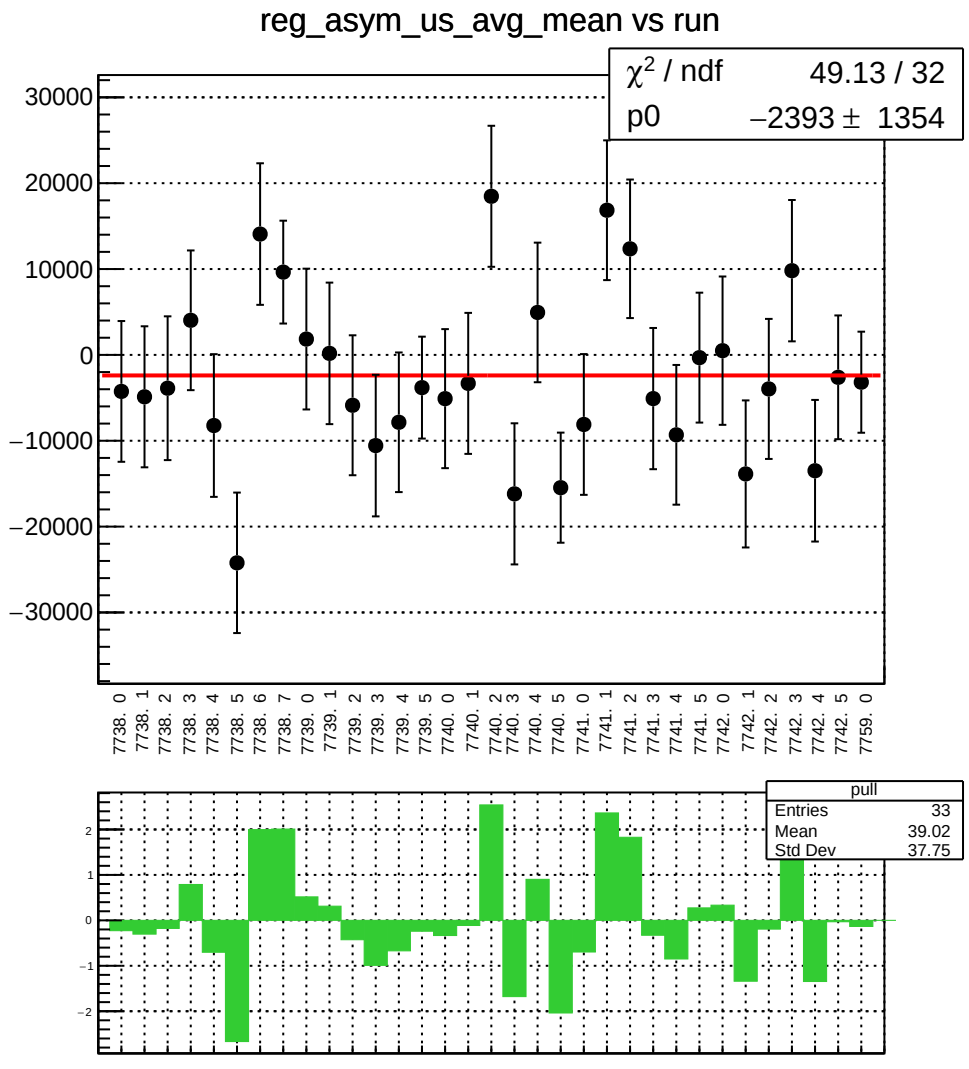
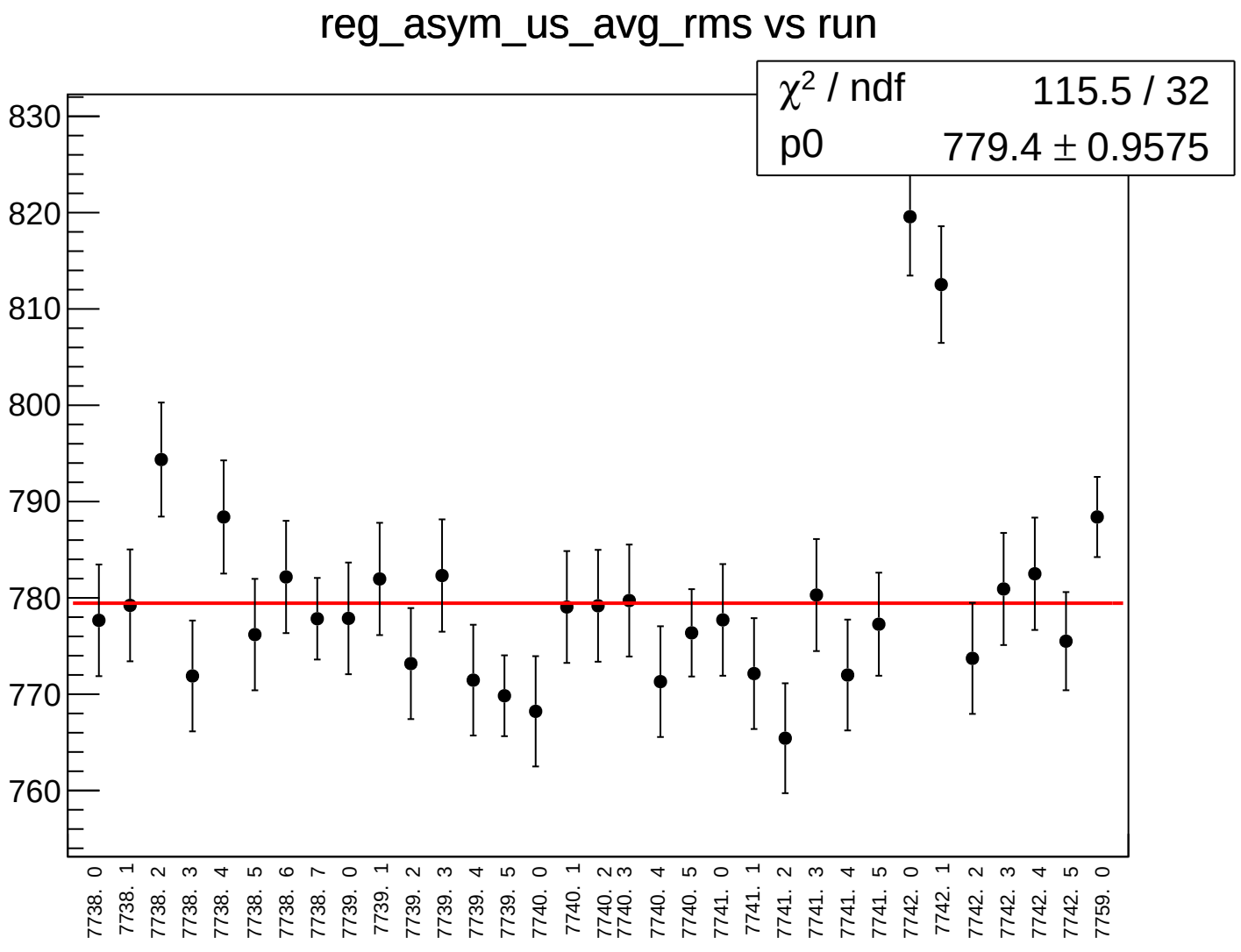

reg_asym_us_avg_mean vs run
χ² / ndf 49.13 / 32
p0 −2393 ± 1354
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.02
Std Dev 37.75
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.004027
Std Dev 1.22
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 115.5 / 32
p0 779.4 ± 0.9575
830
820
810
800
790
780
770
760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
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7741. 0
7741. 1
7741. 2
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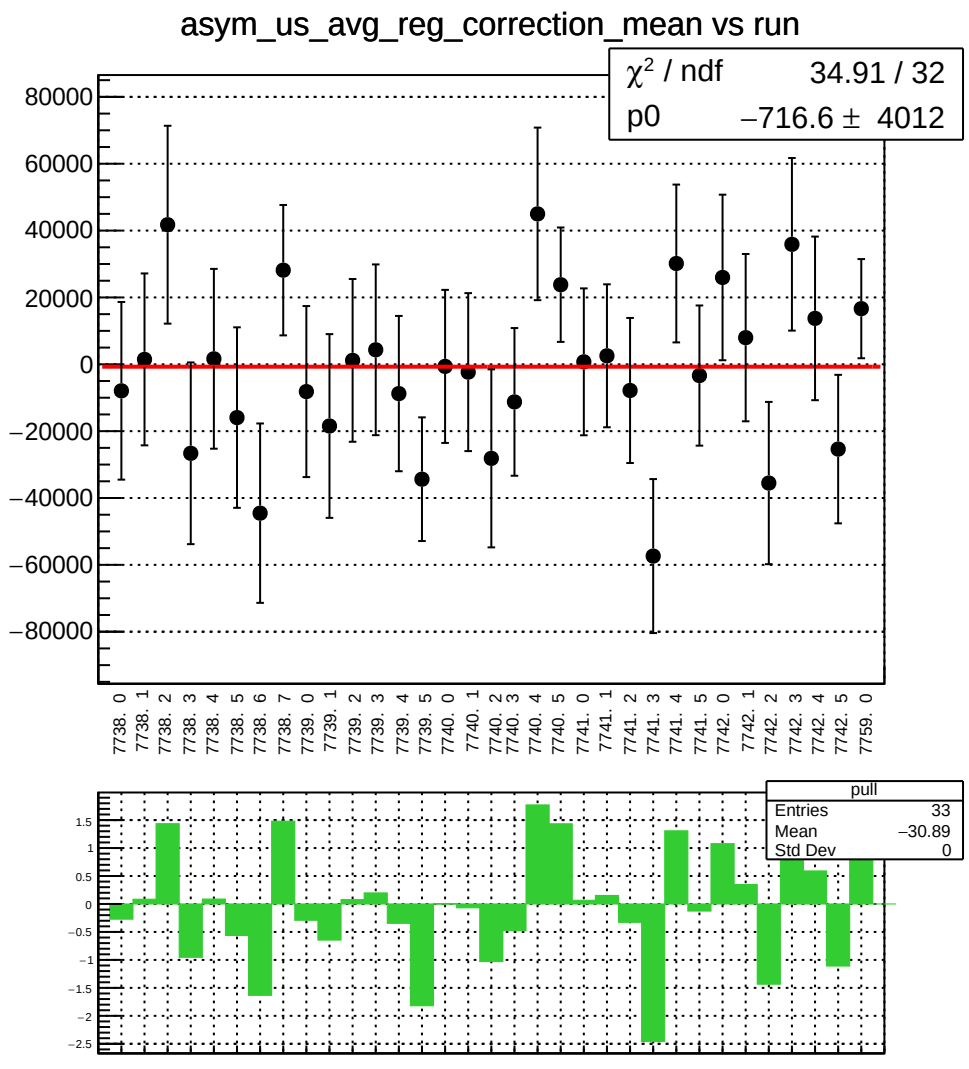
7742. 5
7759. 0


asym_us_avg_reg_correction_mean vs run
χ² / ndf 34.91 / 32
p0 −716.6 ± 4012
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
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7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
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7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.89
Std Dev 0
1.5
1
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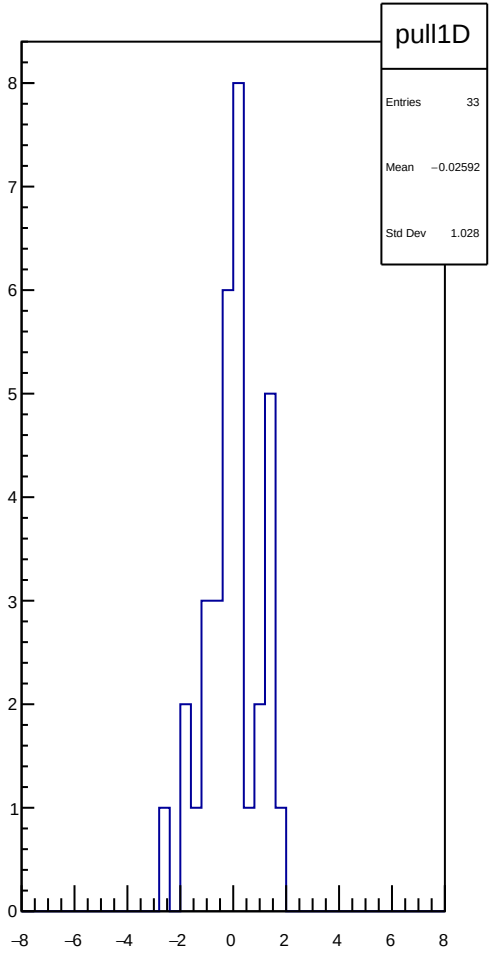
−1.5
−2
−2.5


pull1D
Entries 33
Mean −0.02592
Std Dev 1.028
8
7
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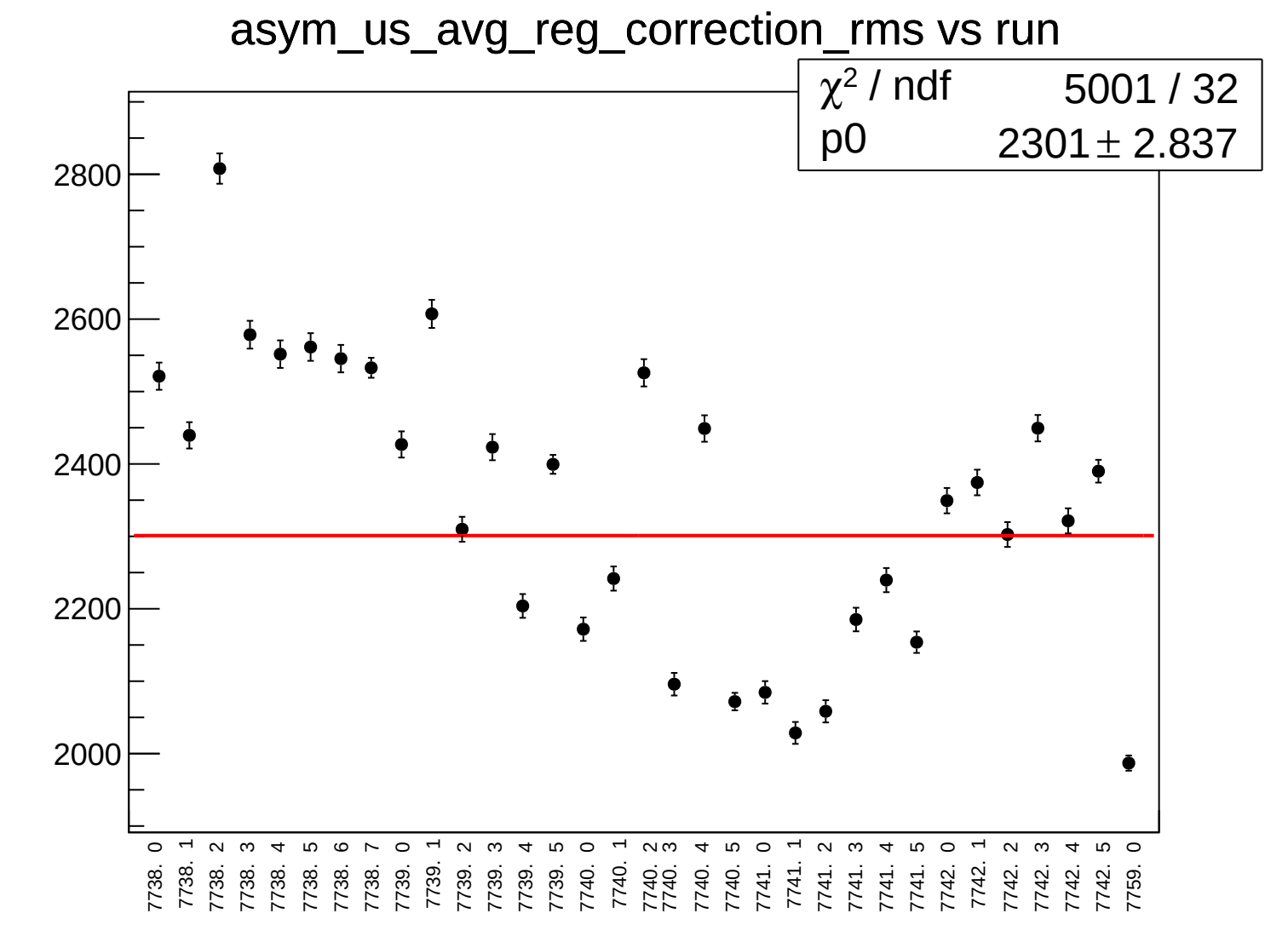
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_reg_correction_rms vs run
χ² / ndf 5001 / 32
p0 2301 ± 2.837
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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7741. 5
7742. 0
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7742. 2
7742. 3
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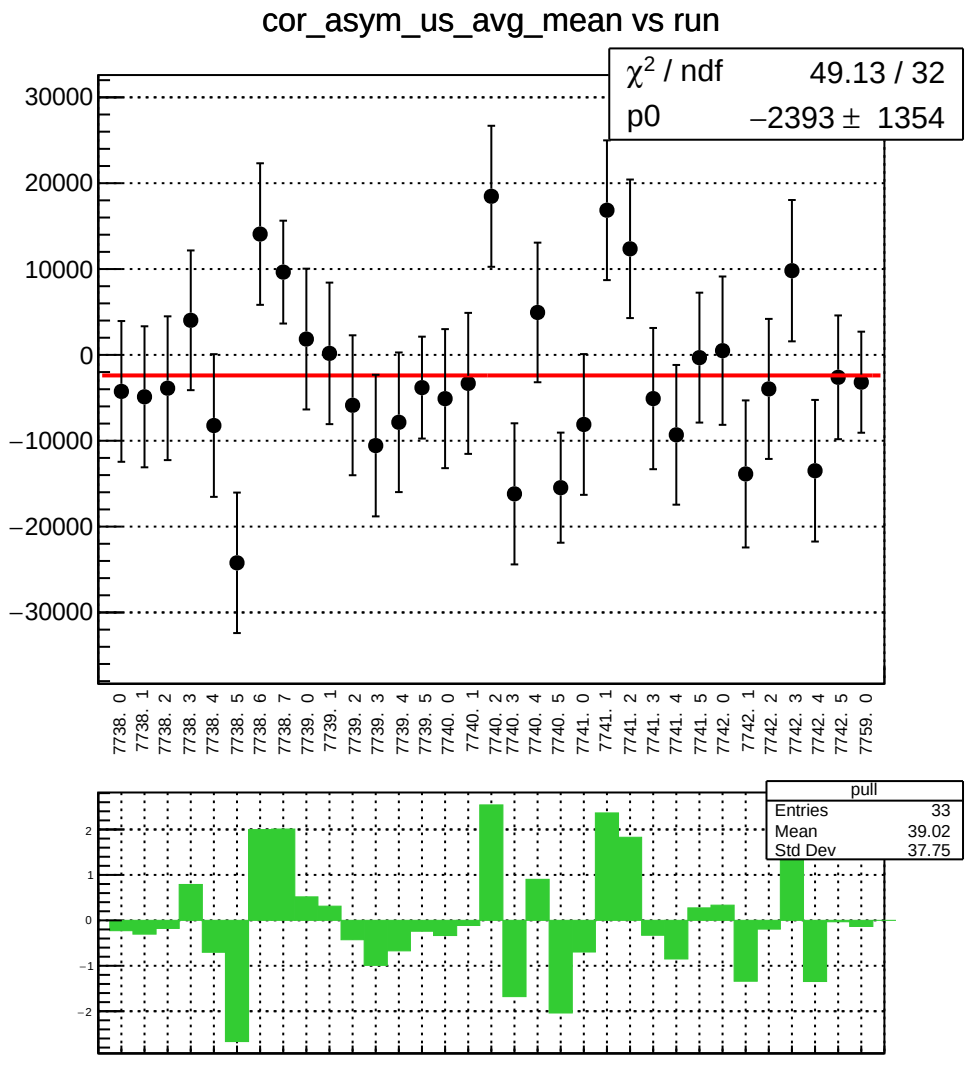
7742. 5
7759. 0


cor_asym_us_avg_mean vs run
χ² / ndf 49.13 / 32
p0 −2393 ± 1354
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.02
Std Dev 37.75
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.004027
Std Dev 1.22
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−4
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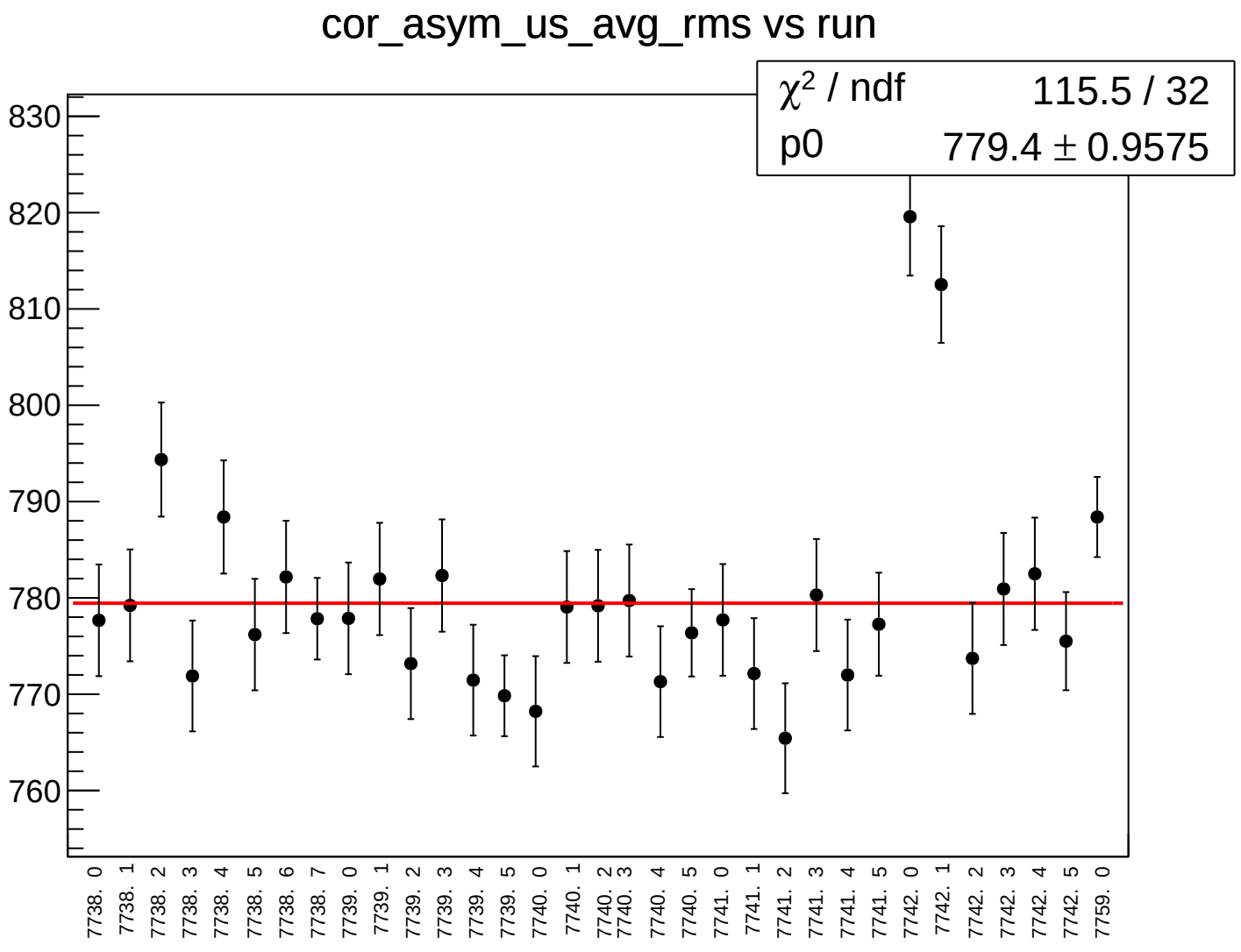
4
6
8


cor_asym_us_avg_rms vs run
χ² / ndf 115.5 / 32
p0 779.4 ± 0.9575
830
820
810
800
790
780
770
760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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7741. 5
7742. 0
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7742. 2
7742. 3
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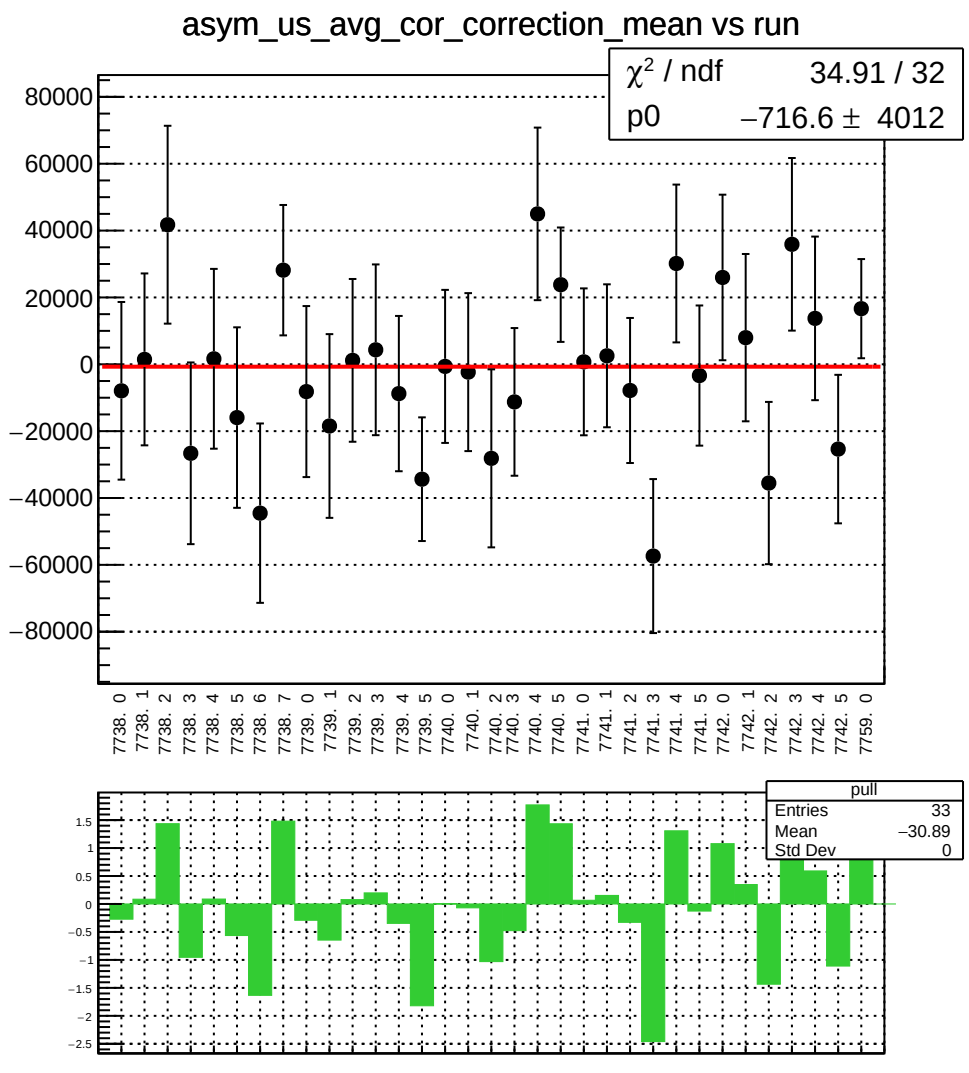
7742. 5
7759. 0


asym_us_avg_cor_correction_mean vs run
χ² / ndf 34.91 / 32
p0 −716.6 ± 4012
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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7739. 2
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7739. 4
7739. 5
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7740. 2
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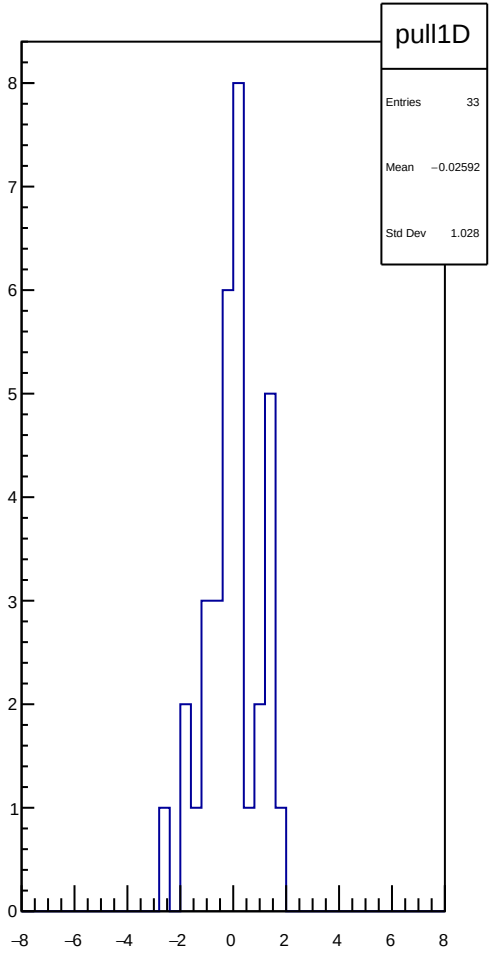
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.89
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean −0.02592
Std Dev 1.028
8
7
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5
4
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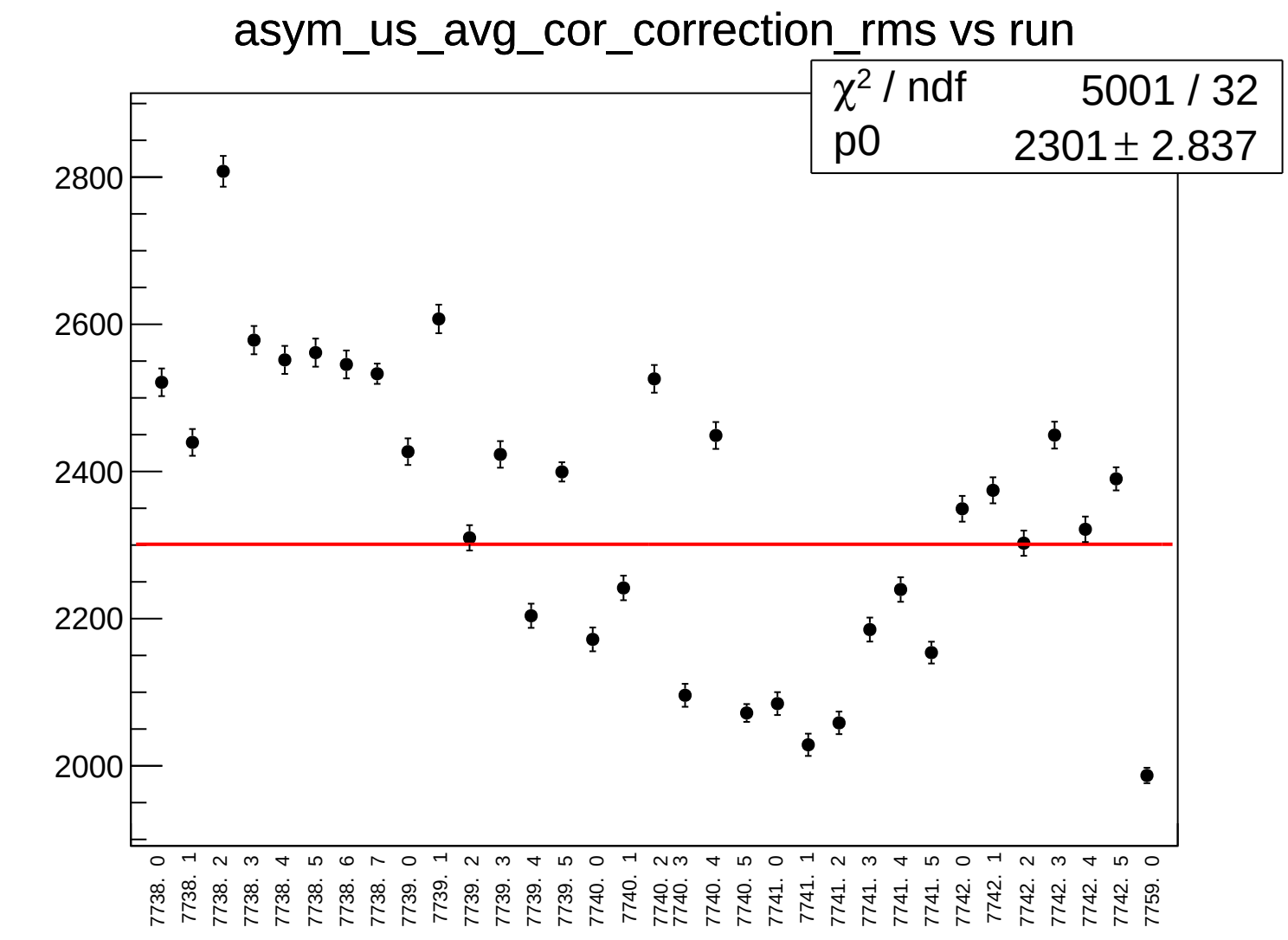
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_cor_correction_rms vs run
χ² / ndf 5001 / 32
p0 2301 ± 2.837
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
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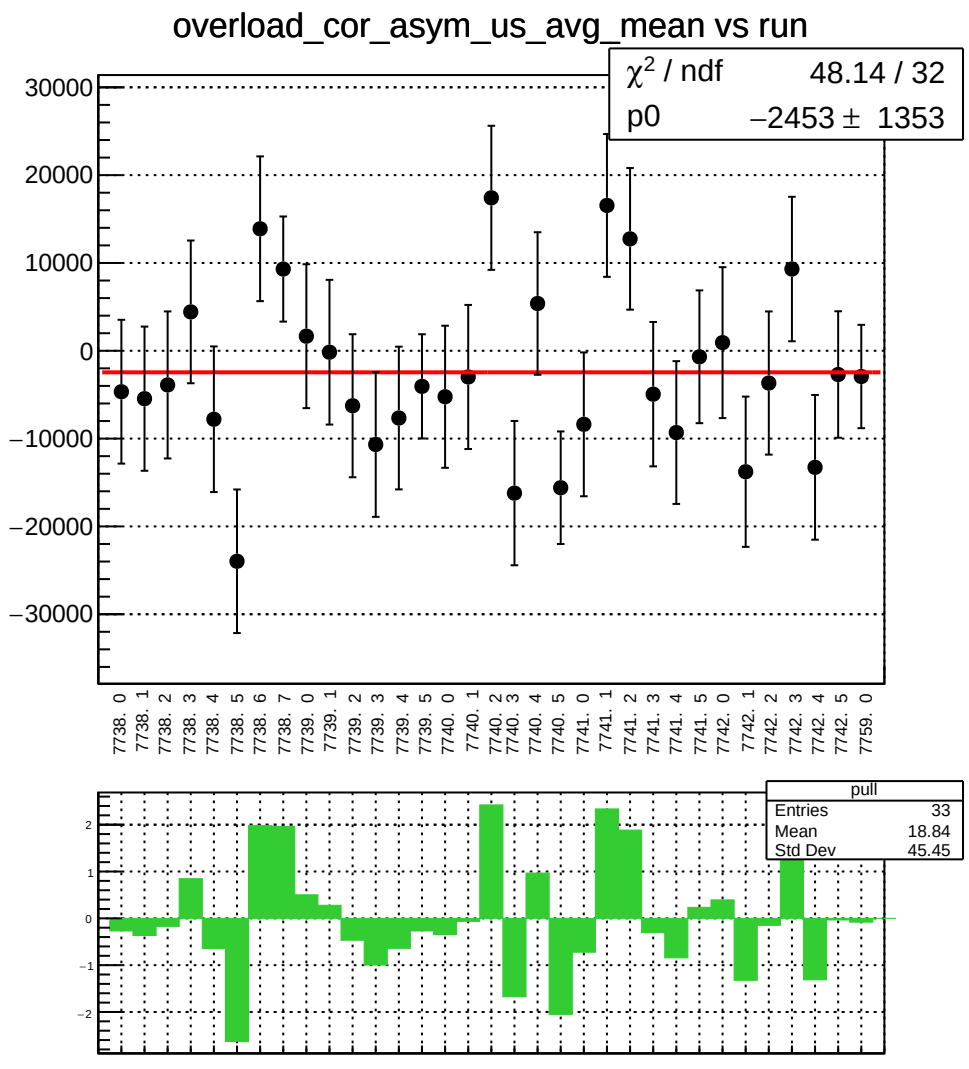
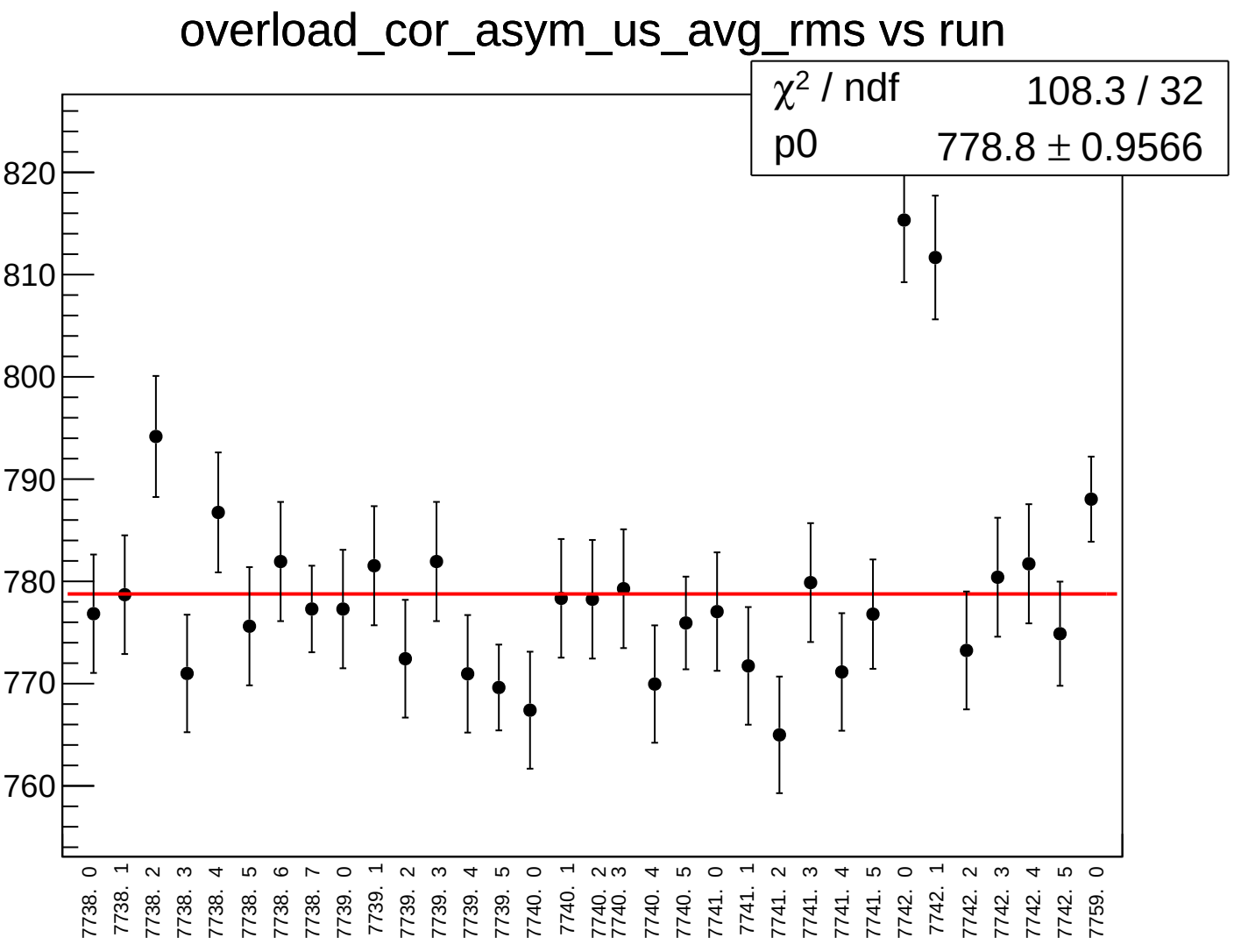
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


overload_cor_asym_us_avg_mean vs run
χ² / ndf 48.14 / 32
p0 −2453 ± 1353
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.84
Std Dev 45.45
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.003562
Std Dev 1.208
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ² / ndf 108.3 / 32
p0 778.8 ± 0.9566
820
810
800
790
780
770
760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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7741. 5
7742. 0
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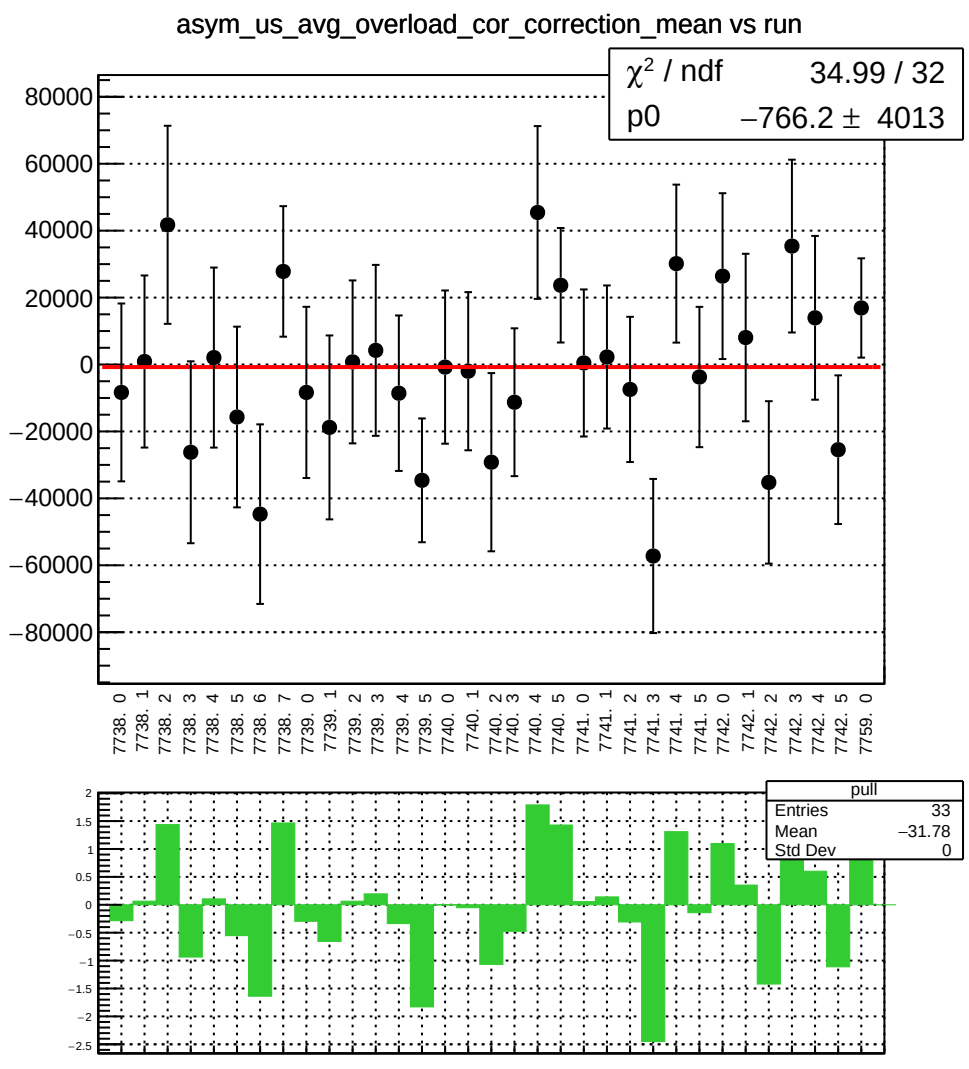
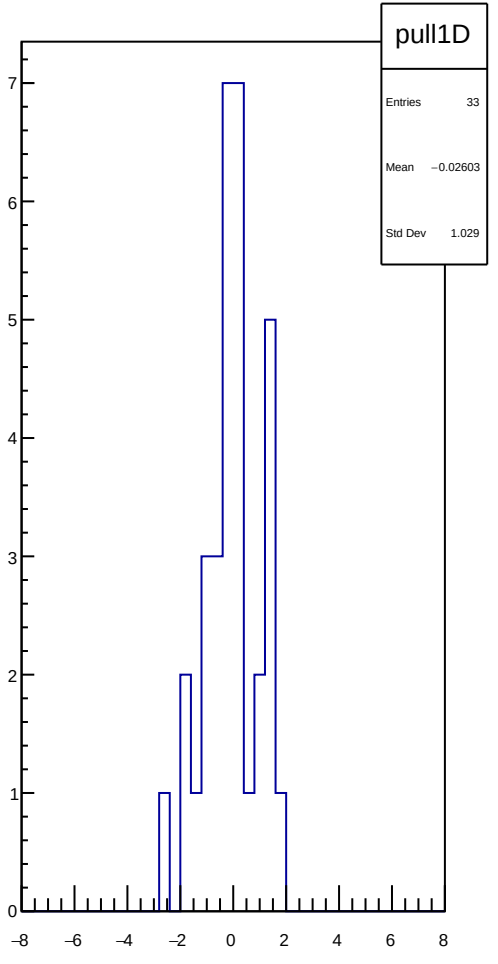
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 34.99 / 32
p0 −766.2 ± 4013
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −31.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean −0.02603
Std Dev 1.029
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6
5
4
3
2
1
0
−8
−6
−4
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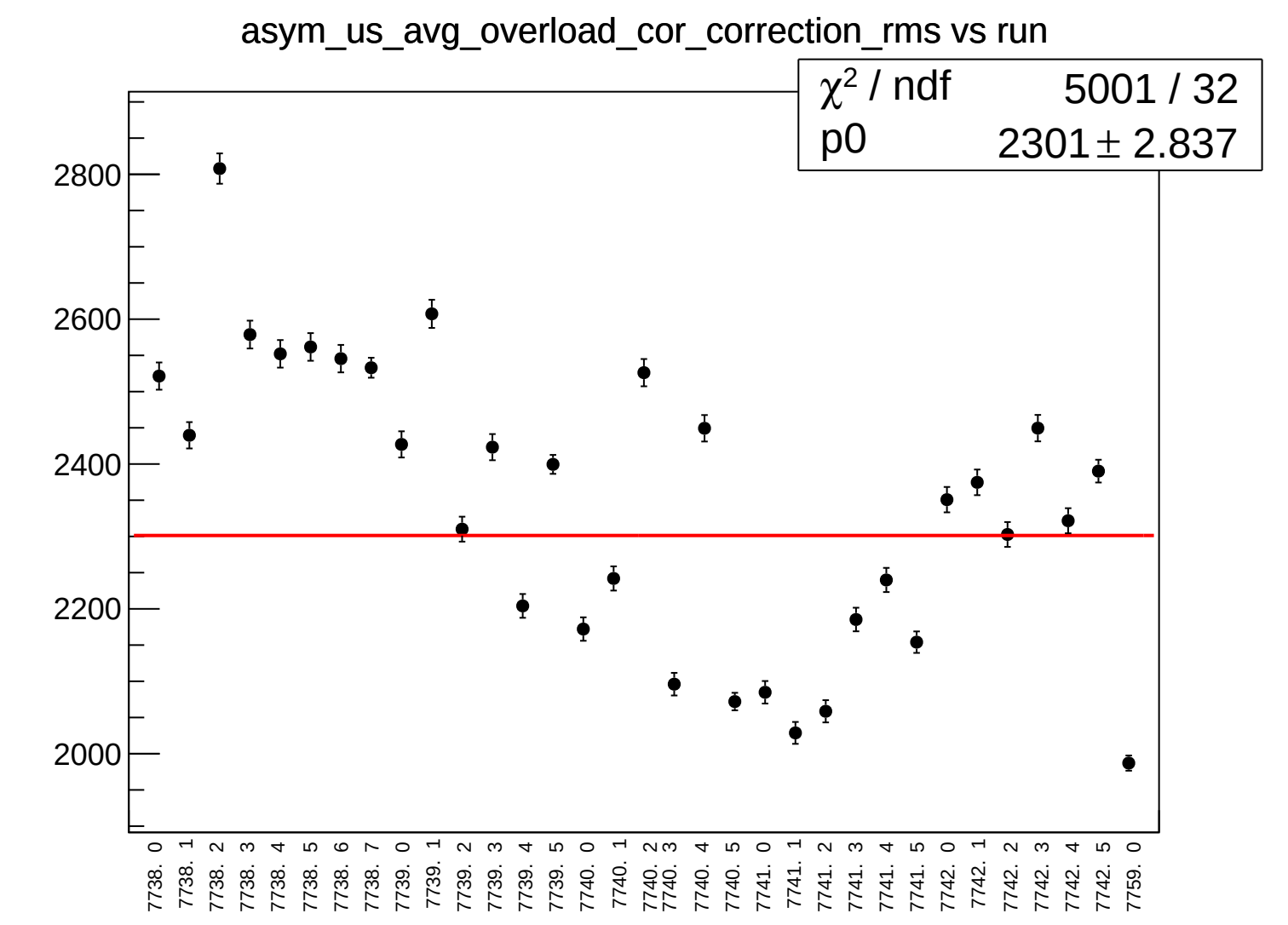
2
4
6
8


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 5001 / 32
p0 2301 ± 2.837
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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7741. 0
7741. 1
7741. 2
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7741. 5
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7742. 2
7742. 3
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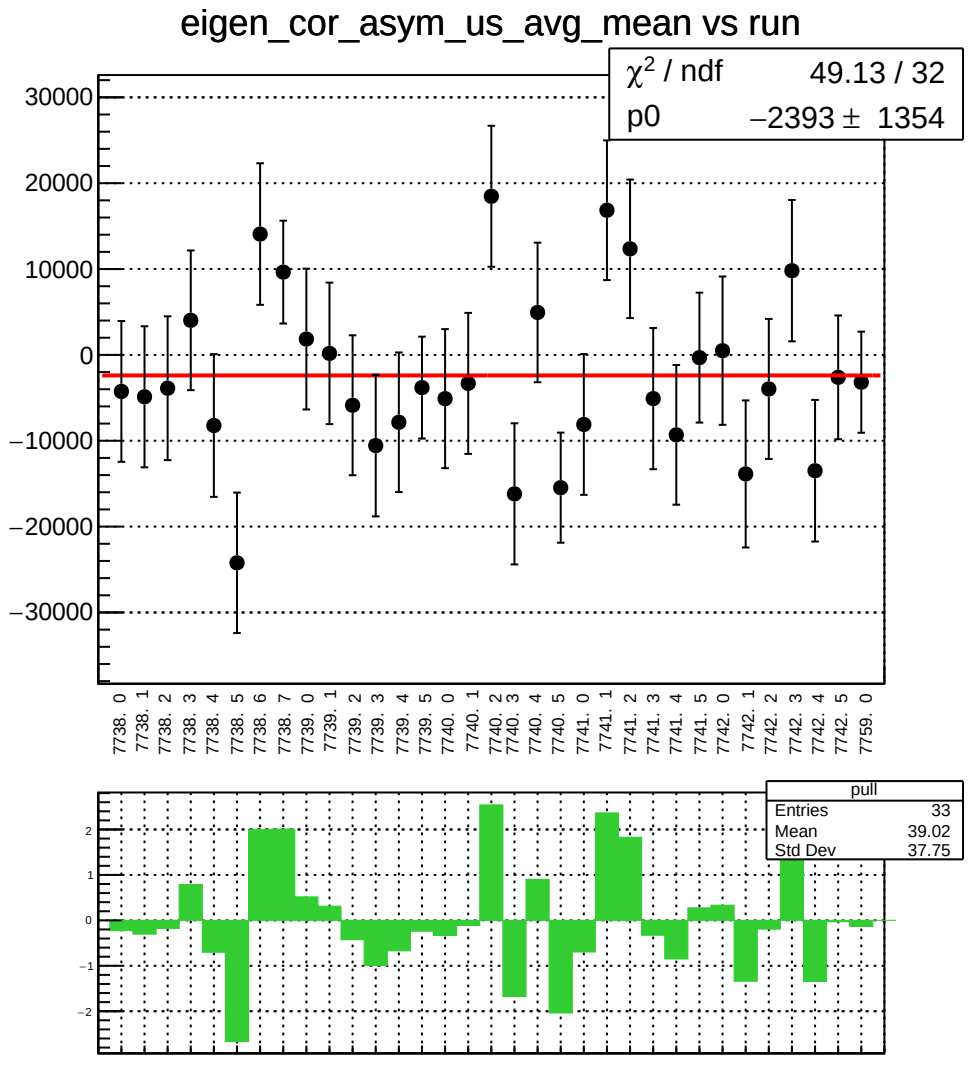
7742. 5
7759. 0


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 49.13 / 32
p0 −2393 ± 1354
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
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7740. 2
7740. 3
7740. 4
7740. 5
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7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
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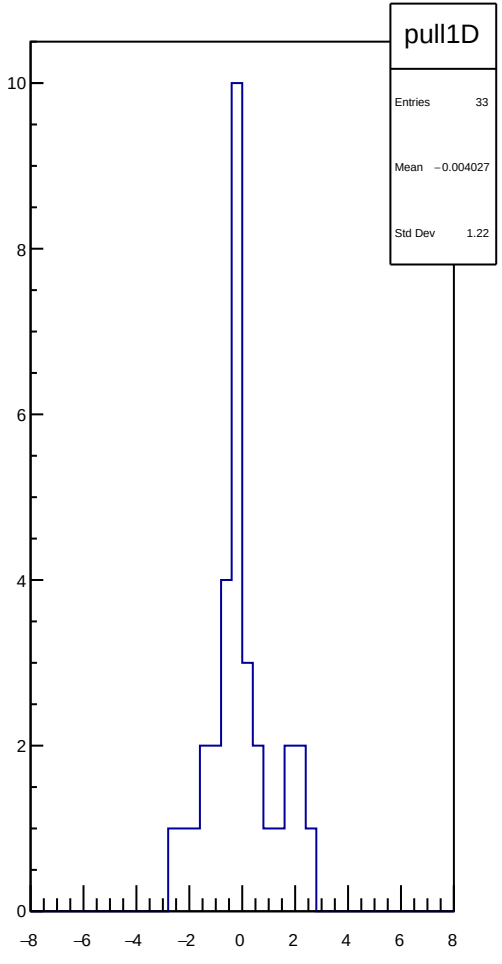
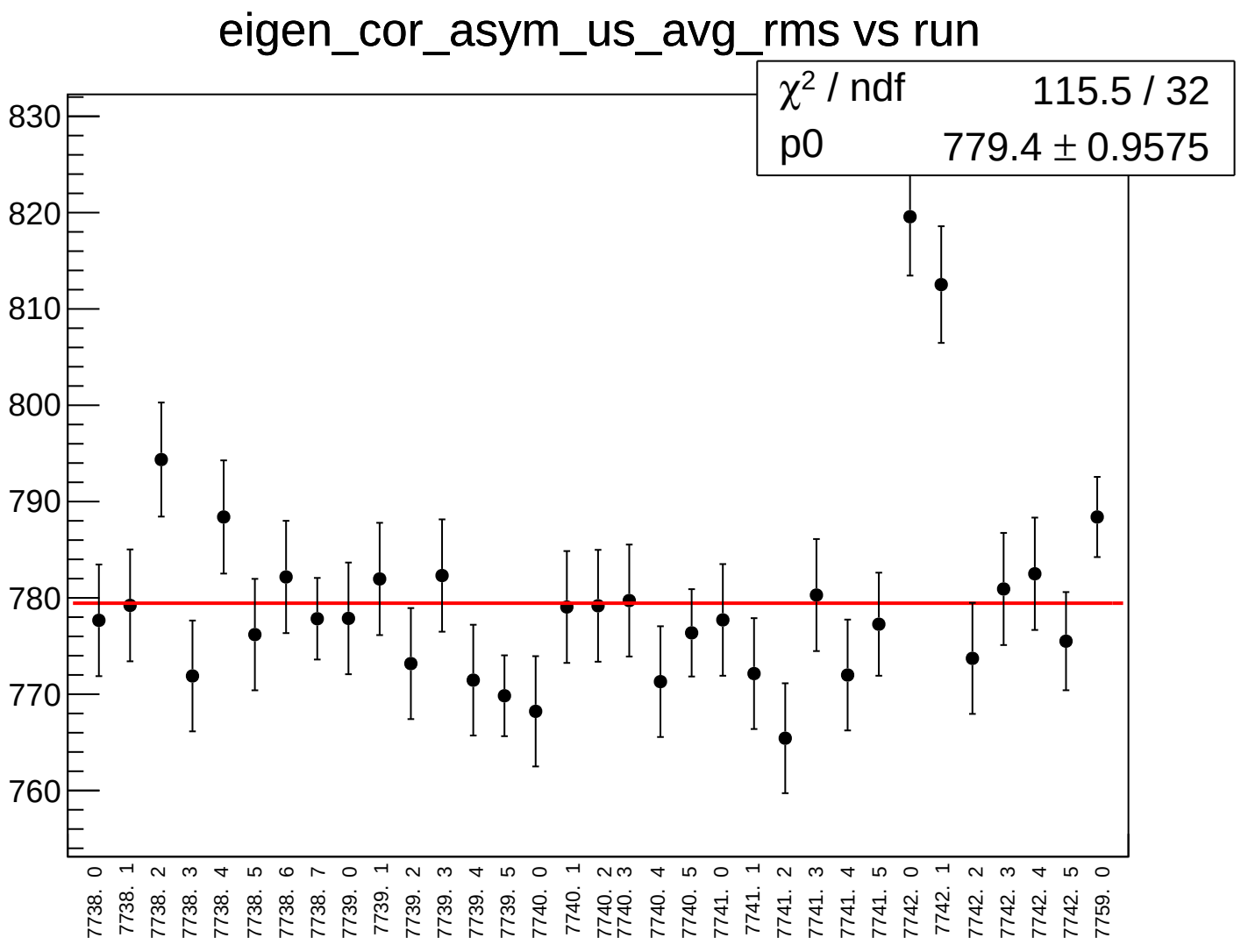
pull
Entries 33
Mean 39.02
Std Dev 37.75
2
1
0
−1
−2


pull1D
Entries 33
Mean −0.004027
Std Dev 1.22
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 115.5 / 32
p0 779.4 ± 0.9575
830
820
810
800
790
780
770
760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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7741. 1
7741. 2
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7742. 0
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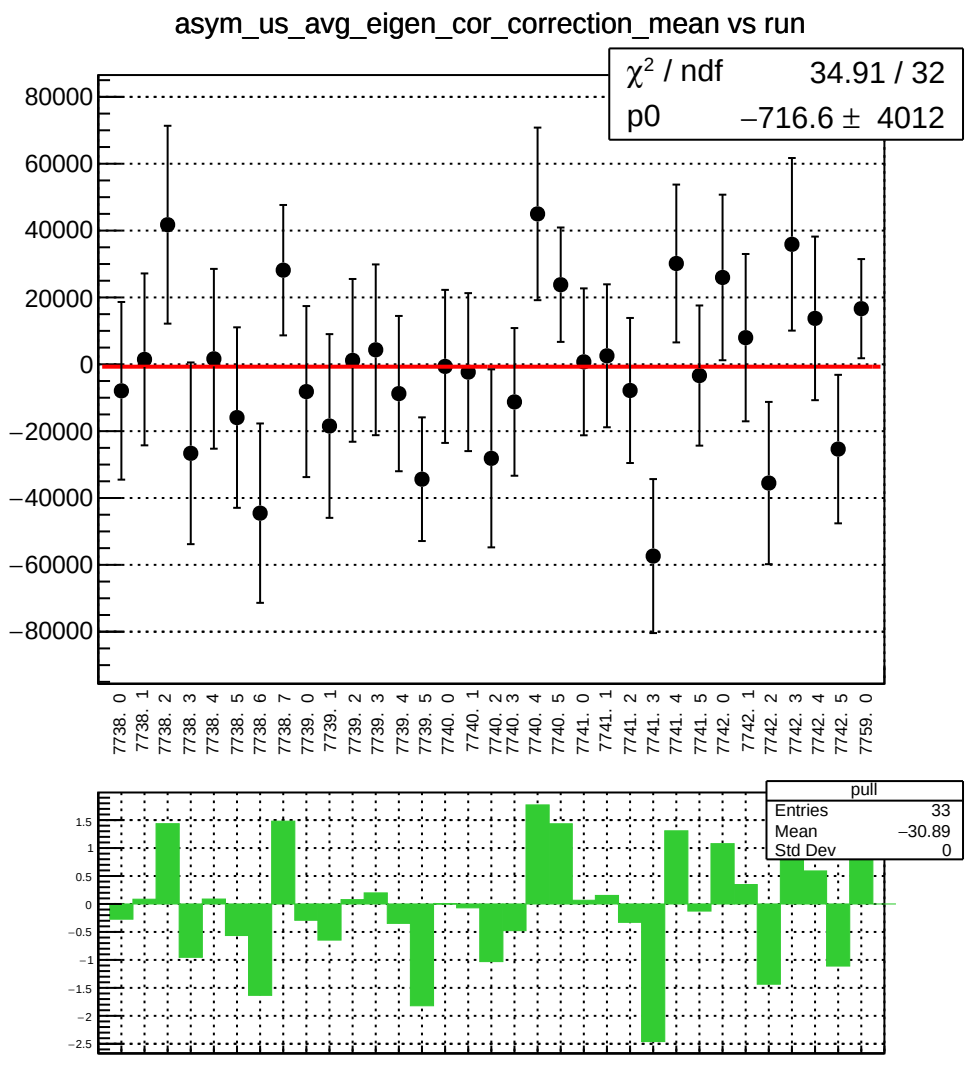
asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 34.91 / 32
p0 −716.6 ± 4012
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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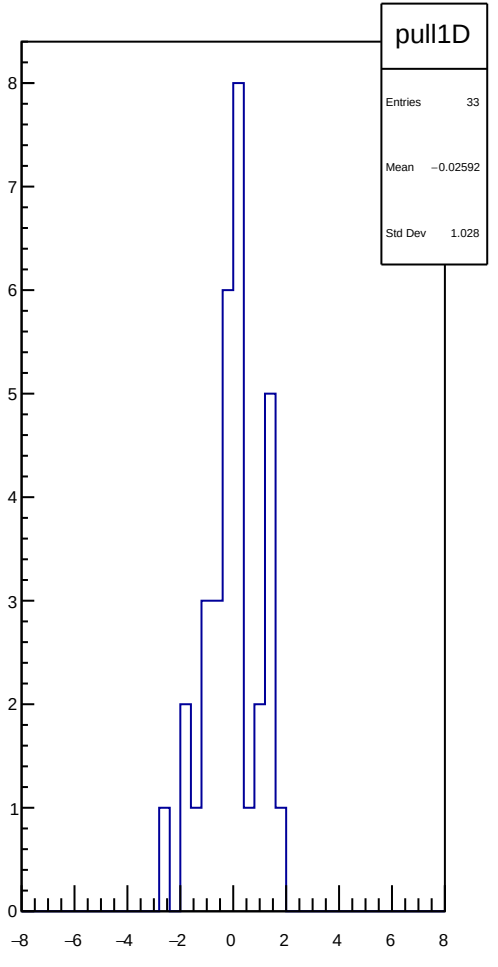
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.89
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean −0.02592
Std Dev 1.028
8
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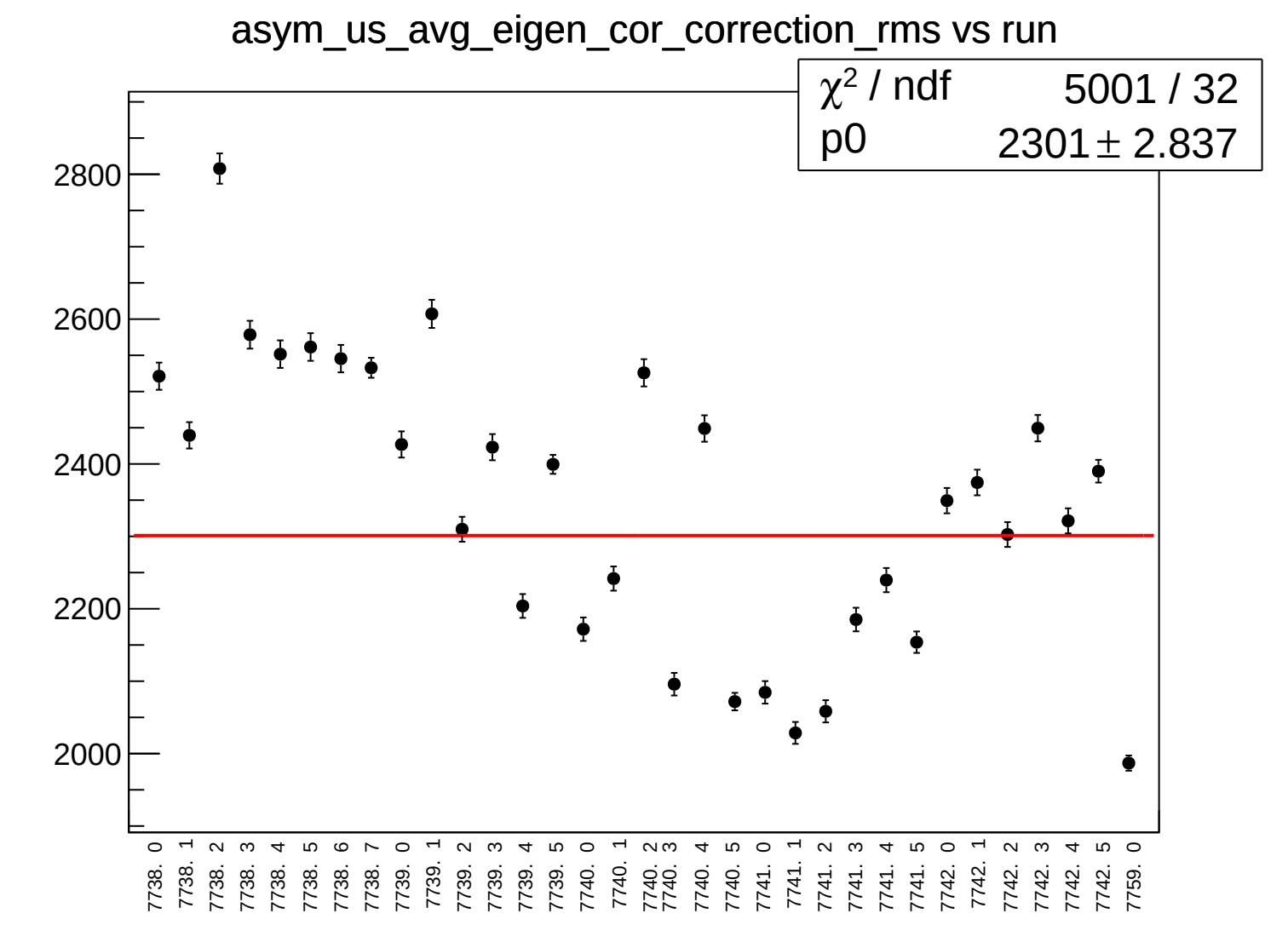
−4
−2
0
2
4
6
8


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 5001 / 32
p0 2301 ± 2.837
2800
2600
2400
2200
2000
17738. 0
17738. 1
17738. 2
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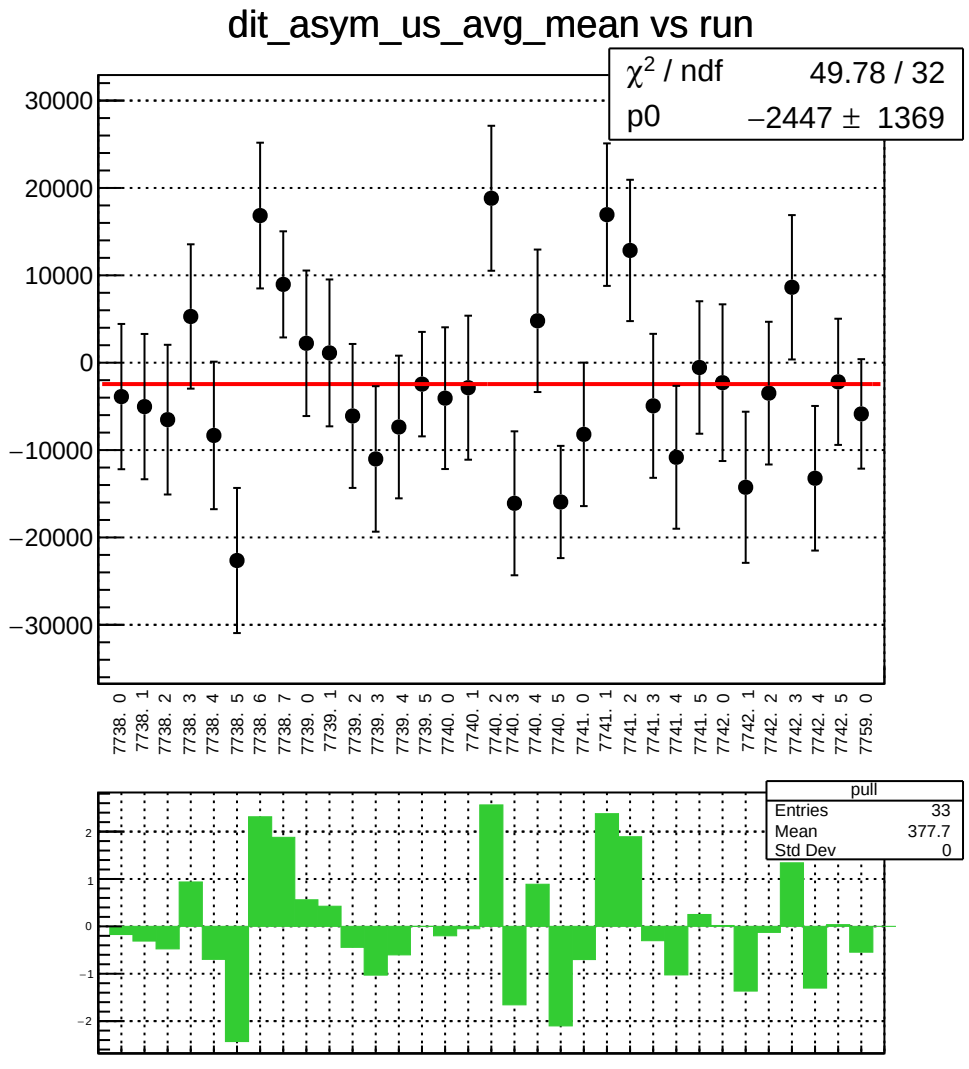
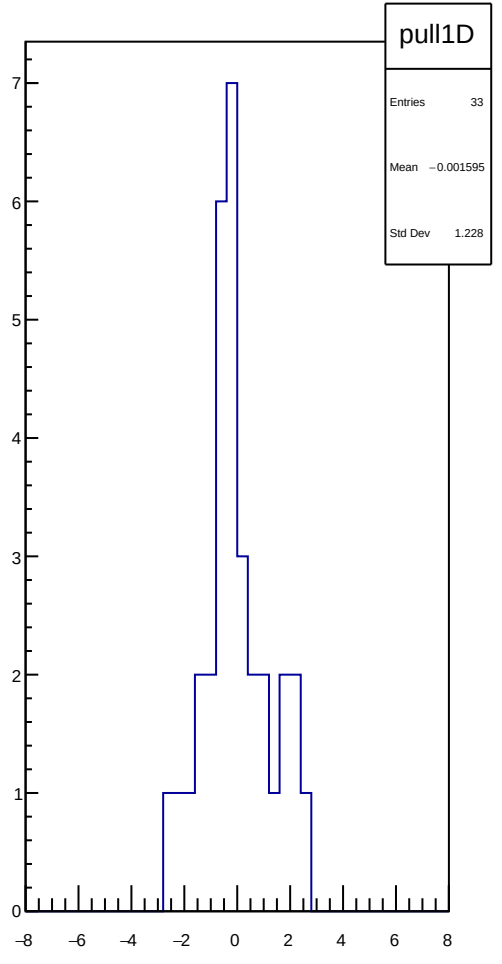
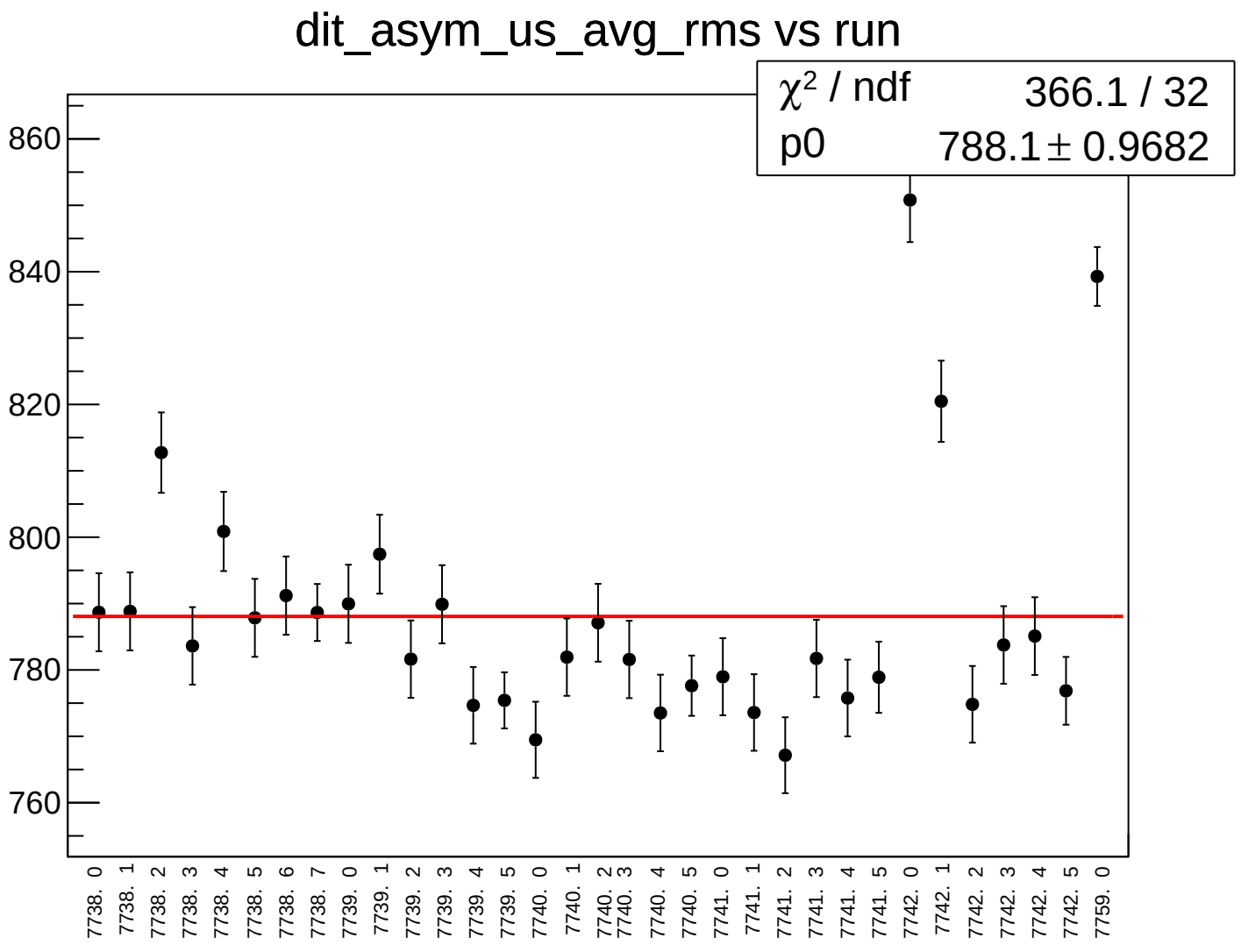
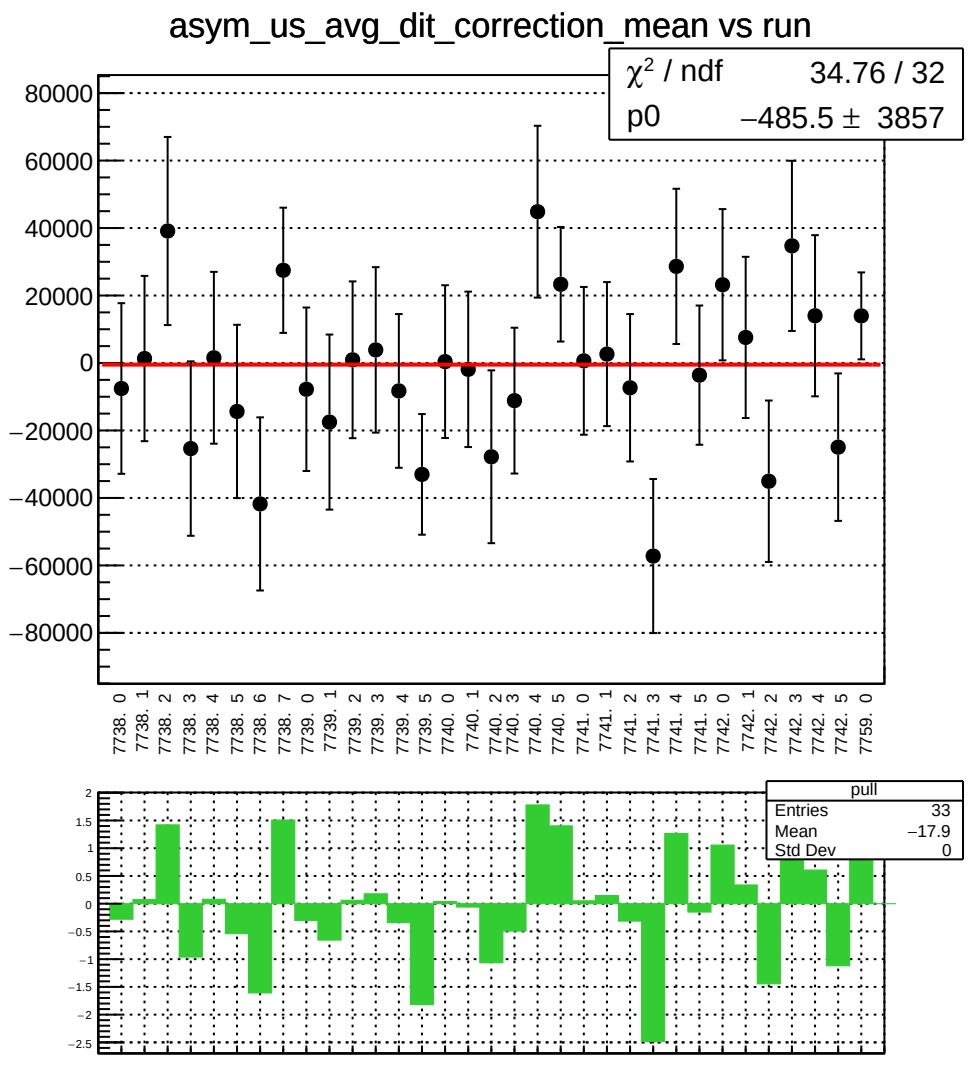
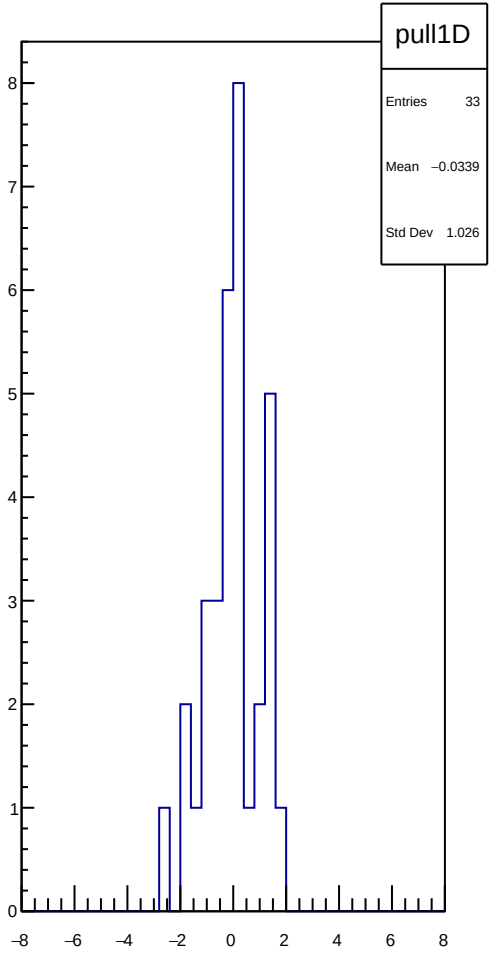
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

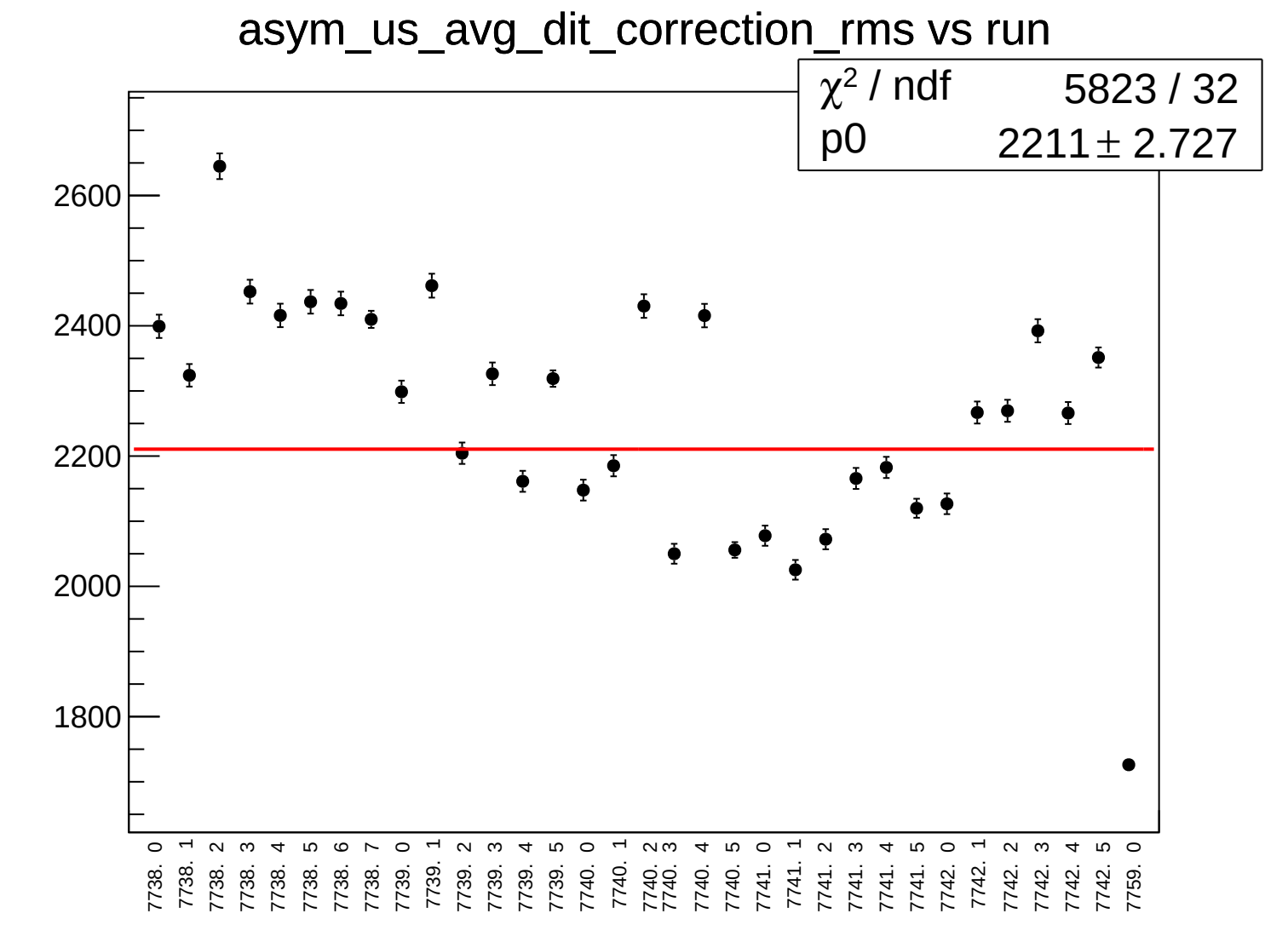

dit_asym_us_avg_mean vs run
χ² / ndf 49.78 / 32
p0 −2447 ± 1369
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 377.7
Std Dev 0
2
1
0
−1
−2

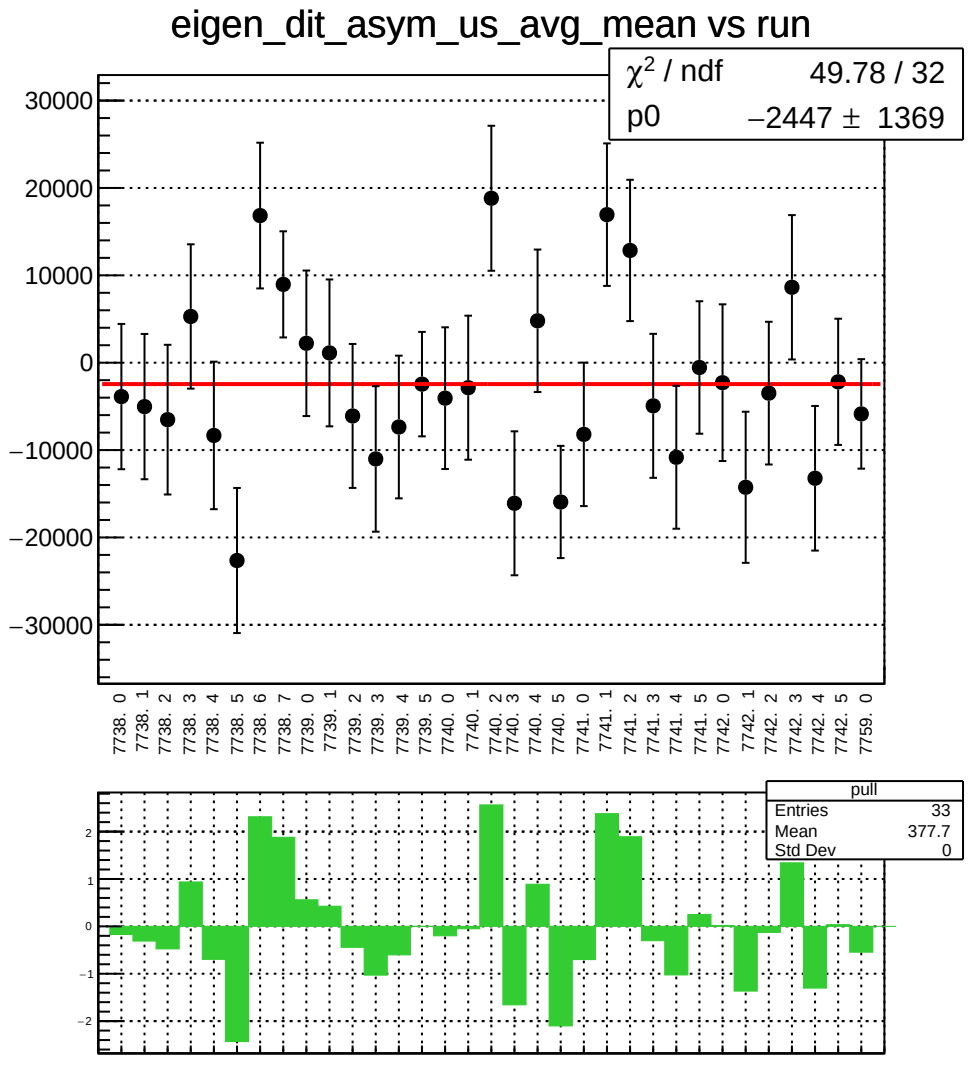

pull1D
Entries 33
Mean −0.001595
Std Dev 1.228
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

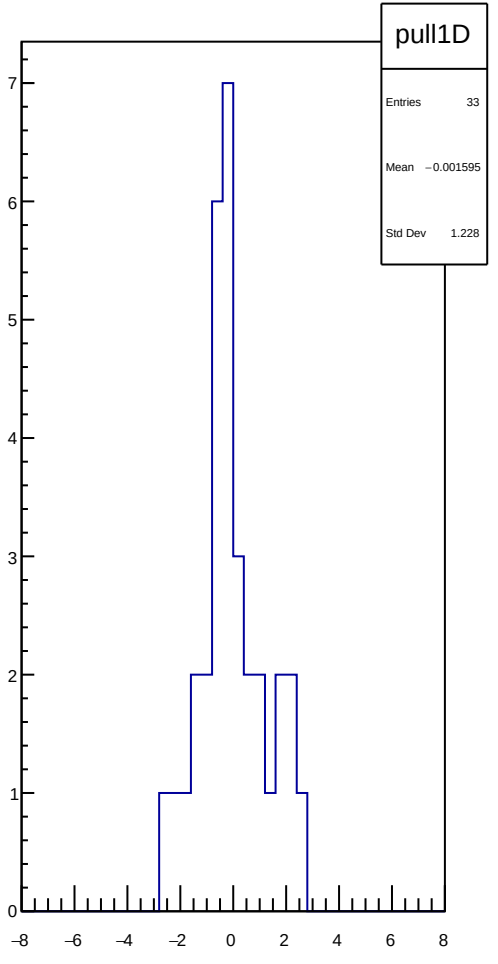

dit_asym_us_avg_rms vs run
χ² / ndf 366.1 / 32
p0 788.1 ± 0.9682
860
840
820
800
780
760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

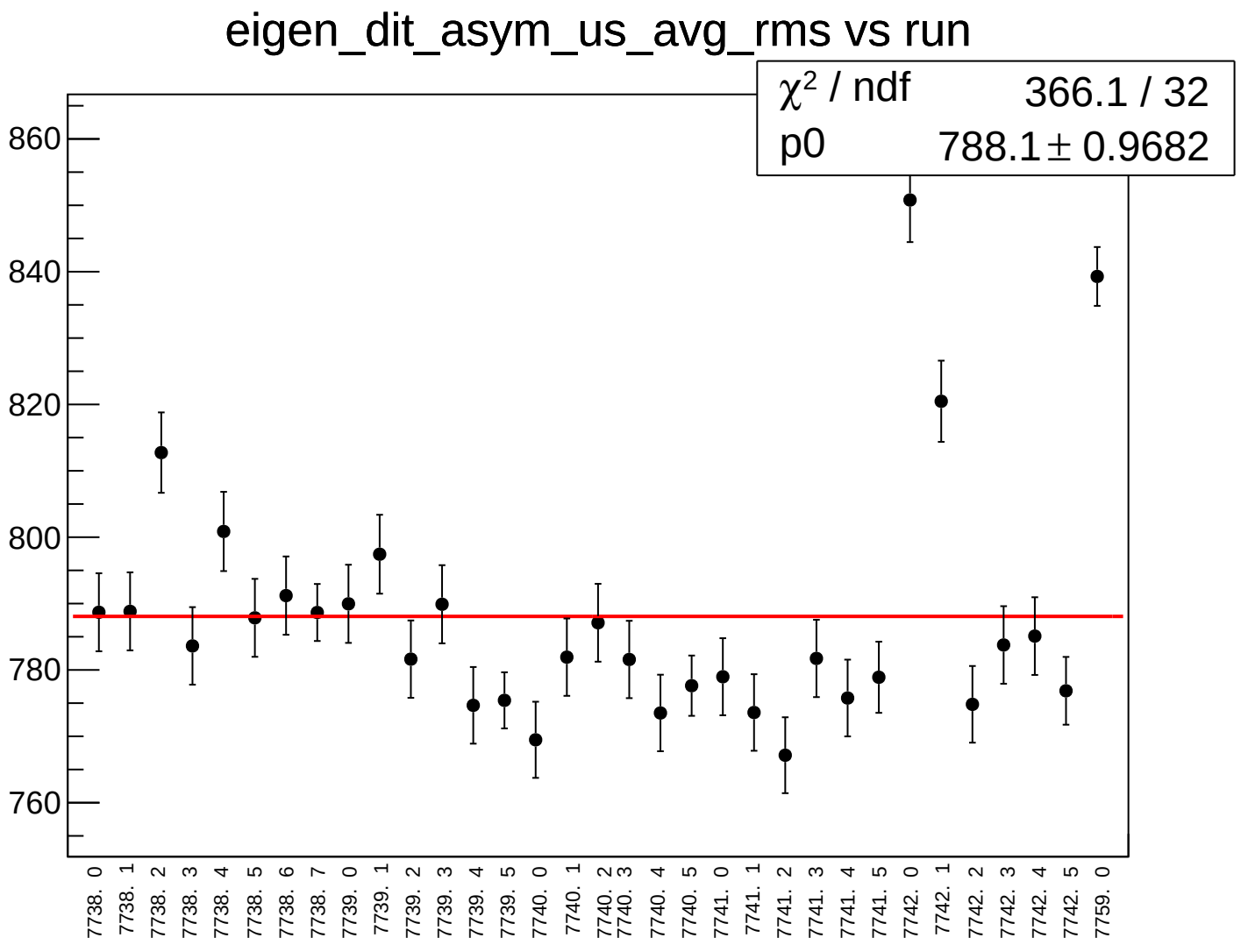

asym_us_avg_dit_correction_mean vs run
χ² / ndf 34.76 / 32
p0 −485.5 ± 3857
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −17.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

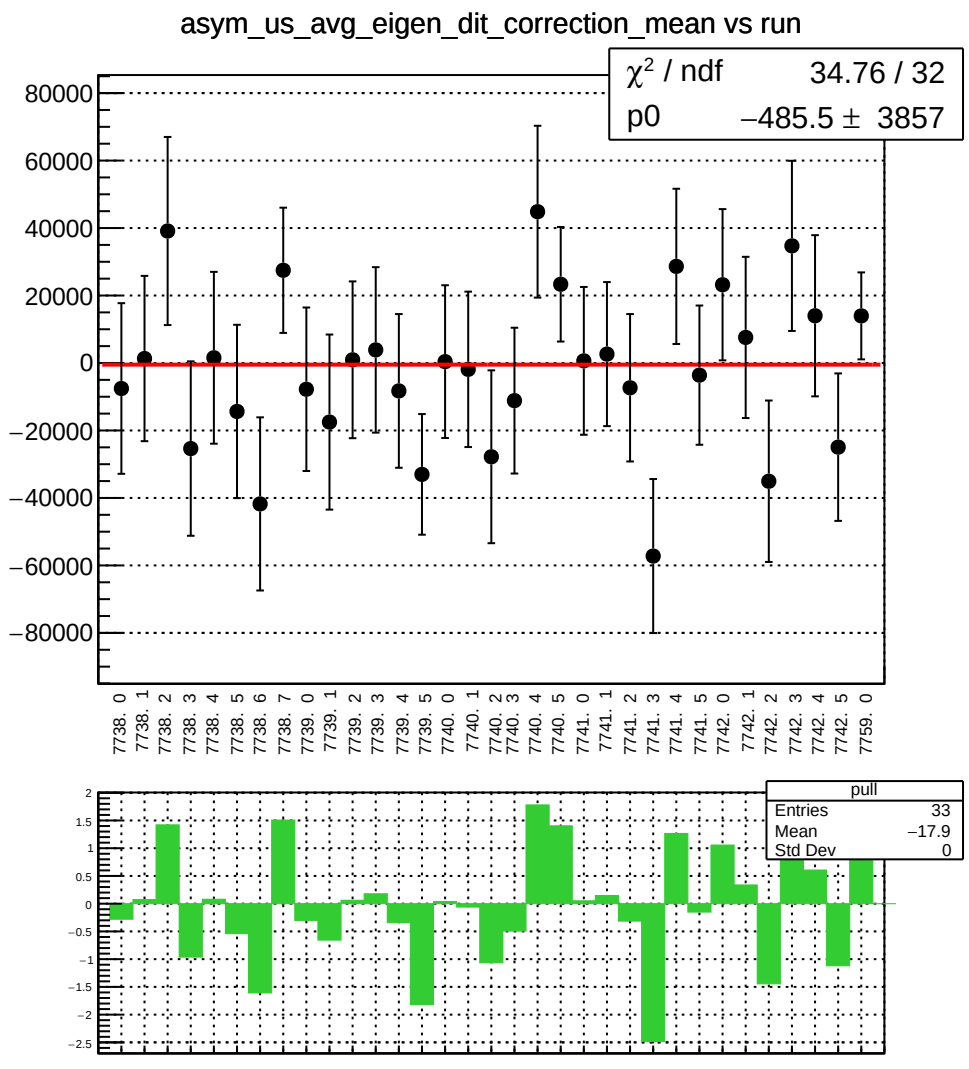

pull1D
Entries 33
Mean −0.0339
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

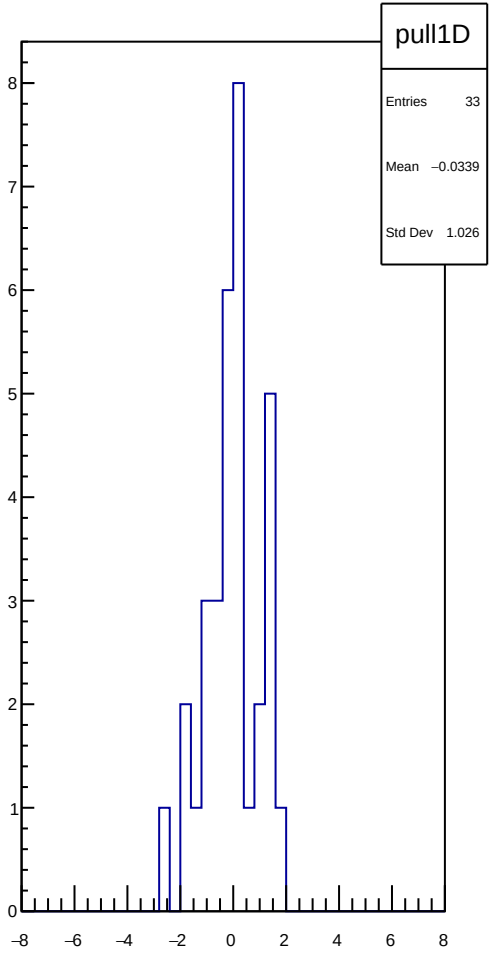

asym_us_avg_dit_correction_rms vs run
χ² / ndf 5823 / 32
p0 2211 ± 2.727
2600
2400
2200
2000
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

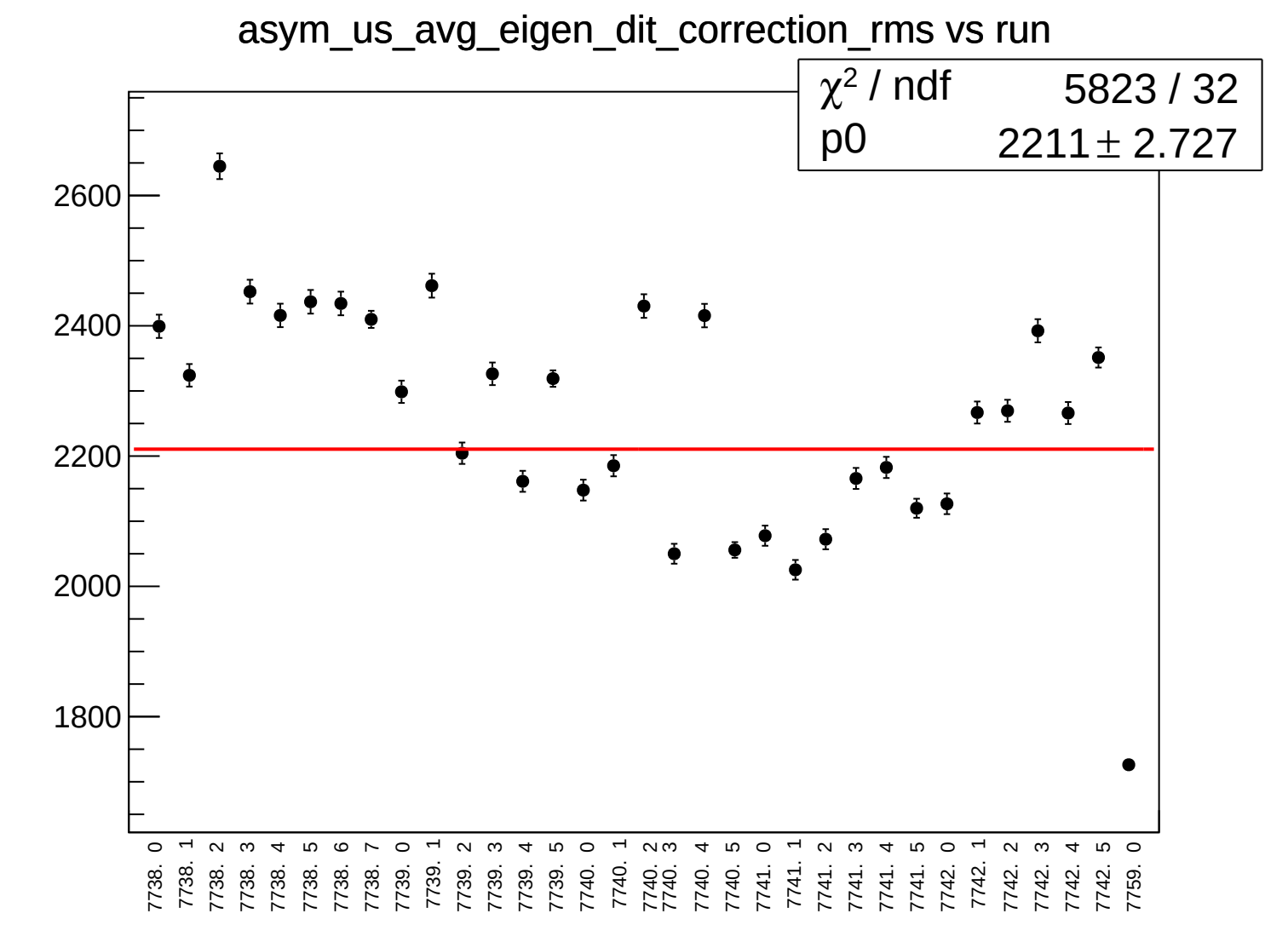

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 49.78 / 32
p0 −2447 ± 1369
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 377.7
Std Dev 0
2
1
0
−1
−2

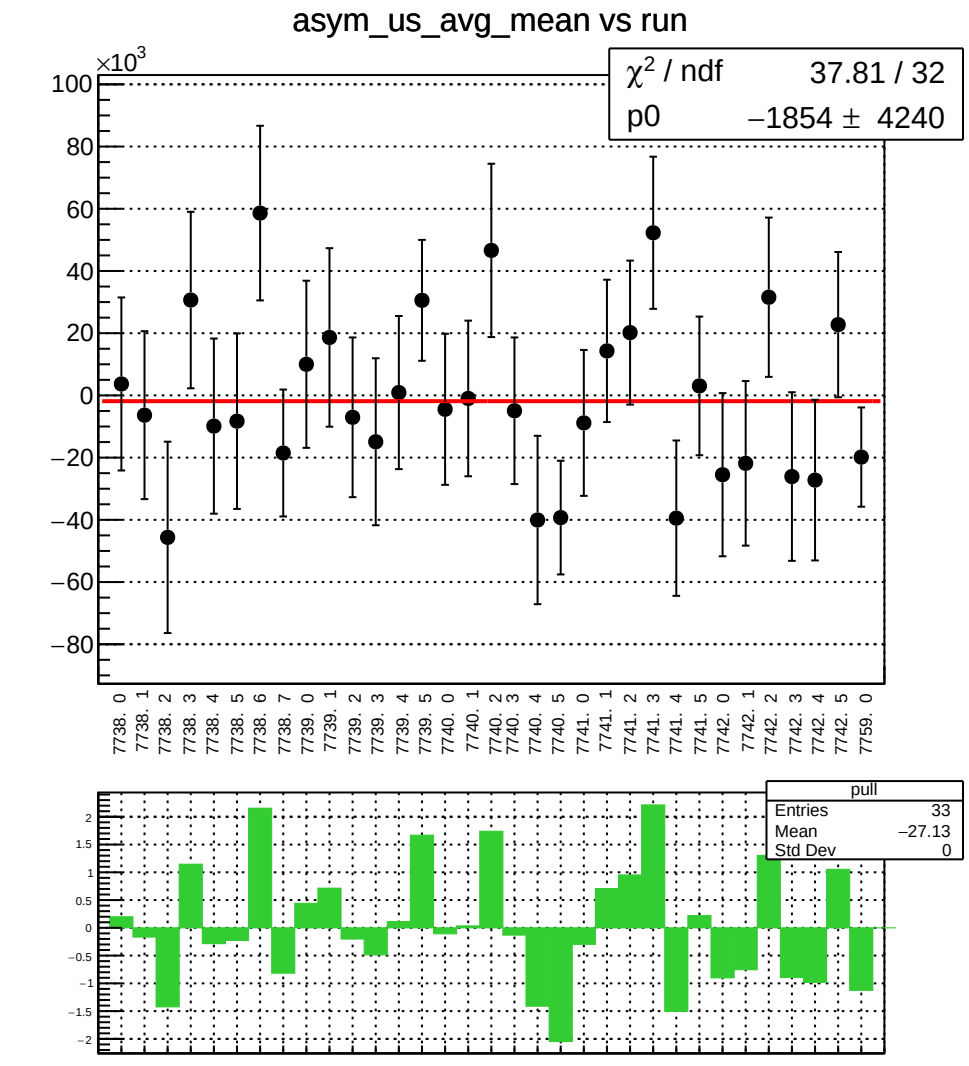

pull1D
Entries 33
Mean −0.001595
Std Dev 1.228
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

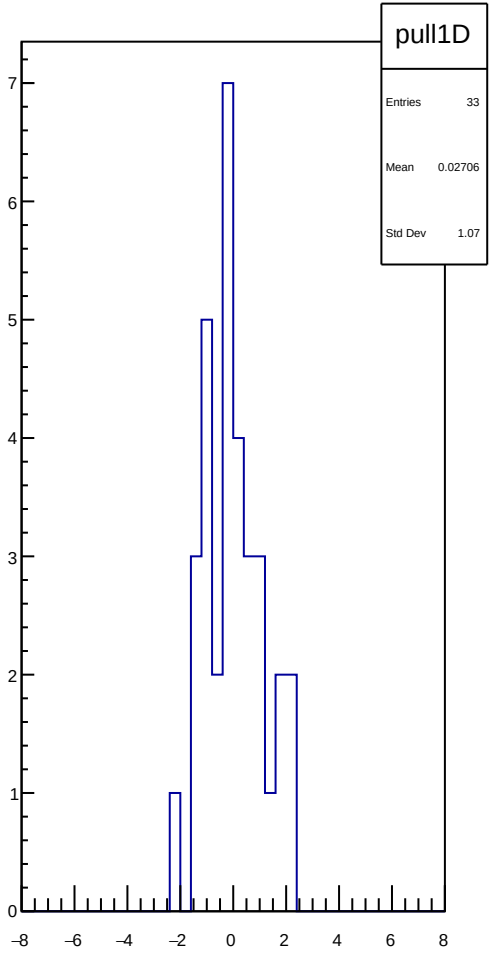

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 366.1 / 32
p0 788.1 ± 0.9682
860
840
820
800
780
760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

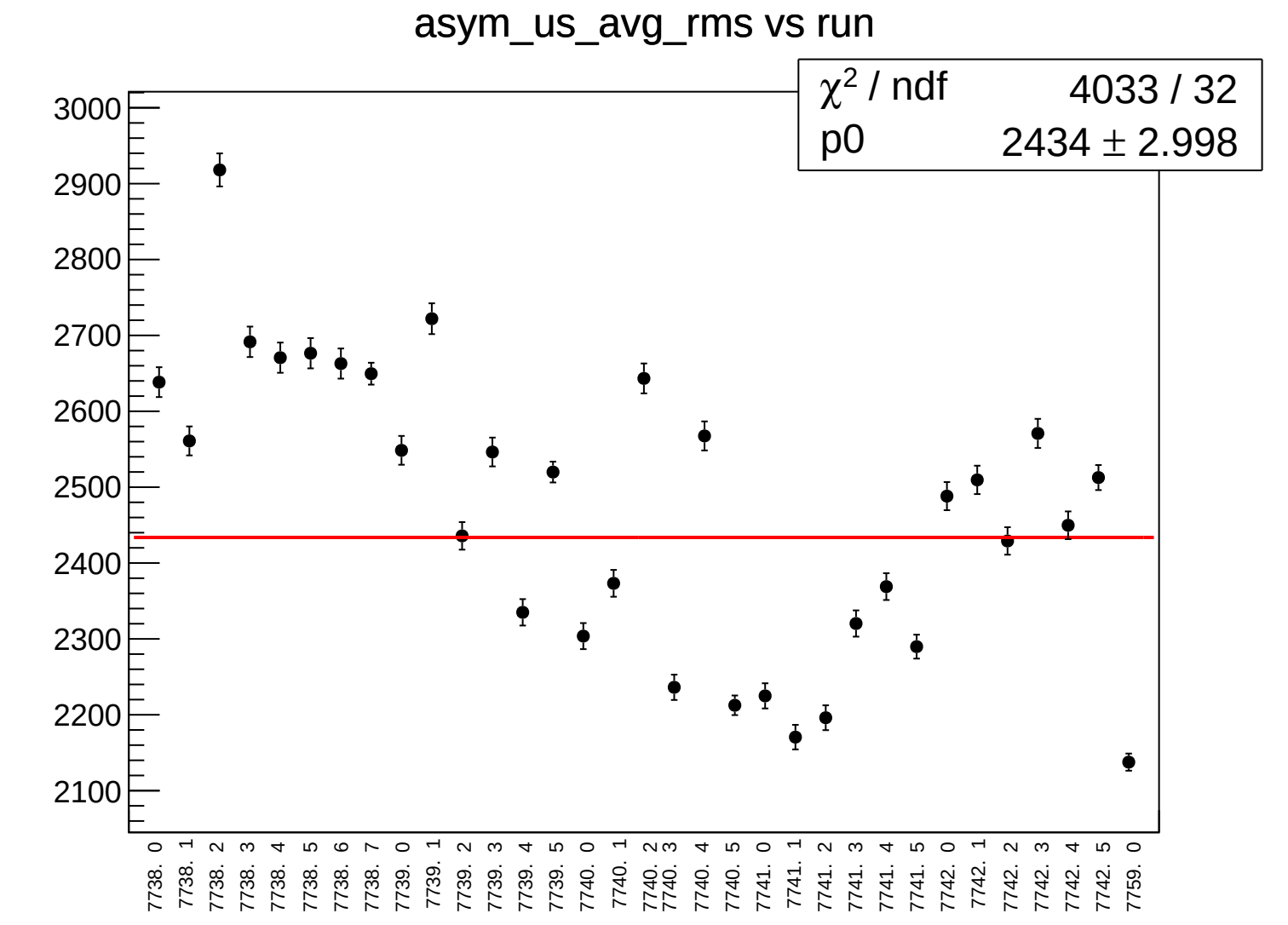

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 34.76 / 32
p0 −485.5 ± 3857
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −17.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

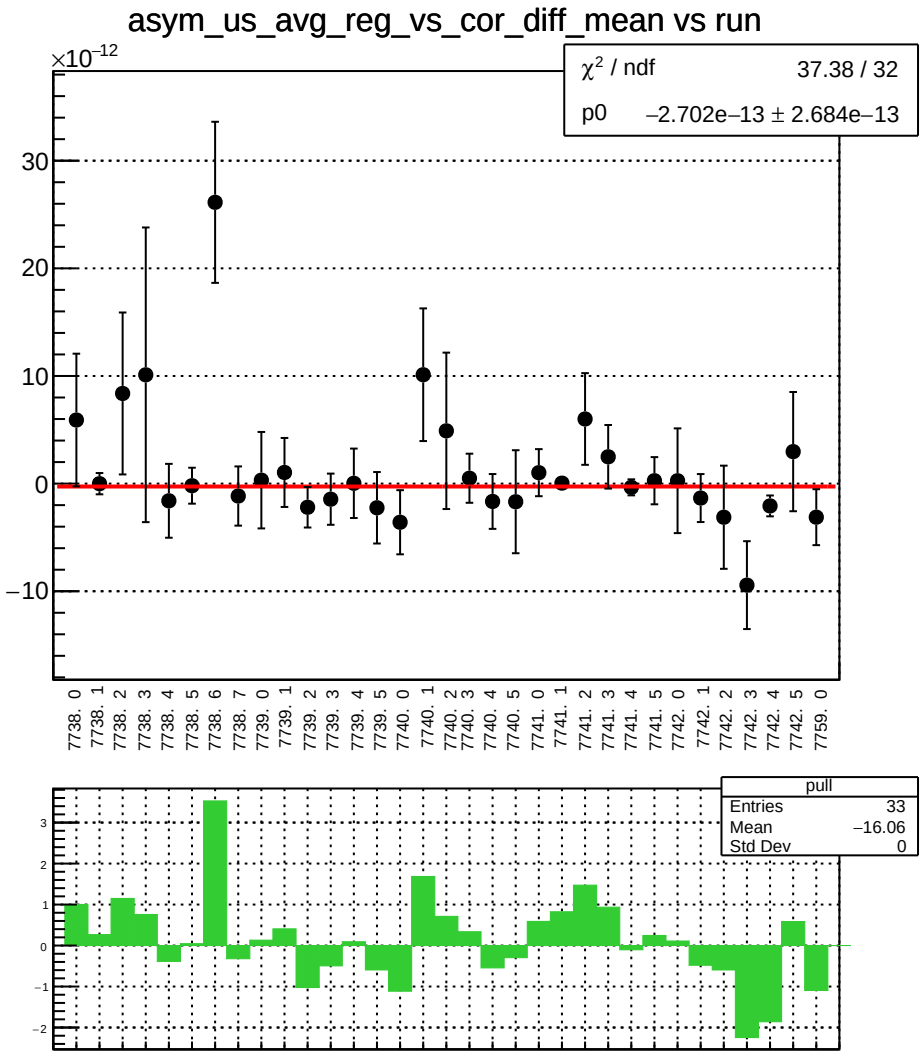

pull1D
Entries 33
Mean −0.0339
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

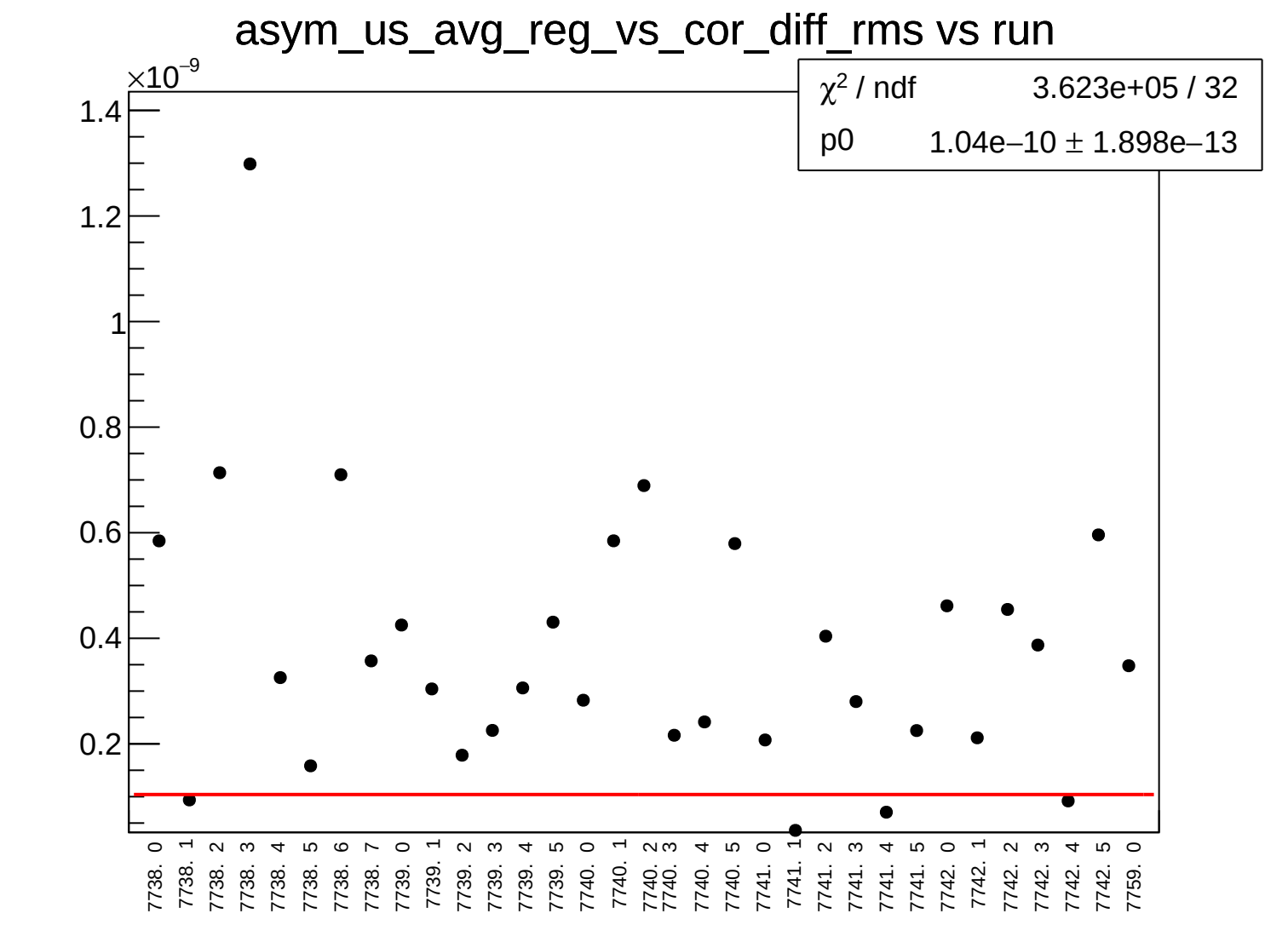

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 5823 / 32
p0 2211 ± 2.727
2600
2400
2200
2000
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

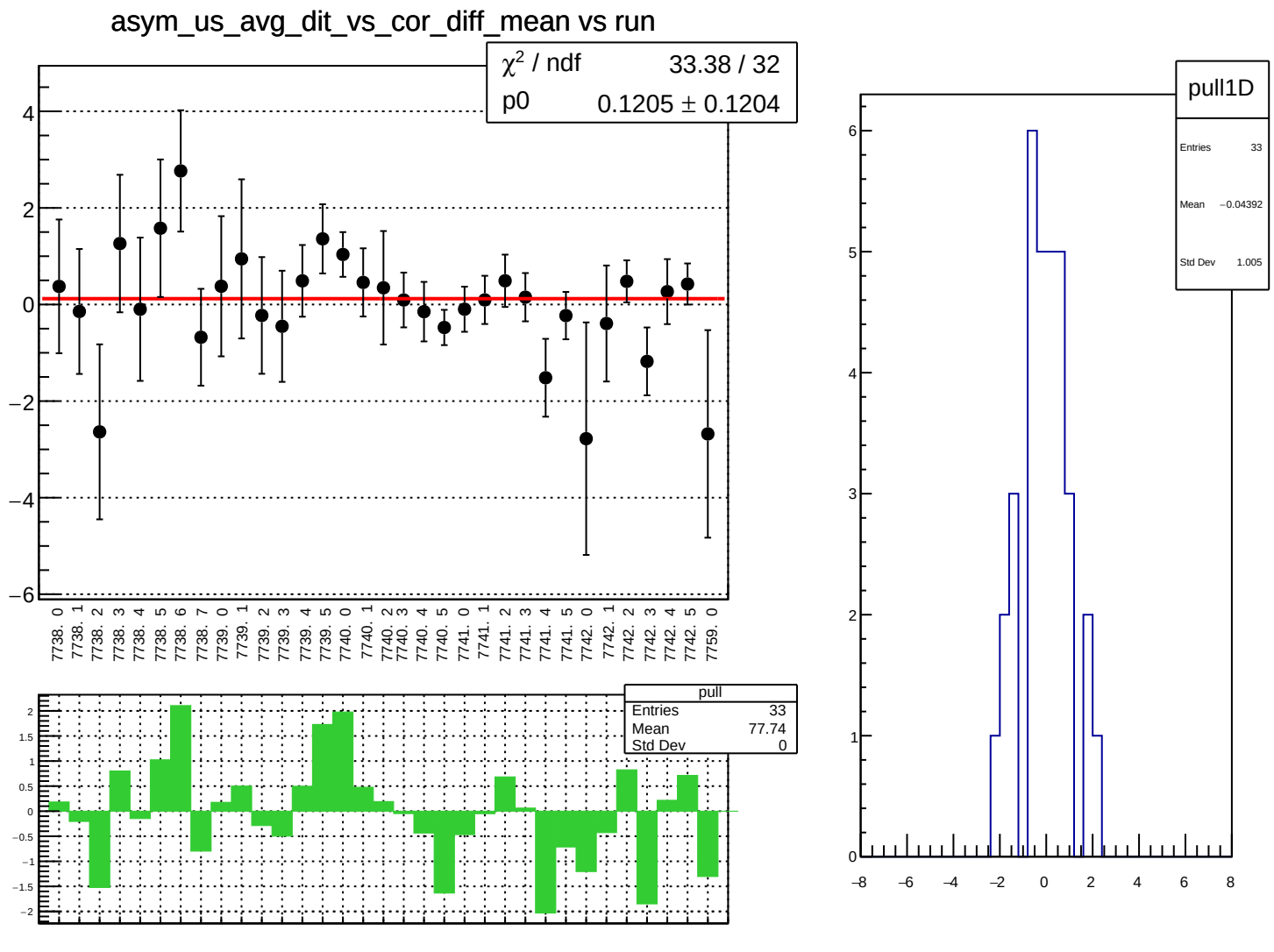

asym_us_avg_mean vs run
×10^3
χ² / ndf 37.81 / 32
p0 −1854 ± 4240
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

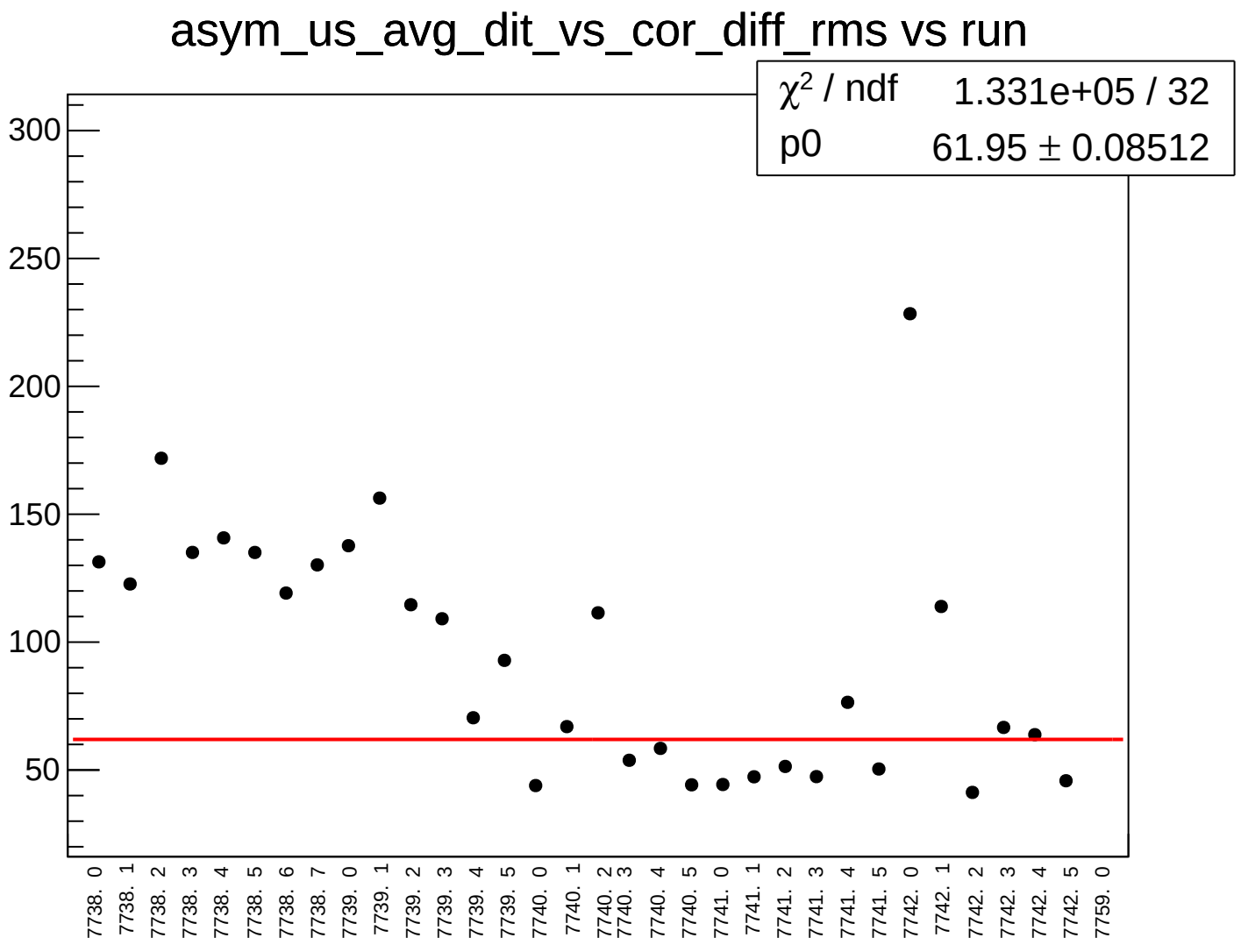

pull1D
Entries 33
Mean 0.02706
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

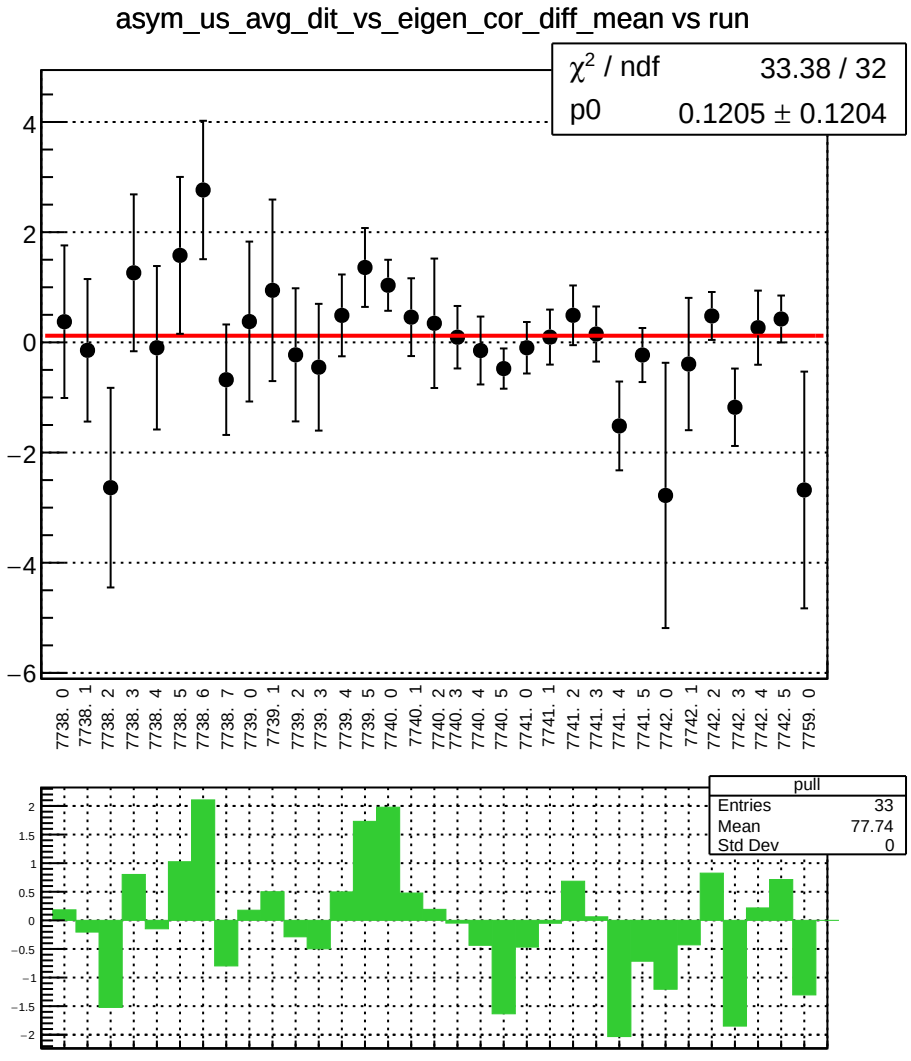

asym_us_avg_rms vs run
χ² / ndf 4033 / 32
p0 2434 ± 2.998
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

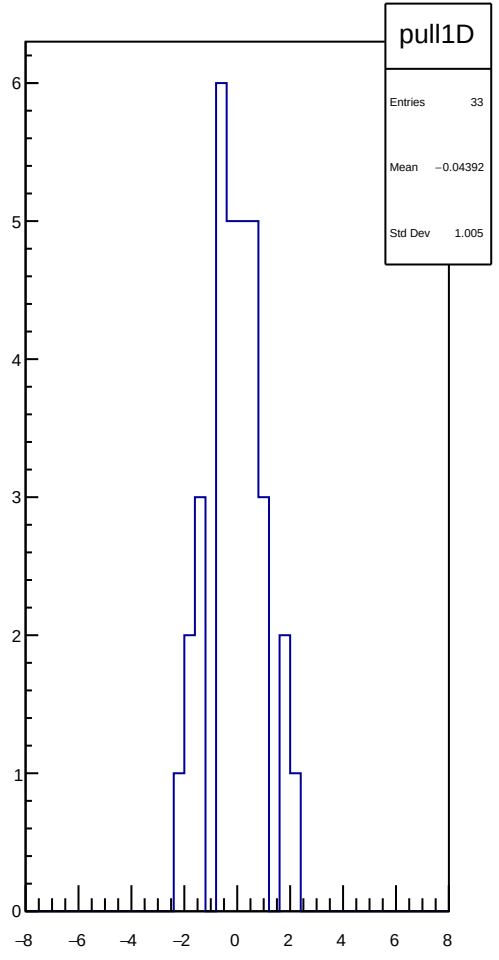

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.38 / 32
p0 −2.702e−13 ± 2.684e−13
30
20
10
0
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.06
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.1129
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

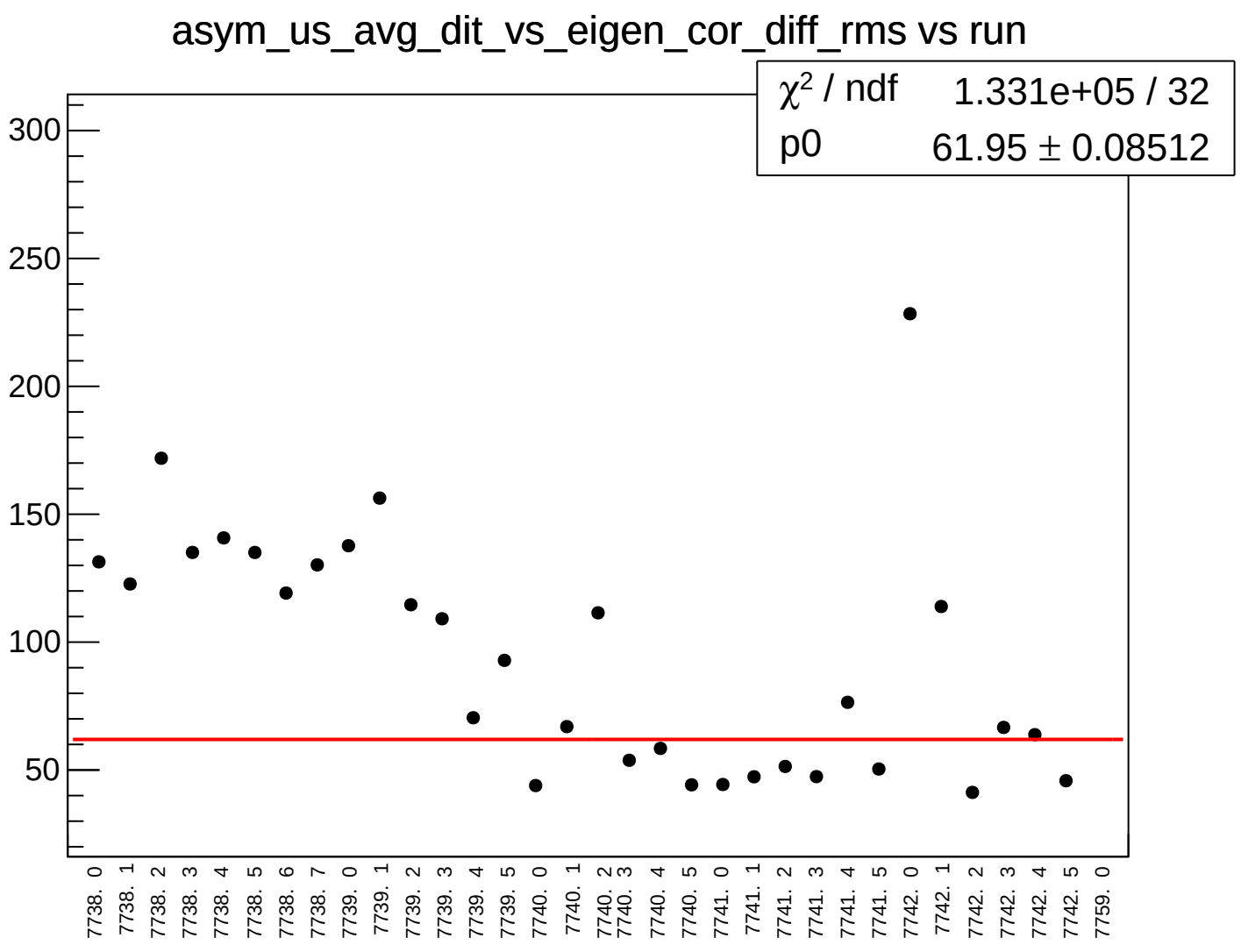

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.623e+05 / 32
p0 1.04e−10 ± 1.898e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

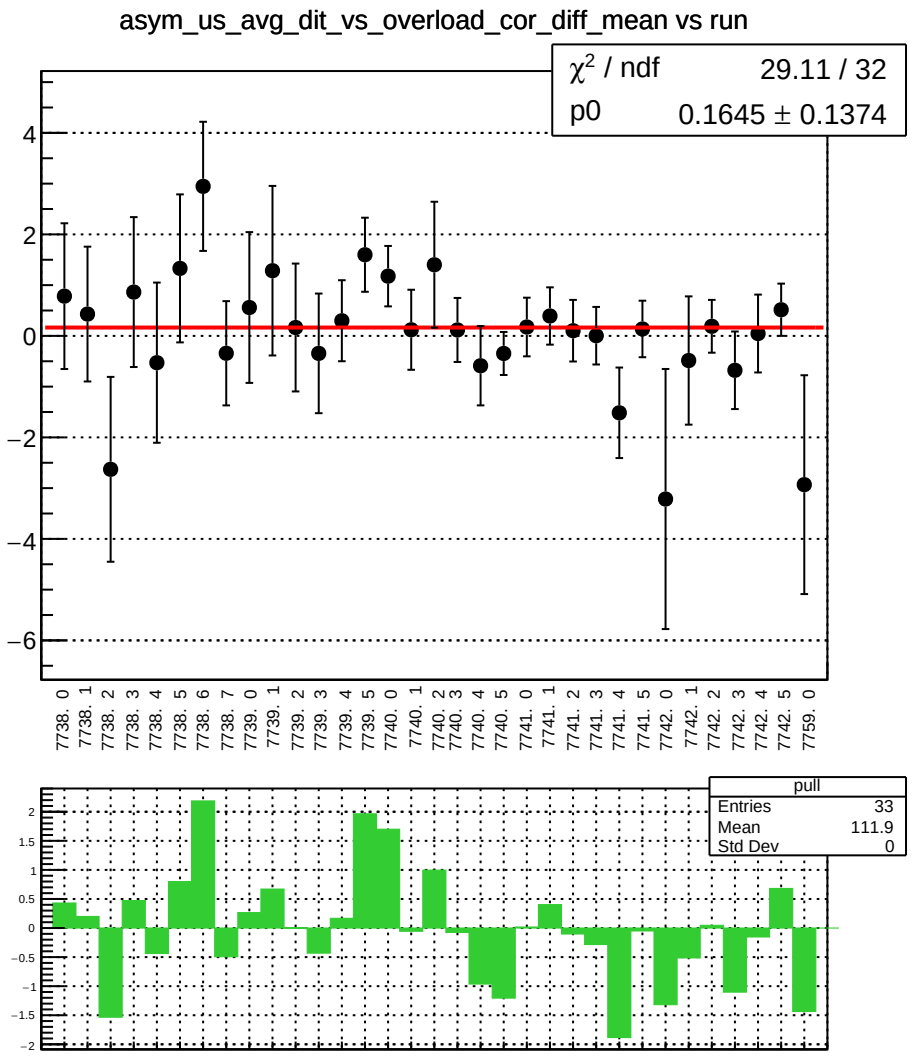

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 33.38 / 32
p0 0.1205 ± 0.1204
pull
Entries 33
Mean 77.74
Std Dev 0
pull1D
Entries 33
Mean −0.04392
Std Dev 1.005

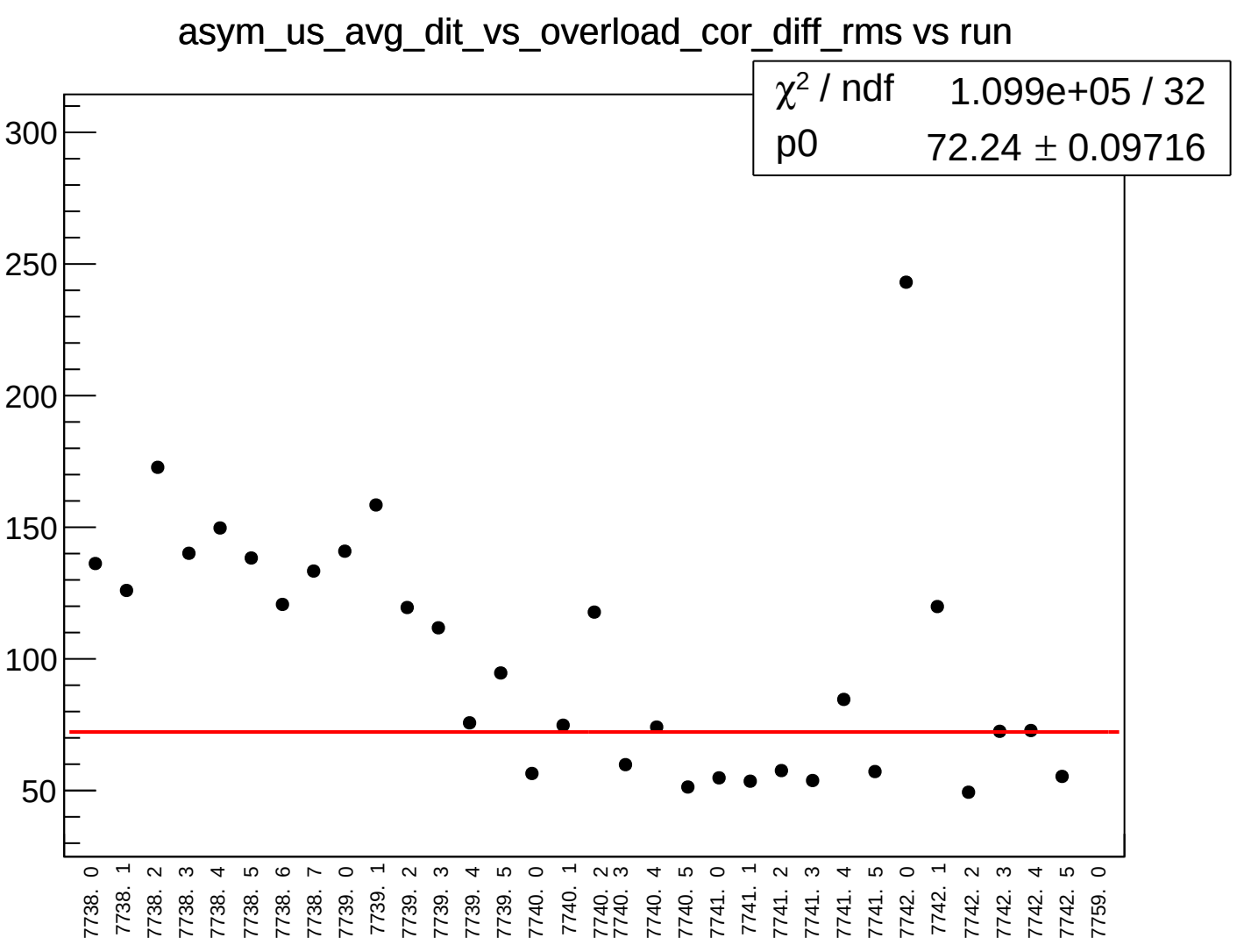

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.331e+05 / 32
p0 61.95 ± 0.08512
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

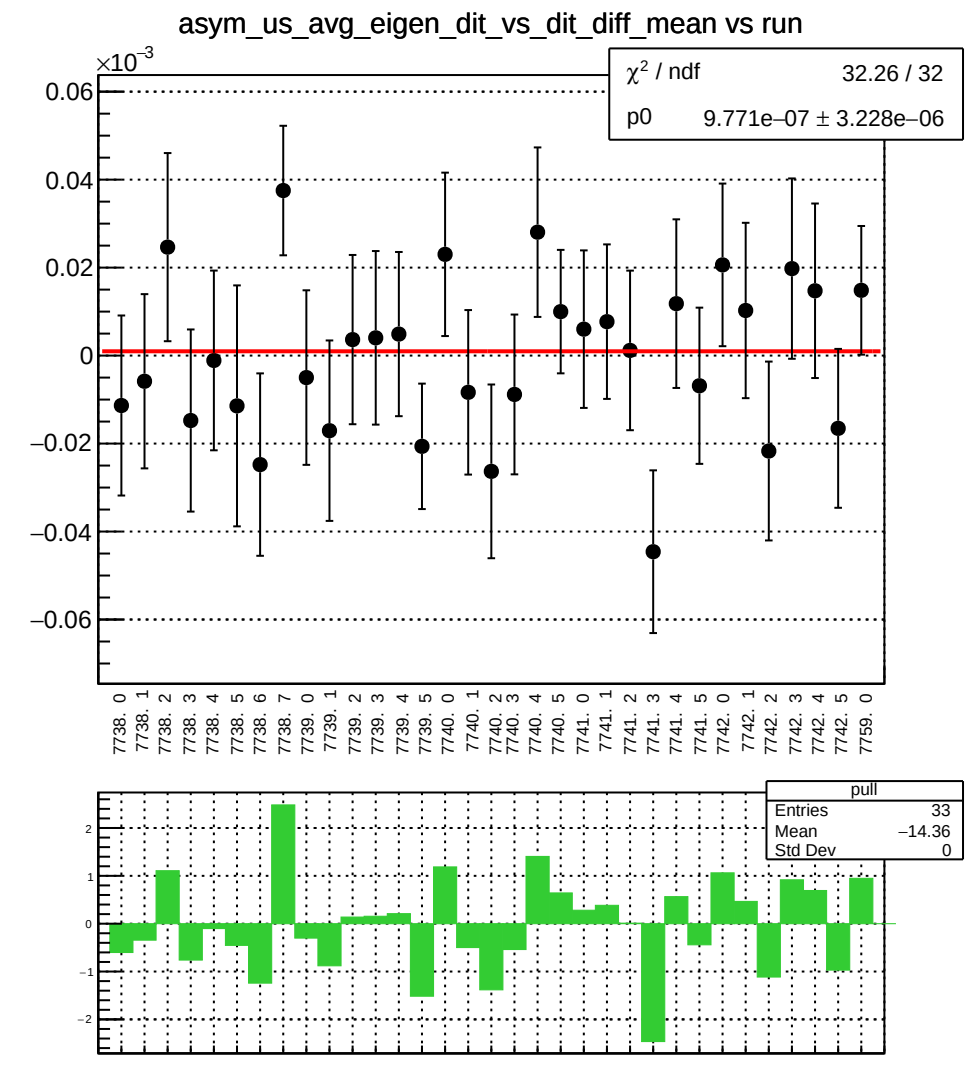

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.38 / 32
p0 0.1205 ± 0.1204
pull
Entries 33
Mean 77.74
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

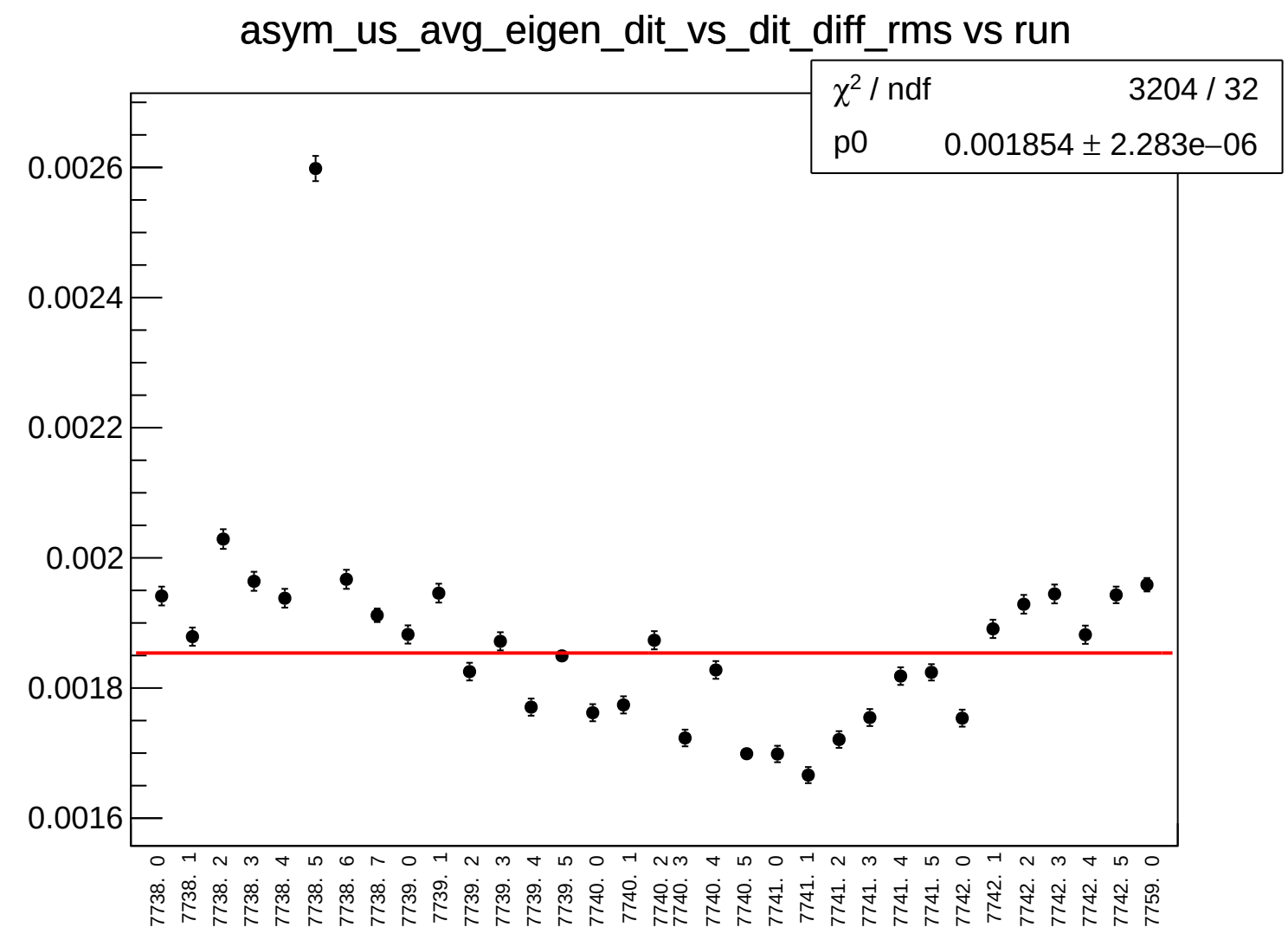

pull1D
Entries 33
Mean −0.04392
Std Dev 1.005

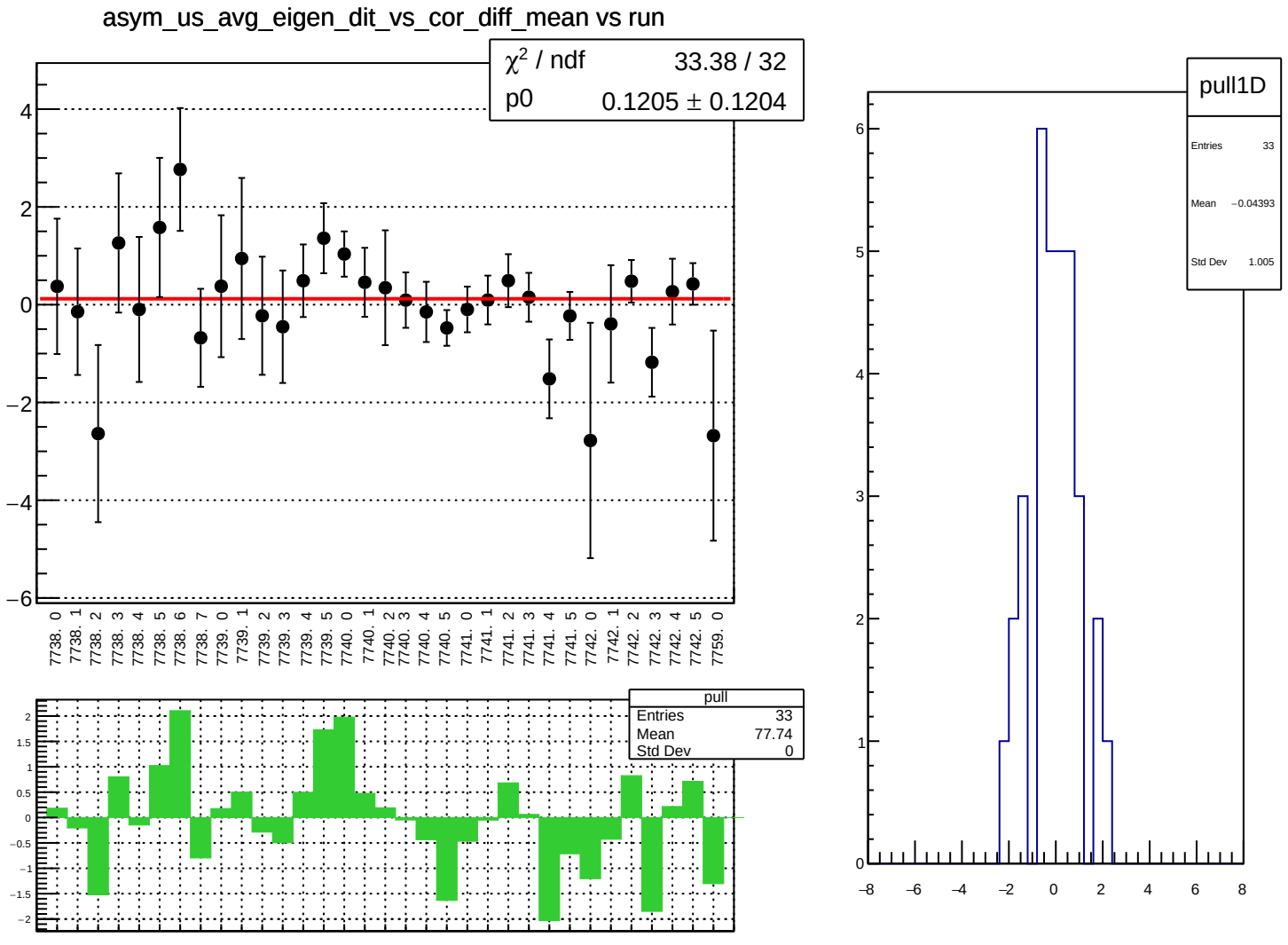

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.331e+05 / 32
p0 61.95 ± 0.08512
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

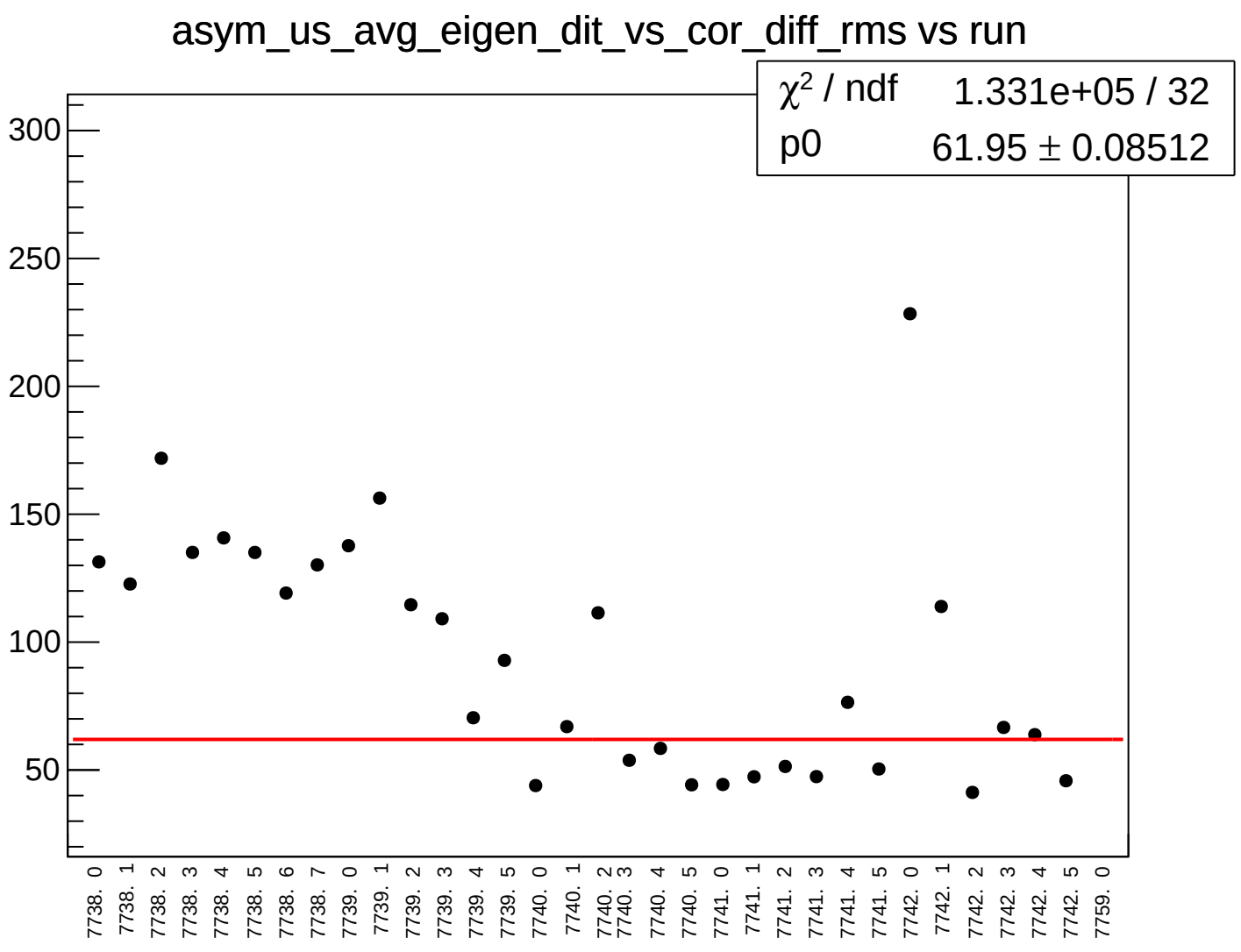

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 29.11 / 32
p0 0.1645 ± 0.1374
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 111.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.03154
Std Dev 0.9386
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

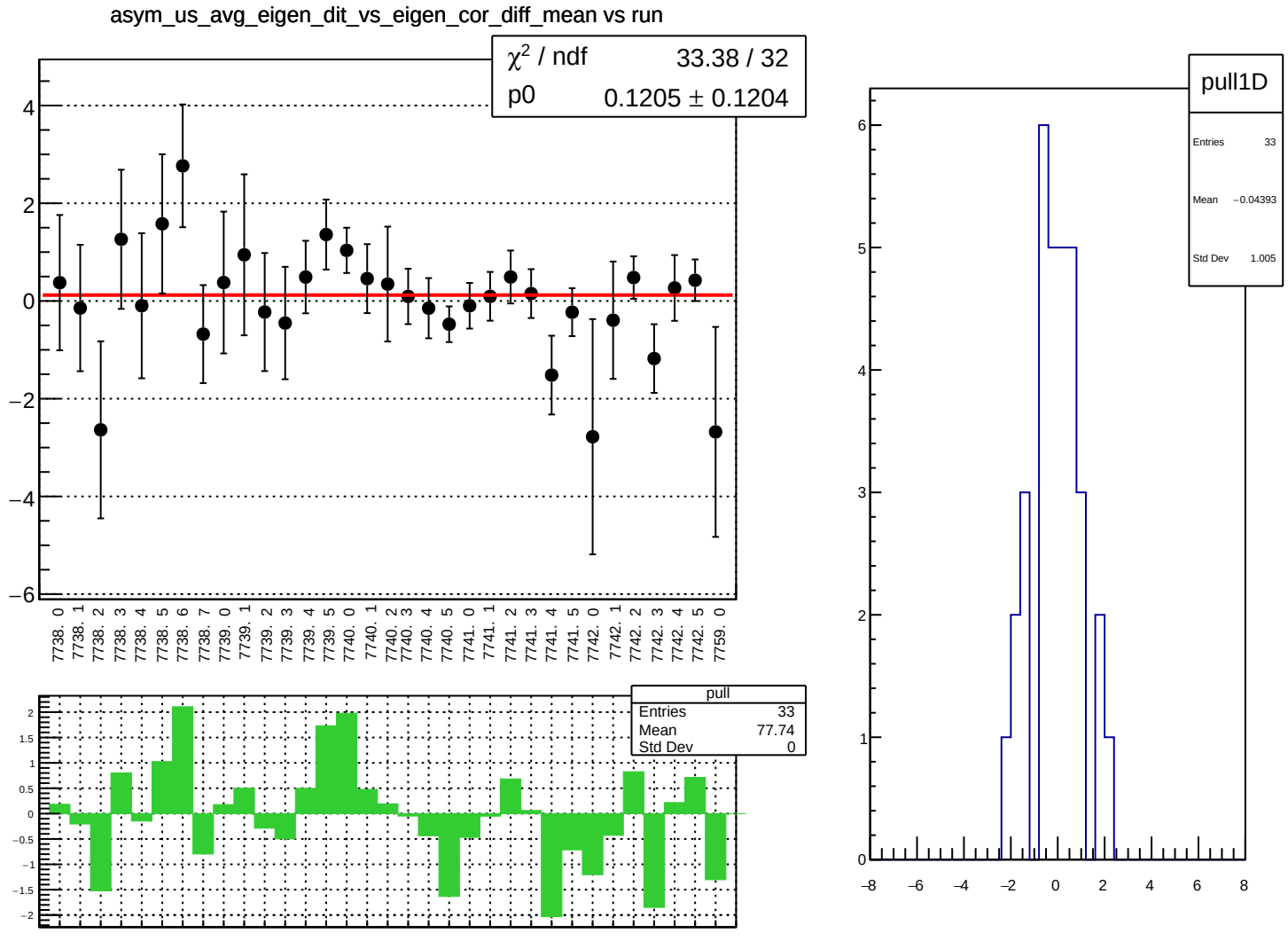

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.099e+05 / 32
p0 72.24 ± 0.09716
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

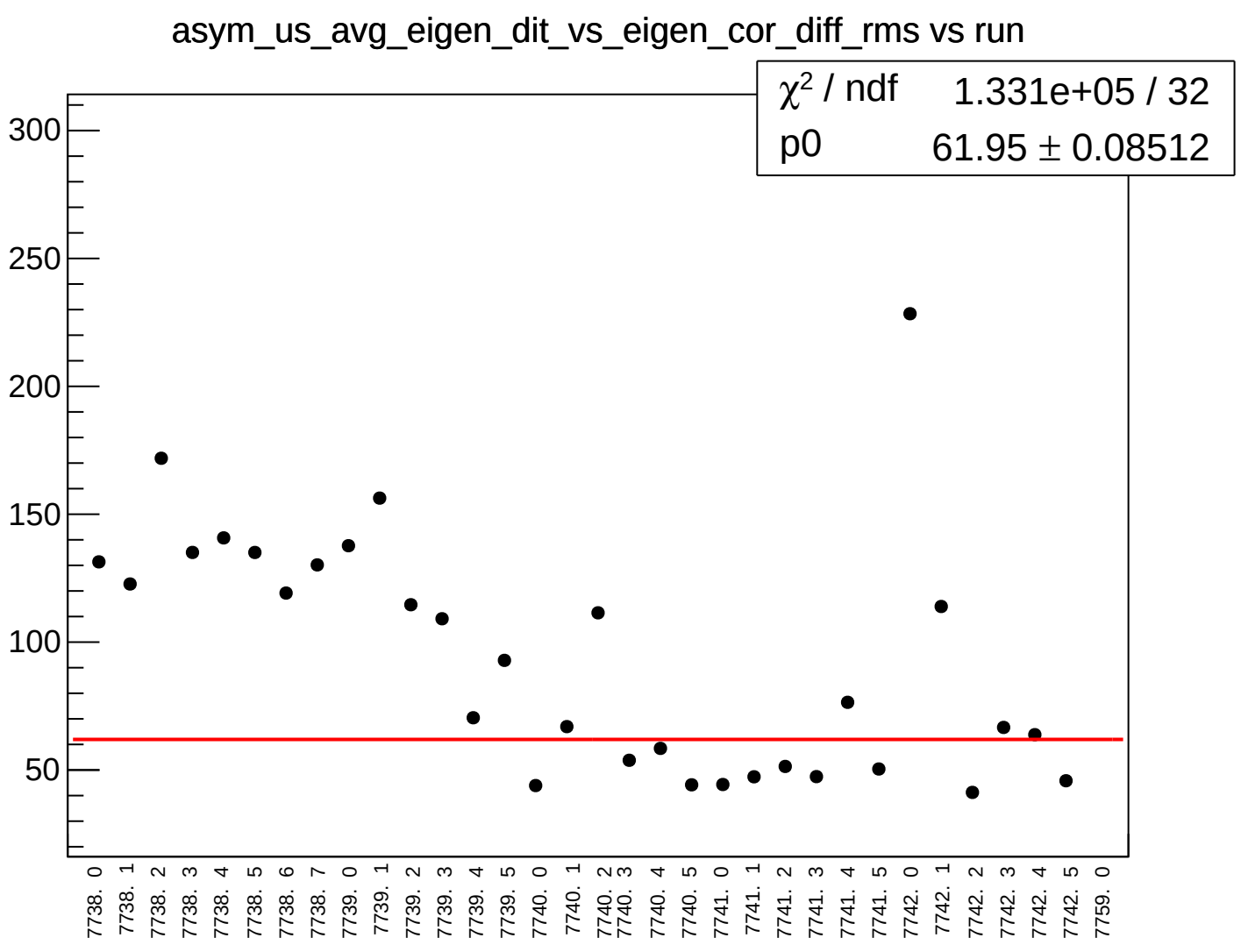

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.26 / 32
p0 9.771e−07 ± 3.228e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.36
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02896
Std Dev 0.9883
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

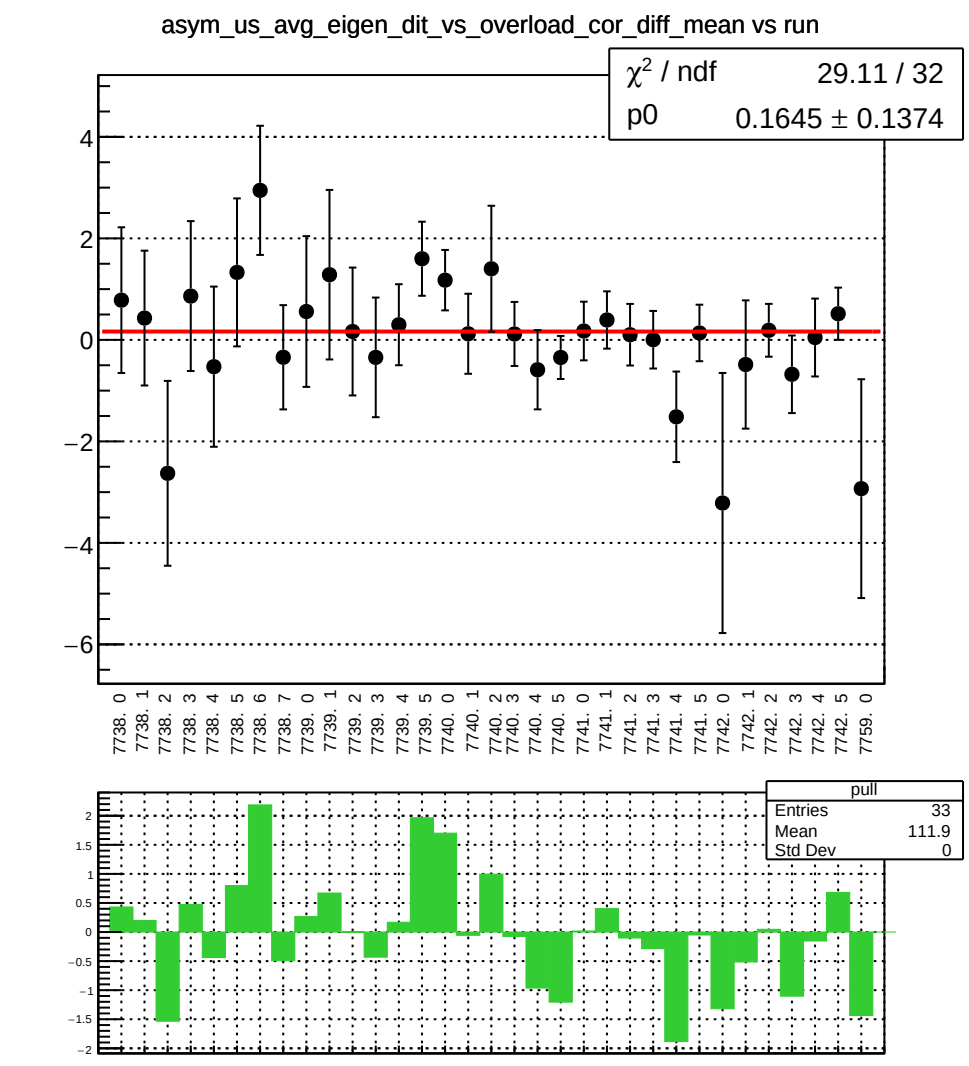

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3204 / 32
p0 0.001854 ± 2.283e−06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

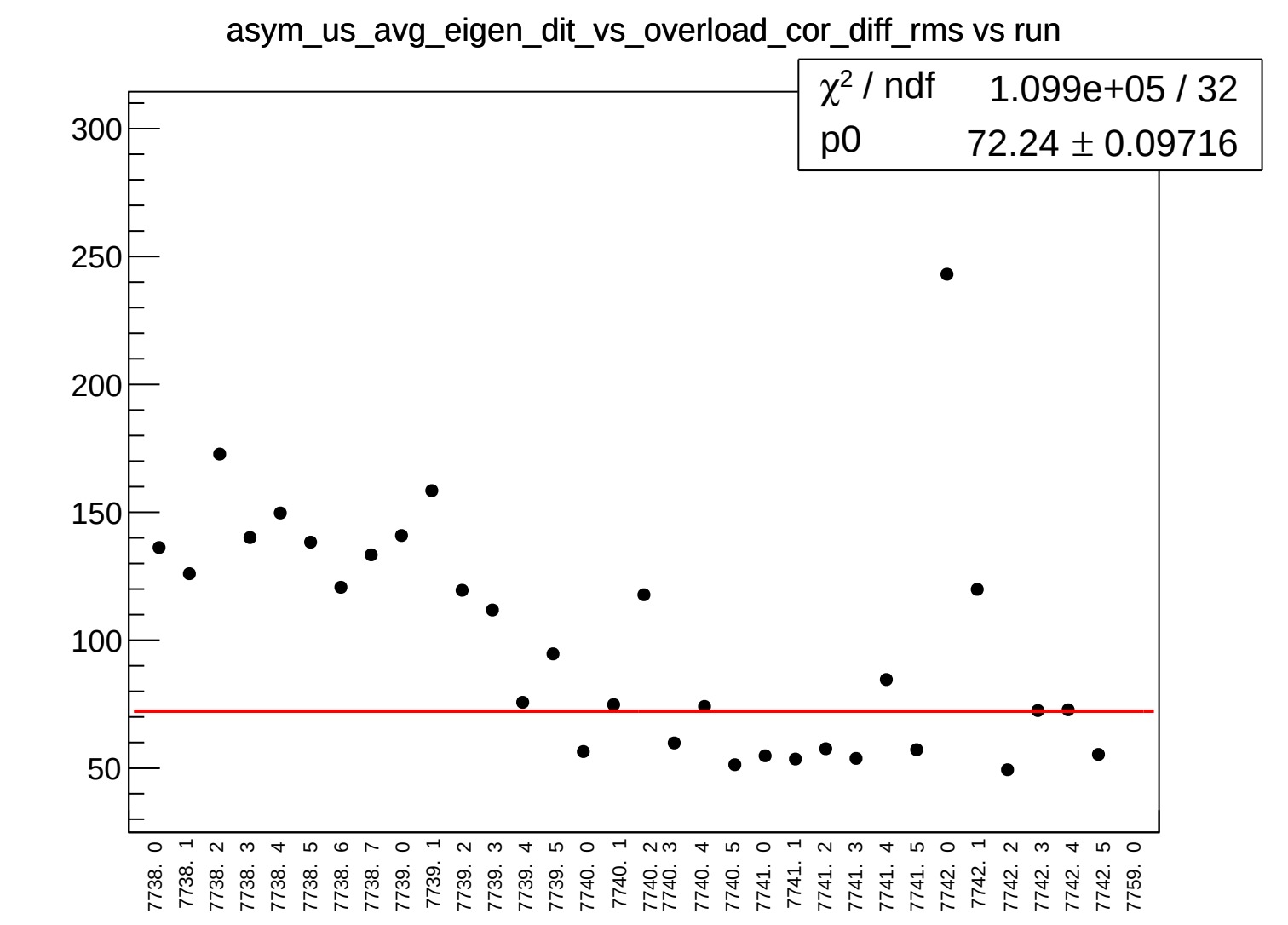

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.38 / 32
p0 0.1205 ± 0.1204
pull
Entries 33
Mean 77.74
Std Dev 0
pull1D
Entries 33
Mean −0.04393
Std Dev 1.005

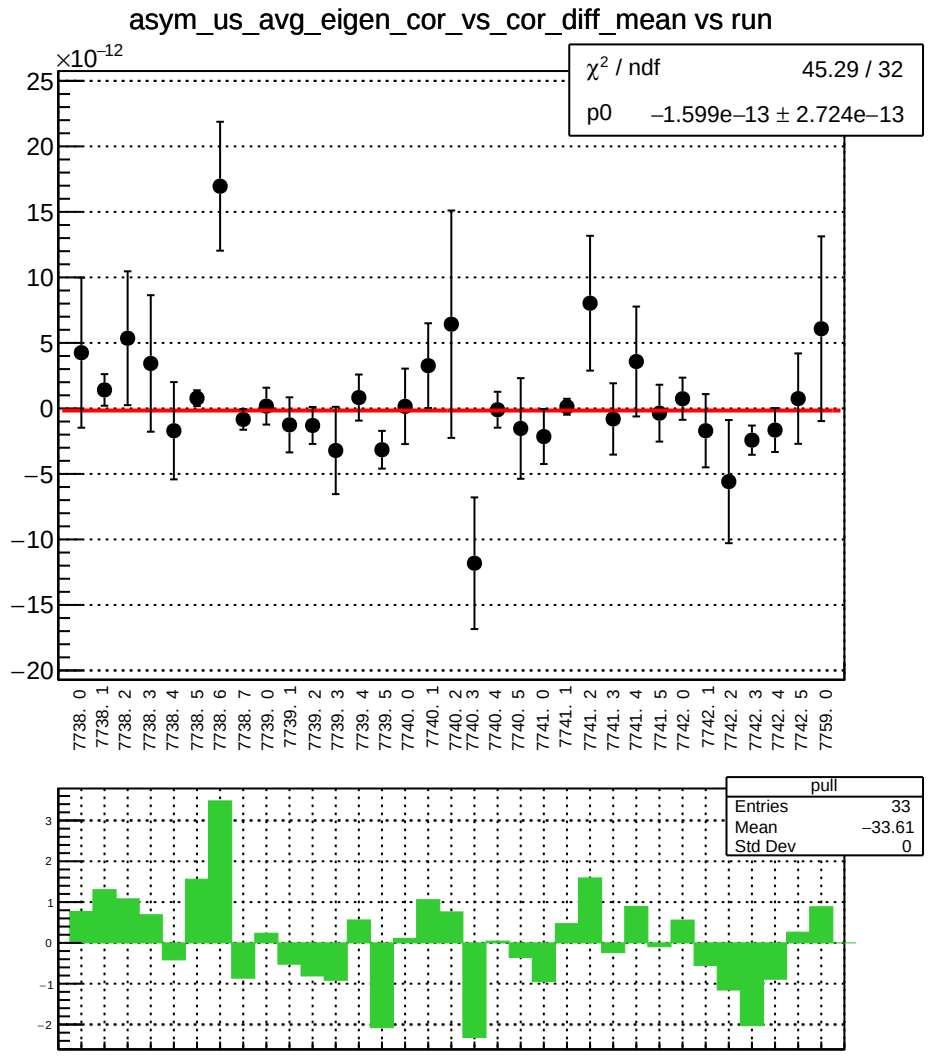

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.331e+05 / 32
p0 61.95 ± 0.08512
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

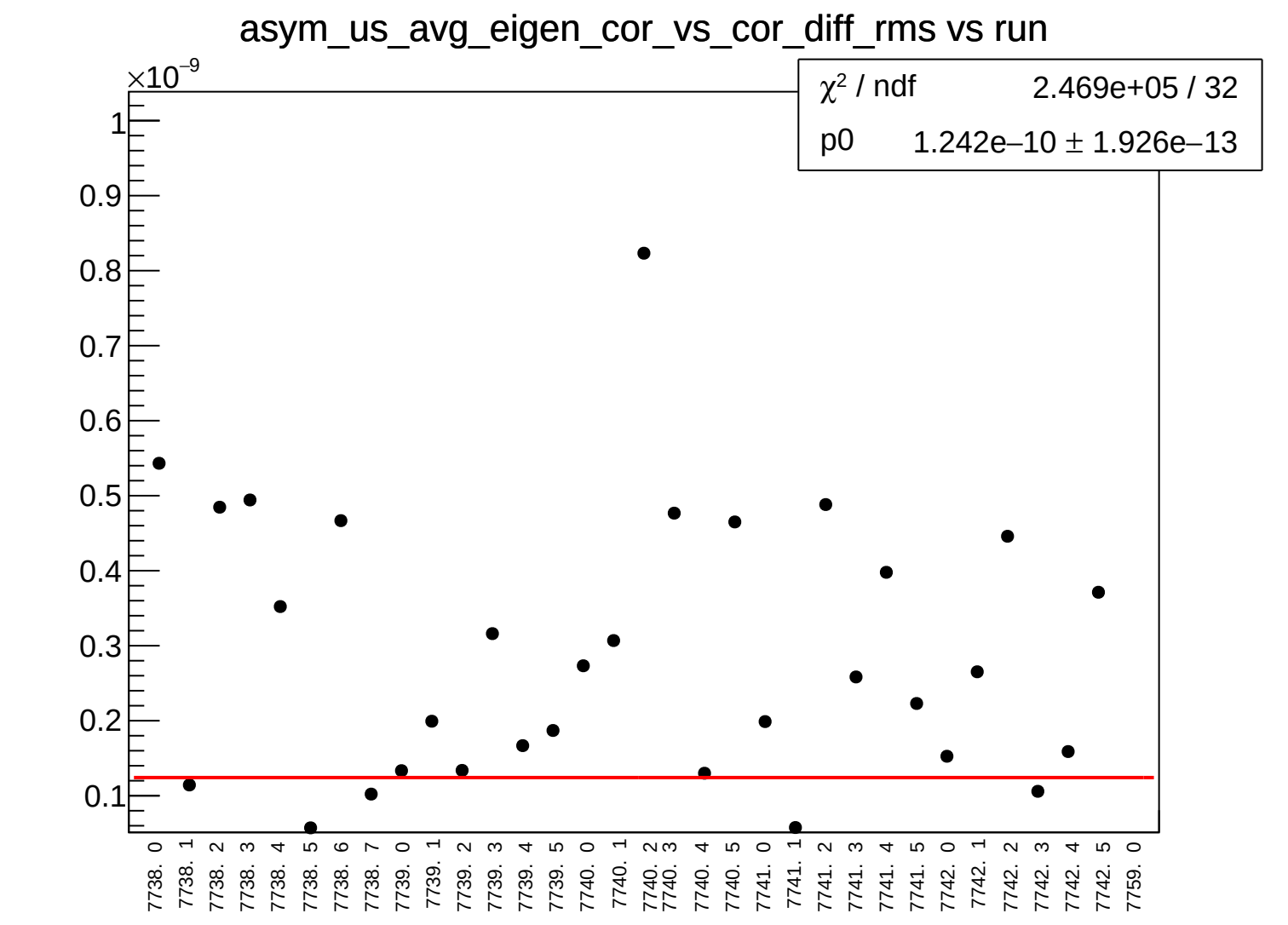

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.38 / 32
p0 0.1205 ± 0.1204
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 77.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.04393
Std Dev 1.005
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

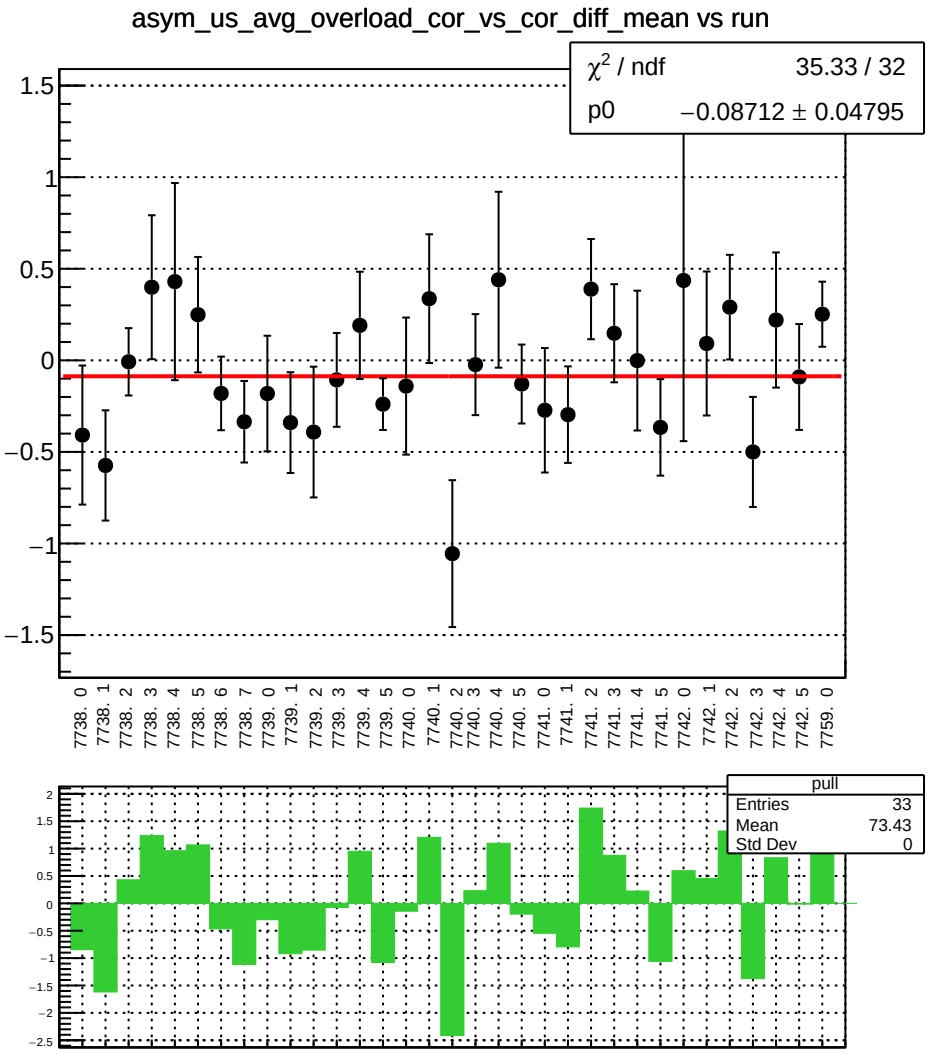

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.331e+05 / 32
p0 61.95 ± 0.08512
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

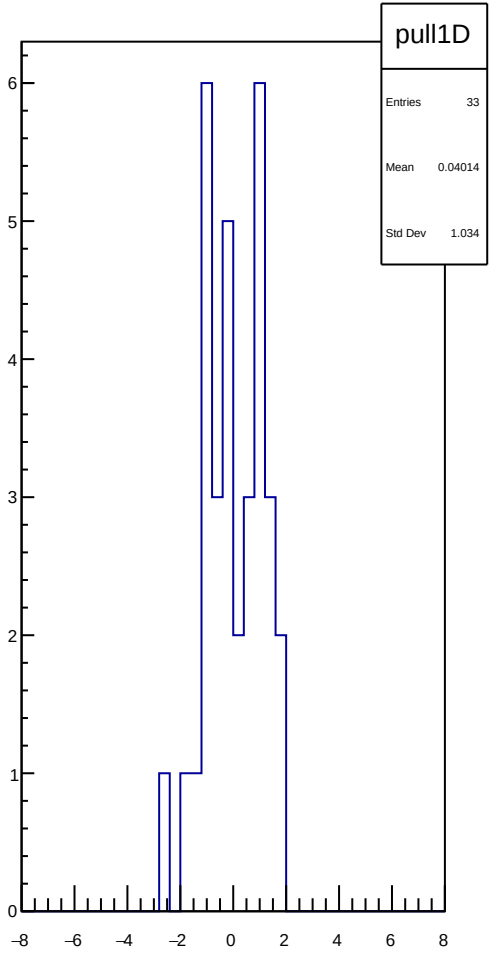

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 29.11 / 32
p0 0.1645 ± 0.1374
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 111.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.03154
Std Dev 0.9386
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

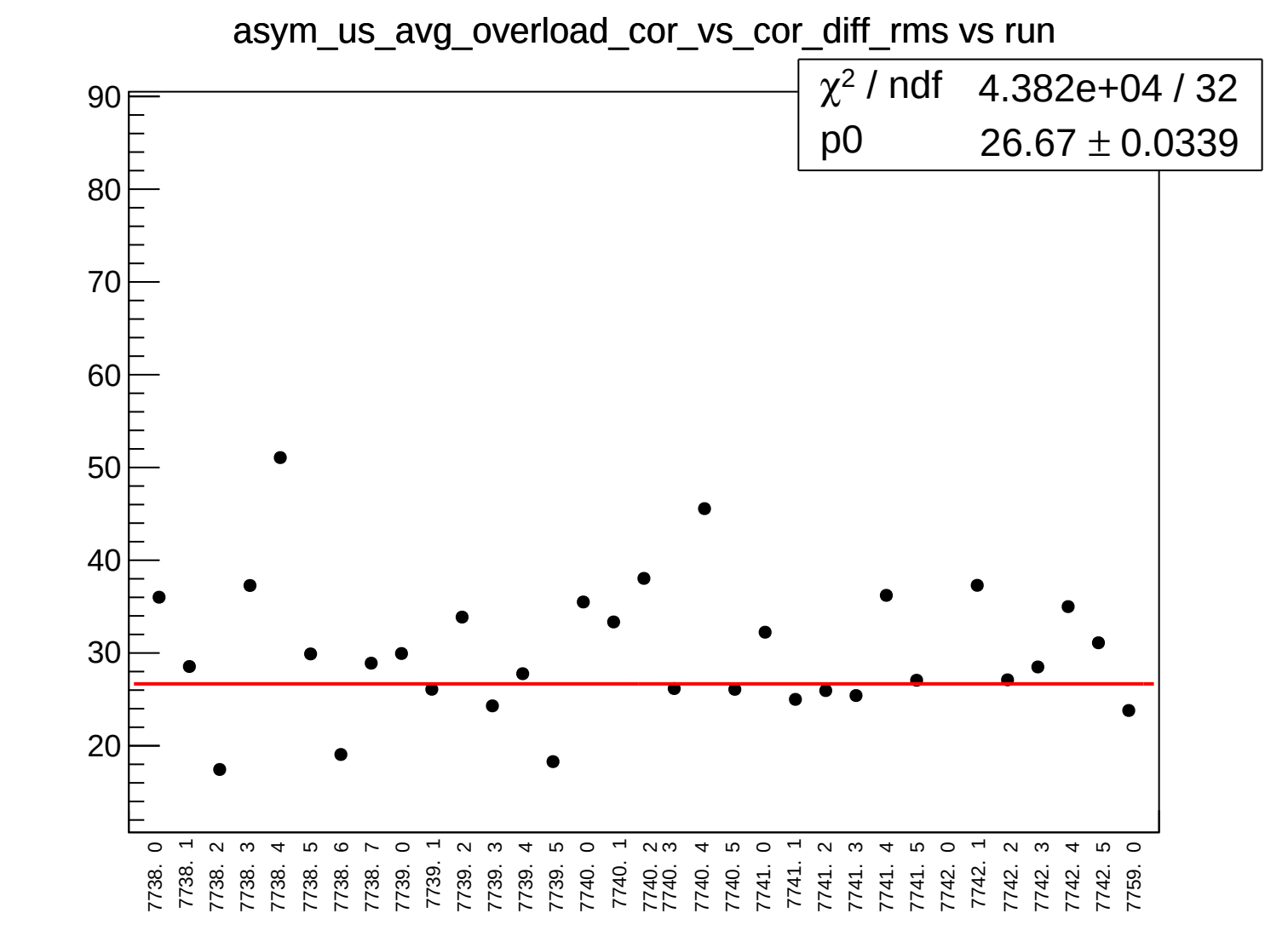

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.099e+05 / 32
p0 72.24 ± 0.09716
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

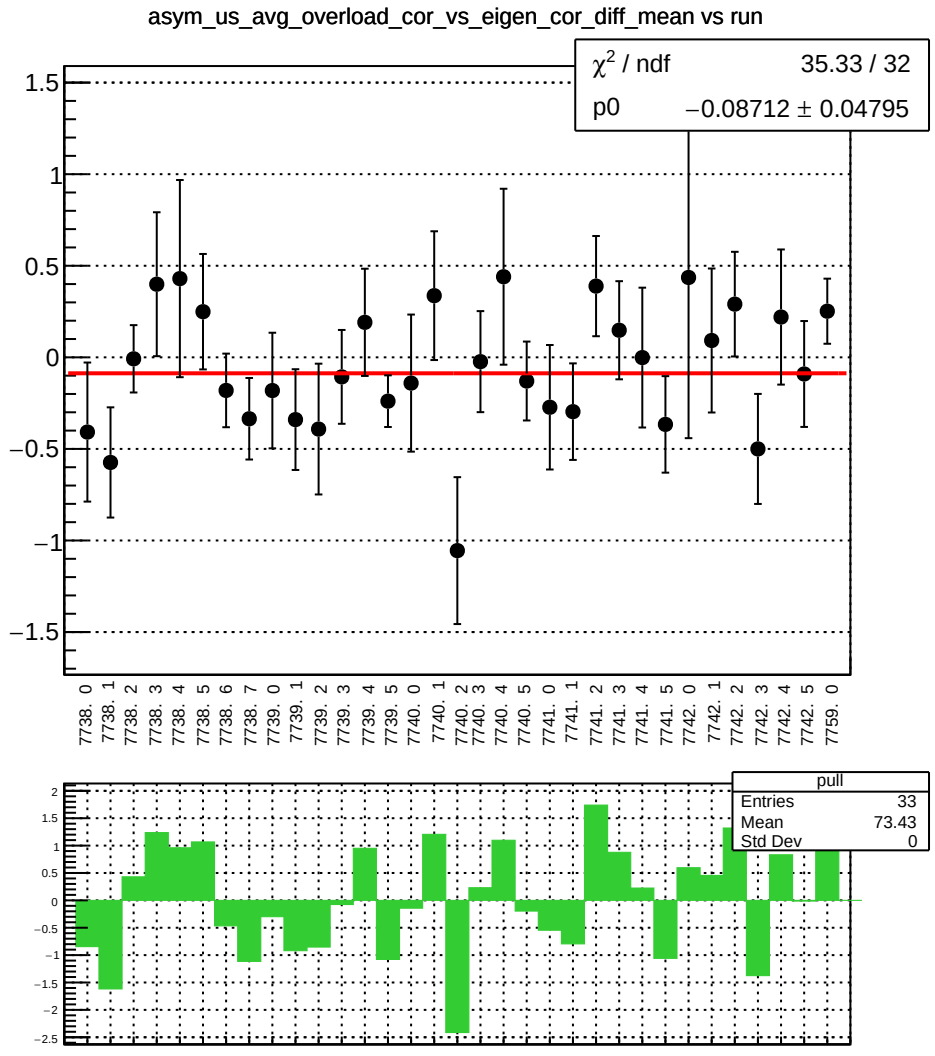

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.29 / 32
p0 −1.599e−13 ± 2.724e−13
25
20
15
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −33.61
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.06463
Std Dev 1.17
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

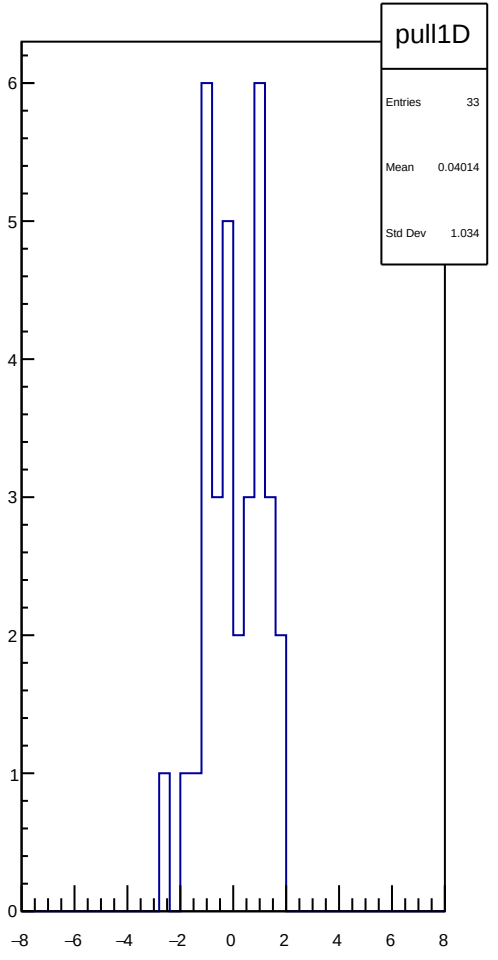

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.469e+05 / 32
p0 1.242e−10 ± 1.926e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

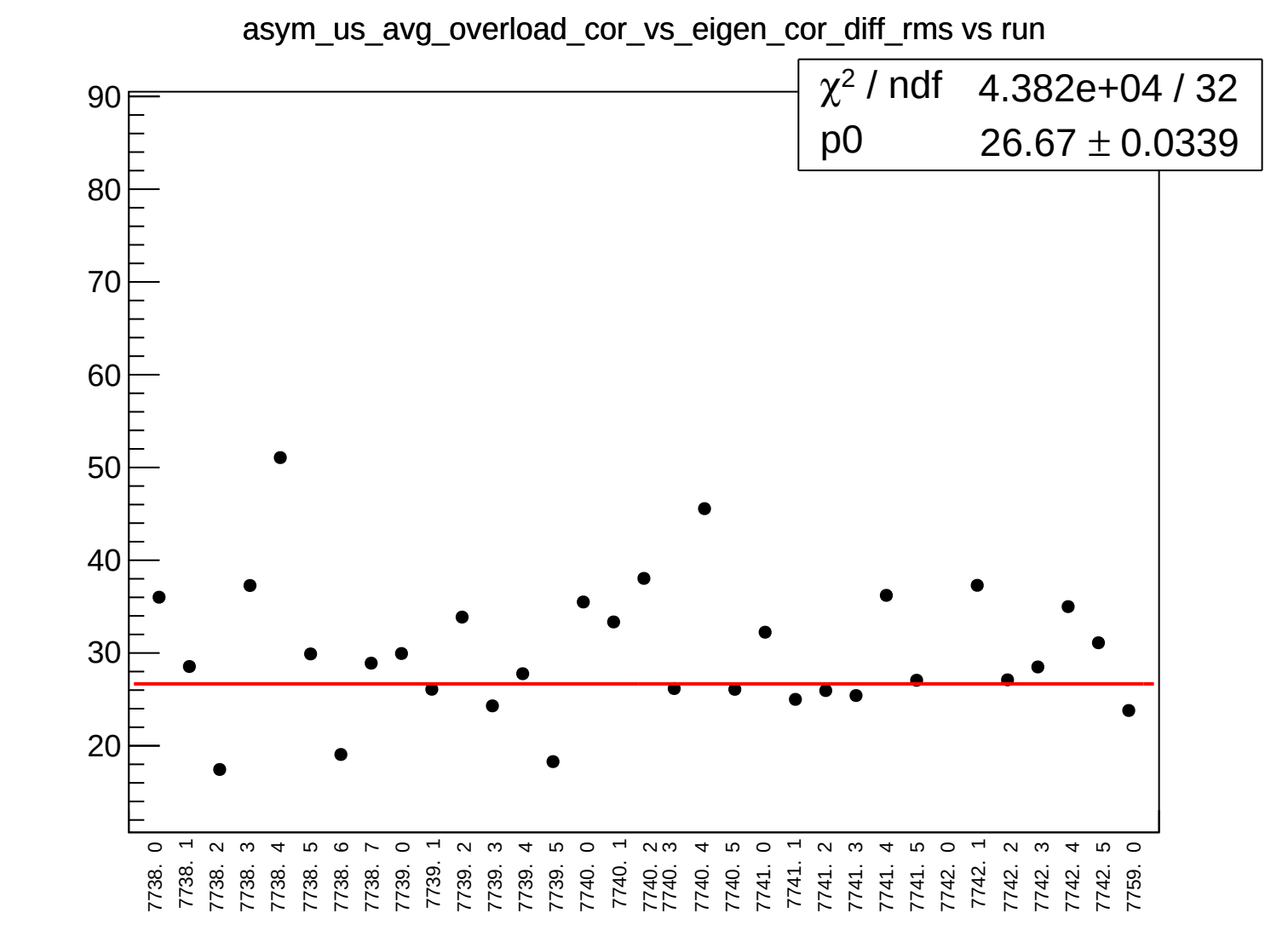

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 35.33 / 32
p0 −0.08712 ± 0.04795
pull
Entries 33
Mean 73.43
Std Dev 0

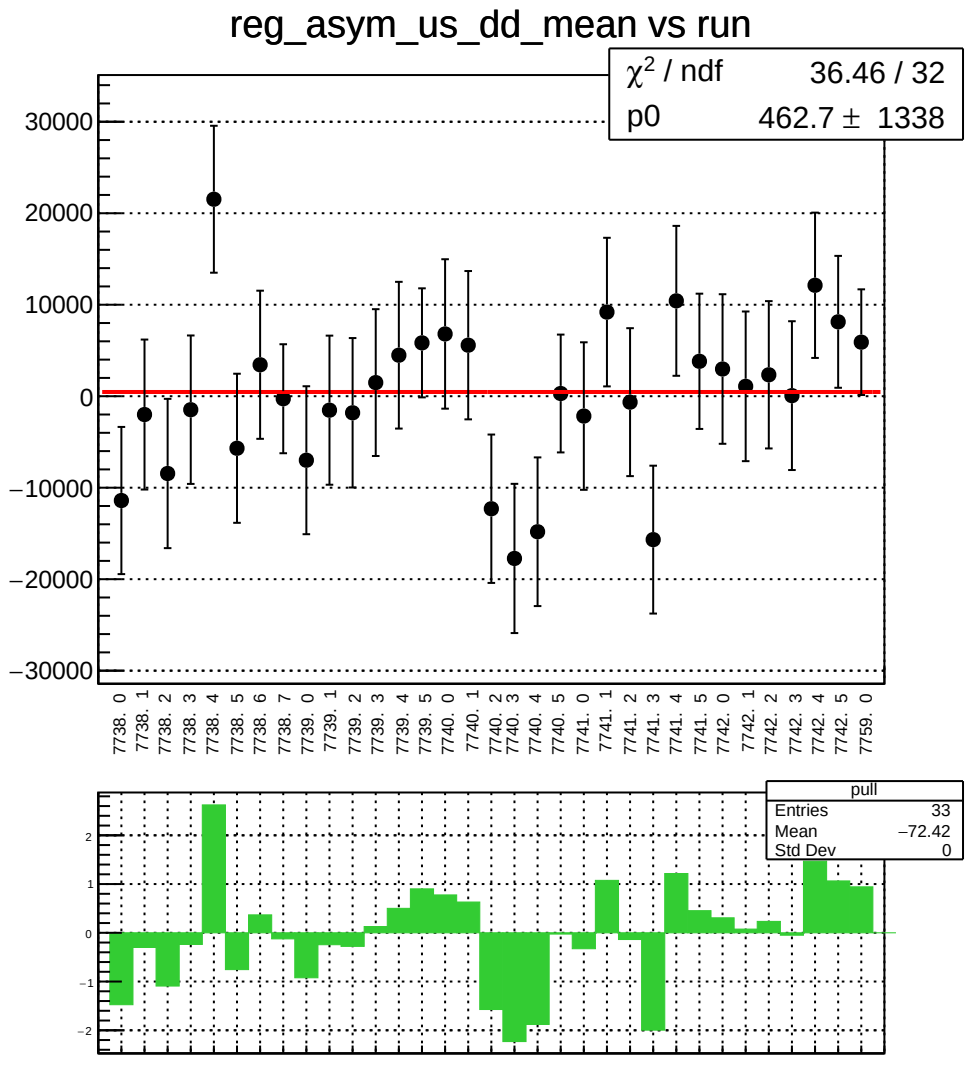

pull1D
Entries 33
Mean 0.04014
Std Dev 1.034

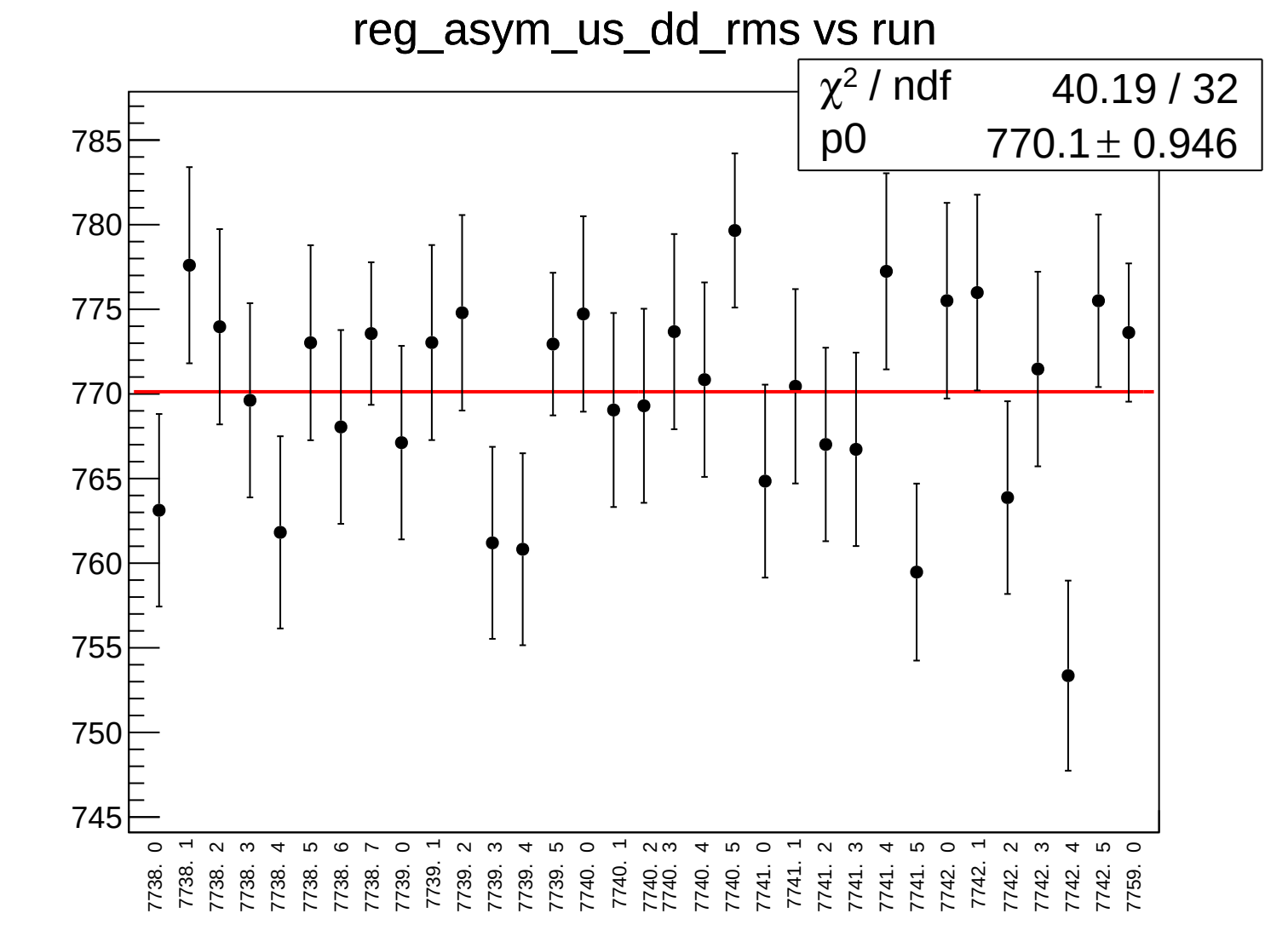

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 4.382e+04 / 32
p0 26.67 ± 0.0339
90
80
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

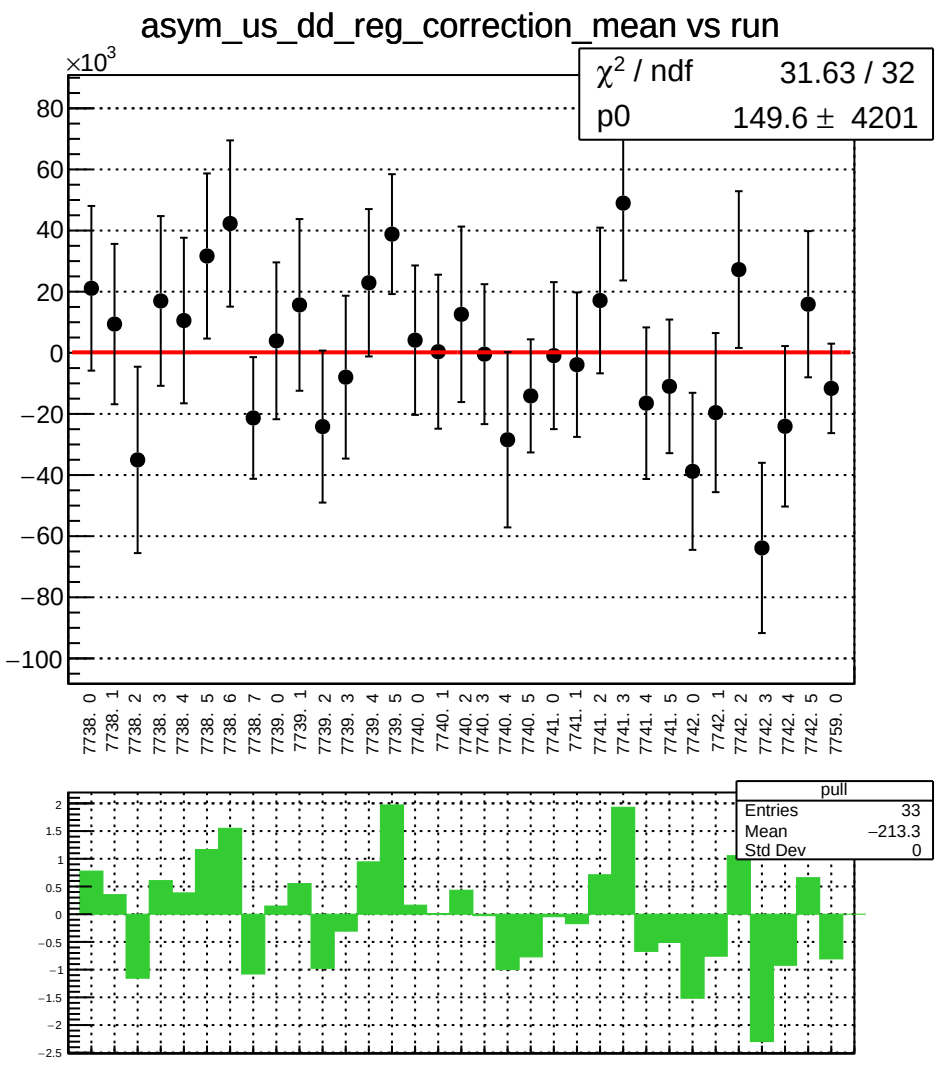

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.33 / 32
p0 −0.08712 ± 0.04795
1.5
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

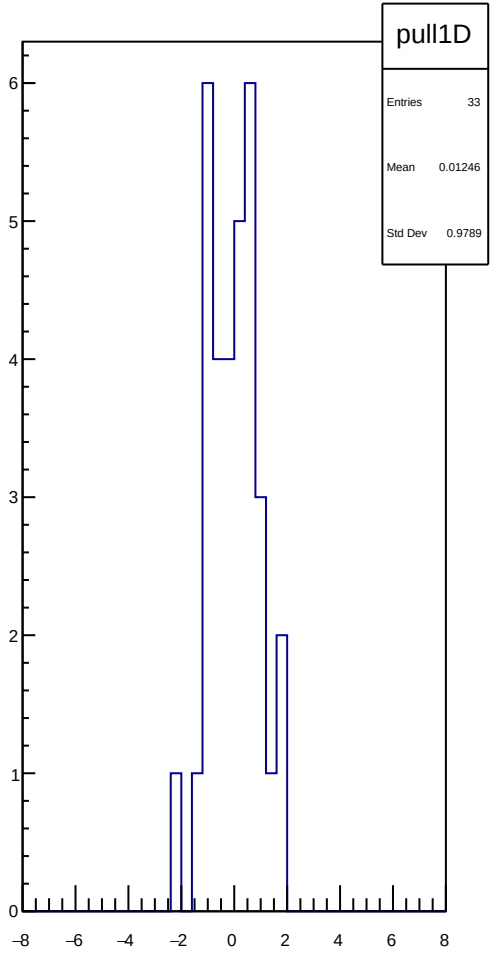

pull1D
Entries 33
Mean 0.04014
Std Dev 1.034
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

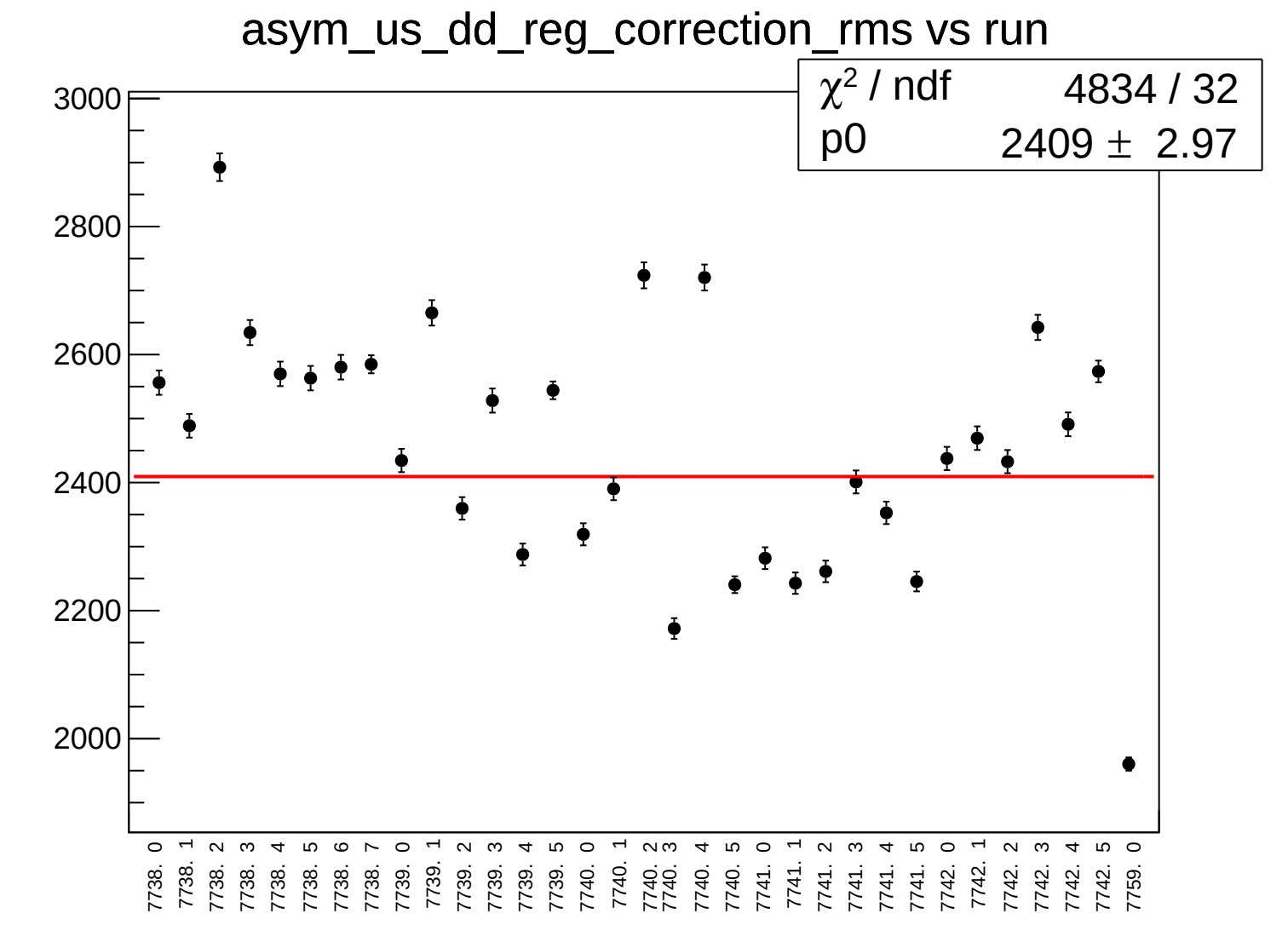

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.382e+04 / 32
p0 26.67 ± 0.0339
90
80
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

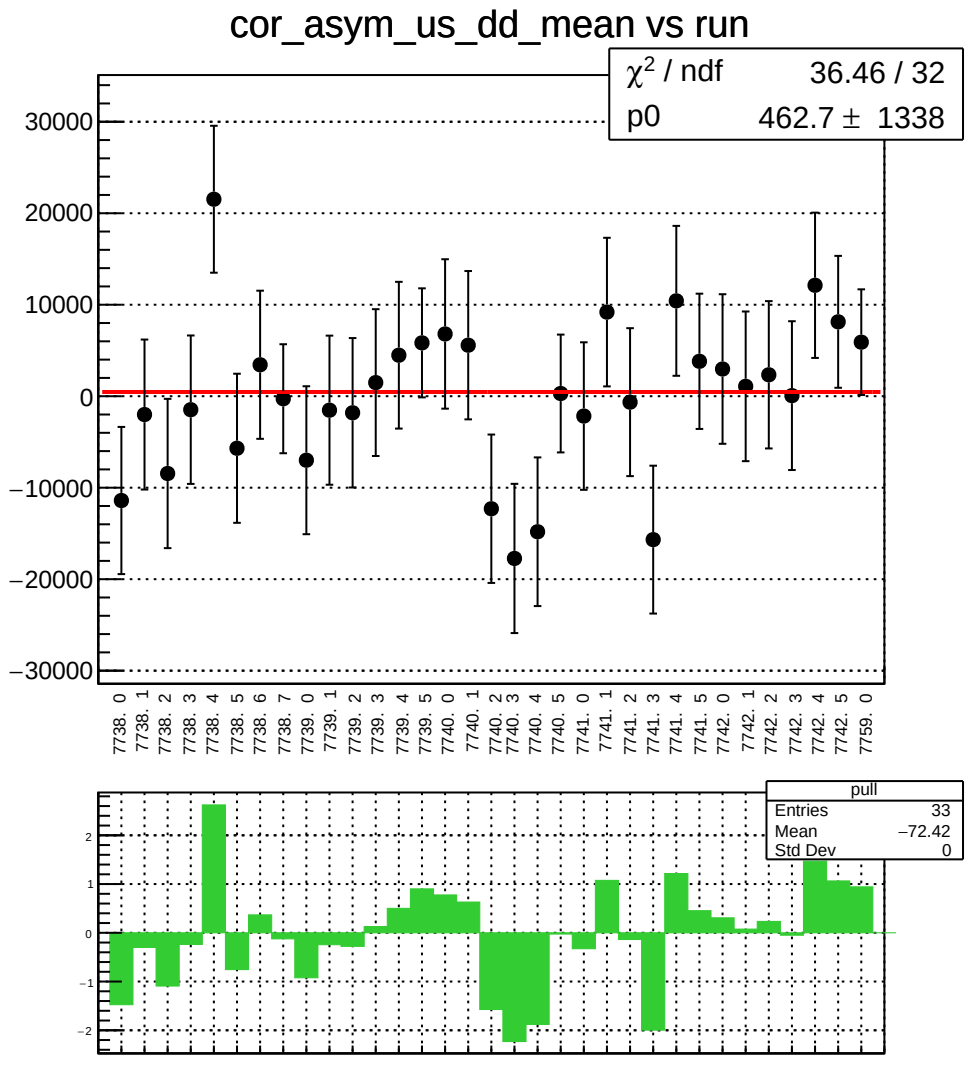

reg_asym_us_dd_mean vs run
χ² / ndf 36.46 / 32
p0 462.7 ± 1338
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −72.42
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02681
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

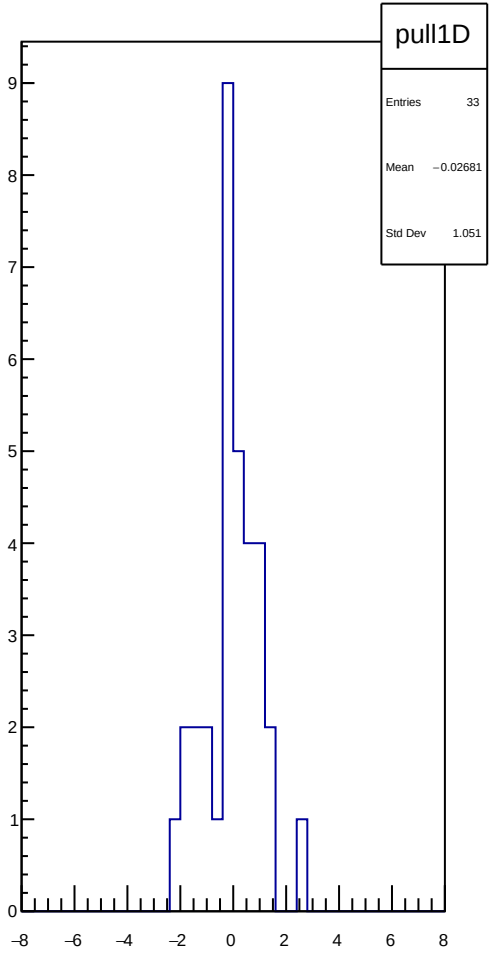

reg_asym_us_dd_rms vs run
χ² / ndf 40.19 / 32
p0 770.1 ± 0.946
785
780
775
770
765
760
755
750
745
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

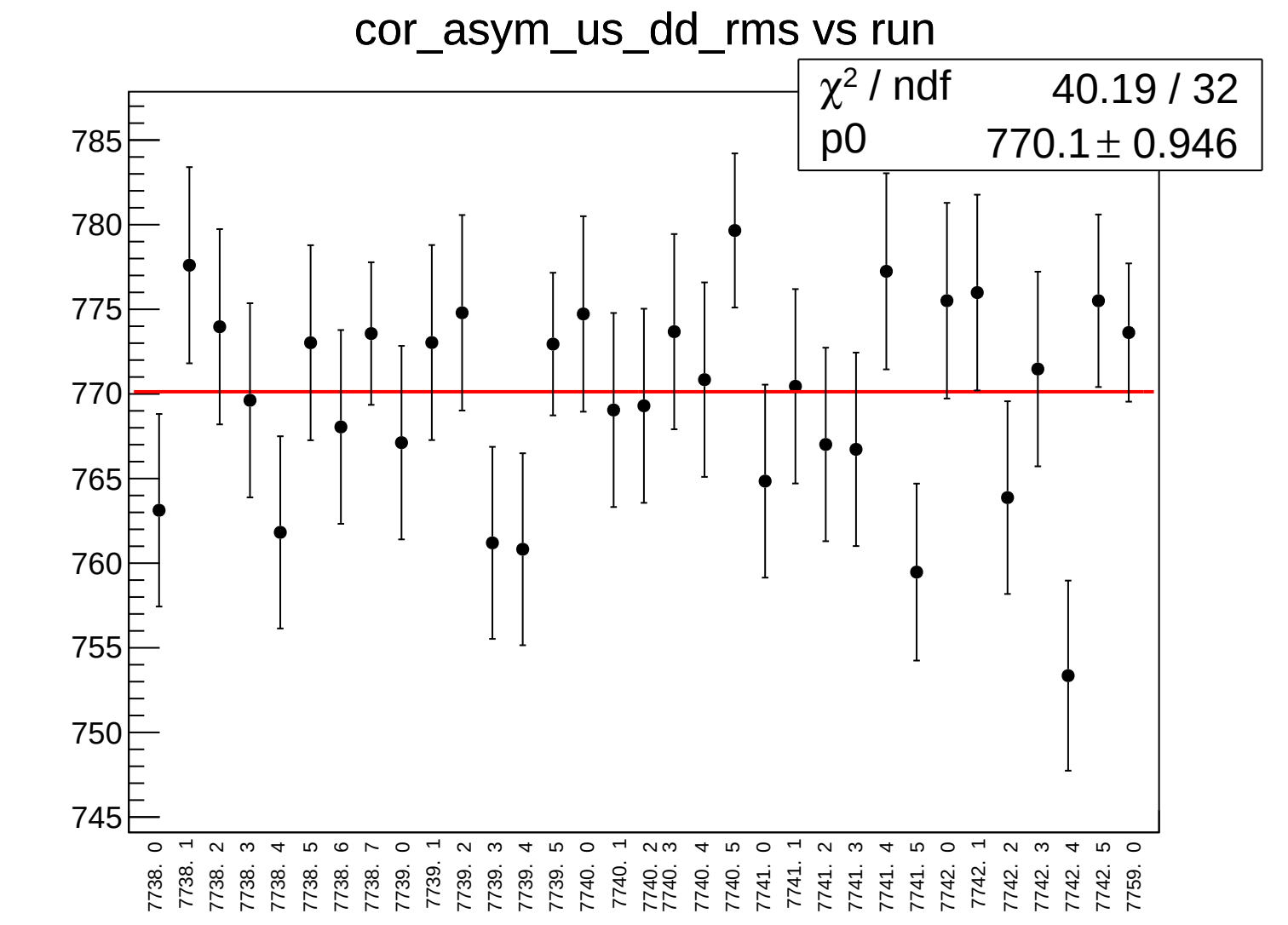

asym_us_dd_reg_correction_mean vs run
×10^3
χ² / ndf 31.63 / 32
p0 149.6 ± 4201
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −213.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

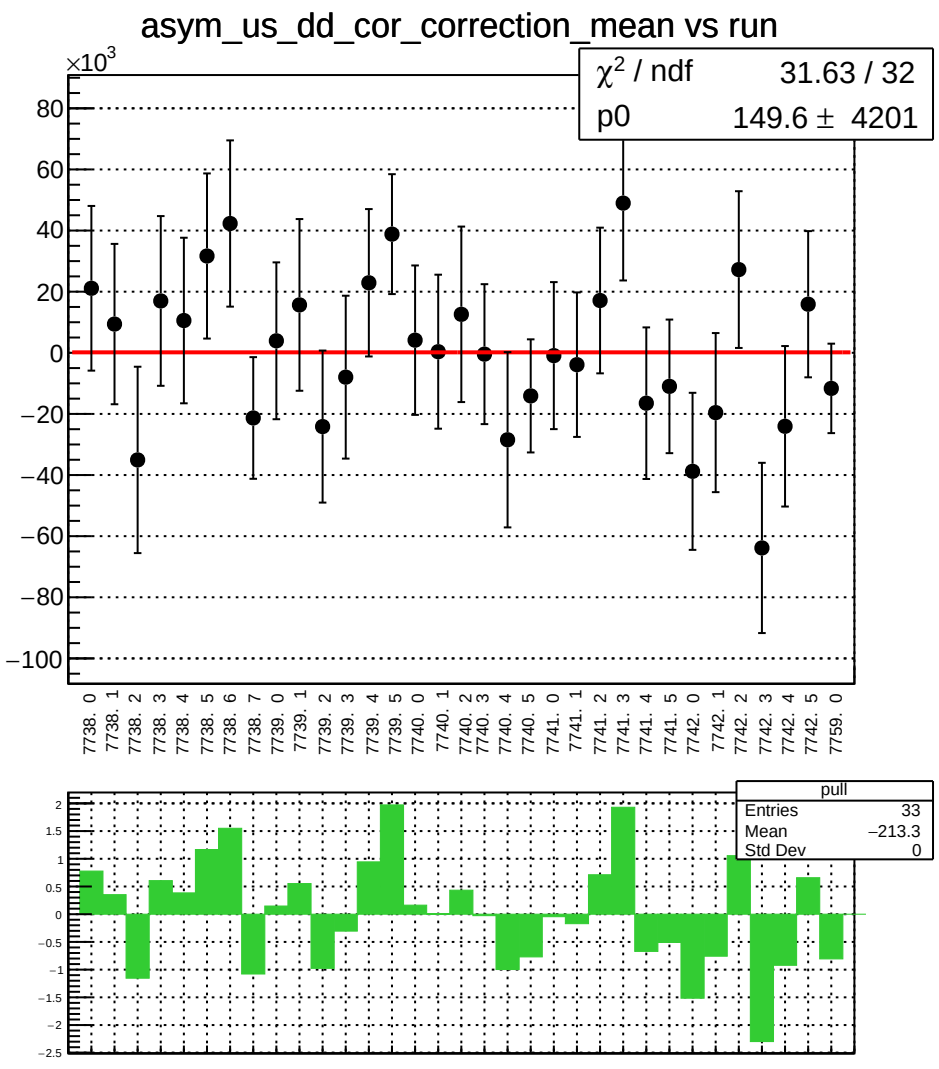

pull1D
Entries 33
Mean 0.01246
Std Dev 0.9789
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

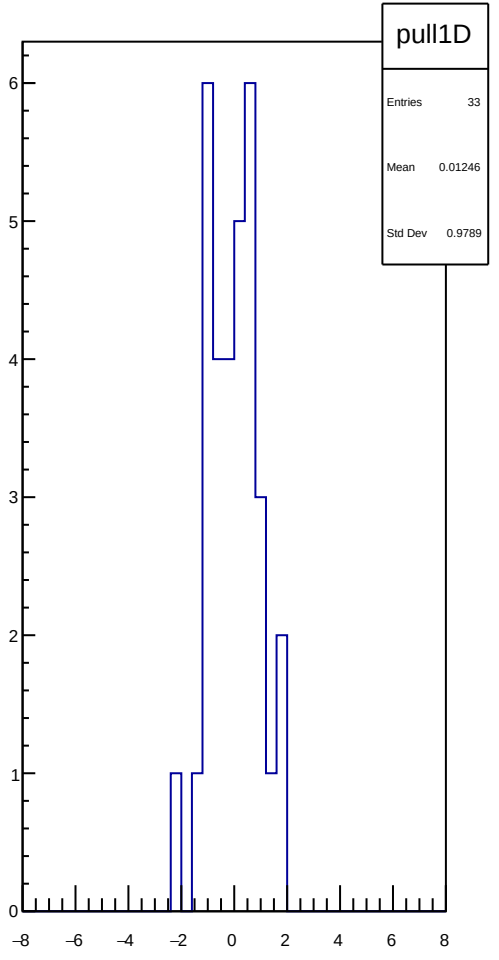

asym_us_dd_reg_correction_rms vs run
χ² / ndf 4834 / 32
p0 2409 ± 2.97
3000
2800
2600
2400
2200
2000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

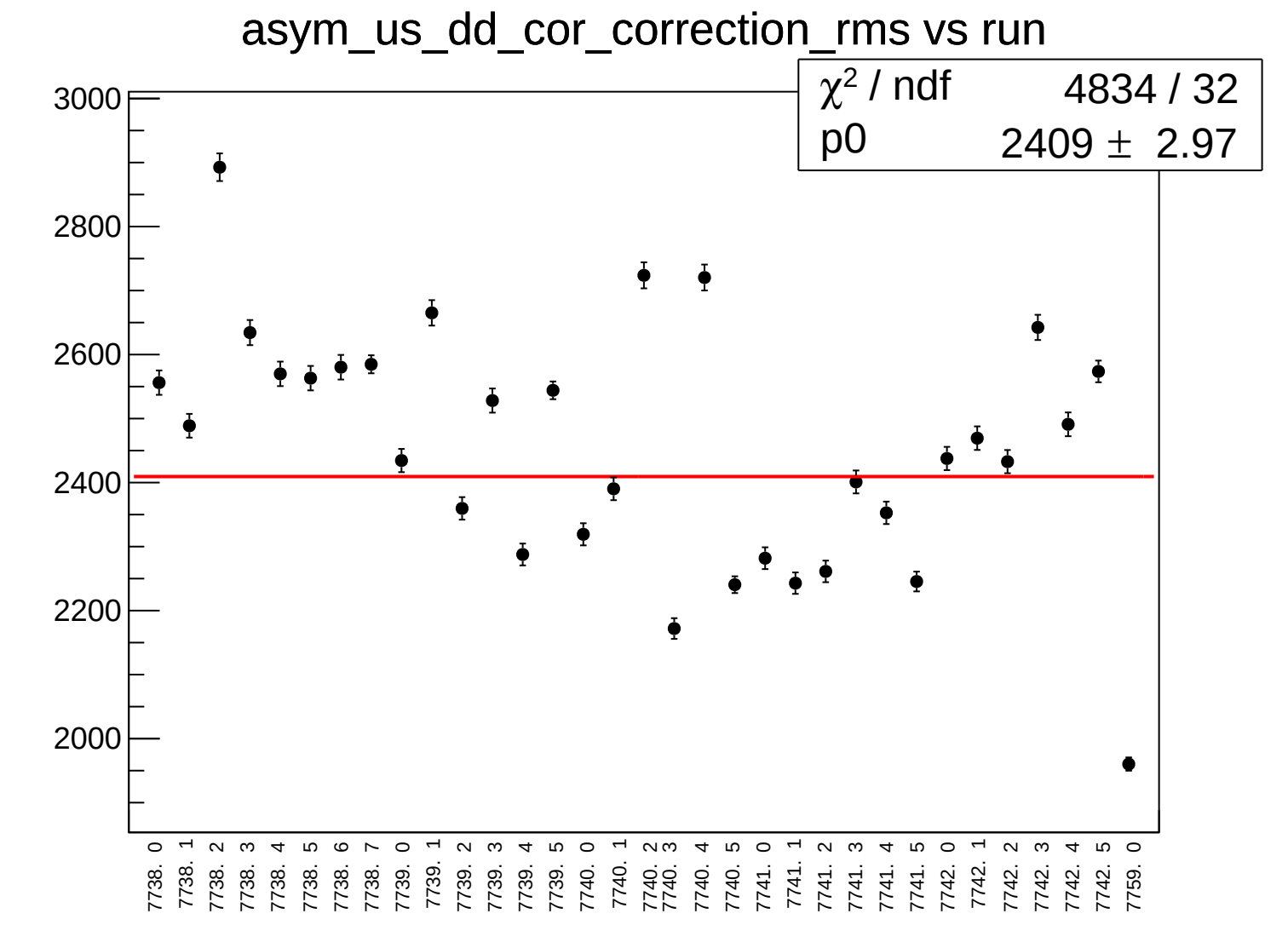

cor_asym_us_dd_mean vs run
χ² / ndf 36.46 / 32
p0 462.7 ± 1338
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −72.42
Std Dev 0
2
1
0
−1
−2

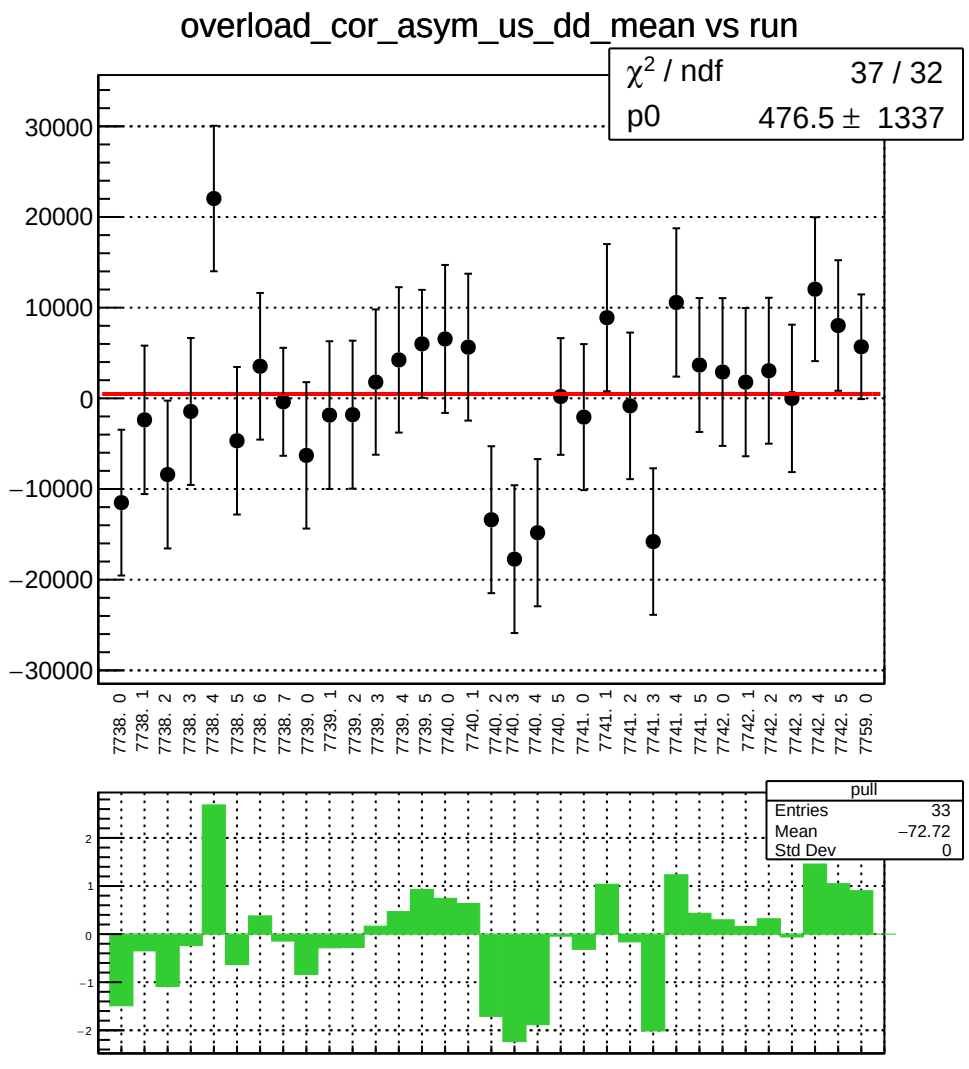

pull1D
Entries 33
Mean −0.02681
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

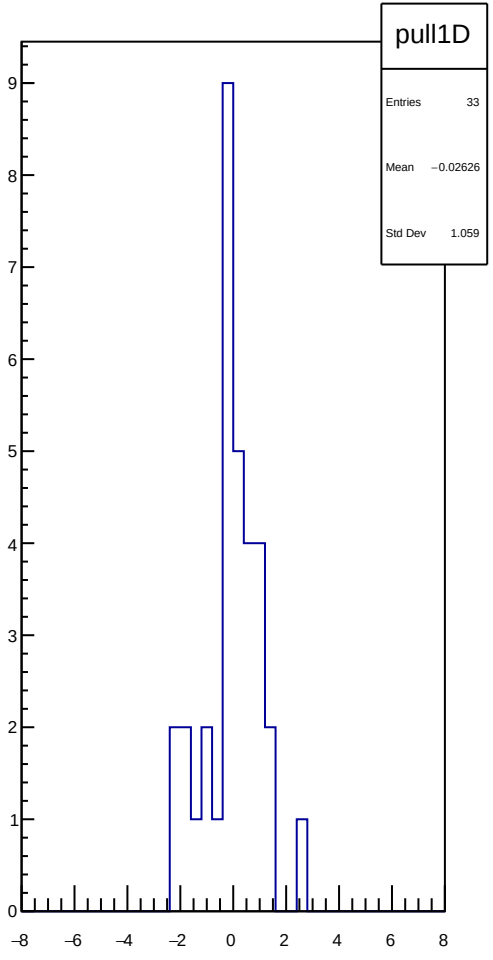

cor_asym_us_dd_rms vs run
χ² / ndf 40.19 / 32
p0 770.1 ± 0.946
785
780
775
770
765
760
755
750
745
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

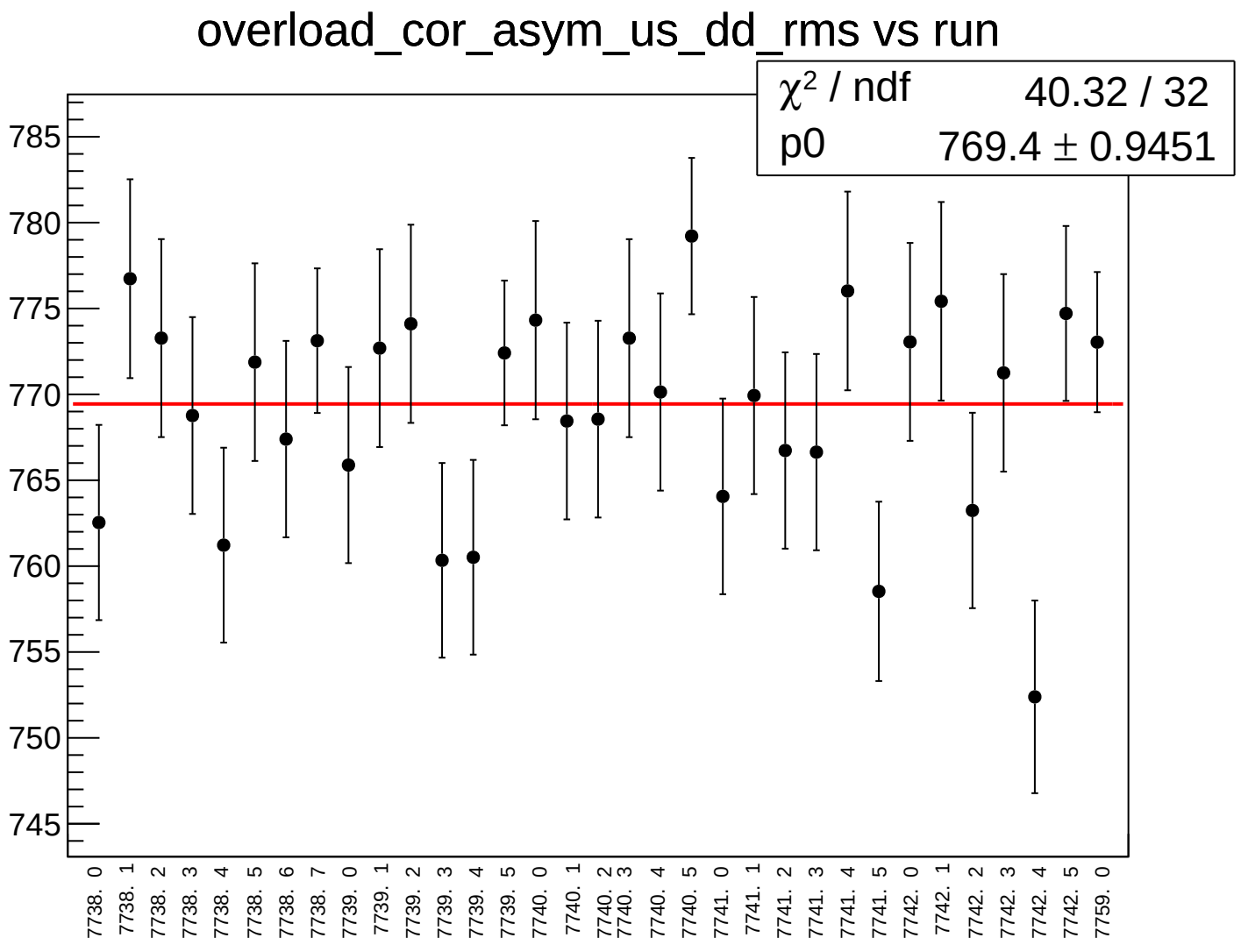

asym_us_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 31.63 / 32
p0 149.6 ± 4201
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −213.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

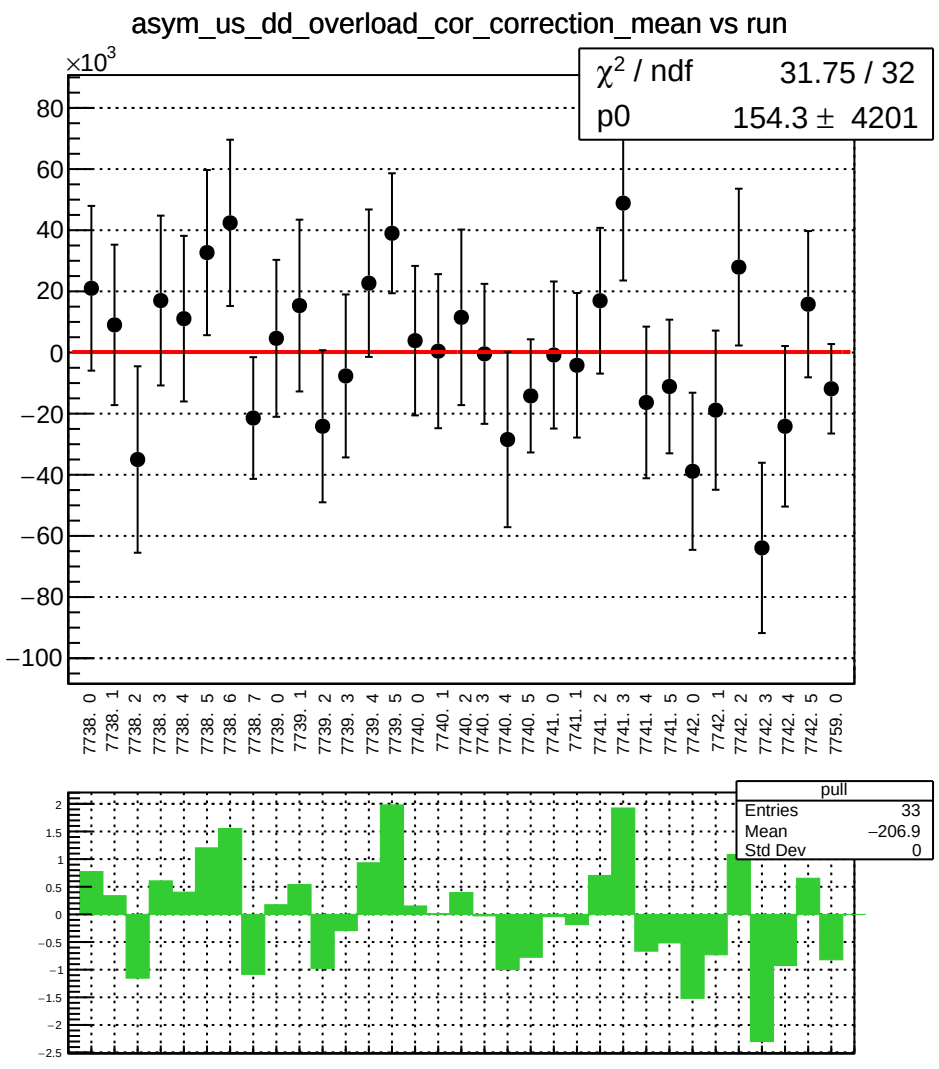

pull1D
Entries 33
Mean 0.01246
Std Dev 0.9789
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

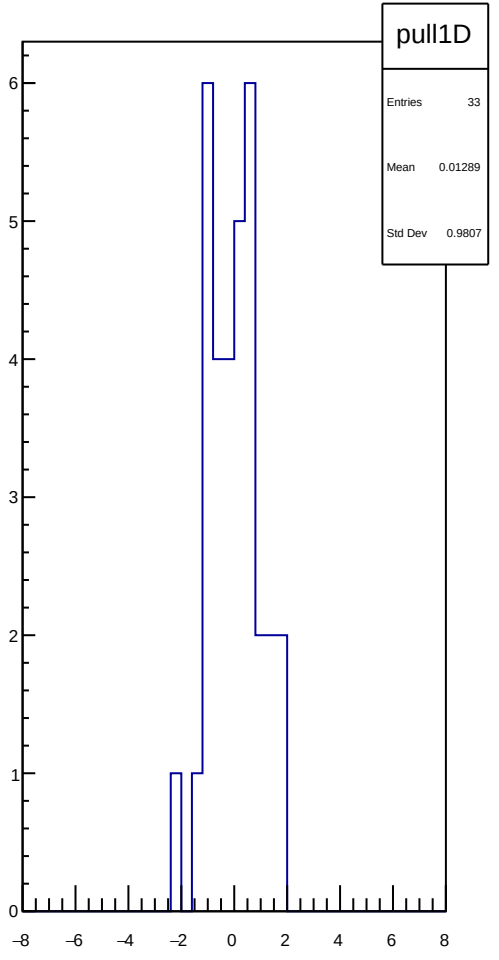

asym_us_dd_cor_correction_rms vs run
χ² / ndf 4834 / 32
p0 2409 ± 2.97
3000
2800
2600
2400
2200
2000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

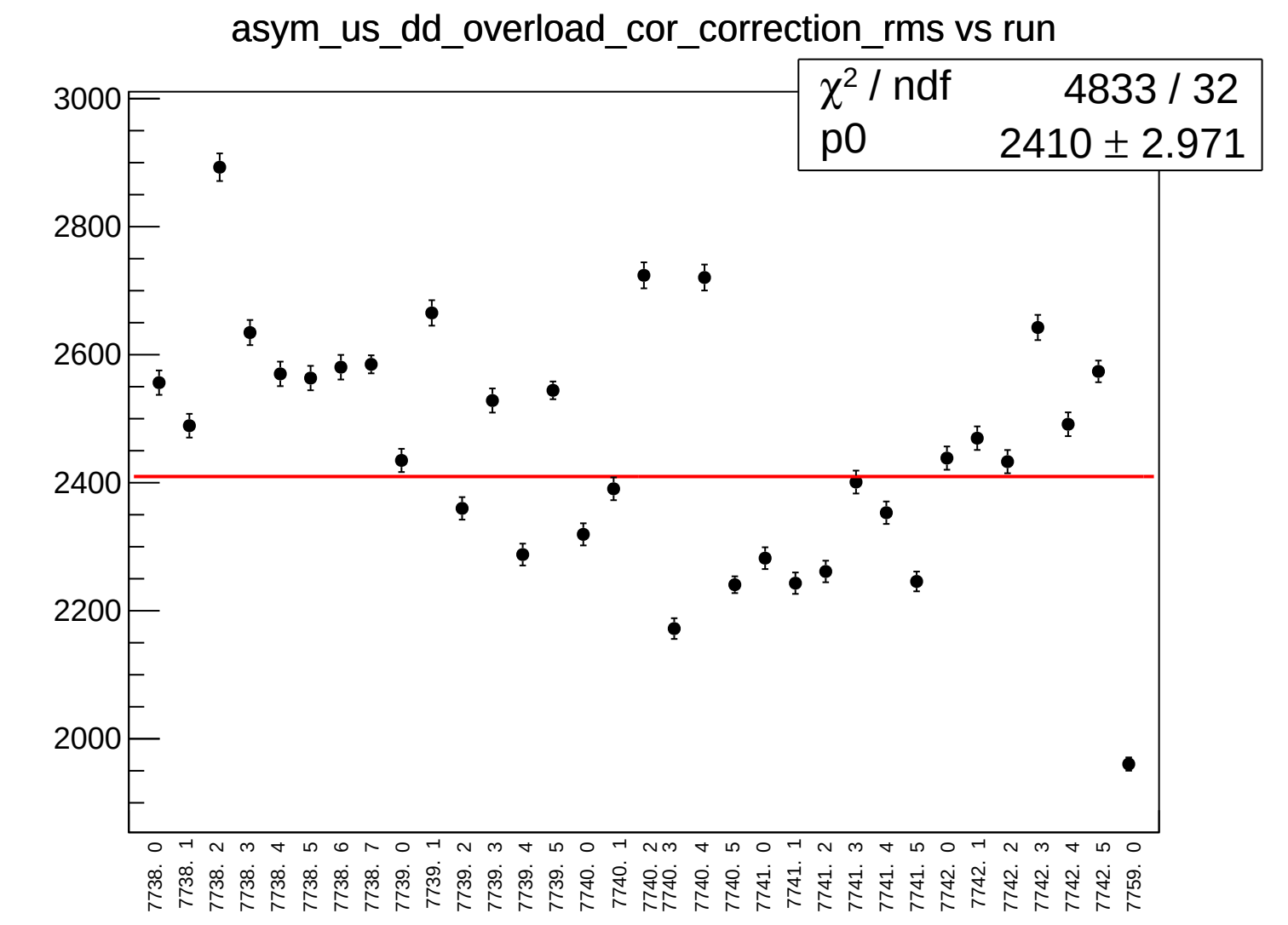

overload_cor_asym_us_dd_mean vs run
χ² / ndf 37 / 32
p0 476.5 ± 1337
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −72.72
Std Dev 0
2
1
0
−1
−2

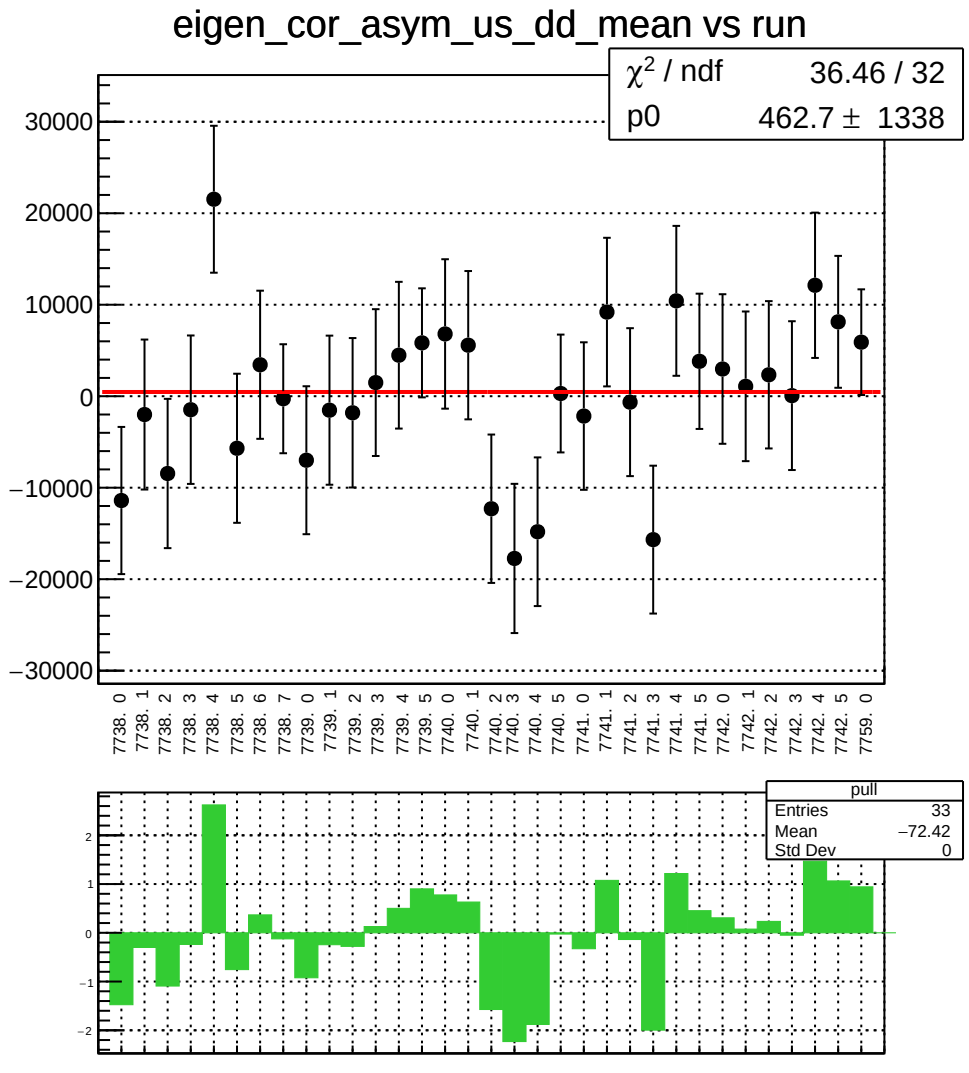

pull1D
Entries 33
Mean −0.02626
Std Dev 1.059
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

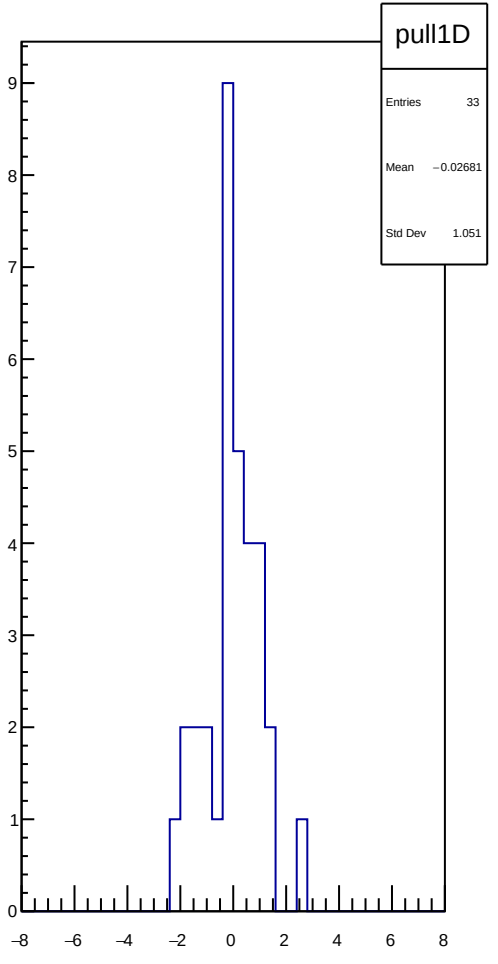

overload_cor_asym_us_dd_rms vs run
χ² / ndf 40.32 / 32
p0 769.4 ± 0.9451
785
780
775
770
765
760
755
750
745
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

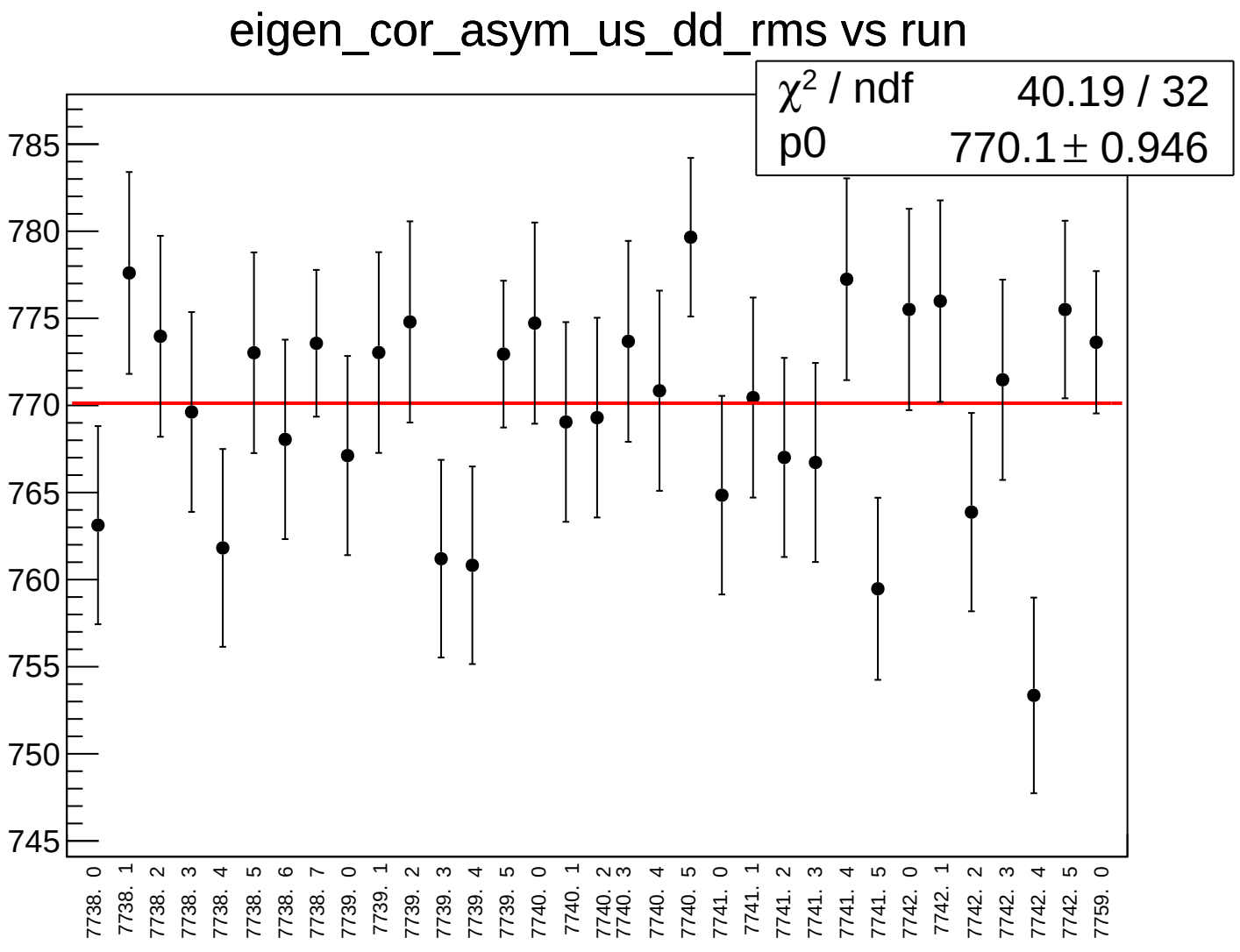

asym_us_dd_overload_cor_correction_mean vs run
×10^3
χ^2 / ndf 31.75 / 32
p0 154.3 ± 4201
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −206.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

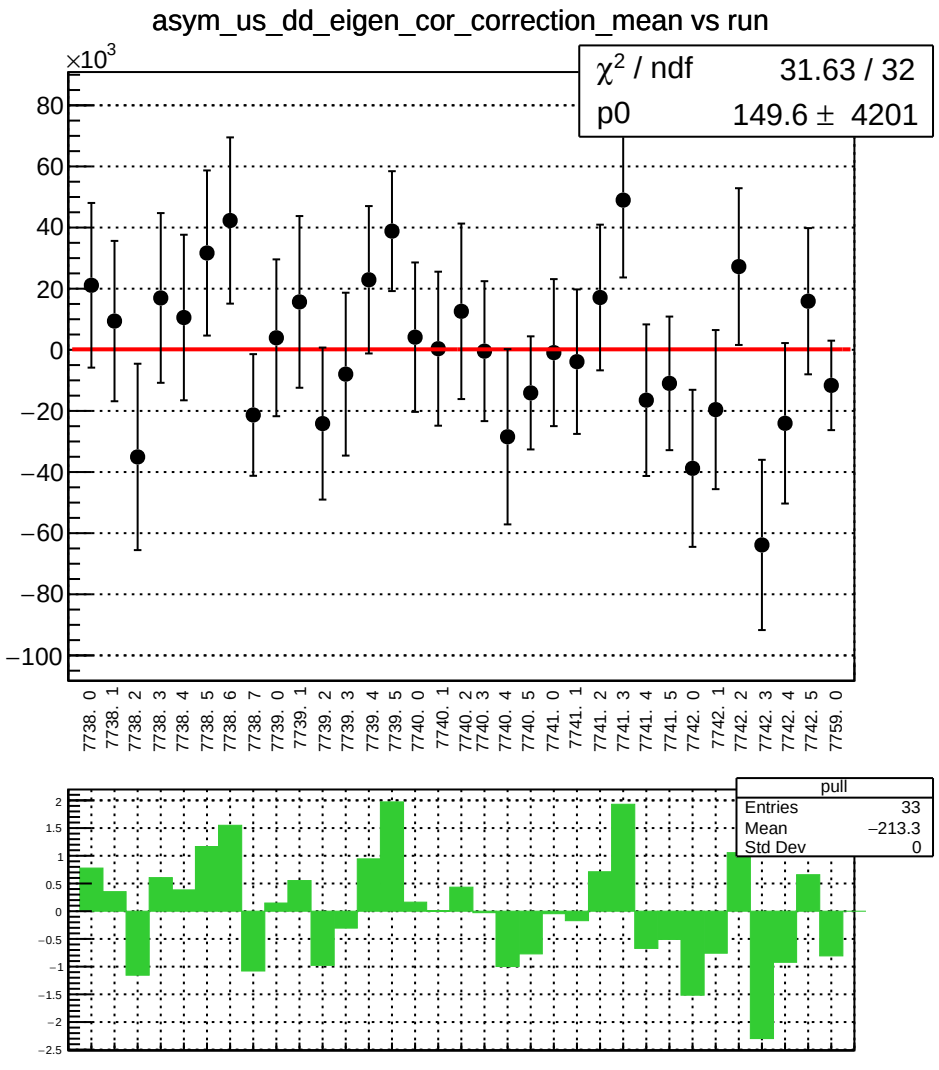

pull1D
Entries 33
Mean 0.01289
Std Dev 0.9807
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

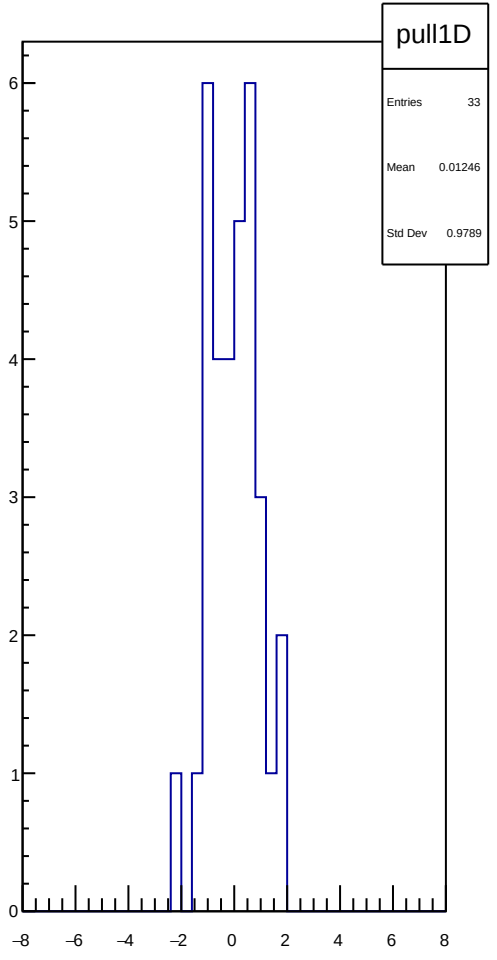

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 4833 / 32
p0 2410 ± 2.971
3000
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

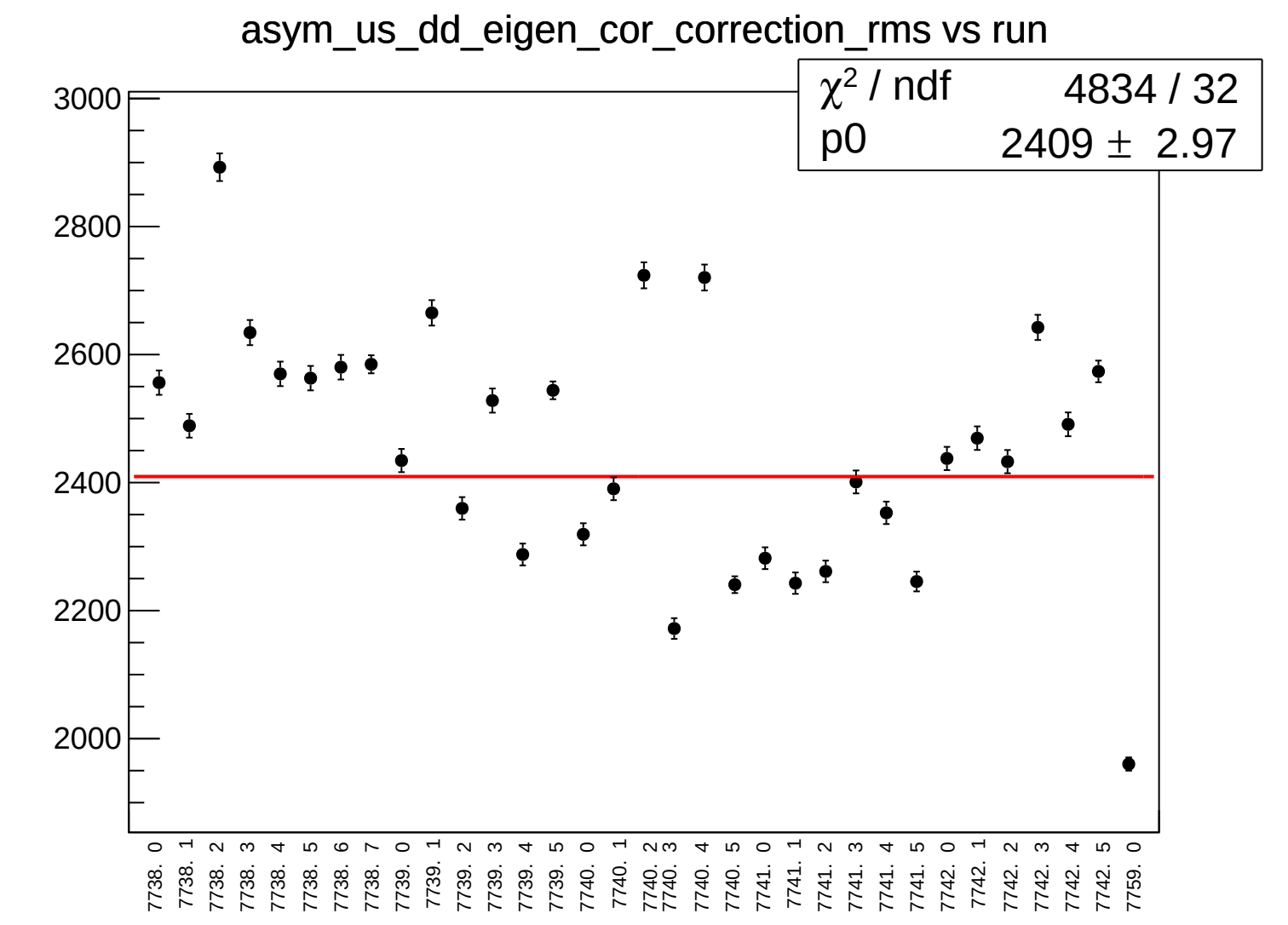

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 36.46 / 32
p0 462.7 ± 1338
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −72.42
Std Dev 0
2
1
0
−1
−2

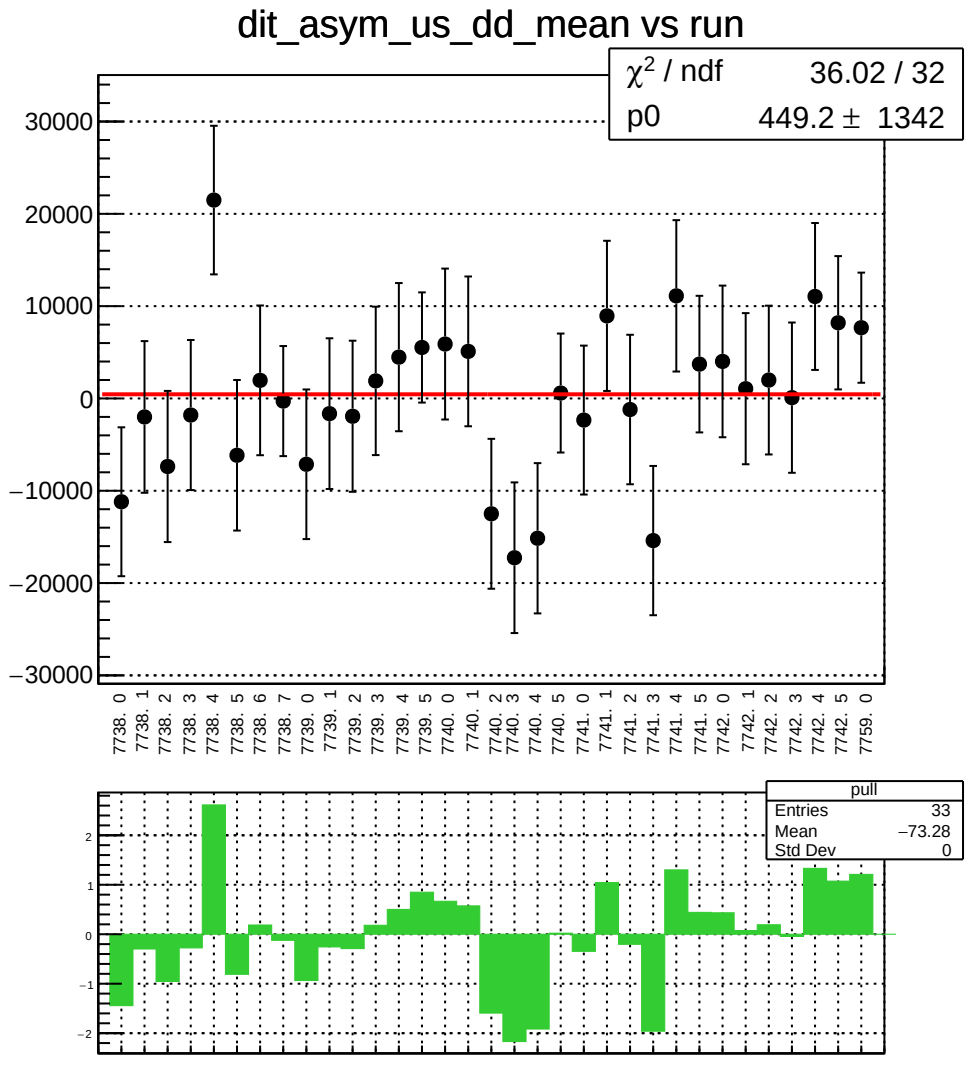

pull1D
Entries 33
Mean −0.02681
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

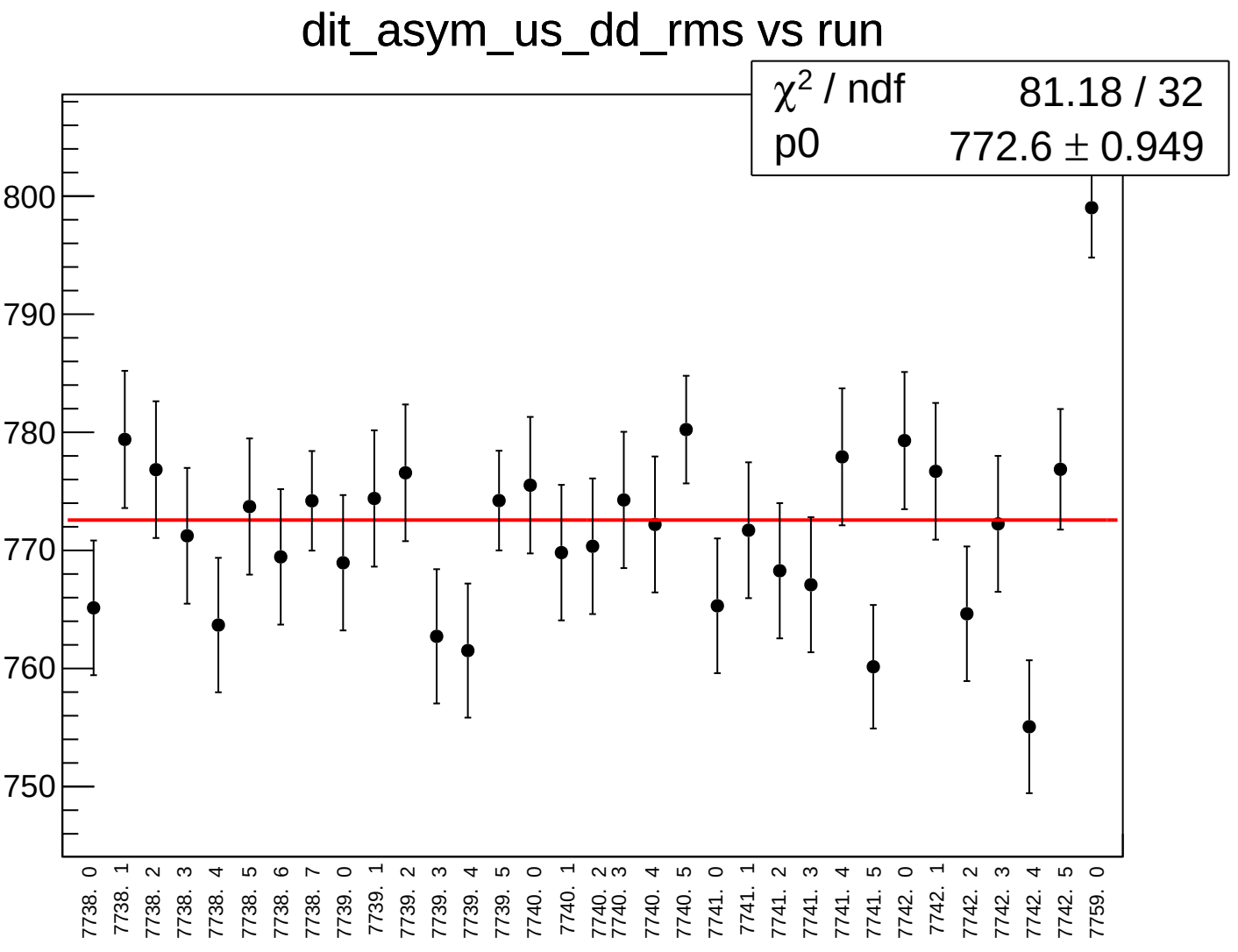

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 40.19 / 32
p0 770.1 ± 0.946
785
780
775
770
765
760
755
750
745
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

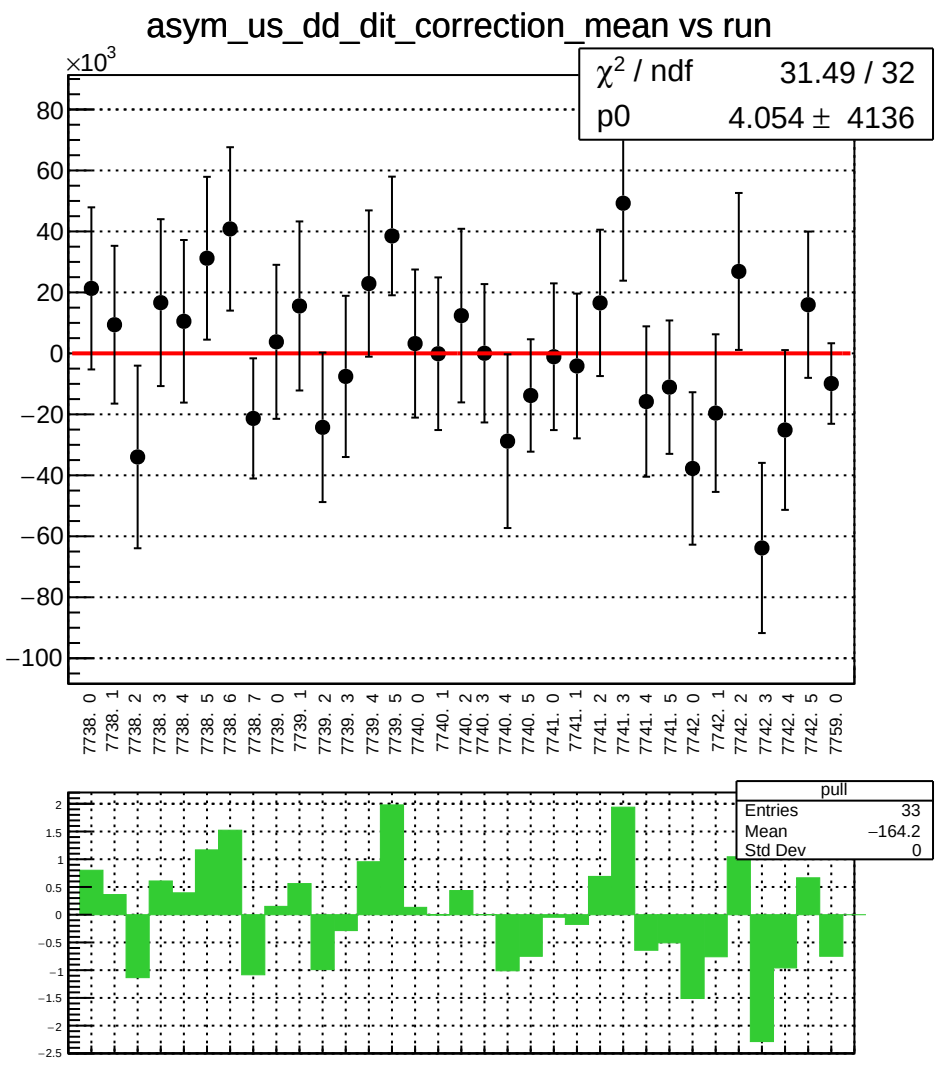

asym_us_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.63 / 32
p0 149.6 ± 4201
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −213.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

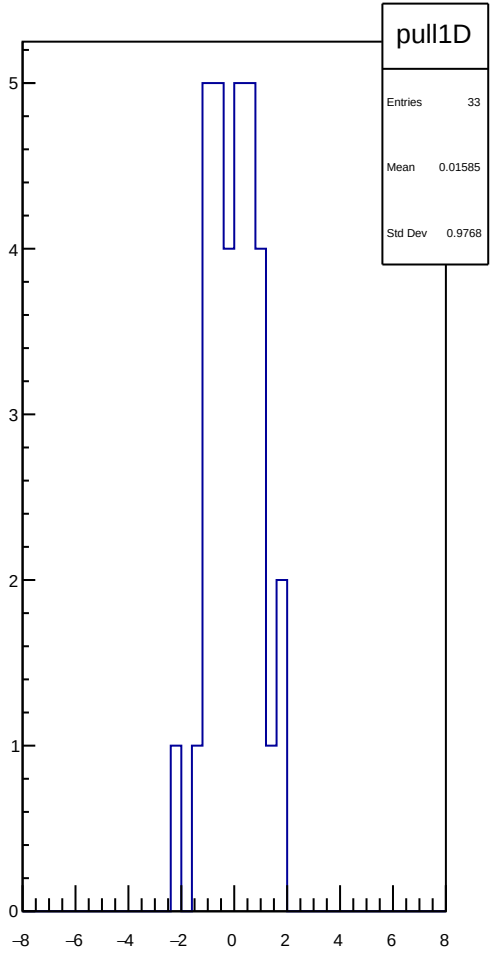

pull1D
Entries 33
Mean 0.01246
Std Dev 0.9789
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

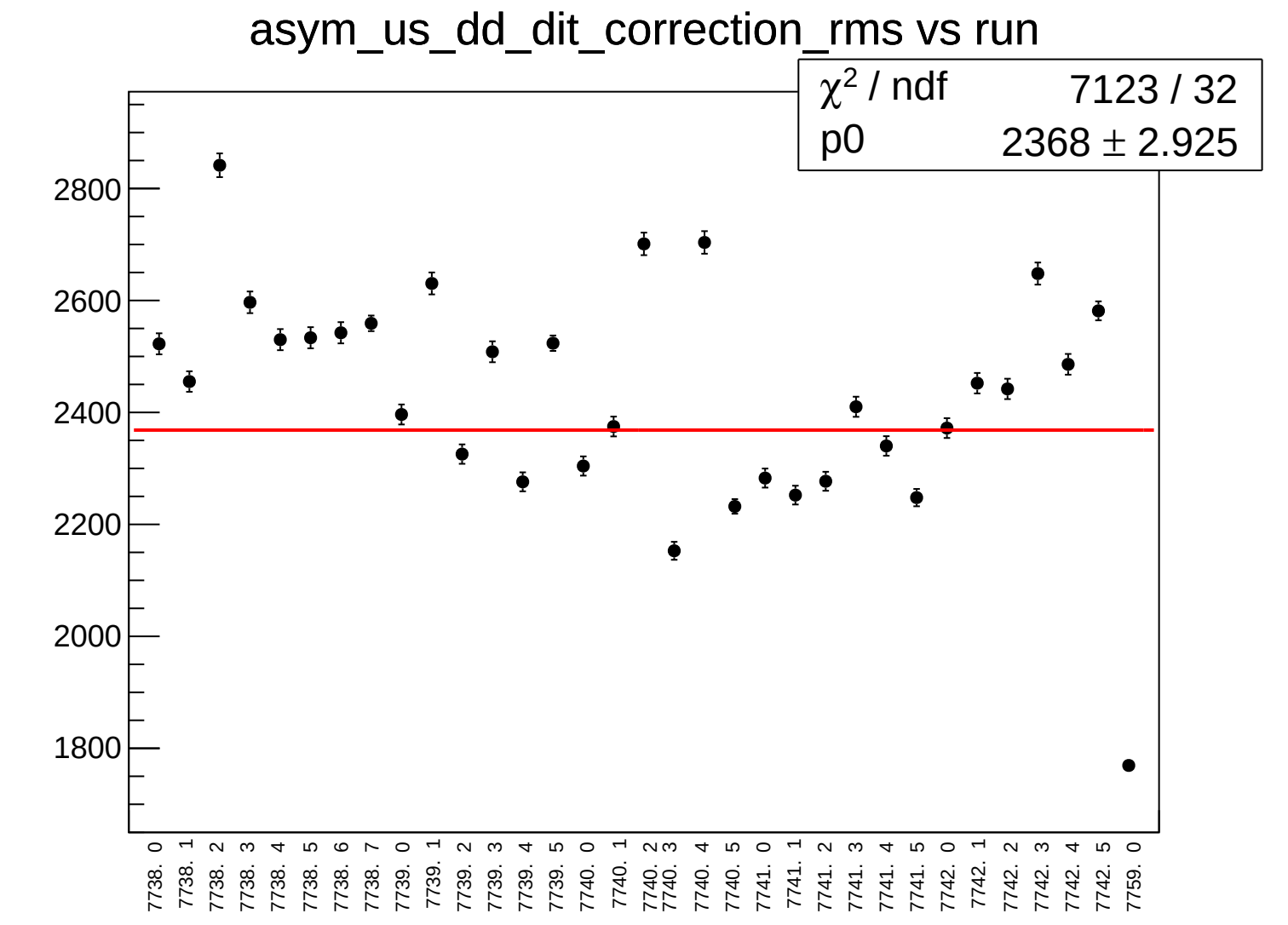

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 4834 / 32
p0 2409 ± 2.97
3000
2800
2600
2400
2200
2000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

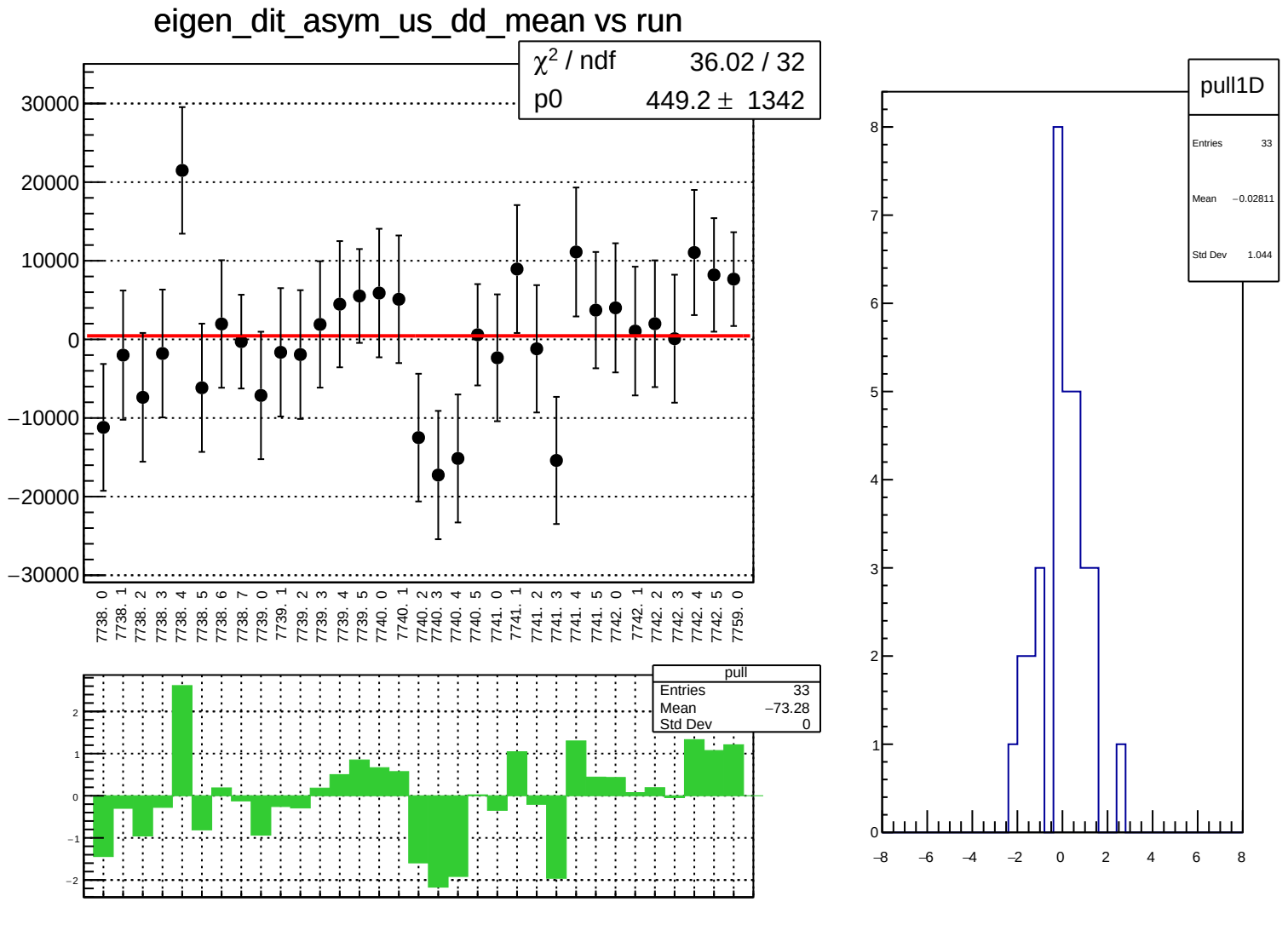

dit_asym_us_dd_mean vs run
χ² / ndf 36.02 / 32
p0 449.2 ± 1342
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −73.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02811
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

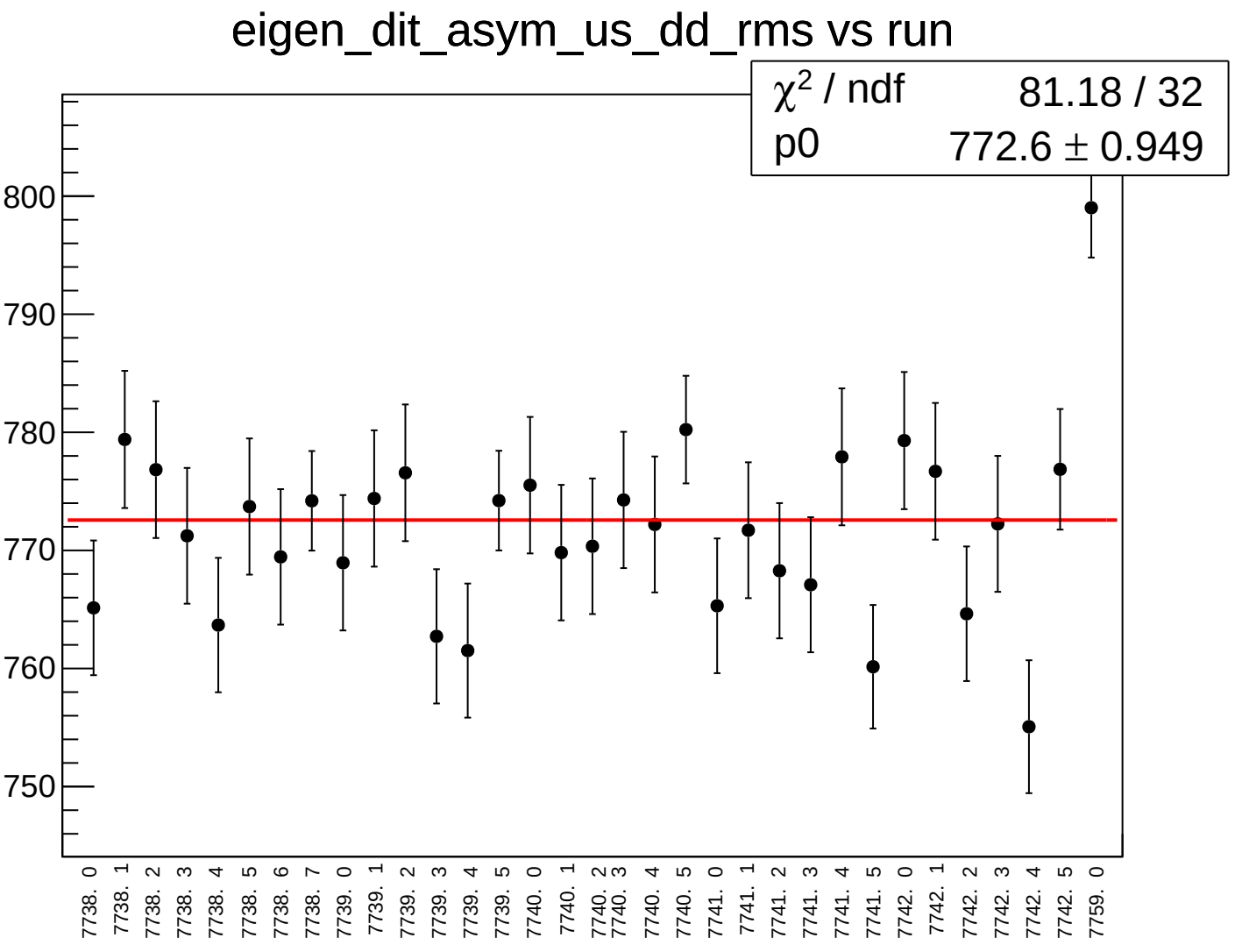

dit_asym_us_dd_rms vs run
χ^2 / ndf 81.18 / 32
p0 772.6 ± 0.949
800
790
780
770
760
750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

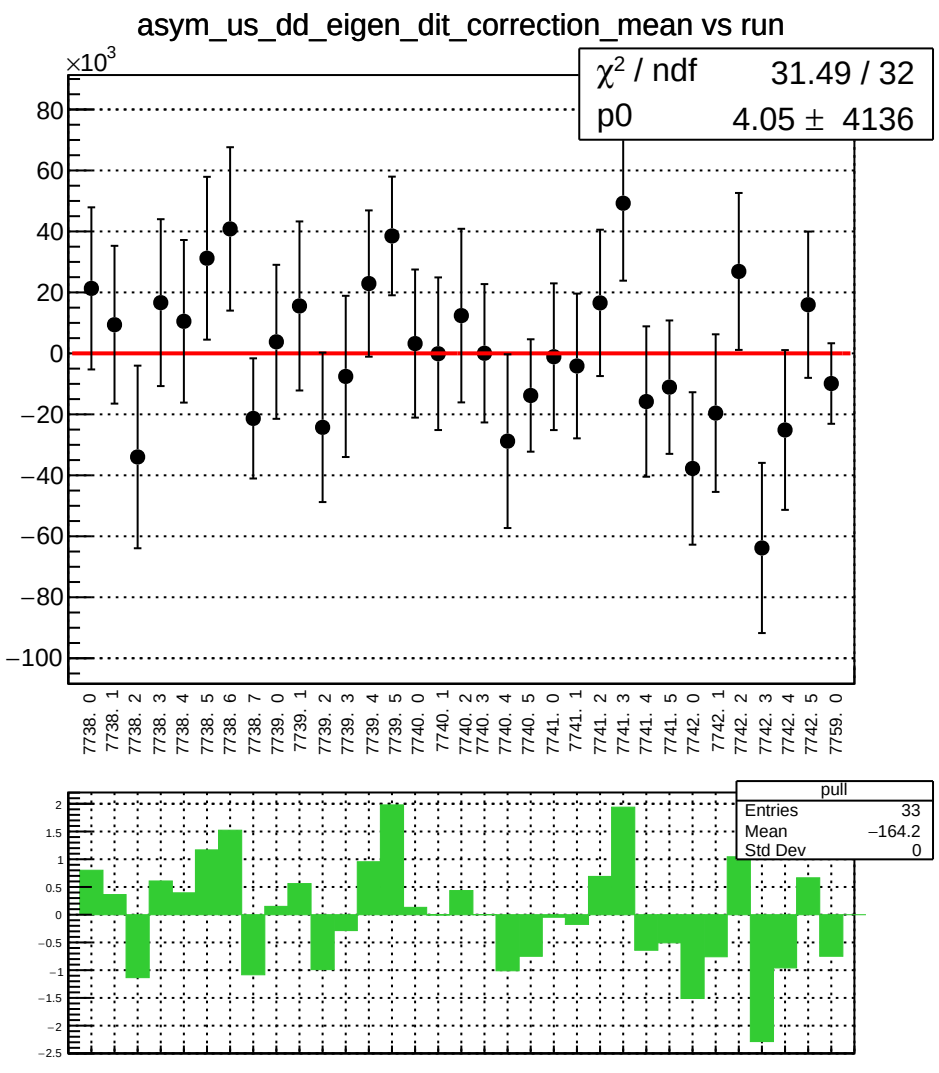

asym_us_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 31.49 / 32
p0 4.054 ± 4136
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −164.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

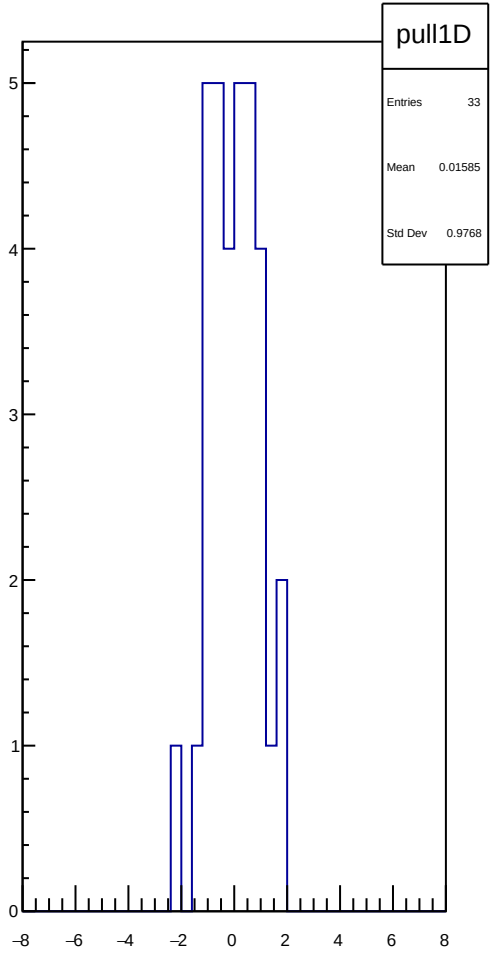

pull1D
Entries 33
Mean 0.01585
Std Dev 0.9768
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

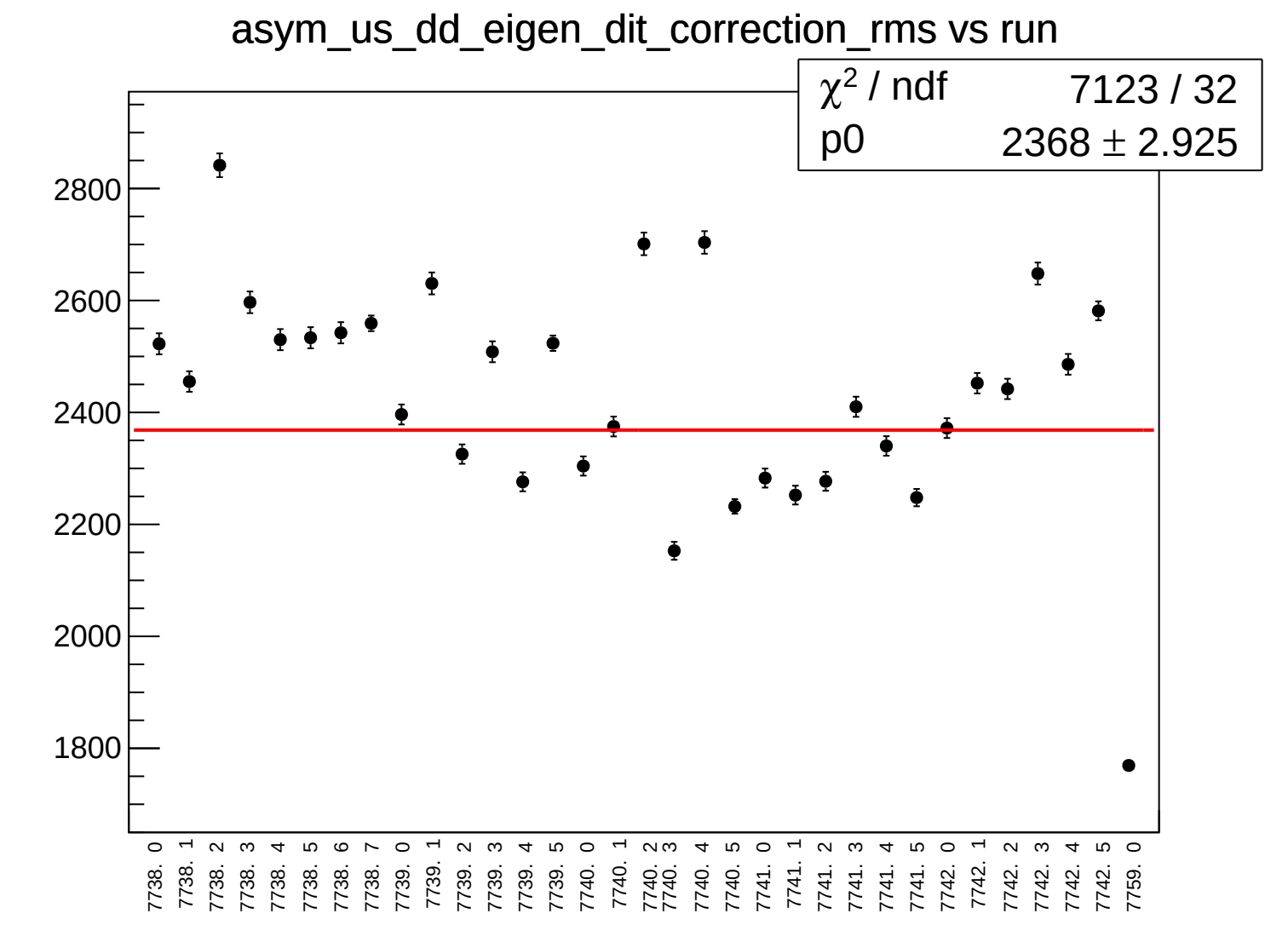

asym_us_dd_dit_correction_rms vs run
χ² / ndf 7123 / 32
p0 2368 ± 2.925
2800
2600
2400
2200
2000
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

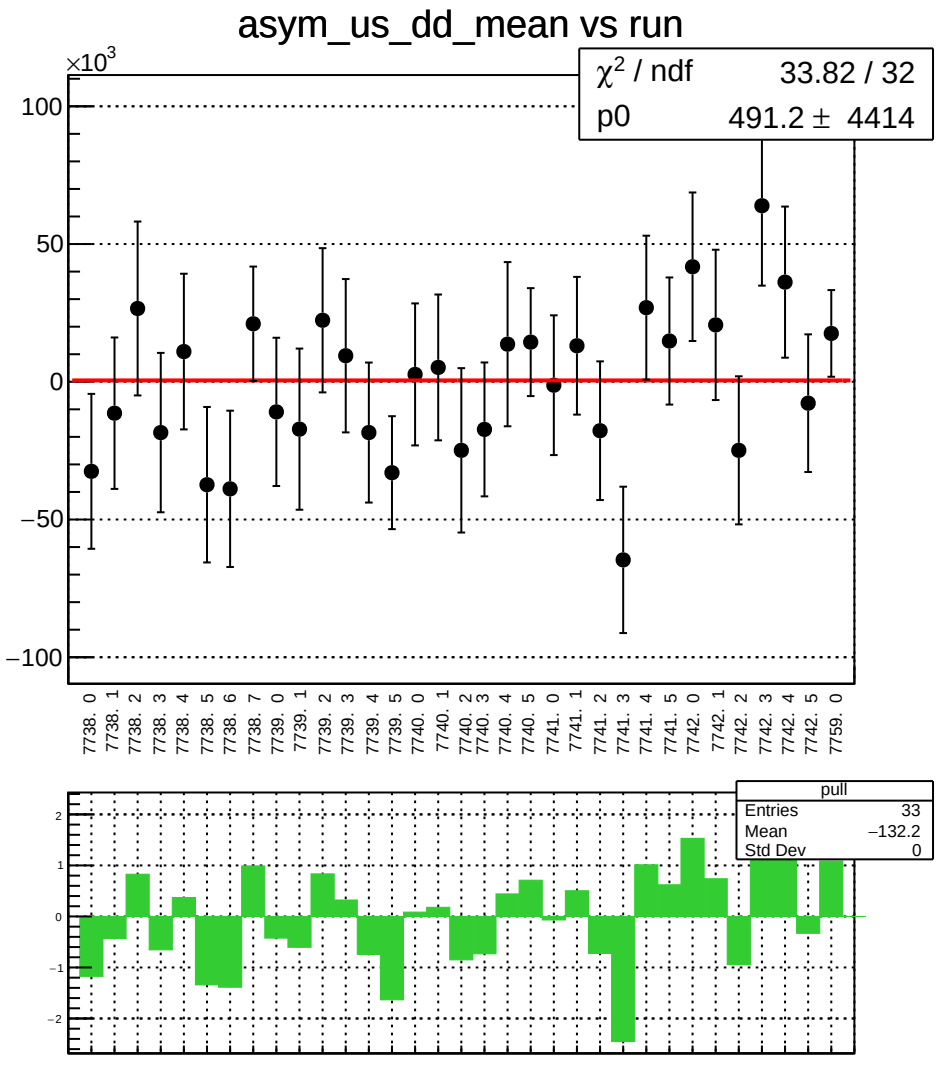

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 36.02 / 32
p0 449.2 ± 1342
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −73.28
Std Dev 0
pull1D
Entries 33
Mean −0.02811
Std Dev 1.044

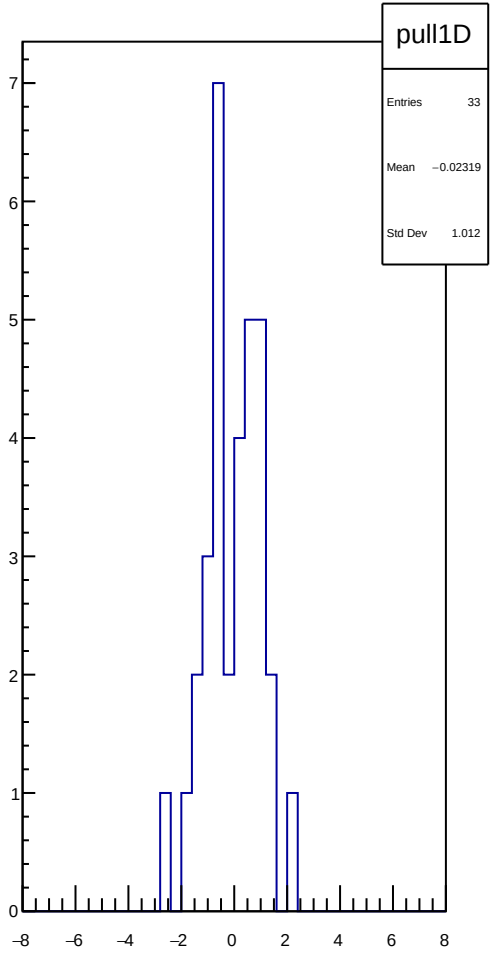

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 81.18 / 32
p0 772.6 ± 0.949
800
790
780
770
760
750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

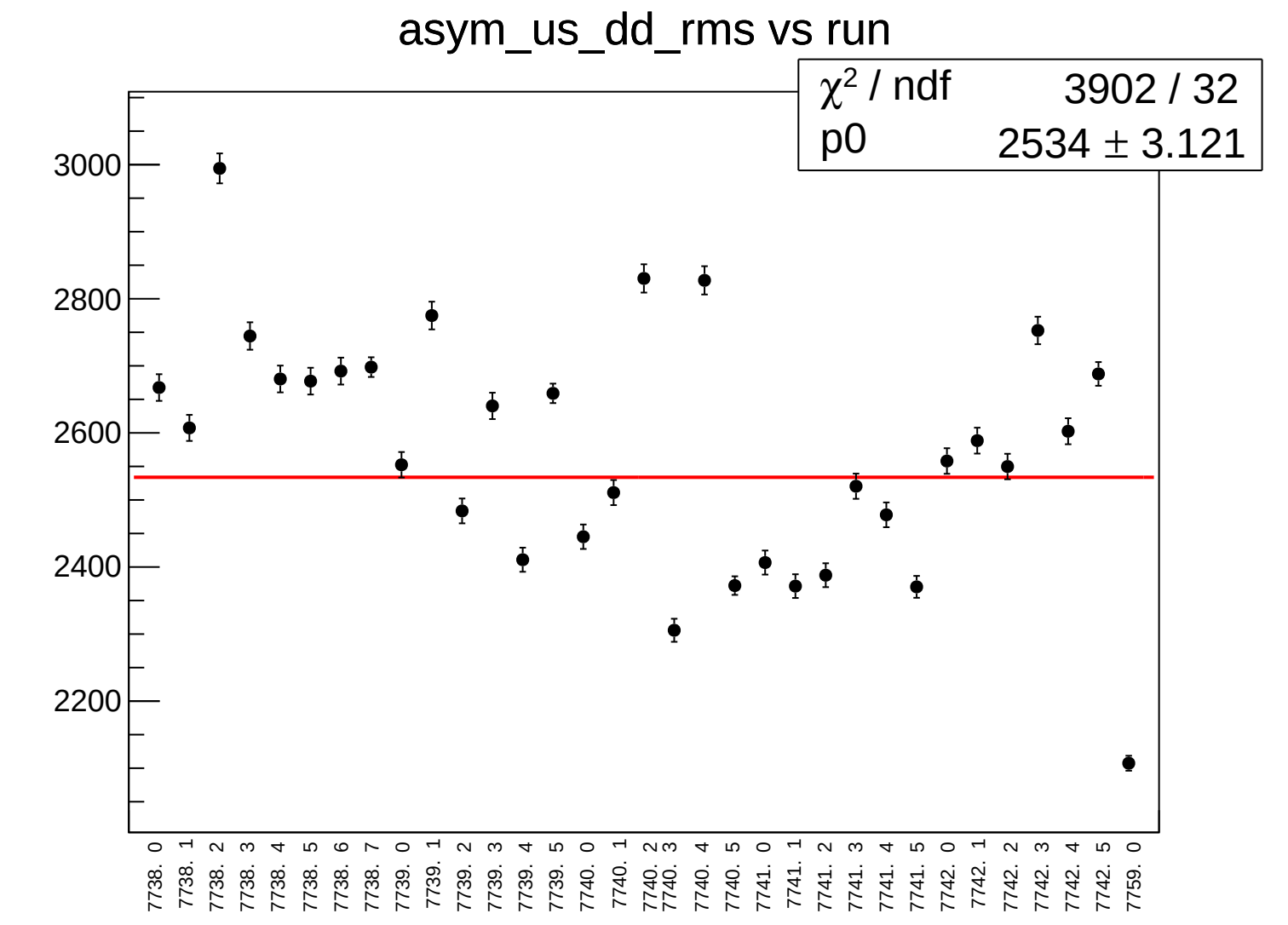

asym_us_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 31.49 / 32
p0 4.05 ± 4136
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −164.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

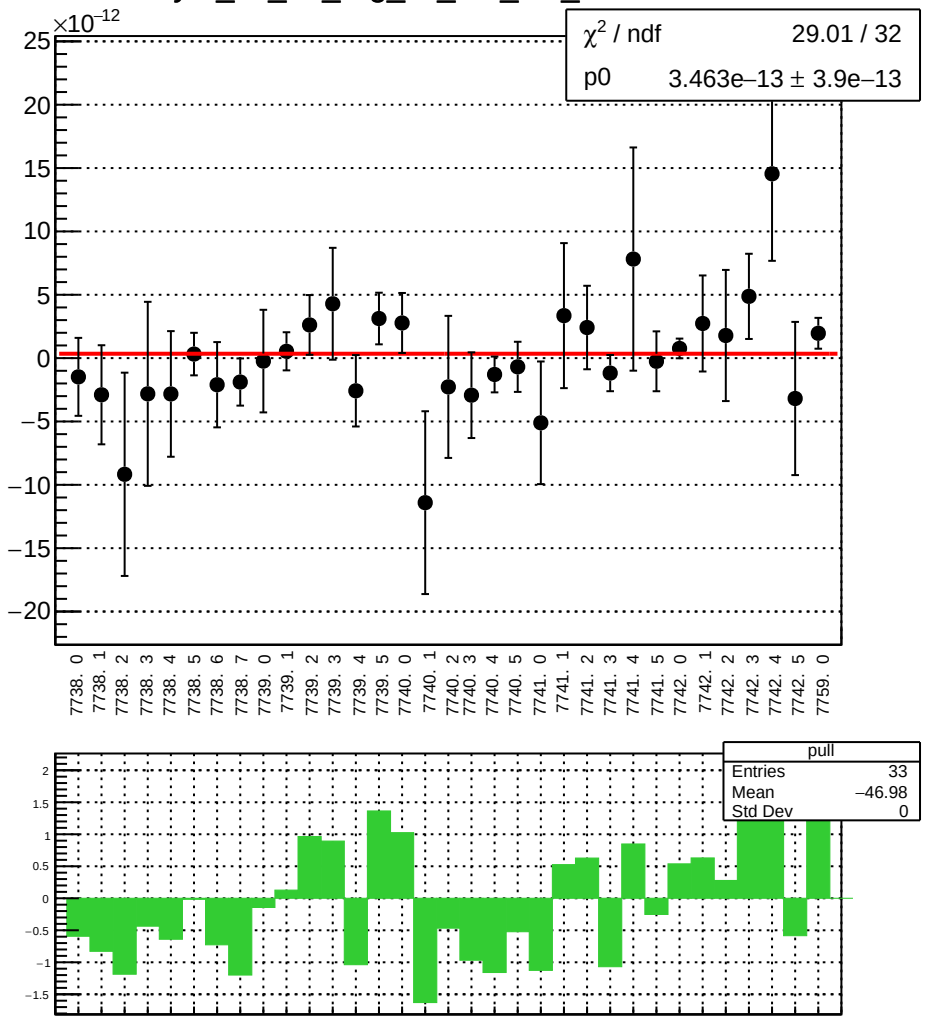

pull1D
Entries 33
Mean 0.01585
Std Dev 0.9768
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

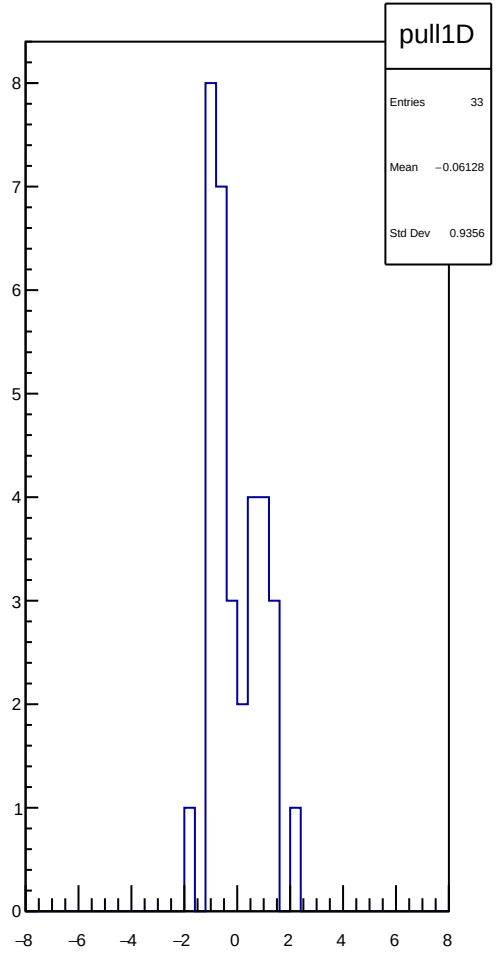

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 7123 / 32
p0 2368 ± 2.925
2800
2600
2400
2200
2000
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

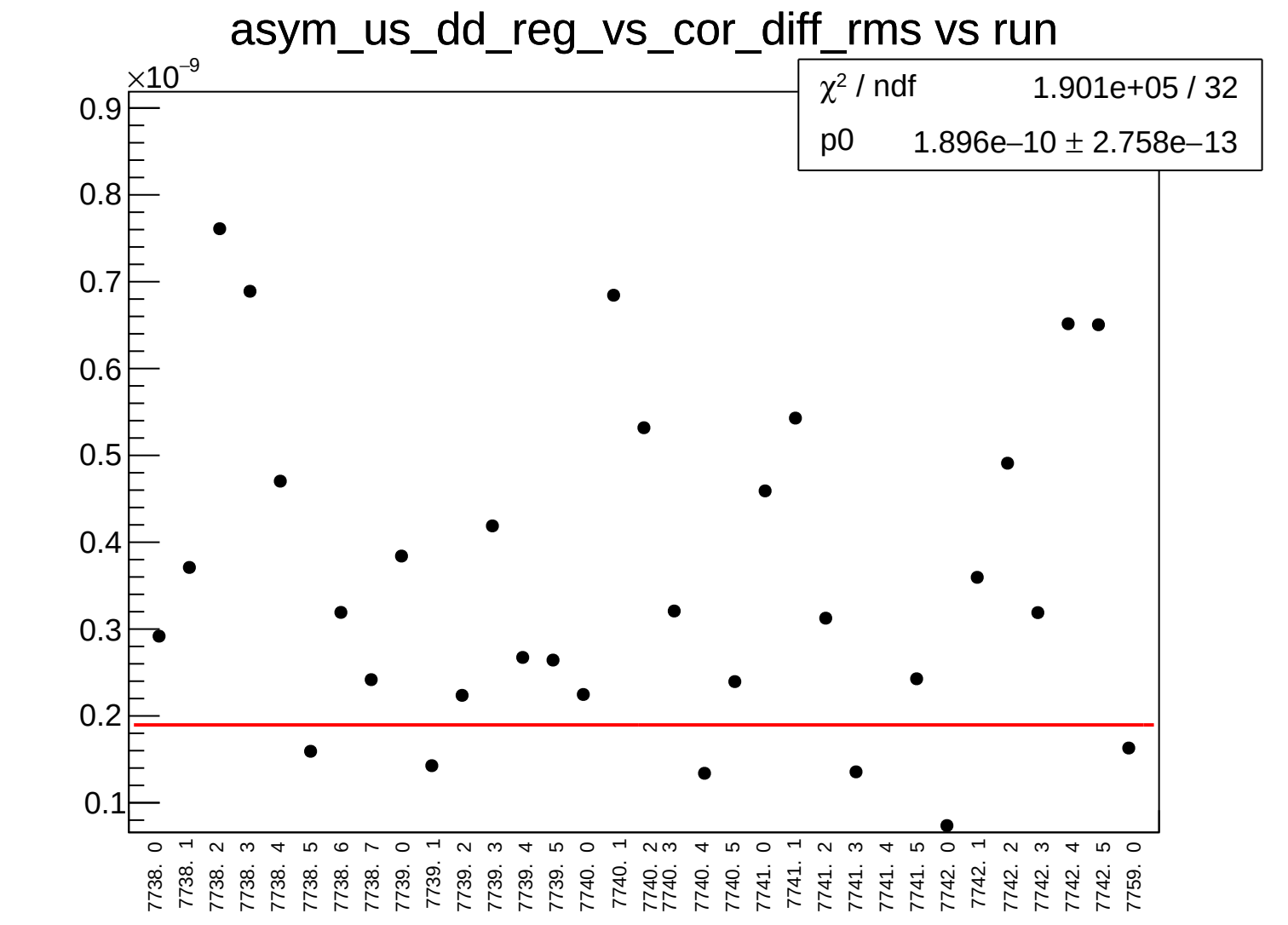

asym_us_dd_mean vs run
×10^3
χ^2 / ndf 33.82 / 32
p0 491.2 ± 4414
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −132.2
Std Dev 0
2
1
0
−1
−2

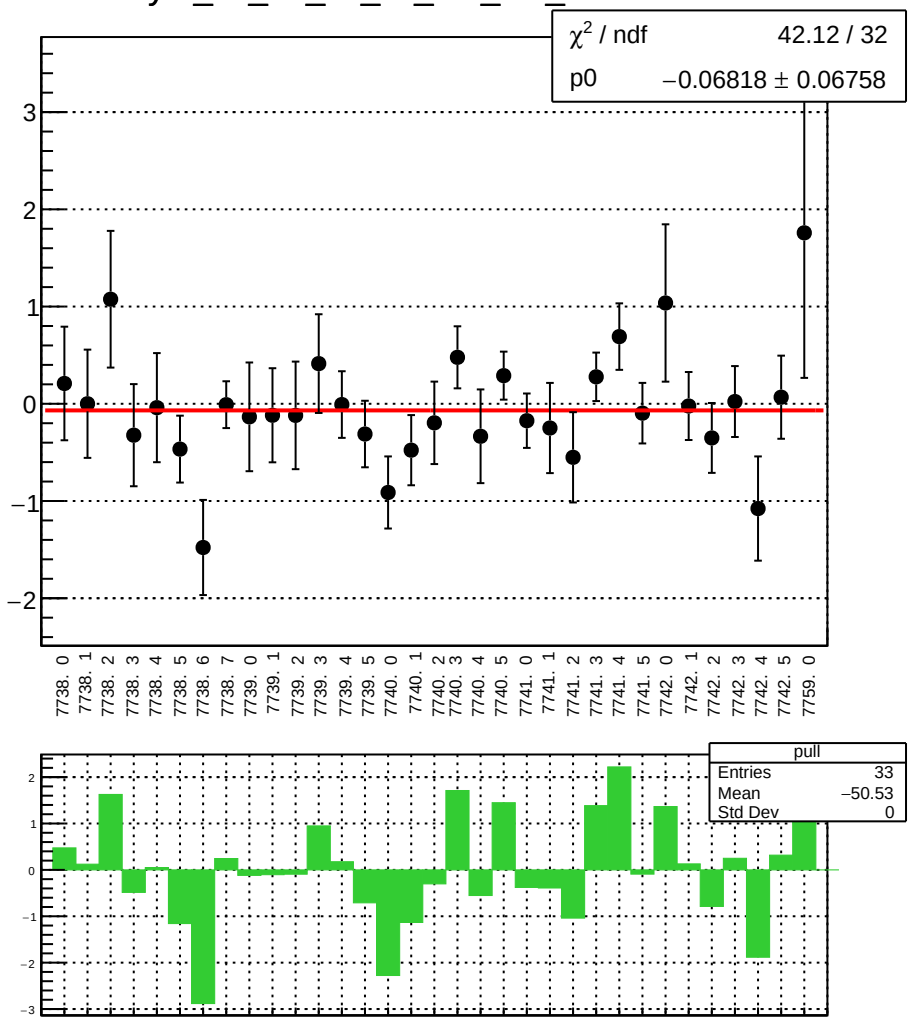

pull1D
Entries 33
Mean −0.02319
Std Dev 1.012
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

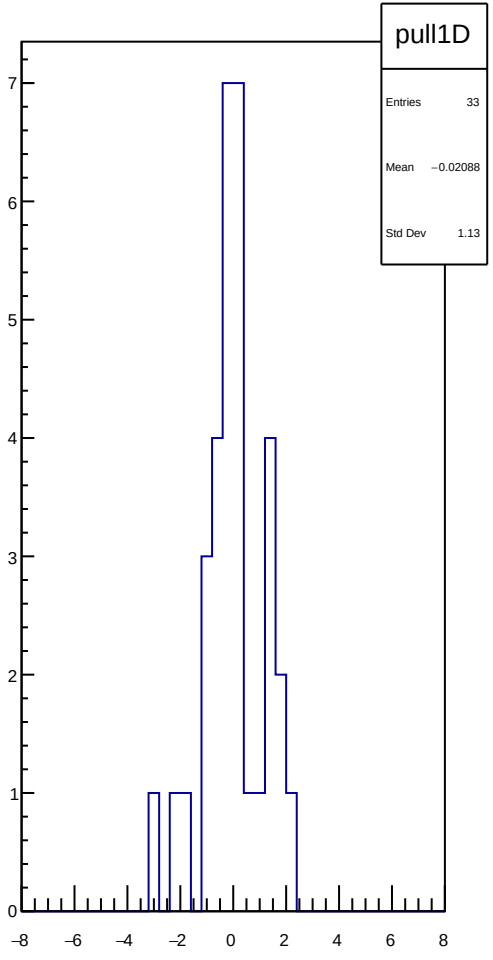

asym_us_dd_rms vs run
χ² / ndf 3902 / 32
p0 2534 ± 3.121
3000
2800
2600
2400
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

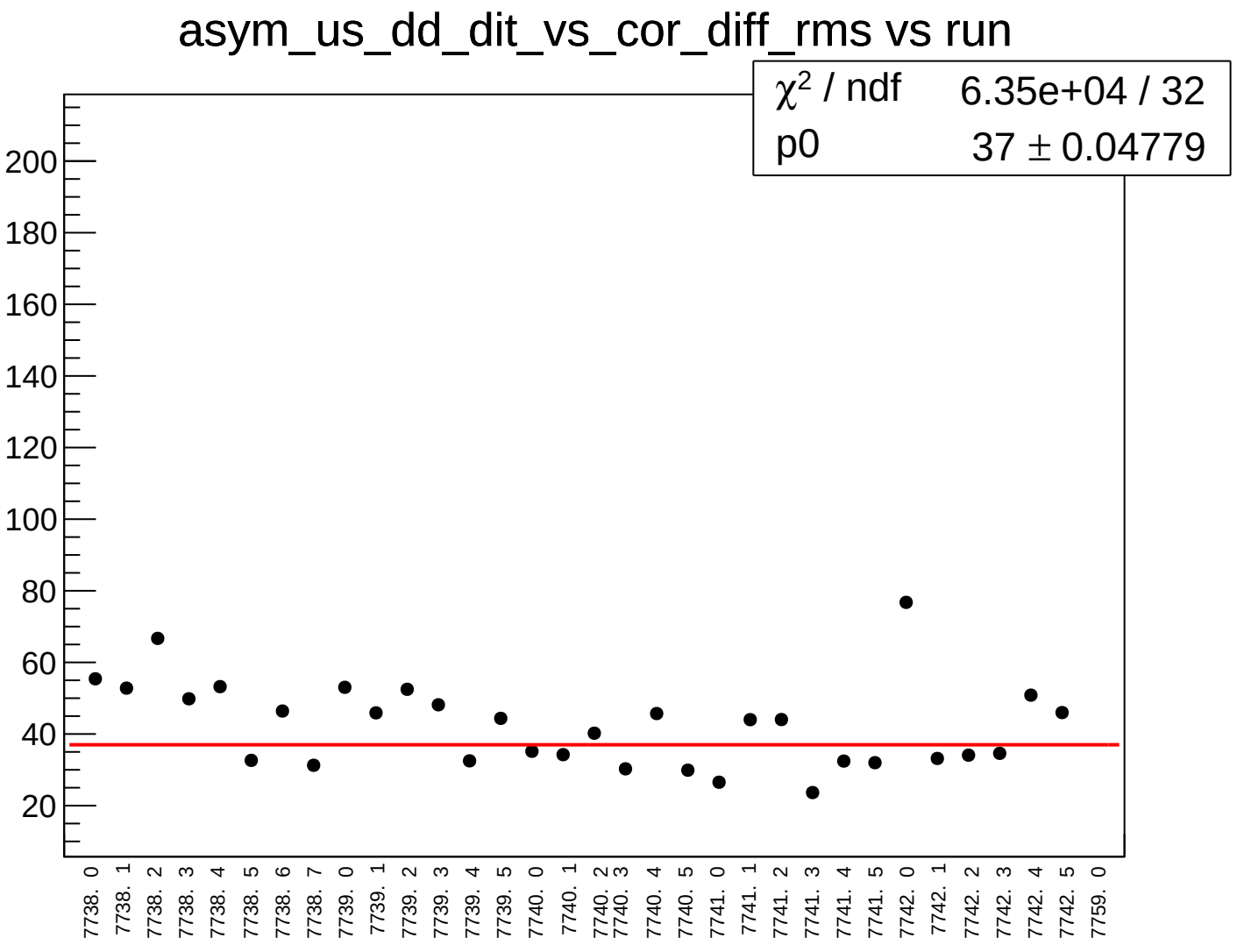

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 29.01 / 32
p0 3.463e−13 ± 3.9e−13
pull
Entries 33
Mean −46.98
Std Dev 0

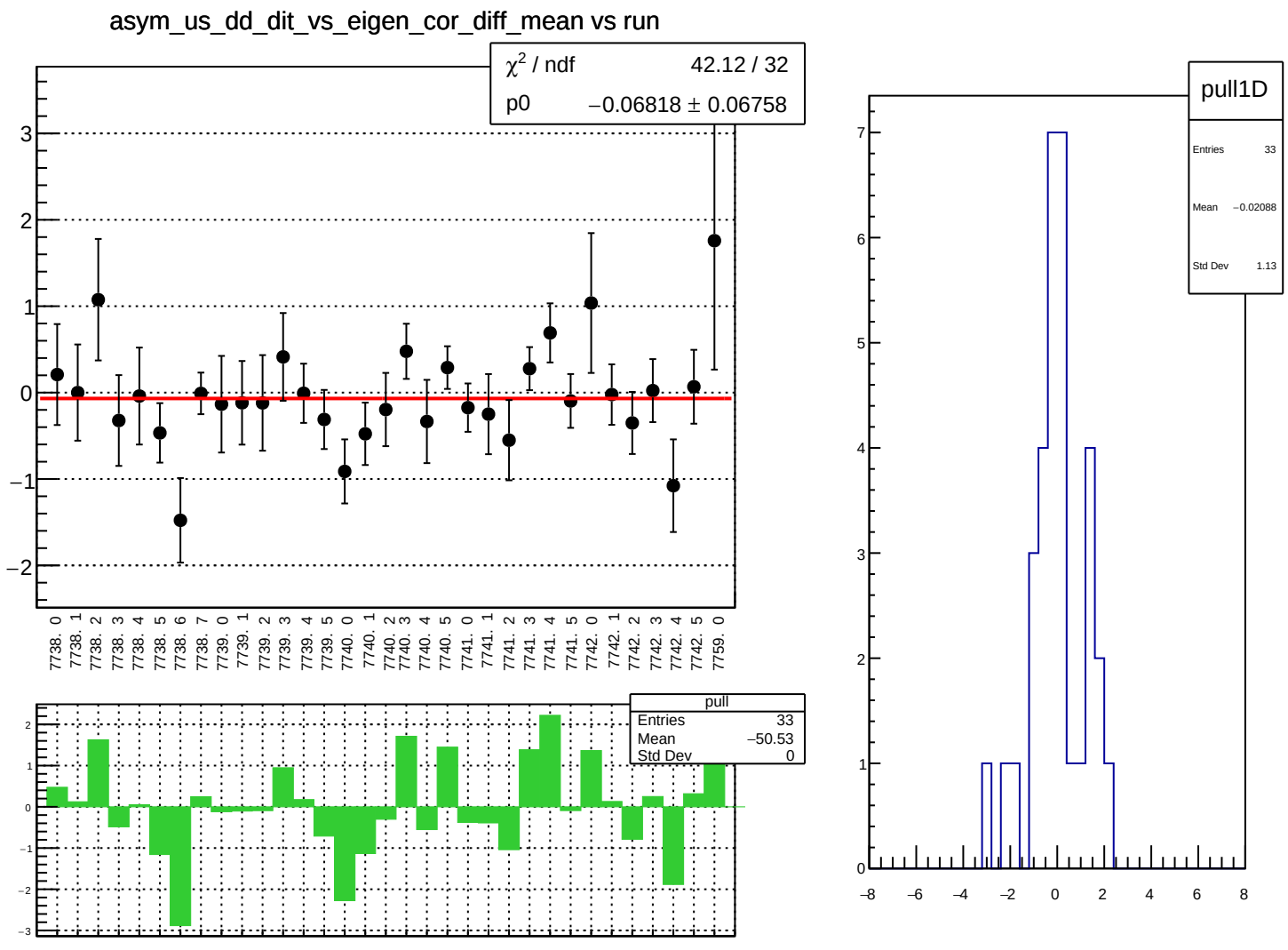

pull1D
Entries 33
Mean −0.06128
Std Dev 0.9356

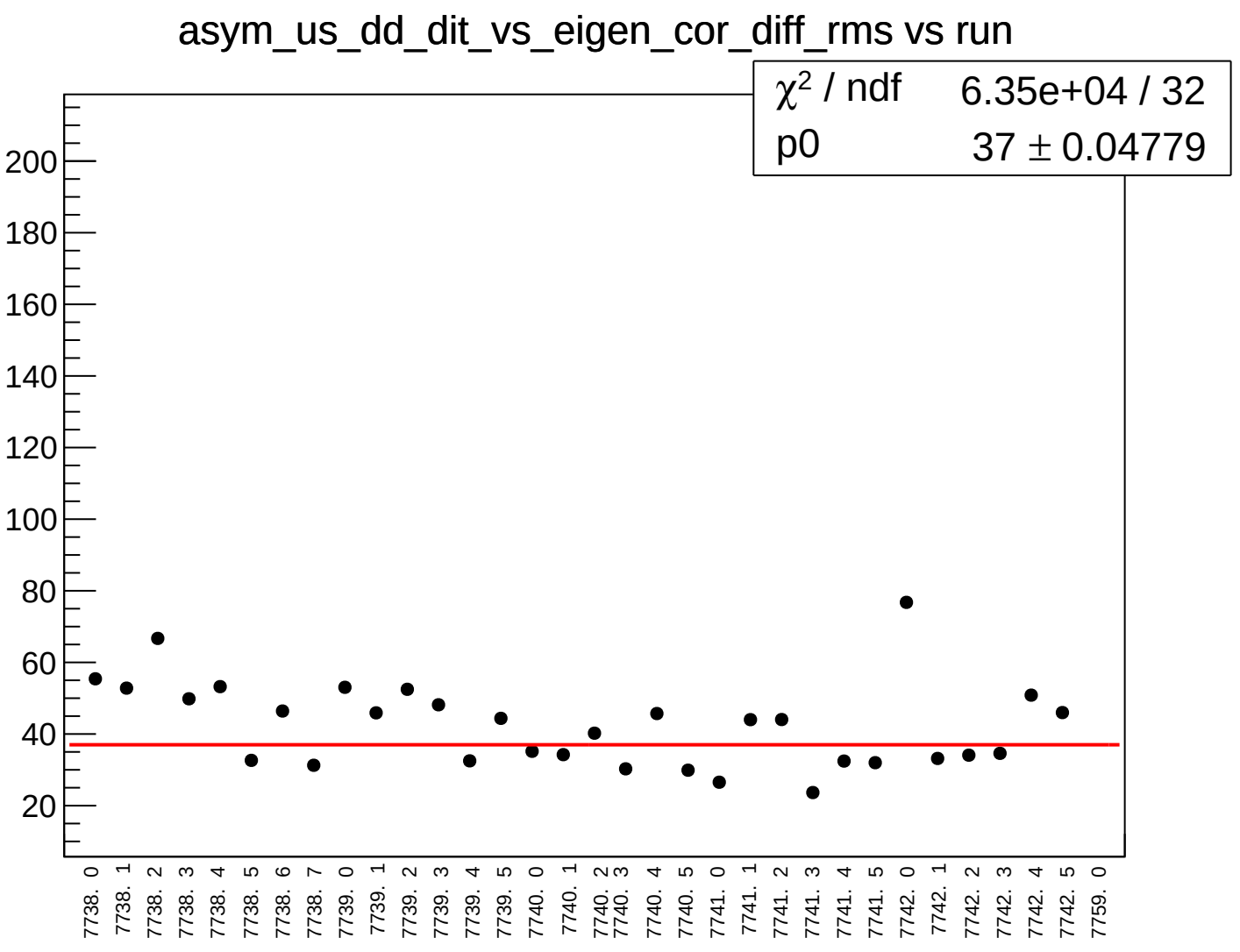

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.901e+05 / 32
p0 1.896e−10 ± 2.758e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

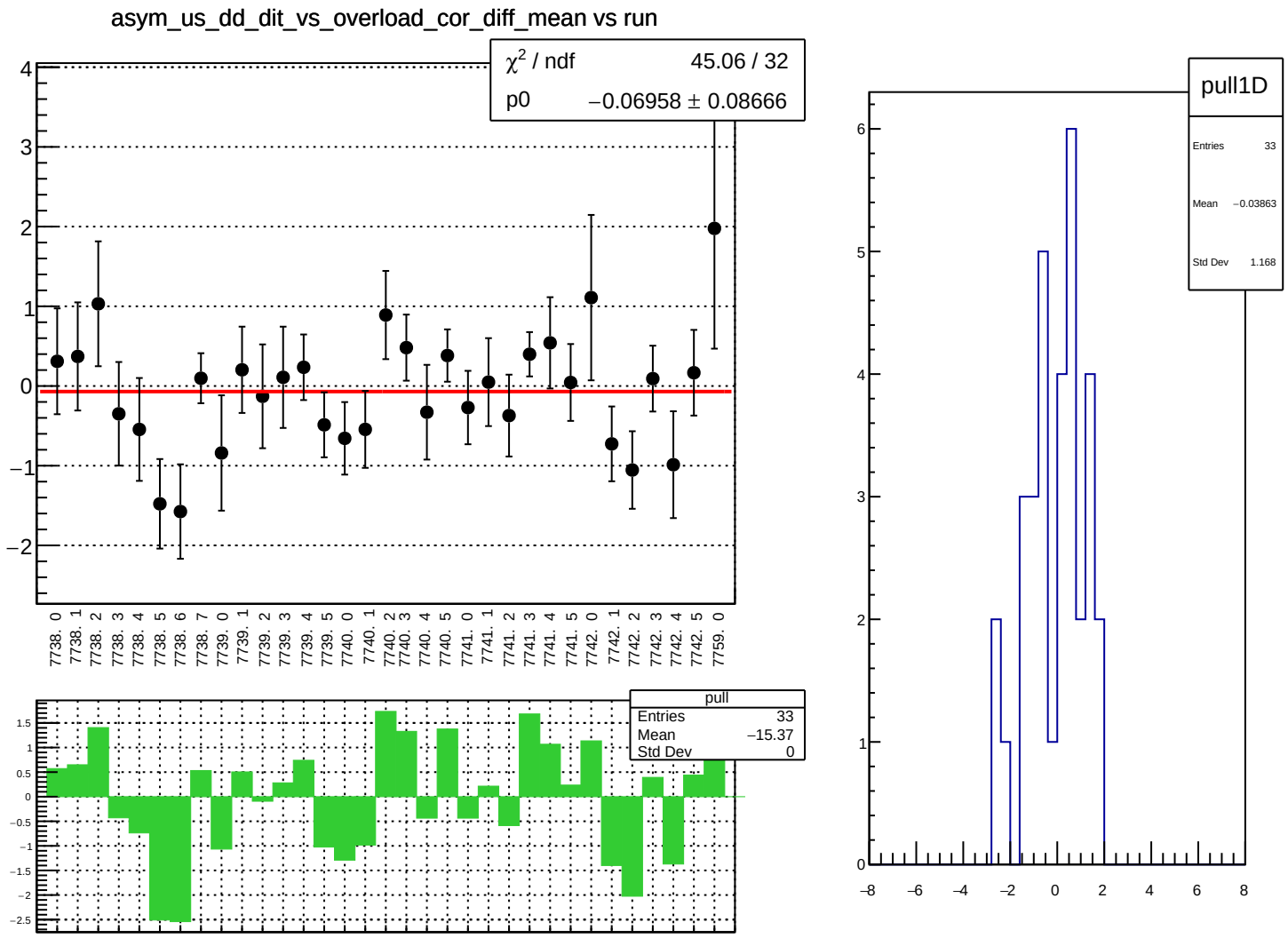

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.12 / 32
p0 −0.06818 ± 0.06758
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.53
Std Dev 0
2
1
0
−1
−2
−3

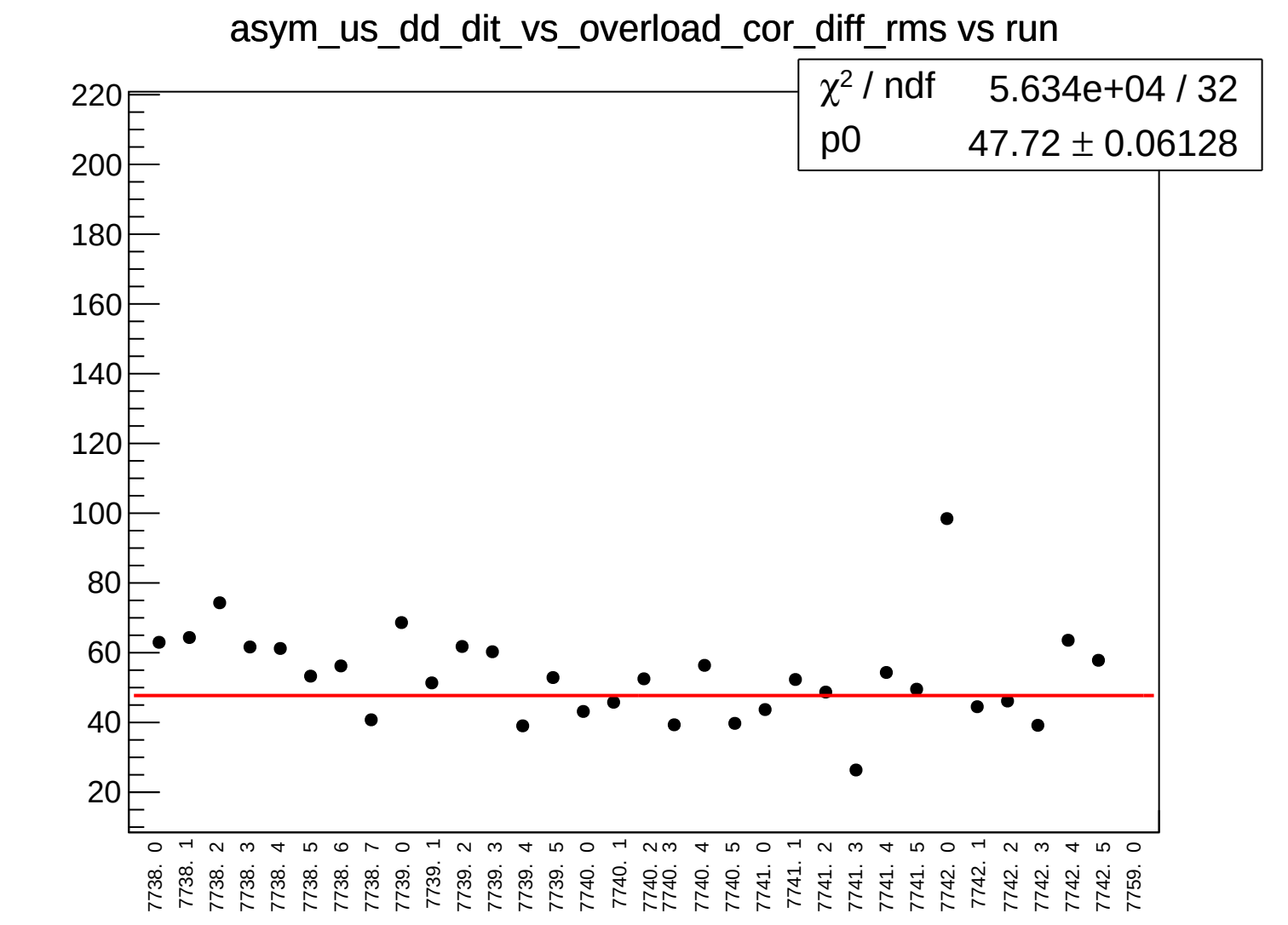

pull1D
Entries 33
Mean −0.02088
Std Dev 1.13
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

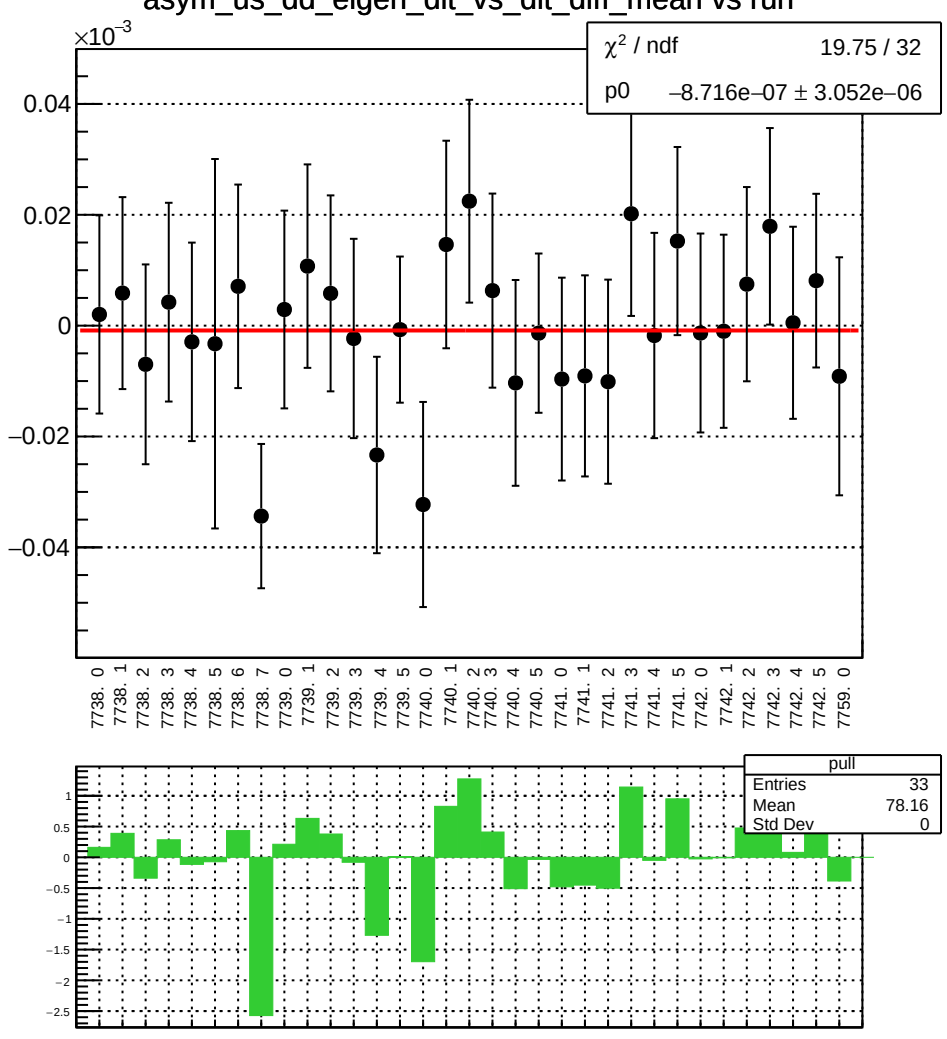

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.35e+04 / 32
p0 37 ± 0.04779
200
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

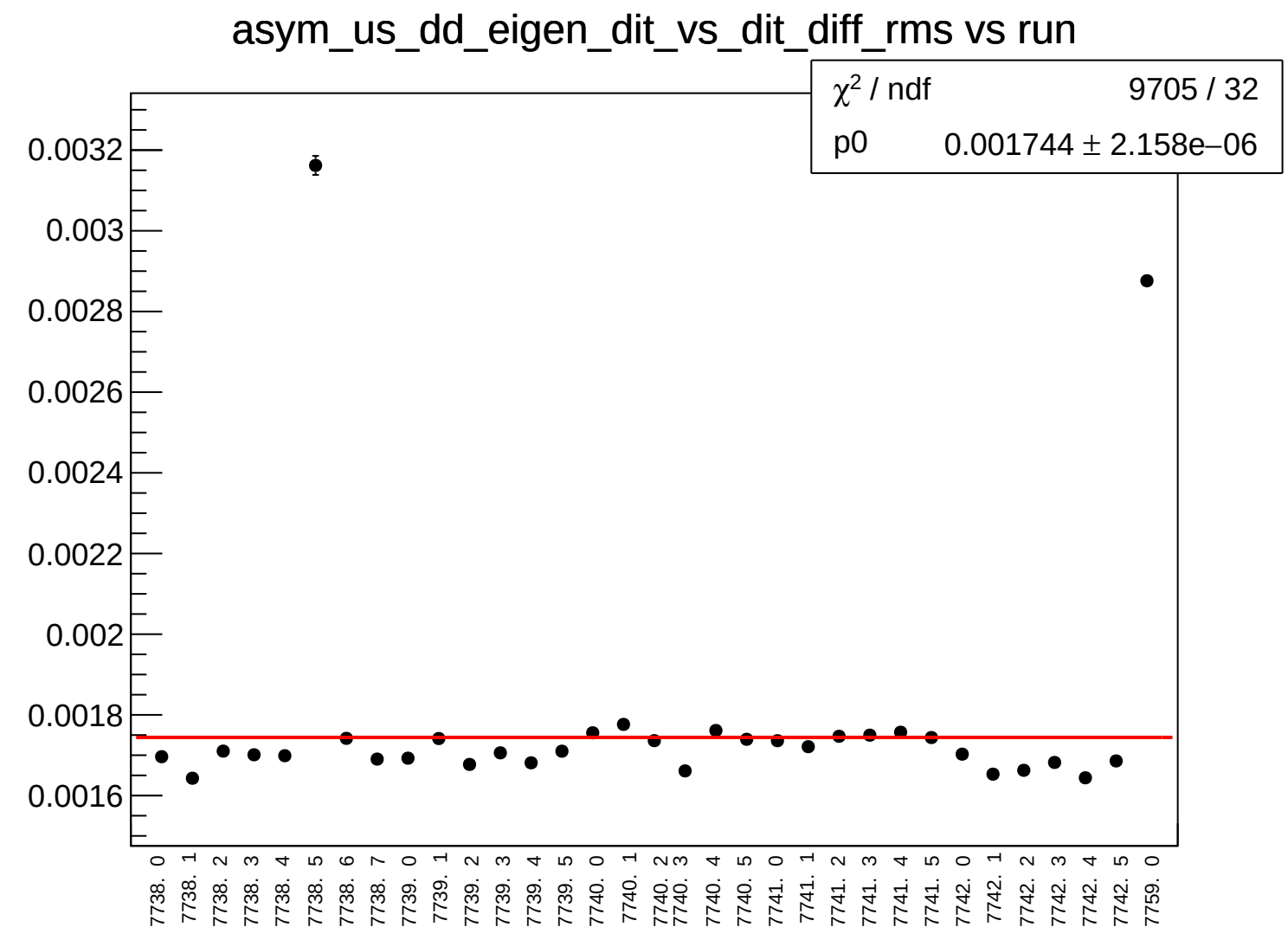

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.12 / 32
p0 −0.06818 ± 0.06758
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.53
Std Dev 0
pull1D
Entries 33
Mean −0.02088
Std Dev 1.13

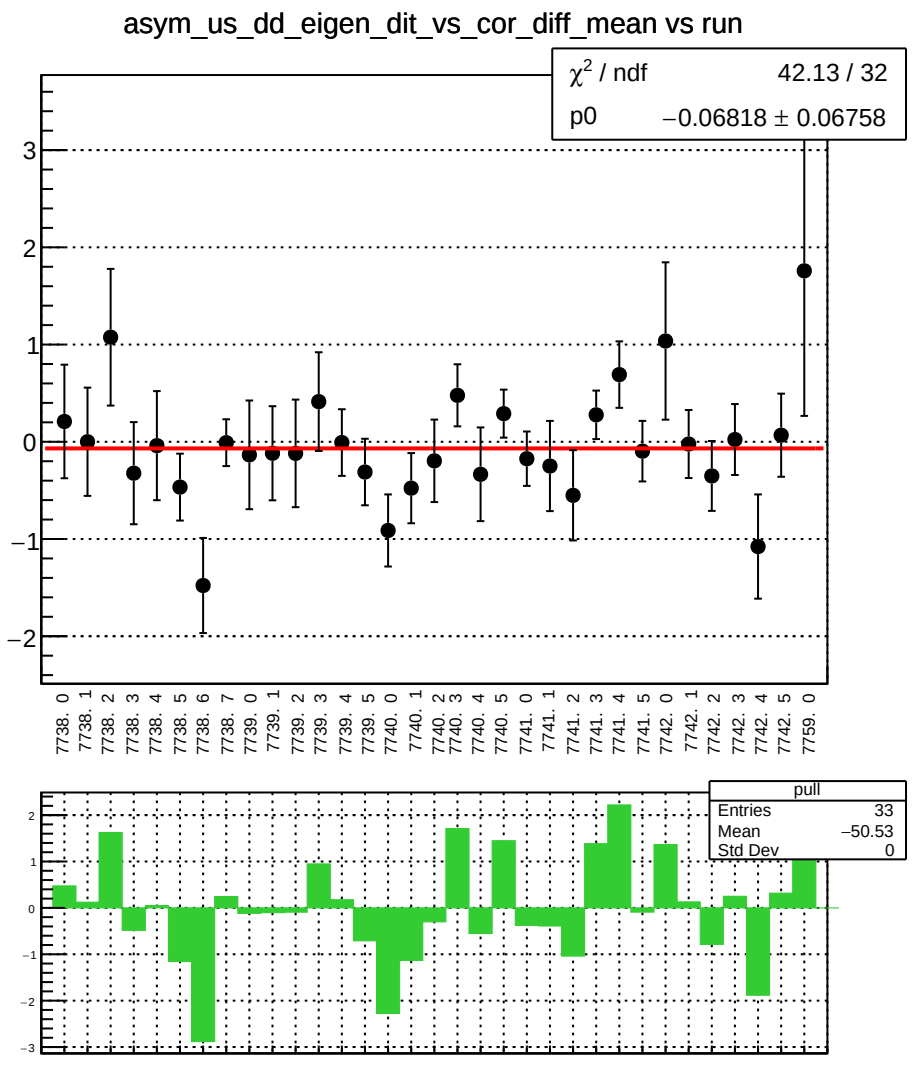

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.35e+04 / 32
p0 37 ± 0.04779
200
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

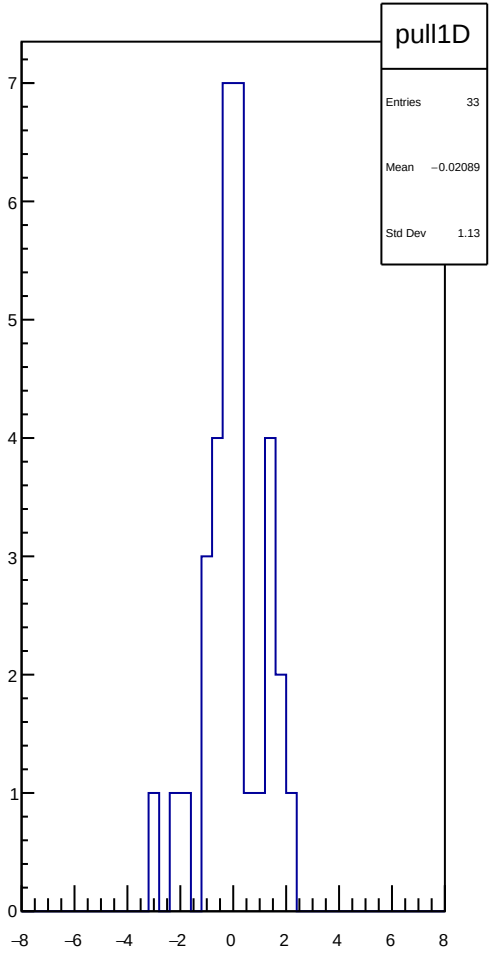

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 45.06 / 32
p0 −0.06958 ± 0.08666
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.37
Std Dev 0
pull1D
Entries 33
Mean −0.03863
Std Dev 1.168

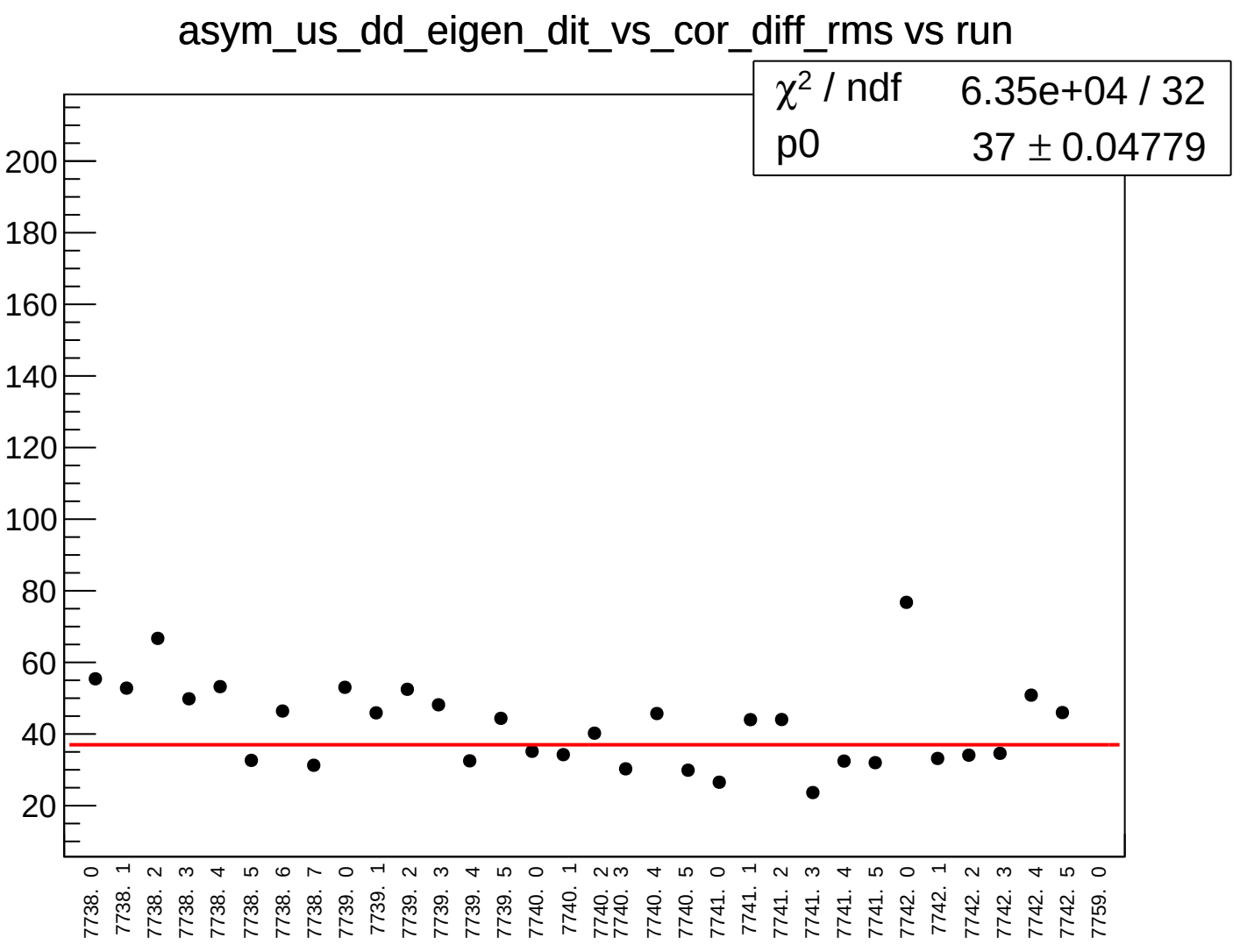

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.634e+04 / 32
p0 47.72 ± 0.06128
220
200
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

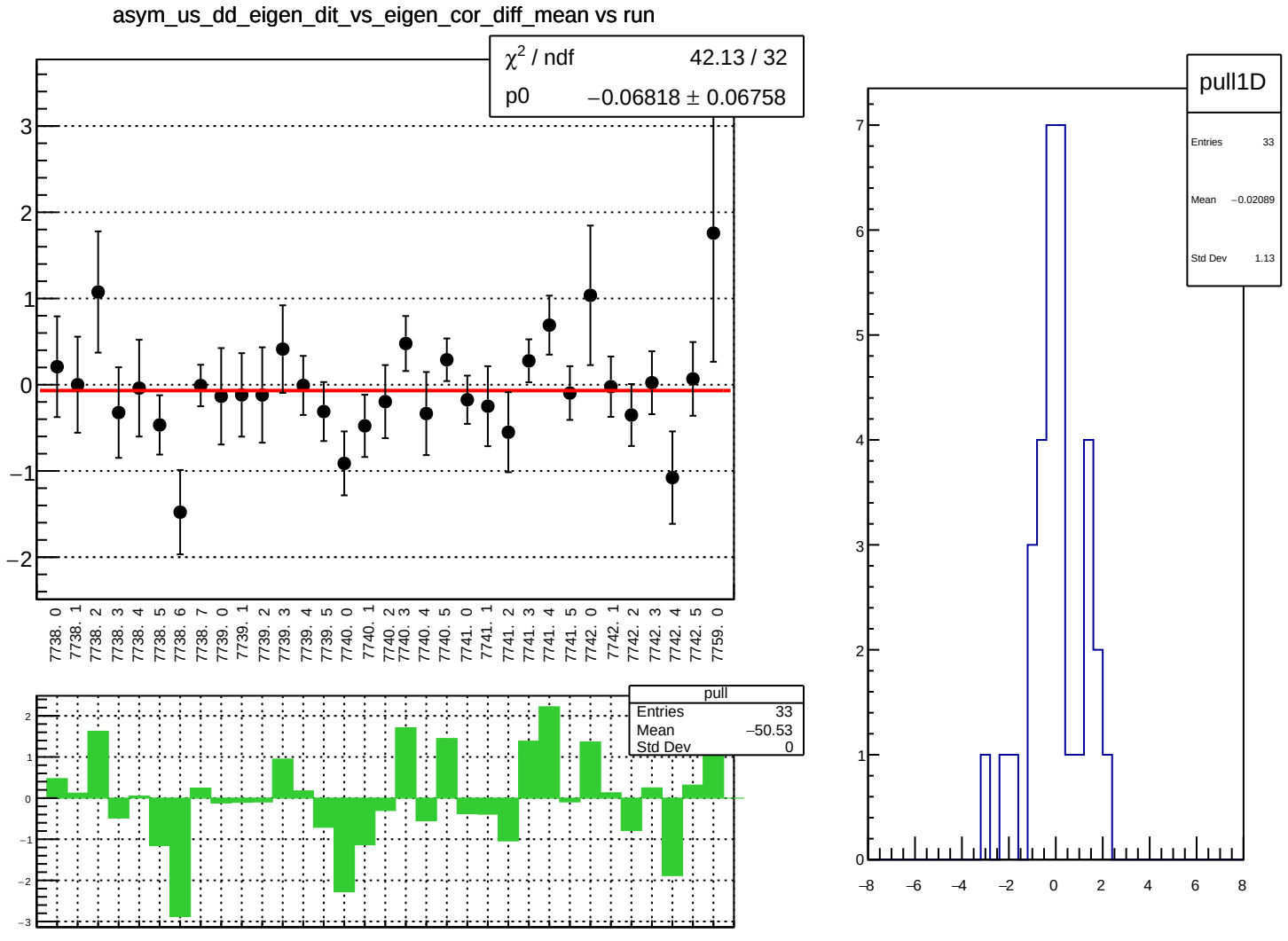

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 19.75 / 32
p0 −8.716e−07 ± 3.052e−06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 78.16
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.02172
Std Dev 0.7734
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

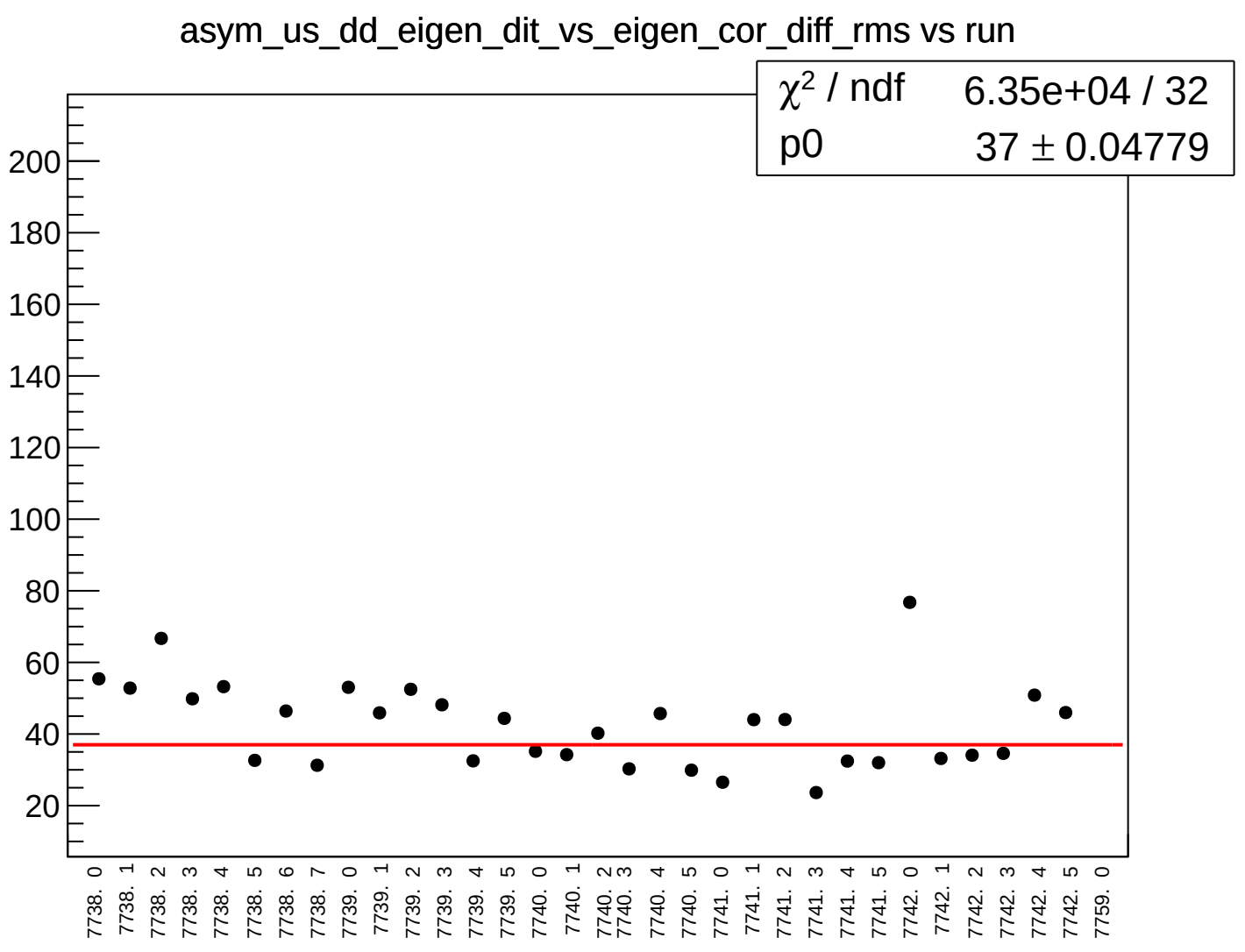

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9705 / 32
p0 0.001744 ± 2.158e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

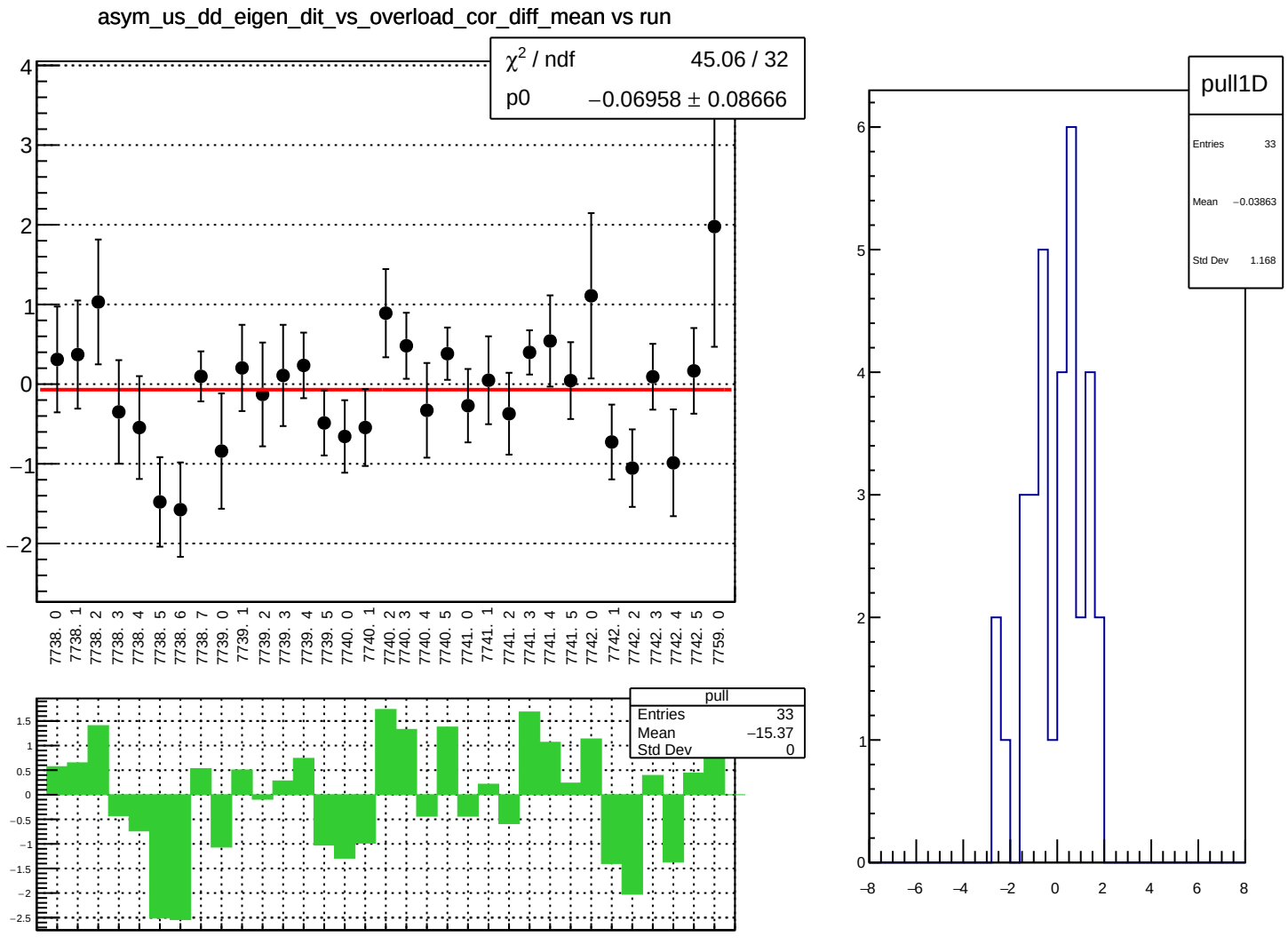

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.13 / 32
p0 −0.06818 ± 0.06758
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.53
Std Dev 0
2
1
0
−1
−2
−3

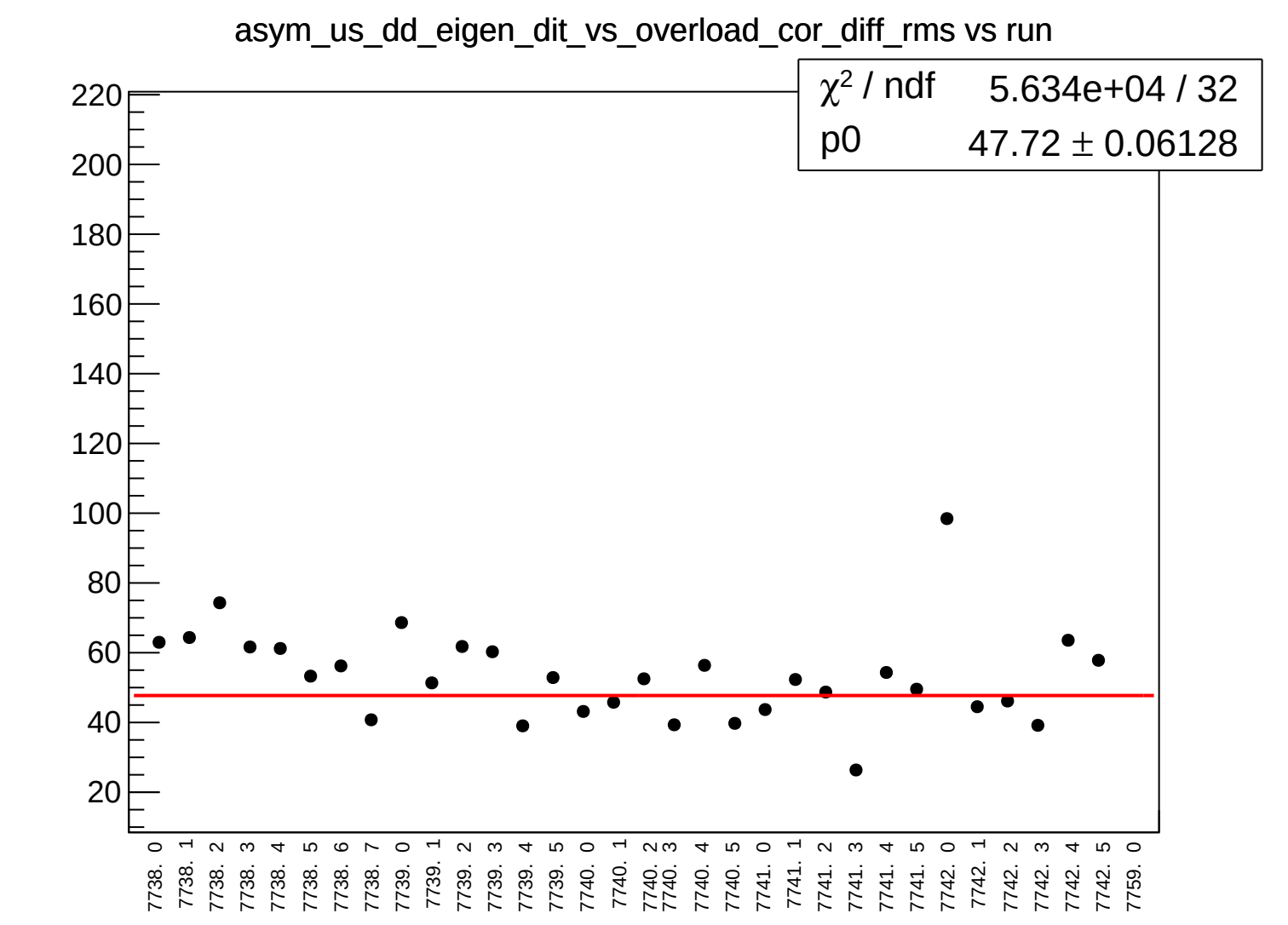

pull1D
Entries 33
Mean −0.02089
Std Dev 1.13
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

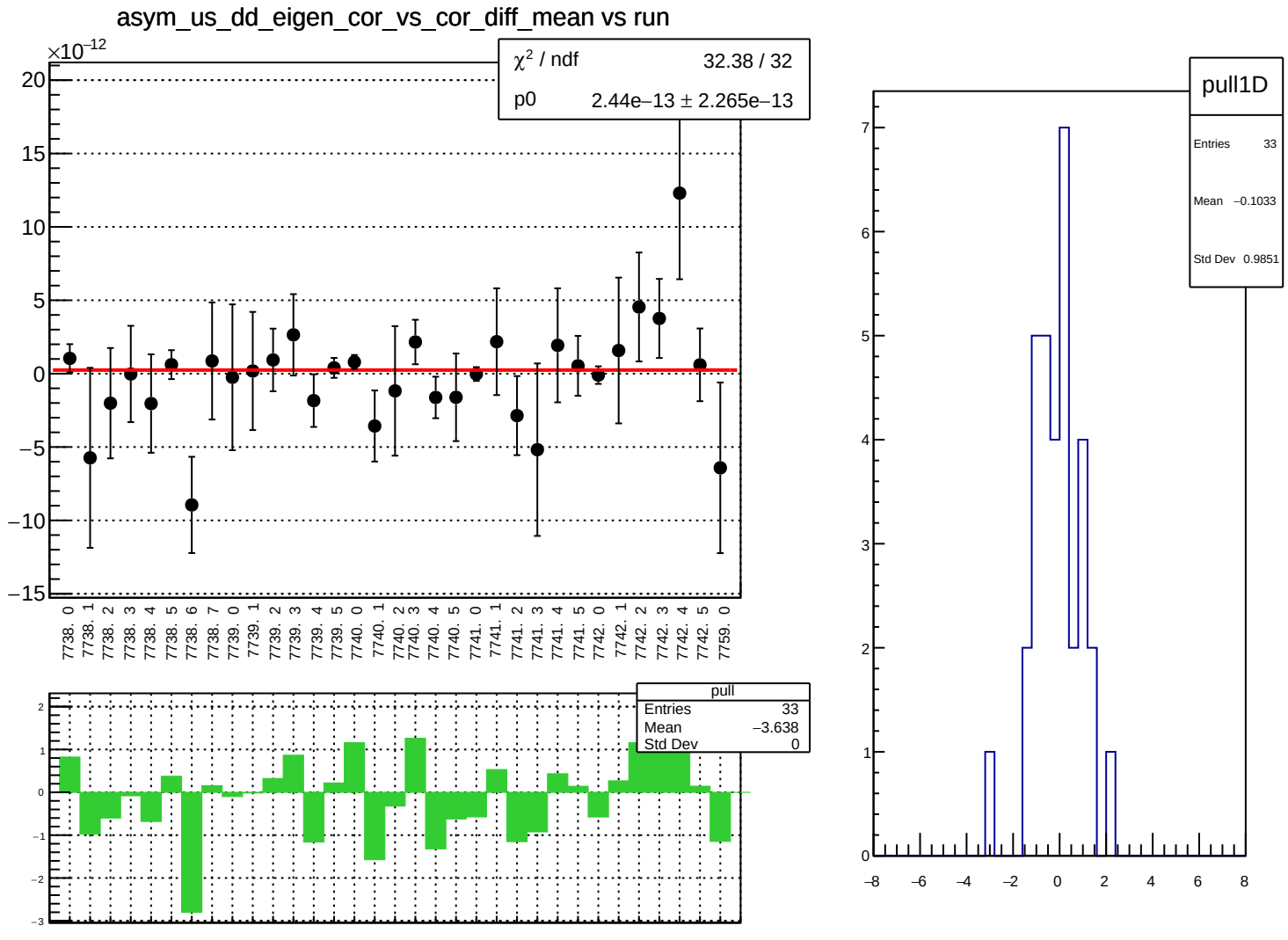

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.35e+04 / 32
p0 37 ± 0.04779
200
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

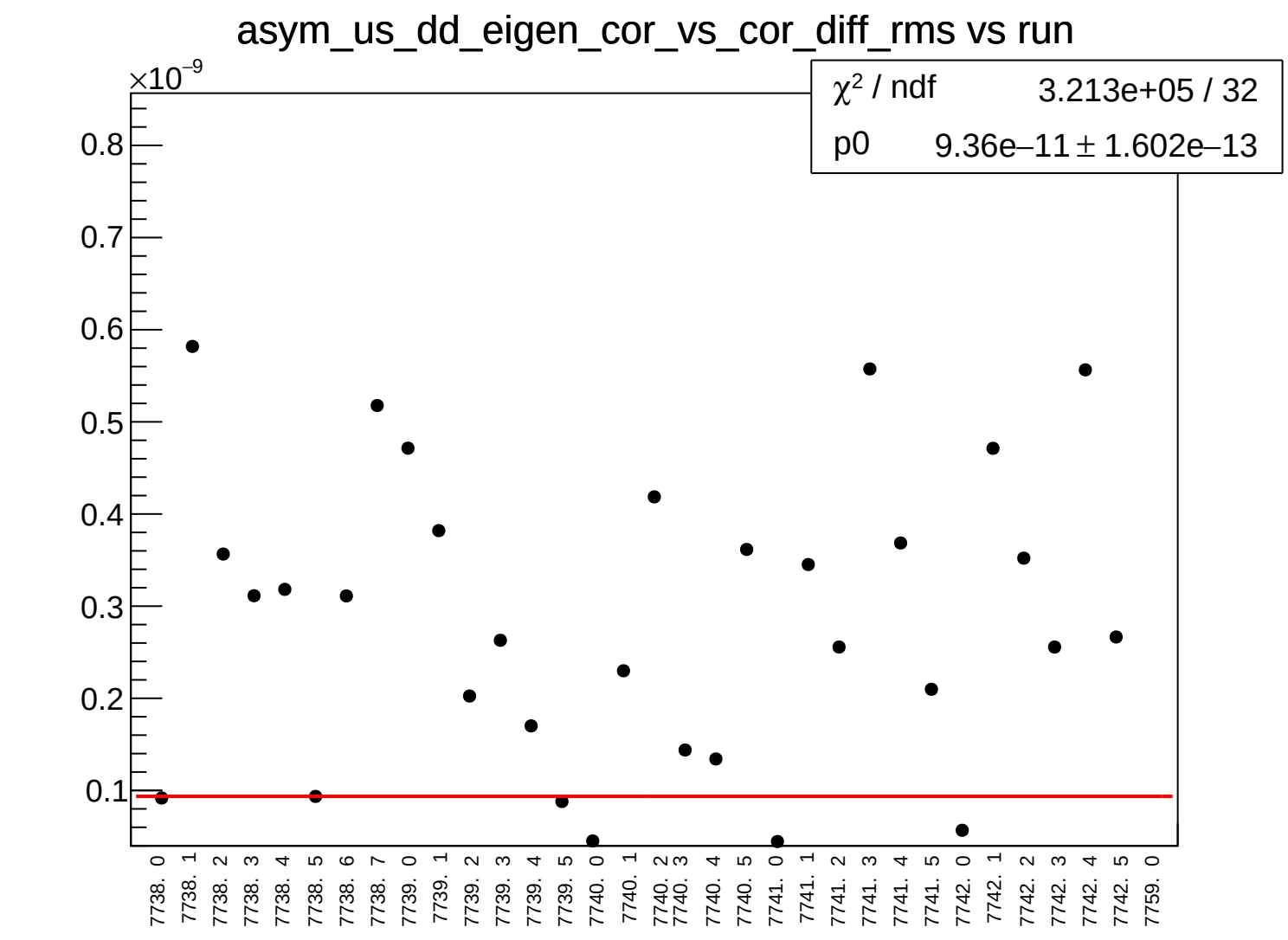

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.13 / 32
p0 −0.06818 ± 0.06758
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.53
Std Dev 0
pull1D
Entries 33
Mean −0.02089
Std Dev 1.13

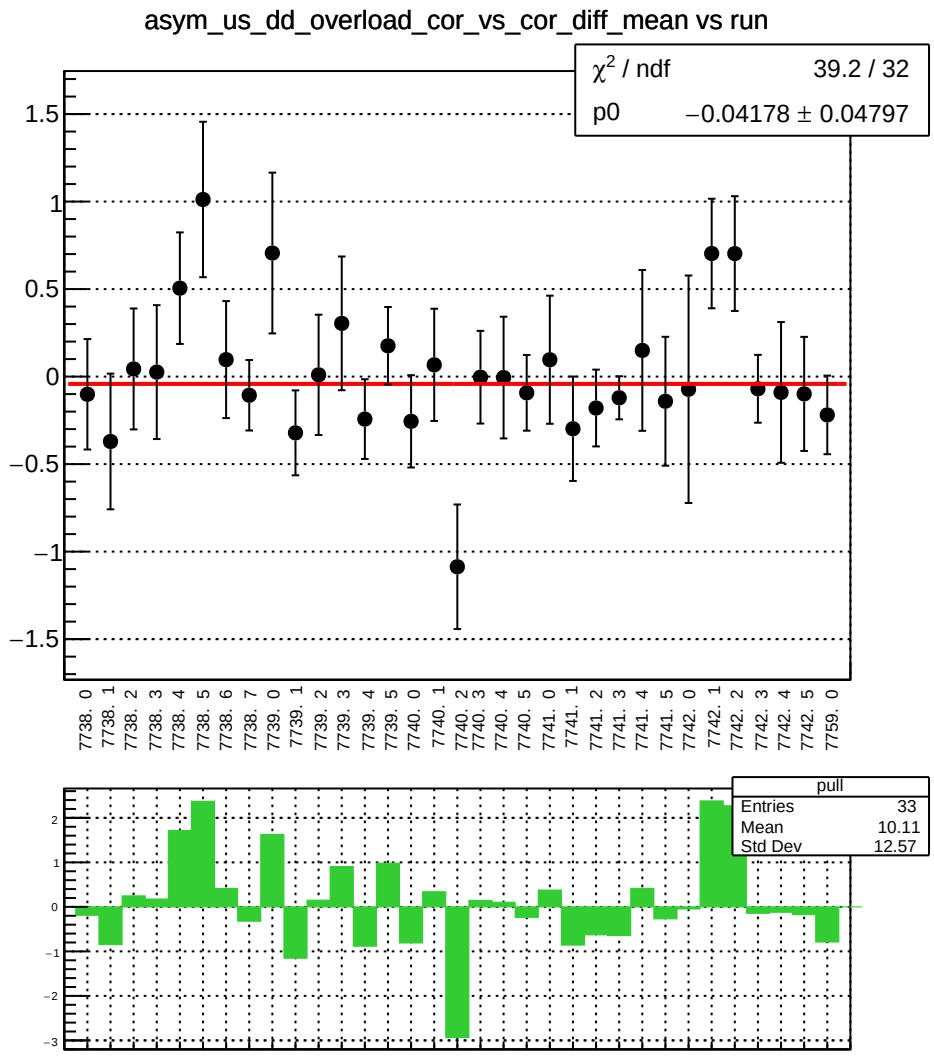

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.35e+04 / 32
p0 37 ± 0.04779
200
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

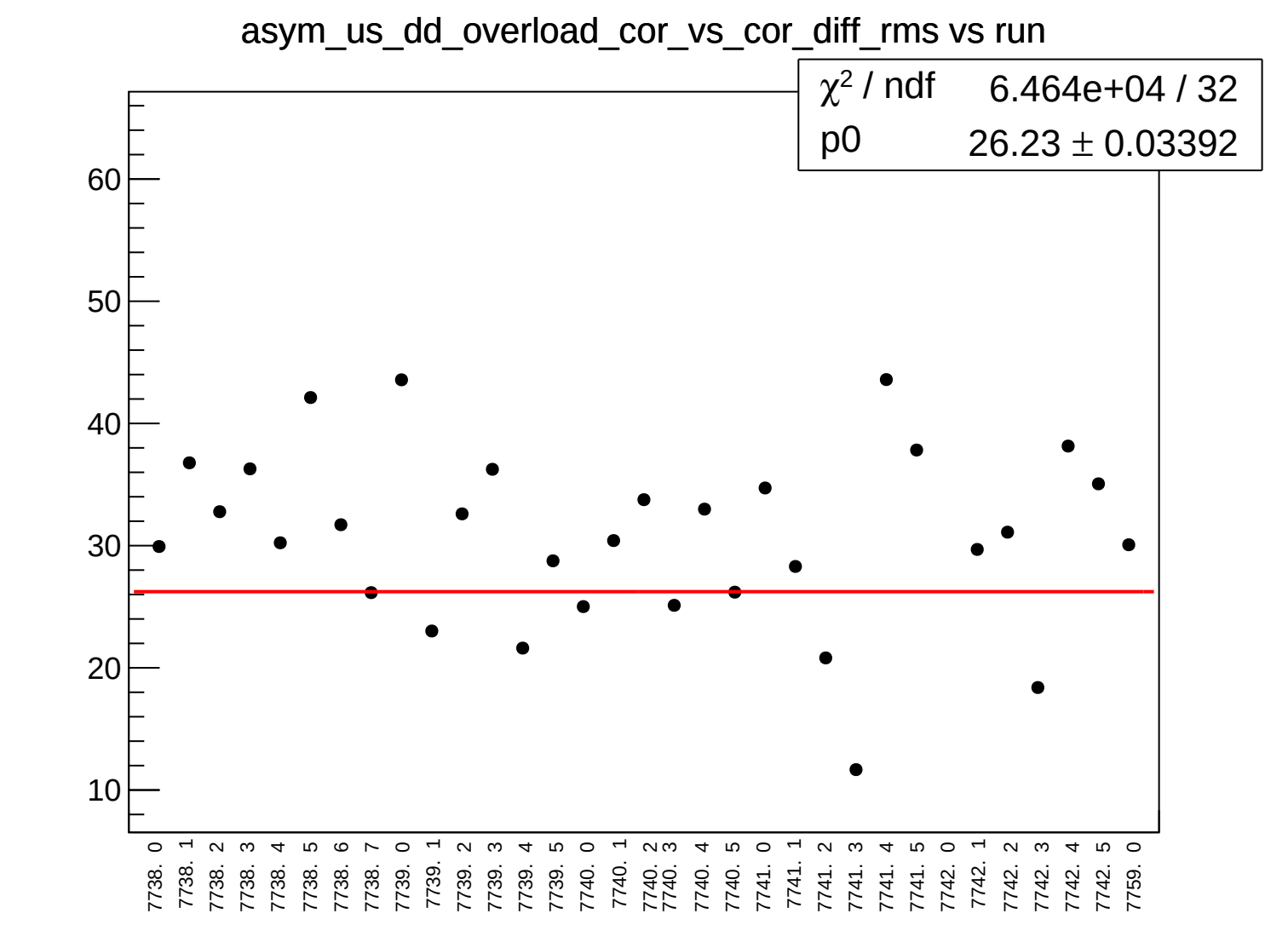

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 45.06 / 32
p0 −0.06958 ± 0.08666
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.37
Std Dev 0
pull1D
Entries 33
Mean −0.03863
Std Dev 1.168

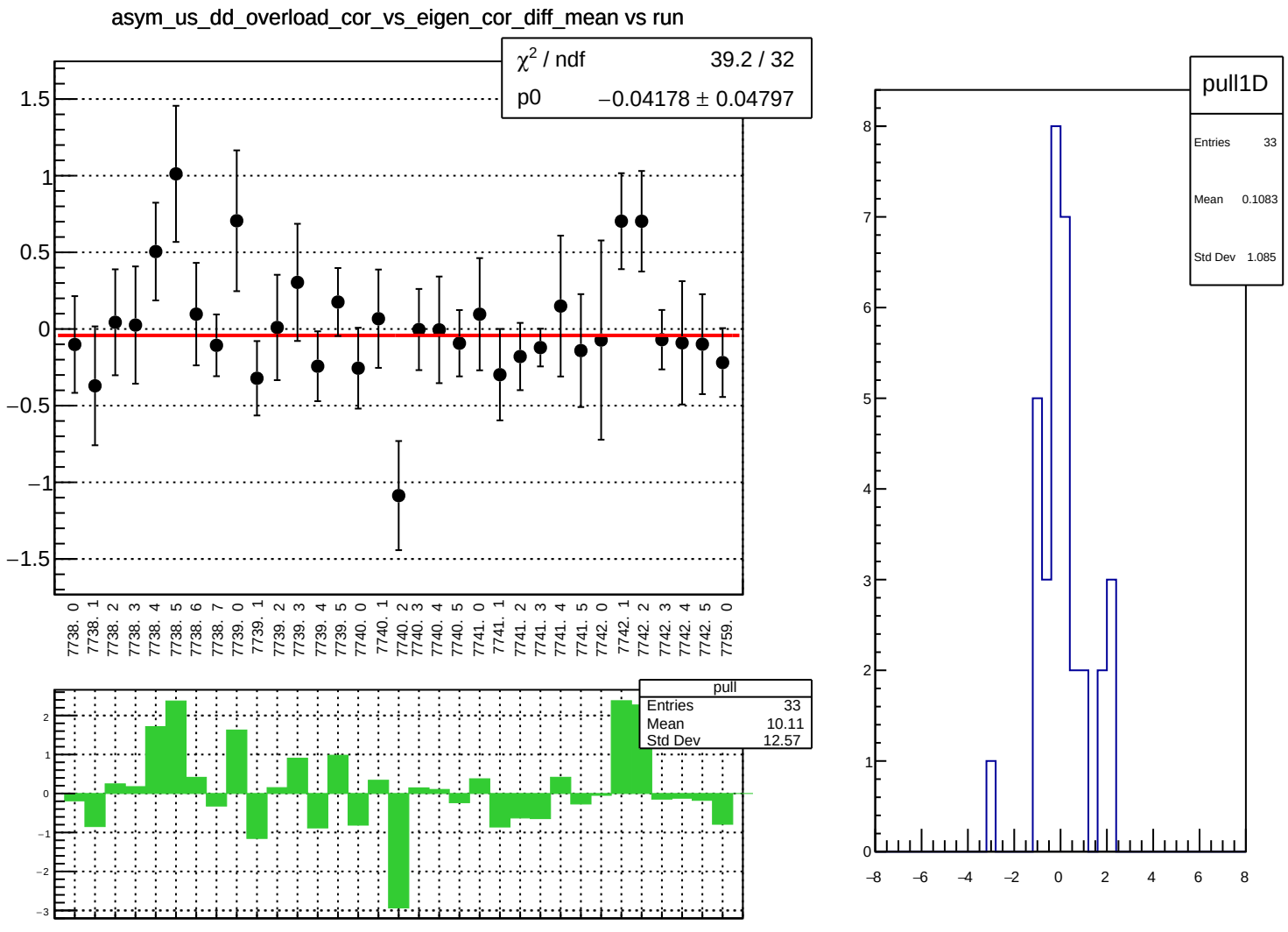

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.634e+04 / 32
p0 47.72 ± 0.06128
220
200
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

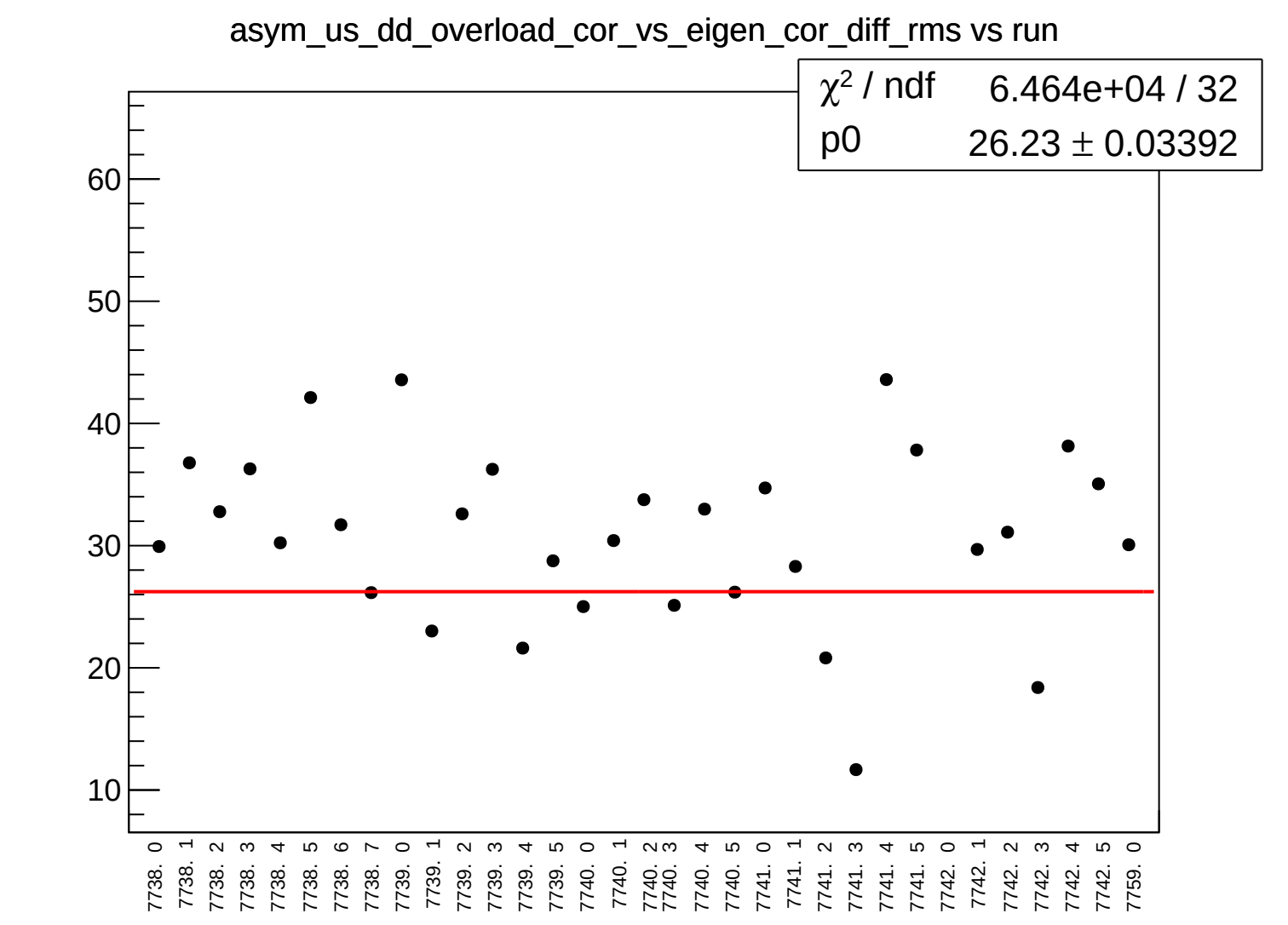

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 32.38 / 32
p0 2.44e−13 ± 2.265e−13
20
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.638
Std Dev 0
pull1D
Entries 33
Mean −0.1033
Std Dev 0.9851

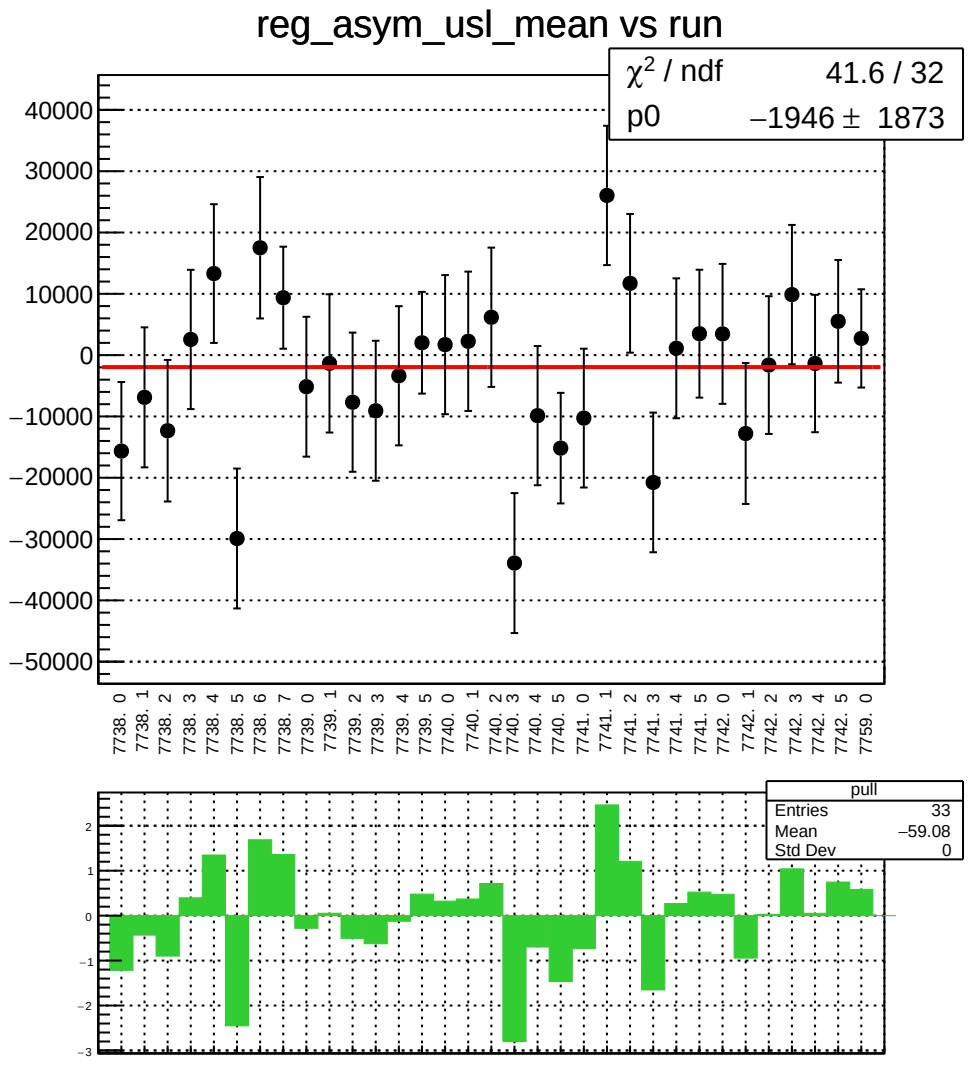

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.213e+05 / 32
p0 9.36e−11 ± 1.602e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

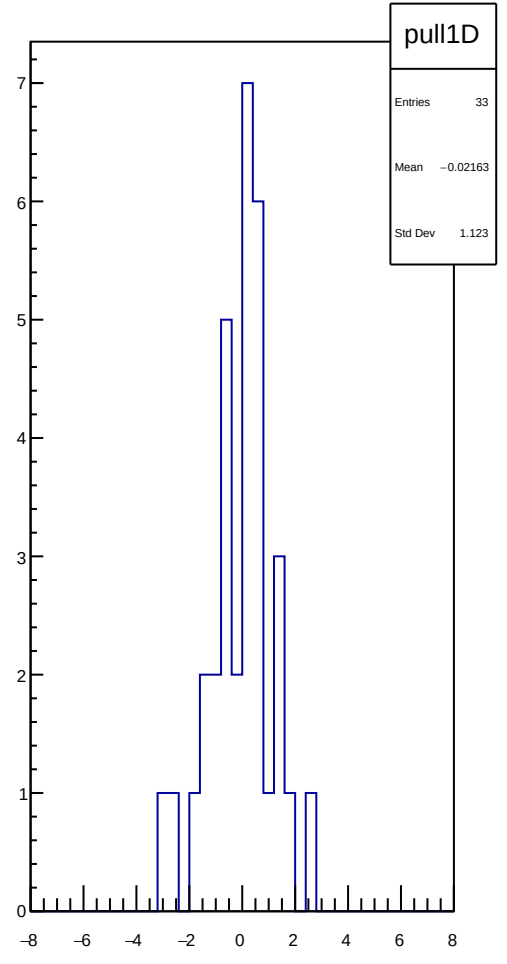

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 39.2 / 32
p0 −0.04178 ± 0.04797
pull
Entries 33
Mean 10.11
Std Dev 12.57
pull1D
Entries 33
Mean 0.1083
Std Dev 1.085

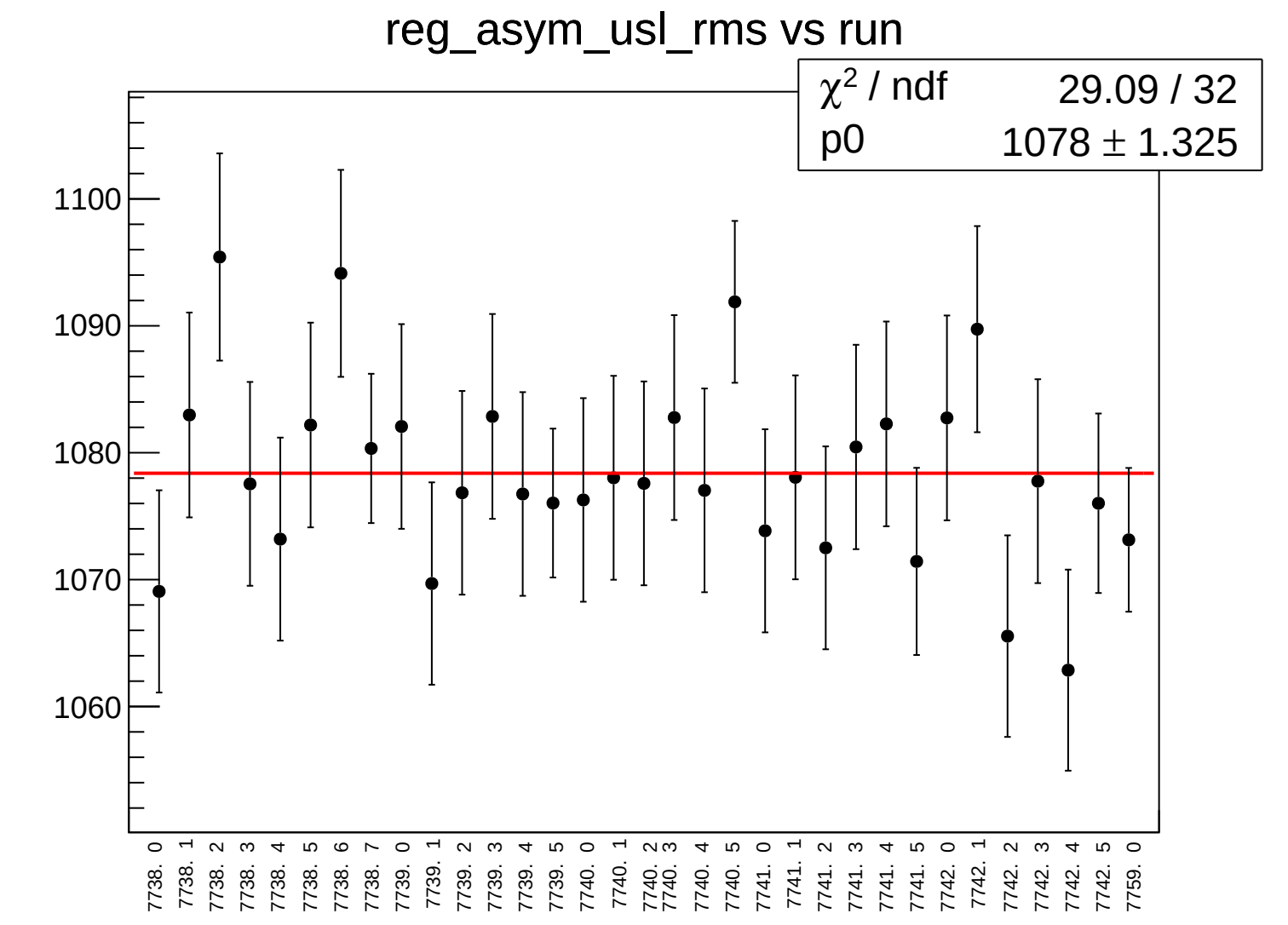

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.464e+04 / 32
p0 26.23 ± 0.03392
60
50
40
30
20
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

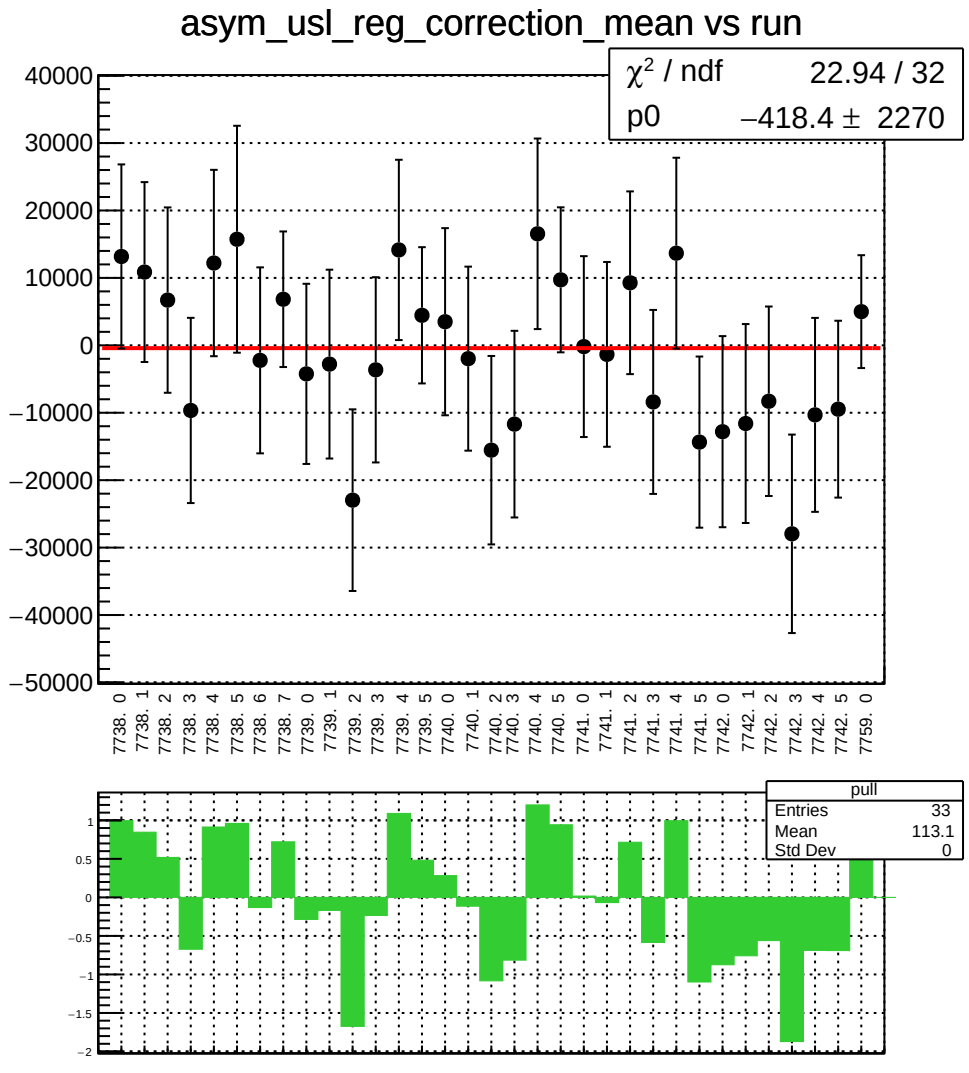

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.2 / 32
p0 −0.04178 ± 0.04797
1.5
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.11
Std Dev 12.57
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.1083
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

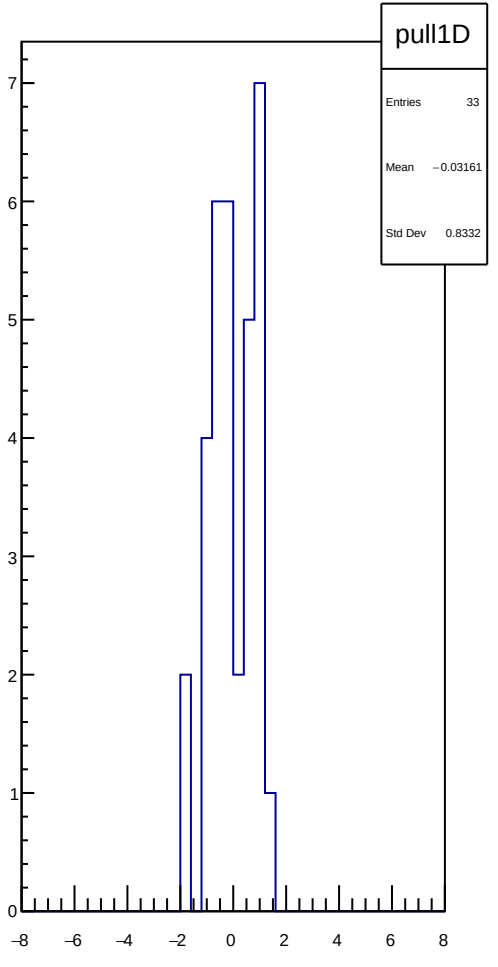

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.464e+04 / 32
p0 26.23 ± 0.03392
60
50
40
30
20
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

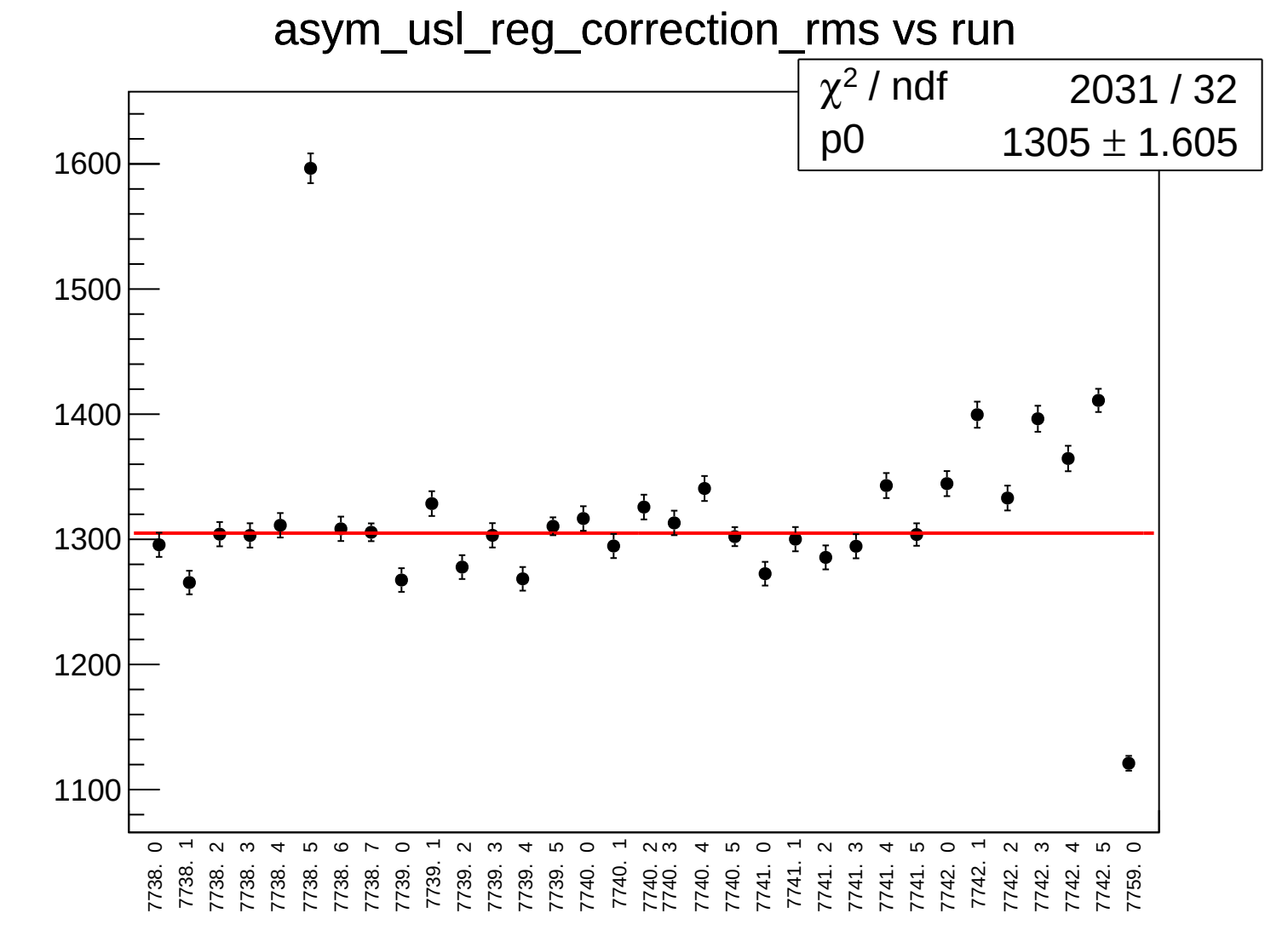

reg_asym_usl_mean vs run
χ² / ndf 41.6 / 32
p0 −1946 ± 1873
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.08
Std Dev 0
2
1
0
−1
−2
−3

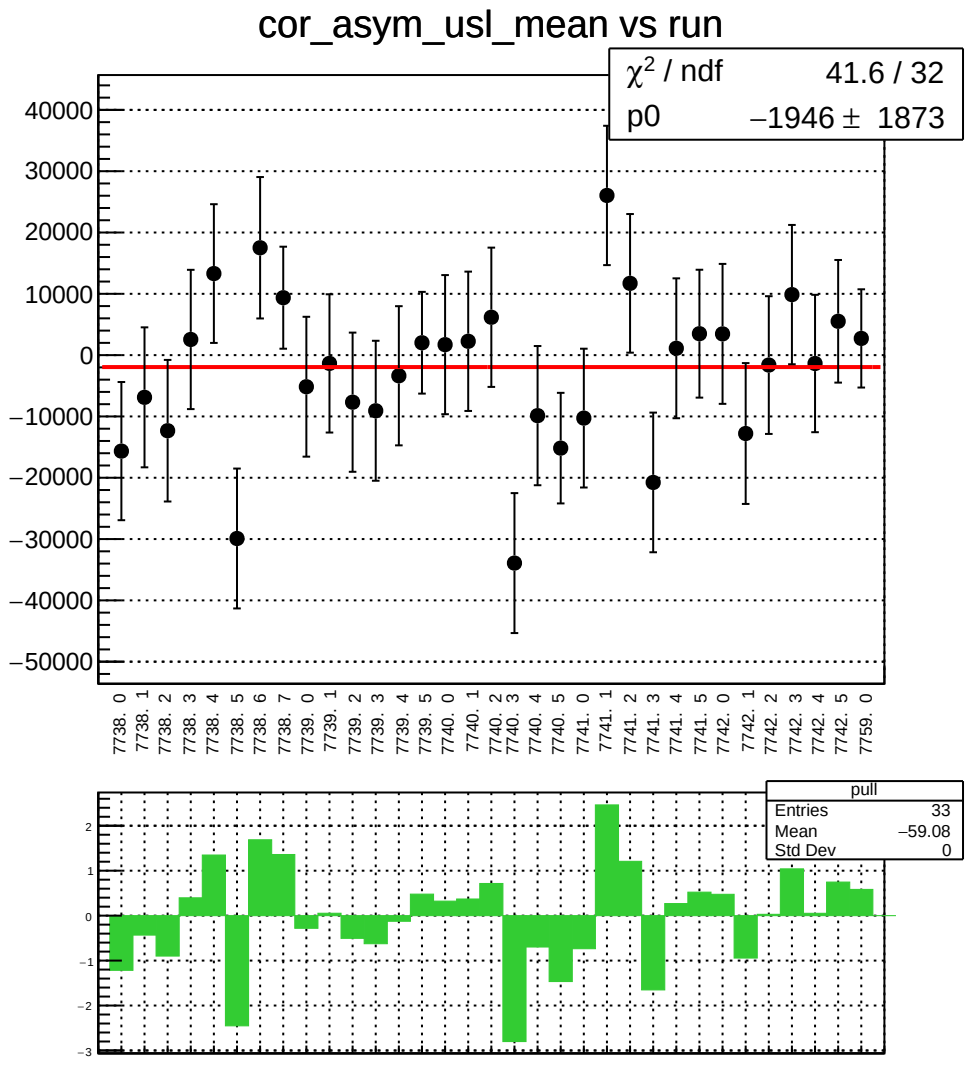

pull1D
Entries 33
Mean −0.02163
Std Dev 1.123
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

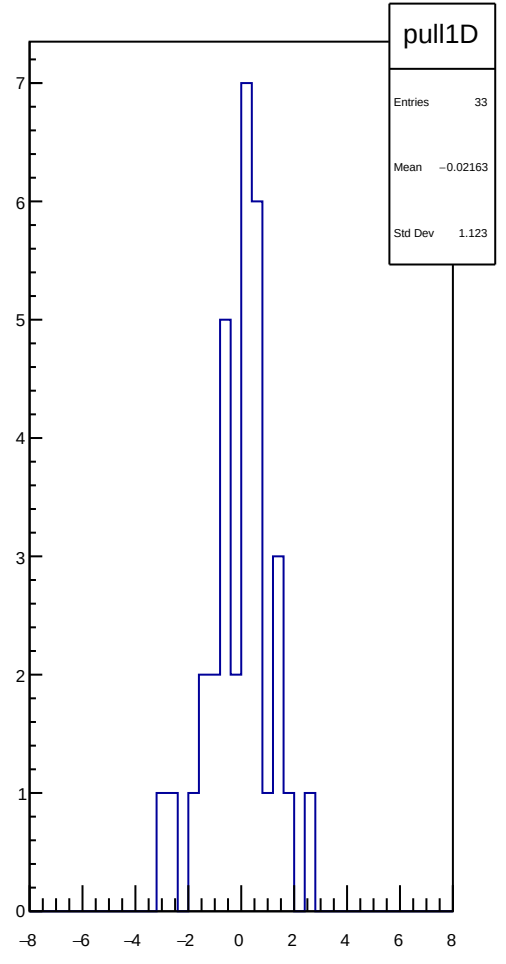

reg_asym_usl_rms vs run
χ² / ndf 29.09 / 32
p0 1078 ± 1.325
1100
1090
1080
1070
1060
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

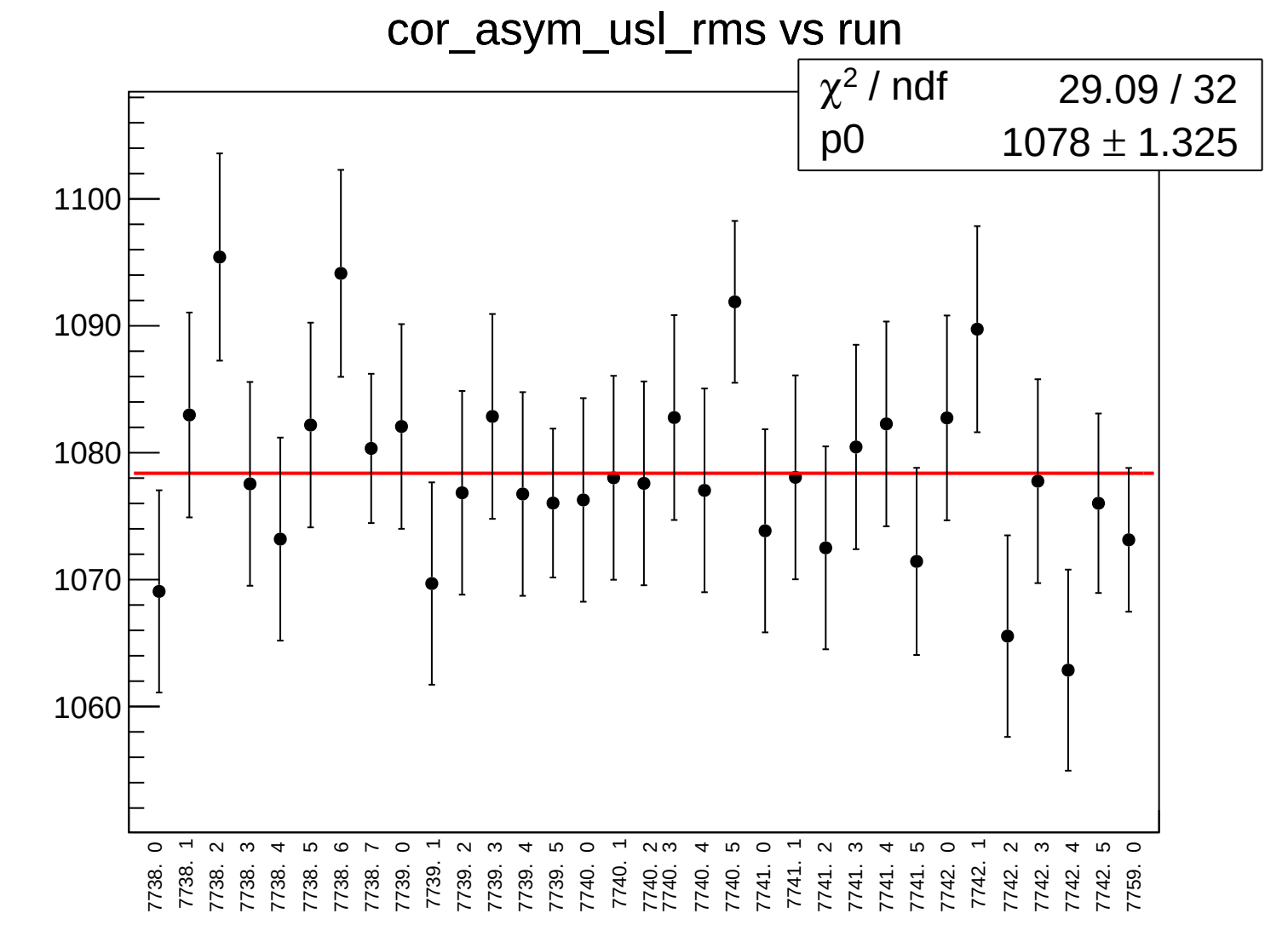

asym_usl_reg_correction_mean vs run
χ² / ndf 22.94 / 32
p0 −418.4 ± 2270
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 113.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

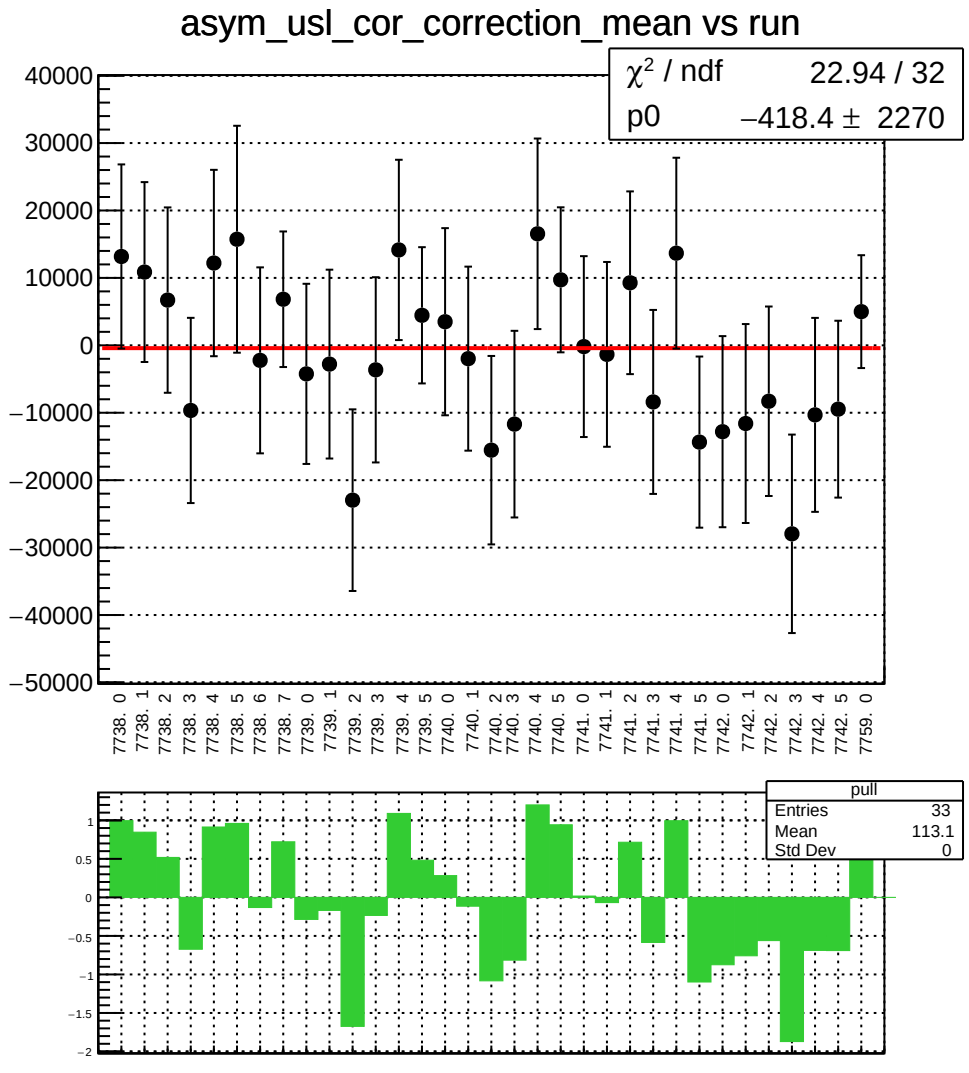

pull1D
Entries 33
Mean −0.03161
Std Dev 0.8332
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

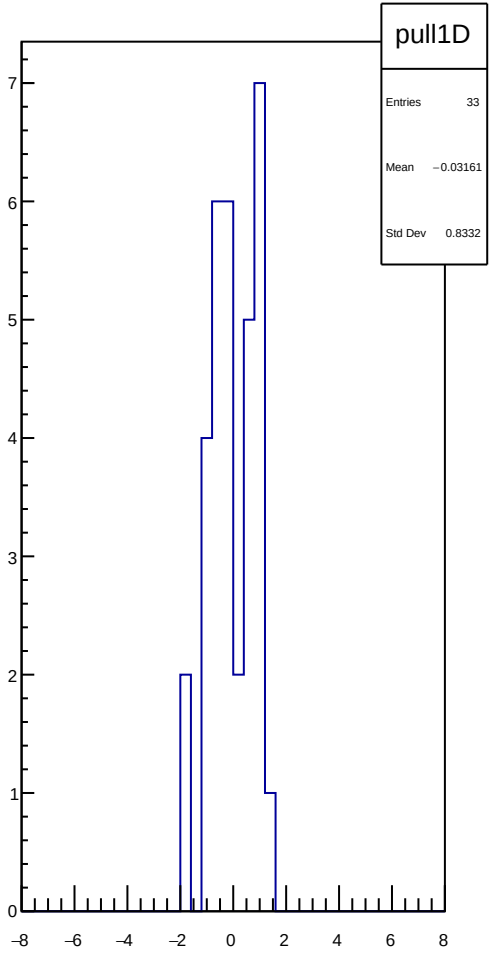

asym_usl_reg_correction_rms vs run
χ² / ndf 2031 / 32
p0 1305 ± 1.605
1600
1500
1400
1300
1200
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

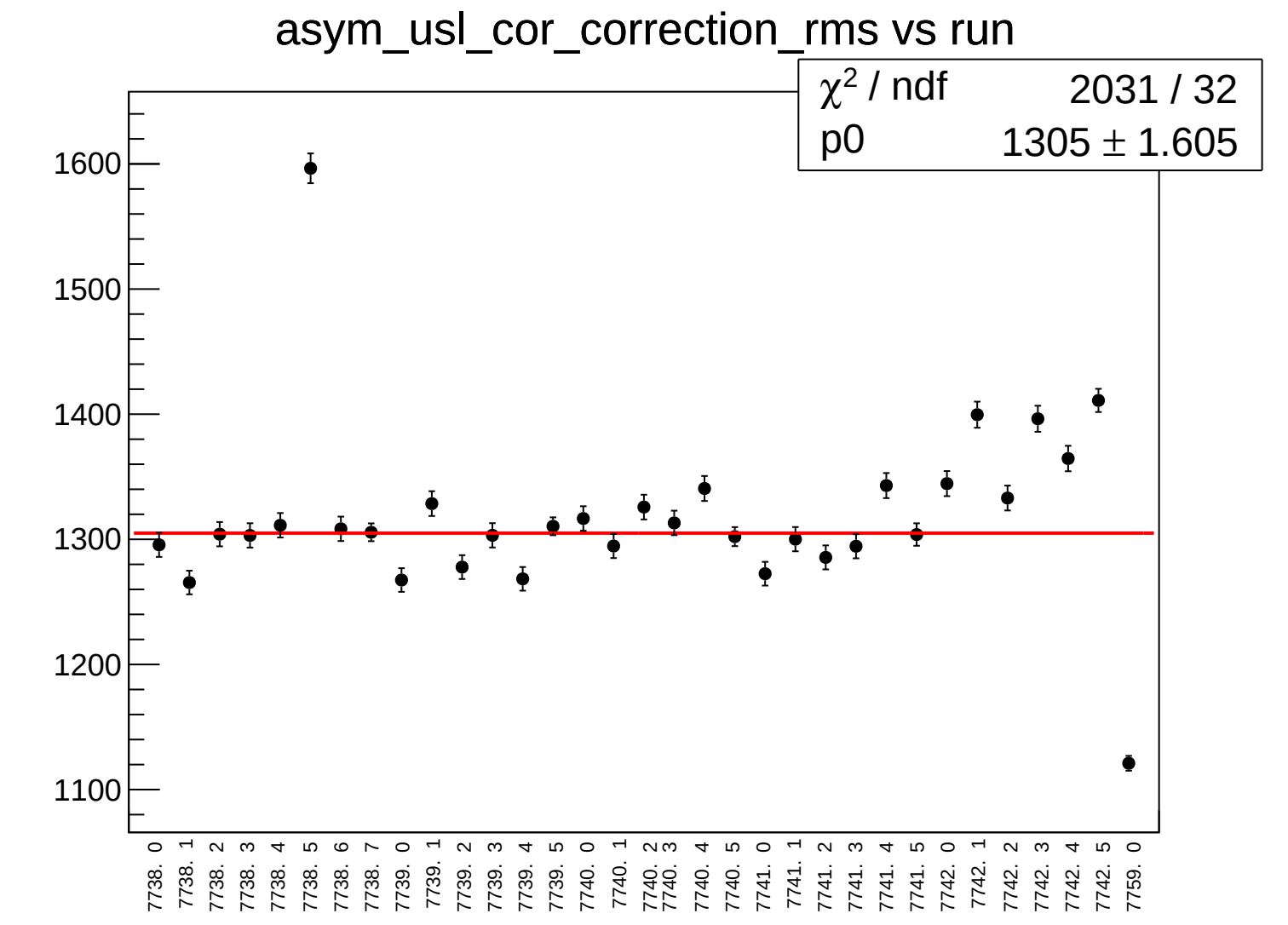

cor_asym_usl_mean vs run
χ² / ndf 41.6 / 32
p0 −1946 ± 1873
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.08
Std Dev 0
2
1
0
−1
−2
−3

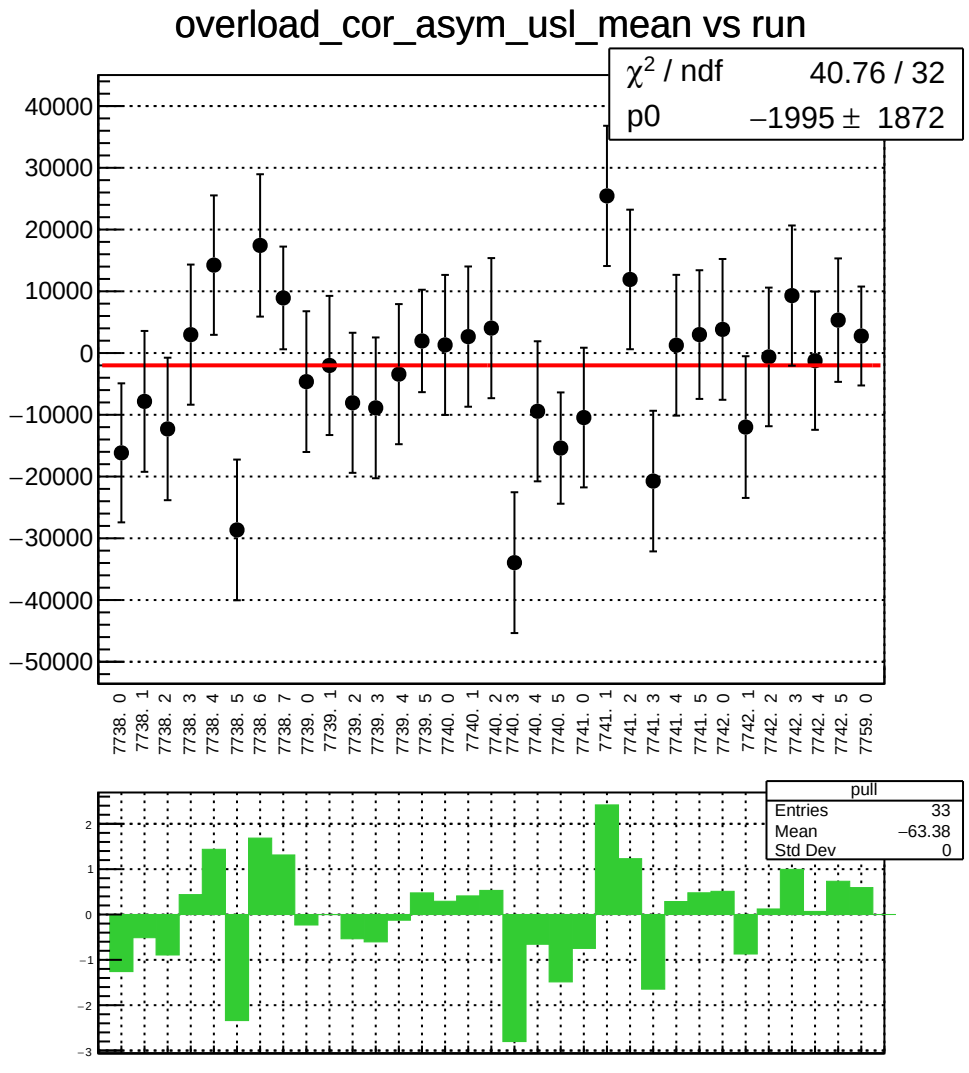

pull1D
Entries 33
Mean −0.02163
Std Dev 1.123
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

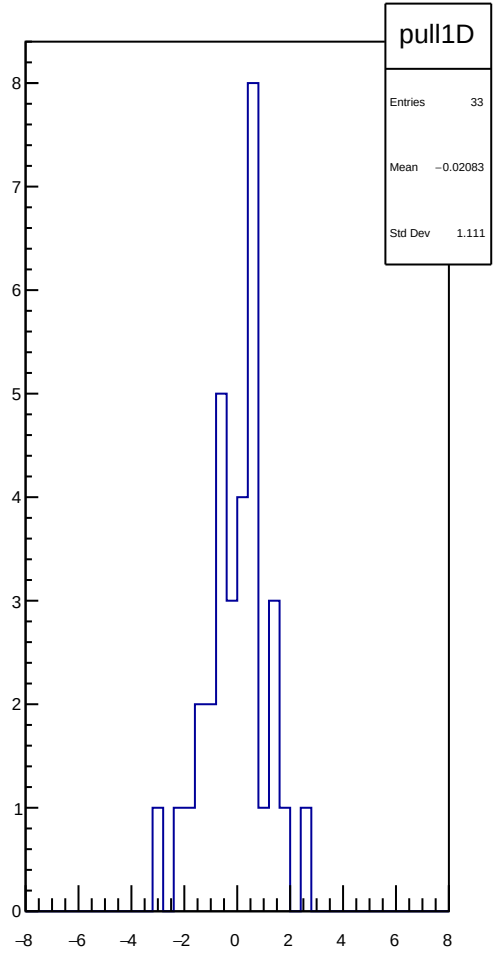

cor_asym_usl_rms vs run
χ² / ndf 29.09 / 32
p0 1078 ± 1.325
1100
1090
1080
1070
1060
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

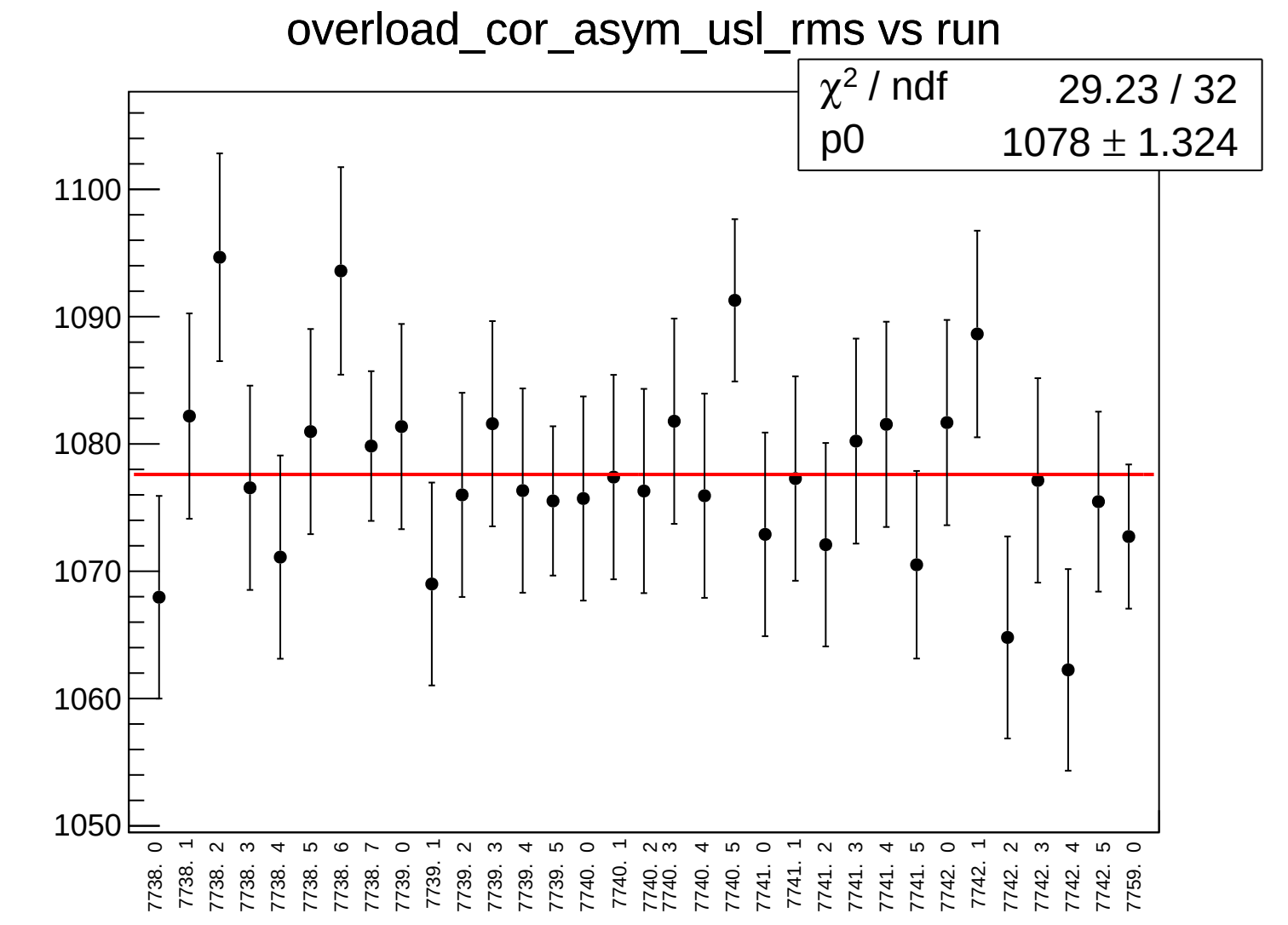

asym_usl_cor_correction_mean vs run
χ² / ndf 22.94 / 32
p0 −418.4 ± 2270
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 113.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

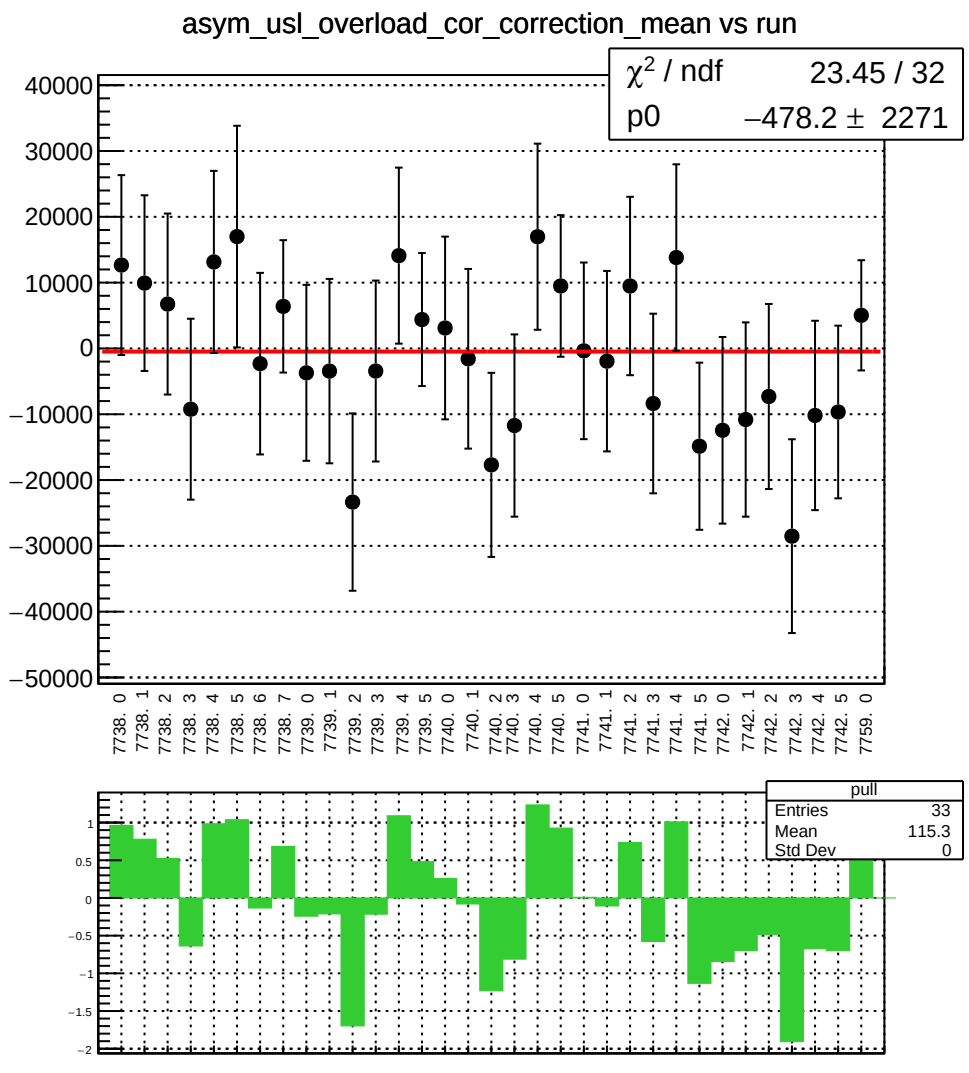

pull1D
Entries 33
Mean −0.03161
Std Dev 0.8332
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

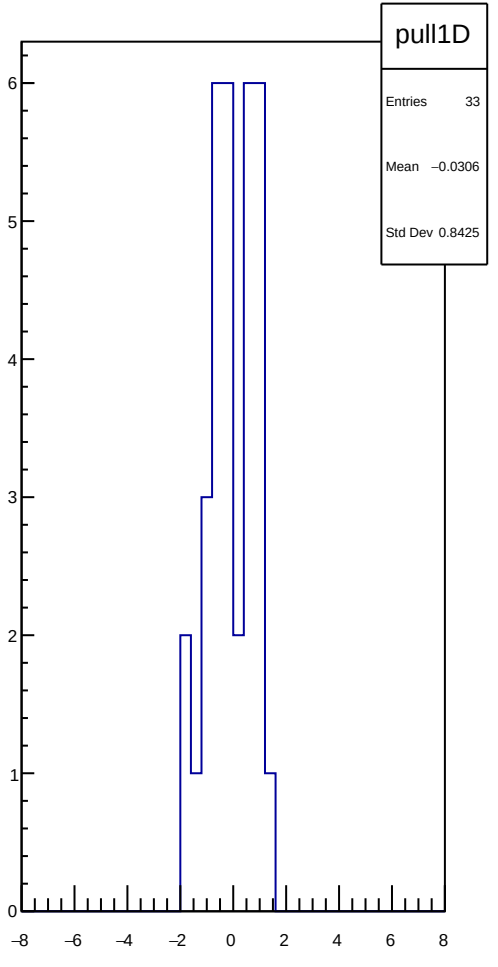

asym_usl_cor_correction_rms vs run
χ² / ndf 2031 / 32
p0 1305 ± 1.605
1600
1500
1400
1300
1200
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

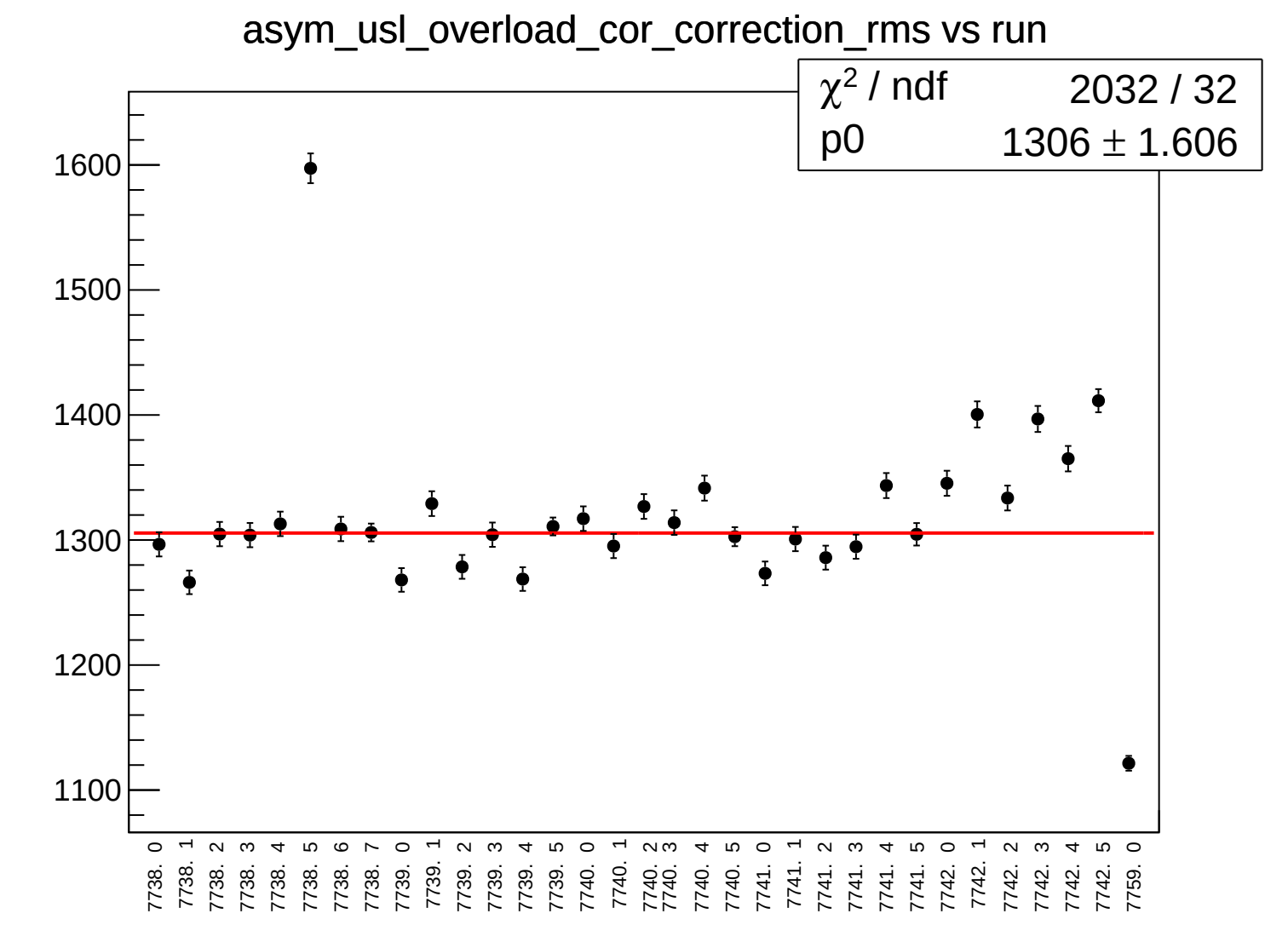

overload_cor_asym_usl_mean vs run
χ² / ndf 40.76 / 32
p0 −1995 ± 1872
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −63.38
Std Dev 0
2
1
0
−1
−2
−3

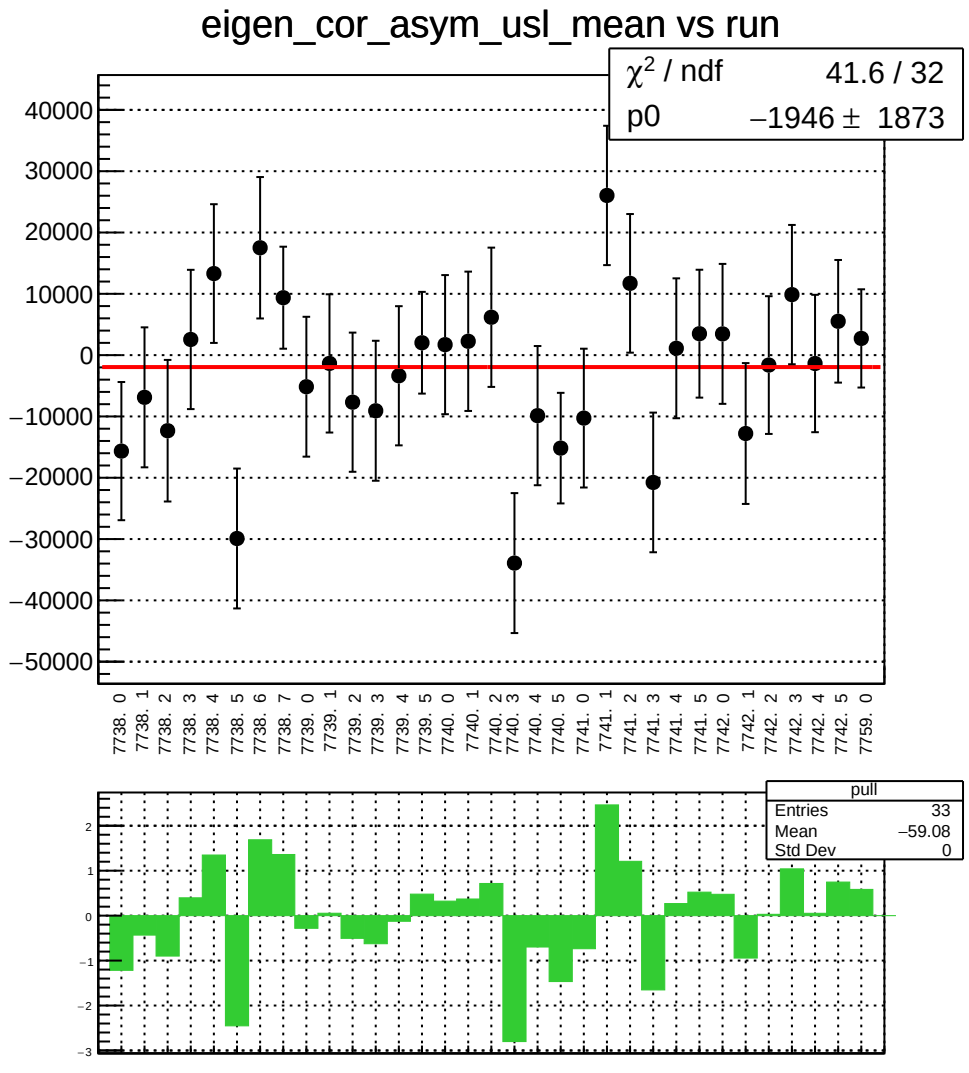

pull1D
Entries 33
Mean −0.02083
Std Dev 1.111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

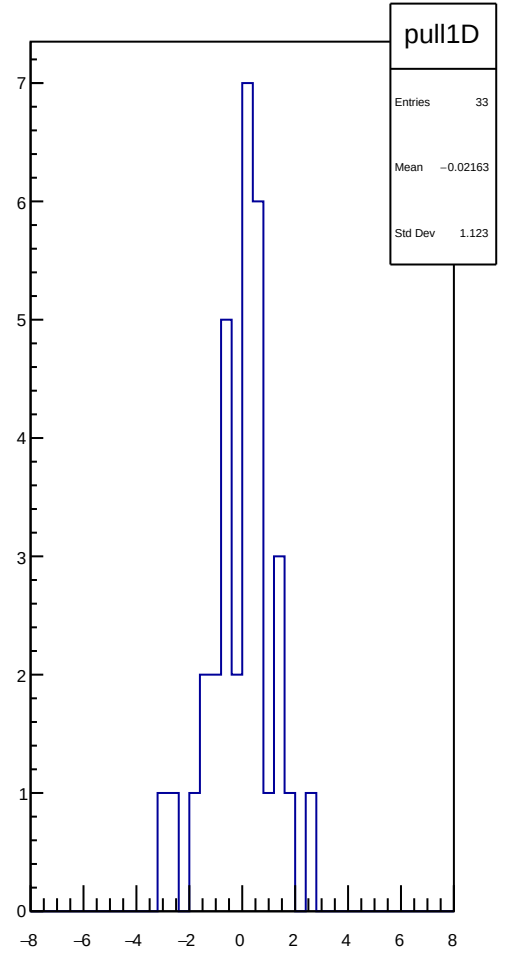

overload_cor_asym_usl_rms vs run
χ² / ndf 29.23 / 32
p0 1078 ± 1.324
1100
1090
1080
1070
1060
1050
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

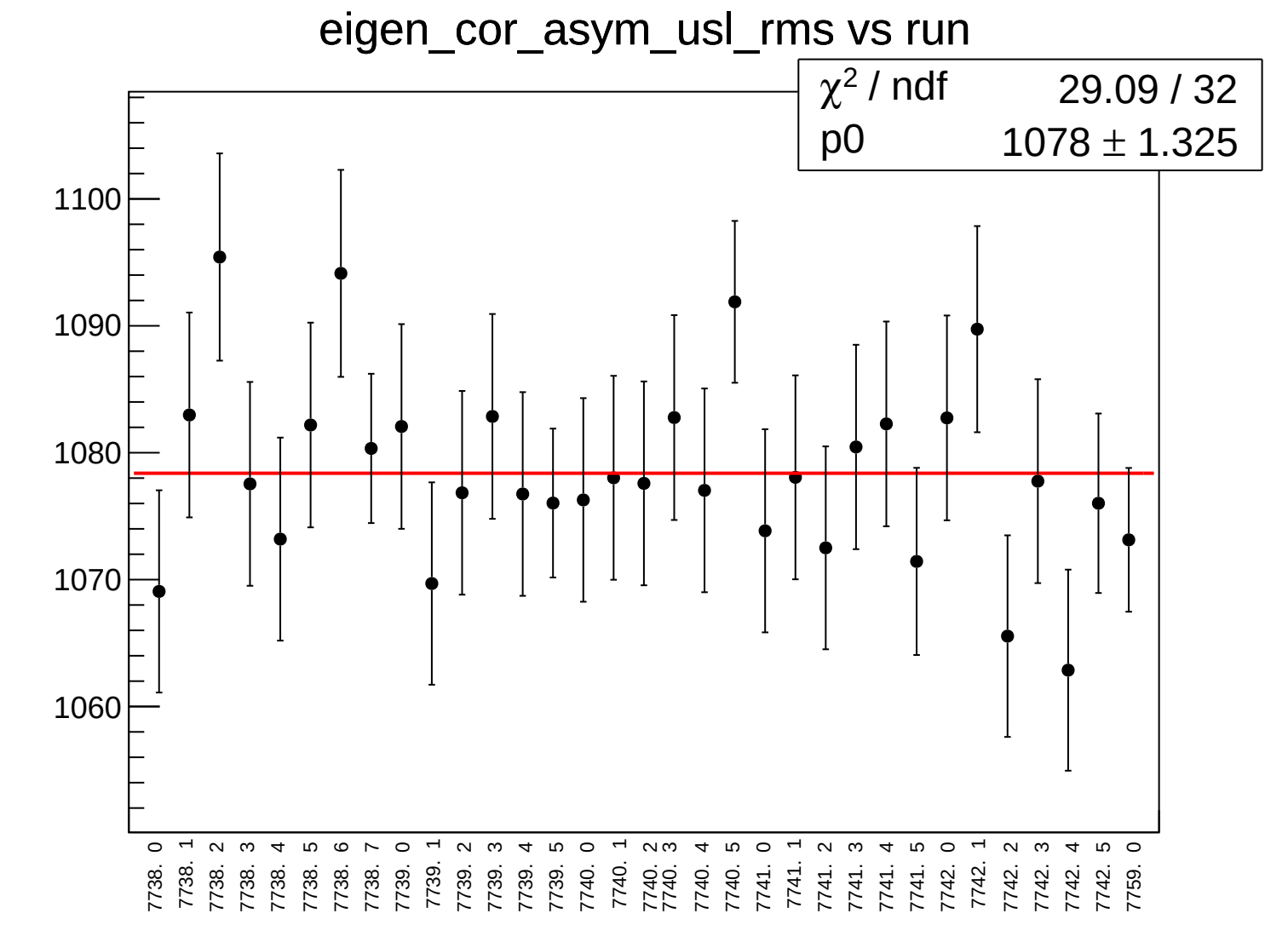

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 23.45 / 32
p0 −478.2 ± 2271
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 115.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

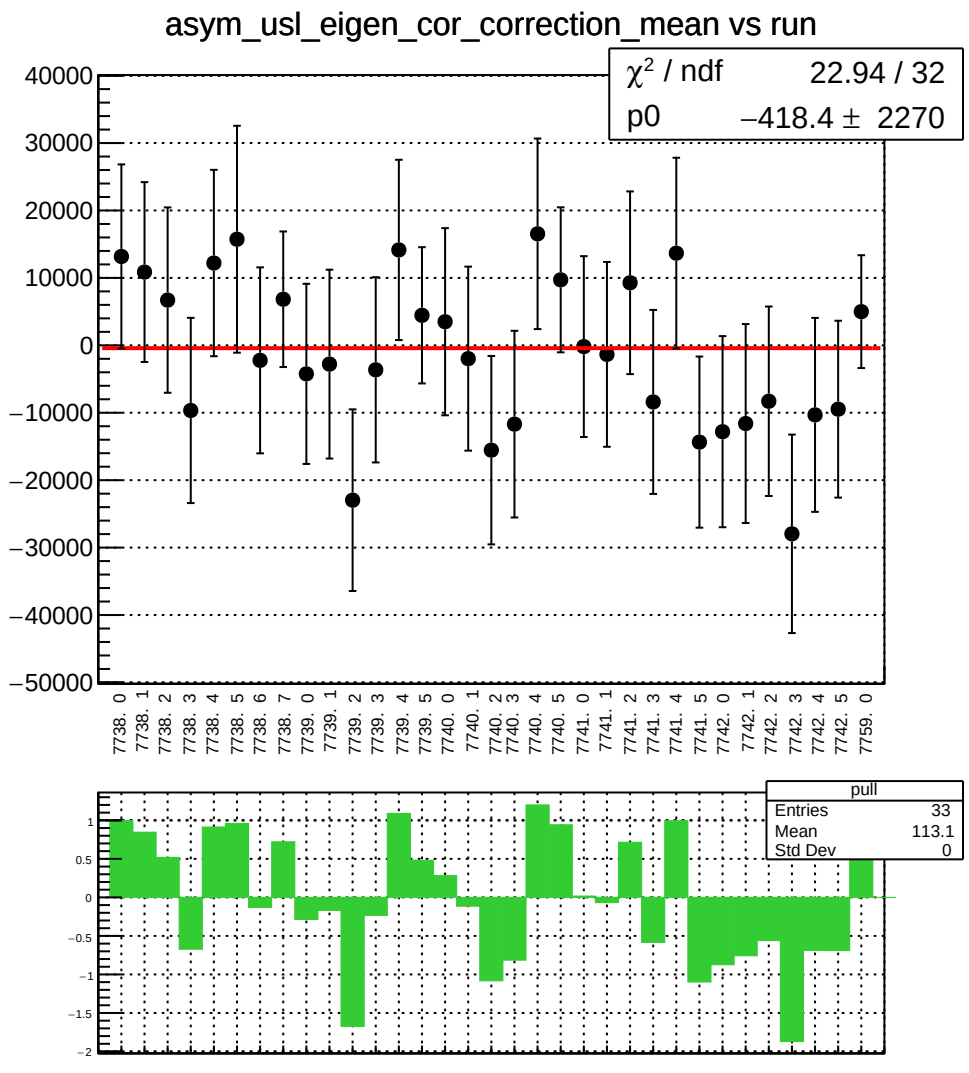

pull1D
Entries 33
Mean −0.0306
Std Dev 0.8425
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

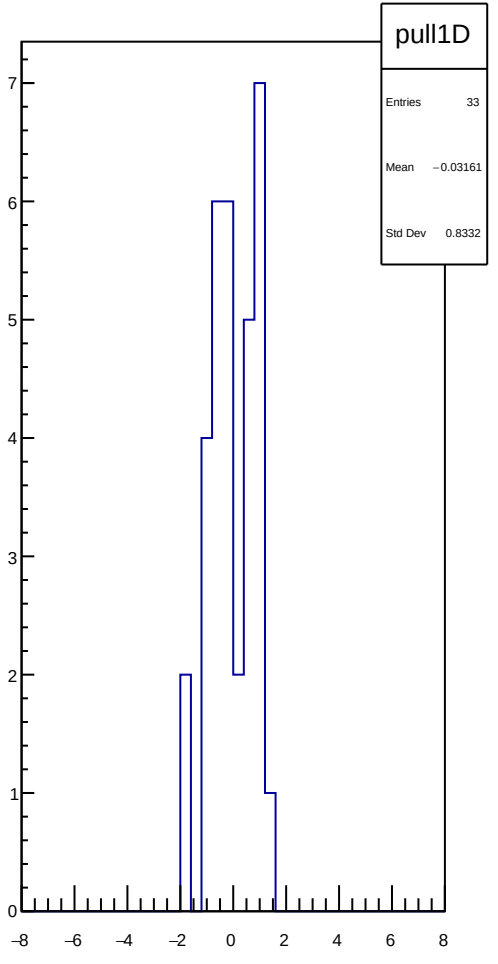

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2032 / 32
p0 1306 ± 1.606
1600
1500
1400
1300
1200
1100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

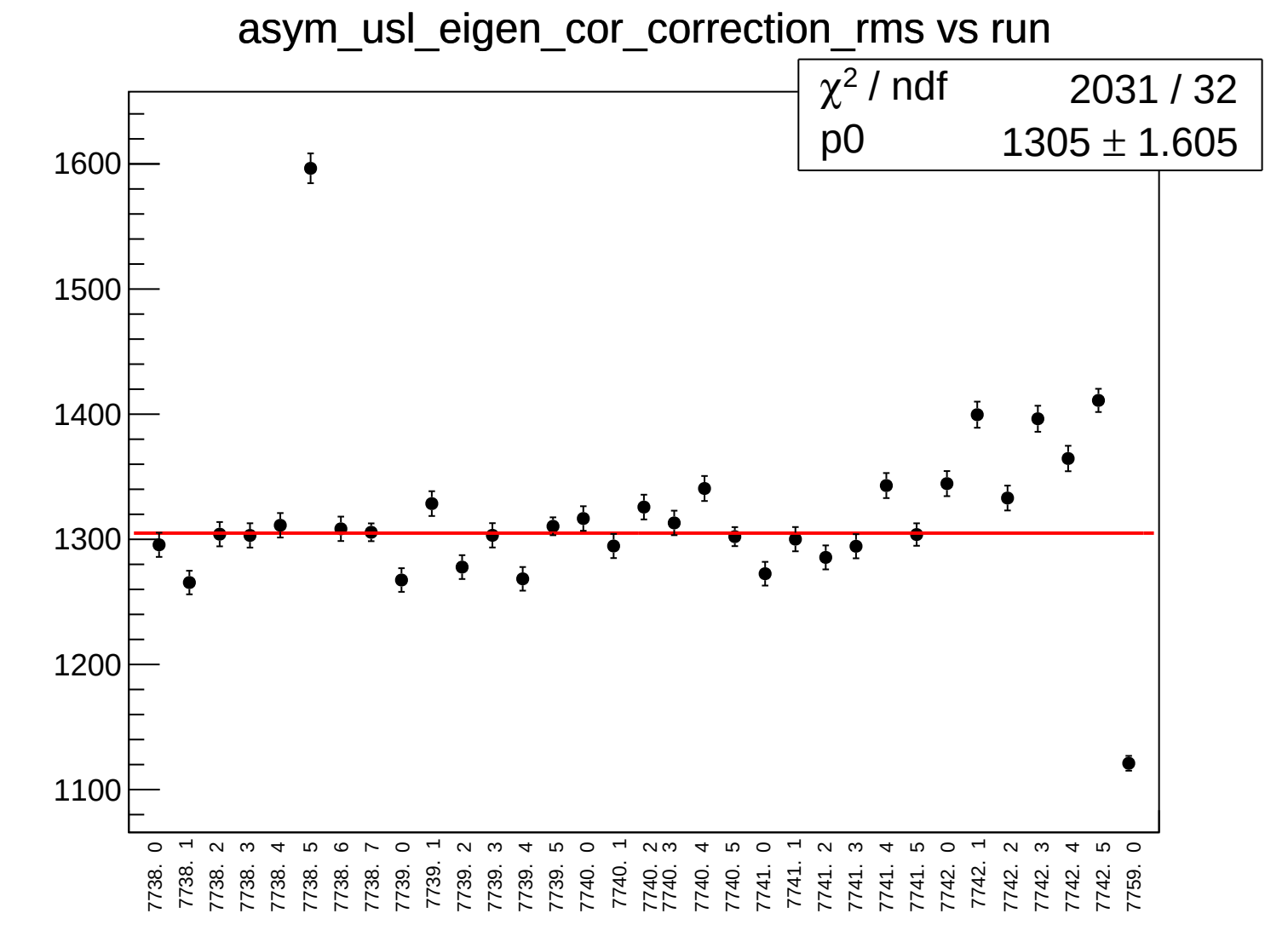

eigen_cor_asym_usl_mean vs run
χ² / ndf 41.6 / 32
p0 −1946 ± 1873
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.08
Std Dev 0
2
1
0
−1
−2
−3

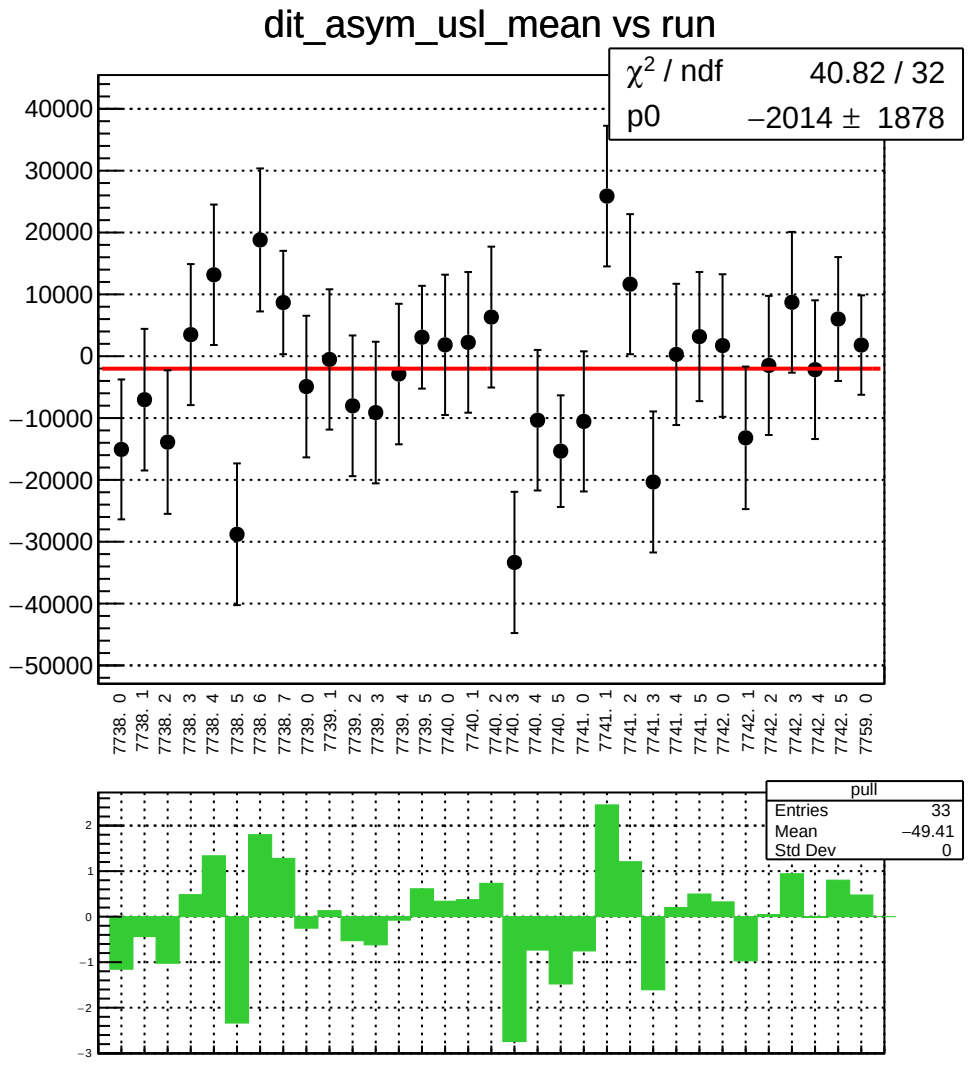

pull1D
Entries 33
Mean −0.02163
Std Dev 1.123
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

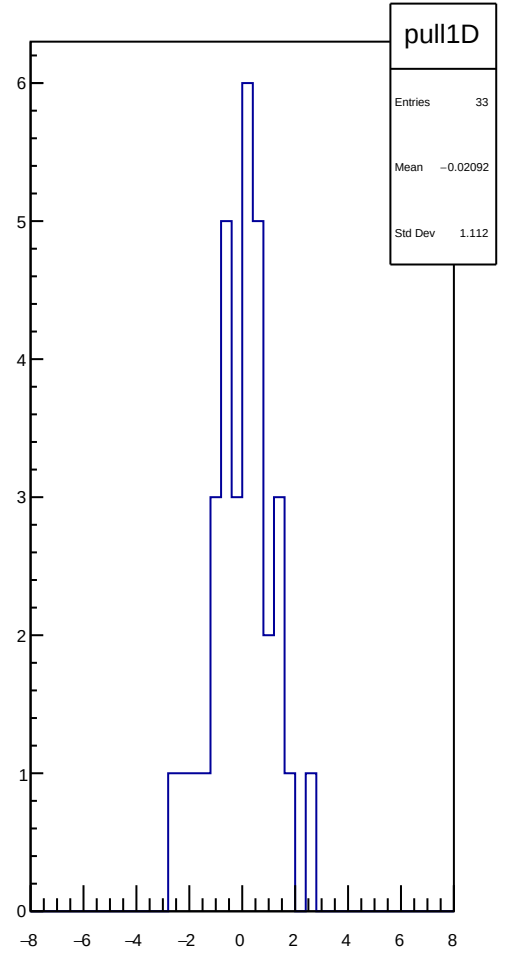

eigen_cor_asym_usl_rms vs run
χ² / ndf 29.09 / 32
p0 1078 ± 1.325
1100
1090
1080
1070
1060
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

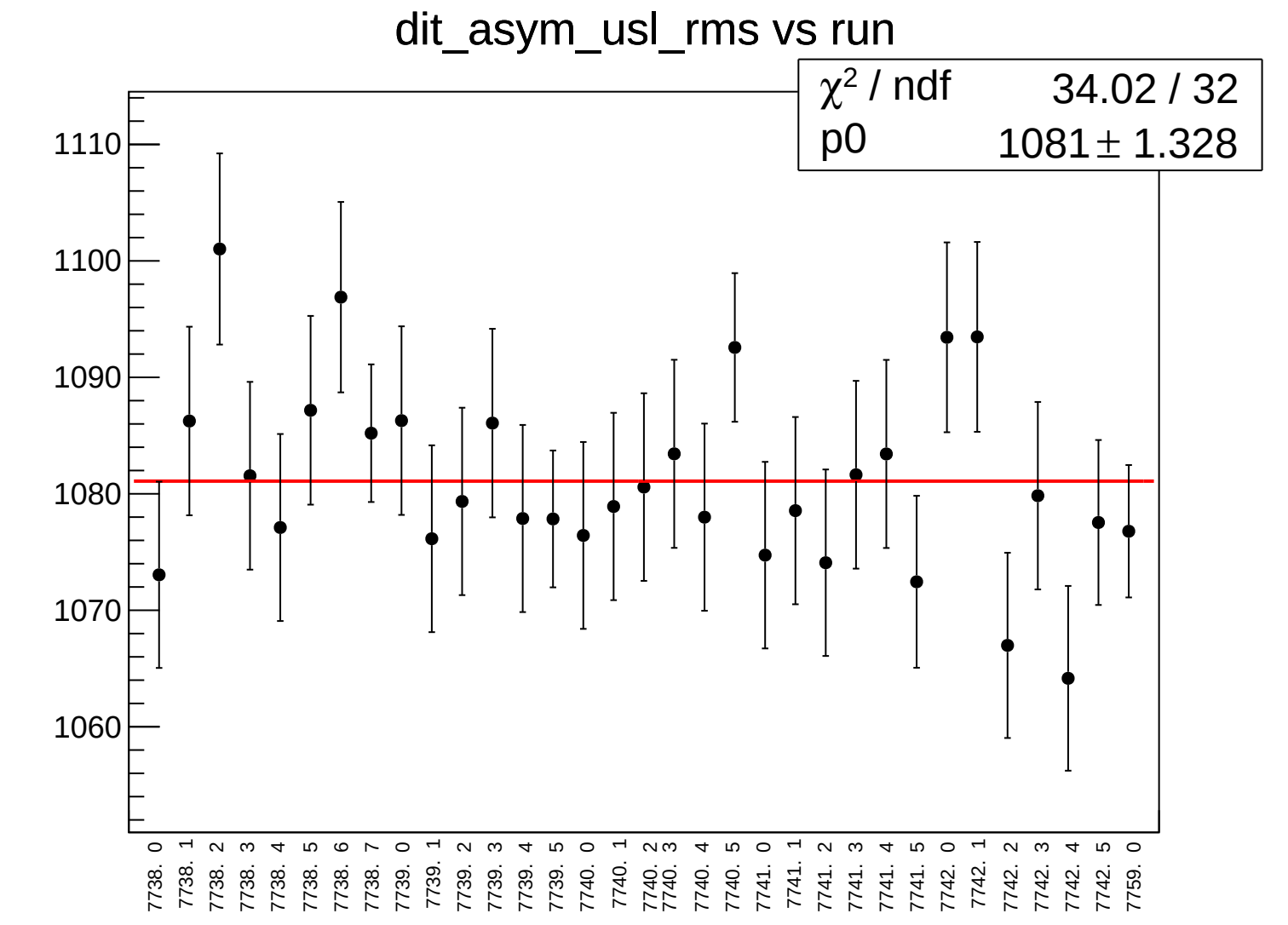

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 22.94 / 32
p0 −418.4 ± 2270
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 113.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

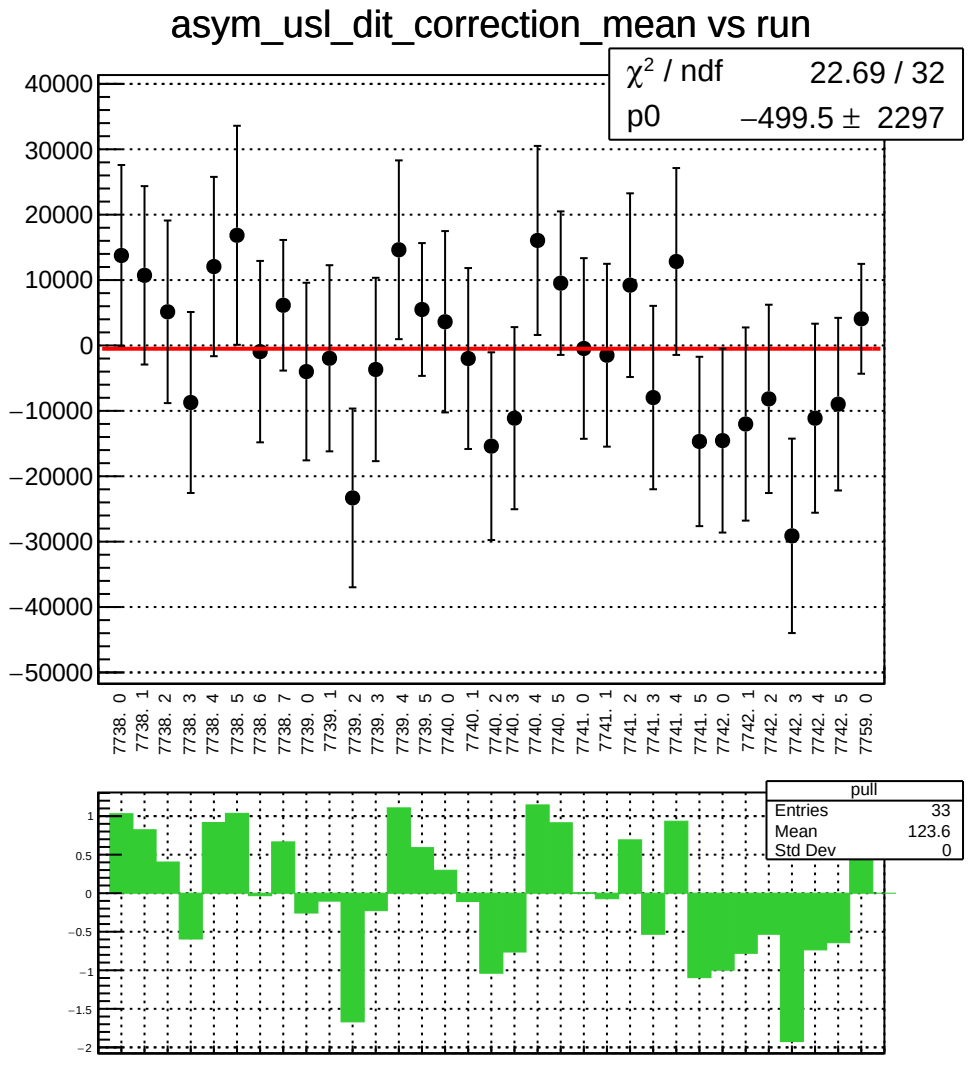

pull1D
Entries 33
Mean −0.03161
Std Dev 0.8332
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

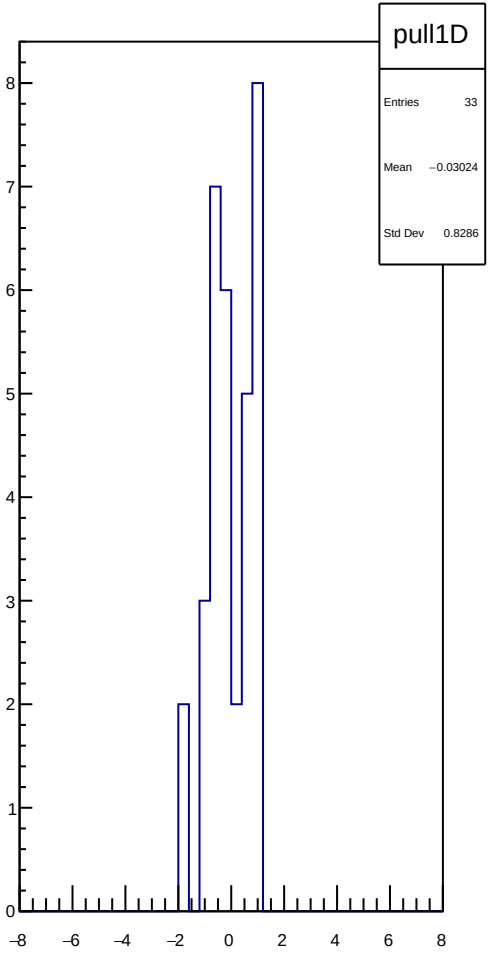

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2031 / 32
p0 1305 ± 1.605
1600
1500
1400
1300
1200
1100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

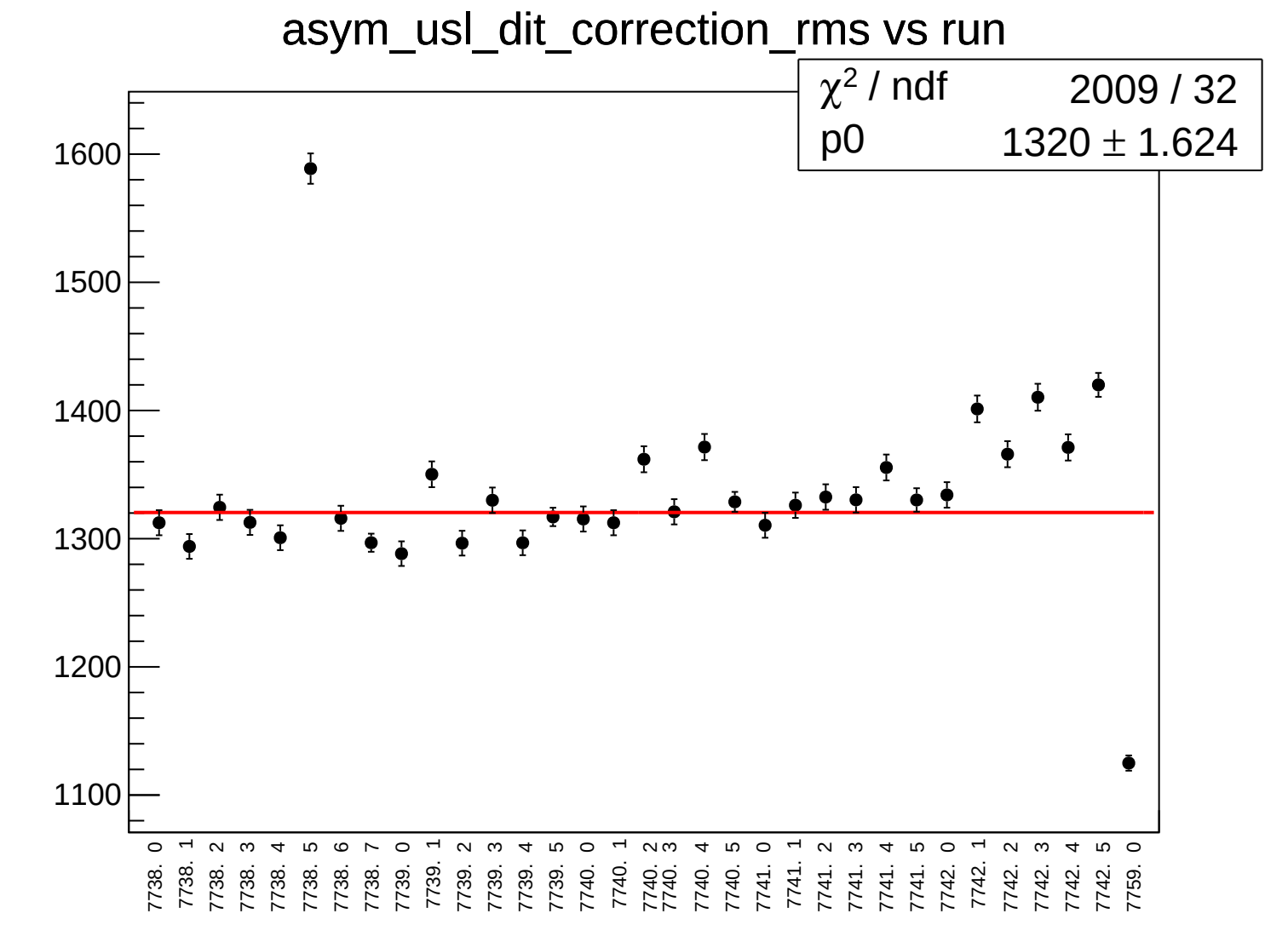

dit_asym_usl_mean vs run
χ² / ndf 40.82 / 32
p0 −2014 ± 1878
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −49.41
Std Dev 0
2
1
0
−1
−2
−3

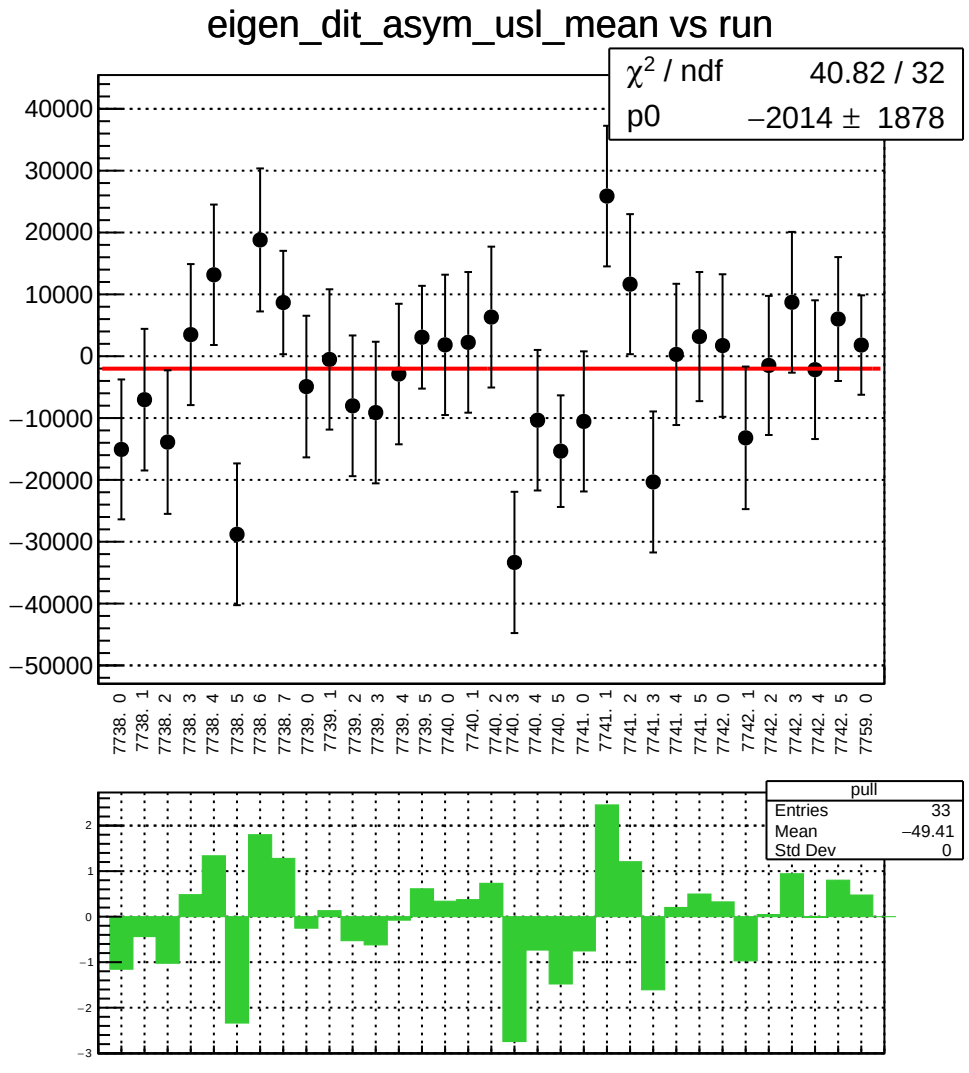

pull1D
Entries 33
Mean −0.02092
Std Dev 1.112
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

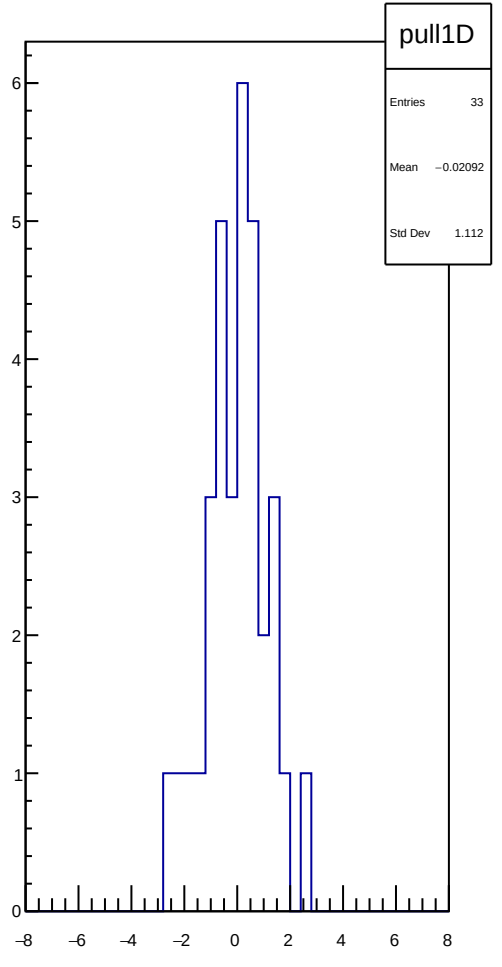

dit_asym_usl_rms vs run
χ² / ndf 34.02 / 32
p0 1081 ± 1.328
1110
1100
1090
1080
1070
1060
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

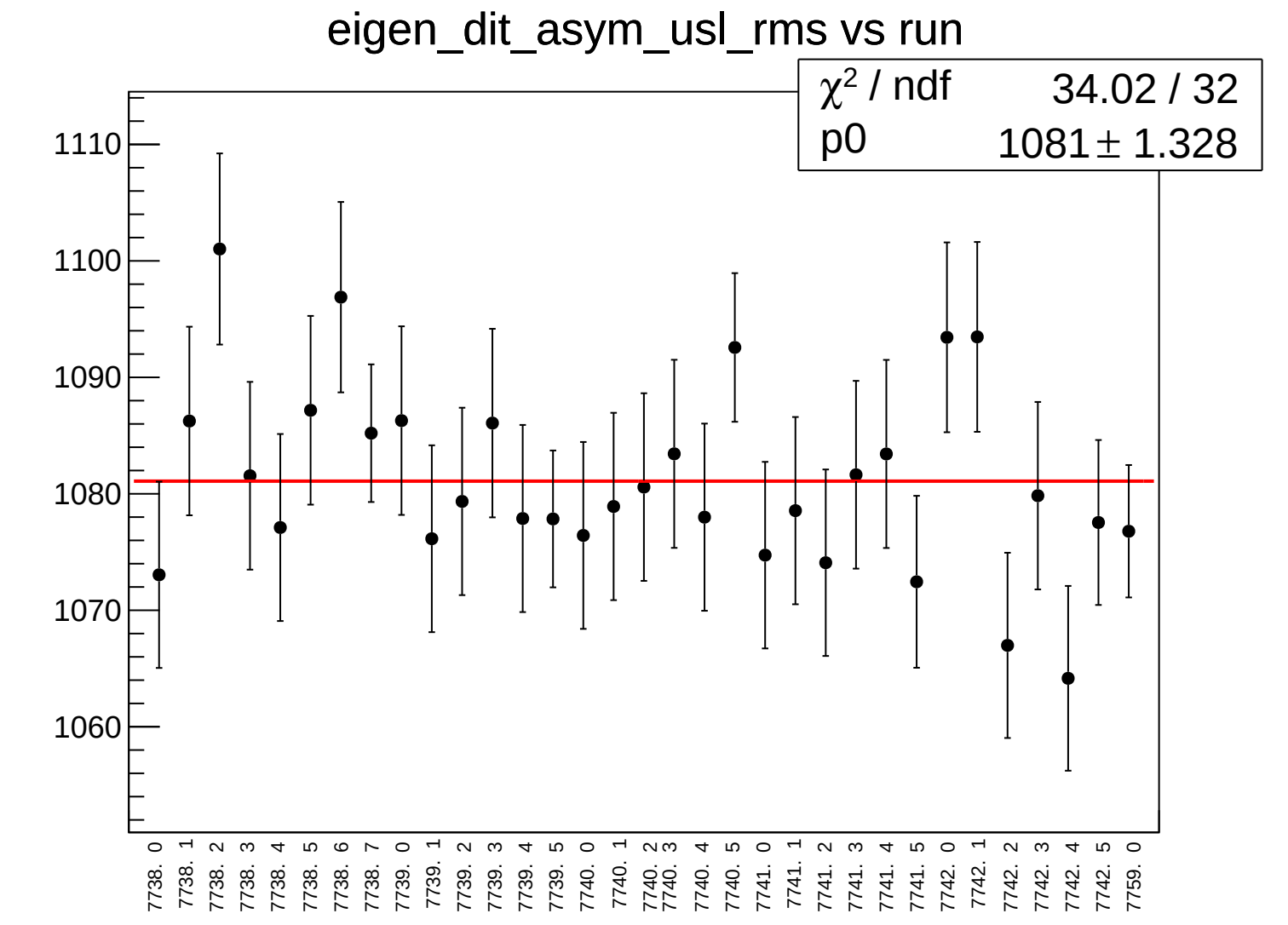

asym_usl_dit_correction_mean vs run
χ² / ndf 22.69 / 32
p0 −499.5 ± 2297
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 123.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

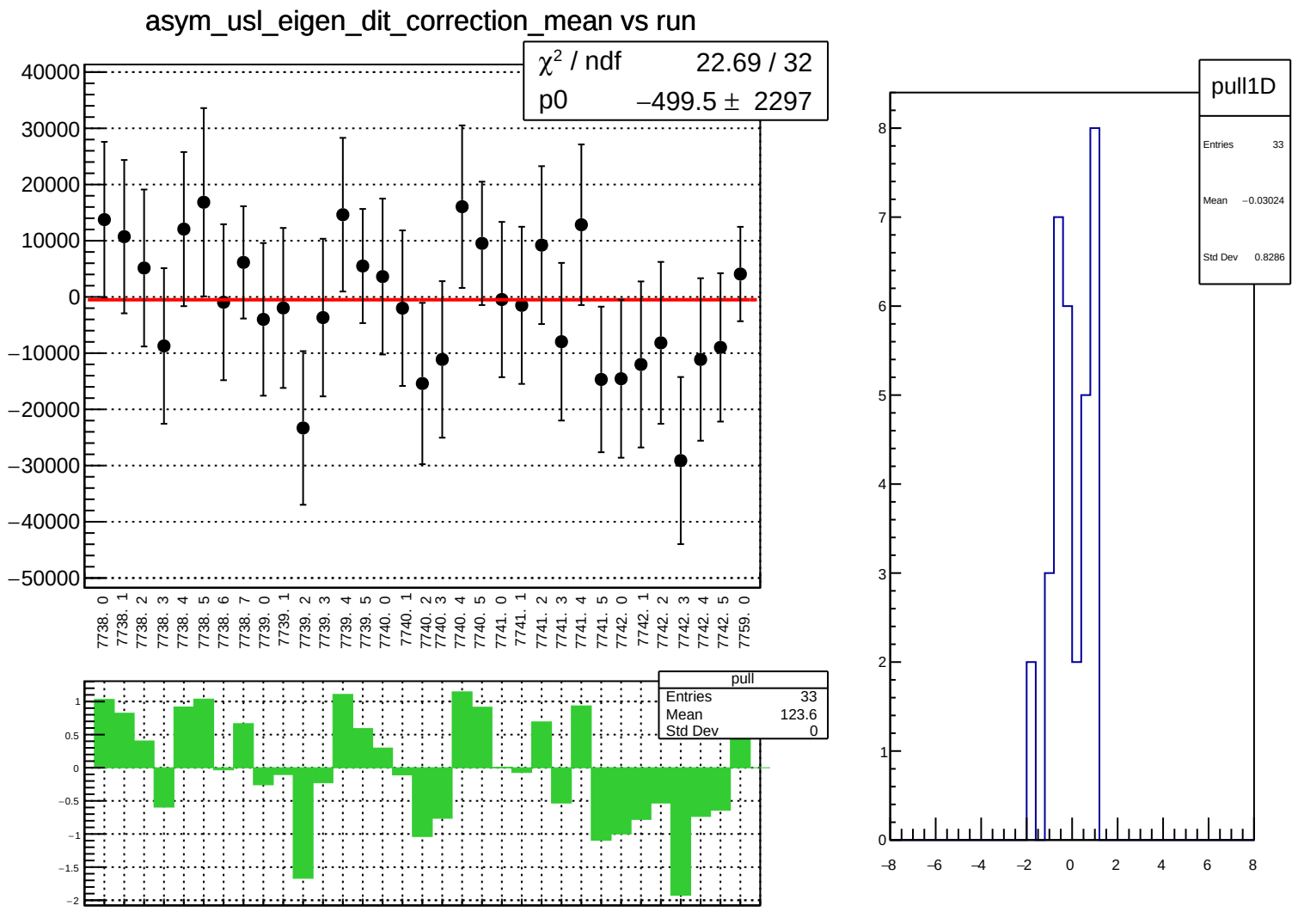

pull1D
Entries 33
Mean −0.03024
Std Dev 0.8286
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

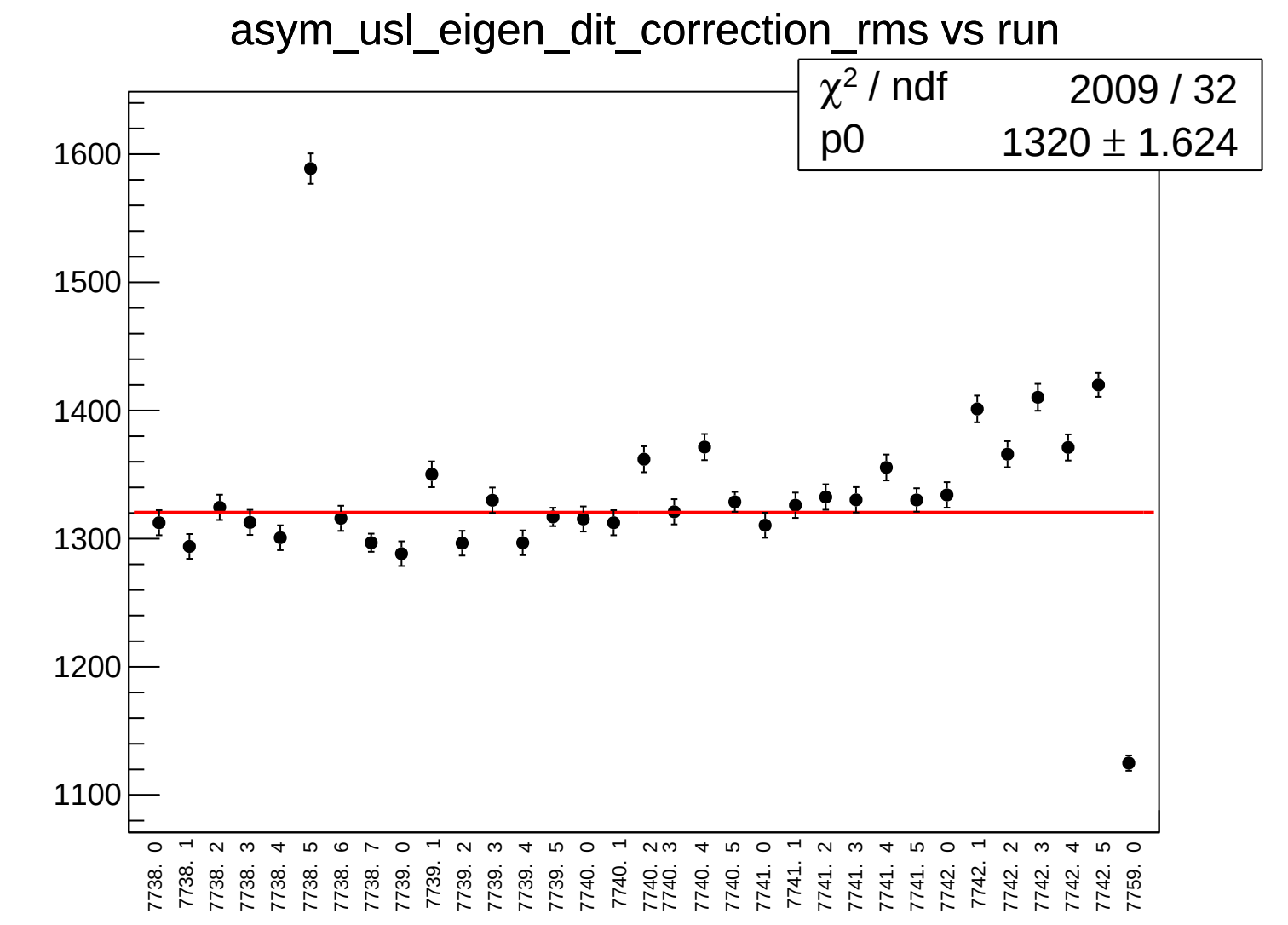

asym_usl_dit_correction_rms vs run
χ² / ndf 2009 / 32
p0 1320 ± 1.624
1600
1500
1400
1300
1200
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

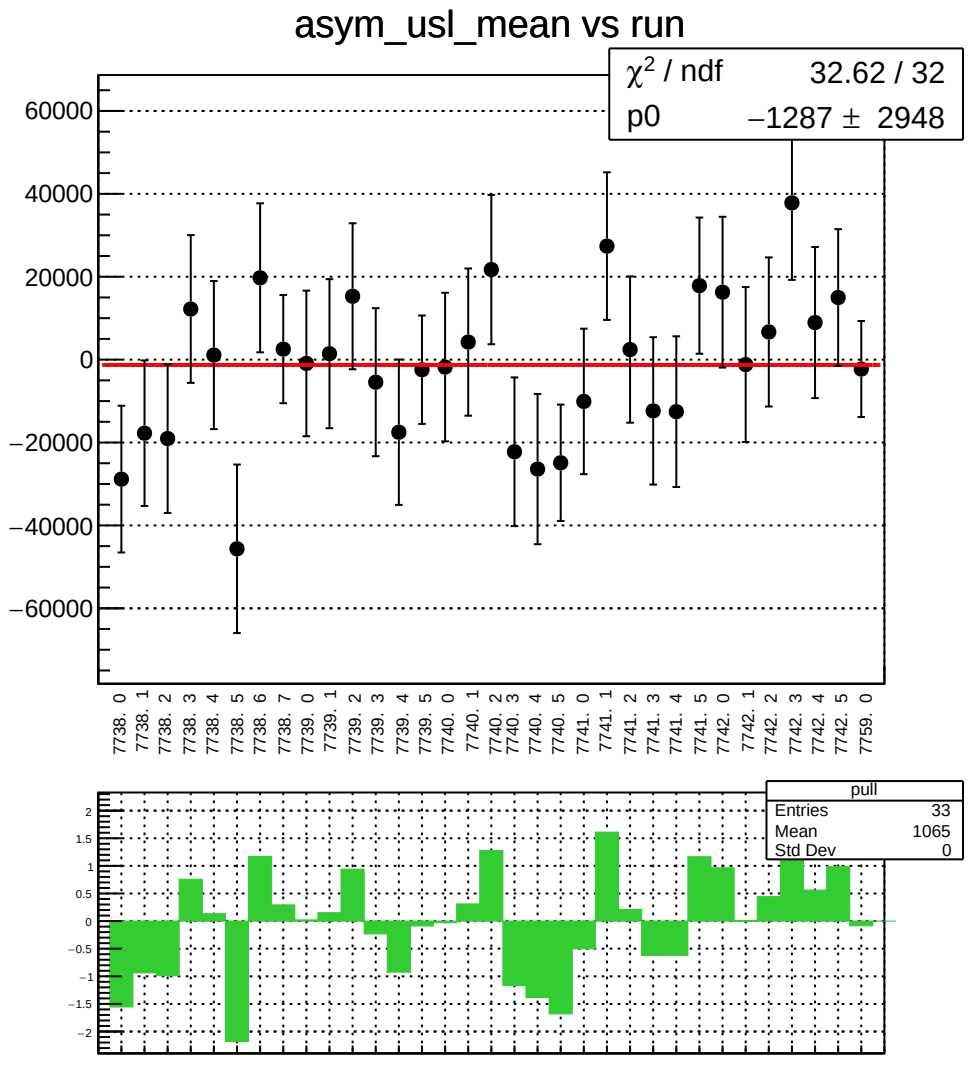

eigen_dit_asym_usl_mean vs run
χ² / ndf 40.82 / 32
p0 −2014 ± 1878
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −49.41
Std Dev 0
2
1
0
−1
−2
−3

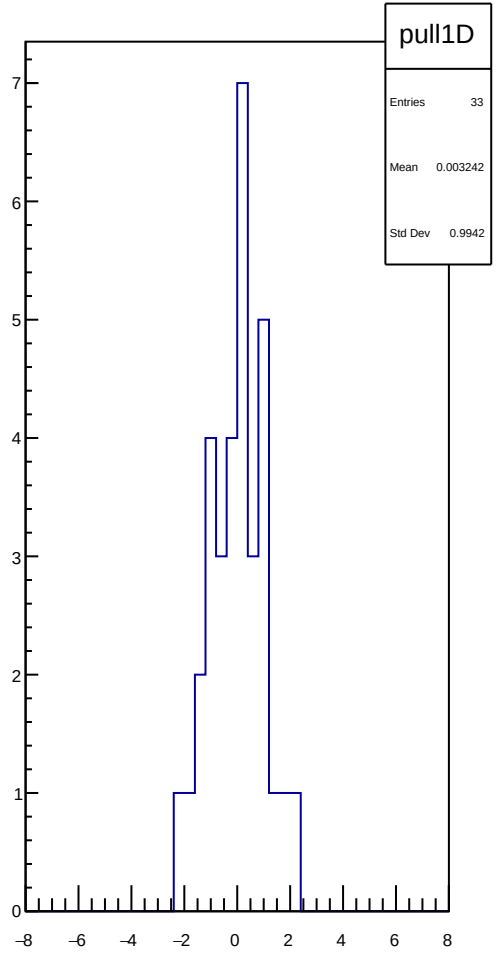

pull1D
Entries 33
Mean −0.02092
Std Dev 1.112
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

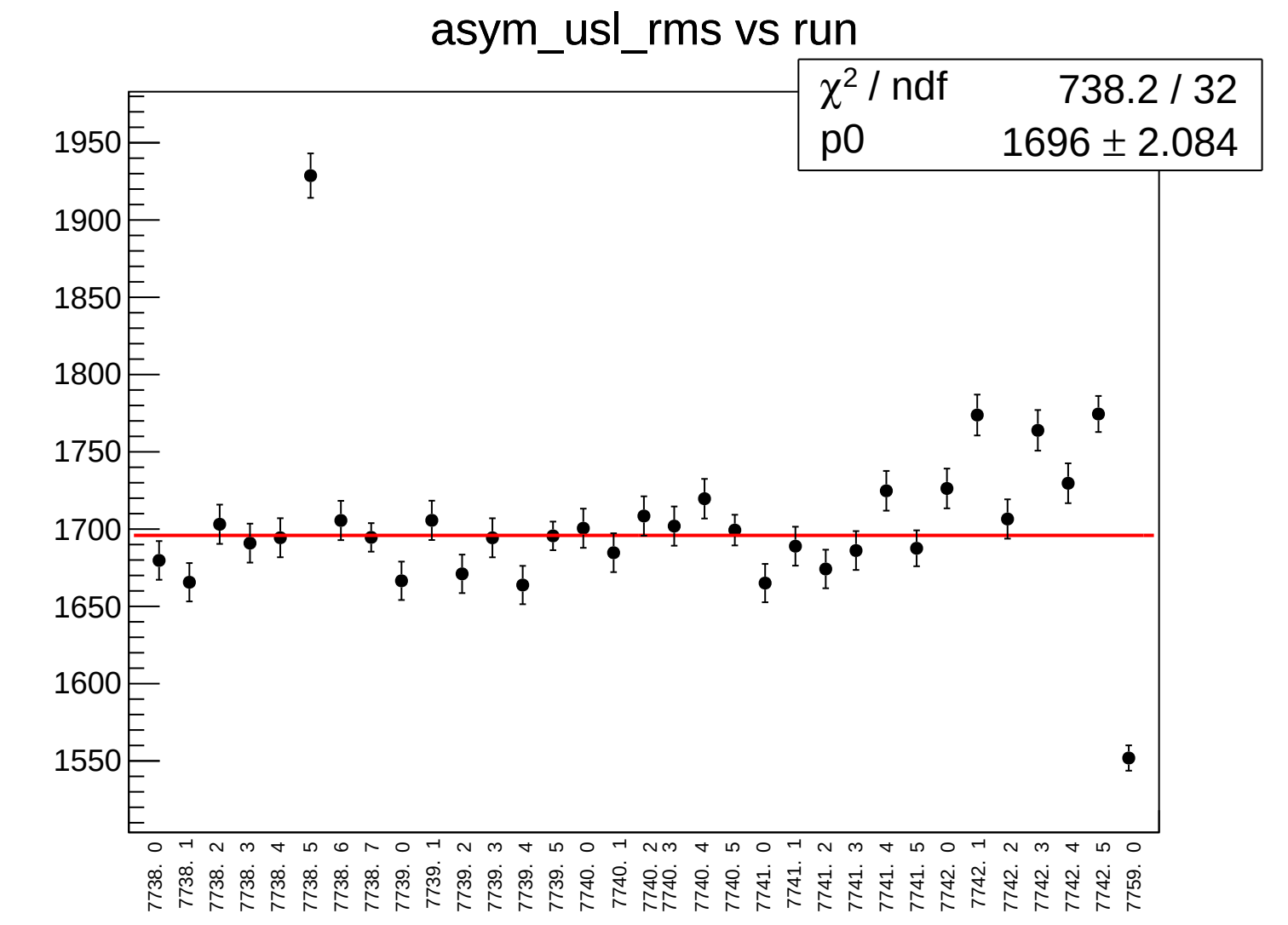

eigen_dit_asym_usl_rms vs run
χ² / ndf 34.02 / 32
p0 1081 ± 1.328
1110
1100
1090
1080
1070
1060
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

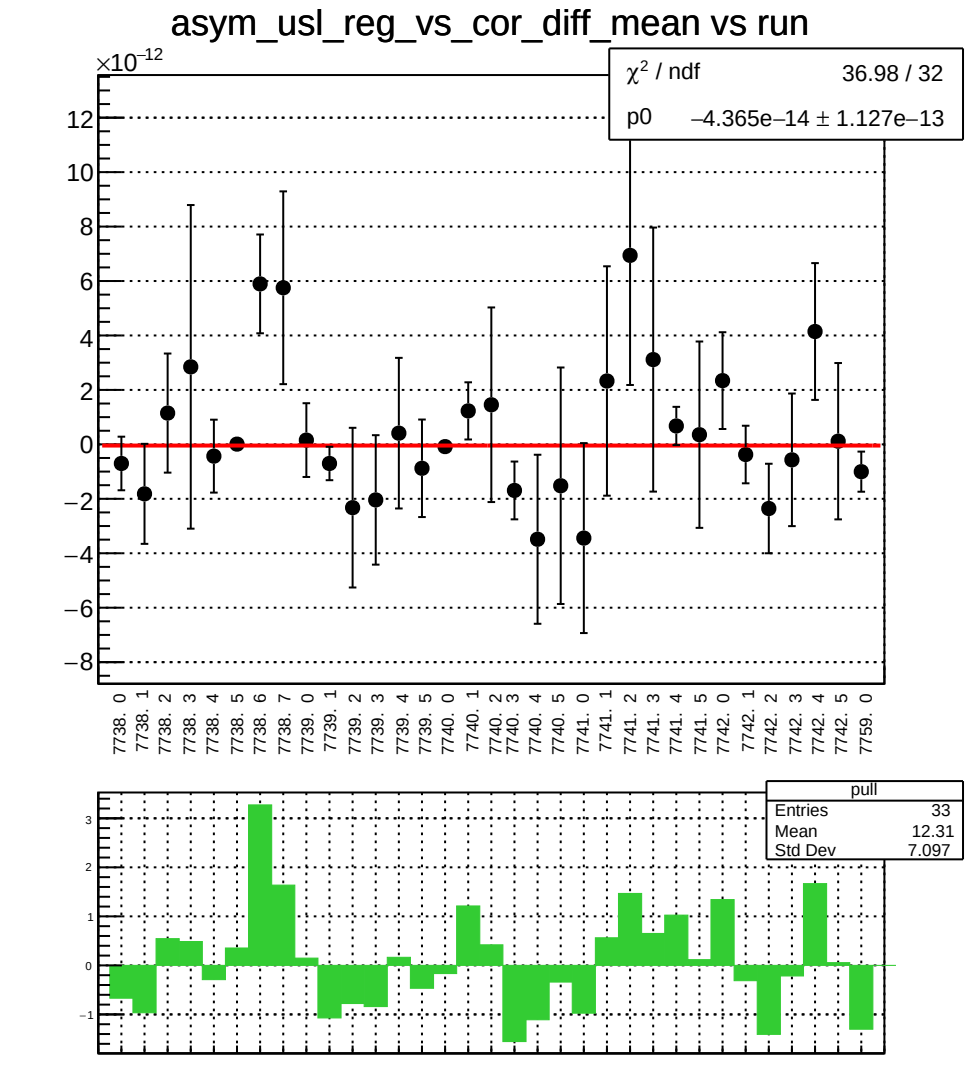

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 22.69 / 32
p0 −499.5 ± 2297
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 123.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.03024
Std Dev 0.8286
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

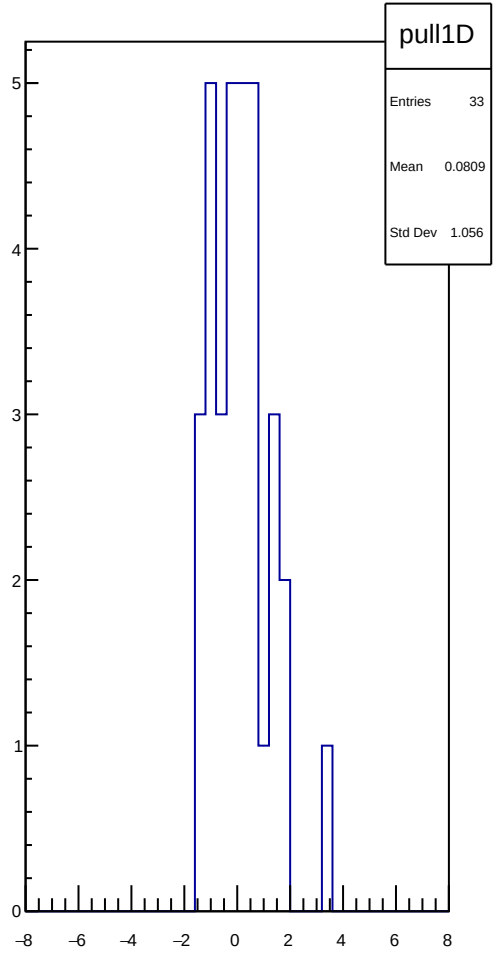

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 2009 / 32
p0 1320 ± 1.624
1600
1500
1400
1300
1200
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

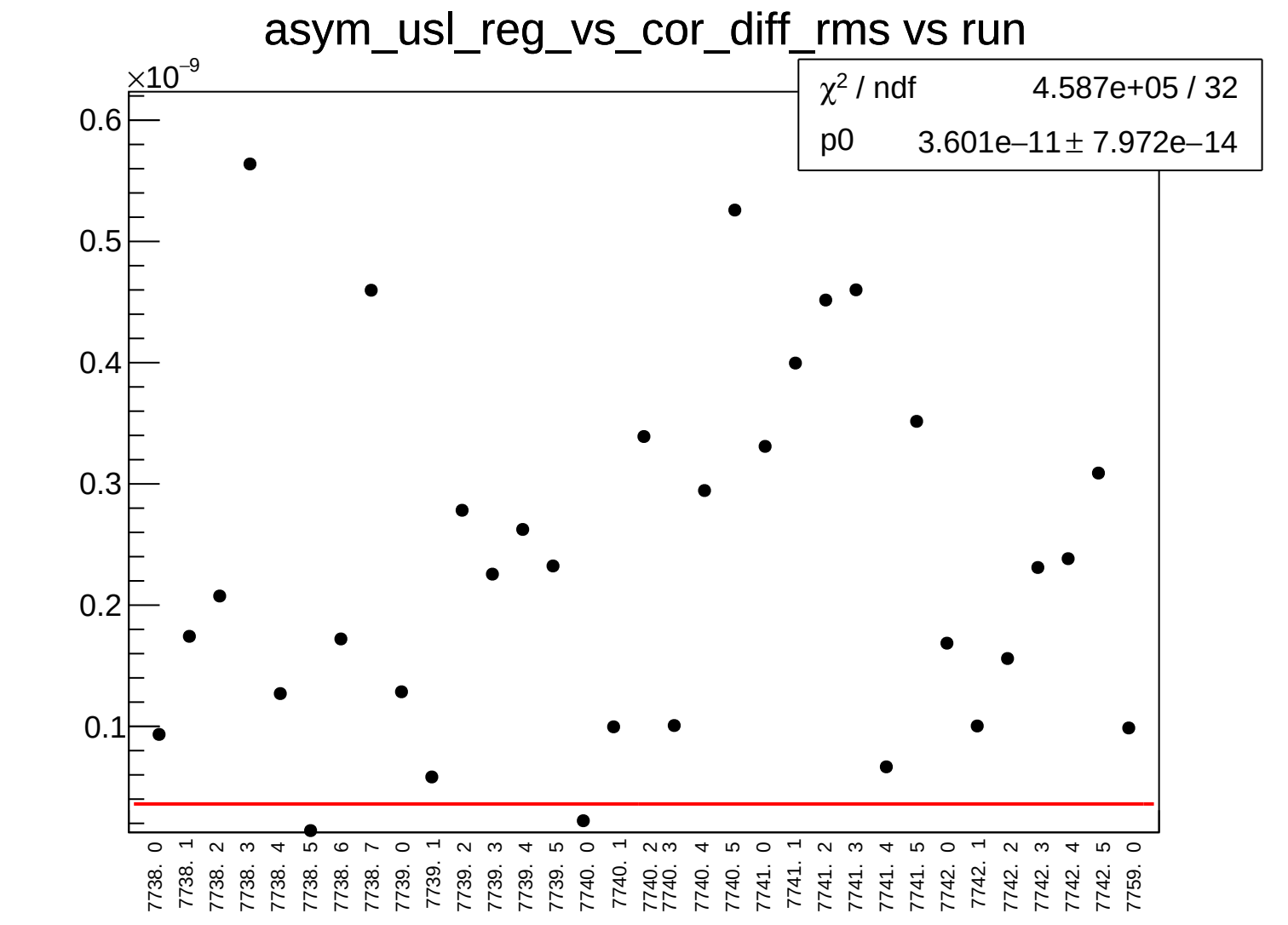

asym_usl_mean vs run
χ² / ndf 32.62 / 32
p0 −1287 ± 2948
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1065
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

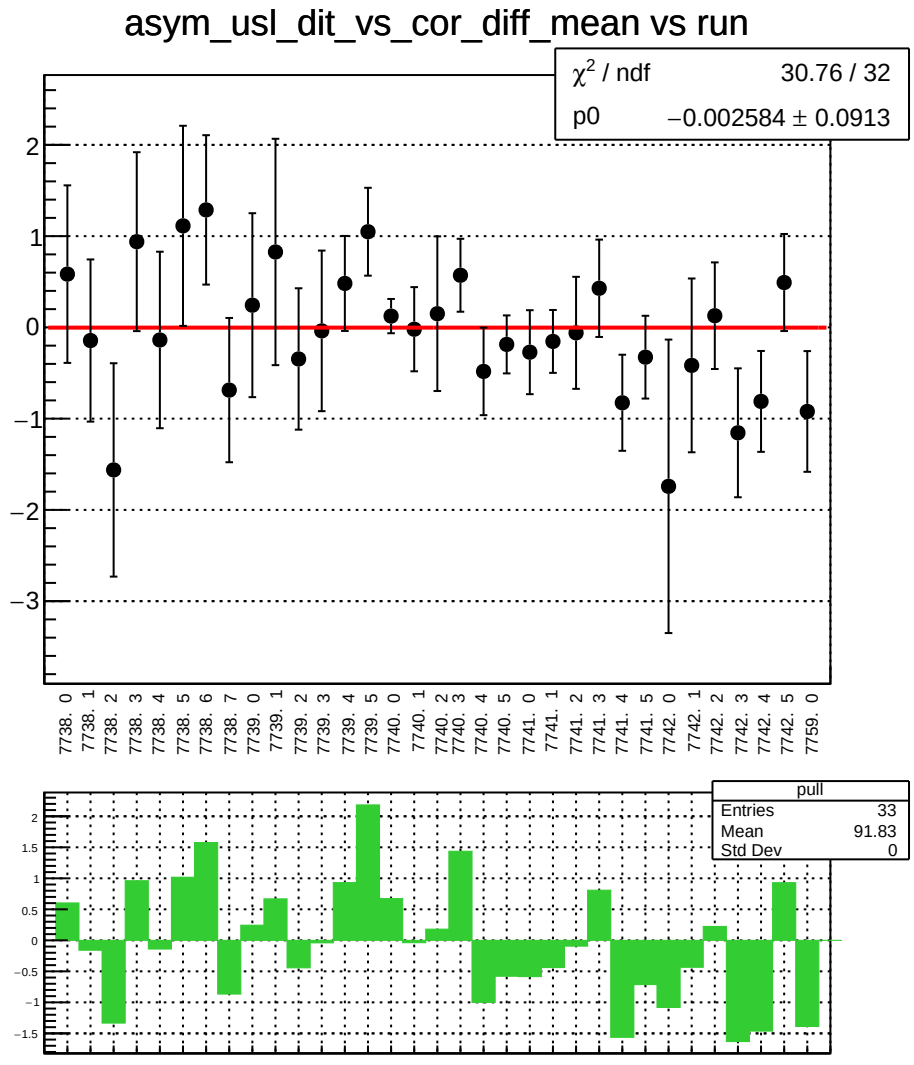

pull1D
Entries 33
Mean 0.003242
Std Dev 0.9942
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

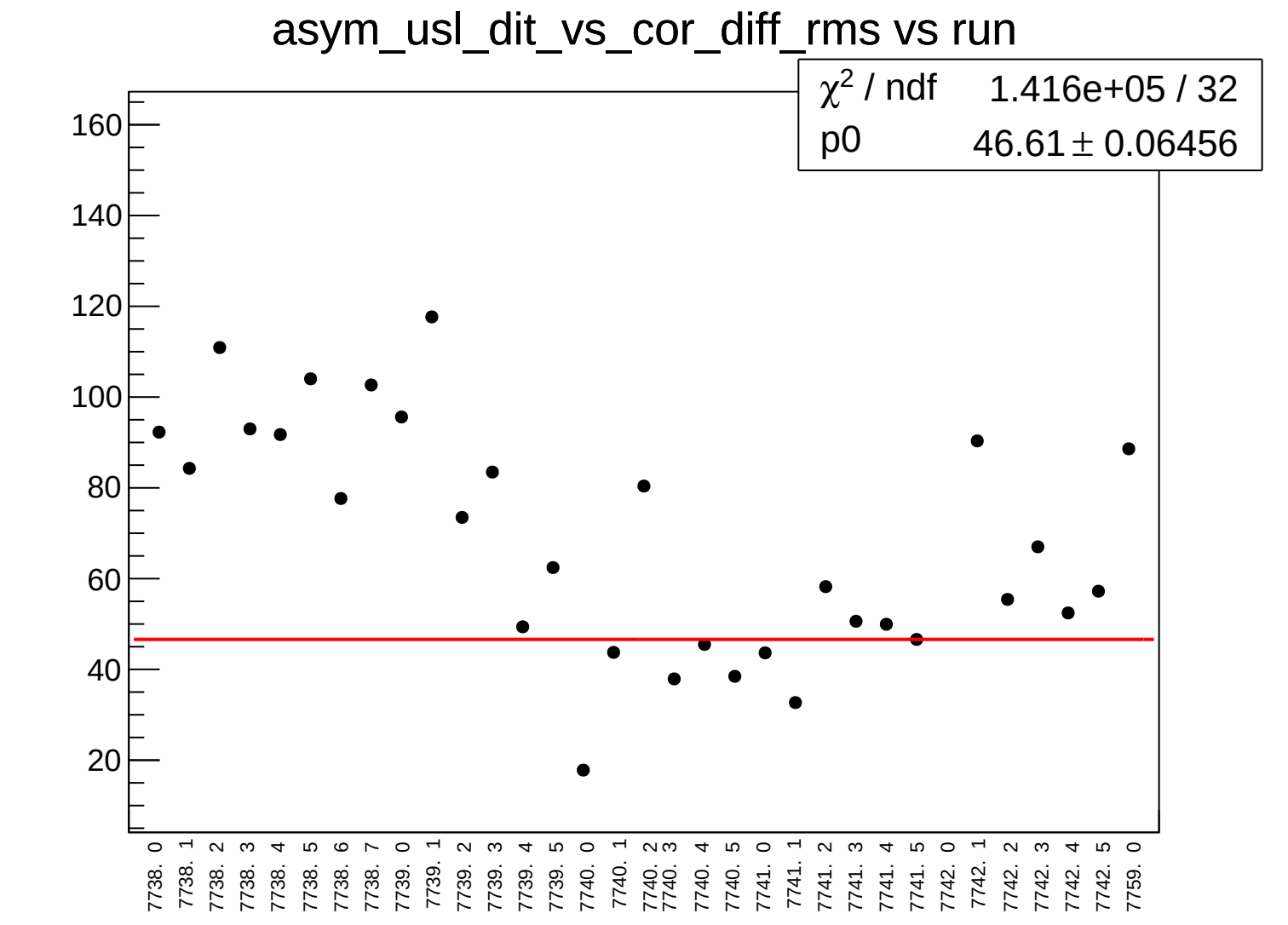

asym_usl_rms vs run
χ² / ndf 738.2 / 32
p0 1696 ± 2.084
1950
1900
1850
1800
1750
1700
1650
1600
1550
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

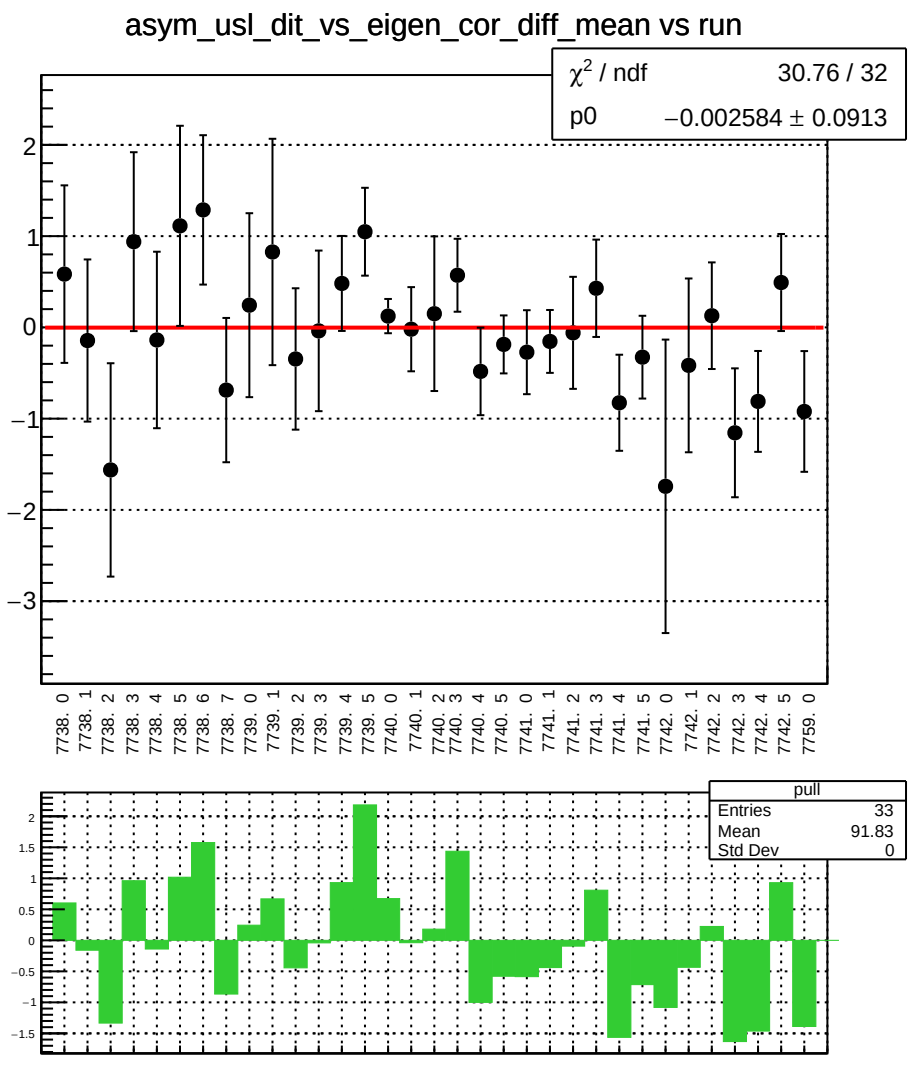

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.98 / 32
p0 −4.365e−14 ± 1.127e−13
12
10
8
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.31
Std Dev 7.097
3
2
1
0
−1

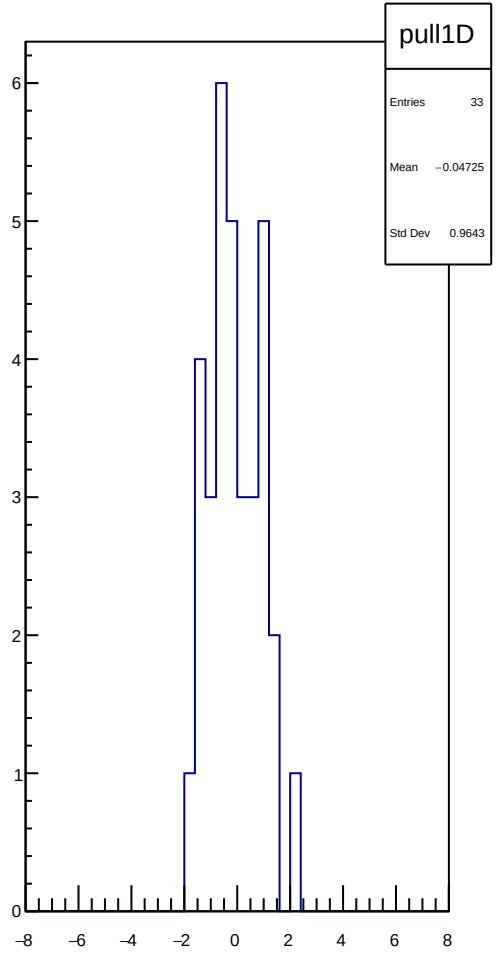

pull1D
Entries 33
Mean 0.0809
Std Dev 1.056
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

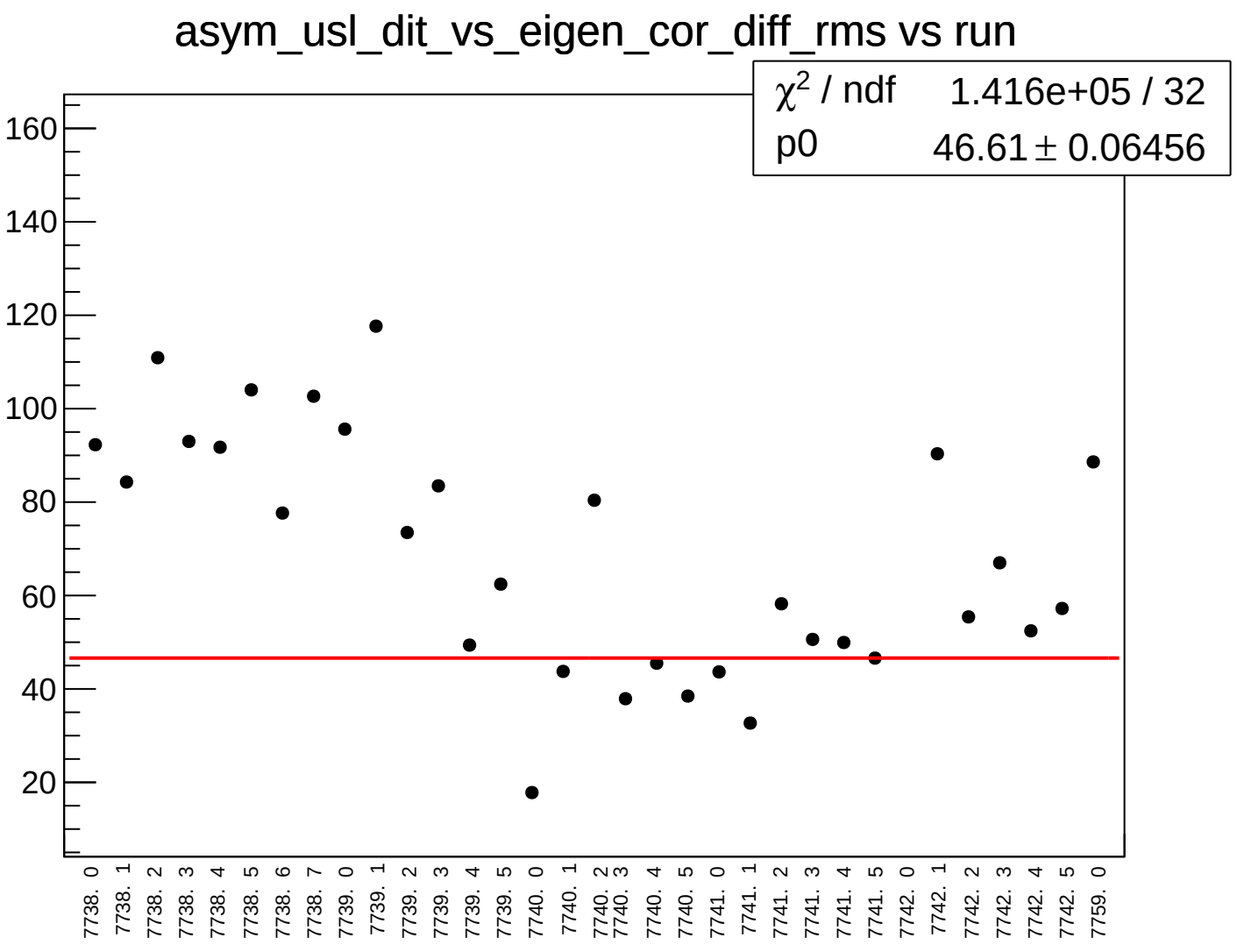

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.587e+05 / 32
p0 3.601e−11 ± 7.972e−14
0.6
0.5
0.4
0.3
0.2
0.1
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

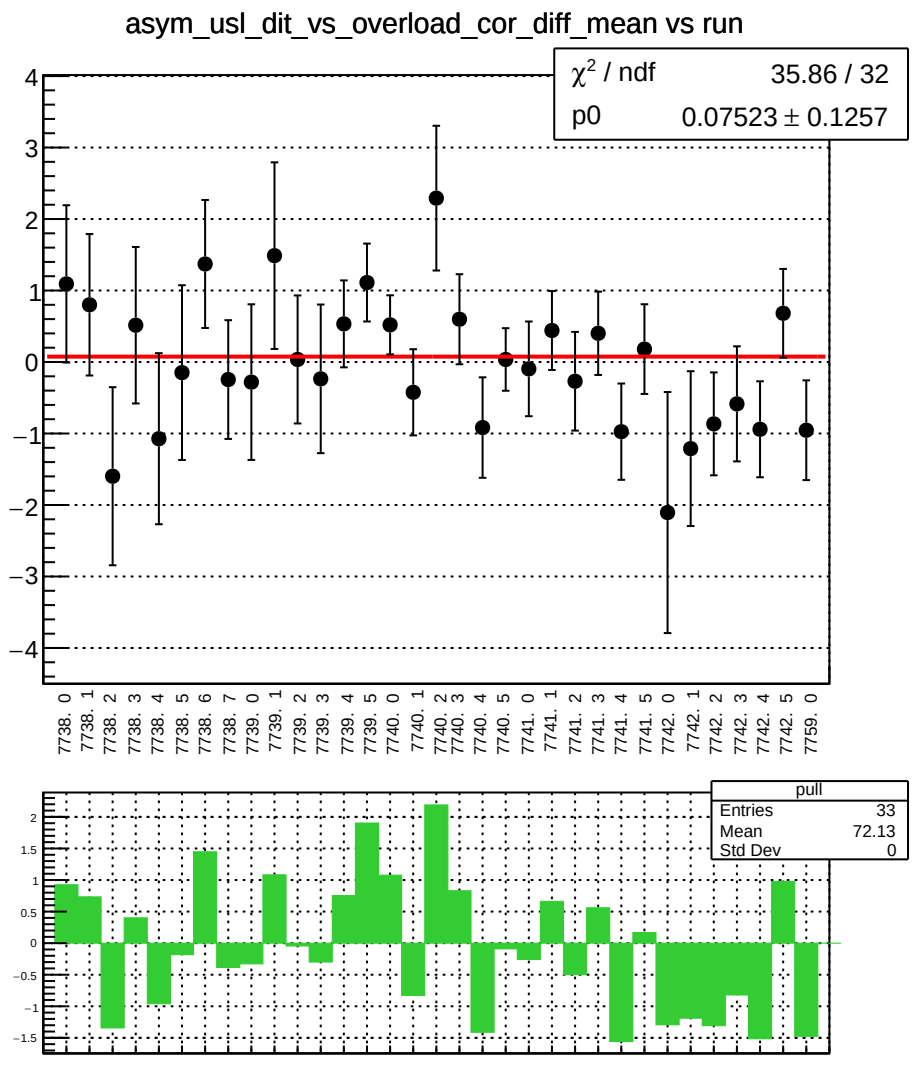

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 30.76 / 32
p0 −0.002584 ± 0.0913
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 91.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.04725
Std Dev 0.9643
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

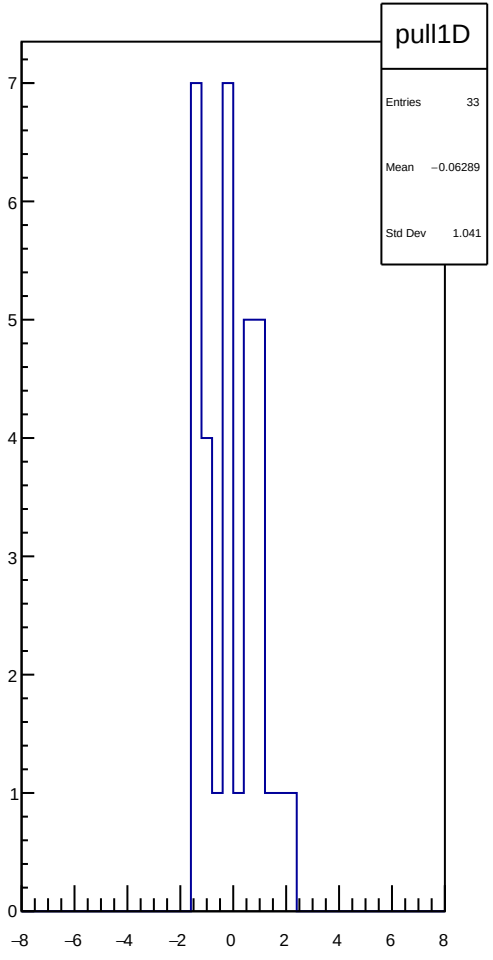

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.416e+05 / 32
p0 46.61 ± 0.06456
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

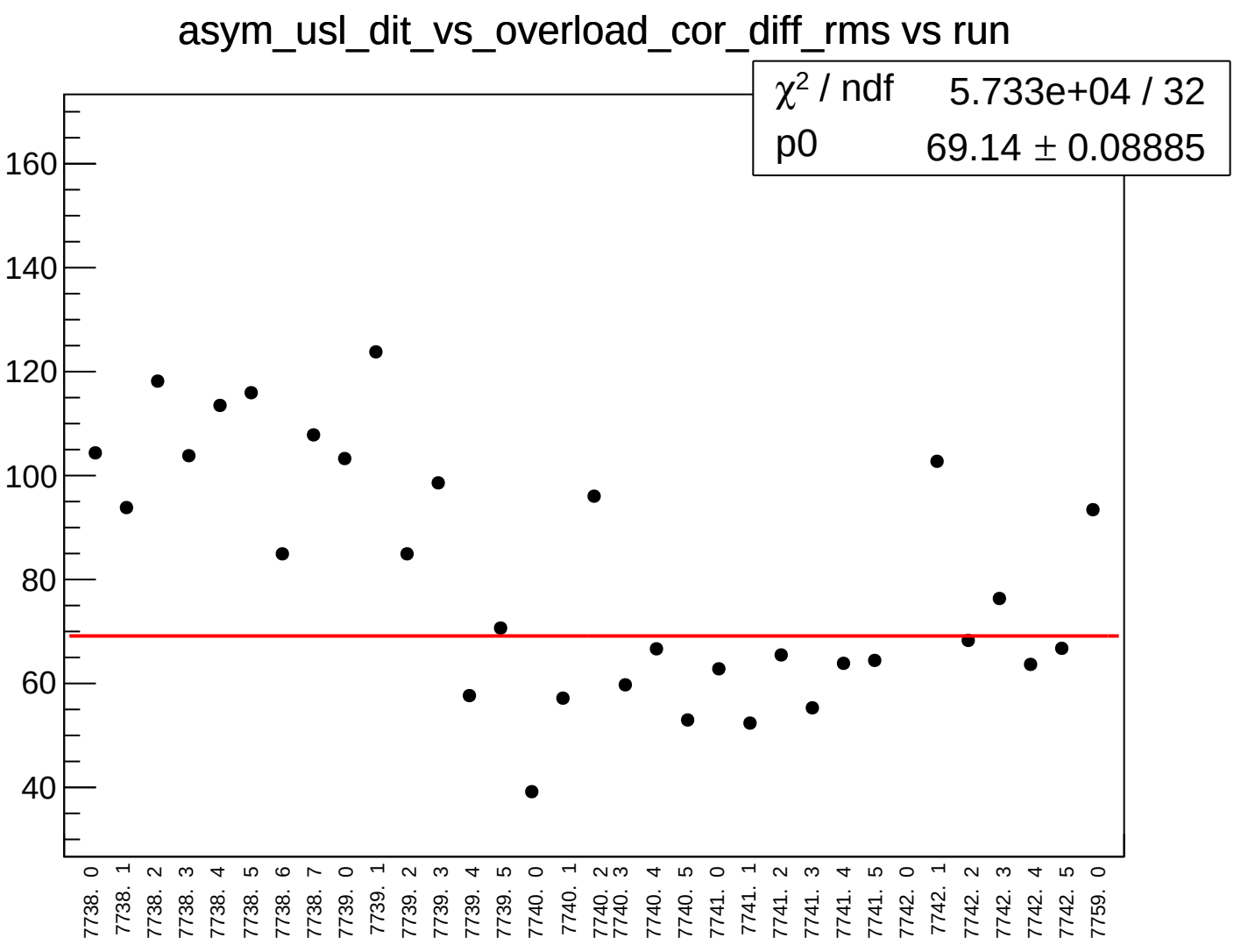

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.76 / 32
p0 −0.002584 ± 0.0913
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 91.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

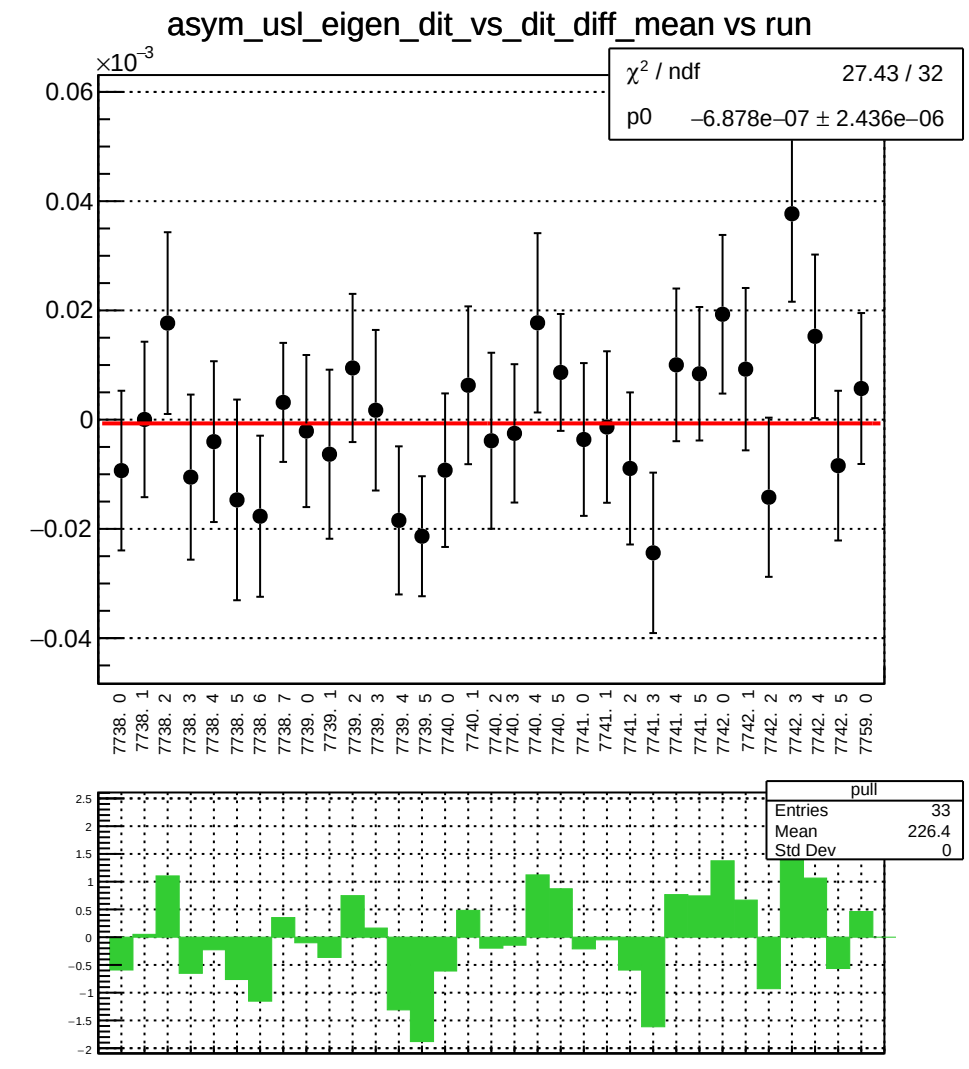

pull1D
Entries 33
Mean −0.04725
Std Dev 0.9643
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

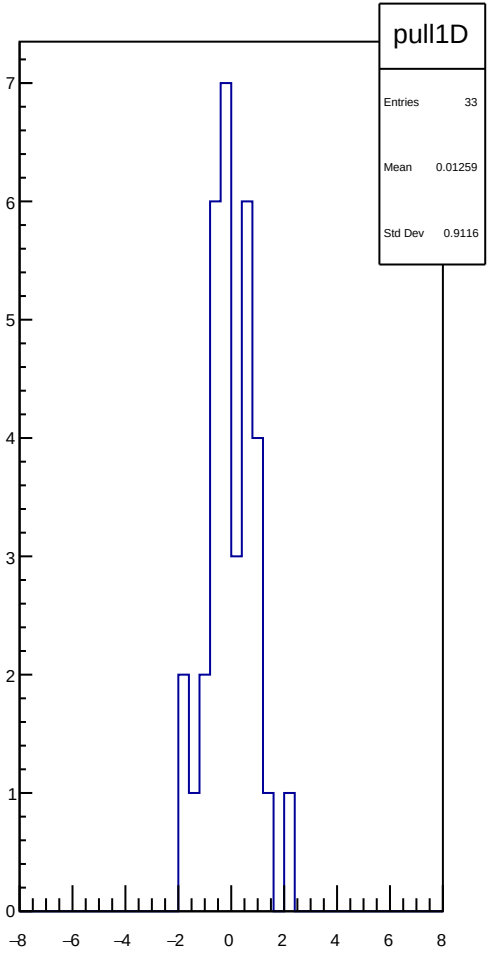

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.416e+05 / 32
p0 46.61 ± 0.06456
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

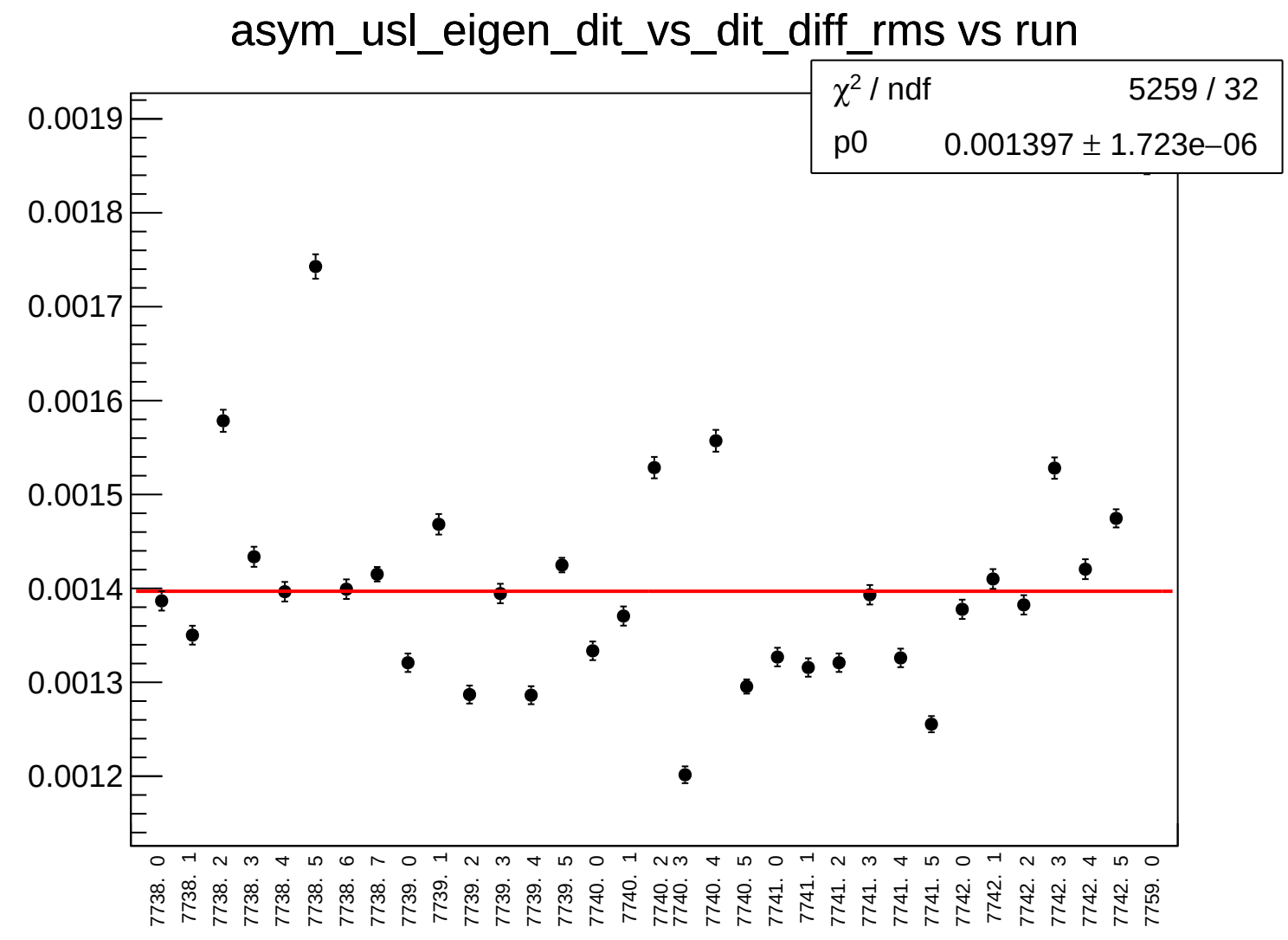

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 35.86 / 32
p0 0.07523 ± 0.1257
pull
Entries 33
Mean 72.13
Std Dev 0

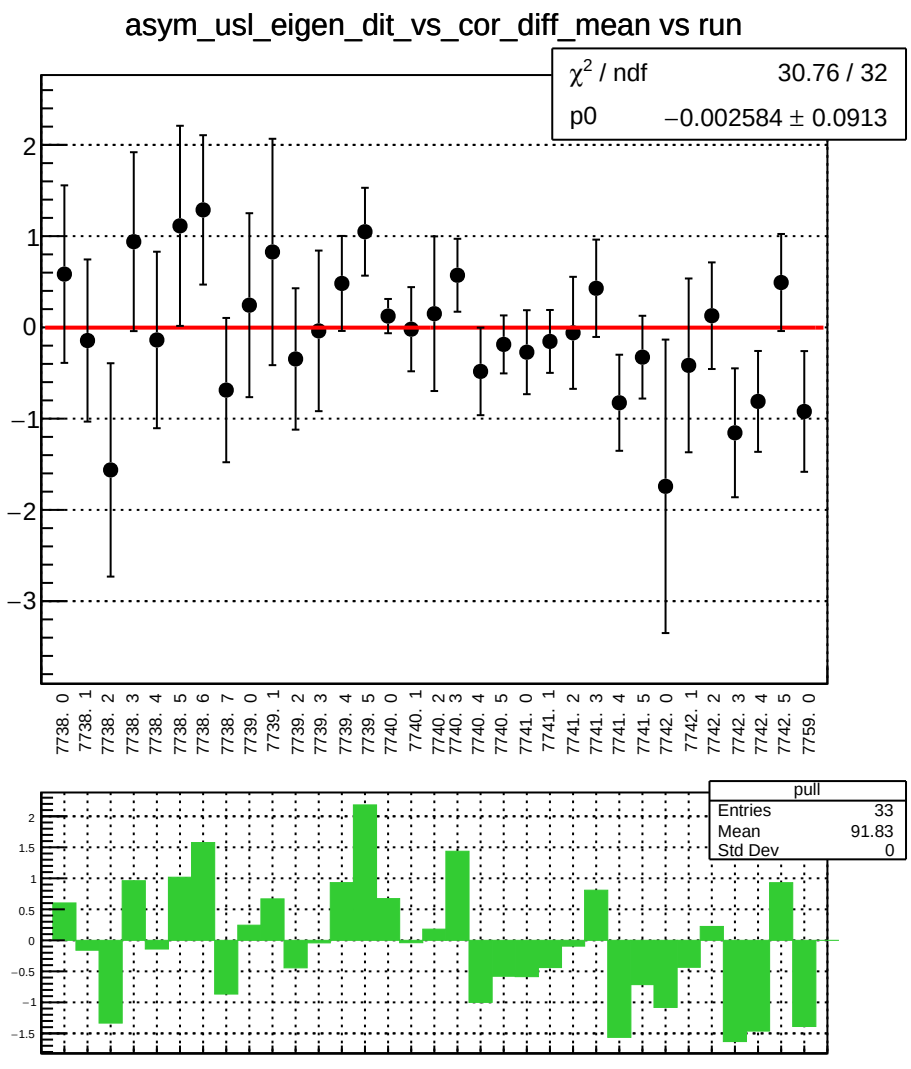

pull1D
Entries 33
Mean −0.06289
Std Dev 1.041

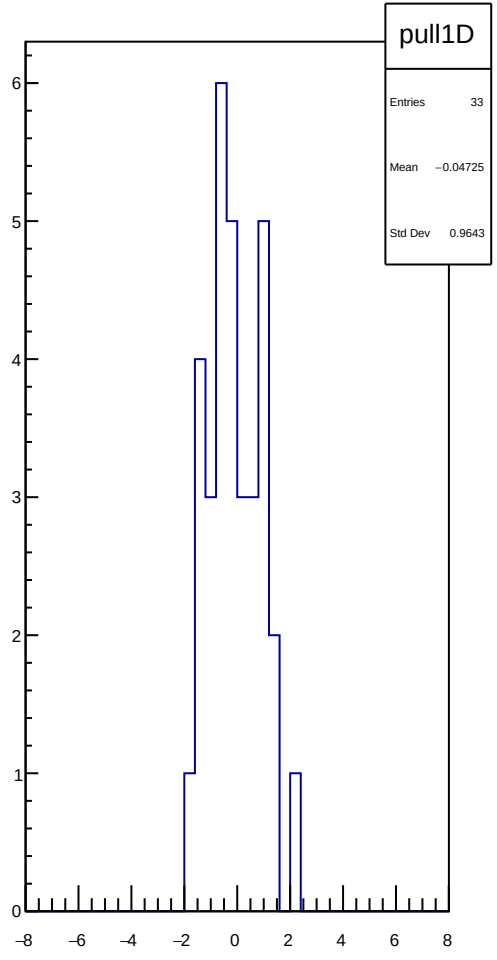

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.733e+04 / 32
p0 69.14 ± 0.08885
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

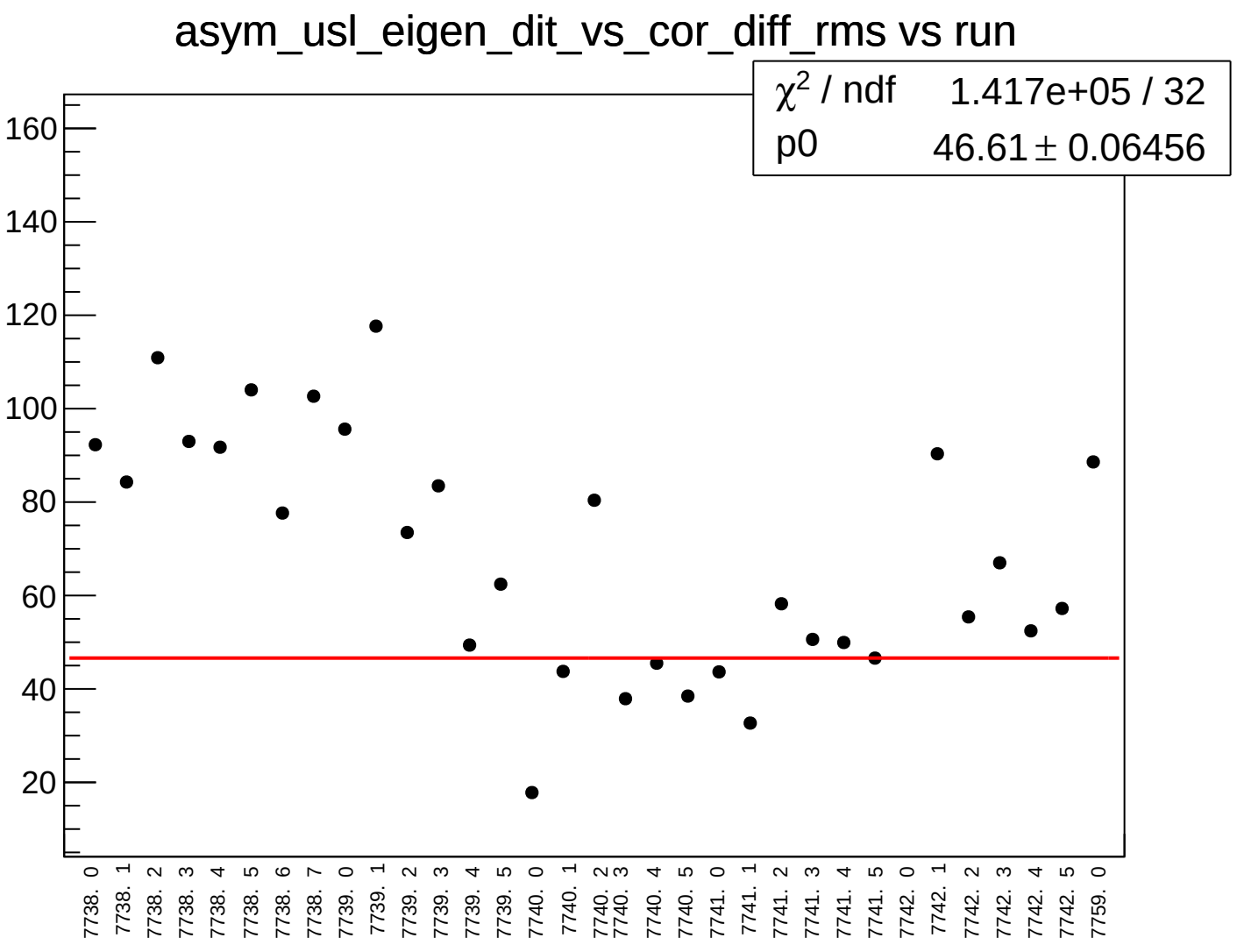

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.43 / 32
p0 −6.878e−07 ± 2.436e−06
0.06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 226.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

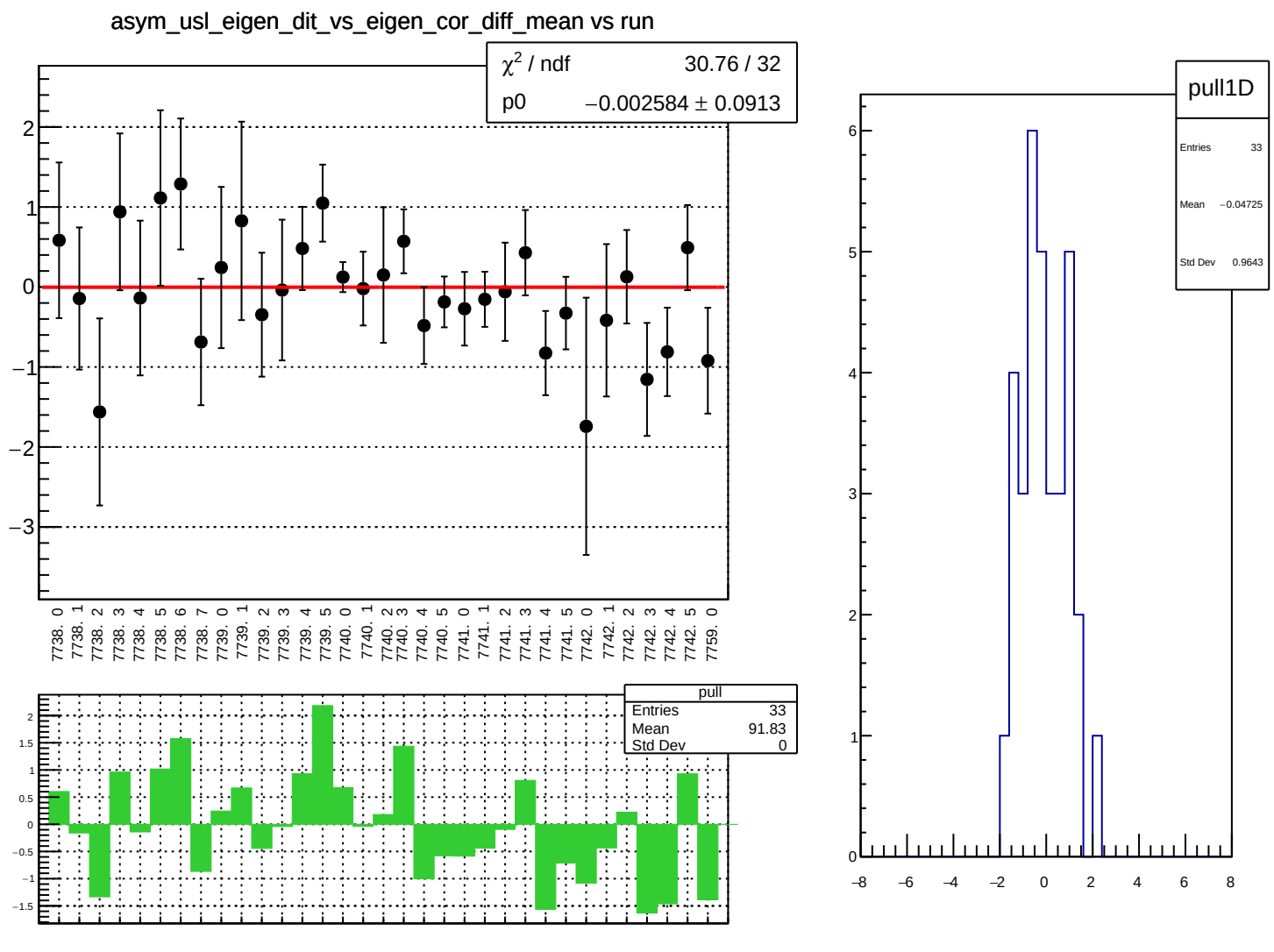

pull1D
Entries 33
Mean 0.01259
Std Dev 0.9116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

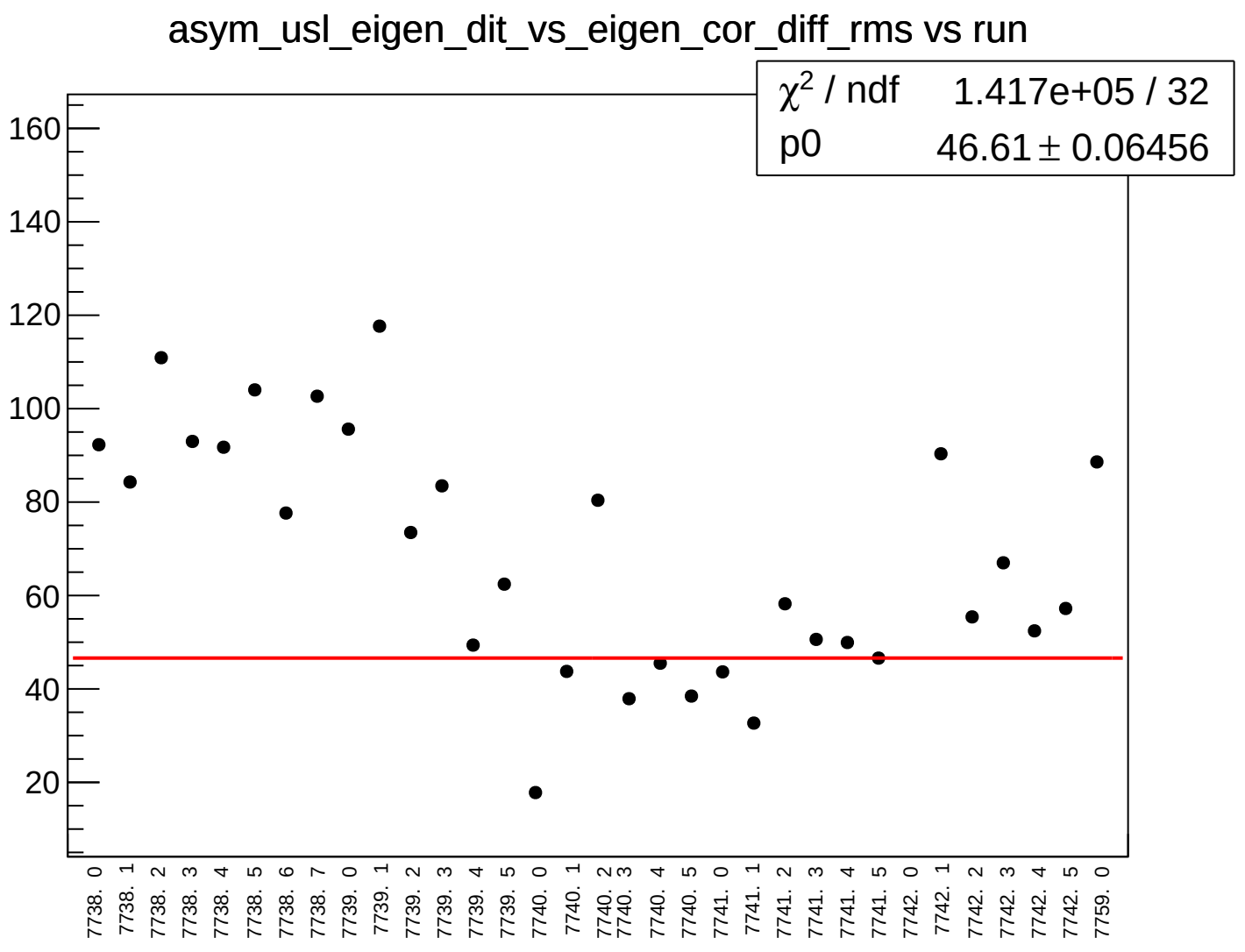

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5259 / 32
p0 0.001397 ± 1.723e−06
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

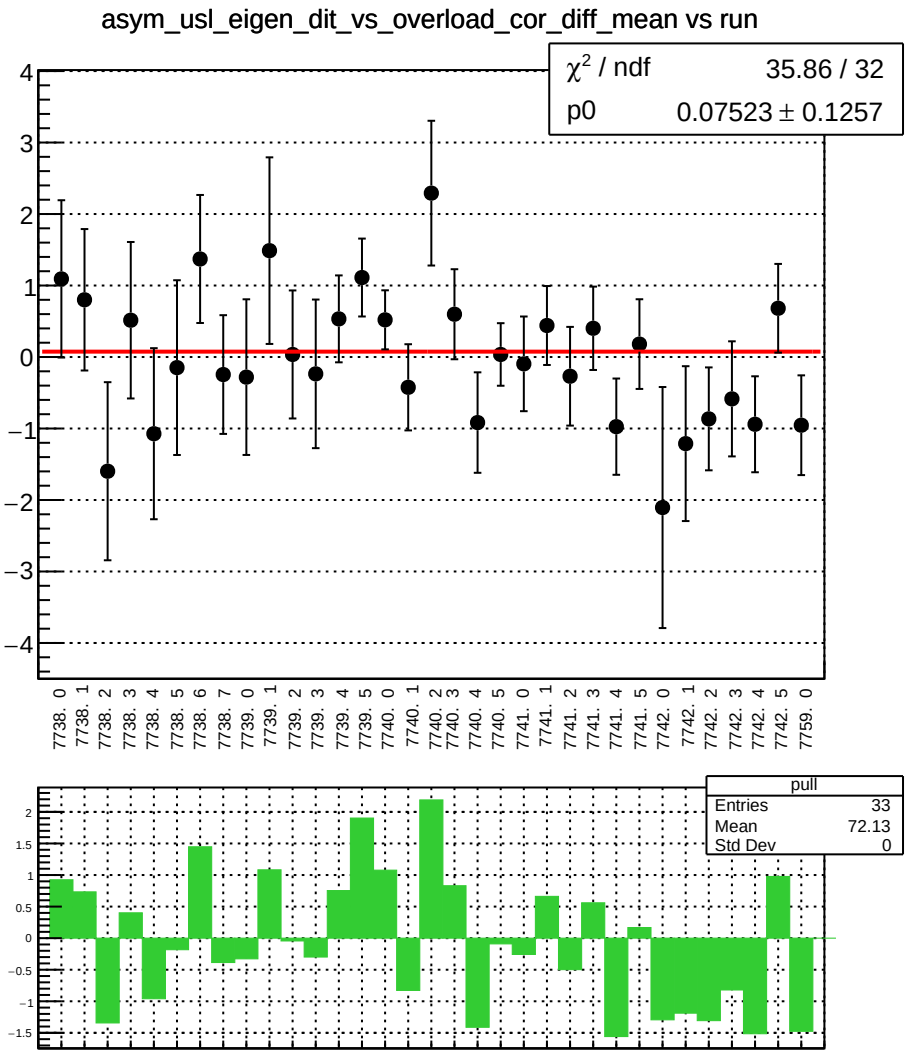

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.76 / 32
p0 −0.002584 ± 0.0913
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 91.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

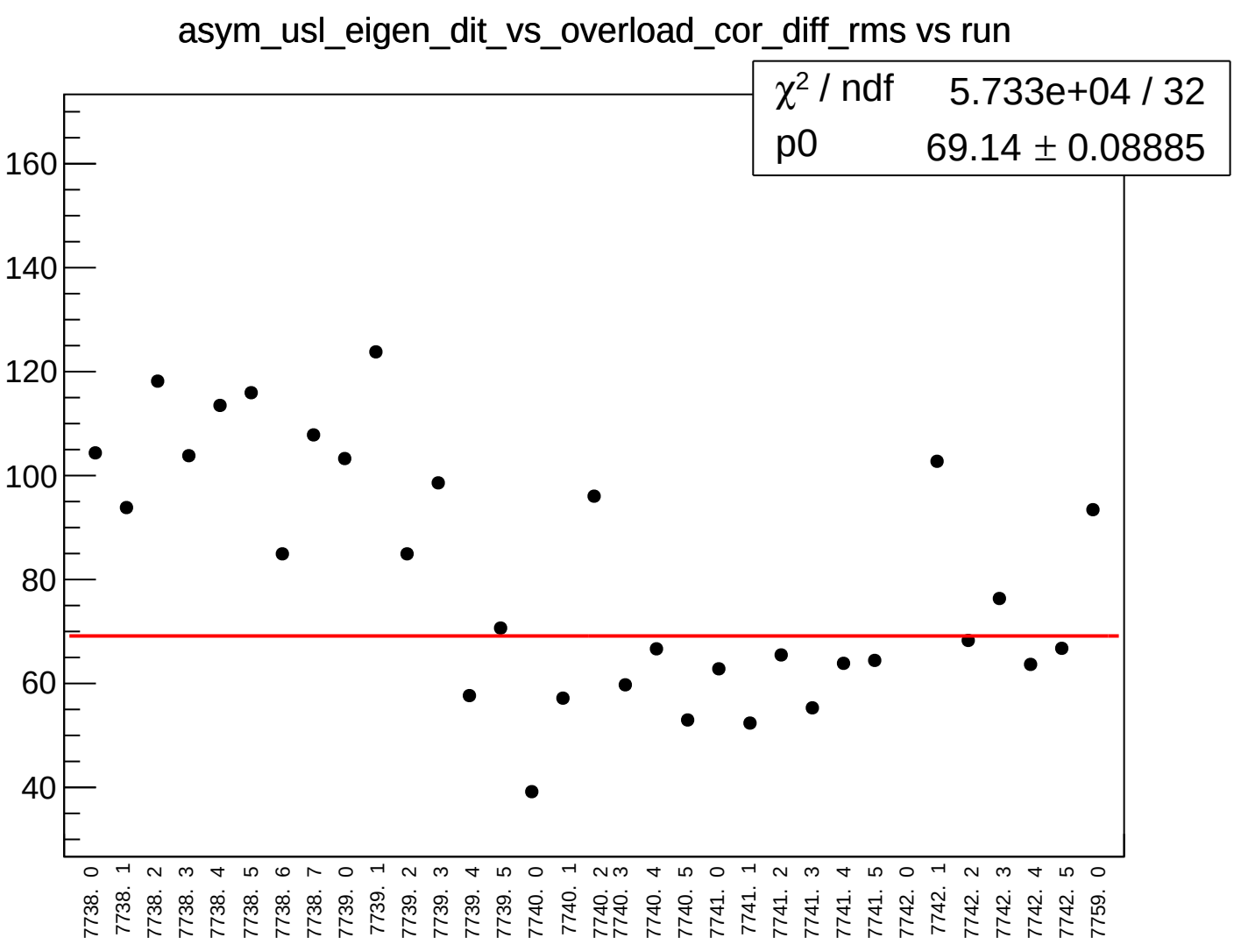

pull1D
Entries 33
Mean −0.04725
Std Dev 0.9643
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

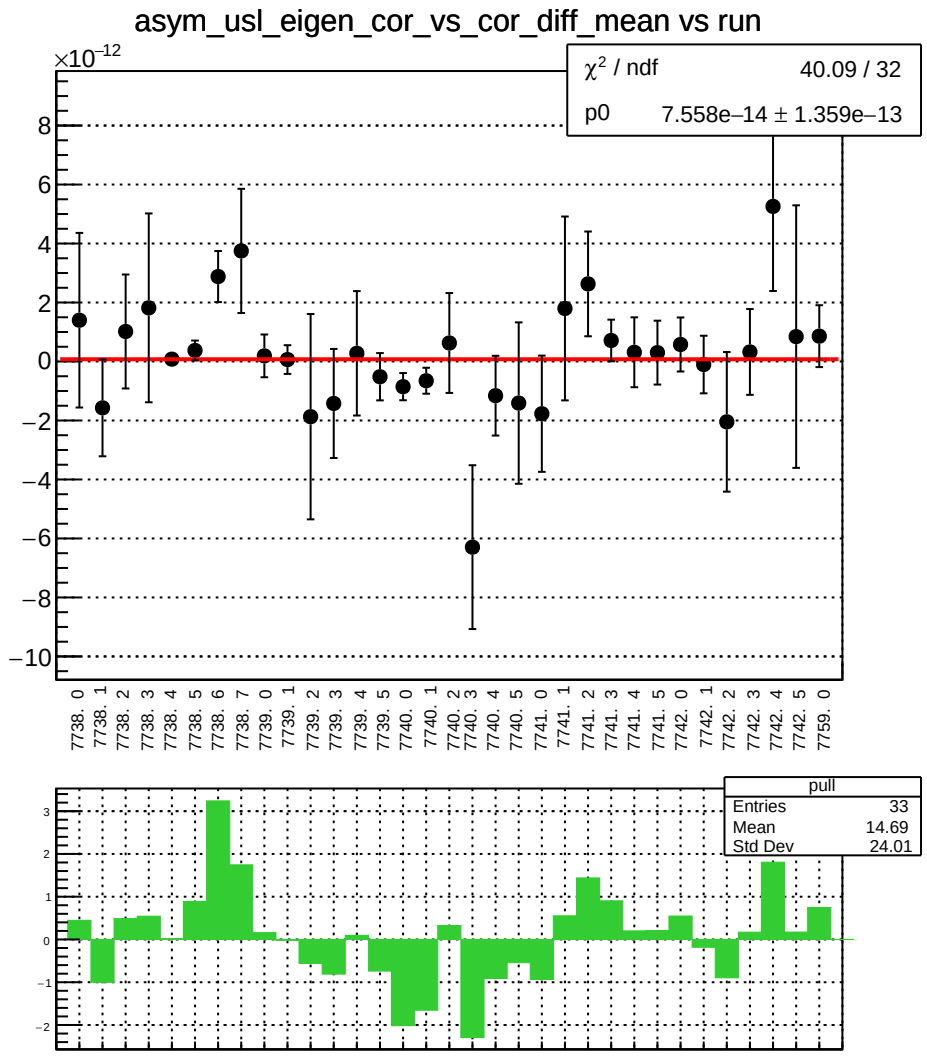

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.417e+05 / 32
p0 46.61 ± 0.06456
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

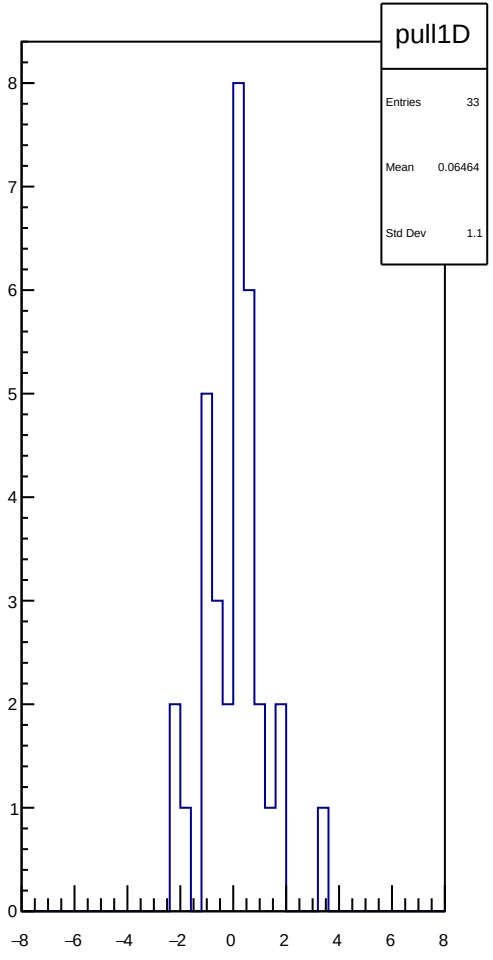

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.76 / 32
p0 −0.002584 ± 0.0913
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 91.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.04725
Std Dev 0.9643
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

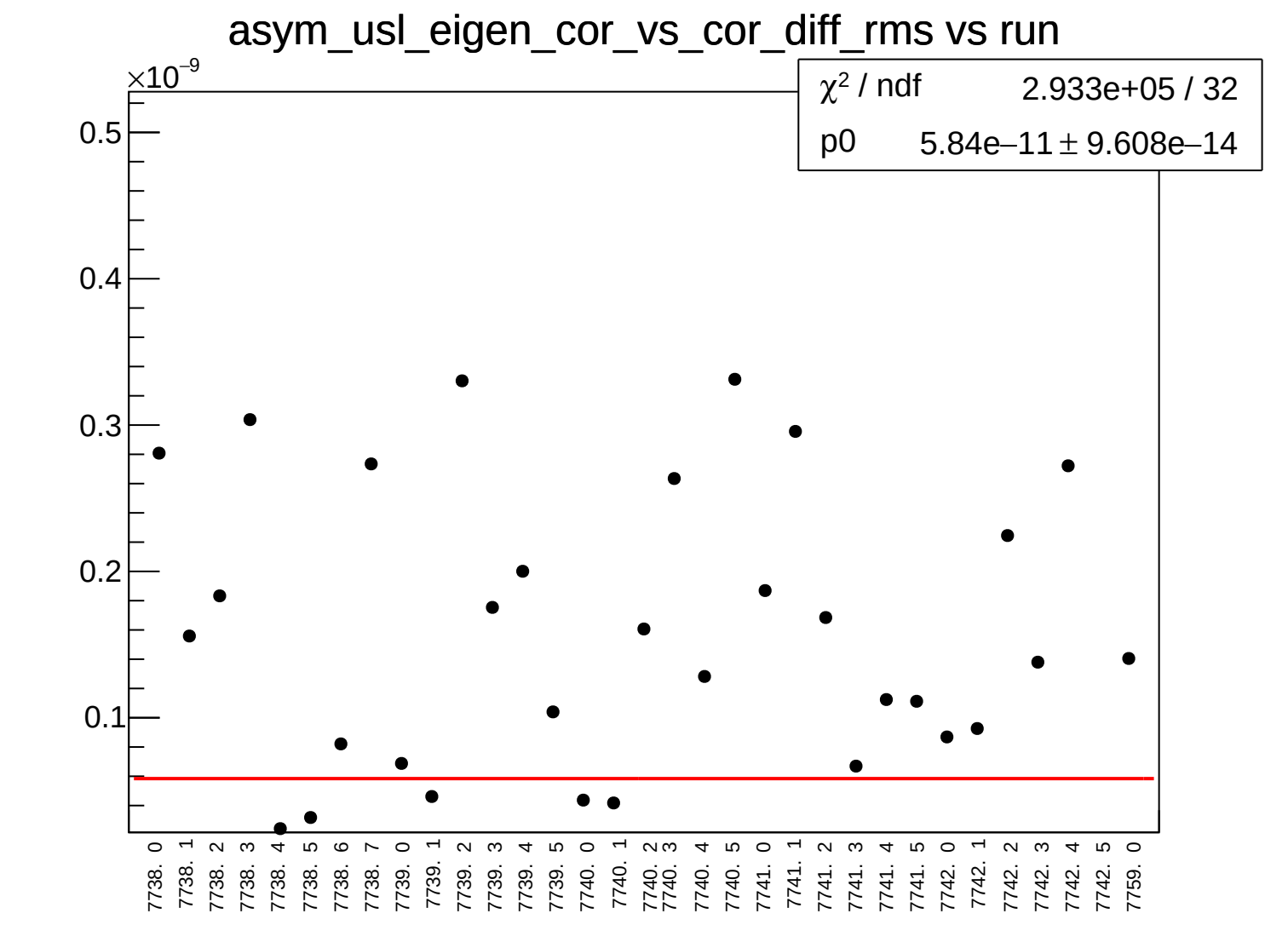

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.417e+05 / 32
p0 46.61 ± 0.06456
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

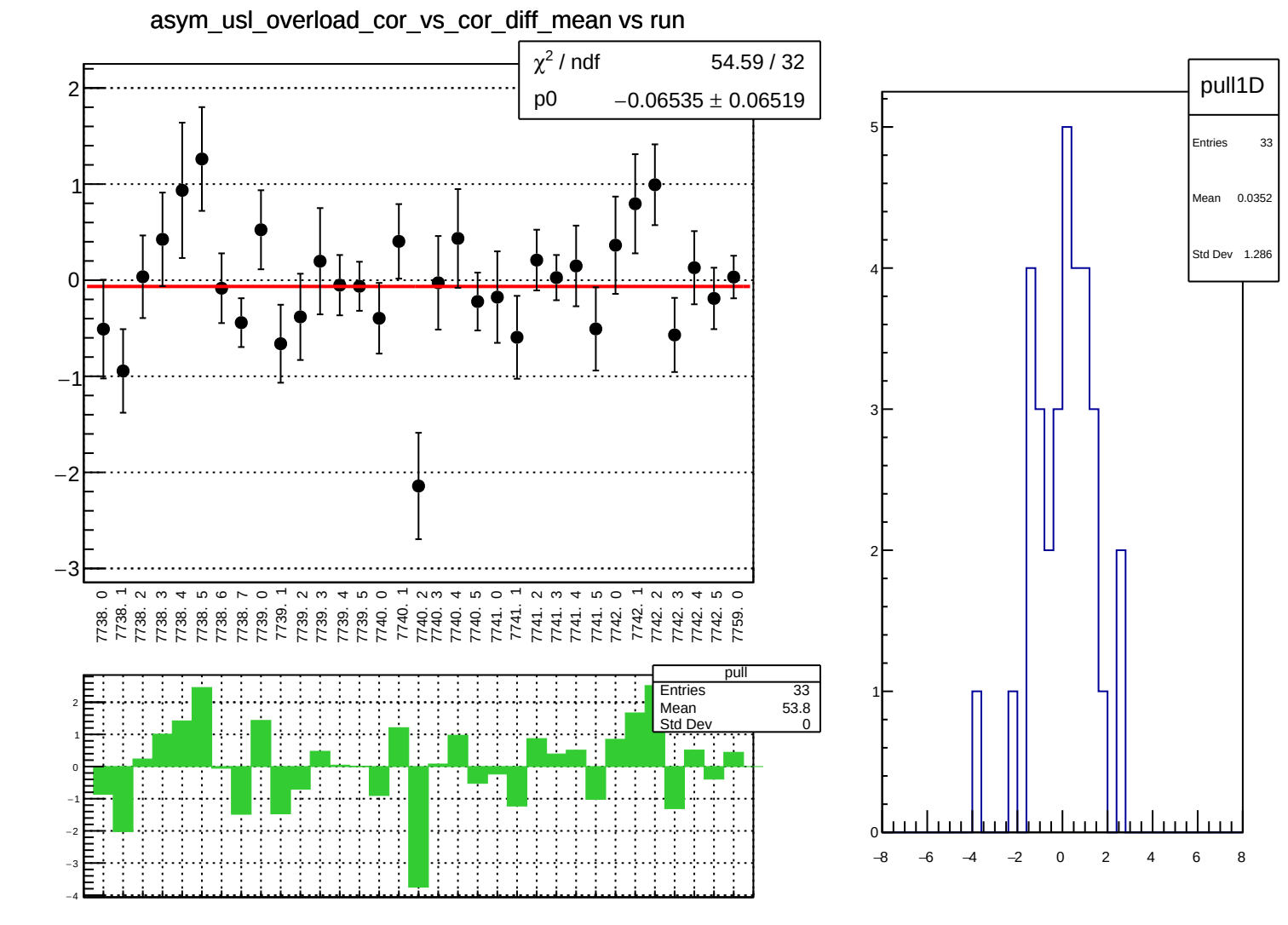

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 35.86 / 32
p0 0.07523 ± 0.1257
pull
Entries 33
Mean 72.13
Std Dev 0
pull1D
Entries 33
Mean −0.06289
Std Dev 1.041

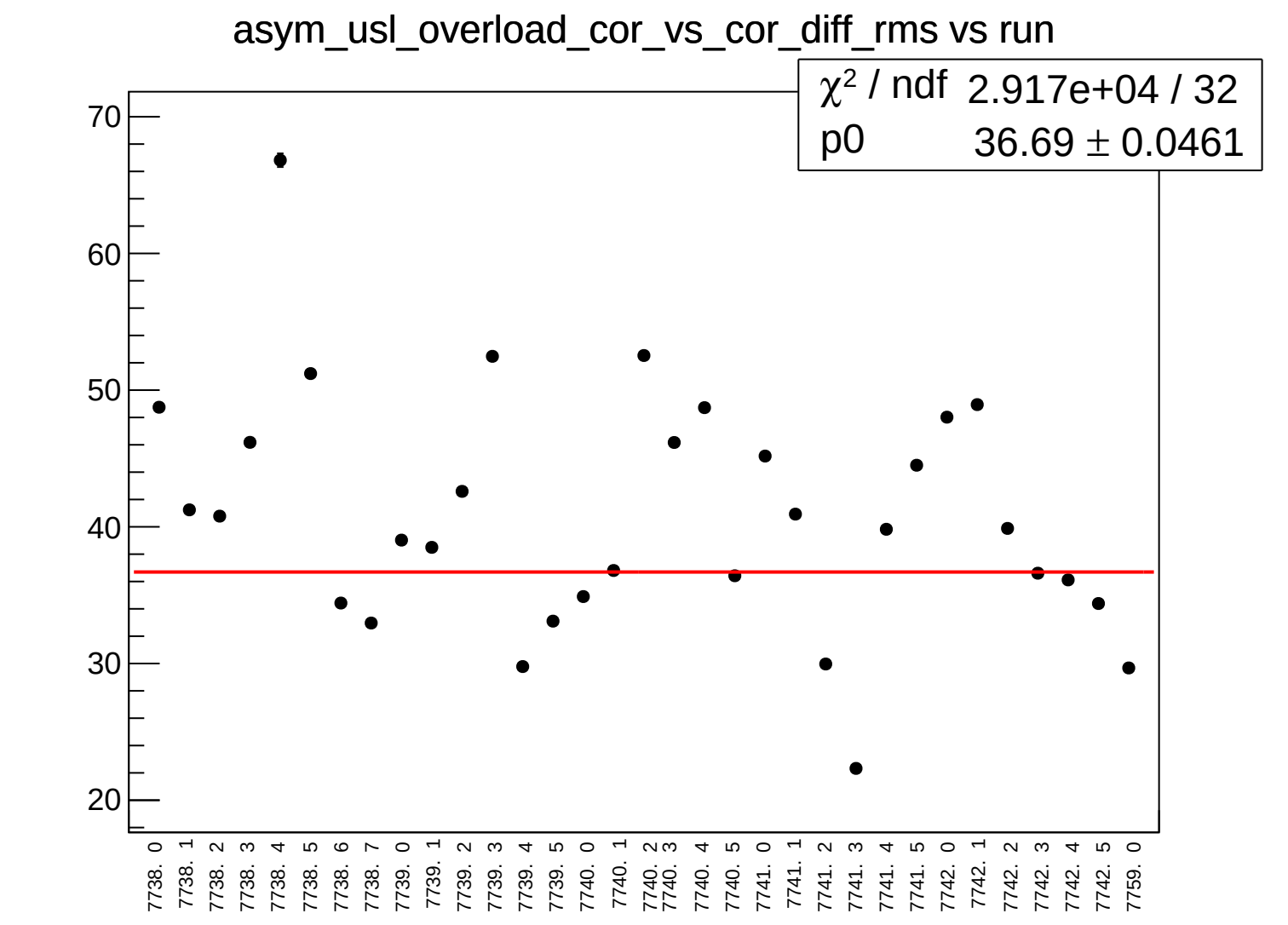

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.733e+04 / 32
p0 69.14 ± 0.08885
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

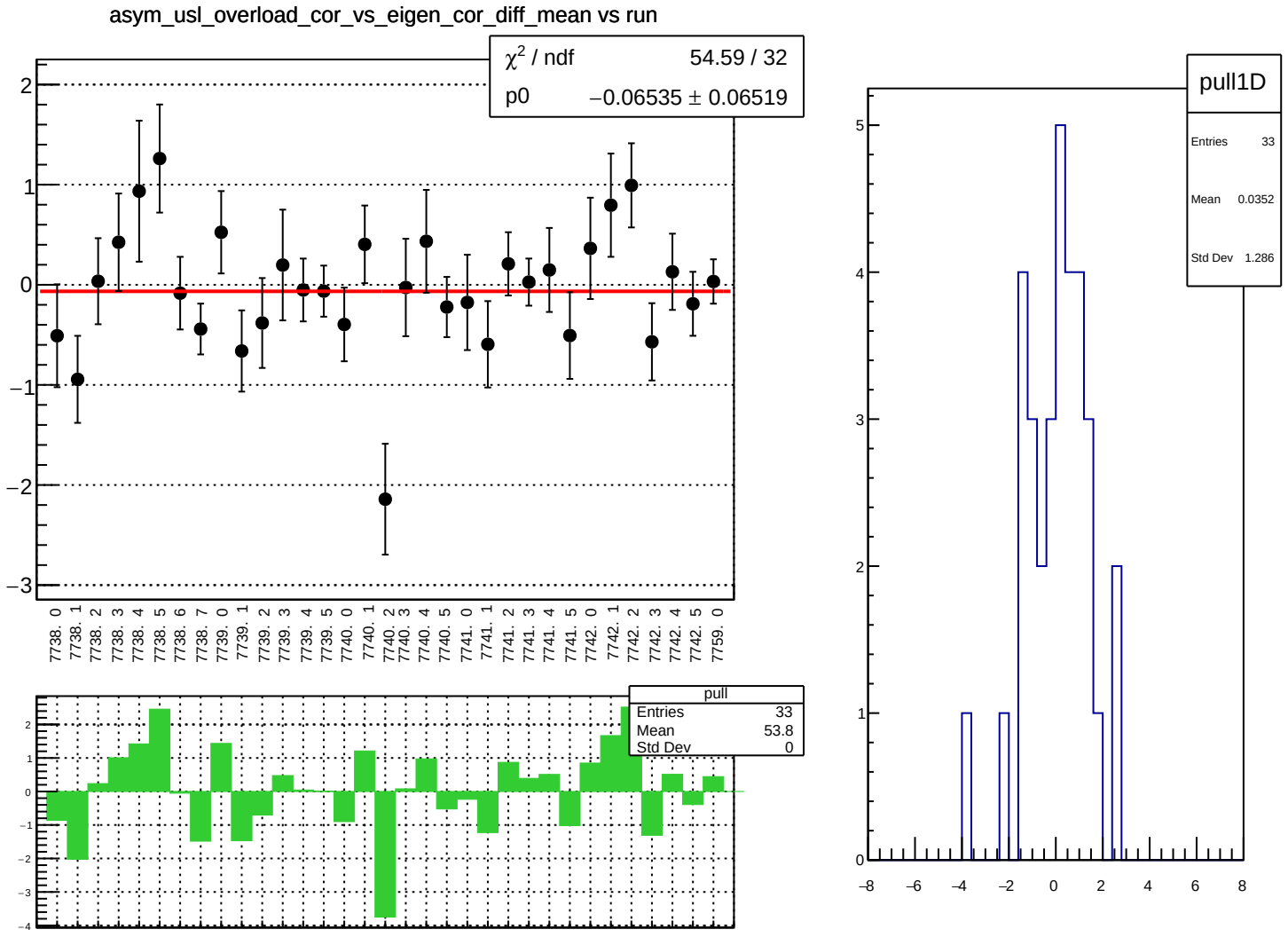

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.09 / 32
p0 7.558e−14 ± 1.359e−13
pull
Entries 33
Mean 14.69
Std Dev 24.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

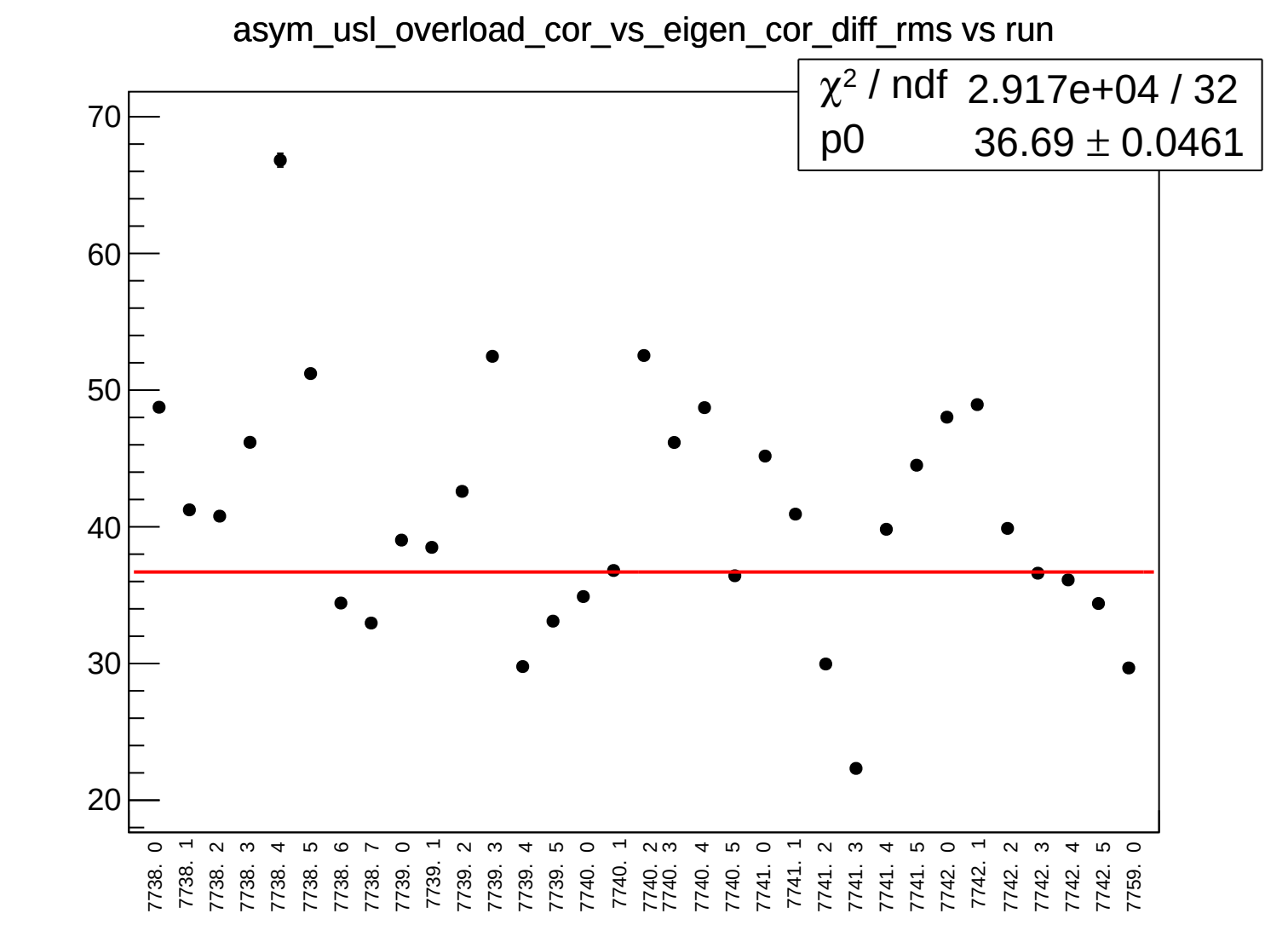

pull1D
Entries 33
Mean 0.06464
Std Dev 1.1

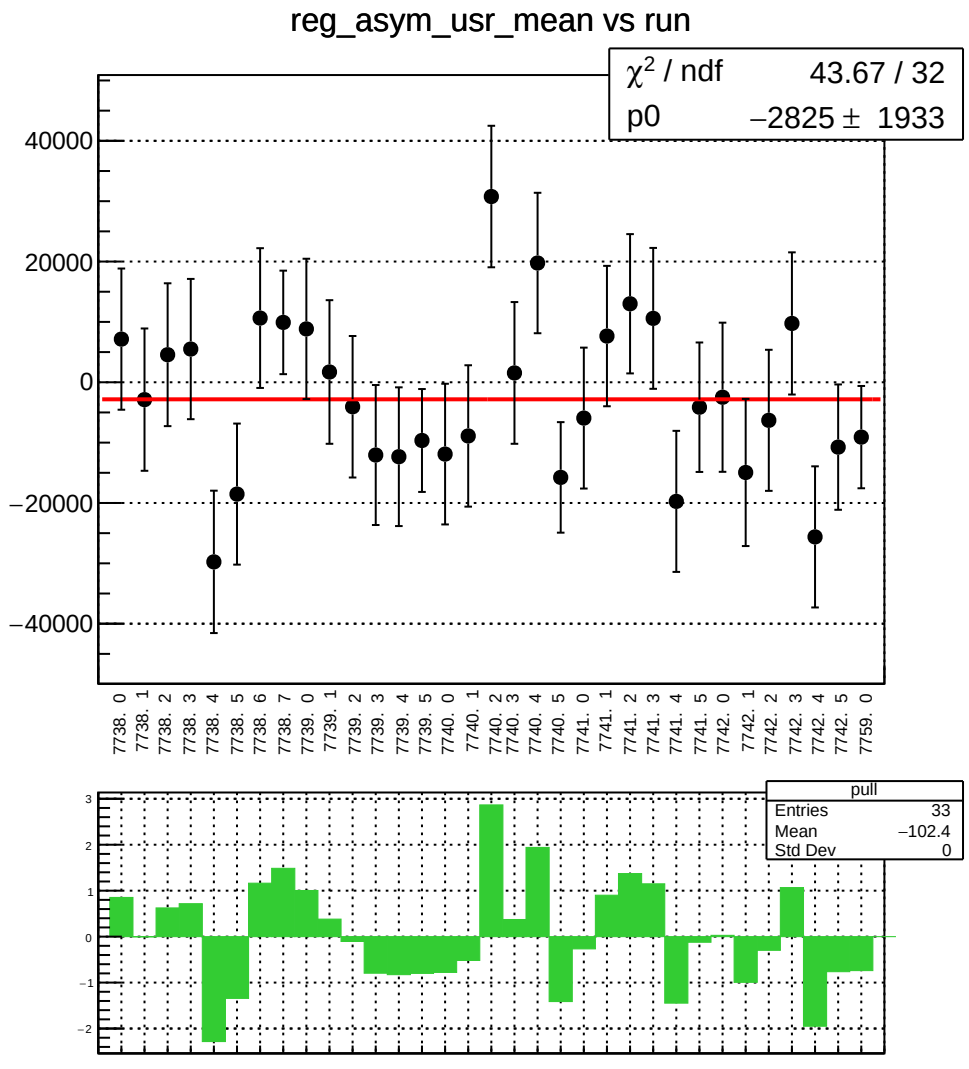

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.933e+05 / 32
p0 5.84e−11 ± 9.608e−14
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

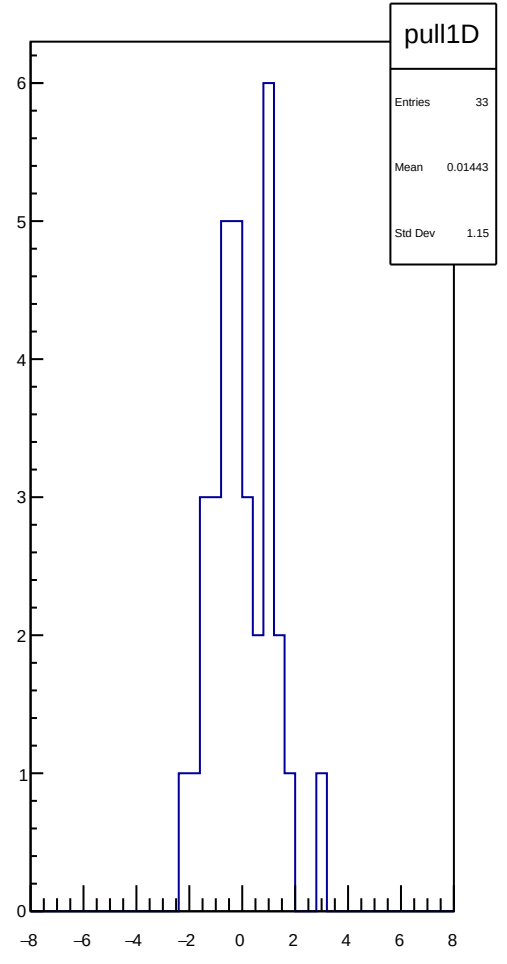

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 54.59 / 32
p0 −0.06535 ± 0.06519
pull
Entries 33
Mean 53.8
Std Dev 0
pull1D
Entries 33
Mean 0.0352
Std Dev 1.286

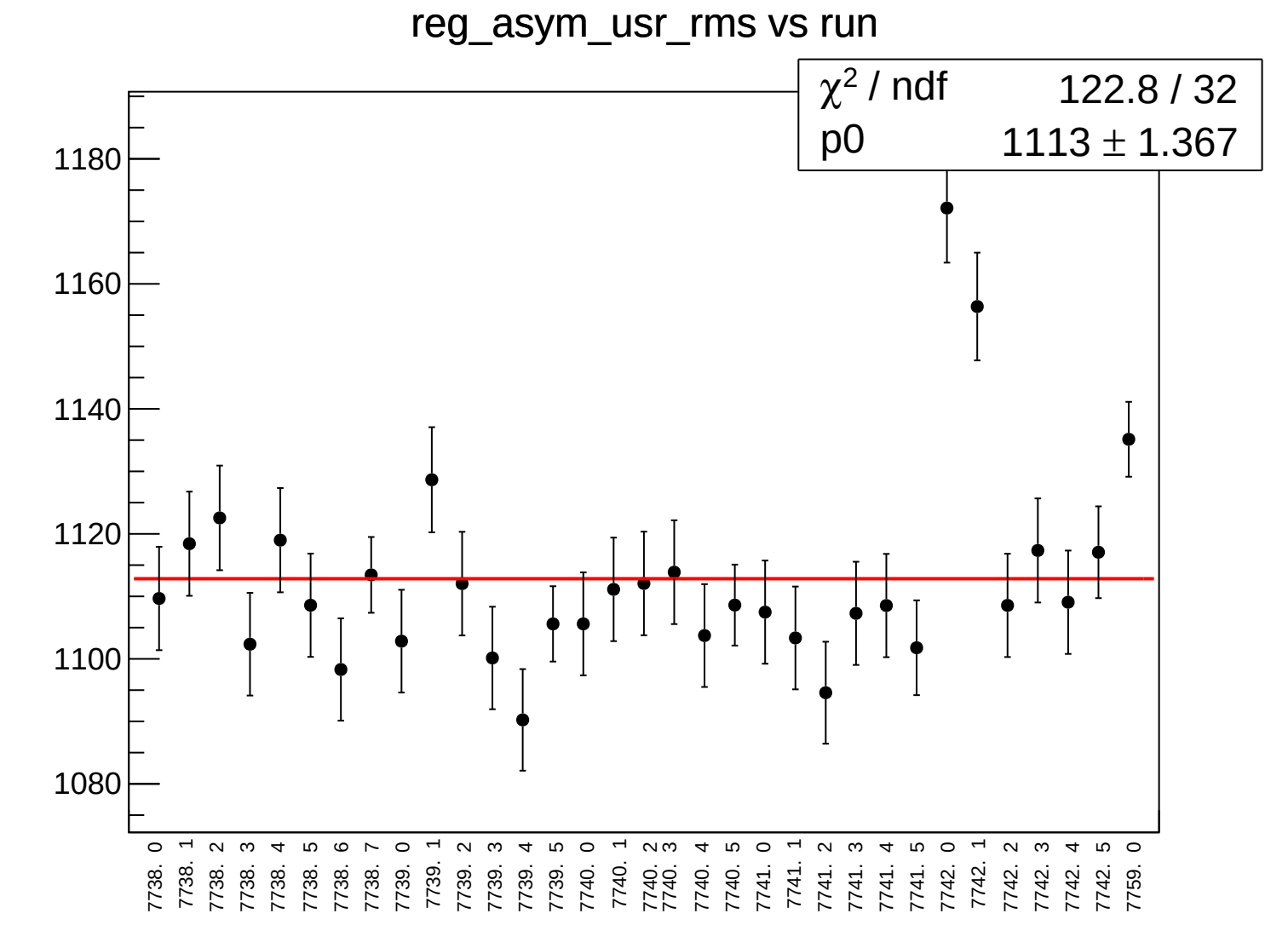

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.917e+04 / 32
p0 36.69 ± 0.0461
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

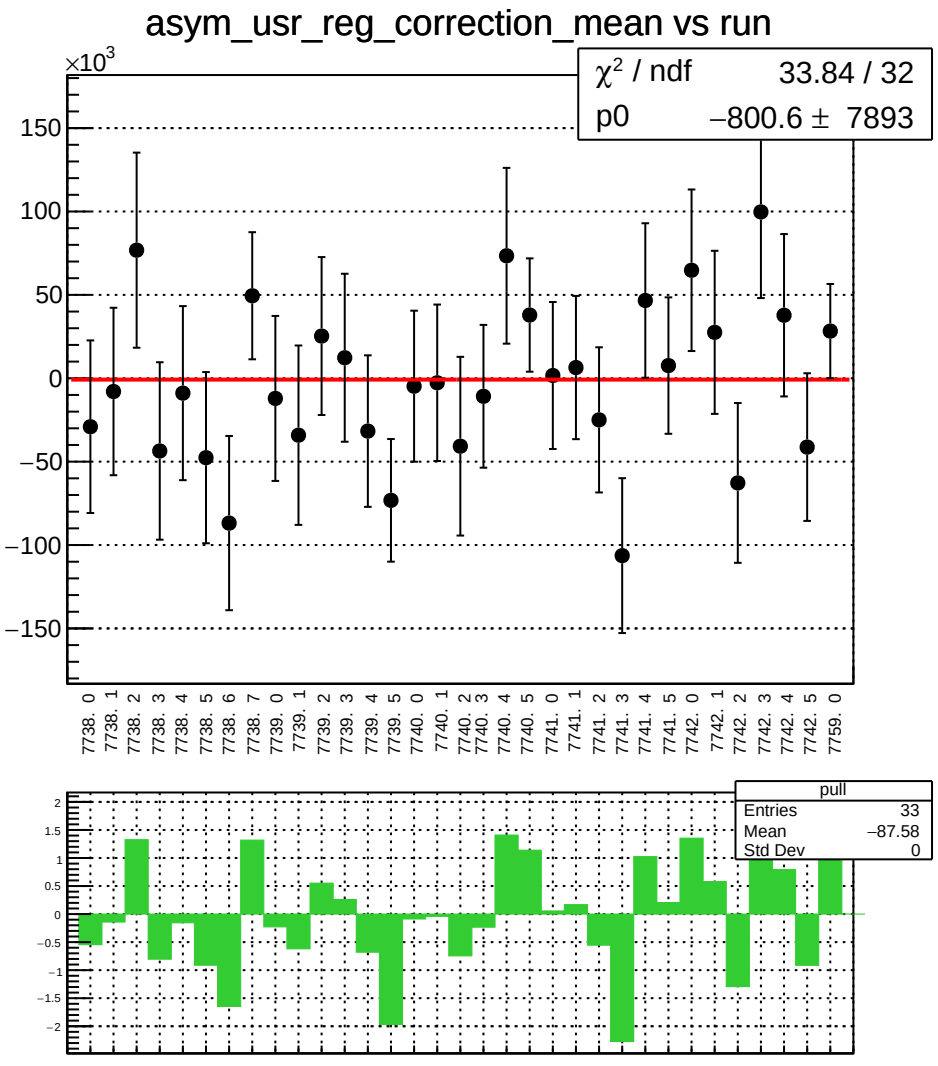

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.59 / 32
p0 −0.06535 ± 0.06519
pull
Entries 33
Mean 53.8
Std Dev 0
pull1D
Entries 33
Mean 0.0352
Std Dev 1.286

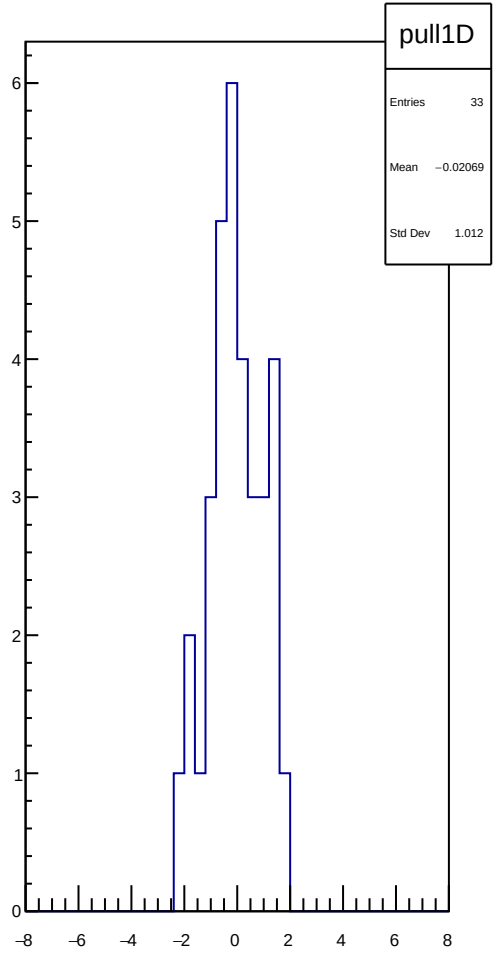

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.917e+04 / 32
p0 36.69 ± 0.0461
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

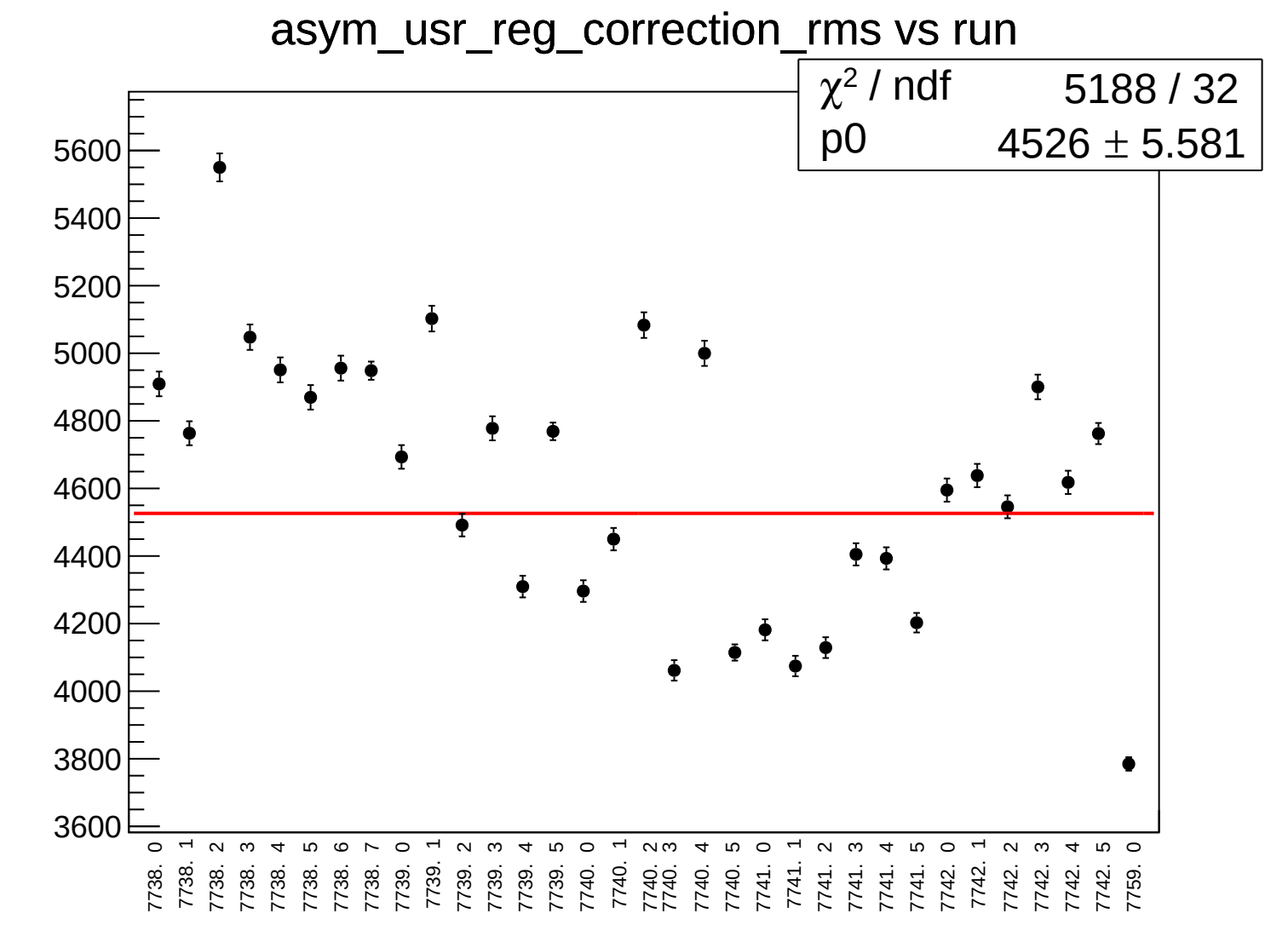

reg_asym_usr_mean vs run
χ² / ndf 43.67 / 32
p0 −2825 ± 1933
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.4
Std Dev 0
3
2
1
0
−1
−2

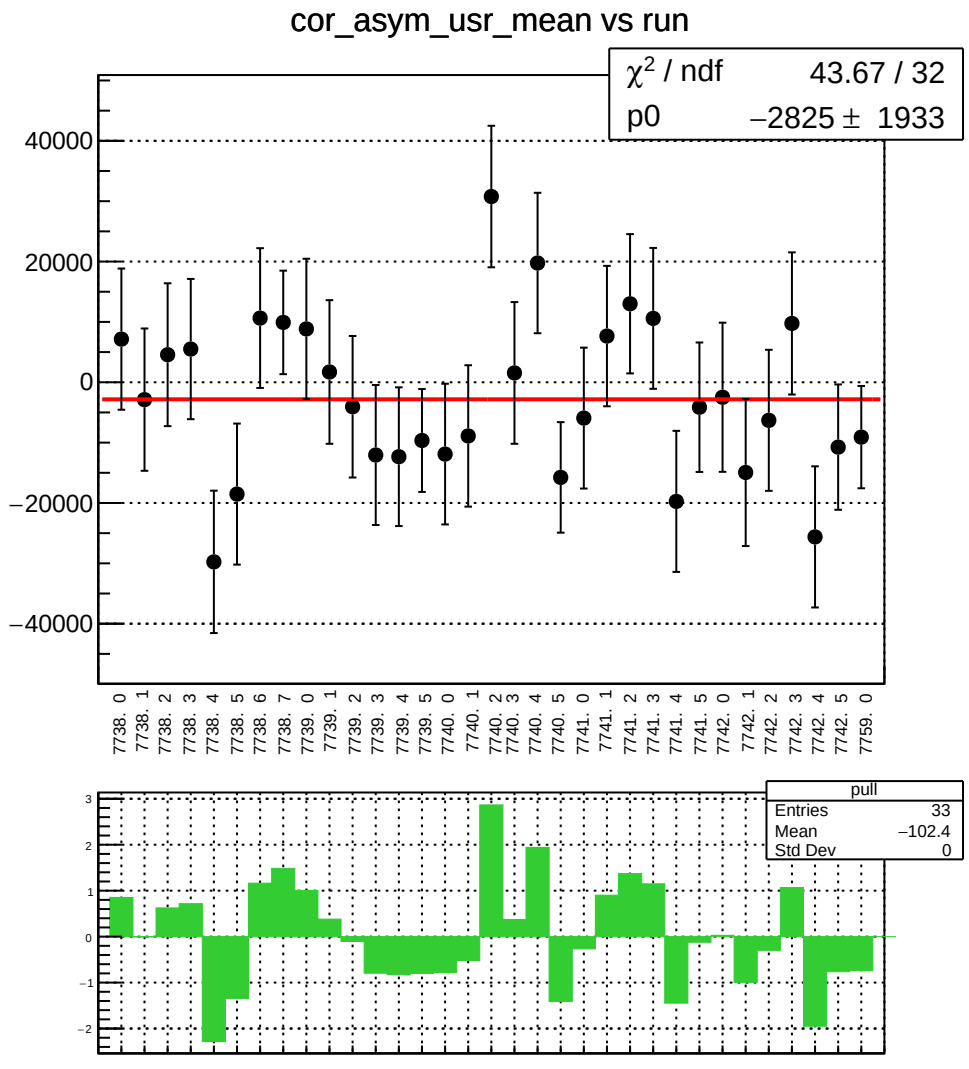

pull1D
Entries 33
Mean 0.01443
Std Dev 1.15
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

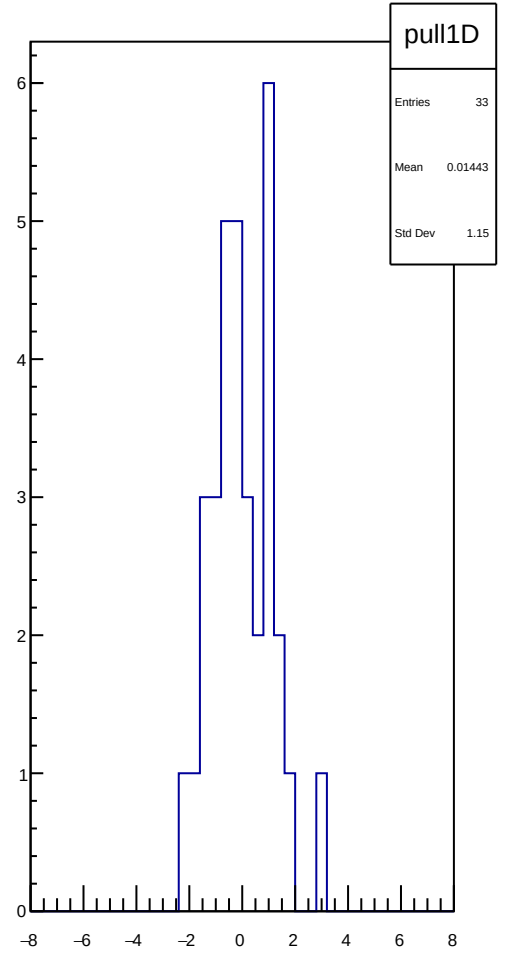

reg_asym_usr_rms vs run
χ² / ndf 122.8 / 32
p0 1113 ± 1.367
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

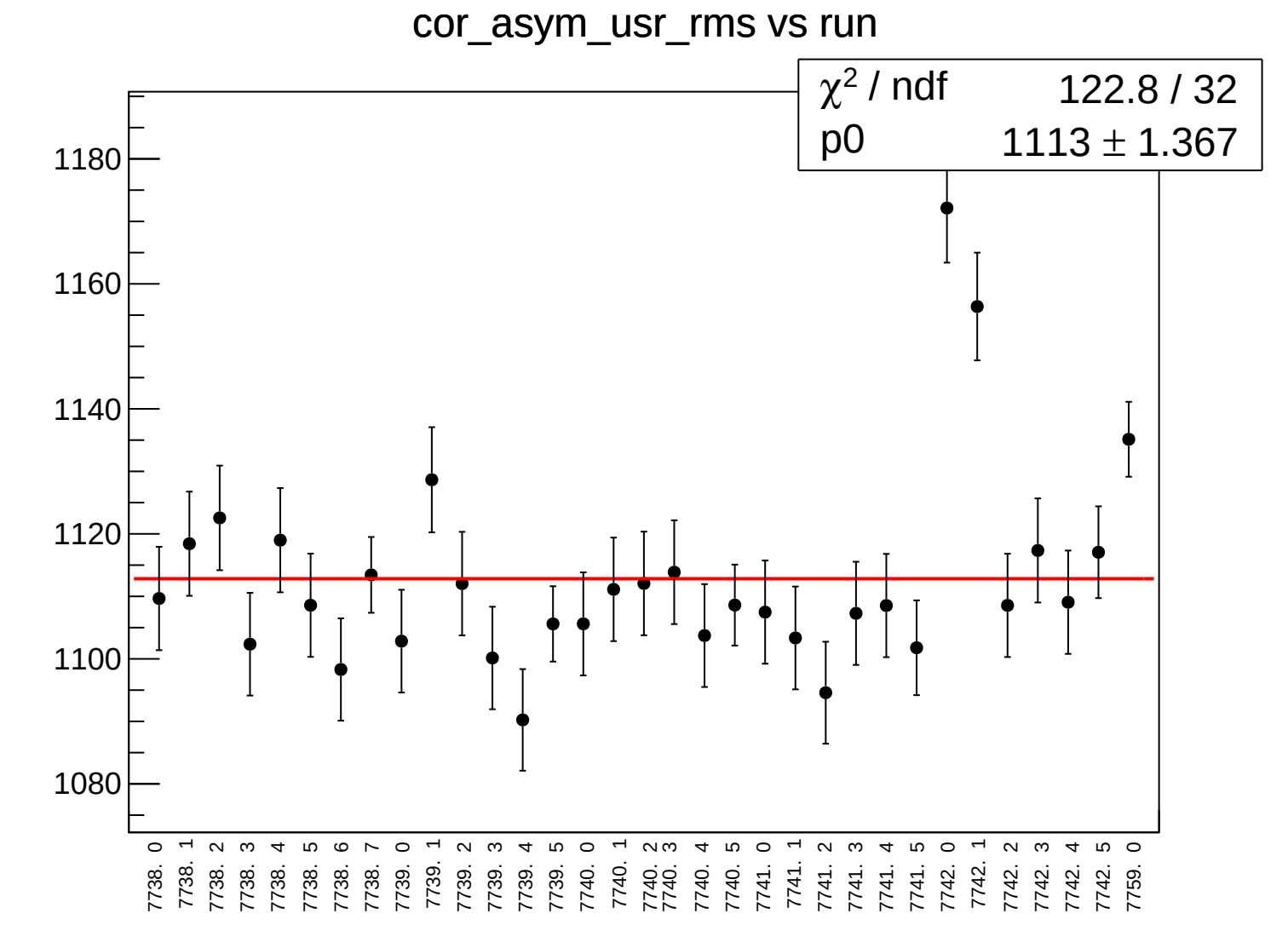

asym_usr_reg_correction_mean vs run
×10^3
χ² / ndf 33.84 / 32
p0 −800.6 ± 7893
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

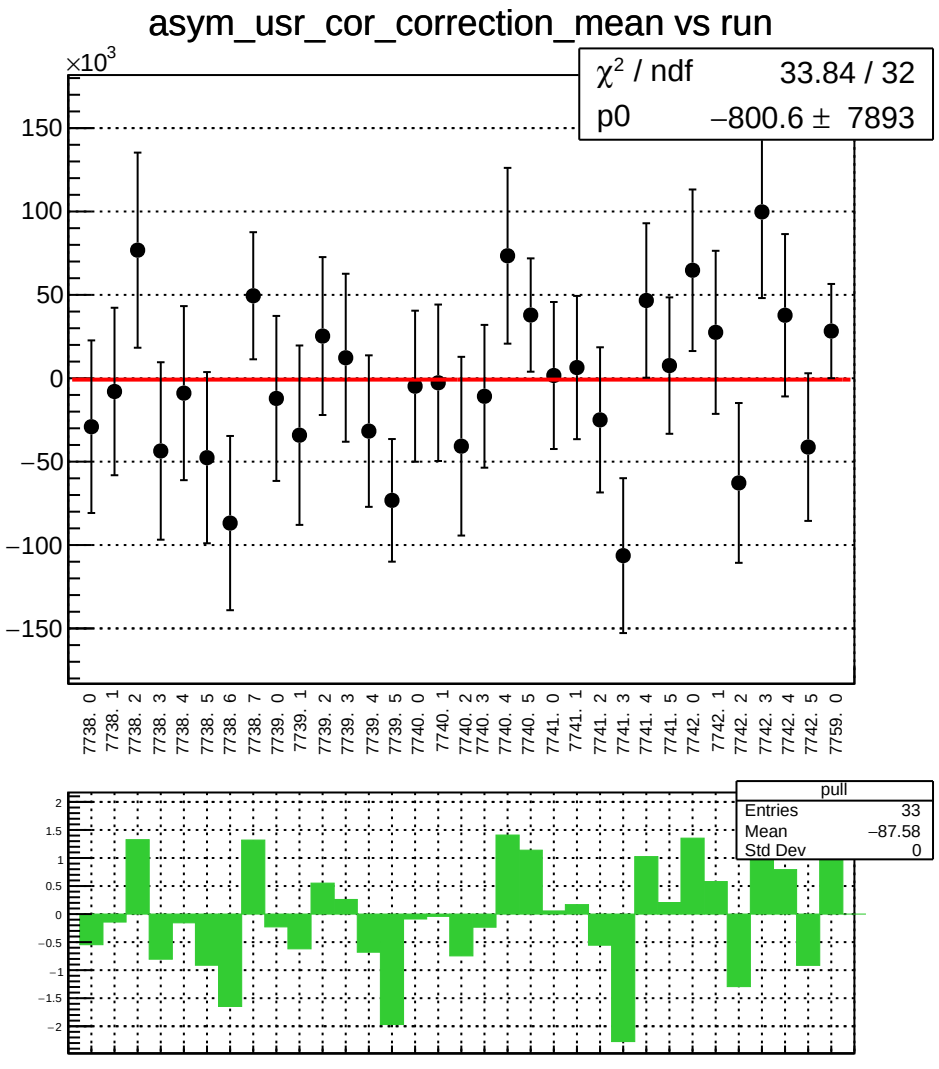

pull1D
Entries 33
Mean −0.02069
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

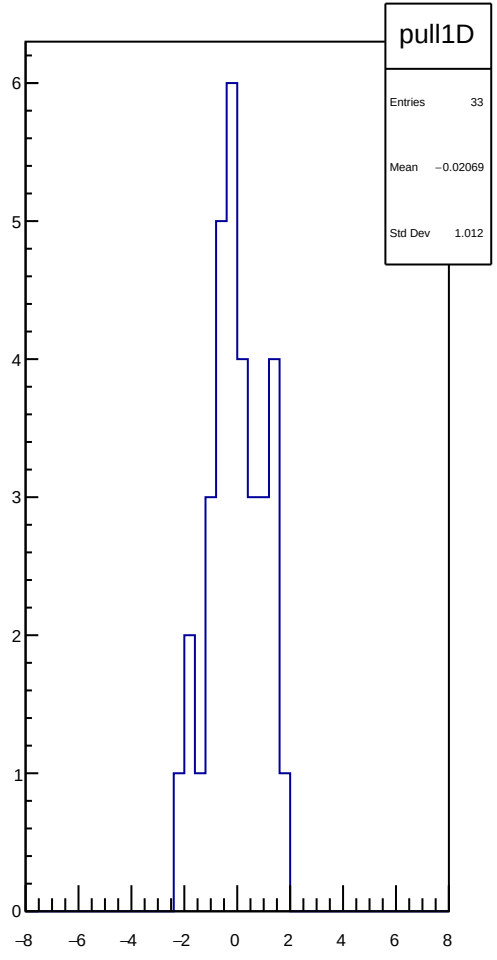

asym_usr_reg_correction_rms vs run
χ² / ndf 5188 / 32
p0 4526 ± 5.581
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

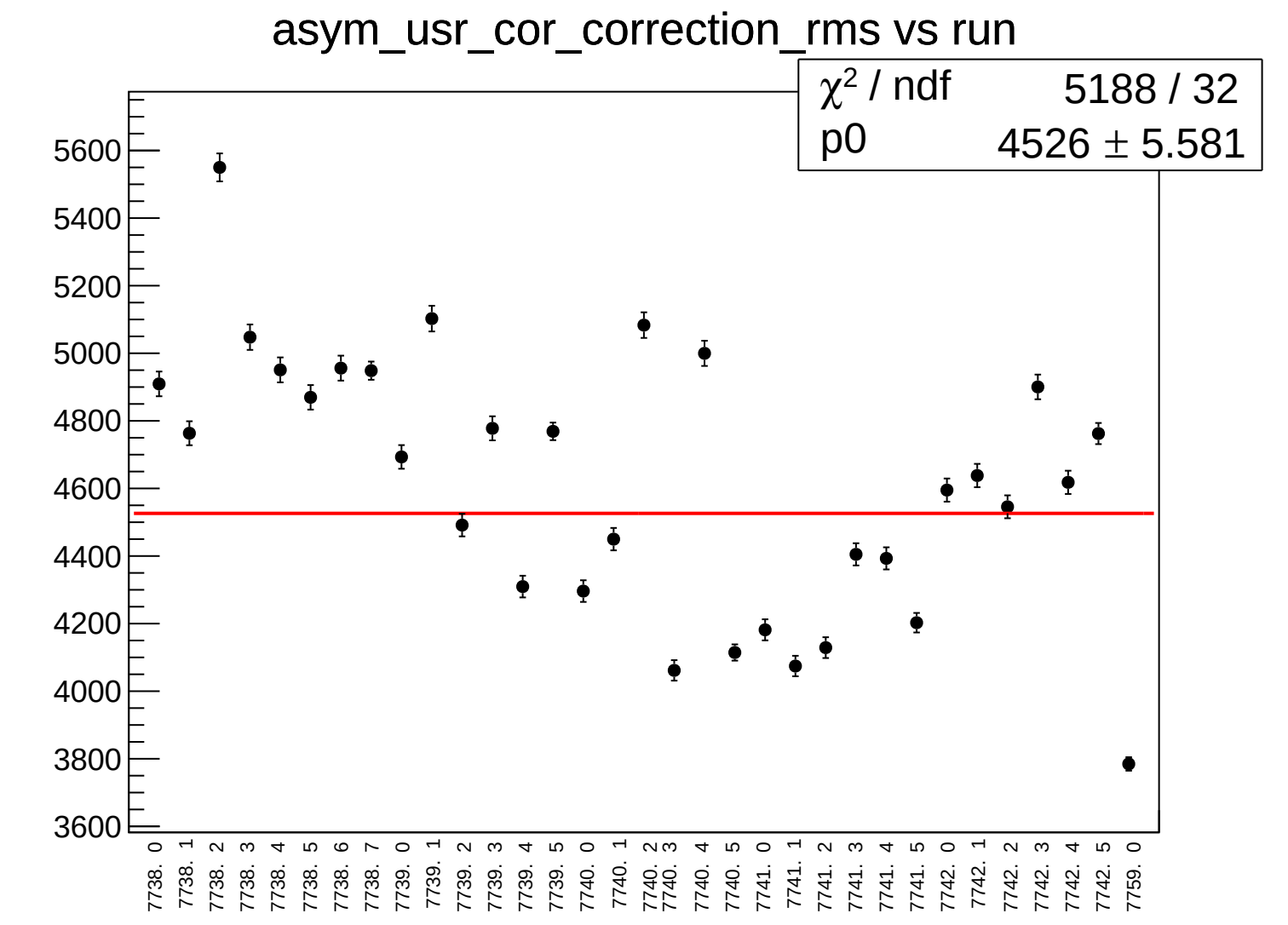

cor_asym_usr_mean vs run
χ² / ndf 43.67 / 32
p0 −2825 ± 1933
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.4
Std Dev 0
3
2
1
0
−1
−2

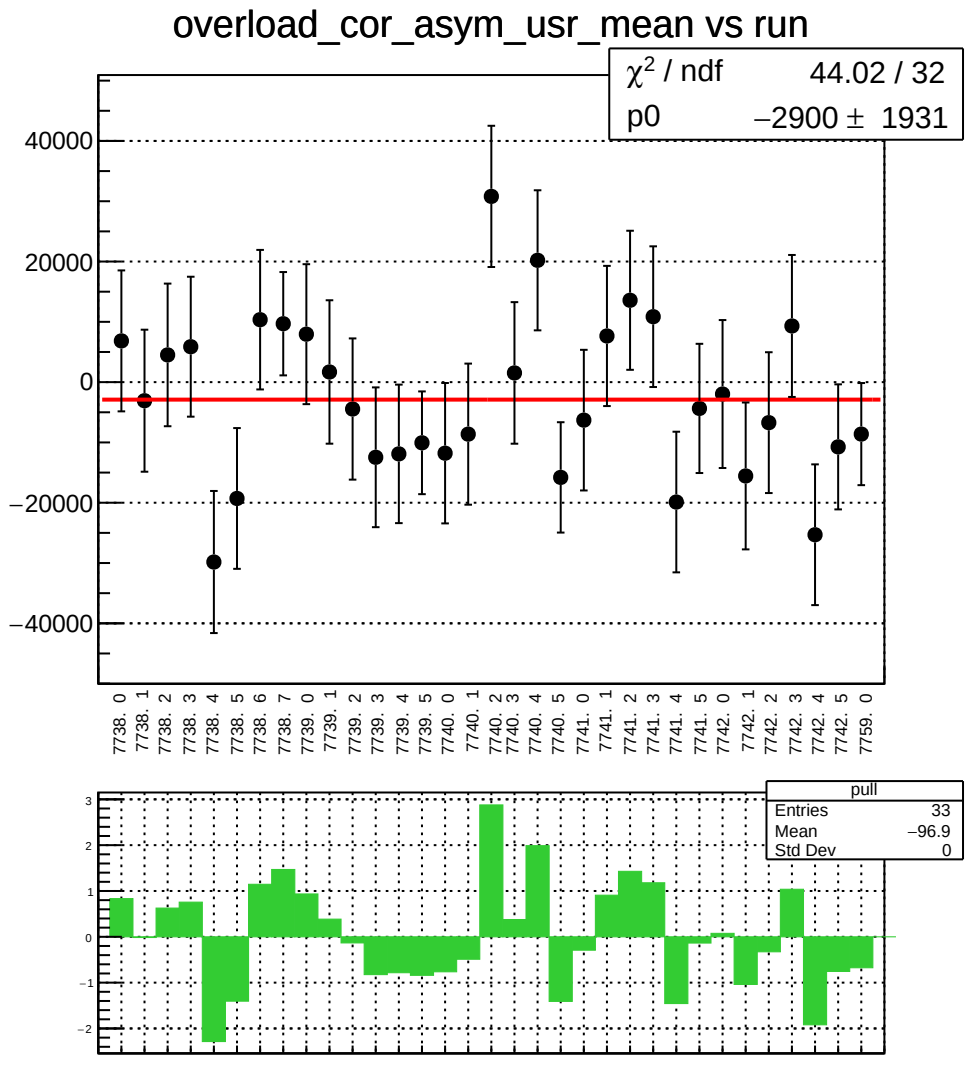

pull1D
Entries 33
Mean 0.01443
Std Dev 1.15
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

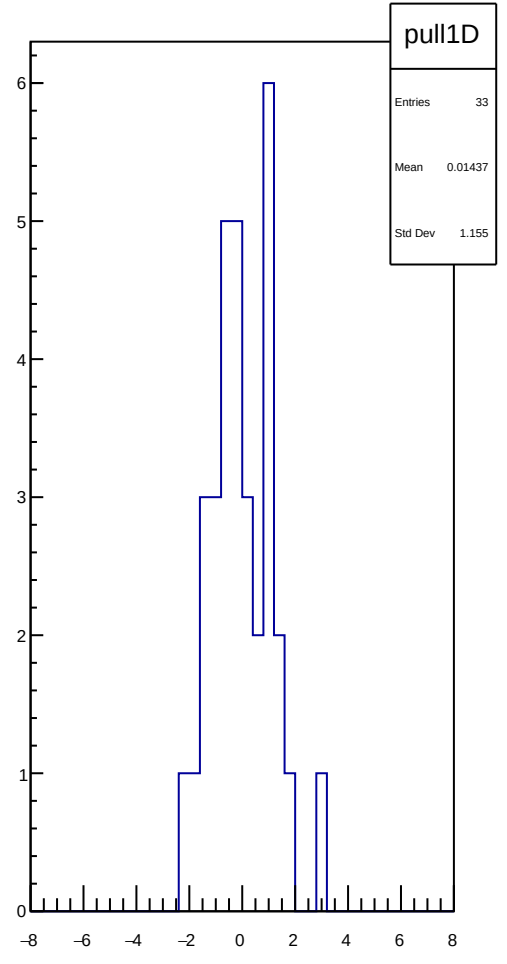

cor_asym_usr_rms vs run
χ² / ndf 122.8 / 32
p0 1113 ± 1.367
1180
1160
1140
1120
1100
1080
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

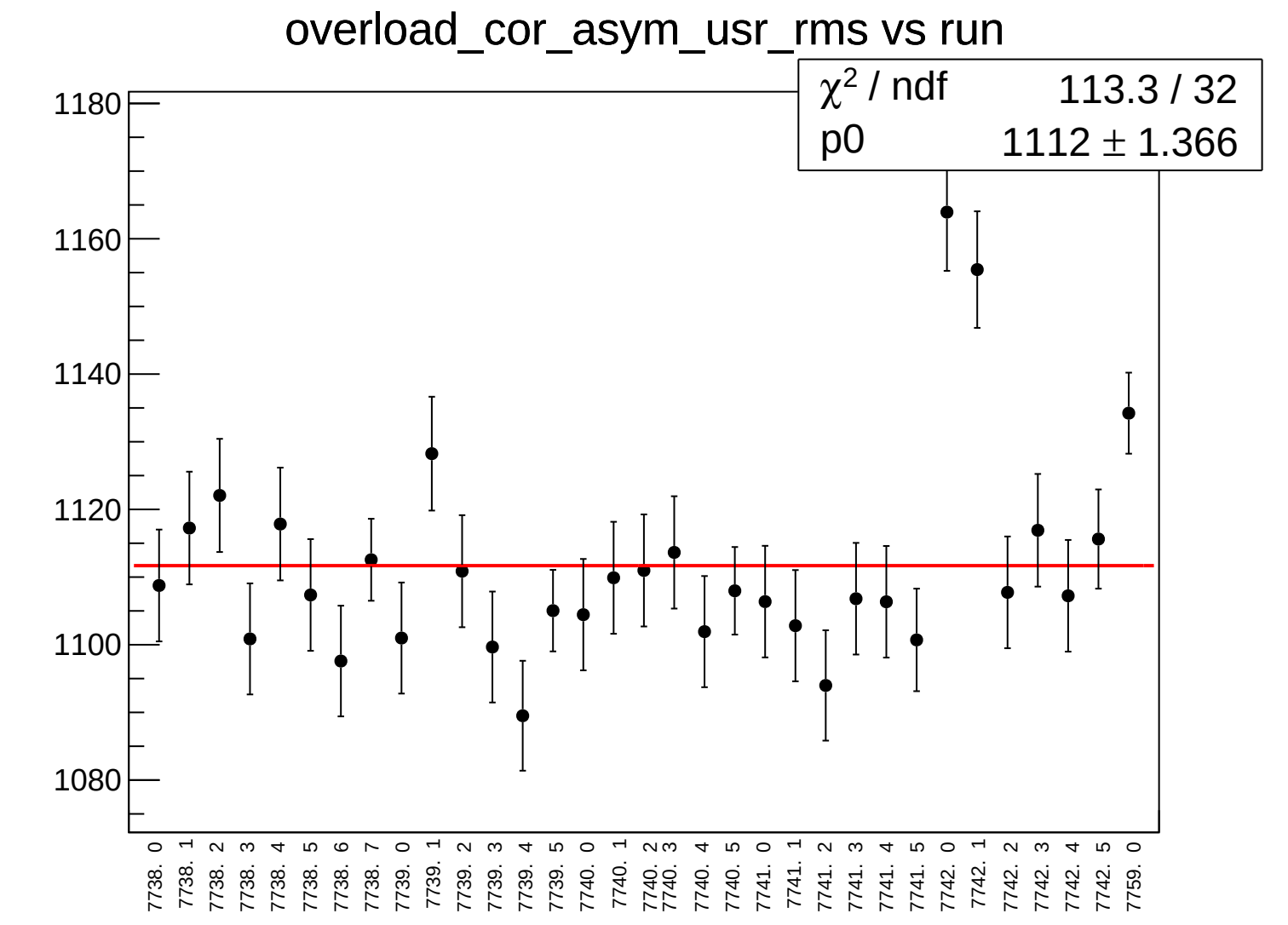

asym_usr_cor_correction_mean vs run
×10^3
χ² / ndf 33.84 / 32
p0 −800.6 ± 7893
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

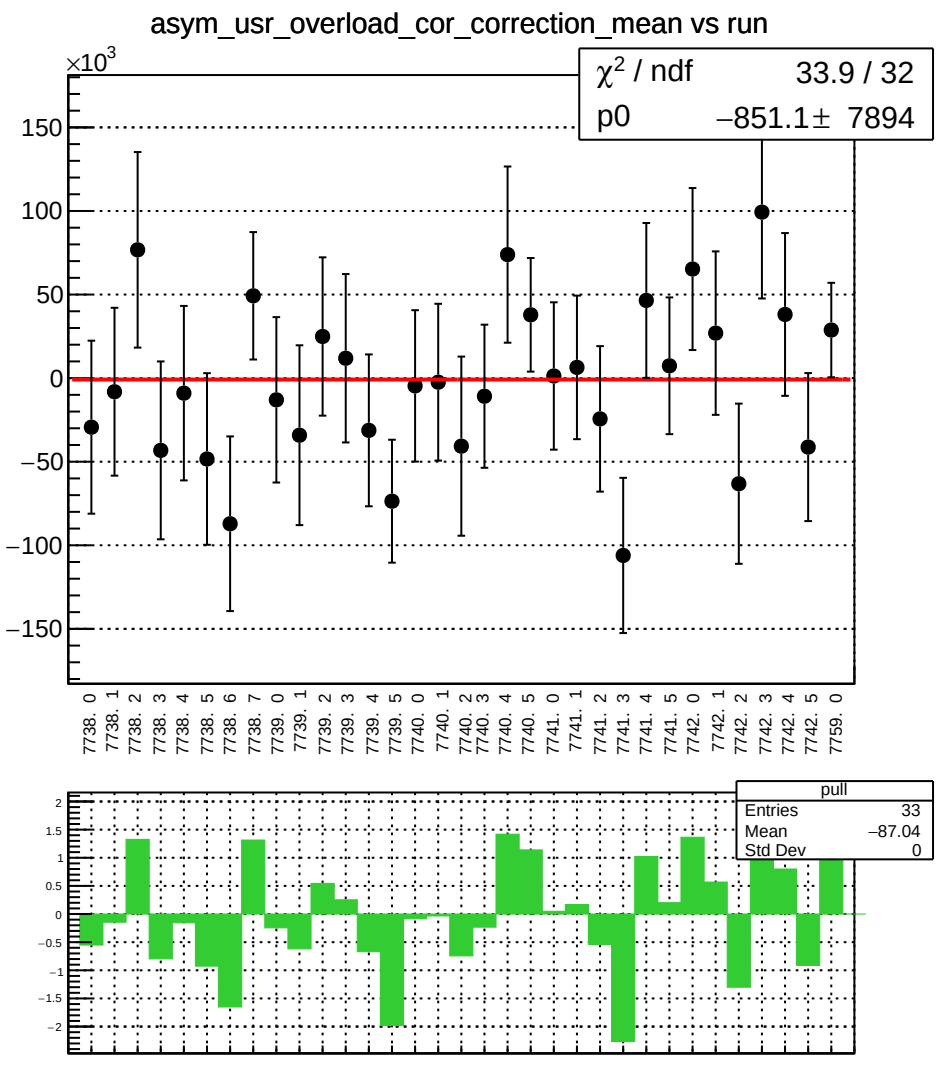

pull1D
Entries 33
Mean −0.02069
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

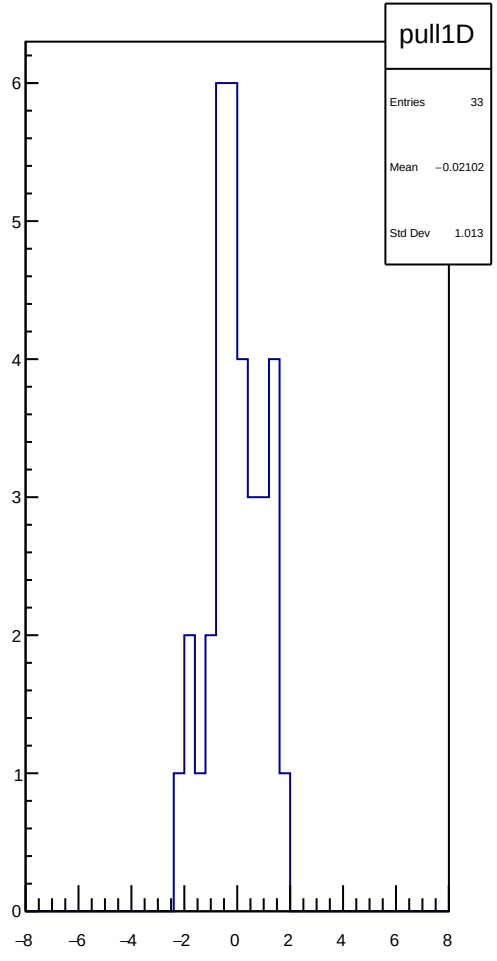

asym_usr_cor_correction_rms vs run
χ² / ndf 5188 / 32
p0 4526 ± 5.581
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

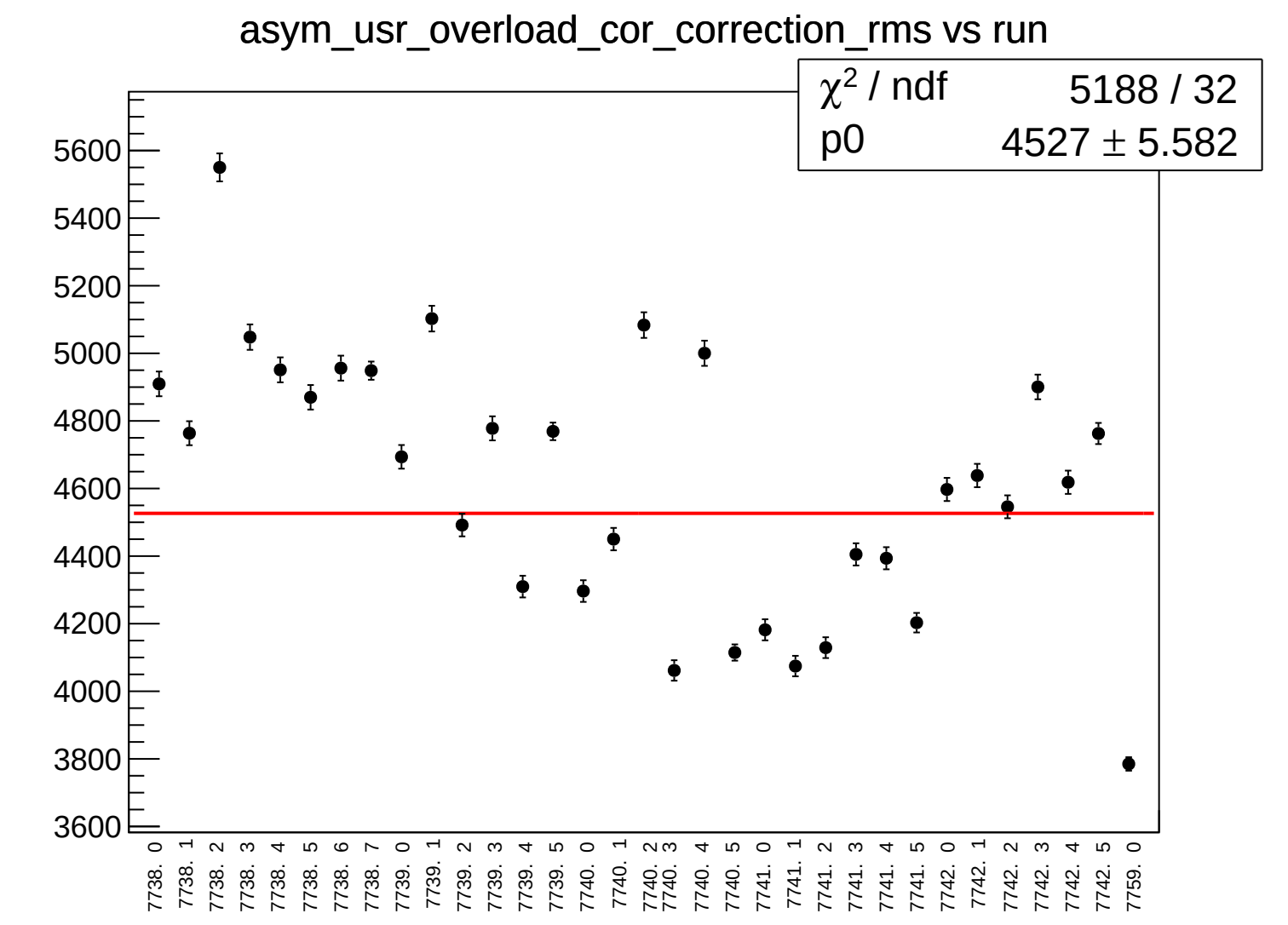

overload_cor_asym_usr_mean vs run
χ² / ndf 44.02 / 32
p0 −2900 ± 1931
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −96.9
Std Dev 0
3
2
1
0
−1
−2

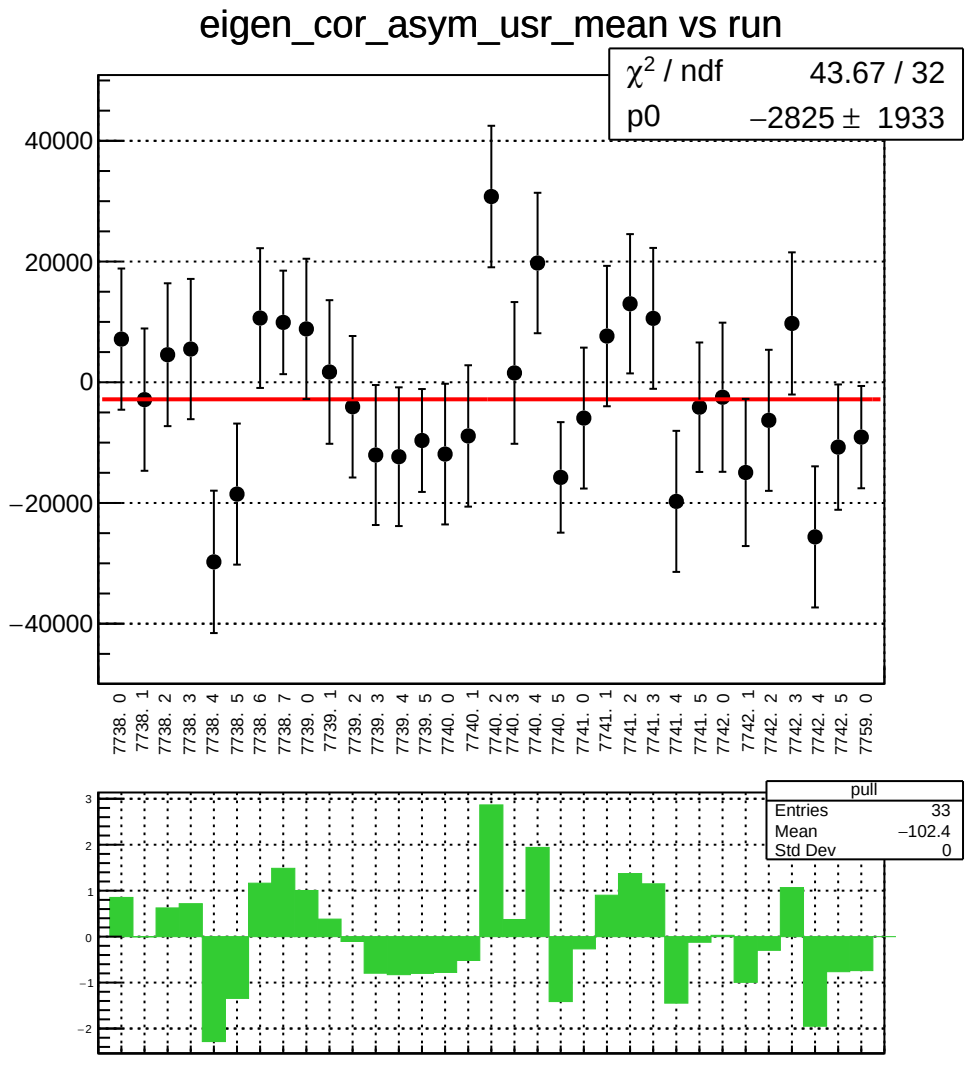

pull1D
Entries 33
Mean 0.01437
Std Dev 1.155
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

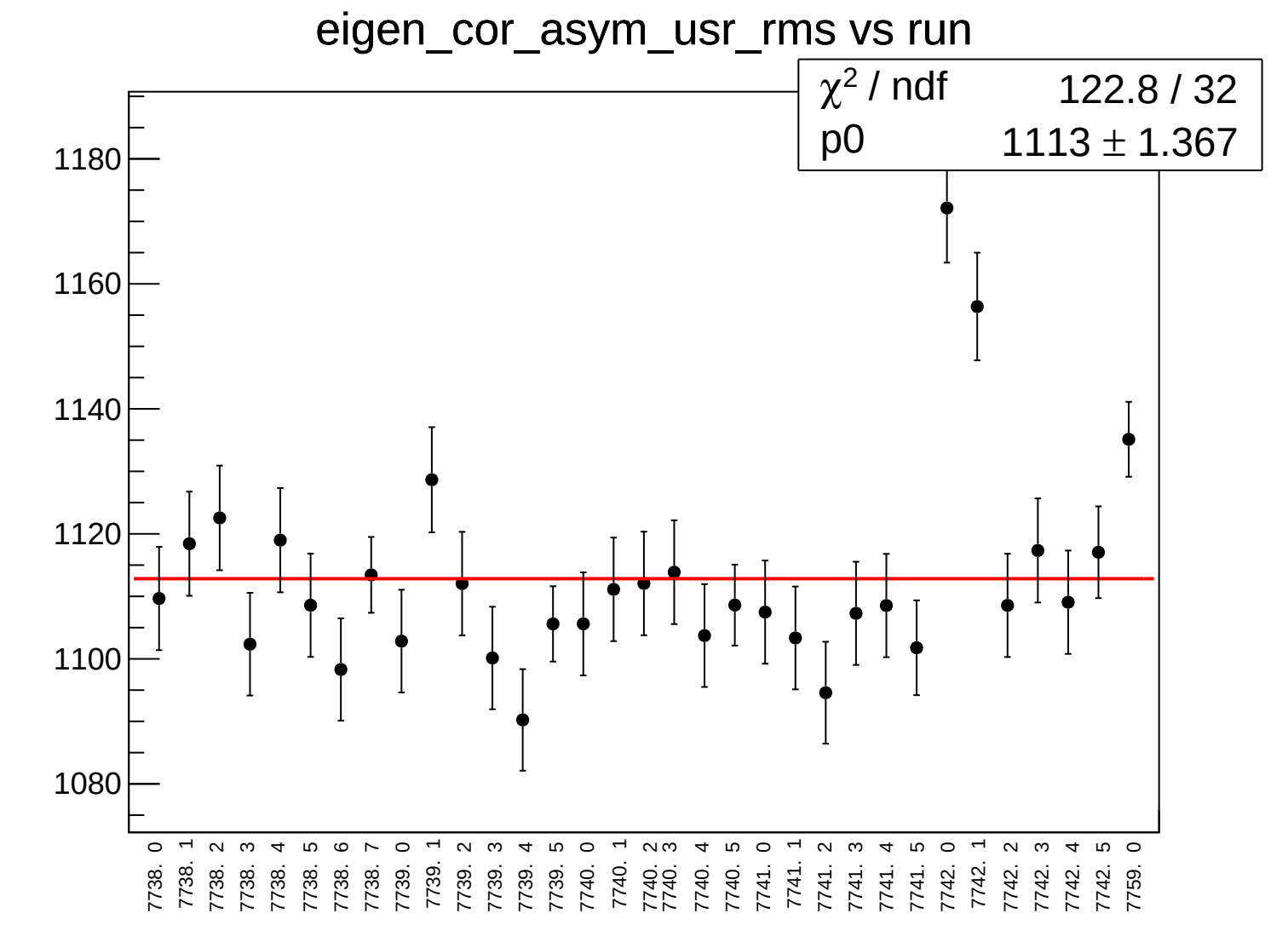

overload_cor_asym_usr_rms vs run
χ² / ndf 113.3 / 32
p0 1112 ± 1.366
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

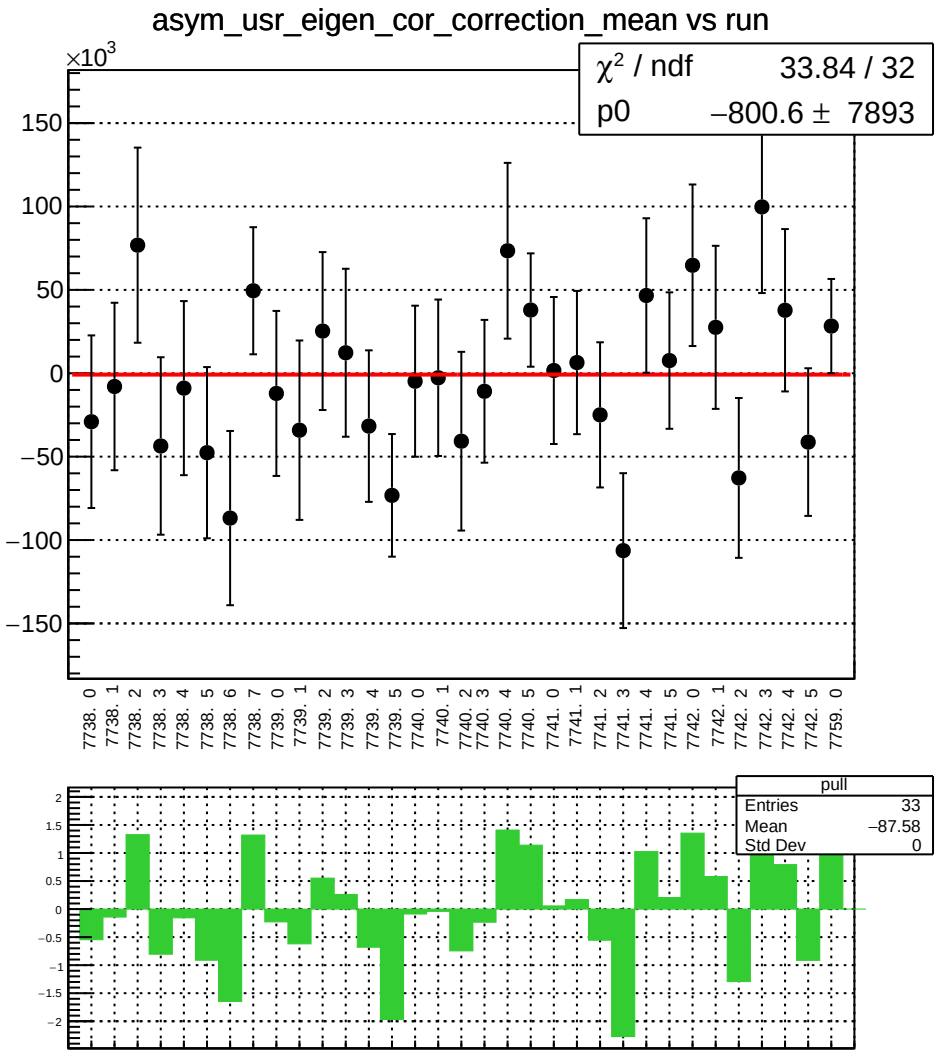

asym_usr_overload_cor_correction_mean vs run
×10^3
χ^2 / ndf 33.9 / 32
p0 −851.1± 7894
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

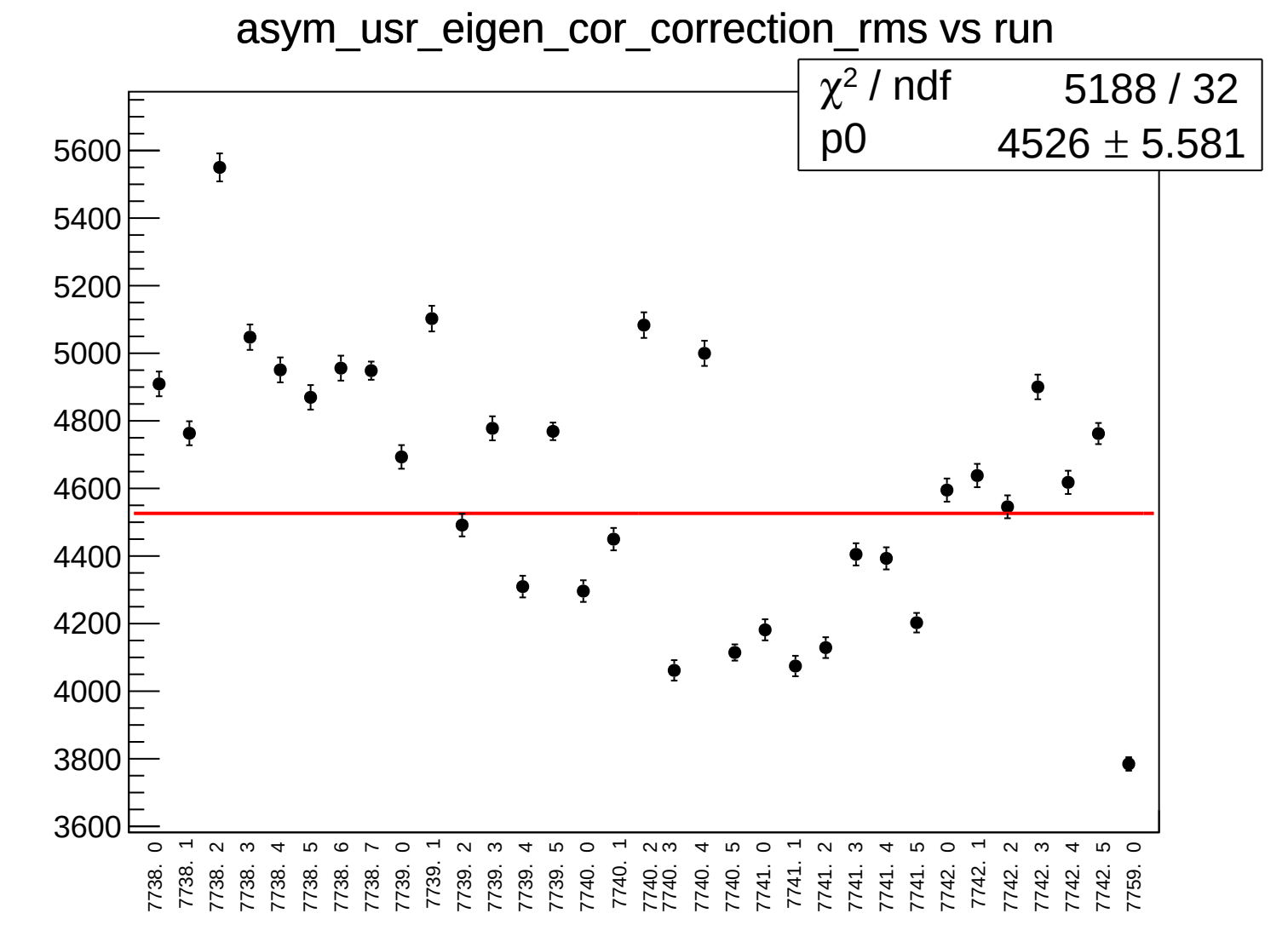

pull1D
Entries 33
Mean −0.02102
Std Dev 1.013
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

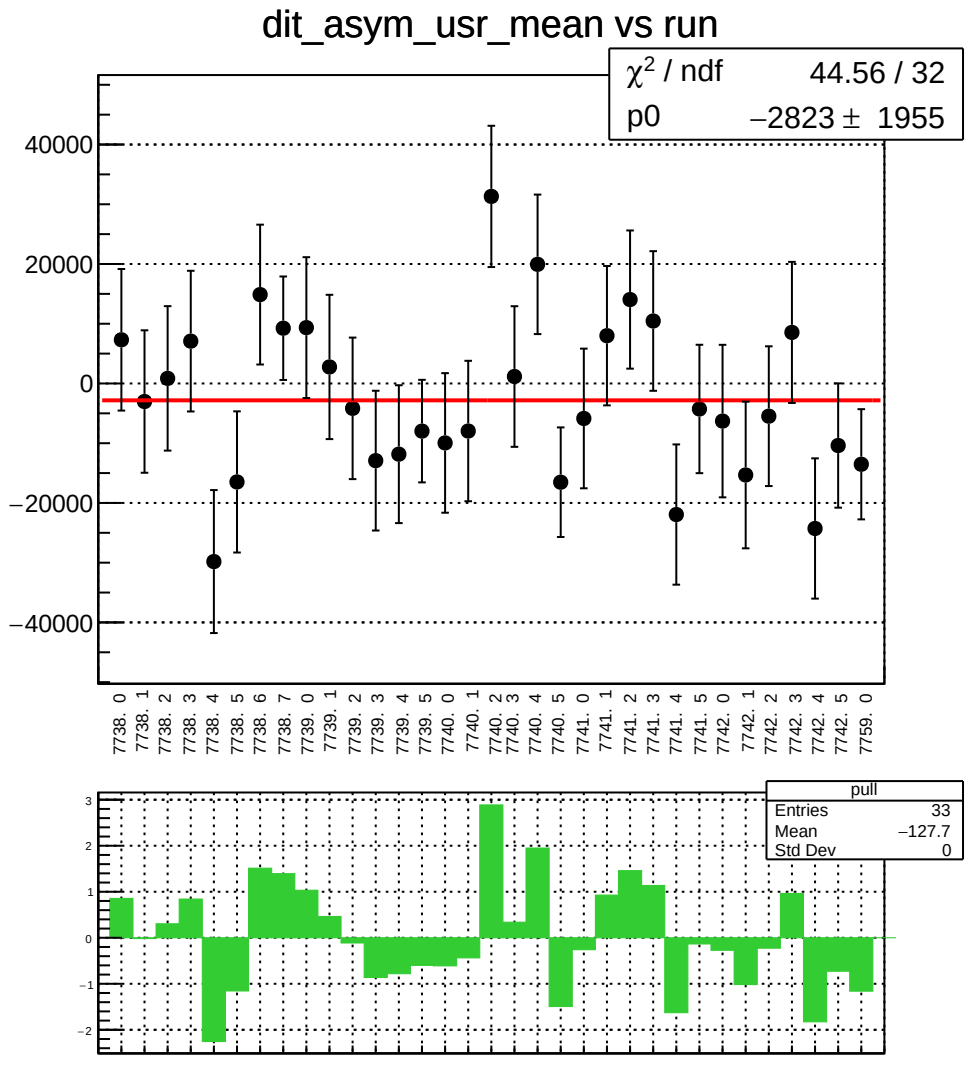

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 5188 / 32
p0 4527 ± 5.582
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

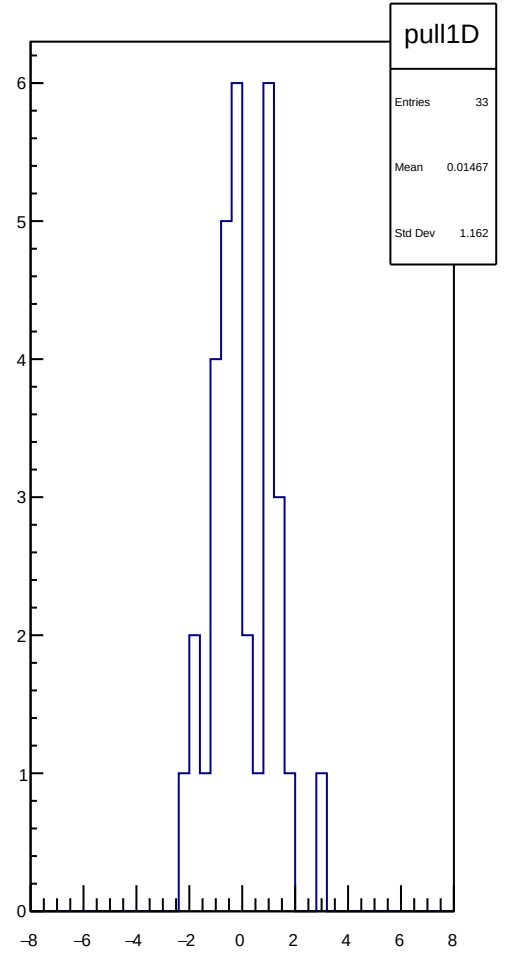

eigen_cor_asym_usr_mean vs run
χ² / ndf 43.67 / 32
p0 −2825 ± 1933
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.01443
Std Dev 1.15
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

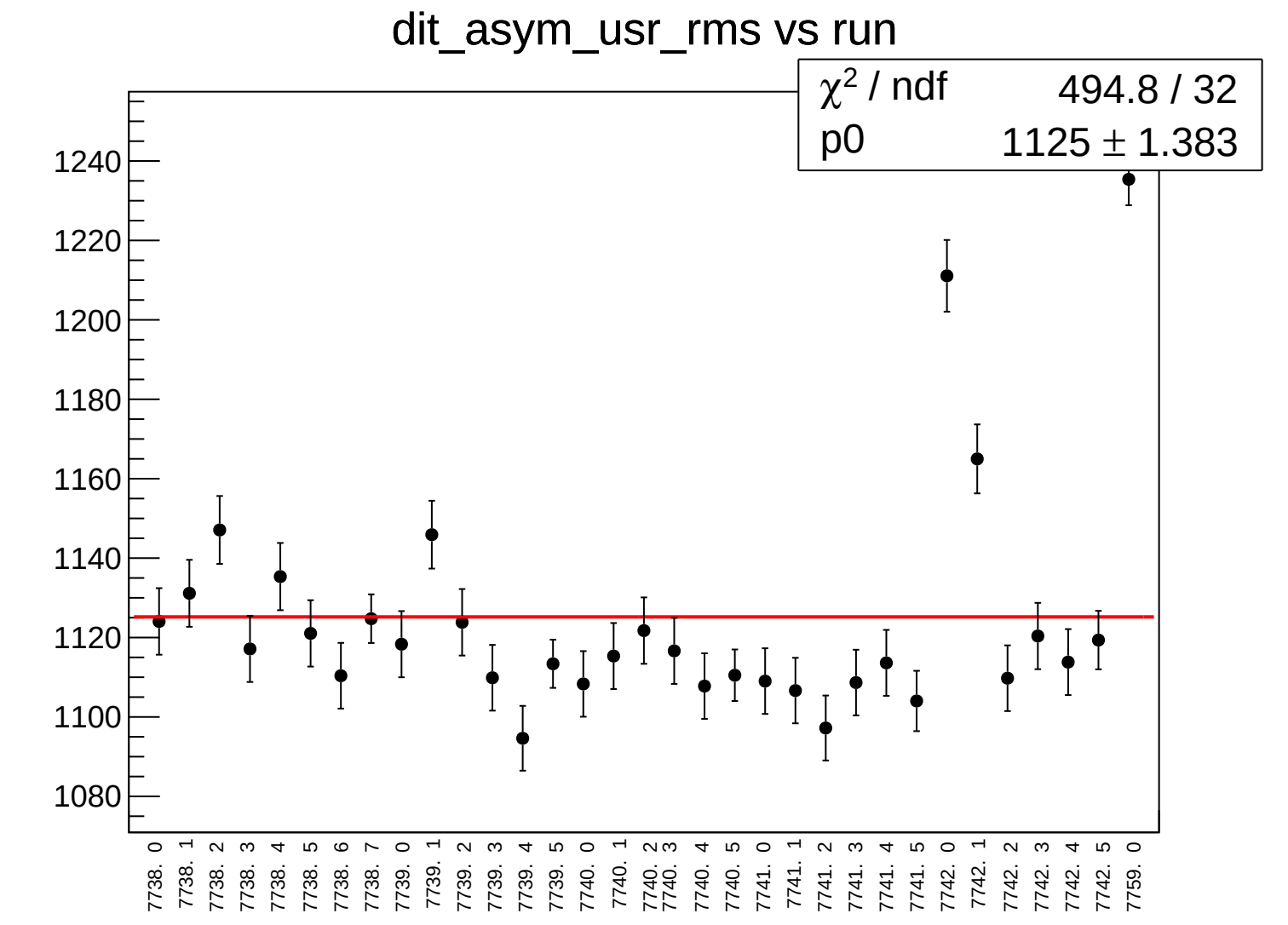

eigen_cor_asym_usr_rms vs run
χ² / ndf 122.8 / 32
p0 1113 ± 1.367
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

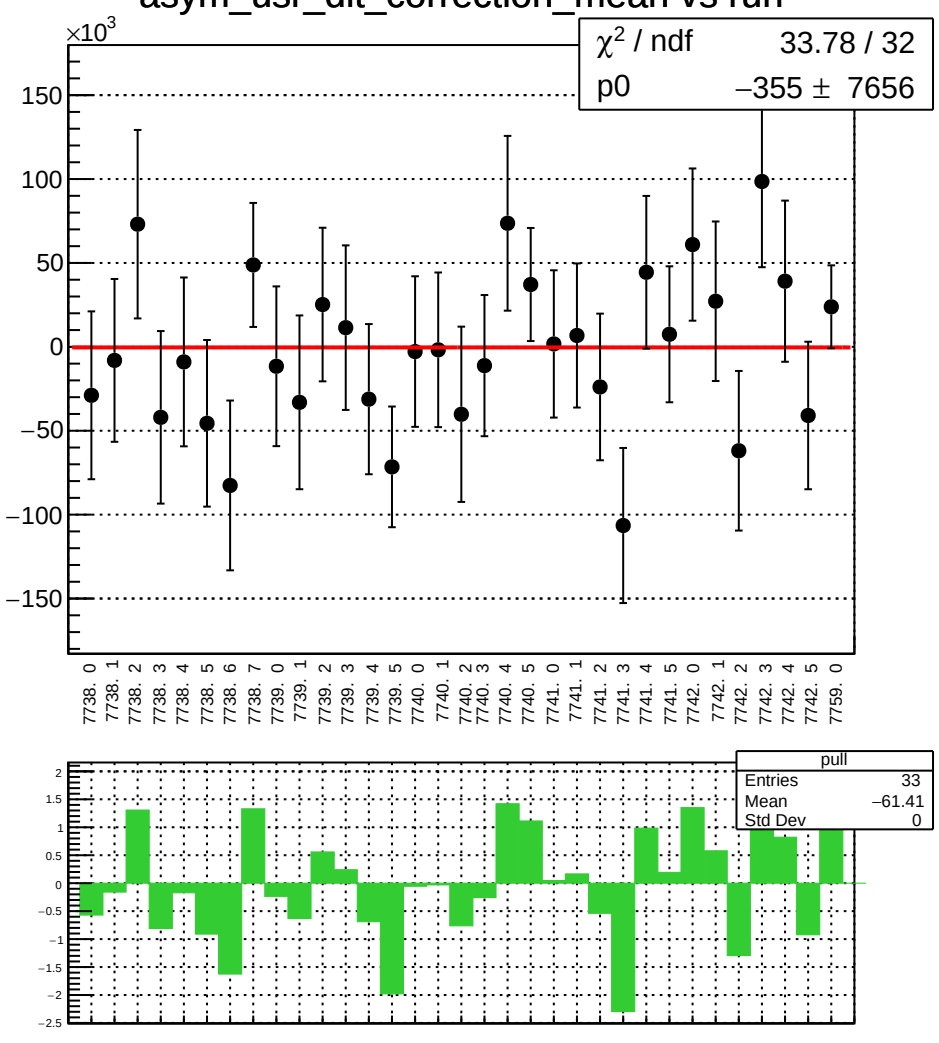

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 33.84 / 32
p0 −800.6 ± 7893
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02069
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

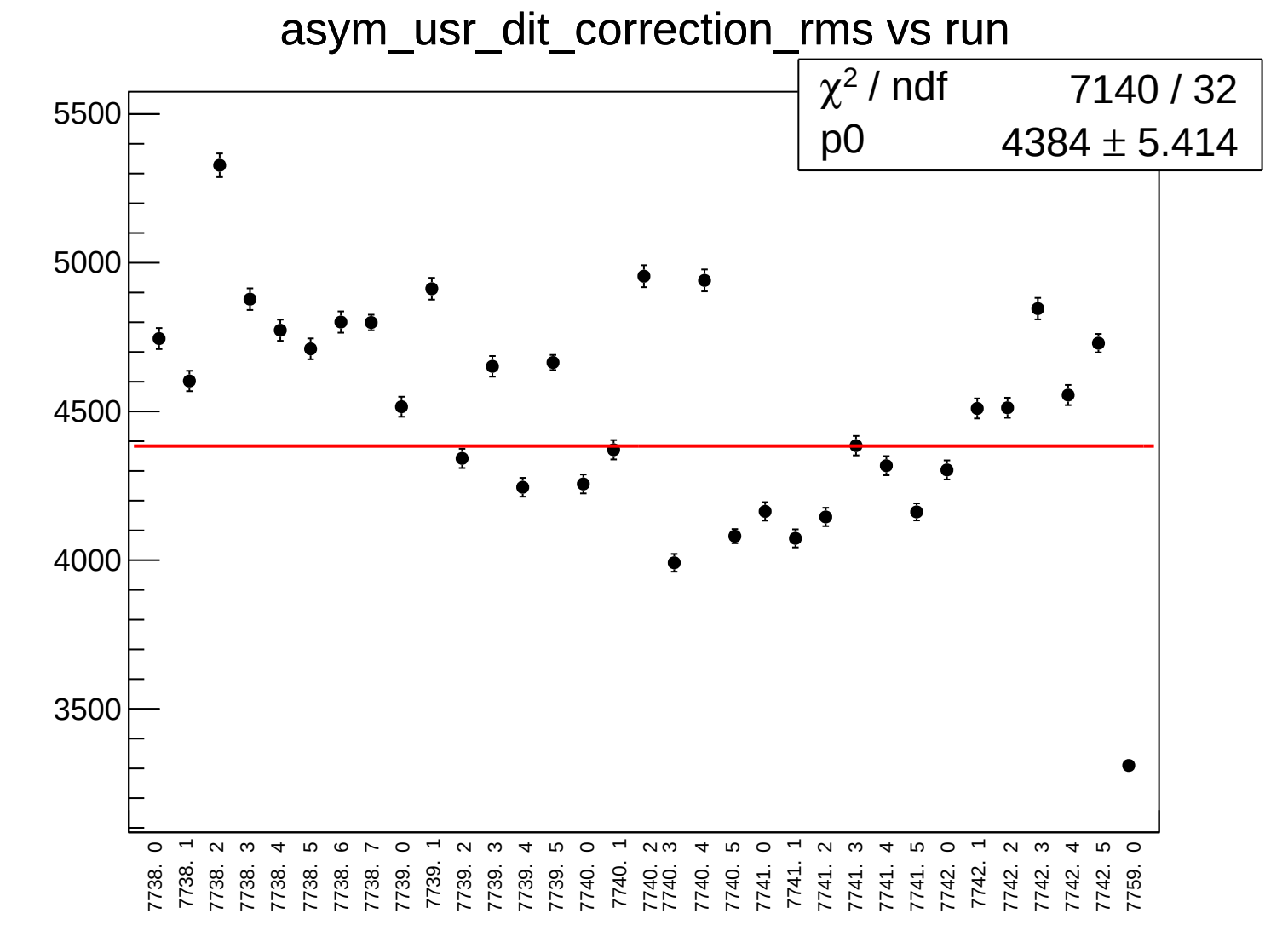

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 5188 / 32
p0 4526 ± 5.581
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

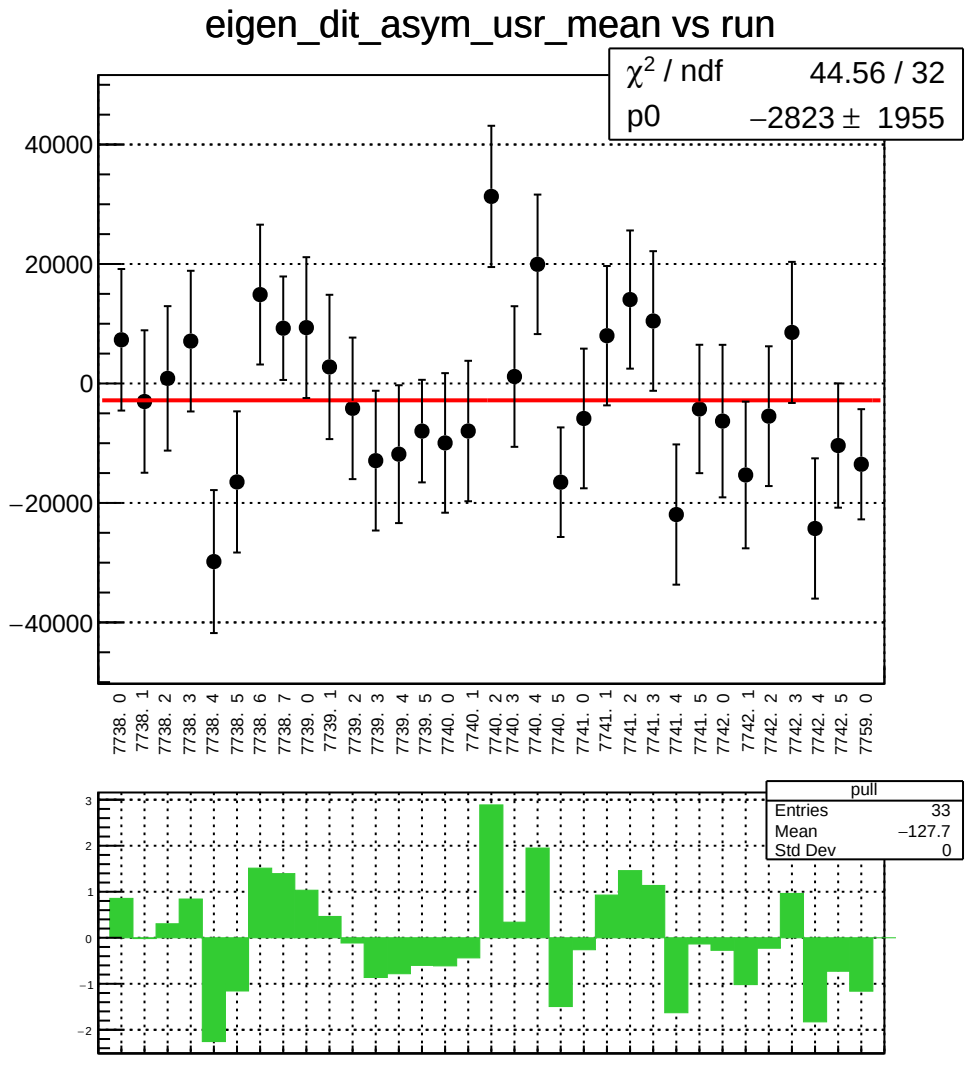

dit_asym_usr_mean vs run
χ² / ndf 44.56 / 32
p0 −2823 ± 1955
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −127.7
Std Dev 0
3
2
1
0
−1
−2

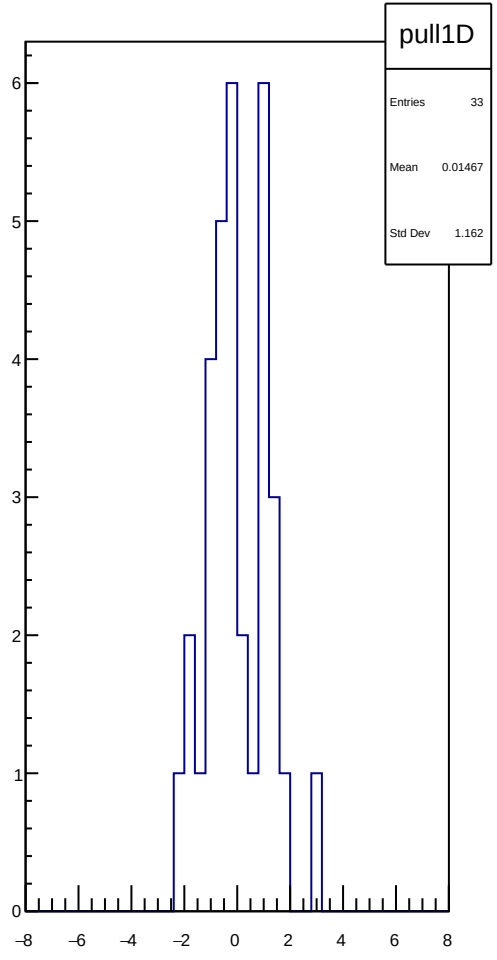

pull1D
Entries 33
Mean 0.01467
Std Dev 1.162
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

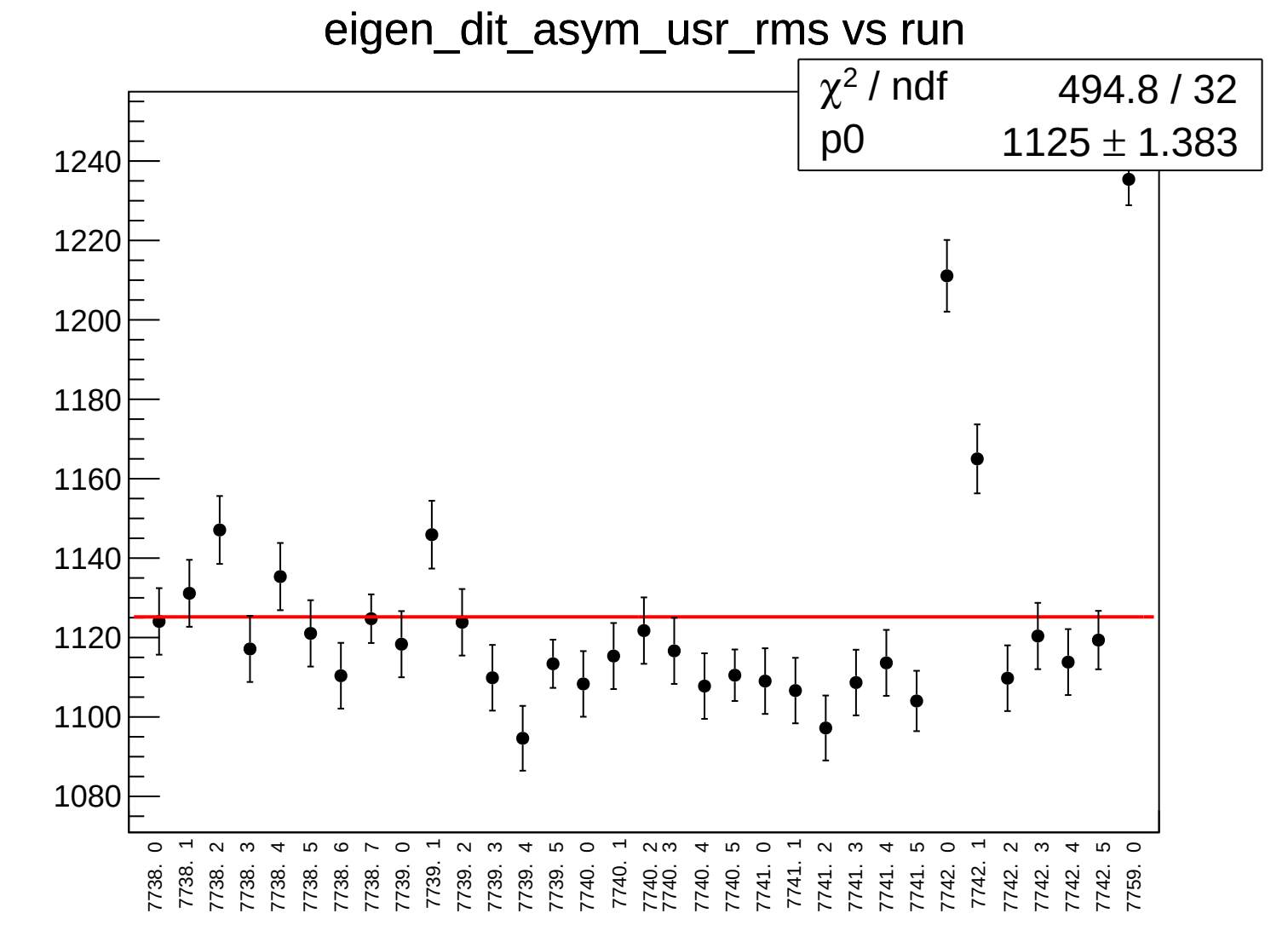

dit_asym_usr_rms vs run
χ² / ndf 494.8 / 32
p0 1125 ± 1.383
1240
1220
1200
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

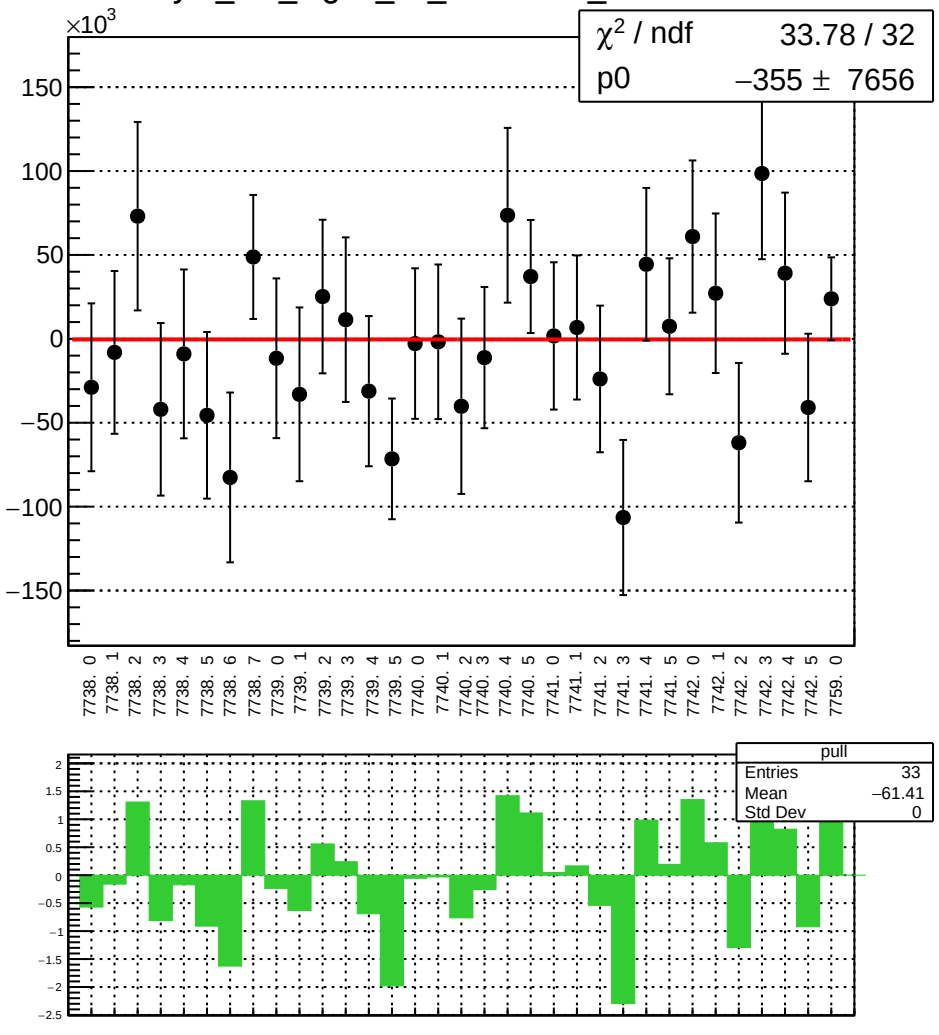

asym_usr_dit_correction_mean vs run
×10^3
χ² / ndf 33.78 / 32
p0 −355 ± 7656
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −61.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.02754
Std Dev 1.011
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

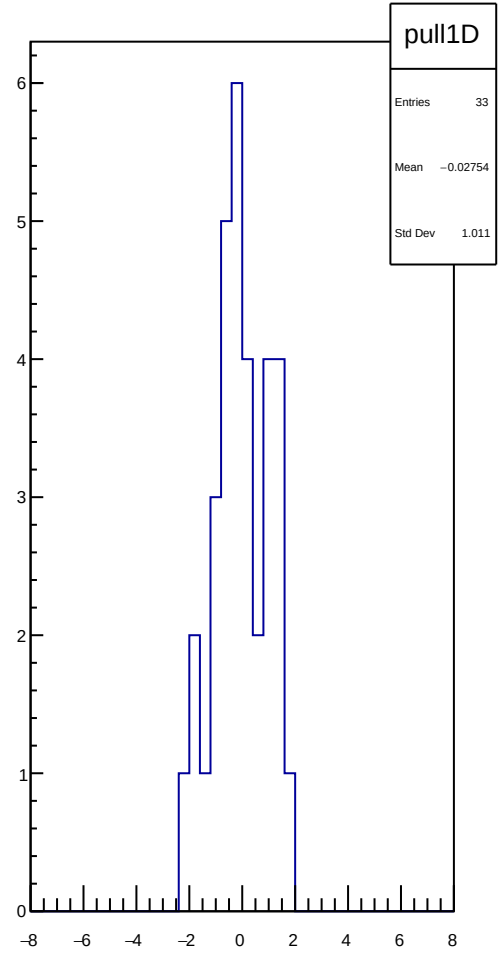

asym_usr_dit_correction_rms vs run
χ² / ndf 7140 / 32
p0 4384 ± 5.414
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

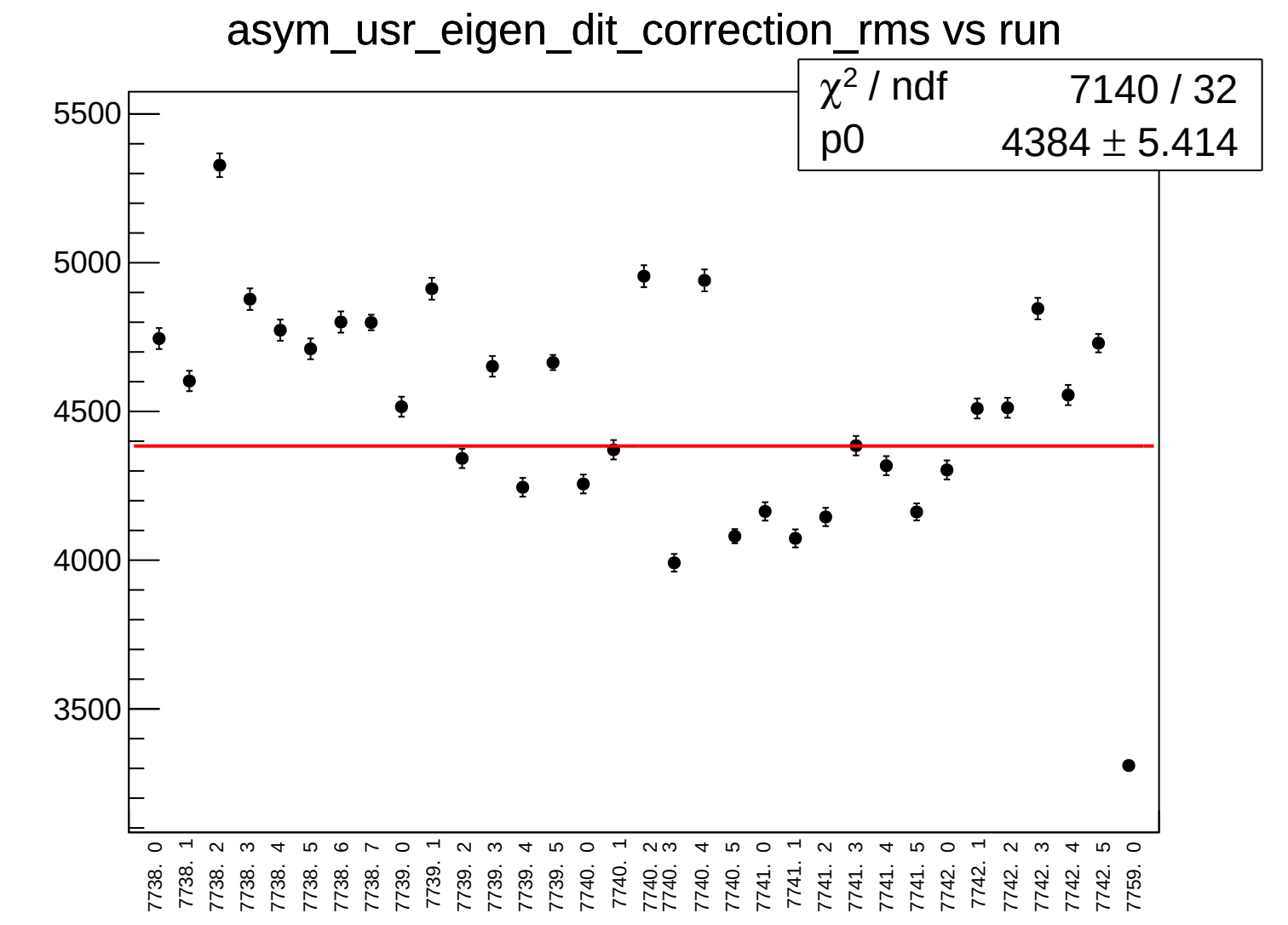

eigen_dit_asym_usr_mean vs run
χ² / ndf 44.56 / 32
p0 −2823 ± 1955
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −127.7
Std Dev 0
3
2
1
0
−1
−2

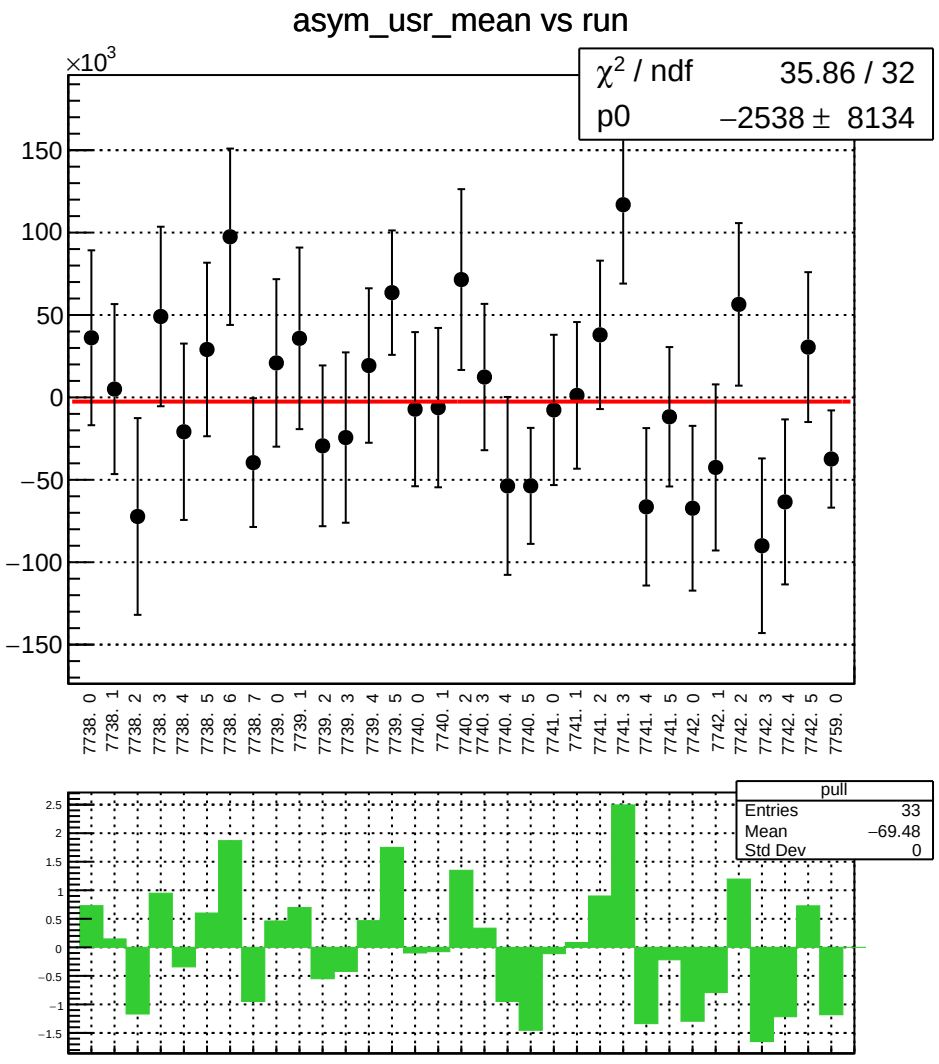

pull1D
Entries 33
Mean 0.01467
Std Dev 1.162
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

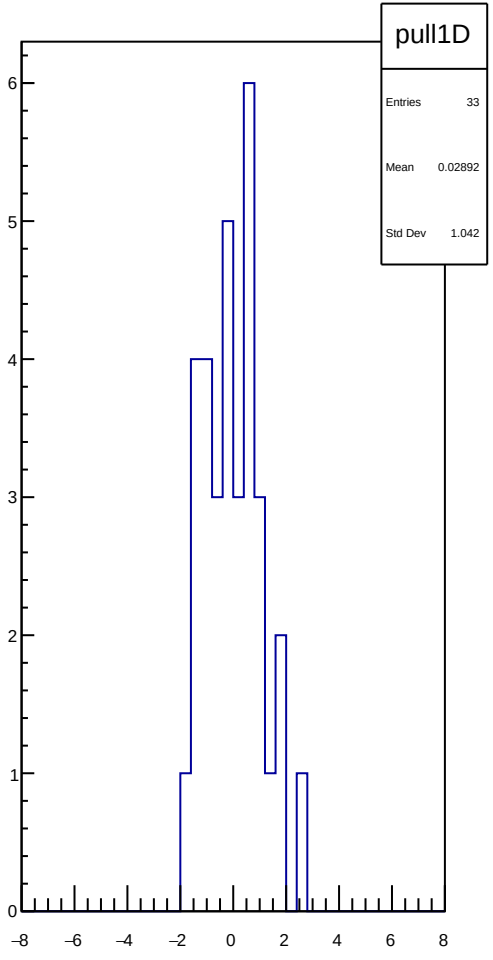

eigen_dit_asym_usr_rms vs run
χ² / ndf 494.8 / 32
p0 1125 ± 1.383
1240
1220
1200
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

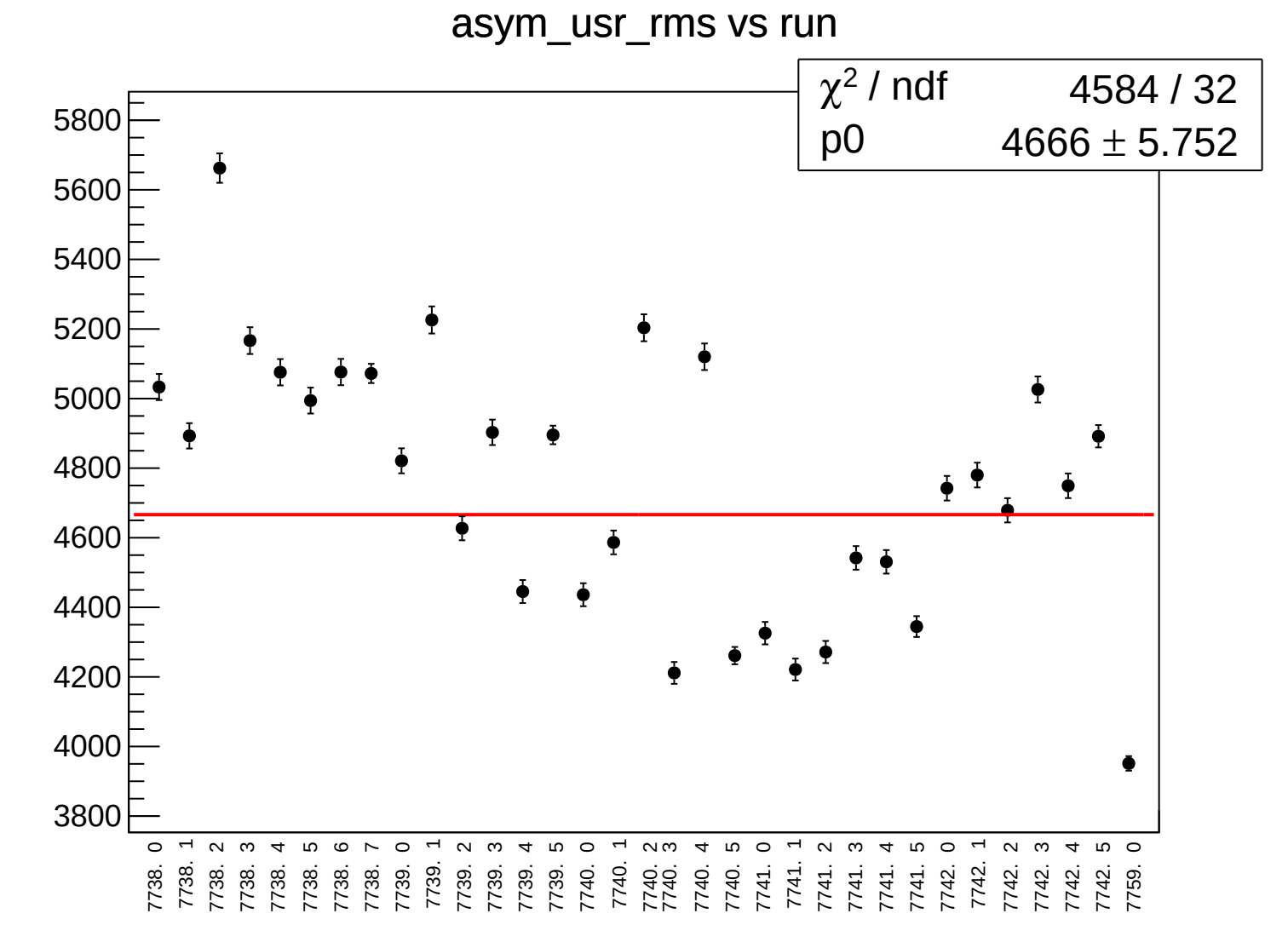

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 33.78 / 32
p0 −355 ± 7656
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −61.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

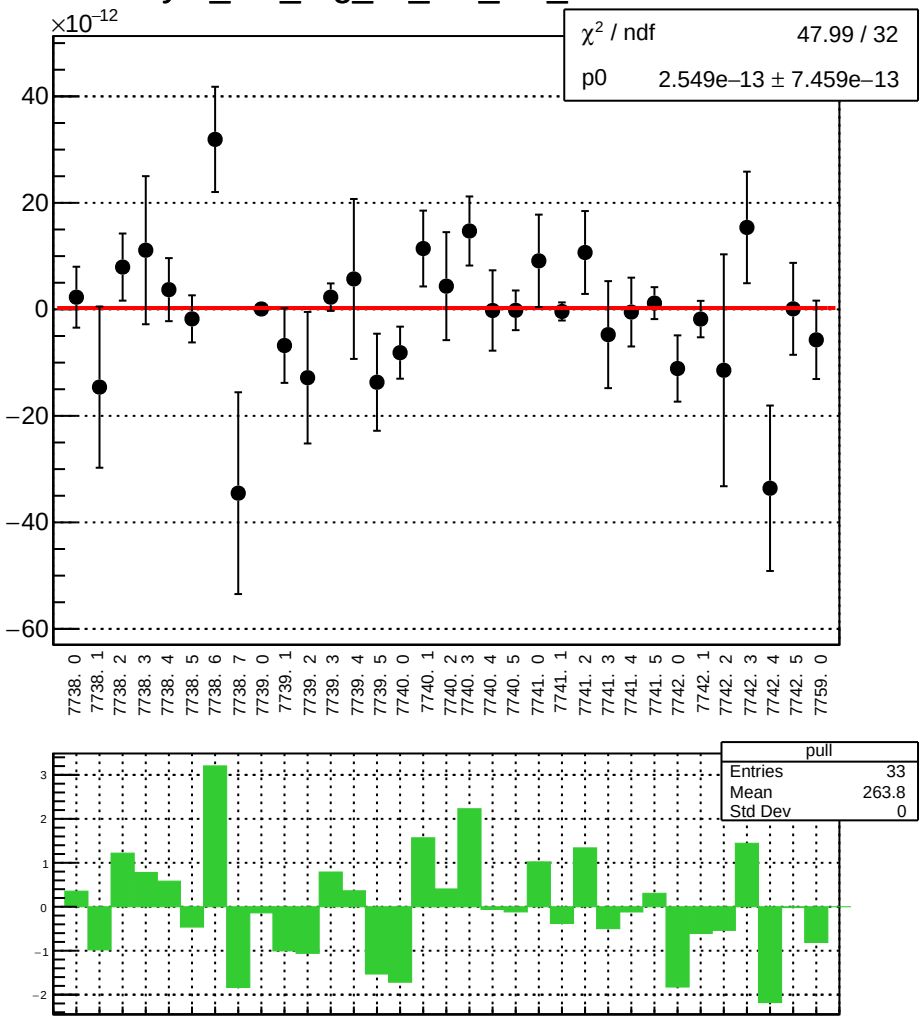

pull1D
Entries 33
Mean −0.02754
Std Dev 1.011
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

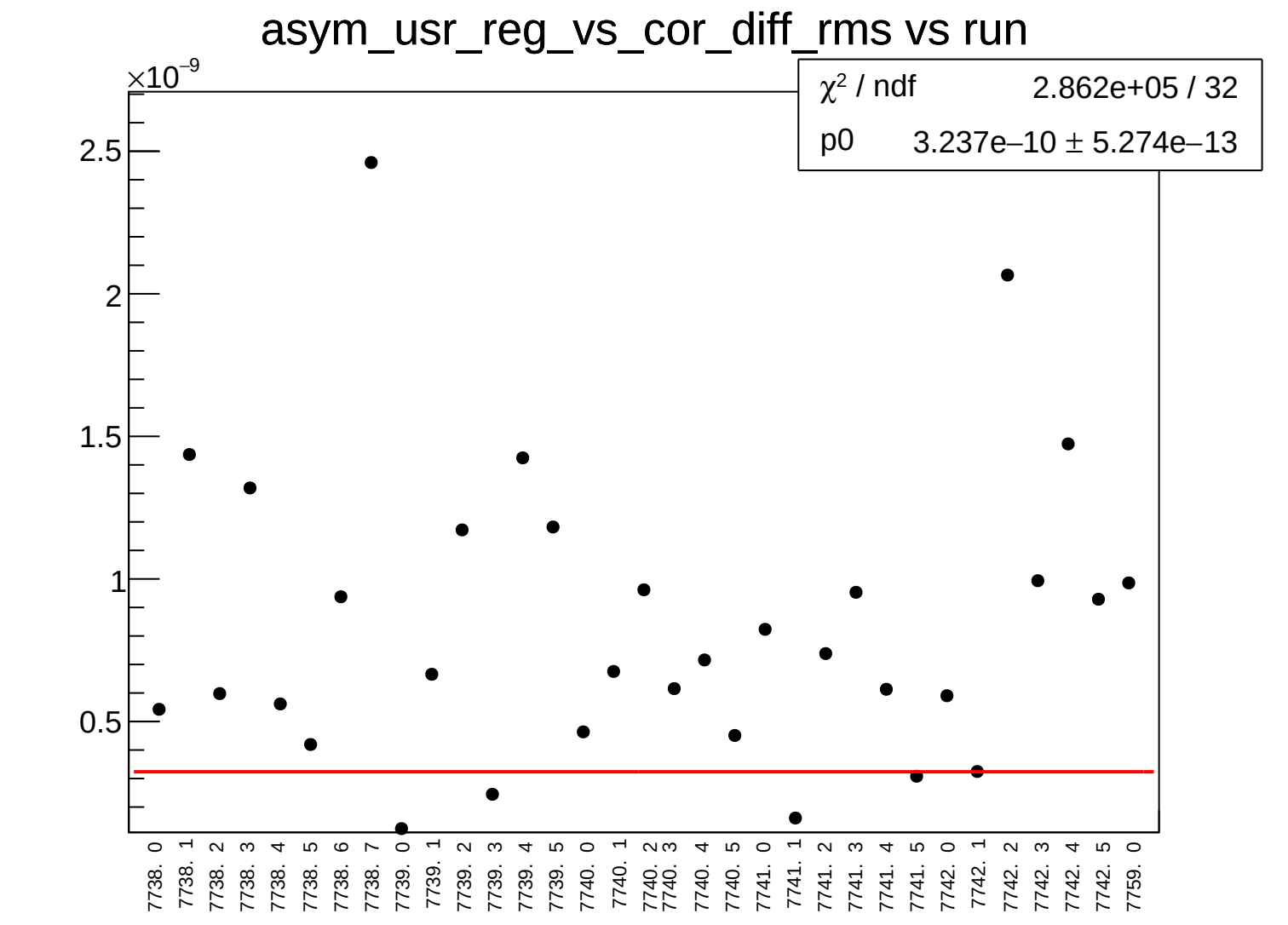

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 7140 / 32
p0 4384 ± 5.414
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

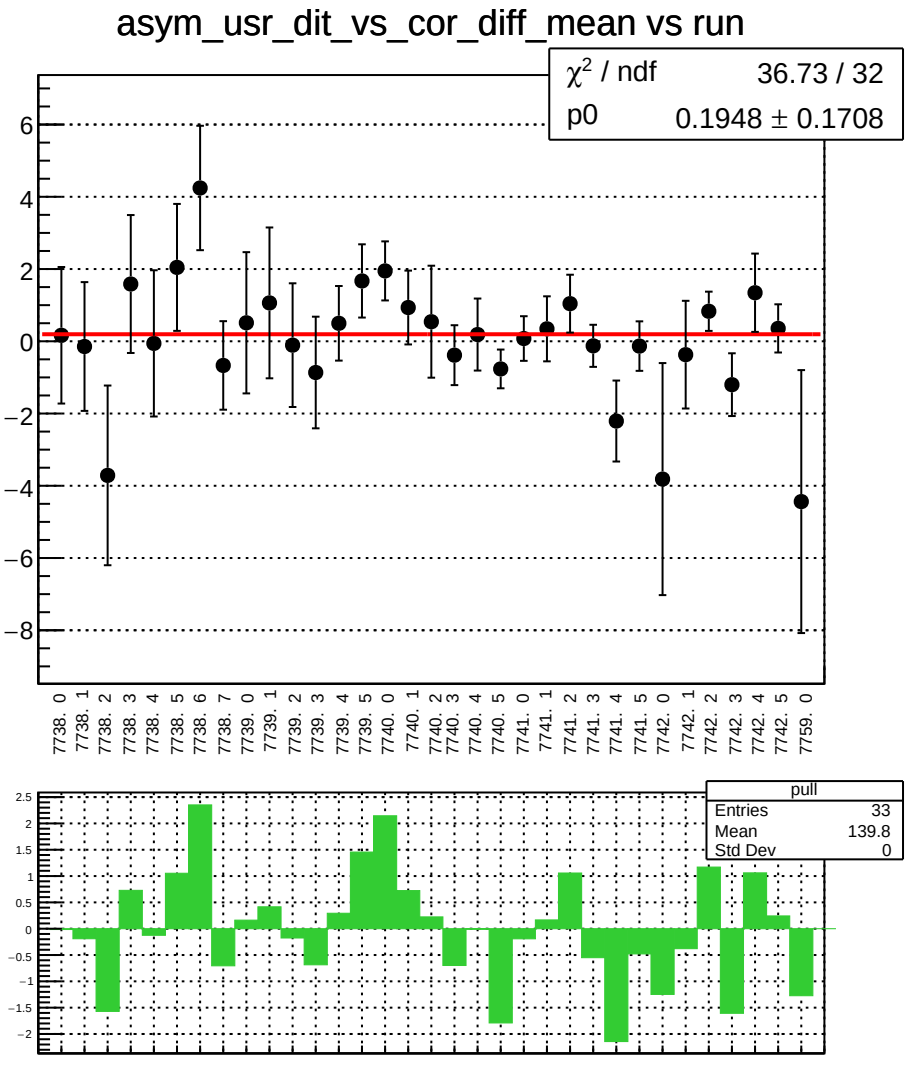

asym_usr_mean vs run
×10^3
χ² / ndf 35.86 / 32
p0 −2538 ± 8134
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −69.48
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

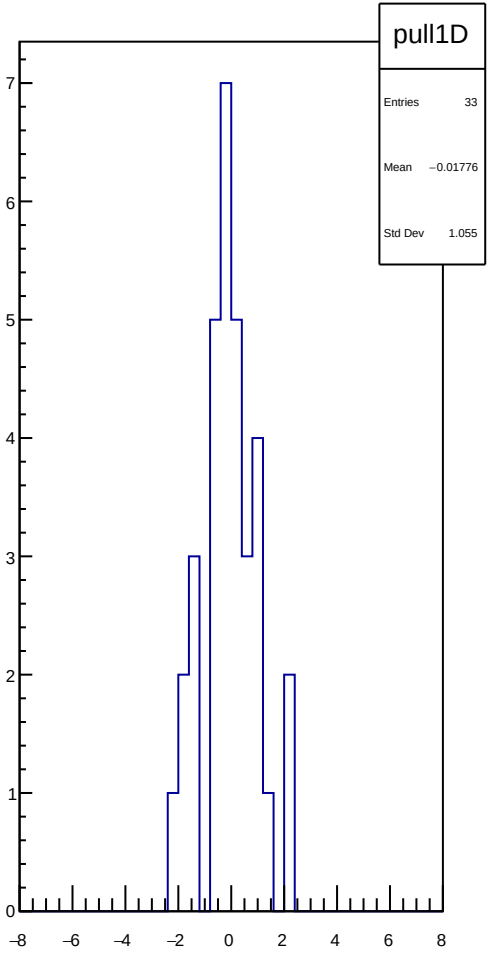

pull1D
Entries 33
Mean 0.02892
Std Dev 1.042
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

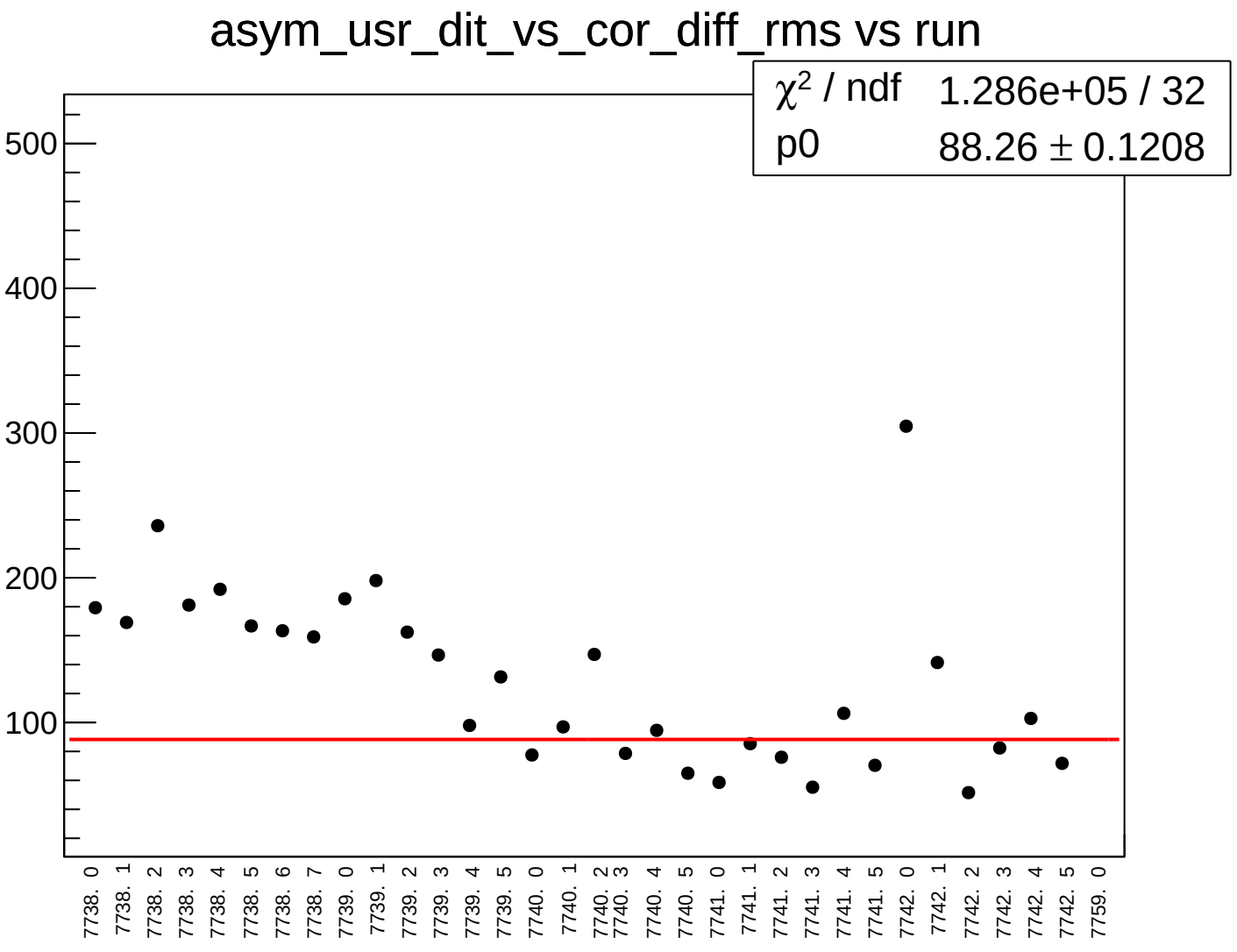

asym_usr_rms vs run
χ² / ndf 4584 / 32
p0 4666 ± 5.752
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

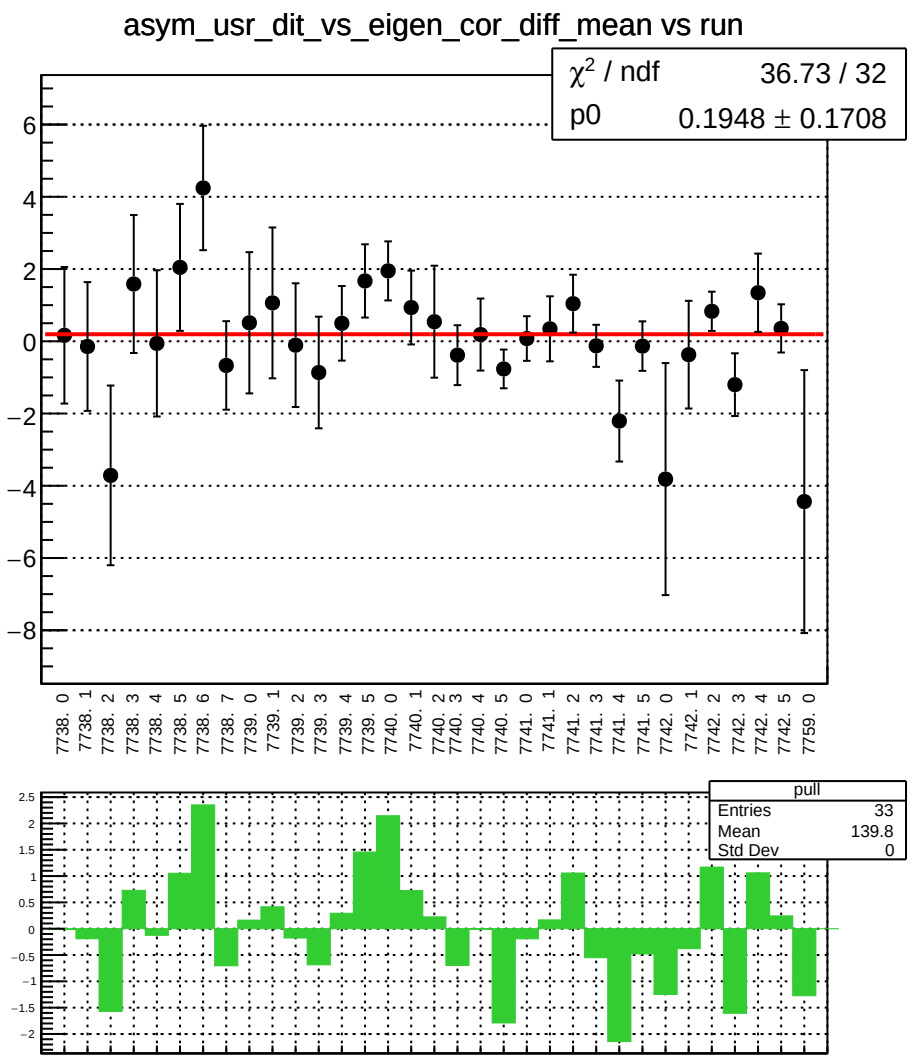

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.99 / 32
p0 2.549e−13 ± 7.459e−13
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 263.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.008108
Std Dev 1.206
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

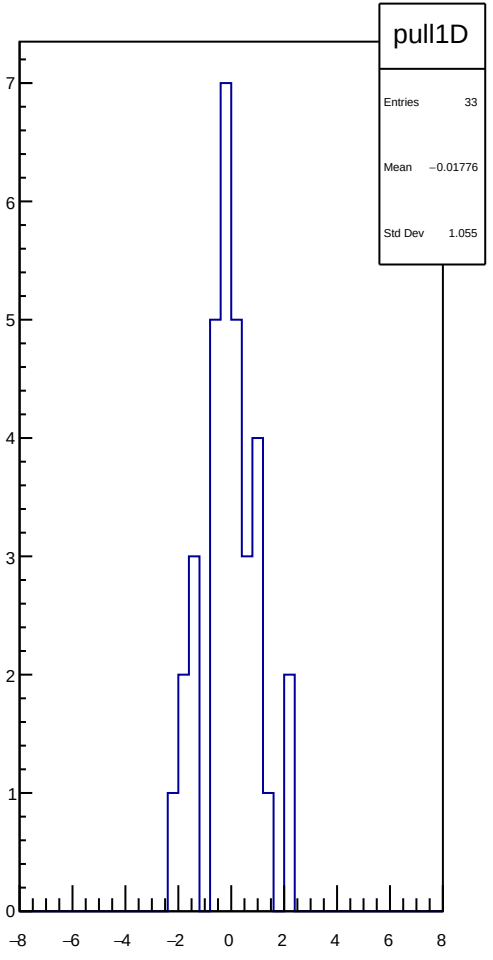

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.862e+05 / 32
p0 3.237e−10 ± 5.274e−13
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

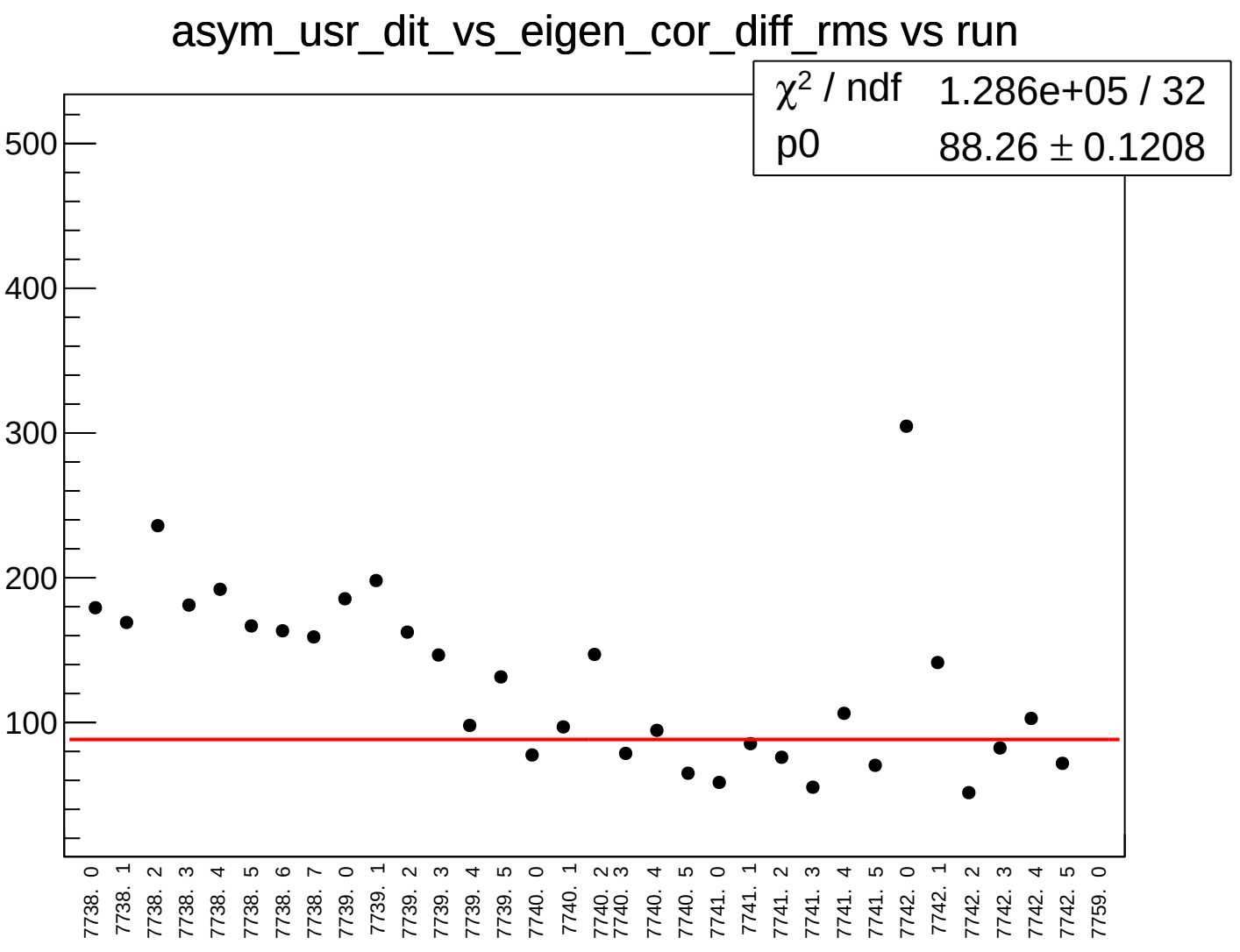

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 36.73 / 32
p0 0.1948 ± 0.1708
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 139.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

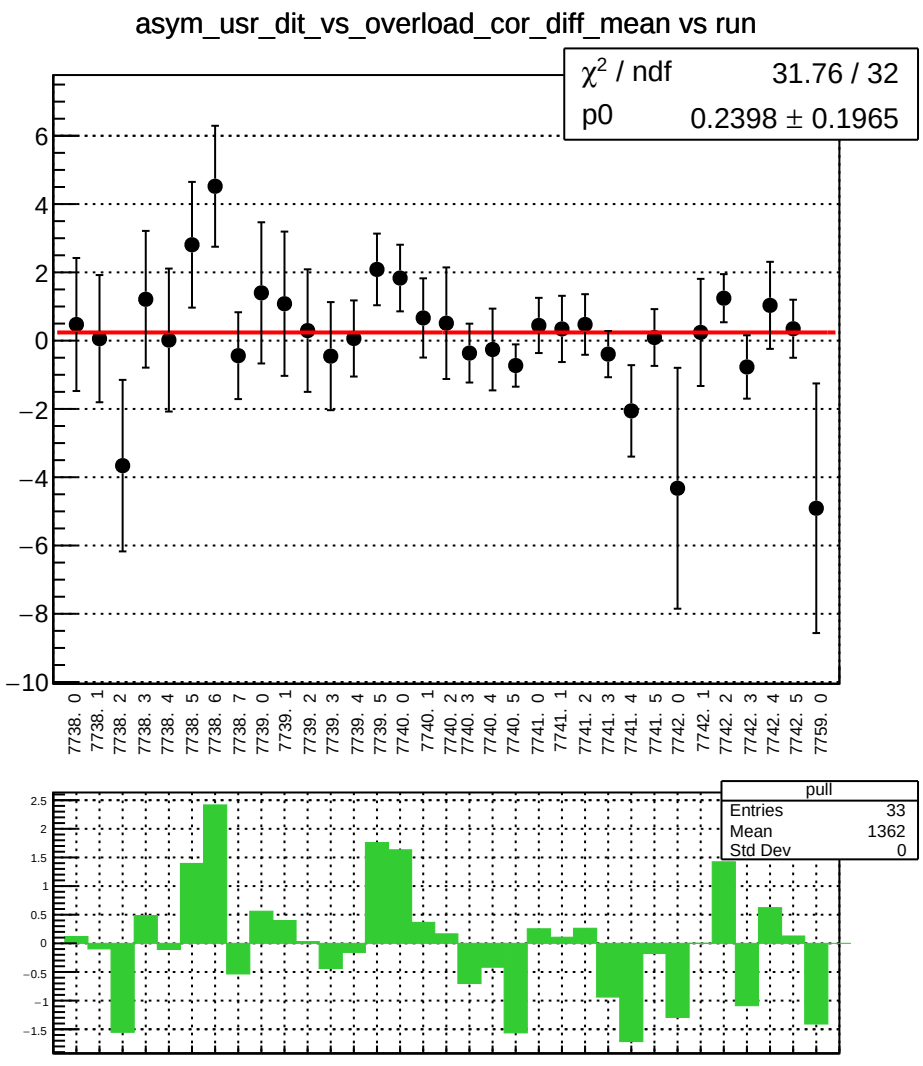

pull1D
Entries 33
Mean −0.01776
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

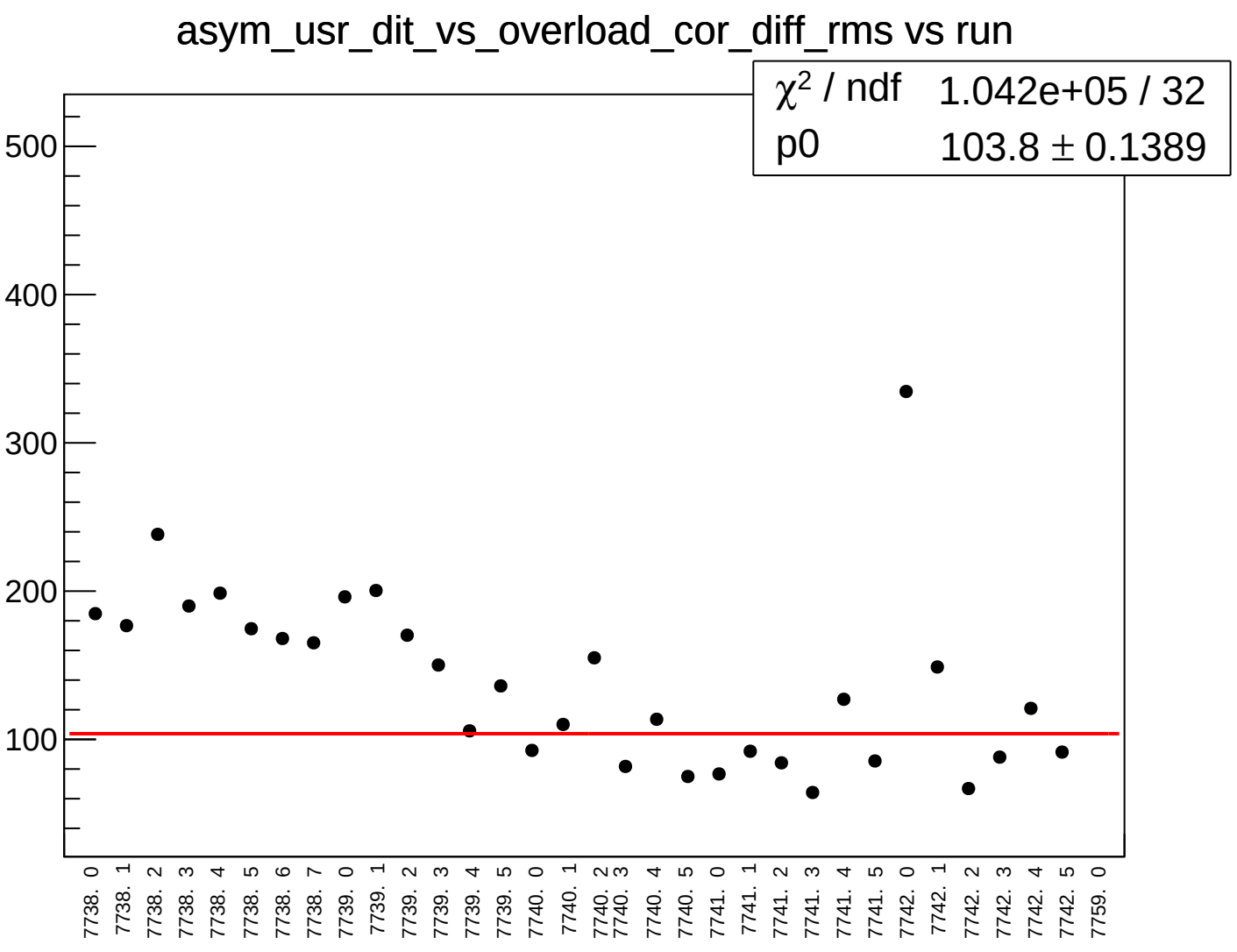

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 32
p0 88.26 ± 0.1208
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

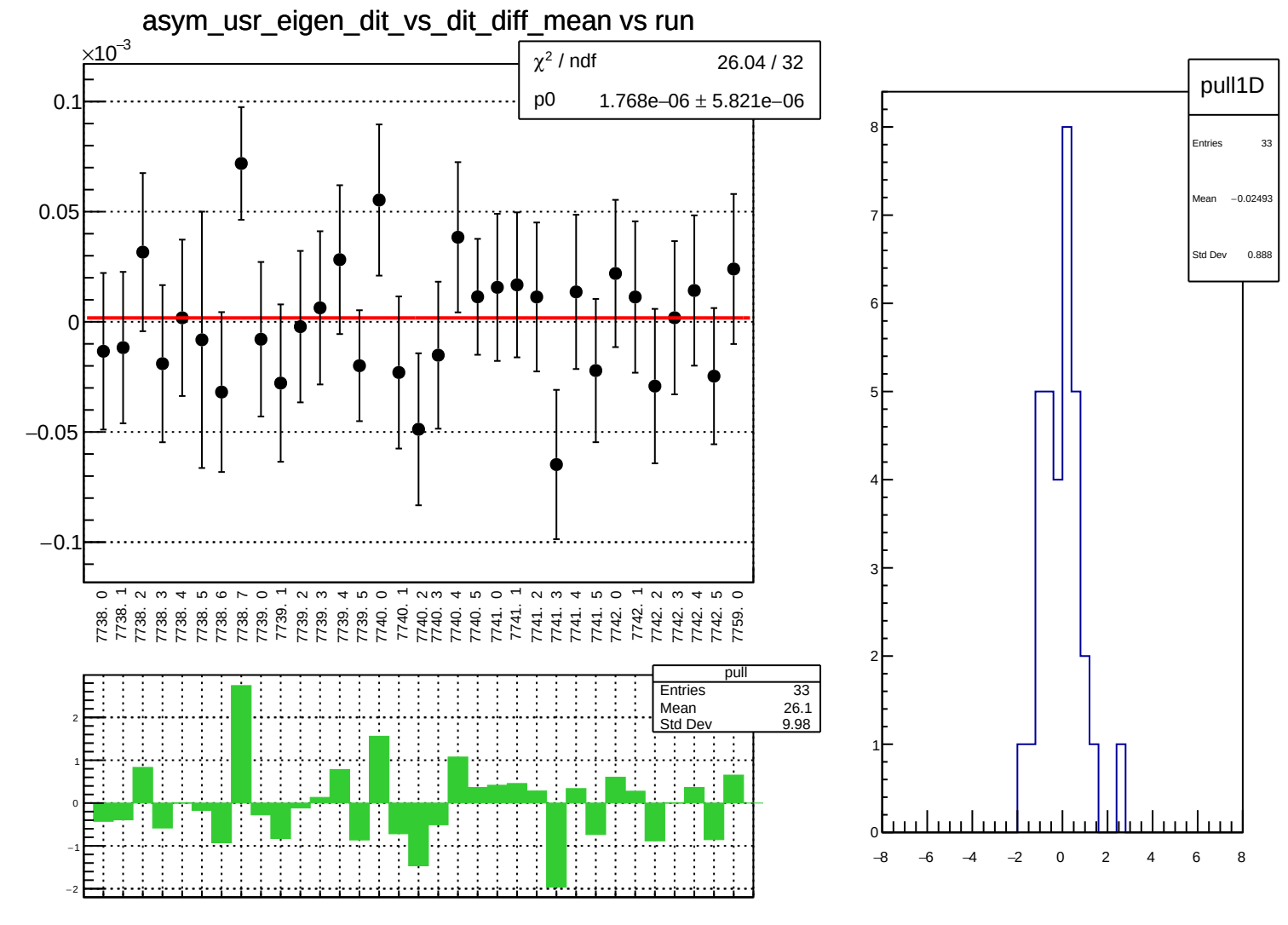

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.73 / 32
p0 0.1948 ± 0.1708
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 139.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

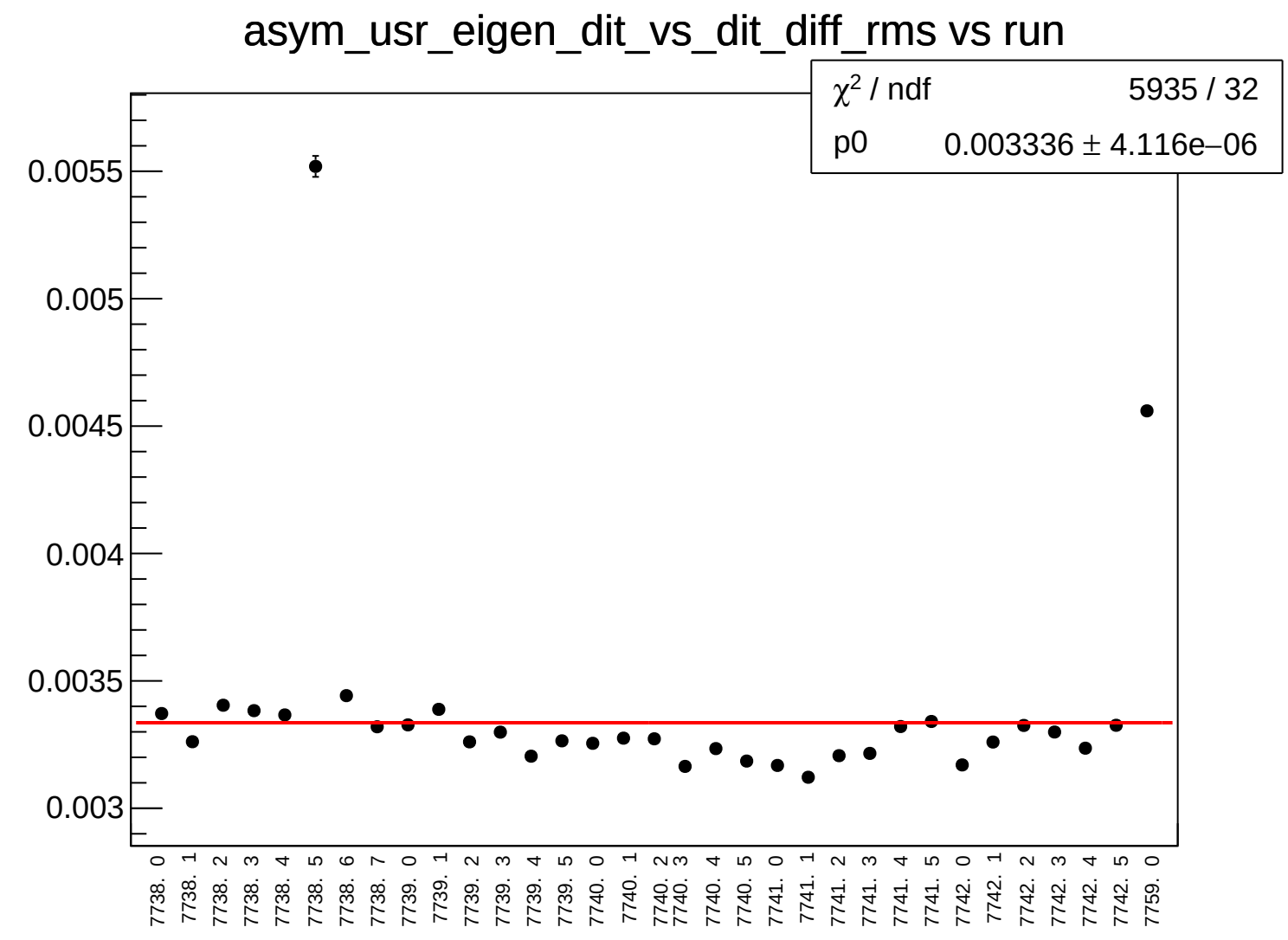

pull1D
Entries 33
Mean −0.01776
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

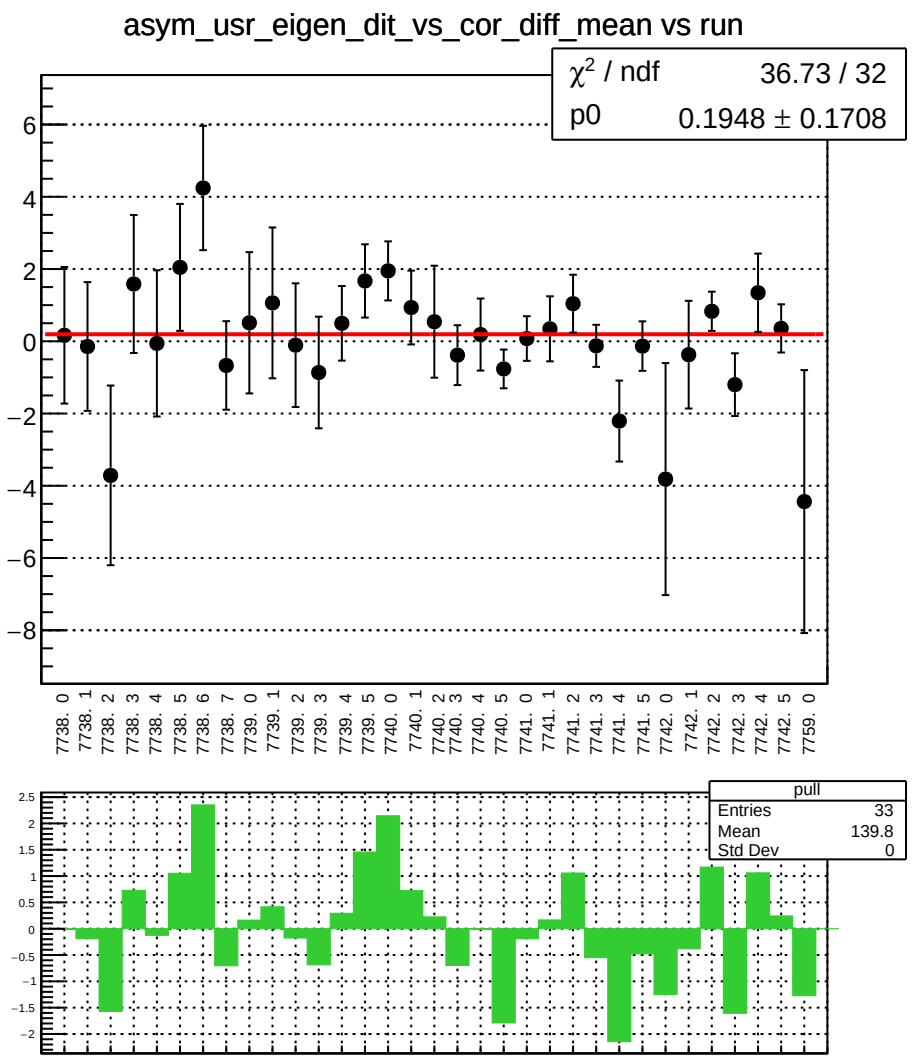

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 32
p0 88.26 ± 0.1208
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

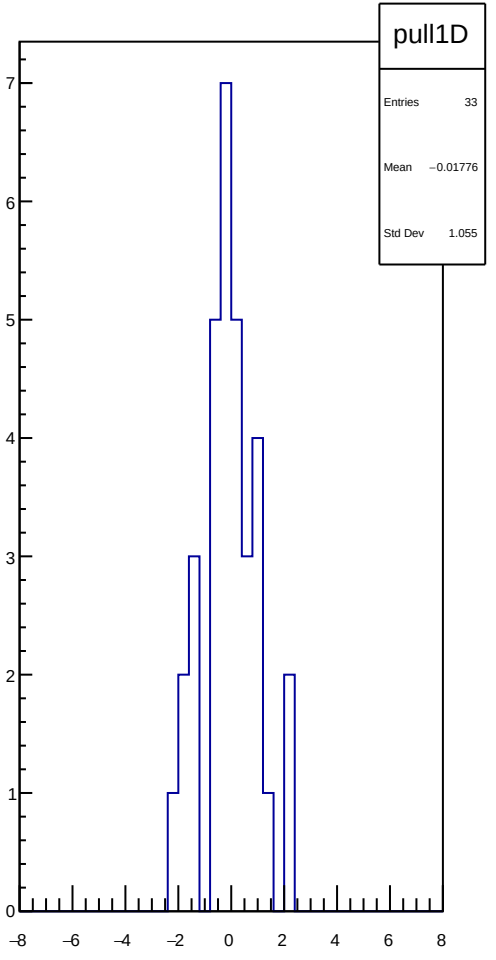

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 31.76 / 32
p0 0.2398 ± 0.1965
pull
Entries 33
Mean 1362
Std Dev 0
pull1D
Entries 33
Mean −0.001776
Std Dev 0.981

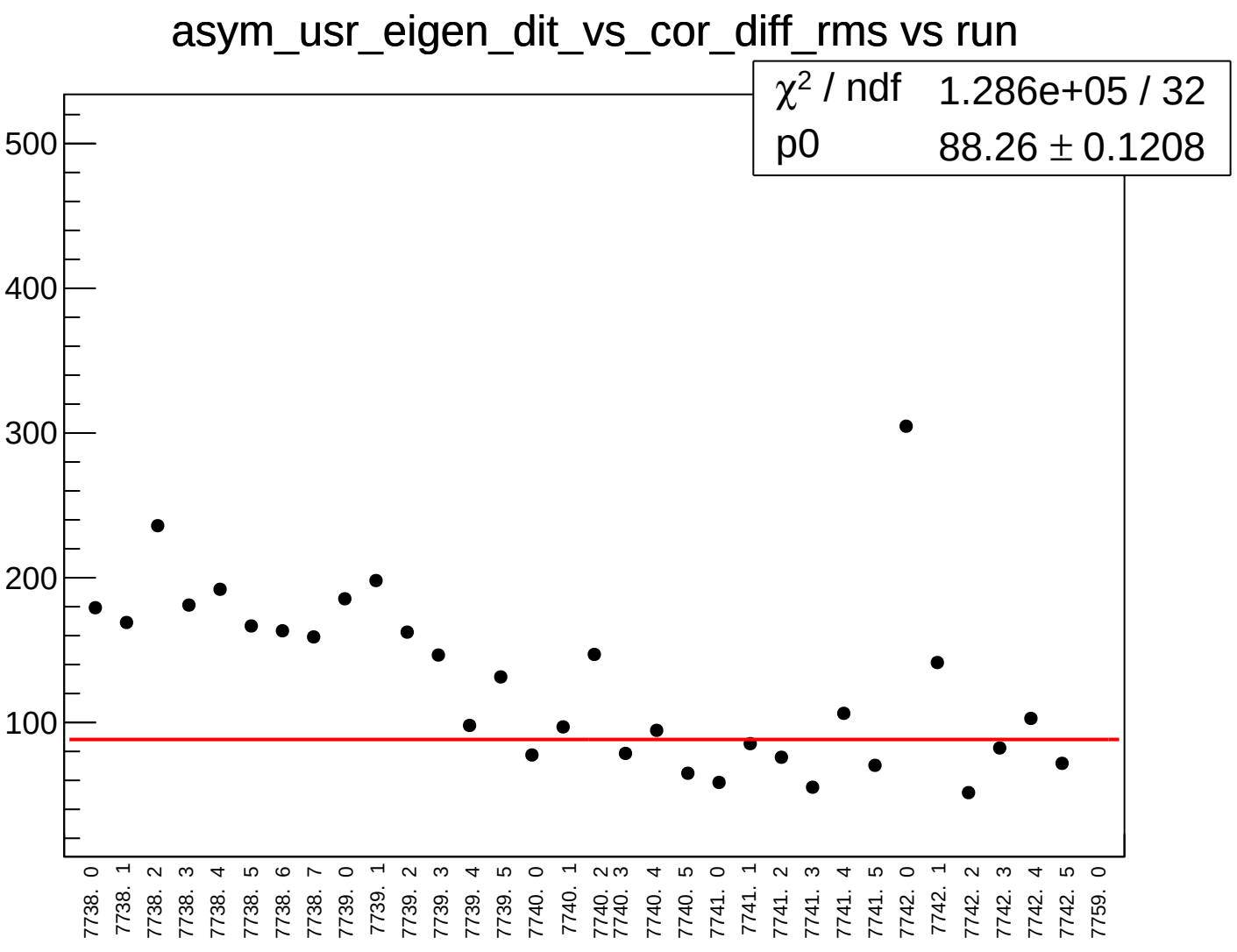

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.042e+05 / 32
p0 103.8 ± 0.1389
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

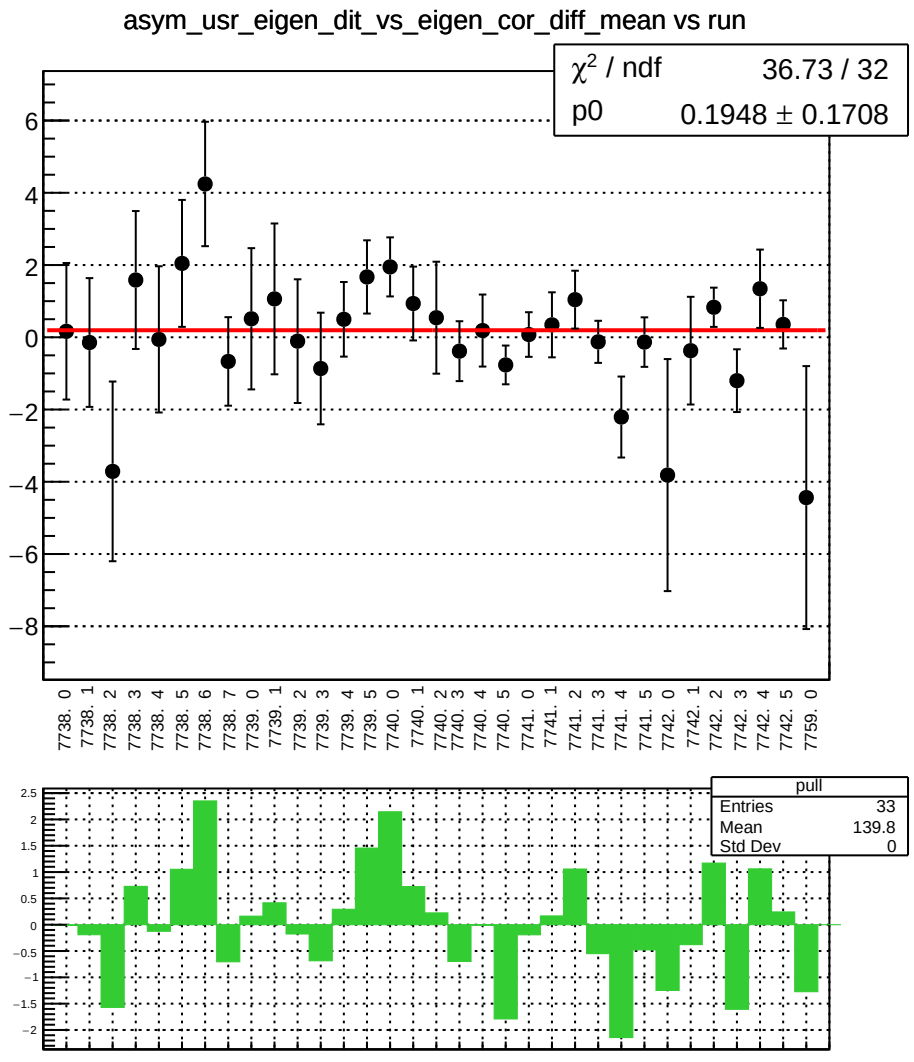

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 26.04 / 32
p0 1.768e−06 ± 5.821e−06
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.1
Std Dev 9.98
pull1D
Entries 33
Mean −0.02493
Std Dev 0.888

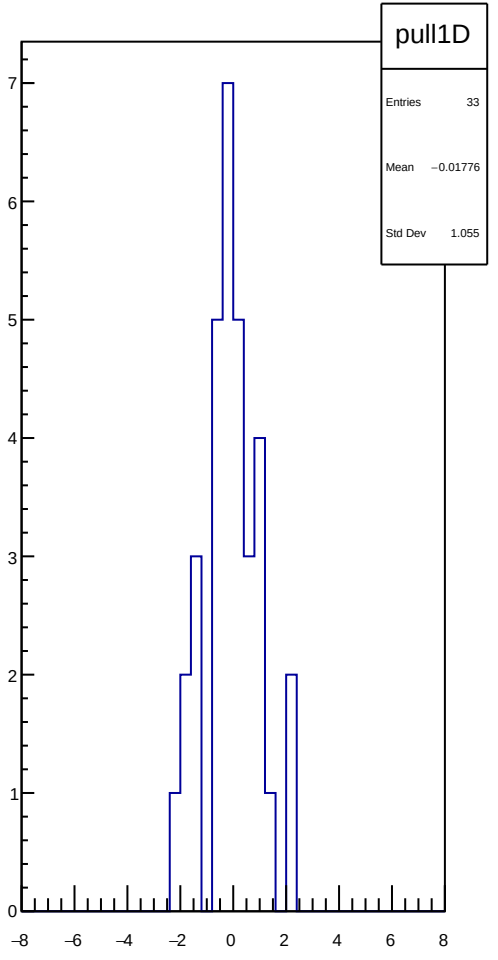

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5935 / 32
p0 0.003336 ± 4.116e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

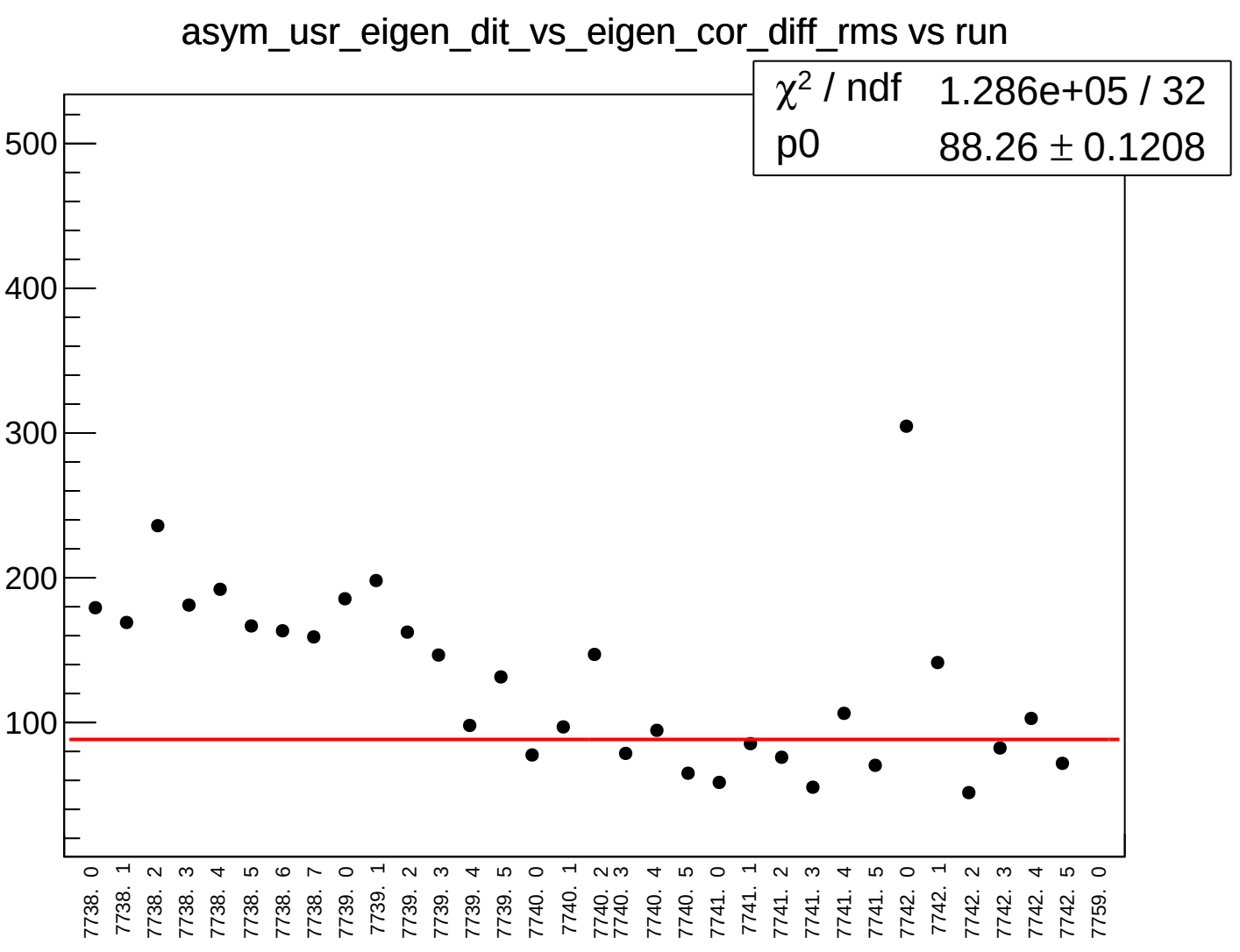

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.73 / 32
p0 0.1948 ± 0.1708
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 139.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

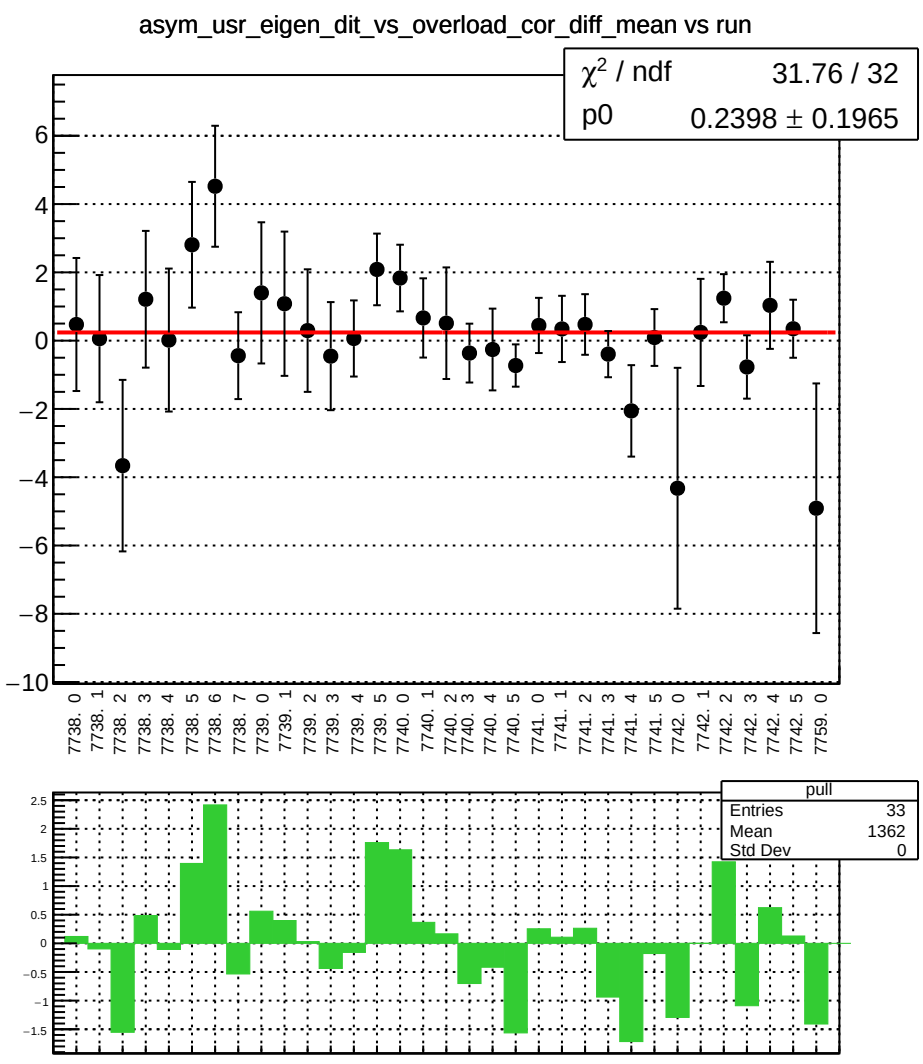

pull1D
Entries 33
Mean −0.01776
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

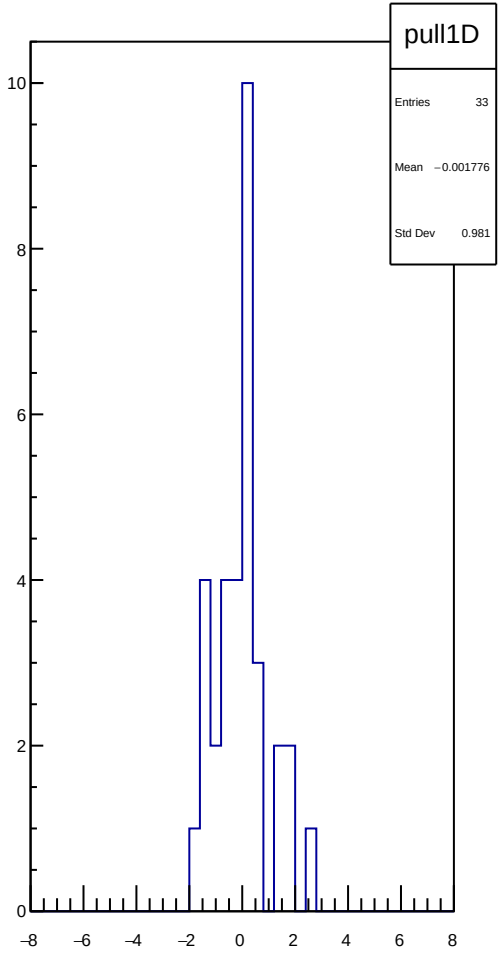

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 32
p0 88.26 ± 0.1208
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

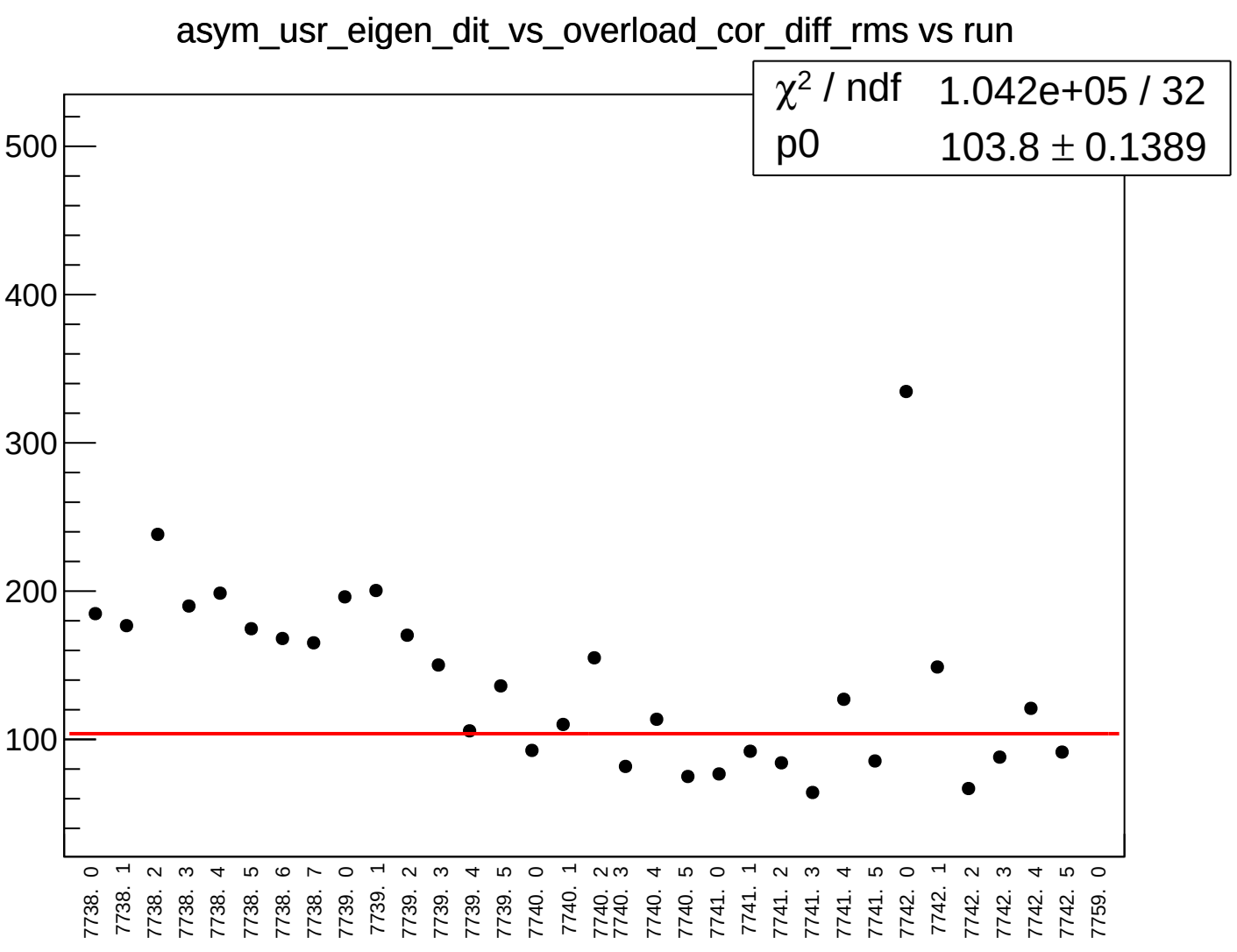

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.73 / 32
p0 0.1948 ± 0.1708
pull
Entries 33
Mean 139.8
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

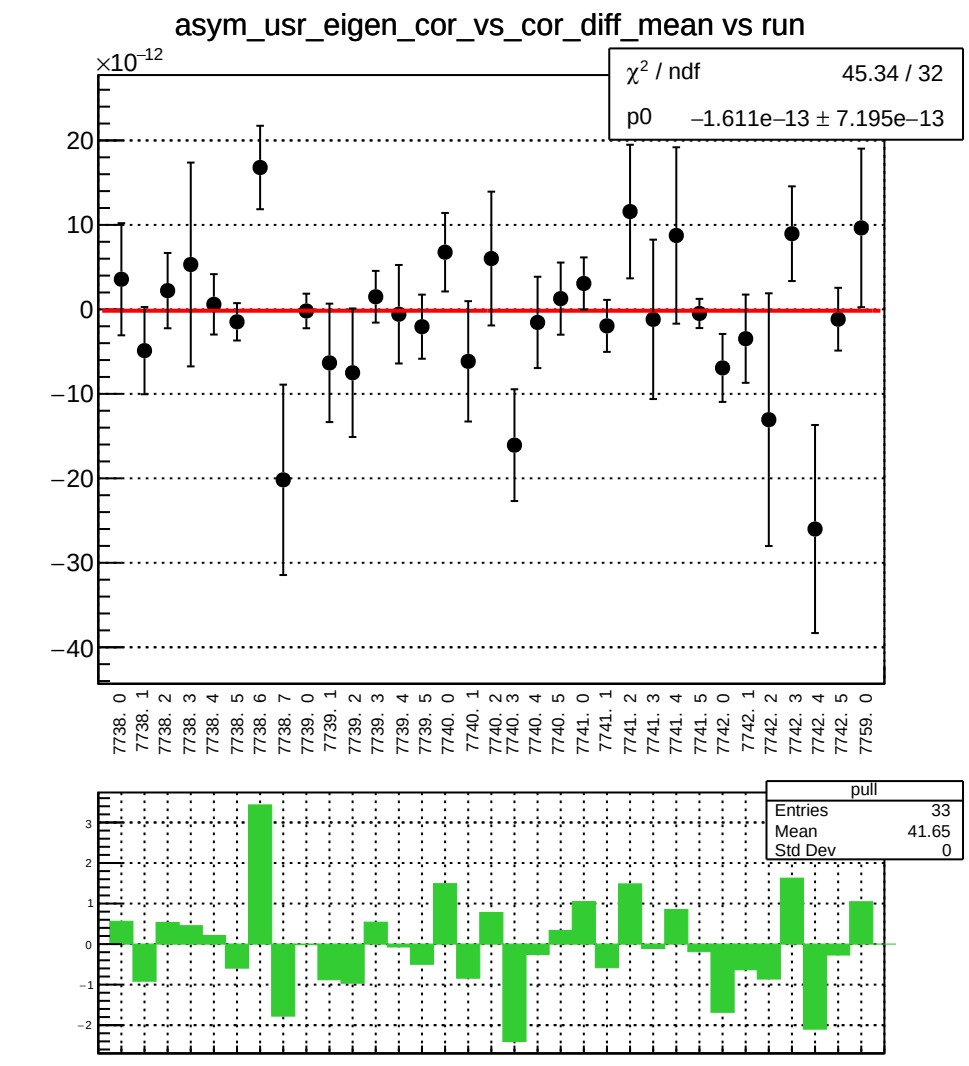

pull1D
Entries 33
Mean −0.01776
Std Dev 1.055

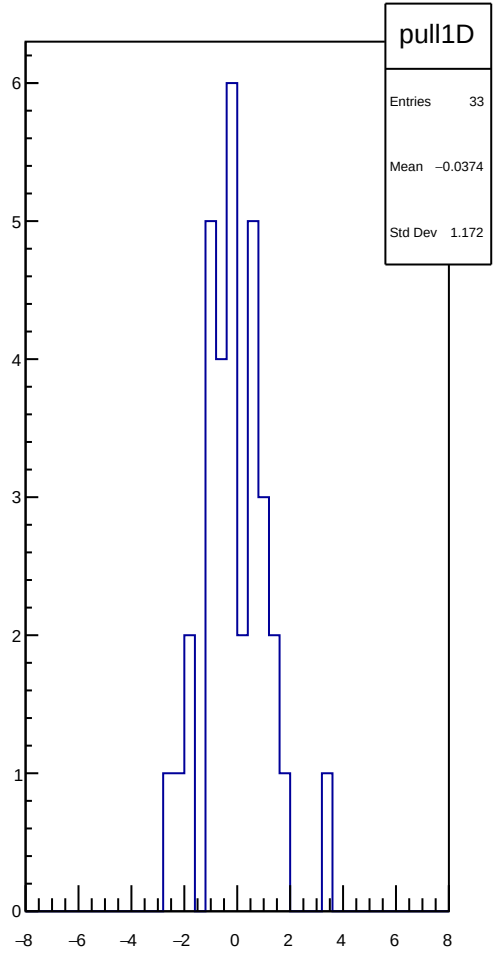

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 32
p0 88.26 ± 0.1208
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

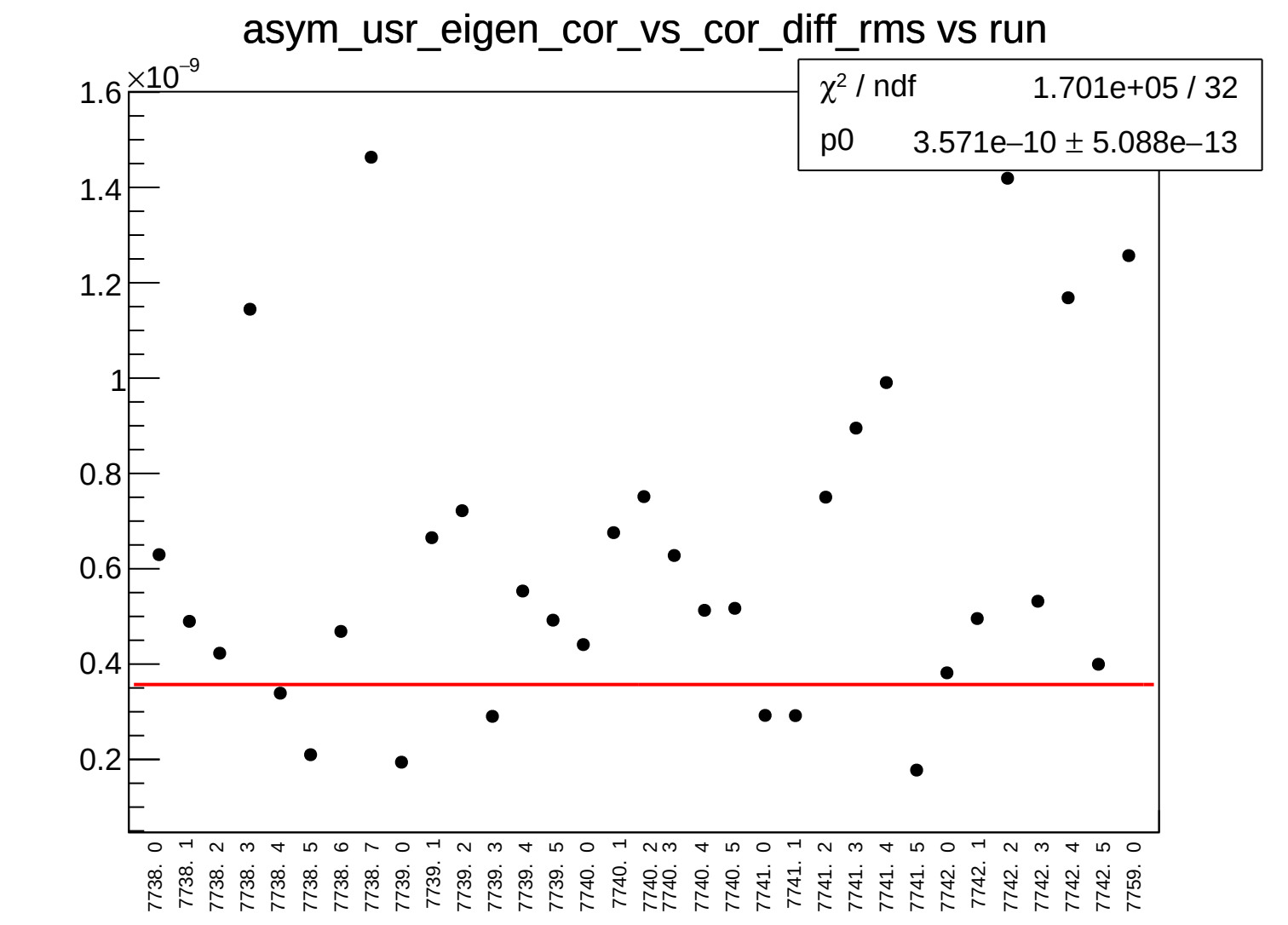

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 31.76 / 32
p0 0.2398 ± 0.1965
pull
Entries 33
Mean 1362
Std Dev 0

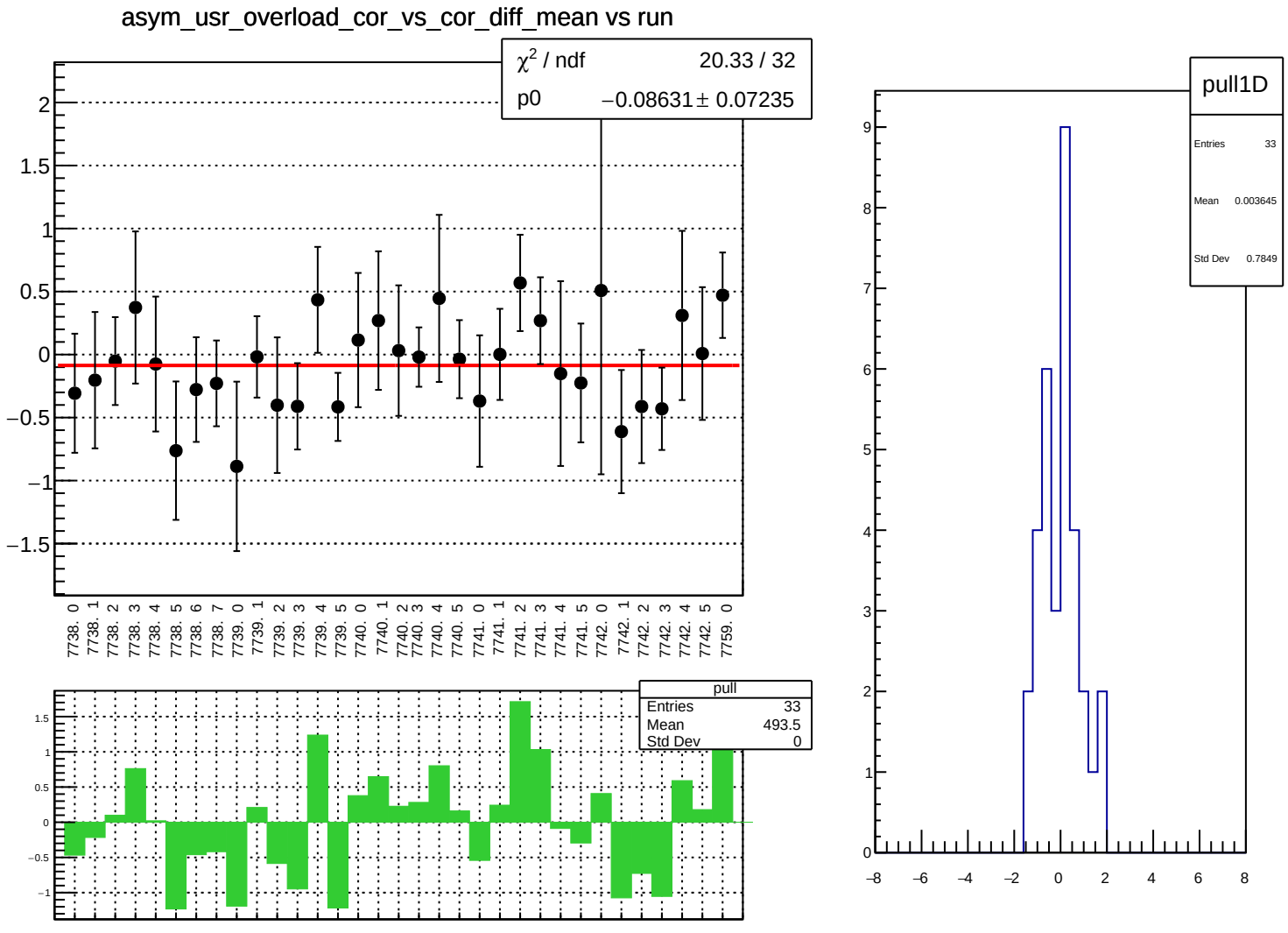

pull1D
Entries 33
Mean −0.001776
Std Dev 0.981

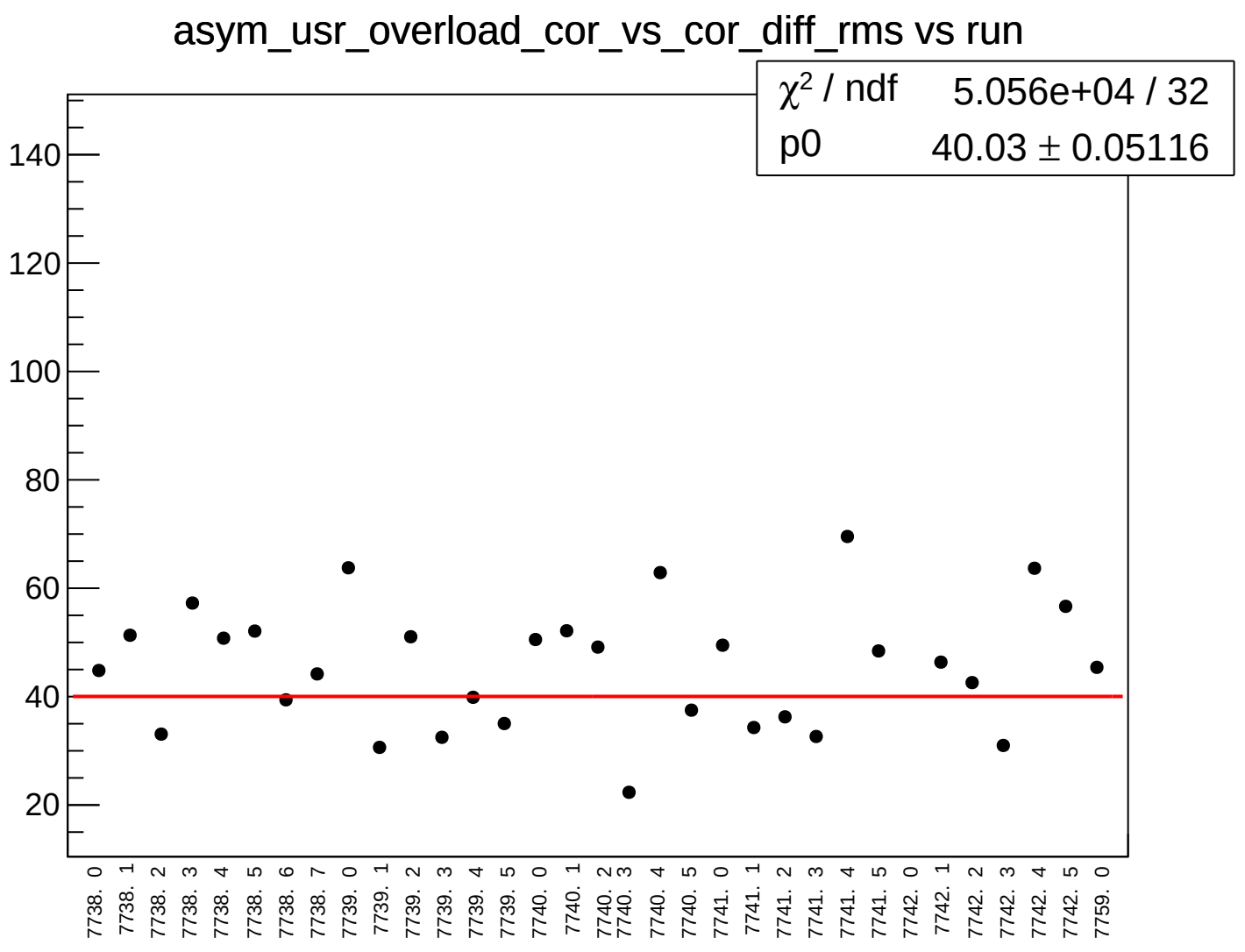

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.042e+05 / 32
p0 103.8 ± 0.1389
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

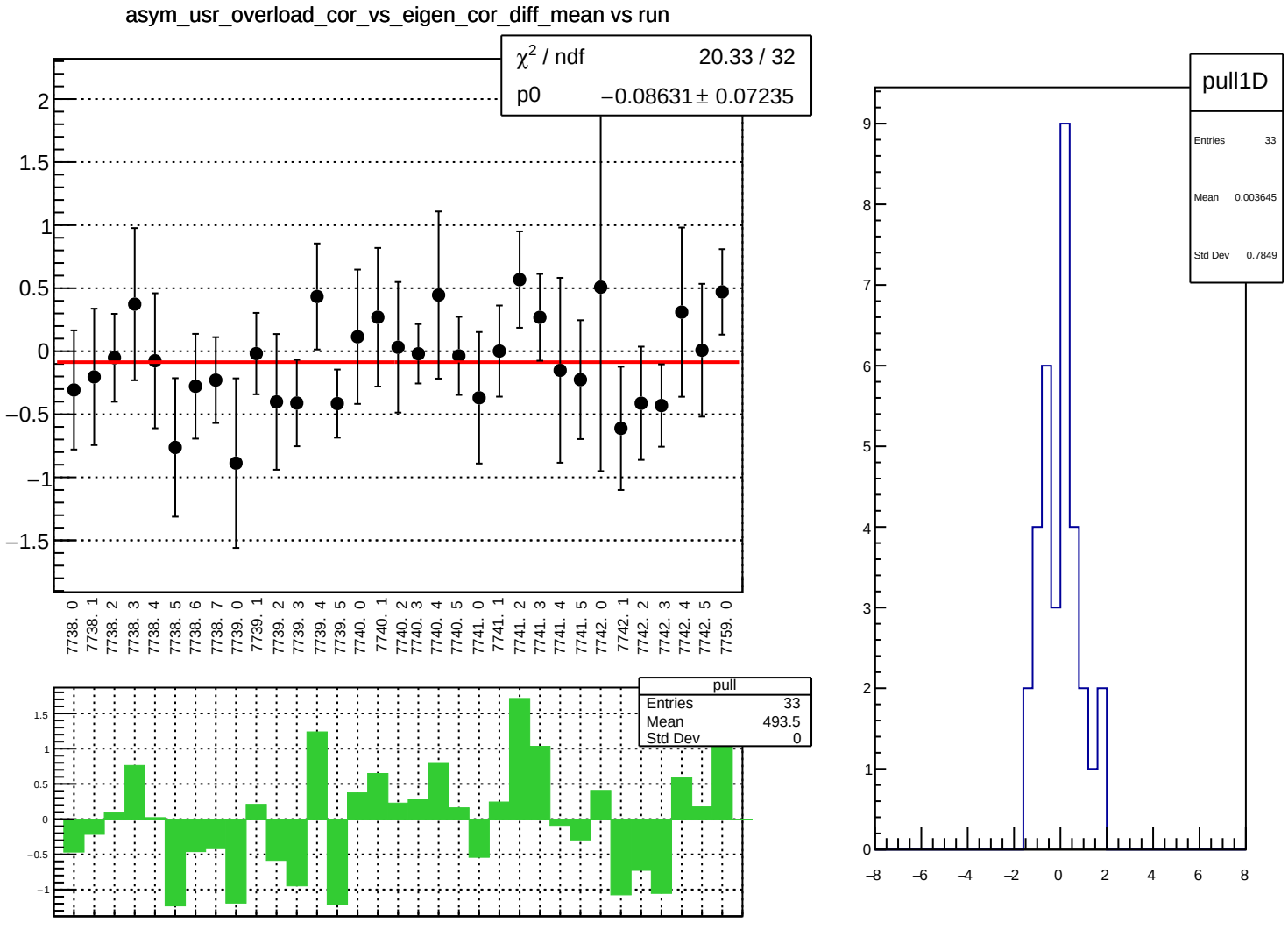

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.34 / 32
p0 −1.611e−13 ± 7.195e−13
20
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 41.65
Std Dev 0
3
2
1
0
−1
−2

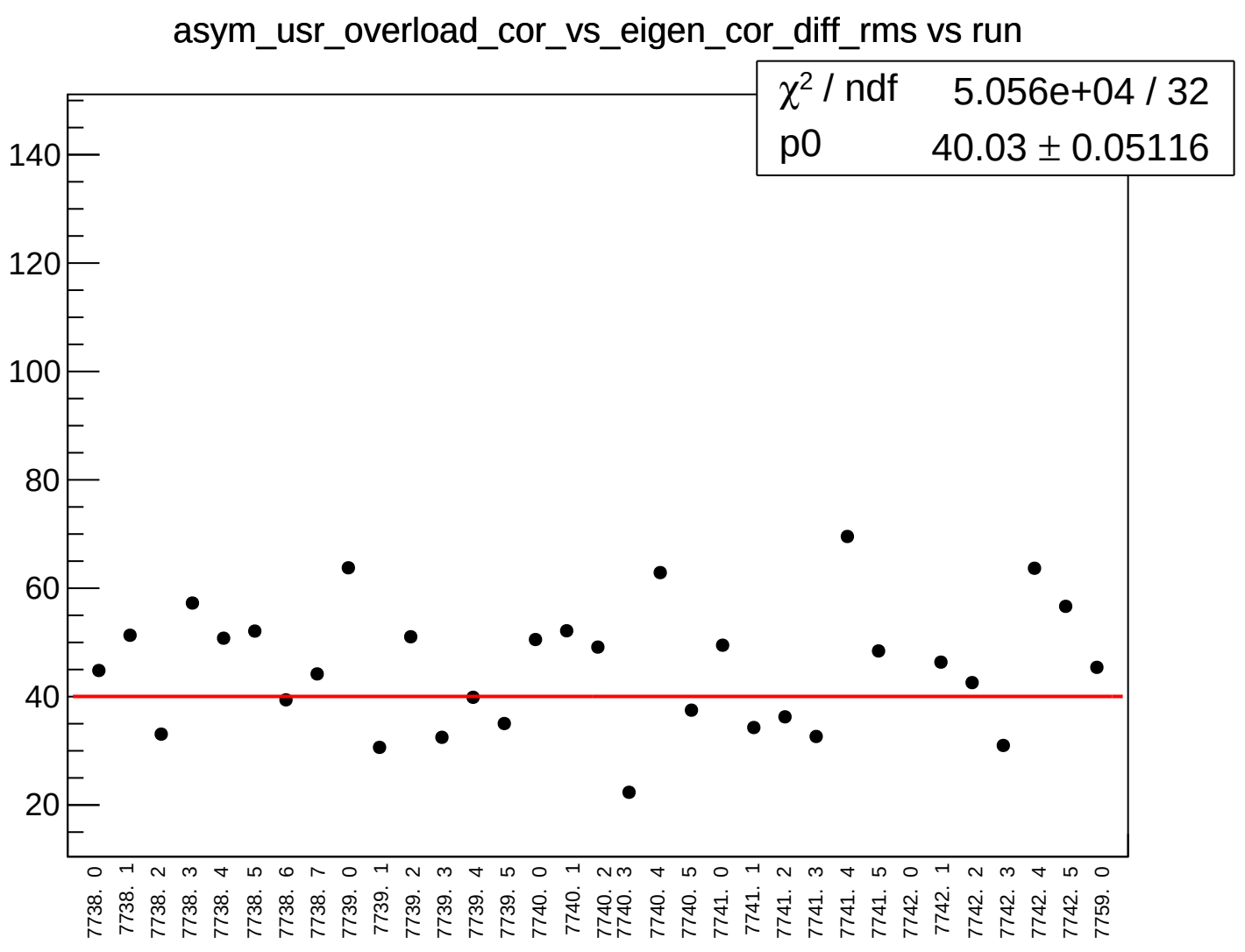

pull1D
Entries 33
Mean −0.0374
Std Dev 1.172
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

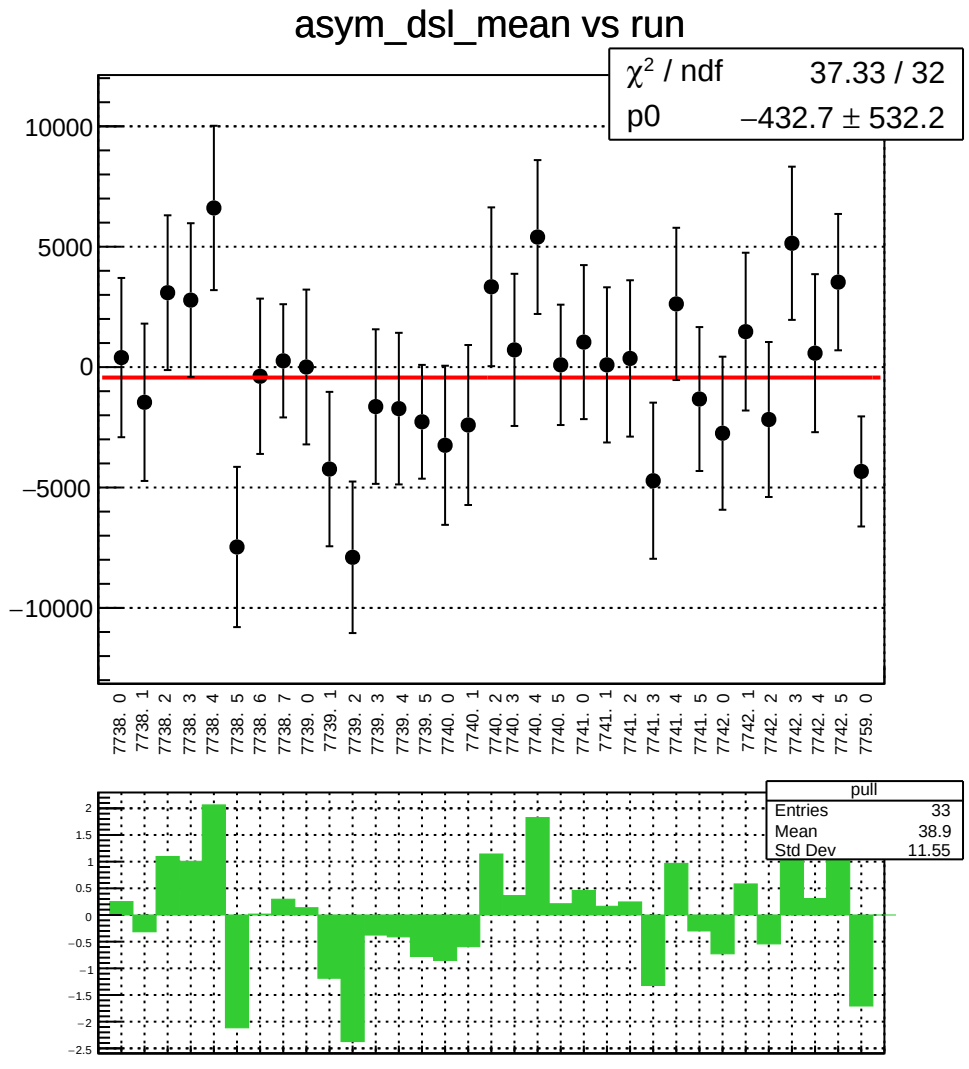

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.701e+05 / 32
p0 3.571e−10 ± 5.088e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

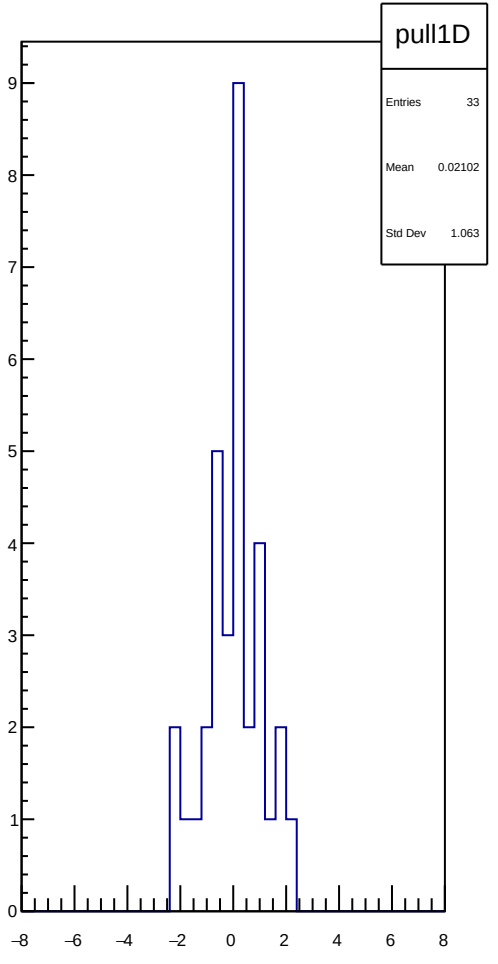

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 20.33 / 32
p0 −0.08631 ± 0.07235
pull
Entries 33
Mean 493.5
Std Dev 0
pull1D
Entries 33
Mean 0.003645
Std Dev 0.7849

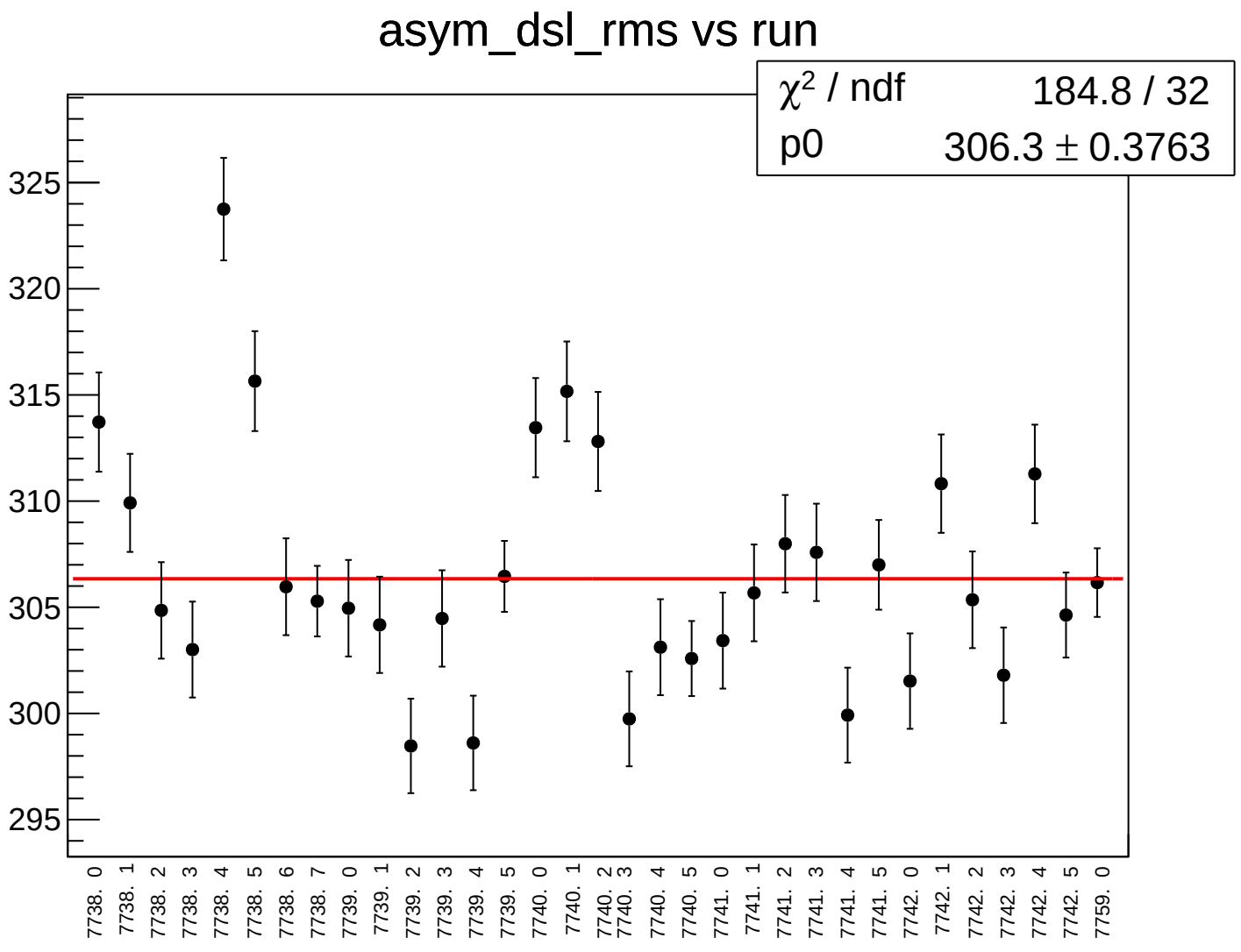

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.056e+04 / 32
p0 40.03 ± 0.05116
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

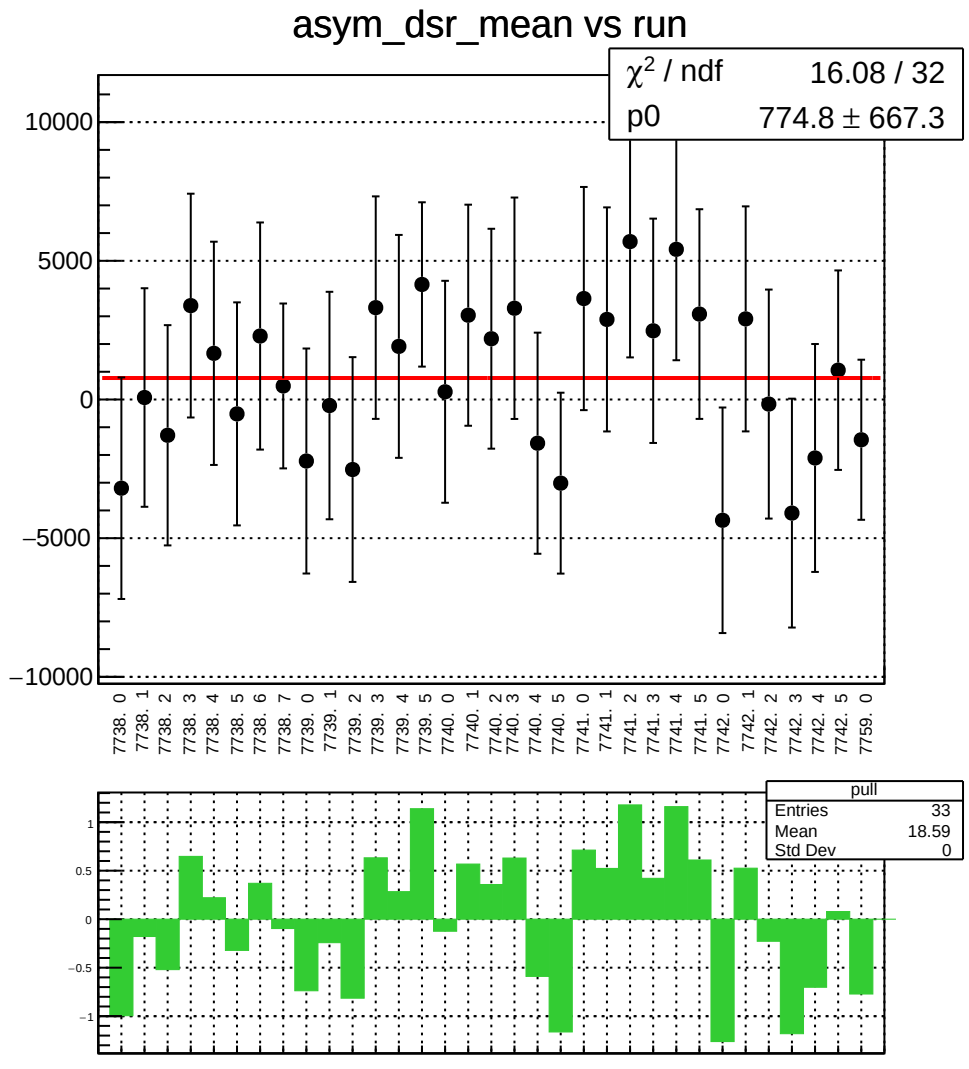

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.33 / 32
p0 −0.08631 ± 0.07235
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 493.5
Std Dev 0
pull1D
Entries 33
Mean 0.003645
Std Dev 0.7849

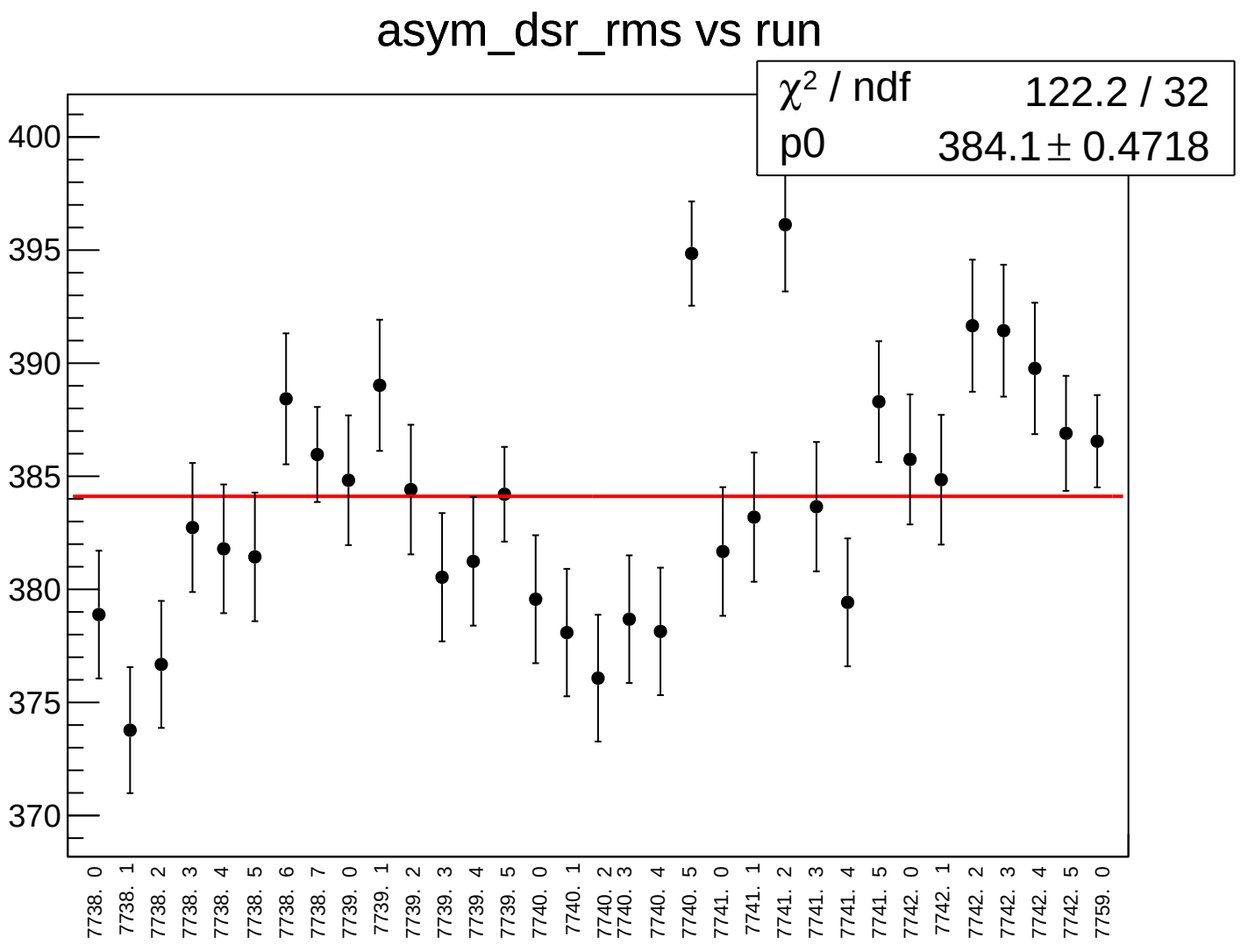

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.056e+04 / 32
p0 40.03 ± 0.05116
140
120
100
80
60
40
20
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

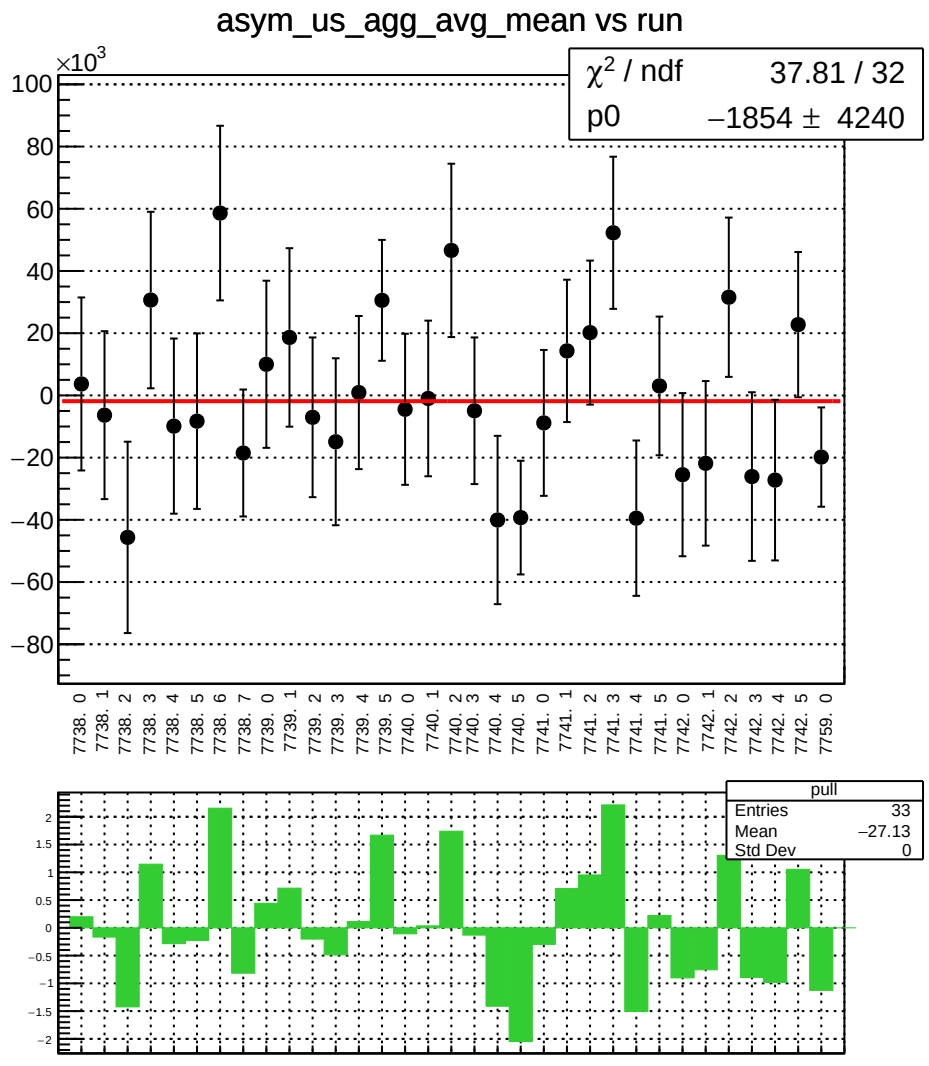

asym_dsl_mean vs run
χ² / ndf 37.33 / 32
p0 −432.7 ± 532.2
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.9
Std Dev 11.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

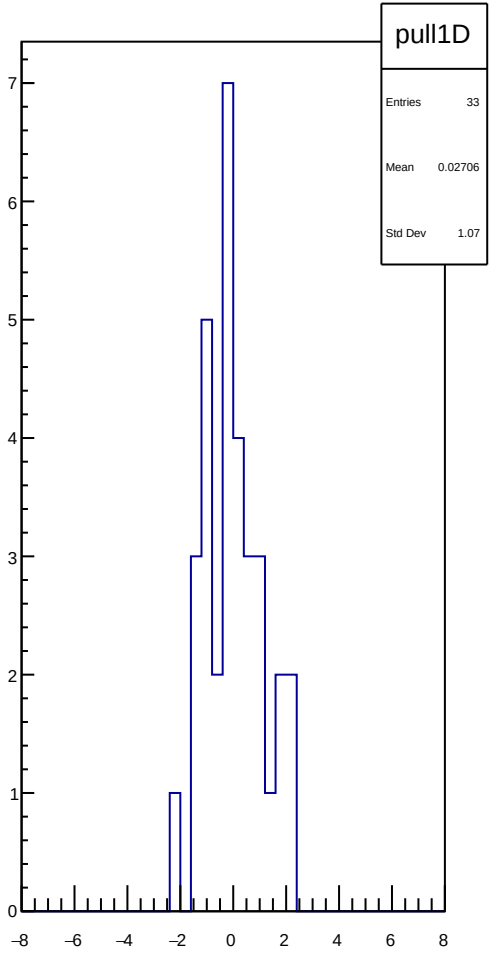

pull1D
Entries 33
Mean 0.02102
Std Dev 1.063
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

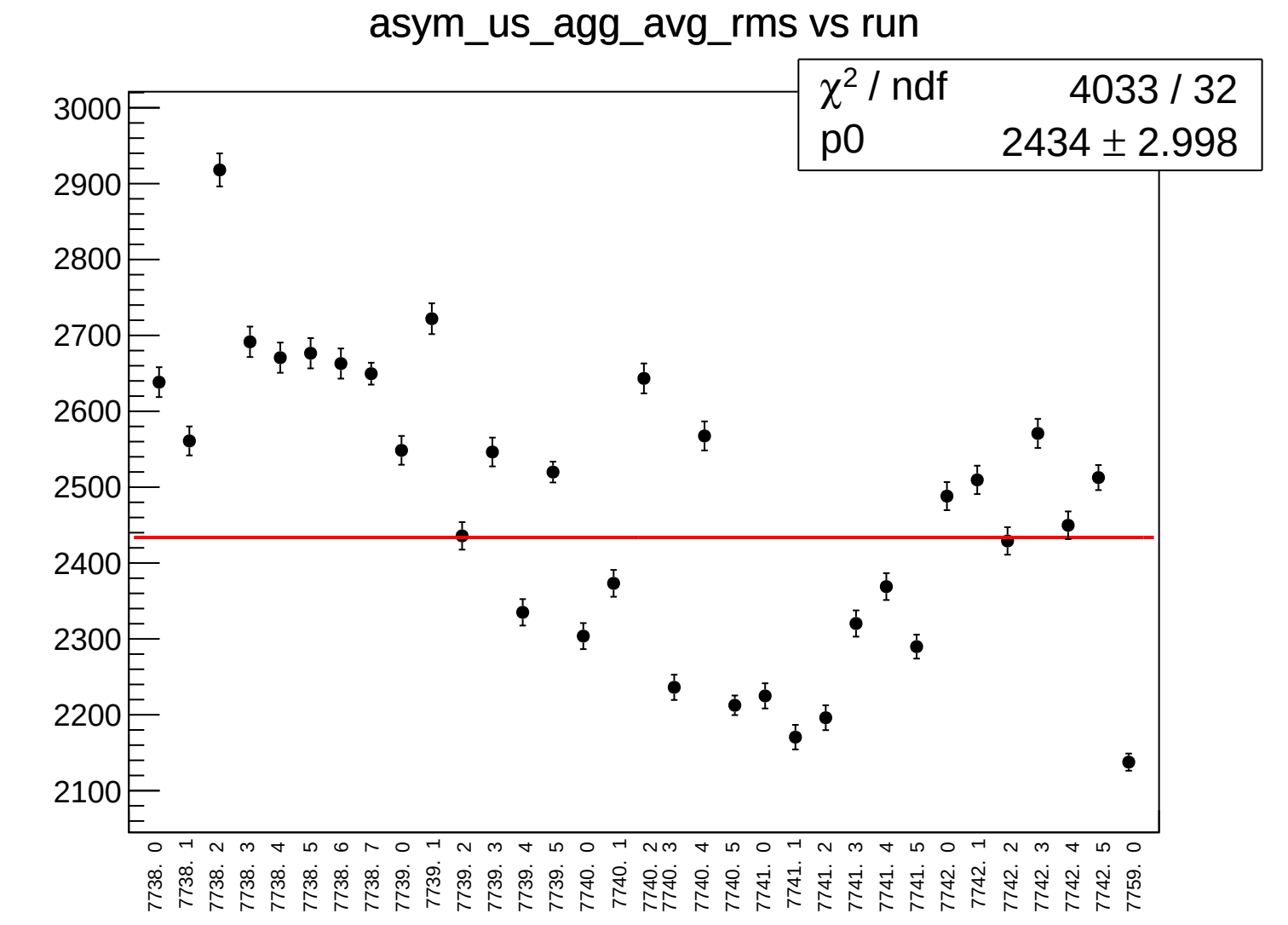

asym_dsl_rms vs run
χ² / ndf 184.8 / 32
p0 306.3 ± 0.3763
325
320
315
310
305
300
295
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

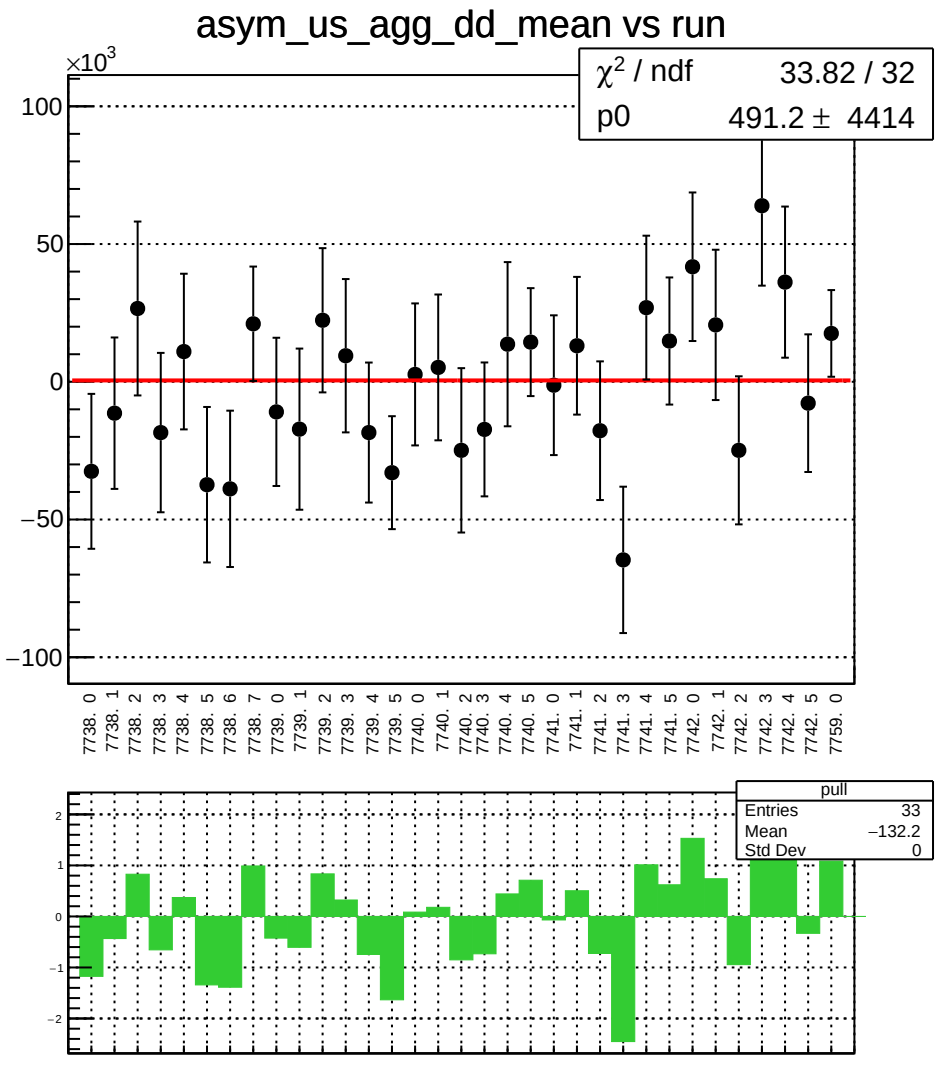

asym_dsr_mean vs run
χ² / ndf 16.08 / 32
p0 774.8 ± 667.3
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.59
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.004029
Std Dev 0.6981
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

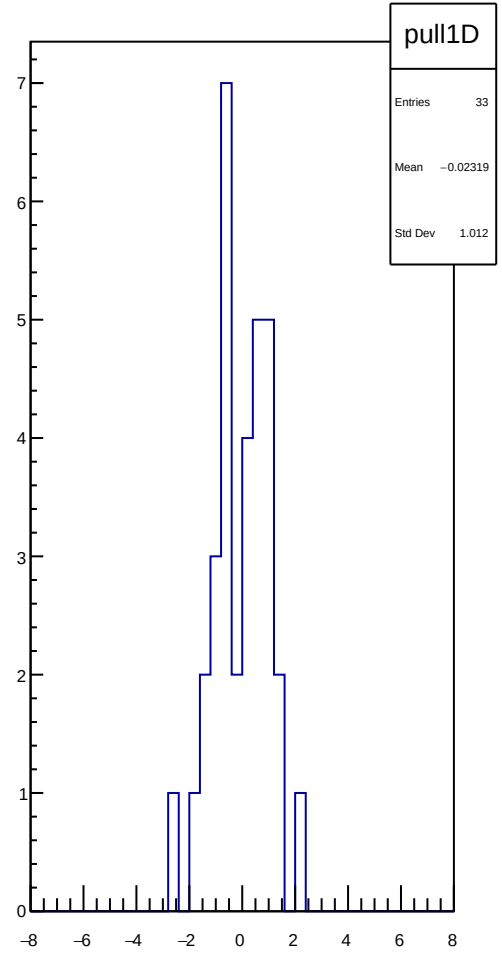

asym_dsr_rms vs run
χ² / ndf 122.2 / 32
p0 384.1 ± 0.4718
400
395
390
385
380
375
370
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

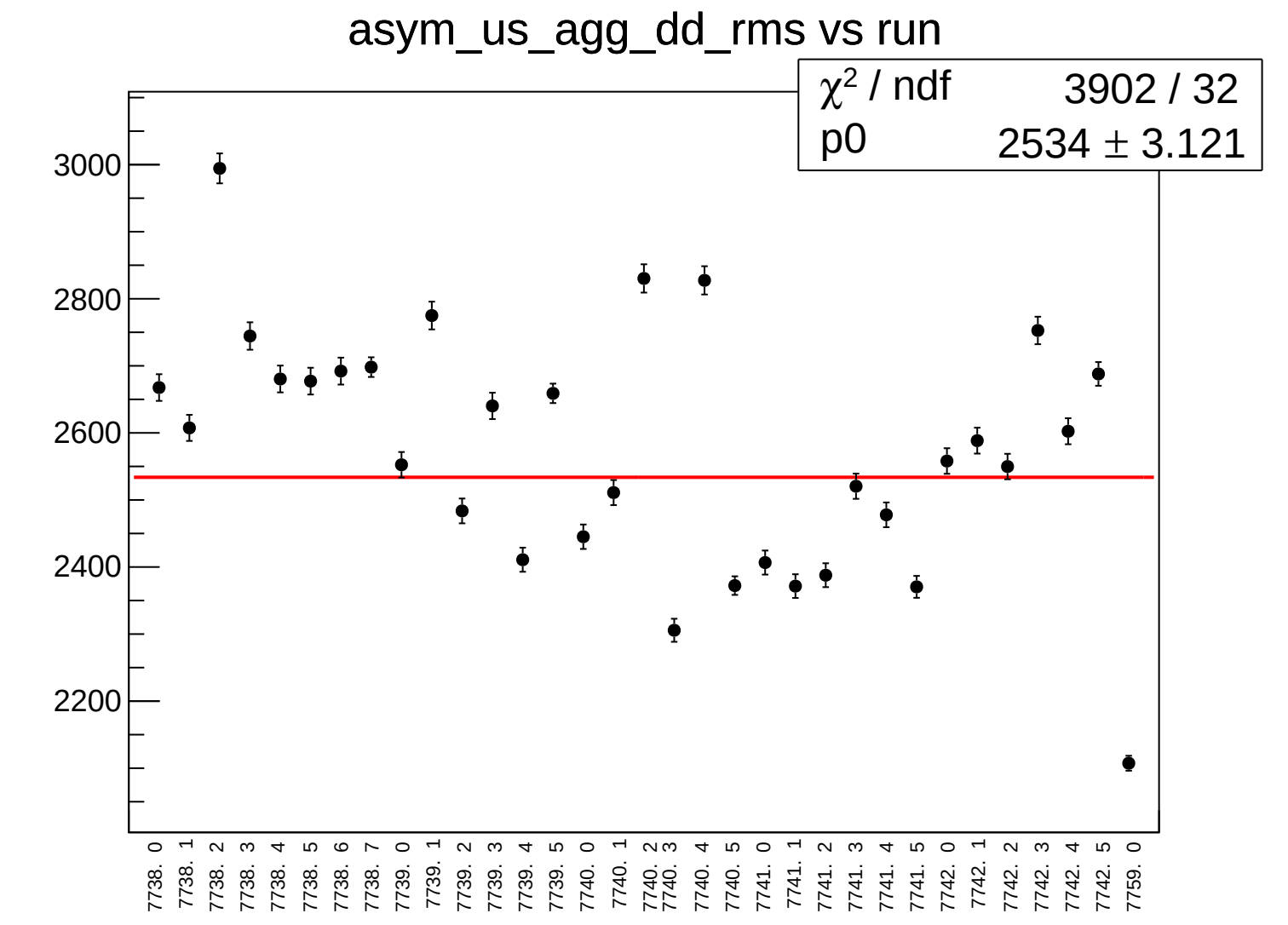

asym_us_agg_avg_mean vs run
×10^3
χ² / ndf 37.81 / 32
p0 −1854 ± 4240
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

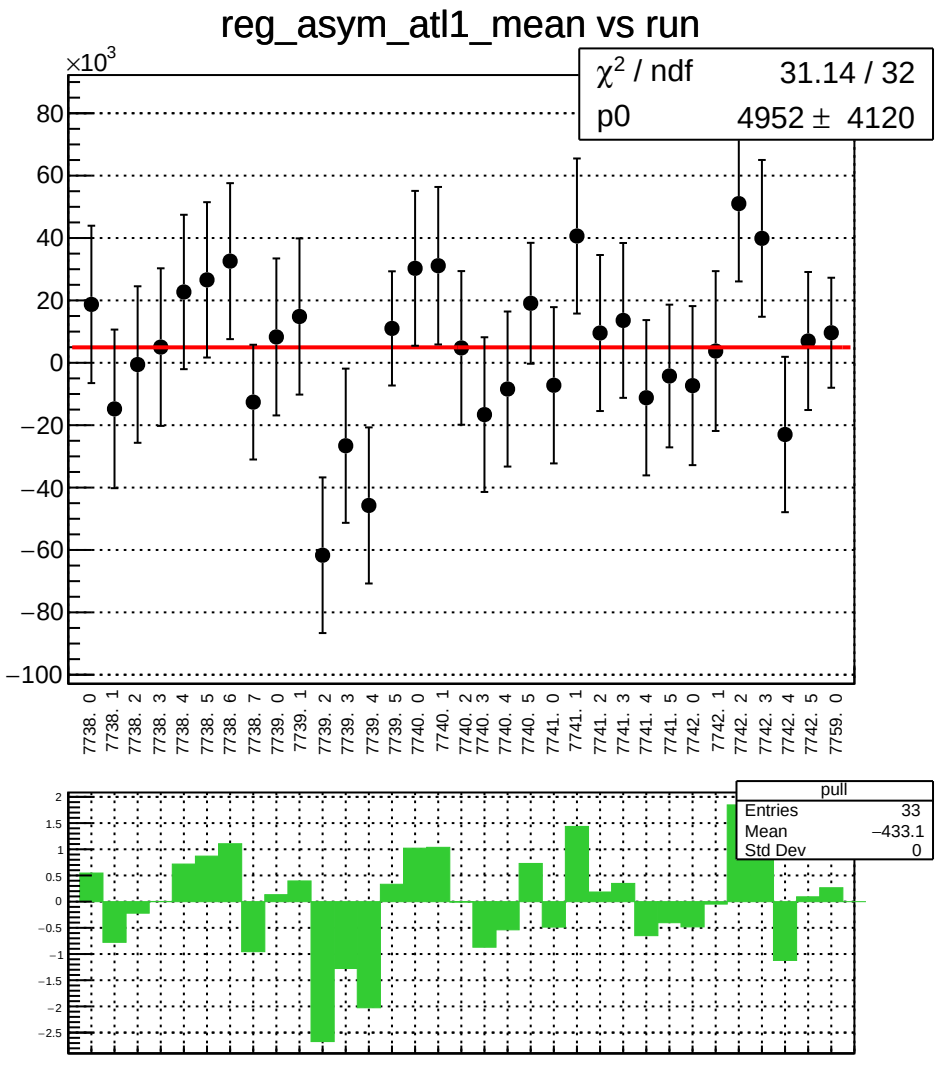

pull1D
Entries 33
Mean 0.02706
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

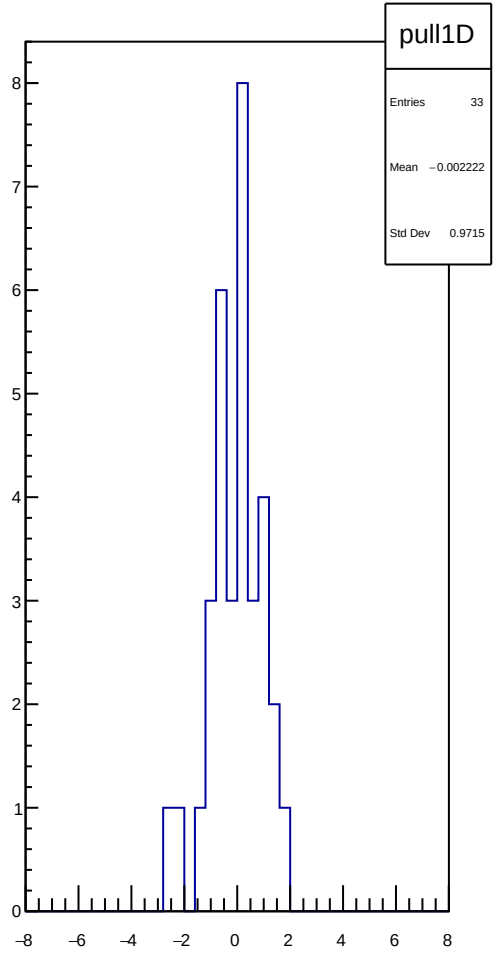

asym_us_agg_avg_rms vs run
χ² / ndf 4033 / 32
p0 2434 ± 2.998
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

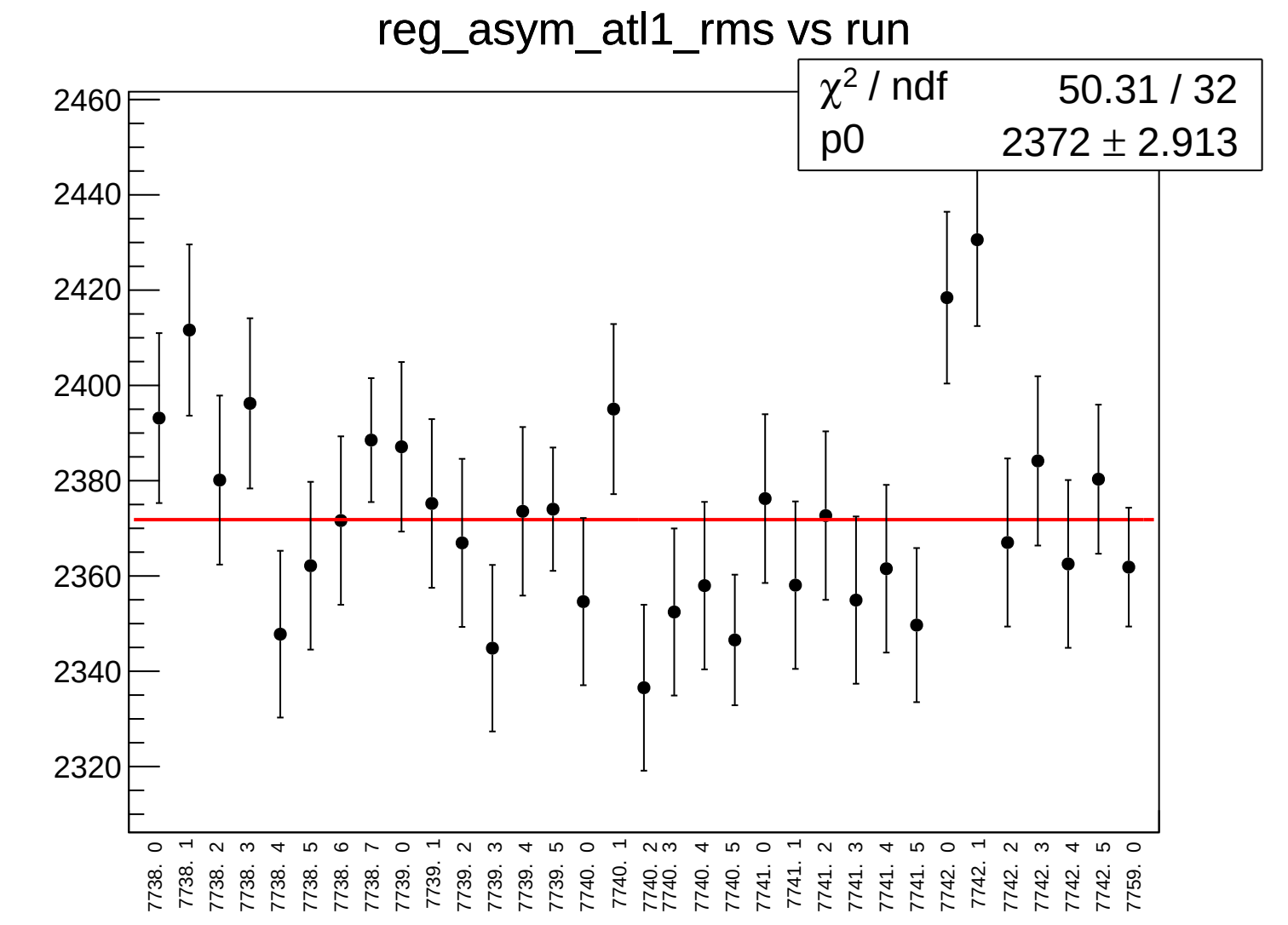

asym_us_agg_dd_mean vs run
×10^3
χ^2 / ndf 33.82 / 32
p0 491.2 ± 4414
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −132.2
Std Dev 0
2
1
0
−1
−2

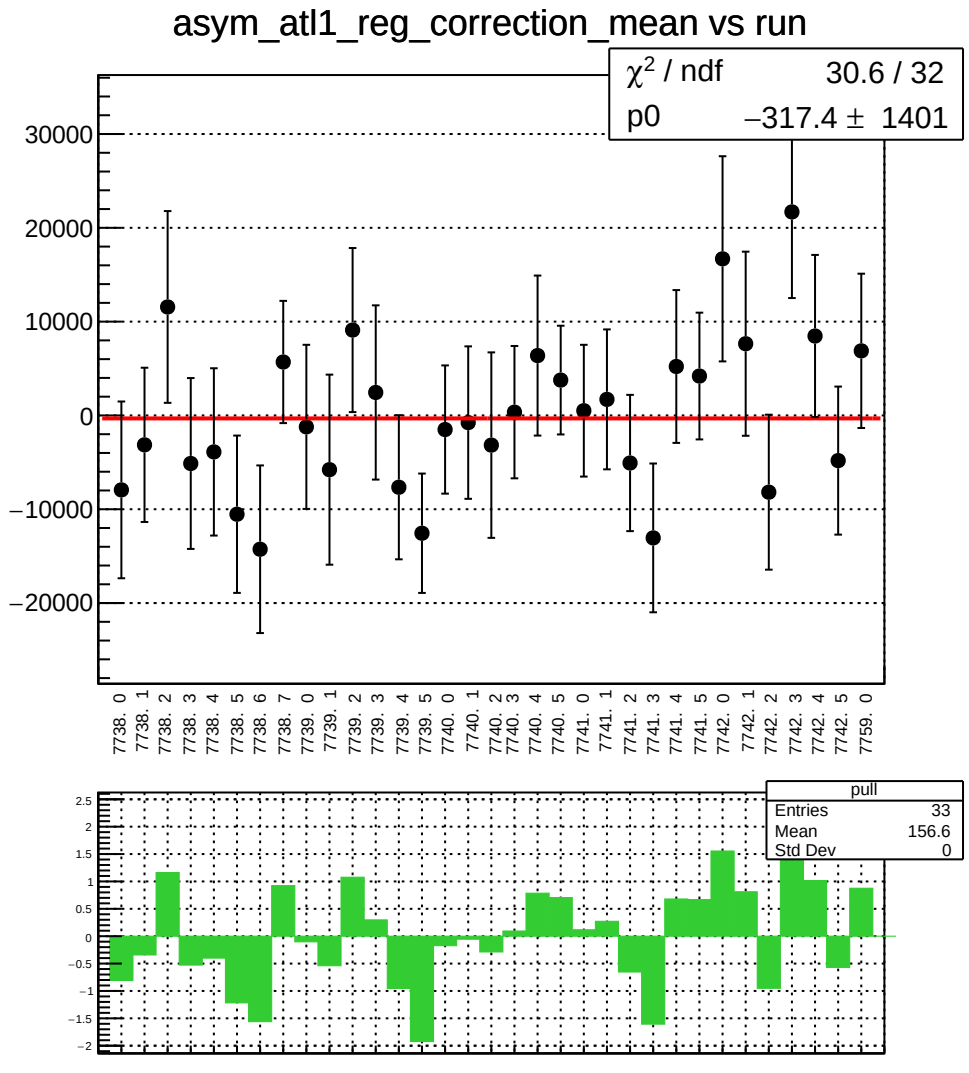

pull1D
Entries 33
Mean −0.02319
Std Dev 1.012
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

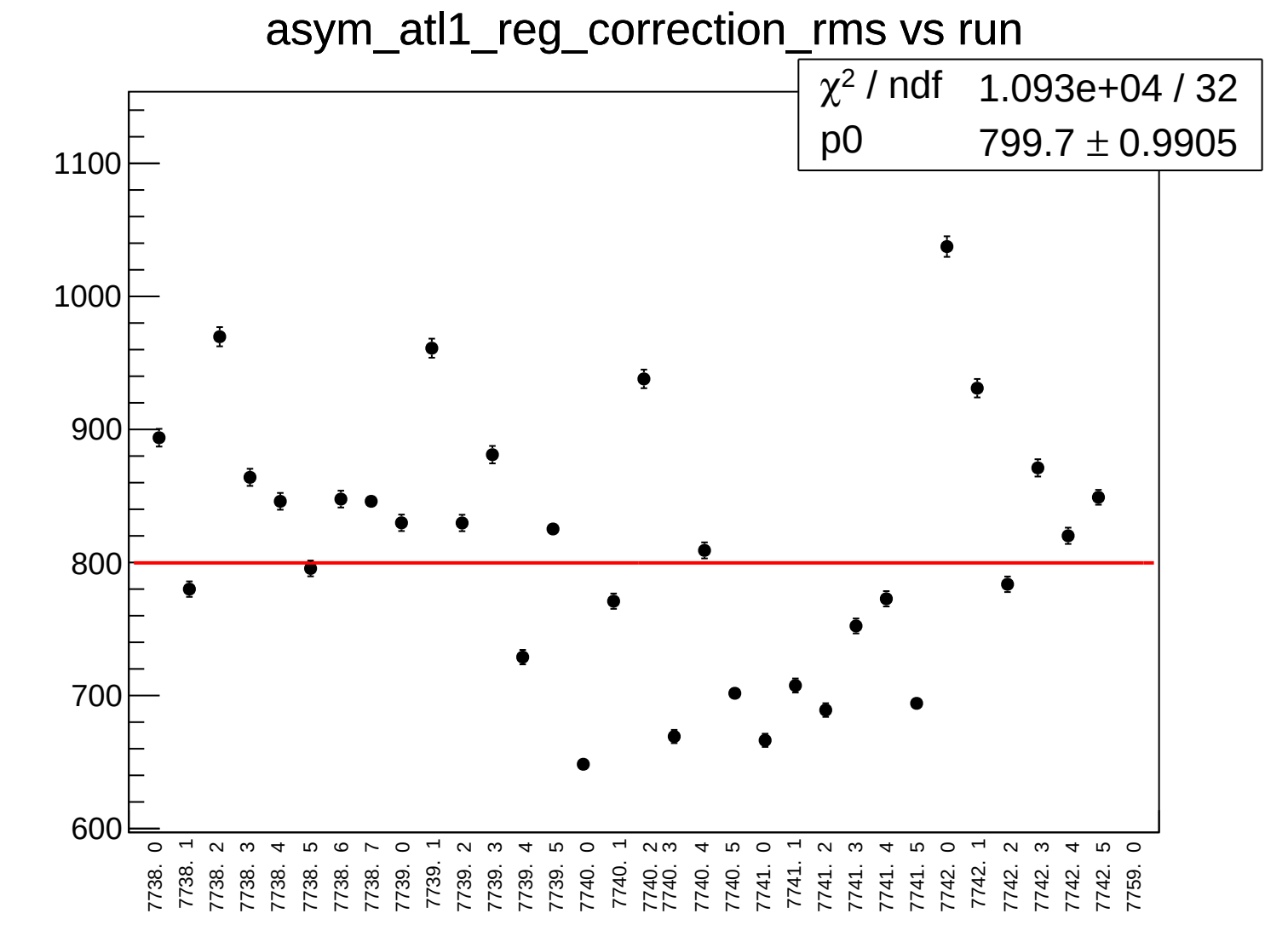

asym_us_agg_dd_rms vs run
χ² / ndf 3902 / 32
p0 2534 ± 3.121
3000
2800
2600
2400
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

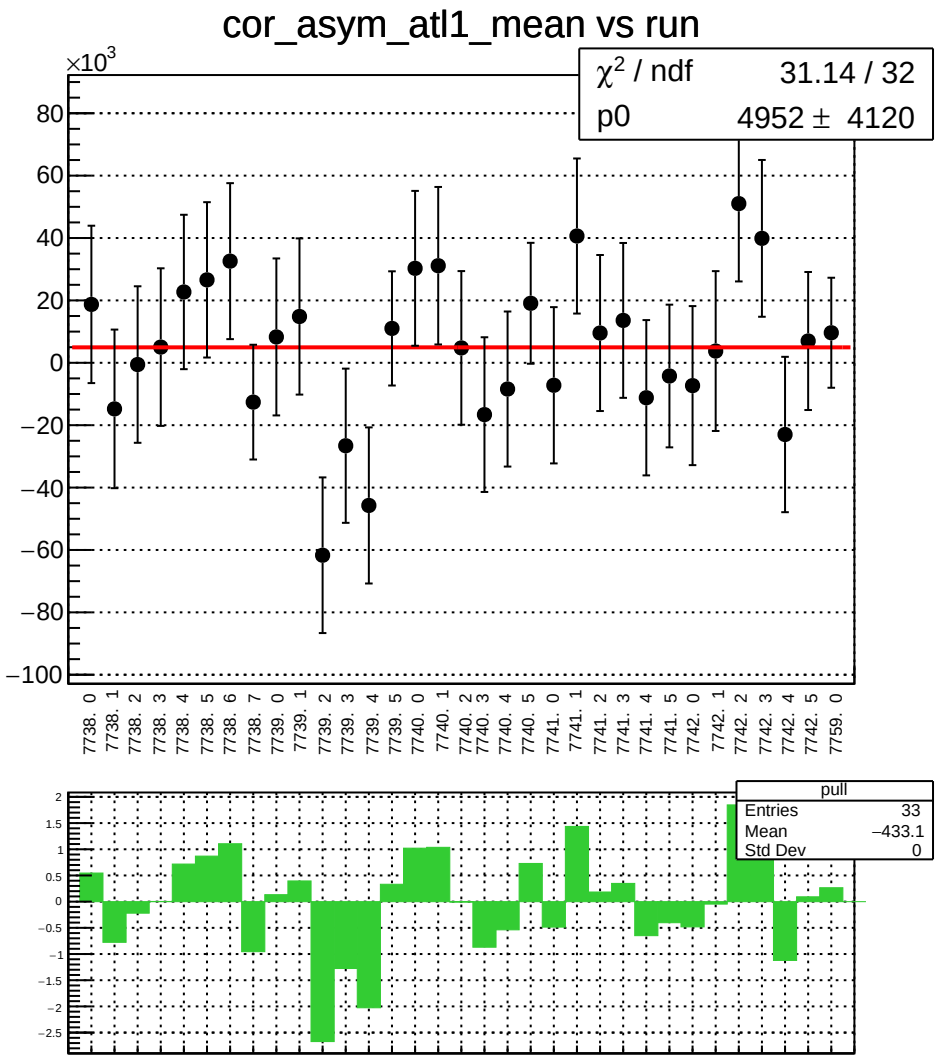

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 31.14 / 32
p0 4952 ± 4120
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −433.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

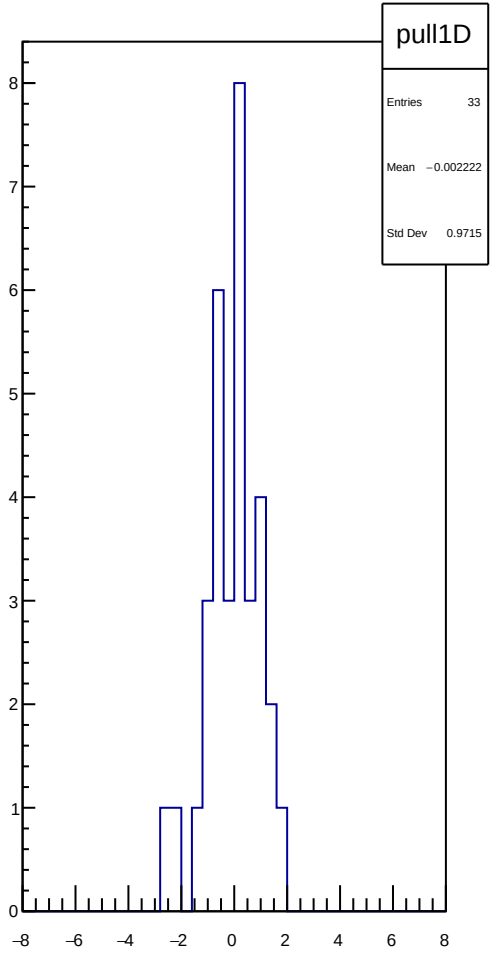

pull1D
Entries 33
Mean −0.002222
Std Dev 0.9715
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

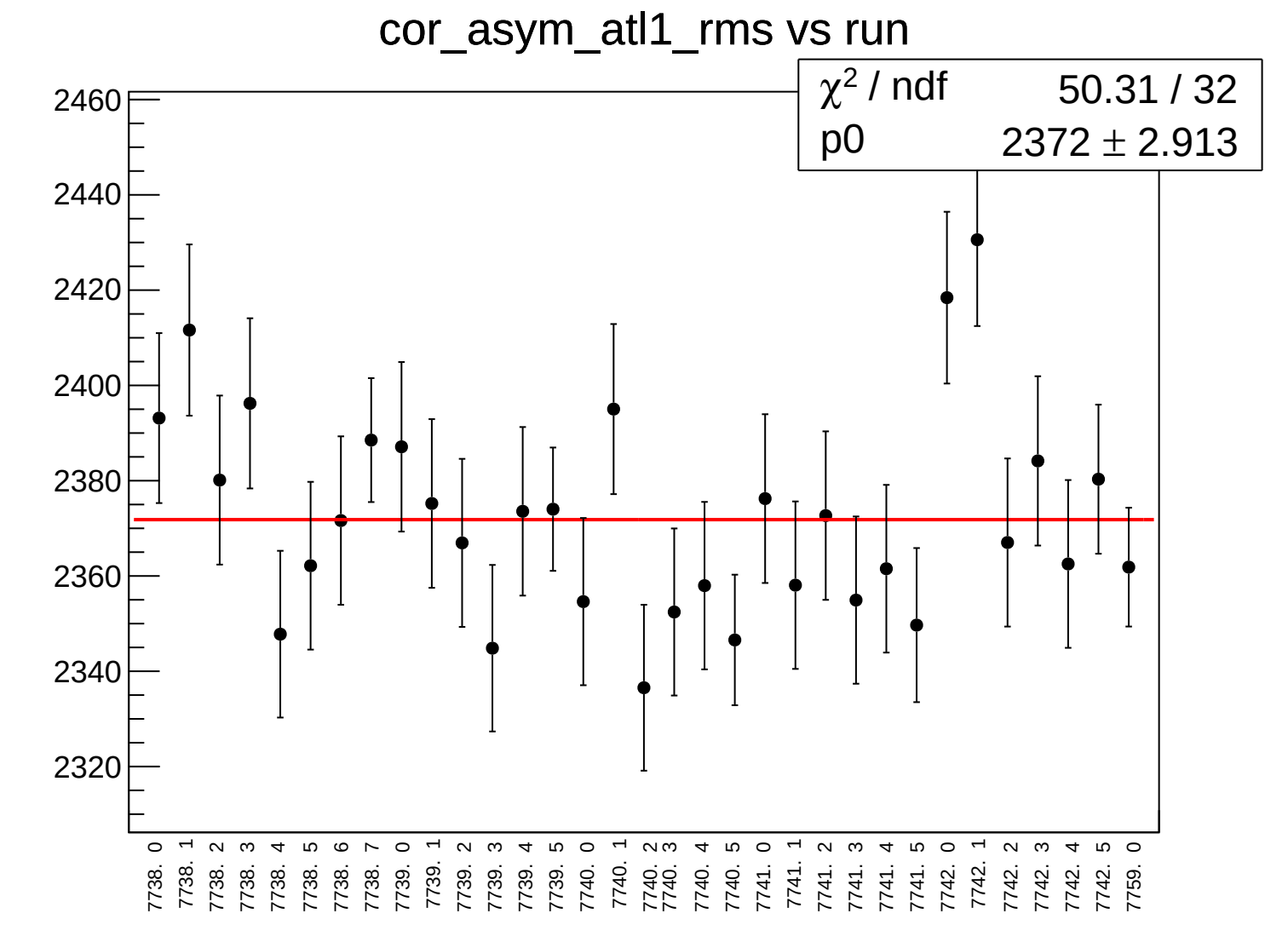

reg_asym_atl1_rms vs run
χ² / ndf 50.31 / 32
p0 2372 ± 2.913
2460
2440
2420
2400
2380
2360
2340
2320
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

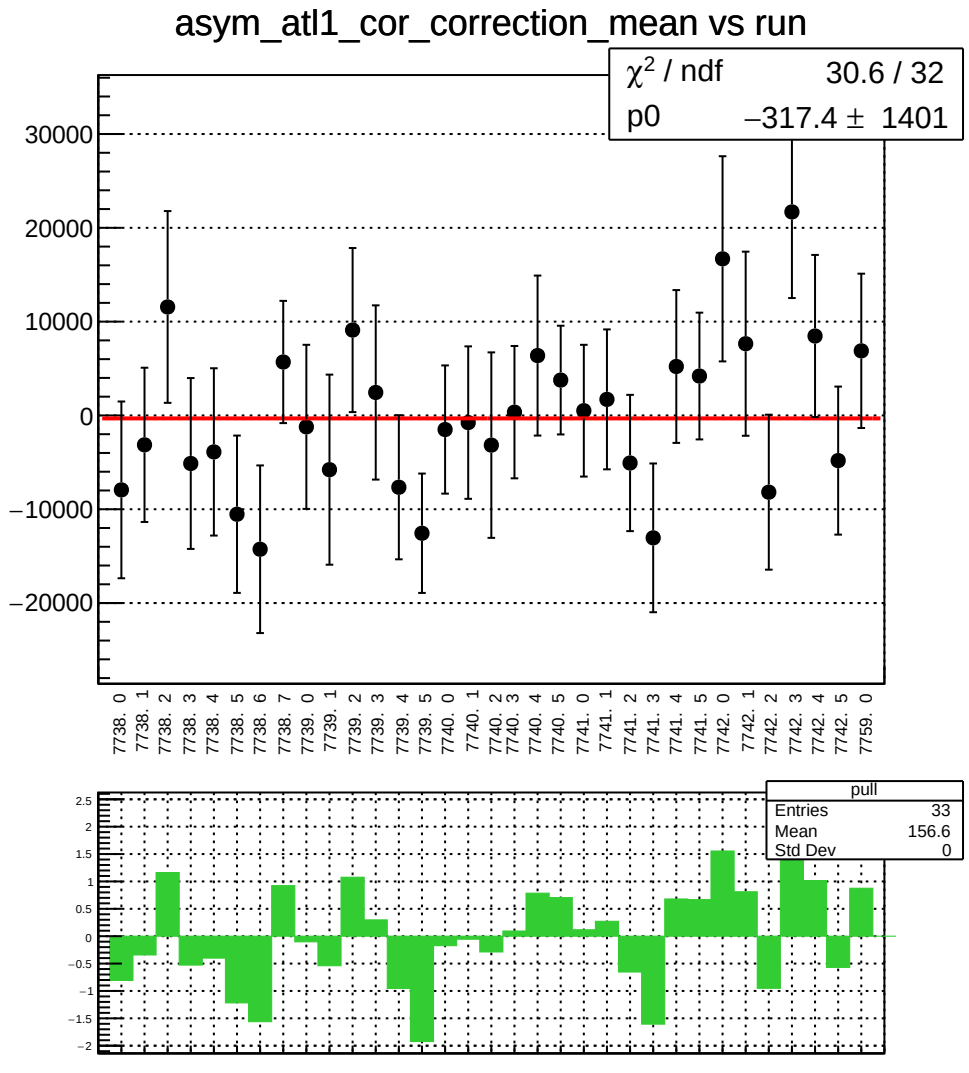

asym_atl1_reg_correction_mean vs run
χ² / ndf 30.6 / 32
p0 −317.4 ± 1401
30000
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 156.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02306
Std Dev 0.9627
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

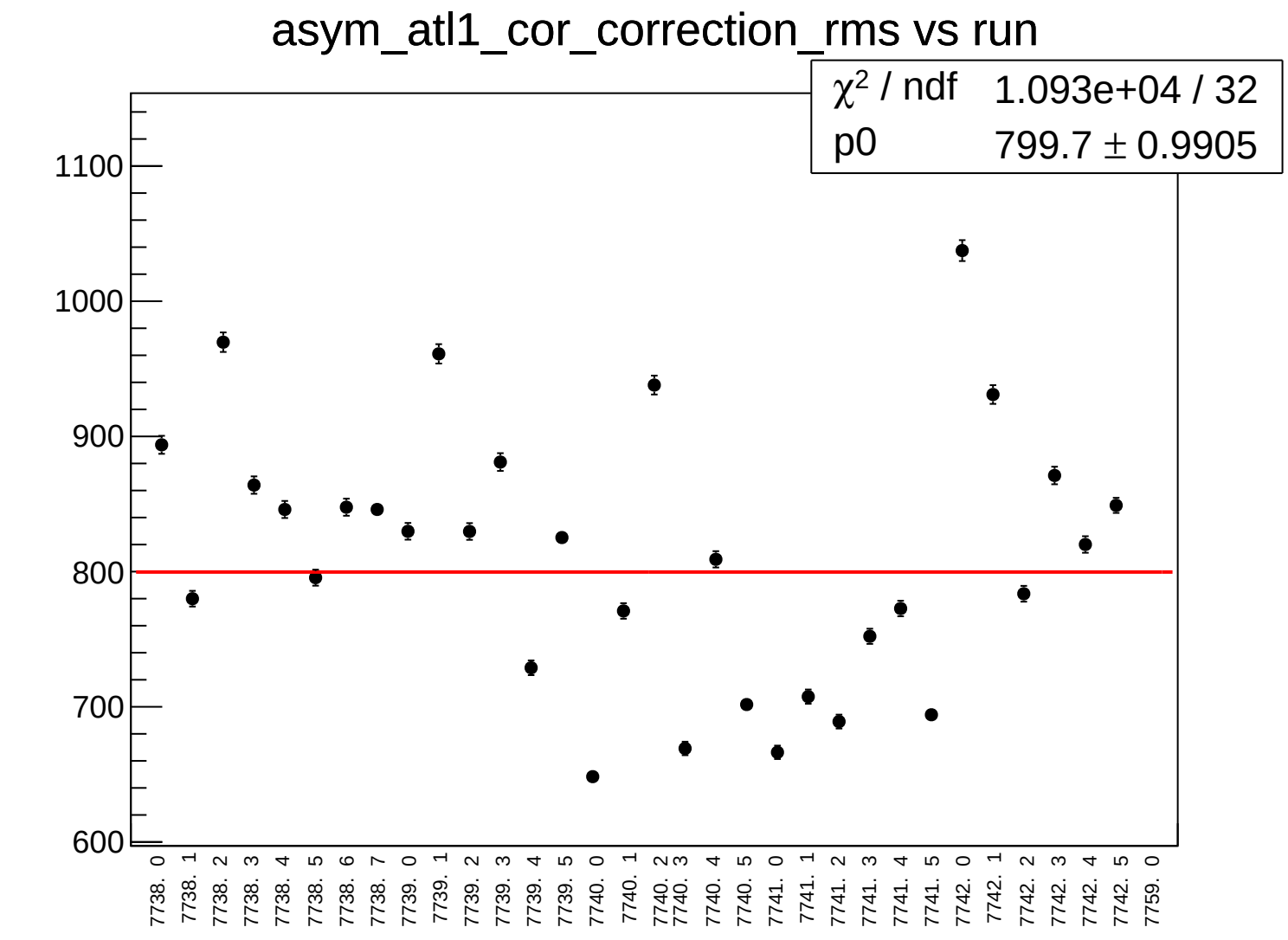

asym_atl1_reg_correction_rms vs run
χ² / ndf 1.093e+04 / 32
p0 799.7 ± 0.9905
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

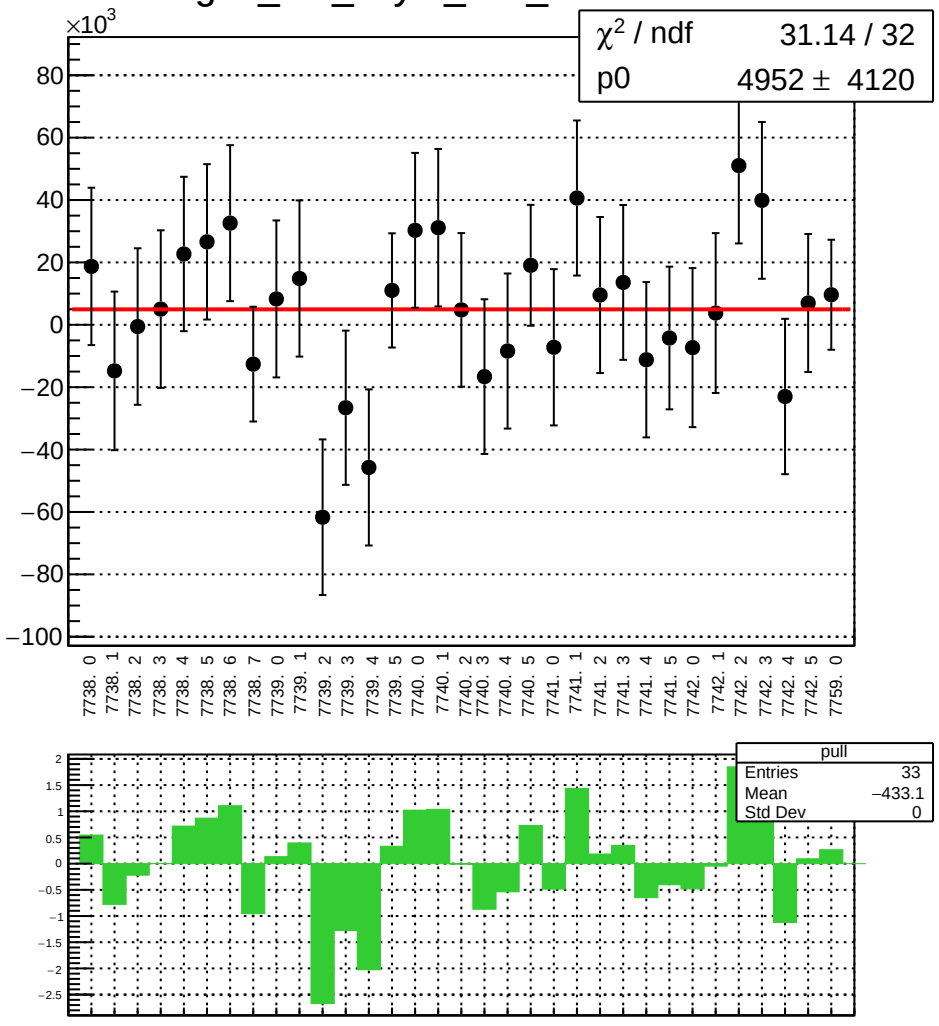

cor_asym_atl1_mean vs run
χ² / ndf 31.14 / 32
p0 4952 ± 4120
×10³
pull
Entries 33
Mean −433.1
Std Dev 0

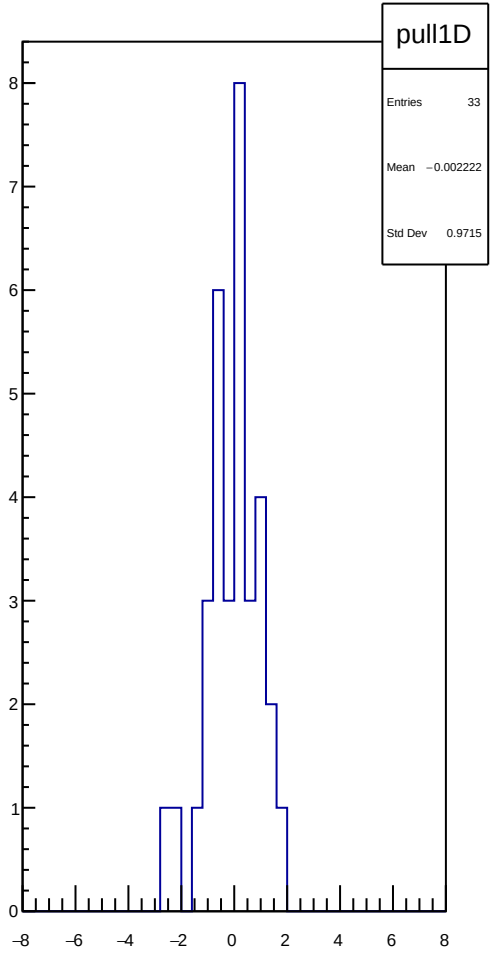

pull1D
Entries 33
Mean −0.002222
Std Dev 0.9715

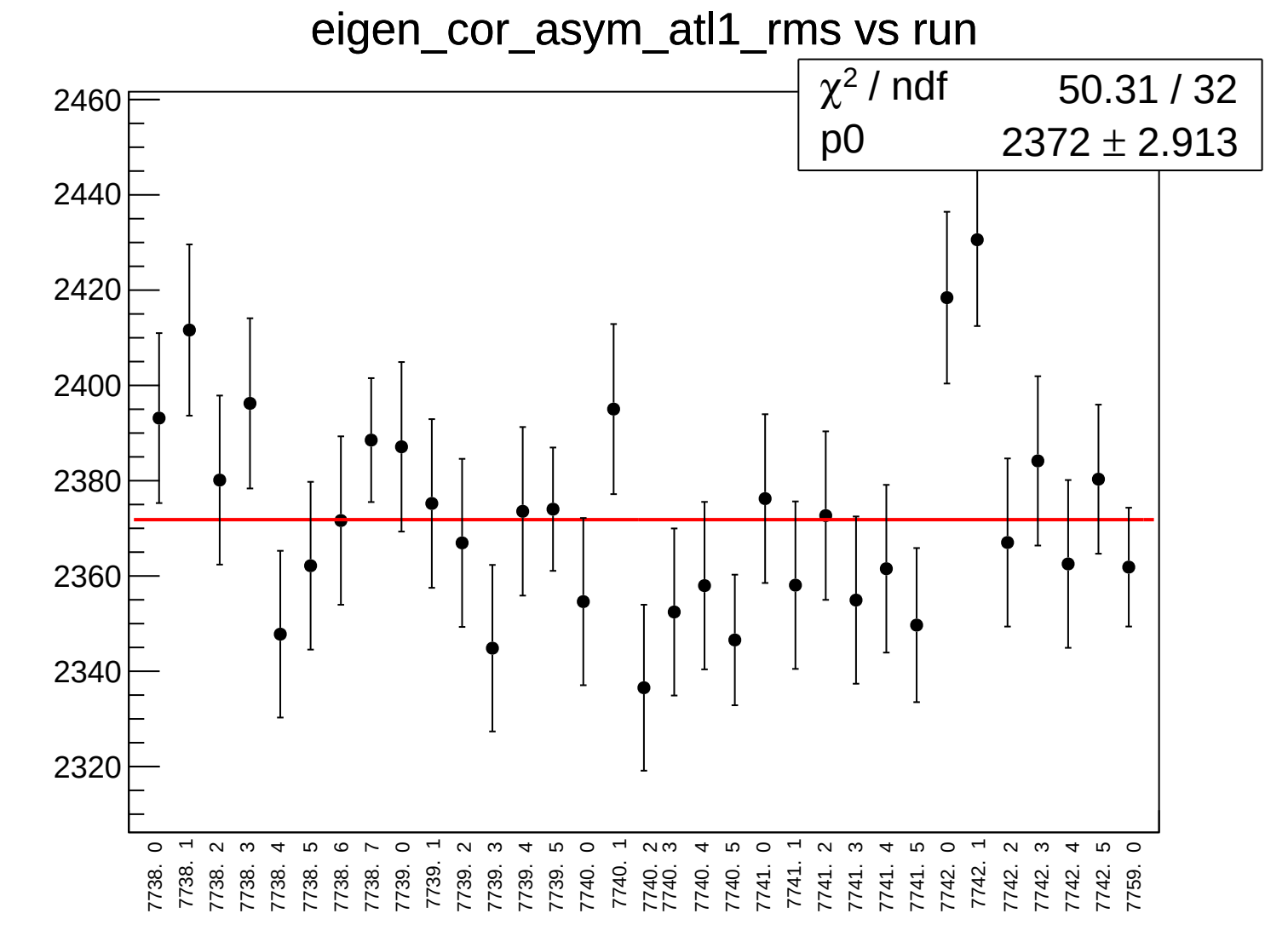

cor_asym_atl1_rms vs run
χ² / ndf 50.31 / 32
p0 2372 ± 2.913
2460
2440
2420
2400
2380
2360
2340
2320
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

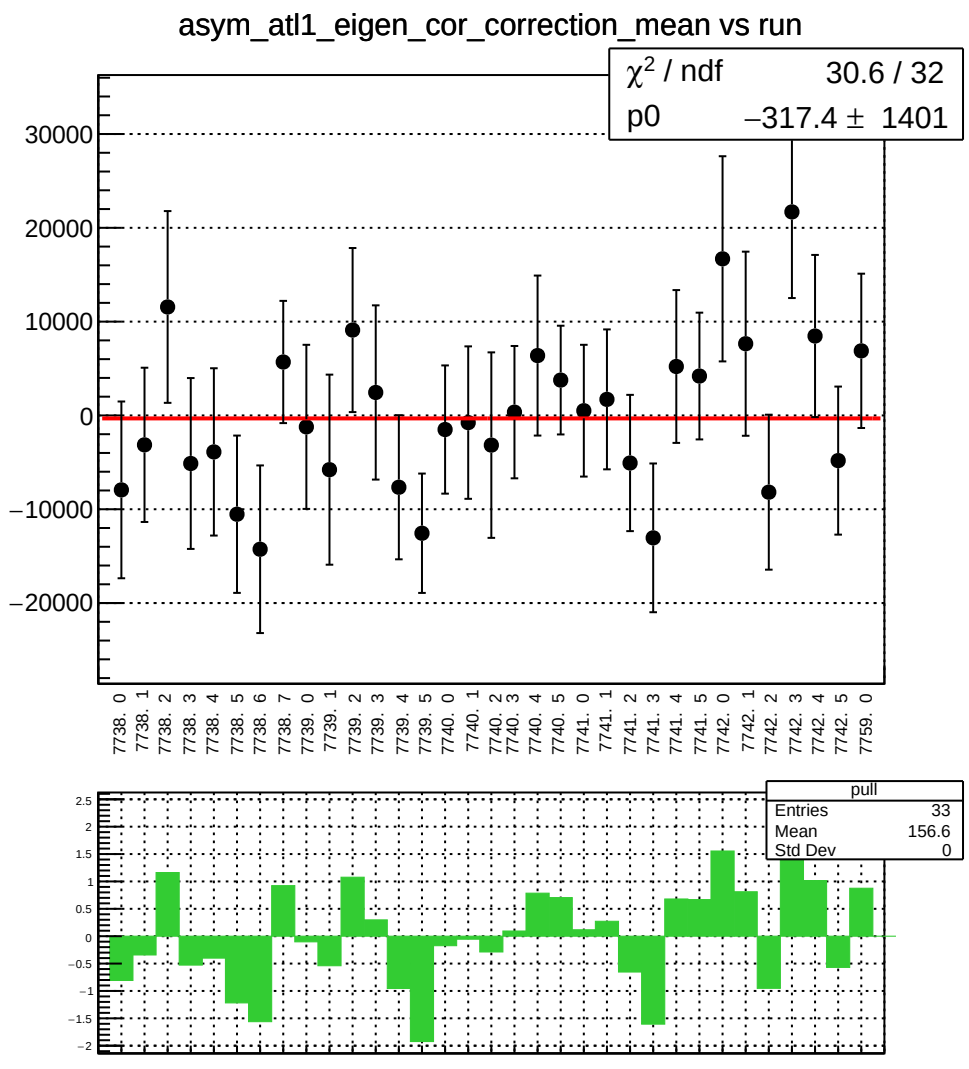

asym_atl1_cor_correction_mean vs run
χ² / ndf 30.6 / 32
p0 −317.4 ± 1401
30000
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 156.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02307
Std Dev 0.9626
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

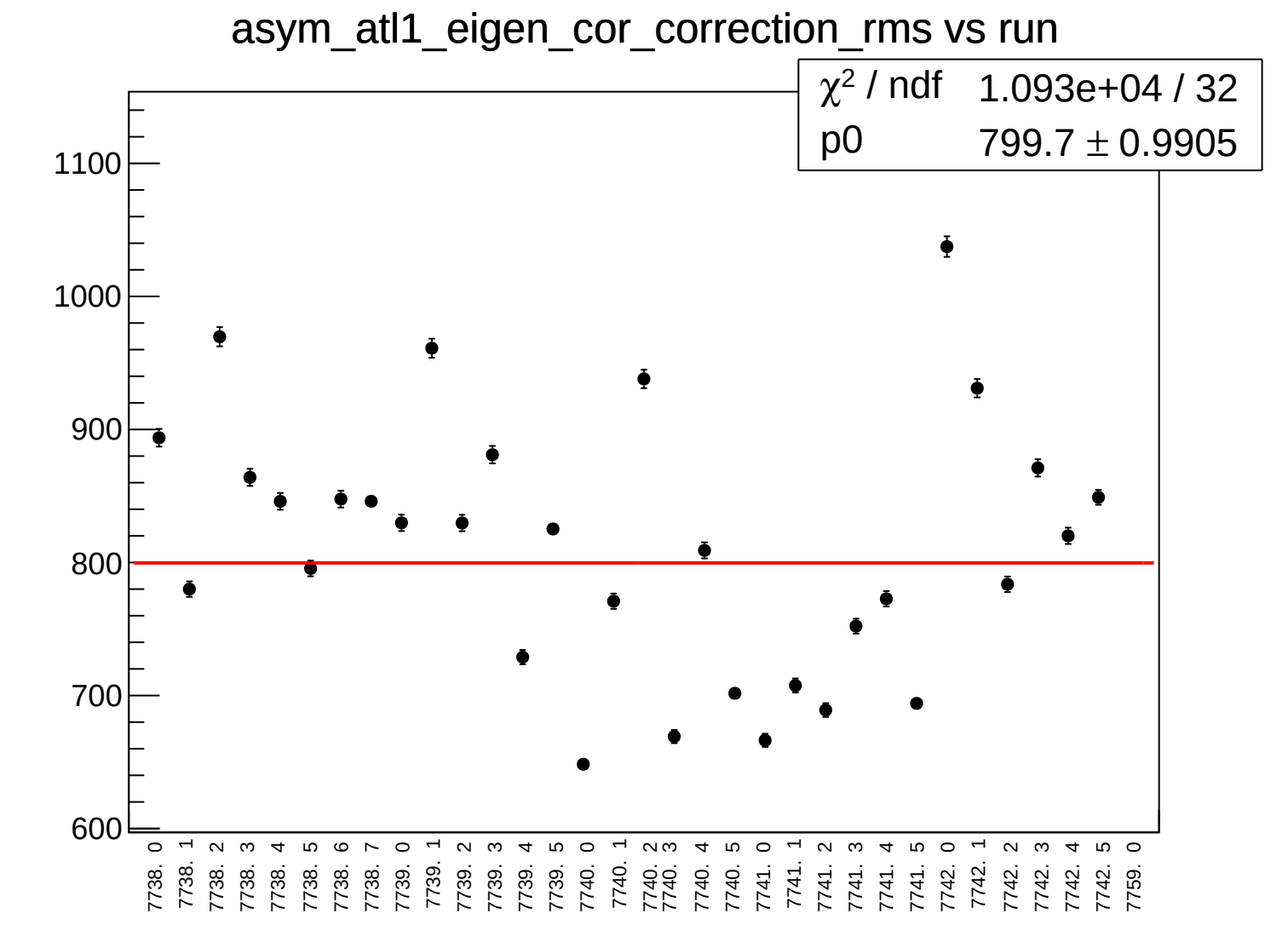

asym_atl1_cor_correction_rms vs run
χ² / ndf 1.093e+04 / 32
p0 799.7 ± 0.9905
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

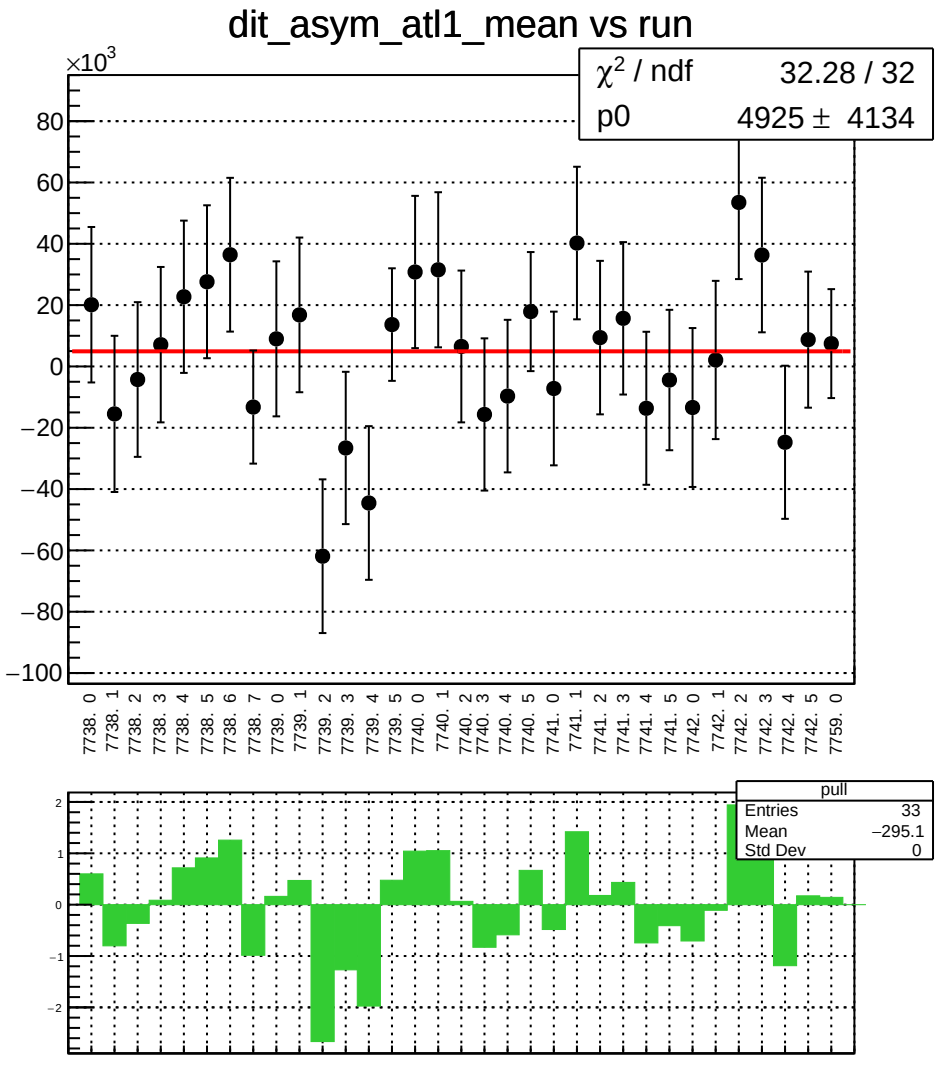

eigen_cor_asym_atl1_mean vs run
χ² / ndf 31.14 / 32
p0 4952 ± 4120
×10³
pull
Entries 33
Mean −433.1
Std Dev 0

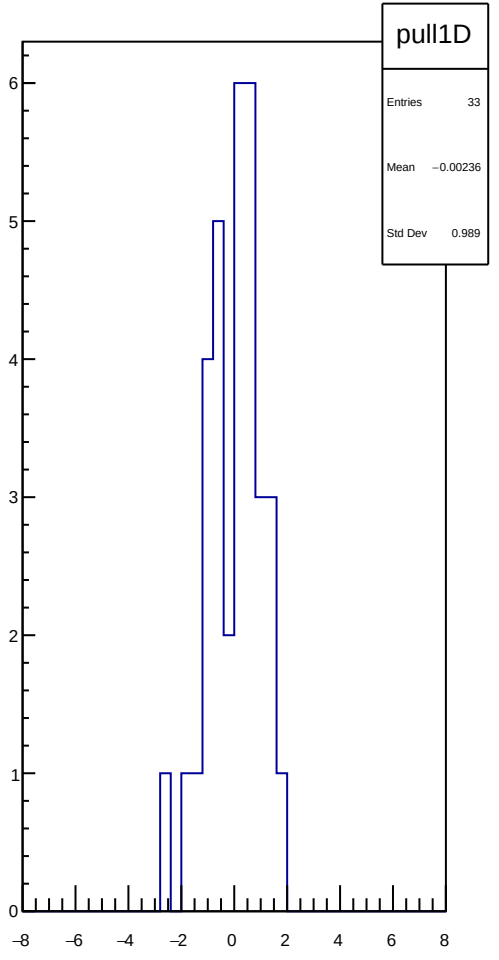

pull1D
Entries 33
Mean −0.002222
Std Dev 0.9715

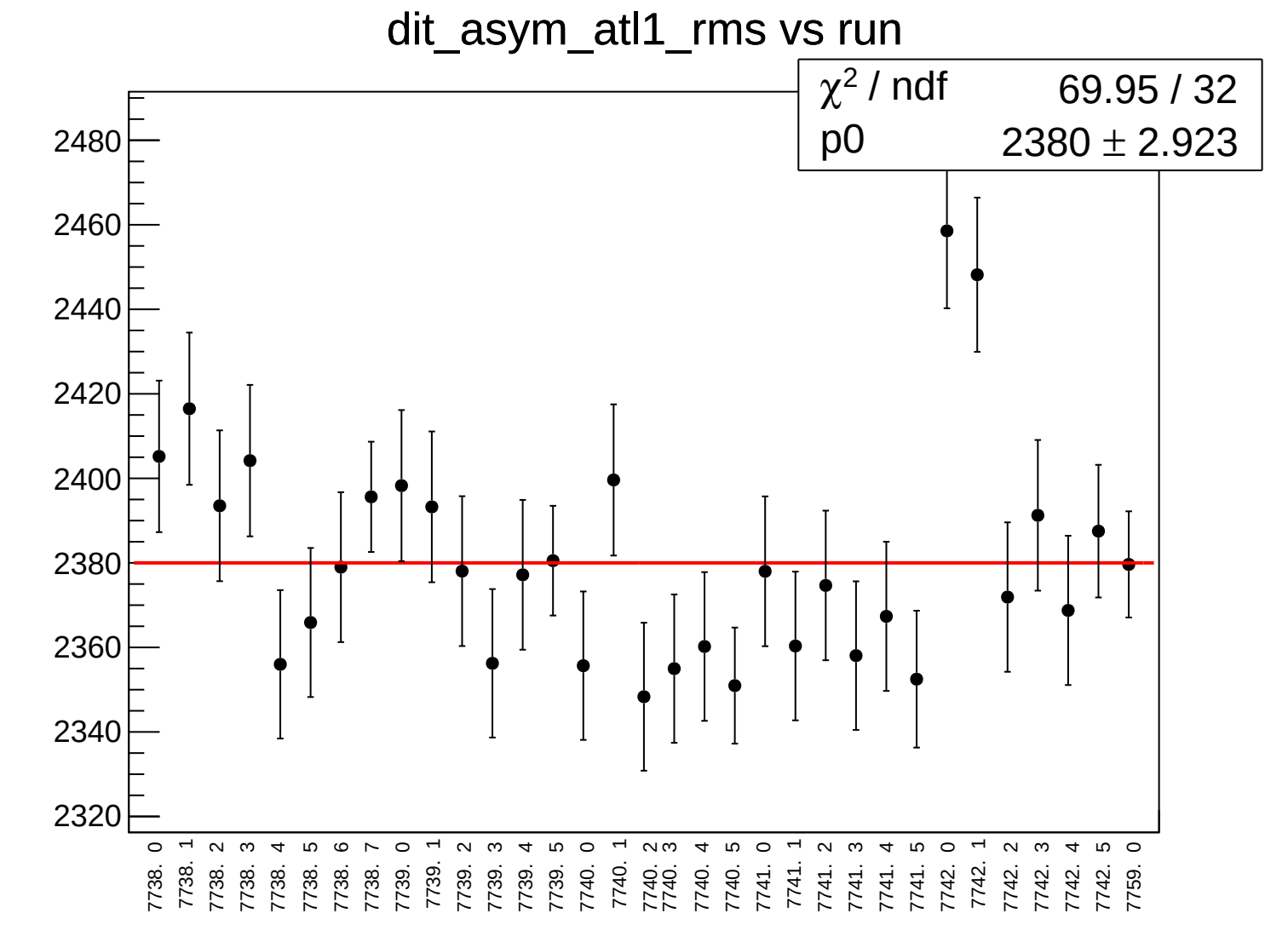

eigen_cor_asym_atl1_rms vs run
χ^2 / ndf 50.31 / 32
p0 2372 ± 2.913
2460
2440
2420
2400
2380
2360
2340
2320
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

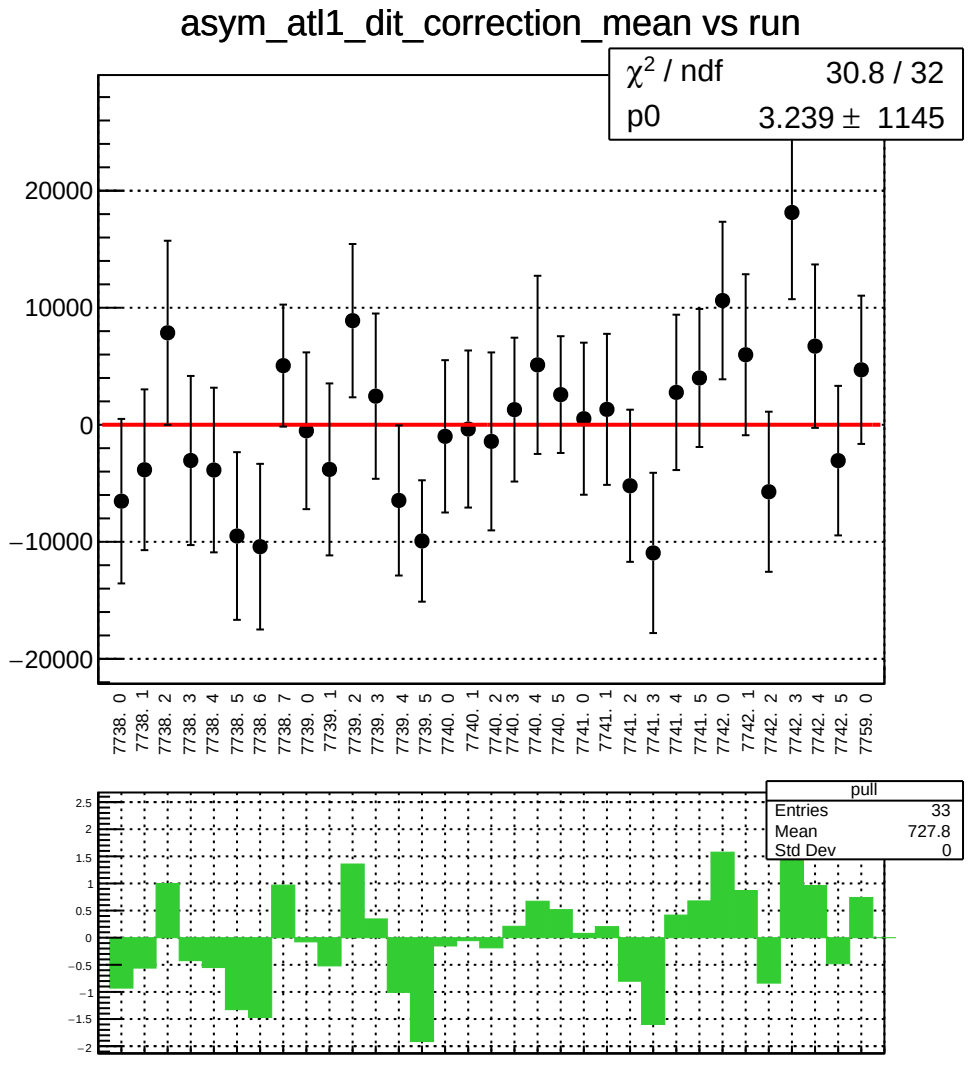

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 30.6 / 32
p0 −317.4 ± 1401
30000
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 156.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02307
Std Dev 0.9626
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

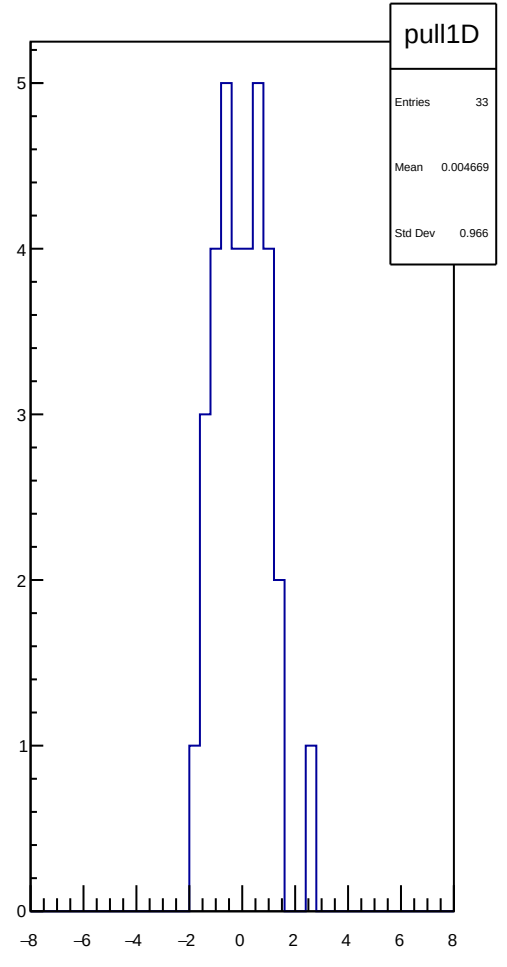

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 1.093e+04 / 32
p0 799.7 ± 0.9905
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

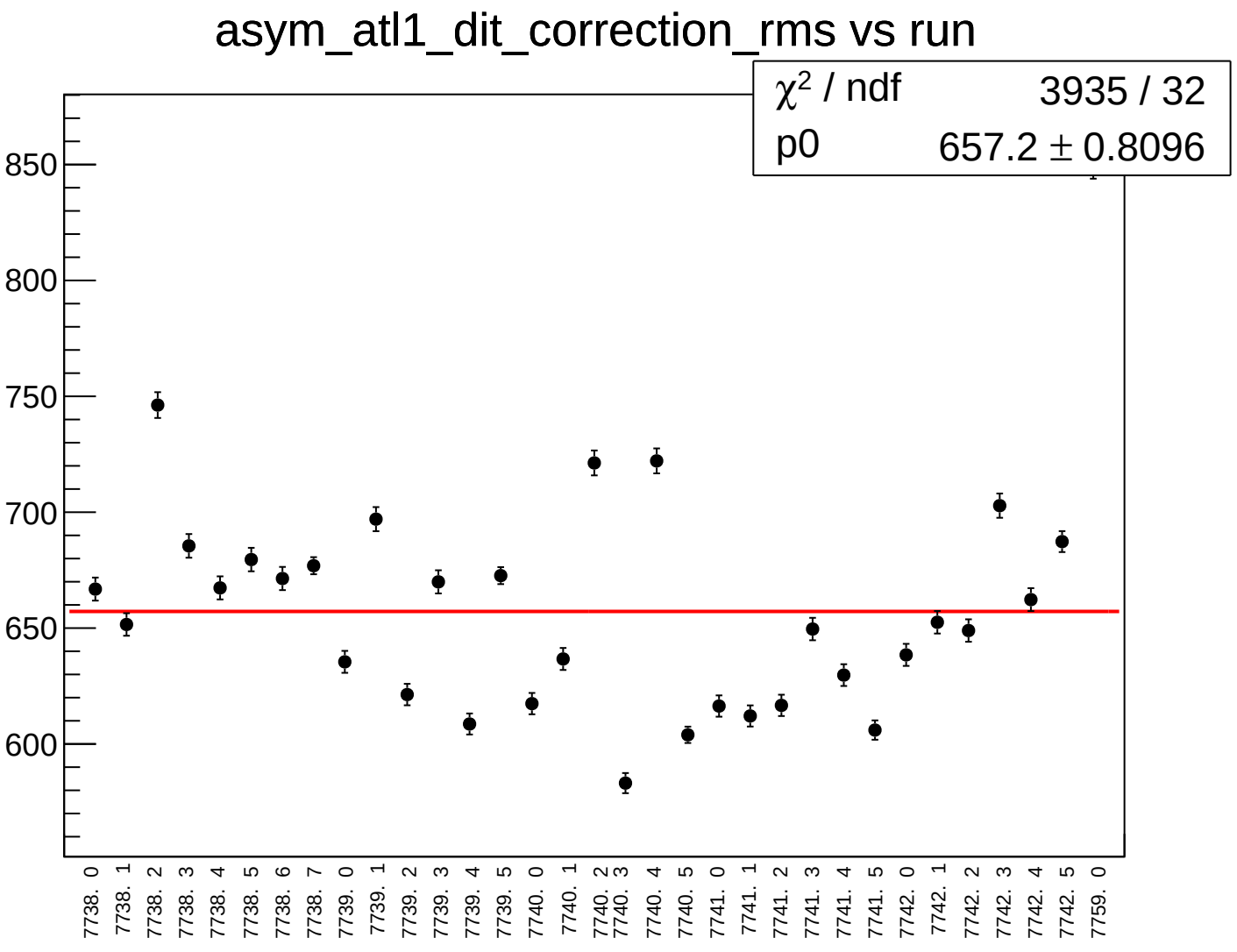

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 32.28 / 32
p0 4925 ± 4134
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −295.1
Std Dev 0
2
1
0
−1
−2

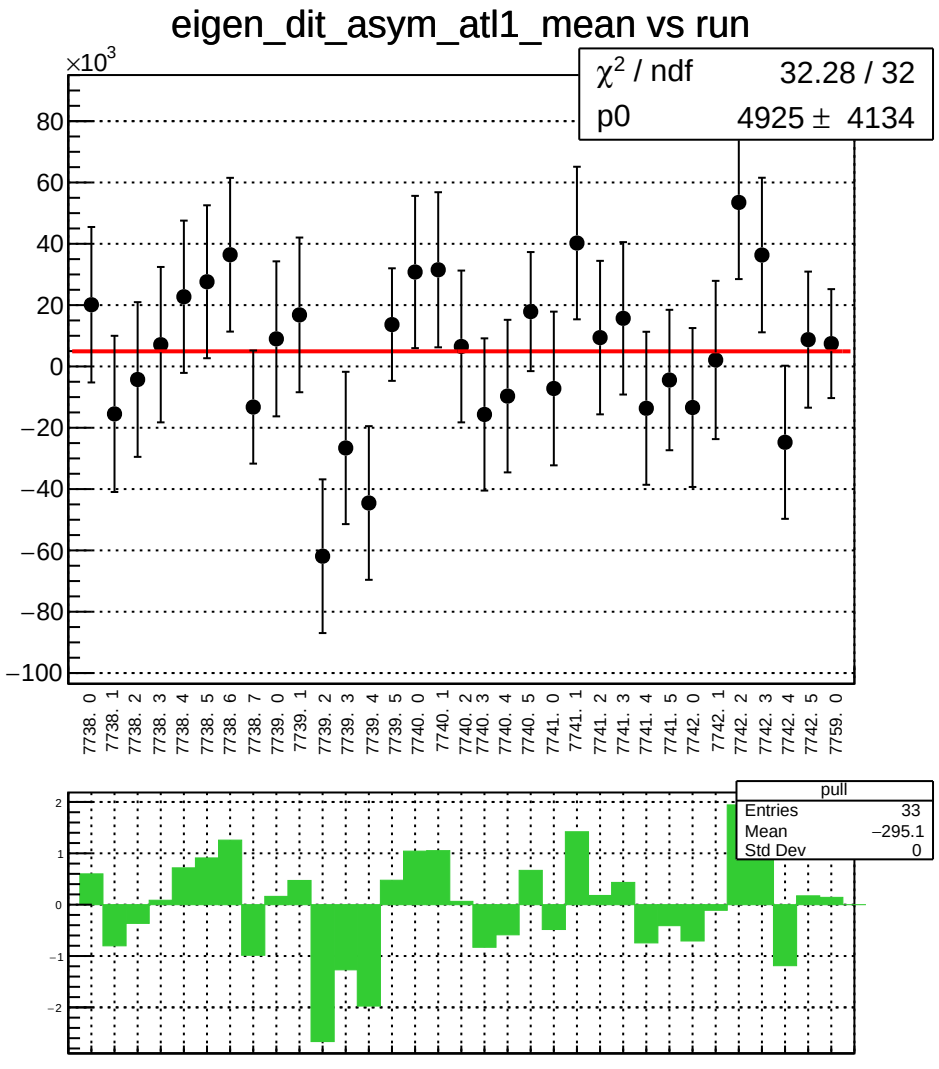

pull1D
Entries 33
Mean −0.00236
Std Dev 0.989
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

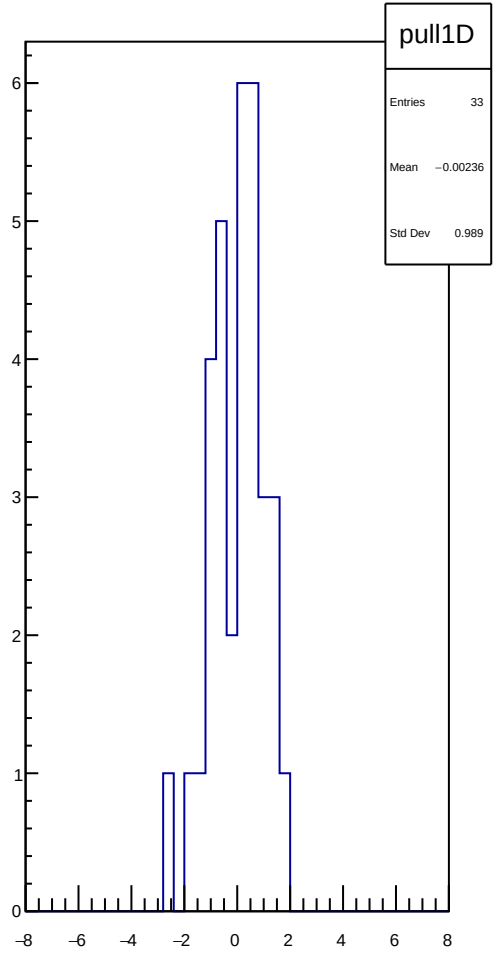

dit_asym_atl1_rms vs run
χ² / ndf 69.95 / 32
p0 2380 ± 2.923
2480
2460
2440
2420
2400
2380
2360
2340
2320
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

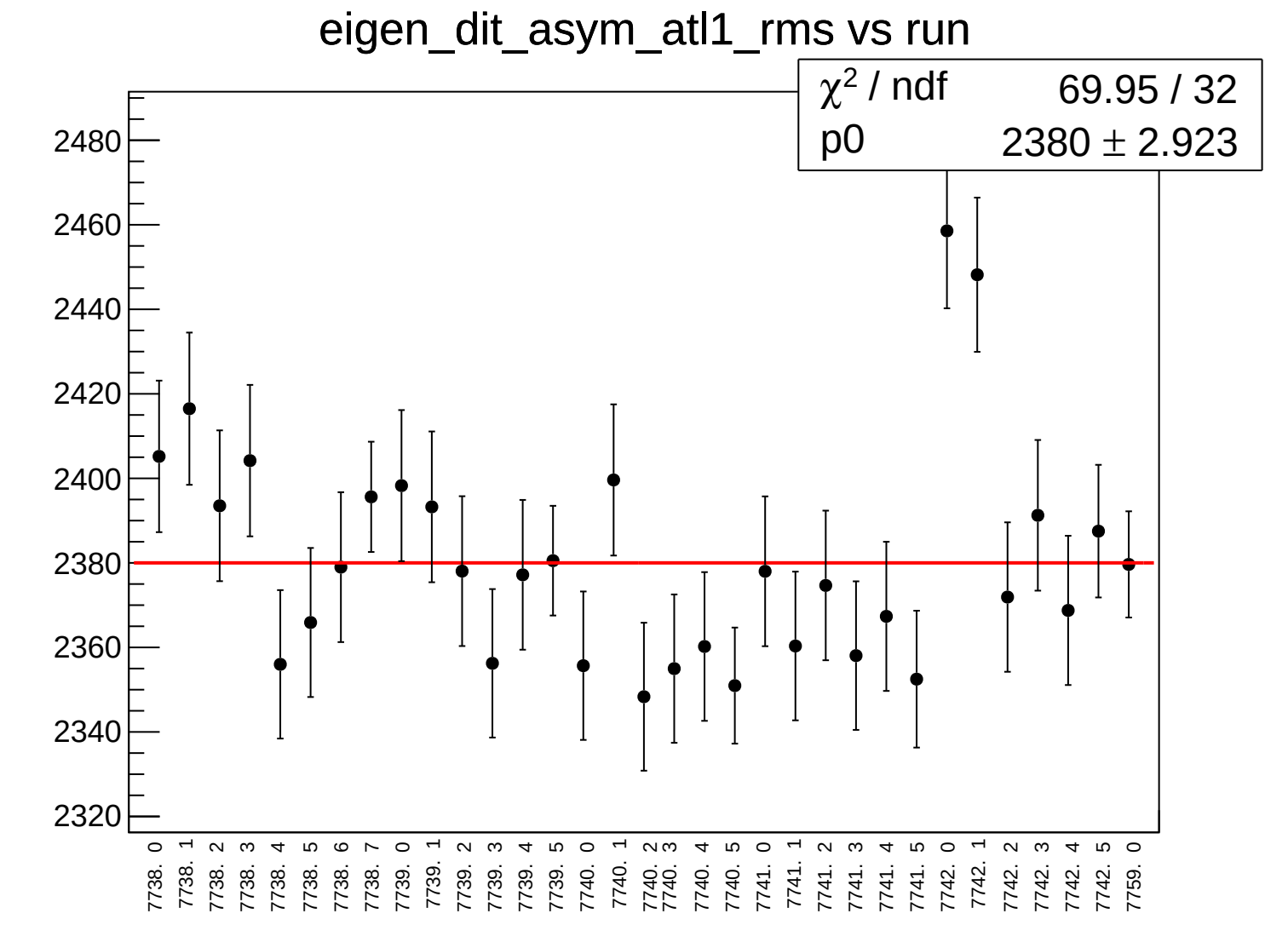

asym_atl1_dit_correction_mean vs run
χ² / ndf 30.8 / 32
p0 3.239 ± 1145
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 727.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

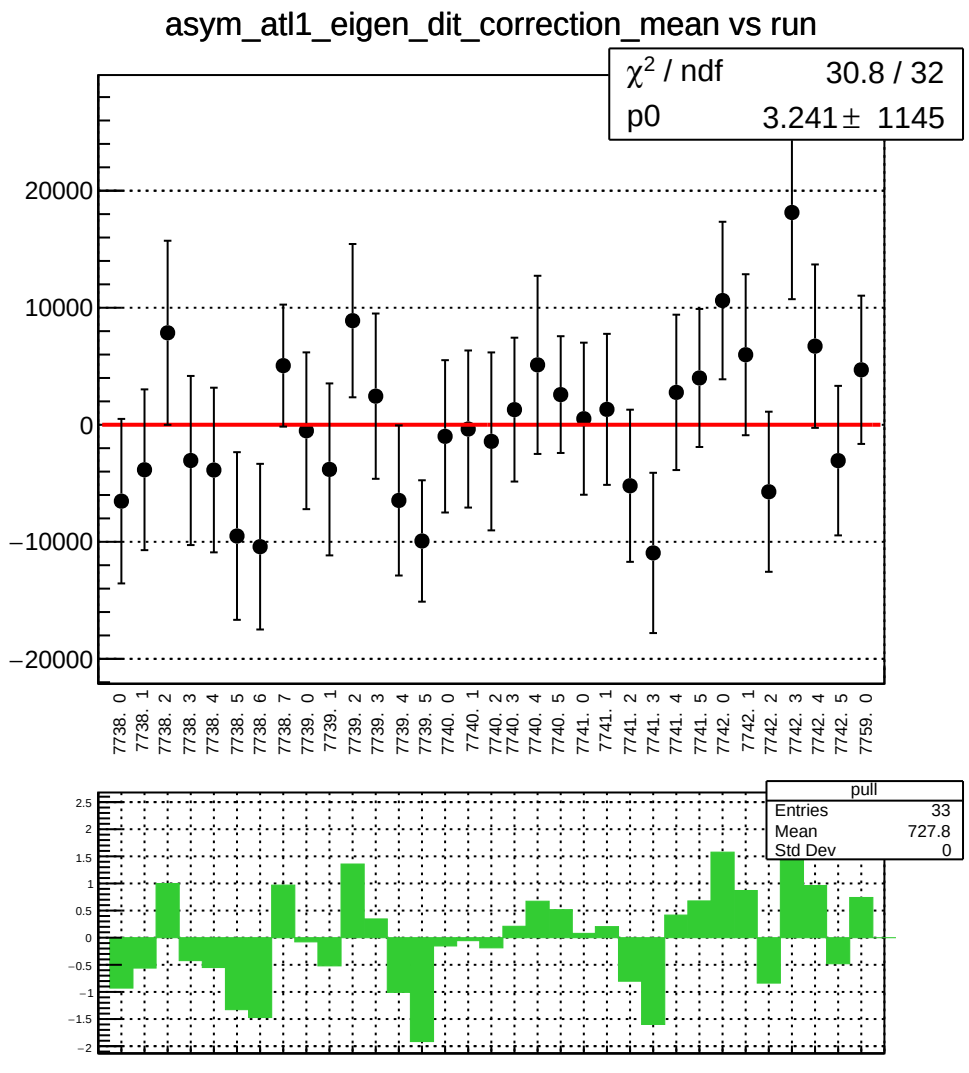

pull1D
Entries 33
Mean 0.004669
Std Dev 0.966
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

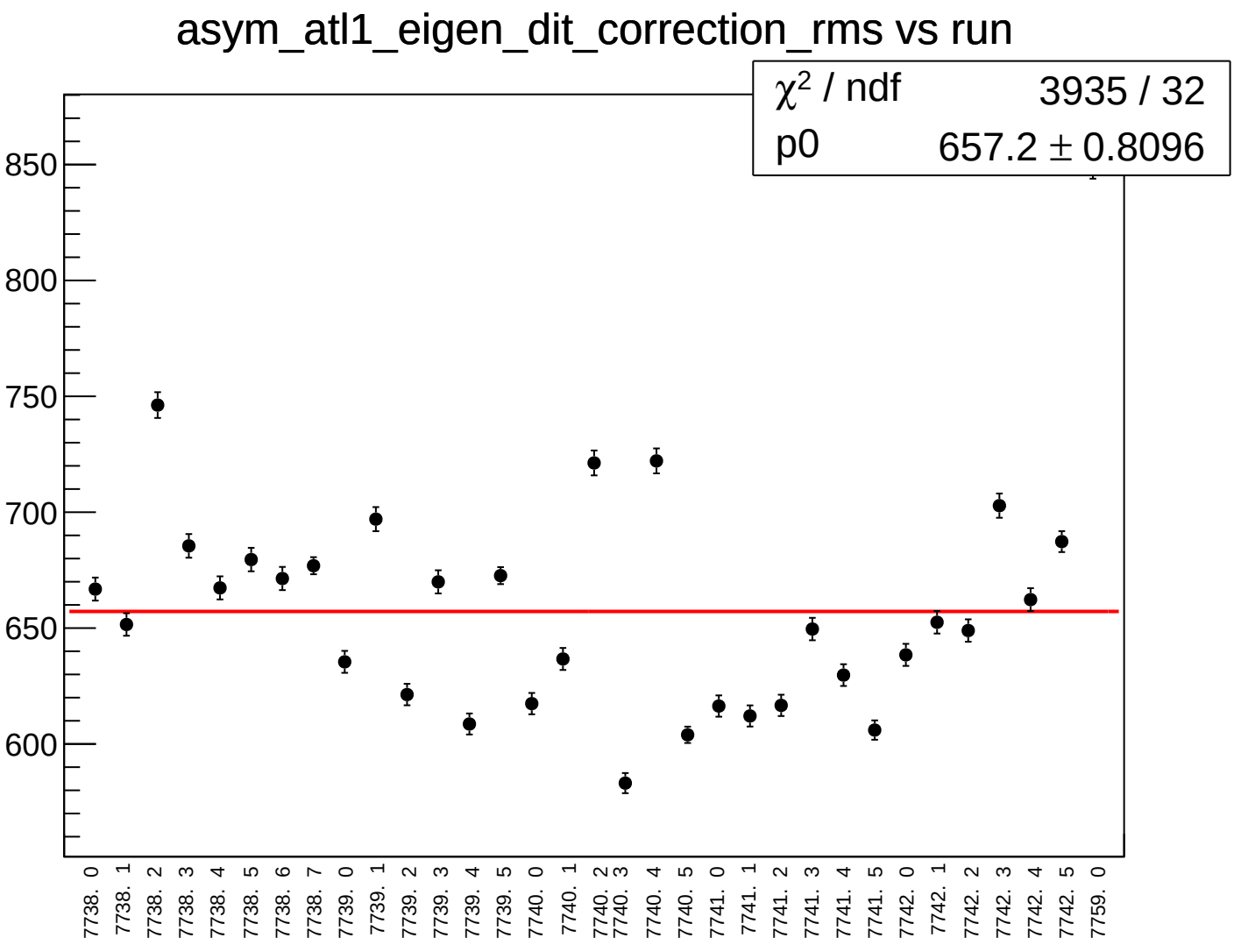

asym_atl1_dit_correction_rms vs run
χ² / ndf 3935 / 32
p0 657.2 ± 0.8096
850
800
750
700
650
600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

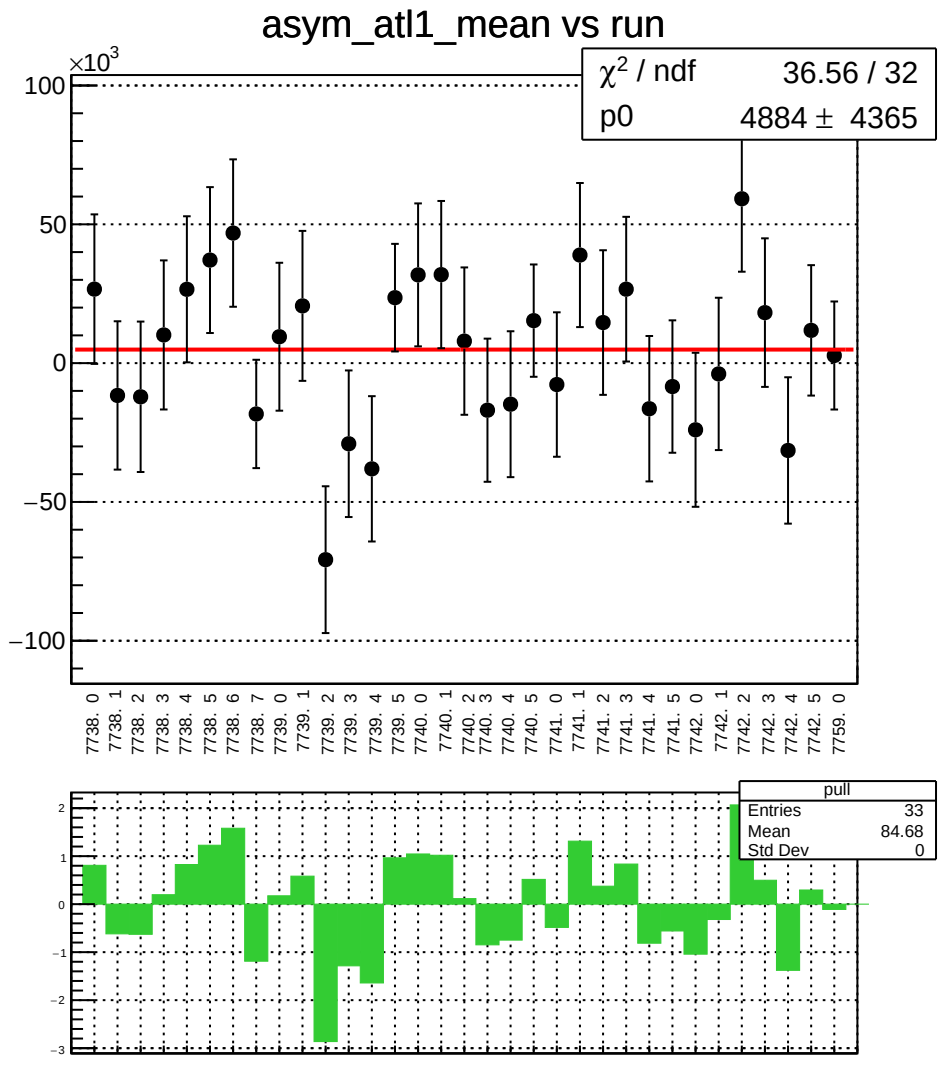

eigen_dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 32.28 / 32
p0 4925 ± 4134
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −295.1
Std Dev 0
2
1
0
−1
−2

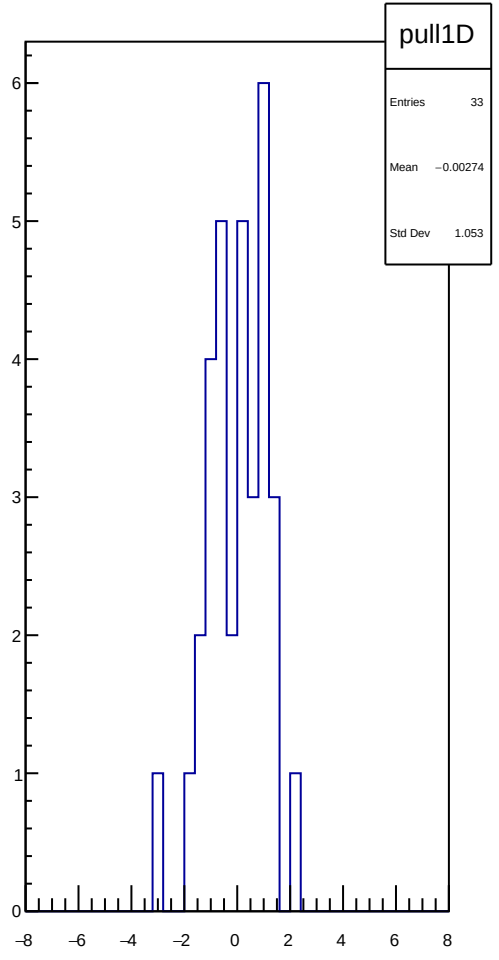

pull1D
Entries 33
Mean −0.00236
Std Dev 0.989
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

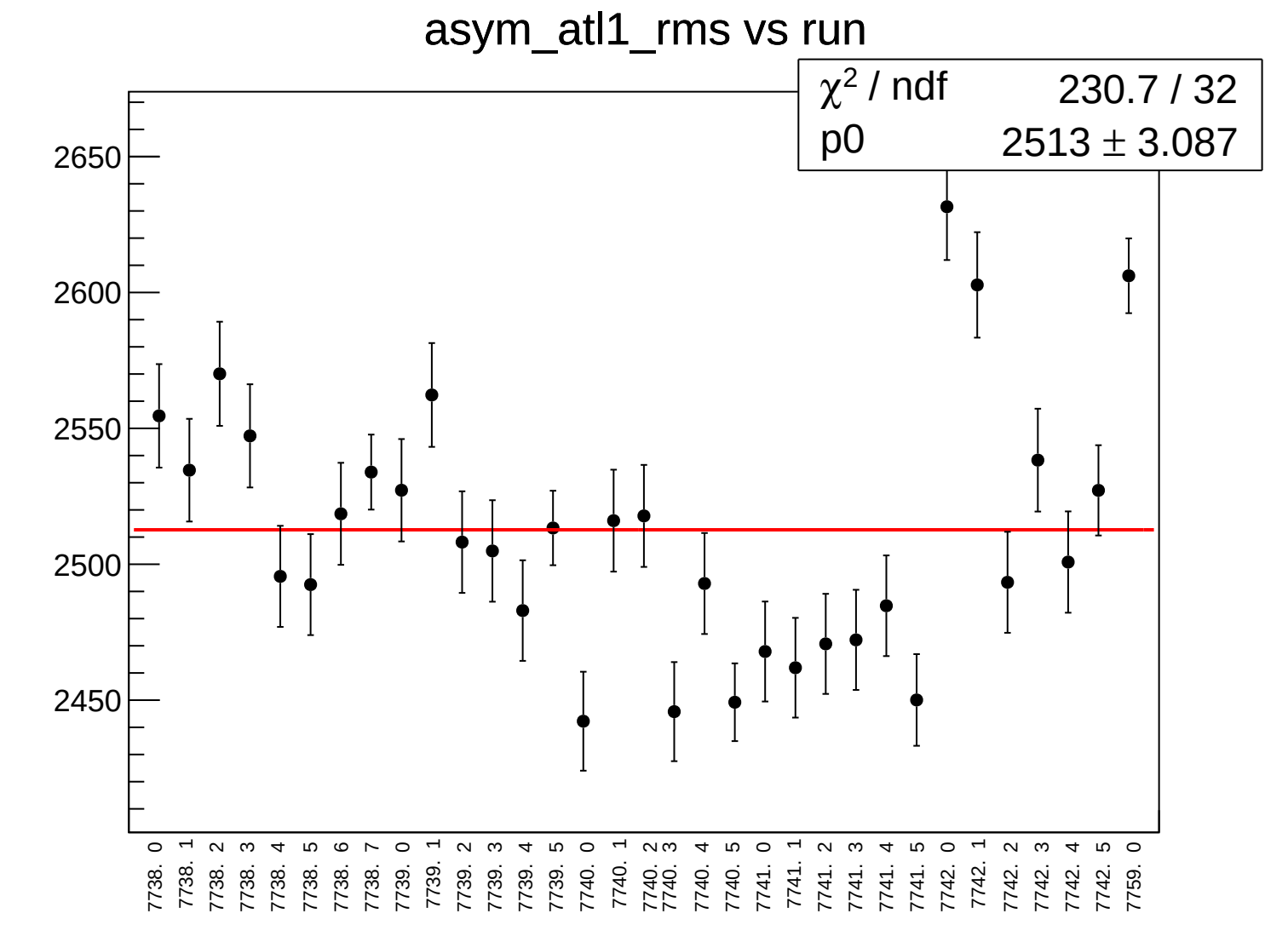

eigen_dit_asym_atl1_rms vs run
χ^2 / ndf 69.95 / 32
p0 2380 ± 2.923
2480
2460
2440
2420
2400
2380
2360
2340
2320
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

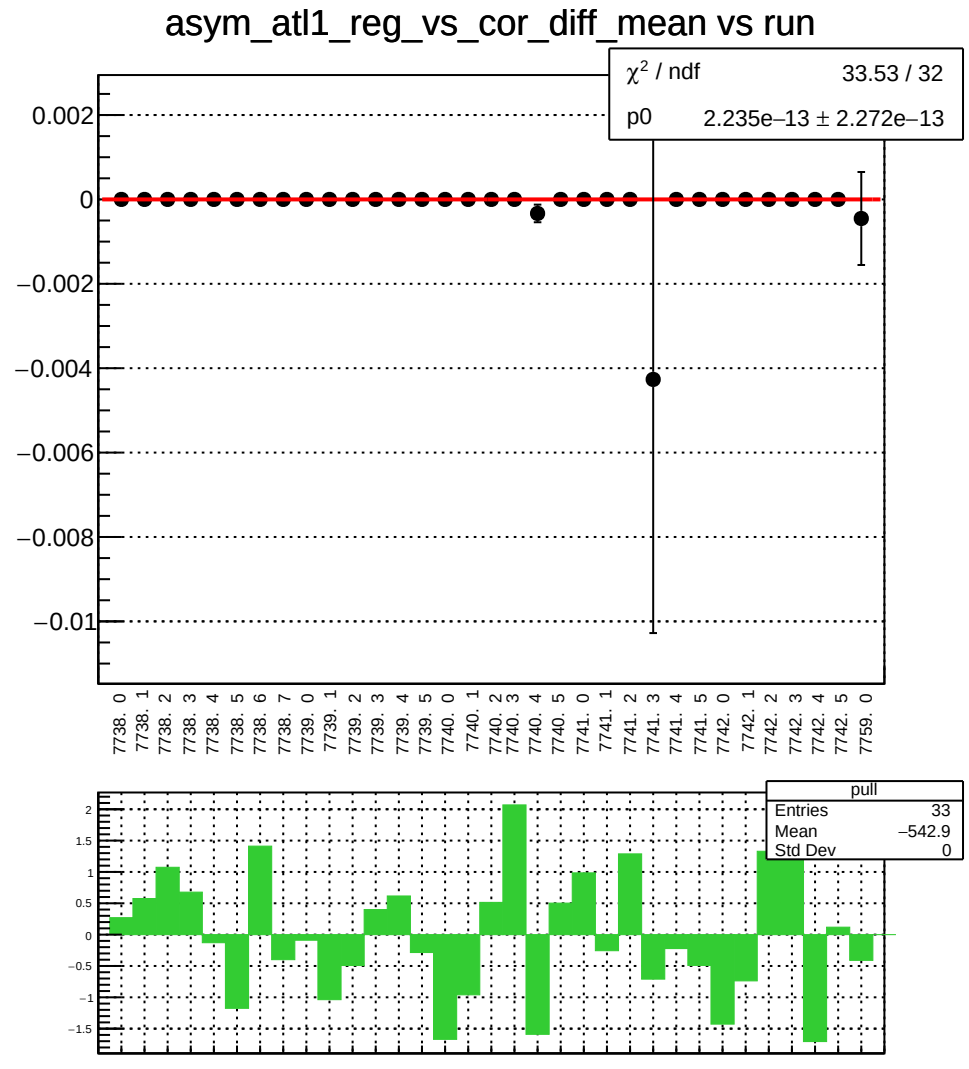

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 30.8 / 32
p0 3.241± 1145
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 727.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.004669
Std Dev 0.966
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

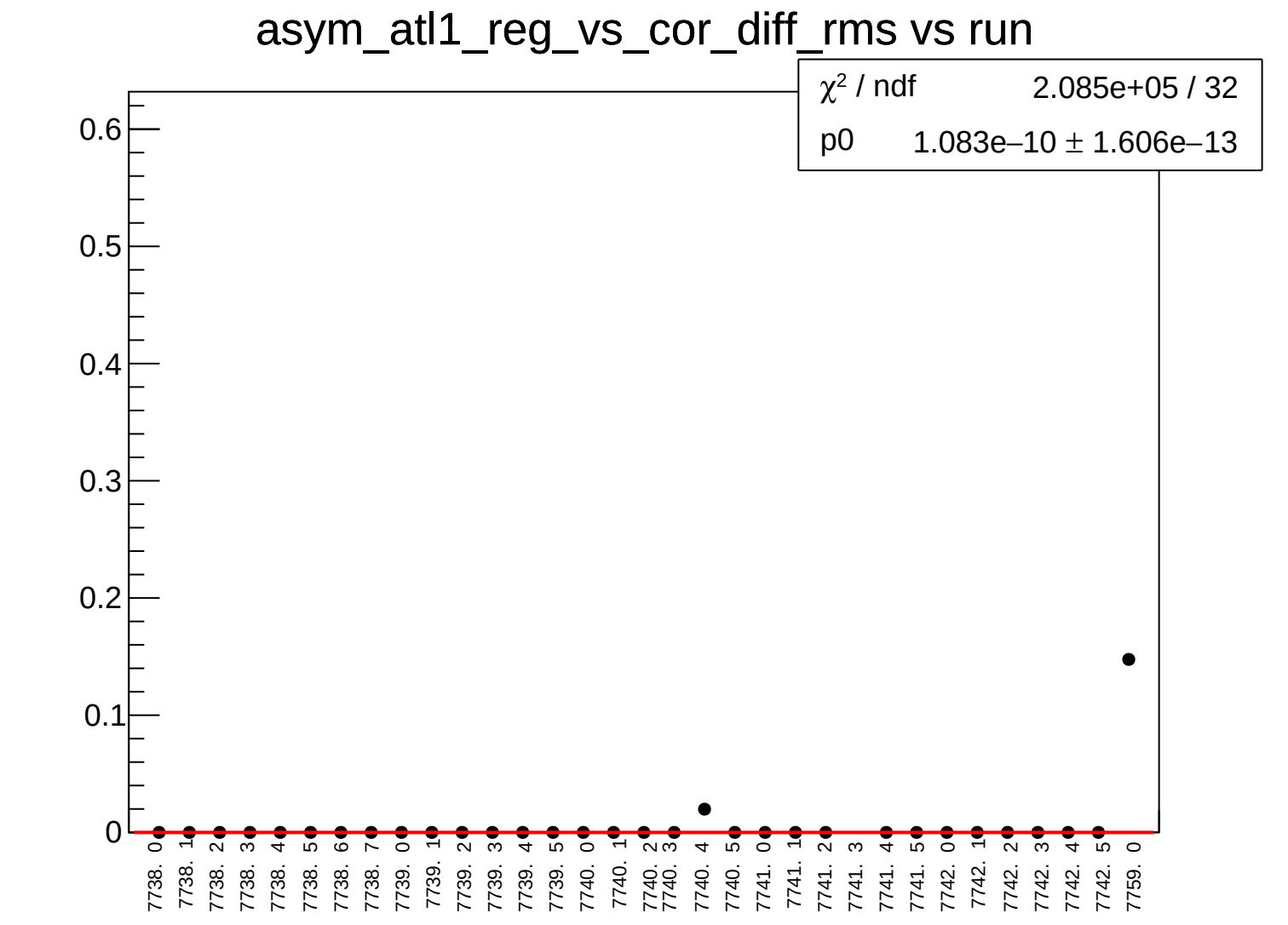

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 3935 / 32
p0 657.2 ± 0.8096
850
800
750
700
650
600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

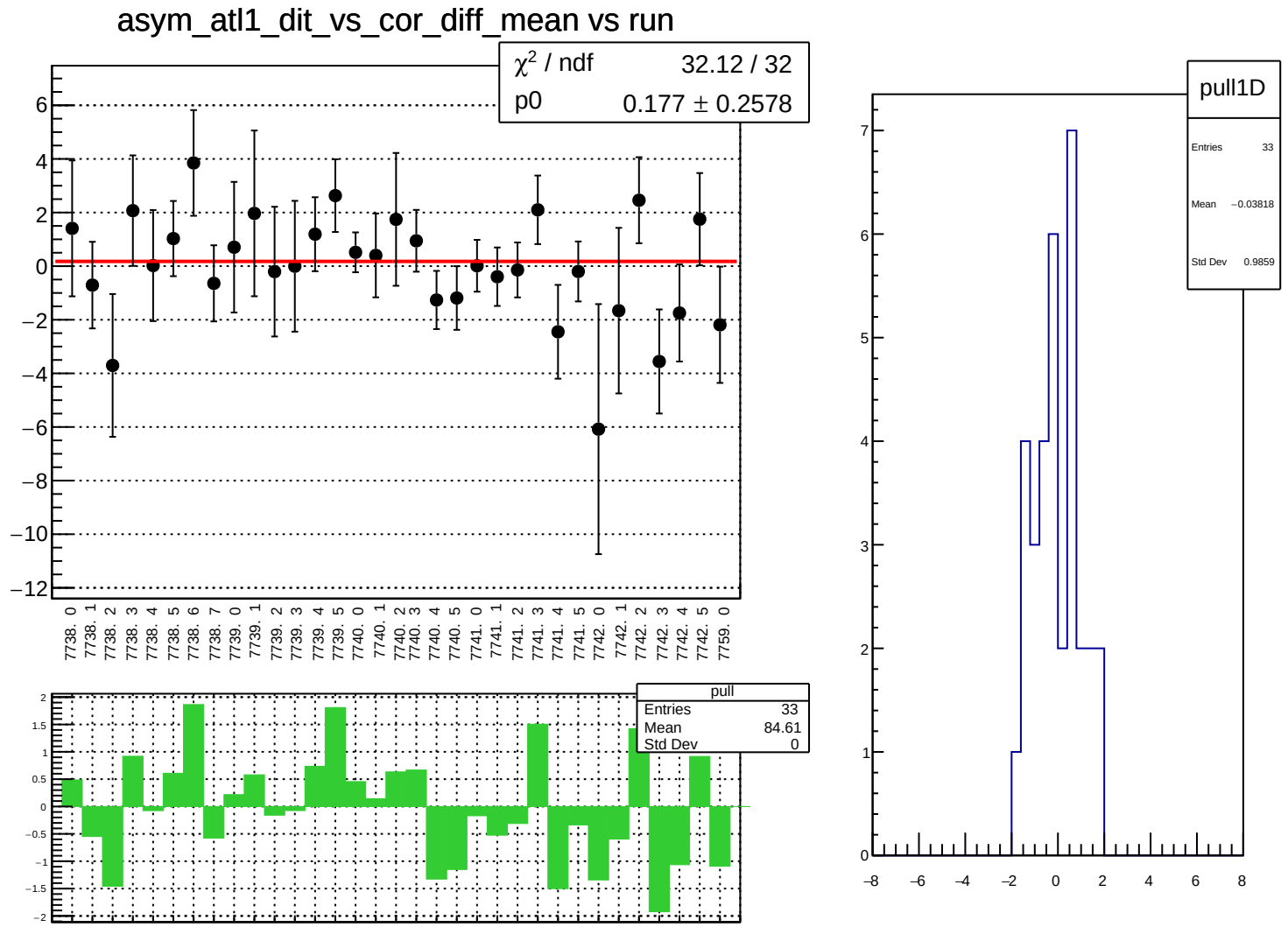

asym_atl1_mean vs run
×10^3
χ^2 / ndf 36.56 / 32
p0 4884 ± 4365
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 84.68
Std Dev 0
2
1
0
−1
−2
−3

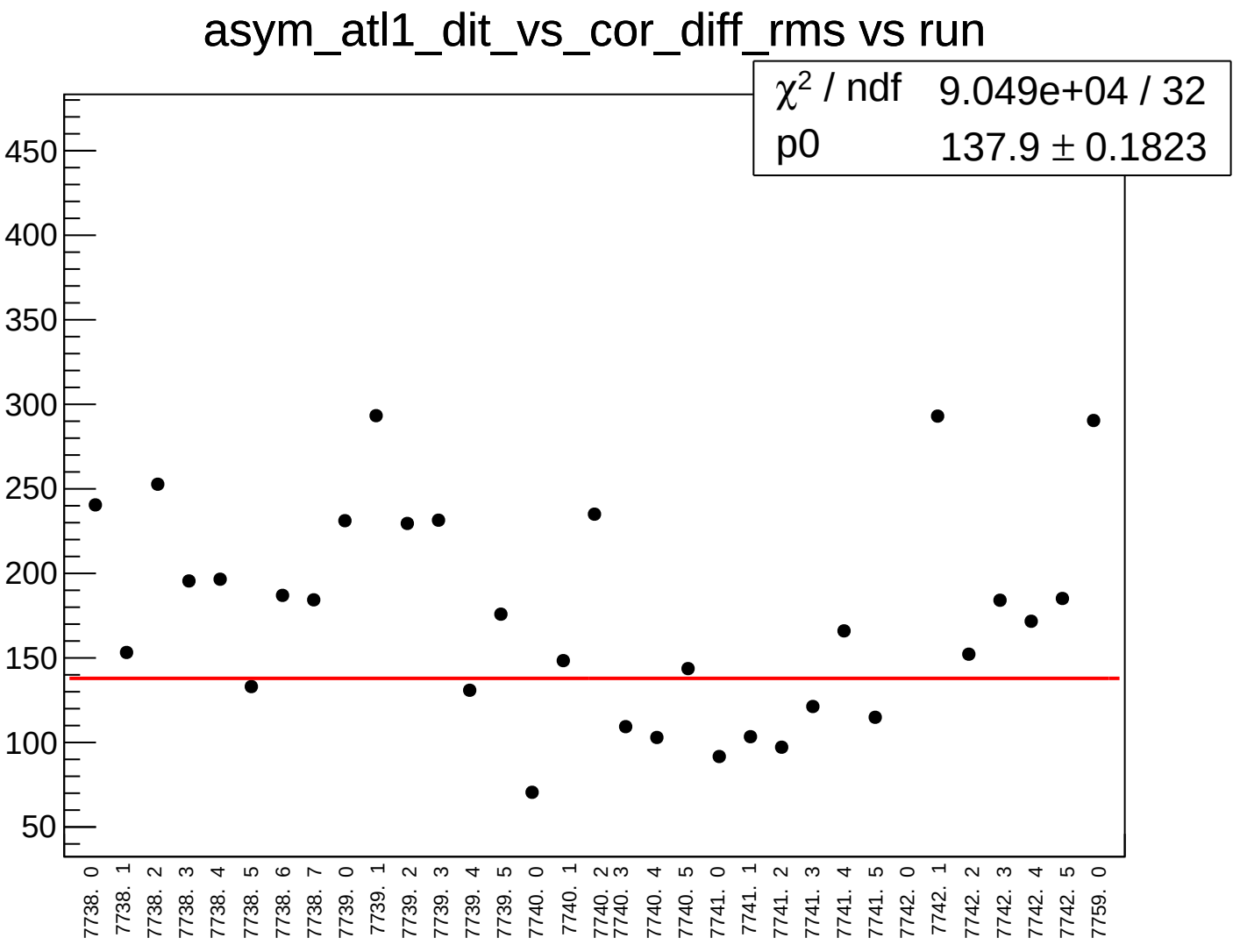

pull1D
Entries 33
Mean −0.00274
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

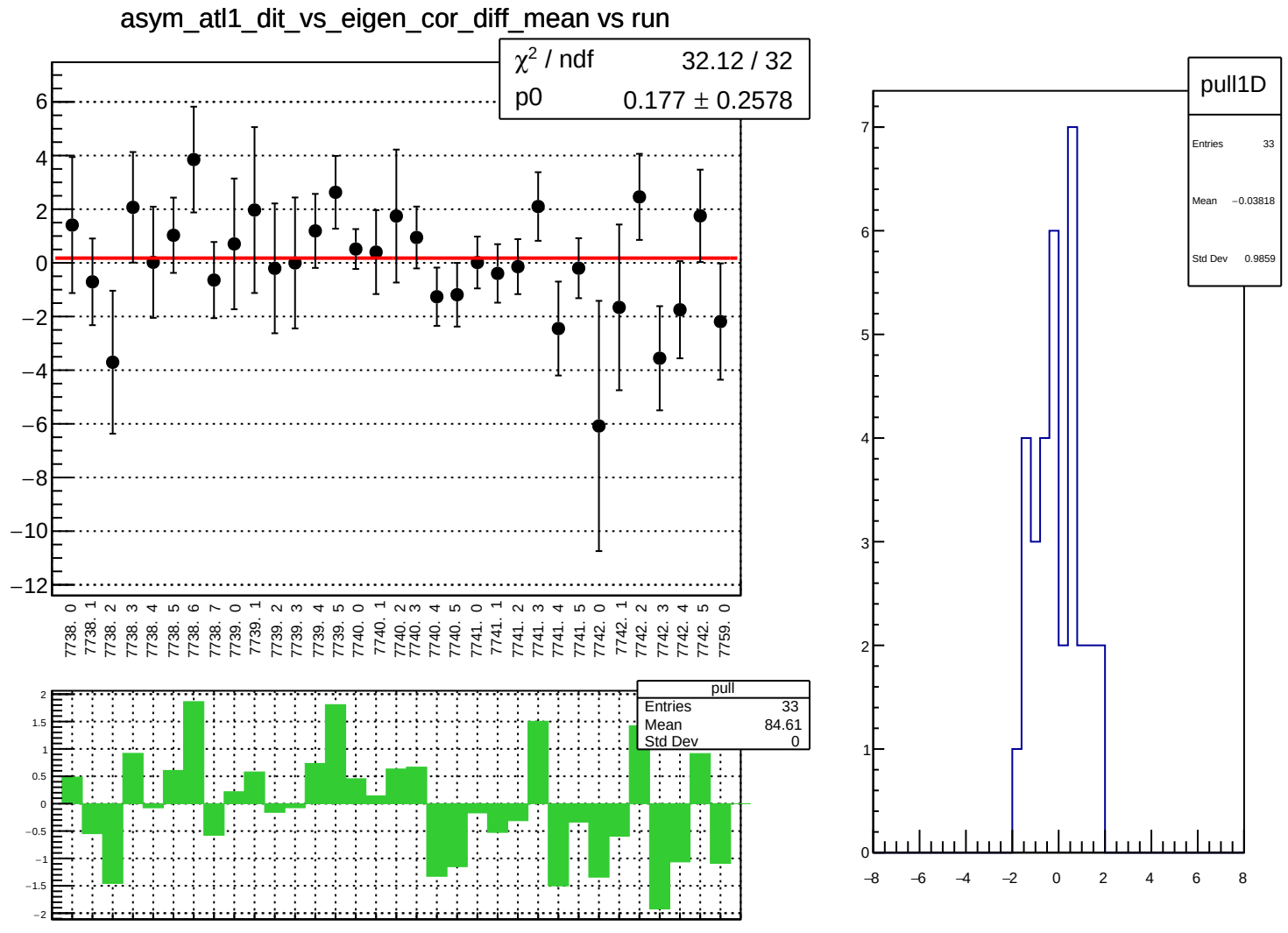

asym_atl1_rms vs run
χ² / ndf 230.7 / 32
p0 2513 ± 3.087
2650
2600
2550
2500
2450
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

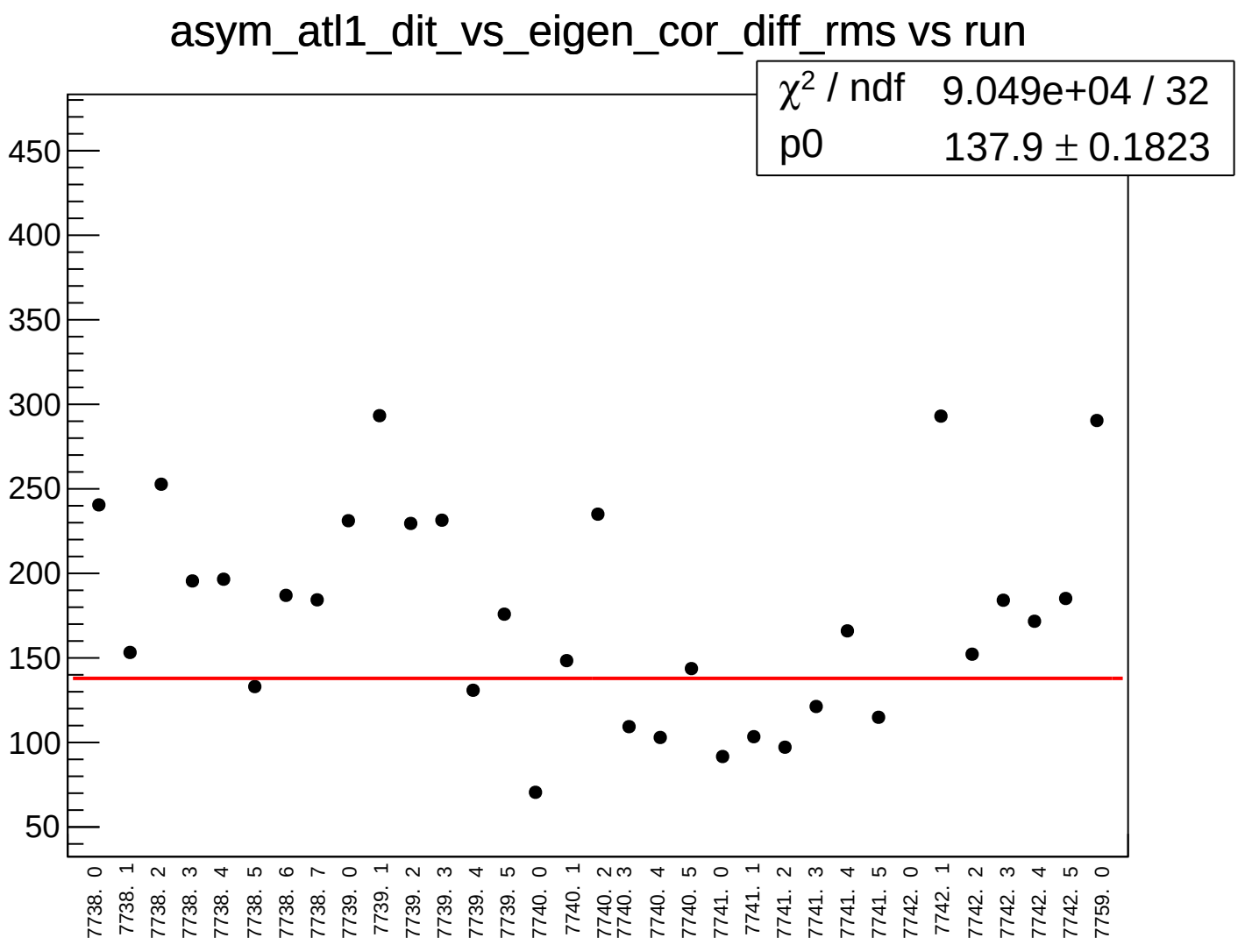

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 33.53 / 32
p0 2.235e−13 ± 2.272e−13
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −542.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.001656
Std Dev 1.008
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

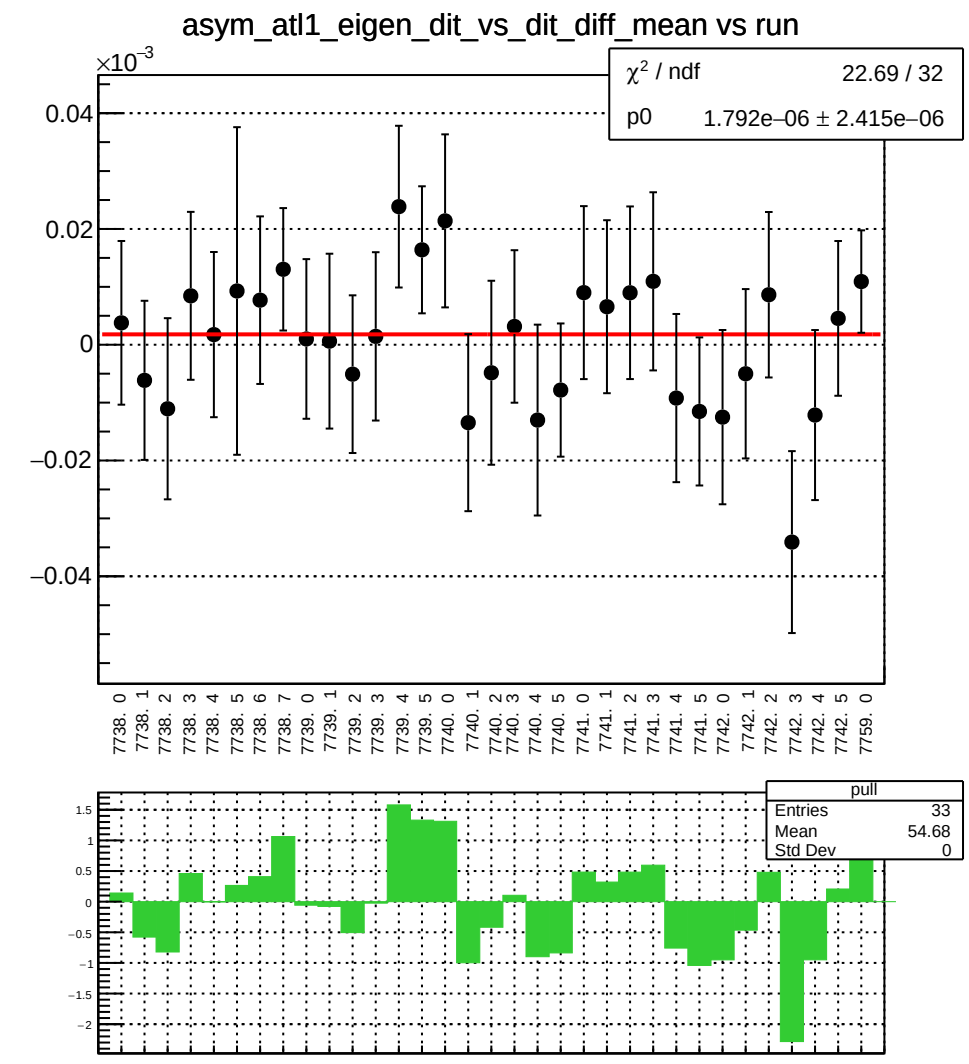

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 2.085e+05 / 32
p0 1.083e−10 ± 1.606e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

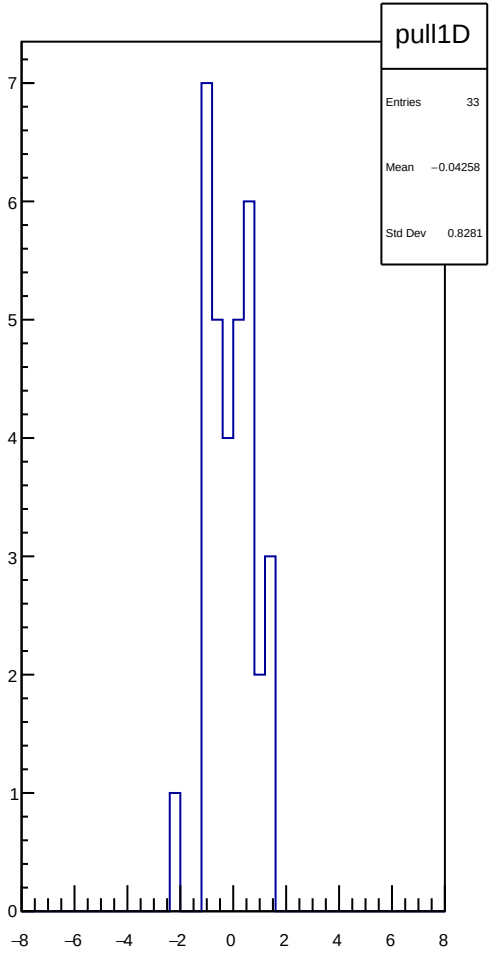

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 32.12 / 32
p0 0.177 ± 0.2578
pull
Entries 33
Mean 84.61
Std Dev 0
pull1D
Entries 33
Mean −0.03818
Std Dev 0.9859

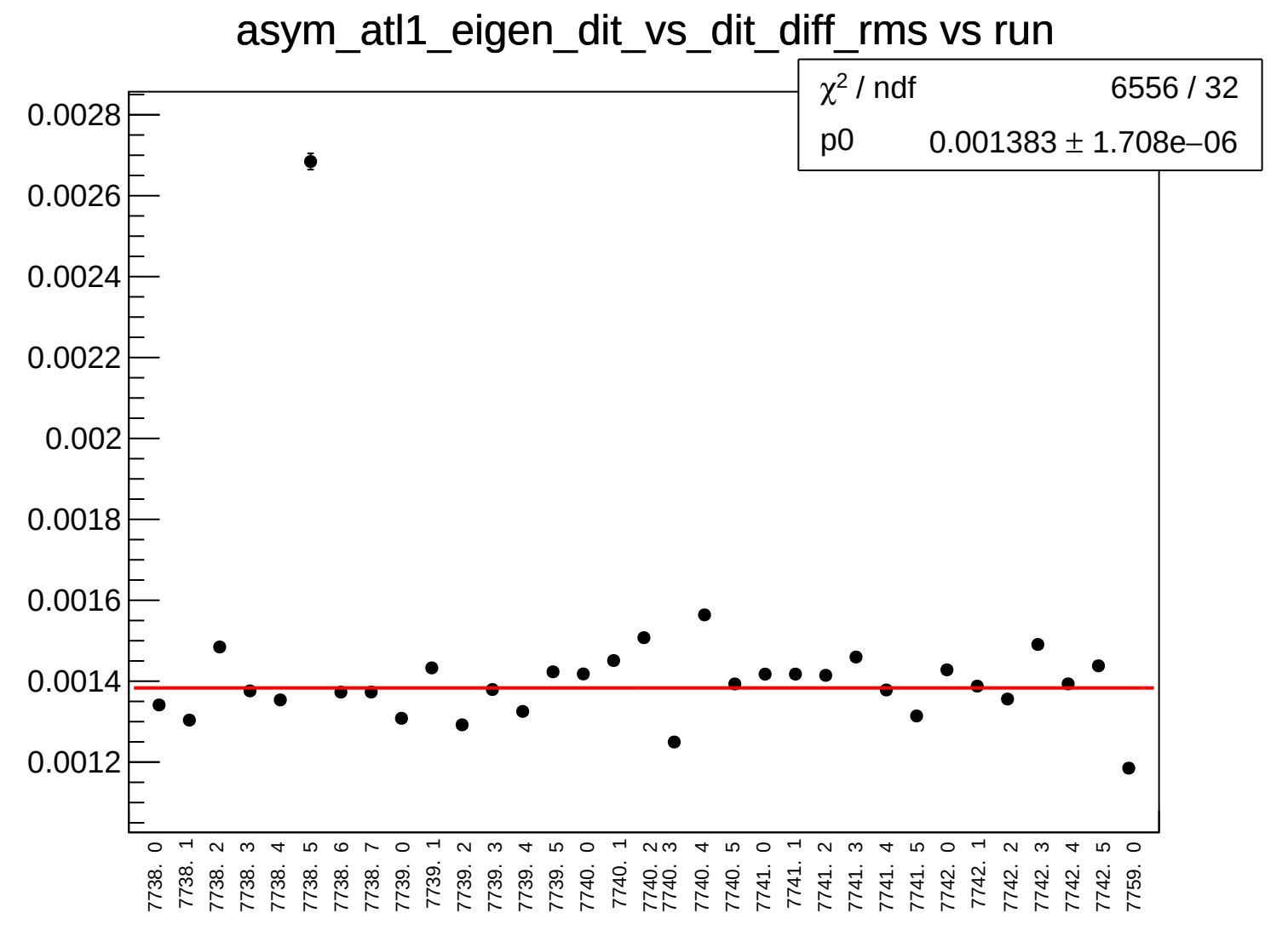

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 9.049e+04 / 32
p0 137.9 ± 0.1823
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

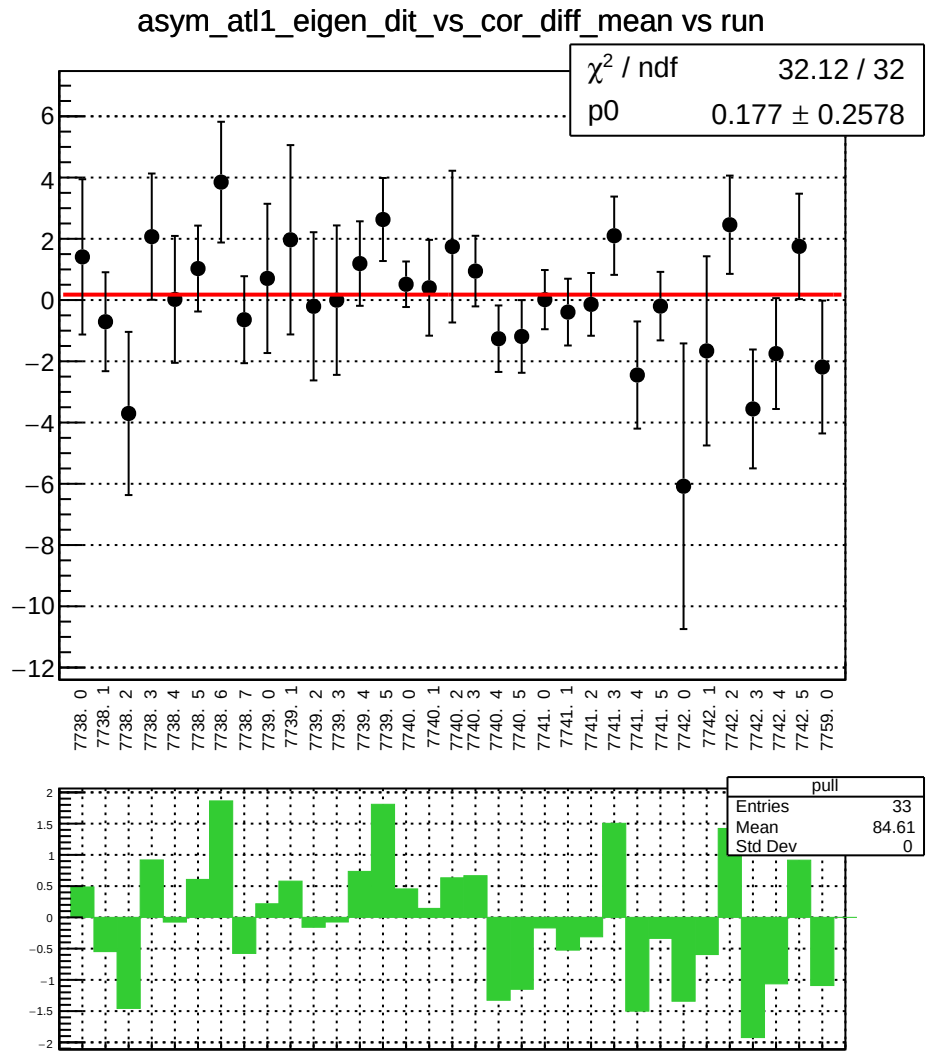

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.12 / 32
p0 0.177 ± 0.2578
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 84.61
Std Dev 0
pull1D
Entries 33
Mean −0.03818
Std Dev 0.9859

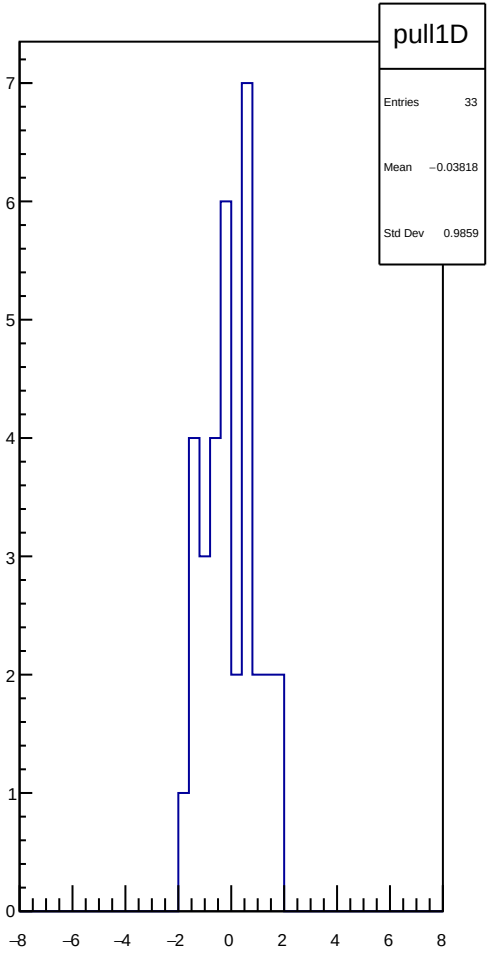

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.049e+04 / 32
p0 137.9 ± 0.1823
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

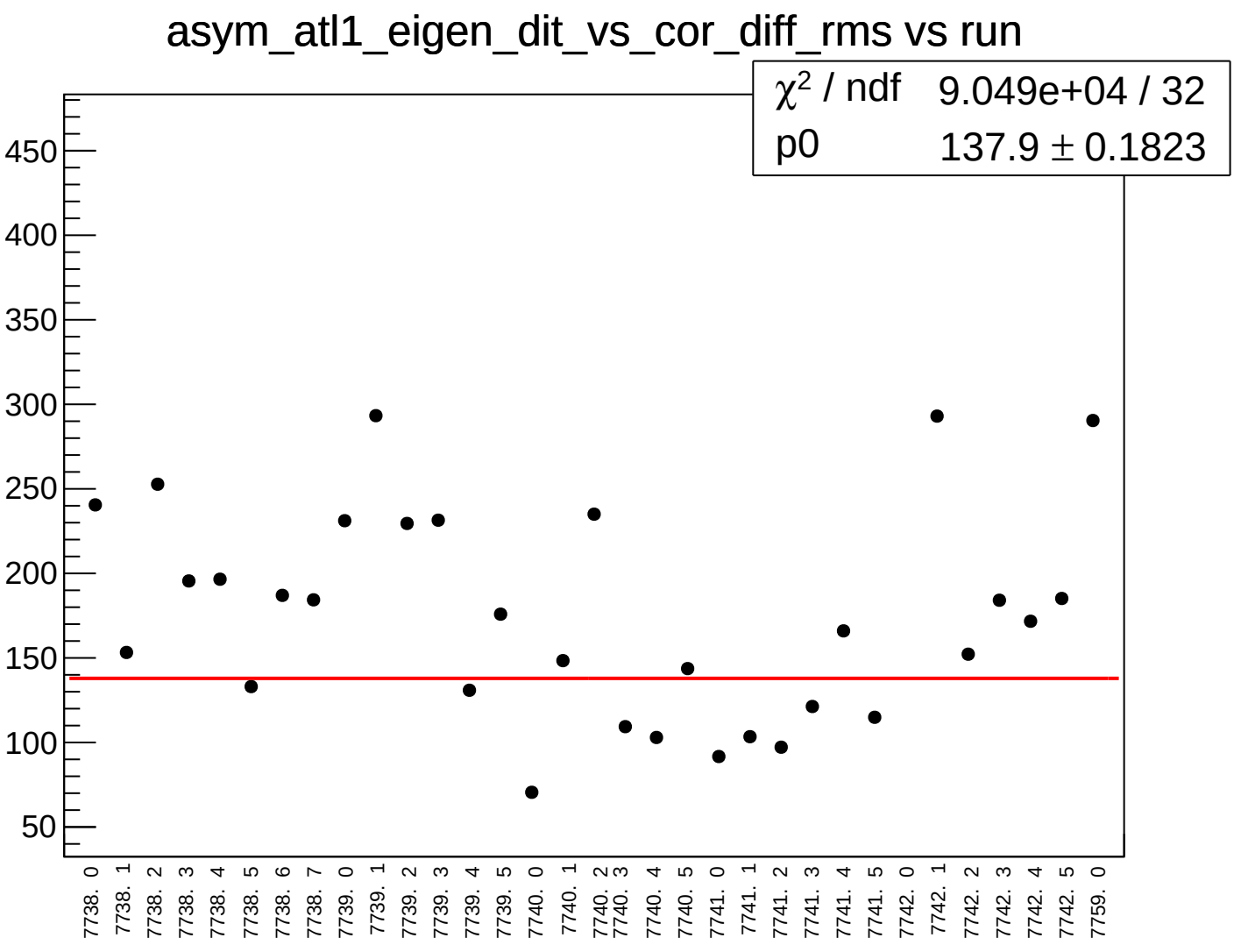

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 22.69 / 32
p0 1.792e−06 ± 2.415e−06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 54.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

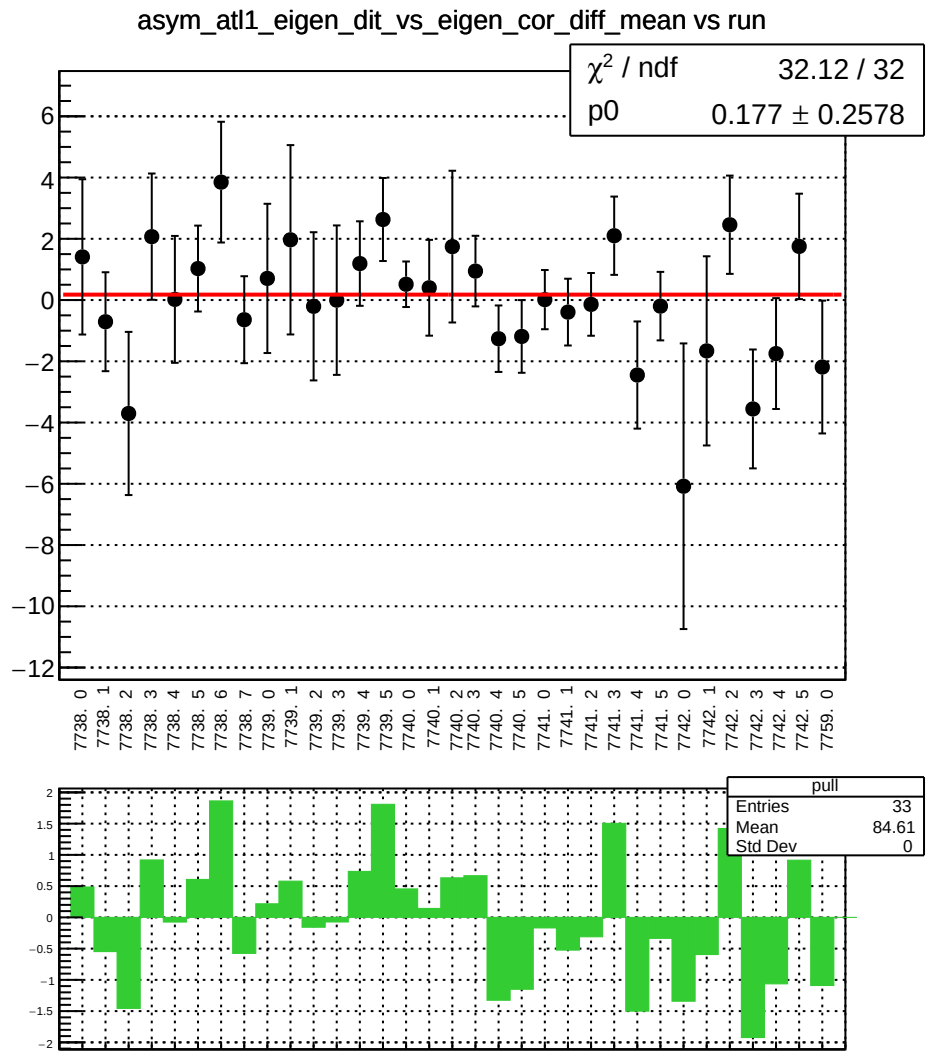

pull1D
Entries 33
Mean −0.04258
Std Dev 0.8281
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

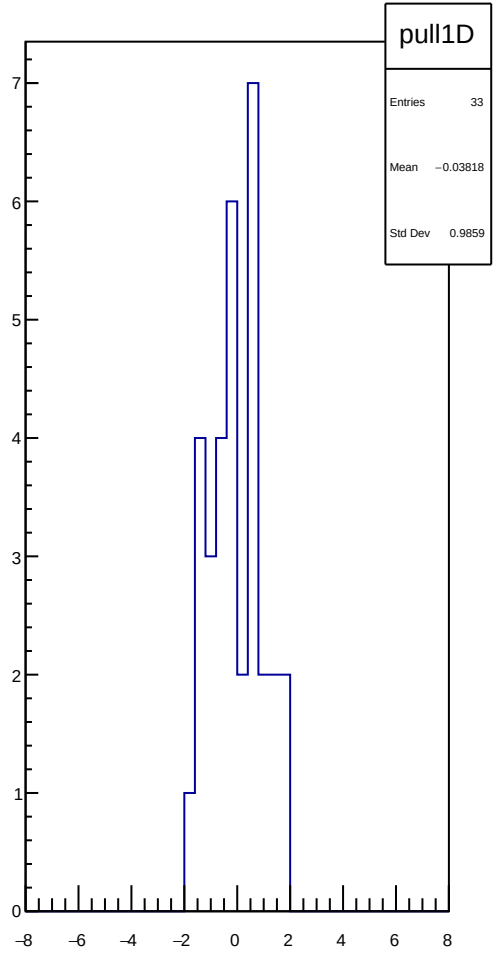

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6556 / 32
p0 0.001383 ± 1.708e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

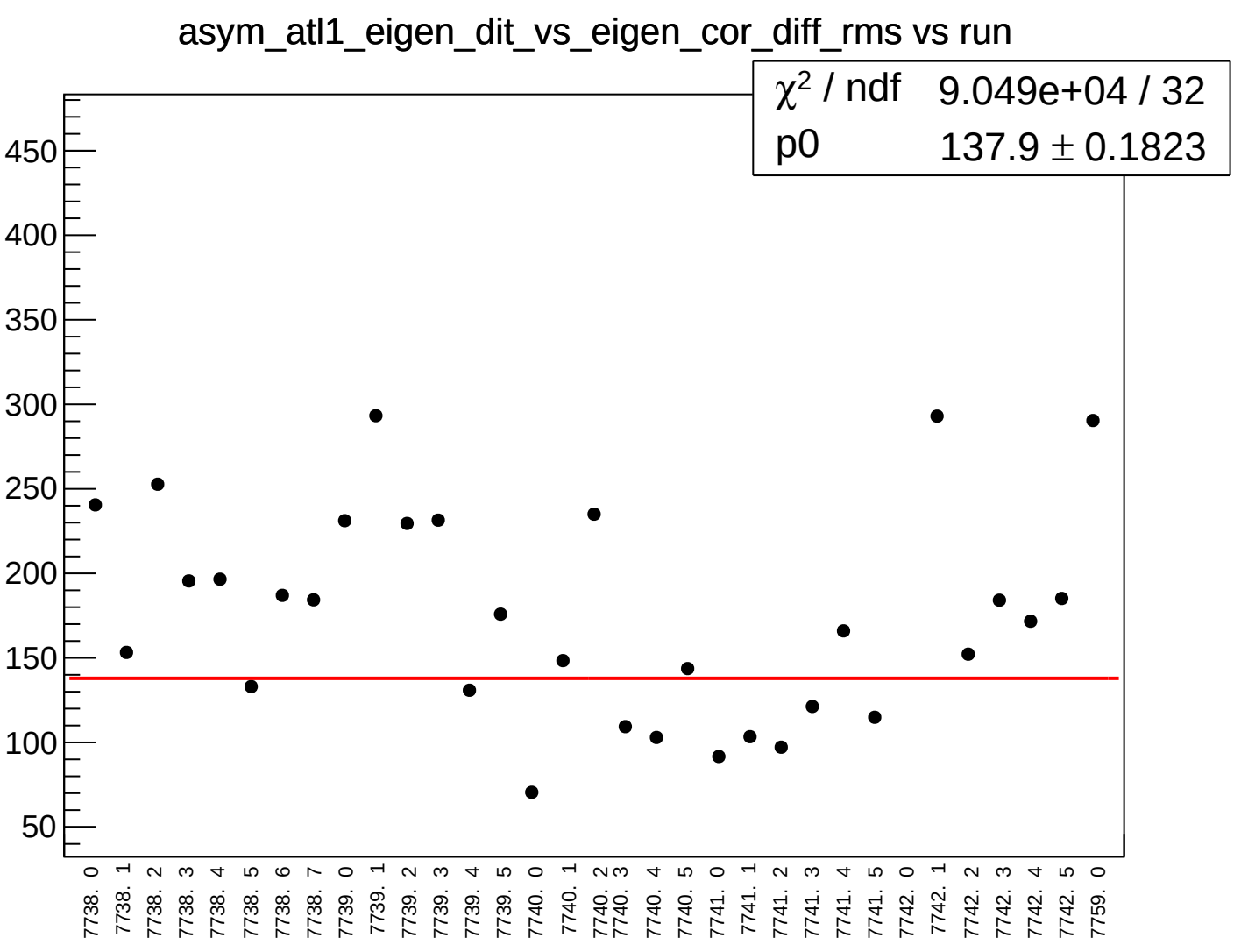

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 32.12 / 32
p0 0.177 ± 0.2578
pull
Entries 33
Mean 84.61
Std Dev 0

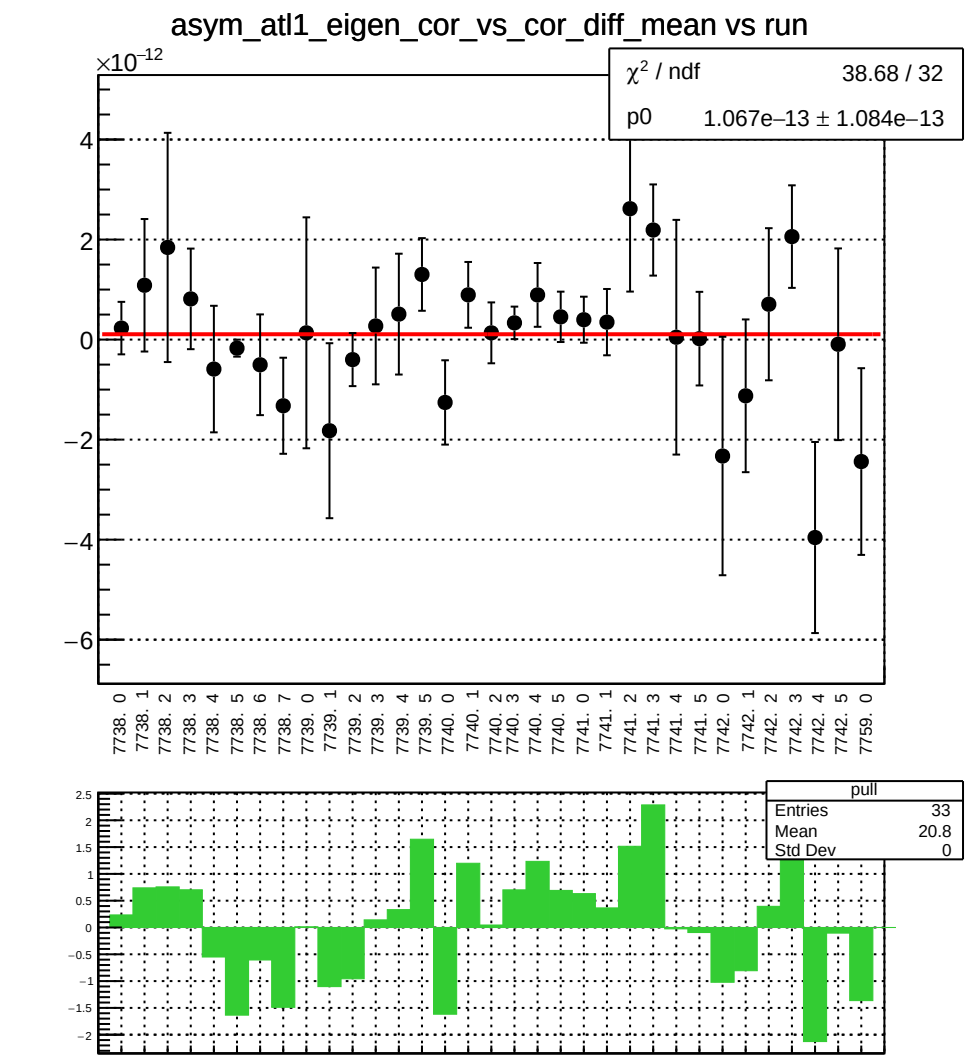

pull1D
Entries 33
Mean −0.03818
Std Dev 0.9859

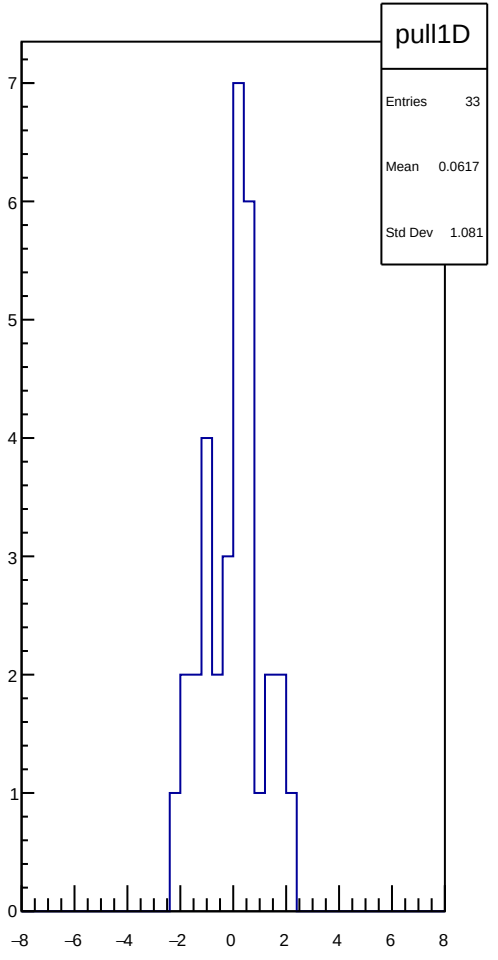

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.049e+04 / 32
p0 137.9 ± 0.1823
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

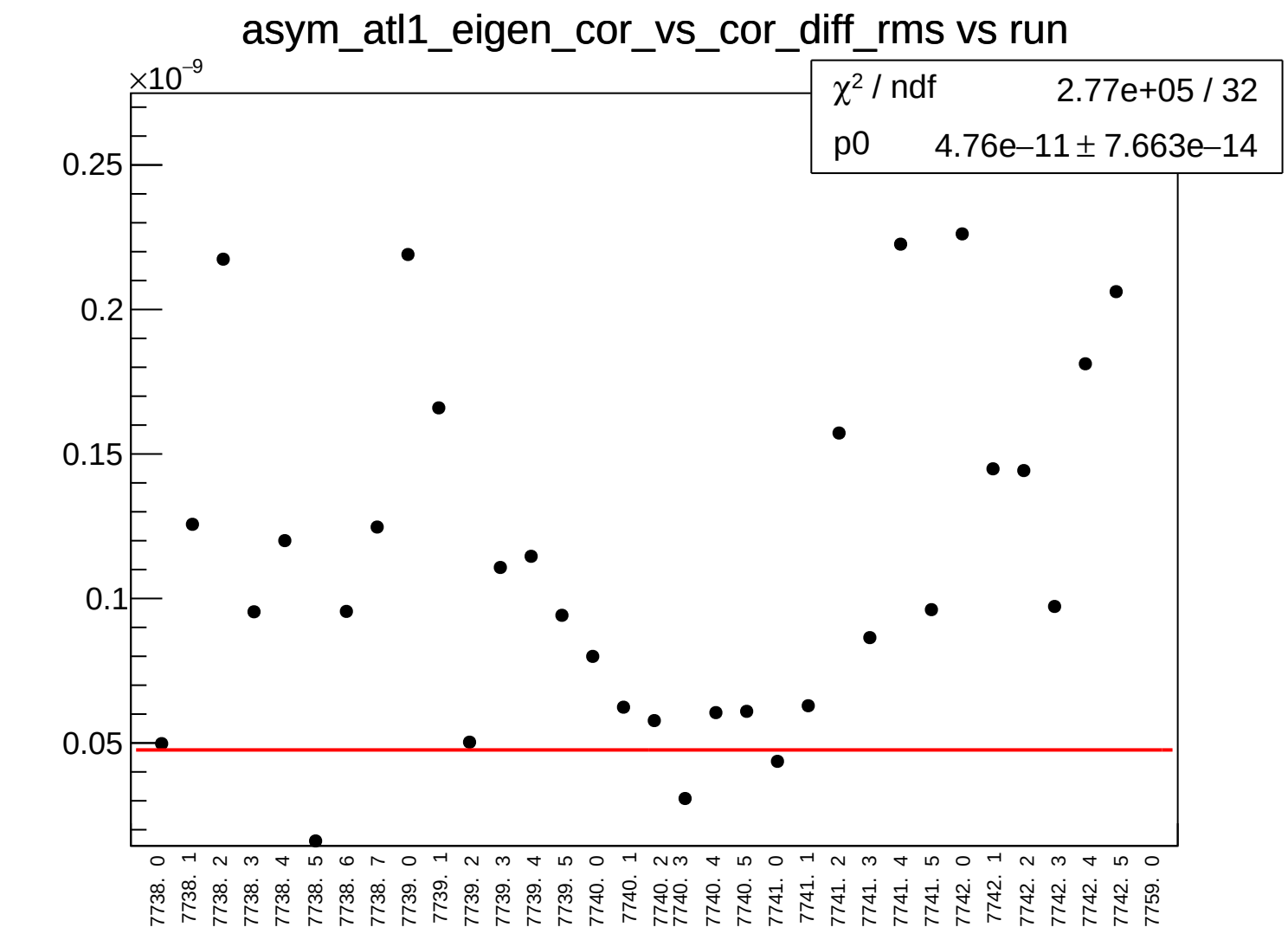

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.12 / 32
p0 0.177 ± 0.2578
pull
Entries 33
Mean 84.61
Std Dev 0

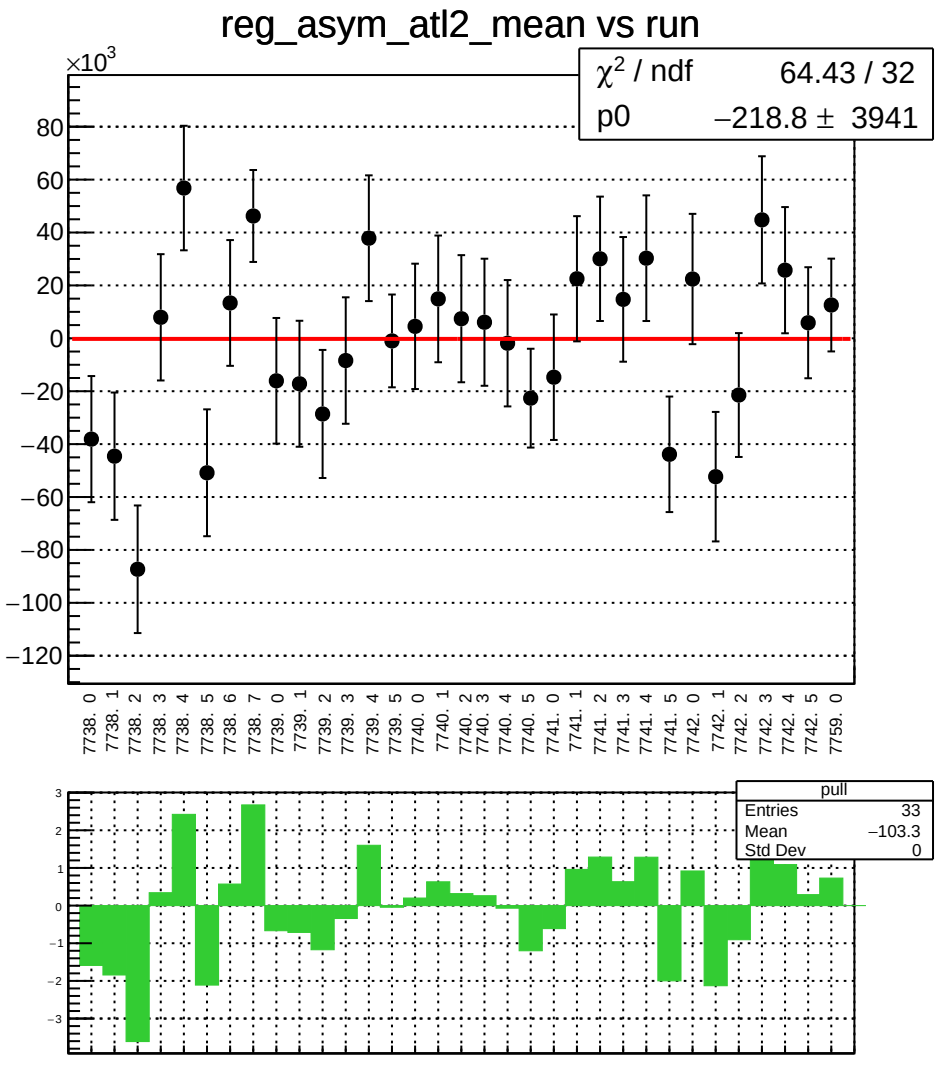

pull1D
Entries 33
Mean −0.03818
Std Dev 0.9859

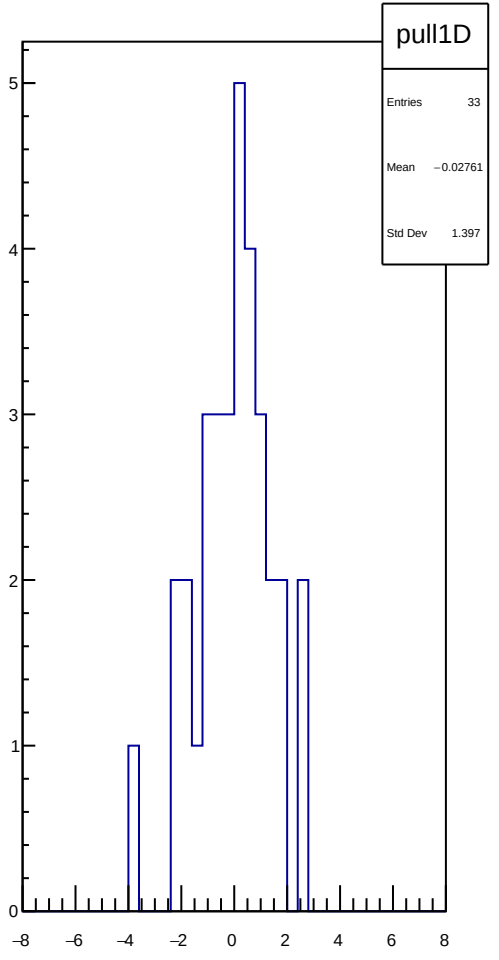

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.049e+04 / 32
p0 137.9 ± 0.1823
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

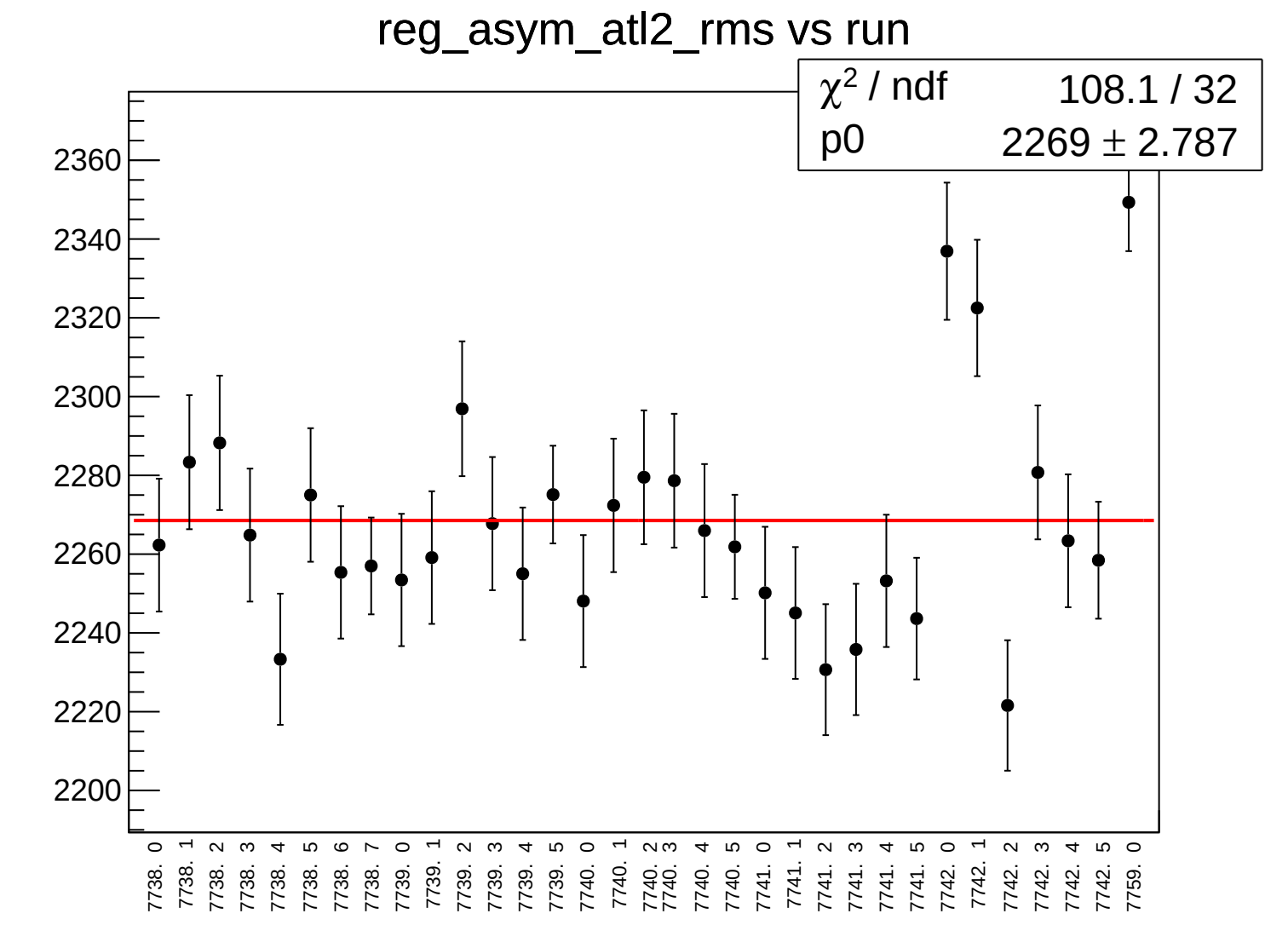

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.68 / 32
p0 1.067e−13 ± 1.084e−13
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

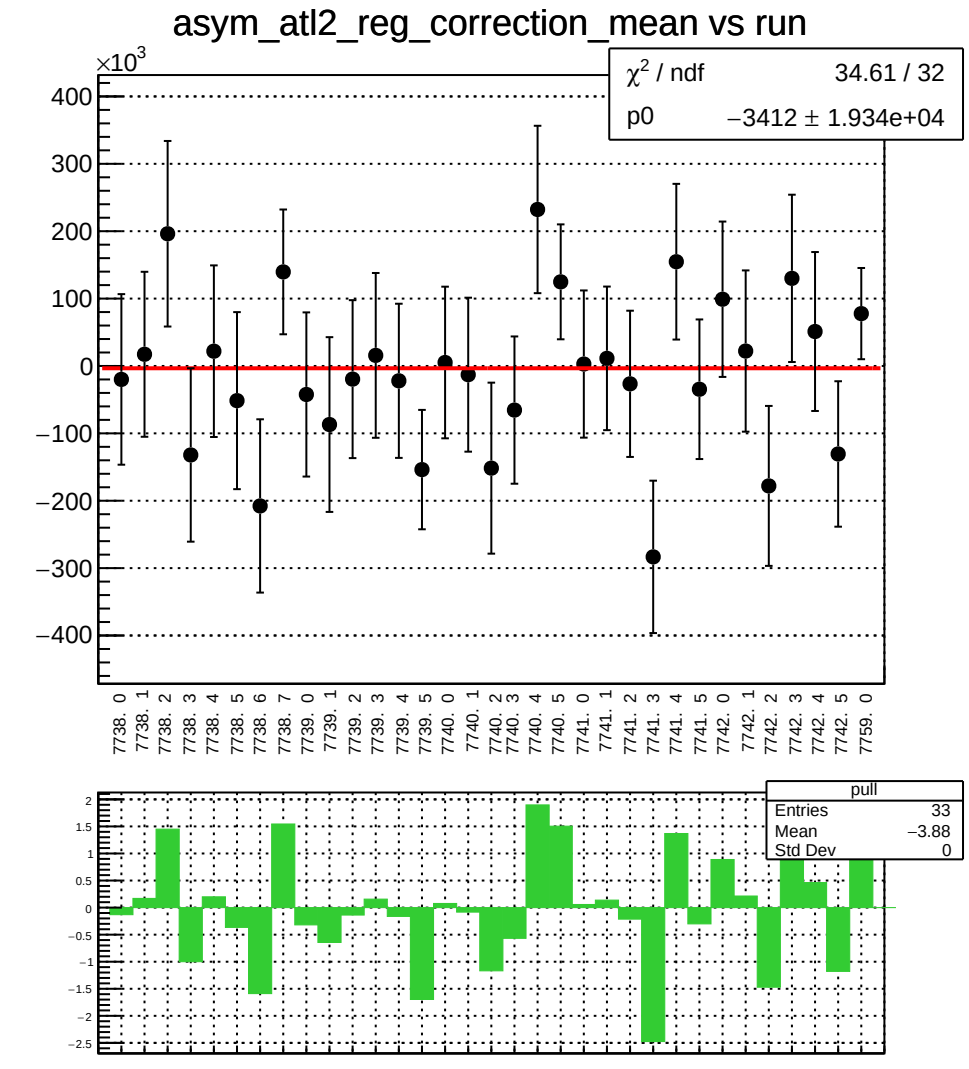

pull1D
Entries 33
Mean 0.0617
Std Dev 1.081
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

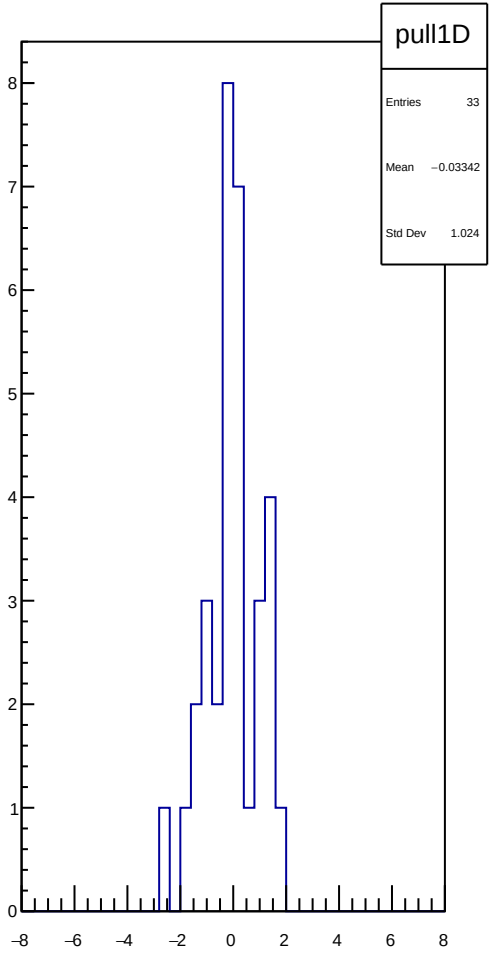

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.77e+05 / 32
p0 4.76e−11 ± 7.663e−14
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

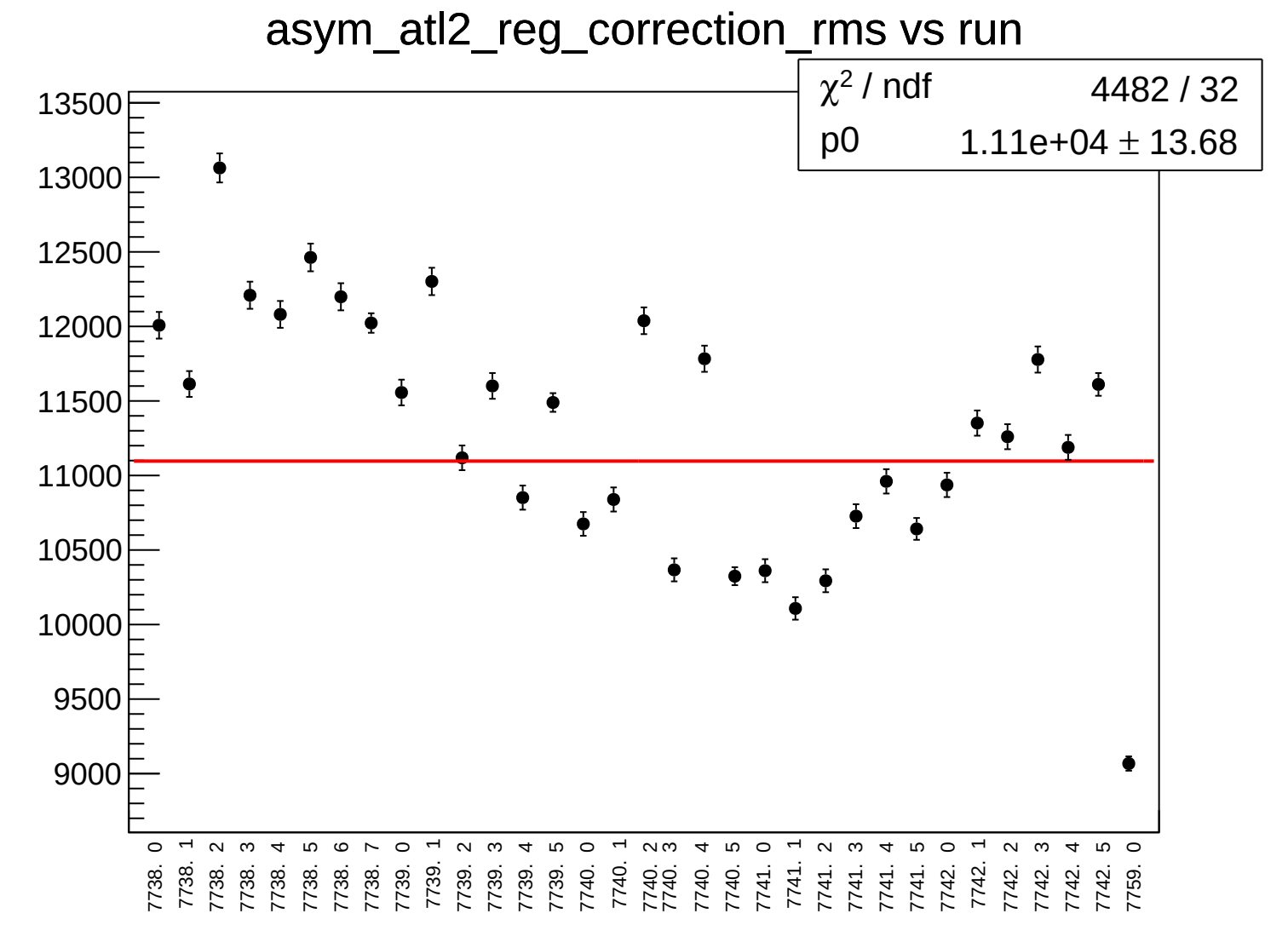

reg_asym_atl2_mean vs run
×10^3
χ^2 / ndf 64.43 / 32
p0 −218.8 ± 3941
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −103.3
Std Dev 0
3
2
1
0
−1
−2
−3

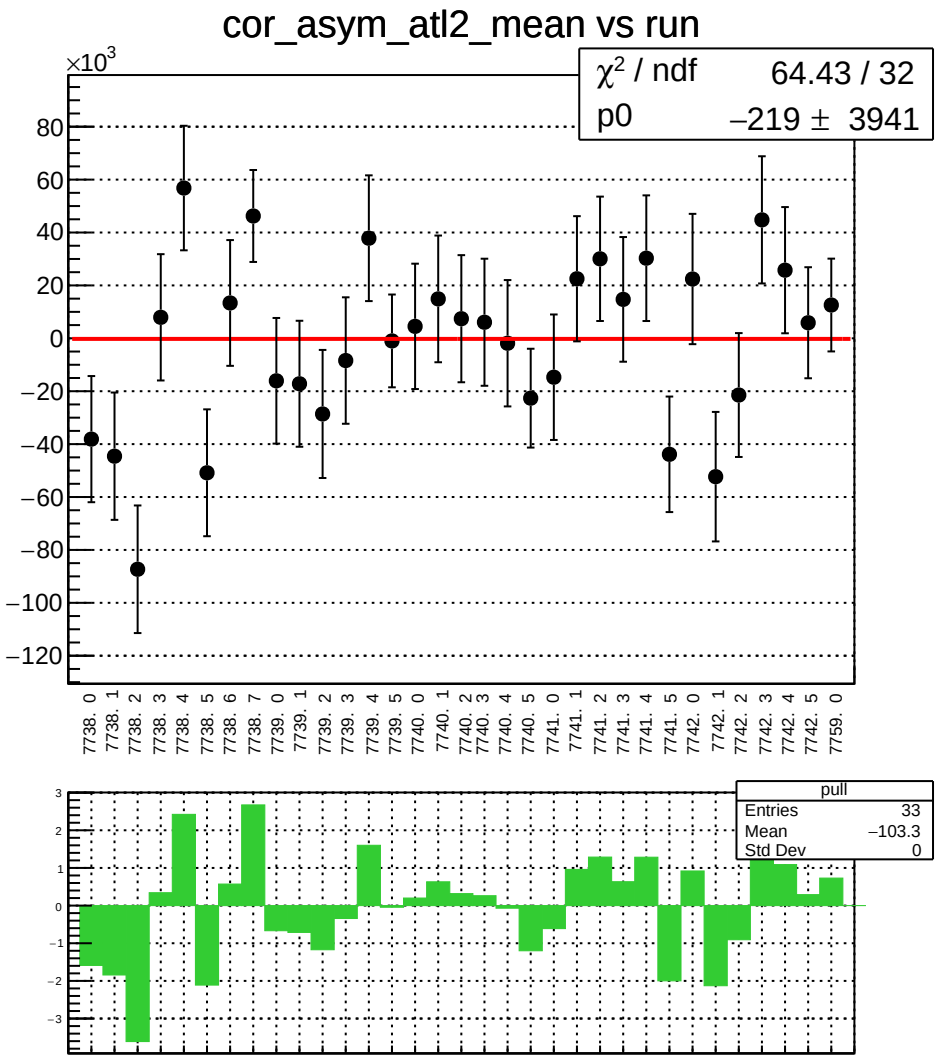

pull1D
Entries 33
Mean −0.02761
Std Dev 1.397
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

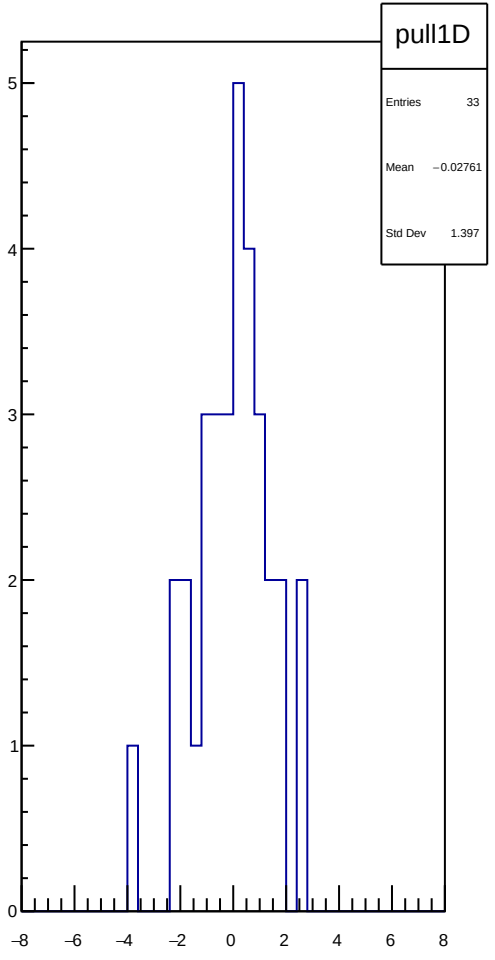

reg_asym_atl2_rms vs run
χ² / ndf 108.1 / 32
p0 2269 ± 2.787
2360
2340
2320
2300
2280
2260
2240
2220
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

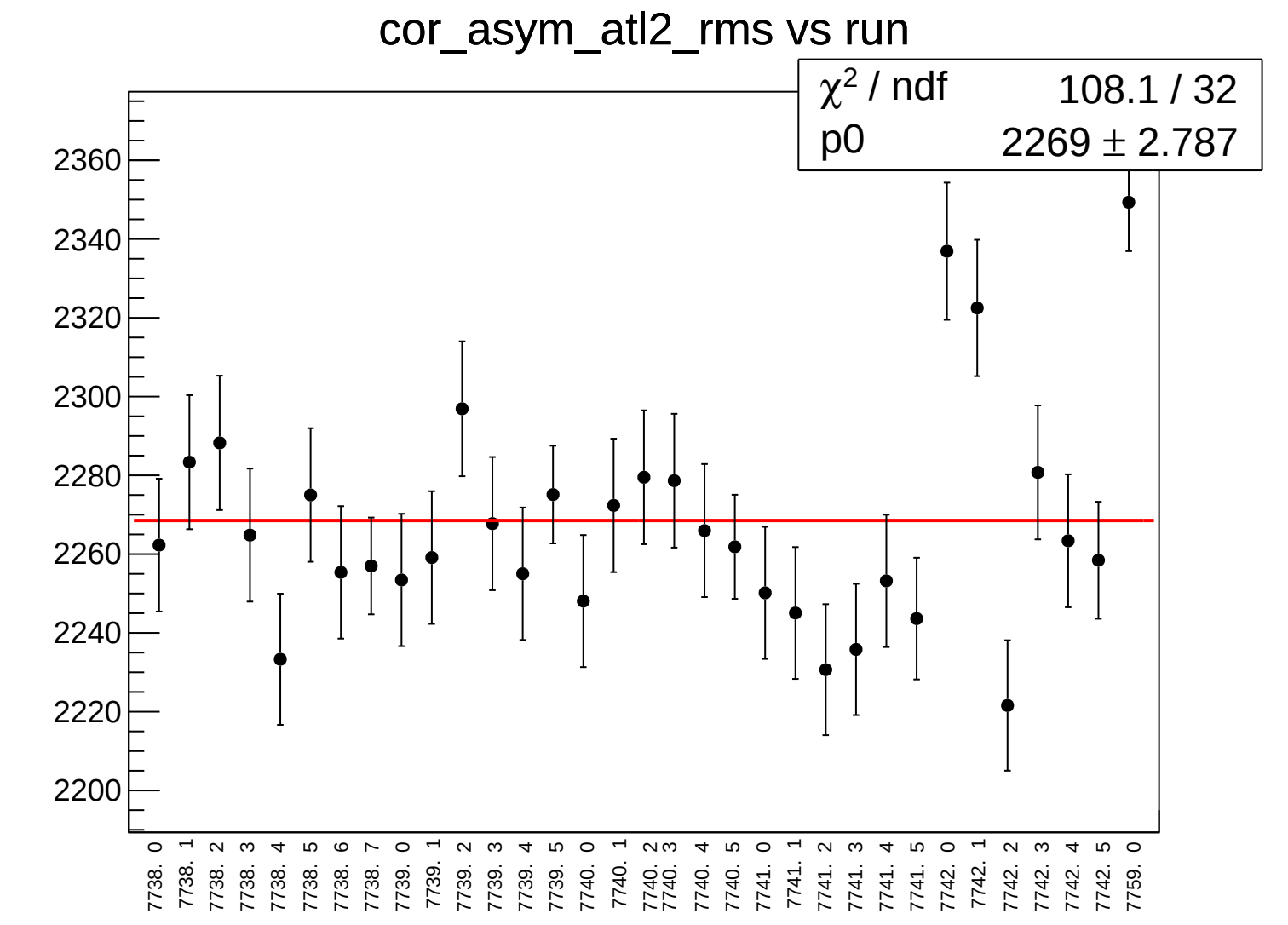

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 34.61 / 32
p0 −3412 ± 1.934e+04
400
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

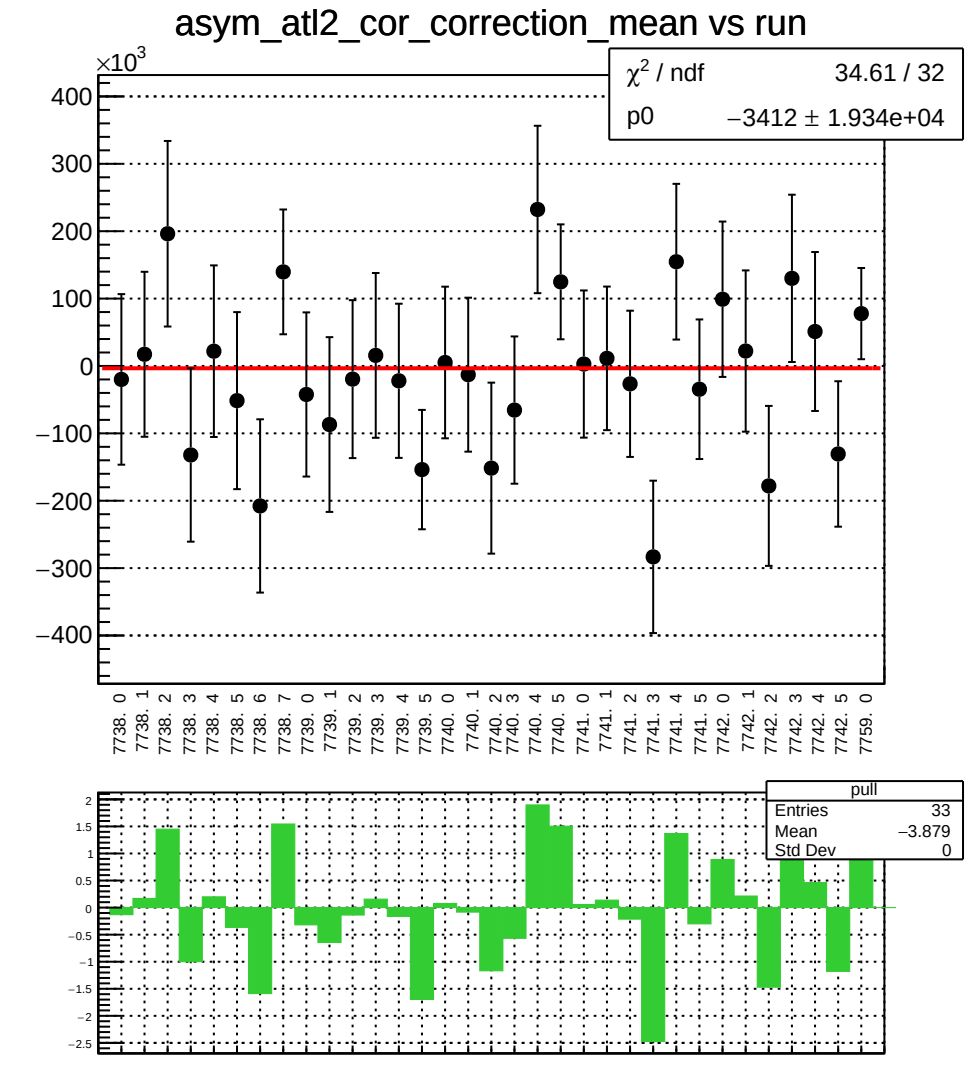

pull1D
Entries 33
Mean −0.03342
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

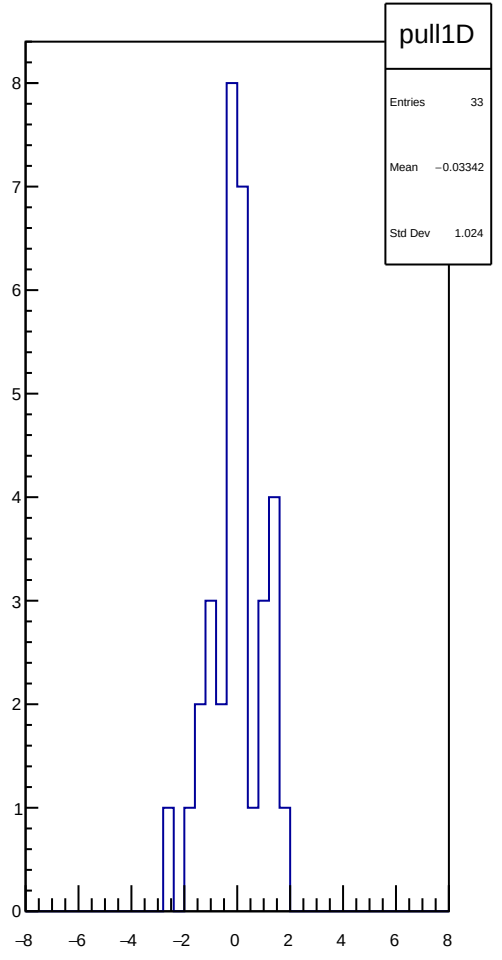

asym_atl2_reg_correction_rms vs run
χ² / ndf 4482 / 32
p0 1.11e+04 ± 13.68
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

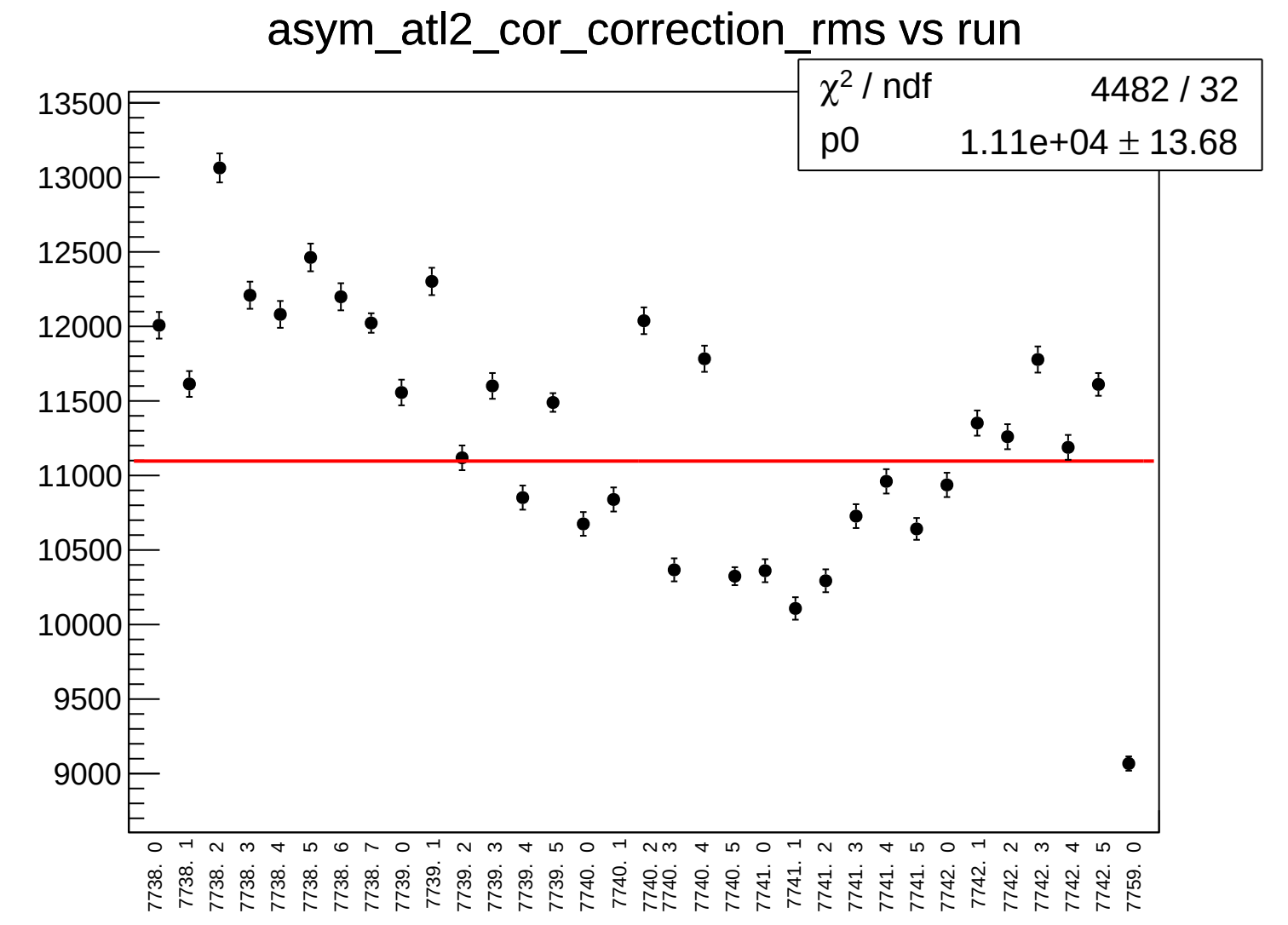

cor_asym_atl2_mean vs run
χ² / ndf 64.43 / 32
p0 −219 ± 3941
×10³
pull
Entries 33
Mean −103.3
Std Dev 0

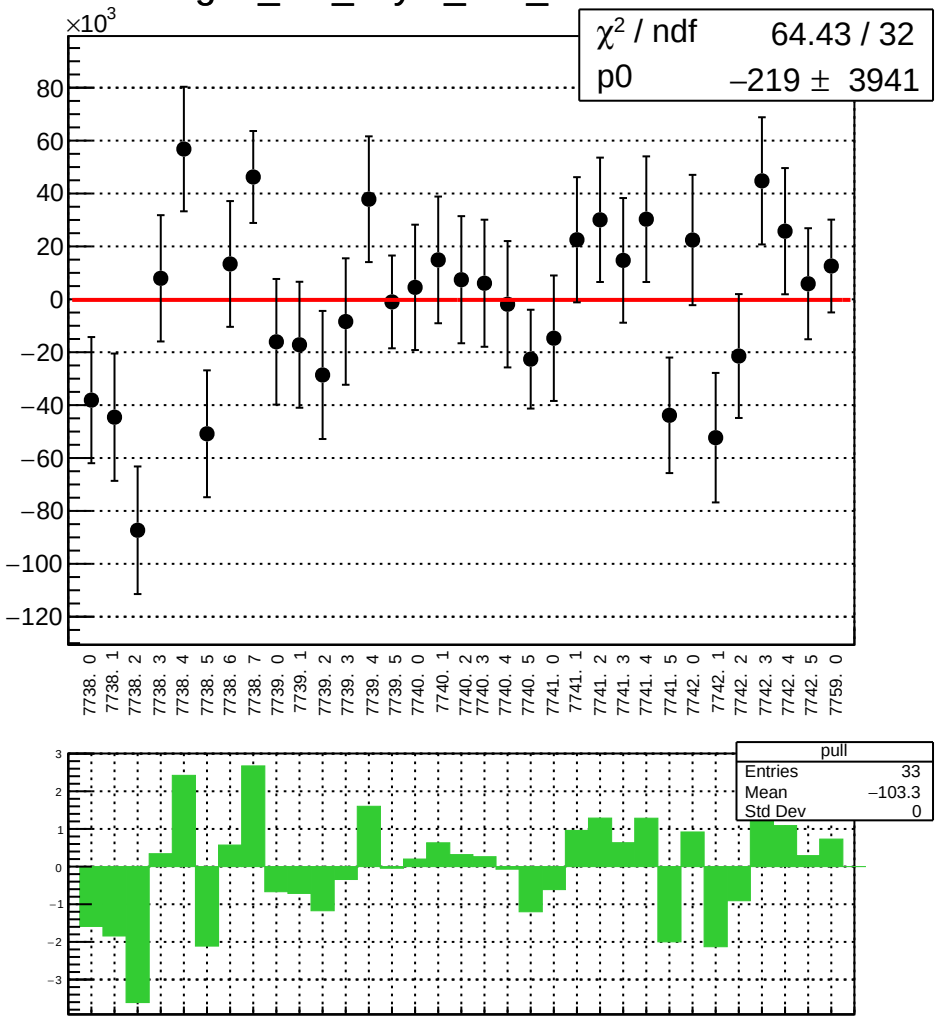

pull1D
Entries 33
Mean −0.02761
Std Dev 1.397

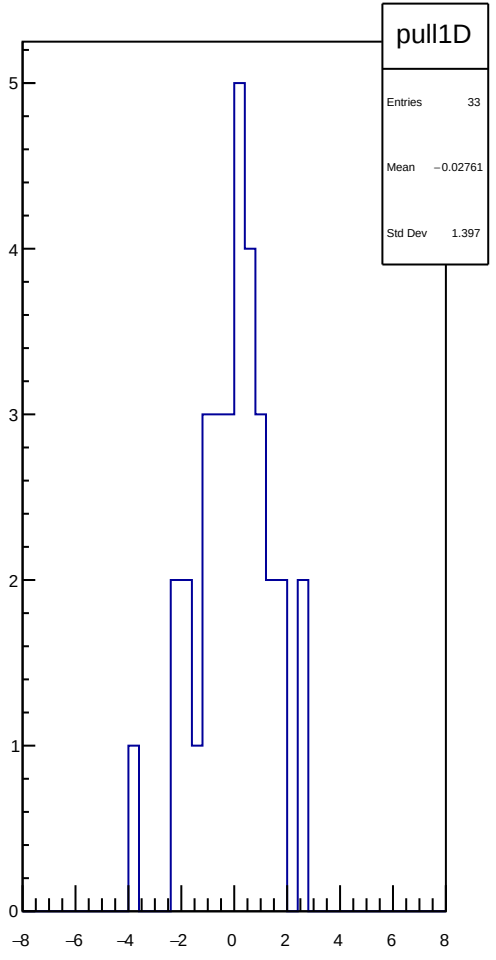

cor_asym_atl2_rms vs run
χ² / ndf 108.1 / 32
p0 2269 ± 2.787
2360
2340
2320
2300
2280
2260
2240
2220
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

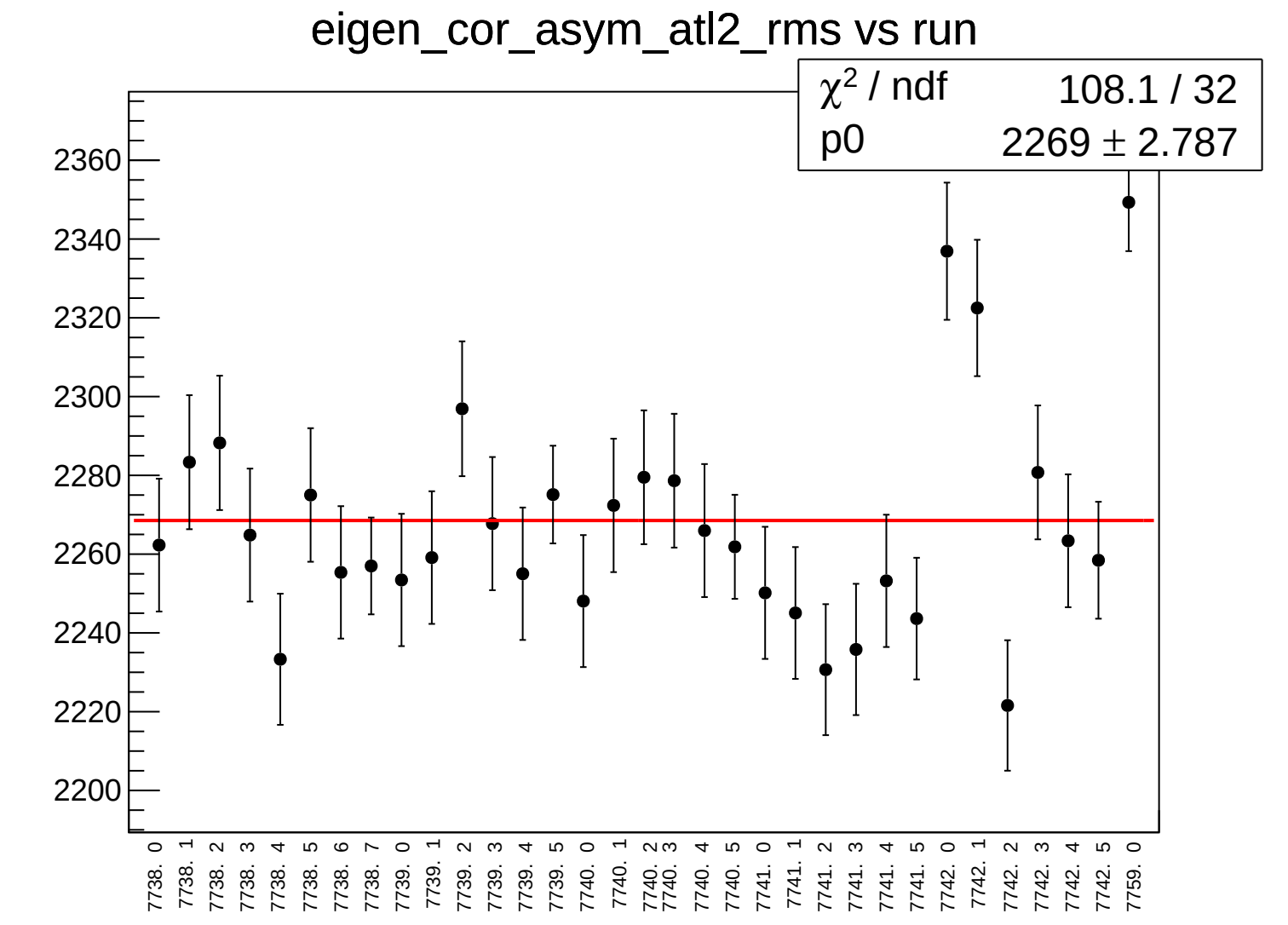

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 34.61 / 32
p0 −3412 ± 1.934e+04
pull
Entries 33
Mean −3.879
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

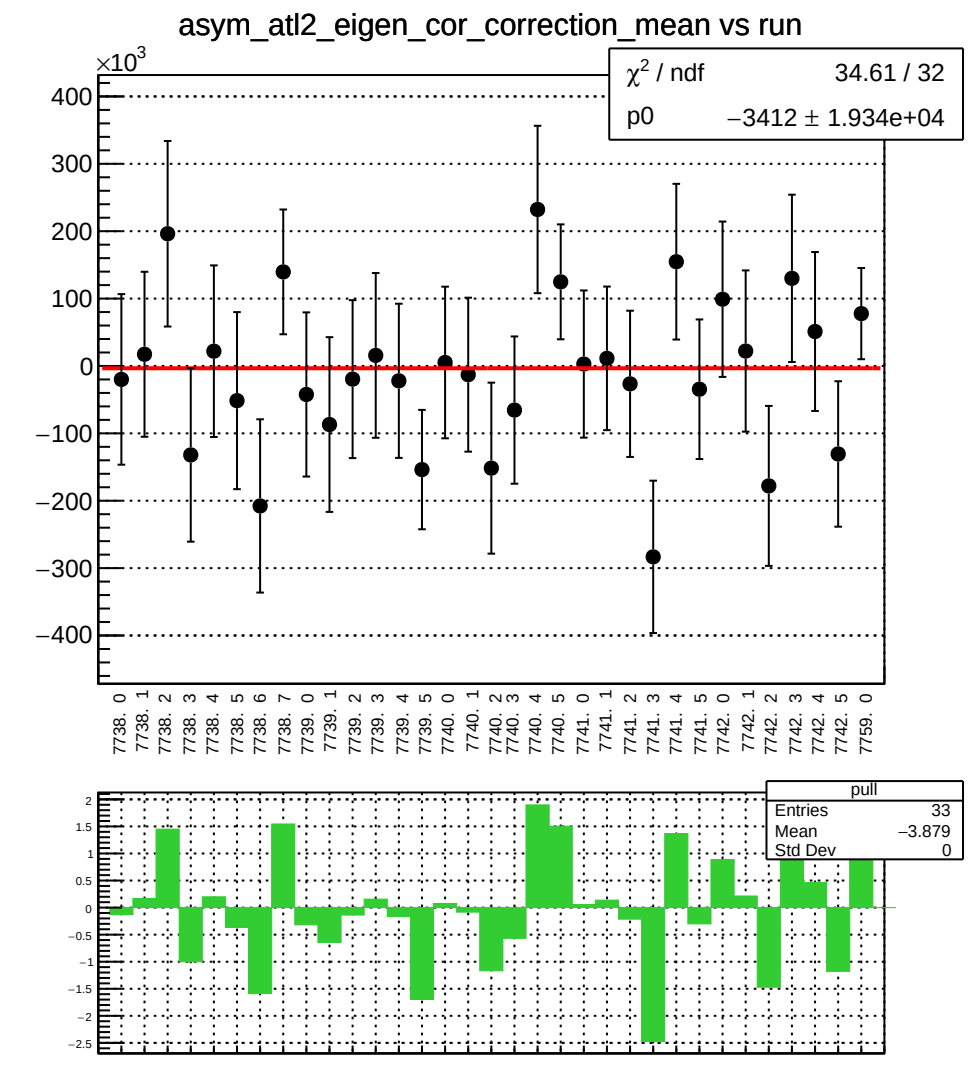

pull1D
Entries 33
Mean −0.03342
Std Dev 1.024

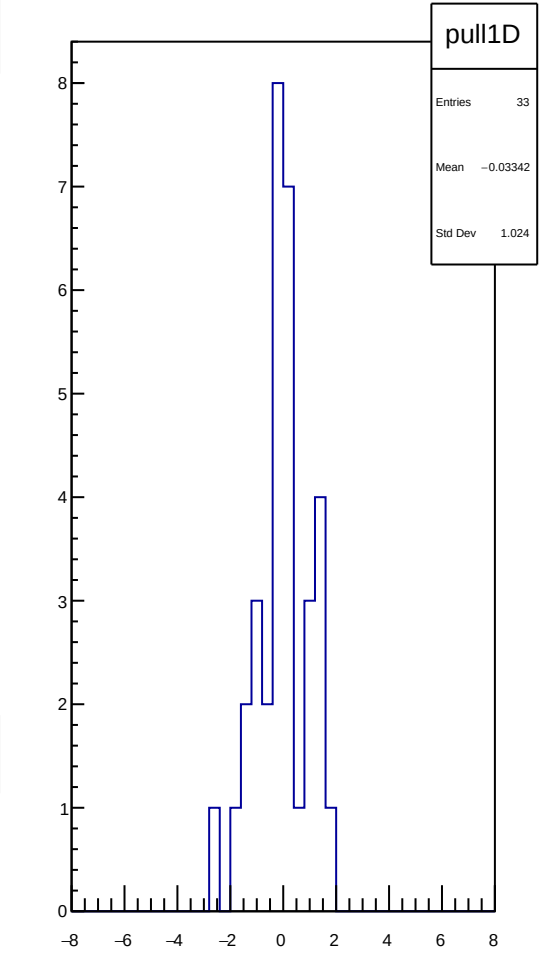

asym_atl2_cor_correction_rms vs run
χ² / ndf 4482 / 32
p0 1.11e+04 ± 13.68
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

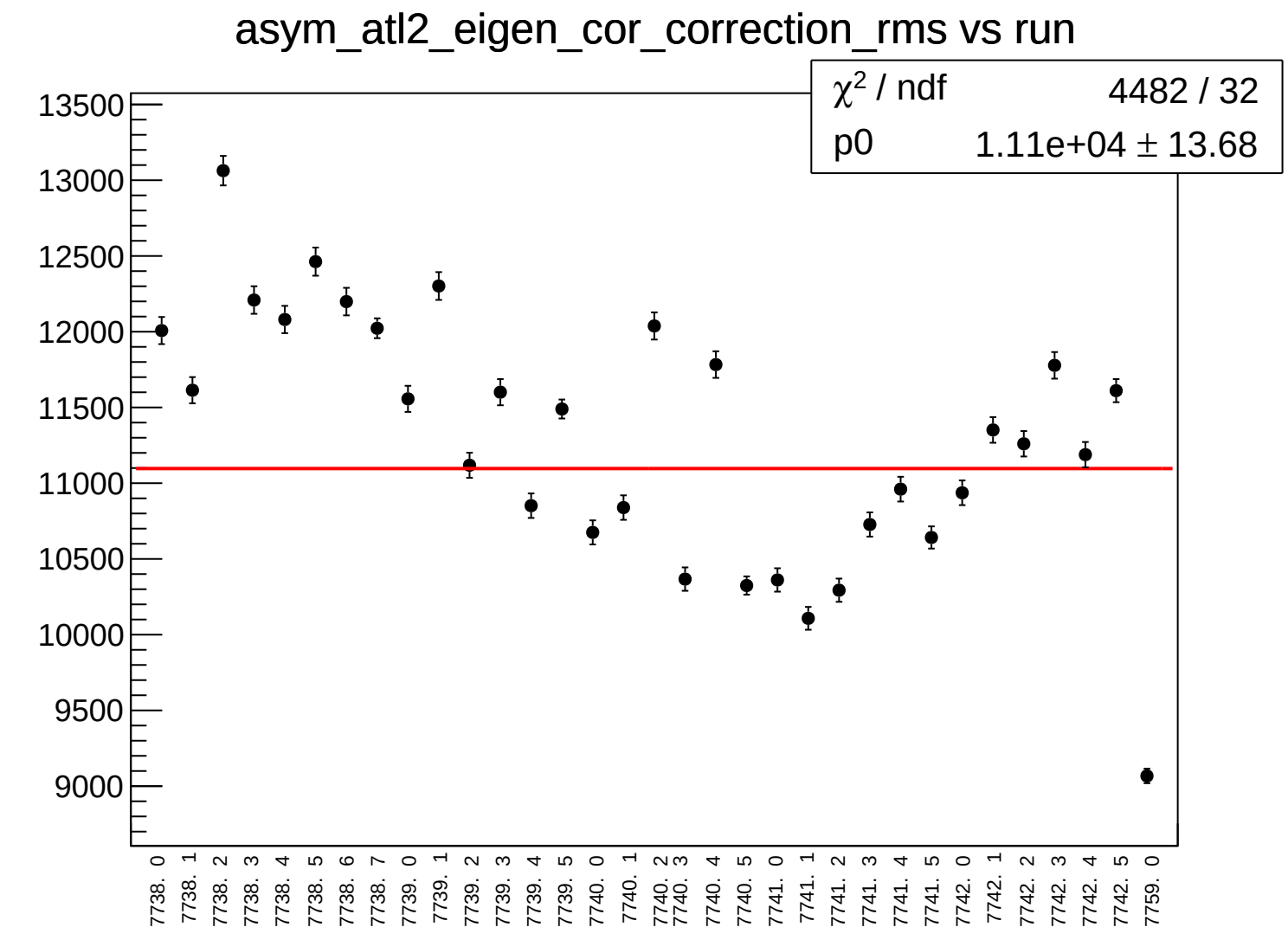

eigen_cor_asym_atl2_mean vs run
χ² / ndf 64.43 / 32
p0 −219 ± 3941
×10³
pull
Entries 33
Mean −103.3
Std Dev 0

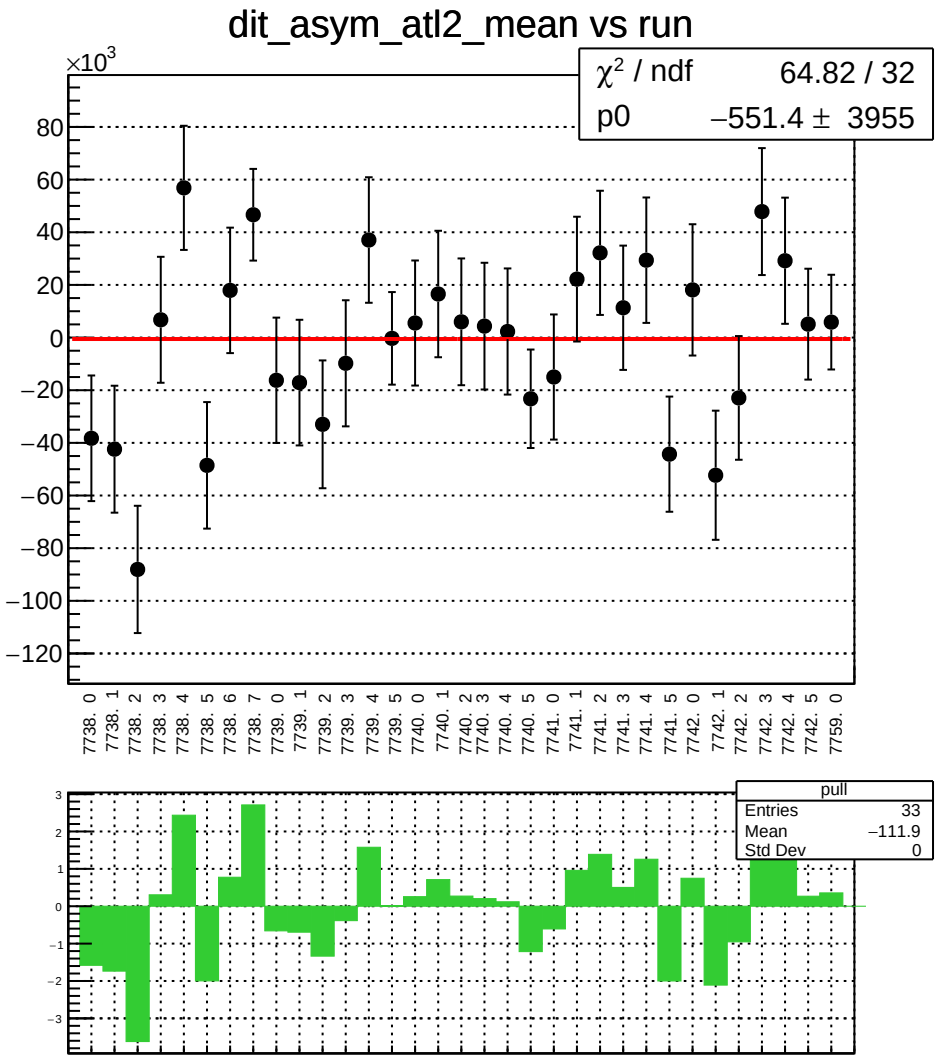

pull1D
Entries 33
Mean −0.02761
Std Dev 1.397

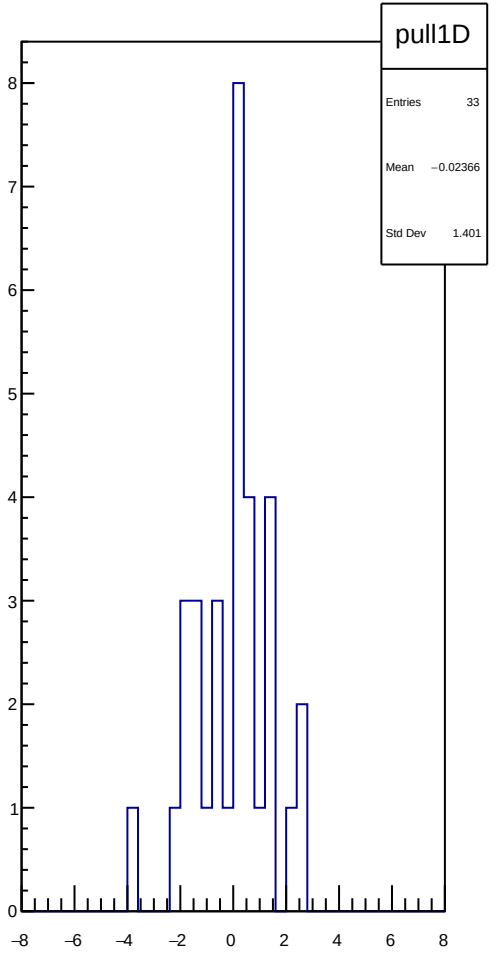

eigen_cor_asym_atl2_rms vs run
χ^2 / ndf 108.1 / 32
p0 2269 ± 2.787
2360
2340
2320
2300
2280
2260
2240
2220
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

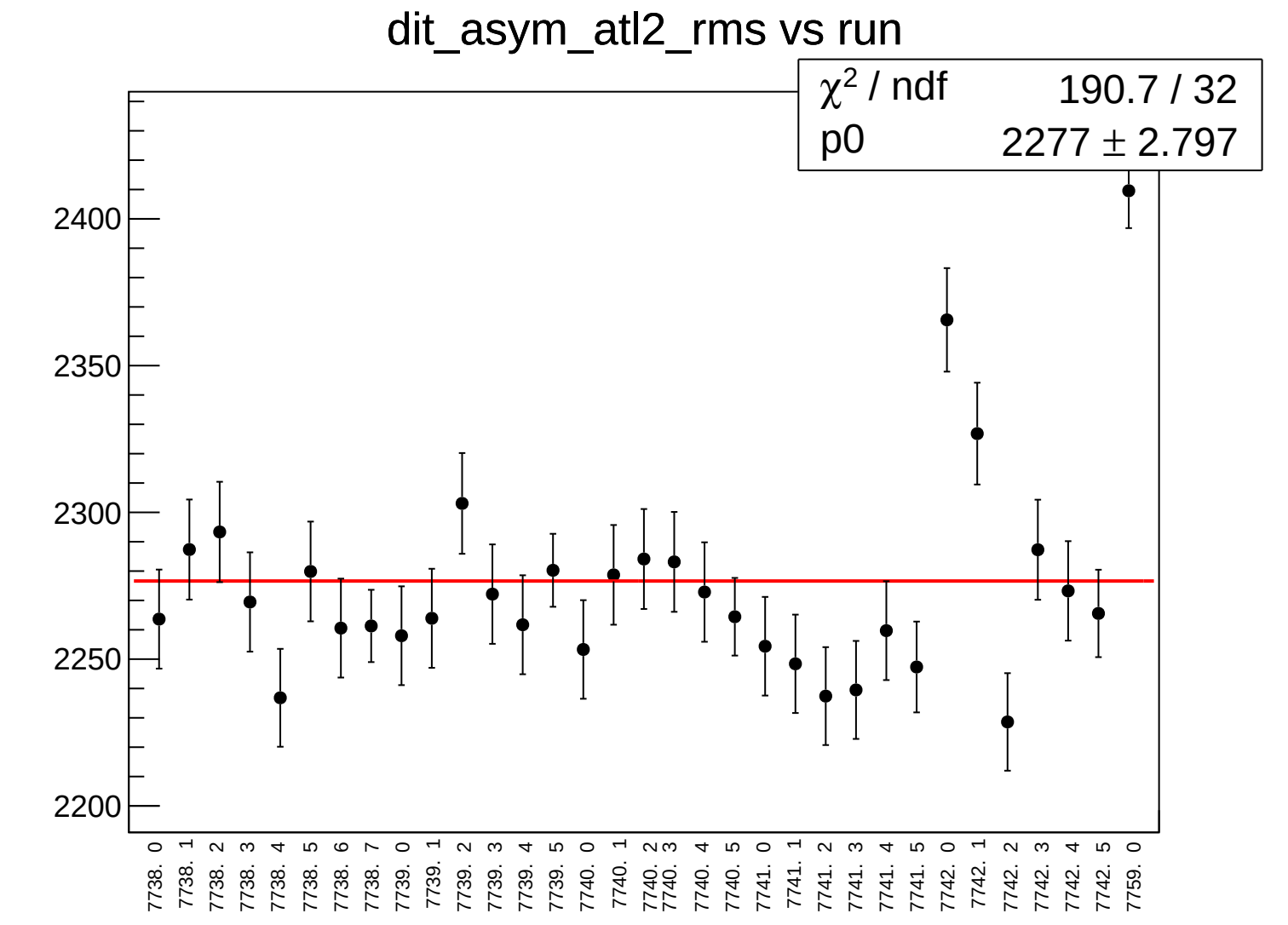

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.61 / 32
p0 −3412 ± 1.934e+04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.879
Std Dev 0

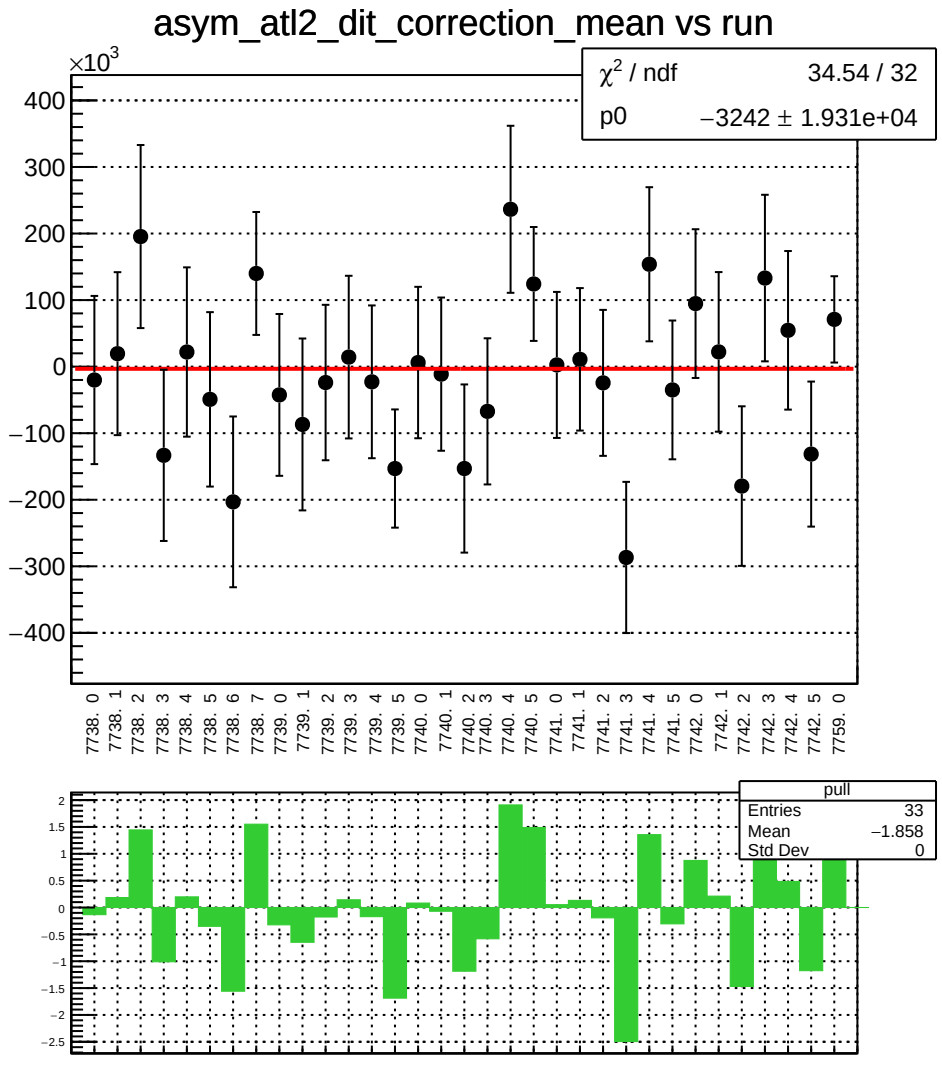

pull1D
Entries 33
Mean −0.03342
Std Dev 1.024

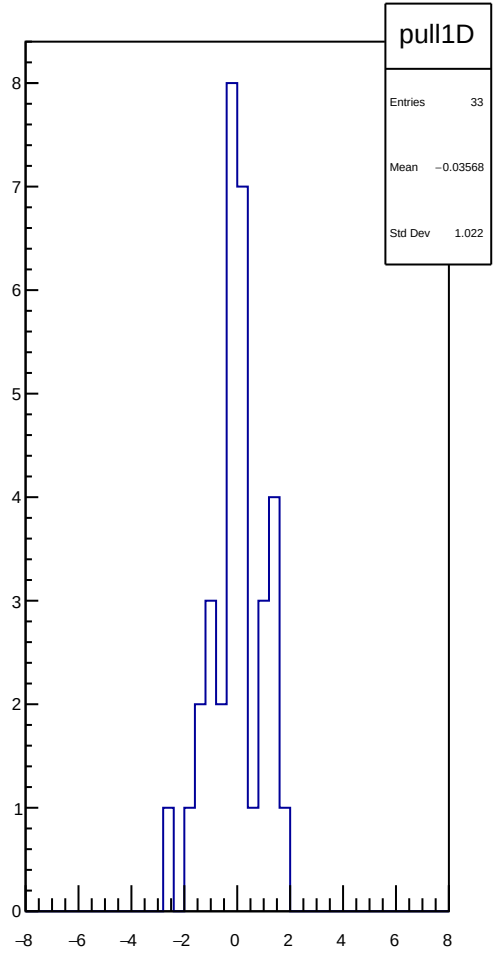

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 4482 / 32
p0 1.11e+04 ± 13.68
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

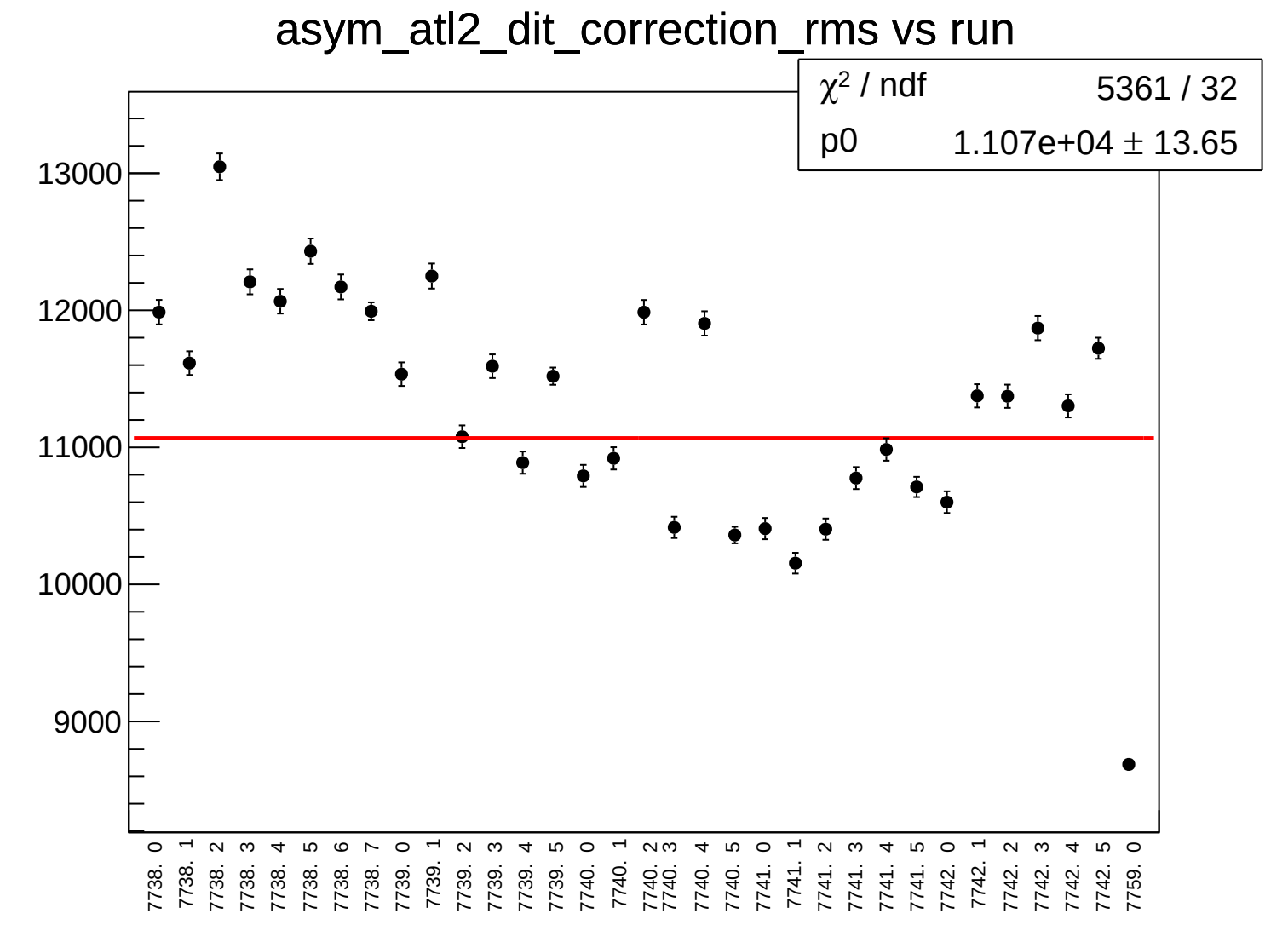

dit_asym_atl2_mean vs run
χ² / ndf 64.82 / 32
p0 −551.4 ± 3955
×10³
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −111.9
Std Dev 0
3
2
1
0
−1
−2
−3

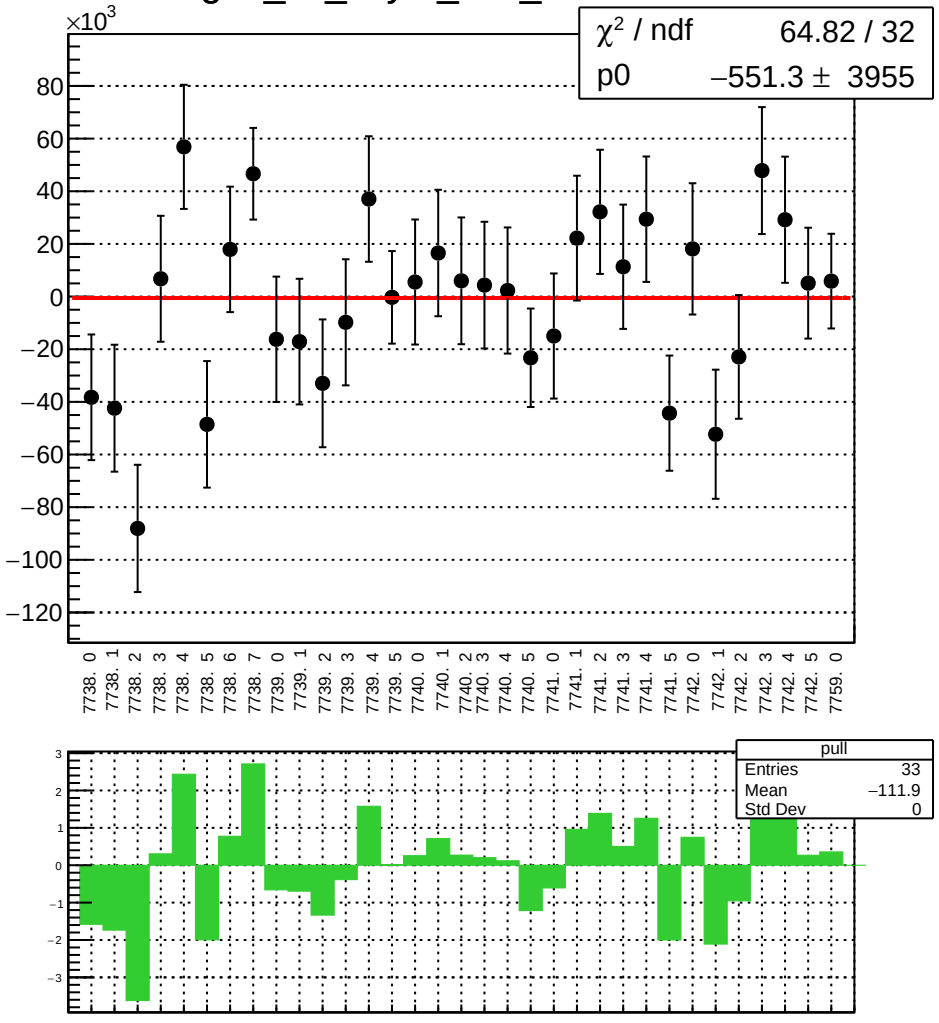

pull1D
Entries 33
Mean −0.02366
Std Dev 1.401
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

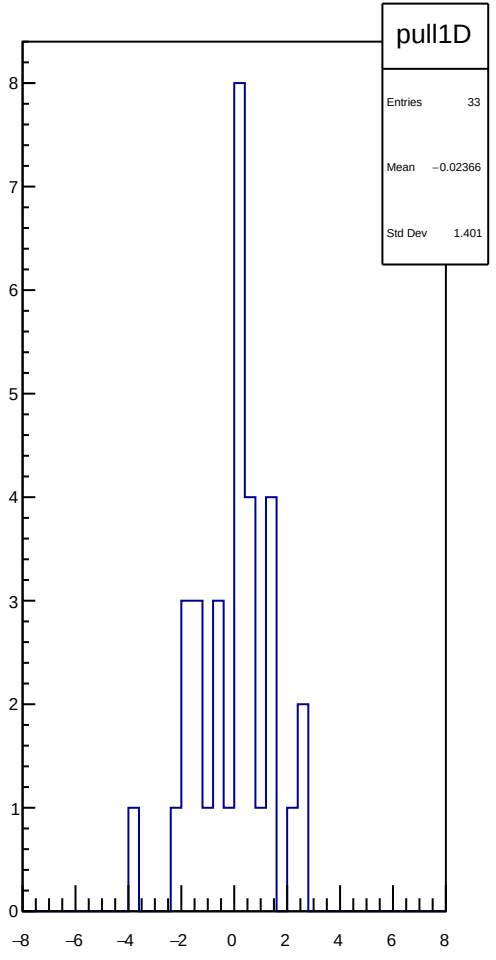

dit_asym_atl2_rms vs run
χ² / ndf 190.7 / 32
p0 2277 ± 2.797
2400
2350
2300
2250
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

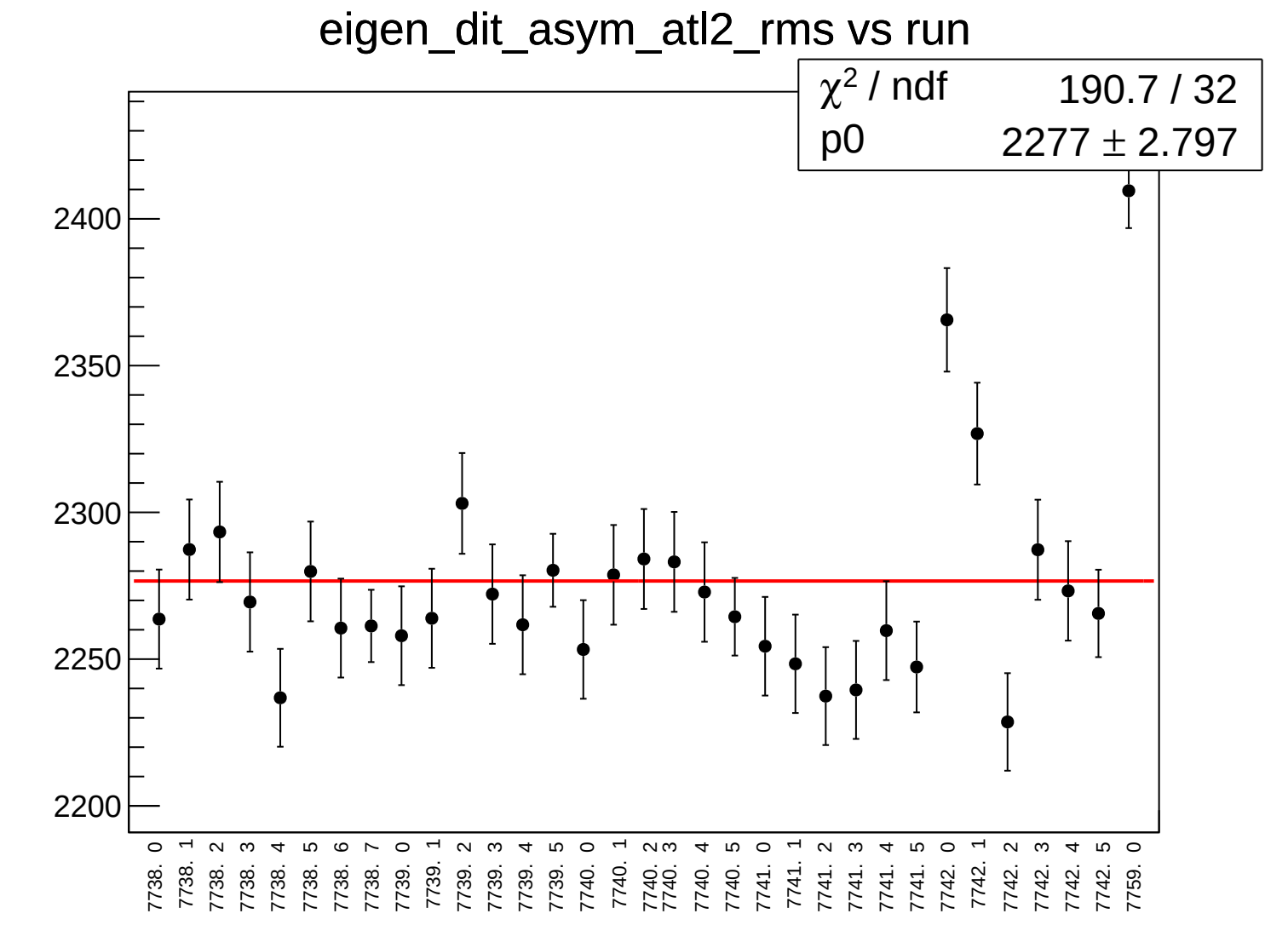

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 34.54 / 32
p0 −3242 ± 1.931e+04
pull
Entries 33
Mean −1.858
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

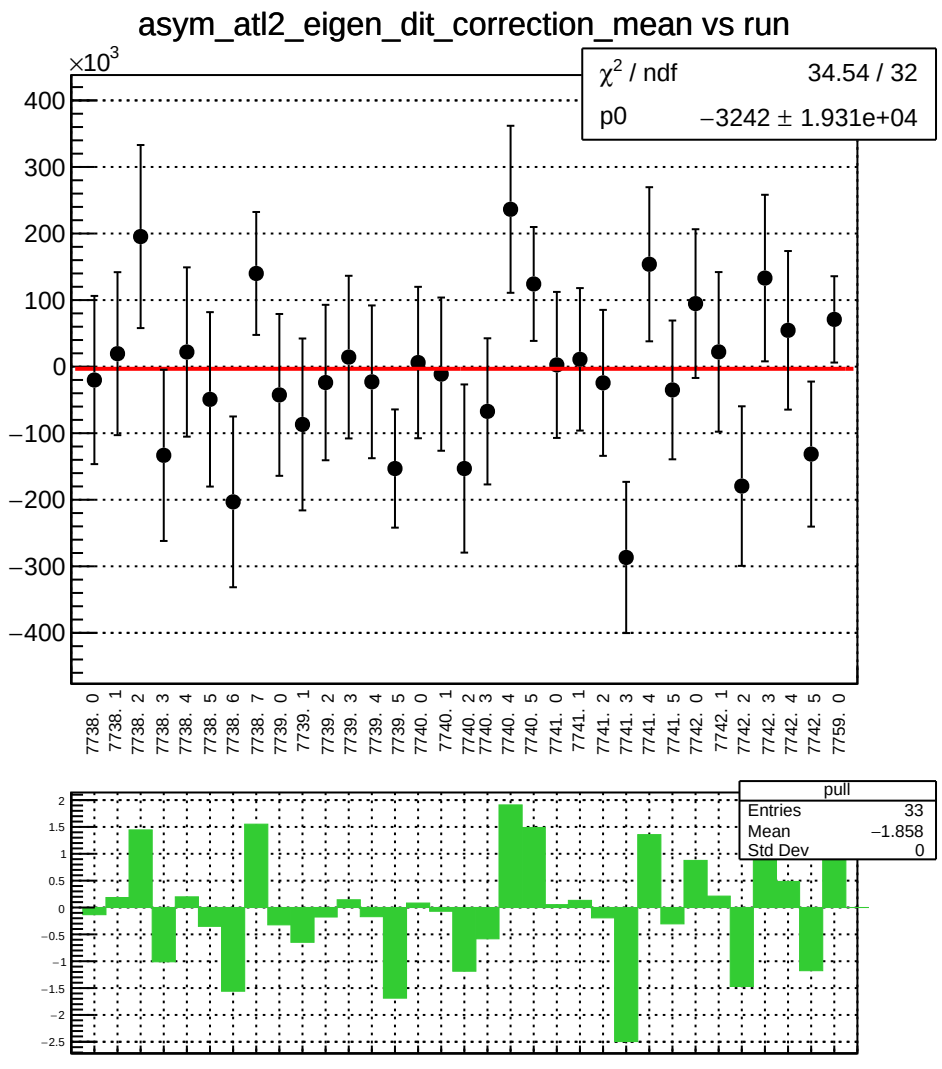

pull1D
Entries 33
Mean −0.03568
Std Dev 1.022

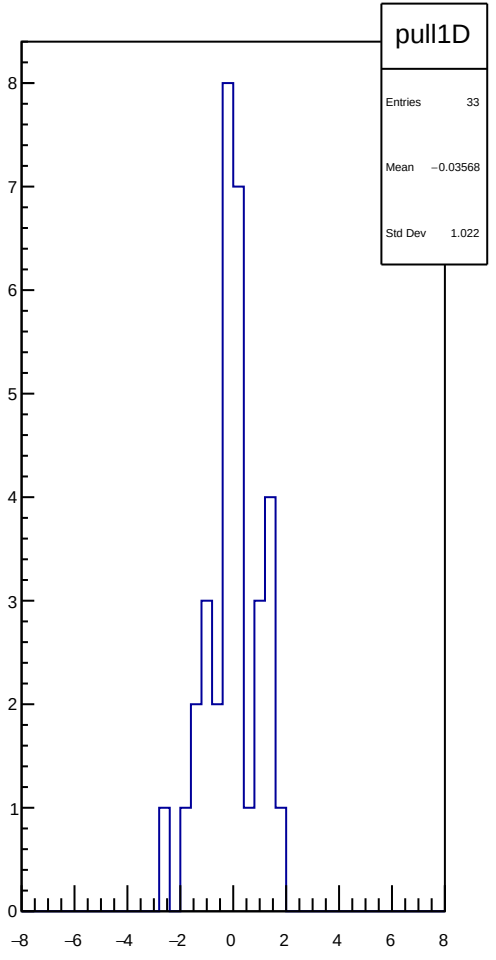

asym_atl2_dit_correction_rms vs run
χ² / ndf 5361 / 32
p0 1.107e+04 ± 13.65
13000
12000
11000
10000
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

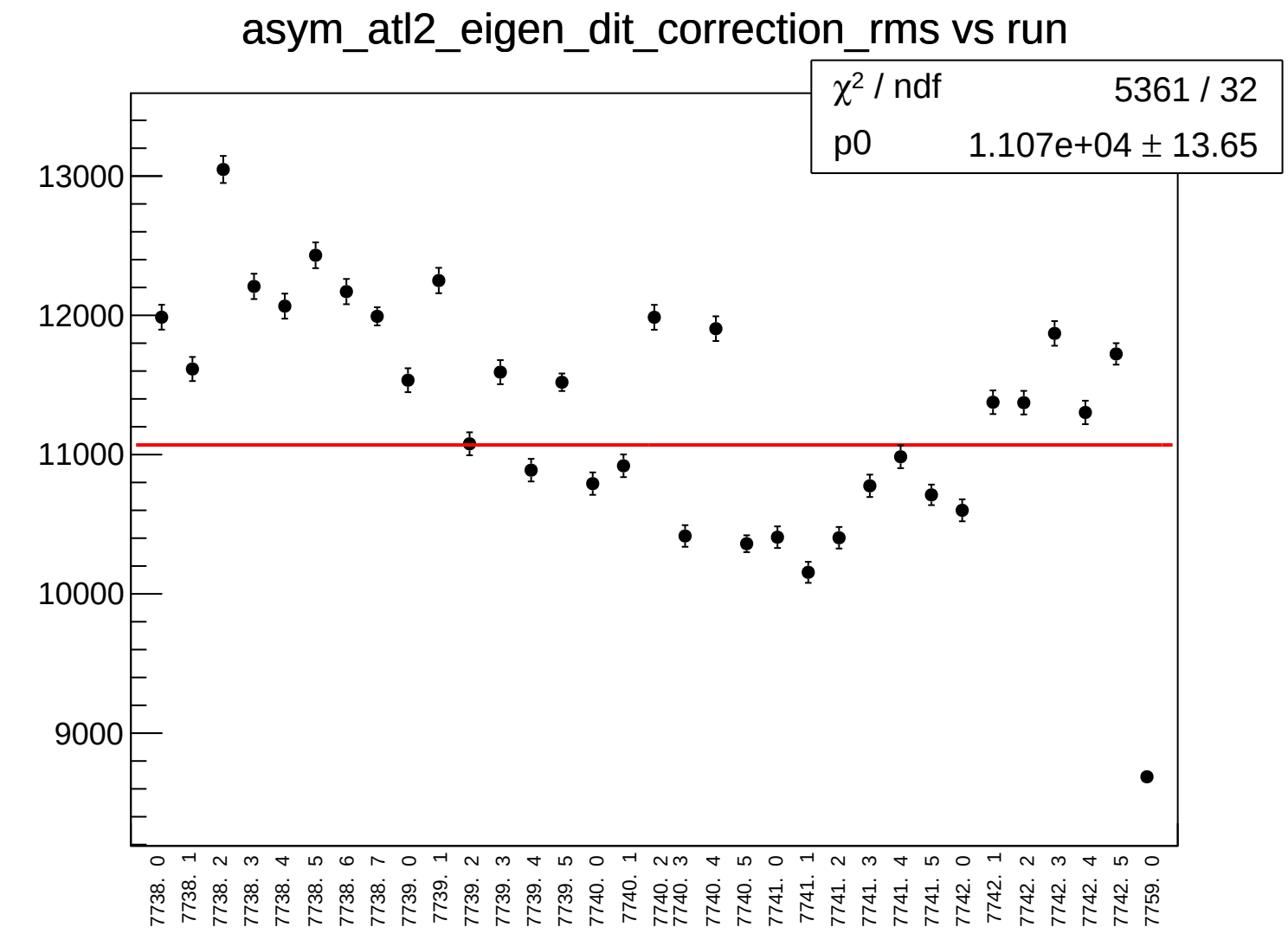

eigen_dit_asym_atl2_mean vs run
χ² / ndf 64.82 / 32
p0 −551.3 ± 3955
×10³
pull
Entries 33
Mean −111.9
Std Dev 0

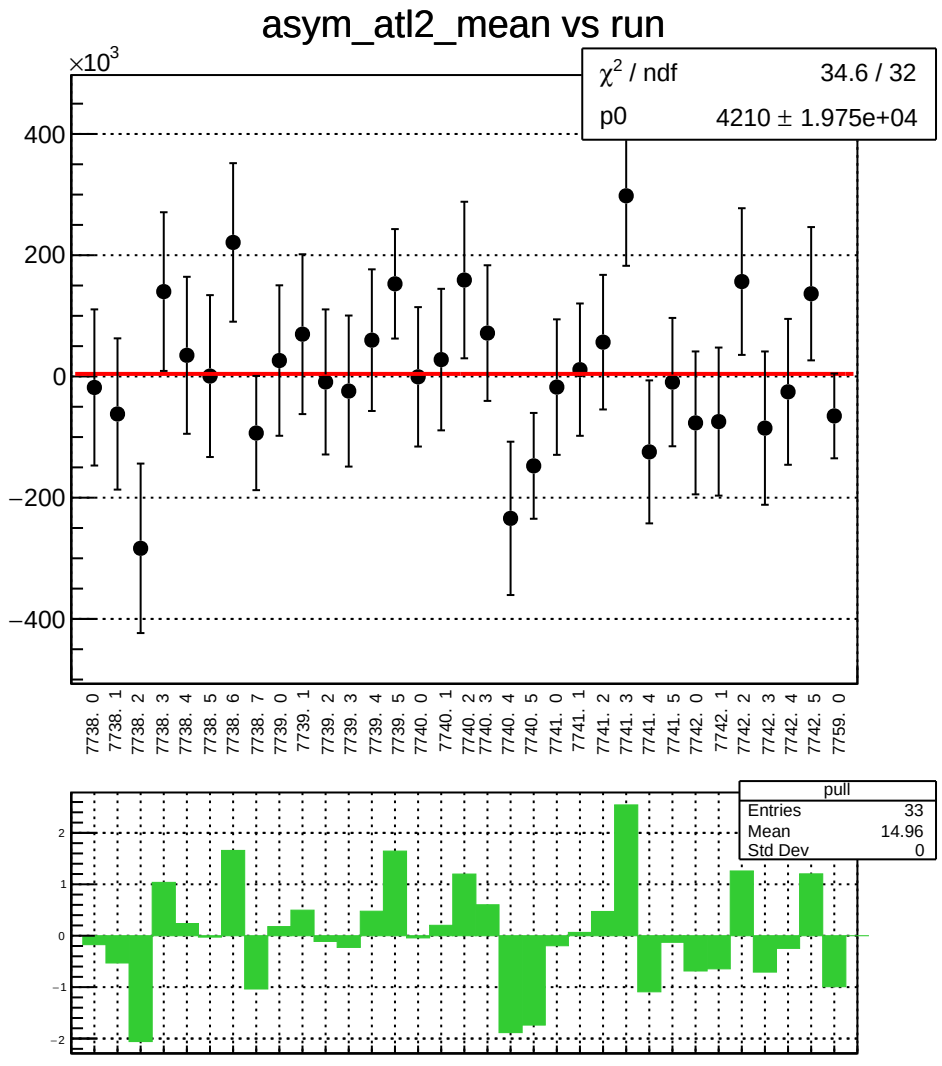

pull1D
Entries 33
Mean −0.02366
Std Dev 1.401

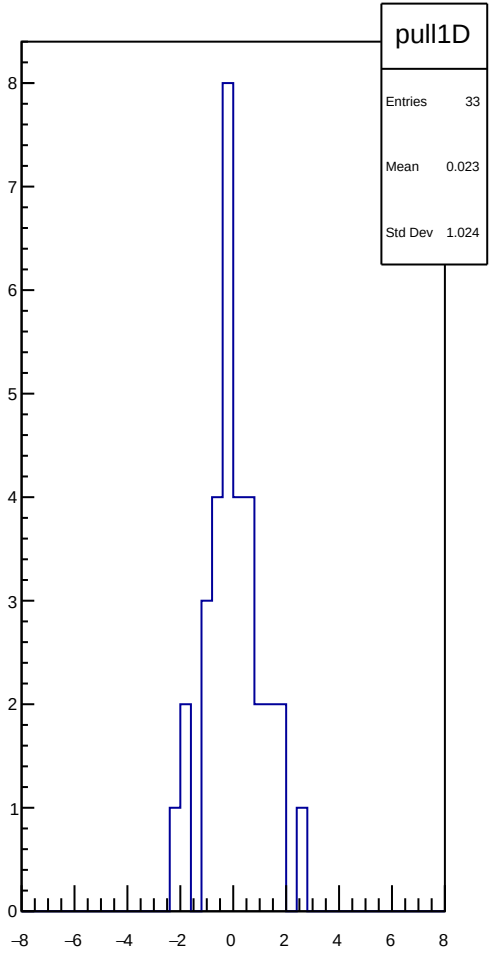

eigen_dit_asym_atl2_rms vs run
χ² / ndf 190.7 / 32
p0 2277 ± 2.797
2400
2350
2300
2250
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

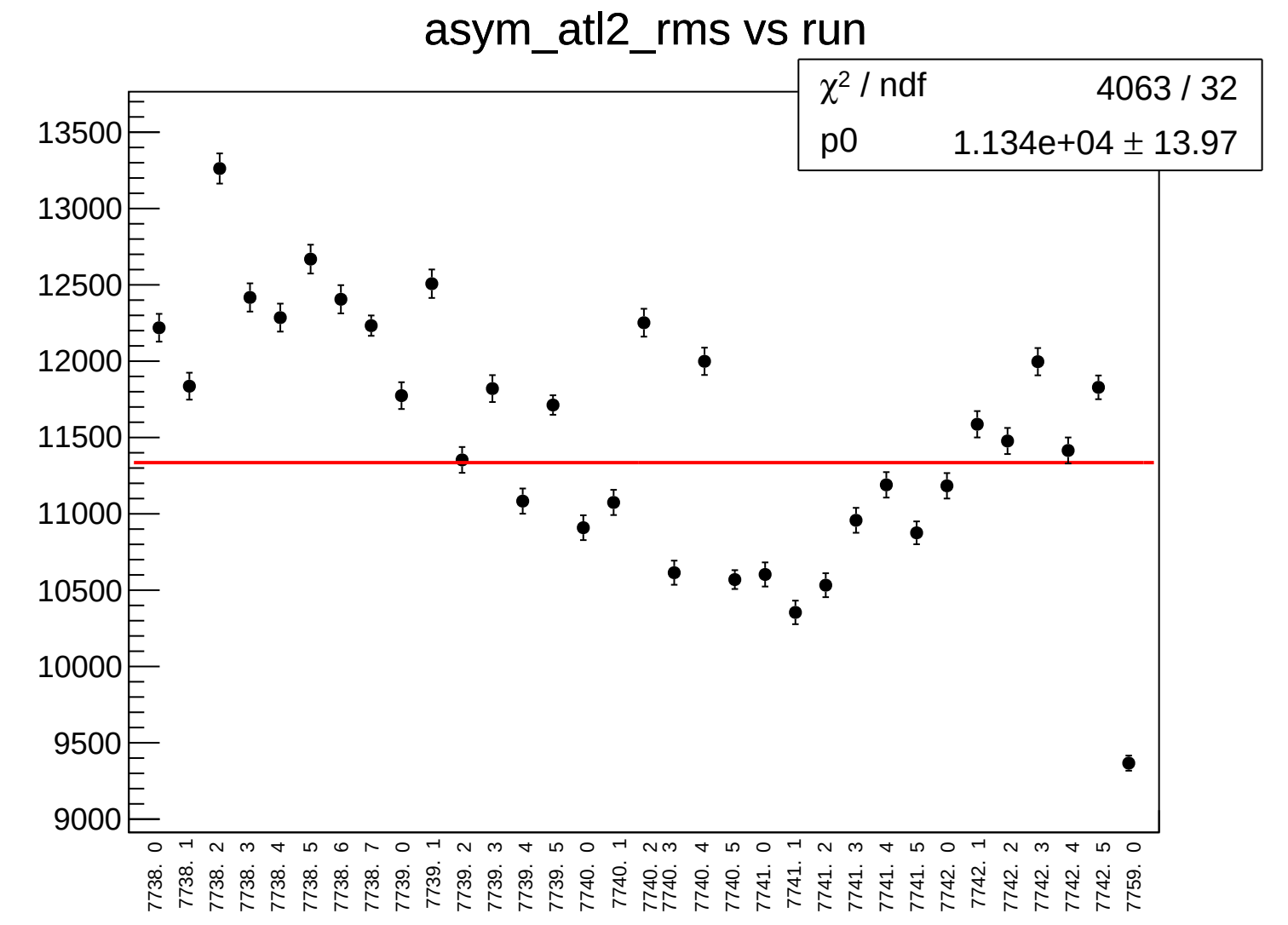

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.54 / 32
p0 −3242 ± 1.931e+04
400
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.858
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

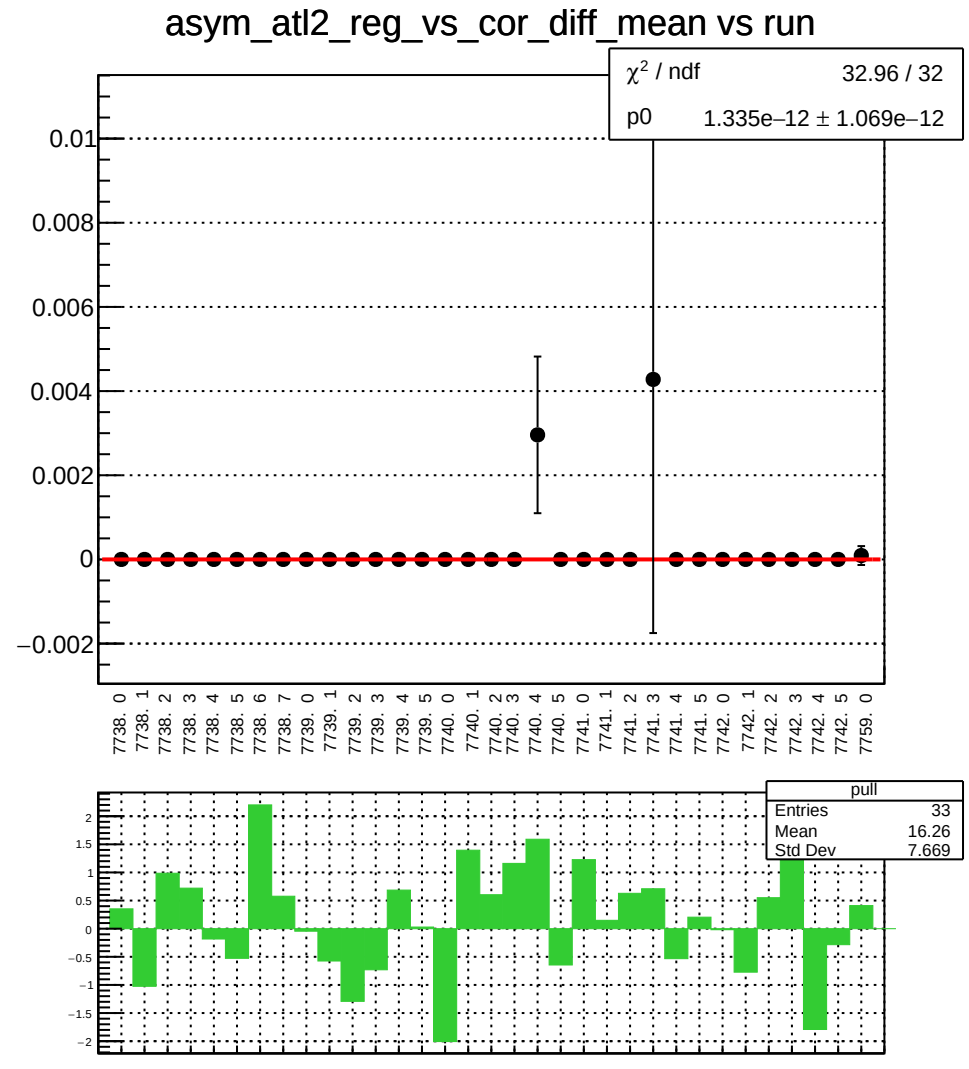

pull1D
Entries 33
Mean −0.03568
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

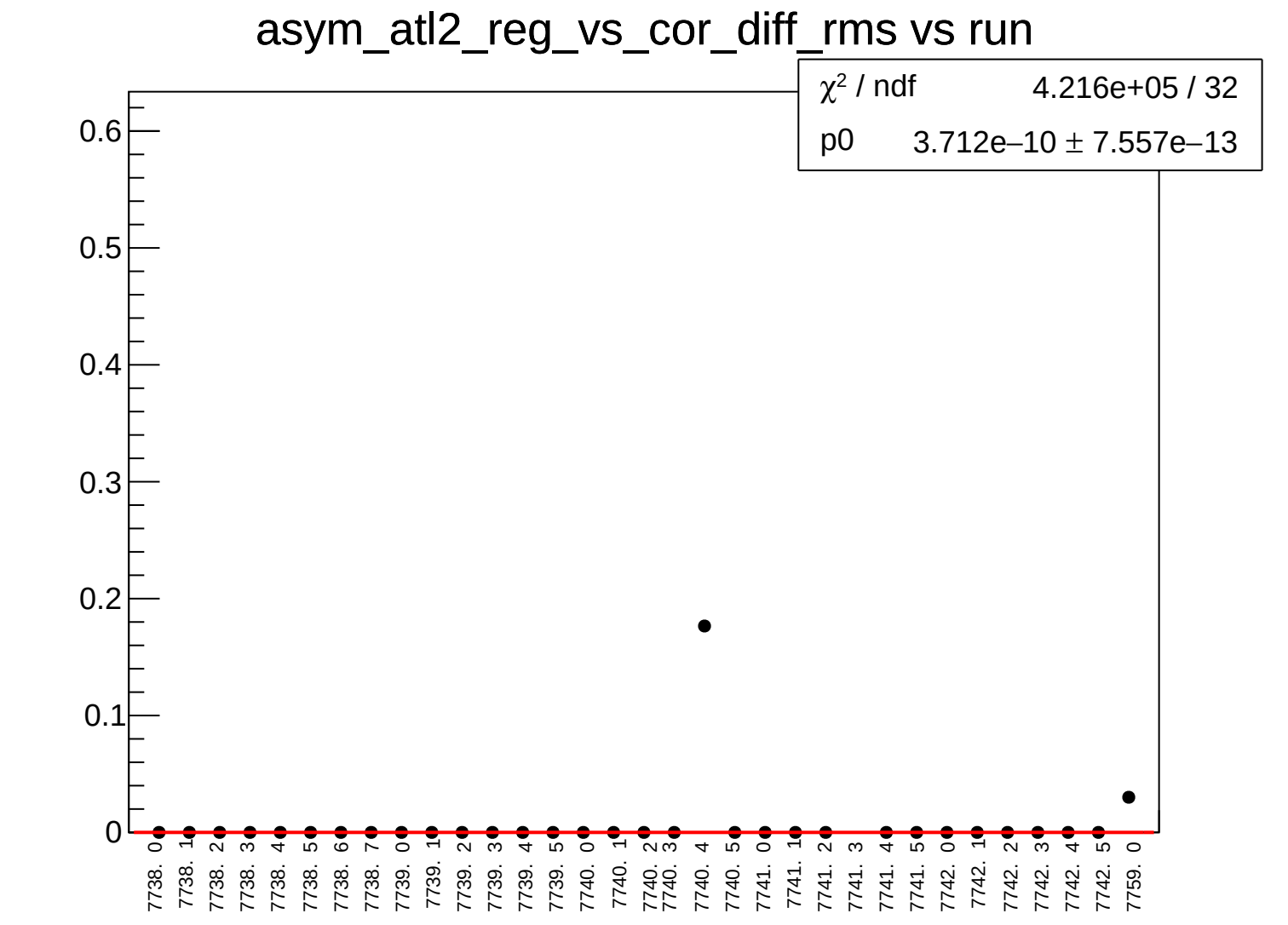

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 5361 / 32
p0 1.107e+04 ± 13.65
13000
12000
11000
10000
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

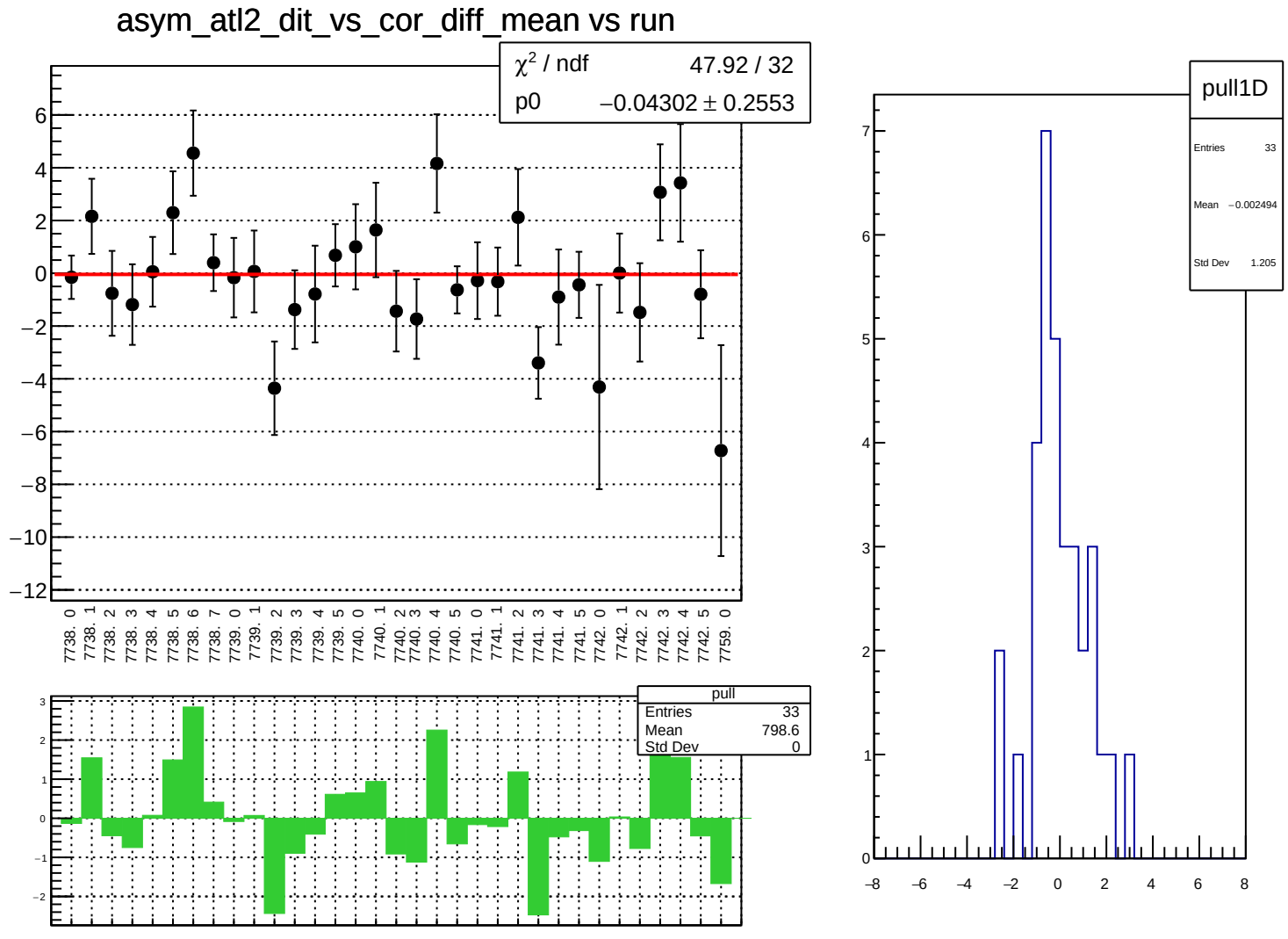

asym_atl2_mean vs run
×10^3
χ² / ndf 34.6 / 32
p0 4210 ± 1.975e+04
400
200
0
−200
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.96
Std Dev 0
2
1
0
−1
−2

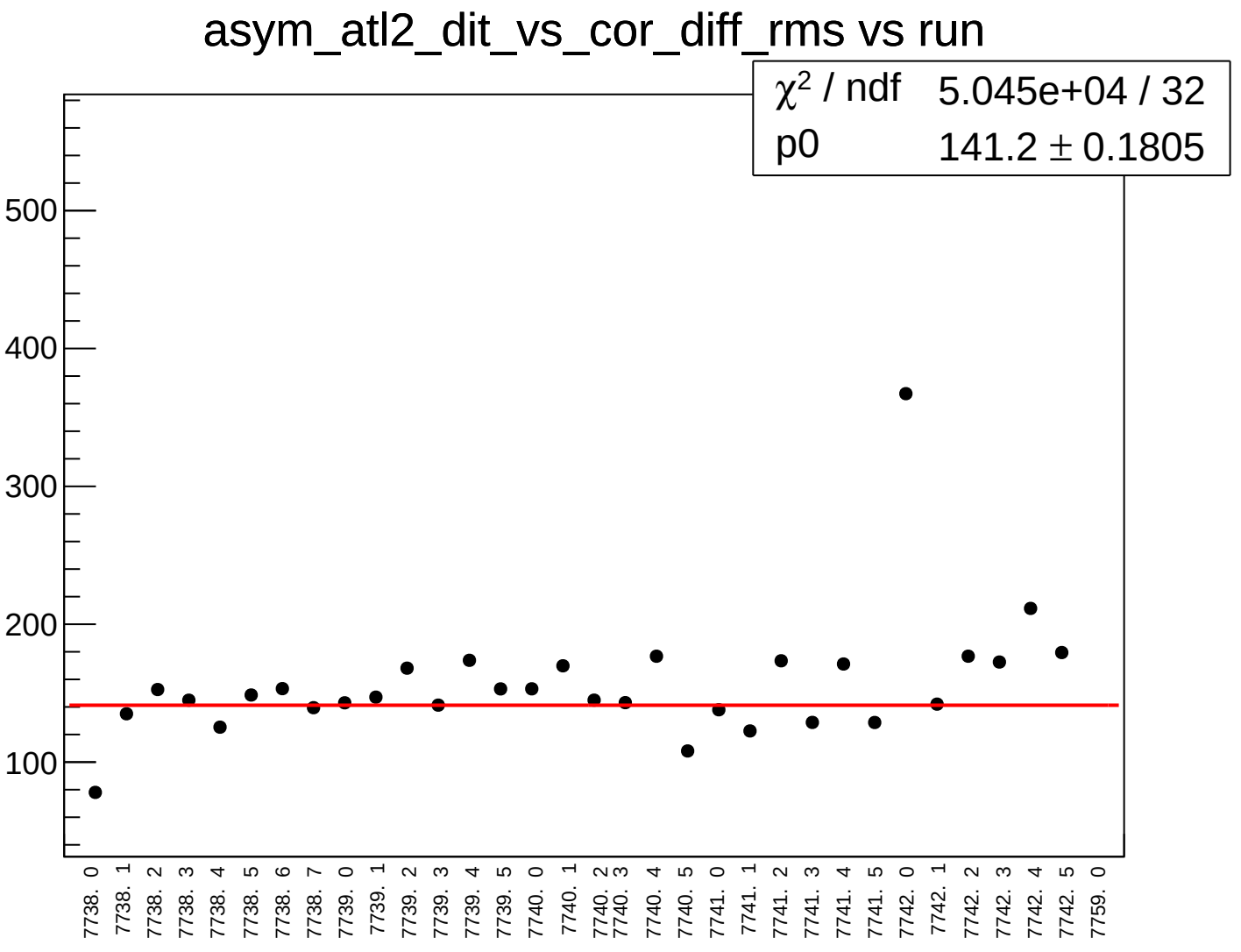

pull1D
Entries 33
Mean 0.023
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

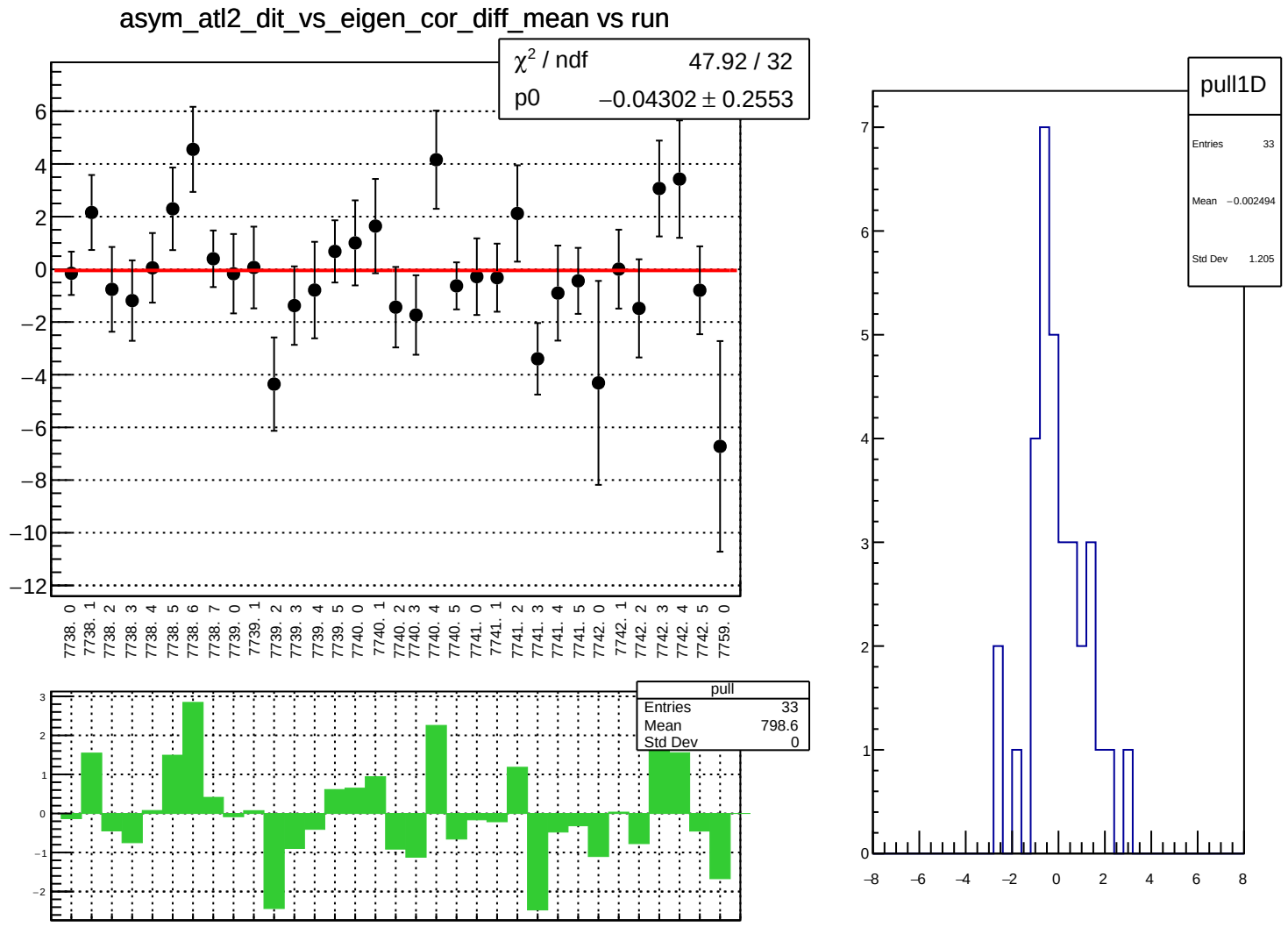

asym_atl2_rms vs run
χ² / ndf 4063 / 32
p0 1.134e+04 ± 13.97
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

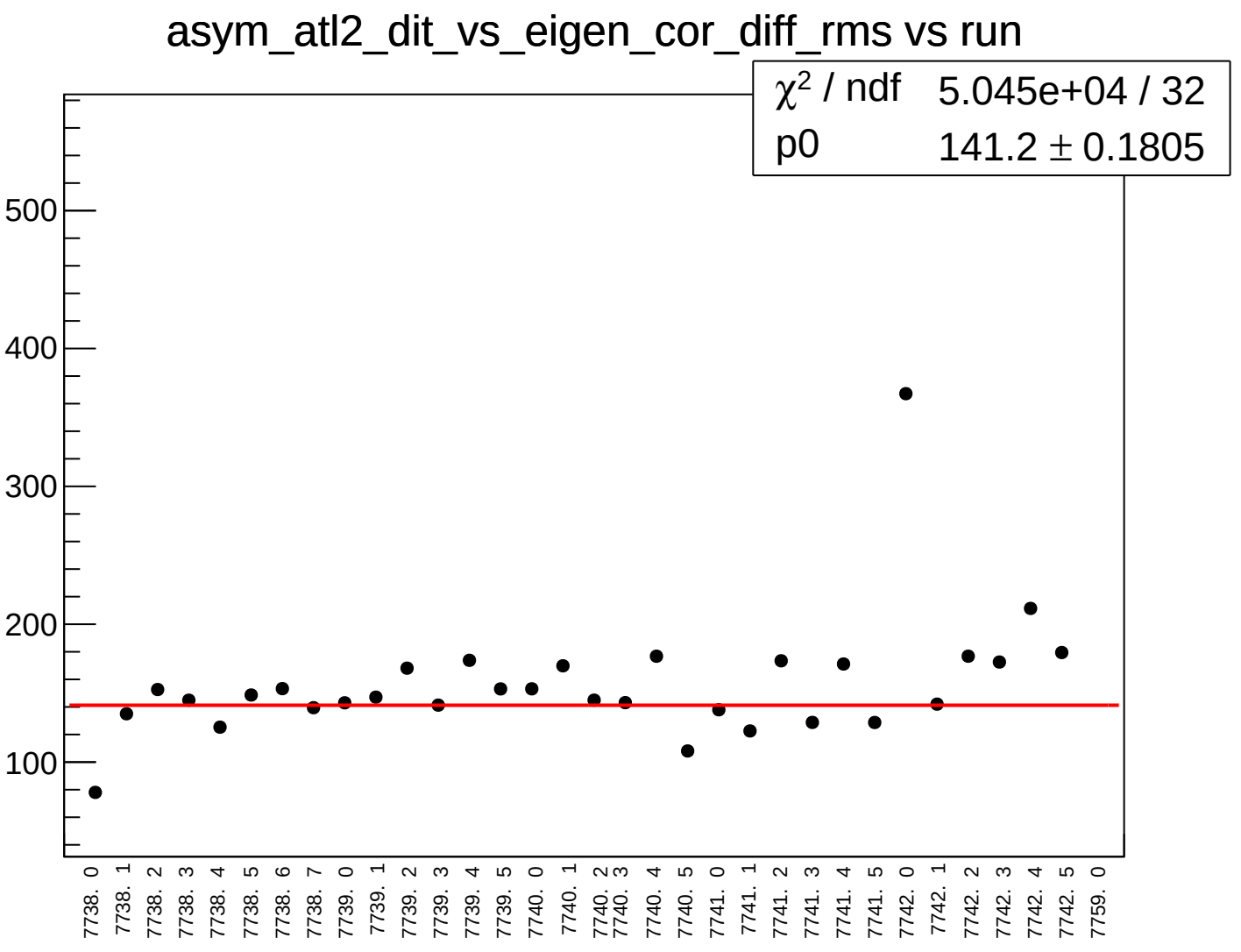

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 32.96 / 32
p0 1.335e−12 ± 1.069e−12
0.01
0.008
0.006
0.004
0.002
0
−0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.26
Std Dev 7.669
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1748
Std Dev 0.984
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

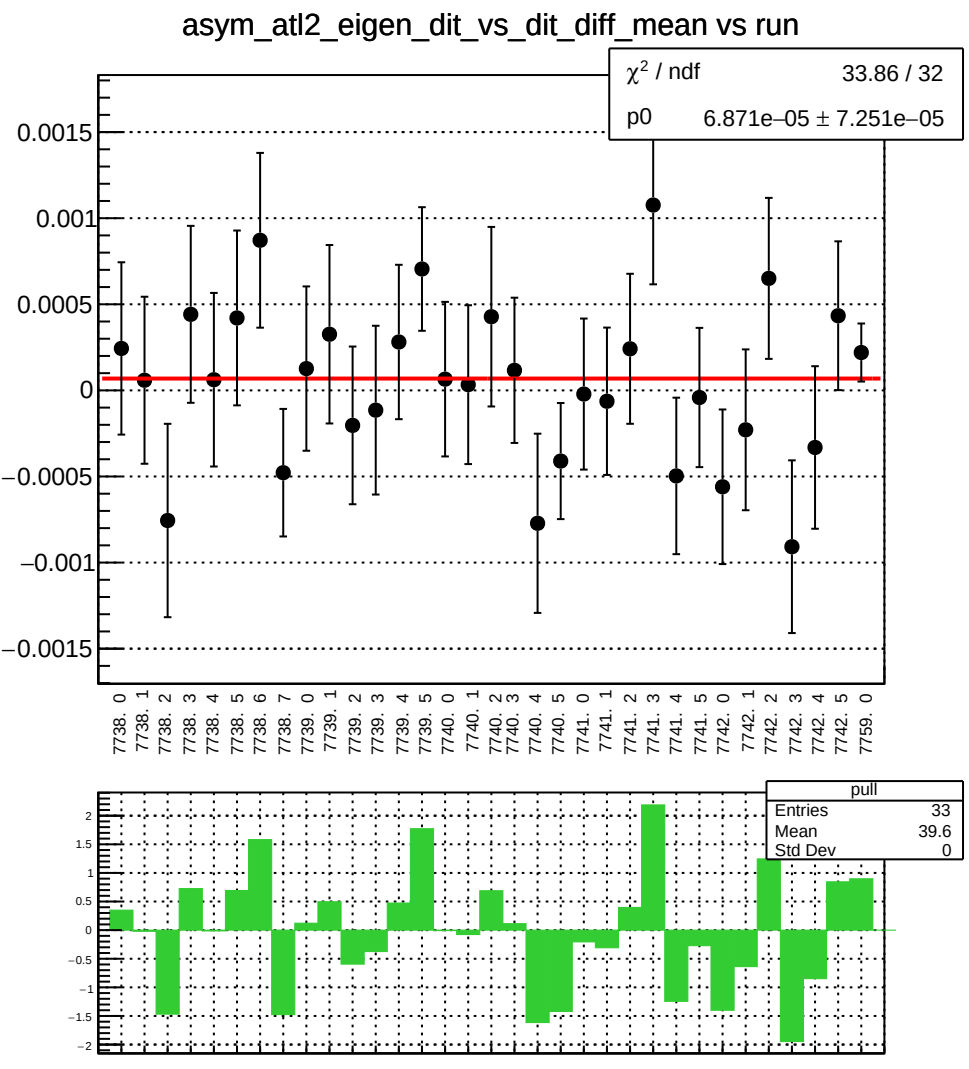

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 4.216e+05 / 32
p0 3.712e−10 ± 7.557e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

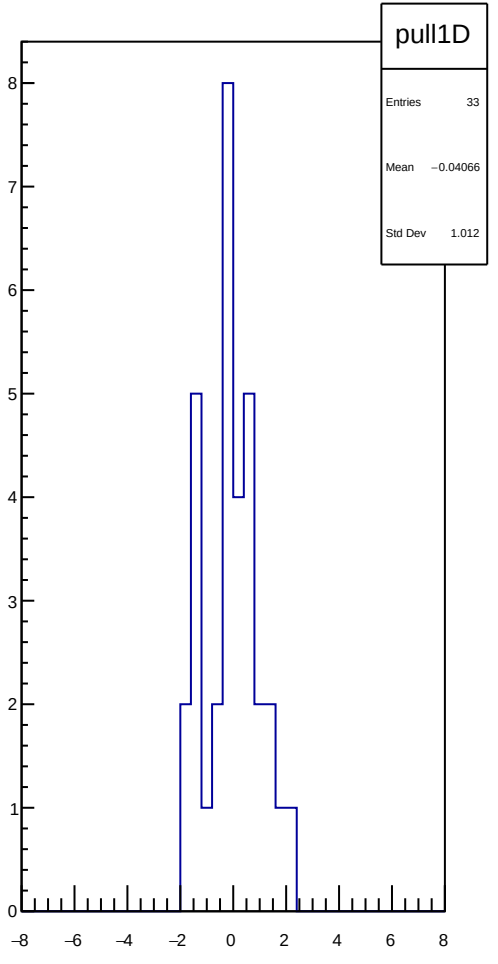

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 47.92 / 32
p0 −0.04302 ± 0.2553
6
4
2
0
−2
−4
−6
−8
−10
−12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 798.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.002494
Std Dev 1.205
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

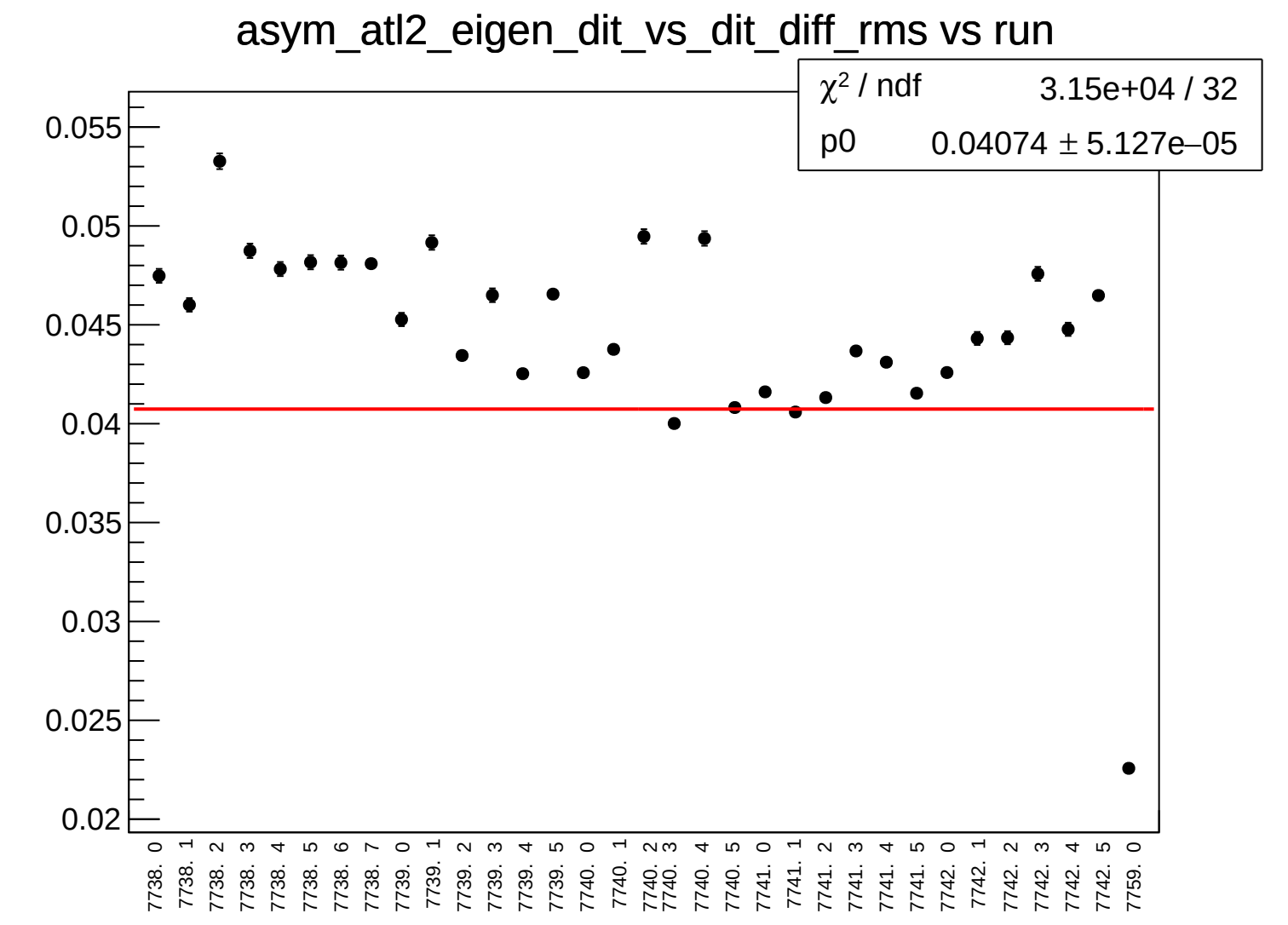

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 5.045e+04 / 32
p0 141.2 ± 0.1805
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

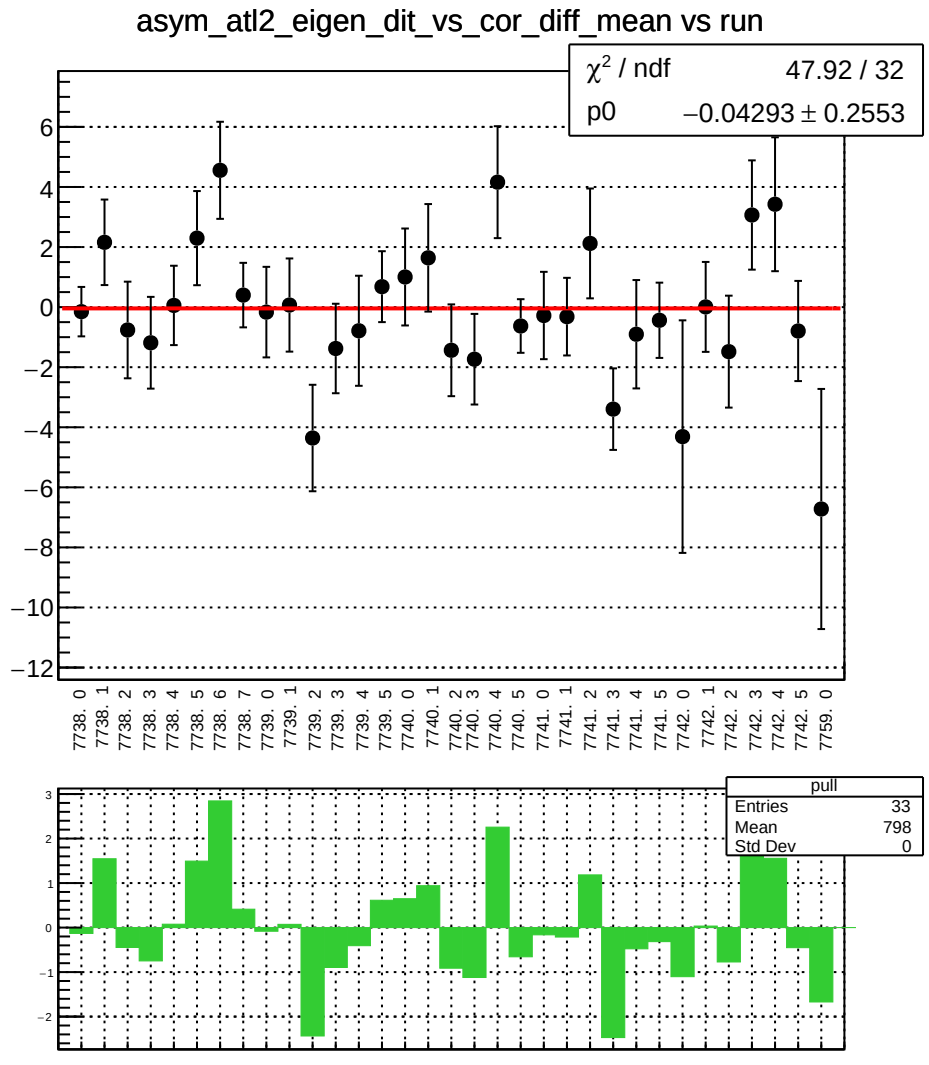

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.92 / 32
p0 −0.04302 ± 0.2553
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 798.6
Std Dev 0
pull1D
Entries 33
Mean −0.002494
Std Dev 1.205

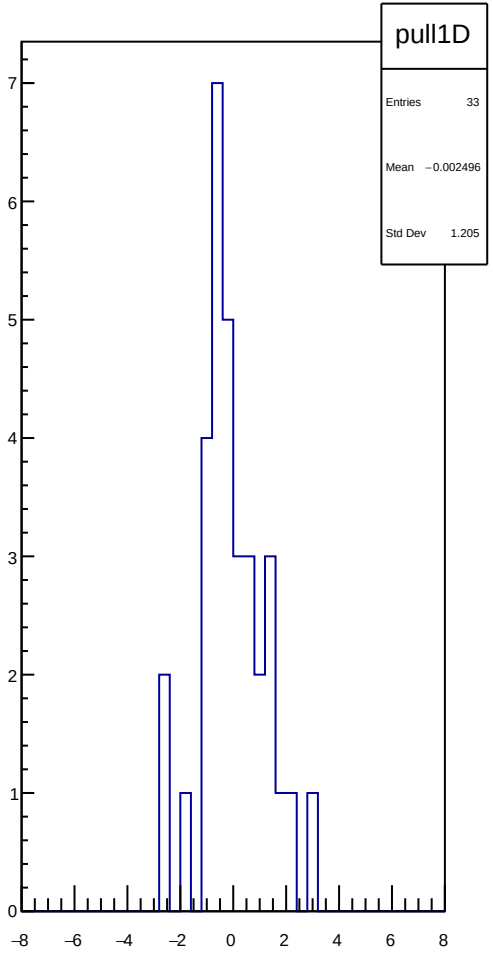

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.045e+04 / 32
p0 141.2 ± 0.1805
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

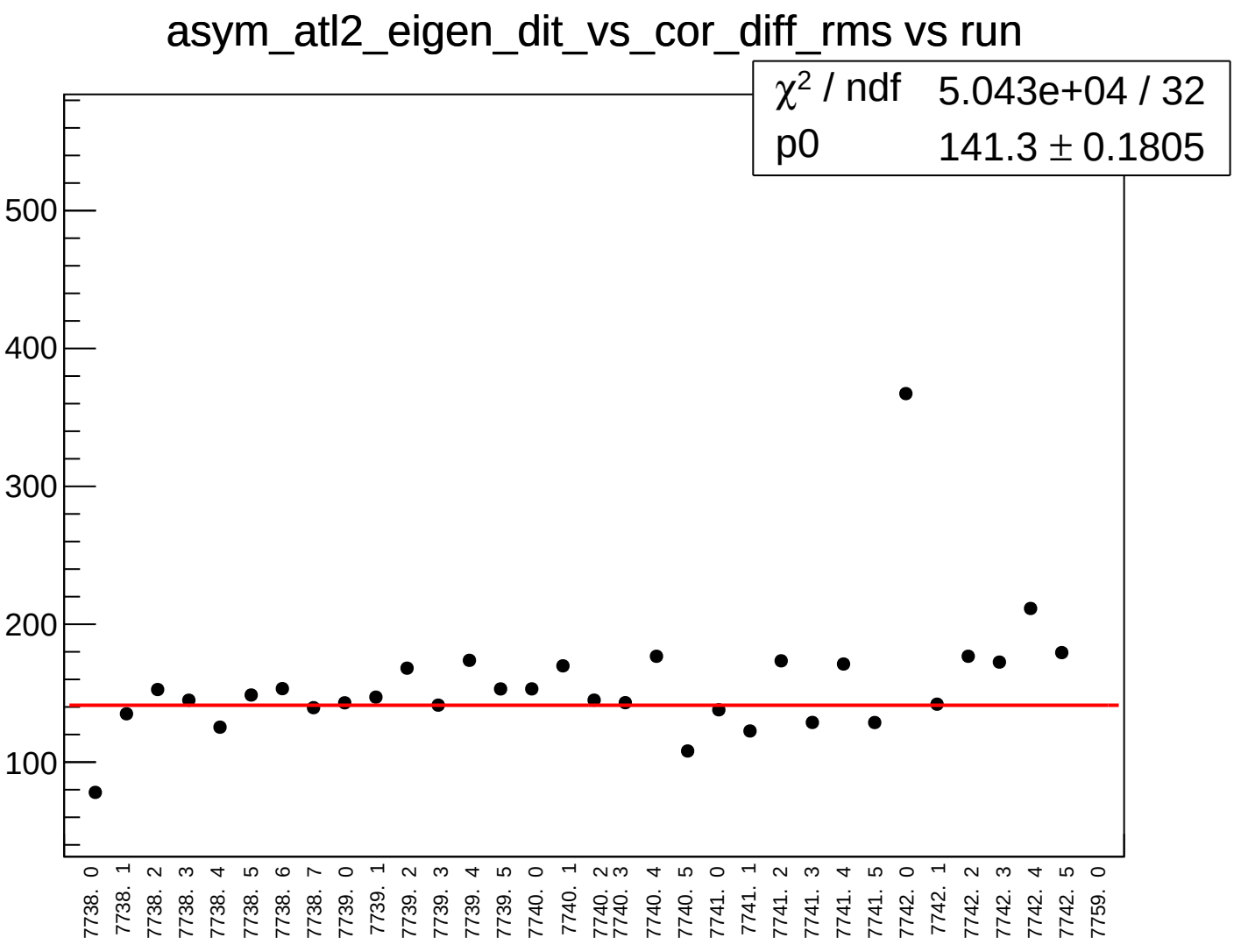

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 33.86 / 32
p0 6.871e−05 ± 7.251e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

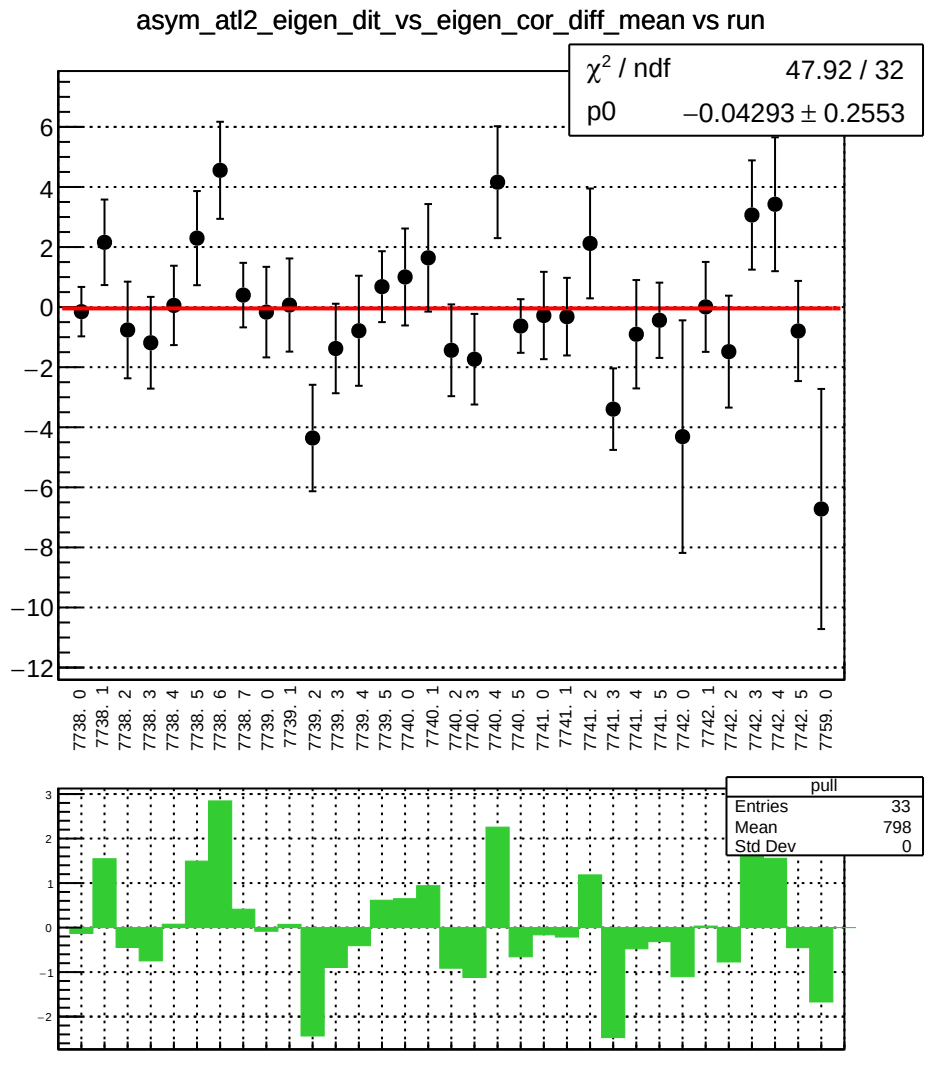

pull1D
Entries 33
Mean −0.04066
Std Dev 1.012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

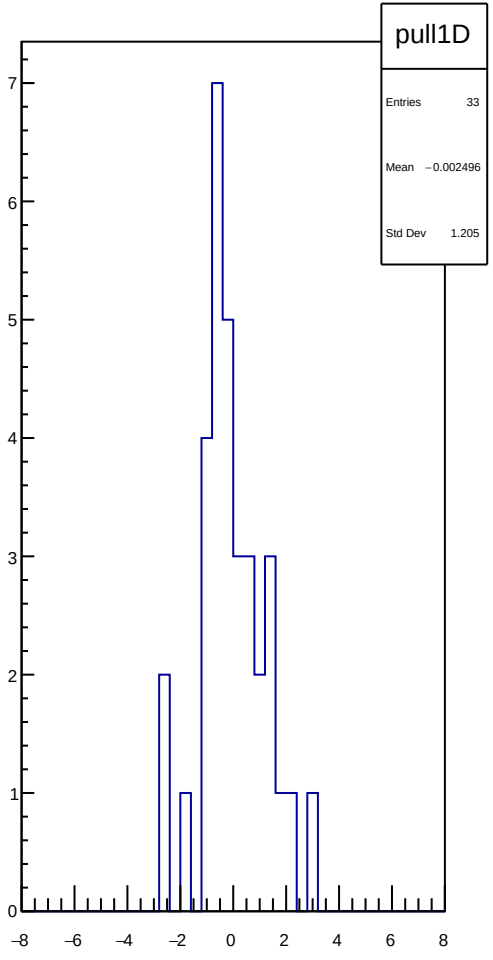

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.15e+04 / 32
p0 0.04074 ± 5.127e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

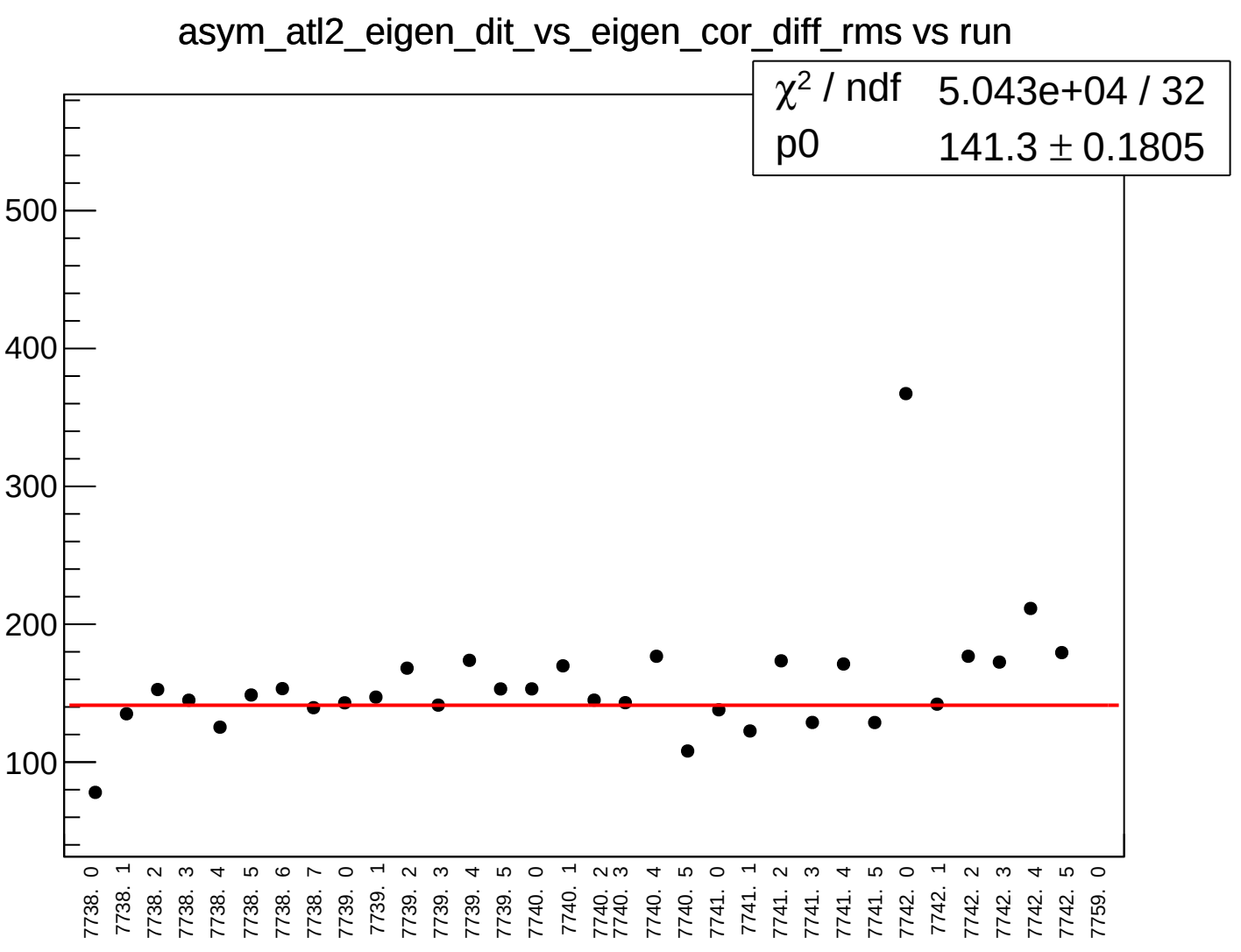

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.92 / 32
p0 −0.04293 ± 0.2553
pull
Entries 33
Mean 798
Std Dev 0

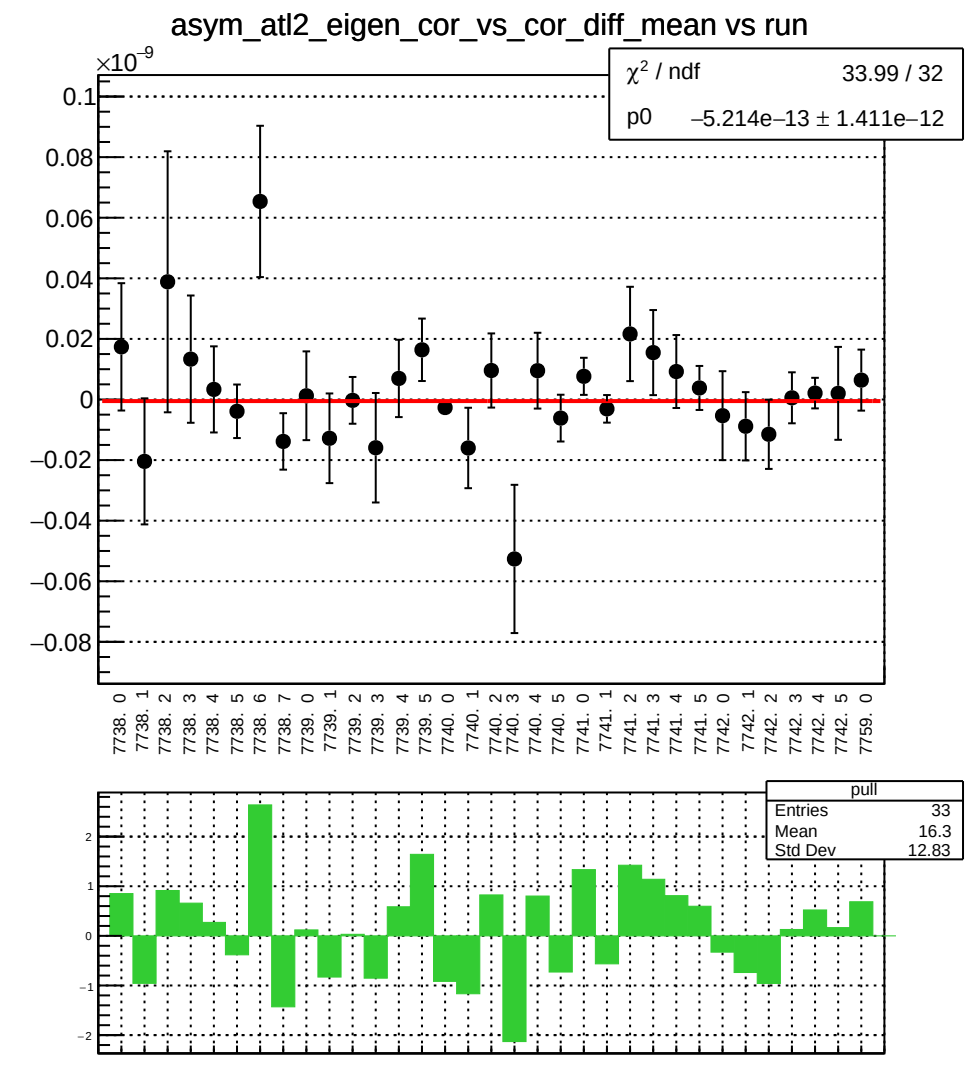

pull1D
Entries 33
Mean −0.002496
Std Dev 1.205

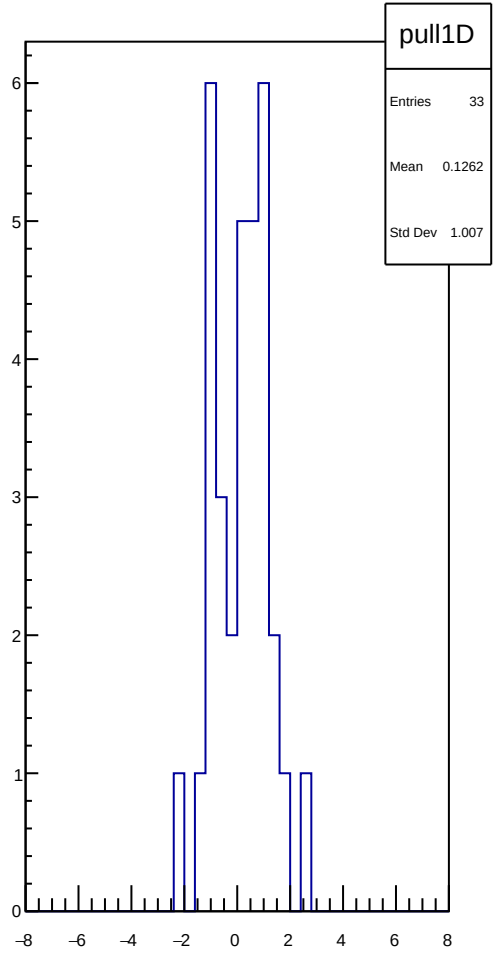

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.043e+04 / 32
p0 141.3 ± 0.1805
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

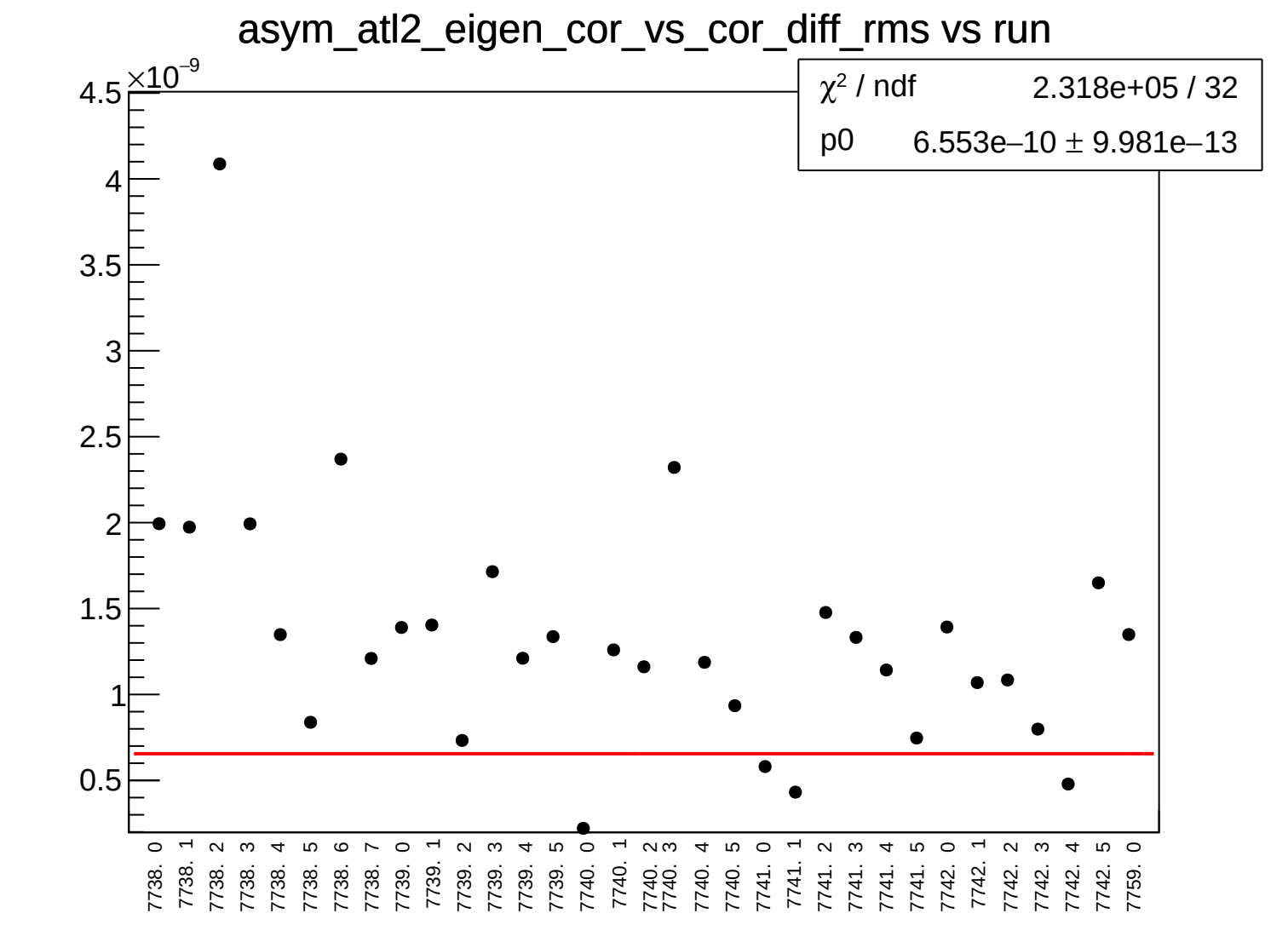

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.92 / 32
p0 −0.04293 ± 0.2553
pull
Entries 33
Mean 798
Std Dev 0

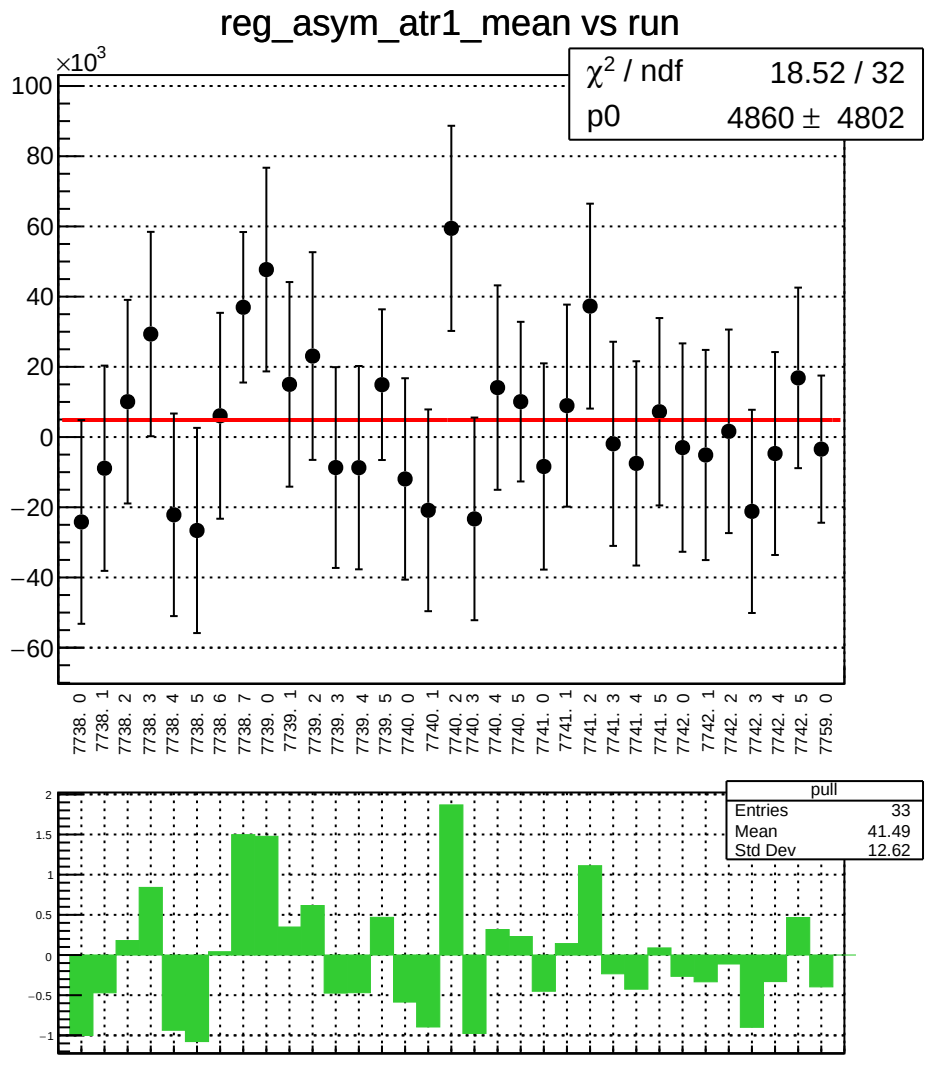

pull1D
Entries 33
Mean −0.002496
Std Dev 1.205

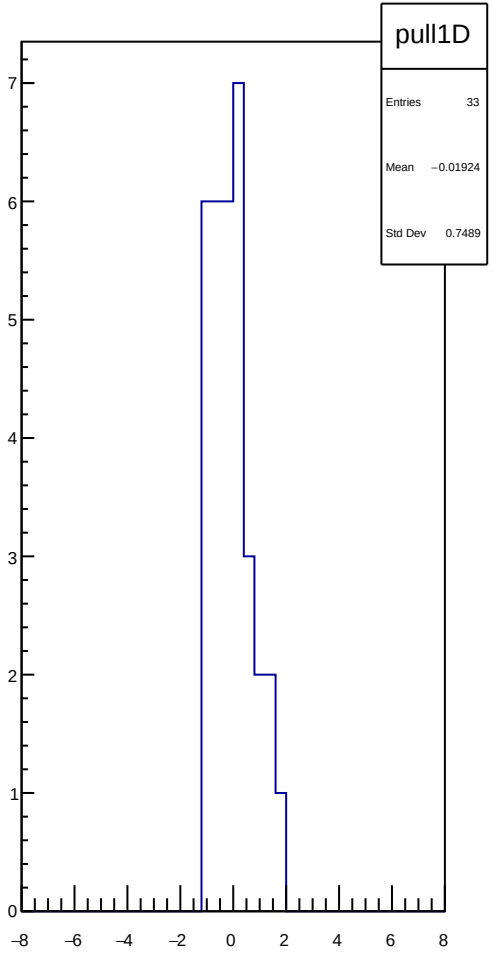

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.043e+04 / 32
p0 141.3 ± 0.1805
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

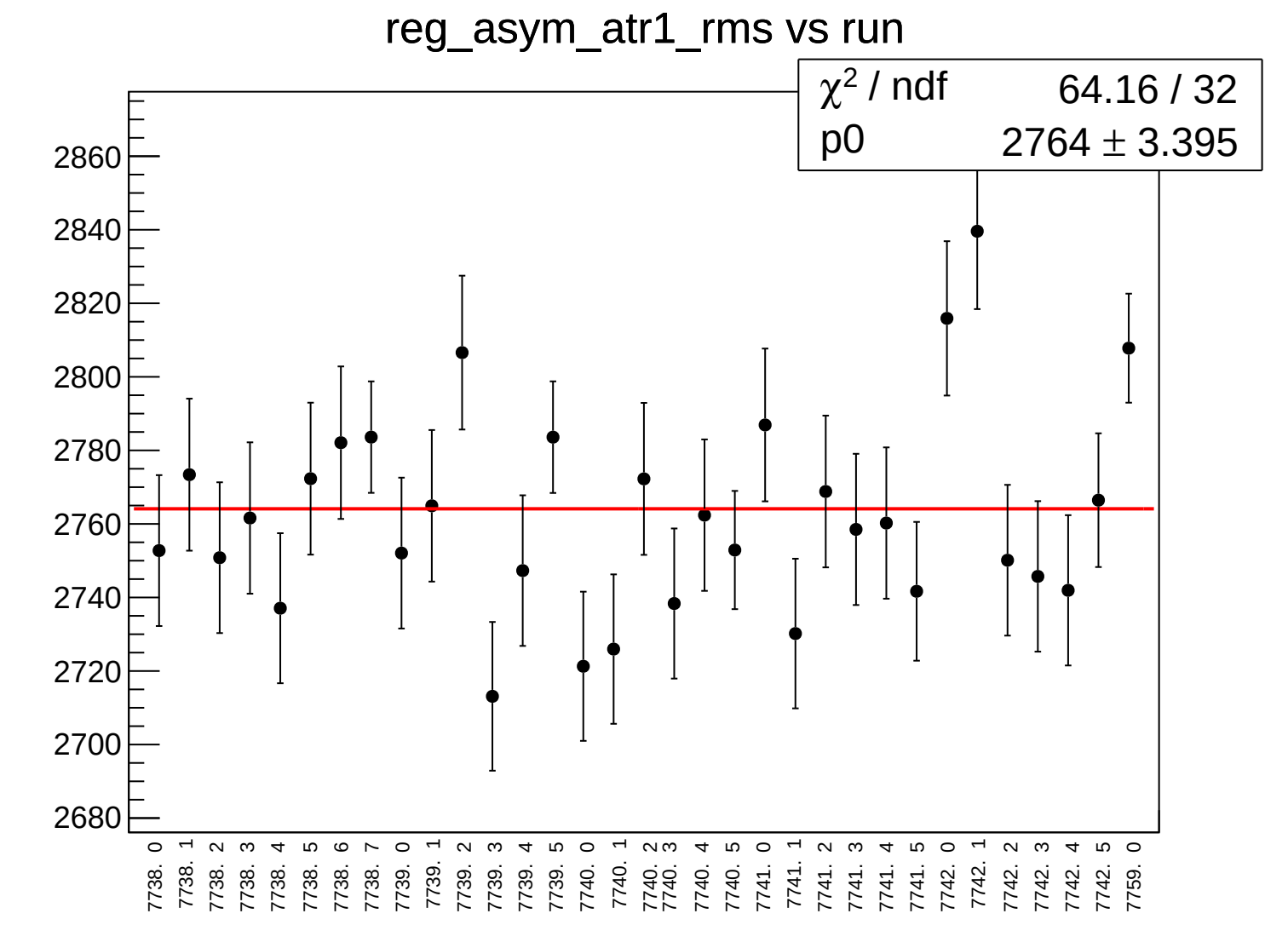

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 33.99 / 32
p0 −5.214e−13 ± 1.411e−12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.3
Std Dev 12.83
2
1
0
−1
−2

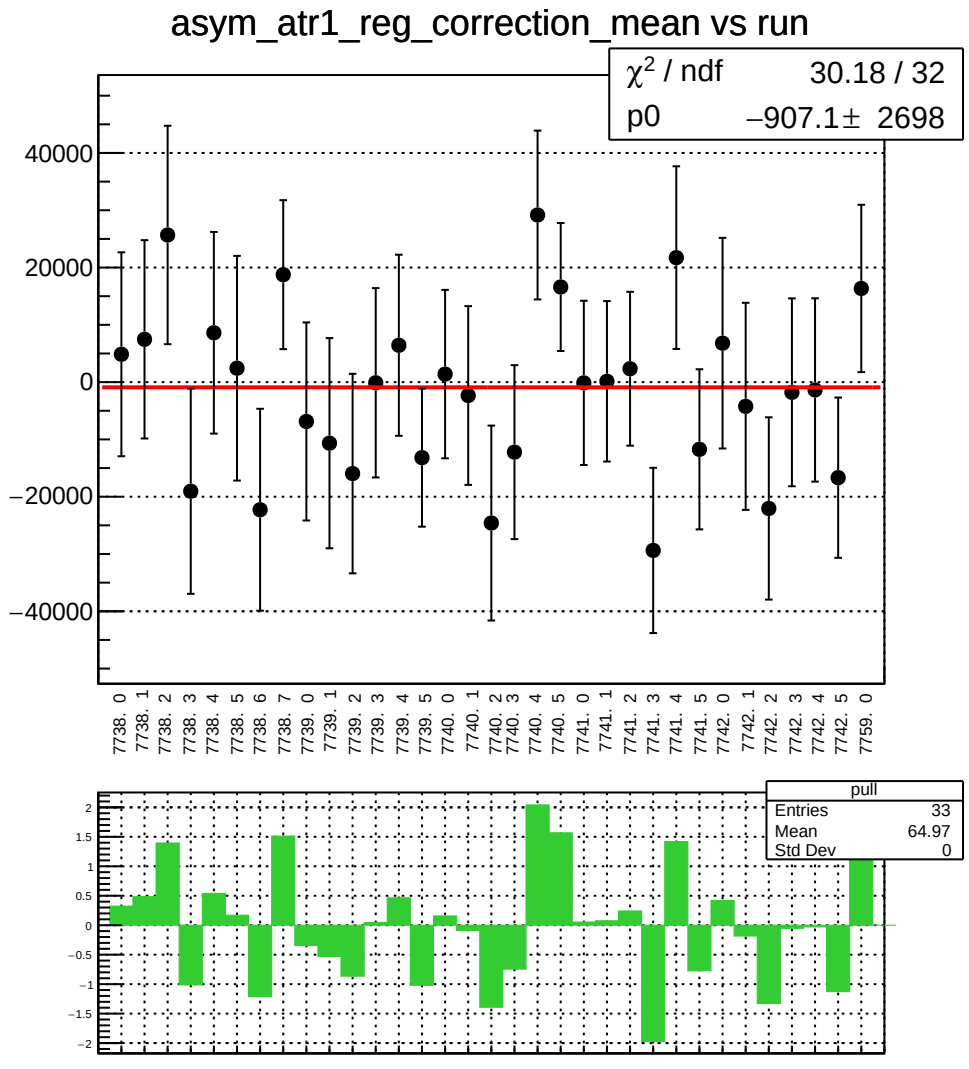

pull1D
Entries 33
Mean 0.1262
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

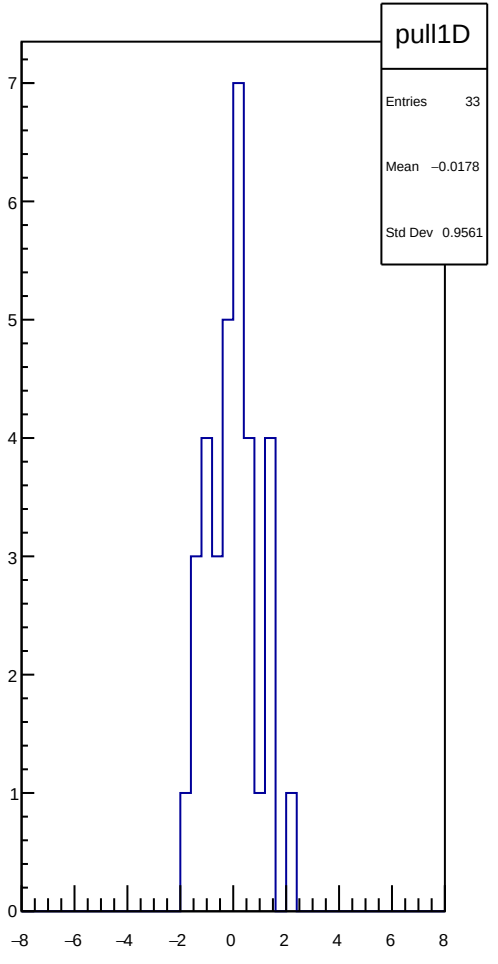

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.318e+05 / 32
p0 6.553e−10 ± 9.981e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

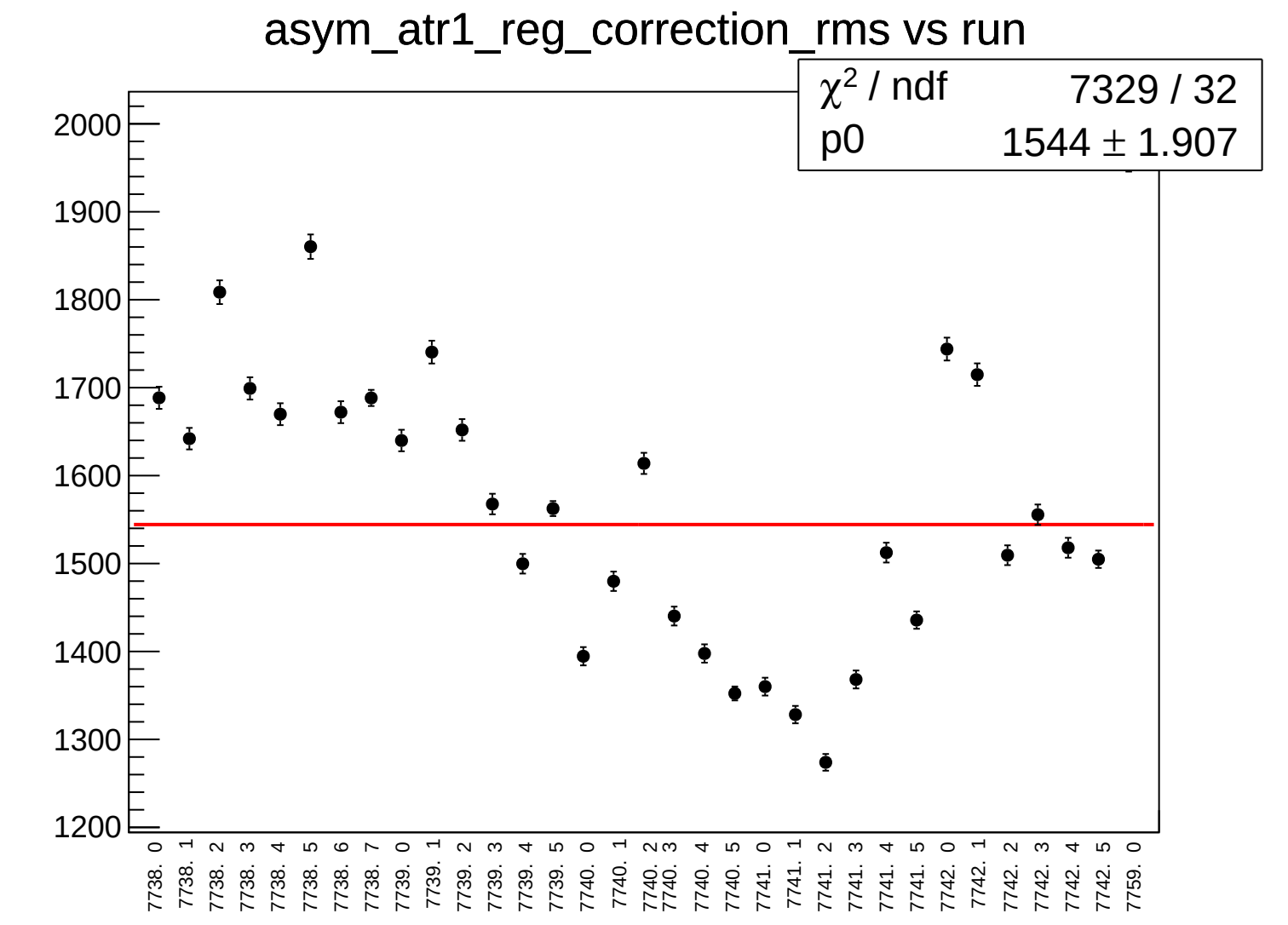

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 18.52 / 32
p0 4860 ± 4802
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 41.49
Std Dev 12.62
2
1.5
1
0.5
0
−0.5
−1

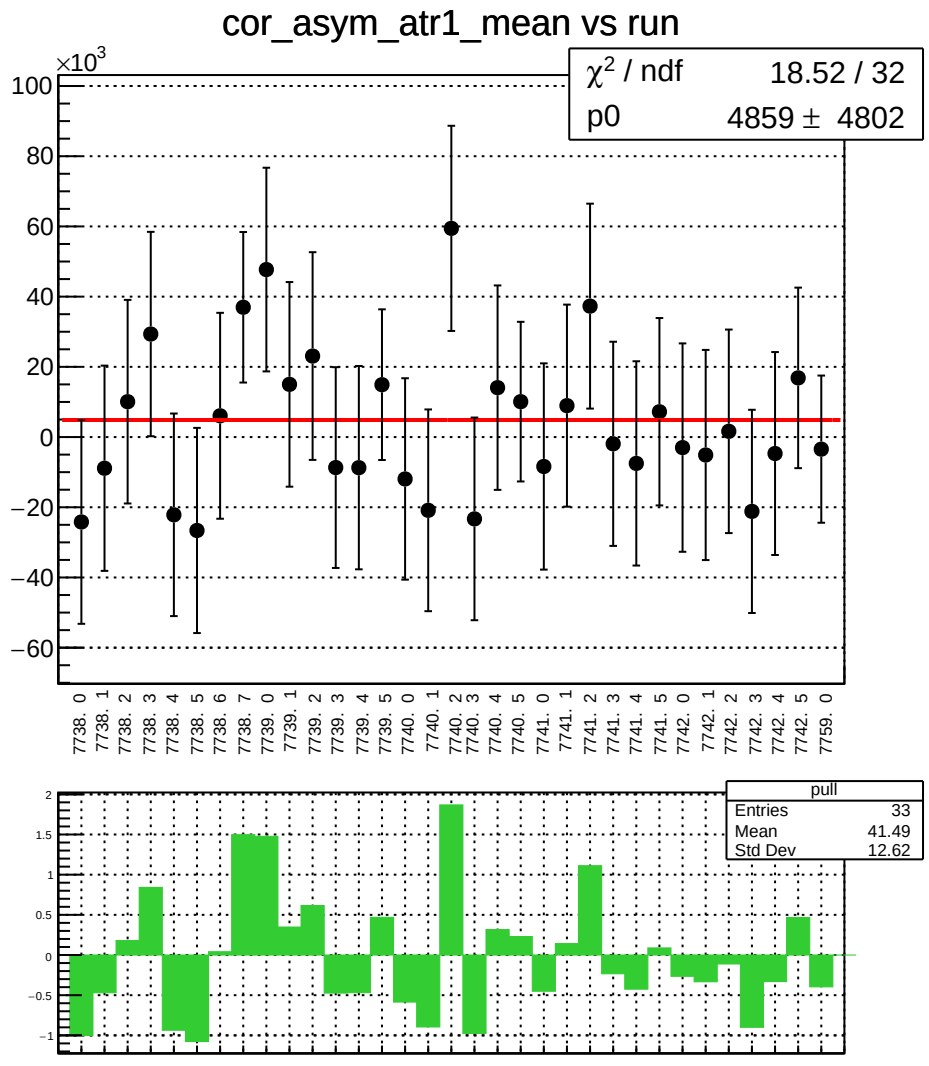

pull1D
Entries 33
Mean −0.01924
Std Dev 0.7489
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

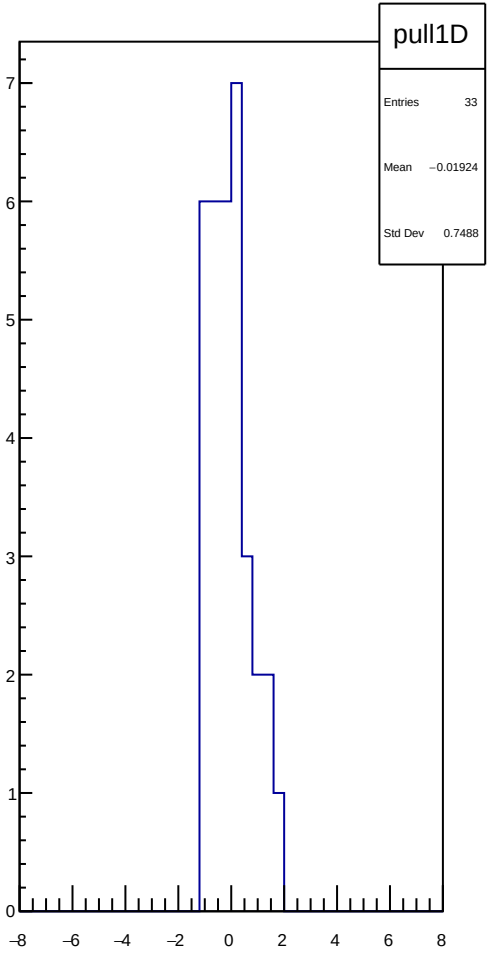

reg_asym_atr1_rms vs run
χ² / ndf 64.16 / 32
p0 2764 ± 3.395
2860
2840
2820
2800
2780
2760
2740
2720
2700
2680
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

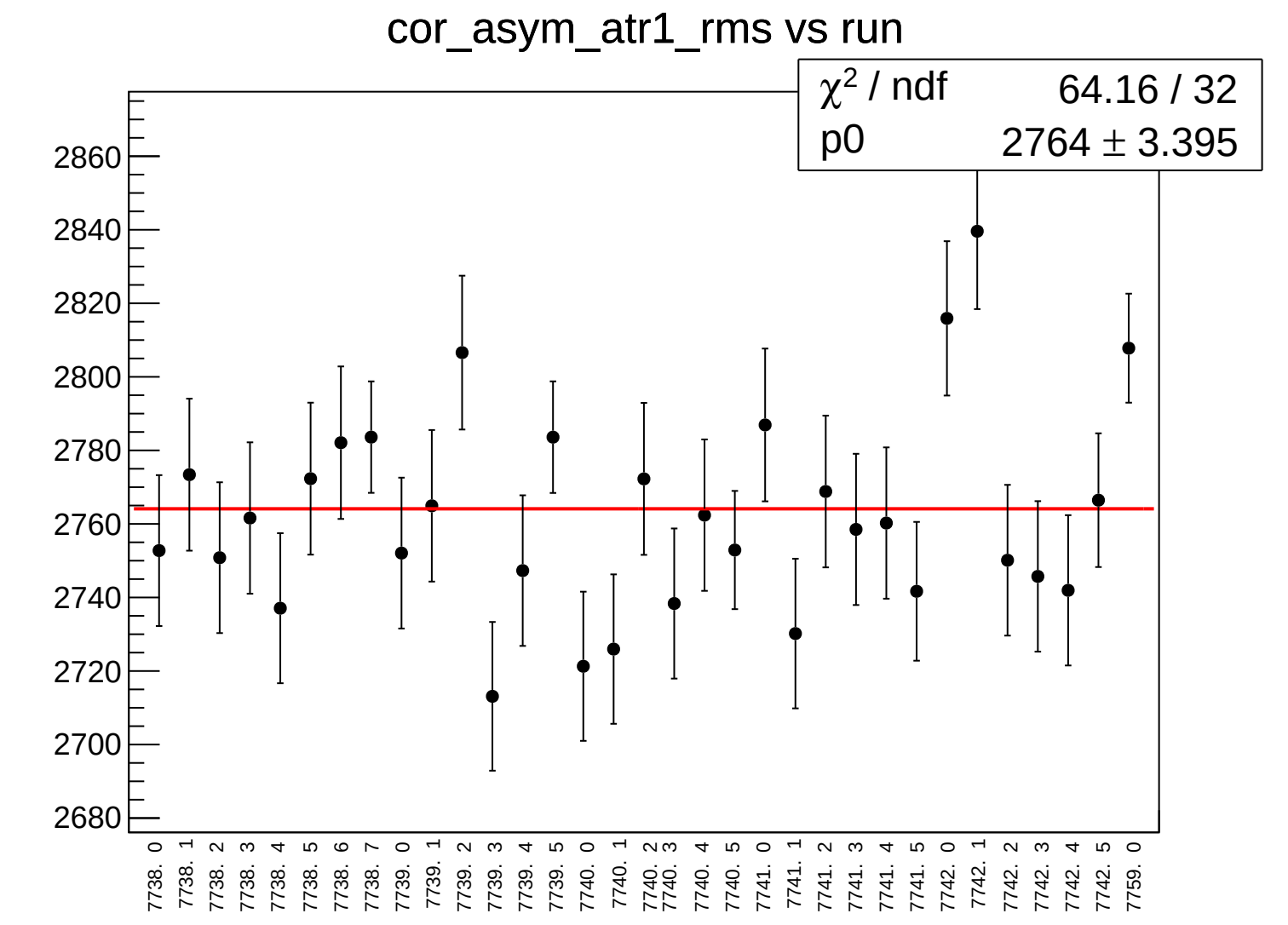

asym_atr1_reg_correction_mean vs run
χ² / ndf 30.18 / 32
p0 −907.1± 2698
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 64.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

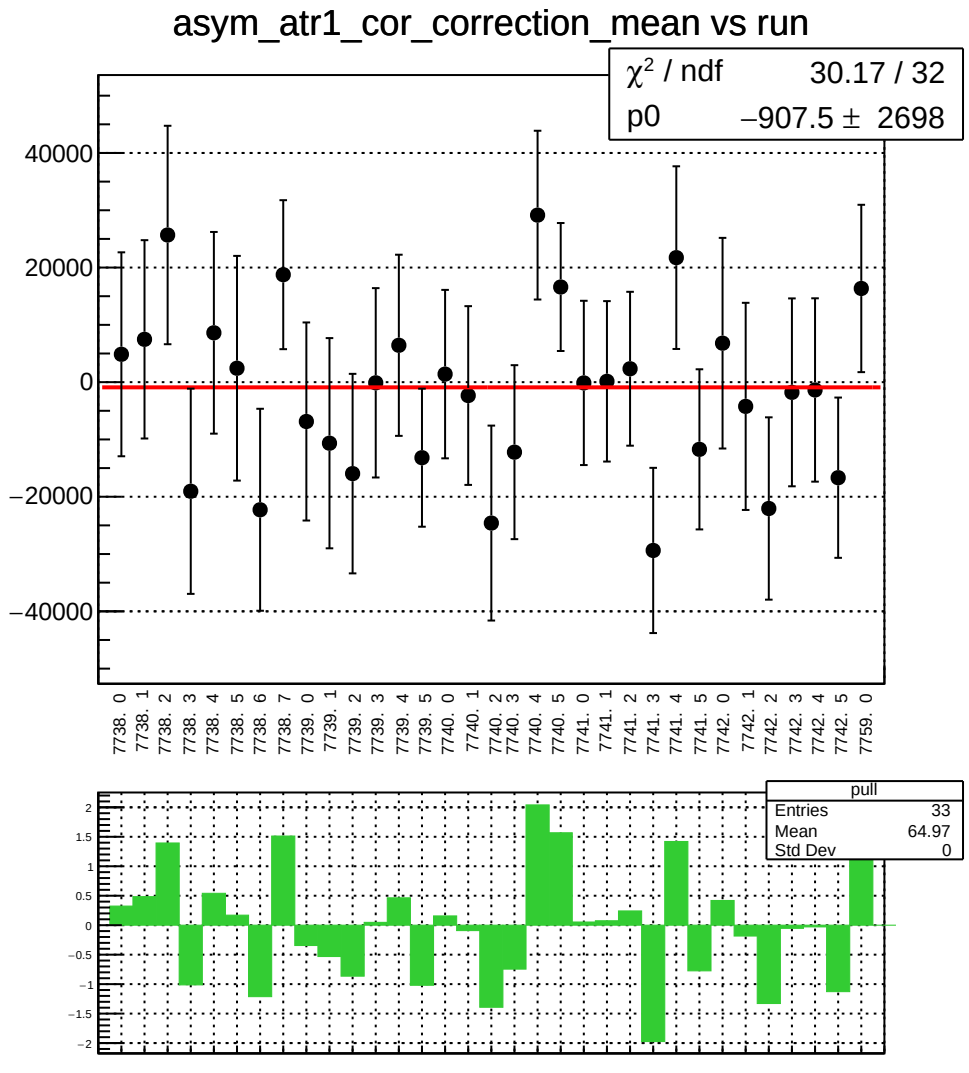

pull1D
Entries 33
Mean −0.0178
Std Dev 0.9561
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

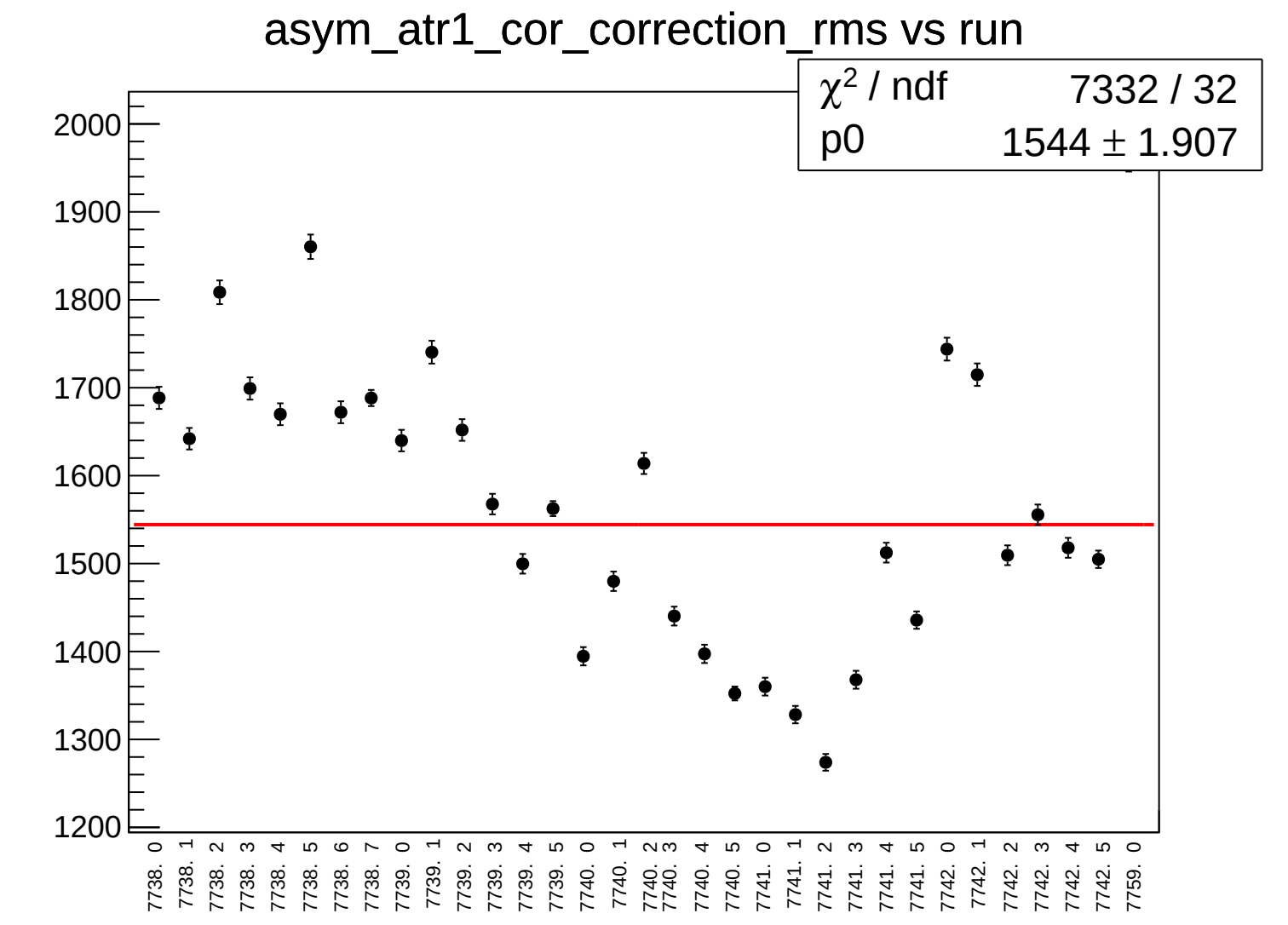

asym_atr1_reg_correction_rms vs run
χ² / ndf 7329 / 32
p0 1544 ± 1.907
2000
1900
1800
1700
1600
1500
1400
1300
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

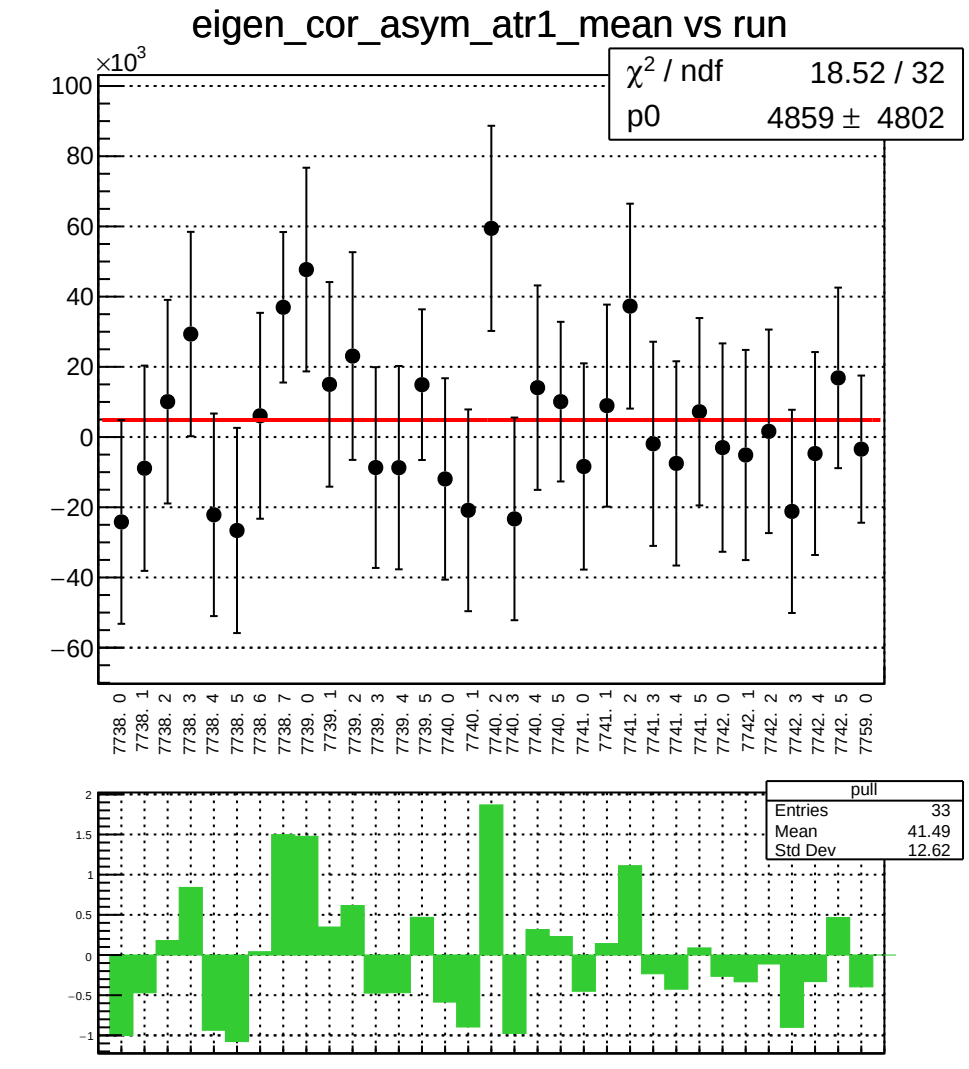

cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 18.52 / 32
p0 4859 ± 4802
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 41.49
Std Dev 12.62
2
1.5
1
0.5
0
−0.5
−1

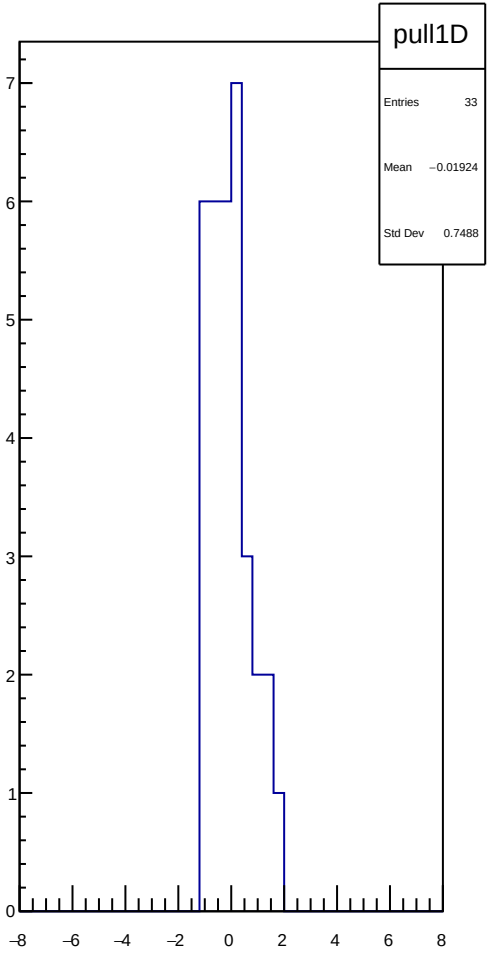

pull1D
Entries 33
Mean −0.01924
Std Dev 0.7488
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

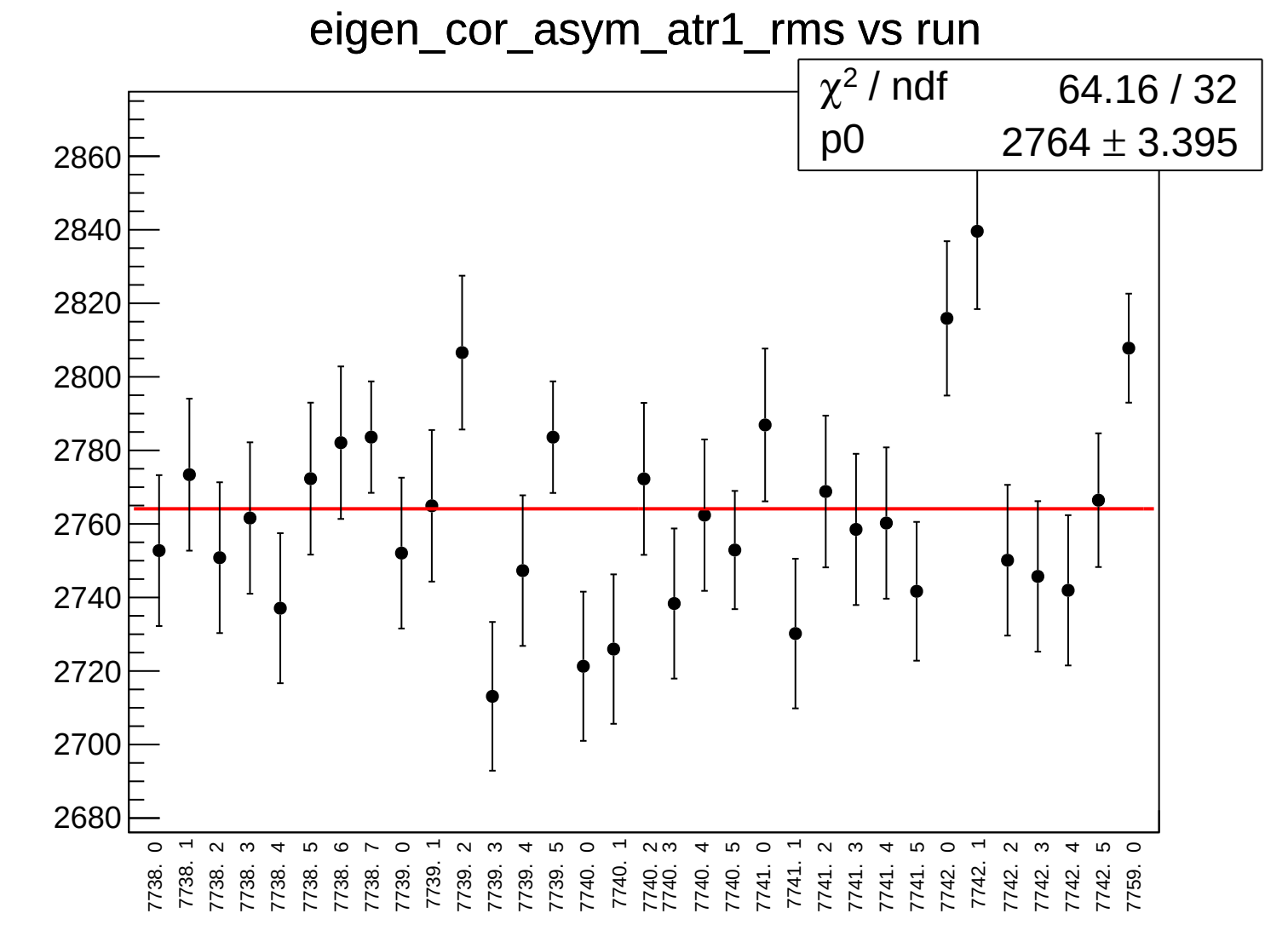

cor_asym_atr1_rms vs run
χ² / ndf 64.16 / 32
p0 2764 ± 3.395
2860
2840
2820
2800
2780
2760
2740
2720
2700
2680
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

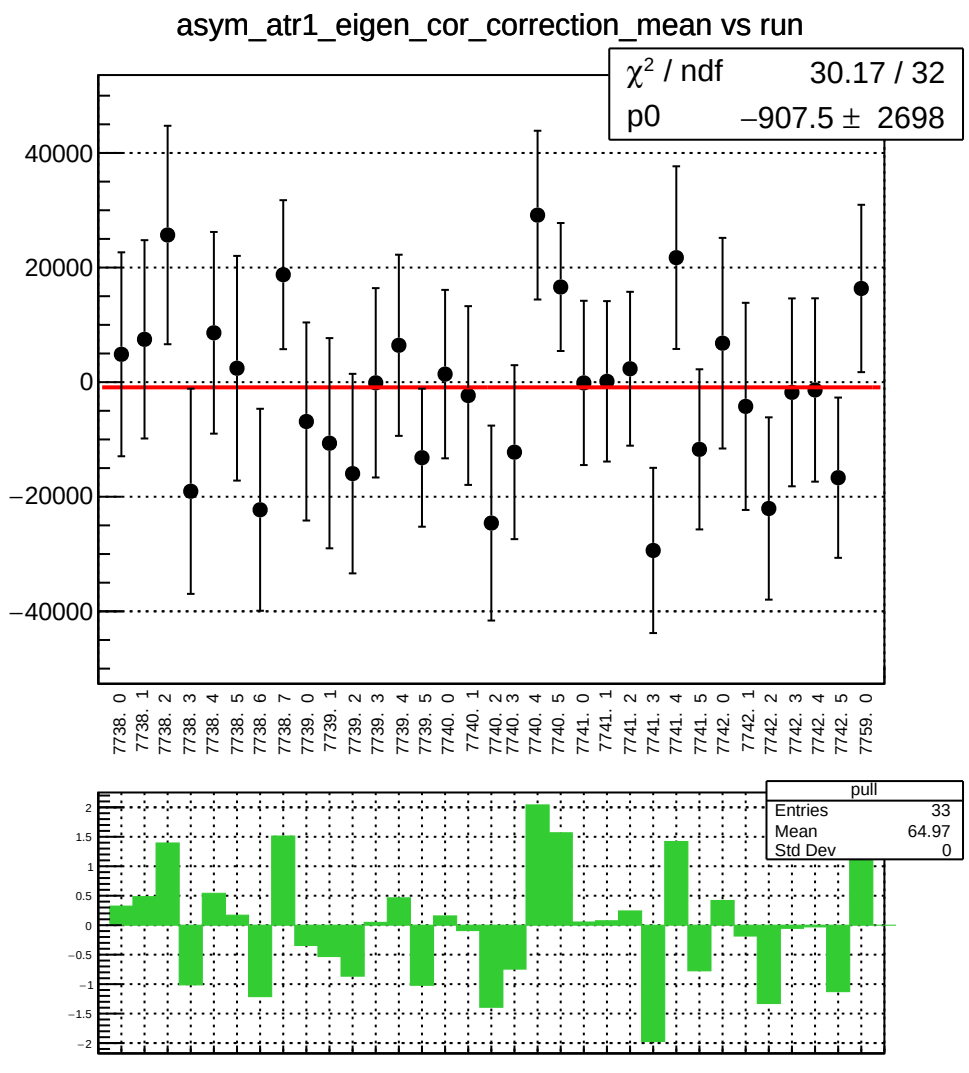

asym_atr1_cor_correction_mean vs run
χ² / ndf 30.17 / 32
p0 −907.5 ± 2698
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 64.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01781
Std Dev 0.956
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

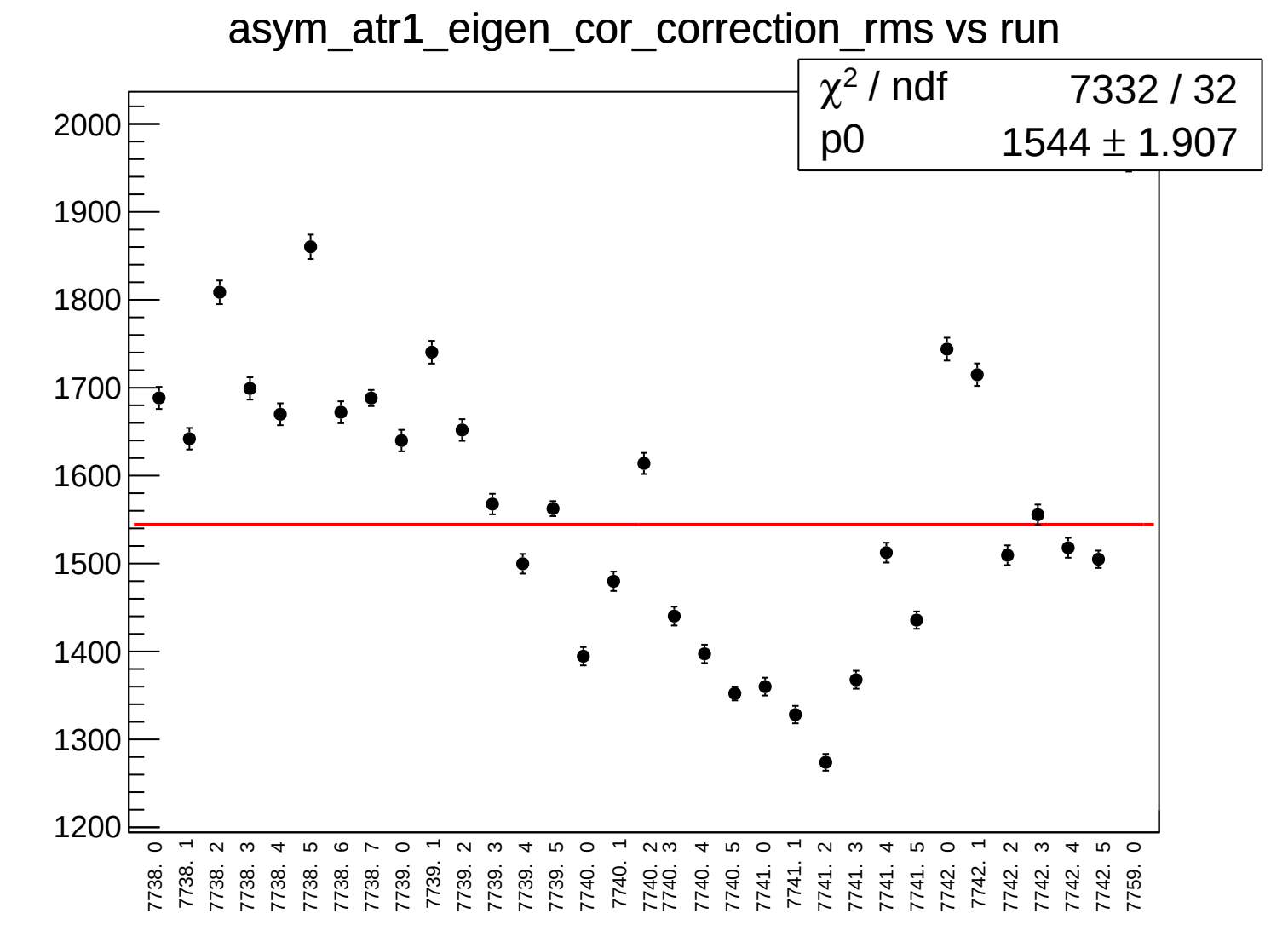

asym_atr1_cor_correction_rms vs run
χ² / ndf 7332 / 32
p0 1544 ± 1.907
2000
1900
1800
1700
1600
1500
1400
1300
1200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

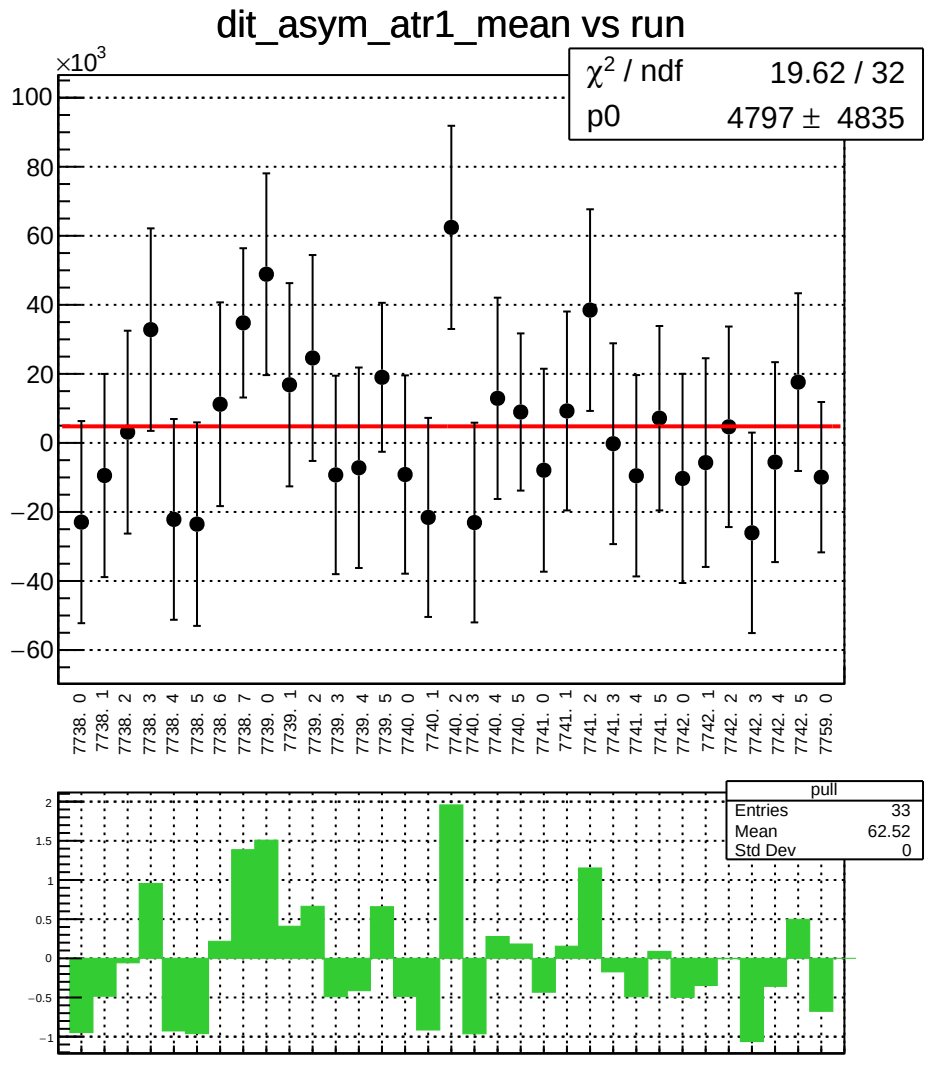

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 18.52 / 32
p0 4859 ± 4802
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 41.49
Std Dev 12.62
2
1.5
1
0.5
0
−0.5
−1

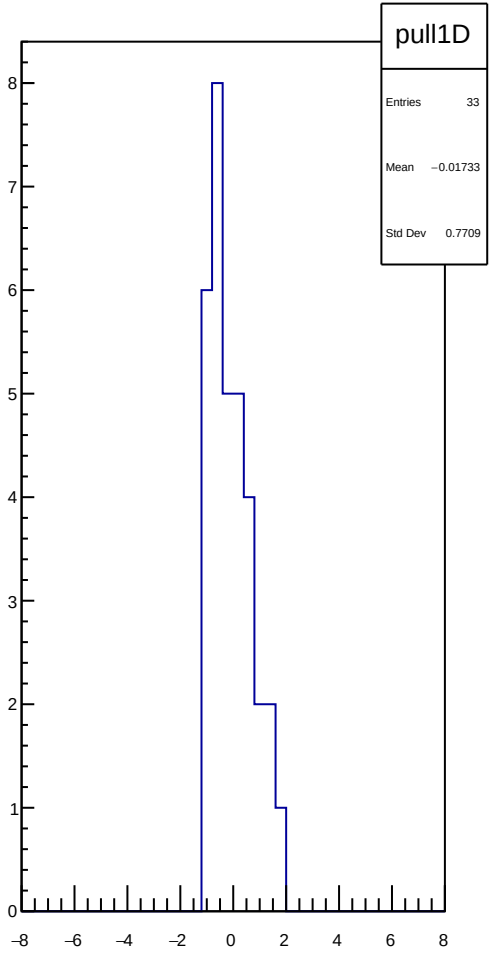

pull1D
Entries 33
Mean −0.01924
Std Dev 0.7488
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

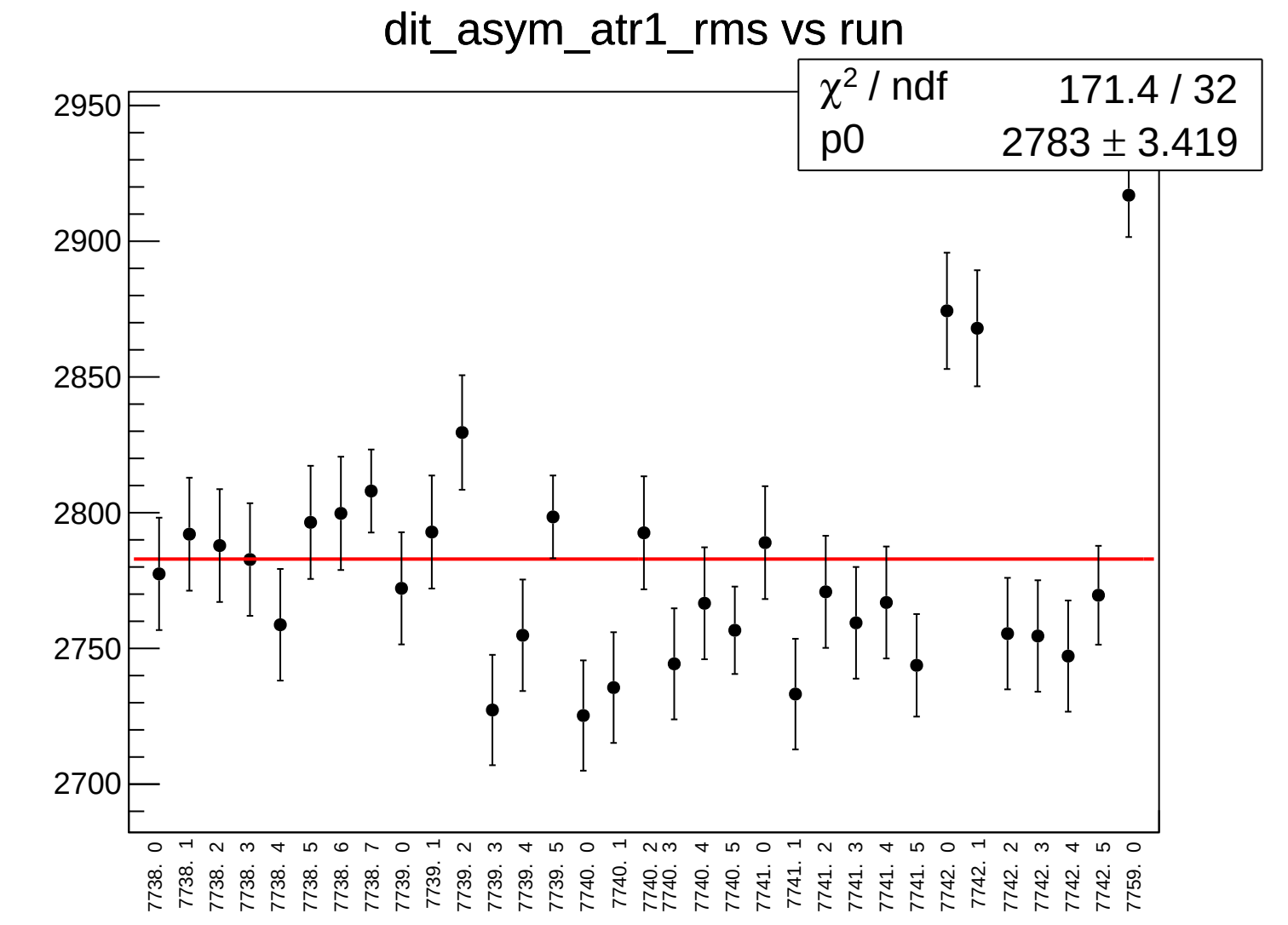

eigen_cor_asym_atr1_rms vs run
χ² / ndf 64.16 / 32
p0 2764 ± 3.395
2860
2840
2820
2800
2780
2760
2740
2720
2700
2680
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

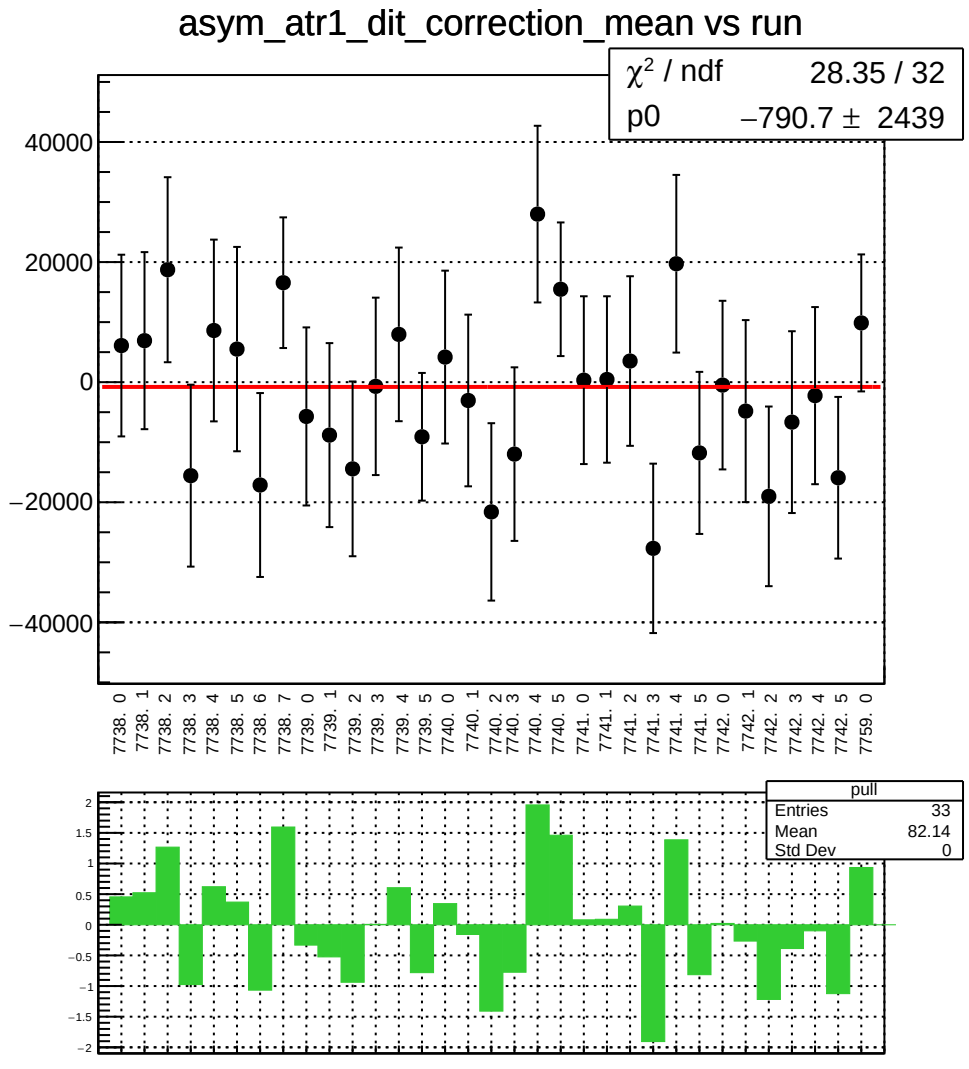

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 30.17 / 32
p0 −907.5 ± 2698
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 64.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01781
Std Dev 0.956
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

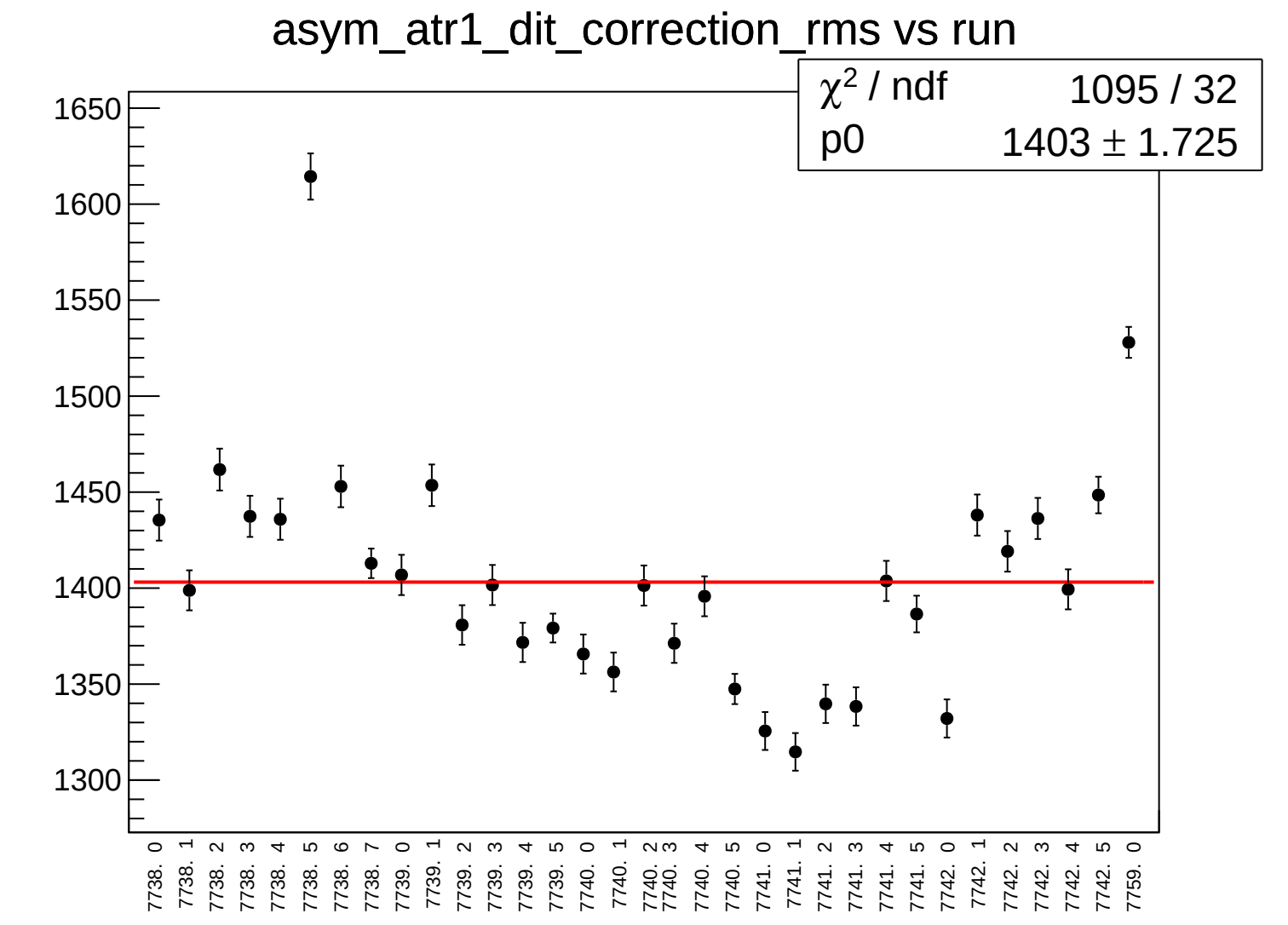

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 7332 / 32
p0 1544 ± 1.907
2000
1900
1800
1700
1600
1500
1400
1300
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

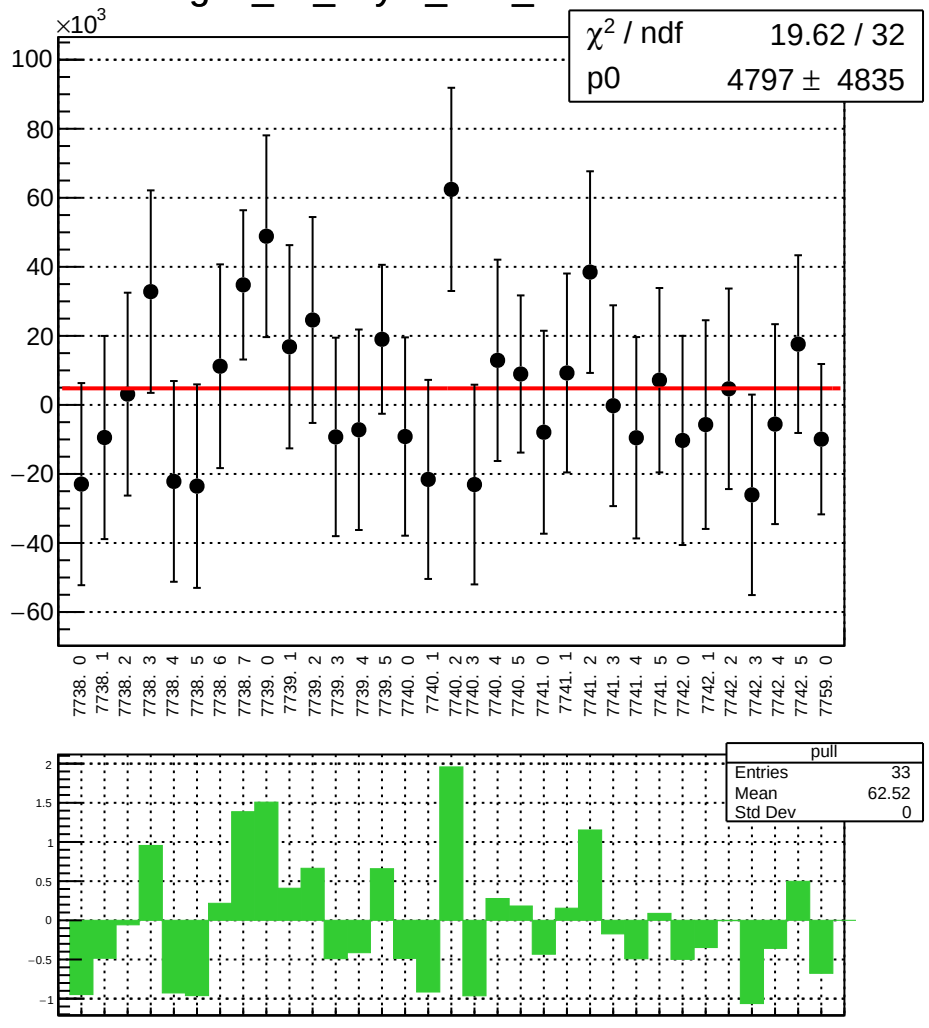

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 19.62 / 32
p0 4797 ± 4835
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 62.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

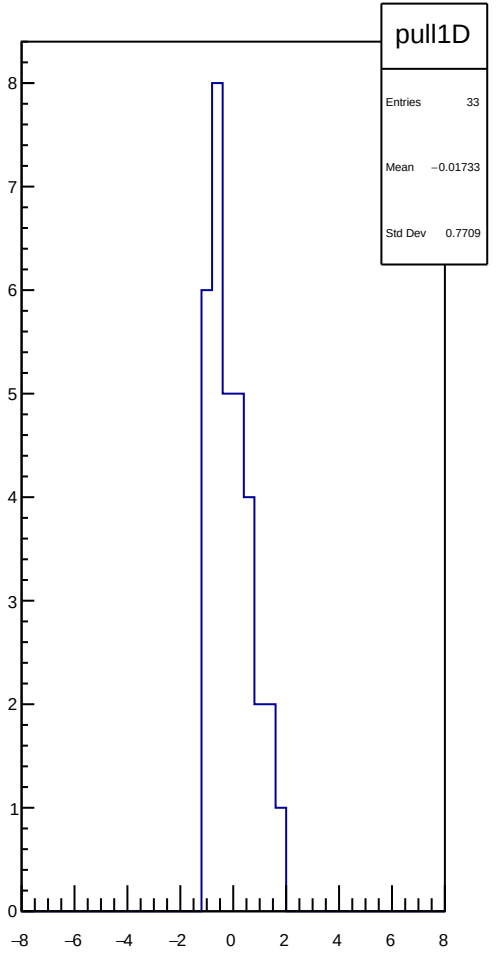

pull1D
Entries 33
Mean −0.01733
Std Dev 0.7709
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

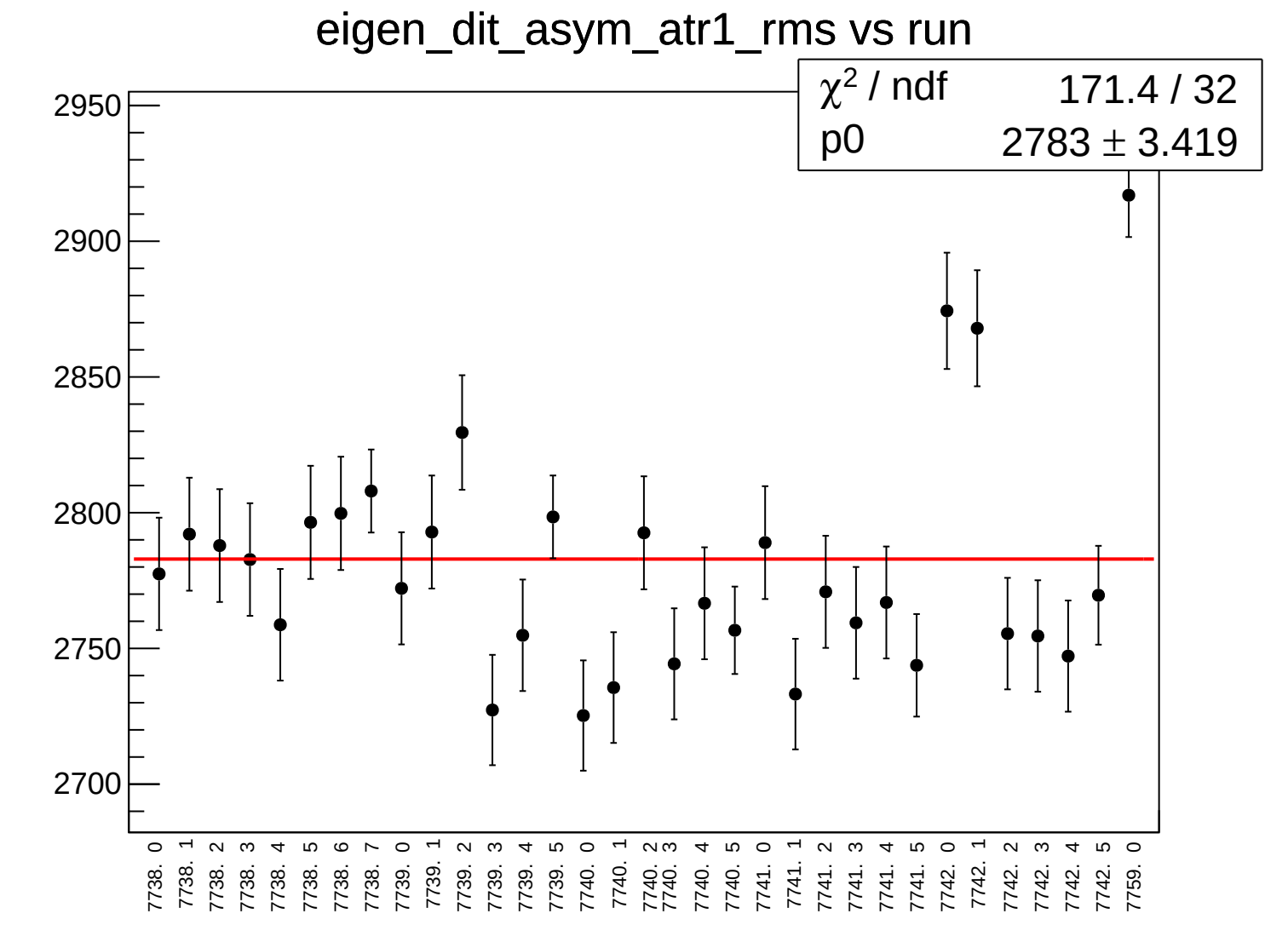

dit_asym_atr1_rms vs run
χ² / ndf 171.4 / 32
p0 2783 ± 3.419
2950
2900
2850
2800
2750
2700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

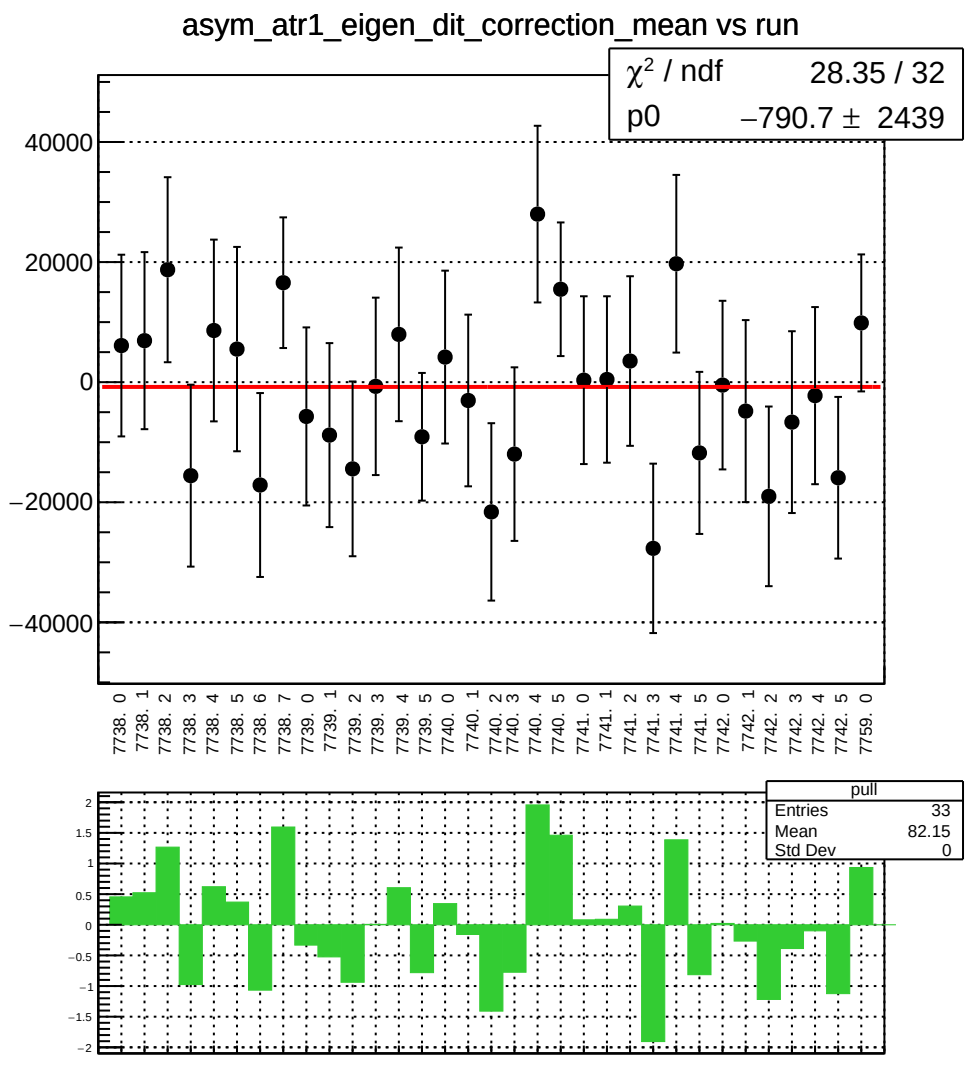

asym_atr1_dit_correction_mean vs run
χ² / ndf 28.35 / 32
p0 −790.7 ± 2439
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 82.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02271
Std Dev 0.9266
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

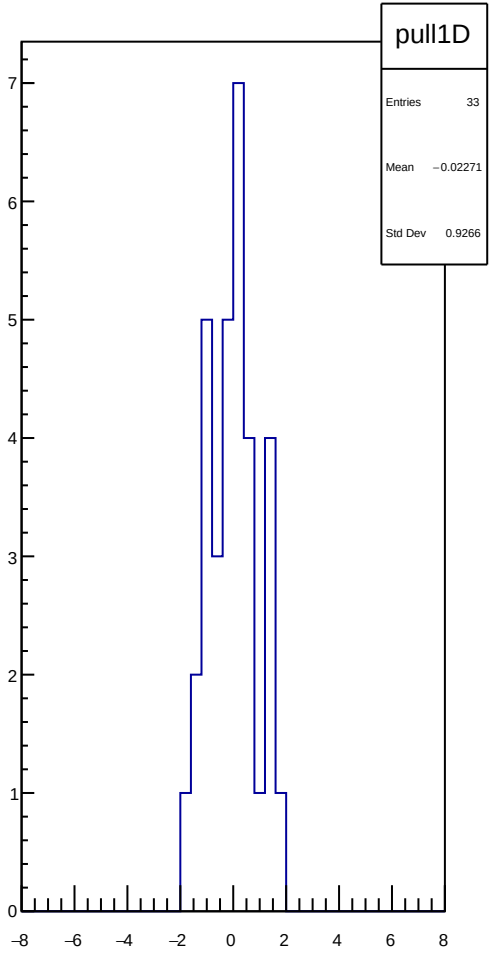

asym_atr1_dit_correction_rms vs run
χ² / ndf 1095 / 32
p0 1403 ± 1.725
1650
1600
1550
1500
1450
1400
1350
1300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

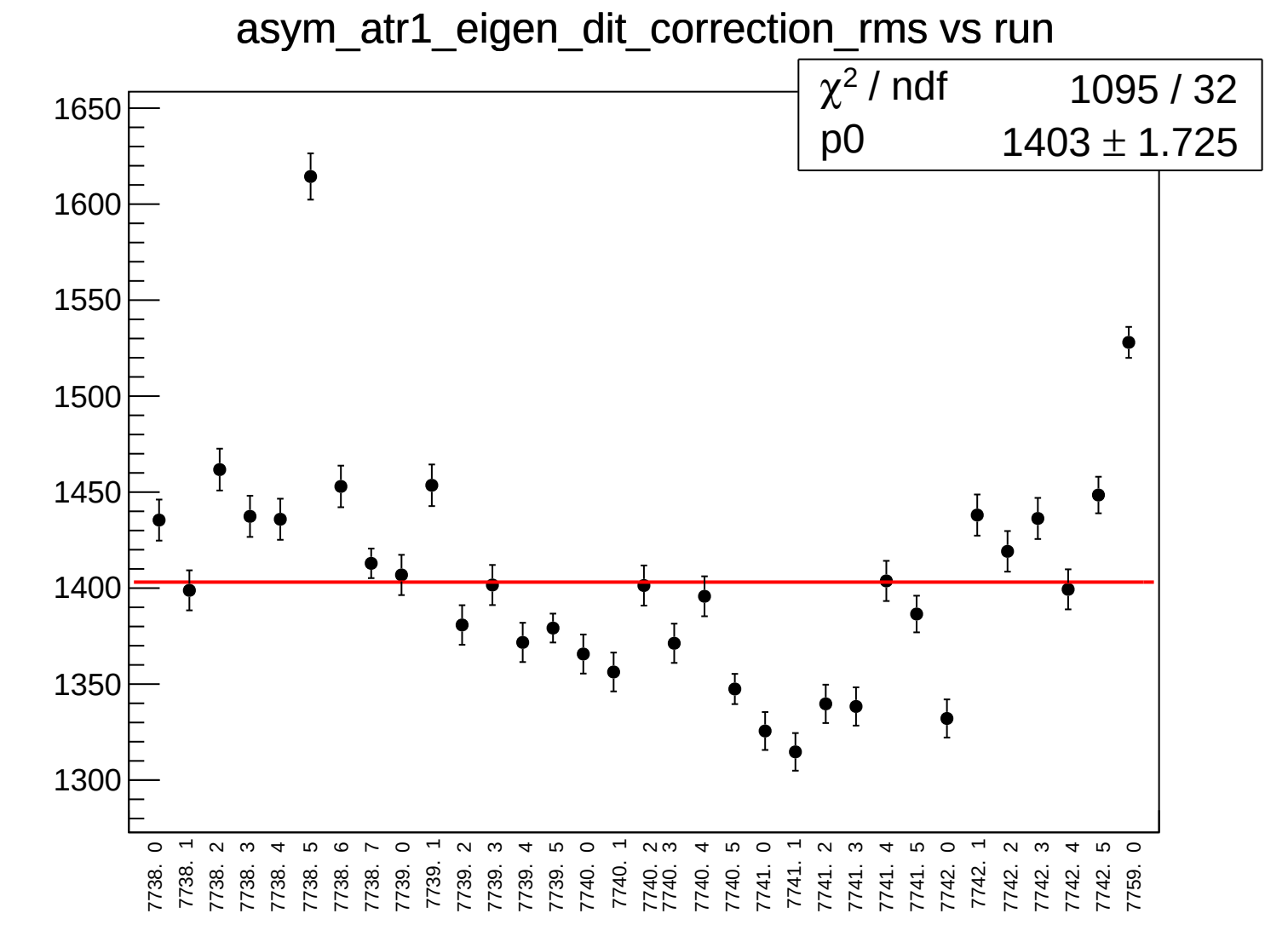

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 19.62 / 32
p0 4797 ± 4835
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 62.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

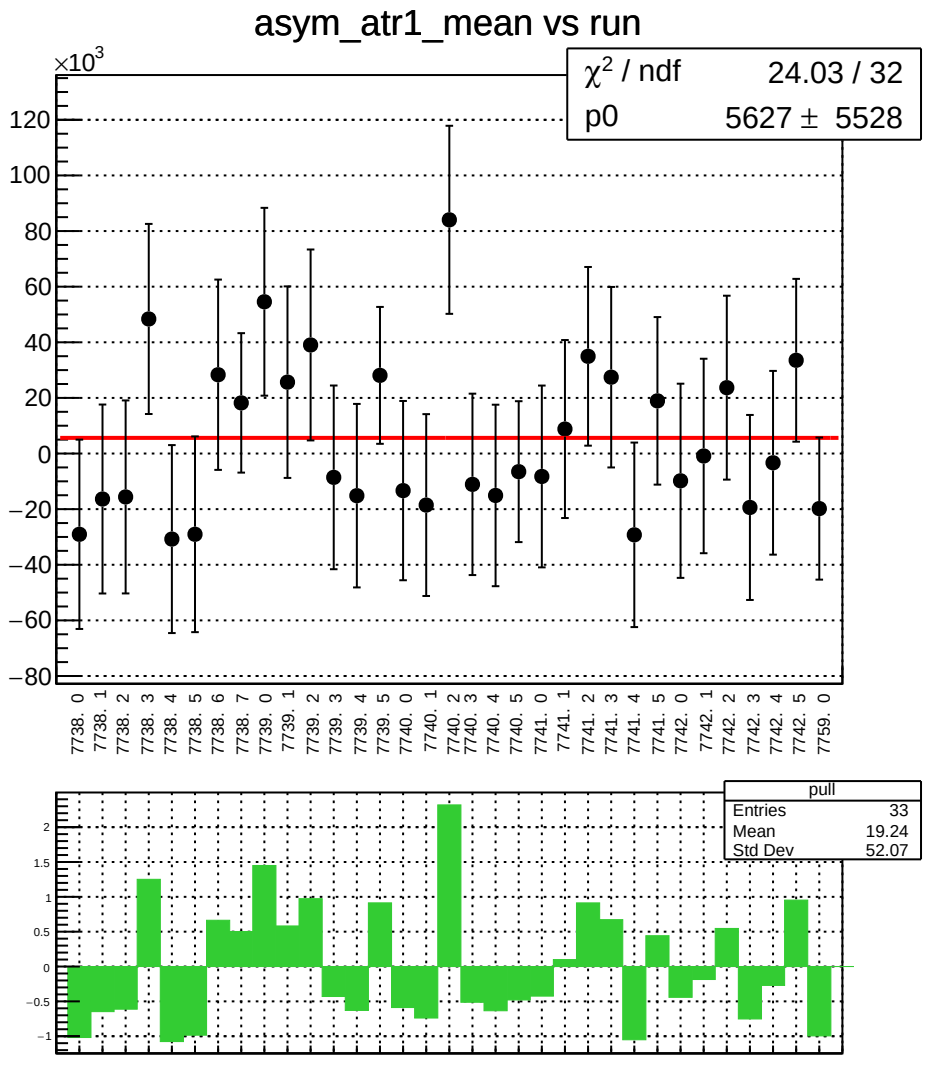

pull1D
Entries 33
Mean −0.01733
Std Dev 0.7709
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

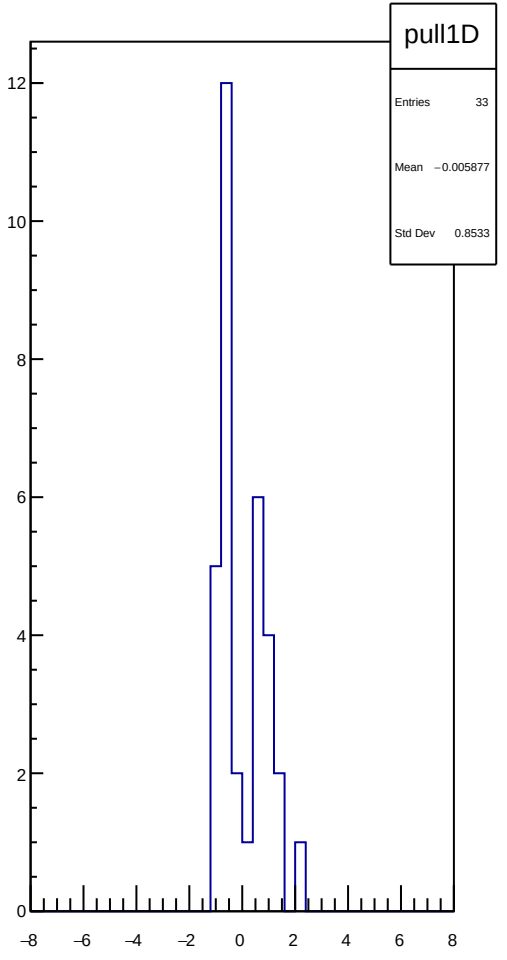

eigen_dit_asym_atr1_rms vs run
χ² / ndf 171.4 / 32
p0 2783 ± 3.419
2950
2900
2850
2800
2750
2700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

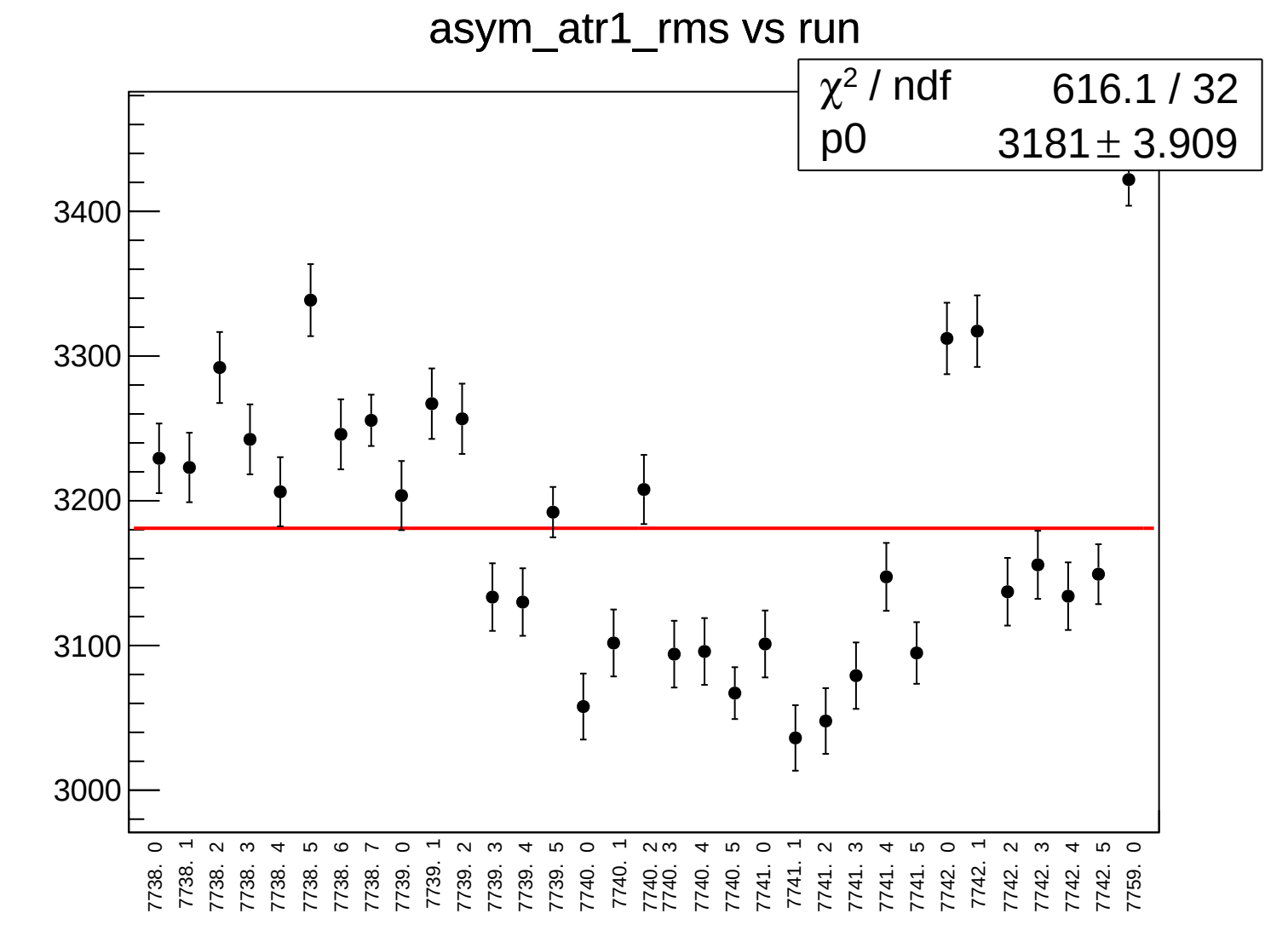

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 28.35 / 32
p0 −790.7 ± 2439
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 82.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

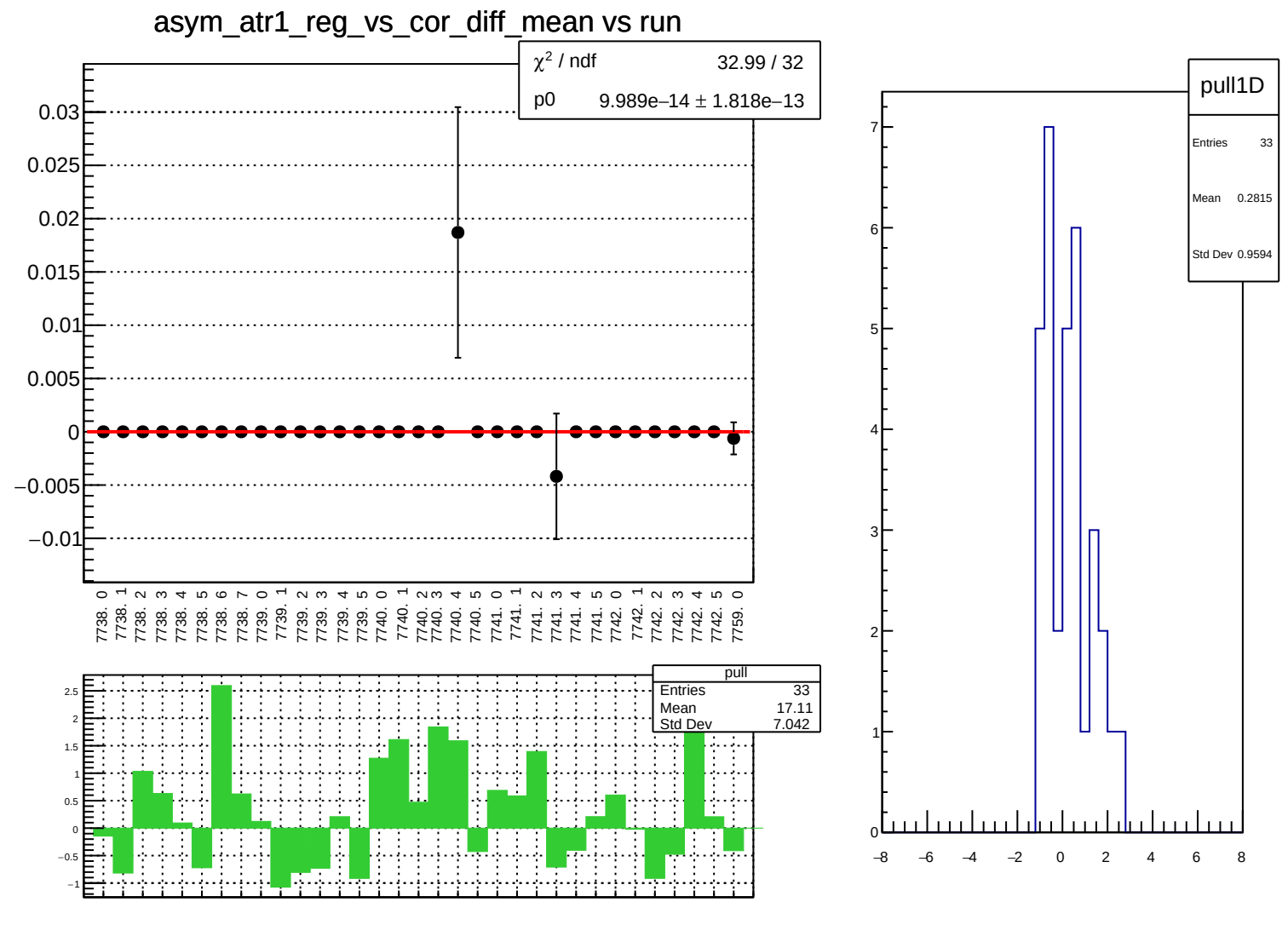

pull1D
Entries 33
Mean −0.02271
Std Dev 0.9266
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

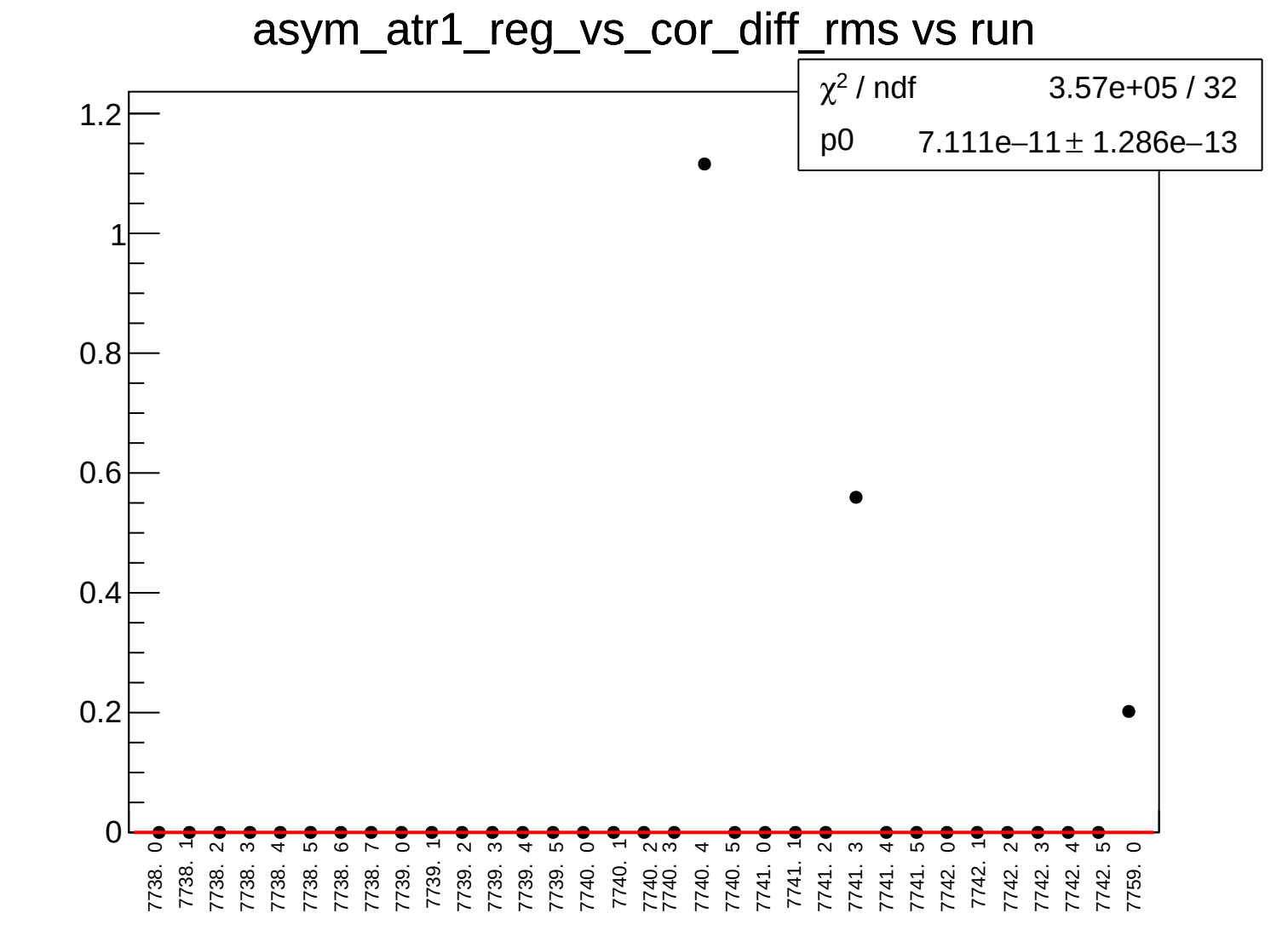

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1095 / 32
p0 1403 ± 1.725
1650
1600
1550
1500
1450
1400
1350
1300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

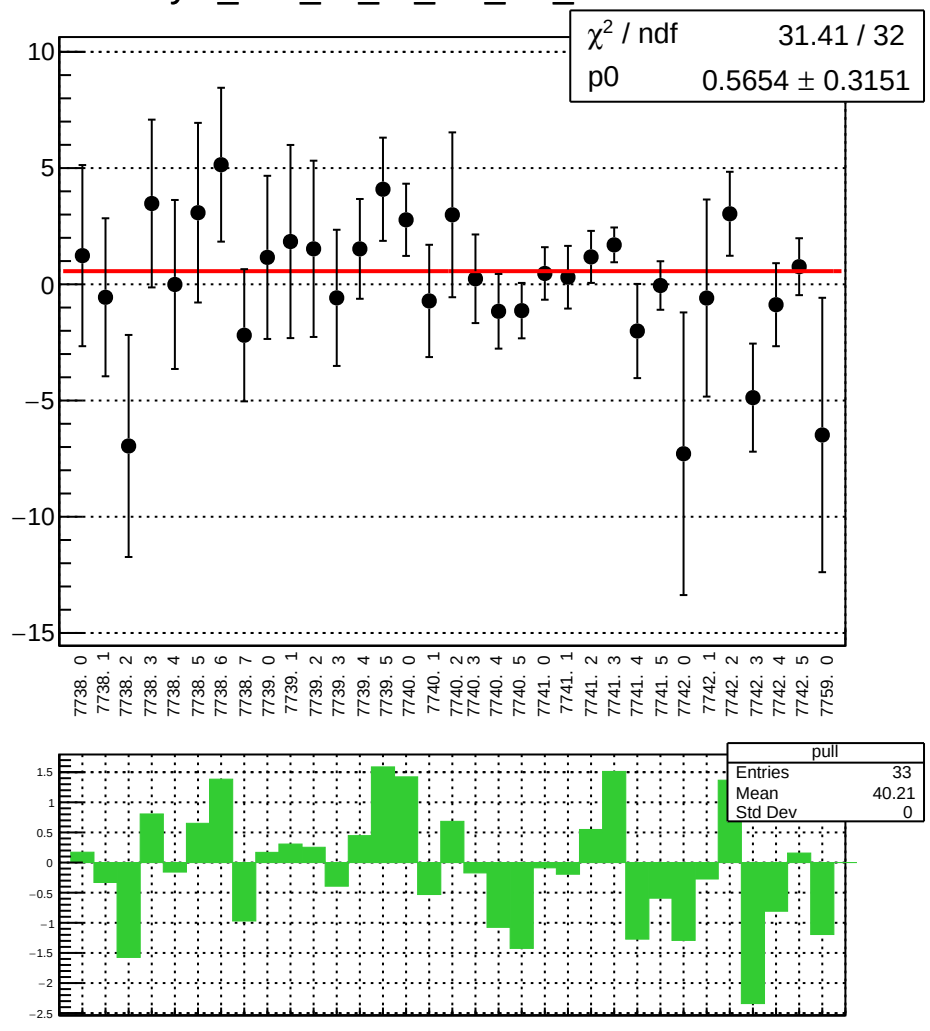

asym_atr1_mean vs run
×10^3
χ² / ndf 24.03 / 32
p0 5627 ± 5528
120
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.24
Std Dev 52.07
2
1.5
1
0.5
0
−0.5
−1

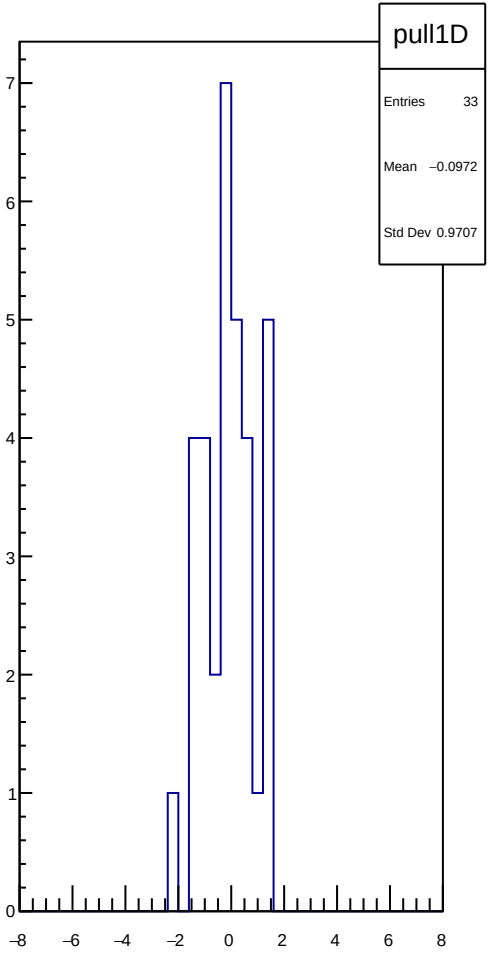

pull1D
Entries 33
Mean −0.005877
Std Dev 0.8533
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

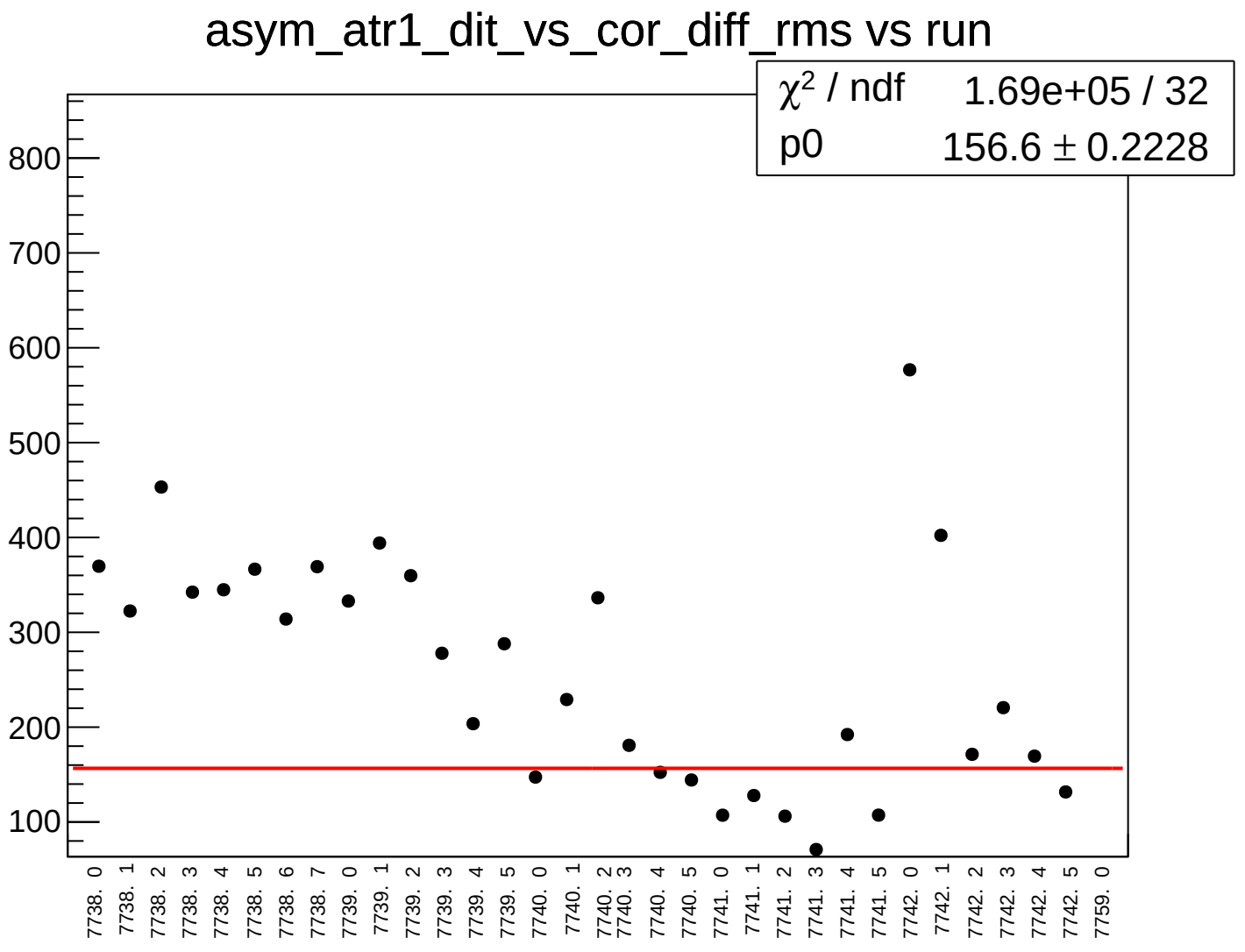

asym_atr1_rms vs run
χ² / ndf 616.1 / 32
p0 3181 ± 3.909
3400
3300
3200
3100
3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

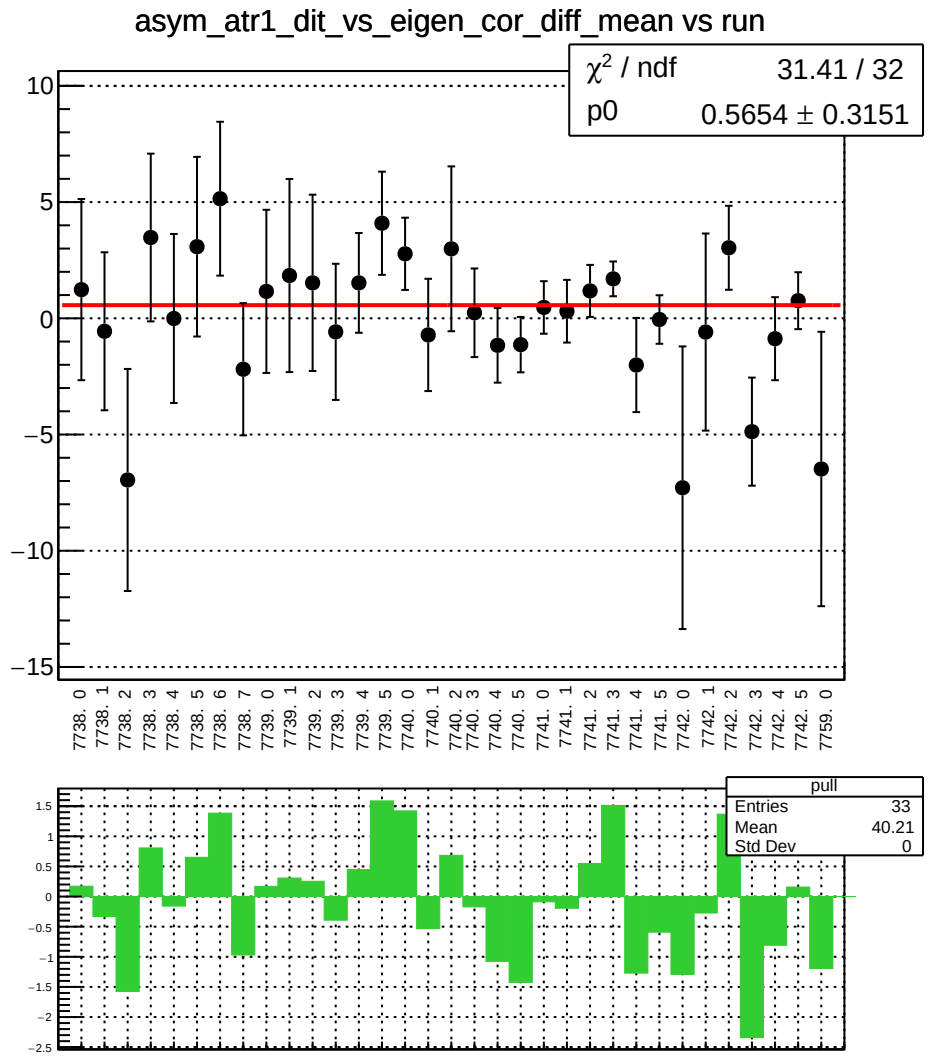

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 32.99 / 32
p0 9.989e−14 ± 1.818e−13
0.03
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.11
Std Dev 7.042
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.2815
Std Dev 0.9594
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

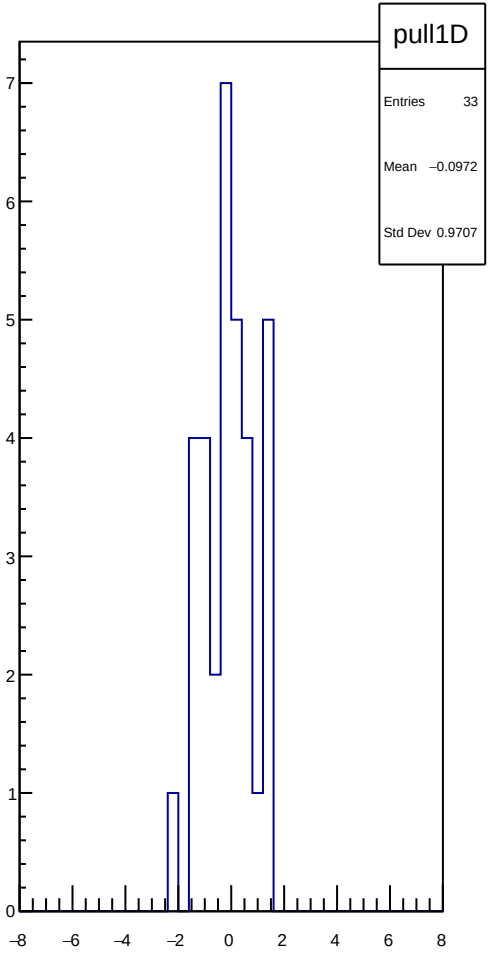

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 3.57e+05 / 32
p0 7.111e−11 ± 1.286e−13
1.2
1
0.8
0.6
0.4
0.2
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

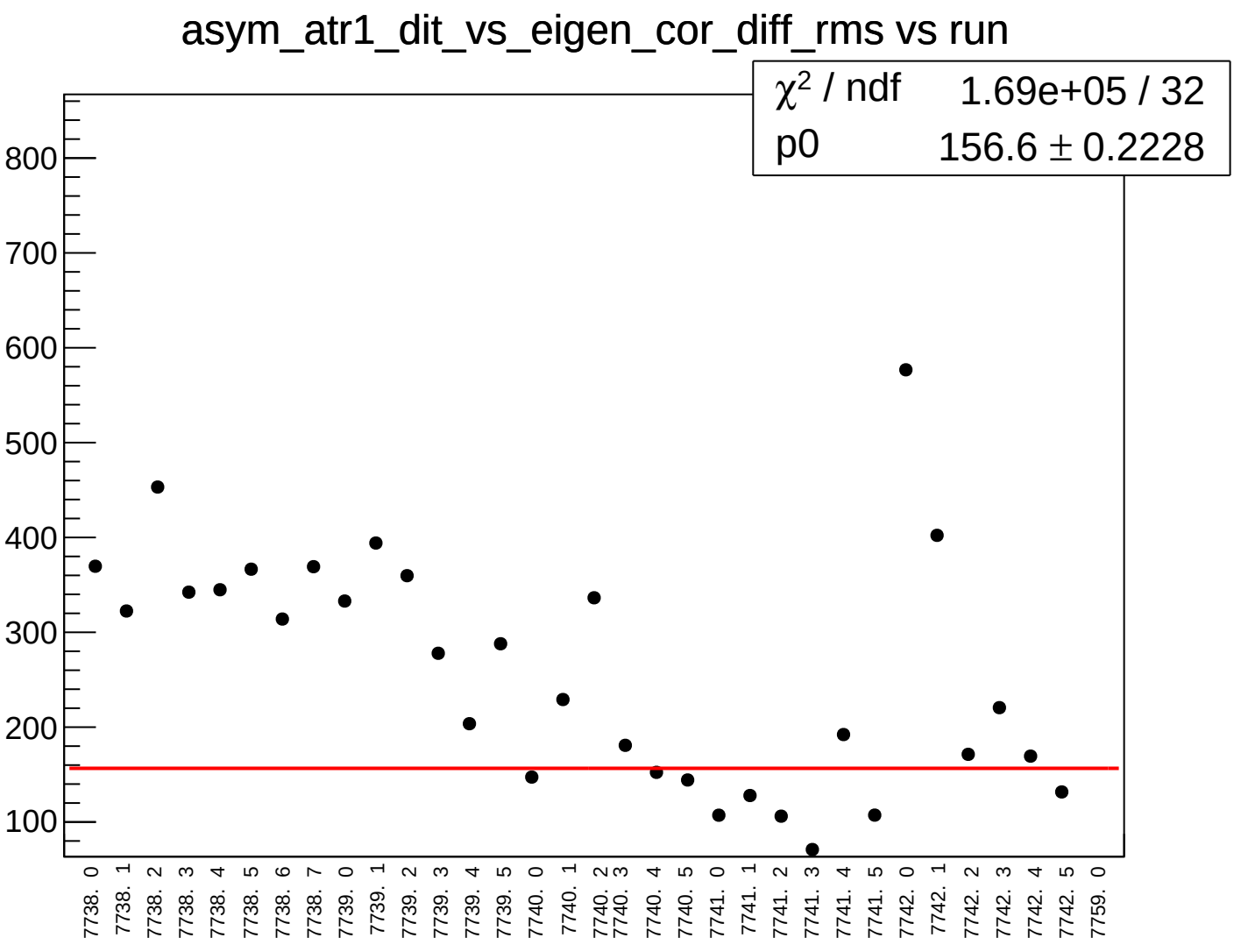

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 31.41 / 32
p0 0.5654 ± 0.3151
pull
Entries 33
Mean 40.21
Std Dev 0

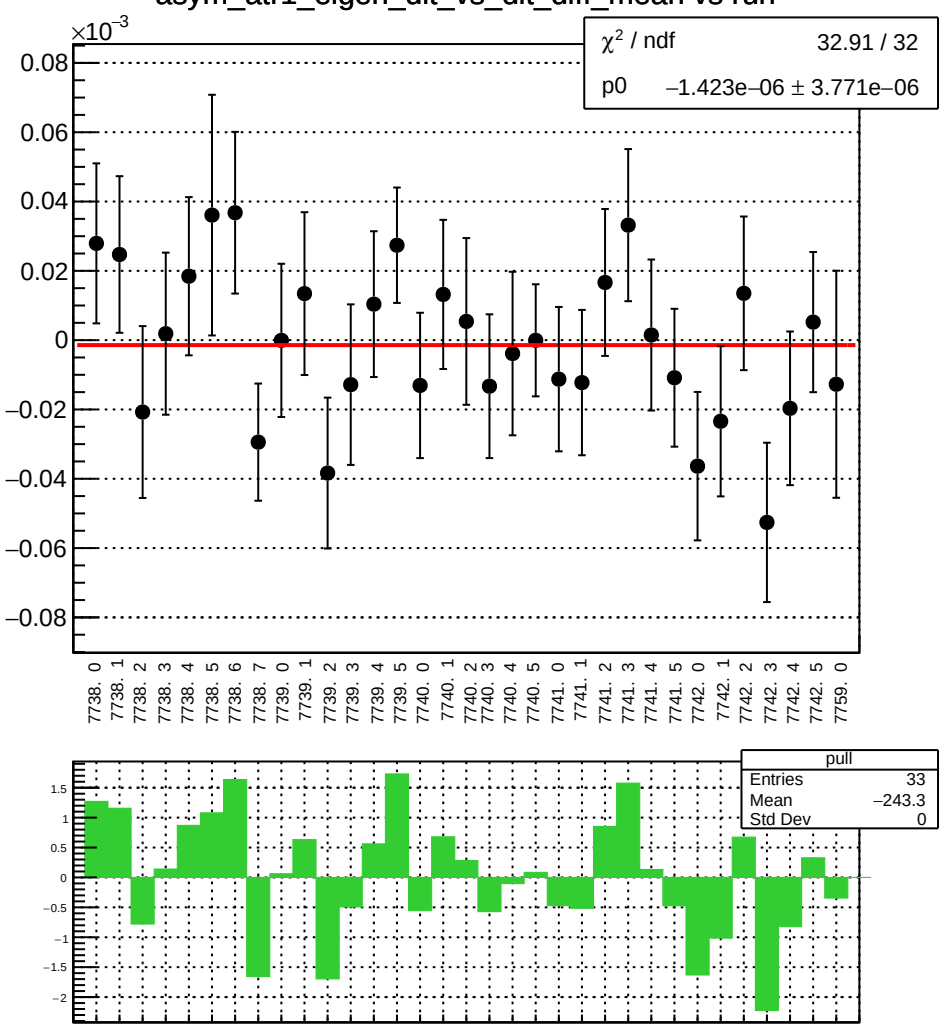

pull1D
Entries 33
Mean −0.0972
Std Dev 0.9707

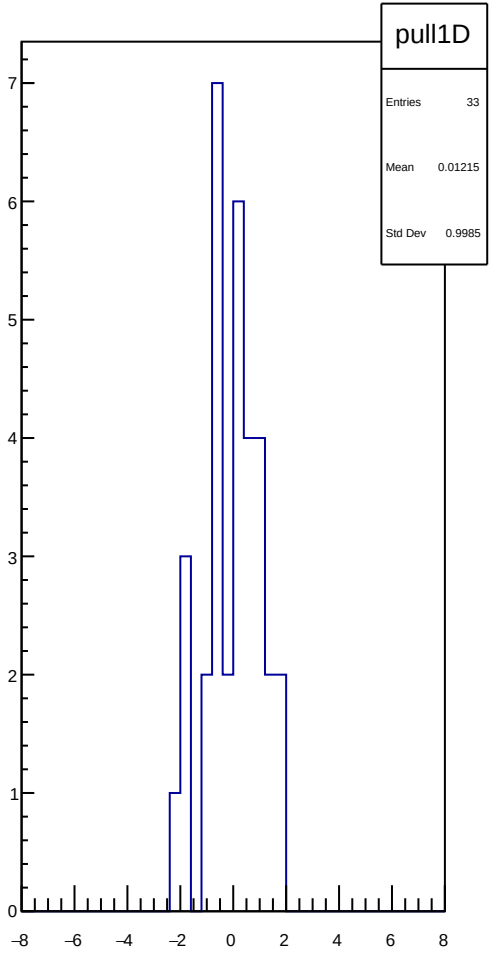

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.69e+05 / 32
p0 156.6 ± 0.2228
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

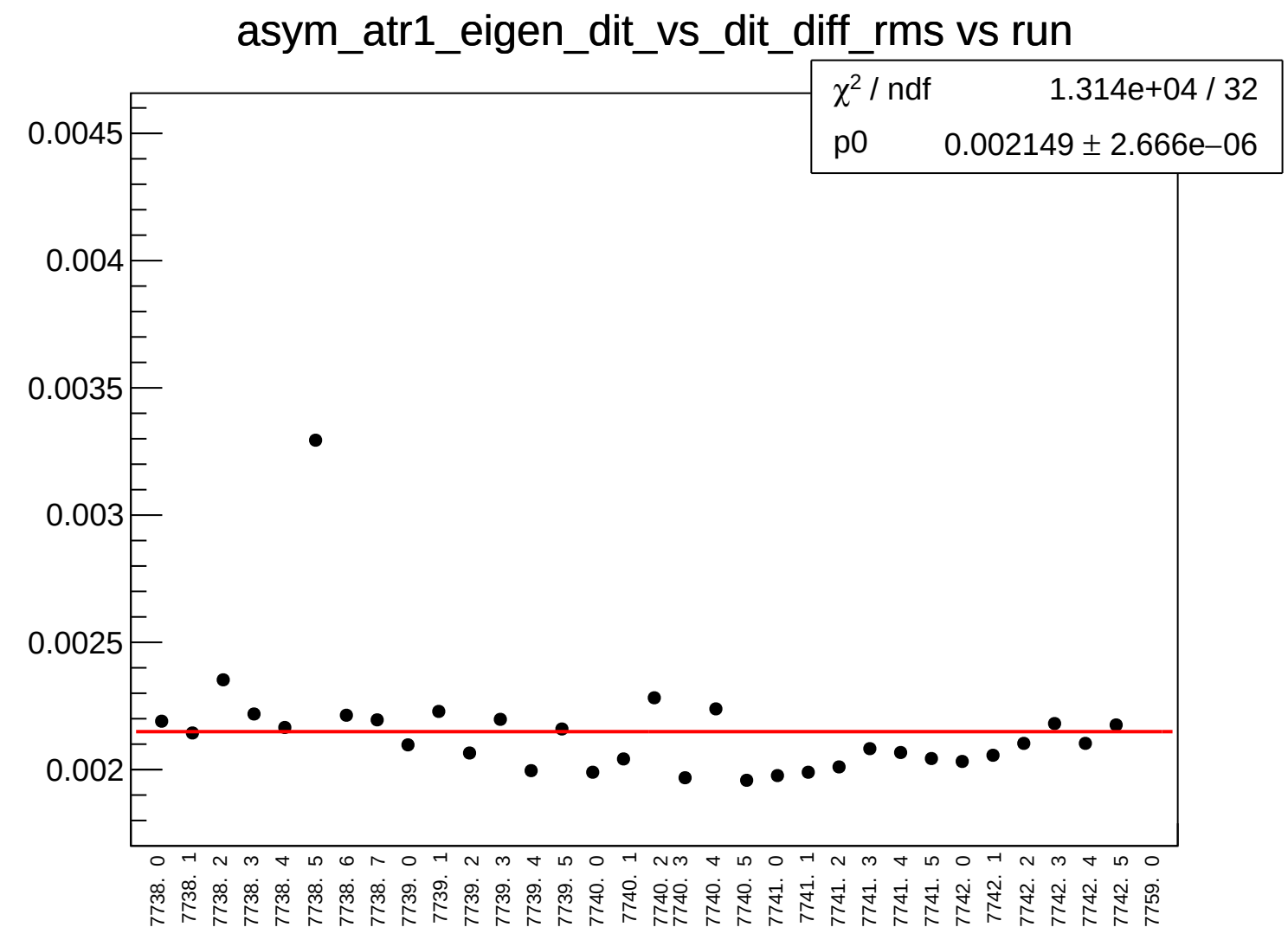

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.41 / 32
p0 0.5654 ± 0.3151
pull
Entries 33
Mean 40.21
Std Dev 0

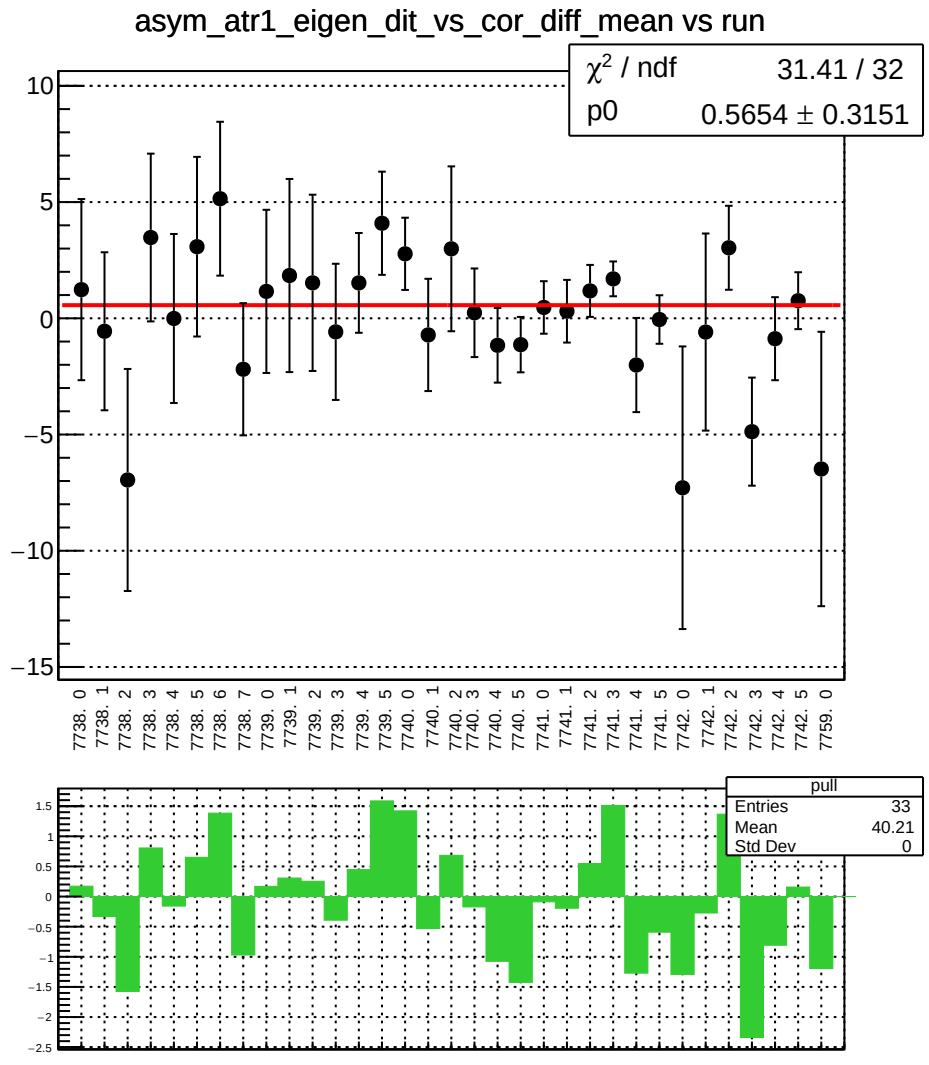

pull1D
Entries 33
Mean −0.0972
Std Dev 0.9707

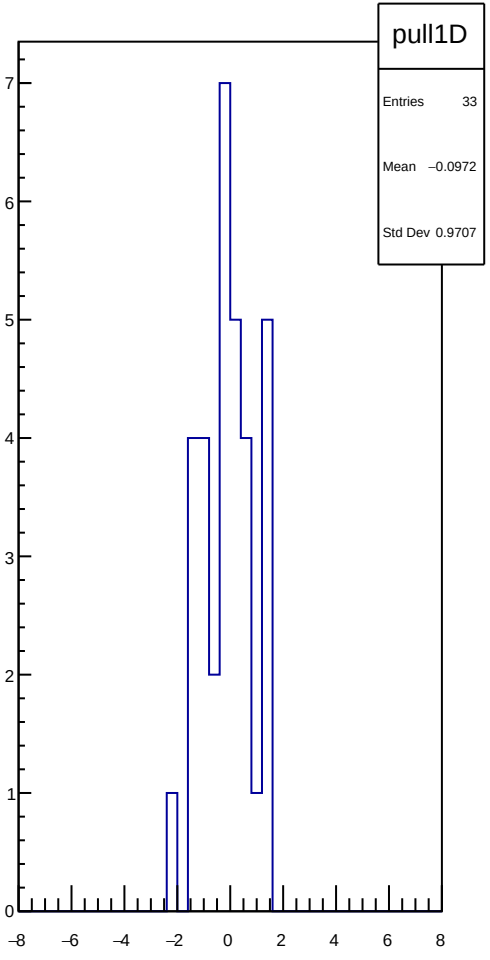

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.69e+05 / 32
p0 156.6 ± 0.2228
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

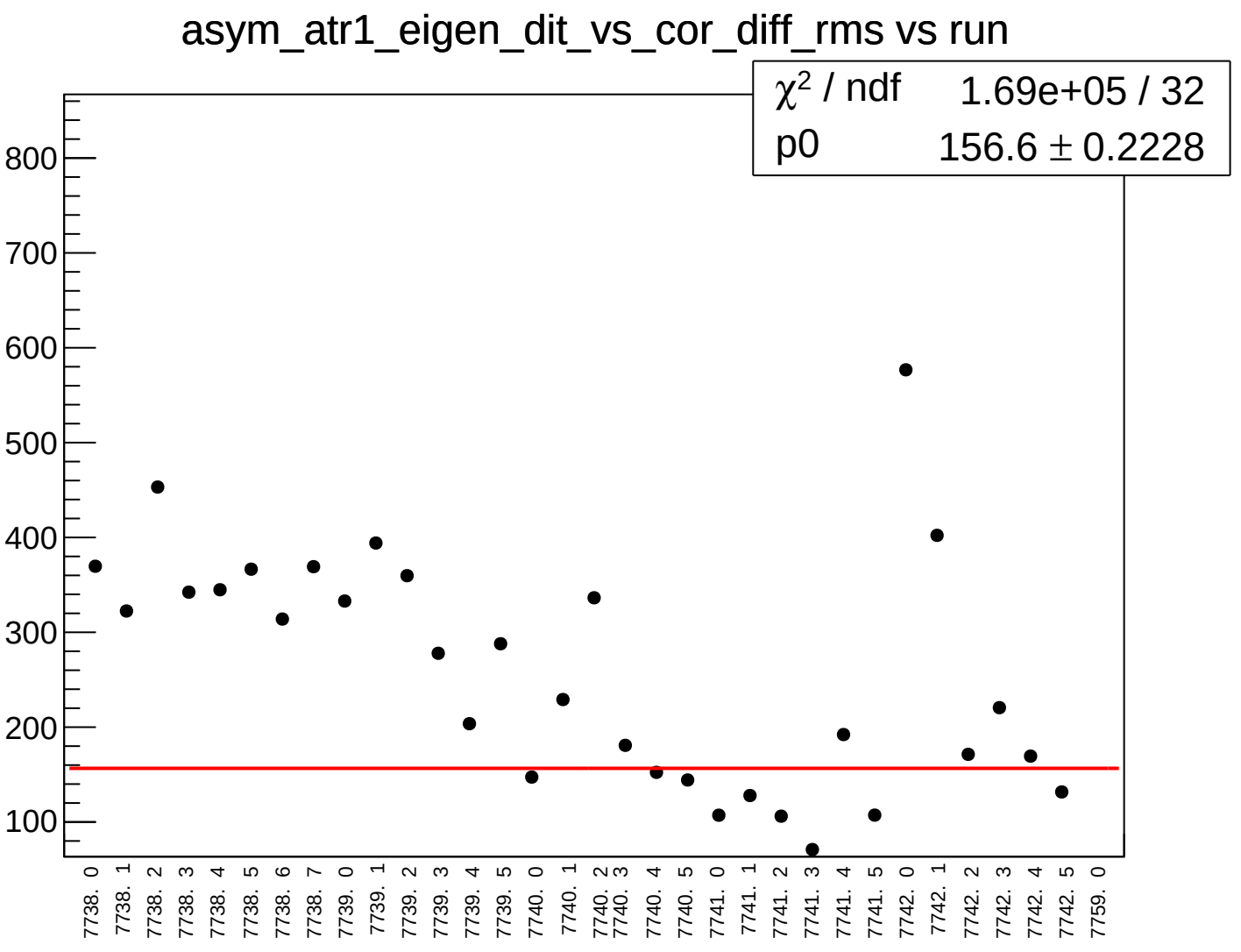

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.91 / 32
p0 −1.423e−06 ± 3.771e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −243.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

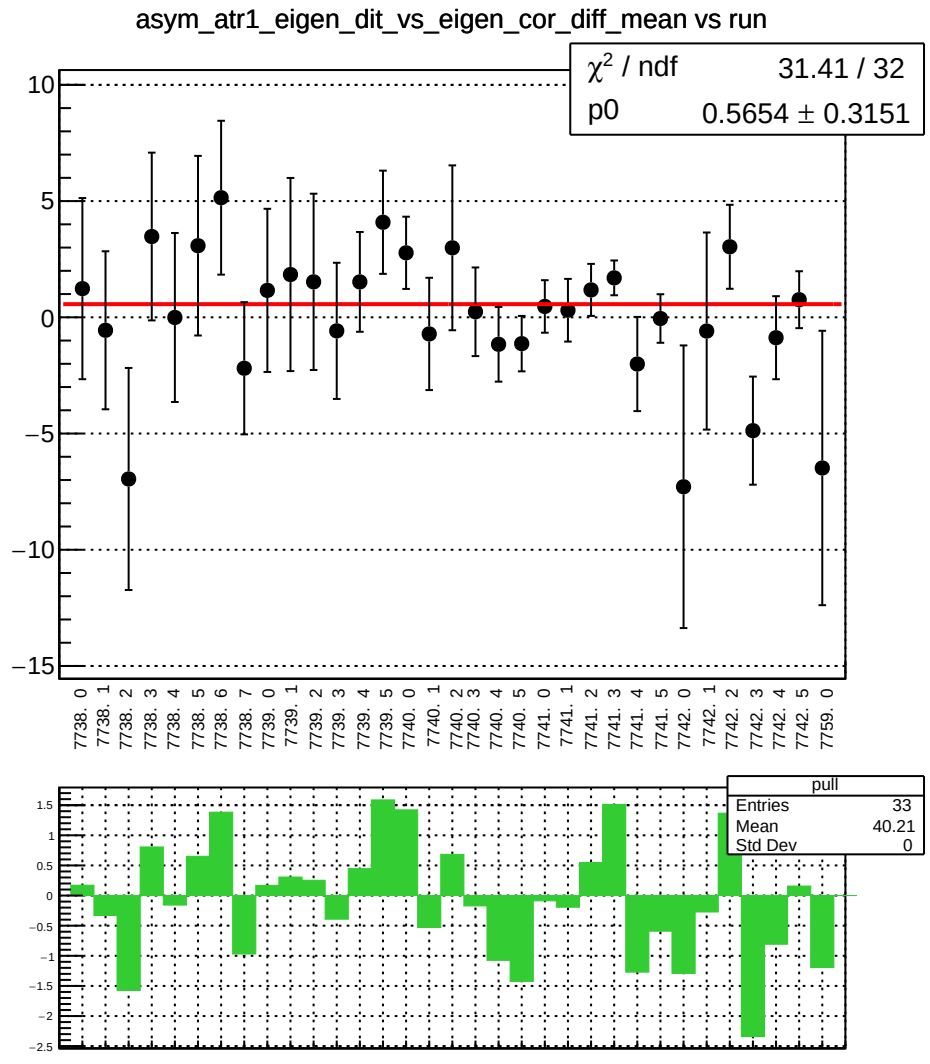

pull1D
Entries 33
Mean 0.01215
Std Dev 0.9985
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

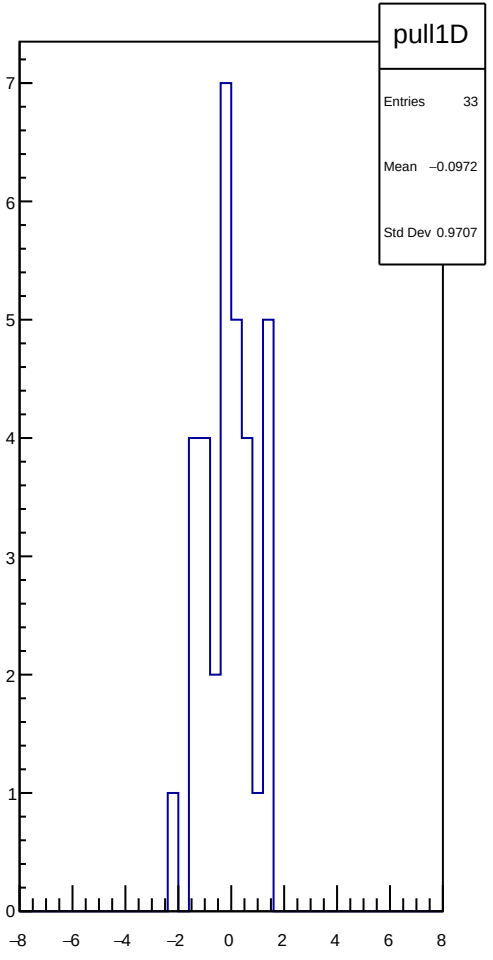

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.314e+04 / 32
p0 0.002149 ± 2.666e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

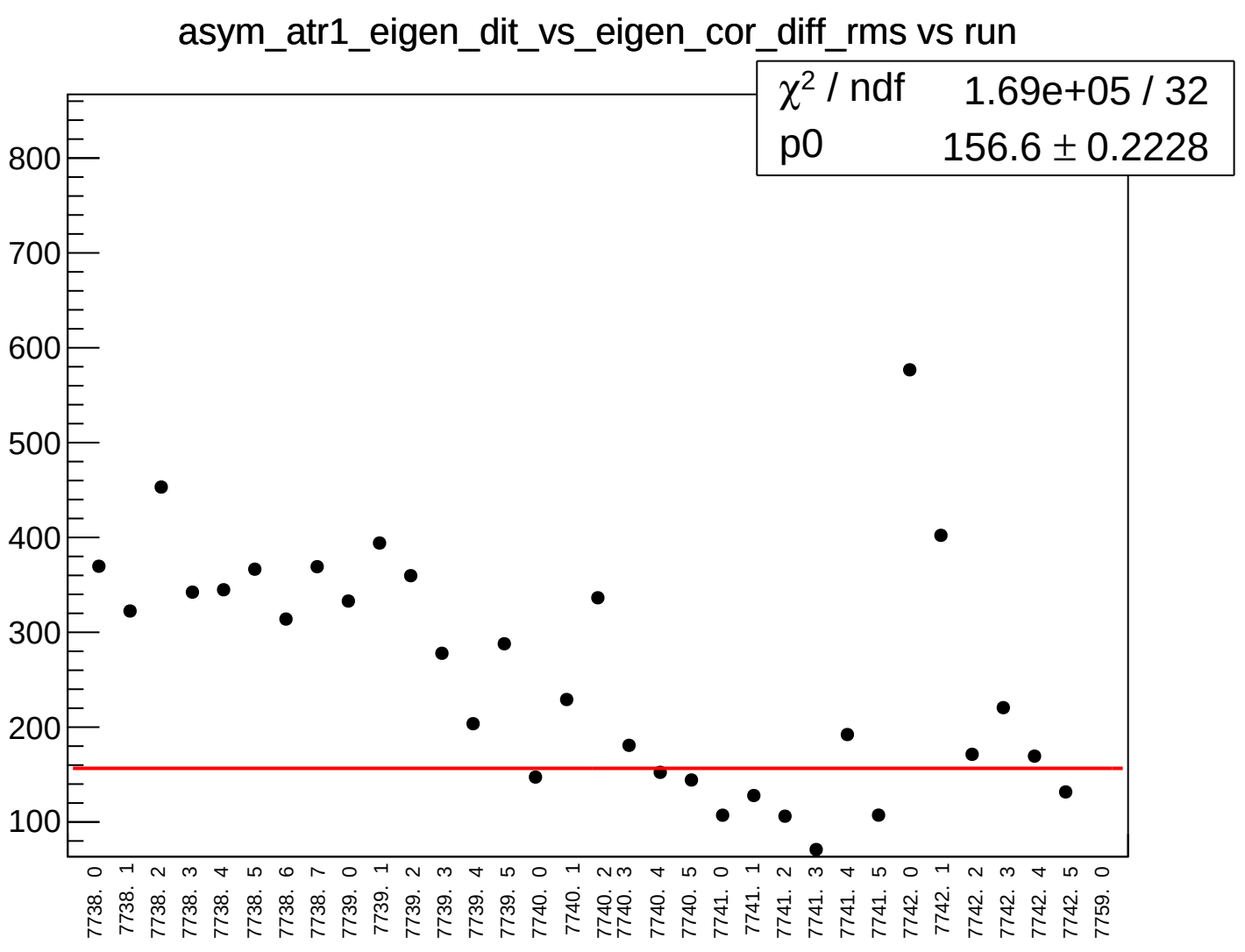

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.41 / 32
p0 0.5654 ± 0.3151
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 40.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

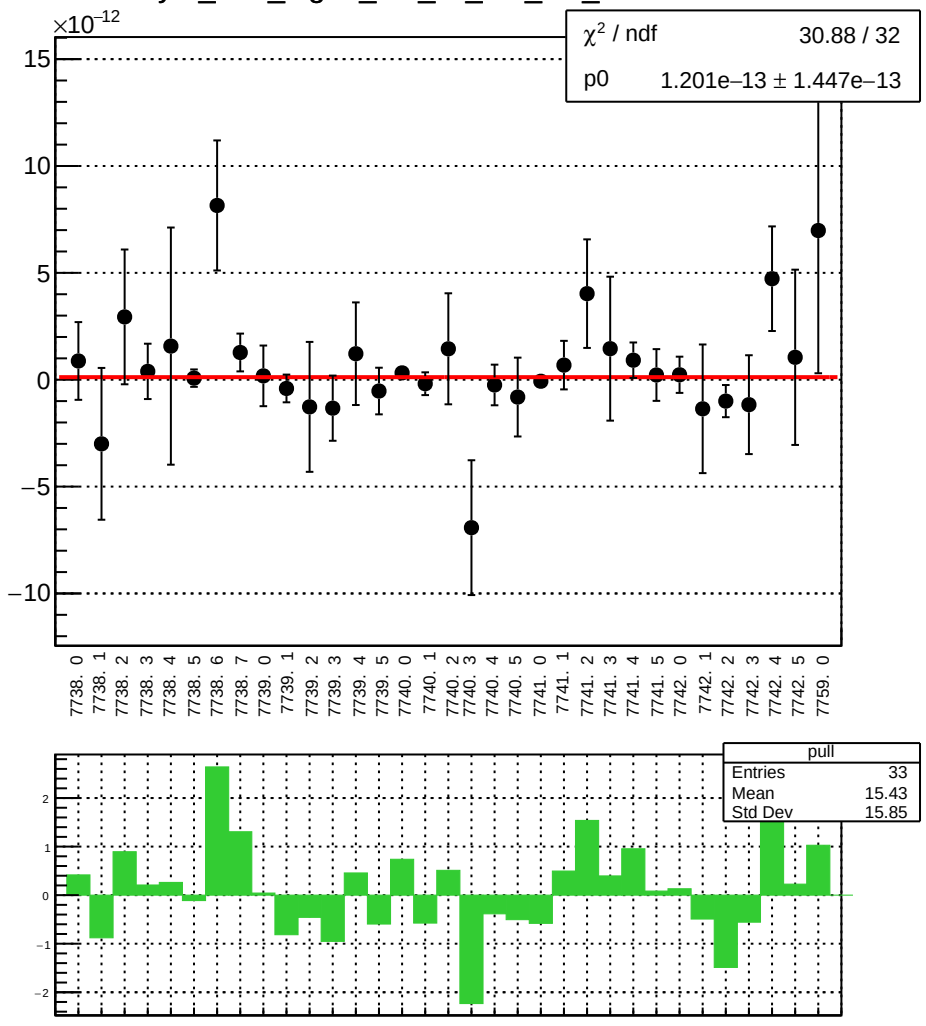

pull1D
Entries 33
Mean −0.0972
Std Dev 0.9707
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

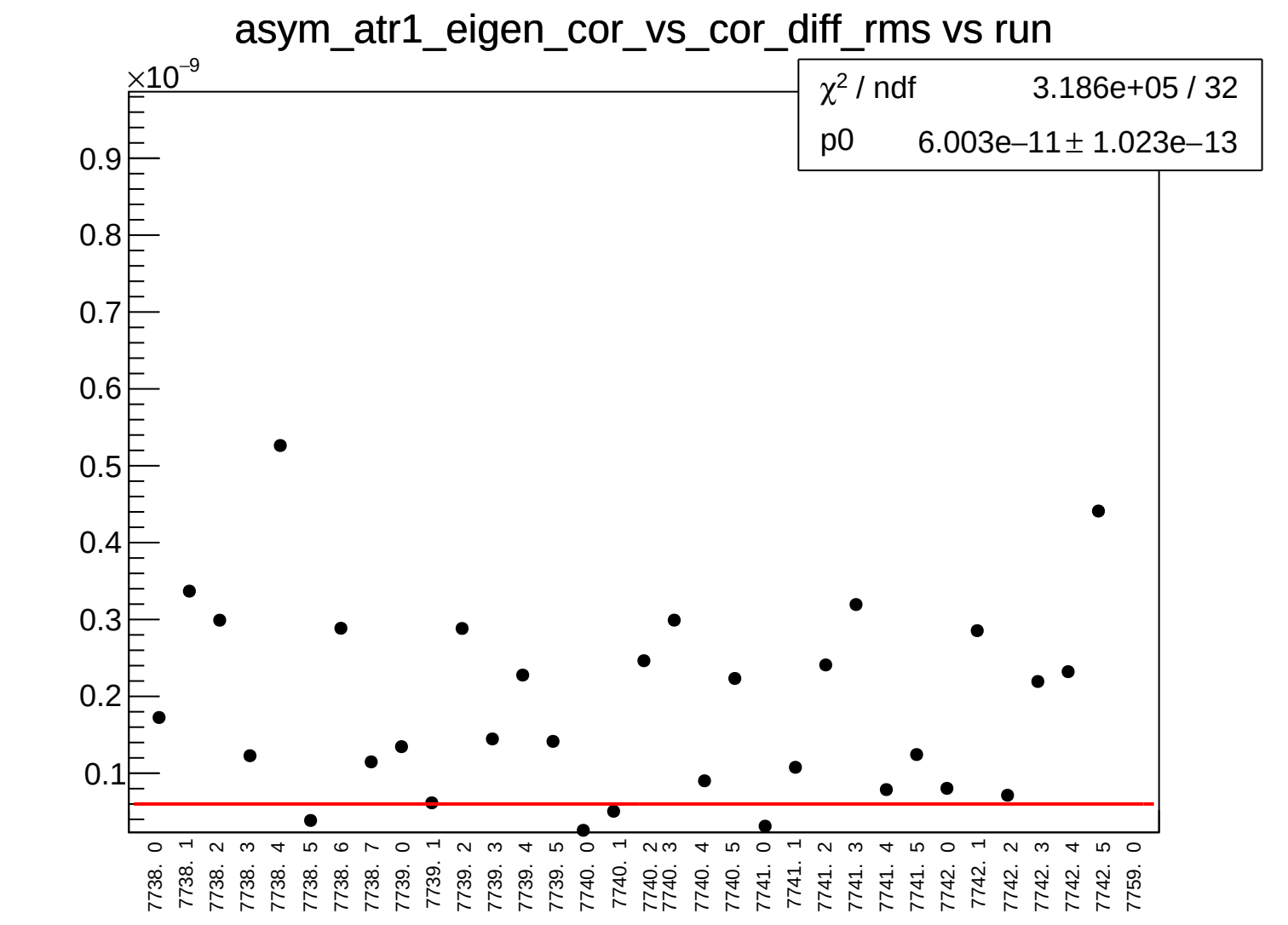

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.69e+05 / 32
p0 156.6 ± 0.2228
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

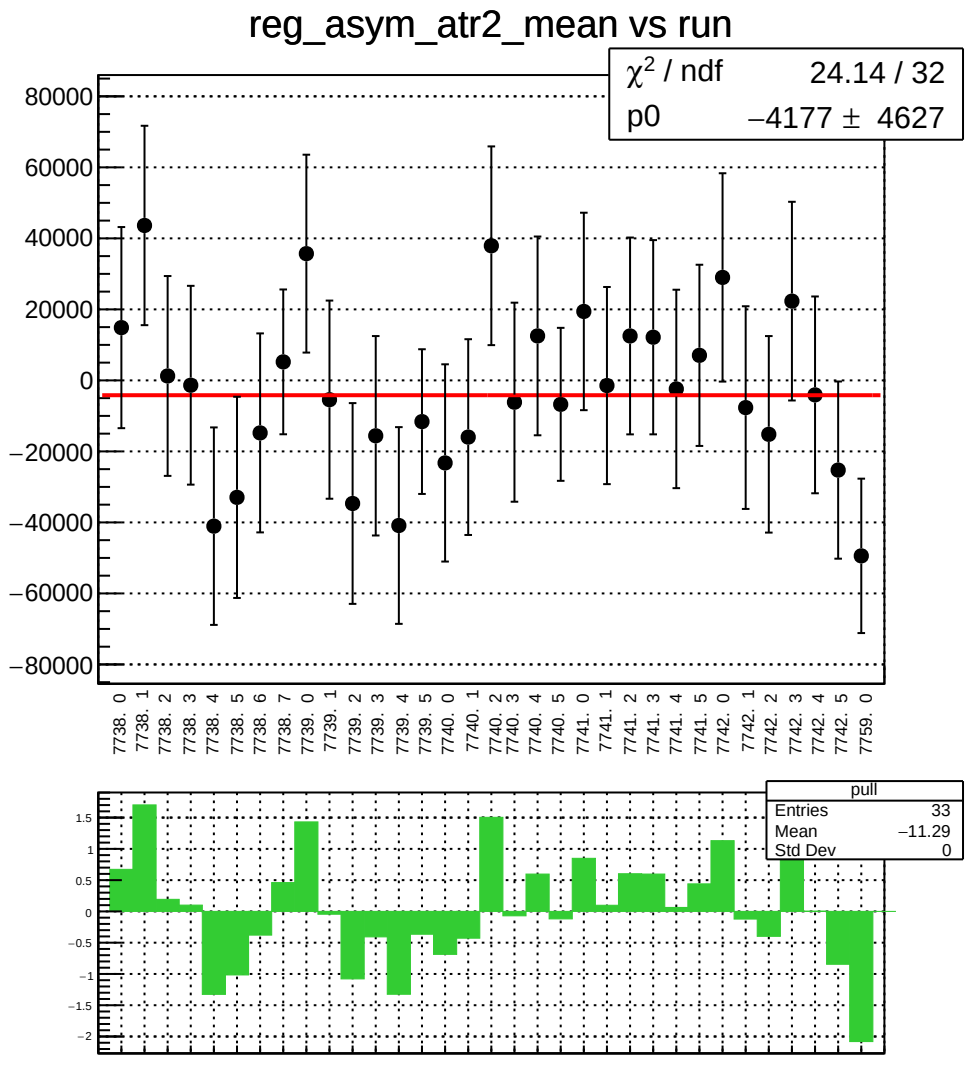

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.41 / 32
p0 0.5654 ± 0.3151
pull
Entries 33
Mean 40.21
Std Dev 0

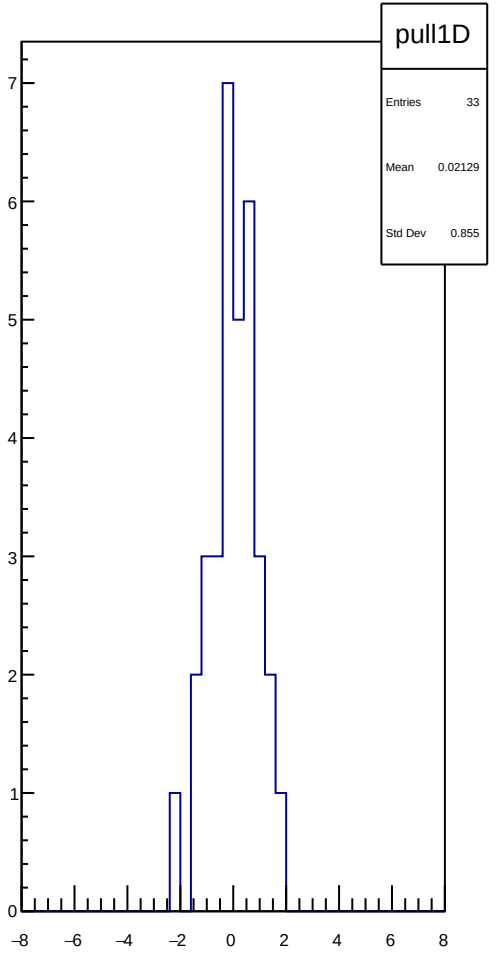

pull1D
Entries 33
Mean −0.0972
Std Dev 0.9707

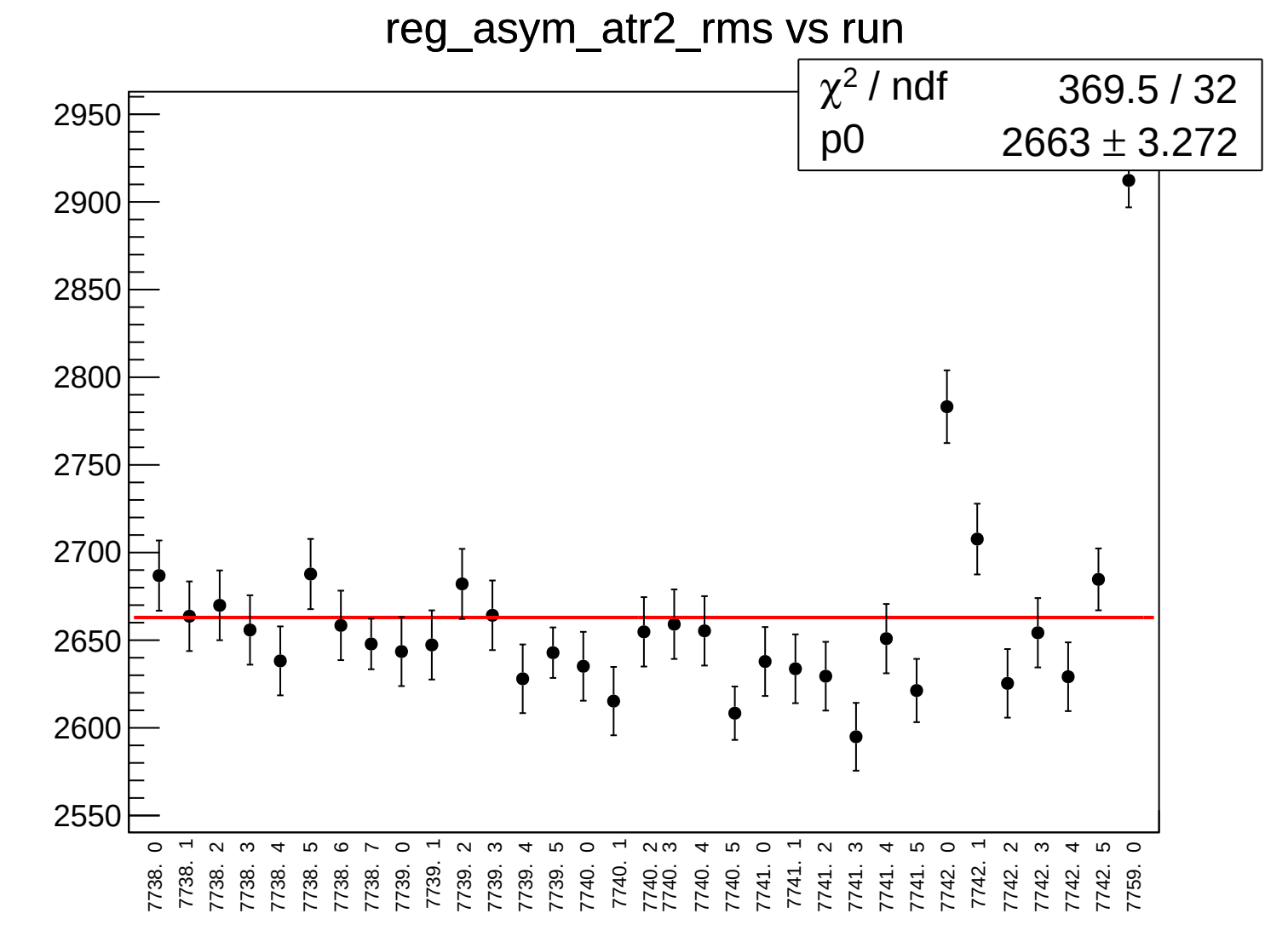

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.69e+05 / 32
p0 156.6 ± 0.2228
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

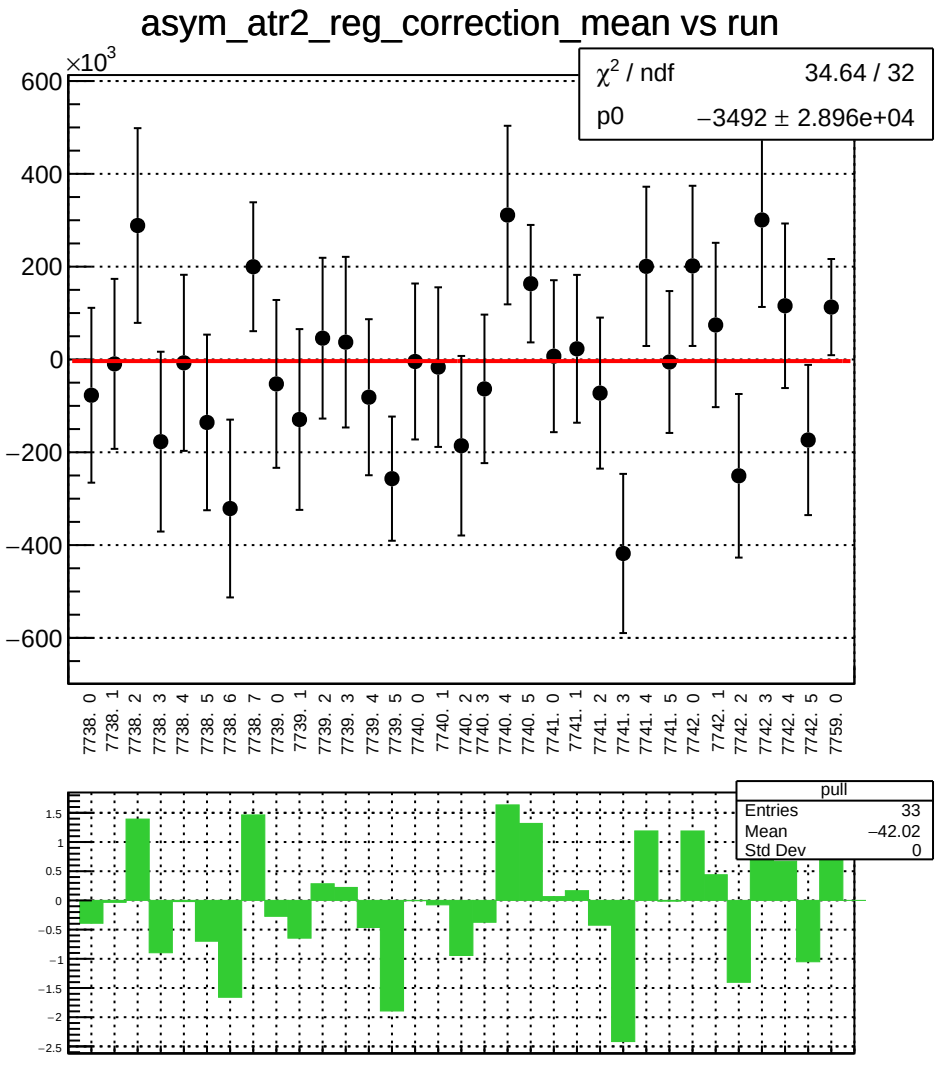

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.88 / 32
p0 1.201e−13 ± 1.447e−13
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.43
Std Dev 15.85
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.1088
Std Dev 0.9612
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

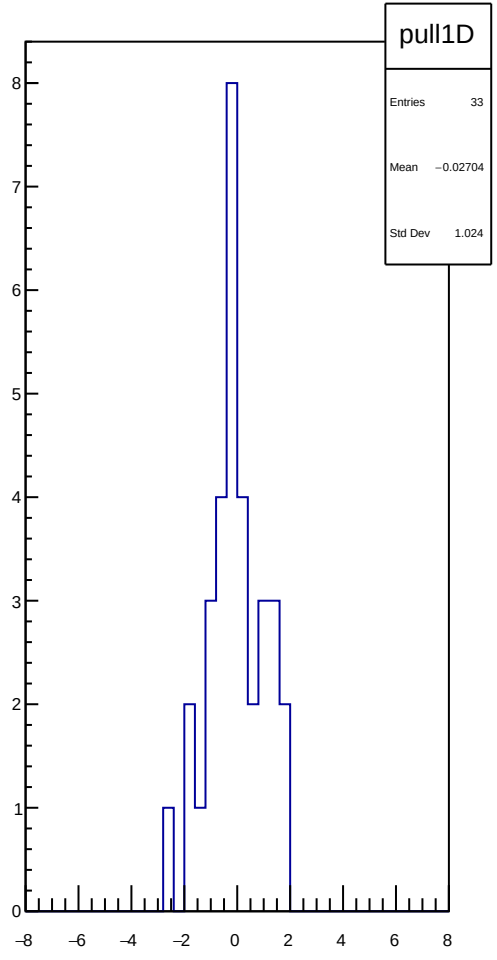

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.186e+05 / 32
p0 6.003e−11 ± 1.023e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

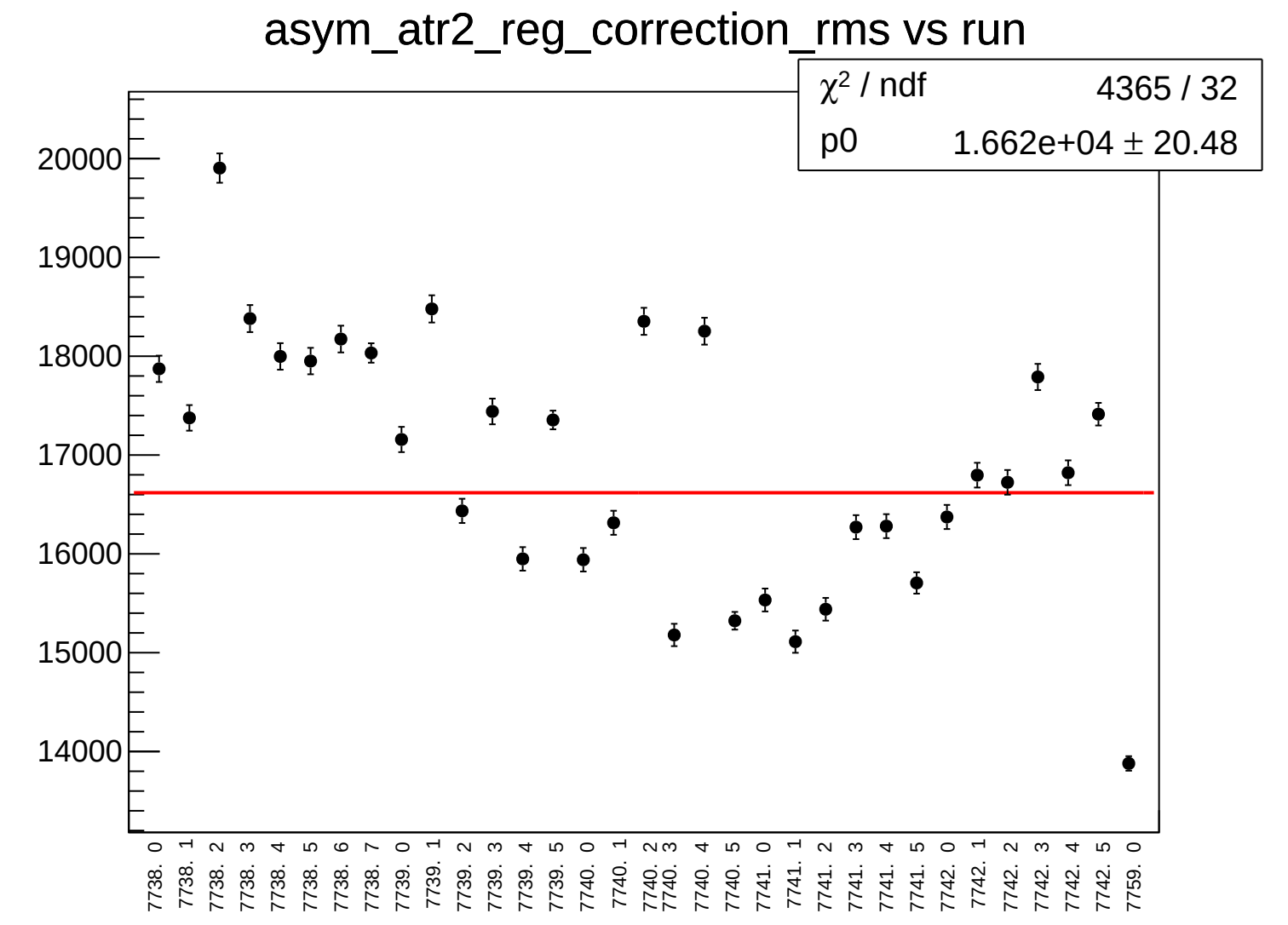

reg_asym_atr2_mean vs run
χ² / ndf 24.14 / 32
p0 −4177 ± 4627
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −11.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

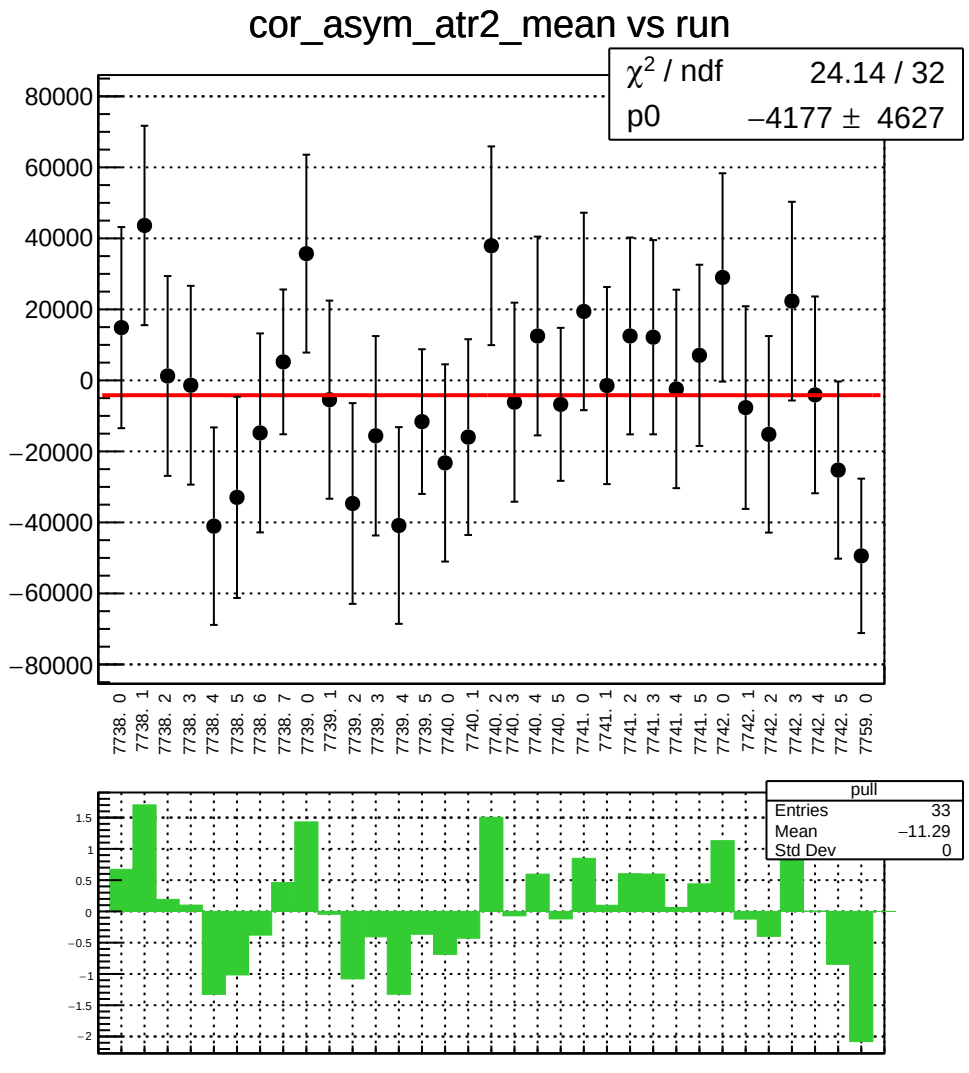

pull1D
Entries 33
Mean 0.02129
Std Dev 0.855
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

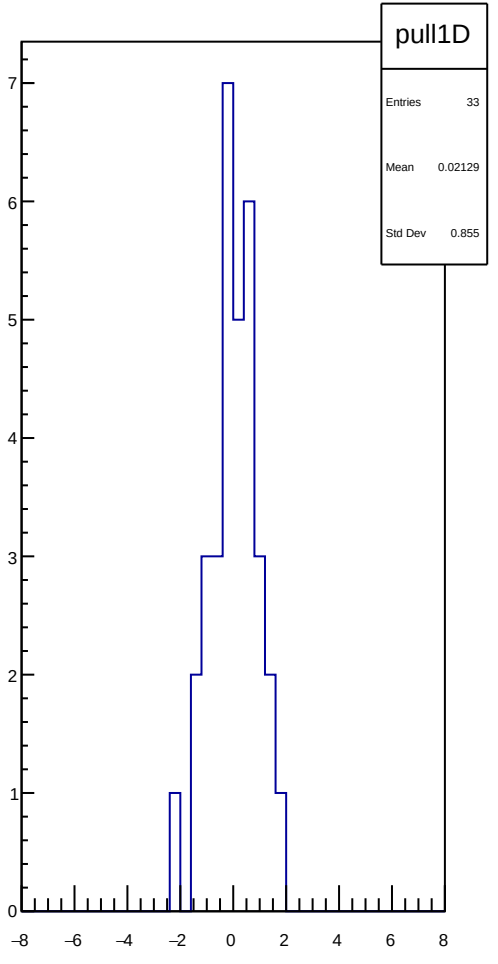

reg_asym_atr2_rms vs run
χ² / ndf 369.5 / 32
p0 2663 ± 3.272
2950
2900
2850
2800
2750
2700
2650
2600
2550
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

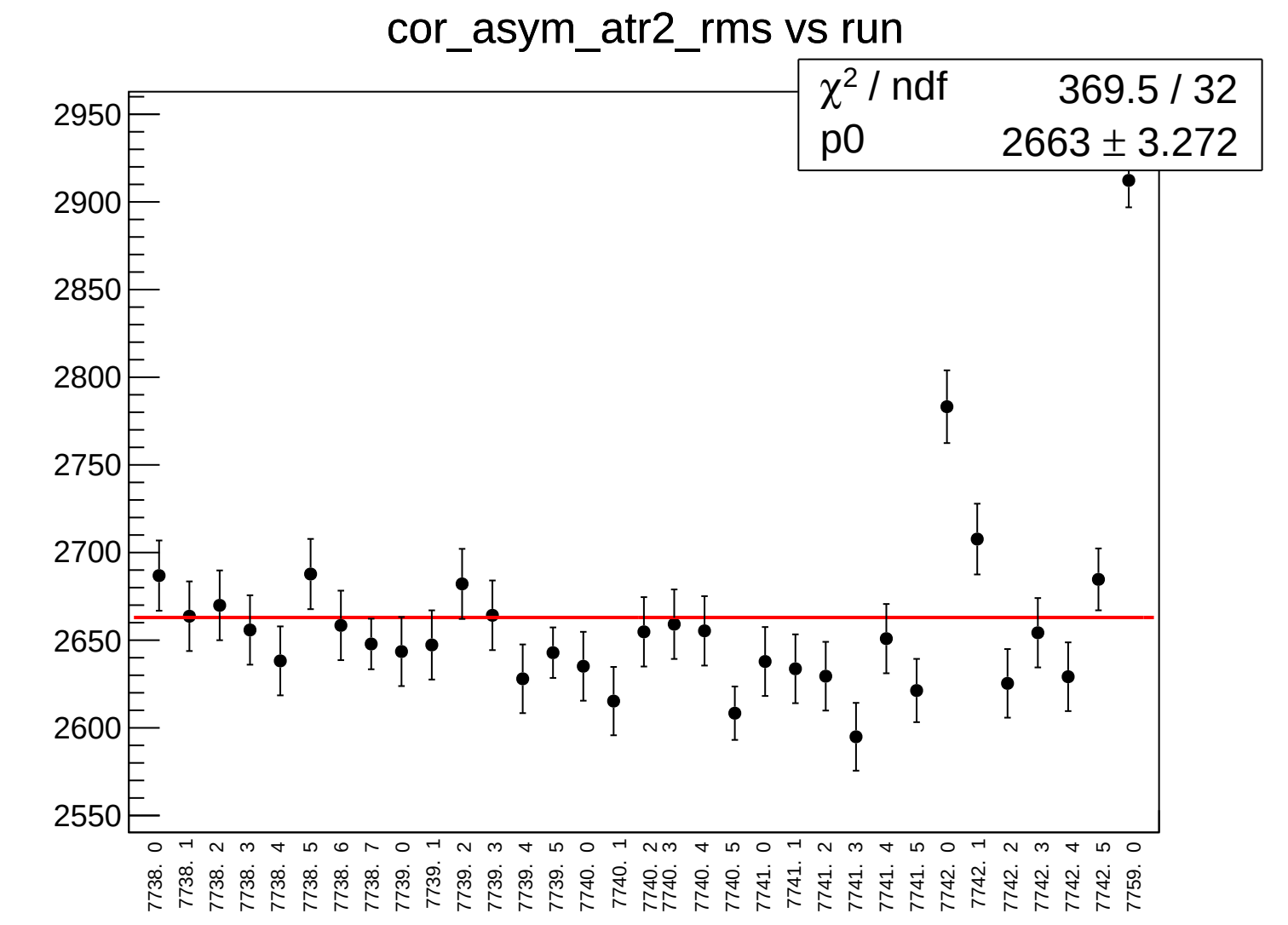

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 34.64 / 32
p0 −3492 ± 2.896e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −42.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

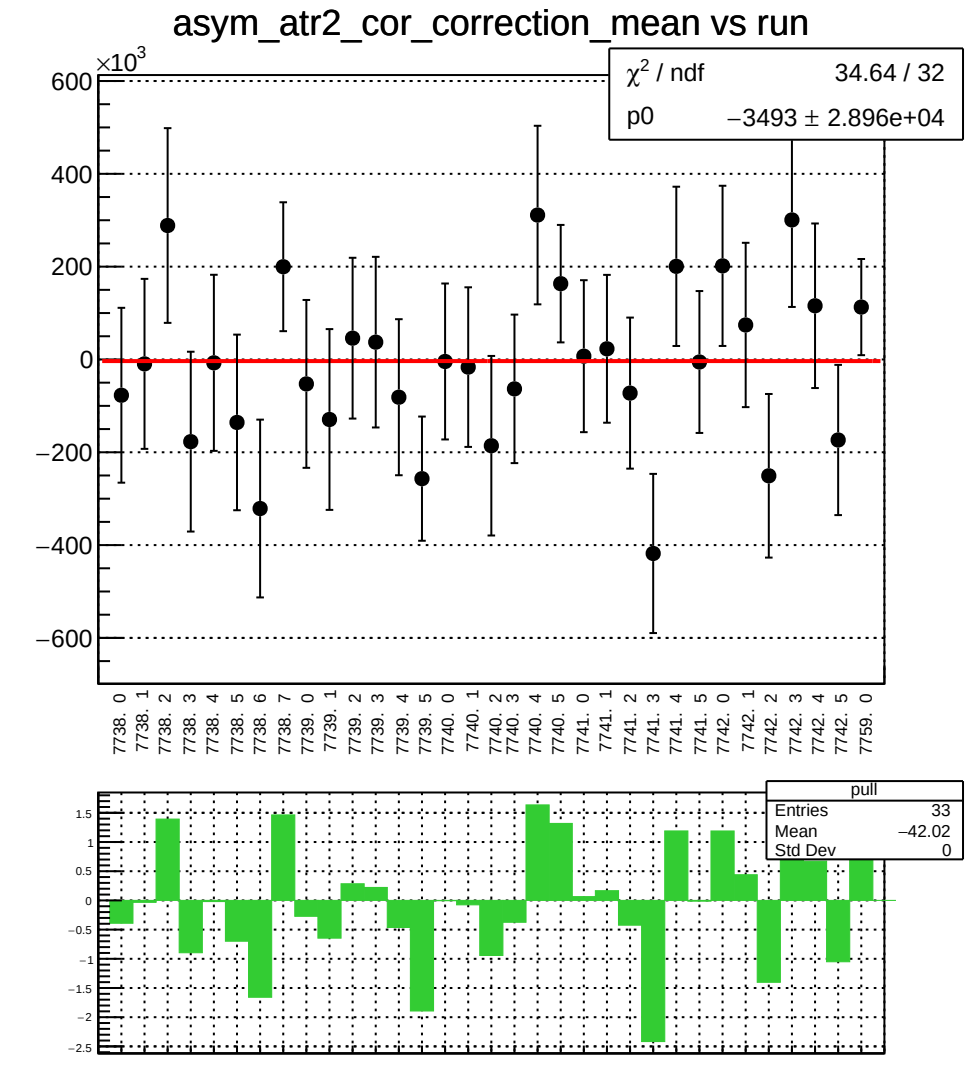

pull1D
Entries 33
Mean −0.02704
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

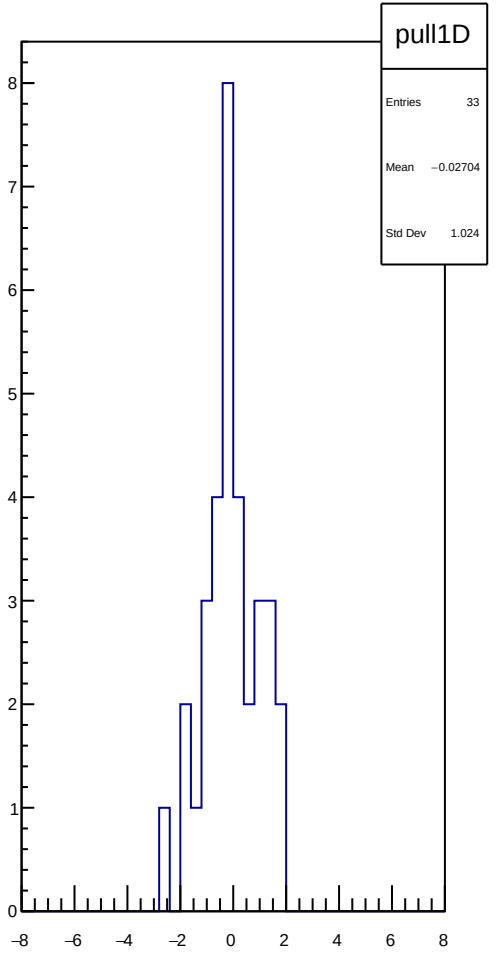

asym_atr2_reg_correction_rms vs run
χ² / ndf 4365 / 32
p0 1.662e+04 ± 20.48
20000
19000
18000
17000
16000
15000
14000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

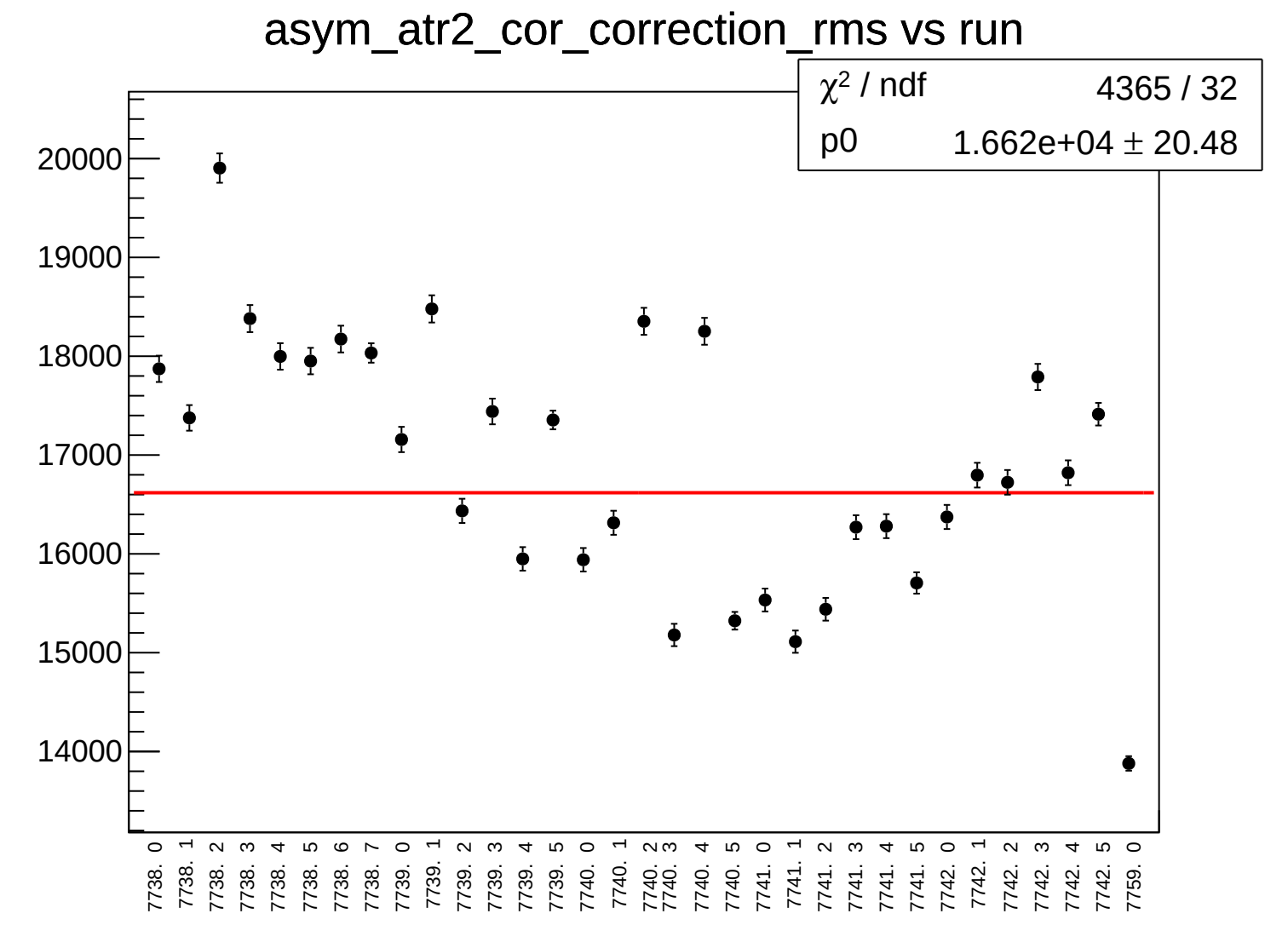

cor_asym_atr2_mean vs run
χ² / ndf 24.14 / 32
p0 −4177 ± 4627
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −11.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

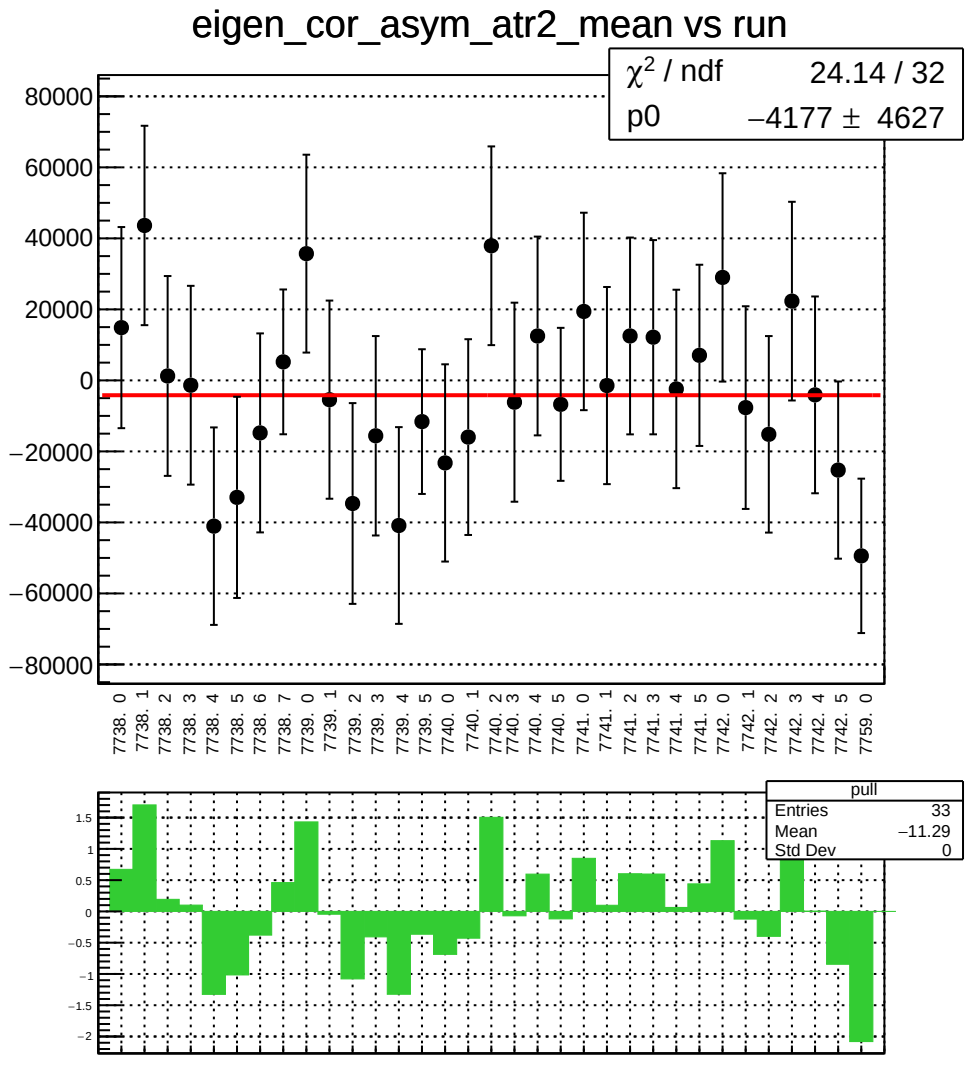

pull1D
Entries 33
Mean 0.02129
Std Dev 0.855
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

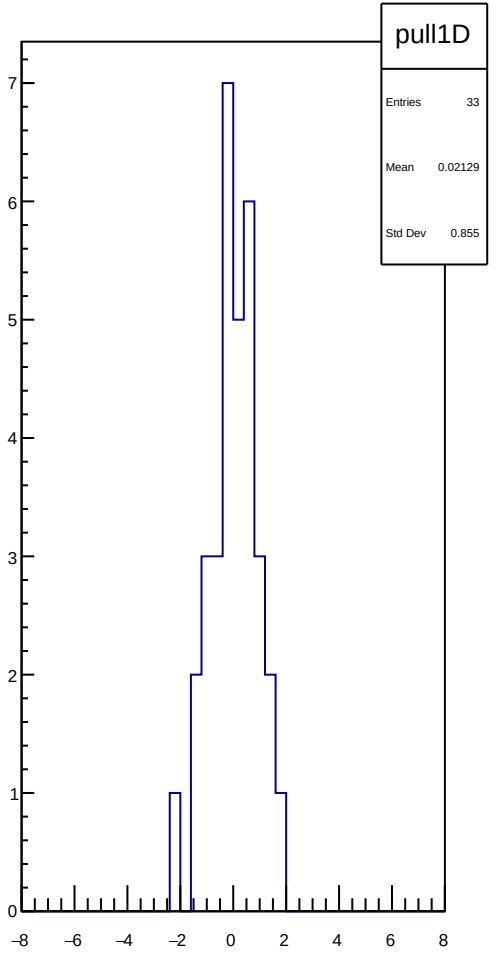

cor_asym_atr2_rms vs run
χ² / ndf 369.5 / 32
p0 2663 ± 3.272
2950
2900
2850
2800
2750
2700
2650
2600
2550
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

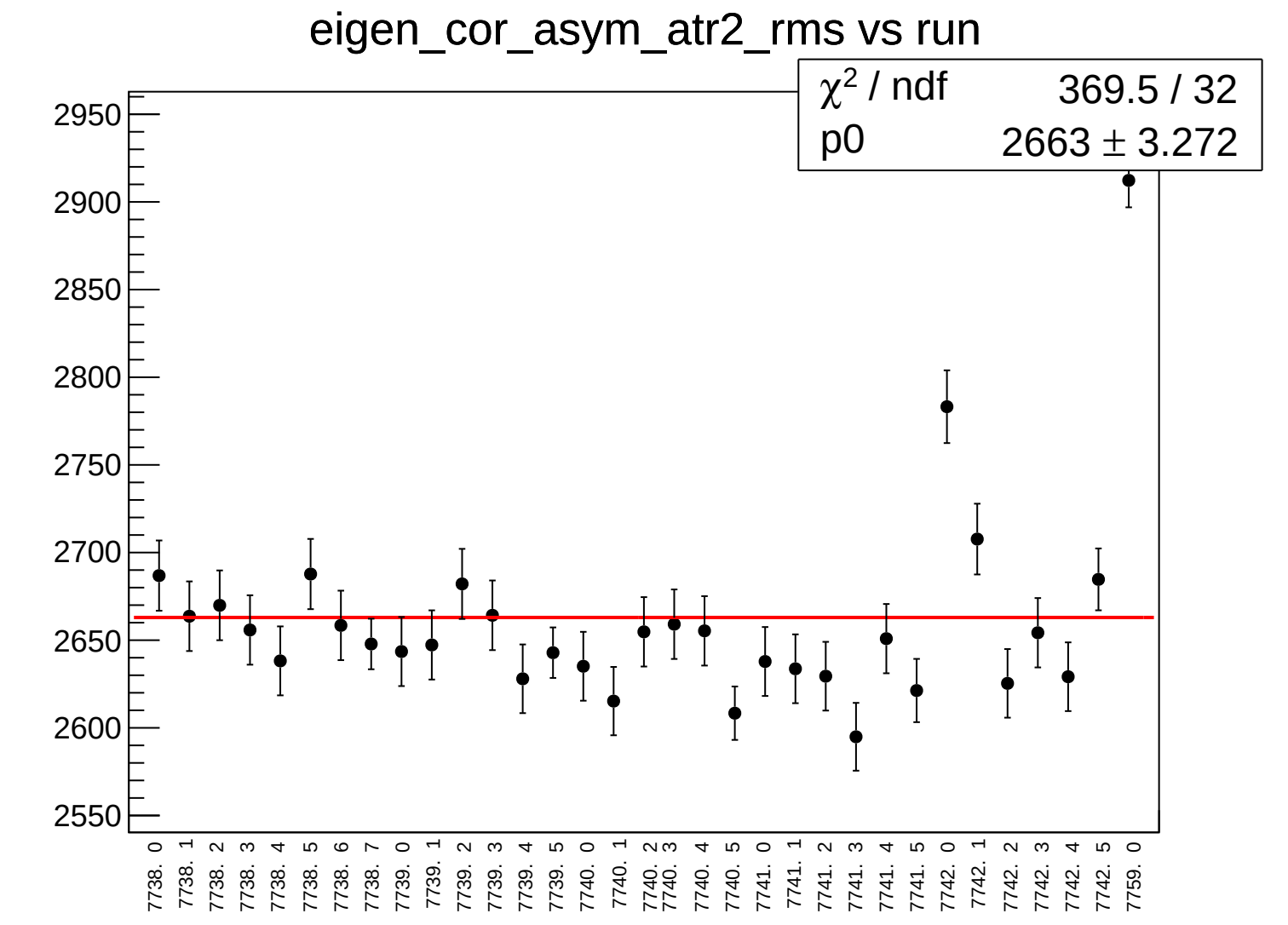

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 34.64 / 32
p0 −3493 ± 2.896e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −42.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

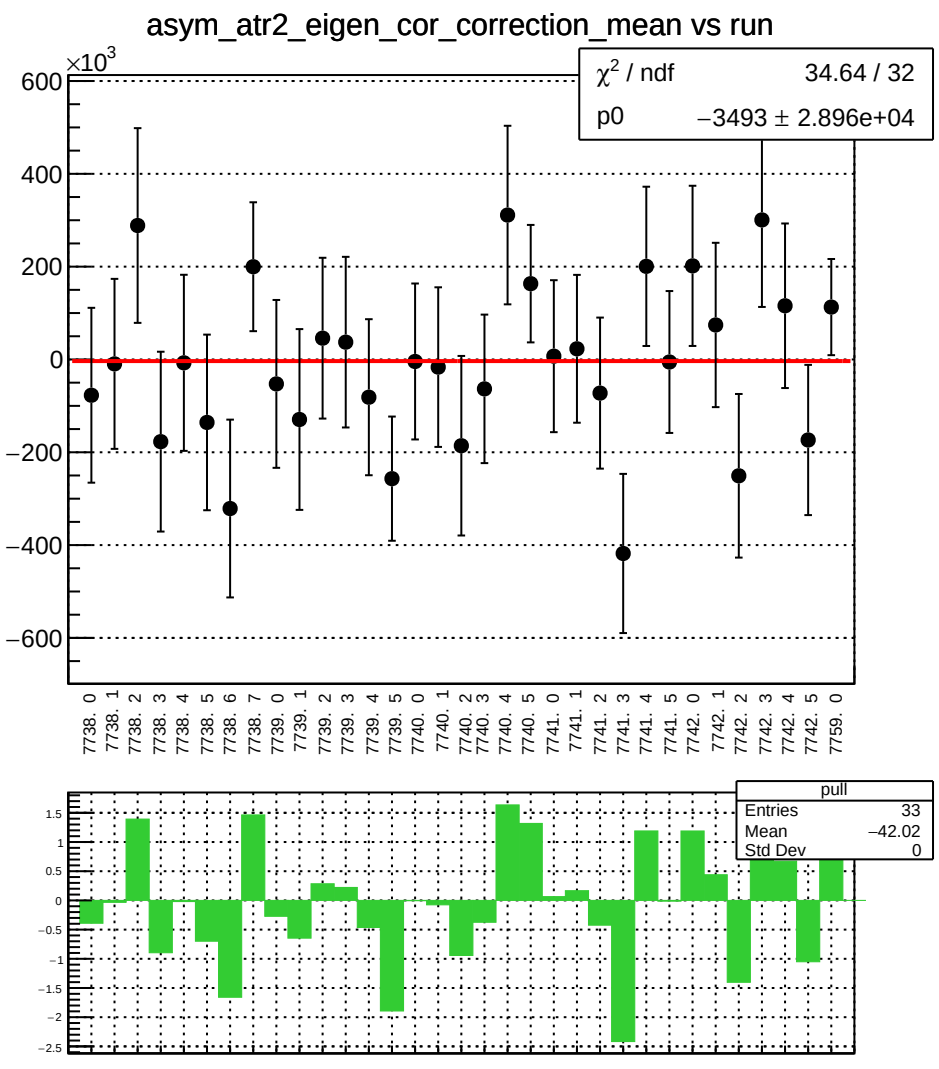

pull1D
Entries 33
Mean −0.02704
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

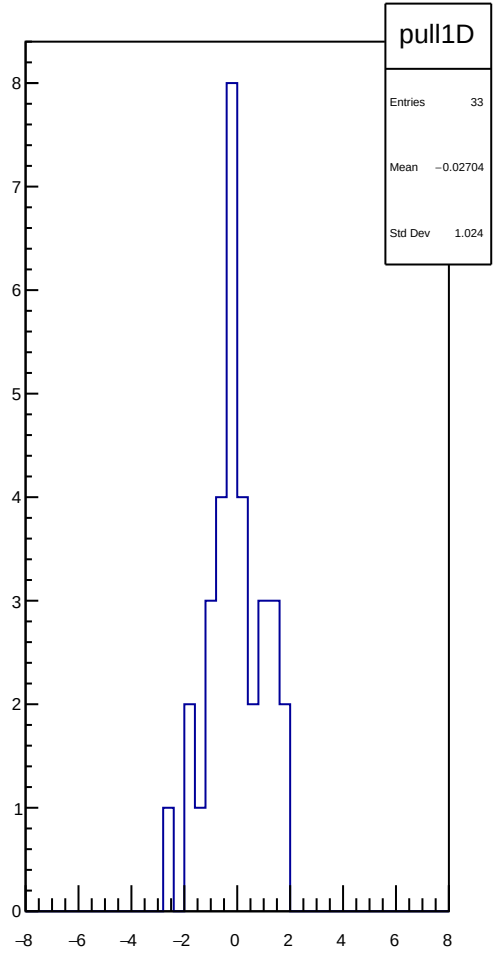

asym_atr2_cor_correction_rms vs run
χ² / ndf 4365 / 32
p0 1.662e+04 ± 20.48
20000
19000
18000
17000
16000
15000
14000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

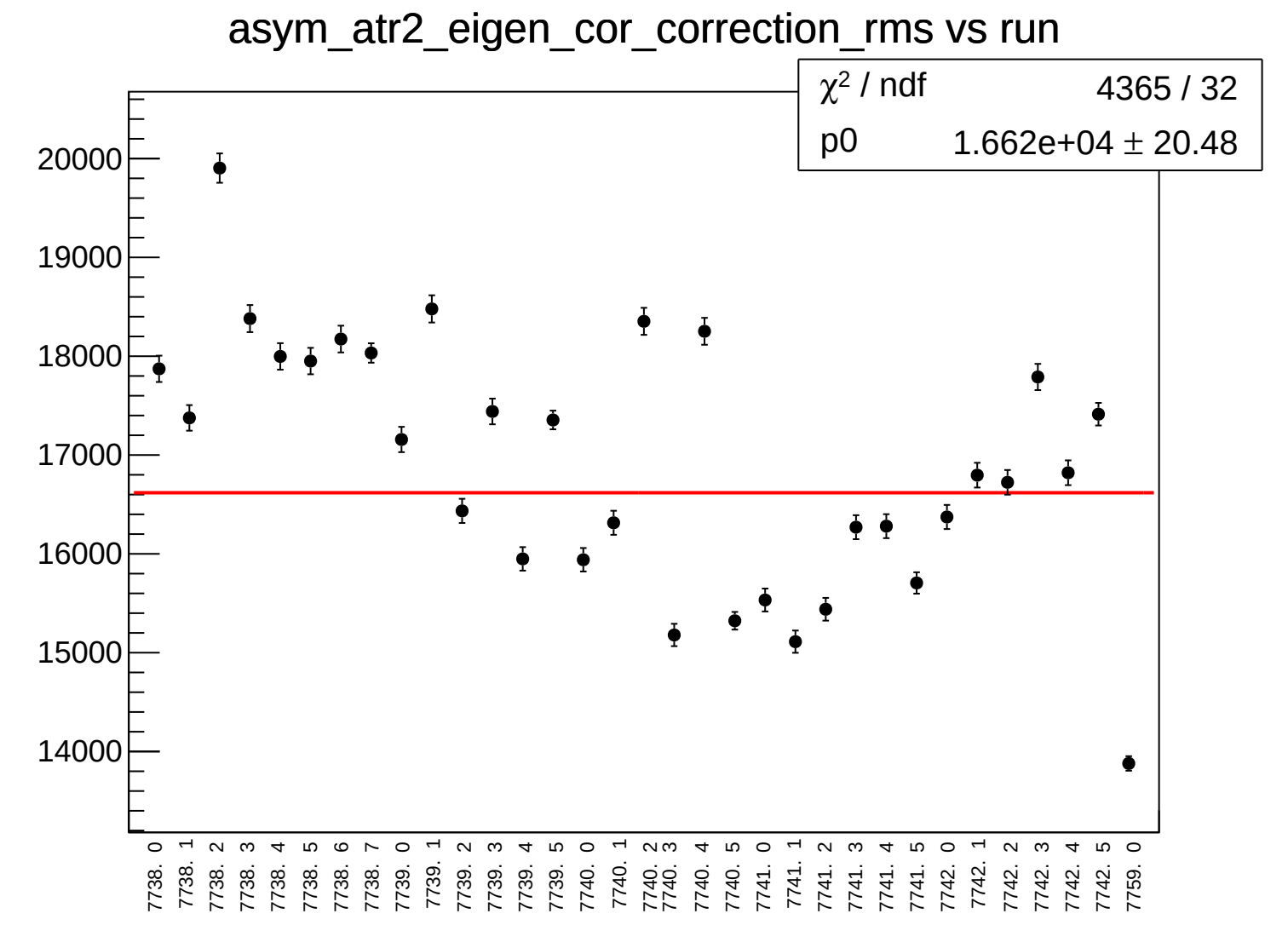

eigen_cor_asym_atr2_mean vs run
χ² / ndf 24.14 / 32
p0 −4177 ± 4627
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −11.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

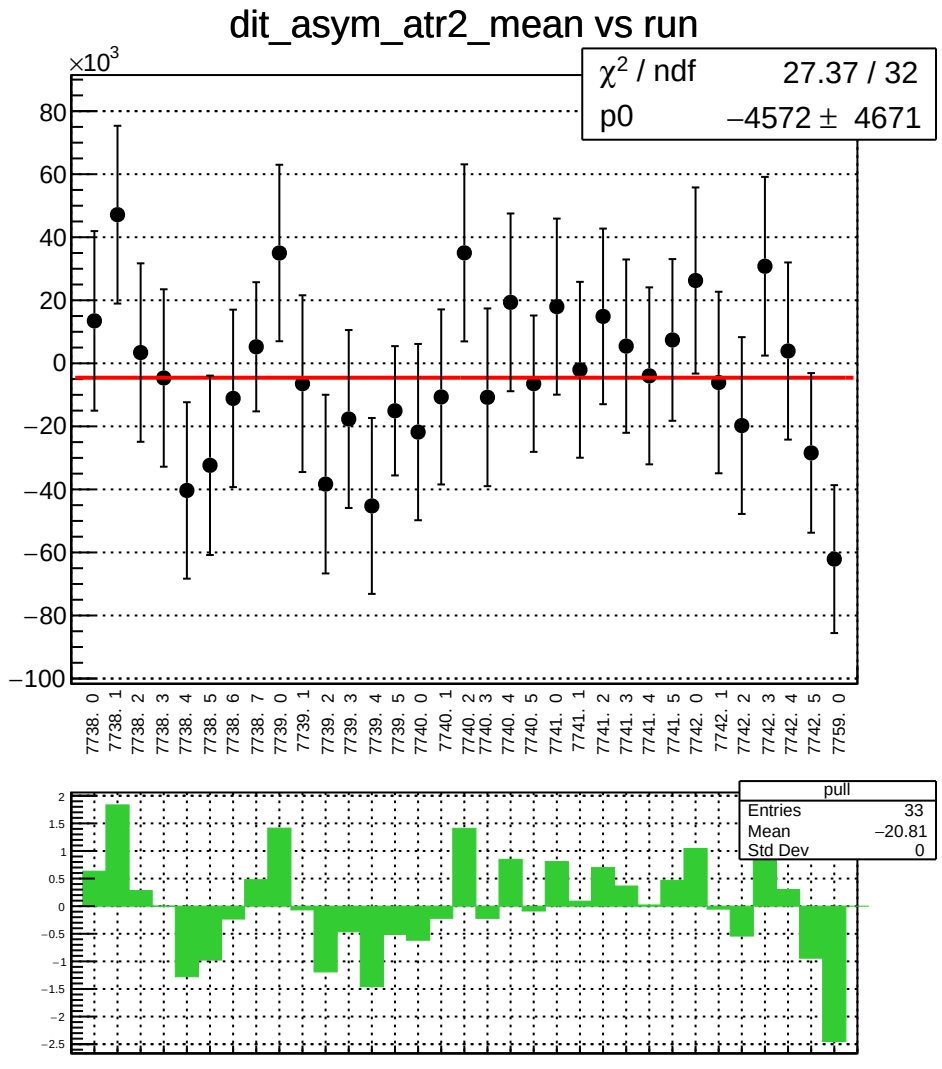

pull1D
Entries 33
Mean 0.02129
Std Dev 0.855
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

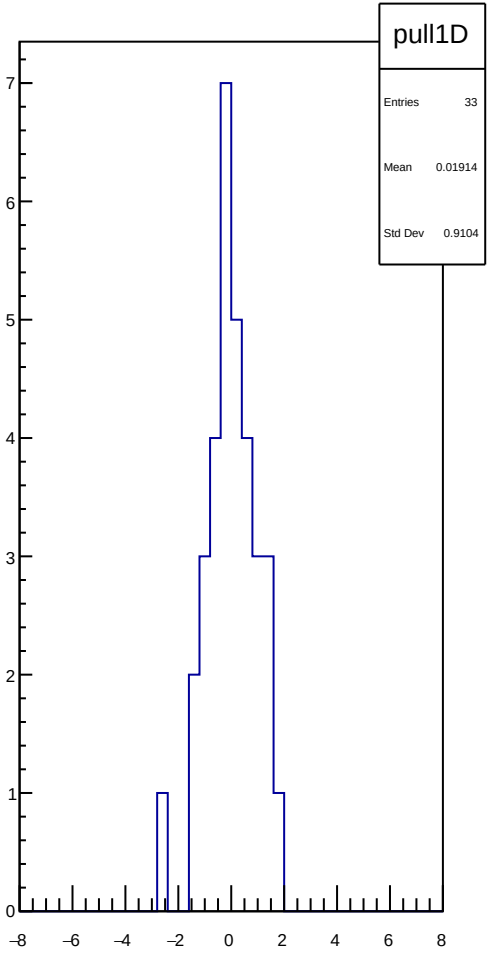

eigen_cor_asym_atr2_rms vs run
χ² / ndf 369.5 / 32
p0 2663 ± 3.272
2950
2900
2850
2800
2750
2700
2650
2600
2550
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

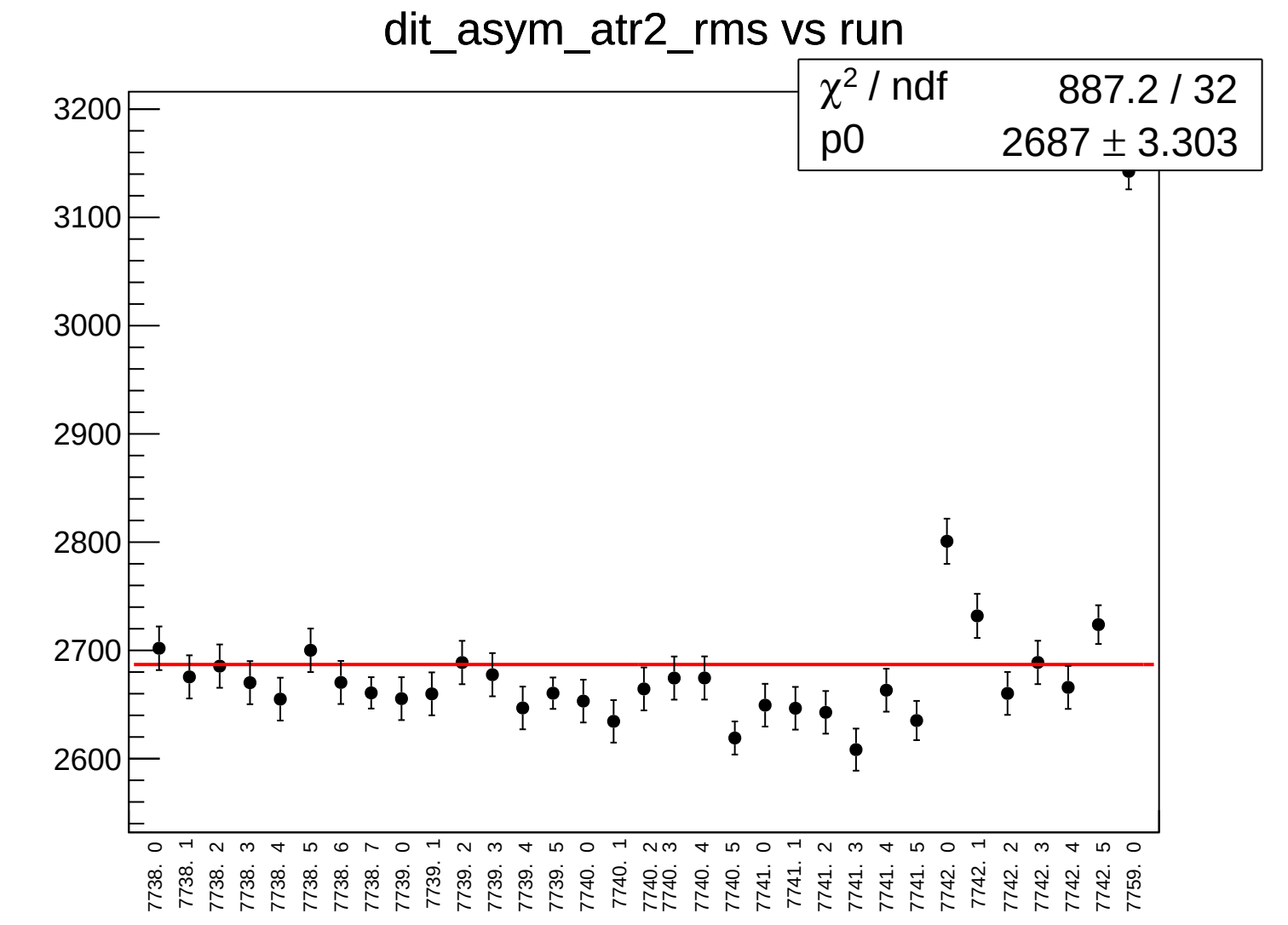

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.64 / 32
p0 −3493 ± 2.896e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −42.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

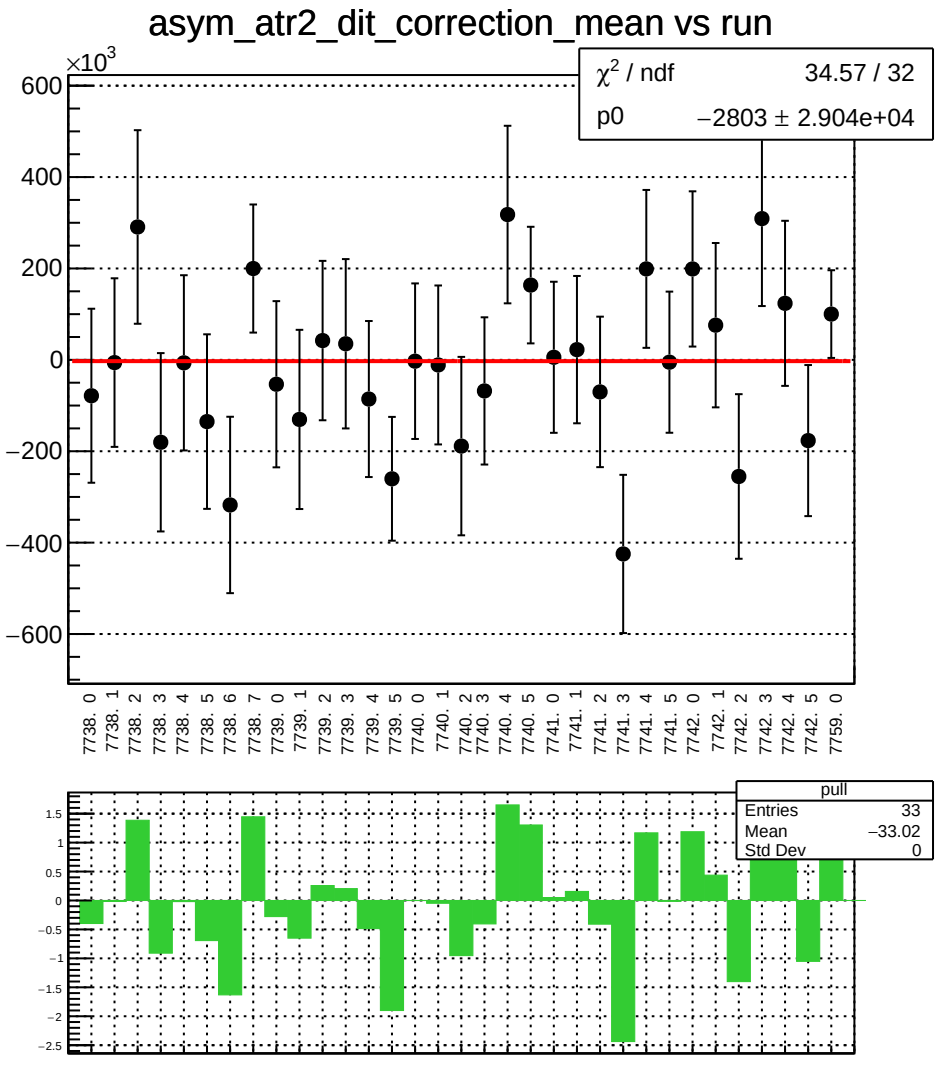

pull1D
Entries 33
Mean −0.02704
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

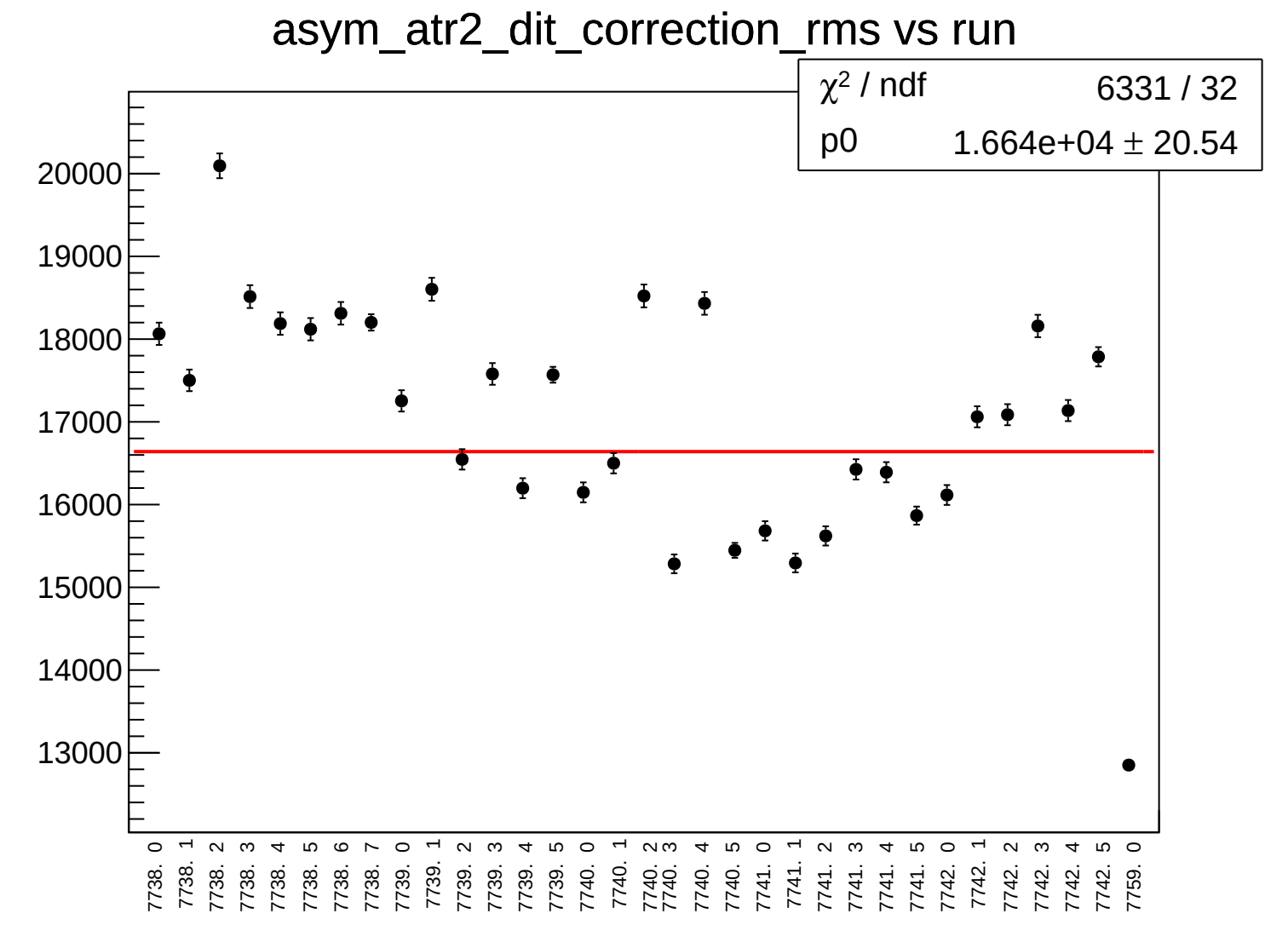

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 4365 / 32
p0 1.662e+04 ± 20.48
20000
19000
18000
17000
16000
15000
14000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

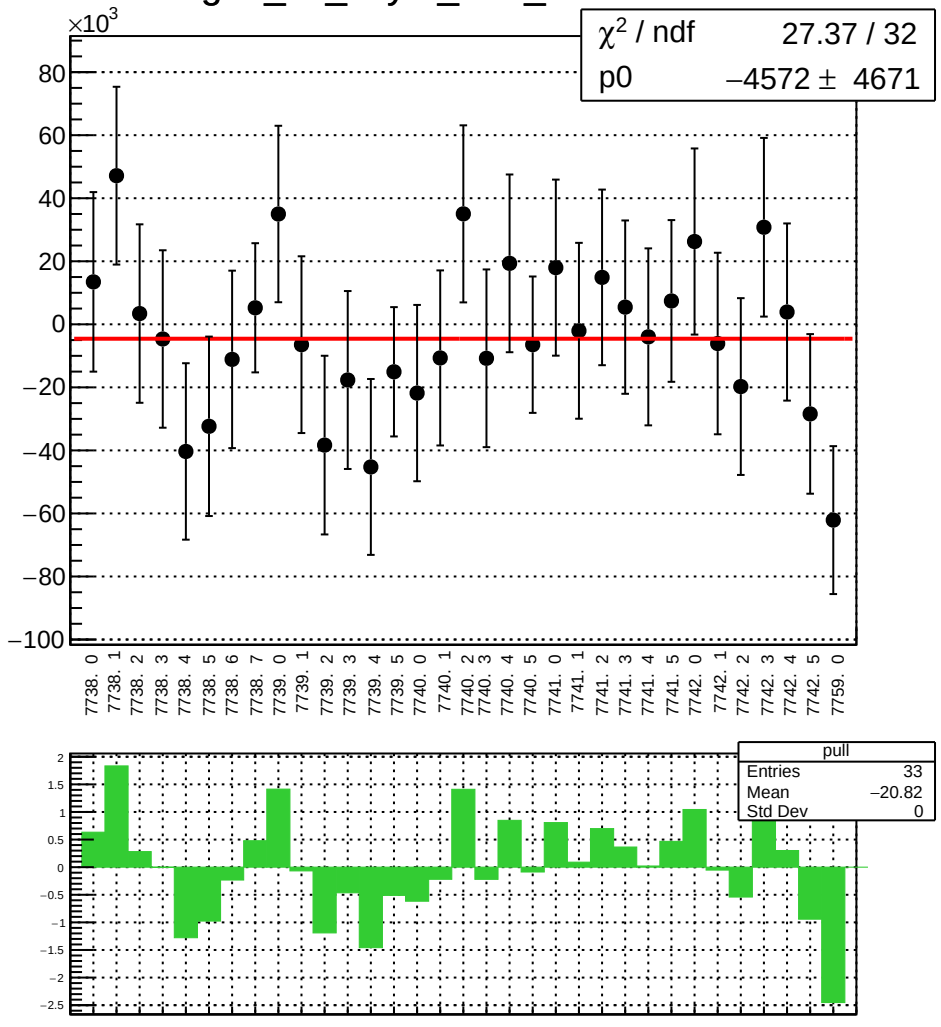

dit_asym_atr2_mean vs run
χ^2 / ndf 27.37 / 32
p0 −4572 ± 4671
×10^3
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

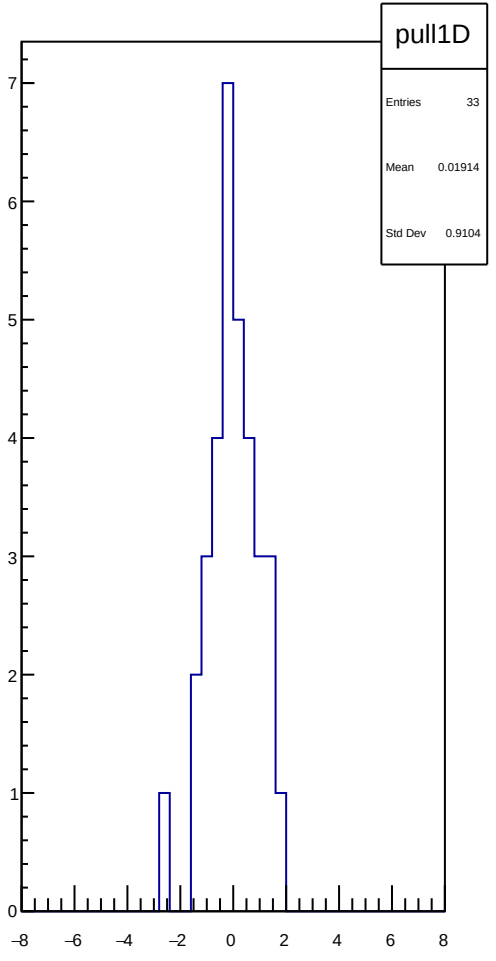

pull1D
Entries 33
Mean 0.01914
Std Dev 0.9104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

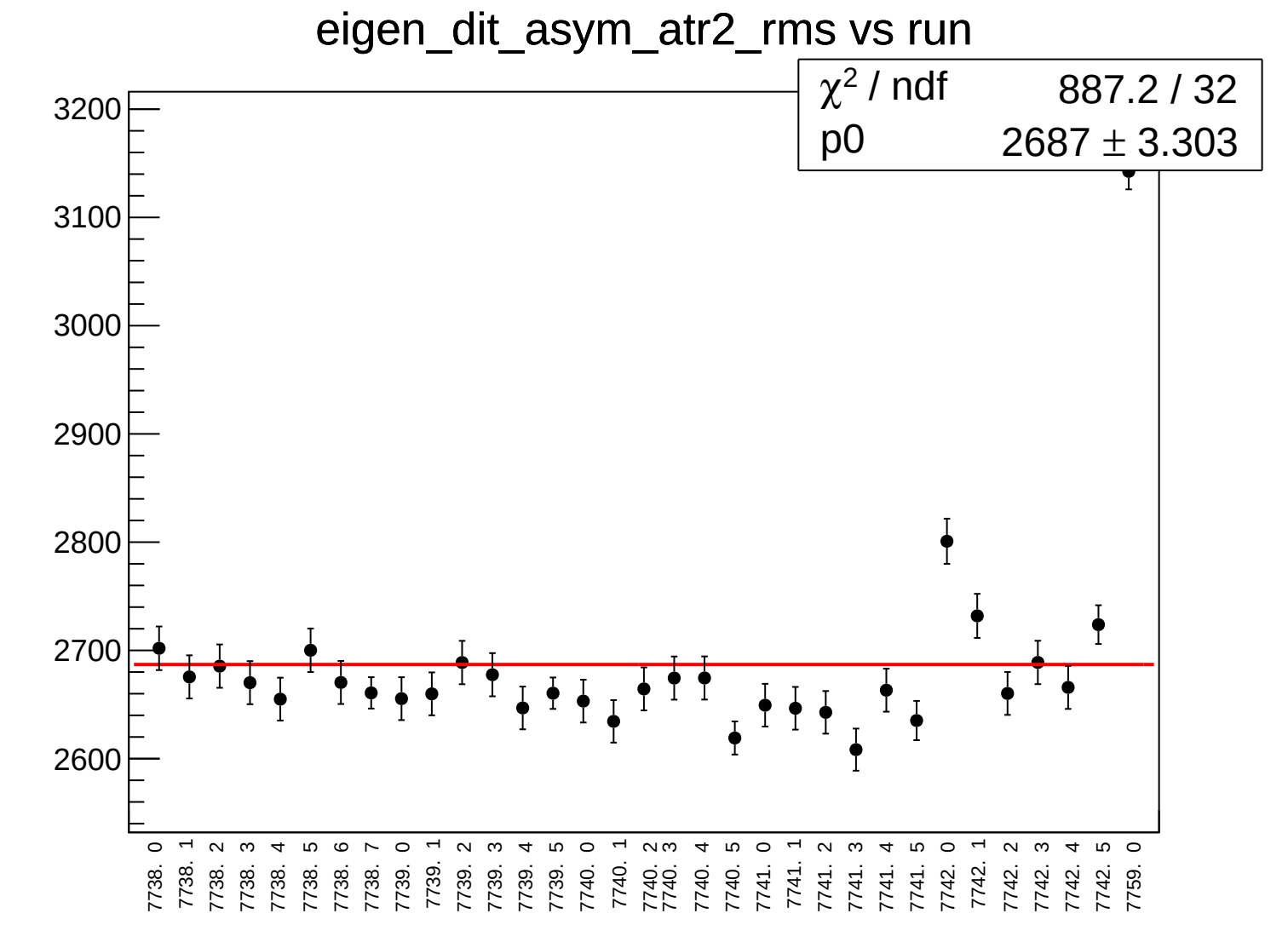

dit_asym_atr2_rms vs run
χ^2 / ndf 887.2 / 32
p0 2687 ± 3.303
3200
3100
3000
2900
2800
2700
2600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

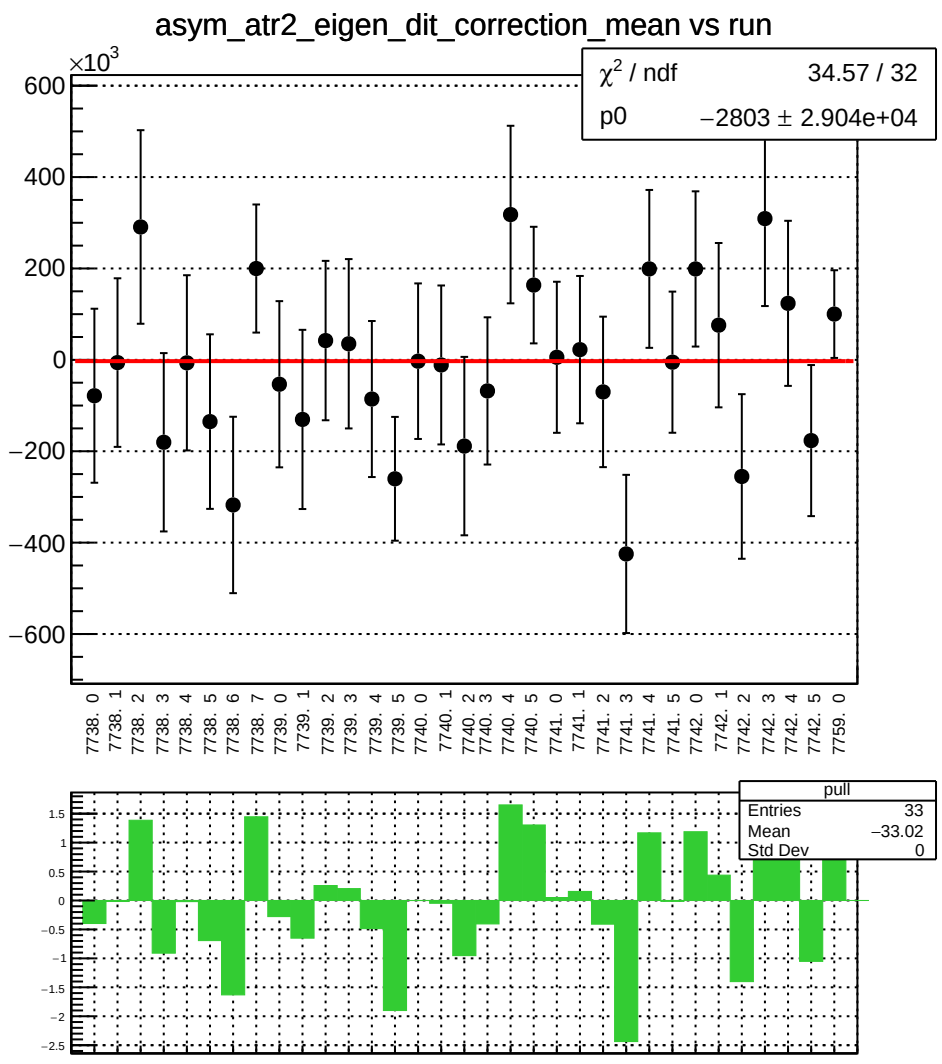

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 34.57 / 32
p0 −2803 ± 2.904e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −33.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03173
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

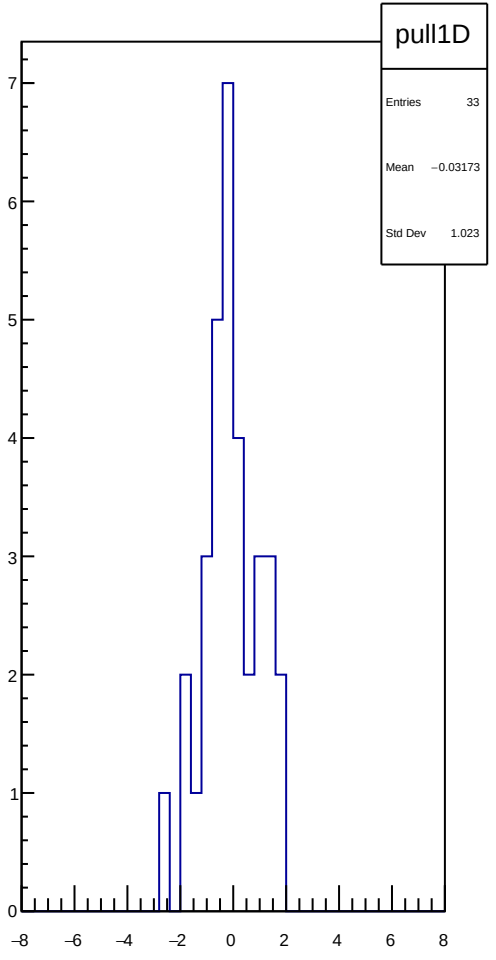

asym_atr2_dit_correction_rms vs run
χ² / ndf 6331 / 32
p0 1.664e+04 ± 20.54
20000
19000
18000
17000
16000
15000
14000
13000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

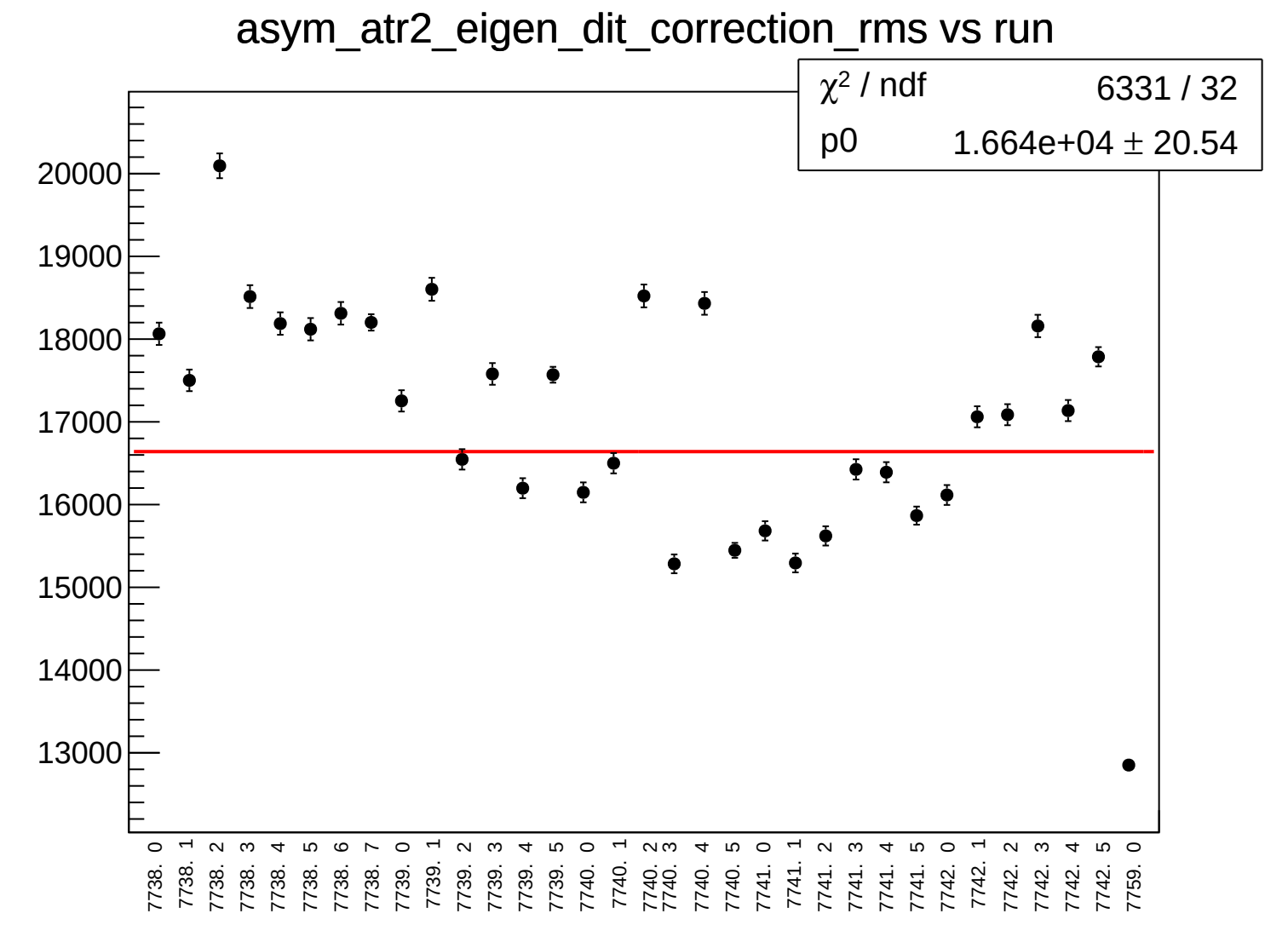

eigen_dit_asym_atr2_mean vs run
χ² / ndf 27.37 / 32
p0 −4572 ± 4671
×10³
pull
Entries 33
Mean −20.82
Std Dev 0

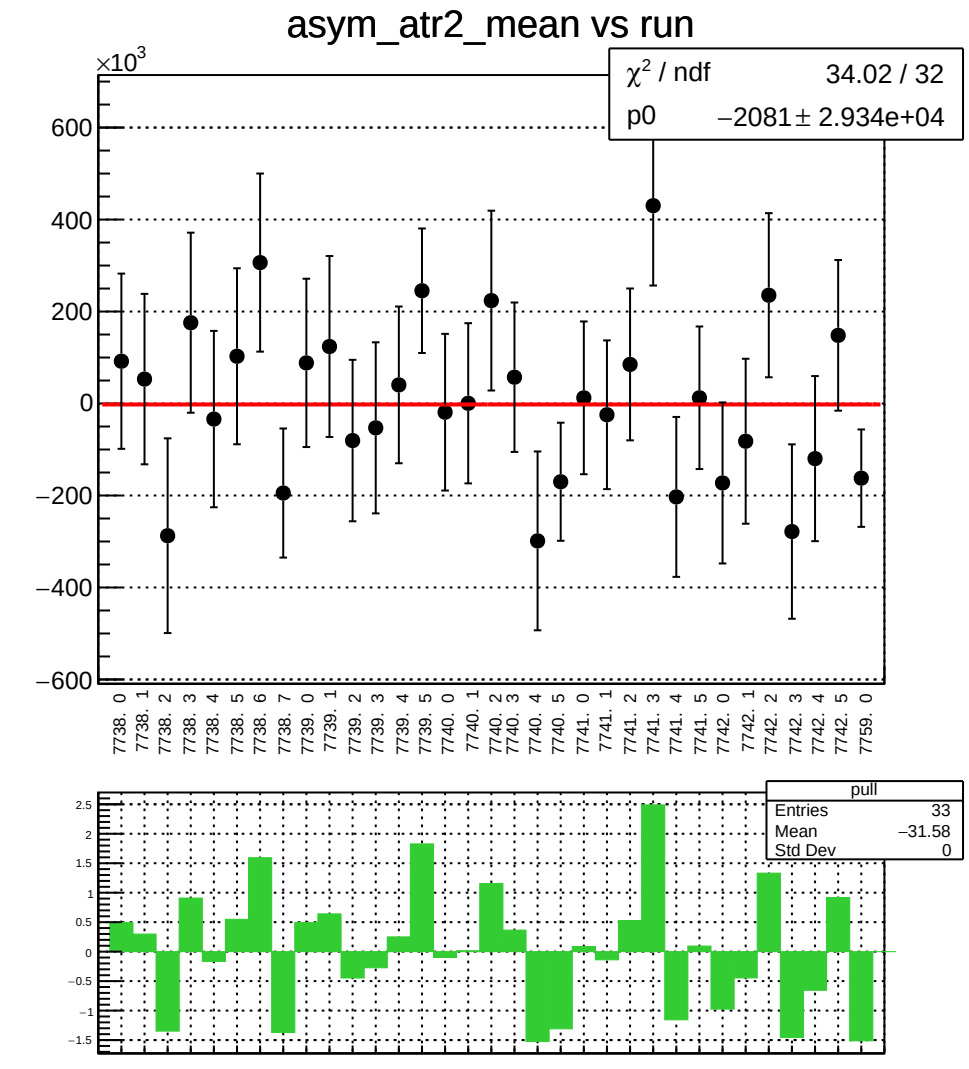

pull1D
Entries 33
Mean 0.01914
Std Dev 0.9104

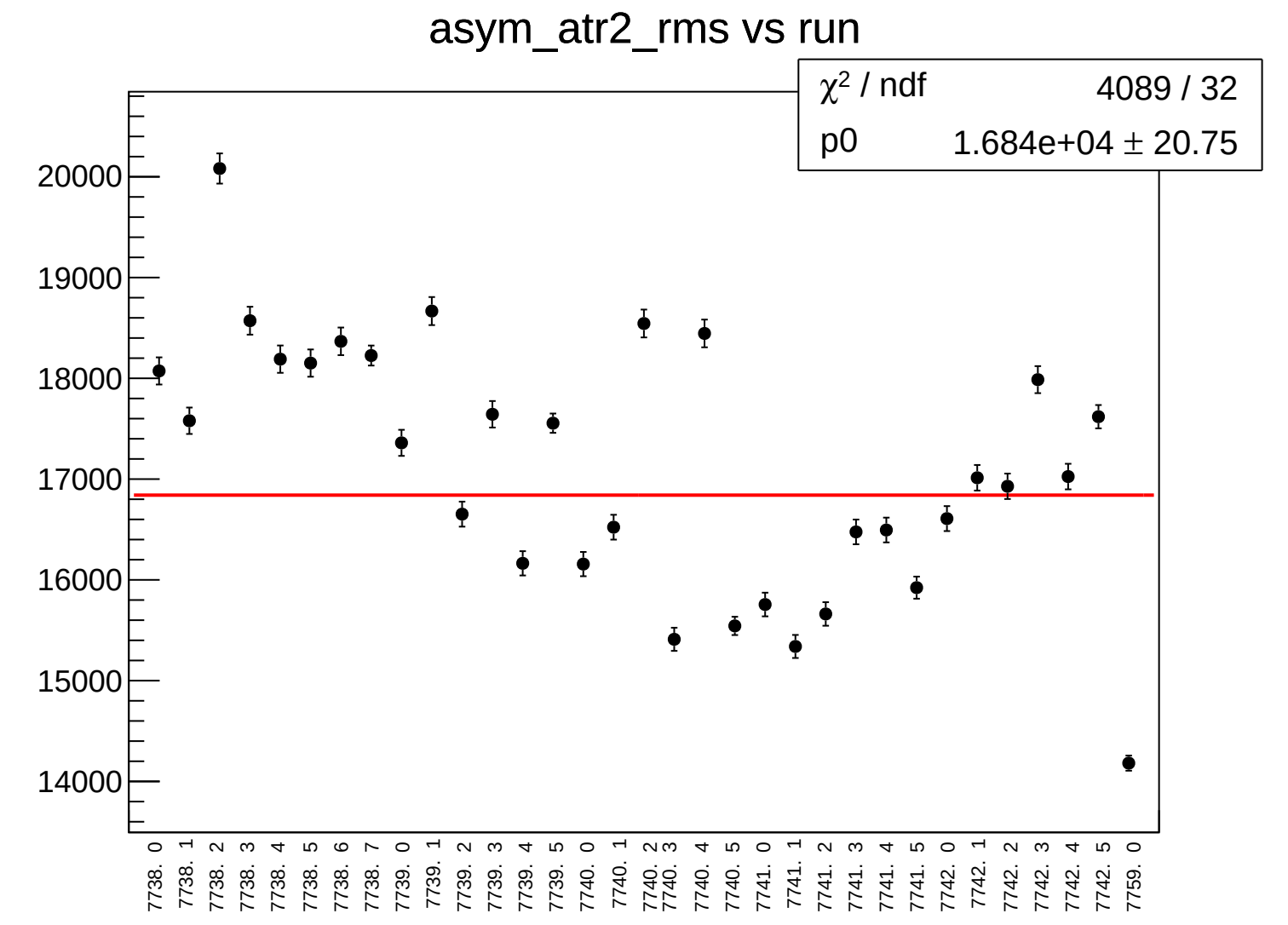

eigen_dit_asym_atr2_rms vs run
χ^2 / ndf 887.2 / 32
p0 2687 ± 3.303
3200
3100
3000
2900
2800
2700
2600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

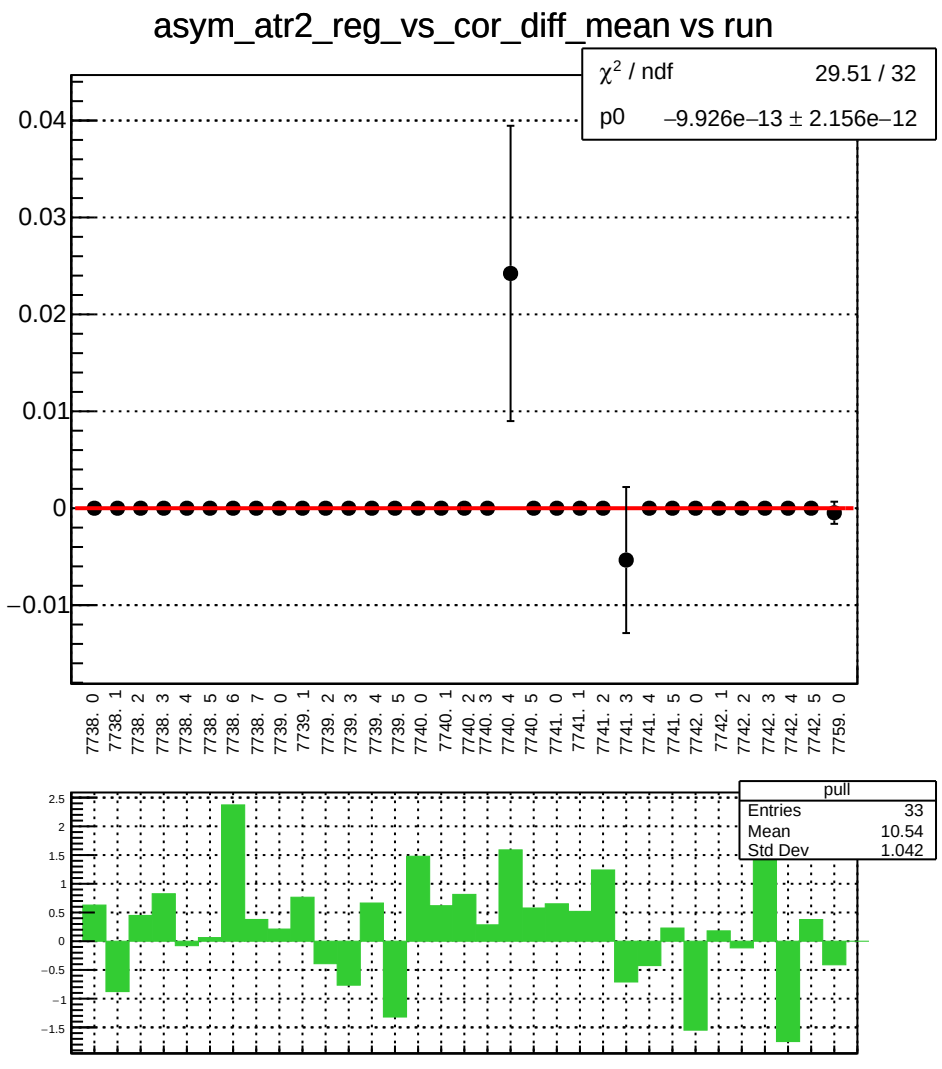

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.57 / 32
p0 −2803 ± 2.904e+04
pull
Entries 33
Mean −33.02
Std Dev 0

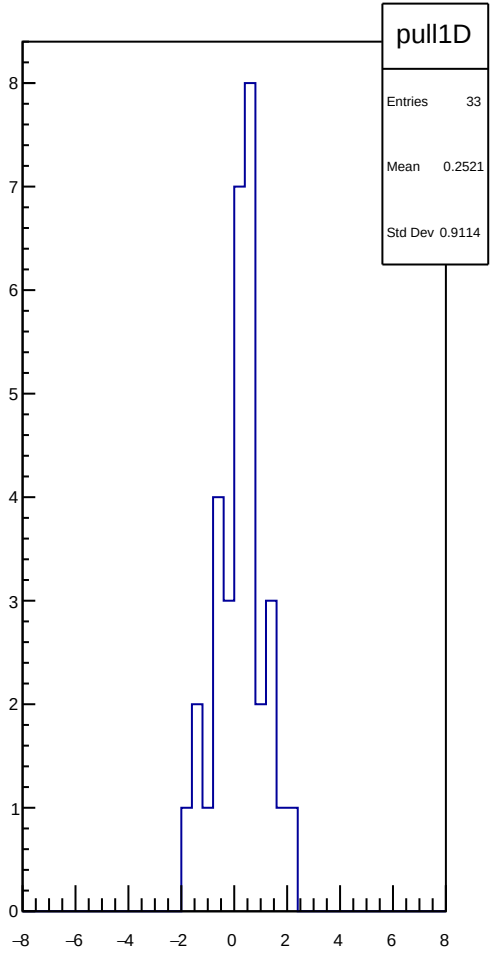

pull1D
Entries 33
Mean −0.03173
Std Dev 1.023

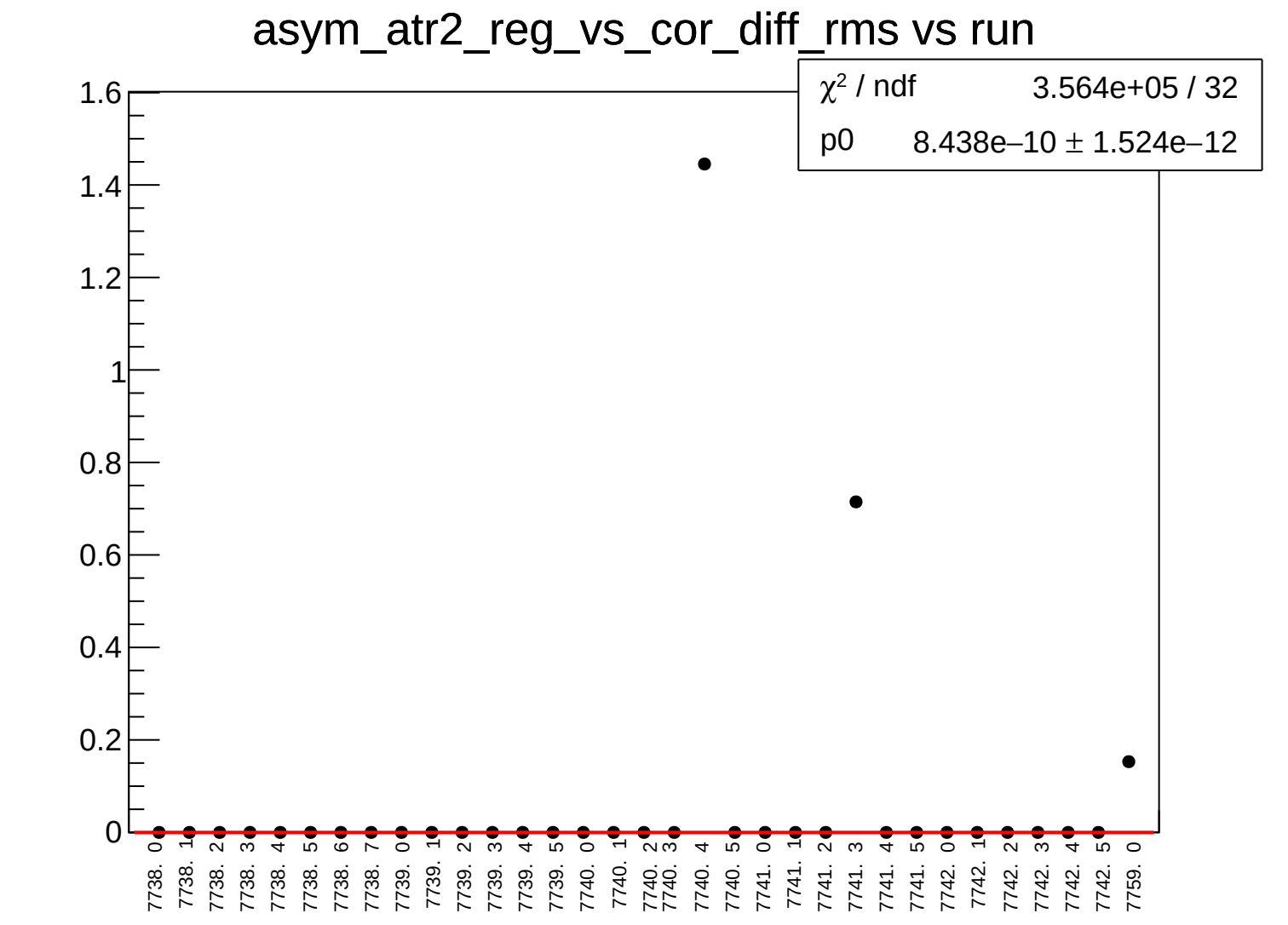

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 6331 / 32
p0 1.664e+04 ± 20.54
20000
19000
18000
17000
16000
15000
14000
13000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

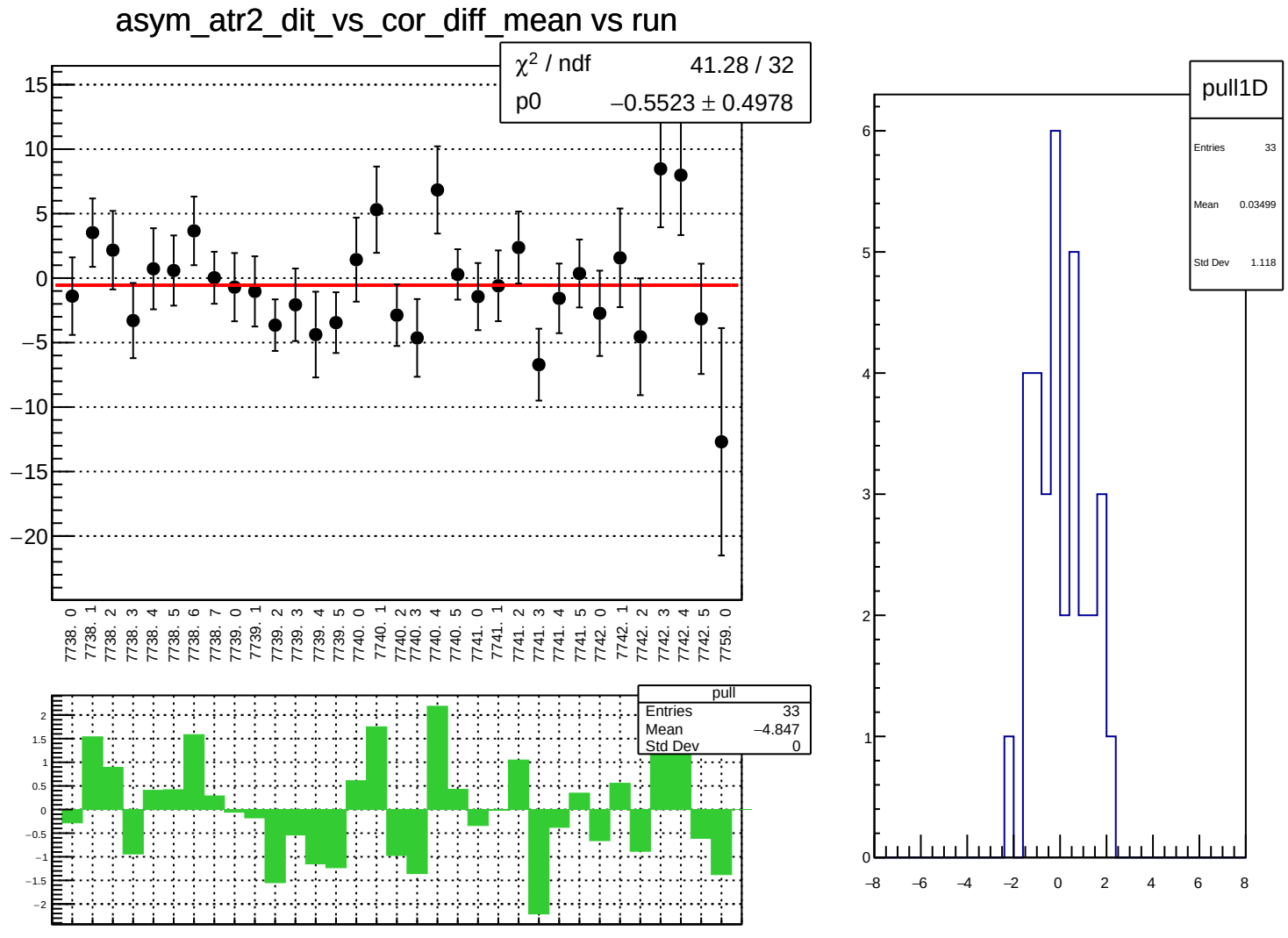

asym_atr2_mean vs run
×10^3
χ² / ndf 34.02 / 32
p0 −2081 ± 2.934e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −31.58
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03506
Std Dev 1.015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

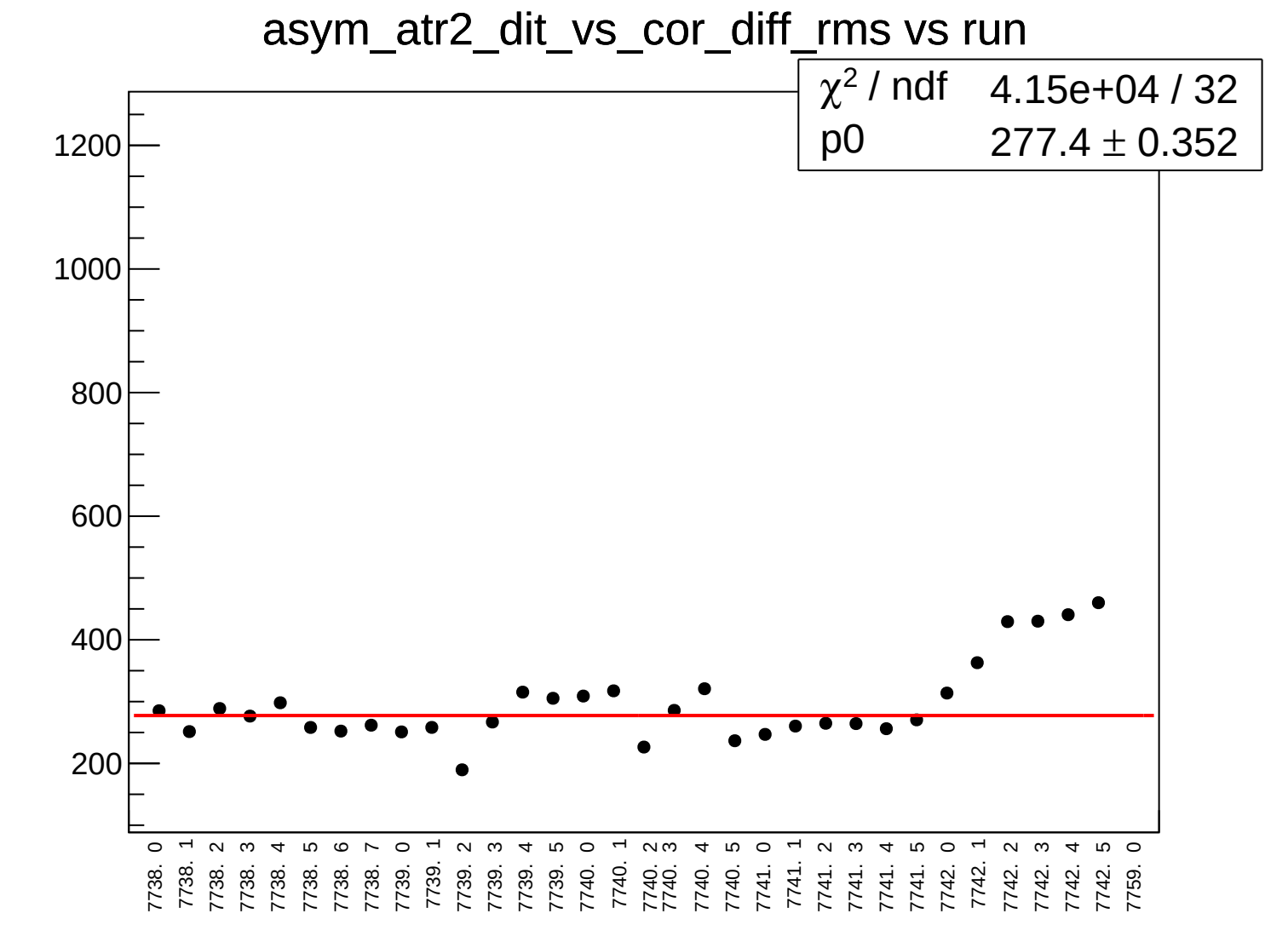

asym_atr2_rms vs run
χ² / ndf 4089 / 32
p0 1.684e+04 ± 20.75
20000
19000
18000
17000
16000
15000
14000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 29.51 / 32
p0 −9.926e−13 ± 2.156e−12
0.04
0.03
0.02
0.01
0
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.54
Std Dev 1.042
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

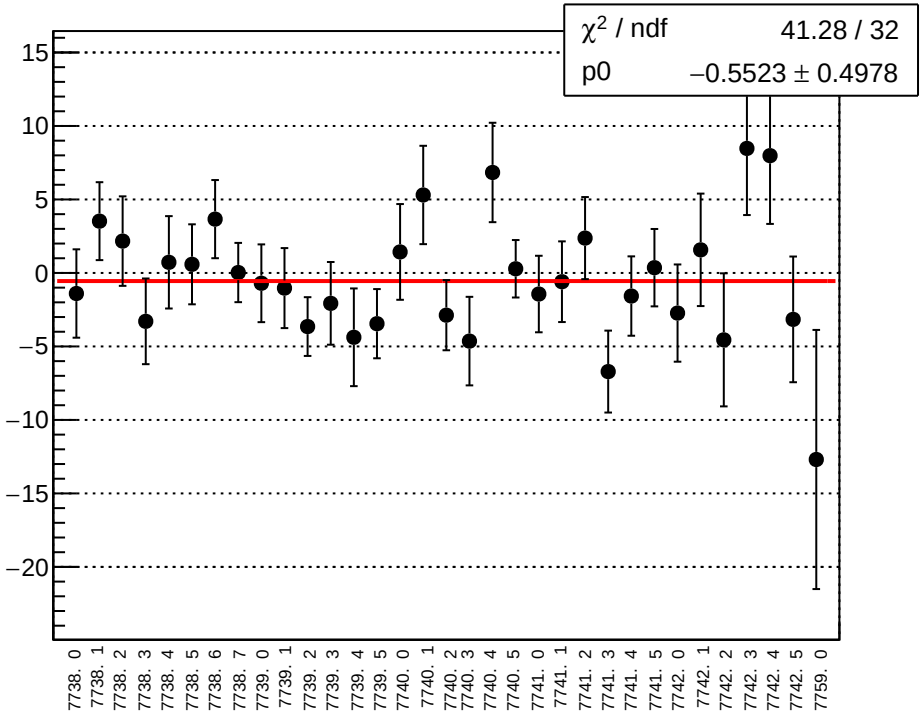

pull1D
Entries 33
Mean 0.2521
Std Dev 0.9114
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

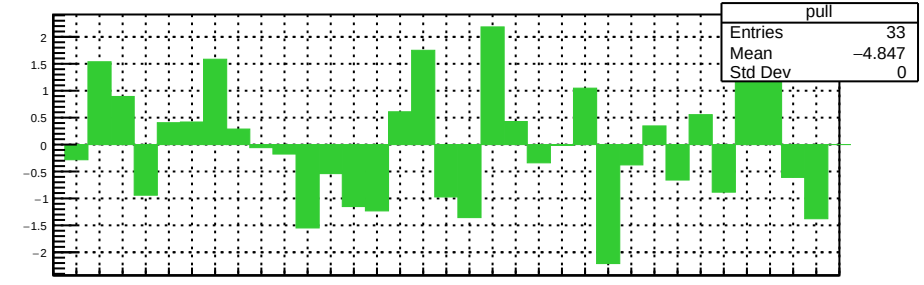

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 3.564e+05 / 32
p0 8.438e−10 ± 1.524e−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

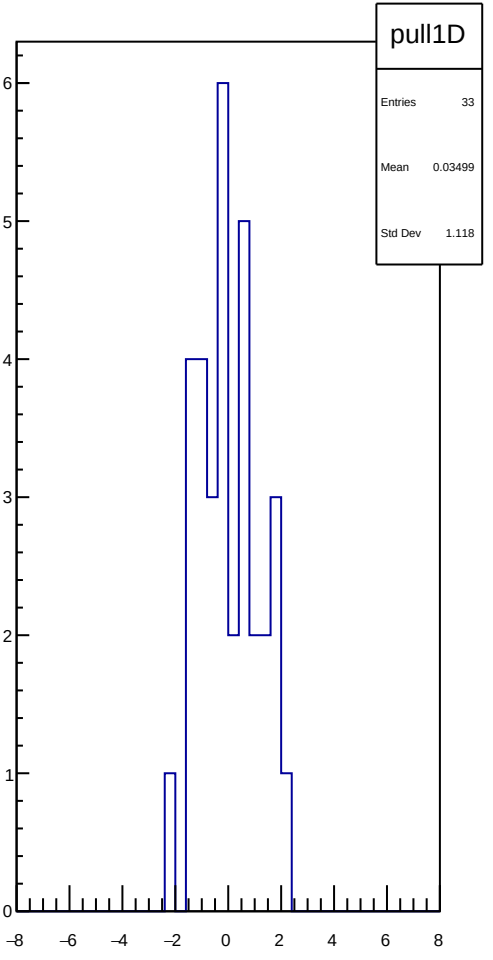

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 41.28 / 32
p0 −0.5523 ± 0.4978
15
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.847
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03499
Std Dev 1.118
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

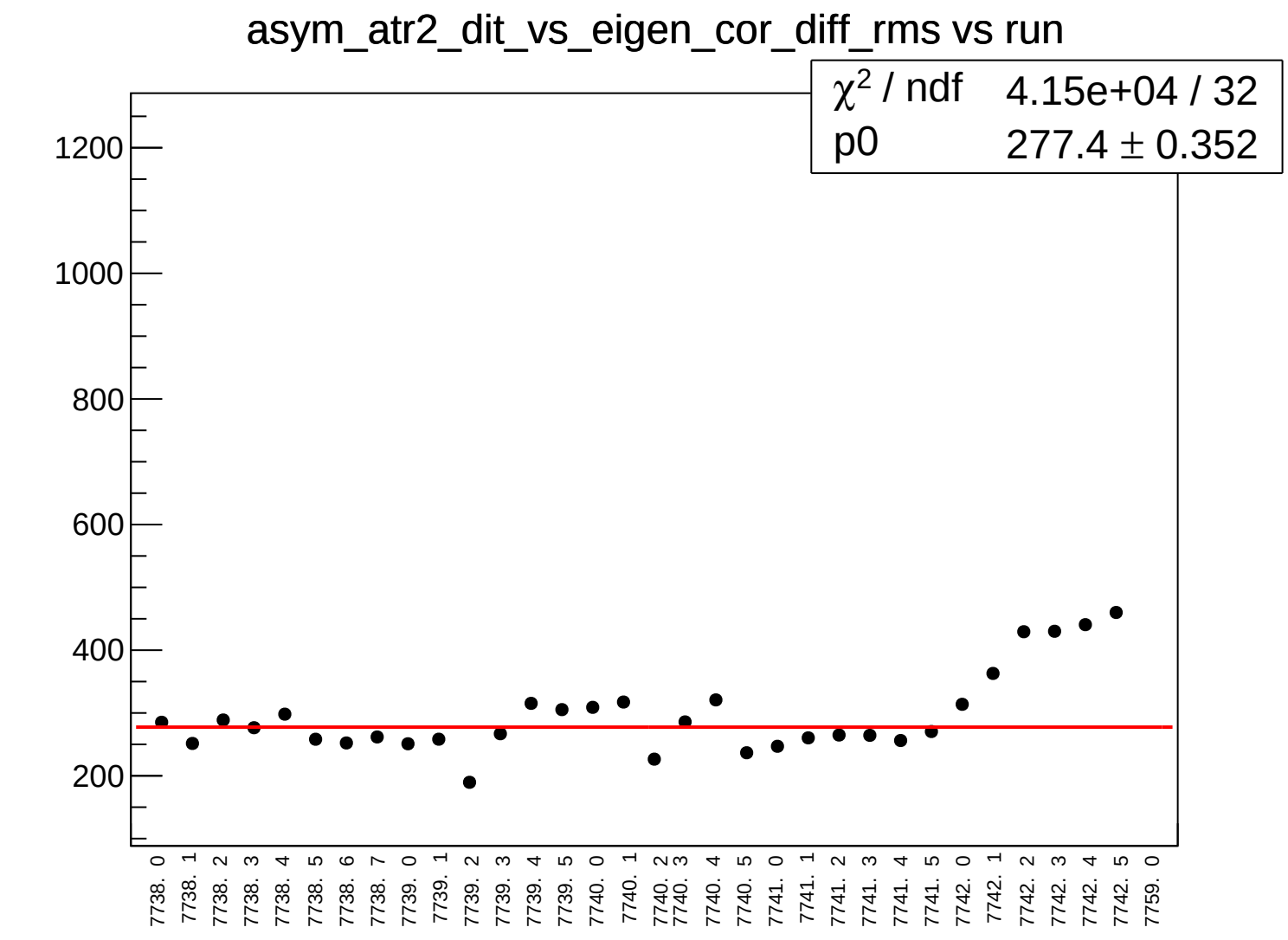

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 4.15e+04 / 32
p0 277.4 ± 0.352
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

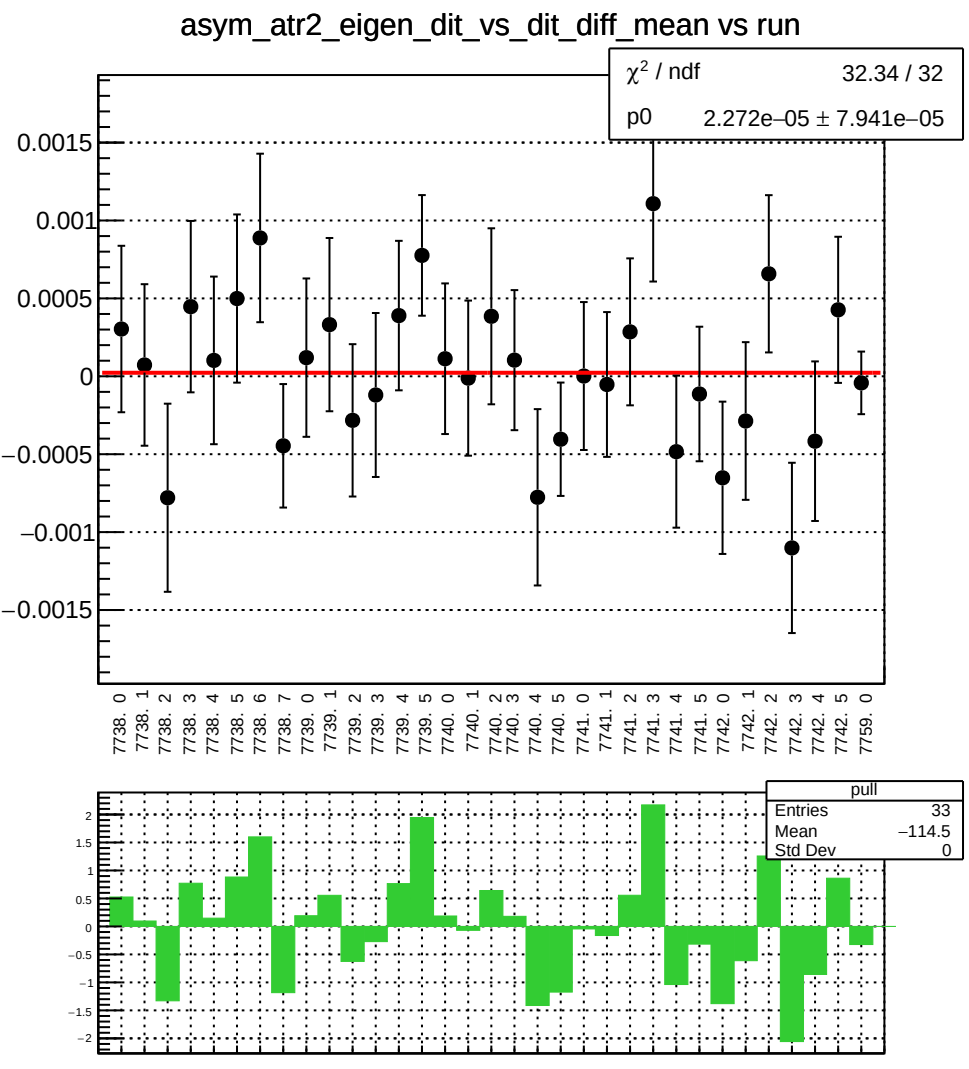
asym_atr2_dit_vs_eigen_cor_diff_mean vs run

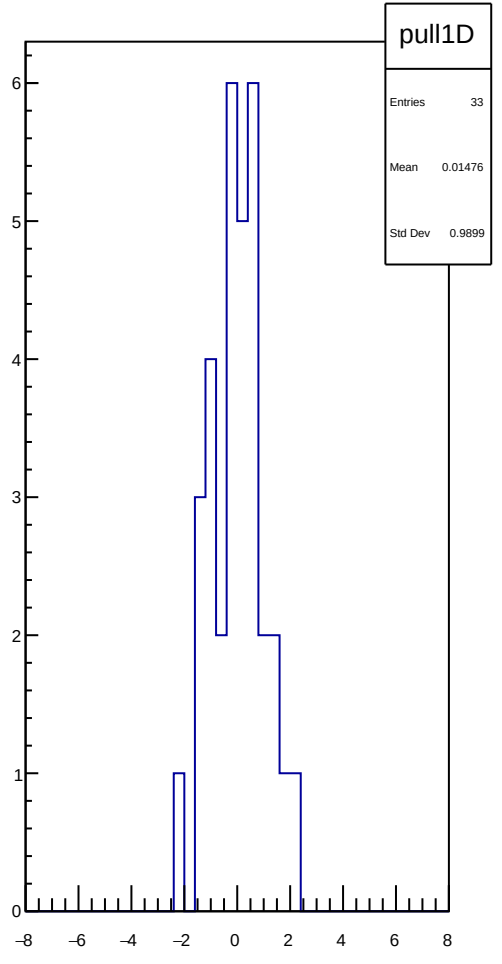


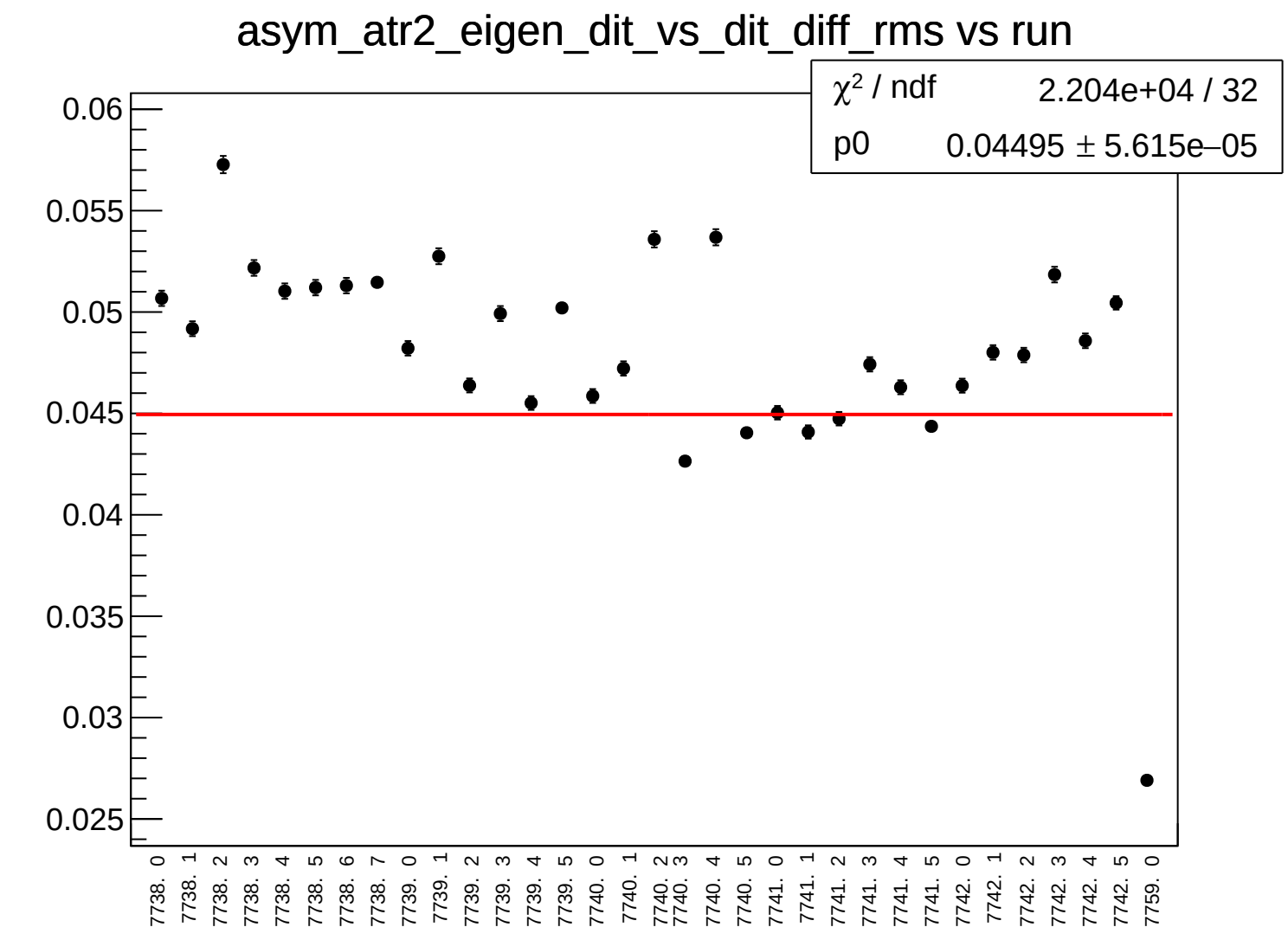




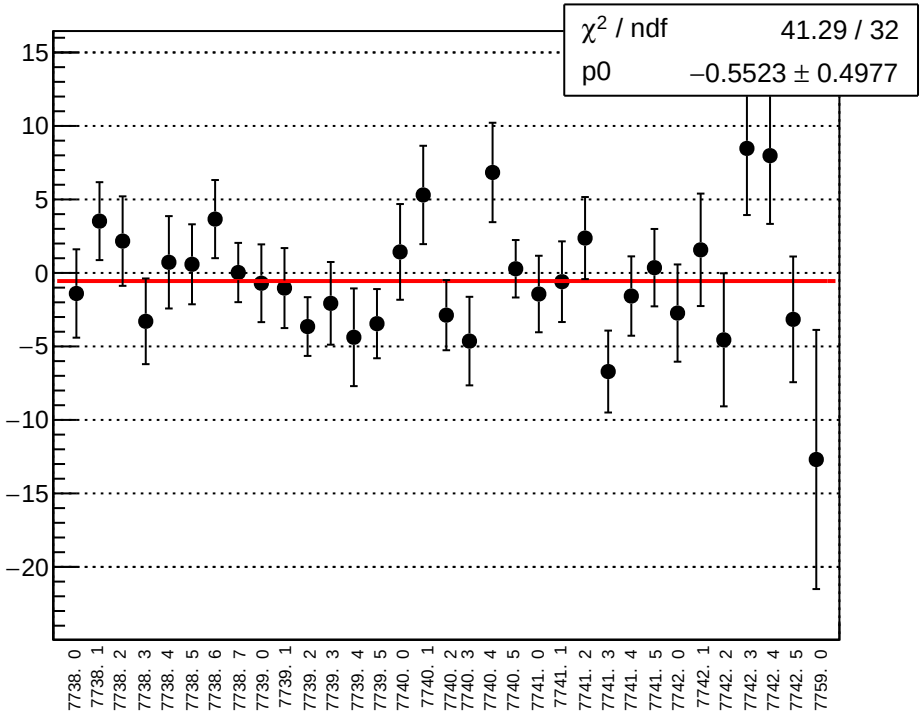

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.15e+04 / 32
p0 277.4 ± 0.352
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

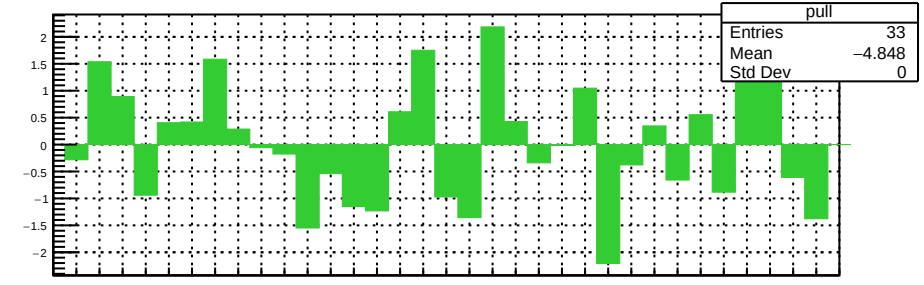

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 32.34 / 32
p0 2.272e−05 ± 7.941e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −114.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

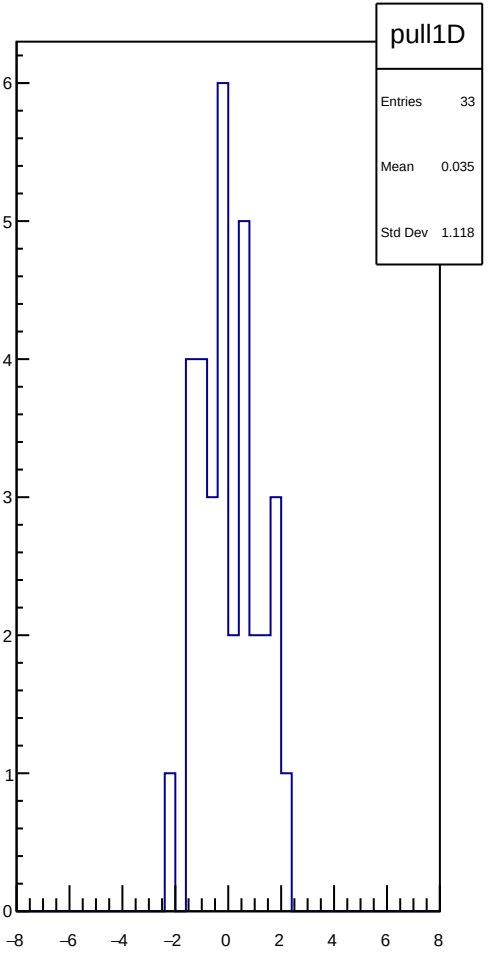

pull1D
Entries 33
Mean 0.01476
Std Dev 0.9899
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

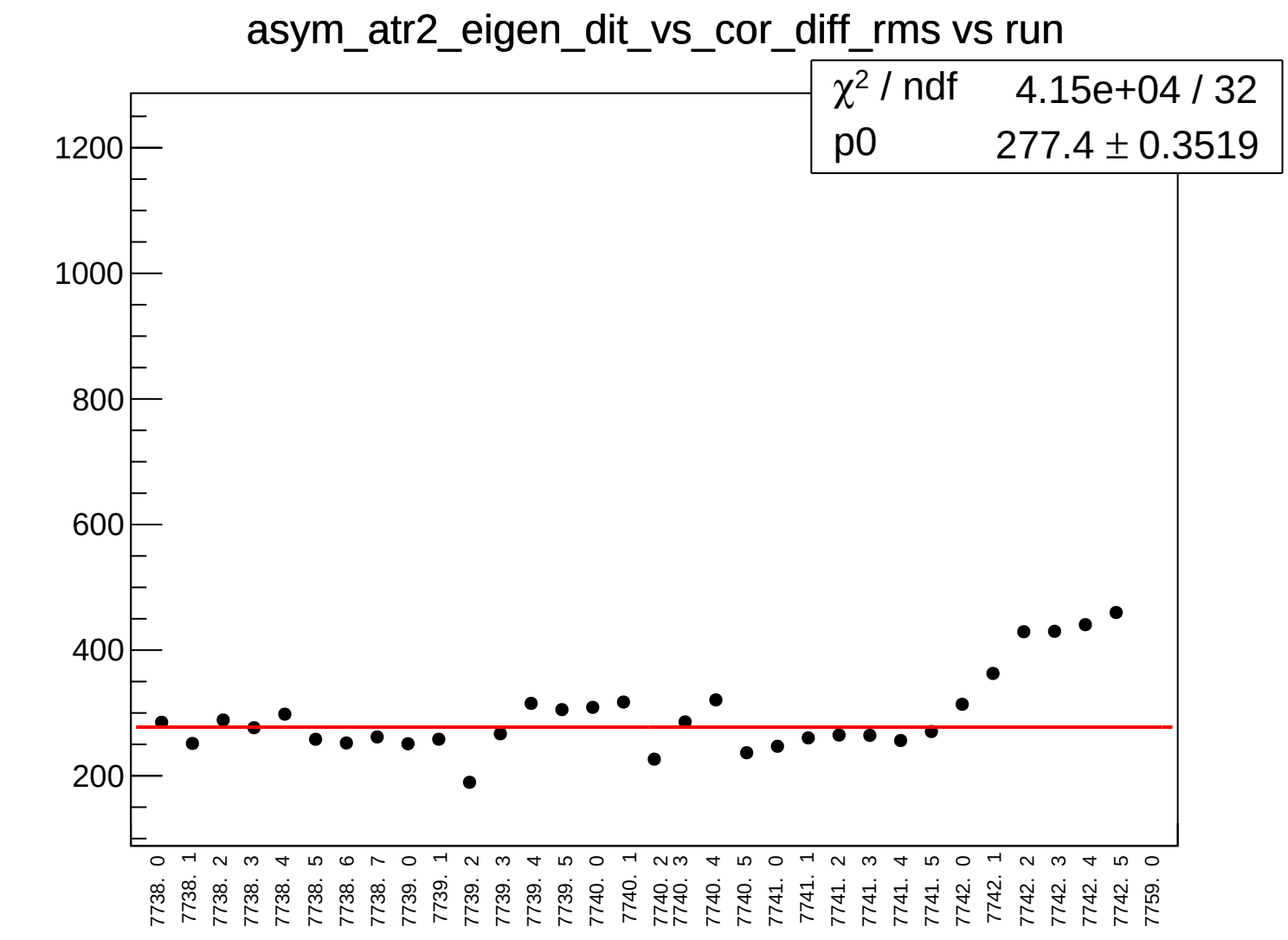

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.204e+04 / 32
p0 0.04495 ± 5.615e−05
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

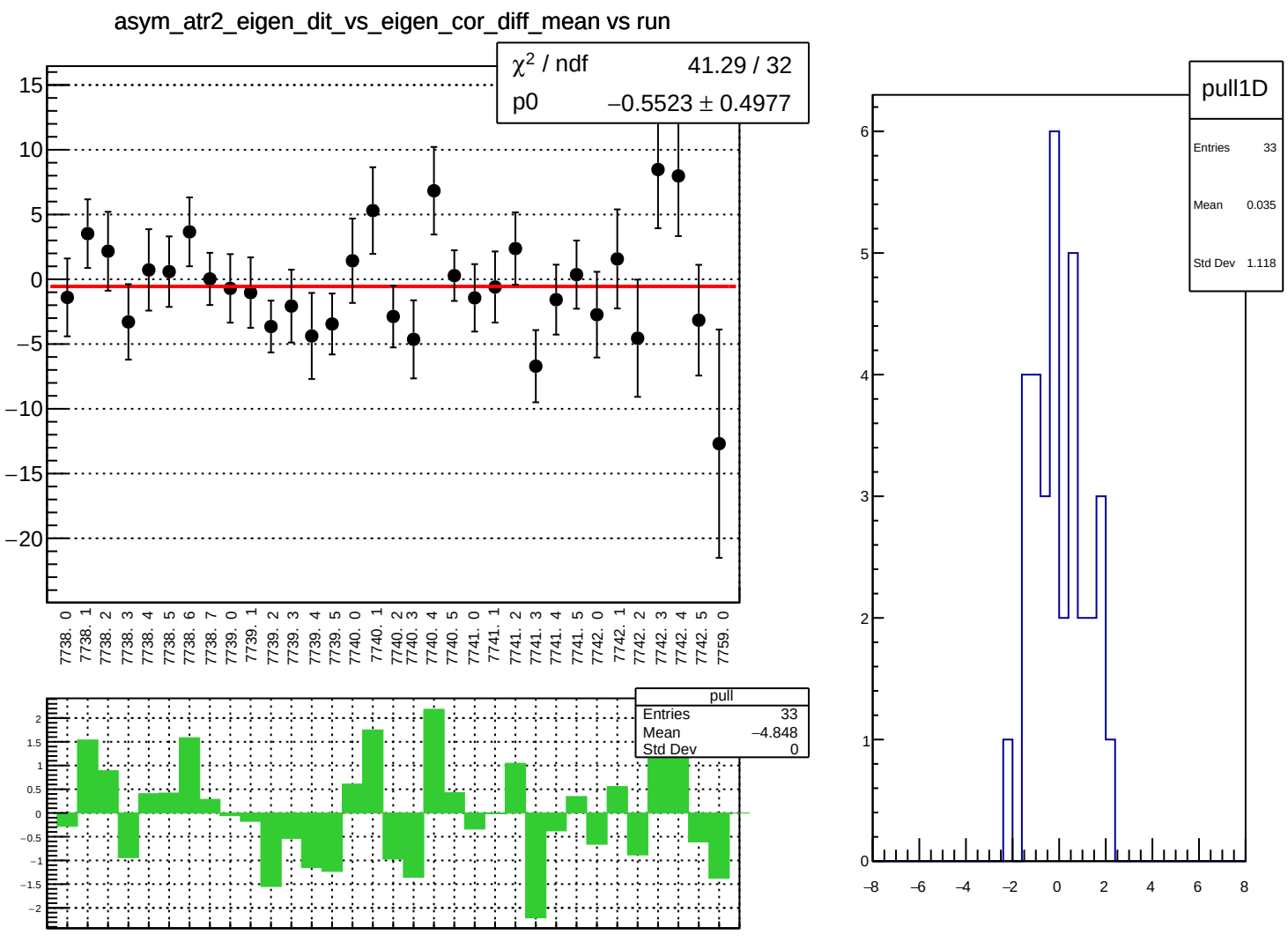
asym_atr2_eigen_dit_vs_cor_diff_mean vs run

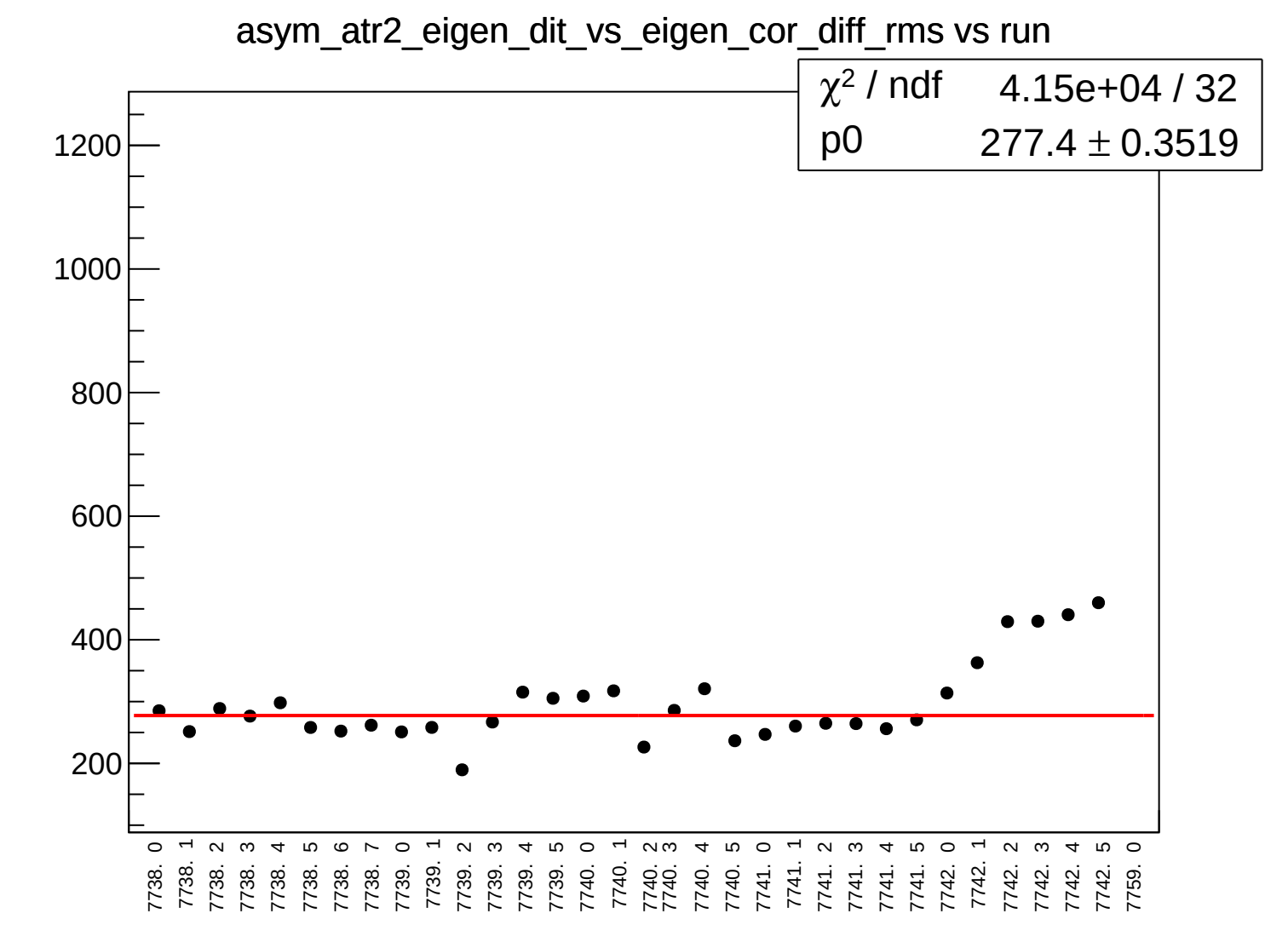


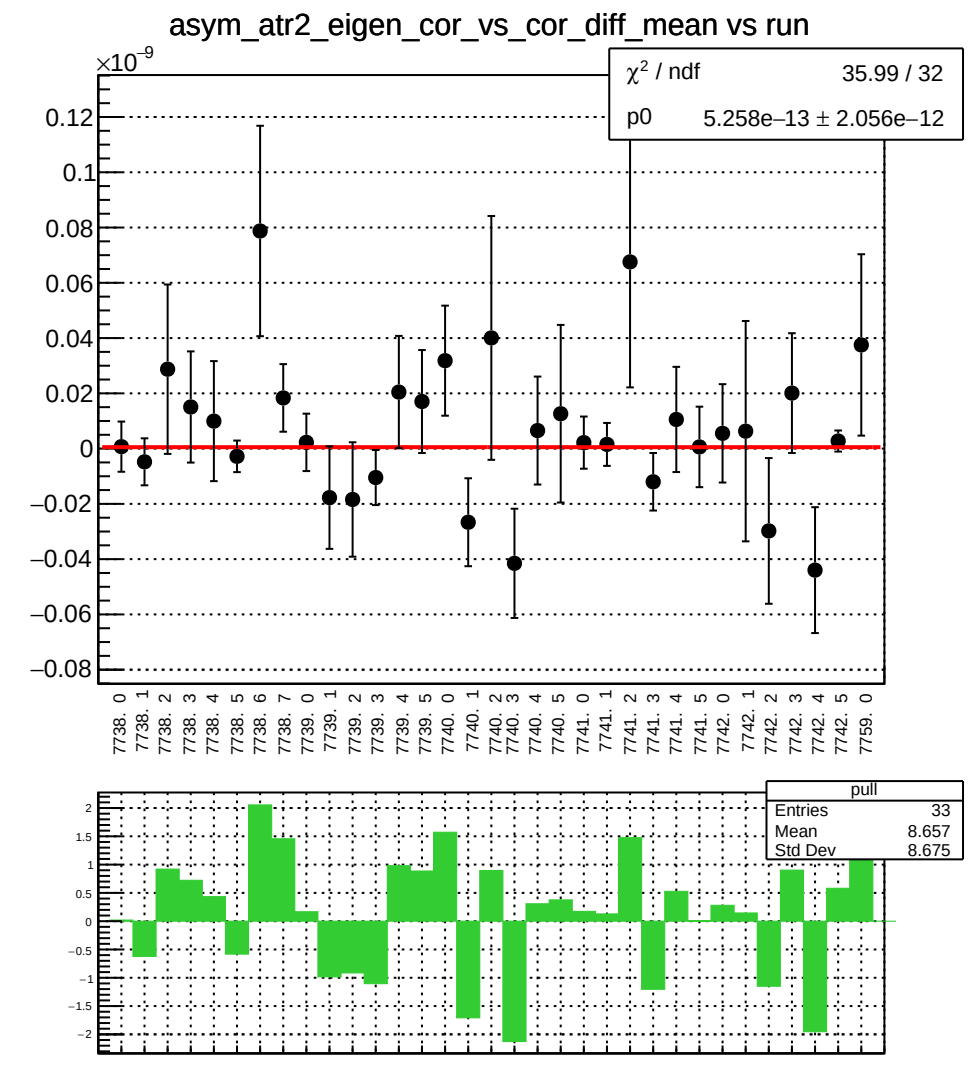


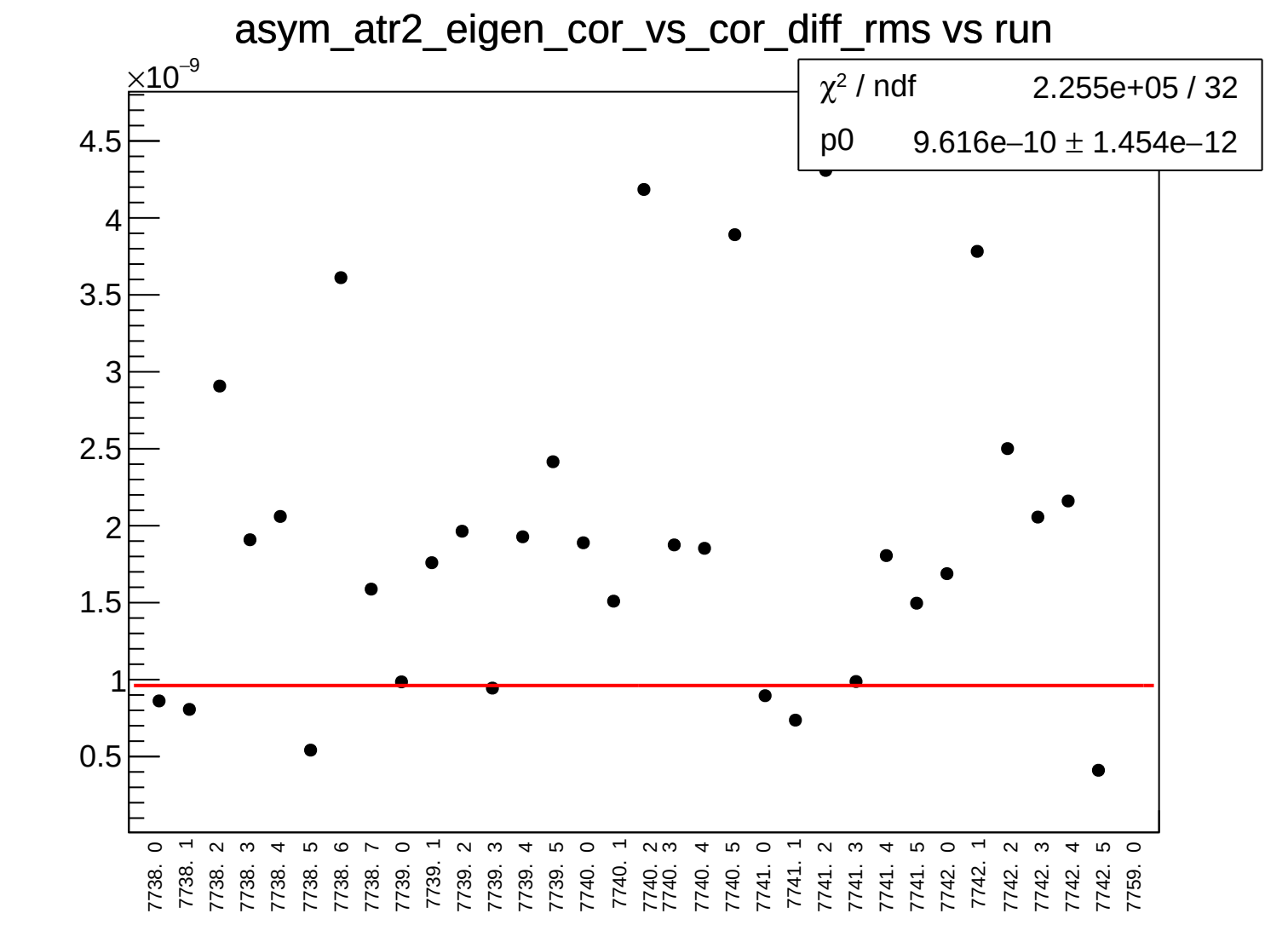


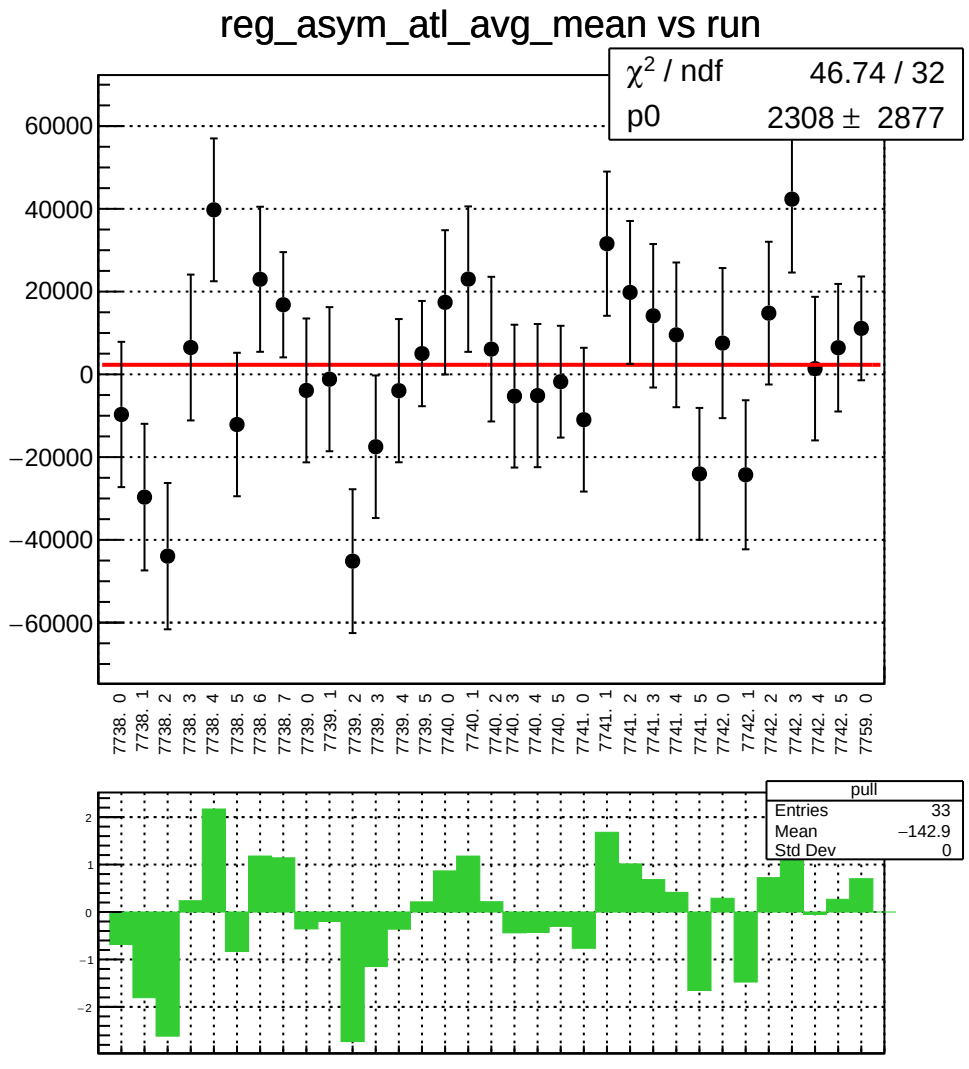

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.15e+04 / 32
p0 277.4 ± 0.3519
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

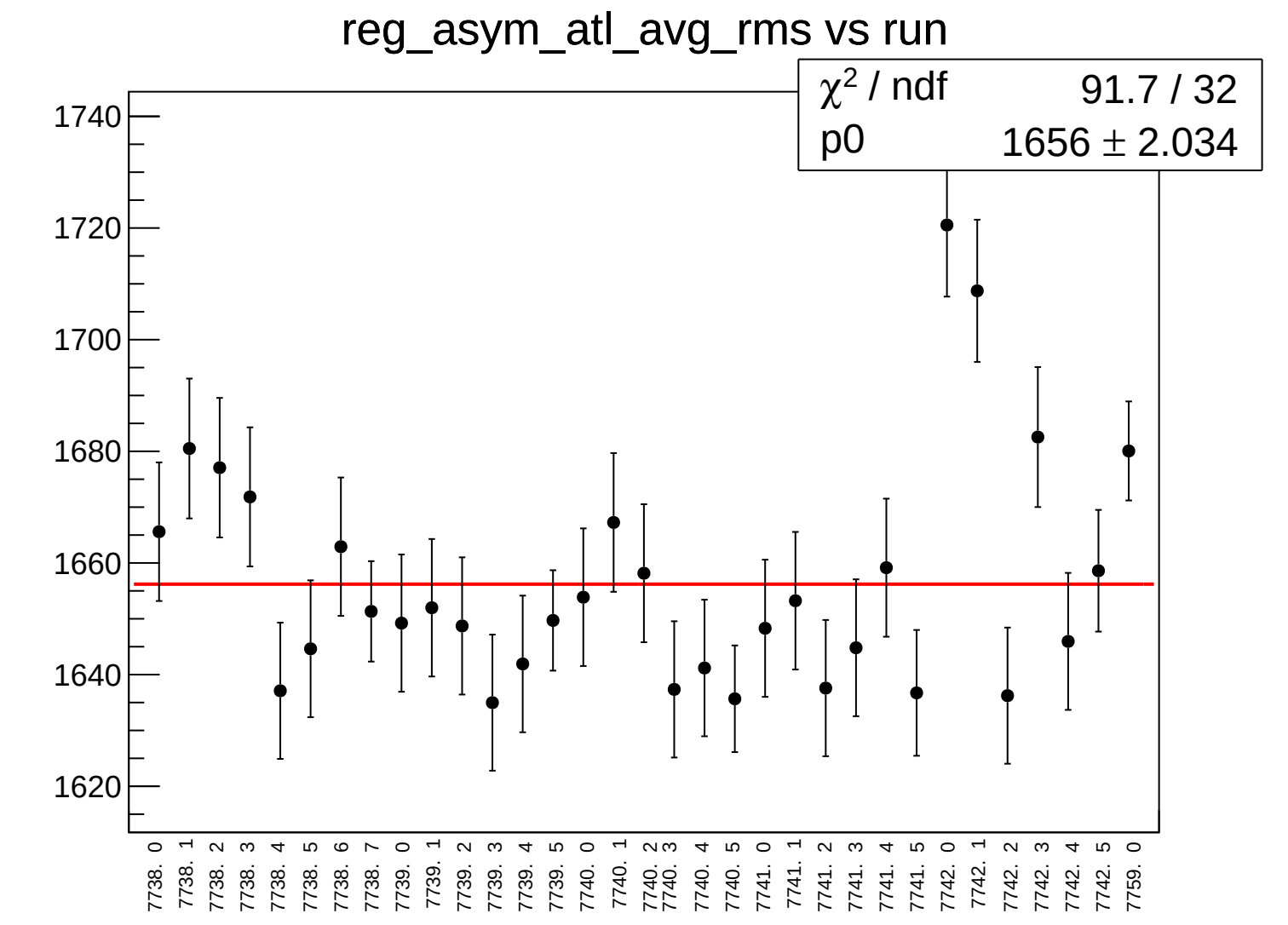

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.29 / 32
p0 −0.5523 ± 0.4977
15
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.848
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.035
Std Dev 1.118
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

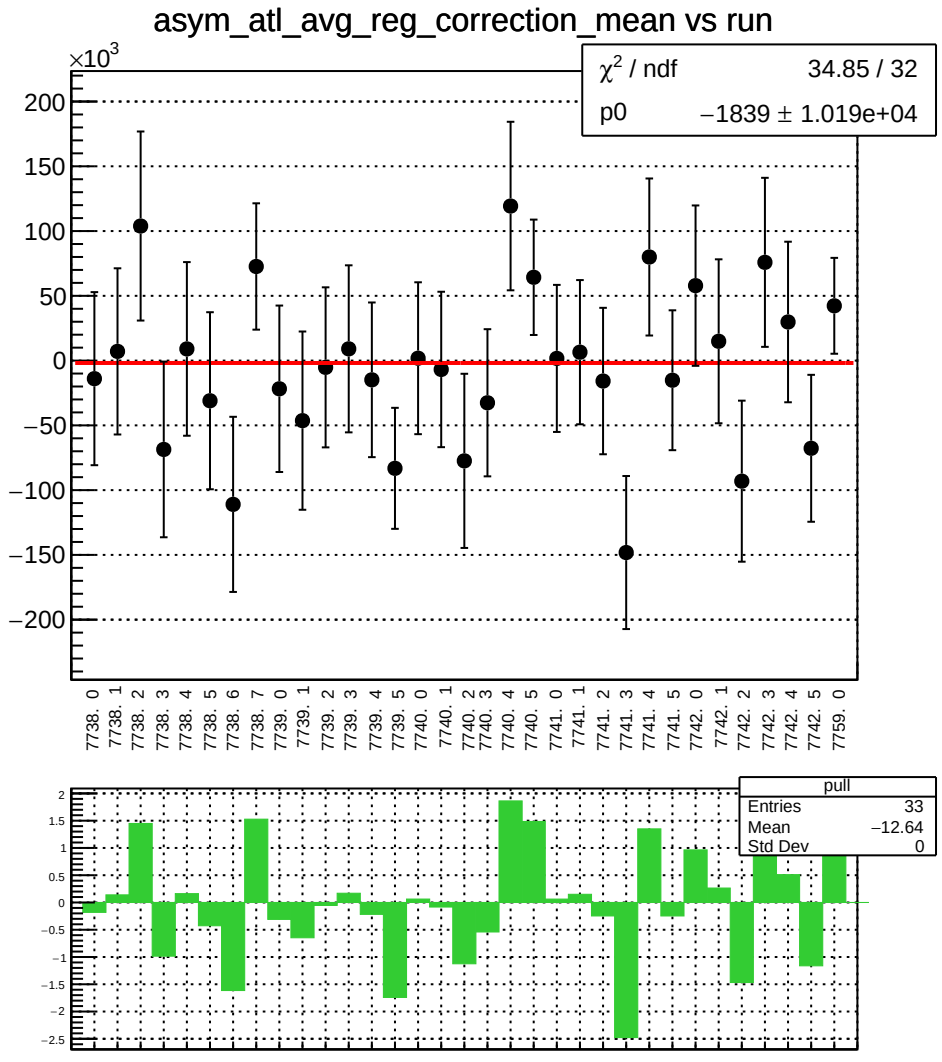

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.15e+04 / 32
p0 277.4 ± 0.3519
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

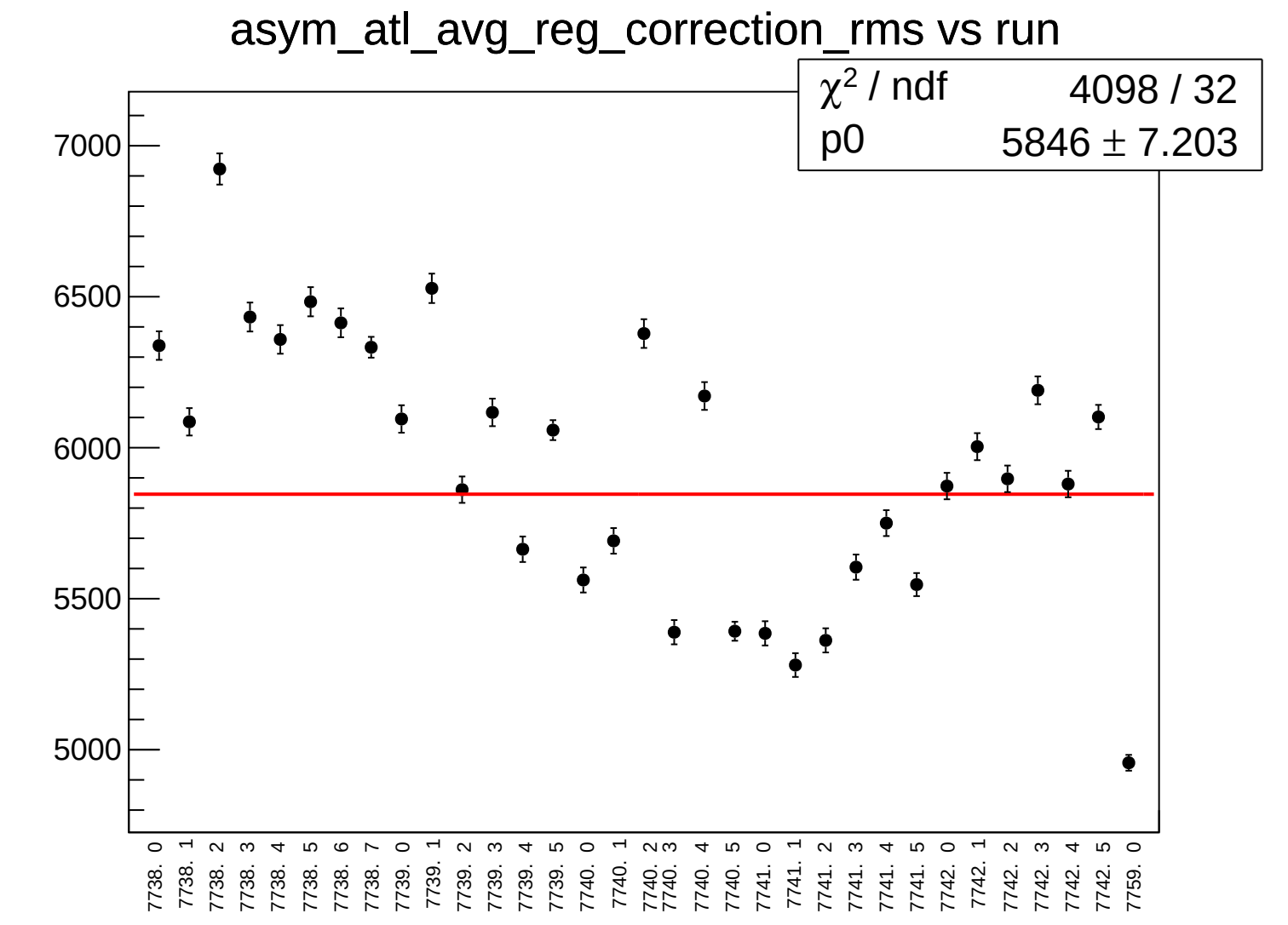

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 35.99 / 32
p0 5.258e−13 ± 2.056e−12
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.657
Std Dev 8.675
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.115
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

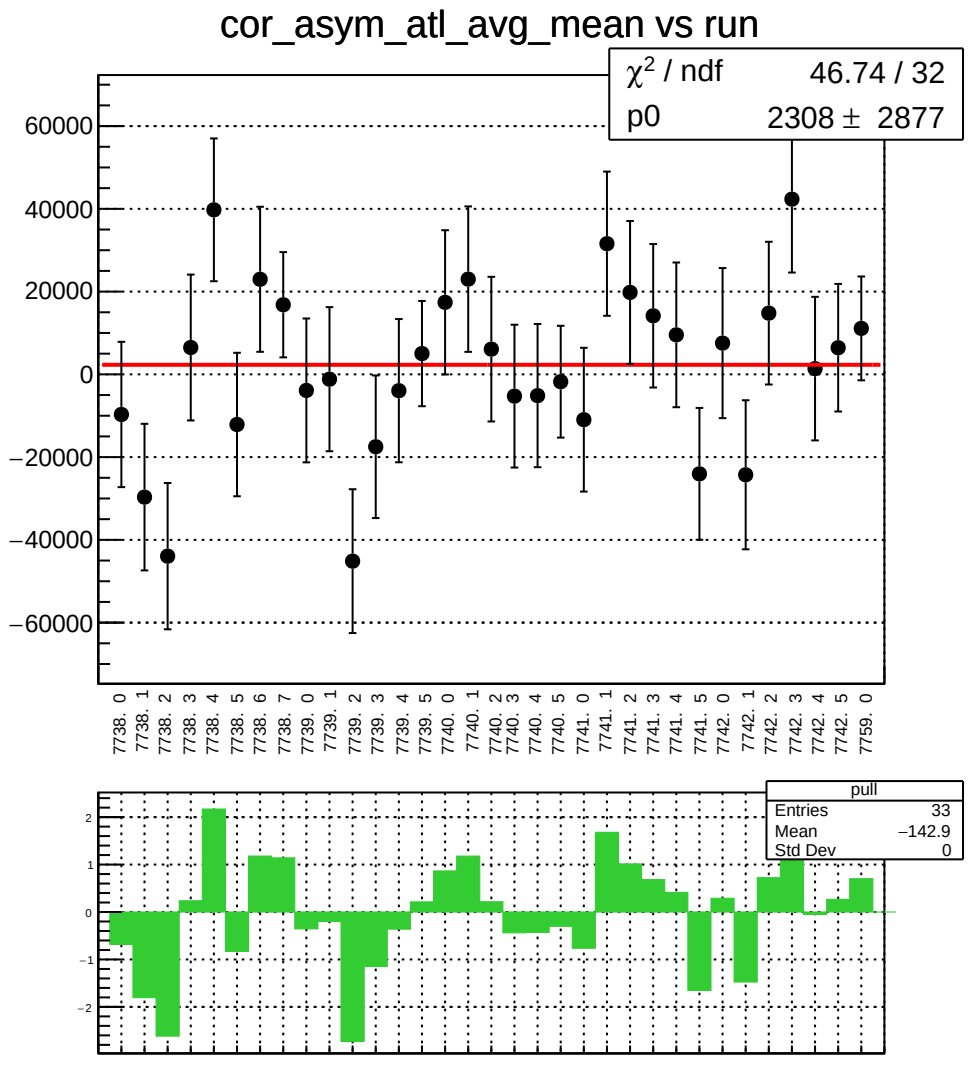

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.255e+05 / 32
p0 9.616e−10 ± 1.454e−12
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

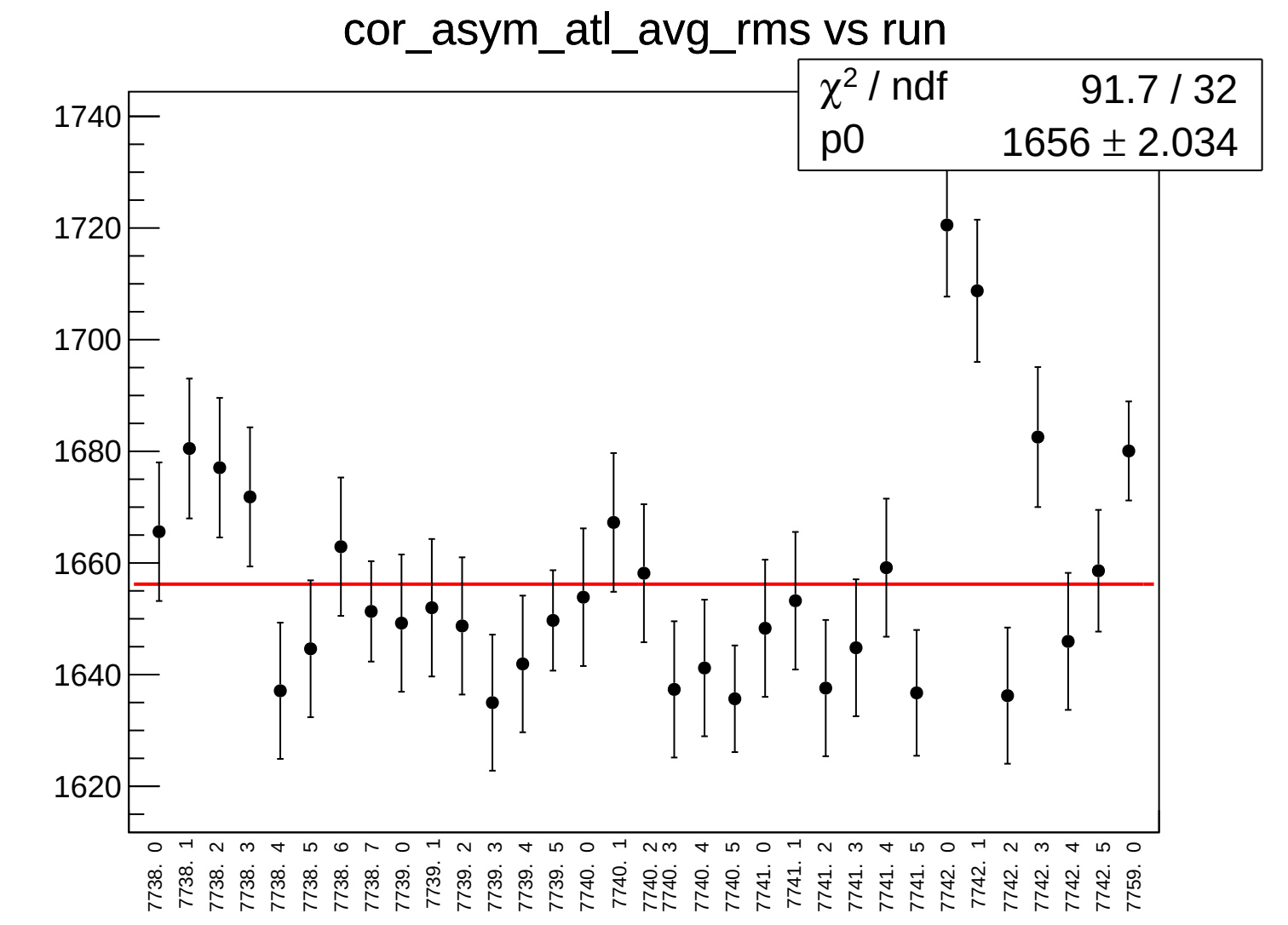

reg_asym_atl_avg_mean vs run
χ² / ndf 46.74 / 32
p0 2308 ± 2877
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −142.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01873
Std Dev 1.19
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

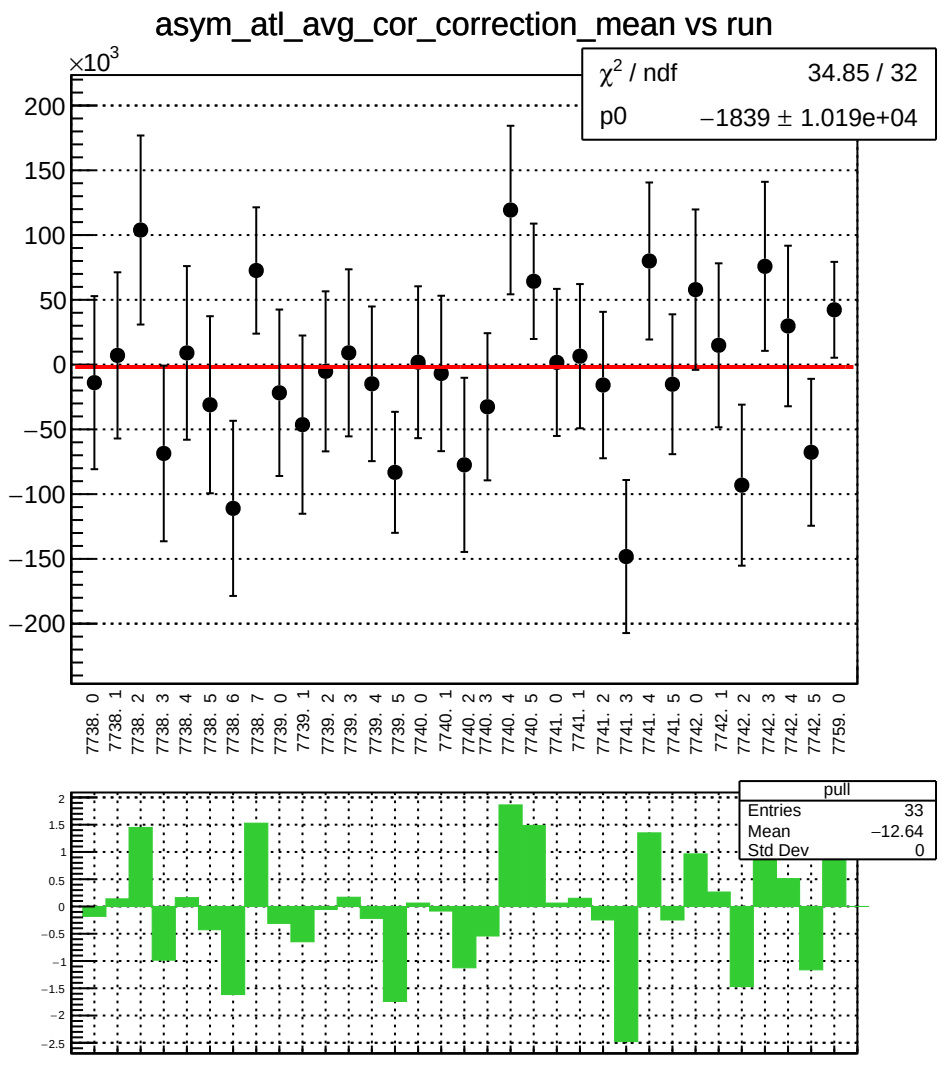

reg_asym_atl_avg_rms vs run
χ² / ndf 91.7 / 32
p0 1656 ± 2.034
1740
1720
1700
1680
1660
1640
1620
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

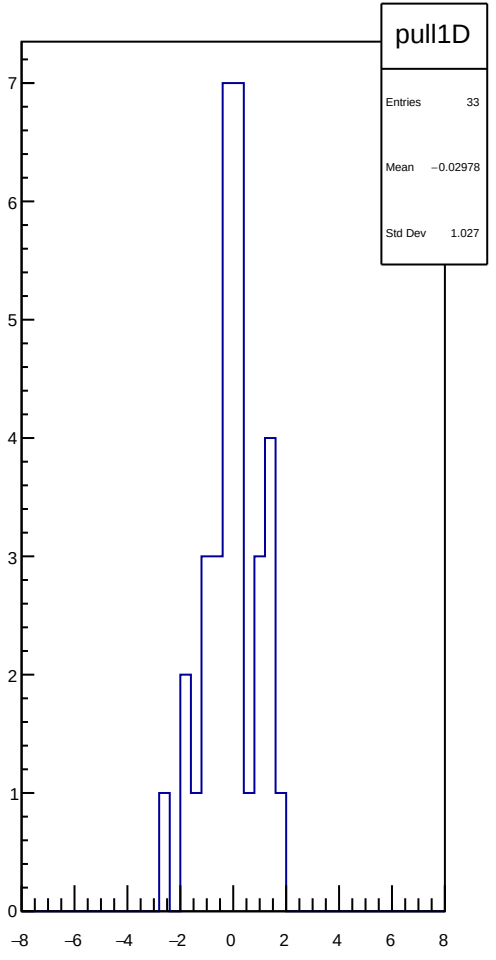

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.85 / 32
p0 −1839 ± 1.019e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.02978
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

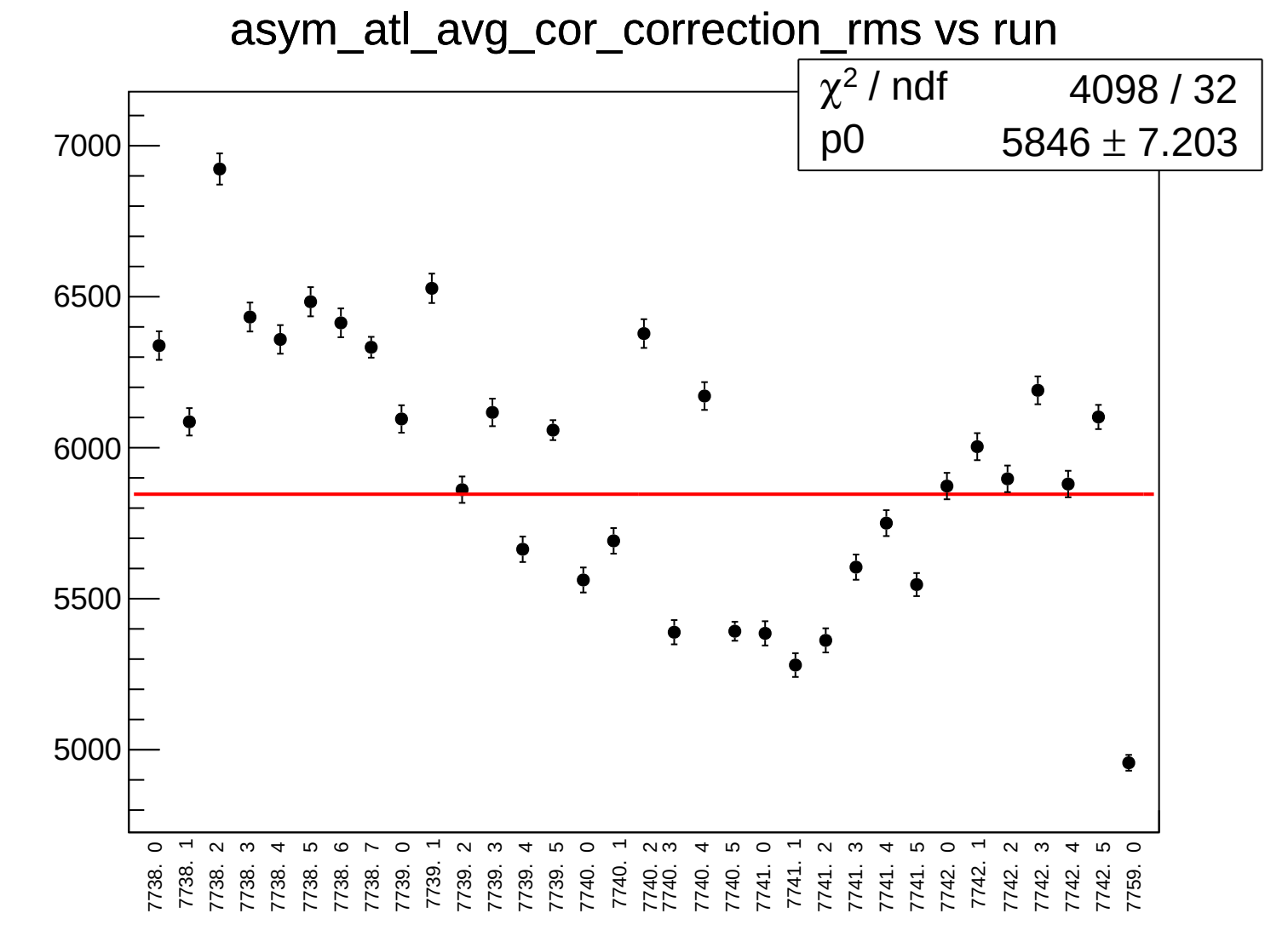

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 4098 / 32
p0 5846 ± 7.203
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

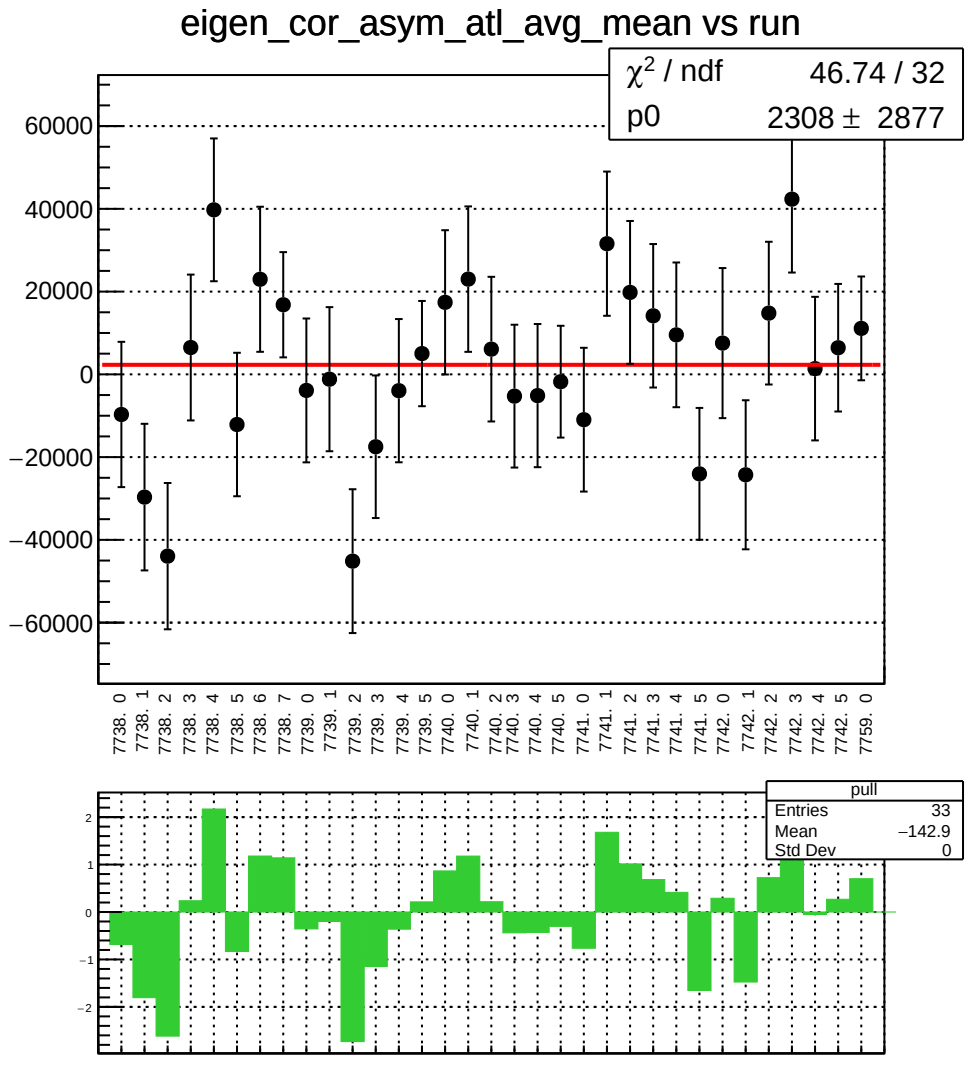

cor_asym_atl_avg_mean vs run
χ² / ndf 46.74 / 32
p0 2308 ± 2877
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −142.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01873
Std Dev 1.19
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

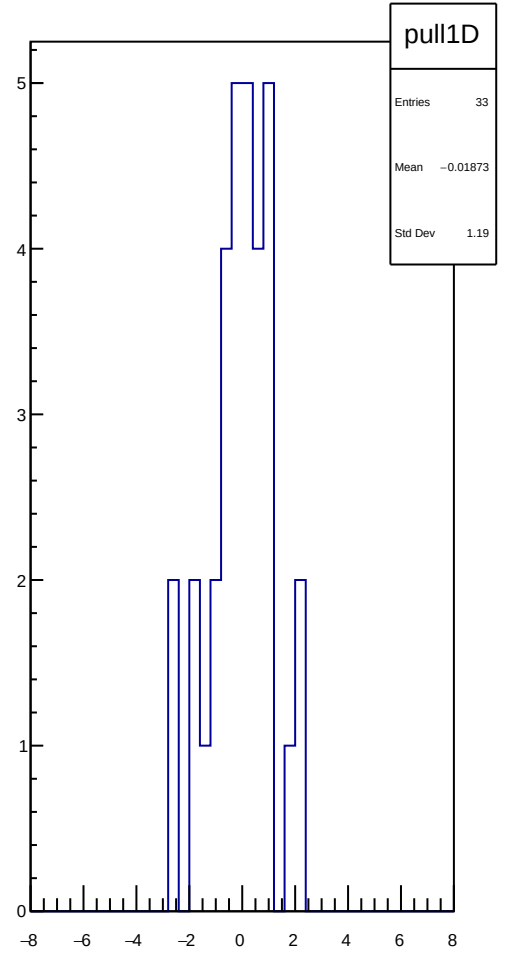

cor_asym_atl_avg_rms vs run
χ² / ndf 91.7 / 32
p0 1656 ± 2.034
1740
1720
1700
1680
1660
1640
1620
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

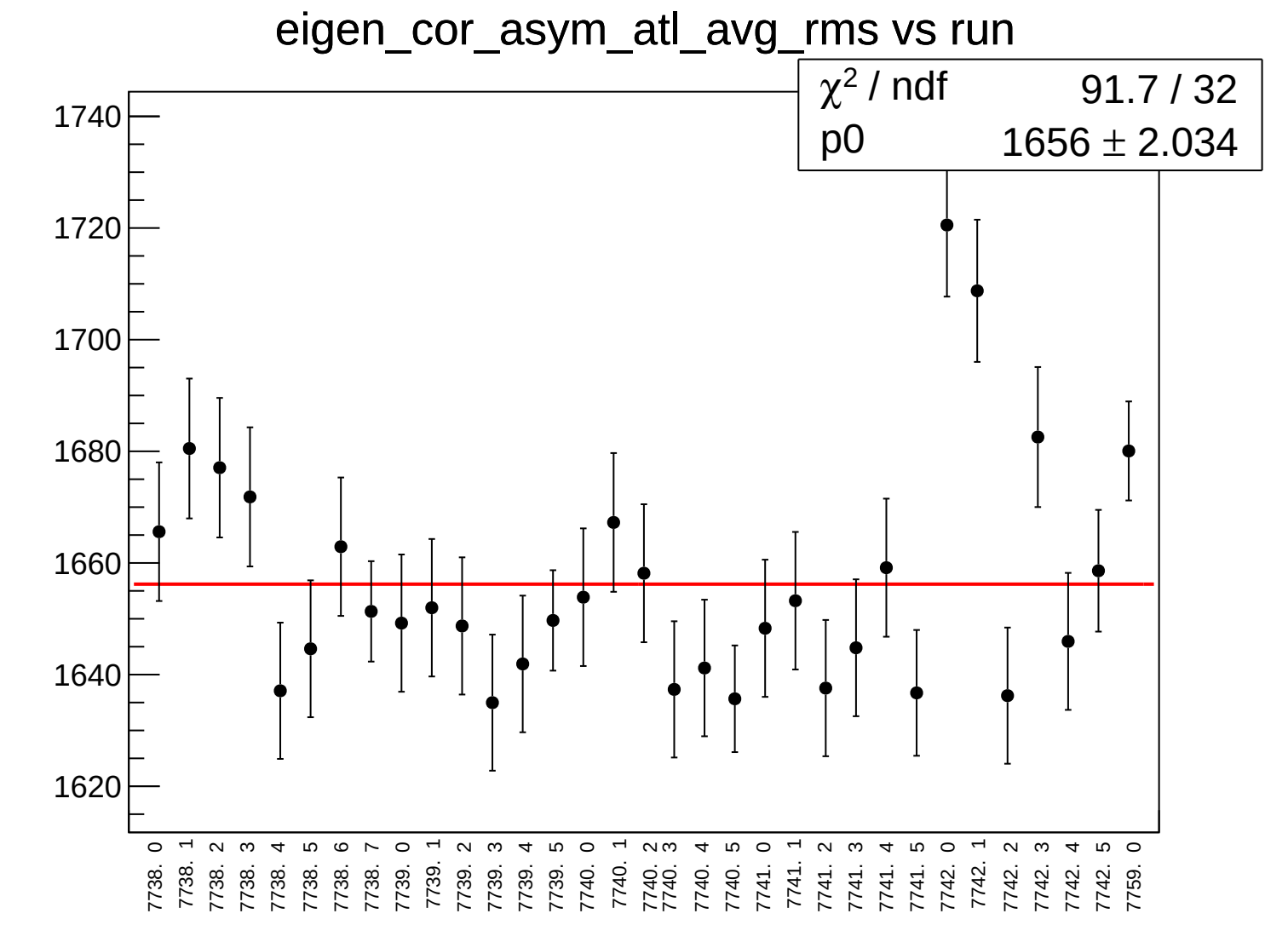

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.85 / 32
p0 −1839 ± 1.019e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

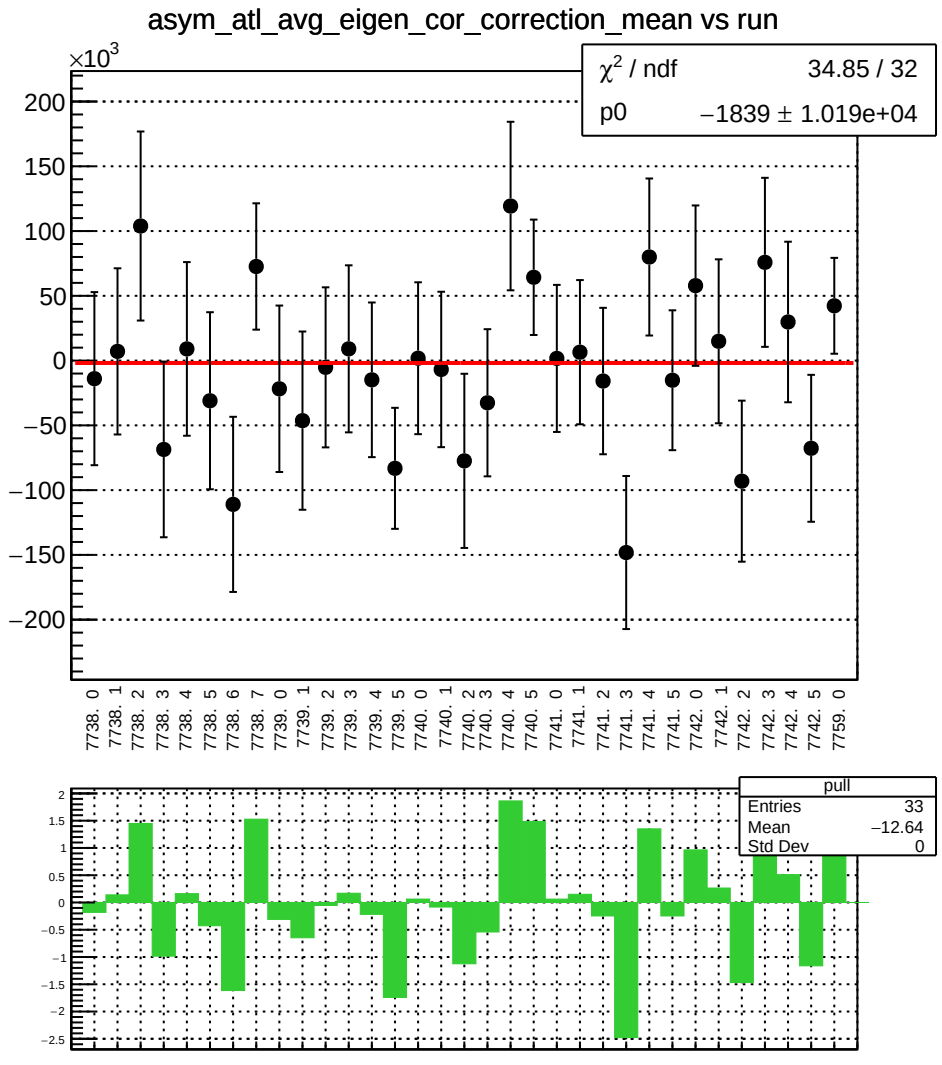

pull1D
Entries 33
Mean −0.02978
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

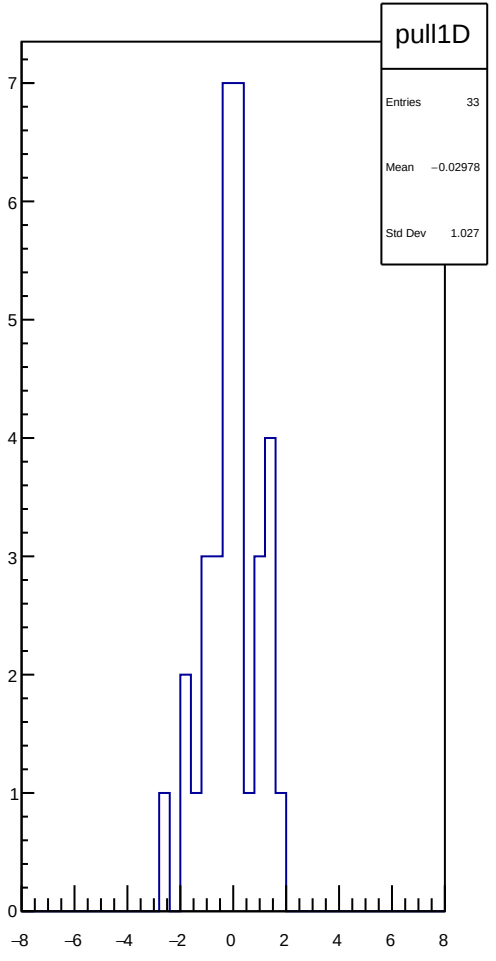

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 4098 / 32
p0 5846 ± 7.203
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

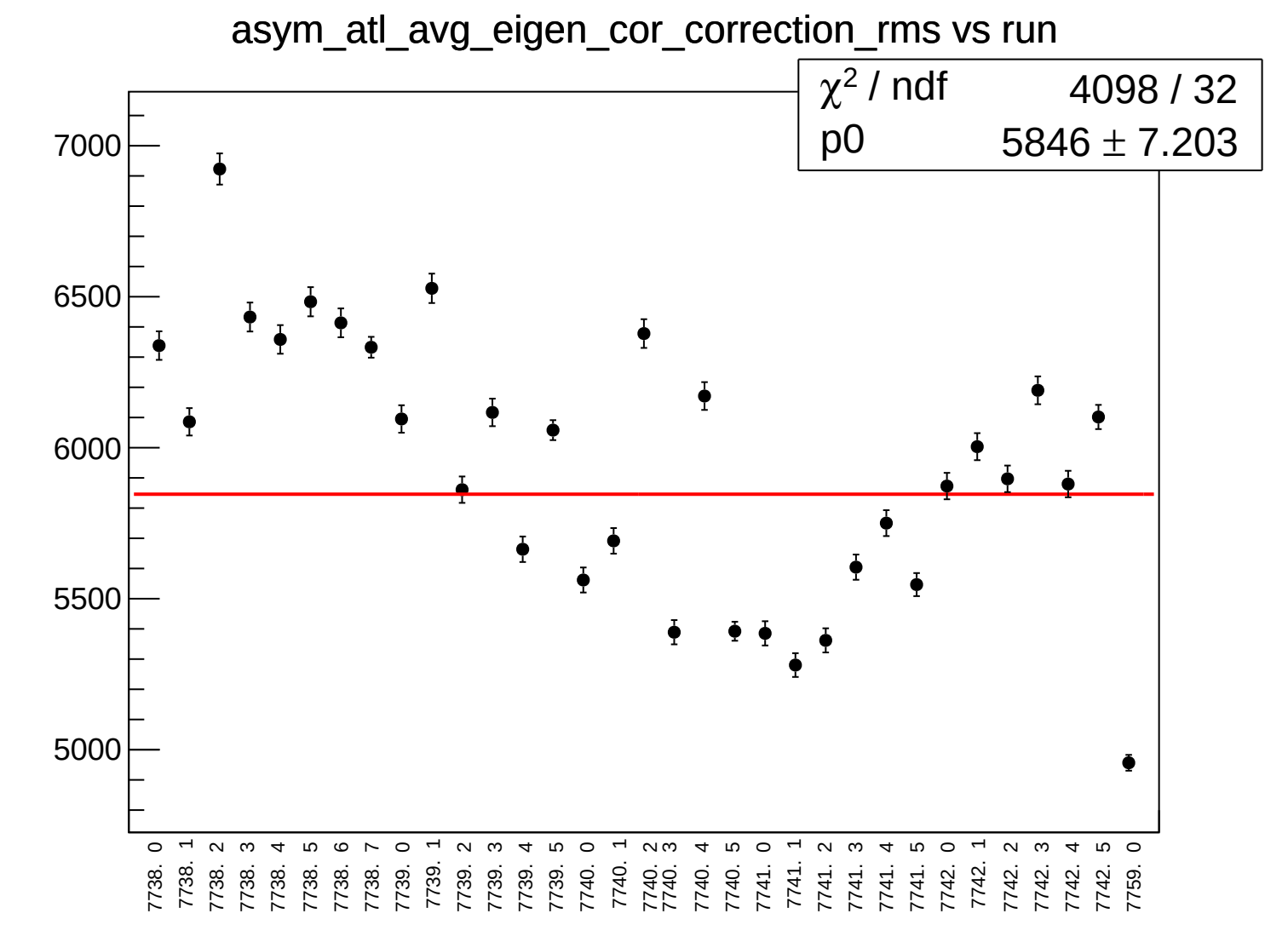

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 46.74 / 32
p0 2308 ± 2877
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −142.9
Std Dev 0
2
1
0
−1
−2

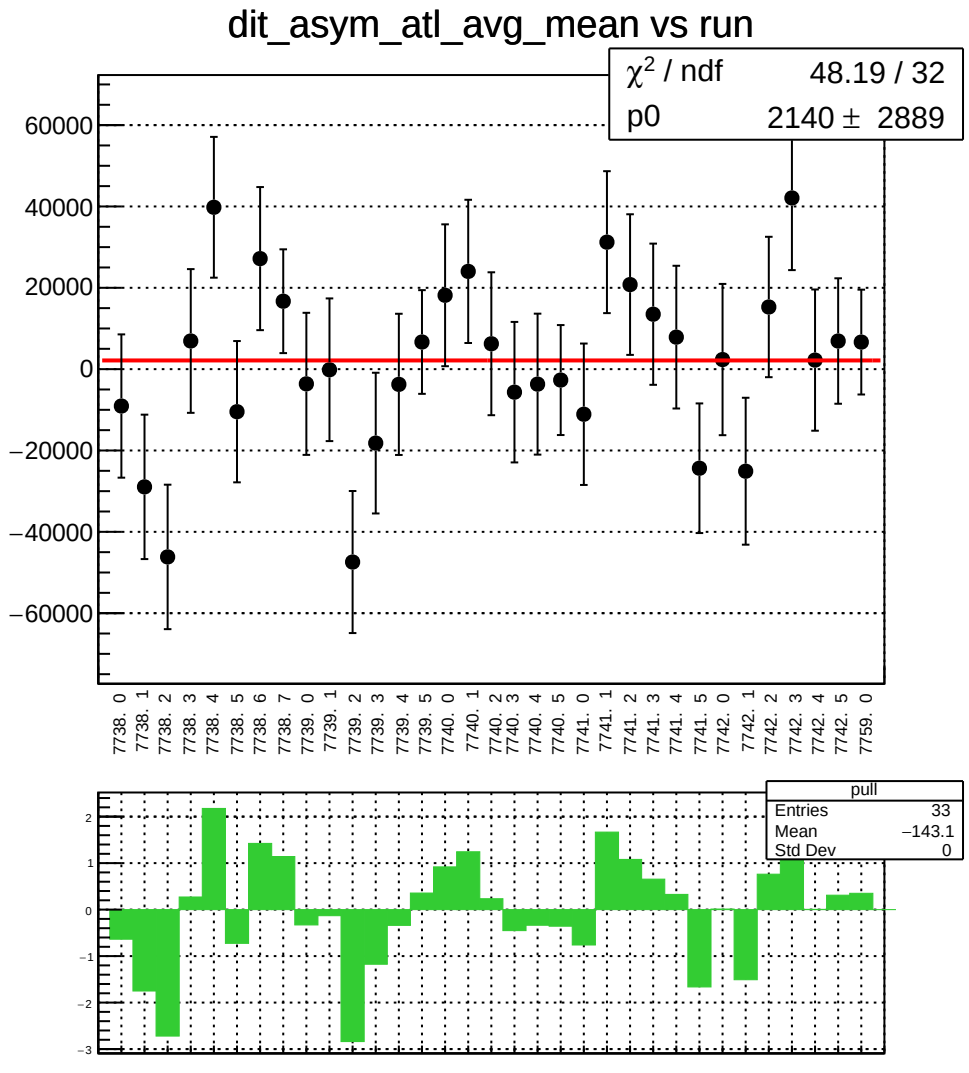

pull1D
Entries 33
Mean −0.01873
Std Dev 1.19
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

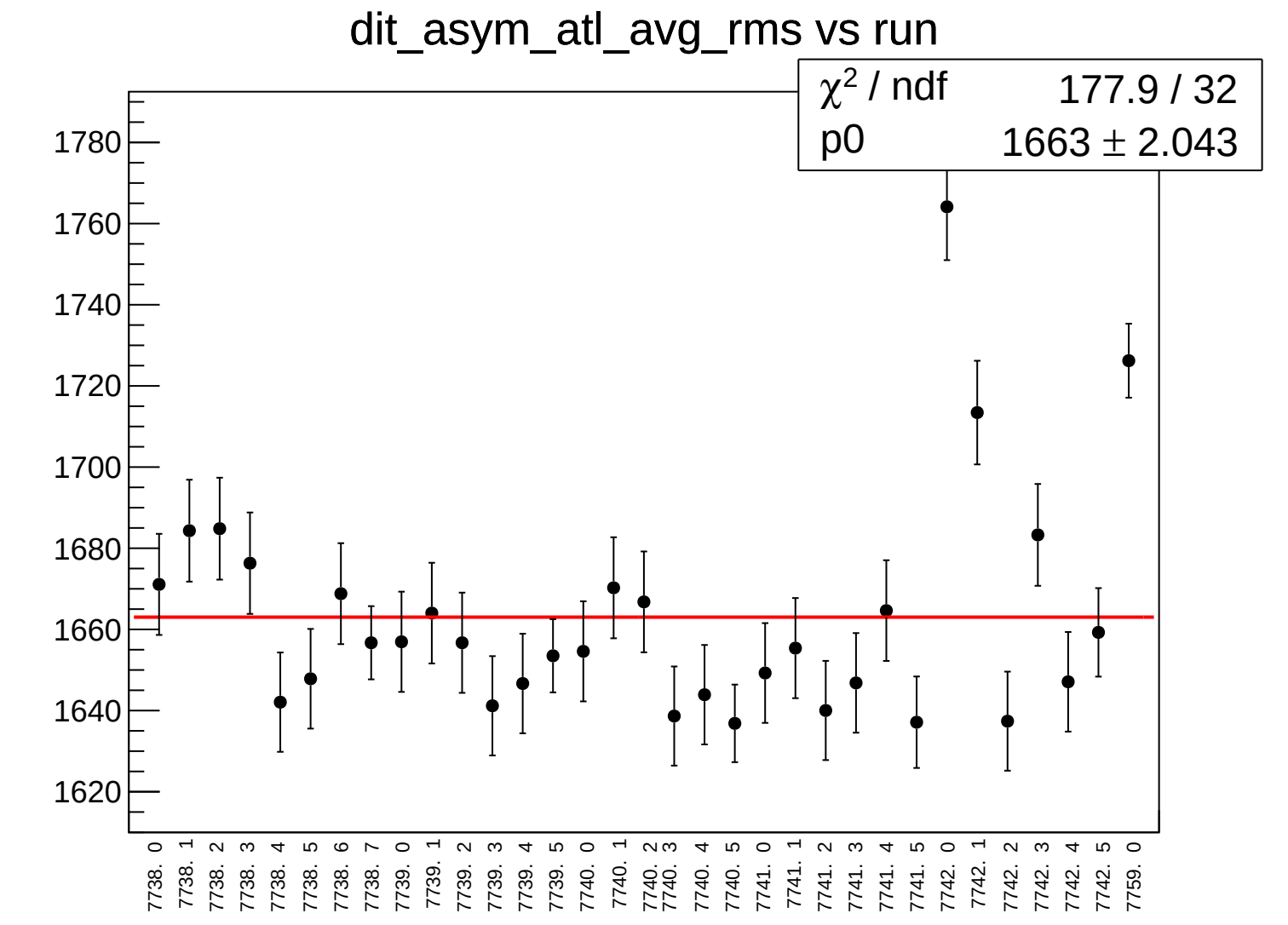

eigen_cor_asym_atl_avg_rms vs run
χ^2 / ndf 91.7 / 32
p0 1656 ± 2.034
1740
1720
1700
1680
1660
1640
1620
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

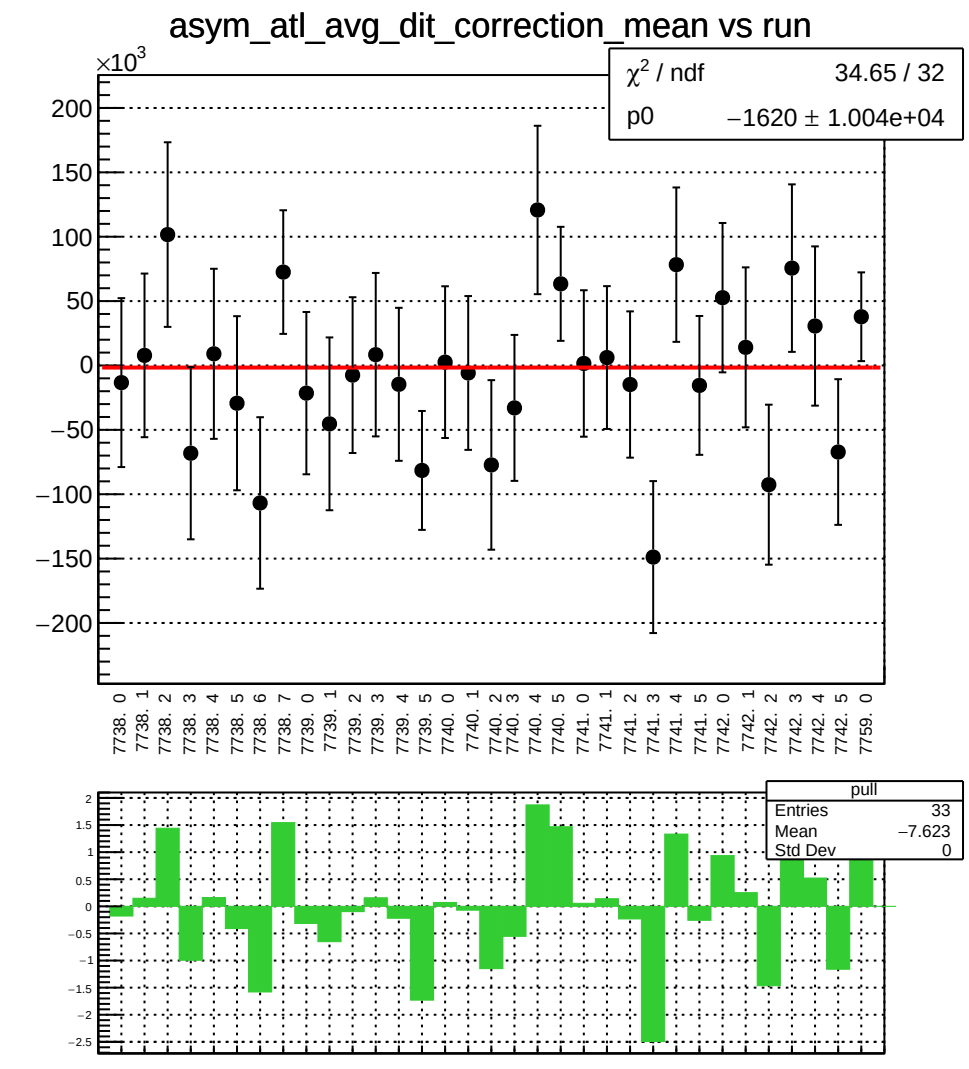

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.85 / 32
p0 −1839 ± 1.019e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

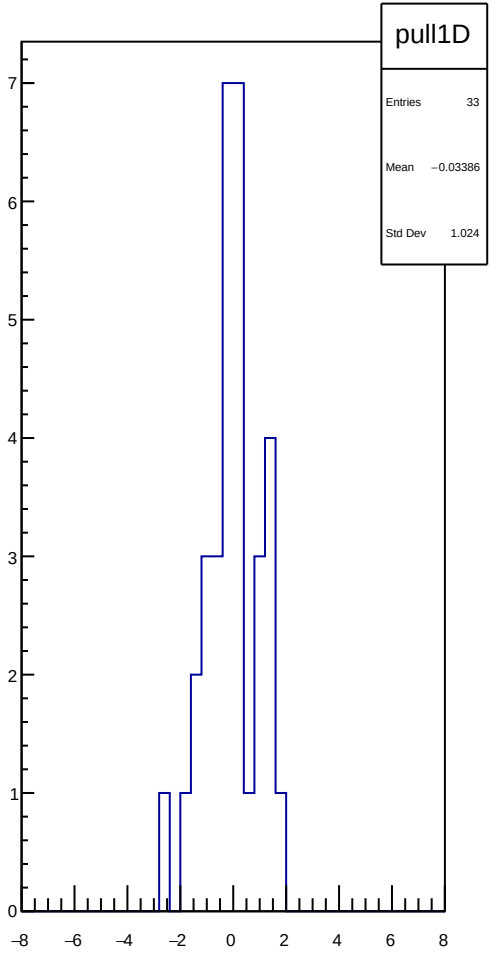

pull1D
Entries 33
Mean −0.02978
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

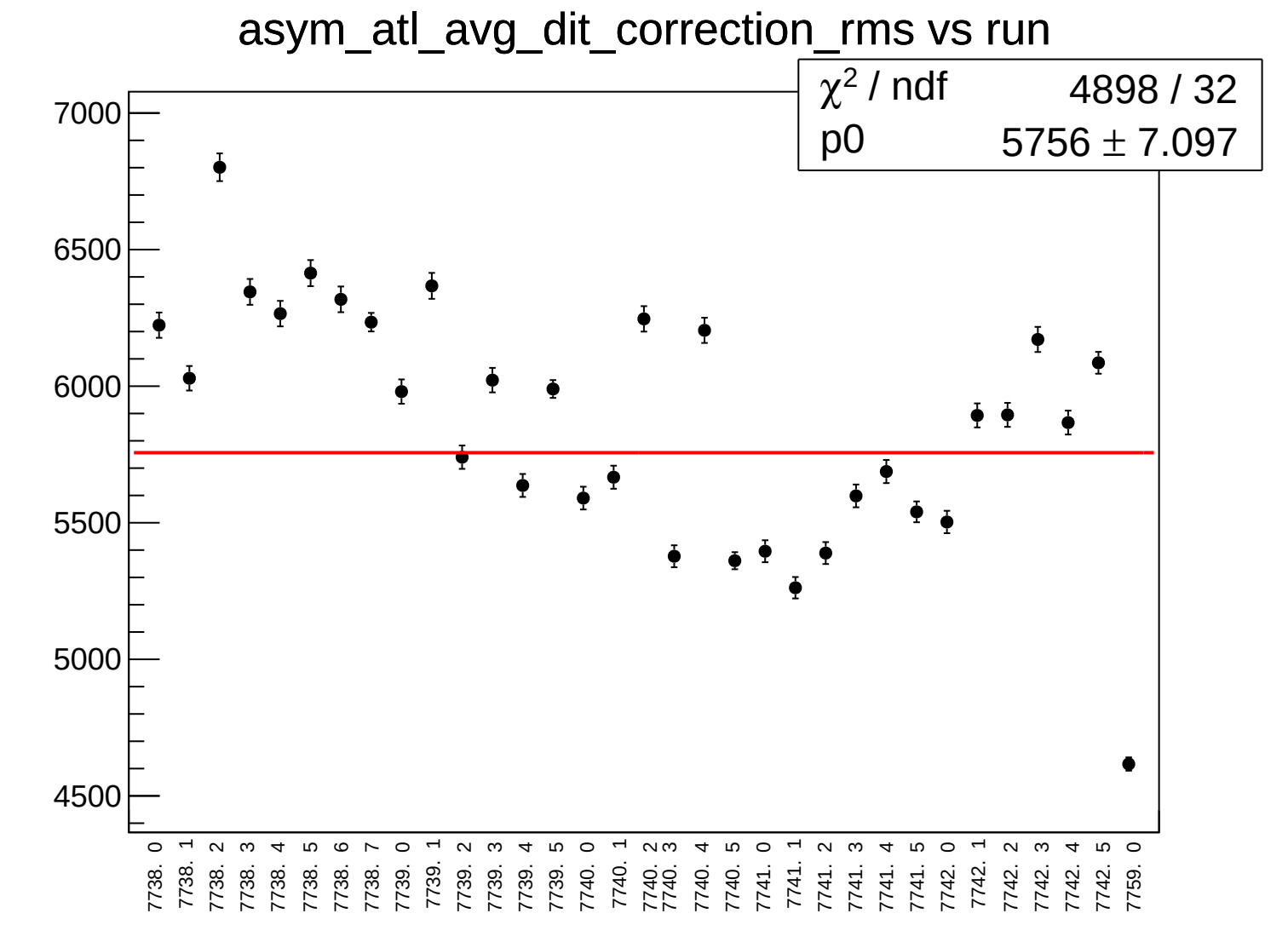

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 4098 / 32
p0 5846 ± 7.203
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

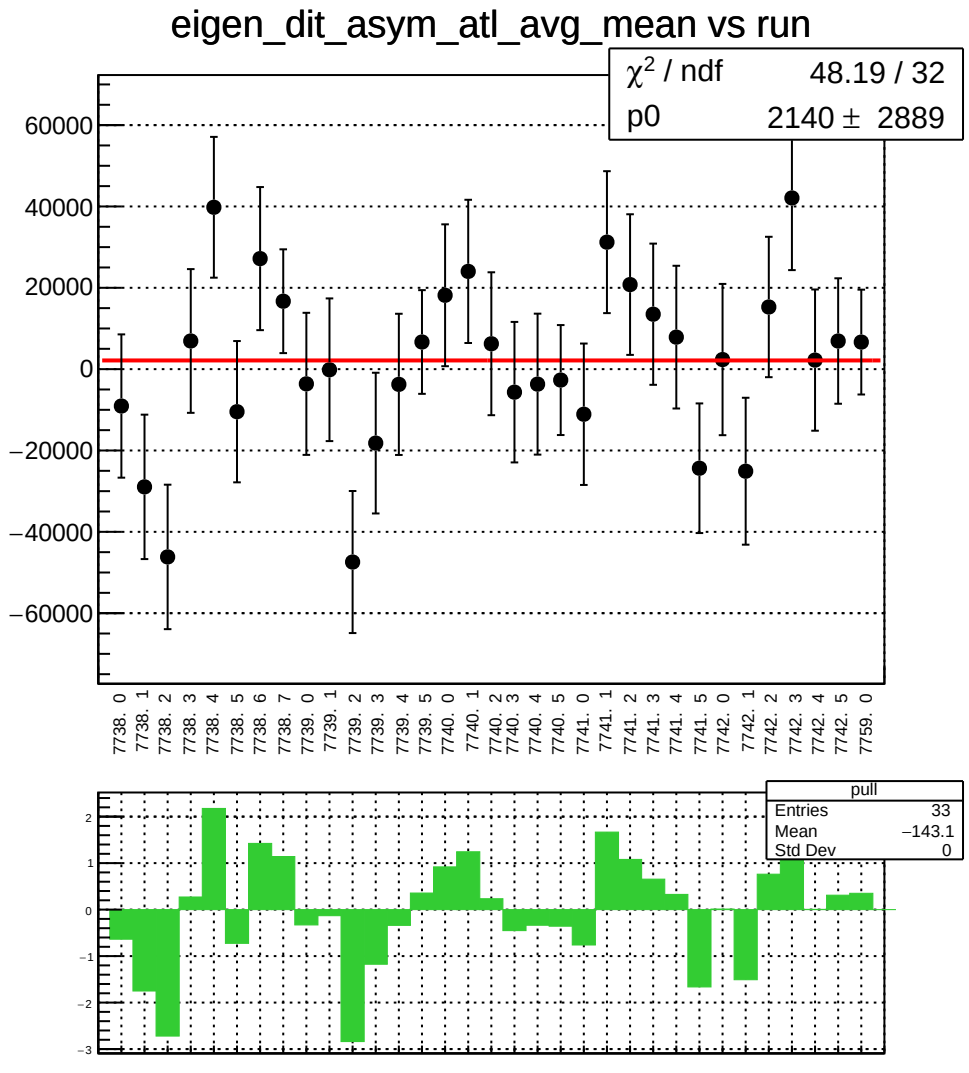

dit_asym_atl_avg_mean vs run
χ² / ndf 48.19 / 32
p0 2140 ± 2889
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −143.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.01635
Std Dev 1.208
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

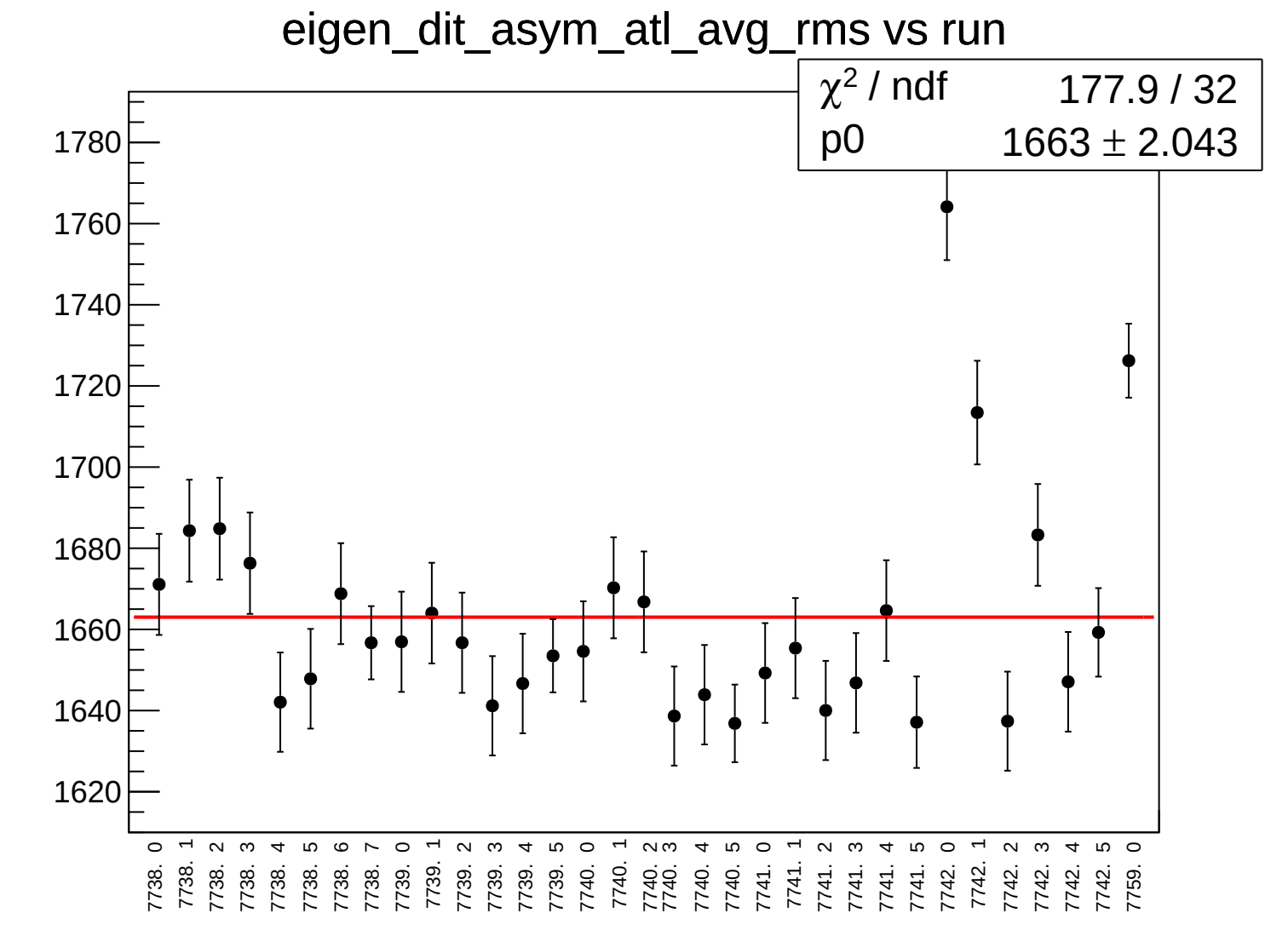

dit_asym_atl_avg_rms vs run
χ² / ndf 177.9 / 32
p0 1663 ± 2.043
1780
1760
1740
1720
1700
1680
1660
1640
1620
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

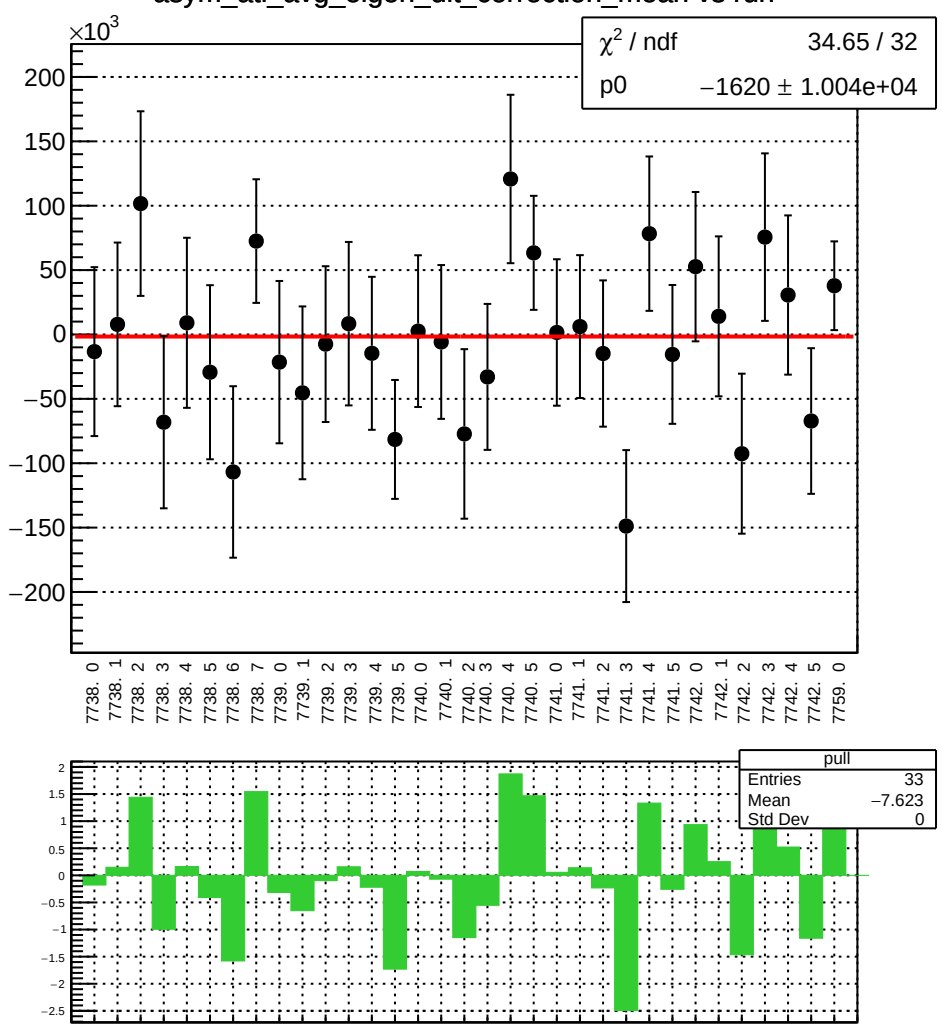

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.65 / 32
p0 −1620 ± 1.004e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.623
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

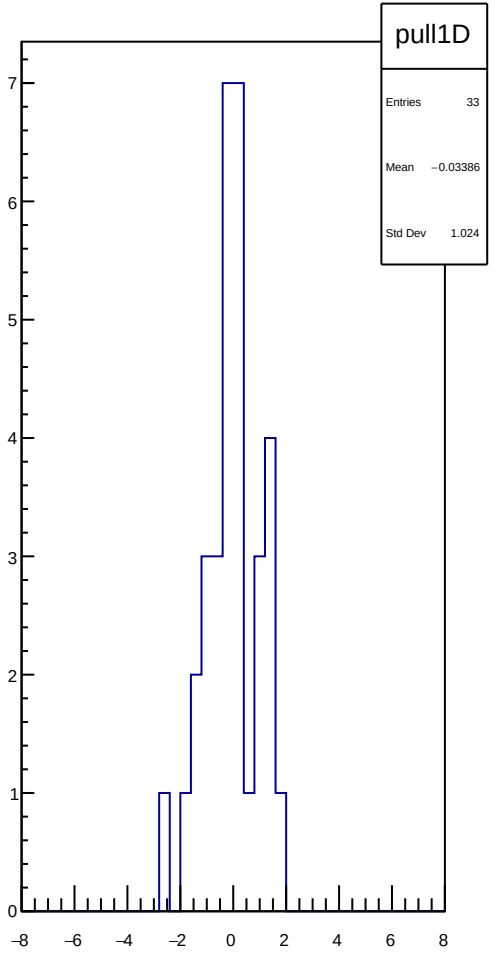

pull1D
Entries 33
Mean −0.03386
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

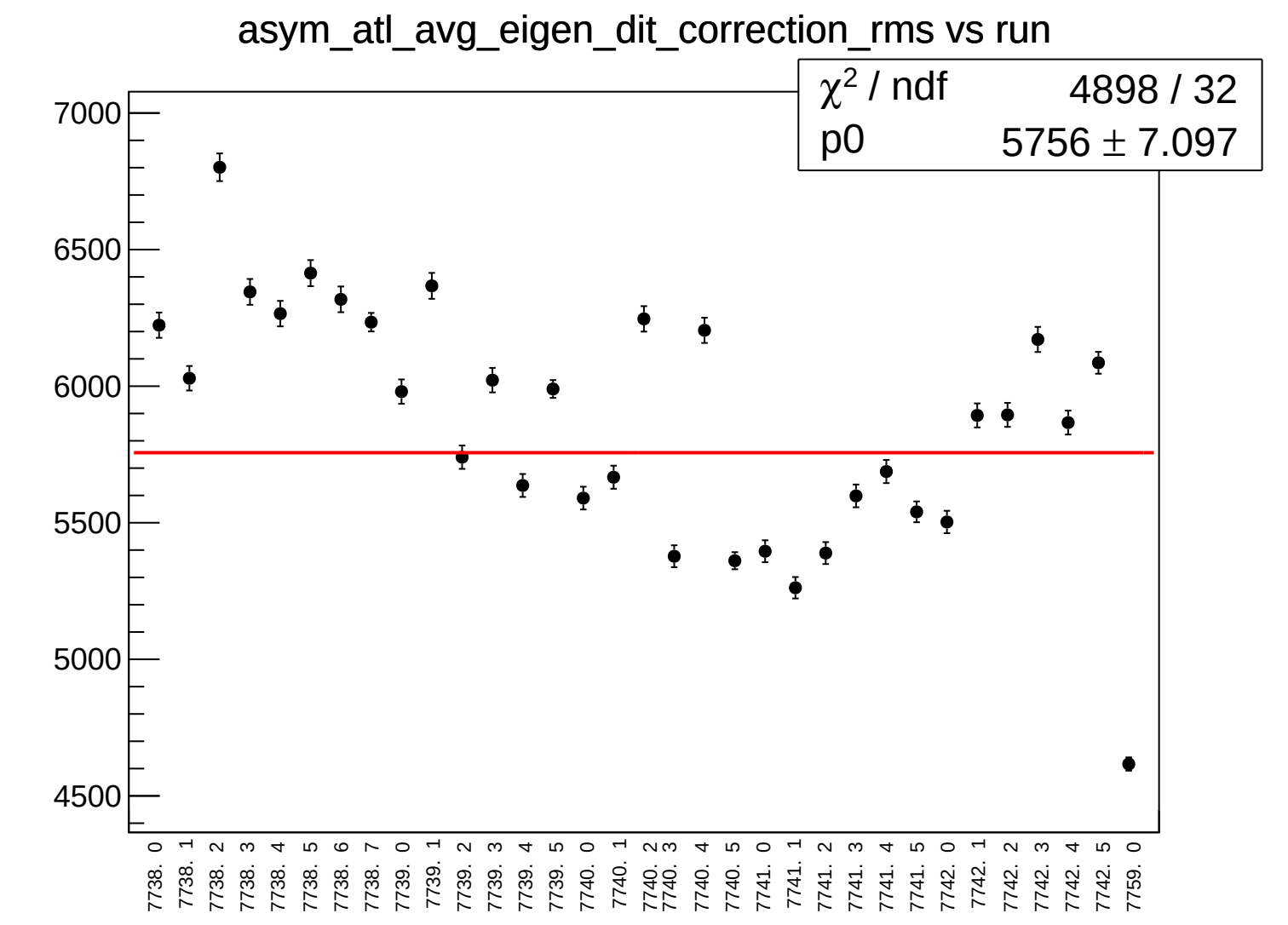

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 4898 / 32
p0 5756 ± 7.097
7000
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

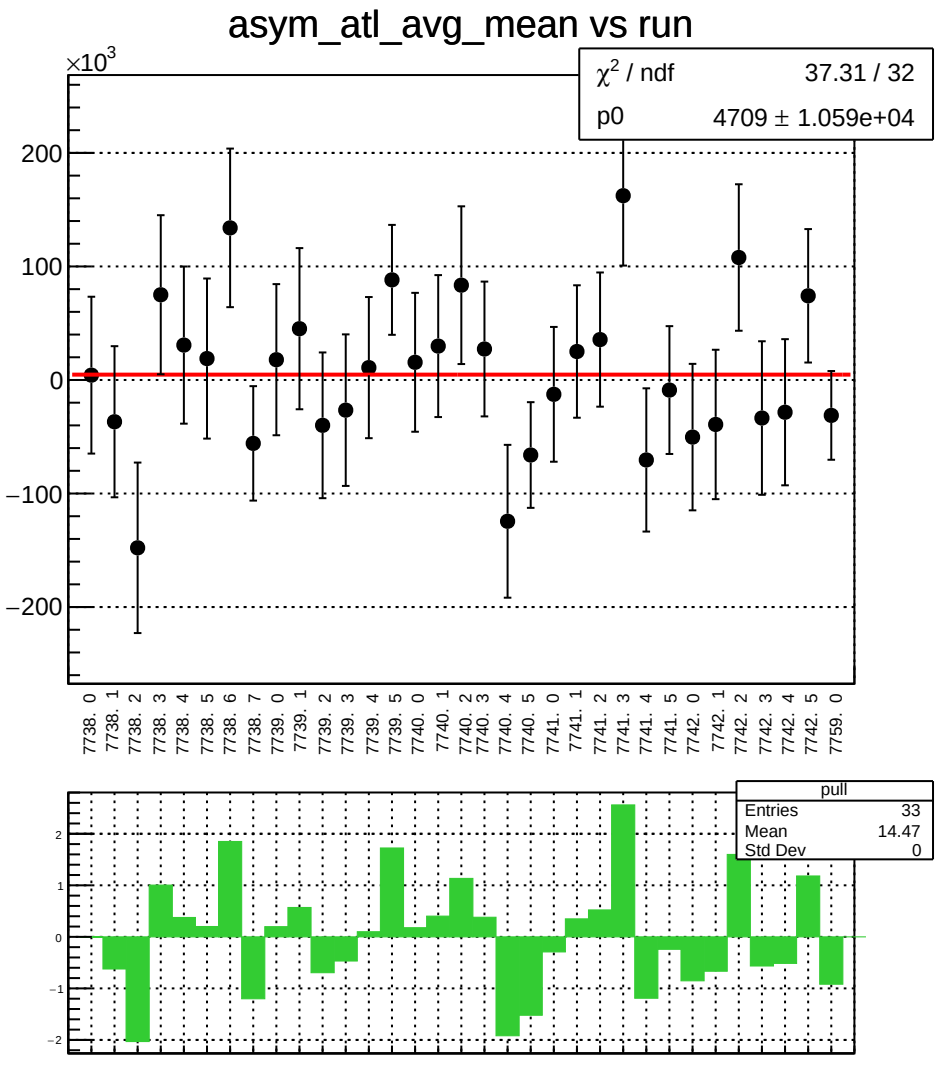

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 48.19 / 32
p0 2140 ± 2889
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −143.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.01635
Std Dev 1.208
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

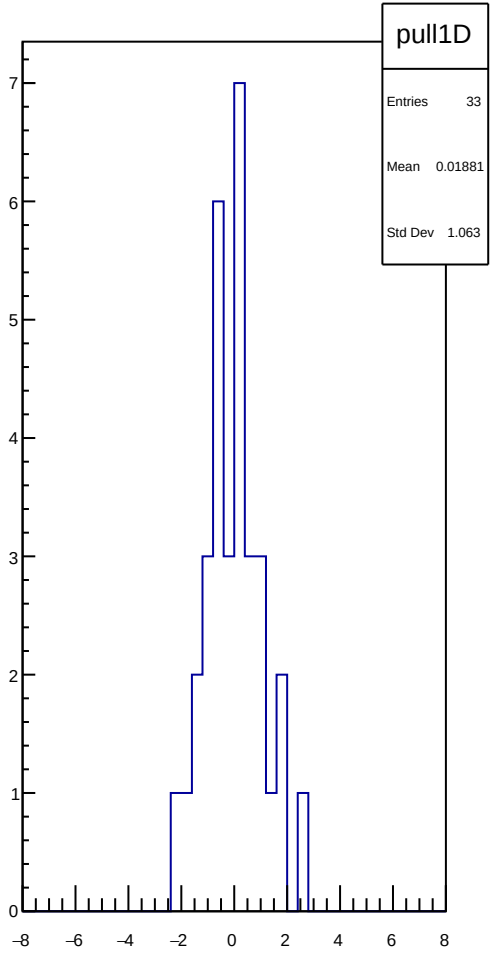

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 177.9 / 32
p0 1663 ± 2.043
1780
1760
1740
1720
1700
1680
1660
1640
1620
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

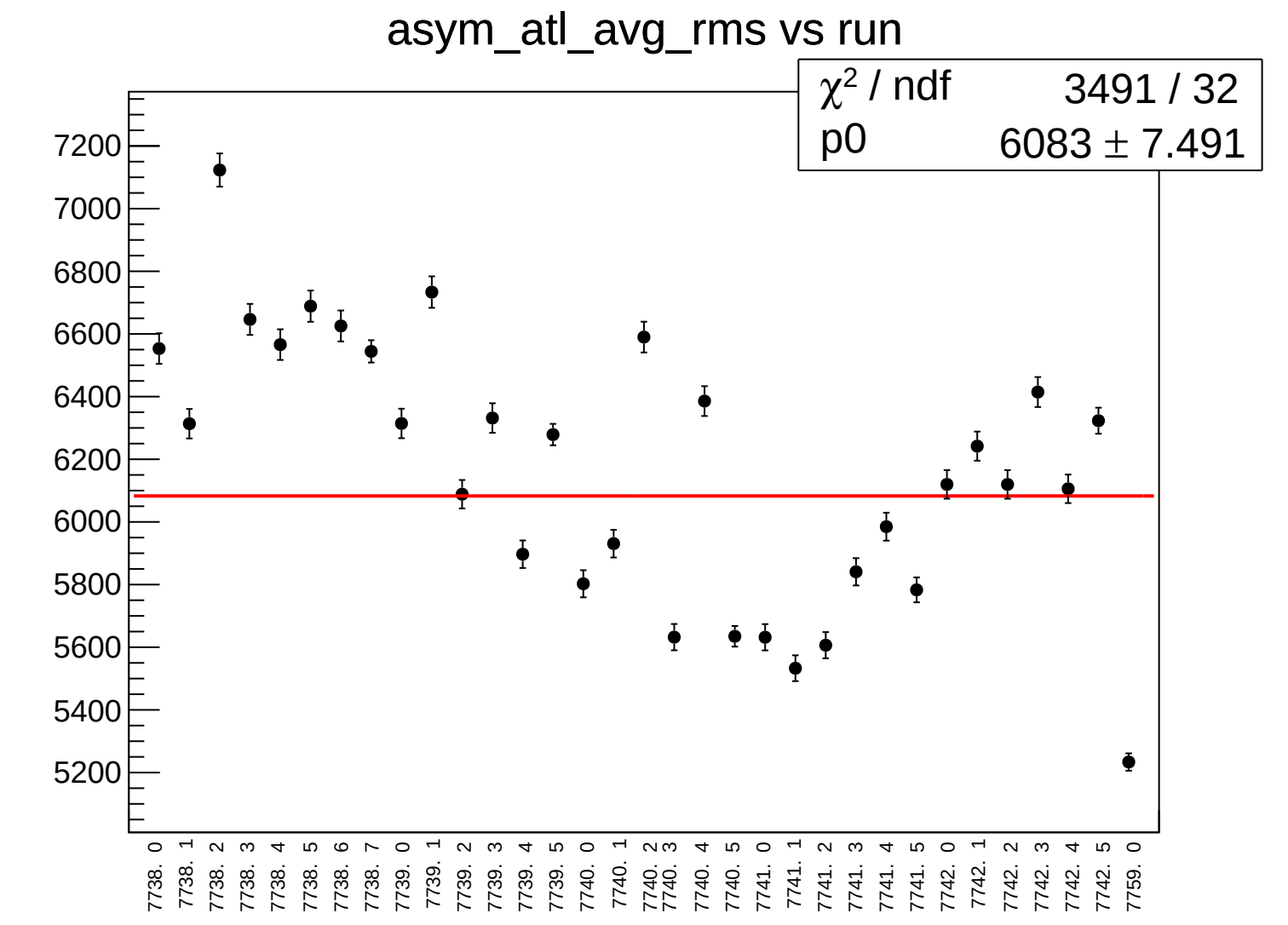

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.65 / 32
p0 −1620 ± 1.004e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.623
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

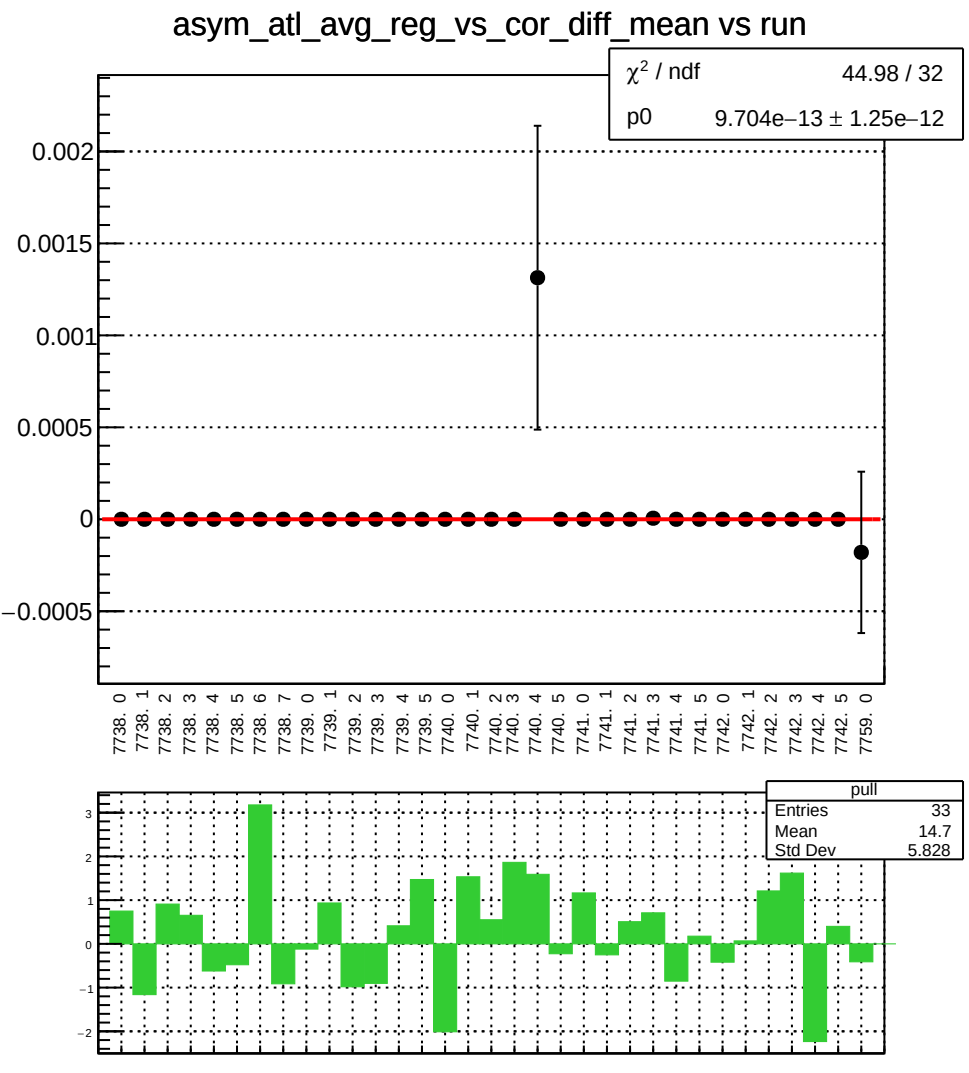

pull1D
Entries 33
Mean −0.03386
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

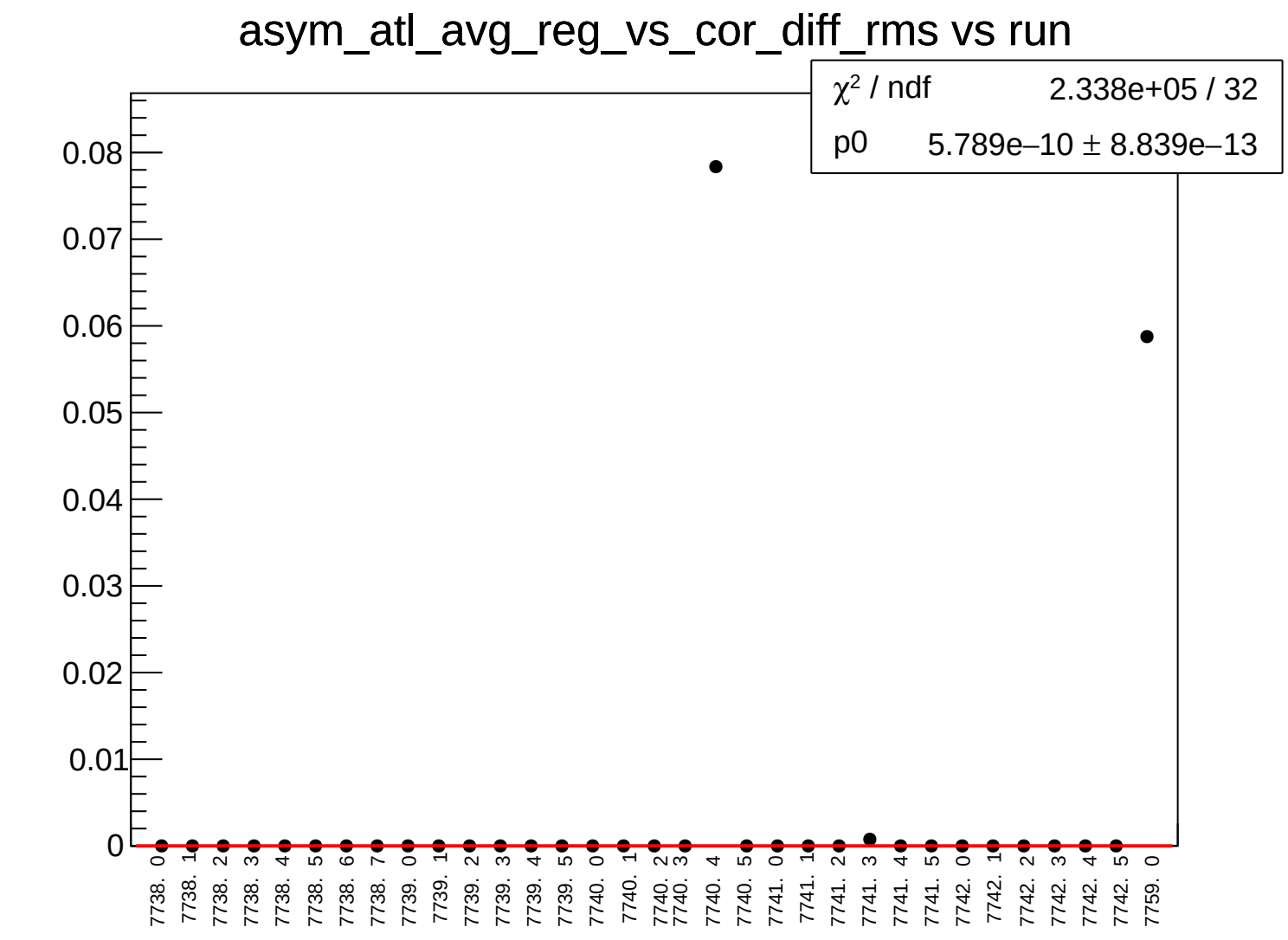

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 4898 / 32
p0 5756 ± 7.097
7000
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

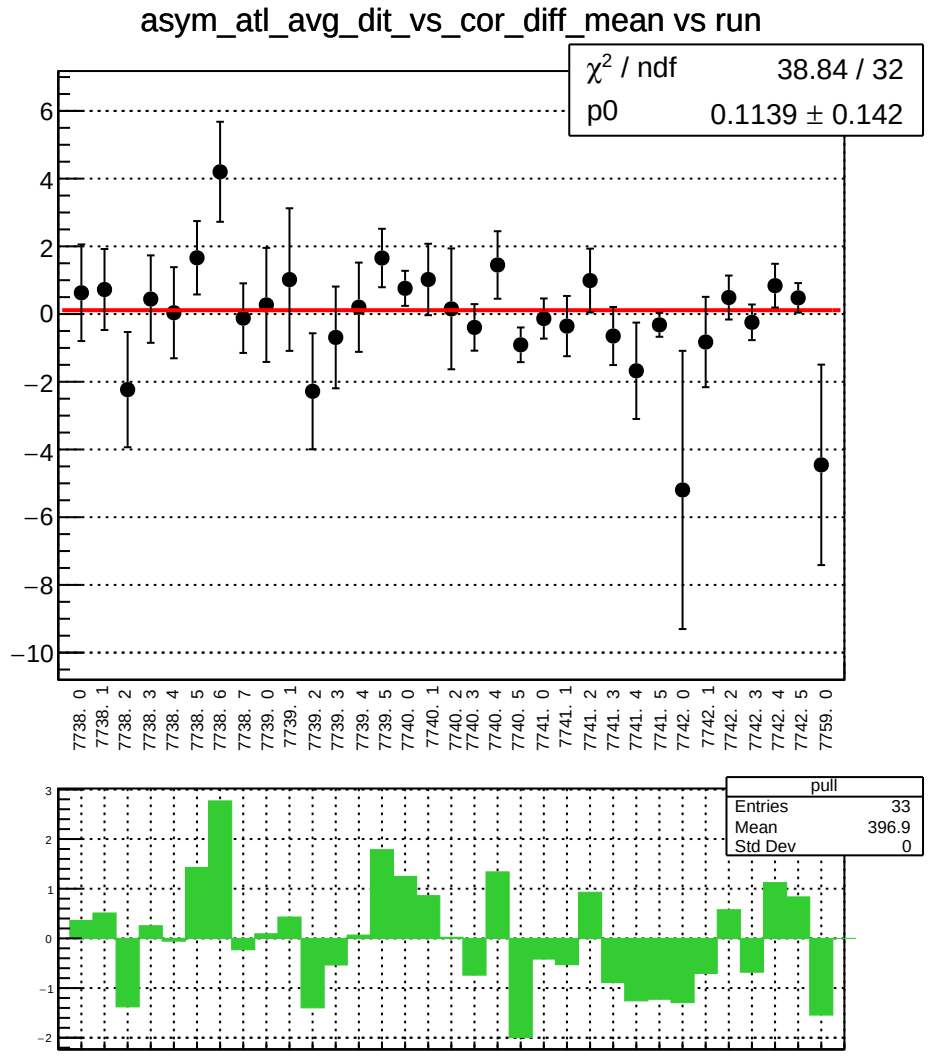

asym_atl_avg_mean vs run
×10^3
χ² / ndf 37.31 / 32
p0 4709 ± 1.059e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.47
Std Dev 0
2
1
0
−1
−2

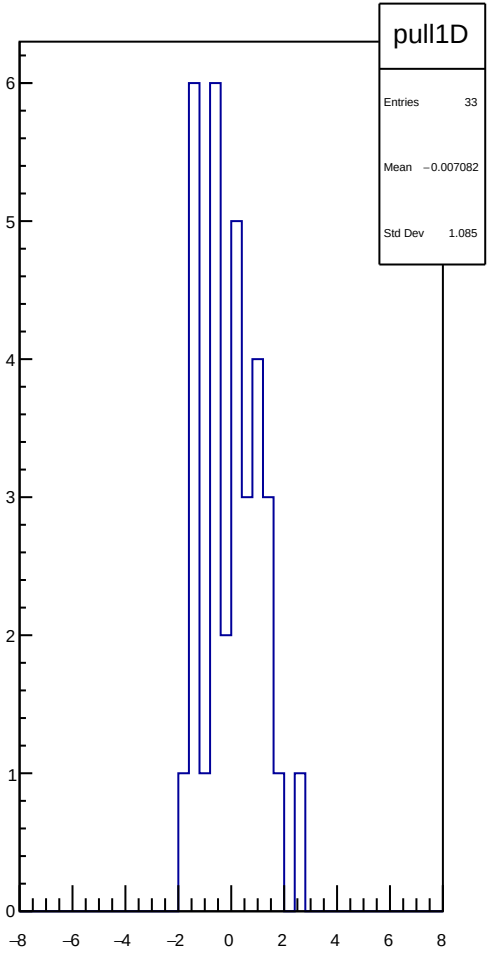

pull1D
Entries 33
Mean 0.01881
Std Dev 1.063
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

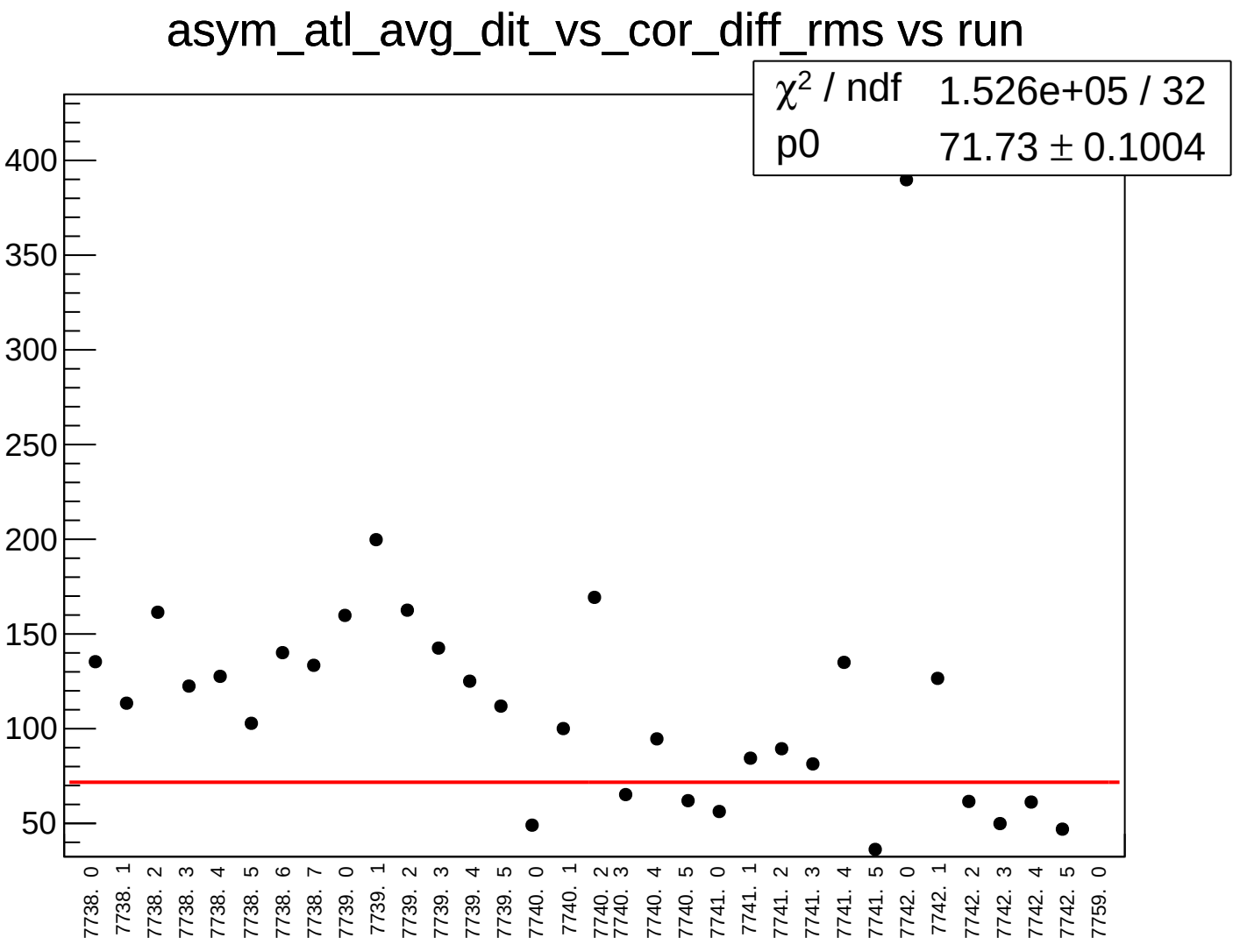

asym_atl_avg_rms vs run
χ² / ndf 3491 / 32
p0 6083 ± 7.491
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

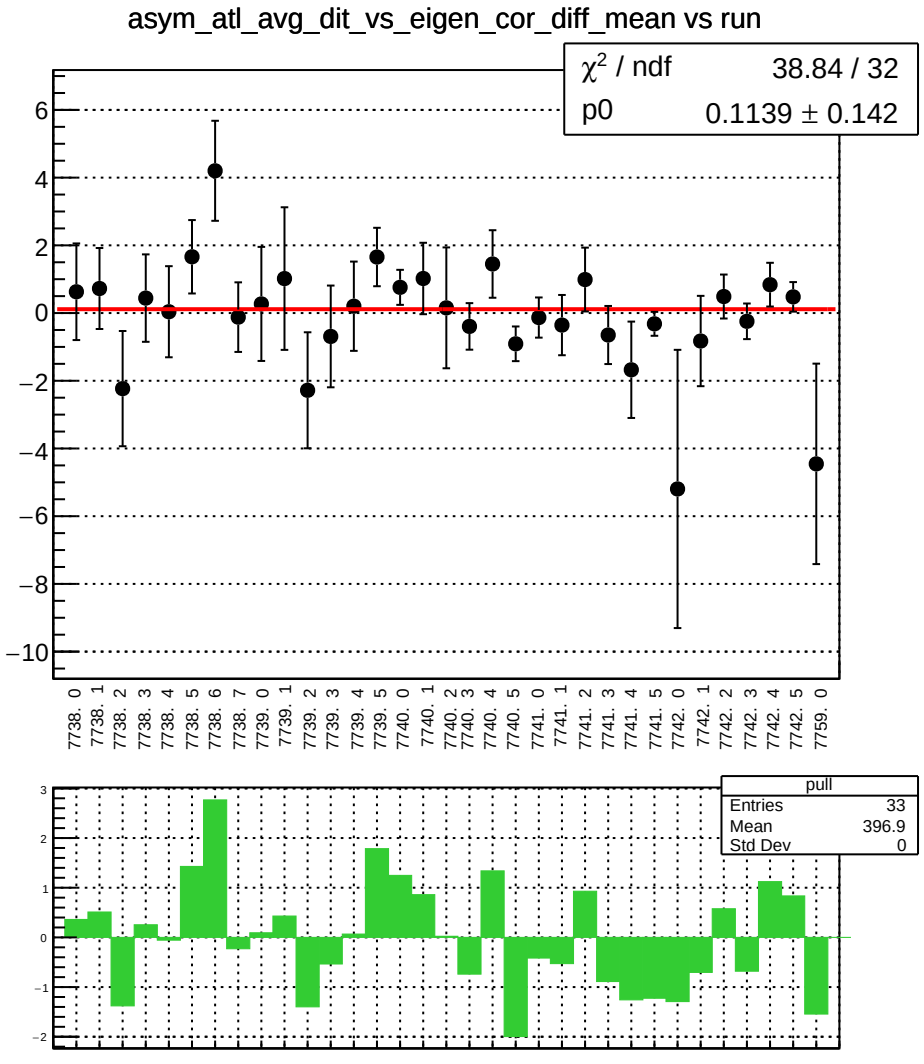

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 44.98 / 32
p0 9.704e−13 ± 1.25e−12
0.002
0.0015
0.001
0.0005
0
−0.0005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.7
Std Dev 5.828
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.2461
Std Dev 1.141
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

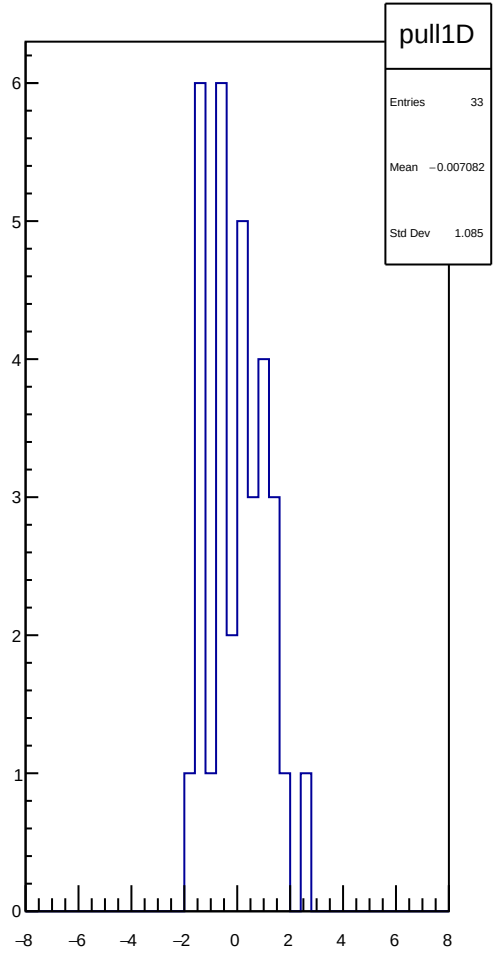

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.338e+05 / 32
p0 5.789e−10 ± 8.839e−13
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

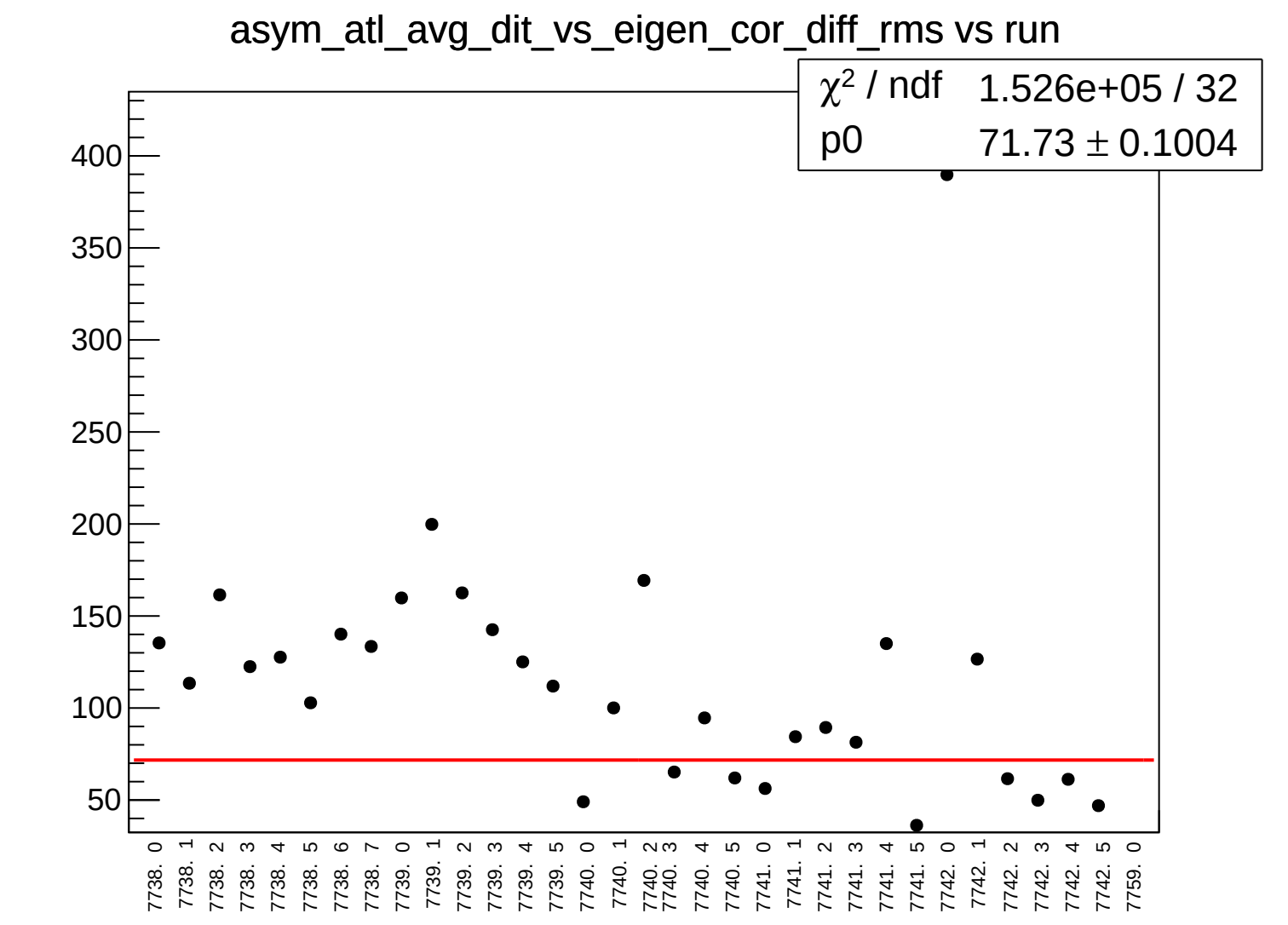

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.84 / 32
p0 0.1139 ± 0.142
pull
Entries 33
Mean 396.9
Std Dev 0

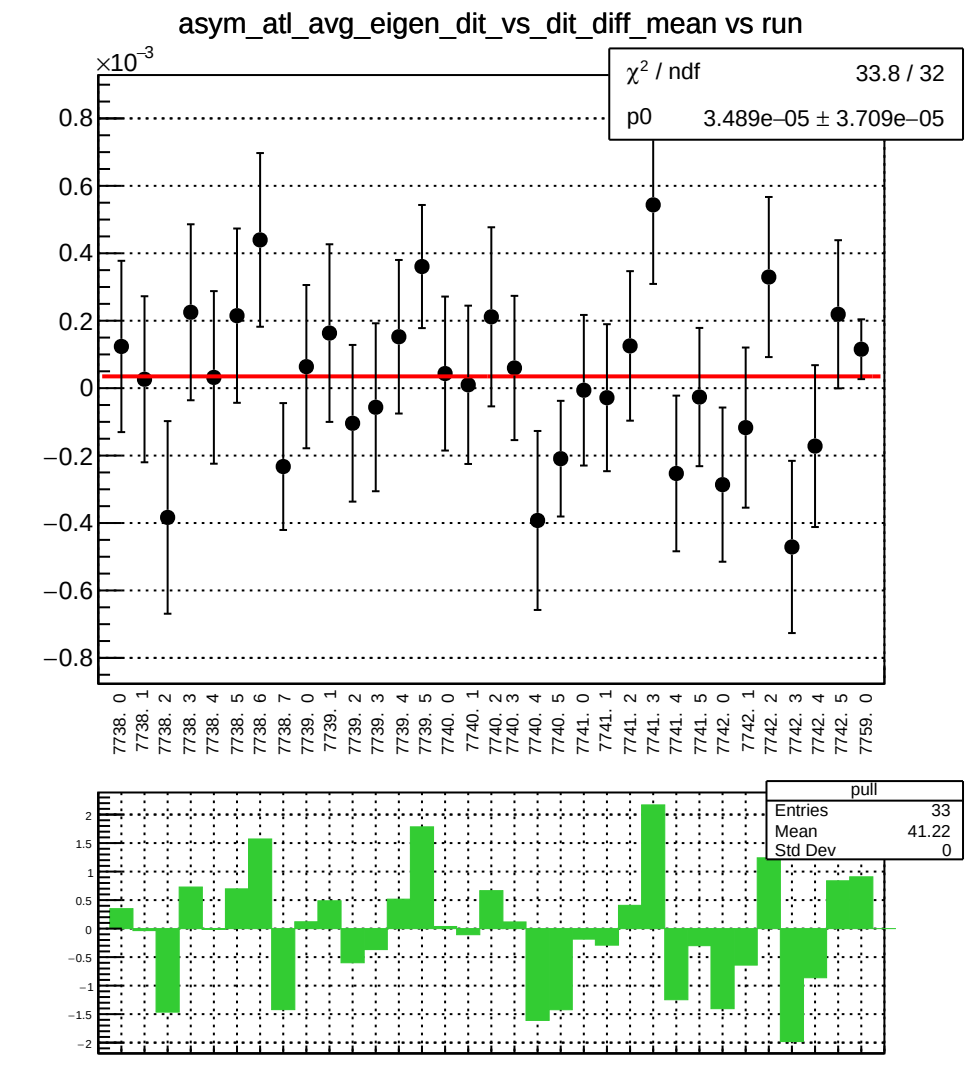

pull1D
Entries 33
Mean −0.007082
Std Dev 1.085

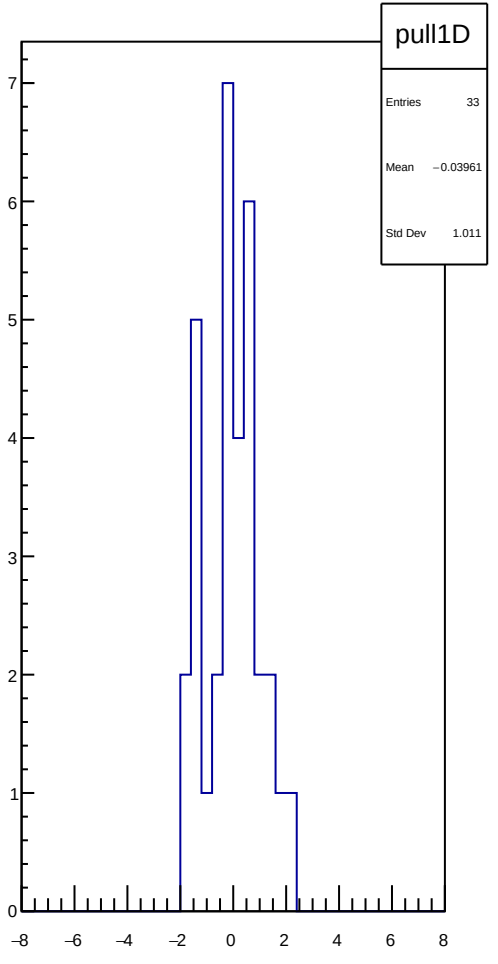

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 32
p0 71.73 ± 0.1004
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

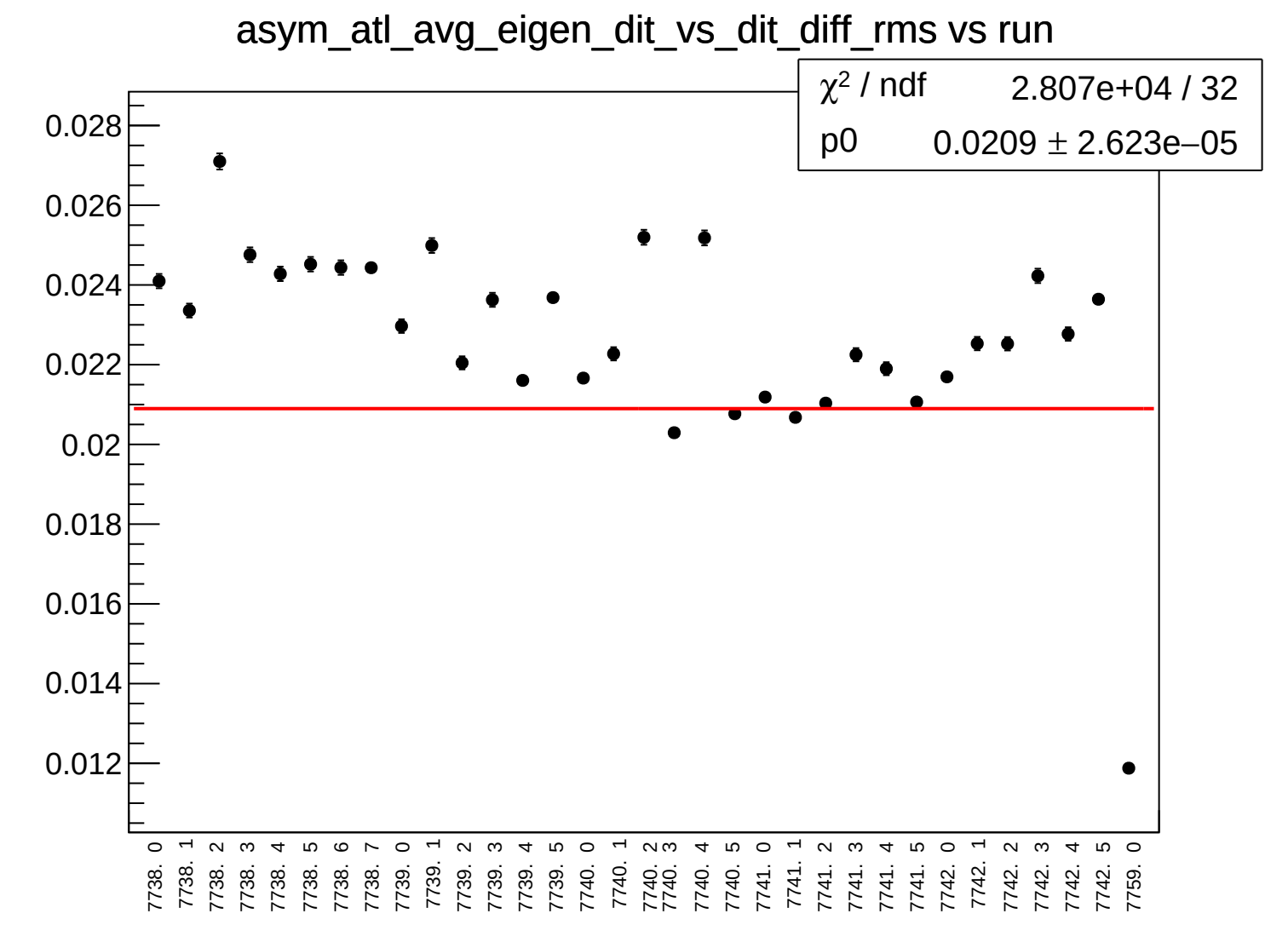

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.84 / 32
p0 0.1139 ± 0.142
pull
Entries 33
Mean 396.9
Std Dev 0

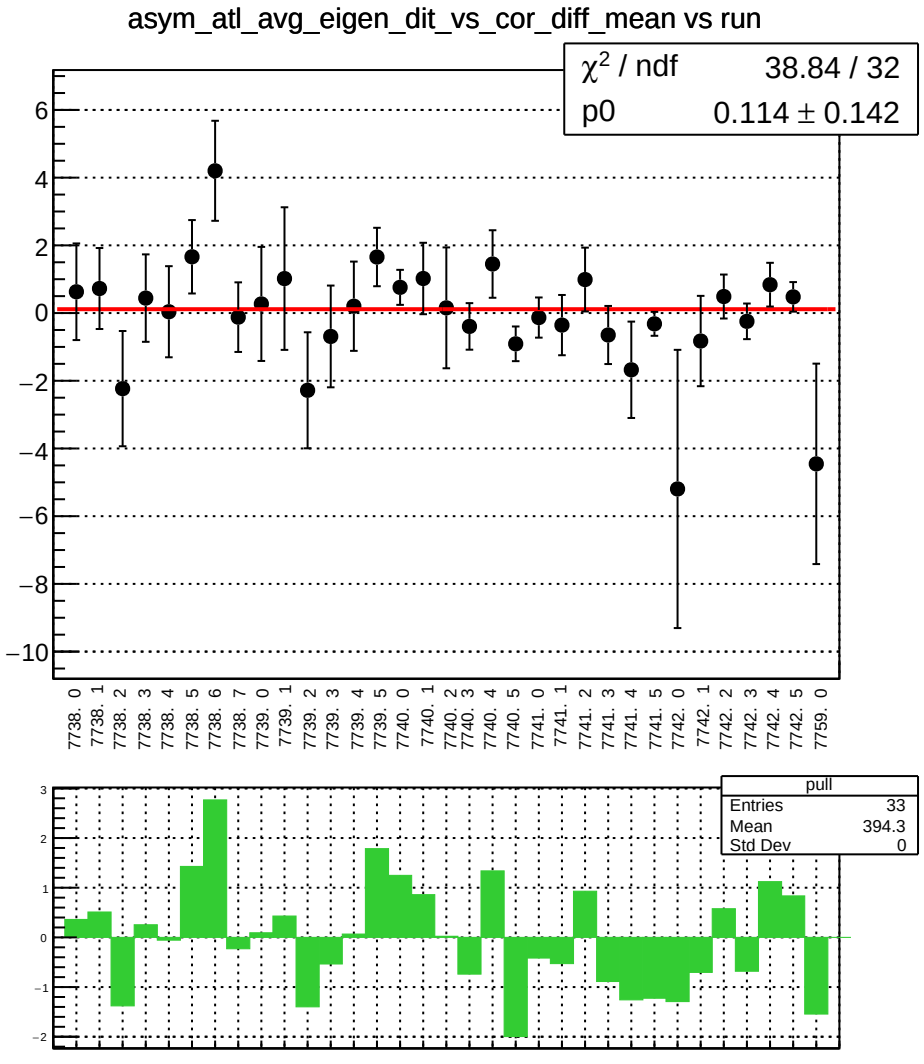

pull1D
Entries 33
Mean −0.007082
Std Dev 1.085

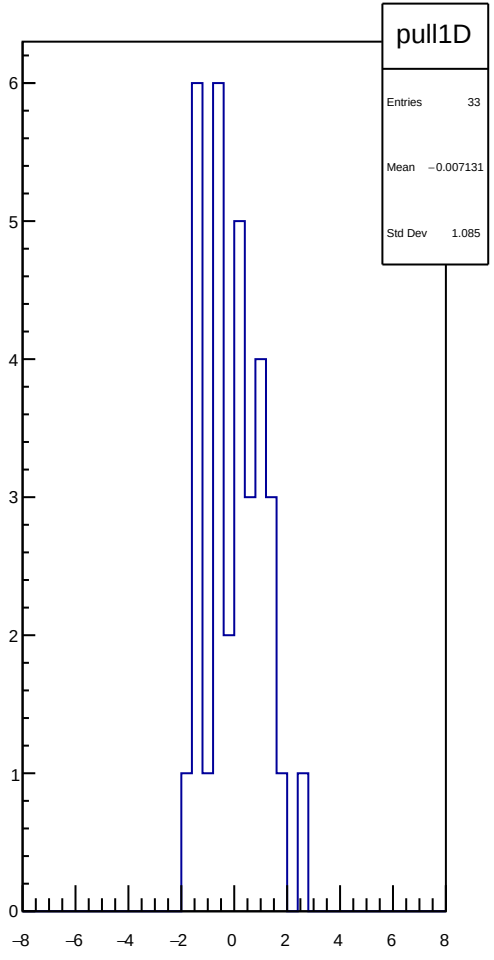

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 32
p0 71.73 ± 0.1004
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

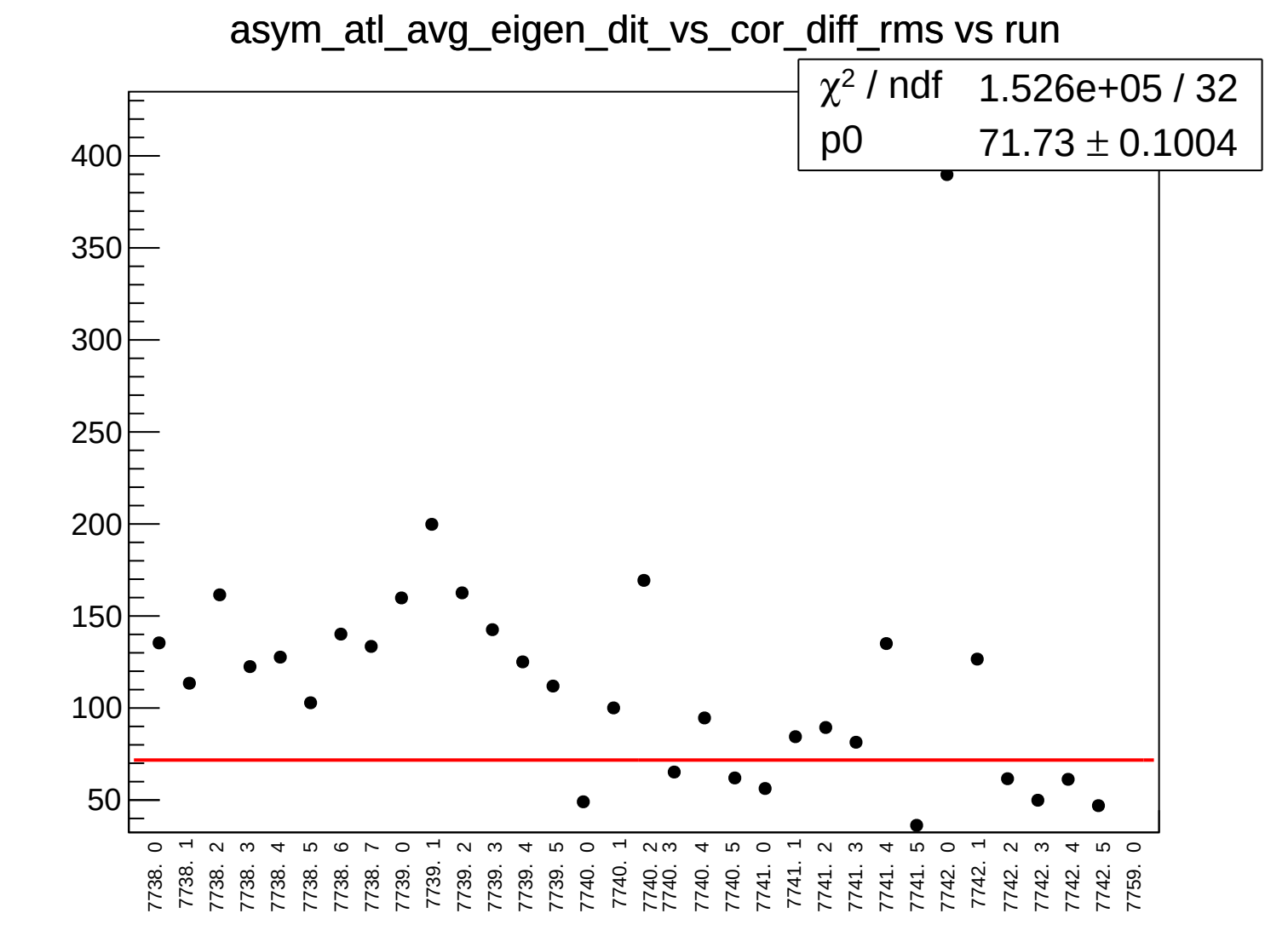

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.8 / 32
p0 3.489e−05 ± 3.709e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 41.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

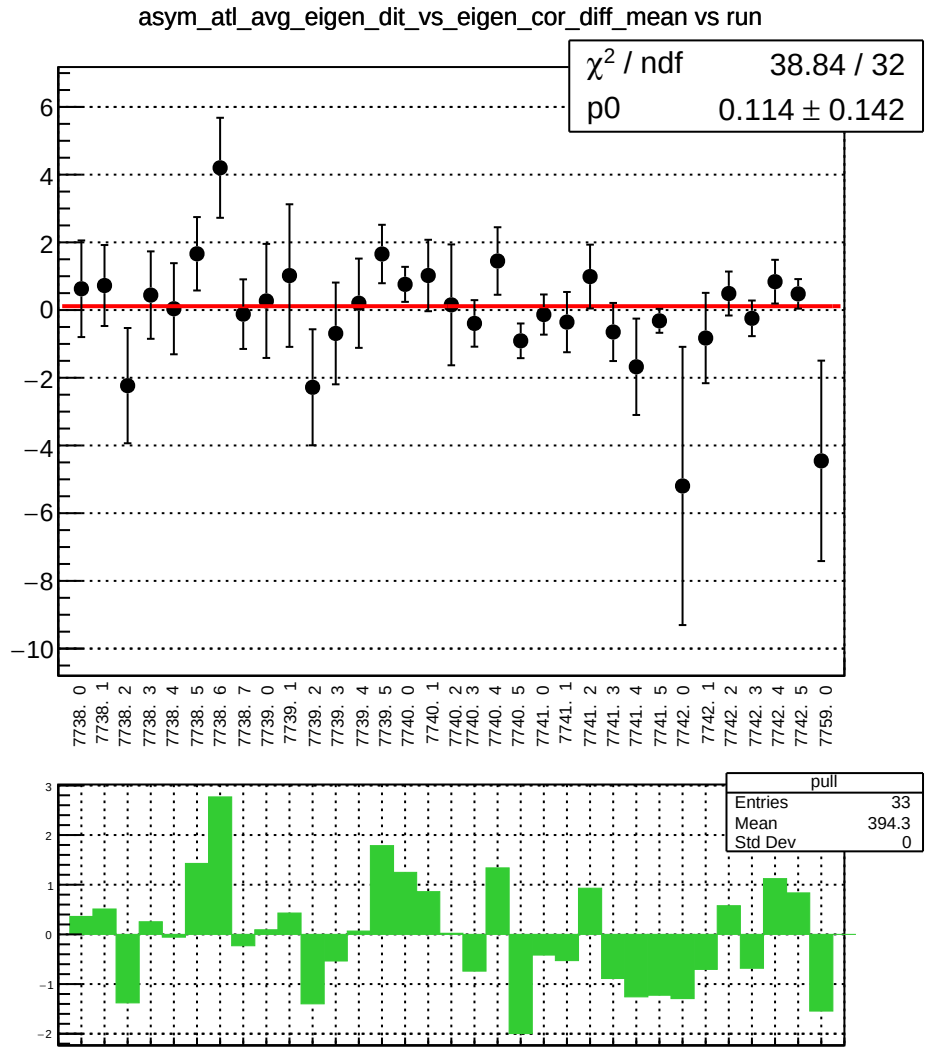

pull1D
Entries 33
Mean −0.03961
Std Dev 1.011
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

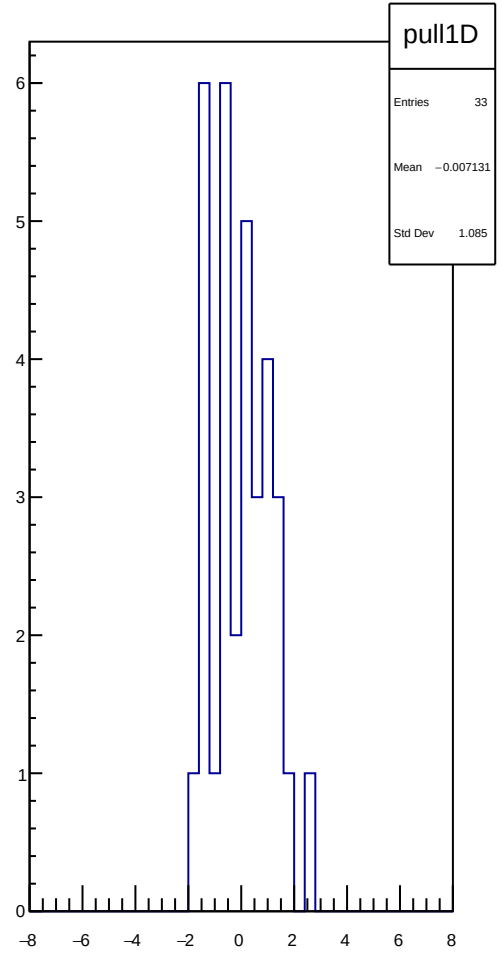

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.807e+04 / 32
p0 0.0209 ± 2.623e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

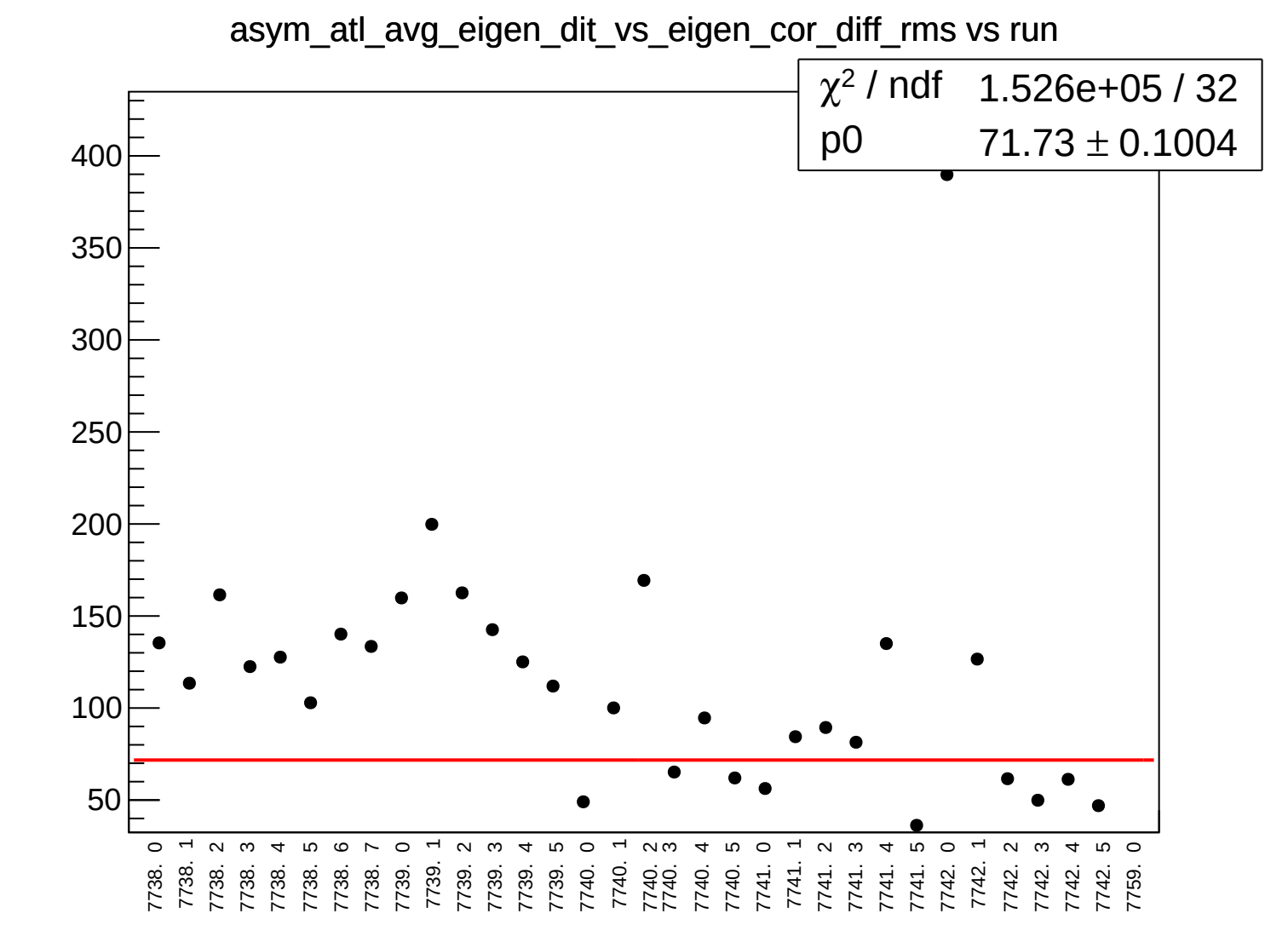

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.84 / 32
p0 0.114 ± 0.142
pull
Entries 33
Mean 394.3
Std Dev 0

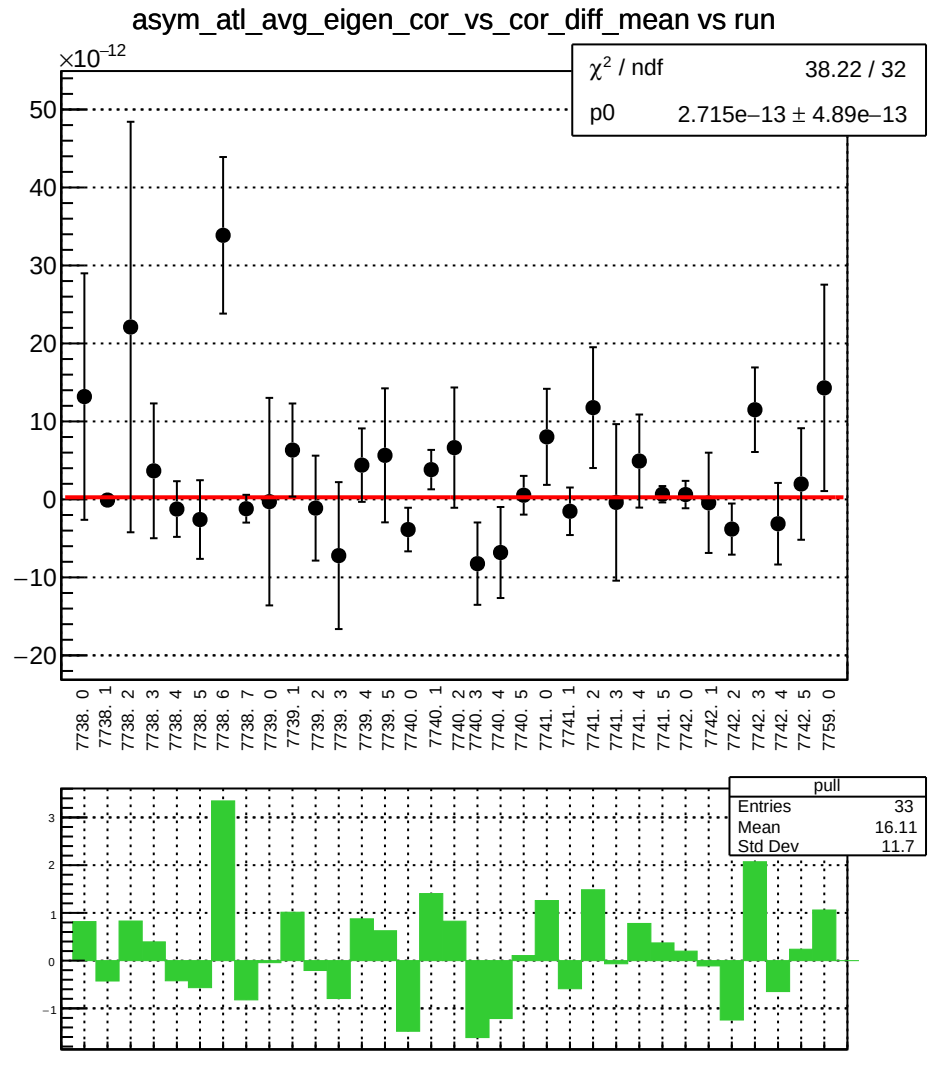

pull1D
Entries 33
Mean −0.007131
Std Dev 1.085

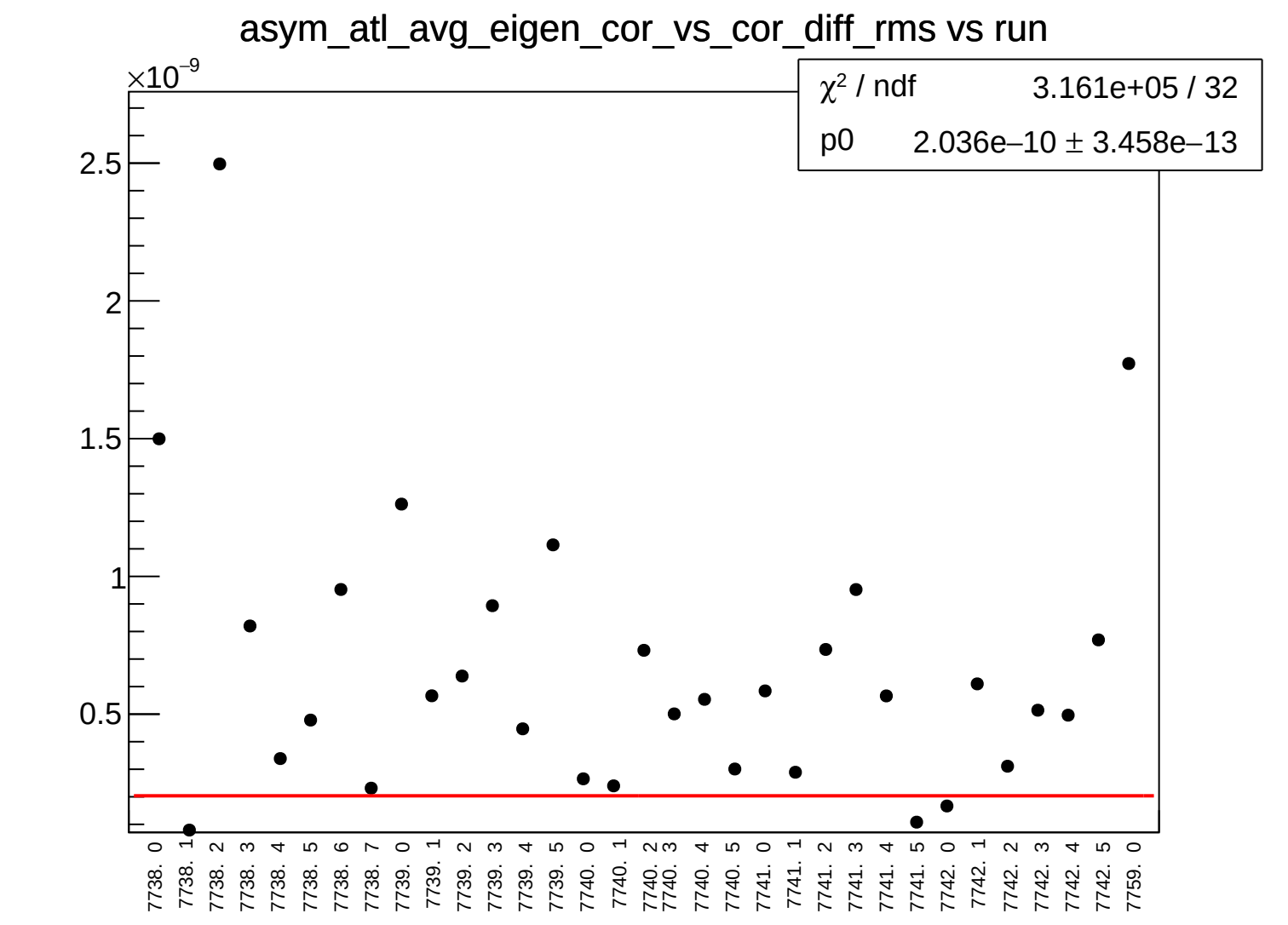

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 32
p0 71.73 ± 0.1004
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

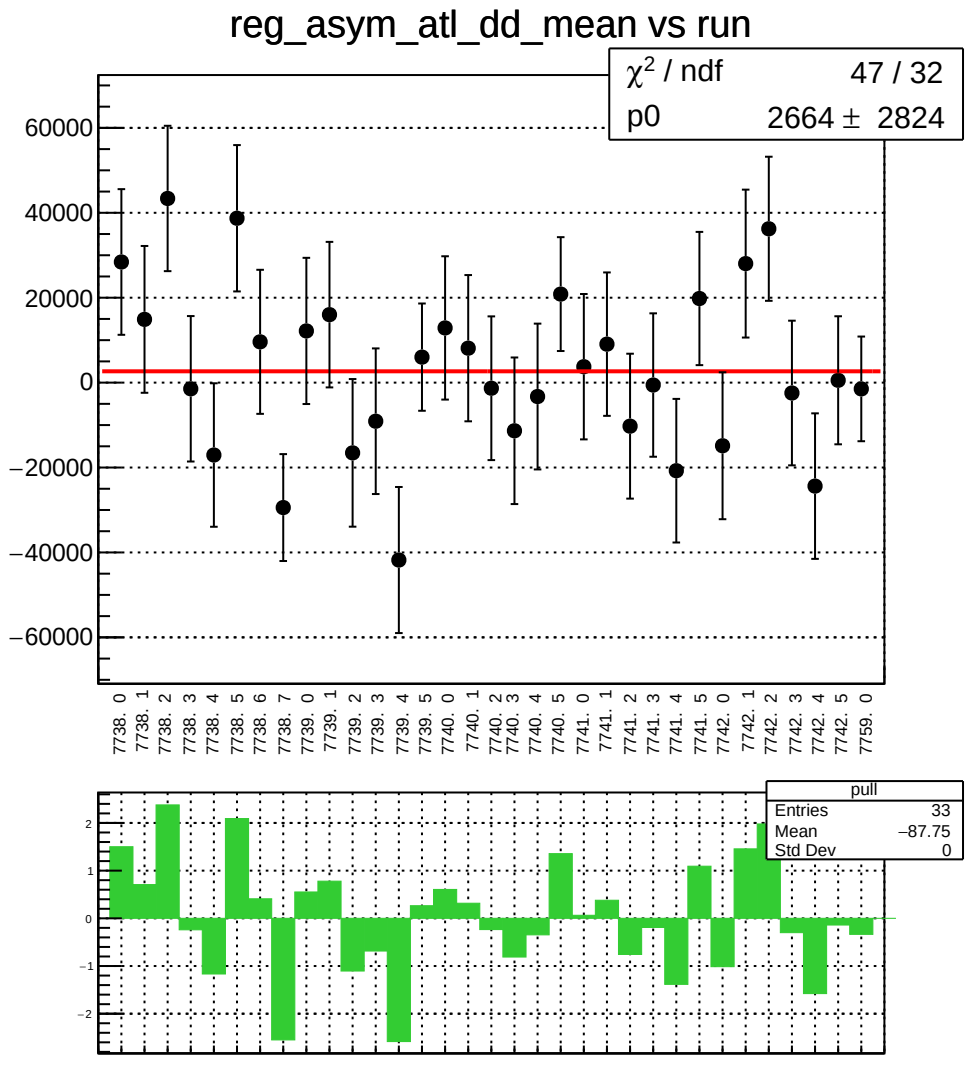

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.84 / 32
p0 0.114 ± 0.142
pull
Entries 33
Mean 394.3
Std Dev 0

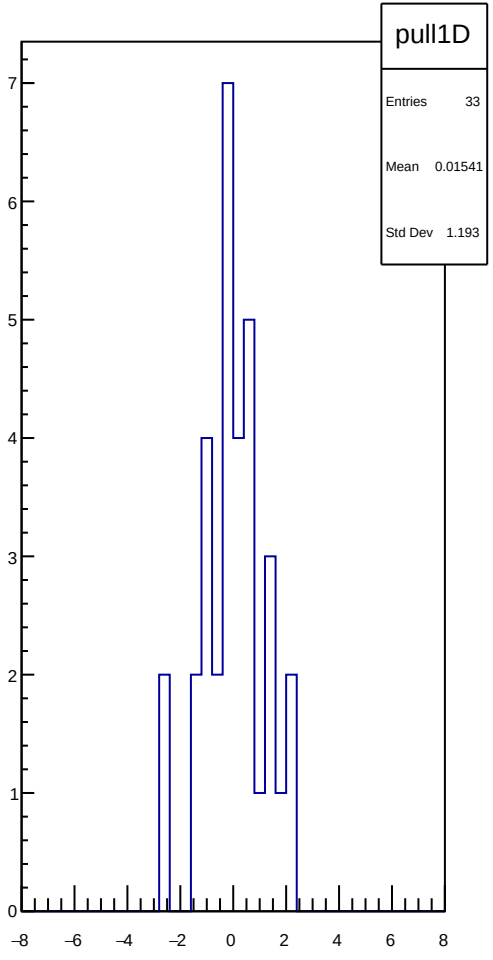

pull1D
Entries 33
Mean −0.007131
Std Dev 1.085

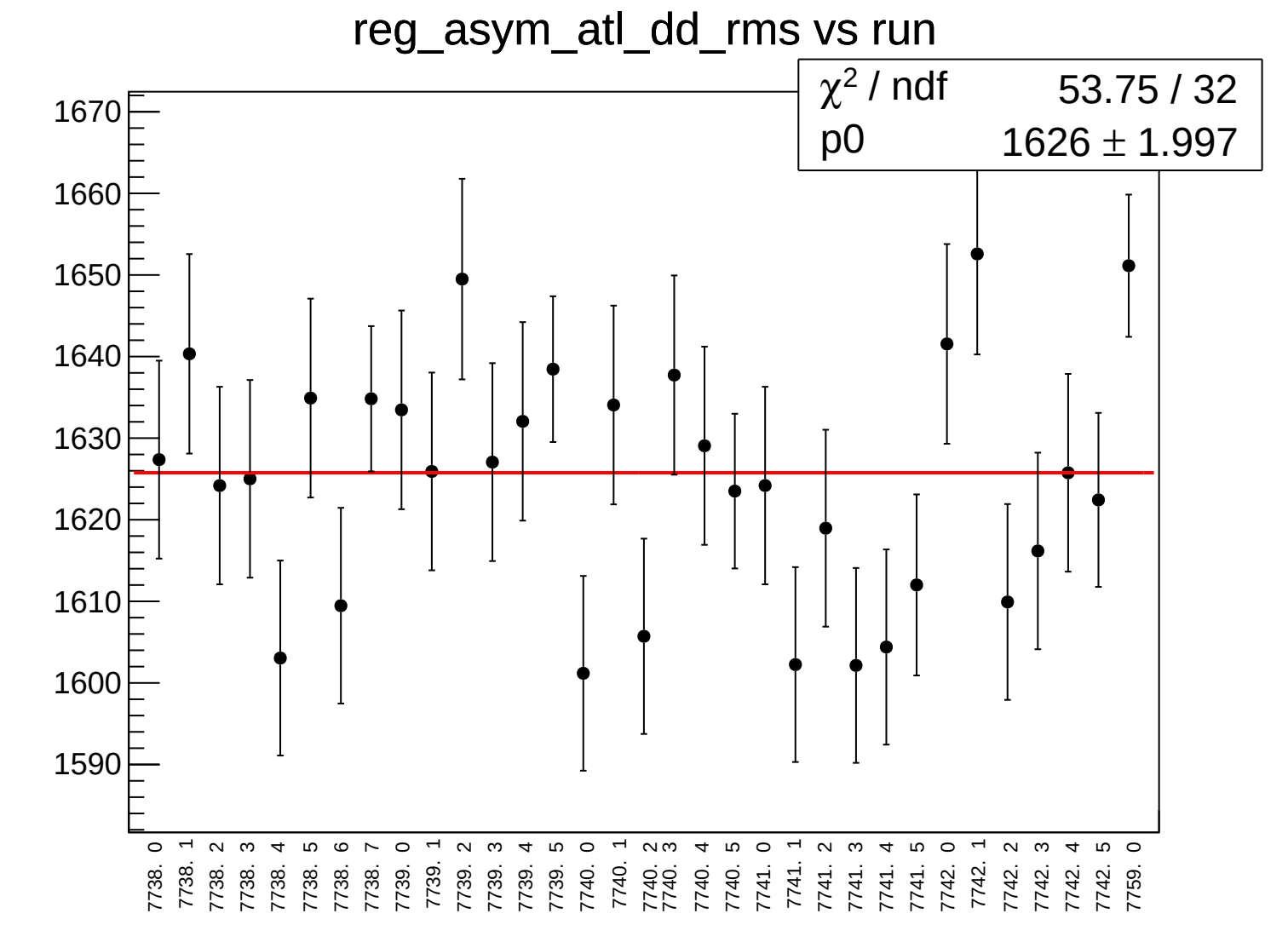

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.526e+05 / 32
p0 71.73 ± 0.1004
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

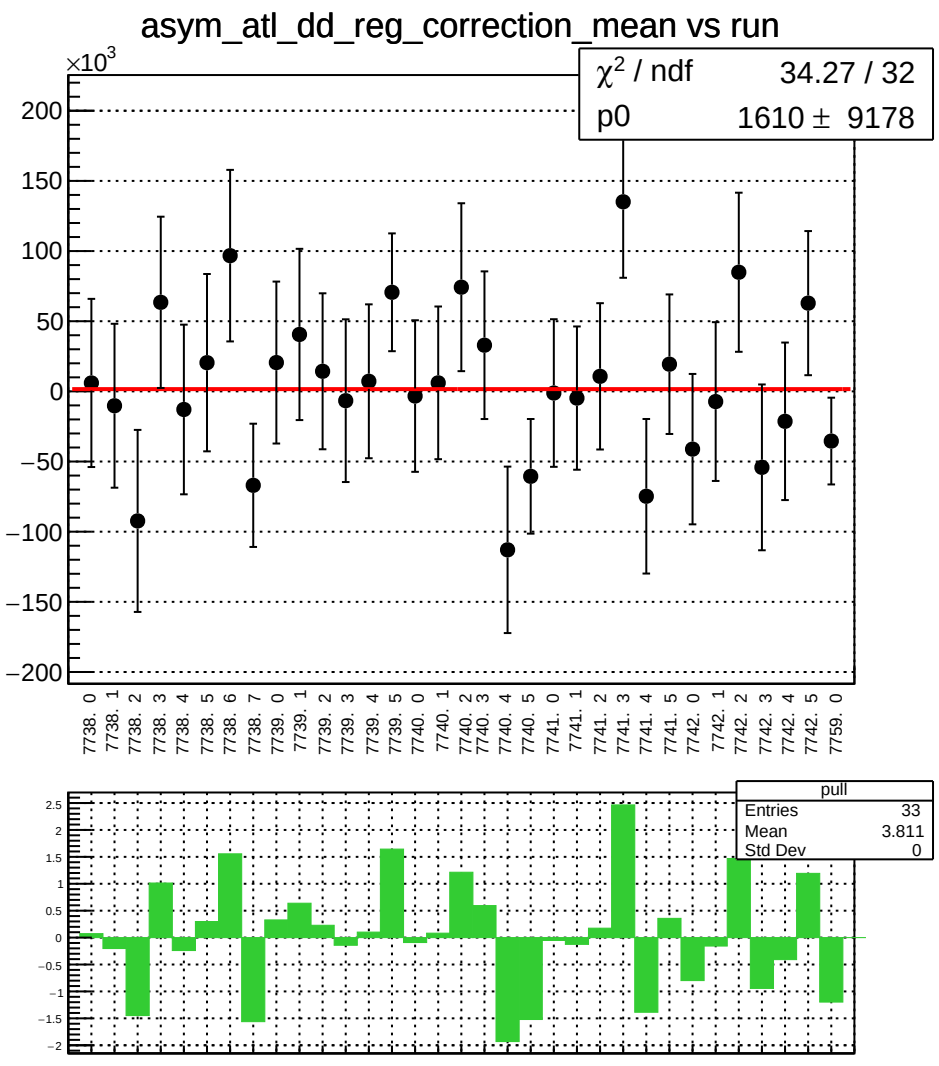

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 38.22 / 32
p0 2.715e−13 ± 4.89e−13
50
40
30
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.11
Std Dev 11.7
3
2
1
0
−1
pull1D
Entries 33
Mean 0.226
Std Dev 1.052
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

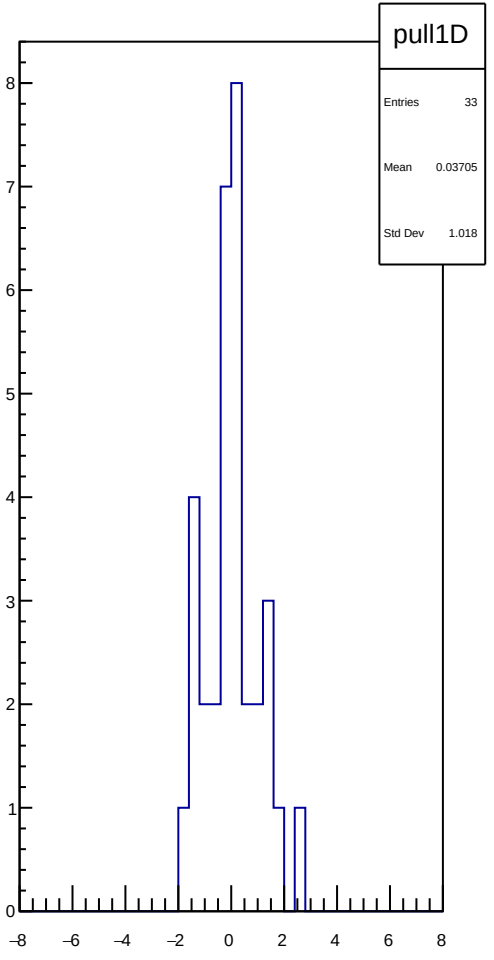

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.161e+05 / 32
p0 2.036e−10 ± 3.458e−13
2.5
2
1.5
1
0.5
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

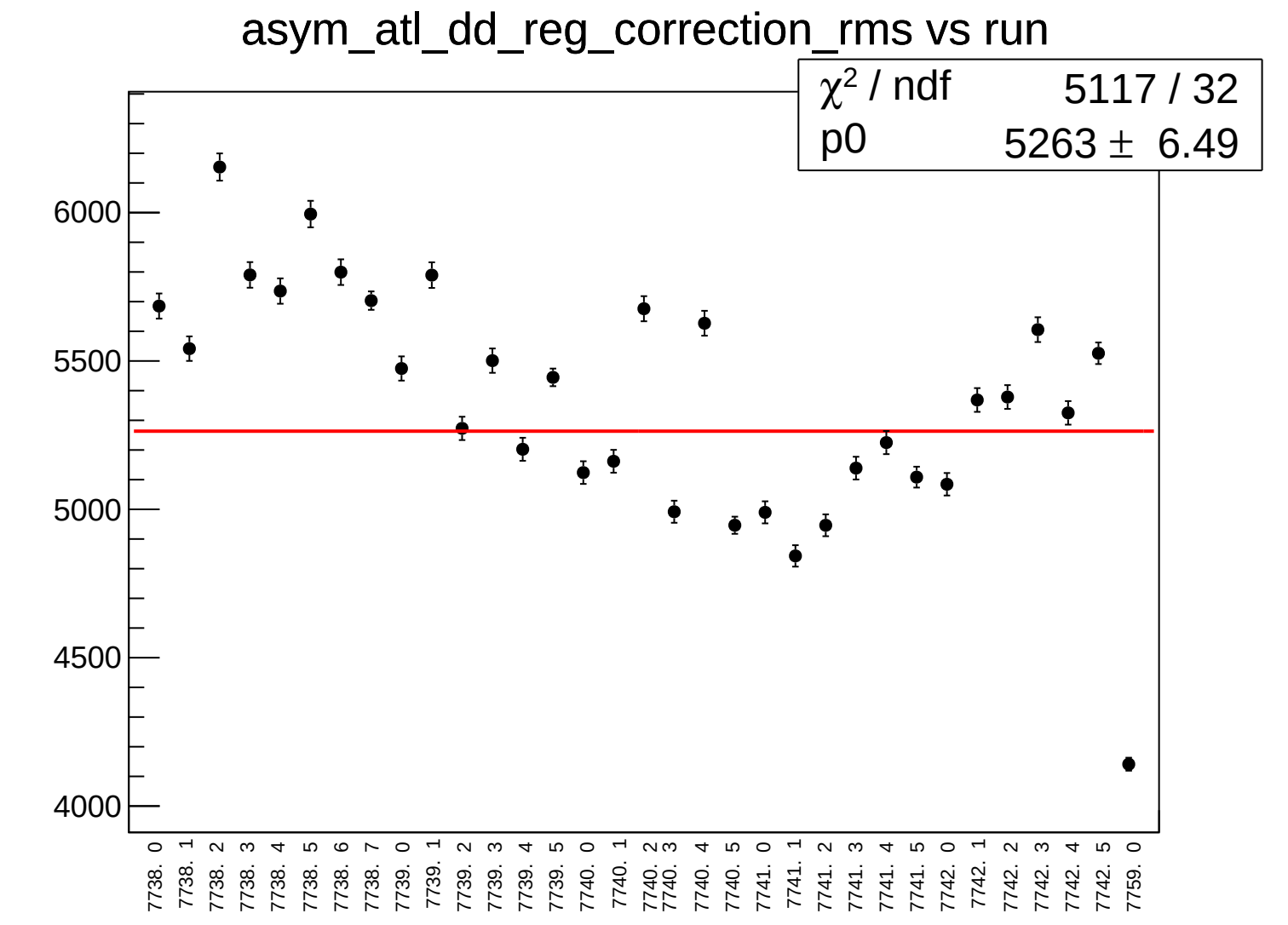

reg_asym_atl_dd_mean vs run
χ² / ndf 47 / 32
p0 2664 ± 2824
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.75
Std Dev 0
2
1
0
−1
−2

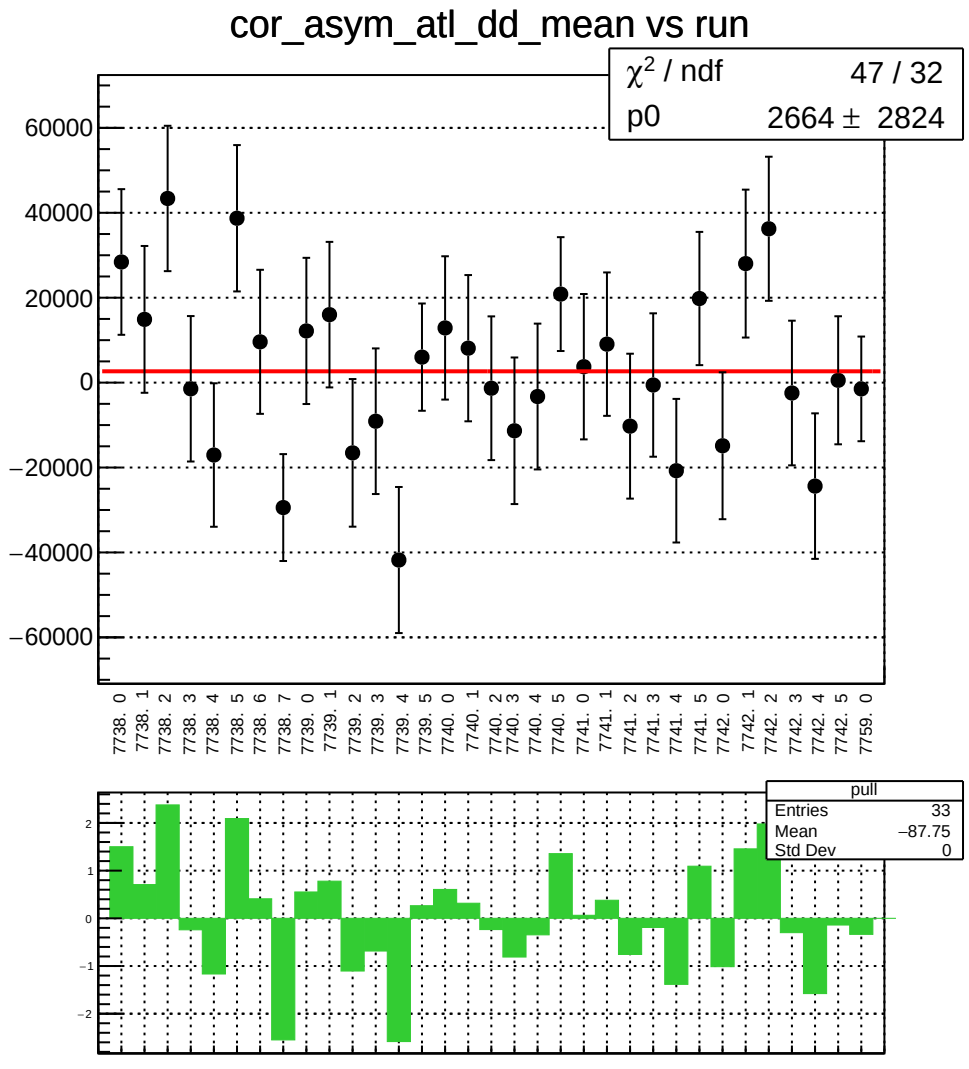

pull1D
Entries 33
Mean 0.01541
Std Dev 1.193
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

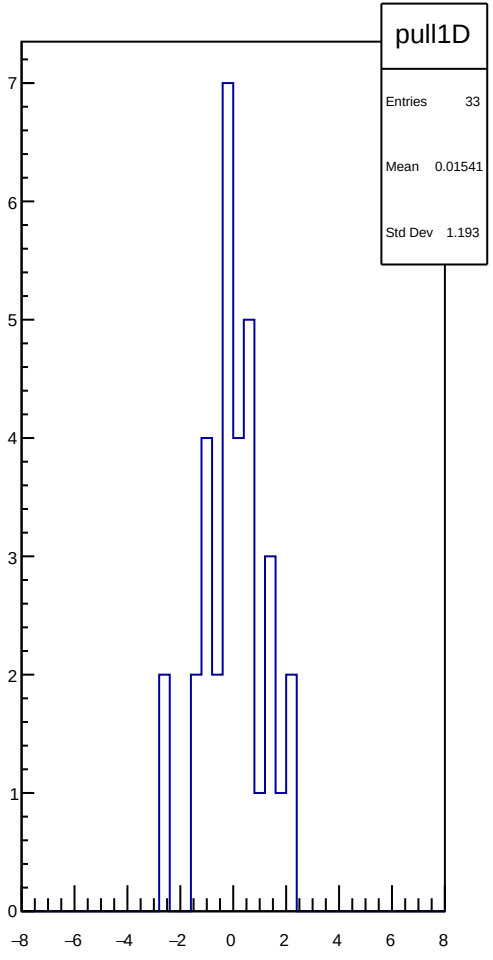

reg_asym_atl_dd_rms vs run
χ² / ndf 53.75 / 32
p0 1626 ± 1.997
1670
1660
1650
1640
1630
1620
1610
1600
1590
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

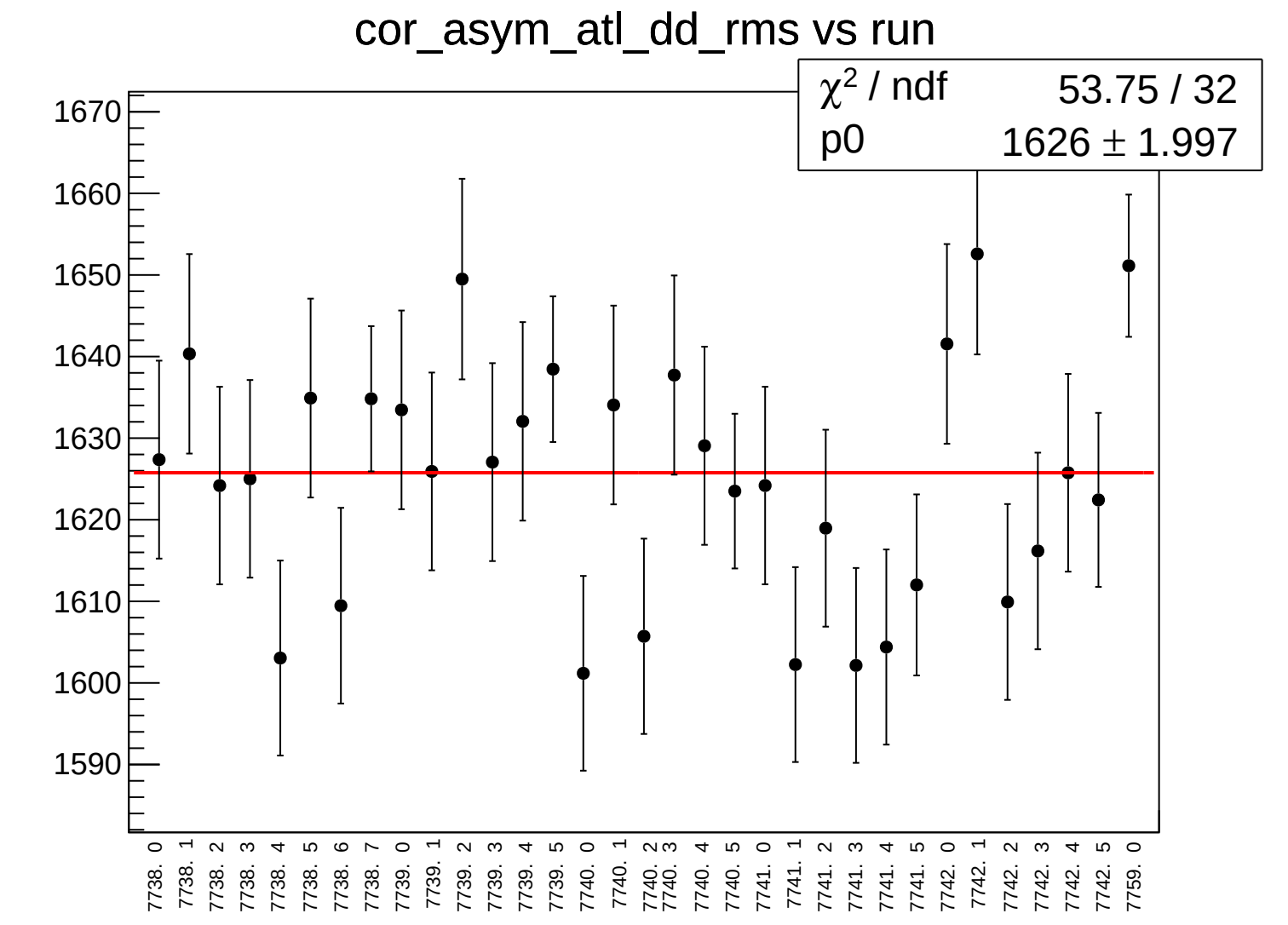

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.27 / 32
p0 1610 ± 9178
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.811
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

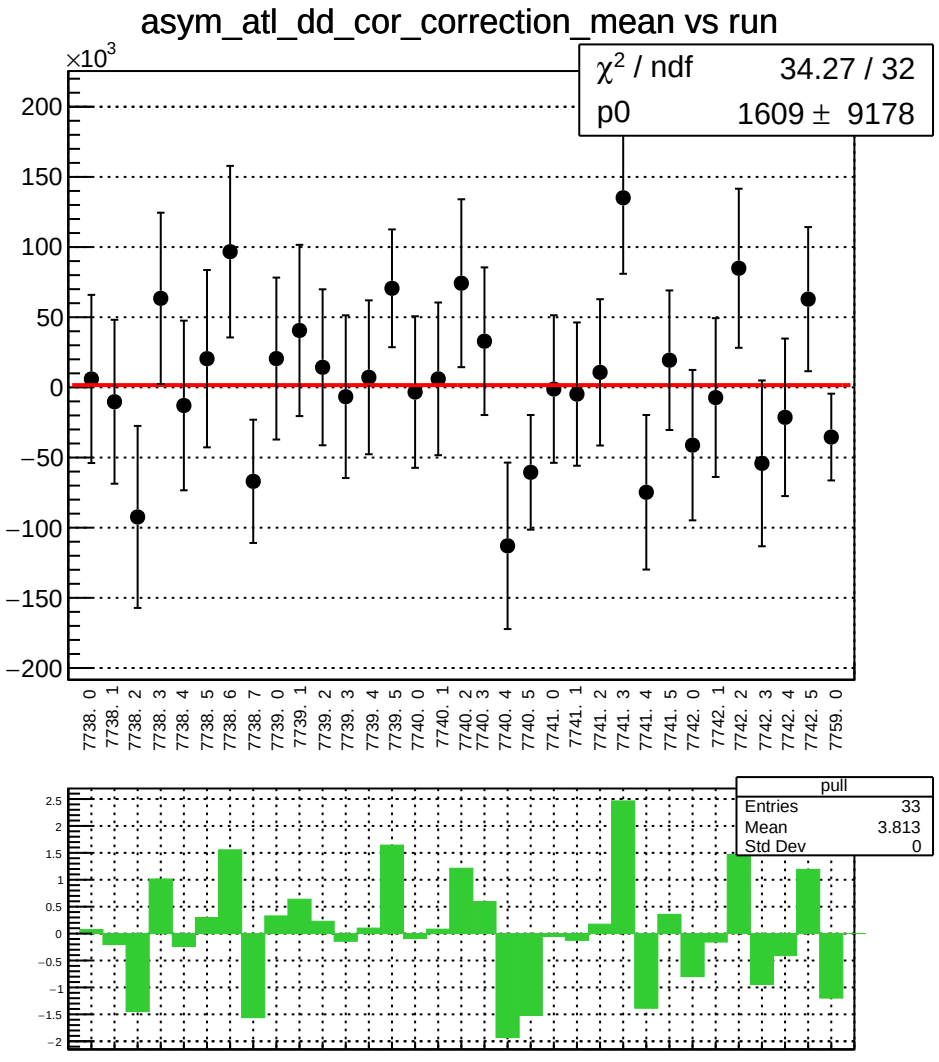

pull1D
Entries 33
Mean 0.03705
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

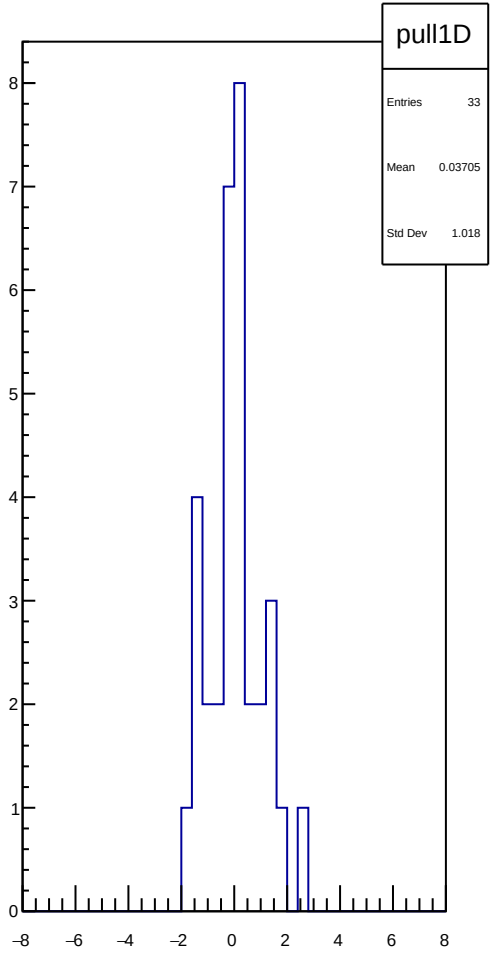

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 5117 / 32
p0 5263 ± 6.49
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

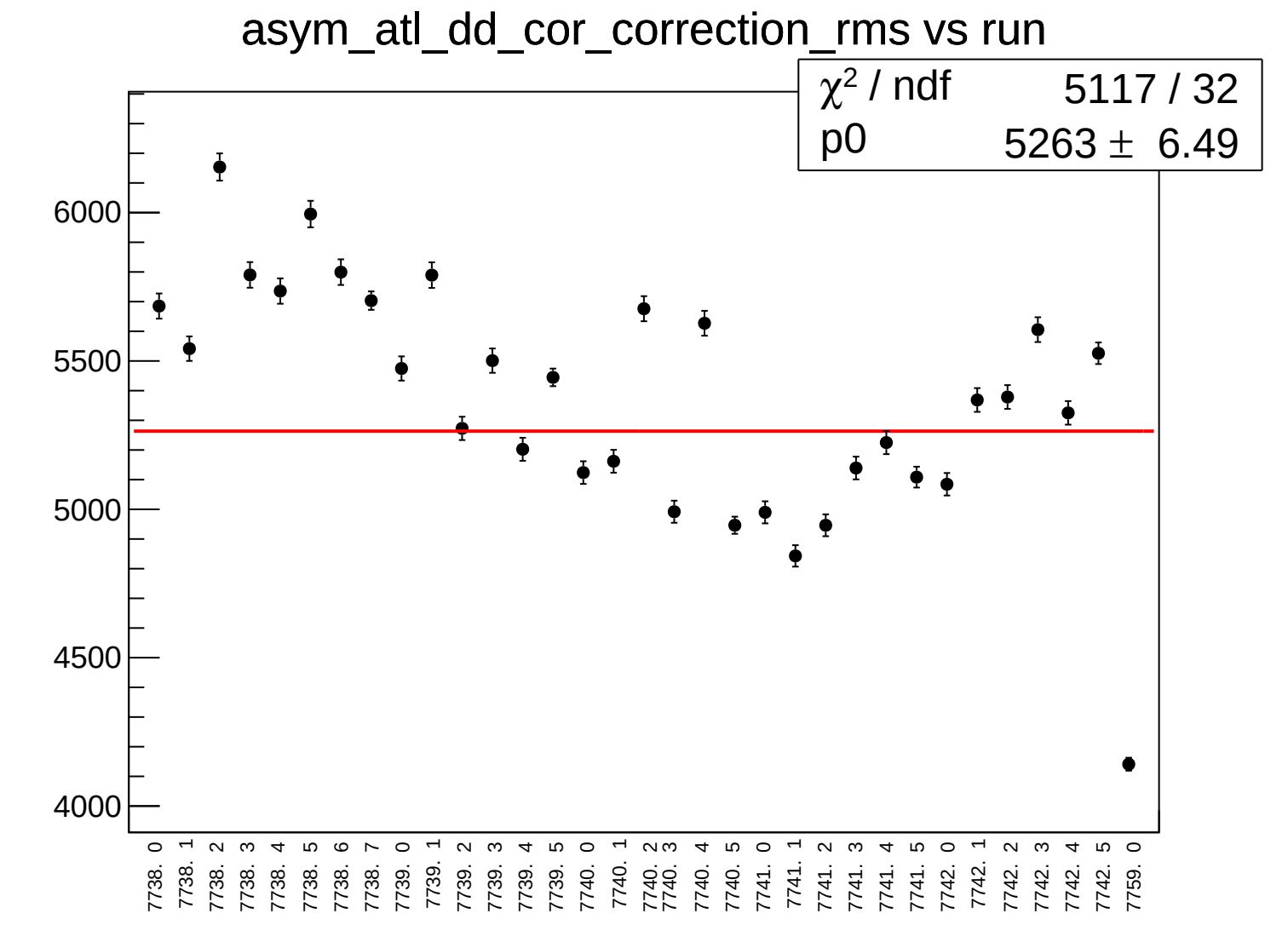

cor_asym_atl_dd_mean vs run
χ² / ndf 47 / 32
p0 2664 ± 2824
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.75
Std Dev 0
2
1
0
−1
−2

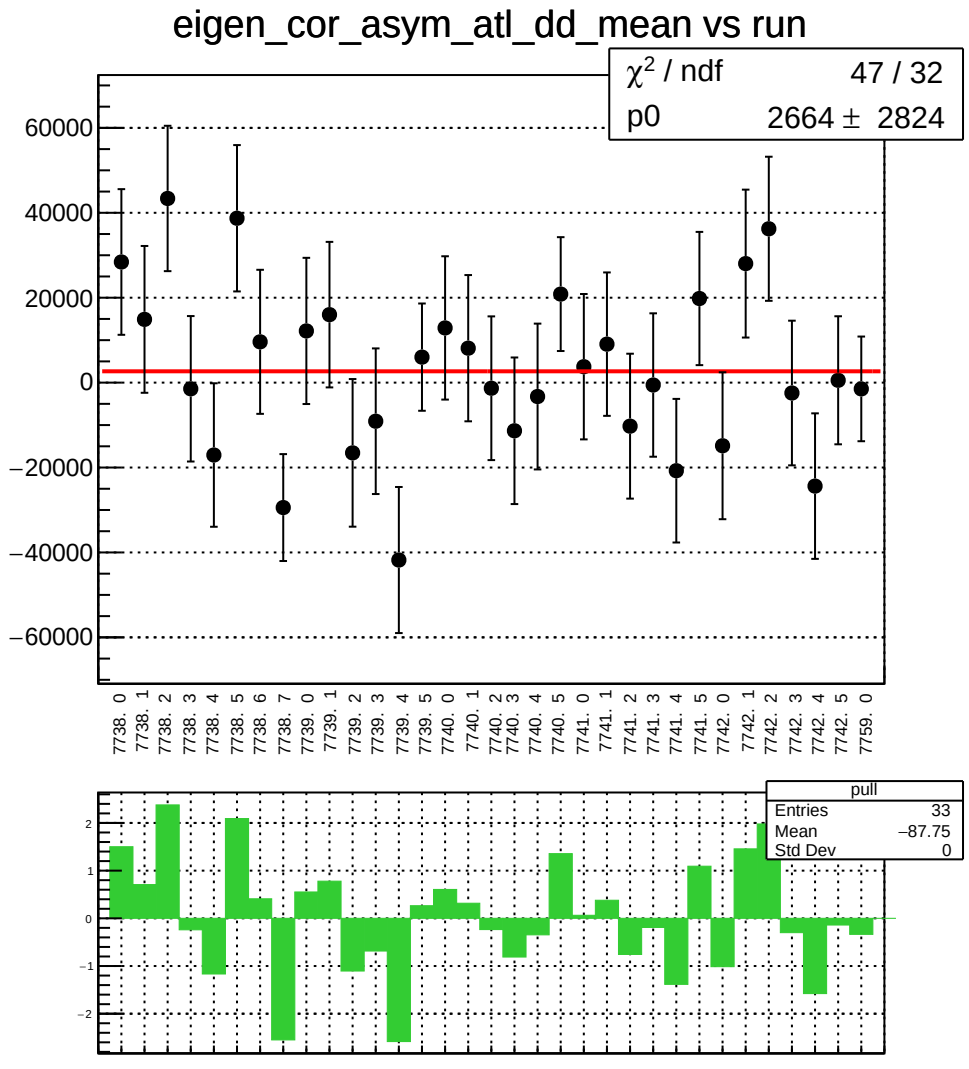

pull1D
Entries 33
Mean 0.01541
Std Dev 1.193
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

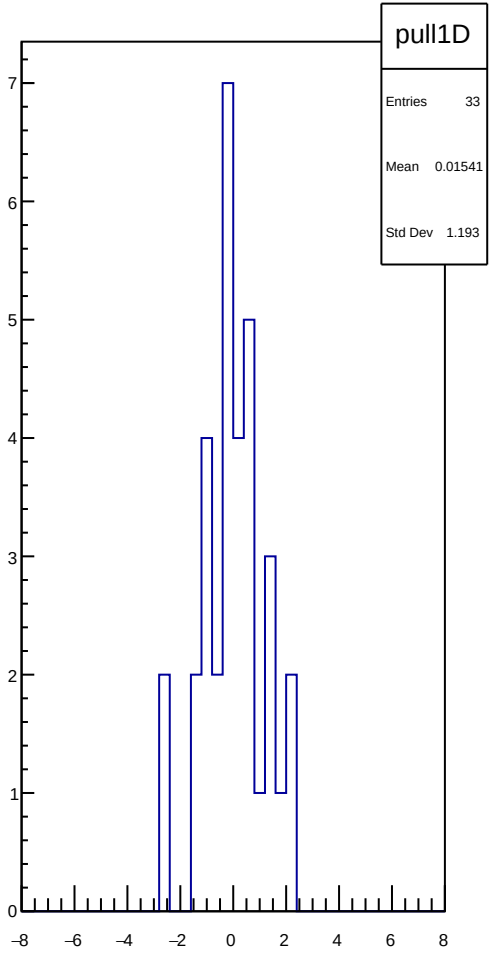

cor_asym_atl_dd_rms vs run
χ² / ndf 53.75 / 32
p0 1626 ± 1.997
1670
1660
1650
1640
1630
1620
1610
1600
1590
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

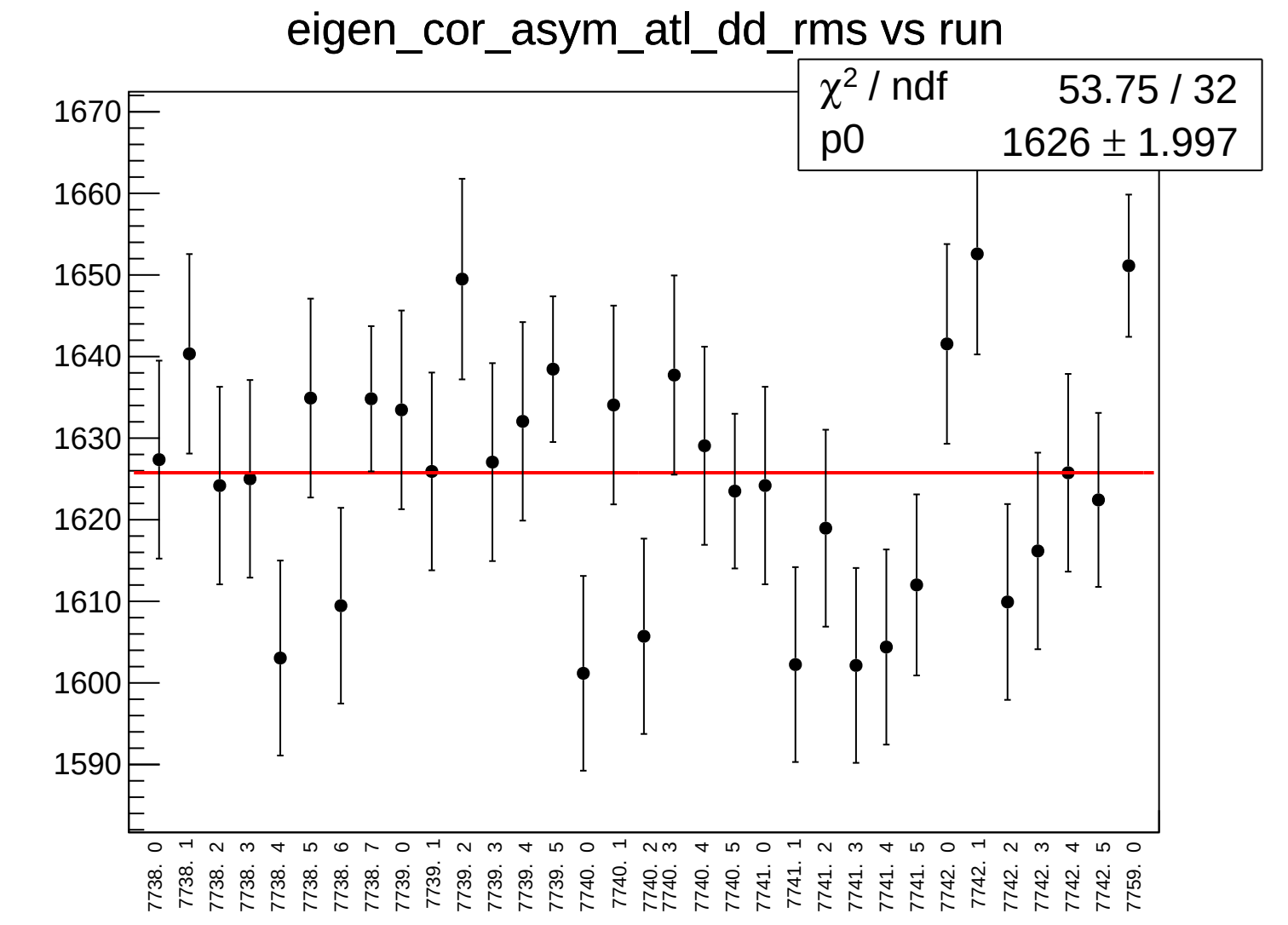

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.27 / 32
p0 1609 ± 9178
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.813
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

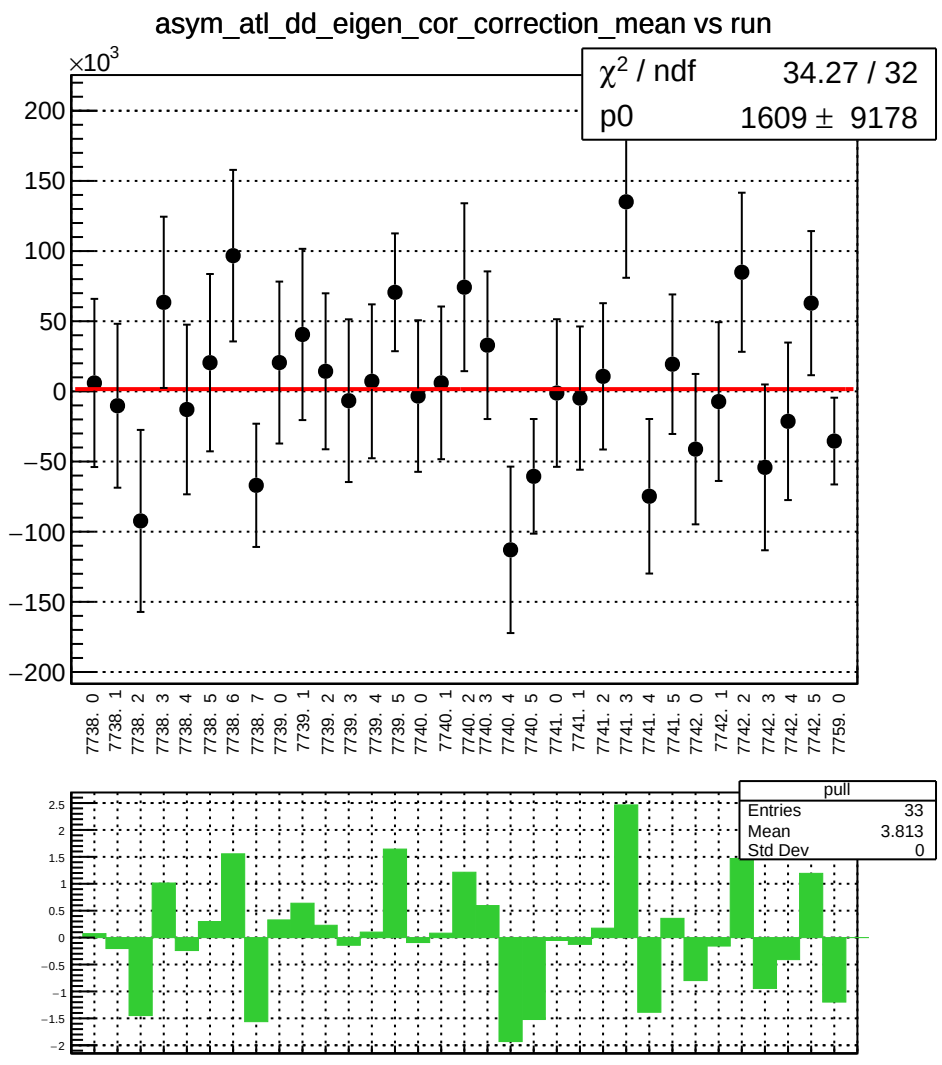

pull1D
Entries 33
Mean 0.03705
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

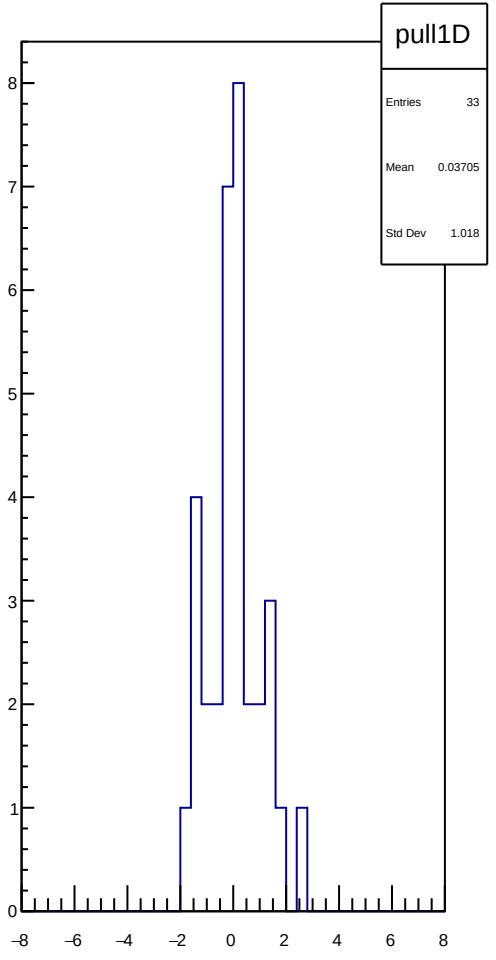

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 5117 / 32
p0 5263 ± 6.49
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

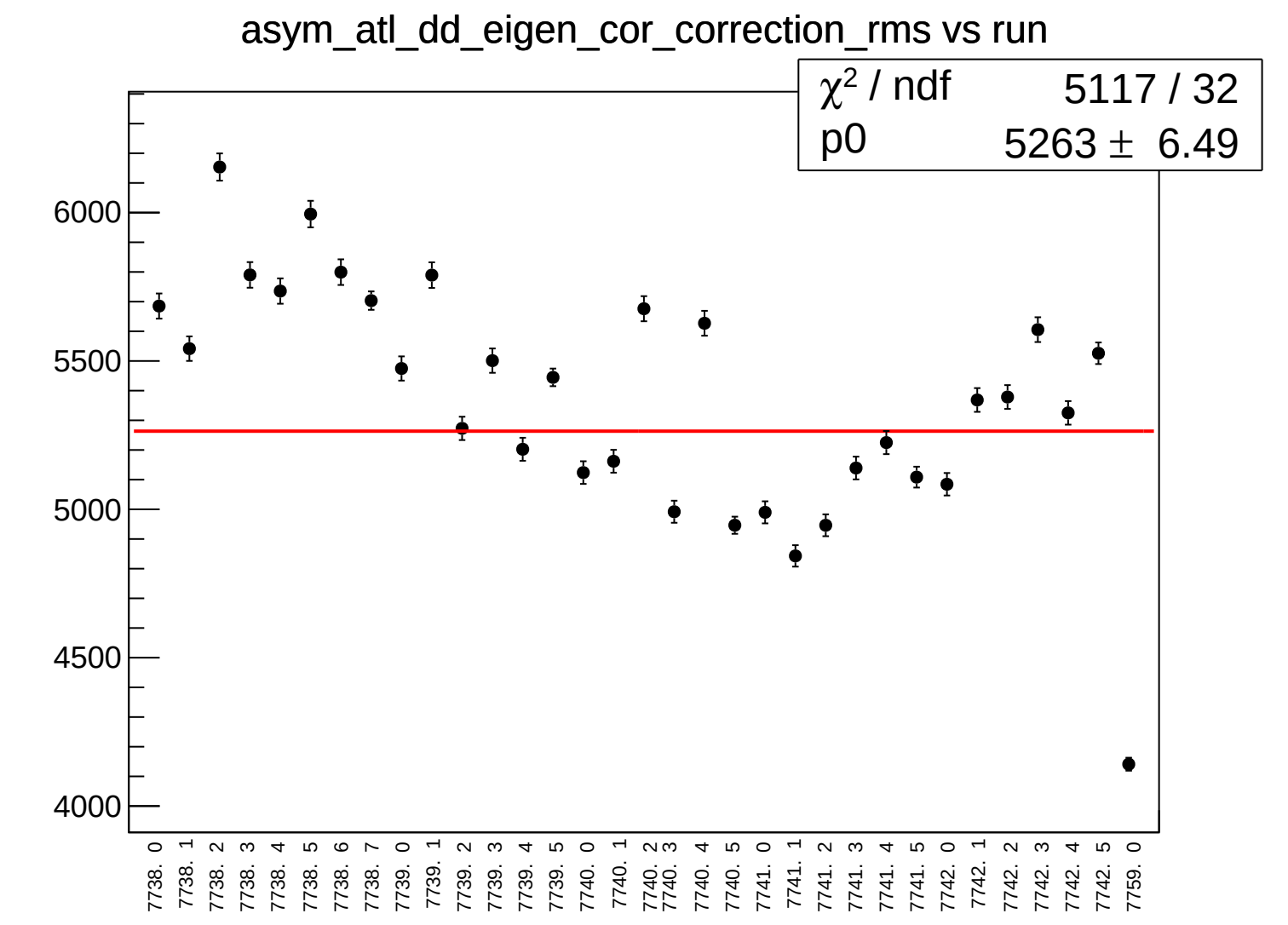

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 47 / 32
p0 2664 ± 2824
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.75
Std Dev 0
2
1
0
−1
−2

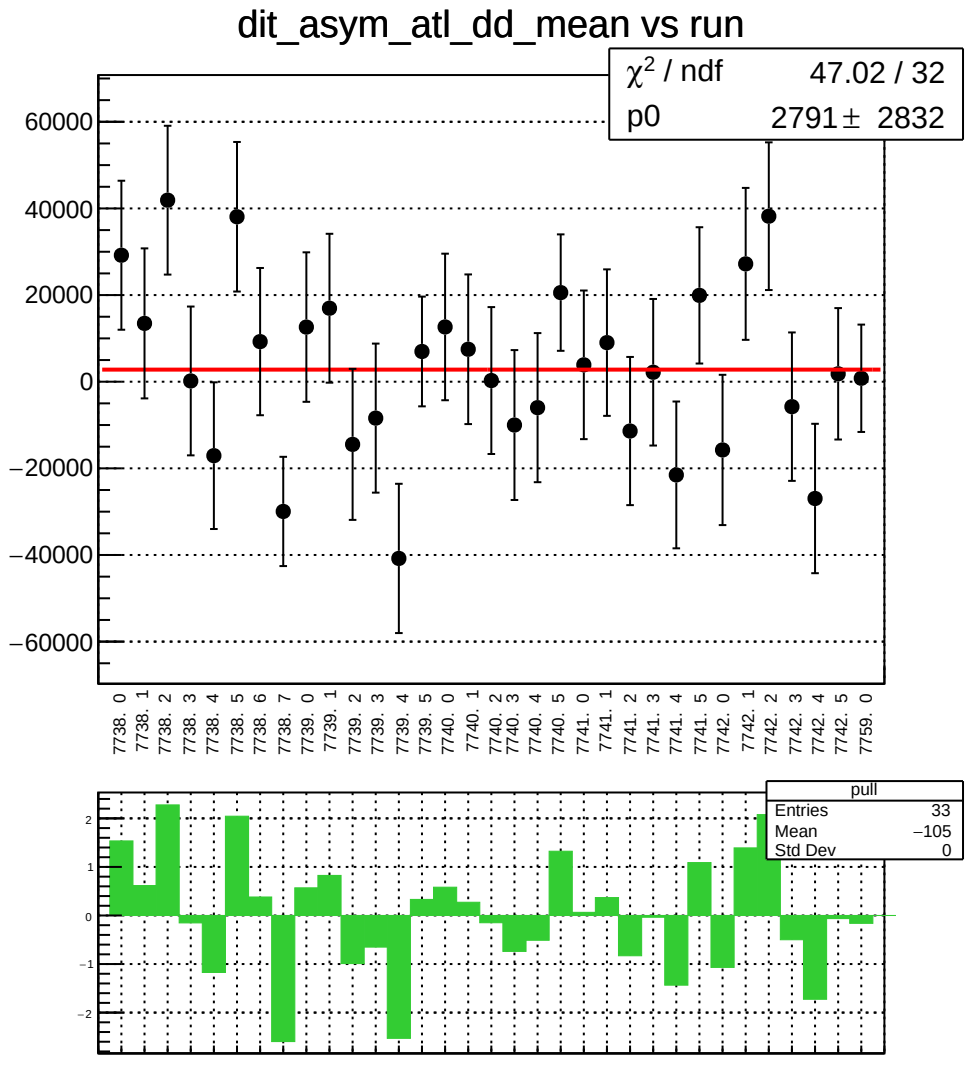

pull1D
Entries 33
Mean 0.01541
Std Dev 1.193
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

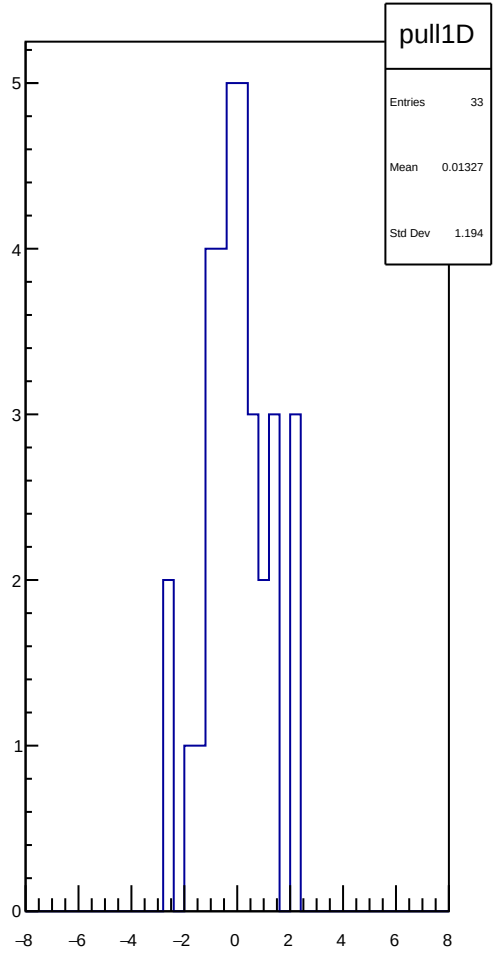

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 53.75 / 32
p0 1626 ± 1.997
1670
1660
1650
1640
1630
1620
1610
1600
1590
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

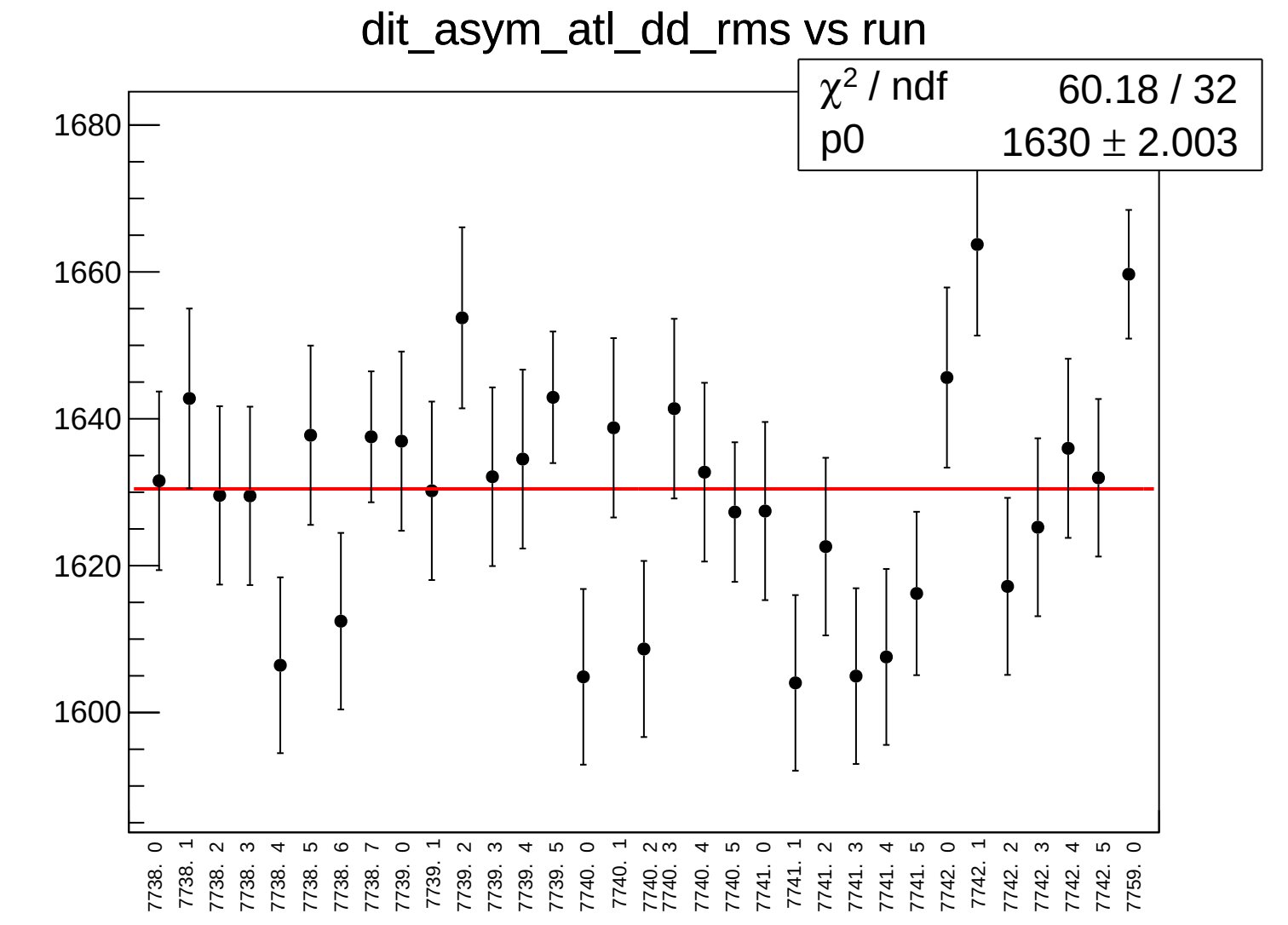

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.27 / 32
p0 1609 ± 9178
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.813
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

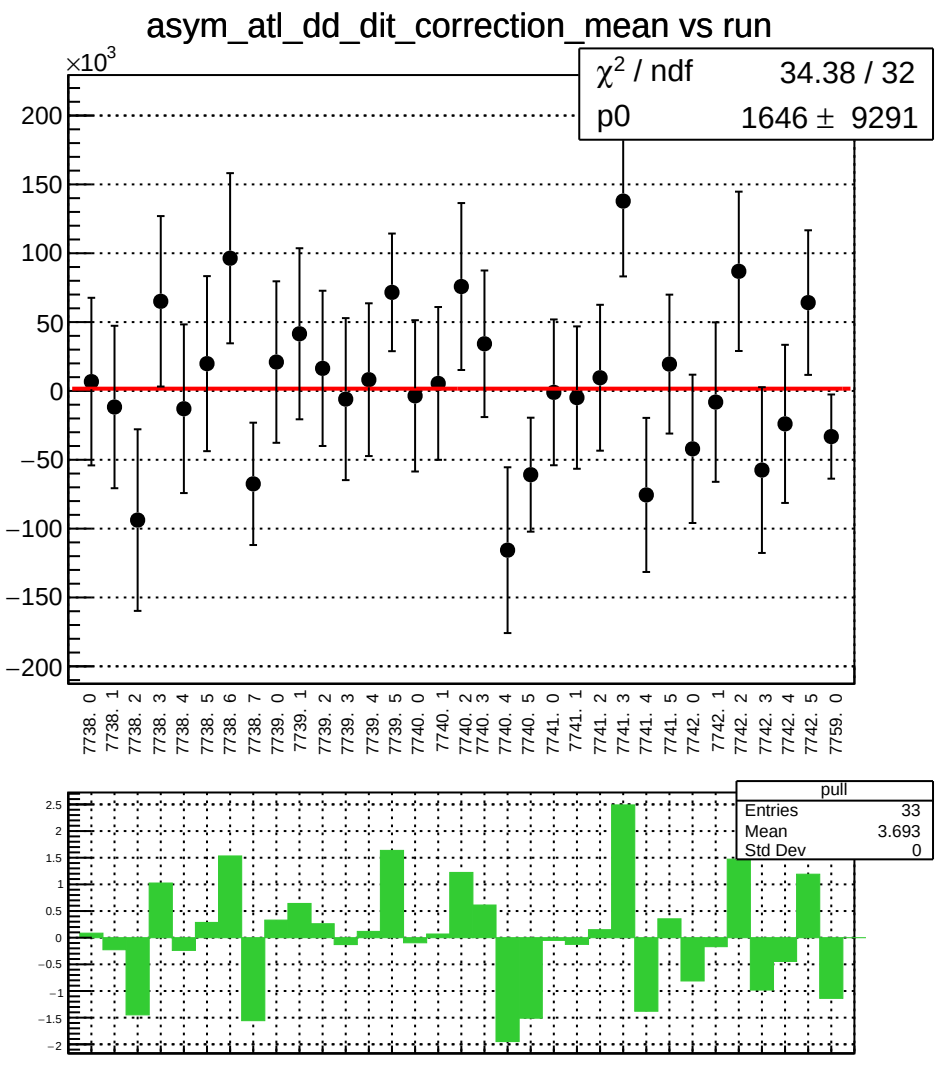

pull1D
Entries 33
Mean 0.03705
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

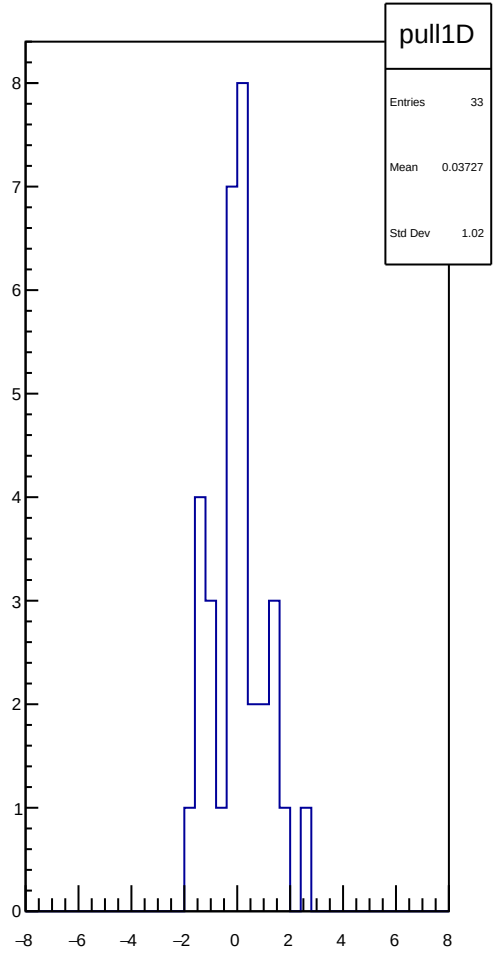

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 5117 / 32
p0 5263 ± 6.49
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

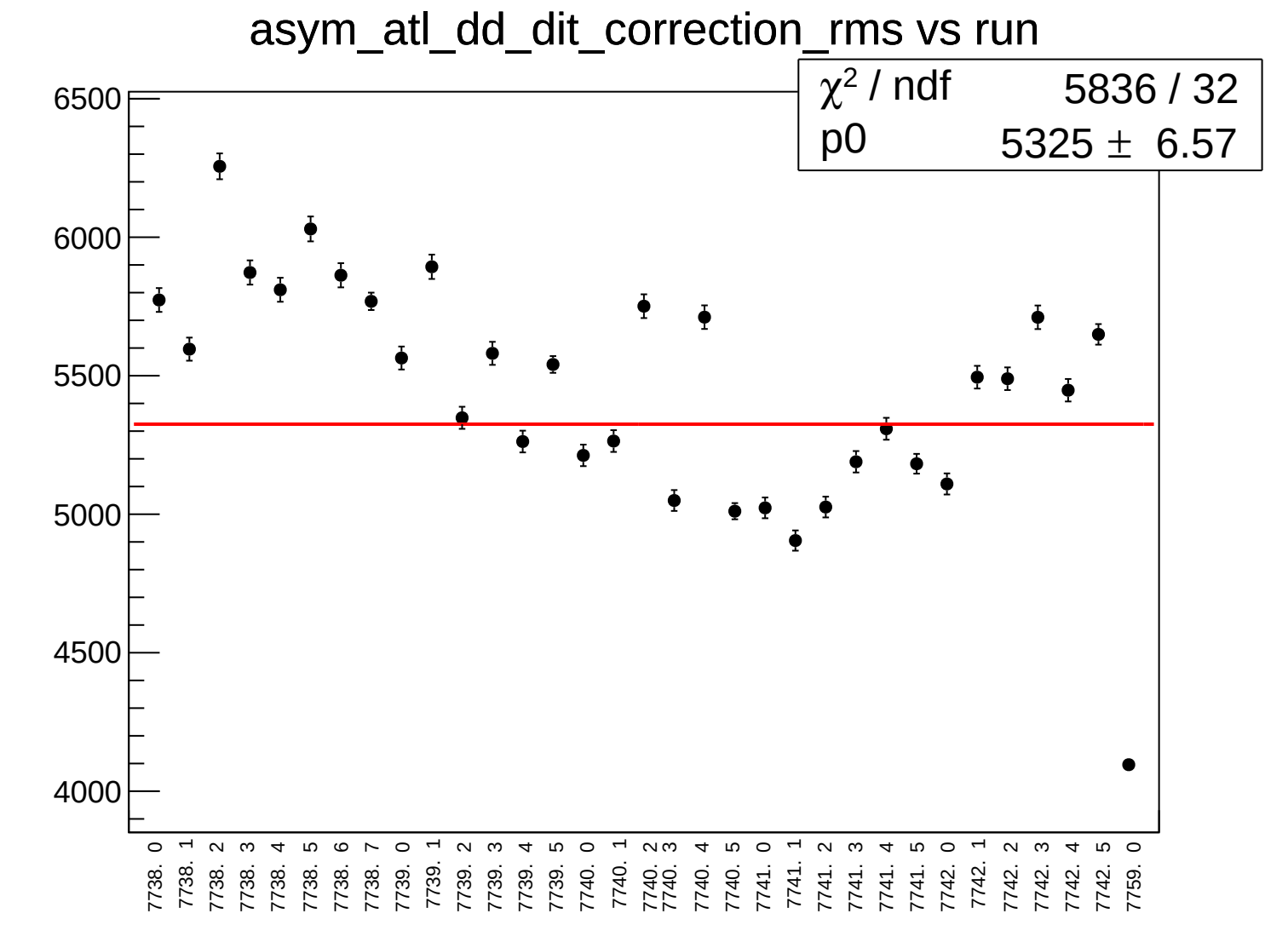

dit_asym_atl_dd_mean vs run
χ² / ndf 47.02 / 32
p0 2791 ± 2832
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −105
Std Dev 0
2
1
0
−1
−2

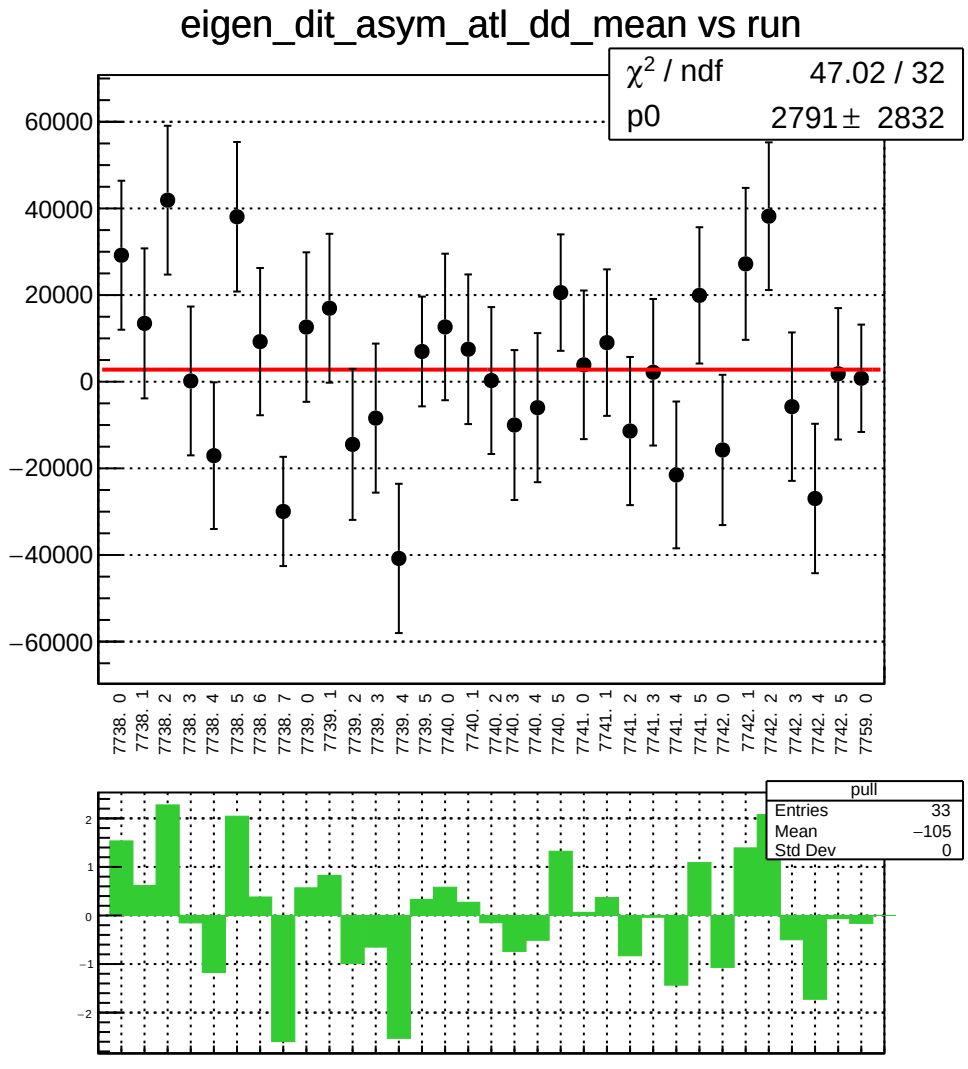

pull1D
Entries 33
Mean 0.01327
Std Dev 1.194
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

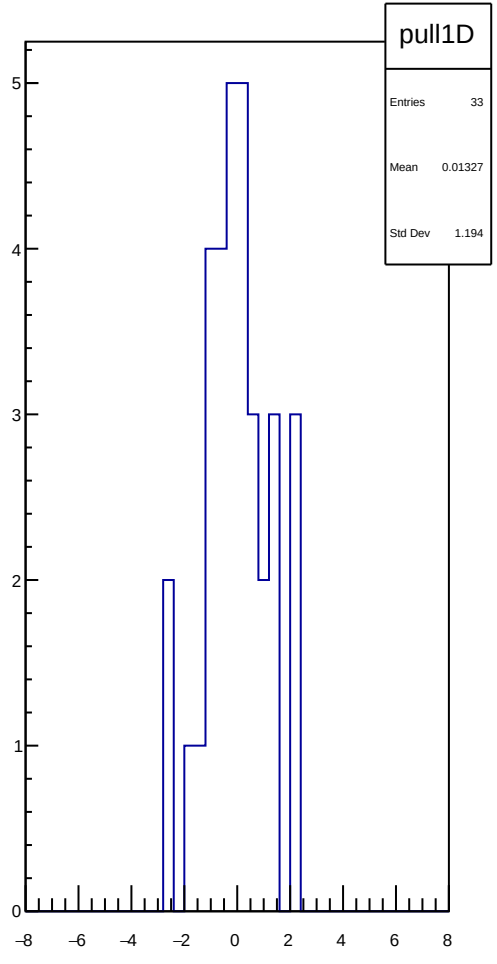

dit_asym_atl_dd_rms vs run
χ² / ndf 60.18 / 32
p0 1630 ± 2.003
1680
1660
1640
1620
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

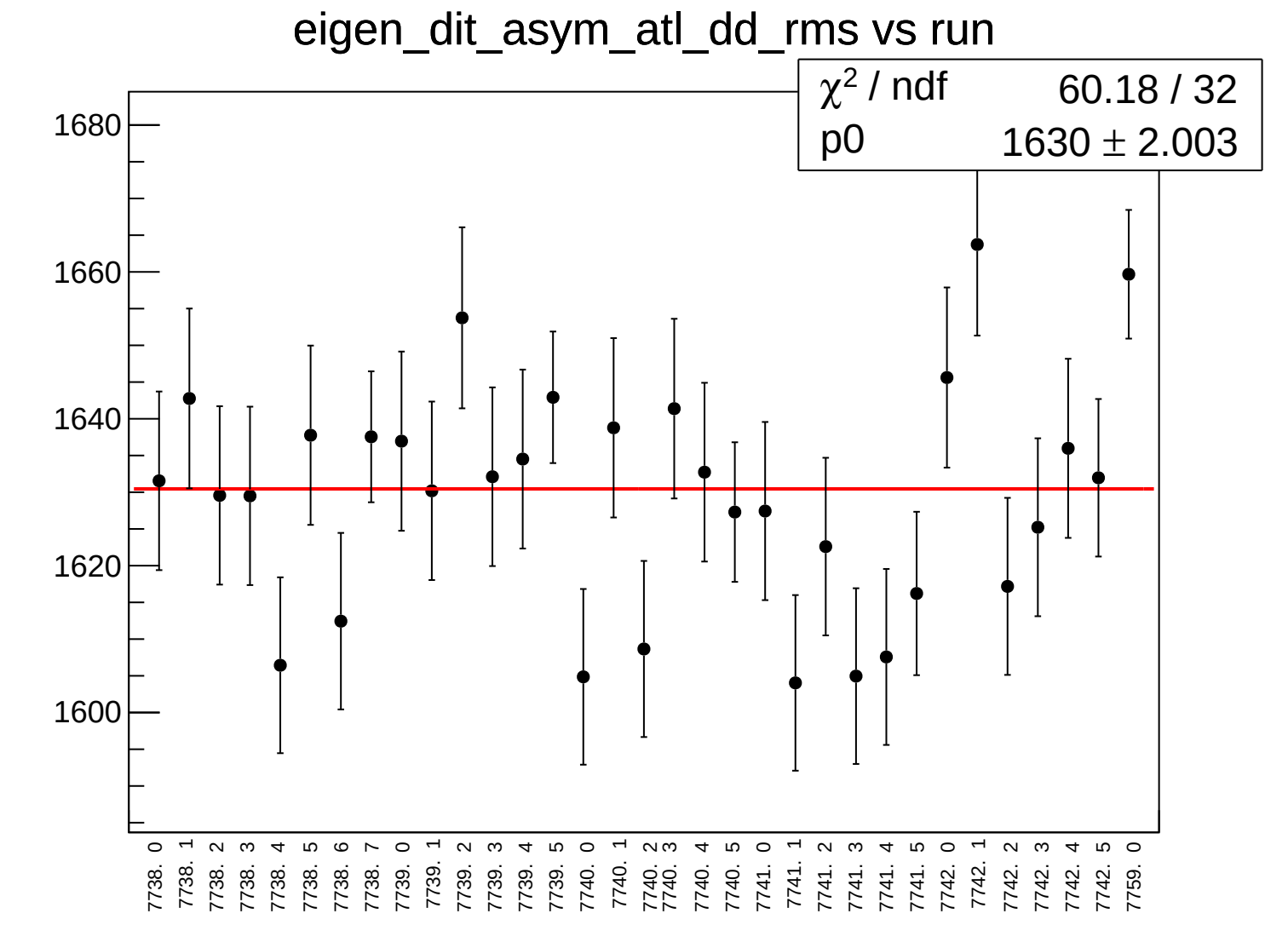

asym_atl_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 34.38 / 32
p0 1646 ± 9291
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.693
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.03727
Std Dev 1.02
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_dit_correction_rms vs run
χ² / ndf 5836 / 32
p0 5325 ± 6.57
6500
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 47.02 / 32
p0 2791 ± 2832
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −105
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 33
Mean 0.01327
Std Dev 1.194
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 60.18 / 32
p0 1630 ± 2.003
1680
1660
1640
1620
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
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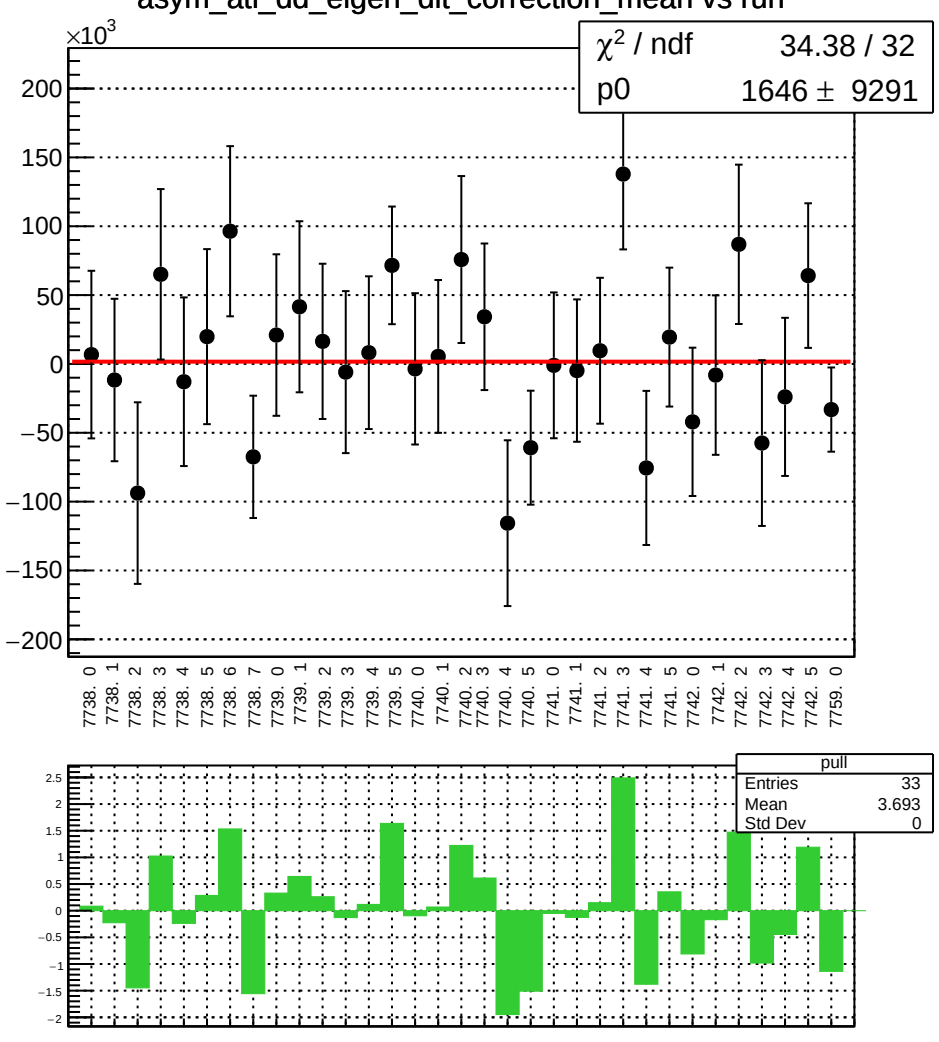
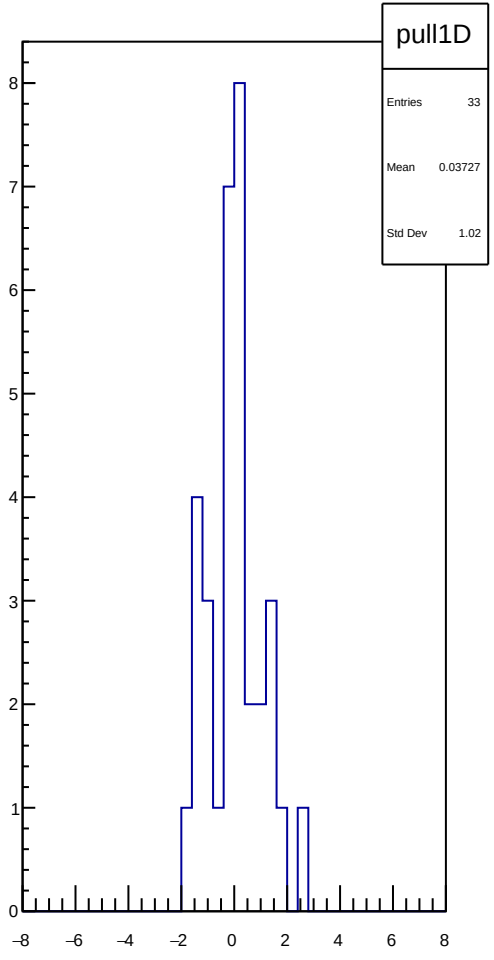
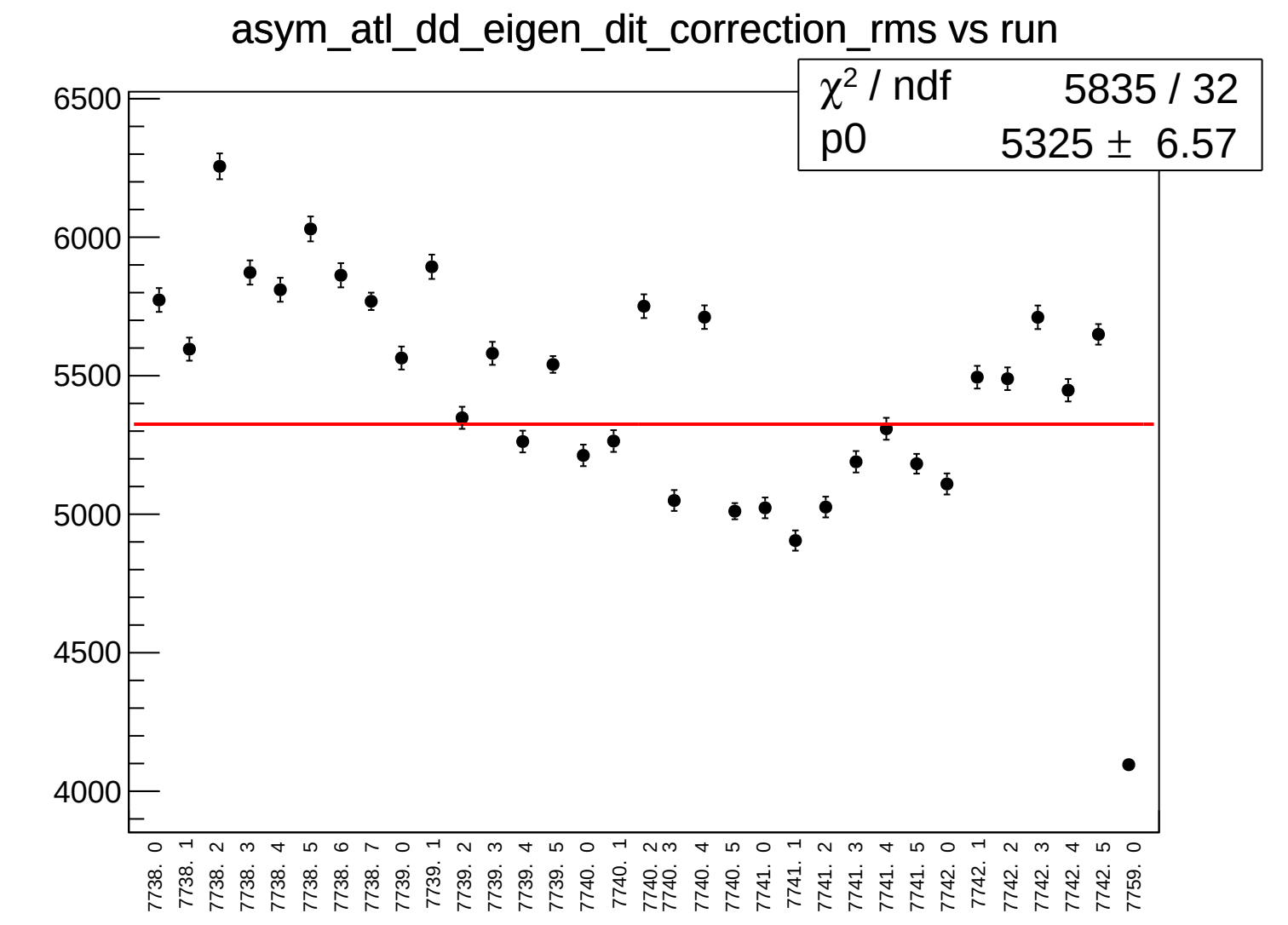
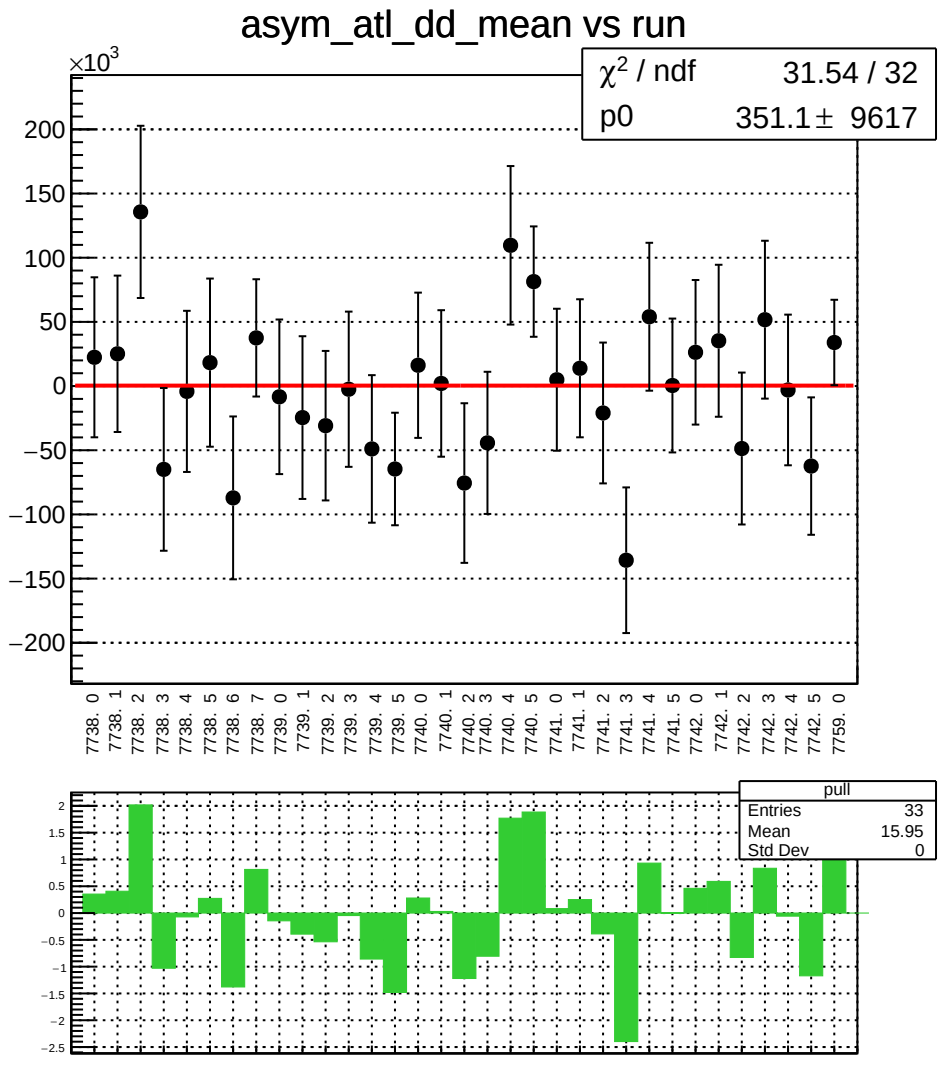
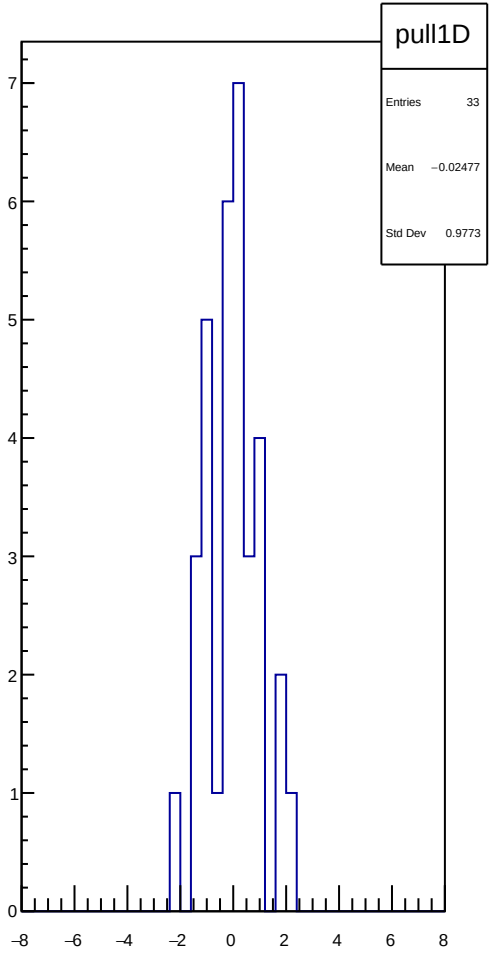
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

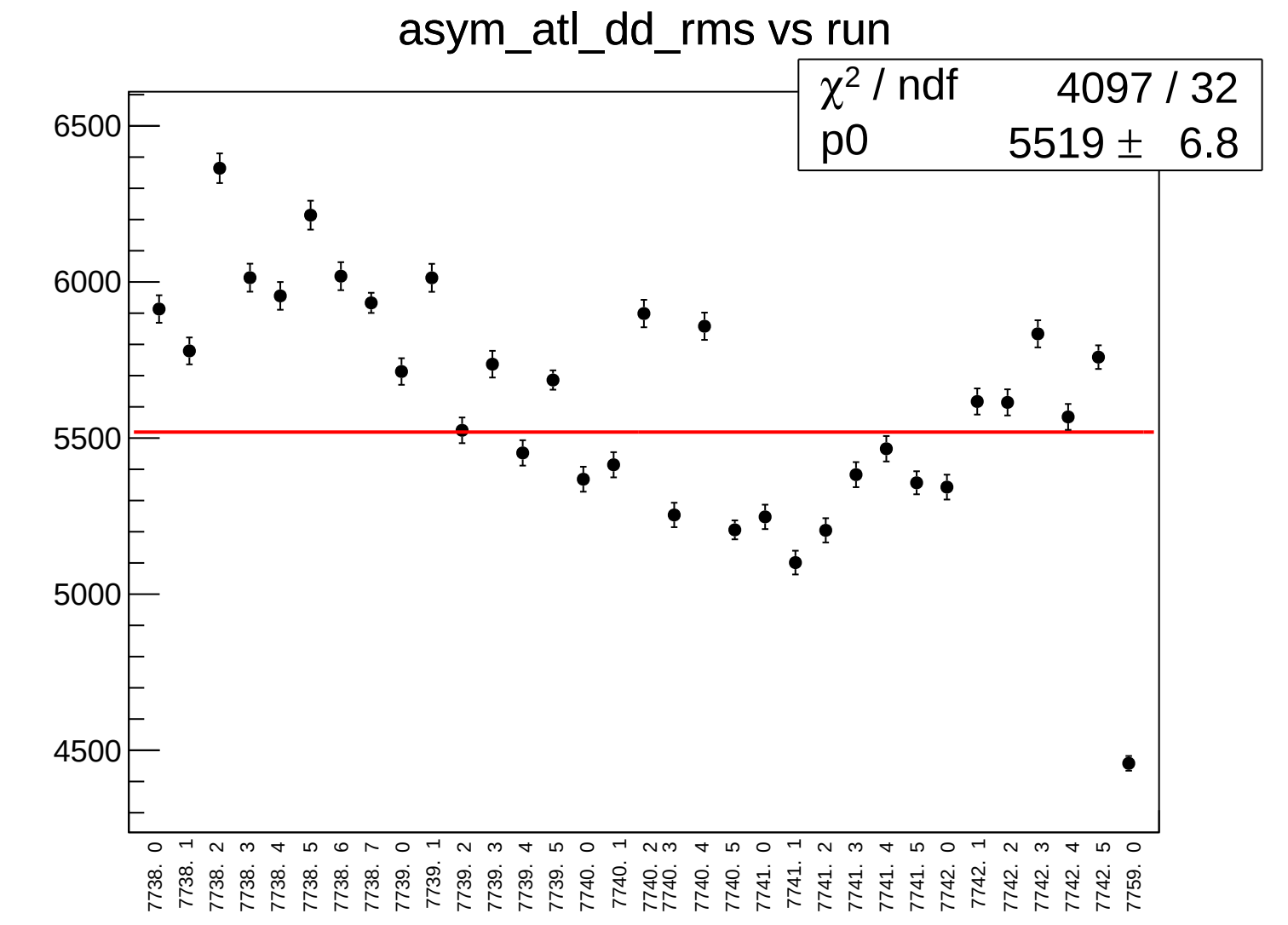

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 34.38 / 32
p0 1646 ± 9291
×10³
pull
Entries 33
Mean 3.693
Std Dev 0

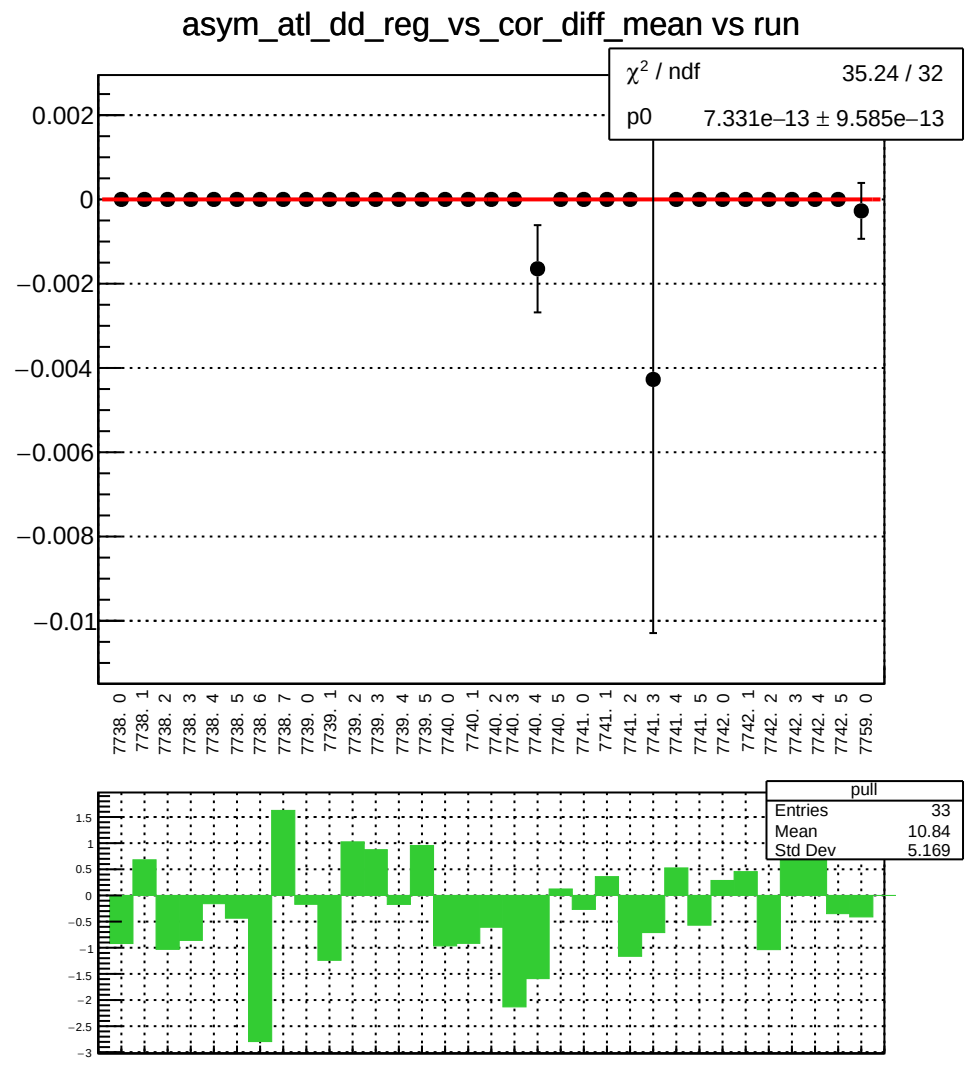

pull1D
Entries 33
Mean 0.03727
Std Dev 1.02

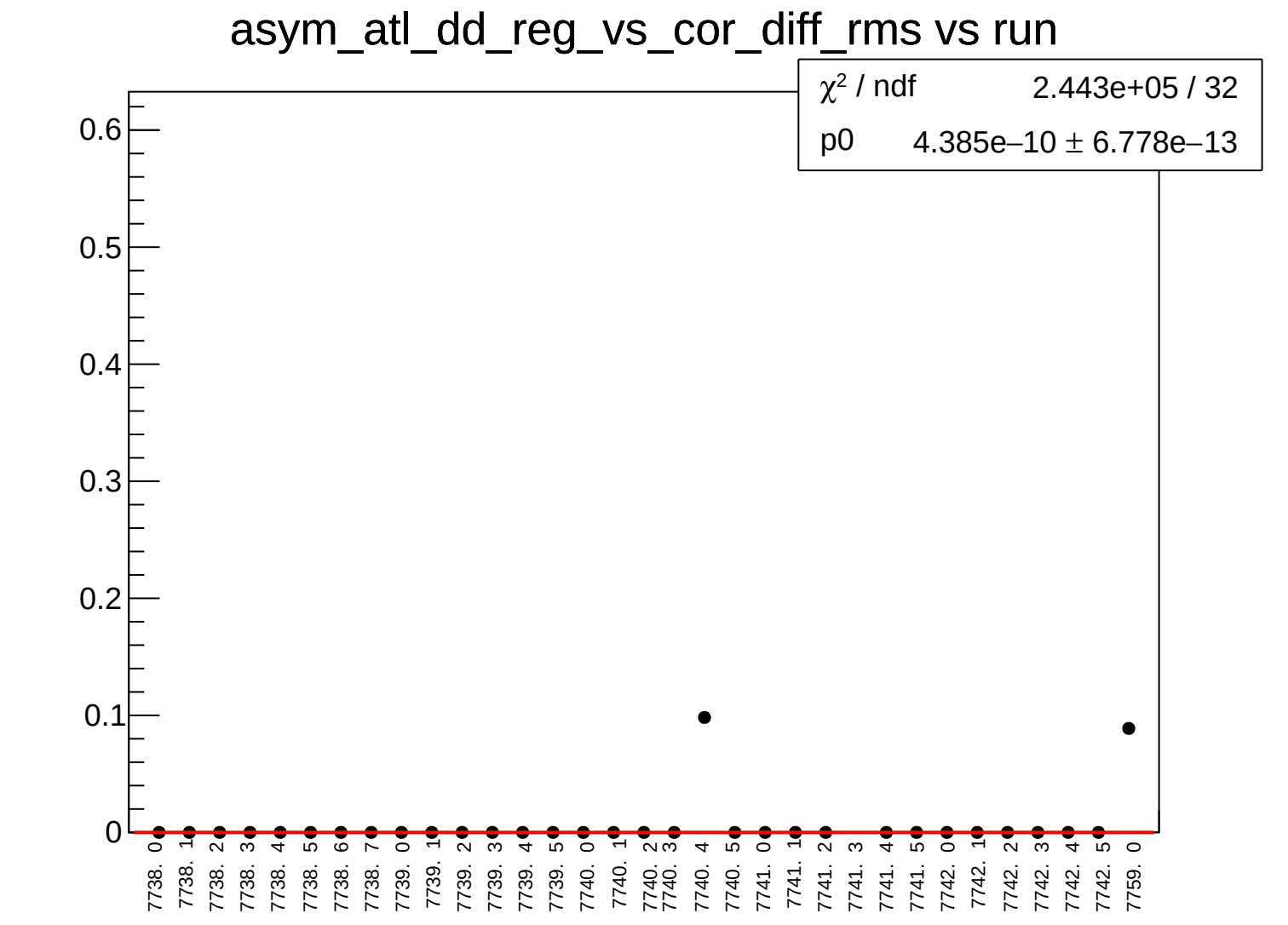

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 5835 / 32
p0 5325 ± 6.57
6500
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

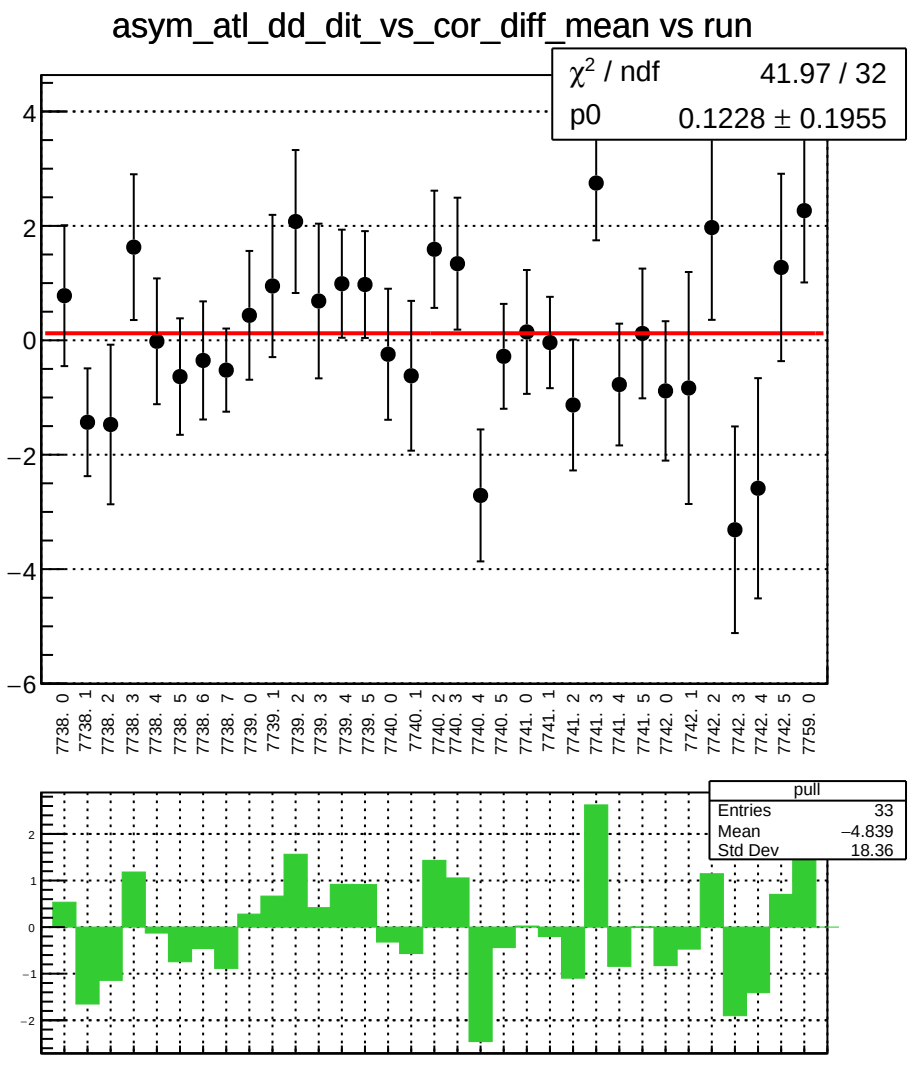

asym_atl_dd_mean vs run
×10^3
χ² / ndf 31.54 / 32
p0 351.1 ± 9617
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

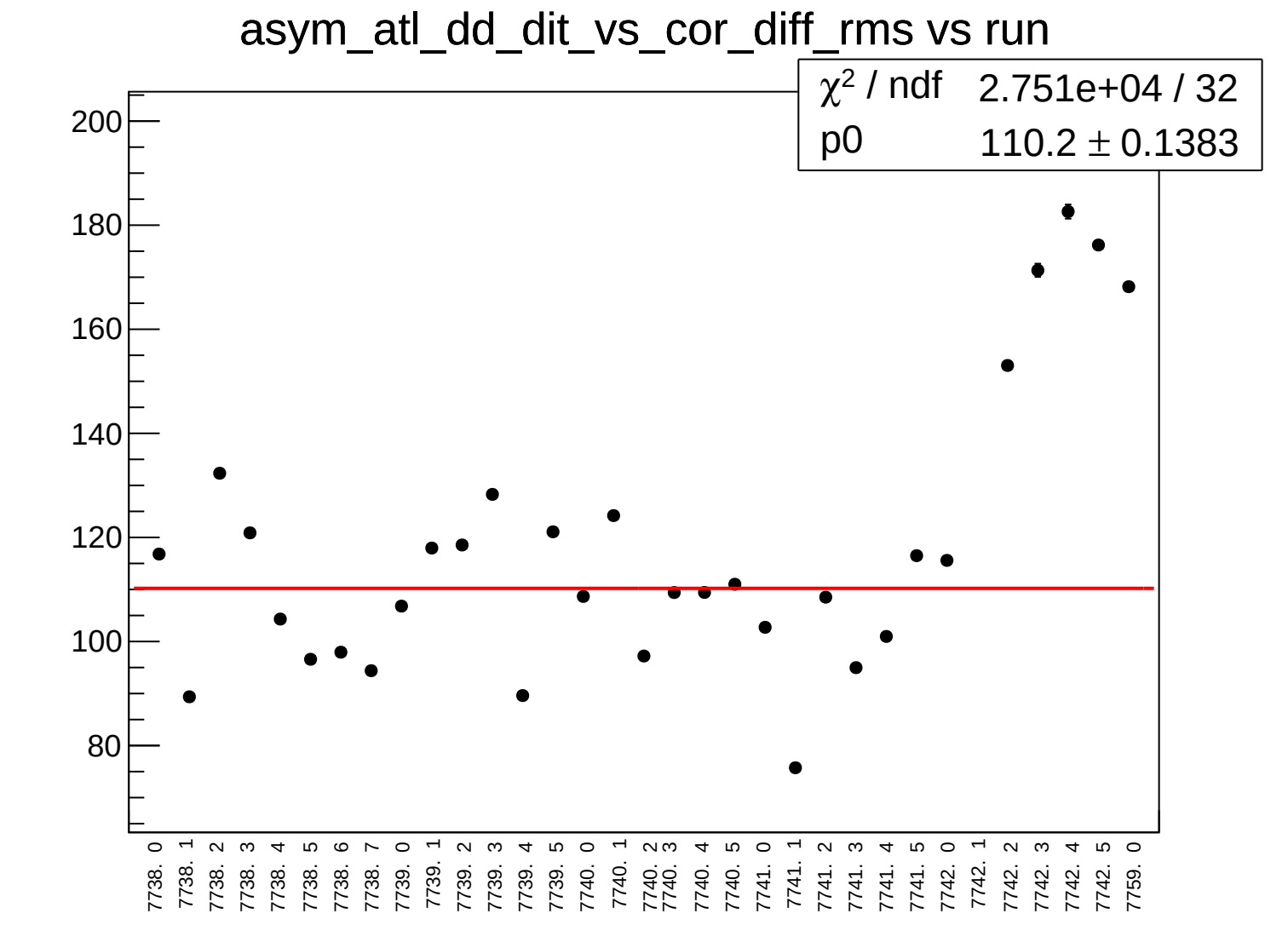

pull1D
Entries 33
Mean −0.02477
Std Dev 0.9773
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

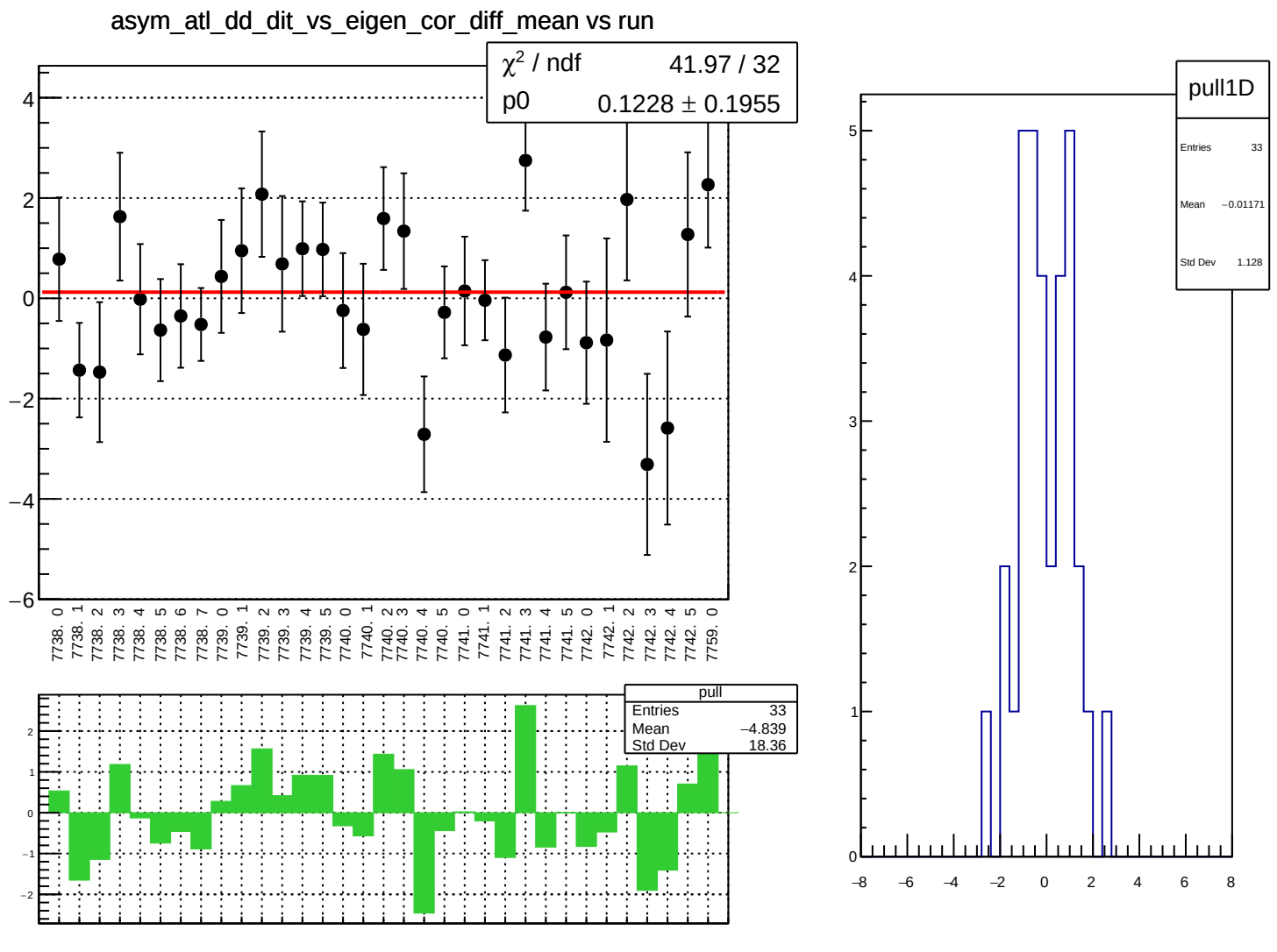

asym_atl_dd_rms vs run
χ² / ndf 4097 / 32
p0 5519 ± 6.8
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

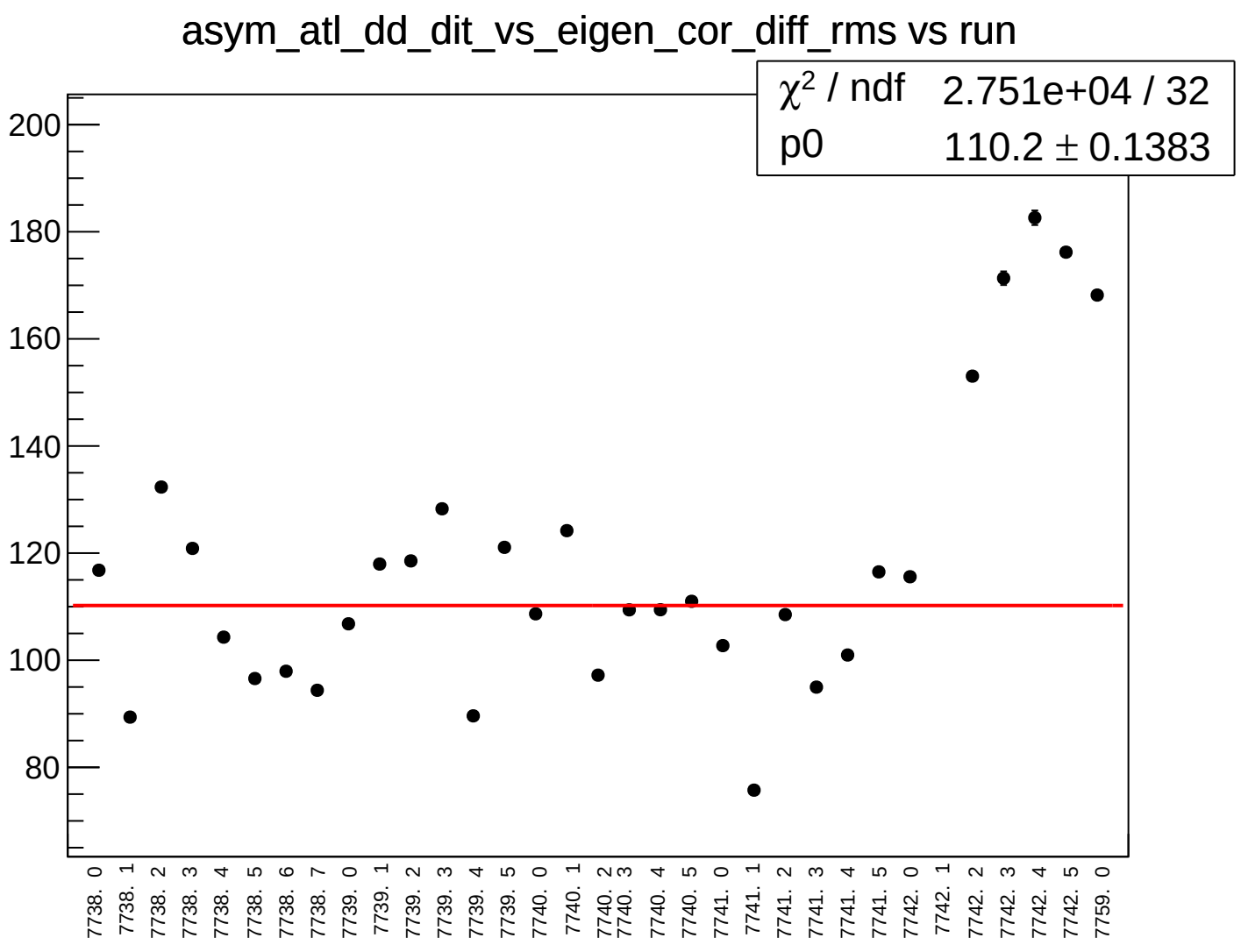

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.24 / 32
p0 7.331e−13 ± 9.585e−13
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.84
Std Dev 5.169
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 33
Mean −0.2745
Std Dev 0.9962
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

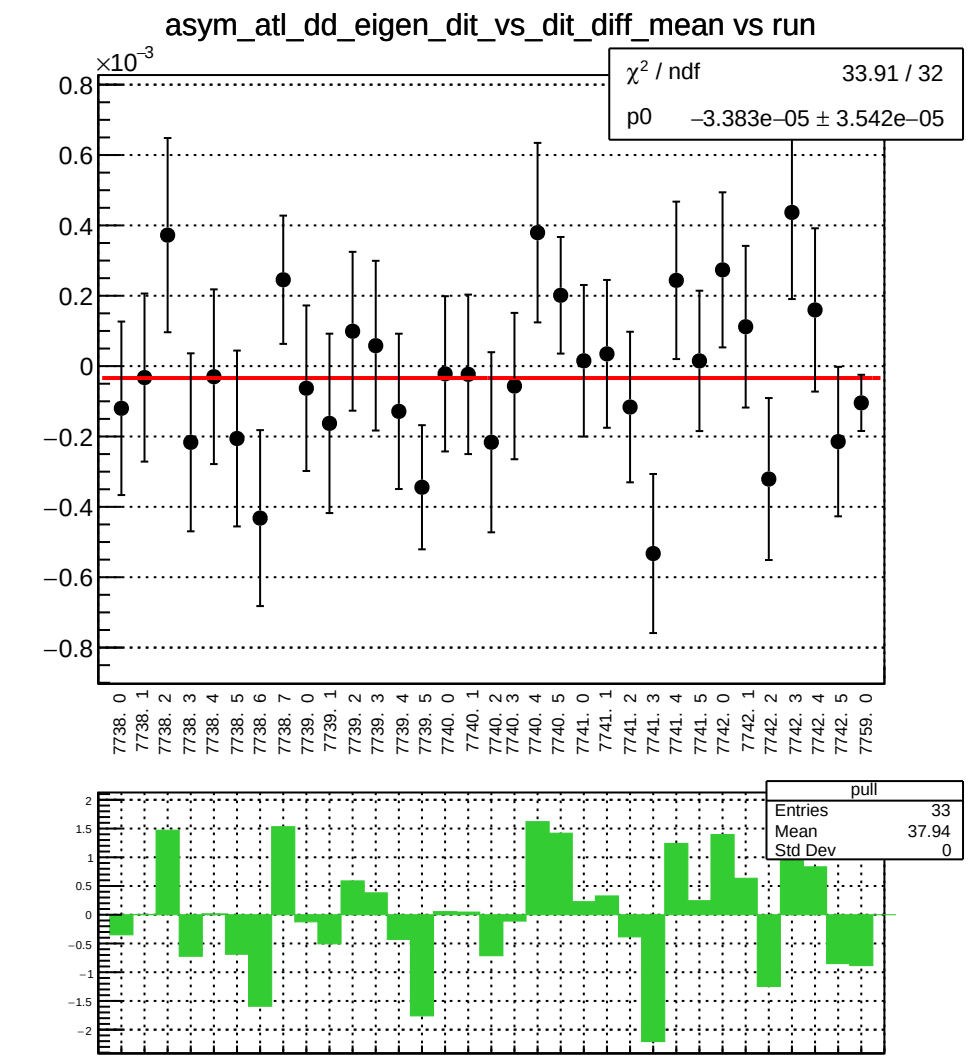

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.443e+05 / 32
p0 4.385e−10 ± 6.778e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

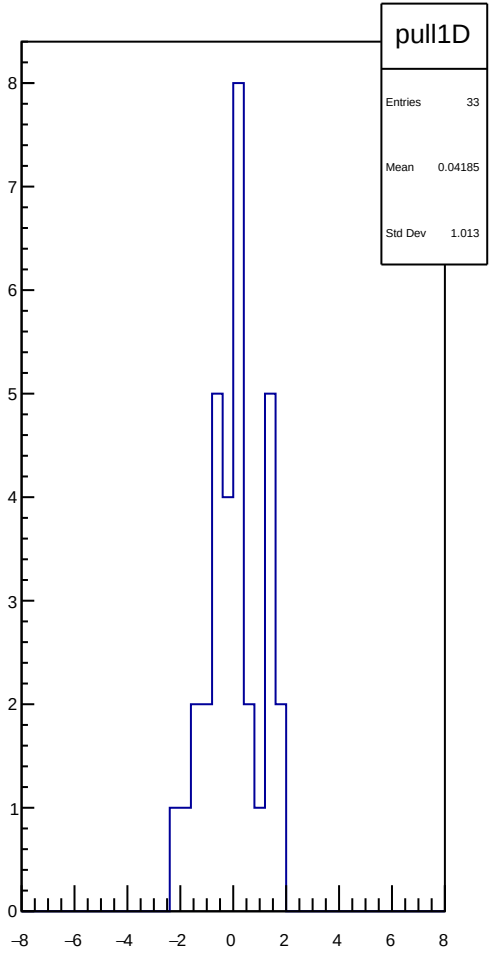

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 41.97 / 32
p0 0.1228 ± 0.1955
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.839
Std Dev 18.36
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01171
Std Dev 1.128
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

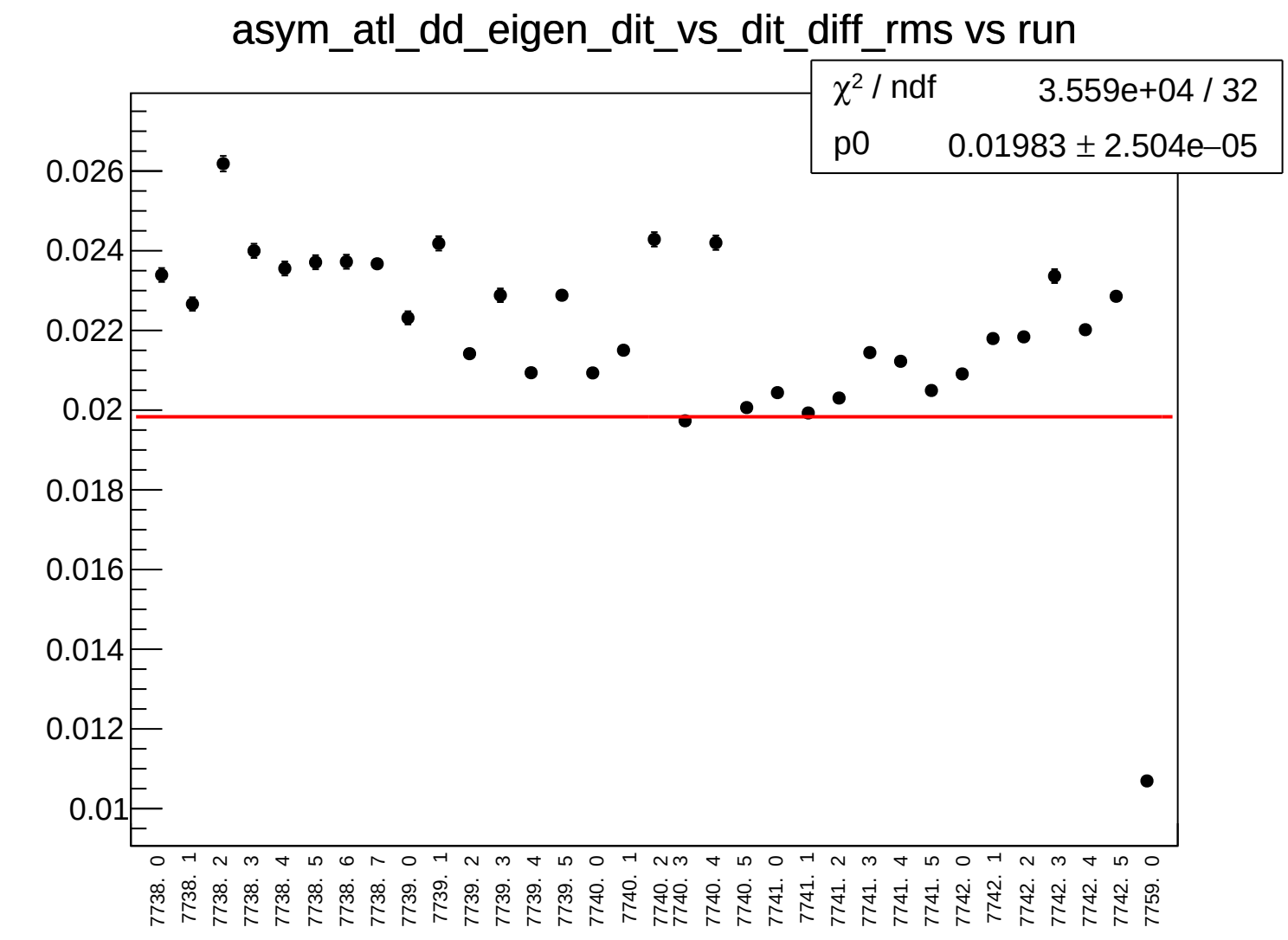

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.751e+04 / 32
p0 110.2 ± 0.1383
200
180
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

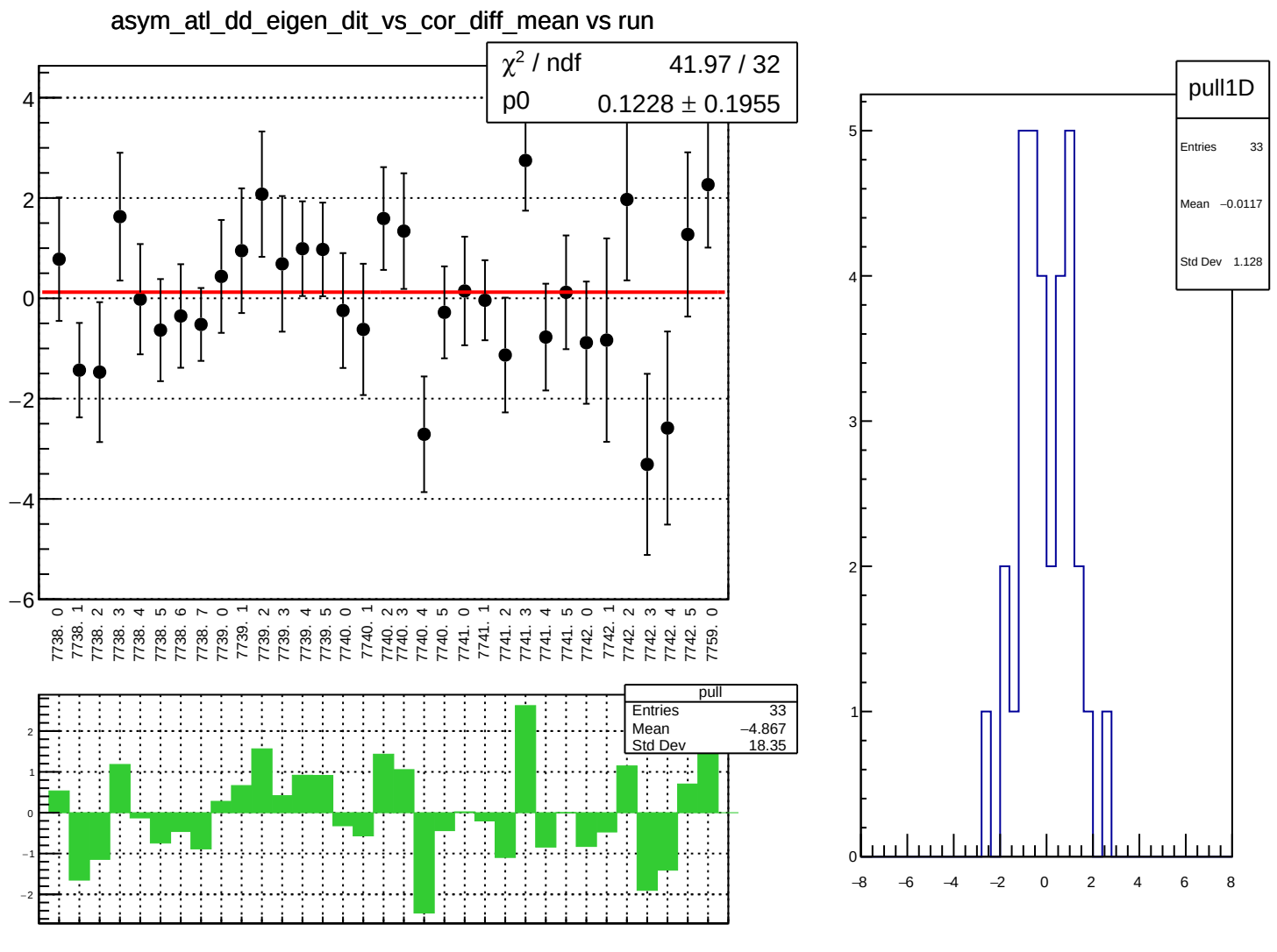

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.97 / 32
p0 0.1228 ± 0.1955
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.839
Std Dev 18.36
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01171
Std Dev 1.128
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

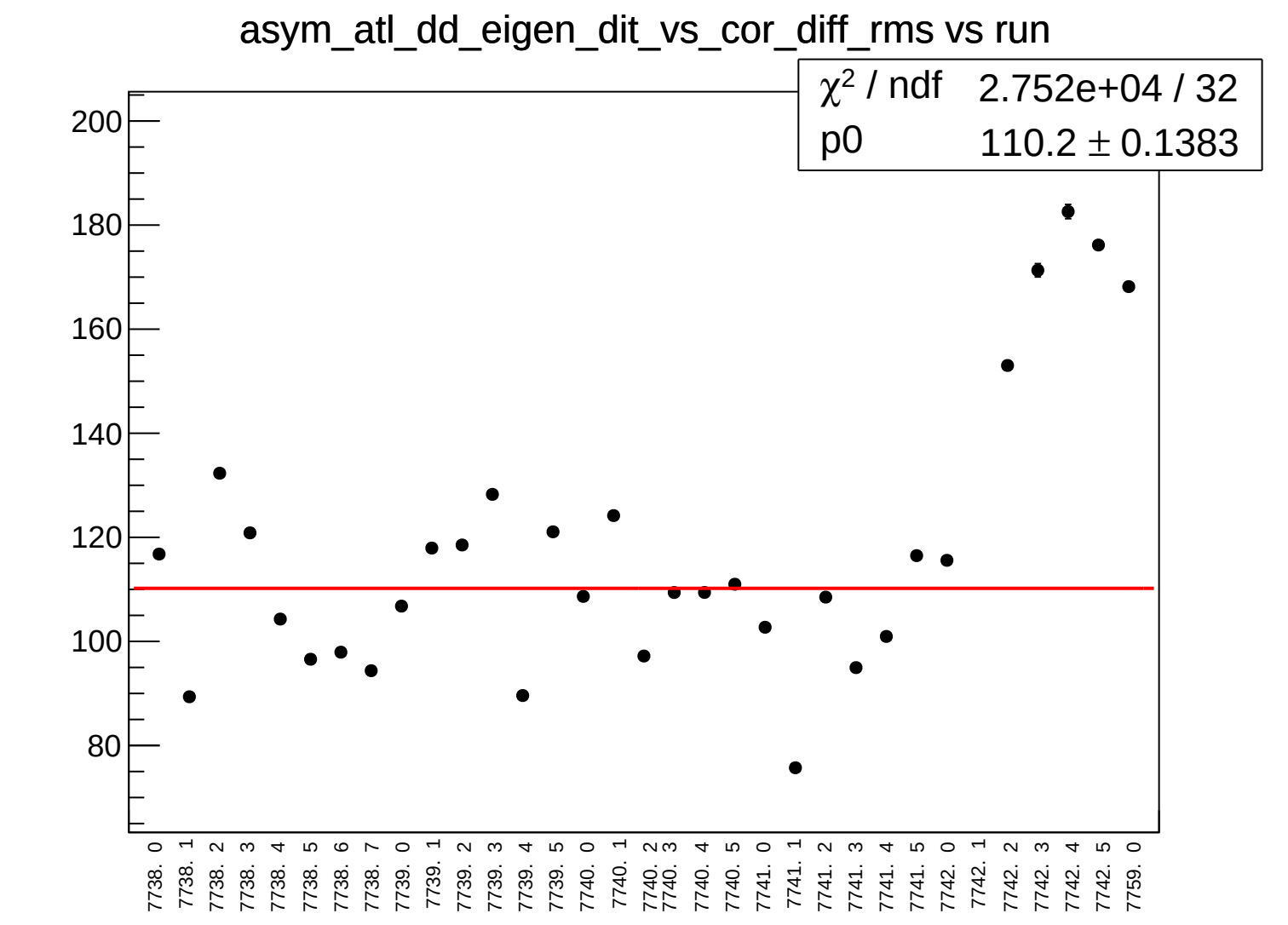

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.751e+04 / 32
p0 110.2 ± 0.1383
200
180
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

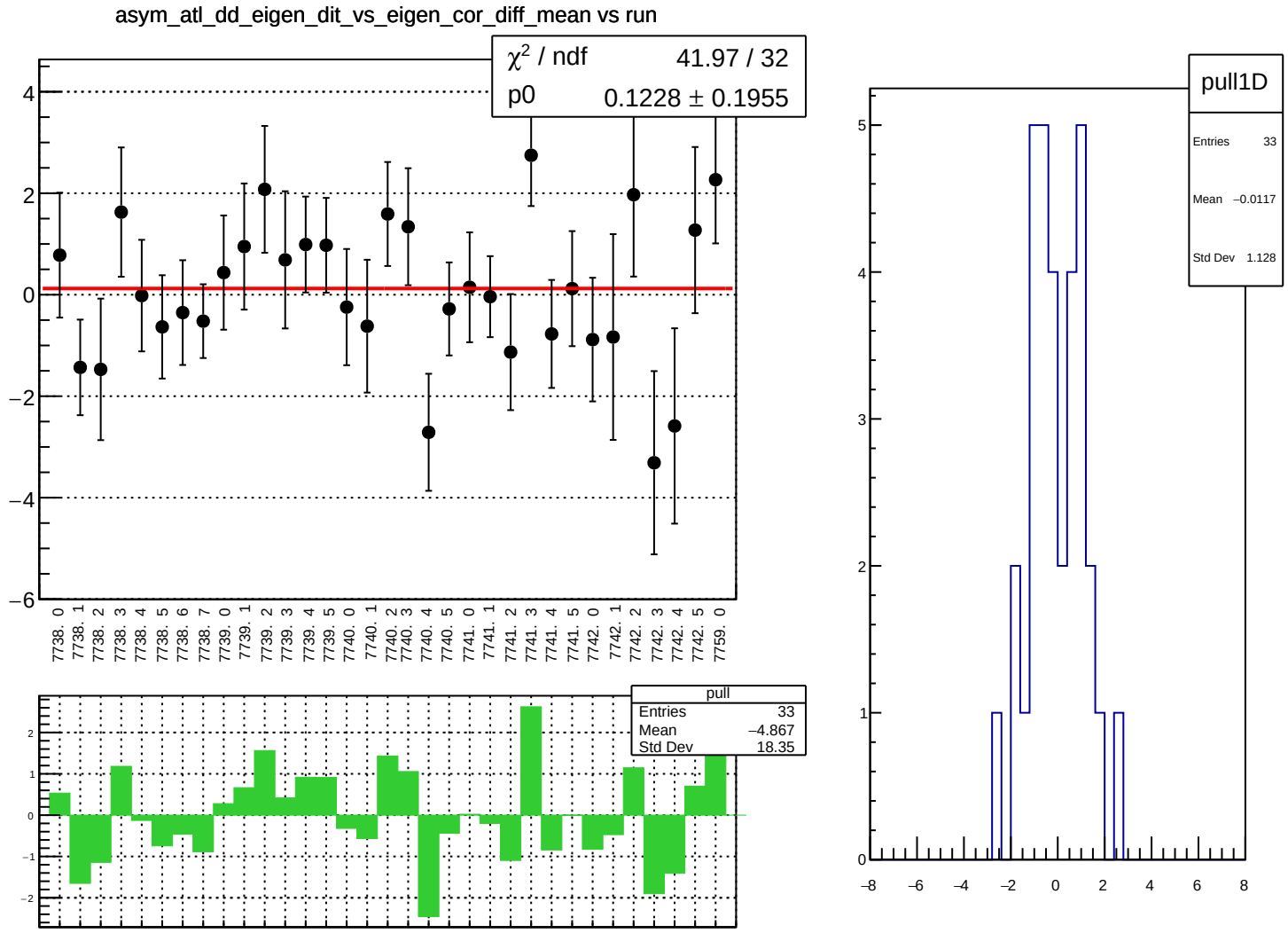

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.91 / 32
p0 −3.383e−05 ± 3.542e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 37.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

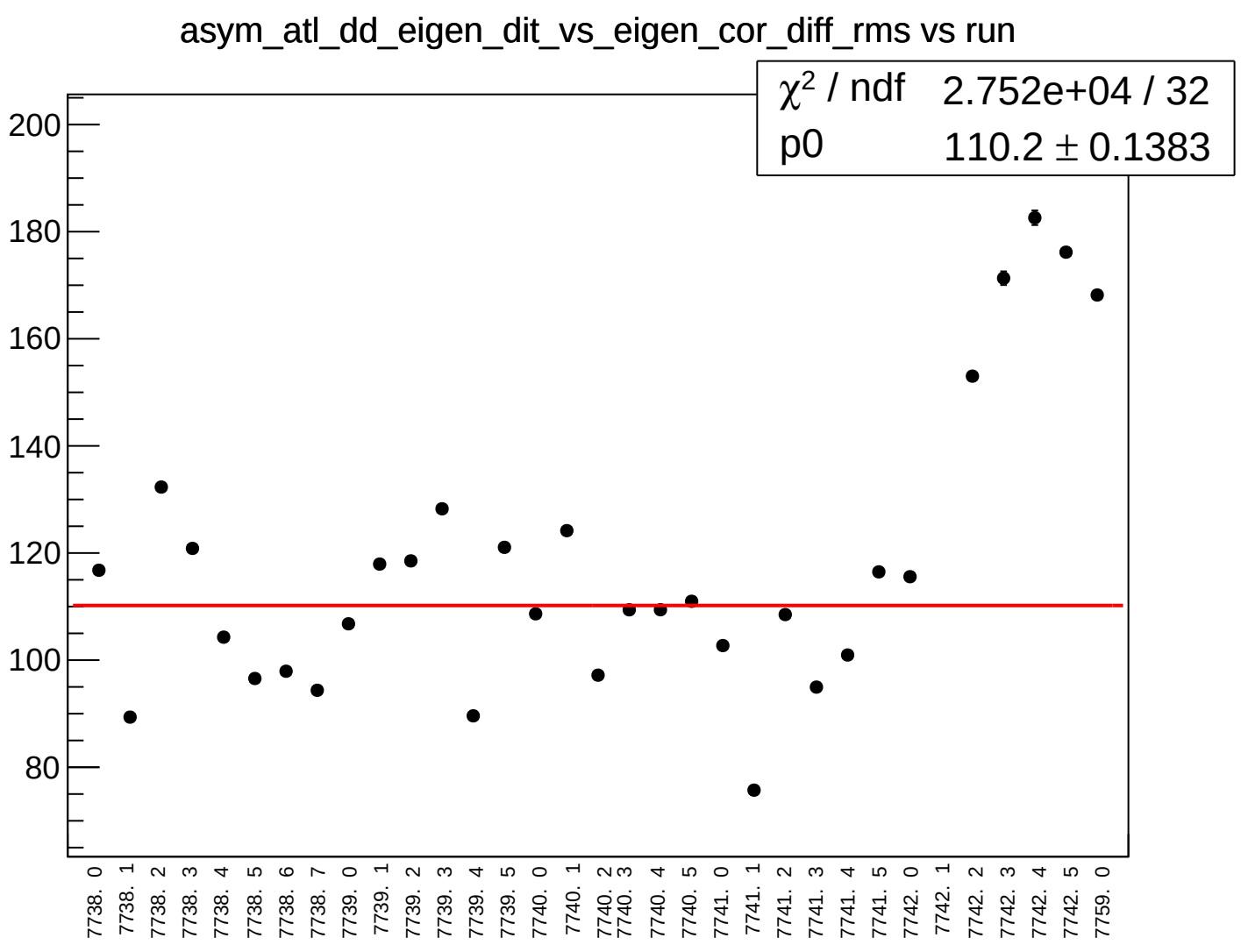

pull1D
Entries 33
Mean 0.04185
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

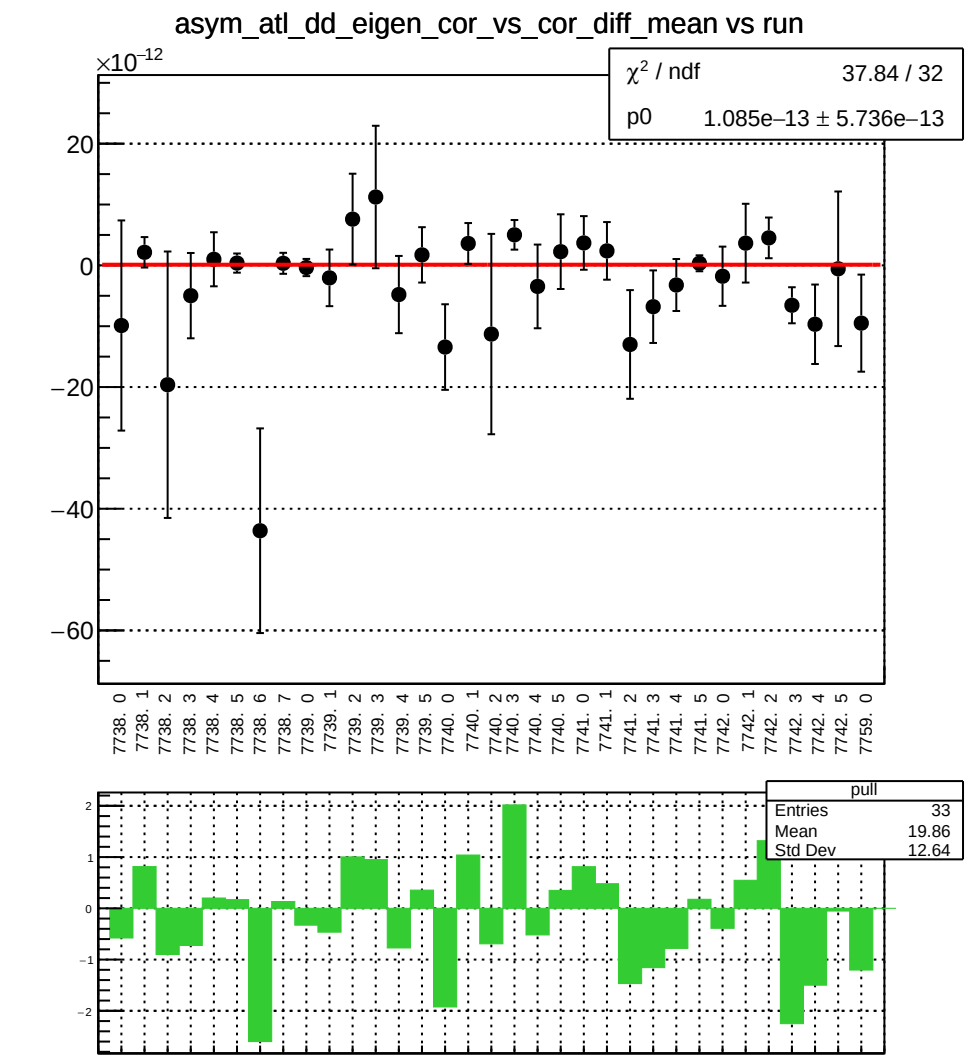

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.559e+04 / 32
p0 0.01983 ± 2.504e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

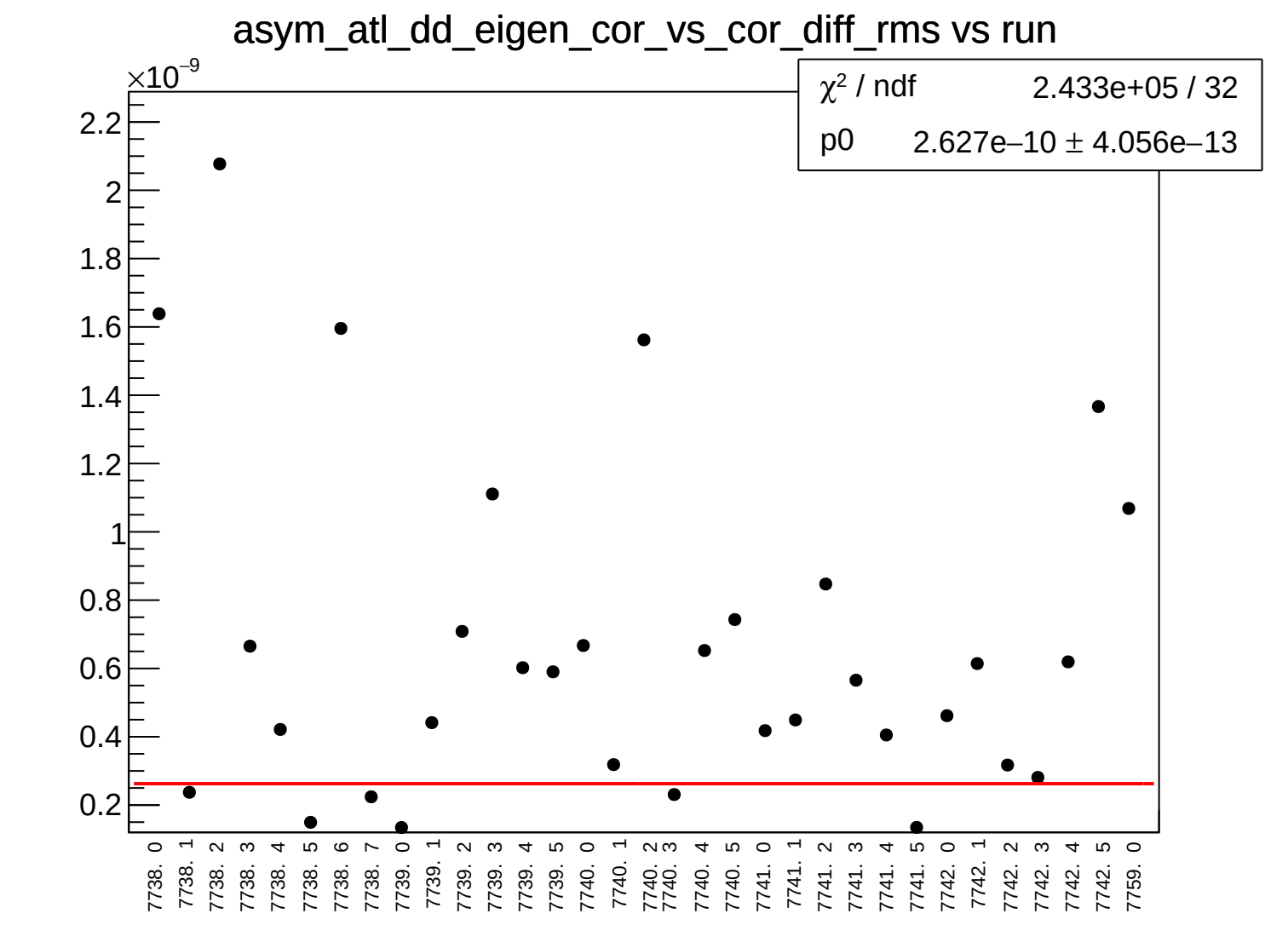

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.97 / 32
p0 0.1228 ± 0.1955
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.867
Std Dev 18.35
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0117
Std Dev 1.128
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

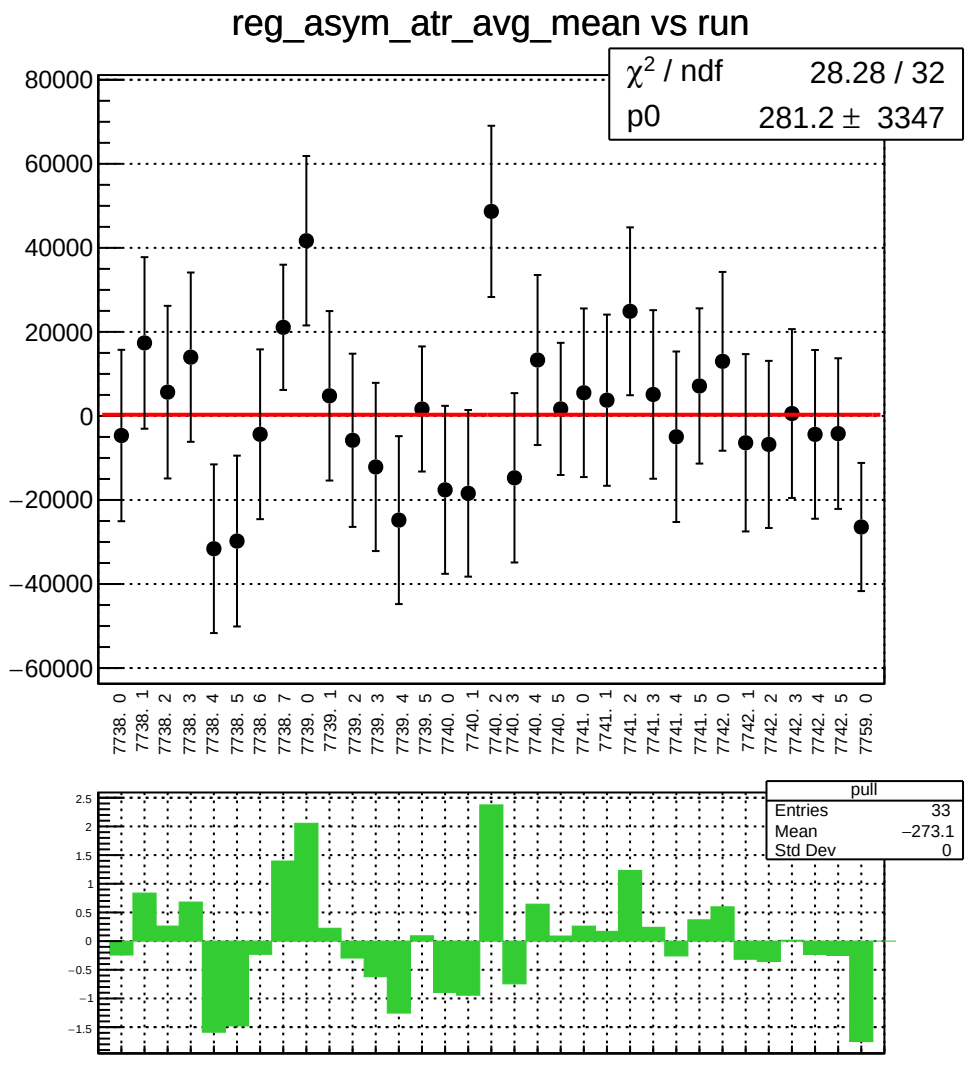

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.752e+04 / 32
p0 110.2 ± 0.1383
200
180
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

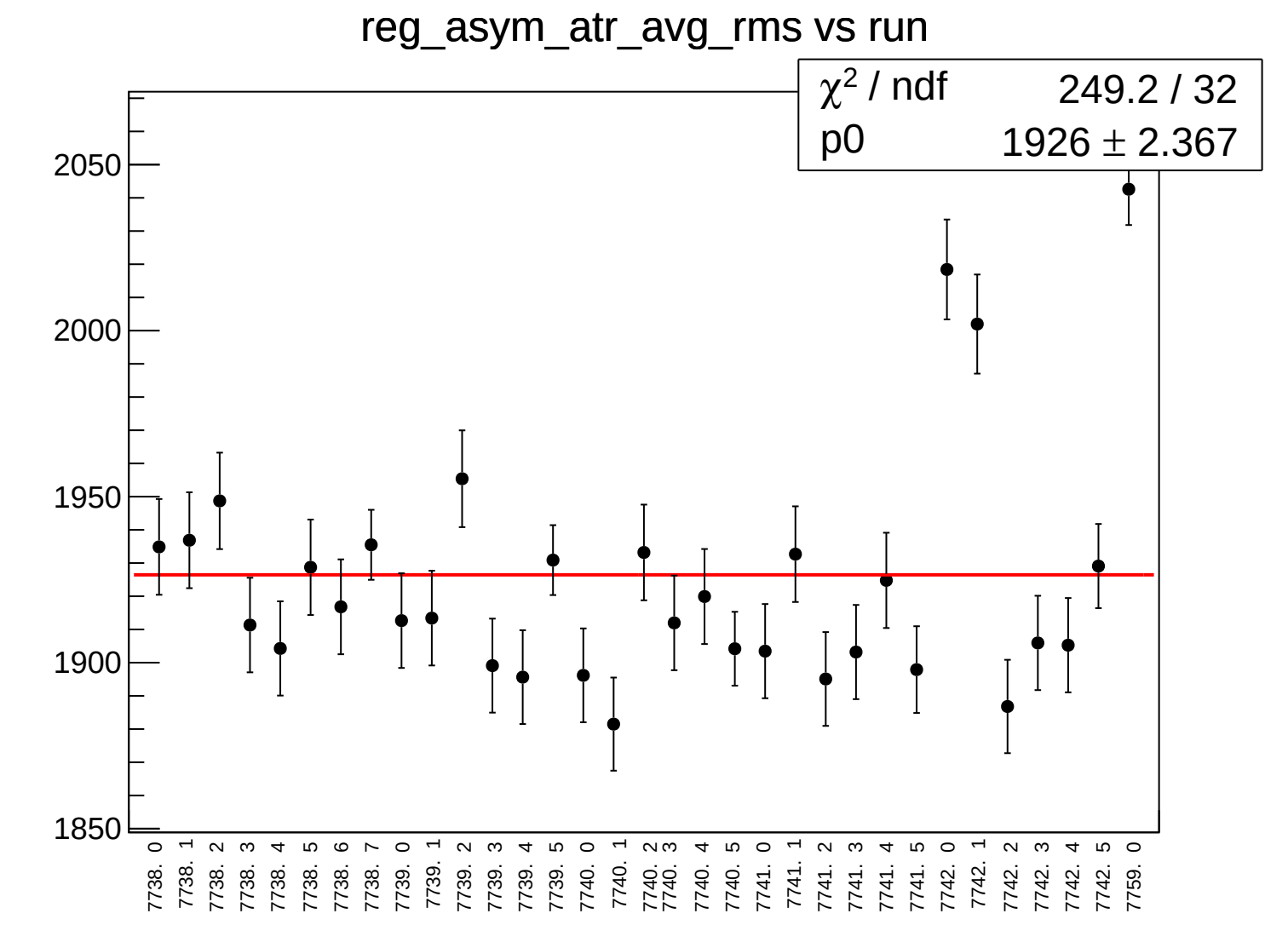

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.97 / 32
p0 0.1228 ± 0.1955
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.867
Std Dev 18.35
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0117
Std Dev 1.128
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

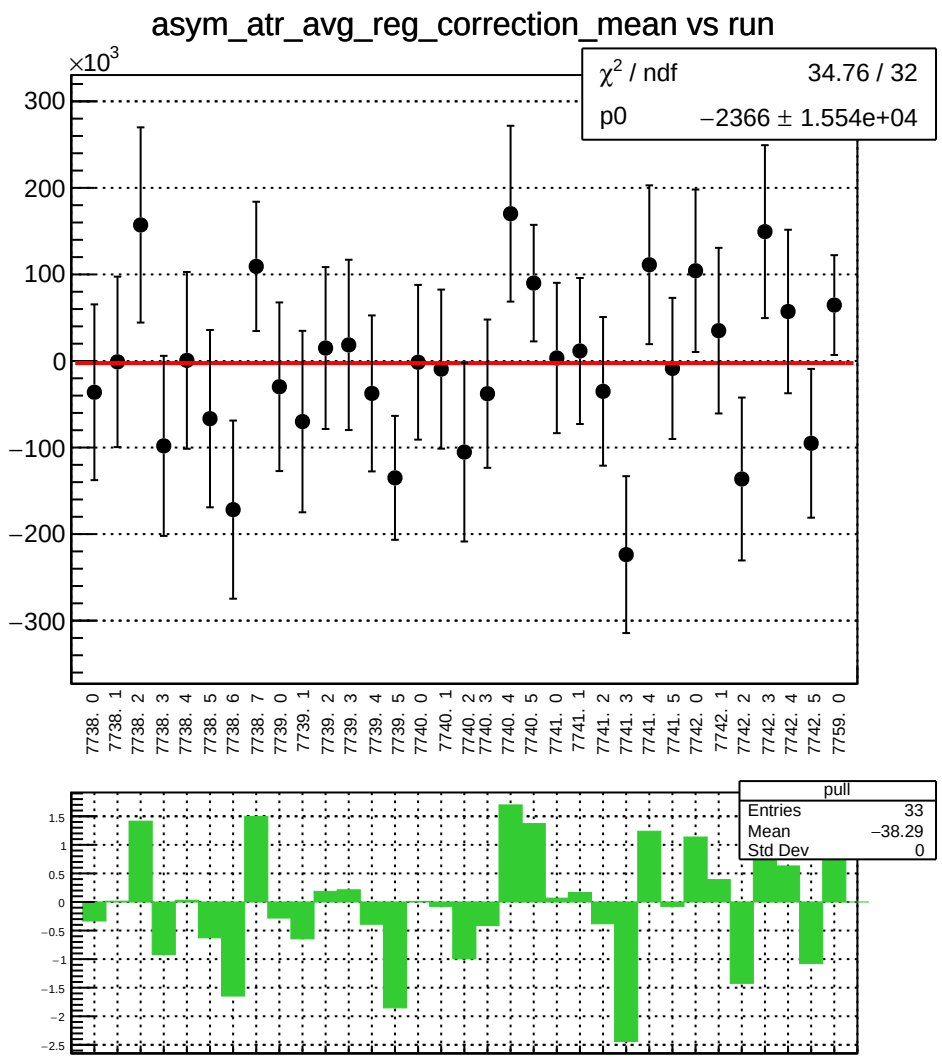

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.752e+04 / 32
p0 110.2 ± 0.1383
200
180
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

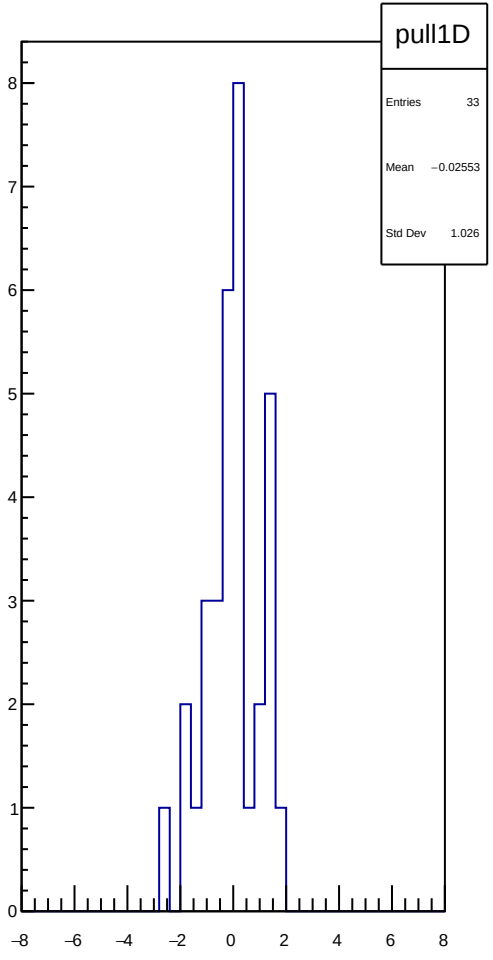

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.84 / 32
p0 1.085e−13 ± 5.736e−13
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.86
Std Dev 12.64
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.2406
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

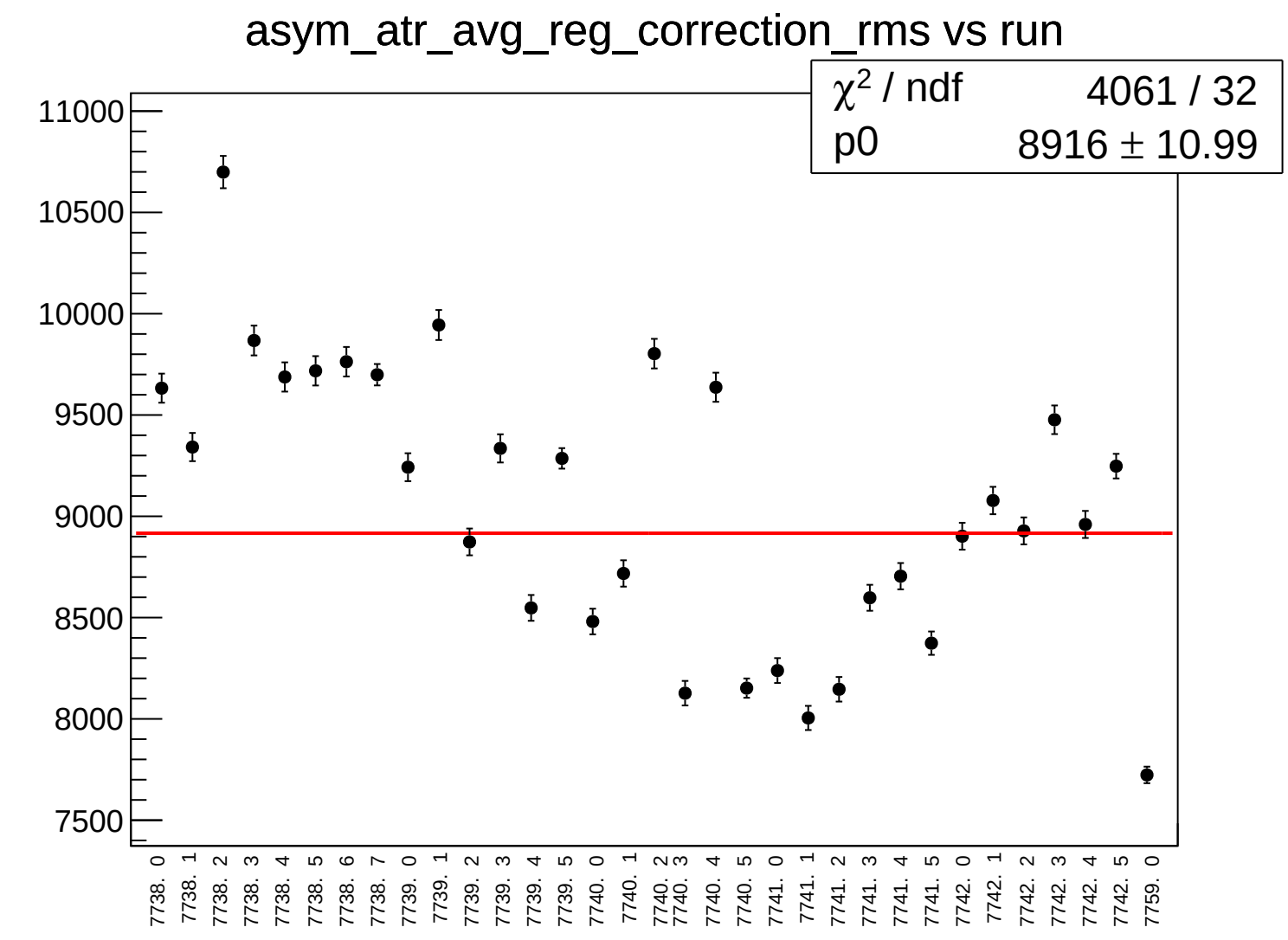

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.433e+05 / 32
p0 2.627e−10 ± 4.056e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

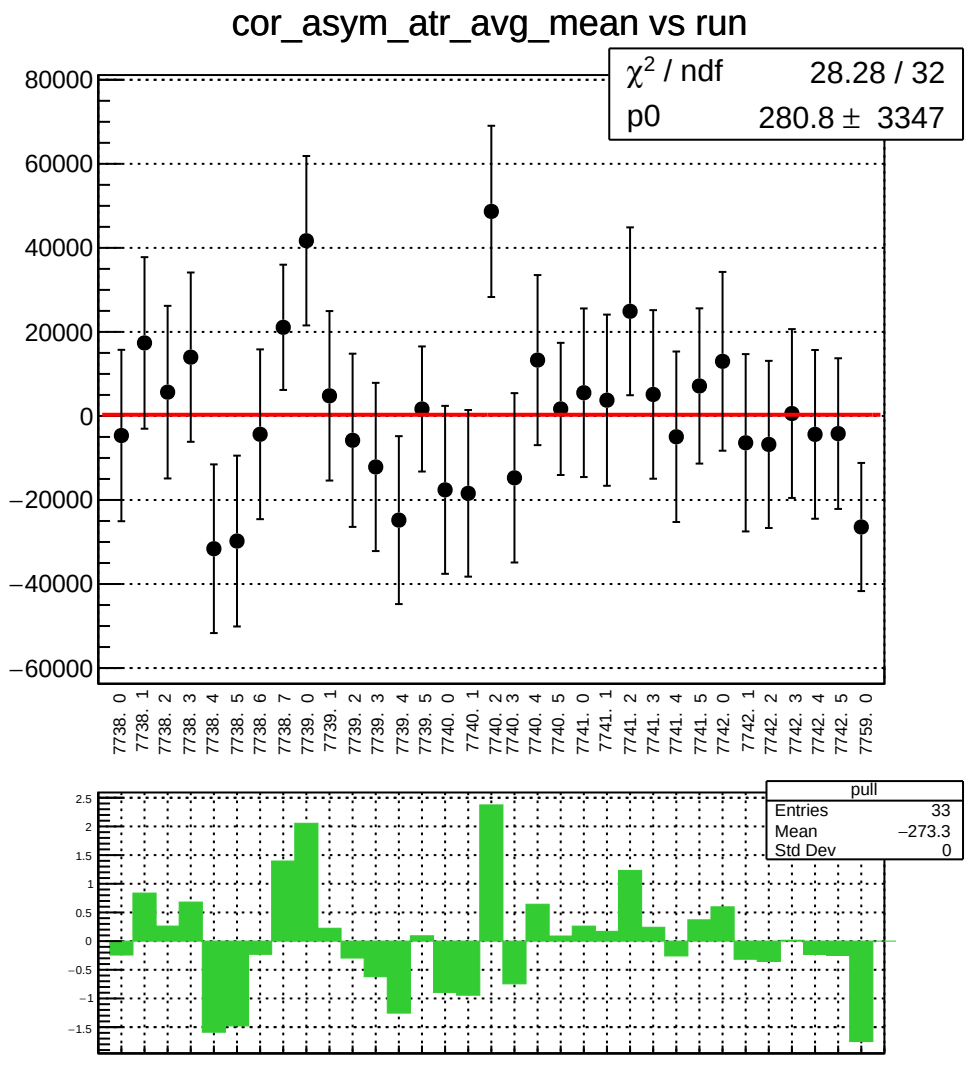

reg_asym_atr_avg_mean vs run
χ² / ndf 28.28 / 32
p0 281.2 ± 3347
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −273.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.002651
Std Dev 0.9258
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

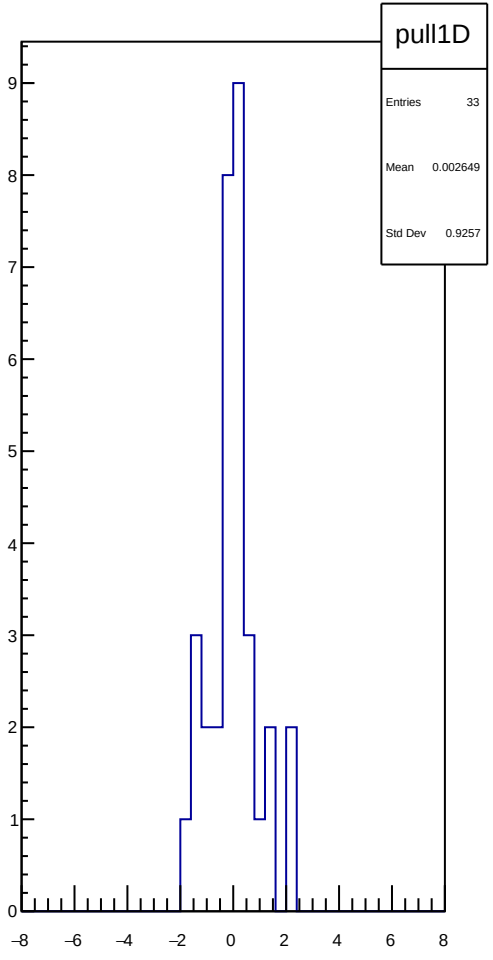

reg_asym_atr_avg_rms vs run
χ² / ndf 249.2 / 32
p0 1926 ± 2.367
2050
2000
1950
1900
1850
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

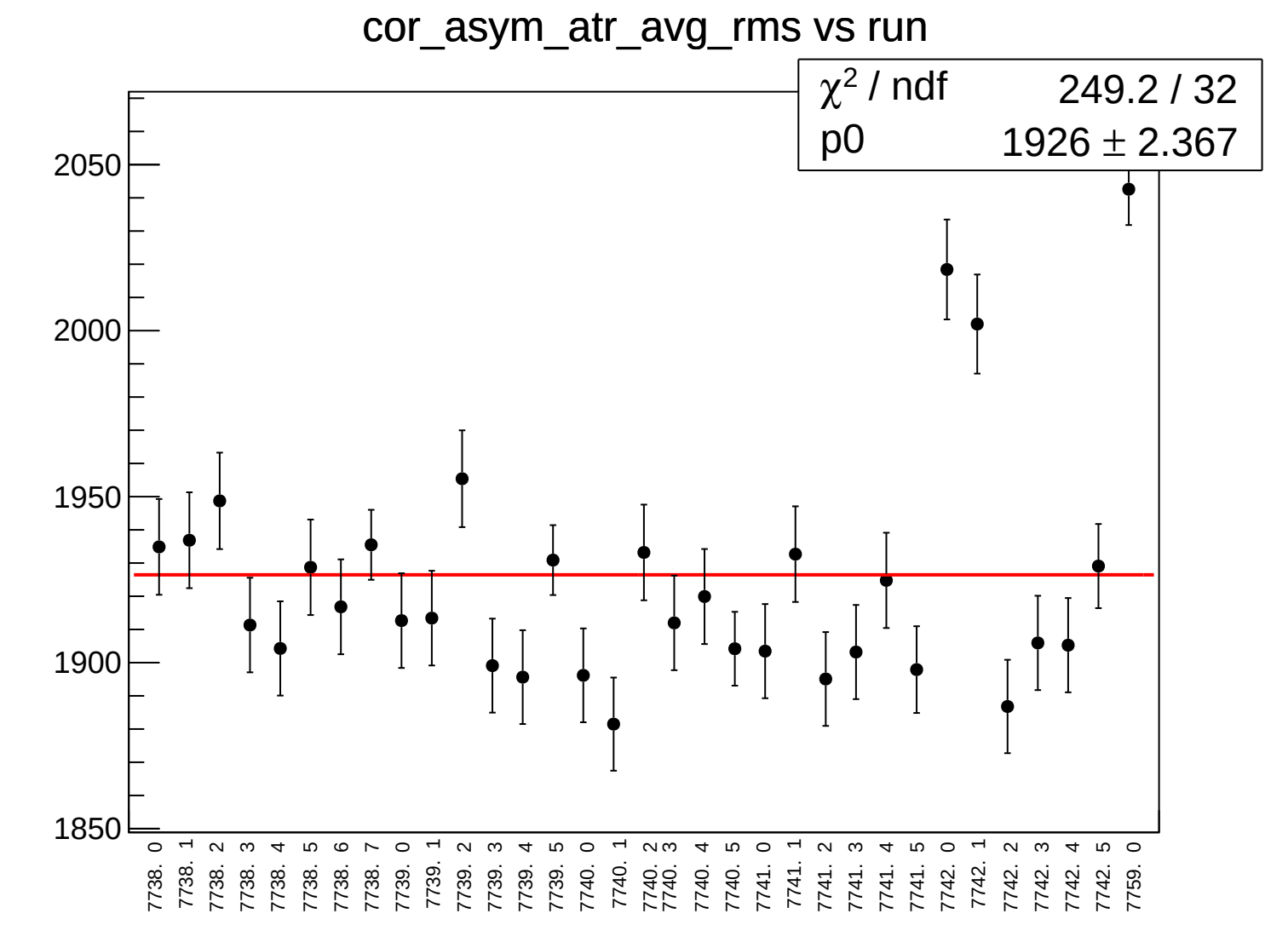

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.76 / 32
p0 −2366 ± 1.554e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

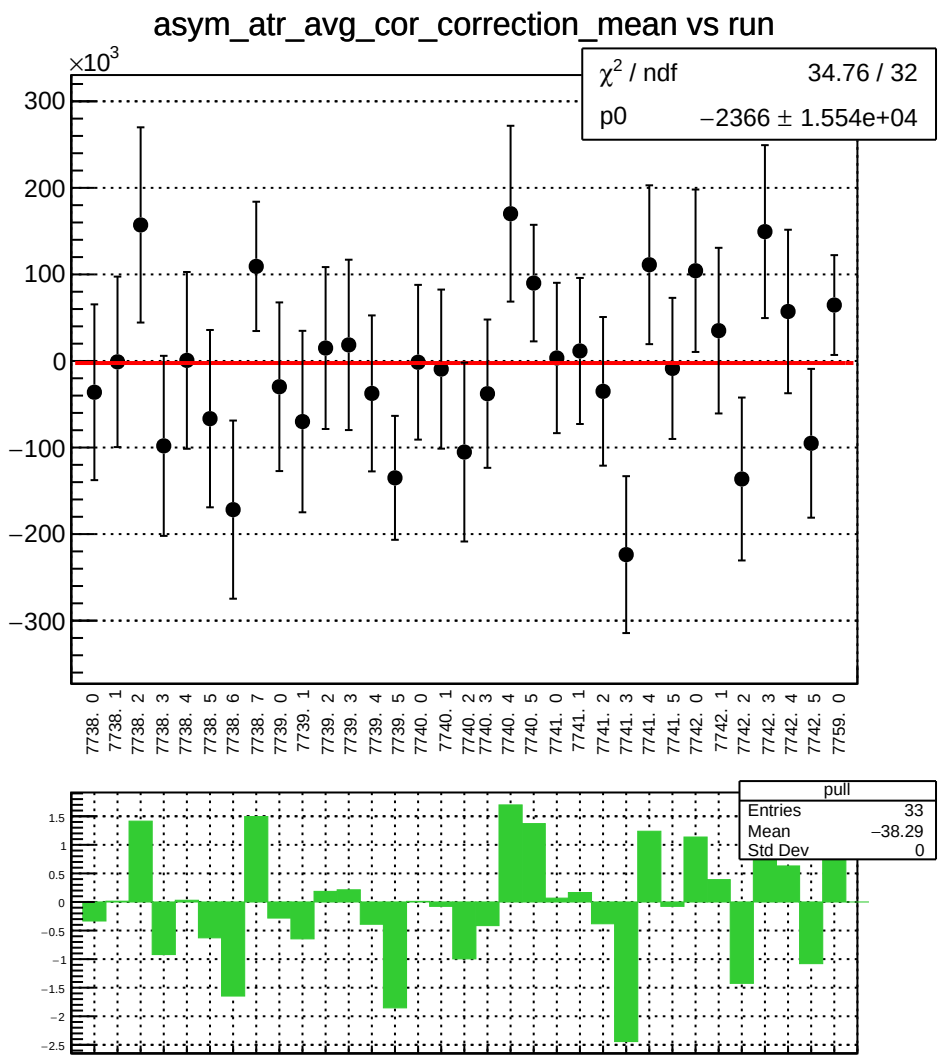

pull1D
Entries 33
Mean −0.02553
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

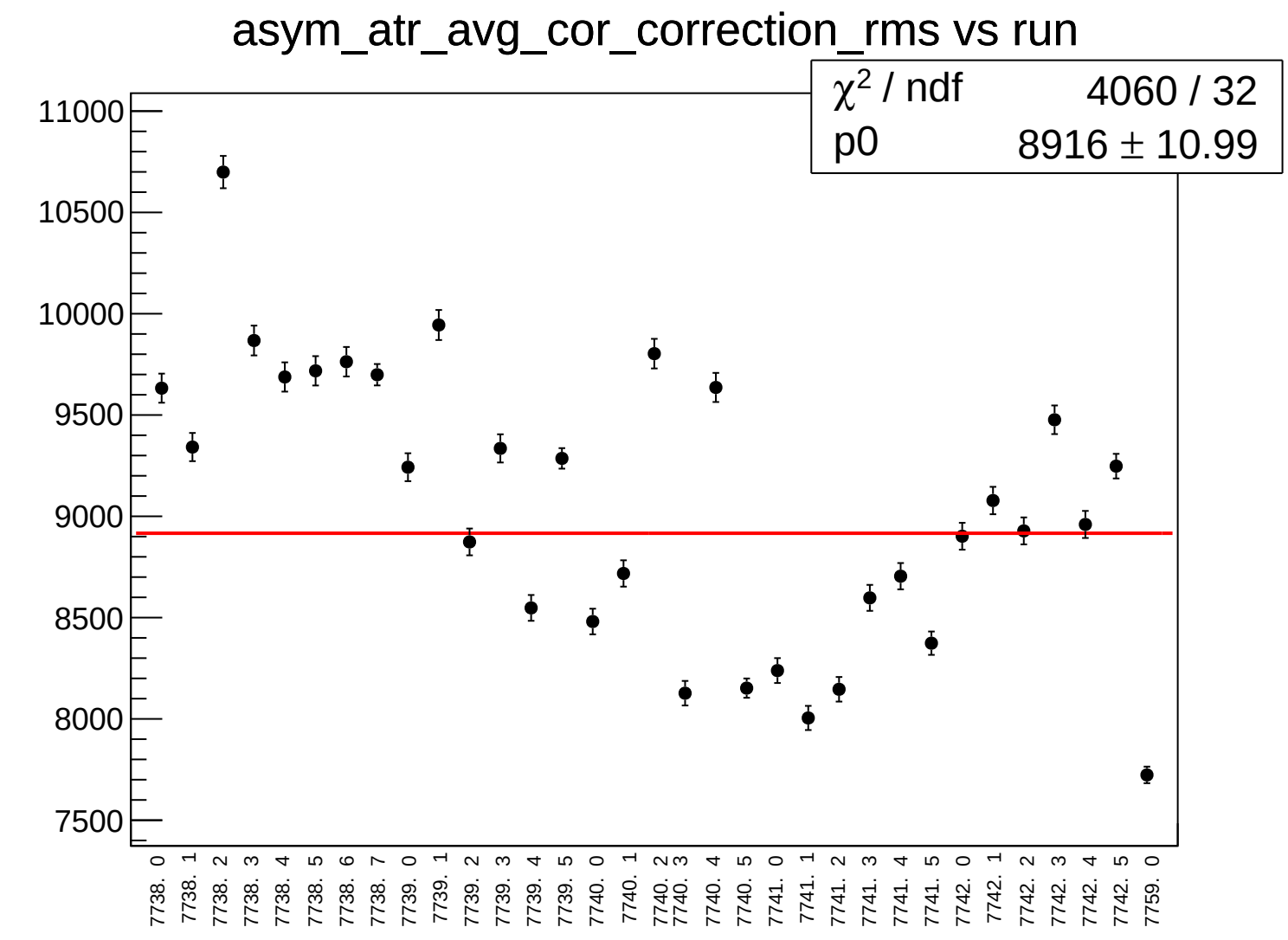

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 4061 / 32
p0 8916 ± 10.99
11000
10500
10000
9500
9000
8500
8000
7500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

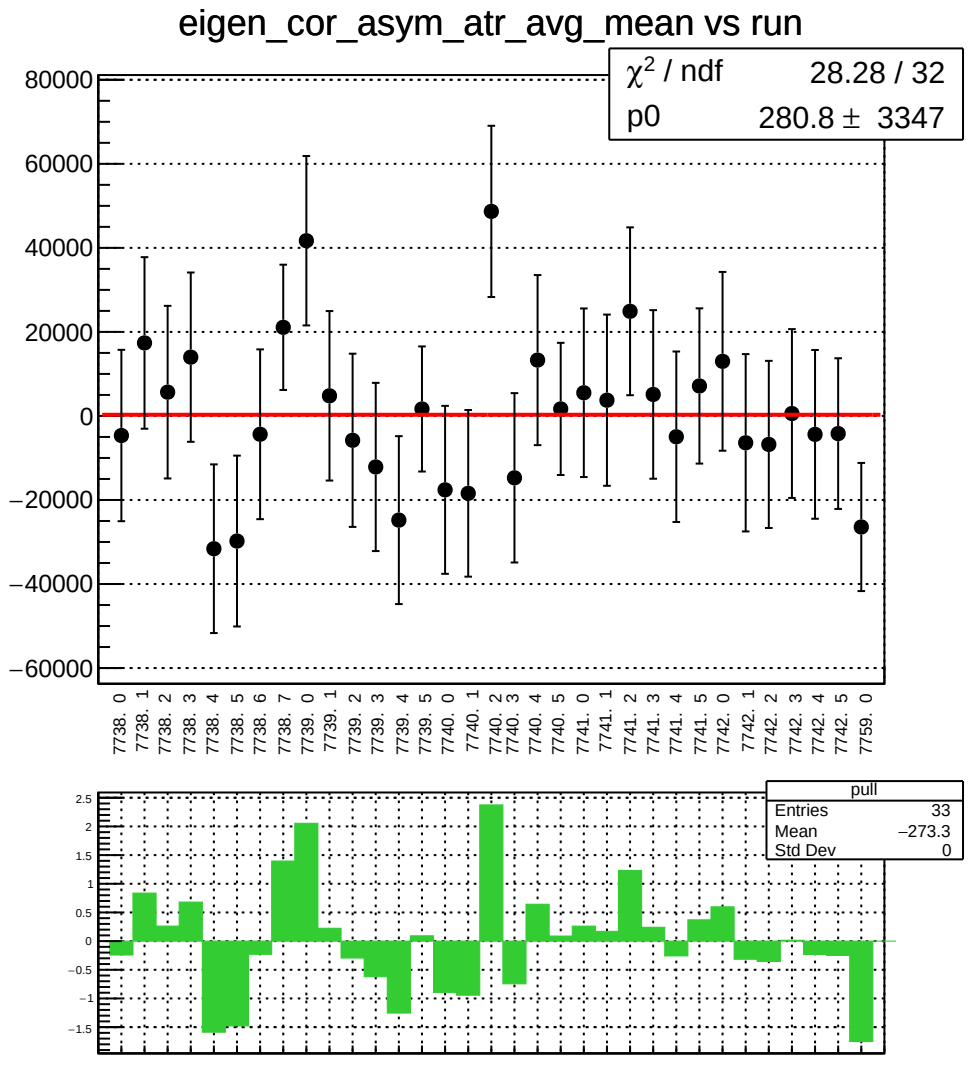

cor_asym_atr_avg_mean vs run
χ² / ndf 28.28 / 32
p0 280.8 ± 3347
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −273.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

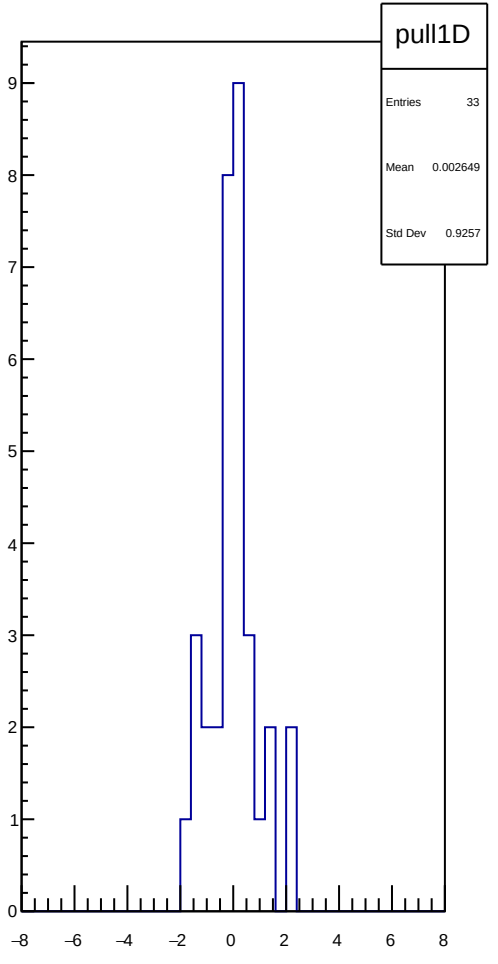

pull1D
Entries 33
Mean 0.002649
Std Dev 0.9257
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

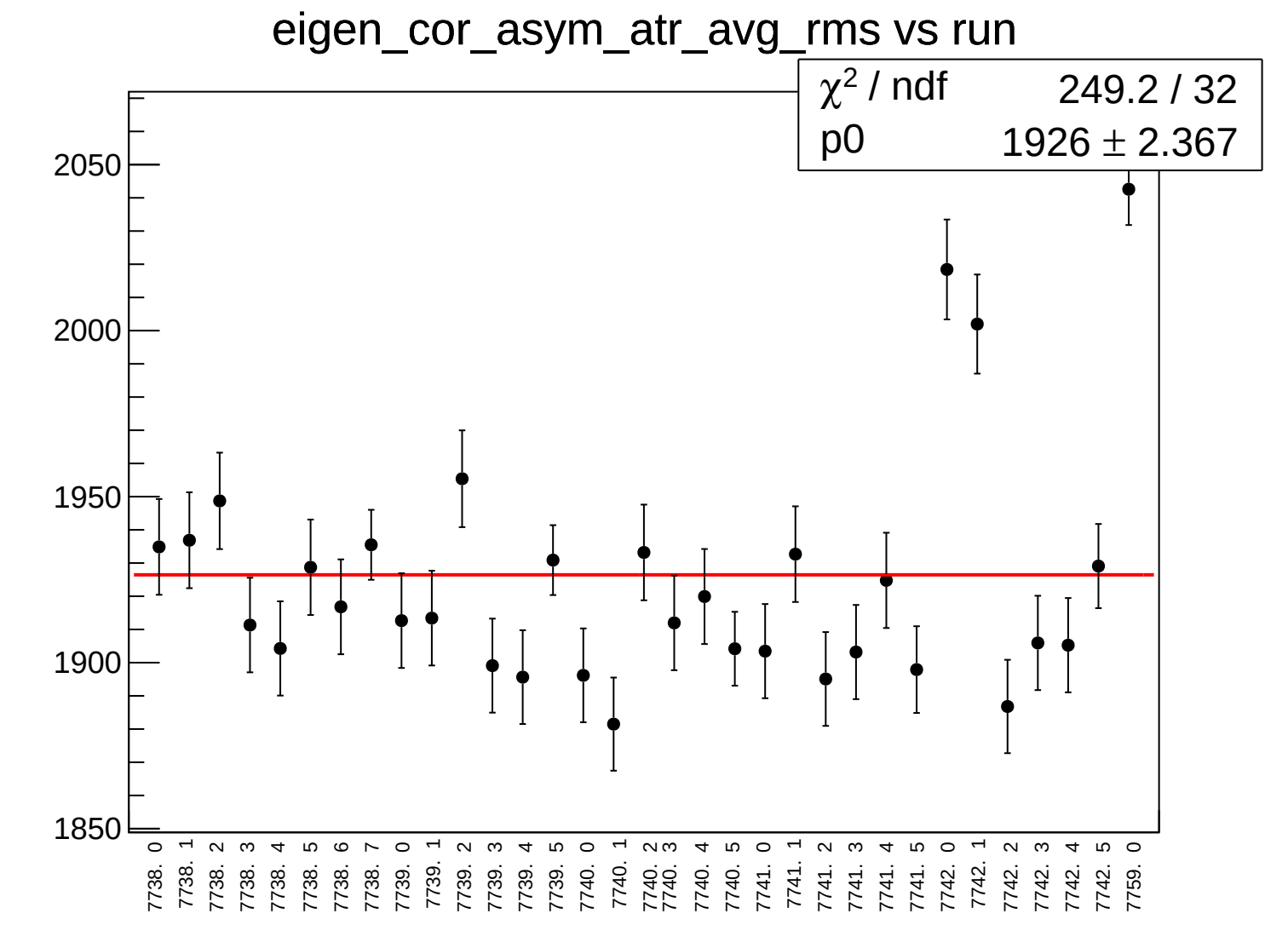

cor_asym_atr_avg_rms vs run
χ^2 / ndf 249.2 / 32
p0 1926 ± 2.367
2050
2000
1950
1900
1850
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

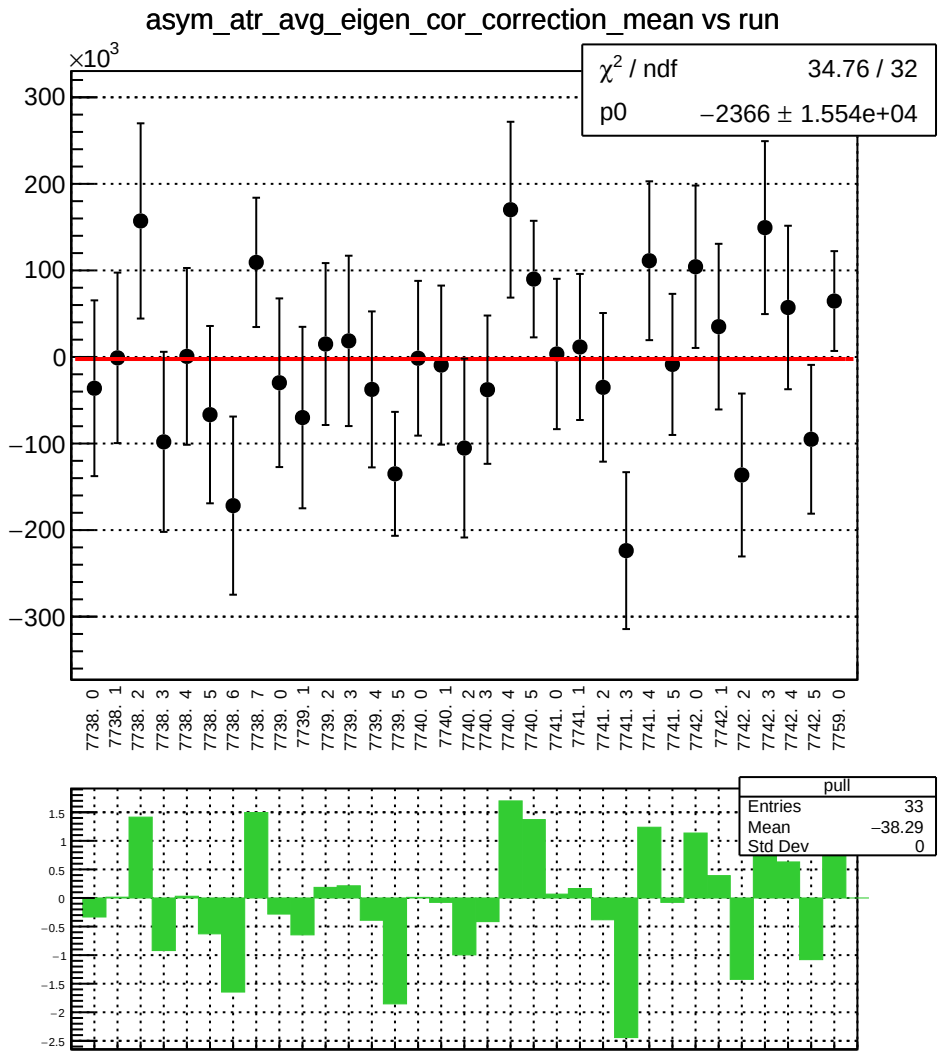

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.76 / 32
p0 −2366 ± 1.554e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.02553
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

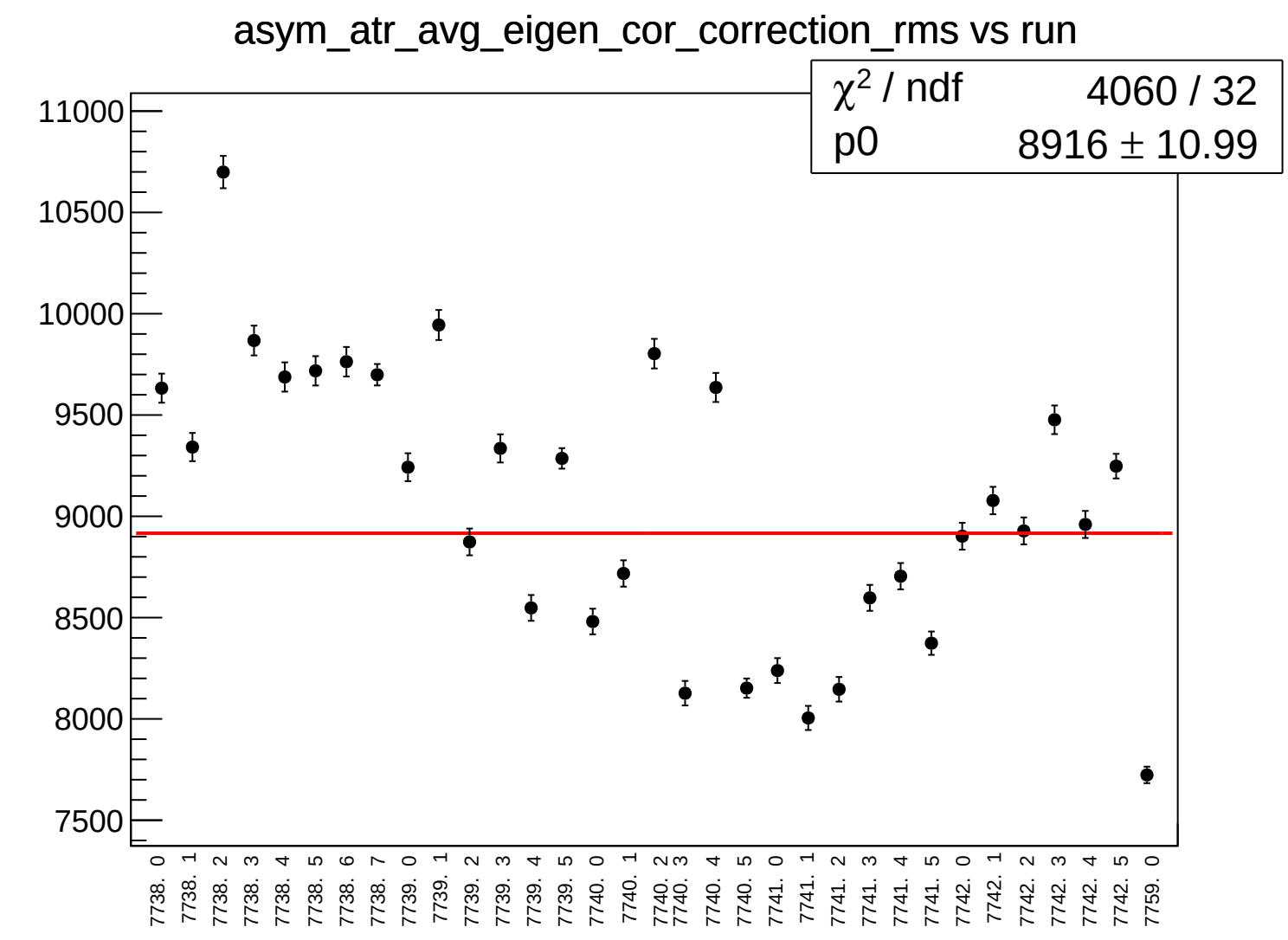

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 4060 / 32
p0 8916 ± 10.99
11000
10500
10000
9500
9000
8500
8000
7500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

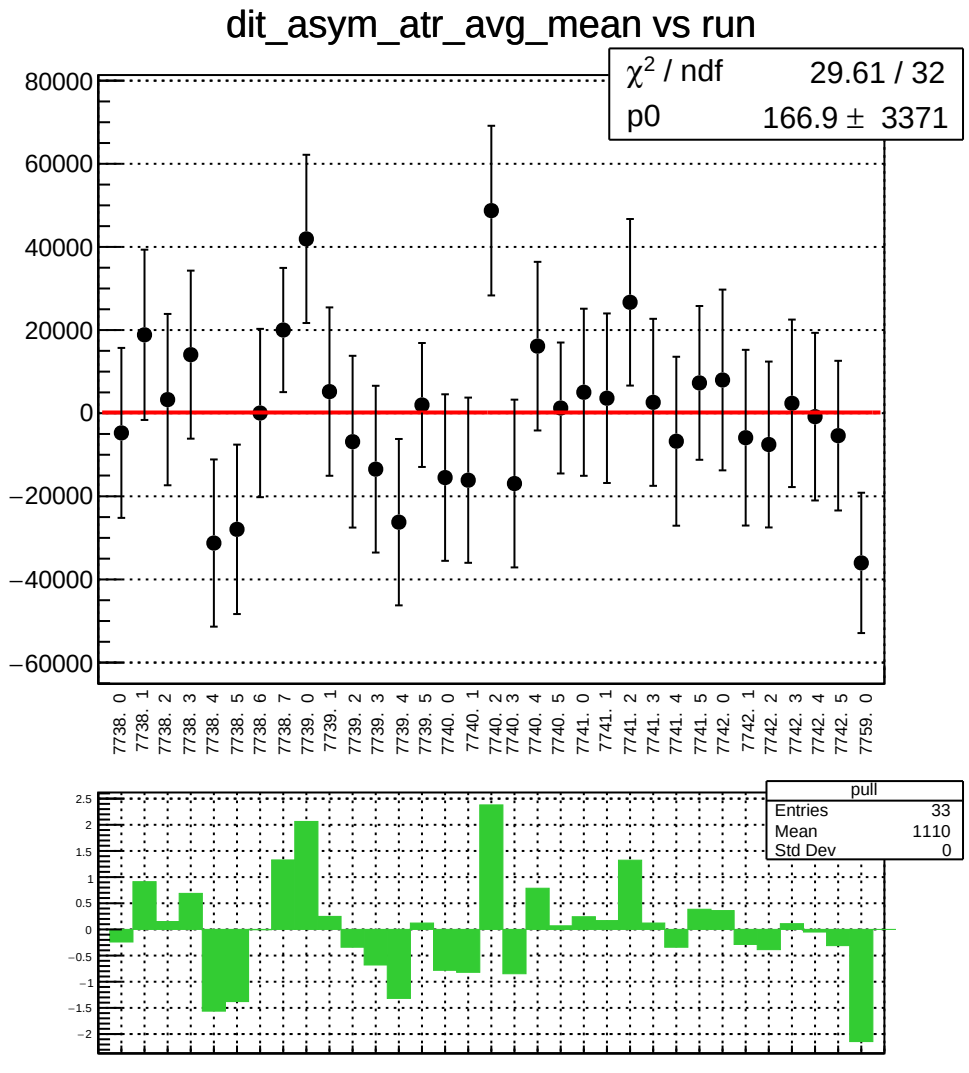

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 28.28 / 32
p0 280.8 ± 3347
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −273.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

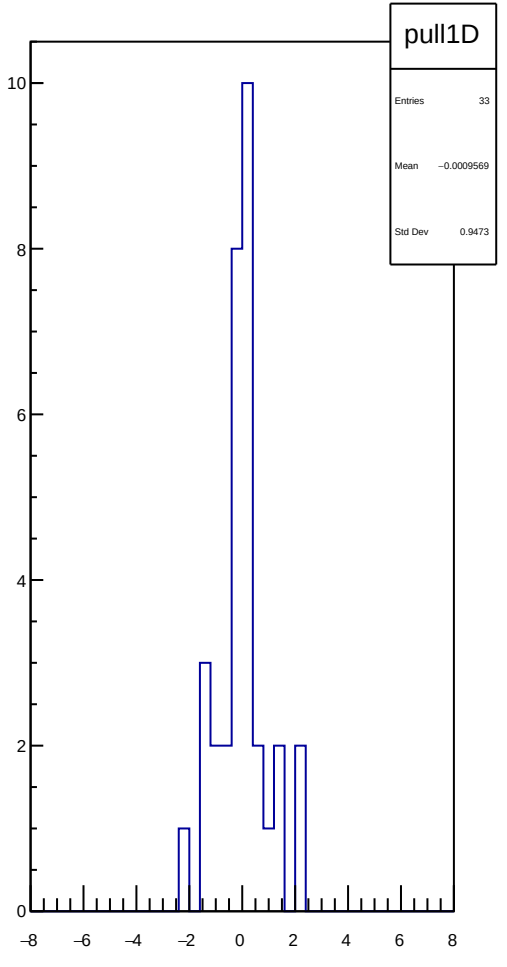

pull1D
Entries 33
Mean 0.002649
Std Dev 0.9257
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

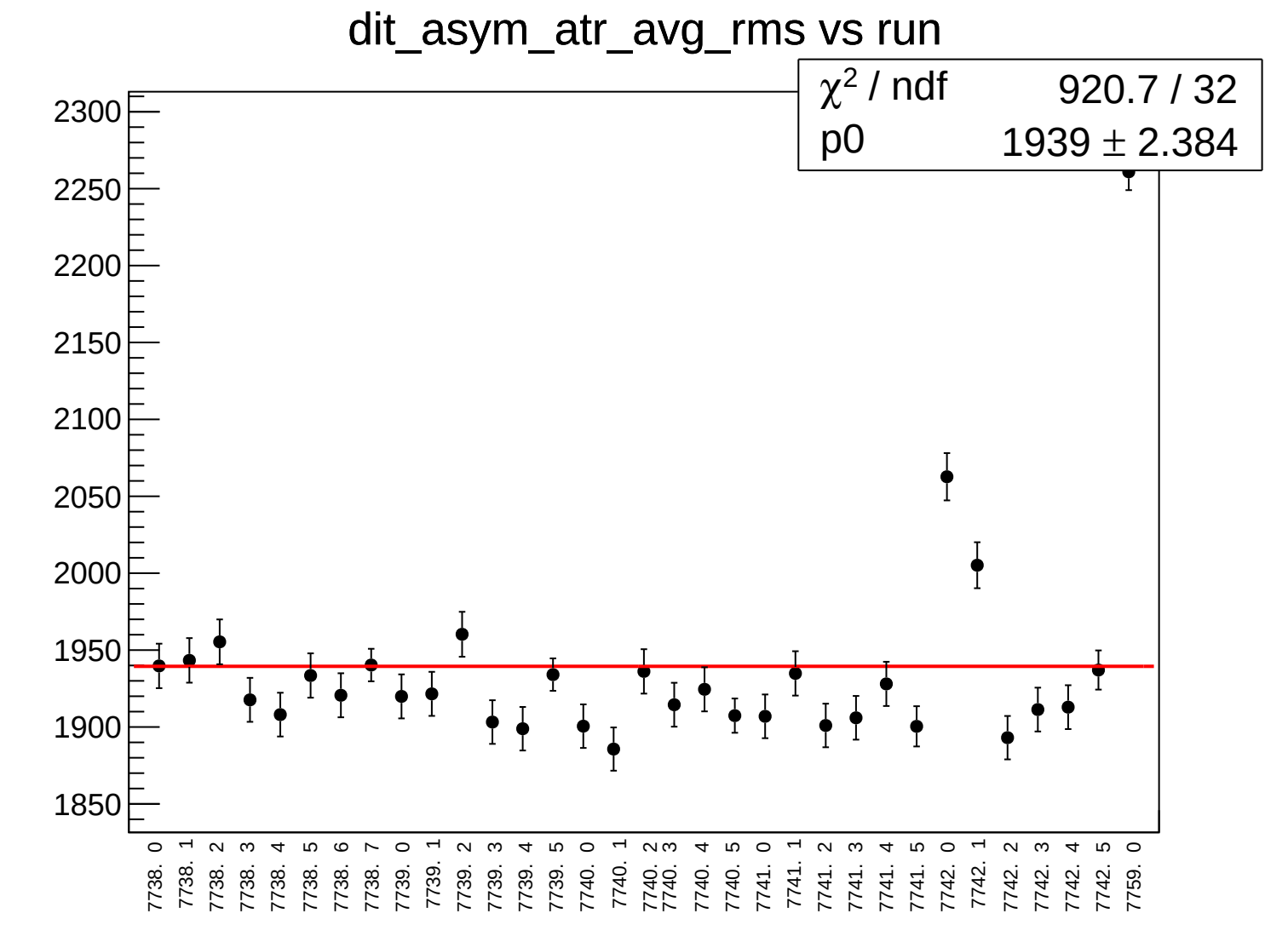

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 249.2 / 32
p0 1926 ± 2.367
2050
2000
1950
1900
1850
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

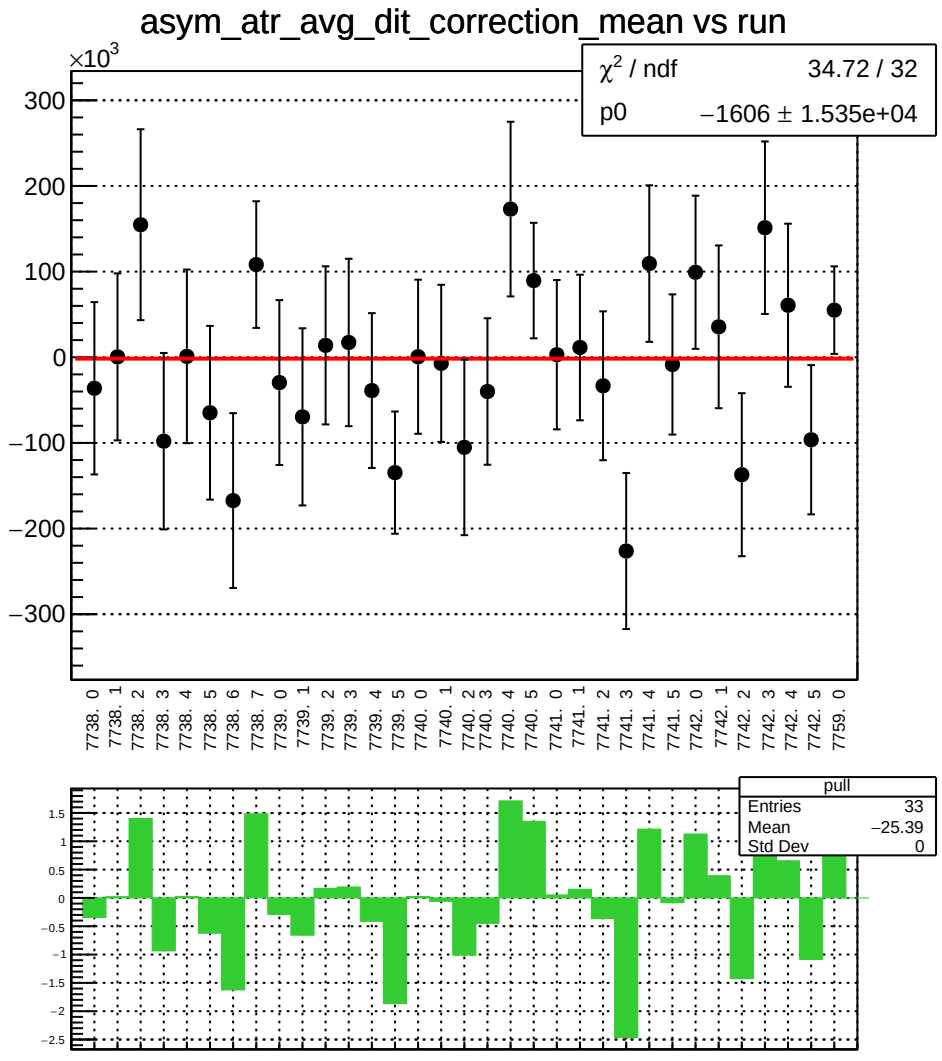

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.76 / 32
p0 −2366 ± 1.554e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.02553
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

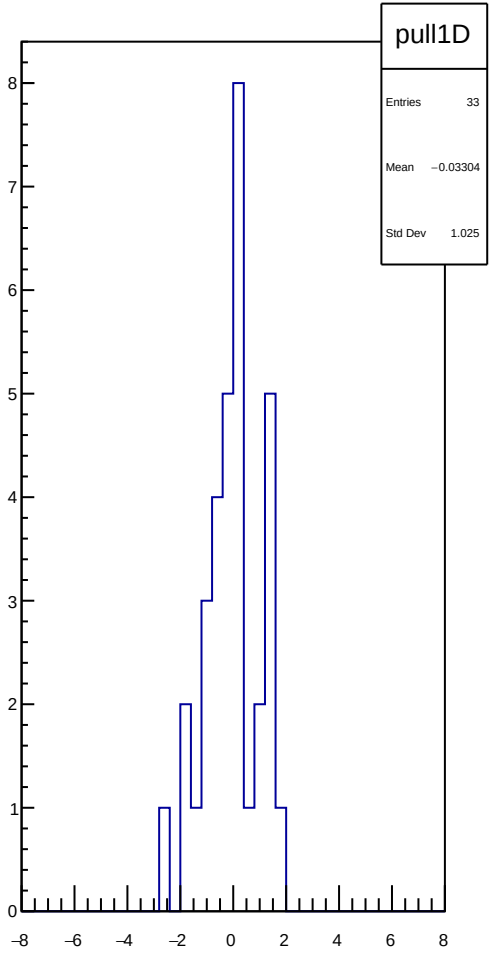

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 4060 / 32
p0 8916 ± 10.99
11000
10500
10000
9500
9000
8500
8000
7500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

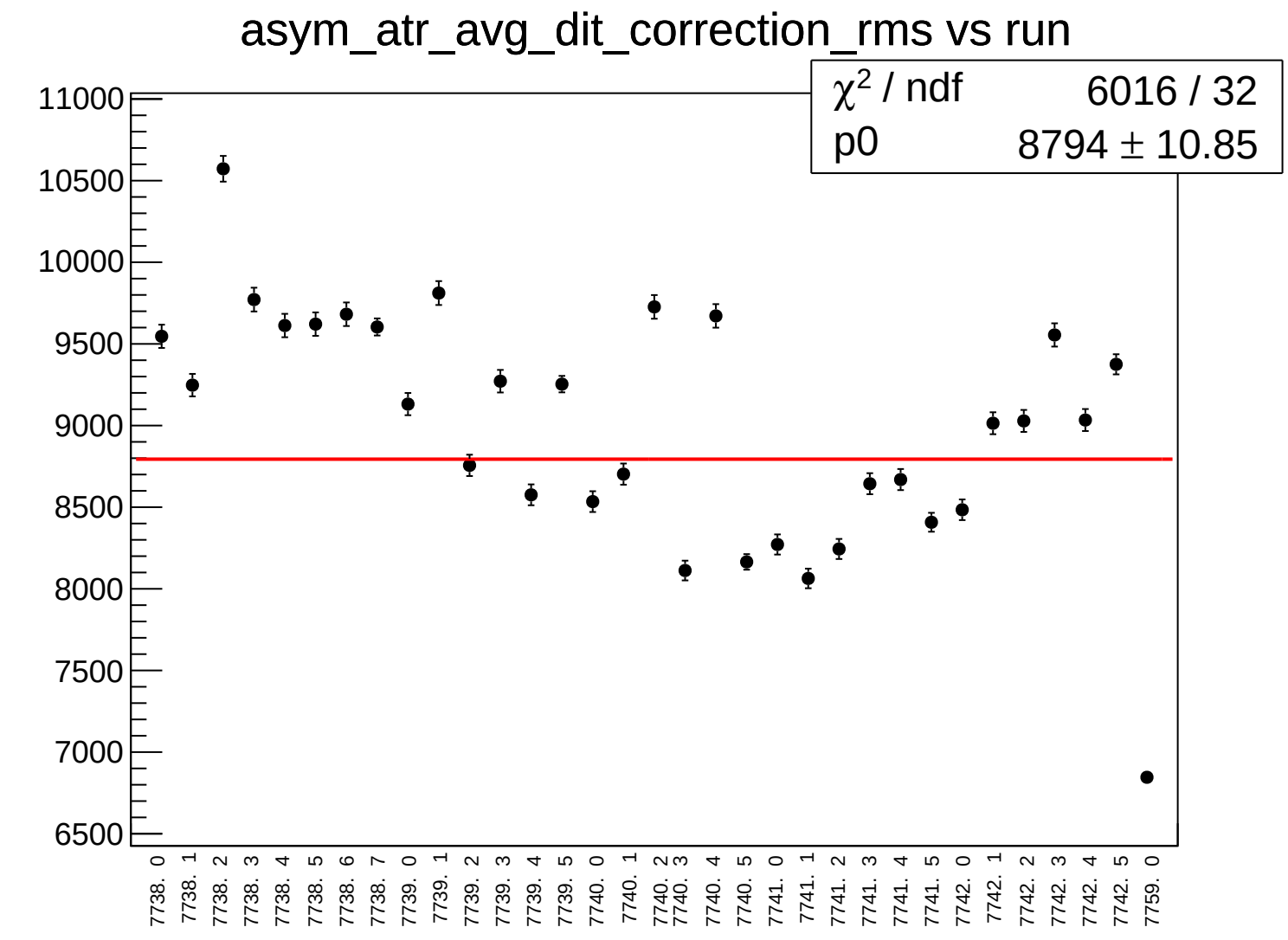

dit_asym_atr_avg_mean vs run
χ² / ndf 29.61 / 32
p0 166.9 ± 3371
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1110
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

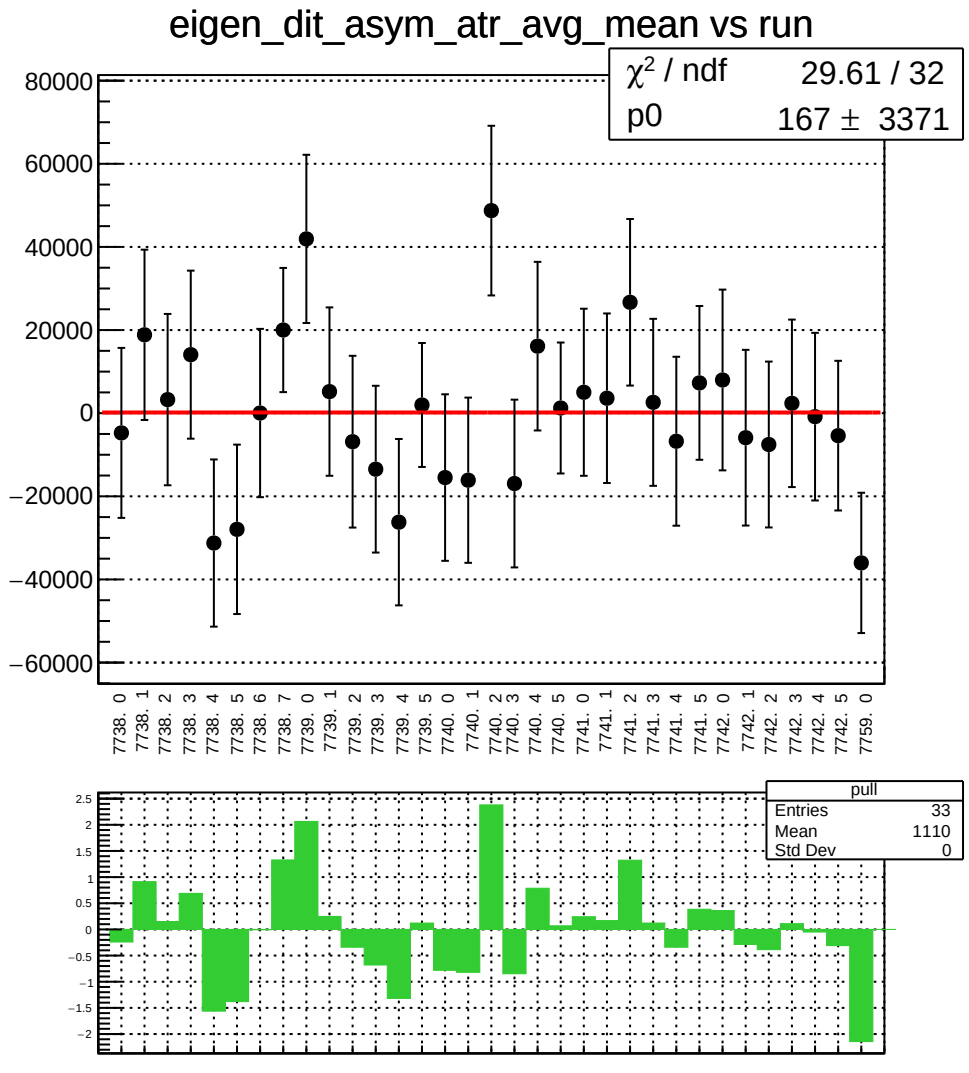

pull1D
Entries 33
Mean −0.0009569
Std Dev 0.9473
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

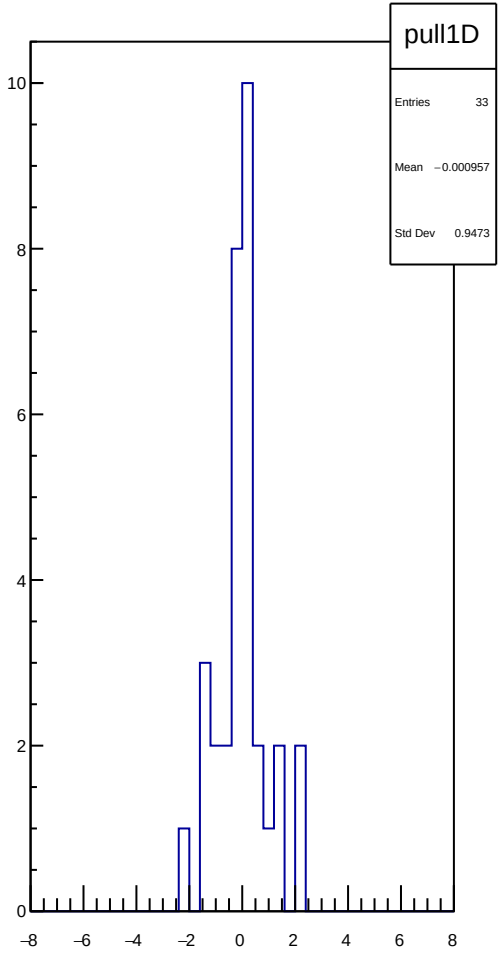

dit_asym_atr_avg_rms vs run
χ² / ndf 920.7 / 32
p0 1939 ± 2.384
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

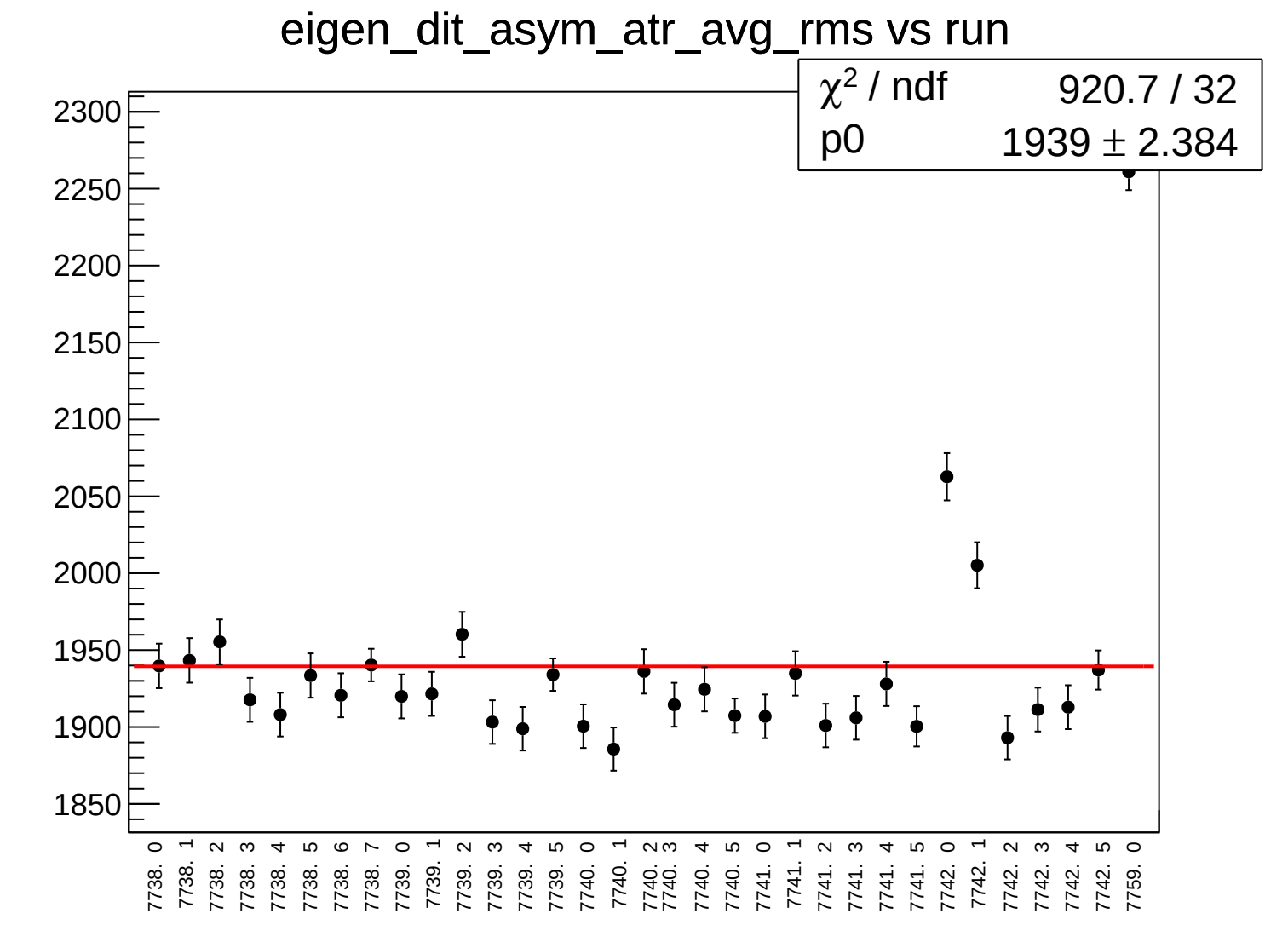

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.72 / 32
p0 −1606 ± 1.535e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

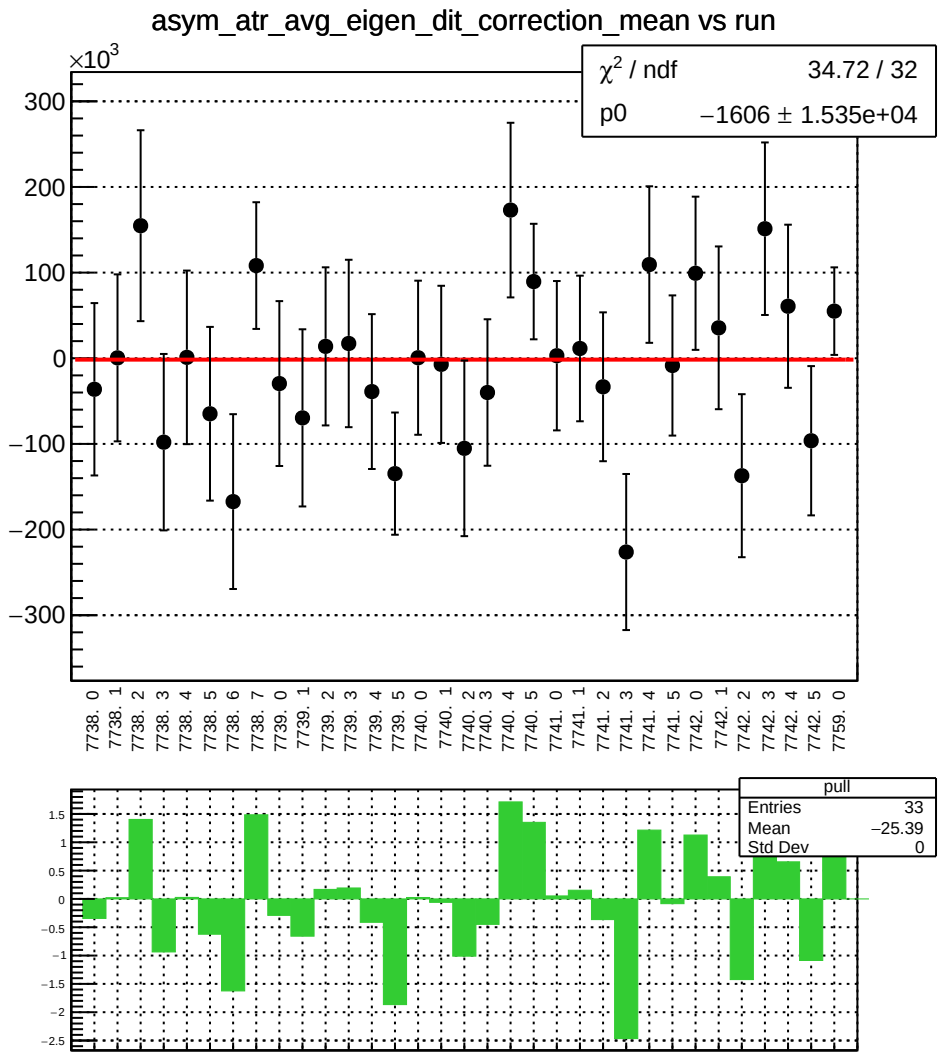

pull1D
Entries 33
Mean −0.03304
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

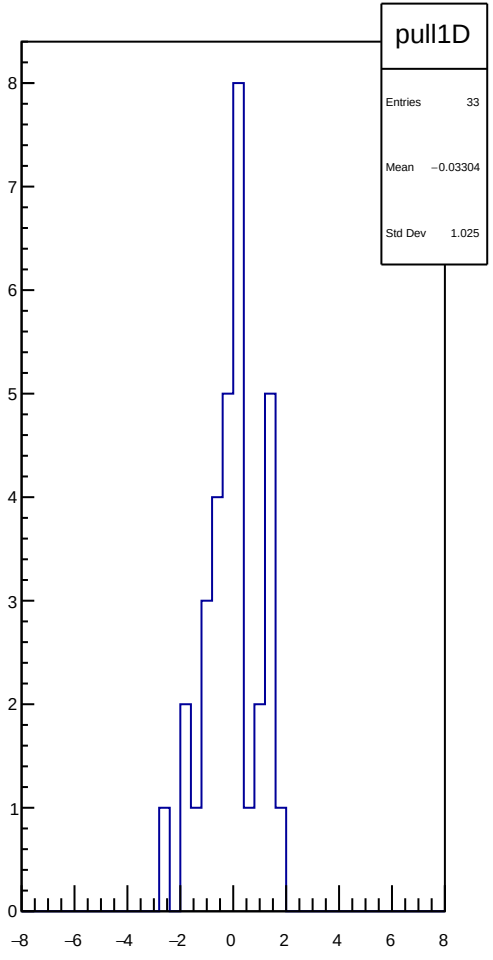

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 6016 / 32
p0 8794 ± 10.85
11000
10500
10000
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

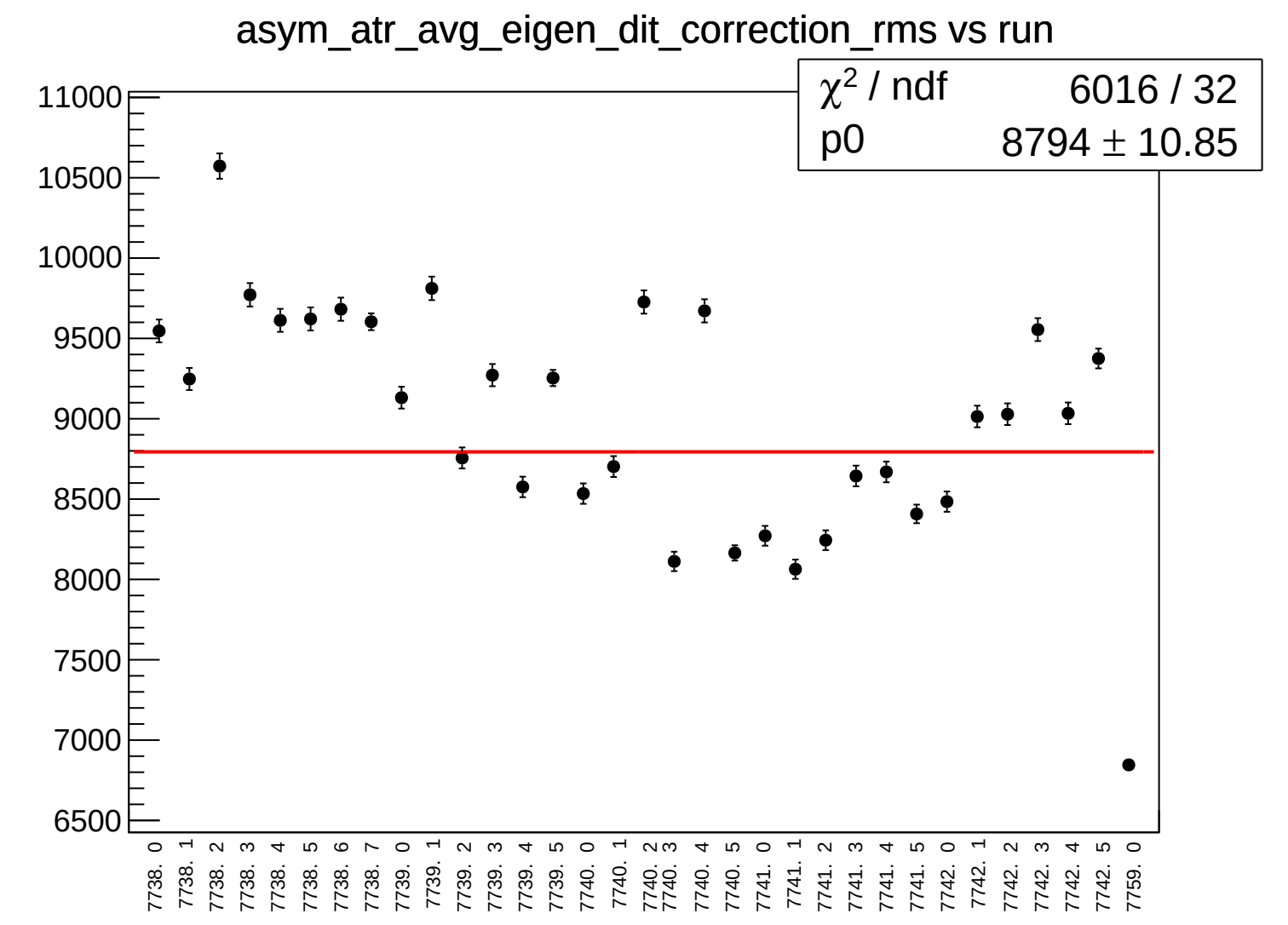

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 29.61 / 32
p0 167 ± 3371
pull
Entries 33
Mean 1110
Std Dev 0

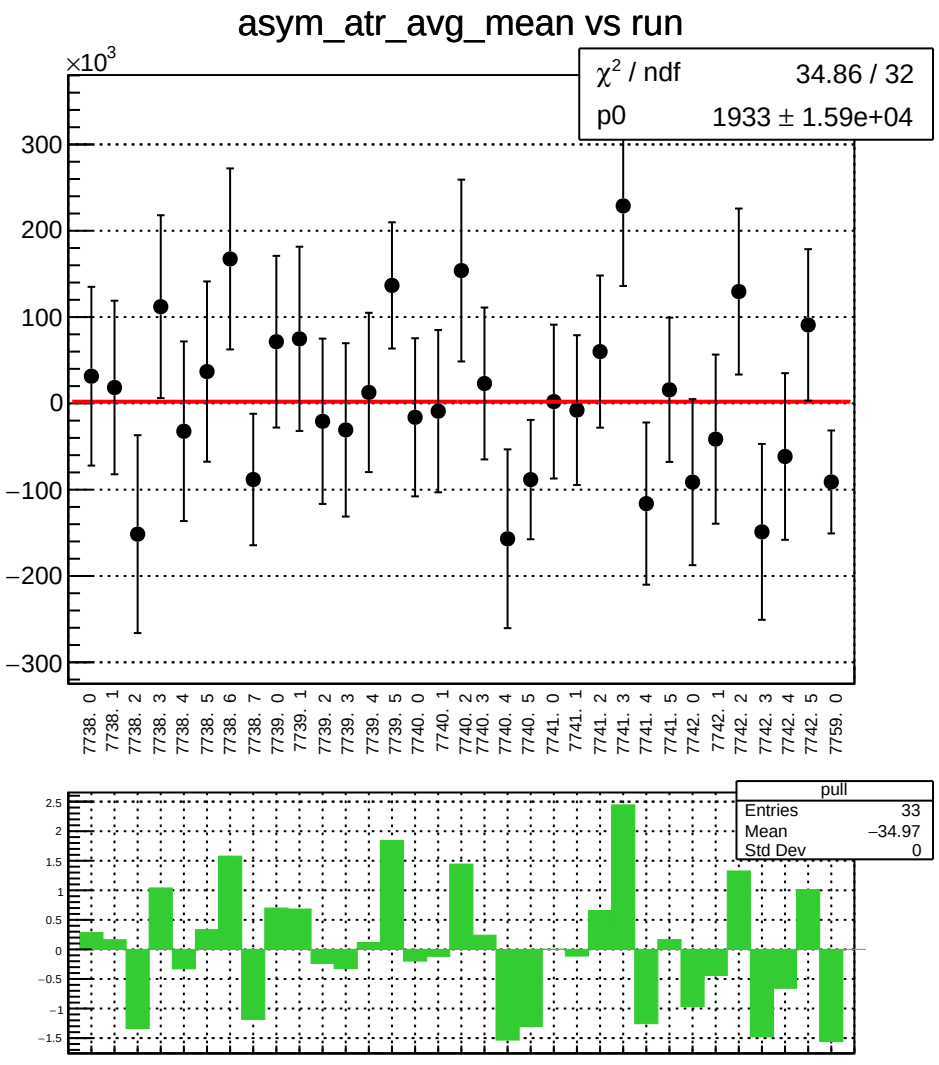

pull1D
Entries 33
Mean −0.000957
Std Dev 0.9473

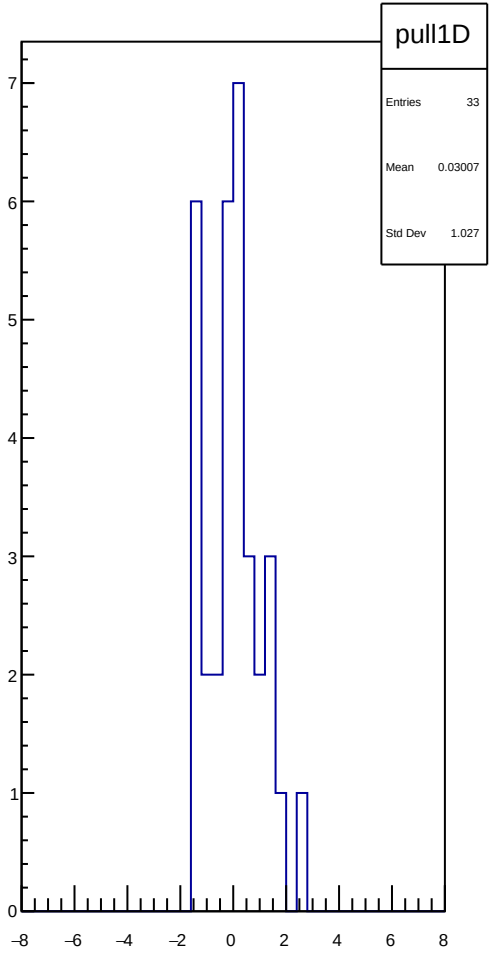

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 920.7 / 32
p0 1939 ± 2.384
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

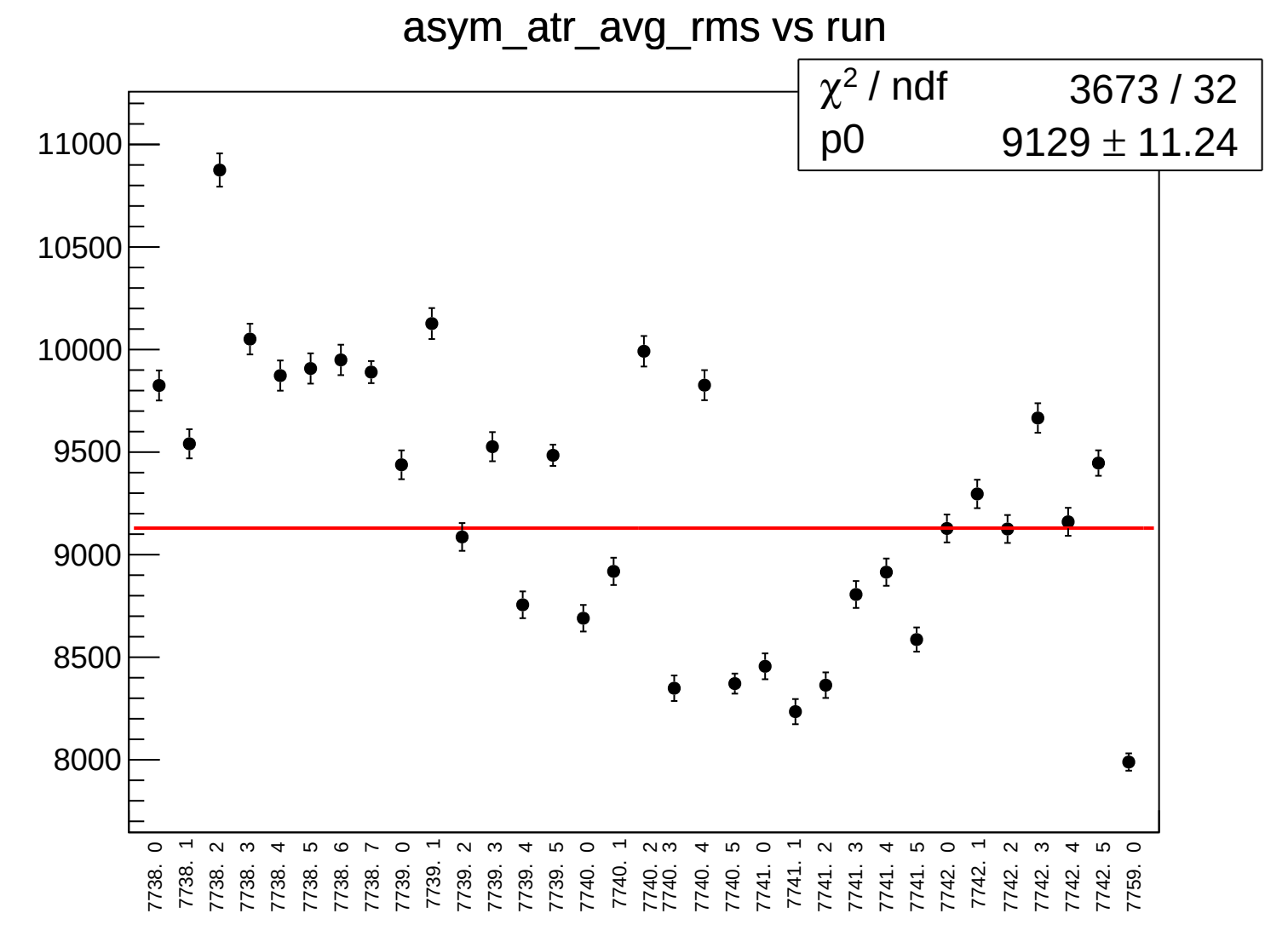

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.72 / 32
p0 −1606 ± 1.535e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

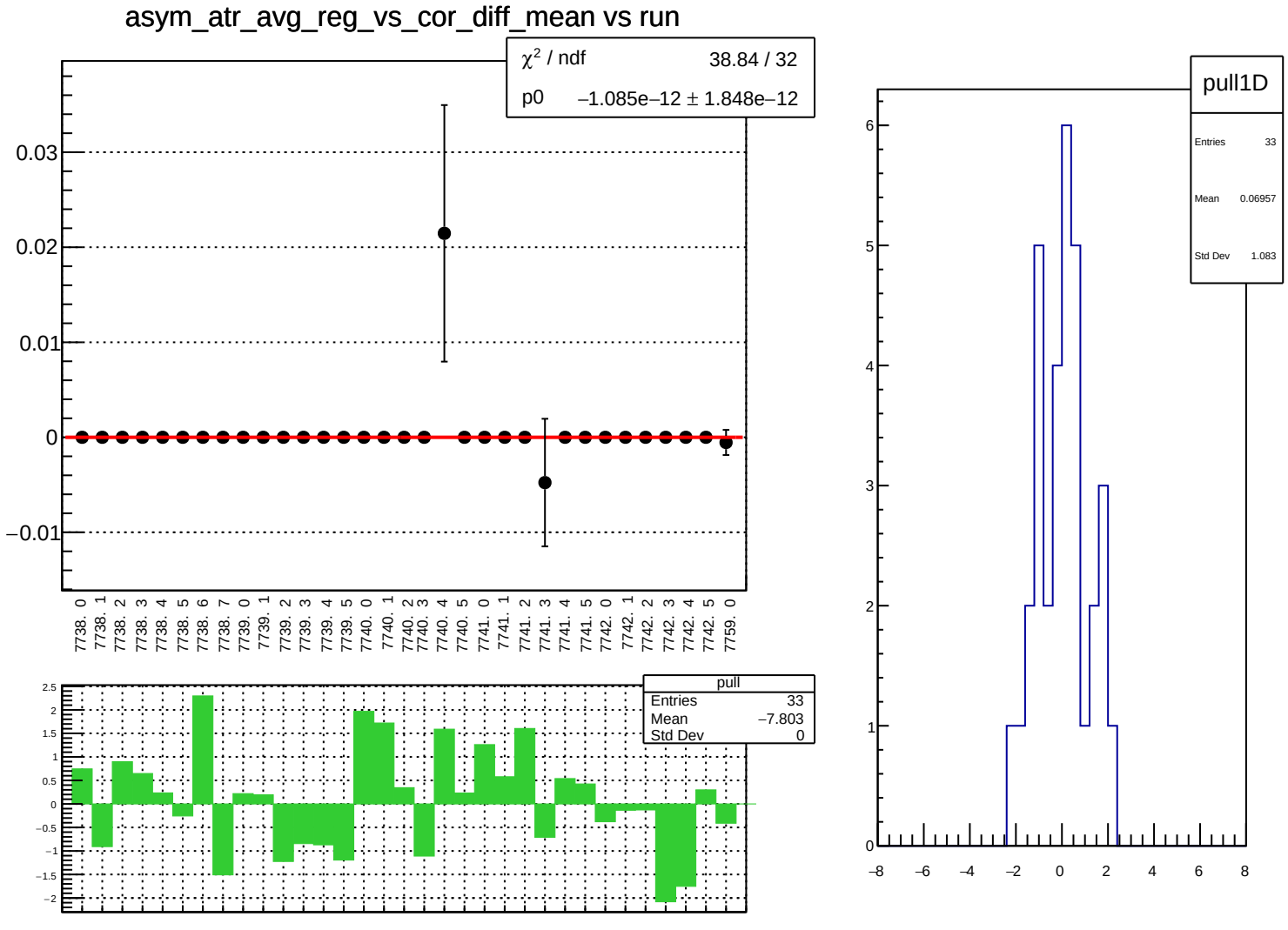

pull1D
Entries 33
Mean −0.03304
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

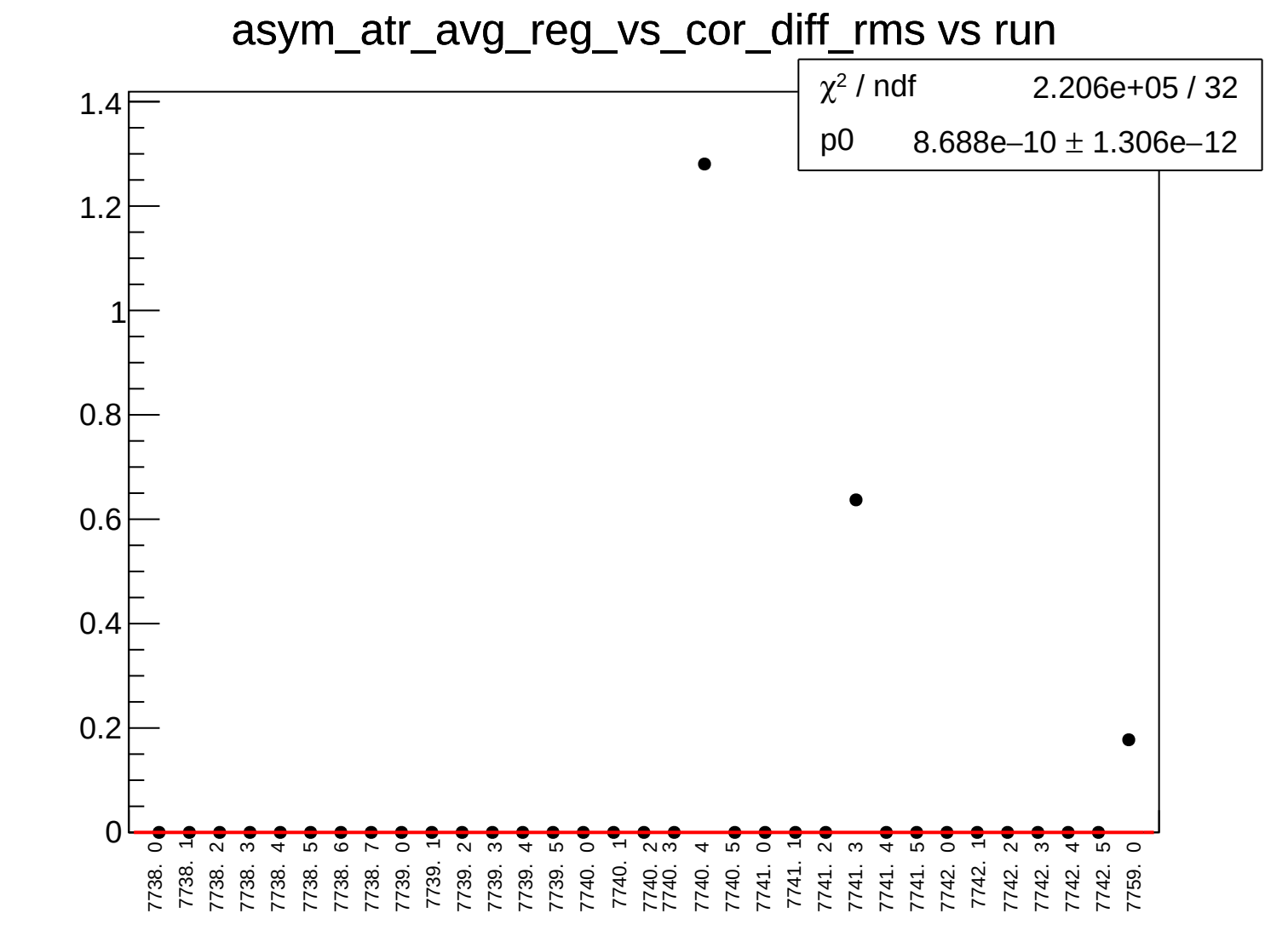

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 6016 / 32
p0 8794 ± 10.85
11000
10500
10000
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

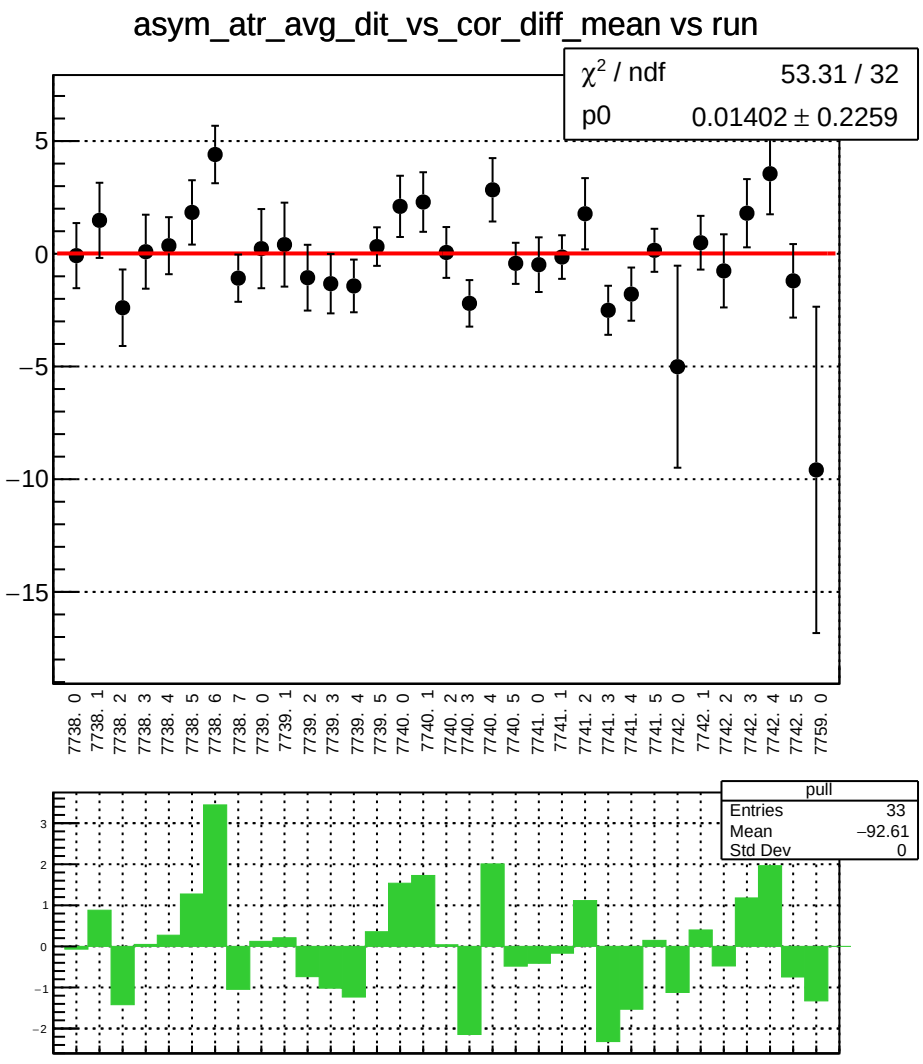

asym_atr_avg_mean vs run
×10^3
χ² / ndf 34.86 / 32
p0 1933 ± 1.59e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −34.97
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

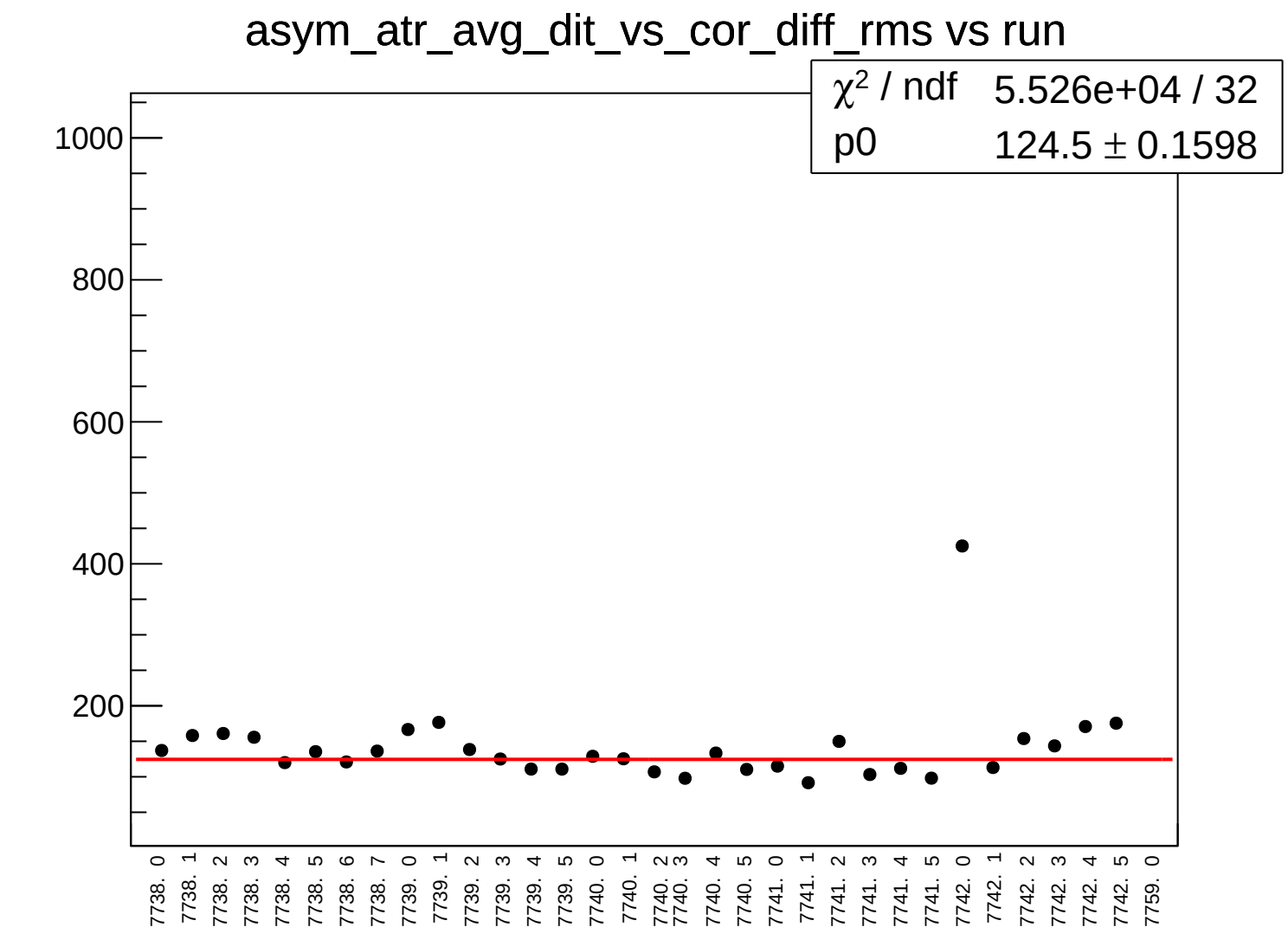

pull1D
Entries 33
Mean 0.03007
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

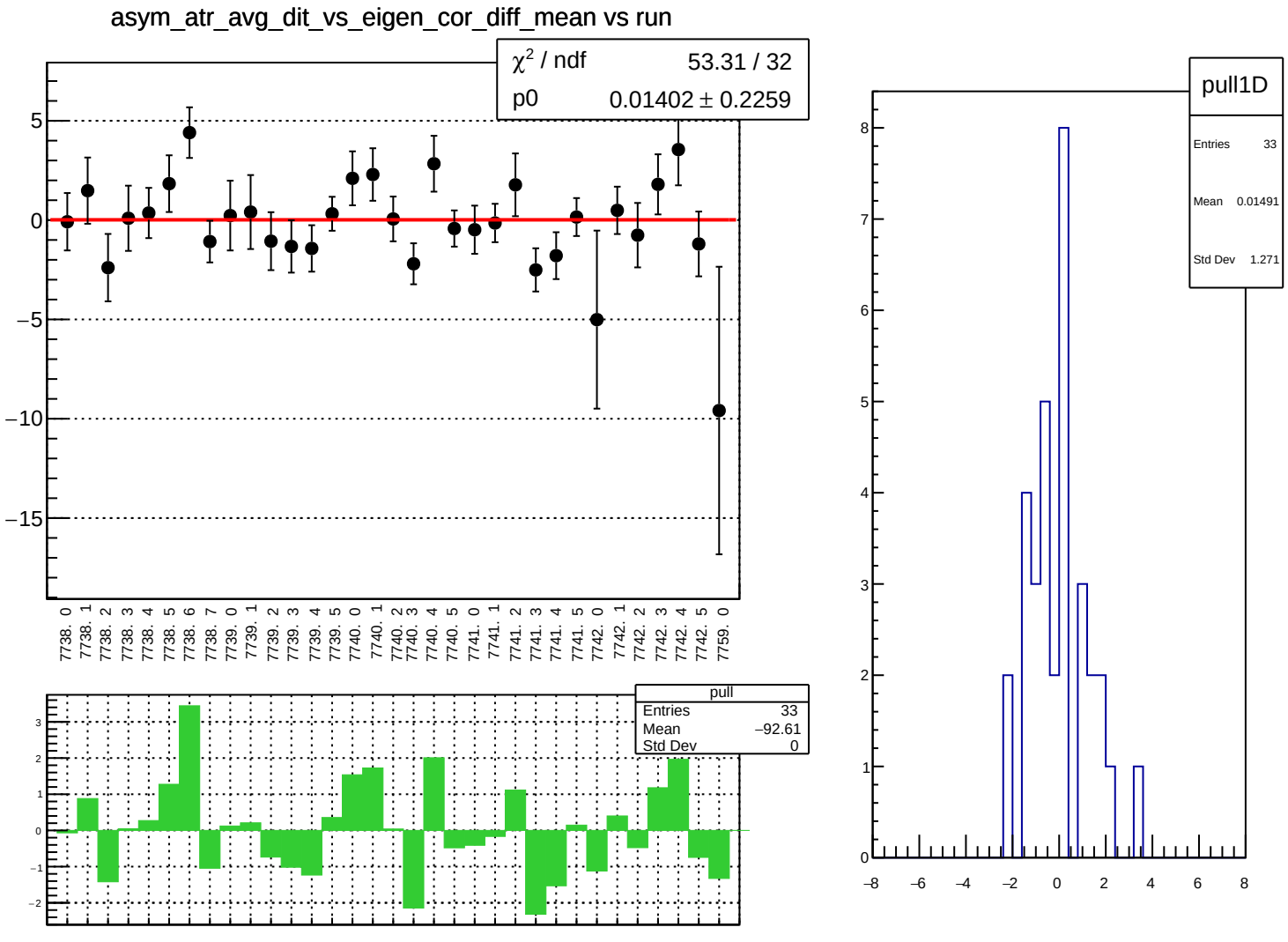

asym_atr_avg_rms vs run
χ^2 / ndf 3673 / 32
p0 9129 ± 11.24
11000
10500
10000
9500
9000
8500
8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

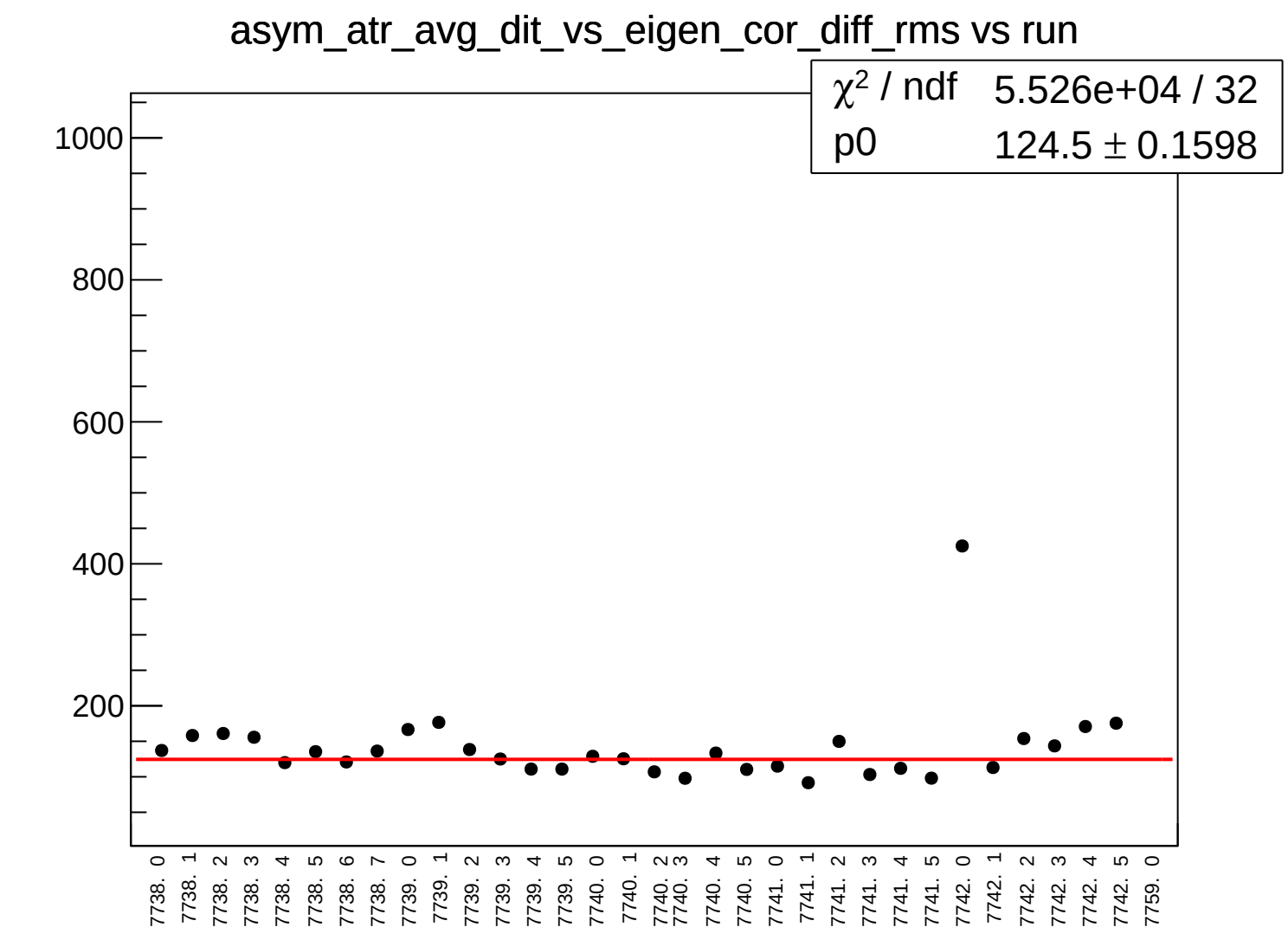

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 38.84 / 32
p0 −1.085e−12 ± 1.848e−12
0.03
0.02
0.01
0
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.803
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.06957
Std Dev 1.083
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

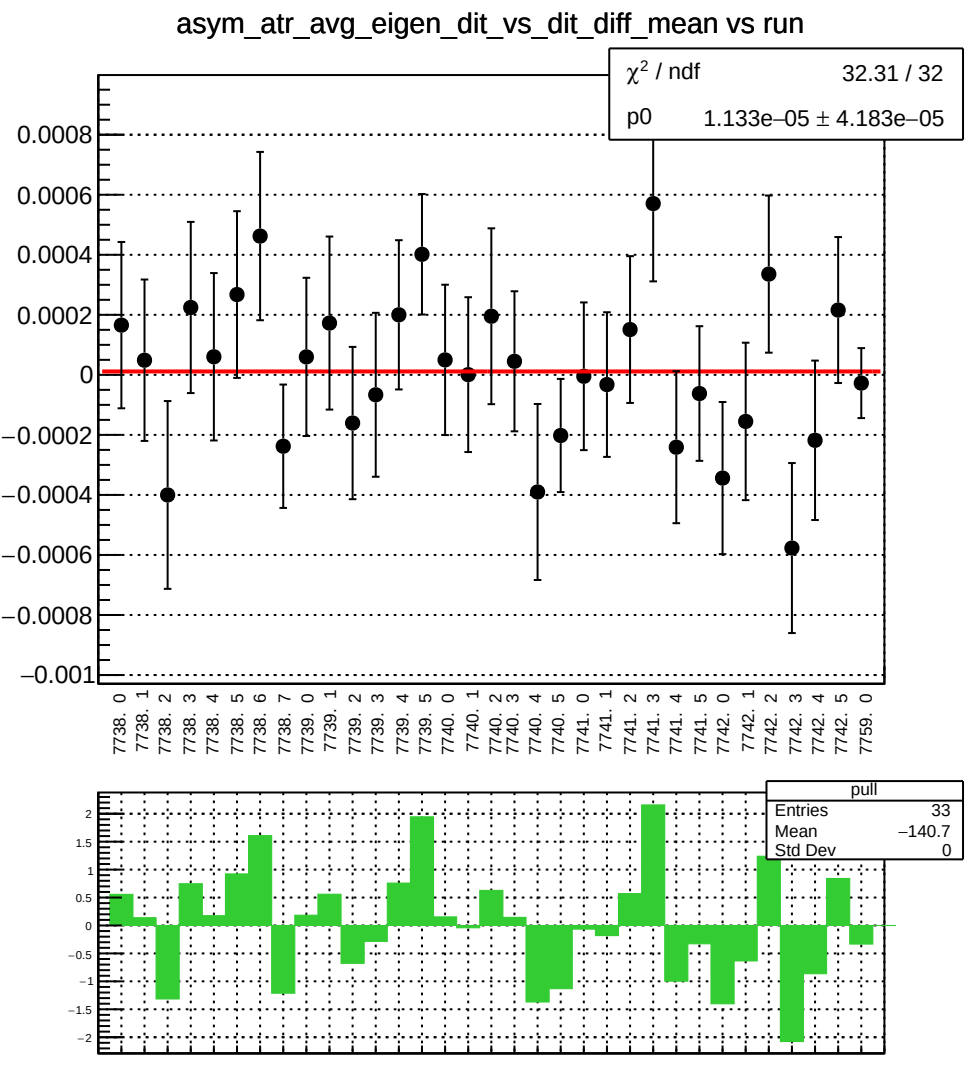

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.206e+05 / 32
p0 8.688e−10 ± 1.306e−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

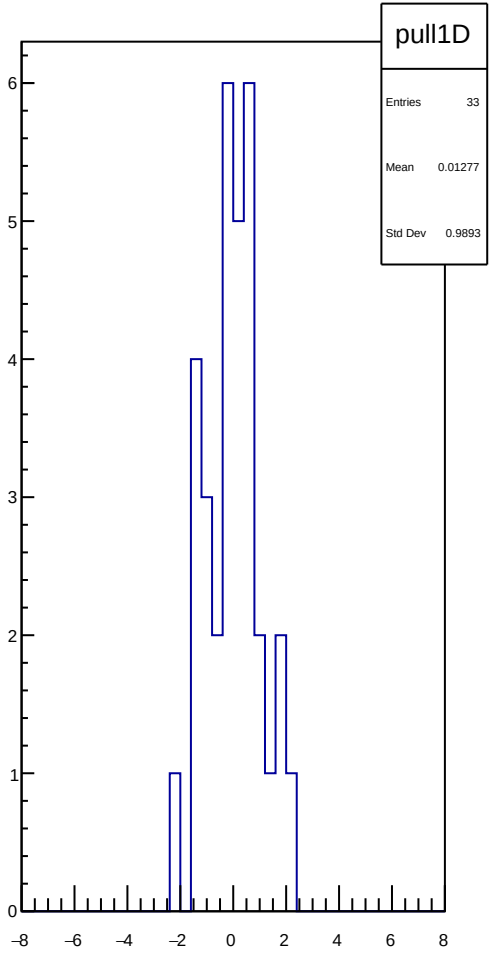

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.31 / 32
p0 0.01402 ± 0.2259
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −92.61
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.01491
Std Dev 1.271
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

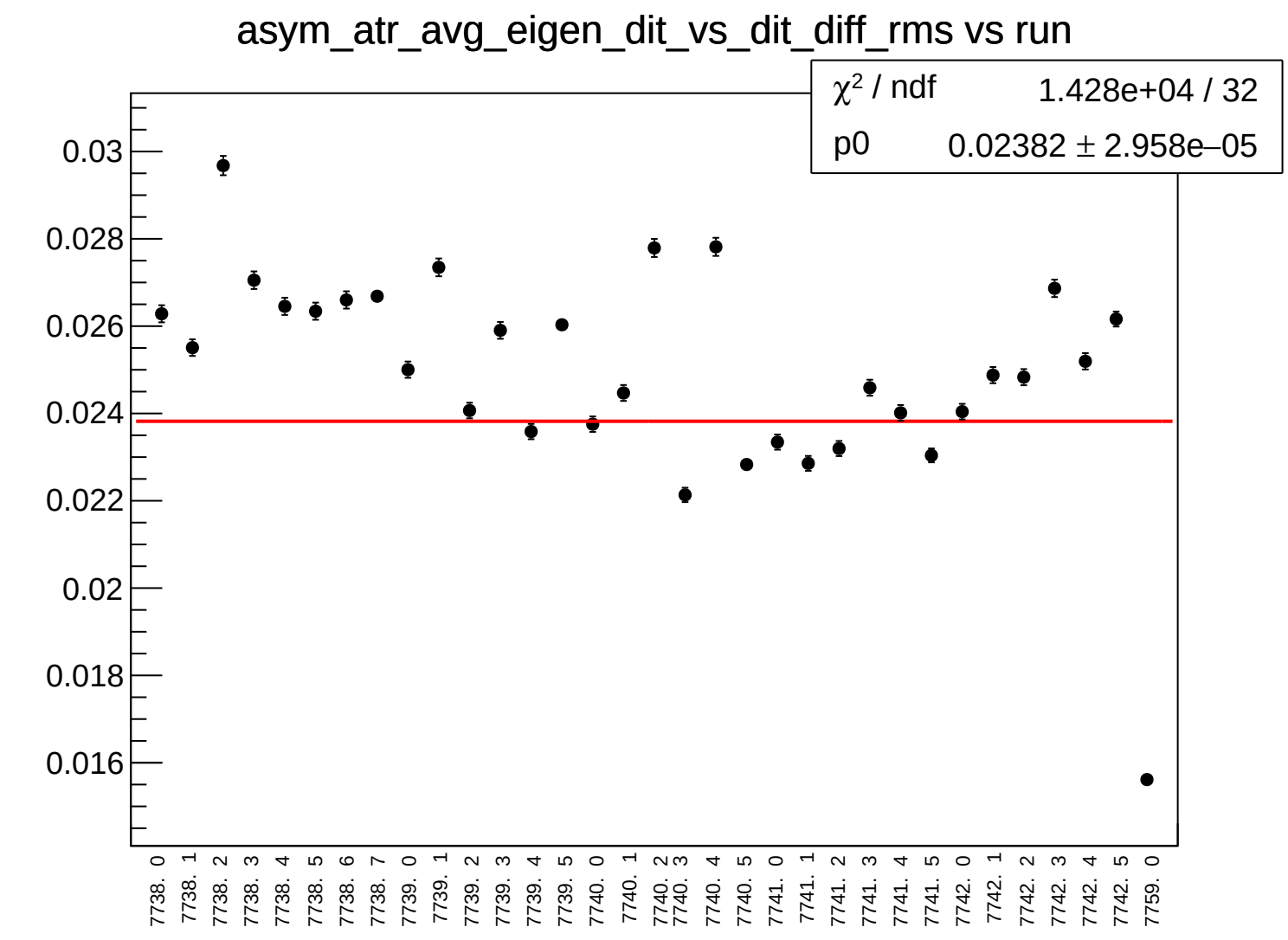

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.526e+04 / 32
p0 124.5 ± 0.1598
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

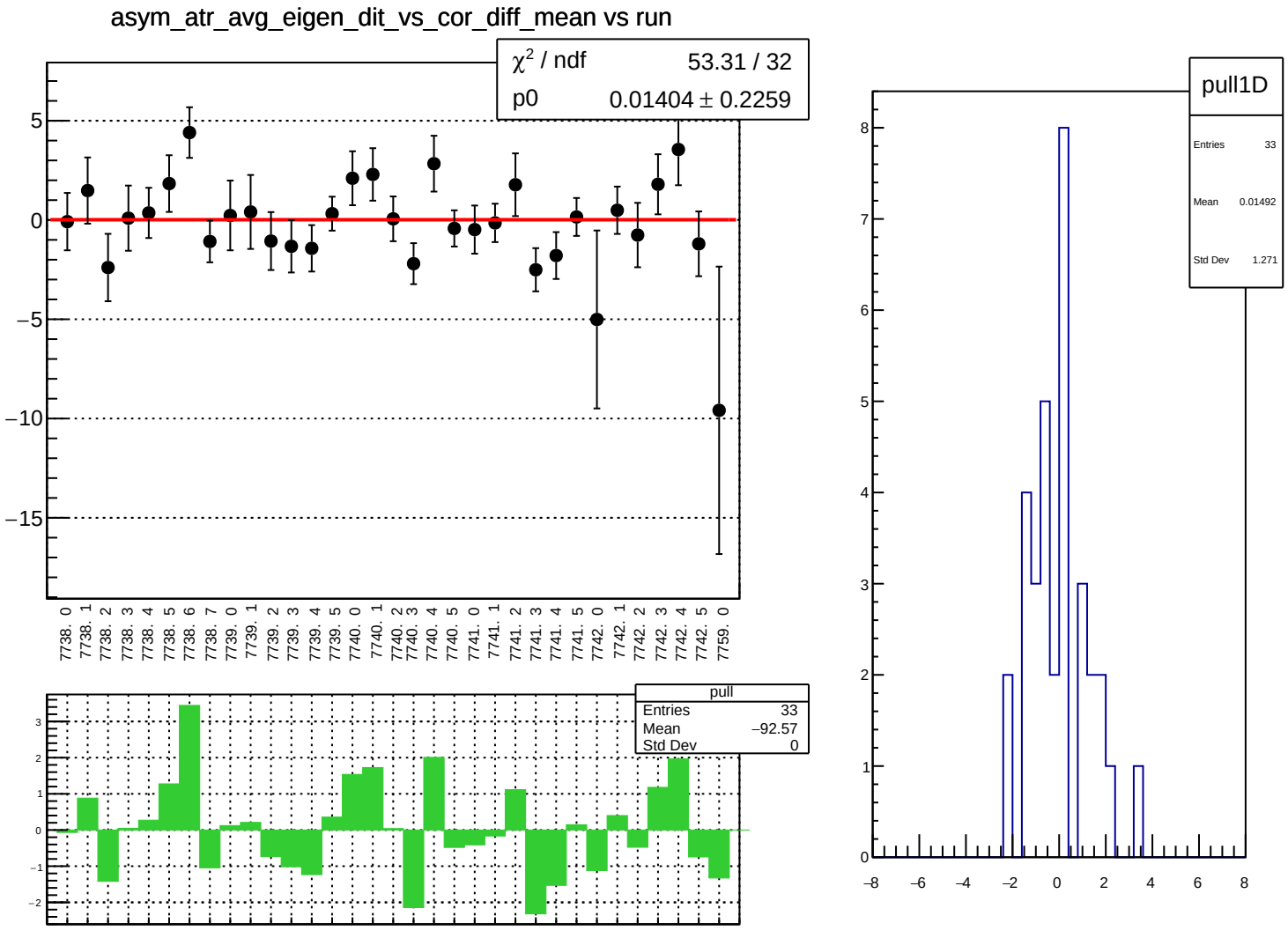

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.31 / 32
p0 0.01402 ± 0.2259
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −92.61
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.01491
Std Dev 1.271
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

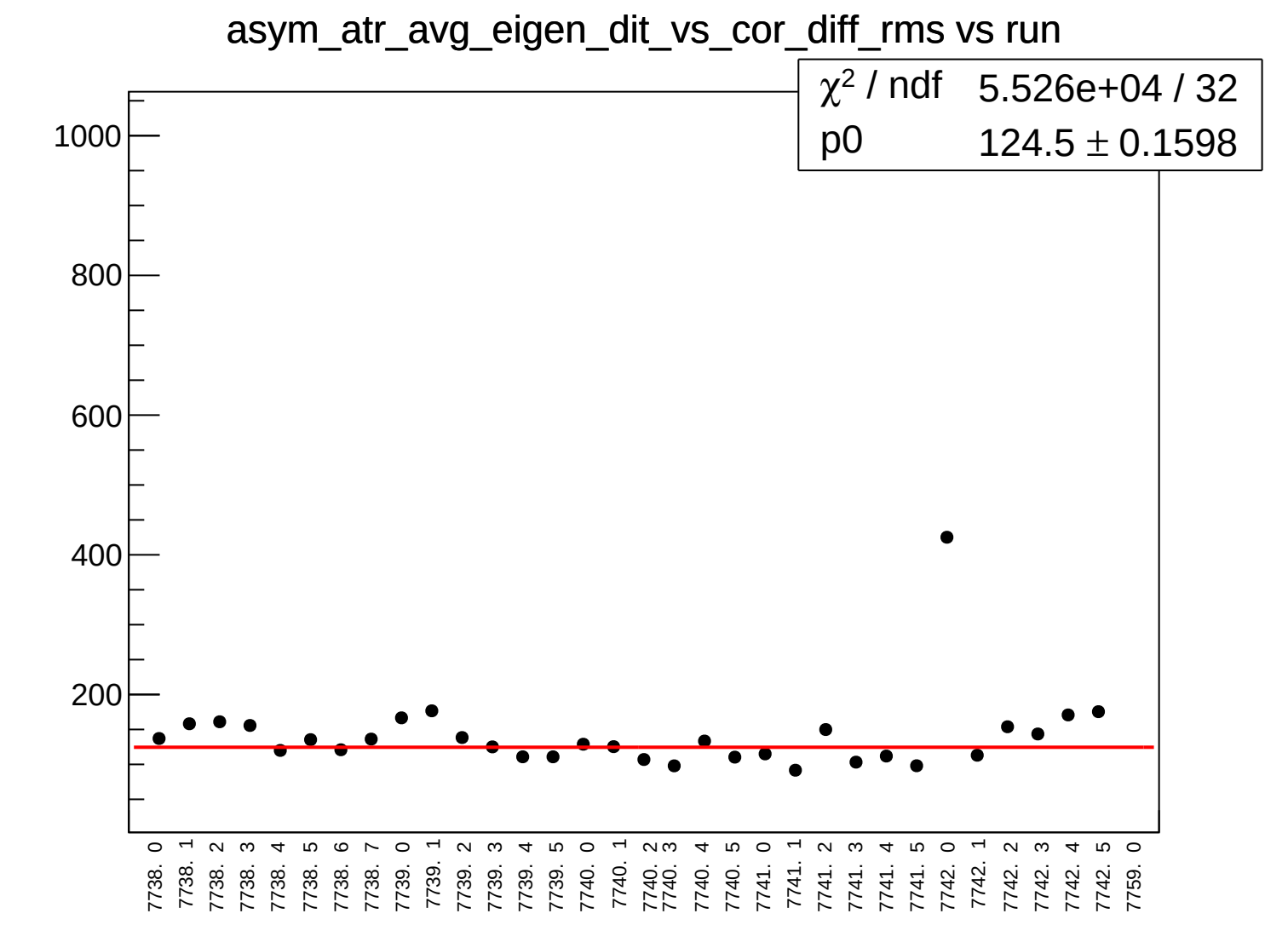

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.526e+04 / 32
p0 124.5 ± 0.1598
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

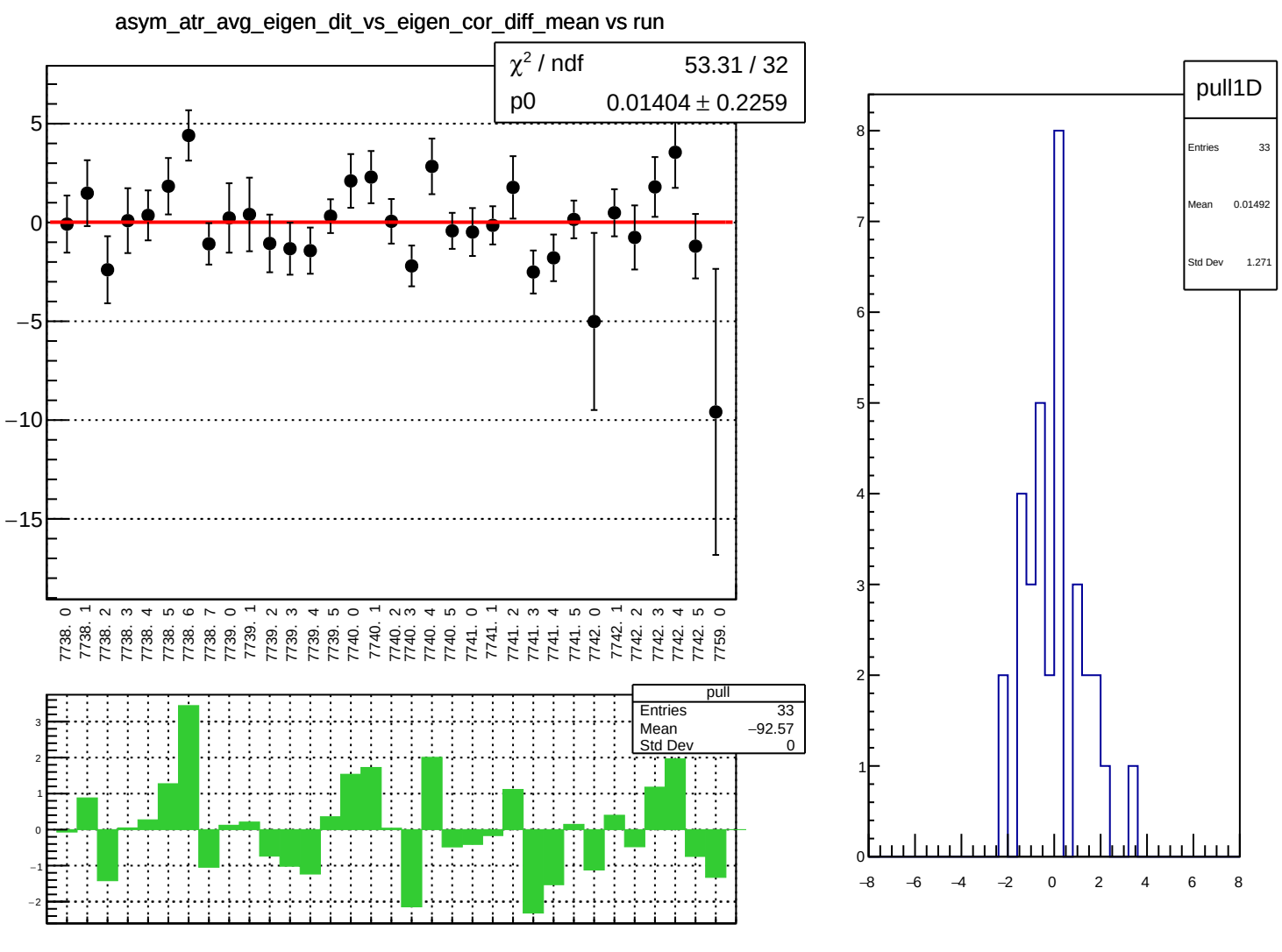

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 32.31 / 32
p0 1.133e−05 ± 4.183e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −140.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

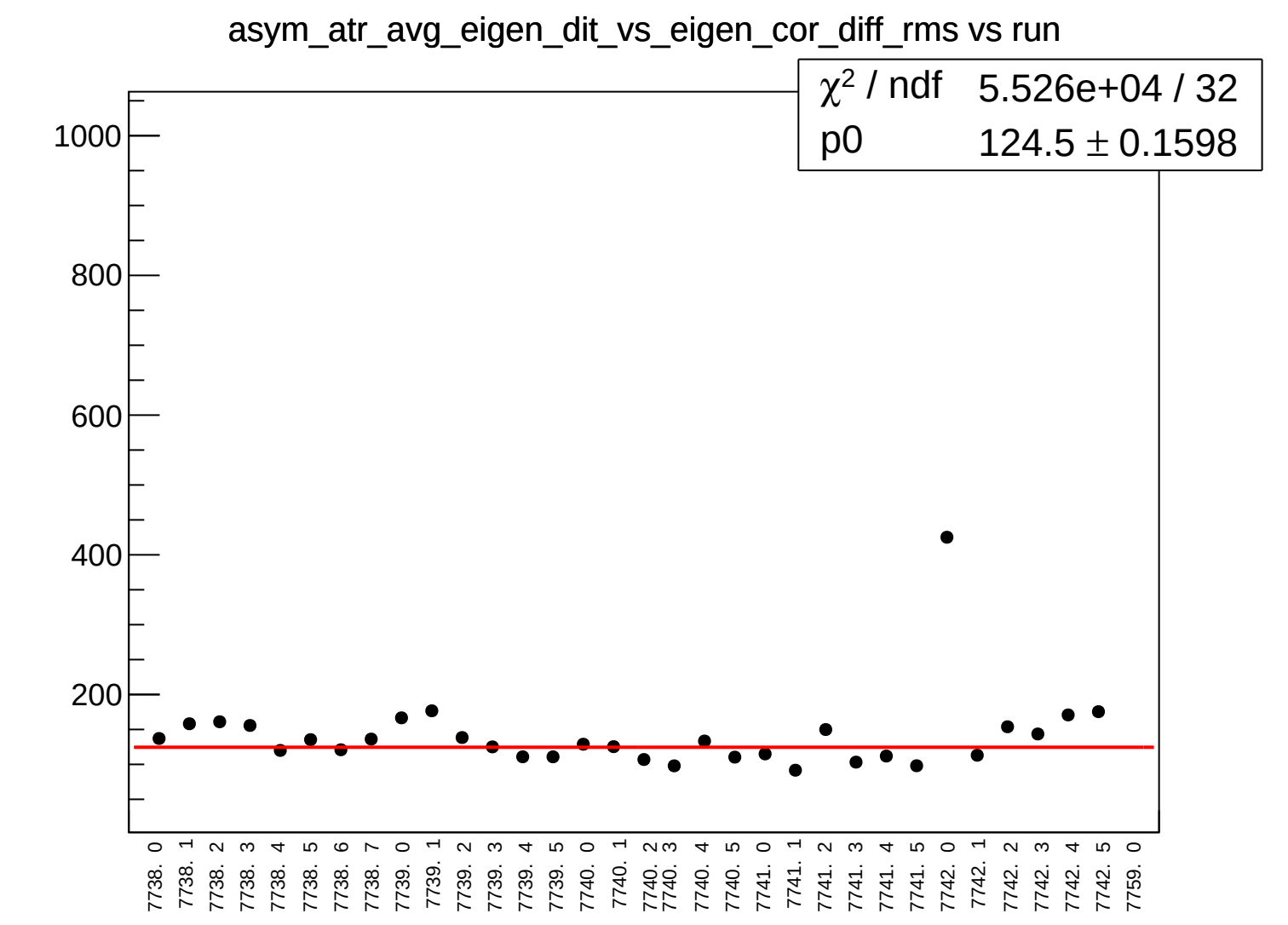

pull1D
Entries 33
Mean 0.01277
Std Dev 0.9893
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.428e+04 / 32
p0 0.02382 ± 2.958e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.31 / 32
p0 0.01404 ± 0.2259
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −92.57
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.01492
Std Dev 1.271
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.526e+04 / 32
p0 124.5 ± 0.1598
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.31 / 32
p0 0.01404 ± 0.2259
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −92.57
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.01492
Std Dev 1.271
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.526e+04 / 32
p0 124.5 ± 0.1598
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
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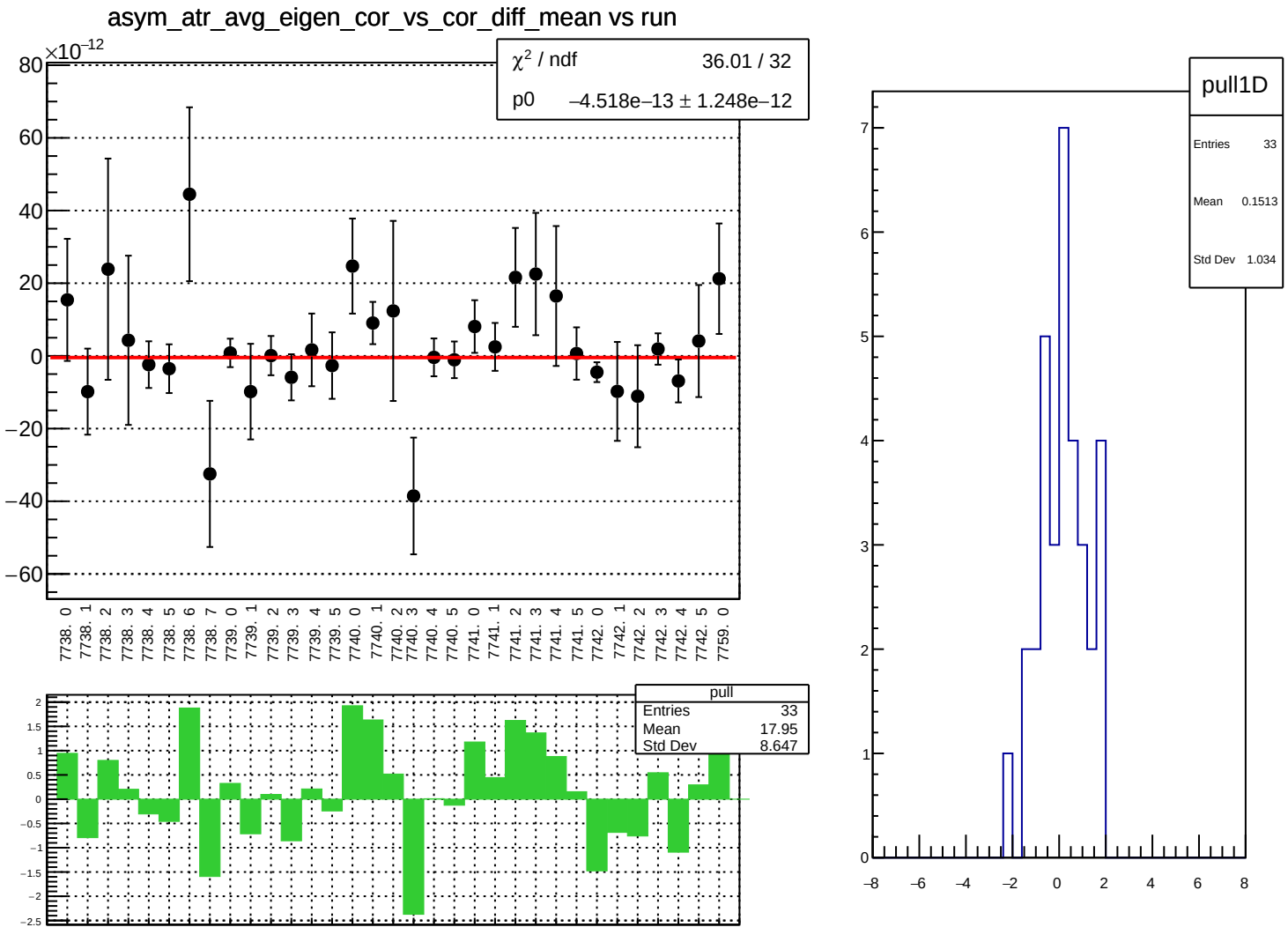
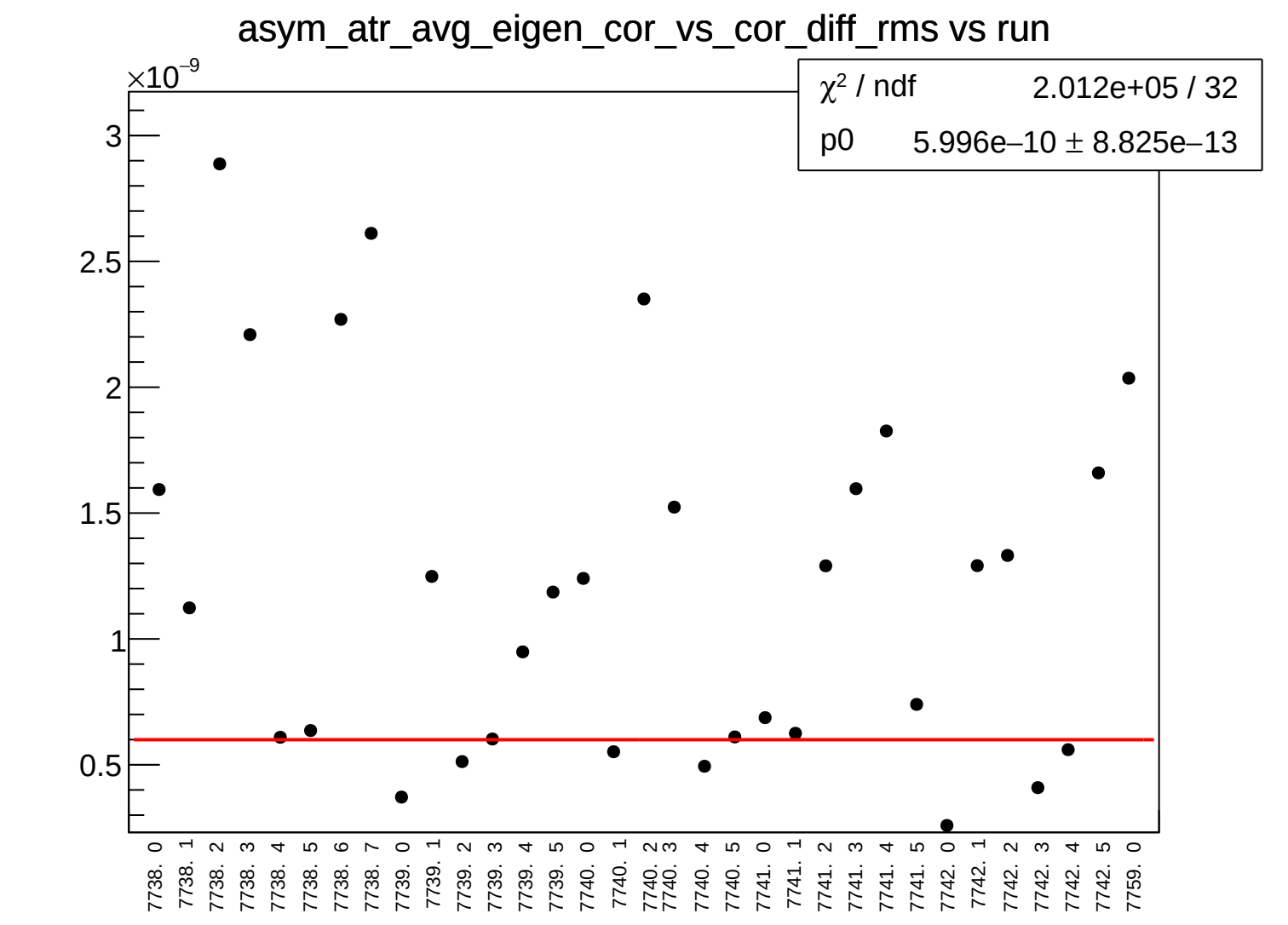
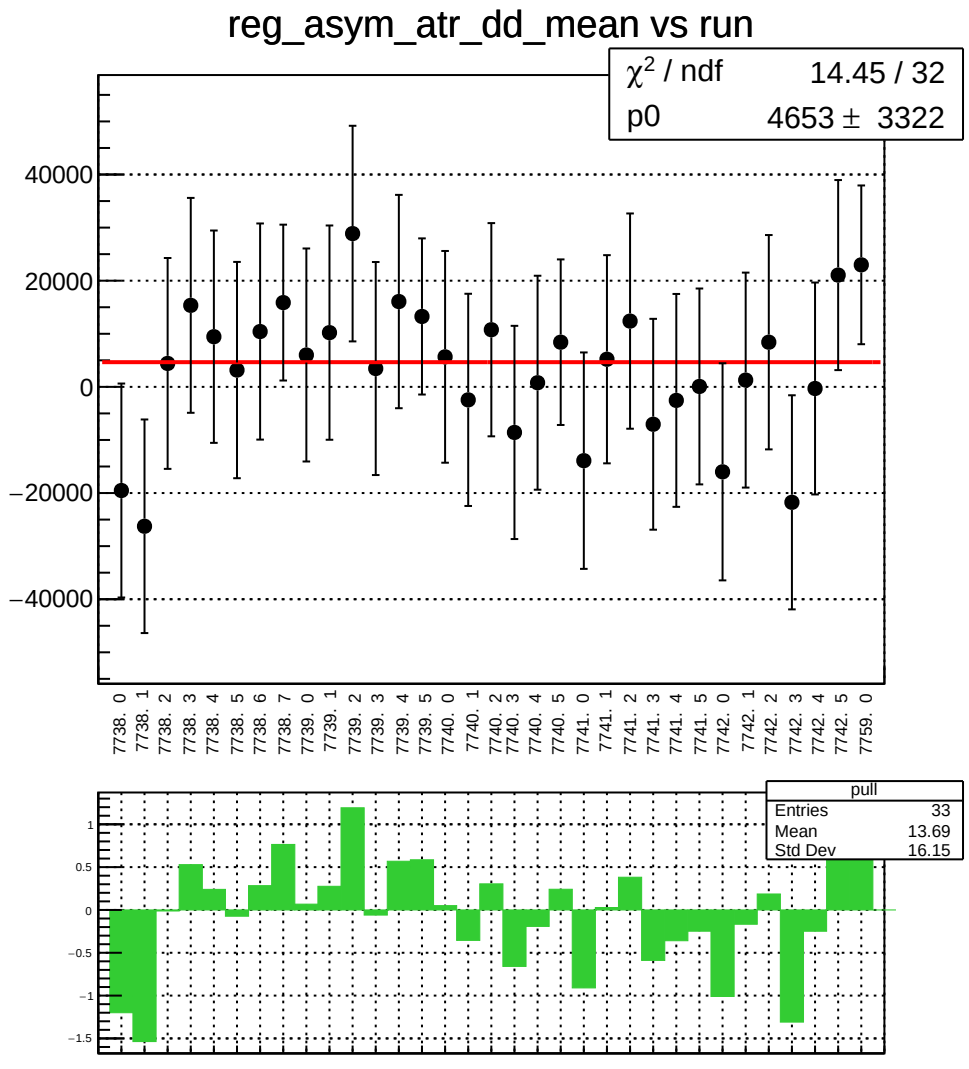
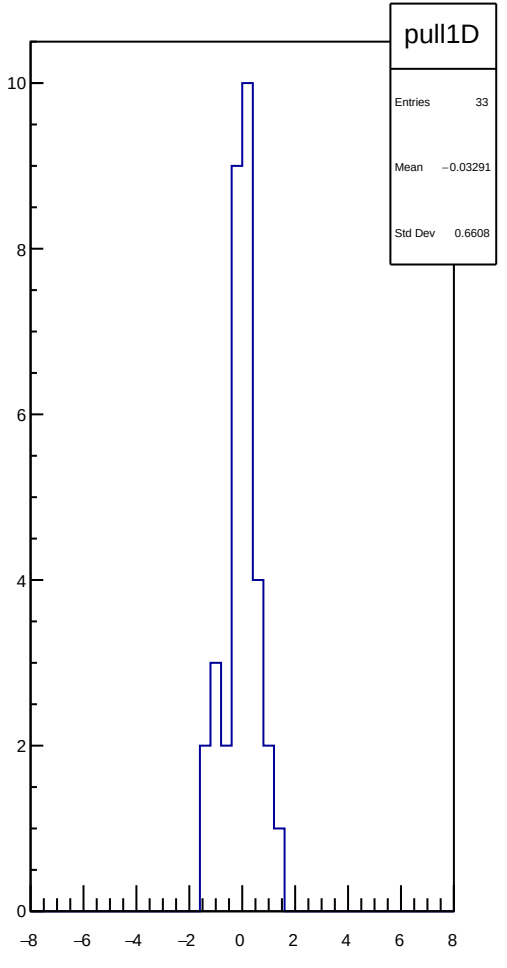
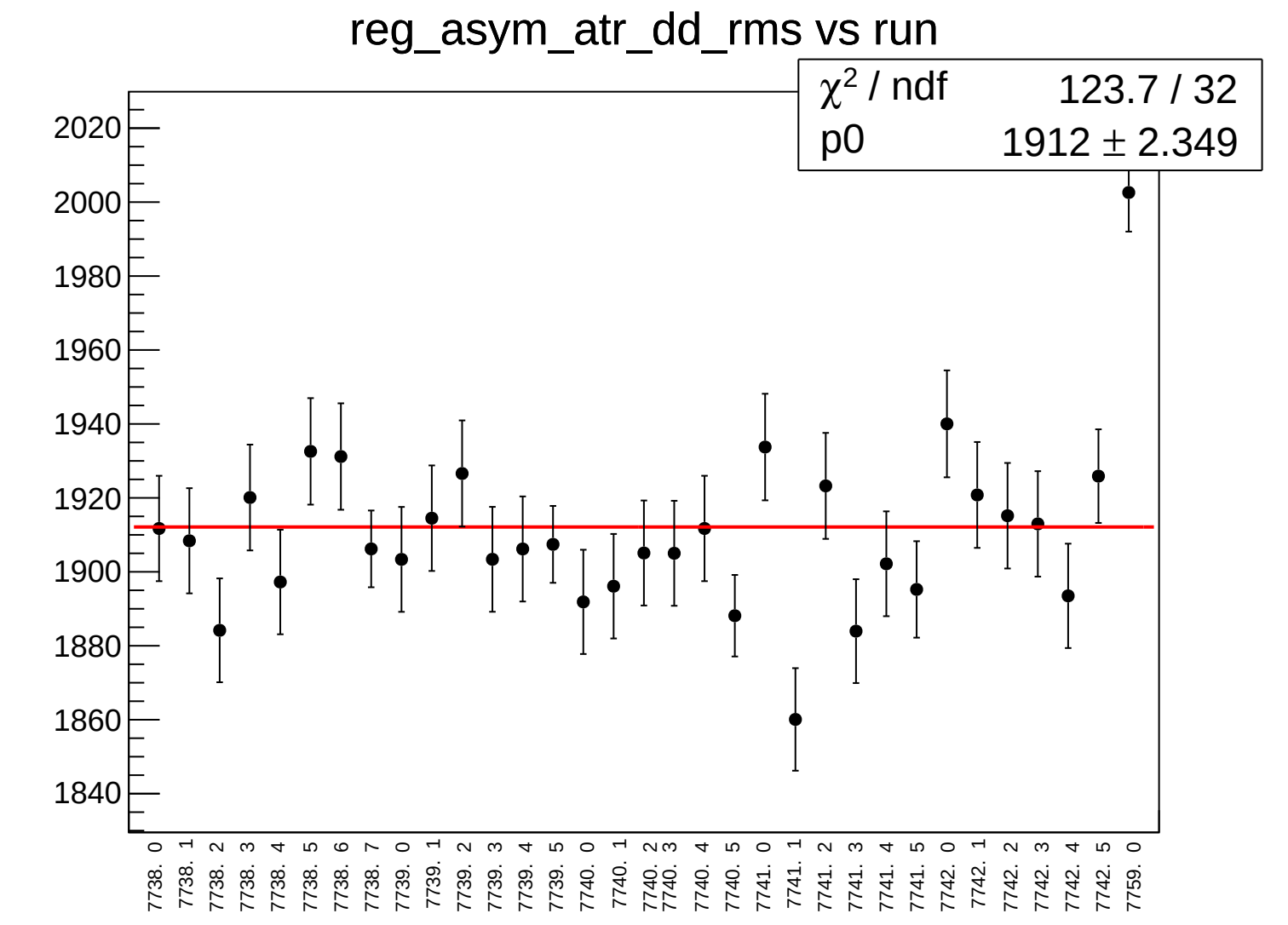
7742. 5
7759. 0

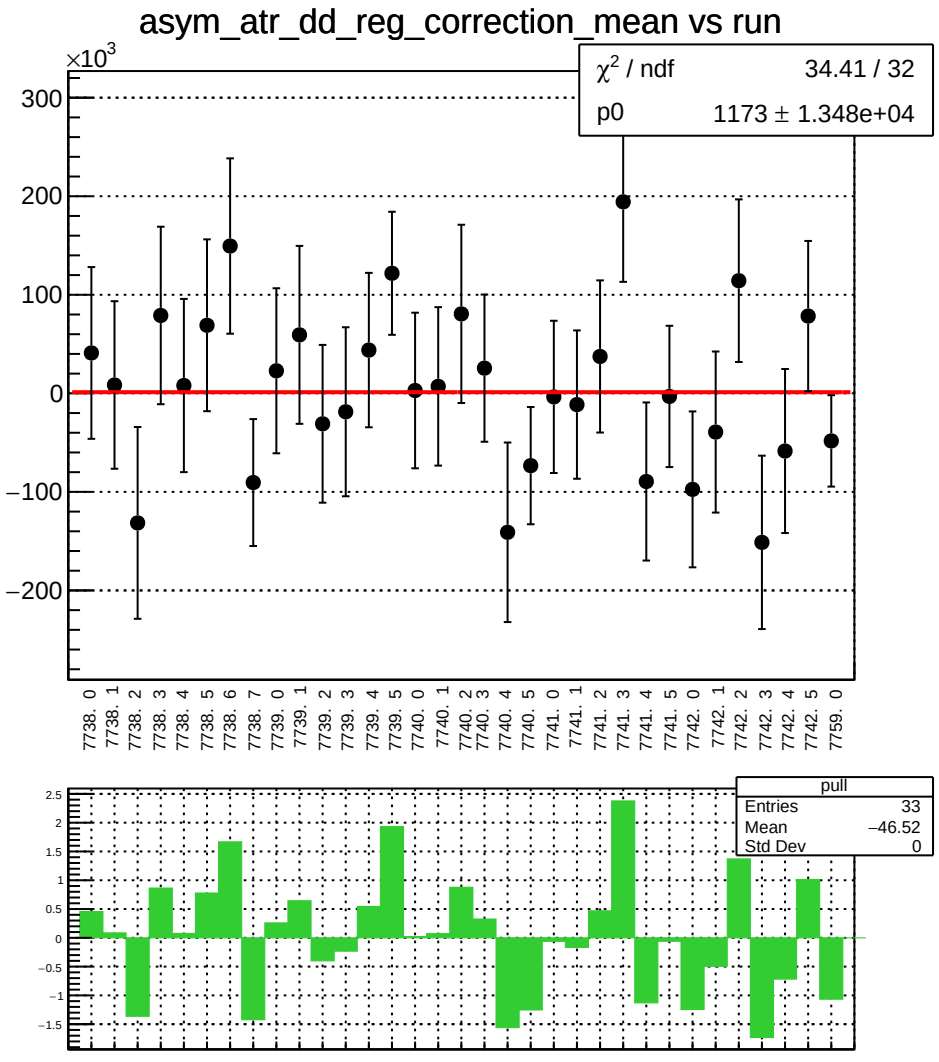

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.01 / 32
p0 −4.518e−13 ± 1.248e−12
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.95
Std Dev 8.647
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.1513
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

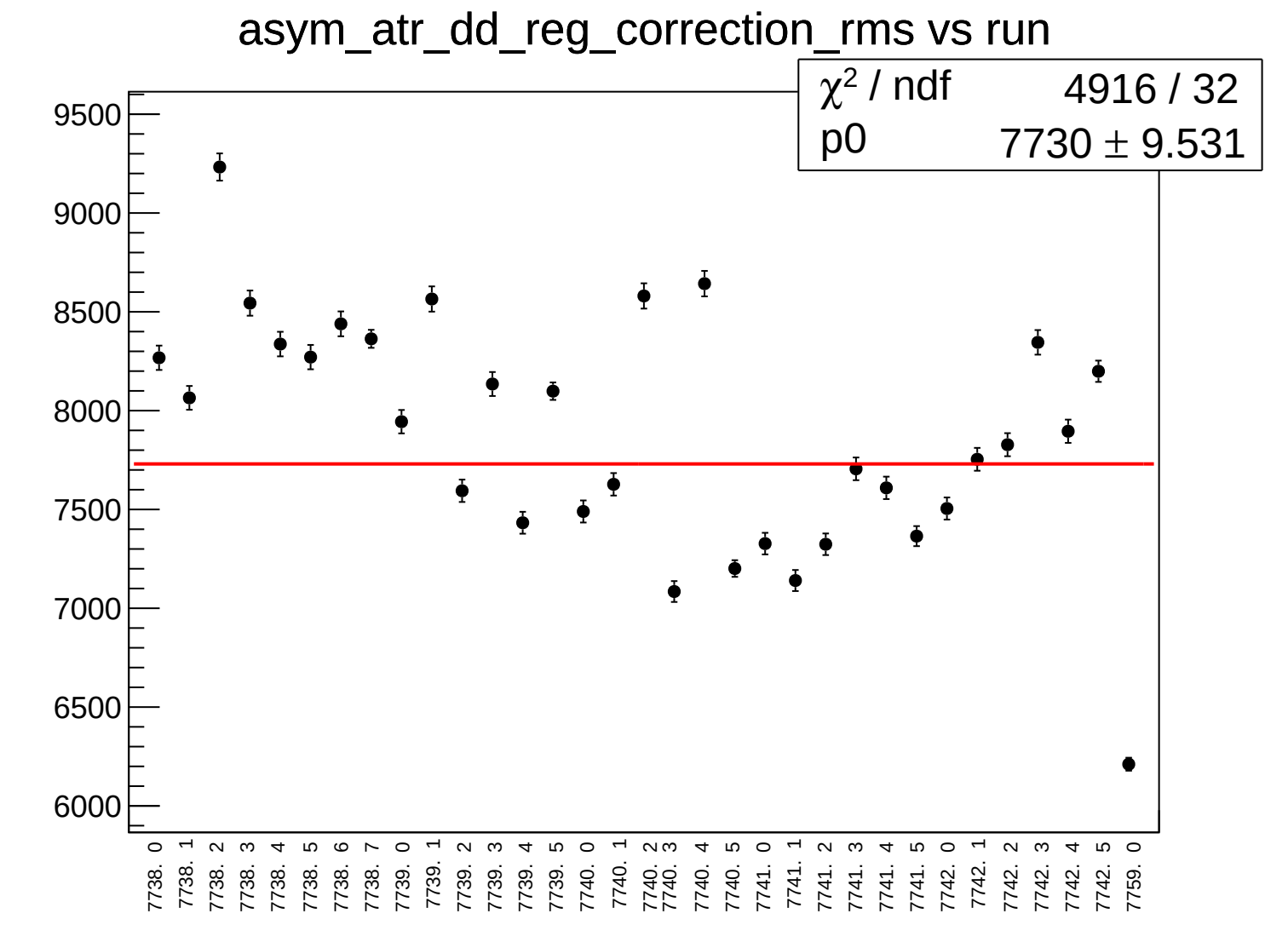

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.012e+05 / 32
p0 5.996e−10 ± 8.825e−13
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

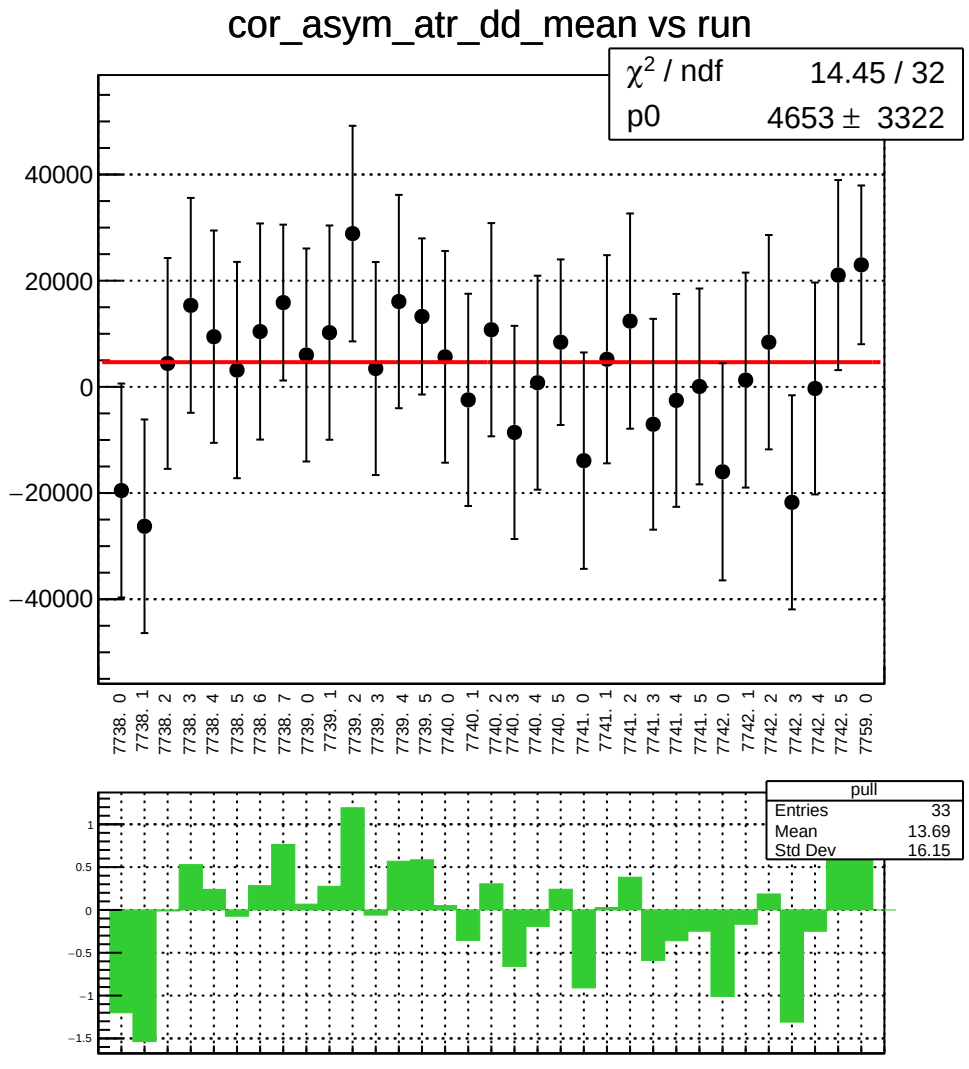

reg_asym_atr_dd_mean vs run
χ² / ndf 14.45 / 32
p0 4653 ± 3322
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.69
Std Dev 16.15
1
0.5
0
−0.5
−1
−1.5

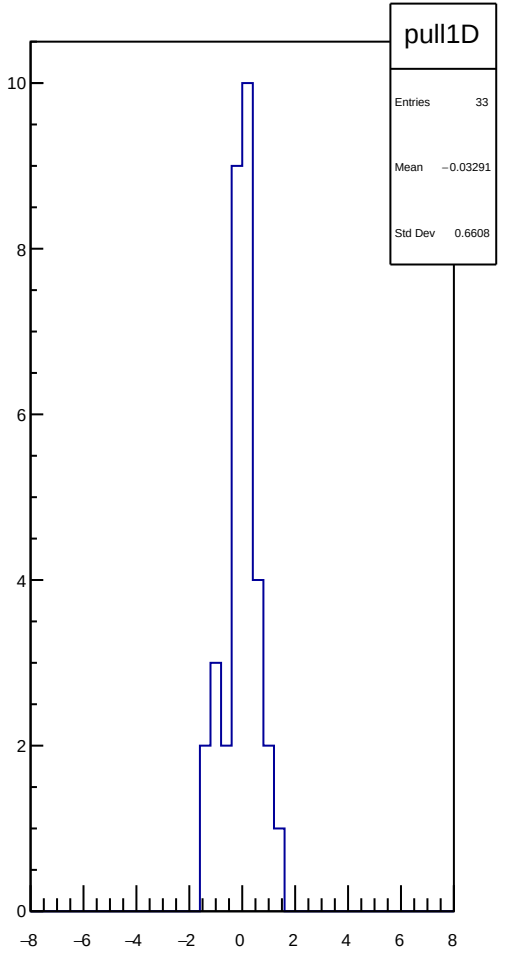

pull1D
Entries 33
Mean −0.03291
Std Dev 0.6608
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

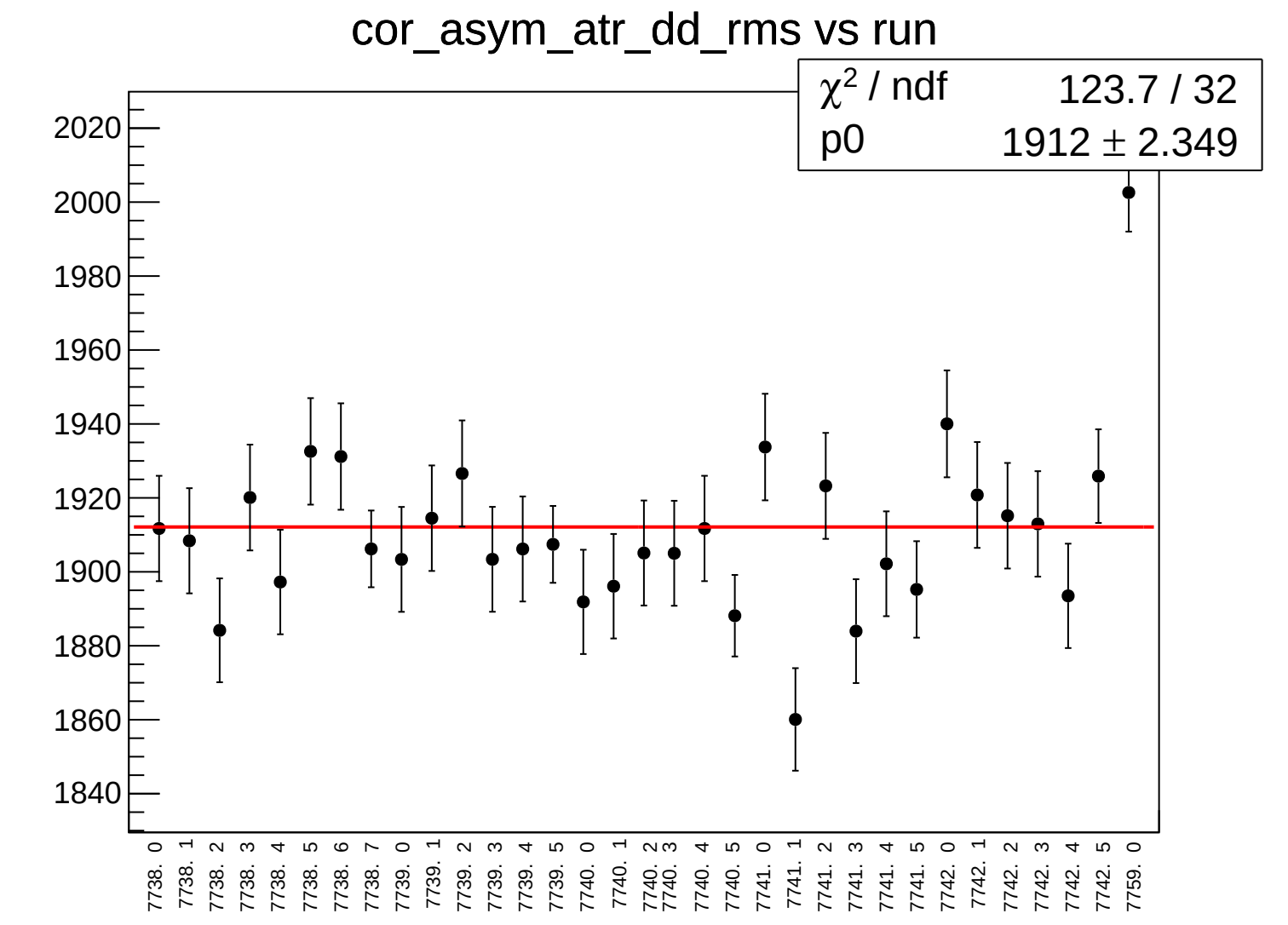

reg_asym_atr_dd_rms vs run
χ^2 / ndf 123.7 / 32
p0 1912 ± 2.349
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

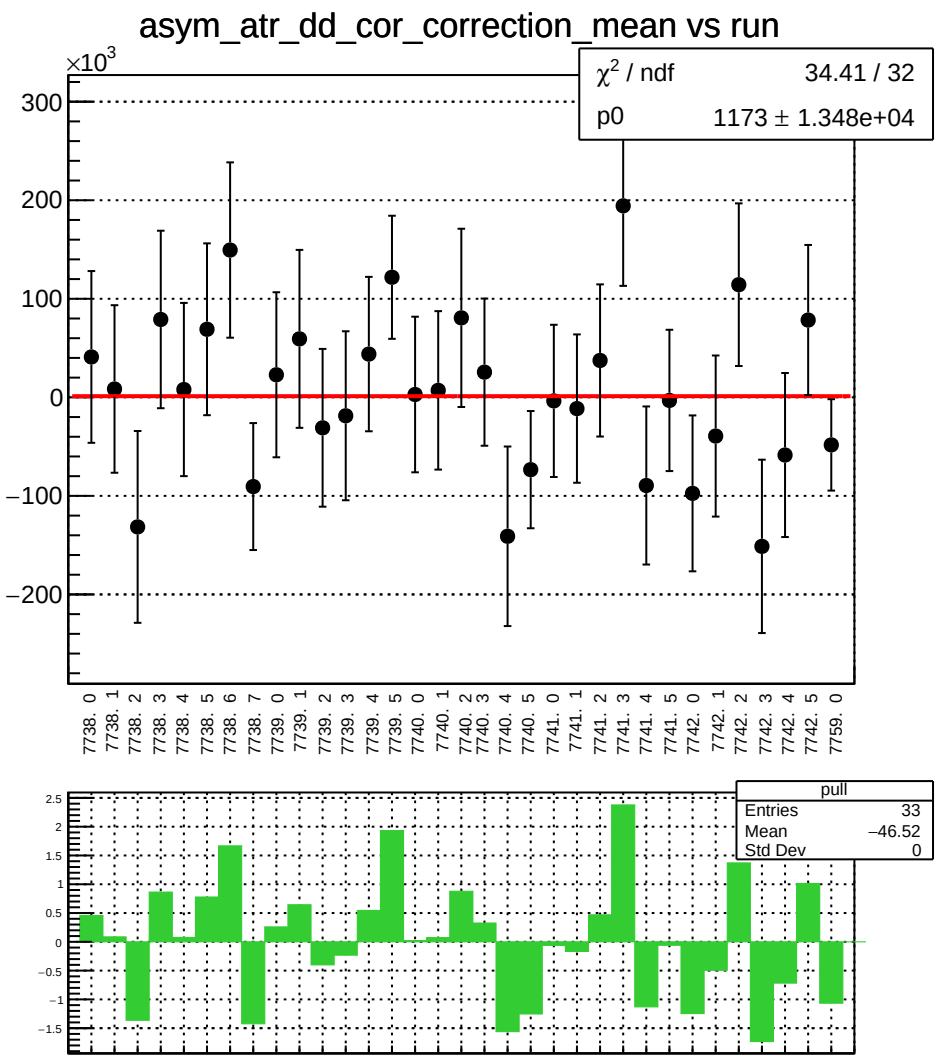

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.41 / 32
p0 1173 ± 1.348e+04
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.02829
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

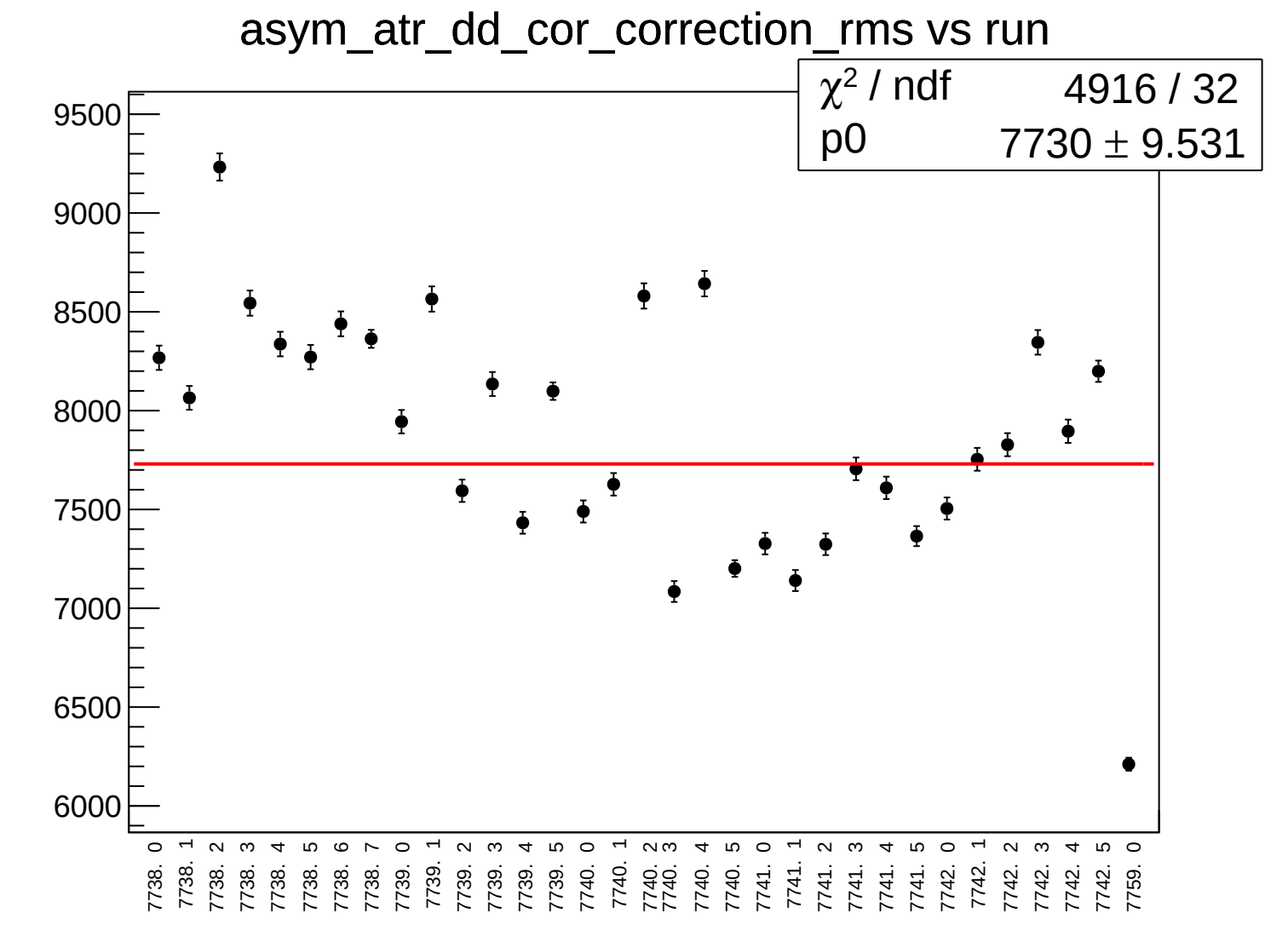

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 4916 / 32
p0 7730 ± 9.531
9500
9000
8500
8000
7500
7000
6500
6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

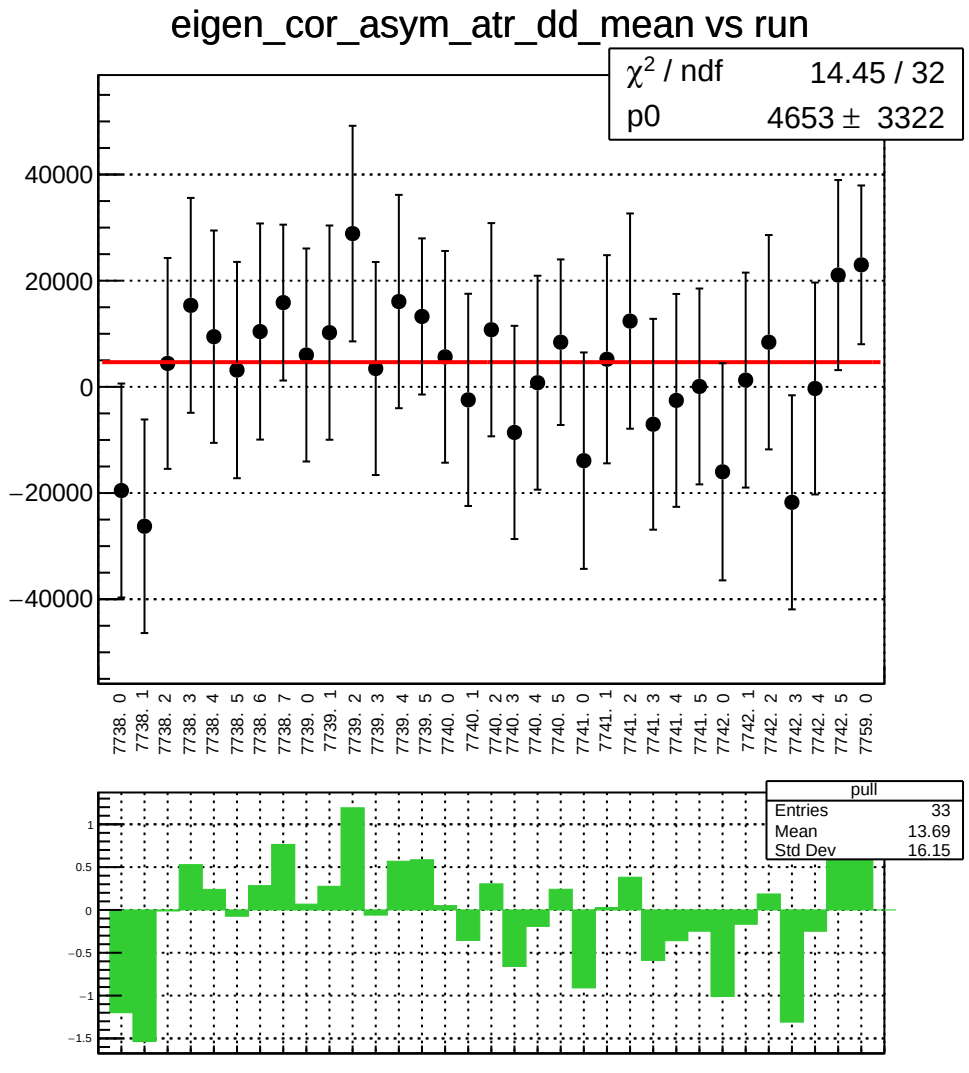

cor_asym_atr_dd_mean vs run
χ² / ndf 14.45 / 32
p0 4653 ± 3322
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.69
Std Dev 16.15
1
0.5
0
−0.5
−1
−1.5

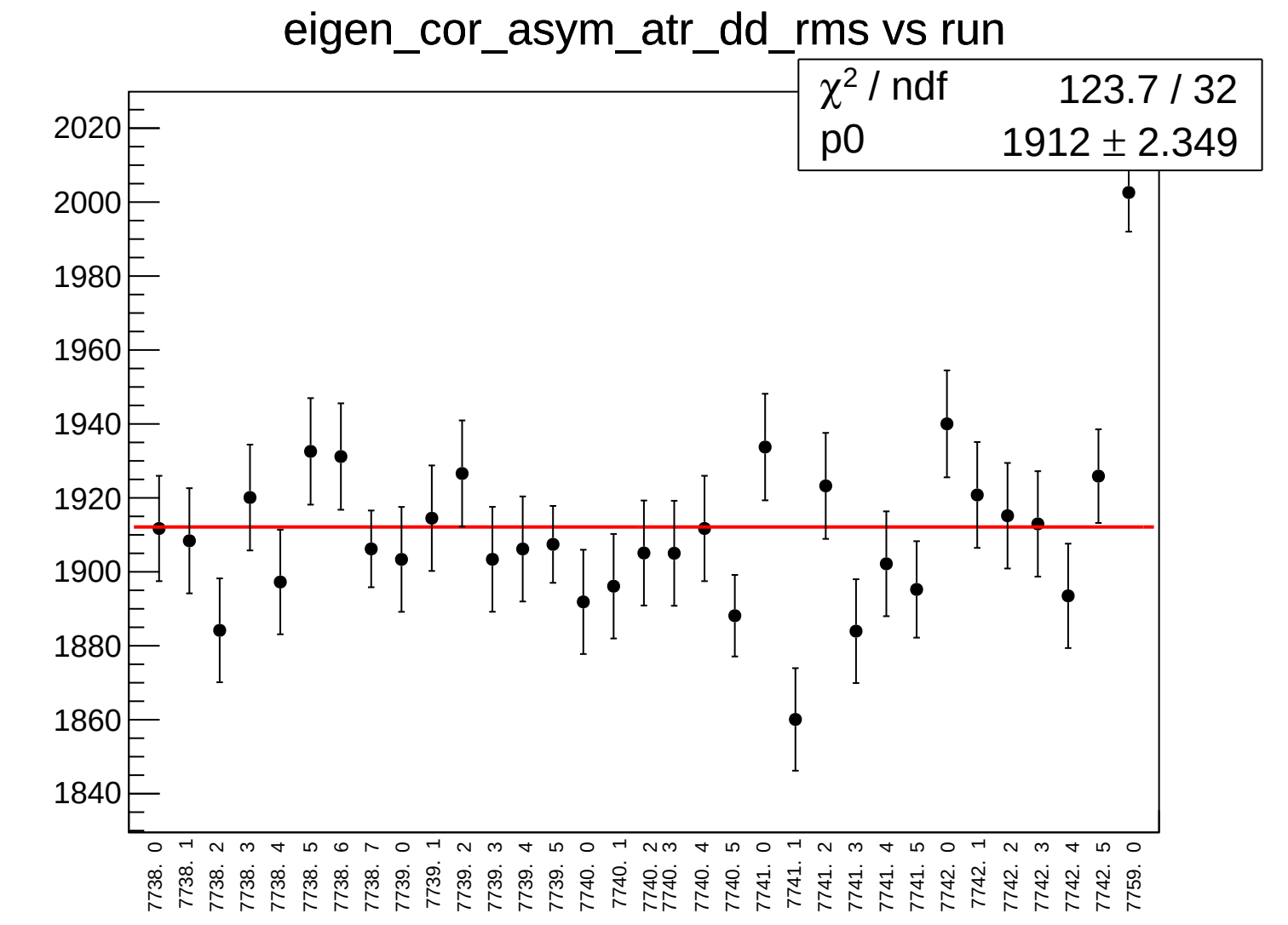

pull1D
Entries 33
Mean −0.03291
Std Dev 0.6608
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

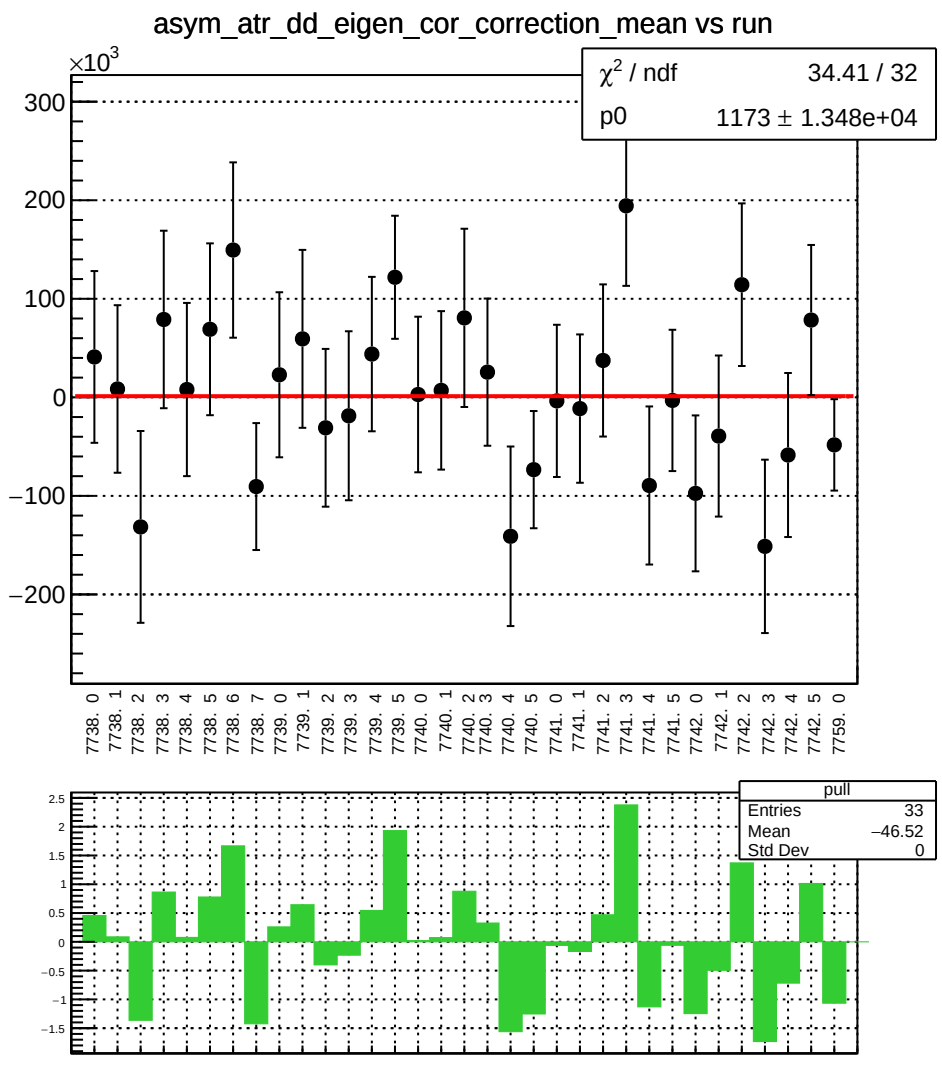

cor_asym_atr_dd_rms vs run
χ² / ndf 123.7 / 32
p0 1912 ± 2.349
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

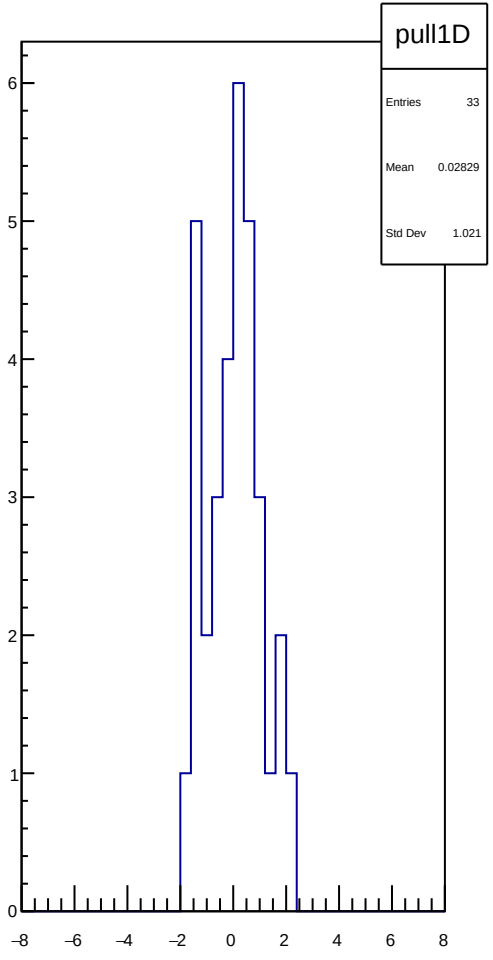

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.41 / 32
p0 1173 ± 1.348e+04
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.02829
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

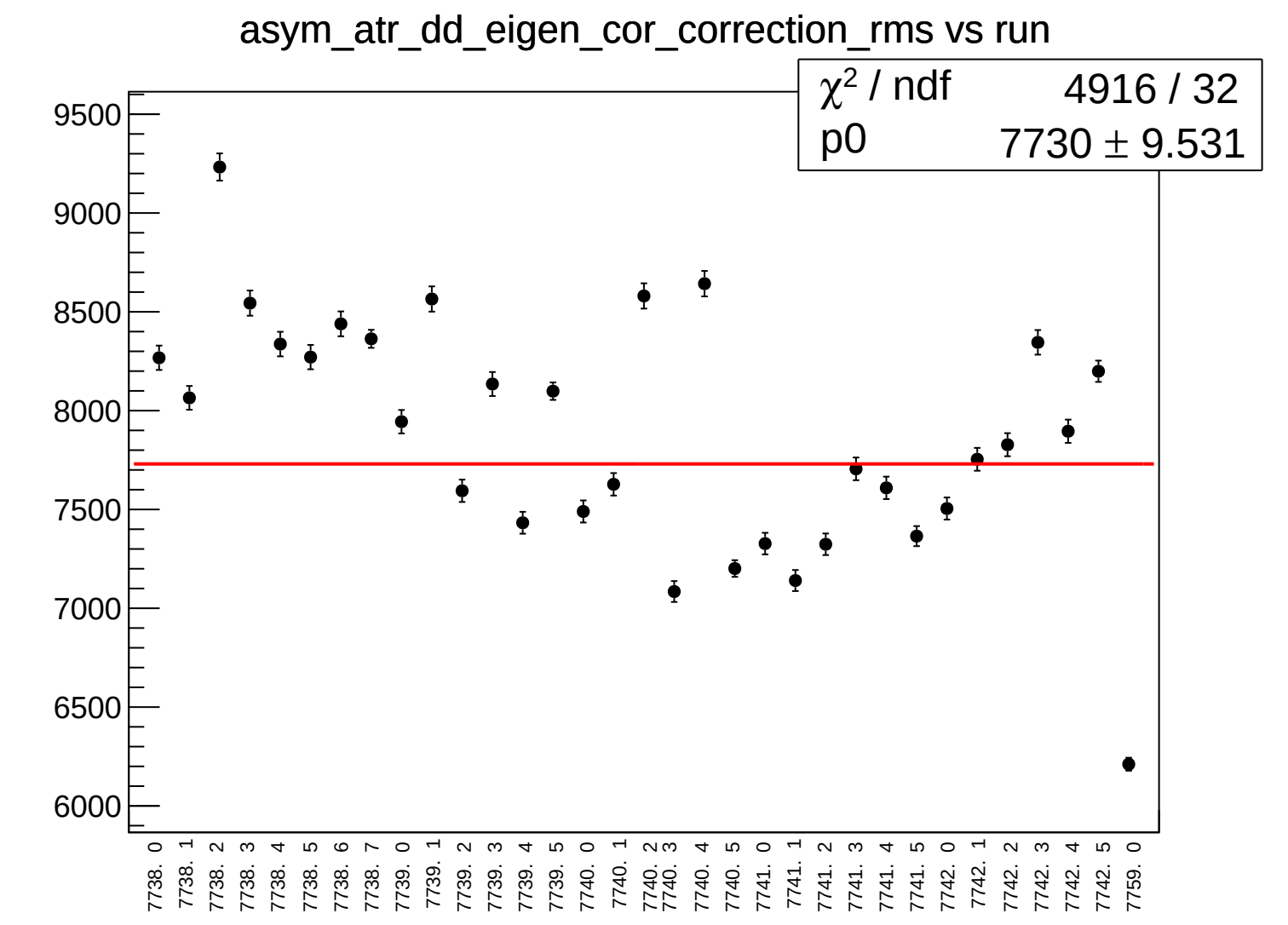

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 4916 / 32
p0 7730 ± 9.531
9500
9000
8500
8000
7500
7000
6500
6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 14.45 / 32
p0 4653 ± 3322
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.69
Std Dev 16.15
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.03291
Std Dev 0.6608
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 123.7 / 32
p0 1912 ± 2.349
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.41 / 32
p0 1173 ± 1.348e+04
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 33
Mean 0.02829
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 4916 / 32
p0 7730 ± 9.531
9500
9000
8500
8000
7500
7000
6500
6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
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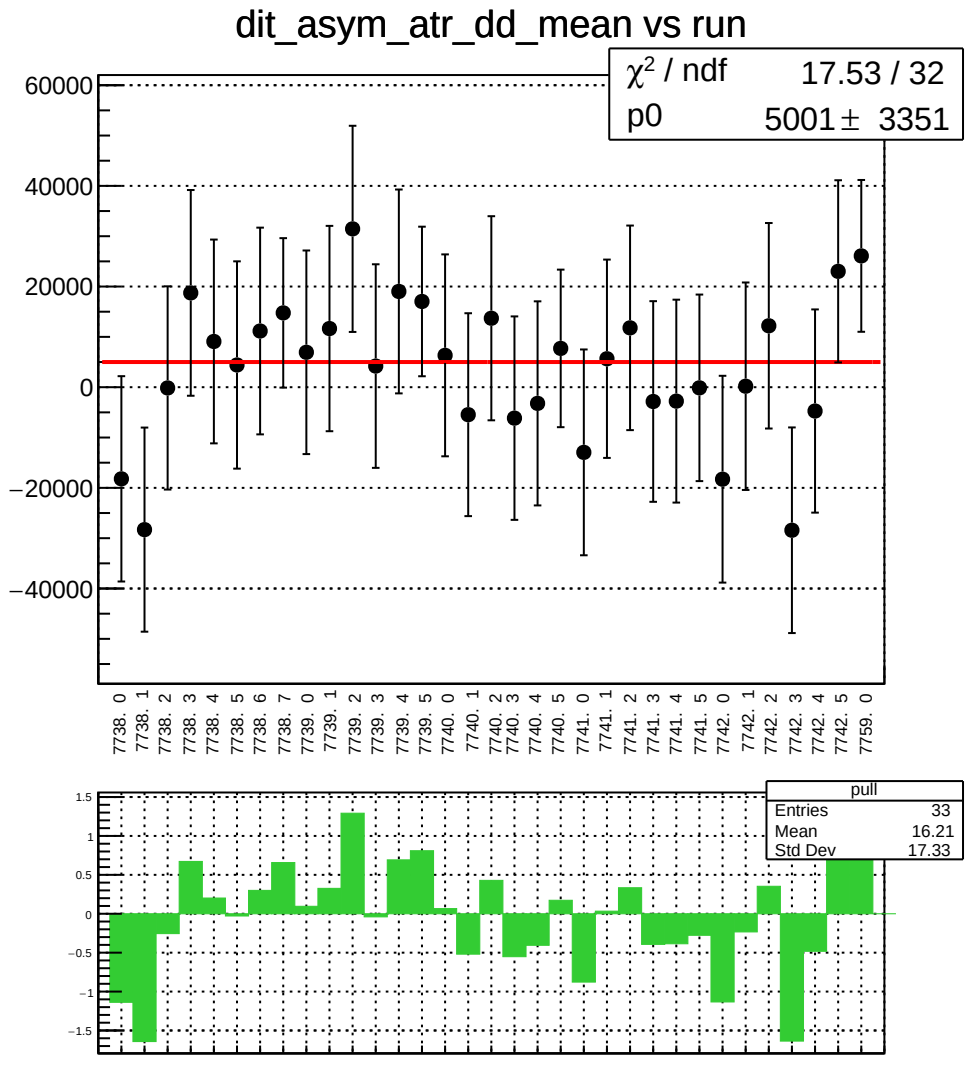
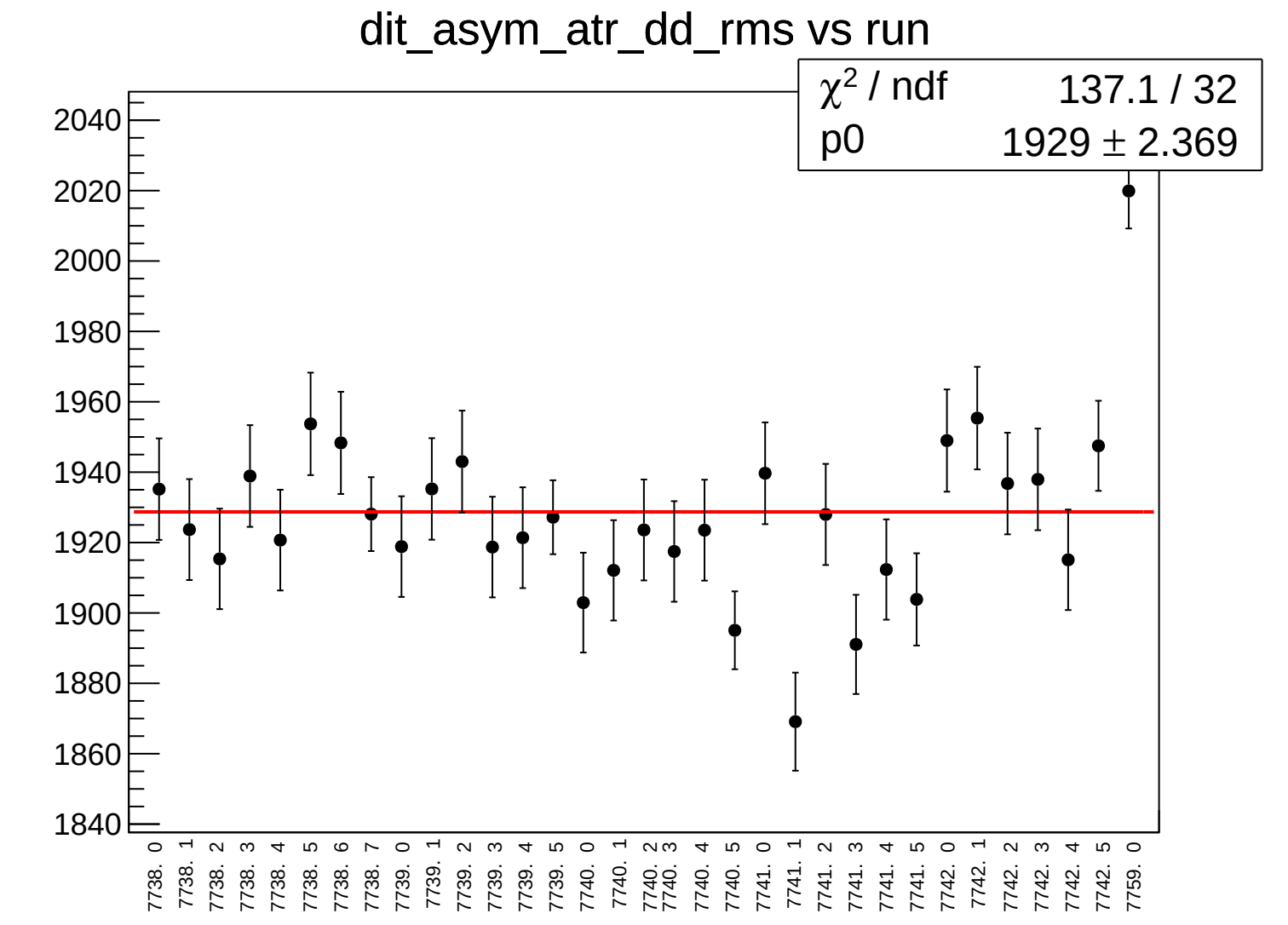
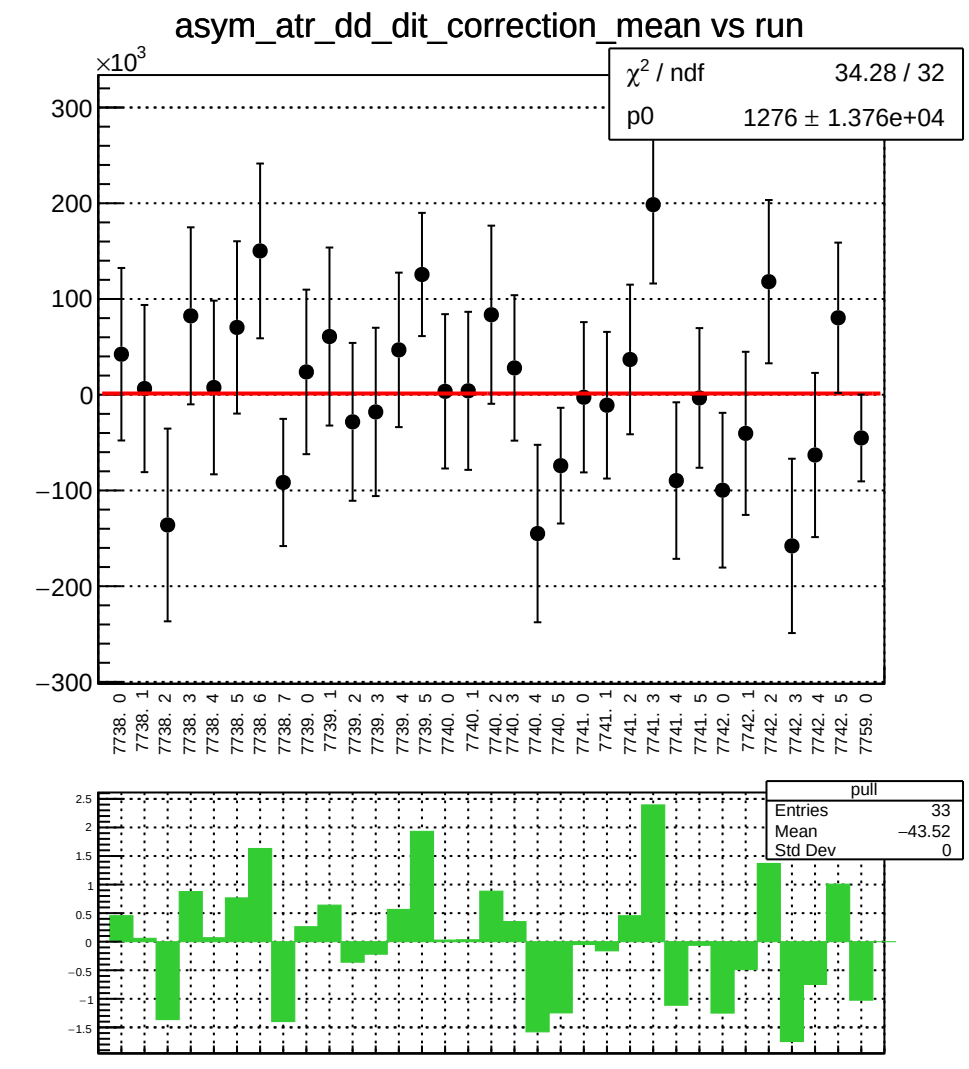
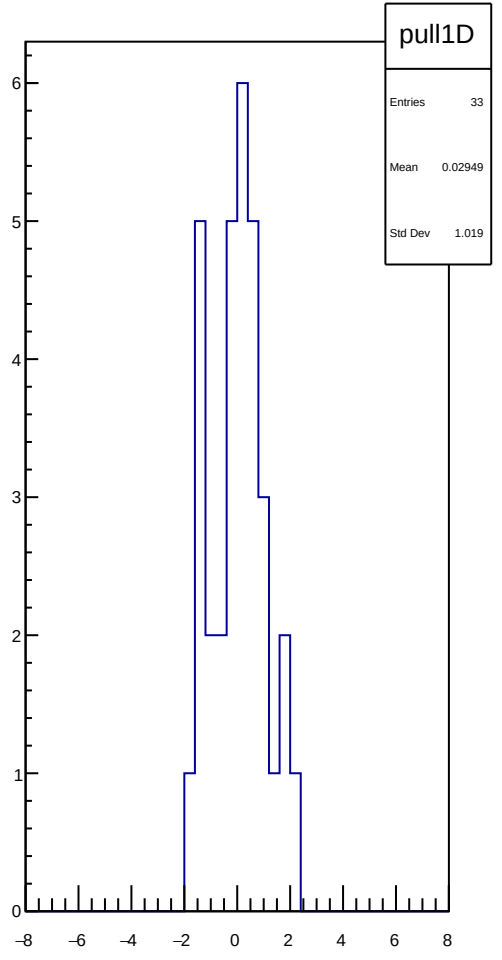
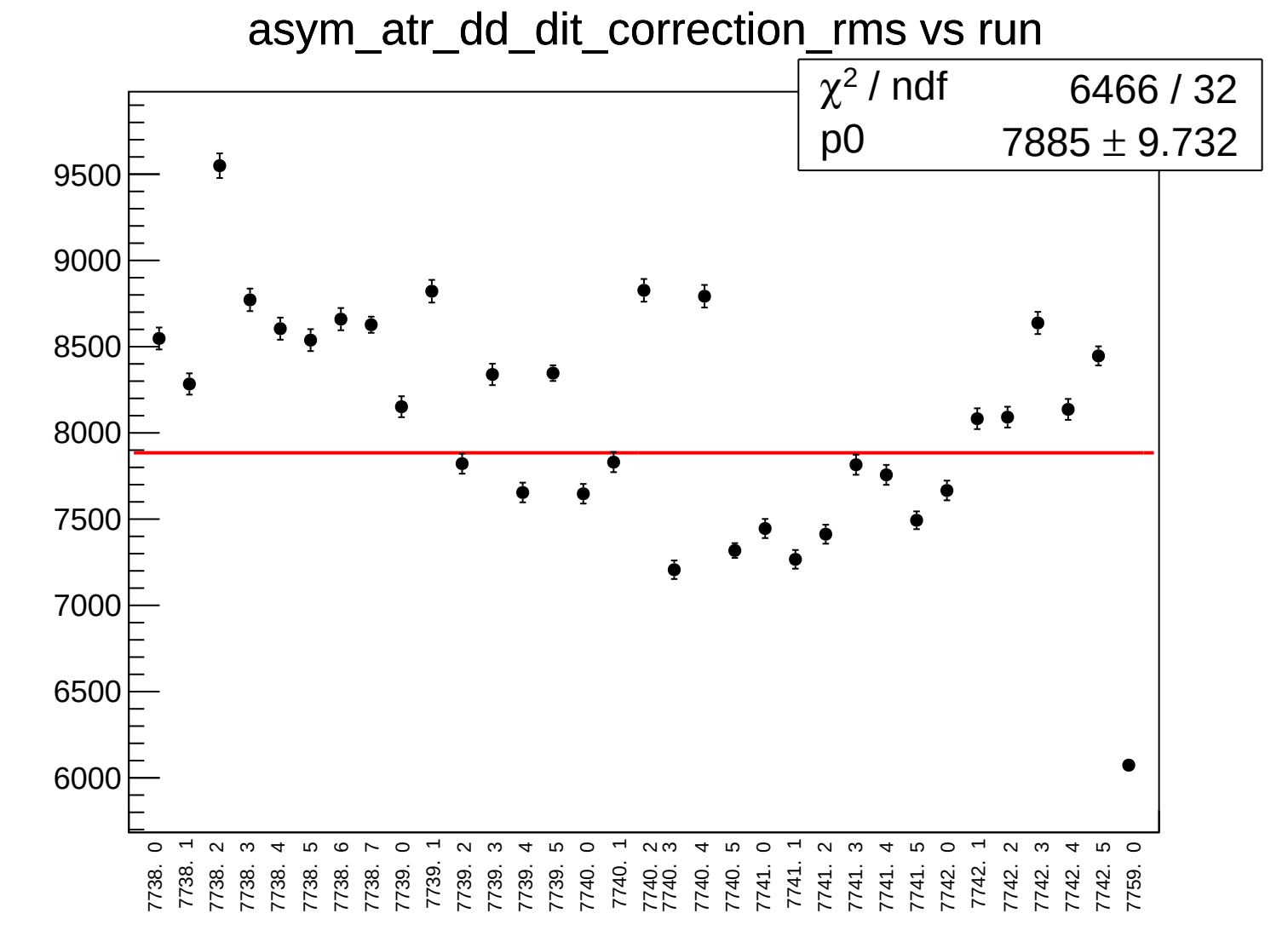
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

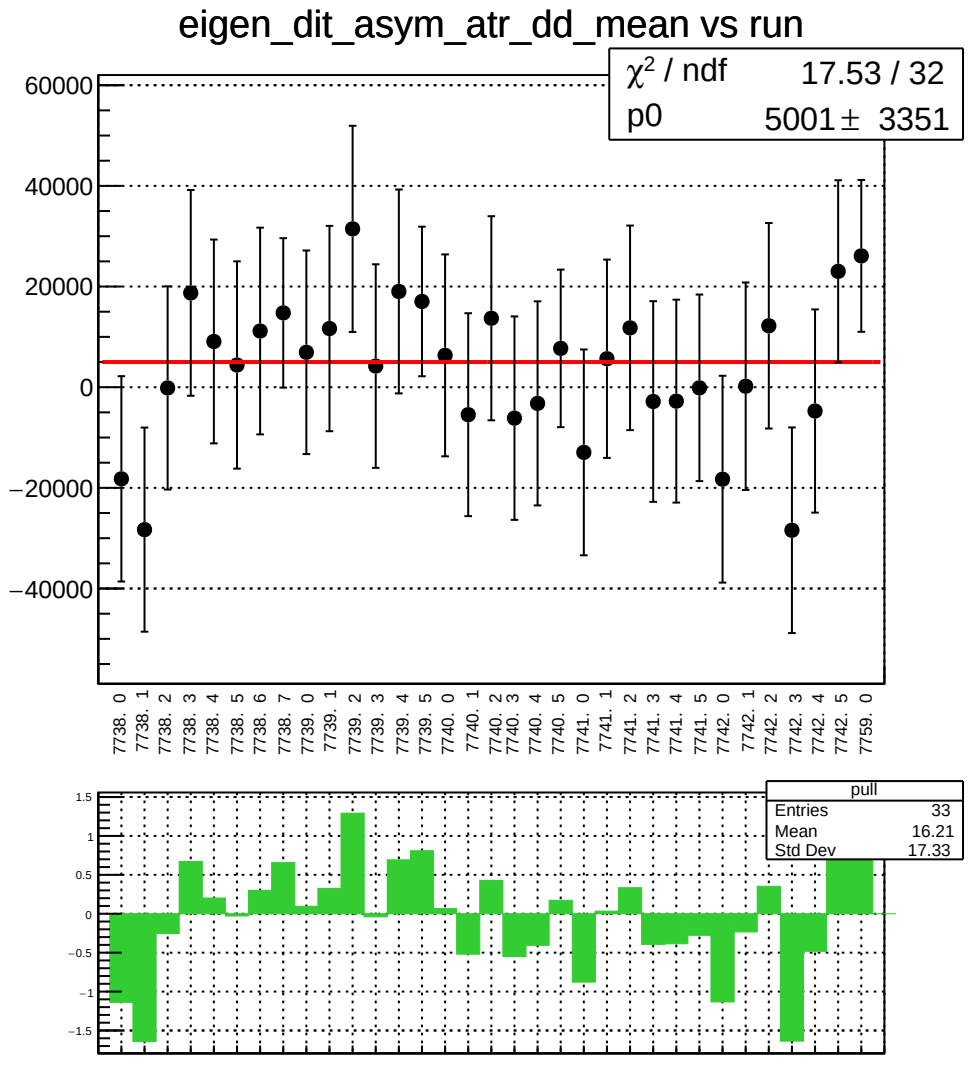

dit_asym_atr_dd_mean vs run
χ² / ndf 17.53 / 32
p0 5001 ± 3351
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.21
Std Dev 17.33
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.03534
Std Dev 0.728
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

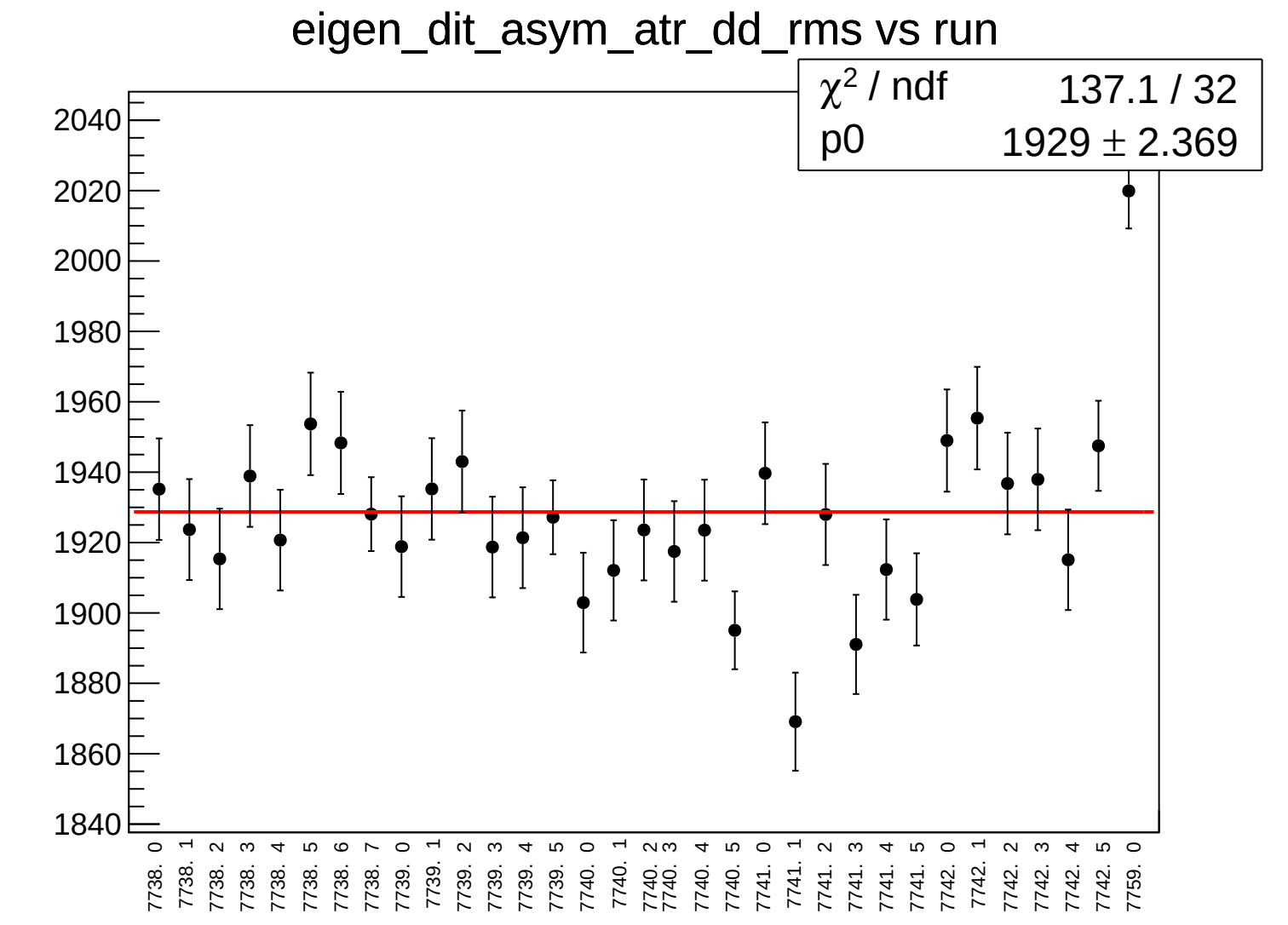

dit_asym_atr_dd_rms vs run
χ² / ndf 137.1 / 32
p0 1929 ± 2.369
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

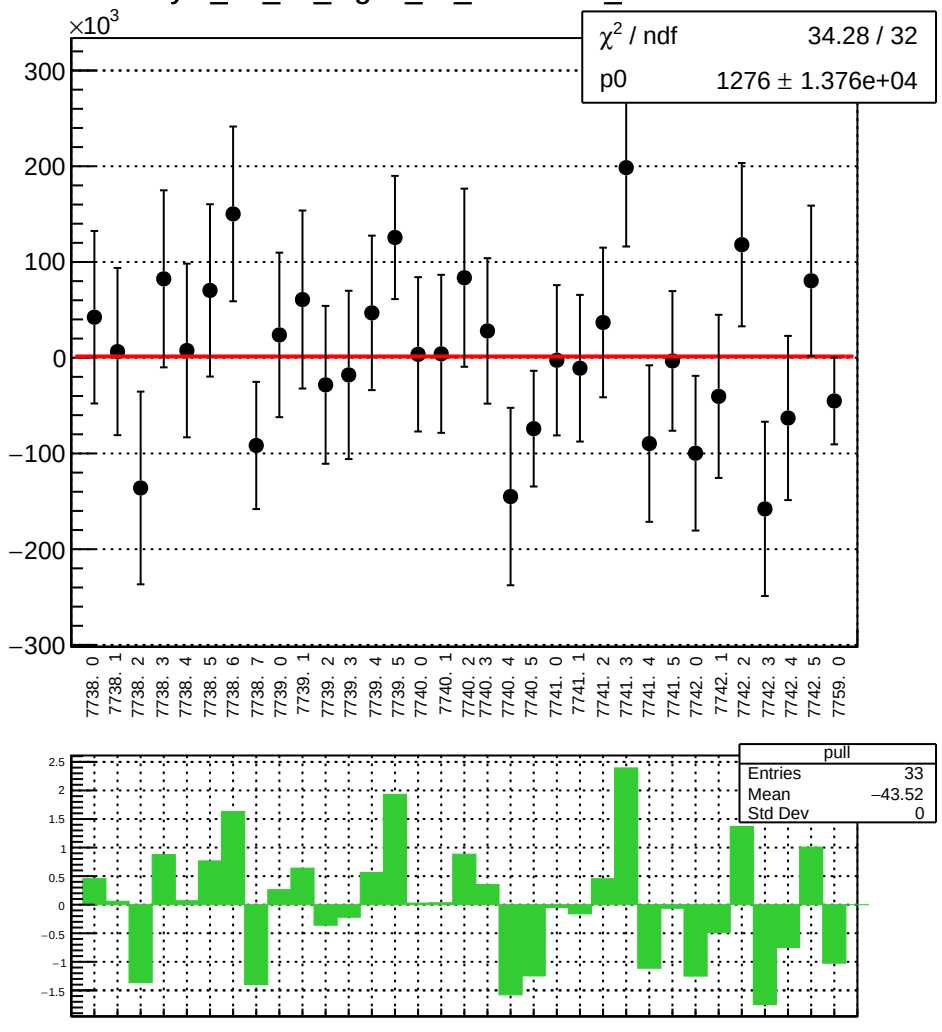

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.28 / 32
p0 1276 ± 1.376e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −43.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

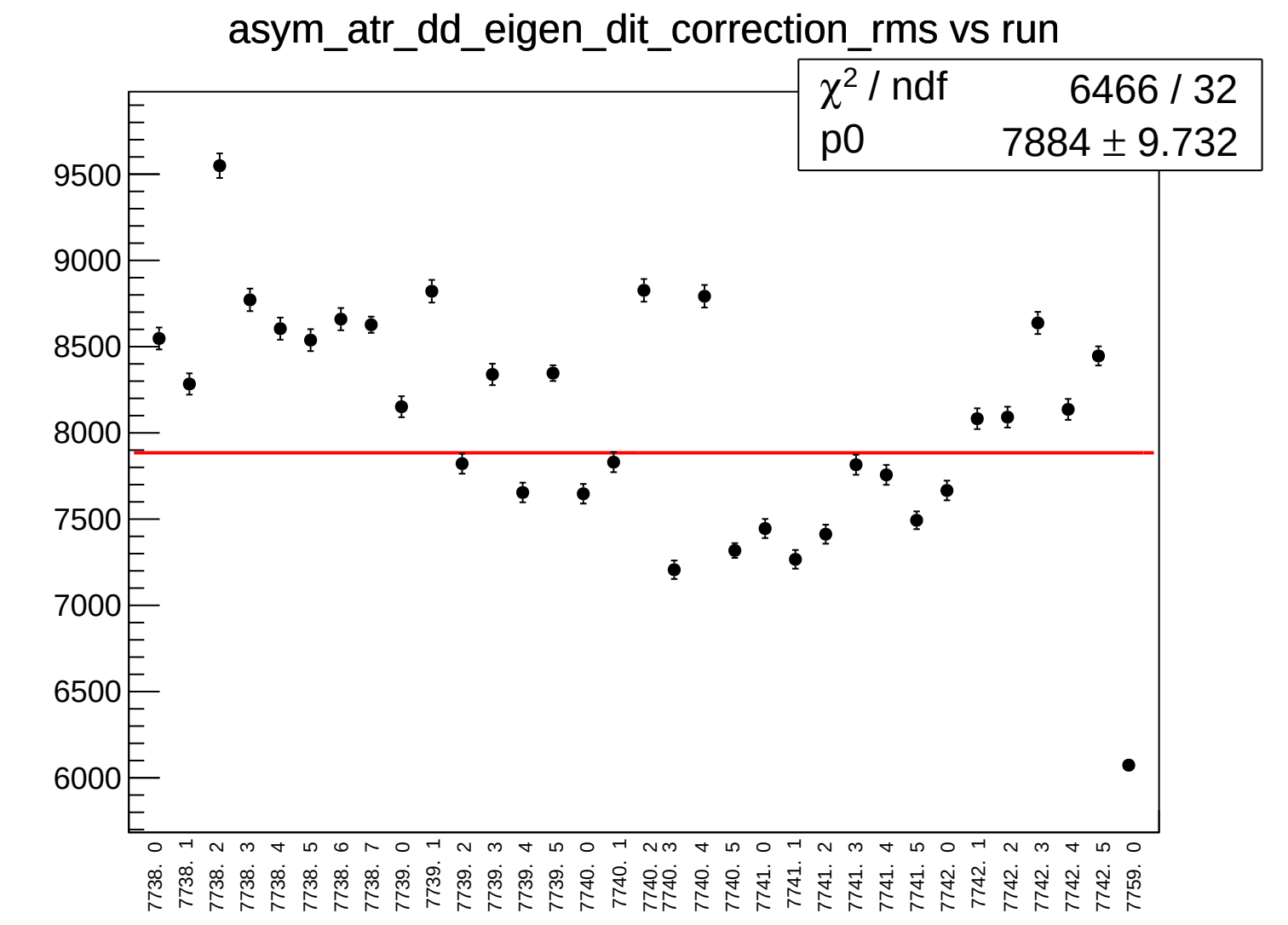

pull1D
Entries 33
Mean 0.02949
Std Dev 1.019
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

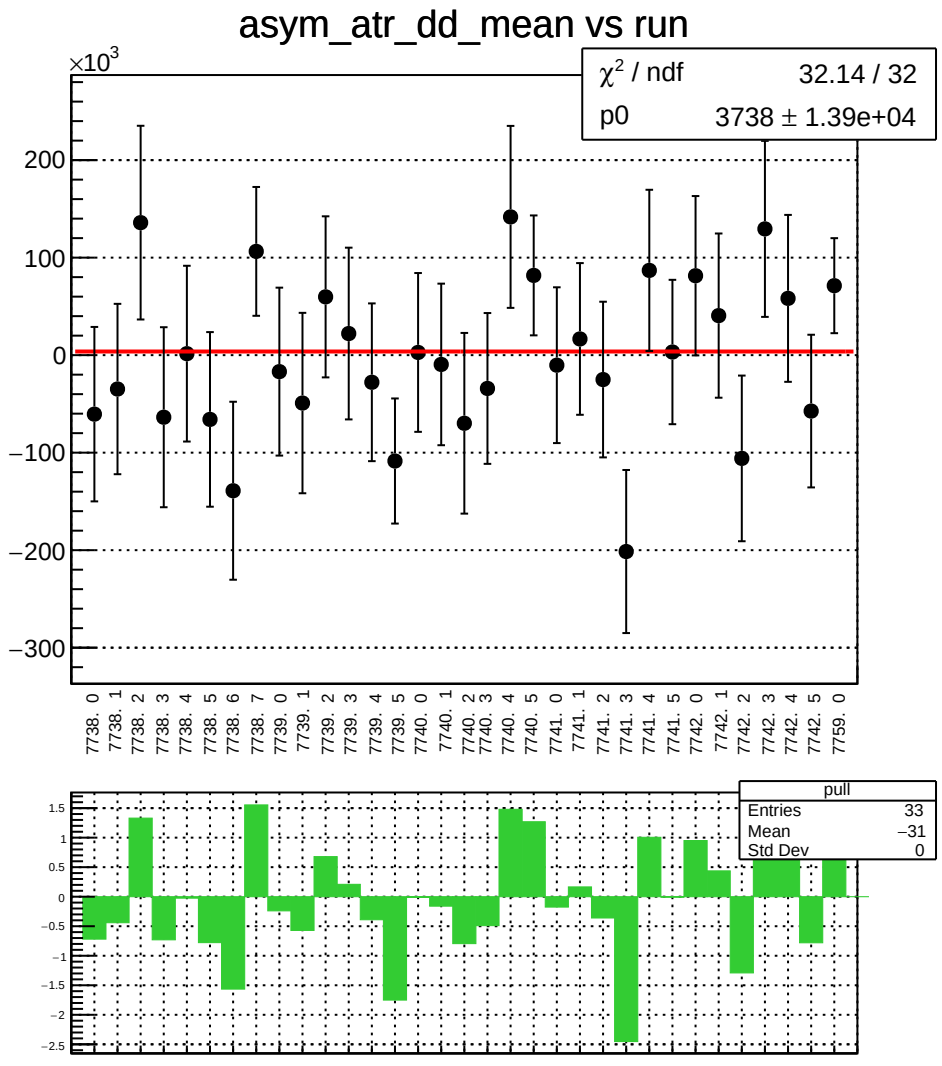

asym_atr_dd_dit_correction_rms vs run
χ^2 / ndf 6466 / 32
p0 7885 ± 9.732
9500
9000
8500
8000
7500
7000
6500
6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

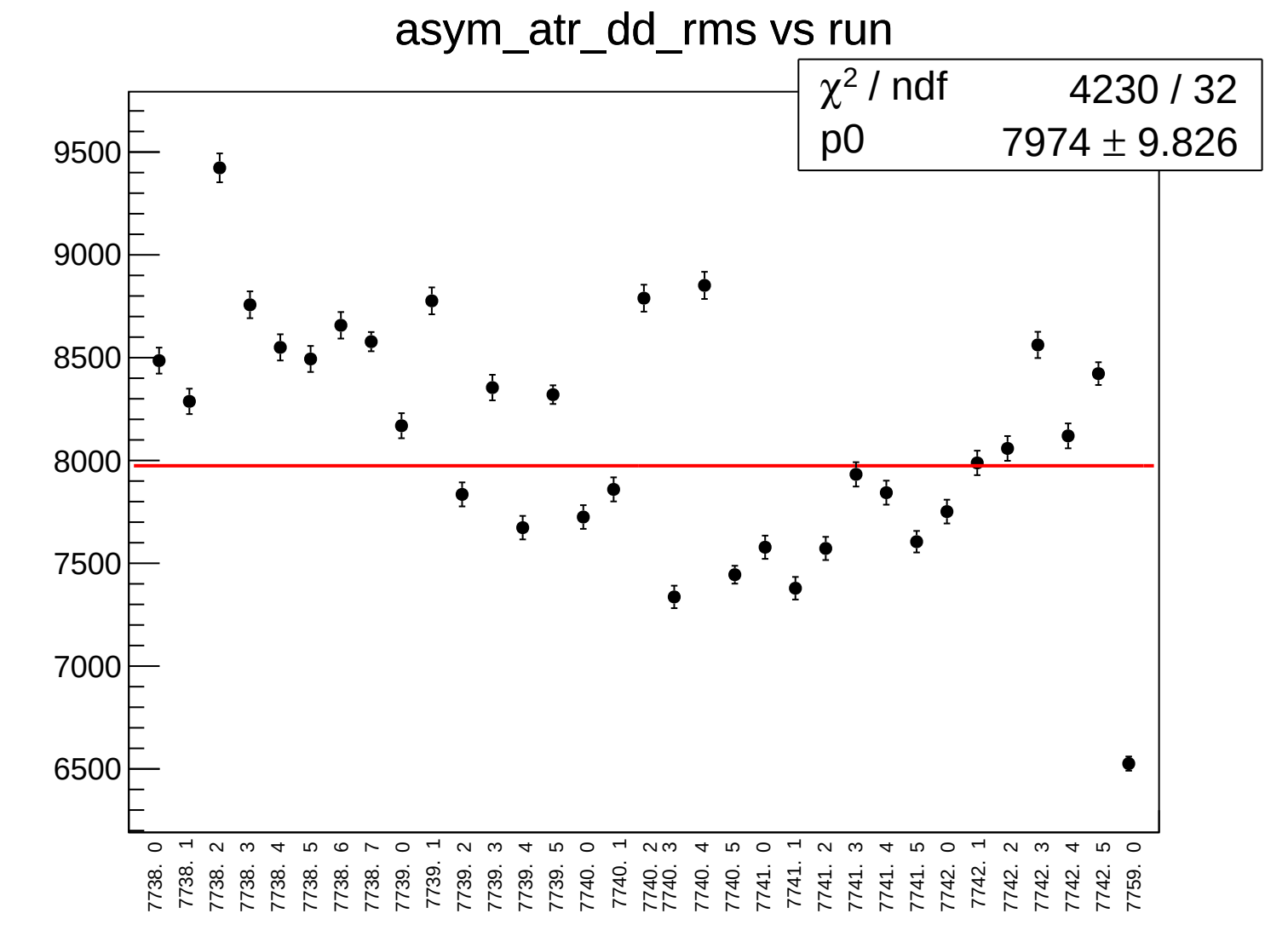

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 17.53 / 32
p0 5001 ± 3351
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.21
Std Dev 17.33
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.03534
Std Dev 0.728
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

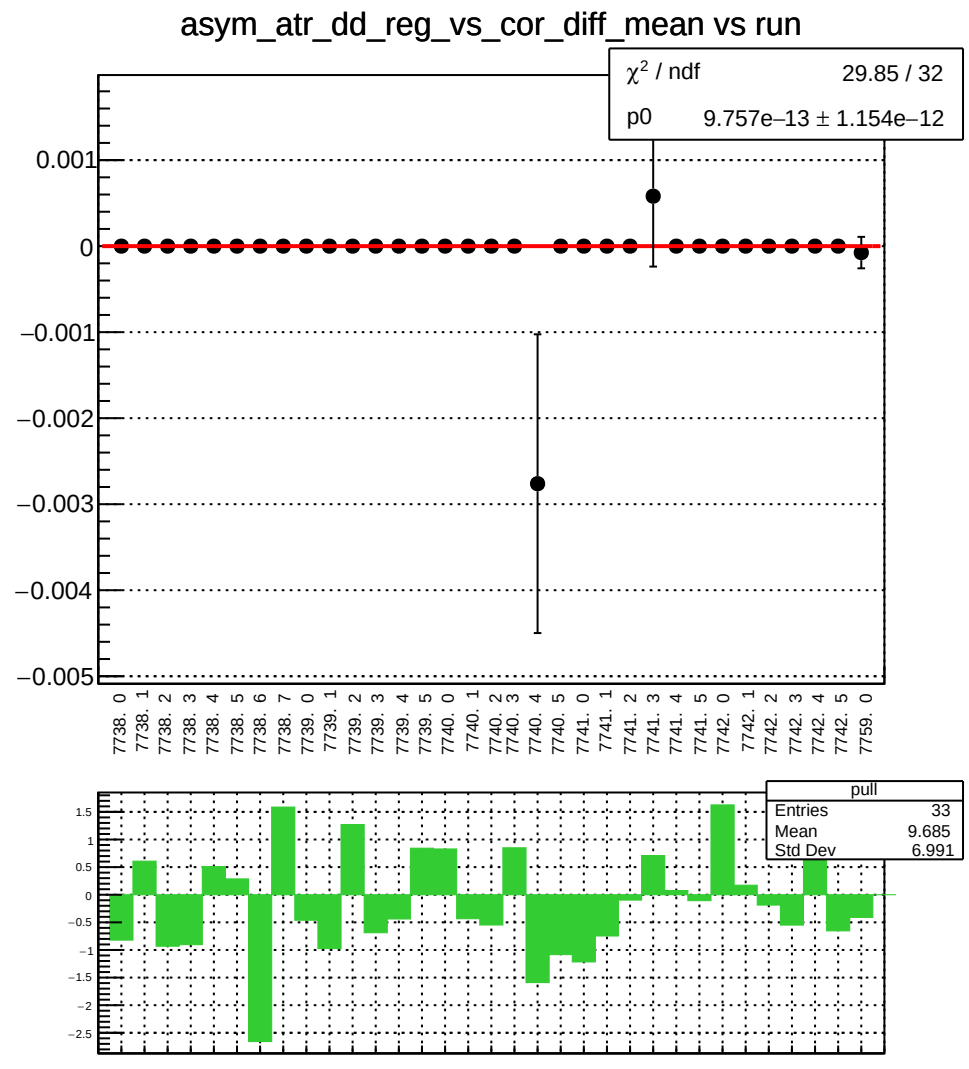

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 137.1 / 32
p0 1929 ± 2.369
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

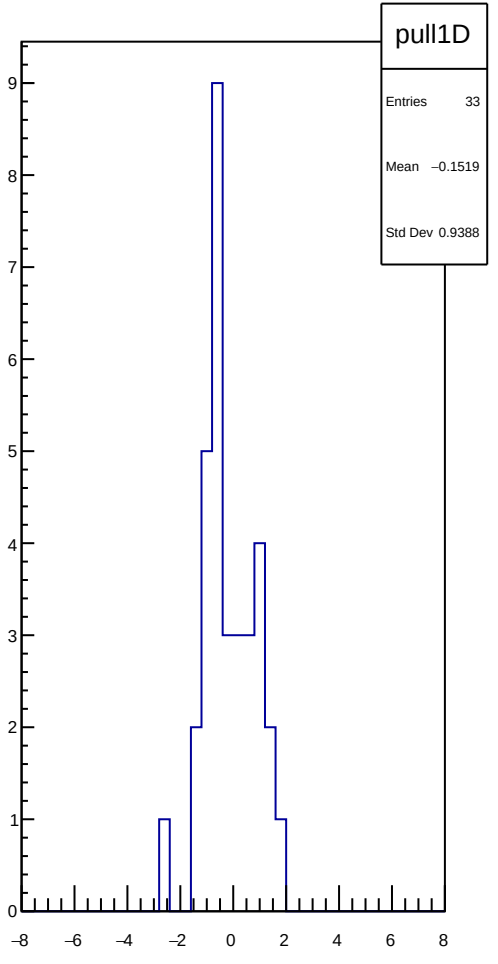

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.28 / 32
p0 1276 ± 1.376e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −43.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.02949
Std Dev 1.019
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

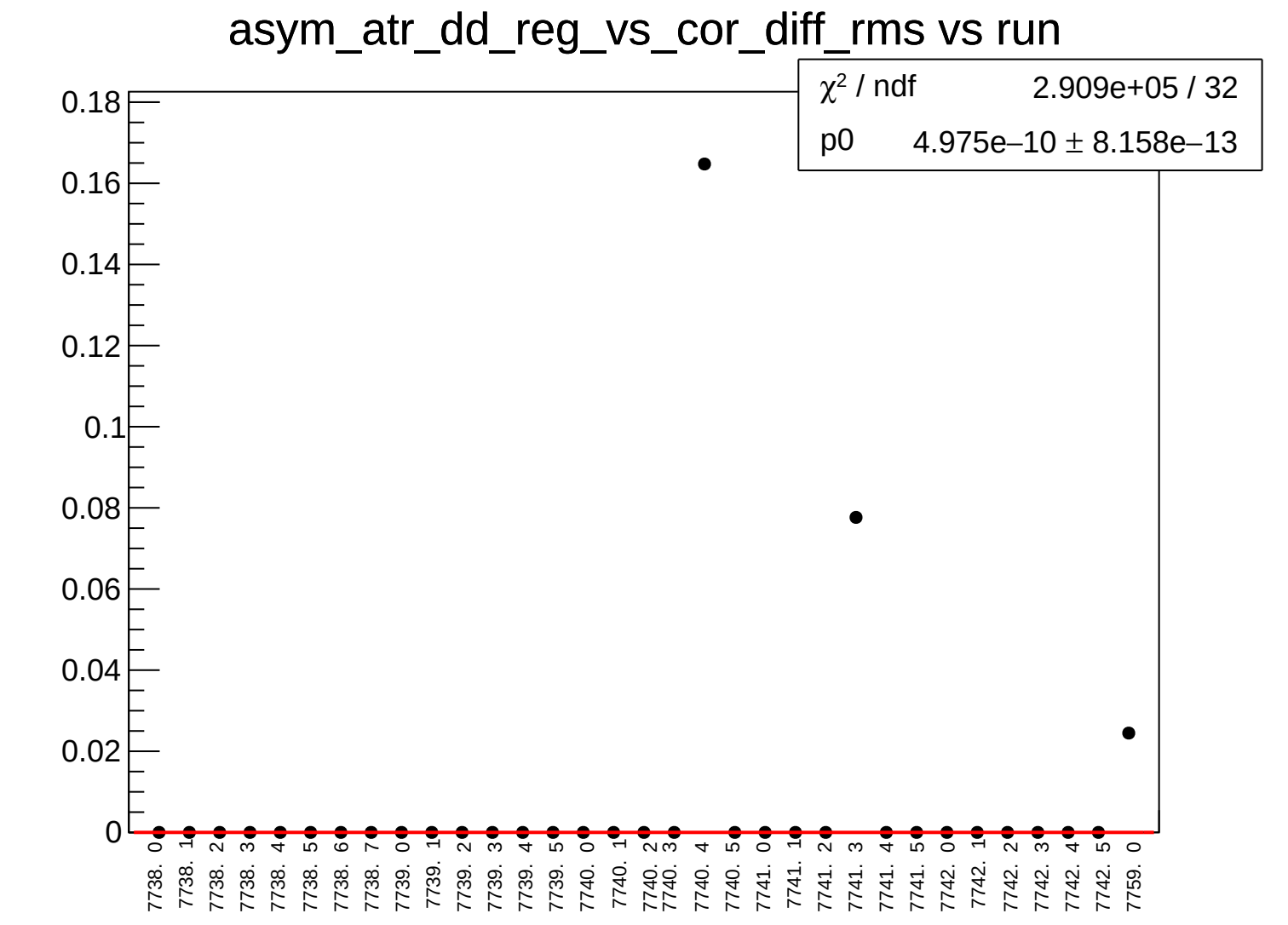

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 6466 / 32
p0 7884 ± 9.732
9500
9000
8500
8000
7500
7000
6500
6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

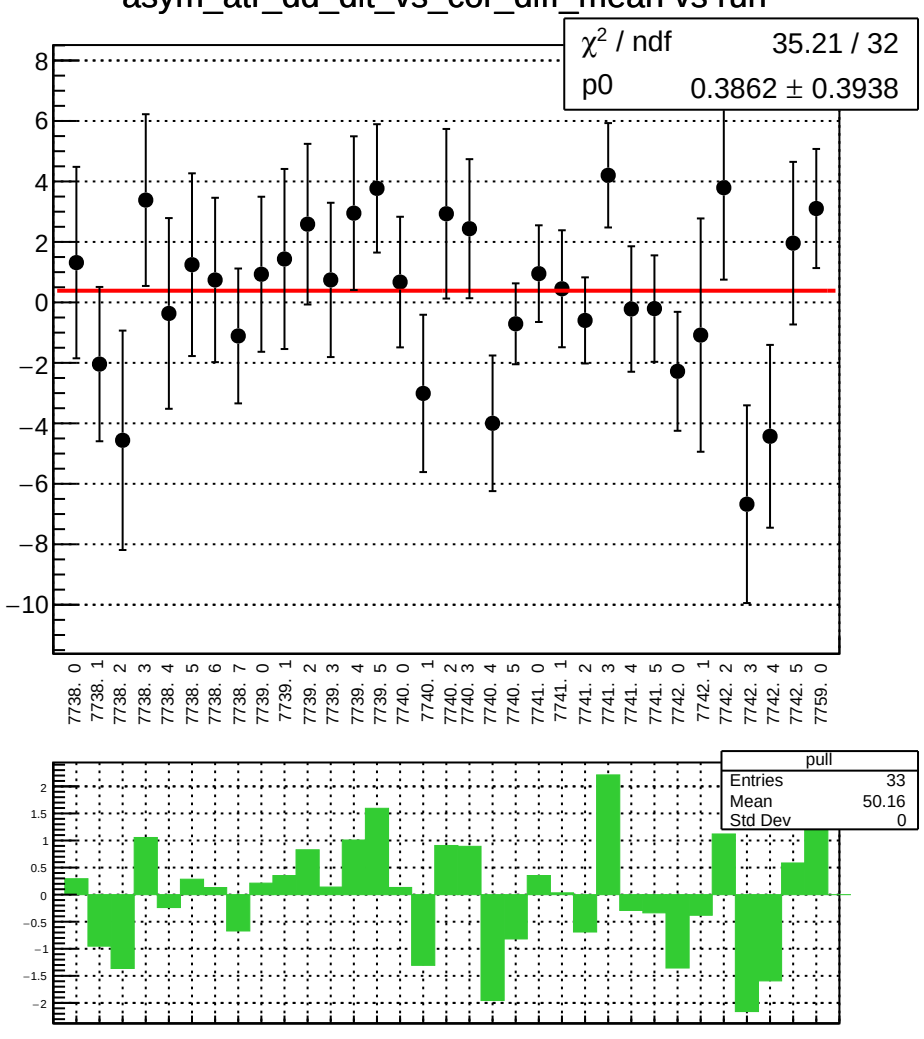

asym_atr_dd_mean vs run
×10^3
χ² / ndf 32.14 / 32
p0 3738 ± 1.39e+04
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03741
Std Dev 0.9862
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

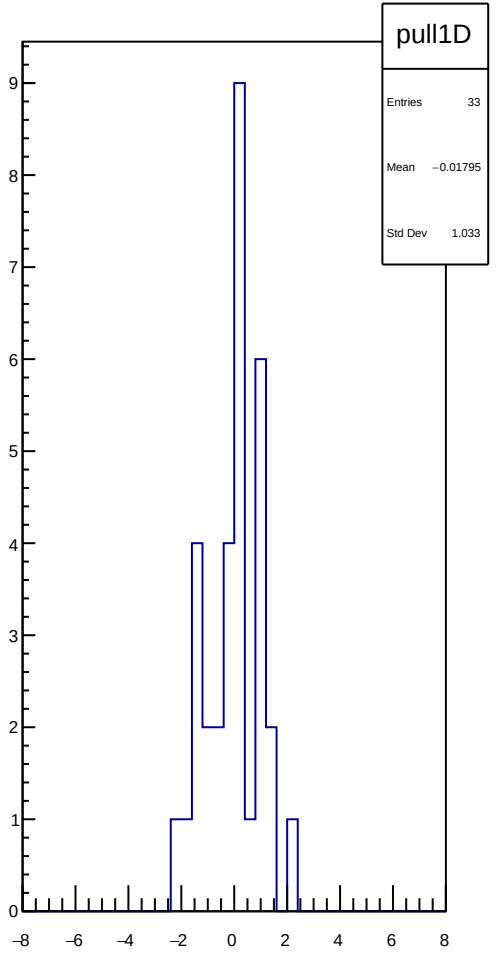

asym_atr_dd_rms vs run
χ^2 / ndf 4230 / 32
p0 7974 ± 9.826
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

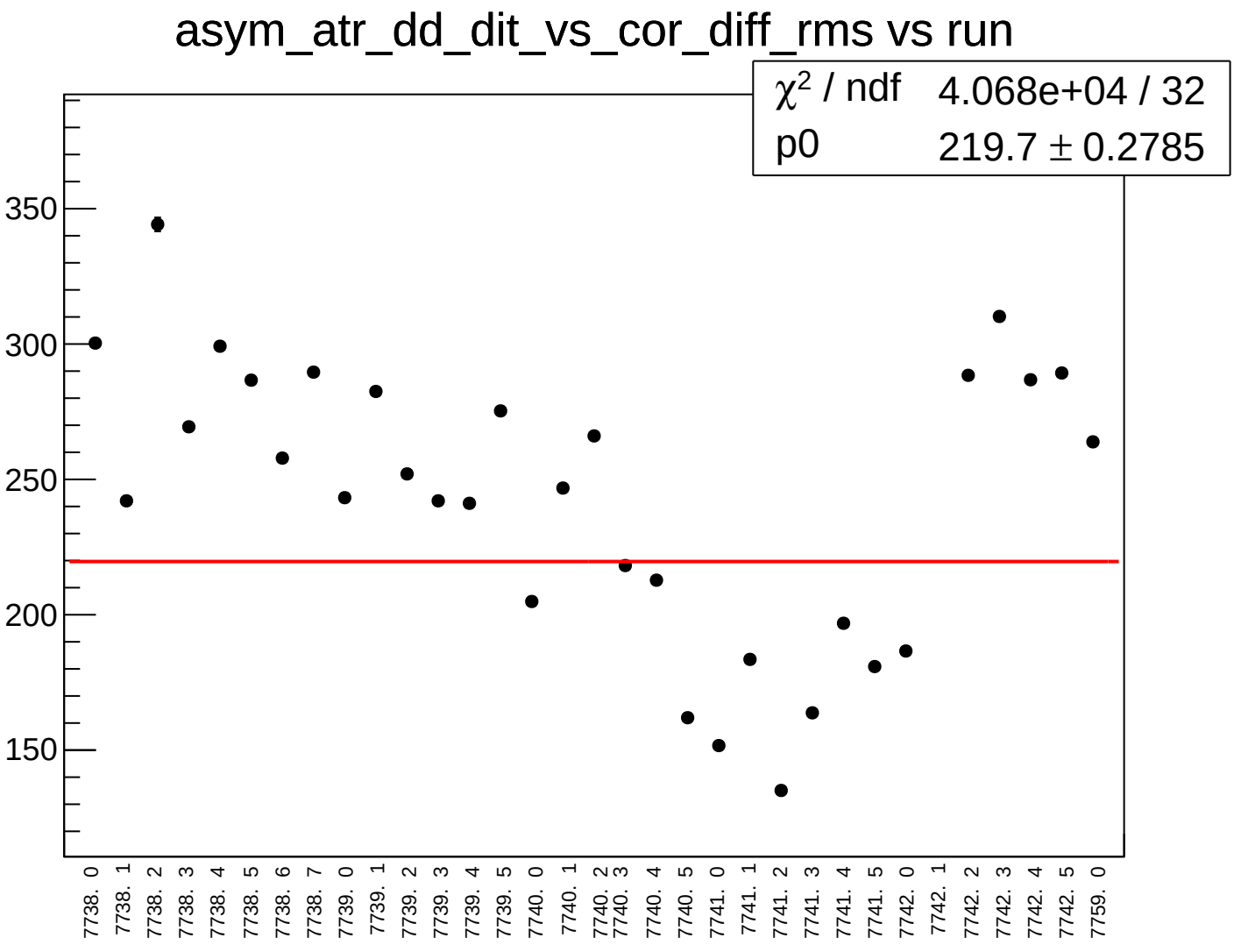

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 29.85 / 32
p0 9.757e−13 ± 1.154e−12
0.001
0
−0.001
−0.002
−0.003
−0.004
−0.005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.685
Std Dev 6.991
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

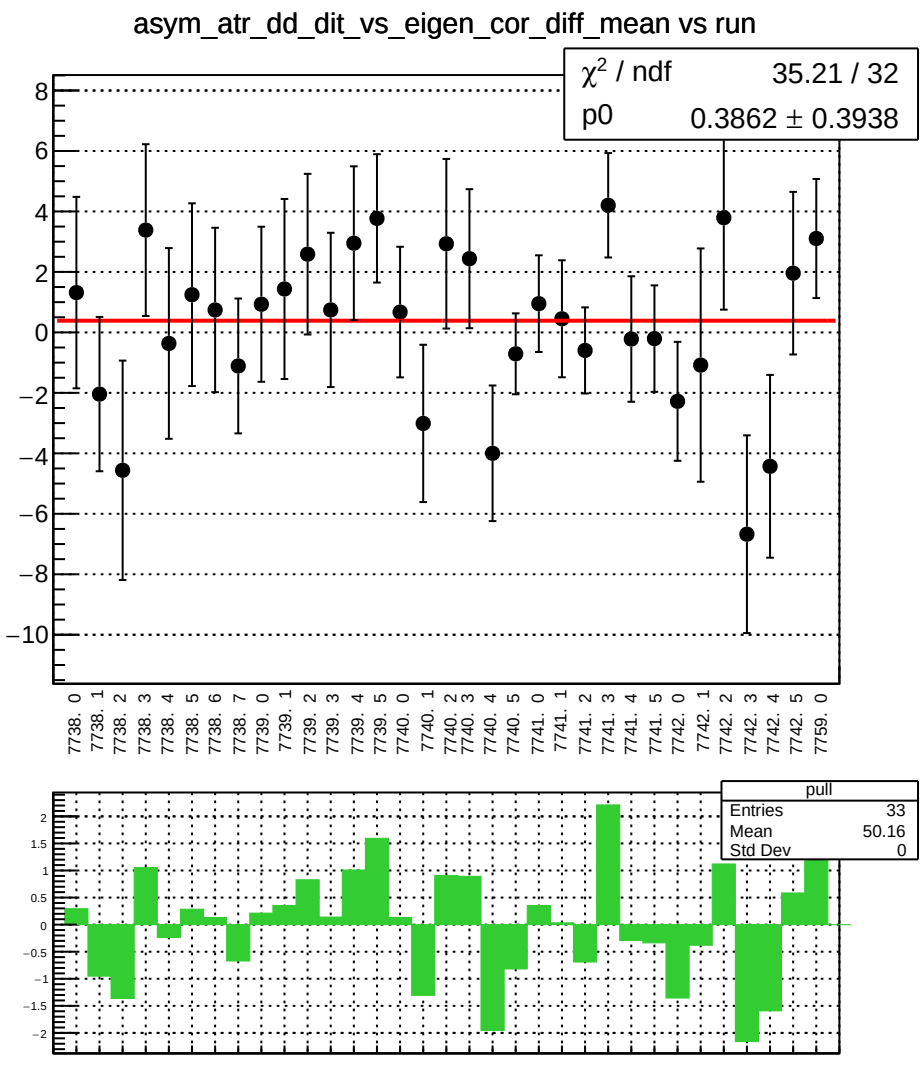

pull1D
Entries 33
Mean −0.1519
Std Dev 0.9388
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

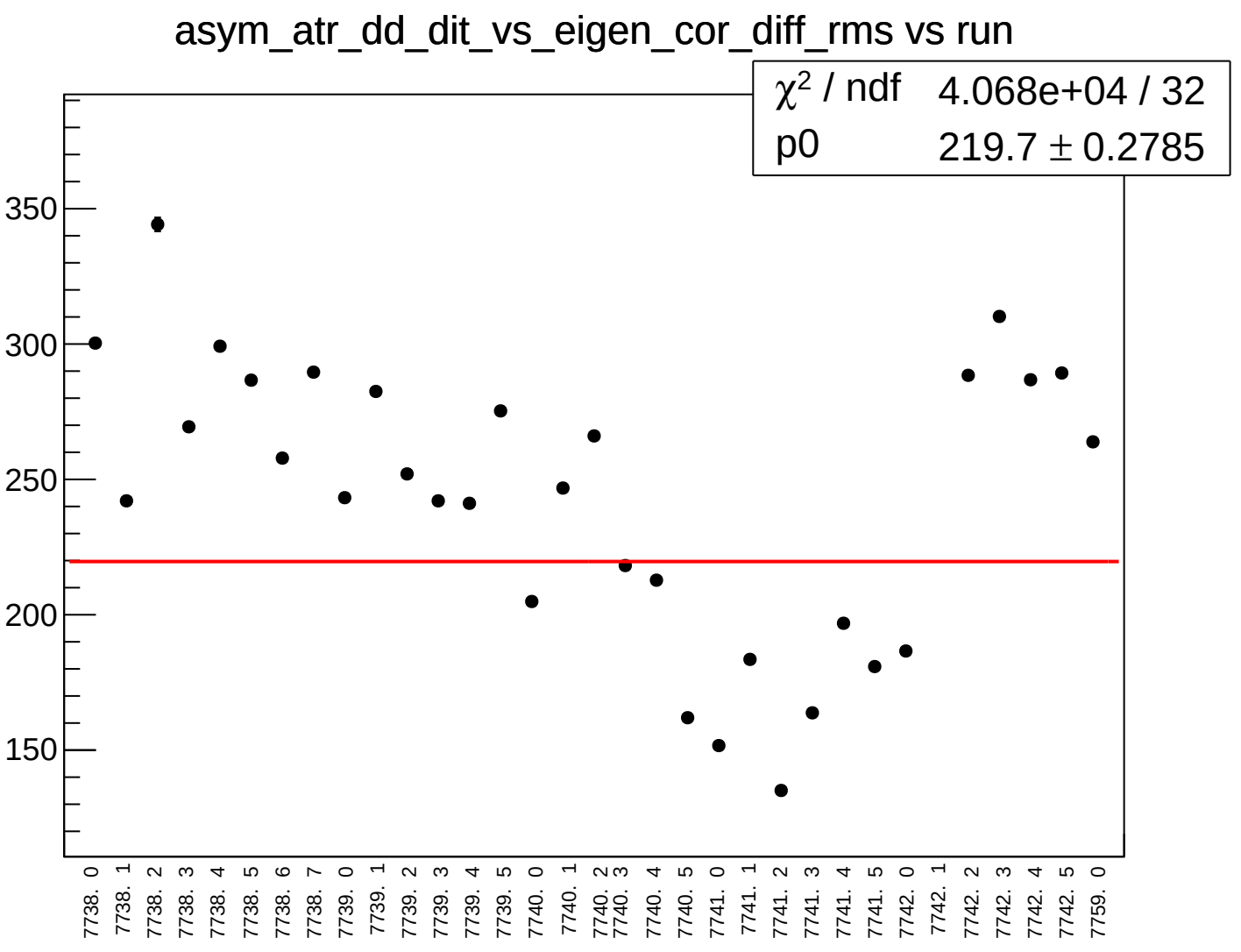

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.909e+05 / 32
p0 4.975e−10 ± 8.158e−13
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

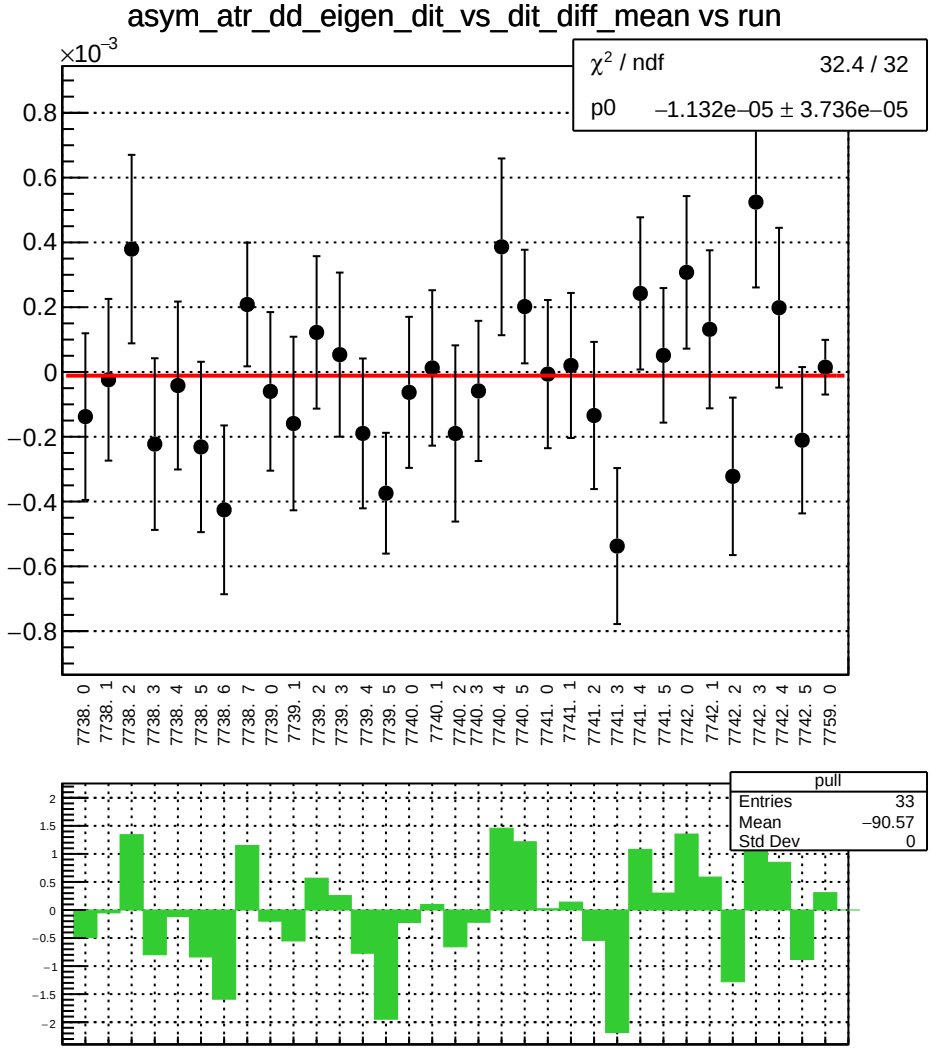

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.21 / 32
p0 0.3862 ± 0.3938
pull
Entries 33
Mean 50.16
Std Dev 0

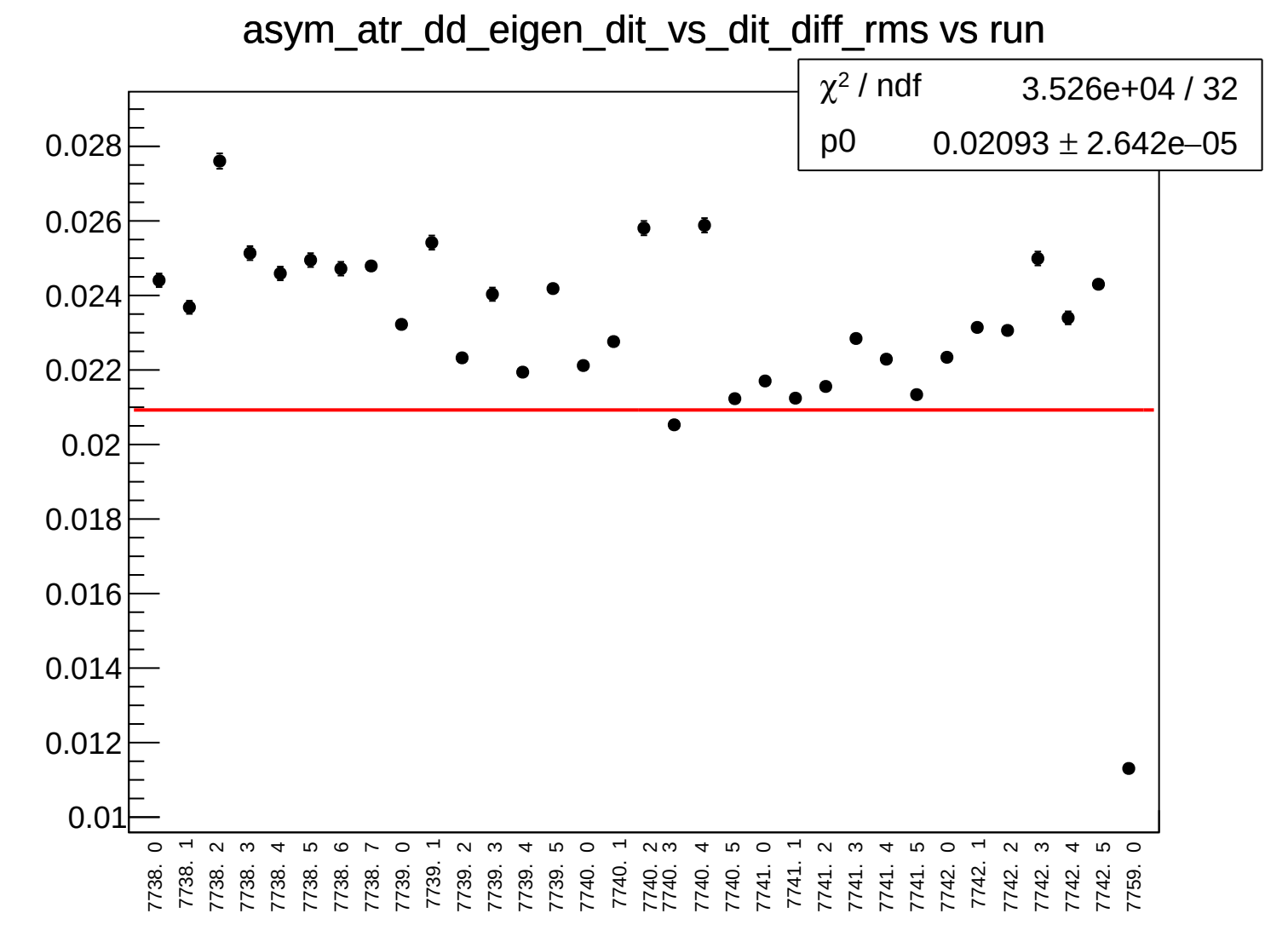

pull1D
Entries 33
Mean −0.01795
Std Dev 1.033

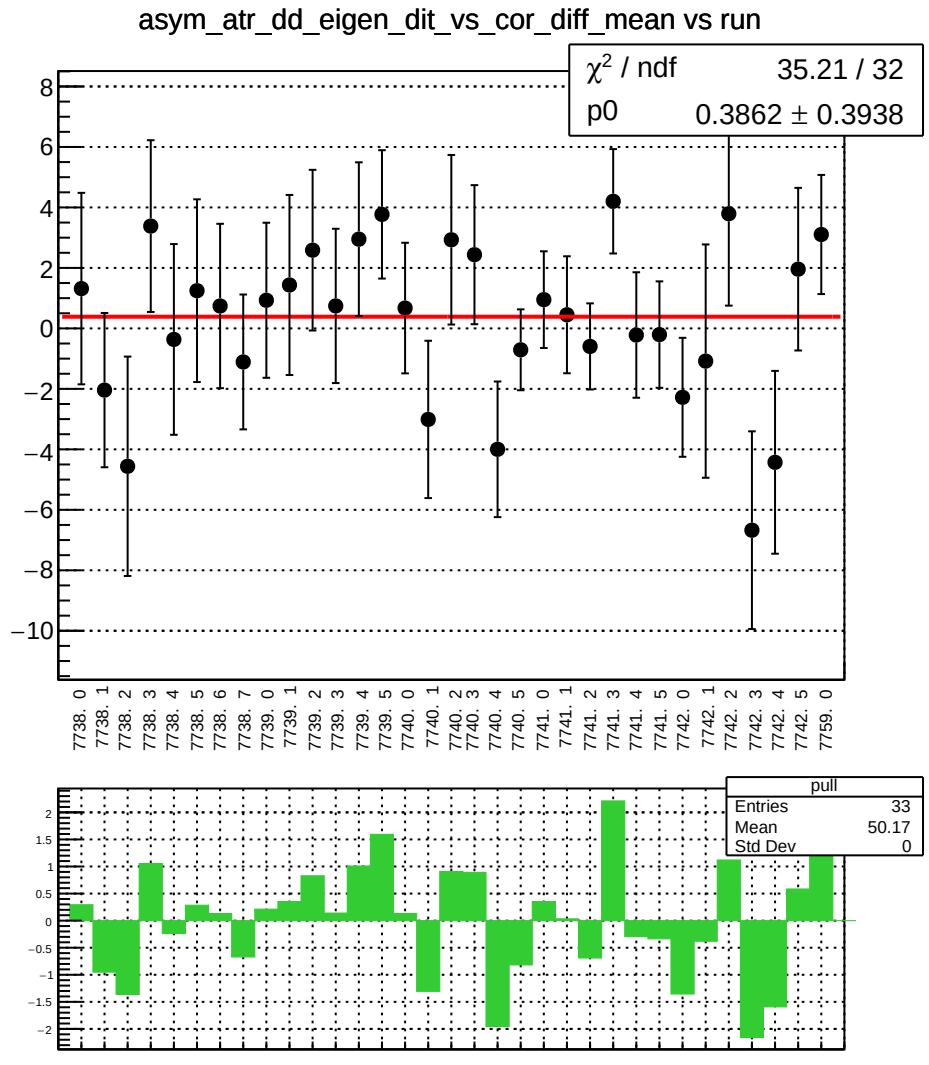

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.068e+04 / 32
p0 219.7 ± 0.2785
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

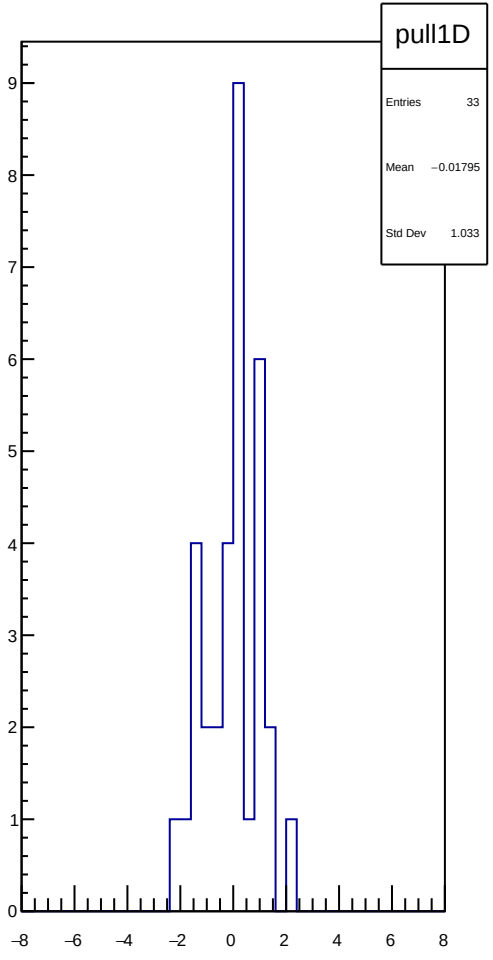

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.21 / 32
p0 0.3862 ± 0.3938
8
6
4
2
0
−2
−4
−6
−8
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.16
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01795
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

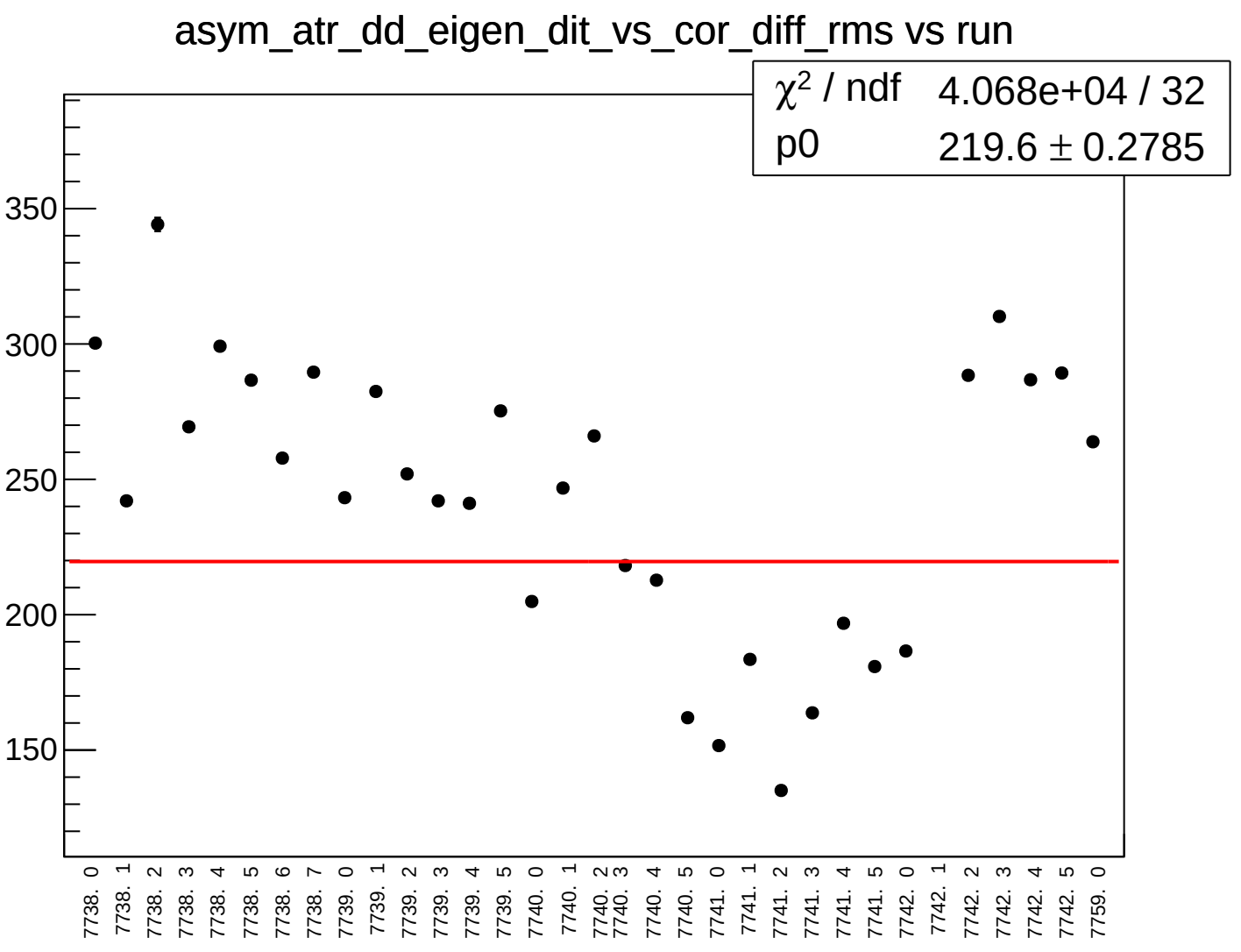

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.068e+04 / 32
p0 219.7 ± 0.2785
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

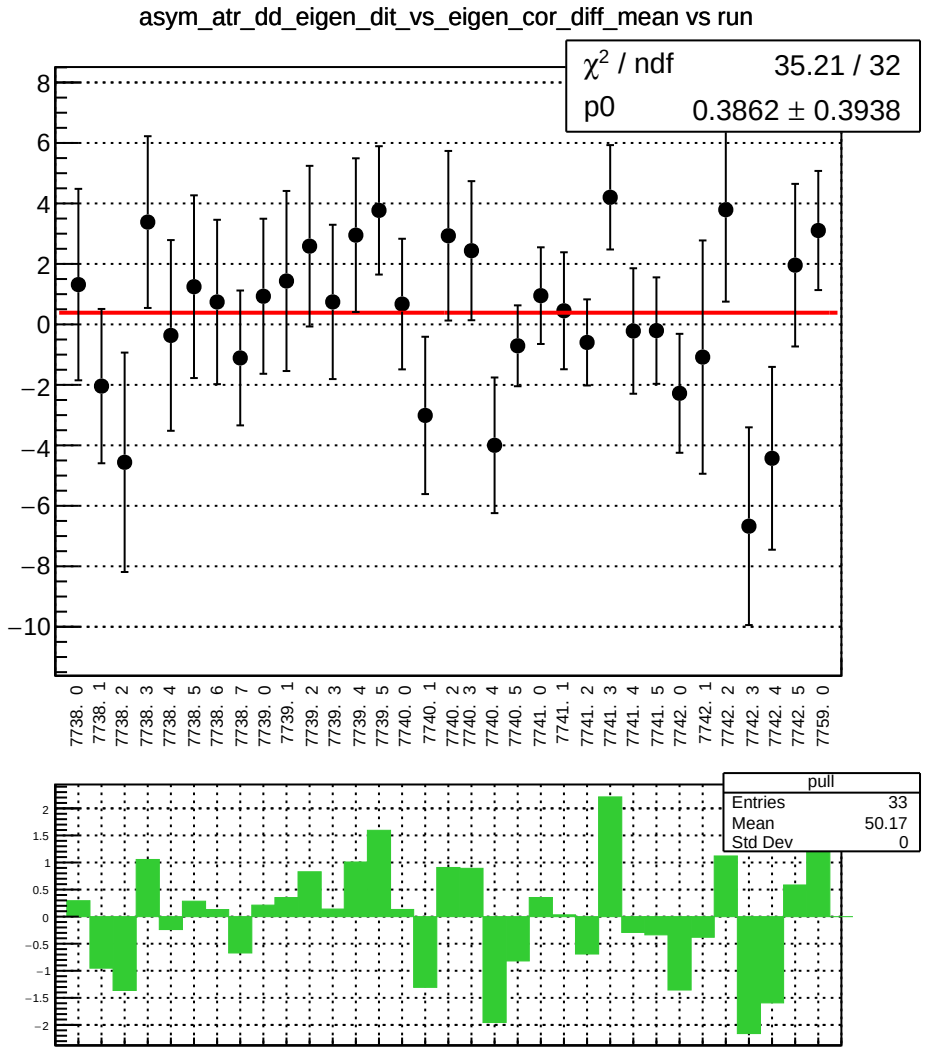

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.4 / 32
p0 −1.132e−05 ± 3.736e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −90.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01727
Std Dev 0.9907
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

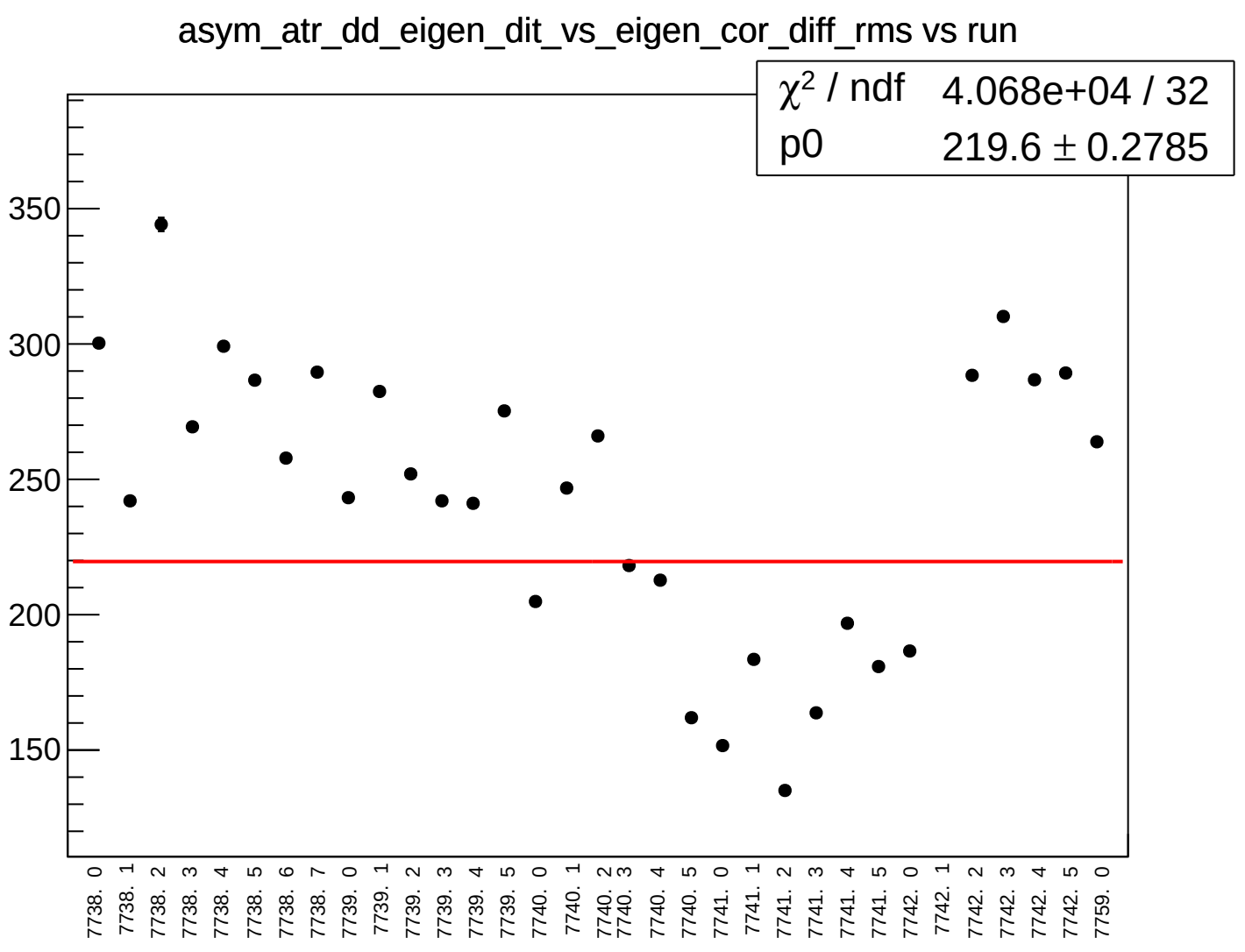

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.526e+04 / 32
p0 0.02093 ± 2.642e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

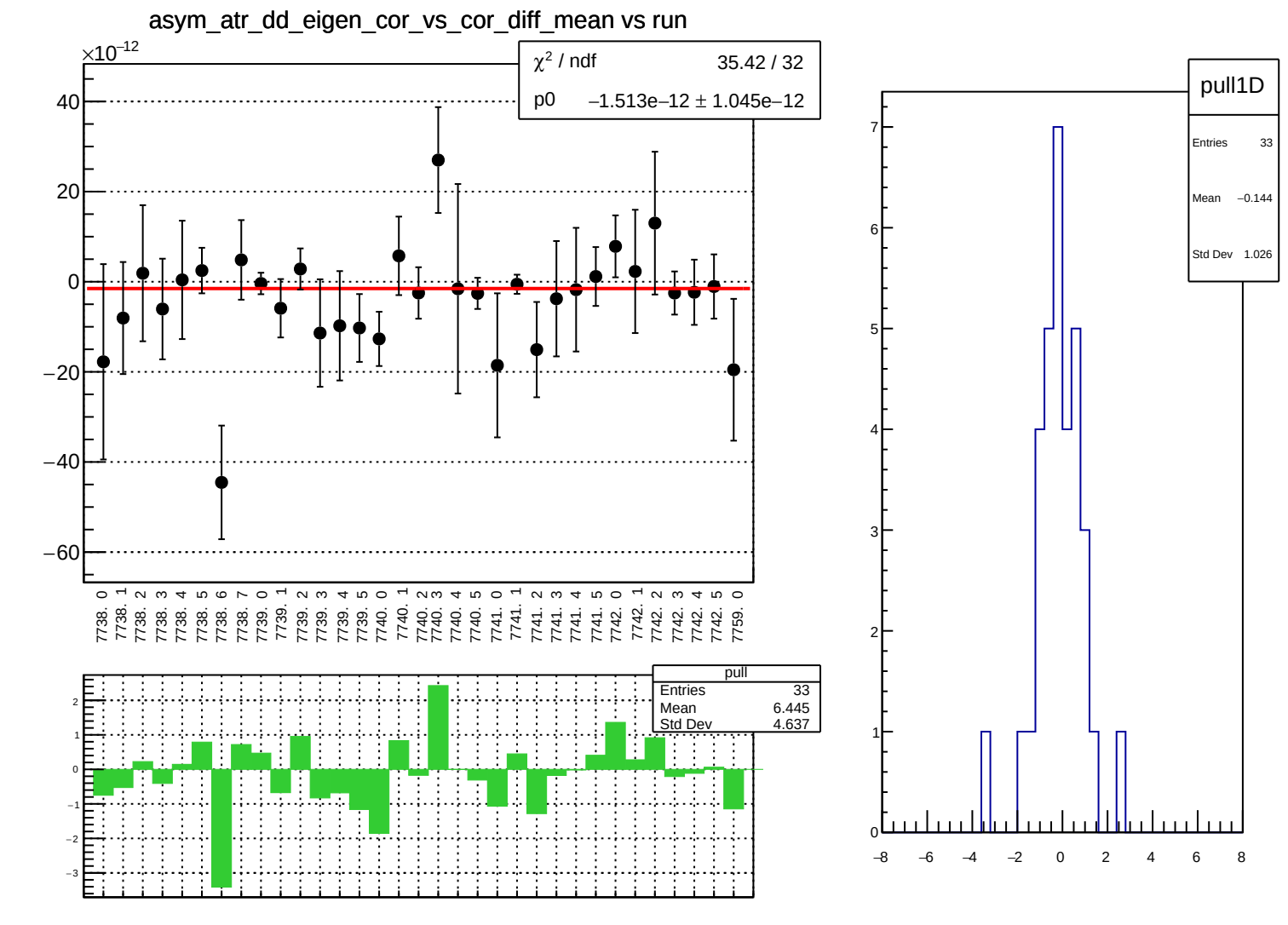

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.21 / 32
p0 0.3862 ± 0.3938
pull
Entries 33
Mean 50.17
Std Dev 0

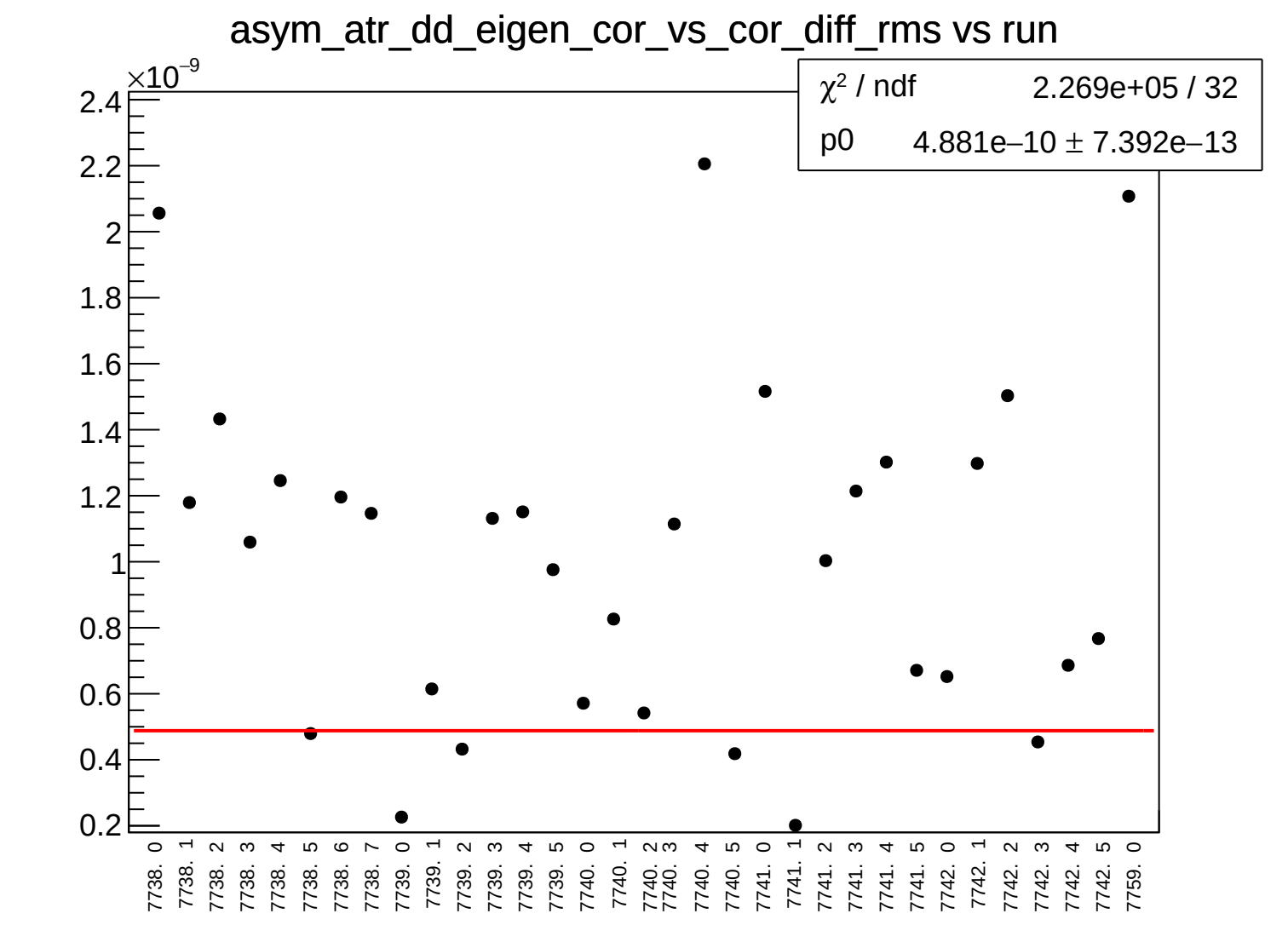

pull1D
Entries 33
Mean −0.01795
Std Dev 1.033

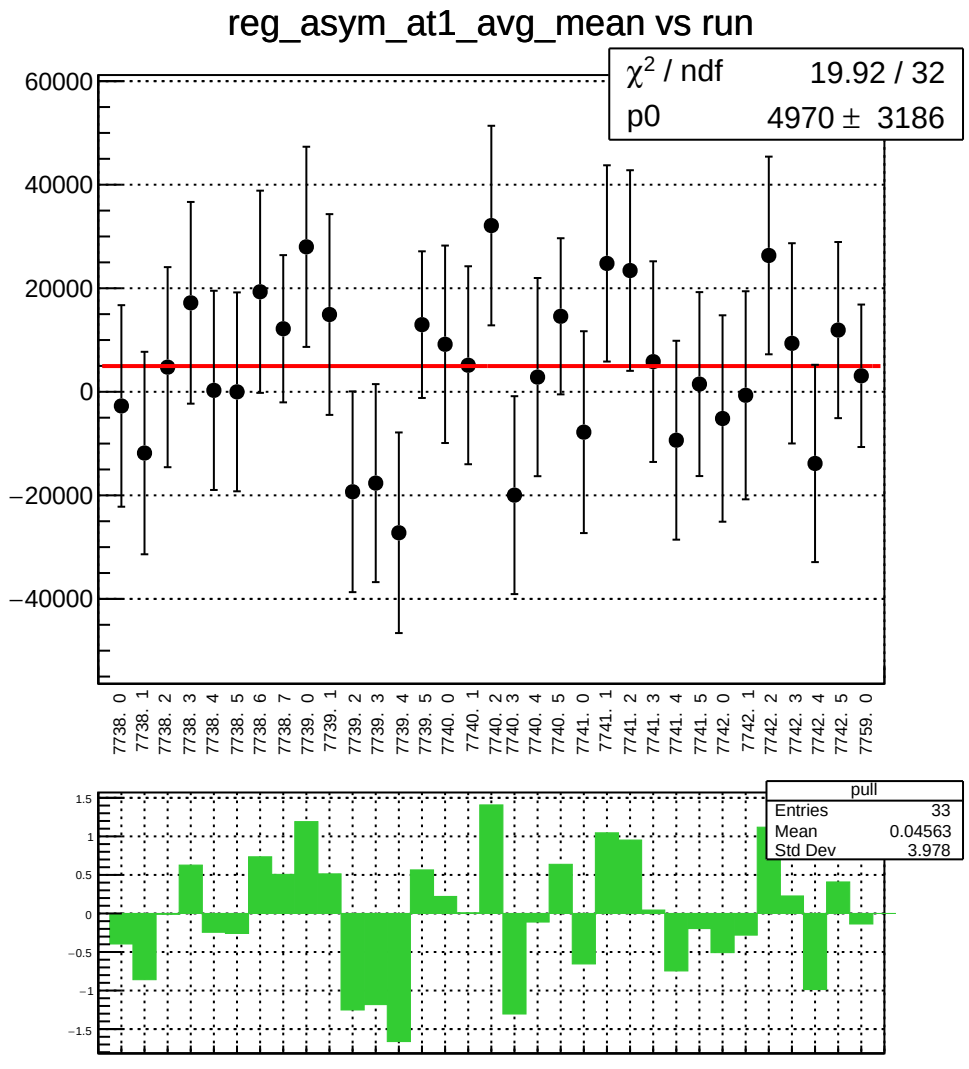

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.068e+04 / 32
p0 219.6 ± 0.2785
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

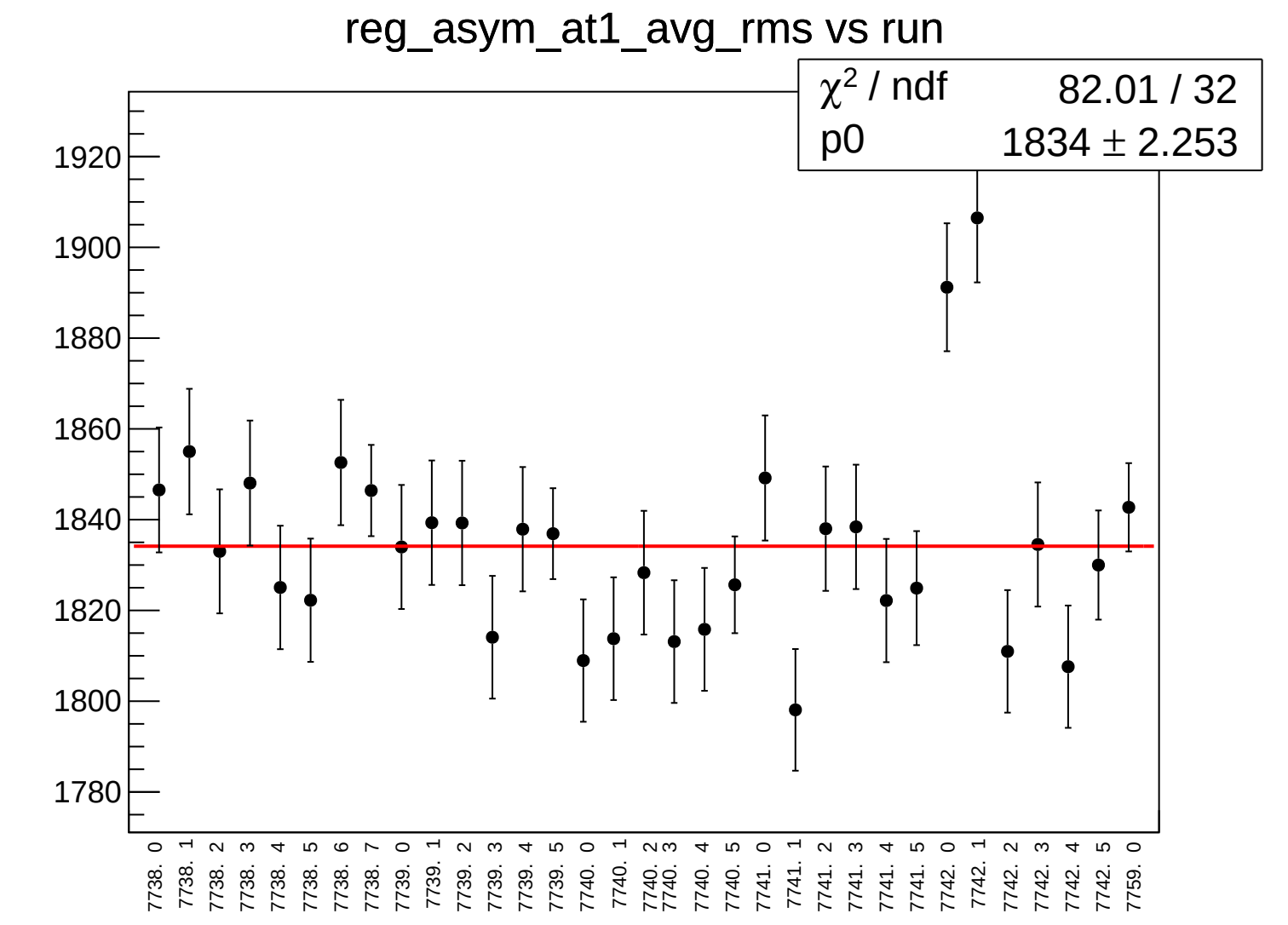

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.21 / 32
p0 0.3862 ± 0.3938
8
6
4
2
0
−2
−4
−6
−8
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01795
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

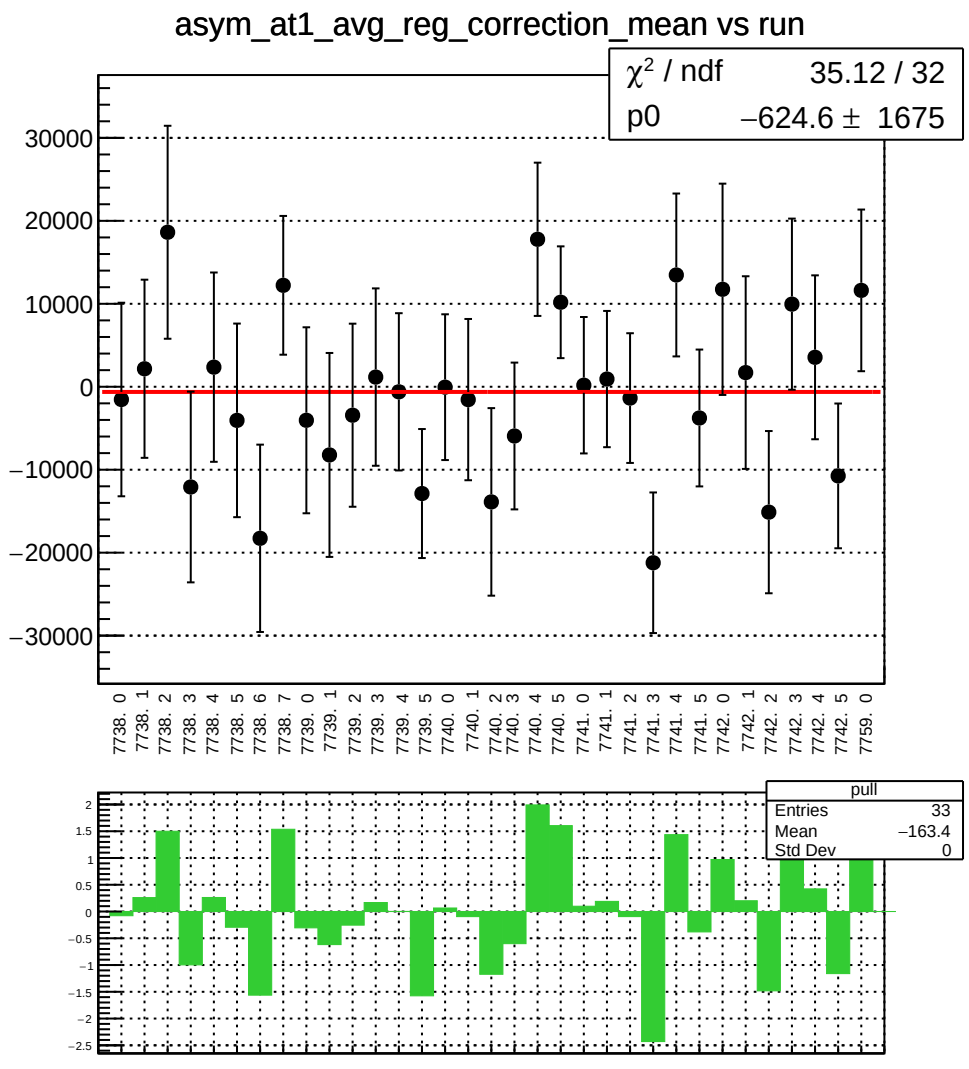

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.068e+04 / 32
p0 219.6 ± 0.2785
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

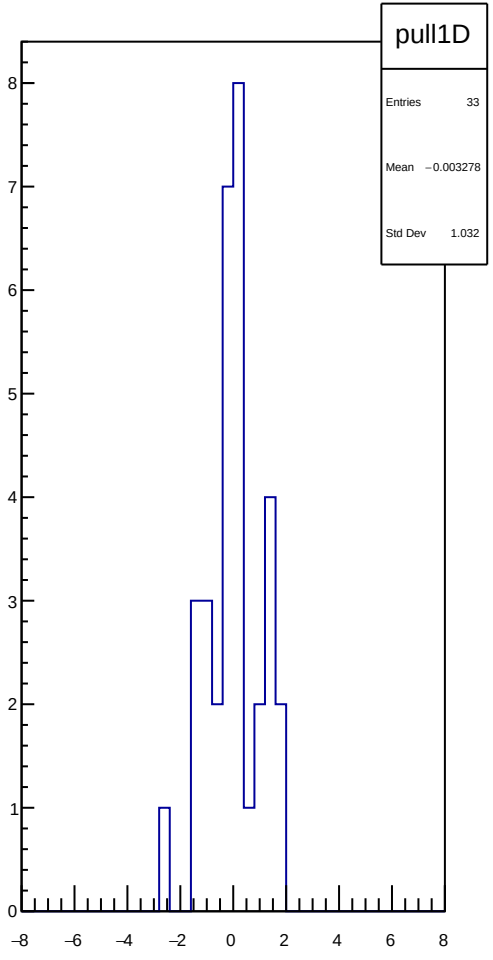

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.42 / 32
p0 −1.513e−12 ± 1.045e−12
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.445
Std Dev 4.637
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.144
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

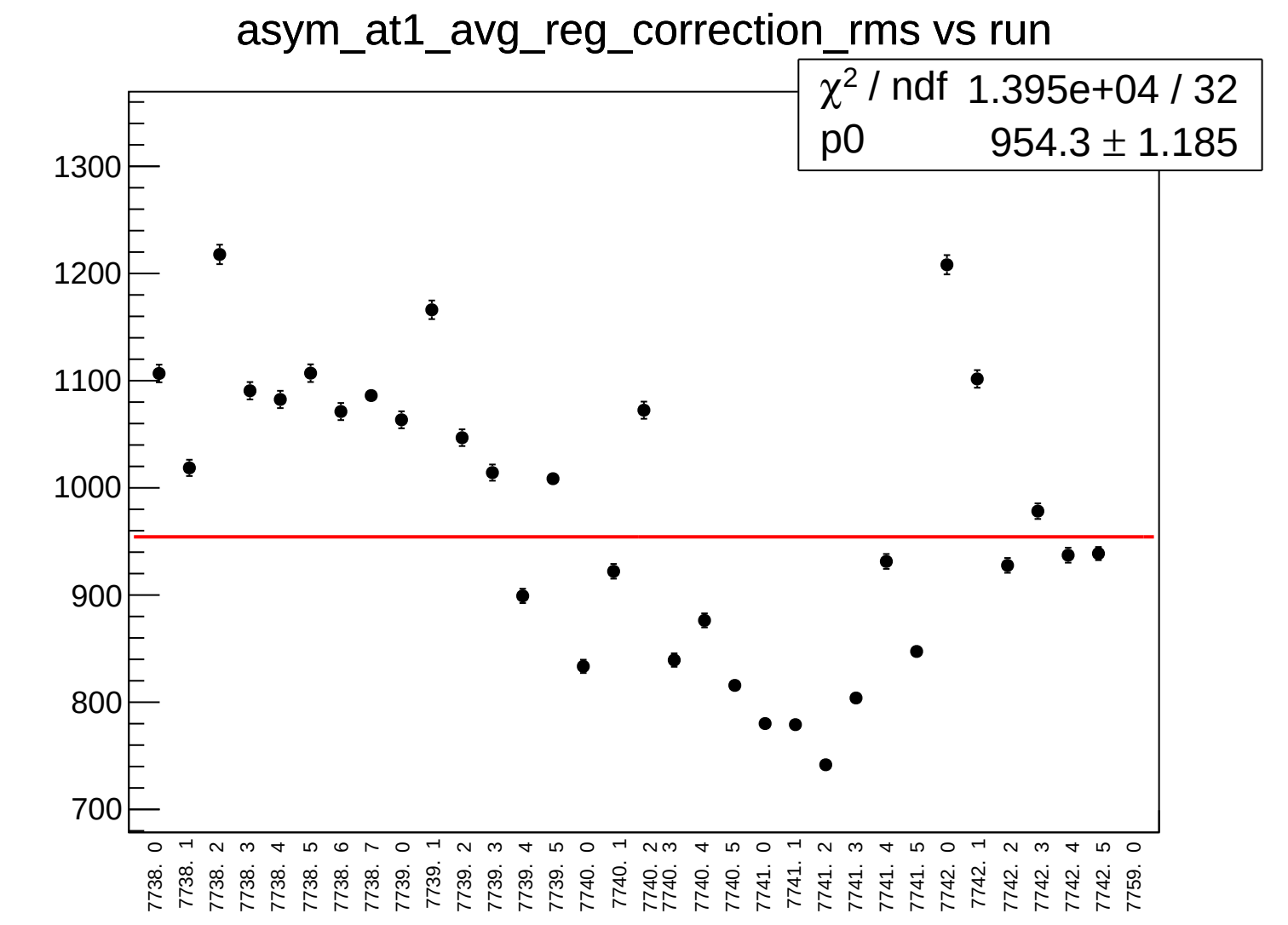

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.269e+05 / 32
p0 4.881e−10 ± 7.392e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

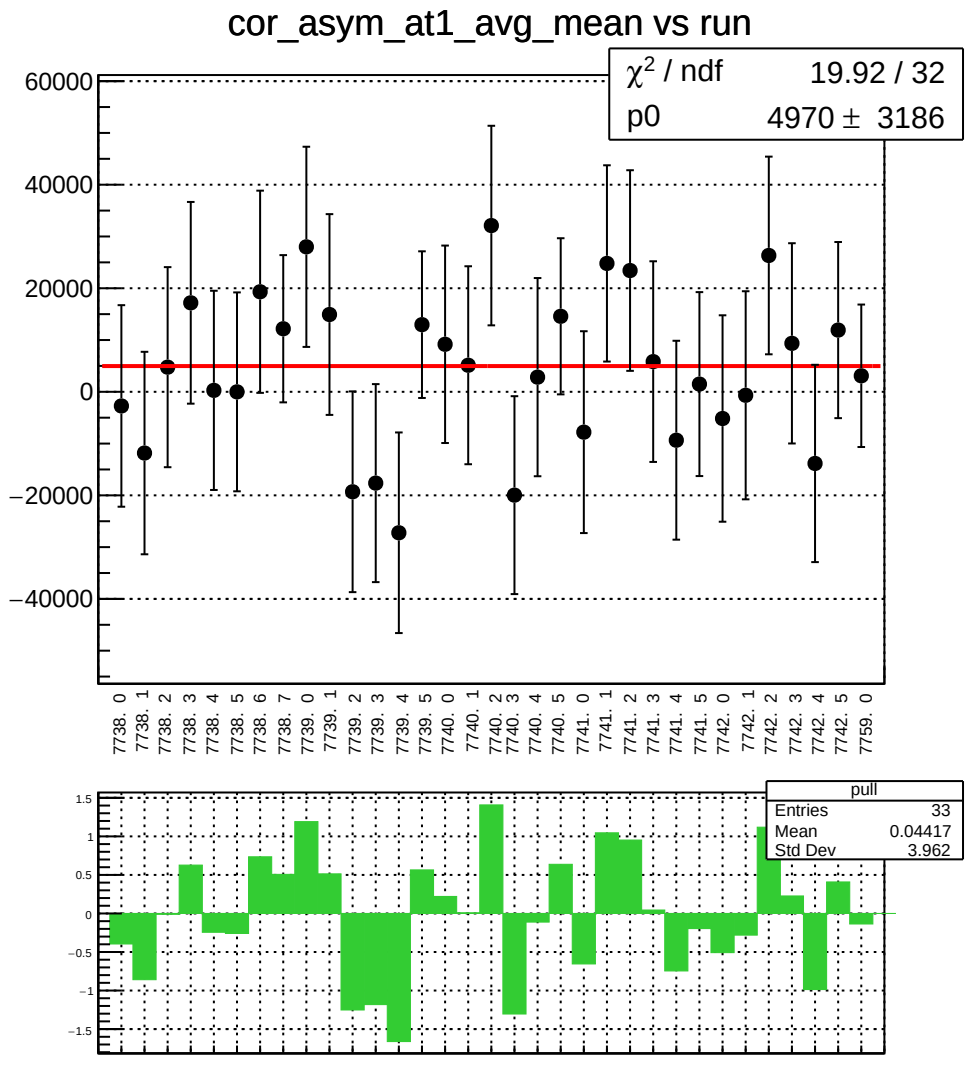

reg_asym_at1_avg_mean vs run
χ² / ndf 19.92 / 32
p0 4970 ± 3186
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.04563
Std Dev 3.978
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01752
Std Dev 0.7768
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

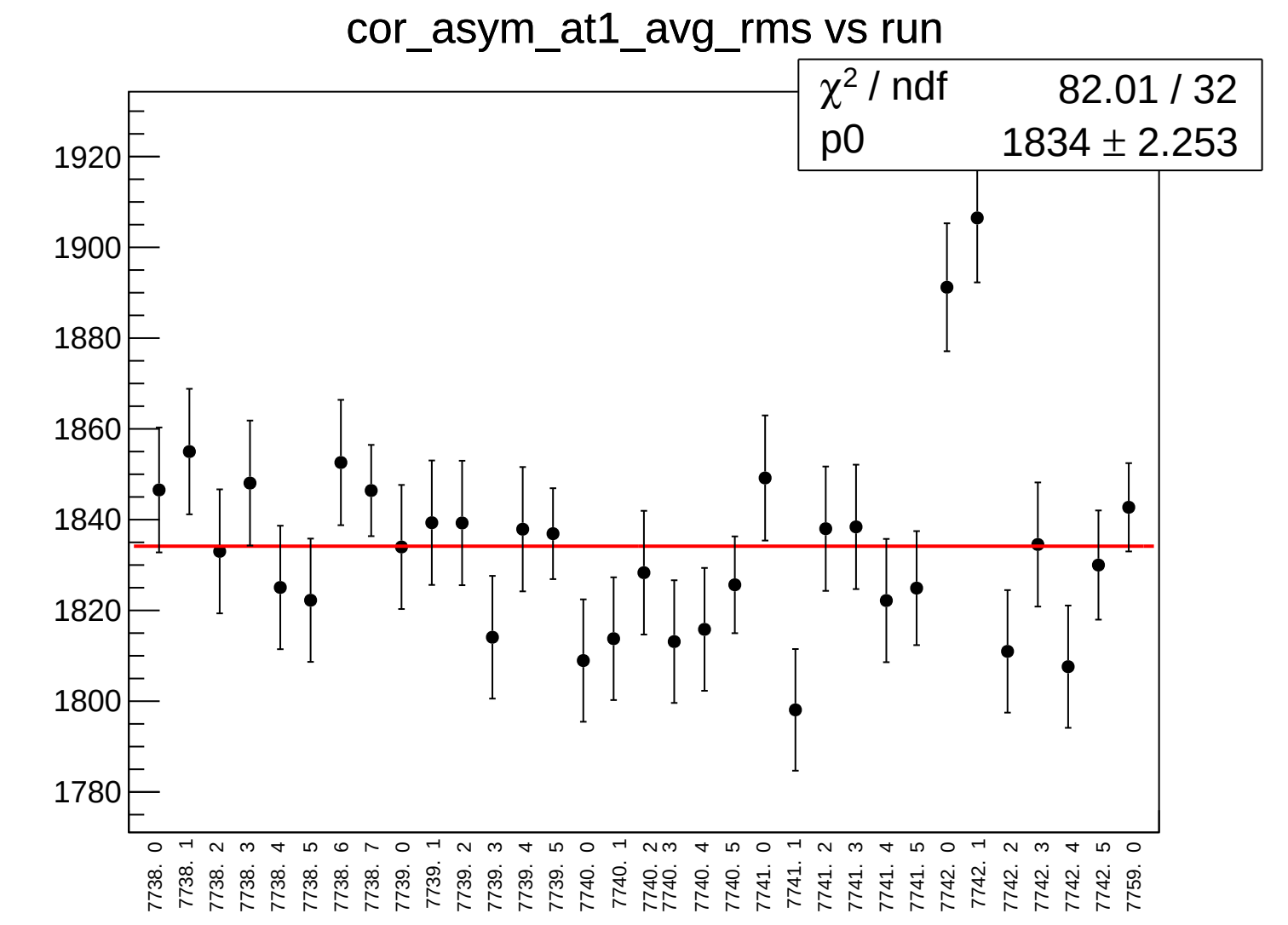

reg_asym_at1_avg_rms vs run
χ^2 / ndf 82.01 / 32
p0 1834 ± 2.253
1920
1900
1880
1860
1840
1820
1800
1780
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

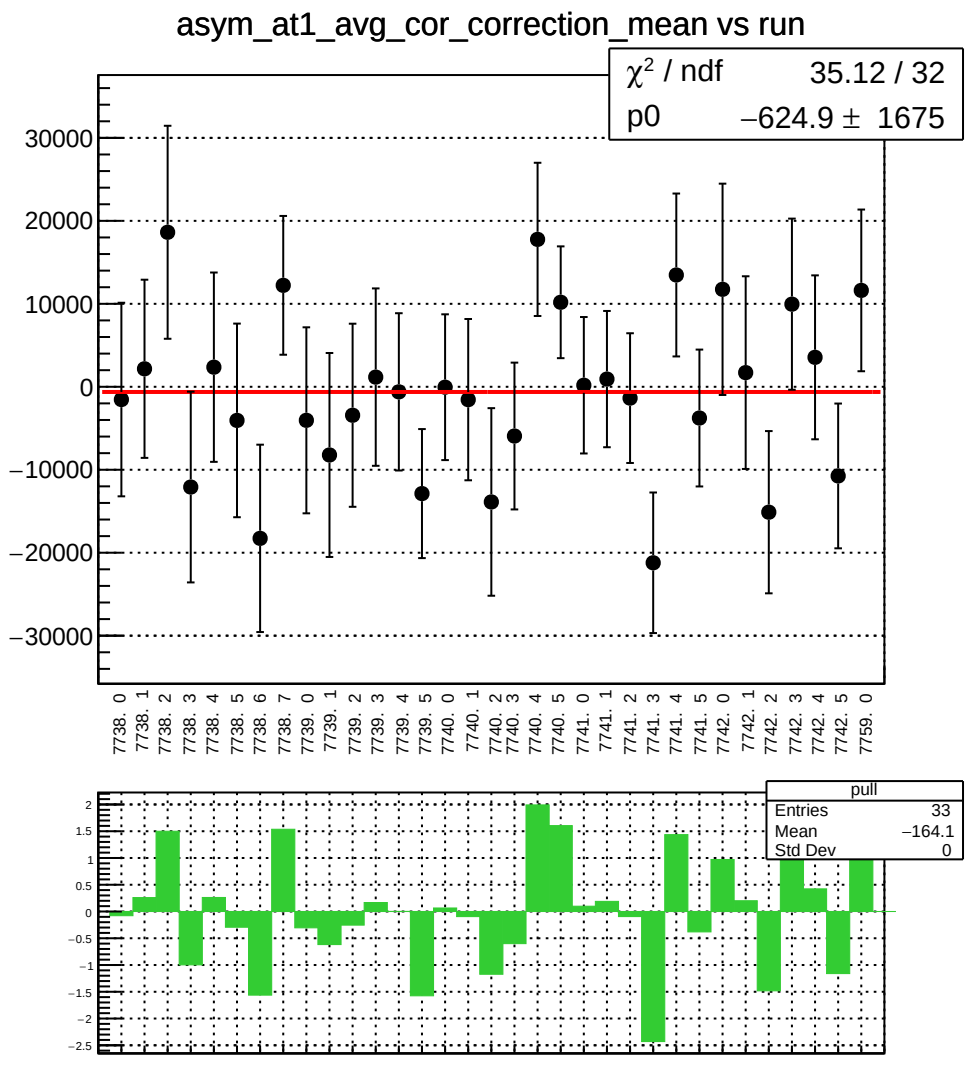

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 35.12 / 32
p0 −624.6 ± 1675
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −163.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

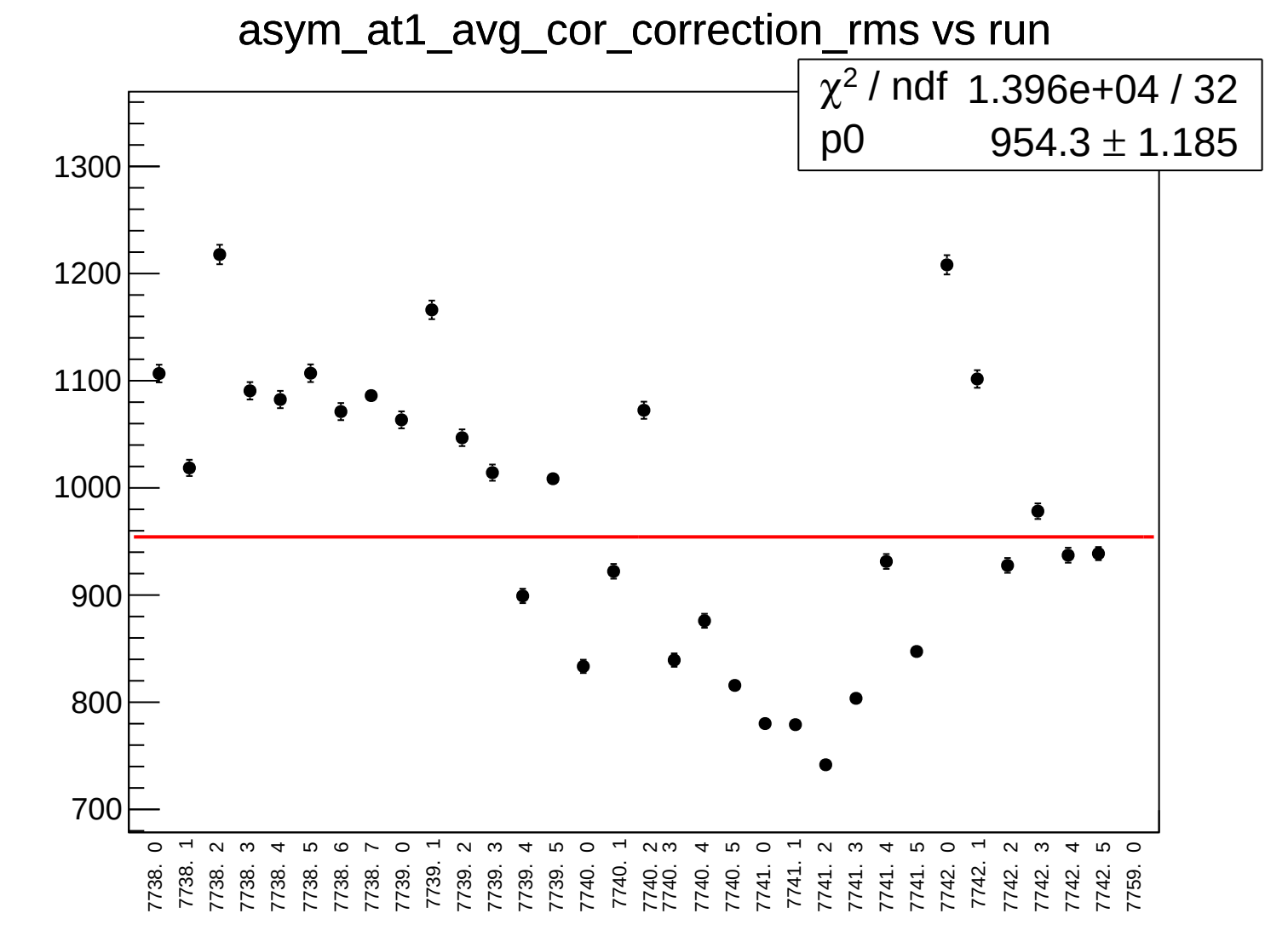

pull1D
Entries 33
Mean −0.003278
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

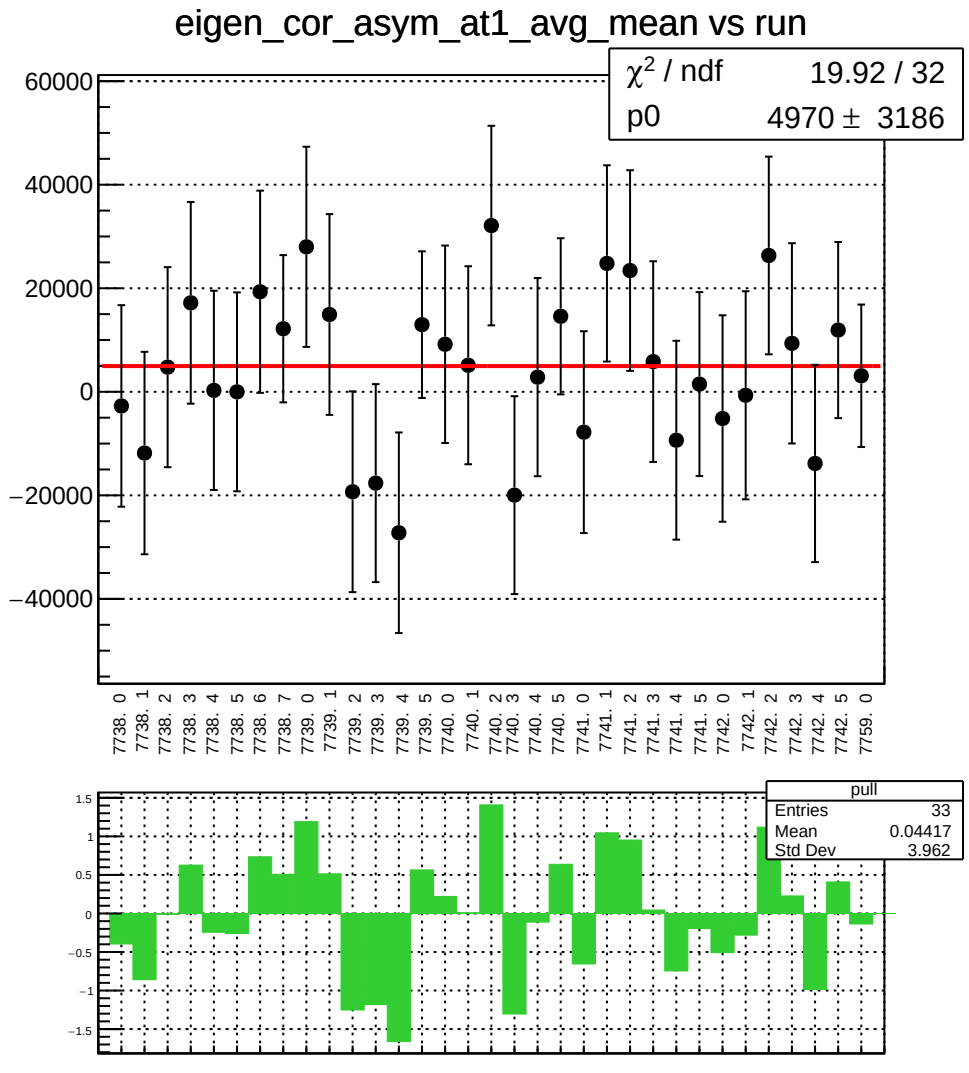

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 1.395e+04 / 32
p0 954.3 ± 1.185
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

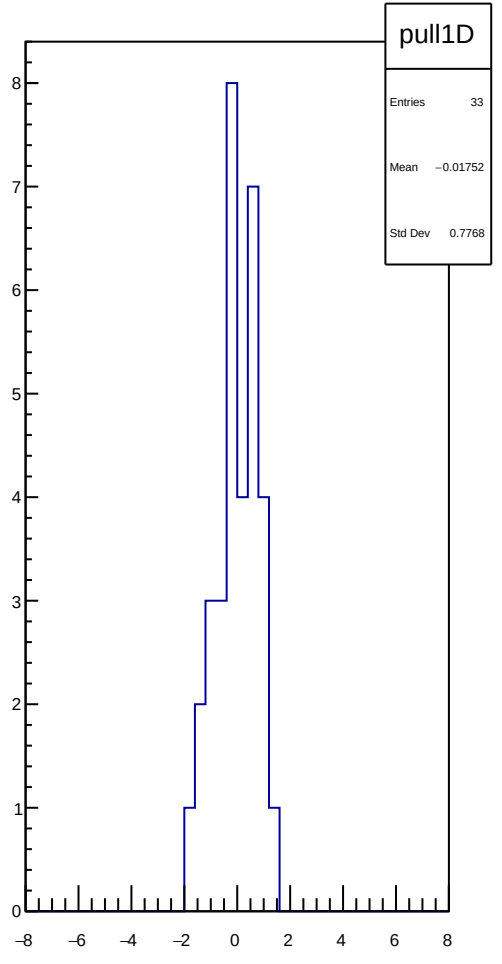

cor_asym_at1_avg_mean vs run
χ² / ndf 19.92 / 32
p0 4970 ± 3186
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.04417
Std Dev 3.962
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01752
Std Dev 0.7768
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

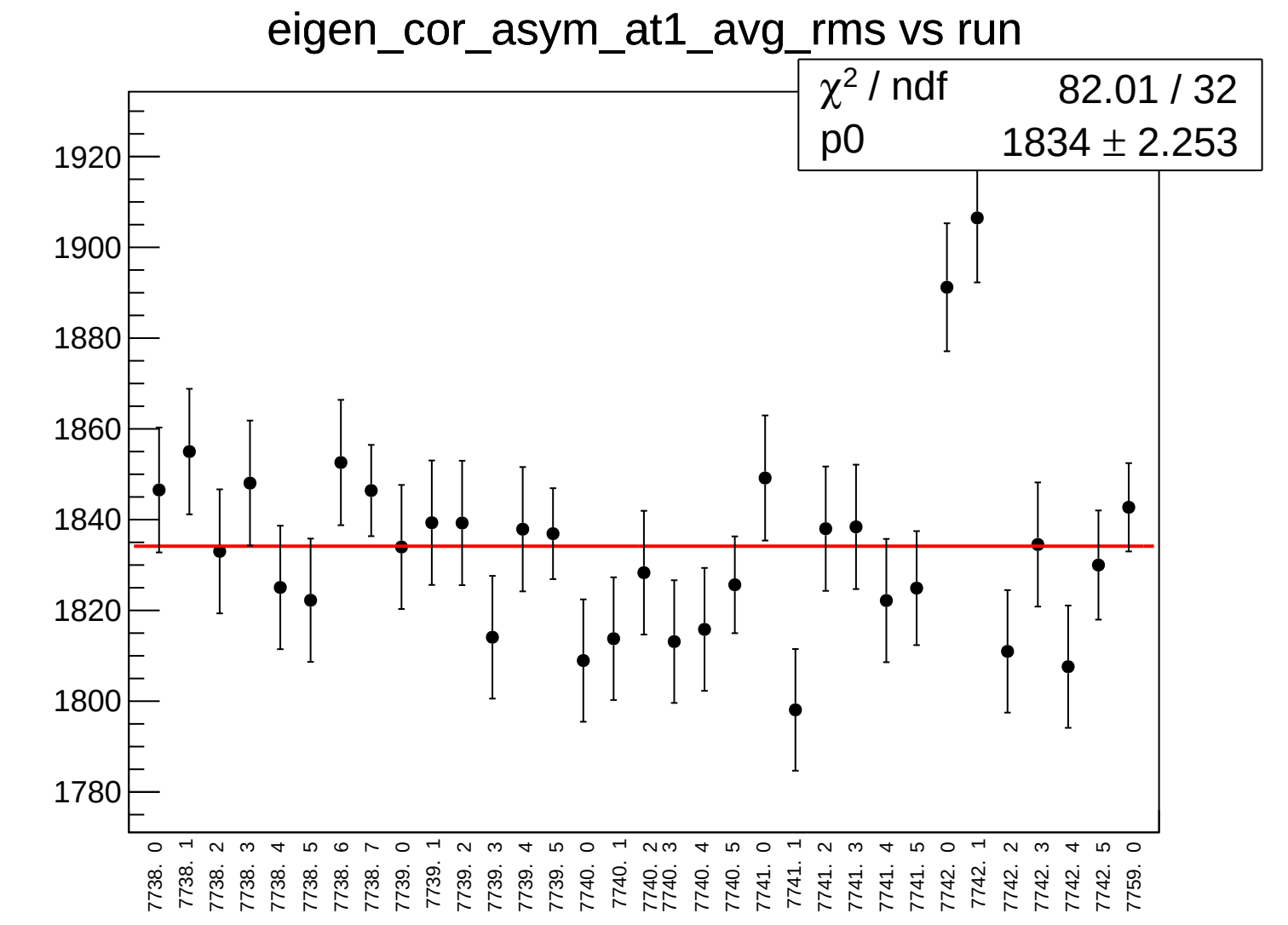

cor_asym_at1_avg_rms vs run
χ² / ndf 82.01 / 32
p0 1834 ± 2.253
1920
1900
1880
1860
1840
1820
1800
1780
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

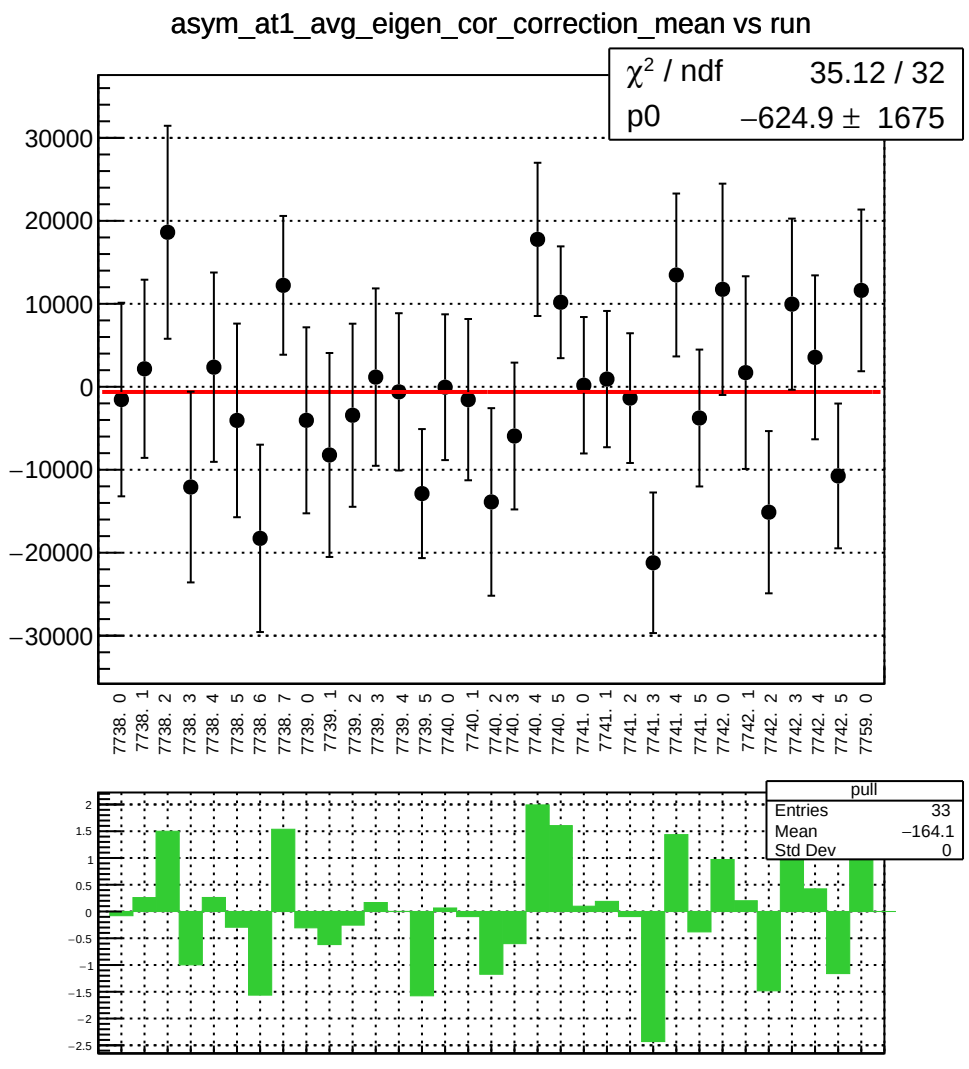

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 35.12 / 32
p0 −624.9 ± 1675
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −164.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.003266
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

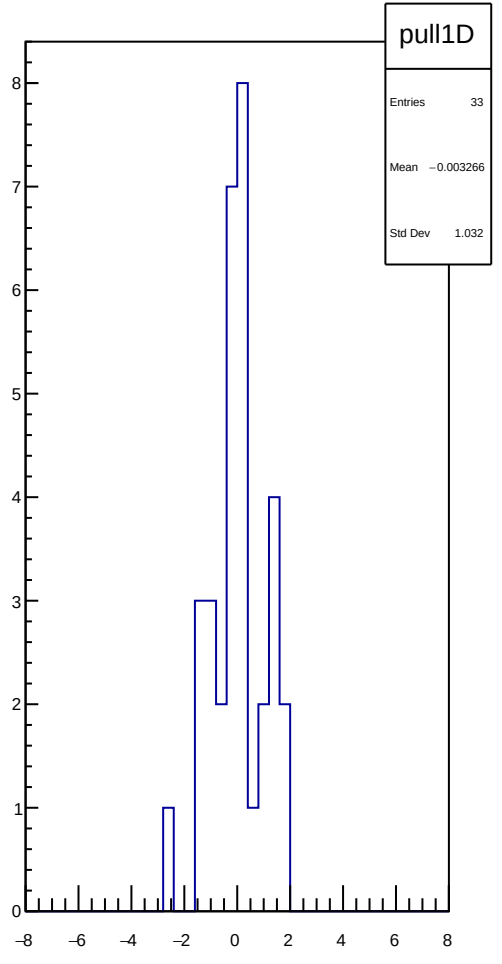

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 1.396e+04 / 32
p0 954.3 ± 1.185
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

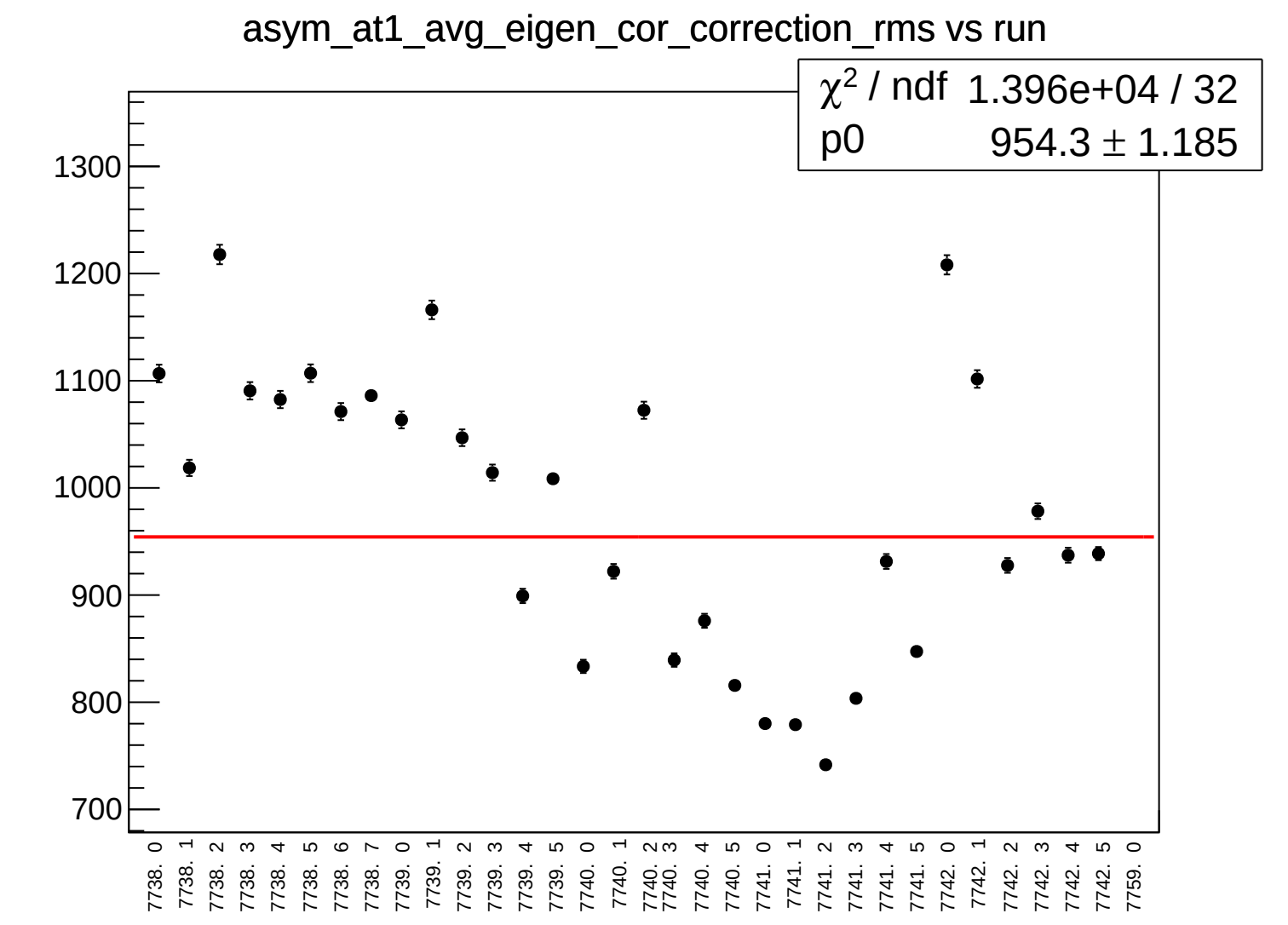

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 19.92 / 32
p0 4970 ± 3186
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.04417
Std Dev 3.962
1.5
1
0.5
0
−0.5
−1
−1.5

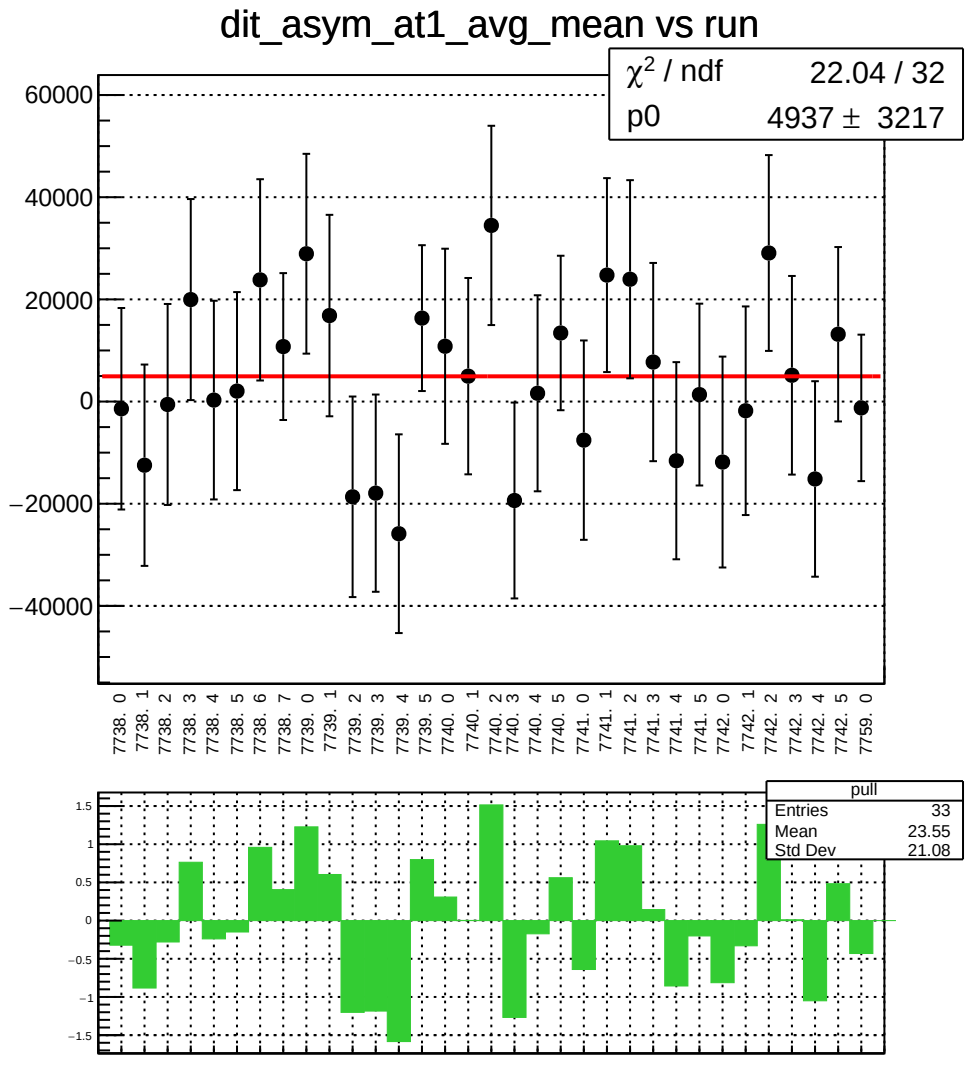

pull1D
Entries 33
Mean −0.01752
Std Dev 0.7768
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

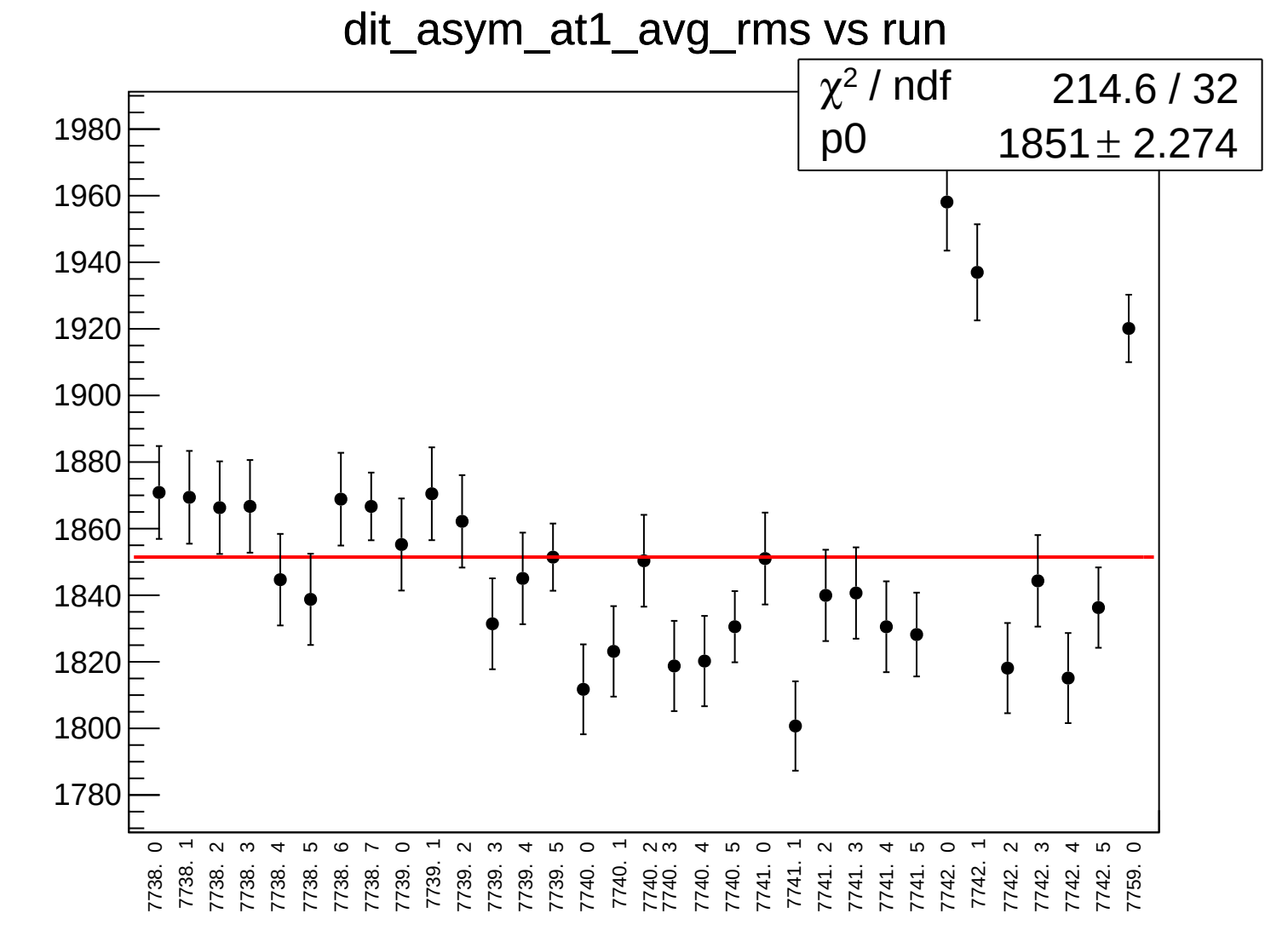

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 82.01 / 32
p0 1834 ± 2.253
1920
1900
1880
1860
1840
1820
1800
1780
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

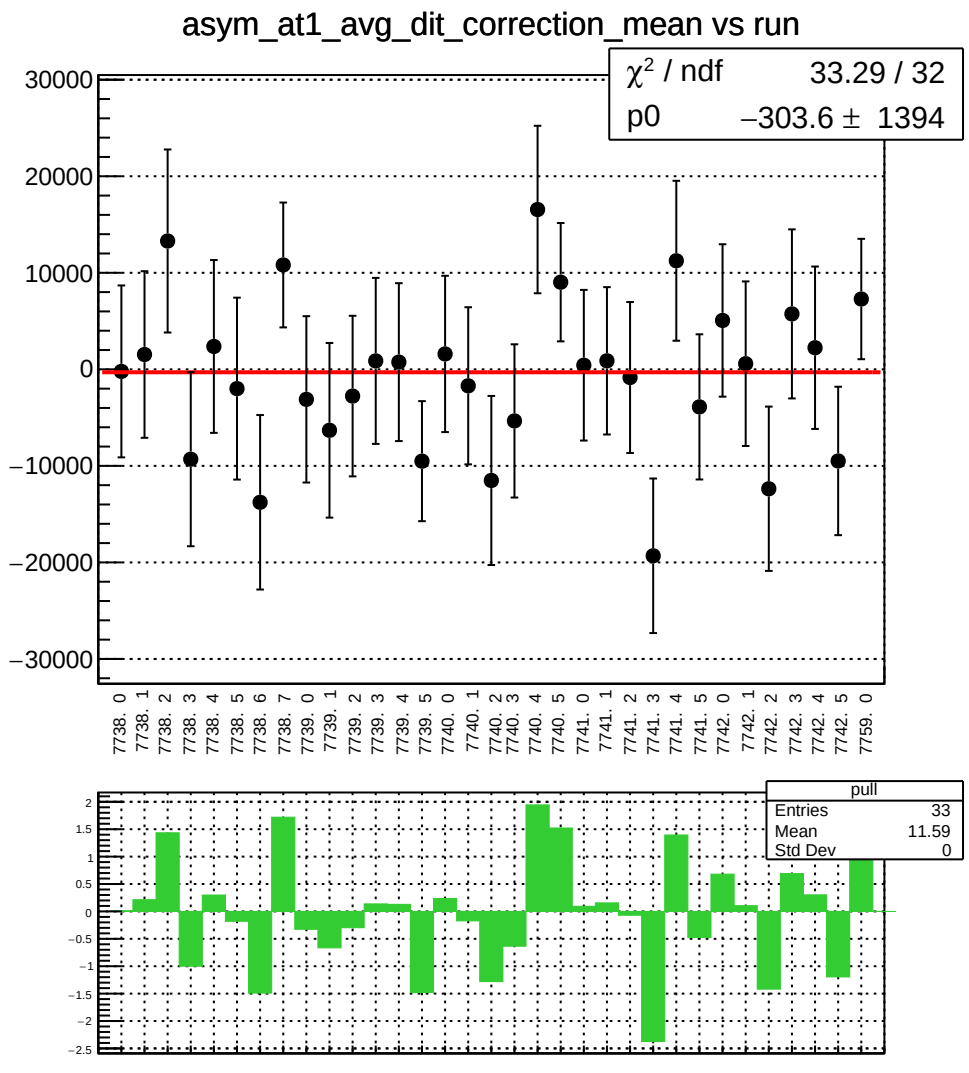

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 35.12 / 32
p0 −624.9 ± 1675
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −164.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

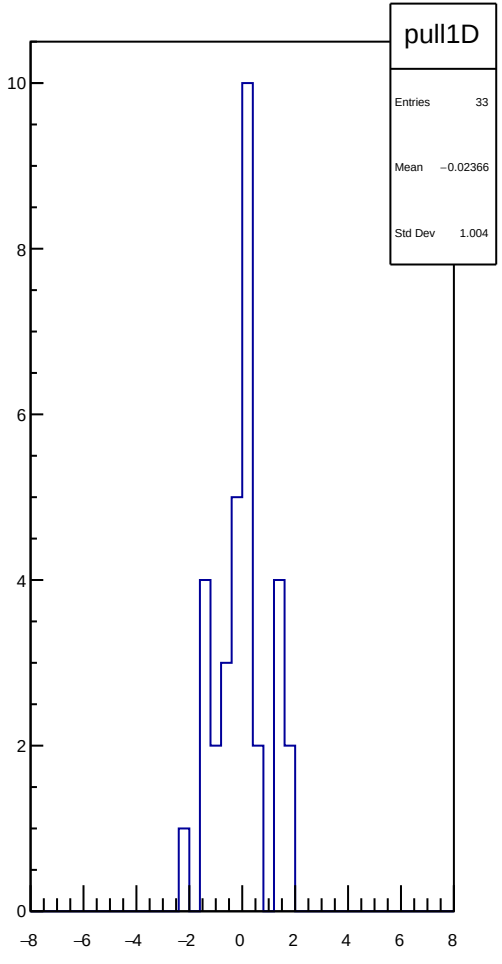

pull1D
Entries 33
Mean −0.003266
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

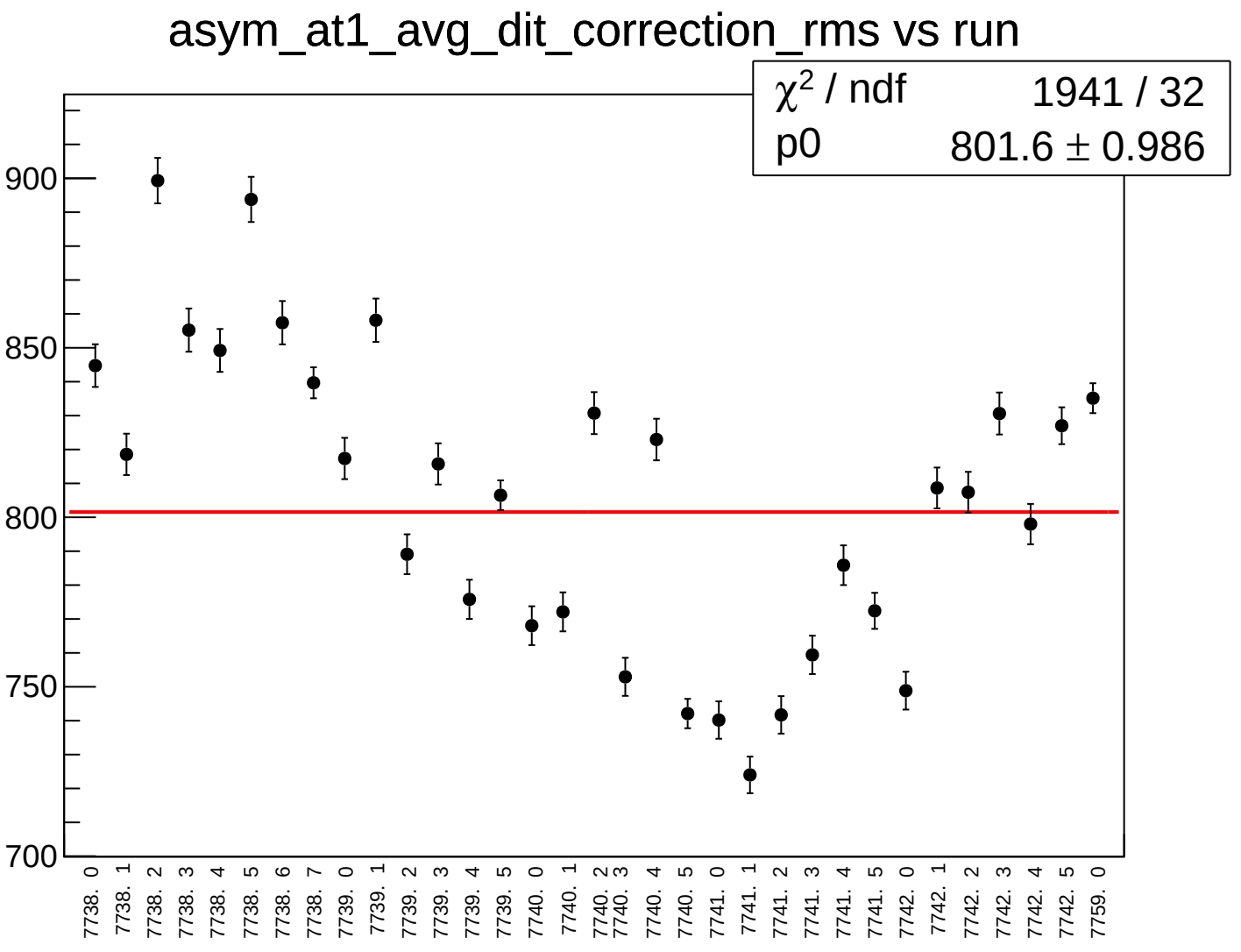

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.396e+04 / 32
p0 954.3 ± 1.185
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

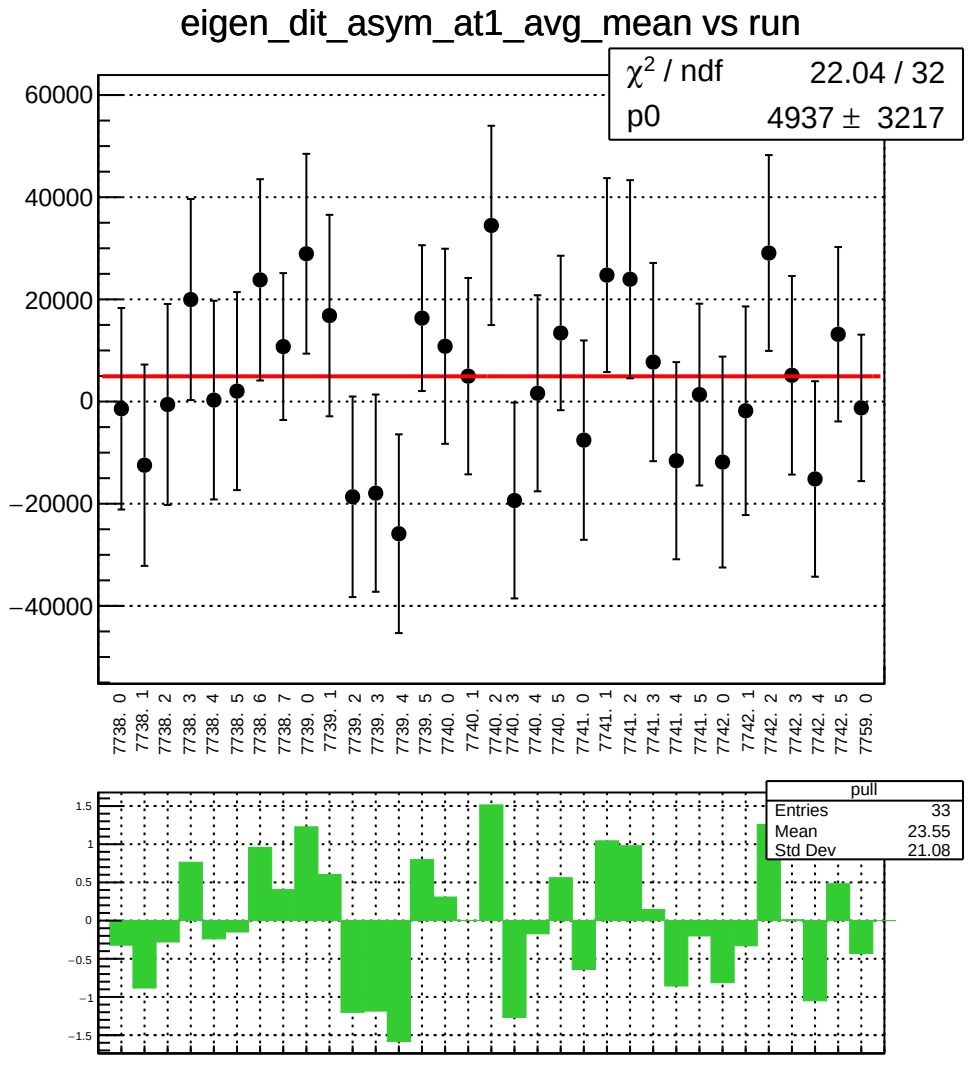

dit_asym_at1_avg_mean vs run
χ² / ndf 22.04 / 32
p0 4937 ± 3217
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 23.55
Std Dev 21.08
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01641
Std Dev 0.8171
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

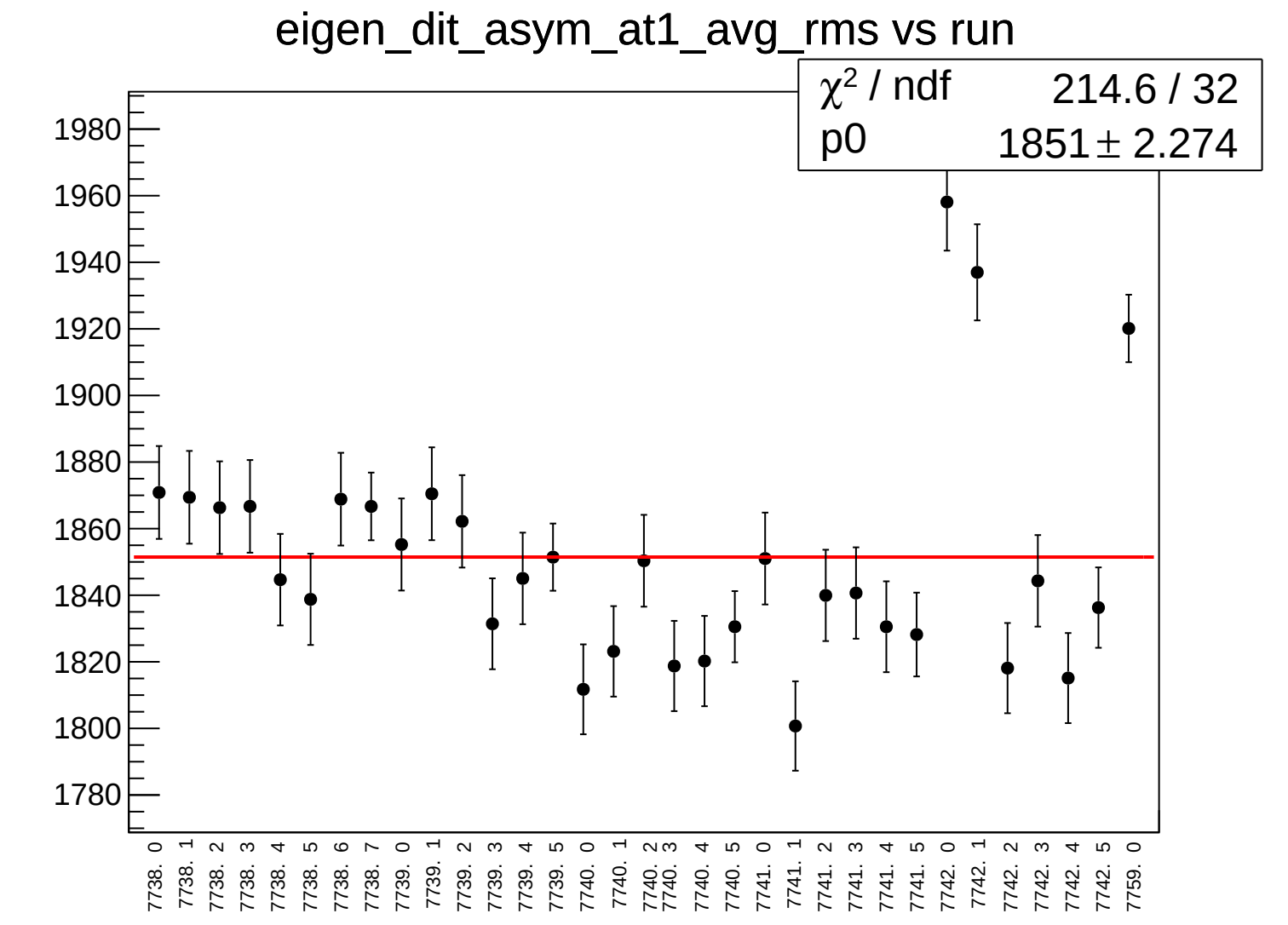

dit_asym_at1_avg_rms vs run
χ² / ndf 214.6 / 32
p0 1851 ± 2.274
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

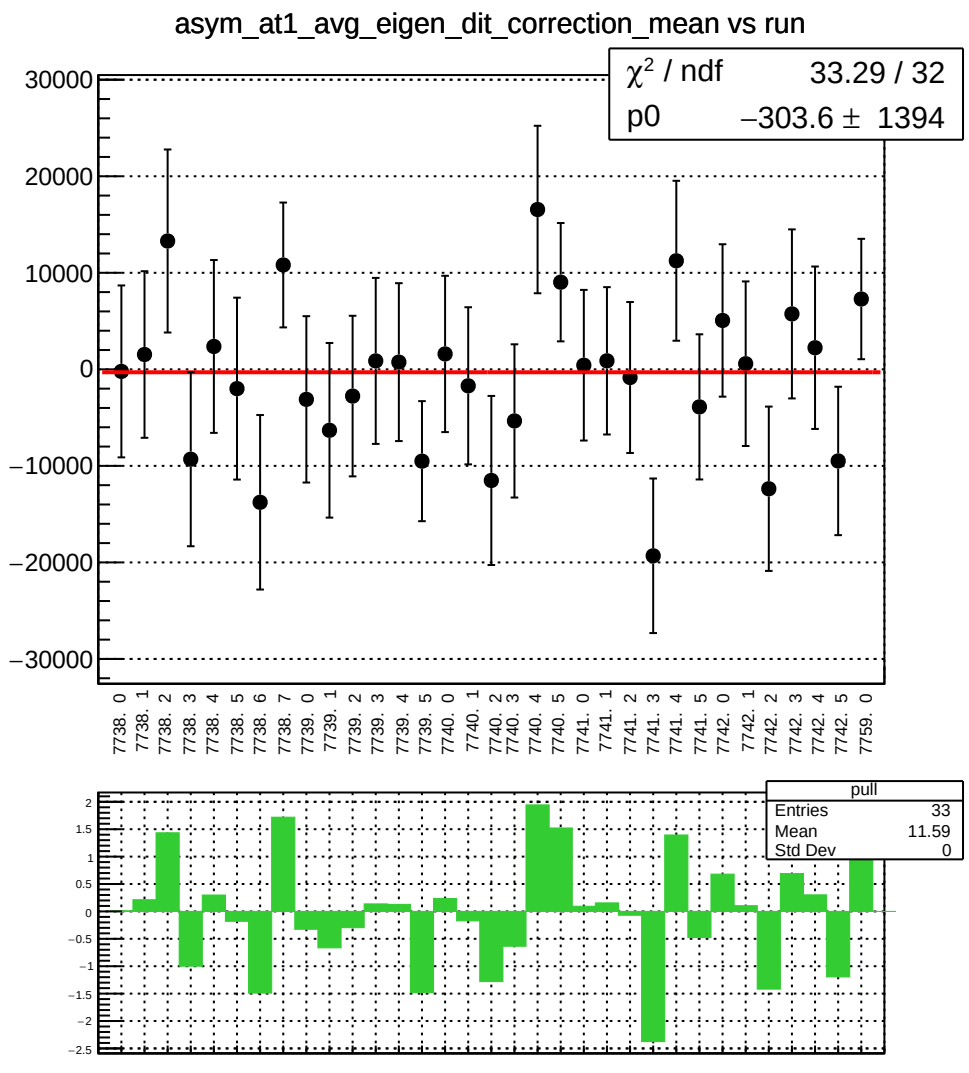

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 33.29 / 32
p0 −303.6 ± 1394
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 11.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

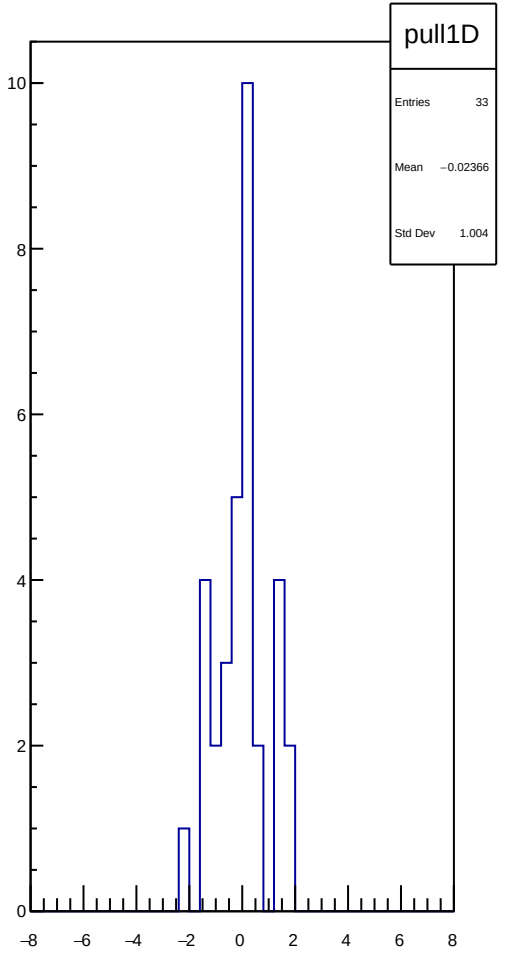

pull1D
Entries 33
Mean −0.02366
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

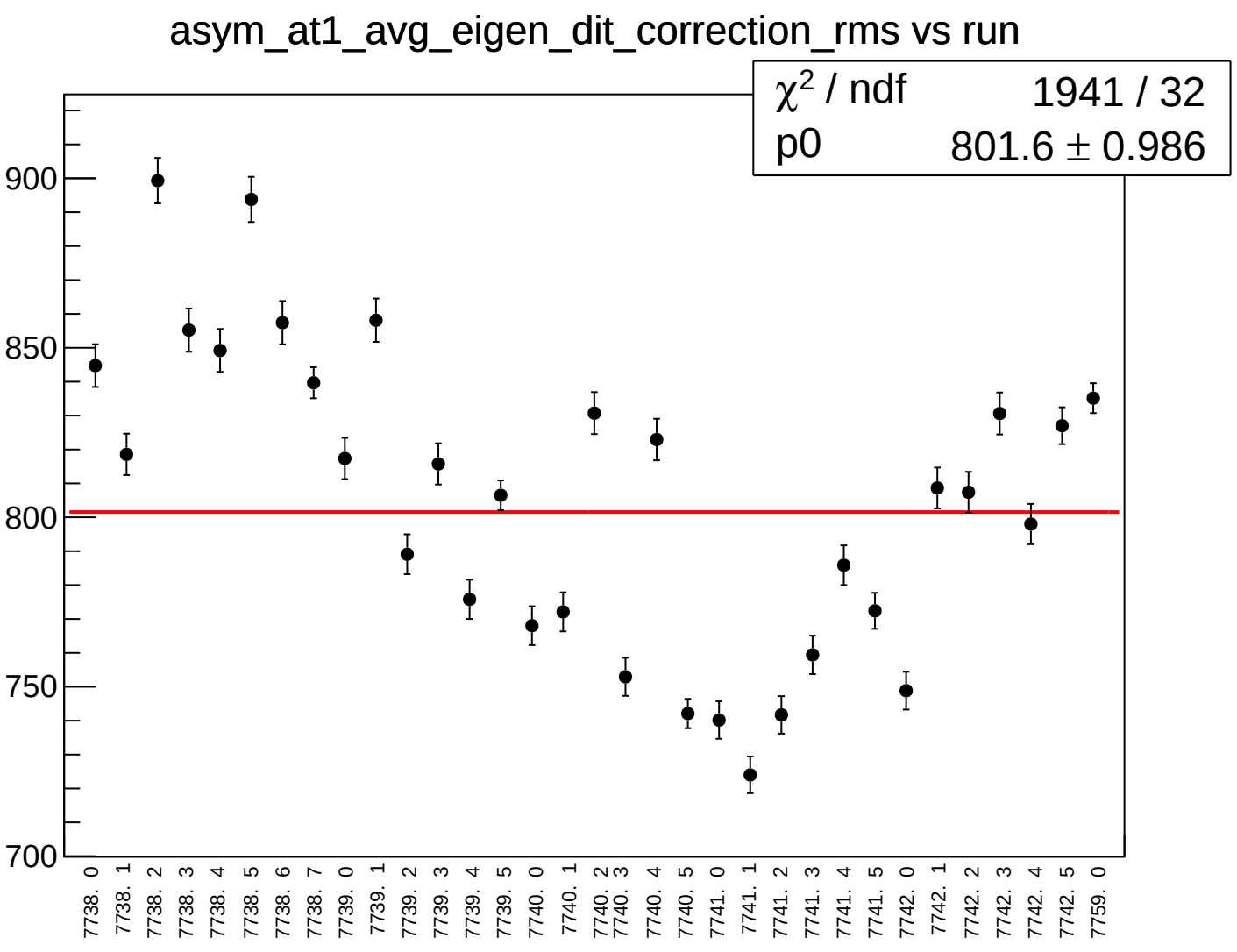

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 1941 / 32
p0 801.6 ± 0.986
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

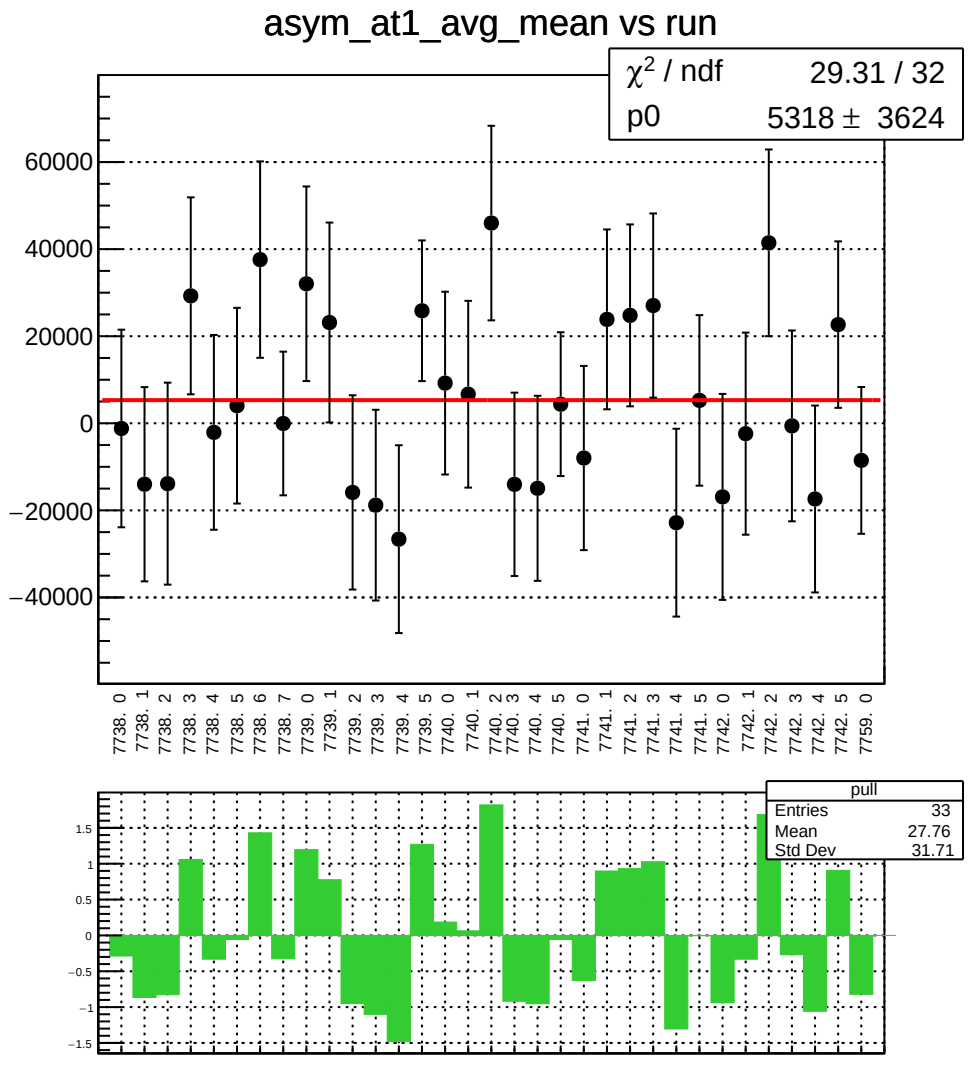

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 22.04 / 32
p0 4937 ± 3217
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 23.55
Std Dev 21.08
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01641
Std Dev 0.8171
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

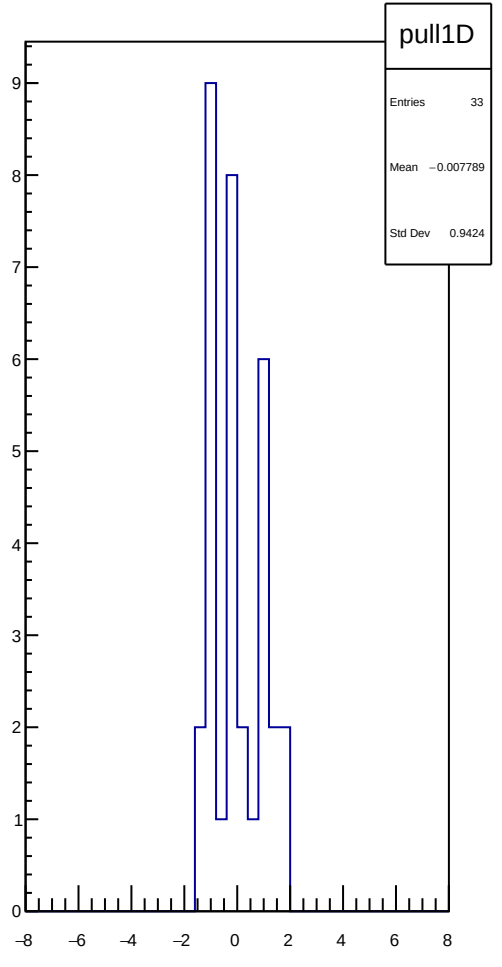

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 214.6 / 32
p0 1851 ± 2.274
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

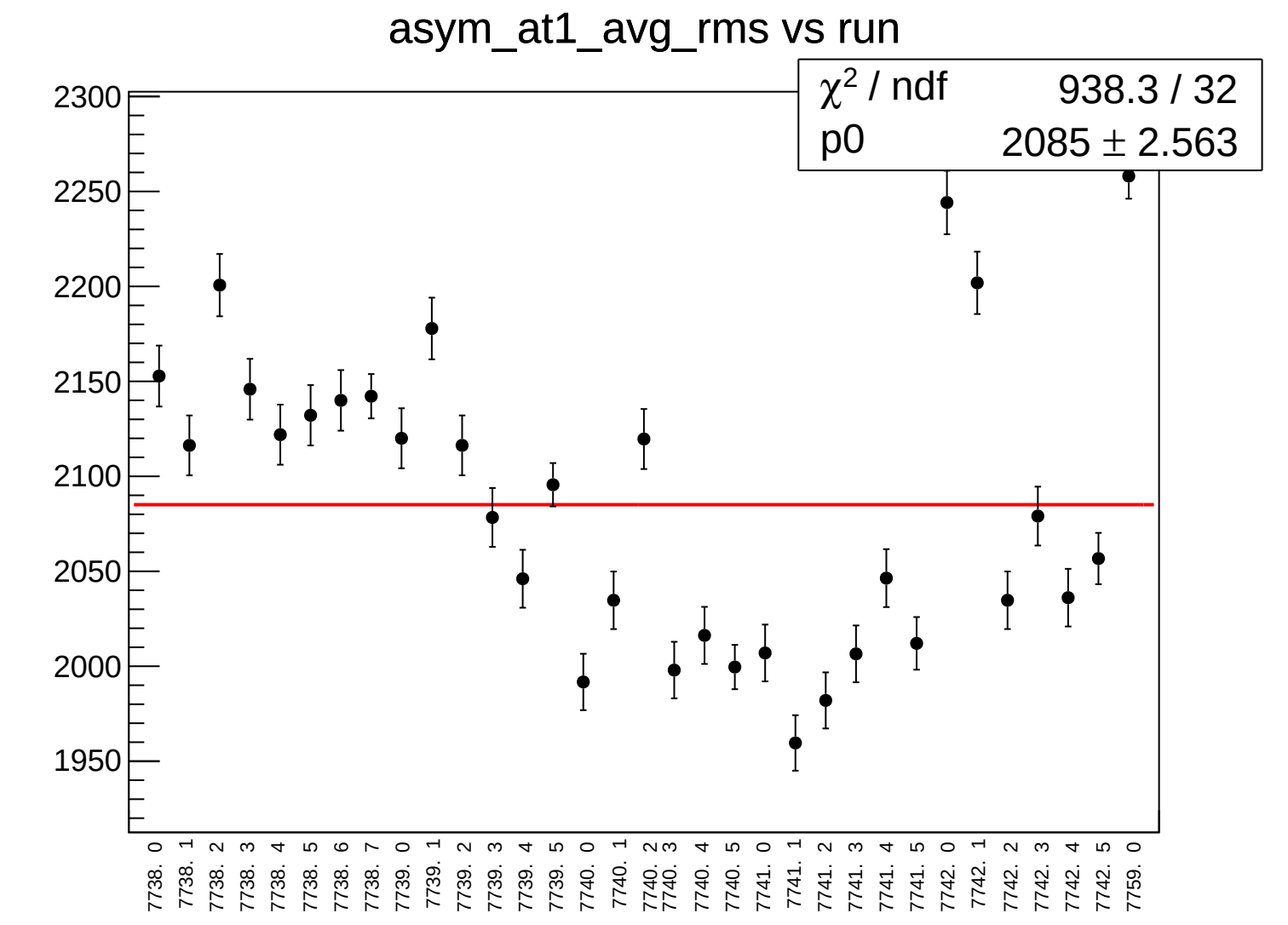

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 33.29 / 32
p0 −303.6 ± 1394
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 11.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

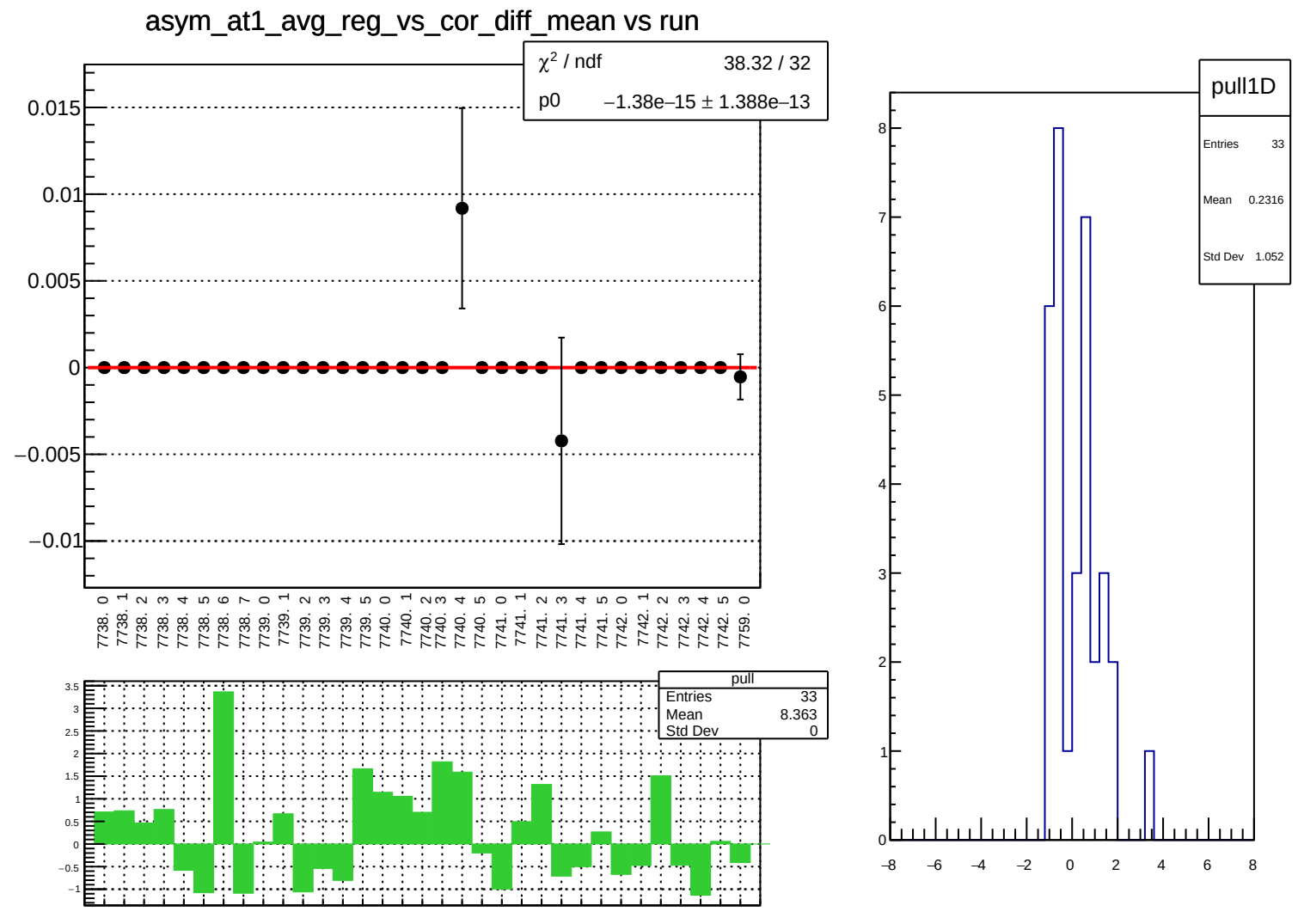

pull1D
Entries 33
Mean −0.02366
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

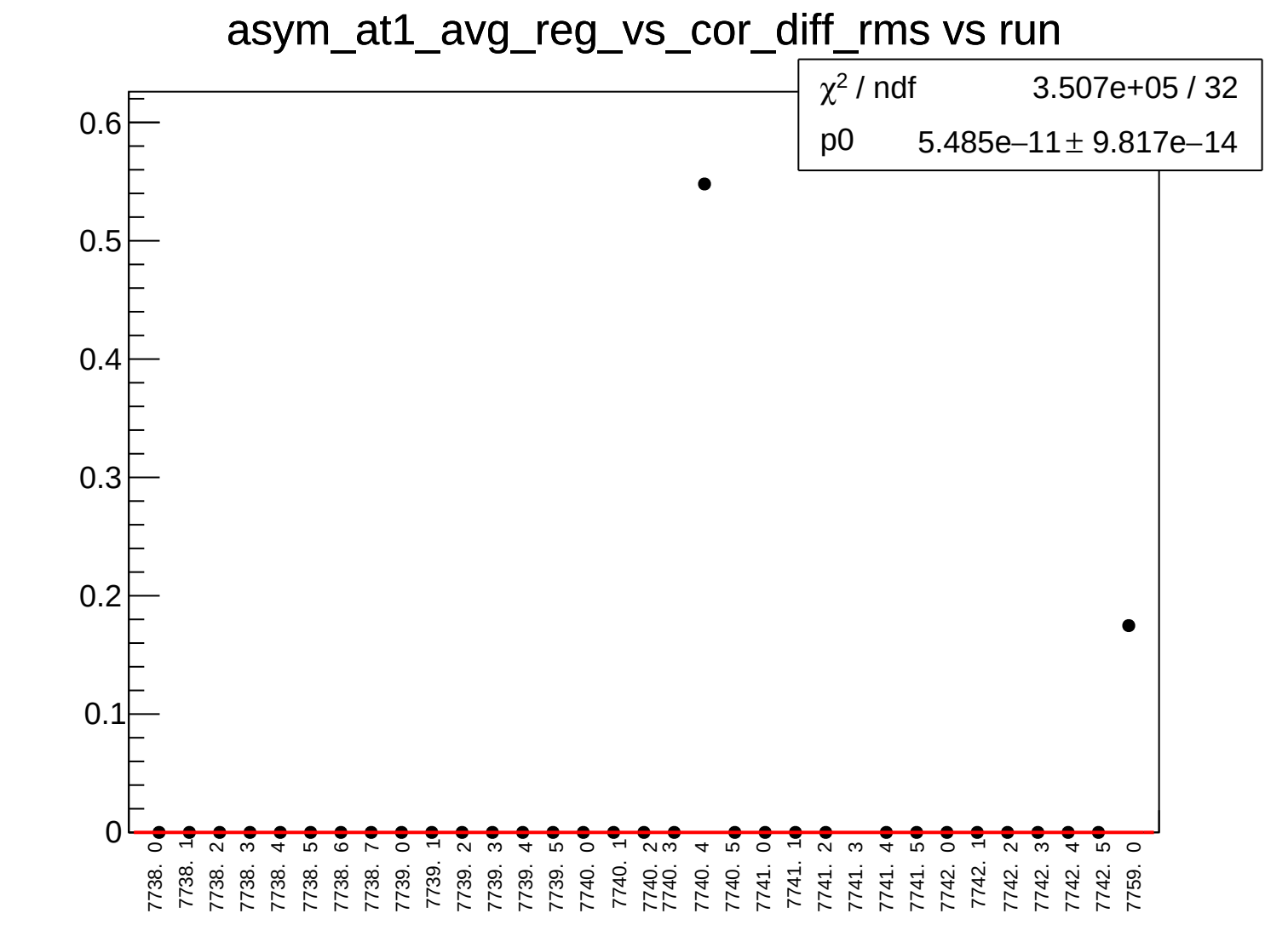

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1941 / 32
p0 801.6 ± 0.986
900
850
800
750
700
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

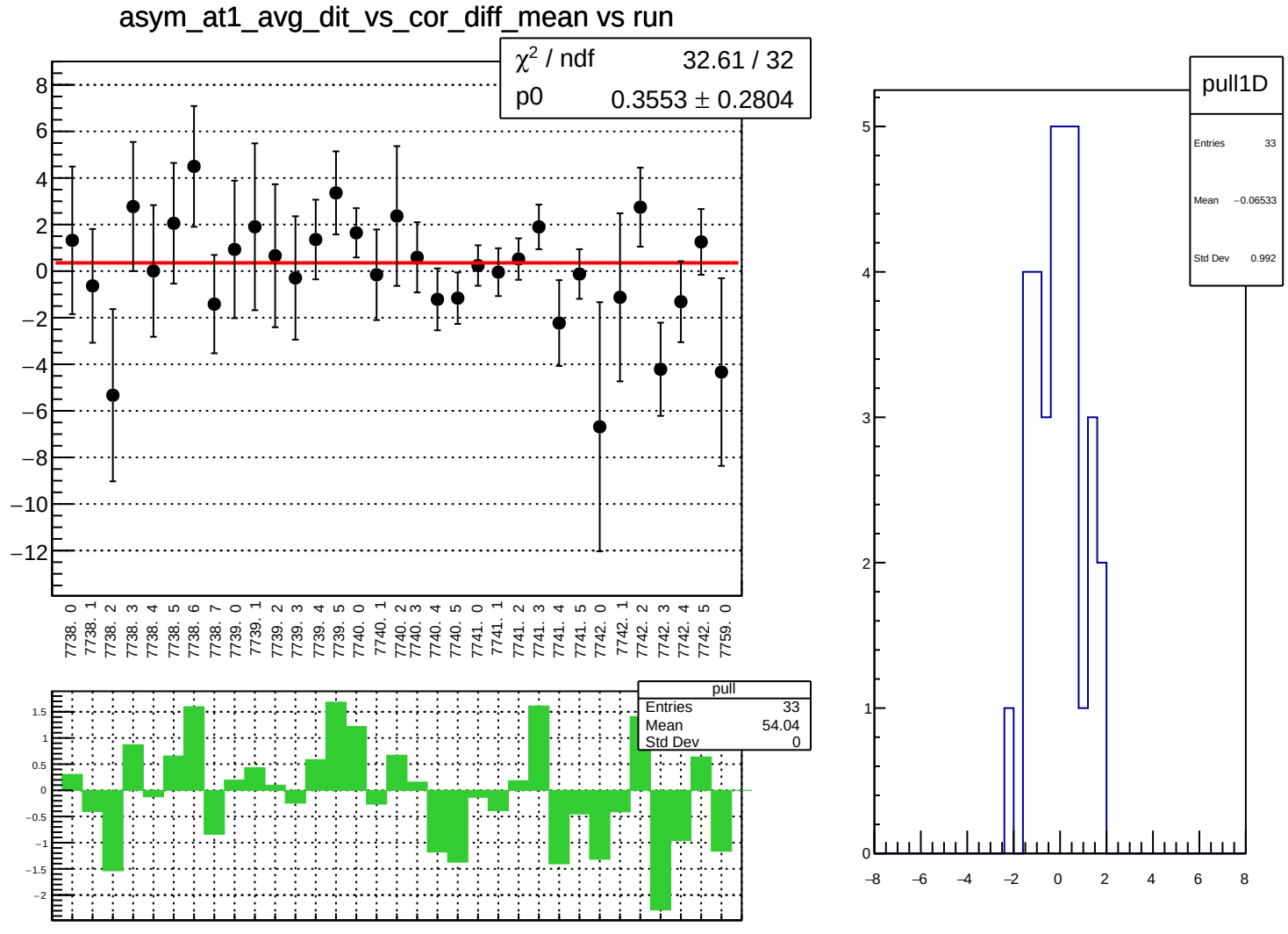

asym_at1_avg_mean vs run
χ² / ndf 29.31 / 32
p0 5318 ± 3624
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.76
Std Dev 31.71
1.5
1
0.5
0
−0.5
−1
−1.5

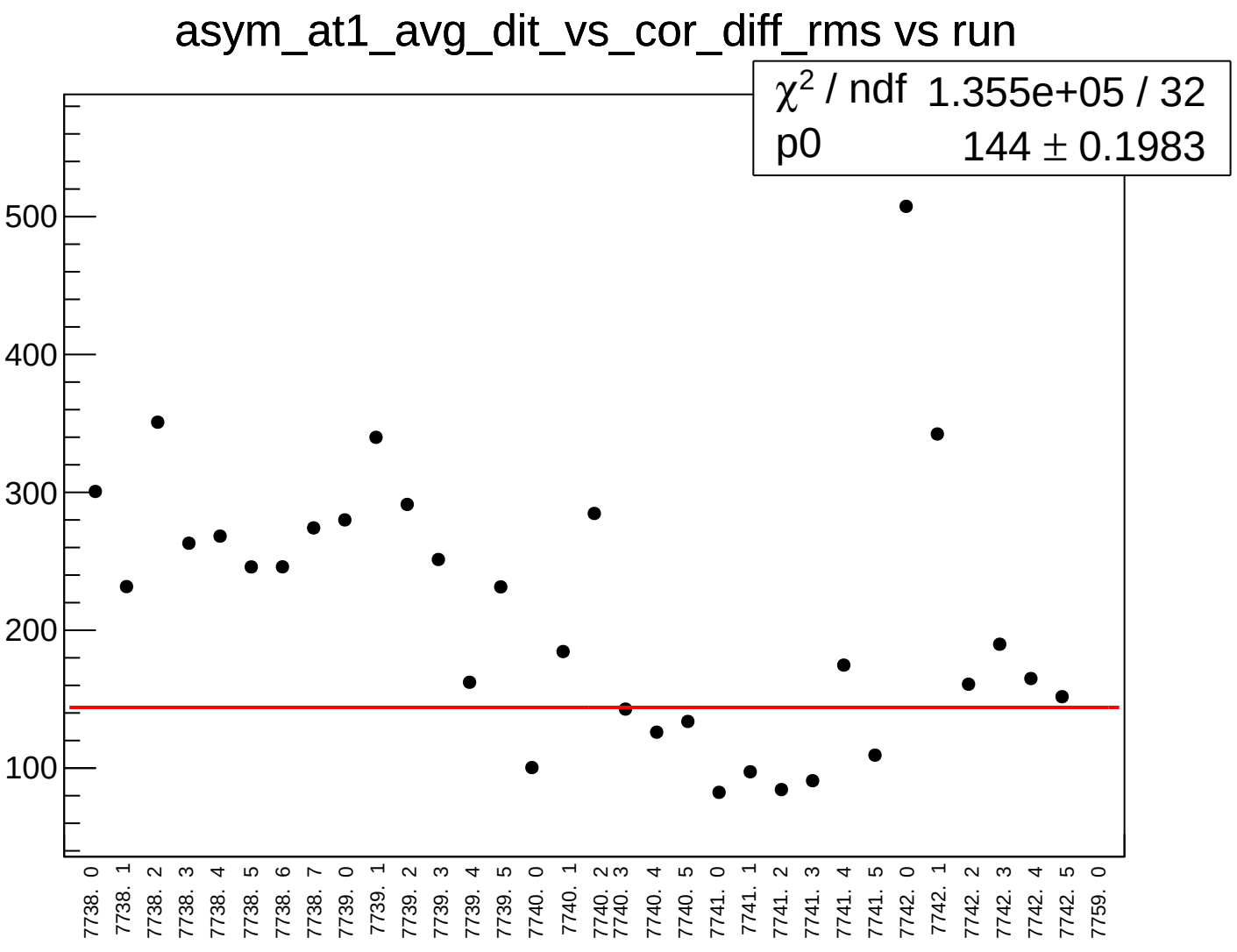

pull1D
Entries 33
Mean −0.007789
Std Dev 0.9424
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

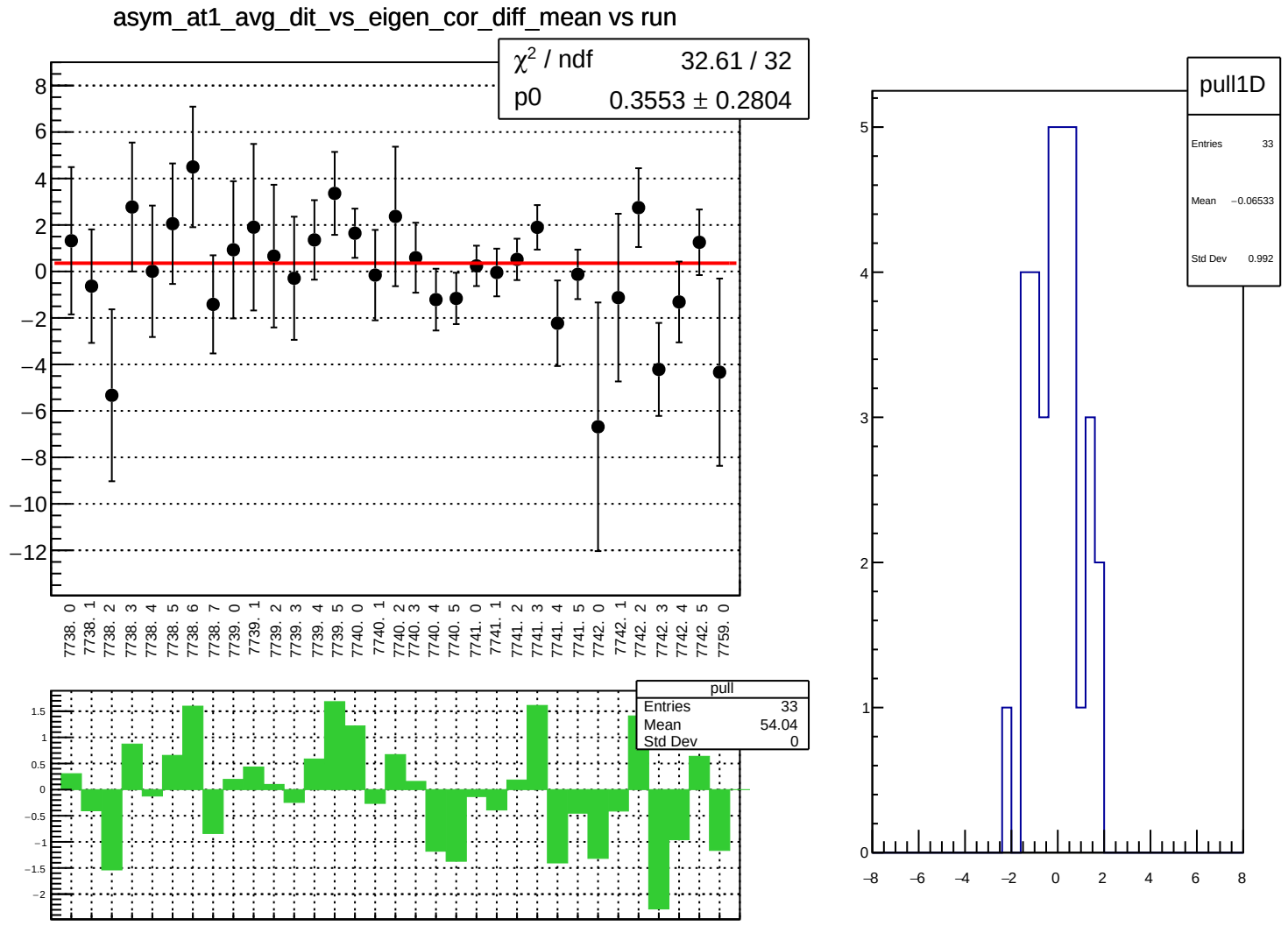

asym_at1_avg_rms vs run
χ² / ndf 938.3 / 32
p0 2085 ± 2.563
2300
2250
2200
2150
2100
2050
2000
1950
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

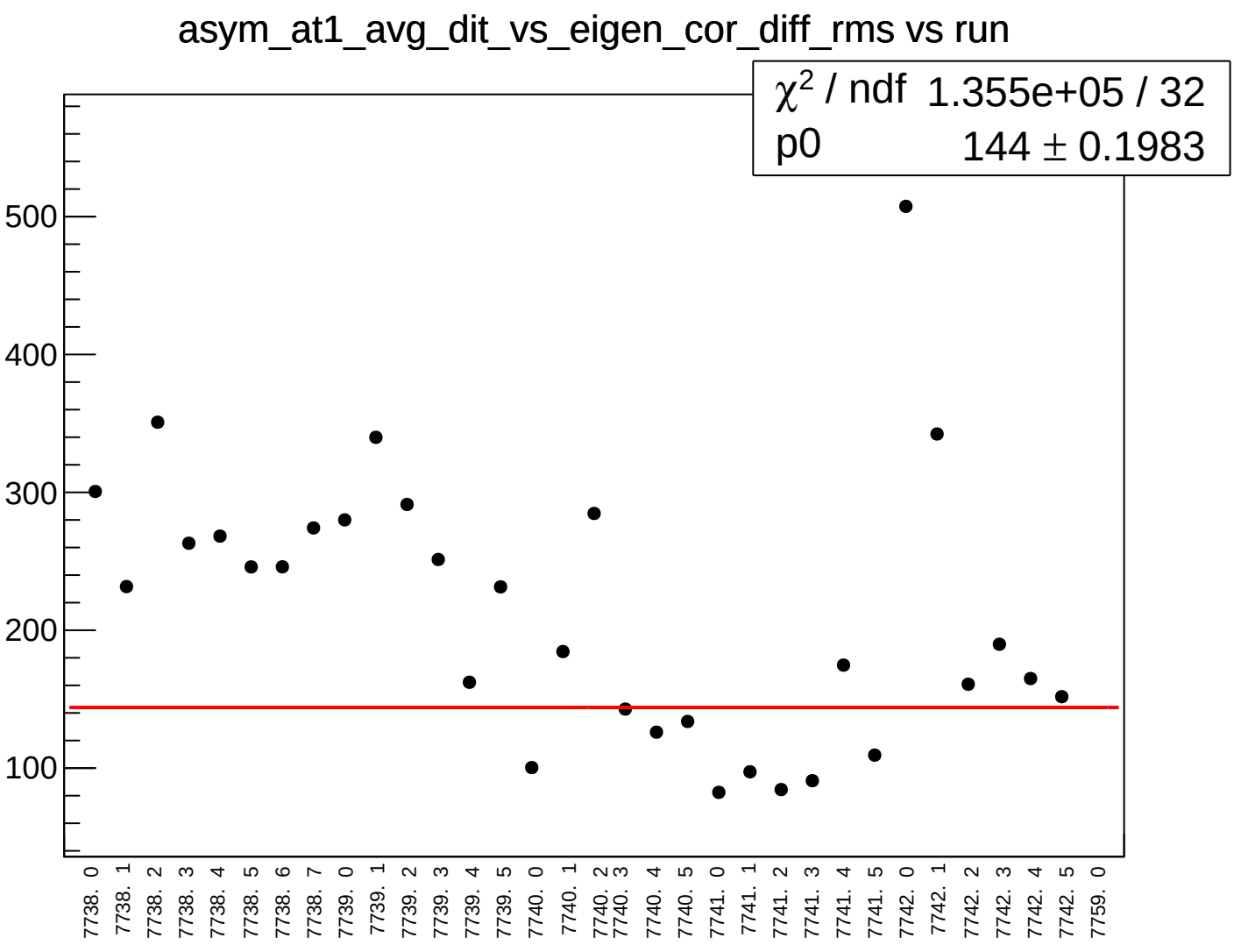

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 38.32 / 32
p0 −1.38e−15 ± 1.388e−13
0.015
0.01
0.005
0
−0.005
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.363
Std Dev 0
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.2316
Std Dev 1.052
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

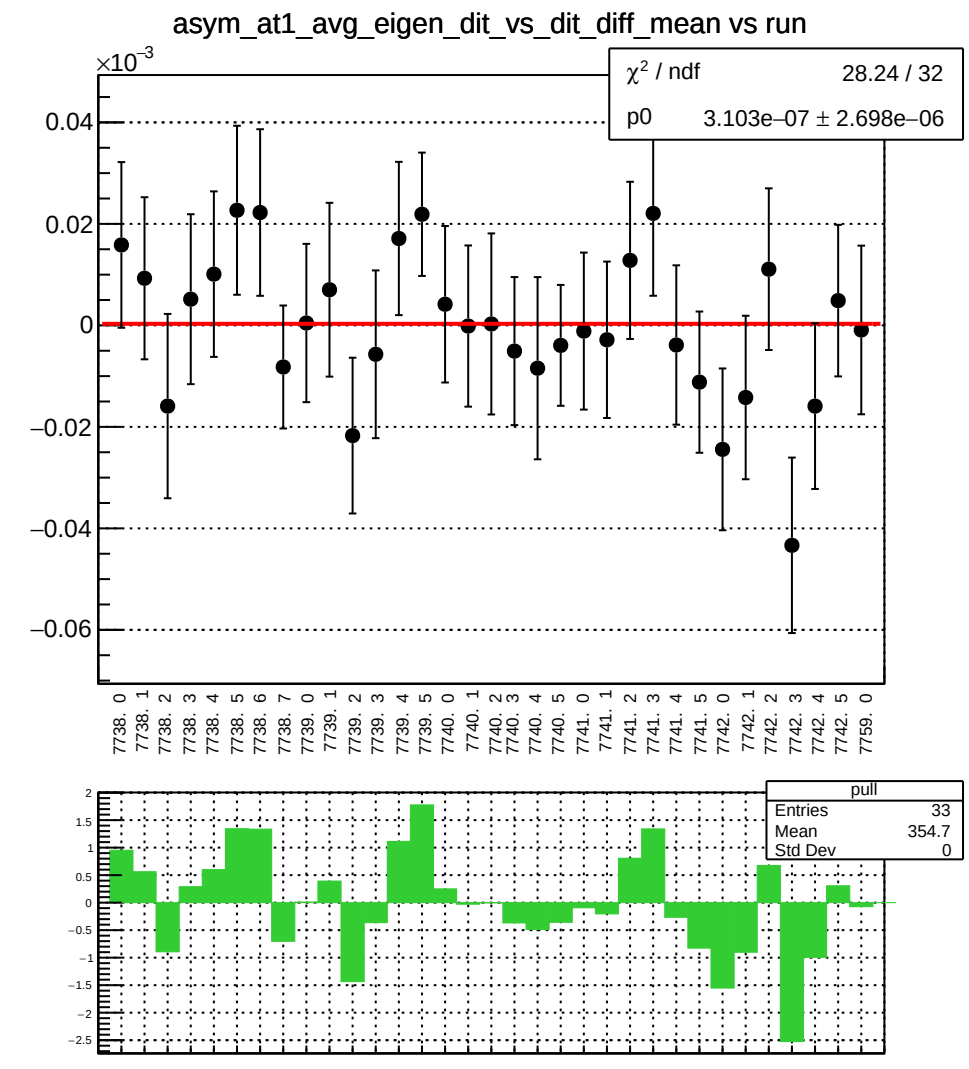

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.507e+05 / 32
p0 5.485e−11 ± 9.817e−14
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

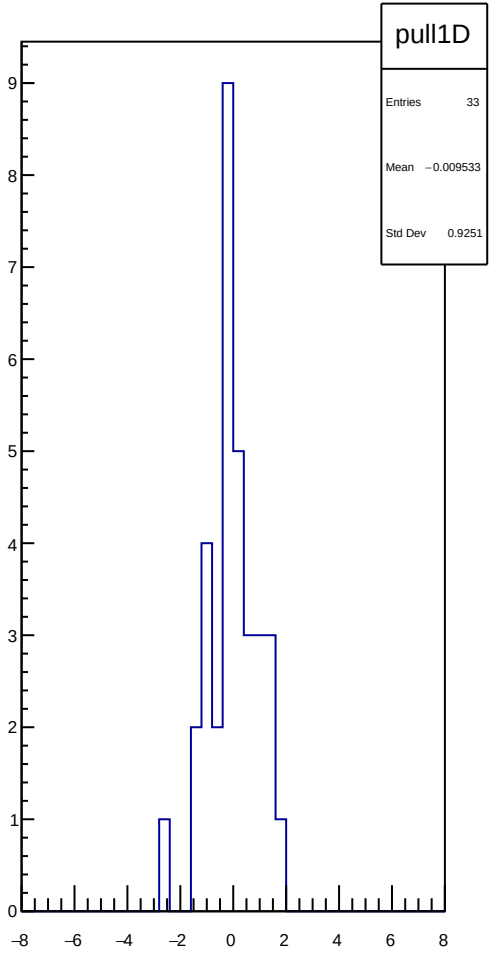

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 32.61 / 32
p0 0.3553 ± 0.2804
pull
Entries 33
Mean 54.04
Std Dev 0
pull1D
Entries 33
Mean −0.06533
Std Dev 0.992

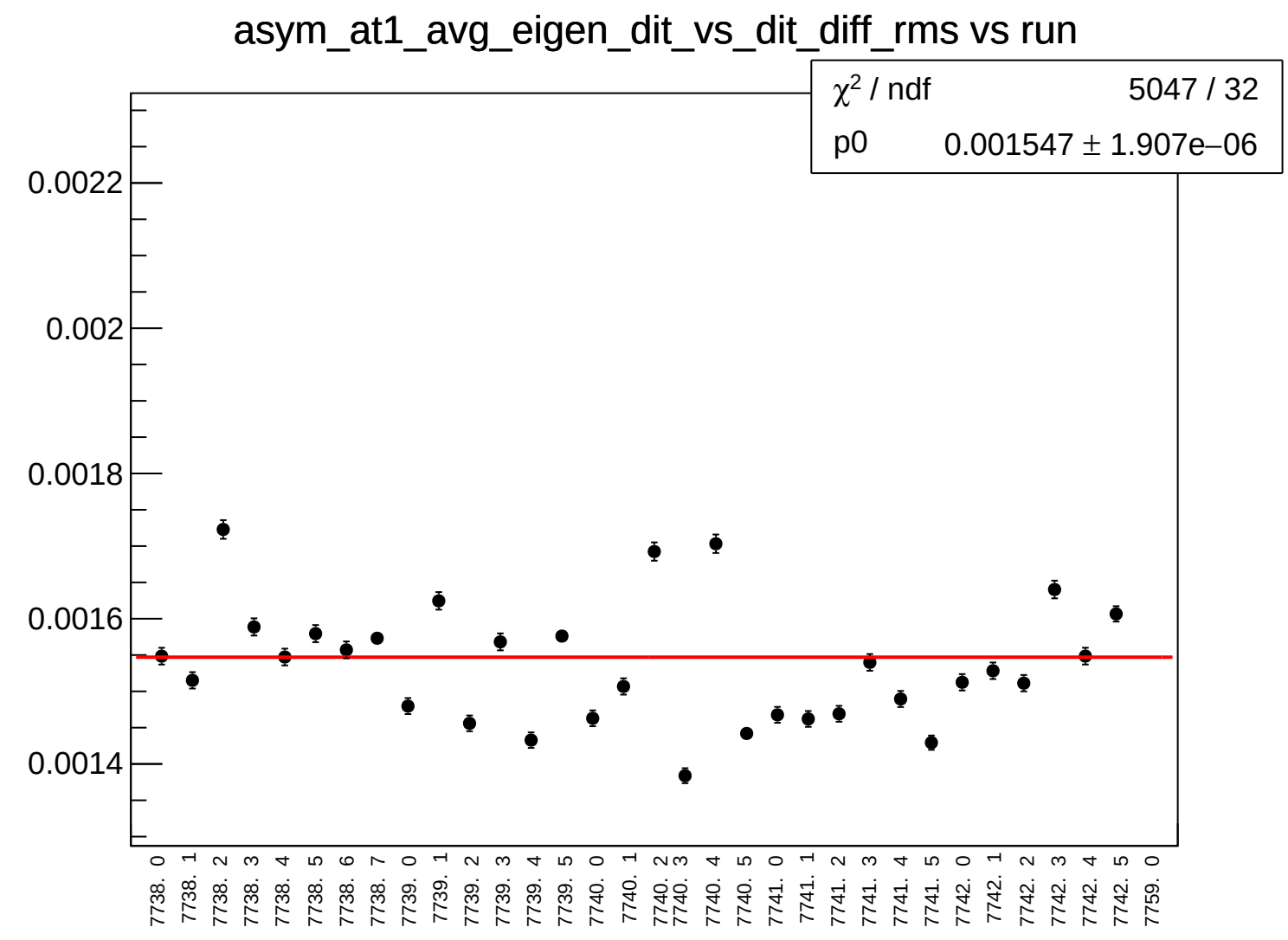

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.355e+05 / 32
p0 144 ± 0.1983
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

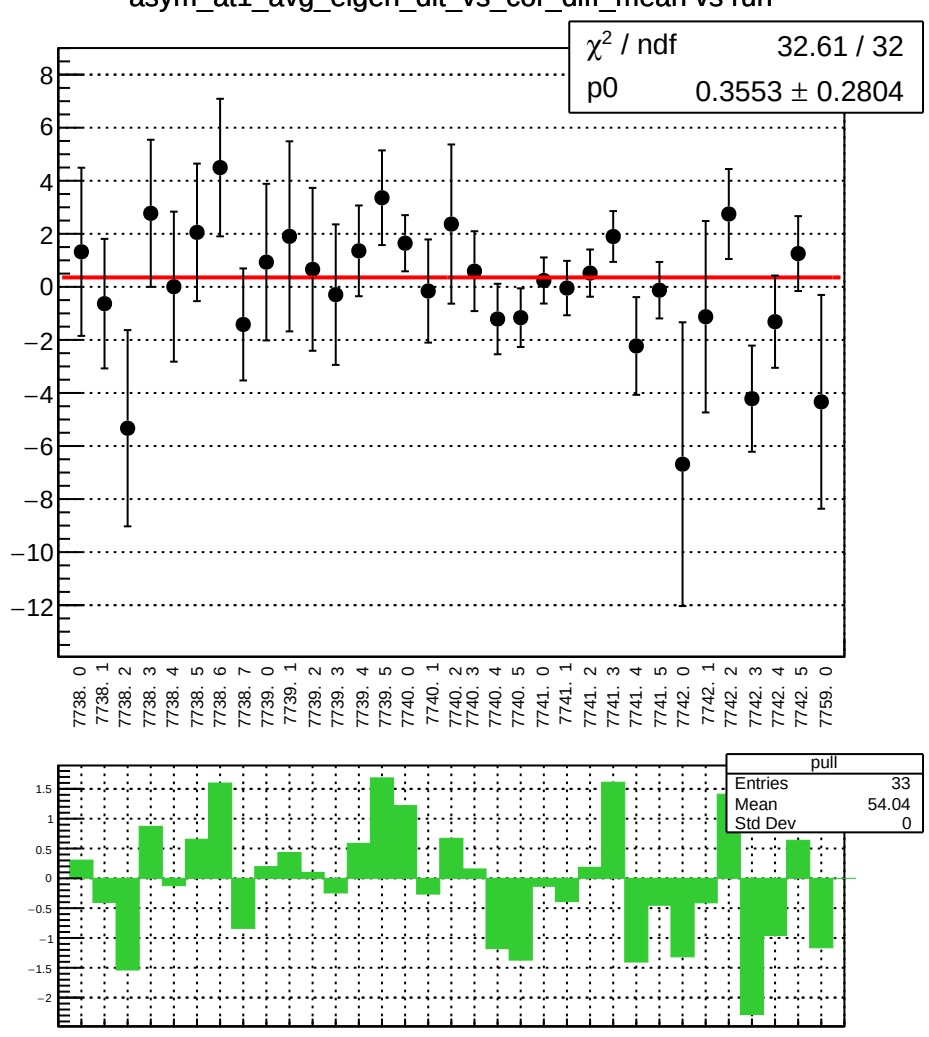

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.61 / 32
p0 0.3553 ± 0.2804
pull
Entries 33
Mean 54.04
Std Dev 0
pull1D
Entries 33
Mean −0.06533
Std Dev 0.992

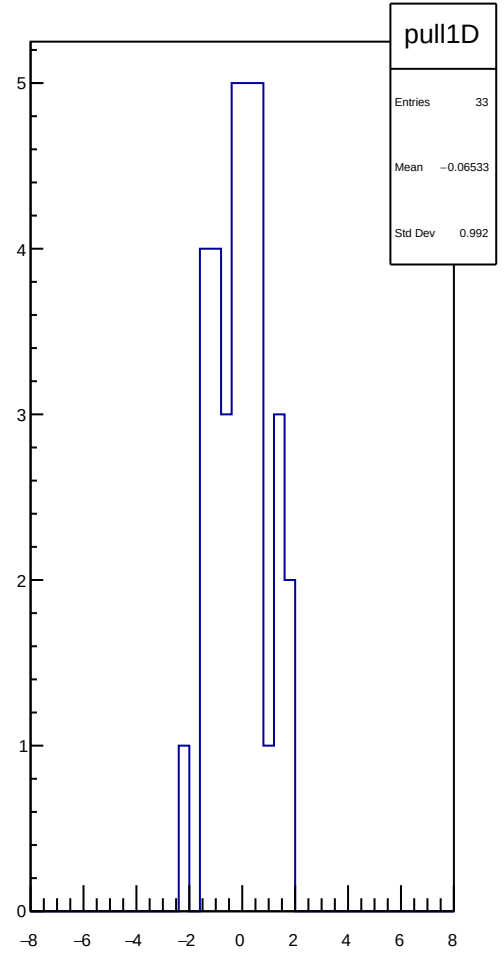

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.355e+05 / 32
p0 144 ± 0.1983
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

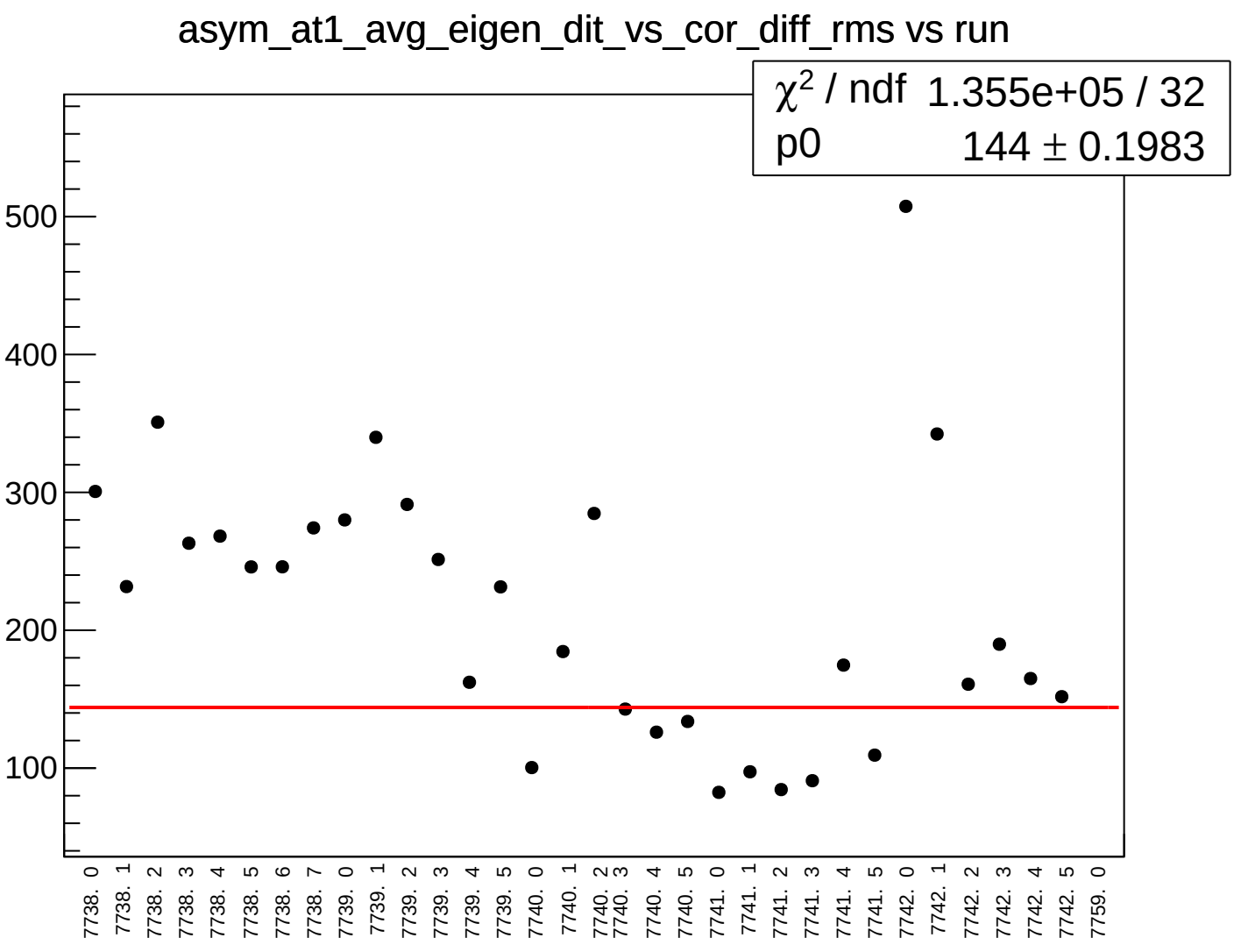

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.24 / 32
p0 3.103e−07 ± 2.698e−06
0.04
0.02
0
−0.02
−0.04
−0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 354.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

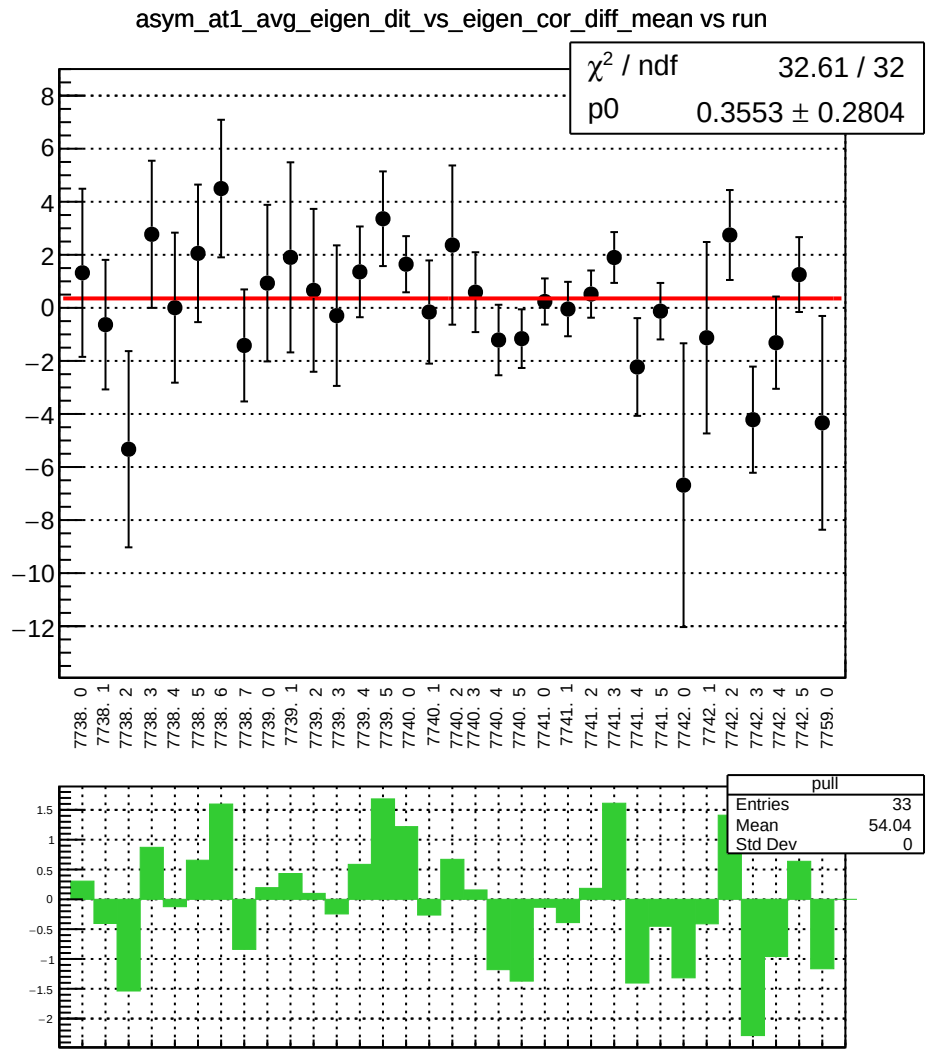

pull1D
Entries 33
Mean −0.009533
Std Dev 0.9251
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

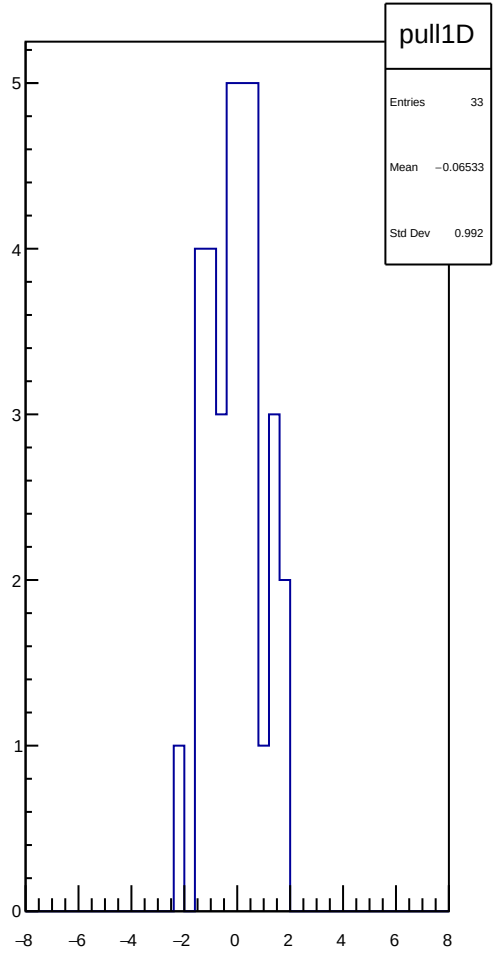

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5047 / 32
p0 0.001547 ± 1.907e−06
0.0022
0.002
0.0018
0.0016
0.0014
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

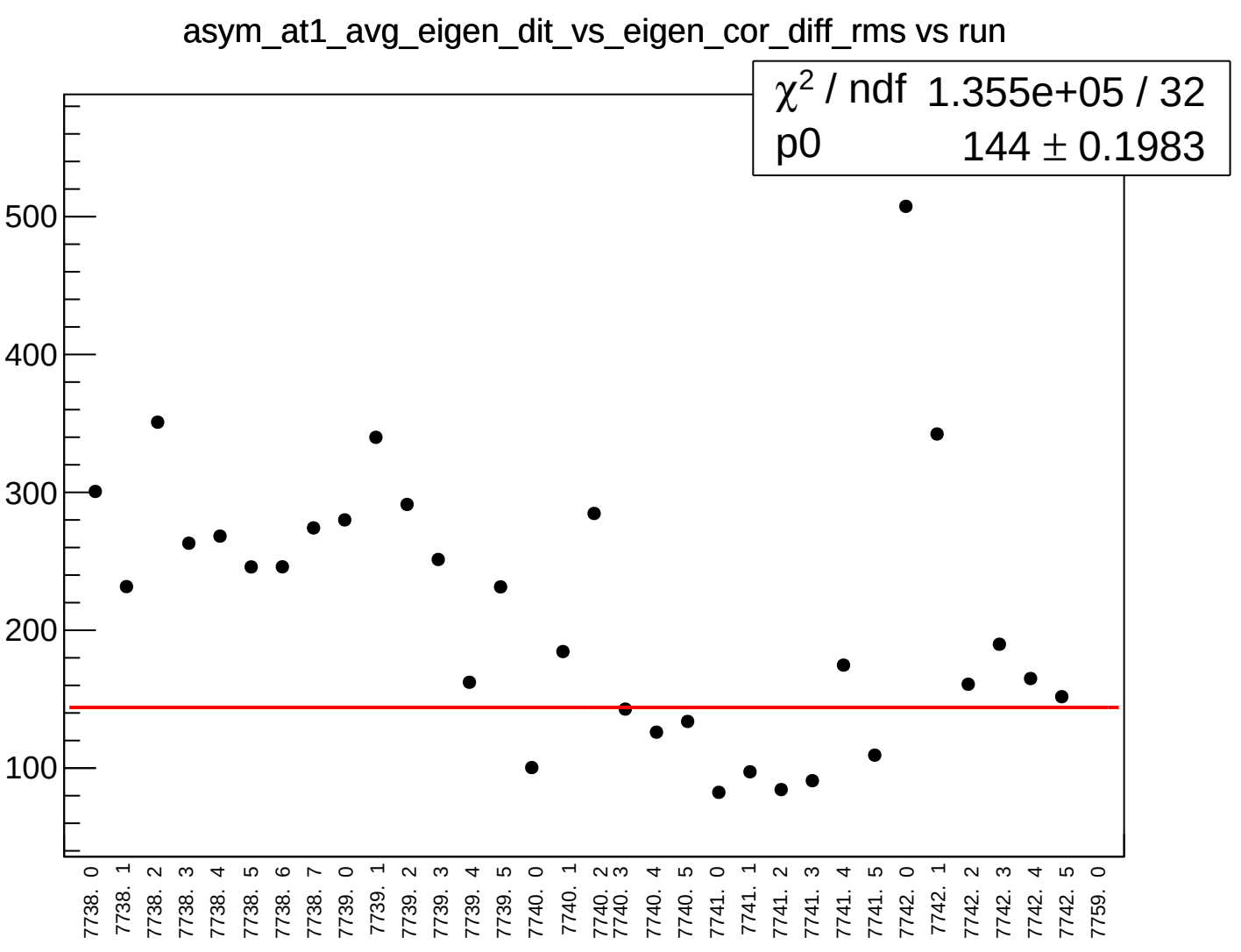

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 32.61 / 32
p0 0.3553 ± 0.2804
pull
Entries 33
Mean 54.04
Std Dev 0

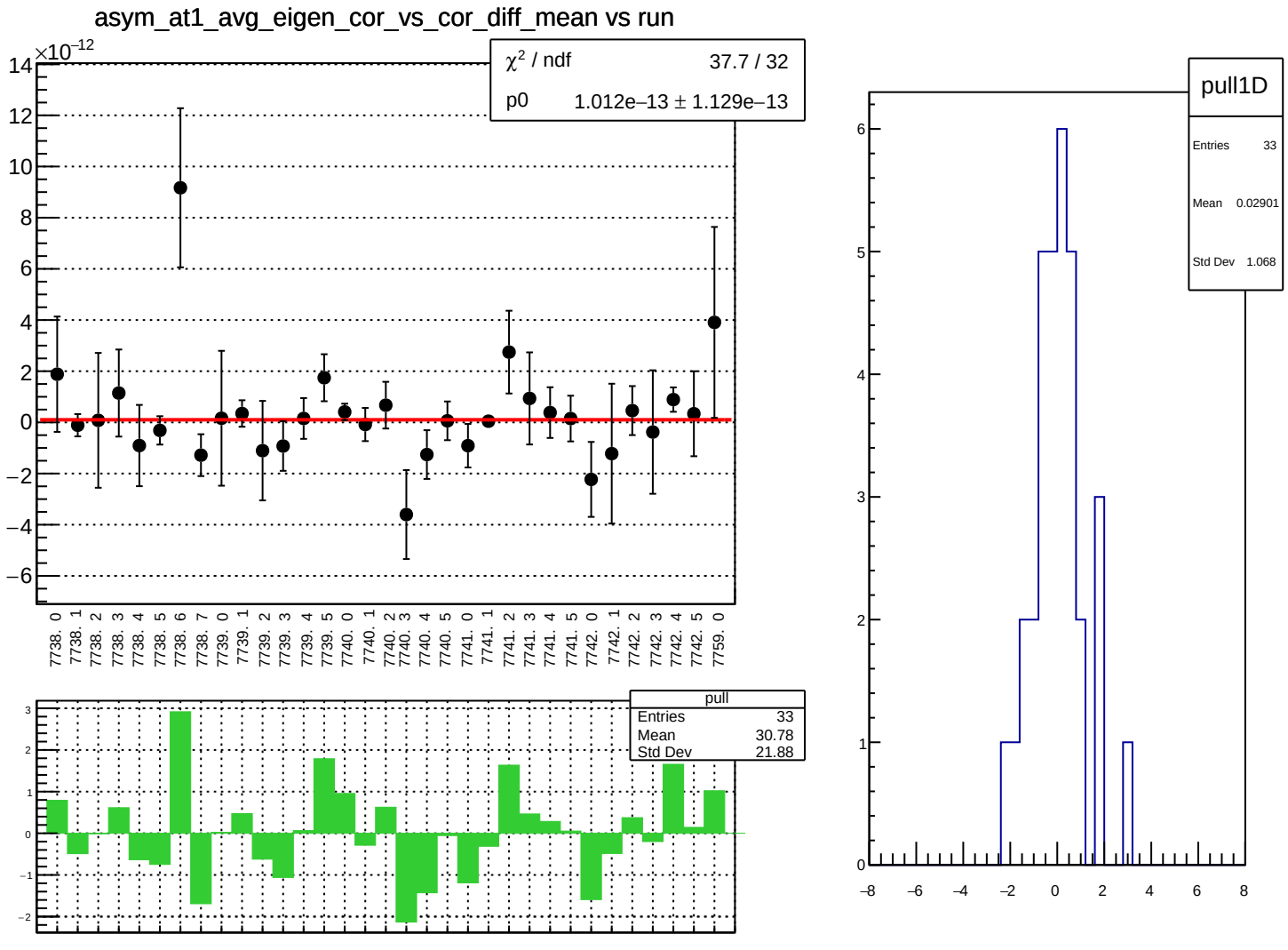

pull1D
Entries 33
Mean −0.06533
Std Dev 0.992

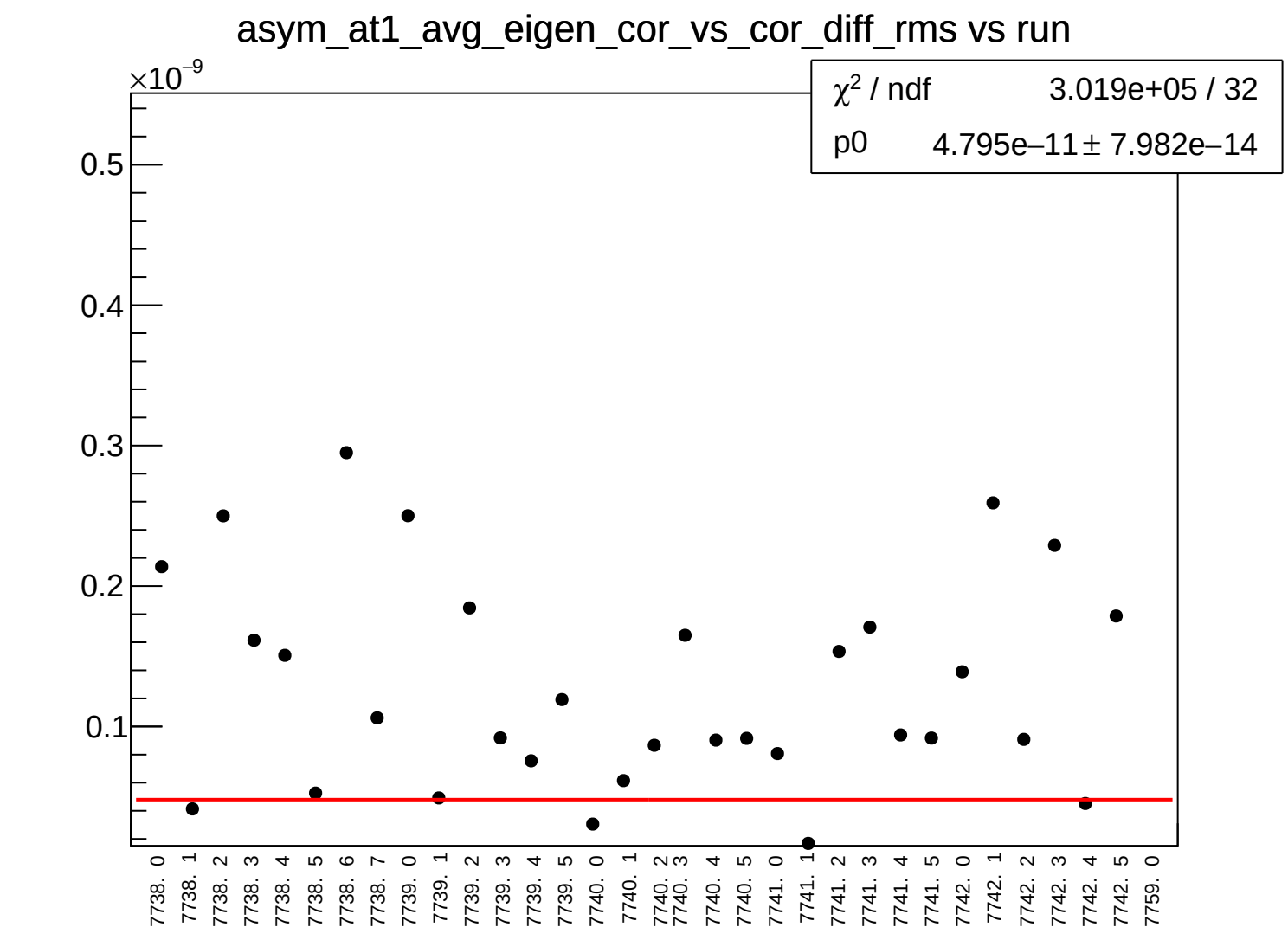

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.355e+05 / 32
p0 144 ± 0.1983
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

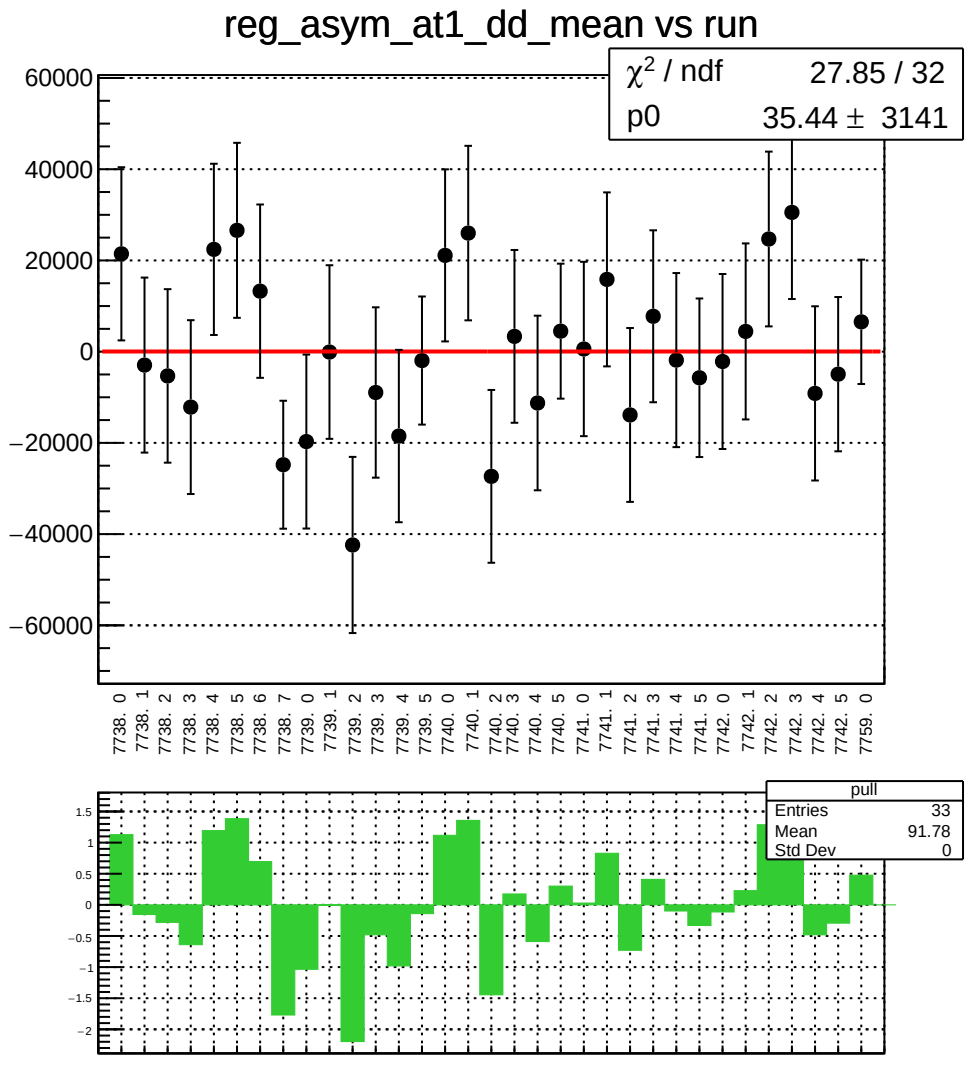

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.61 / 32
p0 0.3553 ± 0.2804
pull
Entries 33
Mean 54.04
Std Dev 0

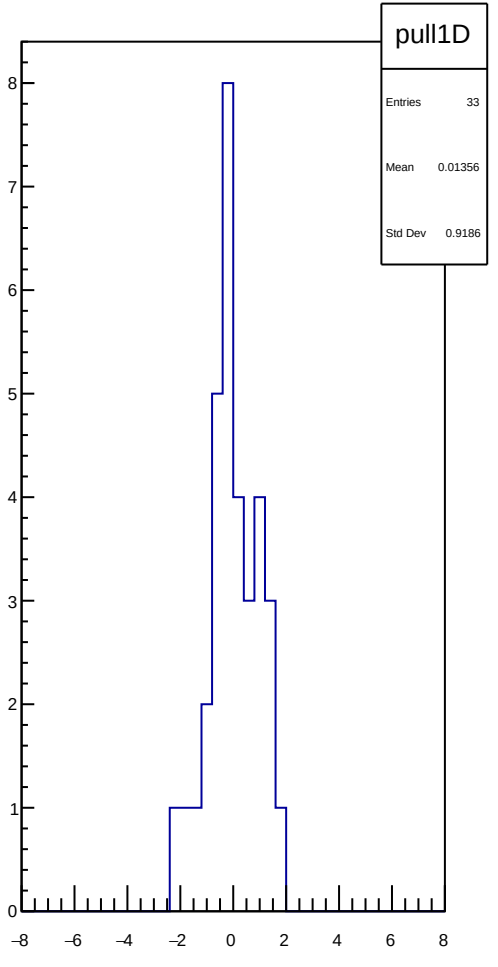

pull1D
Entries 33
Mean −0.06533
Std Dev 0.992

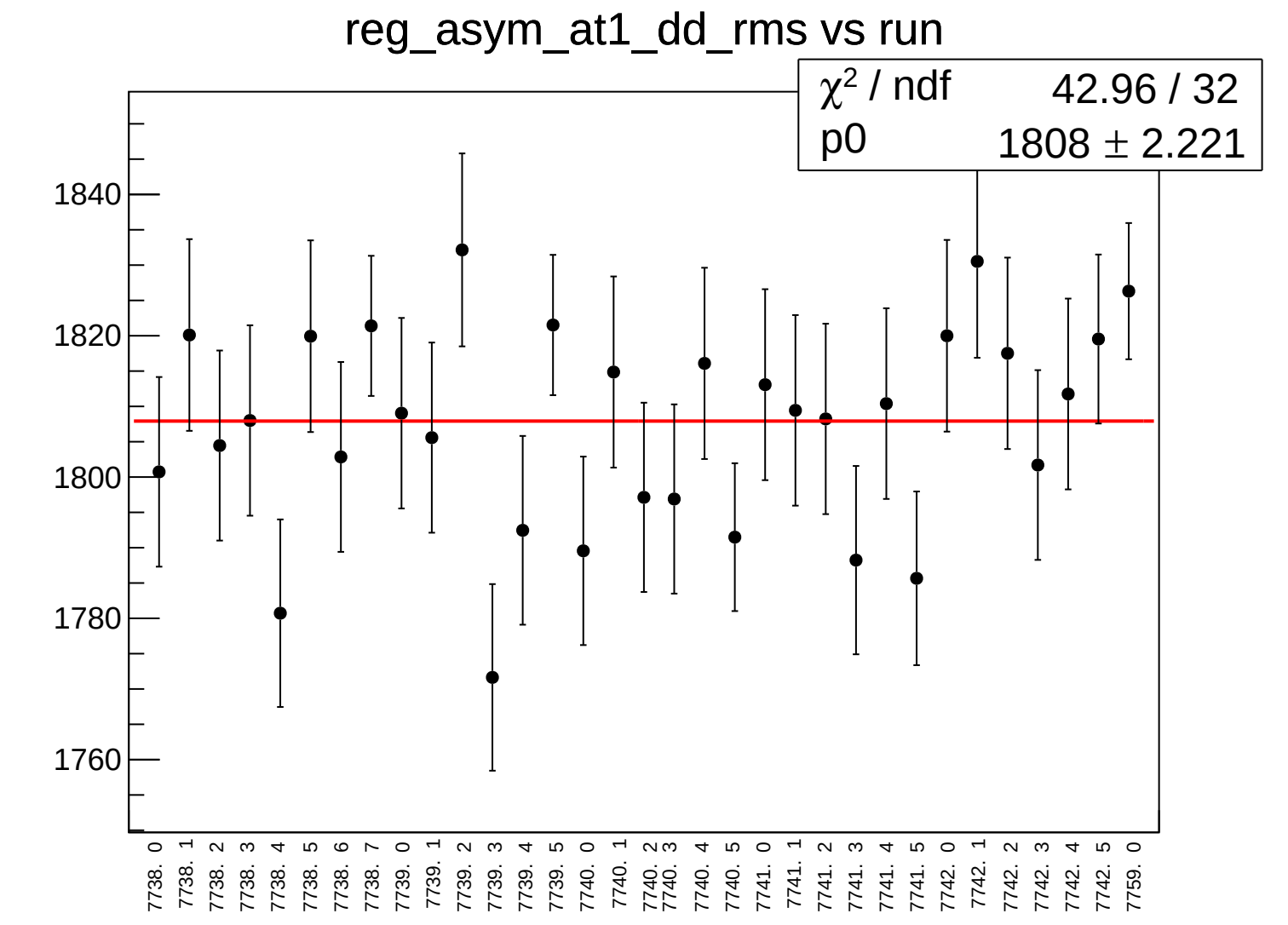

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.355e+05 / 32
p0 144 ± 0.1983
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

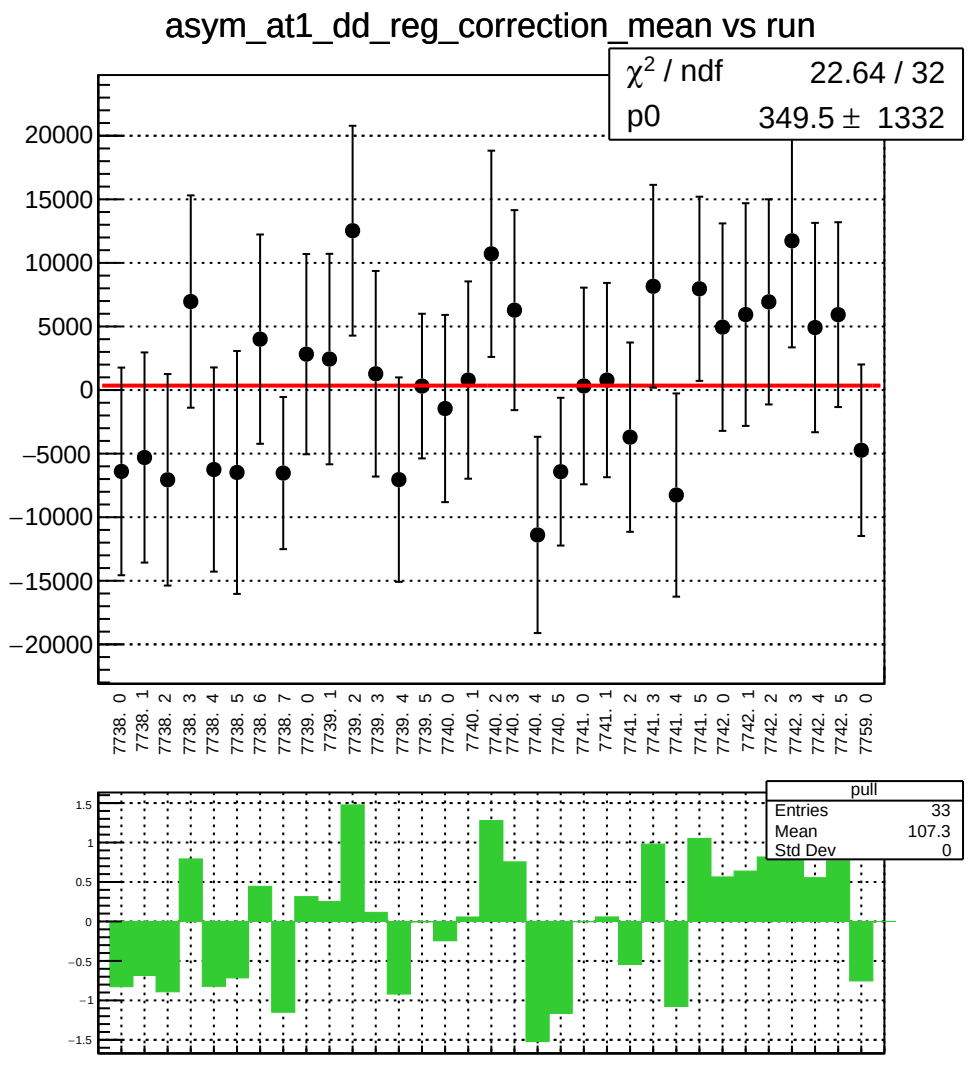

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.7 / 32
p0 1.012e−13 ± 1.129e−13
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 30.78
Std Dev 21.88
pull1D
Entries 33
Mean 0.02901
Std Dev 1.068

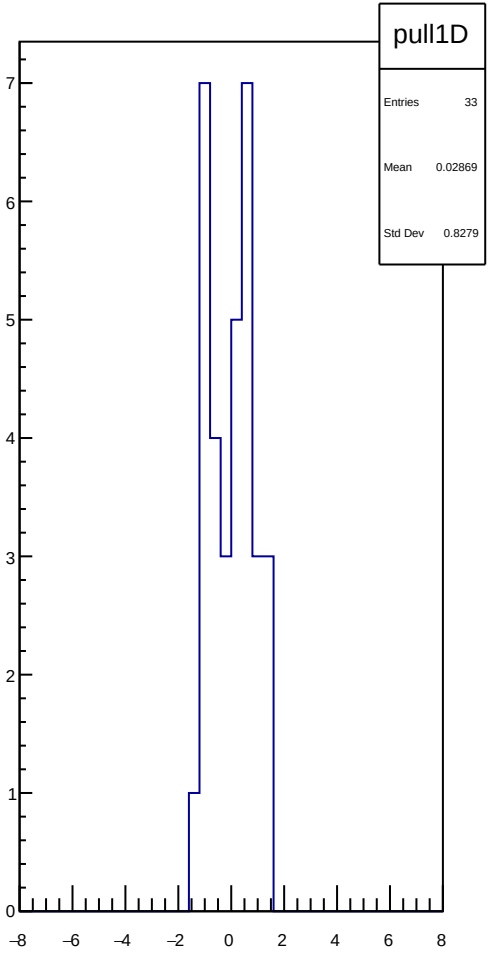

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.019e+05 / 32
p0 4.795e−11 ± 7.982e−14
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

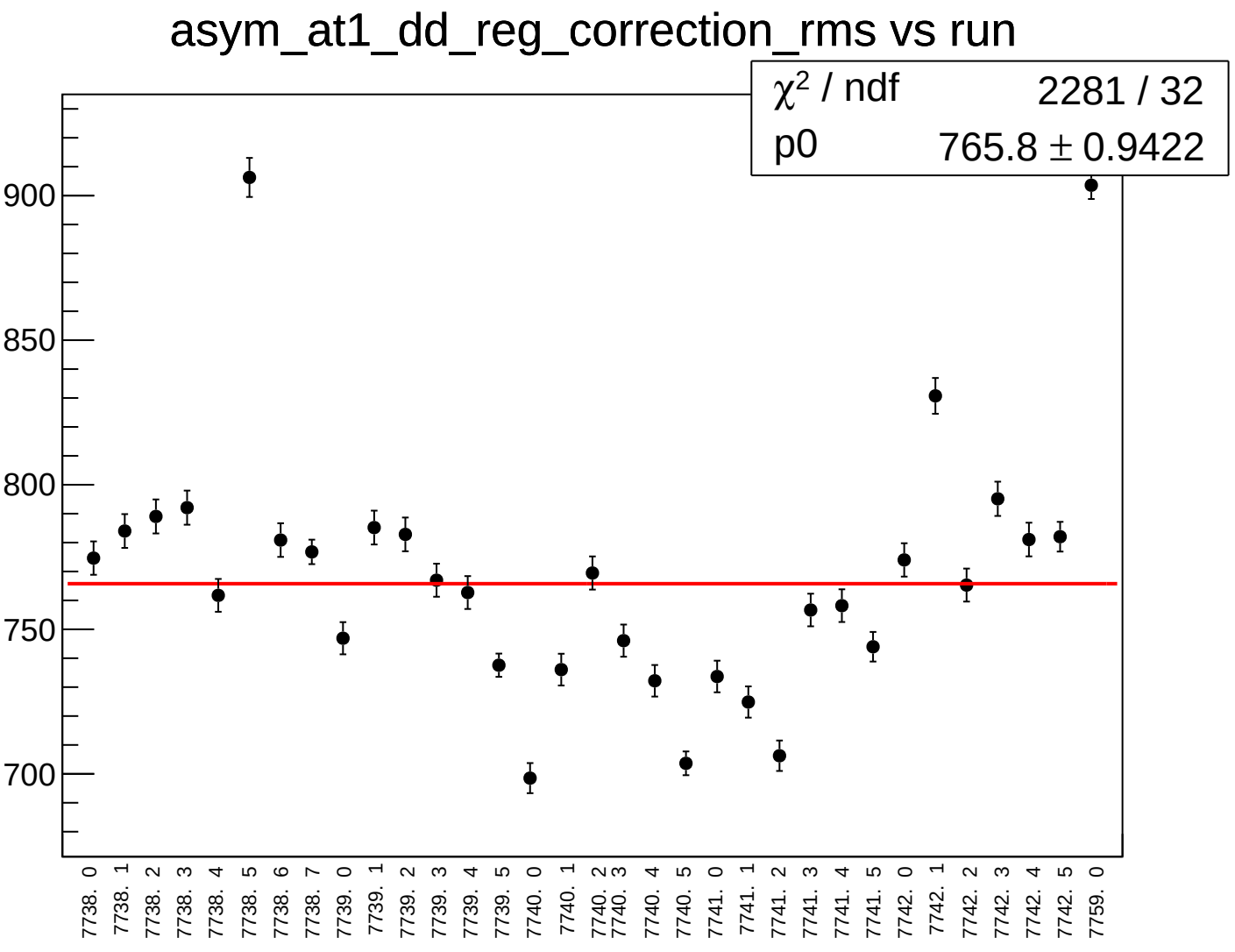

reg_asym_at1_dd_mean vs run
χ² / ndf 27.85 / 32
p0 35.44 ± 3141
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 91.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

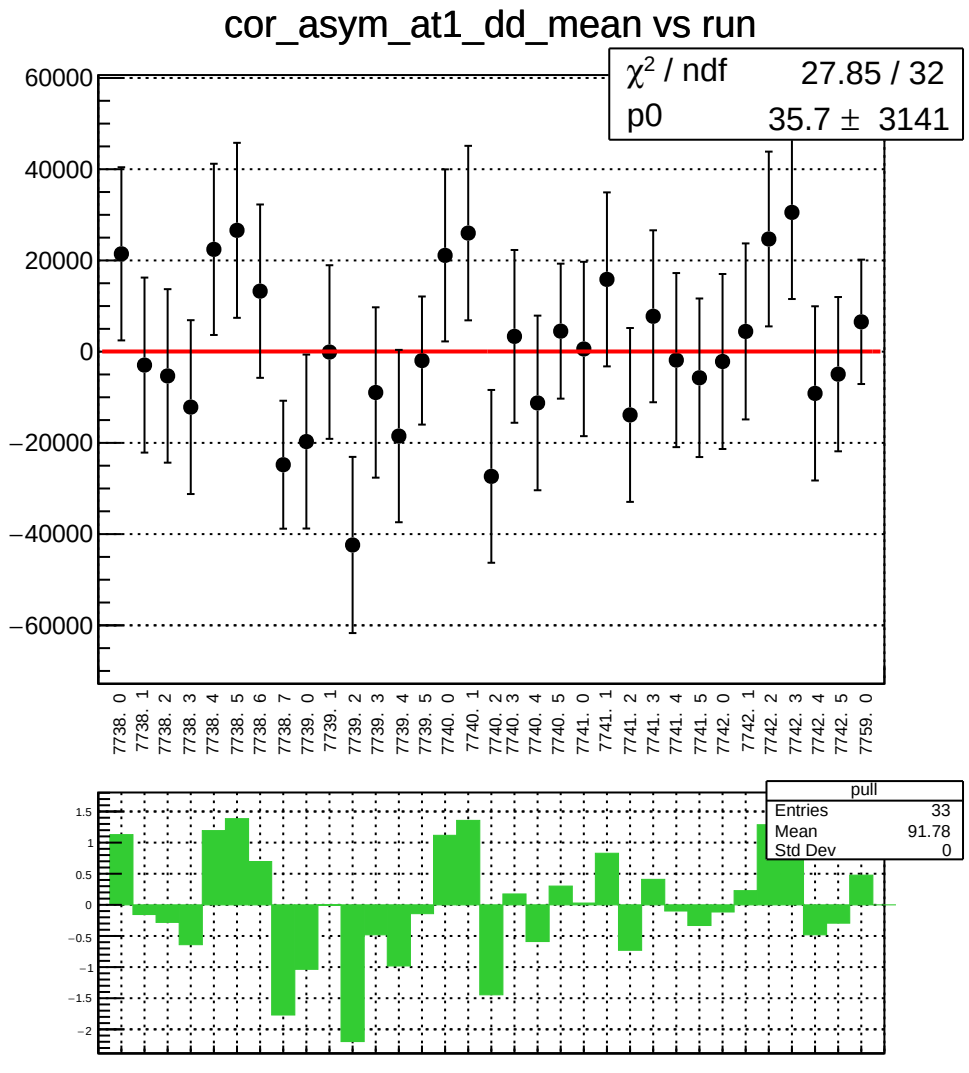

pull1D
Entries 33
Mean 0.01356
Std Dev 0.9186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

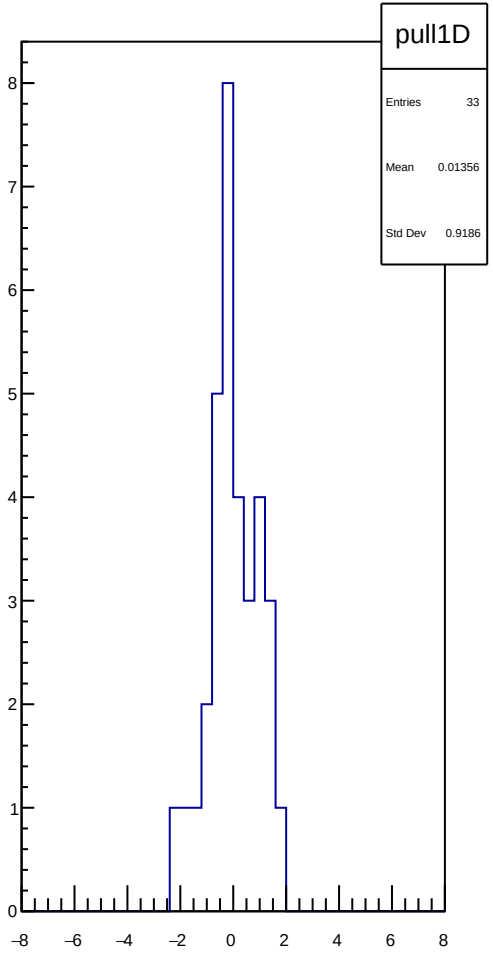

reg_asym_at1_dd_rms vs run
χ² / ndf 42.96 / 32
p0 1808 ± 2.221
1840
1820
1800
1780
1760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

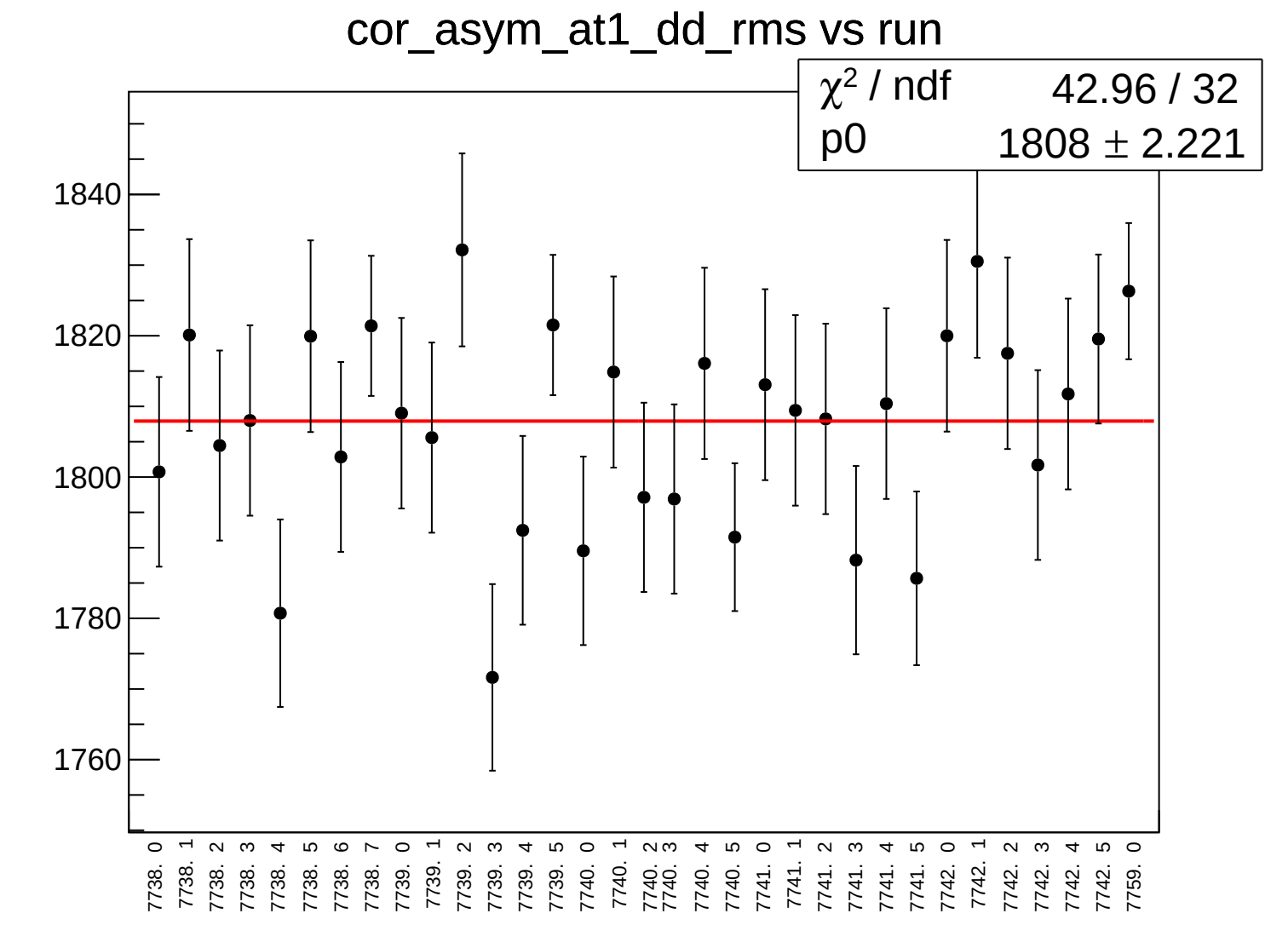

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 22.64 / 32
p0 349.5 ± 1332
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

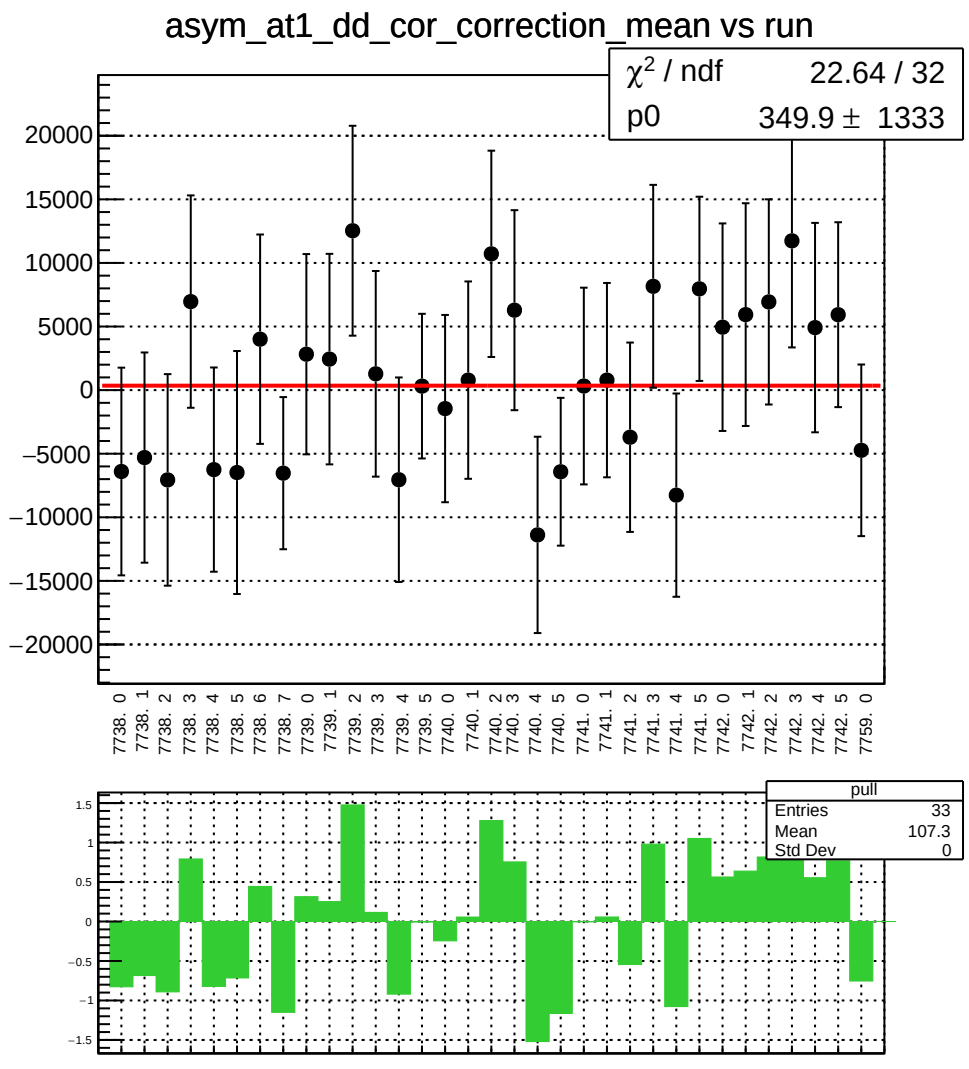

pull1D
Entries 33
Mean 0.02869
Std Dev 0.8279
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

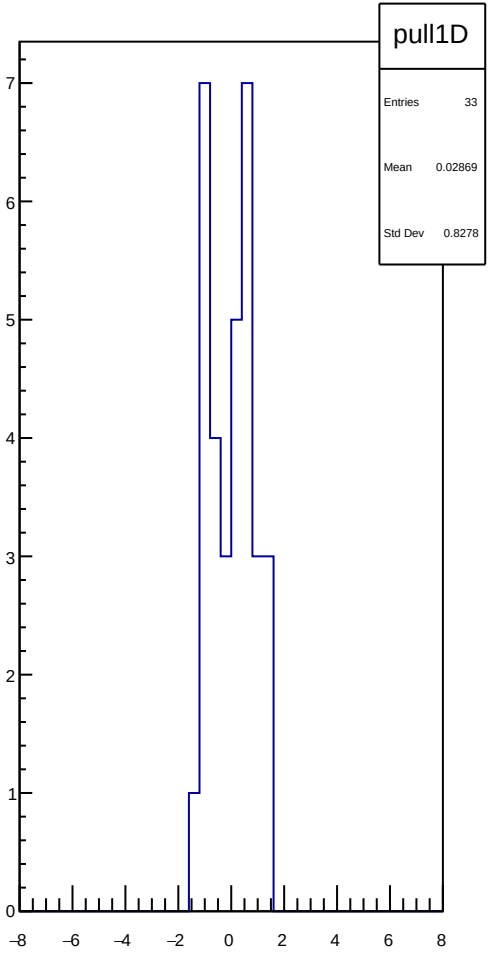

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 2281 / 32
p0 765.8 ± 0.9422
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

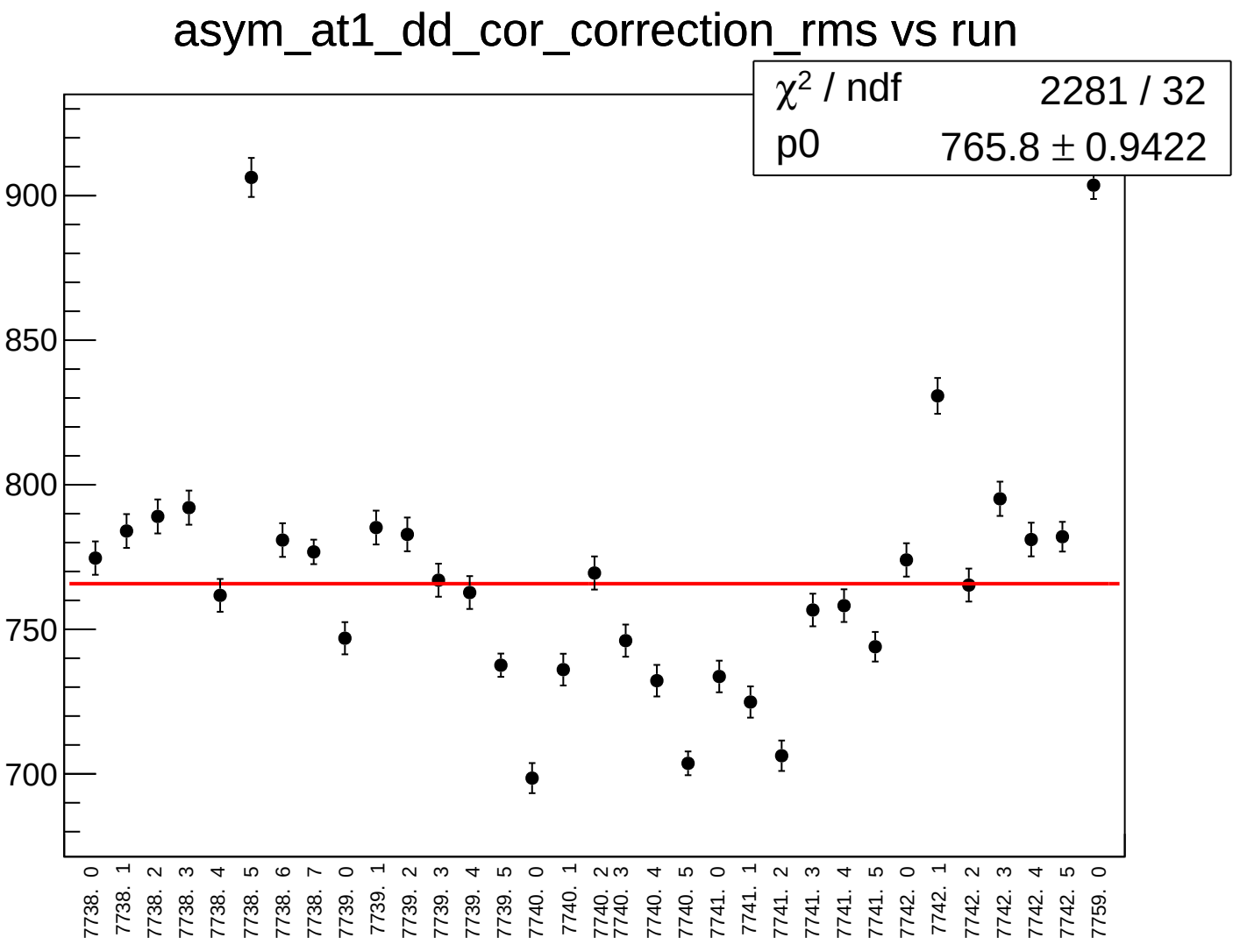

cor_asym_at1_dd_mean vs run
χ² / ndf 27.85 / 32
p0 35.7 ± 3141
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 91.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

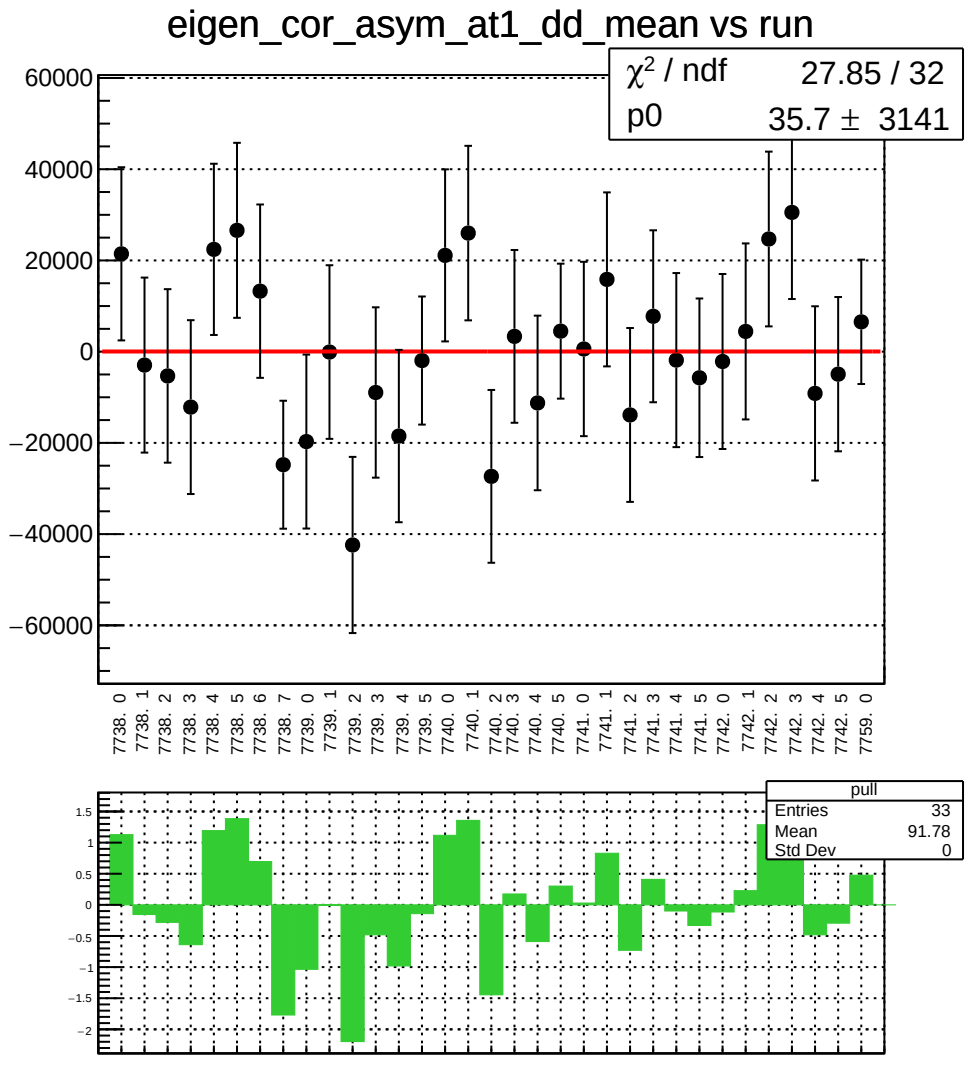

pull1D
Entries 33
Mean 0.01356
Std Dev 0.9186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

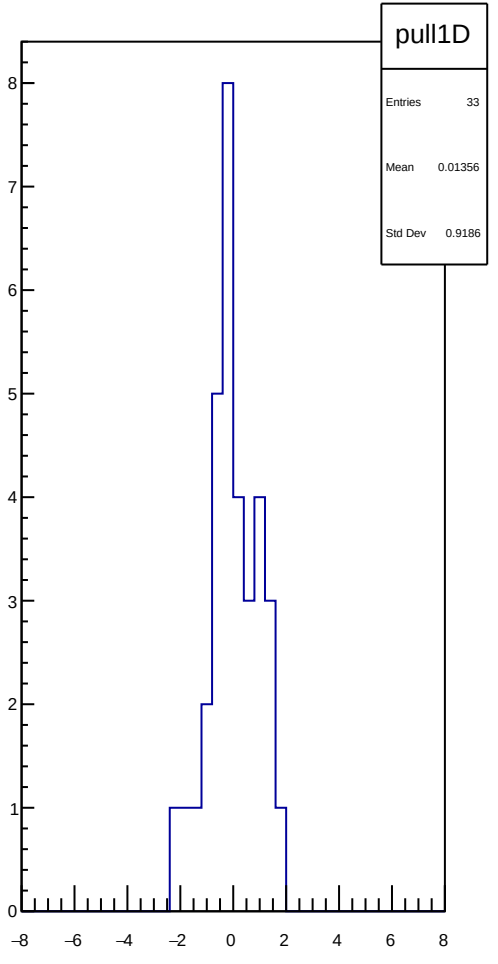

cor_asym_at1_dd_rms vs run
χ² / ndf 42.96 / 32
p0 1808 ± 2.221
1840
1820
1800
1780
1760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

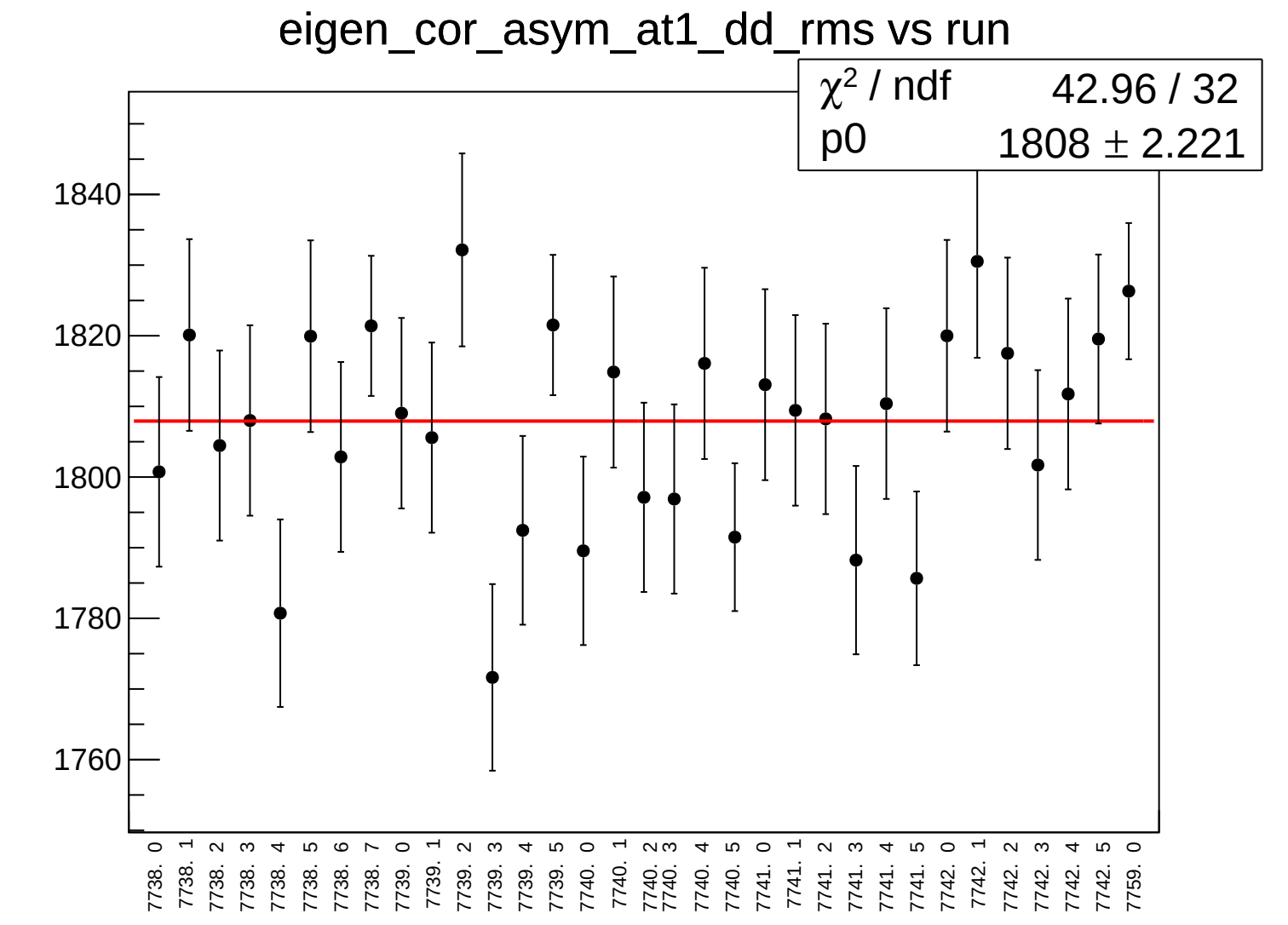

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 22.64 / 32
p0 349.9 ± 1333
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

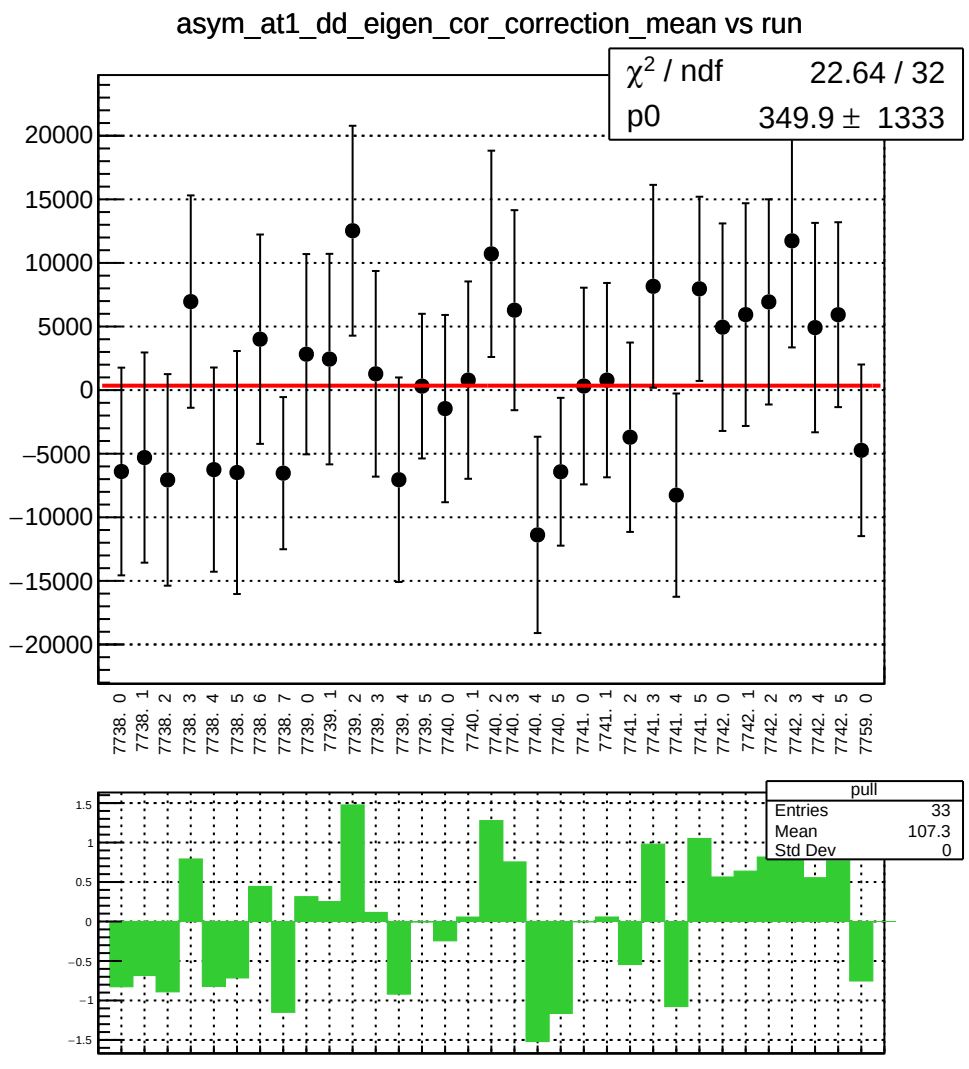

pull1D
Entries 33
Mean 0.02869
Std Dev 0.8278
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

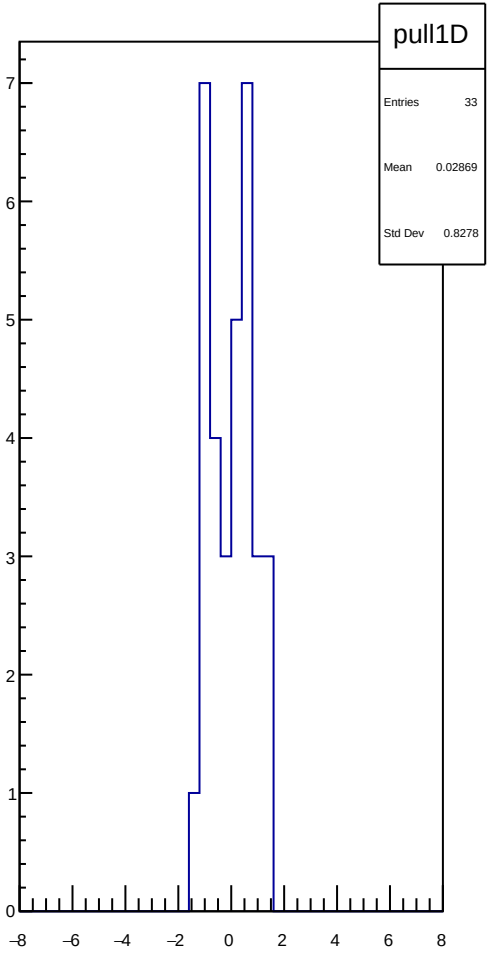

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 2281 / 32
p0 765.8 ± 0.9422
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

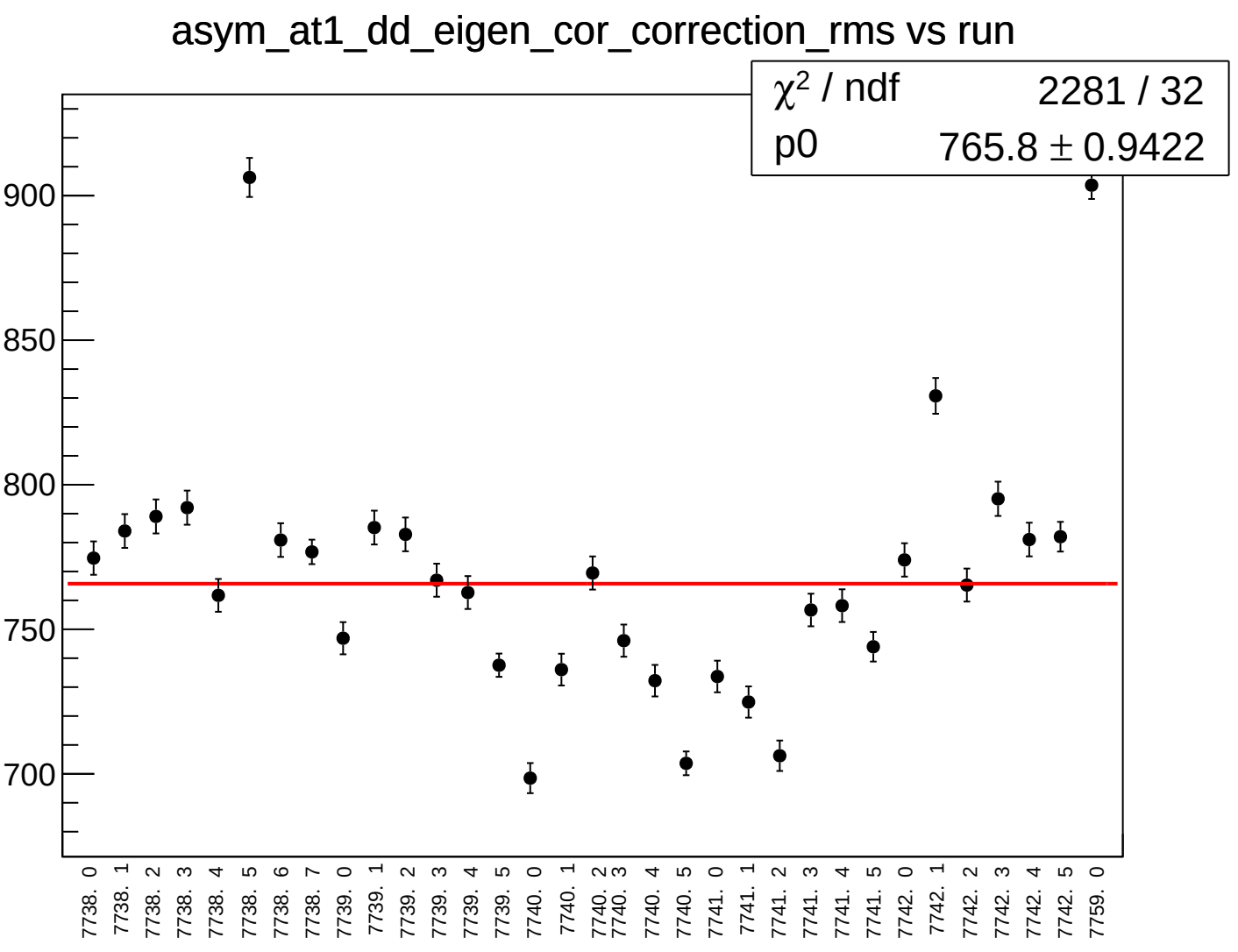

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 27.85 / 32
p0 35.7 ± 3141
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 91.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

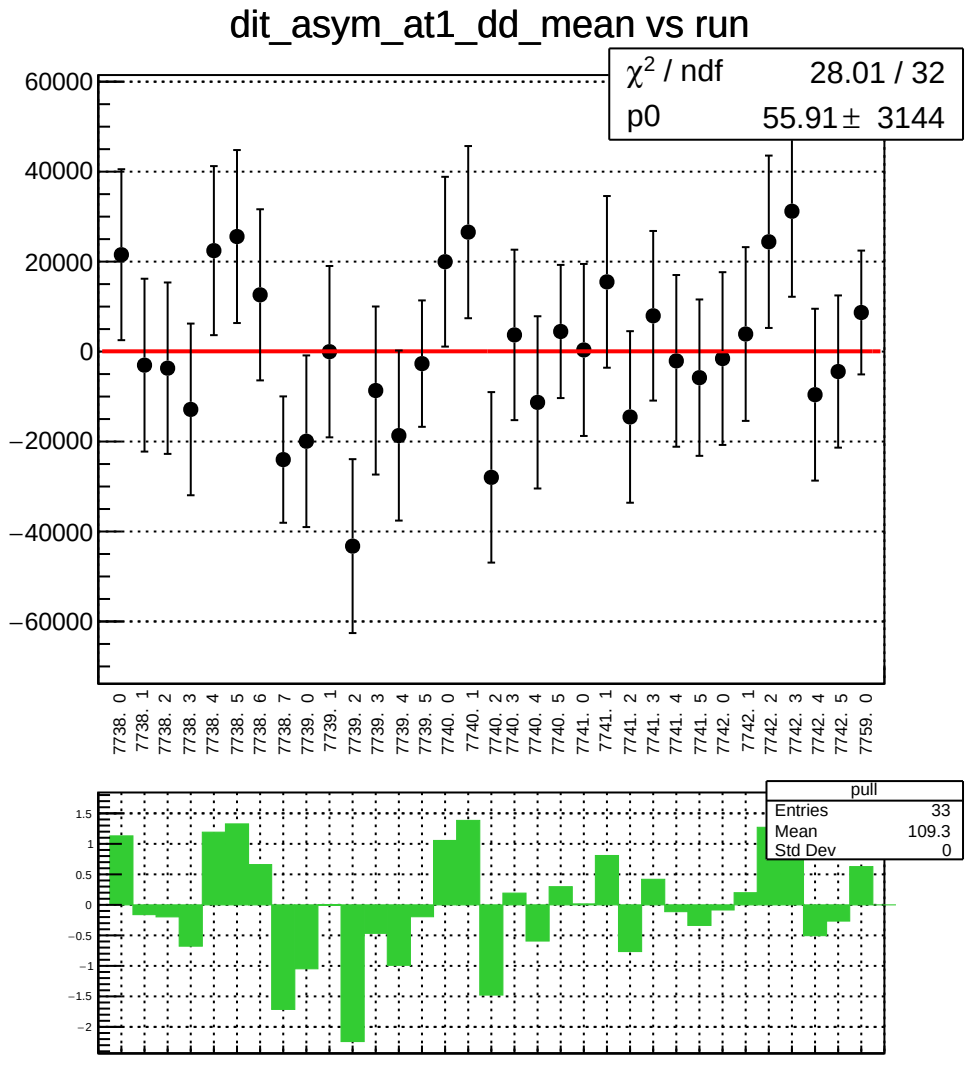

pull1D
Entries 33
Mean 0.01356
Std Dev 0.9186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

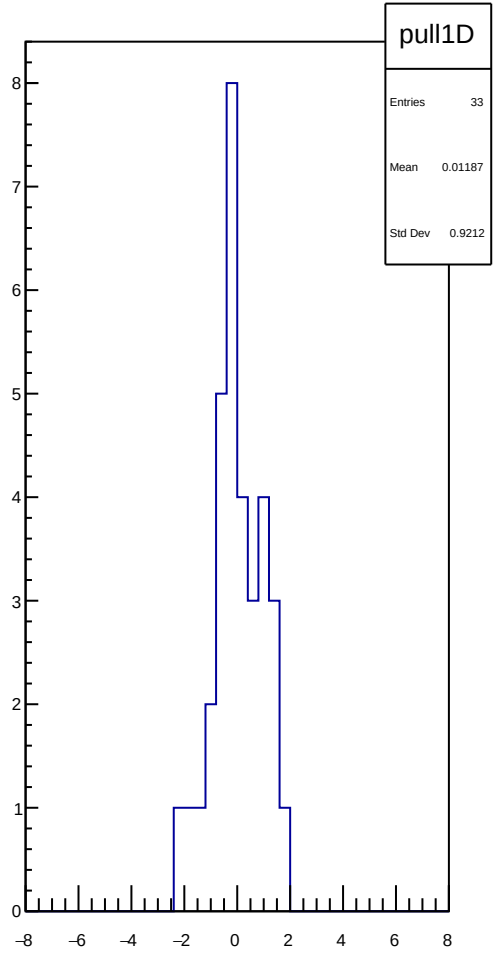

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 42.96 / 32
p0 1808 ± 2.221
1840
1820
1800
1780
1760
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

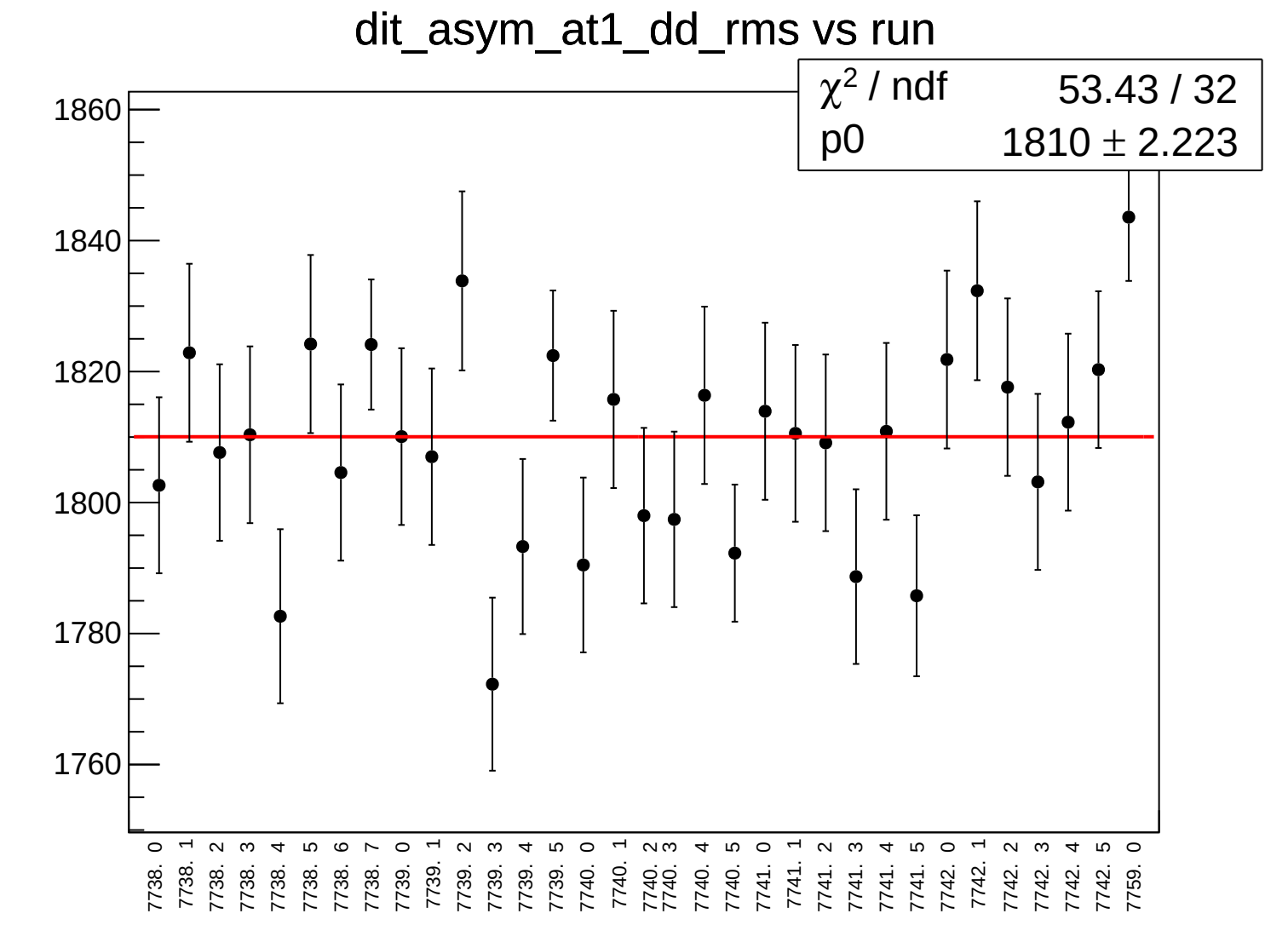

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 22.64 / 32
p0 349.9 ± 1333
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

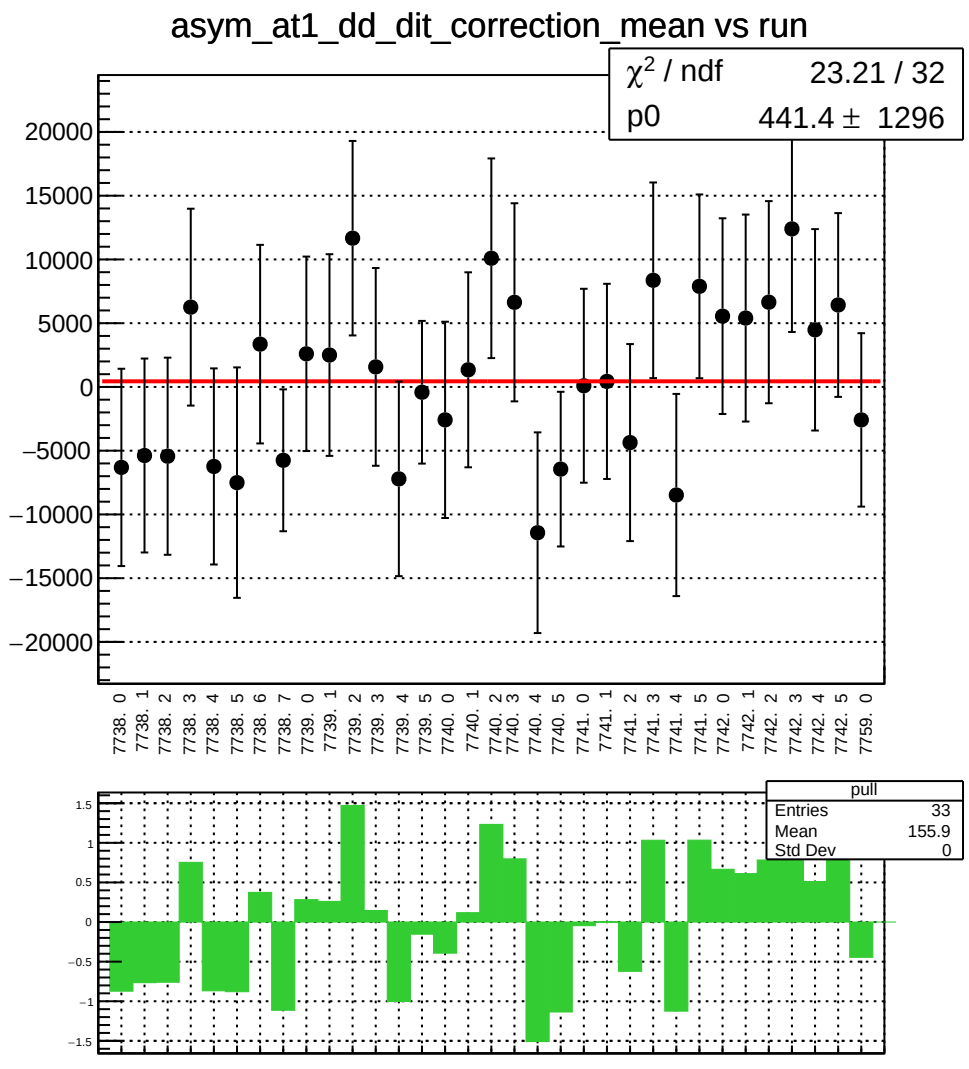

pull1D
Entries 33
Mean 0.02869
Std Dev 0.8278
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

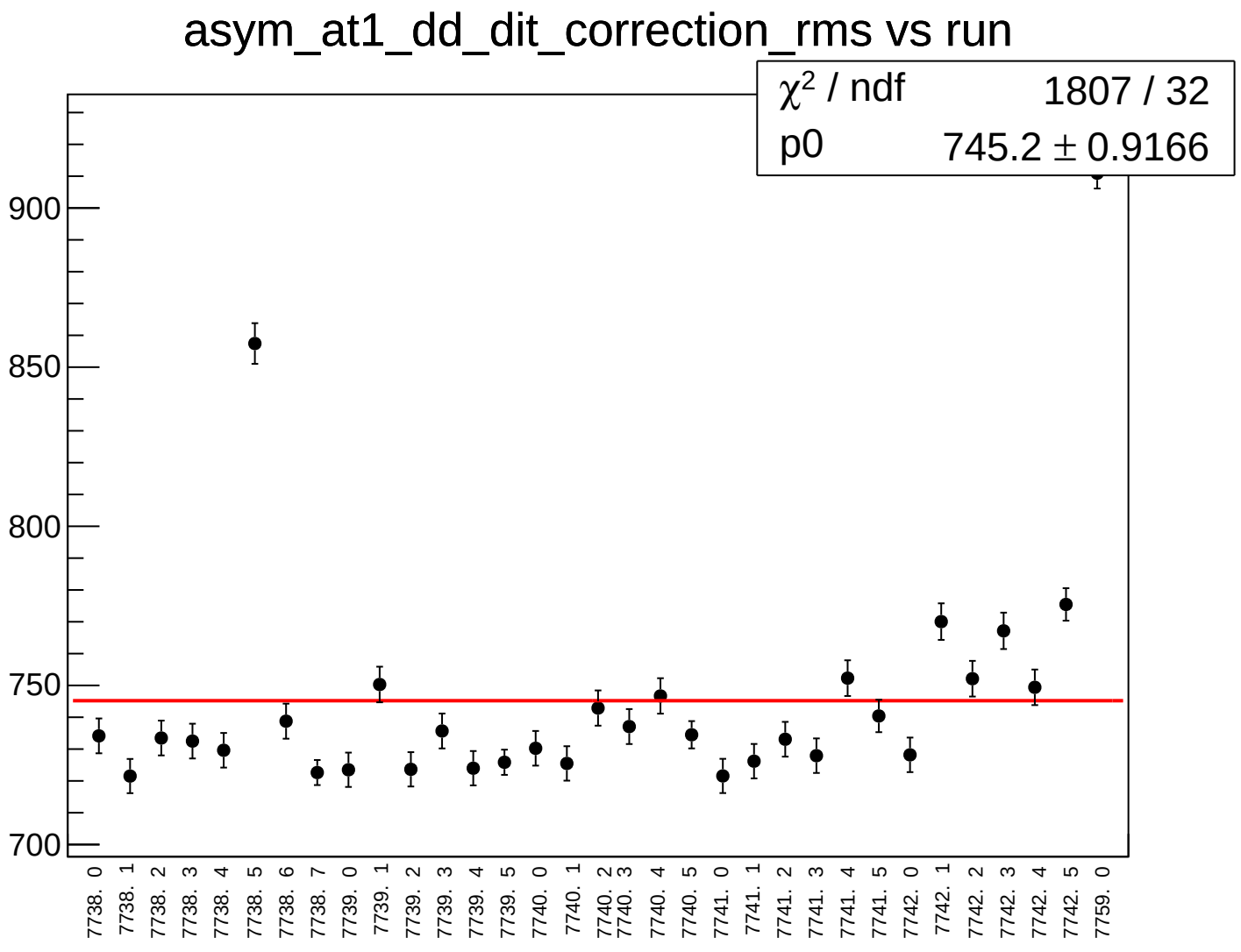

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 2281 / 32
p0 765.8 ± 0.9422
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

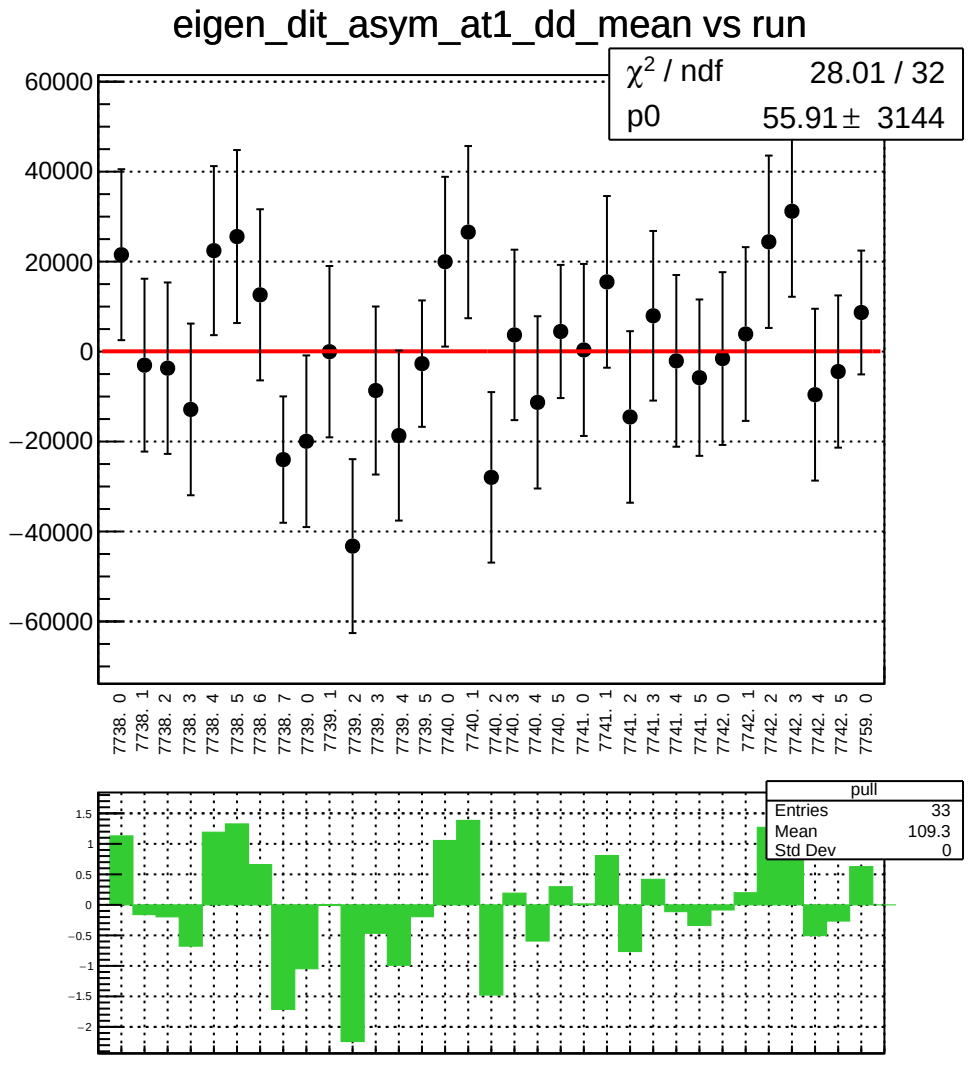

dit_asym_at1_dd_mean vs run
χ² / ndf 28.01 / 32
p0 55.91 ± 3144
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 109.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

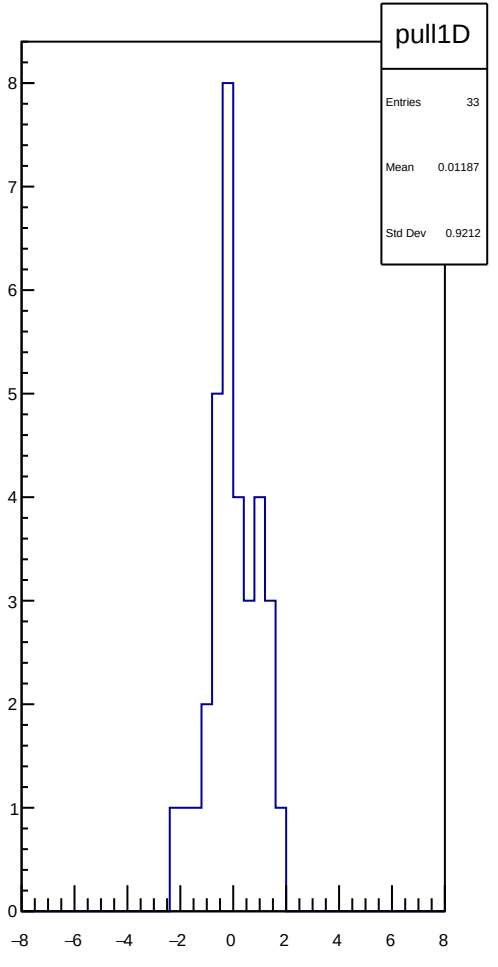

pull1D
Entries 33
Mean 0.01187
Std Dev 0.9212
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

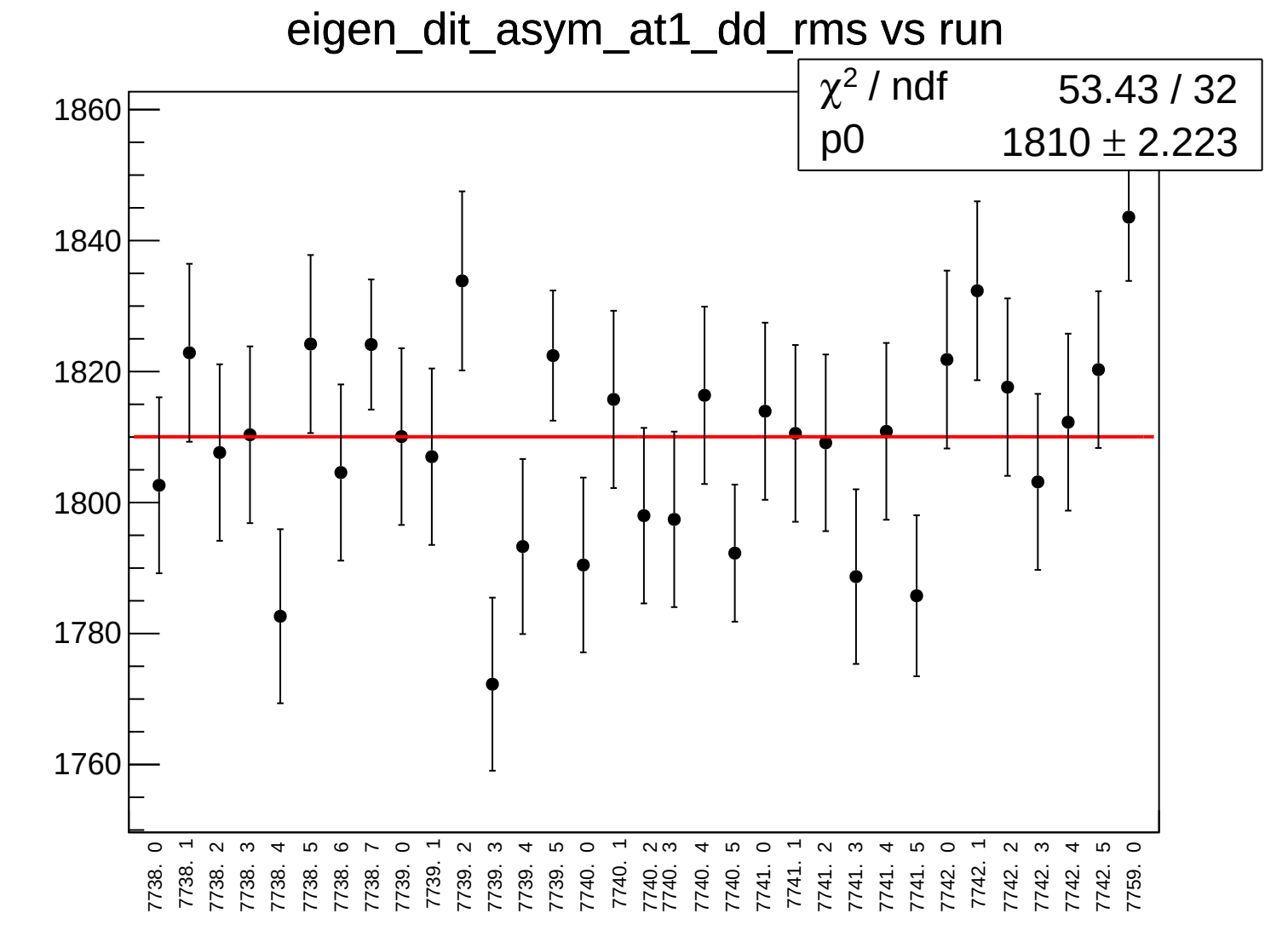

dit_asym_at1_dd_rms vs run
χ² / ndf 53.43 / 32
p0 1810 ± 2.223
1860
1840
1820
1800
1780
1760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

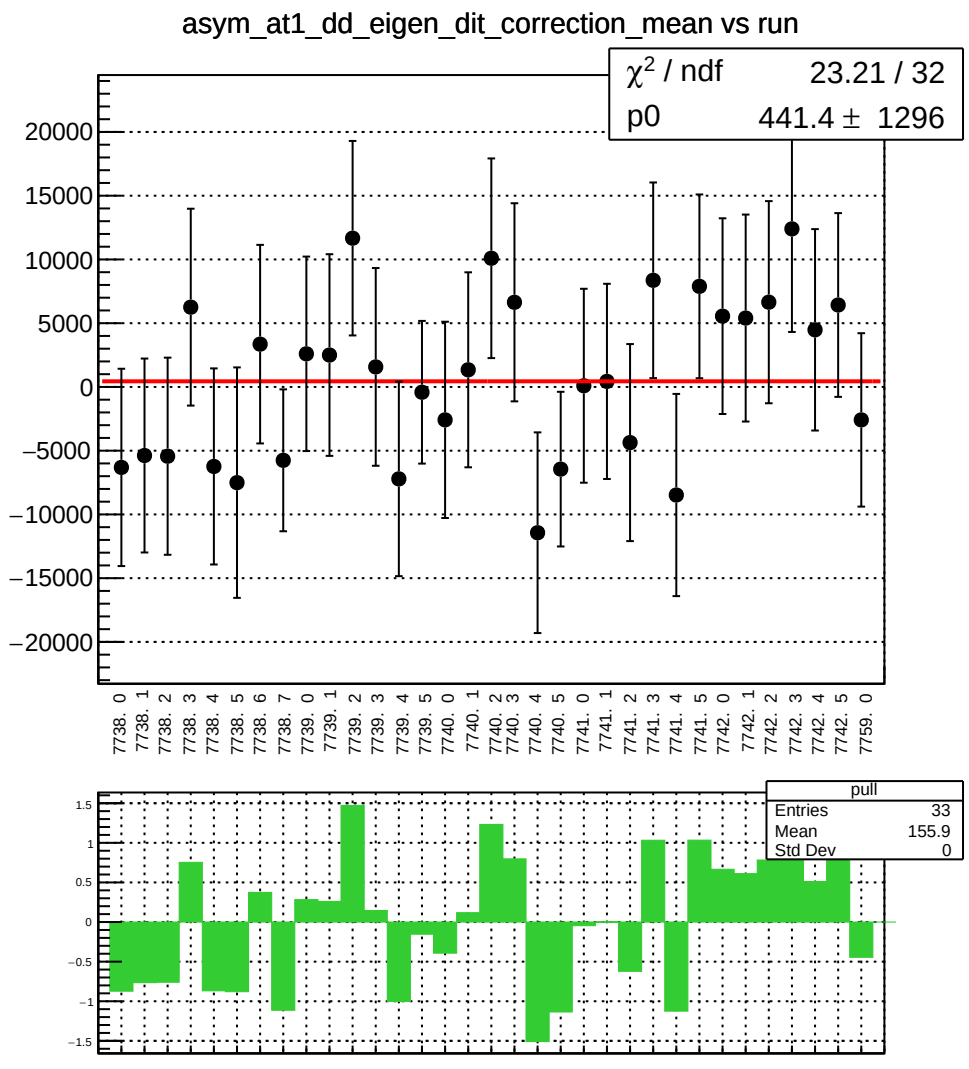

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 23.21 / 32
p0 441.4 ± 1296
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 155.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.02101
Std Dev 0.8383
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

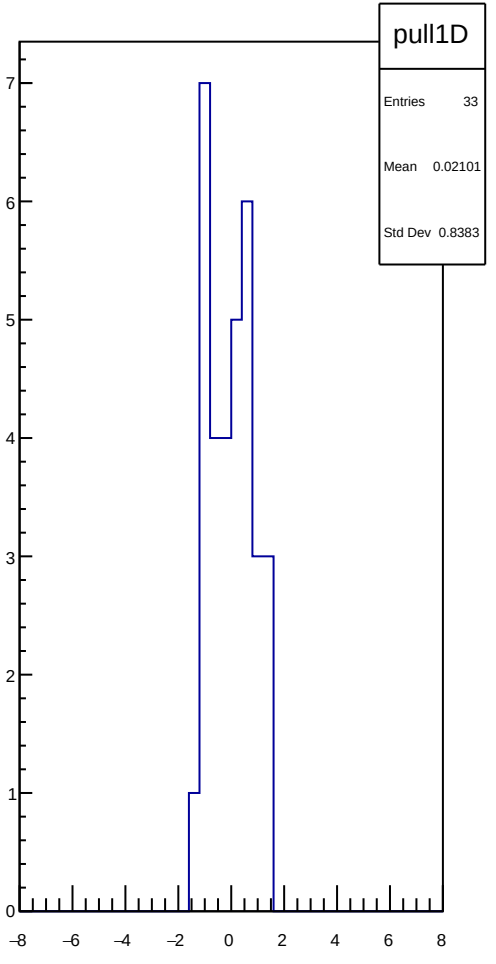

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 1807 / 32
p0 745.2 ± 0.9166
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

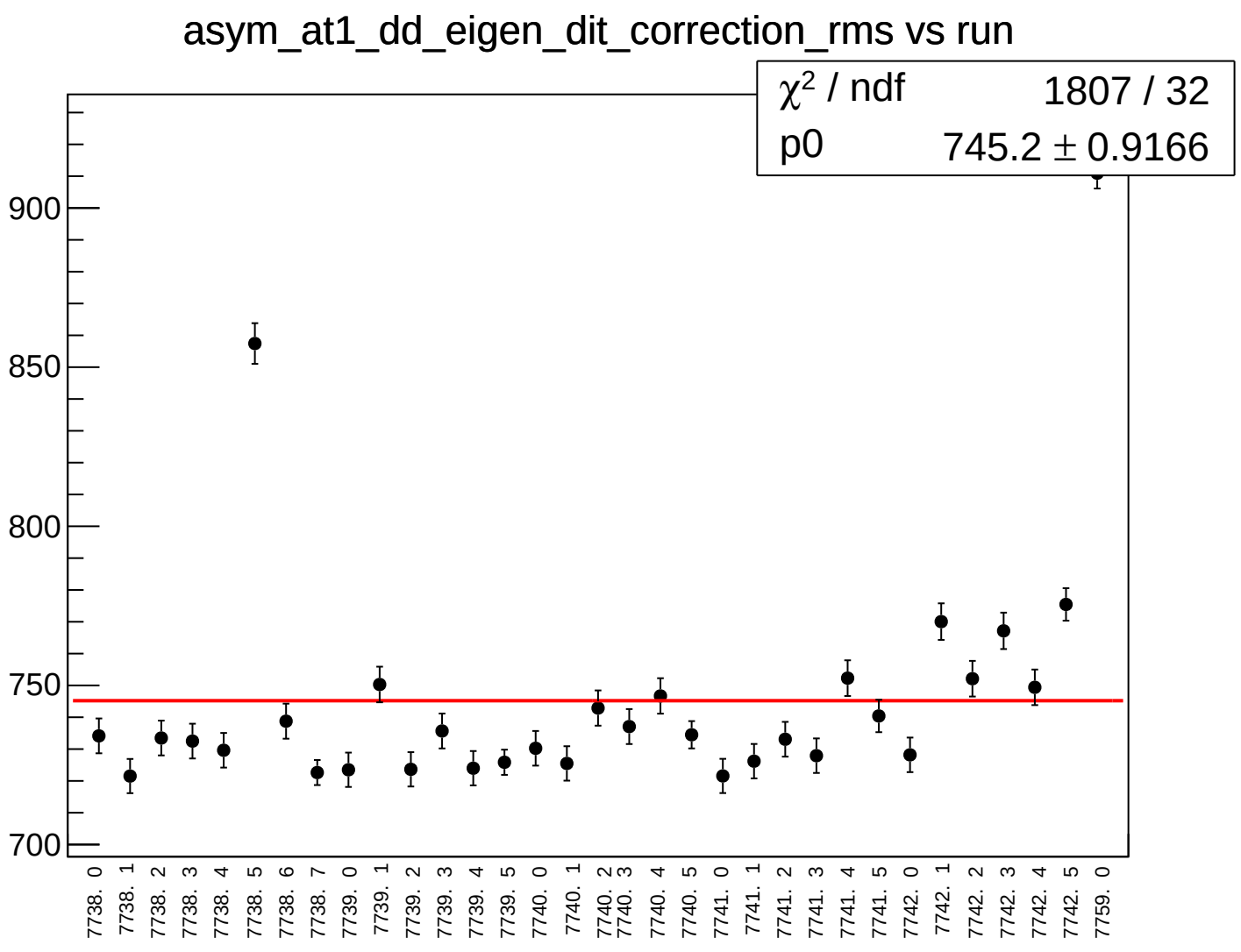

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 28.01 / 32
p0 55.91 ± 3144
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 109.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

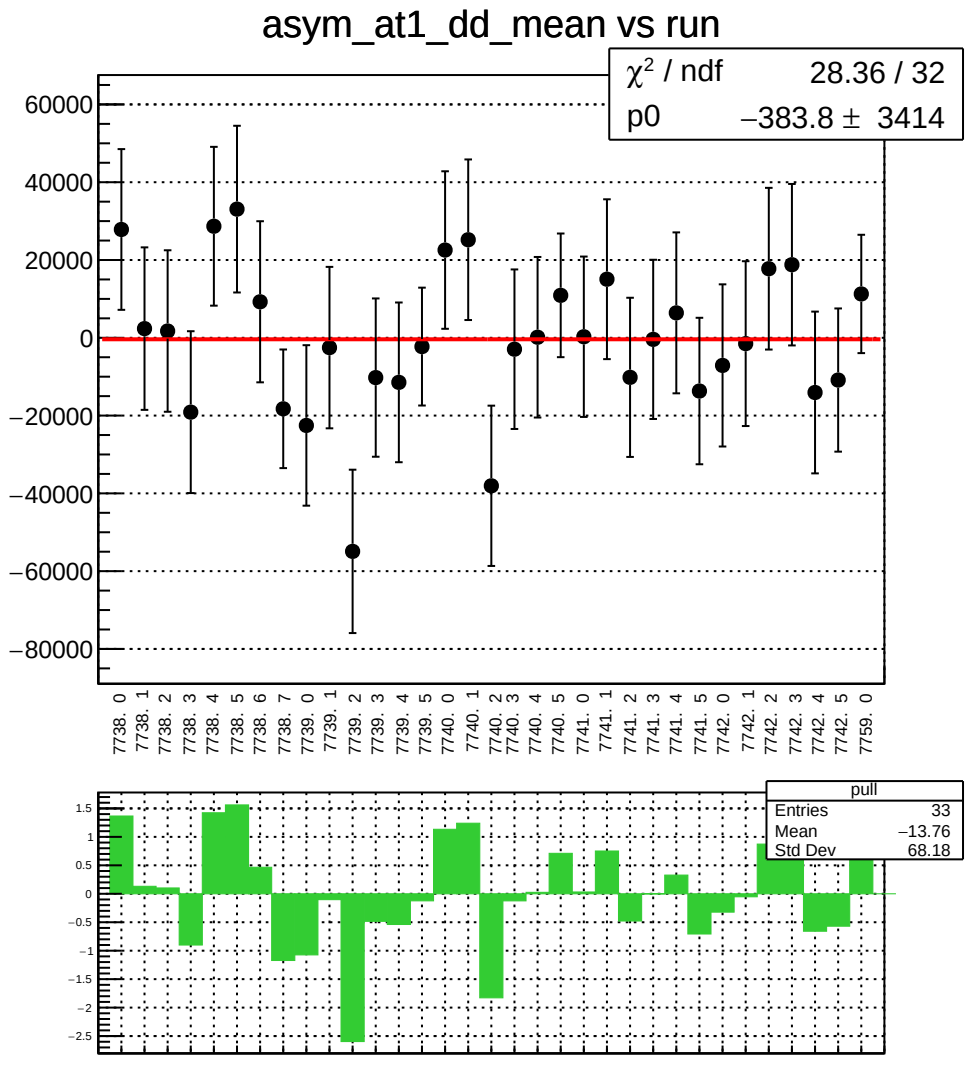

pull1D
Entries 33
Mean 0.01187
Std Dev 0.9212
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

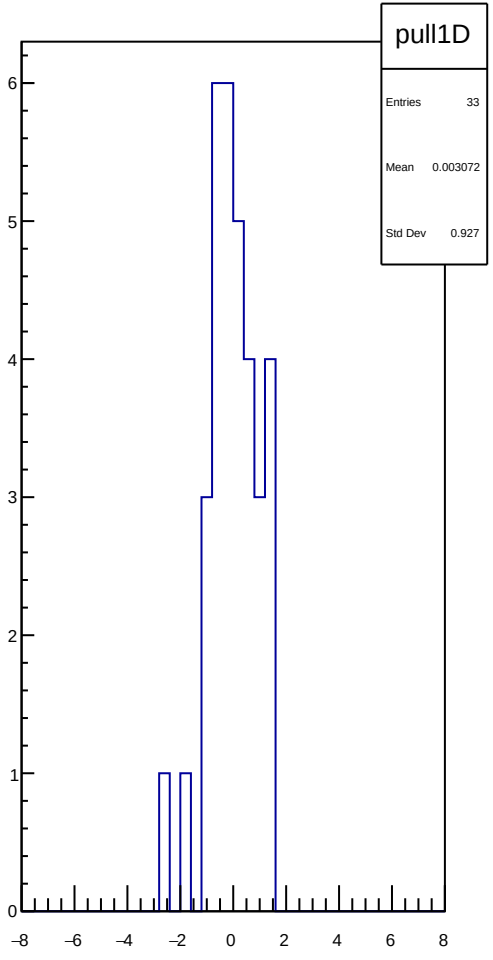

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 53.43 / 32
p0 1810 ± 2.223
1860
1840
1820
1800
1780
1760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

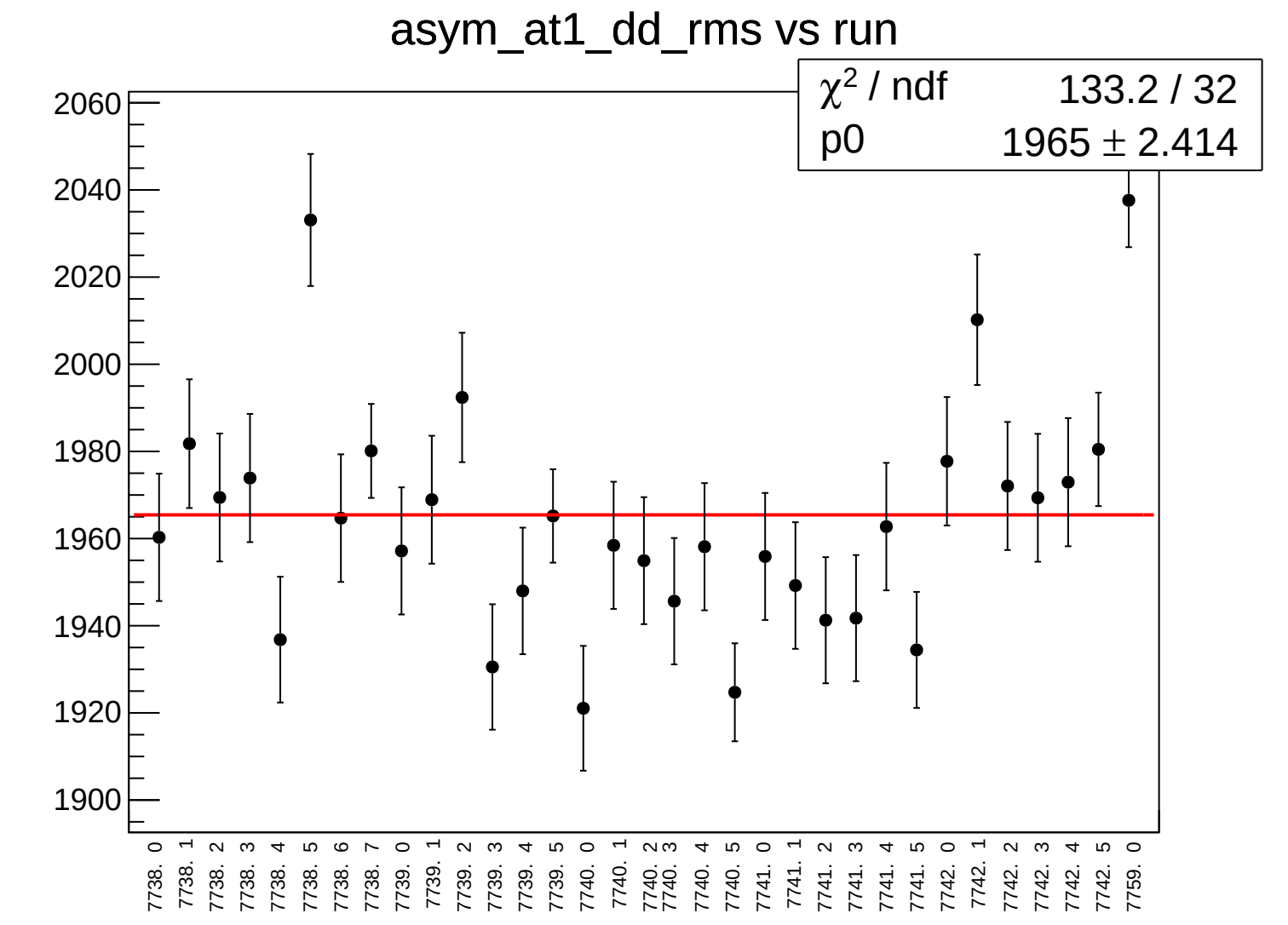

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 23.21 / 32
p0 441.4 ± 1296
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 155.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

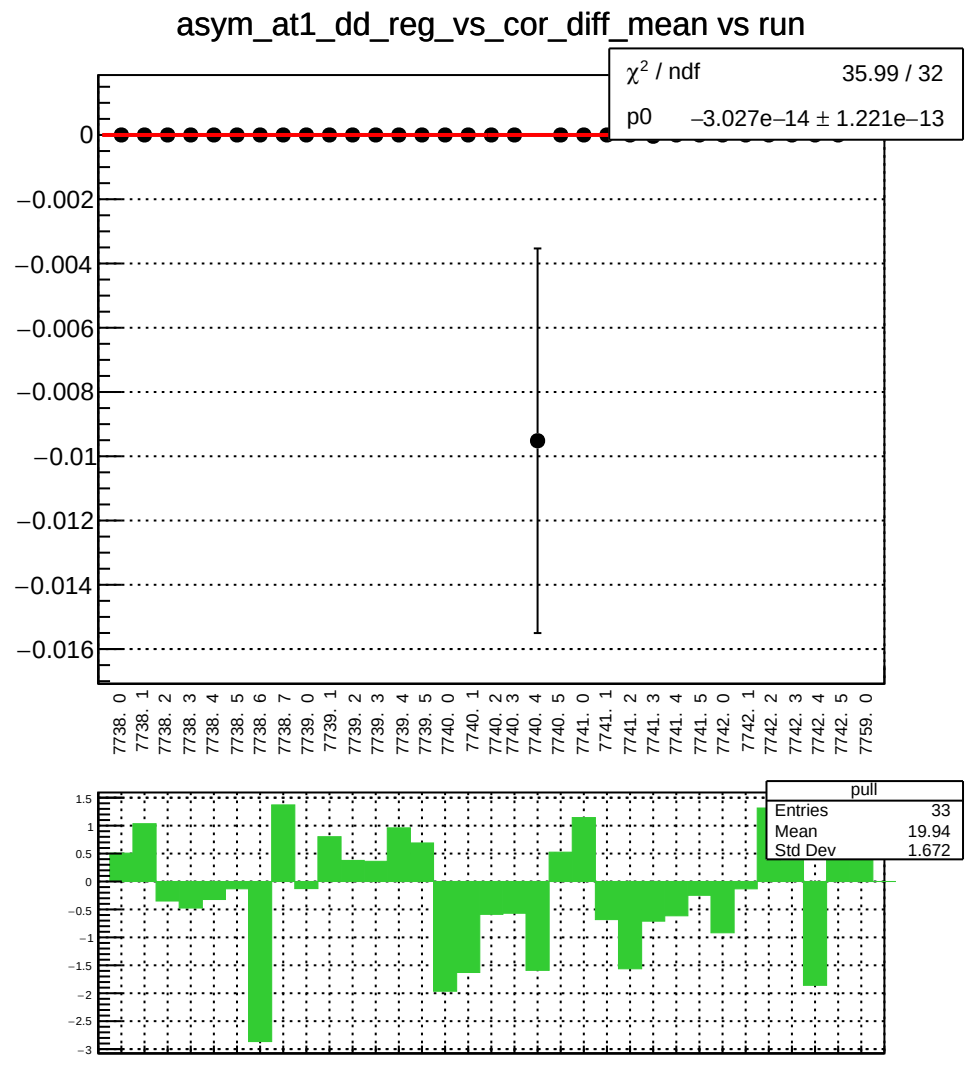

pull1D
Entries 33
Mean 0.02101
Std Dev 0.8383
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

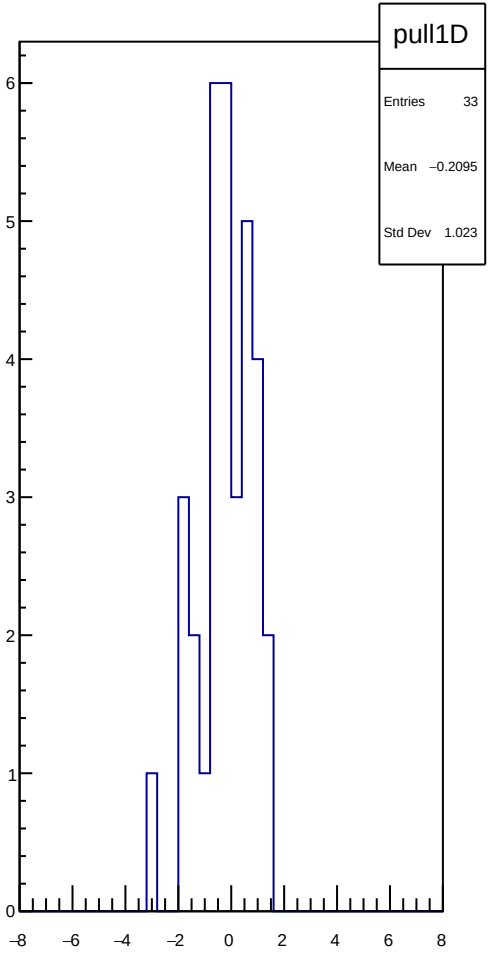

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1807 / 32
p0 745.2 ± 0.9166
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

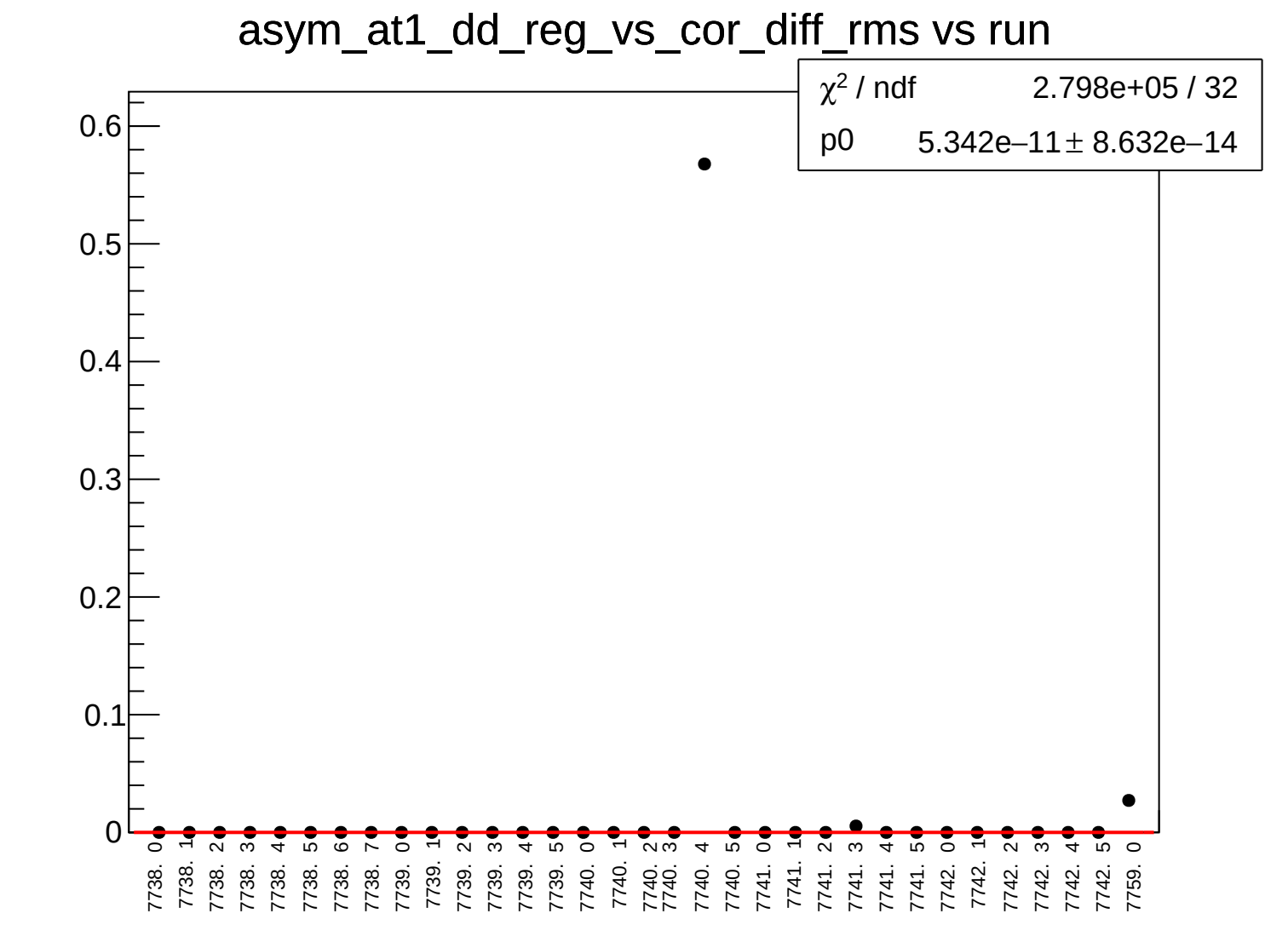

asym_at1_dd_mean vs run
χ² / ndf 28.36 / 32
p0 −383.8 ± 3414
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.76
Std Dev 68.18
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

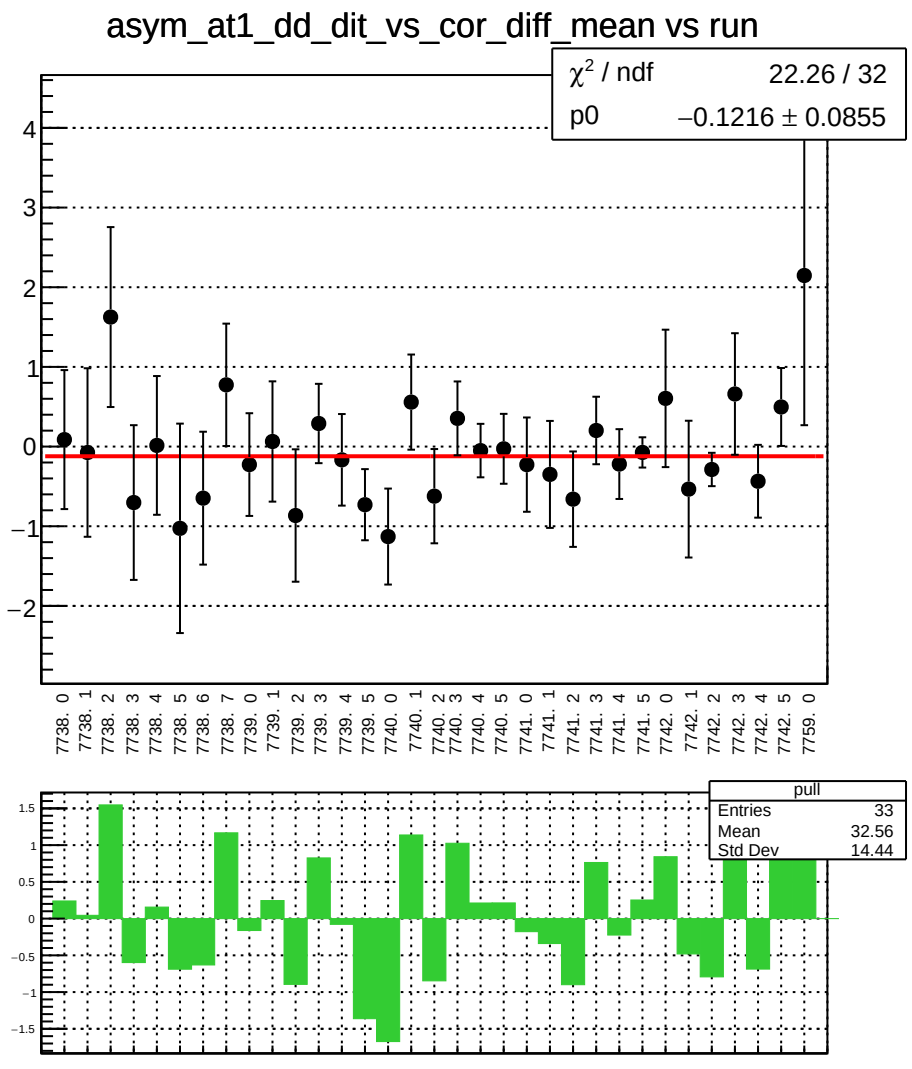

pull1D
Entries 33
Mean 0.003072
Std Dev 0.927
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

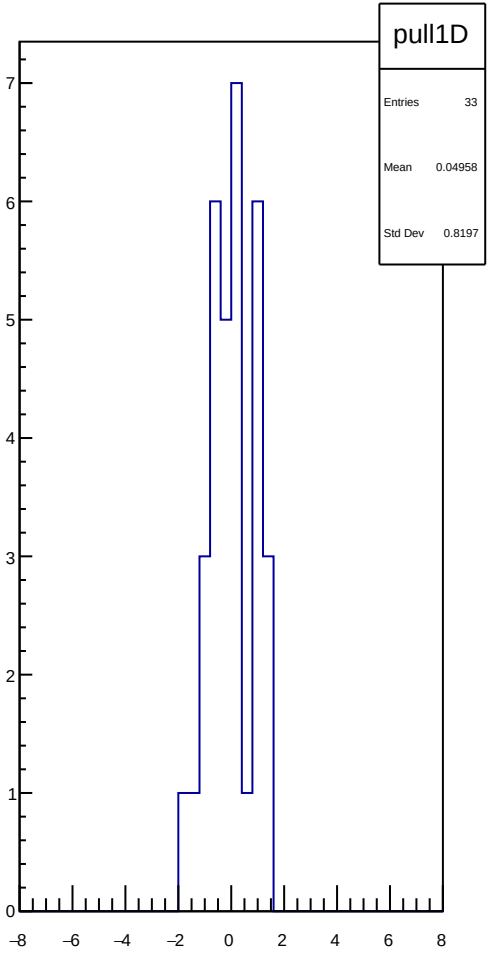

asym_at1_dd_rms vs run
χ² / ndf 133.2 / 32
p0 1965 ± 2.414
2060
2040
2020
2000
1980
1960
1940
1920
1900
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

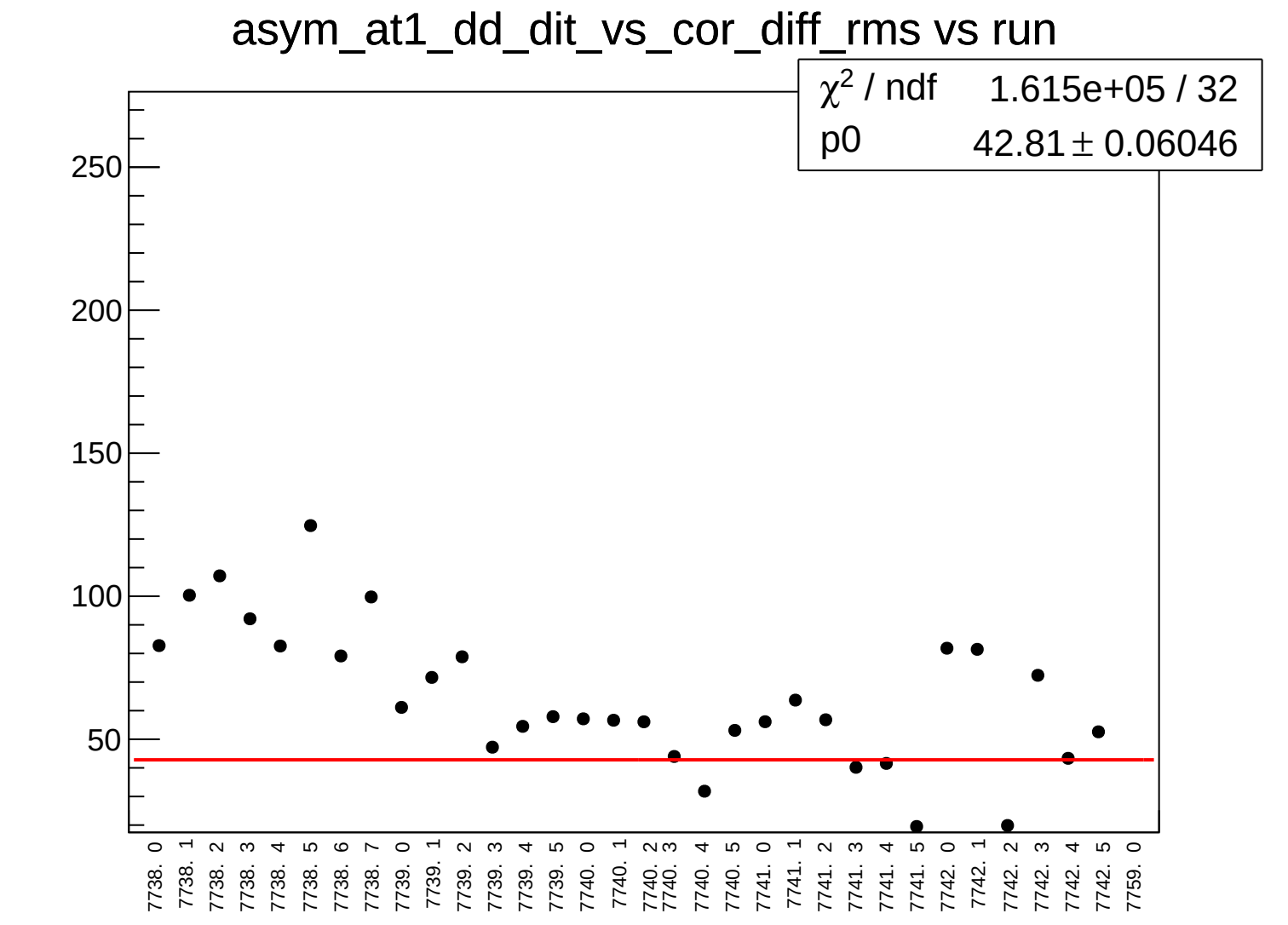

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.99 / 32
p0 −3.027e−14 ± 1.221e−13
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
−0.014
−0.016
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.94
Std Dev 1.672
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

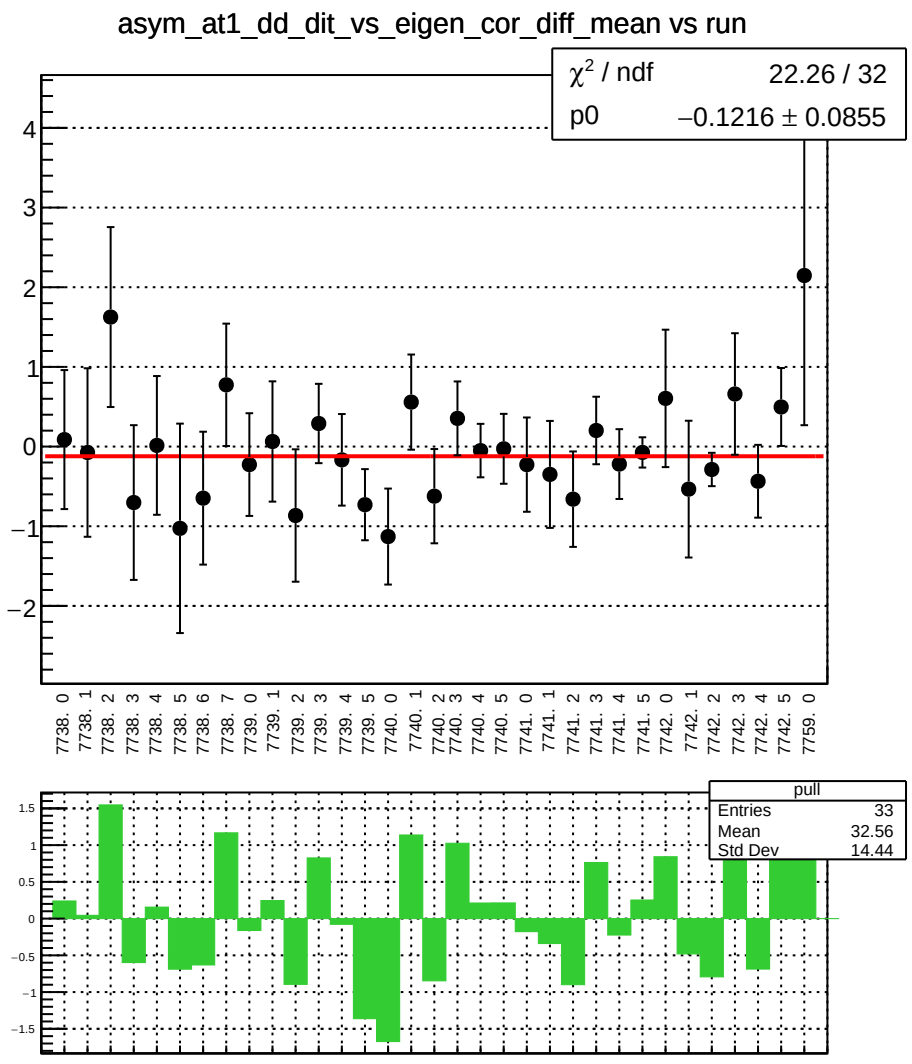

pull1D
Entries 33
Mean −0.2095
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

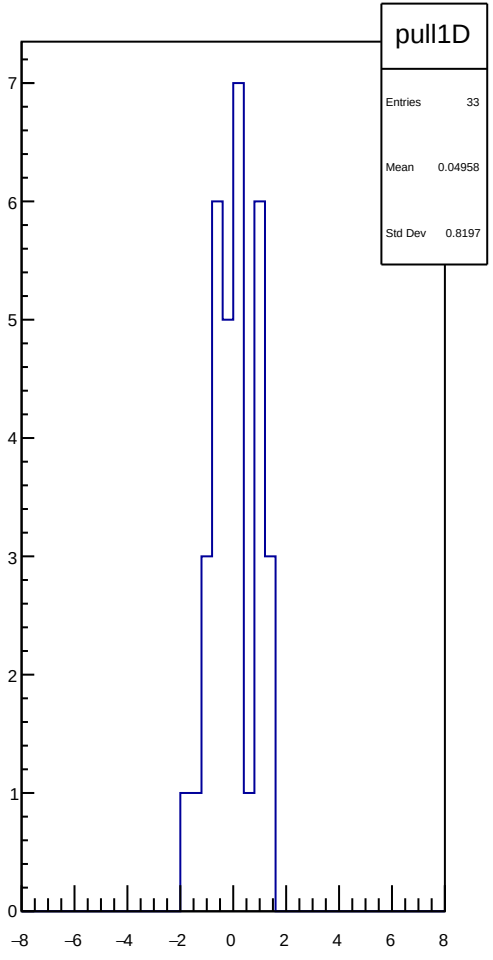

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.798e+05 / 32
p0 5.342e−11 ± 8.632e−14
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

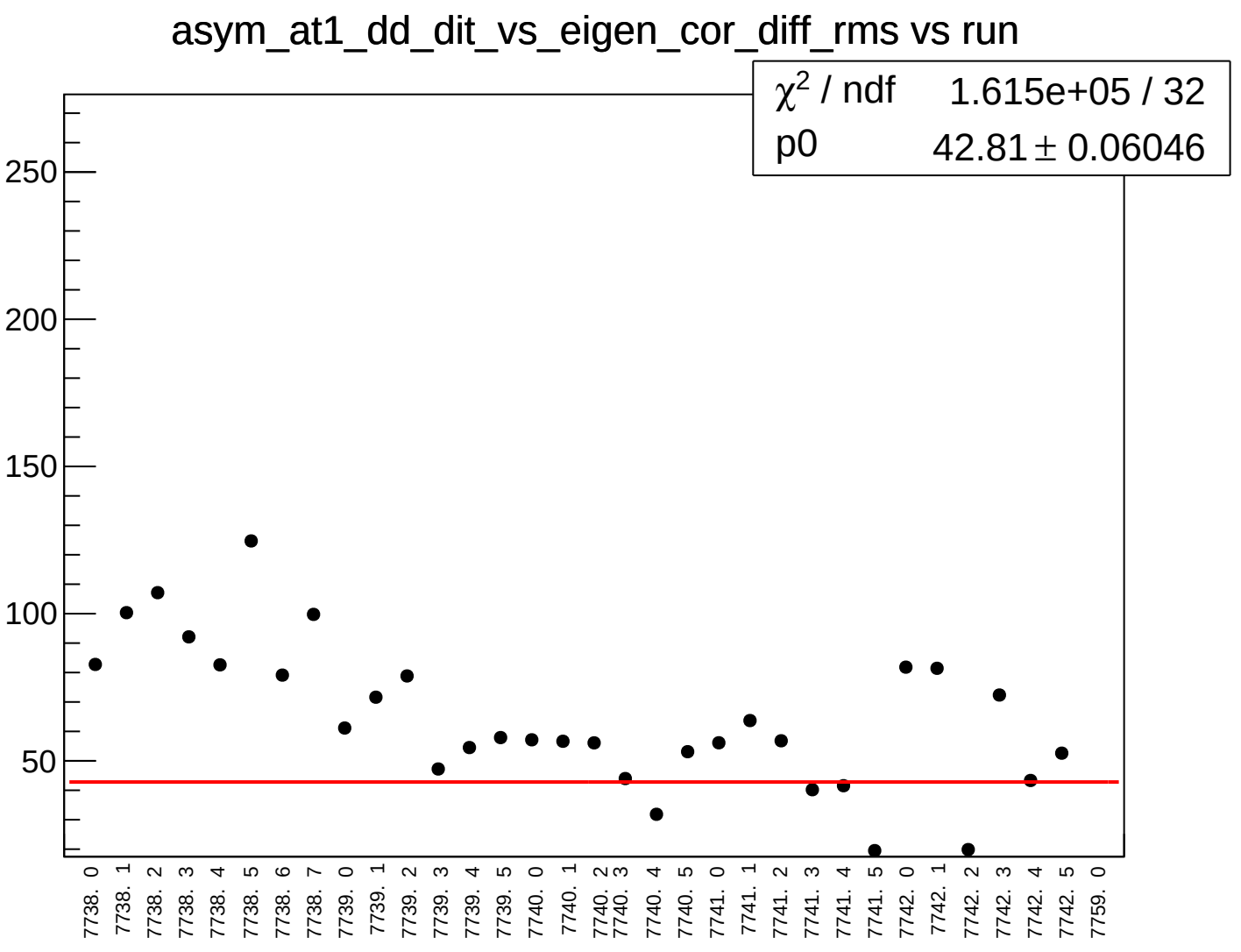

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 22.26 / 32
p0 −0.1216 ± 0.0855
pull
Entries 33
Mean 32.56
Std Dev 14.44

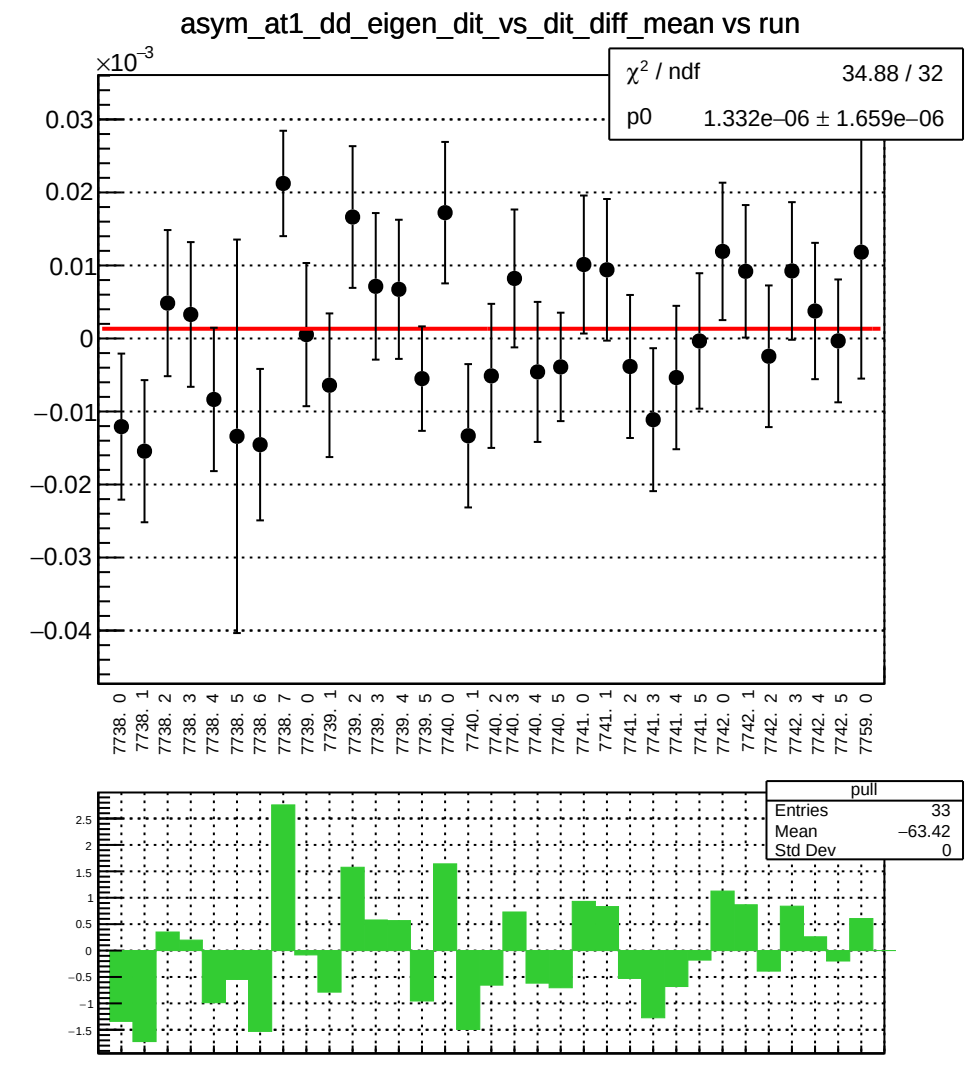

pull1D
Entries 33
Mean 0.04958
Std Dev 0.8197

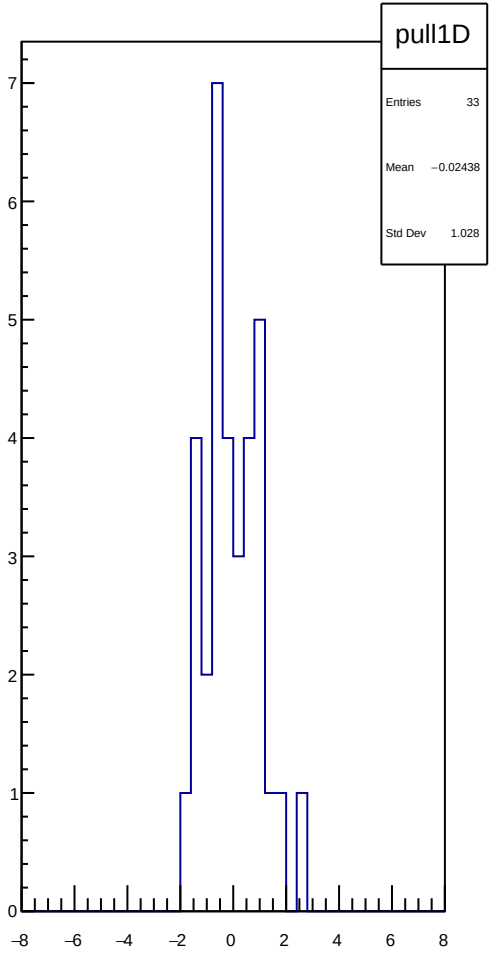

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.615e+05 / 32
p0 42.81 ± 0.06046
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

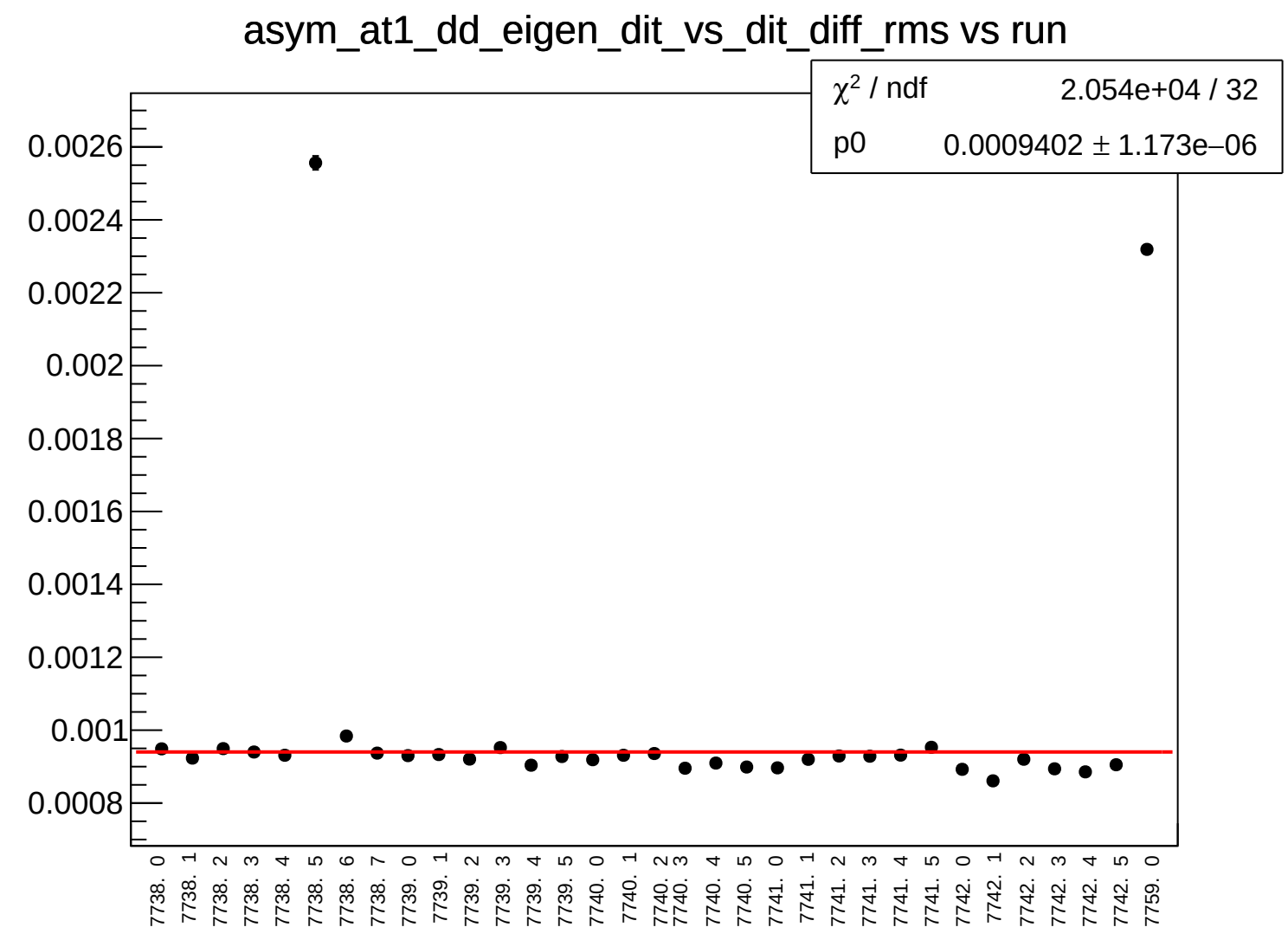

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.26 / 32
p0 −0.1216 ± 0.0855
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.56
Std Dev 14.44
1.5
1
0.5
0
−0.5
−1
−1.5

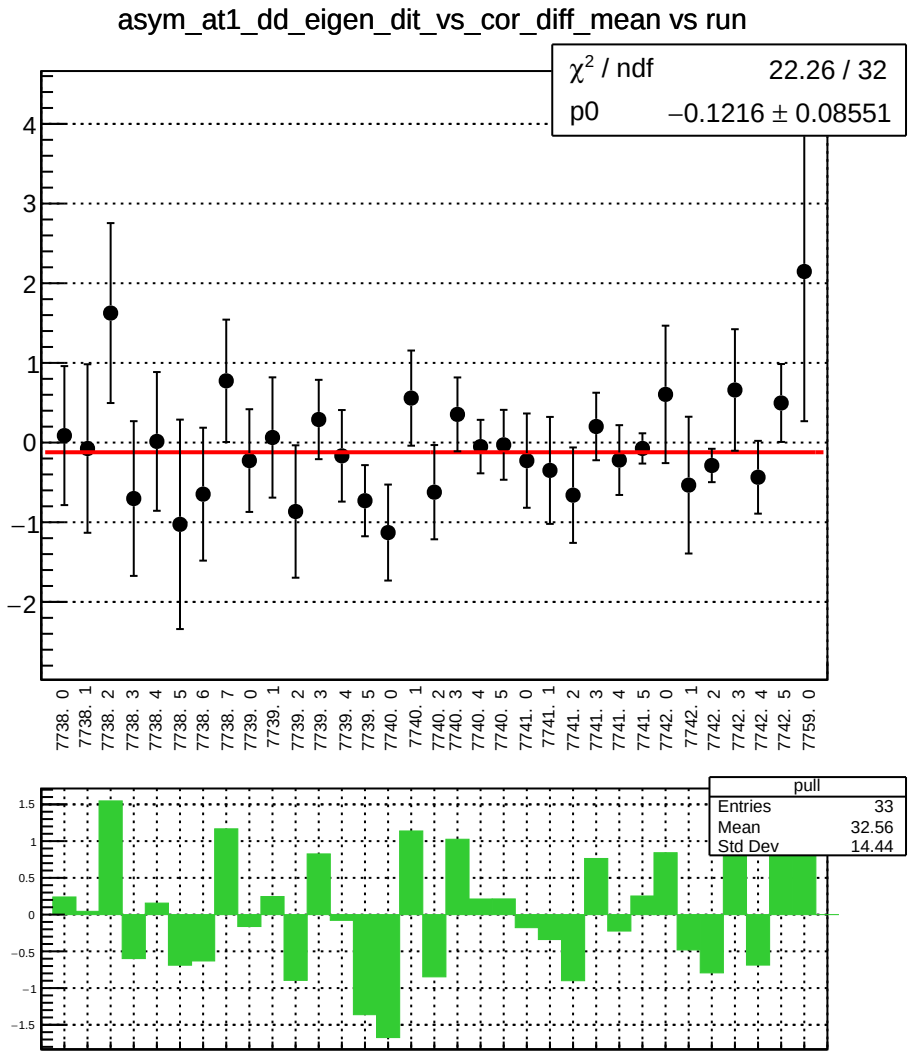

pull1D
Entries 33
Mean 0.04958
Std Dev 0.8197
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

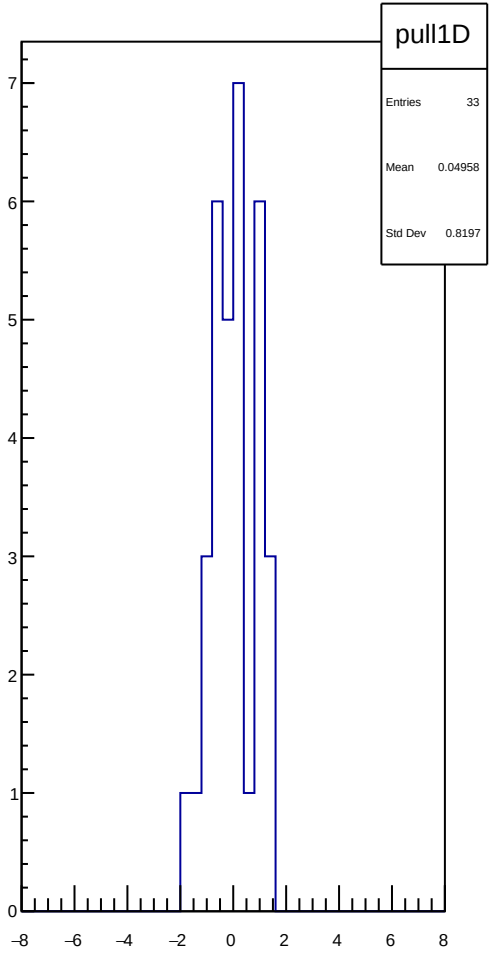

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.615e+05 / 32
p0 42.81 ± 0.06046
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

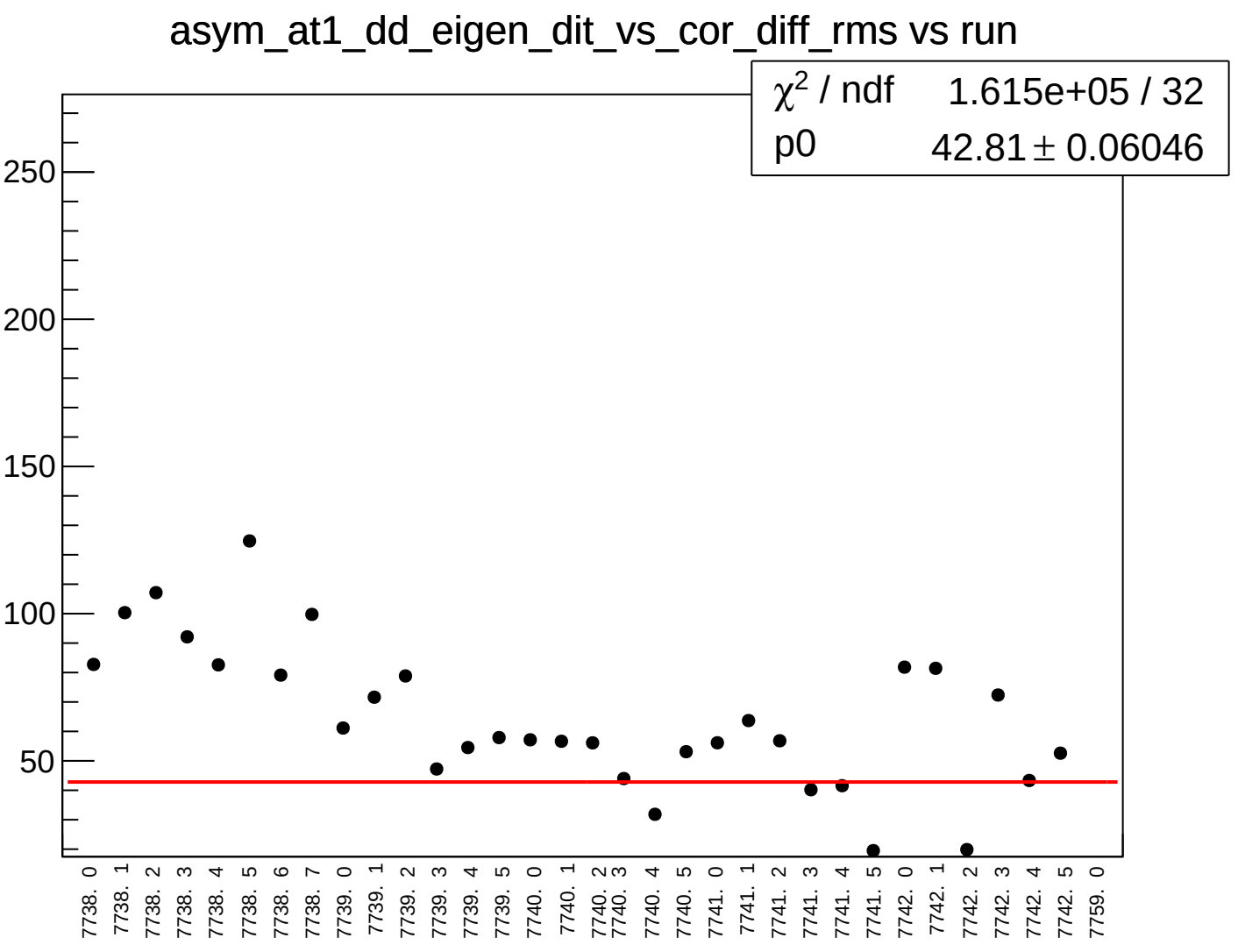

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.88 / 32
p0 1.332e−06 ± 1.659e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −63.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

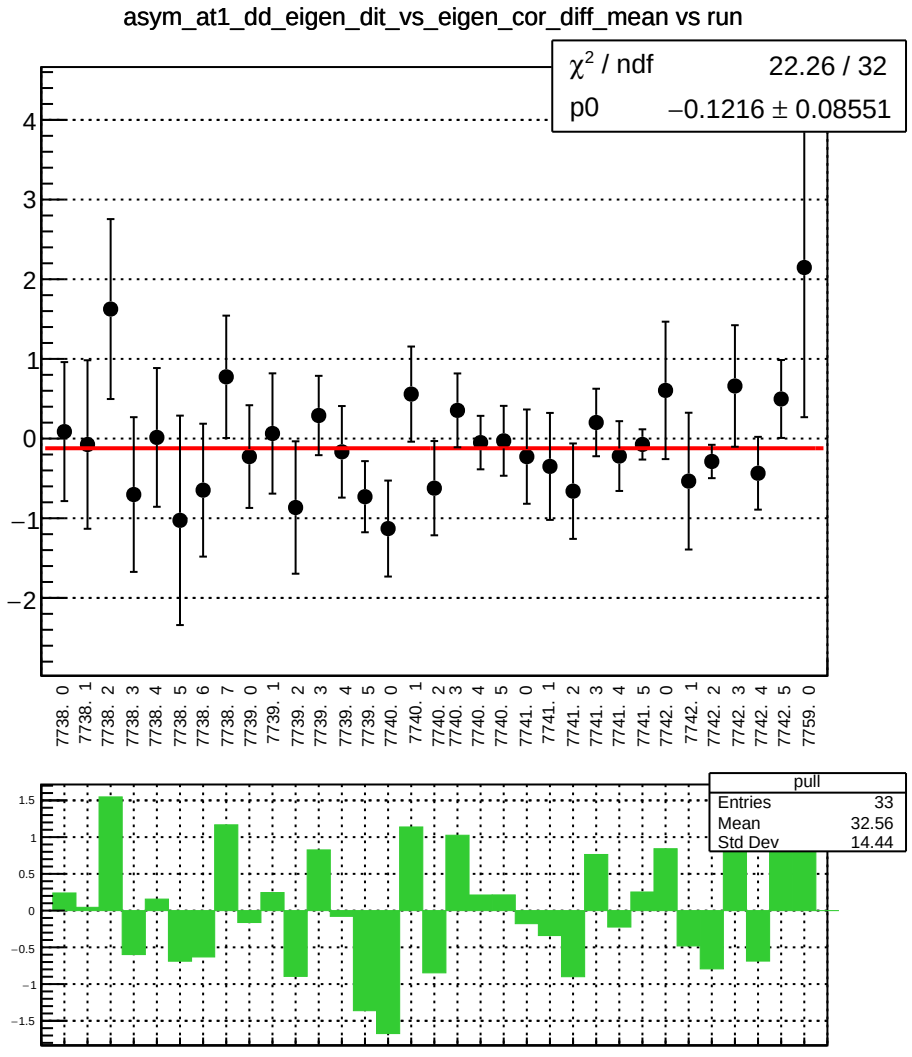

pull1D
Entries 33
Mean −0.02438
Std Dev 1.028
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

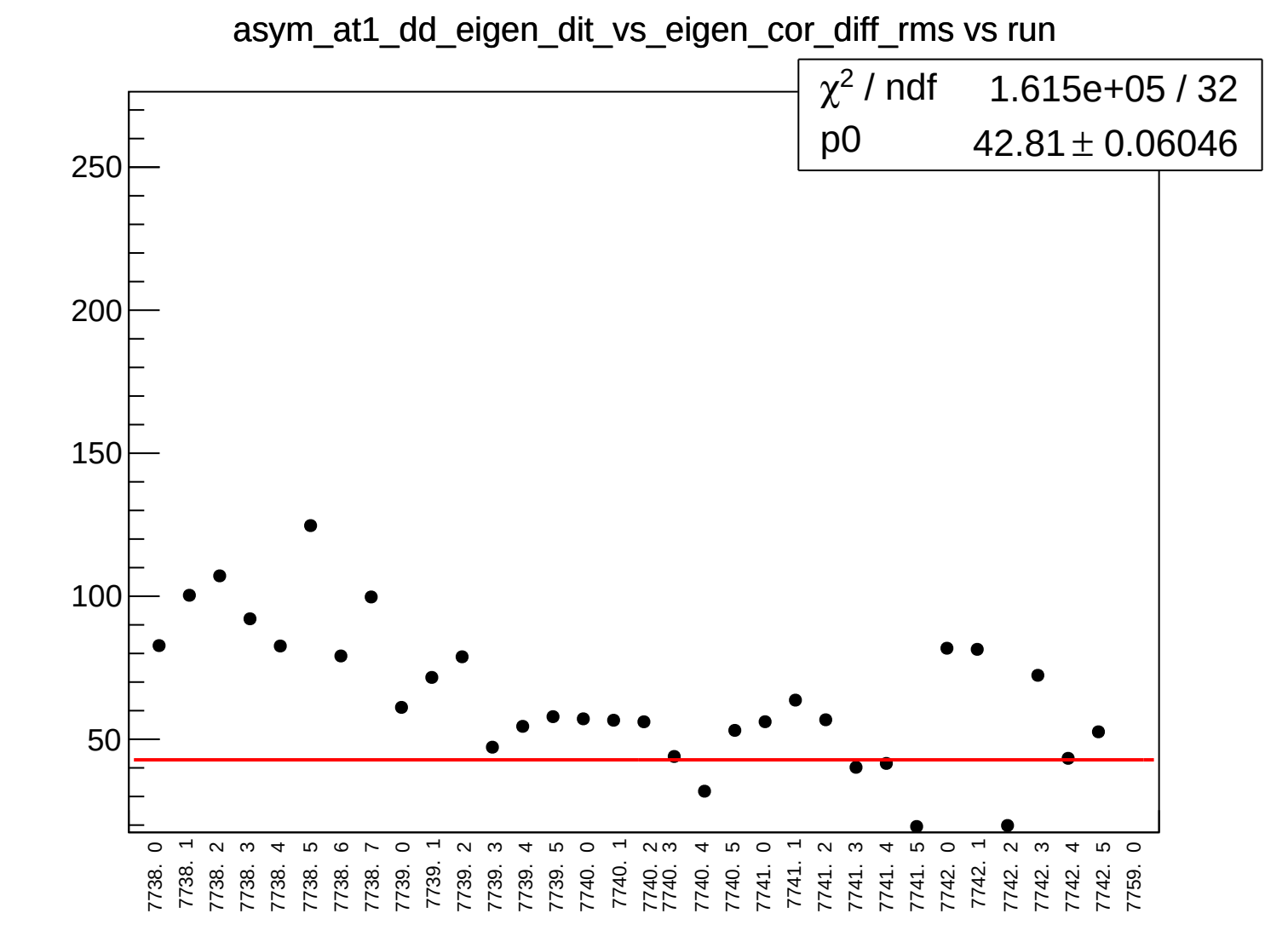

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.054e+04 / 32
p0 0.0009402 ± 1.173e−06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

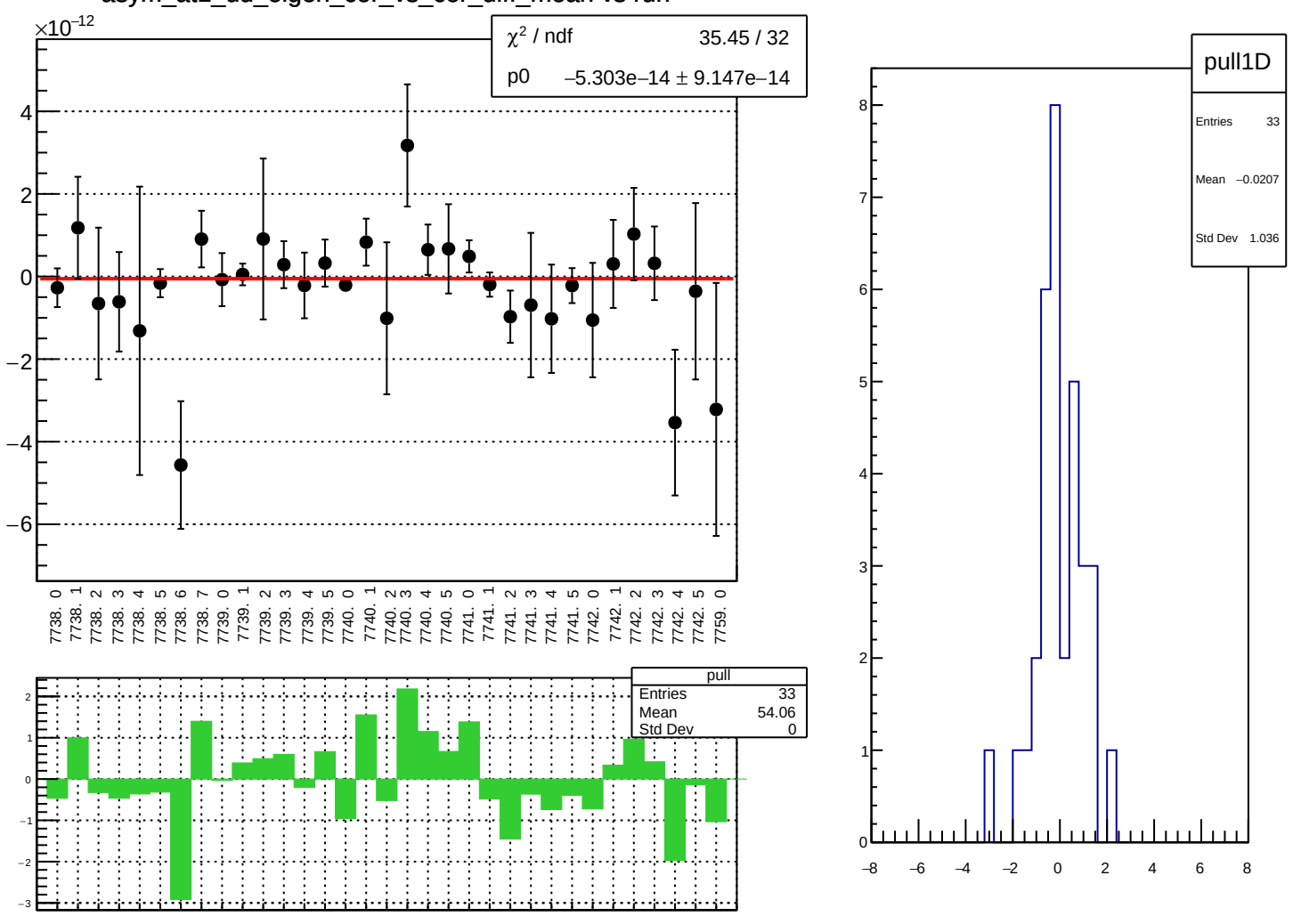

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 22.26 / 32
p0 −0.1216 ± 0.08551
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.56
Std Dev 14.44
1.5
1
0.5
0
−0.5
−1
−1.5

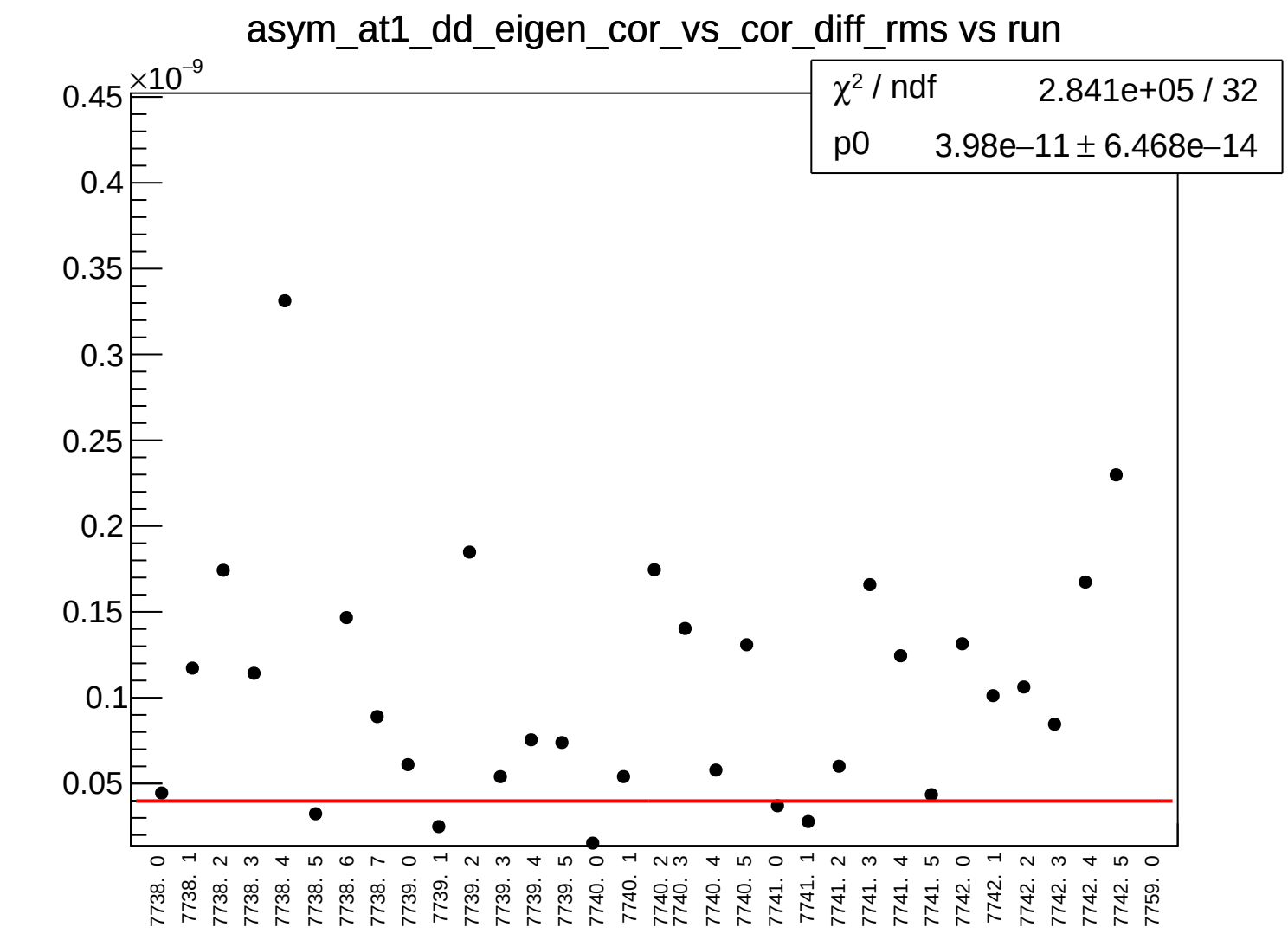

pull1D
Entries 33
Mean 0.04958
Std Dev 0.8197
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

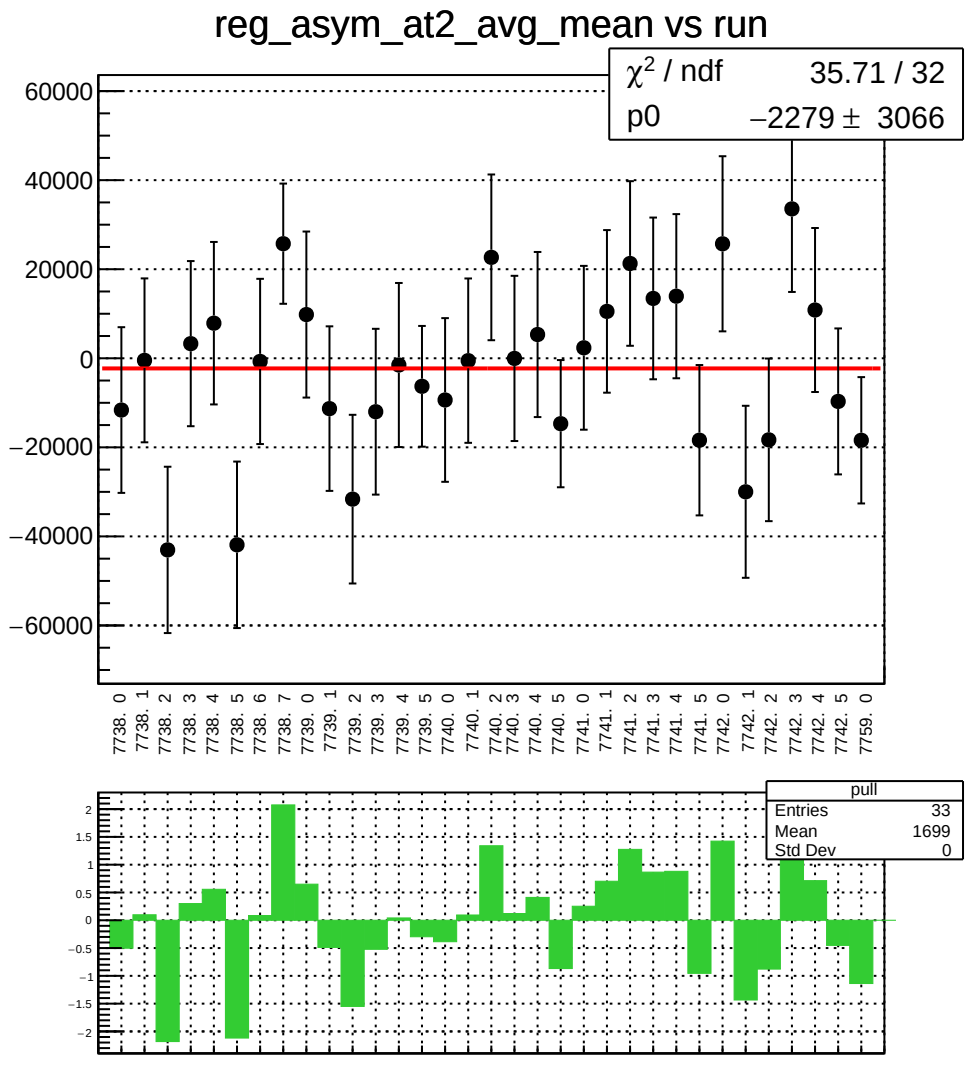

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.615e+05 / 32
p0 42.81 ± 0.06046
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

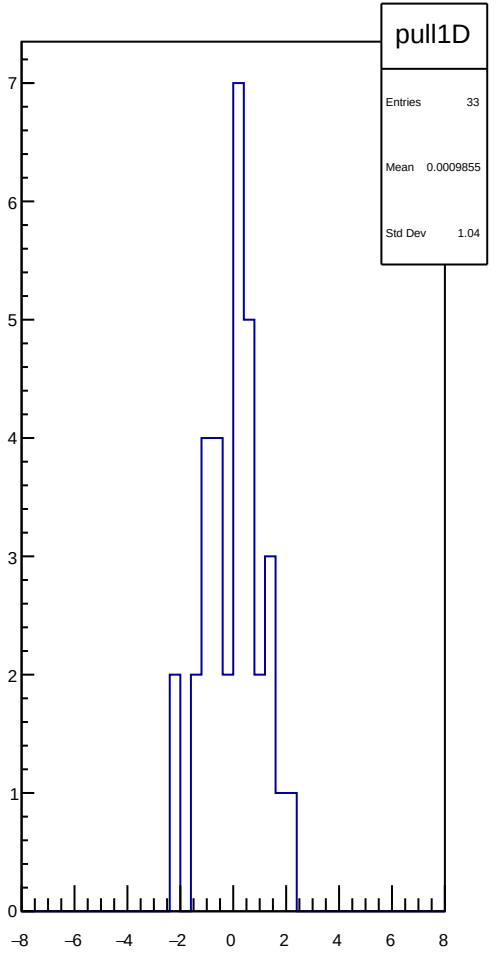

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.26 / 32
p0 −0.1216 ± 0.08551
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.56
Std Dev 14.44
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.04958
Std Dev 0.8197
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

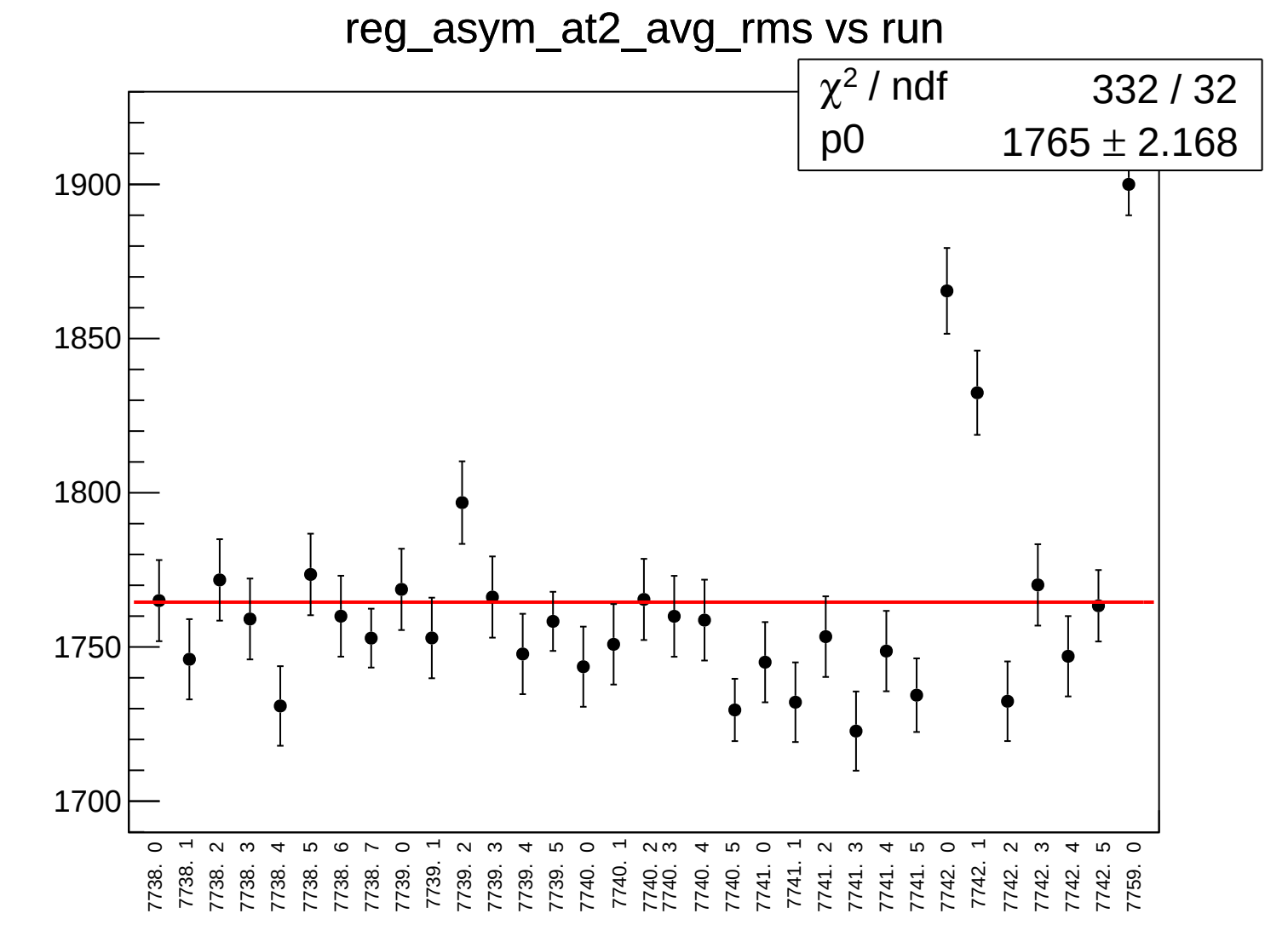

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.615e+05 / 32
p0 42.81 ± 0.06046
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

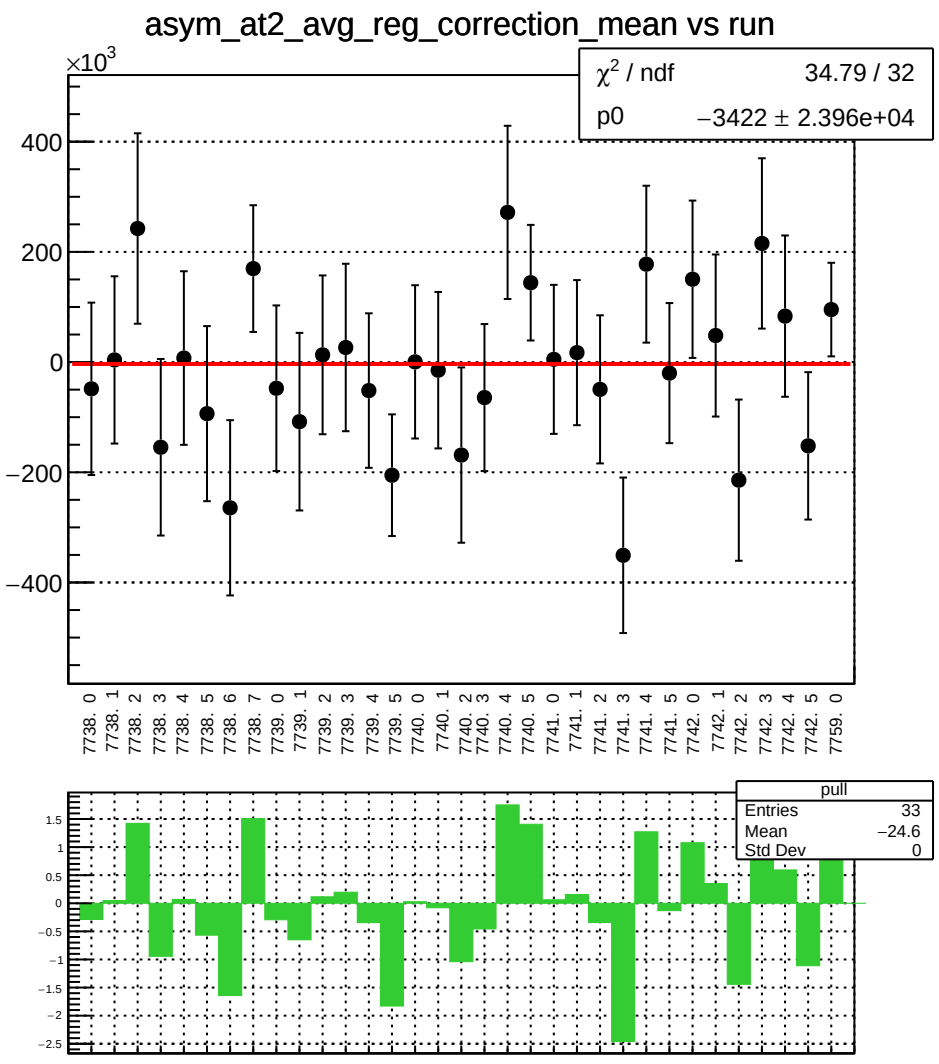

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.45 / 32
p0 −5.303e−14 ± 9.147e−14
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 54.06
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.0207
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

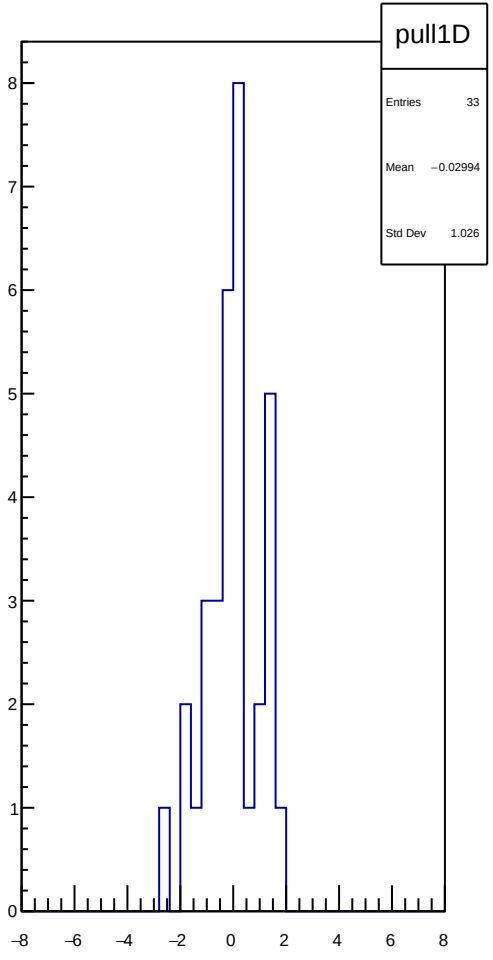

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.841e+05 / 32
p0 3.98e−11 ± 6.468e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

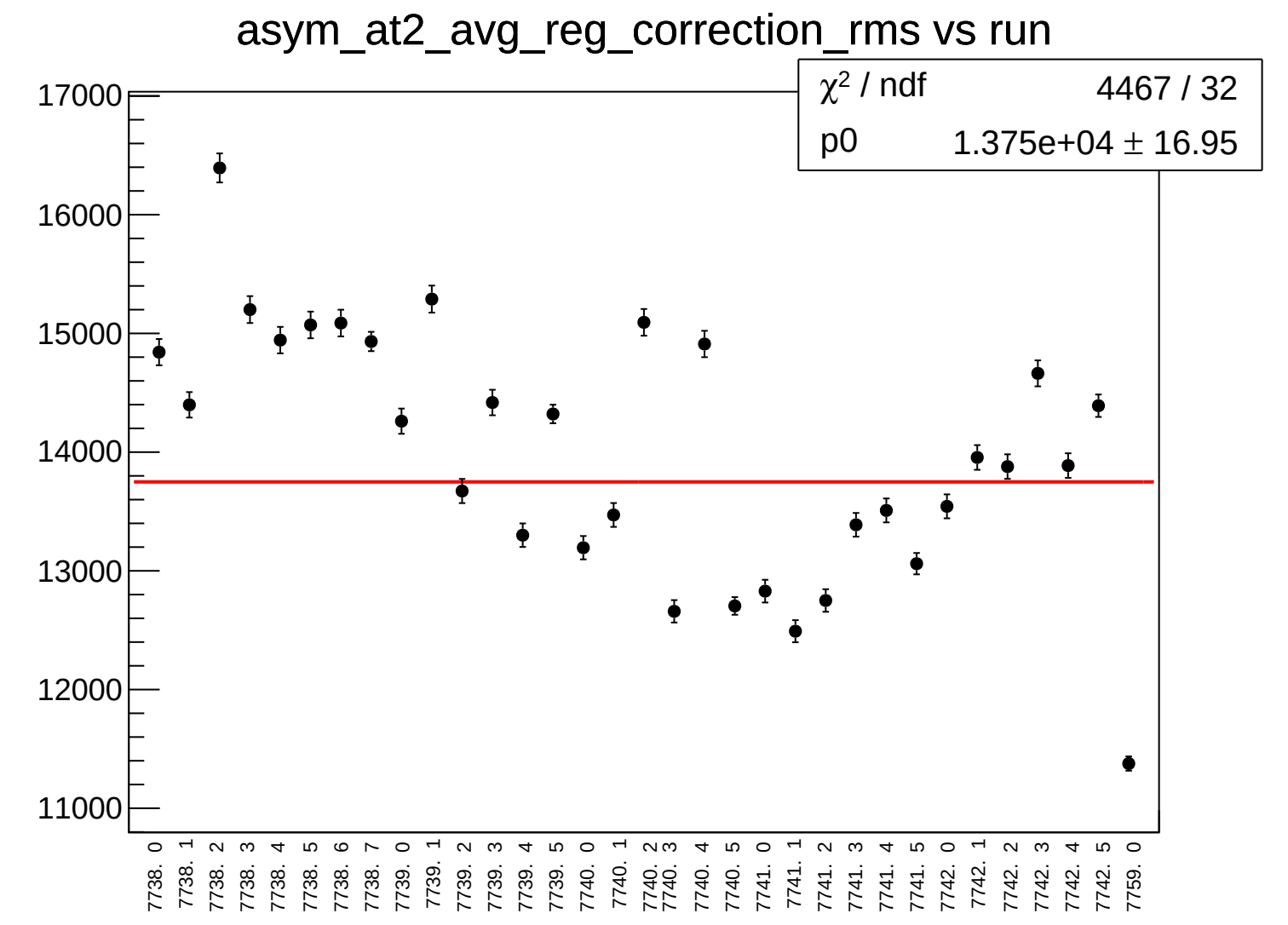

reg_asym_at2_avg_mean vs run
χ² / ndf 35.71 / 32
p0 −2279 ± 3066
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1699
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

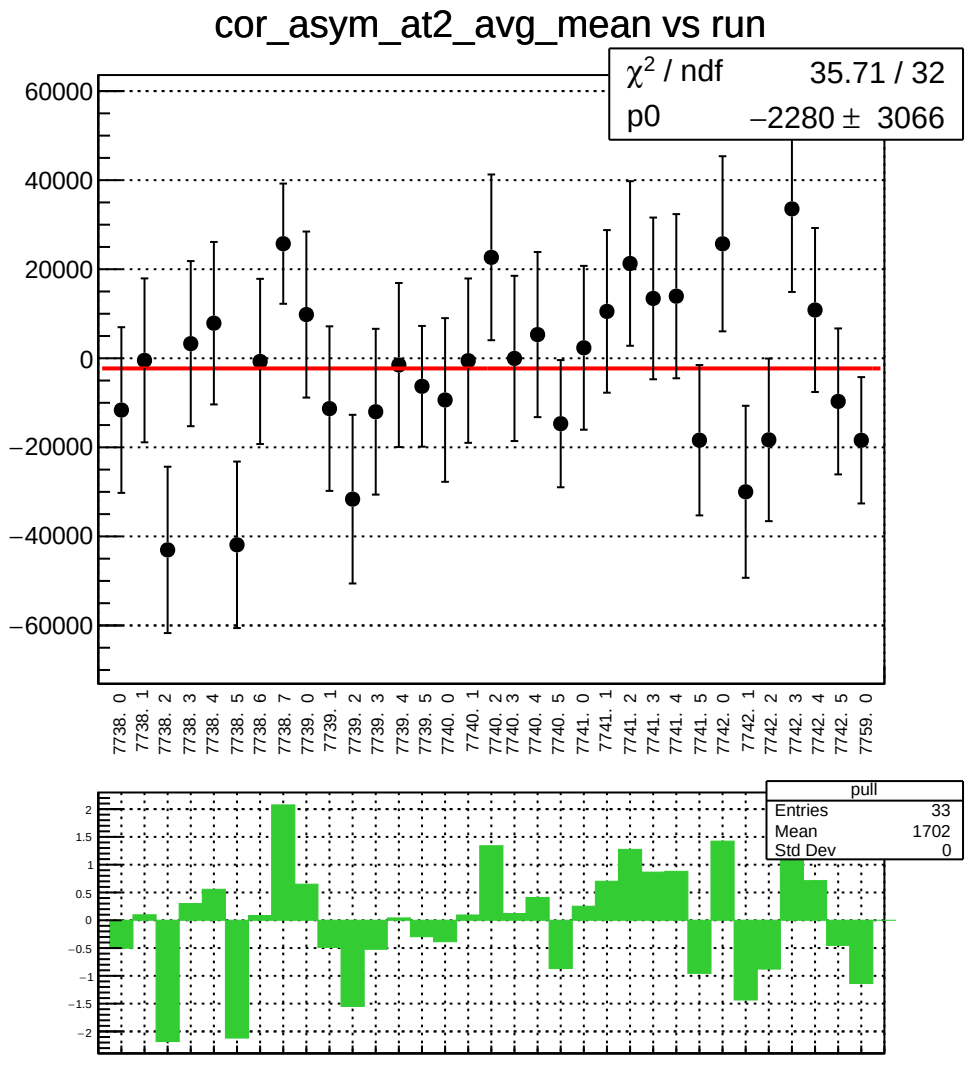

pull1D
Entries 33
Mean 0.0009855
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

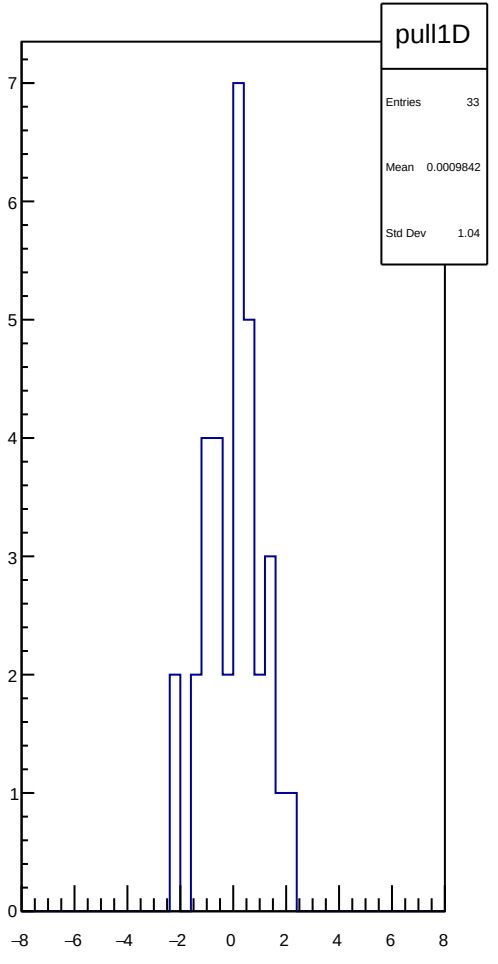

reg_asym_at2_avg_rms vs run
χ² / ndf 332 / 32
p0 1765 ± 2.168
1900
1850
1800
1750
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

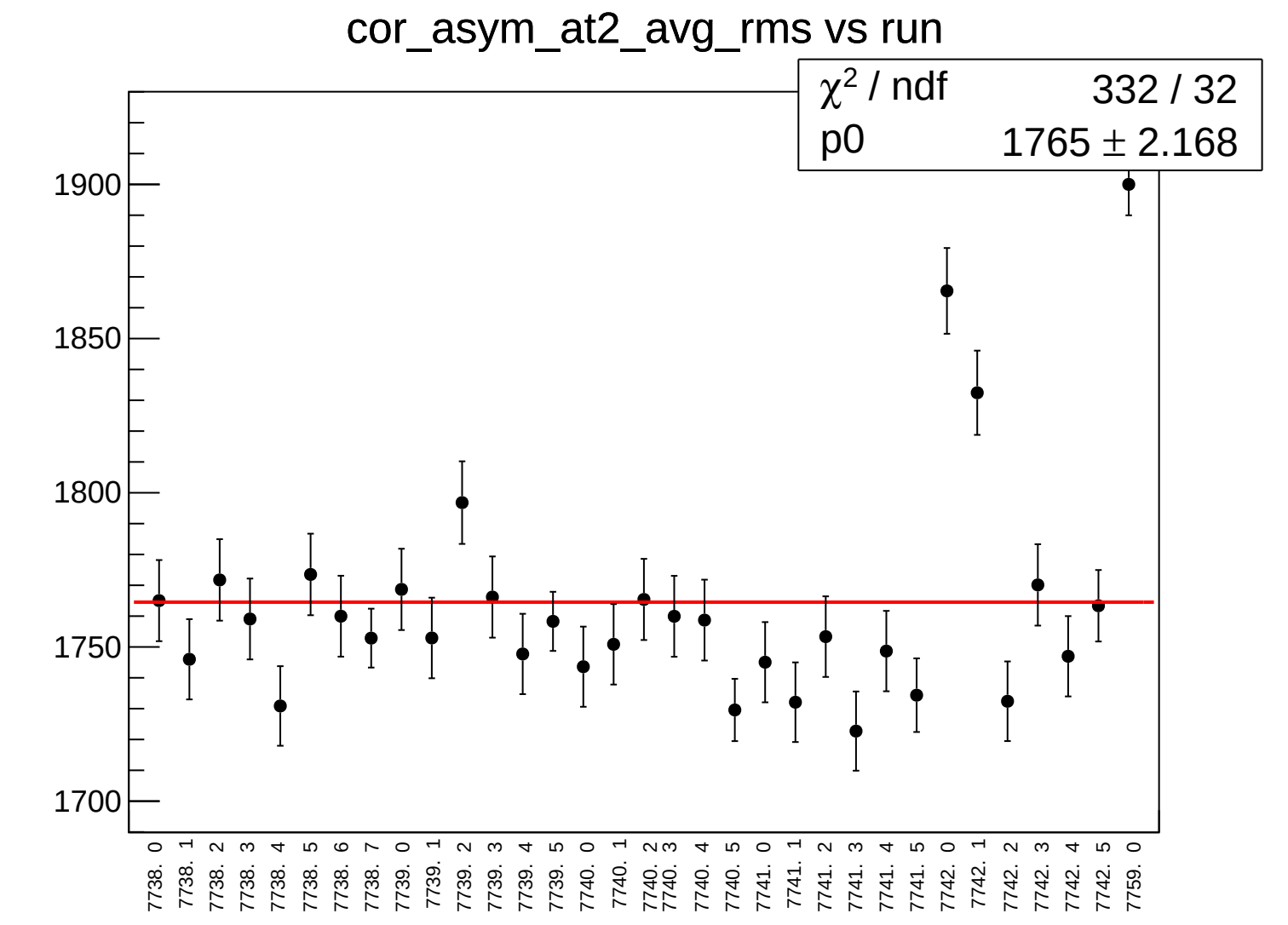

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.79 / 32
p0 −3422 ± 2.396e+04
400
200
0
−200
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

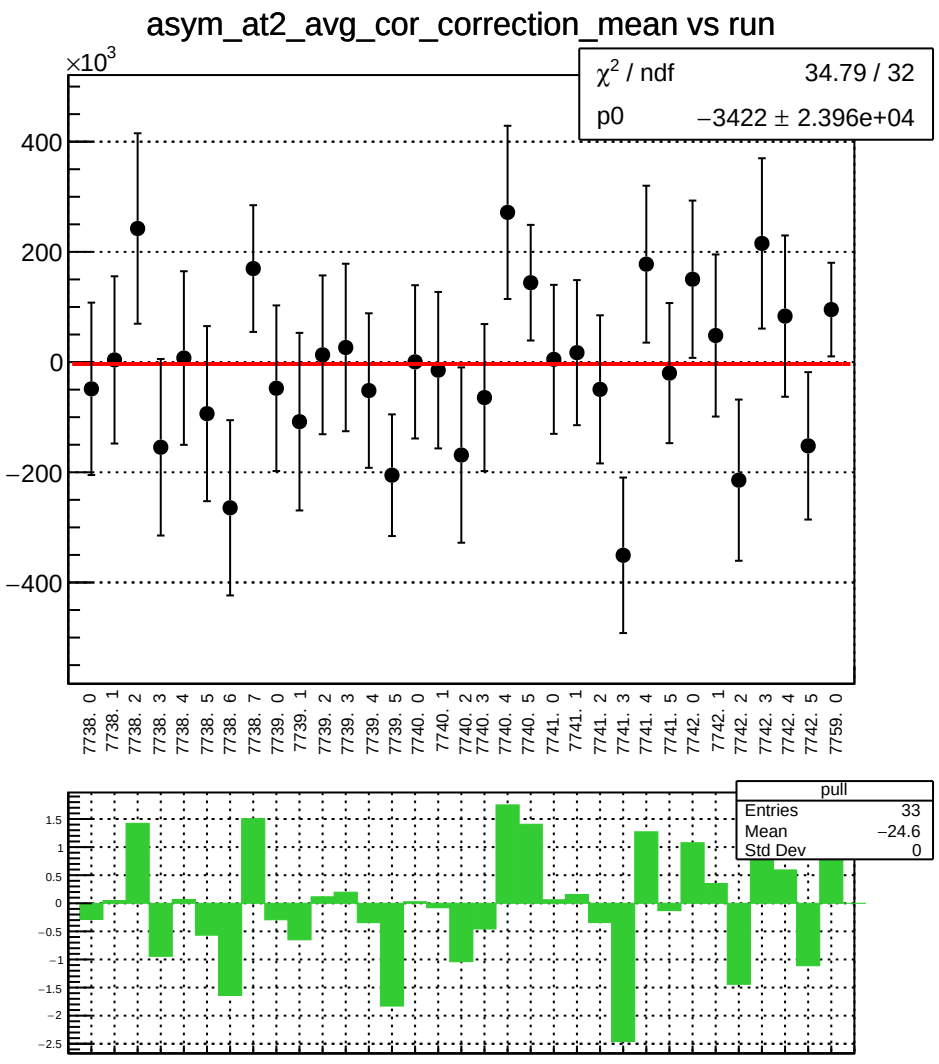

pull1D
Entries 33
Mean −0.02994
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

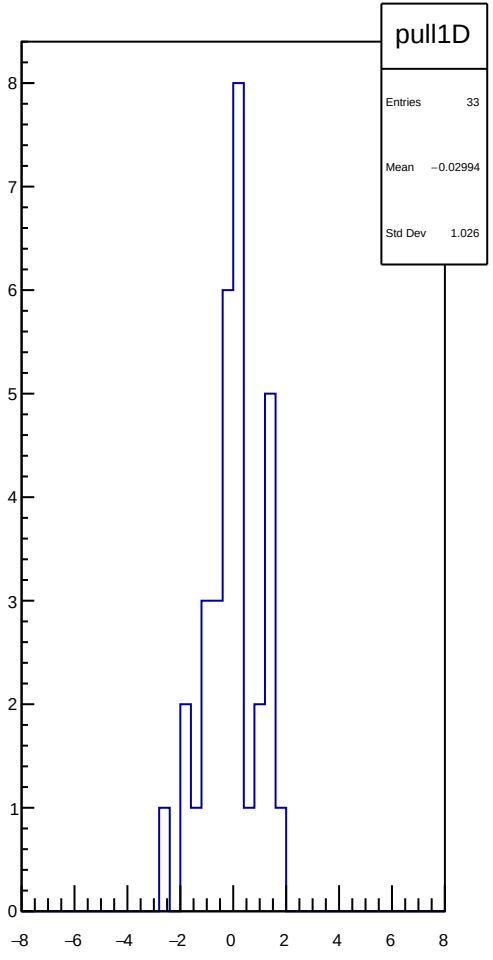

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 4467 / 32
p0 1.375e+04 ± 16.95
17000
16000
15000
14000
13000
12000
11000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

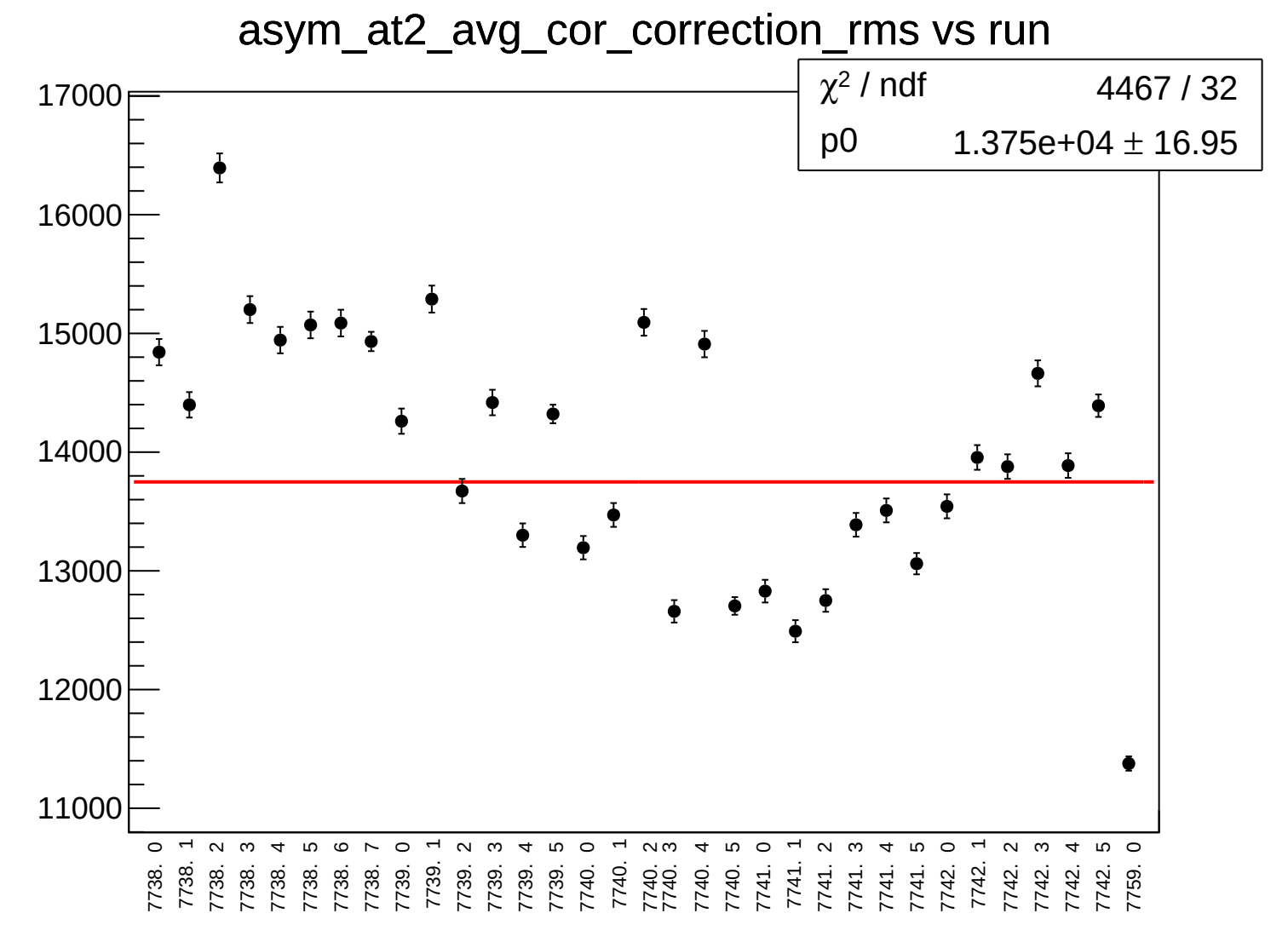

cor_asym_at2_avg_mean vs run
χ² / ndf 35.71 / 32
p0 −2280 ± 3066
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1702
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

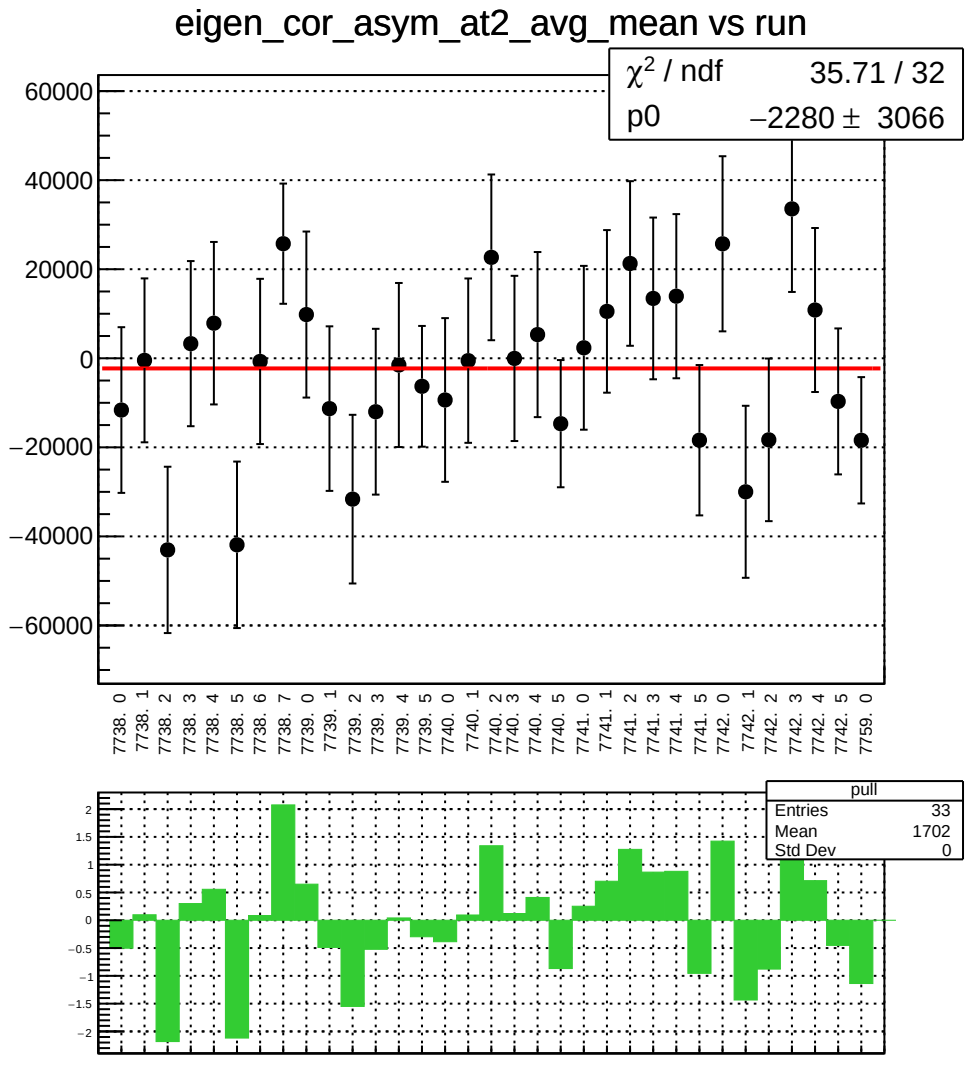

pull1D
Entries 33
Mean 0.0009842
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

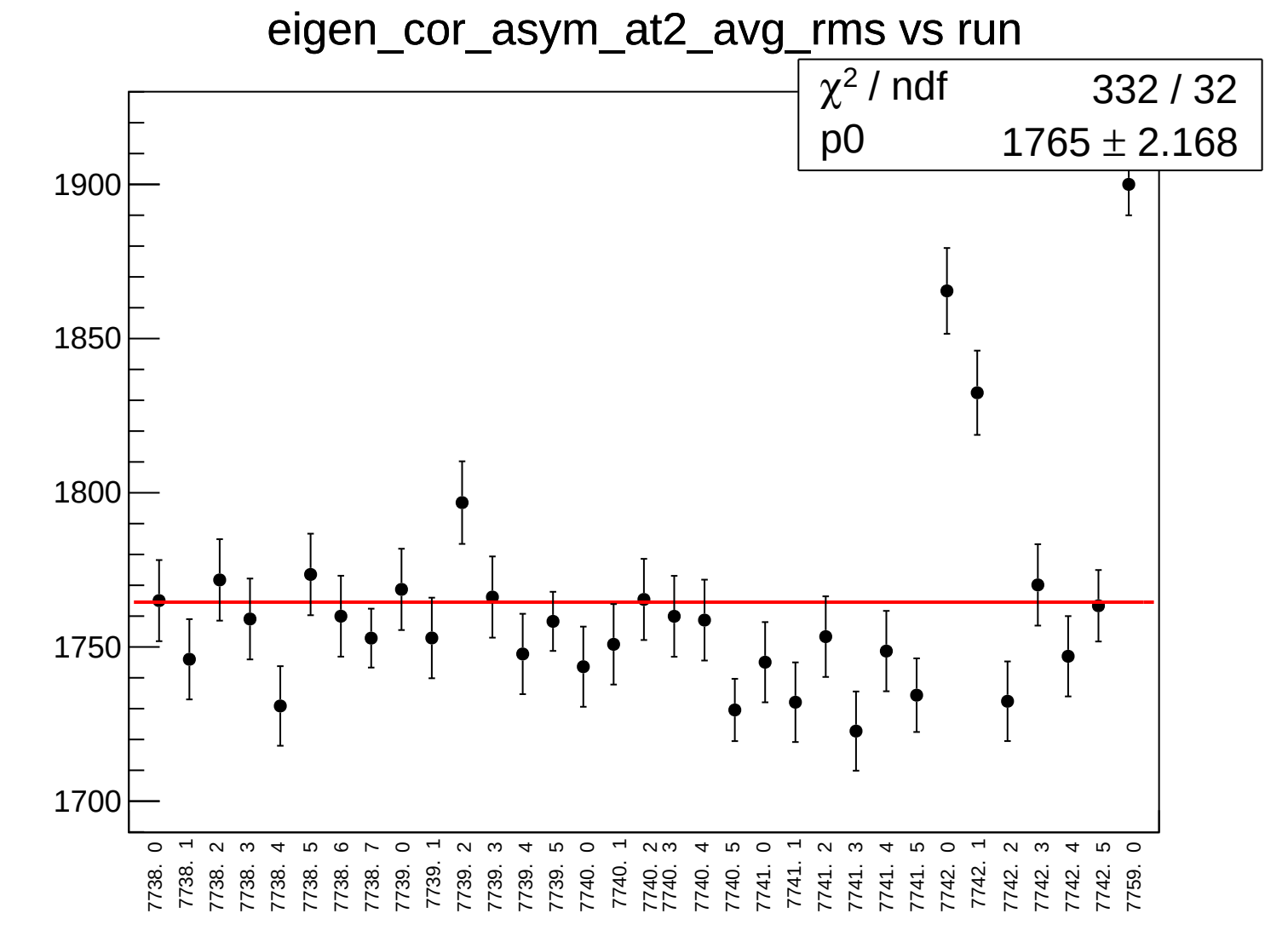

cor_asym_at2_avg_rms vs run
χ² / ndf 332 / 32
p0 1765 ± 2.168
1900
1850
1800
1750
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

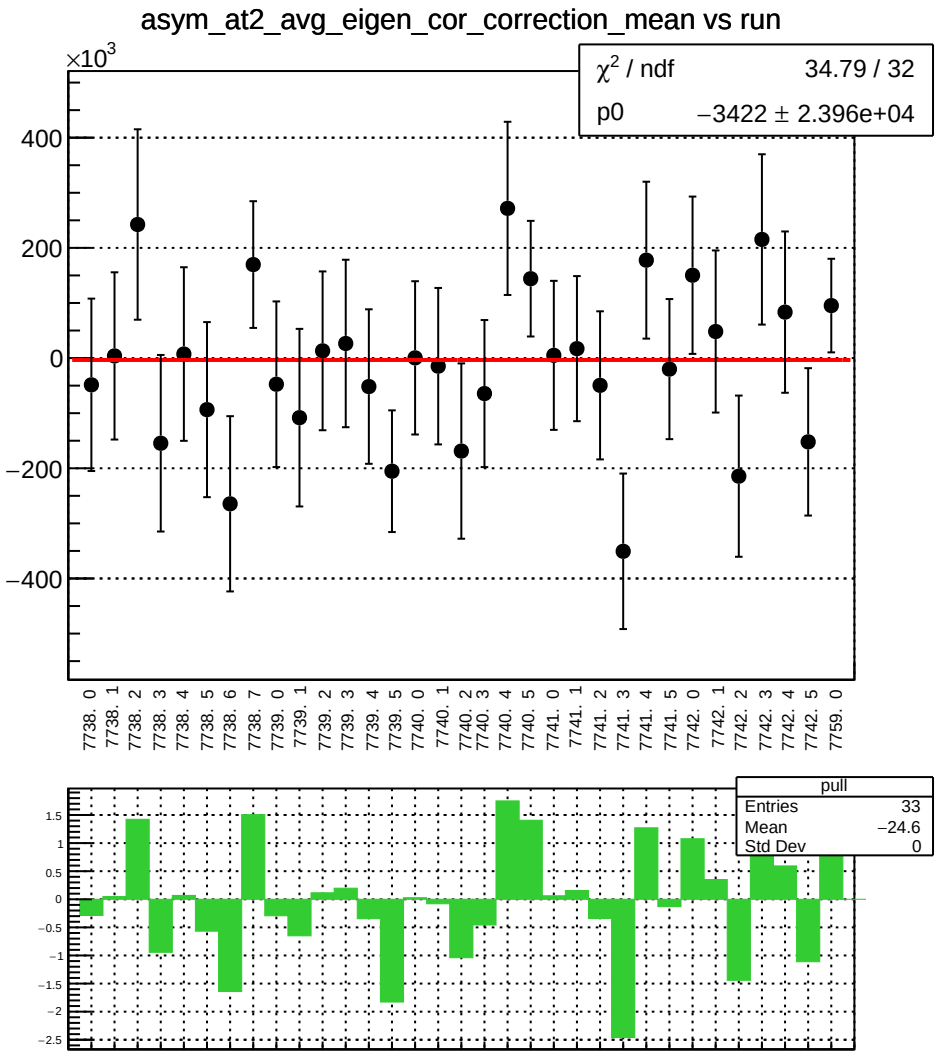

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.79 / 32
p0 −3422 ± 2.396e+04
400
200
0
−200
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

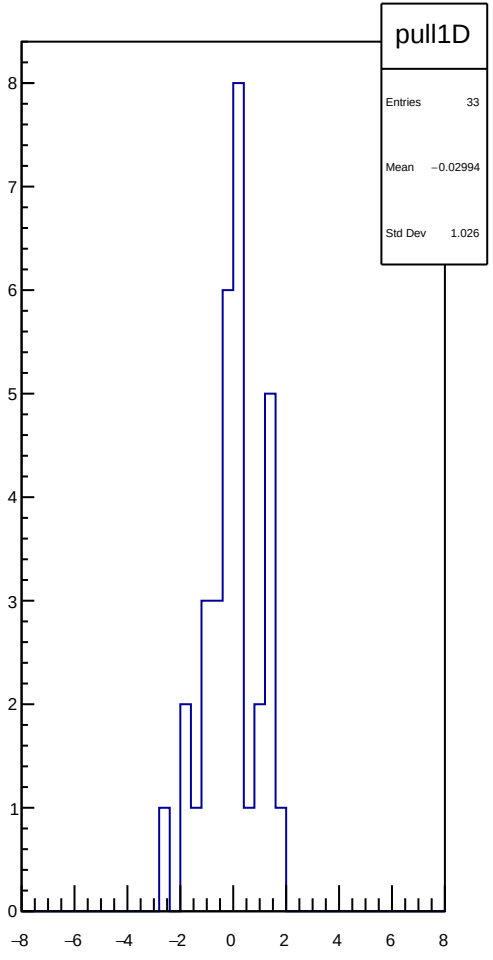

pull1D
Entries 33
Mean −0.02994
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

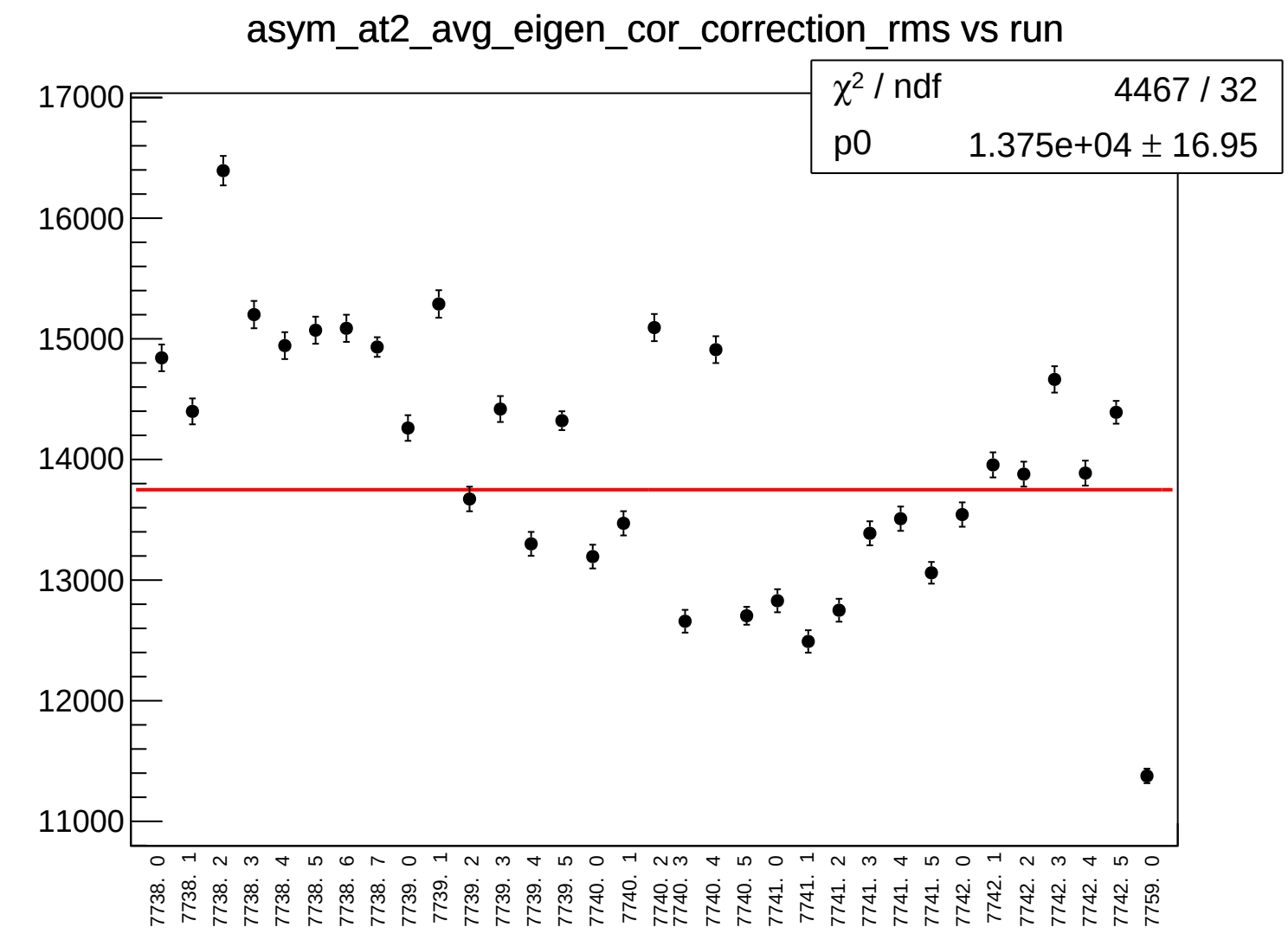

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 4467 / 32
p0 1.375e+04 ± 16.95
17000
16000
15000
14000
13000
12000
11000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

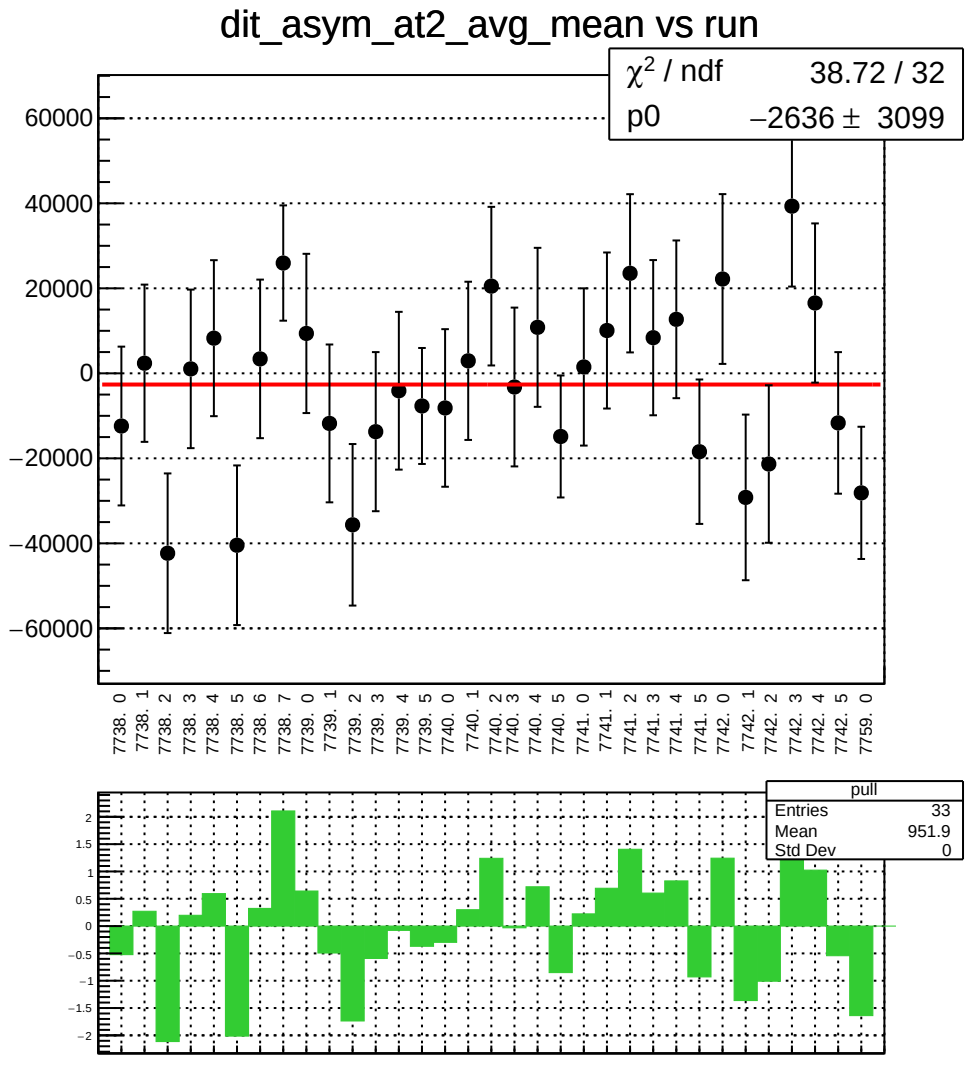

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 35.71 / 32
p0 −2280 ± 3066
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1702
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.0009842
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

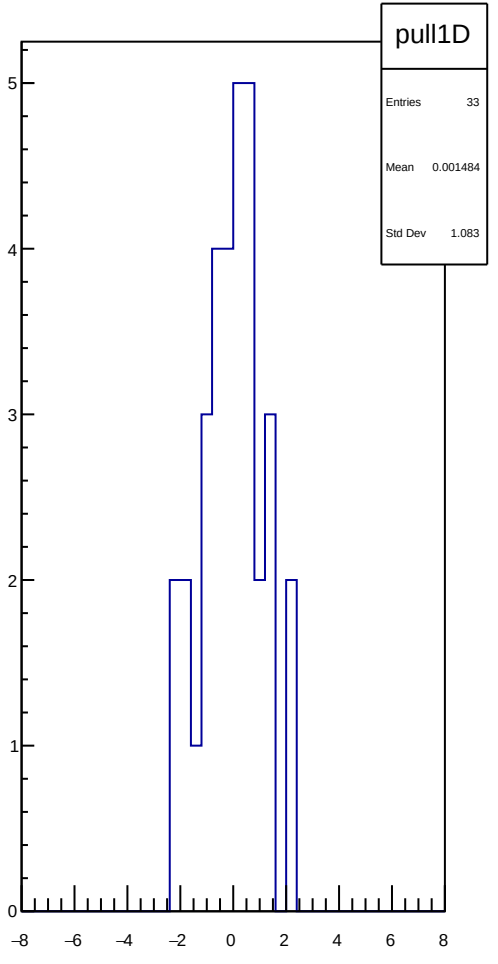

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 332 / 32
p0 1765 ± 2.168
1900
1850
1800
1750
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

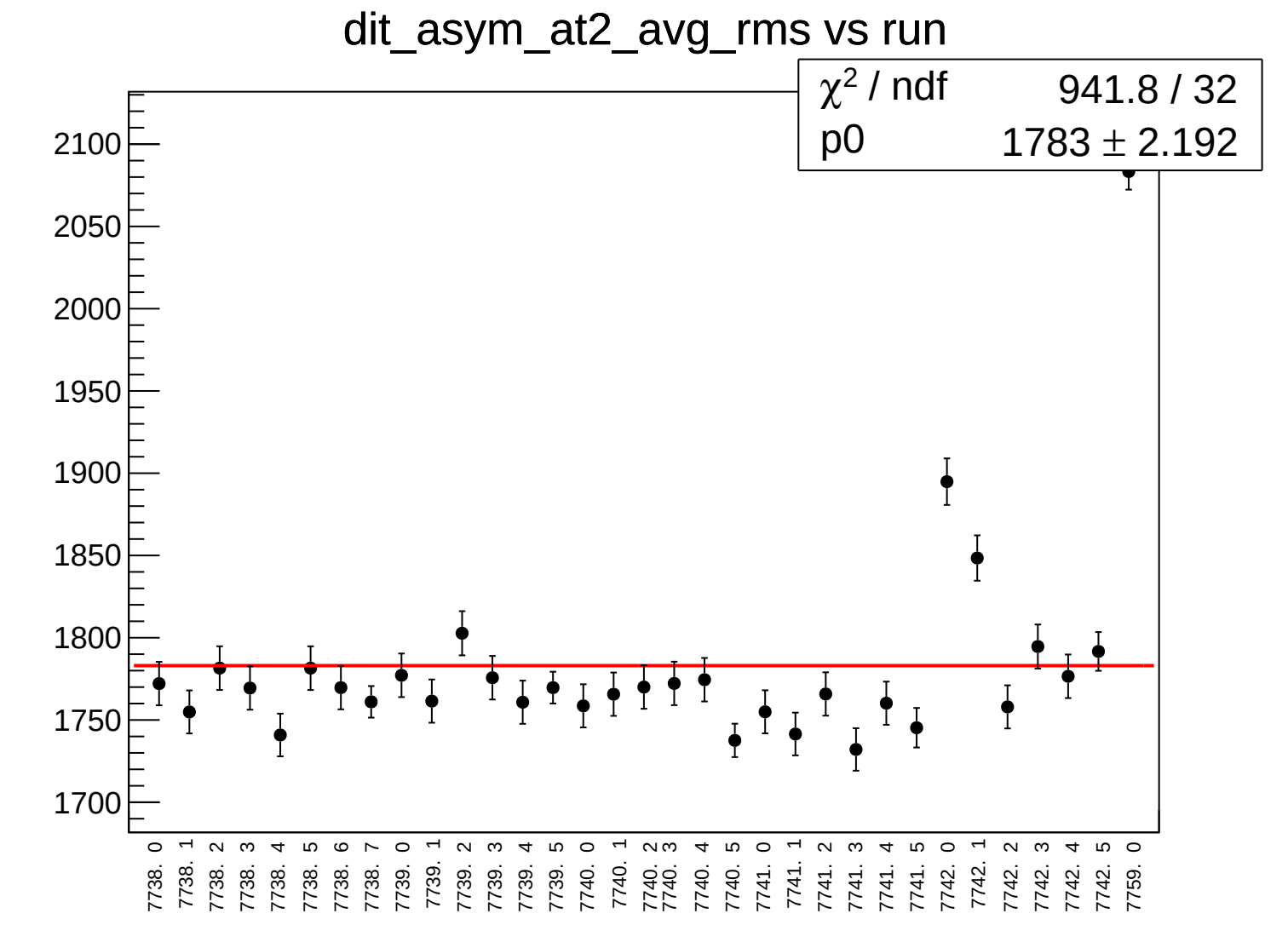

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.79 / 32
p0 −3422 ± 2.396e+04
400
200
0
−200
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

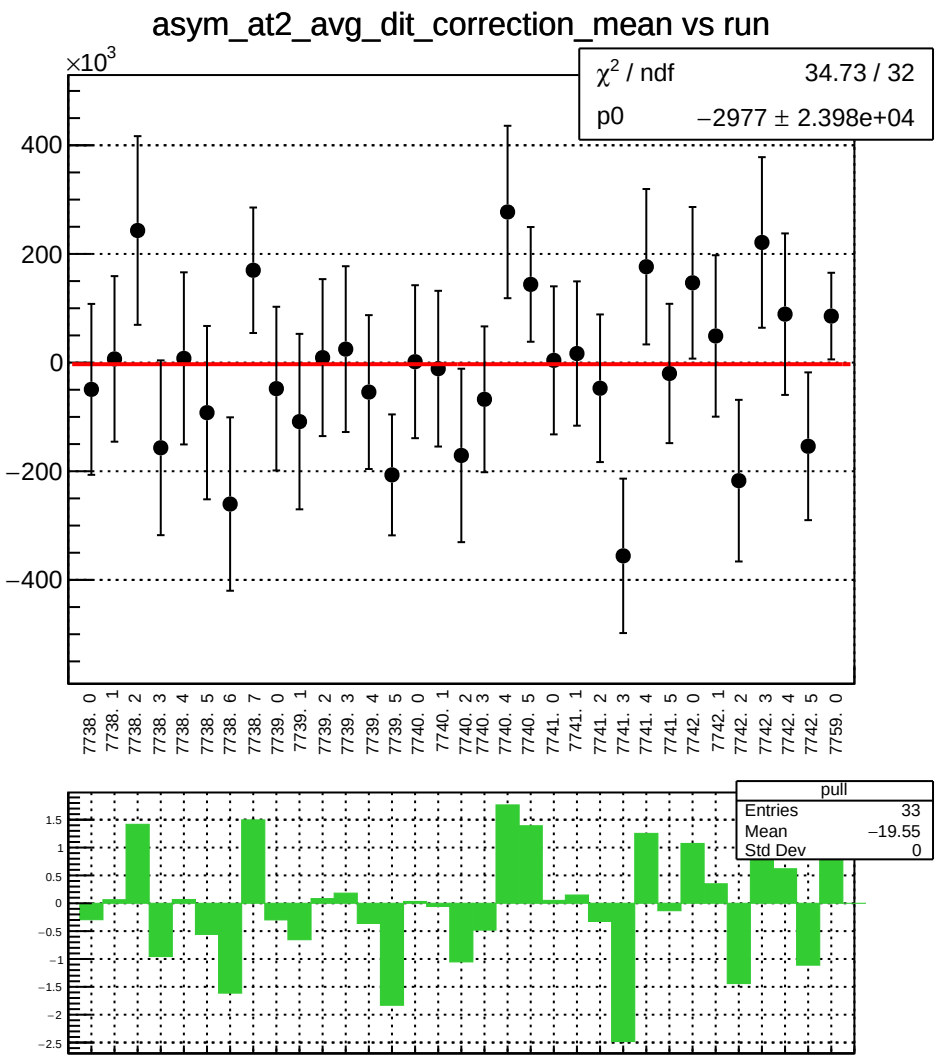

pull1D
Entries 33
Mean −0.02994
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

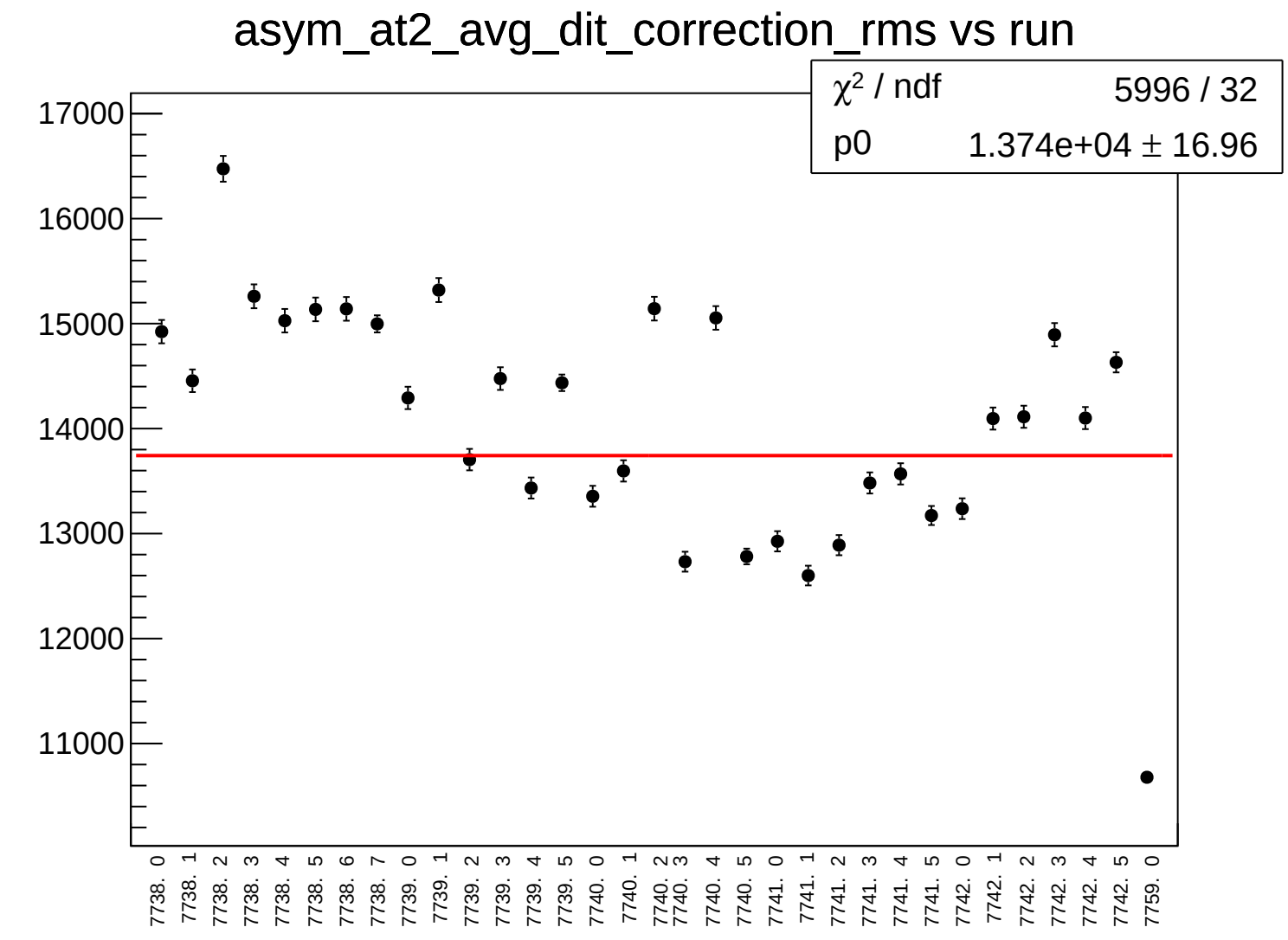

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4467 / 32
p0 1.375e+04 ± 16.95
17000
16000
15000
14000
13000
12000
11000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

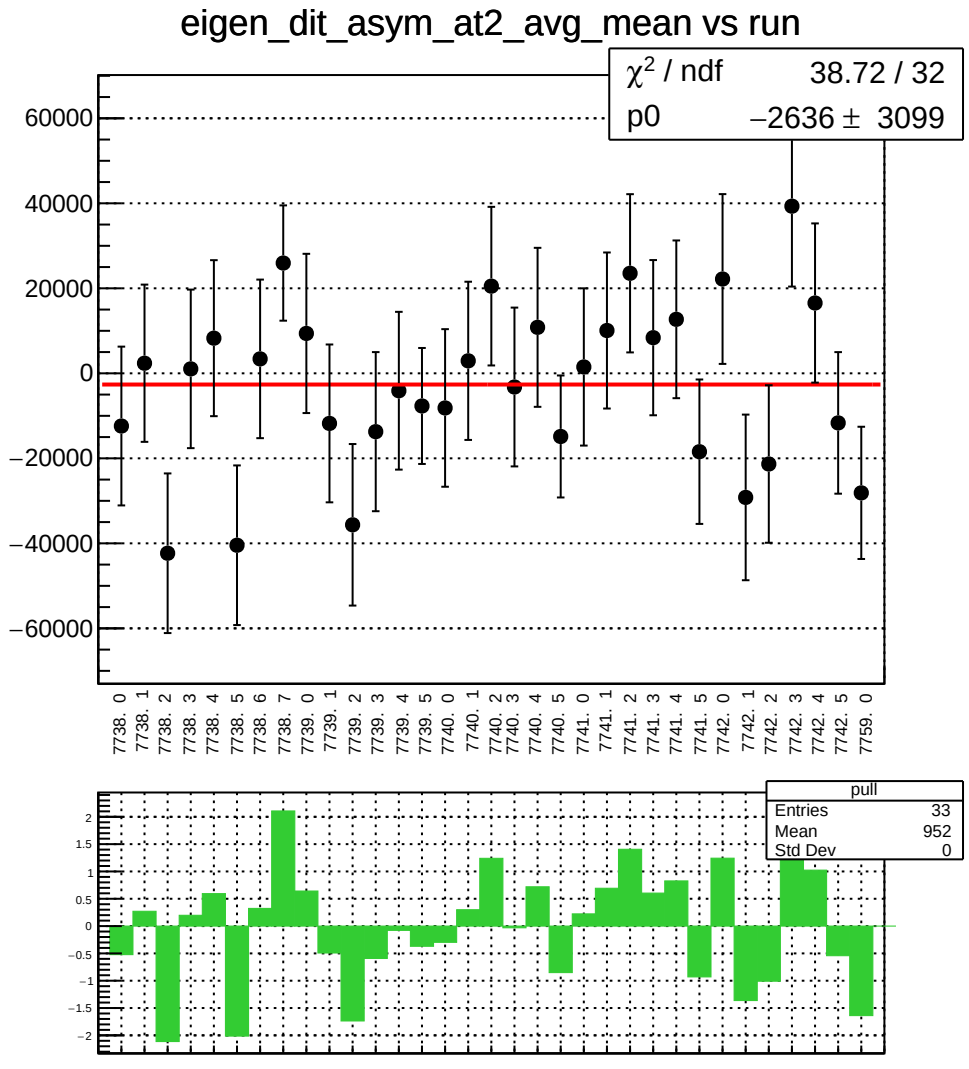

dit_asym_at2_avg_mean vs run
χ² / ndf 38.72 / 32
p0 −2636 ± 3099
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 951.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

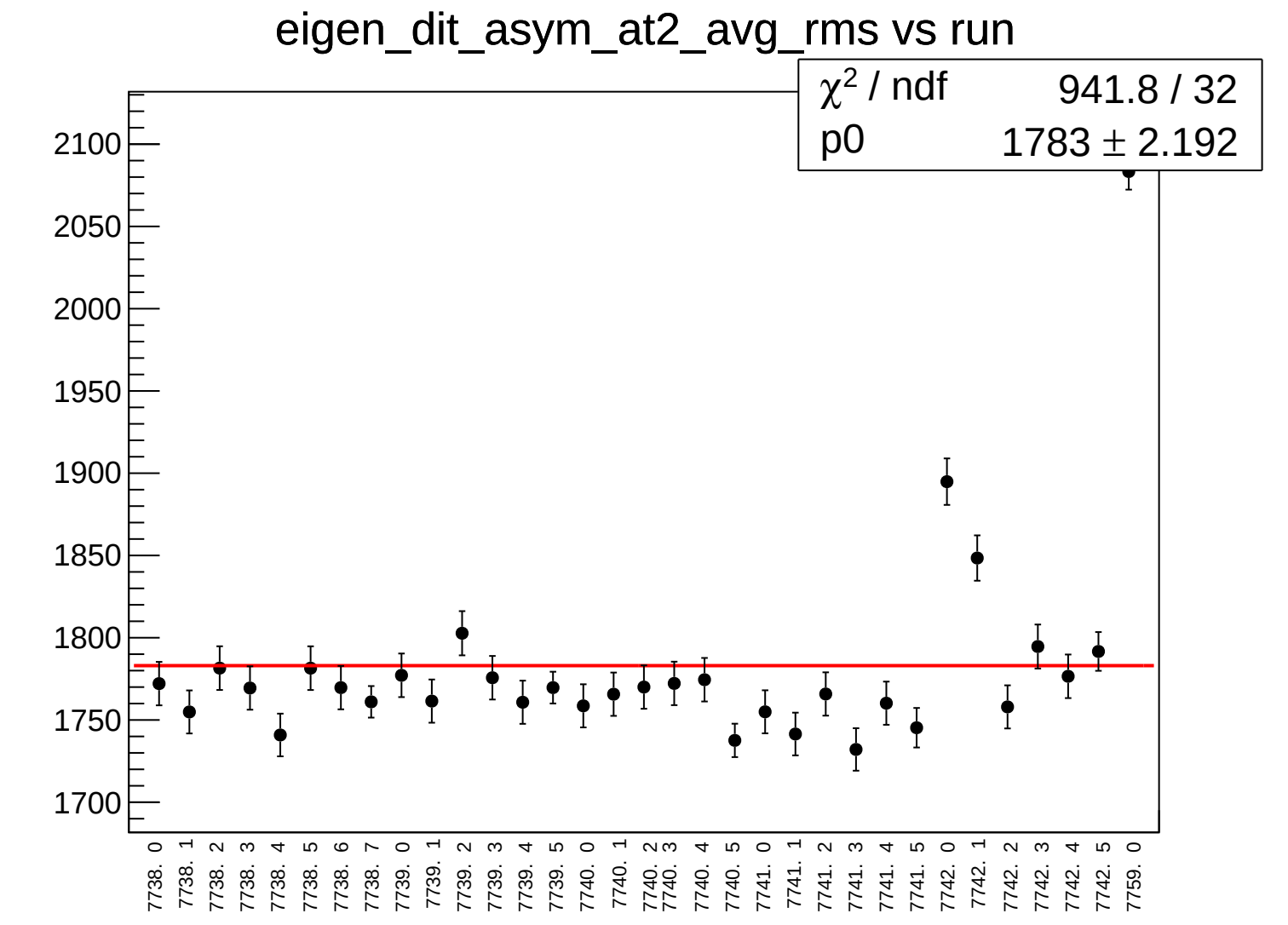

pull1D
Entries 33
Mean 0.001484
Std Dev 1.083
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

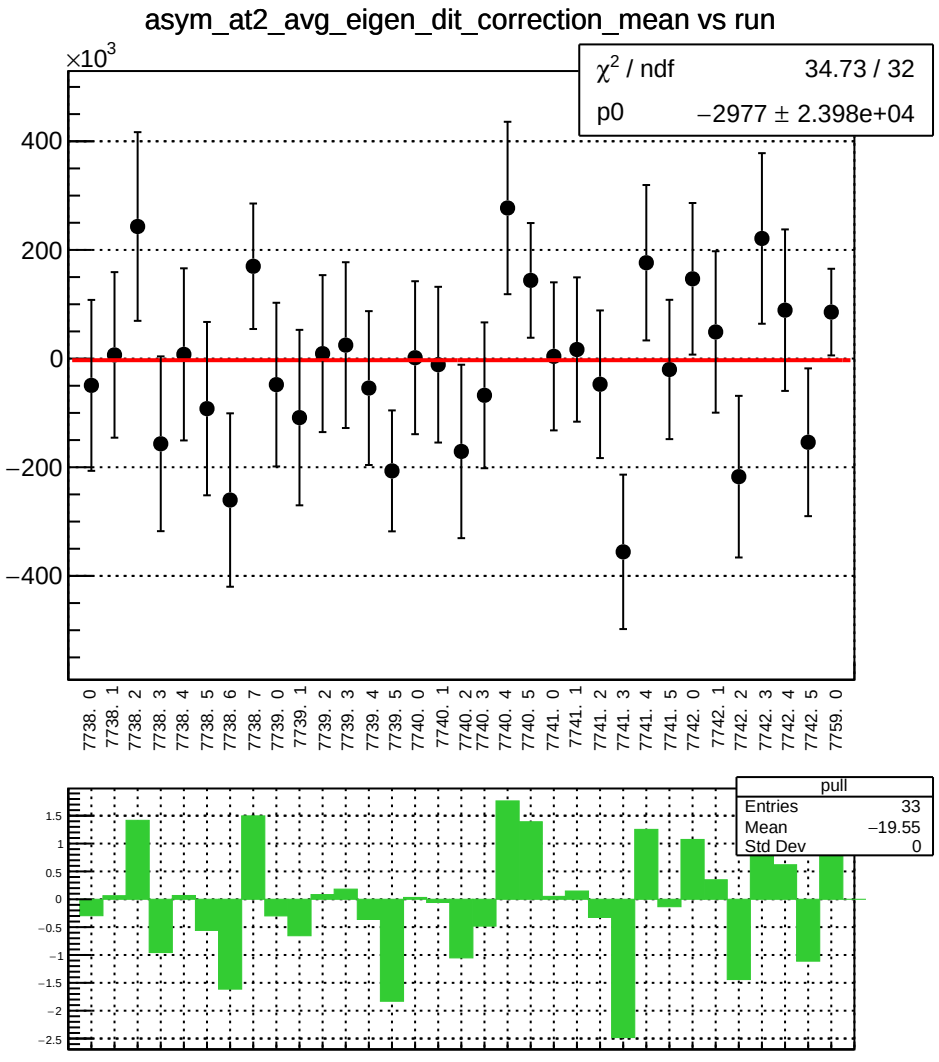

dit_asym_at2_avg_rms vs run
χ^2 / ndf 941.8 / 32
p0 1783 ± 2.192
2100
2050
2000
1950
1900
1850
1800
1750
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

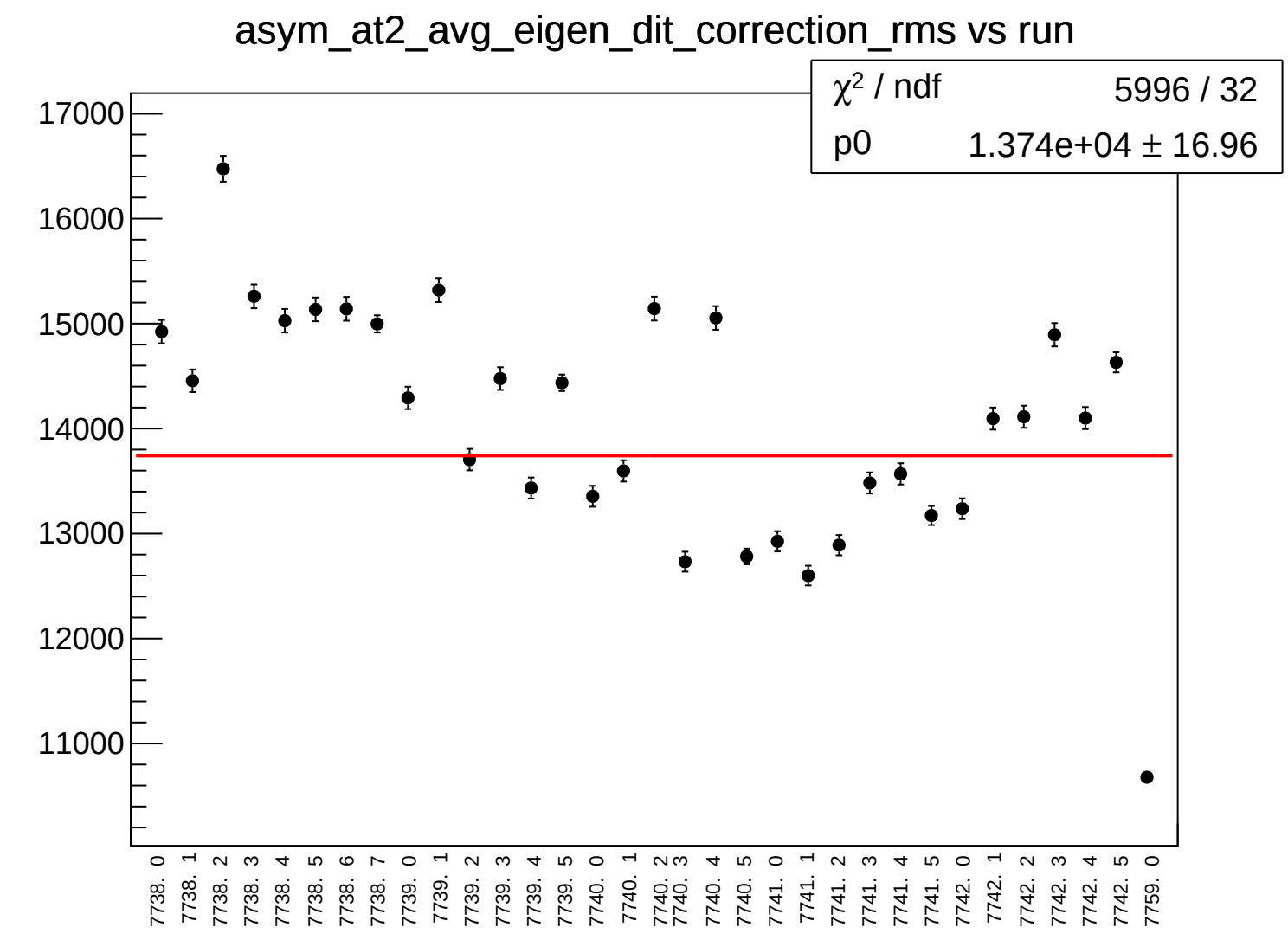

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.73 / 32
p0 −2977 ± 2.398e+04
400
200
0
−200
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03374
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

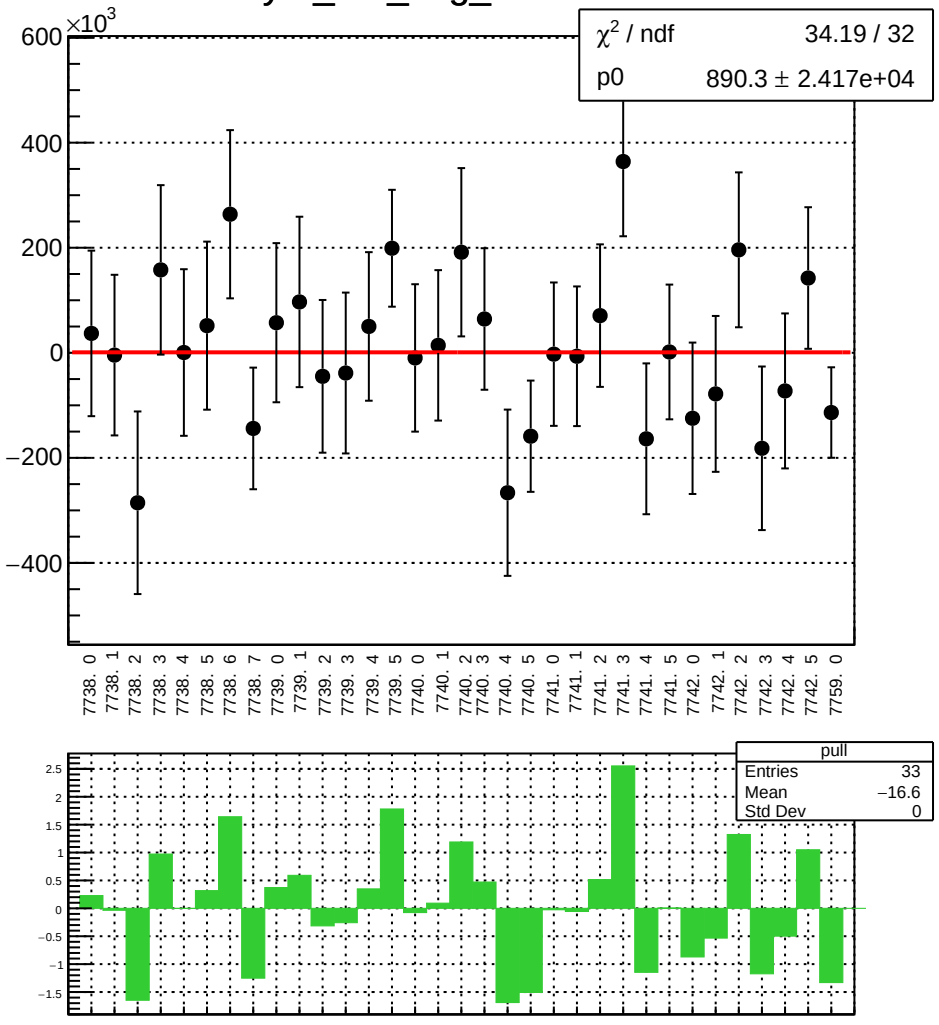

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 5996 / 32
p0 1.374e+04 ± 16.96
17000
16000
15000
14000
13000
12000
11000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

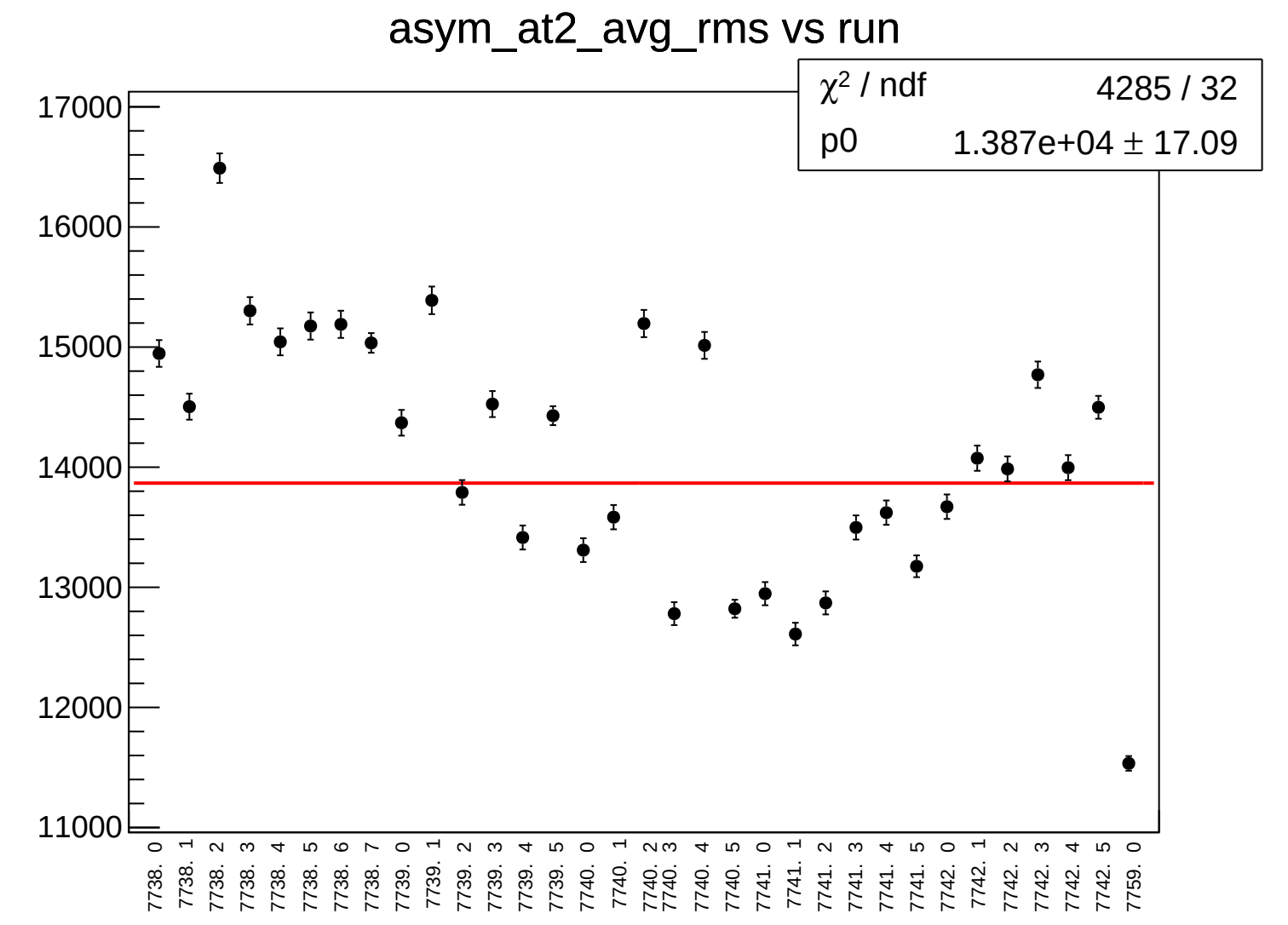

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 38.72 / 32
p0 −2636 ± 3099
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 952
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.001484
Std Dev 1.083
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

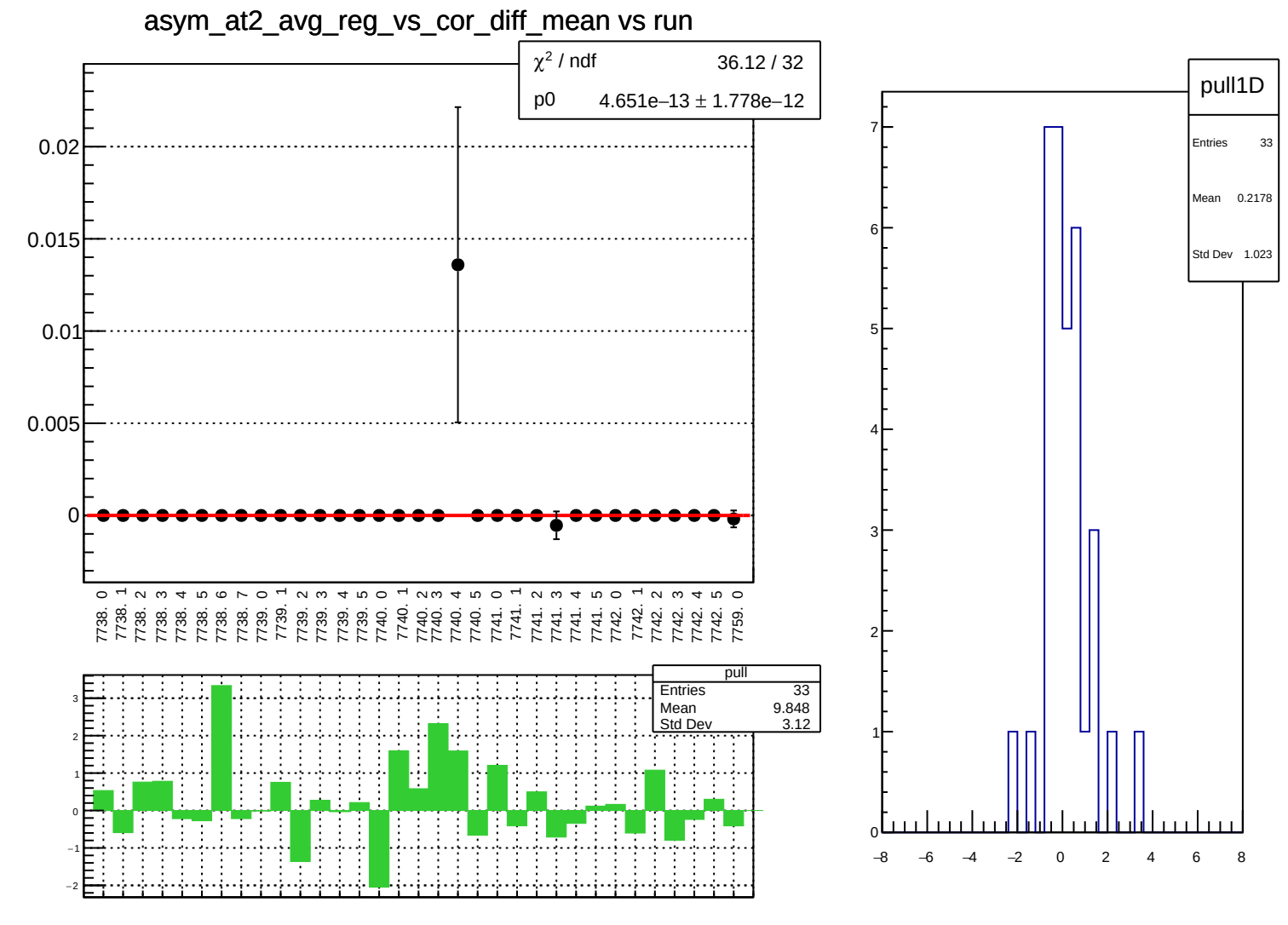

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 941.8 / 32
p0 1783 ± 2.192
2100
2050
2000
1950
1900
1850
1800
1750
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

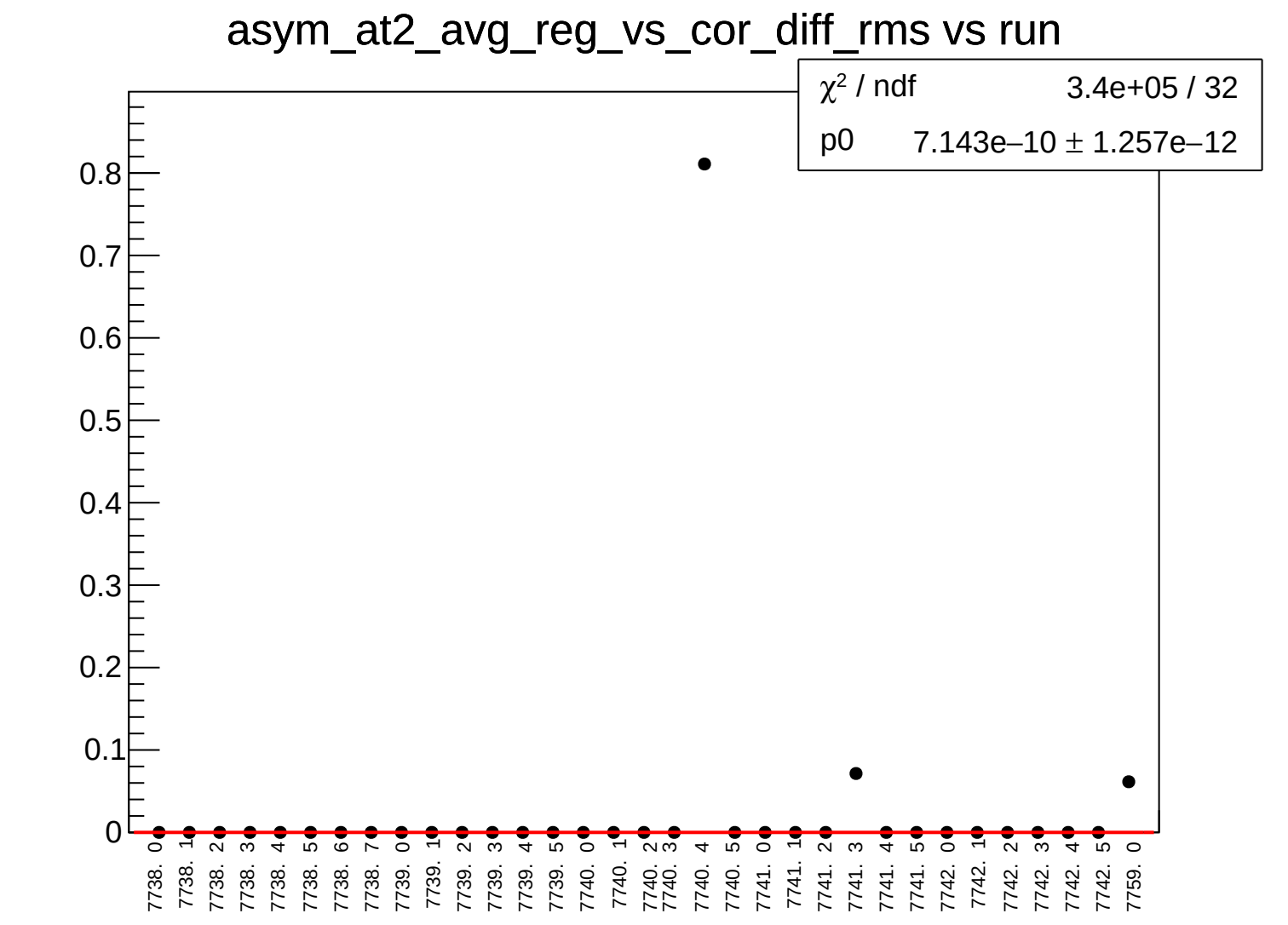

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.73 / 32
p0 −2977 ± 2.398e+04
400
200
0
−200
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03374
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

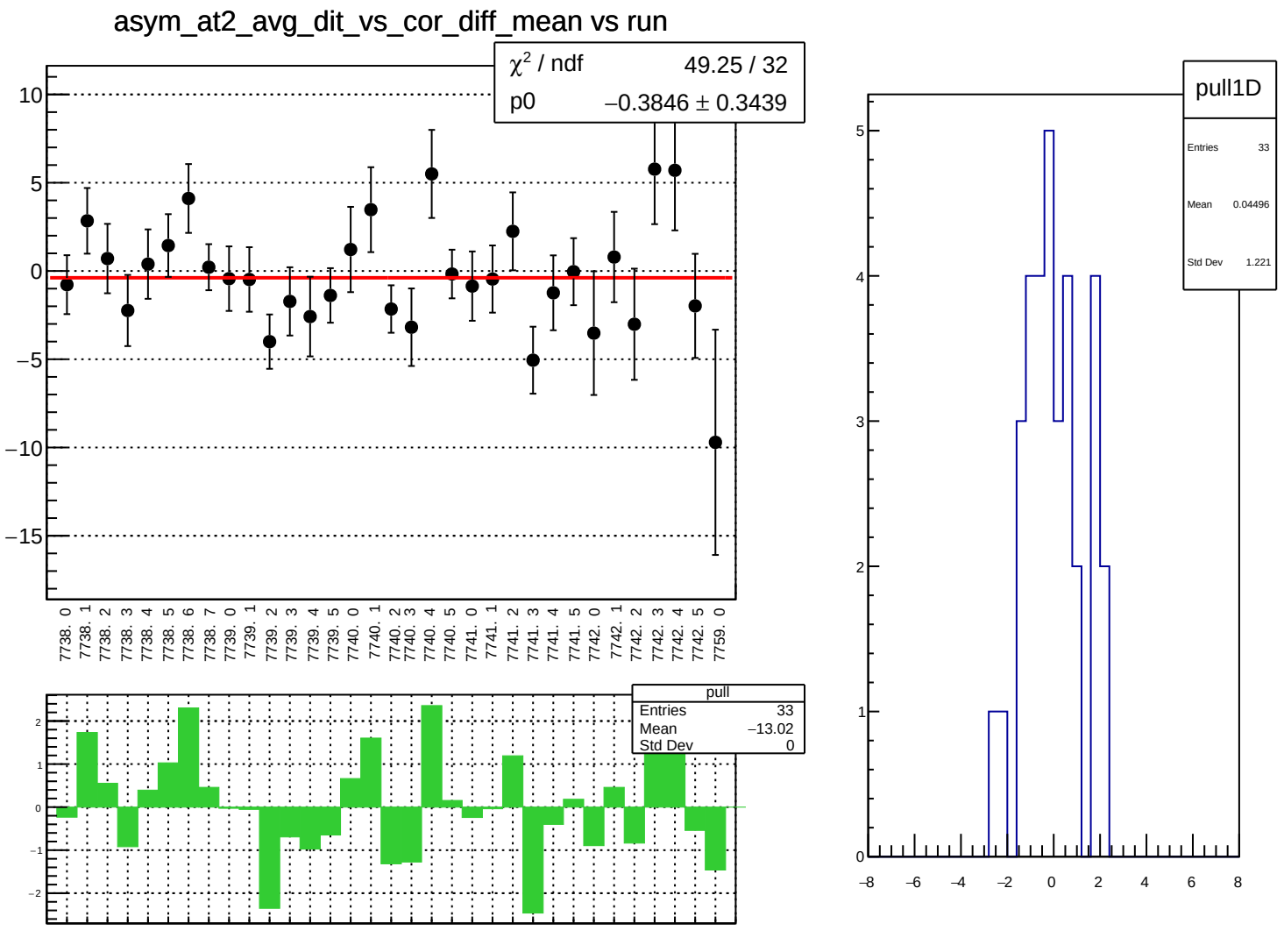

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 5996 / 32
p0 1.374e+04 ± 16.96
17000
16000
15000
14000
13000
12000
11000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

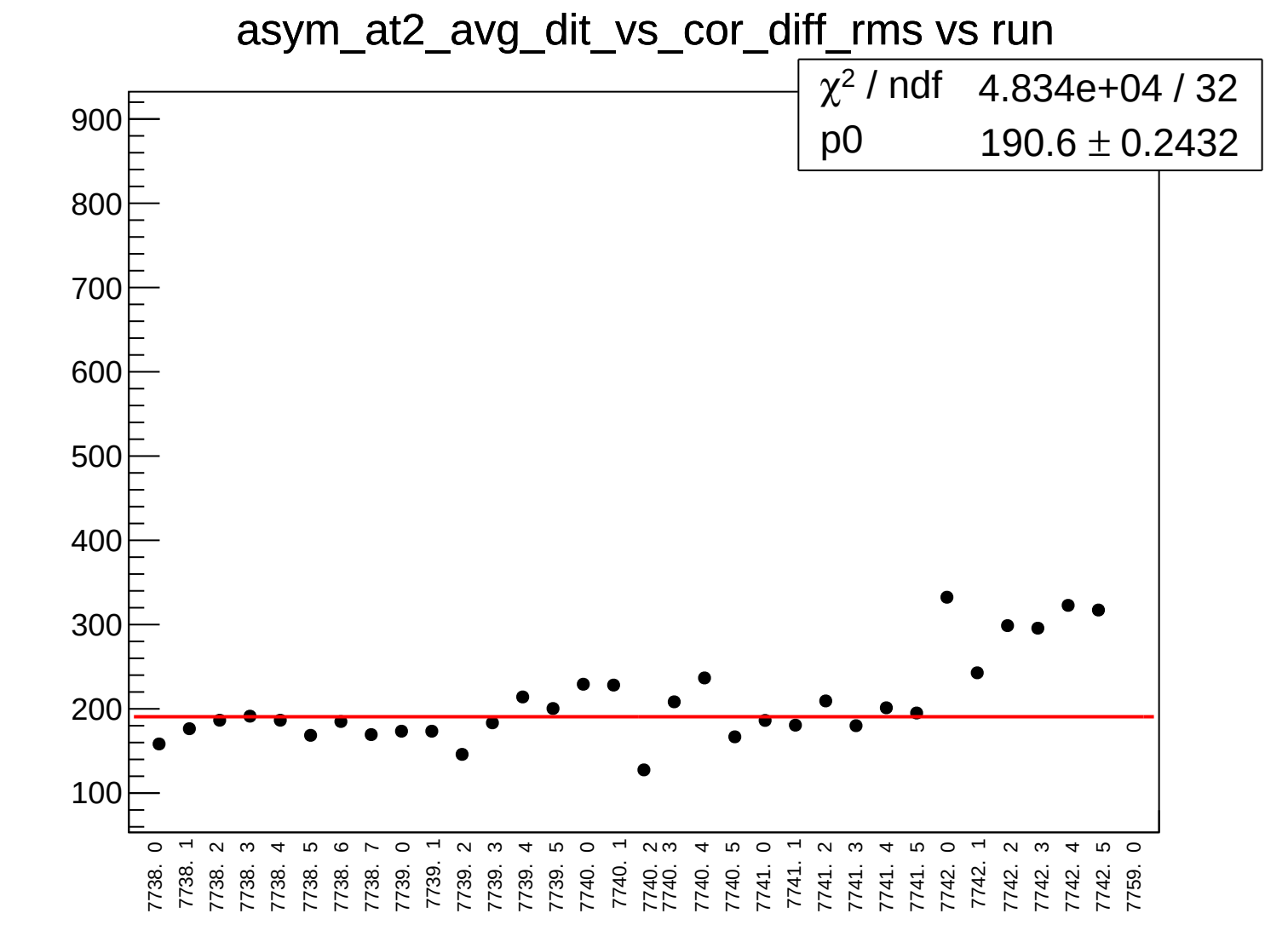

asym_at2_avg_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 34.19 / 32
p0 890.3 ± 2.417e+04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0315
Std Dev 1.017
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

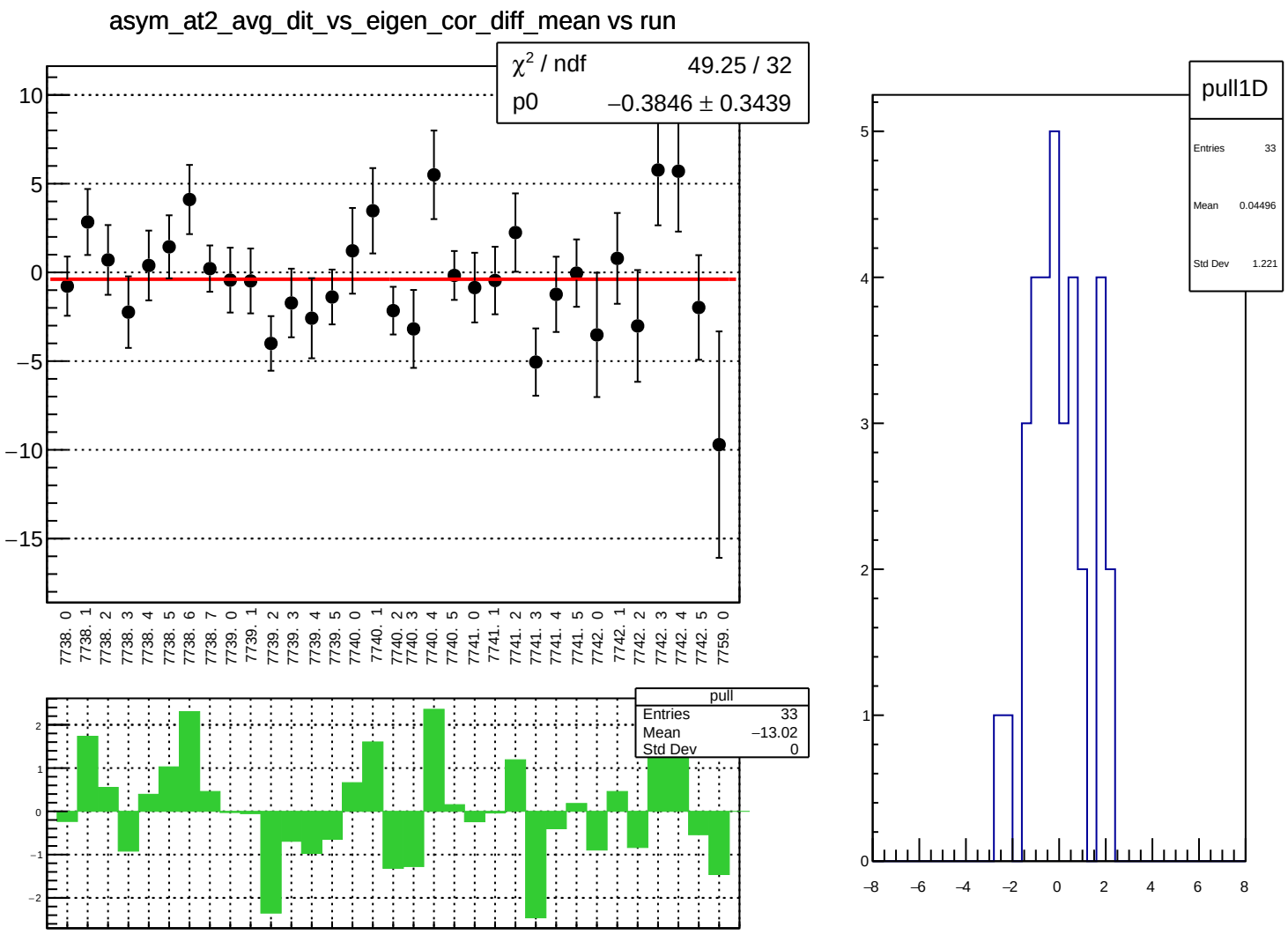

asym_at2_avg_rms vs run
χ² / ndf 4285 / 32
p0 1.387e+04 ± 17.09
17000
16000
15000
14000
13000
12000
11000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

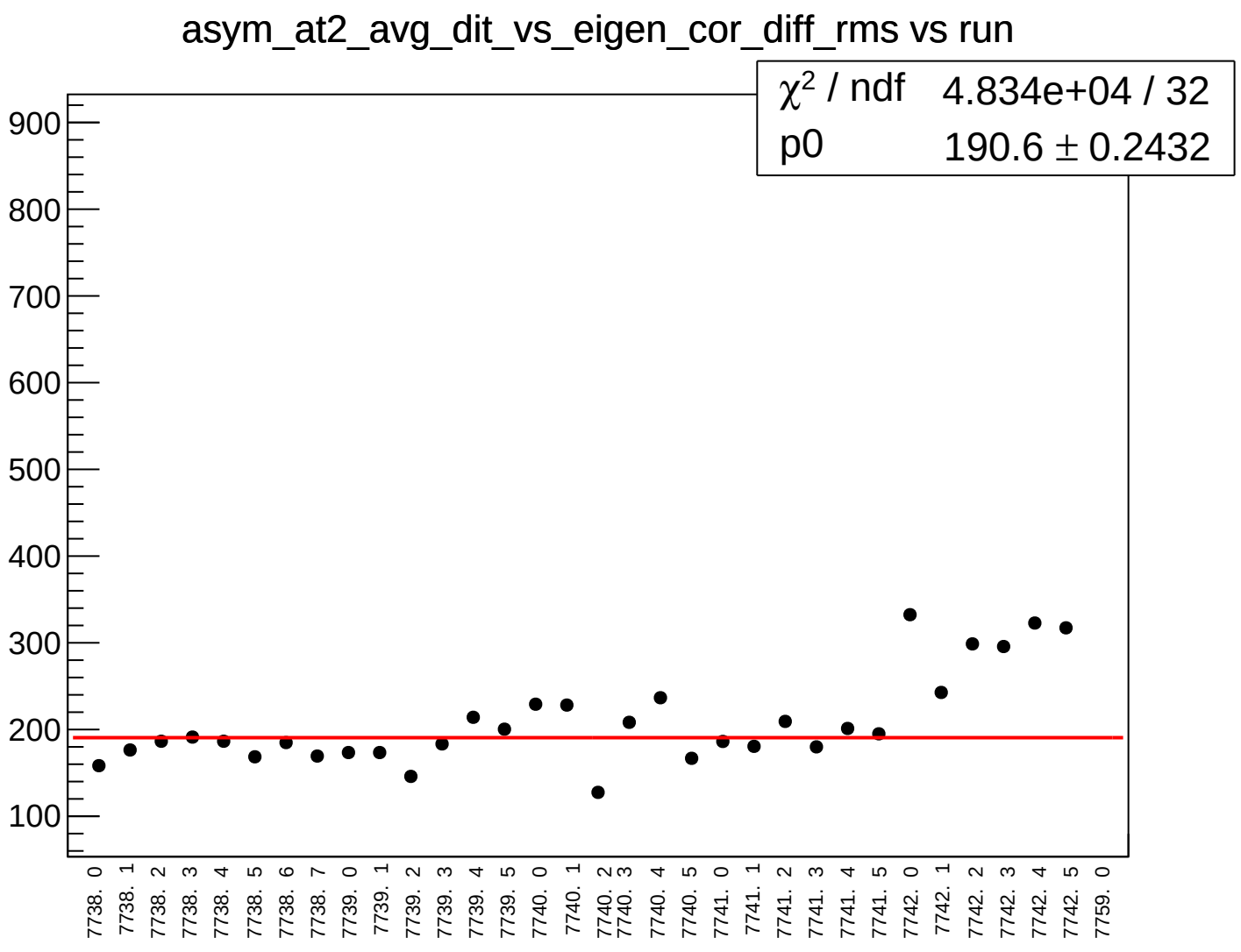

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.12 / 32
p0 4.651e−13 ± 1.778e−12
0.02
0.015
0.01
0.005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.848
Std Dev 3.12
pull1D
Entries 33
Mean 0.2178
Std Dev 1.023

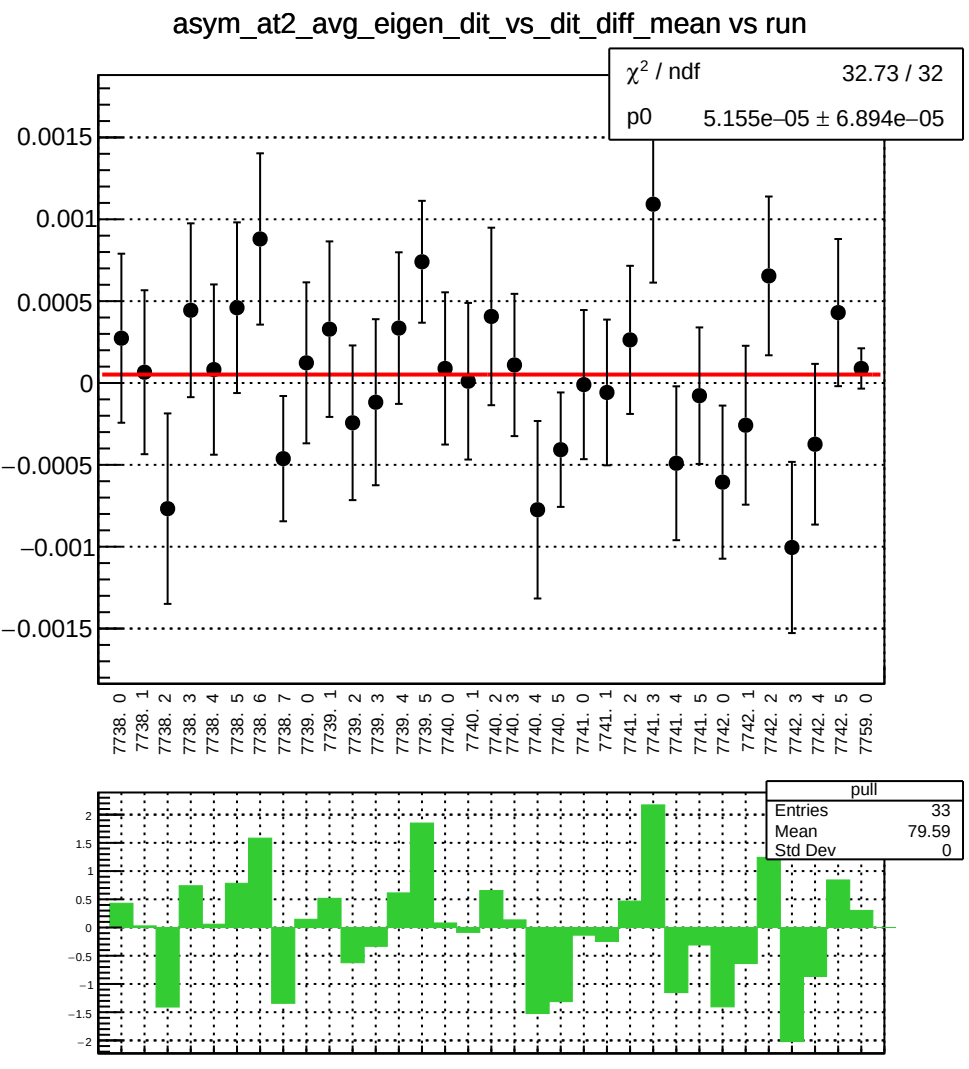

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.4e+05 / 32
p0 7.143e−10 ± 1.257e−12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

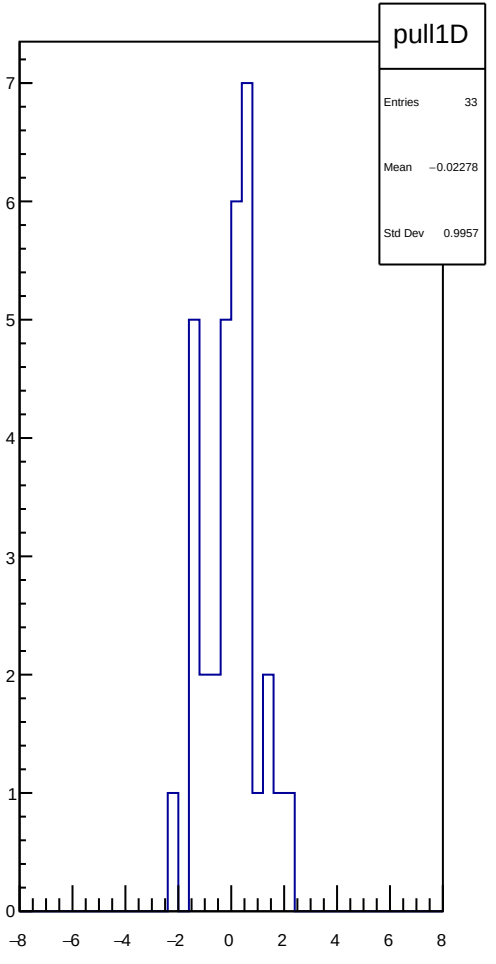

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.25 / 32
p0 −0.3846 ± 0.3439
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.02
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.04496
Std Dev 1.221
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

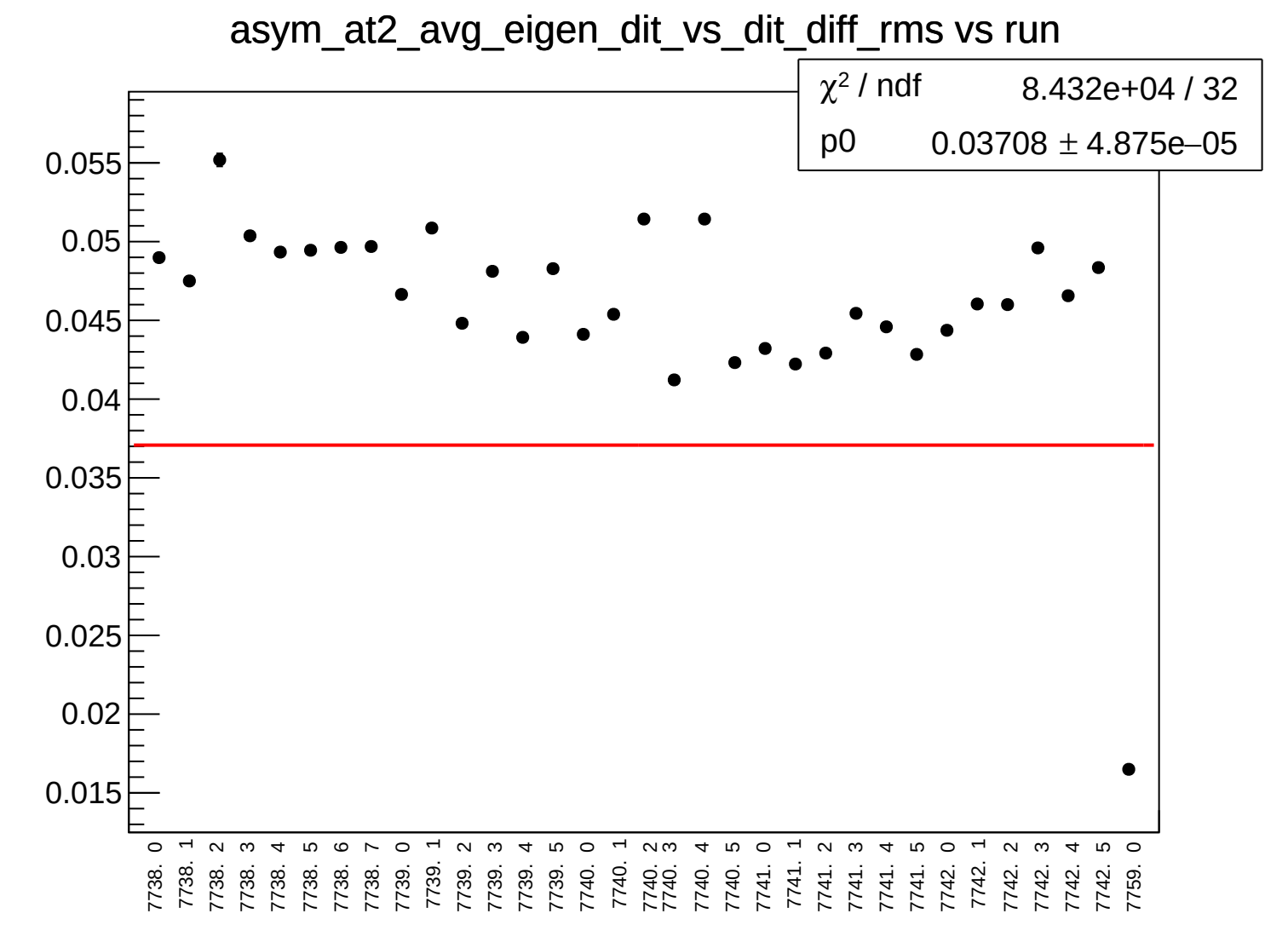

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.834e+04 / 32
p0 190.6 ± 0.2432
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

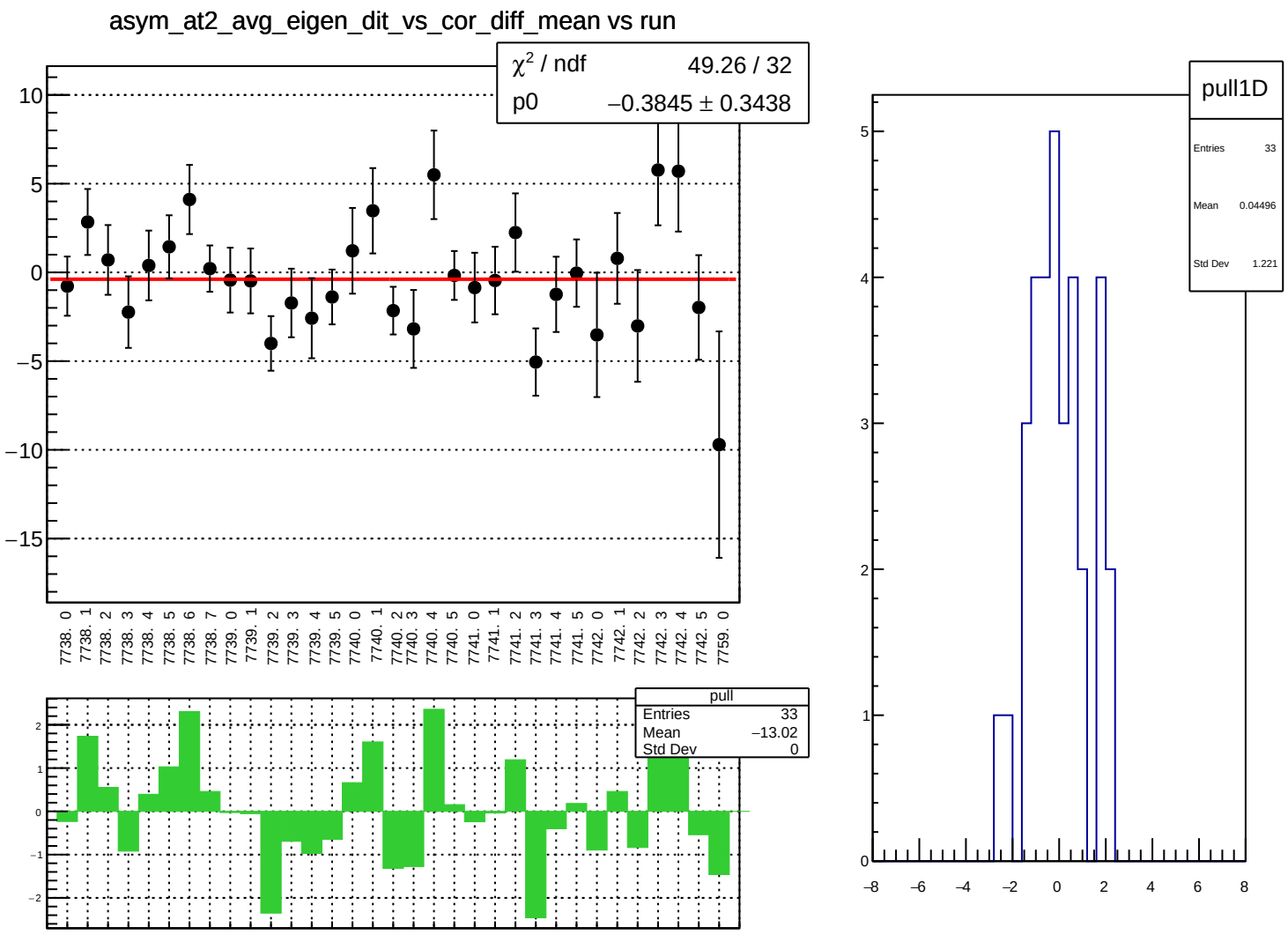

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.25 / 32
p0 −0.3846 ± 0.3439
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.02
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.04496
Std Dev 1.221
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

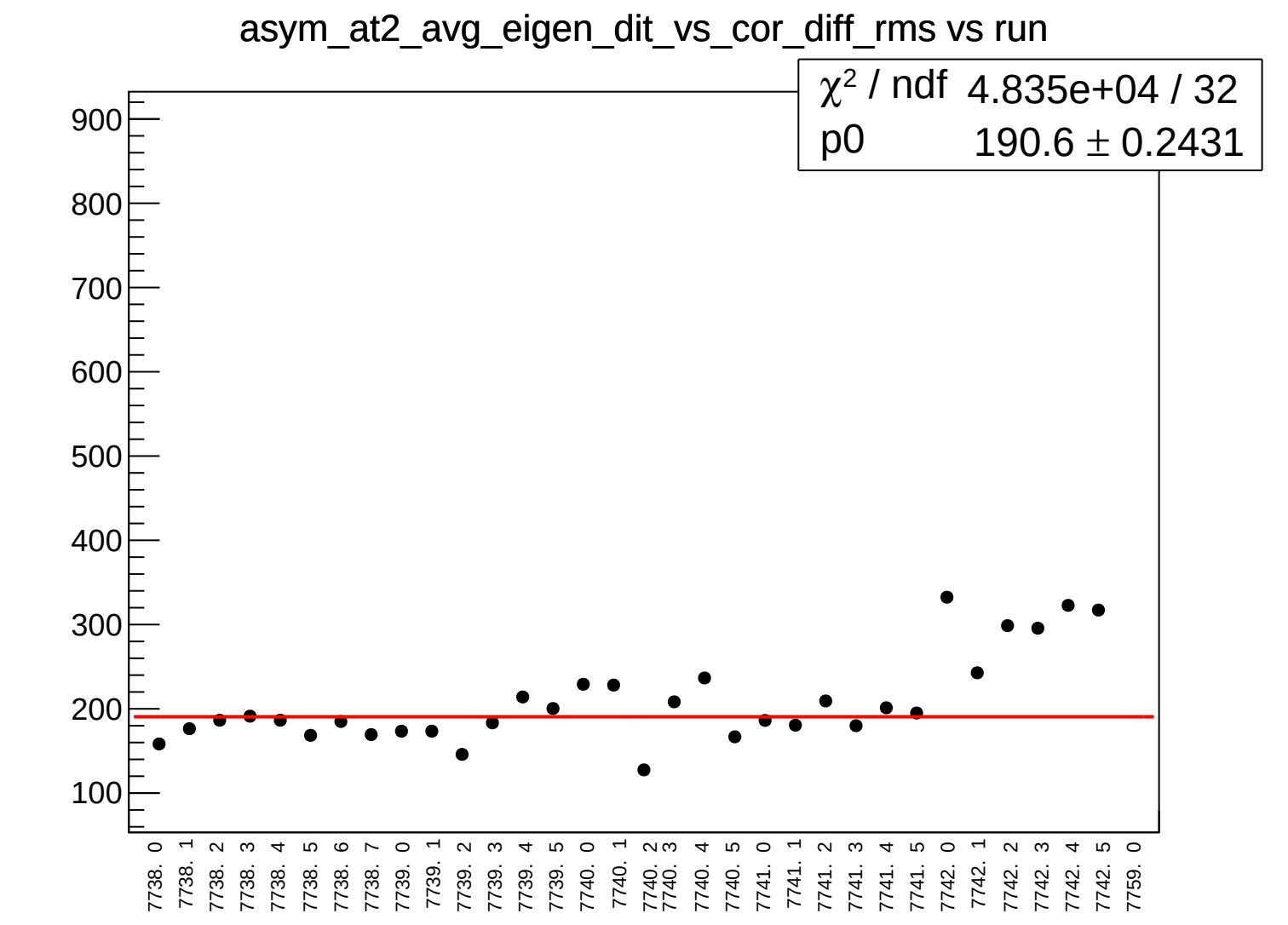

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.834e+04 / 32
p0 190.6 ± 0.2432
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

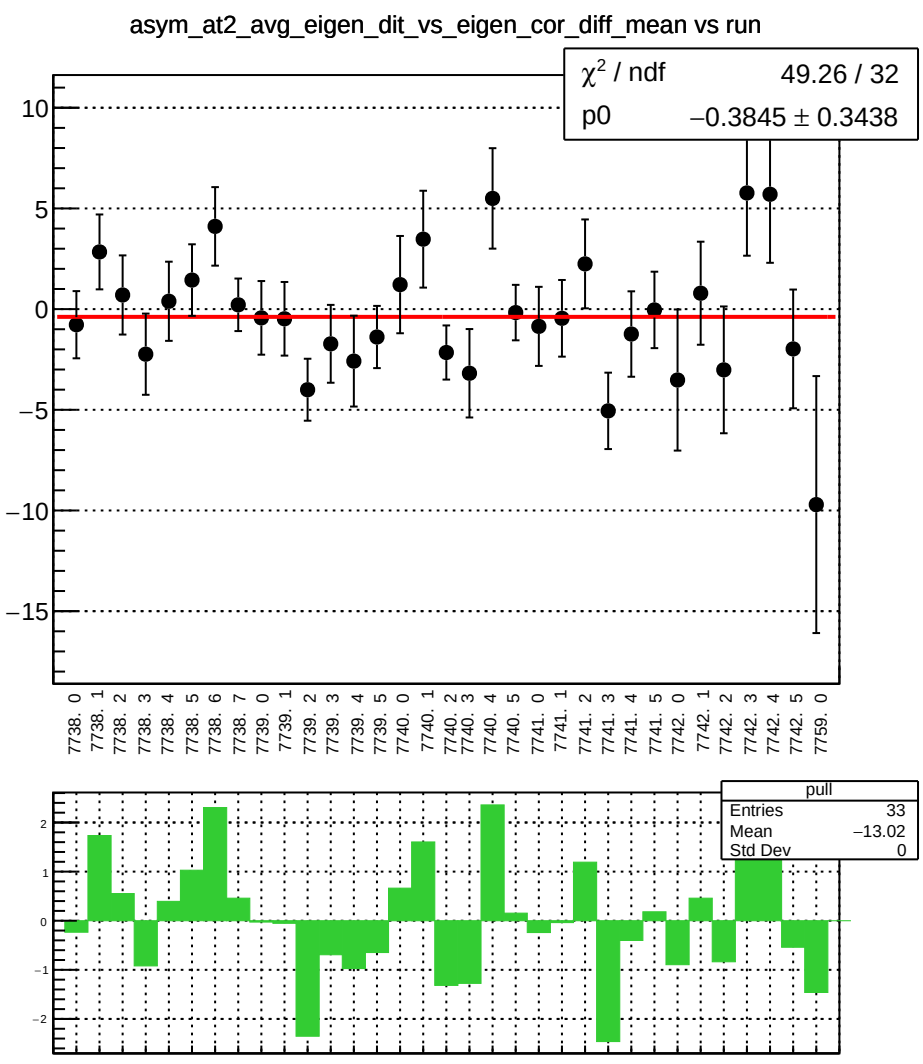

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 32.73 / 32
p0 5.155e−05 ± 6.894e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

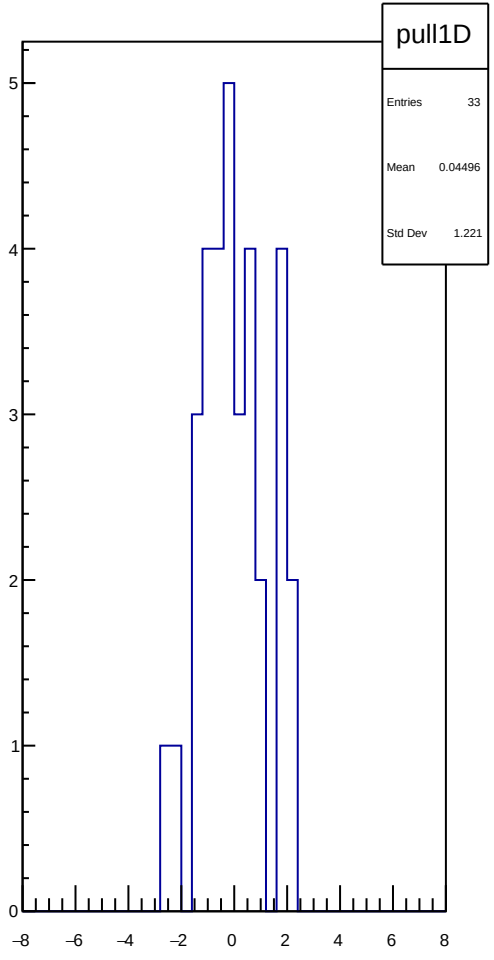

pull1D
Entries 33
Mean −0.02278
Std Dev 0.9957
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

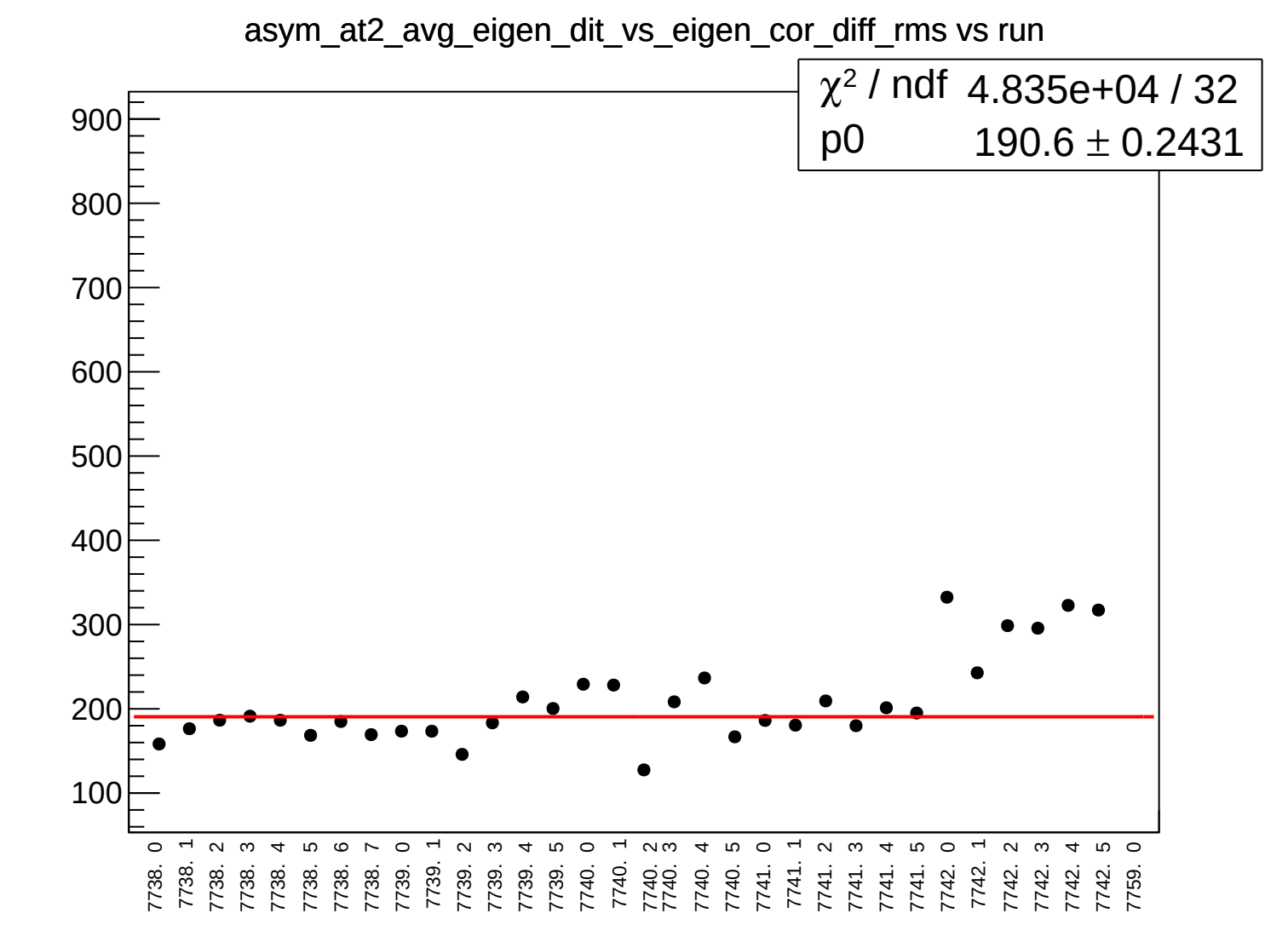

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.432e+04 / 32
p0 0.03708 ± 4.875e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

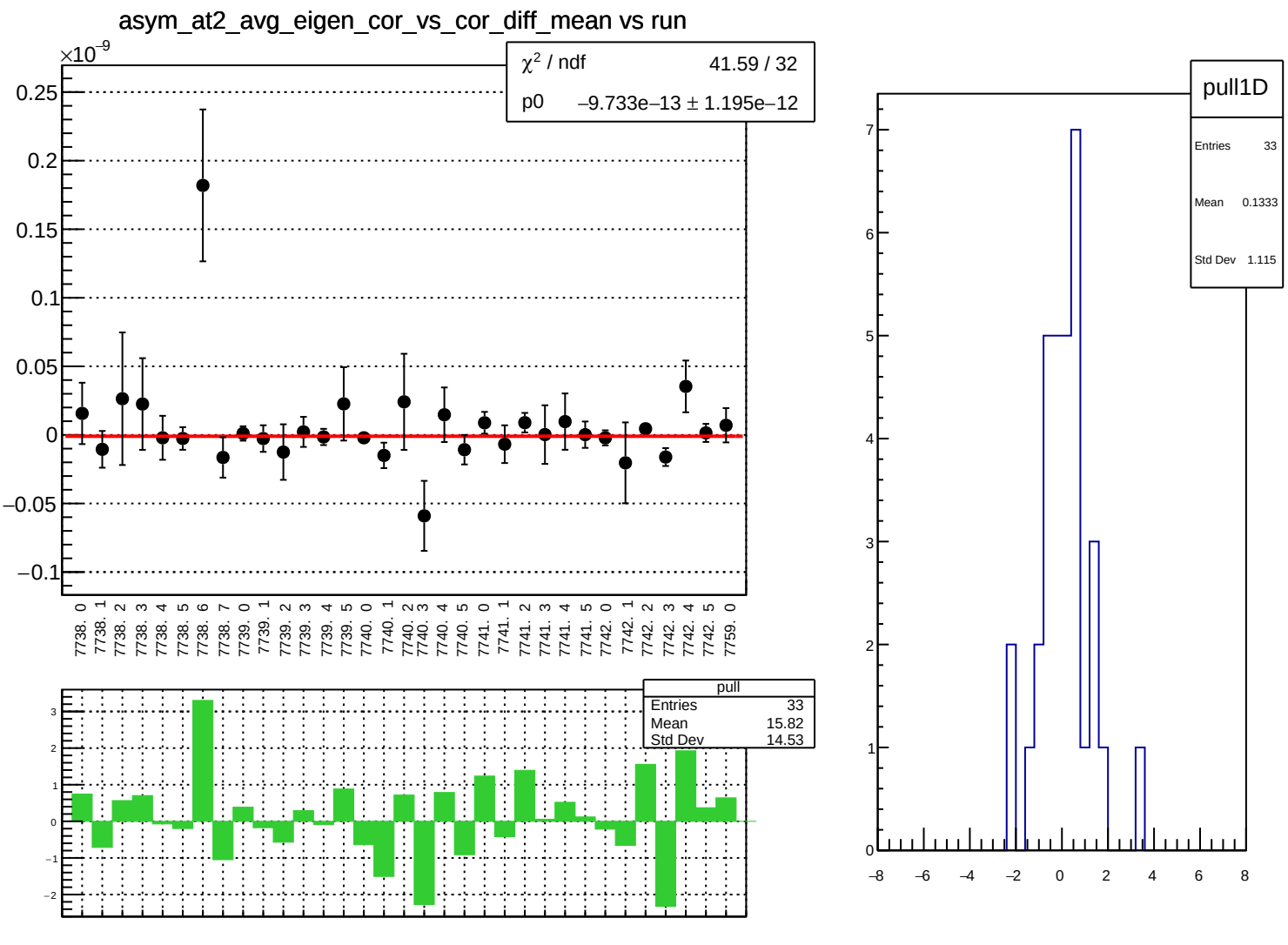

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.26 / 32
p0 −0.3845 ± 0.3438
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.02
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.04496
Std Dev 1.221
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

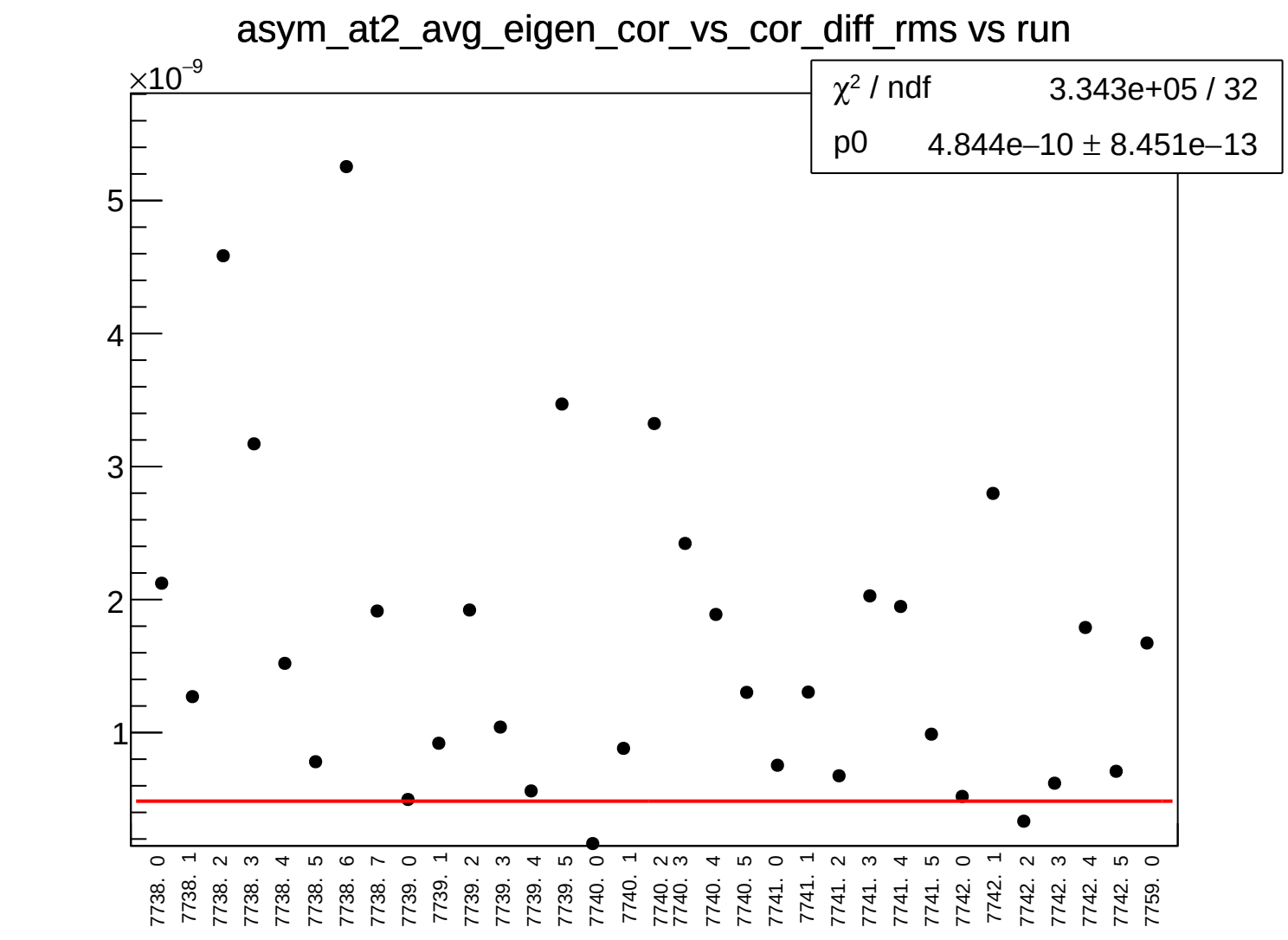

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.835e+04 / 32
p0 190.6 ± 0.2431
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

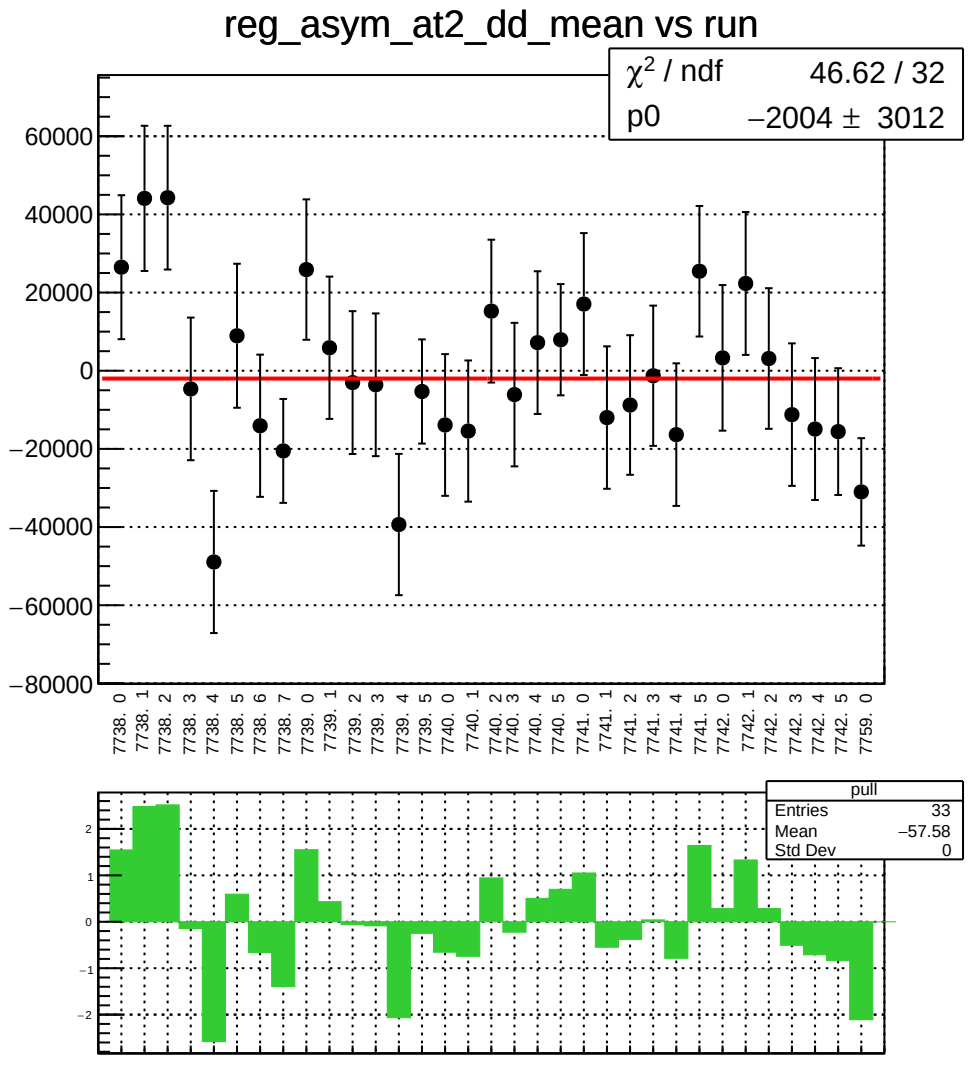

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.26 / 32
p0 −0.3845 ± 0.3438
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.02
Std Dev 0
2
1
0
−1
−2

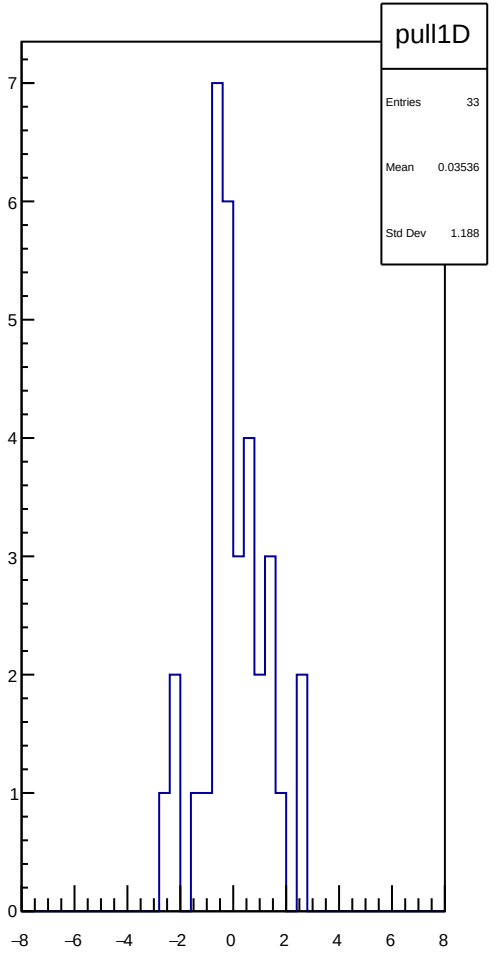

pull1D
Entries 33
Mean 0.04496
Std Dev 1.221
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

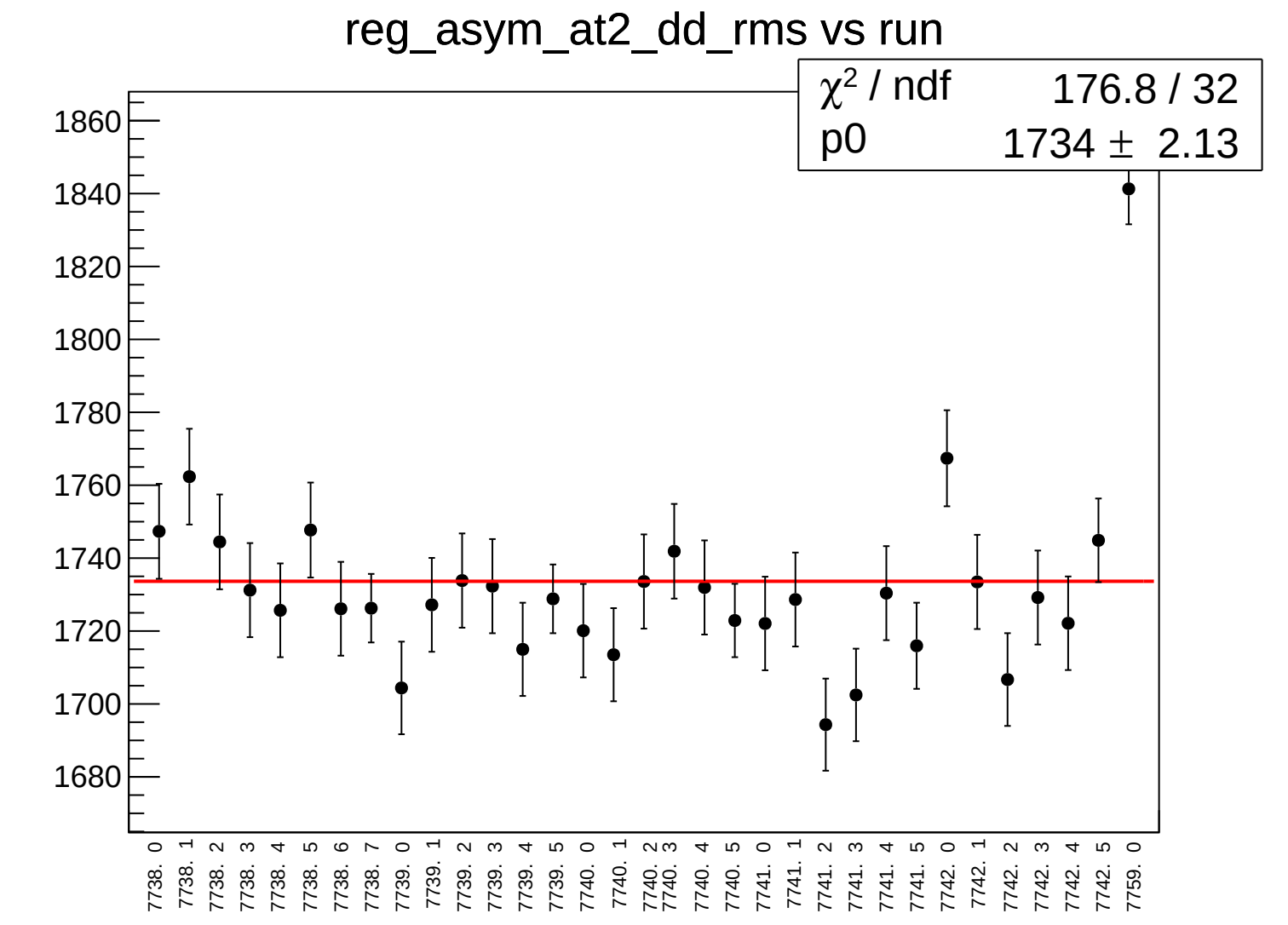

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.835e+04 / 32
p0 190.6 ± 0.2431
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

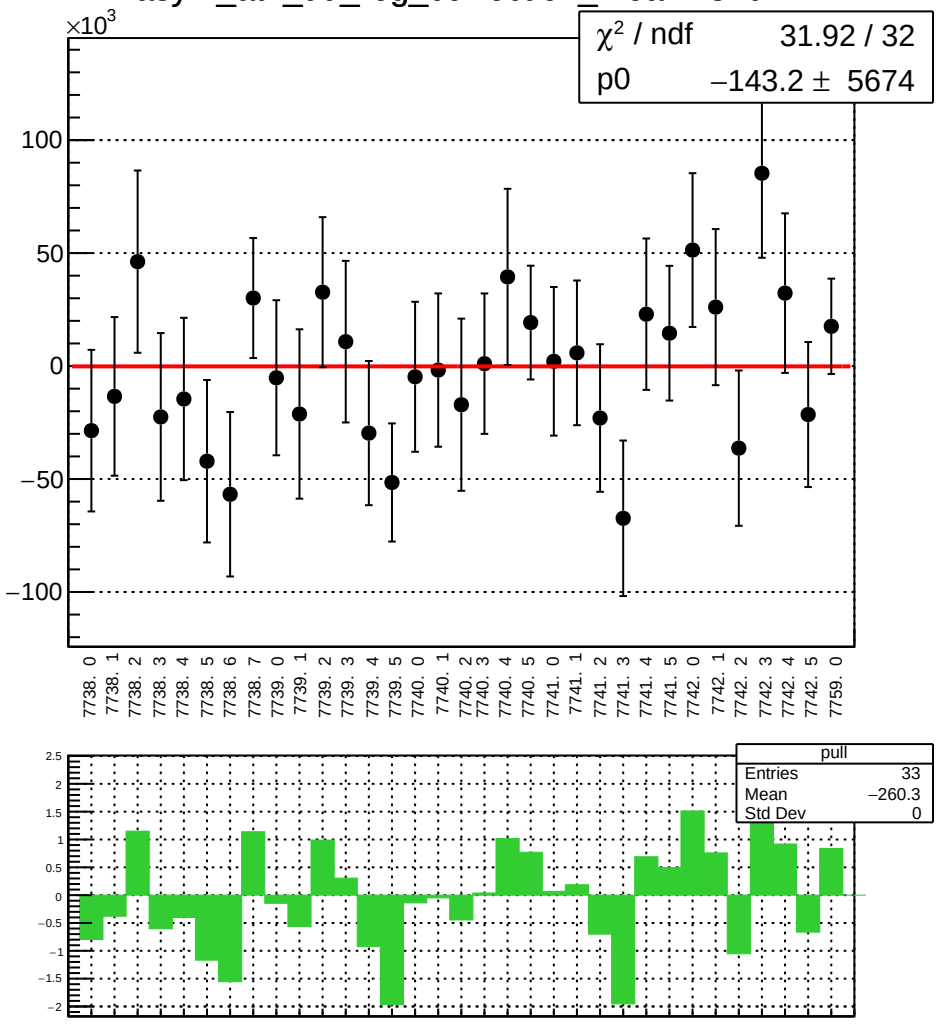

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 41.59 / 32
p0 −9.733e−13 ± 1.195e−12
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.82
Std Dev 14.53
pull1D
Entries 33
Mean 0.1333
Std Dev 1.115

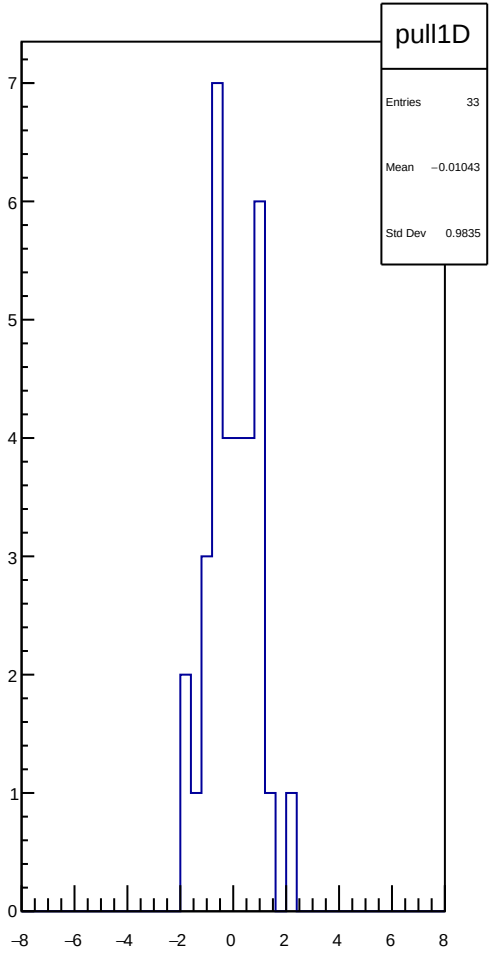

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.343e+05 / 32
p0 4.844e−10 ± 8.451e−13
5
4
3
2
1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

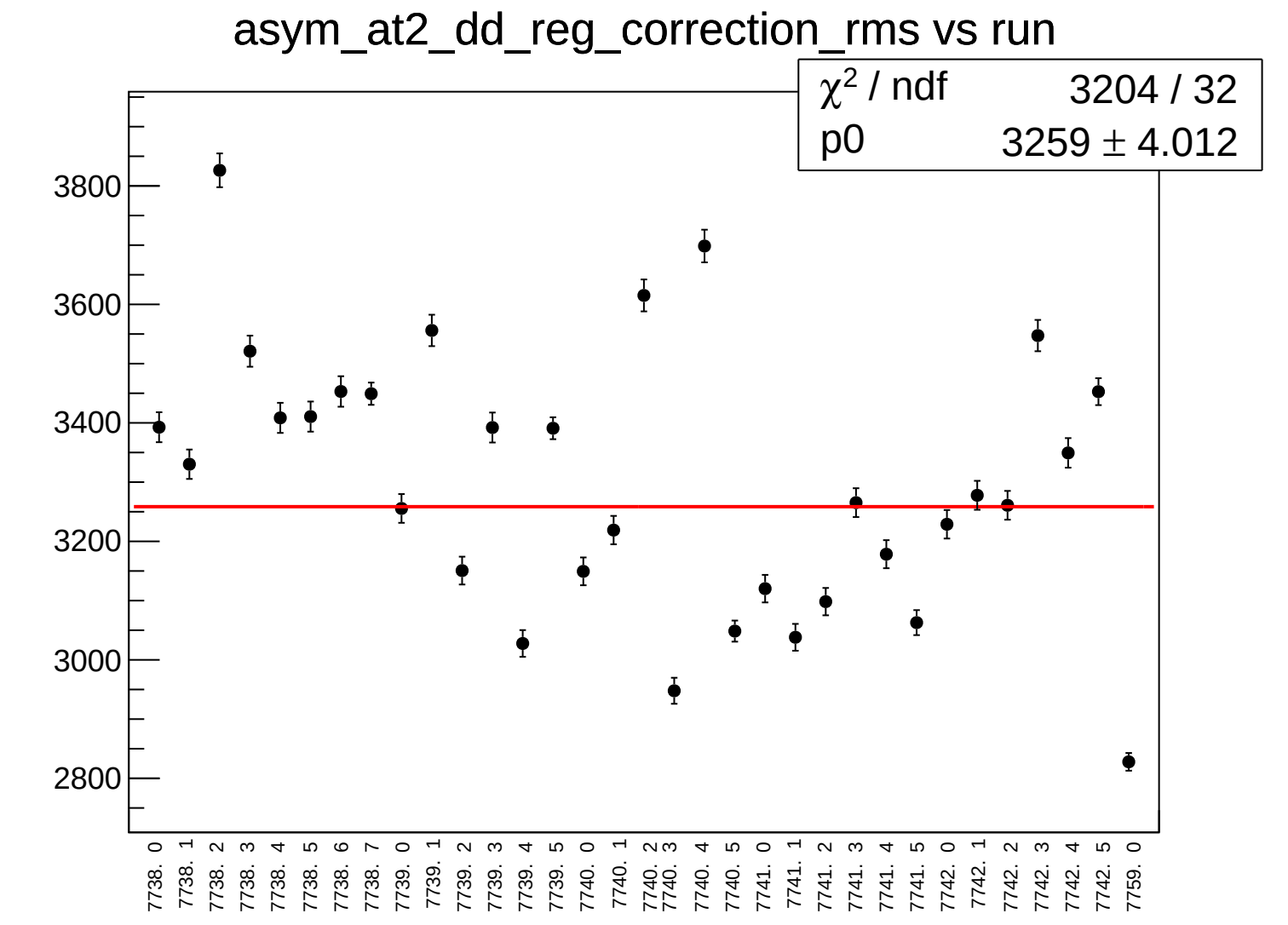

reg_asym_at2_dd_mean vs run
χ² / ndf 46.62 / 32
p0 −2004 ± 3012
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.58
Std Dev 0
2
1
0
−1
−2

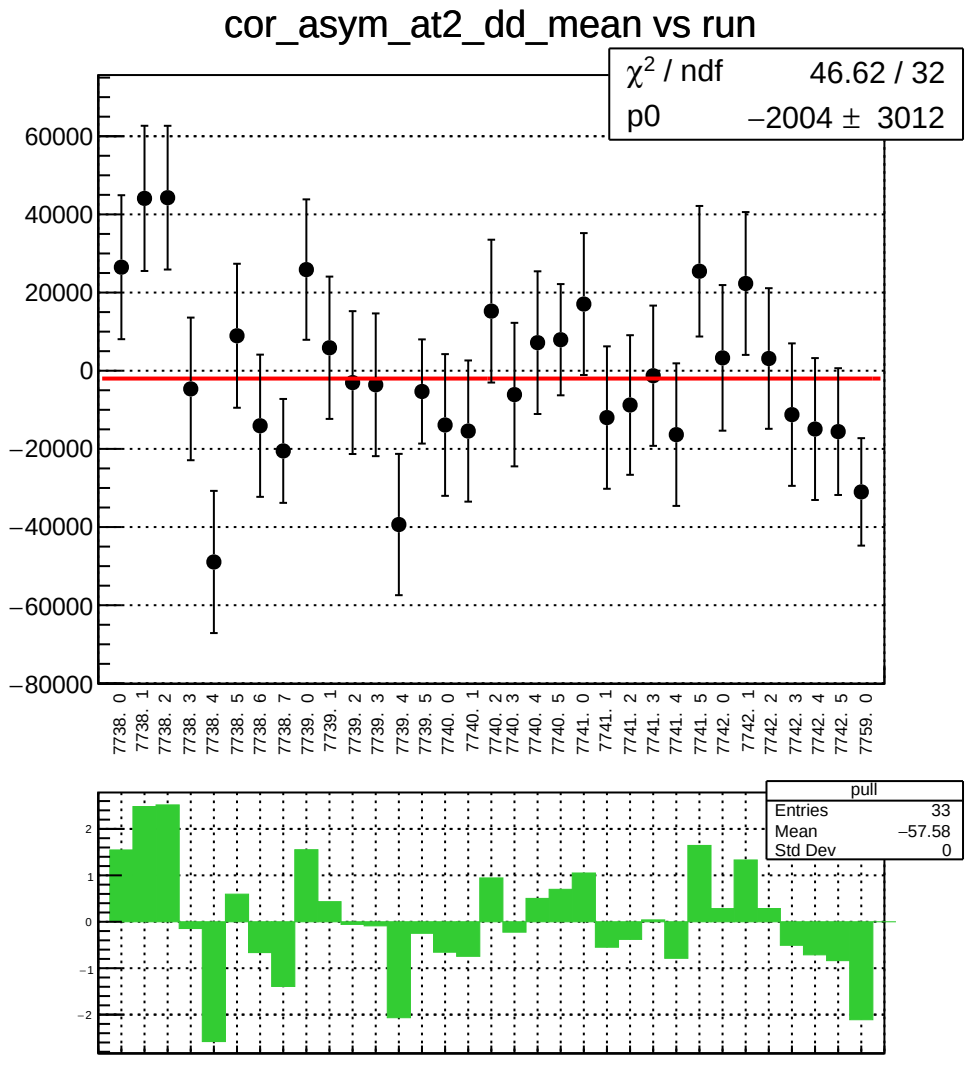

pull1D
Entries 33
Mean 0.03536
Std Dev 1.188
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

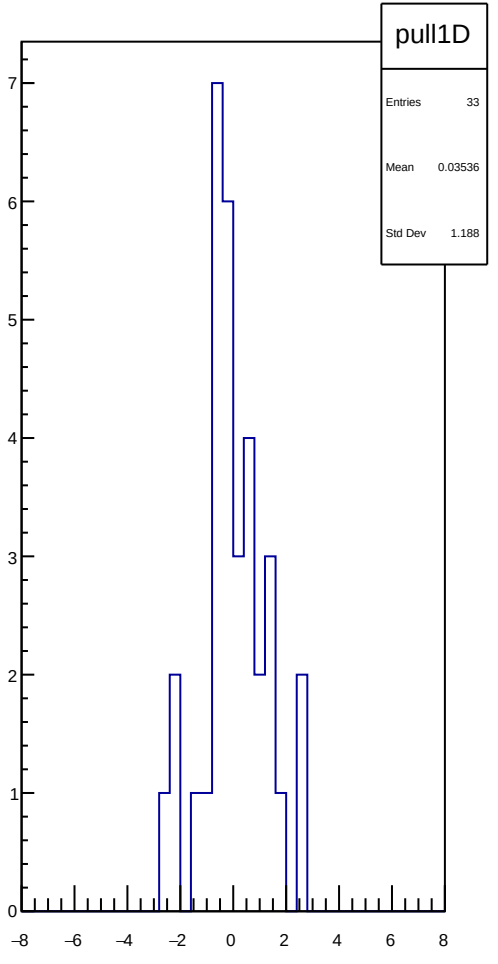

reg_asym_at2_dd_rms vs run
χ² / ndf 176.8 / 32
p0 1734 ± 2.13
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

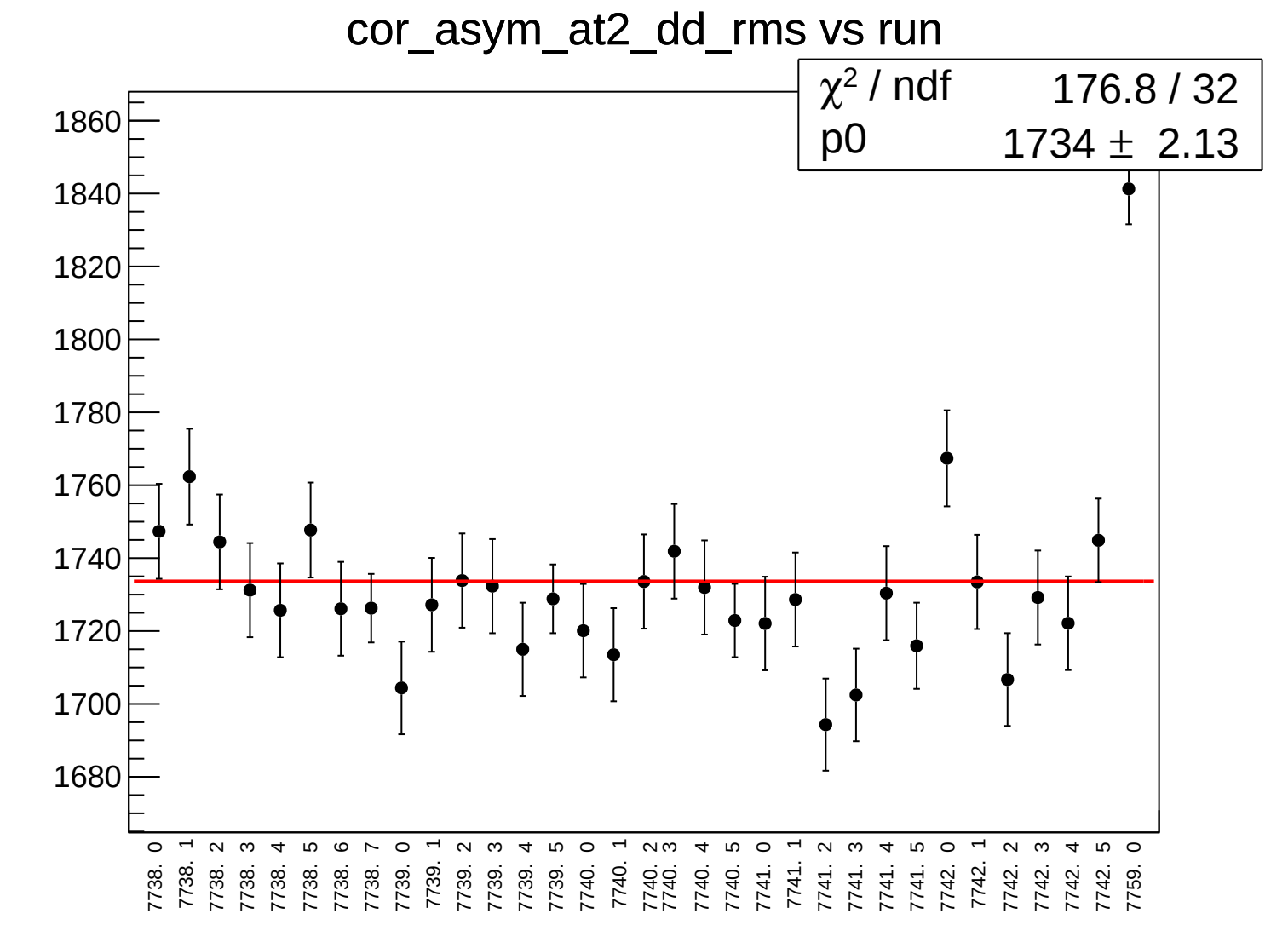

asym_at2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 31.92 / 32
p0 −143.2 ± 5674
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −260.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

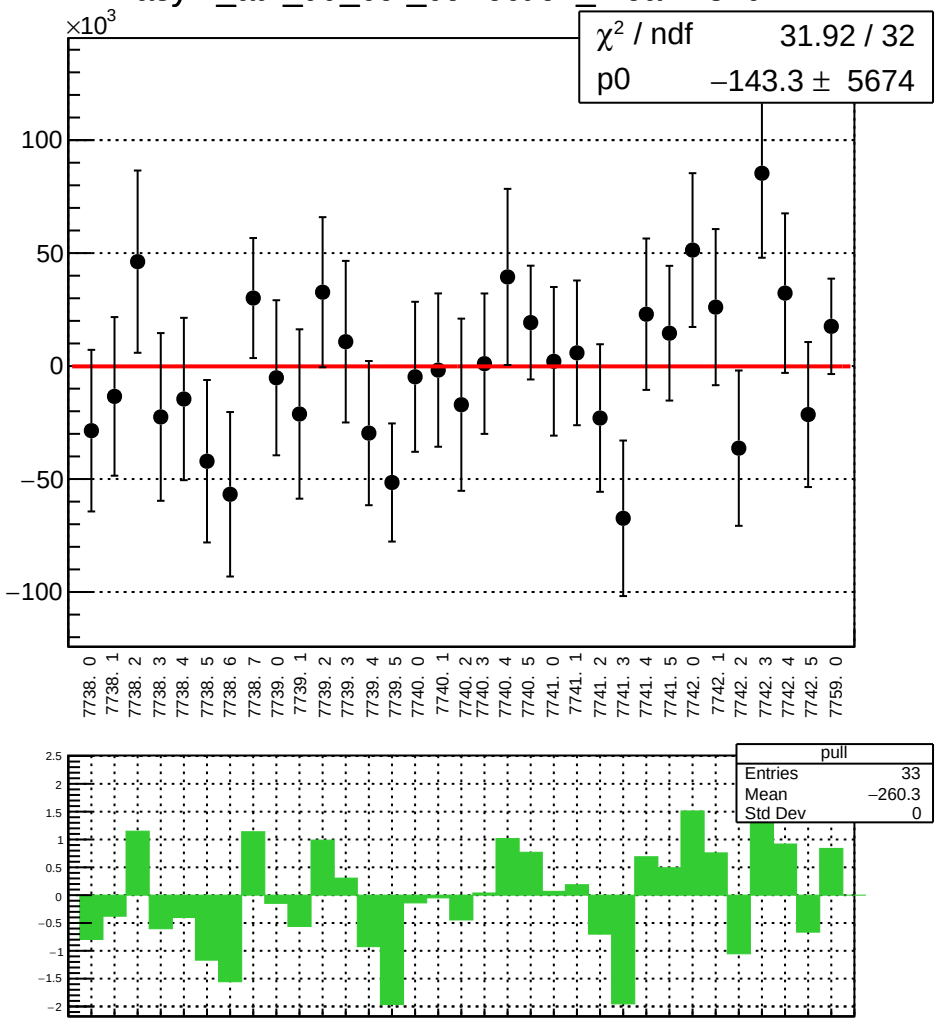

pull1D
Entries 33
Mean −0.01043
Std Dev 0.9835
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

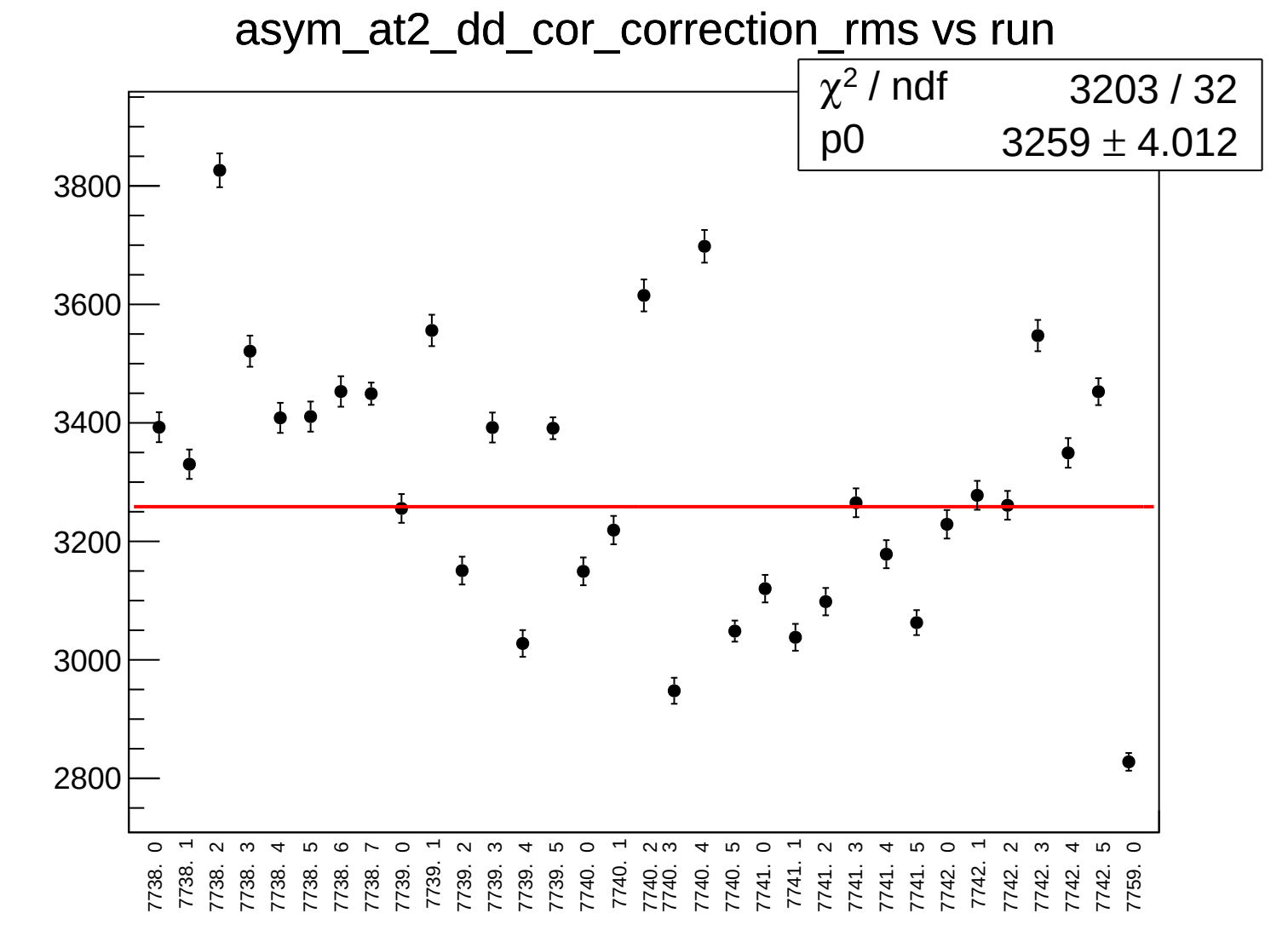

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 3204 / 32
p0 3259 ± 4.012
3800
3600
3400
3200
3000
2800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

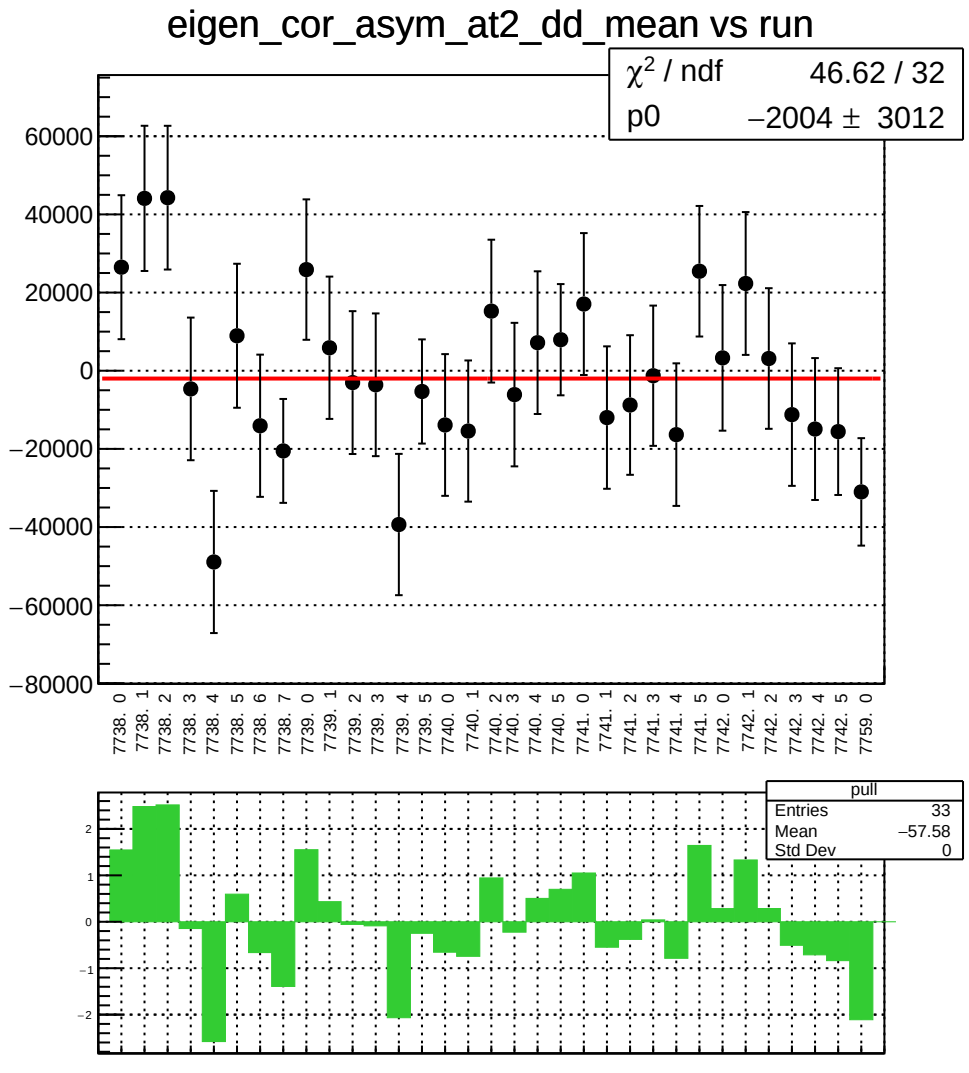

cor_asym_at2_dd_mean vs run
χ² / ndf 46.62 / 32
p0 −2004 ± 3012
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.58
Std Dev 0
2
1
0
−1
−2

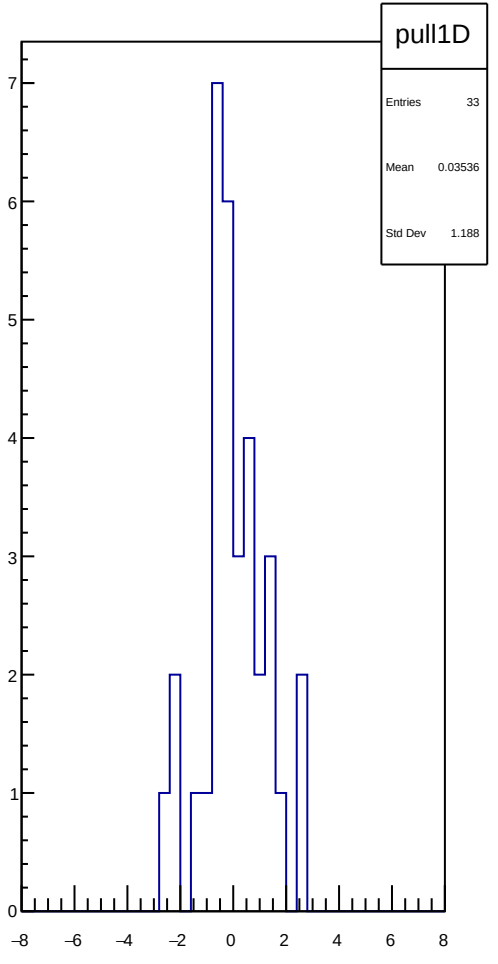

pull1D
Entries 33
Mean 0.03536
Std Dev 1.188
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

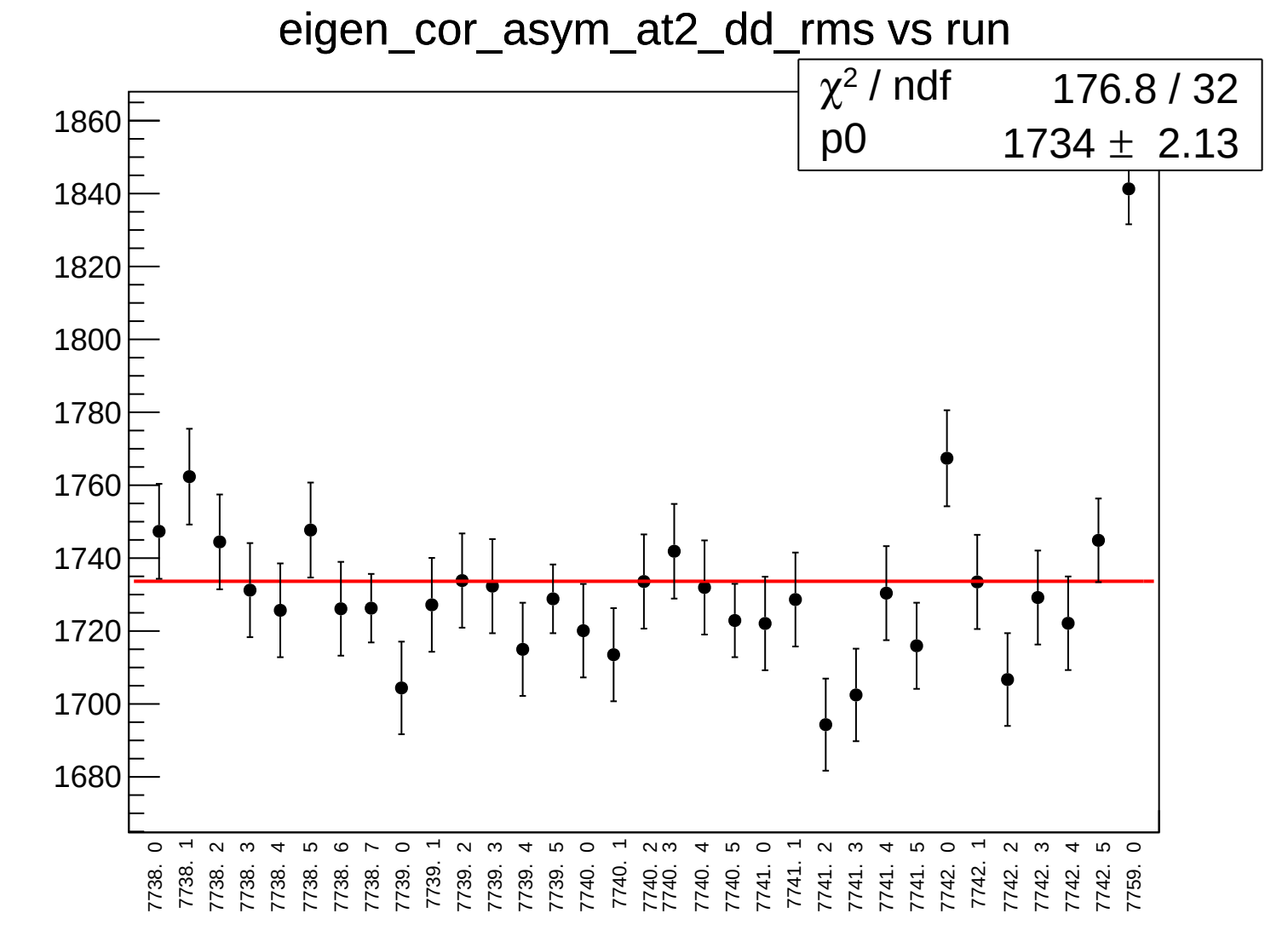

cor_asym_at2_dd_rms vs run
χ² / ndf 176.8 / 32
p0 1734 ± 2.13
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

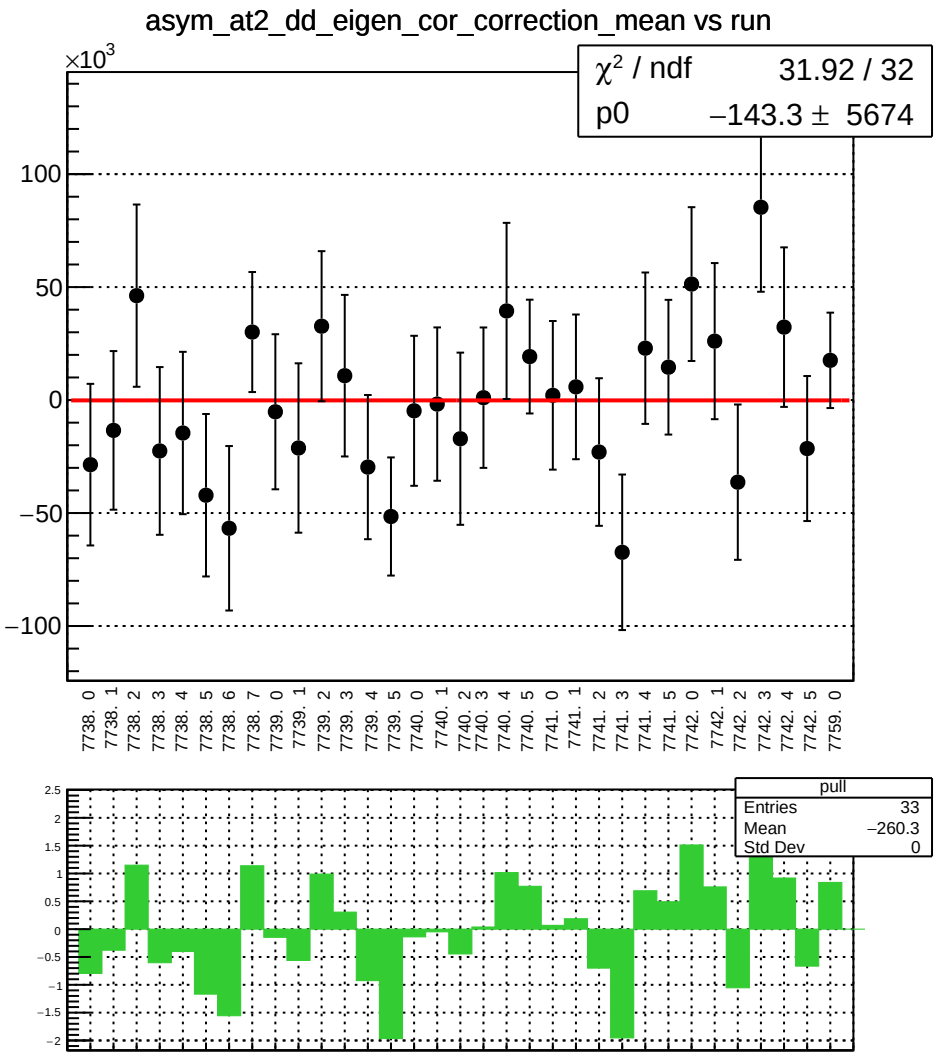

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 31.92 / 32
p0 −143.3 ± 5674
×10³
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −260.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01043
Std Dev 0.9835
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

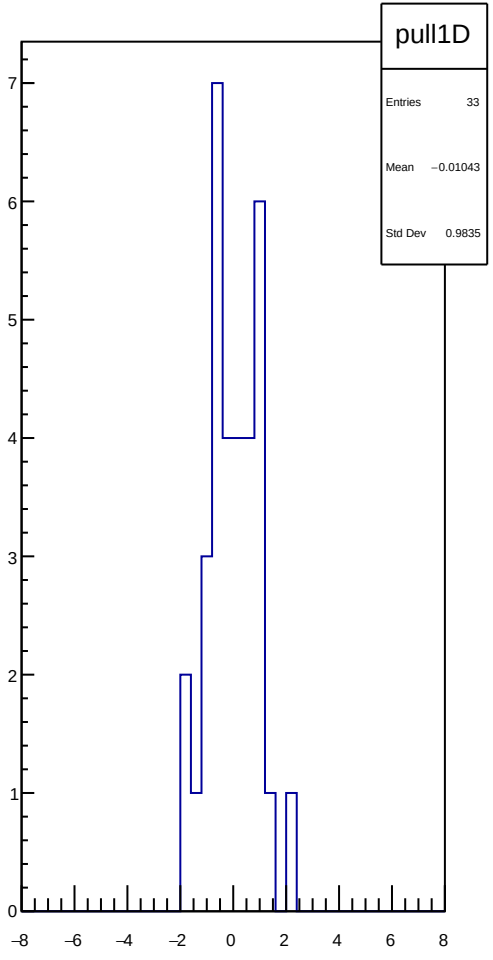

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 3203 / 32
p0 3259 ± 4.012
3800
3600
3400
3200
3000
2800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

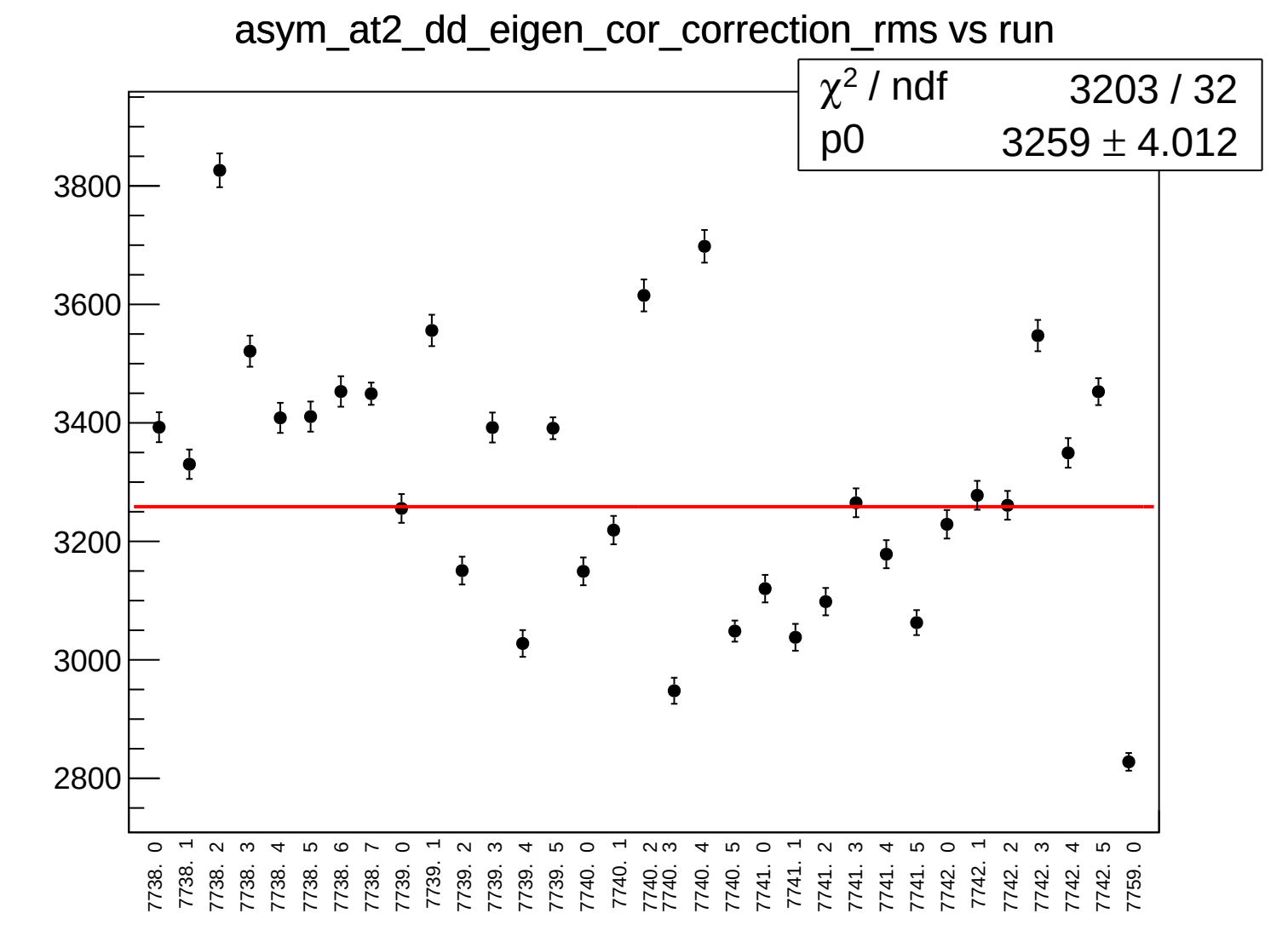

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 46.62 / 32
p0 −2004 ± 3012
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.58
Std Dev 0
2
1
0
−1
−2

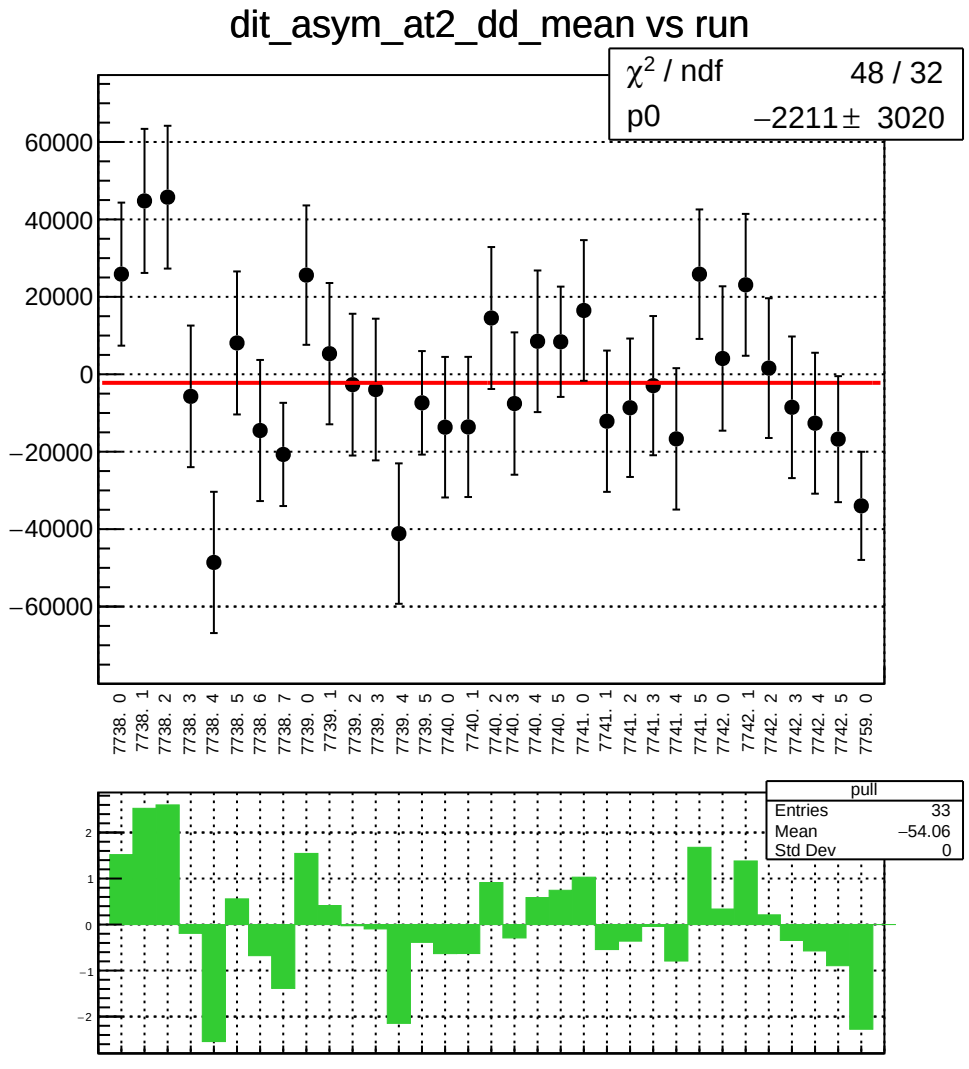

pull1D
Entries 33
Mean 0.03536
Std Dev 1.188
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

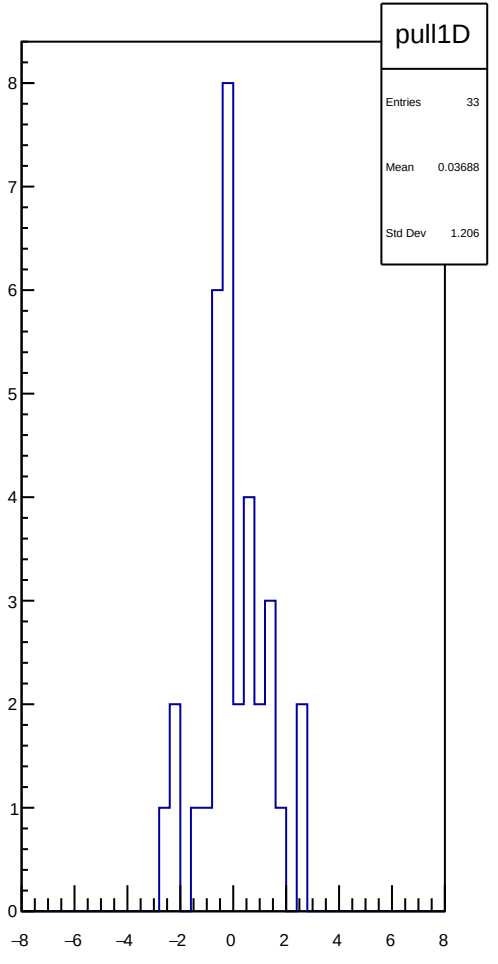

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 176.8 / 32
p0 1734 ± 2.13
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

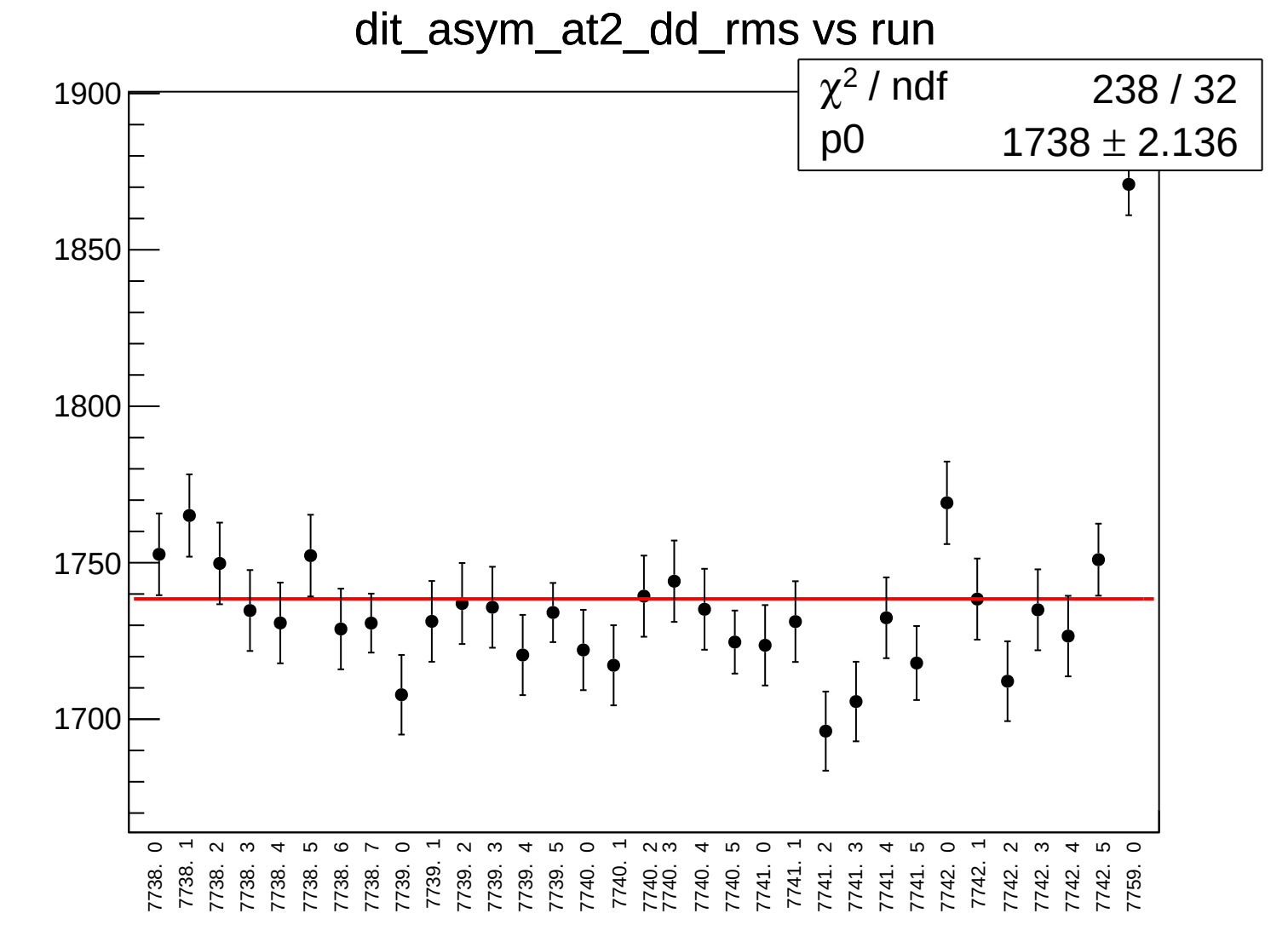

asym_at2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.92 / 32
p0 −143.3 ± 5674
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −260.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

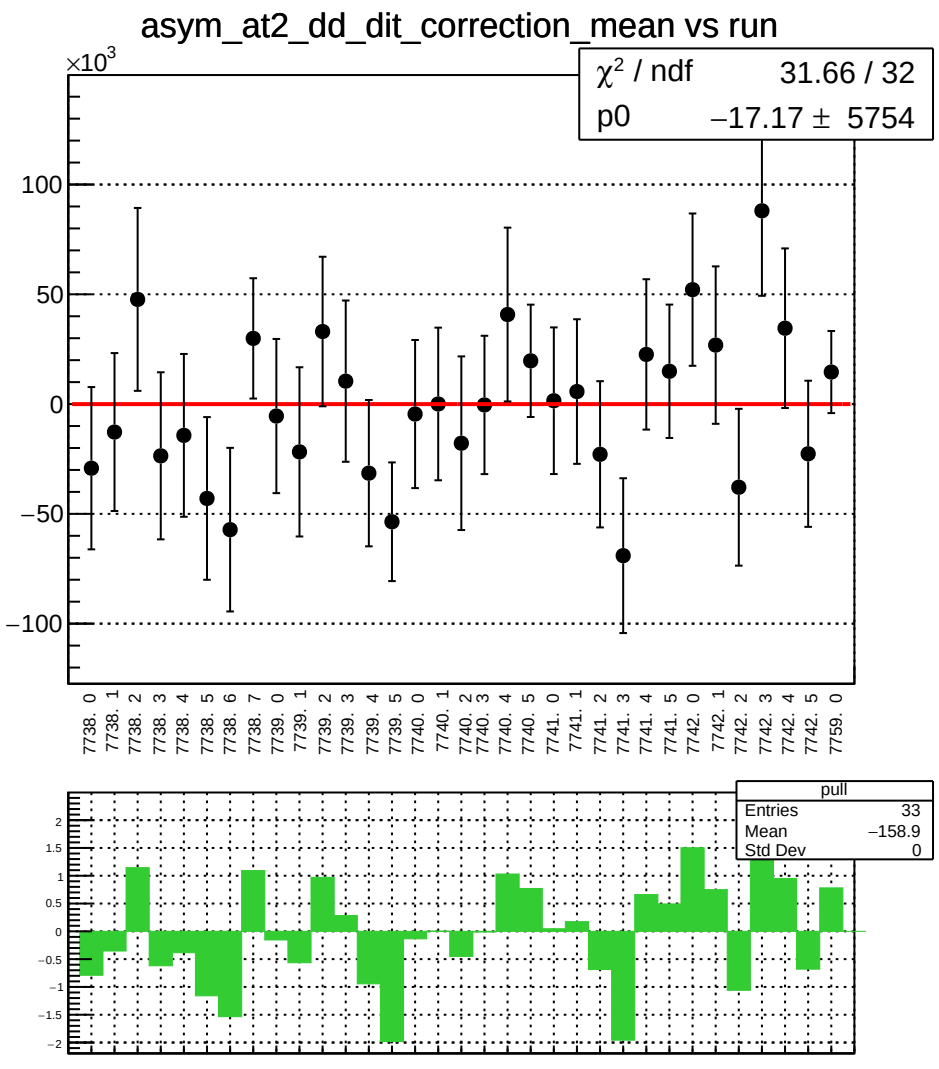

pull1D
Entries 33
Mean −0.01043
Std Dev 0.9835
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

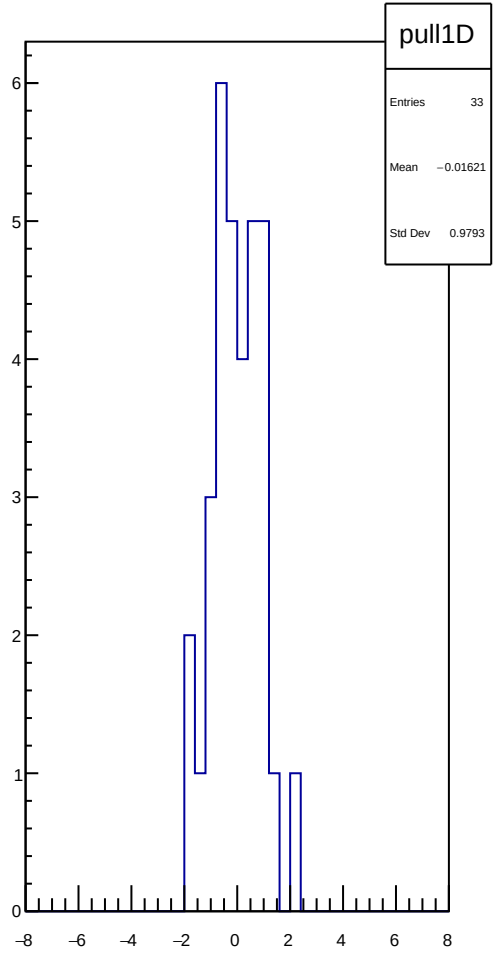

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3203 / 32
p0 3259 ± 4.012
3800
3600
3400
3200
3000
2800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

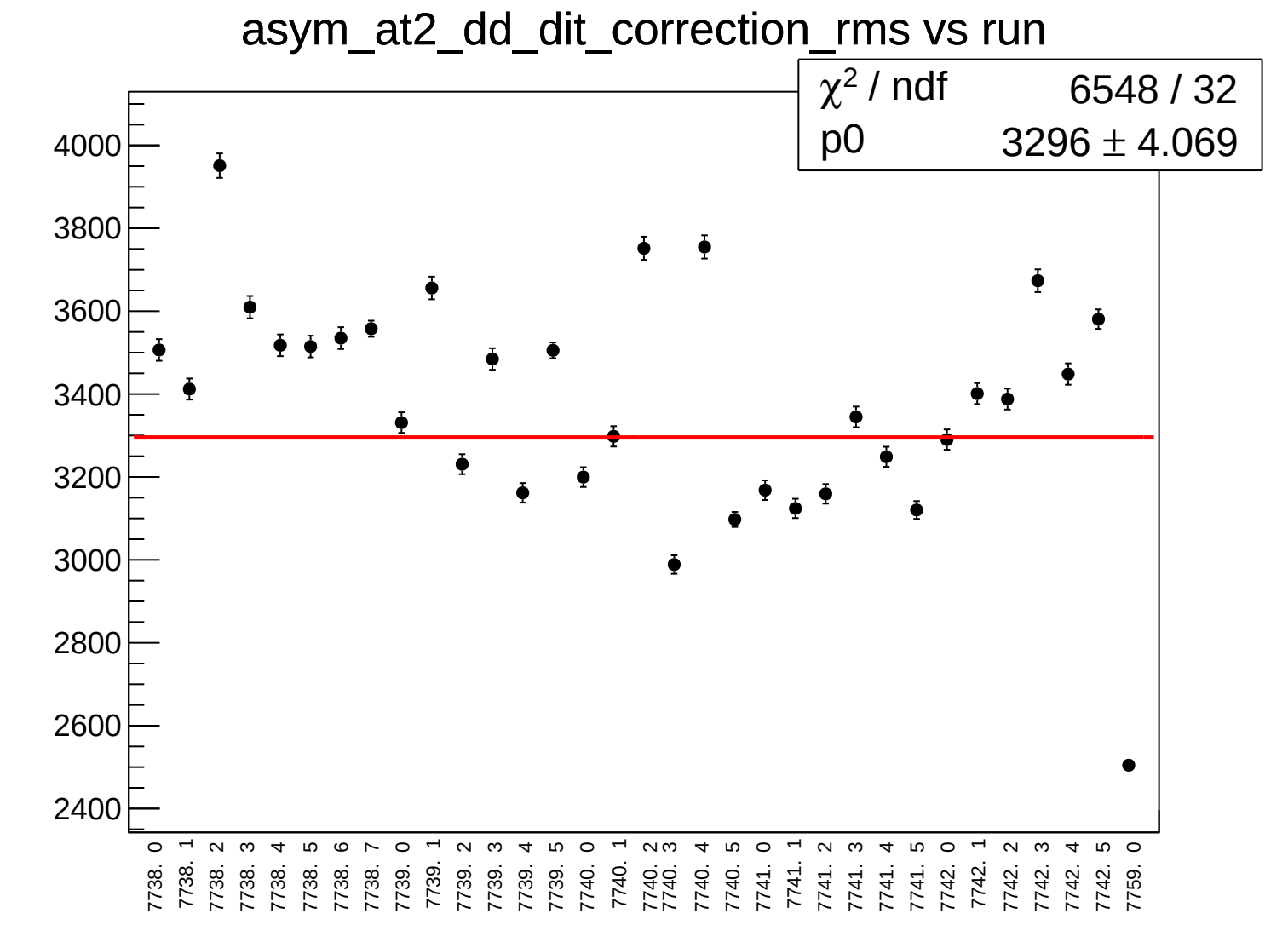

dit_asym_at2_dd_mean vs run
χ² / ndf 48 / 32
p0 −2211 ± 3020
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −54.06
Std Dev 0
2
1
0
−1
−2

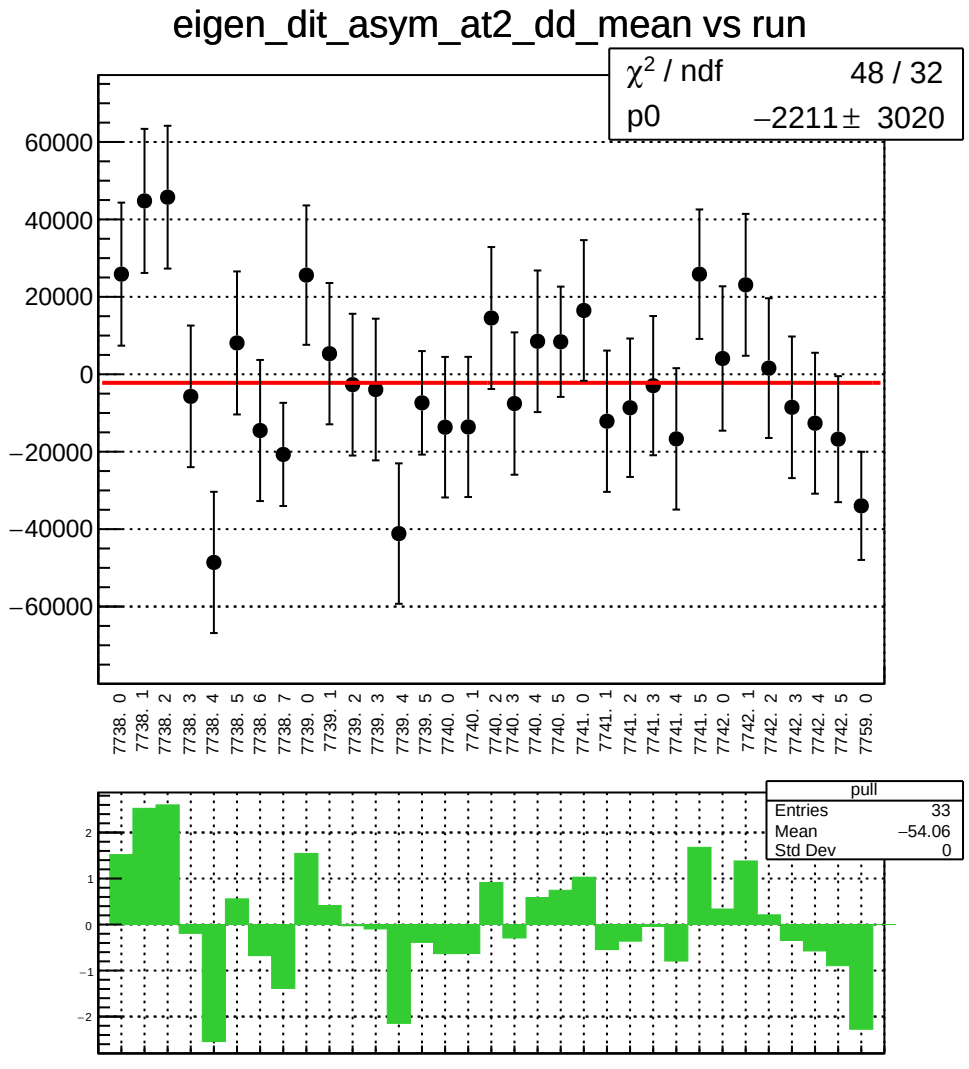

pull1D
Entries 33
Mean 0.03688
Std Dev 1.206
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

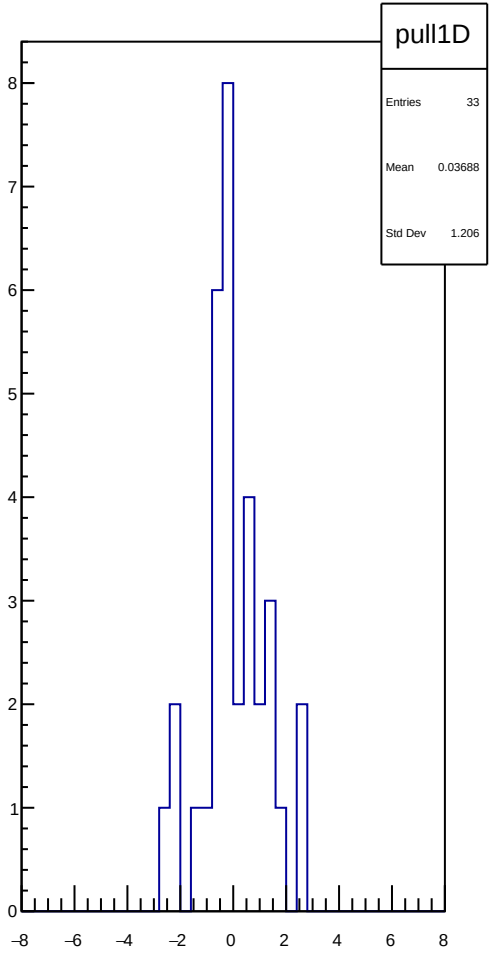

dit_asym_at2_dd_rms vs run
χ² / ndf 238 / 32
p0 1738 ± 2.136
1900
1850
1800
1750
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

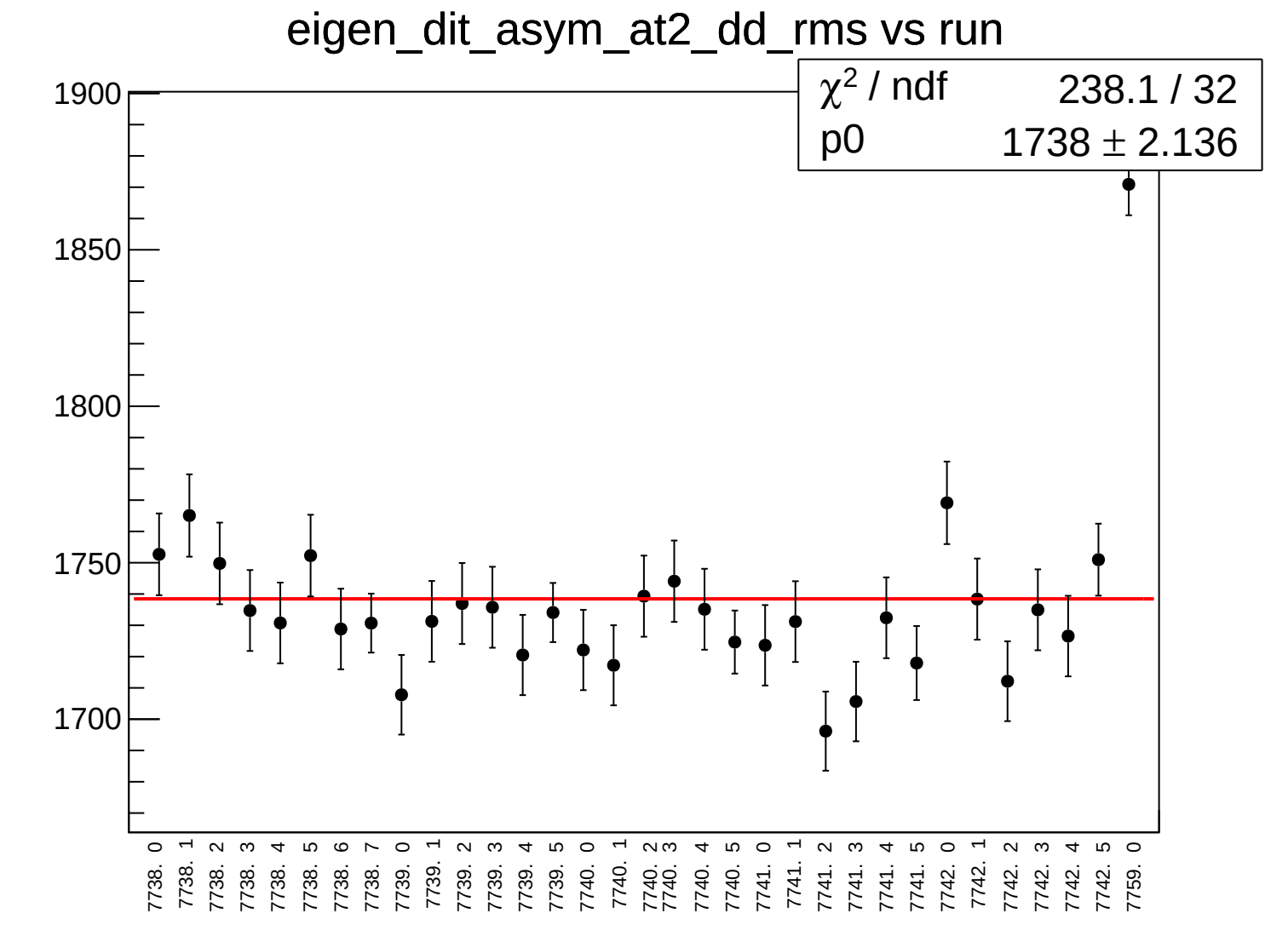

asym_at2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 31.66 / 32
p0 −17.17 ± 5754
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −158.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

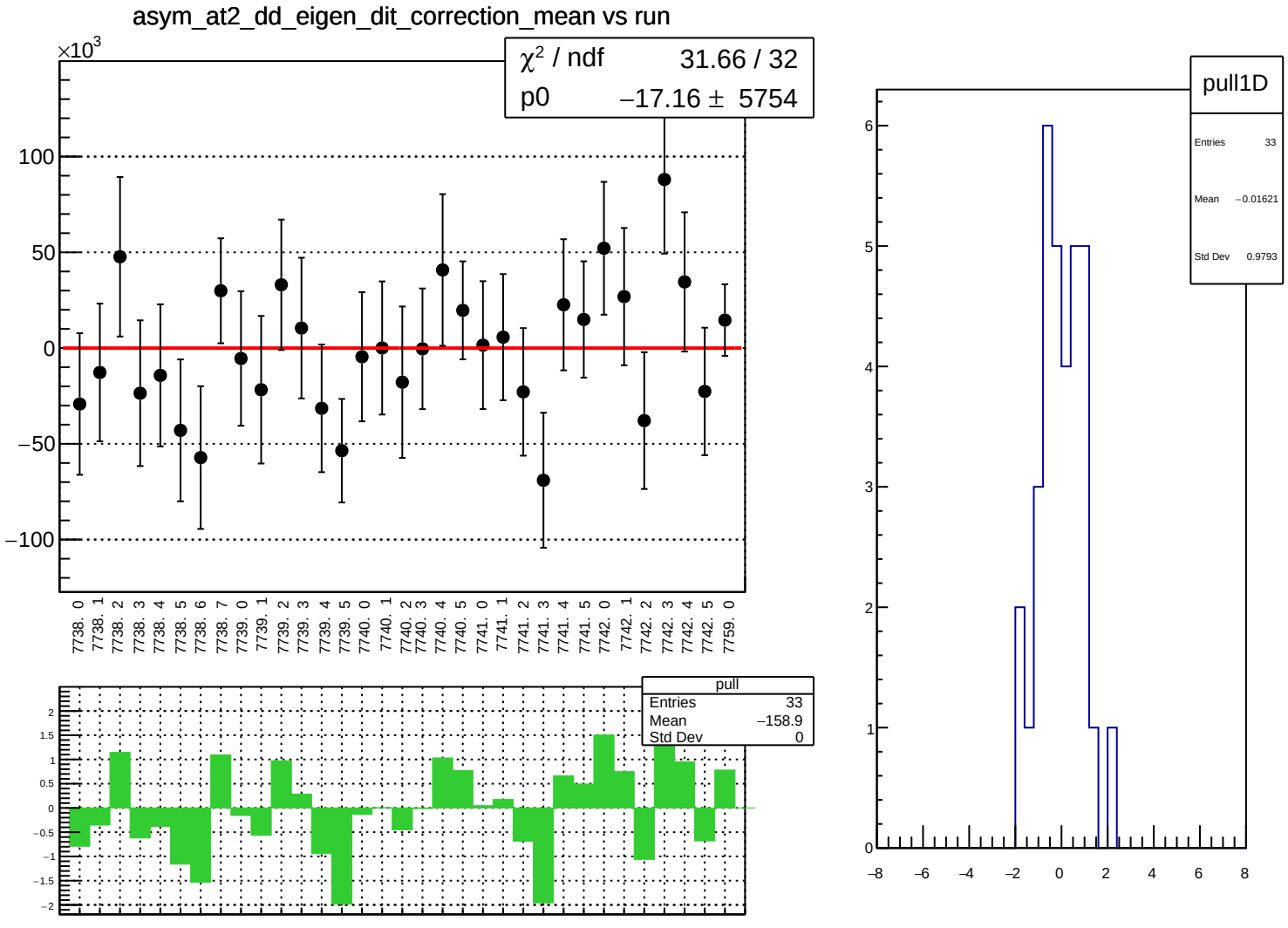

pull1D
Entries 33
Mean −0.01621
Std Dev 0.9793
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

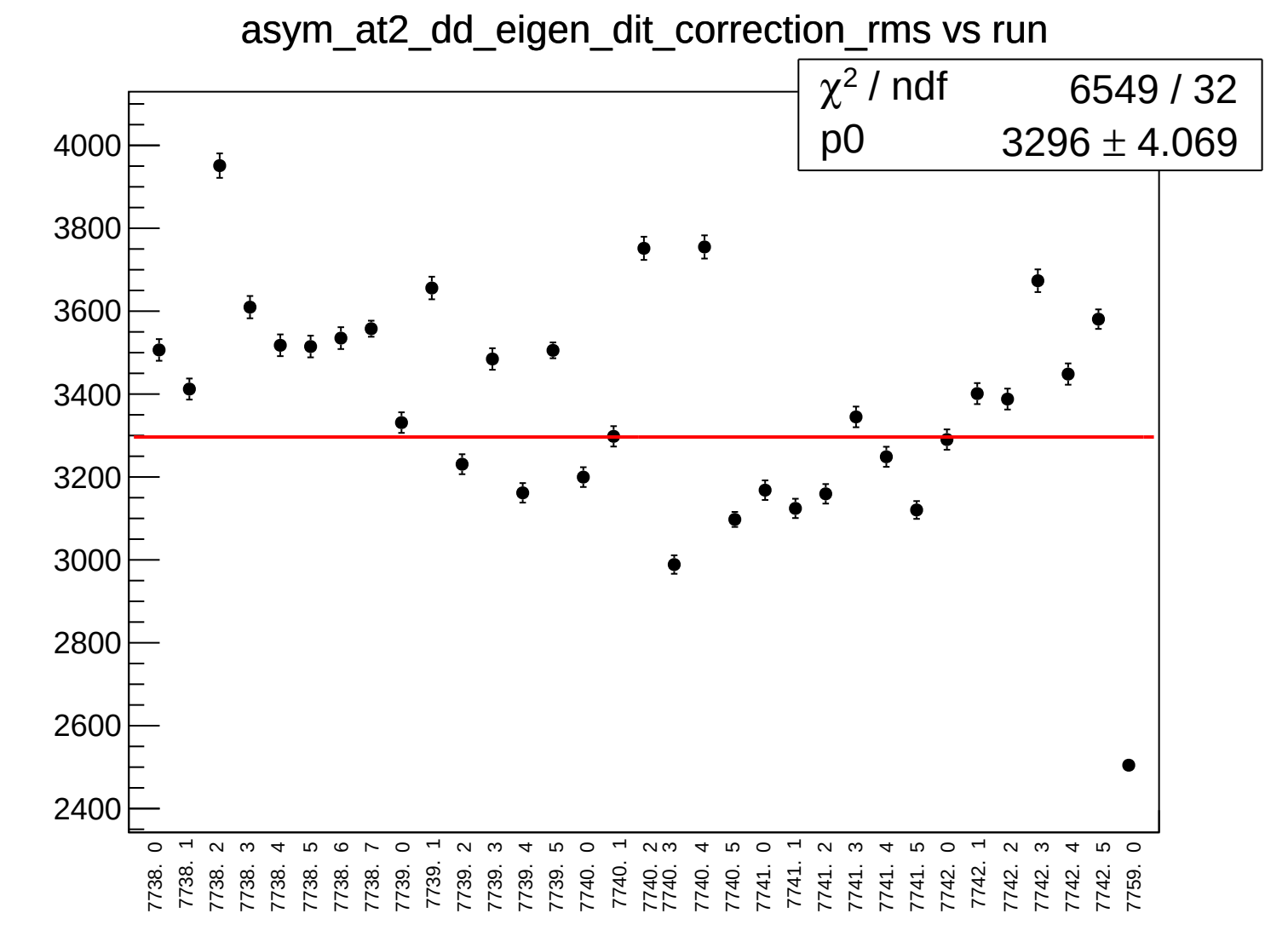

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 6548 / 32
p0 3296 ± 4.069
4000
3800
3600
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

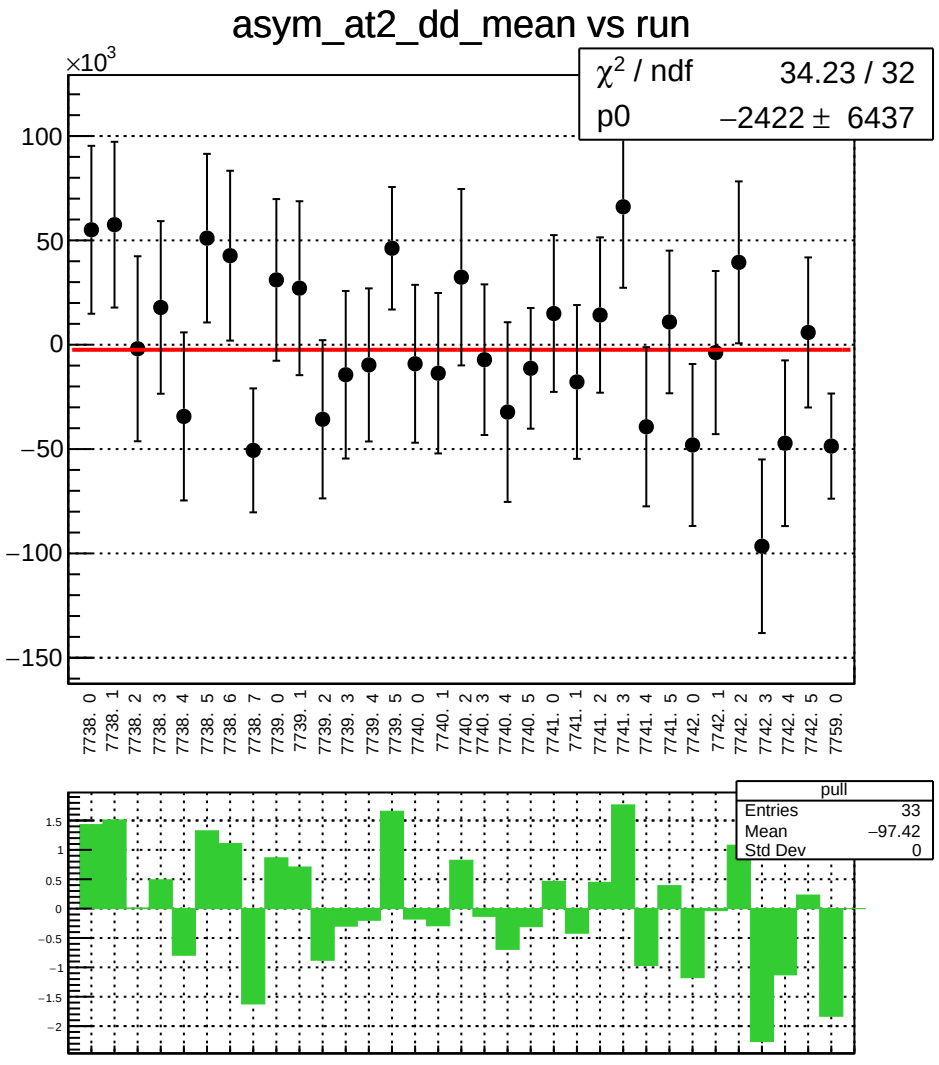

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 48 / 32
p0 −2211 ± 3020
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −54.06
Std Dev 0
2
1
0
−1
−2

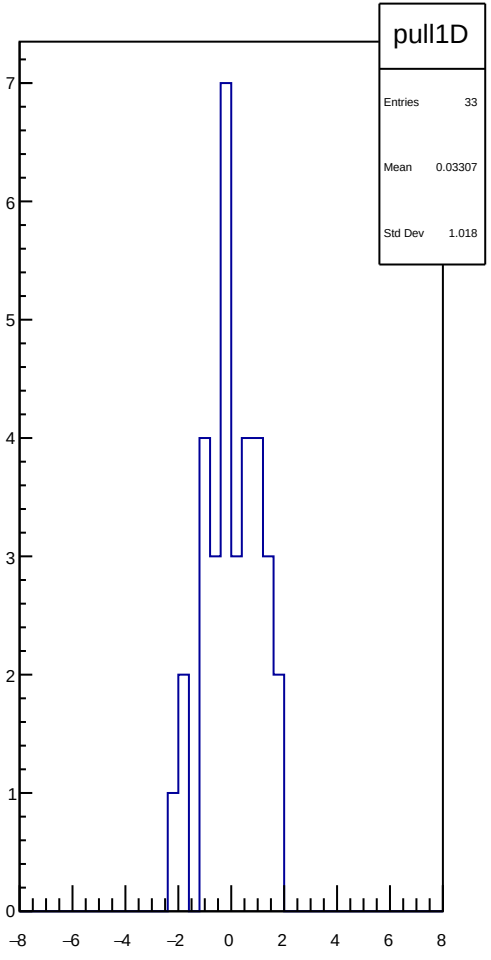

pull1D
Entries 33
Mean 0.03688
Std Dev 1.206
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

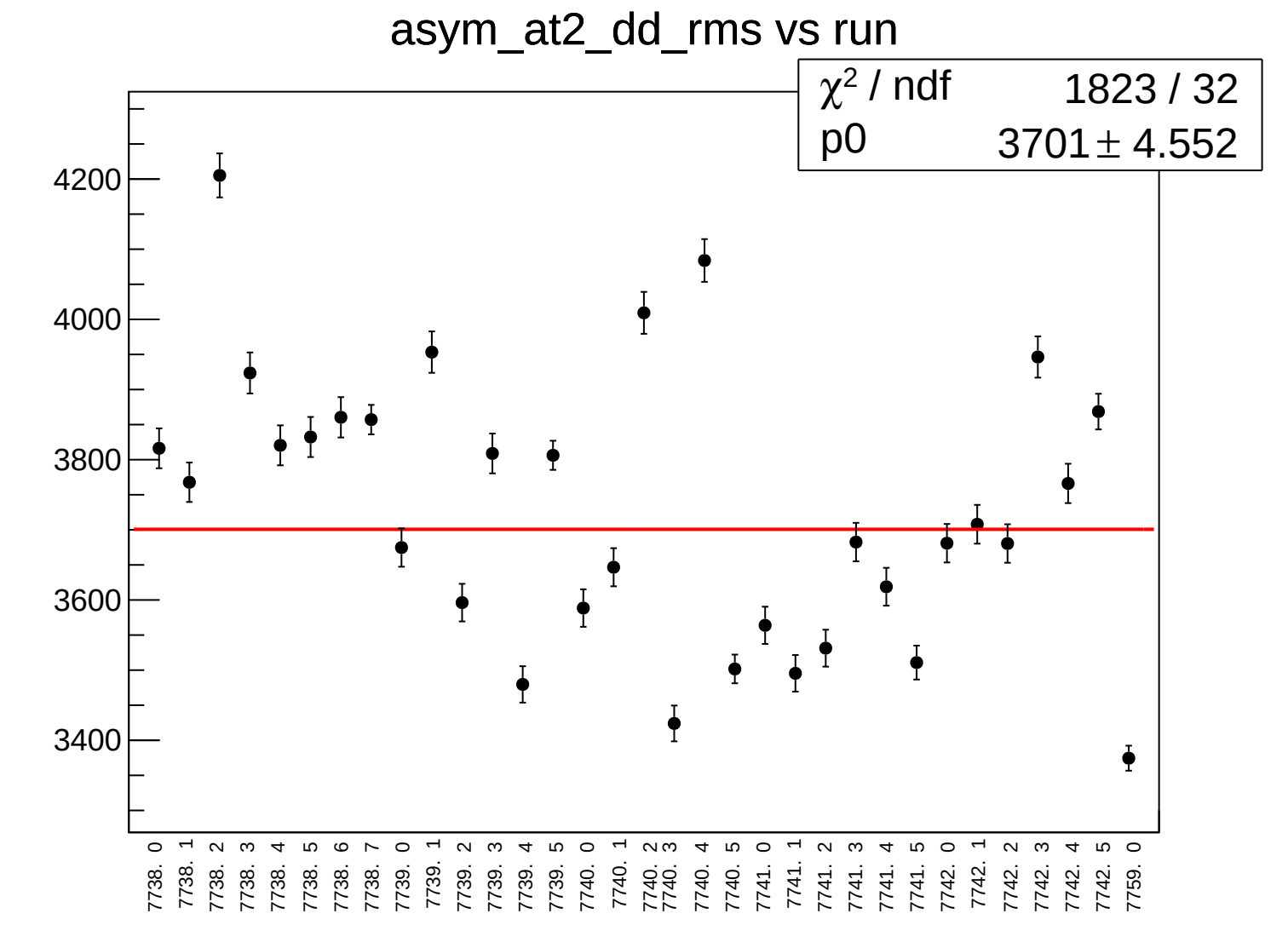

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 238.1 / 32
p0 1738 ± 2.136
1900
1850
1800
1750
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

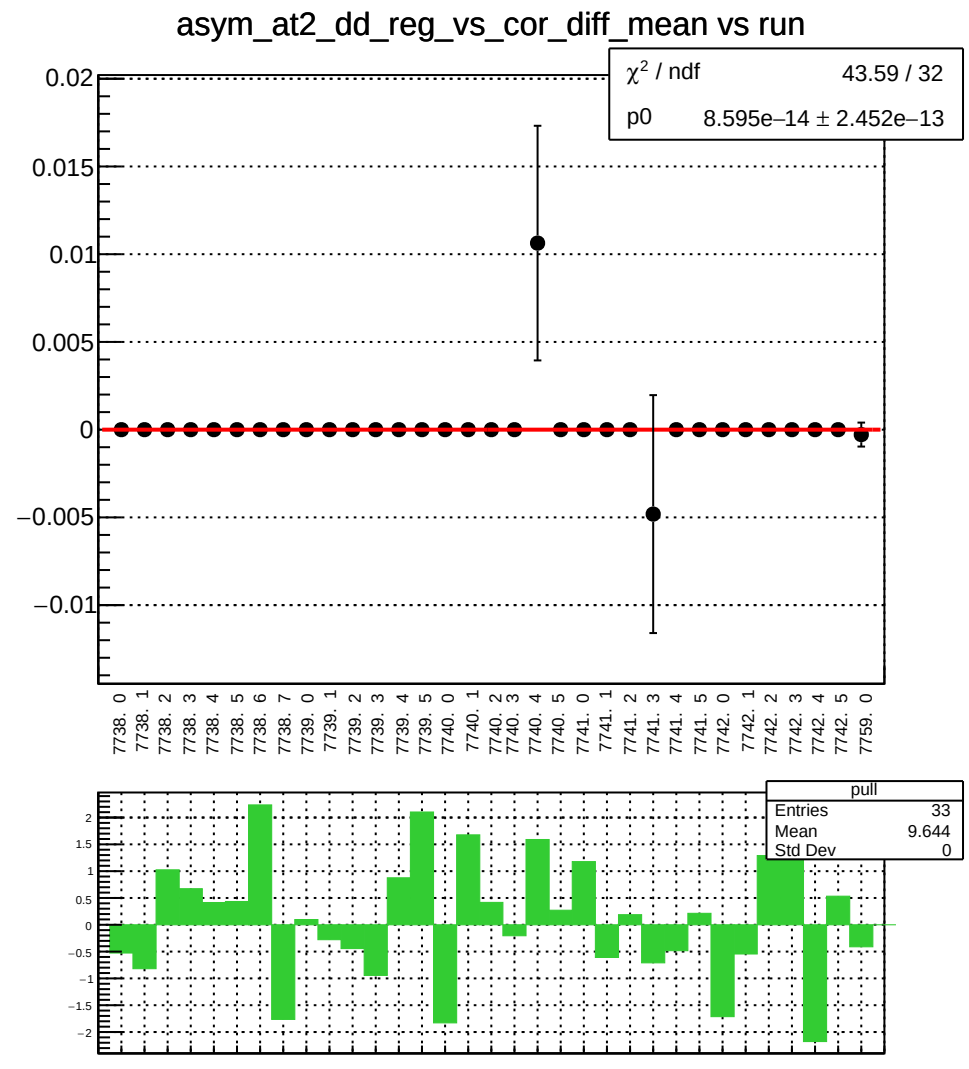

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 31.66 / 32
p0 −17.16 ± 5754
×10³
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −158.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01621
Std Dev 0.9793
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

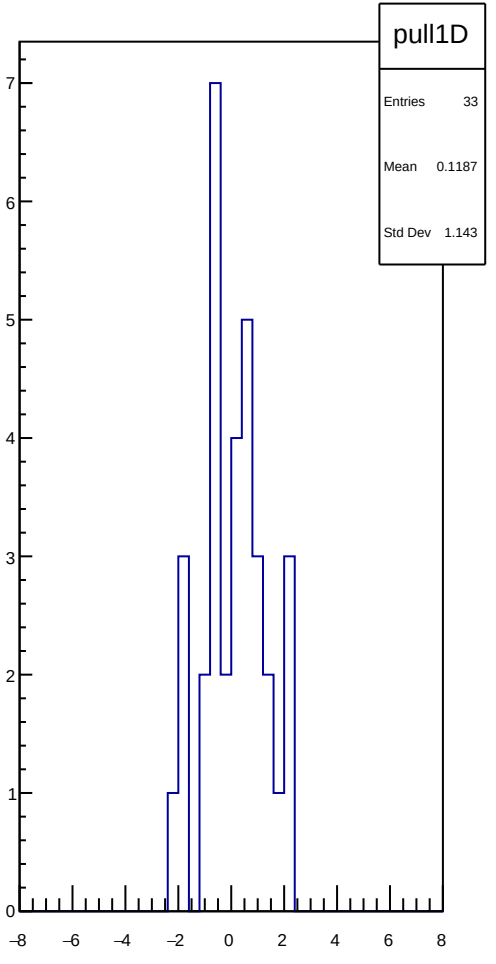

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 6549 / 32
p0 3296 ± 4.069
4000
3800
3600
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

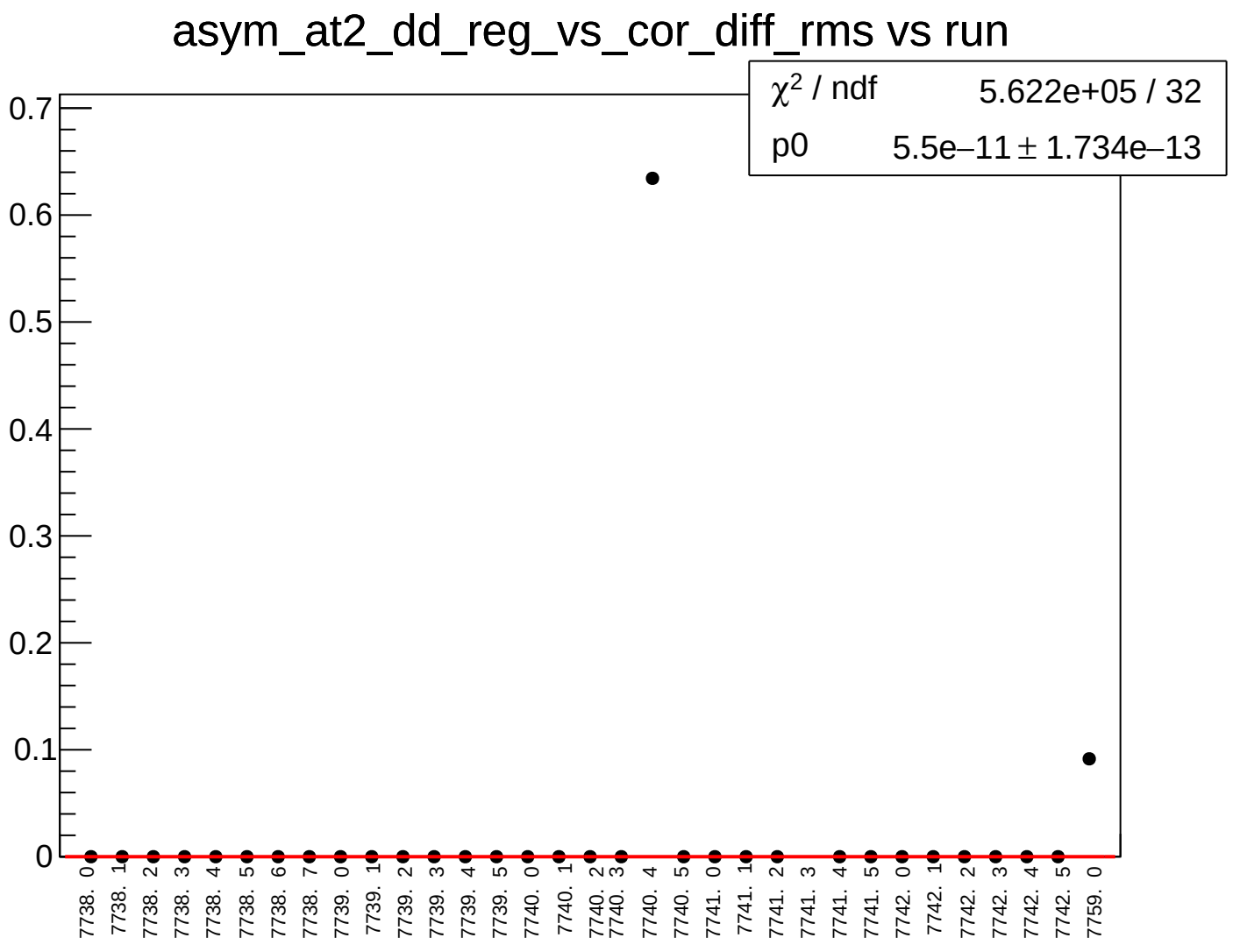

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 34.23 / 32
p0 −2422 ± 6437
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −97.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

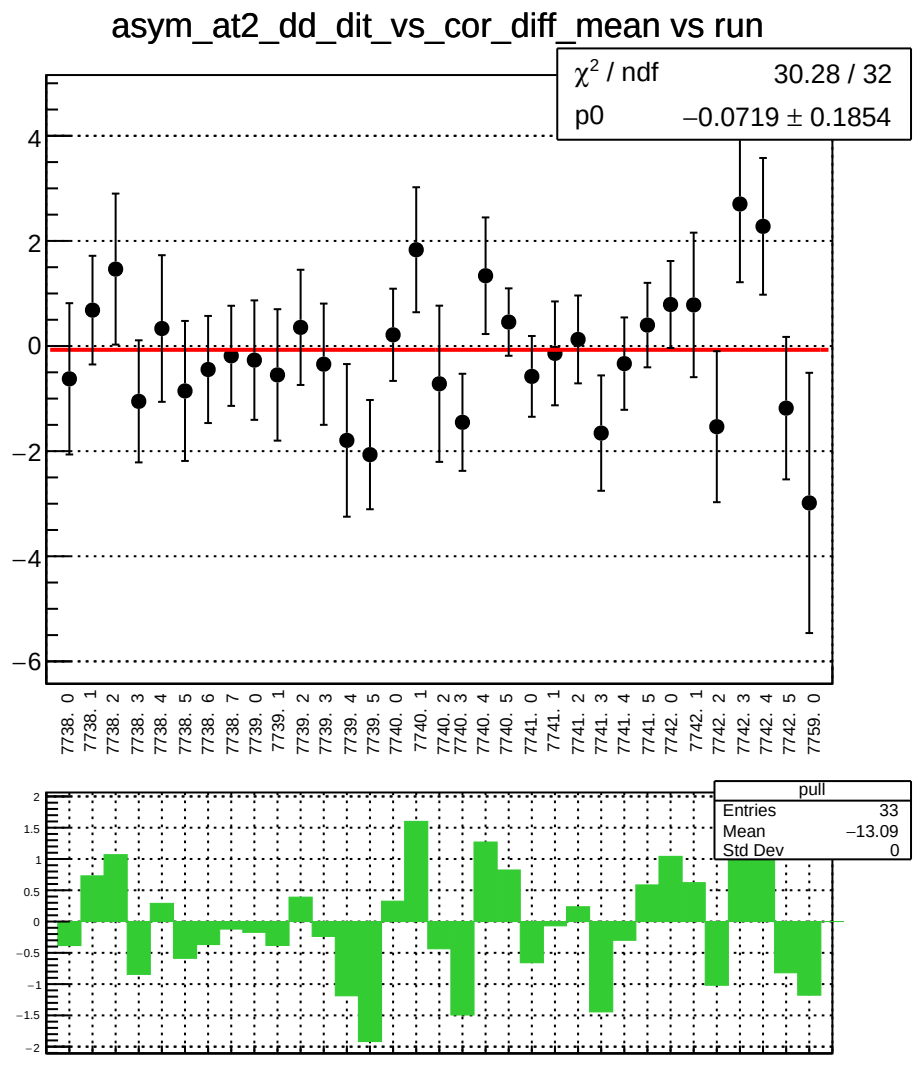

pull1D
Entries 33
Mean 0.03307
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

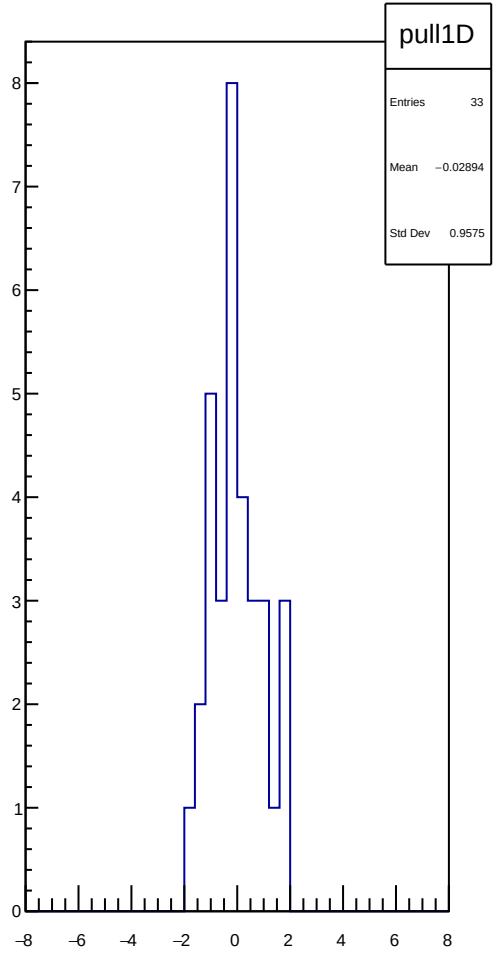

asym_at2_dd_rms vs run
χ² / ndf 1823 / 32
p0 3701 ± 4.552
4200
4000
3800
3600
3400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

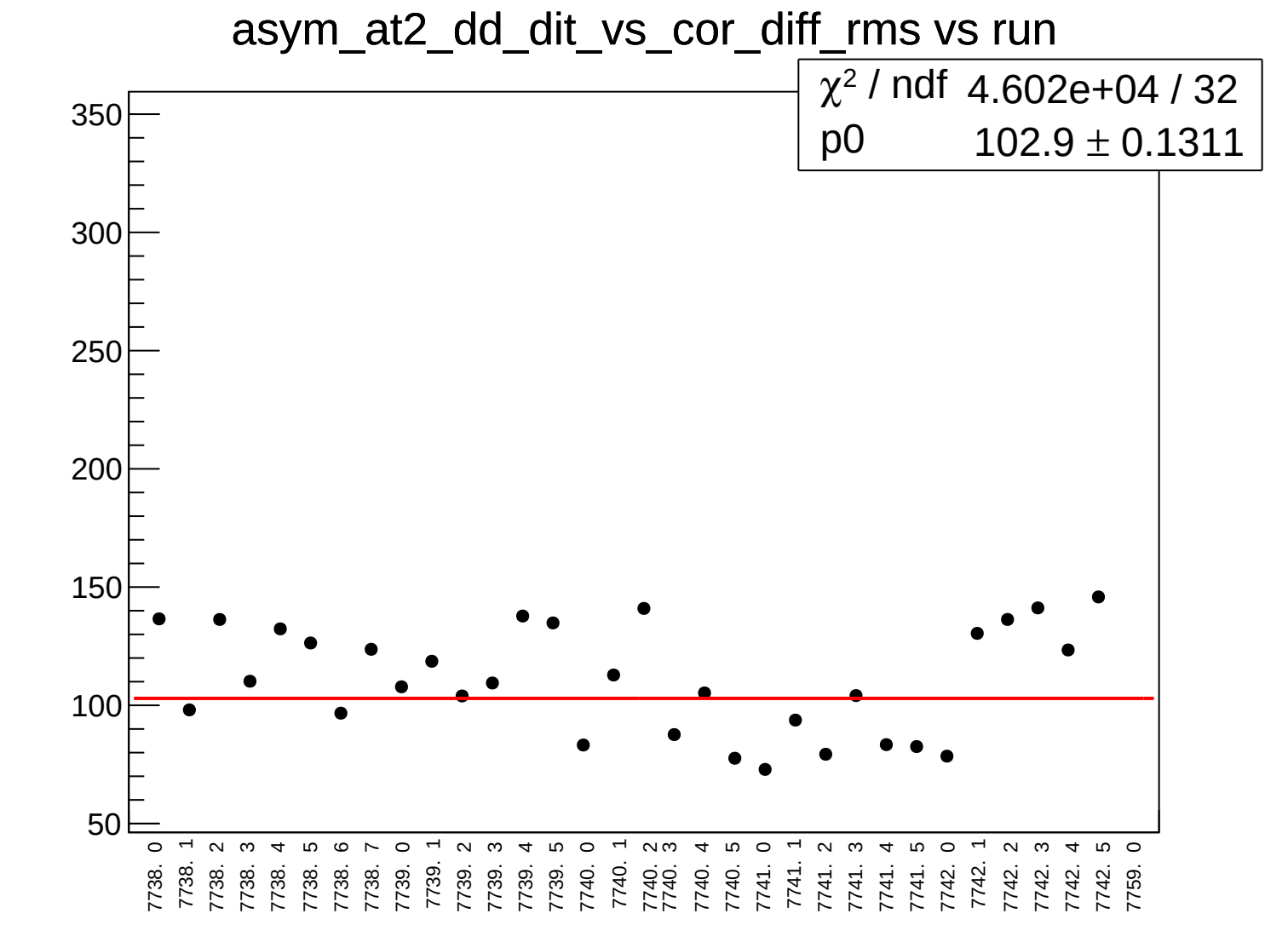

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.59 / 32
p0 8.595e−14 ± 2.452e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.644
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

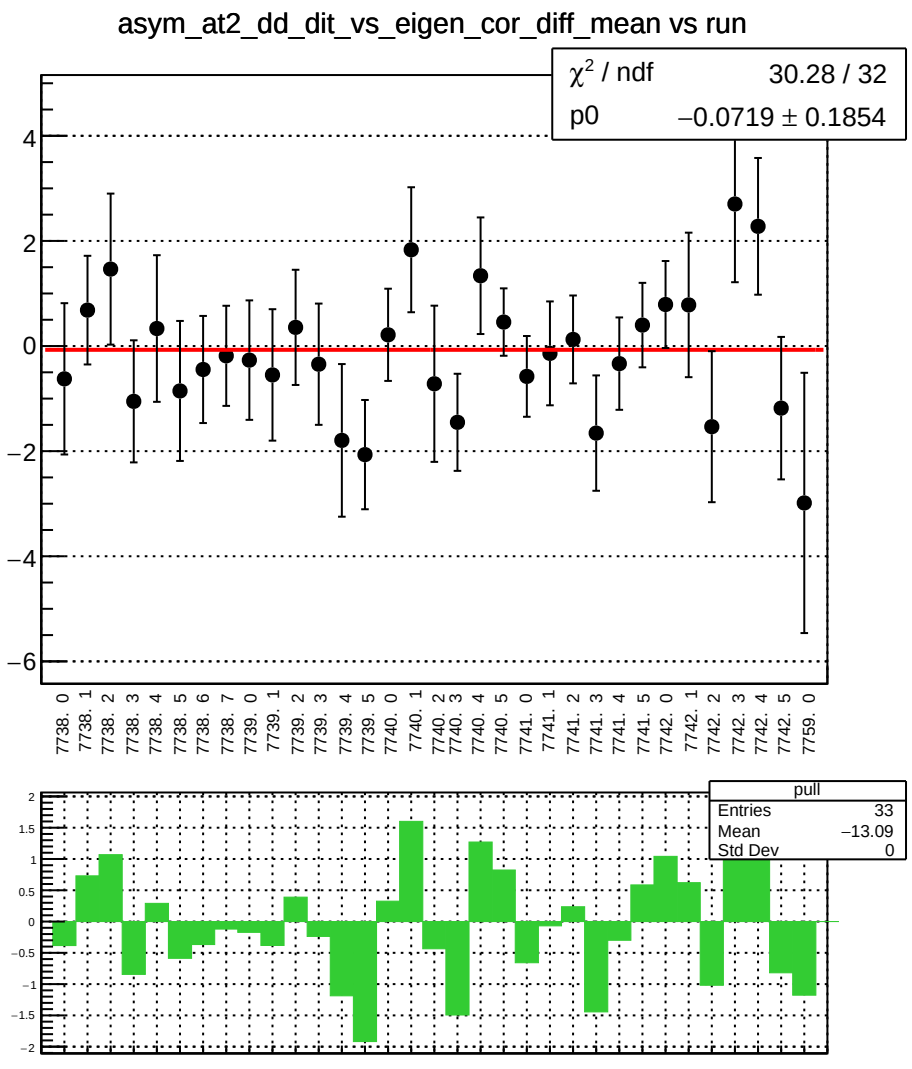

pull1D
Entries 33
Mean 0.1187
Std Dev 1.143
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

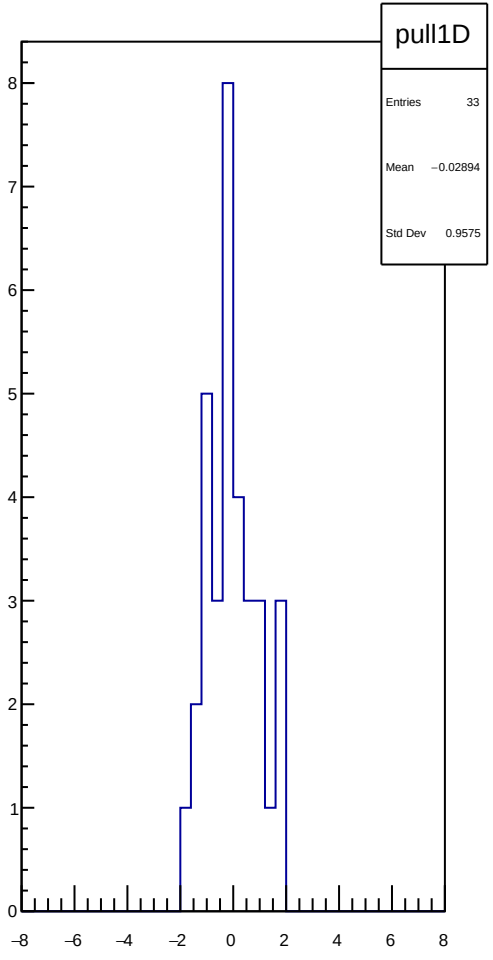

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.622e+05 / 32
p0 5.5e−11 ± 1.734e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

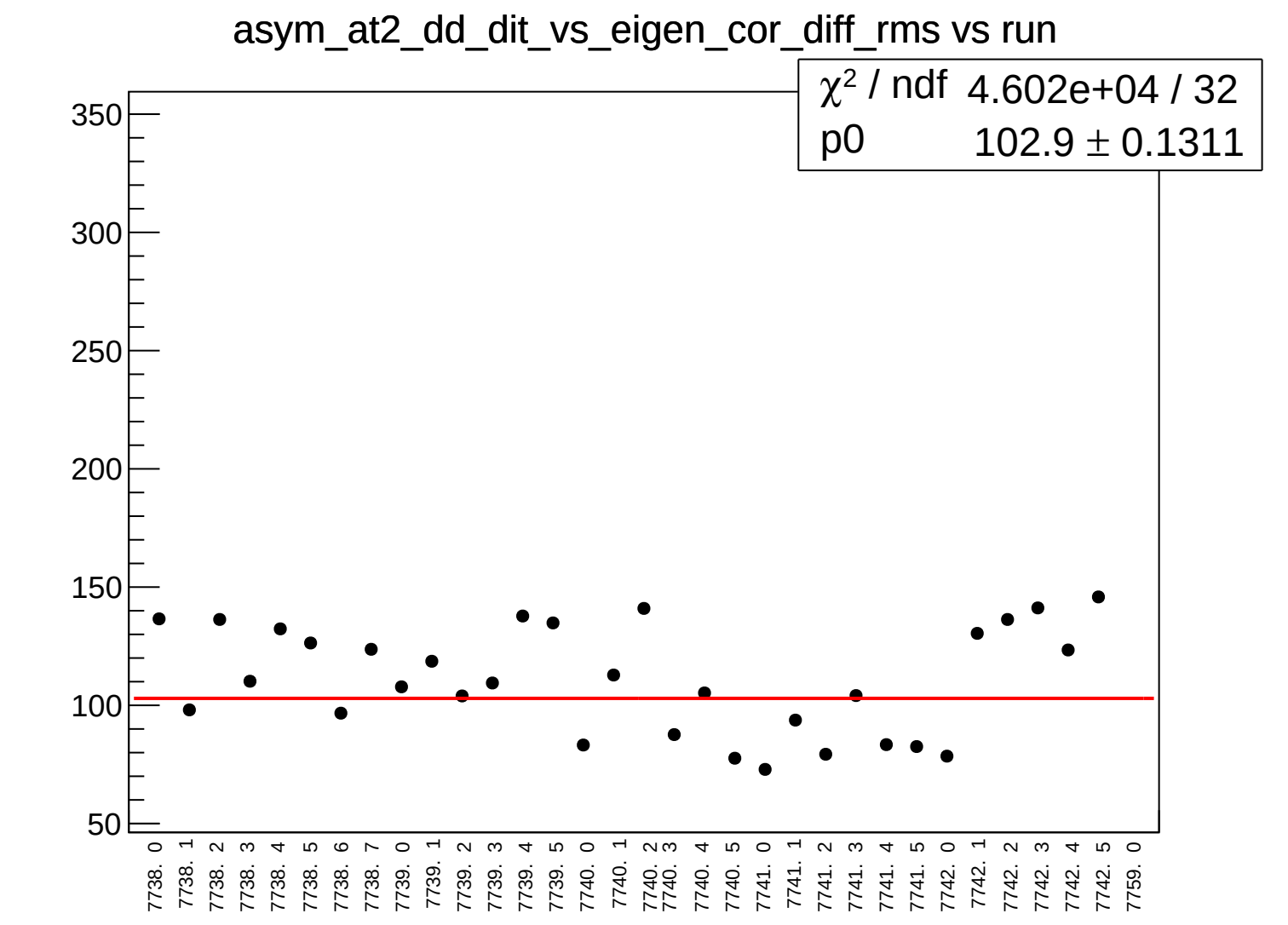

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 30.28 / 32
p0 −0.0719 ± 0.1854
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

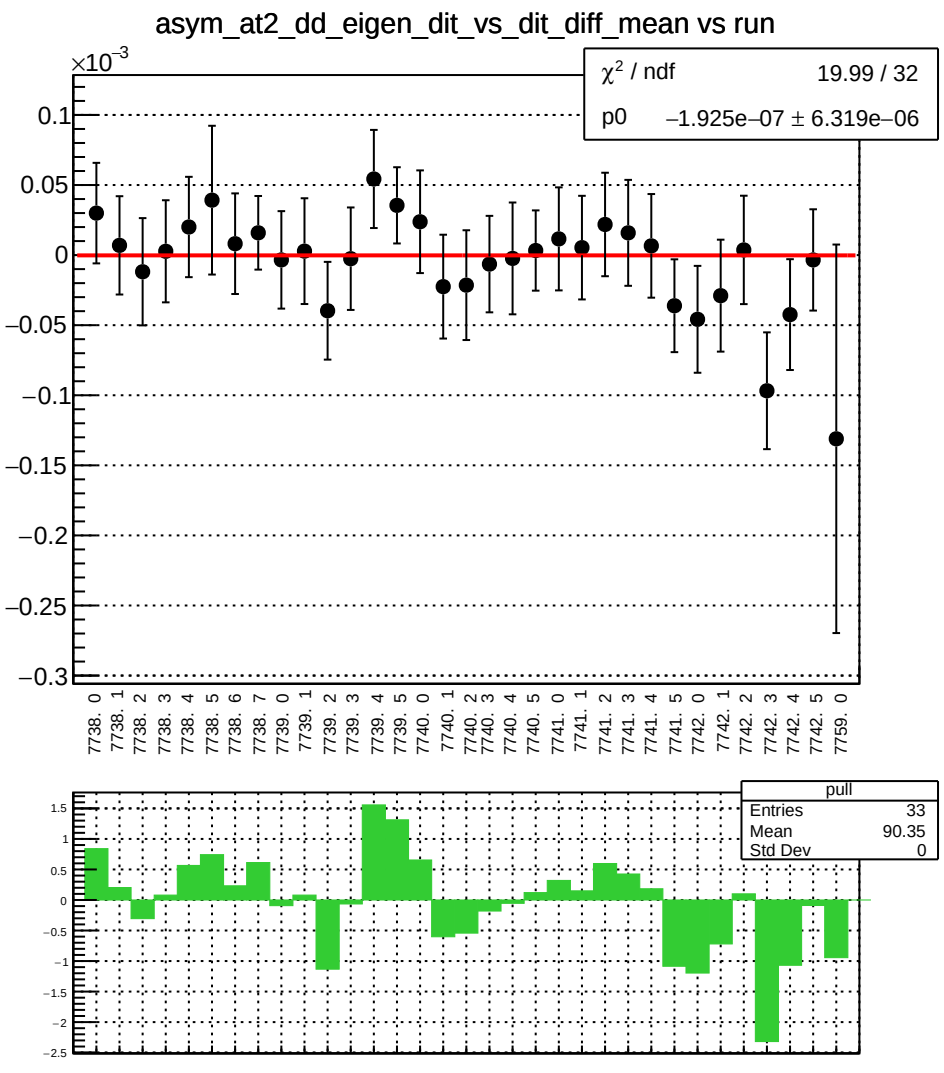

pull1D
Entries 33
Mean −0.02894
Std Dev 0.9575
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

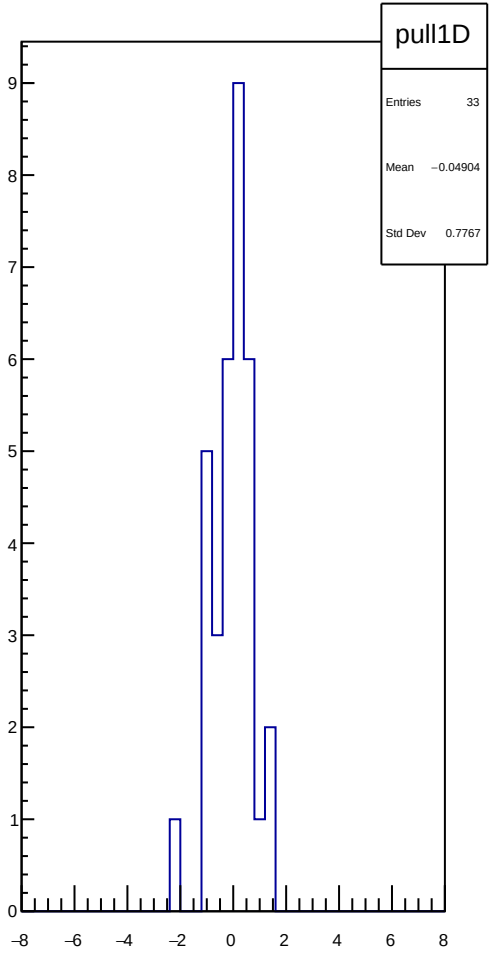

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.602e+04 / 32
p0 102.9 ± 0.1311
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

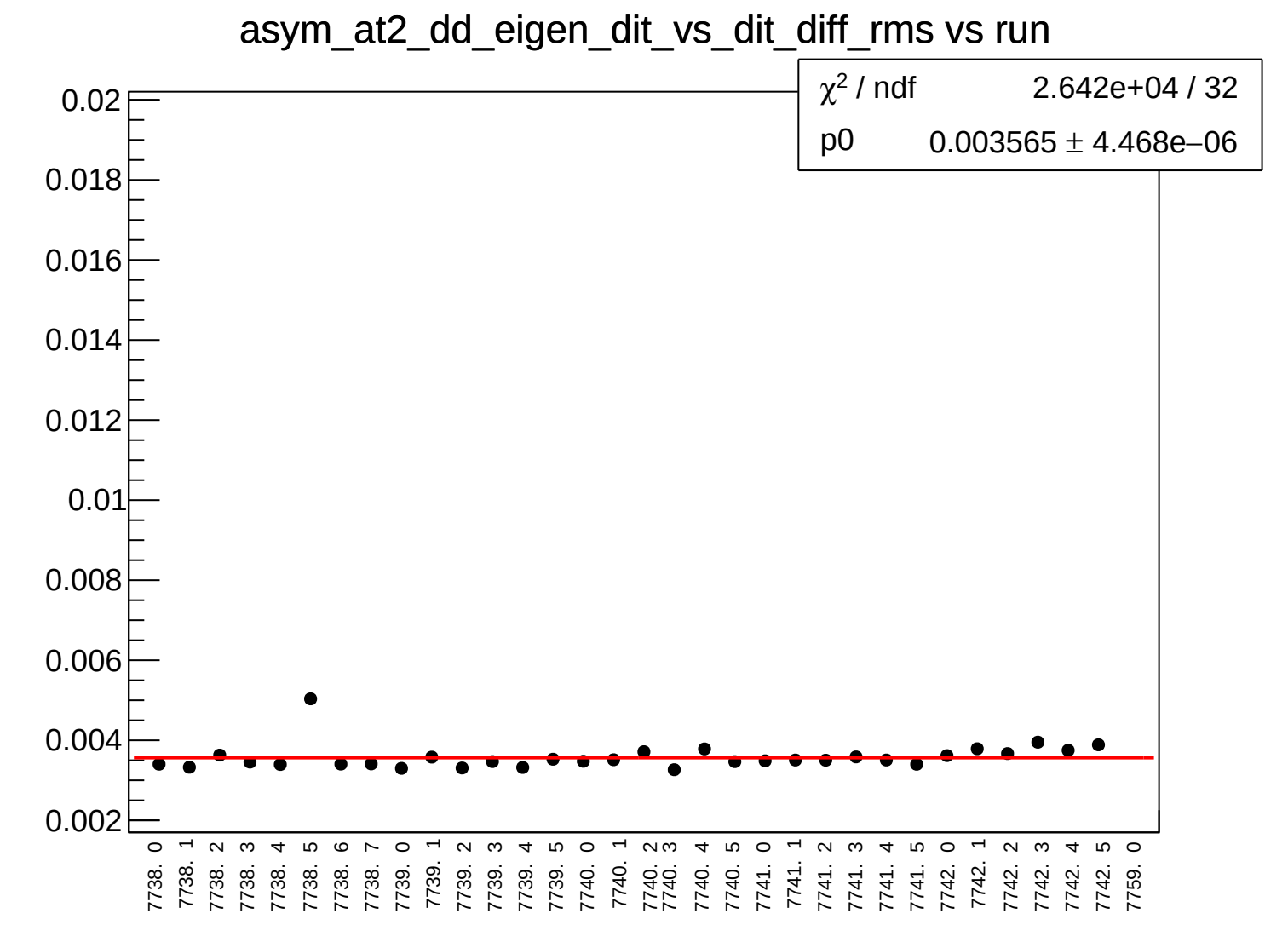

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.28 / 32
p0 −0.0719 ± 0.1854
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

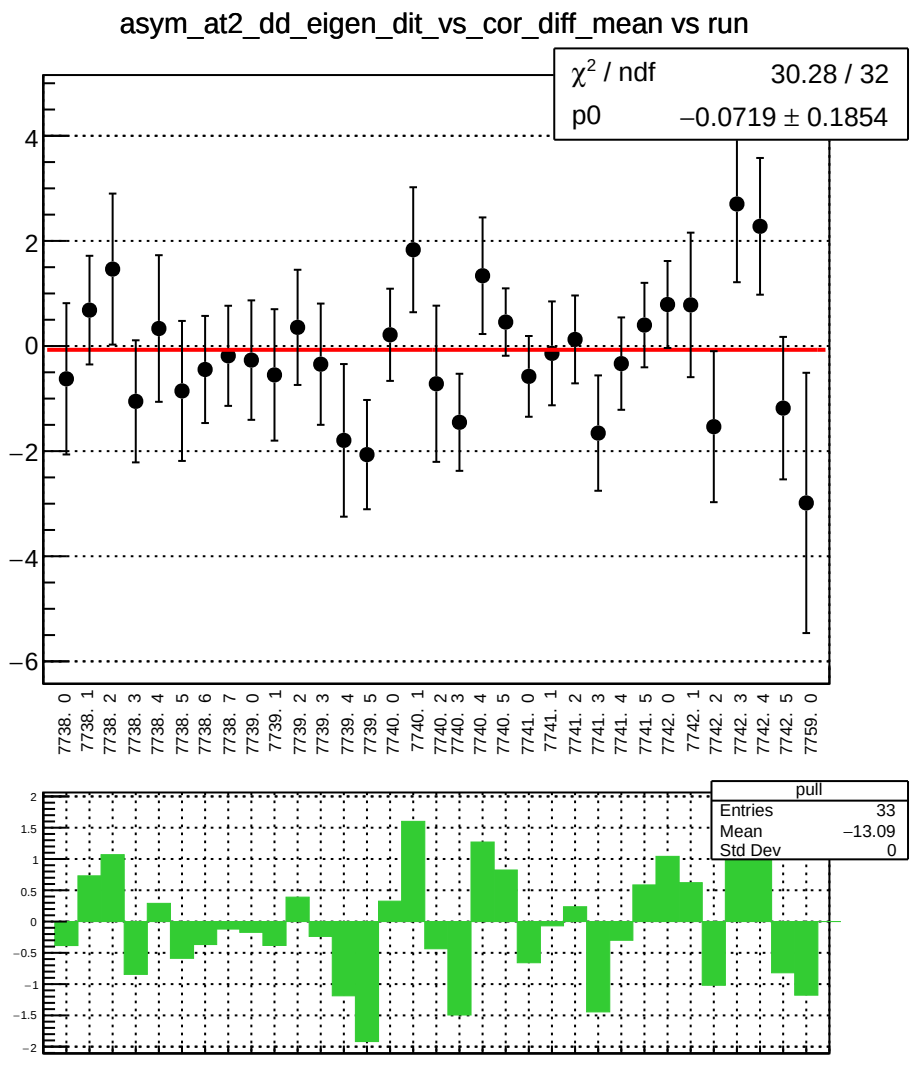

pull1D
Entries 33
Mean −0.02894
Std Dev 0.9575
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

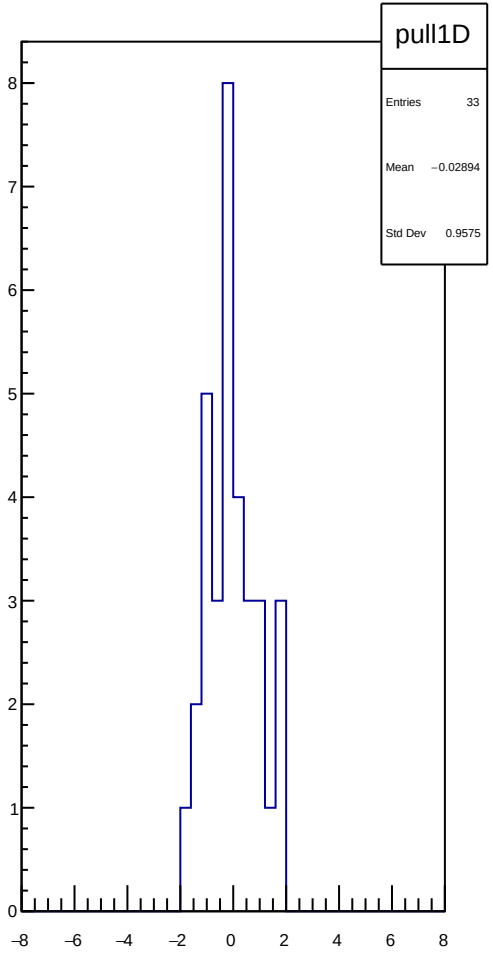

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.602e+04 / 32
p0 102.9 ± 0.1311
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

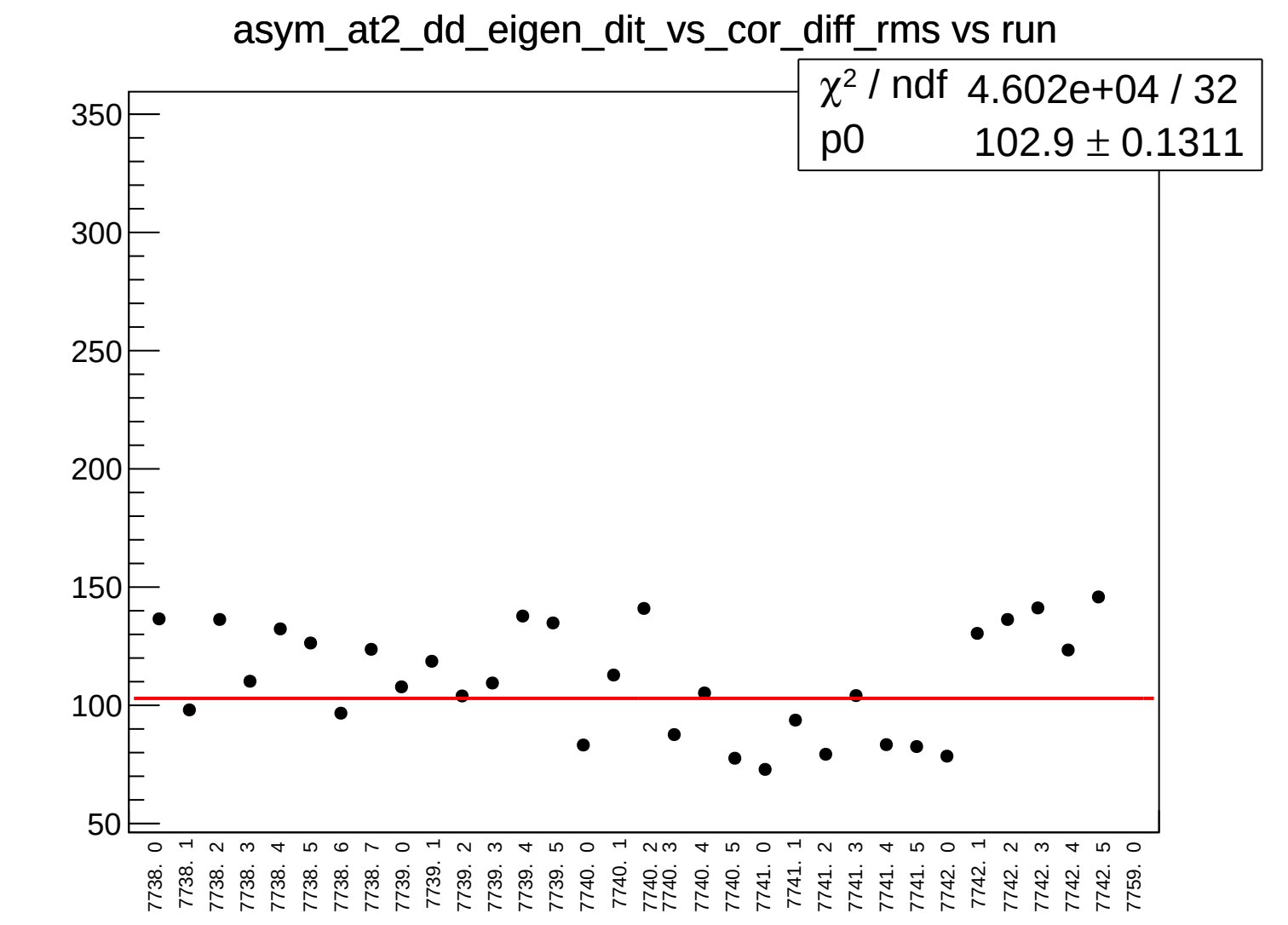

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 19.99 / 32
p0 −1.925e−07 ± 6.319e−06
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 90.35
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

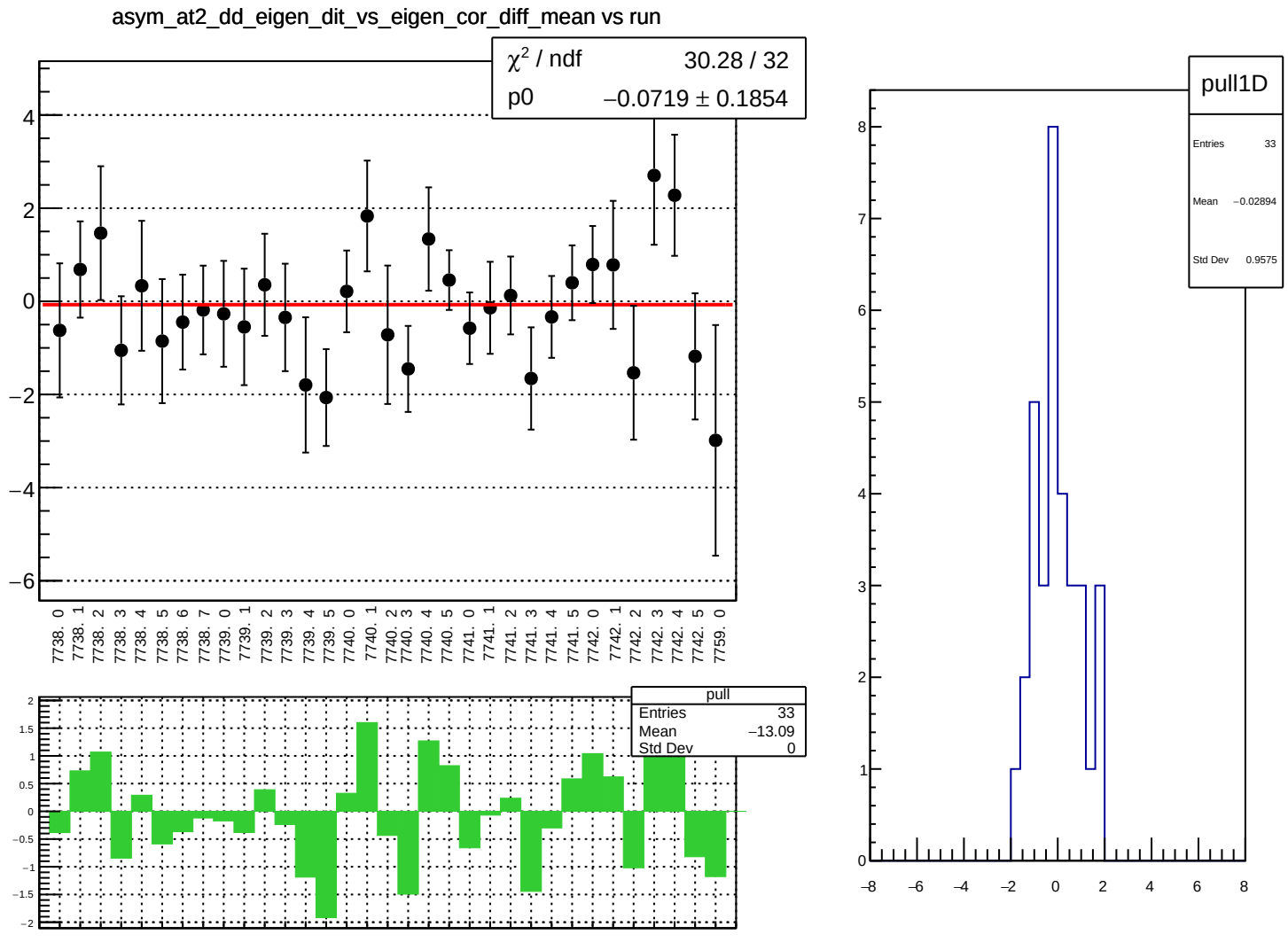

pull1D
Entries 33
Mean −0.04904
Std Dev 0.7767
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

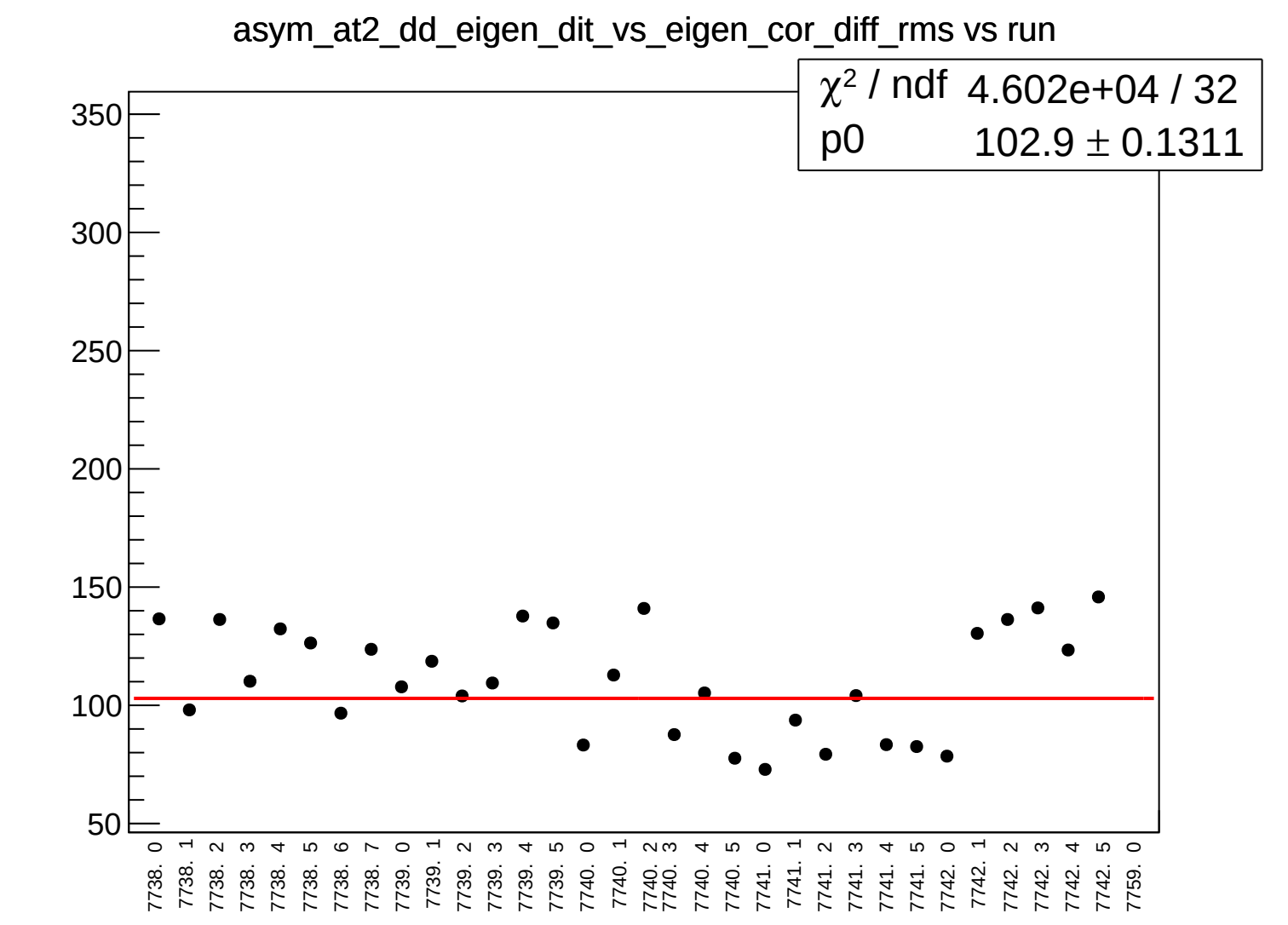

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.642e+04 / 32
p0 0.003565 ± 4.468e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

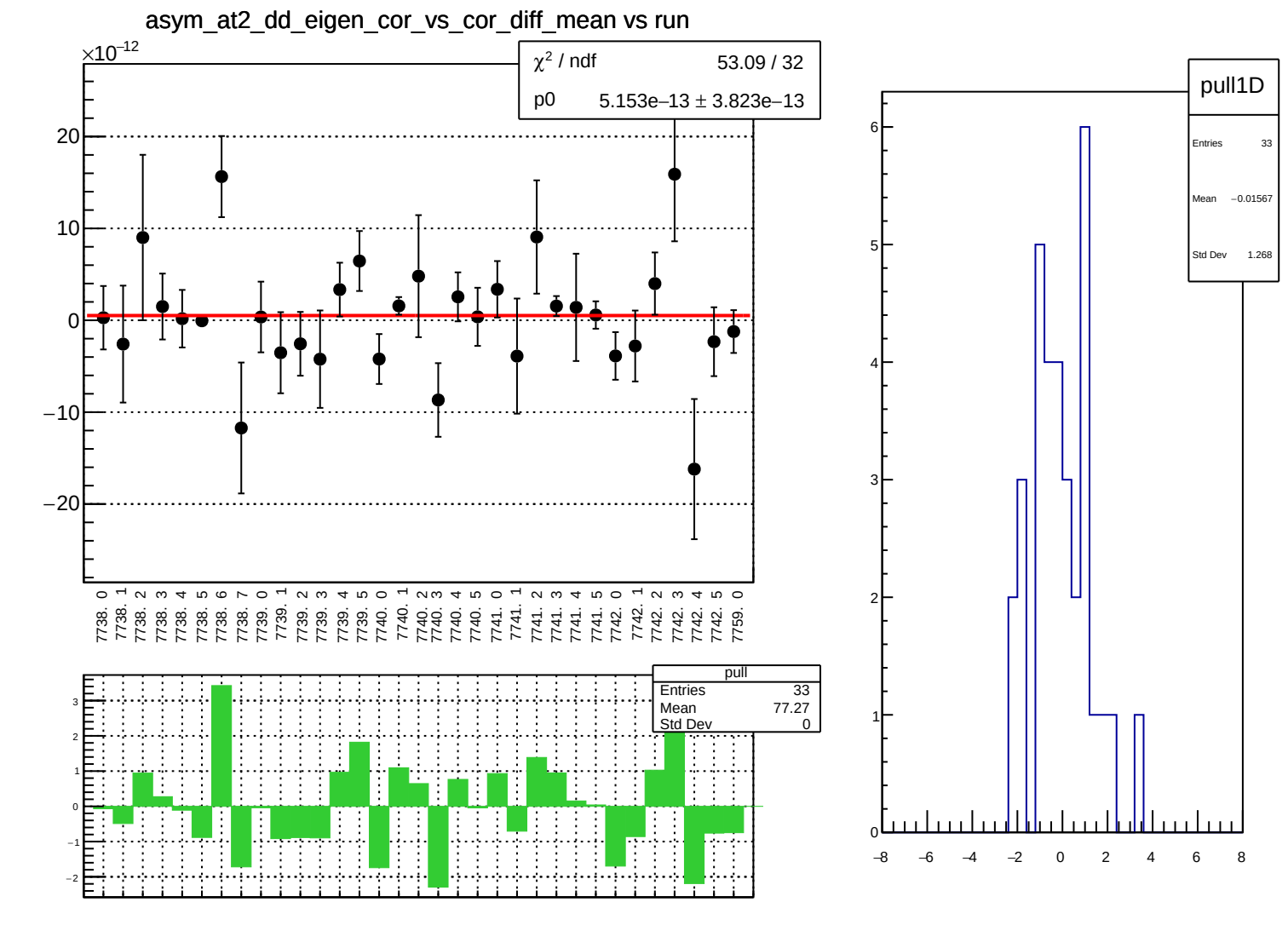

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.28 / 32
p0 −0.0719 ± 0.1854
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

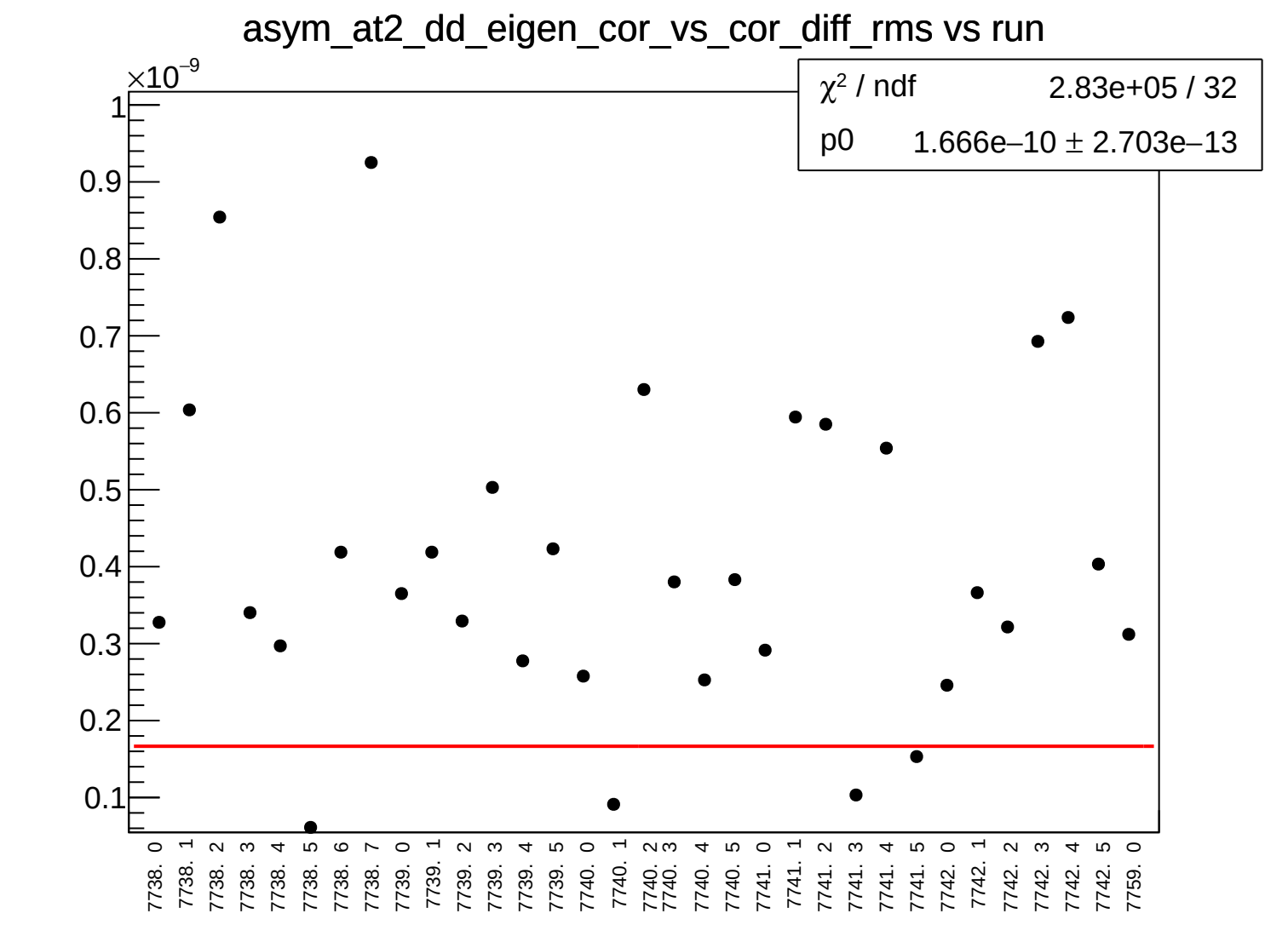

pull1D
Entries 33
Mean −0.02894
Std Dev 0.9575
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

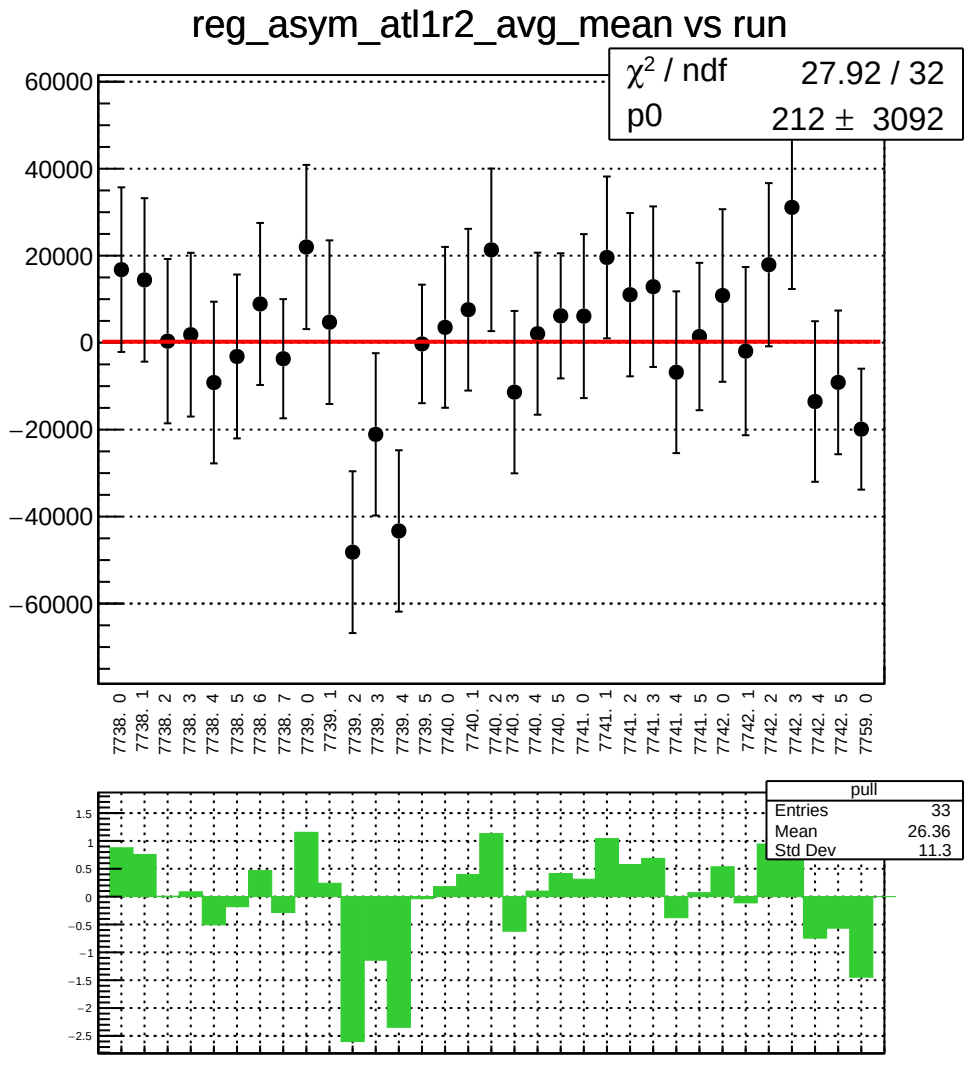

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.602e+04 / 32
p0 102.9 ± 0.1311
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

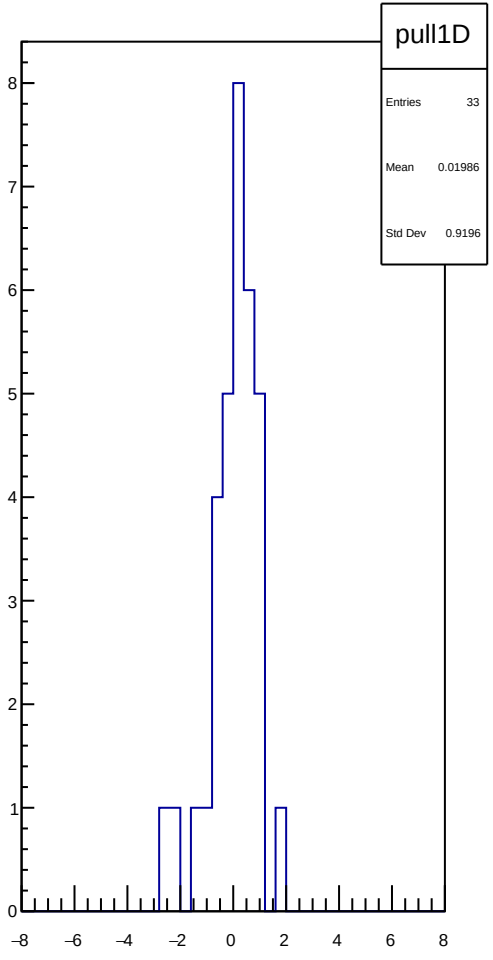

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.28 / 32
p0 −0.0719 ± 0.1854
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02894
Std Dev 0.9575
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

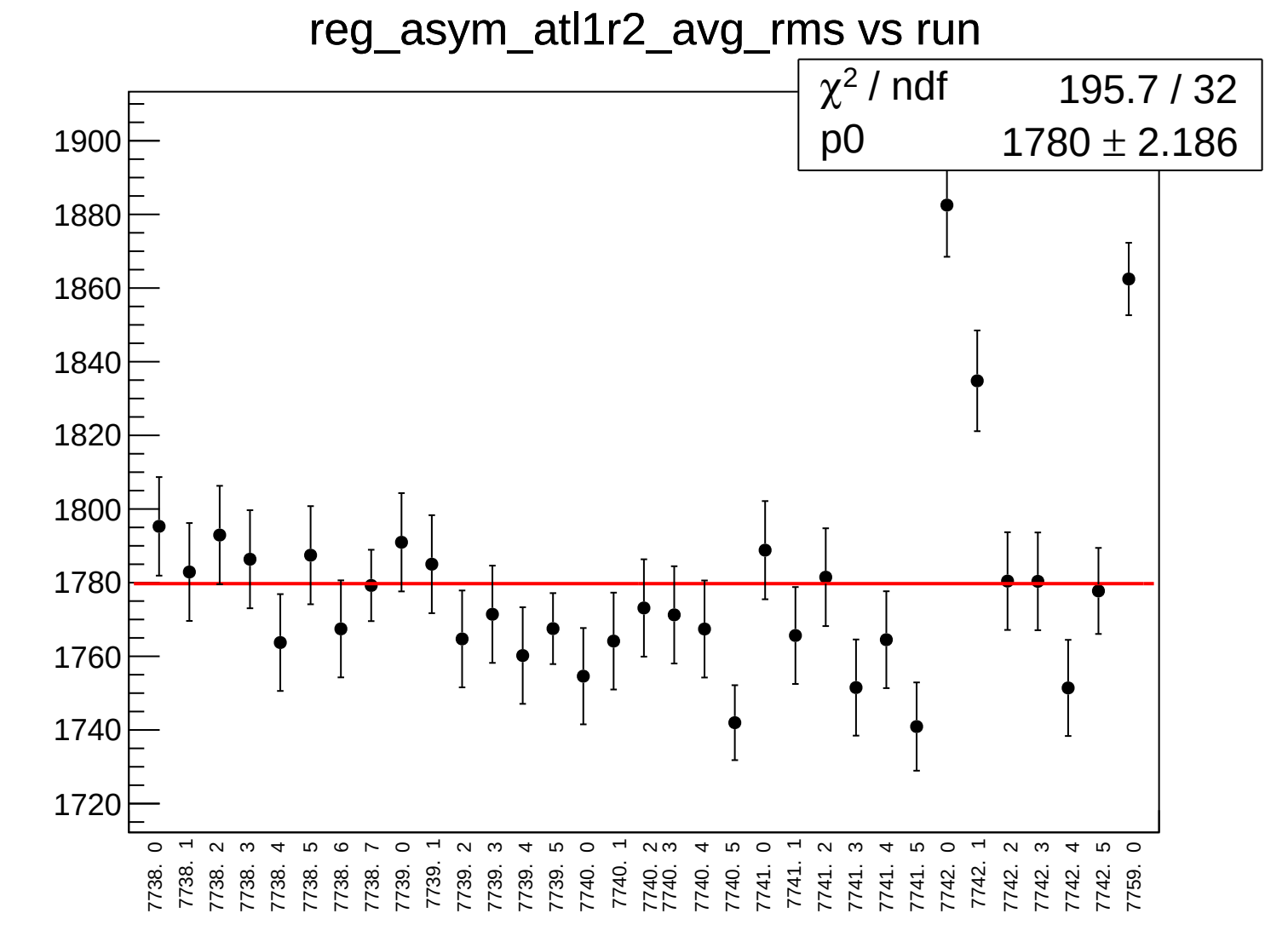

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.602e+04 / 32
p0 102.9 ± 0.1311
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

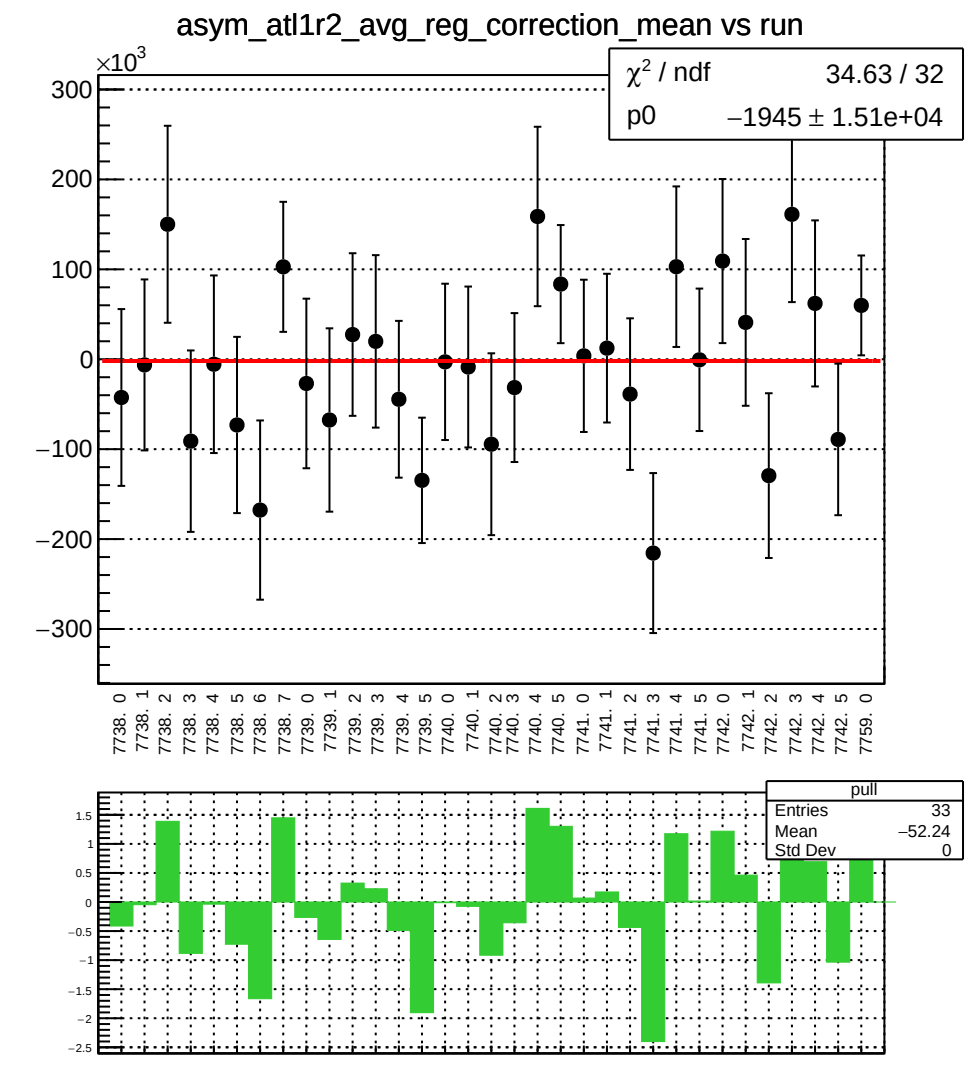

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 53.09 / 32
p0 5.153e−13 ± 3.823e−13
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 77.27
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01567
Std Dev 1.268
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

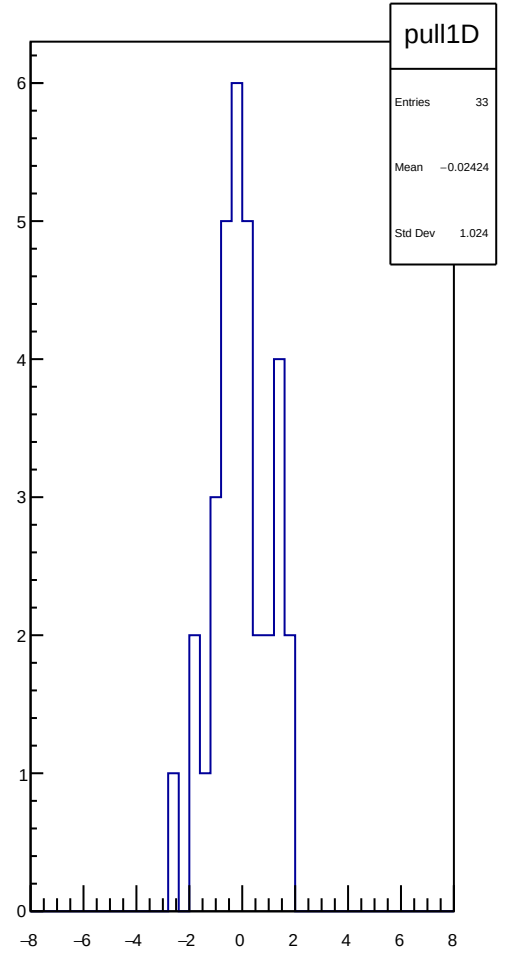

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.83e+05 / 32
p0 1.666e−10 ± 2.703e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

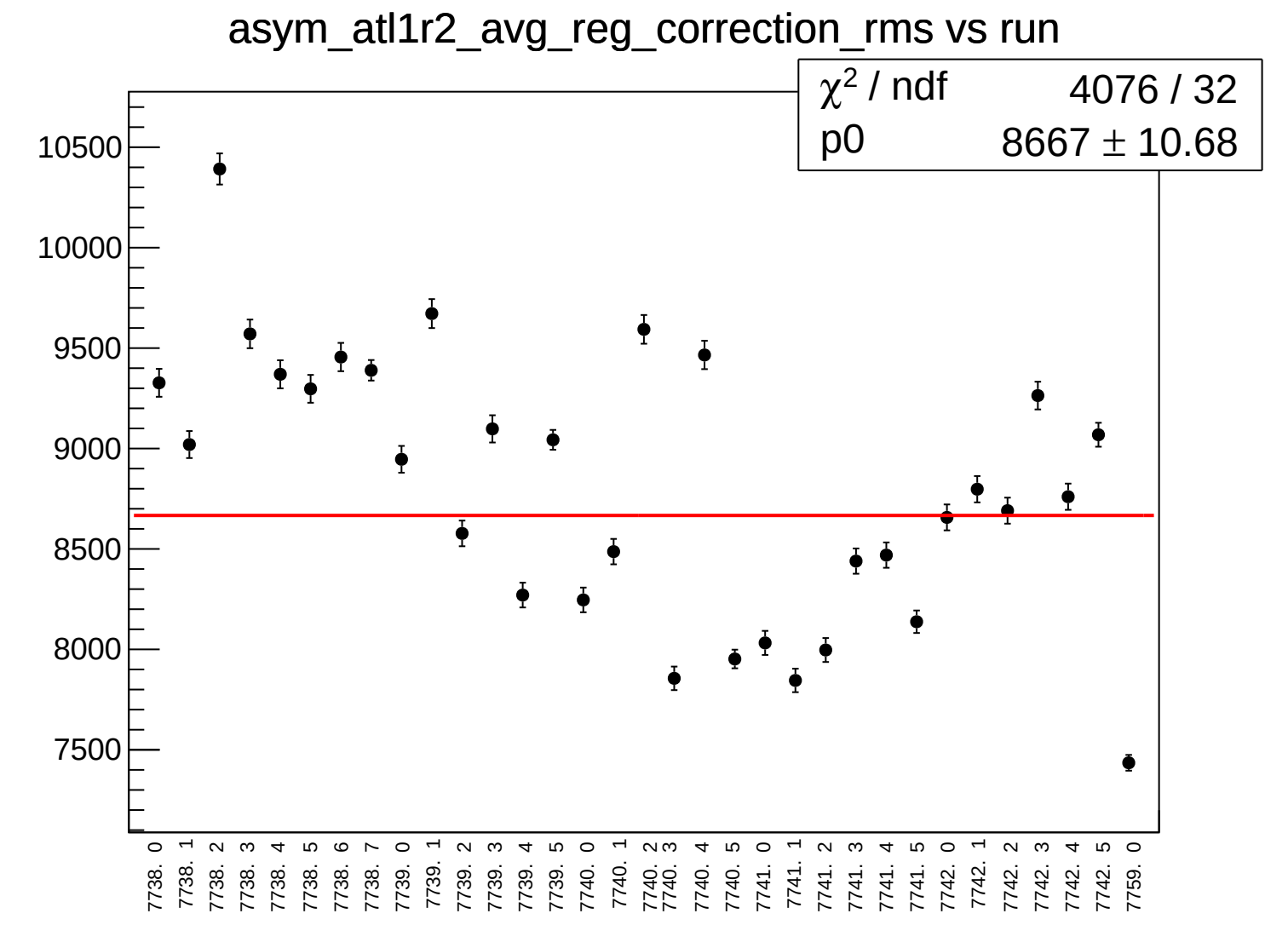

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 27.92 / 32
p0 212 ± 3092
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.36
Std Dev 11.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

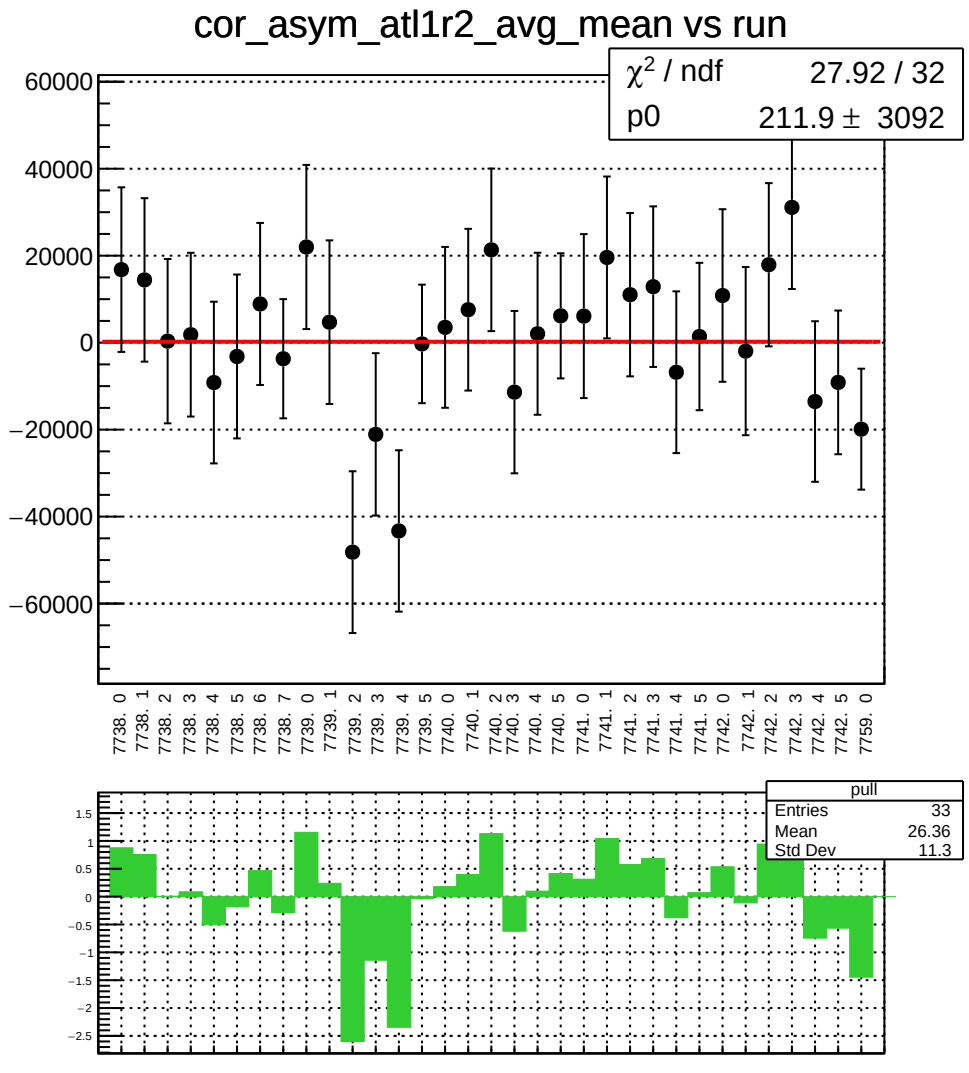

pull1D
Entries 33
Mean 0.01986
Std Dev 0.9196
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

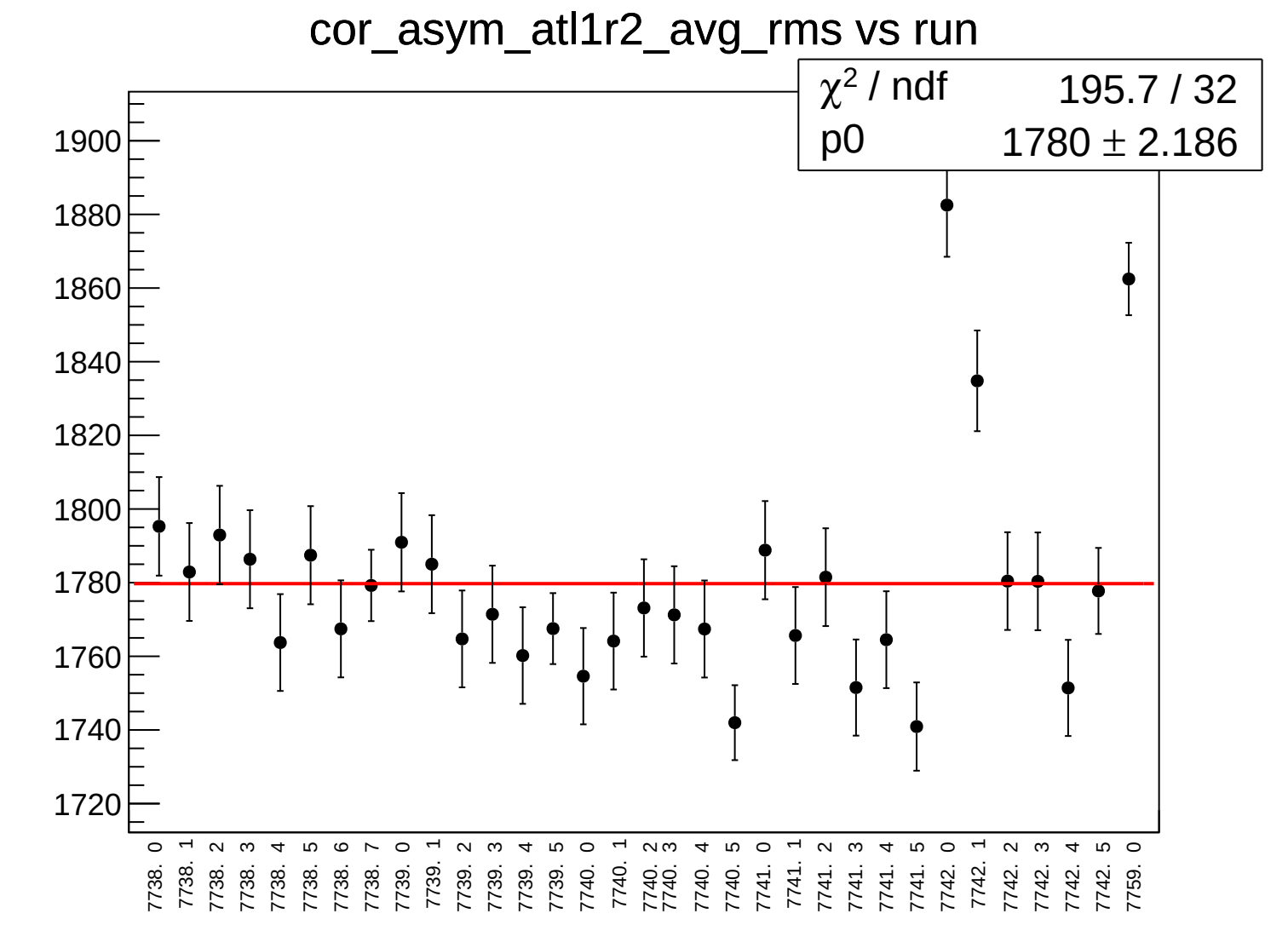

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 195.7 / 32
p0 1780 ± 2.186
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

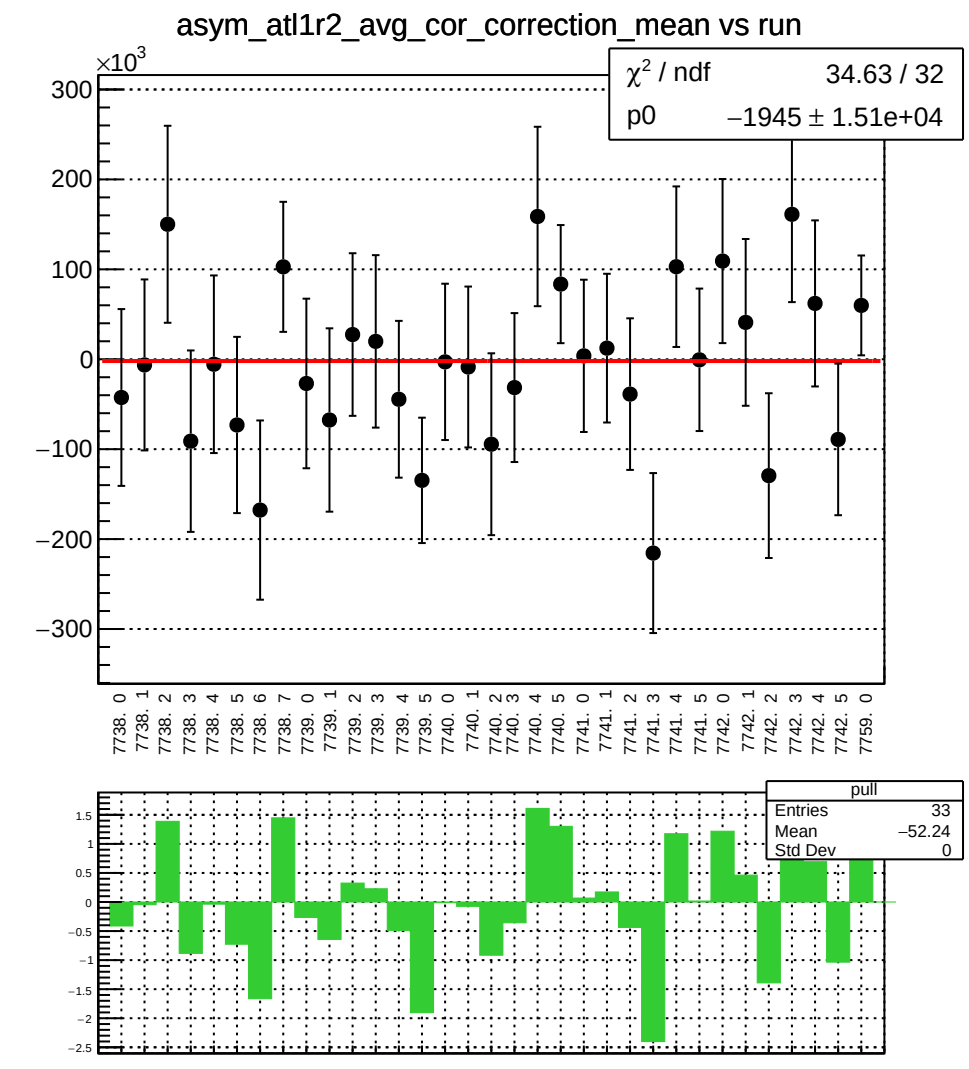

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.63 / 32
p0 −1945 ± 1.51e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −52.24
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

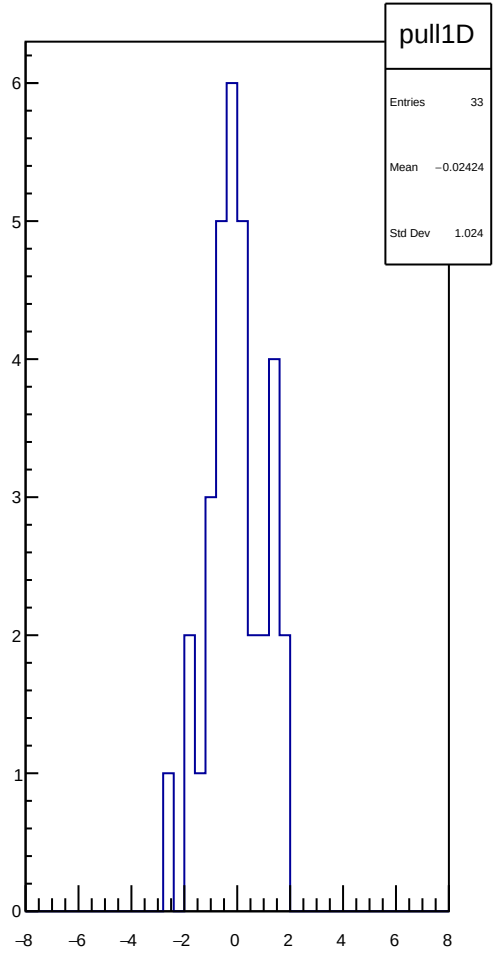

pull1D
Entries 33
Mean −0.02424
Std Dev 1.024
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

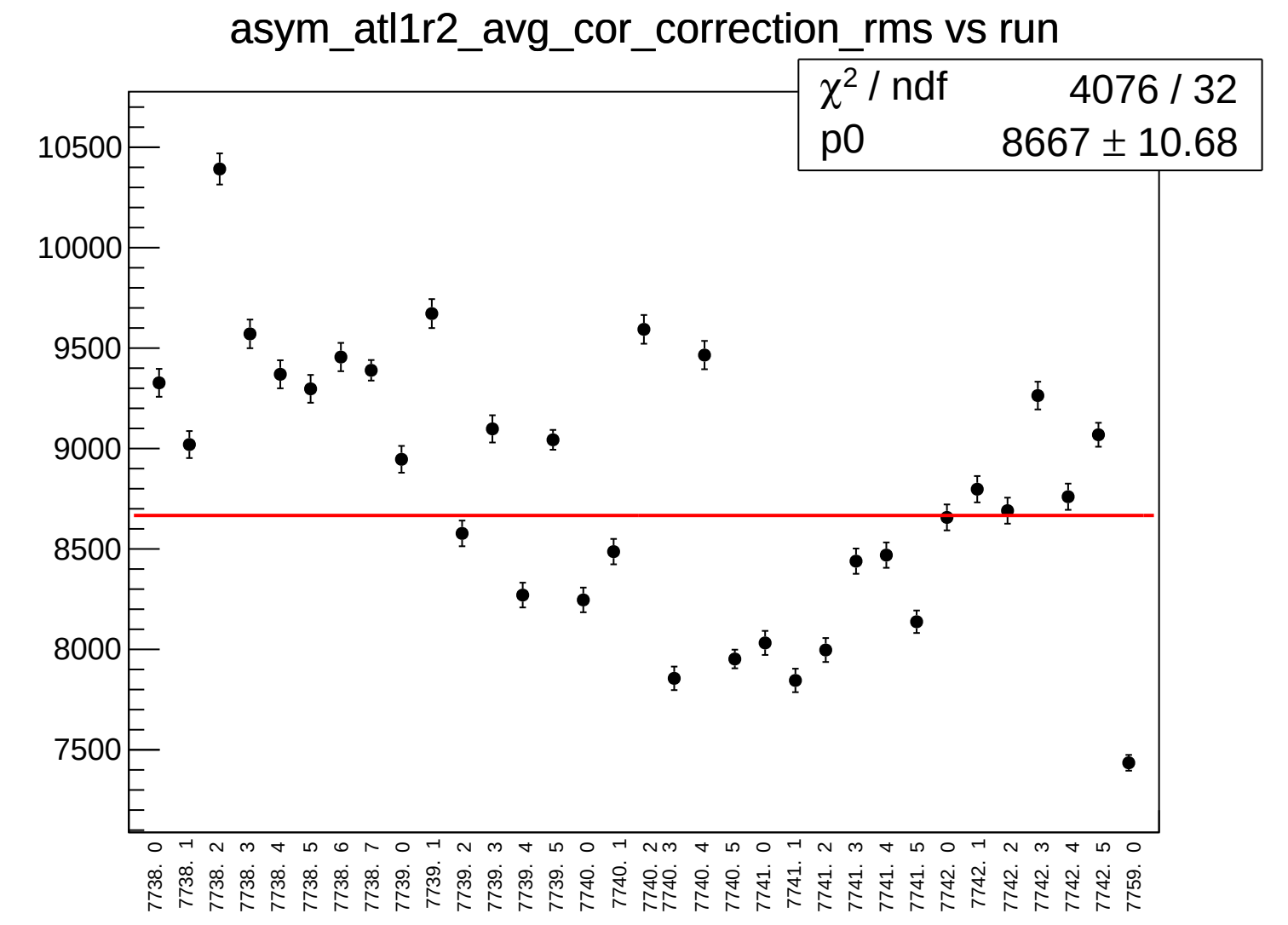

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 4076 / 32
p0 8667 ± 10.68
10500
10000
9500
9000
8500
8000
7500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

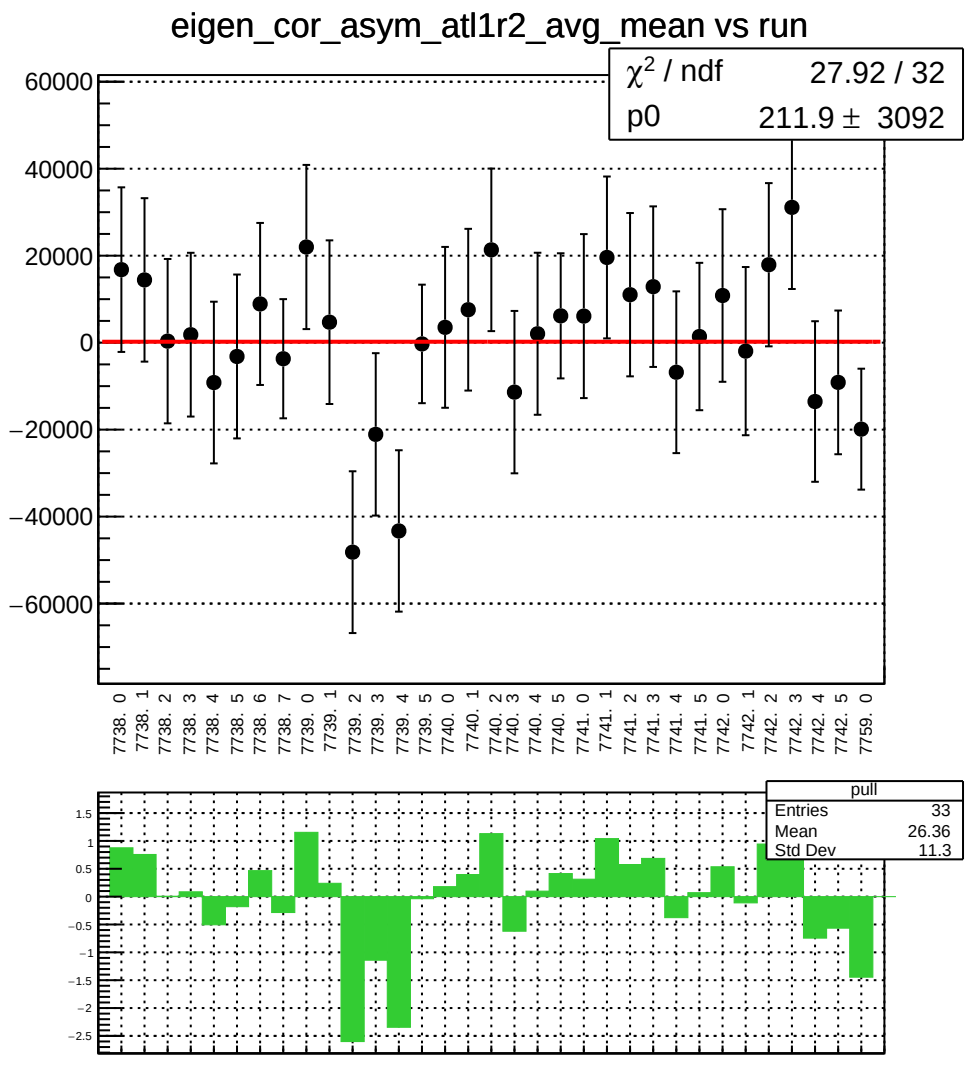

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 27.92 / 32
p0 211.9 ± 3092
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.36
Std Dev 11.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01986
Std Dev 0.9196
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

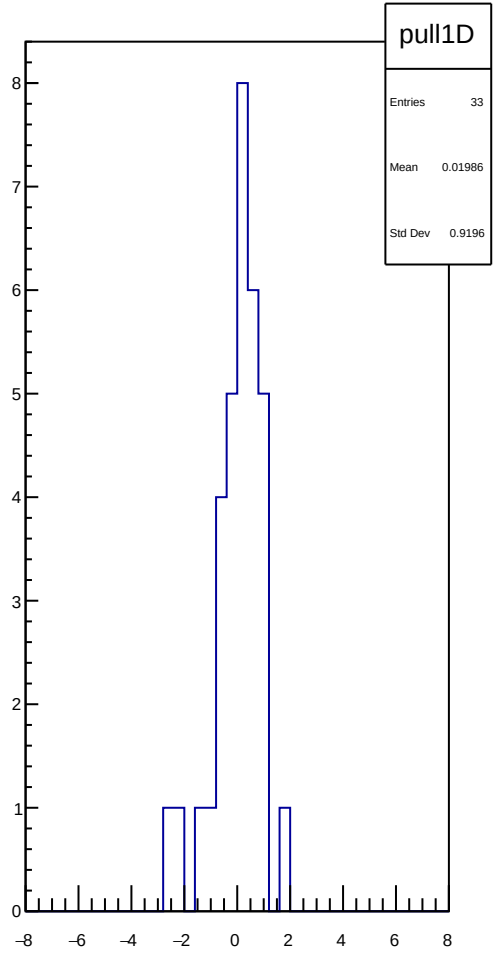

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 195.7 / 32
p0 1780 ± 2.186
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

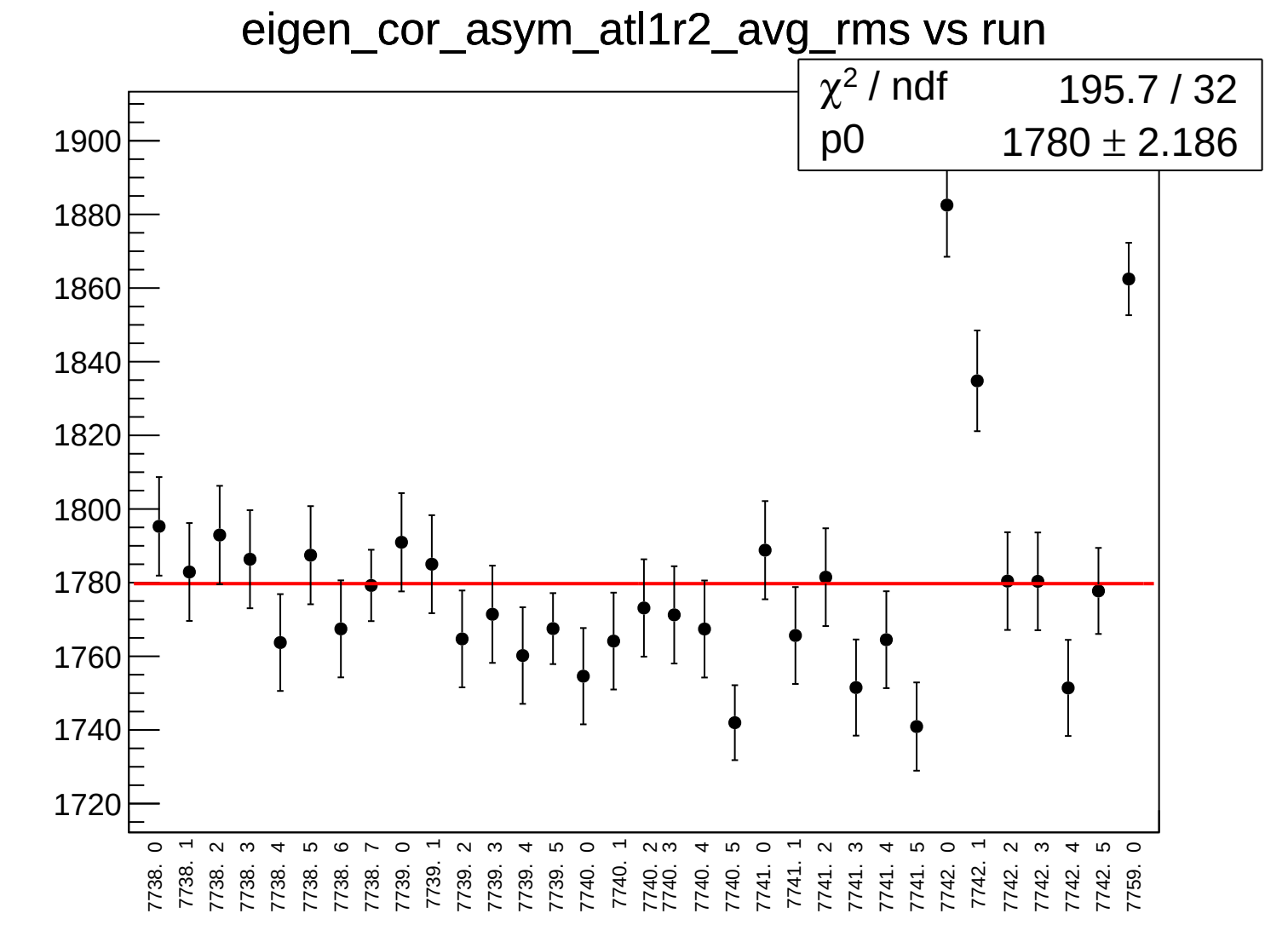

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.63 / 32
p0 −1945 ± 1.51e+04
pull
Entries 33
Mean −52.24
Std Dev 0

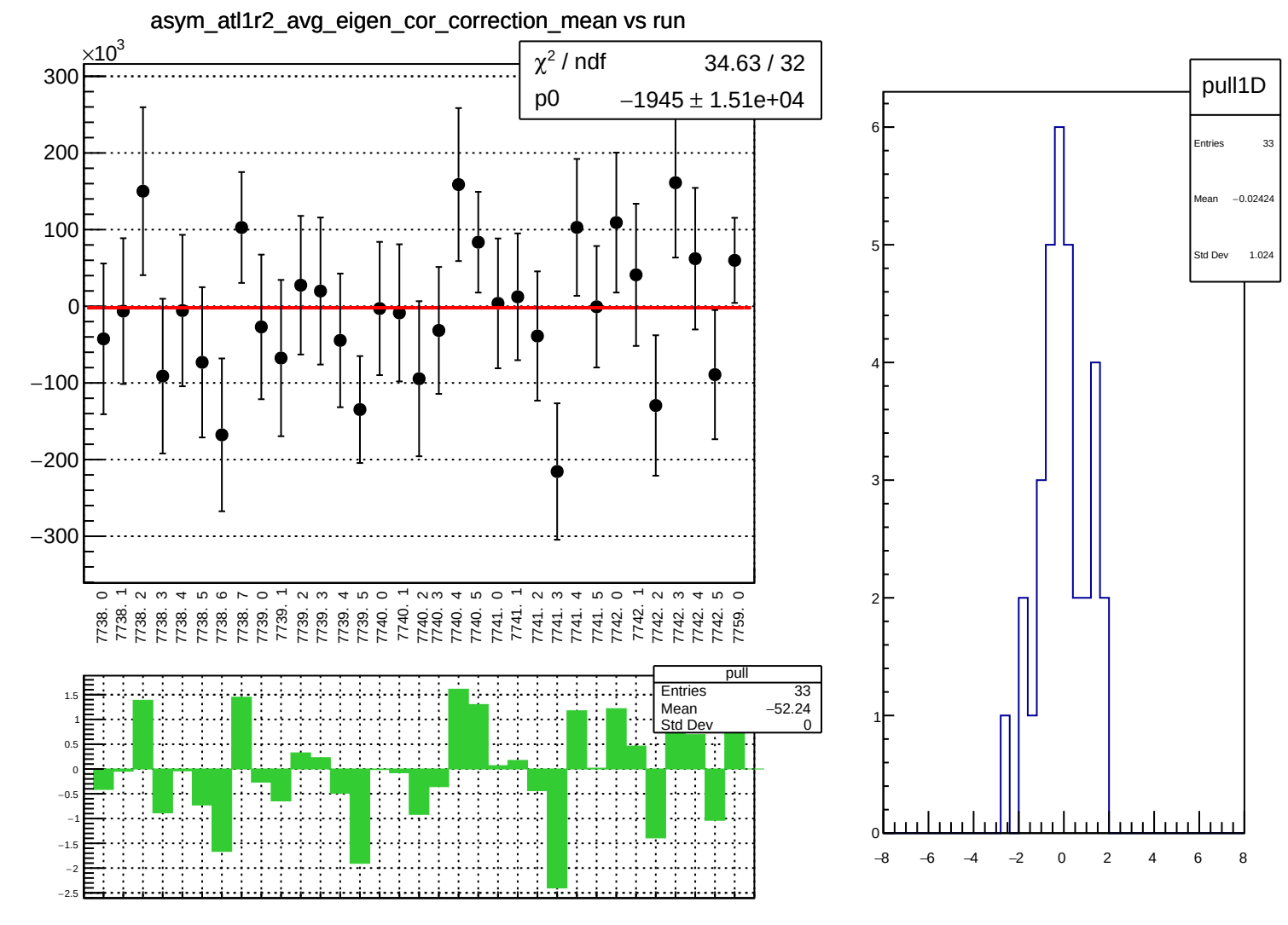

pull1D
Entries 33
Mean −0.02424
Std Dev 1.024

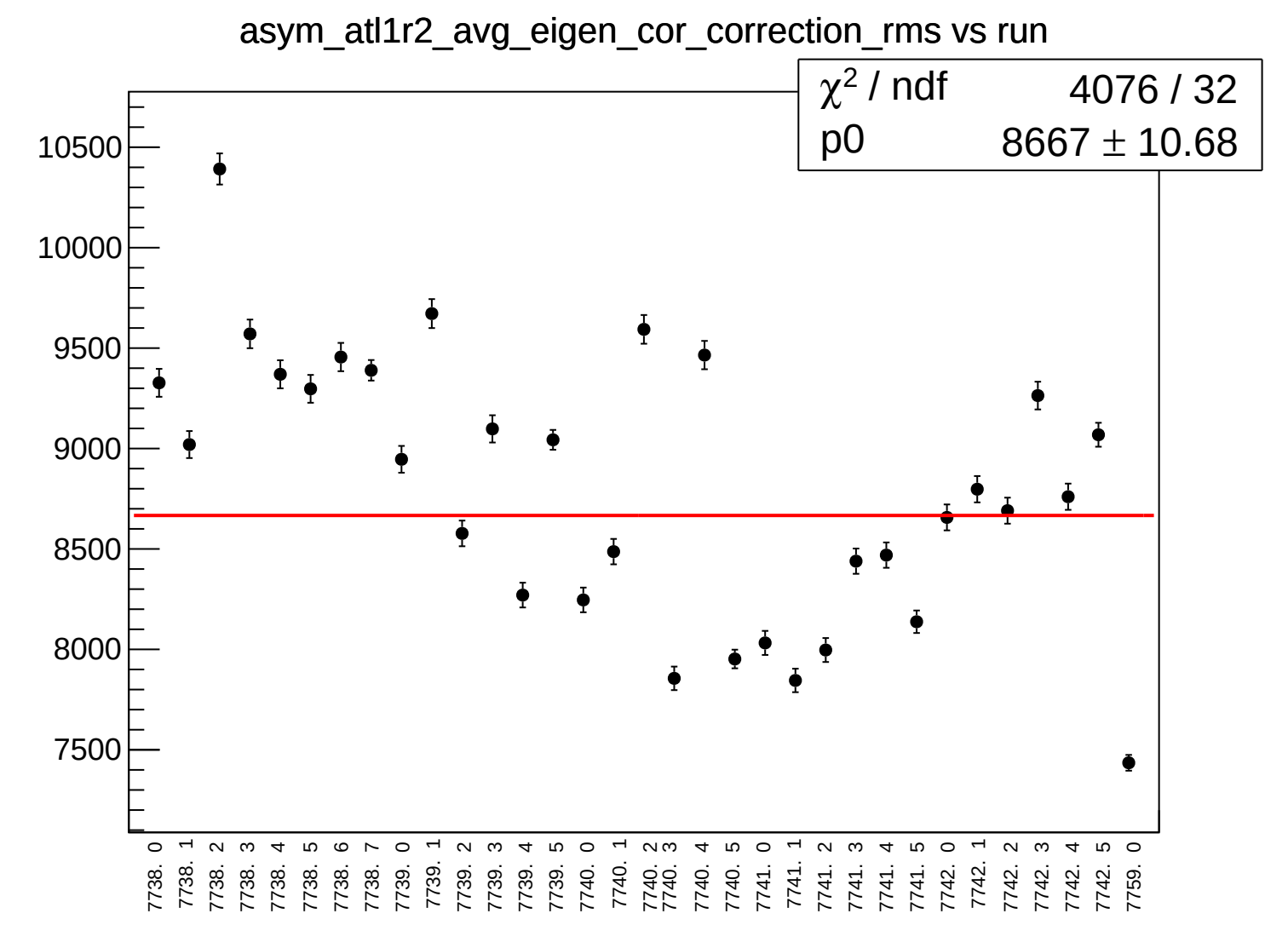

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 4076 / 32
p0 8667 ± 10.68
10500
10000
9500
9000
8500
8000
7500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

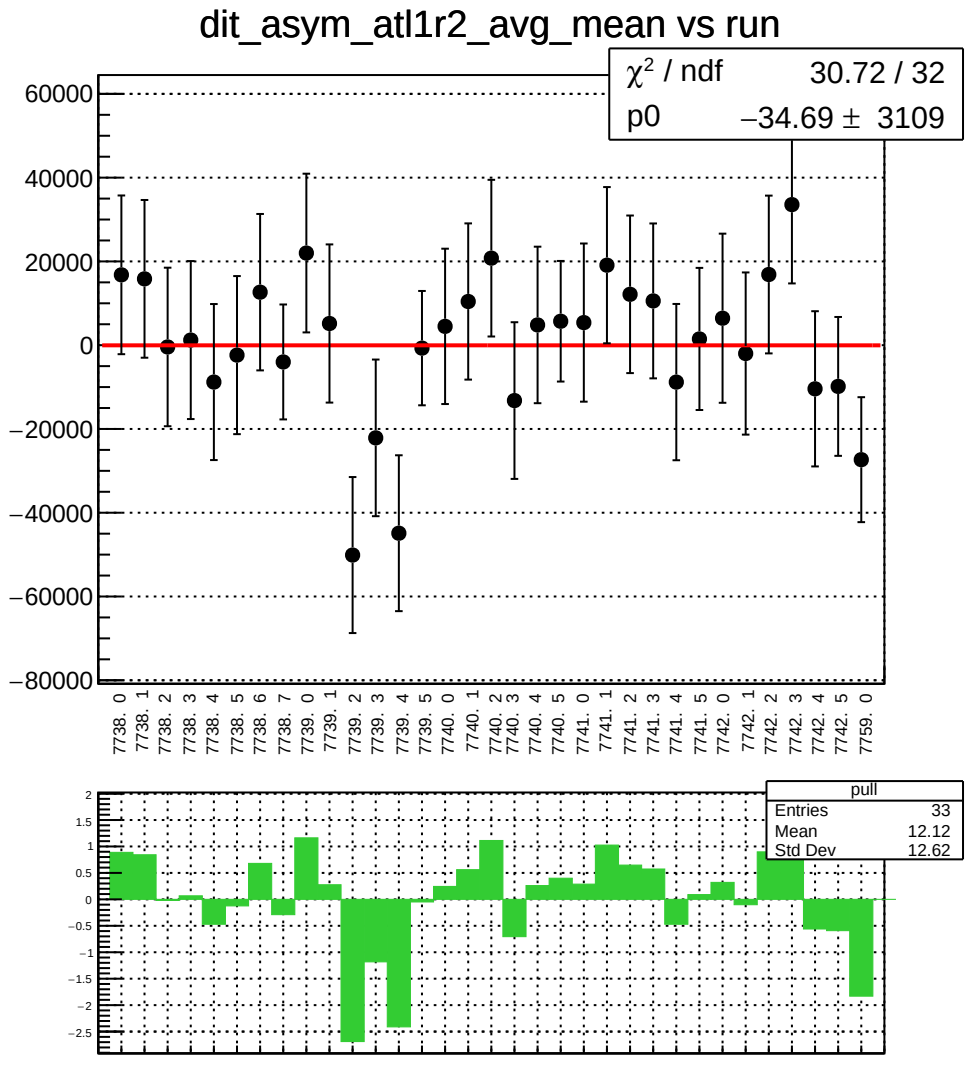

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 27.92 / 32
p0 211.9 ± 3092
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.36
Std Dev 11.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

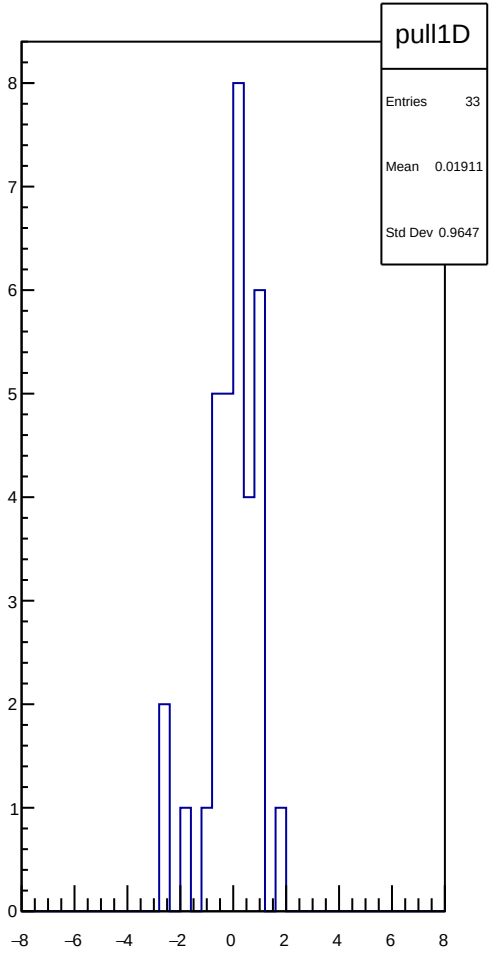

pull1D
Entries 33
Mean 0.01986
Std Dev 0.9196
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

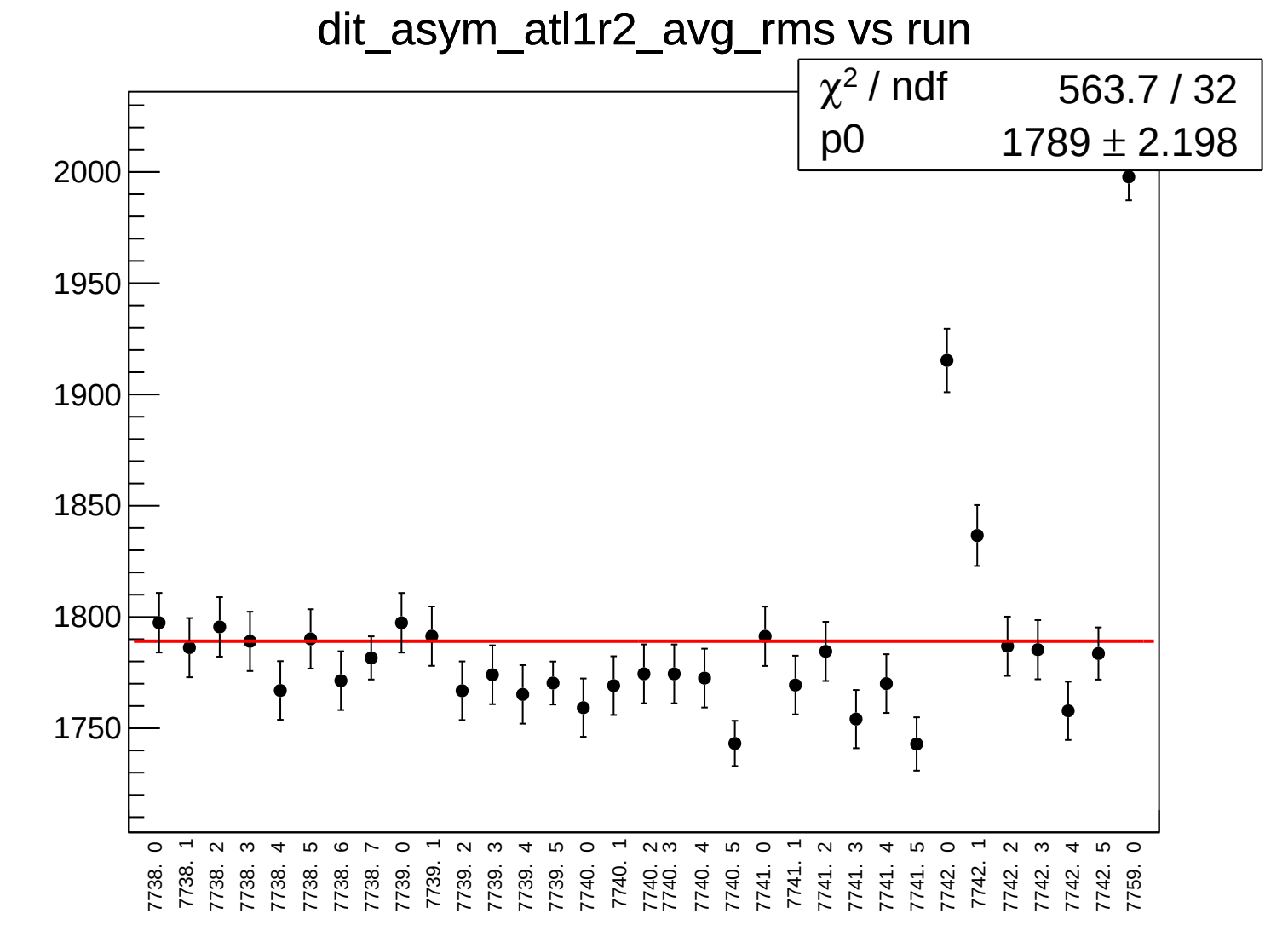

eigen_cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 195.7 / 32
p0 1780 ± 2.186
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

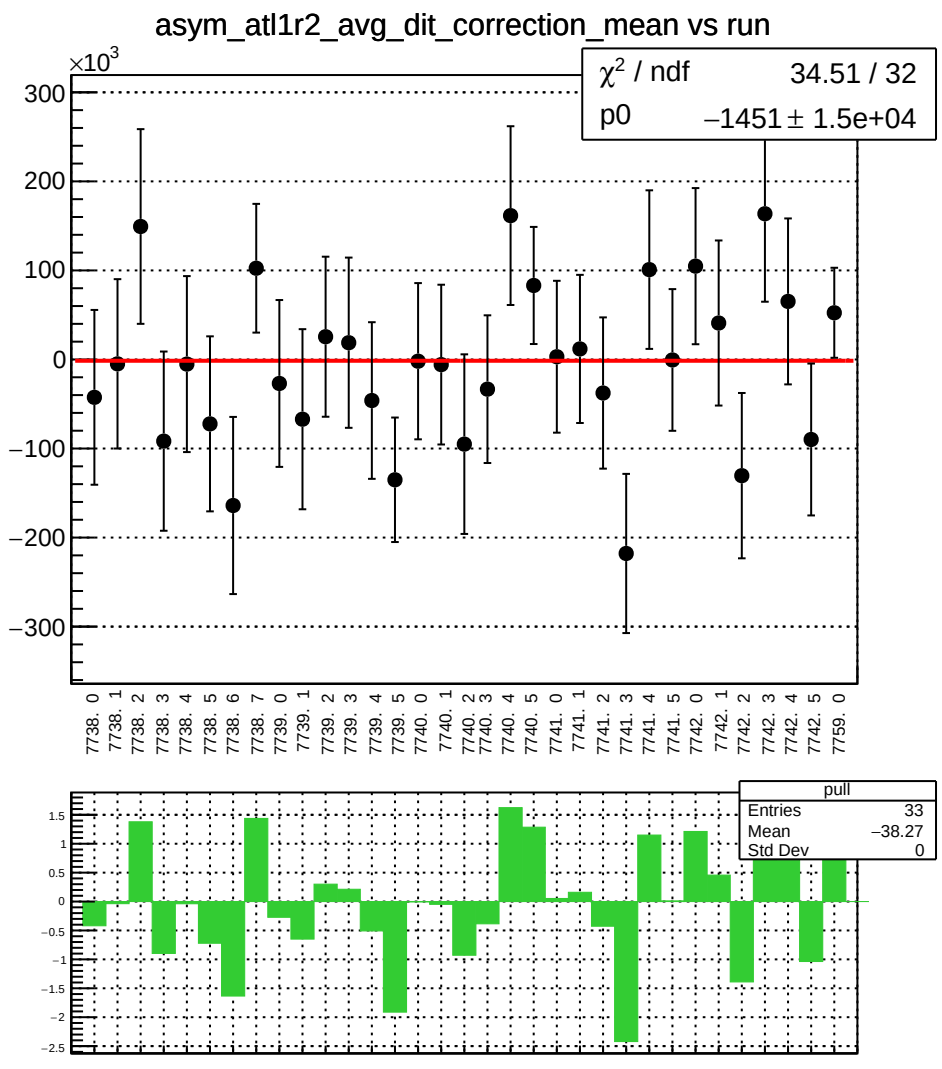

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.63 / 32
p0 −1945 ± 1.51e+04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −52.24
Std Dev 0
pull1D
Entries 33
Mean −0.02424
Std Dev 1.024

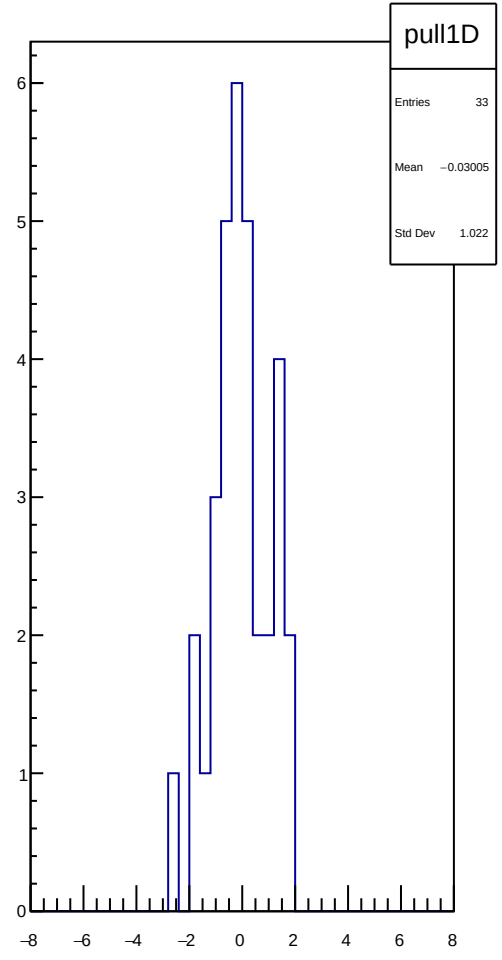

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4076 / 32
p0 8667 ± 10.68
10500
10000
9500
9000
8500
8000
7500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

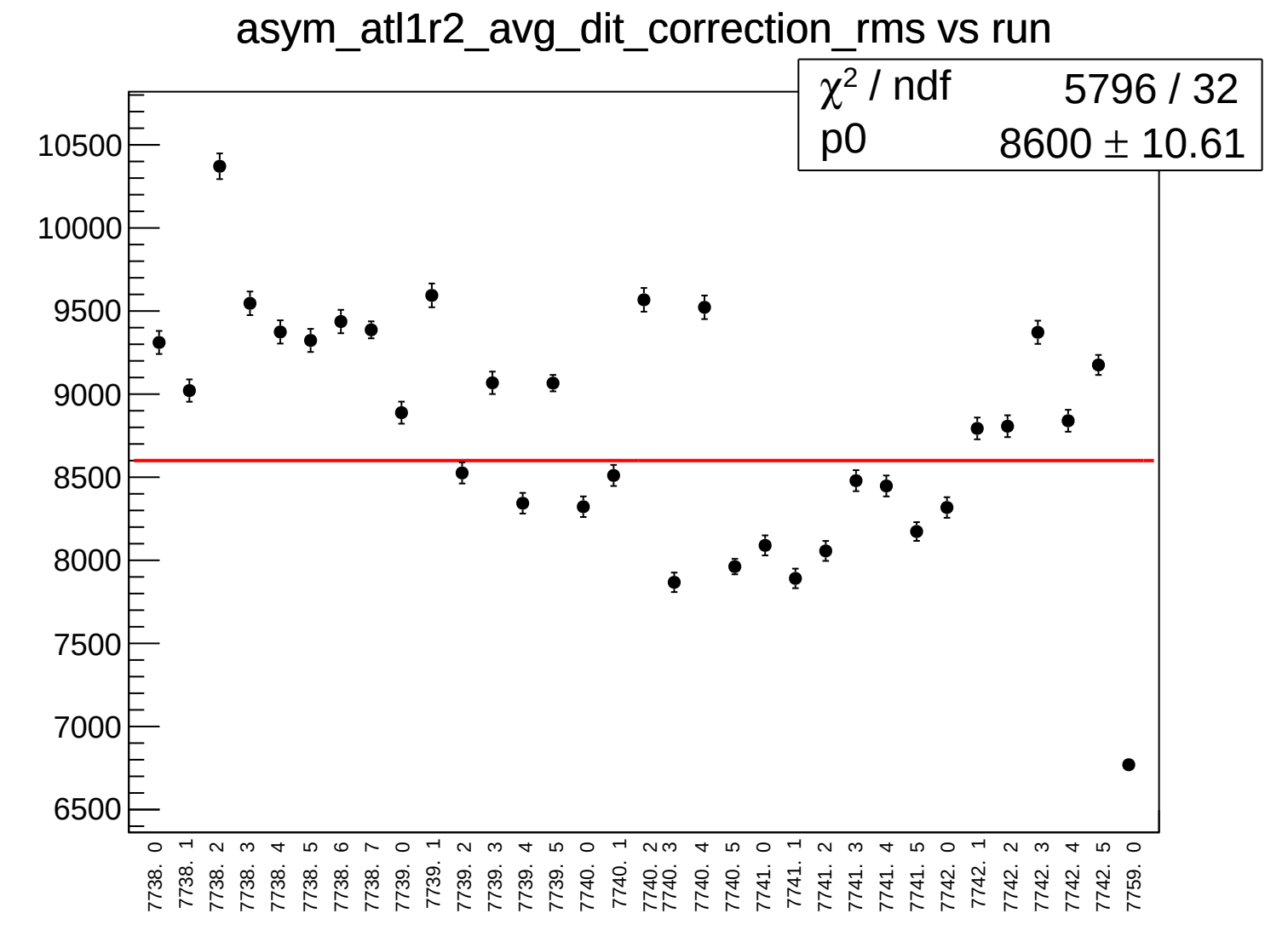

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 30.72 / 32
p0 −34.69 ± 3109
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.12
Std Dev 12.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

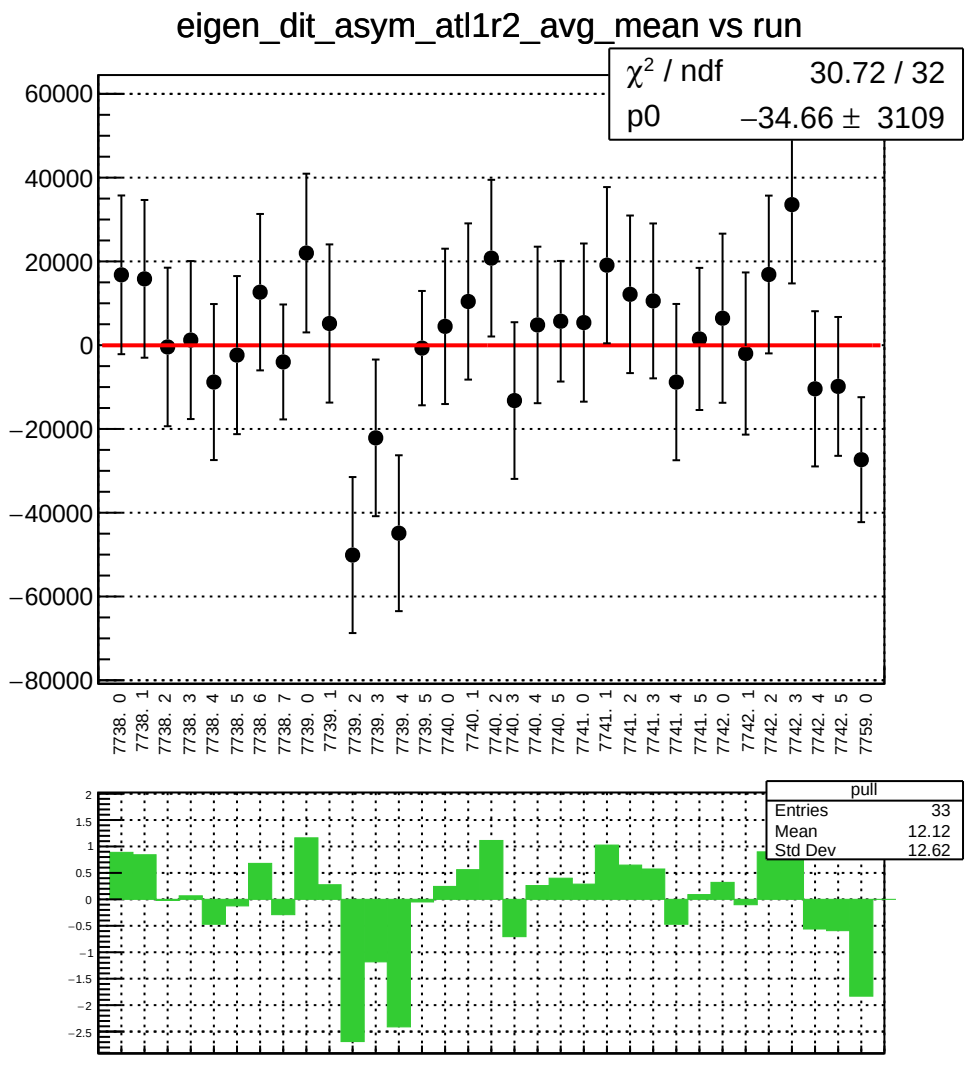

pull1D
Entries 33
Mean 0.01911
Std Dev 0.9647
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

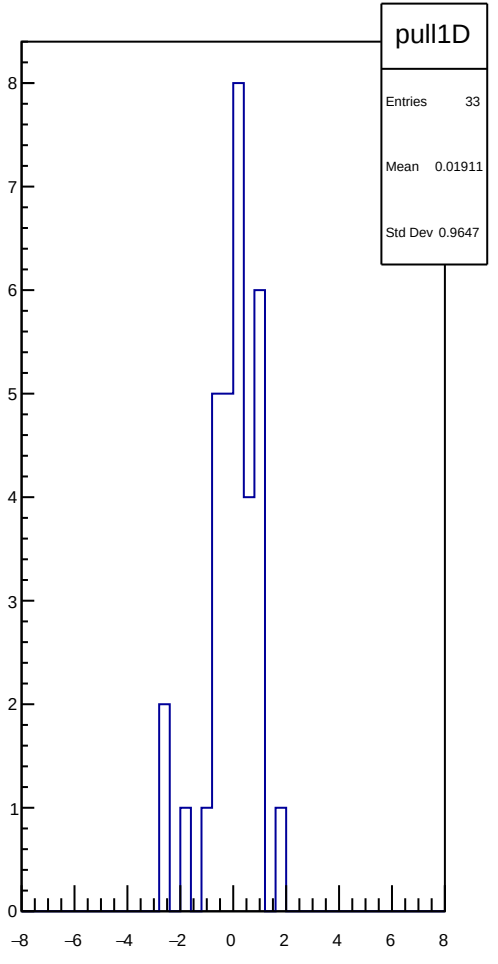

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 563.7 / 32
p0 1789 ± 2.198
2000
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

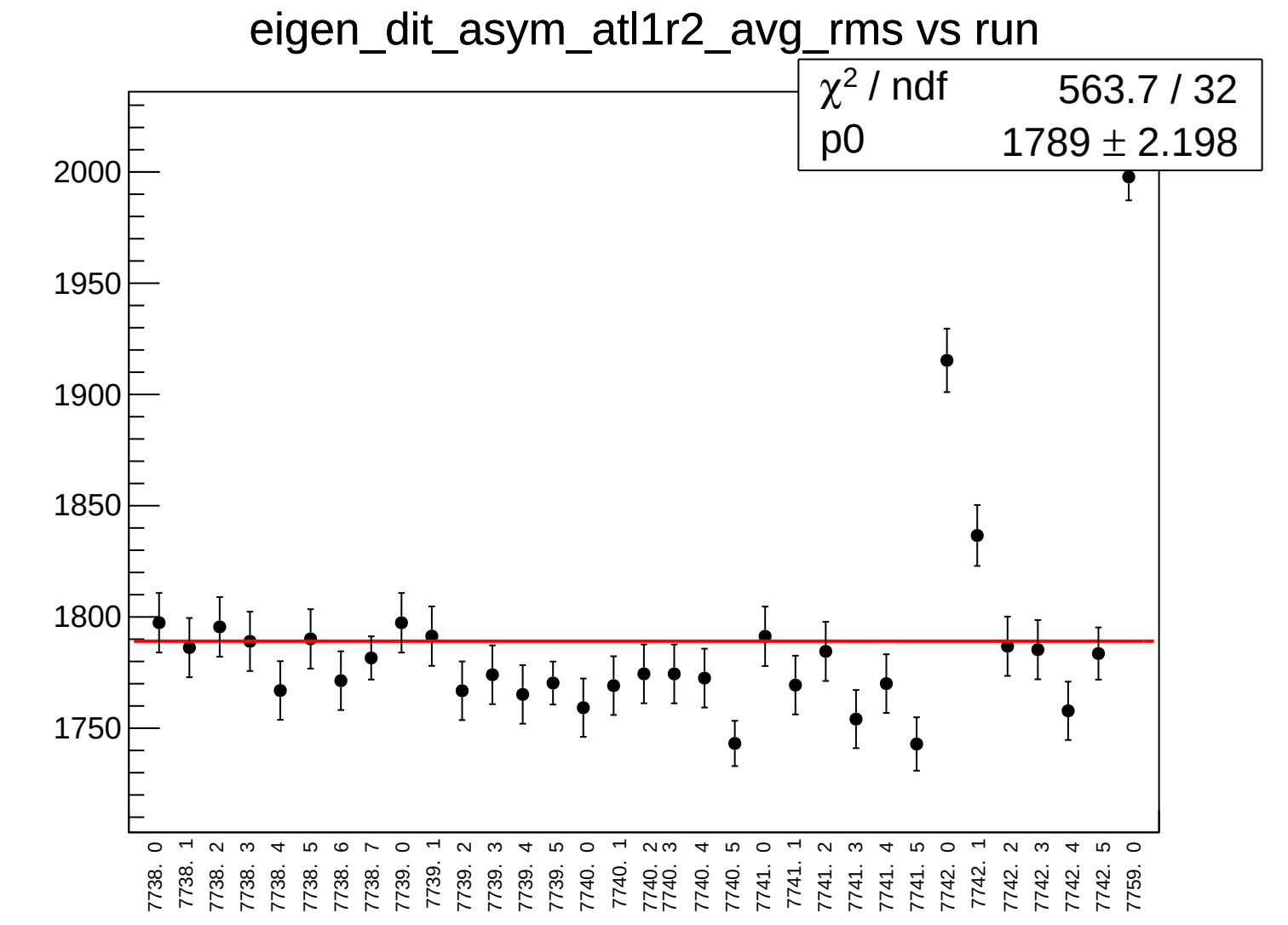

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.51 / 32
p0 −1451 ± 1.5e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

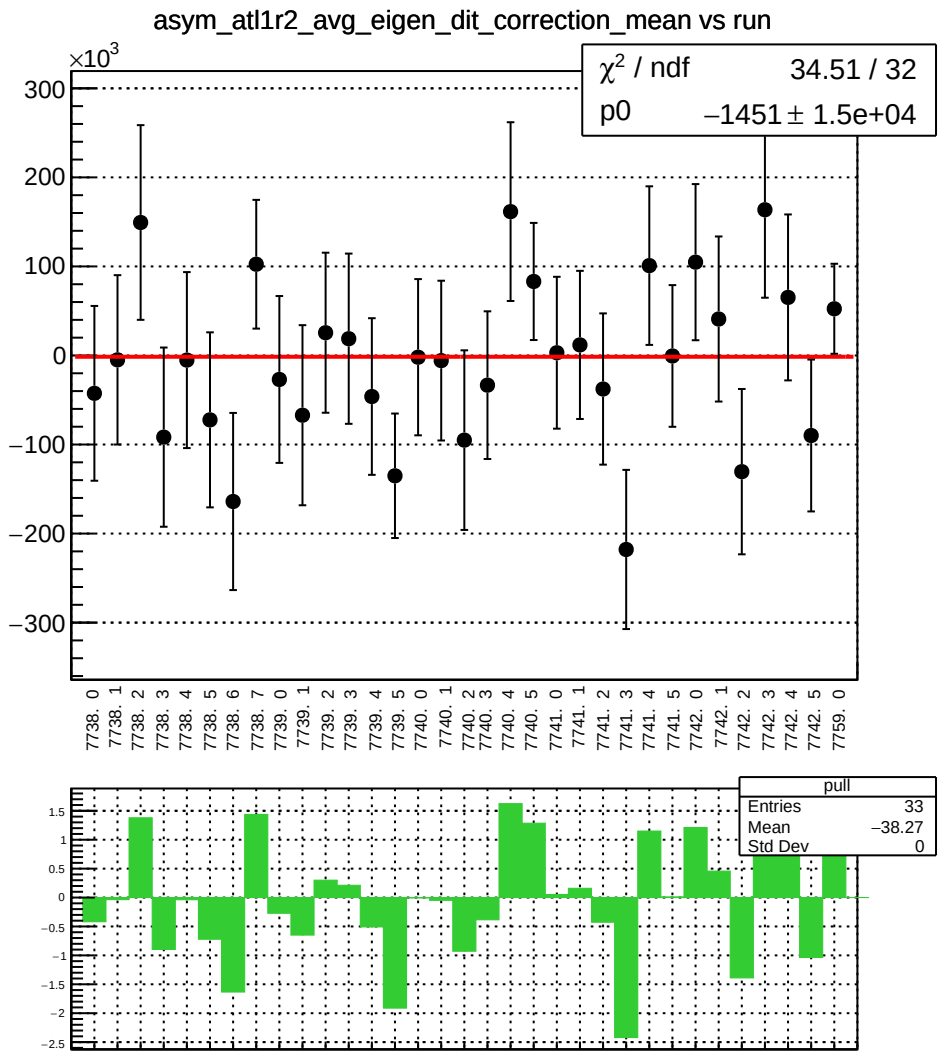

pull1D
Entries 33
Mean −0.03005
Std Dev 1.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

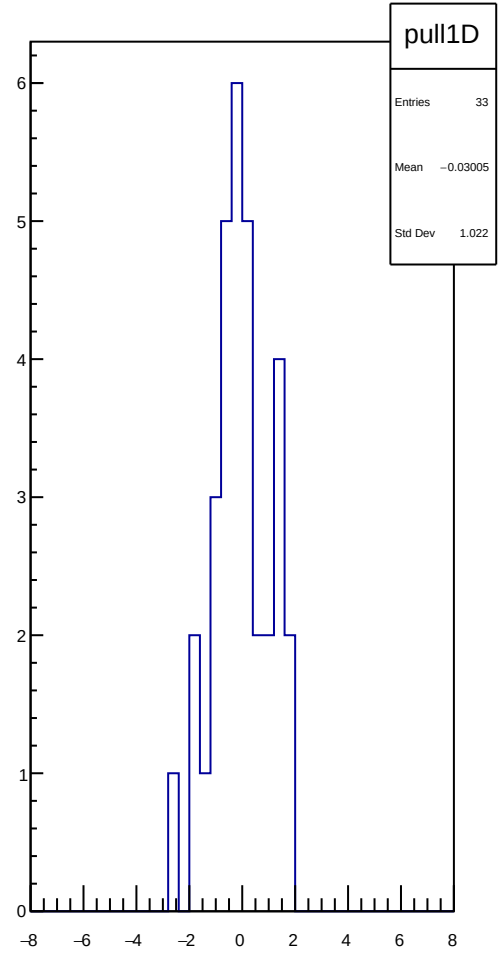

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 5796 / 32
p0 8600 ± 10.61
10500
10000
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

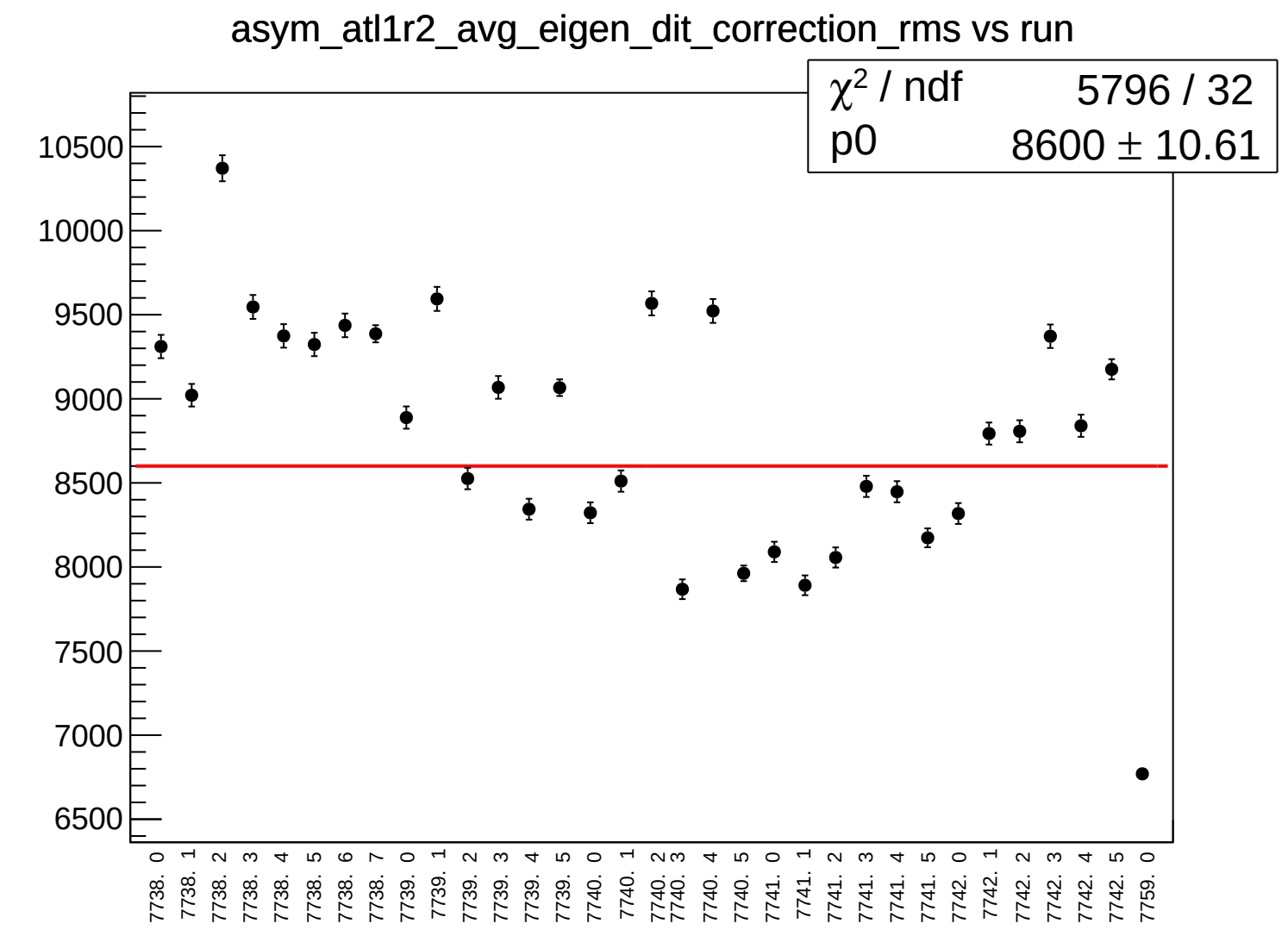

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 30.72 / 32
p0 −34.66 ± 3109
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.12
Std Dev 12.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

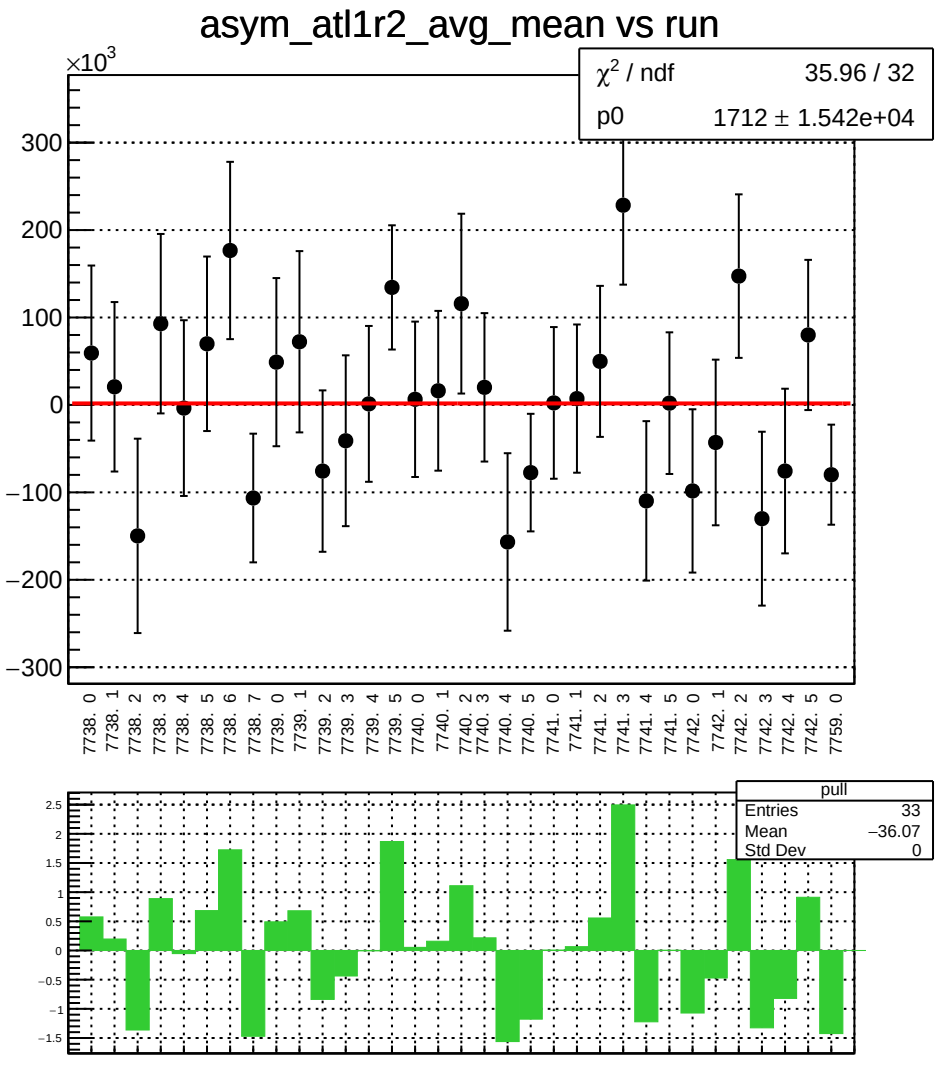

pull1D
Entries 33
Mean 0.01911
Std Dev 0.9647
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

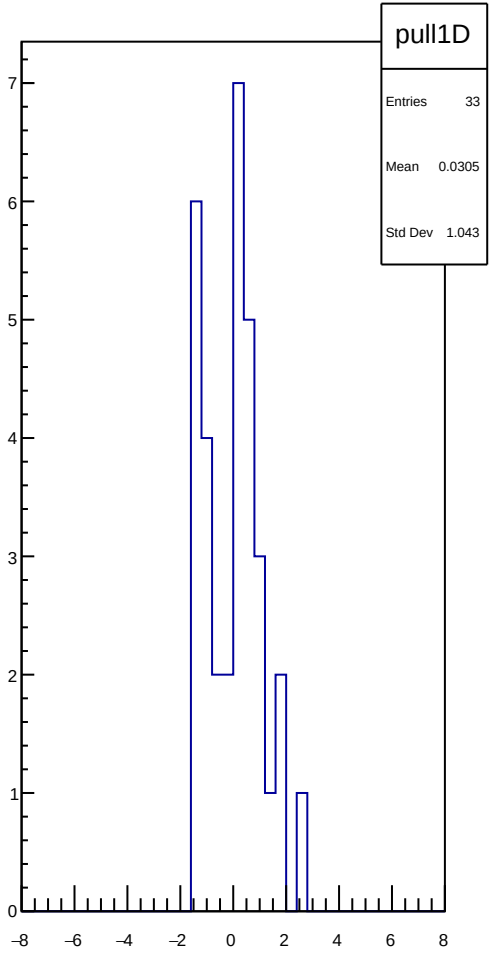

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 563.7 / 32
p0 1789 ± 2.198
2000
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

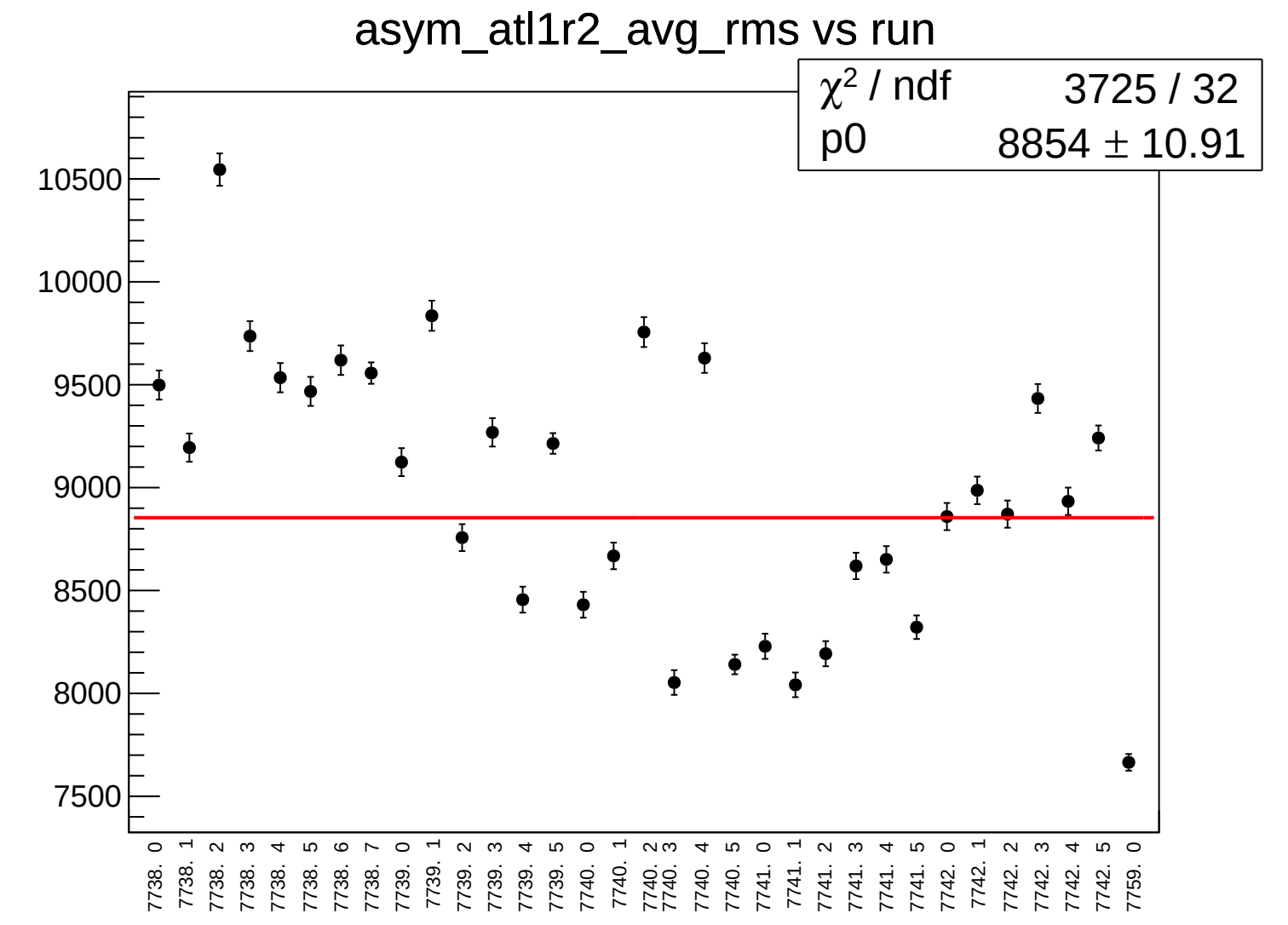

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.51 / 32
p0 −1451 ± 1.5e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

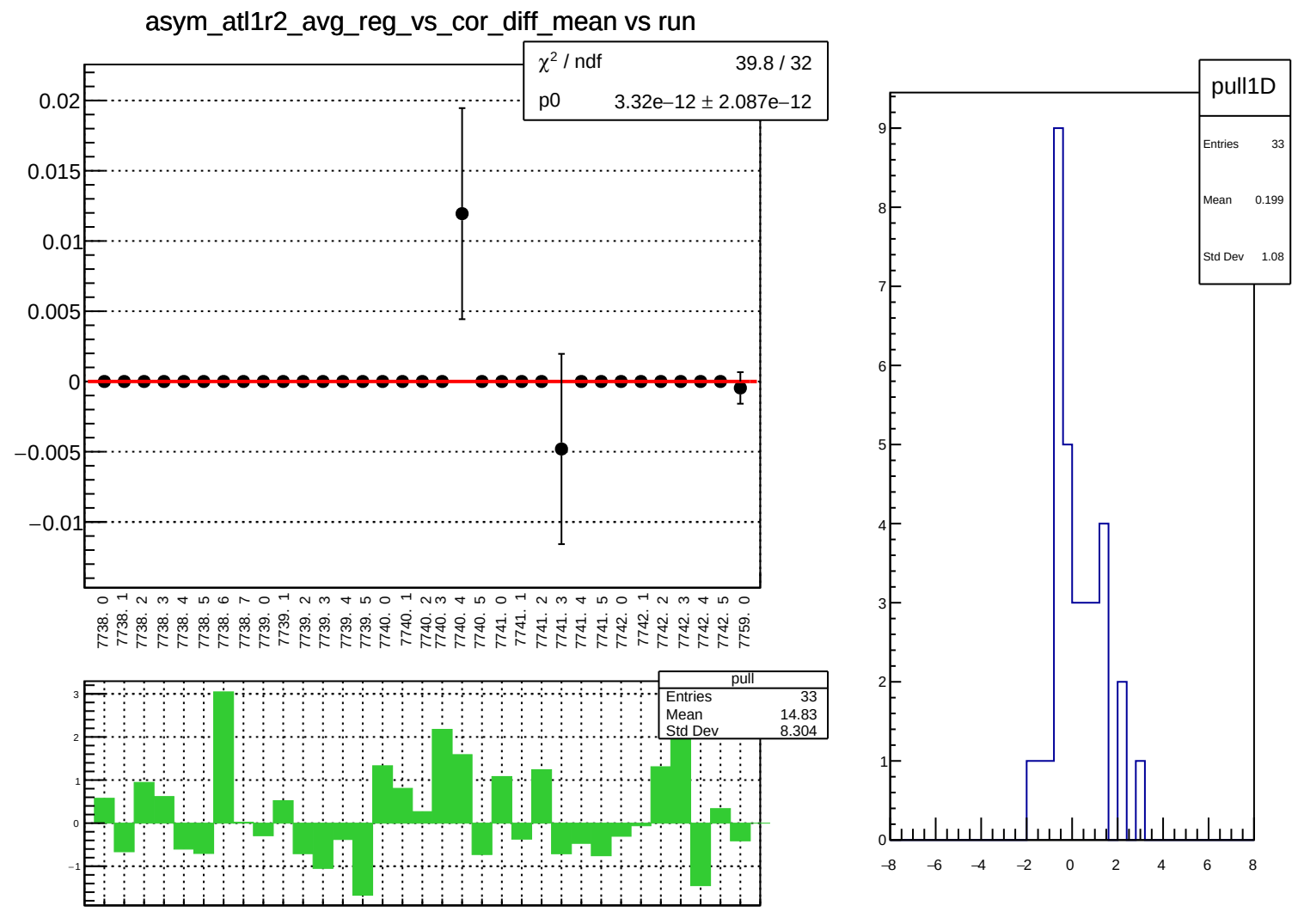

pull1D
Entries 33
Mean −0.03005
Std Dev 1.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

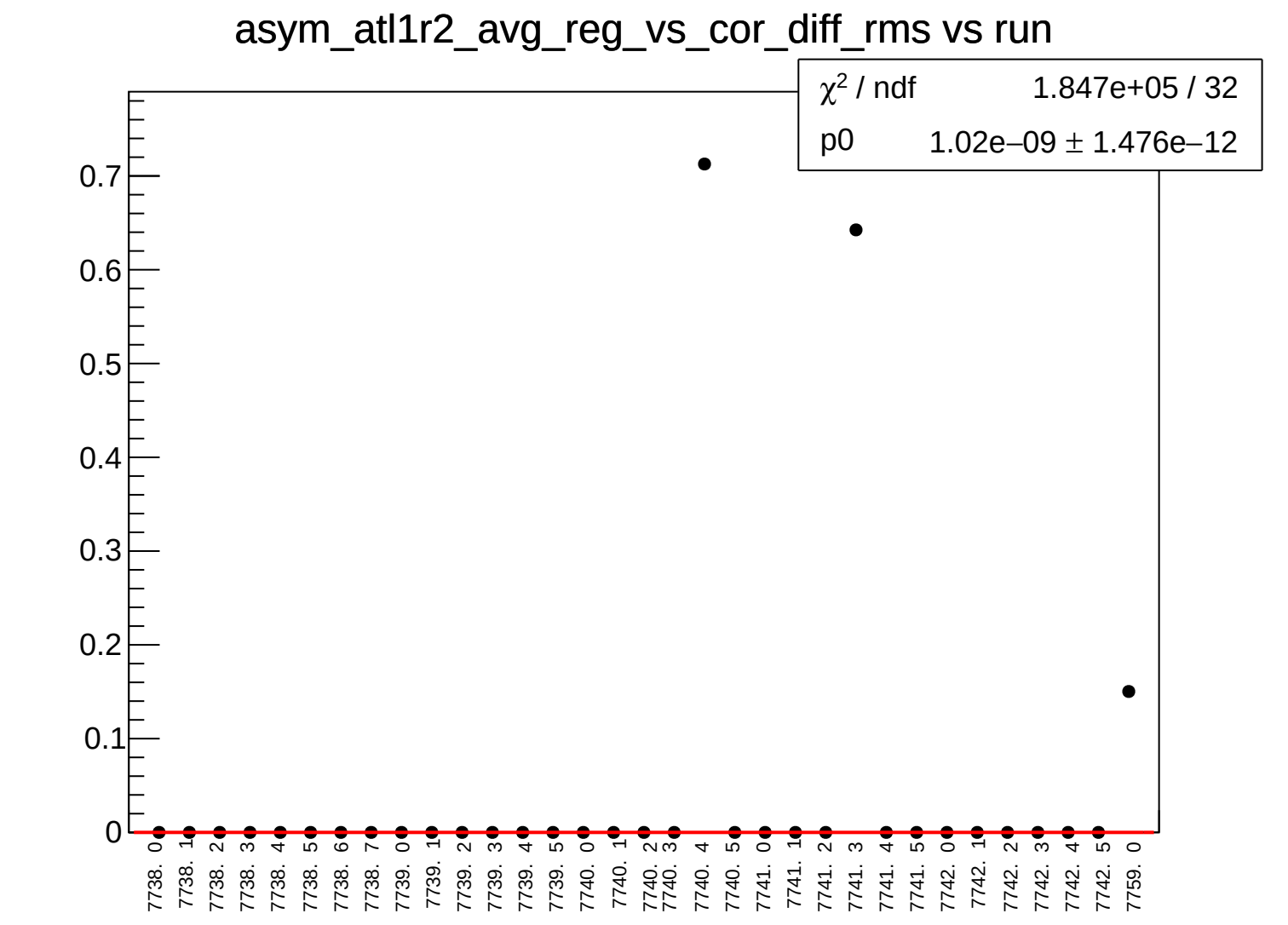

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 5796 / 32
p0 8600 ± 10.61
10500
10000
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

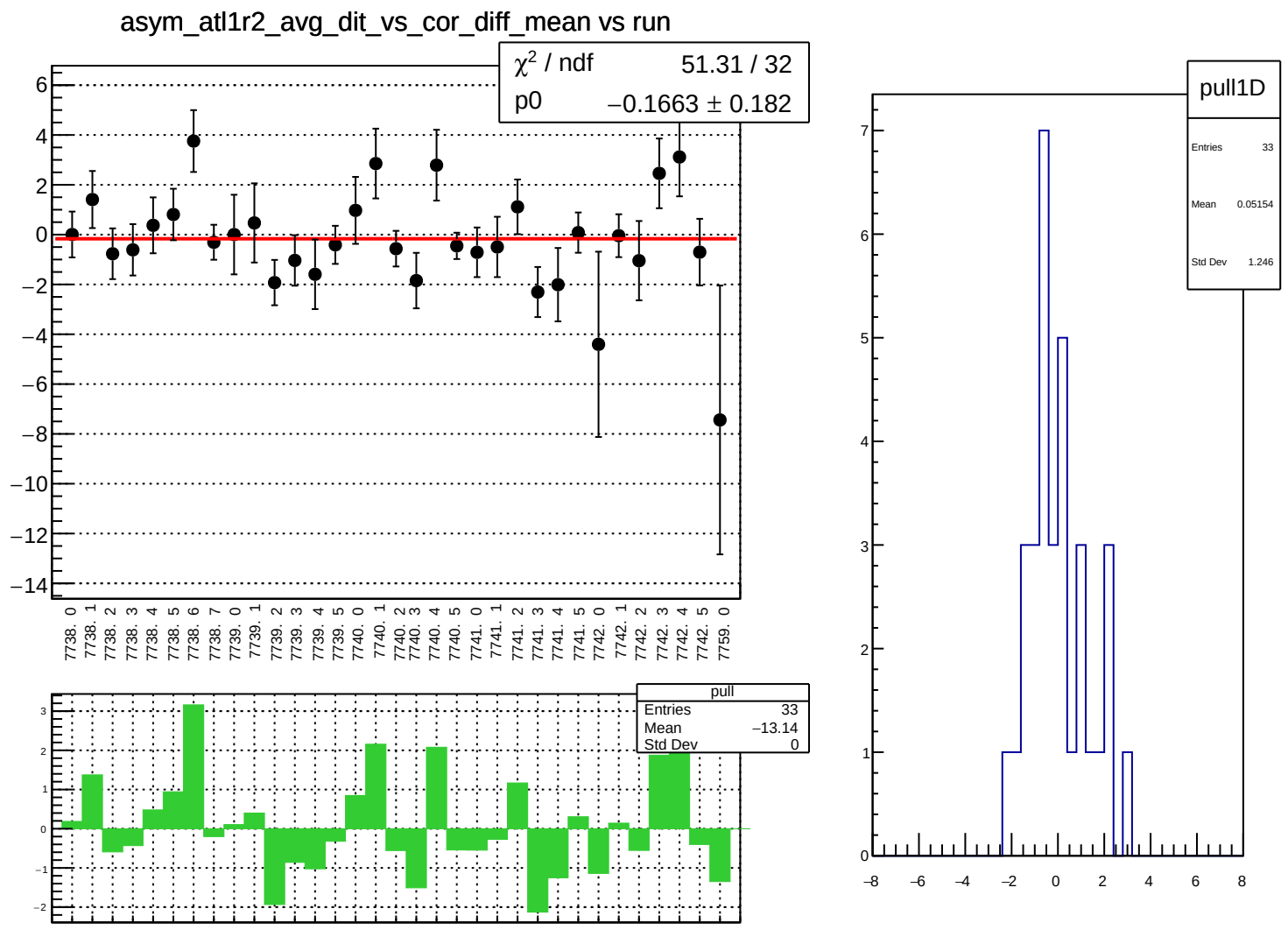

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 35.96 / 32
p0 1712 ± 1.542e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −36.07
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

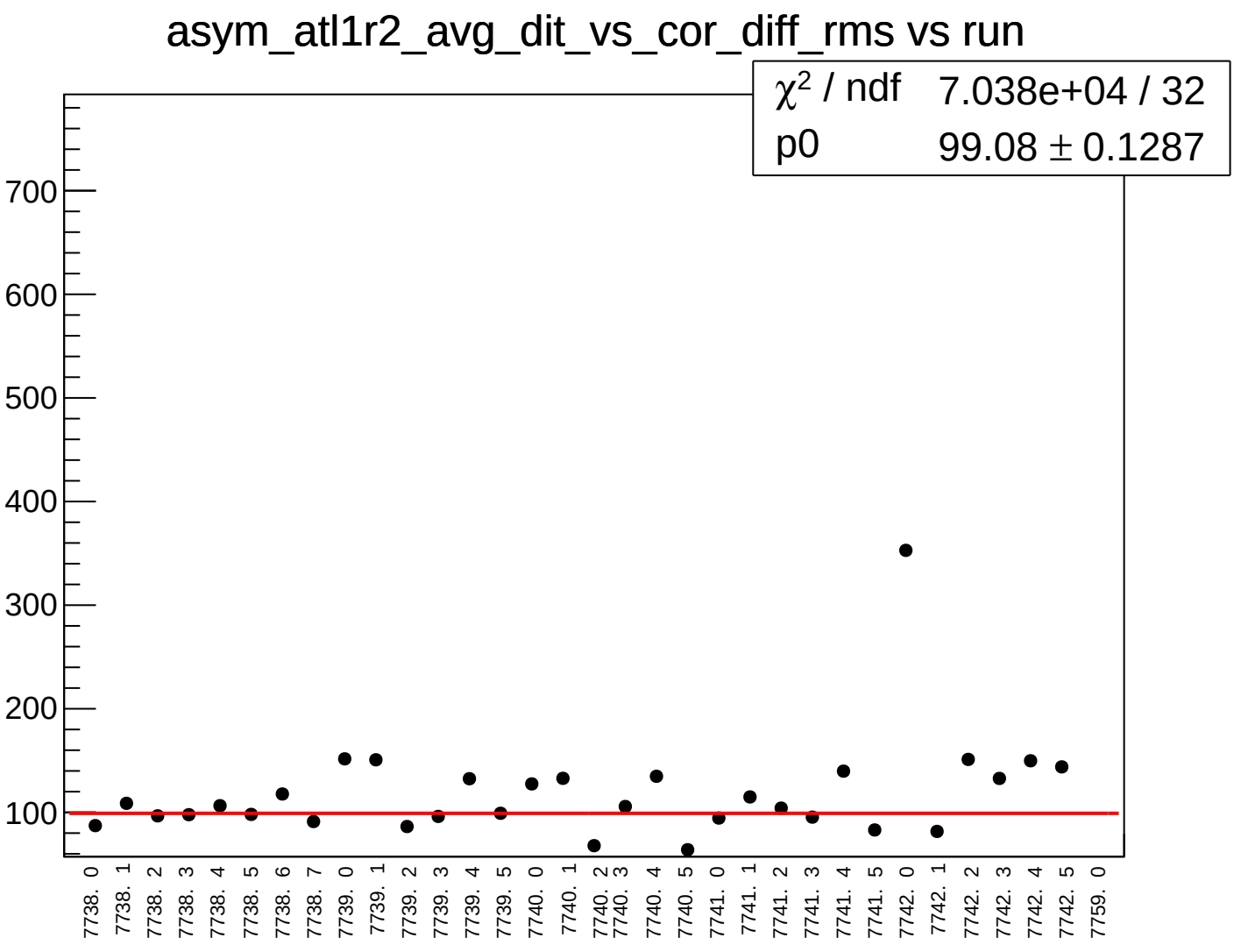

pull1D
Entries 33
Mean 0.0305
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

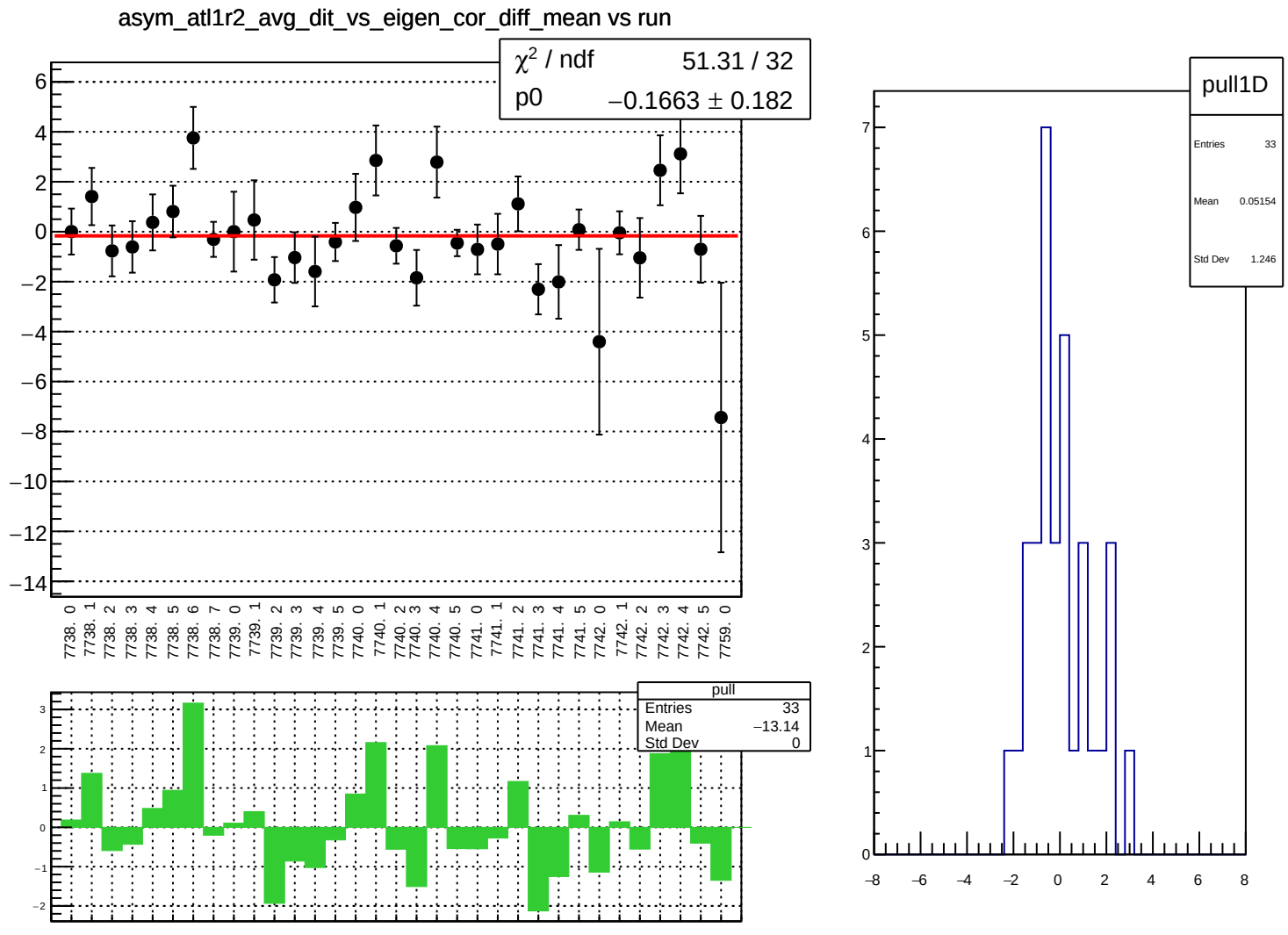

asym_atl1r2_avg_rms vs run
χ² / ndf 3725 / 32
p0 8854 ± 10.91
10500
10000
9500
9000
8500
8000
7500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

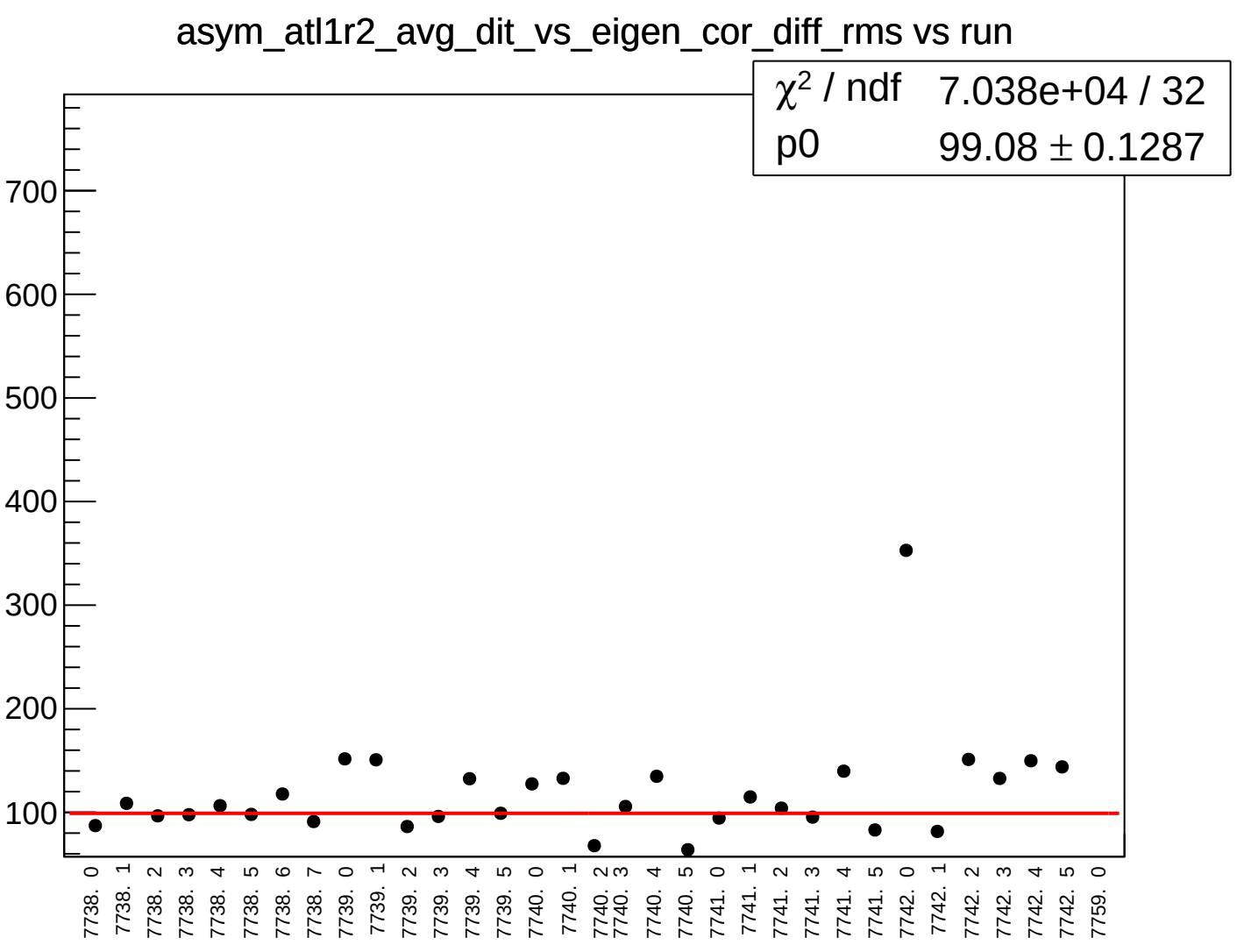

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 39.8 / 32
p0 3.32e−12 ± 2.087e−12
0.02
0.015
0.01
0.005
0
−0.005
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.83
Std Dev 8.304
pull1D
Entries 33
Mean 0.199
Std Dev 1.08

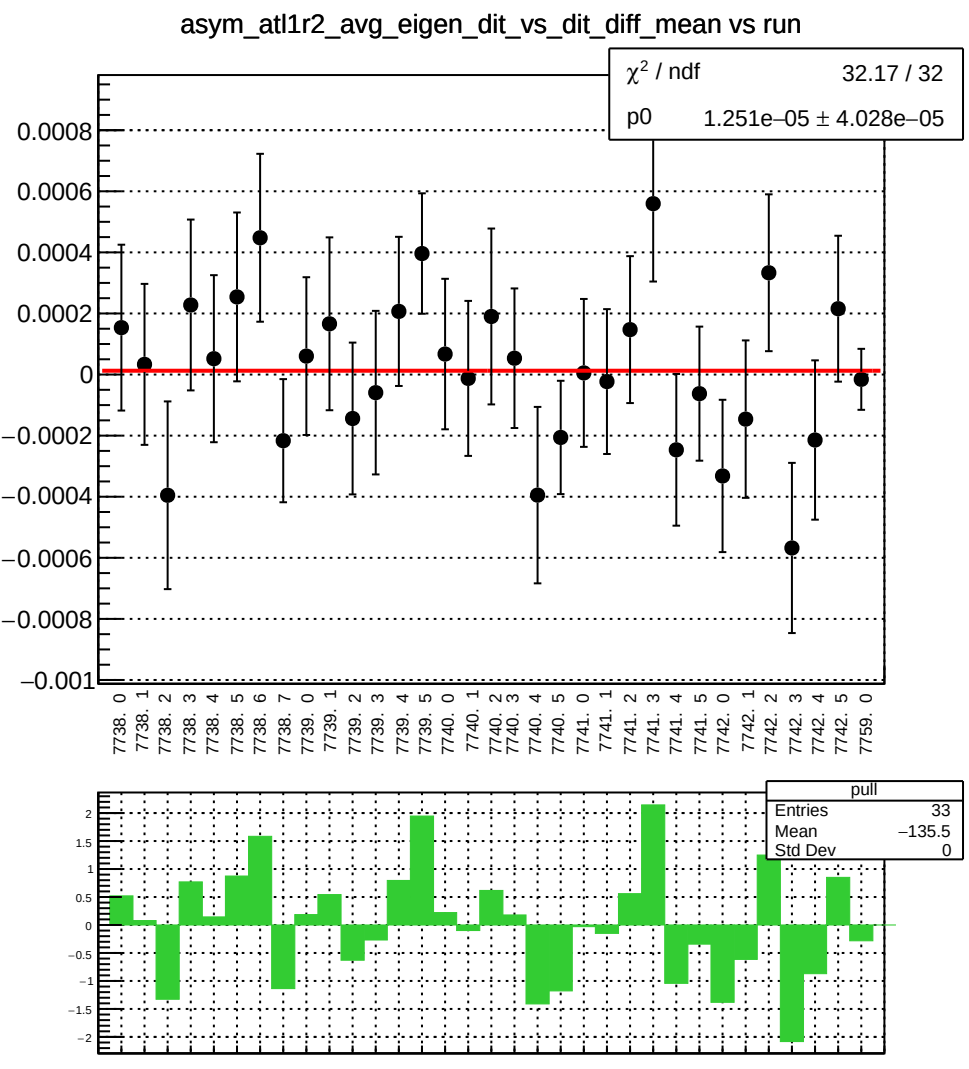

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.847e+05 / 32
p0 1.02e−09 ± 1.476e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

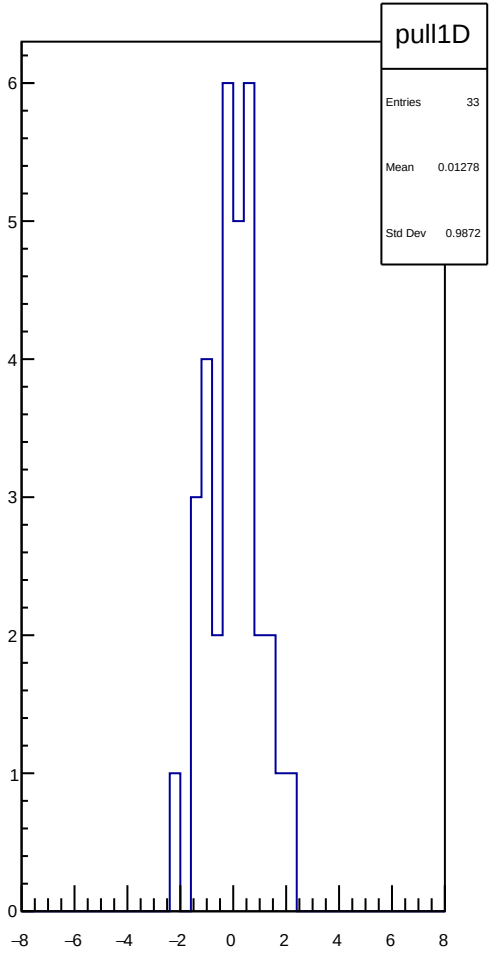

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.31 / 32
p0 −0.1663 ± 0.182
pull
Entries 33
Mean −13.14
Std Dev 0
pull1D
Entries 33
Mean 0.05154
Std Dev 1.246

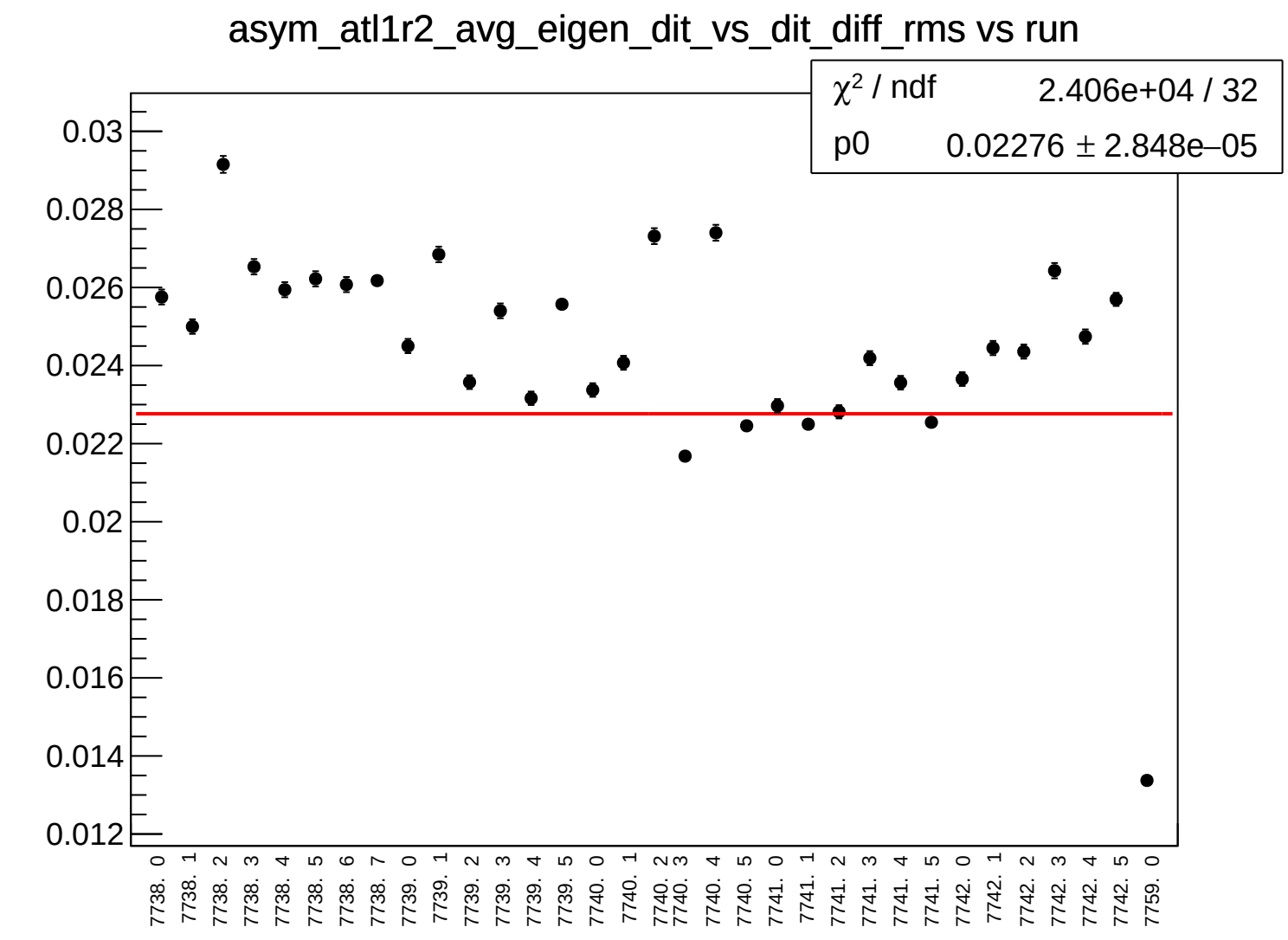

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.038e+04 / 32
p0 99.08 ± 0.1287
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

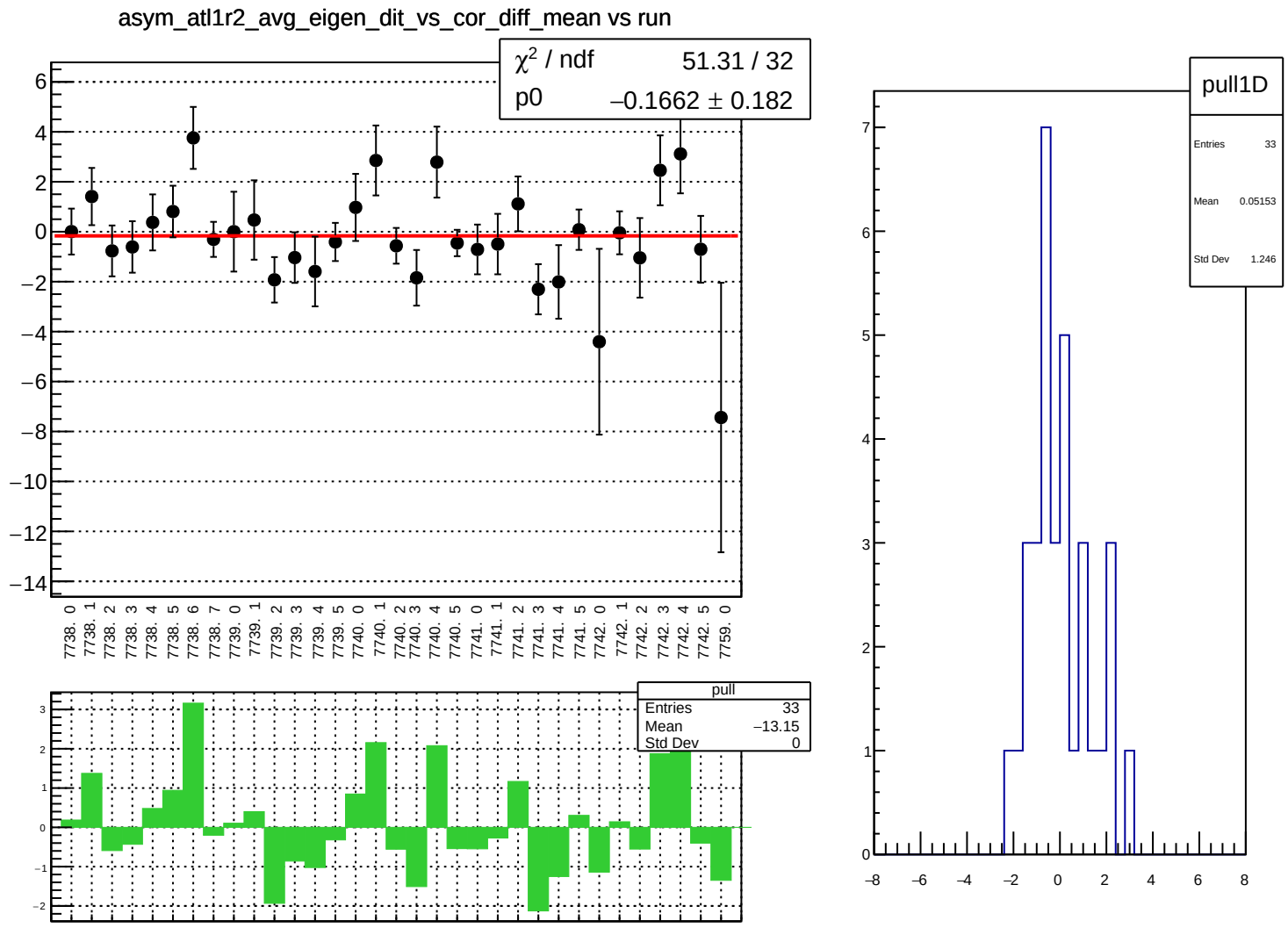

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.31 / 32
p0 −0.1663 ± 0.182
pull
Entries 33
Mean −13.14
Std Dev 0
pull1D
Entries 33
Mean 0.05154
Std Dev 1.246

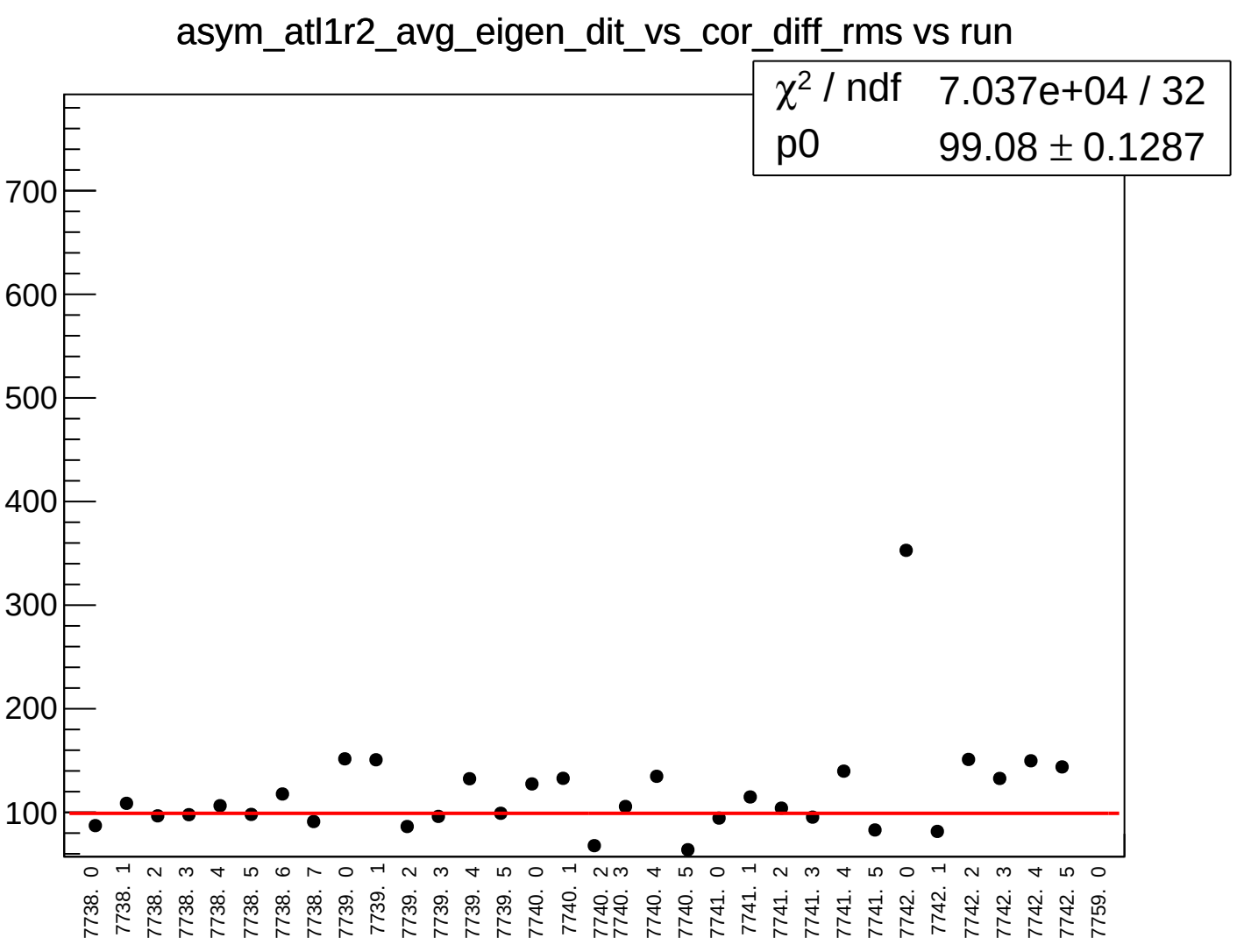

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.038e+04 / 32
p0 99.08 ± 0.1287
700
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

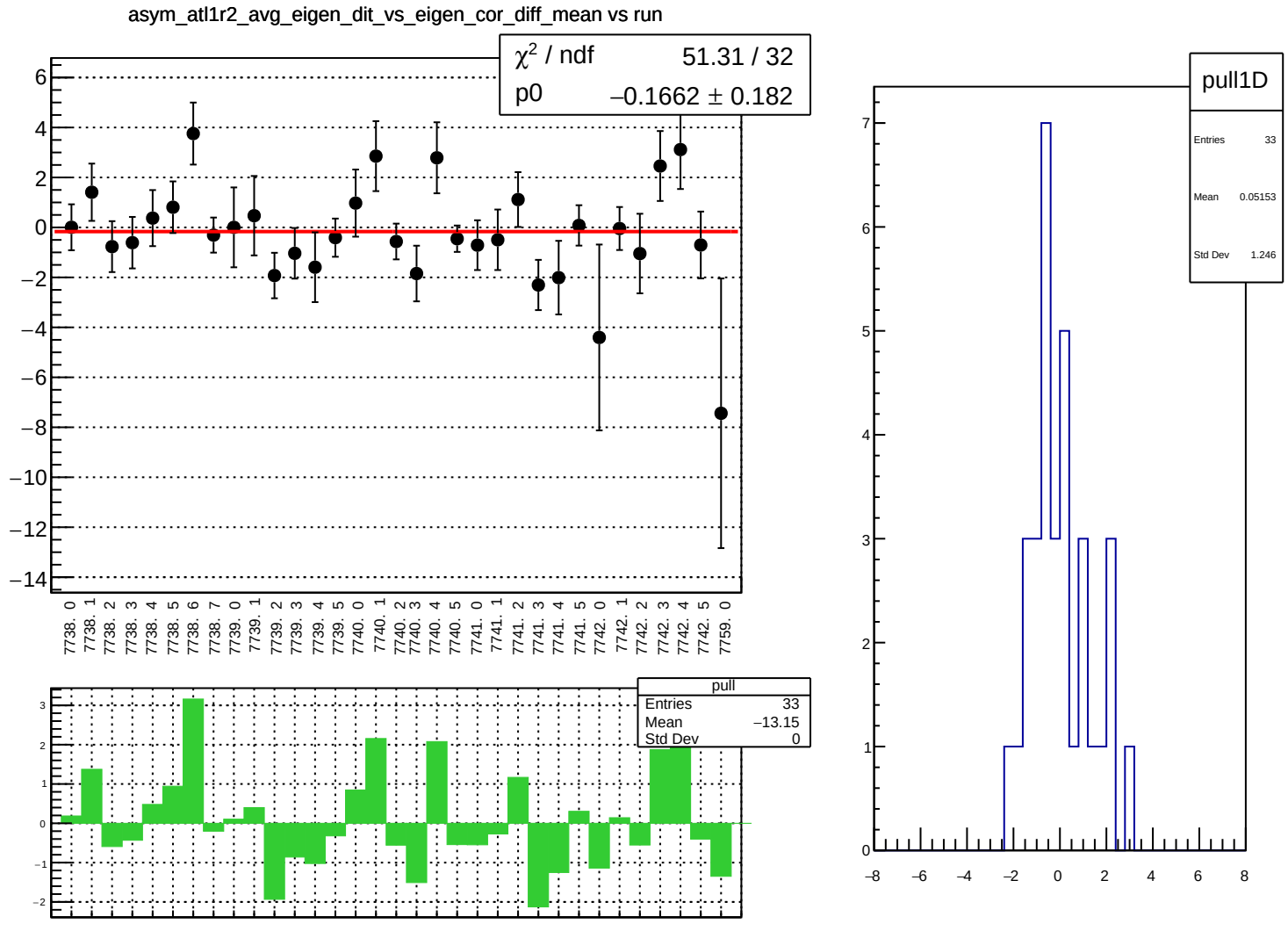

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 32.17 / 32
p0 1.251e−05 ± 4.028e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −135.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

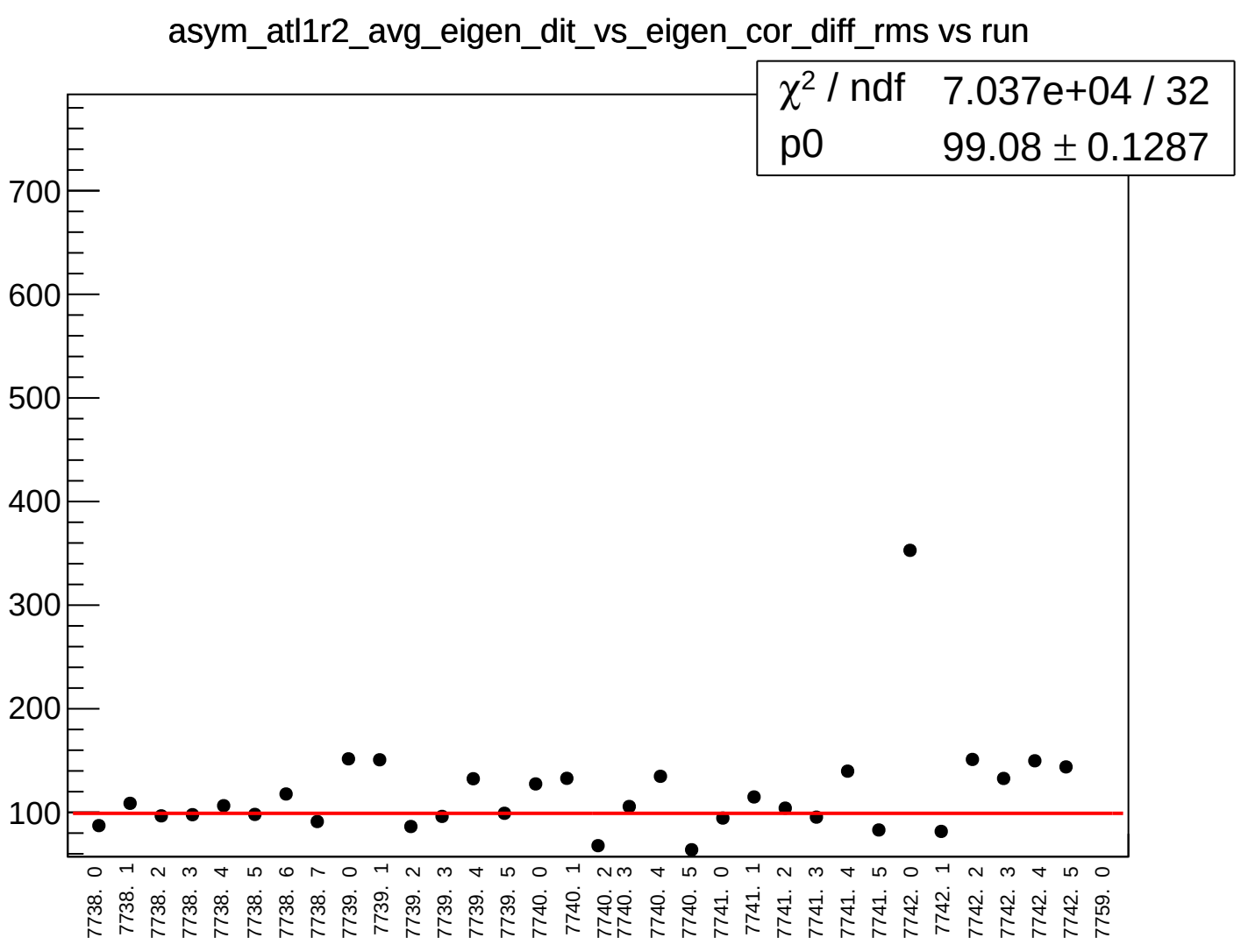

pull1D
Entries 33
Mean 0.01278
Std Dev 0.9872
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

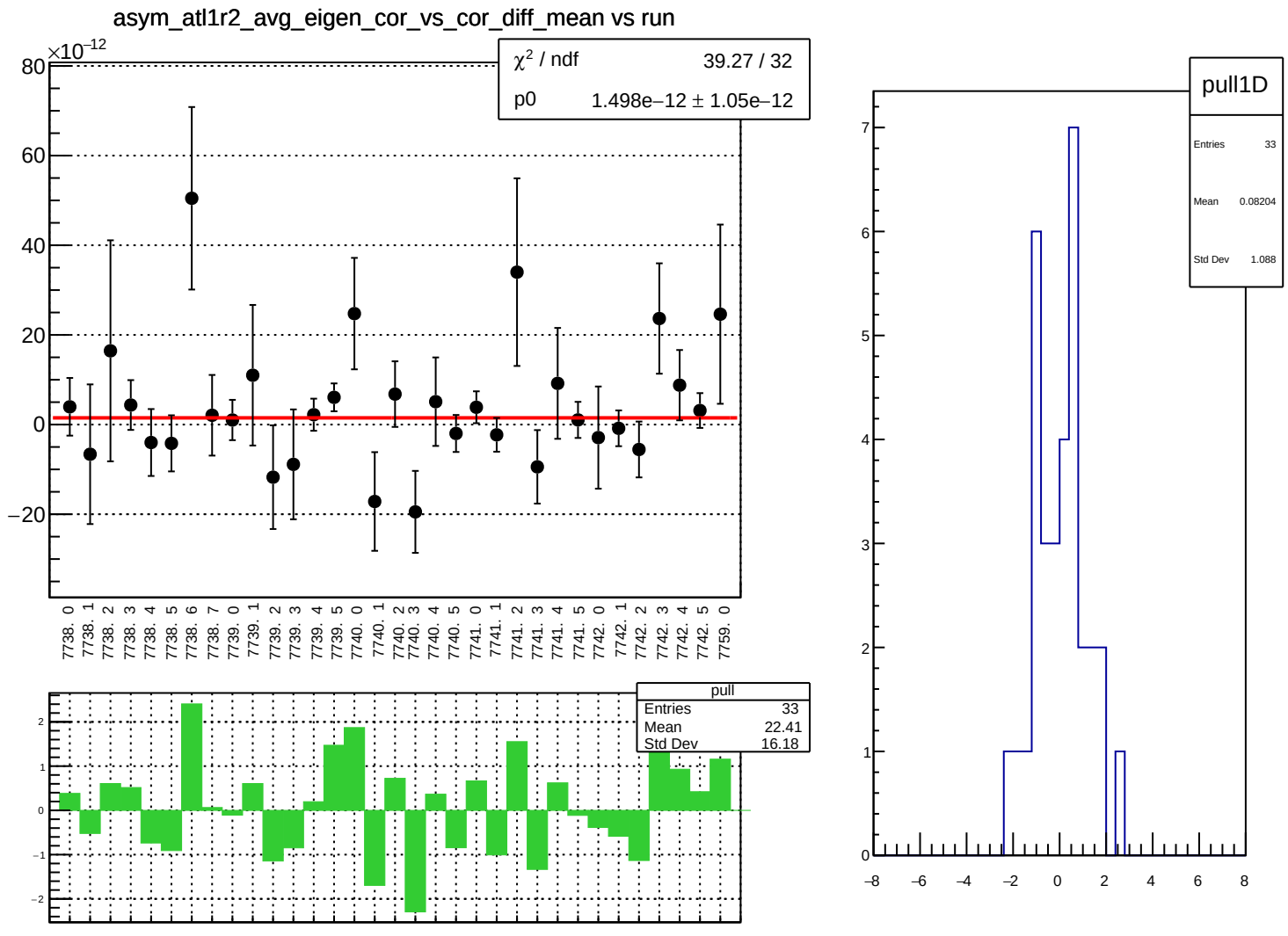

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.406e+04 / 32
p0 0.02276 ± 2.848e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

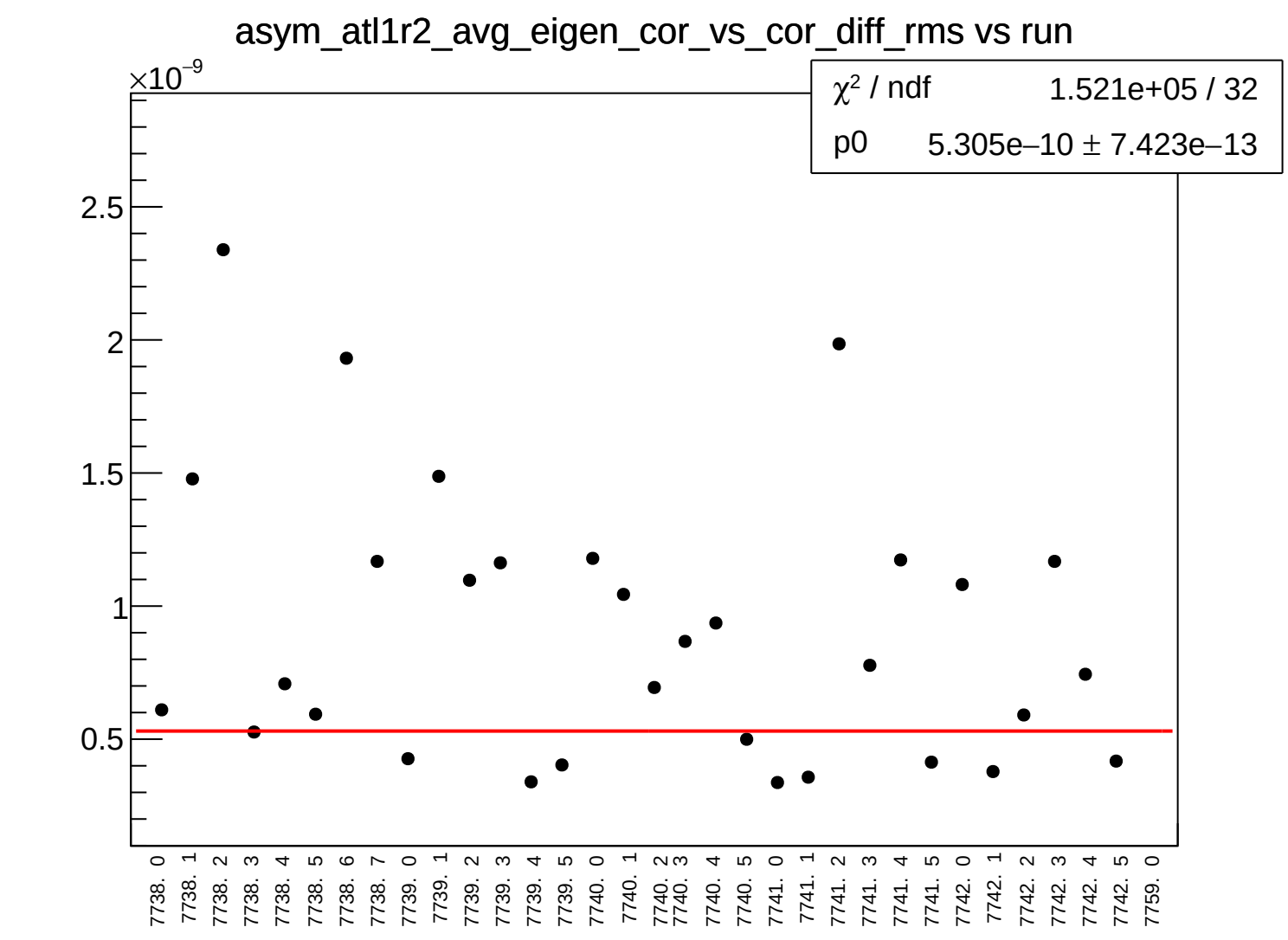

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.31 / 32
p0 −0.1662 ± 0.182
pull
Entries 33
Mean −13.15
Std Dev 0
pull1D
Entries 33
Mean 0.05153
Std Dev 1.246

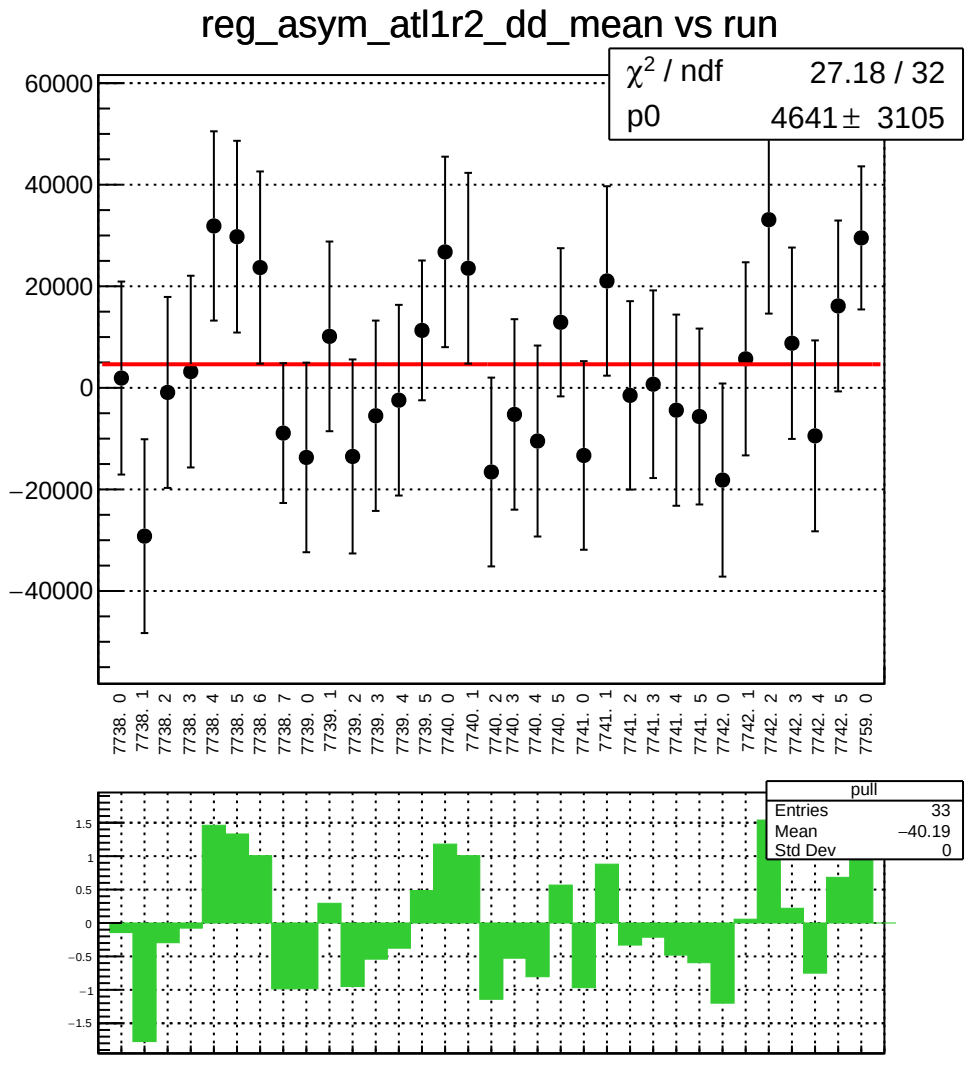

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.037e+04 / 32
p0 99.08 ± 0.1287
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

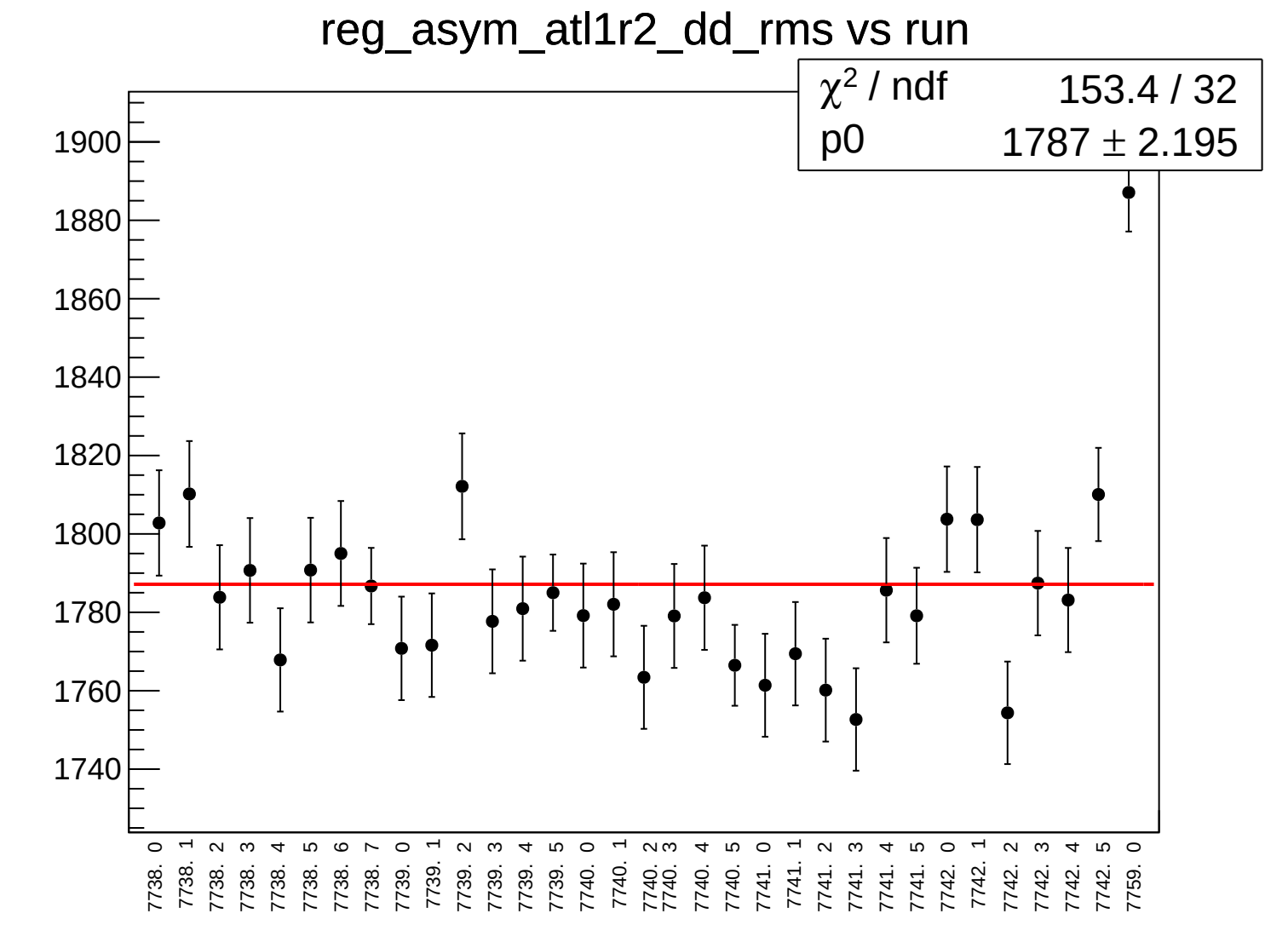

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.31 / 32
p0 −0.1662 ± 0.182
pull
Entries 33
Mean −13.15
Std Dev 0
pull1D
Entries 33
Mean 0.05153
Std Dev 1.246

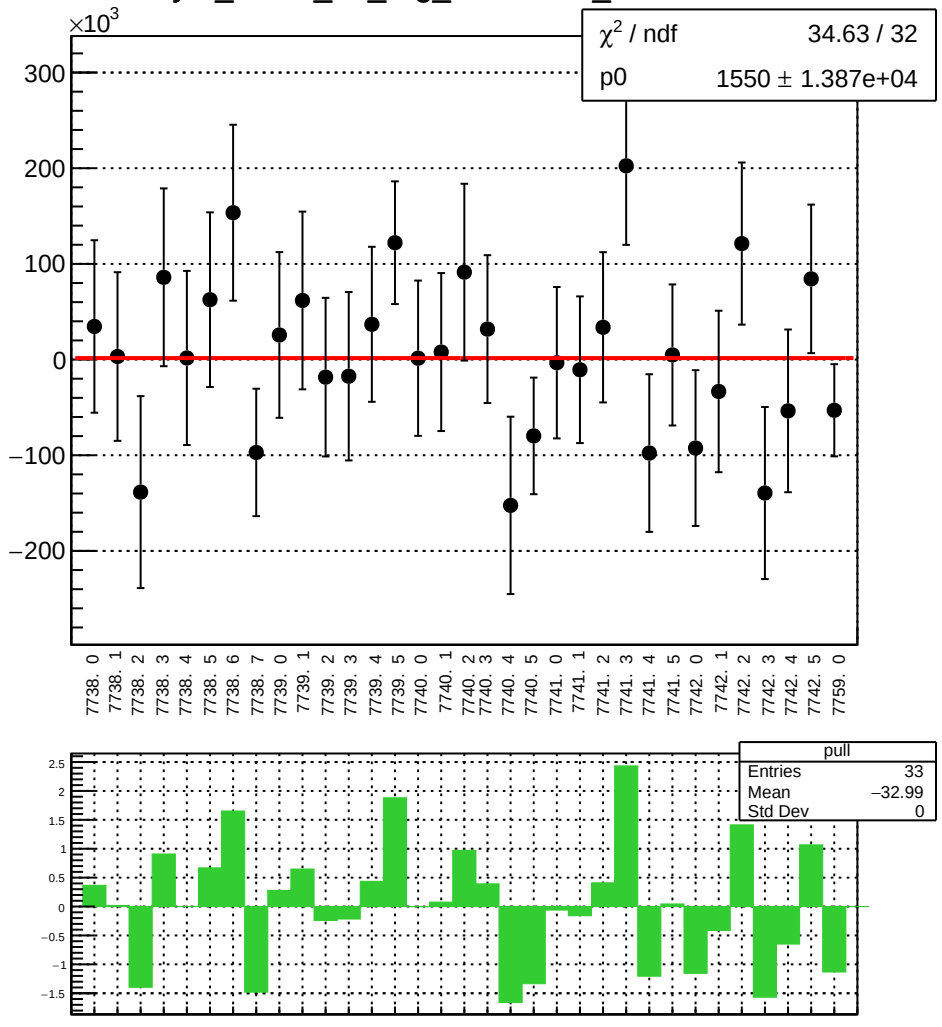

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.037e+04 / 32
p0 99.08 ± 0.1287
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

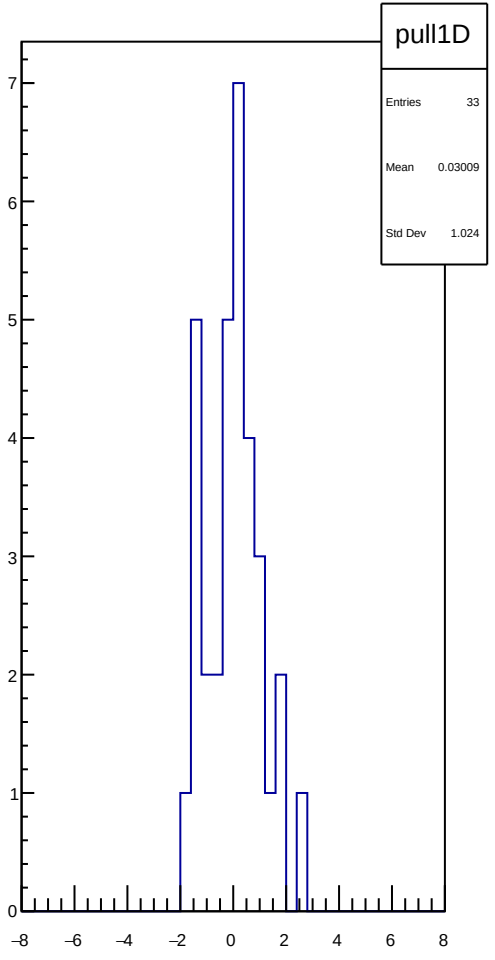

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.27 / 32
p0 1.498e−12 ± 1.05e−12
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.41
Std Dev 16.18
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.08204
Std Dev 1.088
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

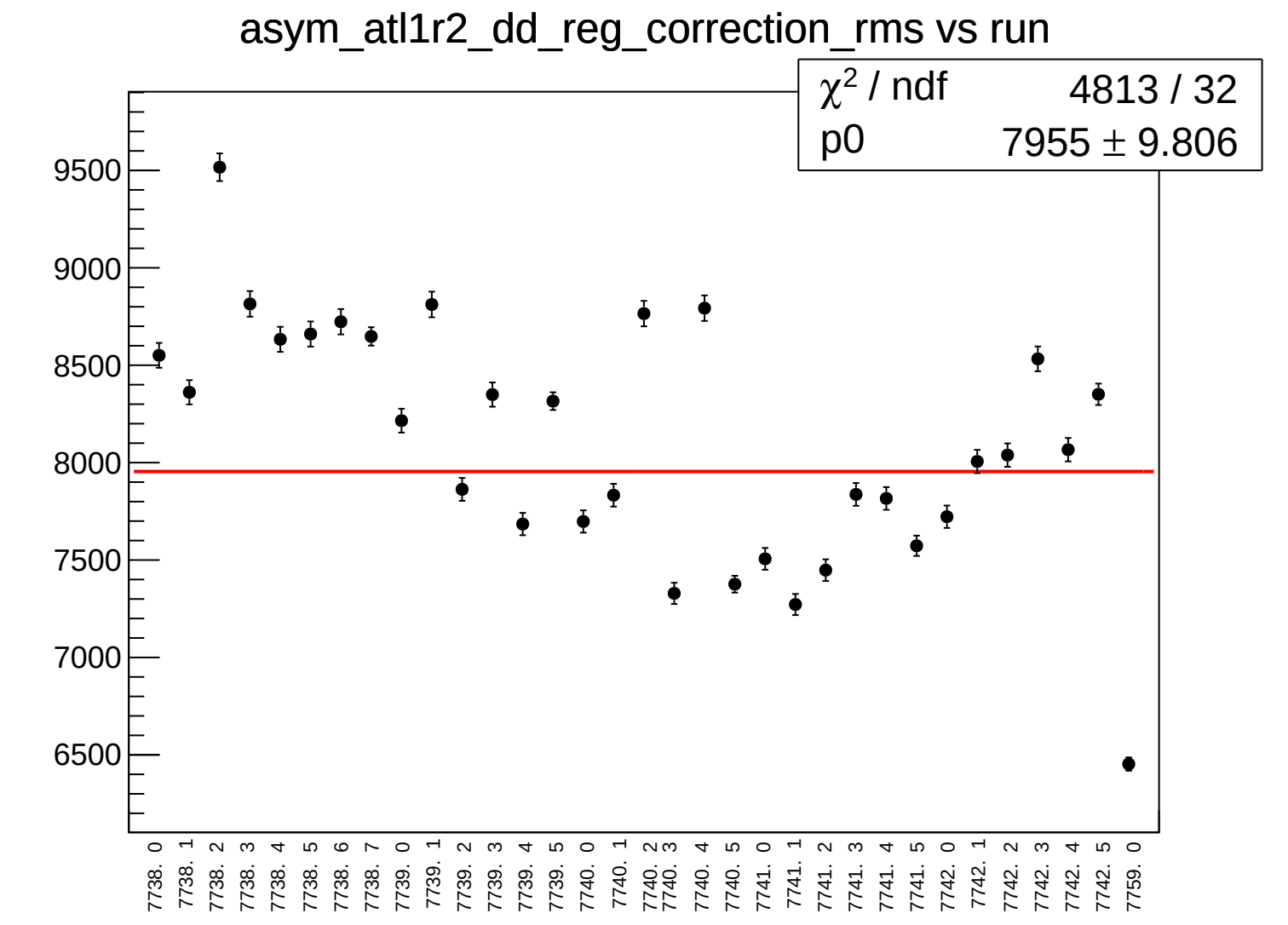

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.521e+05 / 32
p0 5.305e−10 ± 7.423e−13
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

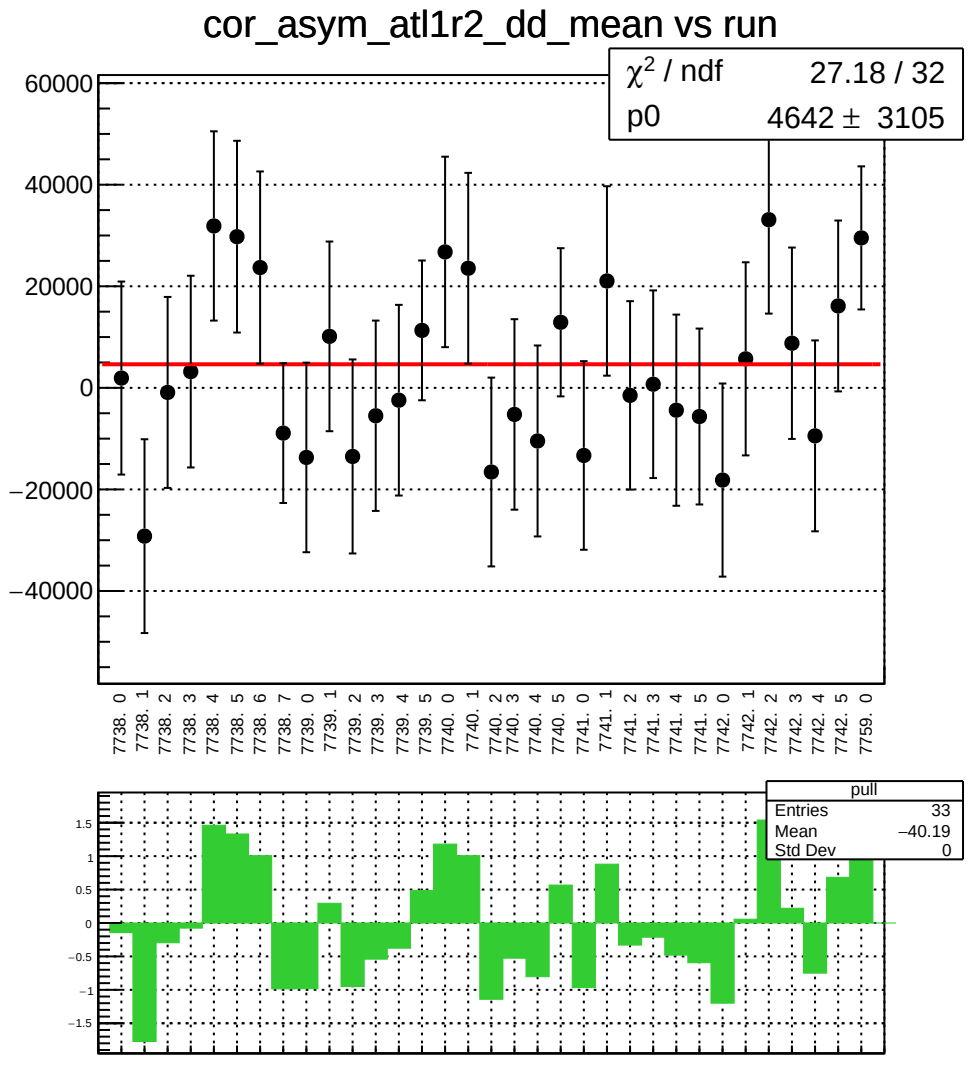

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 27.18 / 32
p0 4641 ± 3105
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.19
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01974
Std Dev 0.9073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

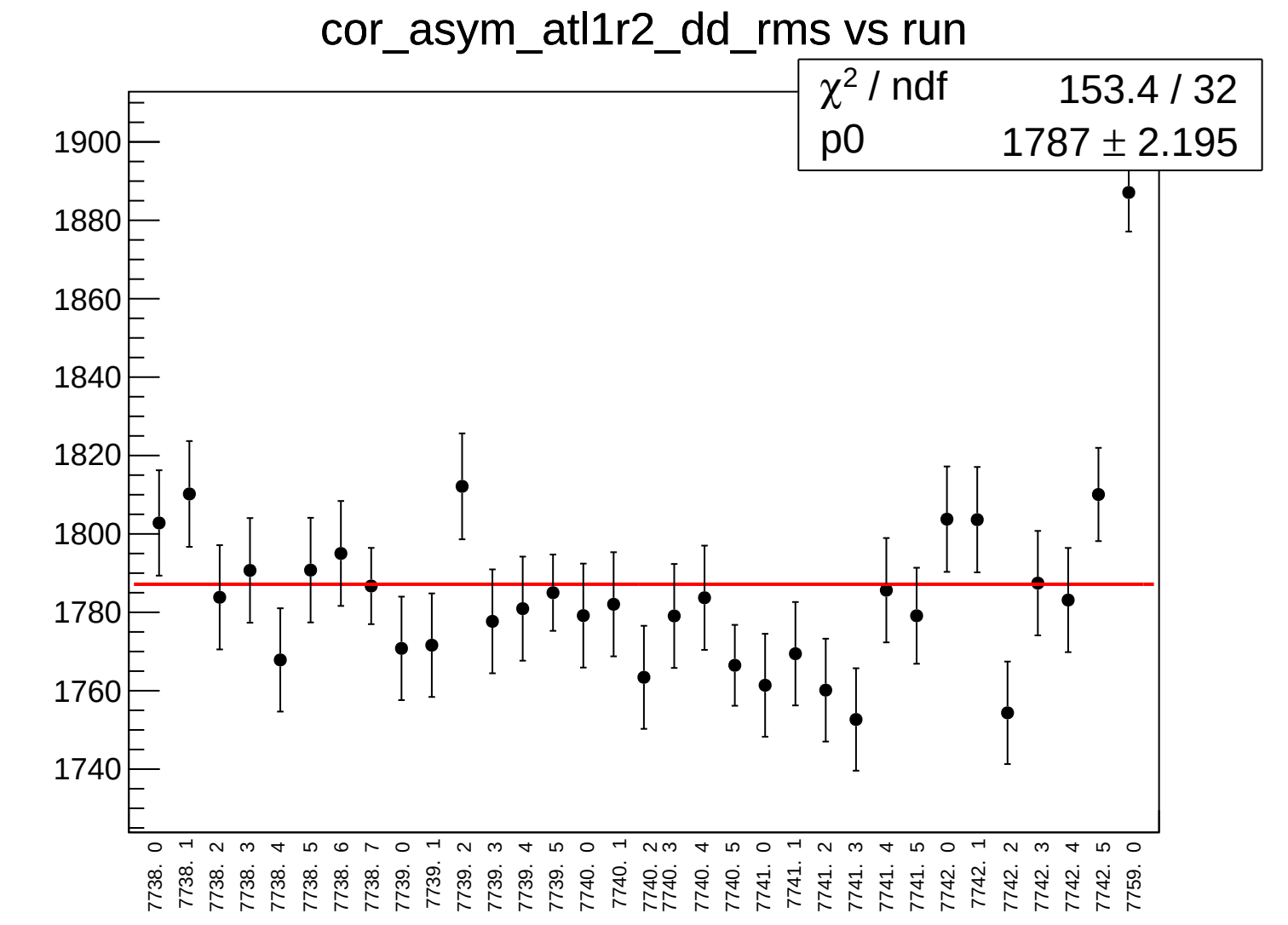

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 153.4 / 32
p0 1787 ± 2.195
1900
1880
1860
1840
1820
1800
1780
1760
1740
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

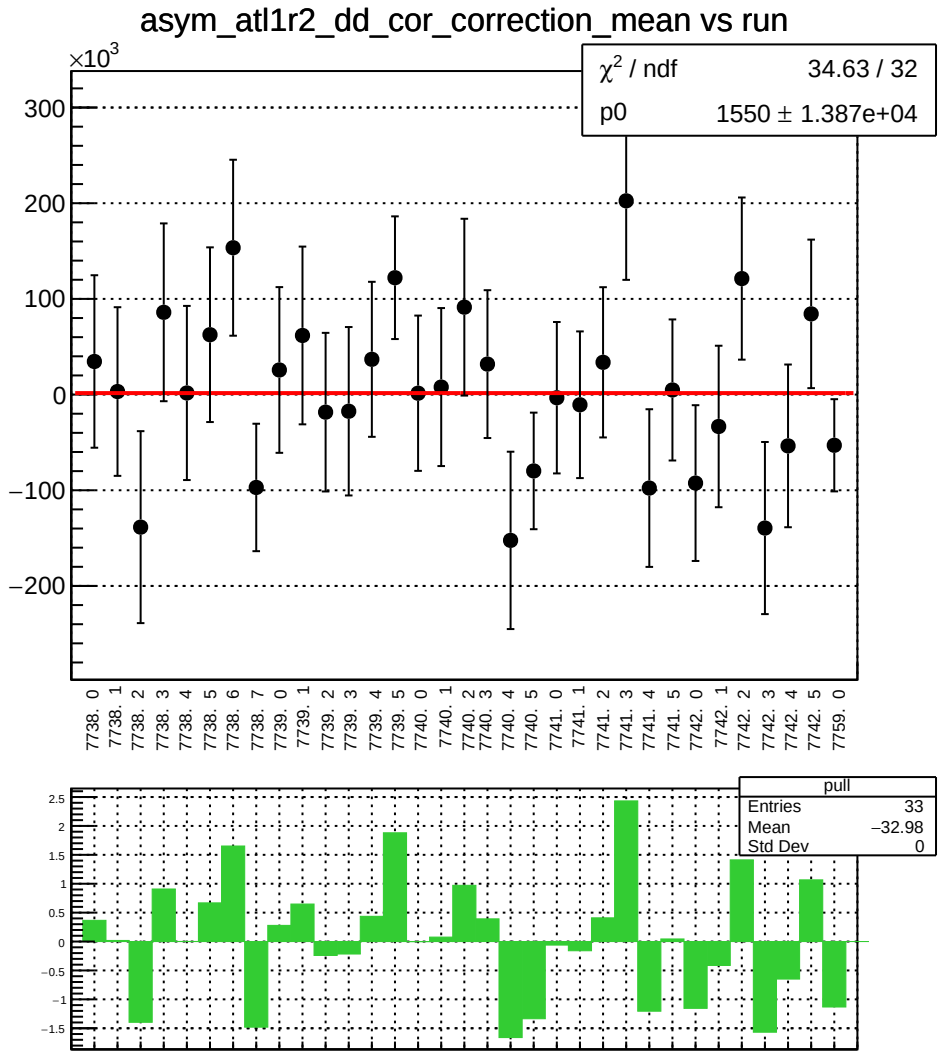

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.63 / 32
p0 1550 ± 1.387e+04
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −32.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

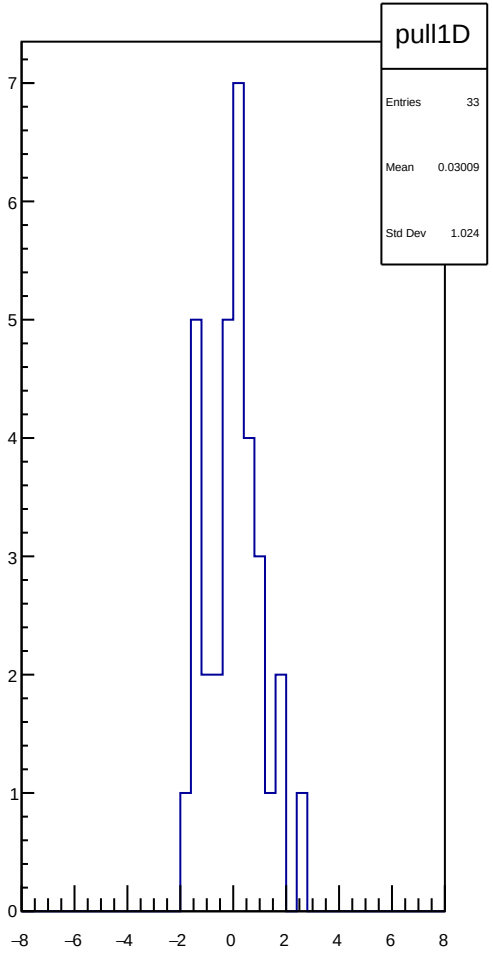

pull1D
Entries 33
Mean 0.03009
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

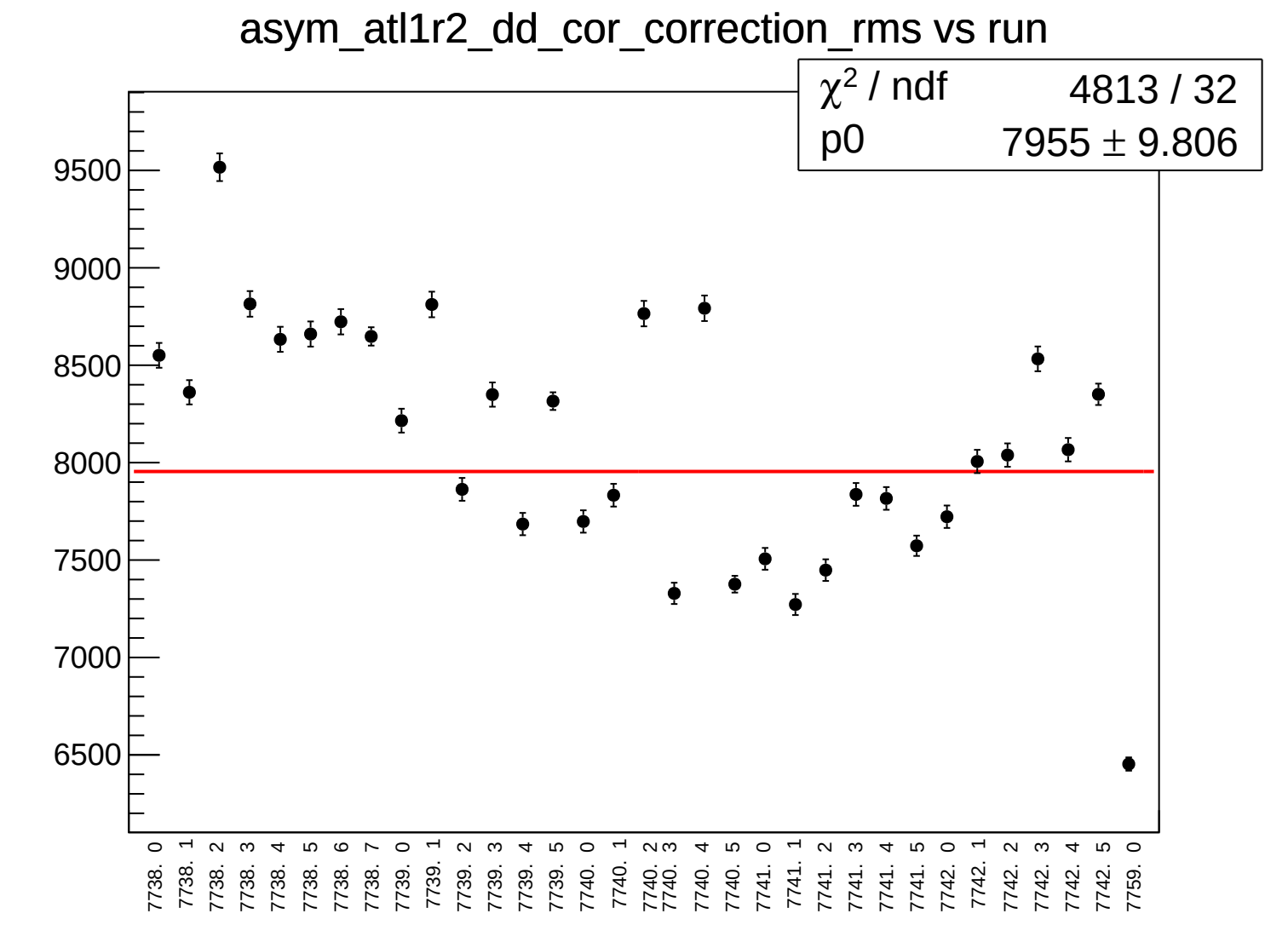

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 4813 / 32
p0 7955 ± 9.806
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

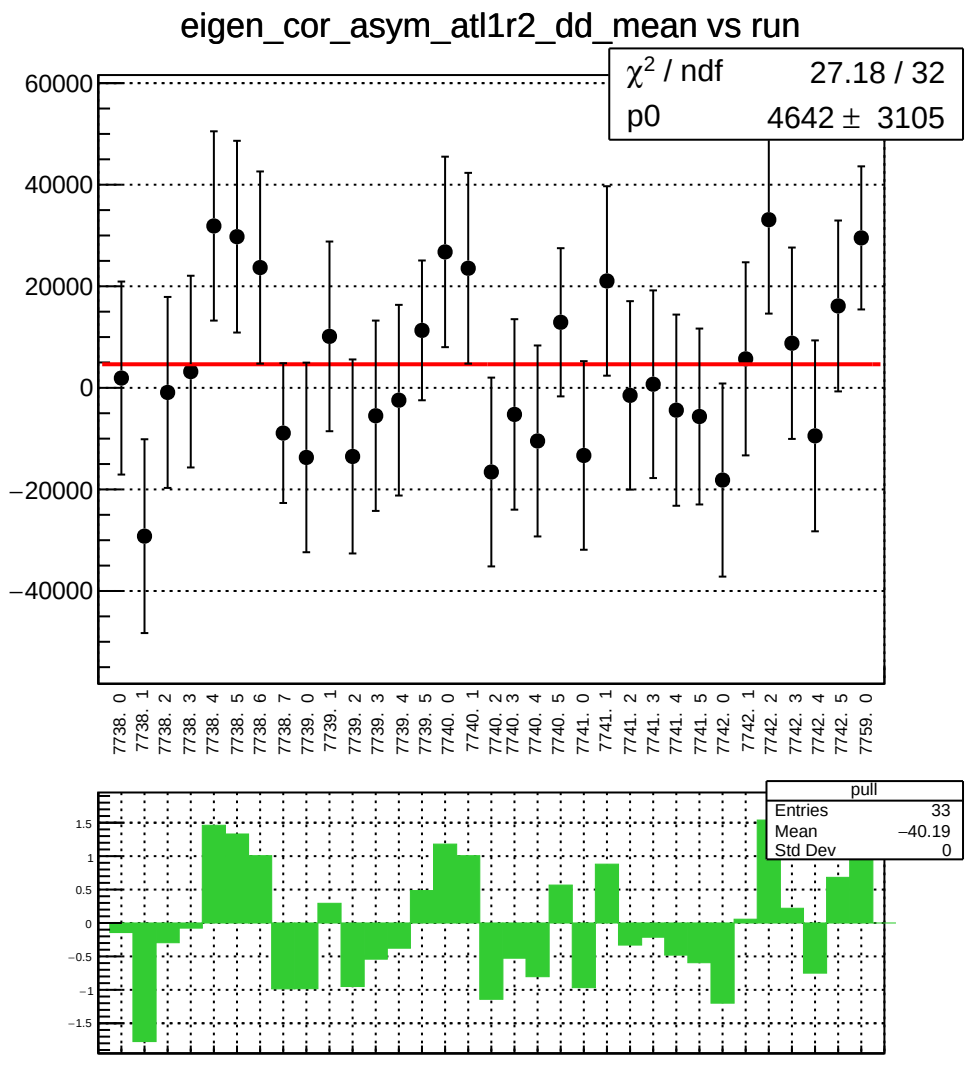

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 27.18 / 32
p0 4642 ± 3105
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.19
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01974
Std Dev 0.9073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

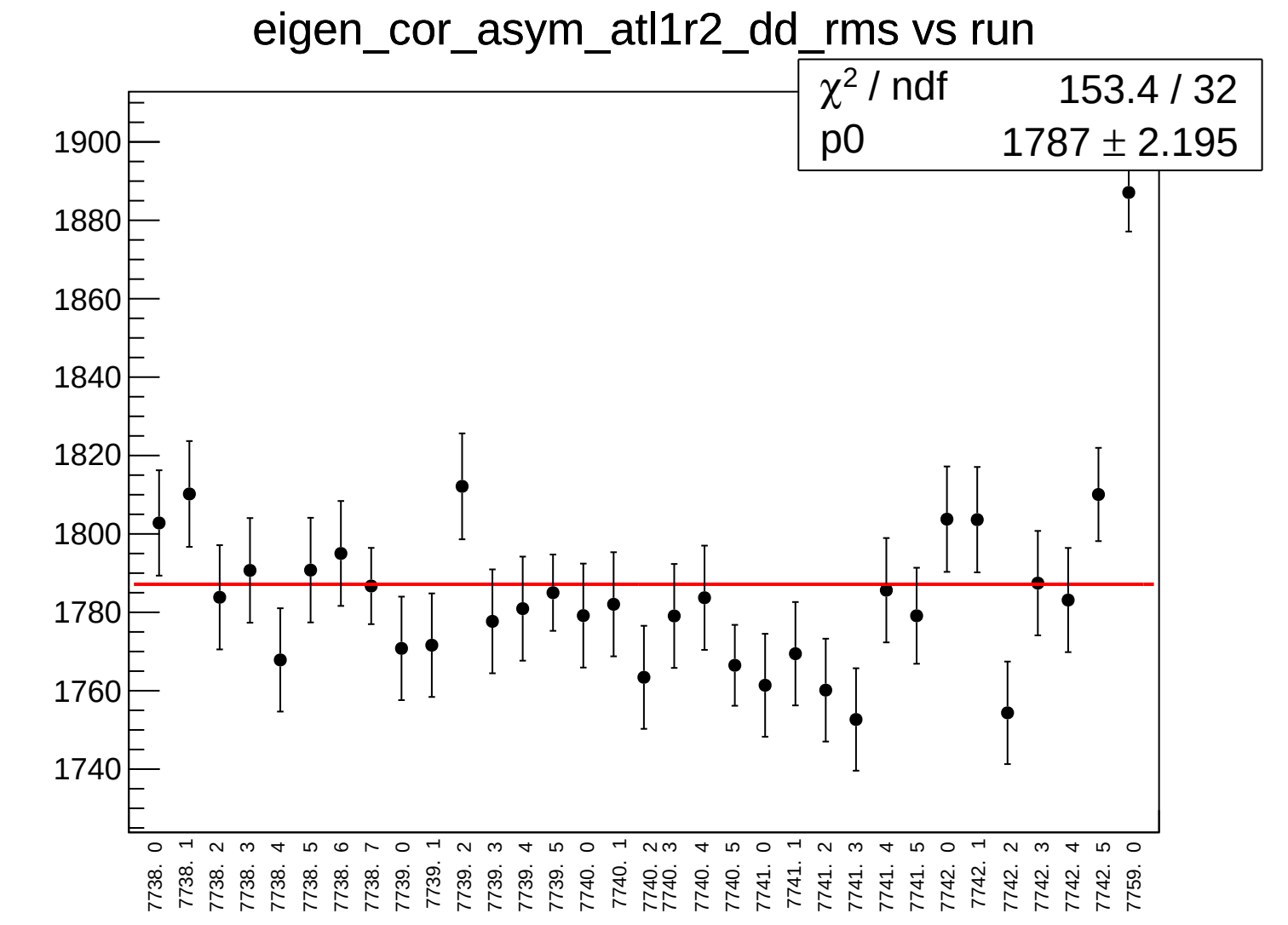

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 153.4 / 32
p0 1787 ± 2.195
1900
1880
1860
1840
1820
1800
1780
1760
1740
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

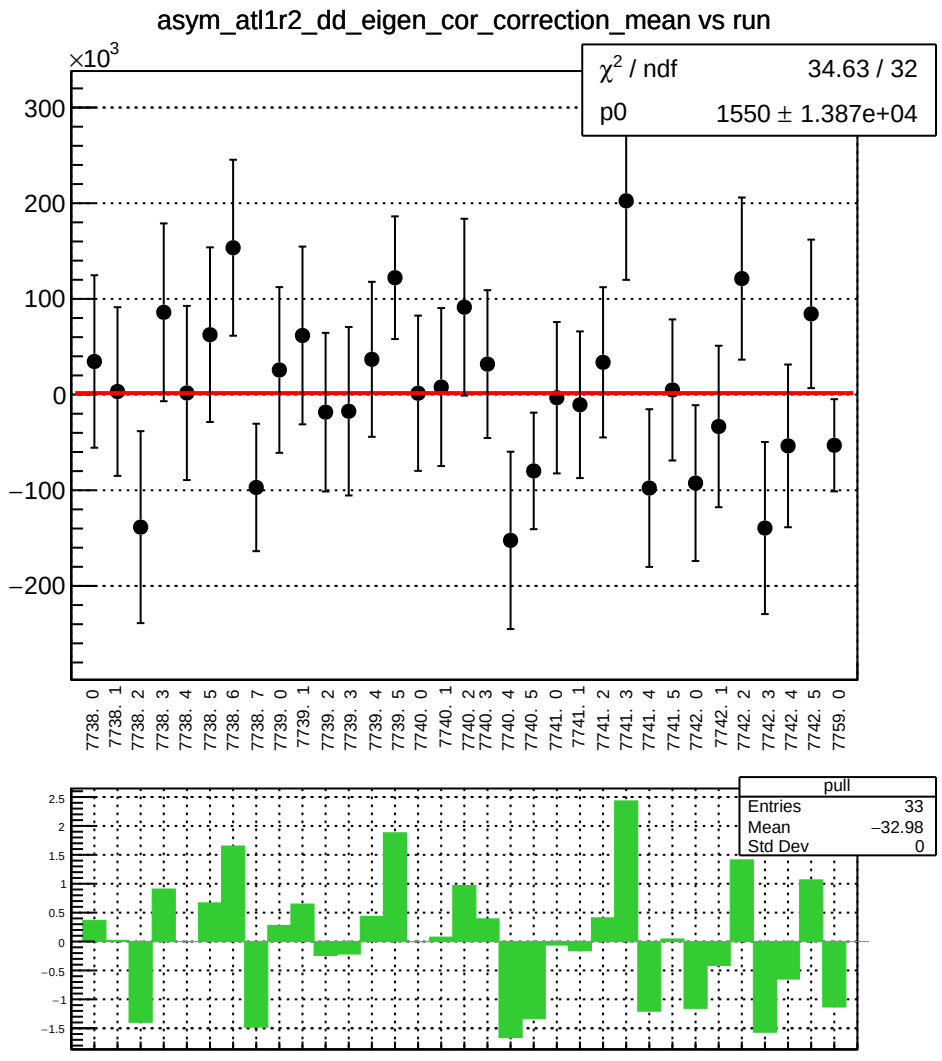

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.63 / 32
p0 1550 ± 1.387e+04
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −32.98
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

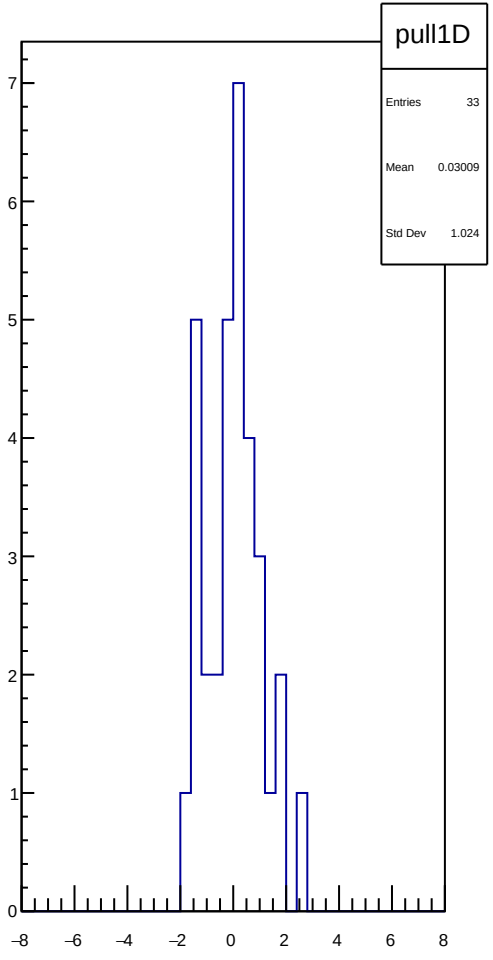

pull1D
Entries 33
Mean 0.03009
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

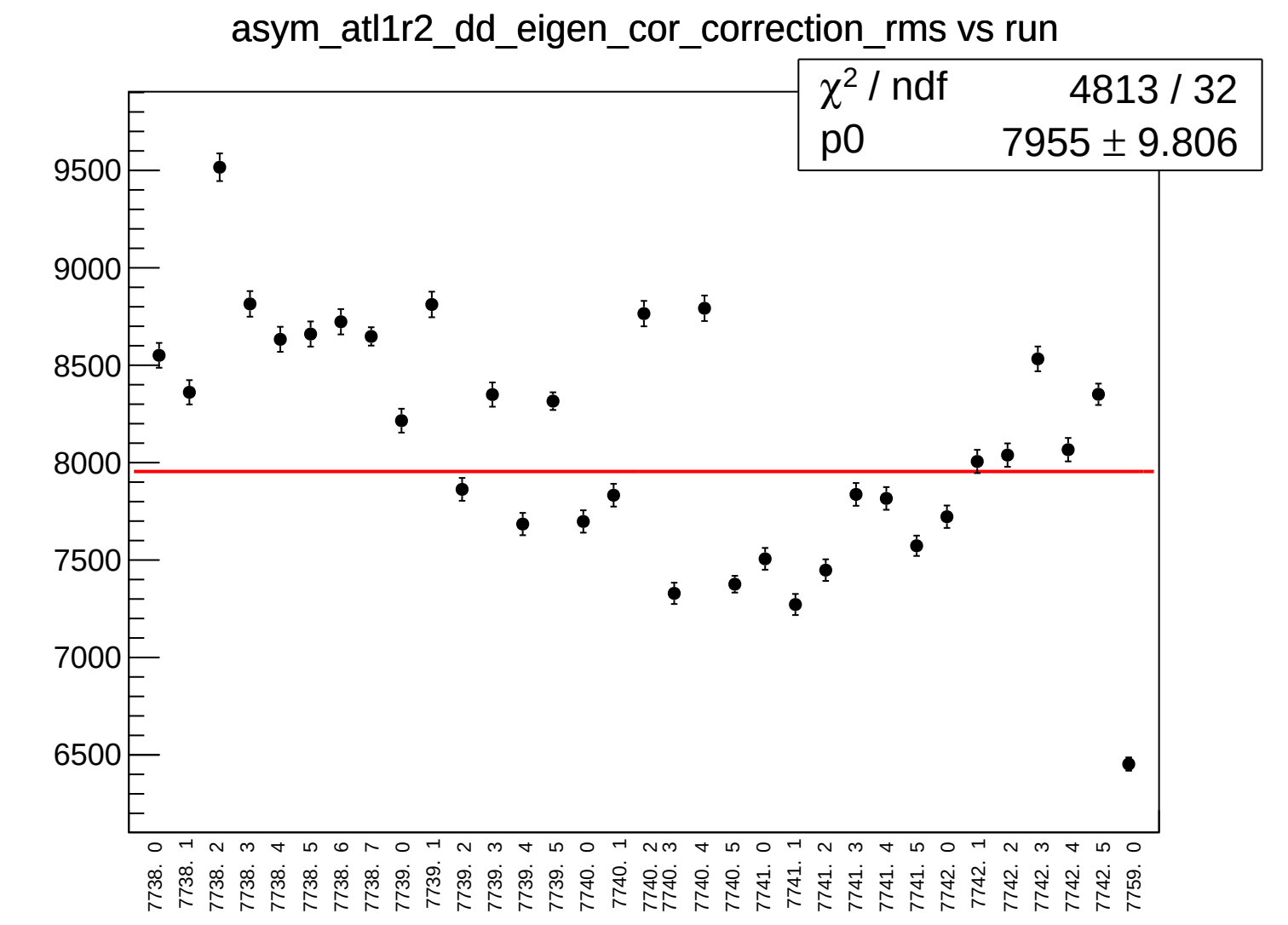

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 4813 / 32
p0 7955 ± 9.806
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

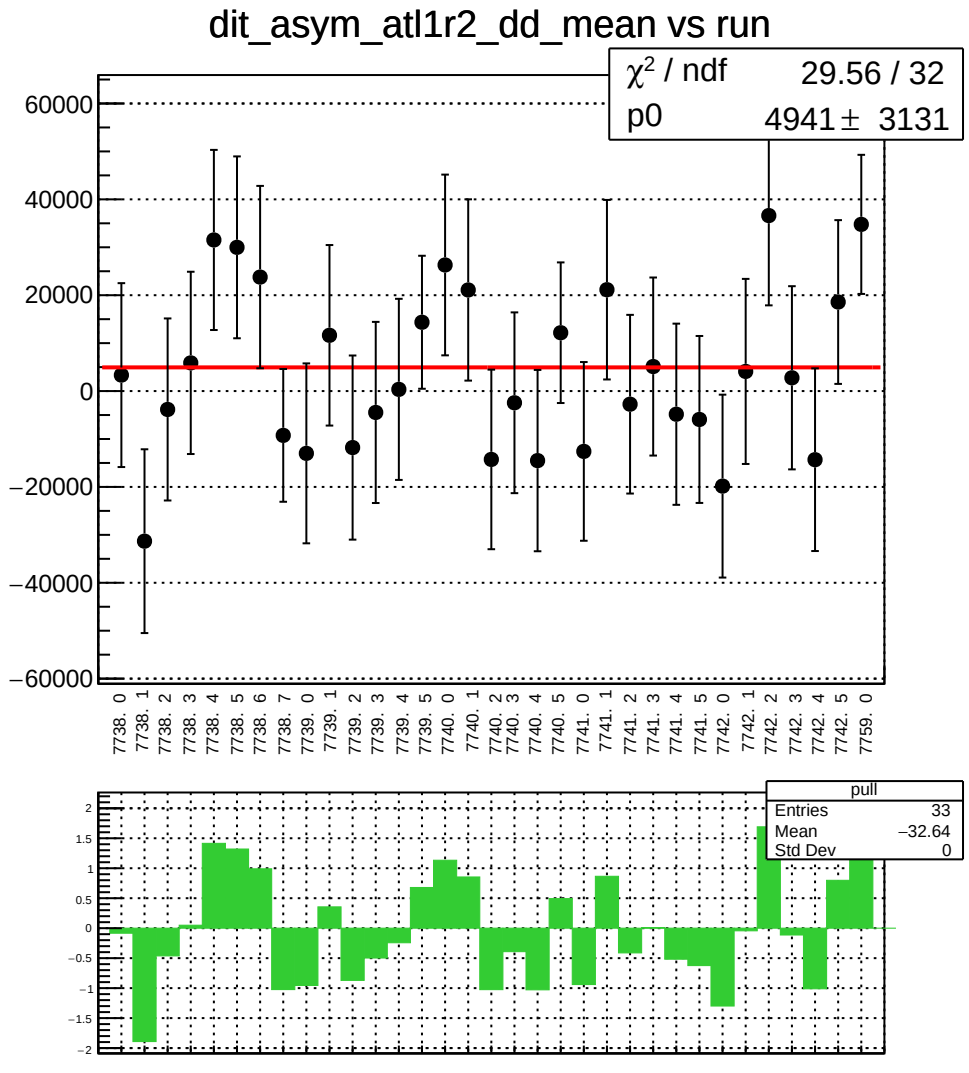

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 27.18 / 32
p0 4642 ± 3105
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.19
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01974
Std Dev 0.9073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

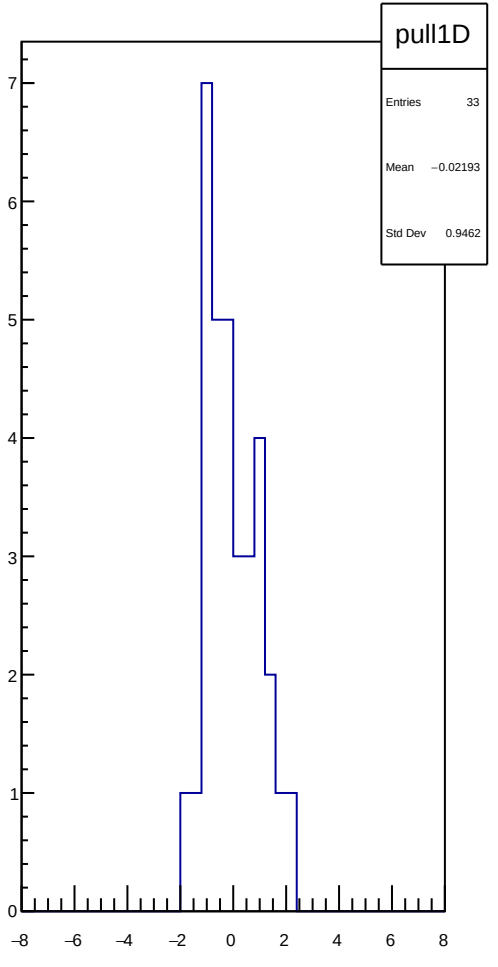

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 153.4 / 32
p0 1787 ± 2.195
1900
1880
1860
1840
1820
1800
1780
1760
1740
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

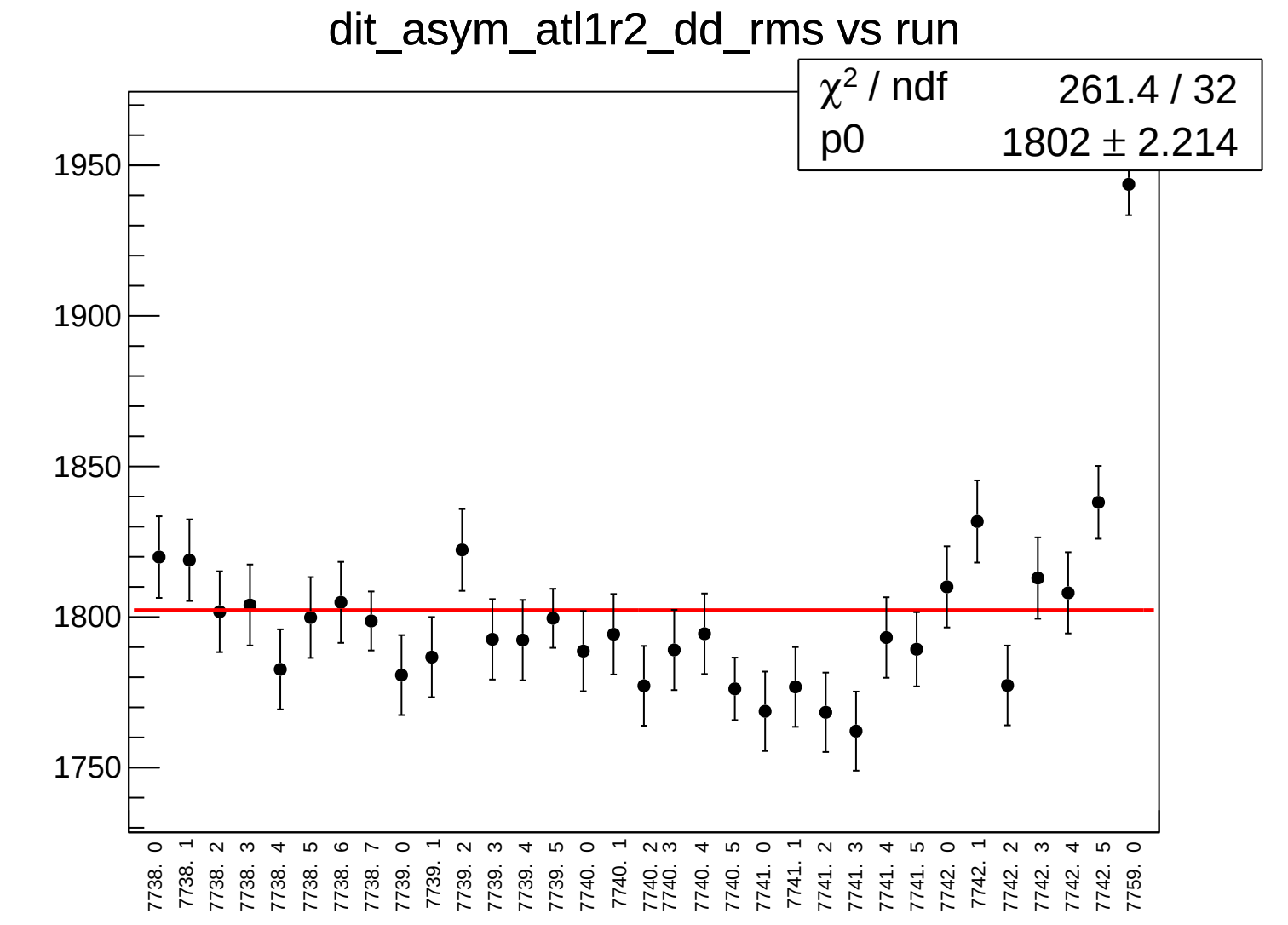

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.63 / 32
p0 1550 ± 1.387e+04
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −32.98
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

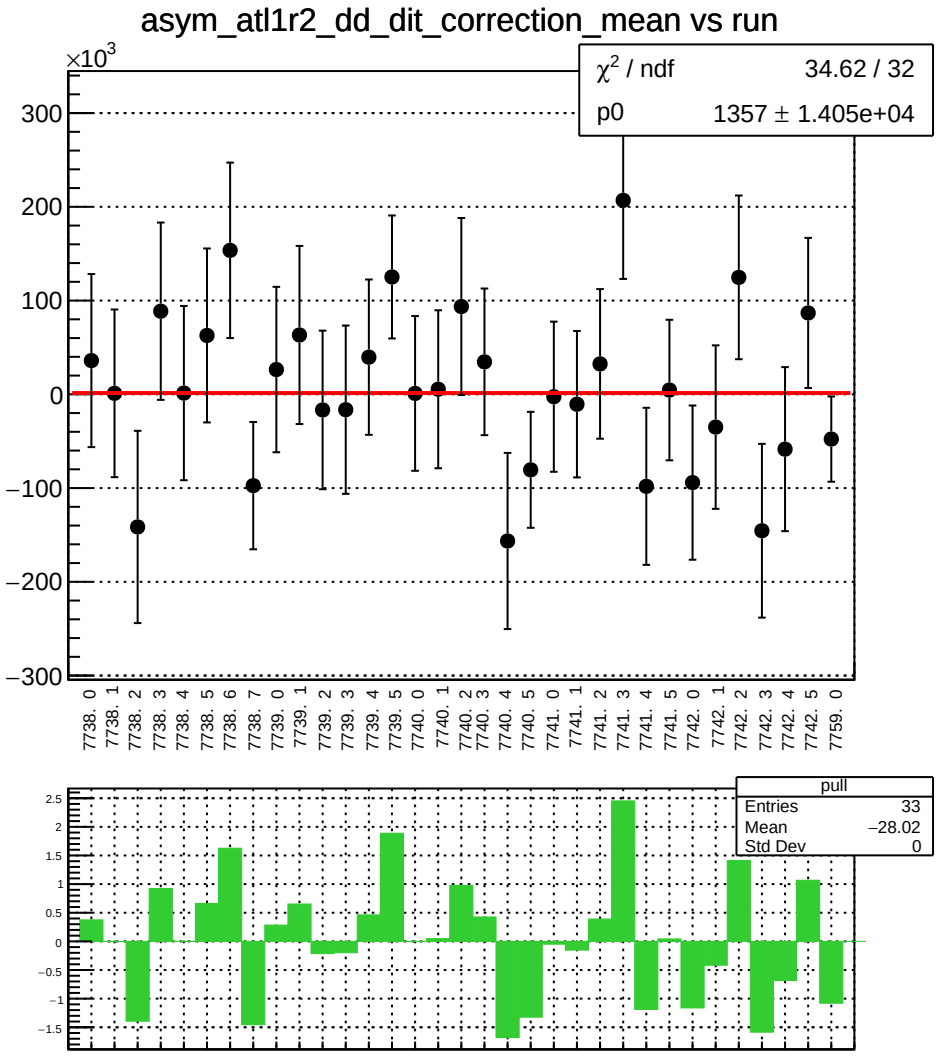

pull1D
Entries 33
Mean 0.03009
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

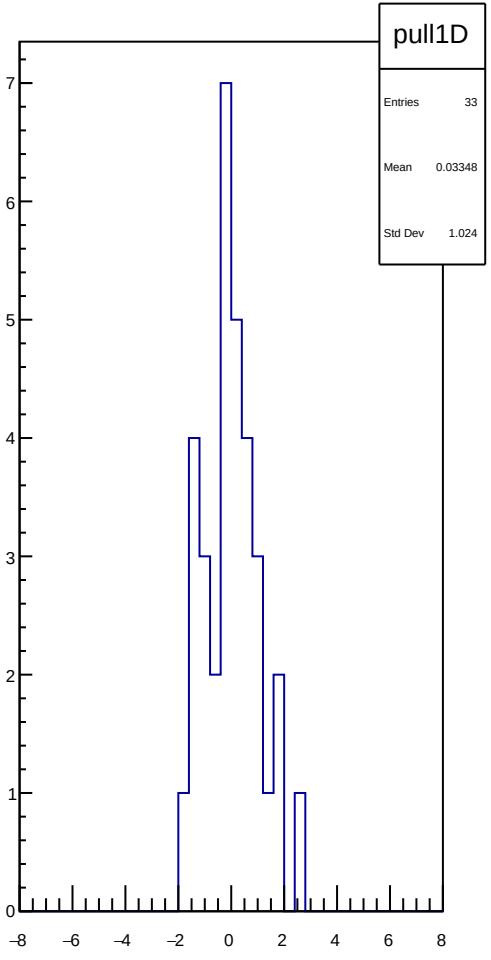

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4813 / 32
p0 7955 ± 9.806
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

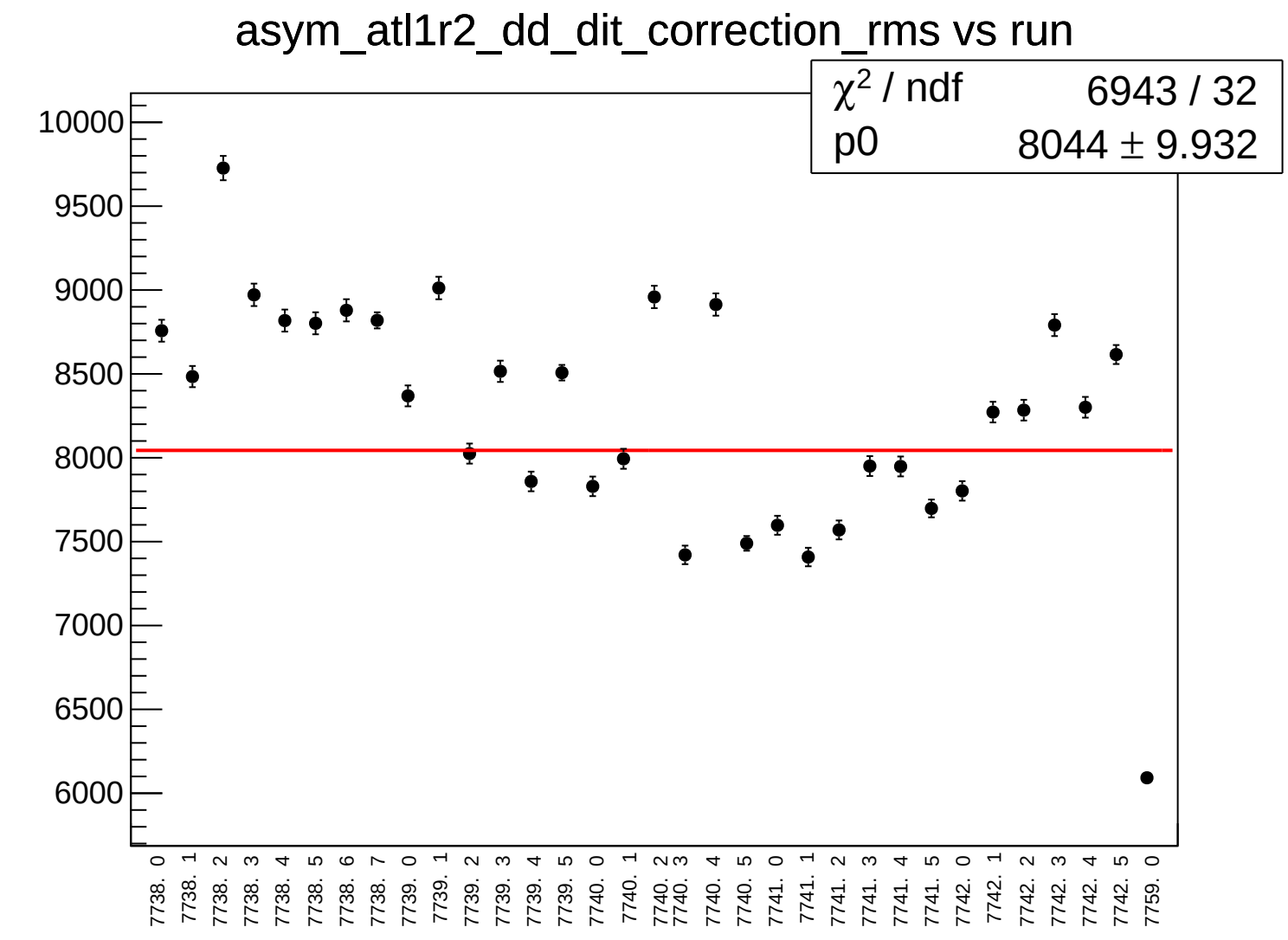

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 29.56 / 32
p0 4941 ± 3131
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −32.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

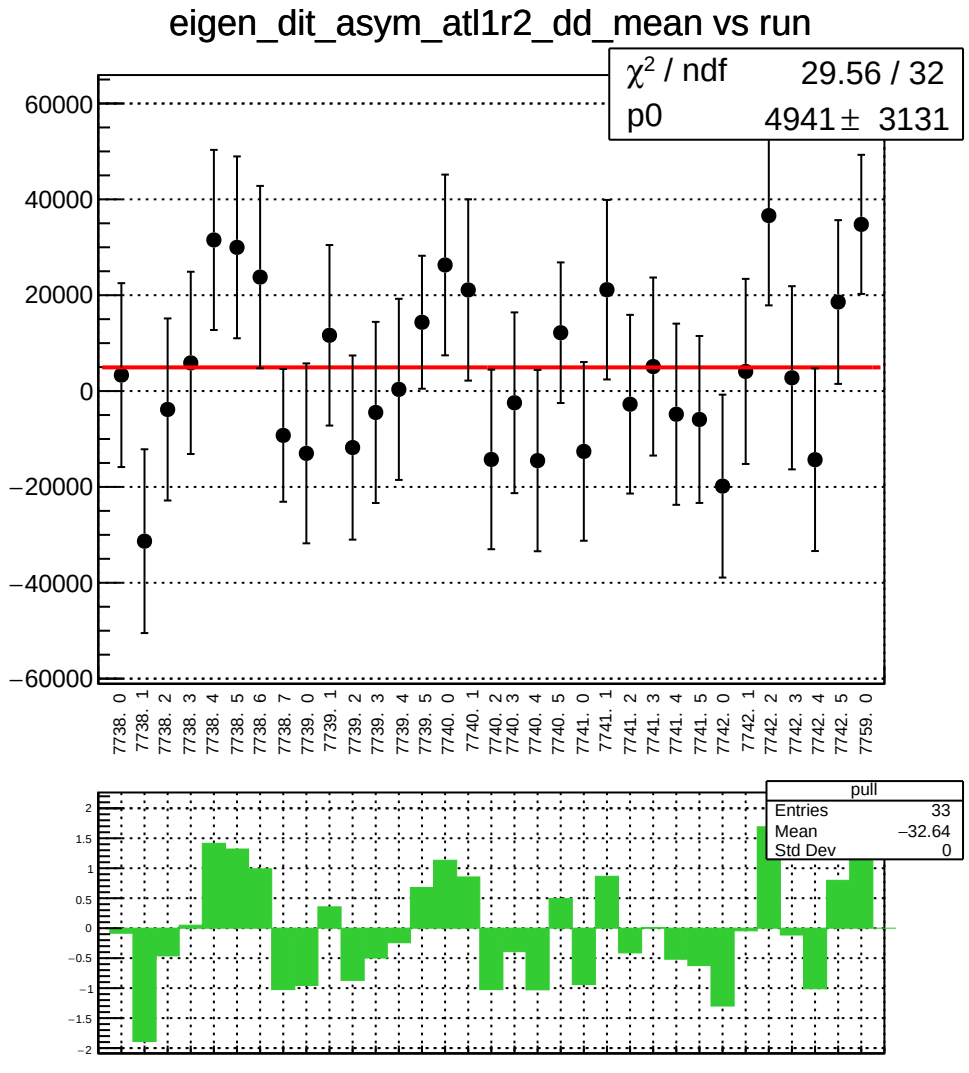

pull1D
Entries 33
Mean −0.02193
Std Dev 0.9462
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

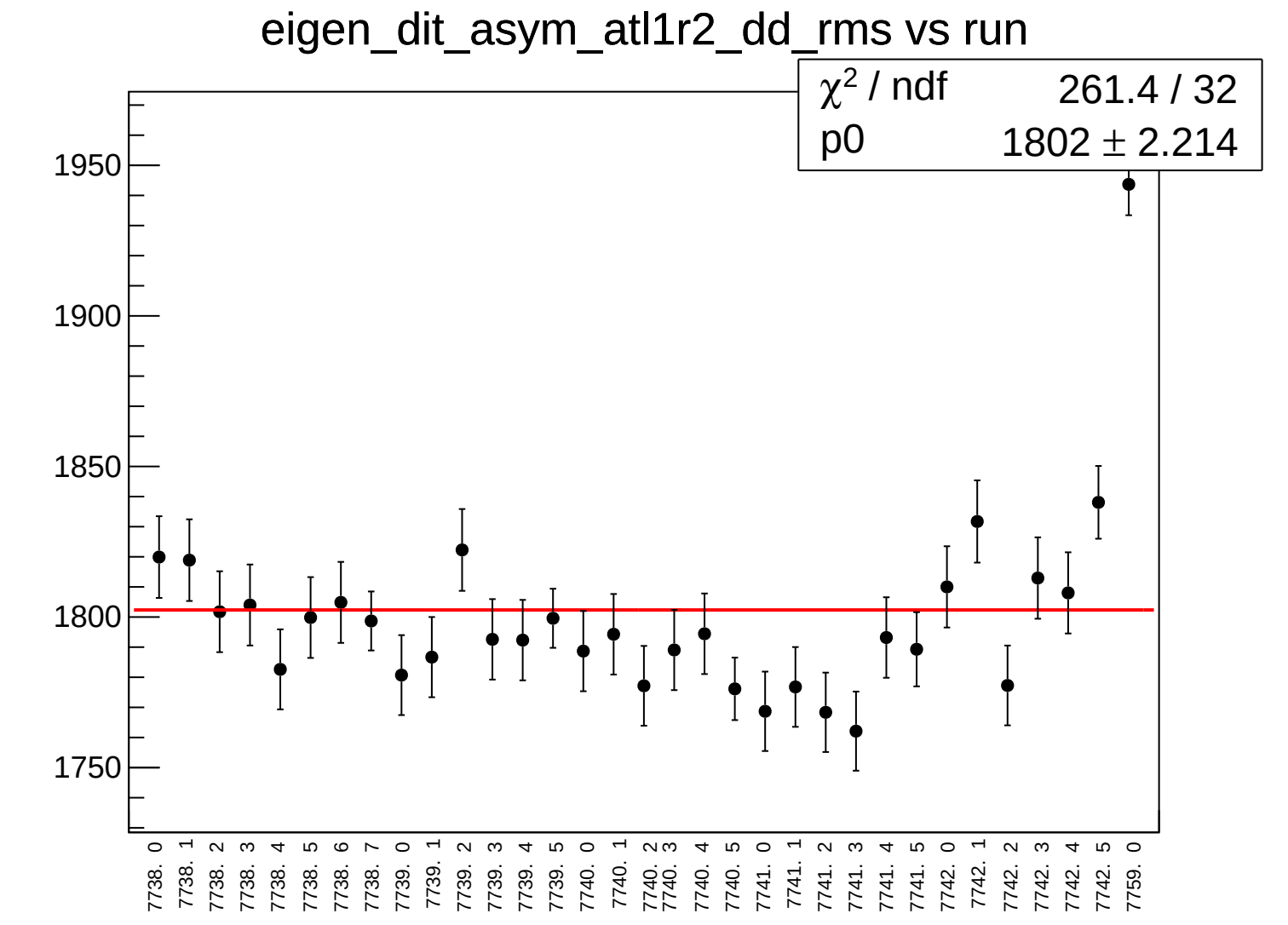

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 261.4 / 32
p0 1802 ± 2.214
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

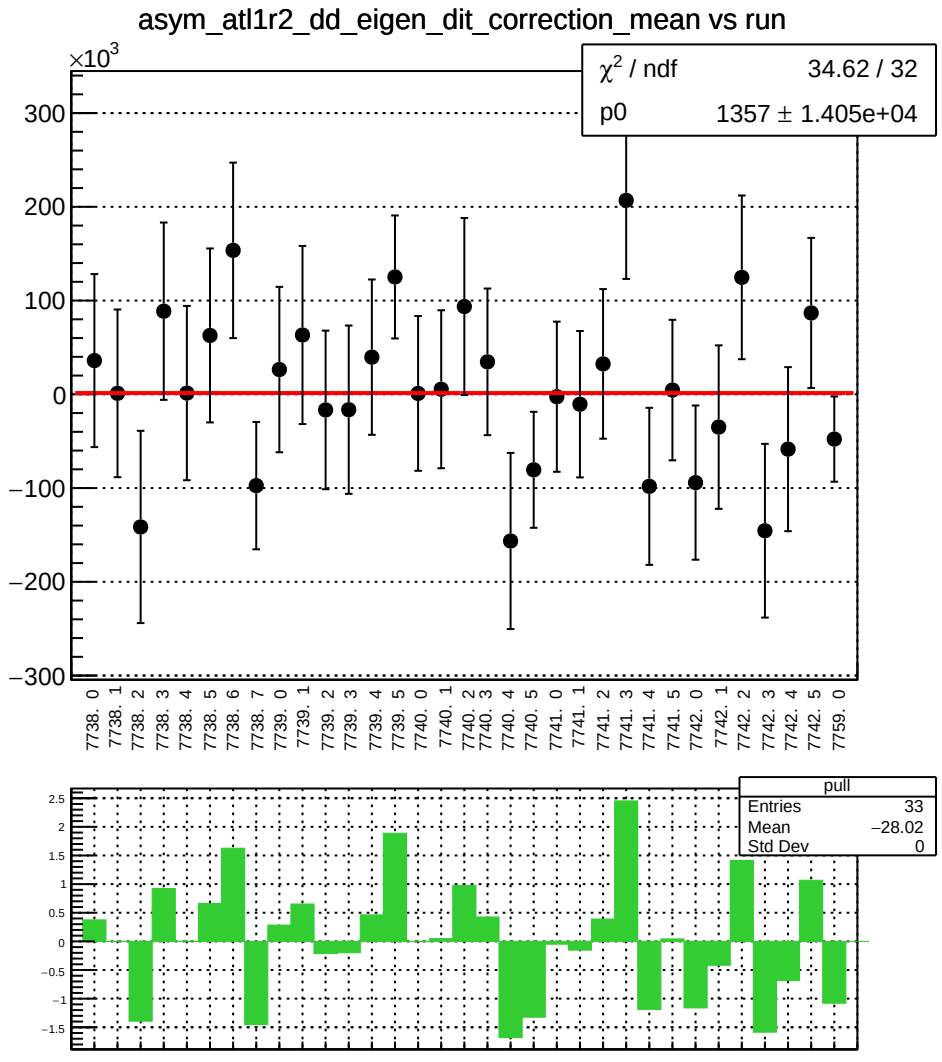

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.62 / 32
p0 1357 ± 1.405e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.02
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

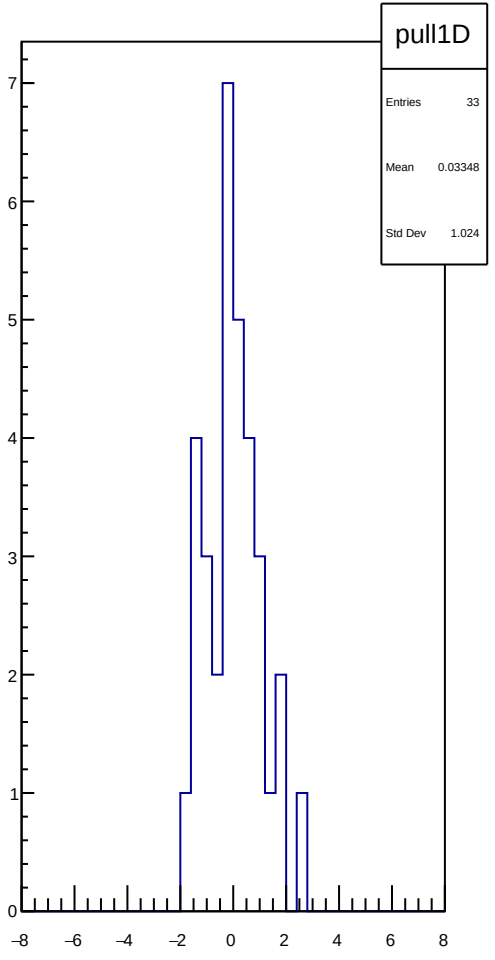

pull1D
Entries 33
Mean 0.03348
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

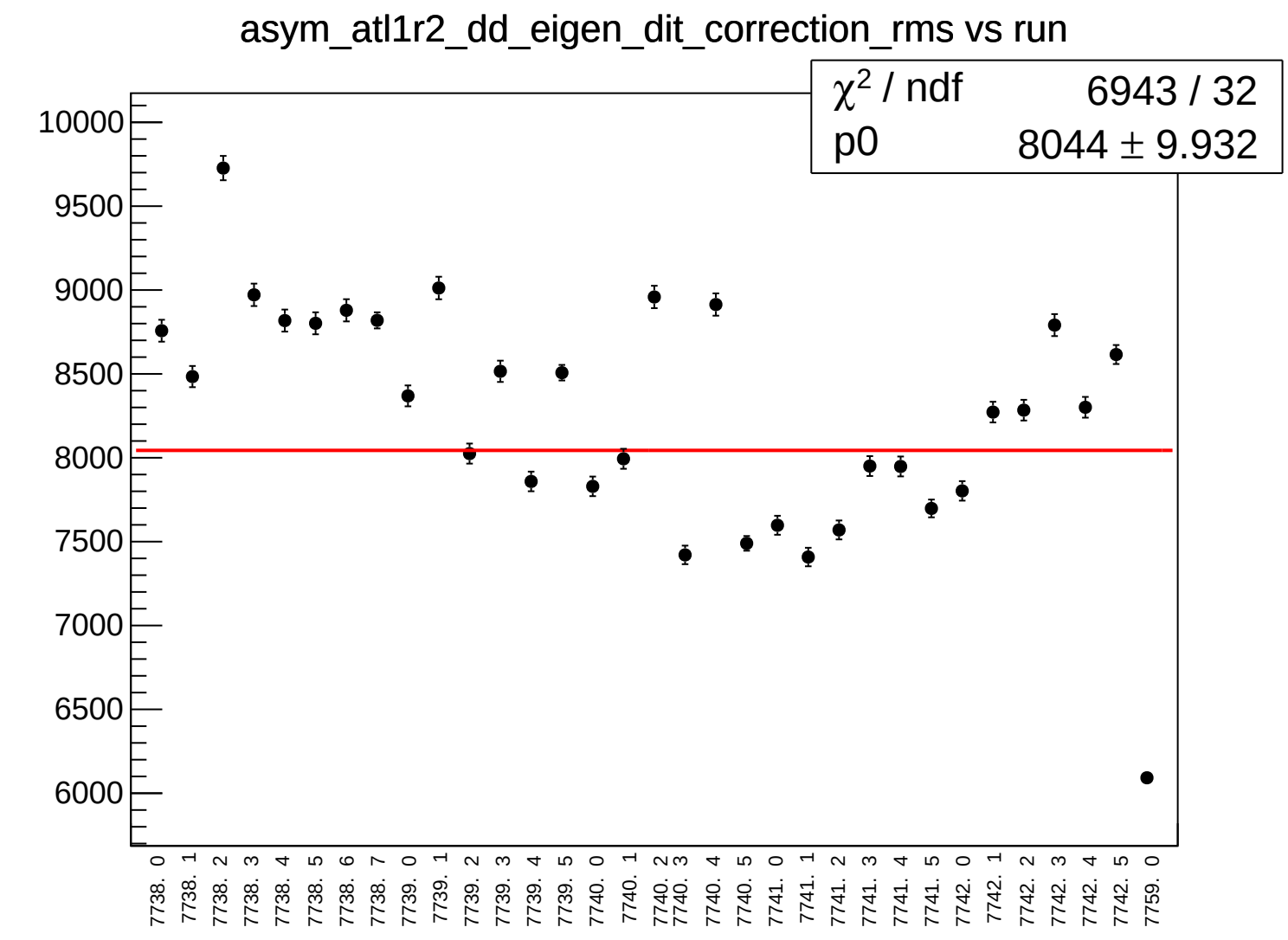

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 6943 / 32
p0 8044 ± 9.932
10000
9500
9000
8500
8000
7500
7000
6500
6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

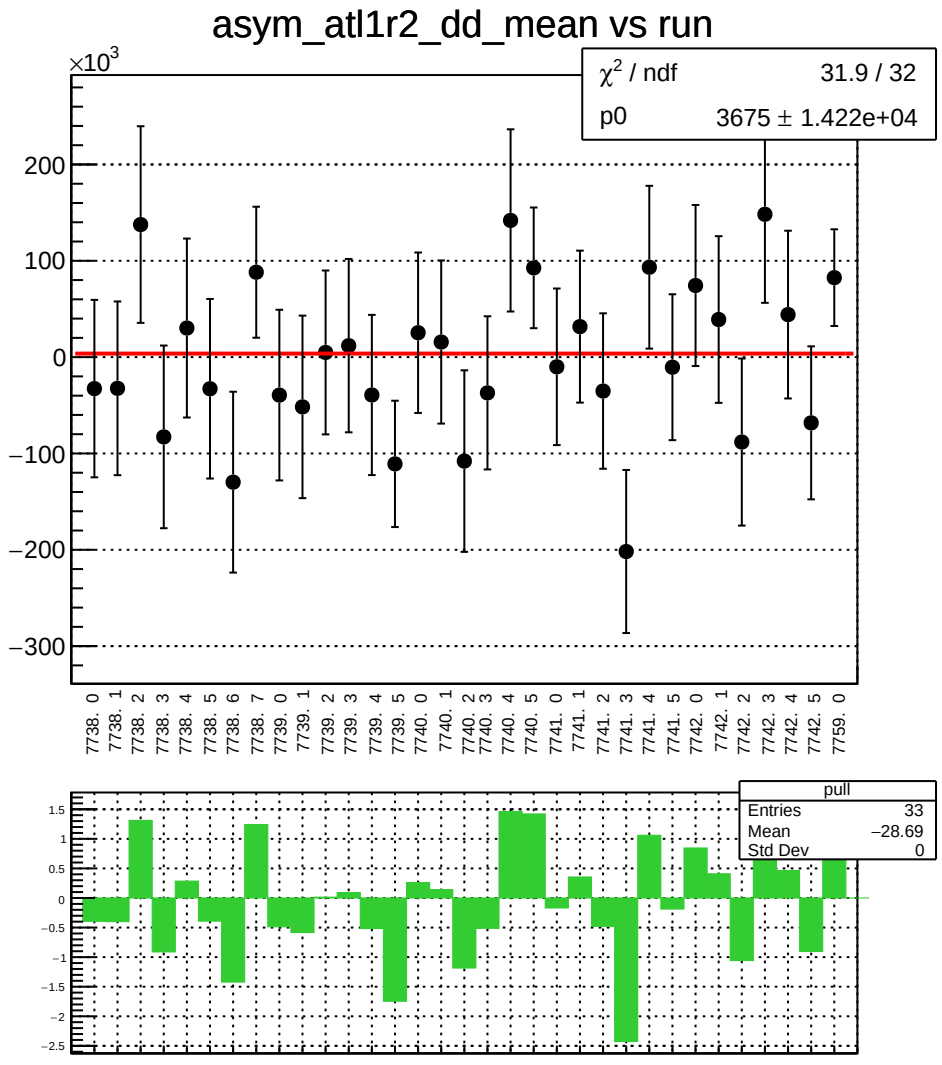

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 29.56 / 32
p0 4941 ± 3131
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −32.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02193
Std Dev 0.9462
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

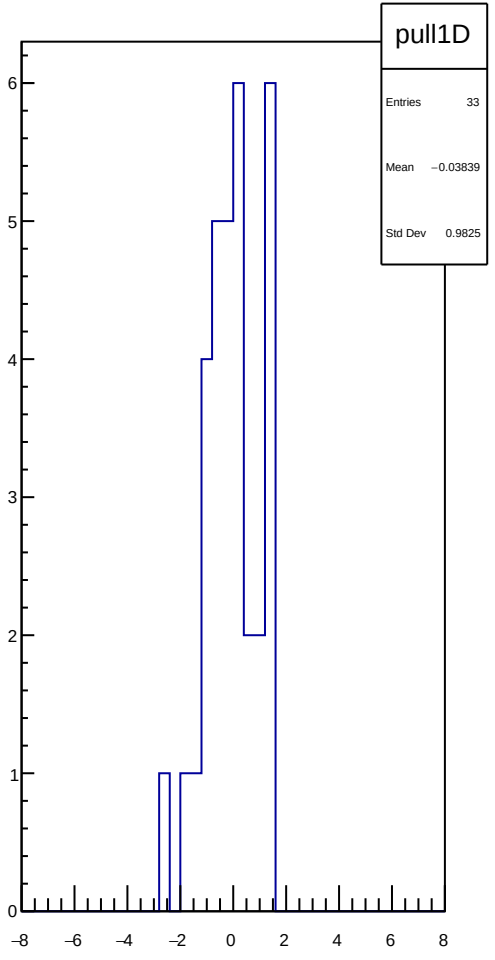

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 261.4 / 32
p0 1802 ± 2.214
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

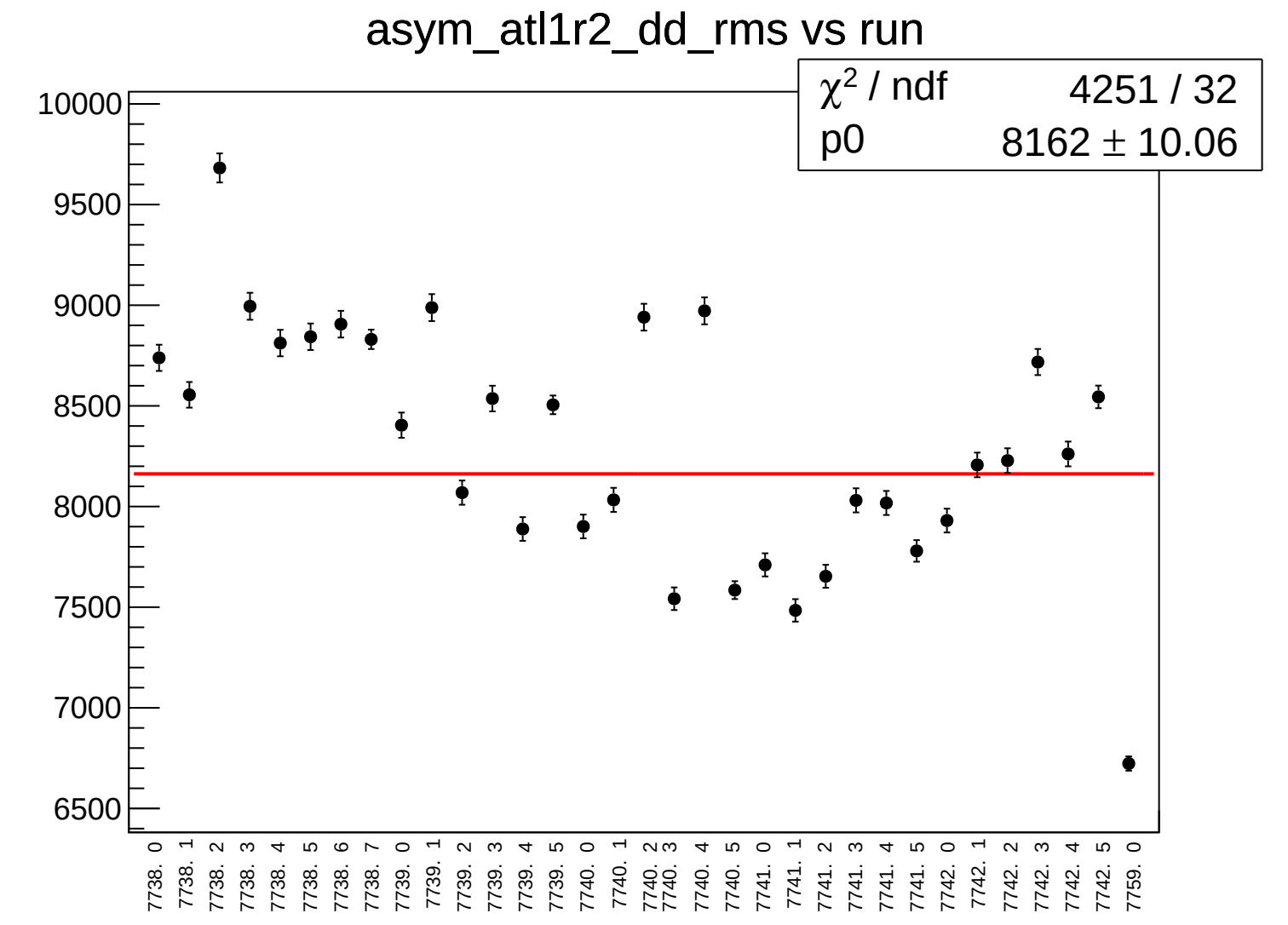

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.62 / 32
p0 1357 ± 1.405e+04
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.02
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

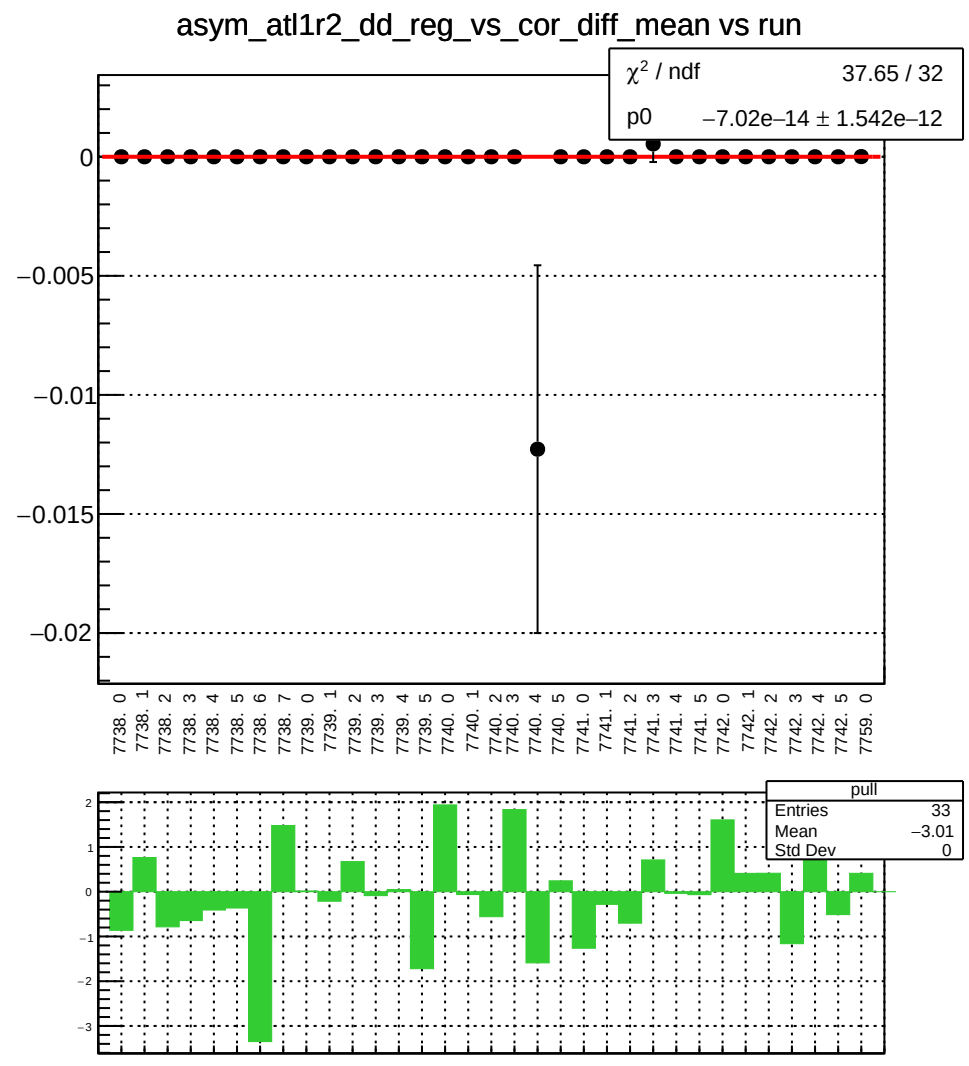

pull1D
Entries 33
Mean 0.03348
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

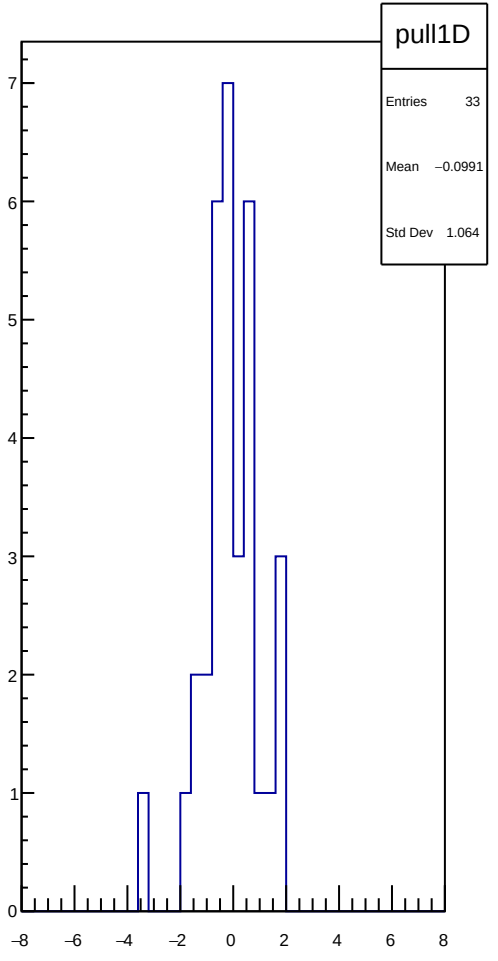

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 6943 / 32
p0 8044 ± 9.932
10000
9500
9000
8500
8000
7500
7000
6500
6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

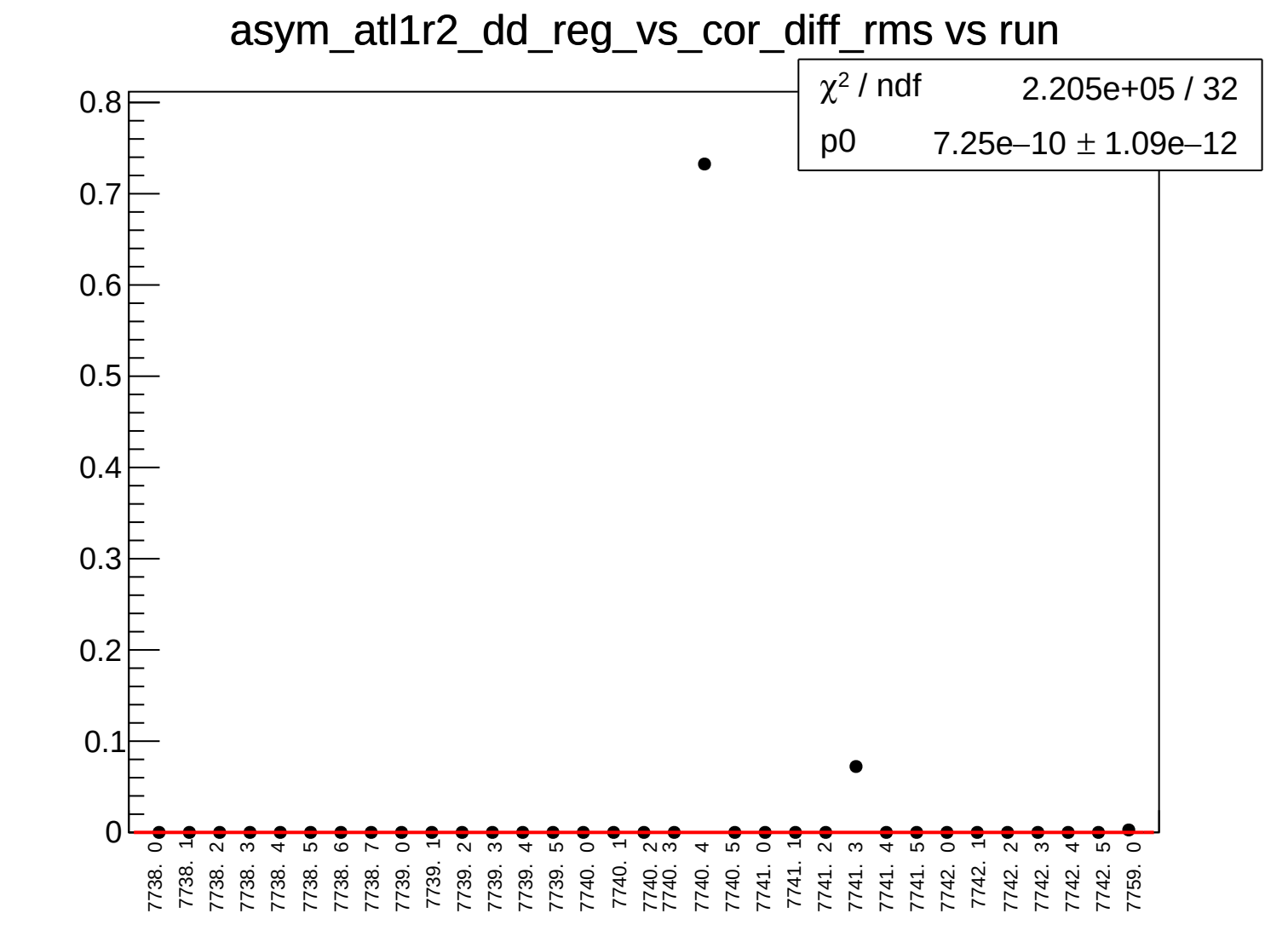

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 31.9 / 32
p0 3675 ± 1.422e+04
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

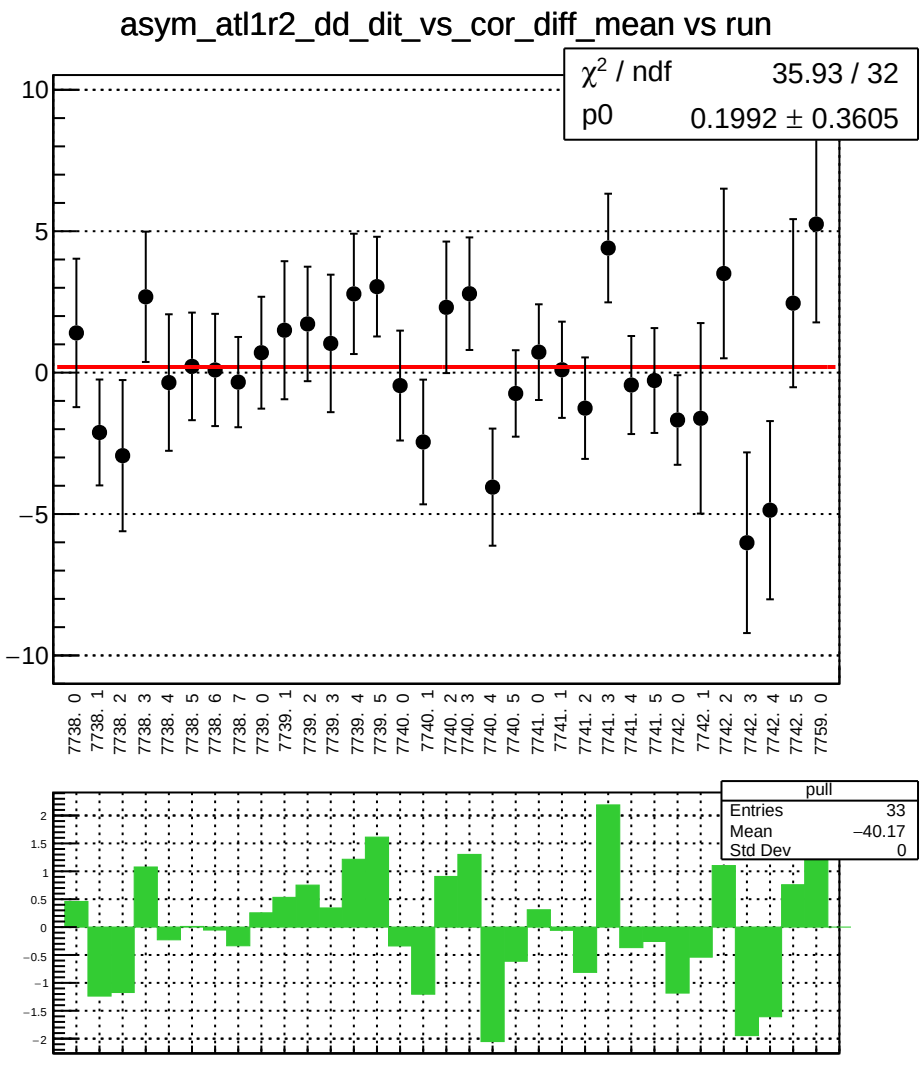

pull1D
Entries 33
Mean −0.03839
Std Dev 0.9825
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

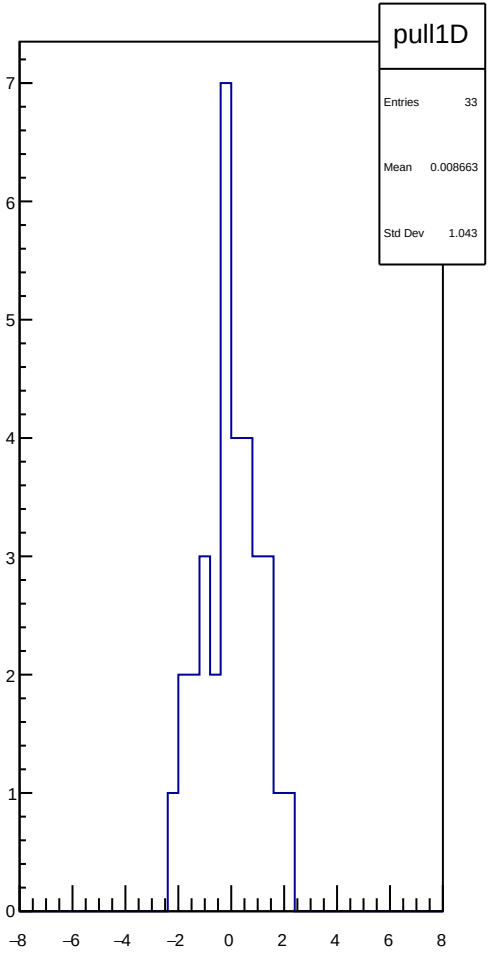

asym_atl1r2_dd_rms vs run
χ^2 / ndf 4251 / 32
p0 8162 ± 10.06
10000
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

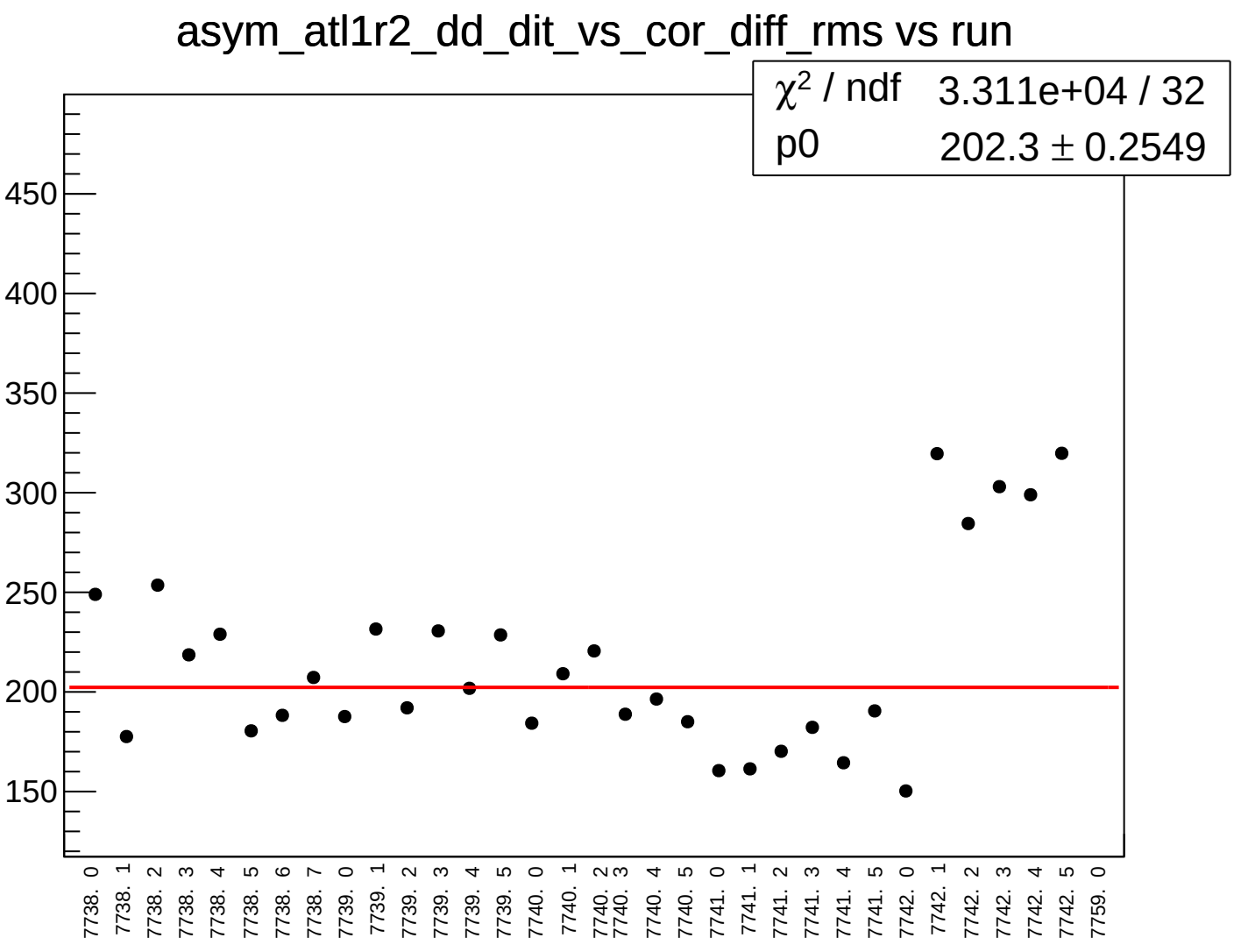

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.65 / 32
p0 −7.02e−14 ± 1.542e−12
0
−0.005
−0.01
−0.015
−0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.01
Std Dev 0
2
1
0
−1
−2
−3

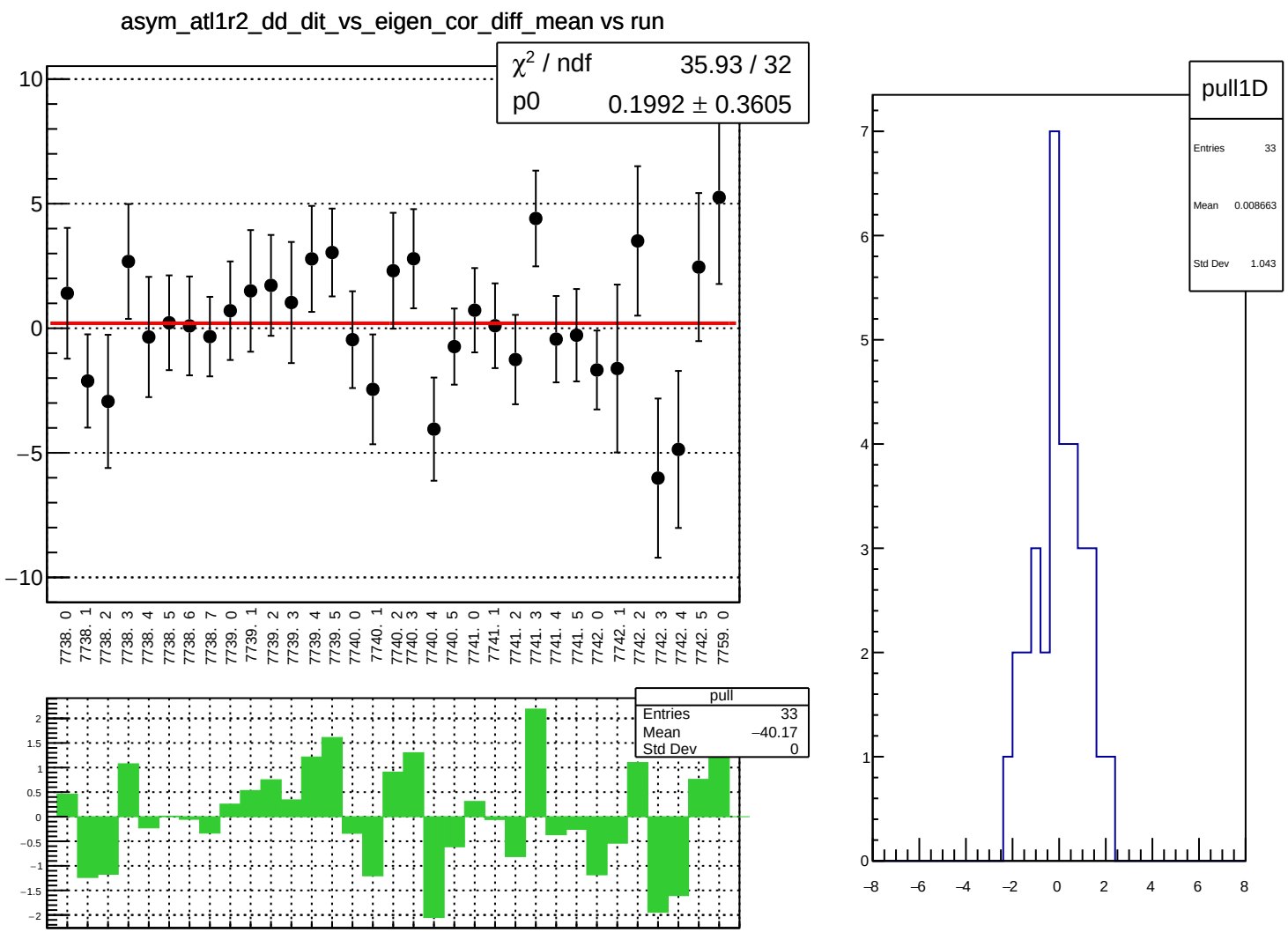

pull1D
Entries 33
Mean −0.0991
Std Dev 1.064
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

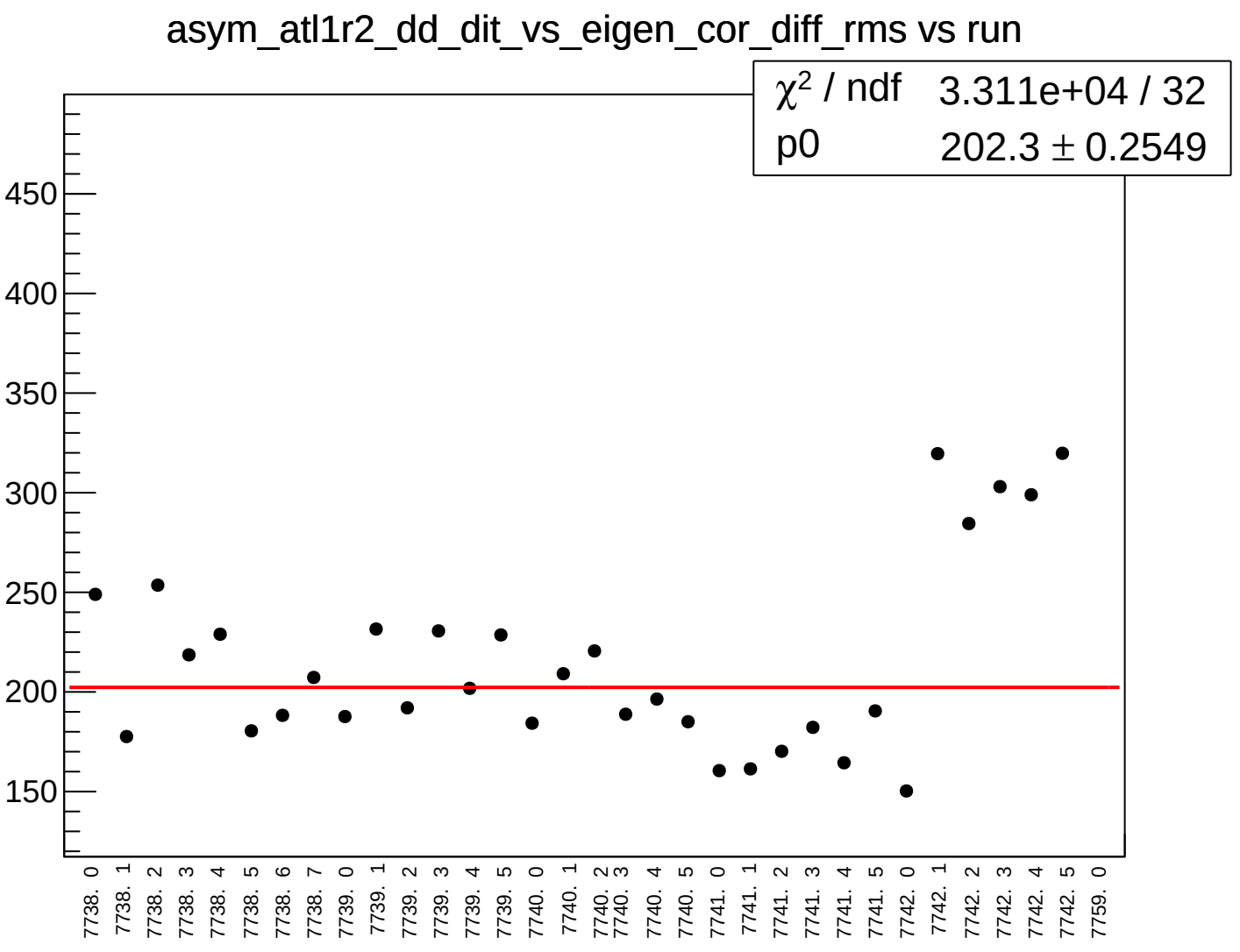

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.205e+05 / 32
p0 7.25e−10 ± 1.09e−12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

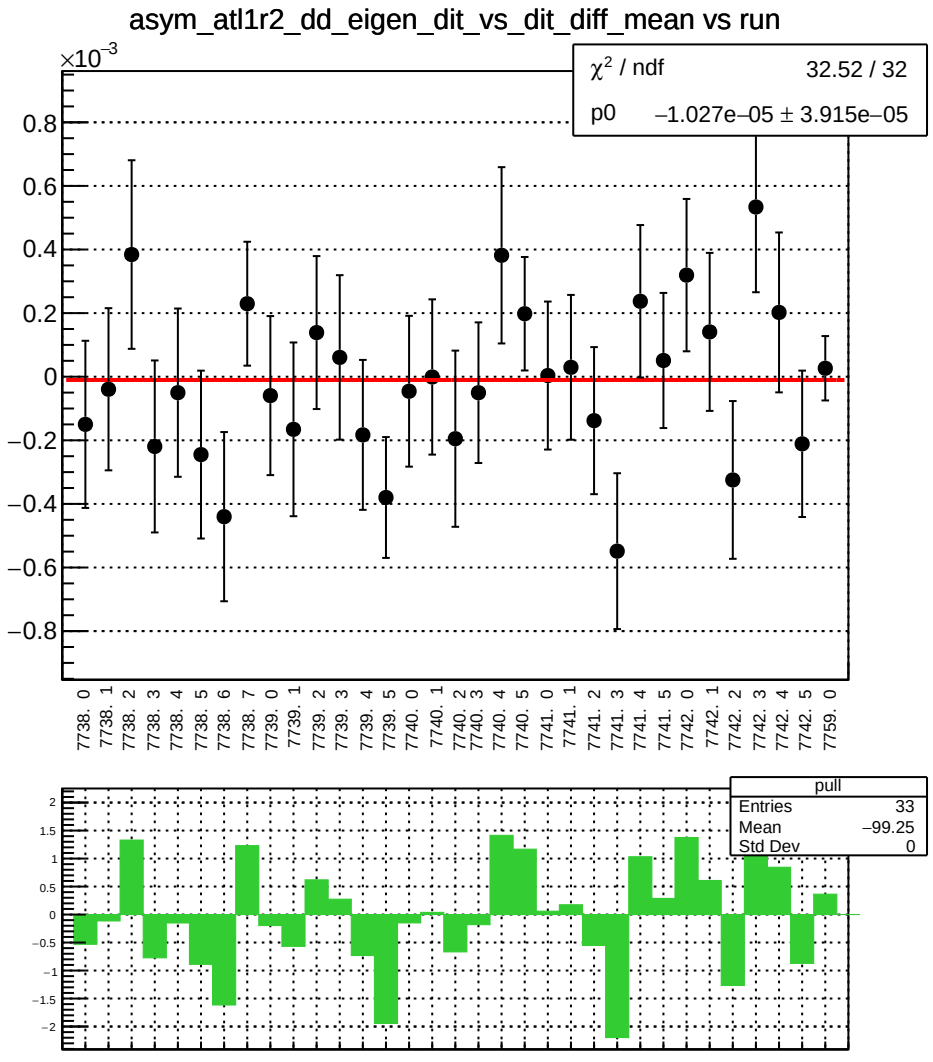

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.93 / 32
p0 0.1992 ± 0.3605
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

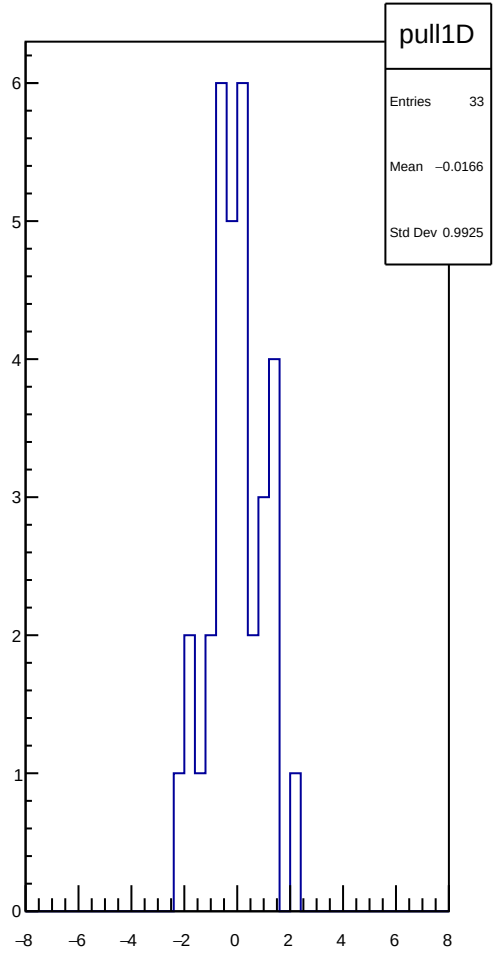

pull1D
Entries 33
Mean 0.008663
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

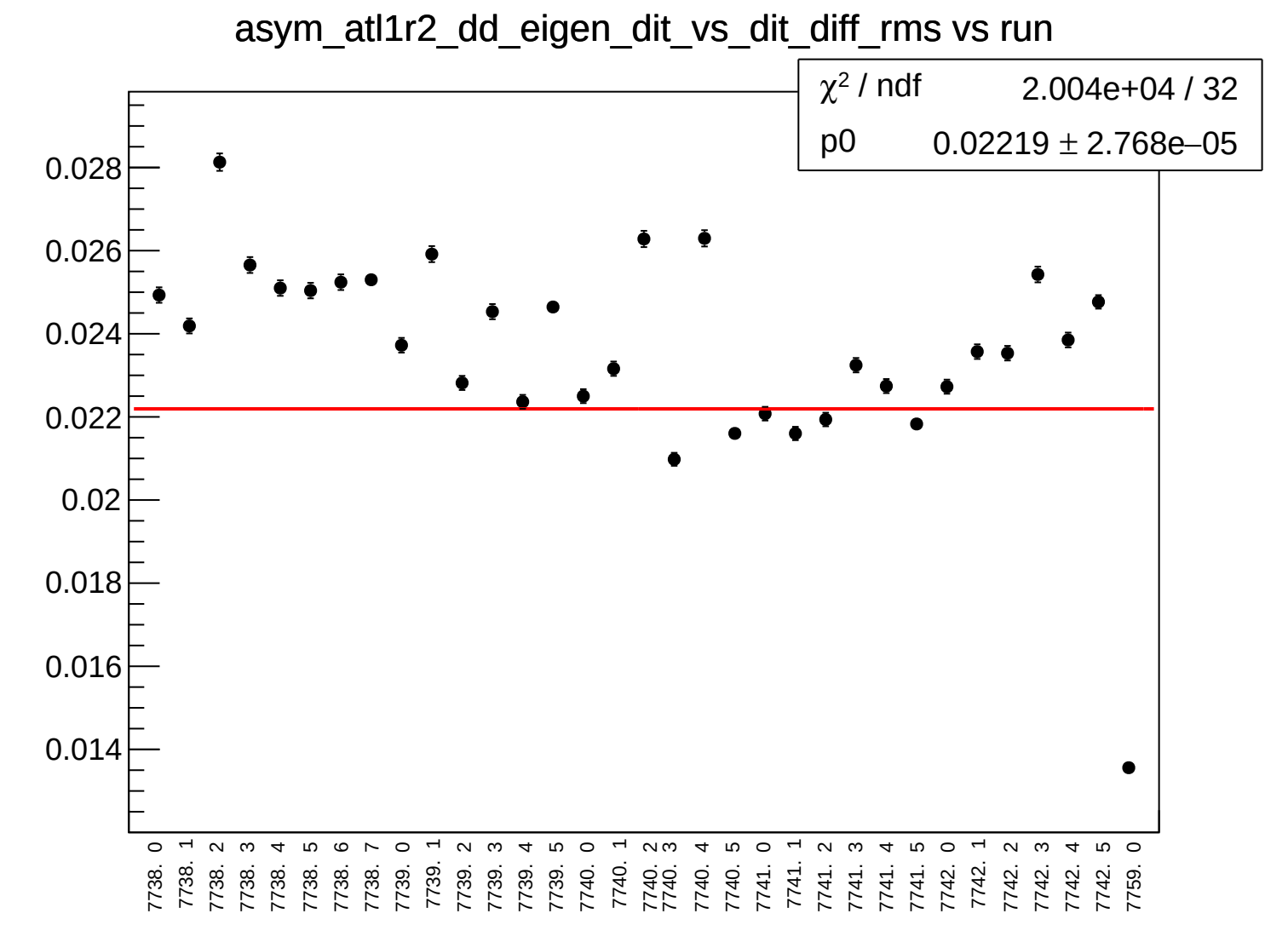

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.311e+04 / 32
p0 202.3 ± 0.2549
450
400
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

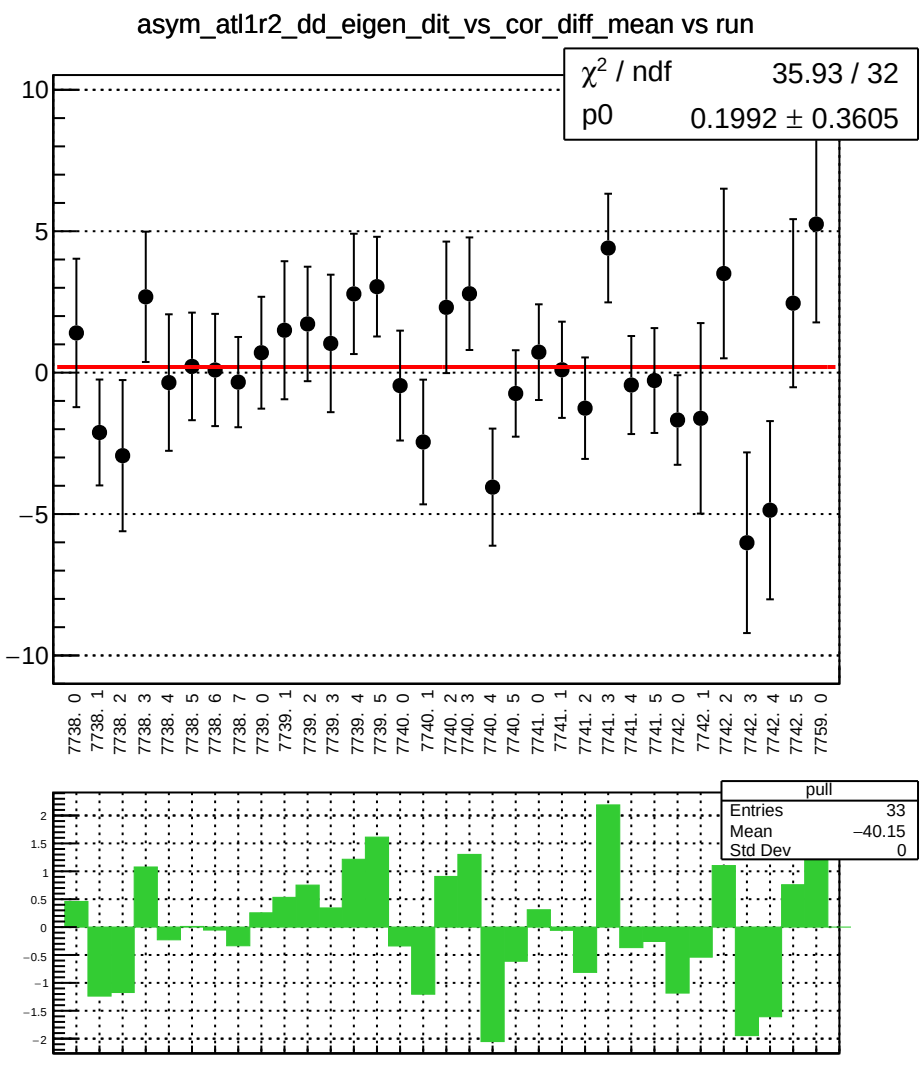

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.93 / 32
p0 0.1992 ± 0.3605
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.008663
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

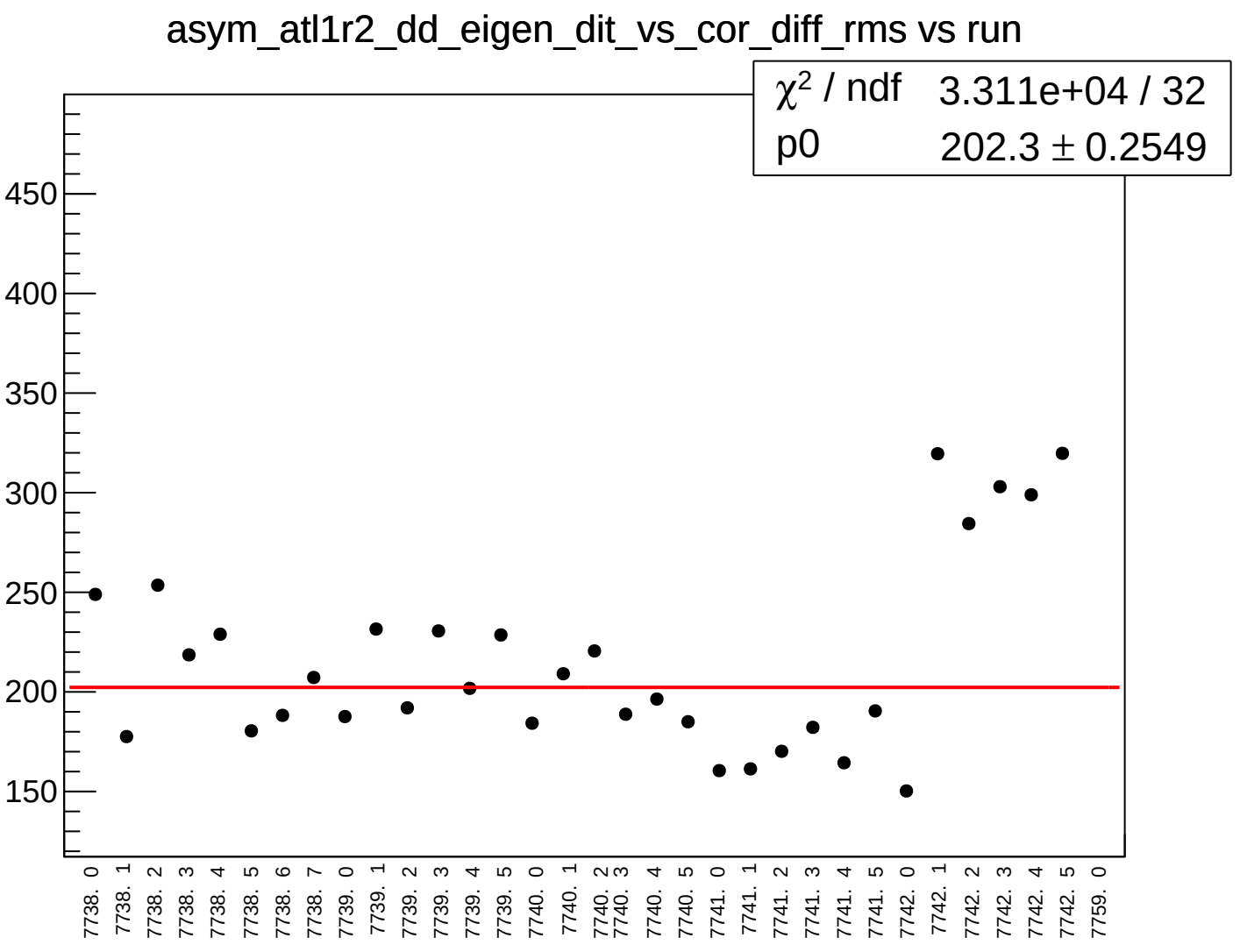

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.311e+04 / 32
p0 202.3 ± 0.2549
450
400
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

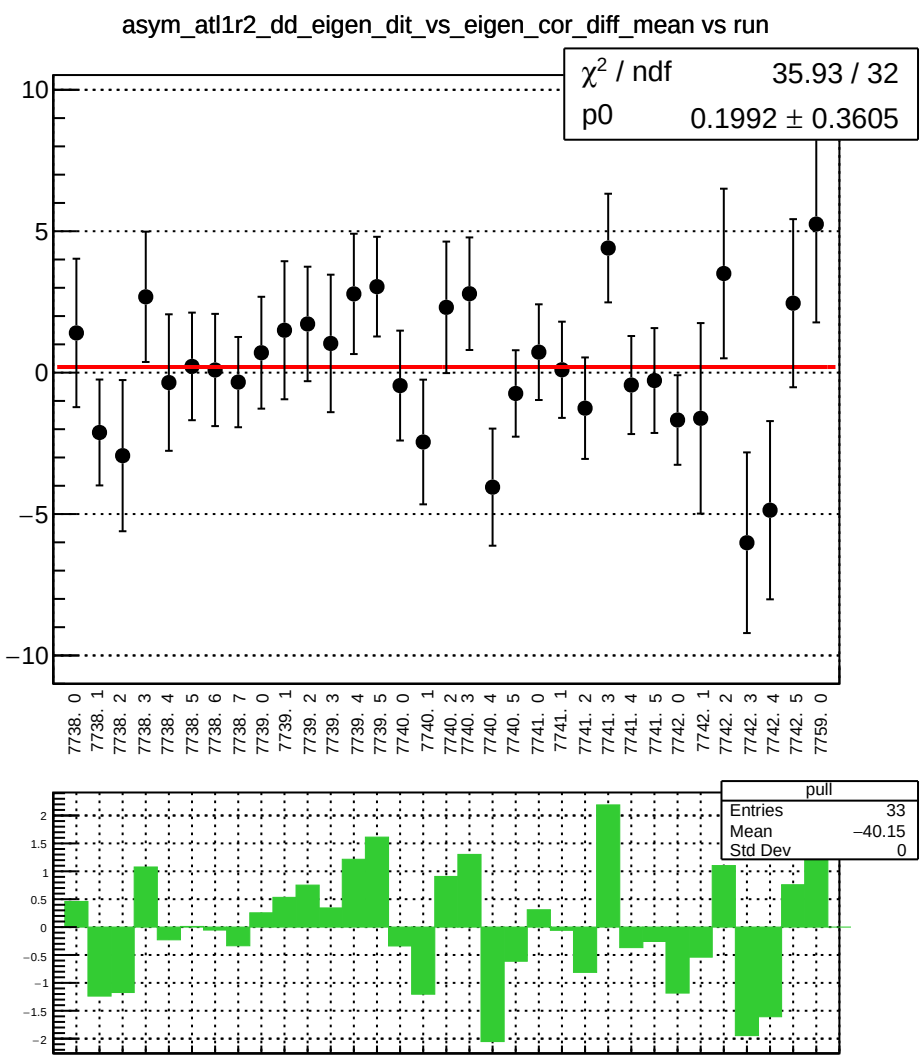

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.52 / 32
p0 −1.027e−05 ± 3.915e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −99.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

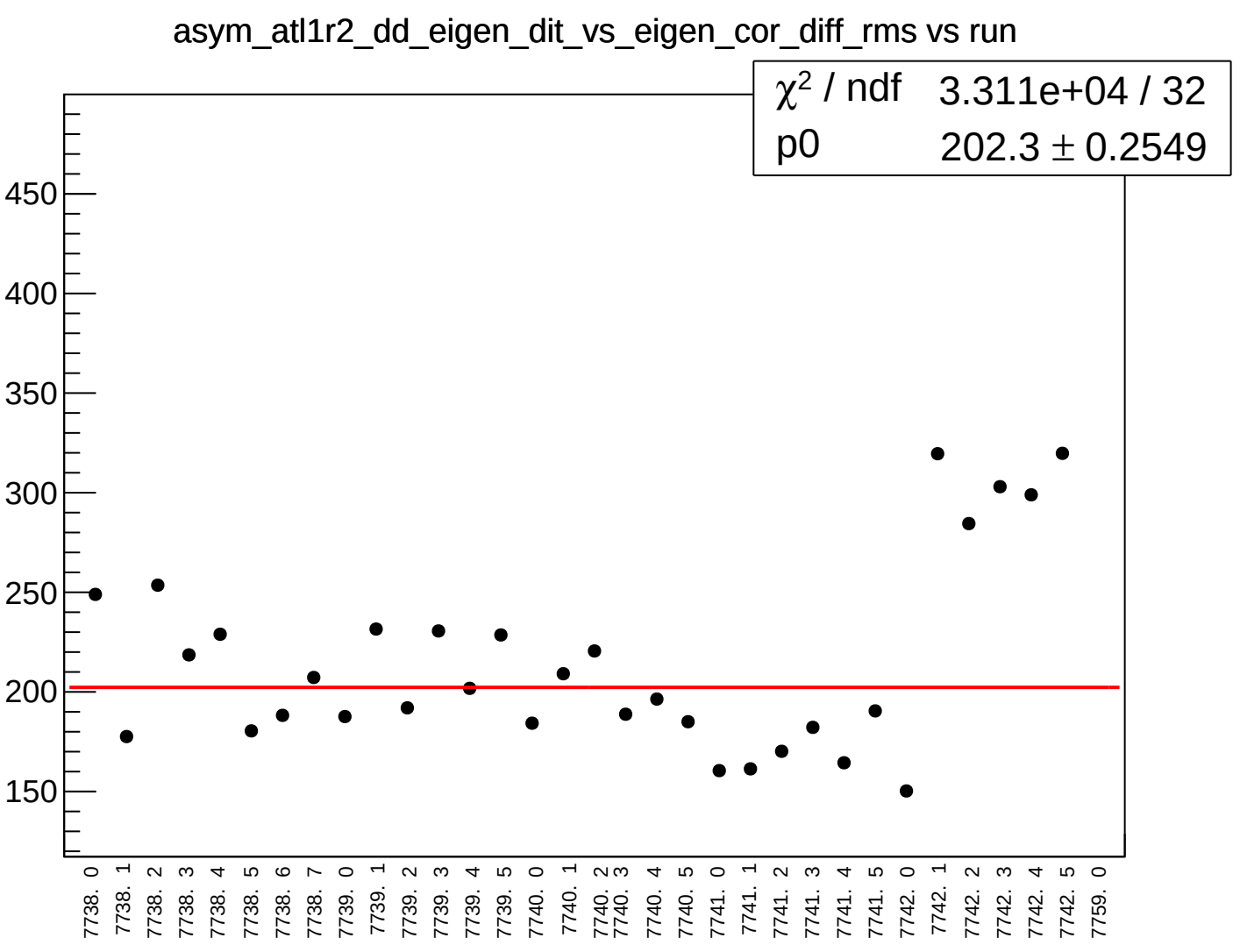

pull1D
Entries 33
Mean −0.0166
Std Dev 0.9925
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

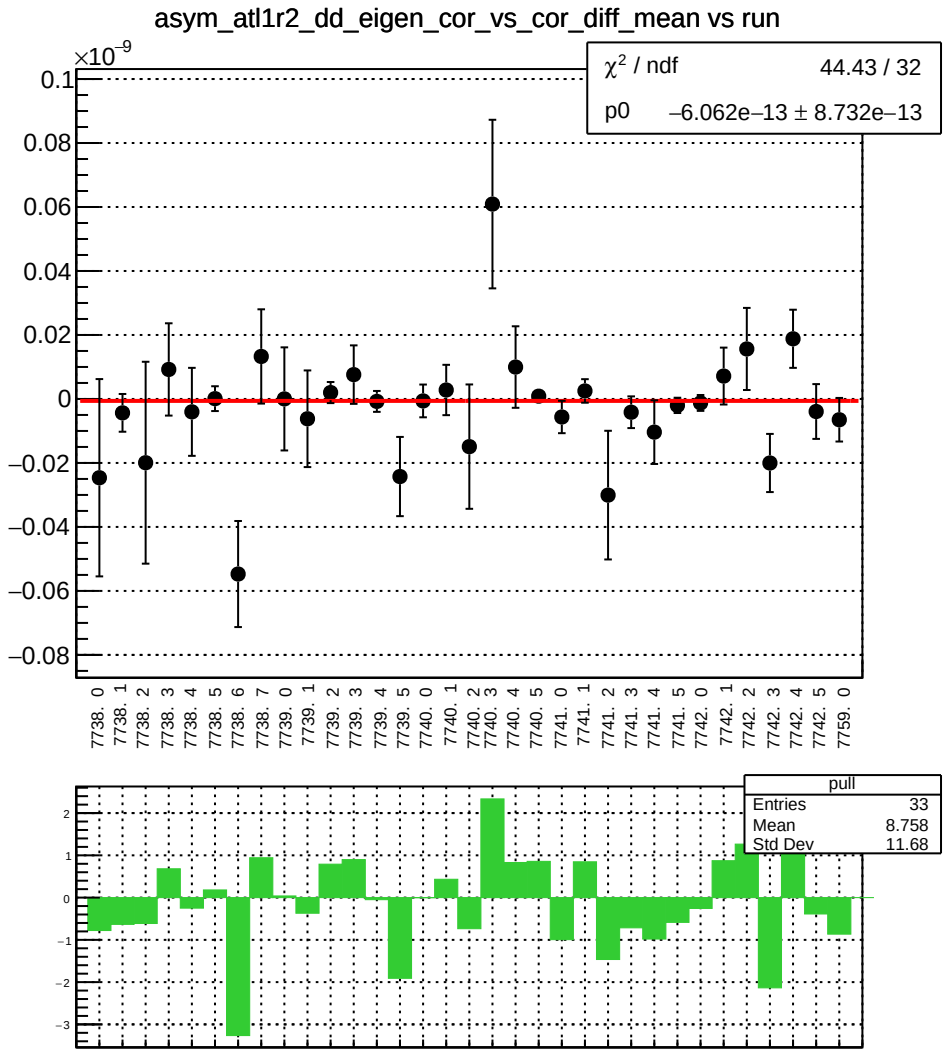

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.004e+04 / 32
p0 0.02219 ± 2.768e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

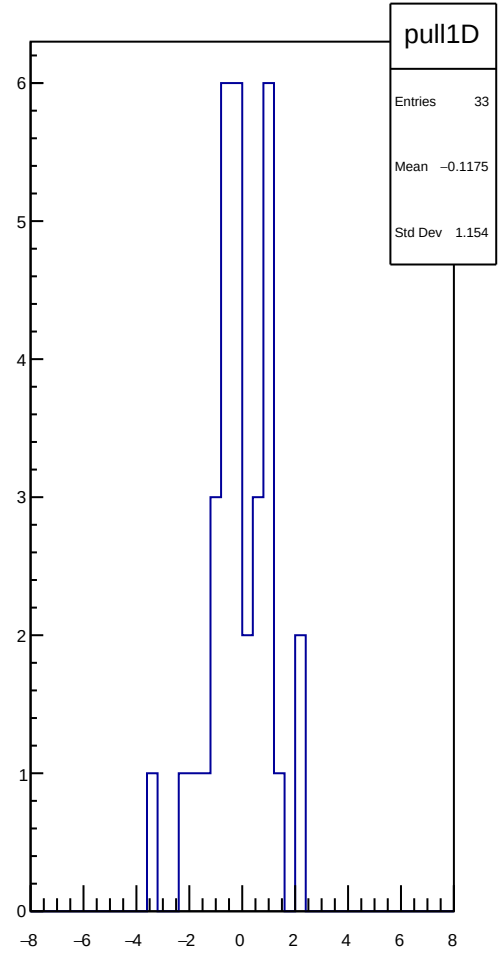

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.93 / 32
p0 0.1992 ± 0.3605
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.008664
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

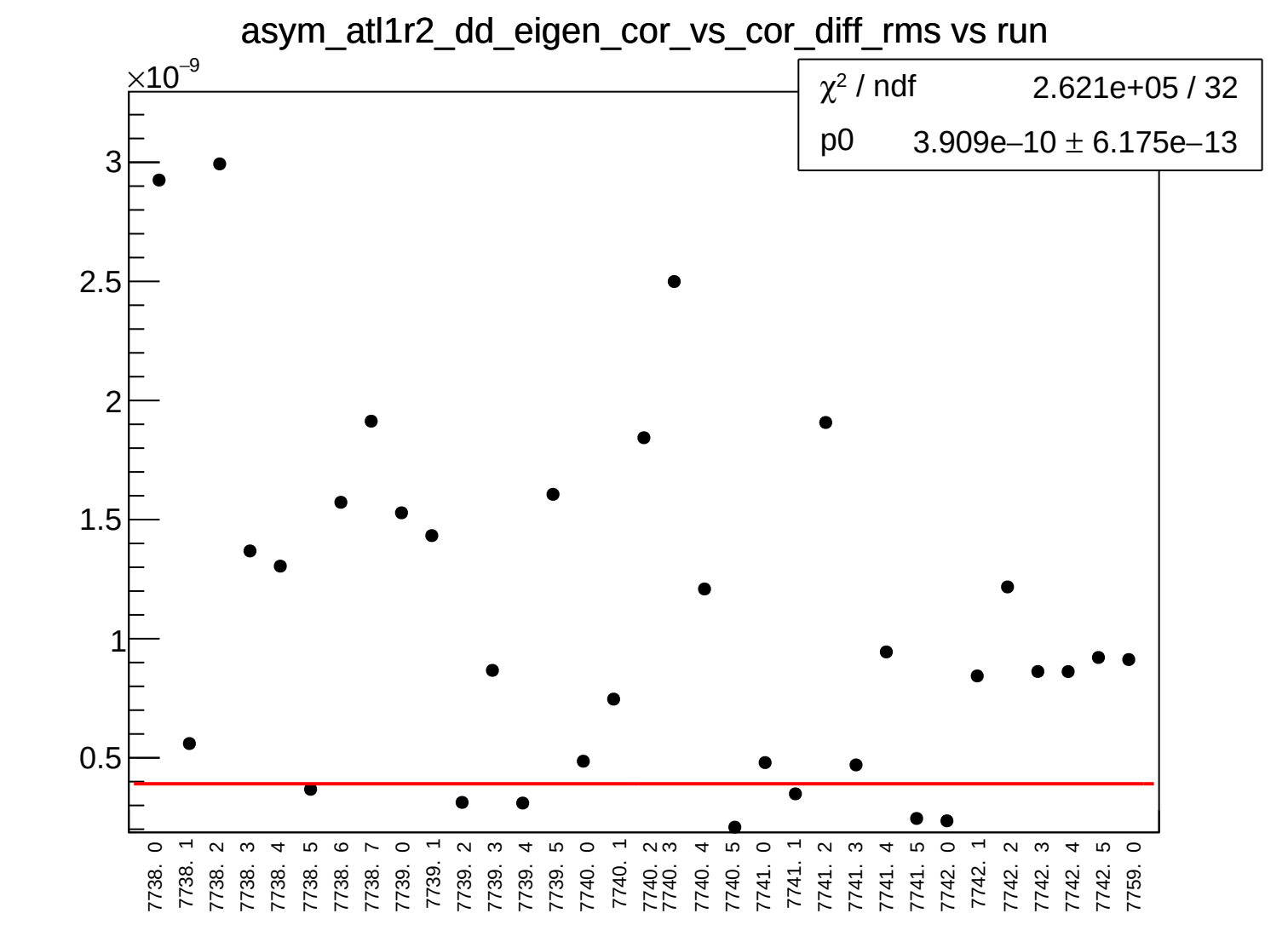

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.311e+04 / 32
p0 202.3 ± 0.2549
450
400
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

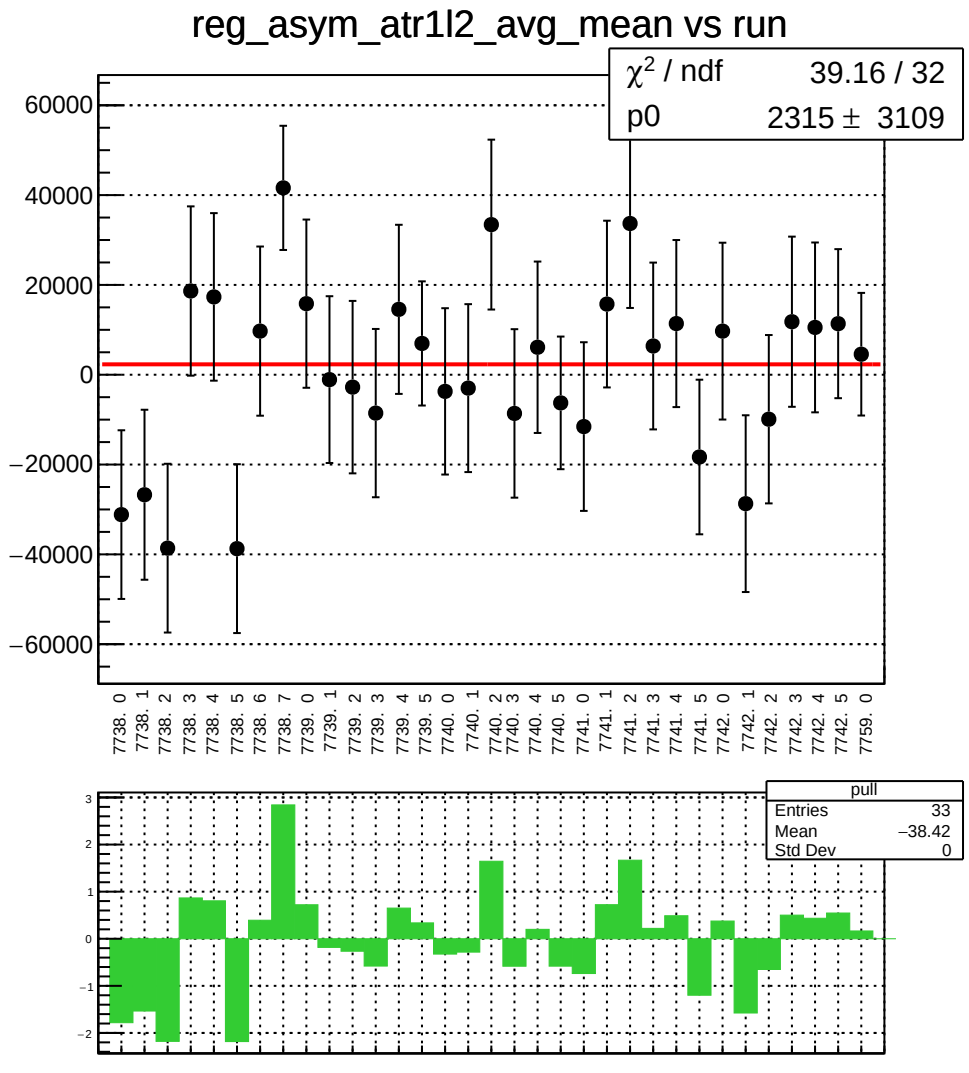

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.93 / 32
p0 0.1992 ± 0.3605
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.008664
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

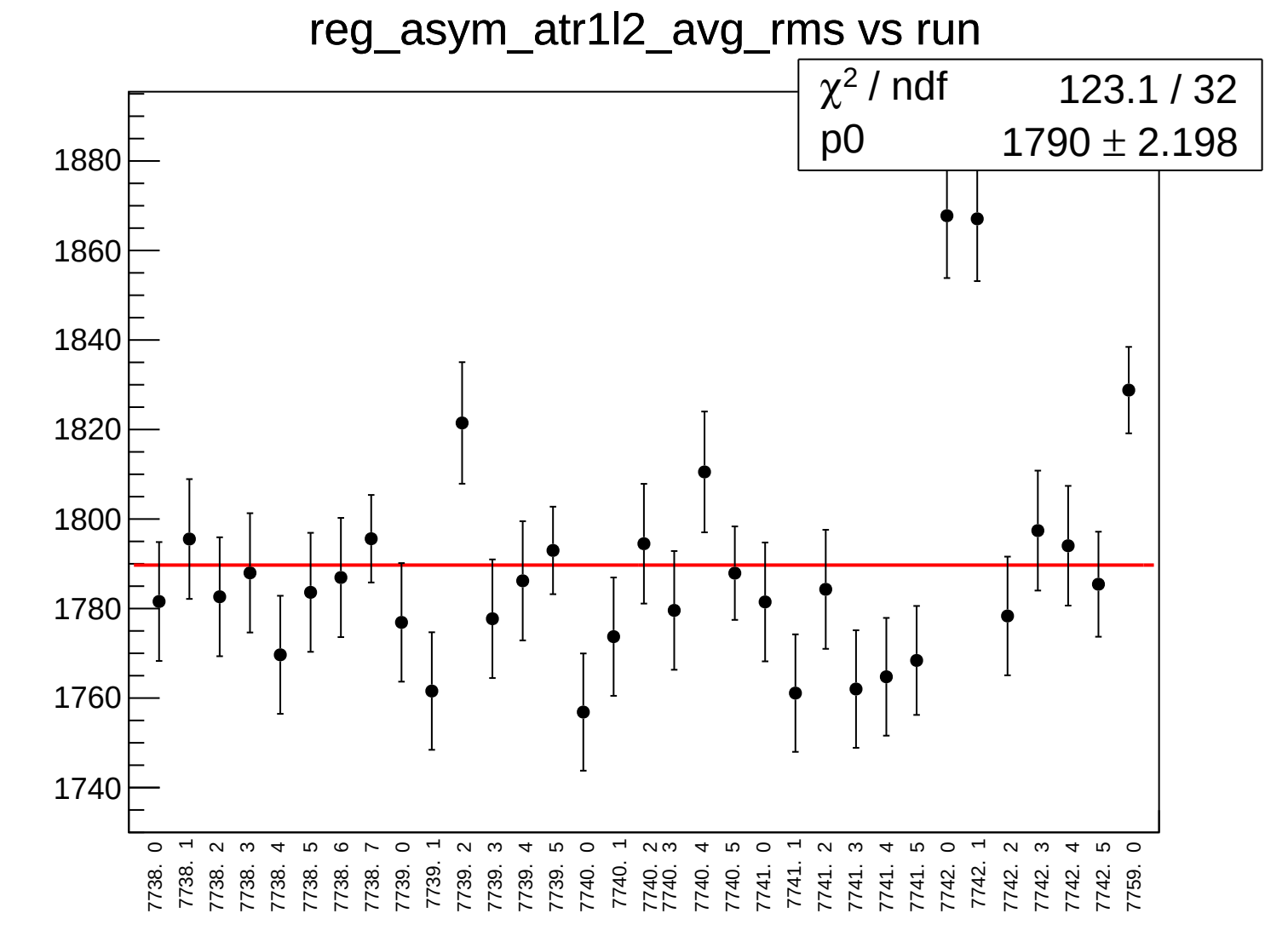

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.311e+04 / 32
p0 202.3 ± 0.2549
450
400
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

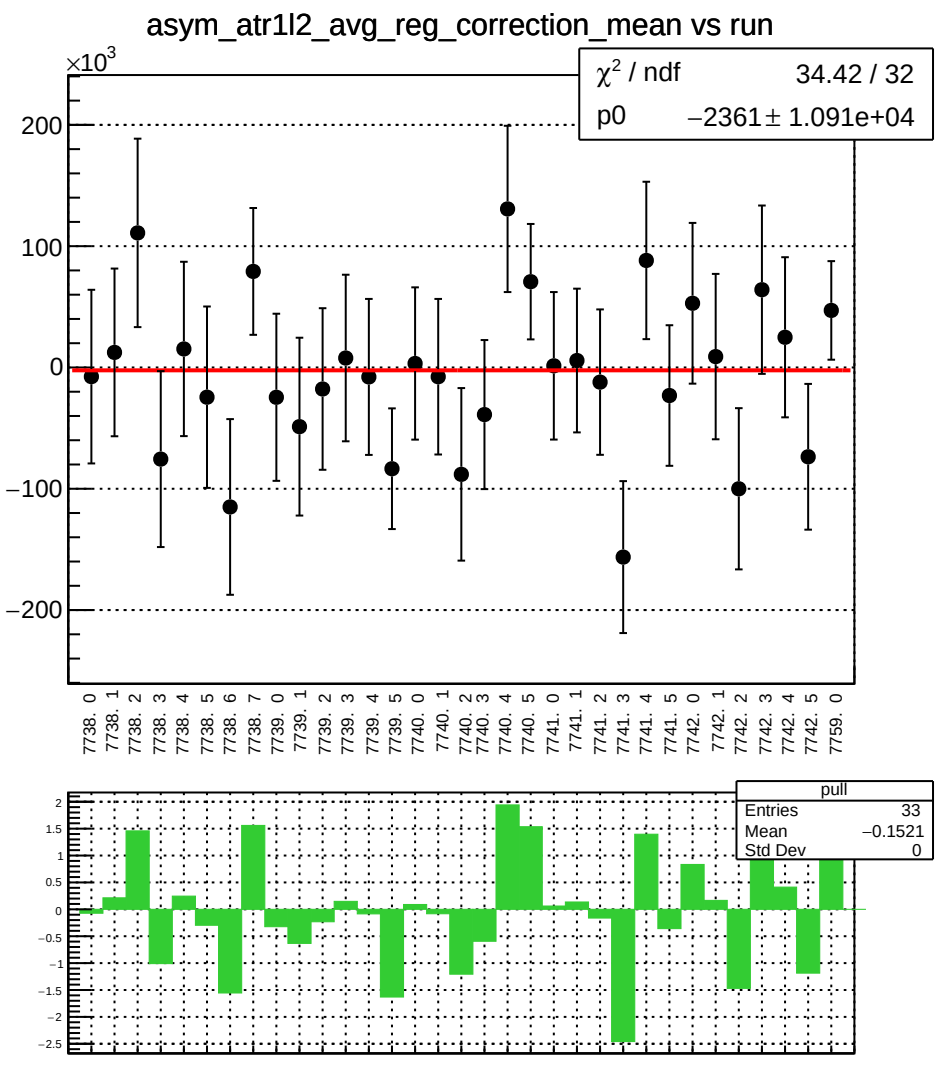

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 44.43 / 32
p0 −6.062e−13 ± 8.732e−13
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.758
Std Dev 11.68
2
1
0
−1
−2
−3

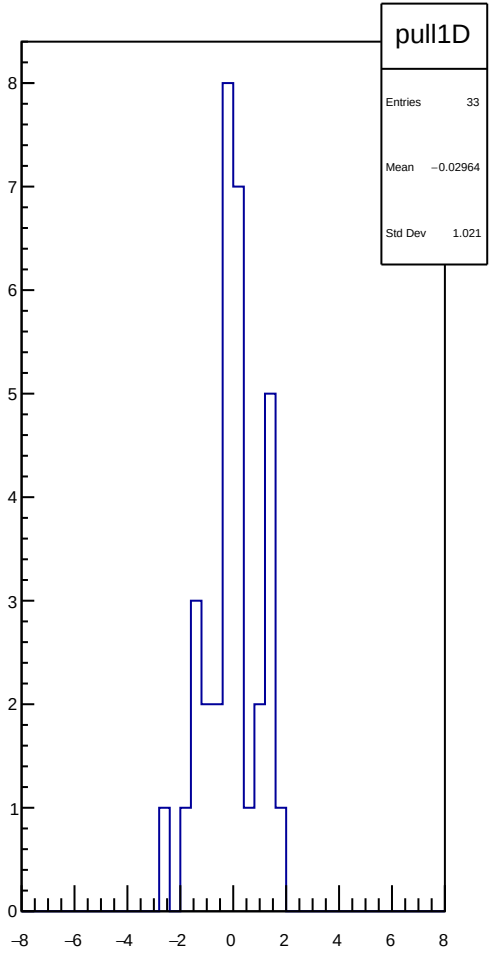

pull1D
Entries 33
Mean −0.1175
Std Dev 1.154
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

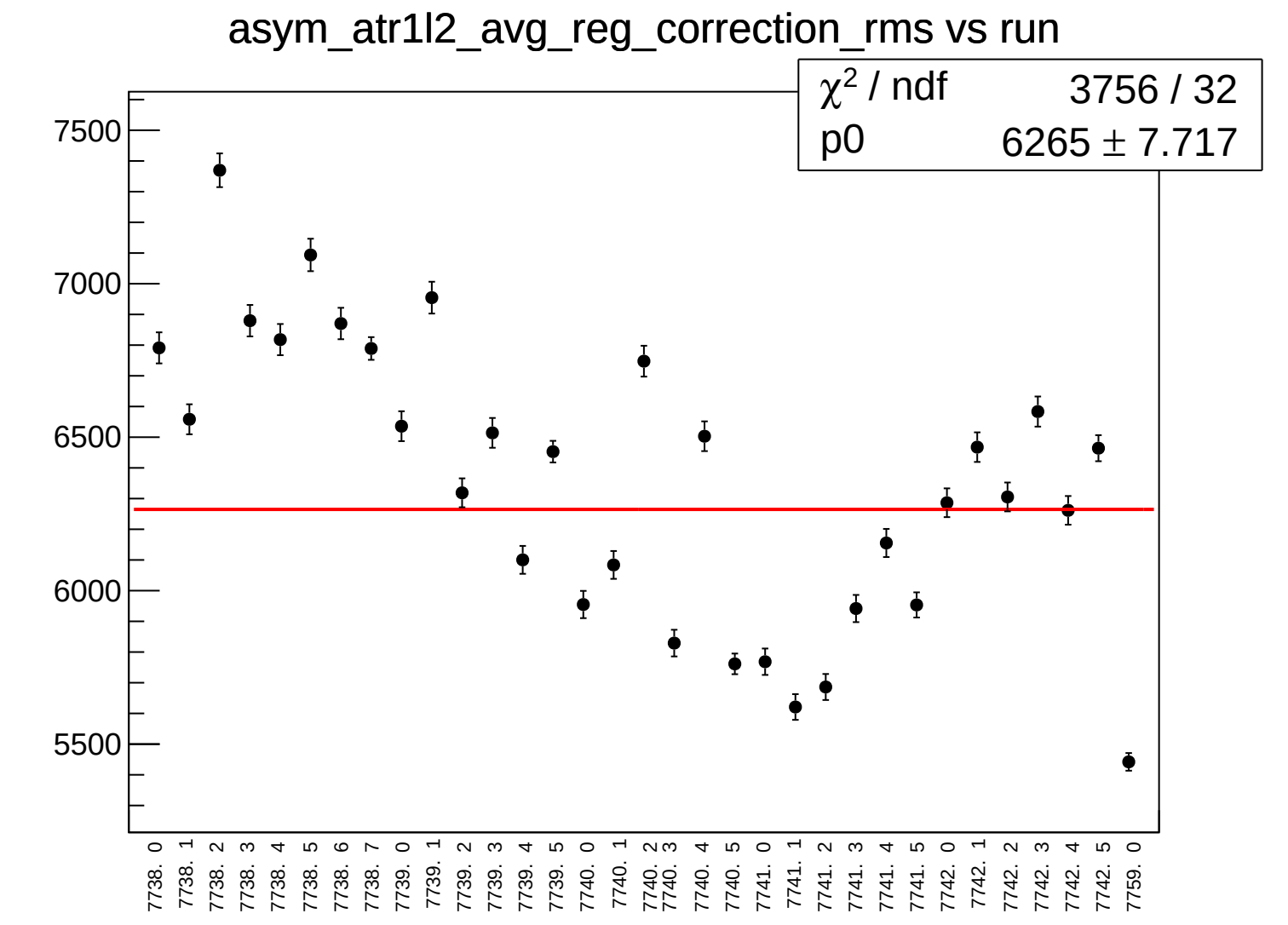

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.621e+05 / 32
p0 3.909e−10 ± 6.175e−13
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

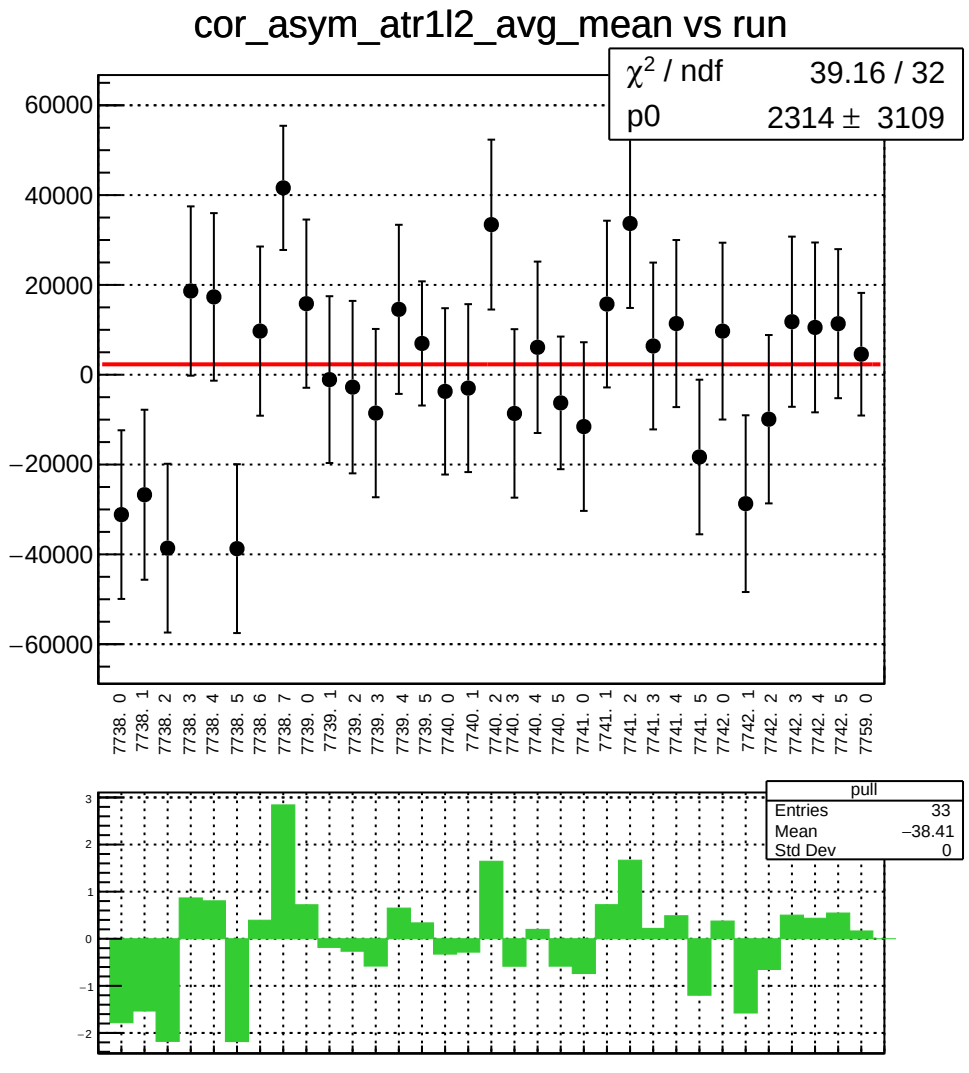

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 39.16 / 32
p0 2315 ± 3109
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.42
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.03219
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

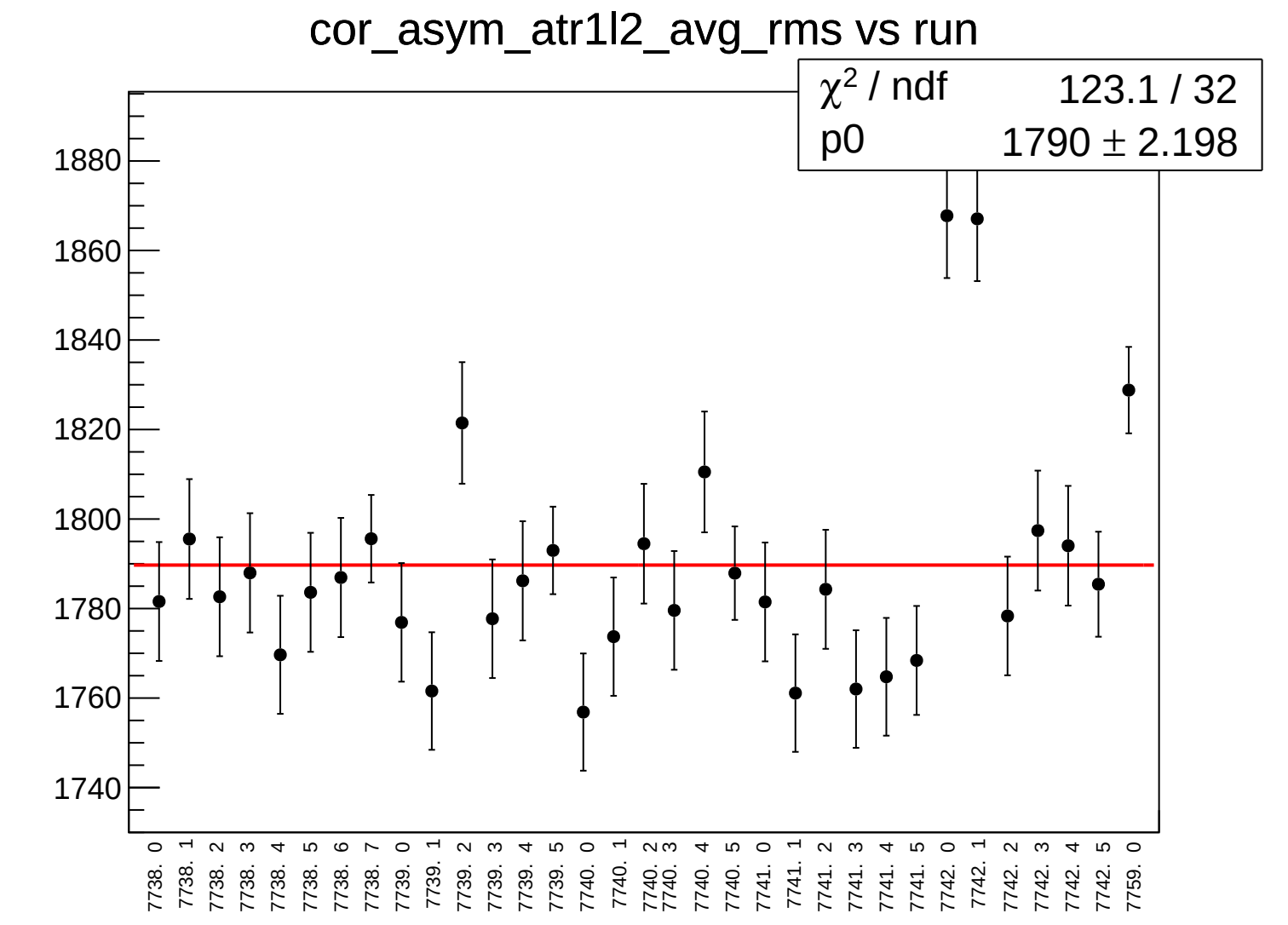

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 123.1 / 32
p0 1790 ± 2.198
1880
1860
1840
1820
1800
1780
1760
1740
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

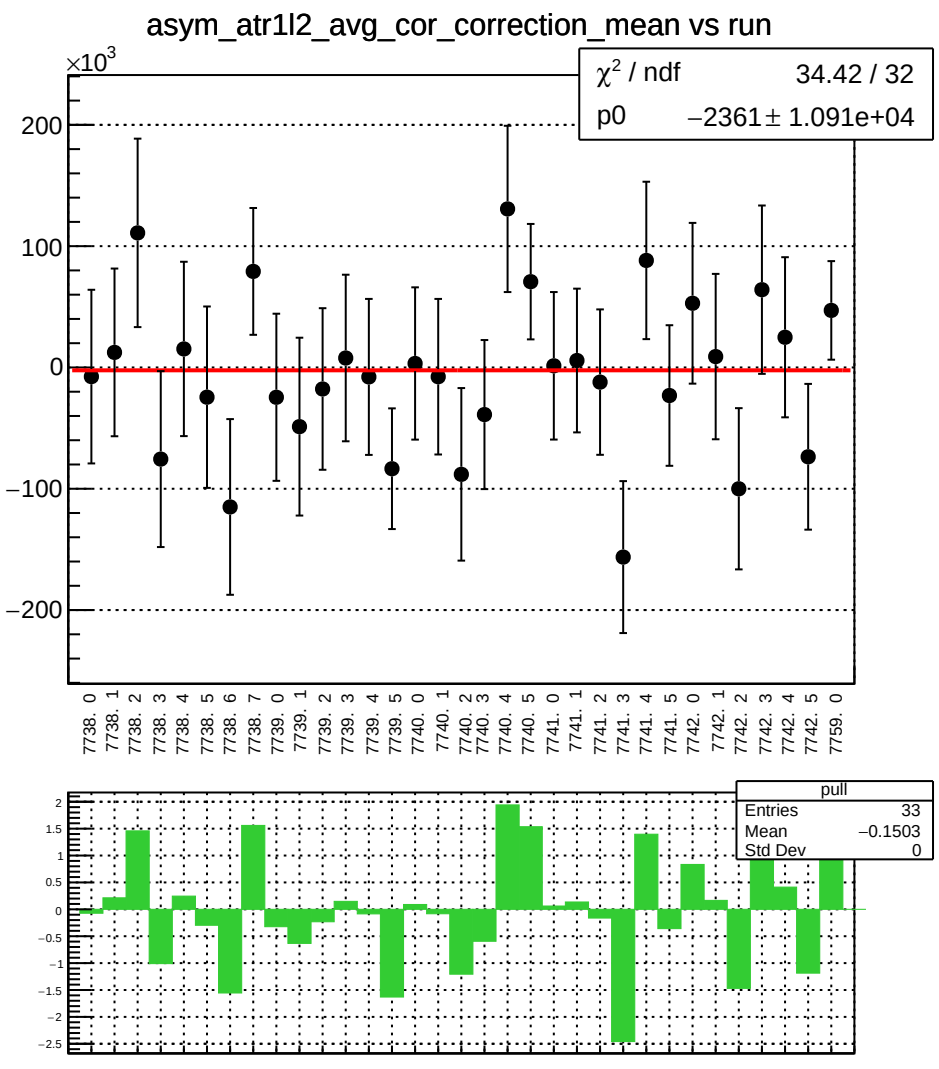

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.42 / 32
p0 −2361 ± 1.091e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.1521
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

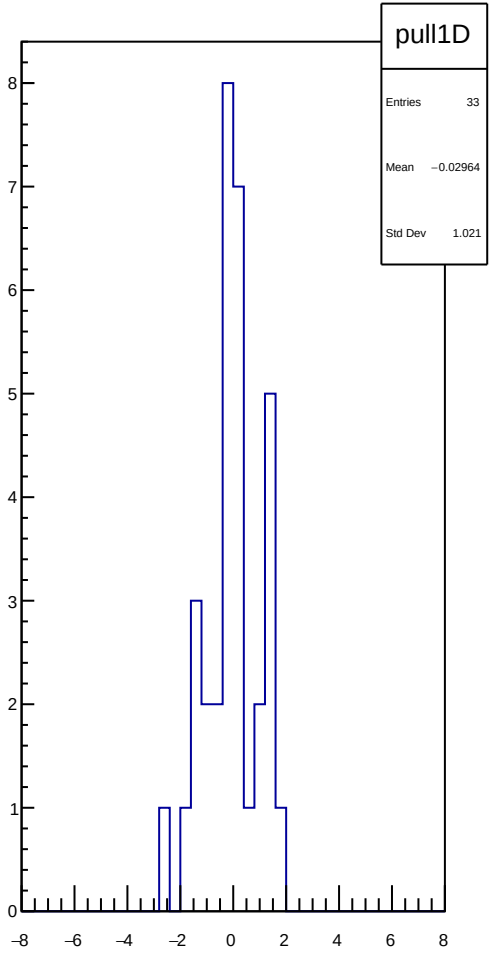

pull1D
Entries 33
Mean −0.02964
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

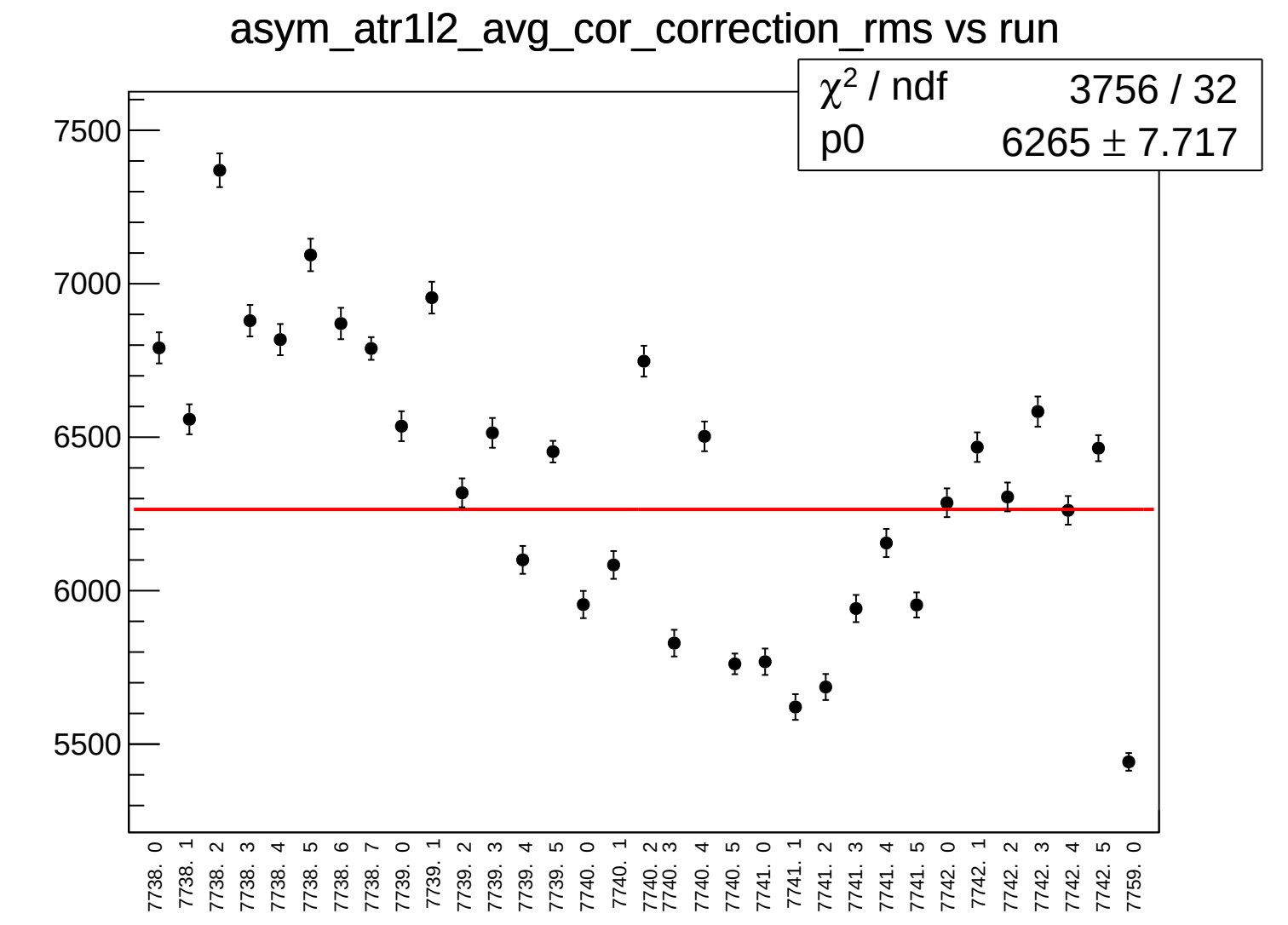

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 3756 / 32
p0 6265 ± 7.717
7500
7000
6500
6000
5500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

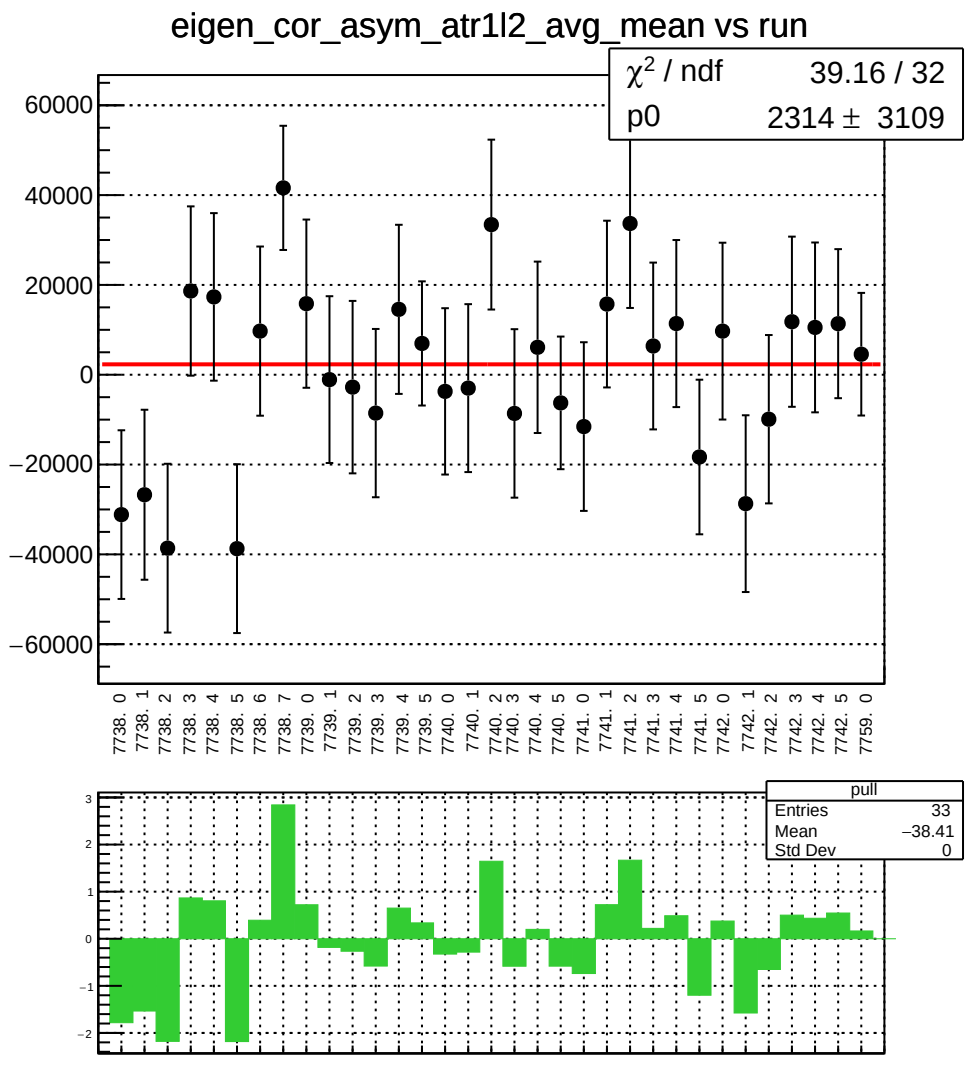

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 39.16 / 32
p0 2314 ± 3109
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.41
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.03219
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

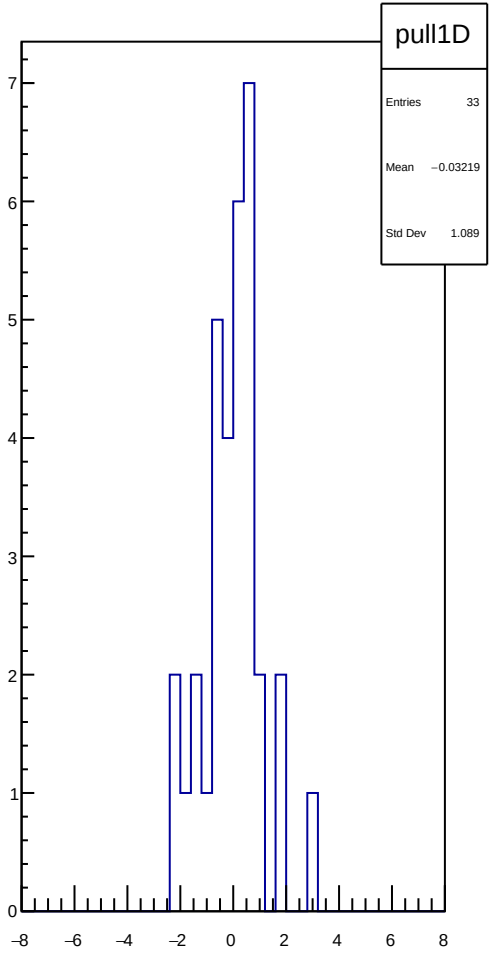

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 123.1 / 32
p0 1790 ± 2.198
1880
1860
1840
1820
1800
1780
1760
1740
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

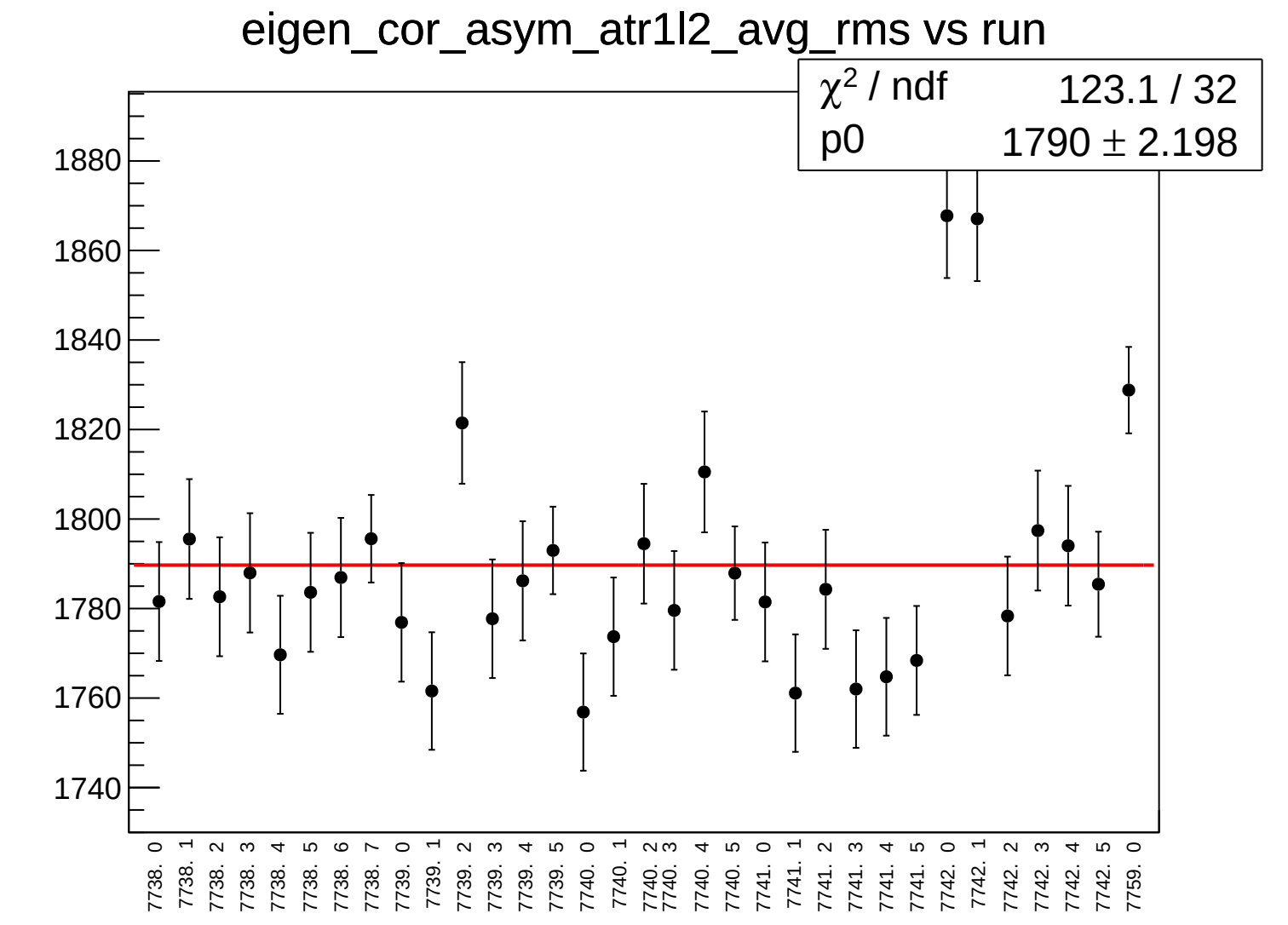

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.42 / 32
p0 −2361 ± 1.091e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.1503
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

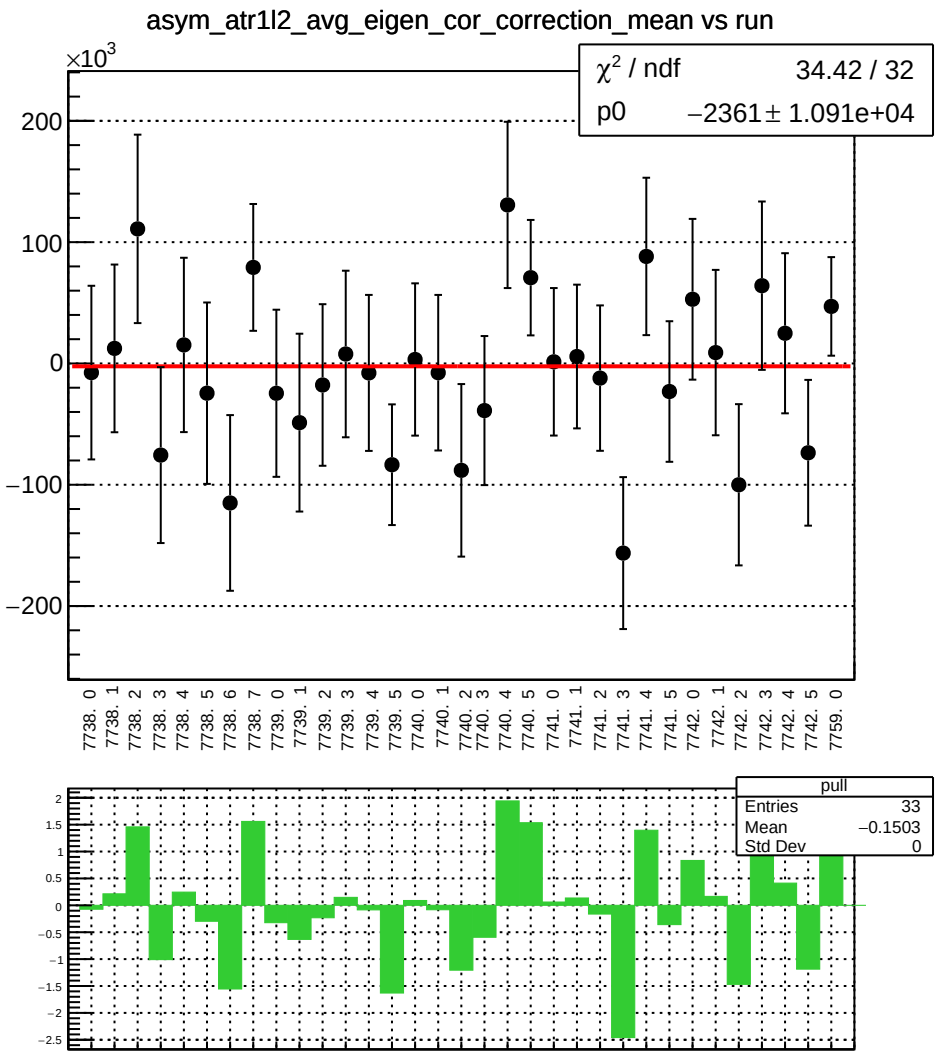

pull1D
Entries 33
Mean −0.02964
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

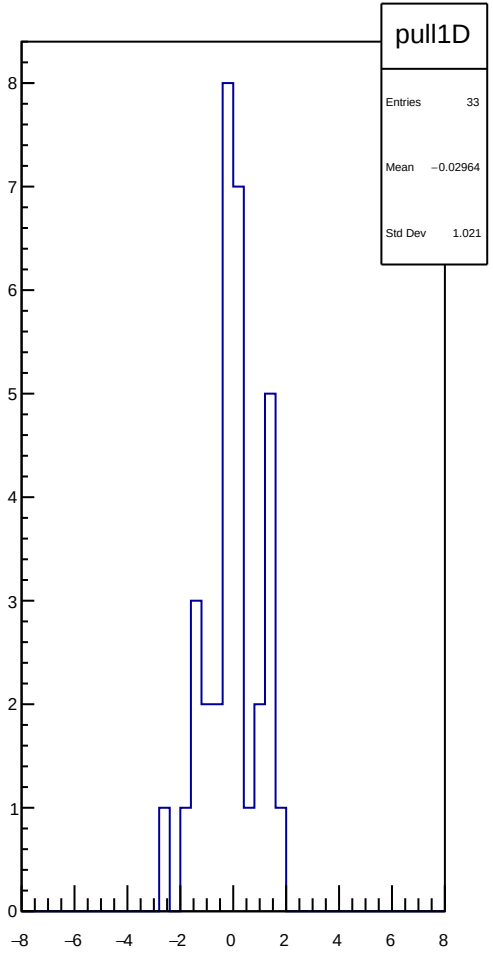

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 3756 / 32
p0 6265 ± 7.717
7500
7000
6500
6000
5500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

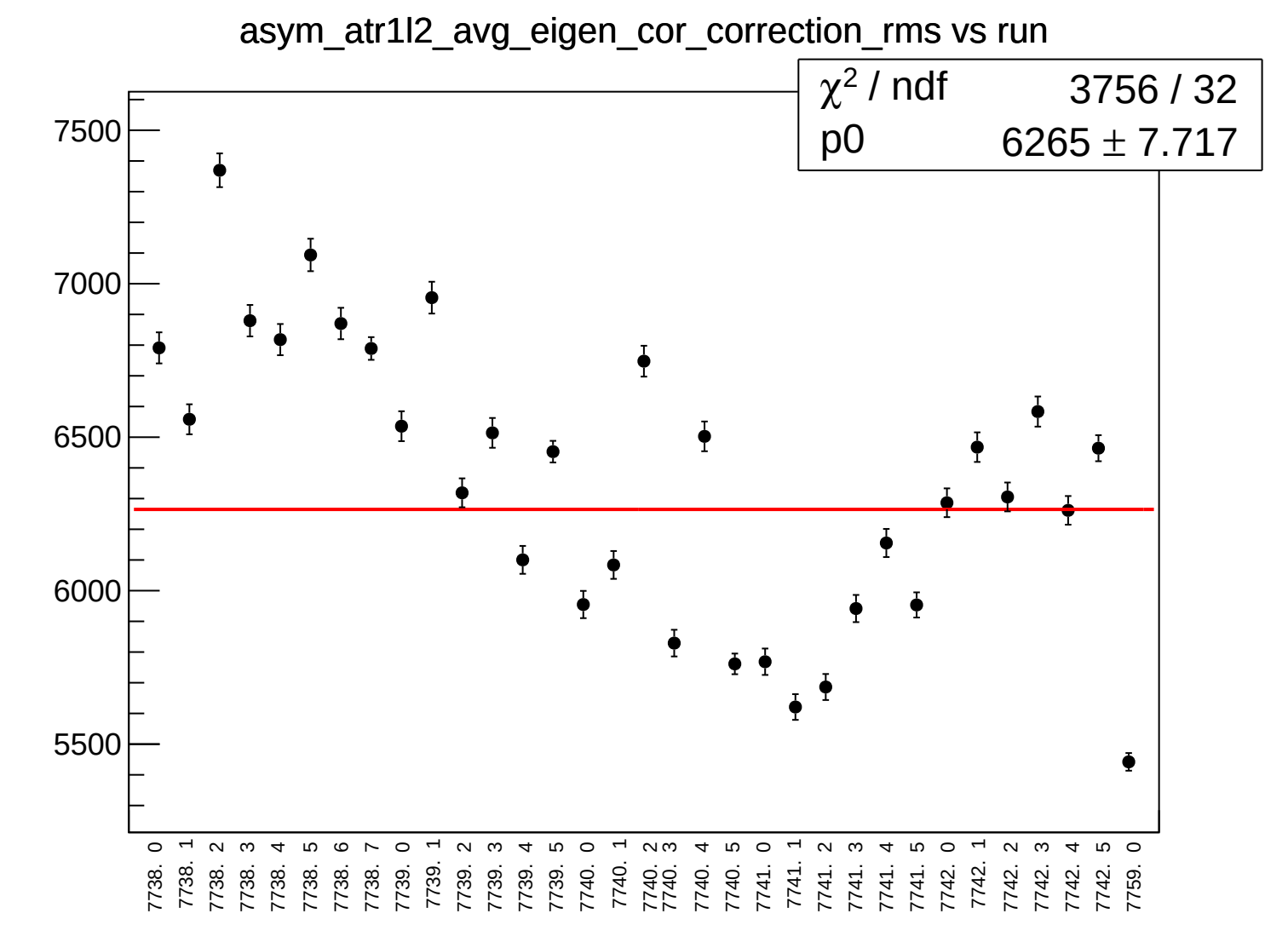

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 39.16 / 32
p0 2314 ± 3109
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.41
Std Dev 0
3
2
1
0
−1
−2

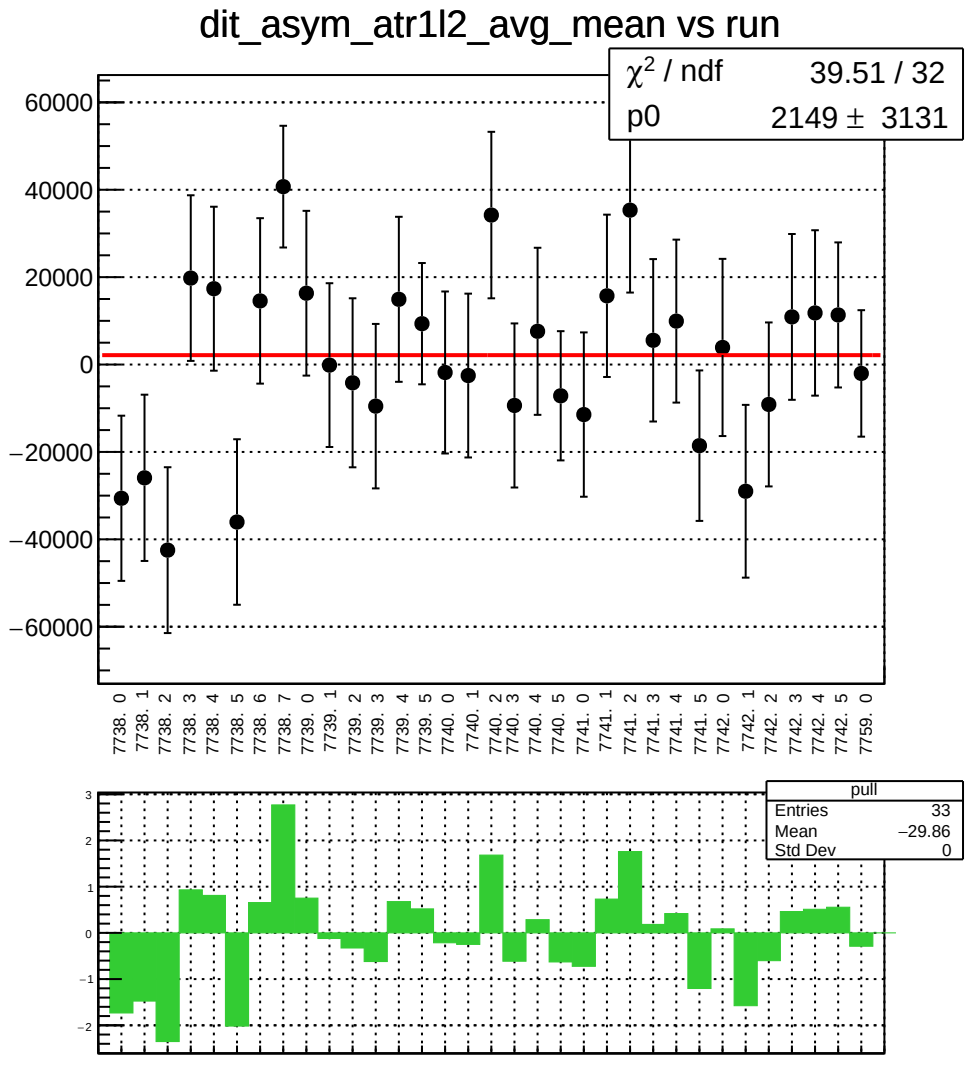

pull1D
Entries 33
Mean −0.03219
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

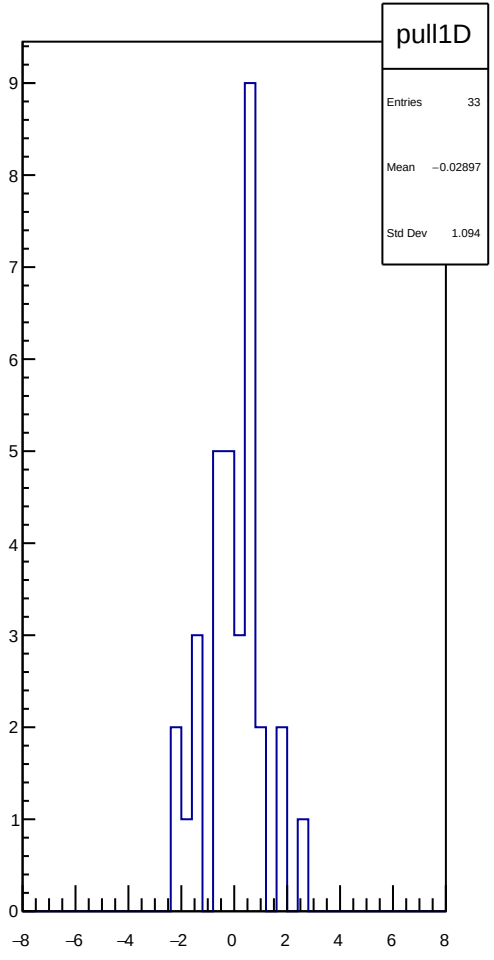

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 123.1 / 32
p0 1790 ± 2.198
1880
1860
1840
1820
1800
1780
1760
1740
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

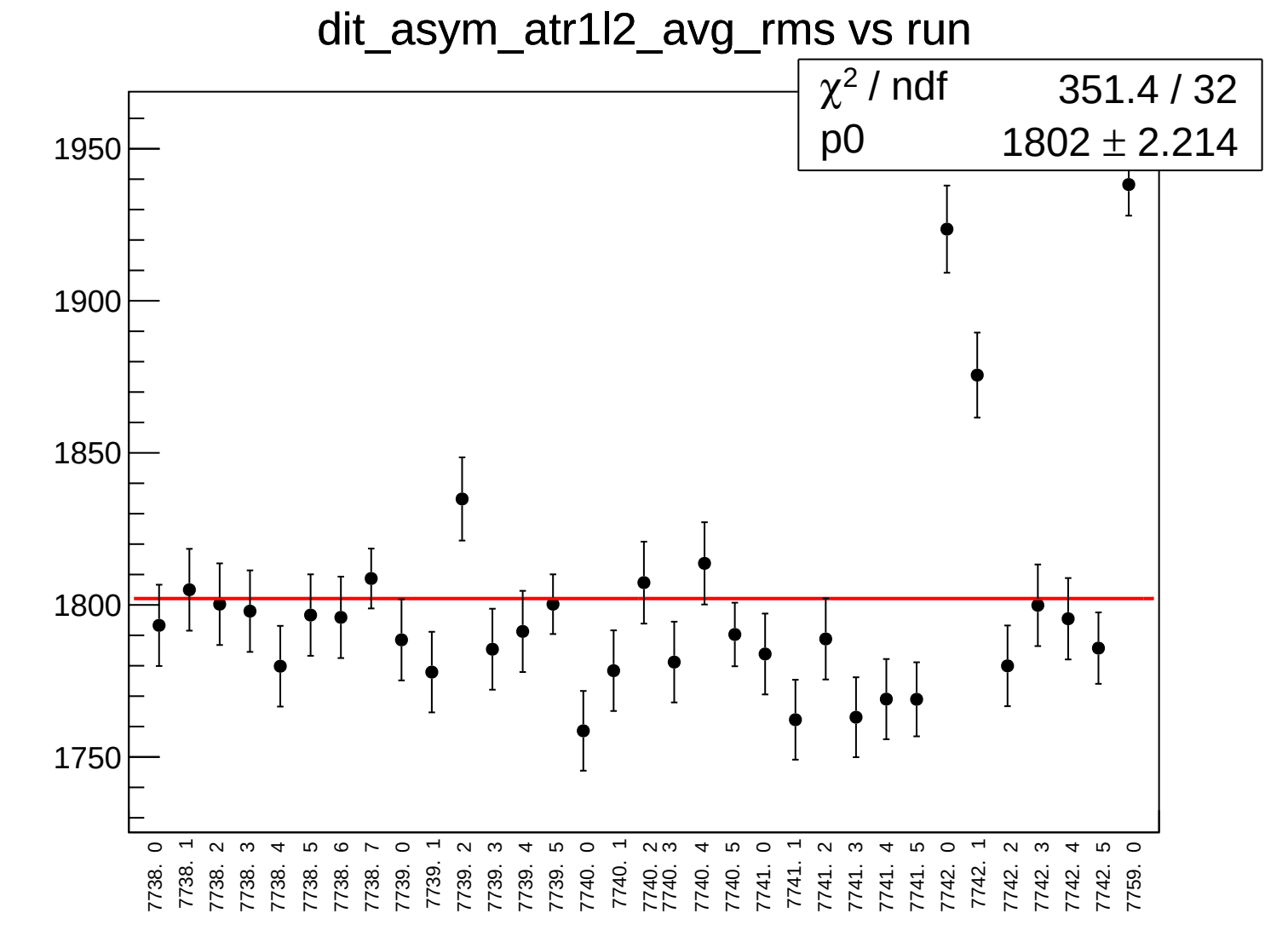

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.42 / 32
p0 −2361 ± 1.091e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.1503
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

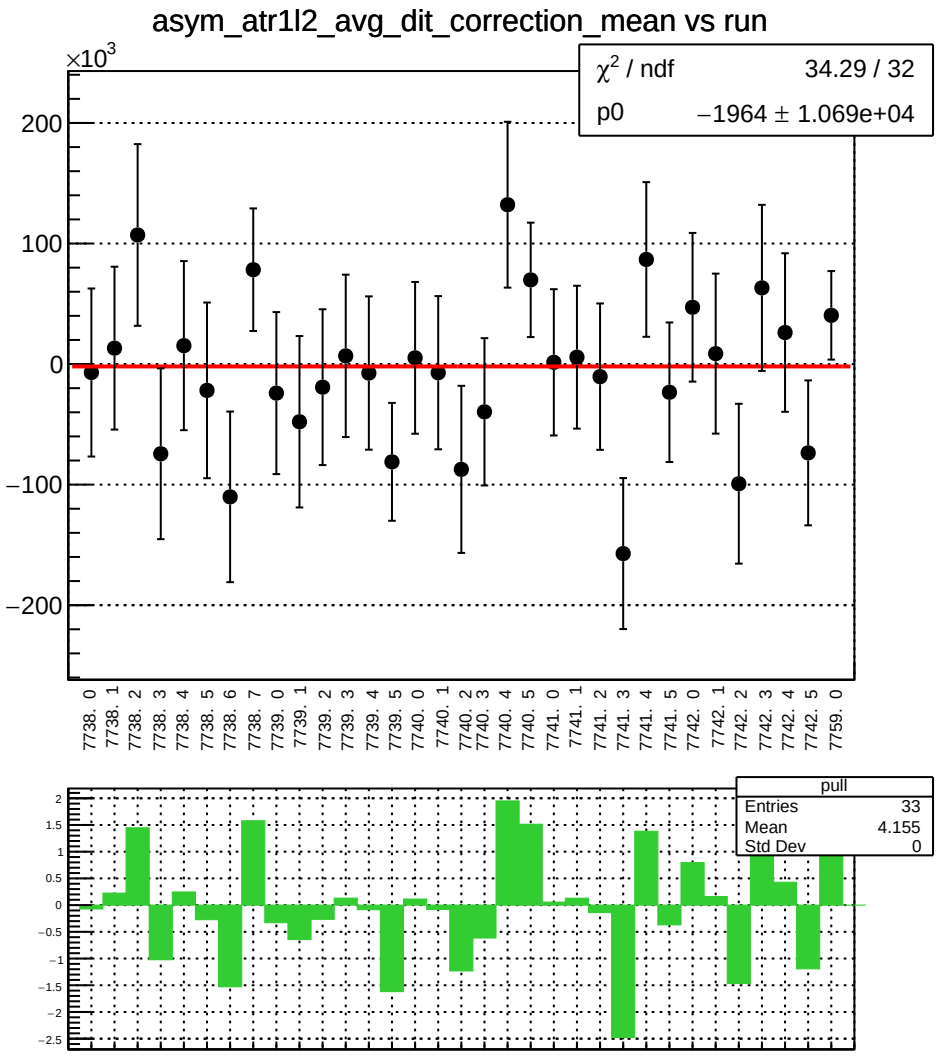

pull1D
Entries 33
Mean −0.02964
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

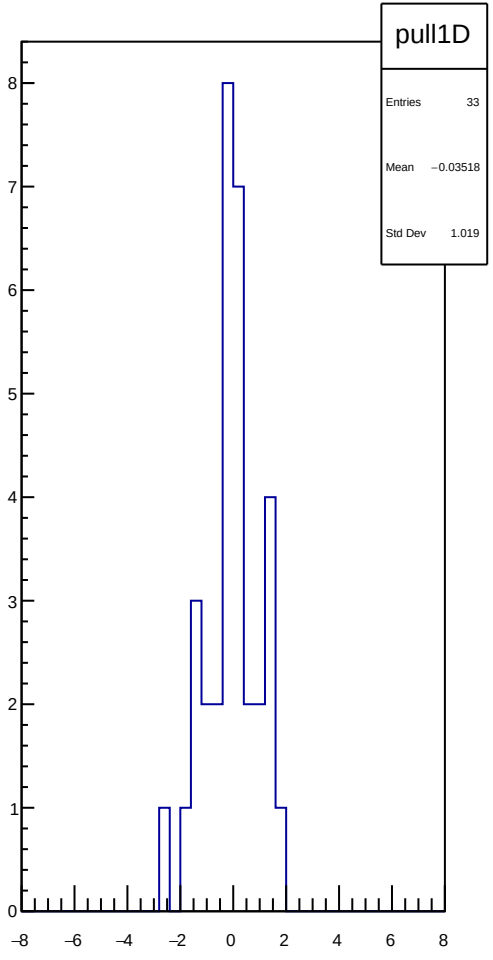

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3756 / 32
p0 6265 ± 7.717
7500
7000
6500
6000
5500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

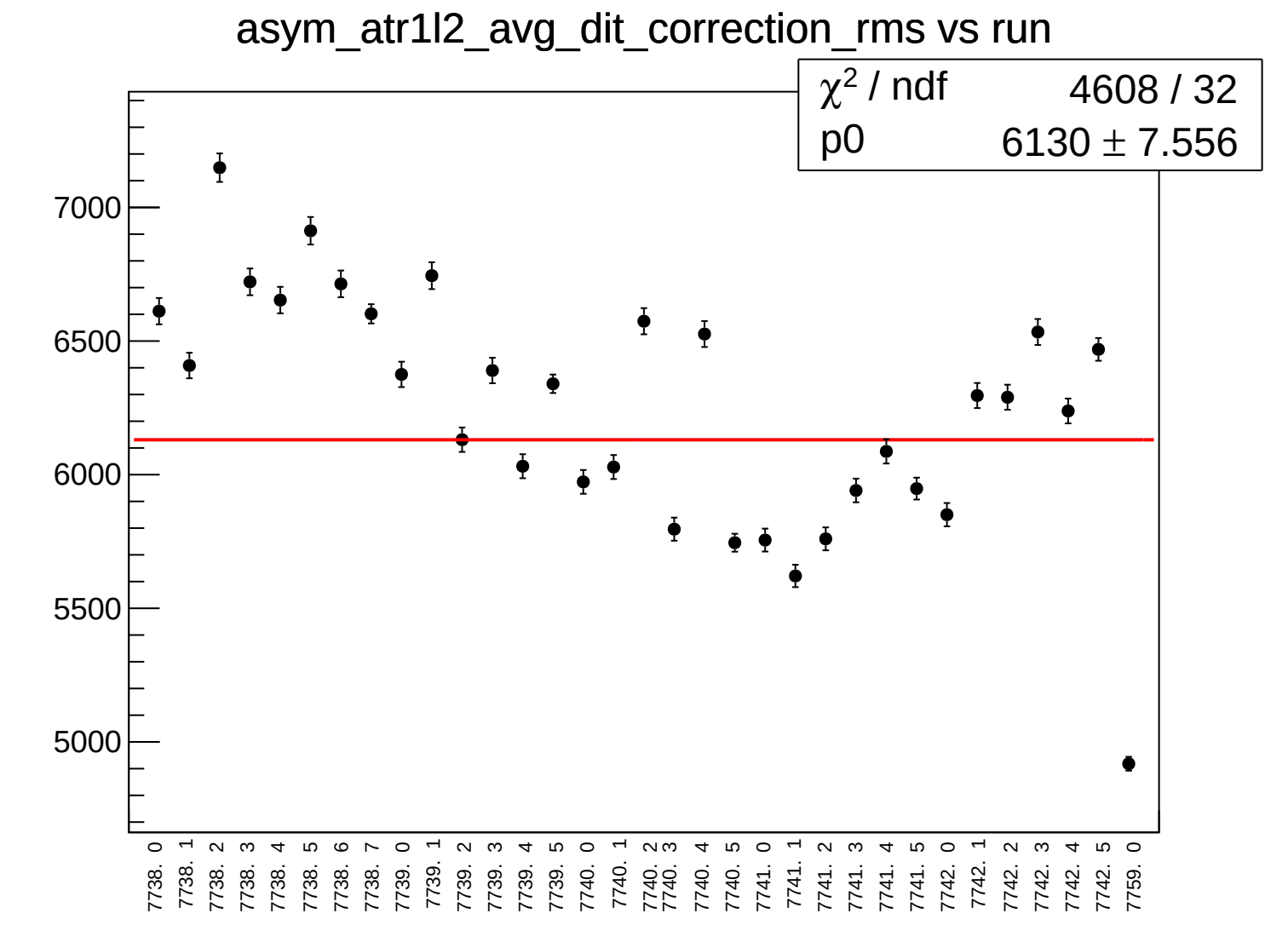

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 39.51 / 32
p0 2149 ± 3131
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.86
Std Dev 0
3
2
1
0
−1
−2

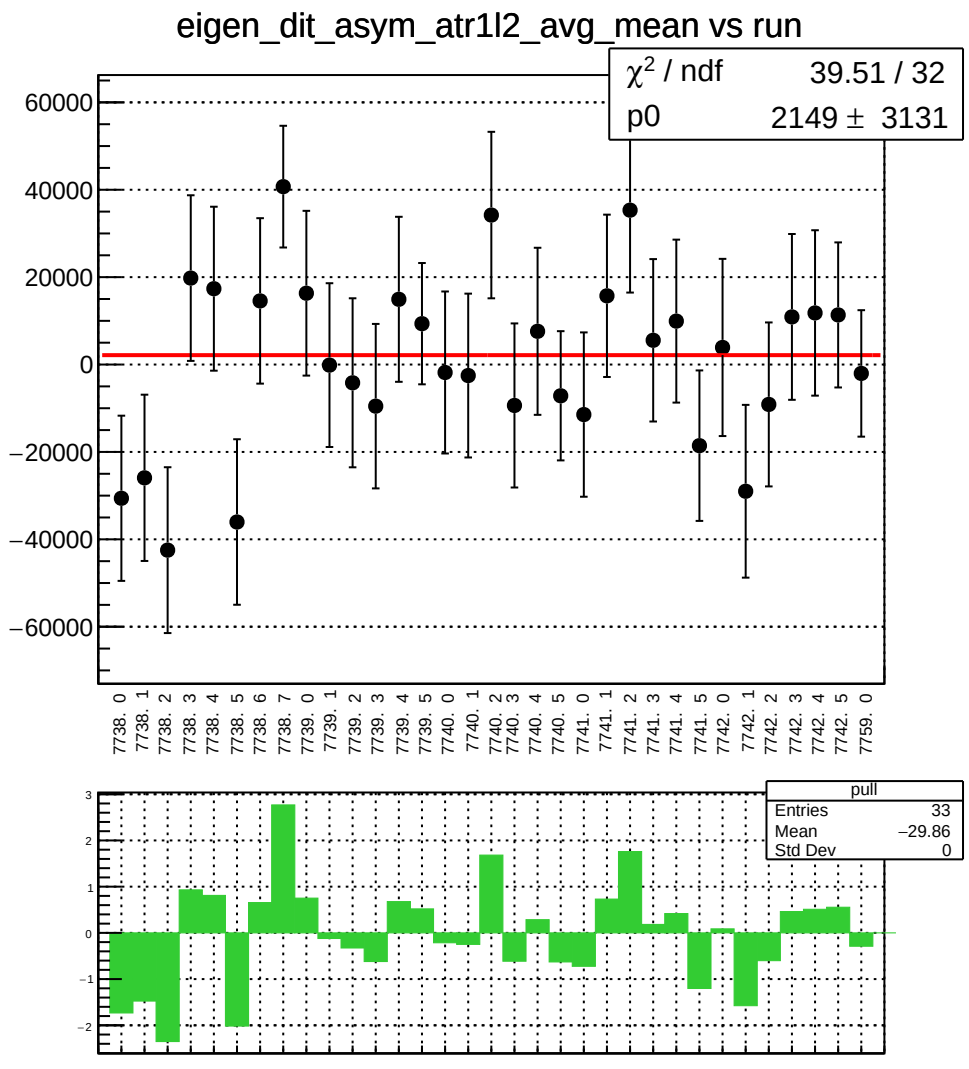

pull1D
Entries 33
Mean −0.02897
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

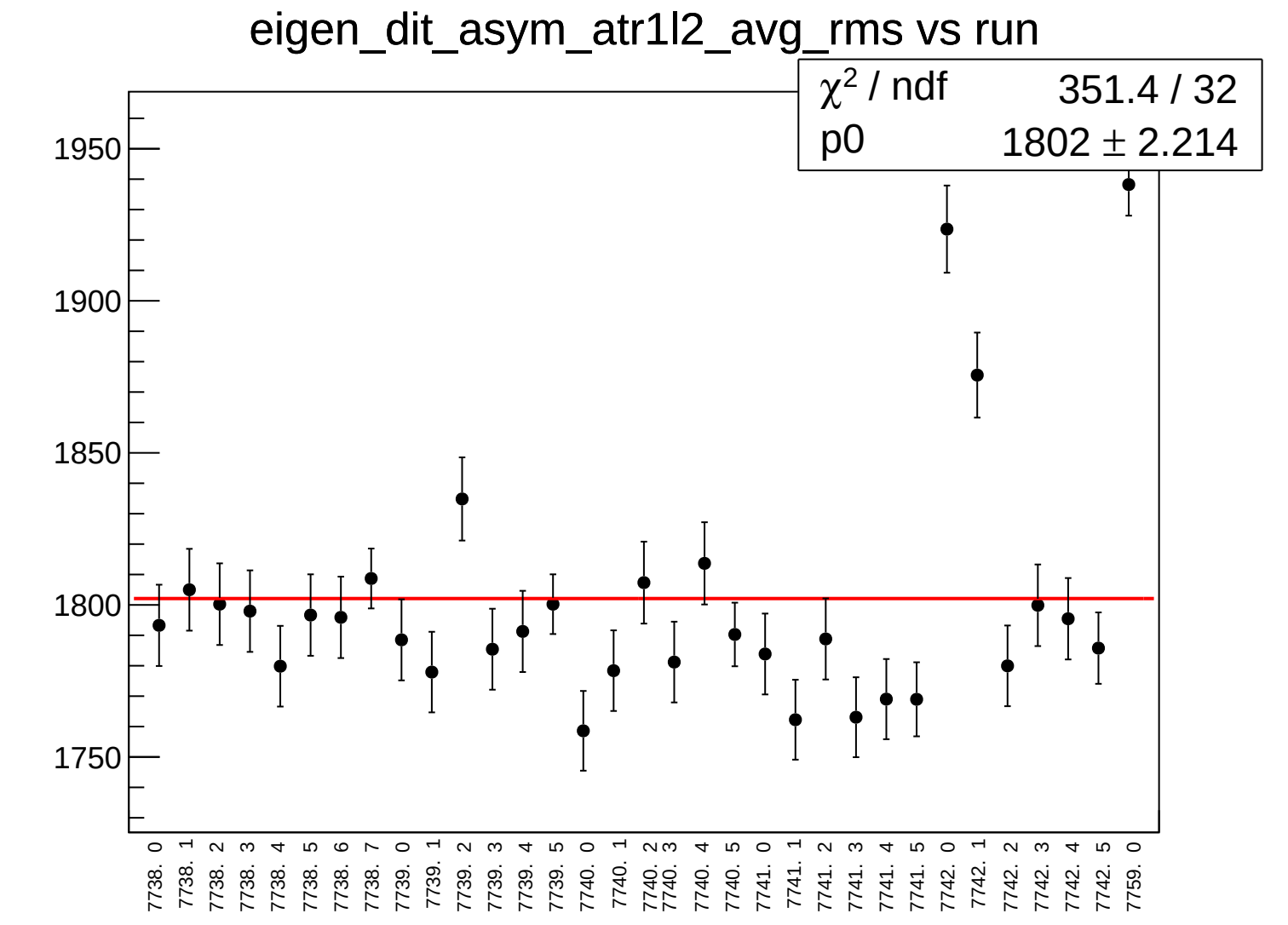

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 351.4 / 32
p0 1802 ± 2.214
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

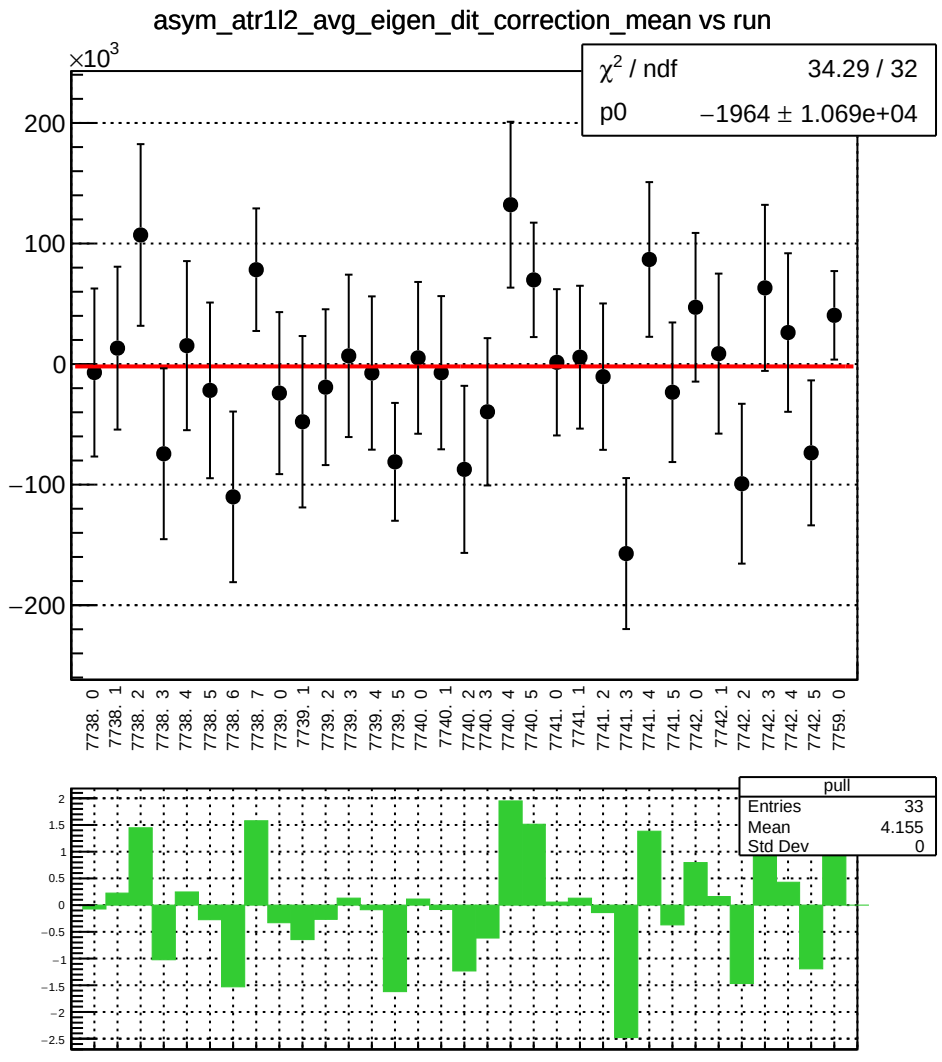

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.29 / 32
p0 −1964 ± 1.069e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.155
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

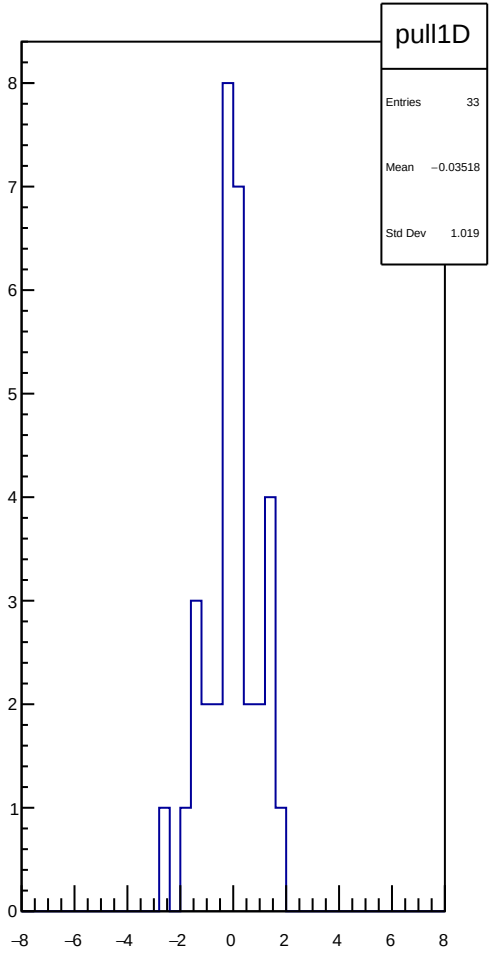

pull1D
Entries 33
Mean −0.03518
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

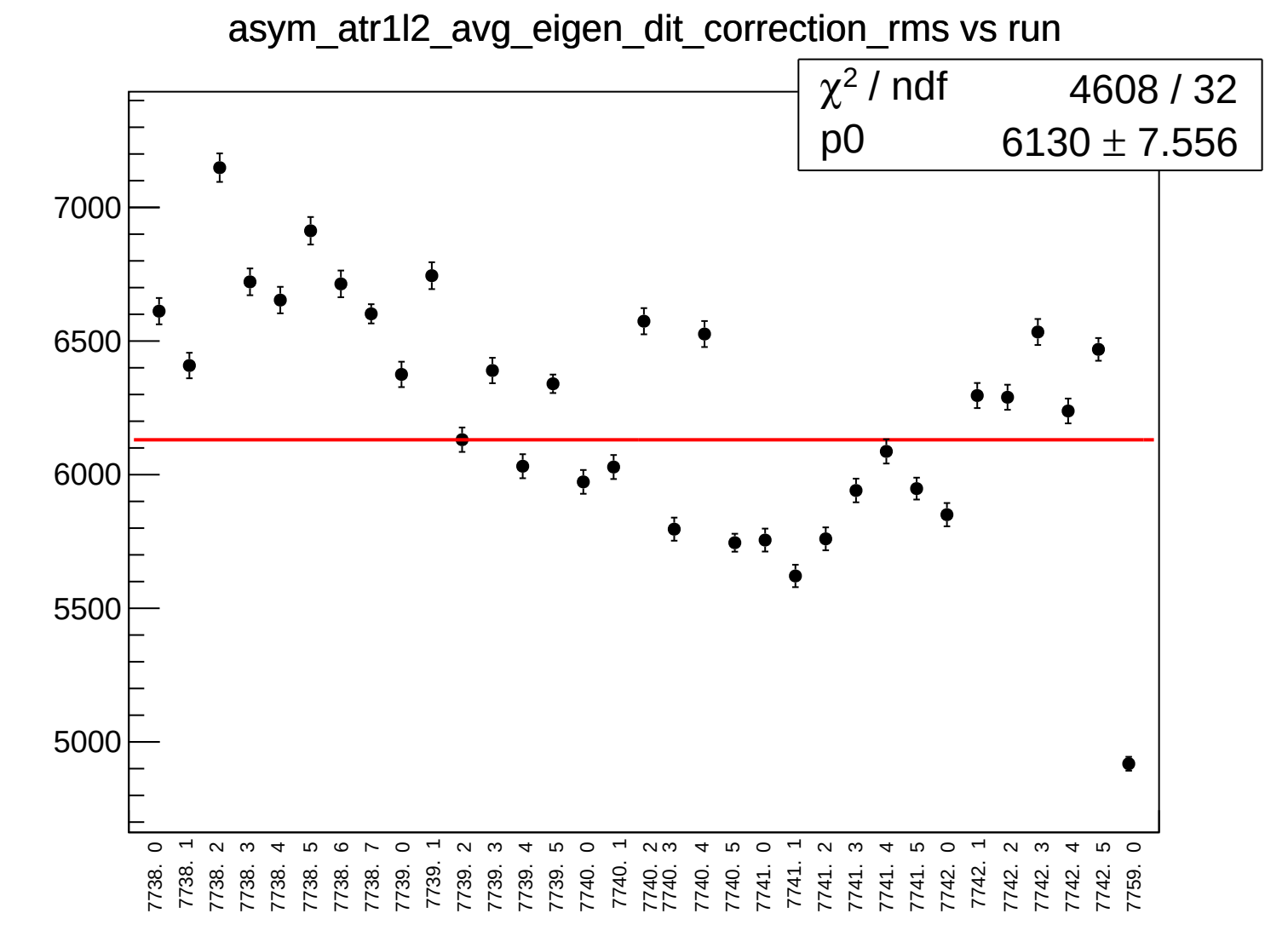

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 4608 / 32
p0 6130 ± 7.556
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

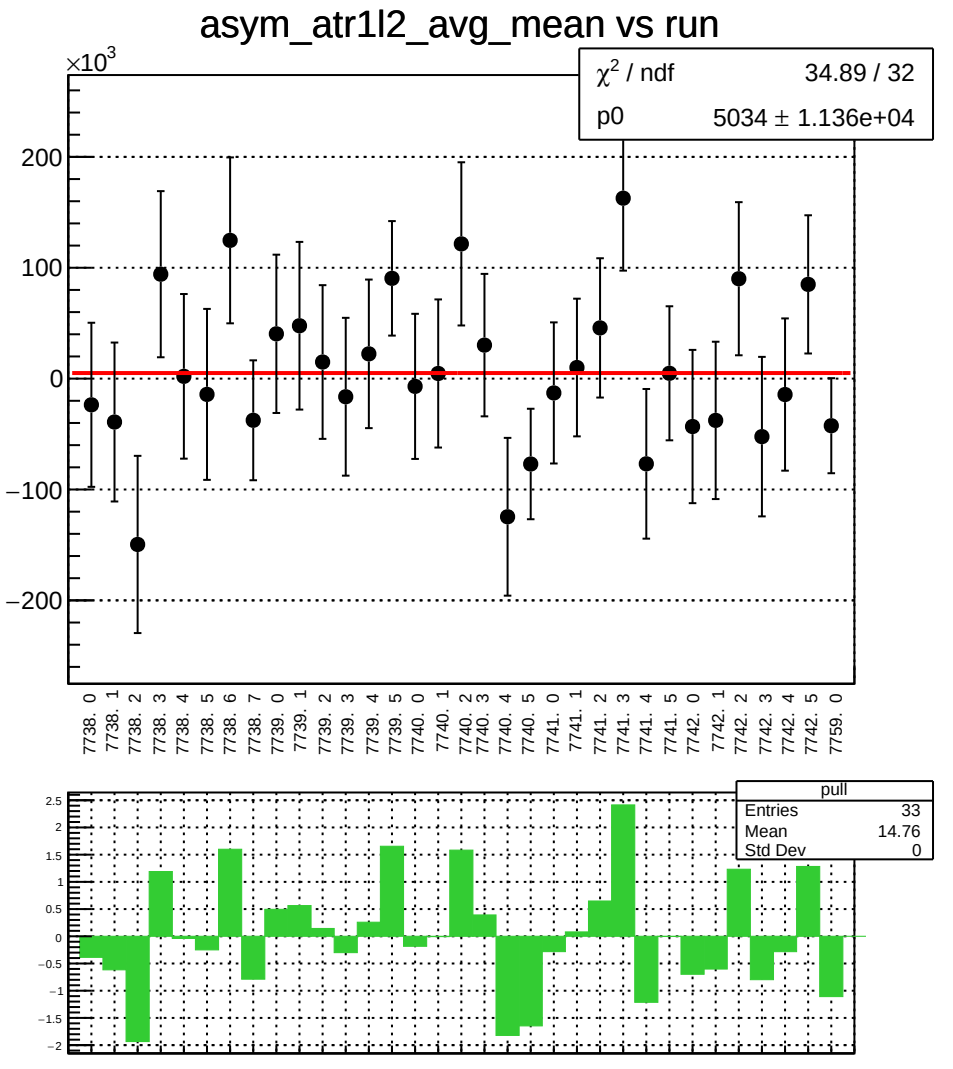

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 39.51 / 32
p0 2149 ± 3131
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.86
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02897
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

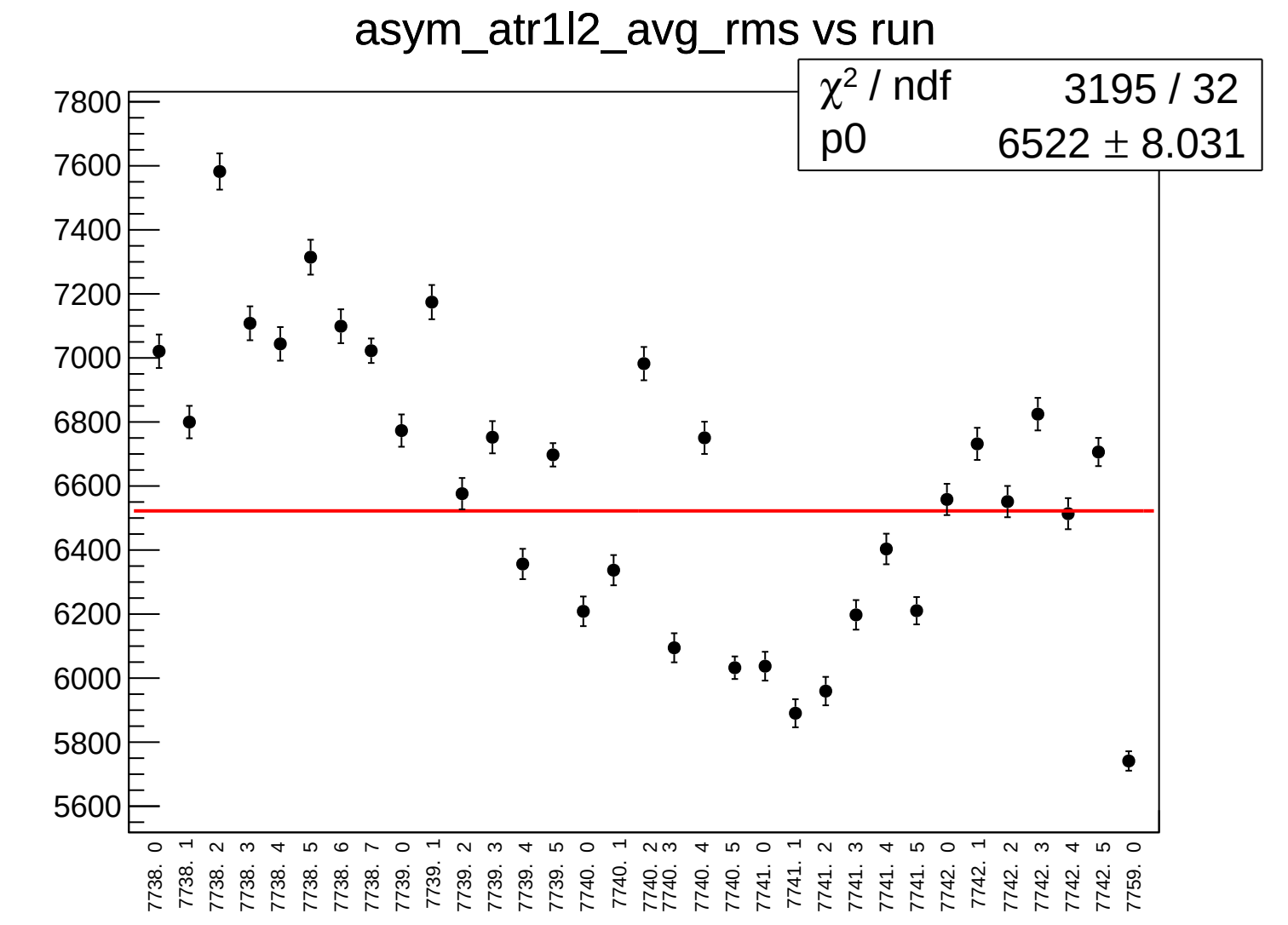

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 351.4 / 32
p0 1802 ± 2.214
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

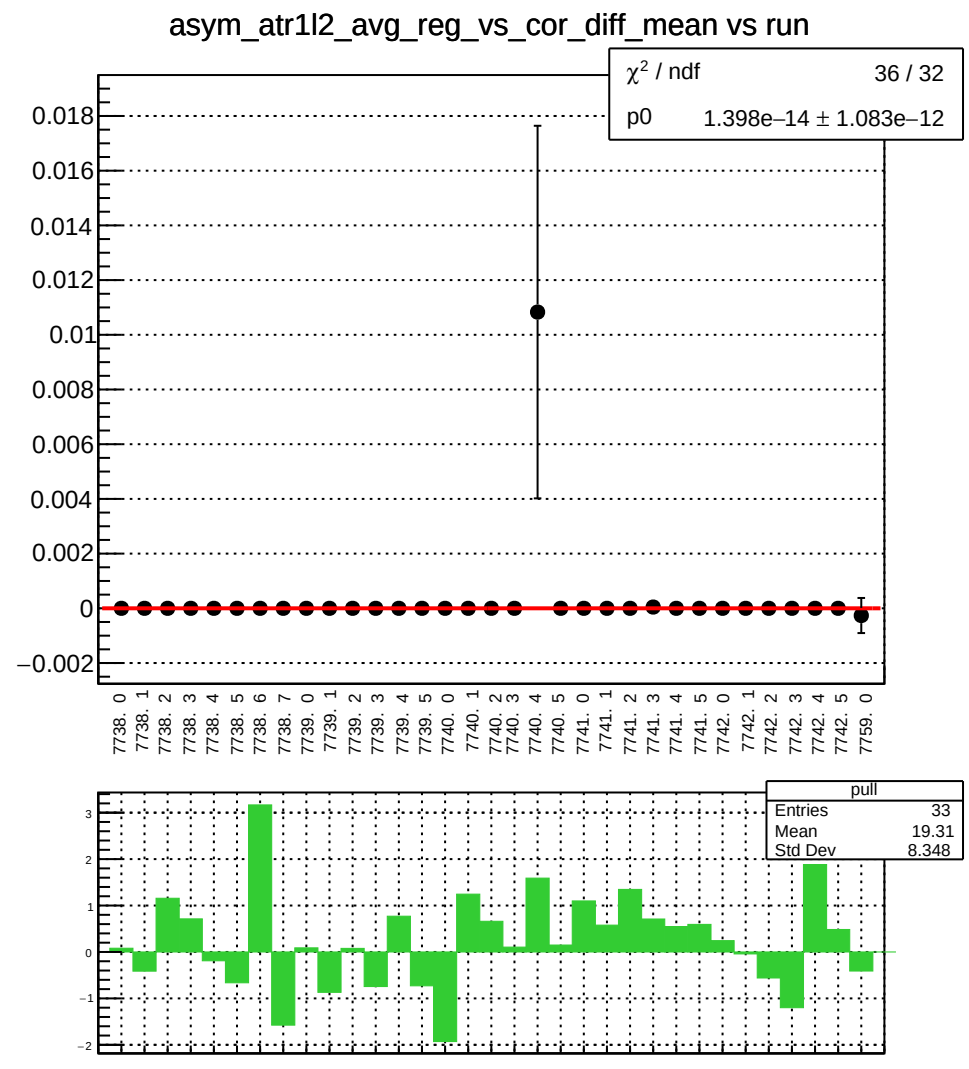

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.29 / 32
p0 −1964 ± 1.069e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.155
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

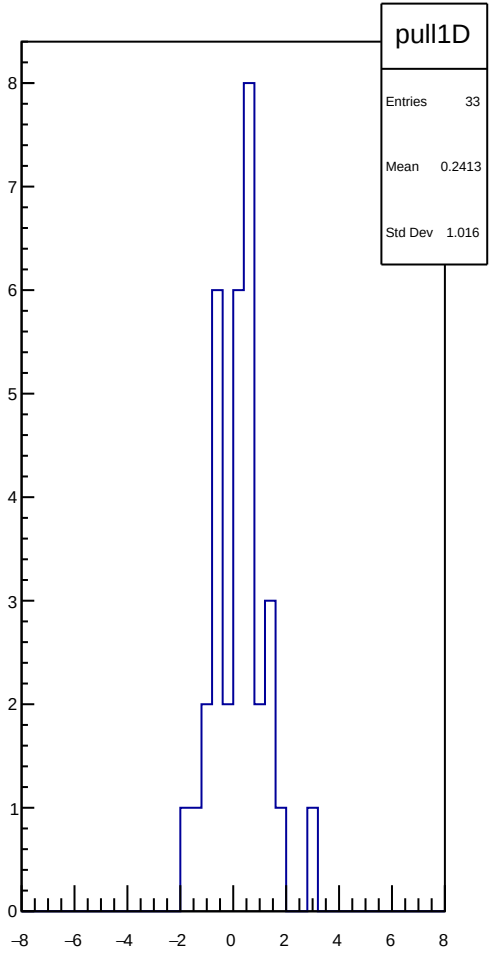

pull1D
Entries 33
Mean −0.03518
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

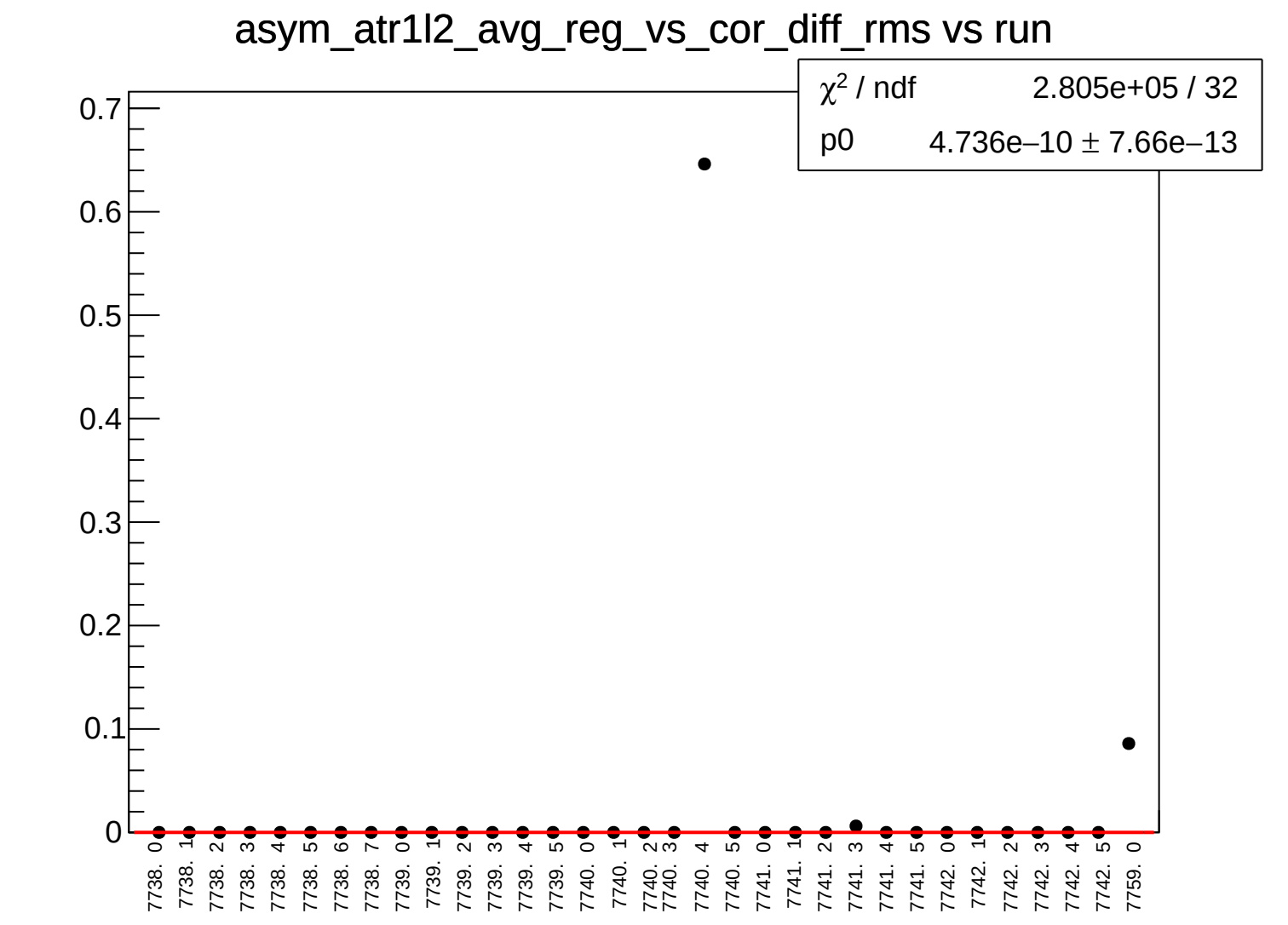

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4608 / 32
p0 6130 ± 7.556
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

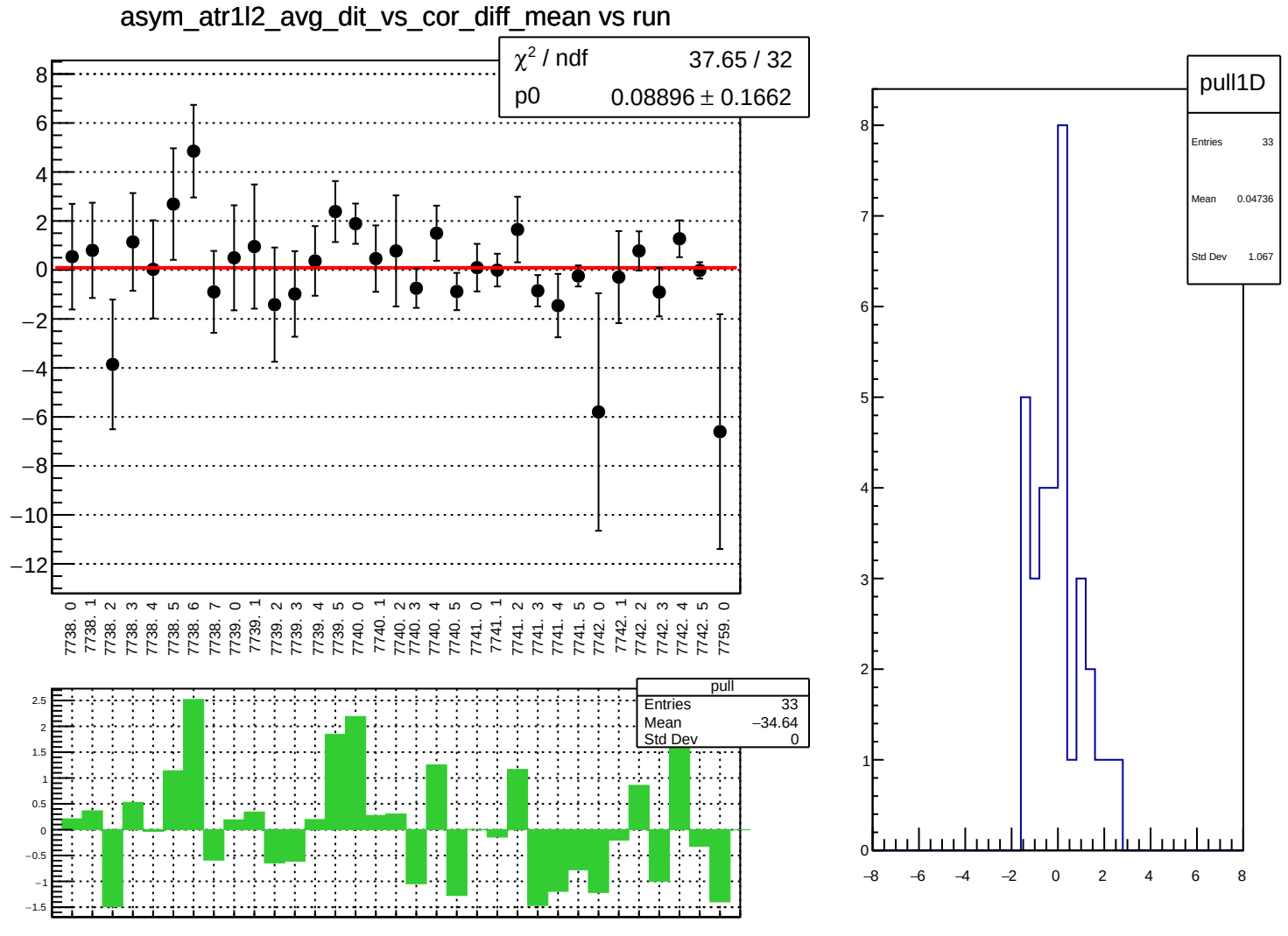

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 34.89 / 32
p0 5034 ± 1.136e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.76
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01754
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

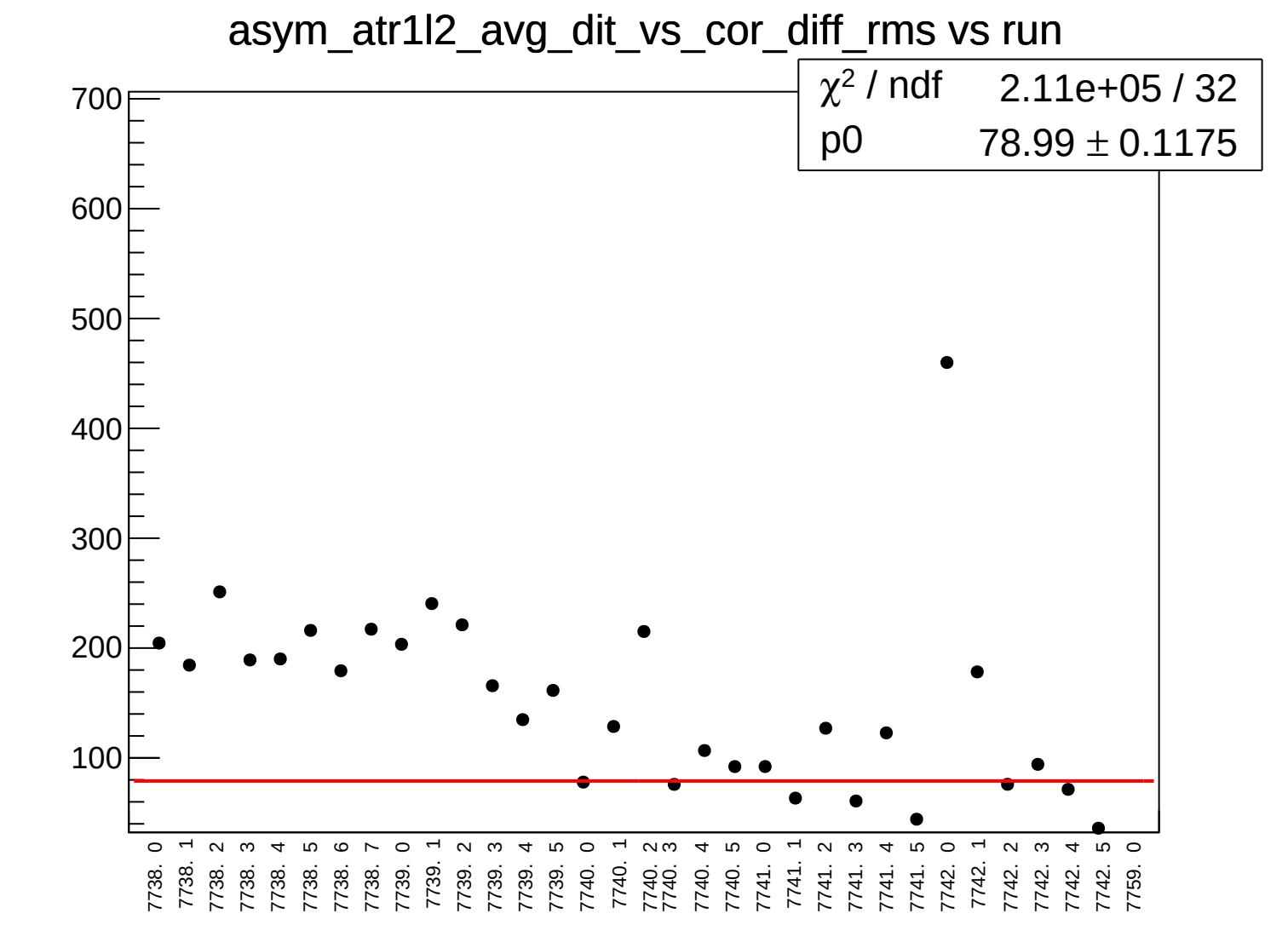

asym_atr1l2_avg_rms vs run
χ² / ndf 3195 / 32
p0 6522 ± 8.031
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36 / 32
p0 1.398e−14 ± 1.083e−12
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.31
Std Dev 8.348
3
2
1
0
−1
−2

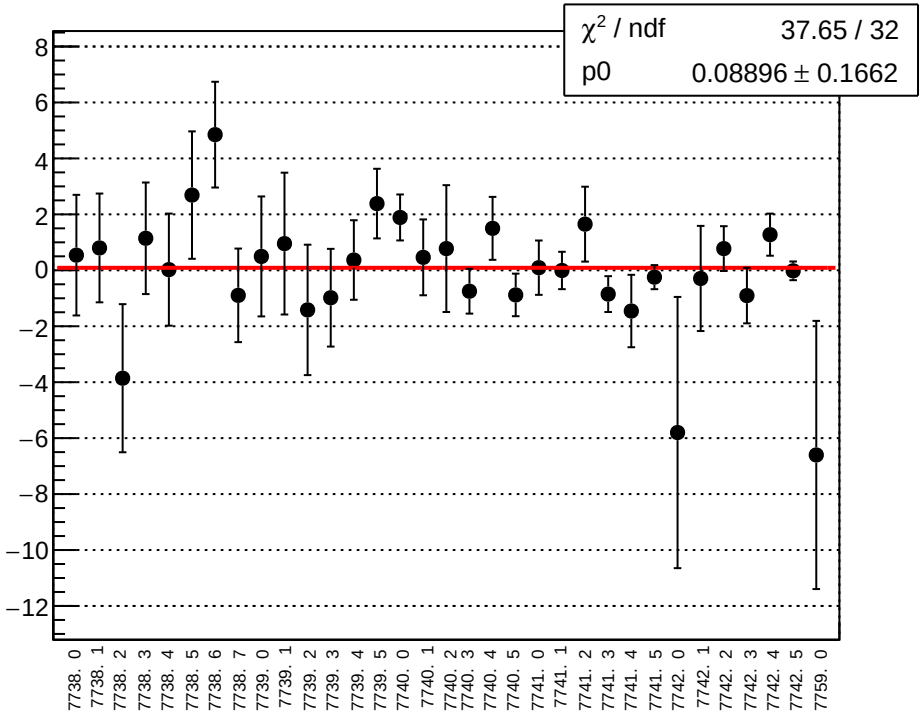

pull1D
Entries 33
Mean 0.2413
Std Dev 1.016
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

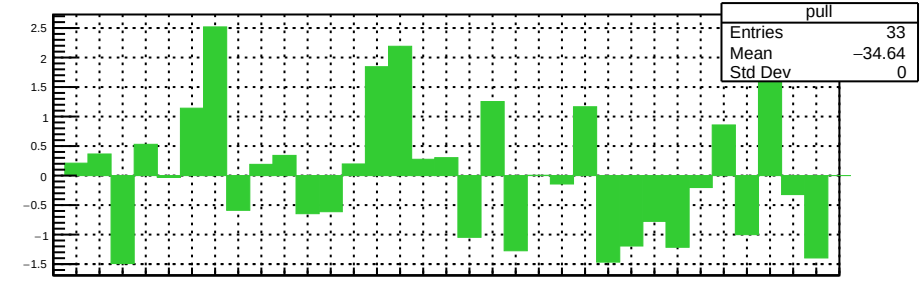

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.805e+05 / 32
p0 4.736e−10 ± 7.66e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

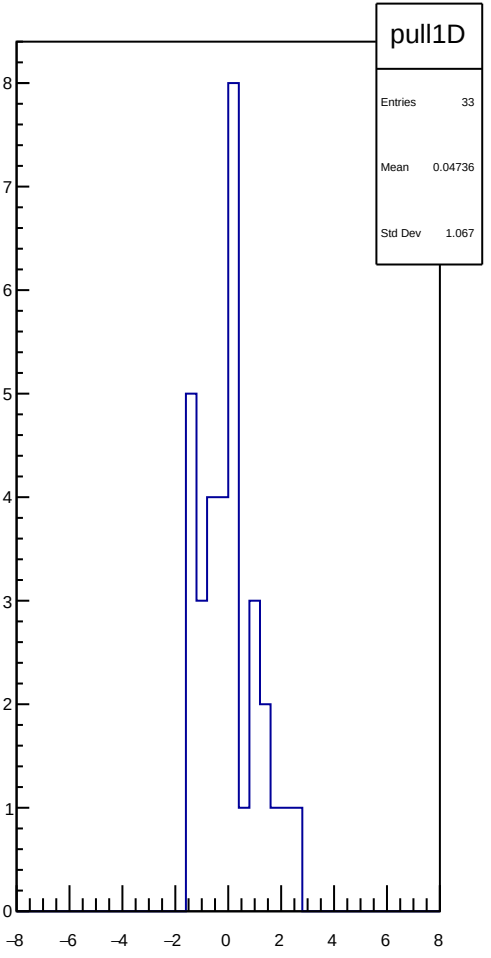

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.65 / 32
p0 0.08896 ± 0.1662
pull
Entries 33
Mean −34.64
Std Dev 0
pull1D
Entries 33
Mean 0.04736
Std Dev 1.067

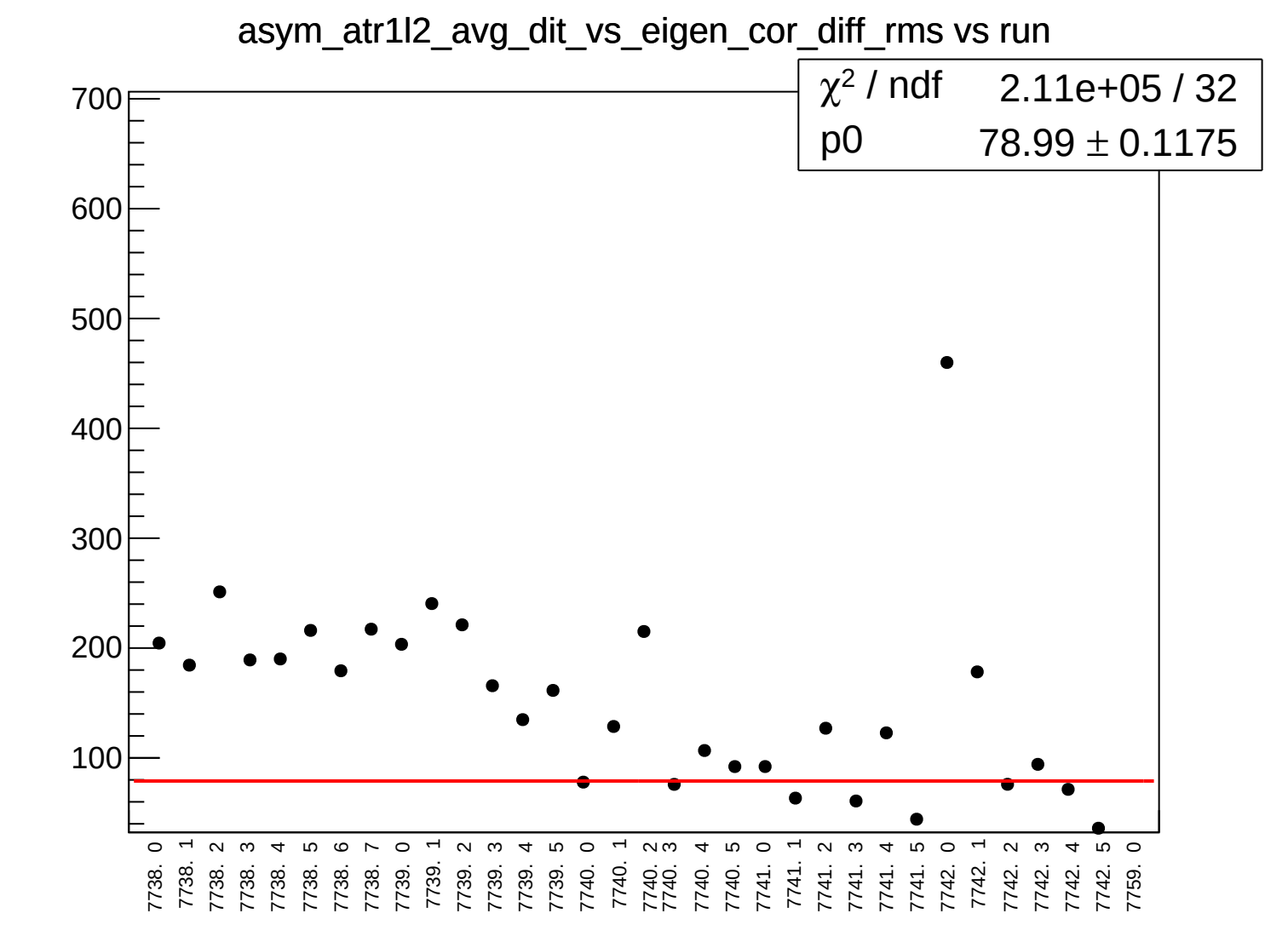

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.11e+05 / 32
p0 78.99 ± 0.1175
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

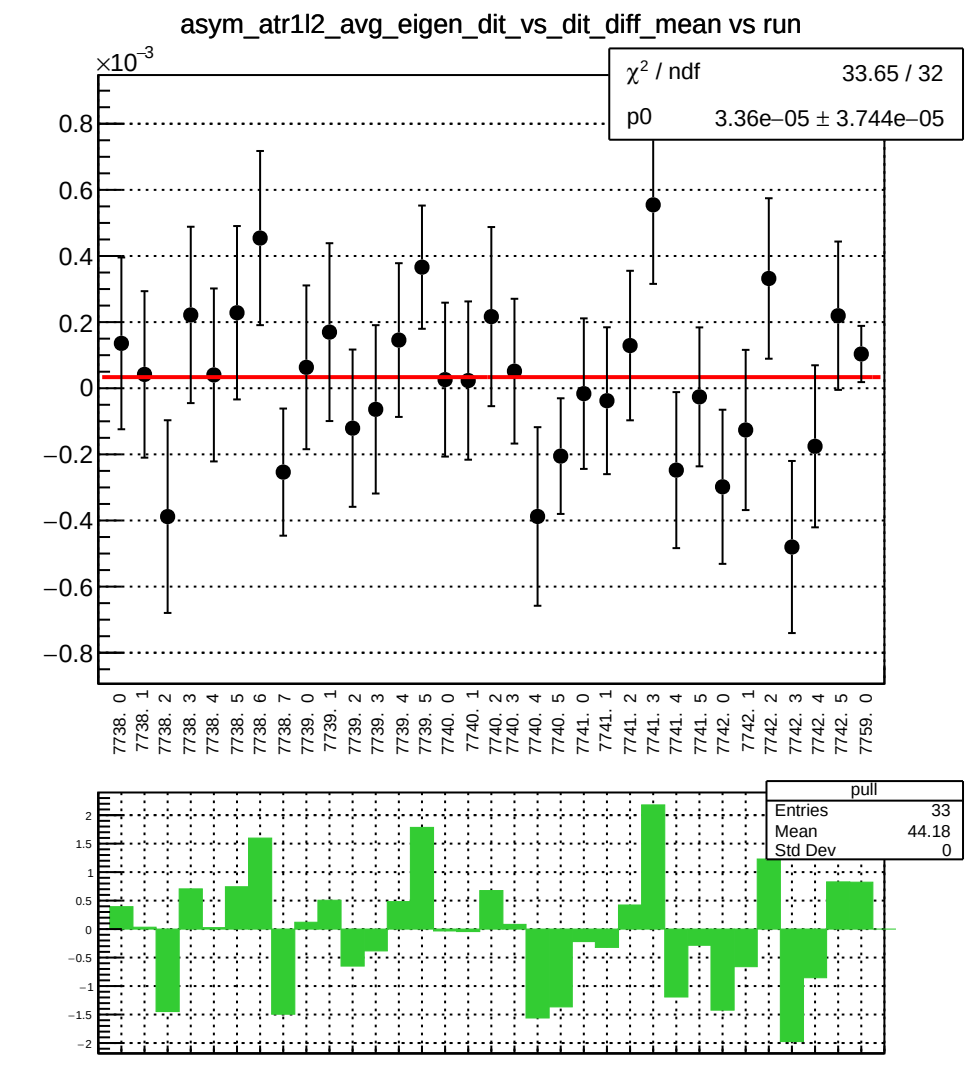
asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run

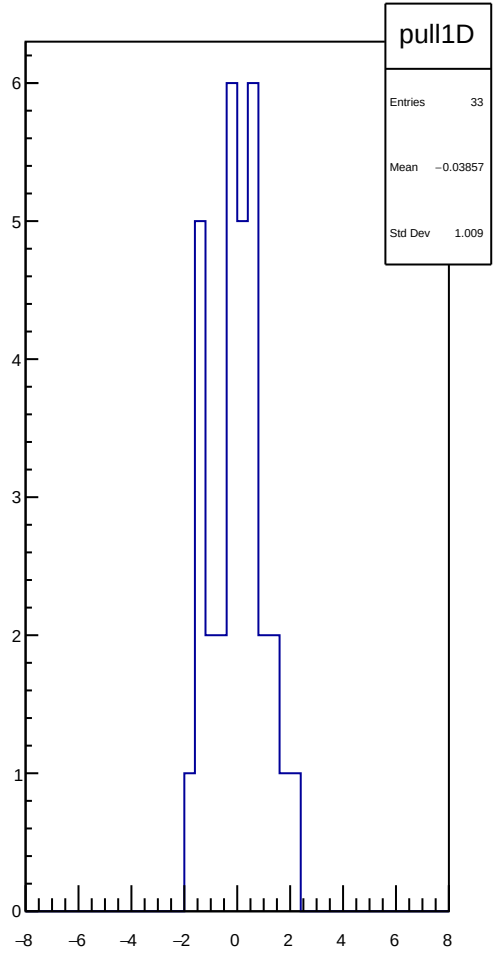


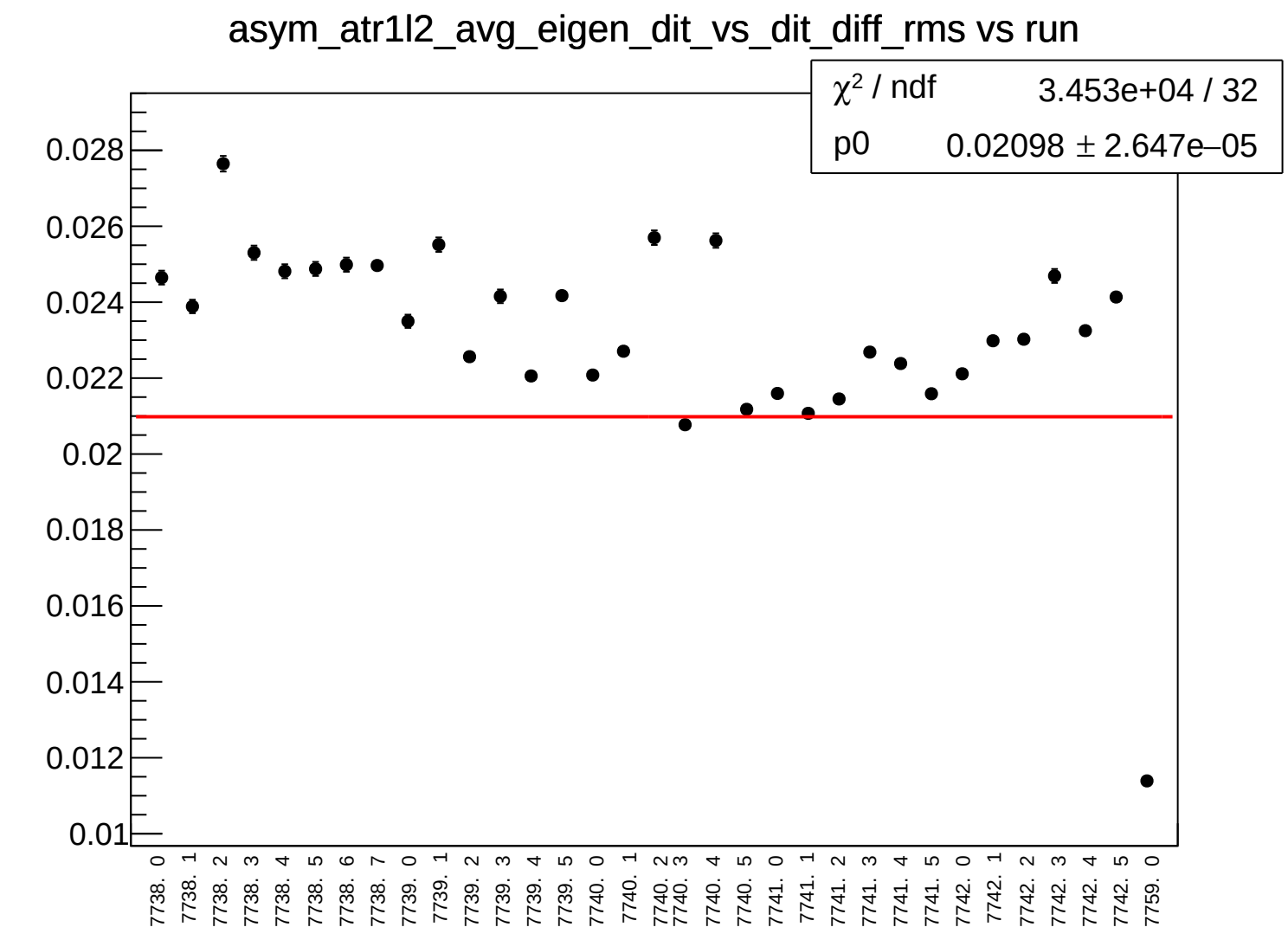




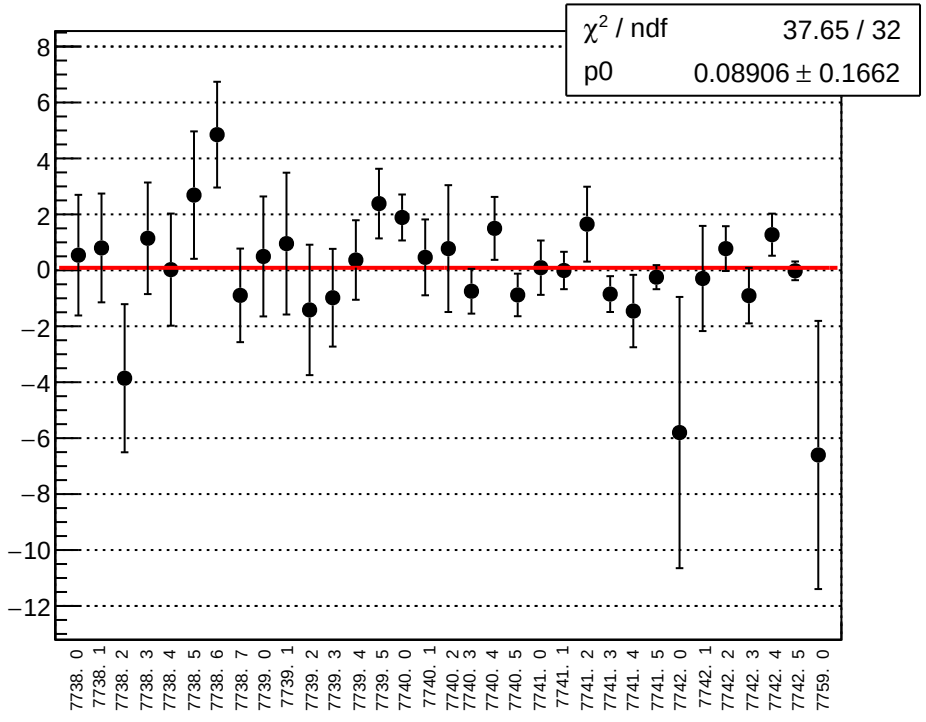

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.11e+05 / 32
p0 78.99 ± 0.1175
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

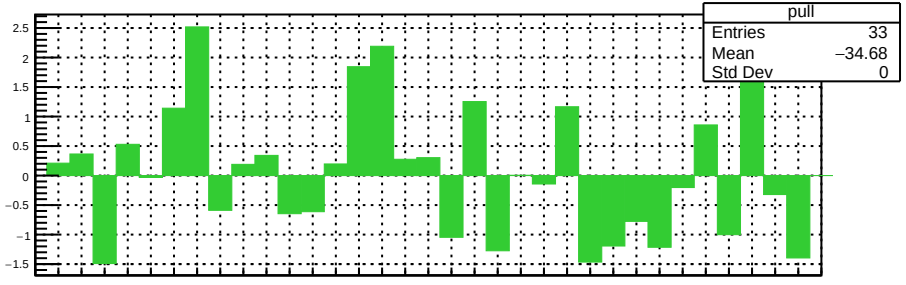

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.65 / 32
p0 3.36e−05 ± 3.744e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 44.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

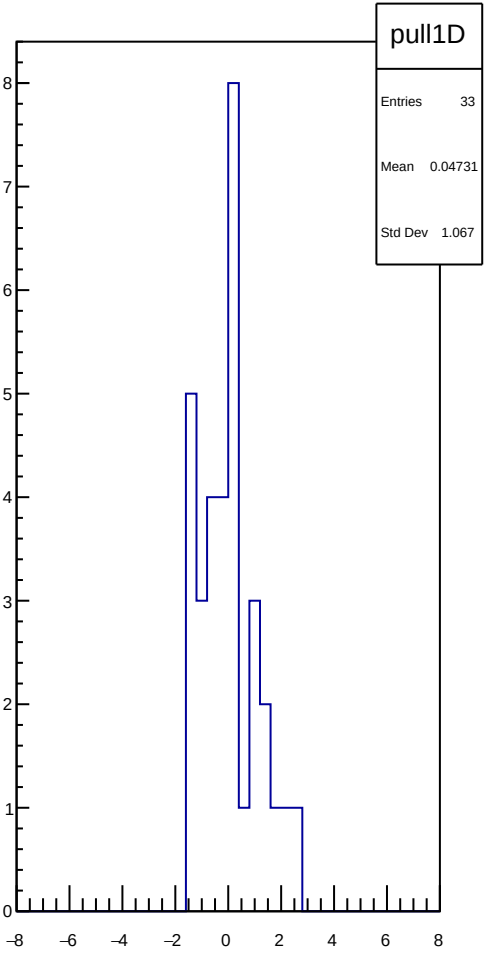

pull1D
Entries 33
Mean −0.03857
Std Dev 1.009
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

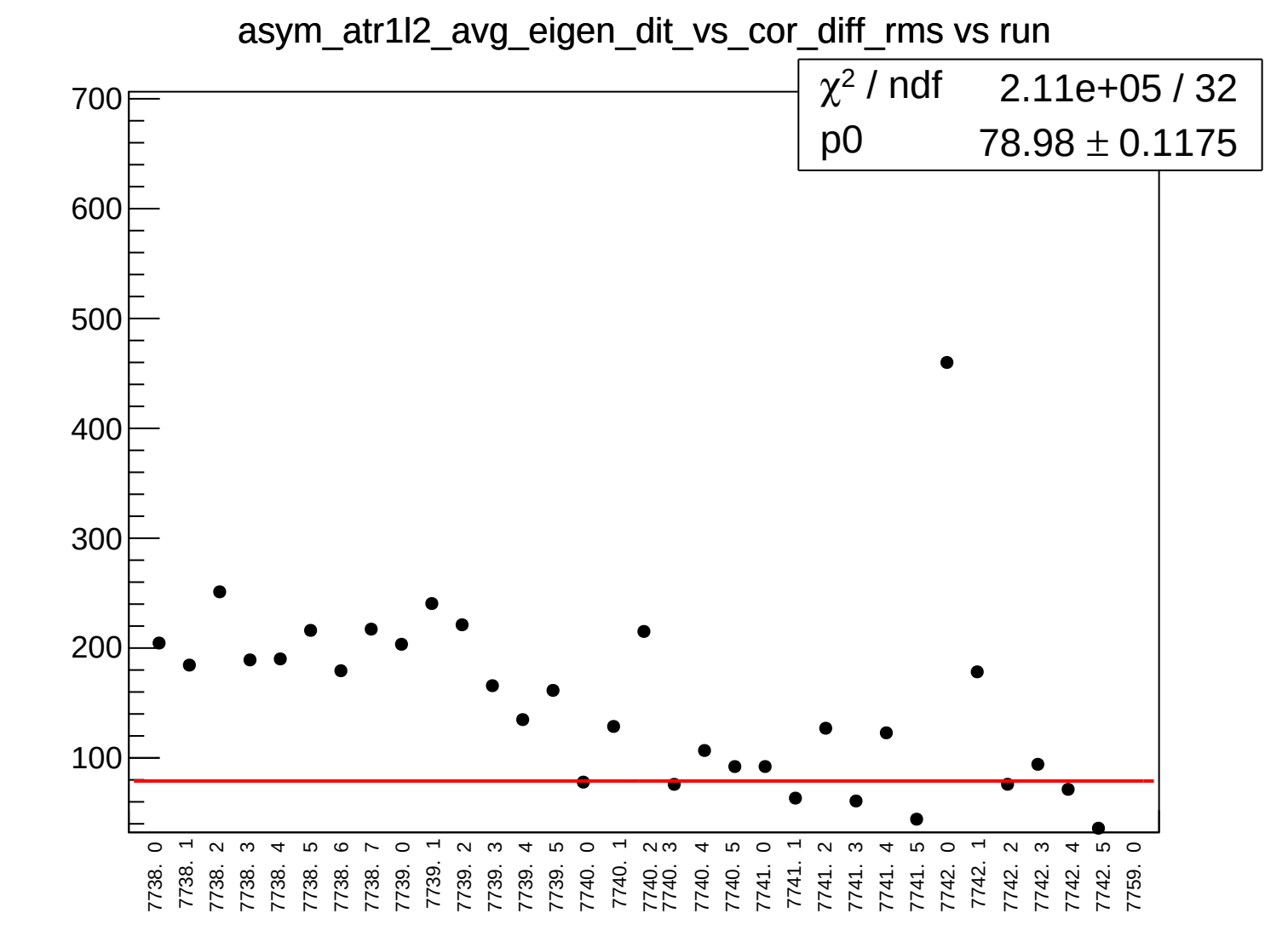

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.453e+04 / 32
p0 0.02098 ± 2.647e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

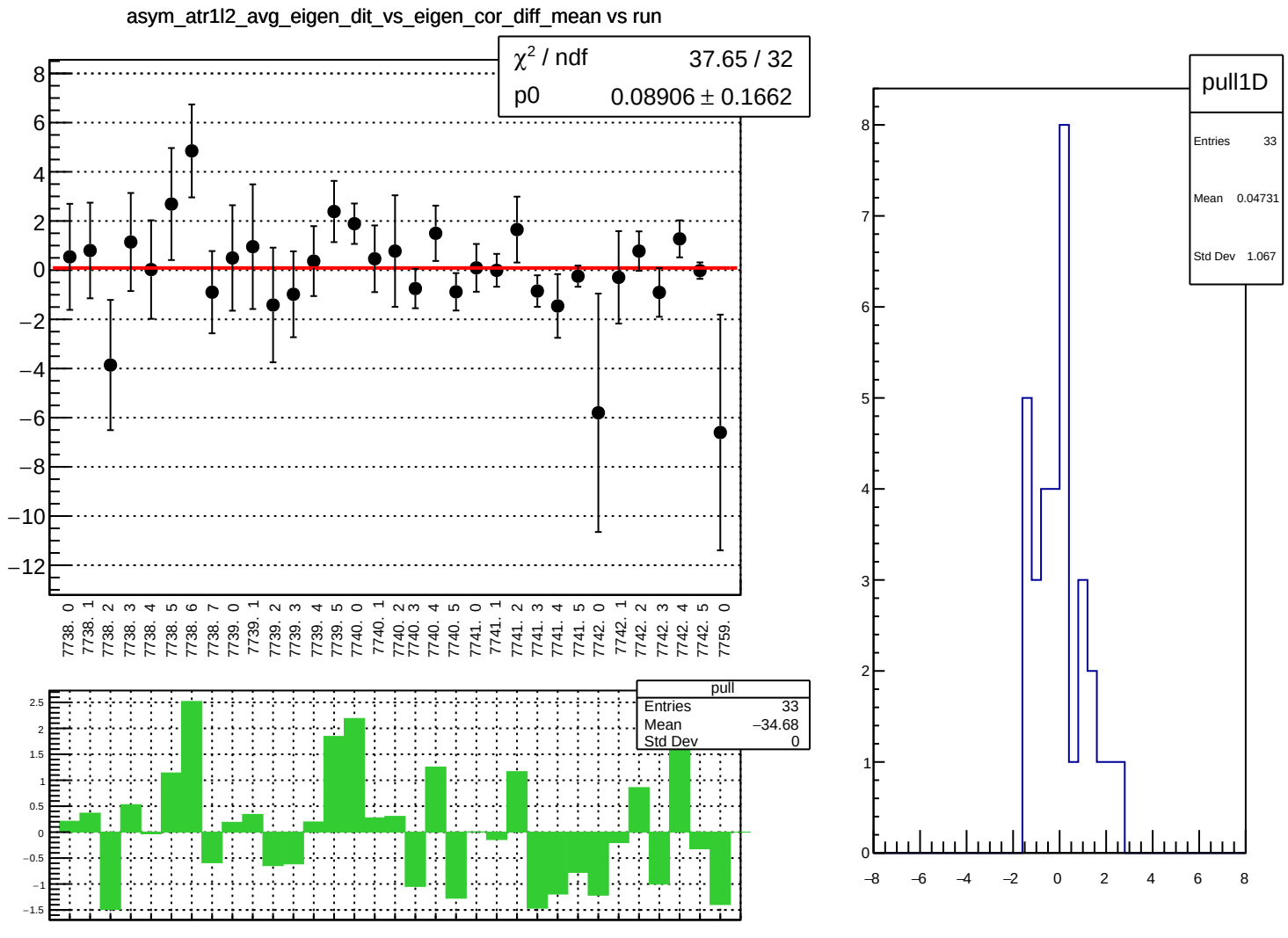
asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run

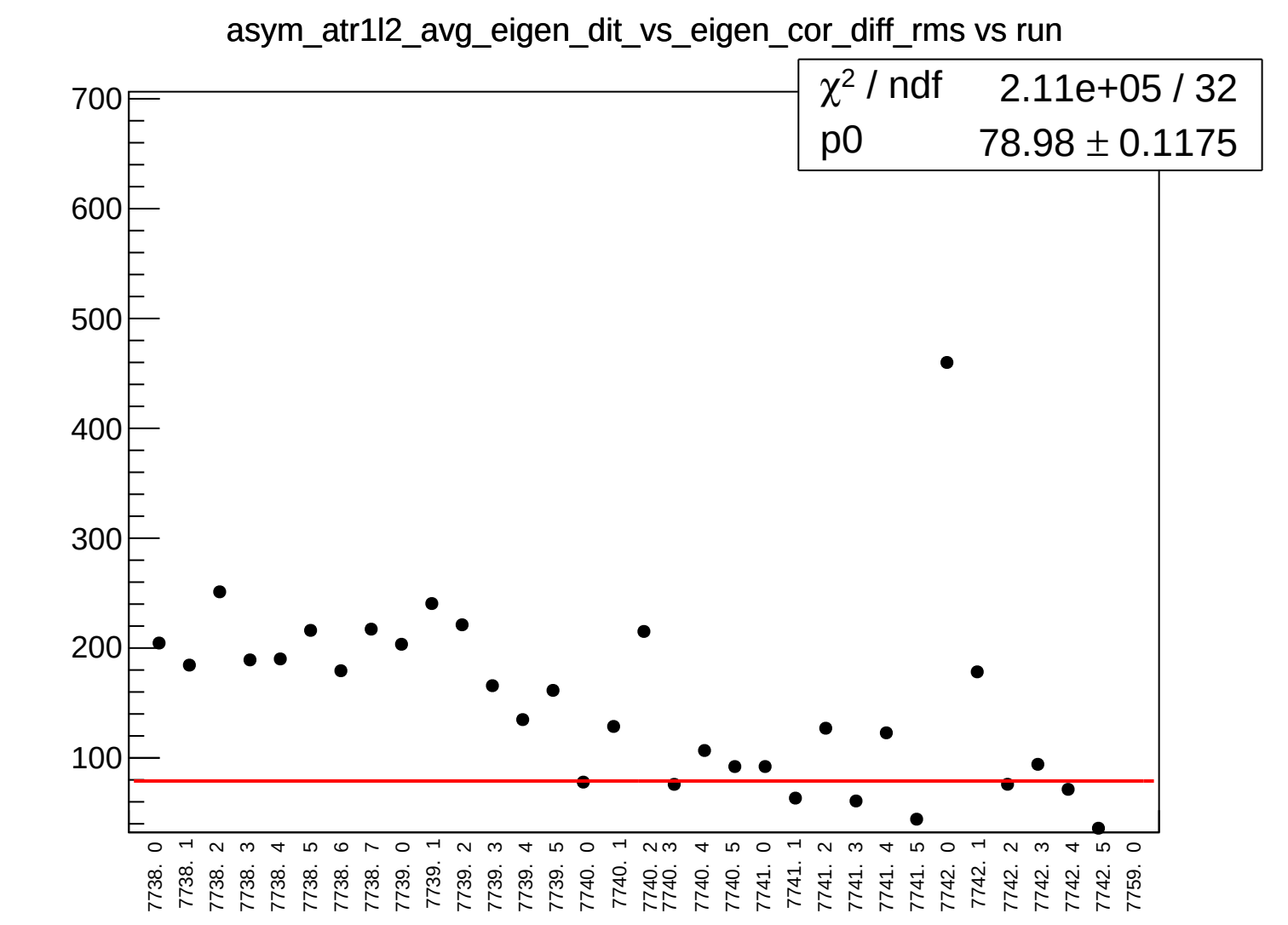


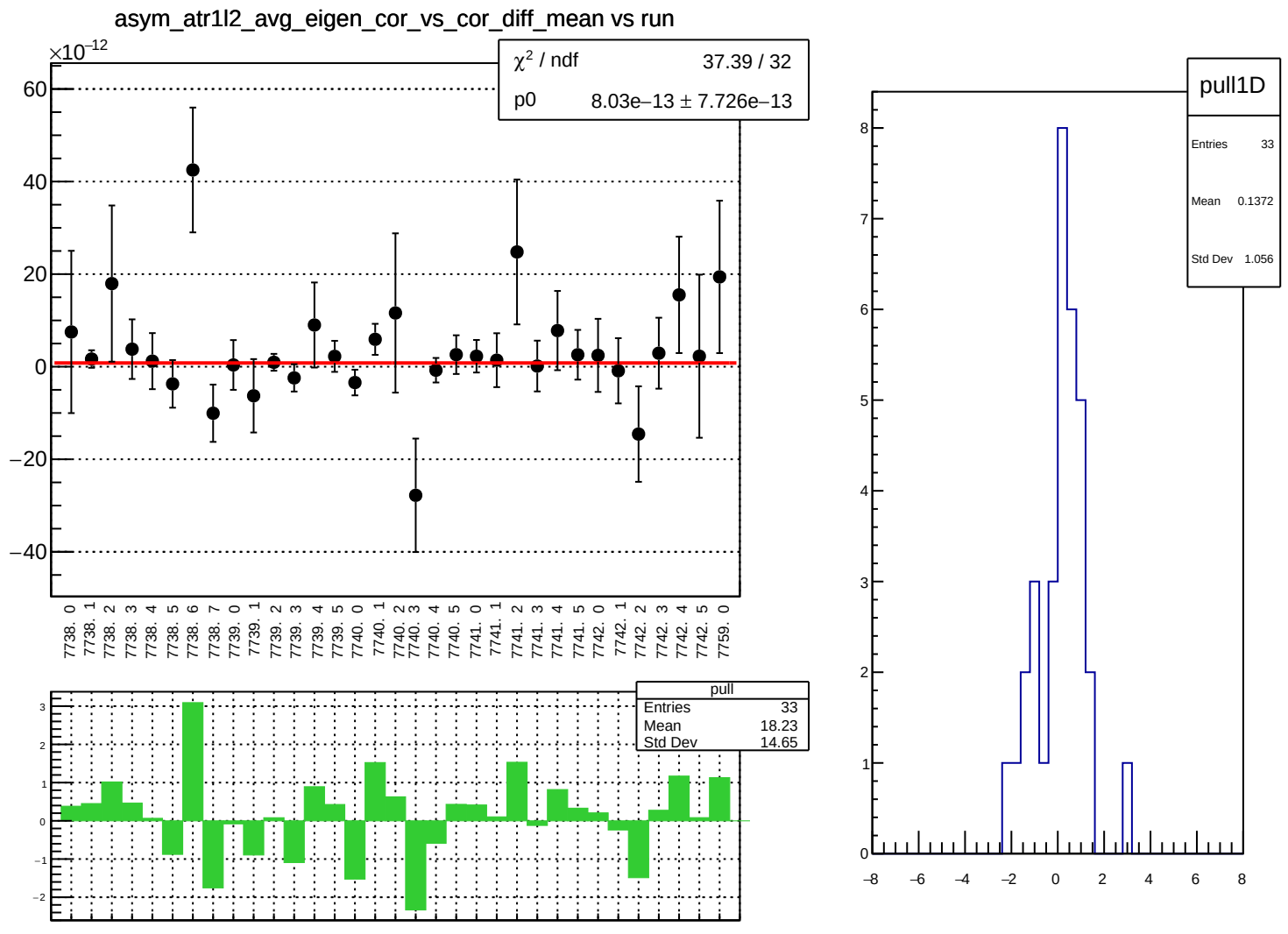


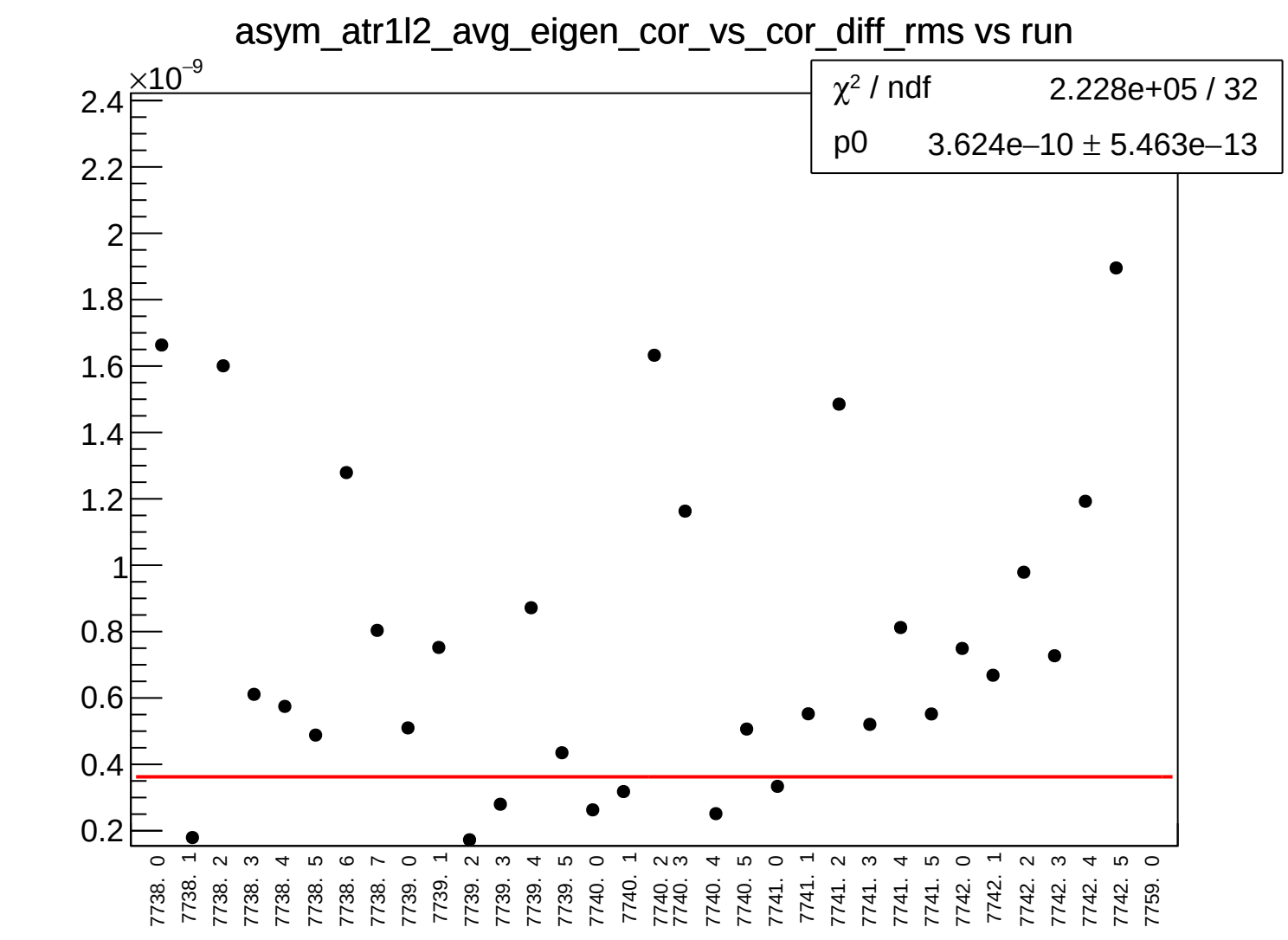


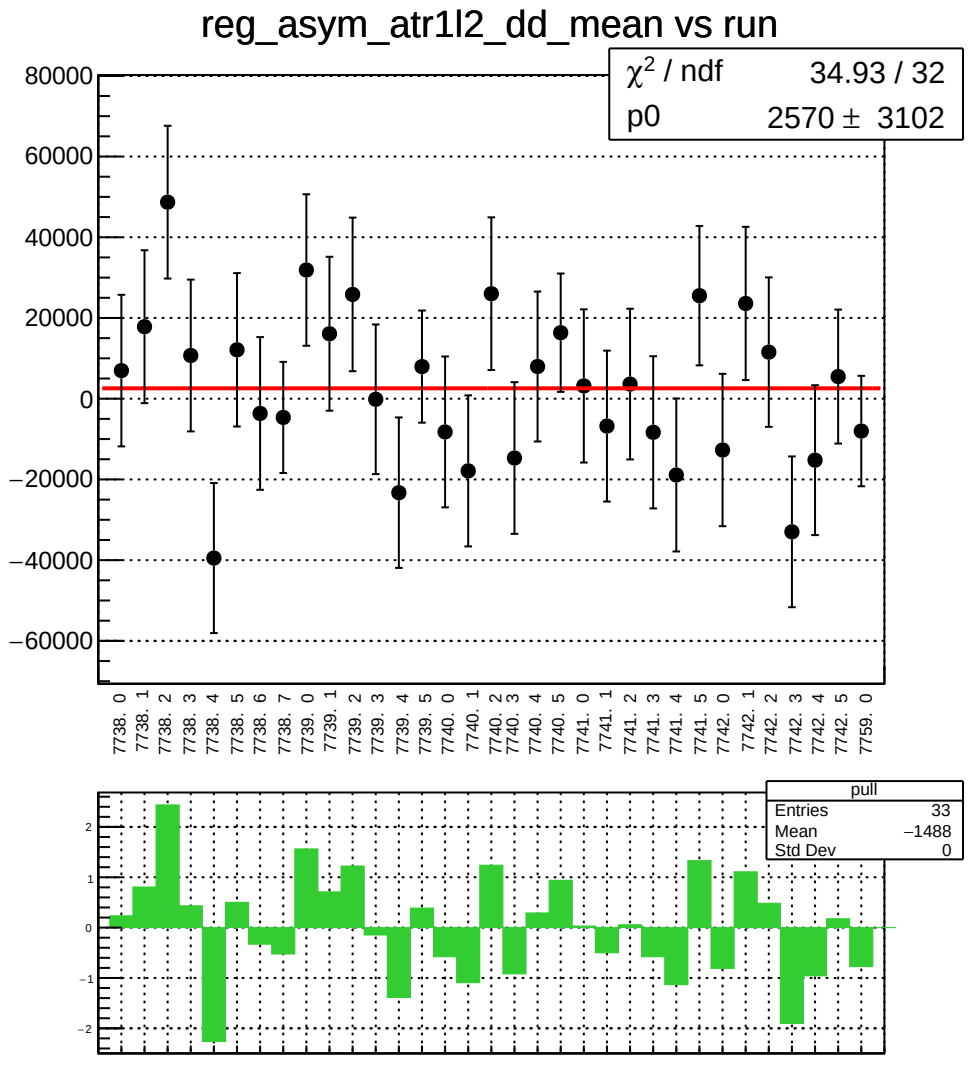

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.11e+05 / 32
p0 78.98 ± 0.1175
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

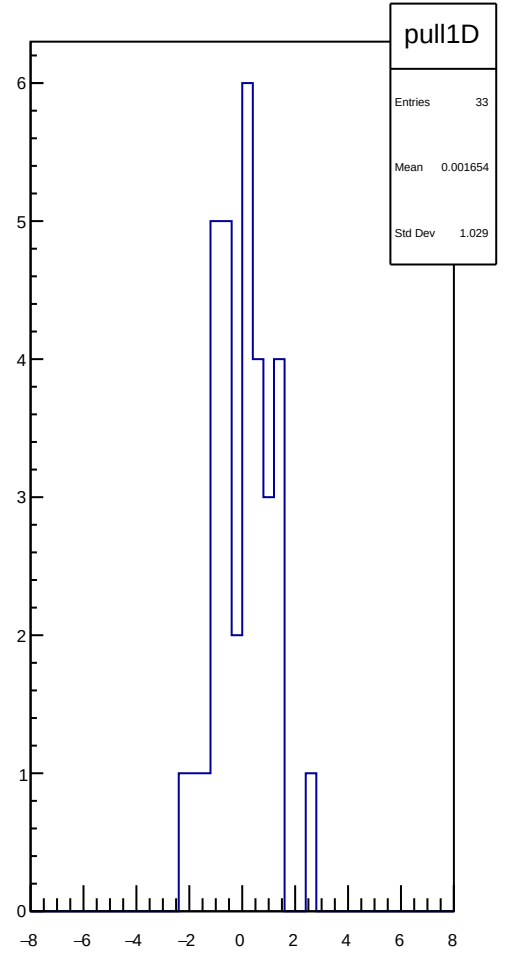

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.65 / 32
p0 0.08906 ± 0.1662
pull
Entries 33
Mean −34.68
Std Dev 0
pull1D
Entries 33
Mean 0.04731
Std Dev 1.067

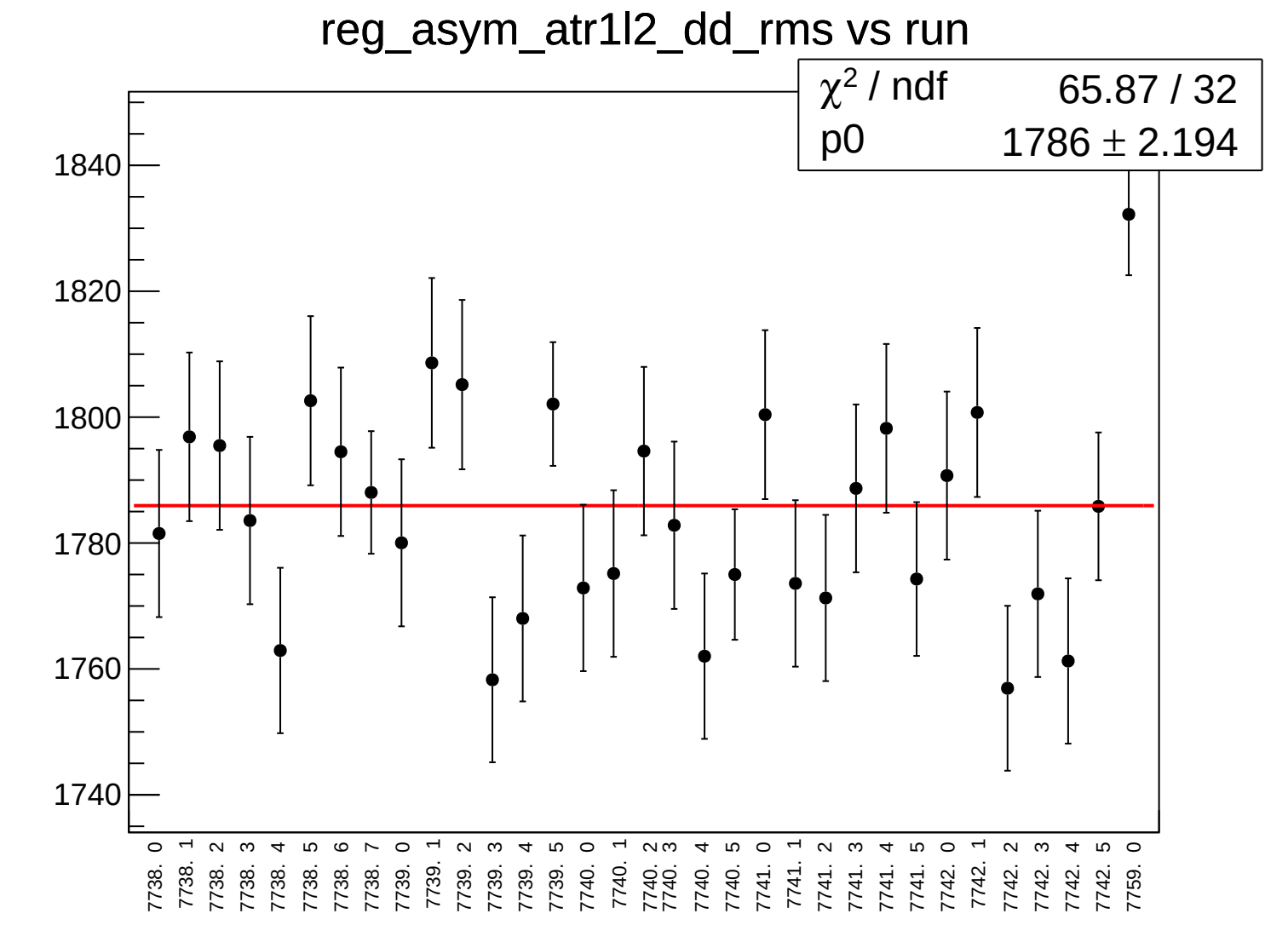

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.11e+05 / 32
p0 78.98 ± 0.1175
700
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

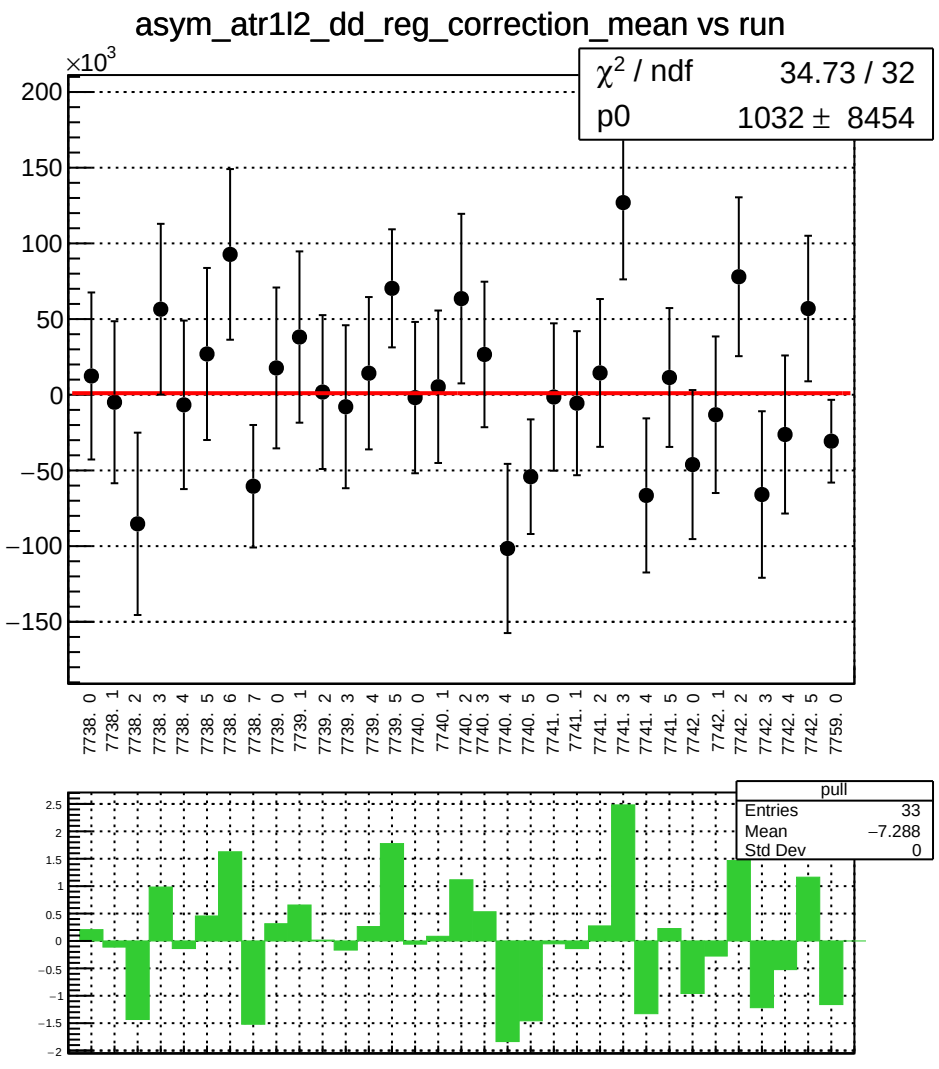

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.39 / 32
p0 8.03e−13 ± 7.726e−13
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.23
Std Dev 14.65
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.1372
Std Dev 1.056
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

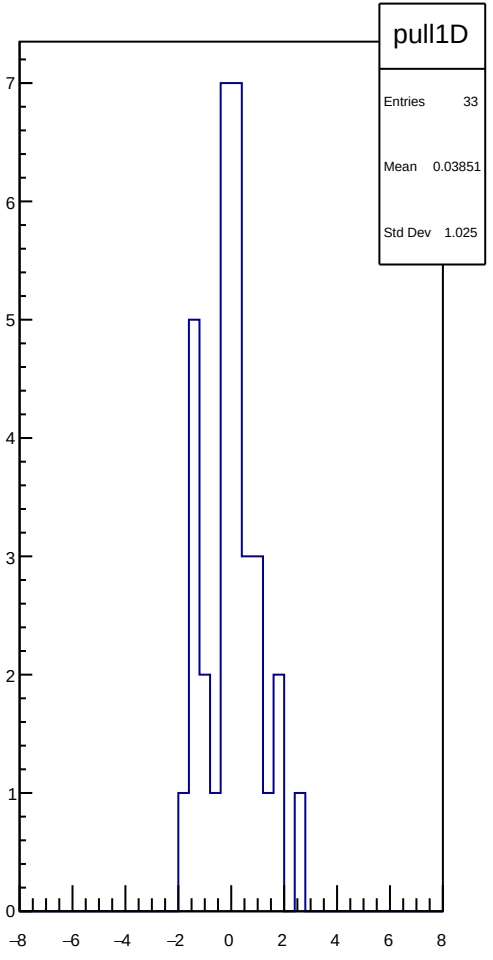

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.228e+05 / 32
p0 3.624e−10 ± 5.463e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

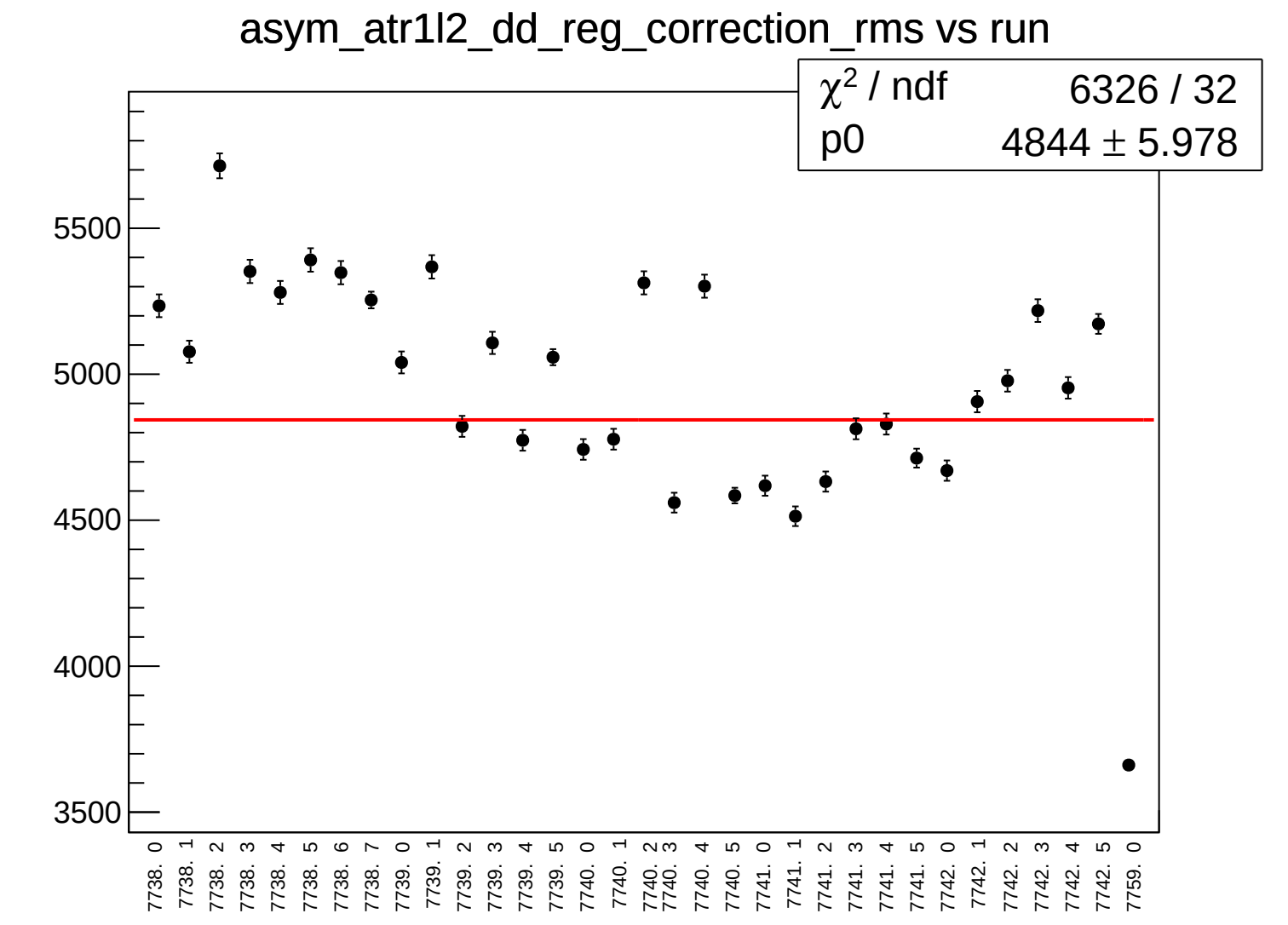

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 34.93 / 32
p0 2570 ± 3102
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1488
Std Dev 0
2
1
0
−1
−2

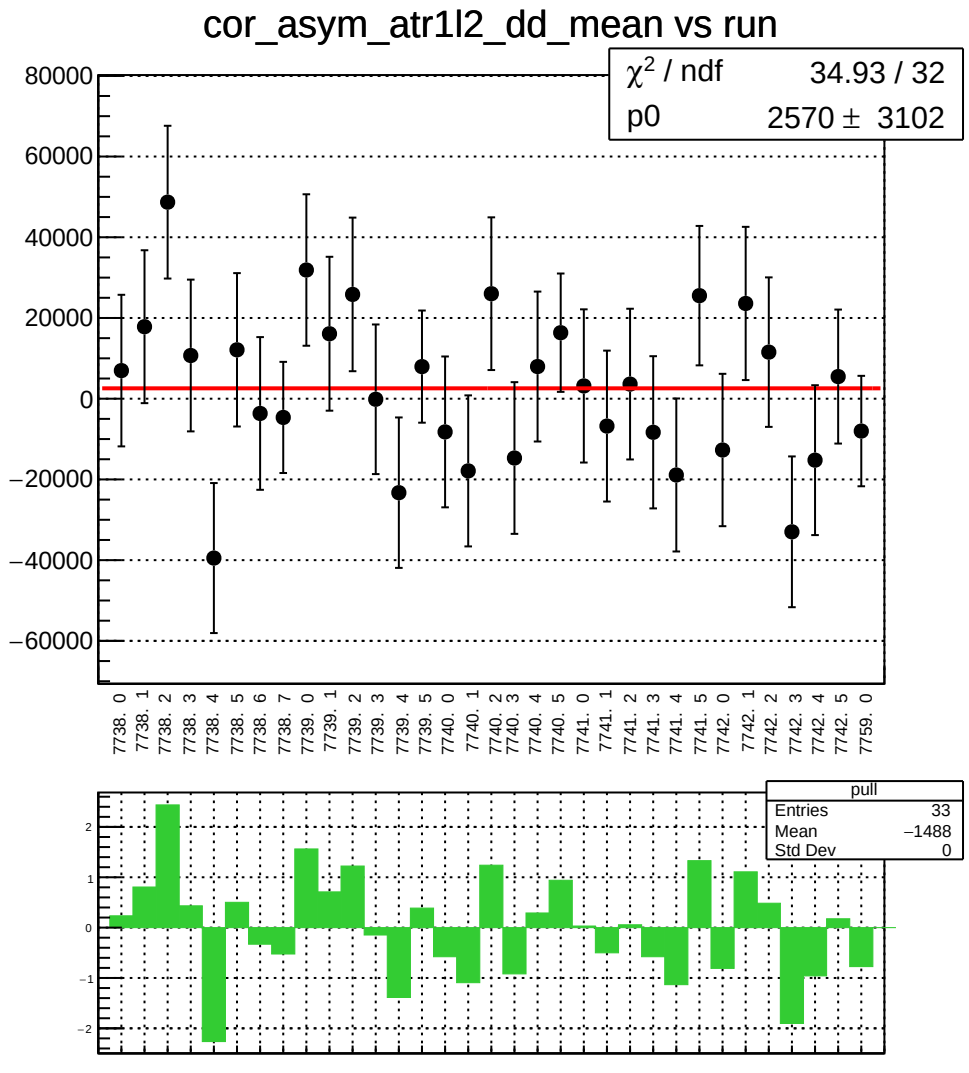

pull1D
Entries 33
Mean 0.001654
Std Dev 1.029
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

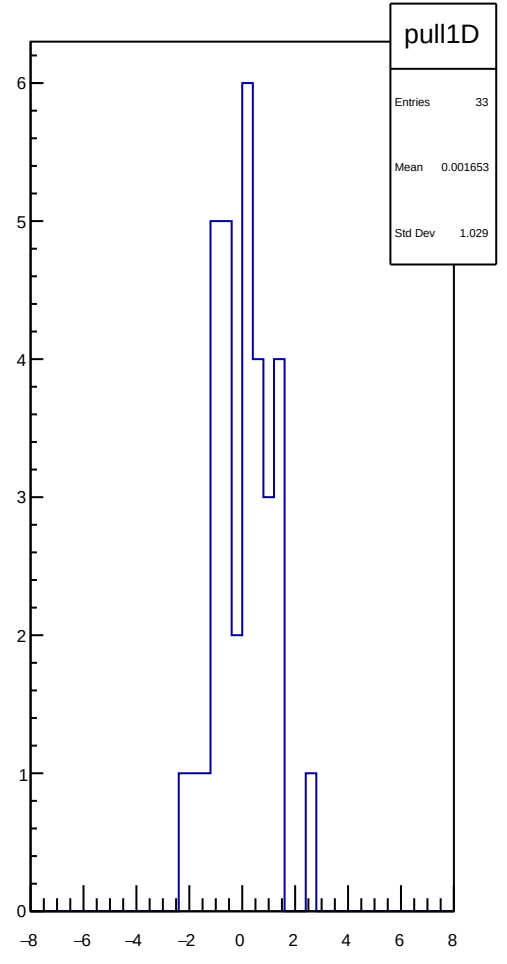

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 65.87 / 32
p0 1786 ± 2.194
1840
1820
1800
1780
1760
1740
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

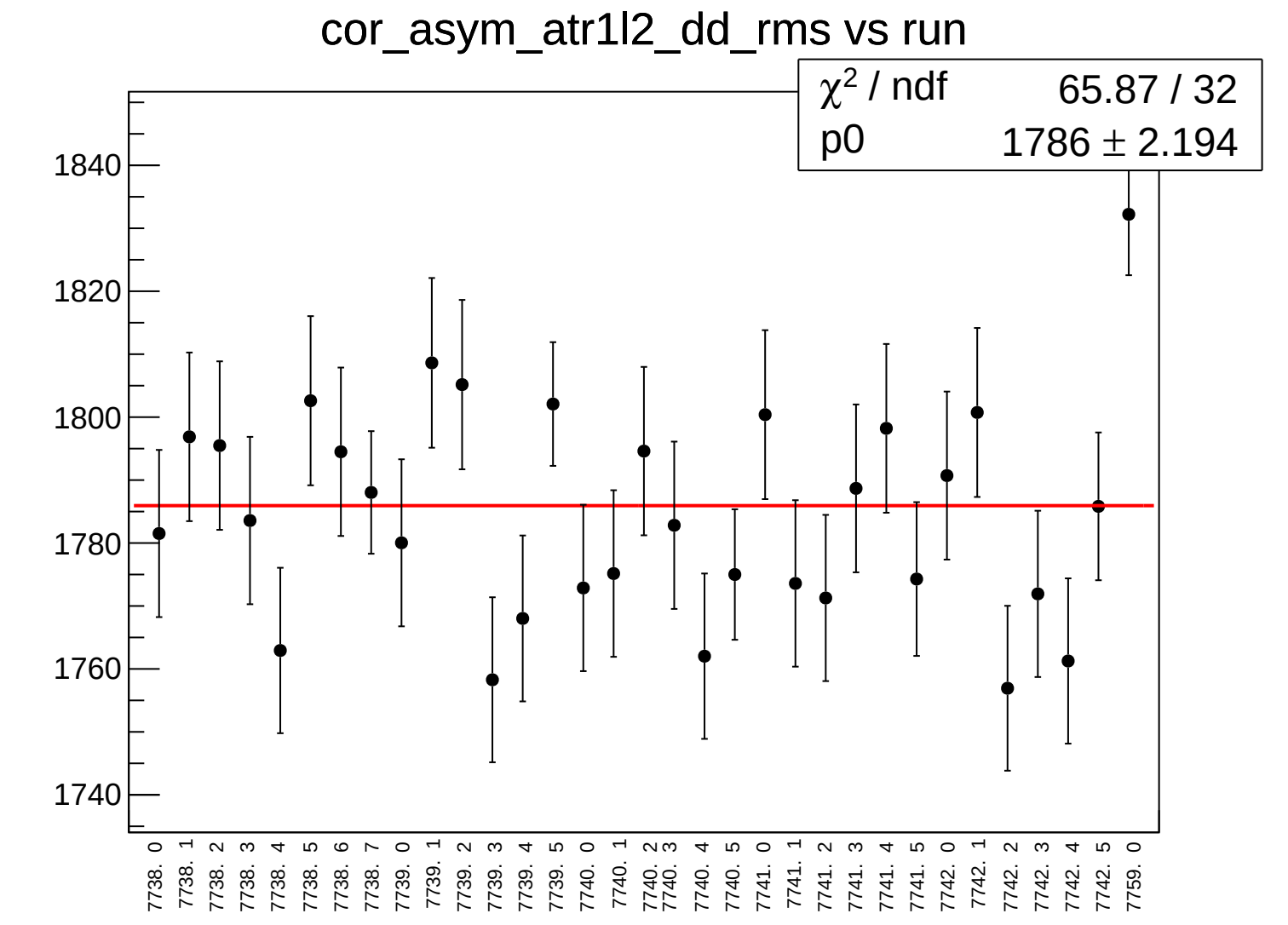

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 34.73 / 32
p0 1032 ± 8454
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.288
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

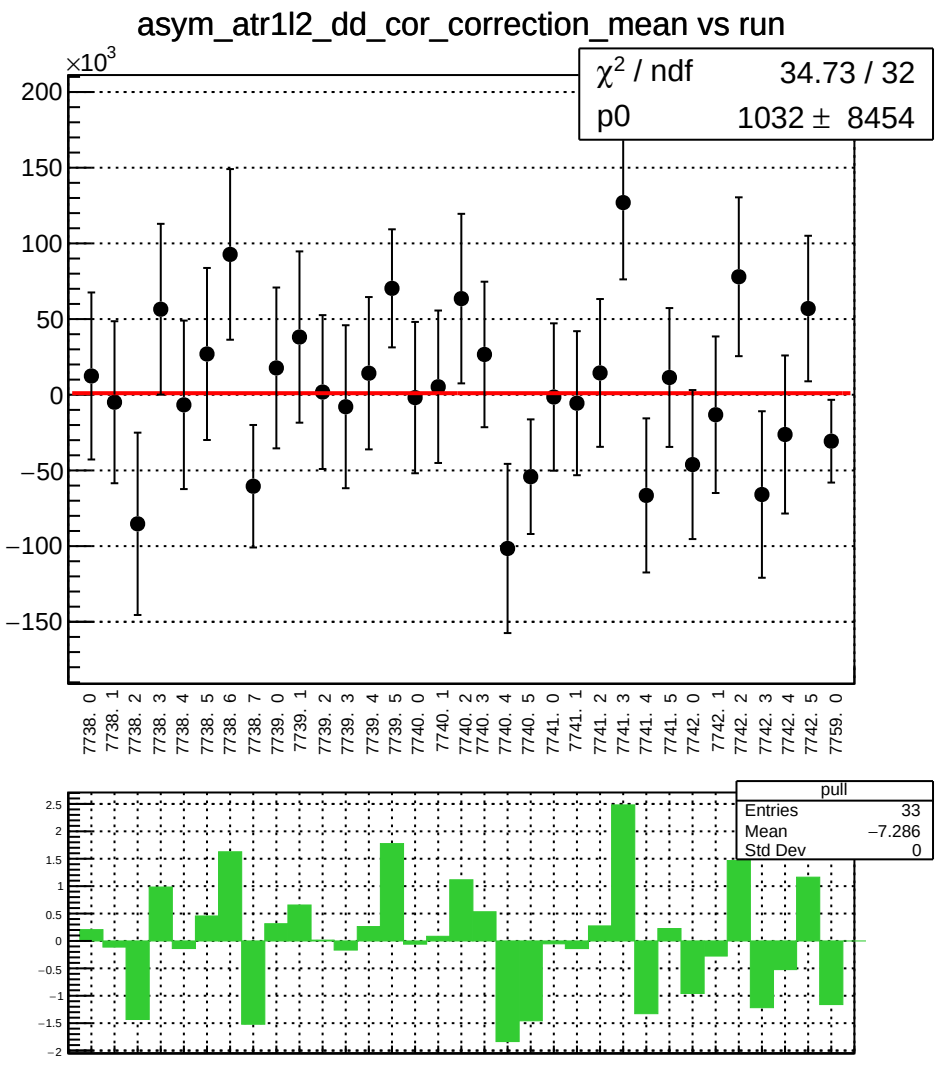

pull1D
Entries 33
Mean 0.03851
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

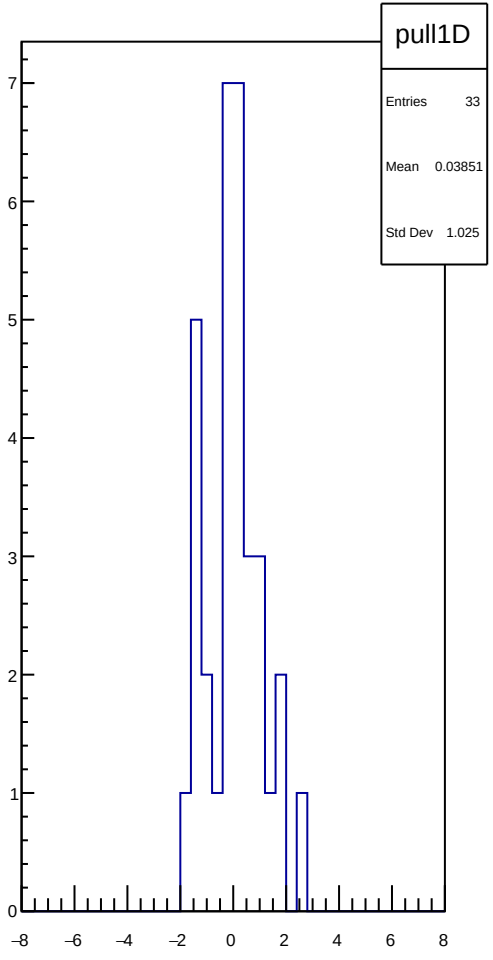

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 6326 / 32
p0 4844 ± 5.978
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

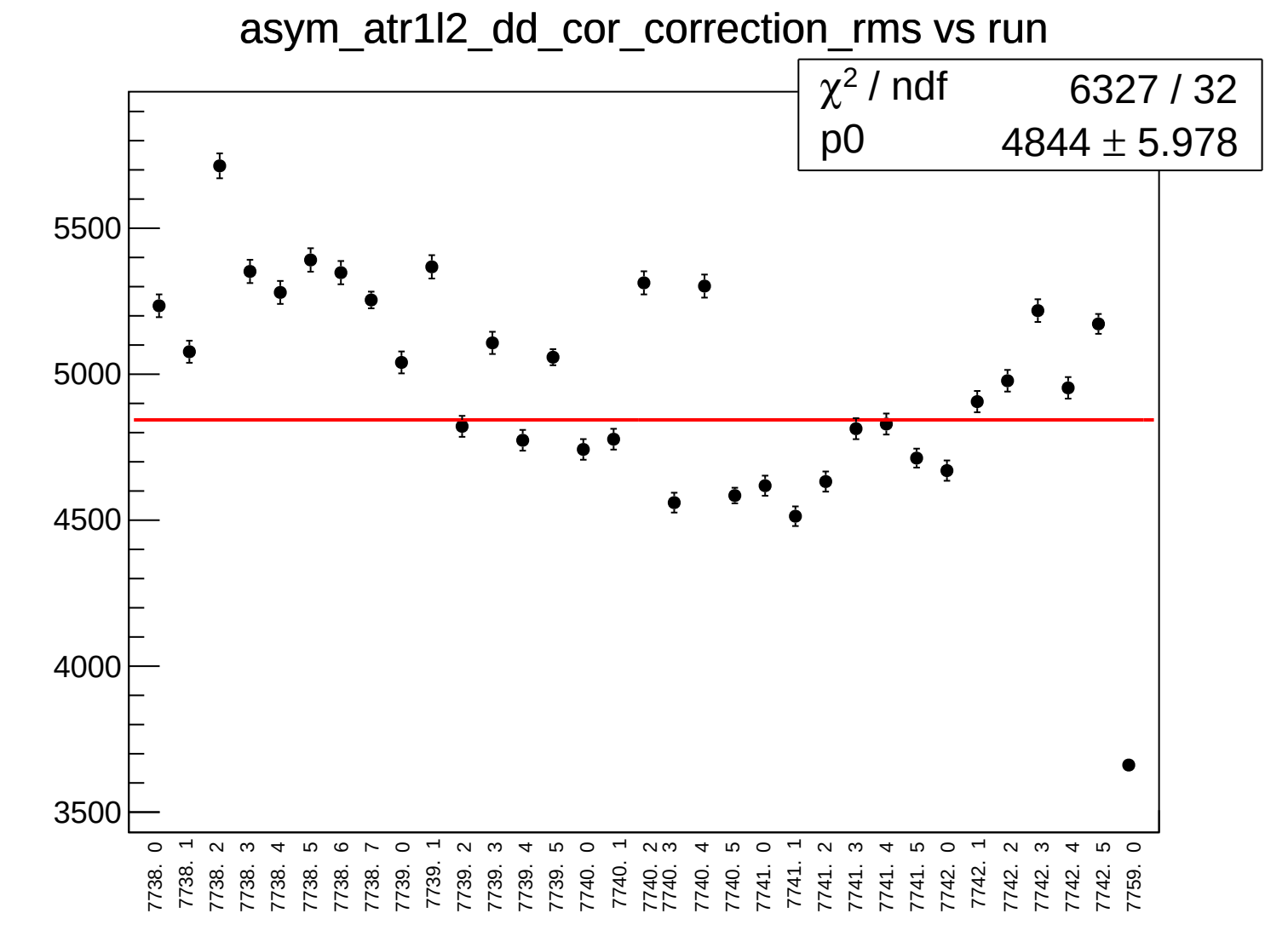

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 34.93 / 32
p0 2570 ± 3102
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1488
Std Dev 0
2
1
0
−1
−2

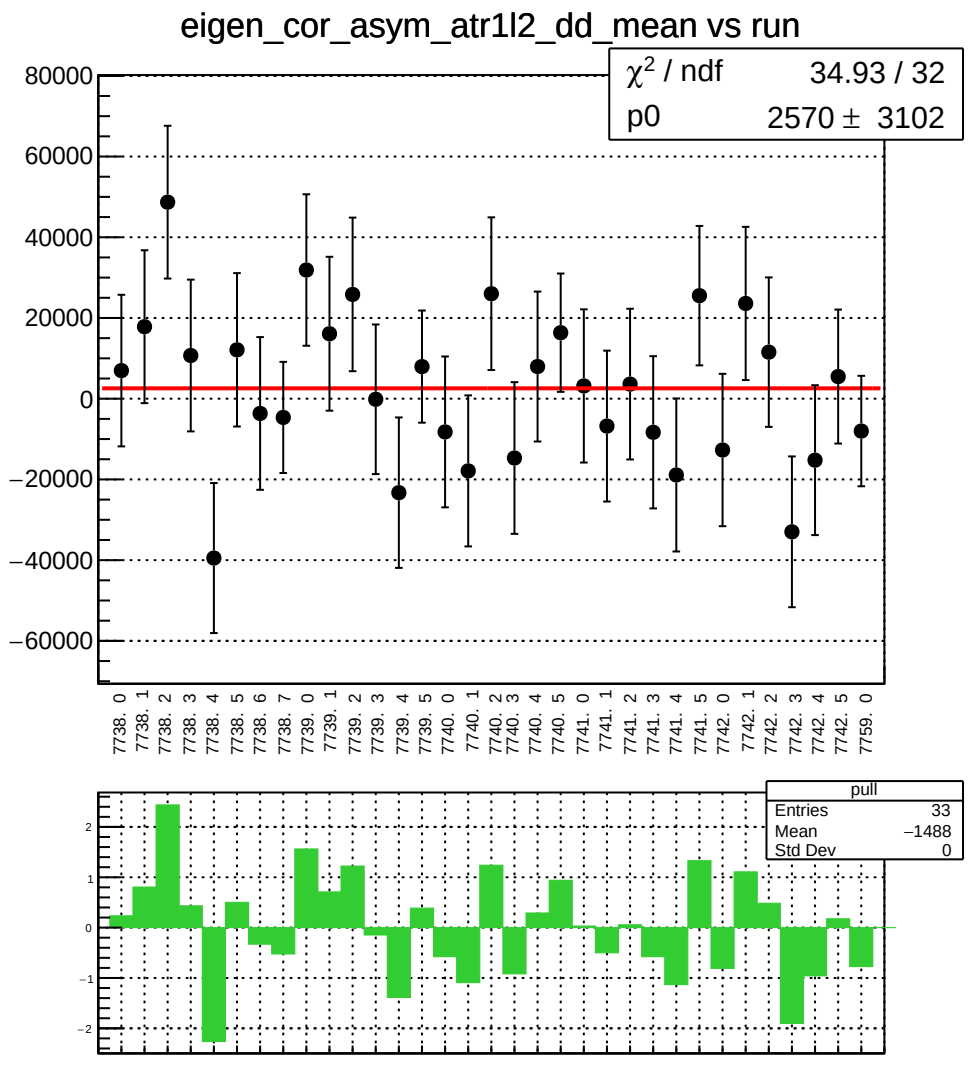

pull1D
Entries 33
Mean 0.001653
Std Dev 1.029
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

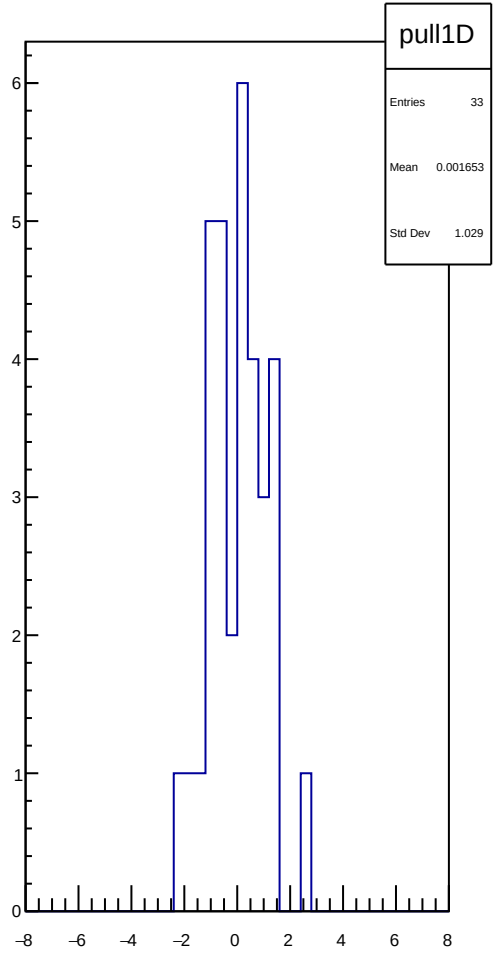

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 65.87 / 32
p0 1786 ± 2.194
1840
1820
1800
1780
1760
1740
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

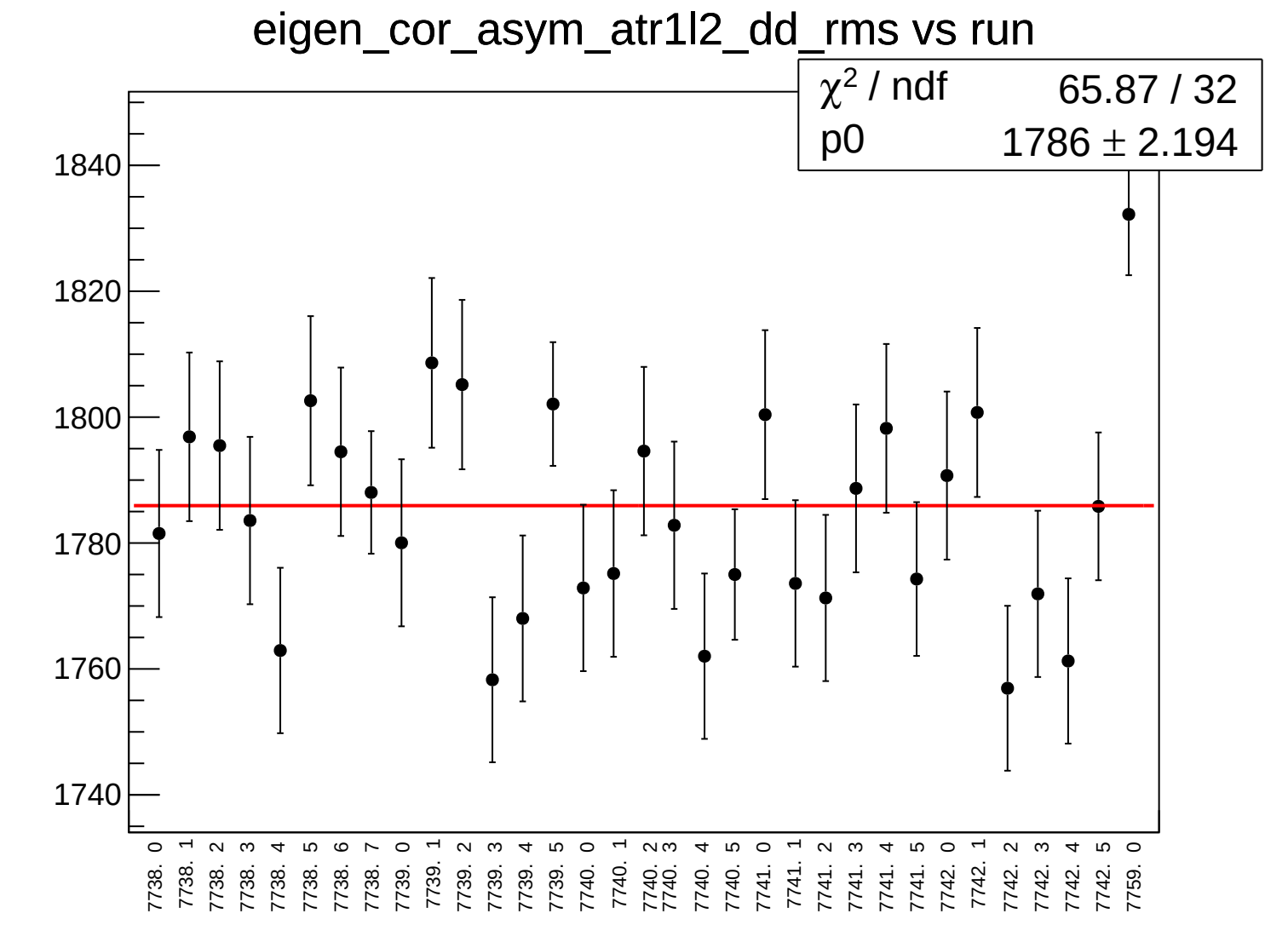

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 34.73 / 32
p0 1032 ± 8454
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.286
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

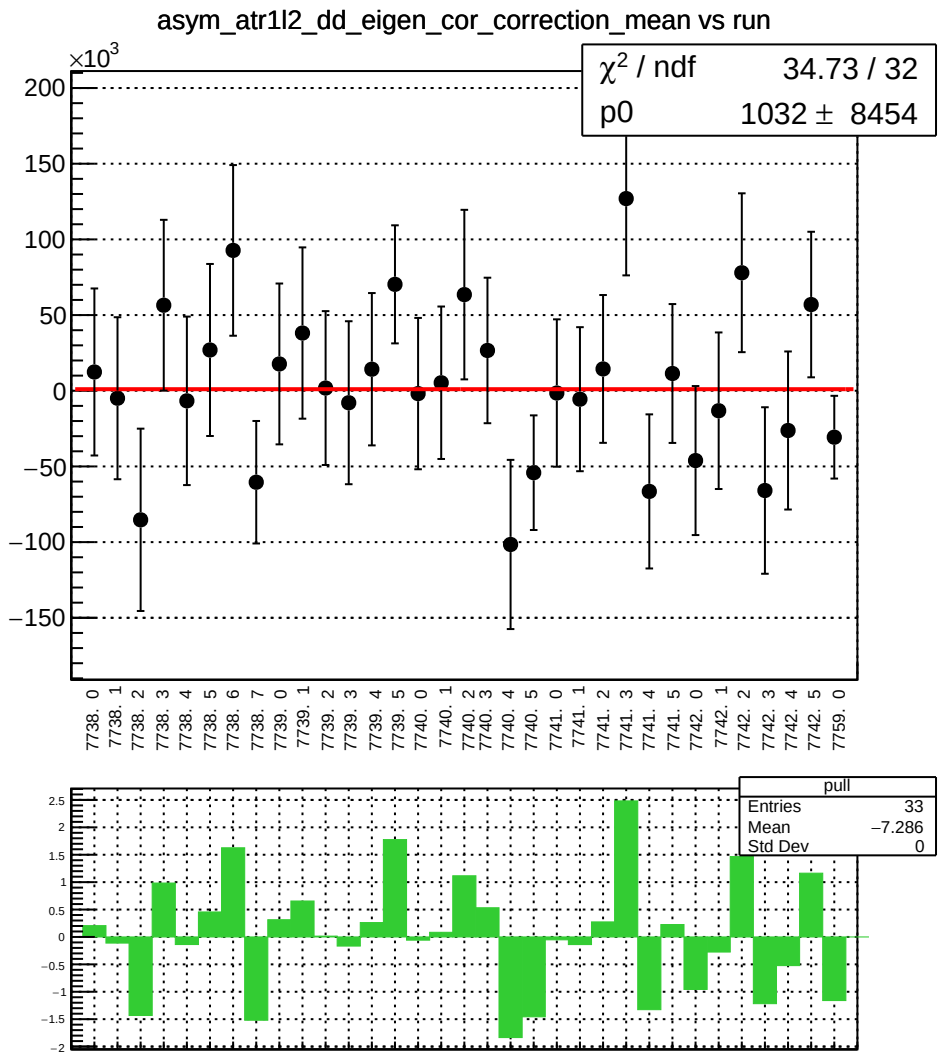

pull1D
Entries 33
Mean 0.03851
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

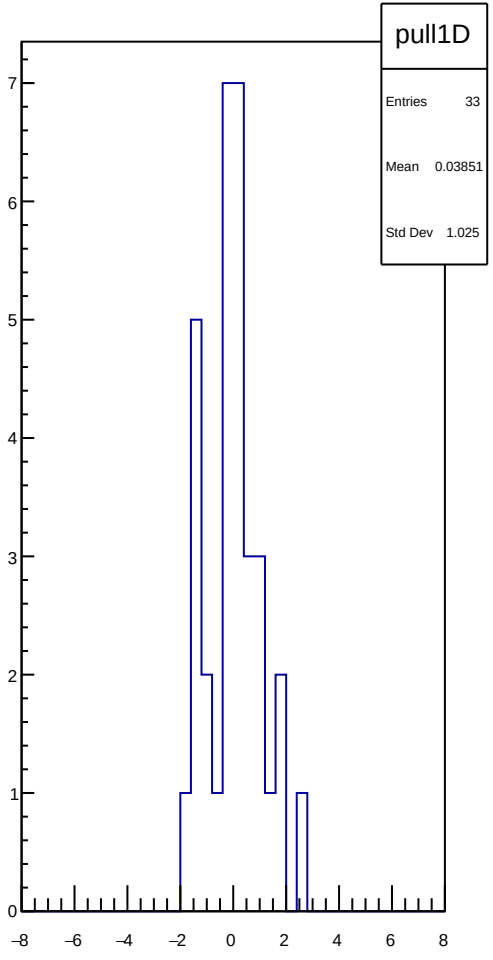

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 6327 / 32
p0 4844 ± 5.978
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

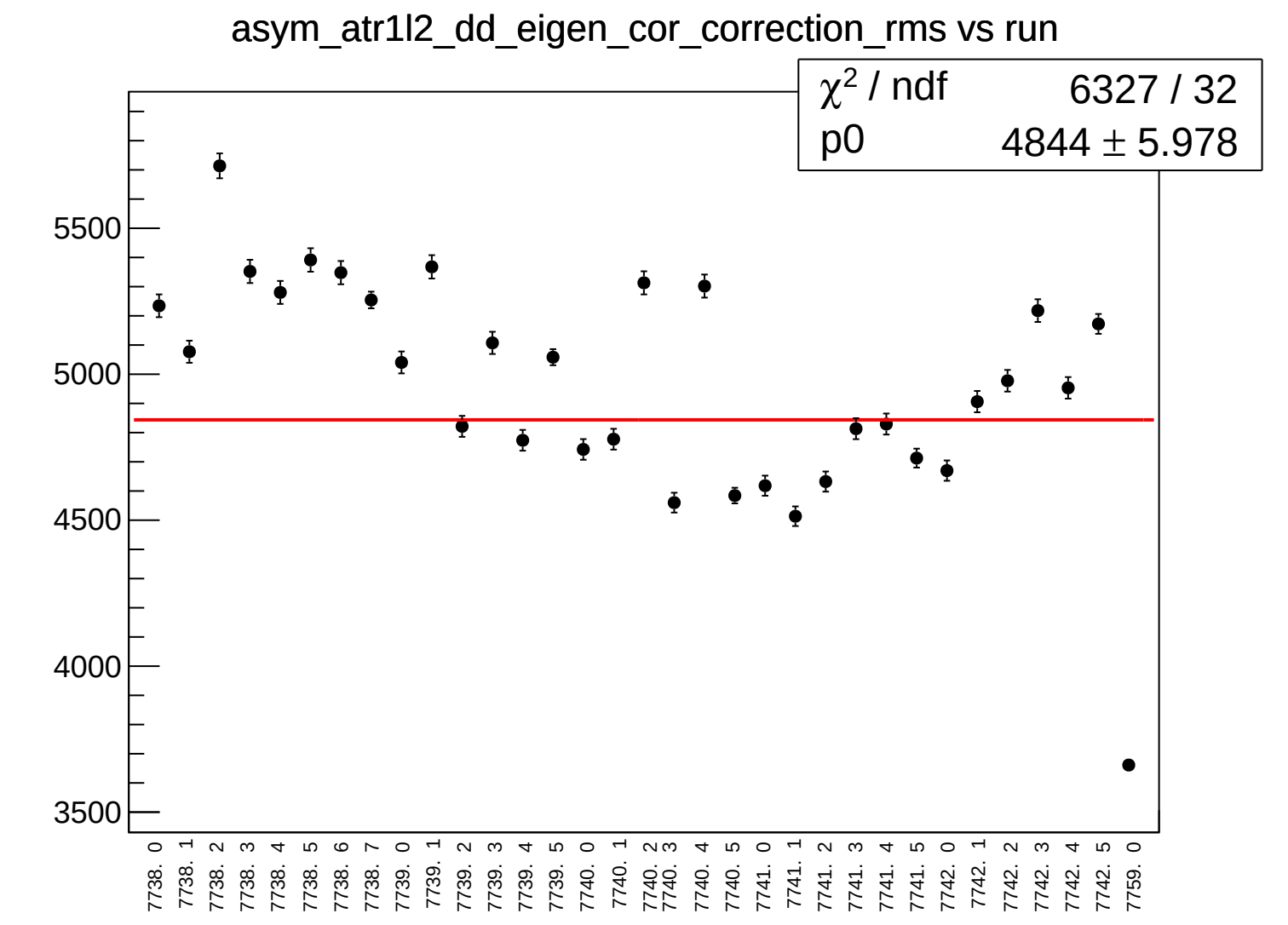

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 34.93 / 32
p0 2570 ± 3102
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1488
Std Dev 0
2
1
0
−1
−2

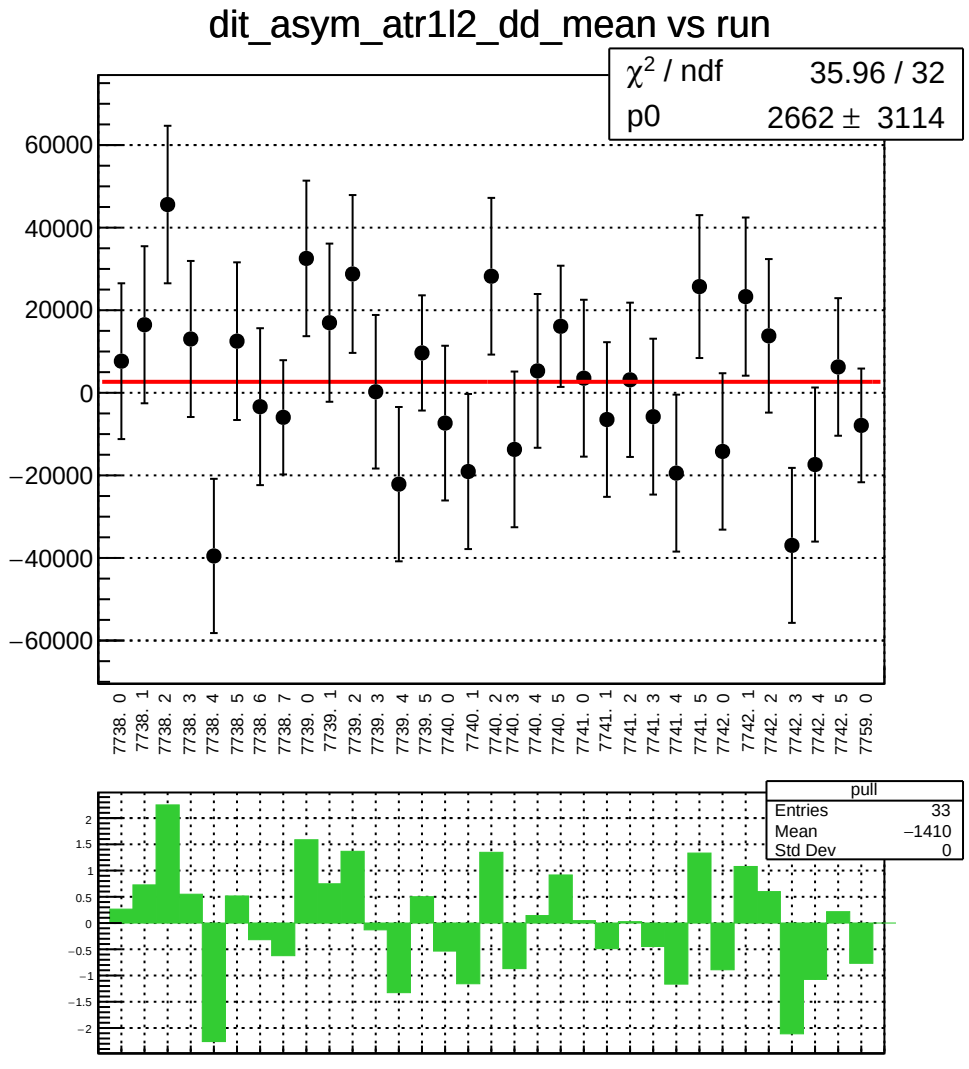

pull1D
Entries 33
Mean 0.001653
Std Dev 1.029
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

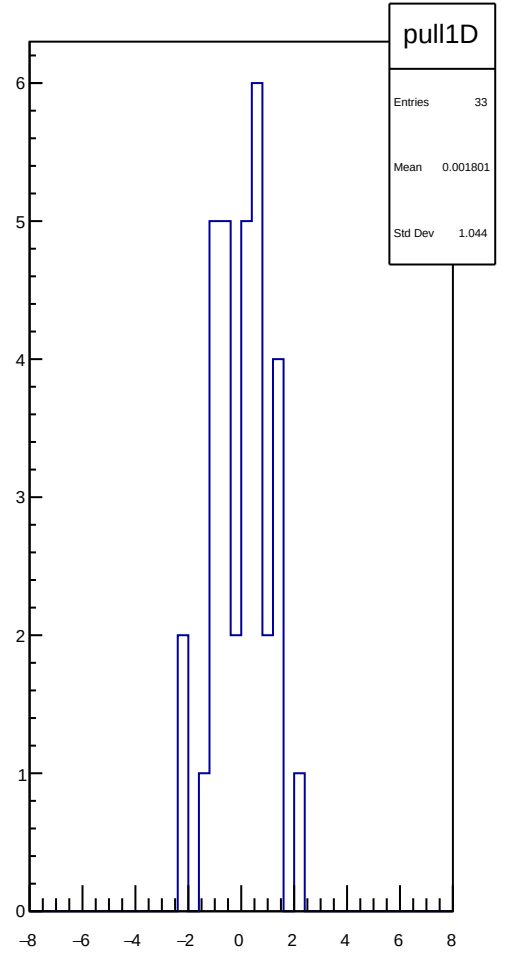

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 65.87 / 32
p0 1786 ± 2.194
1840
1820
1800
1780
1760
1740
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

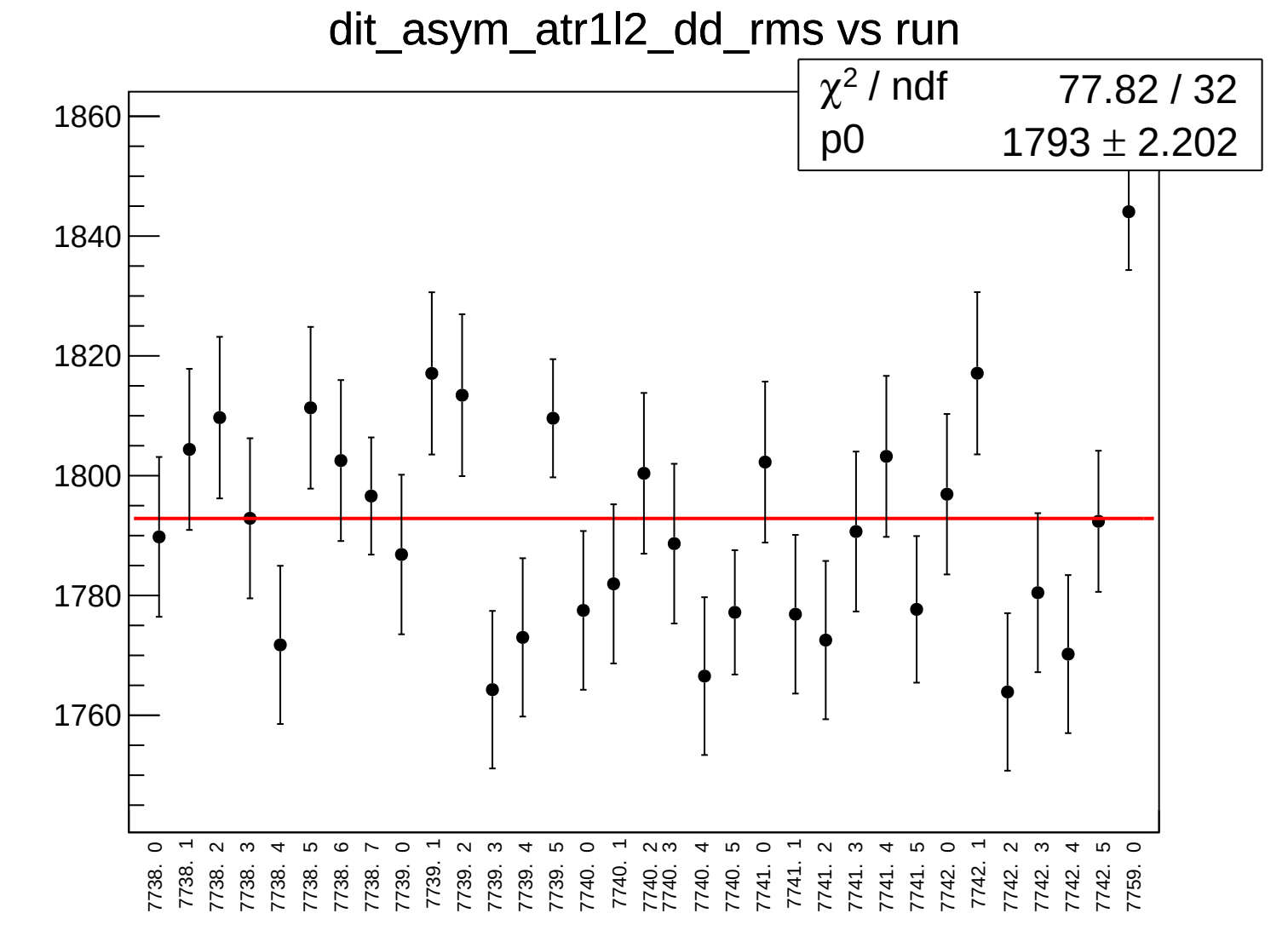

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 34.73 / 32
p0 1032 ± 8454
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.286
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

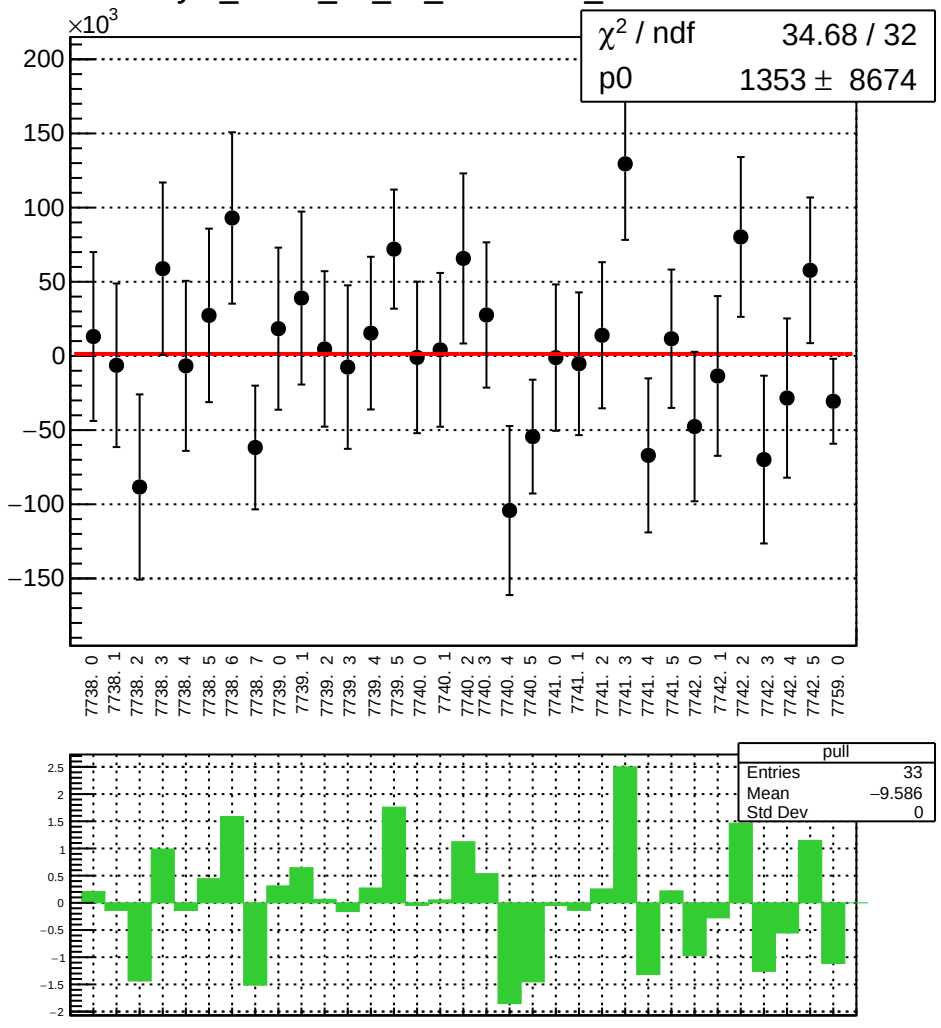

pull1D
Entries 33
Mean 0.03851
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

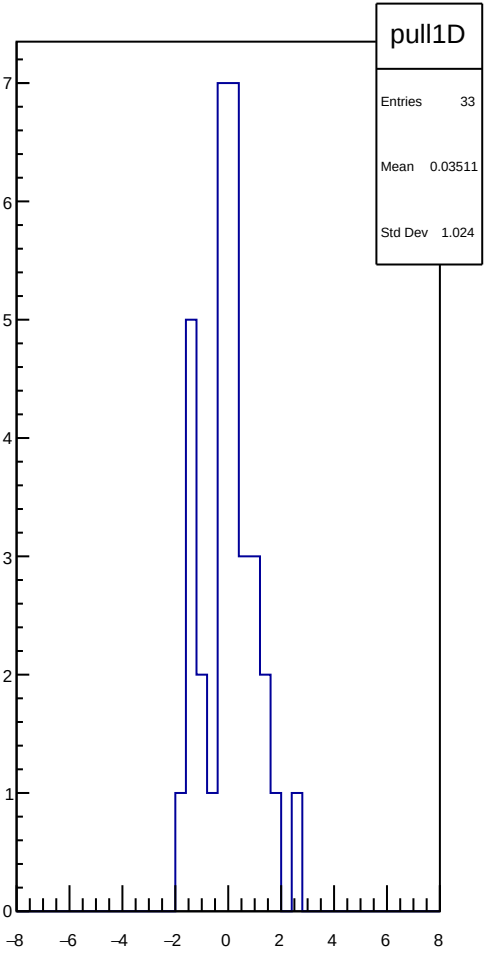

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 6327 / 32
p0 4844 ± 5.978
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

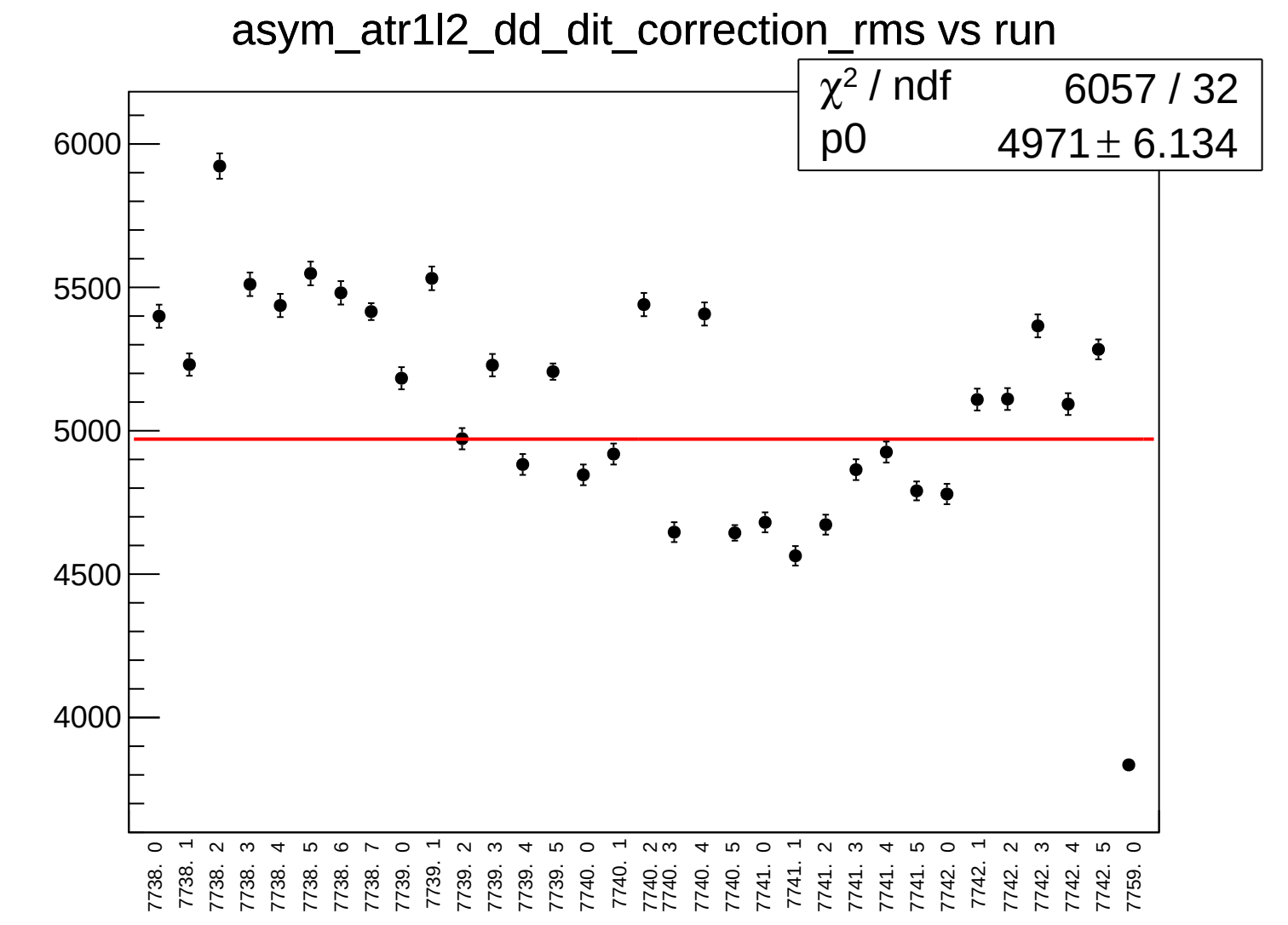

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 35.96 / 32
p0 2662 ± 3114
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1410
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

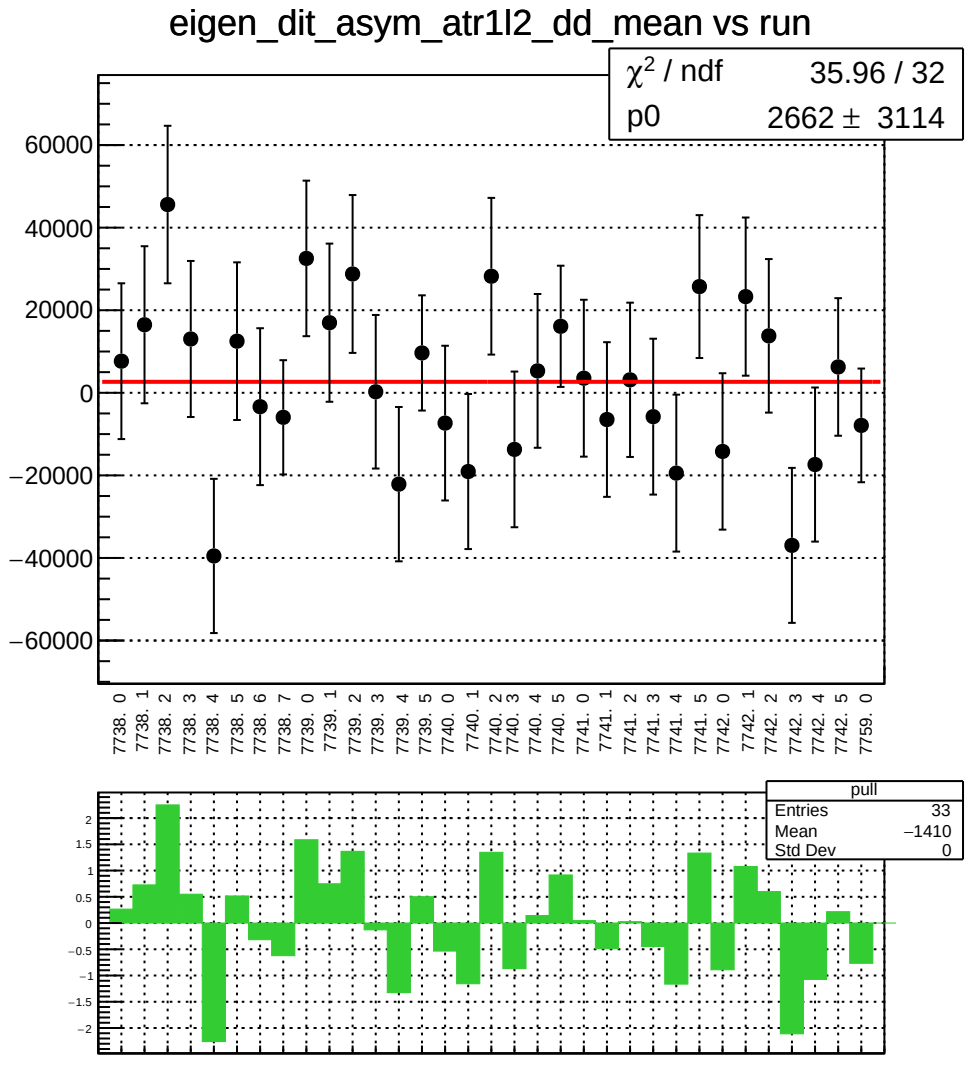

pull1D
Entries 33
Mean 0.001801
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

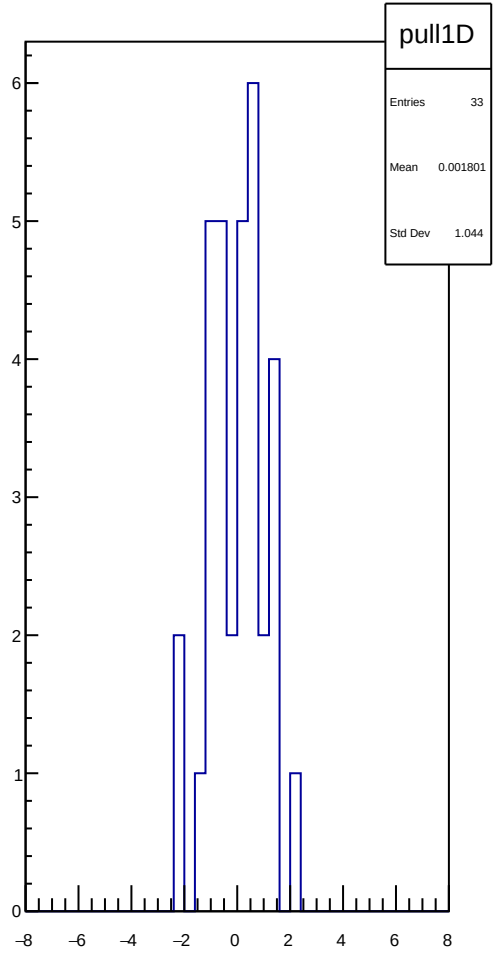

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 77.82 / 32
p0 1793 ± 2.202
1860
1840
1820
1800
1780
1760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

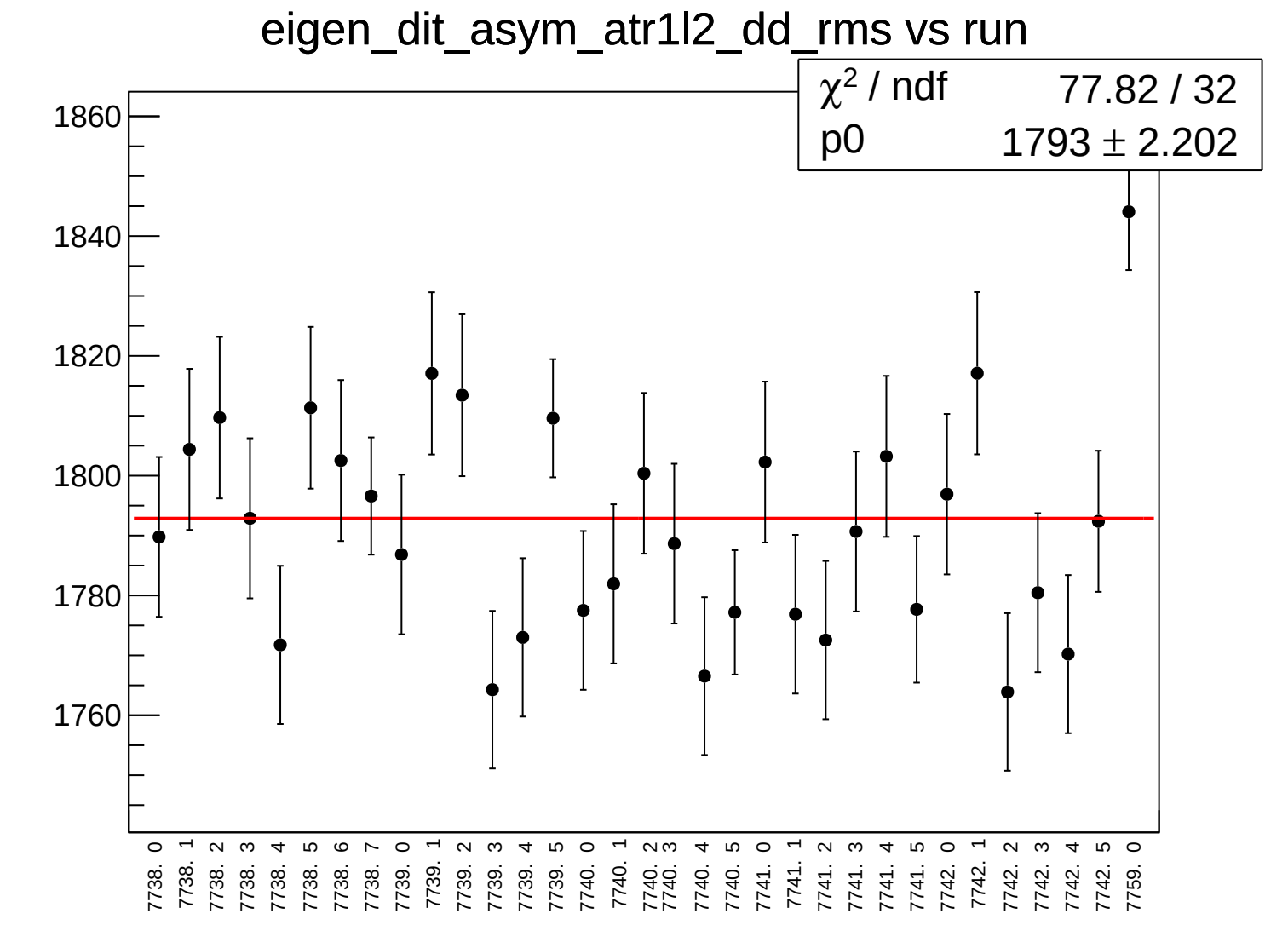

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.68 / 32
p0 1353 ± 8674
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.586
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

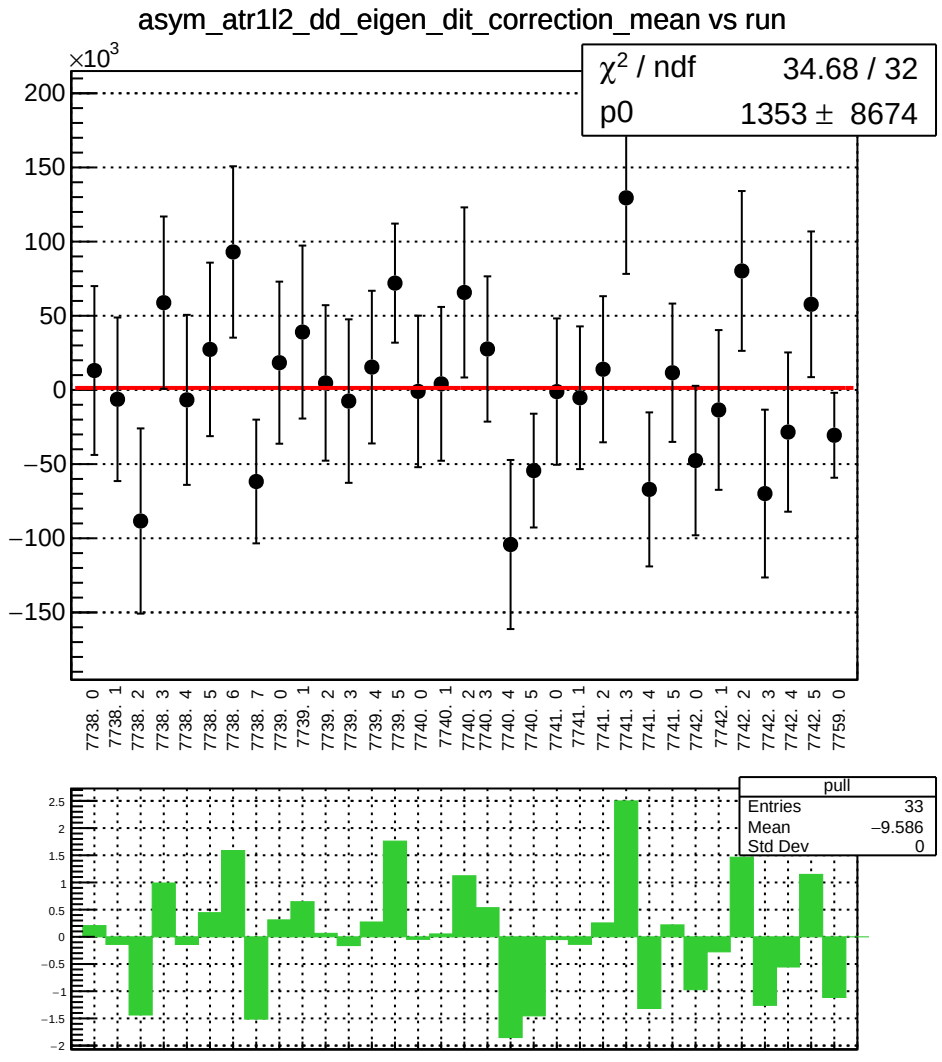

pull1D
Entries 33
Mean 0.03511
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

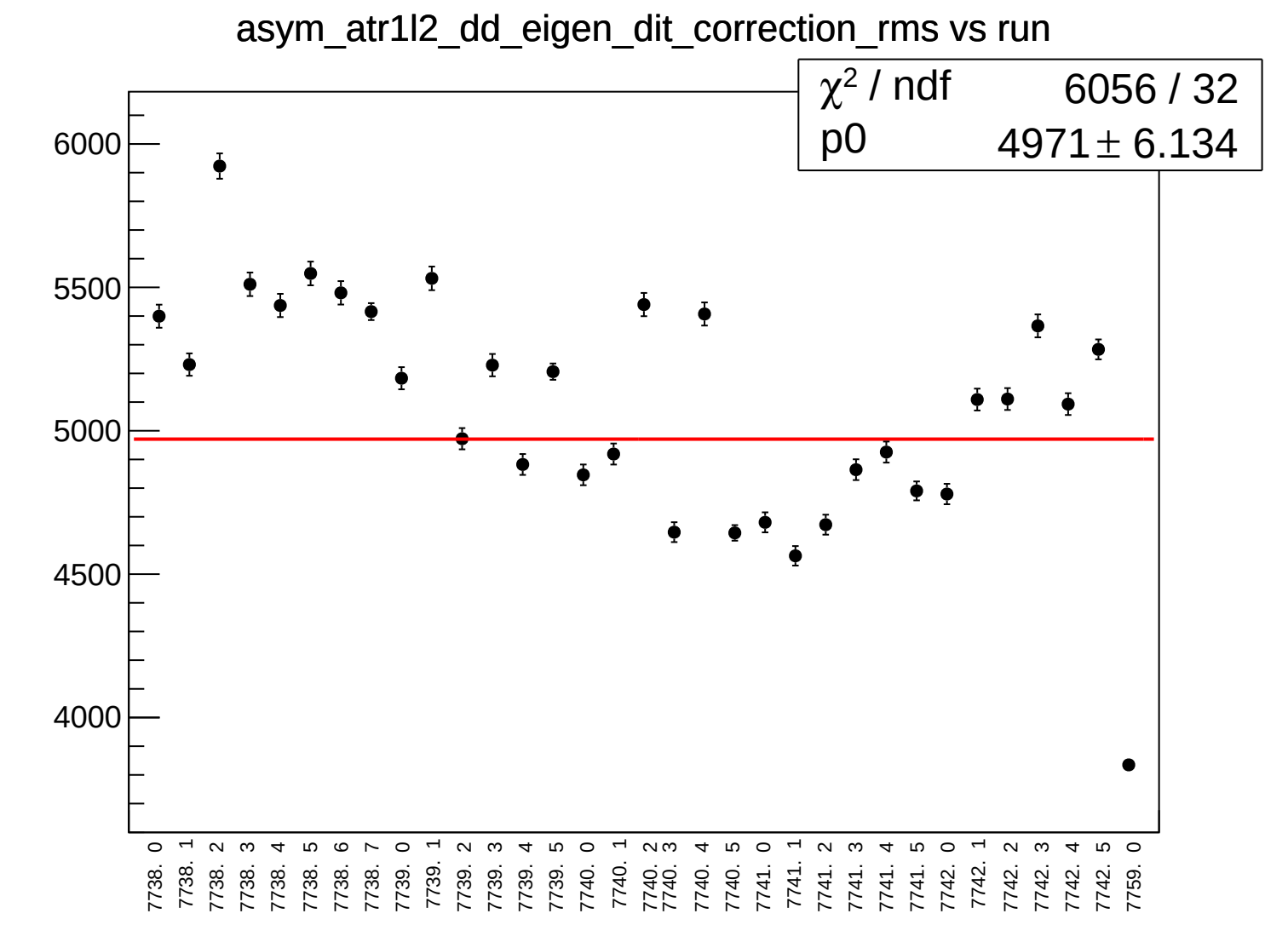

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 6057 / 32
p0 4971 ± 6.134
6000
5500
5000
4500
4000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

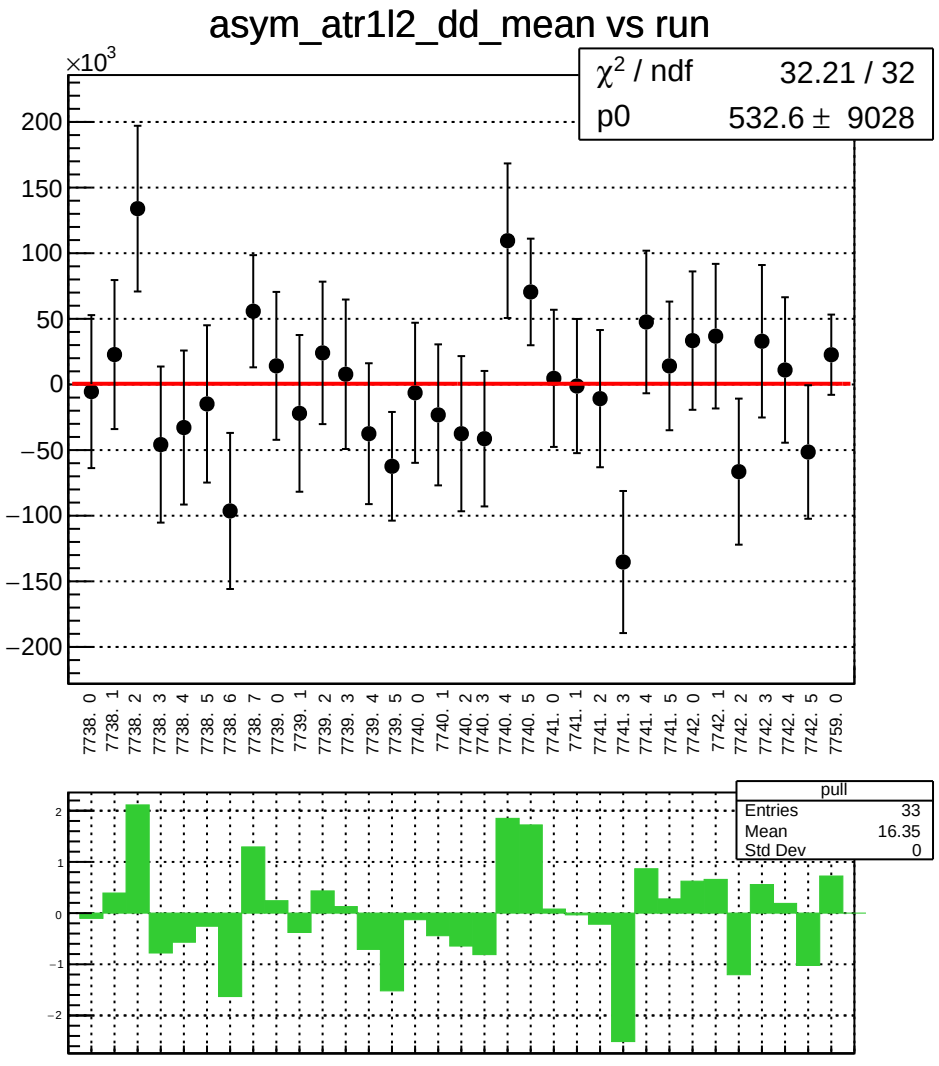

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 35.96 / 32
p0 2662 ± 3114
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1410
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

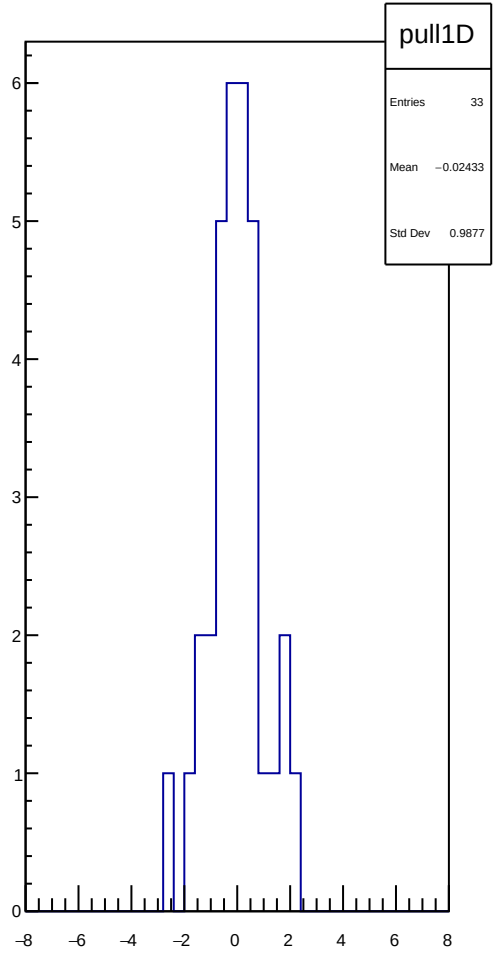

pull1D
Entries 33
Mean 0.001801
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

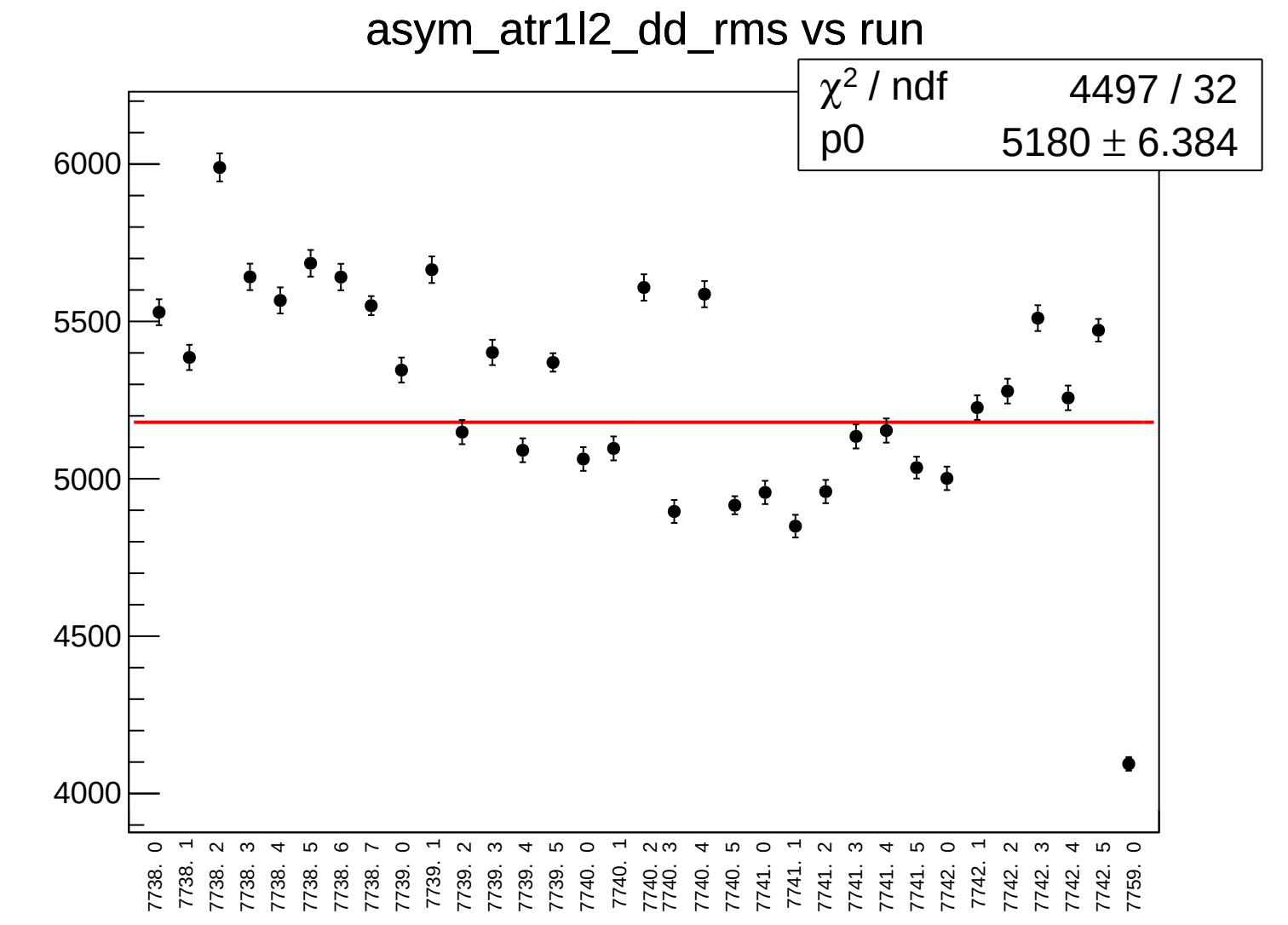

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 77.82 / 32
p0 1793 ± 2.202
1860
1840
1820
1800
1780
1760
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

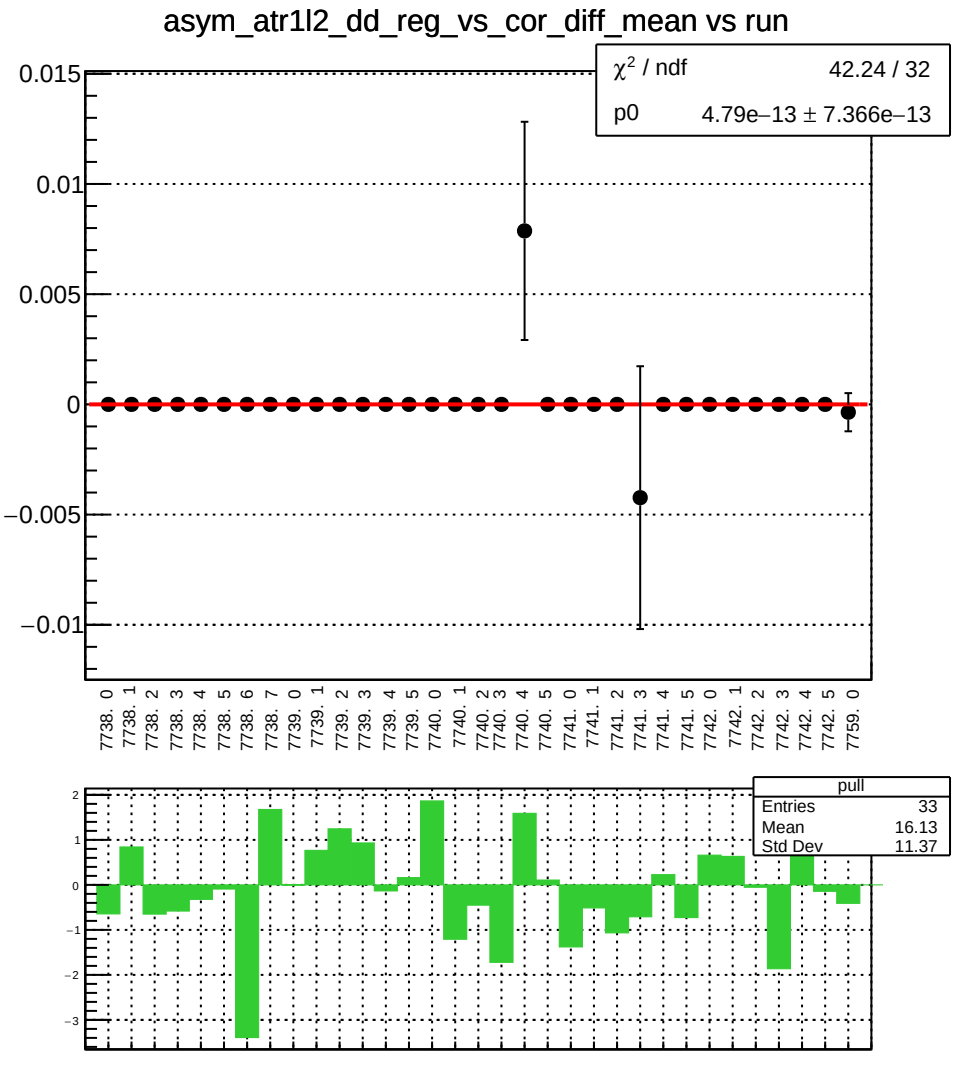

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 34.68 / 32
p0 1353 ± 8674
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.586
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03511
Std Dev 1.024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

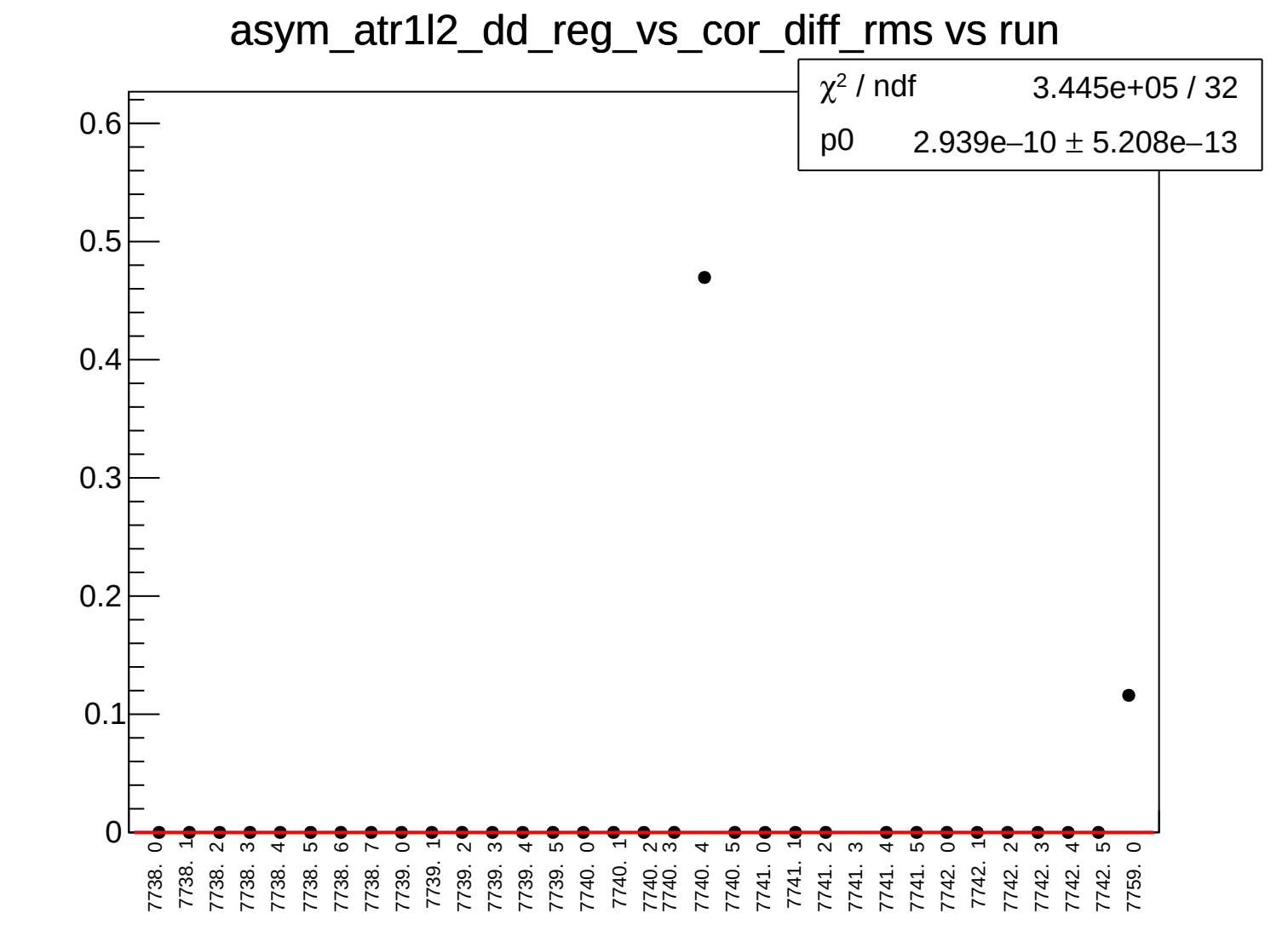

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 6056 / 32
p0 4971 ± 6.134
6000
5500
5000
4500
4000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

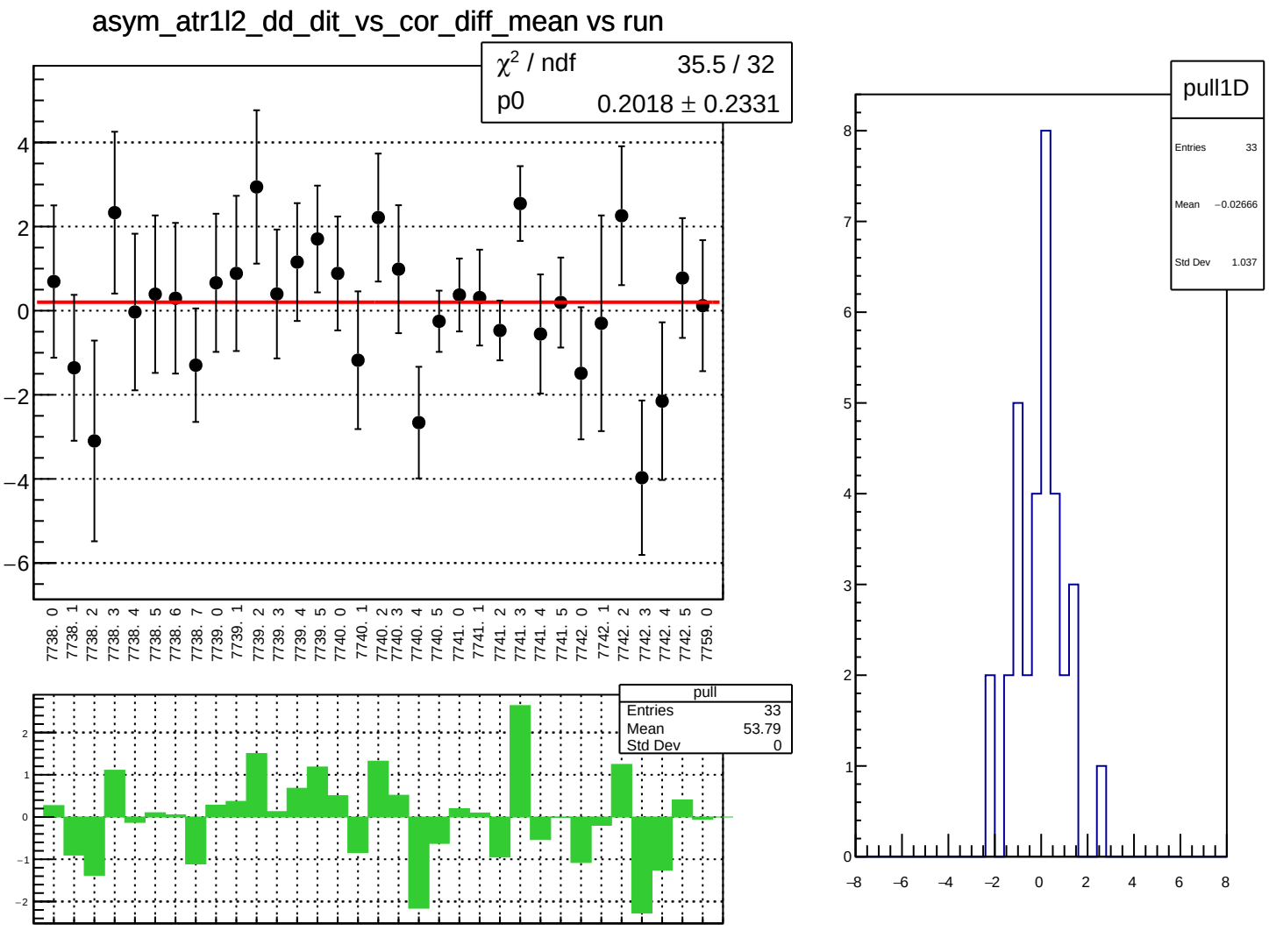

asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 32.21 / 32
p0 532.6 ± 9028
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.35
Std Dev 0
2
1
0
−1
−2

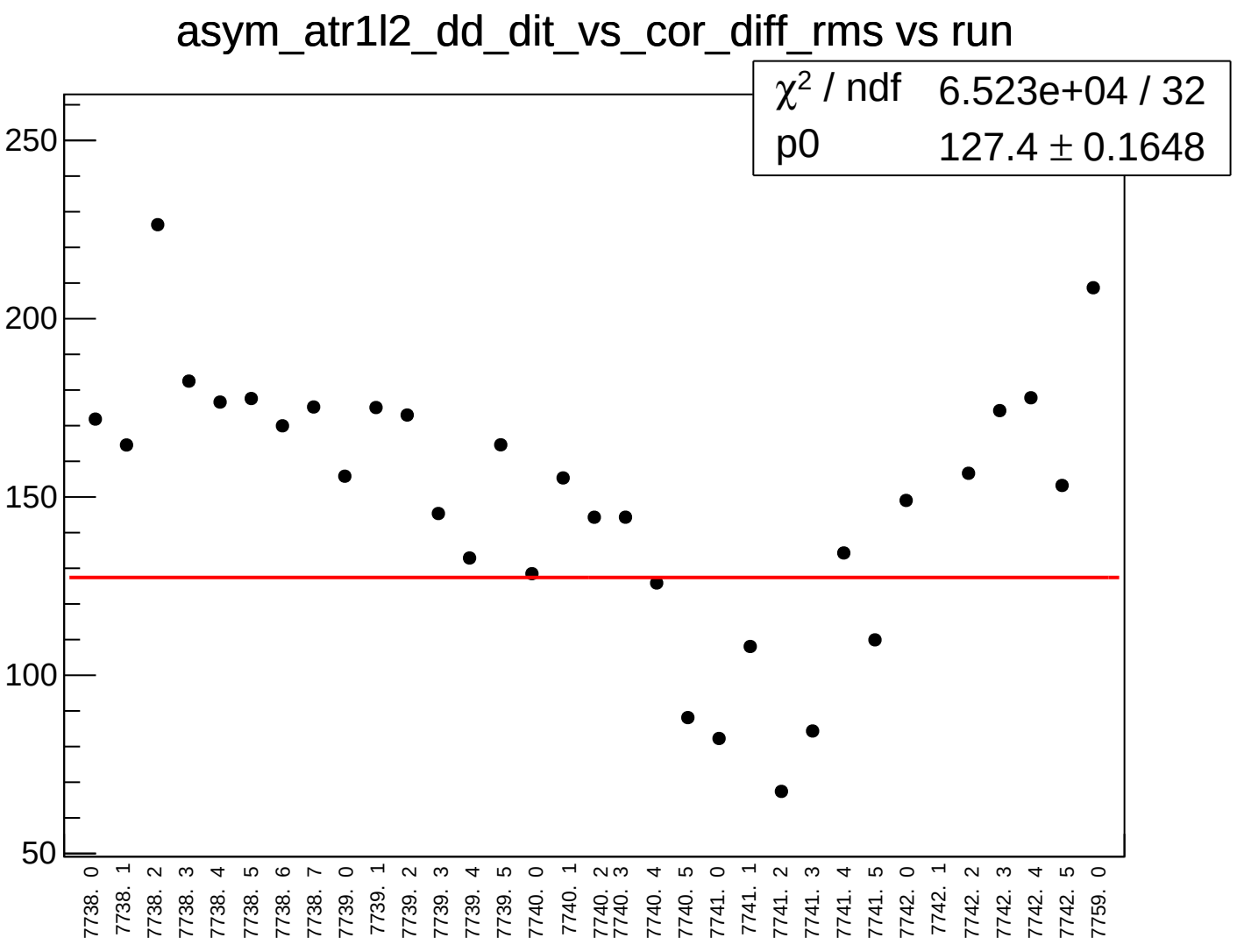

pull1D
Entries 33
Mean −0.02433
Std Dev 0.9877
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

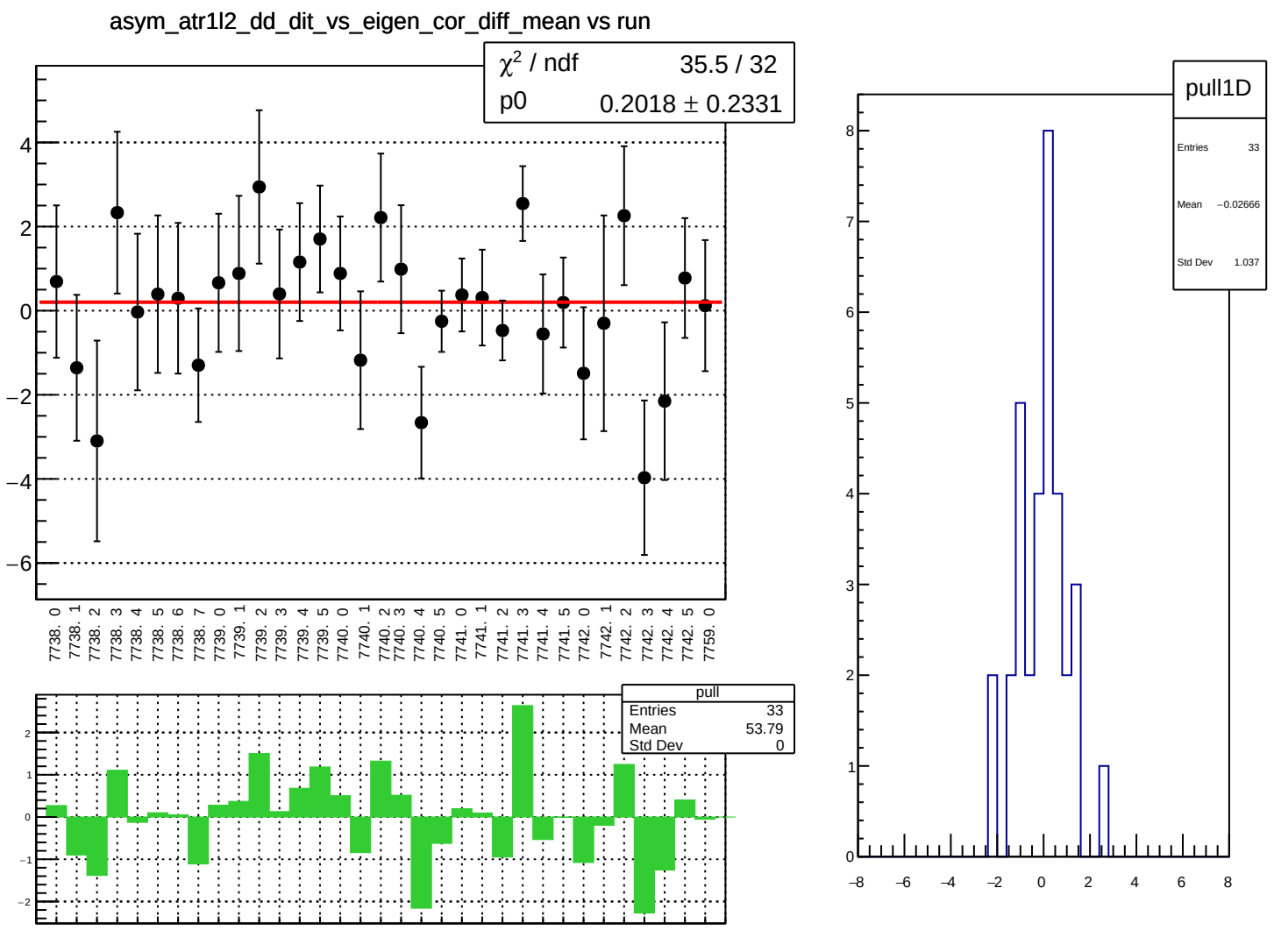

asym_atr1l2_dd_rms vs run
χ² / ndf 4497 / 32
p0 5180 ± 6.384
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

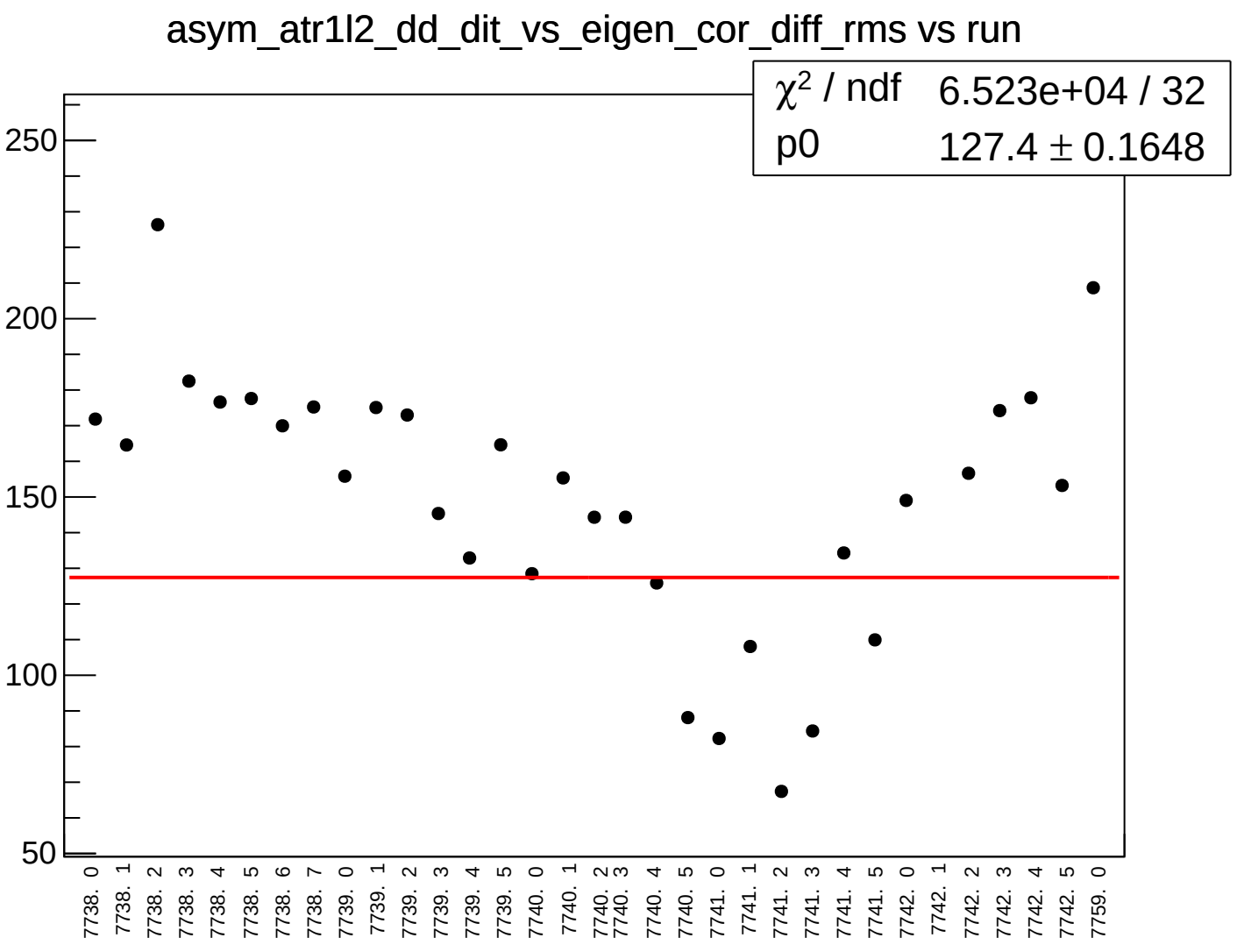

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.24 / 32
p0 4.79e−13 ± 7.366e−13
0.015
0.01
0.005
0
−0.005
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.13
Std Dev 11.37
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.1069
Std Dev 1.126
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

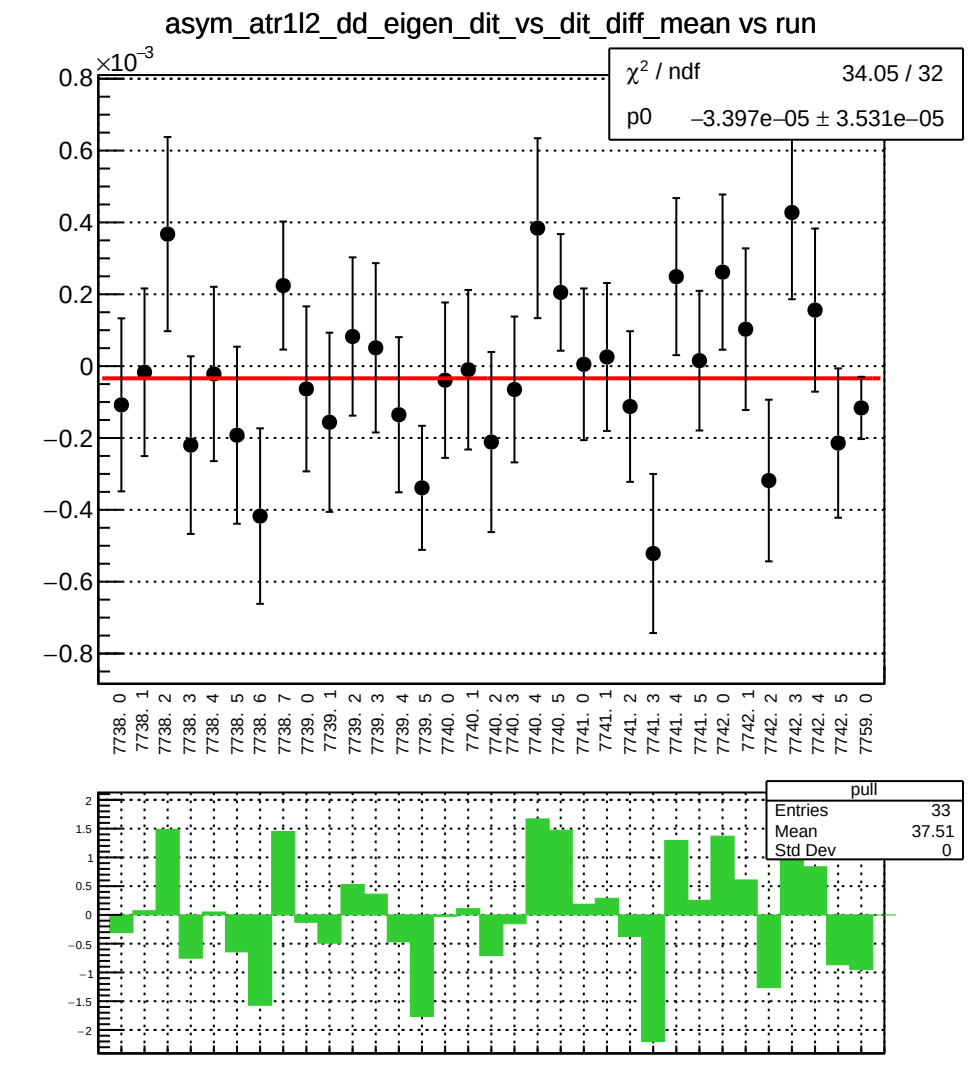

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.445e+05 / 32
p0 2.939e−10 ± 5.208e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

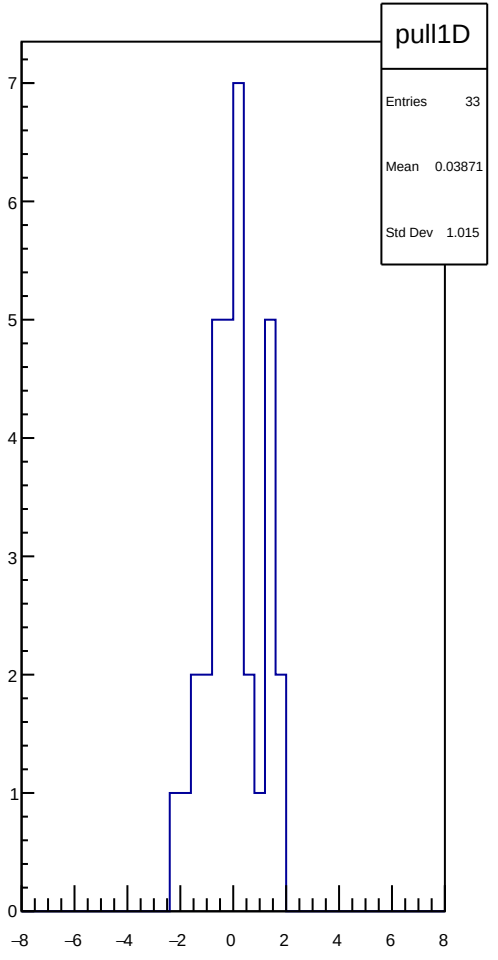

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.5 / 32
p0 0.2018 ± 0.2331
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 53.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02666
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

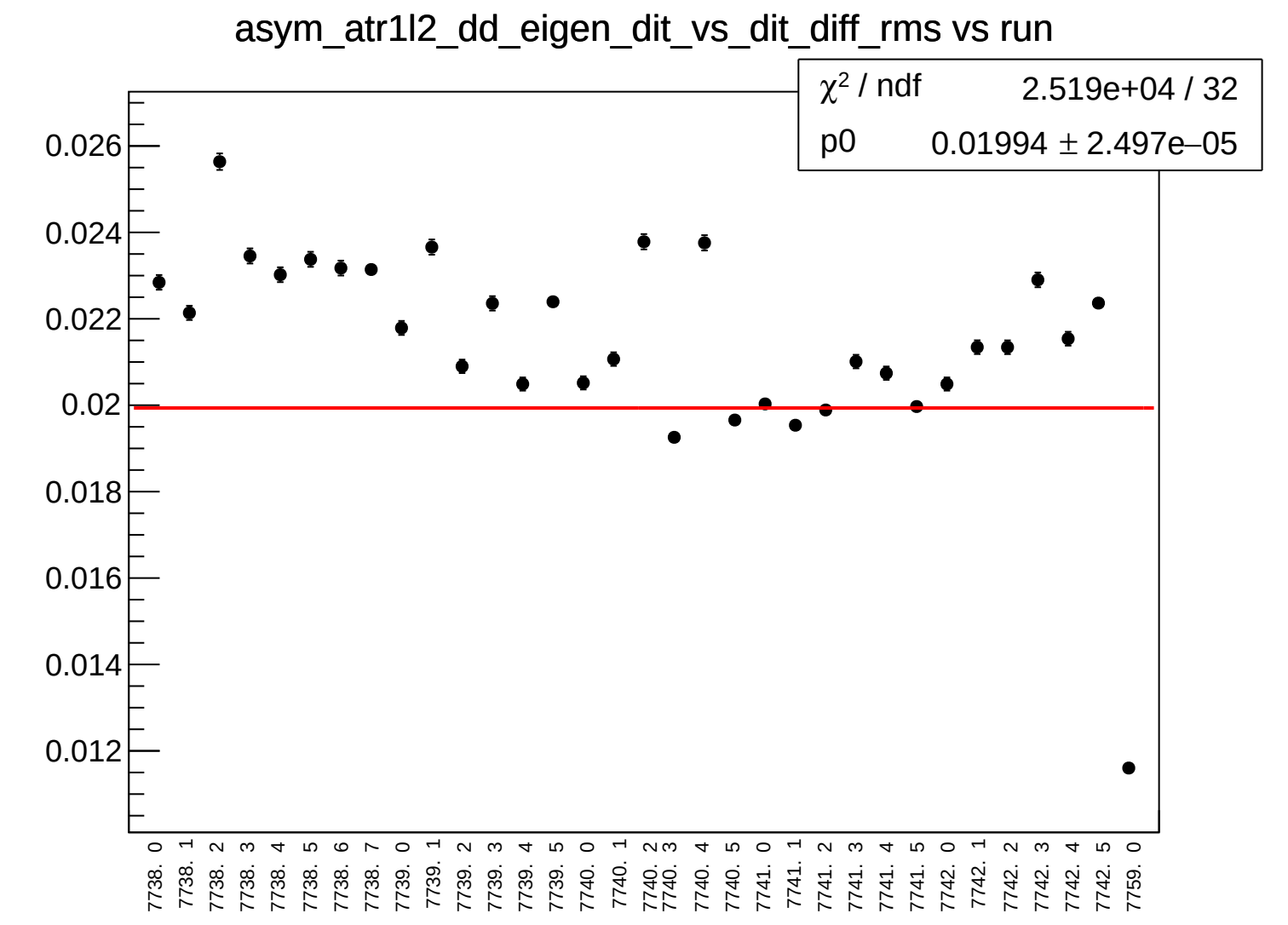

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.523e+04 / 32
p0 127.4 ± 0.1648
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

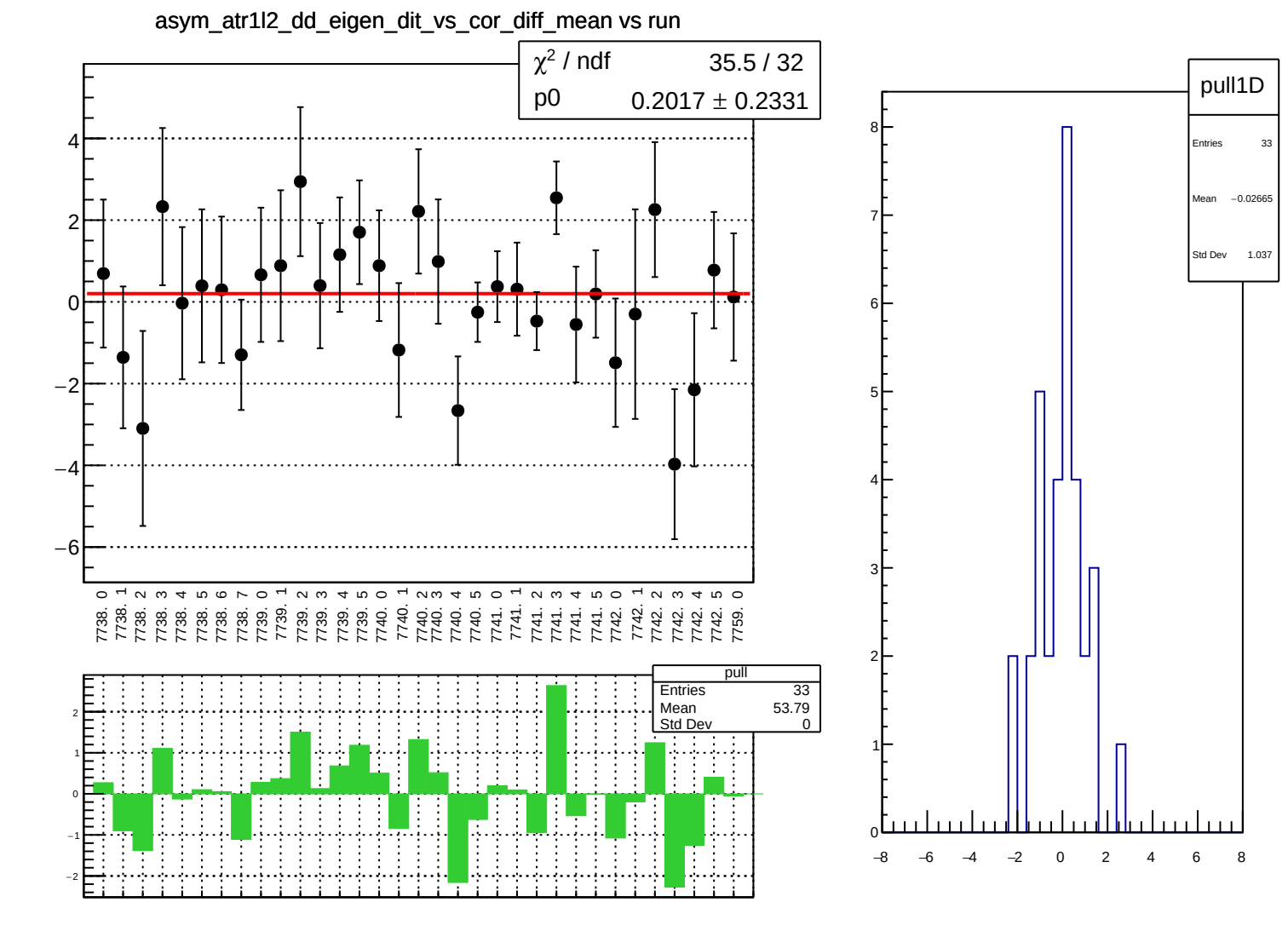

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.5 / 32
p0 0.2018 ± 0.2331
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 53.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02666
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

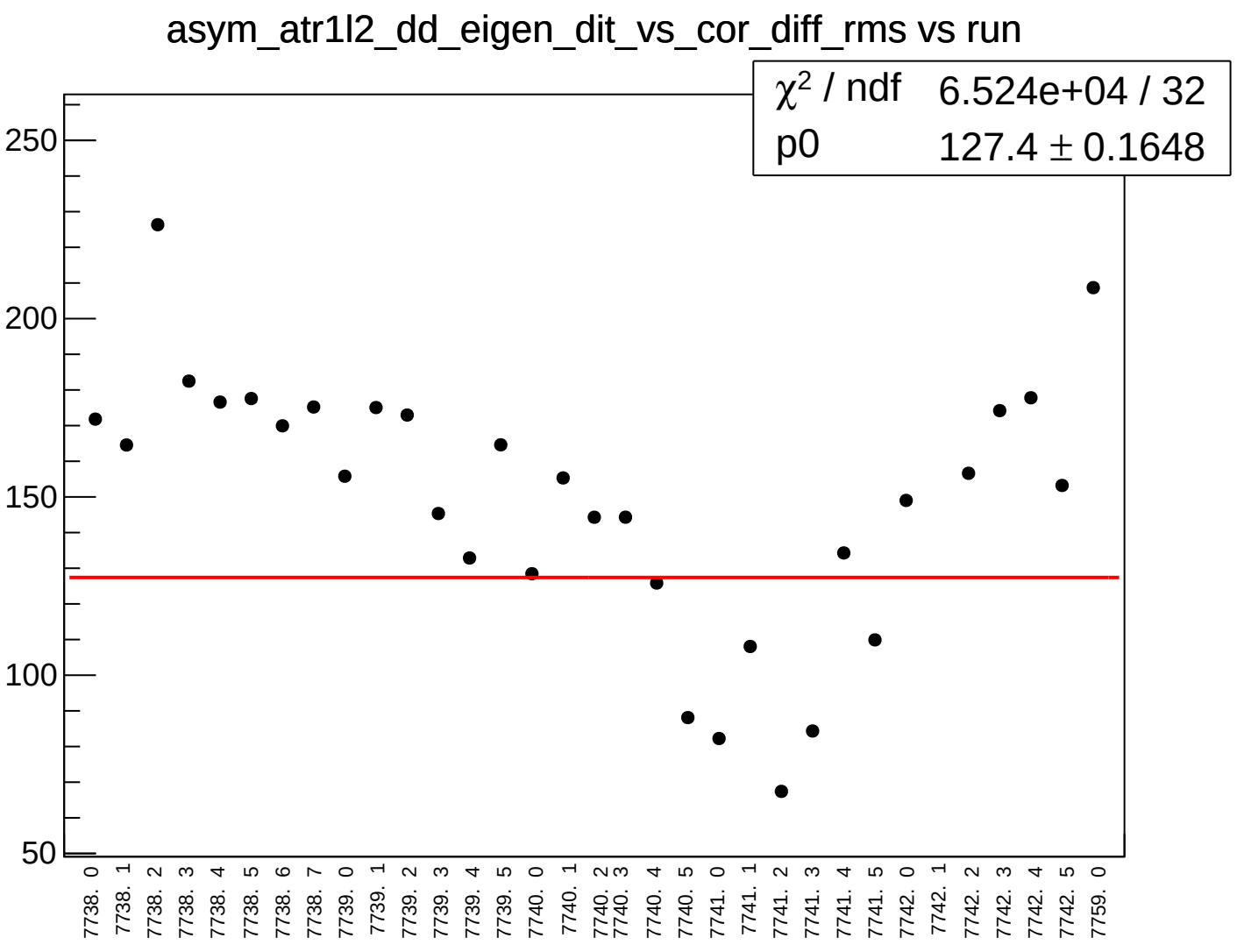

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.523e+04 / 32
p0 127.4 ± 0.1648
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

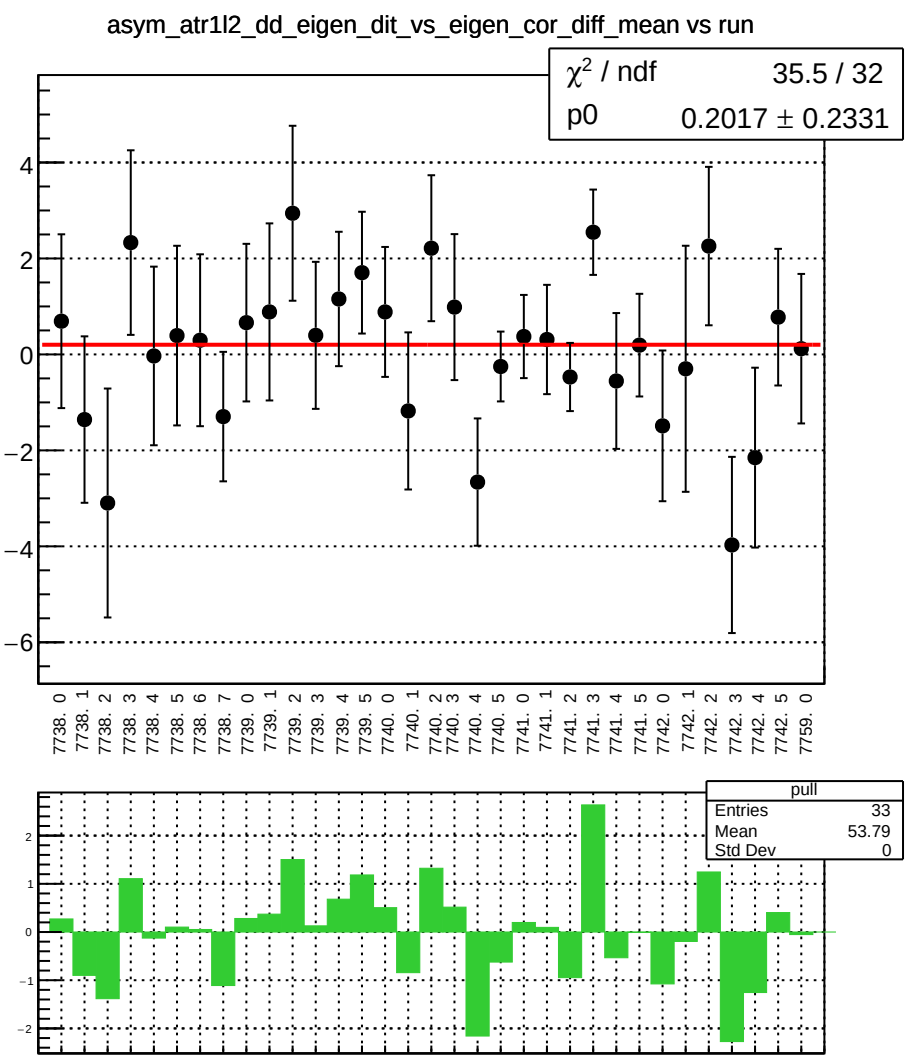

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.05 / 32
p0 −3.397e−05 ± 3.531e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 37.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

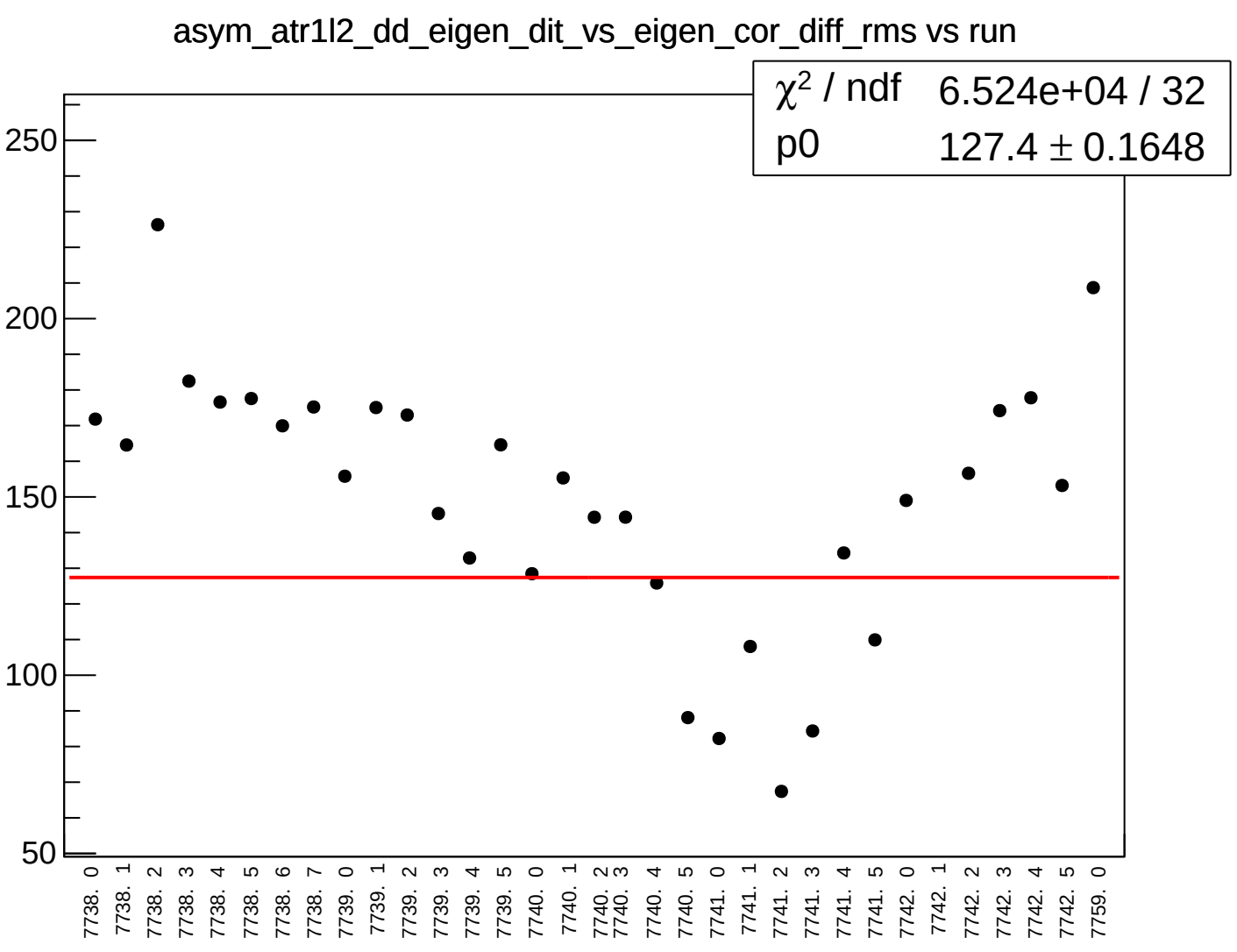

pull1D
Entries 33
Mean 0.03871
Std Dev 1.015
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

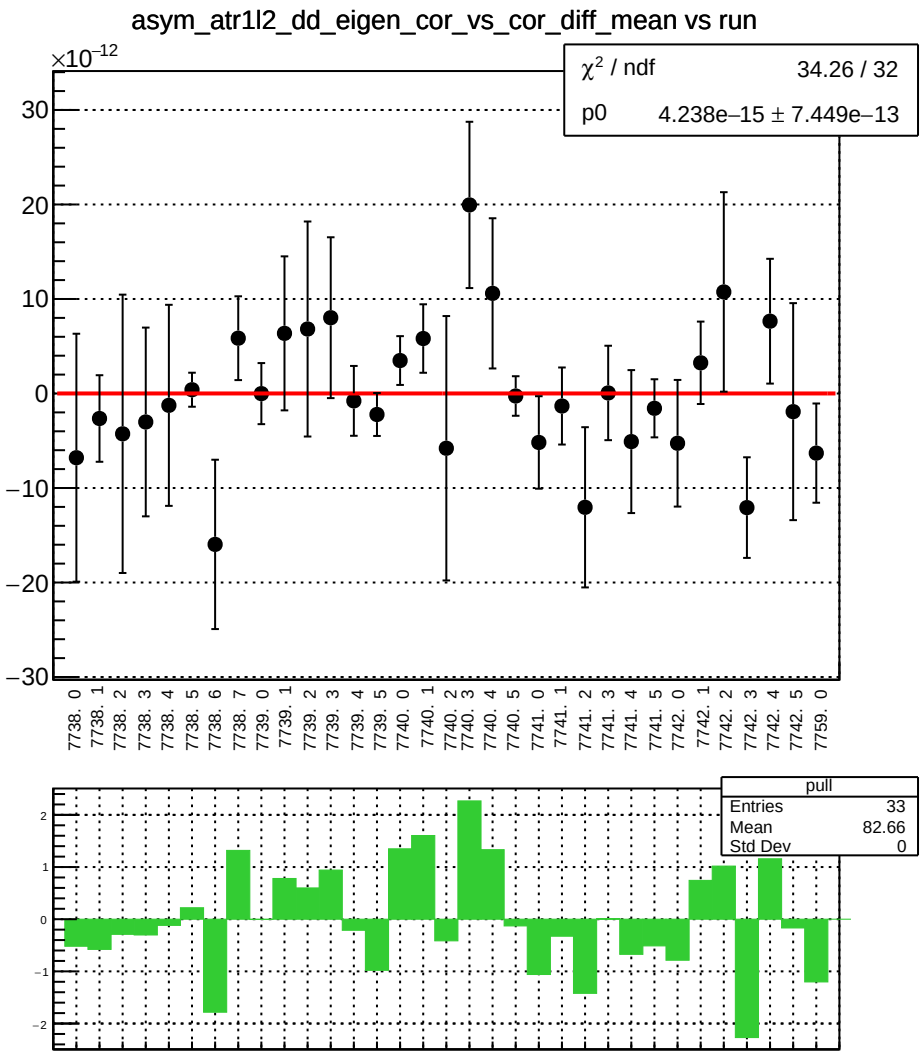

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.519e+04 / 32
p0 0.01994 ± 2.497e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

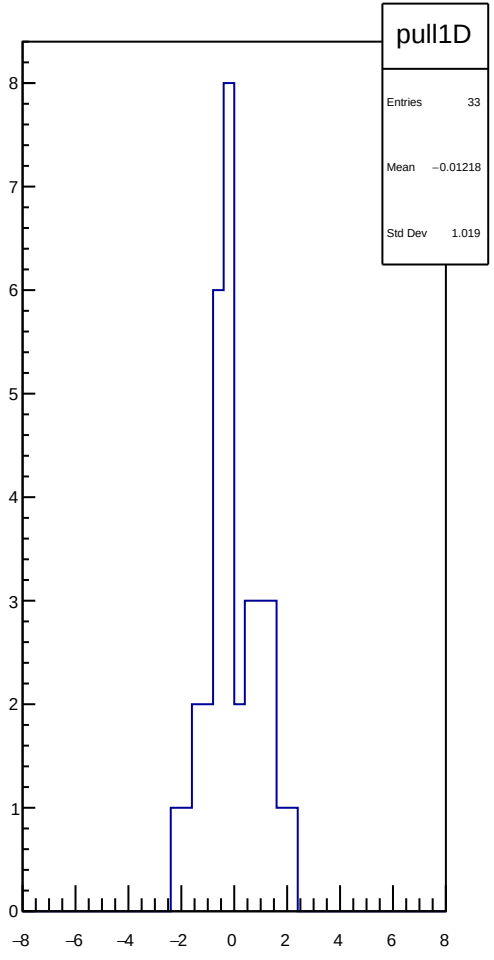

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.5 / 32
p0 0.2017 ± 0.2331
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 53.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02665
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

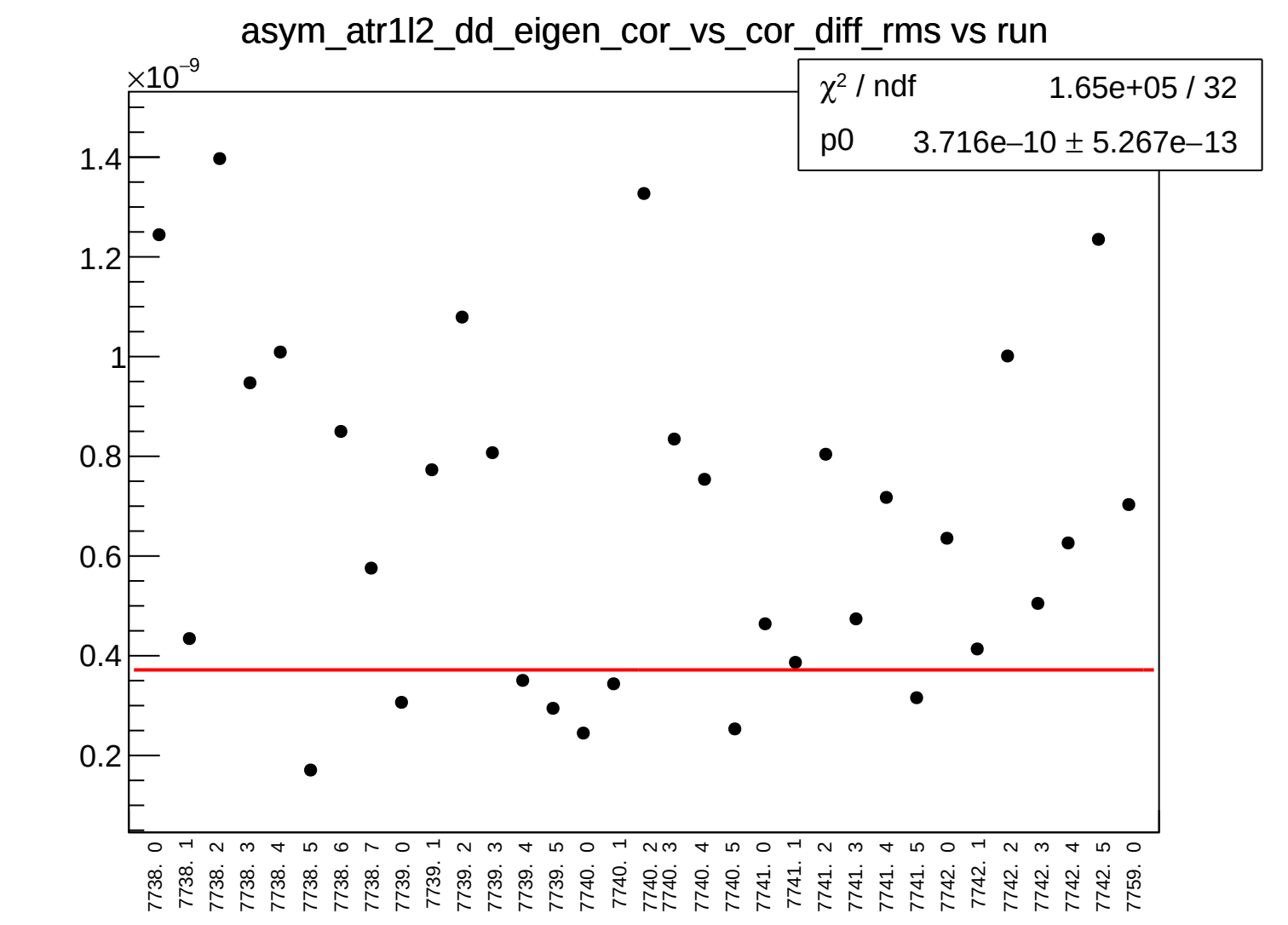

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.524e+04 / 32
p0 127.4 ± 0.1648
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

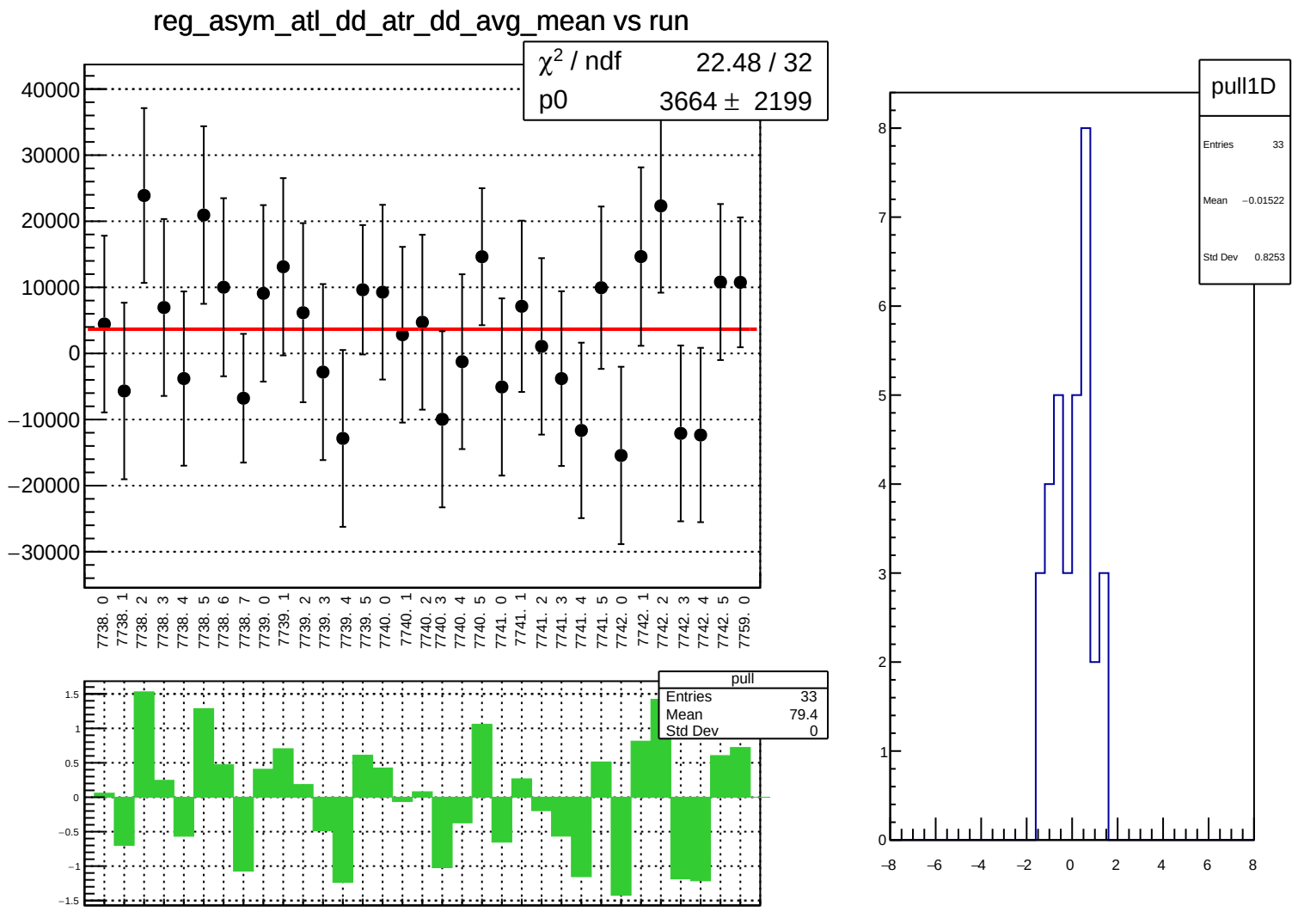

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.5 / 32
p0 0.2017 ± 0.2331
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 53.79
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02665
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

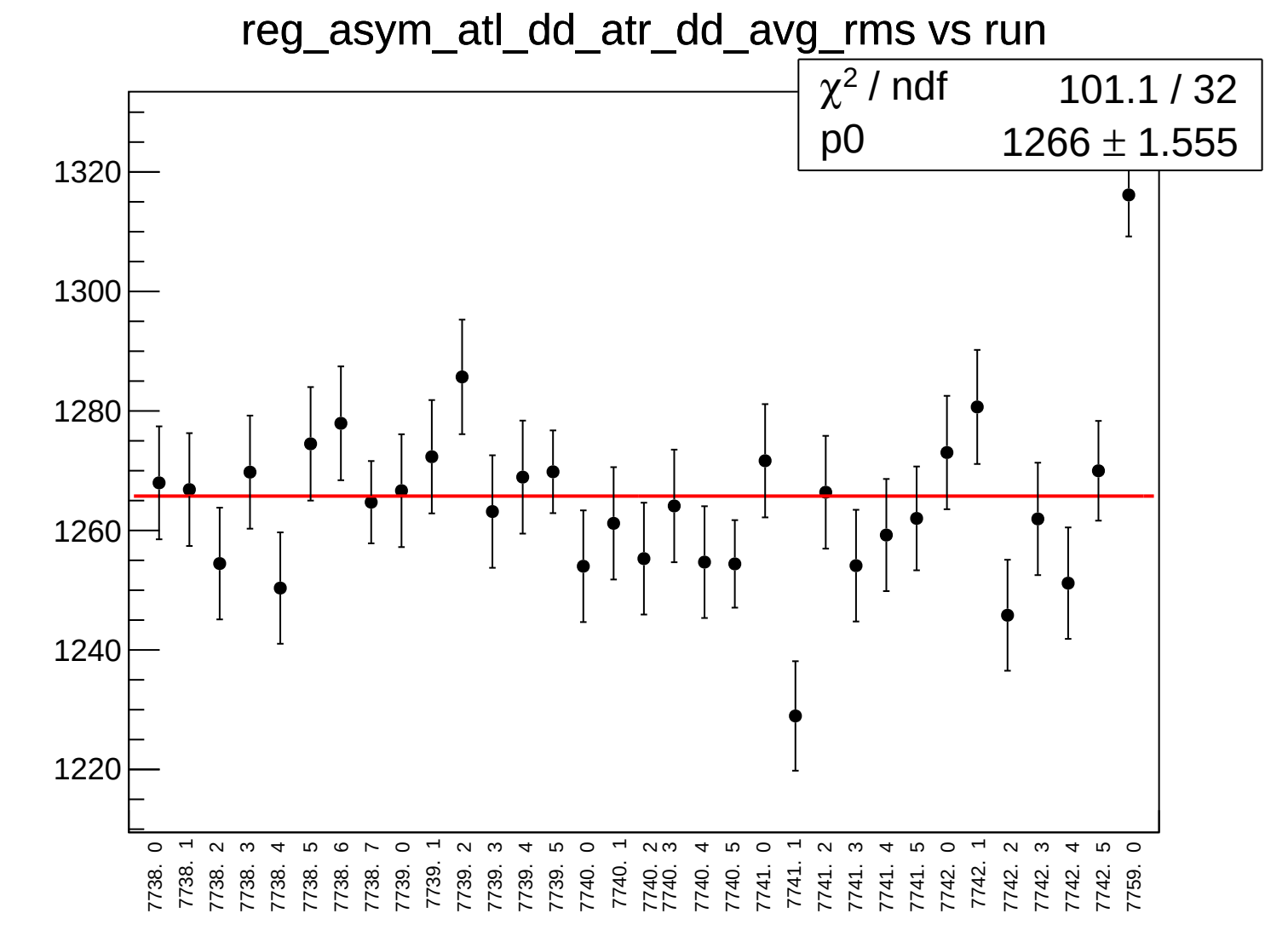

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.524e+04 / 32
p0 127.4 ± 0.1648
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

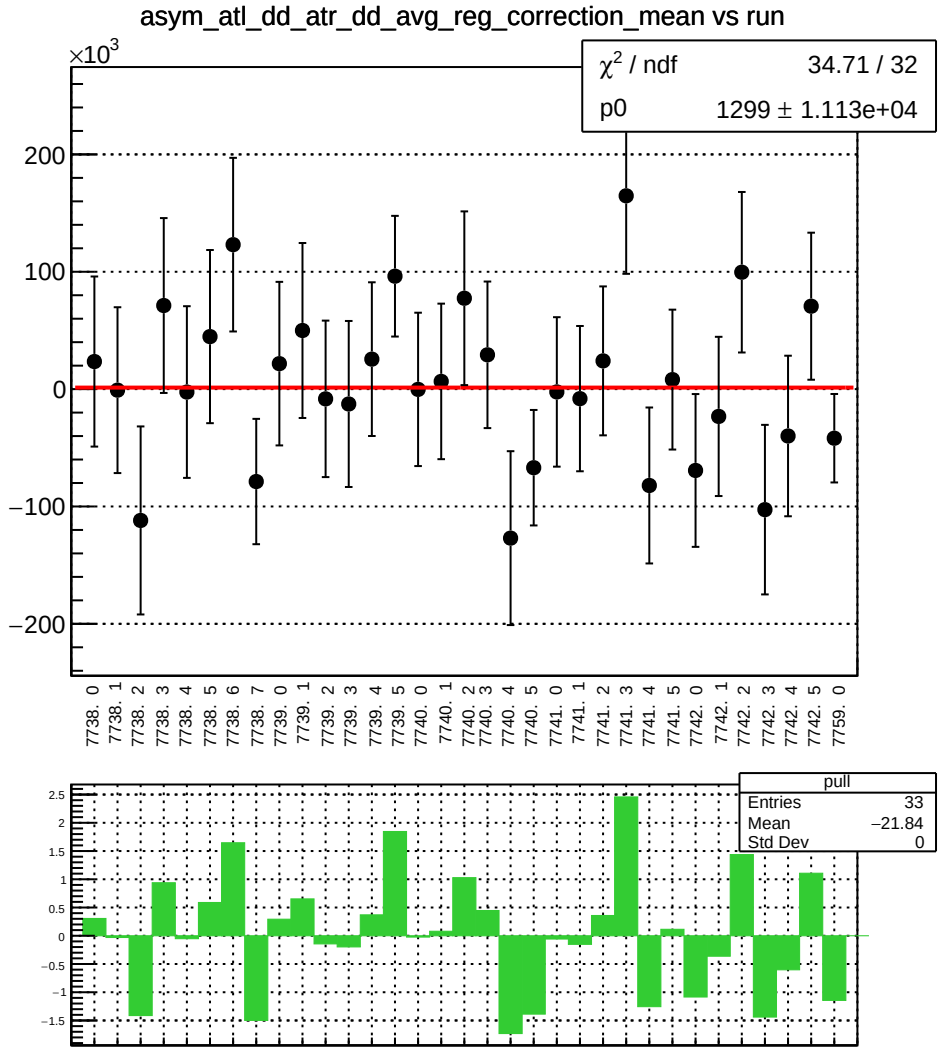

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.26 / 32
p0 4.238e−15 ± 7.449e−13
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 82.66
Std Dev 0
2
1
0
−1
−2

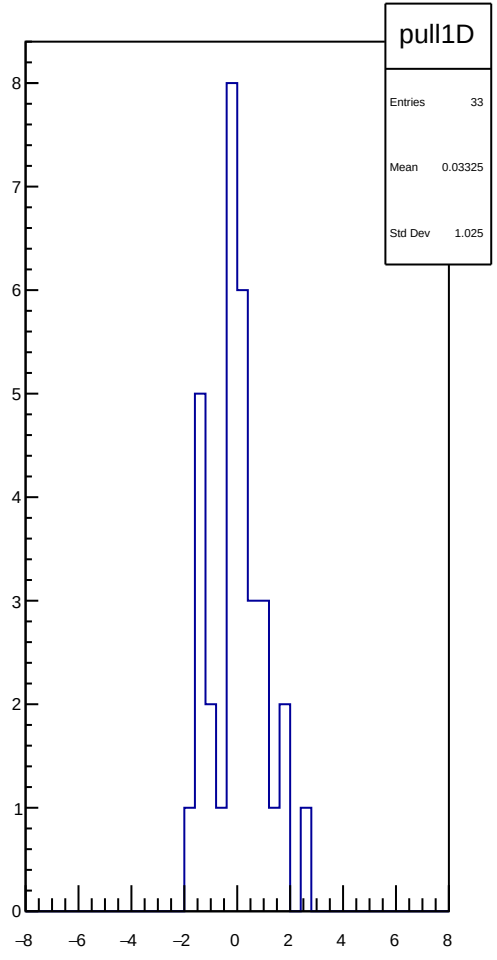

pull1D
Entries 33
Mean −0.01218
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

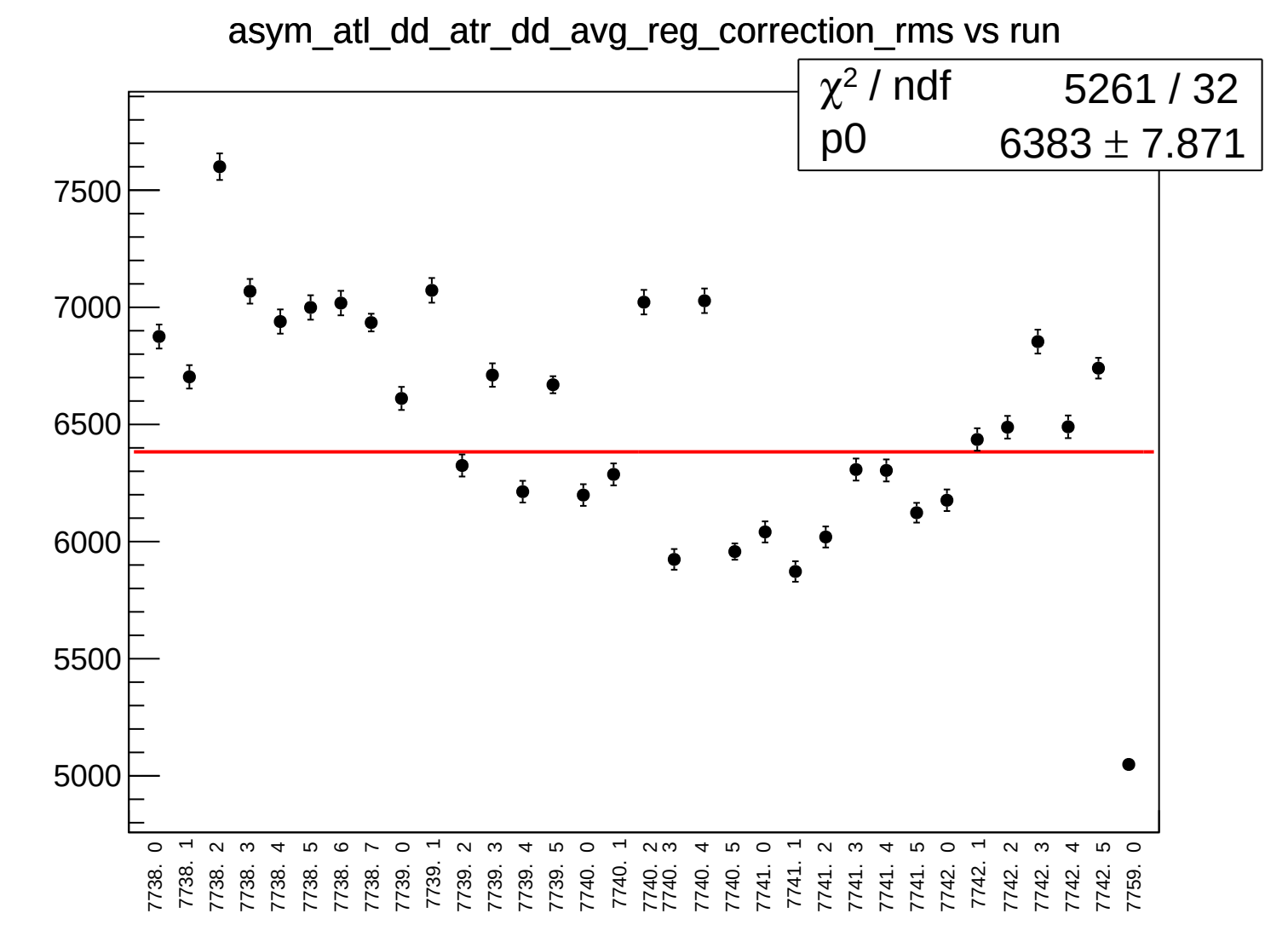

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.65e+05 / 32
p0 3.716e−10 ± 5.267e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

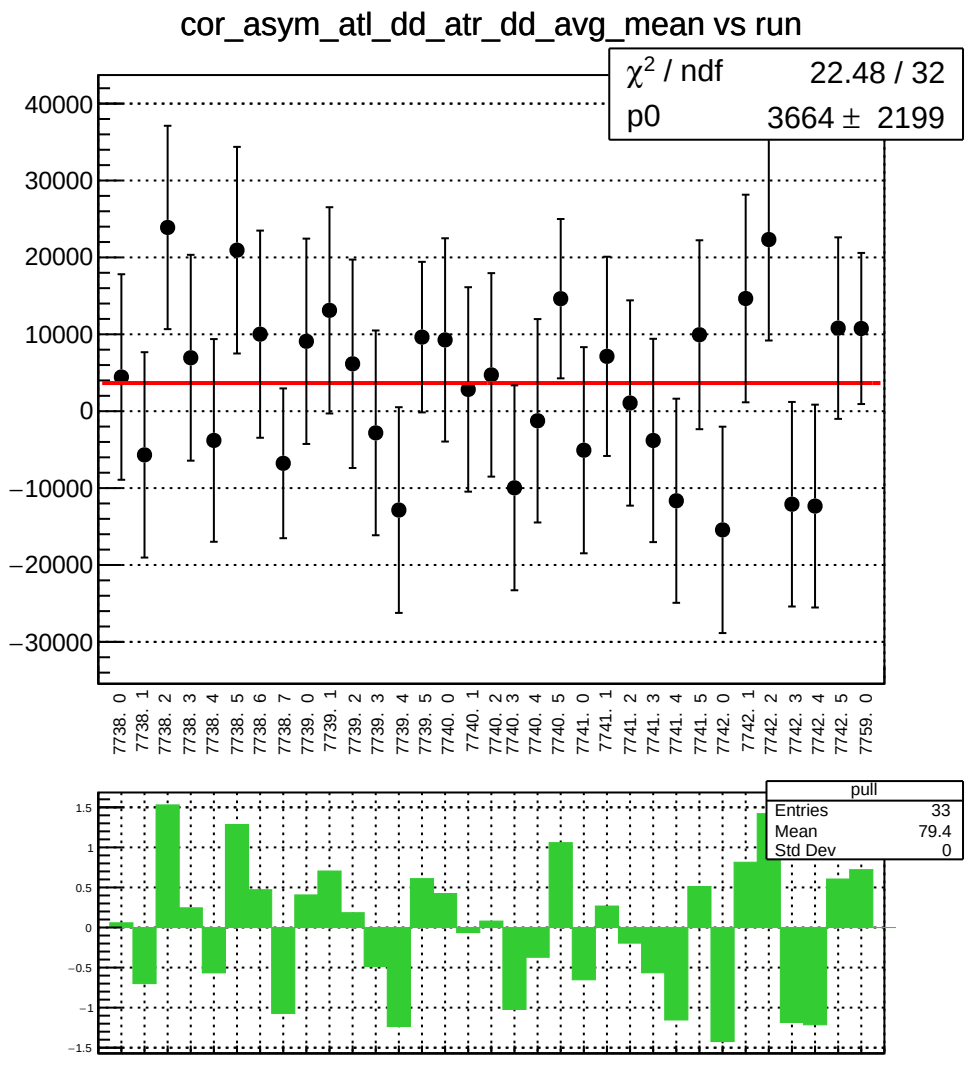

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

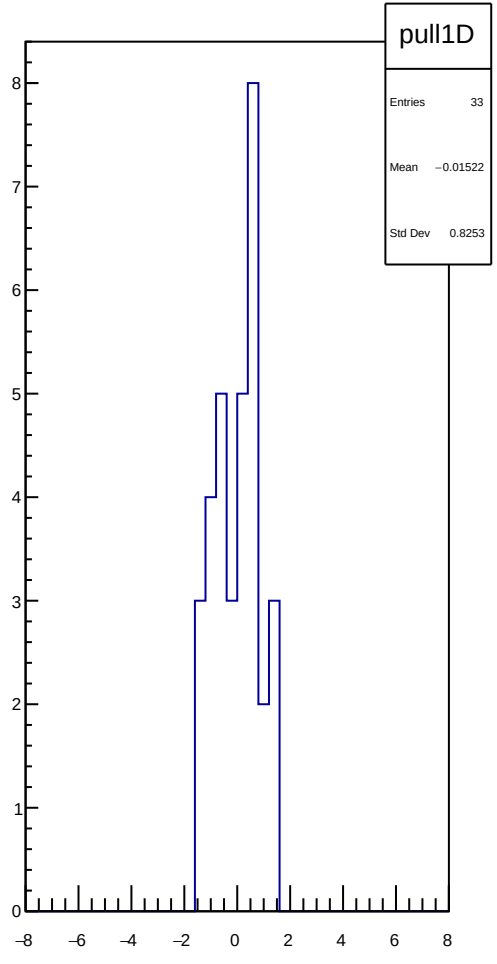

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

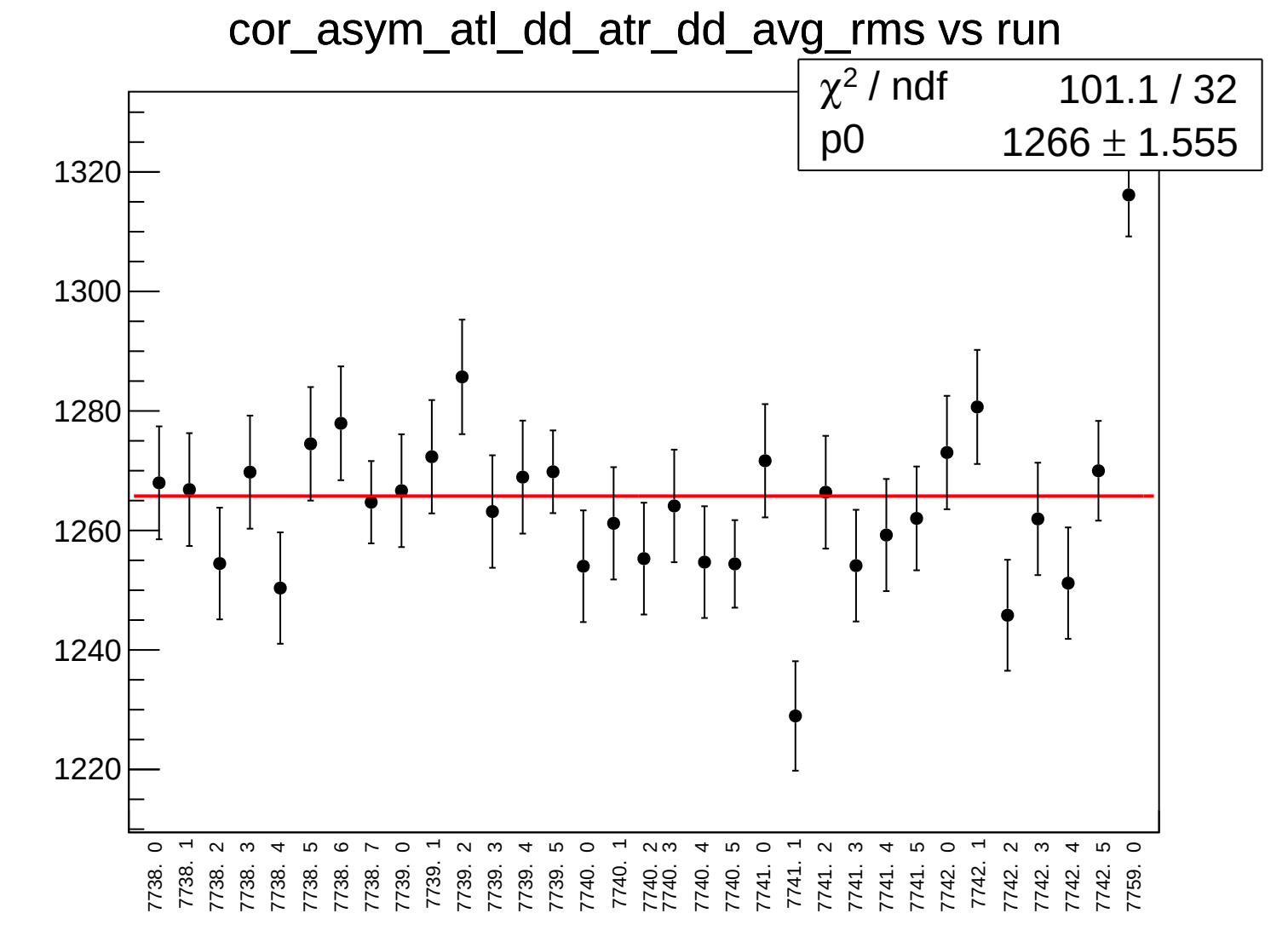

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.84
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

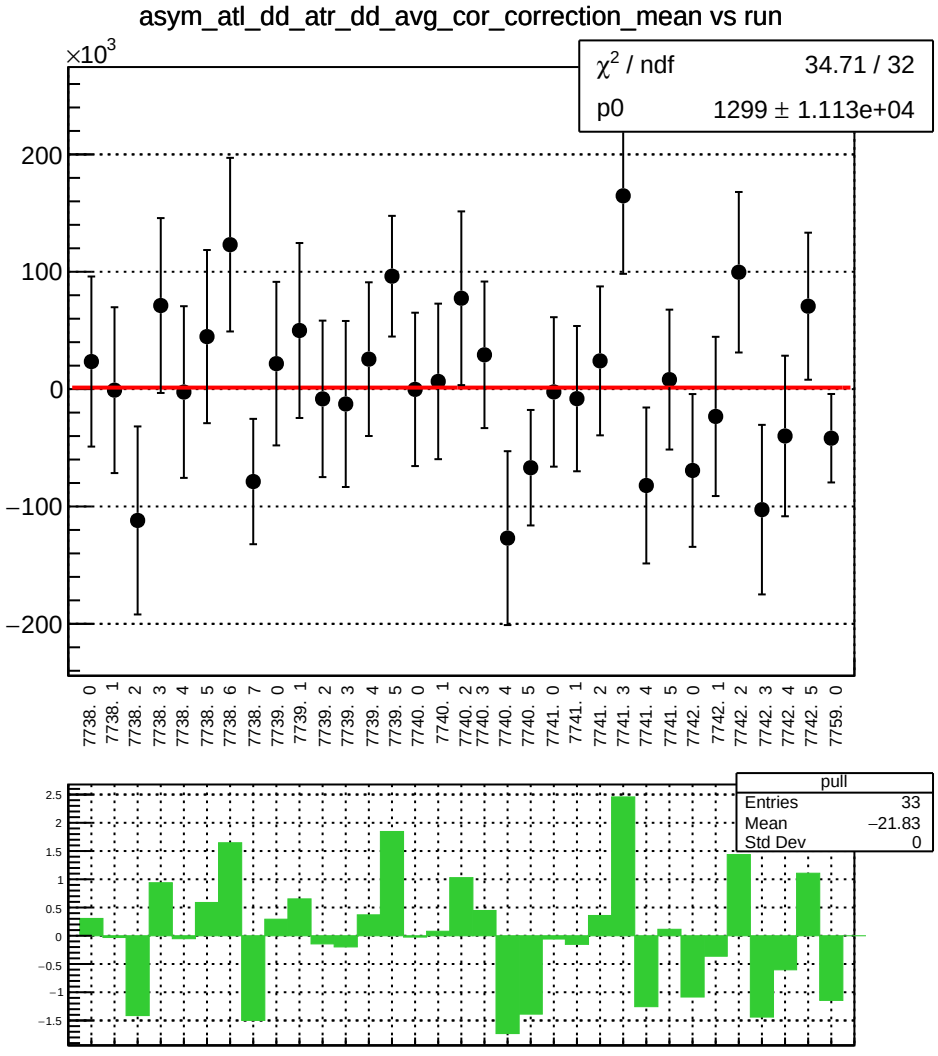

pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

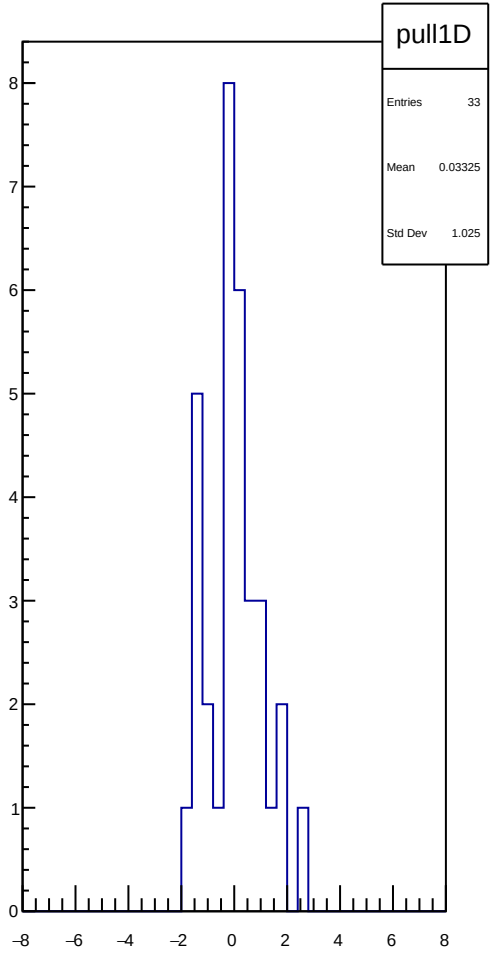

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

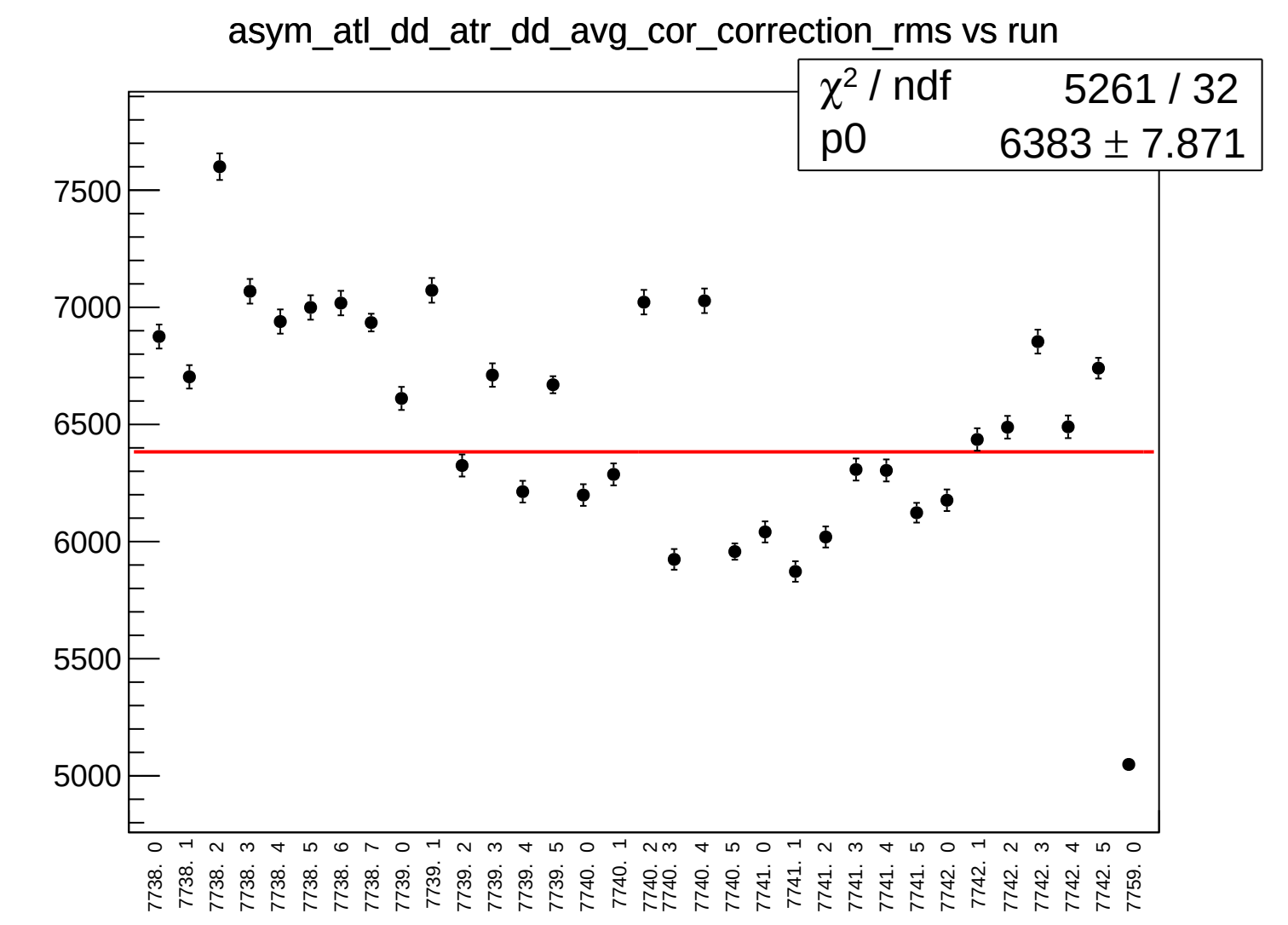

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

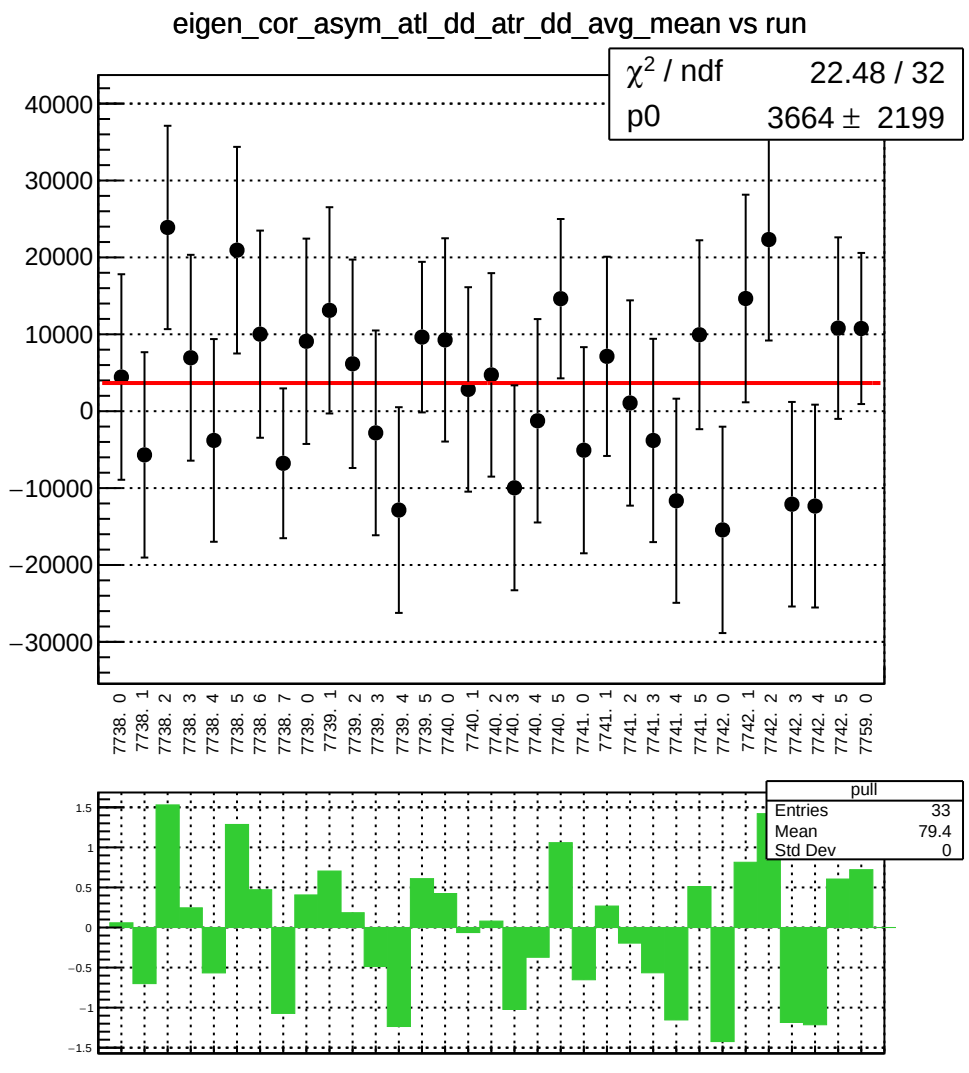

pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

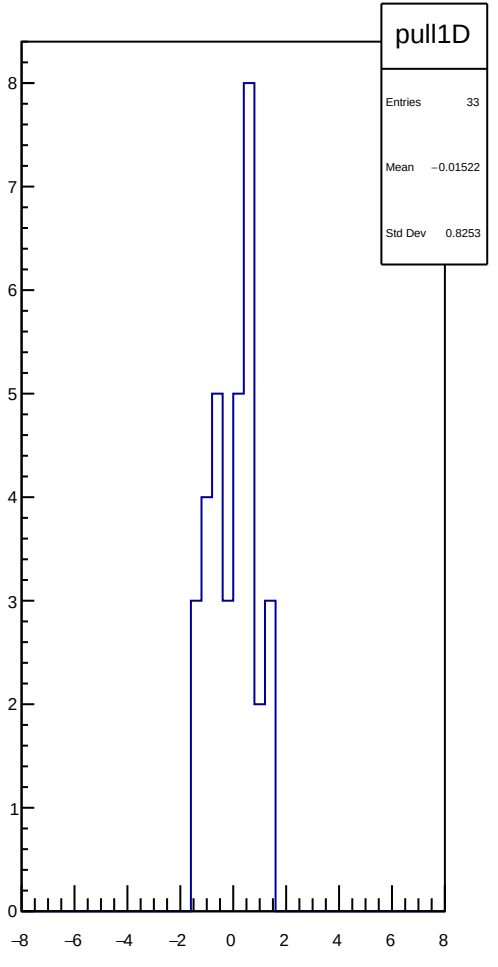

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

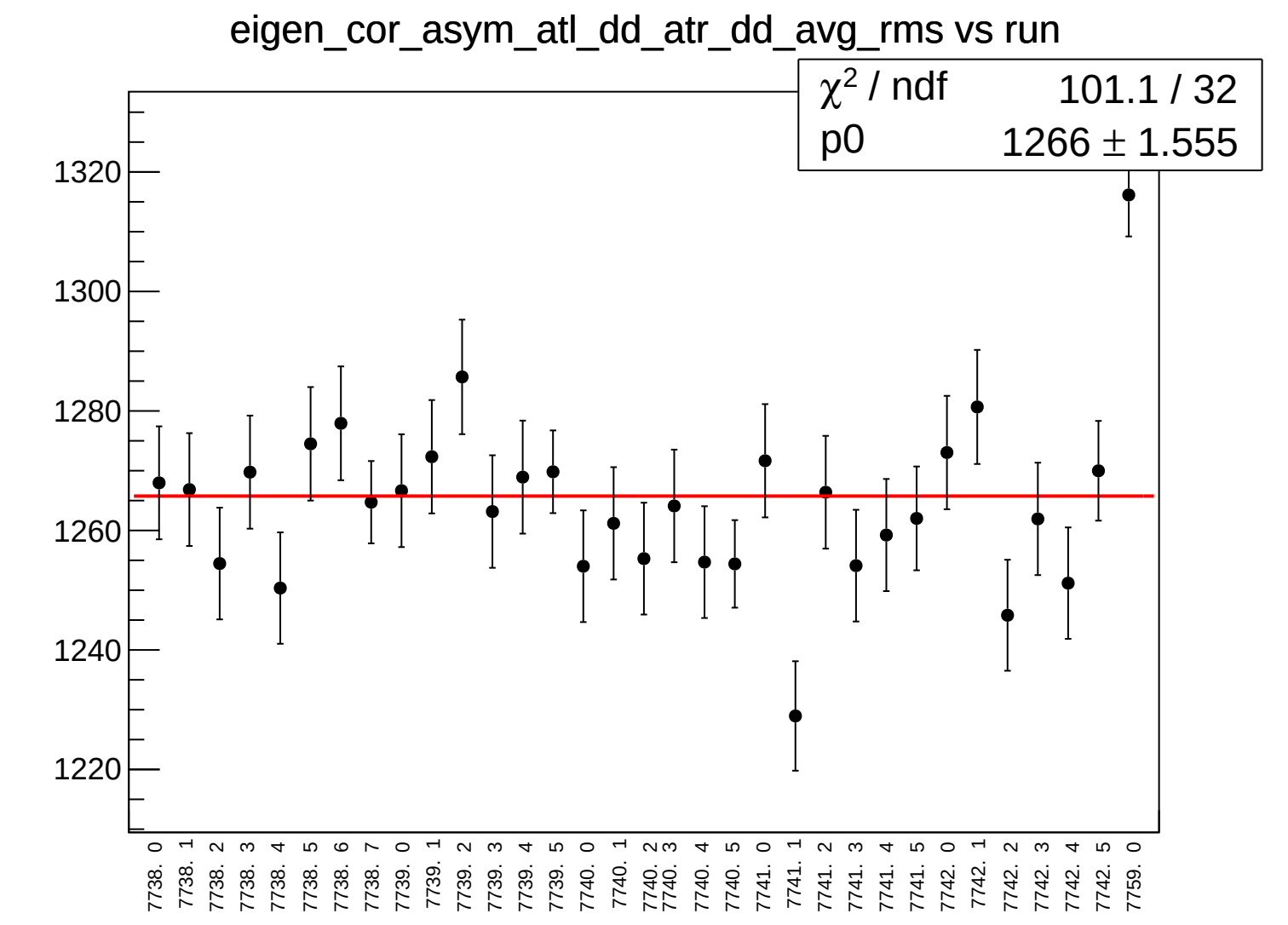

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

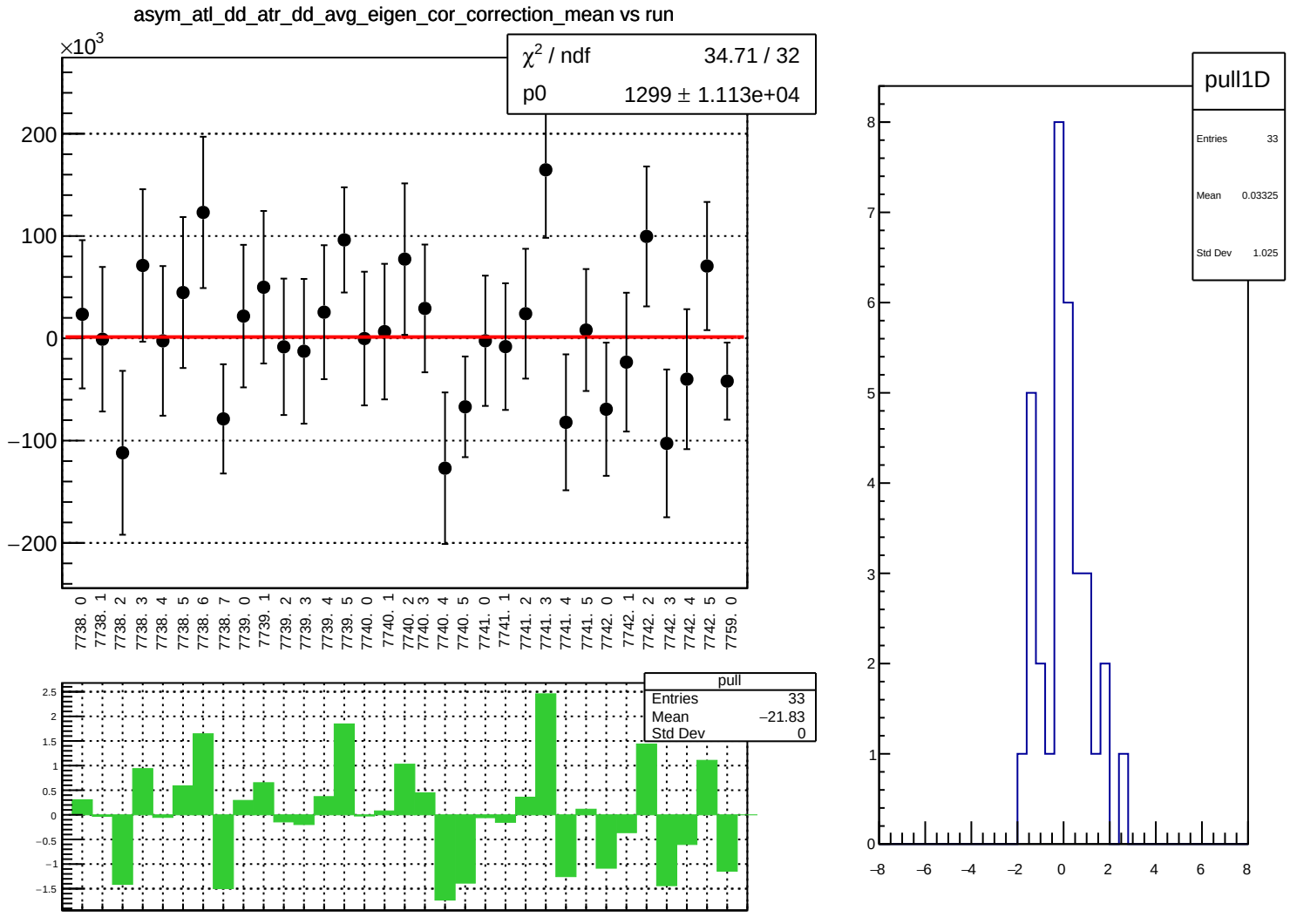

pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

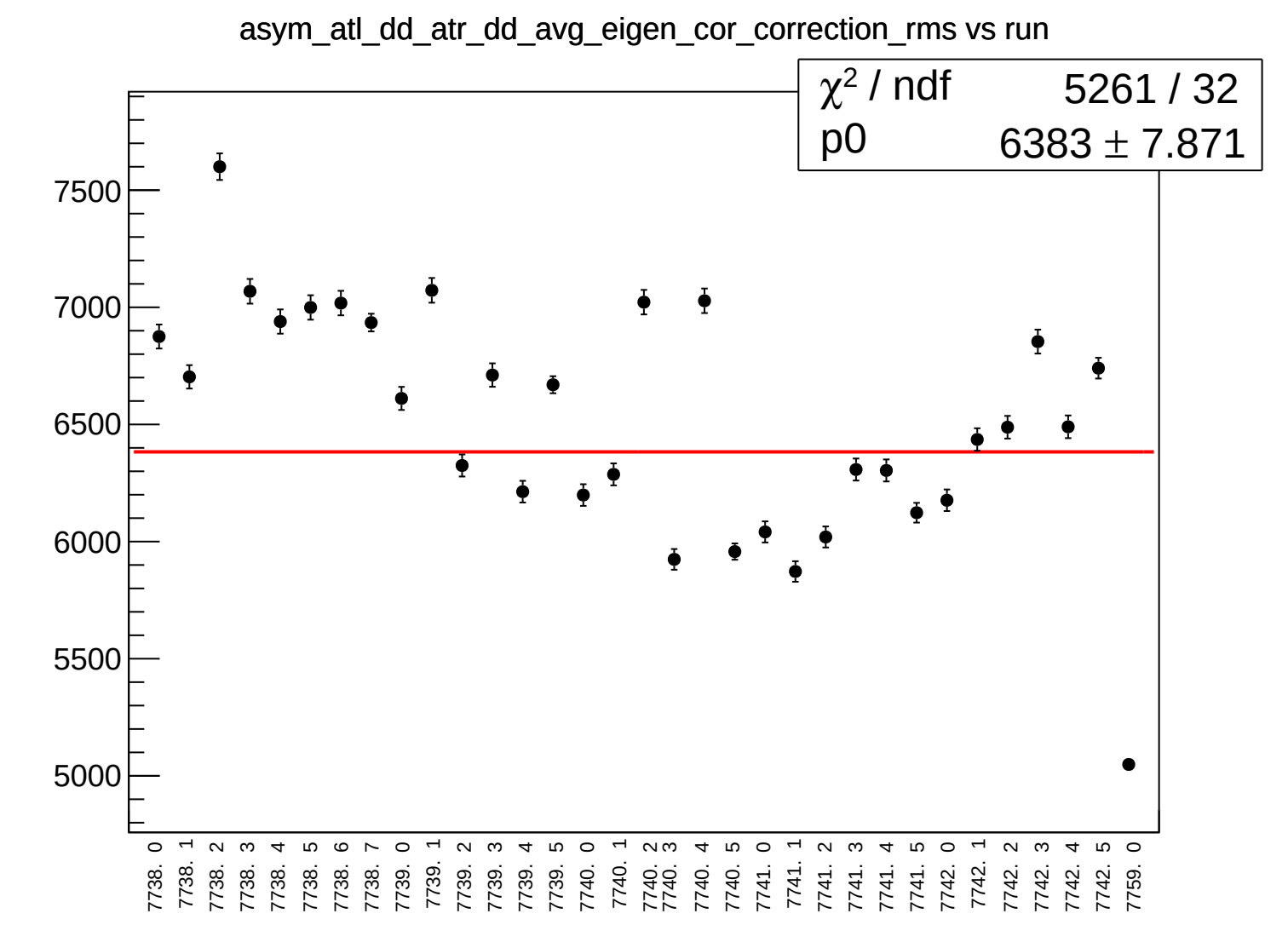

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

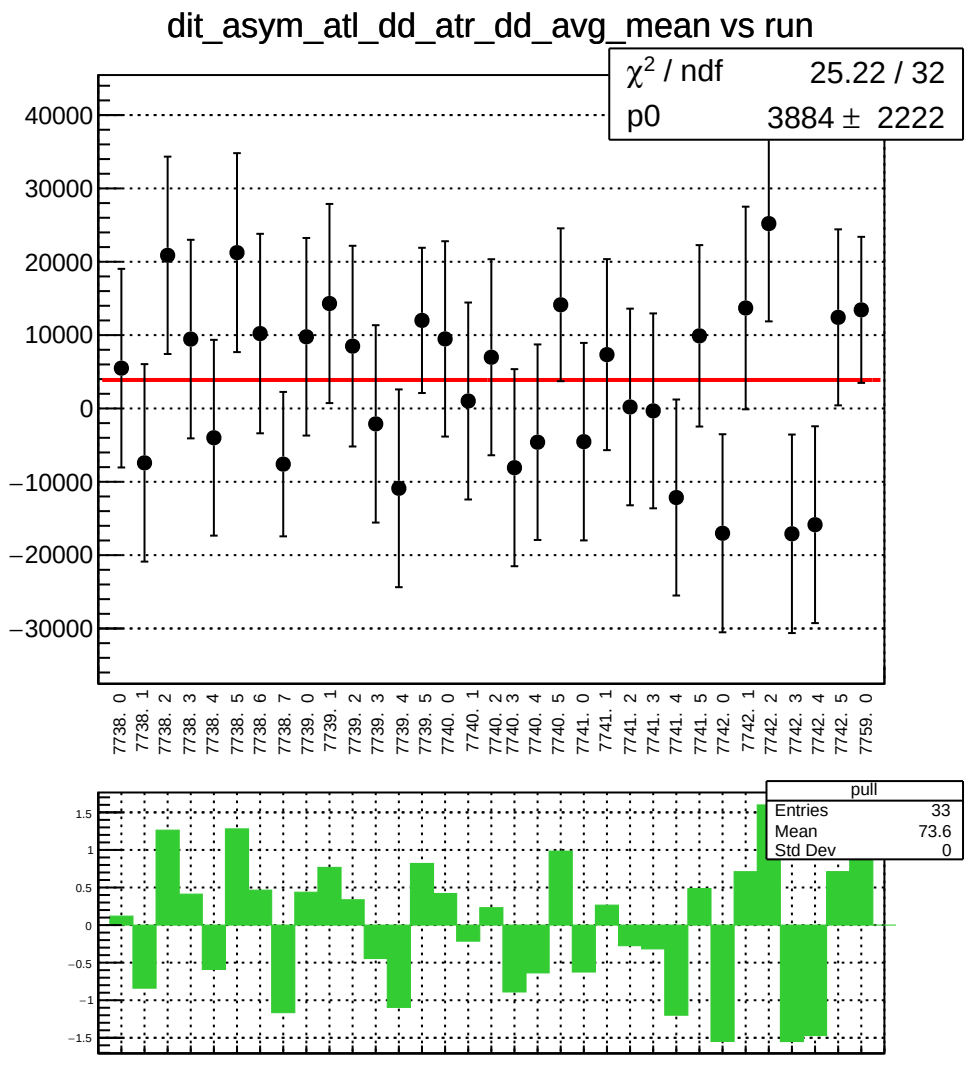

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

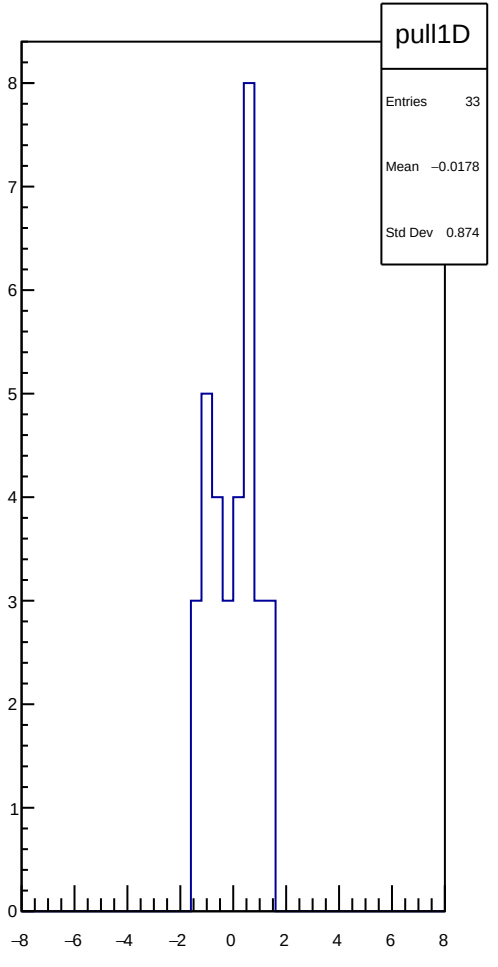

pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

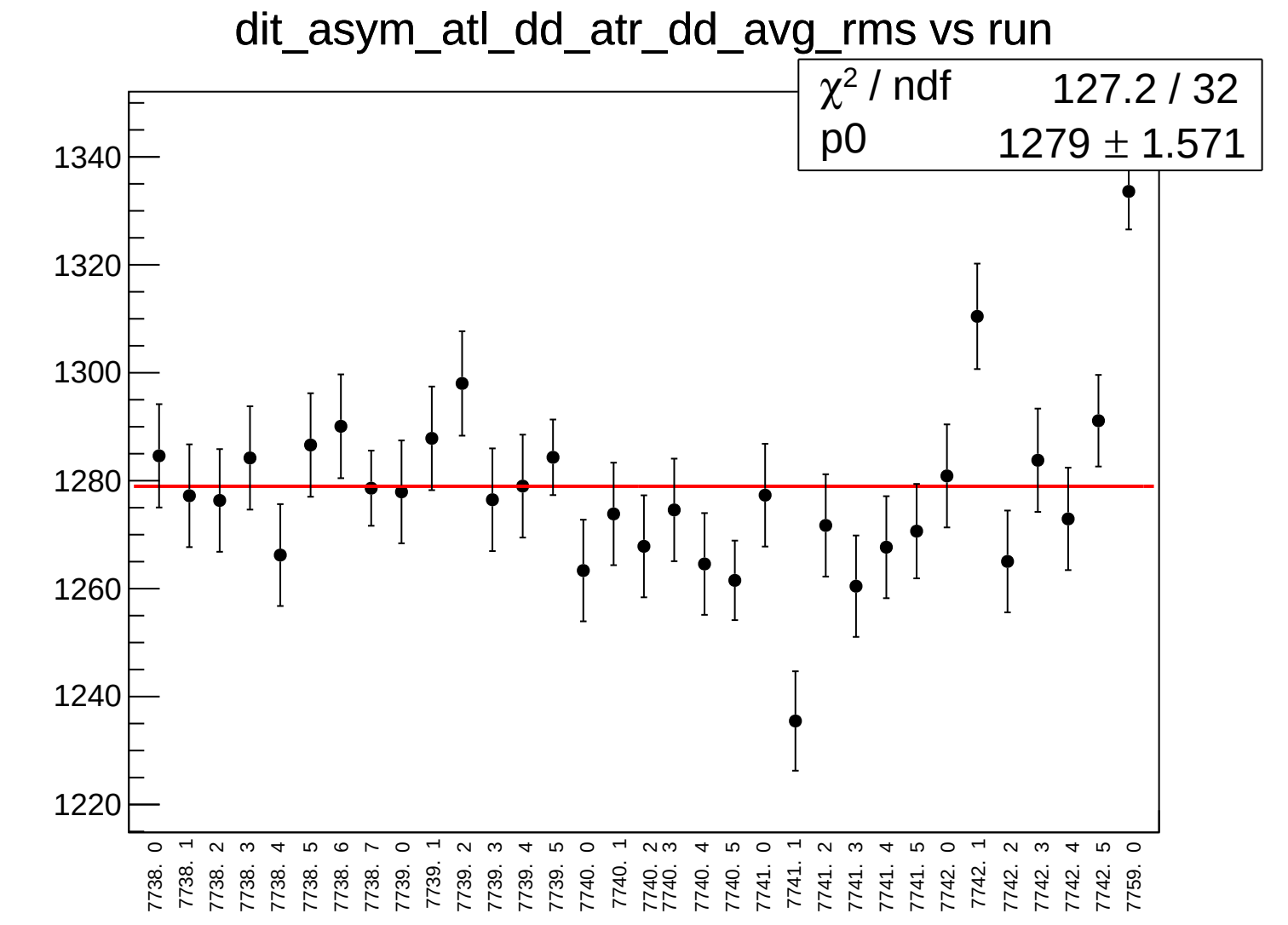

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

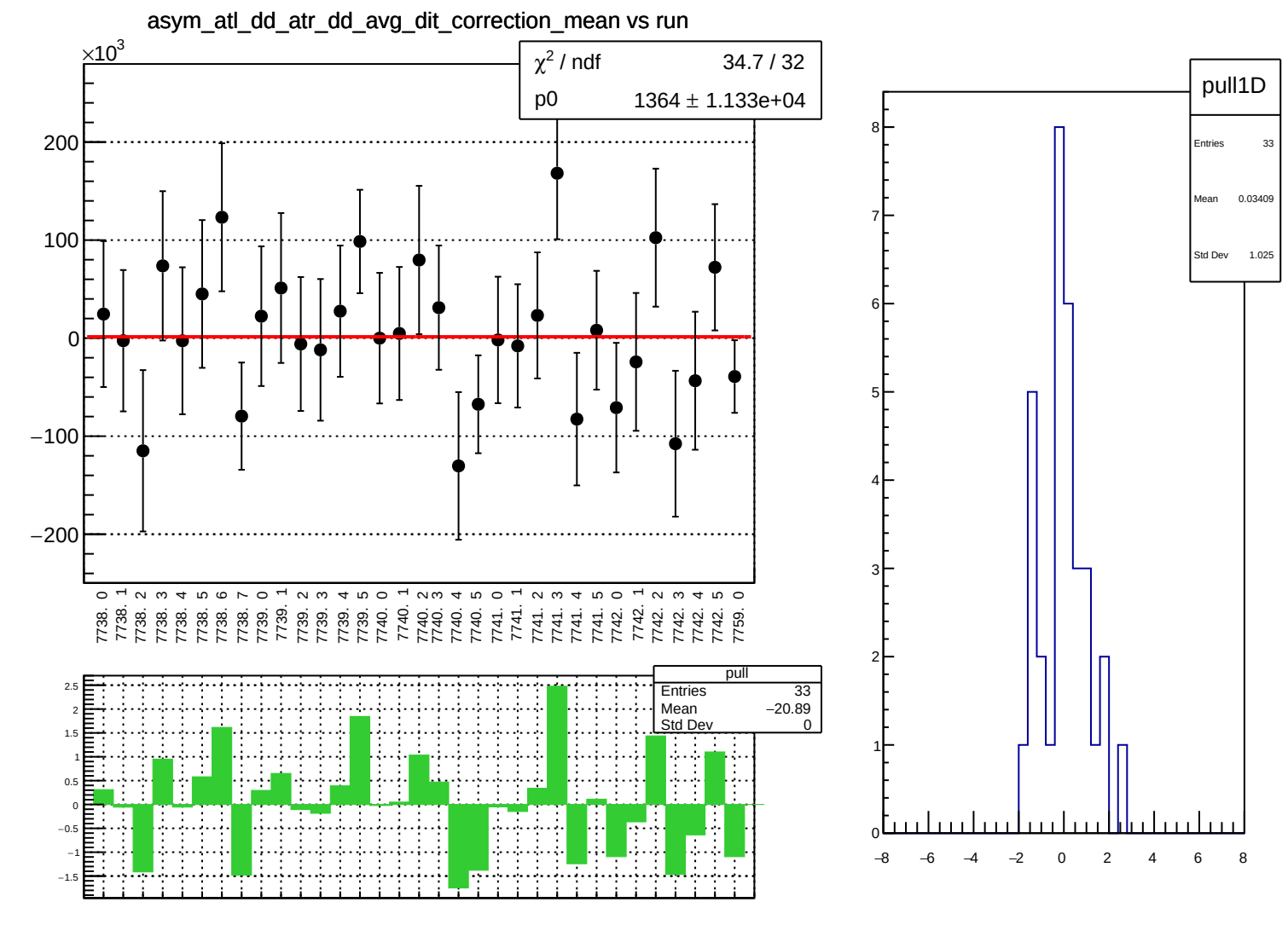

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

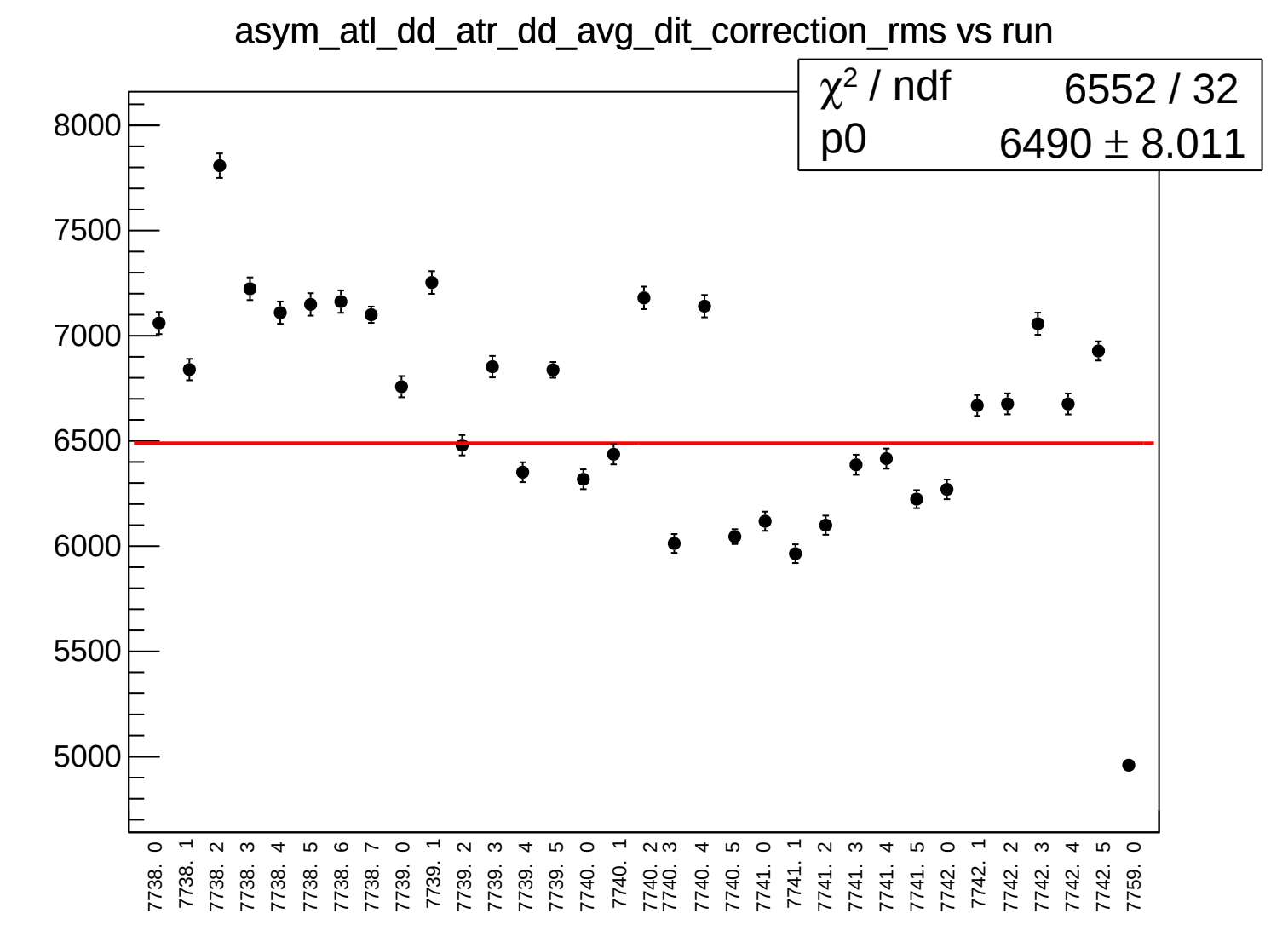

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

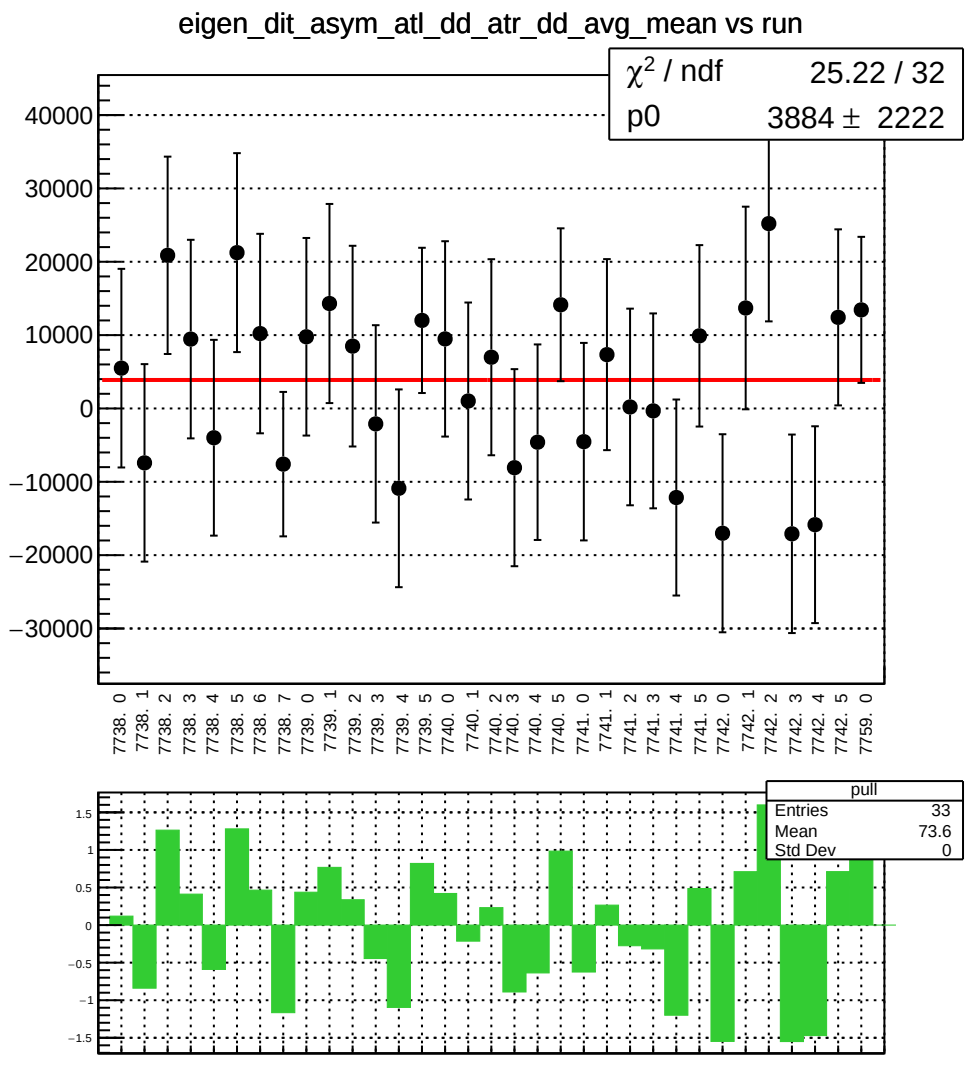

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 25.22 / 32
p0 3884 ± 2222
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

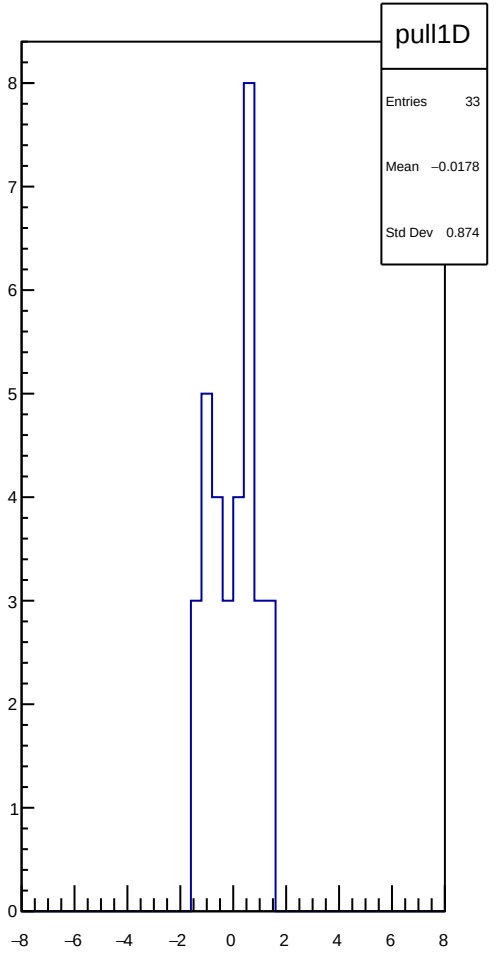

pull1D
Entries 33
Mean −0.0178
Std Dev 0.874
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

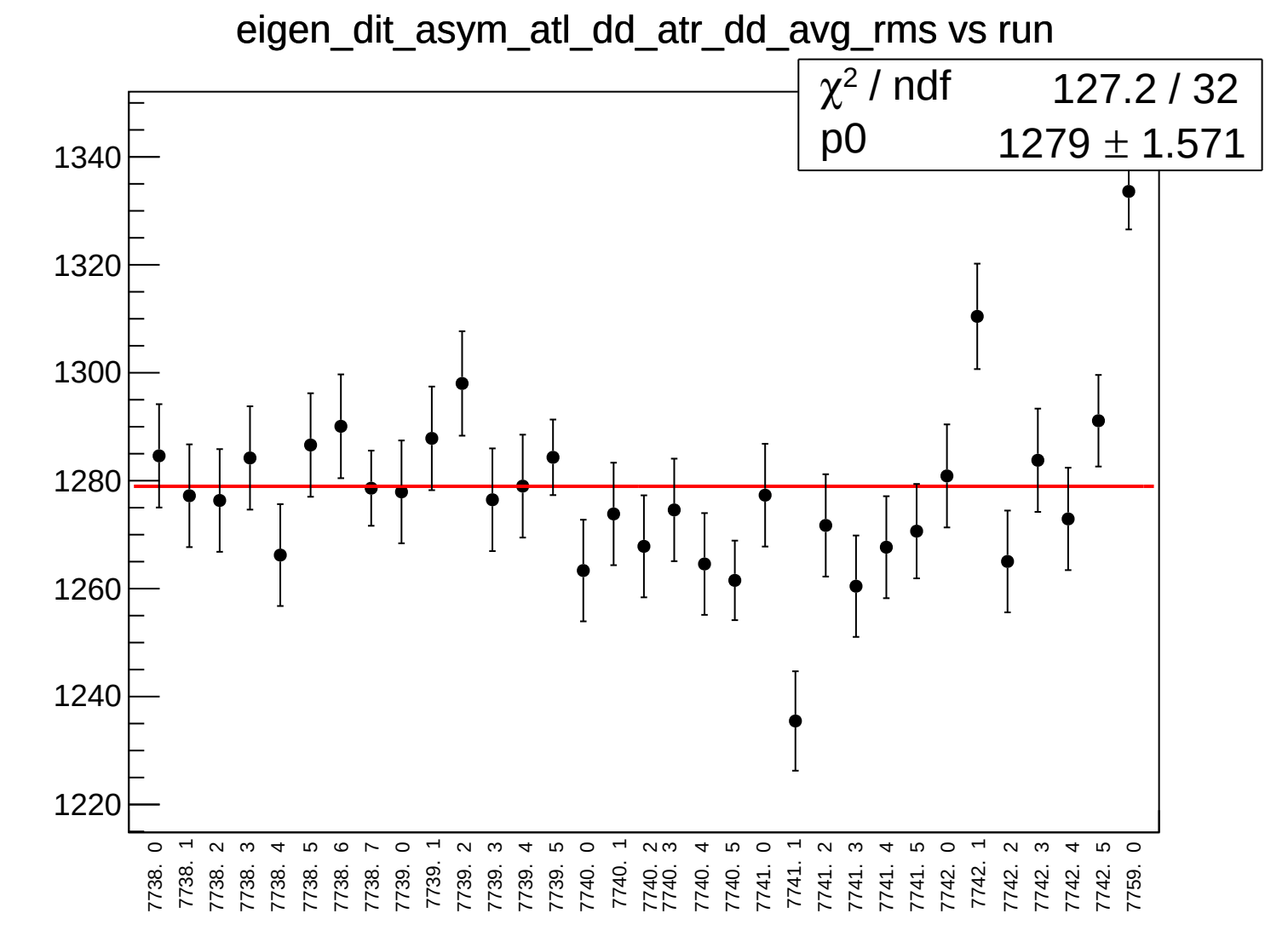

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 127.2 / 32
p0 1279 ± 1.571
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

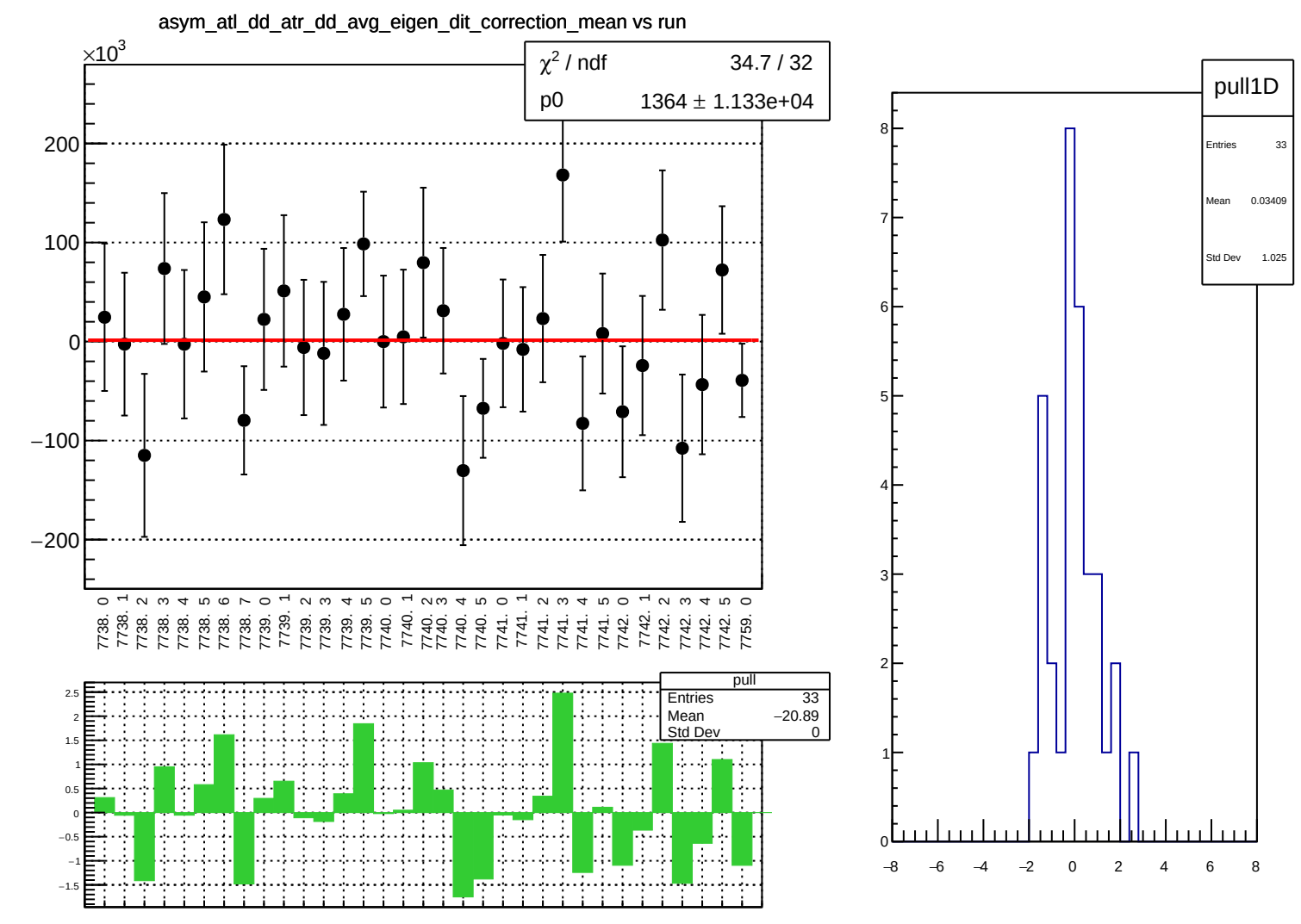

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.7 / 32
p0 1364 ± 1.133e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.89
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03409
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

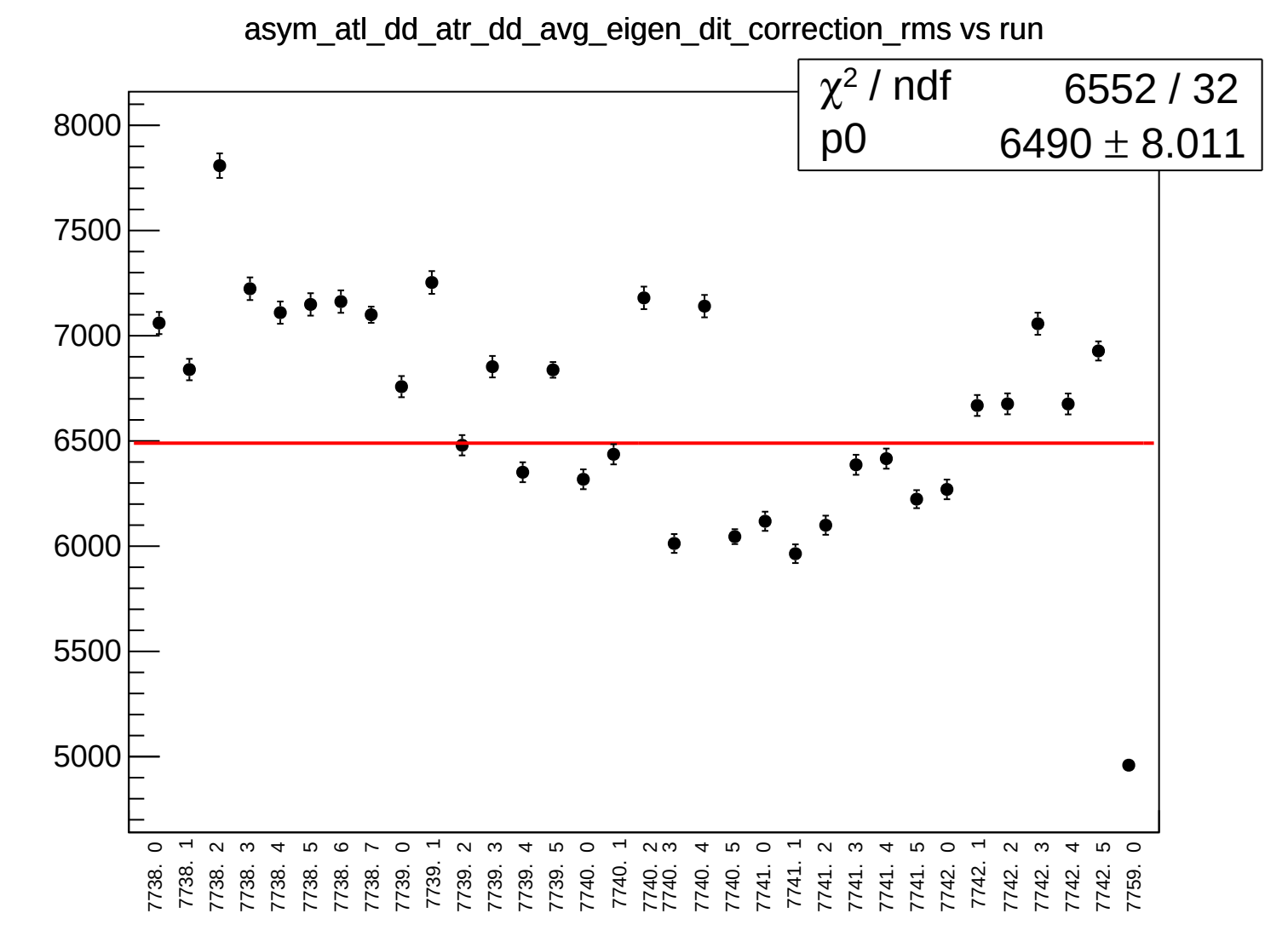

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 6552 / 32
p0 6490 ± 8.011
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

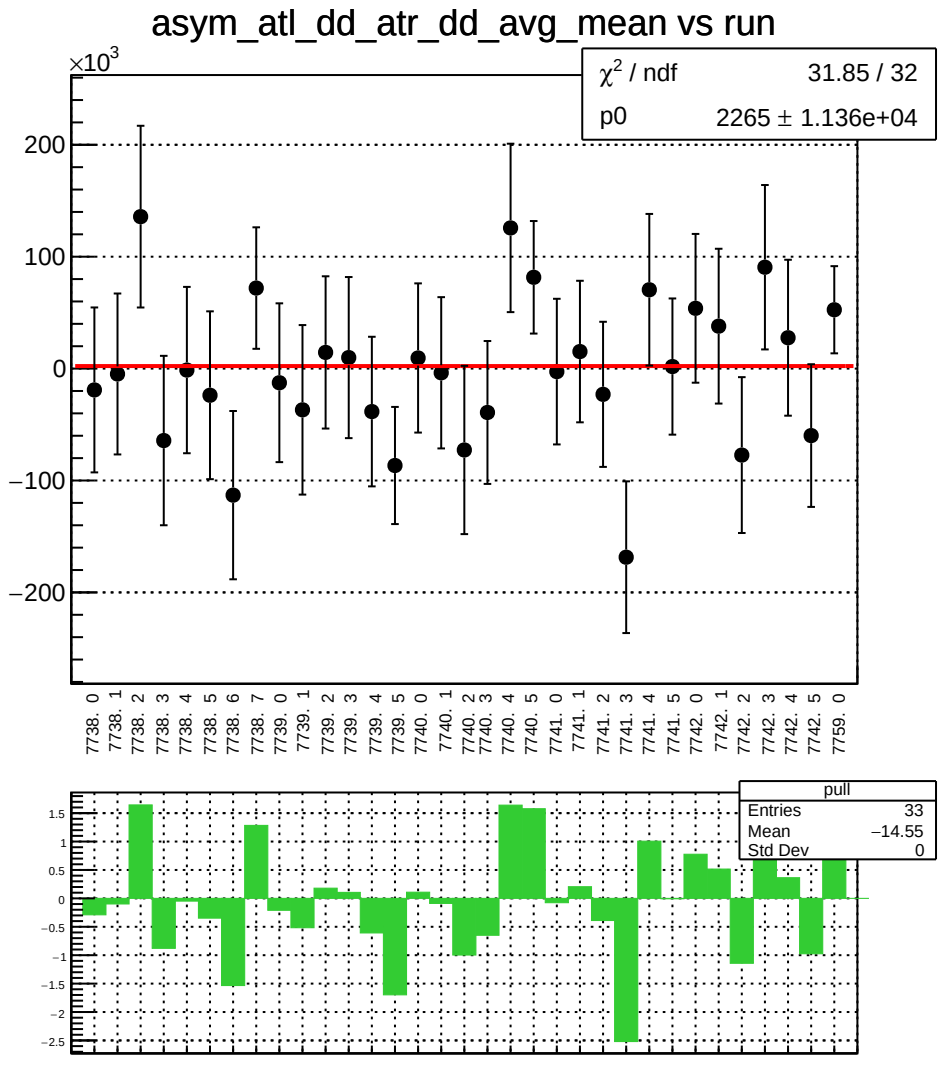

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 25.22 / 32
p0 3884 ± 2222
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

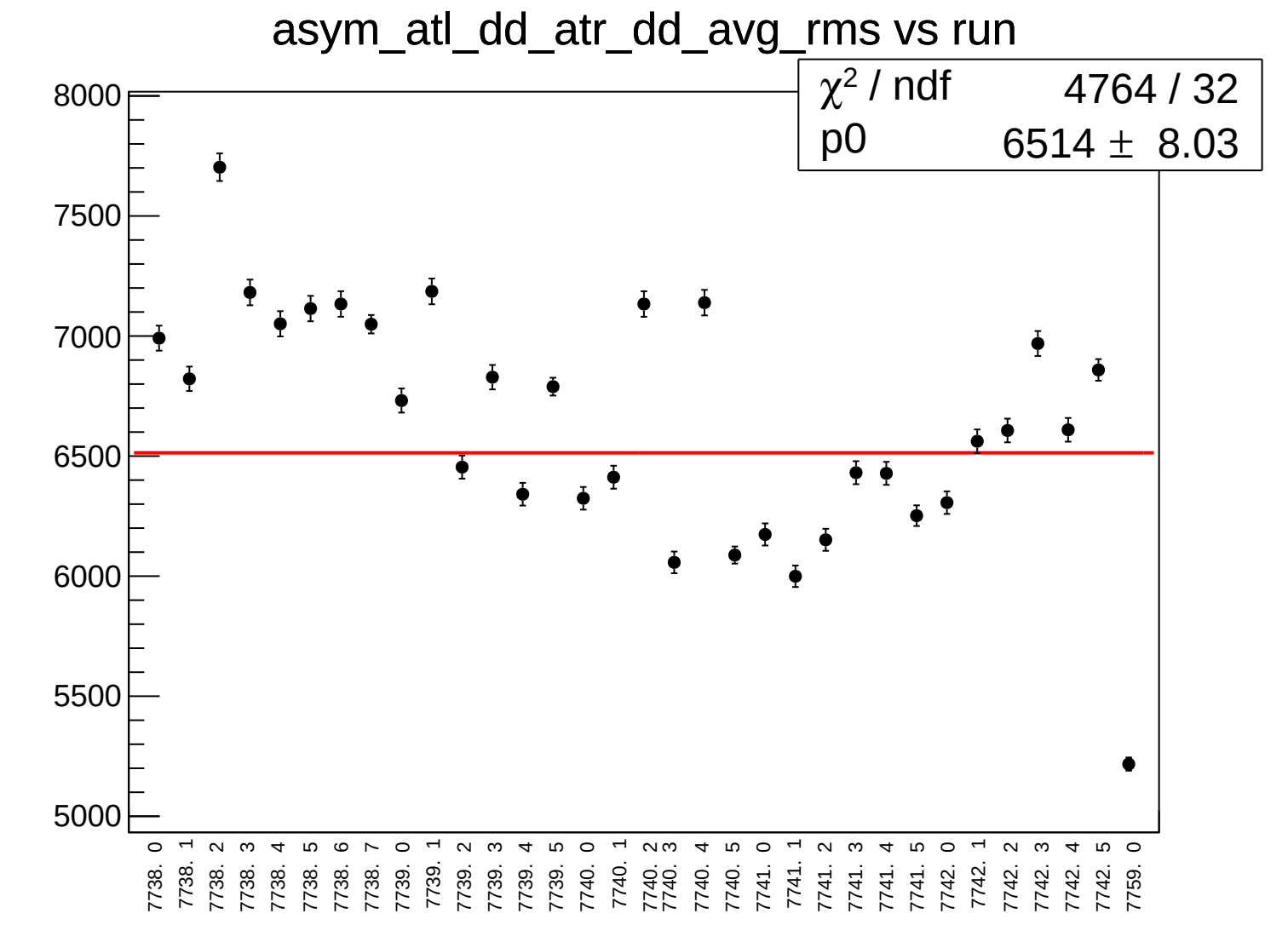

pull1D
Entries 33
Mean −0.0178
Std Dev 0.874
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

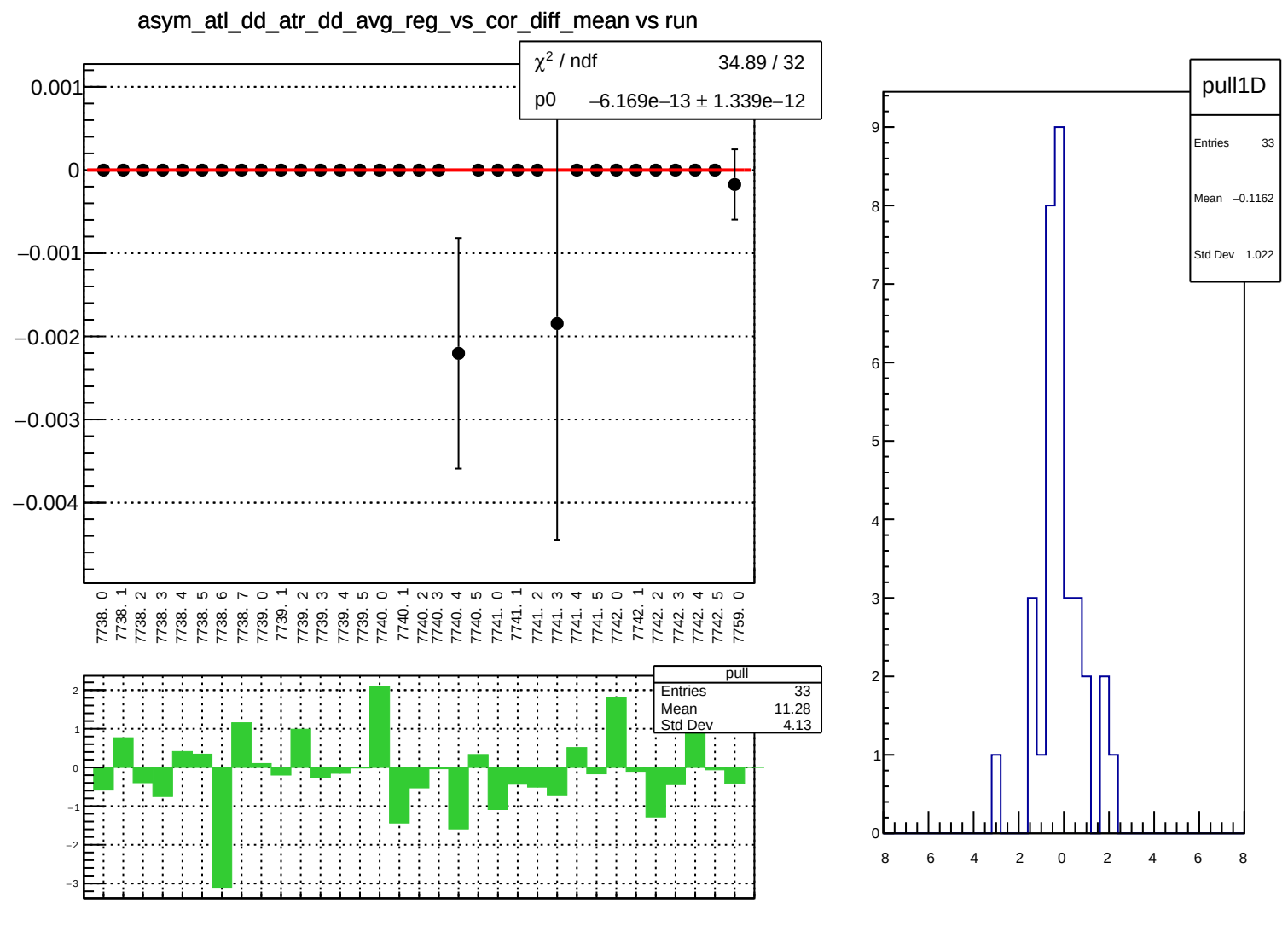

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 127.2 / 32
p0 1279 ± 1.571
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

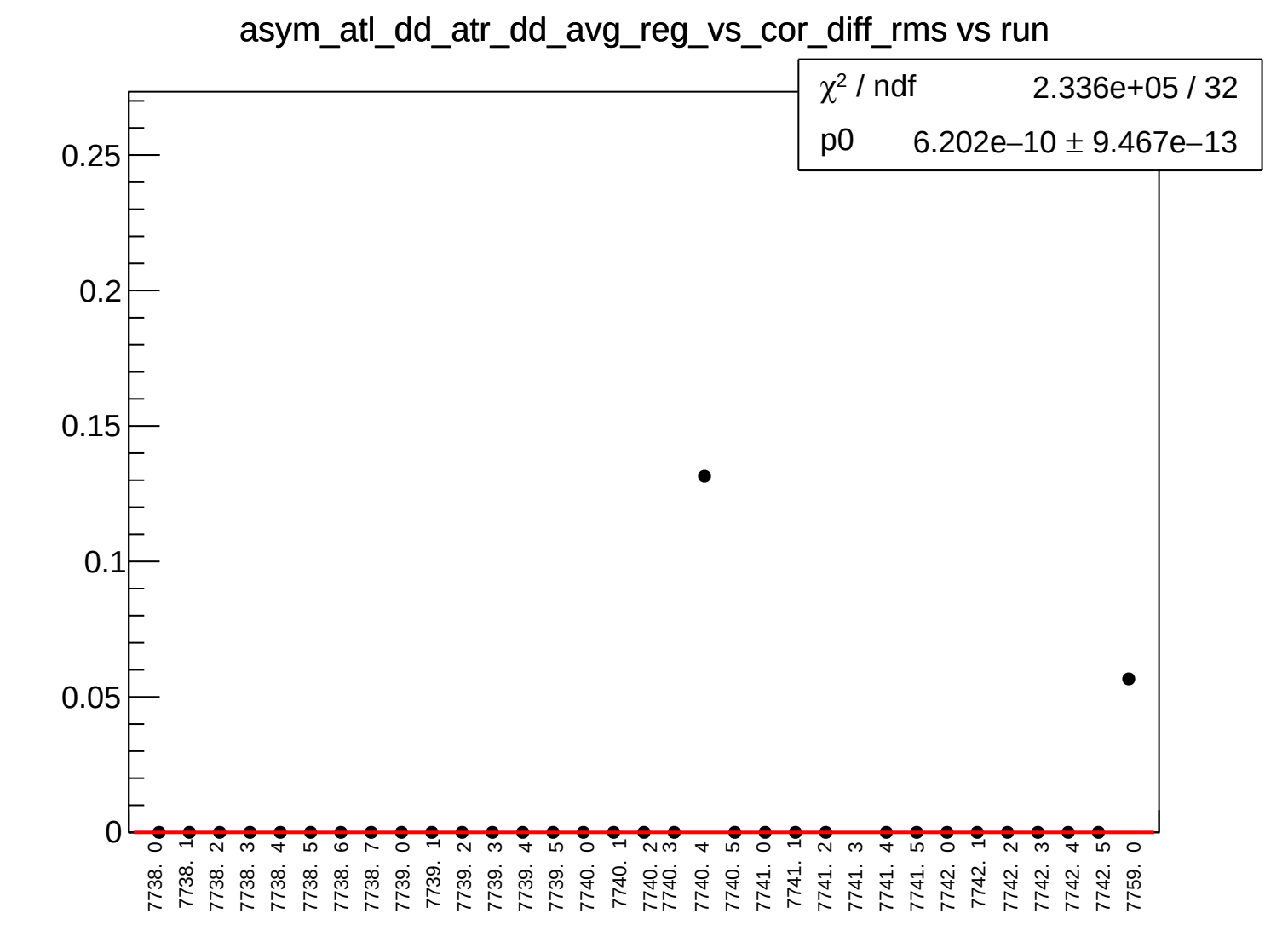

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.7 / 32
p0 1364 ± 1.133e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.89
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03409
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

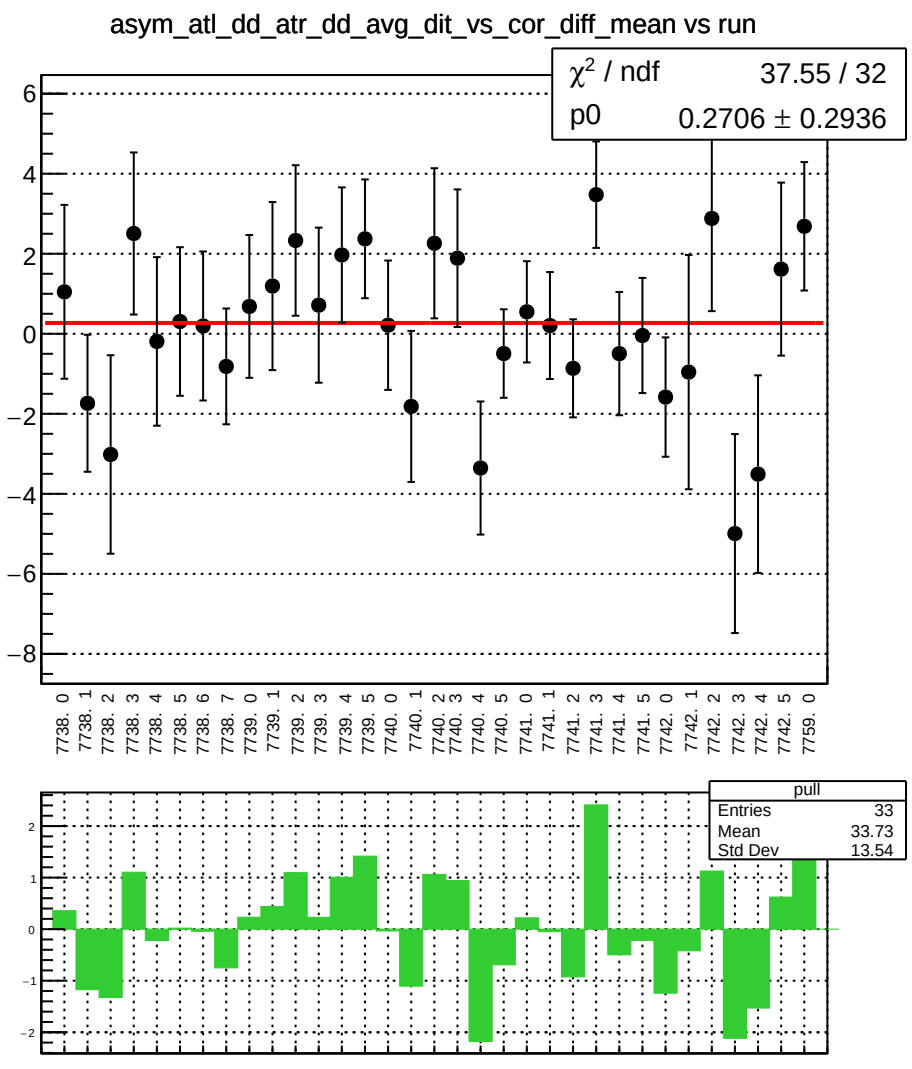

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6552 / 32
p0 6490 ± 8.011
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

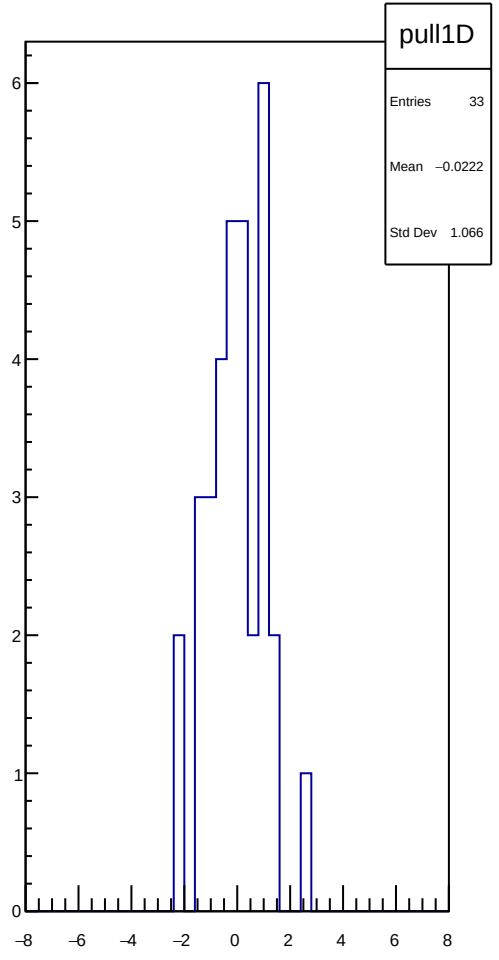

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 31.85 / 32
p0 2265 ± 1.136e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03551
Std Dev 0.9818
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

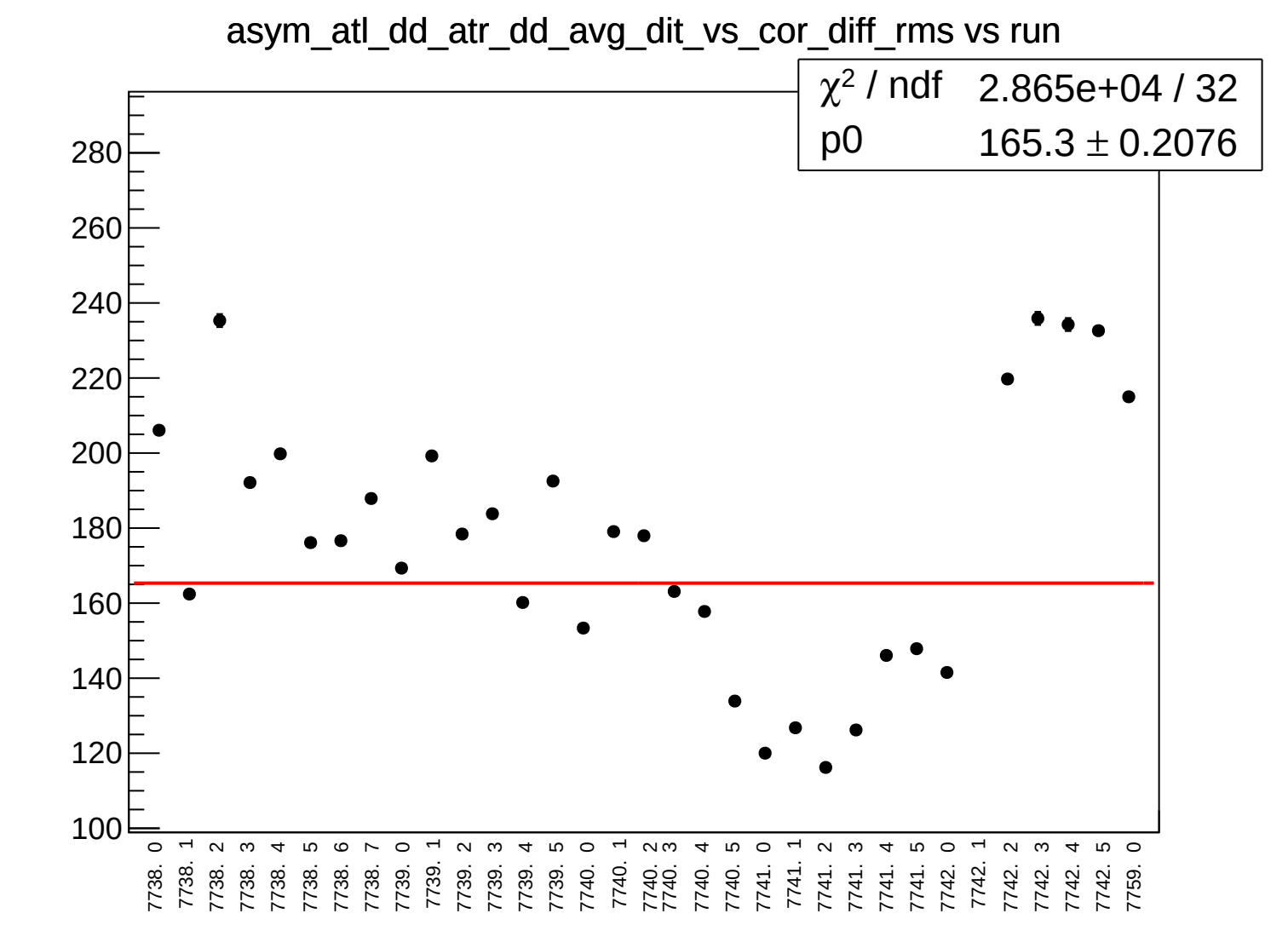

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4764 / 32
p0 6514 ± 8.03
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

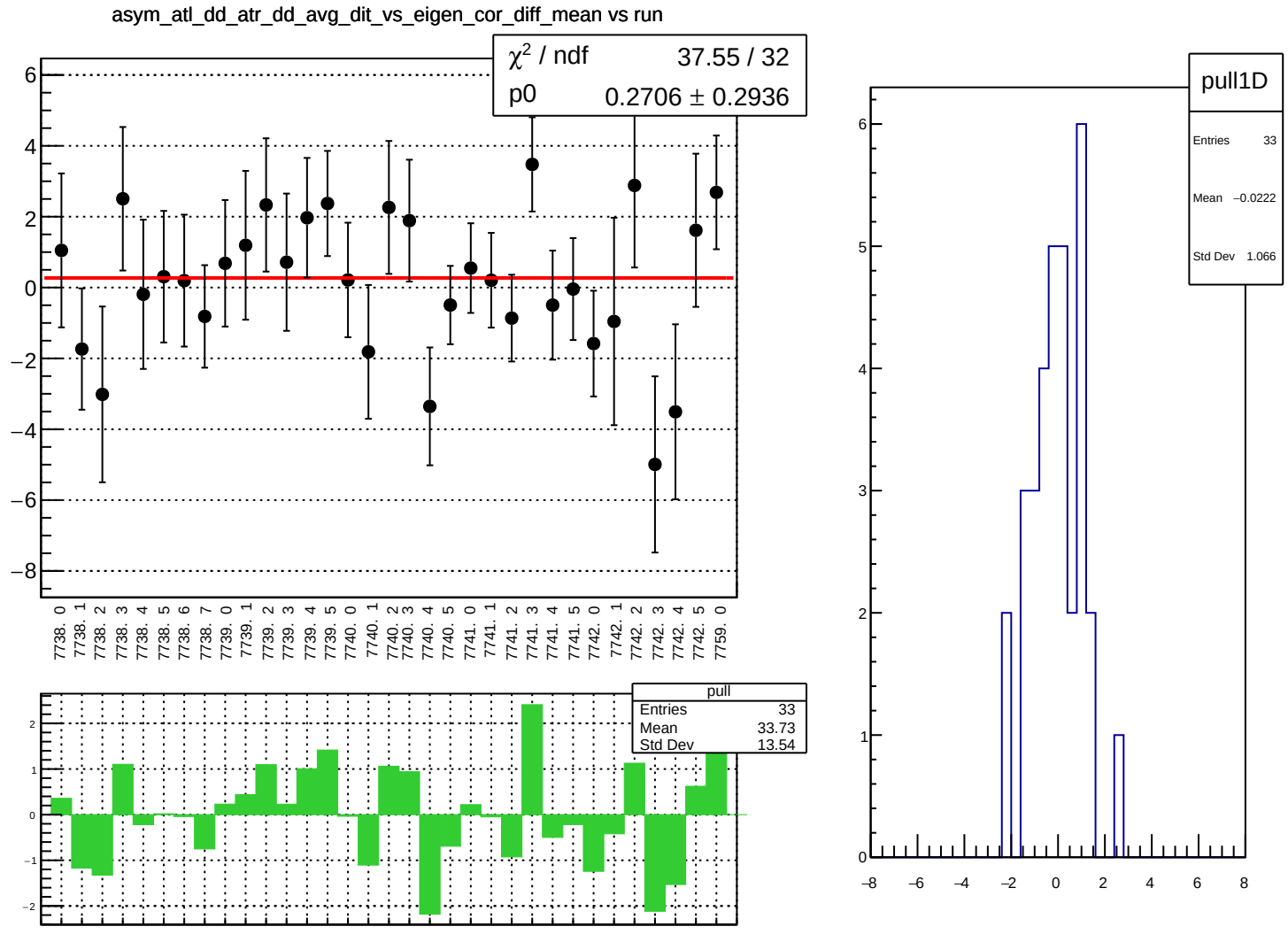

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.89 / 32
p0 −6.169e−13 ± 1.339e−12
0.001
0
−0.001
−0.002
−0.003
−0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 11.28
Std Dev 4.13
pull1D
Entries 33
Mean −0.1162
Std Dev 1.022

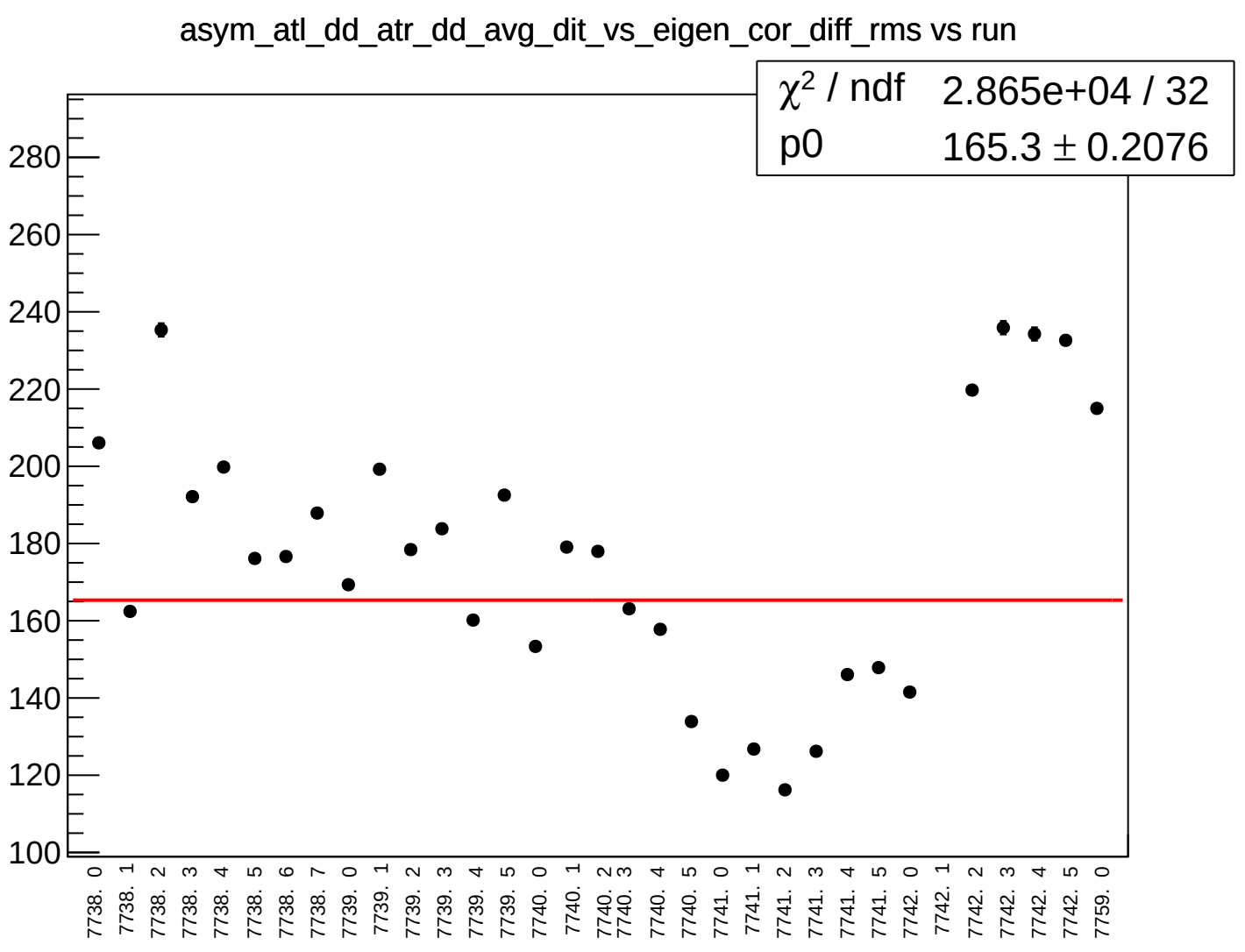

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.336e+05 / 32
p0 6.202e−10 ± 9.467e−13
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

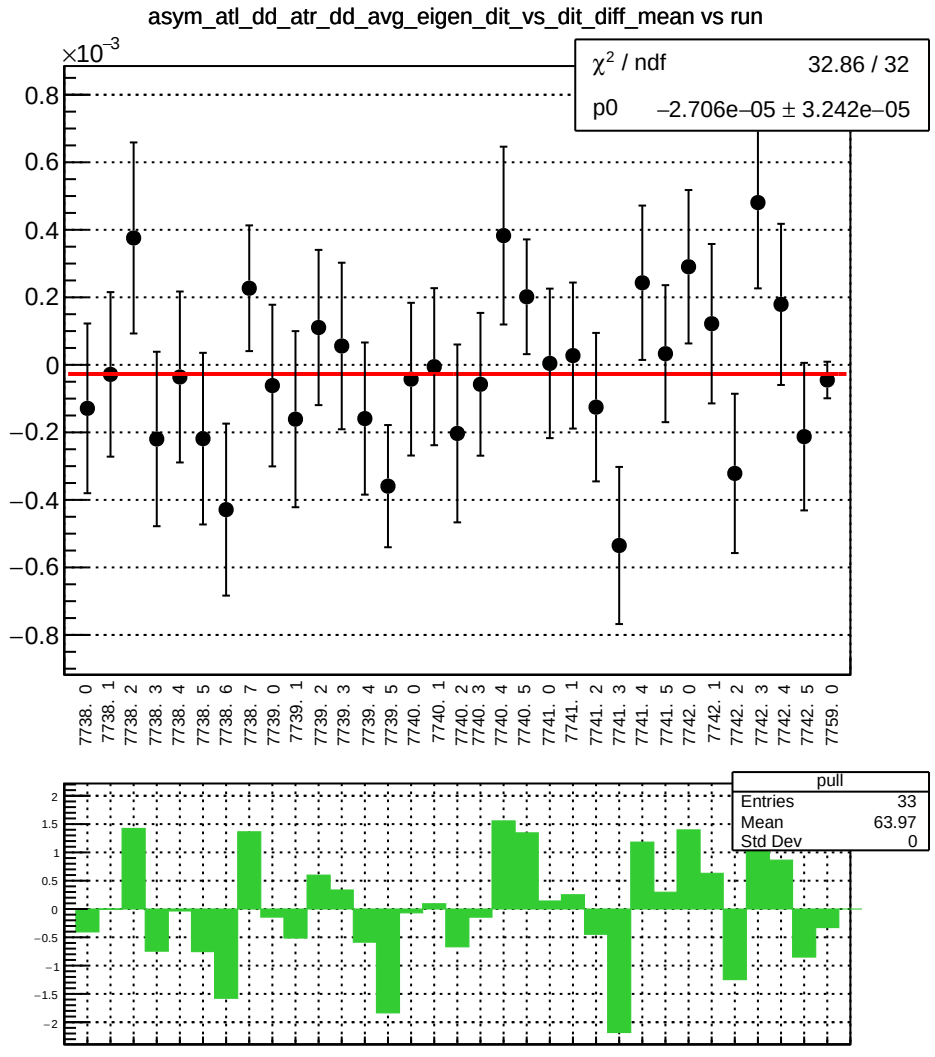

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
pull
Entries 33
Mean 33.73
Std Dev 13.54

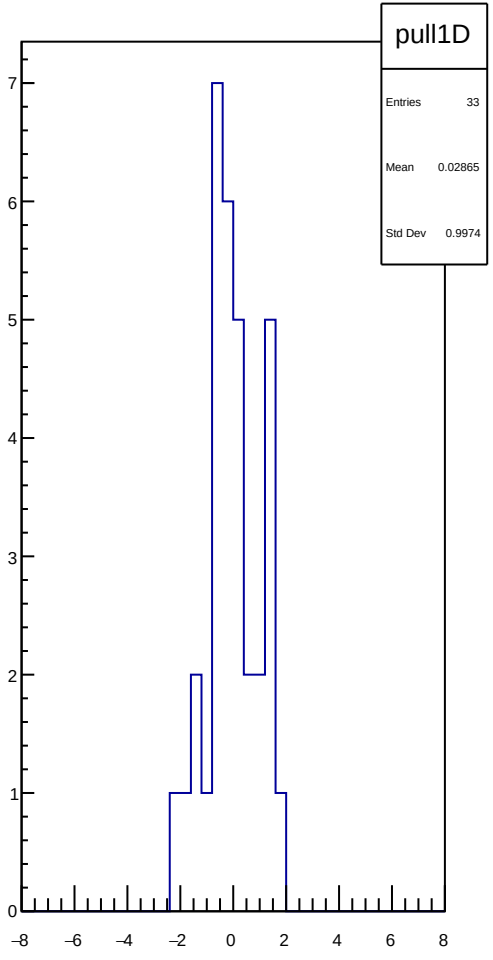

pull1D
Entries 33
Mean −0.0222
Std Dev 1.066

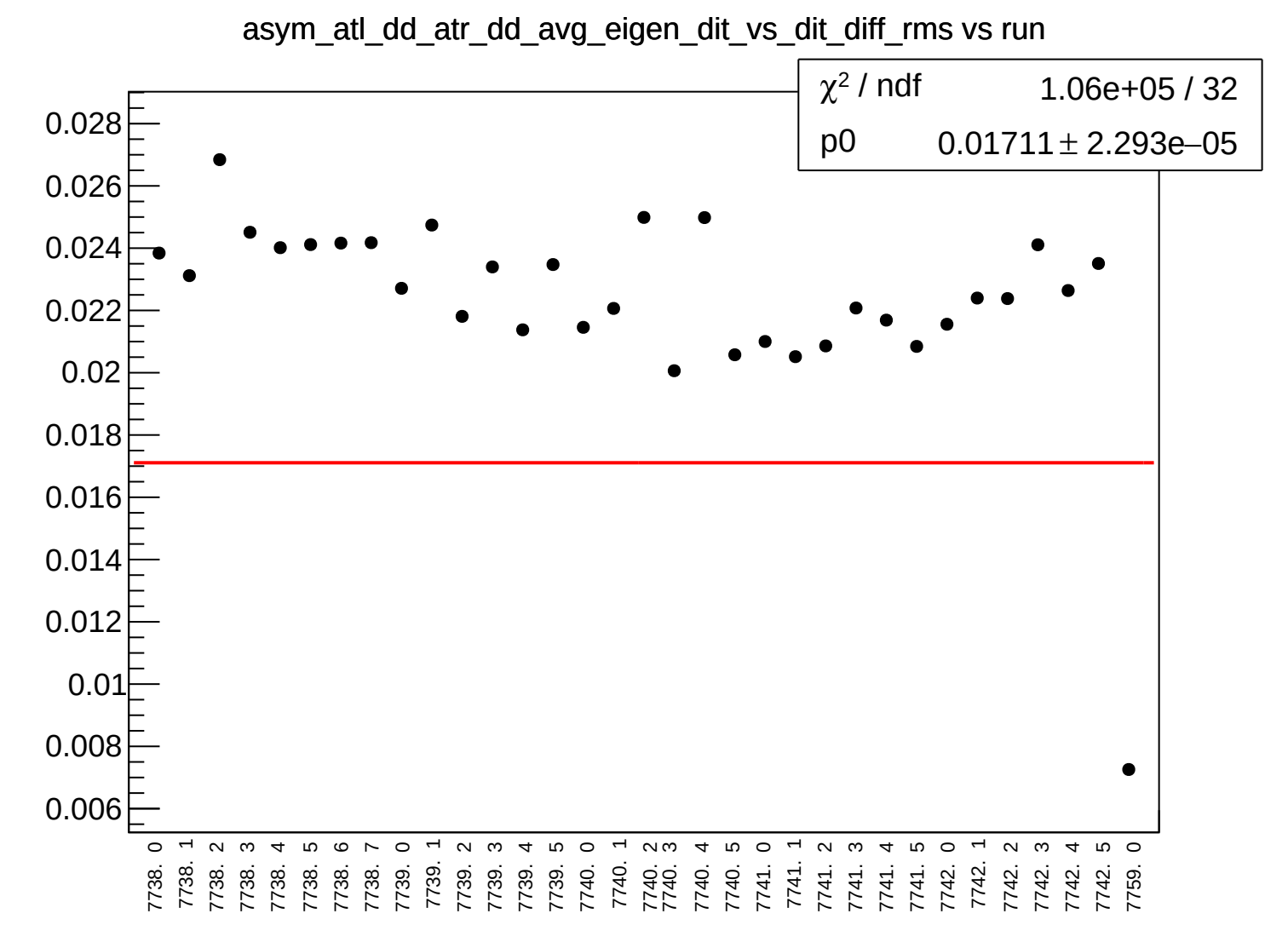

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

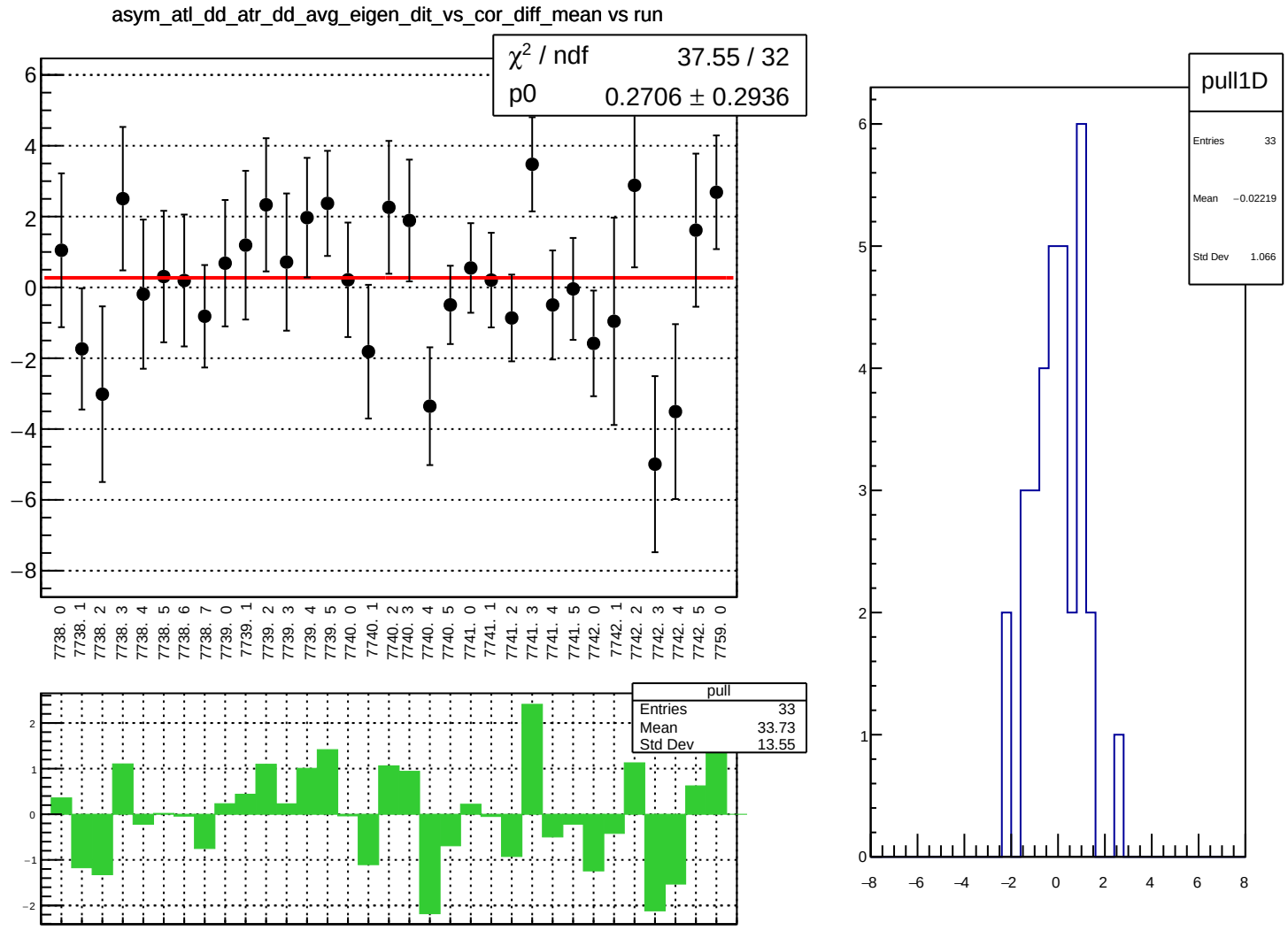

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.54
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0222
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

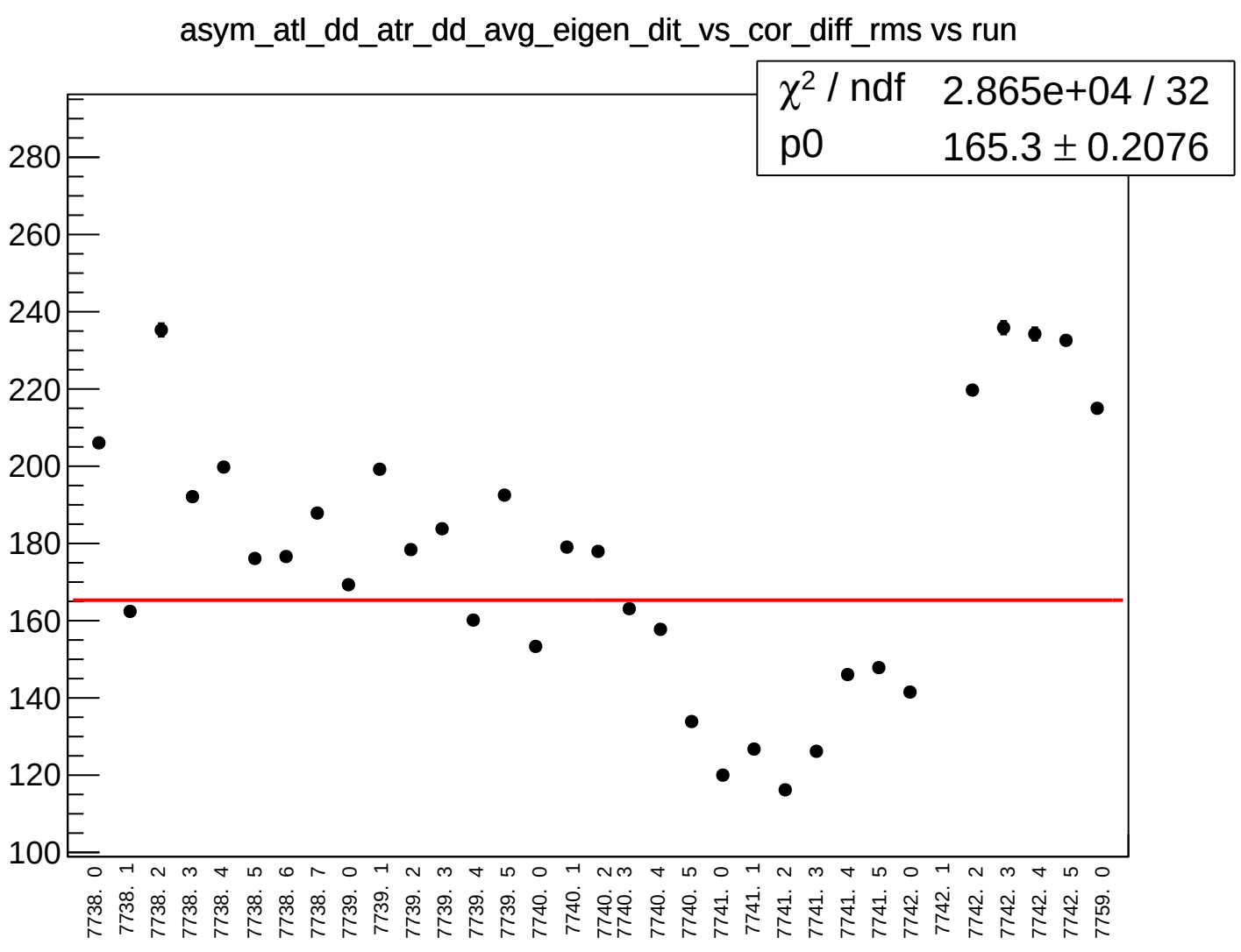

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

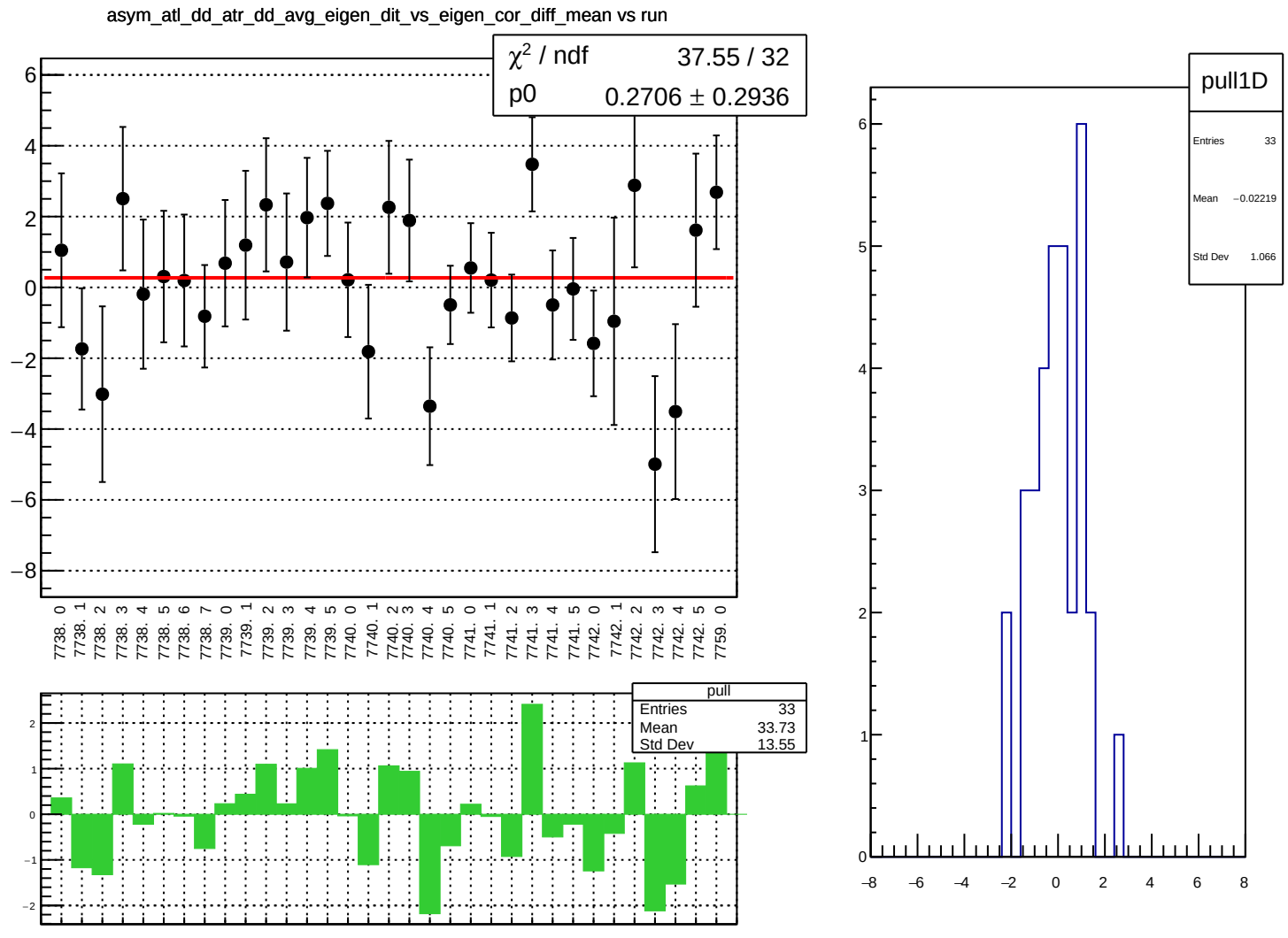

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.86 / 32
p0 −2.706e−05 ± 3.242e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 63.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

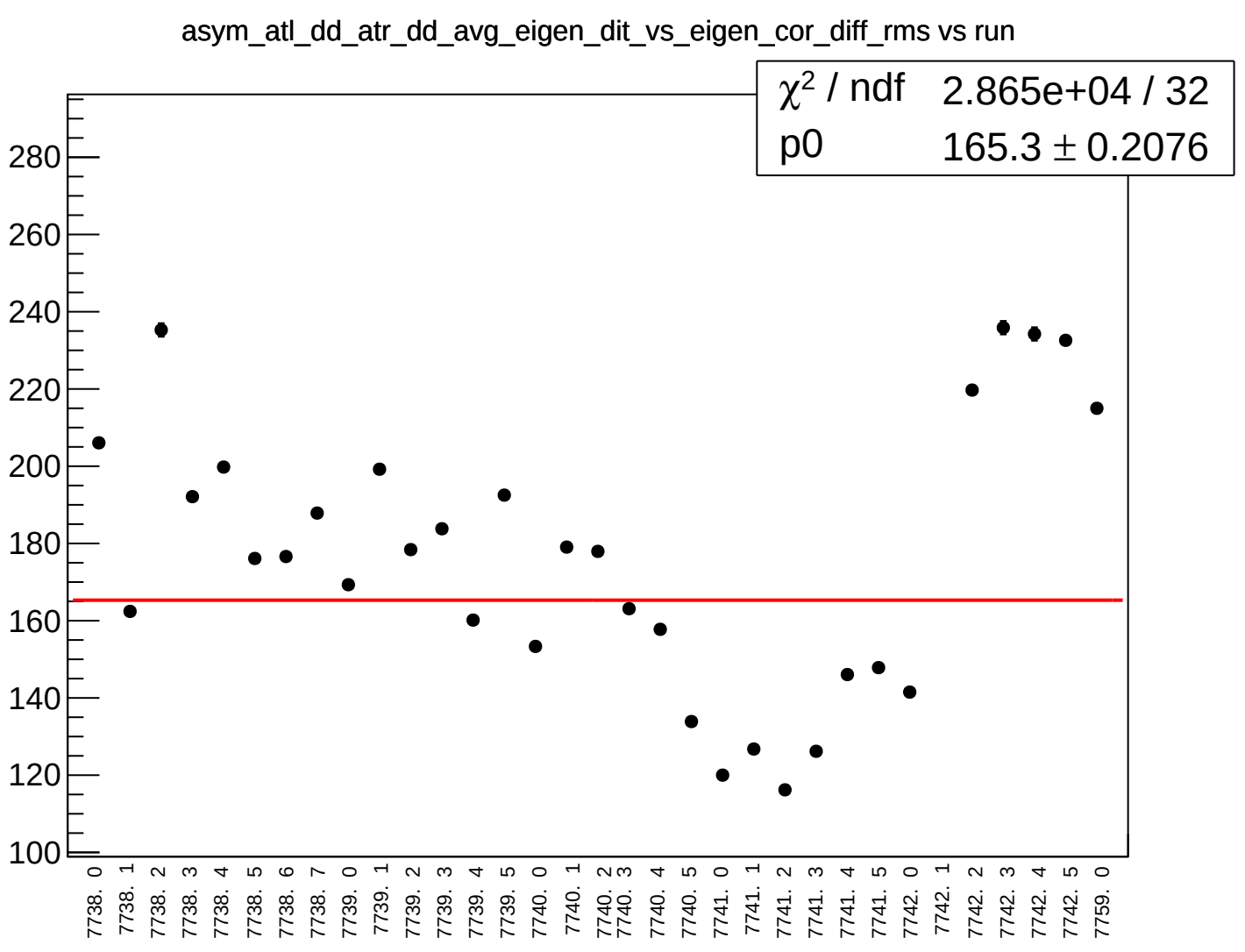

pull1D
Entries 33
Mean 0.02865
Std Dev 0.9974
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

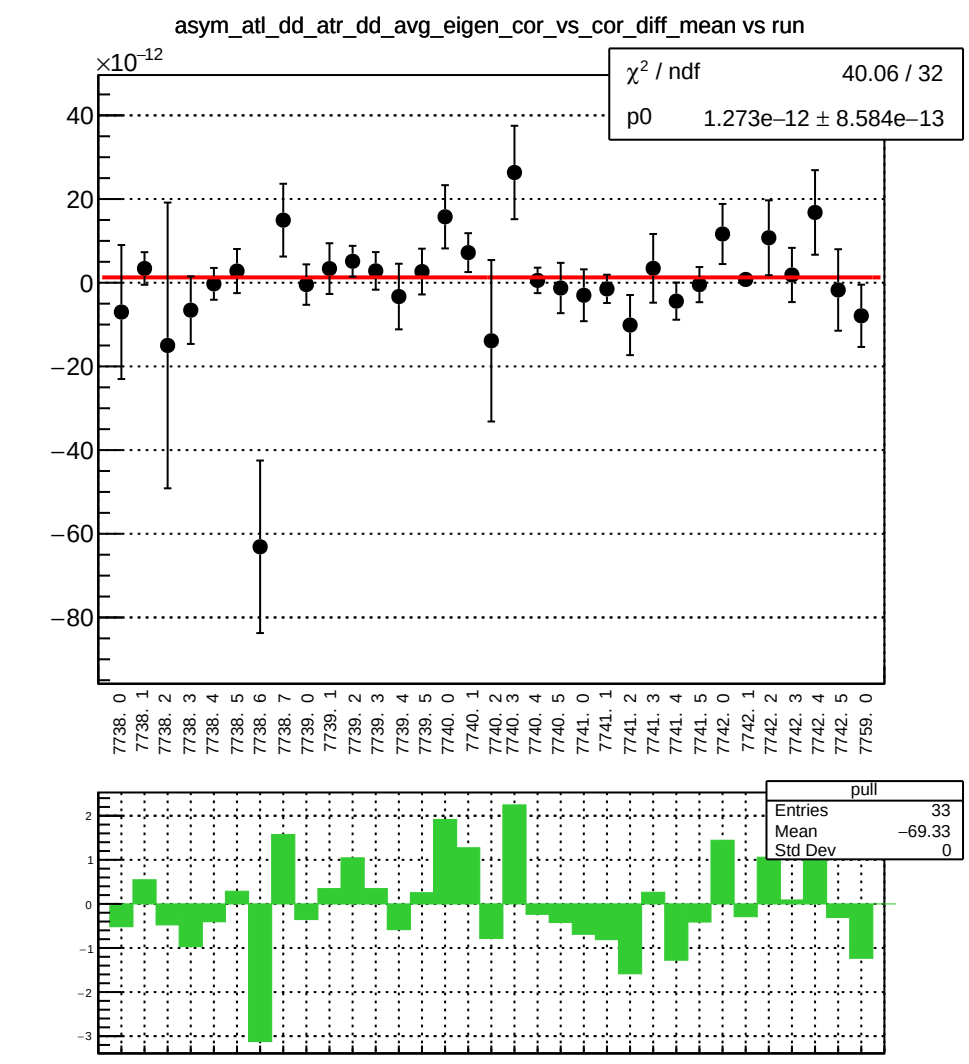

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.06e+05 / 32
p0 0.01711 ± 2.293e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

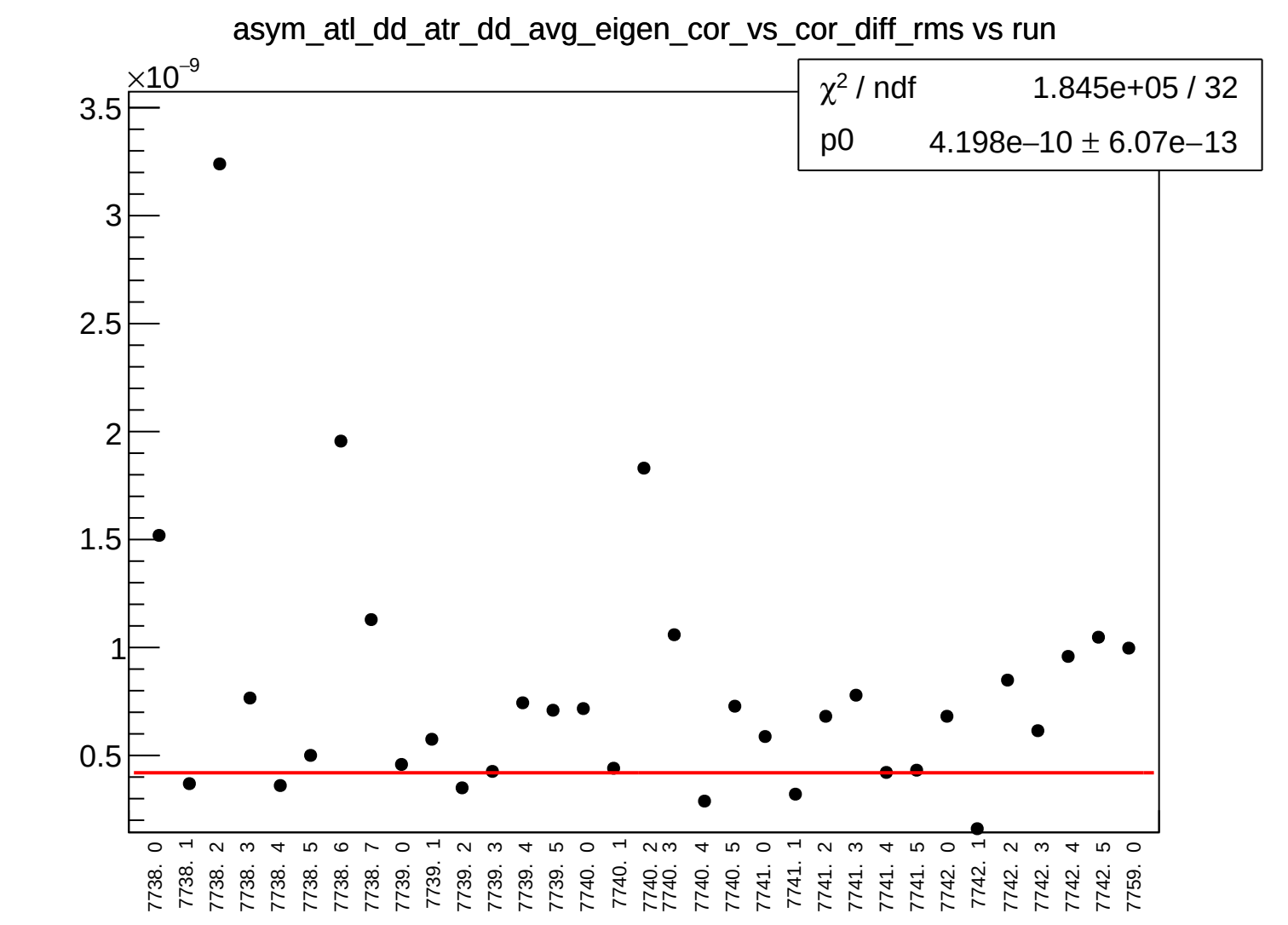

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.55
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02219
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

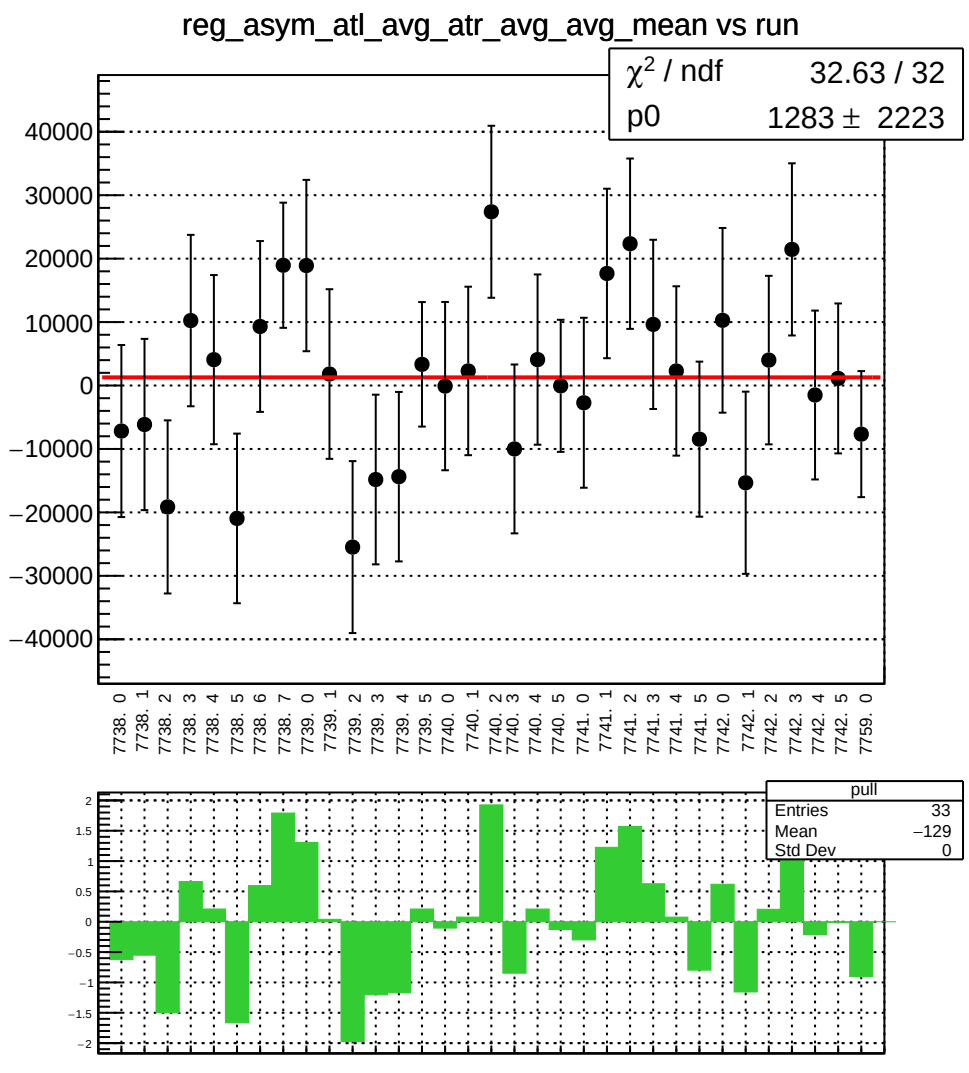

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

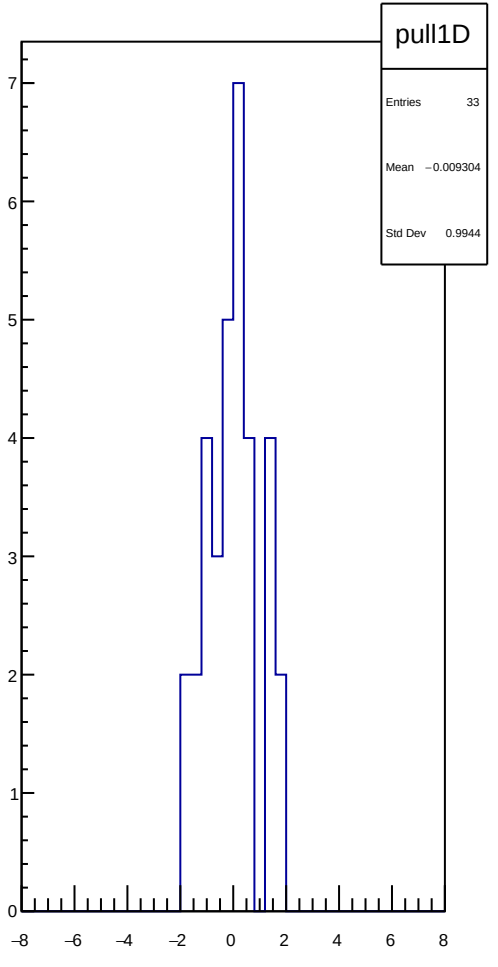

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.55
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02219
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

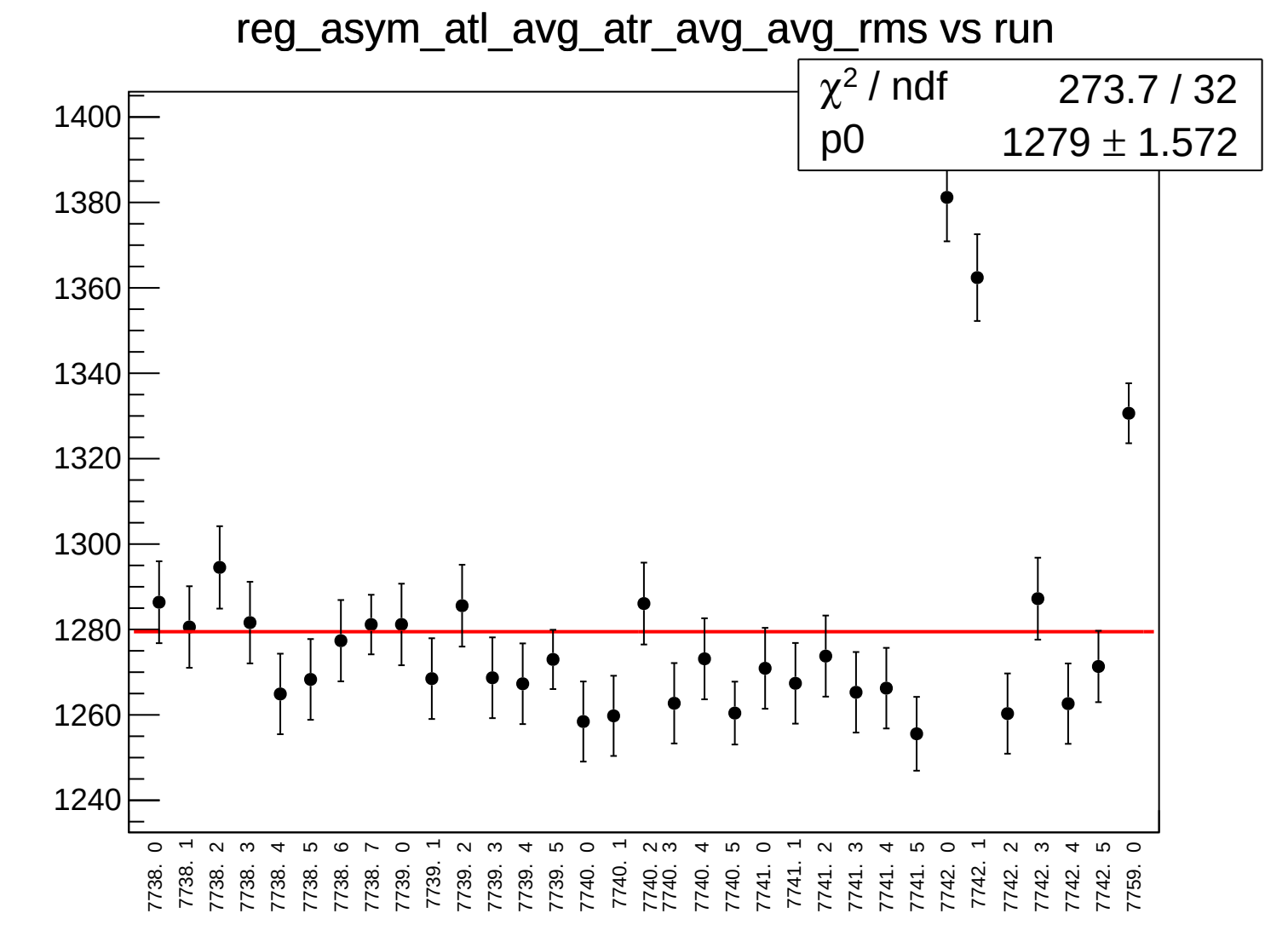

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

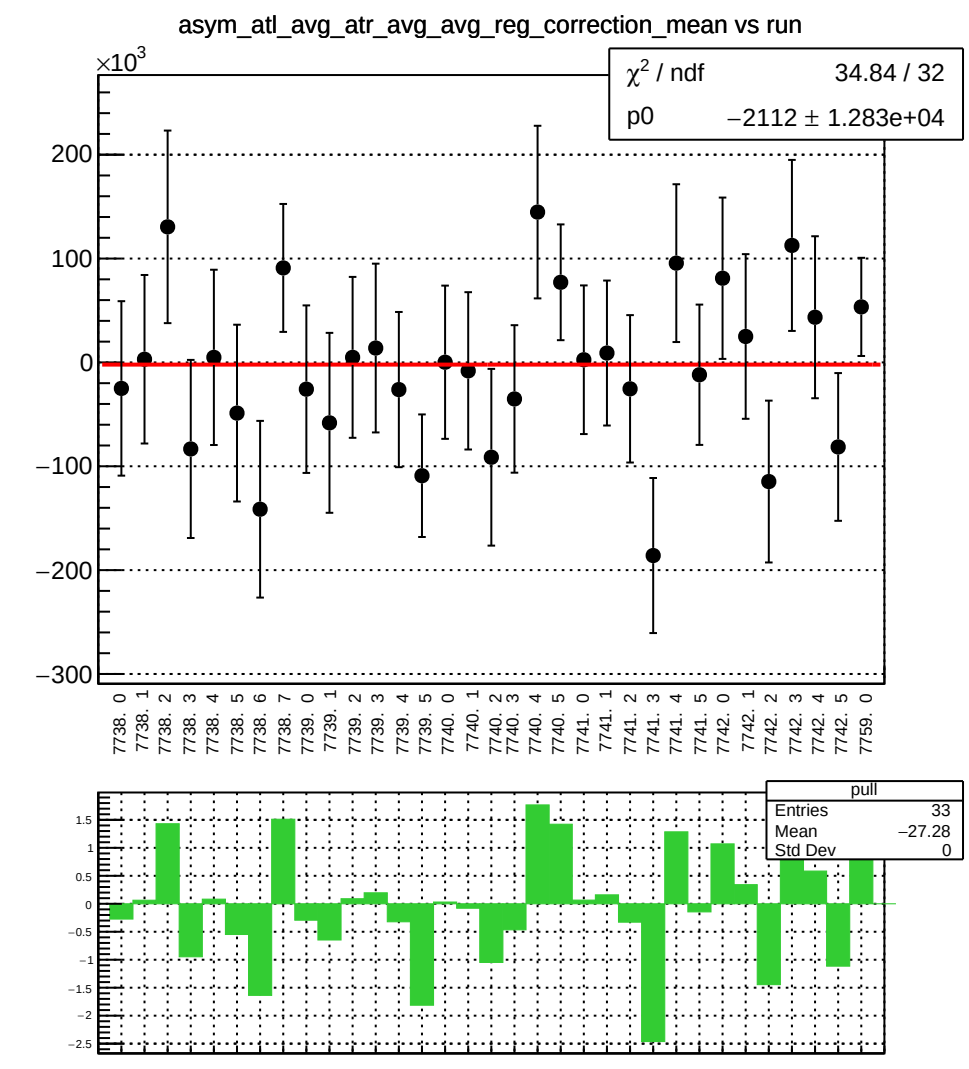

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 40.06 / 32
p0 1.273e−12 ± 8.584e−13
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −69.33
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.007541
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

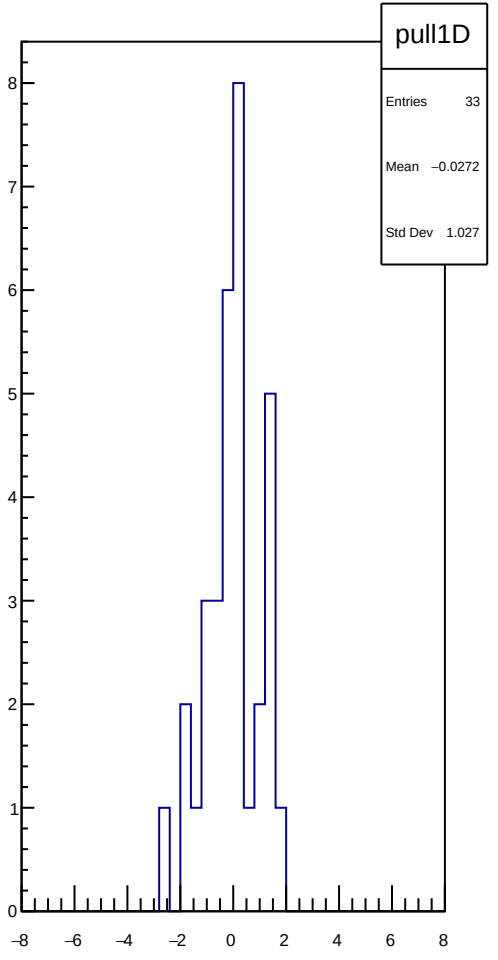

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.845e+05 / 32
p0 4.198e−10 ± 6.07e−13
3.5
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

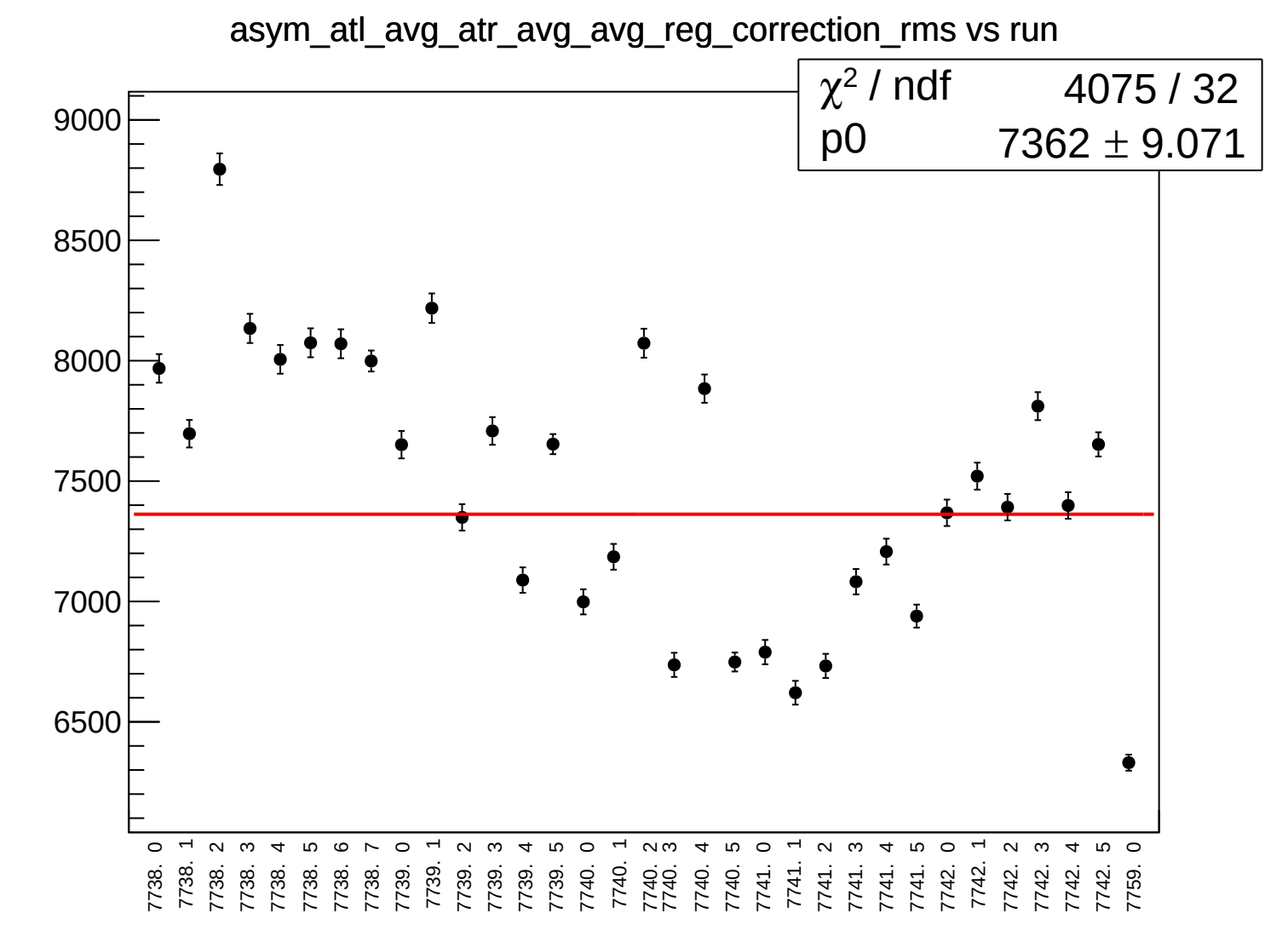

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 32.63 / 32
p0 1283 ± 2223
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −129
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

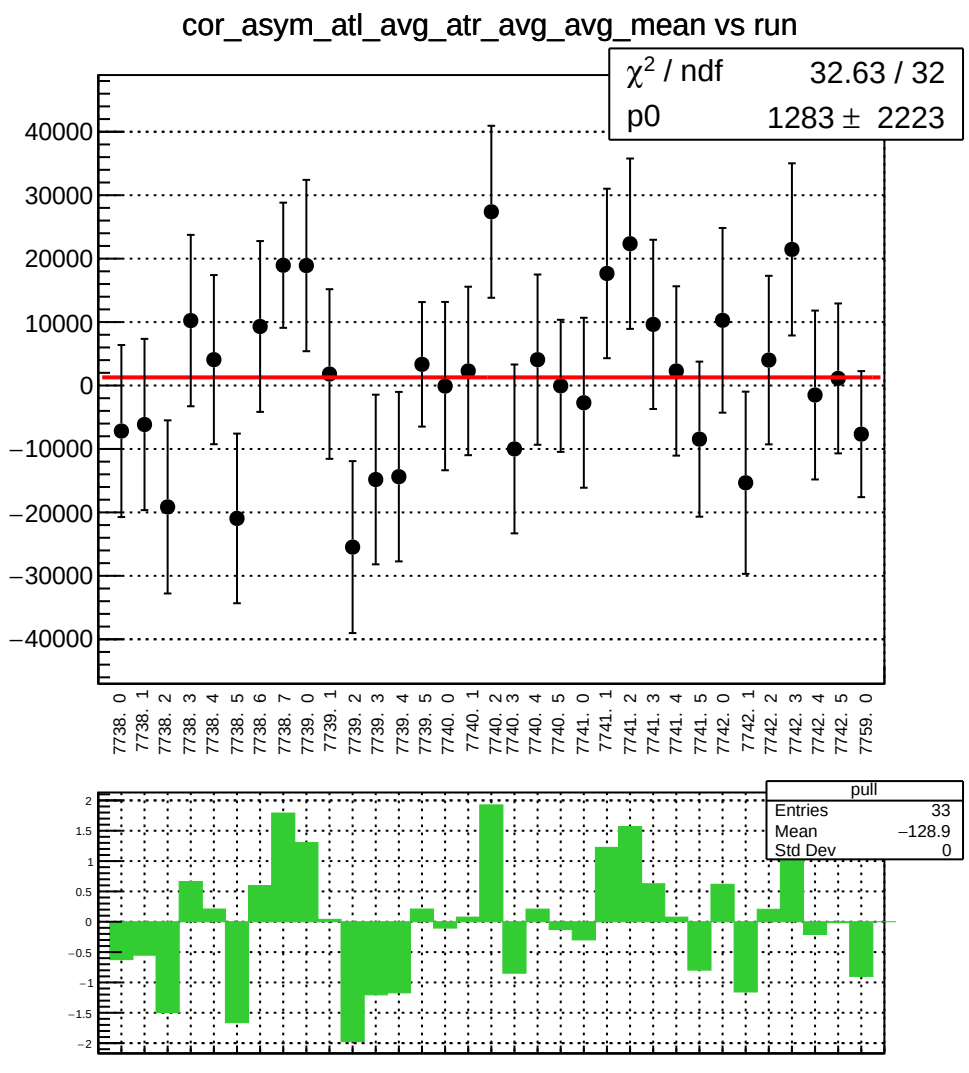

pull1D
Entries 33
Mean −0.009304
Std Dev 0.9944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

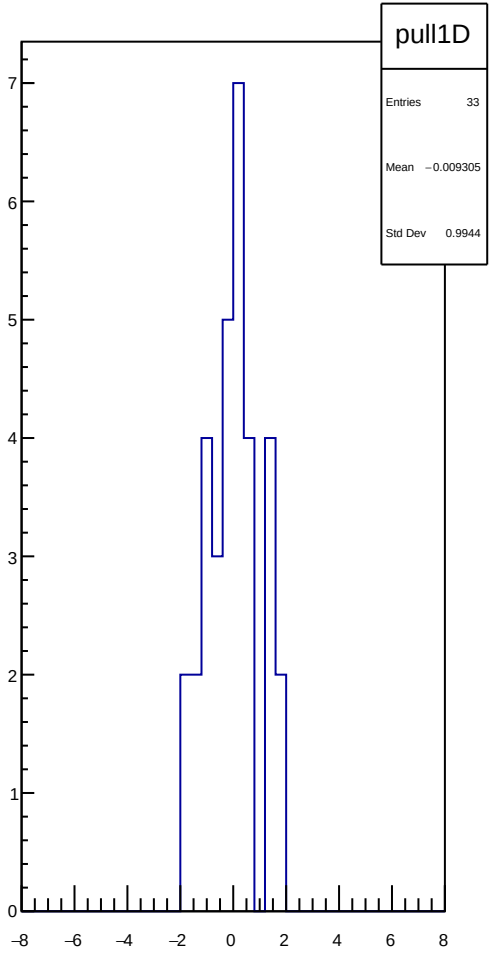

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 273.7 / 32
p0 1279 ± 1.572
1400
1380
1360
1340
1320
1300
1280
1260
1240
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

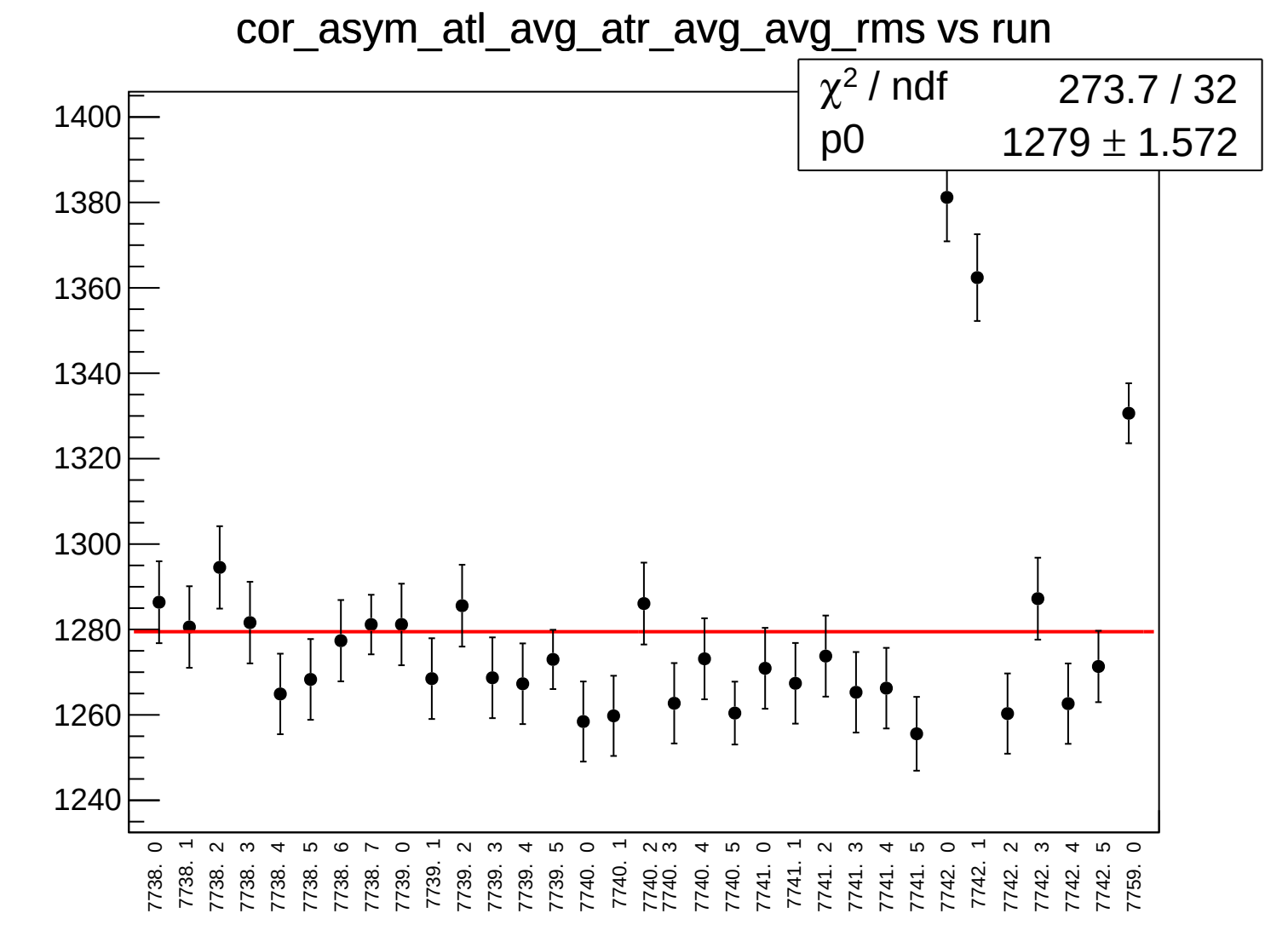

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.84 / 32
p0 −2112 ± 1.283e+04
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

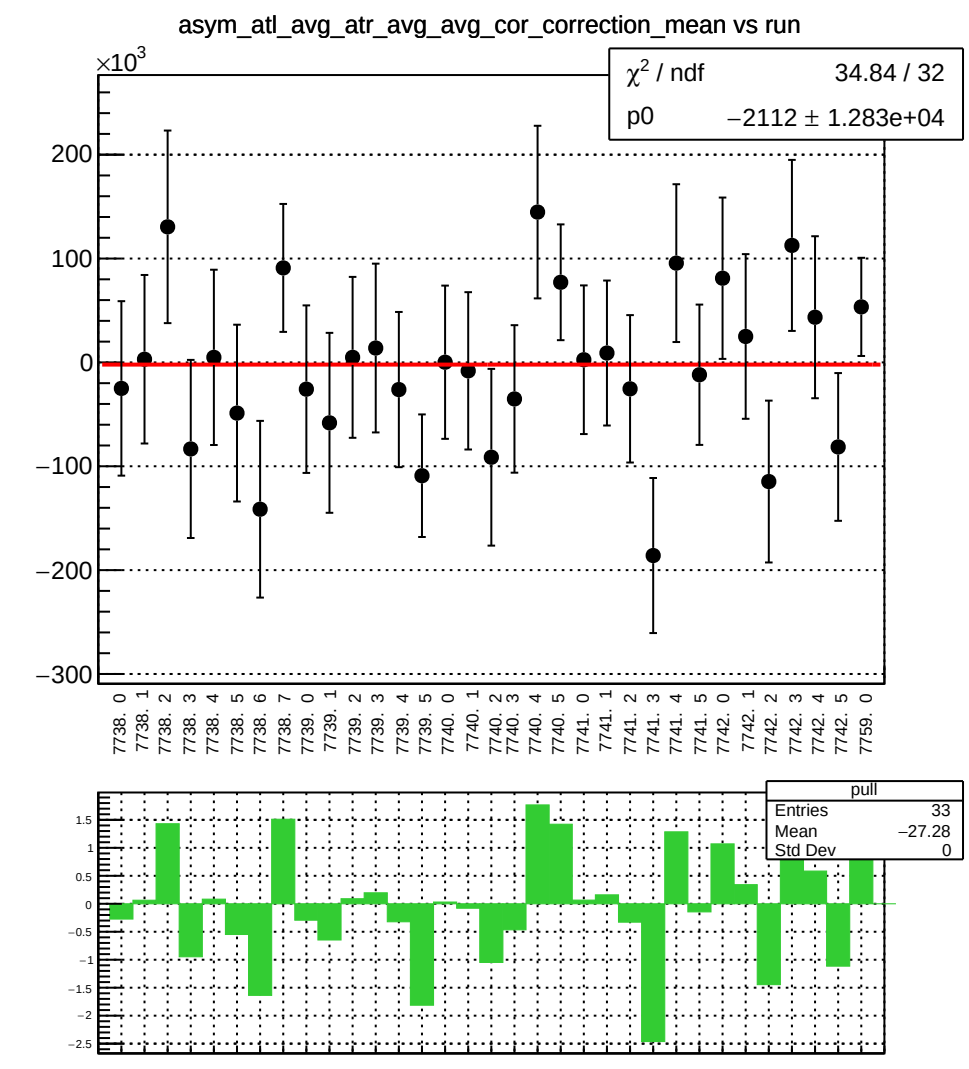

pull1D
Entries 33
Mean −0.0272
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

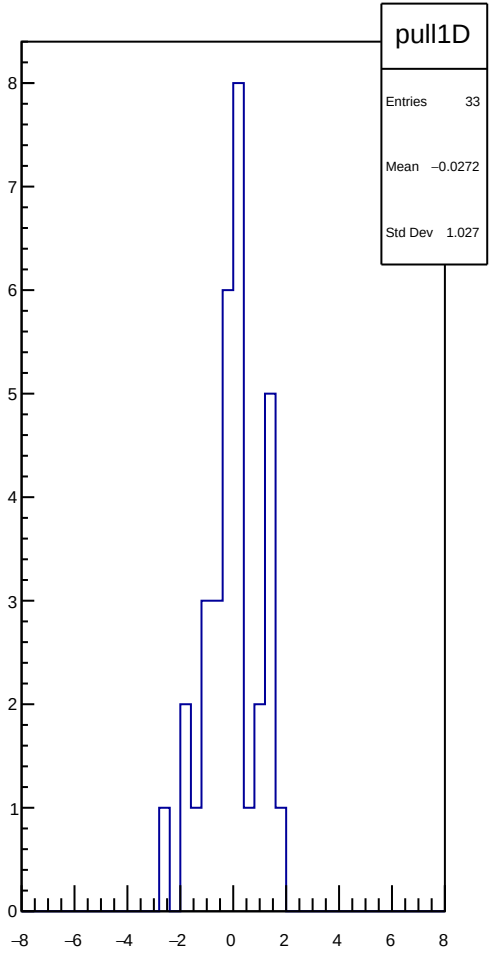

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 4075 / 32
p0 7362 ± 9.071
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

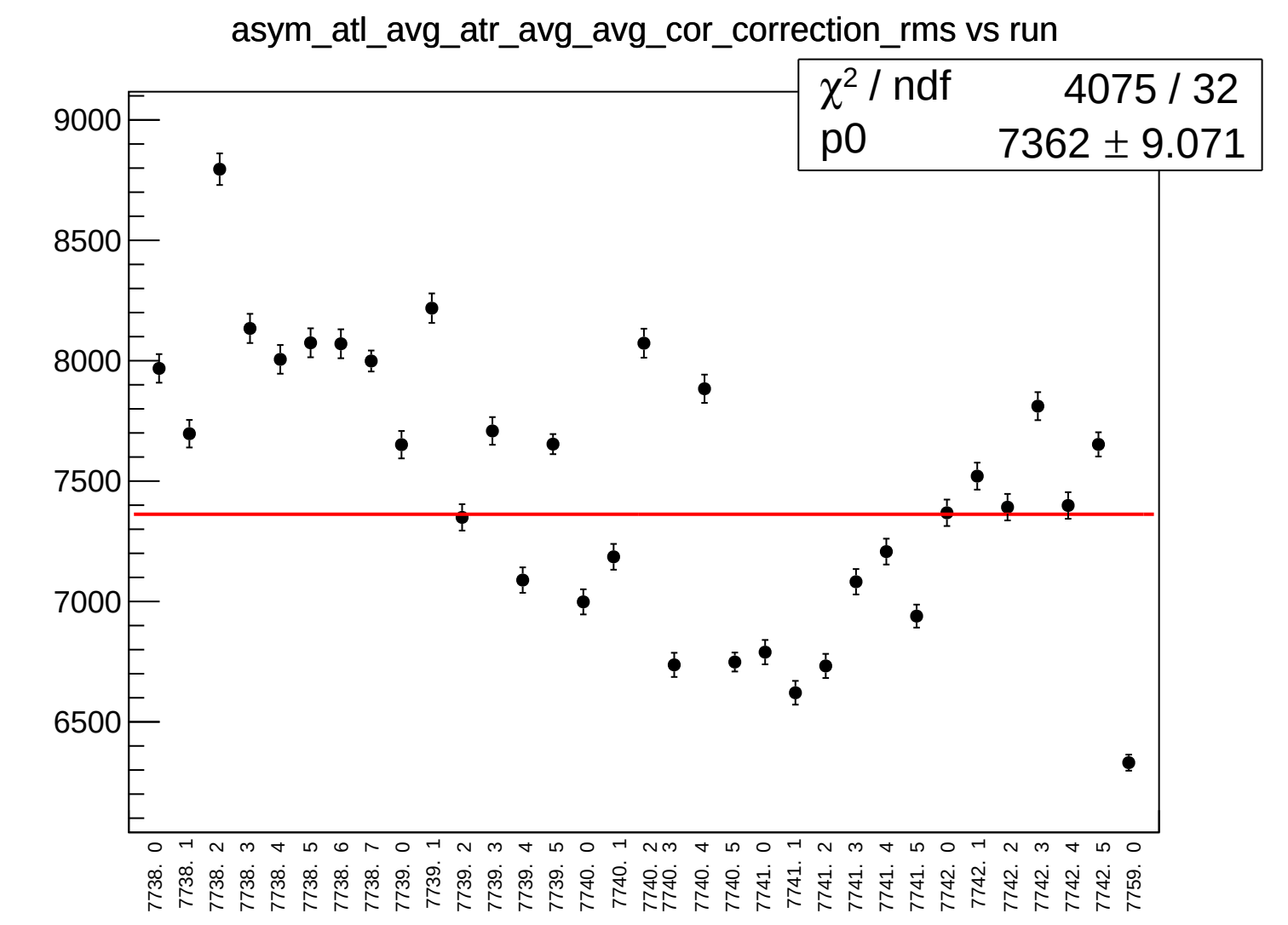

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 32.63 / 32
p0 1283 ± 2223
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

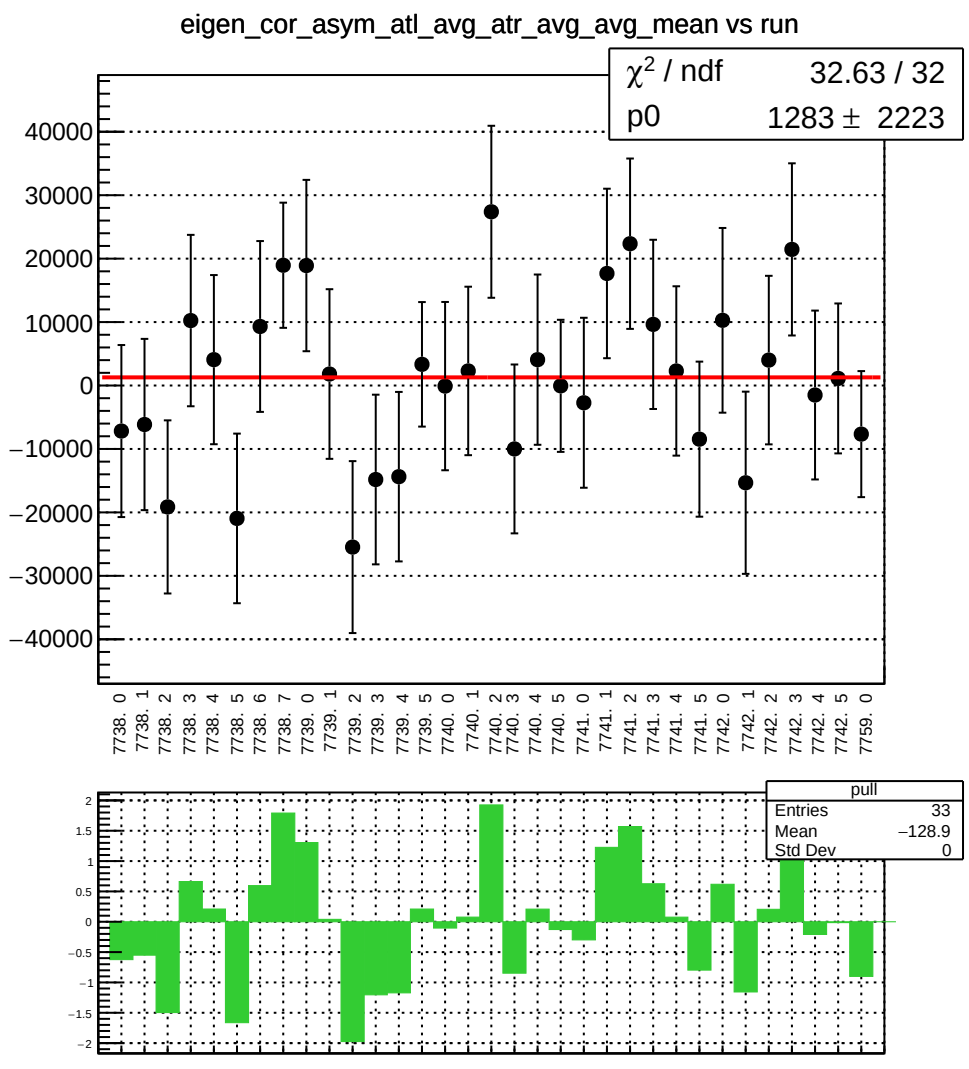

pull1D
Entries 33
Mean −0.009305
Std Dev 0.9944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

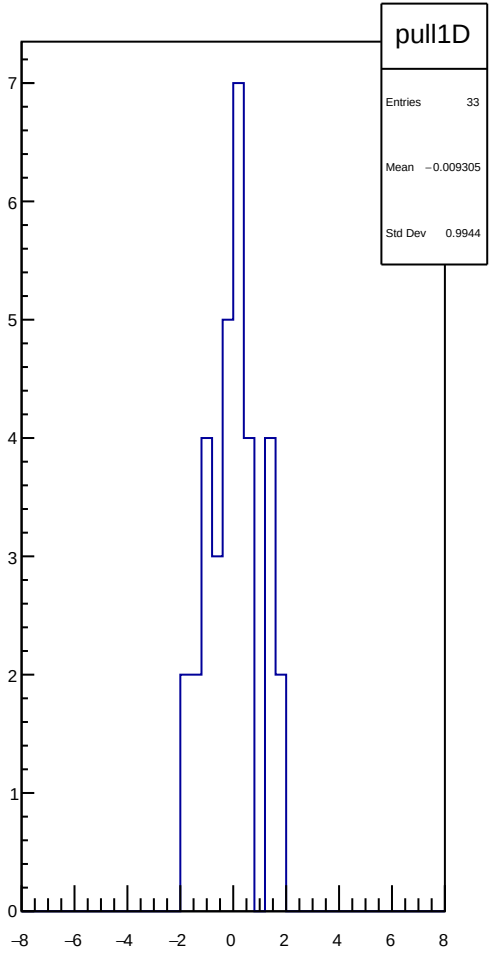

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 273.7 / 32
p0 1279 ± 1.572
1400
1380
1360
1340
1320
1300
1280
1260
1240
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

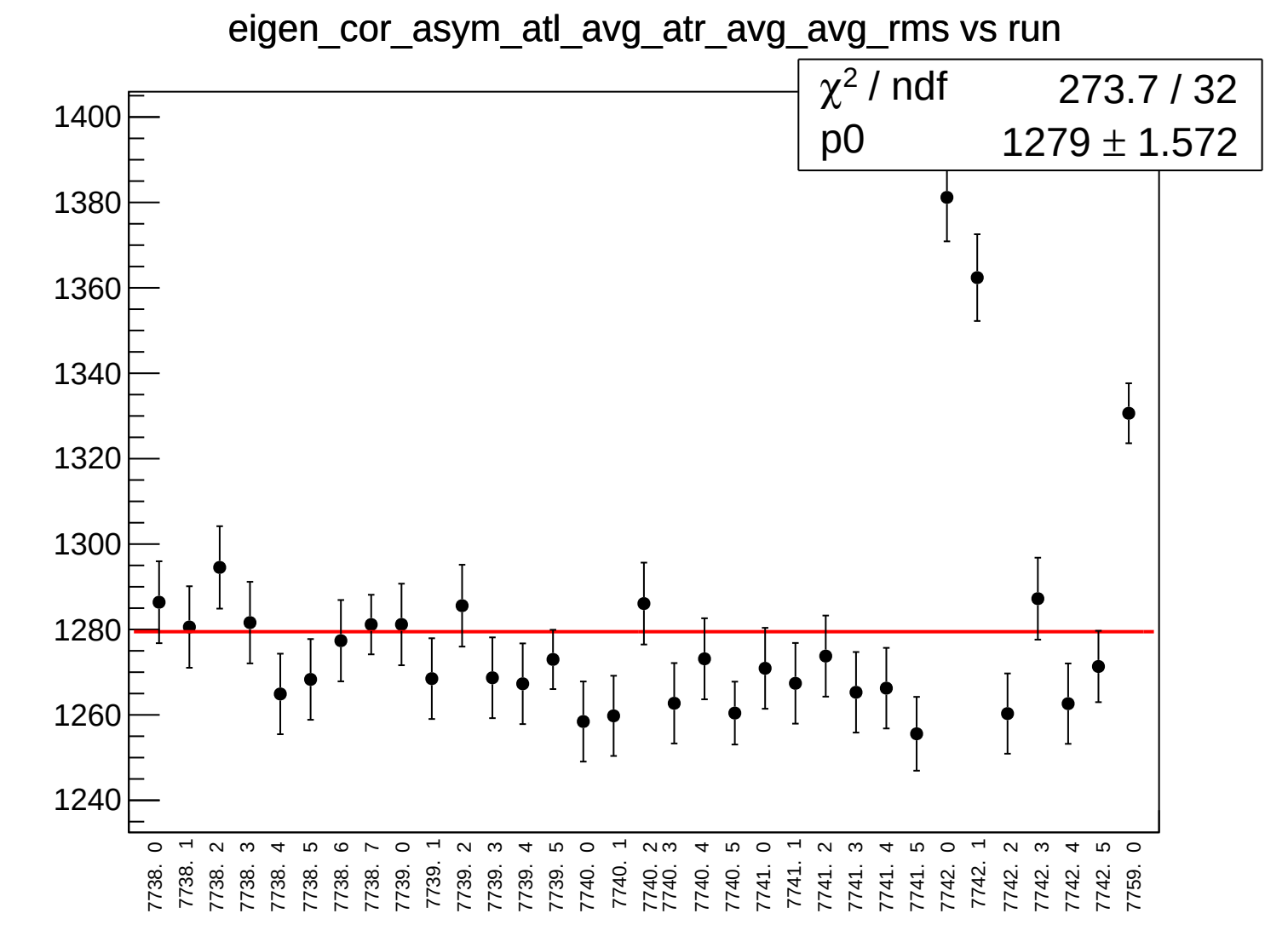

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.84 / 32
p0 −2112 ± 1.283e+04
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

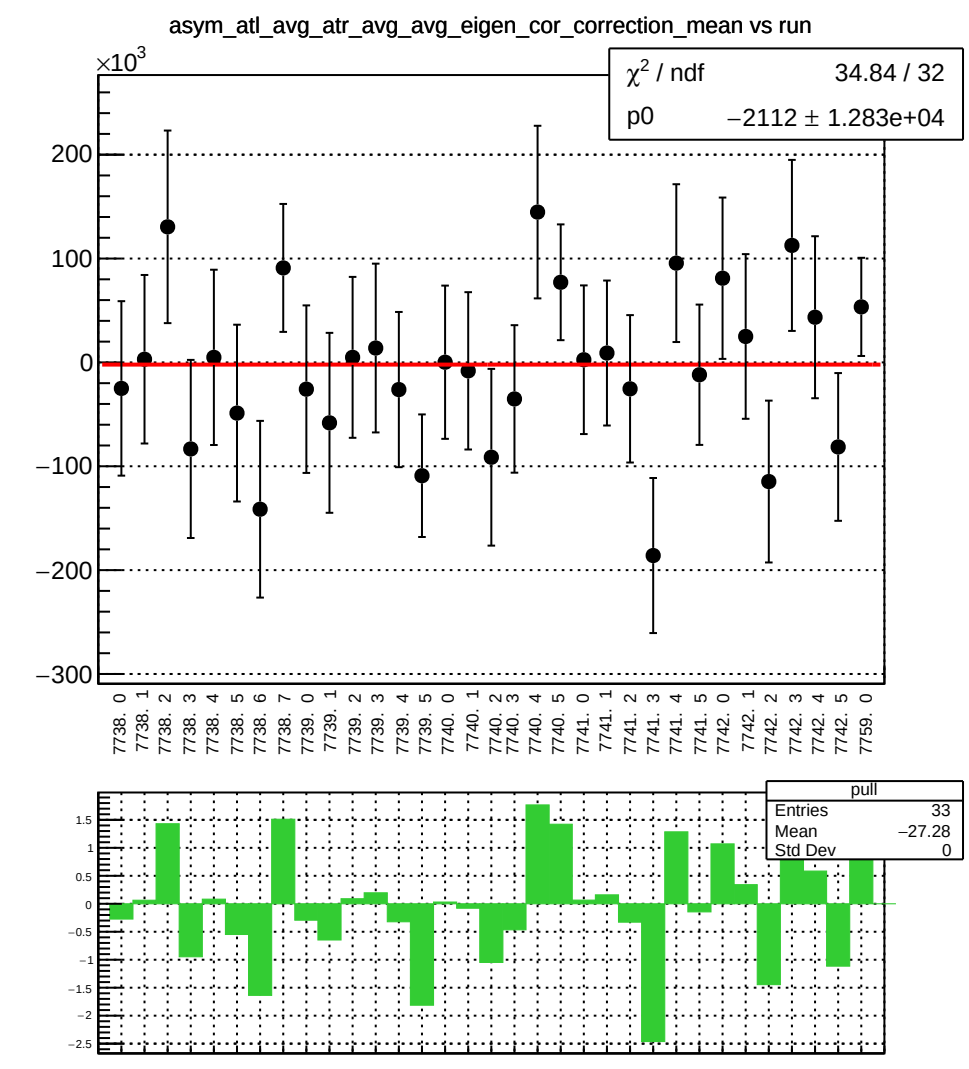

pull1D
Entries 33
Mean −0.0272
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

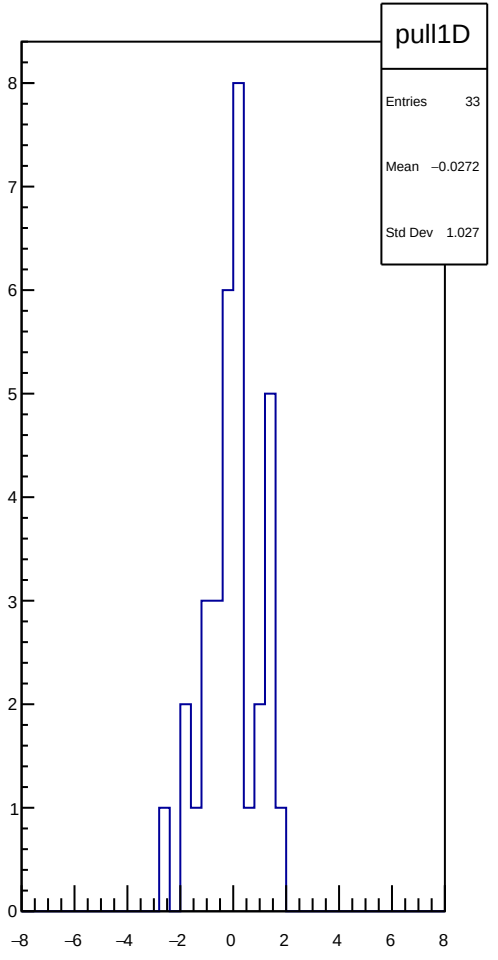

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 4075 / 32
p0 7362 ± 9.071
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

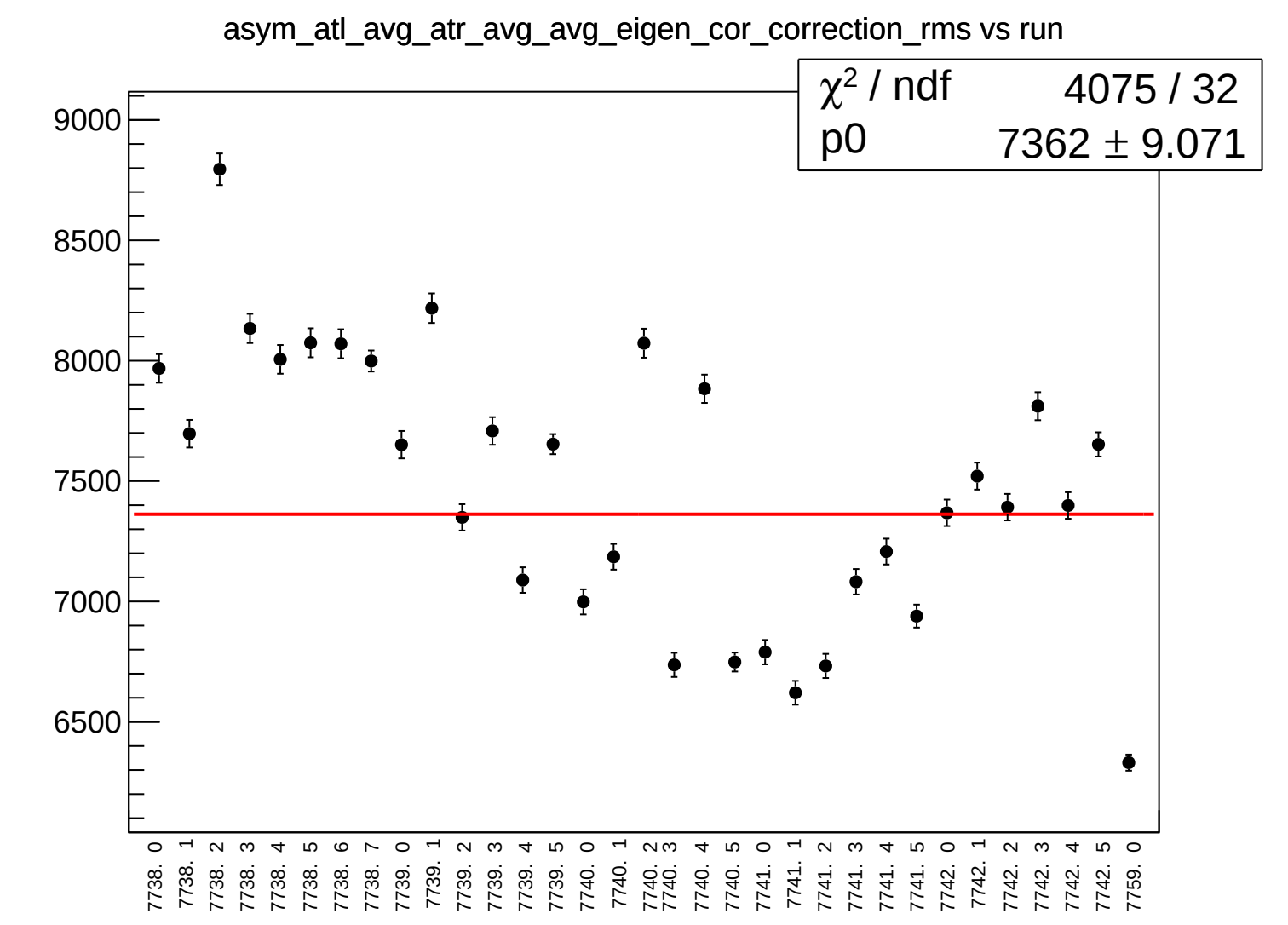

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 32.63 / 32
p0 1283 ± 2223
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

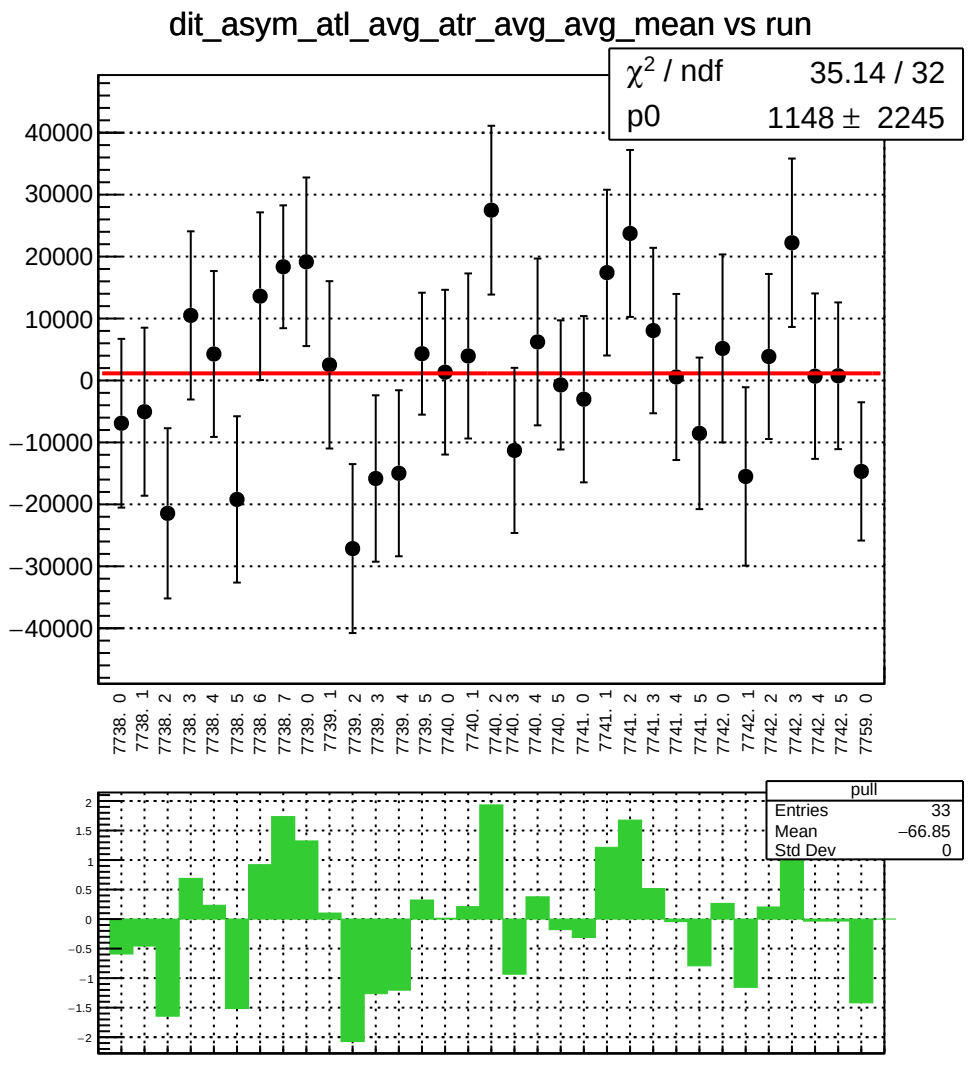

pull1D
Entries 33
Mean −0.009305
Std Dev 0.9944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

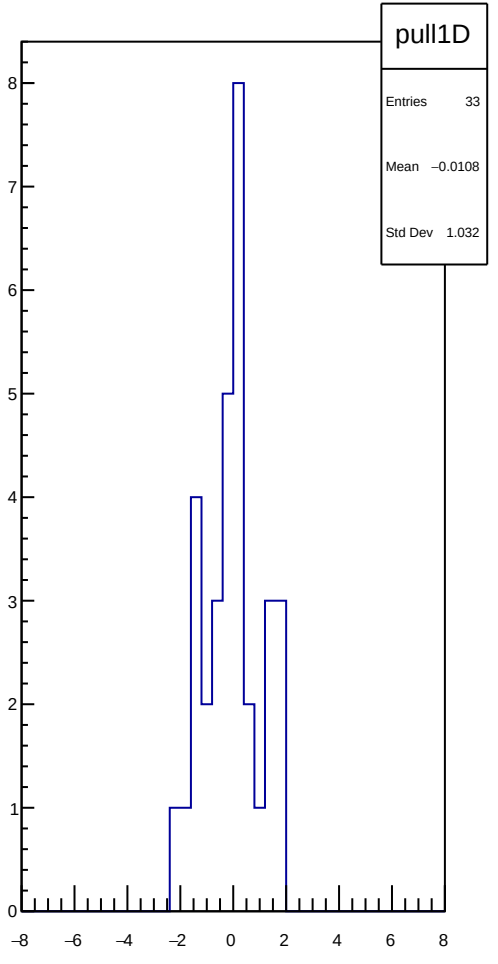

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 273.7 / 32
p0 1279 ± 1.572
1400
1380
1360
1340
1320
1300
1280
1260
1240
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

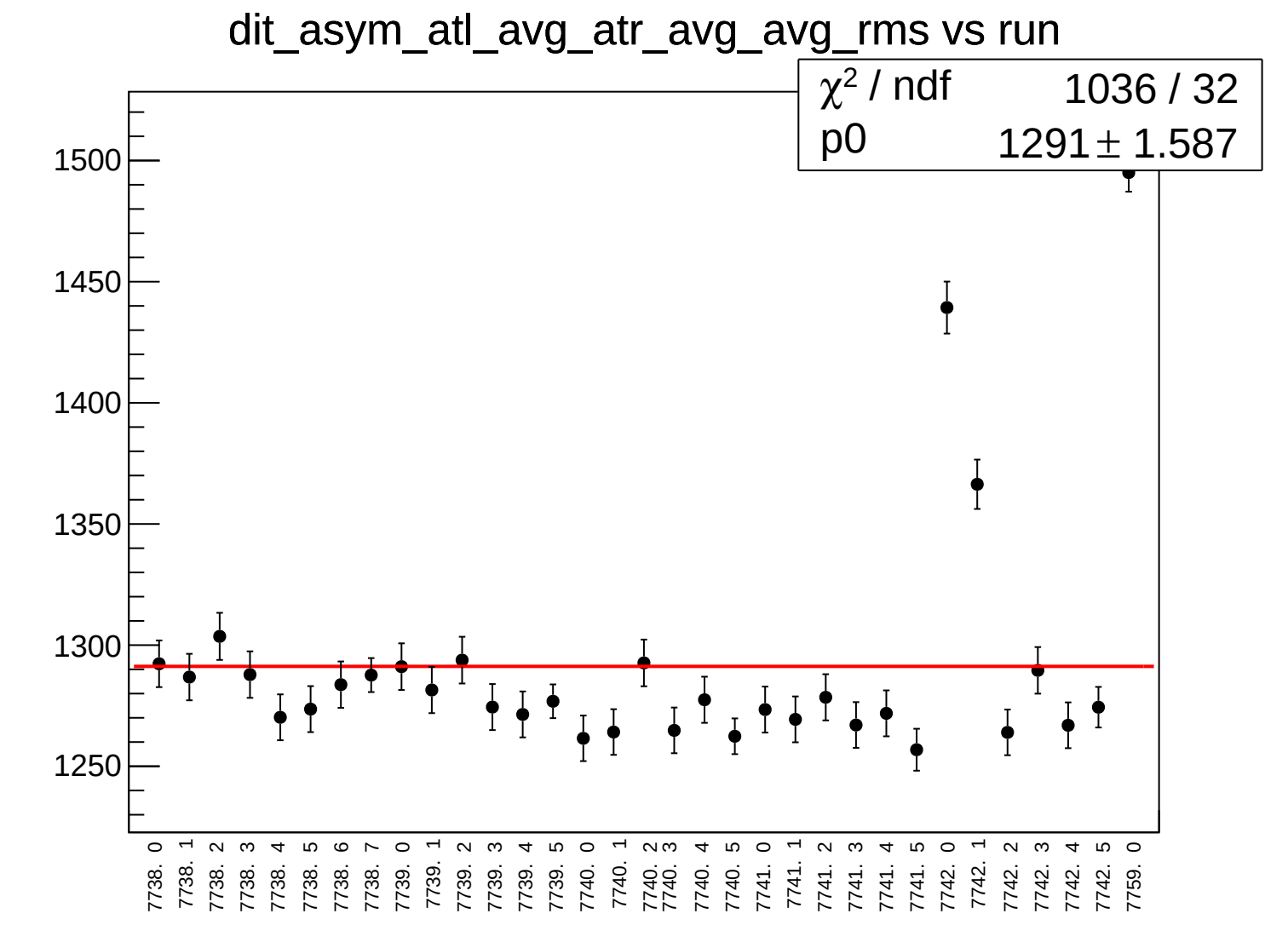

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.84 / 32
p0 −2112 ± 1.283e+04
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

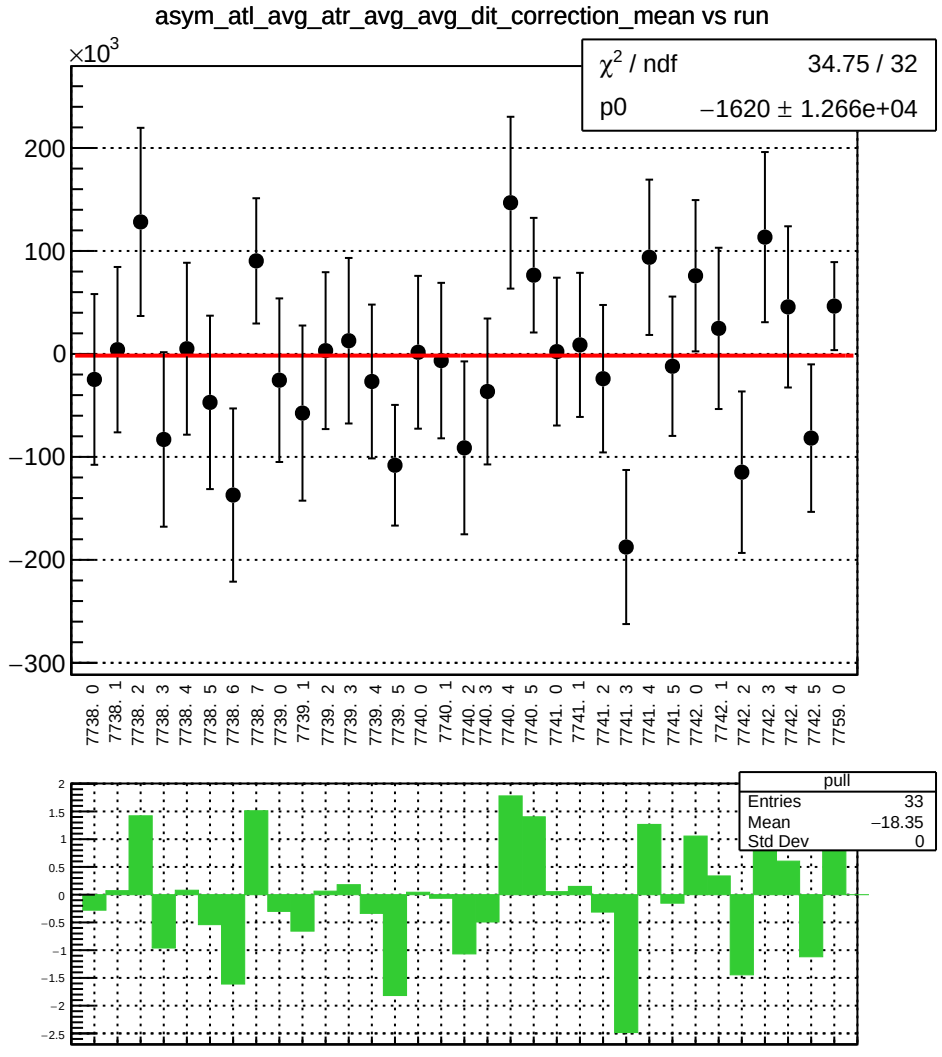

pull1D
Entries 33
Mean −0.0272
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

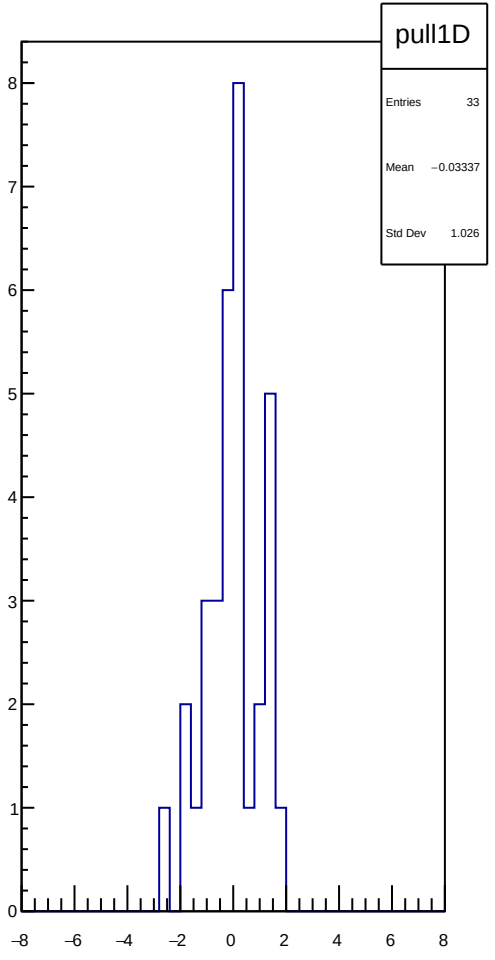

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 4075 / 32
p0 7362 ± 9.071
9000
8500
8000
7500
7000
6500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

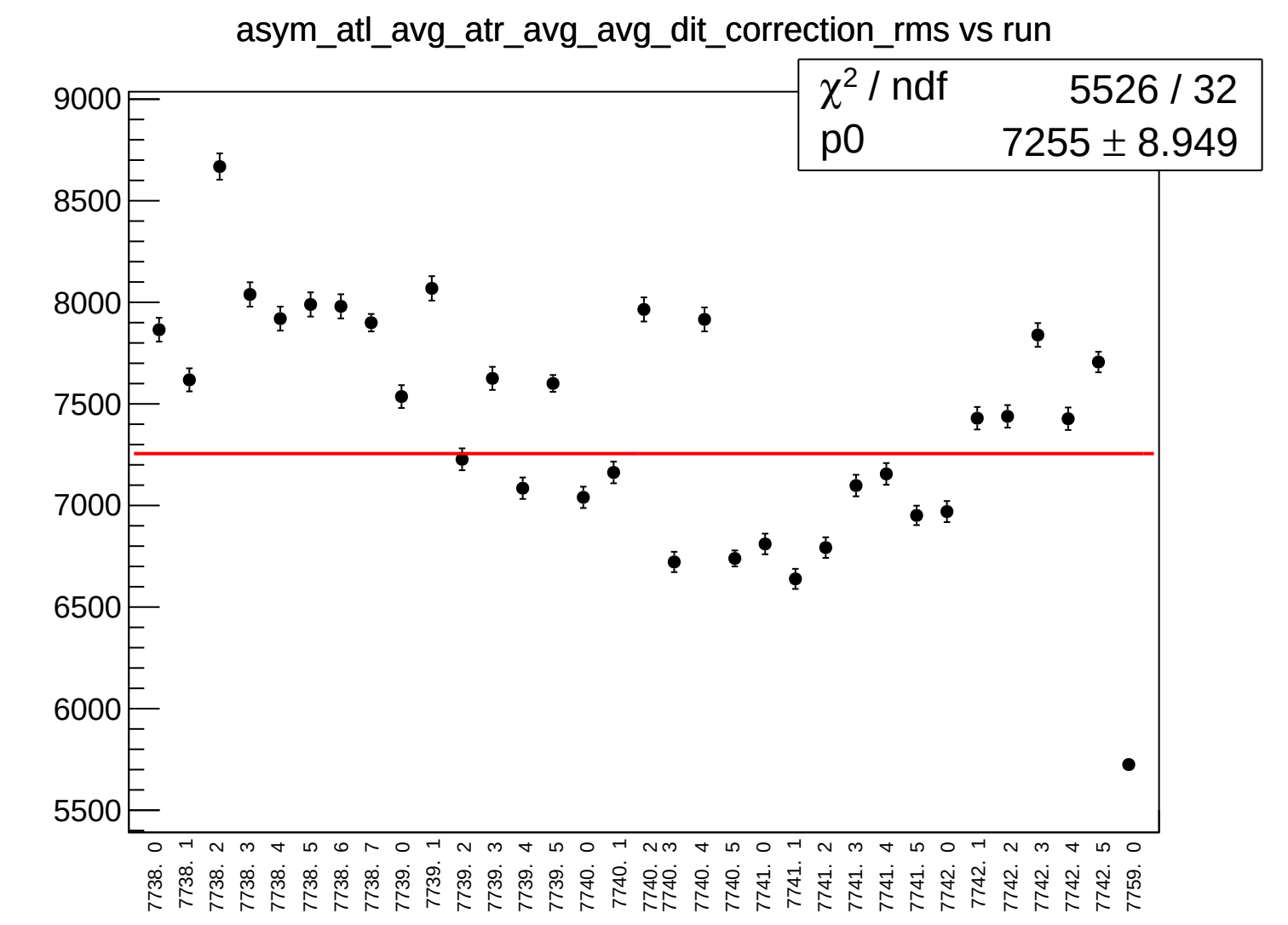

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 35.14 / 32
p0 1148 ± 2245
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −66.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

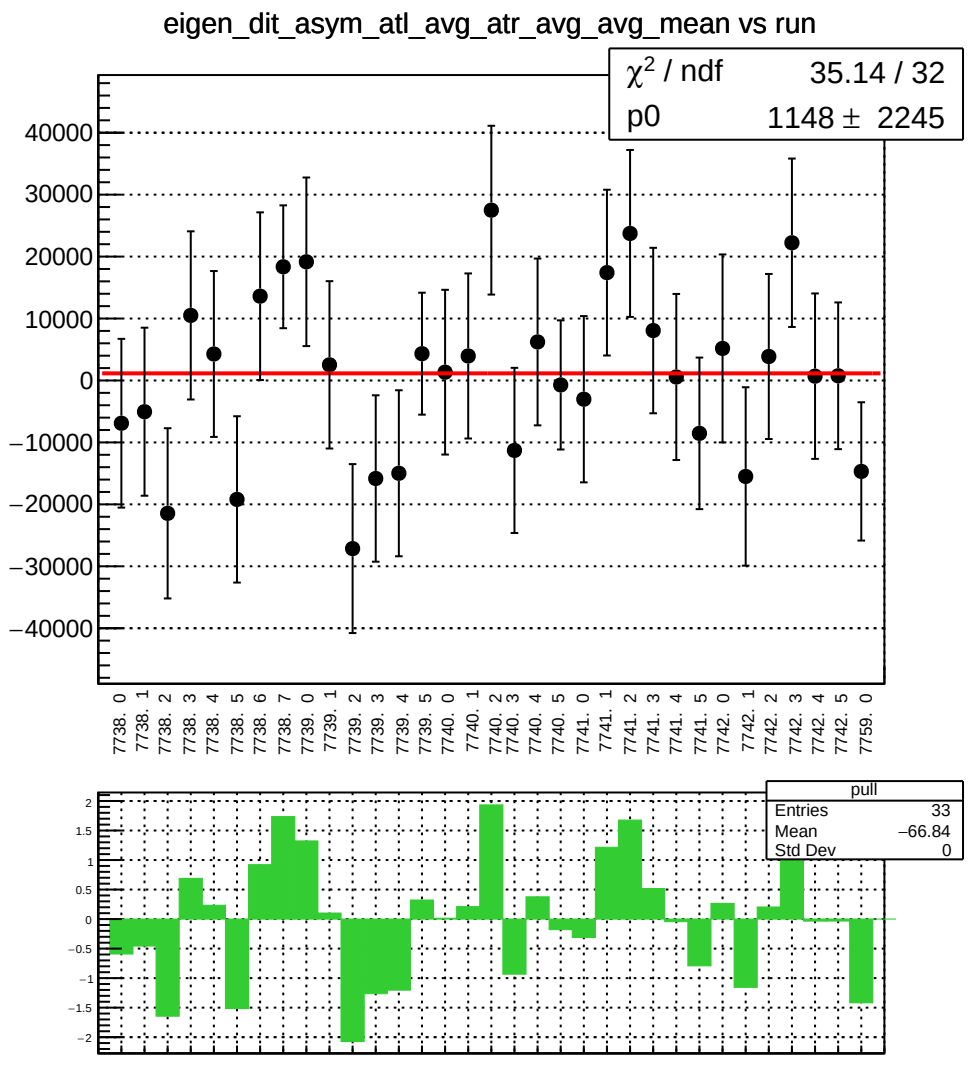

pull1D
Entries 33
Mean −0.0108
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

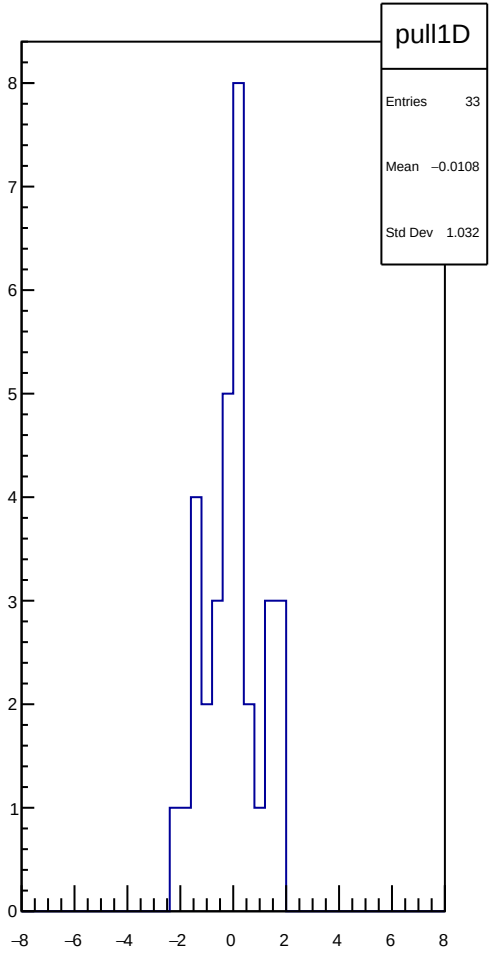

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1036 / 32
p0 1291 ± 1.587
1500
1450
1400
1350
1300
1250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

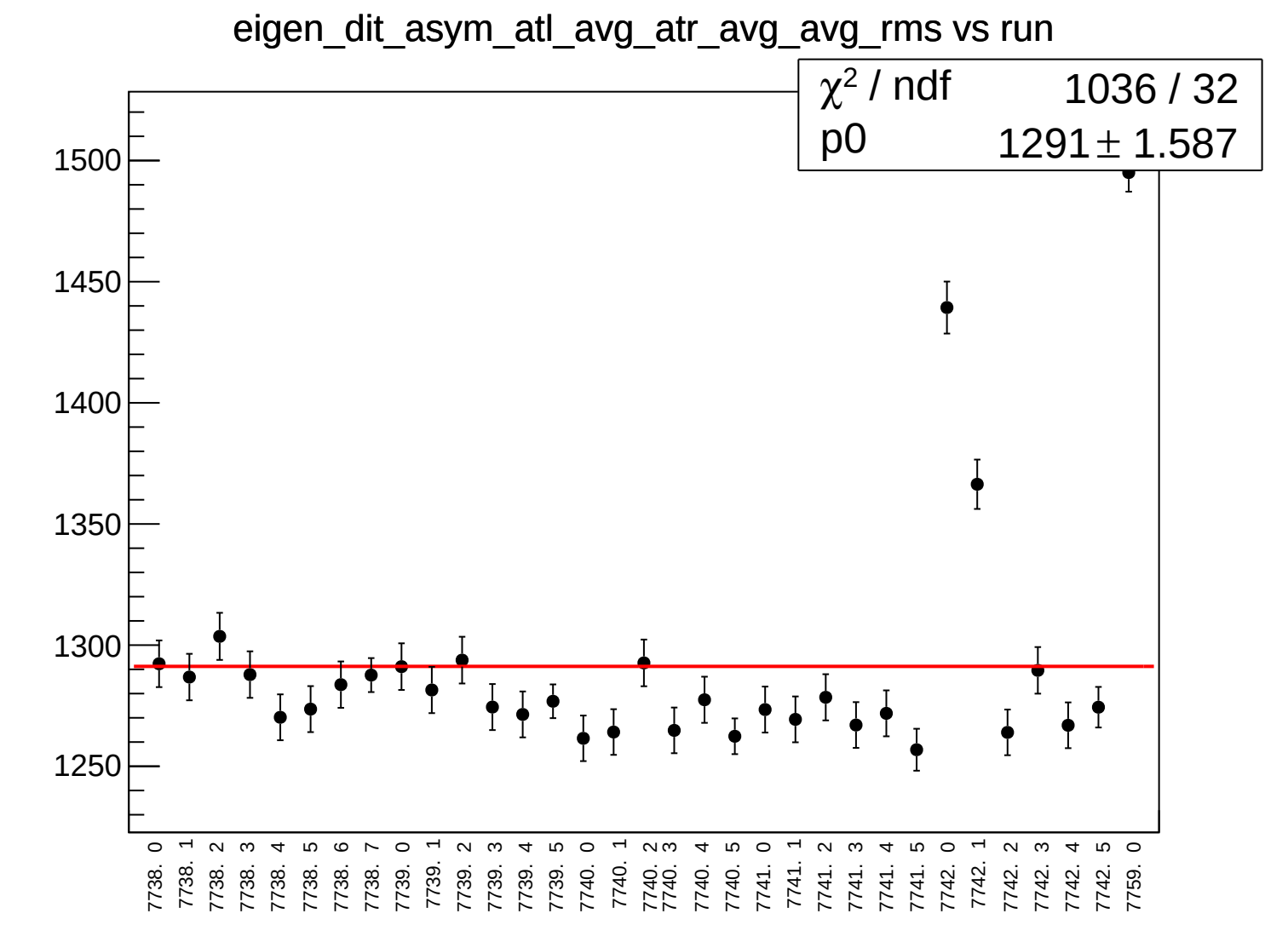

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.75 / 32
p0 −1620 ± 1.266e+04
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

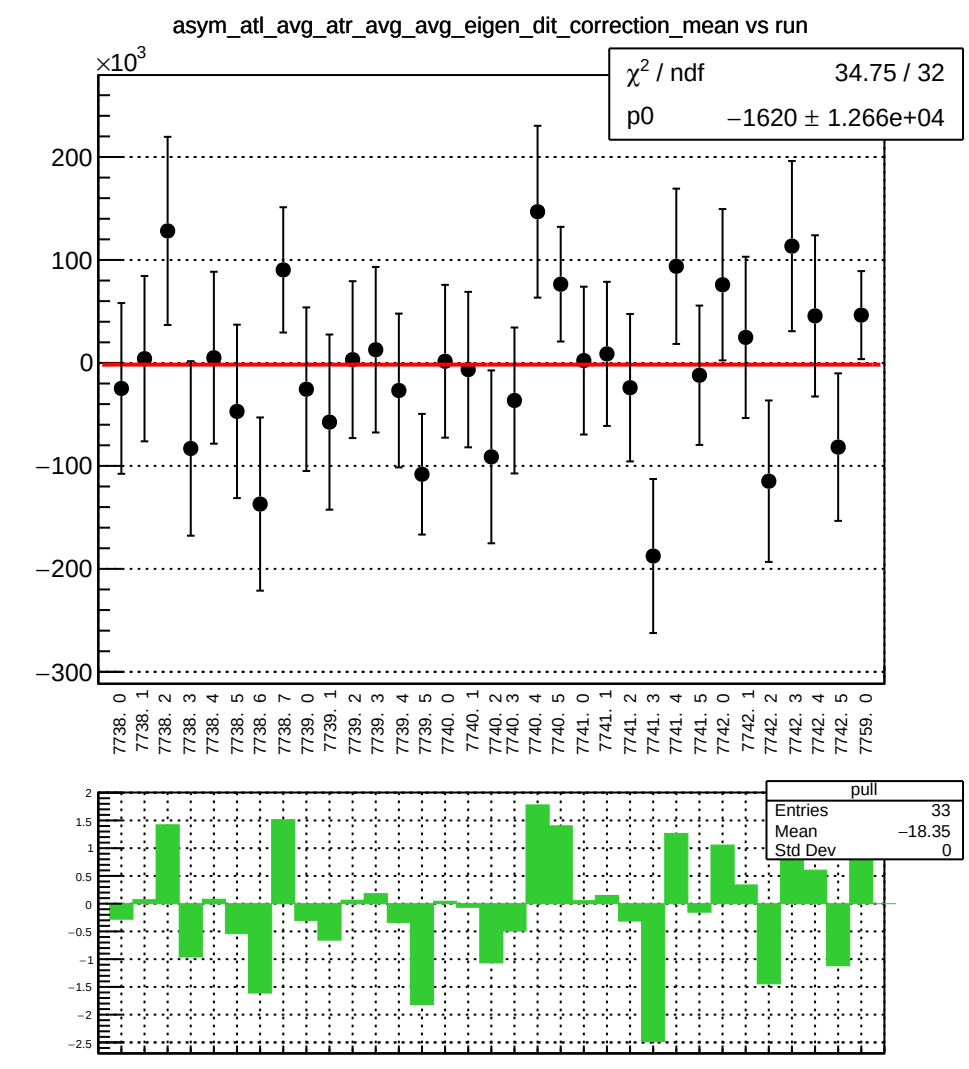

pull1D
Entries 33
Mean −0.03337
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

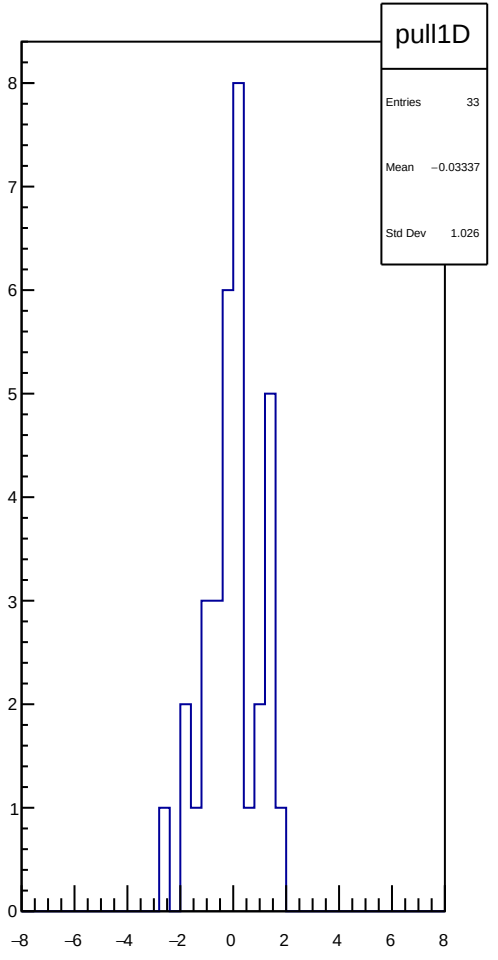

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 5526 / 32
p0 7255 ± 8.949
9000
8500
8000
7500
7000
6500
6000
5500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

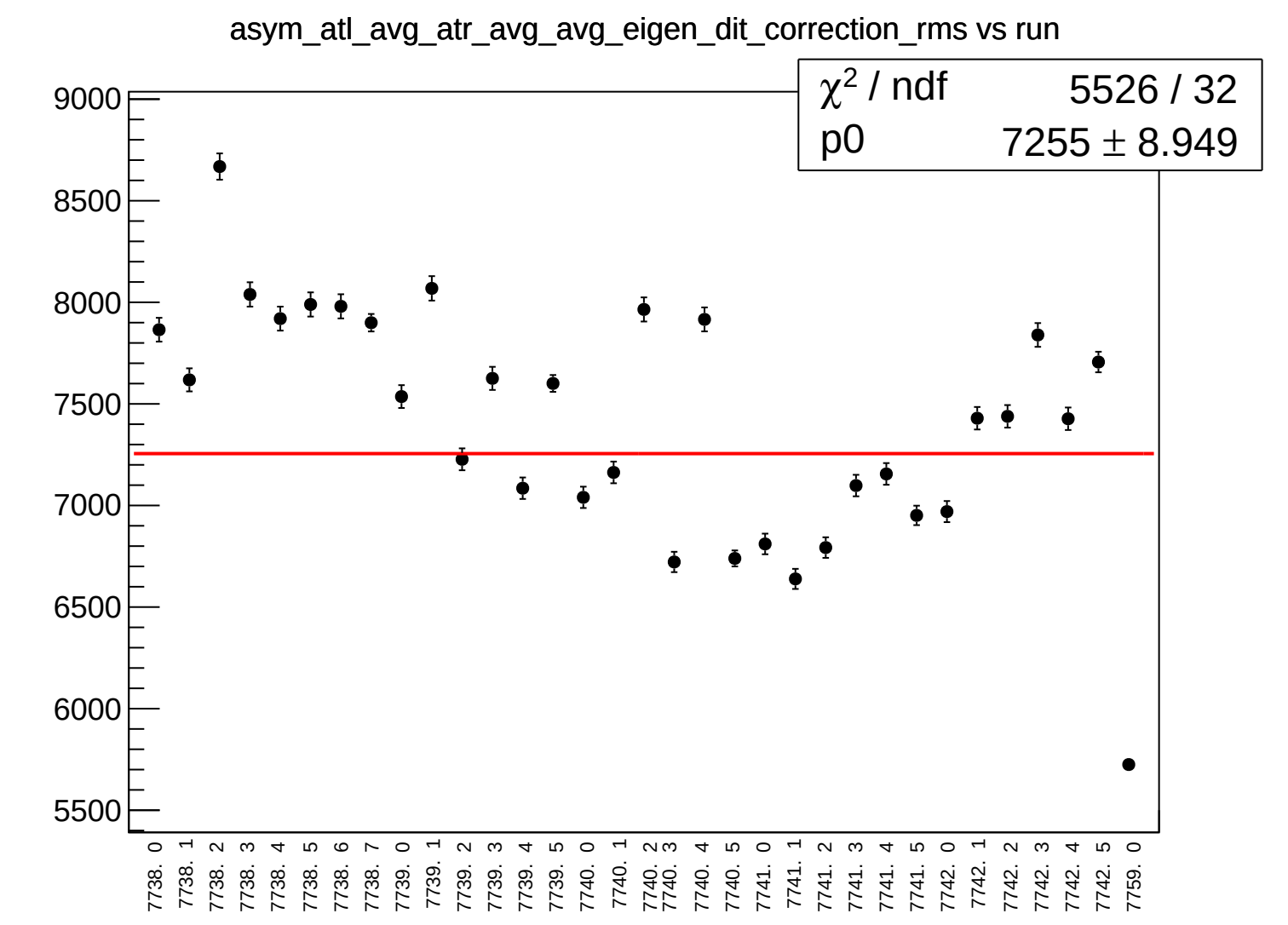

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 35.14 / 32
p0 1148 ± 2245
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −66.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

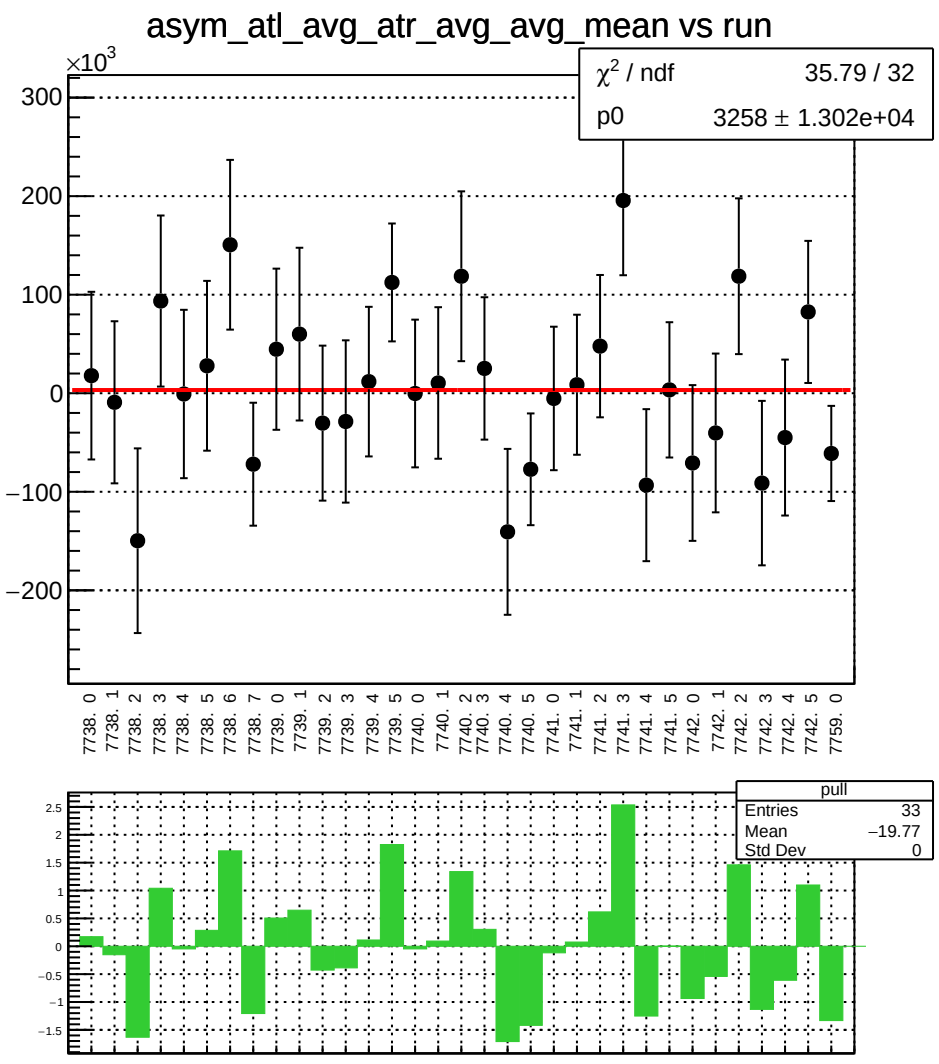

pull1D
Entries 33
Mean −0.0108
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

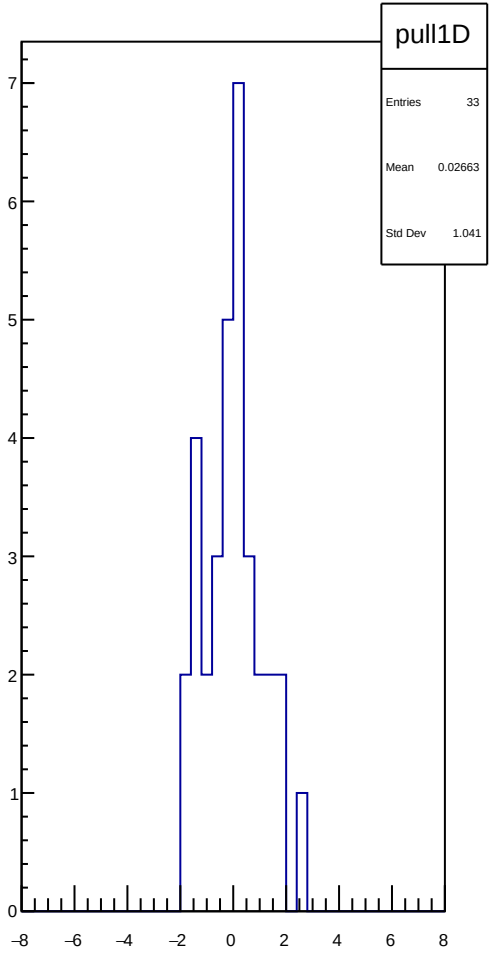

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1036 / 32
p0 1291 ± 1.587
1500
1450
1400
1350
1300
1250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

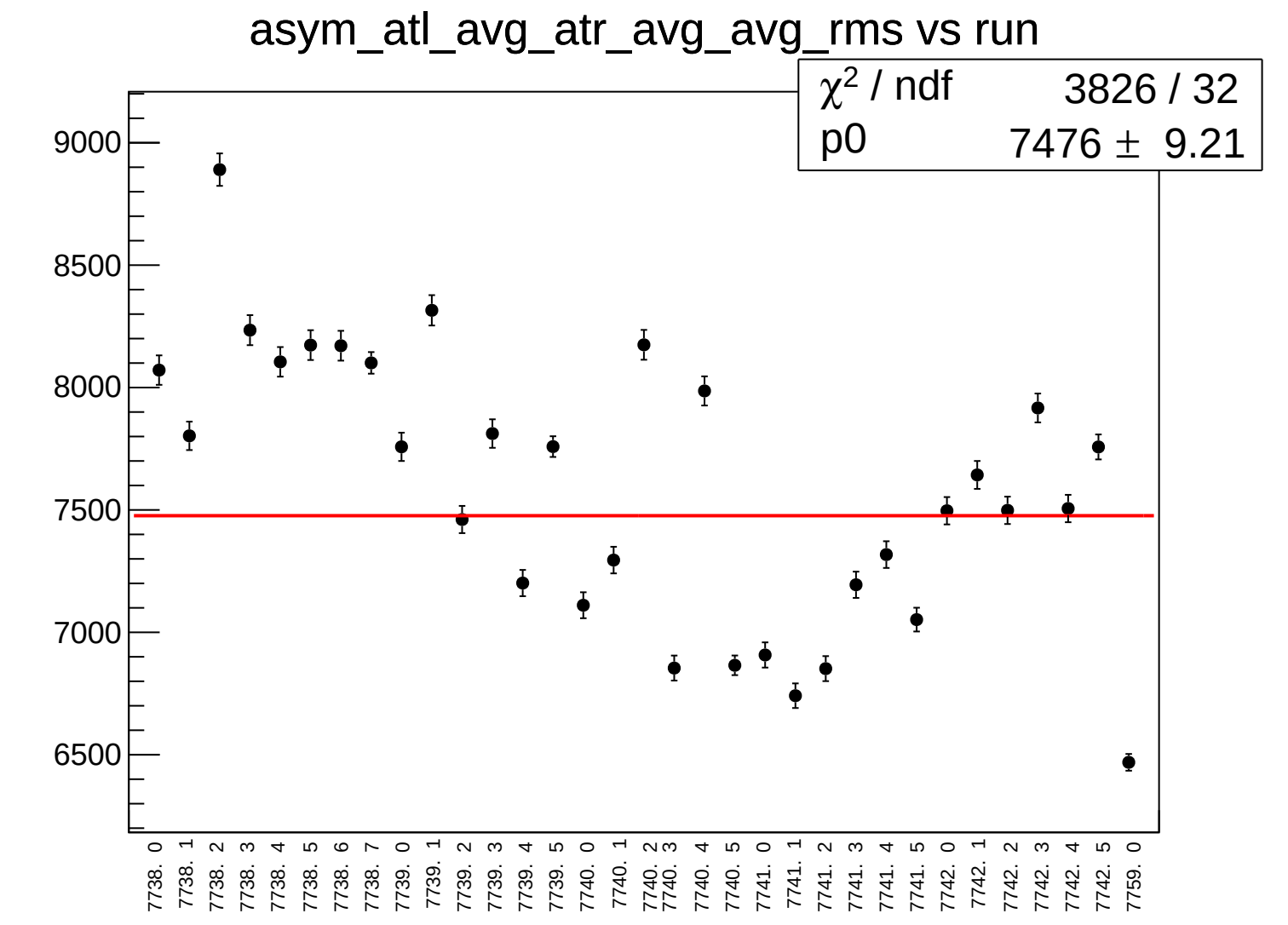

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.75 / 32
p0 −1620 ± 1.266e+04
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

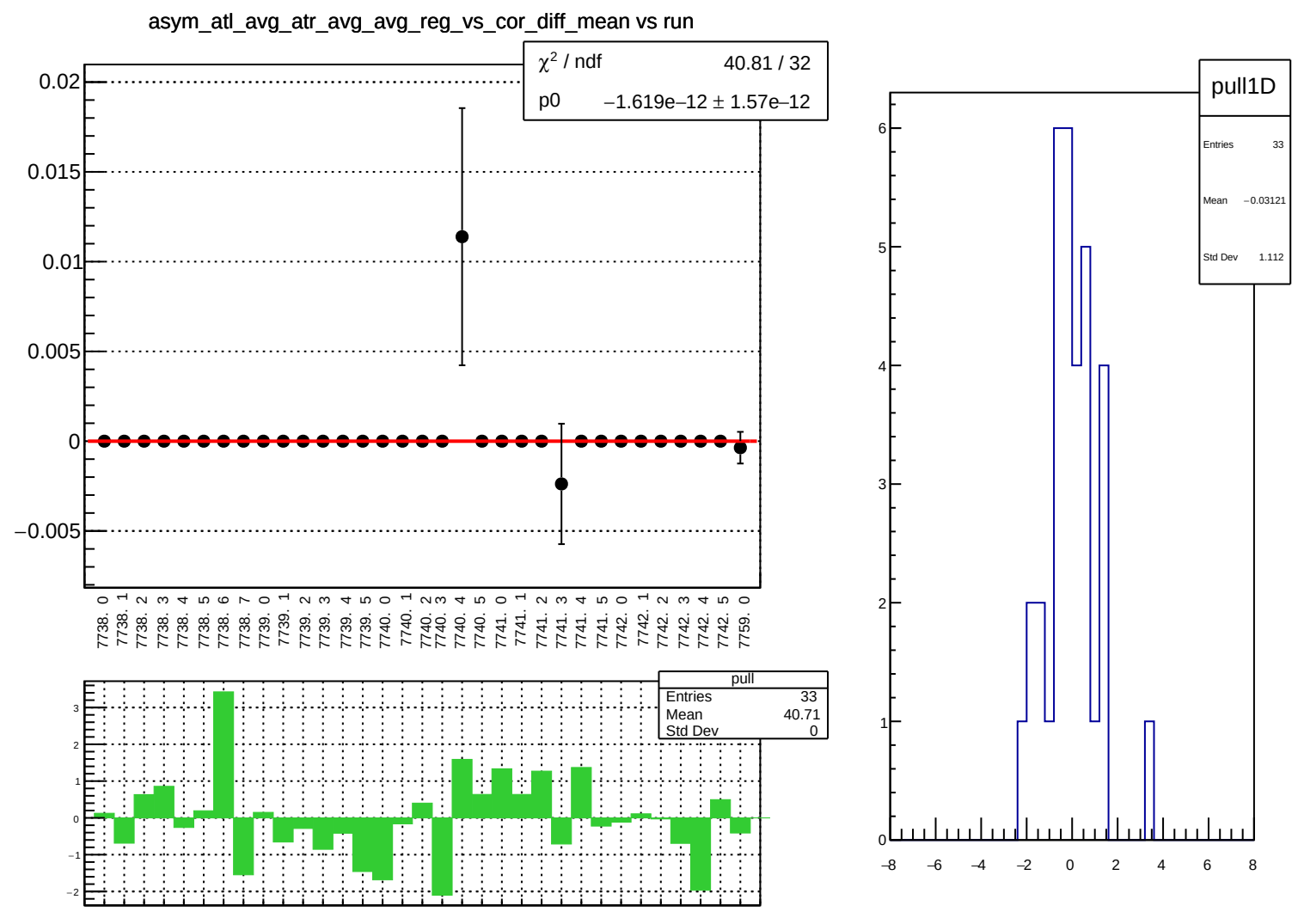

pull1D
Entries 33
Mean −0.03337
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

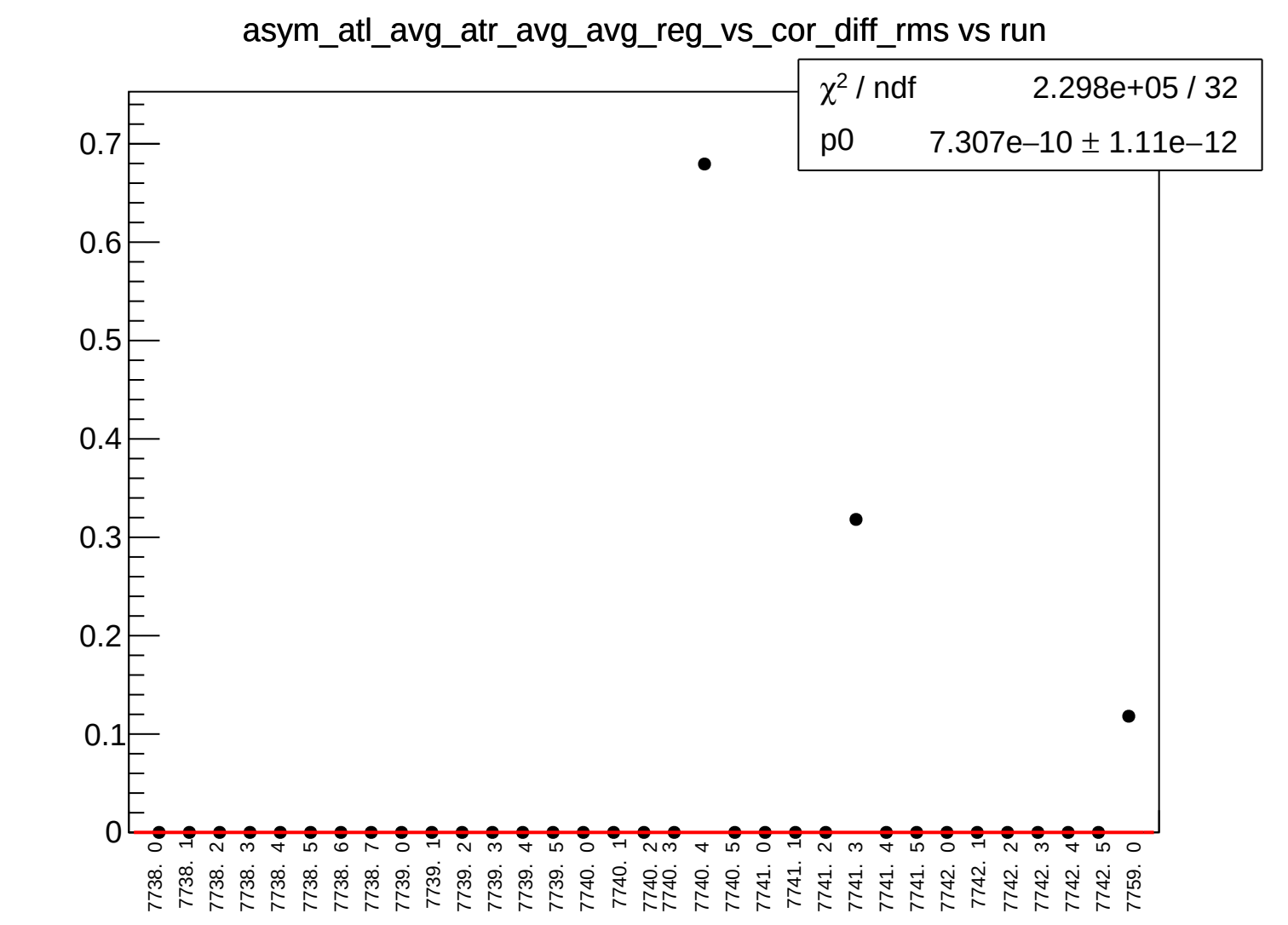

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 5526 / 32
p0 7255 ± 8.949
9000
8500
8000
7500
7000
6500
6000
5500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

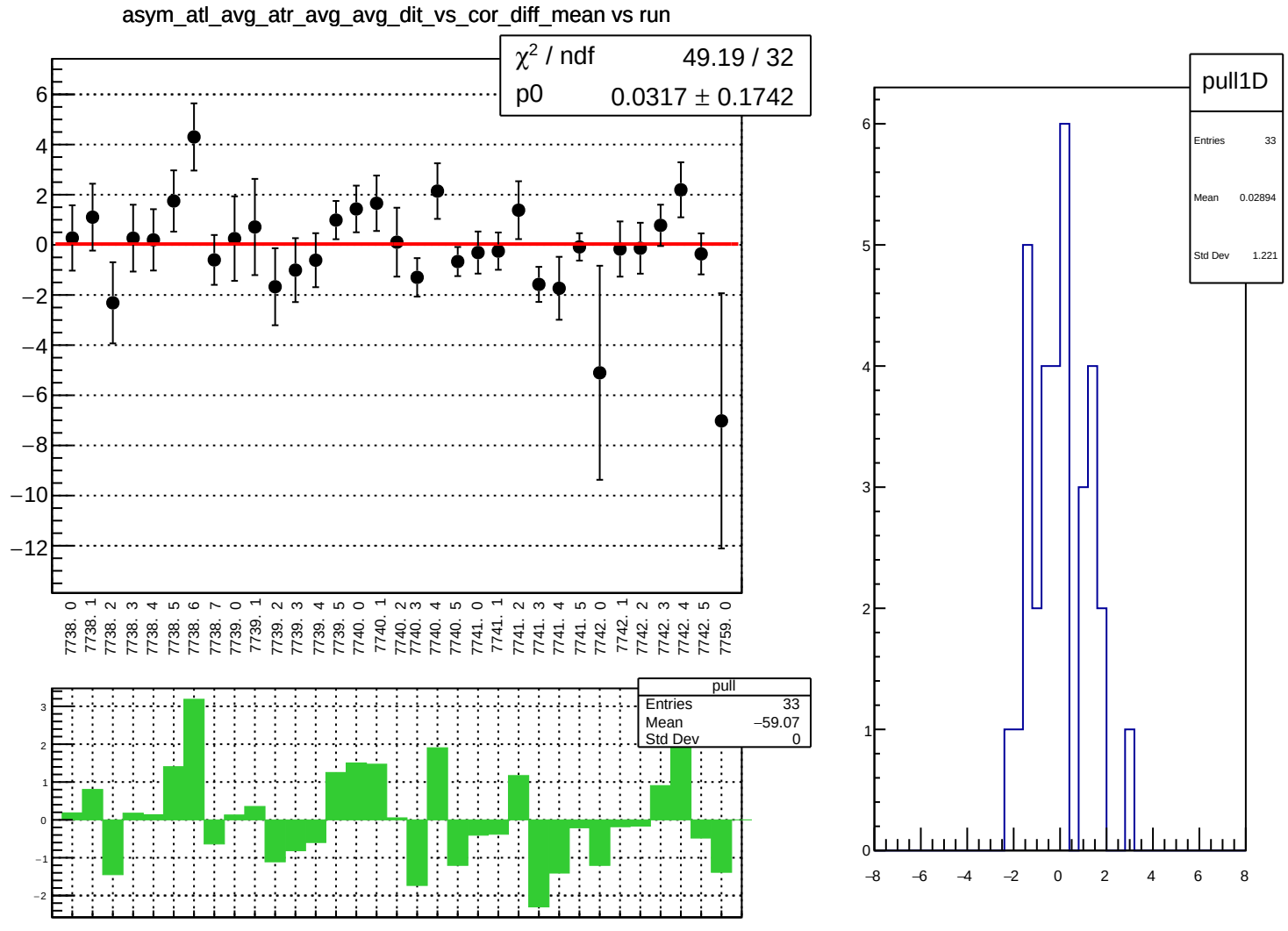

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 35.79 / 32
p0 3258 ± 1.302e+04
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.77
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

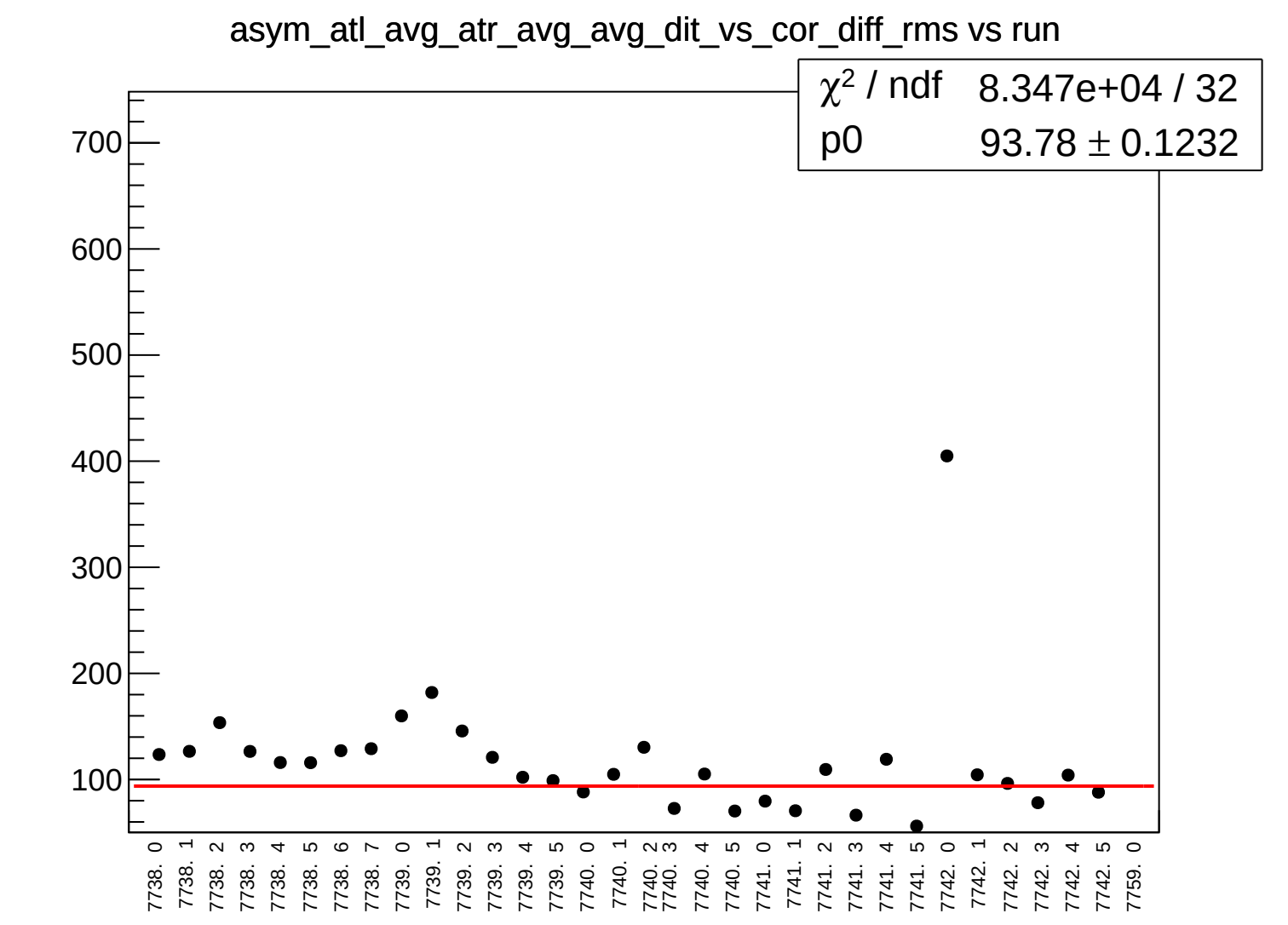

pull1D
Entries 33
Mean 0.02663
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

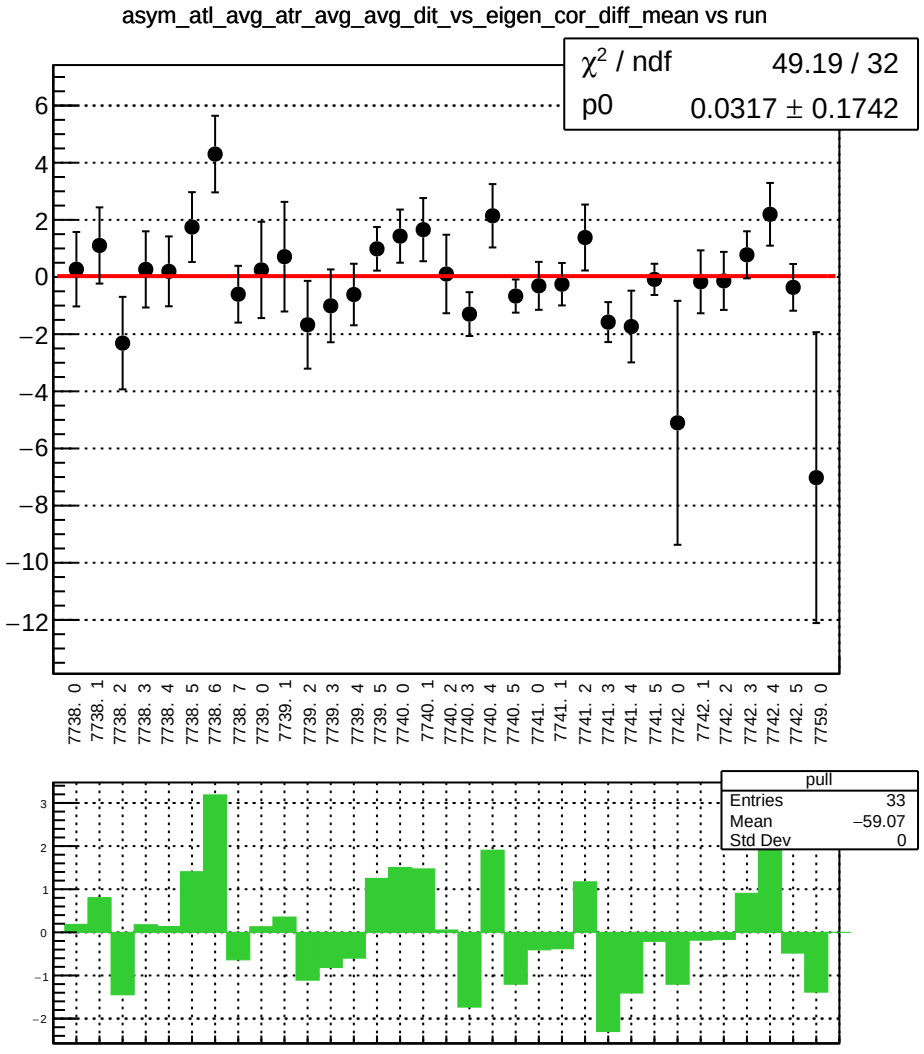

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3826 / 32
p0 7476 ± 9.21
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

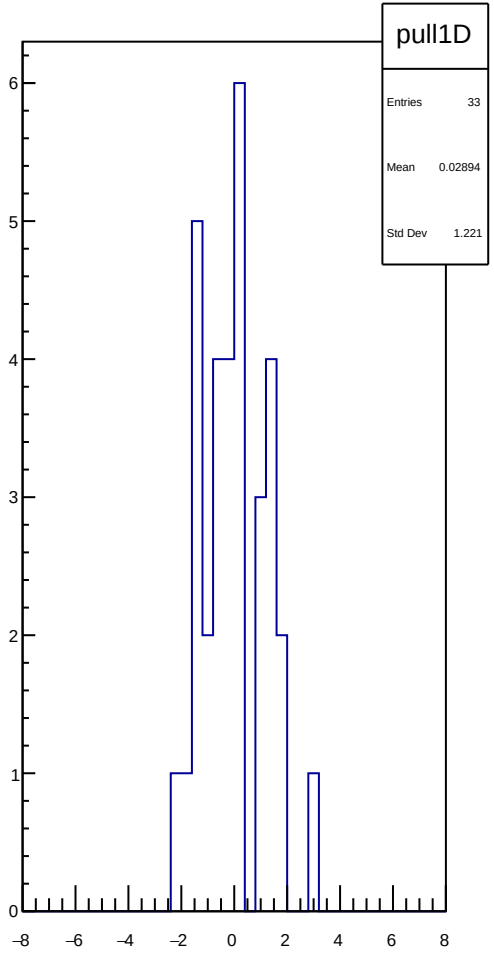

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.81 / 32
p0 −1.619e−12 ± 1.57e−12
0.02
0.015
0.01
0.005
0
−0.005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 40.71
Std Dev 0
pull1D
Entries 33
Mean −0.03121
Std Dev 1.112

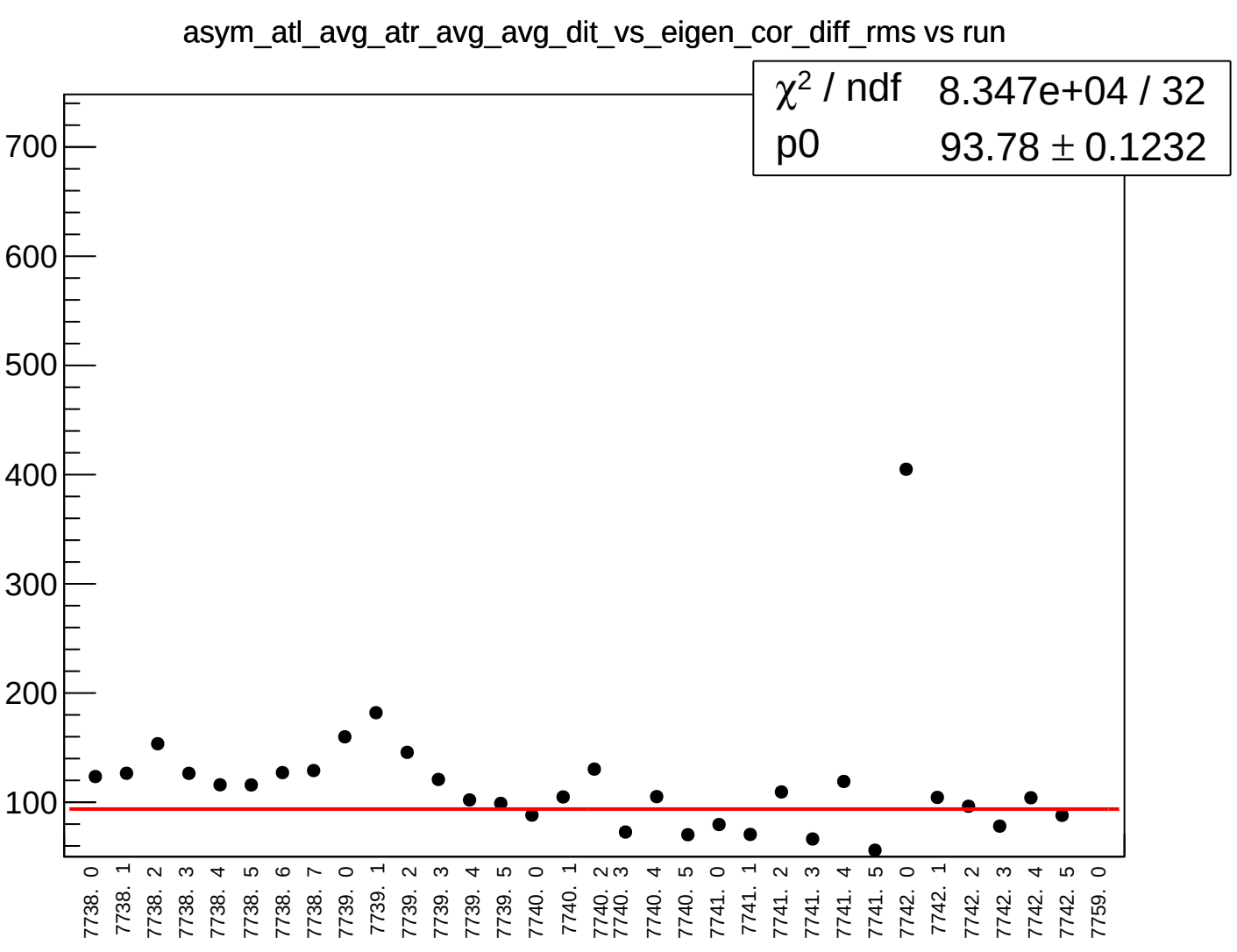

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.298e+05 / 32
p0 7.307e−10 ± 1.11e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

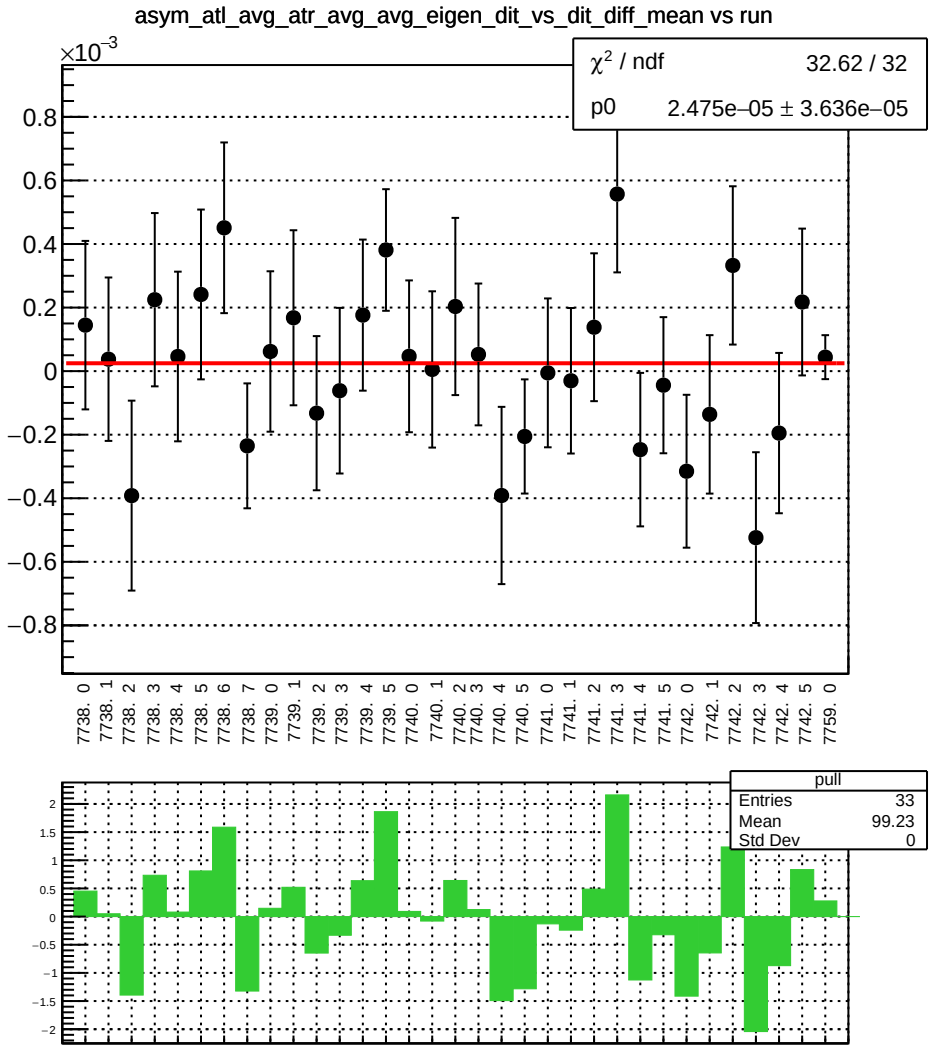

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.19 / 32
p0 0.0317 ± 0.1742
pull
Entries 33
Mean −59.07
Std Dev 0
pull1D
Entries 33
Mean 0.02894
Std Dev 1.221

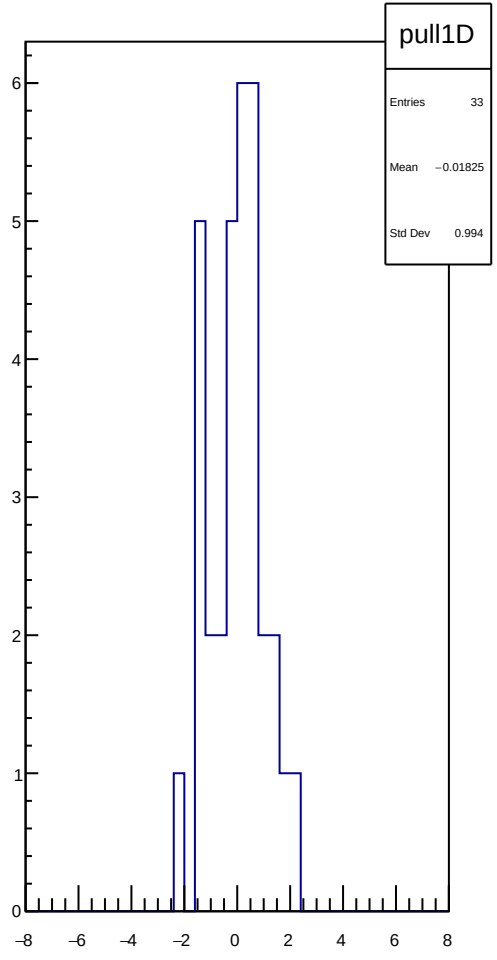

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.347e+04 / 32
p0 93.78 ± 0.1232
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

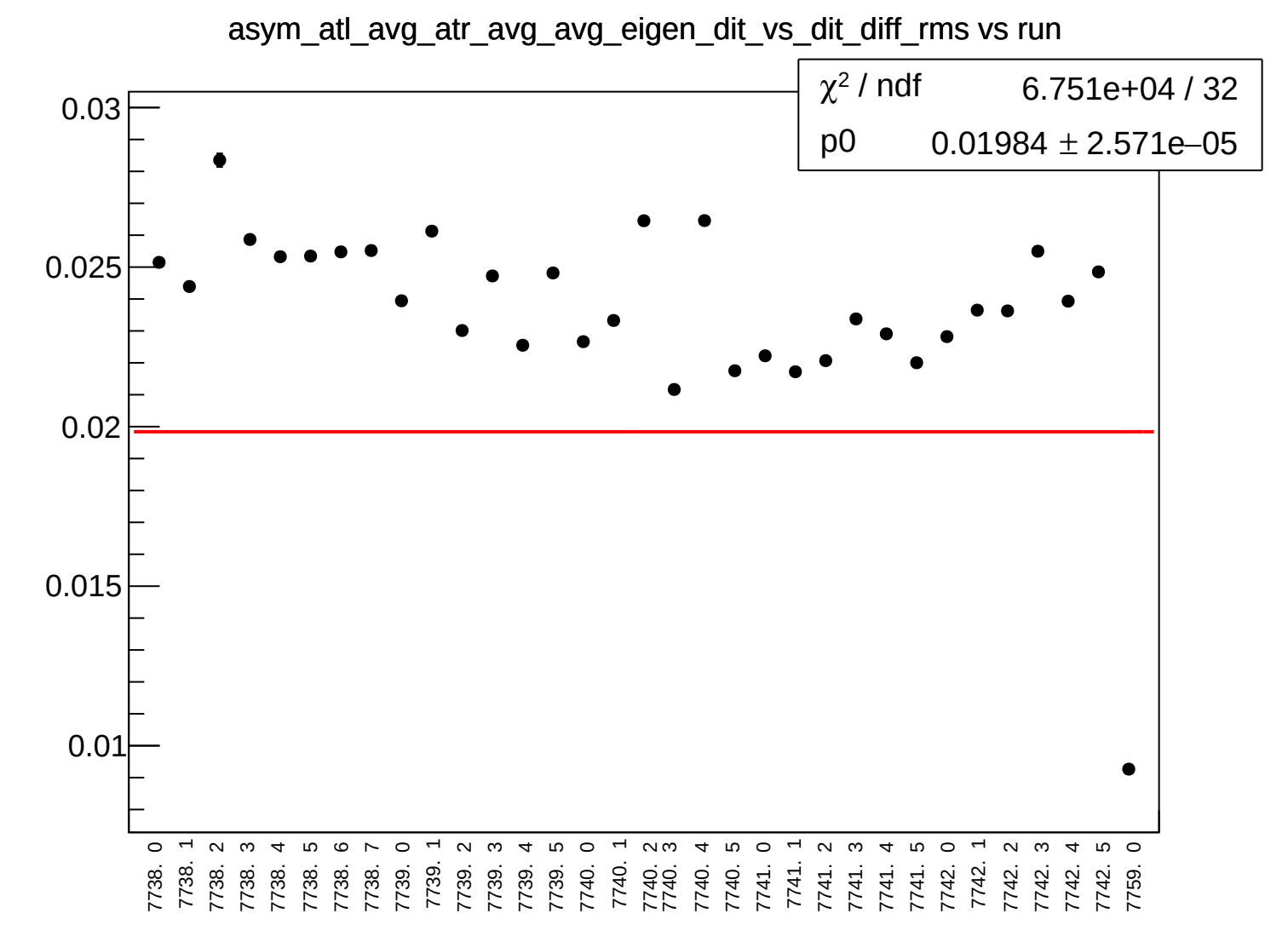

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.19 / 32
p0 0.0317 ± 0.1742
6
4
2
0
−2
−4
−6
−8
−10
−12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.07
Std Dev 0
3
2
1
0
−1
−2

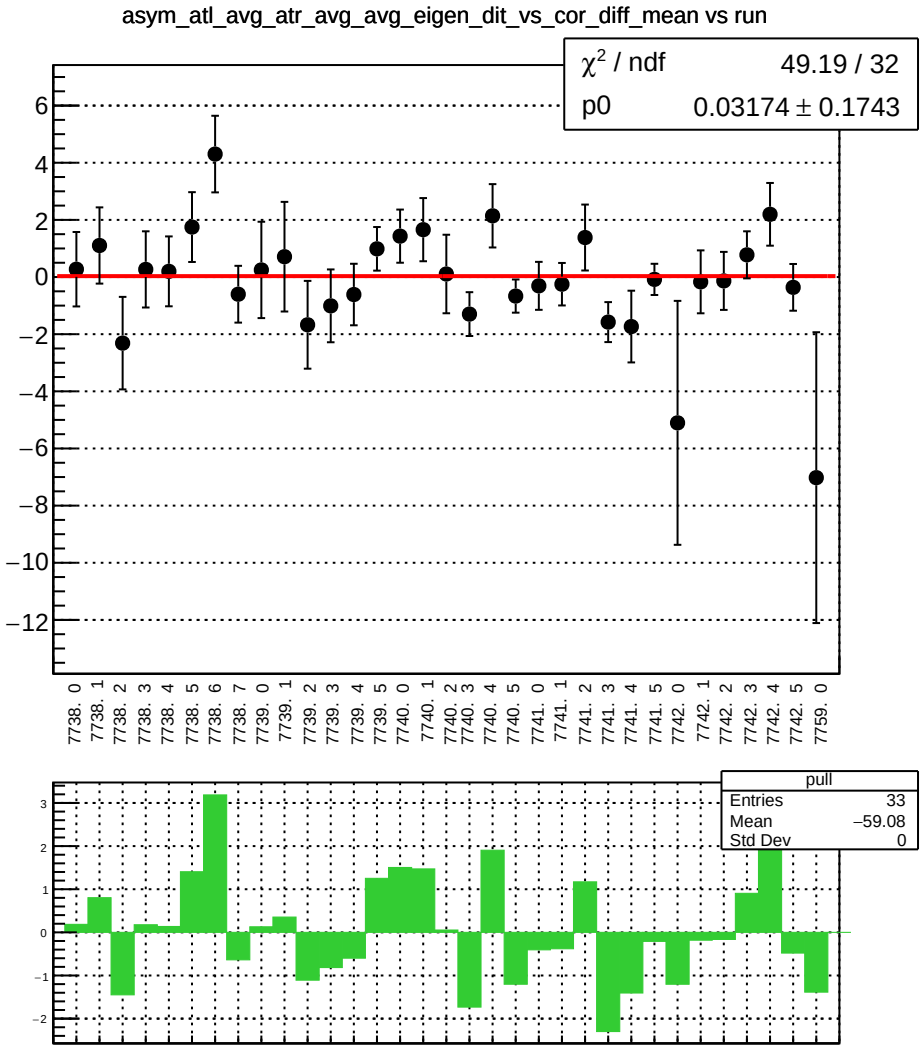

pull1D
Entries 33
Mean 0.02894
Std Dev 1.221
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

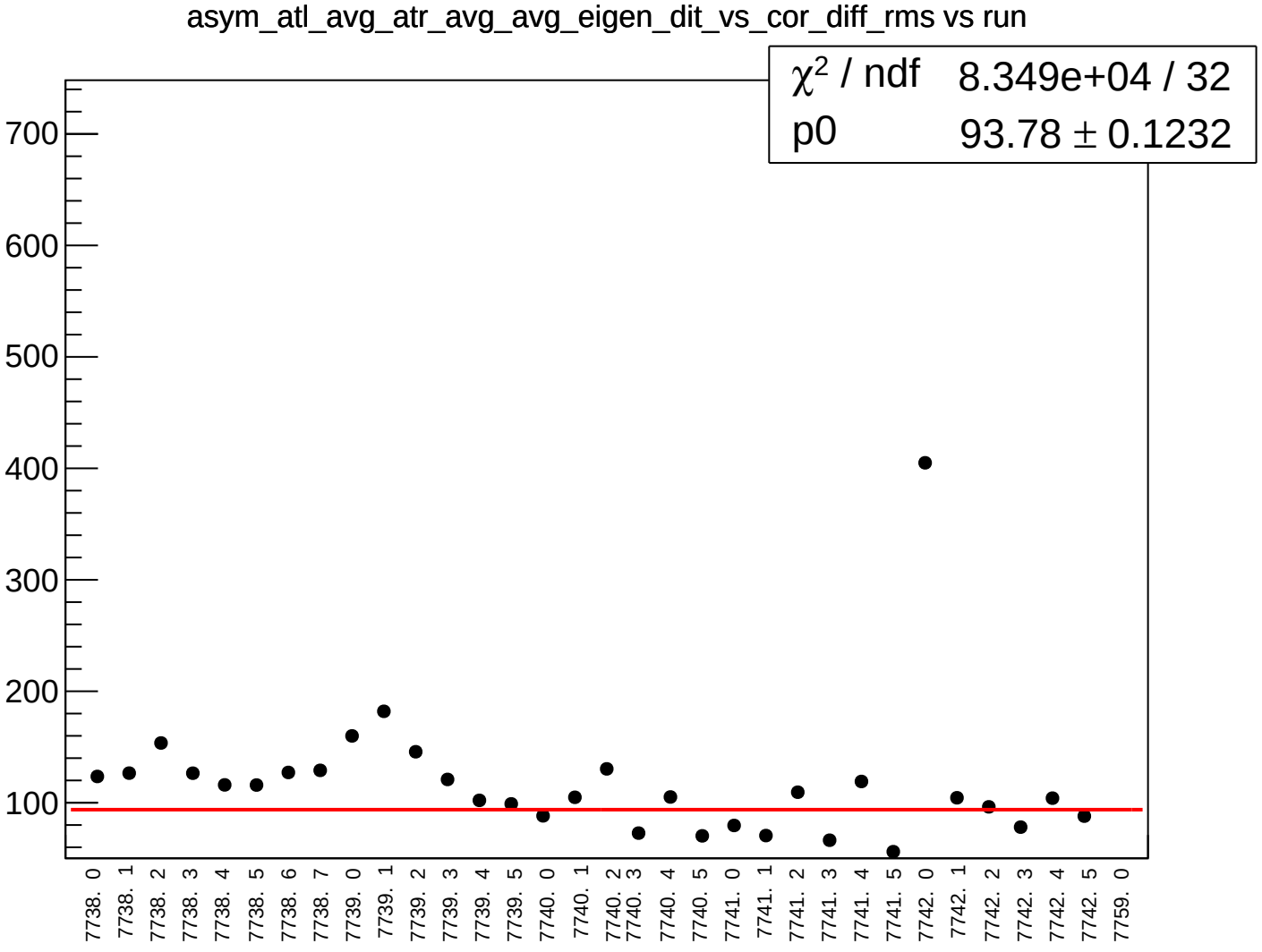

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.347e+04 / 32
p0 93.78 ± 0.1232
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

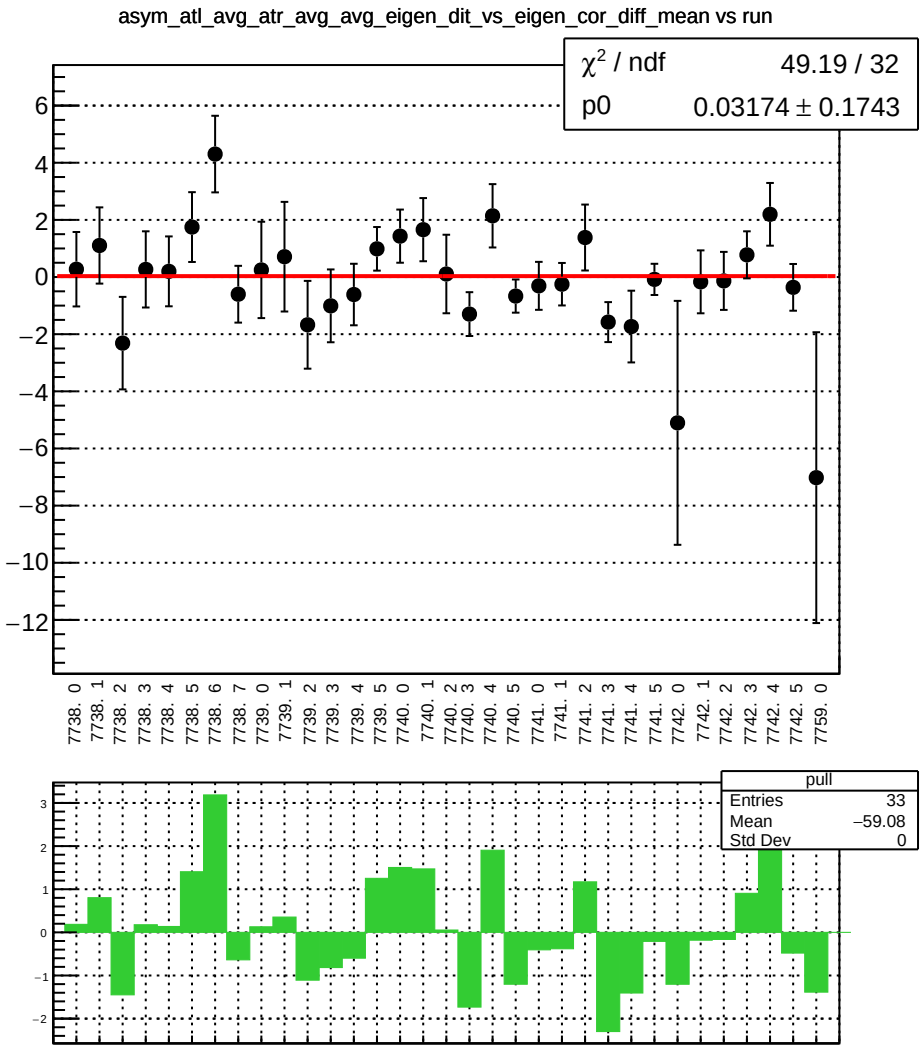

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.62 / 32
p0 2.475e−05 ± 3.636e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 99.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

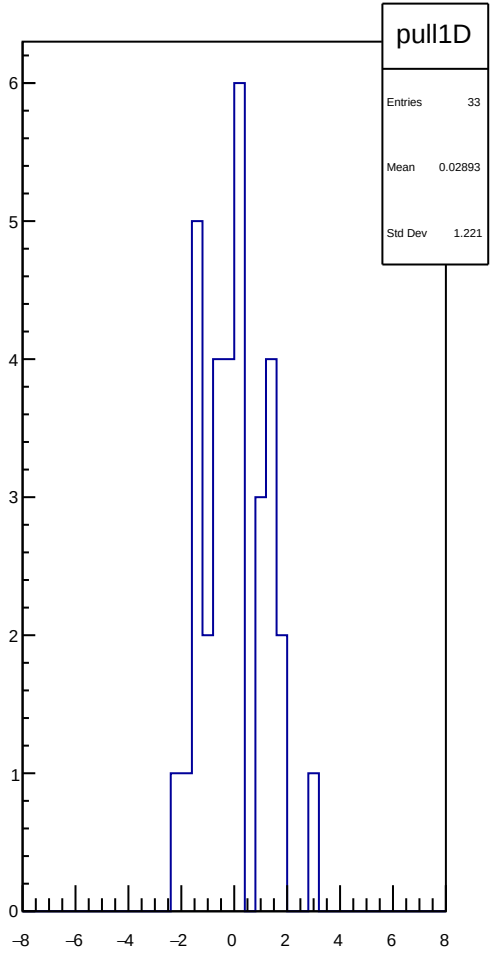

pull1D
Entries 33
Mean −0.01825
Std Dev 0.994
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

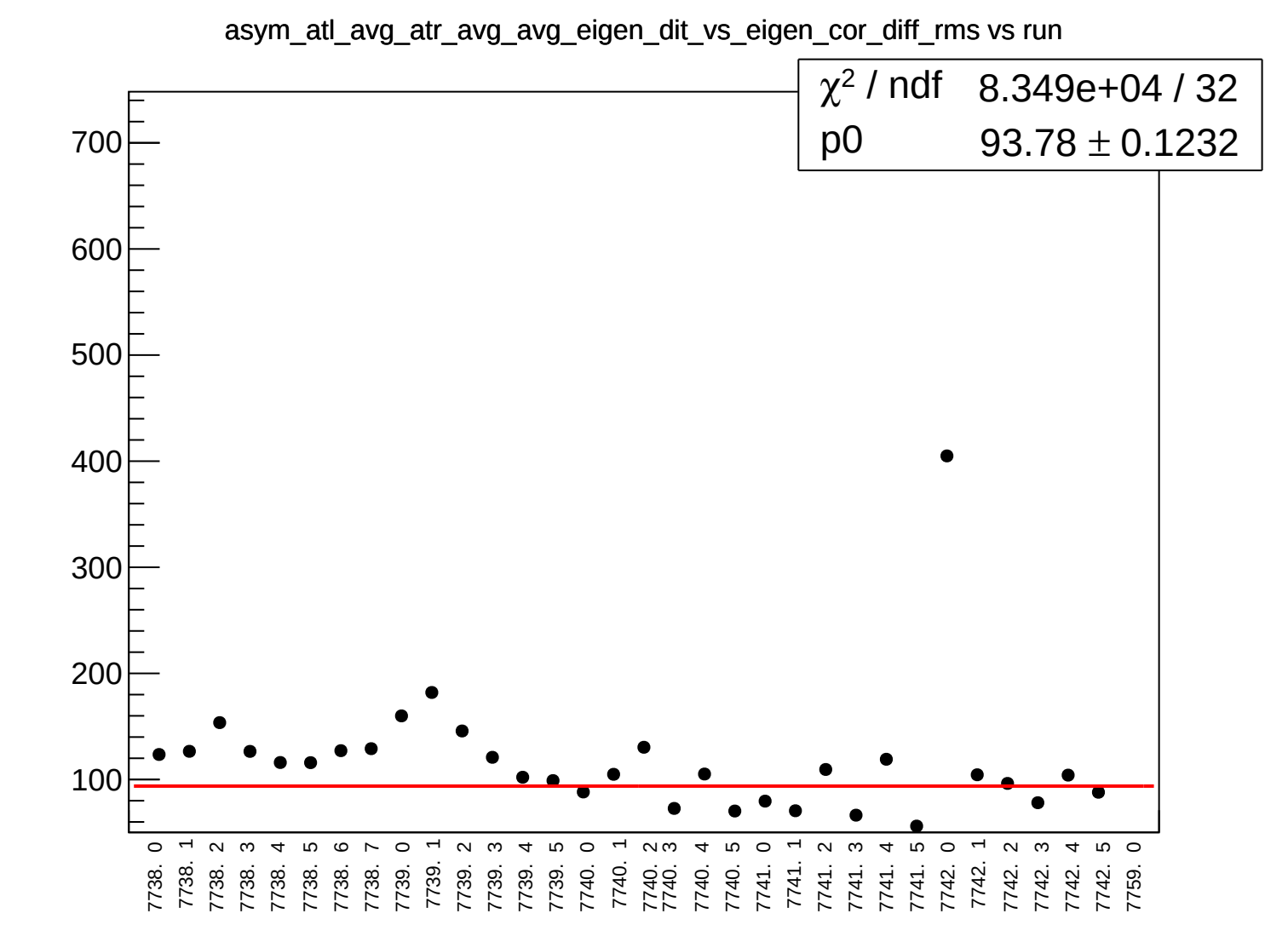

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.751e+04 / 32
p0 0.01984 ± 2.571e−05
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

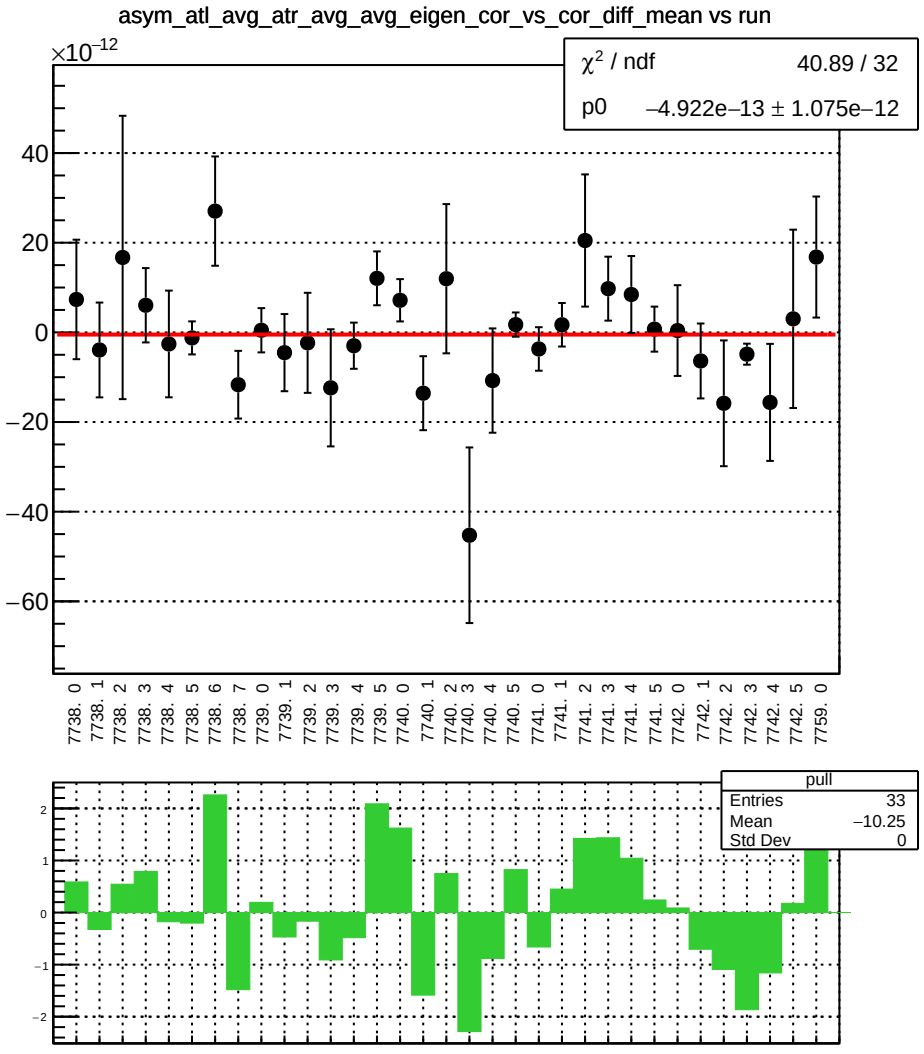

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.19 / 32
p0 0.03174 ± 0.1743
6
4
2
0
−2
−4
−6
−8
−10
−12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.08
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.02893
Std Dev 1.221
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

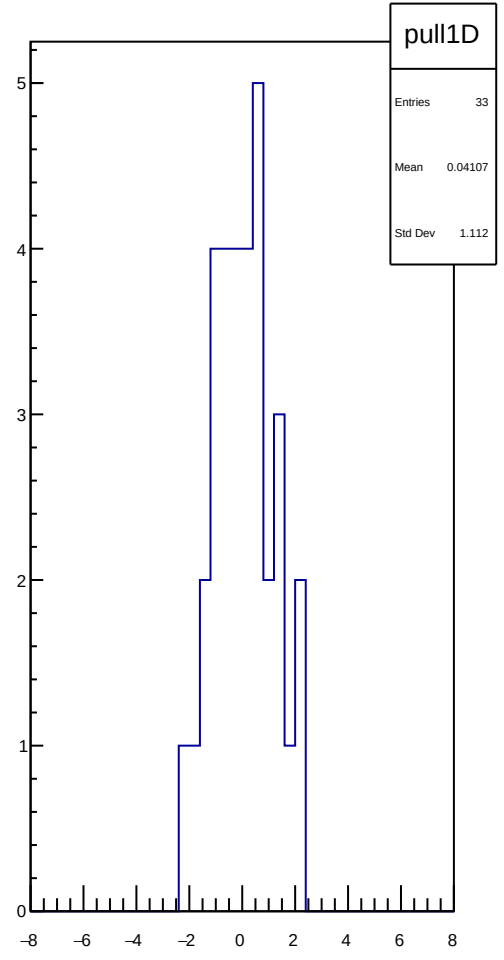

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.349e+04 / 32
p0 93.78 ± 0.1232
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

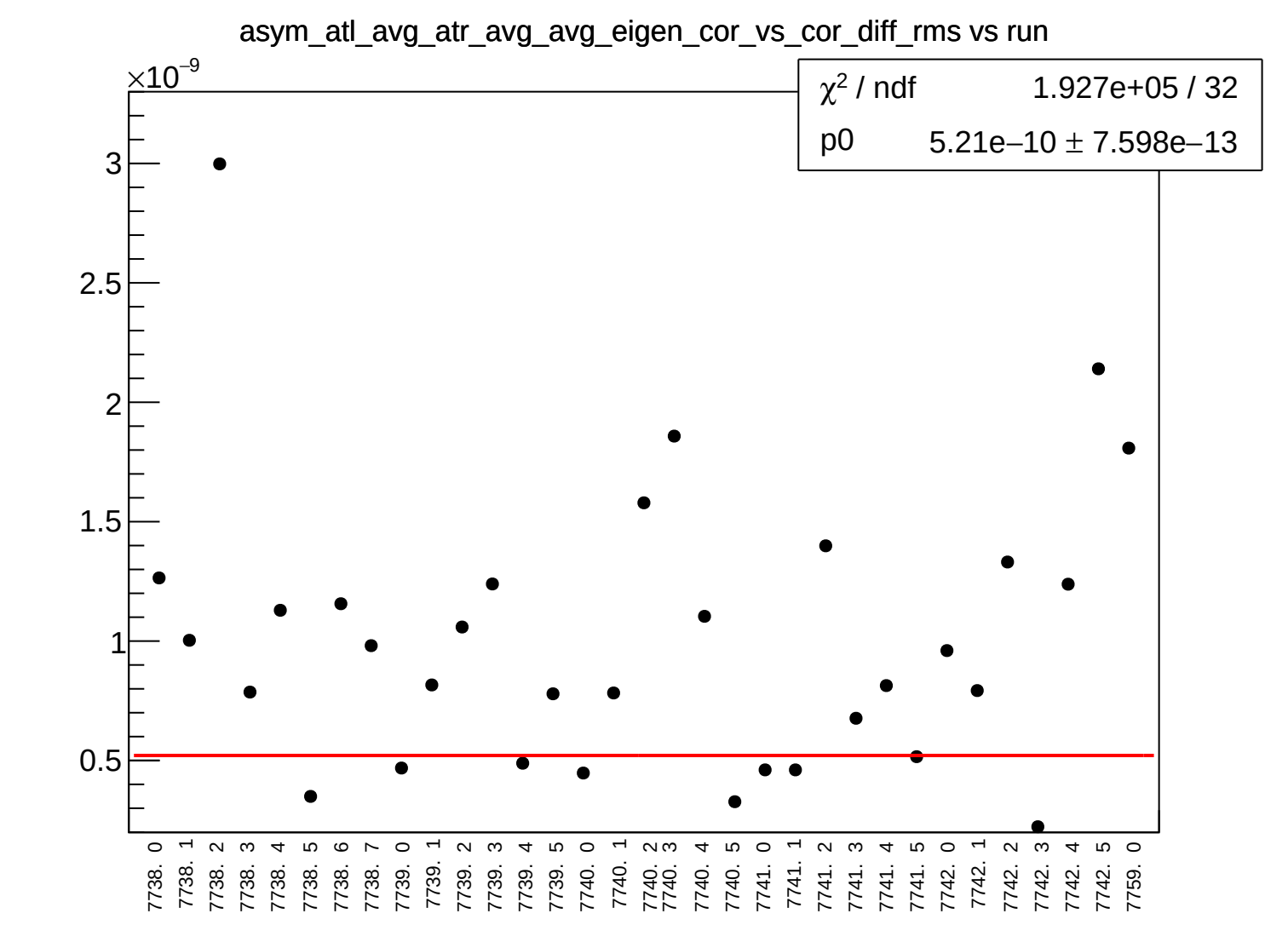

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.19 / 32
p0 0.03174 ± 0.1743
pull
Entries 33
Mean −59.08
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

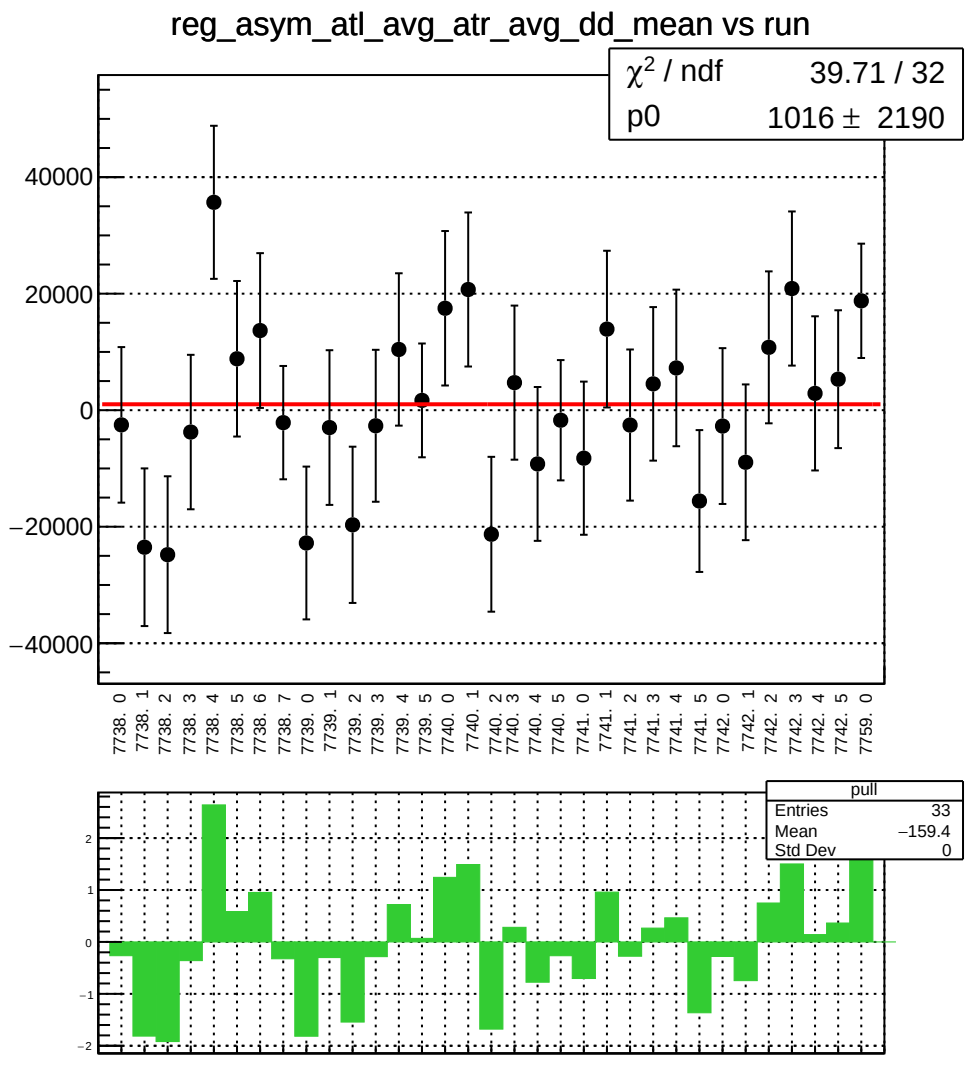

pull1D
Entries 33
Mean 0.02893
Std Dev 1.221

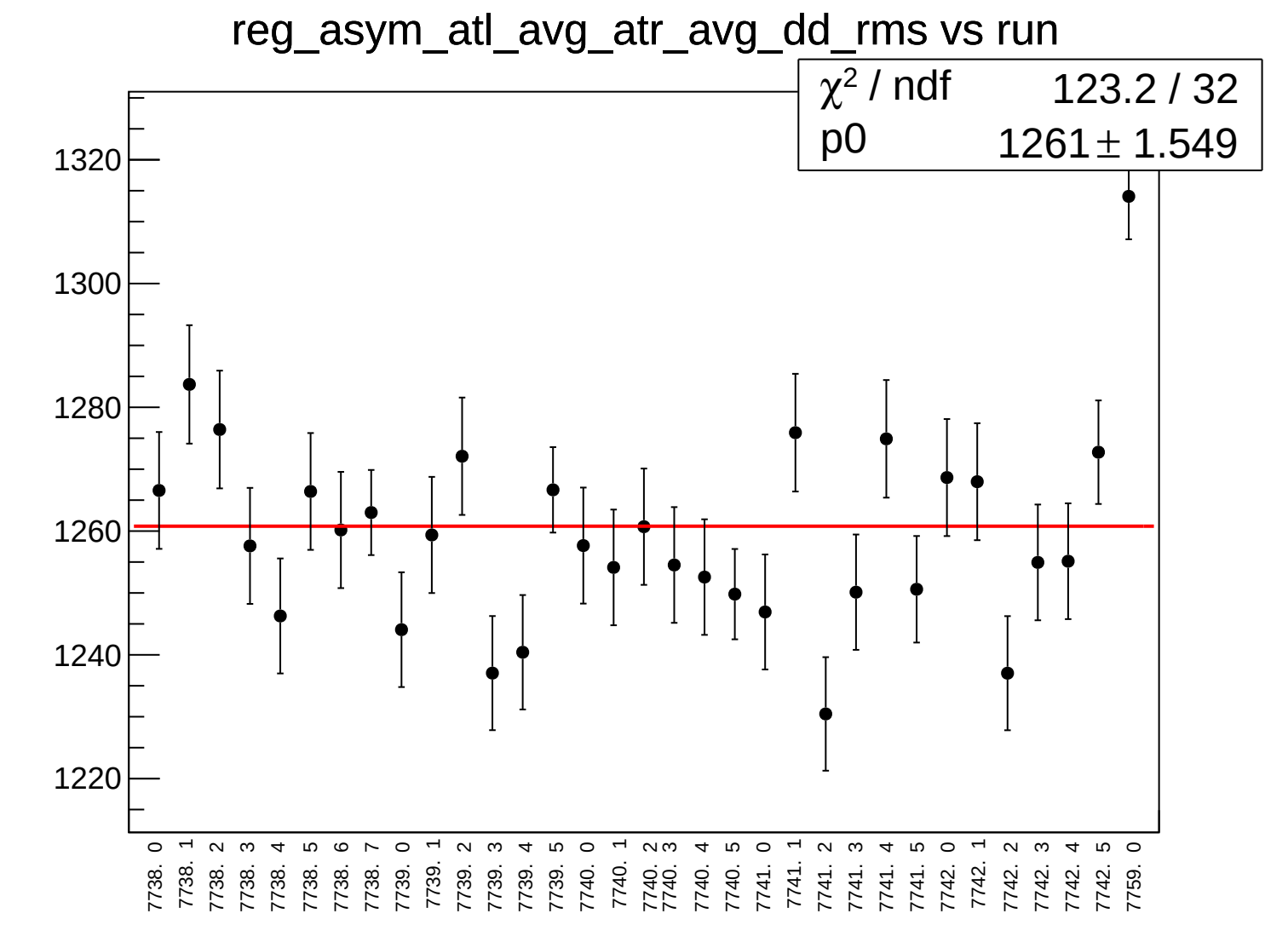

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.349e+04 / 32
p0 93.78 ± 0.1232
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

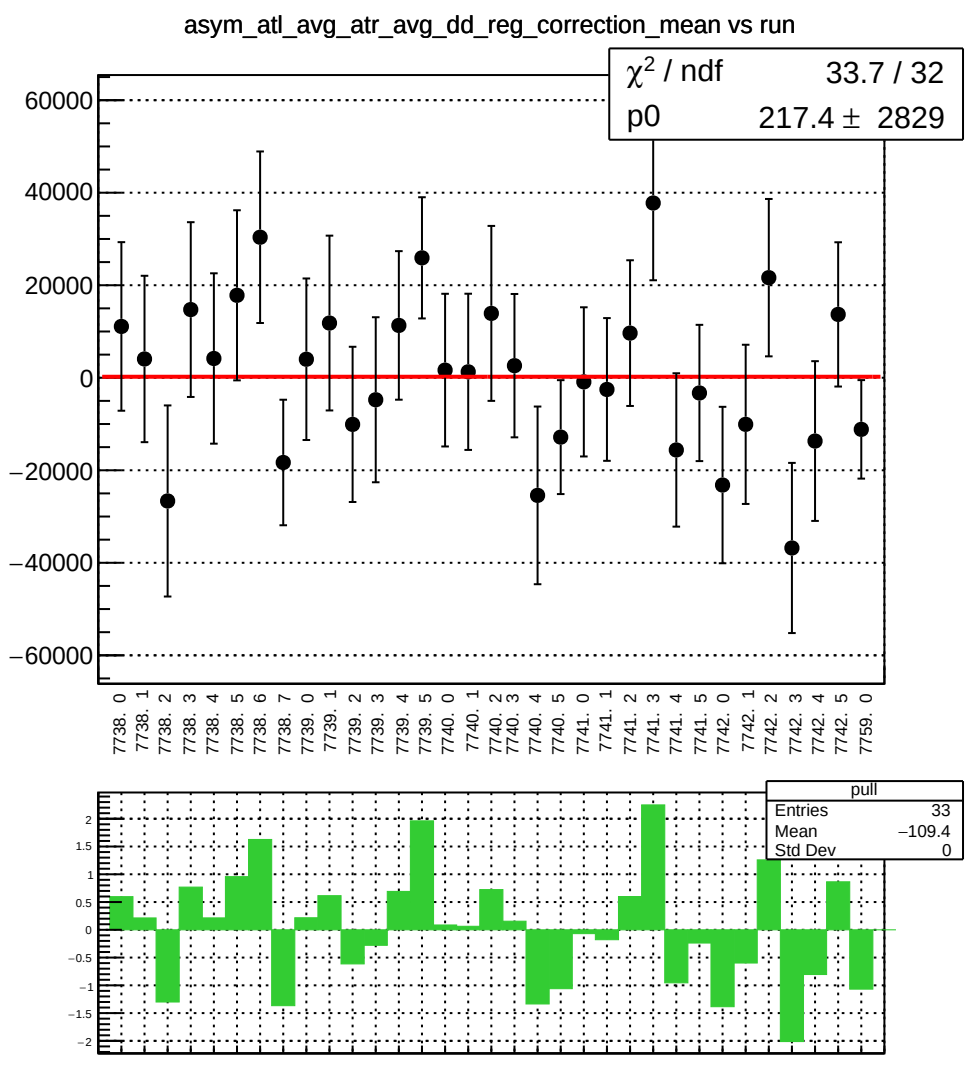

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.89 / 32
p0 −4.922e−13 ± 1.075e−12
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.25
Std Dev 0
2
1
0
−1
−2

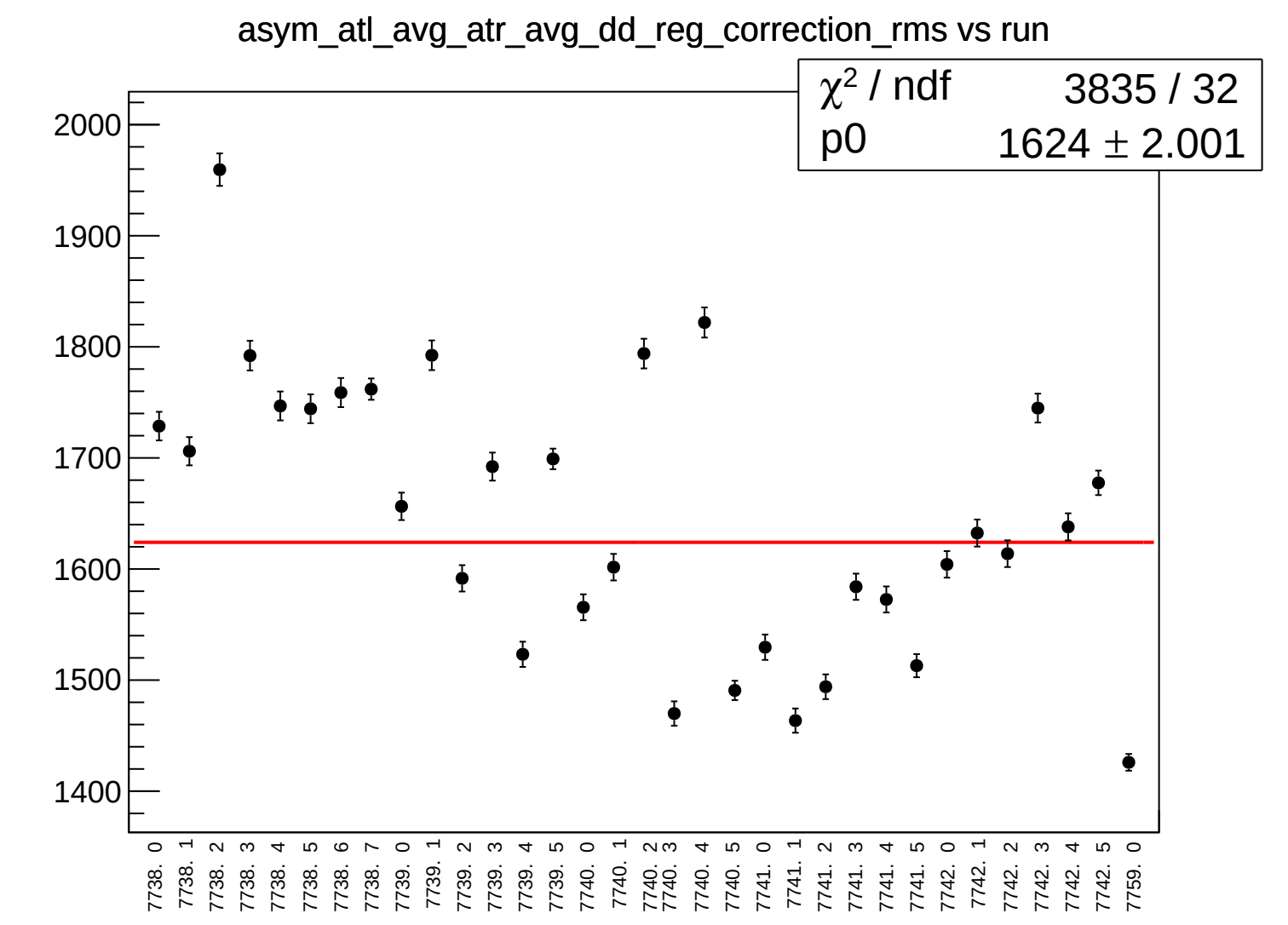

pull1D
Entries 33
Mean 0.04107
Std Dev 1.112
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.927e+05 / 32
p0 5.21e−10 ± 7.598e−13
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.71 / 32
p0 1016 ± 2190
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −159.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01447
Std Dev 1.097
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 123.2 / 32
p0 1261 ± 1.549
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 33.7 / 32
p0 217.4 ± 2829
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −109.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01821
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 3835 / 32
p0 1624 ± 2.001
2000
1900
1800
1700
1600
1500
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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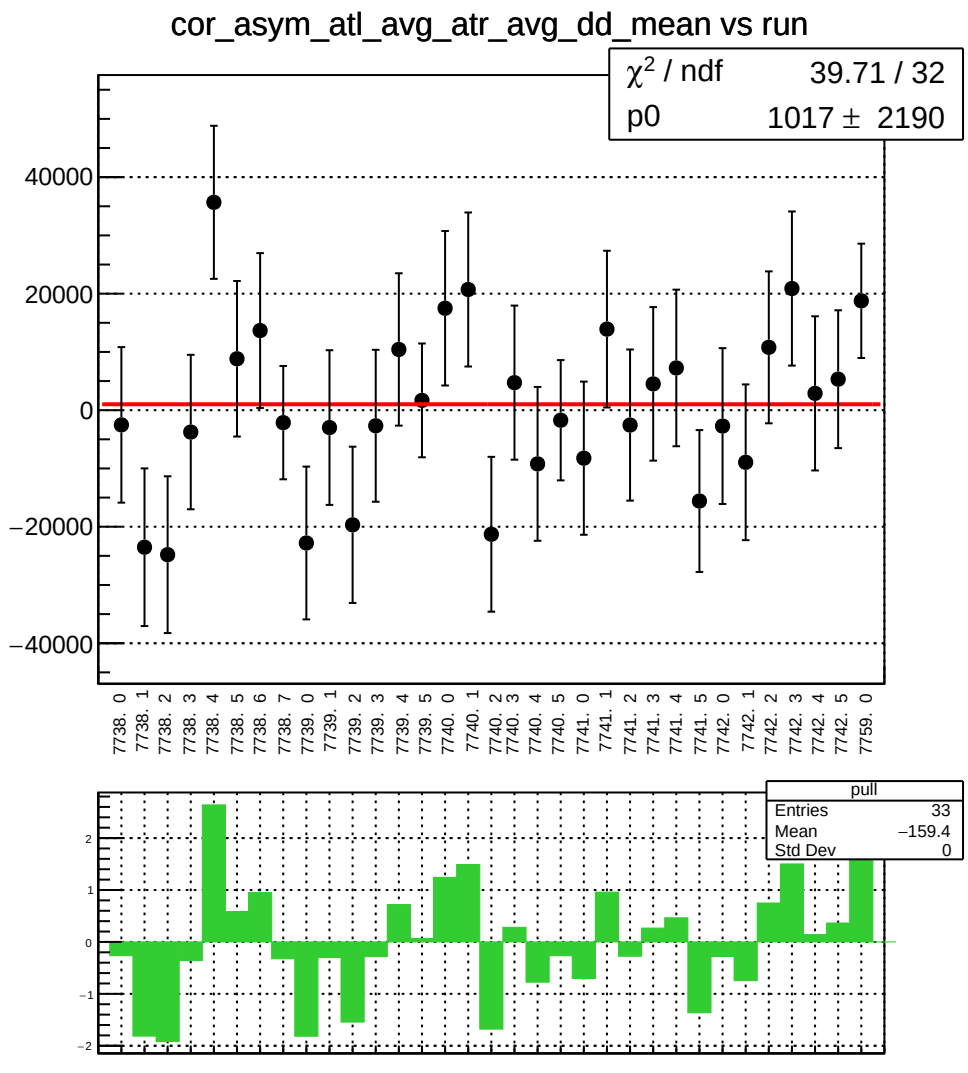
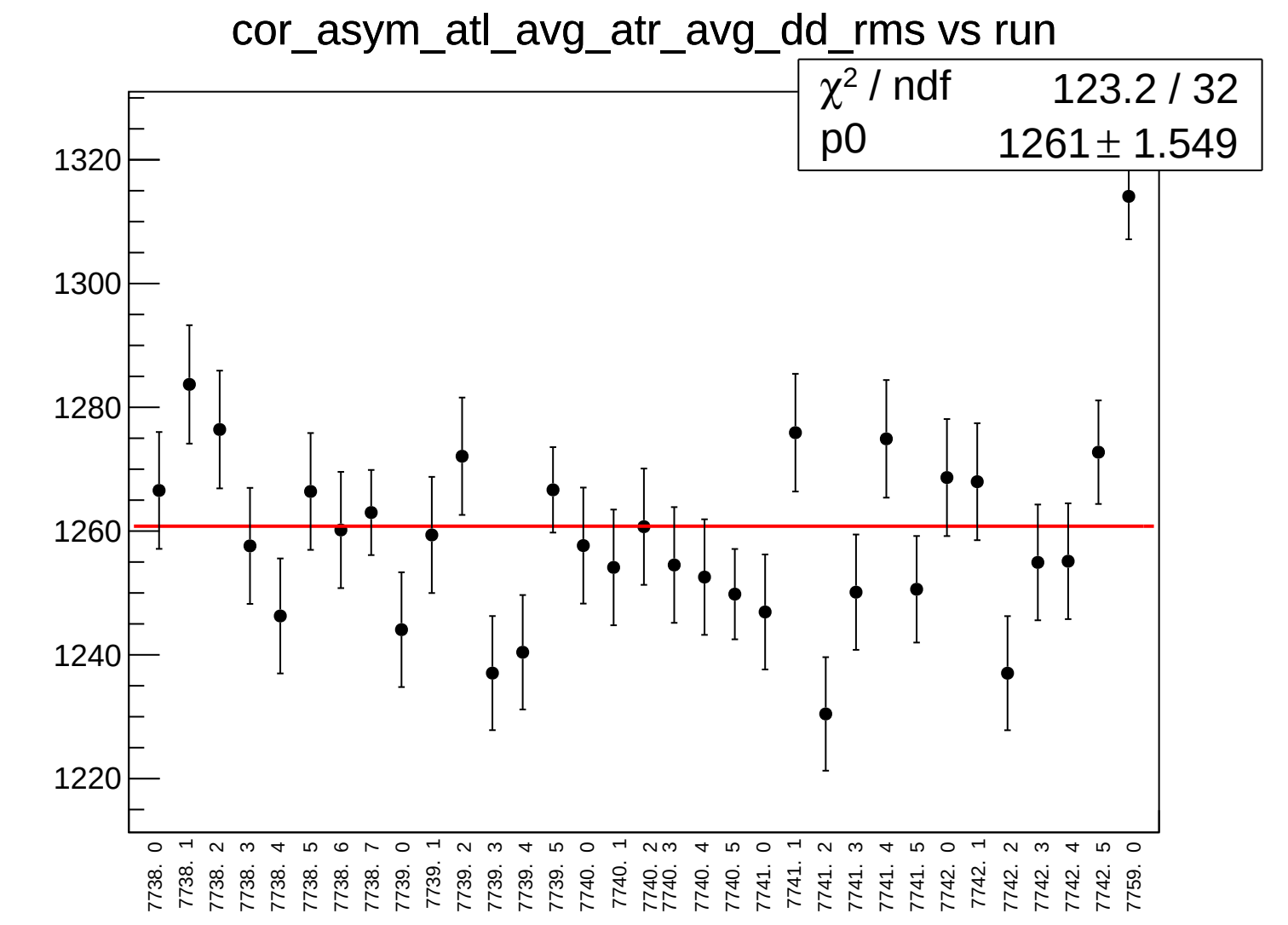
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.71 / 32
p0 1017 ± 2190
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −159.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01447
Std Dev 1.097
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 123.2 / 32
p0 1261 ± 1.549
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
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7741. 5
7742. 0
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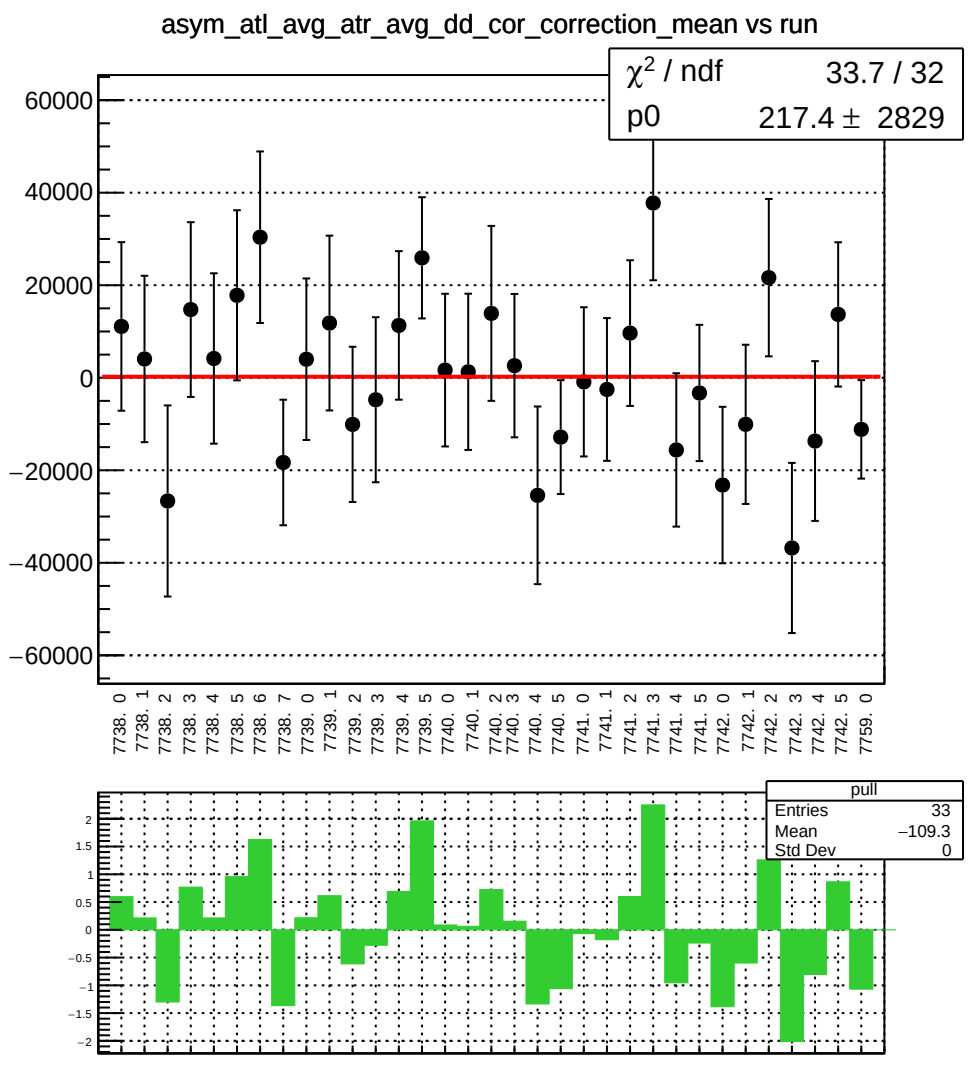
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 33.7 / 32
p0 217.4 ± 2829
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −109.3
Std Dev 0
2
1.5
1
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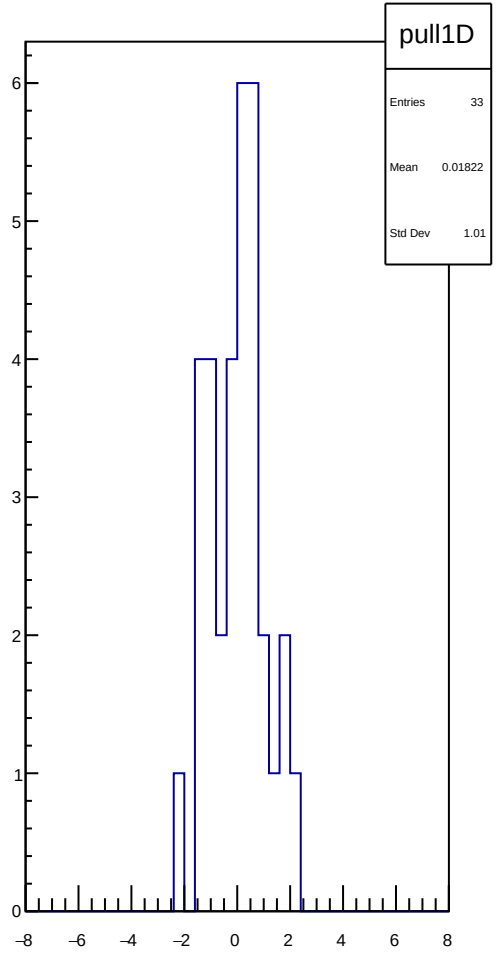
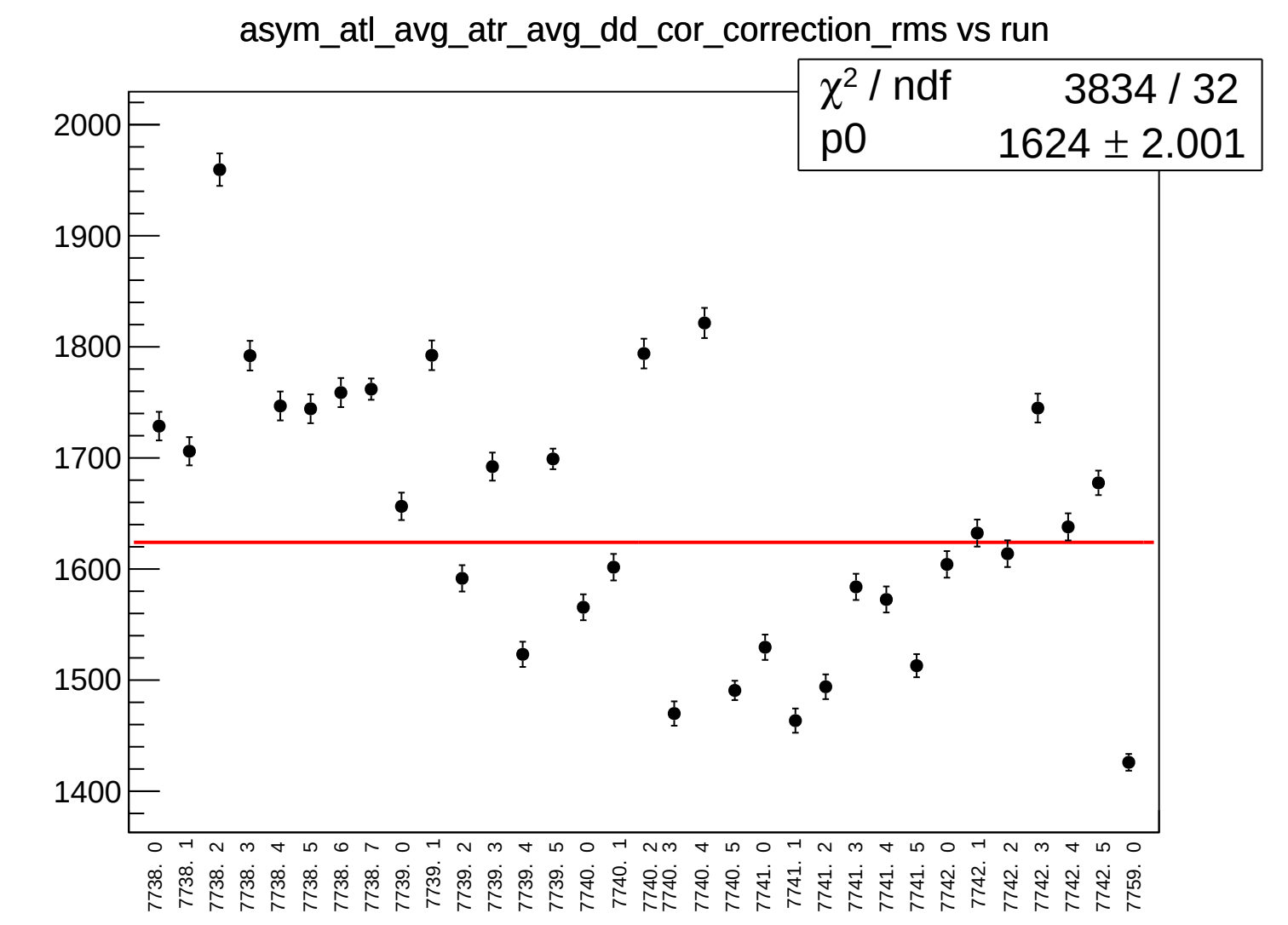
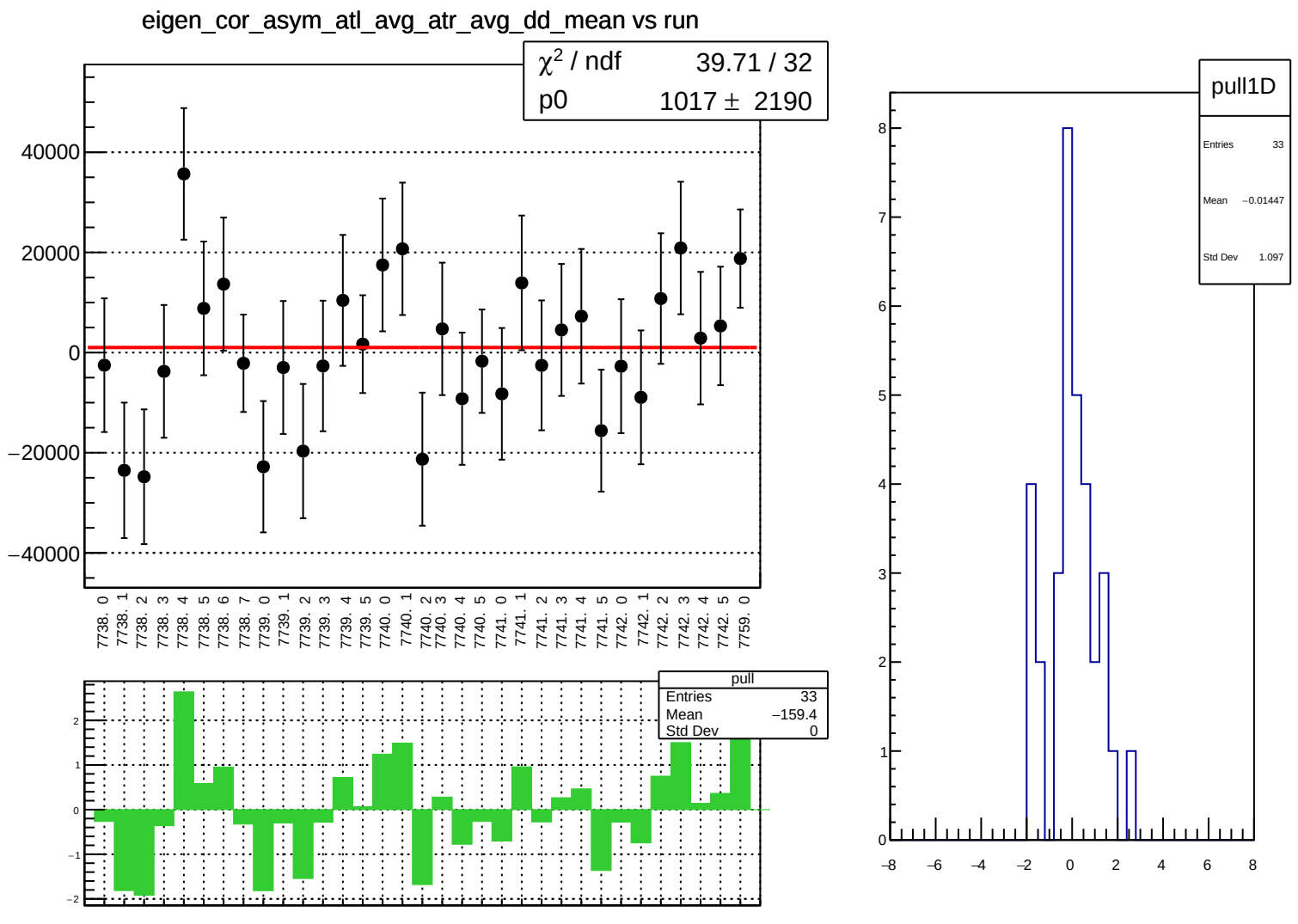
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.01822
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 3834 / 32
p0 1624 ± 2.001
2000
1900
1800
1700
1600
1500
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.71 / 32
p0 1017 ± 2190
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −159.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01447
Std Dev 1.097
8
7
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5
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3
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1
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−6
−4
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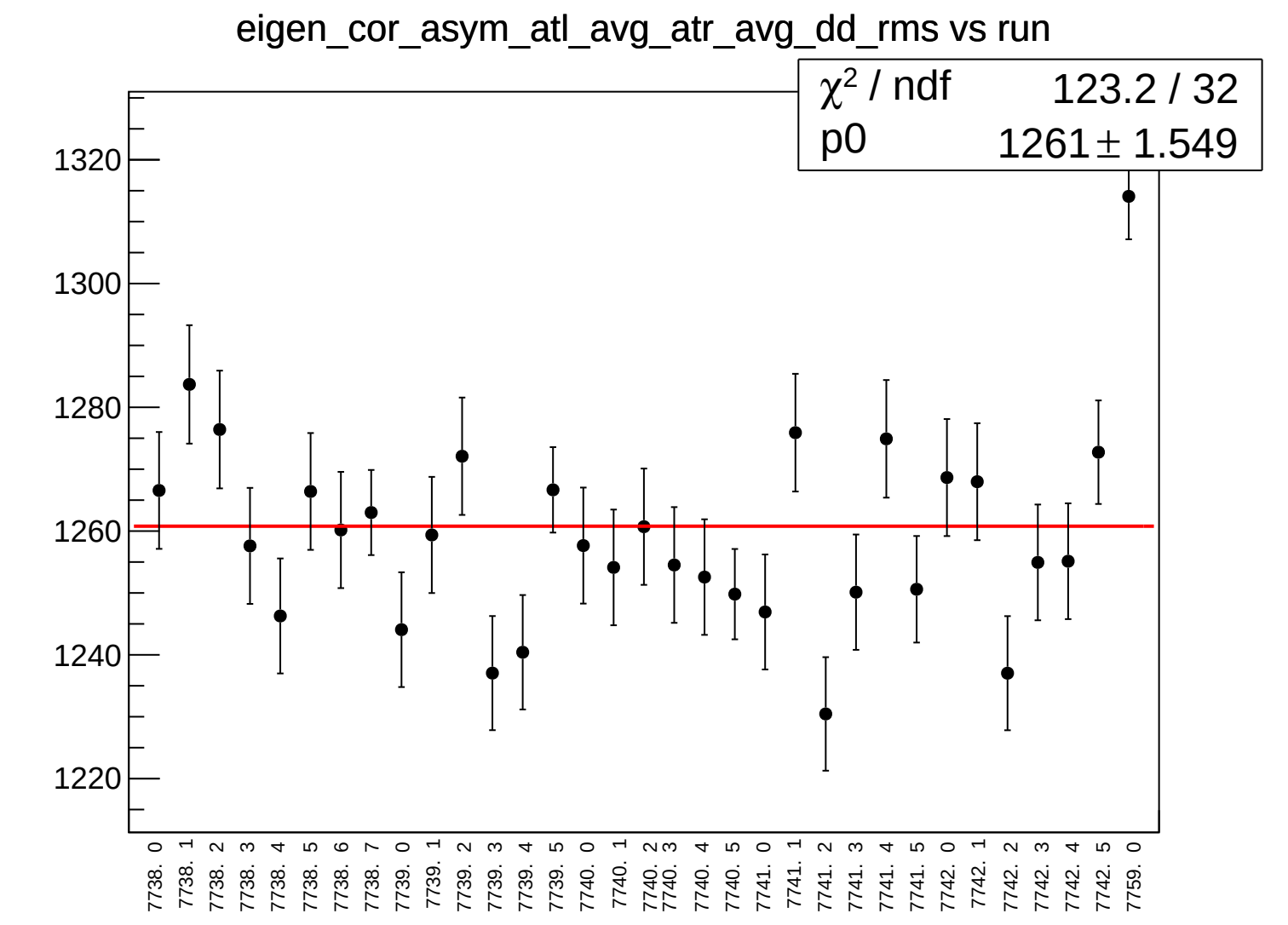
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 123.2 / 32
p0 1261 ± 1.549
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
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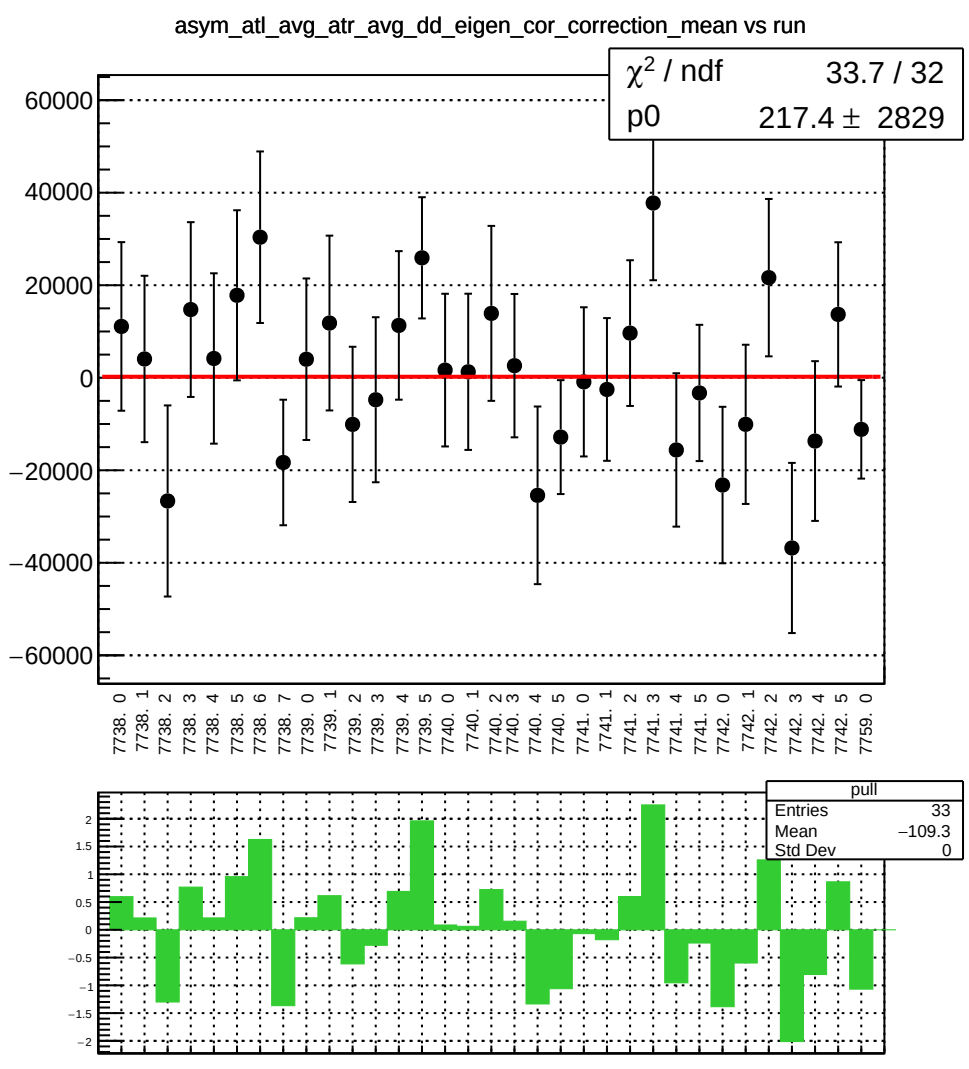
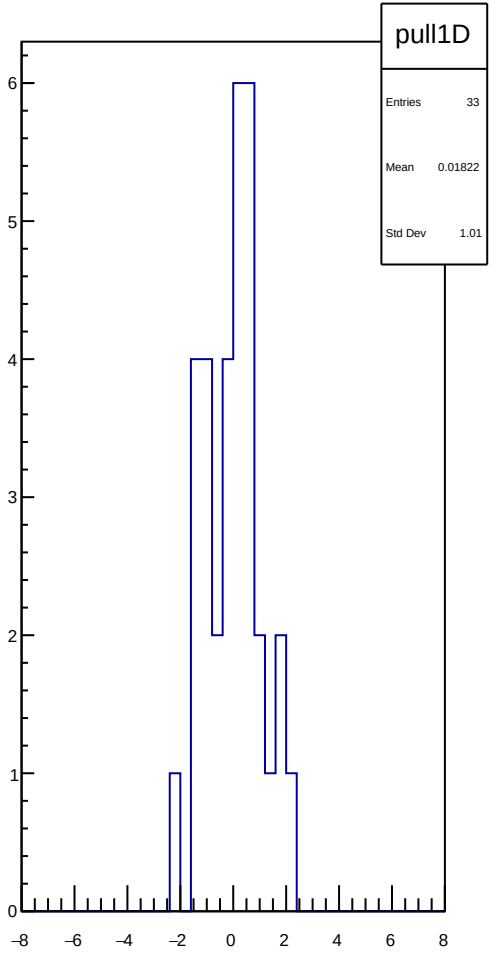
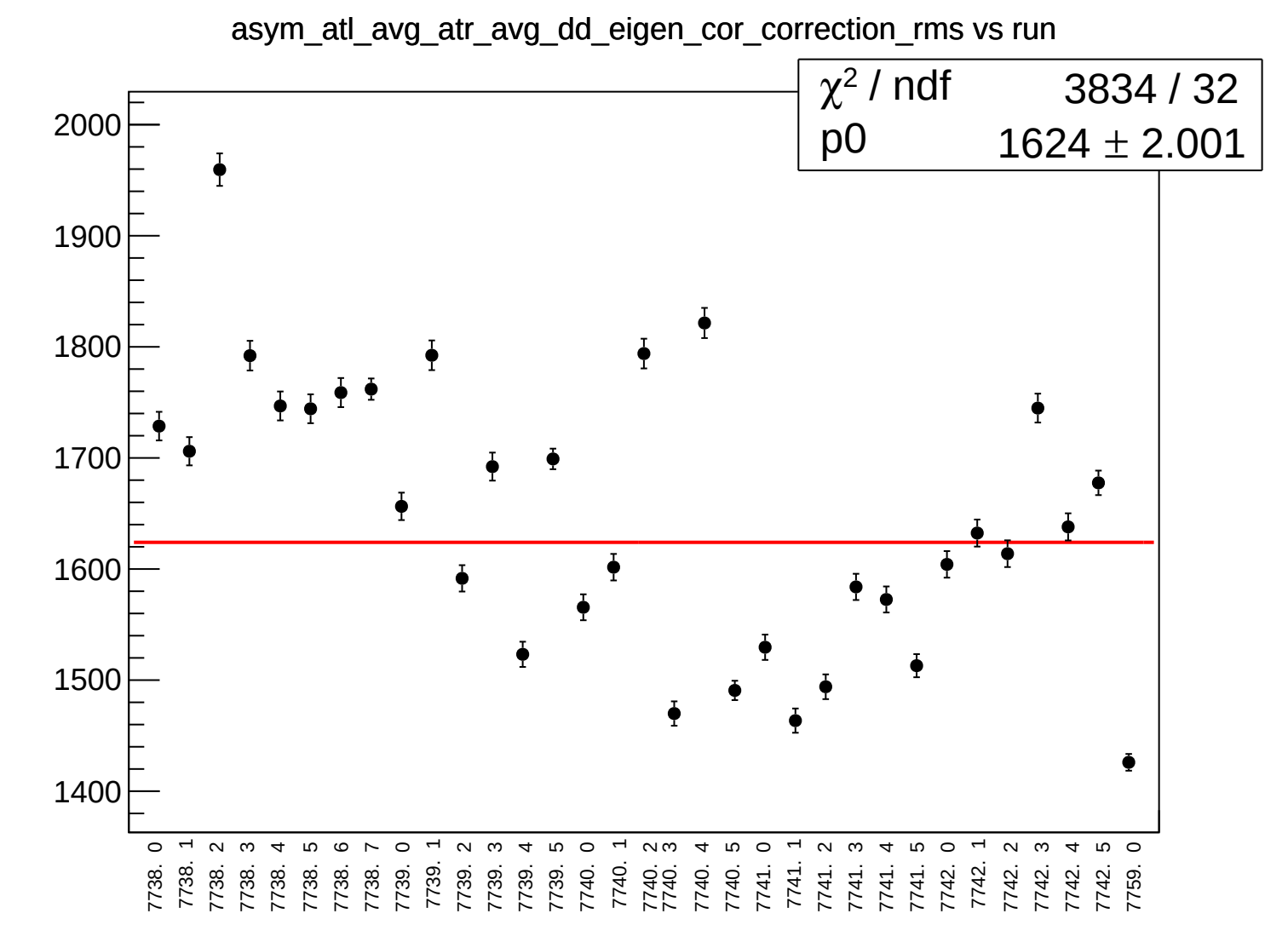
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 33.7 / 32
p0 217.4 ± 2829
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −109.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.01822
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3834 / 32
p0 1624 ± 2.001
2000
1900
1800
1700
1600
1500
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
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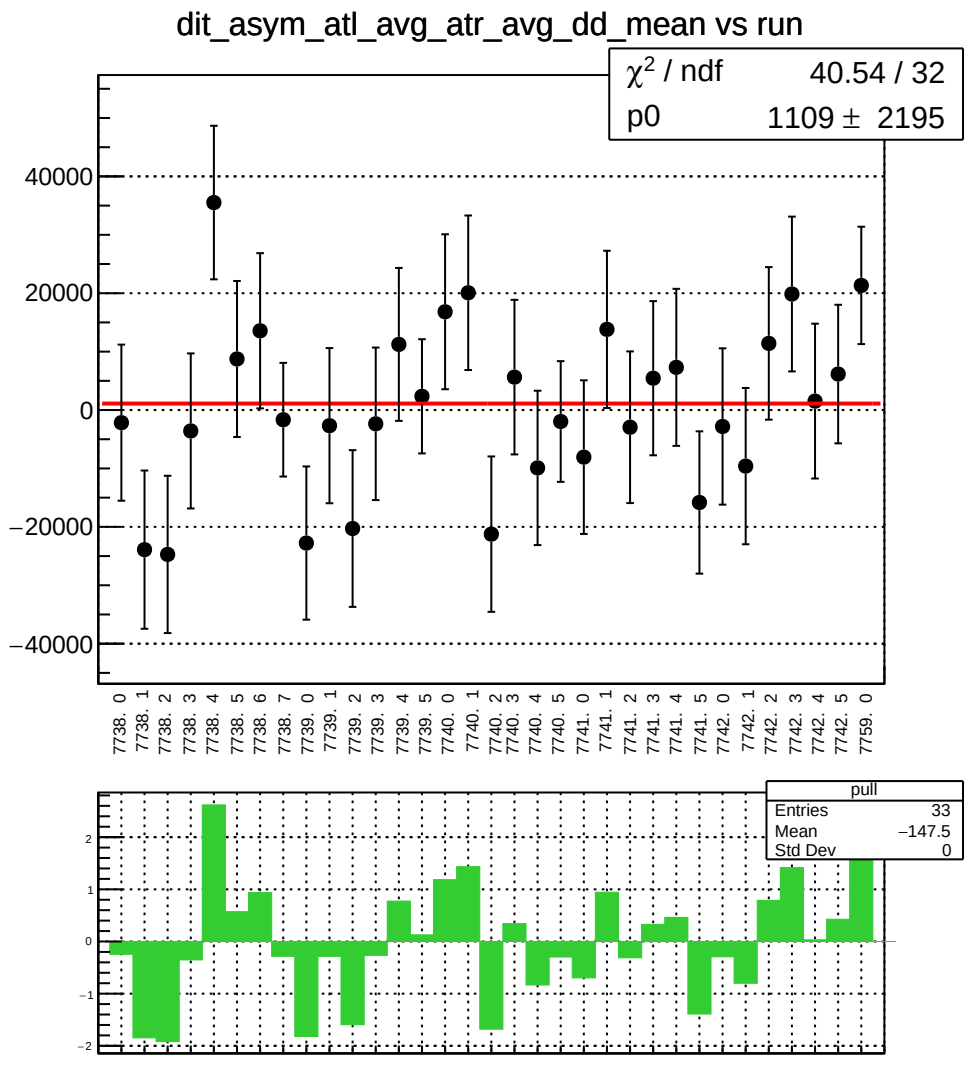
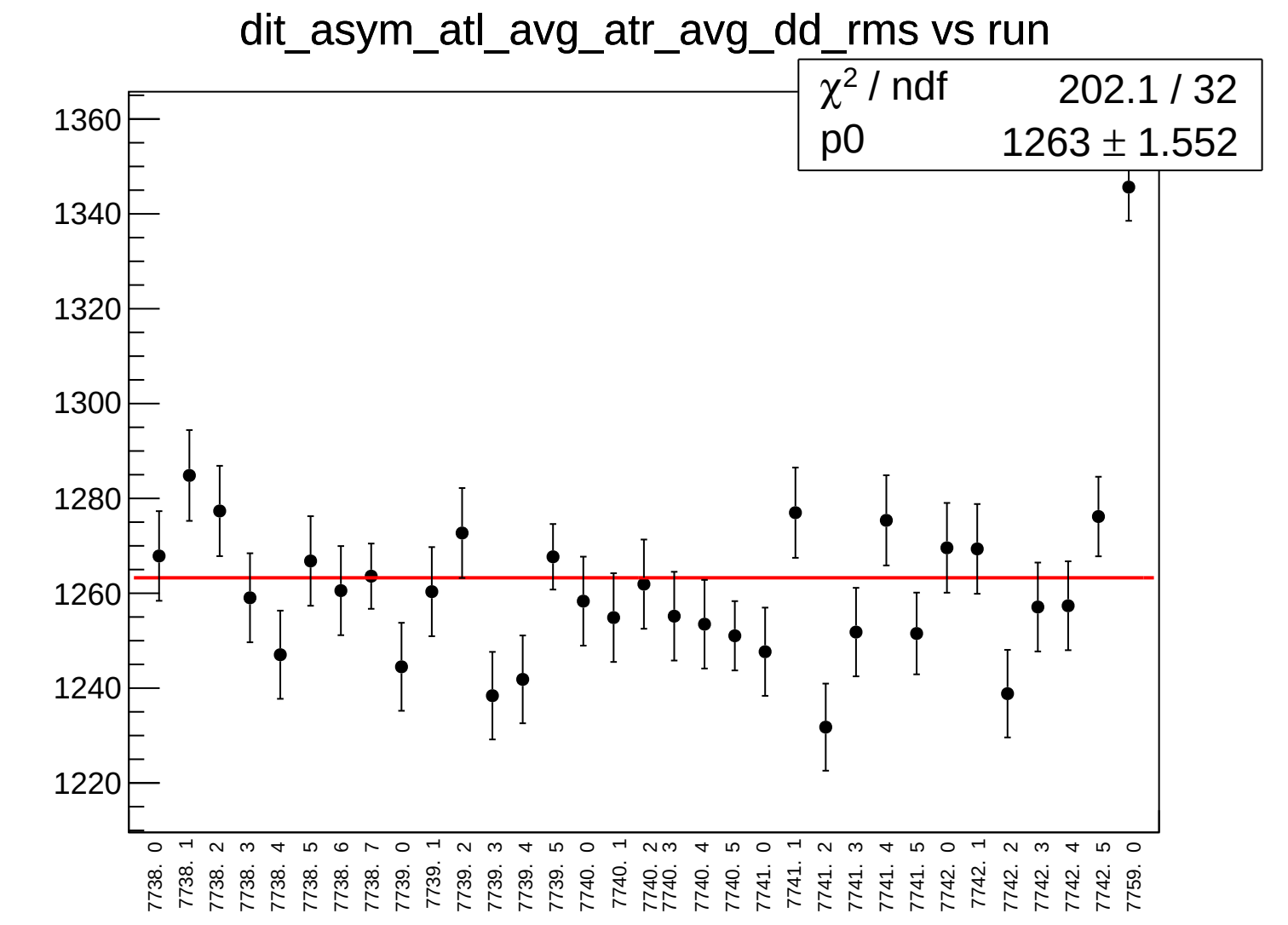
7742. 5
7759. 0


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.54 / 32
p0 1109 ± 2195
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −147.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01574
Std Dev 1.108
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 202.1 / 32
p0 1263 ± 1.552
1360
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
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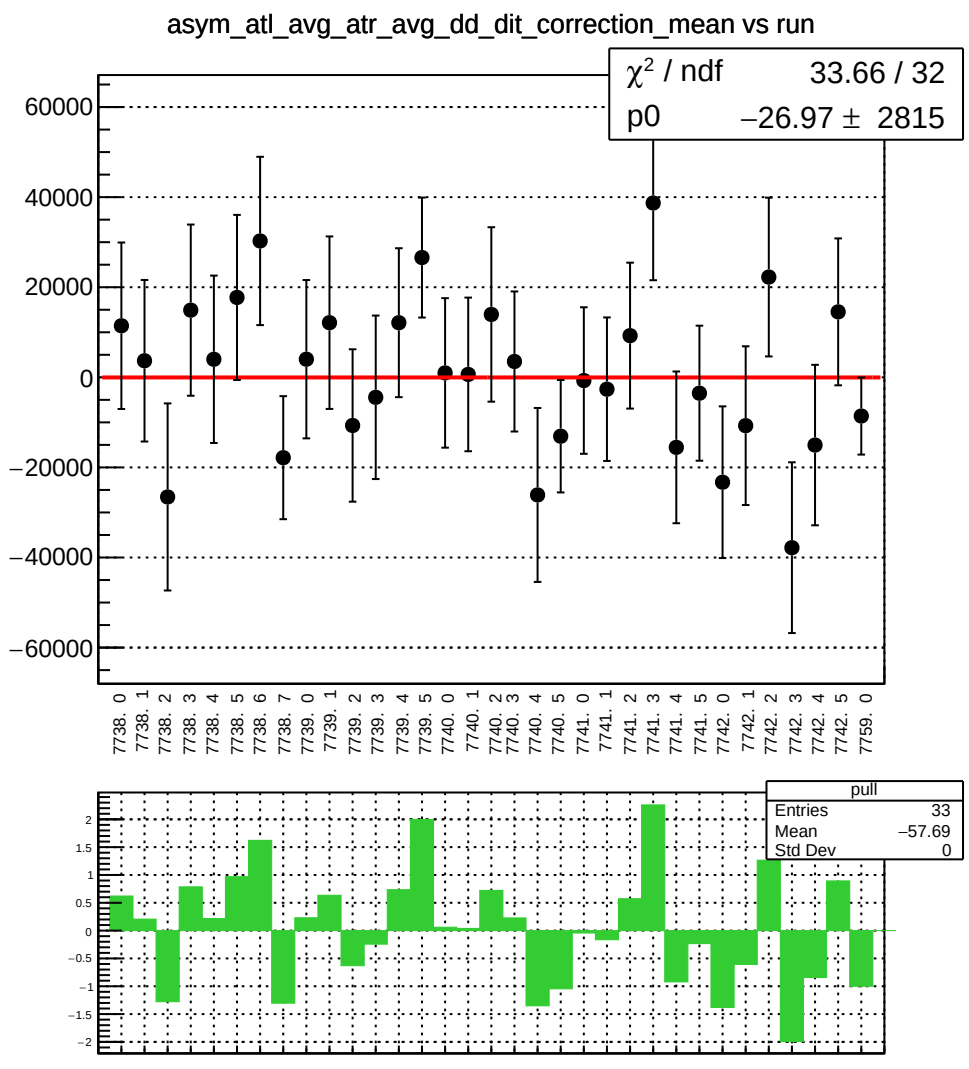
7742. 5
7759. 0


asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 33.66 / 32
p0 −26.97 ± 2815
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.69
Std Dev 0
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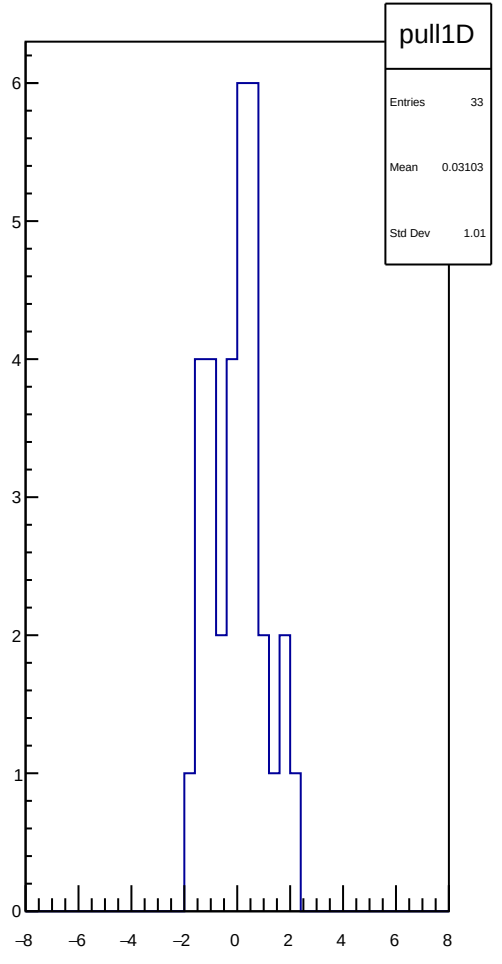
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.03103
Std Dev 1.01
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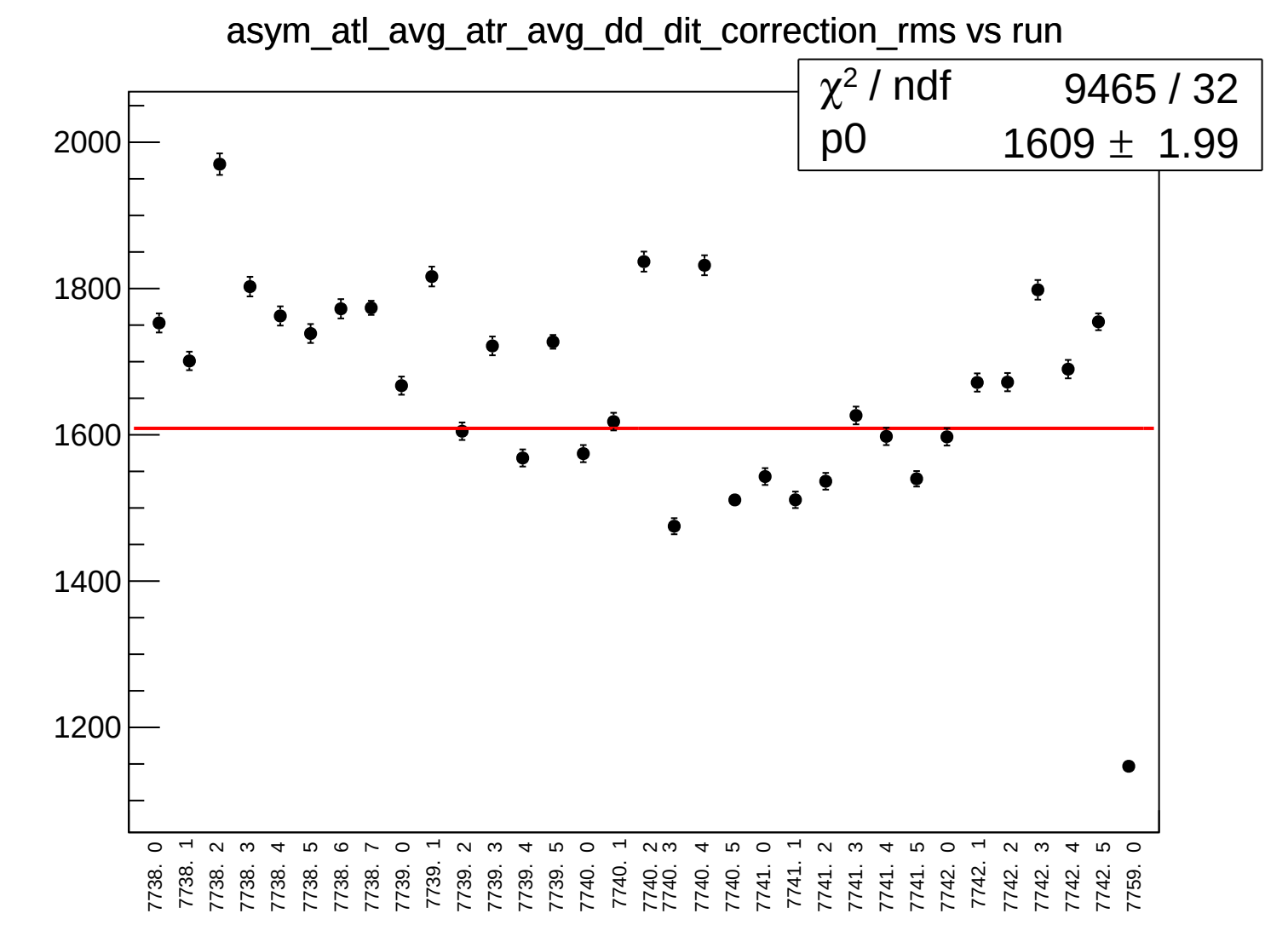
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 9465 / 32
p0 1609 ± 1.99
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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7742. 2
7742. 3
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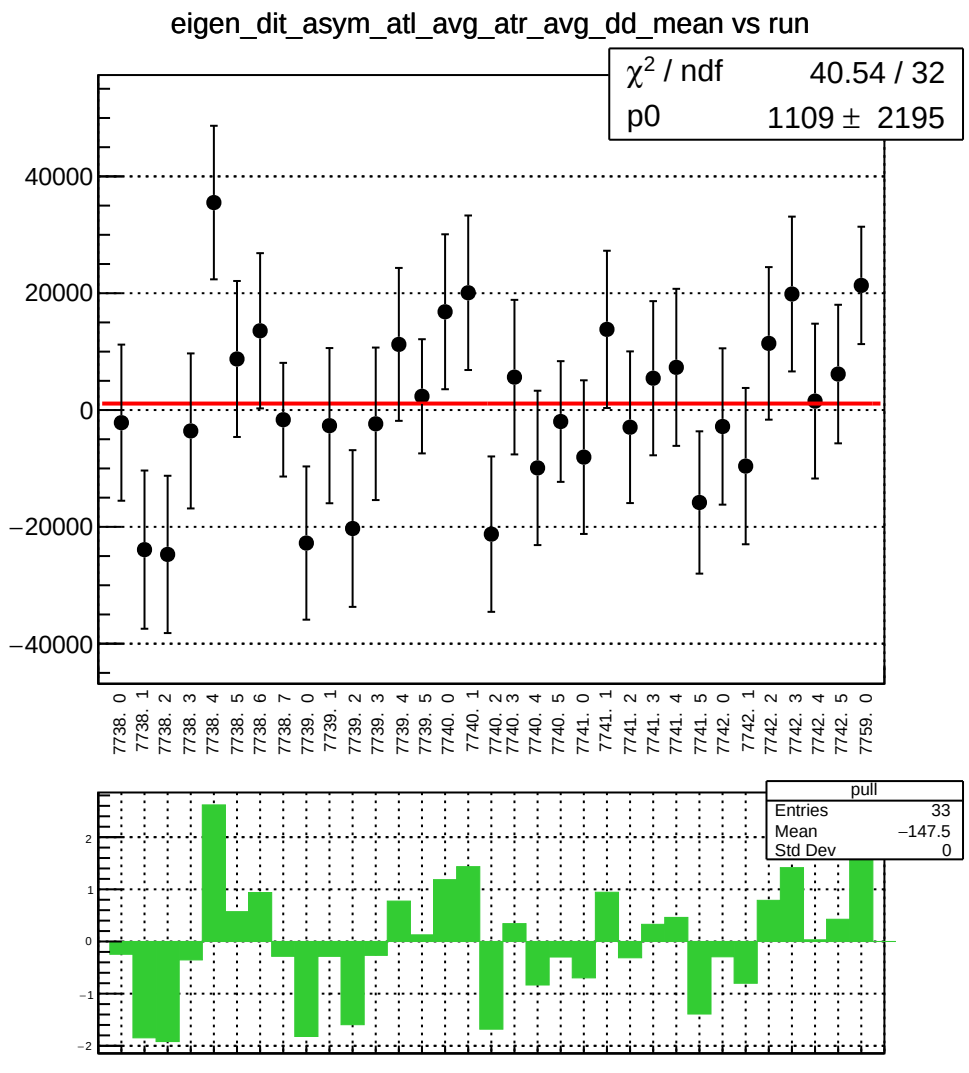
7742. 5
7759. 0


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.54 / 32
p0 1109 ± 2195
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
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7740. 0
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7740. 2
7740. 3
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7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −147.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01574
Std Dev 1.108
8
7
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5
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1
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−4
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6
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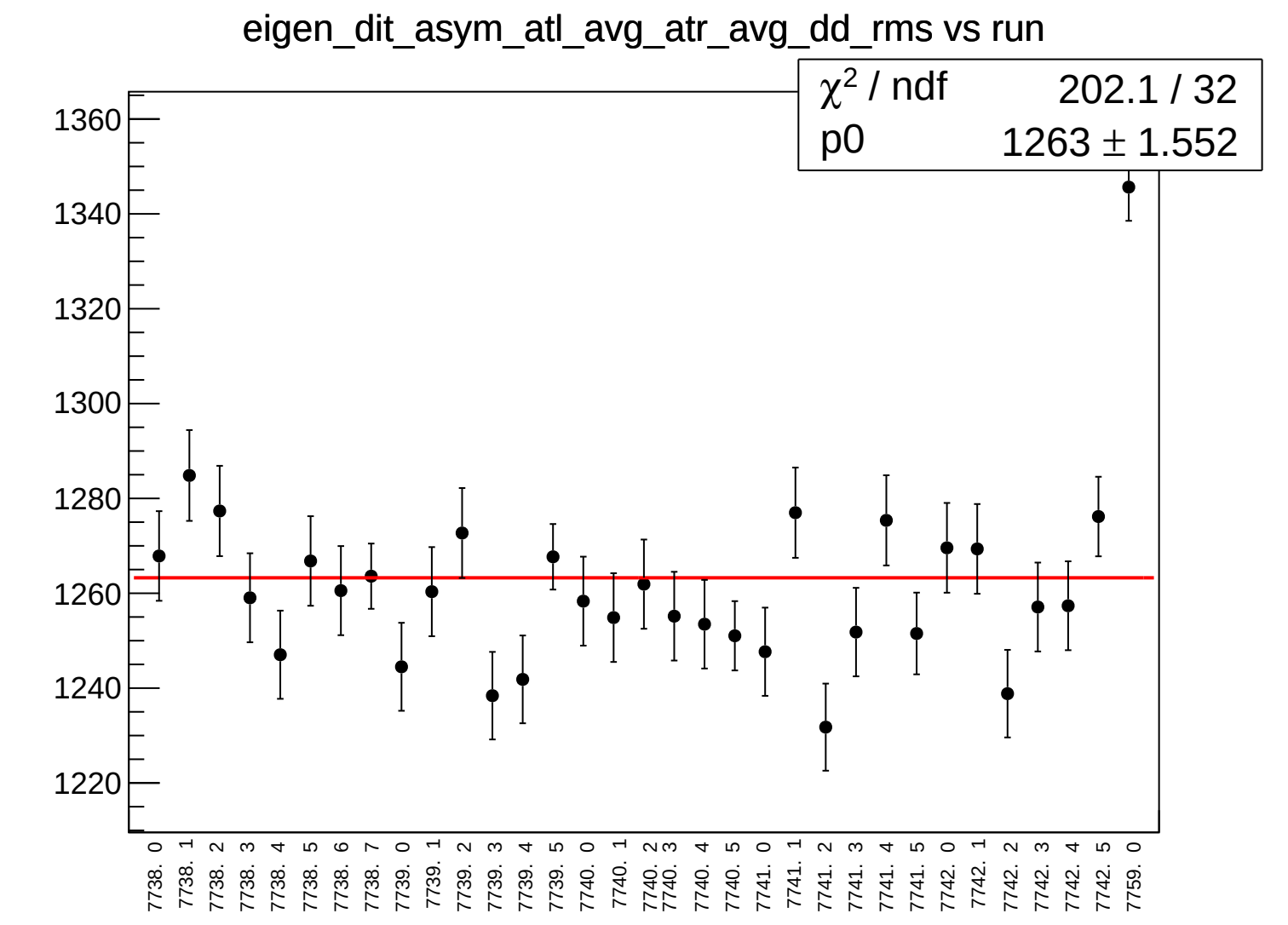
eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 202.1 / 32
p0 1263 ± 1.552
1360
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
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7738. 6
7738. 7
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7741. 0
7741. 1
7741. 2
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7742. 2
7742. 3
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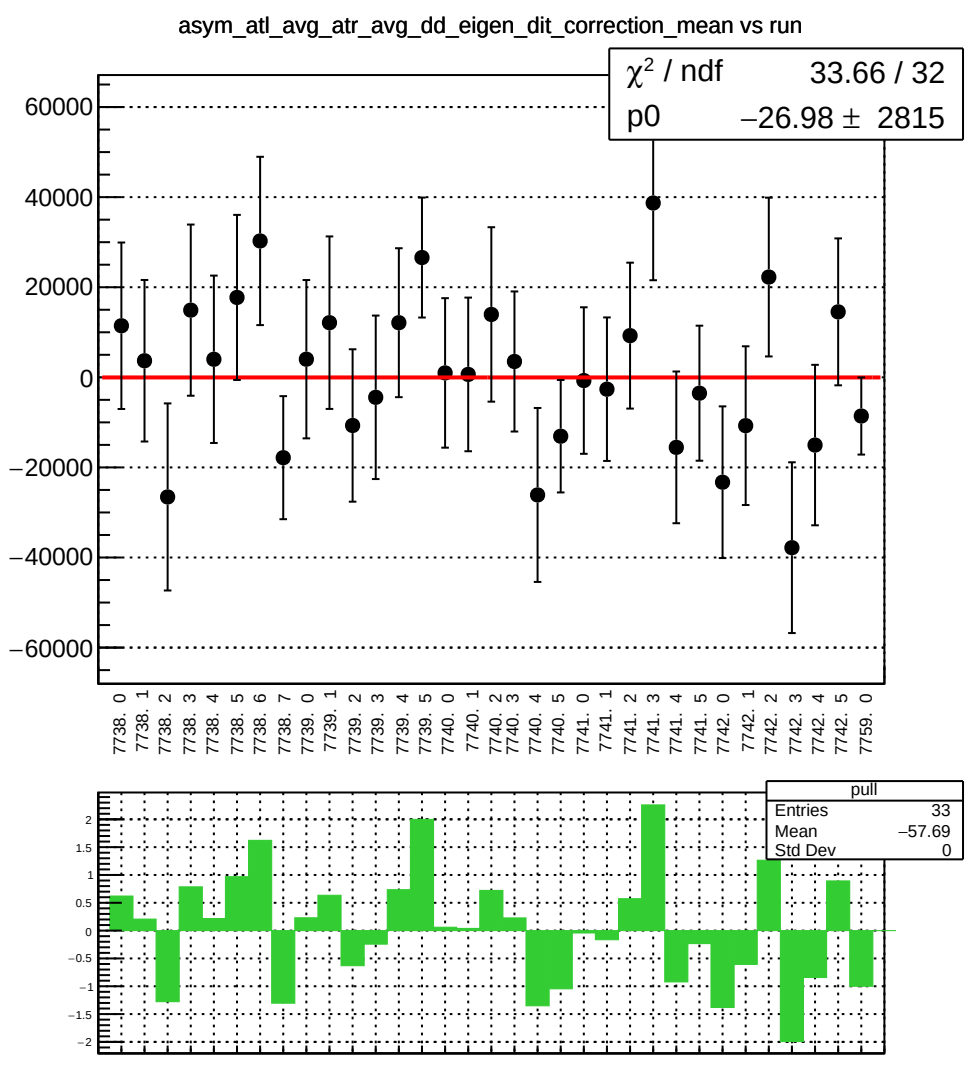
7759. 0


asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.66 / 32
p0 −26.98 ± 2815
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
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7742. 5
7759. 0
pull
Entries 33
Mean −57.69
Std Dev 0
2
1.5
1
0.5
0
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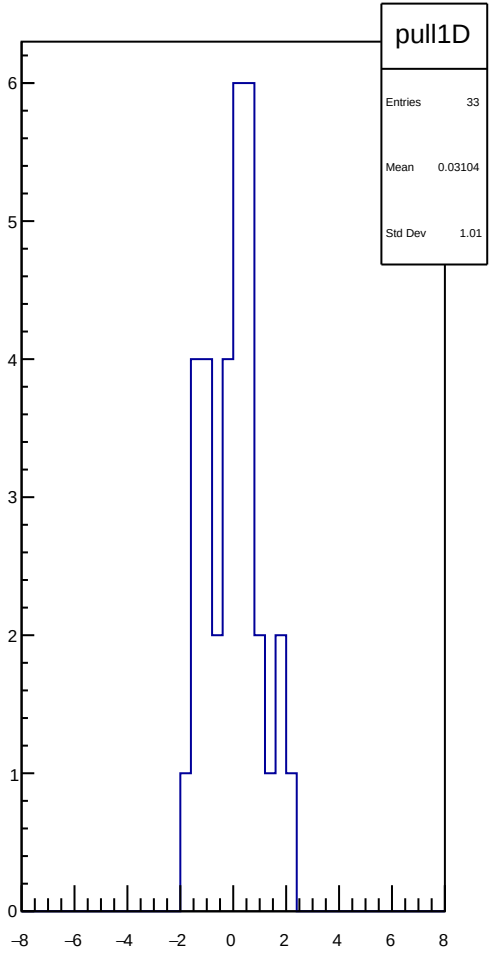
−1
−1.5
−2


pull1D
Entries 33
Mean 0.03104
Std Dev 1.01
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−4
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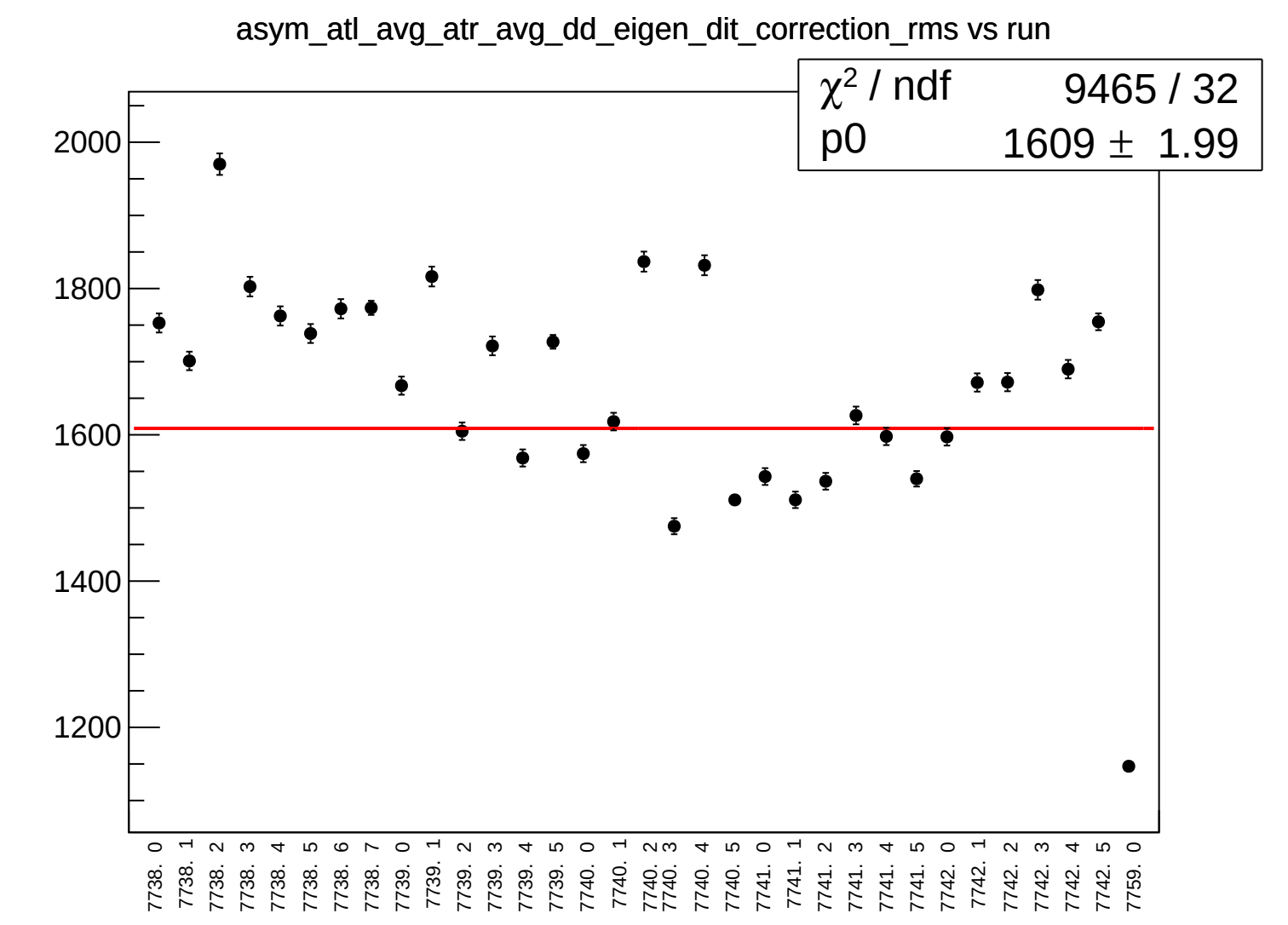
0
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 9465 / 32
p0 1609 ± 1.99
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
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7738. 6
7738. 7
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7741. 2
7741. 3
7741. 4
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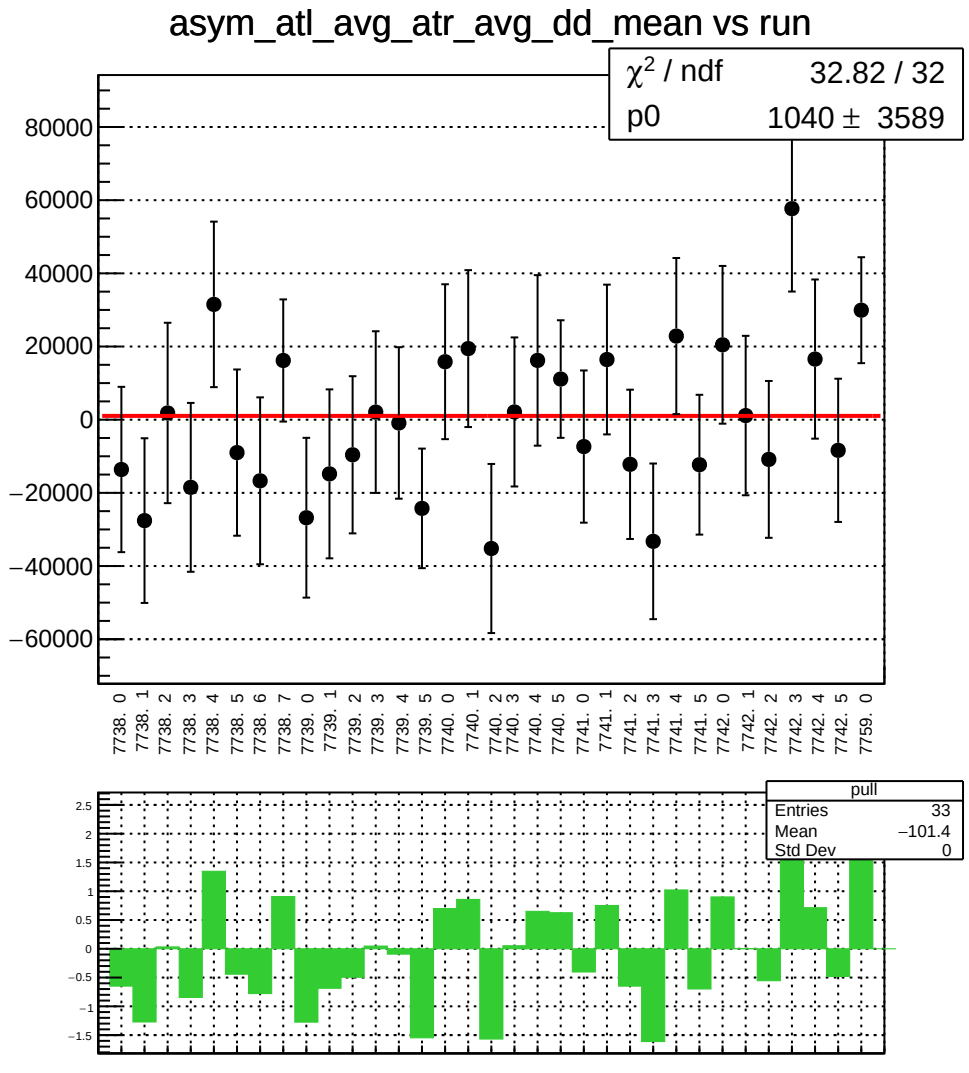
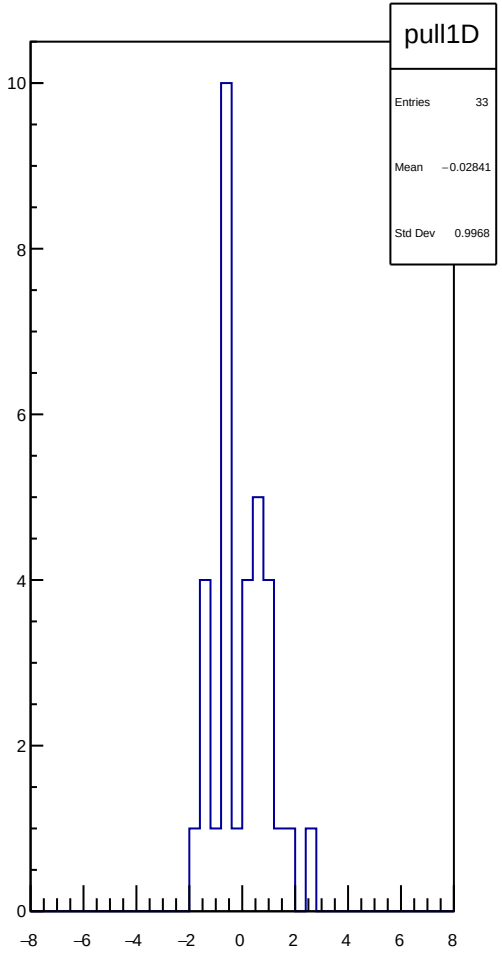
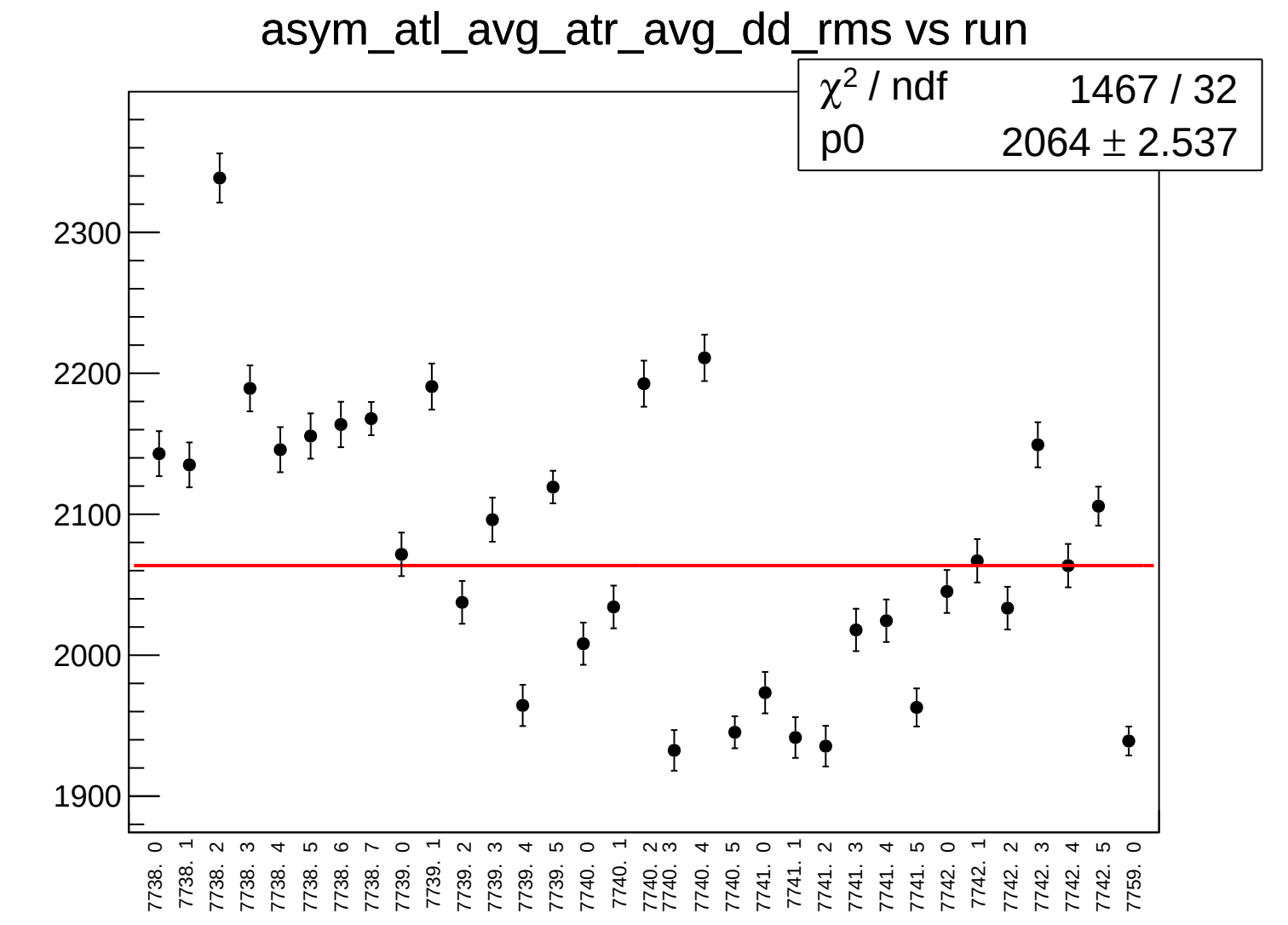
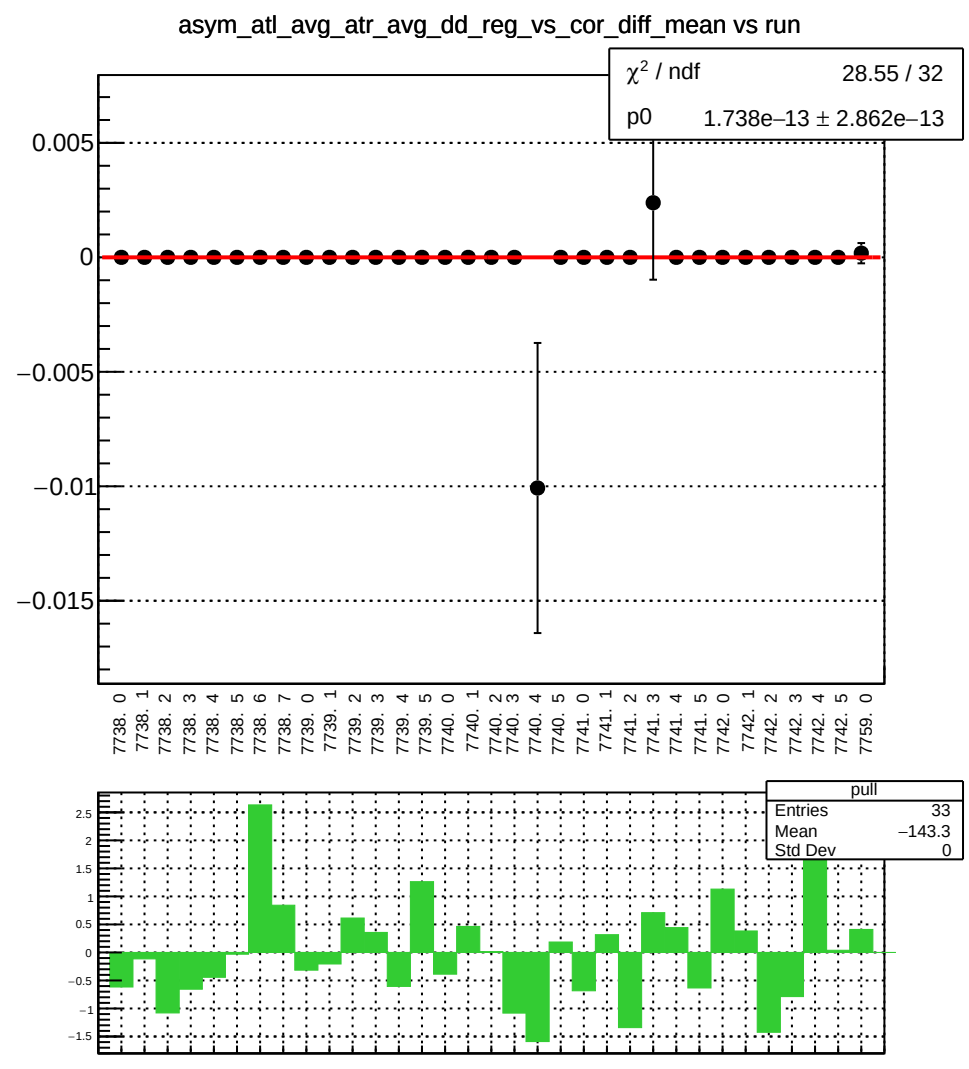
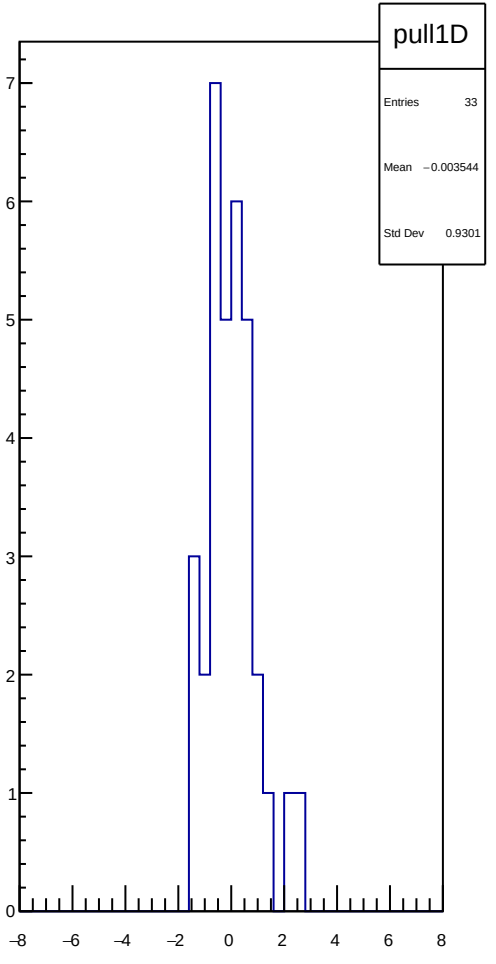
7742. 4
7742. 5
7759. 0

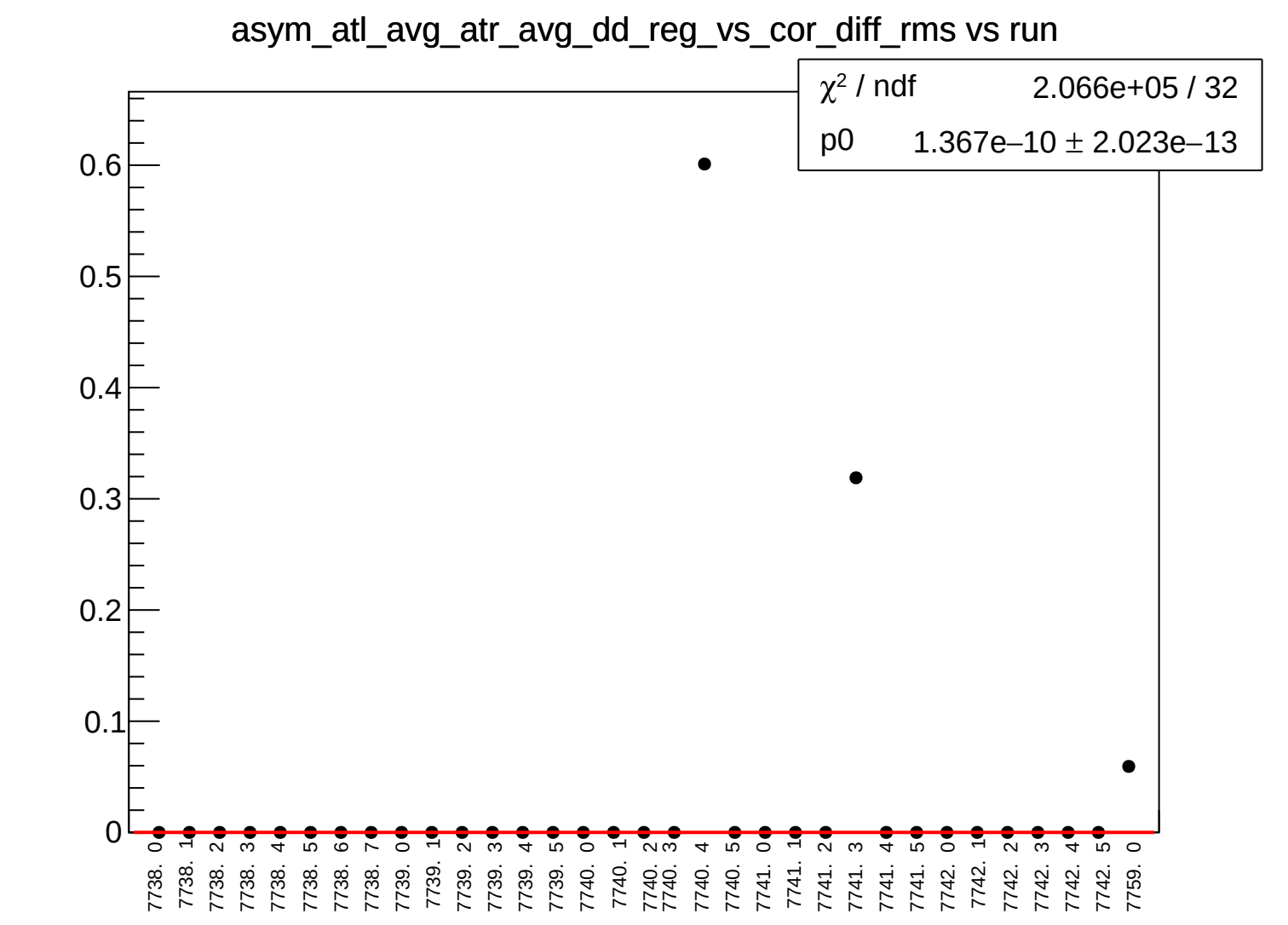

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 32.82 / 32
p0 1040 ± 3589
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −101.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

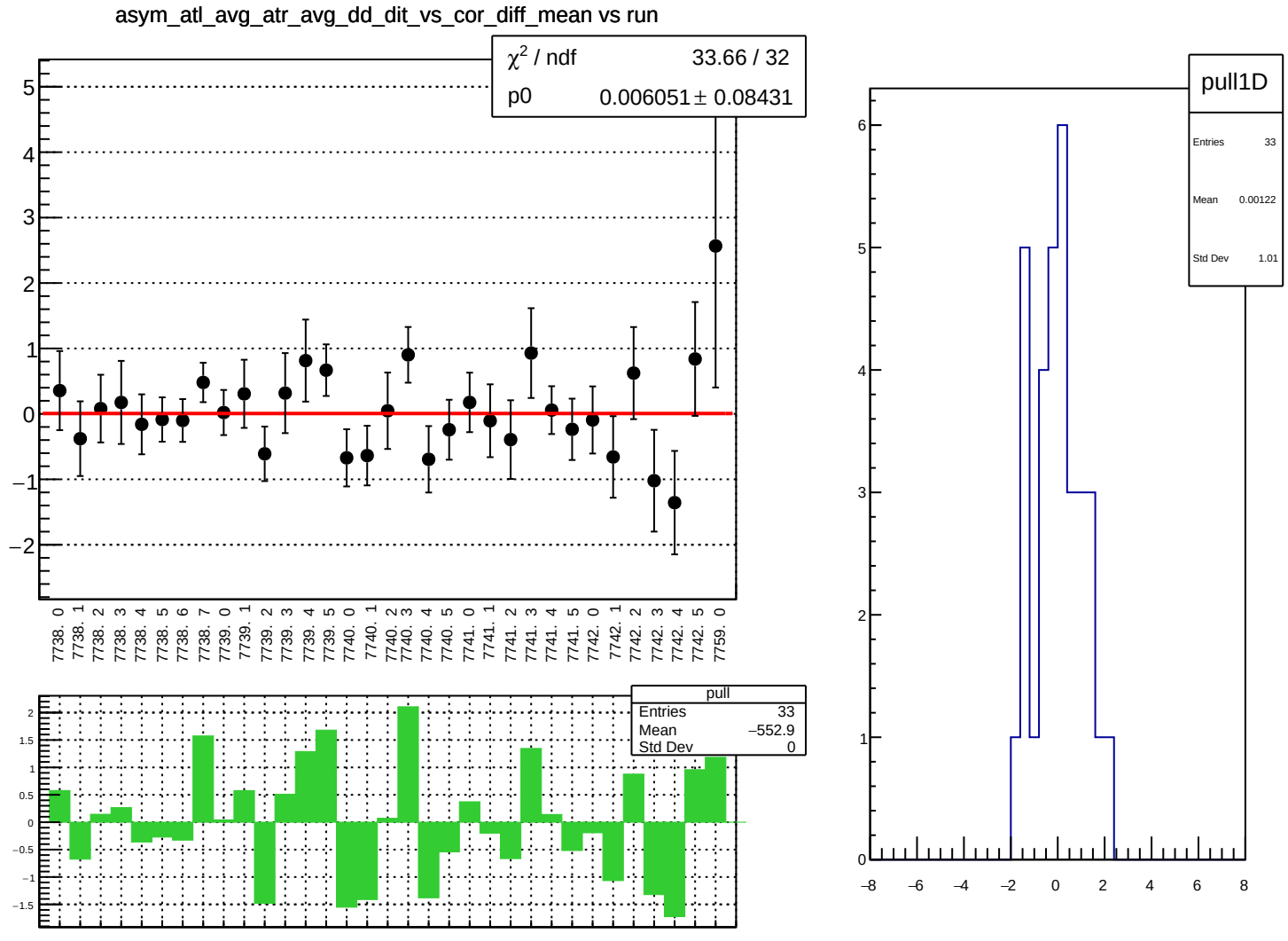

pull1D
Entries 33
Mean −0.02841
Std Dev 0.9968
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

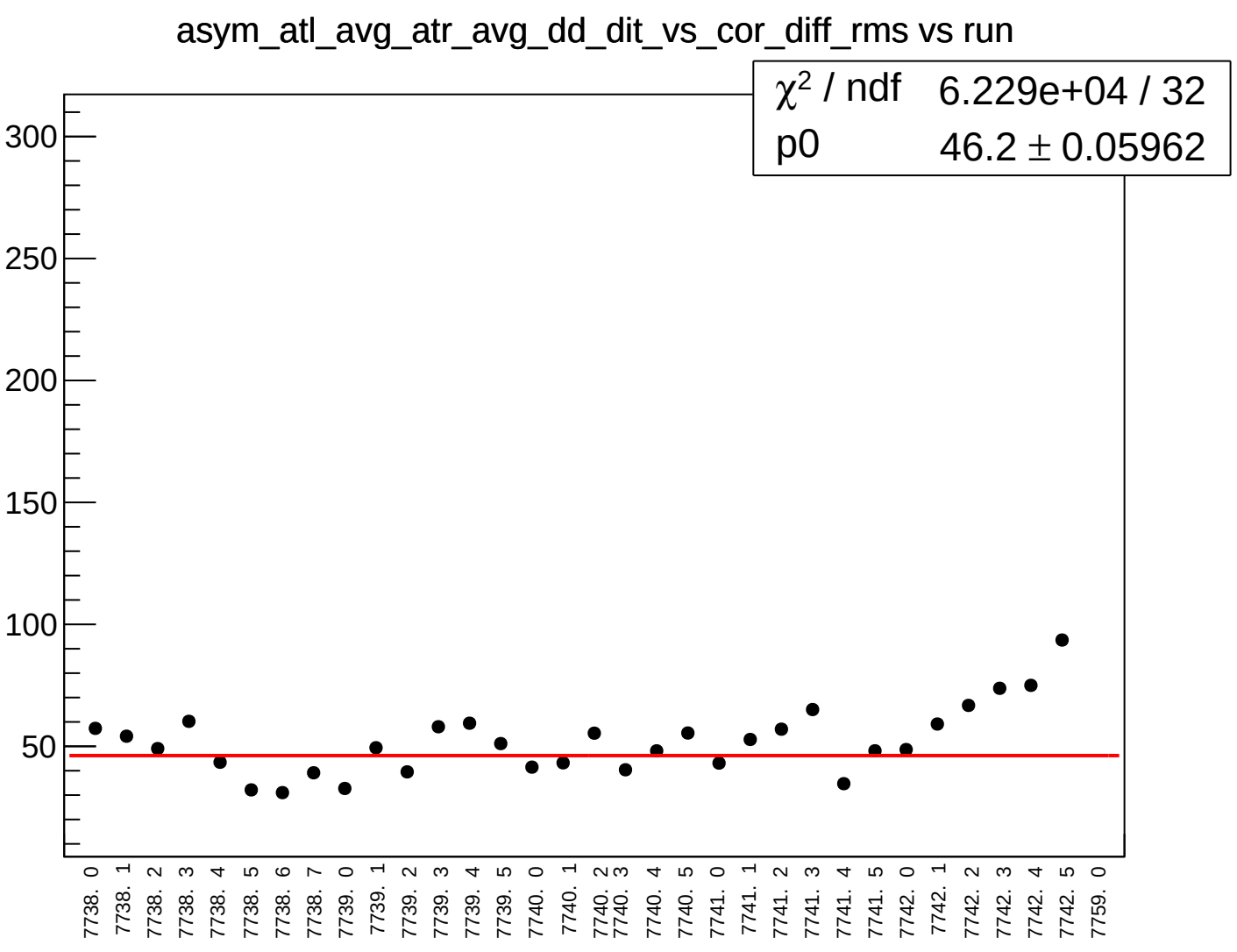

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1467 / 32
p0 2064 ± 2.537
2300
2200
2100
2000
1900
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

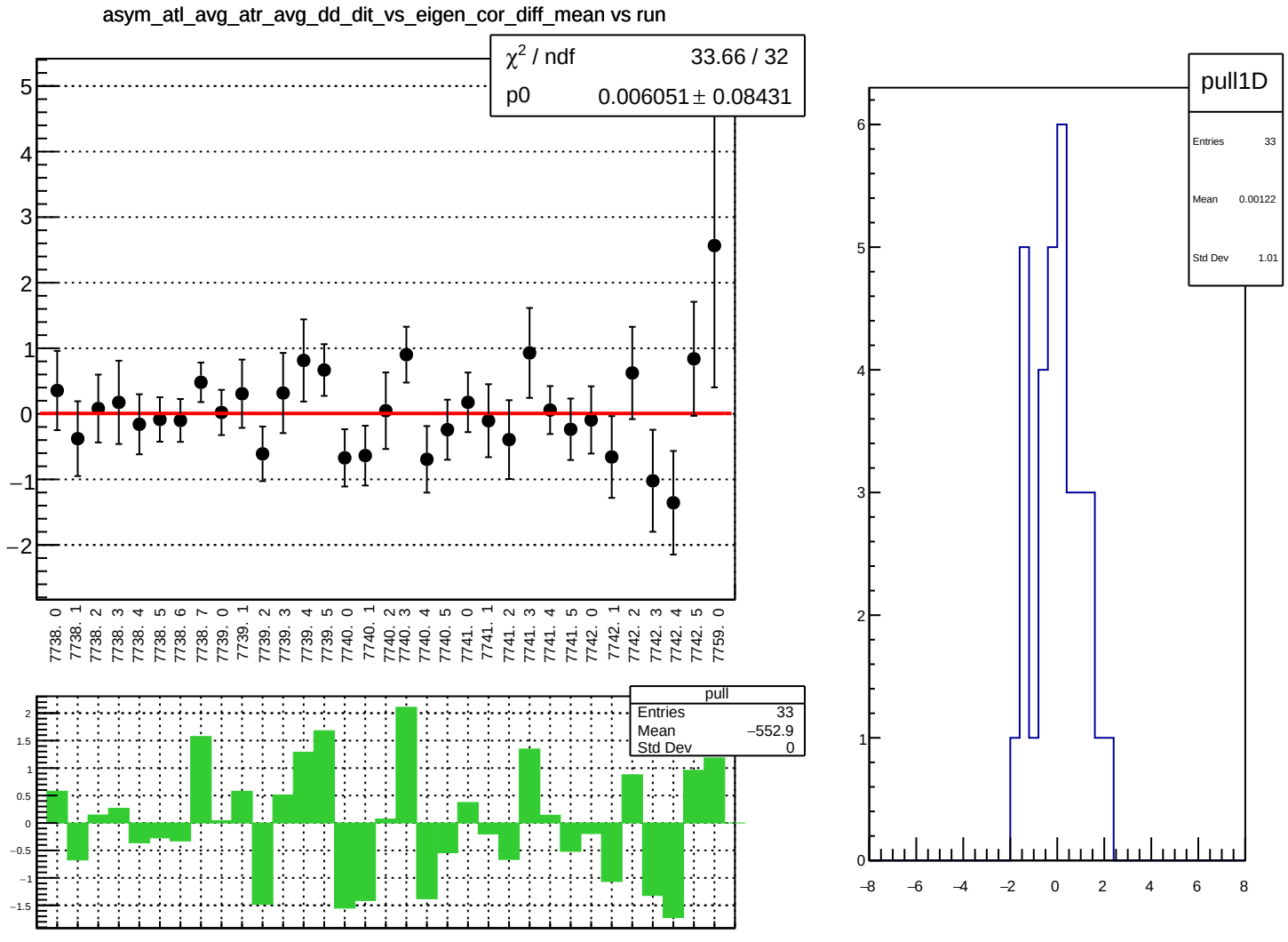

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 28.55 / 32
p0 1.738e−13 ± 2.862e−13
0.005
0
−0.005
−0.01
−0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −143.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

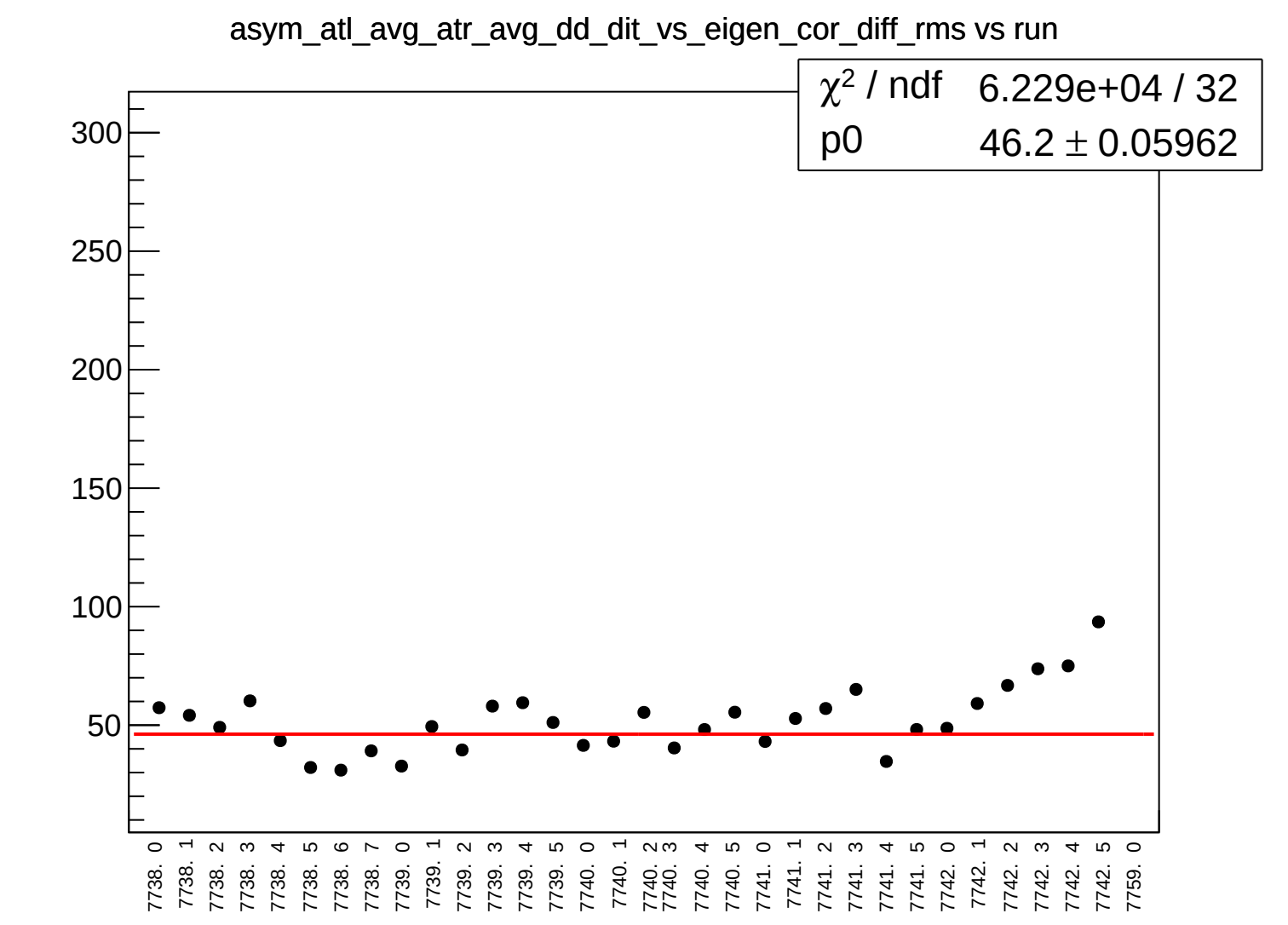

pull1D
Entries 33
Mean −0.003544
Std Dev 0.9301
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

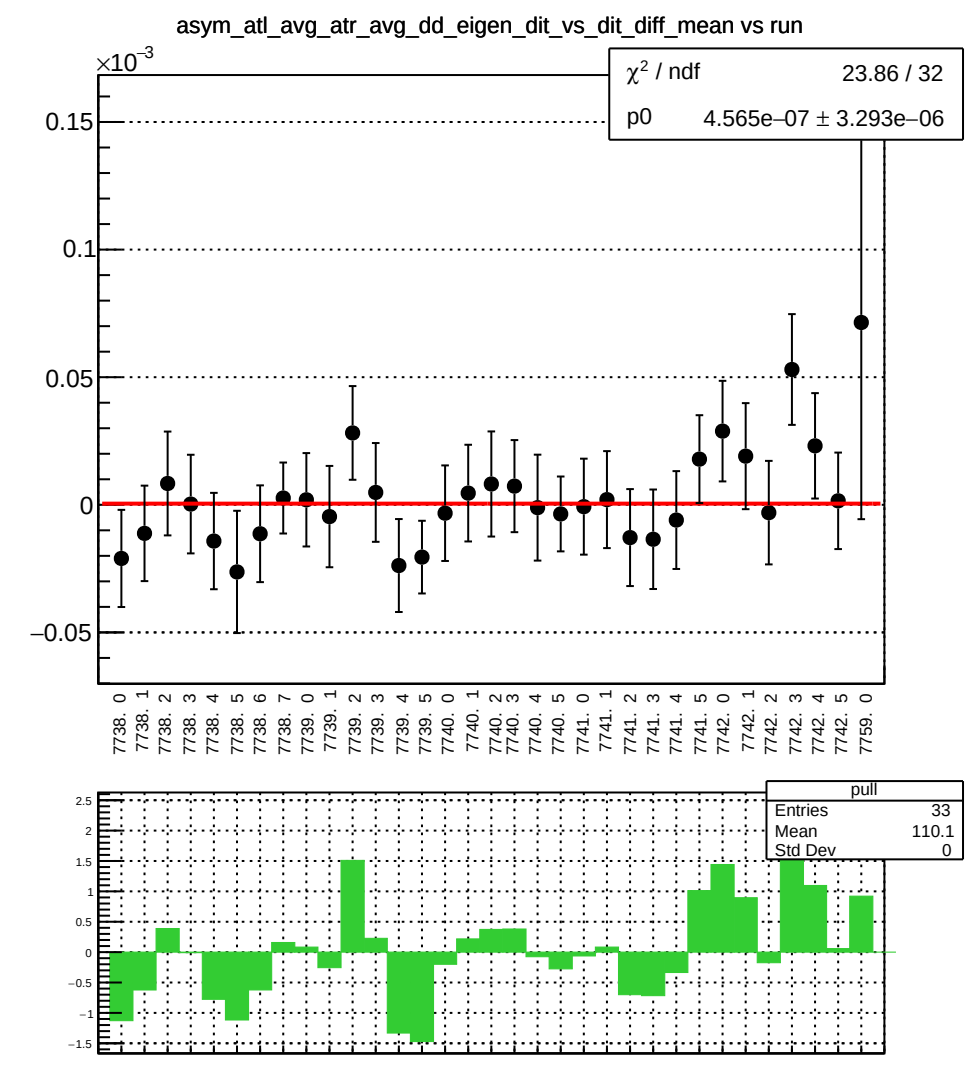

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.066e+05 / 32
p0 1.367e−10 ± 2.023e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

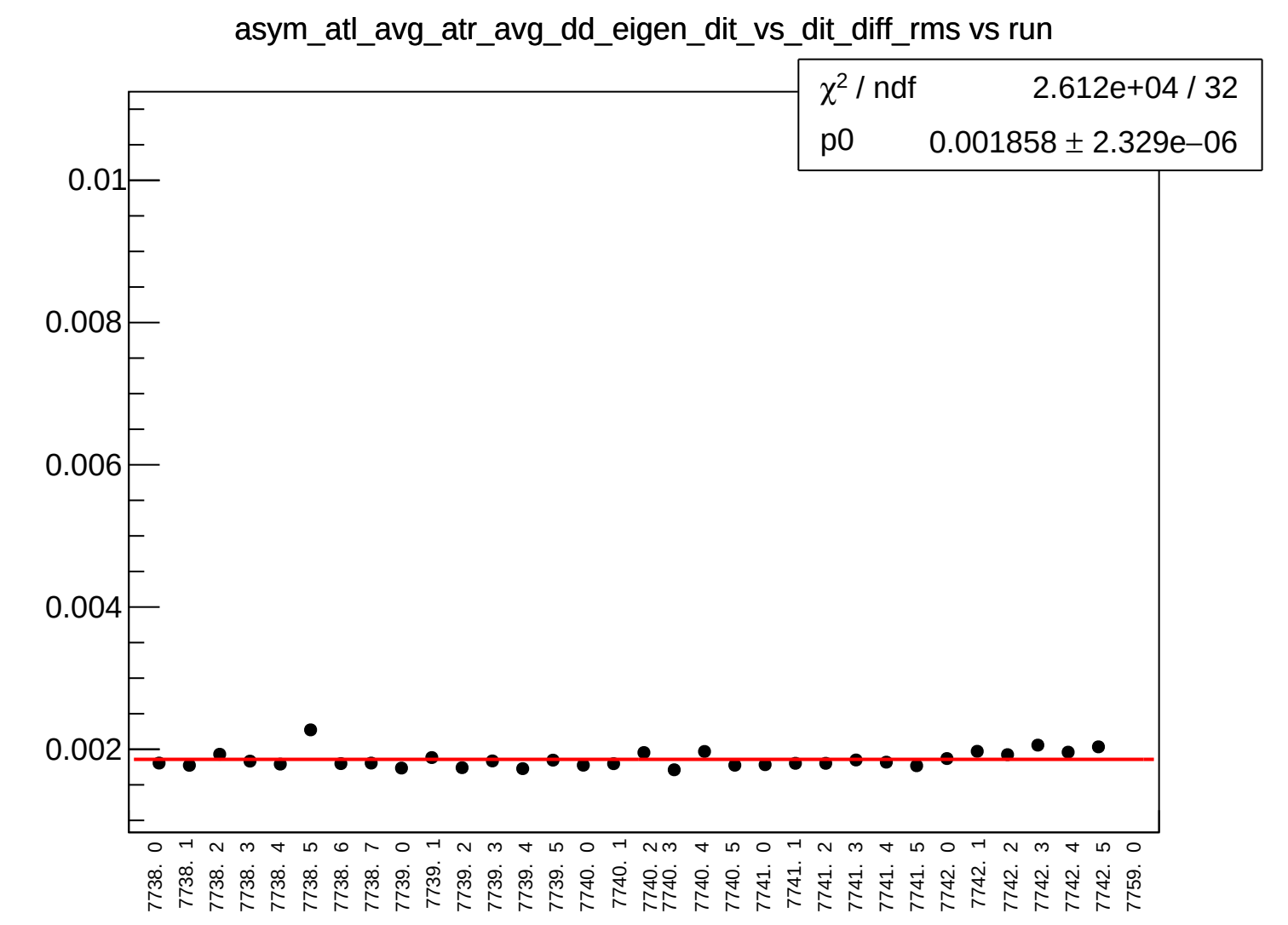

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 33.66 / 32
p0 0.006051 ± 0.08431
5
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −552.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.00122
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

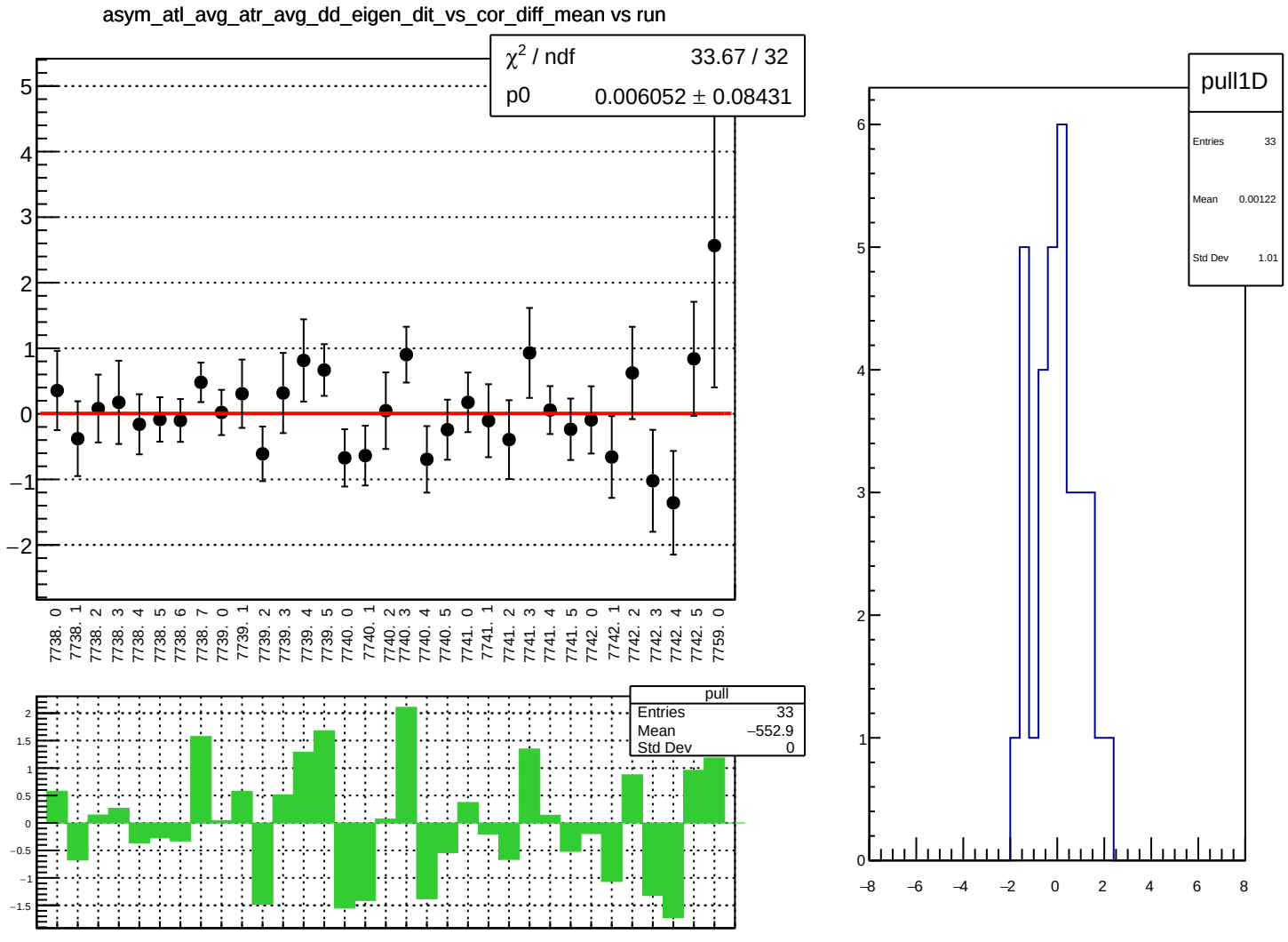

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.229e+04 / 32
p0 46.2 ± 0.05962
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

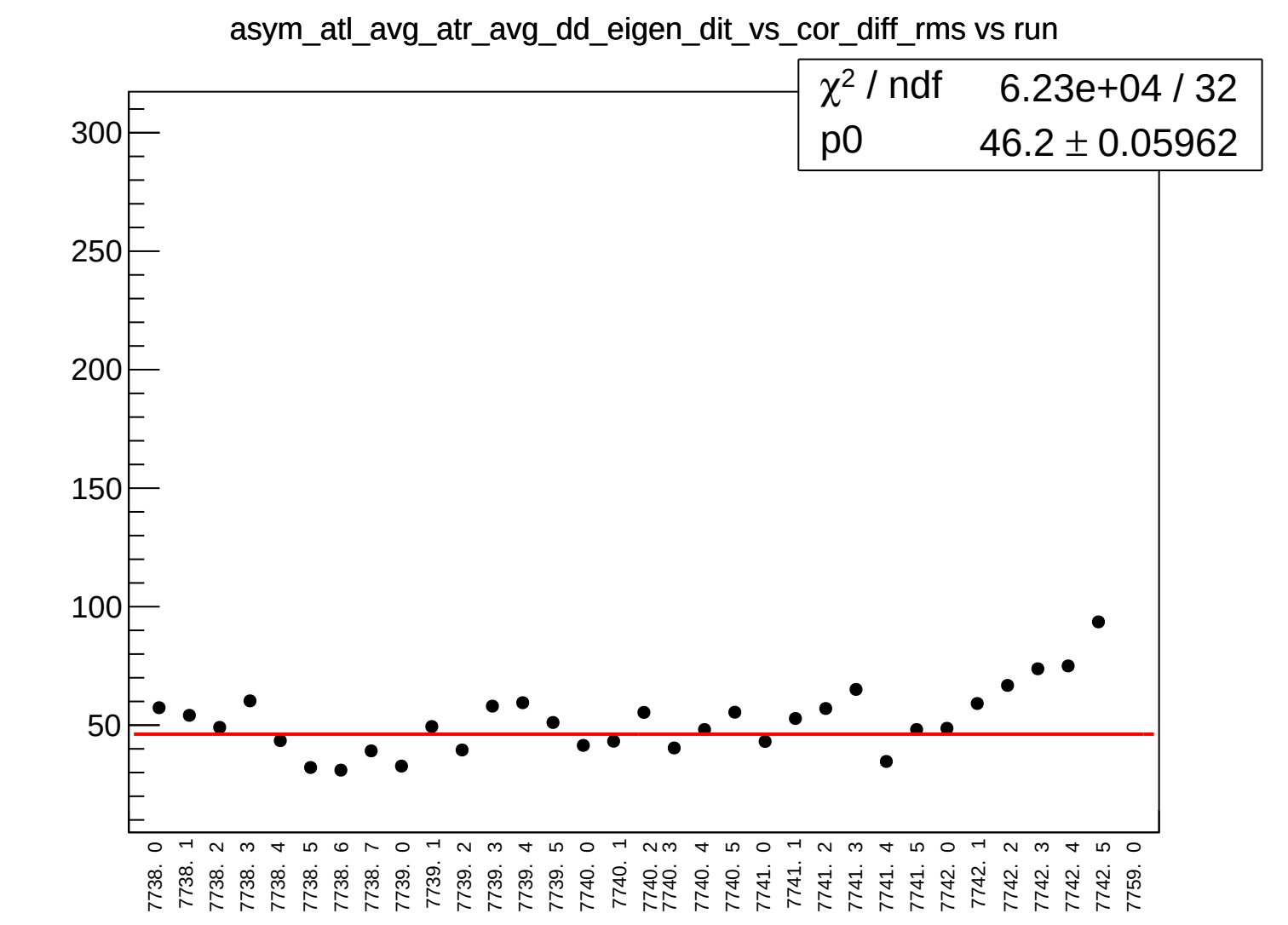

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.66 / 32
p0 0.006051 ± 0.08431
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −552.9
Std Dev 0
pull1D
Entries 33
Mean 0.00122
Std Dev 1.01

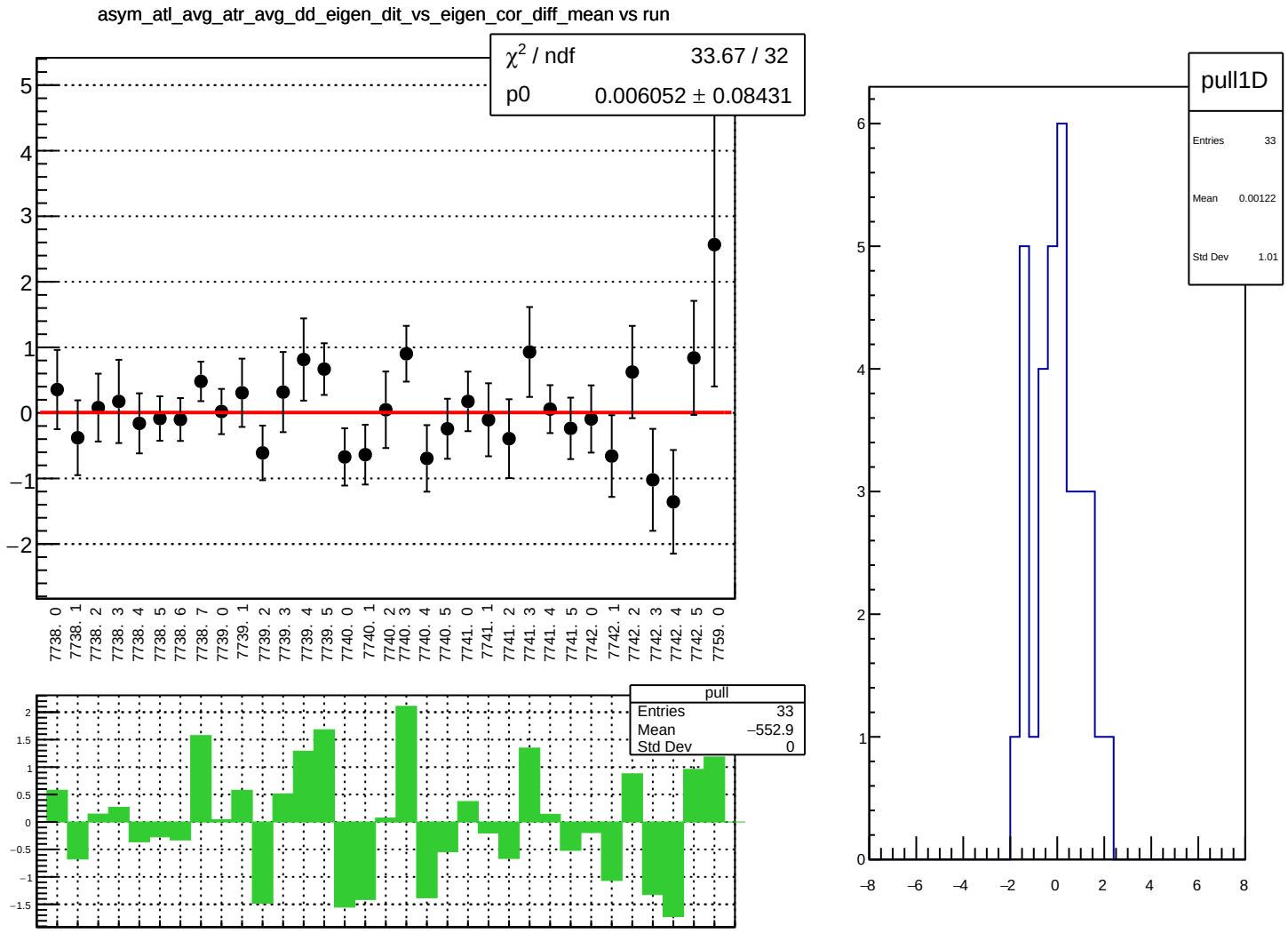

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.229e+04 / 32
p0 46.2 ± 0.05962
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

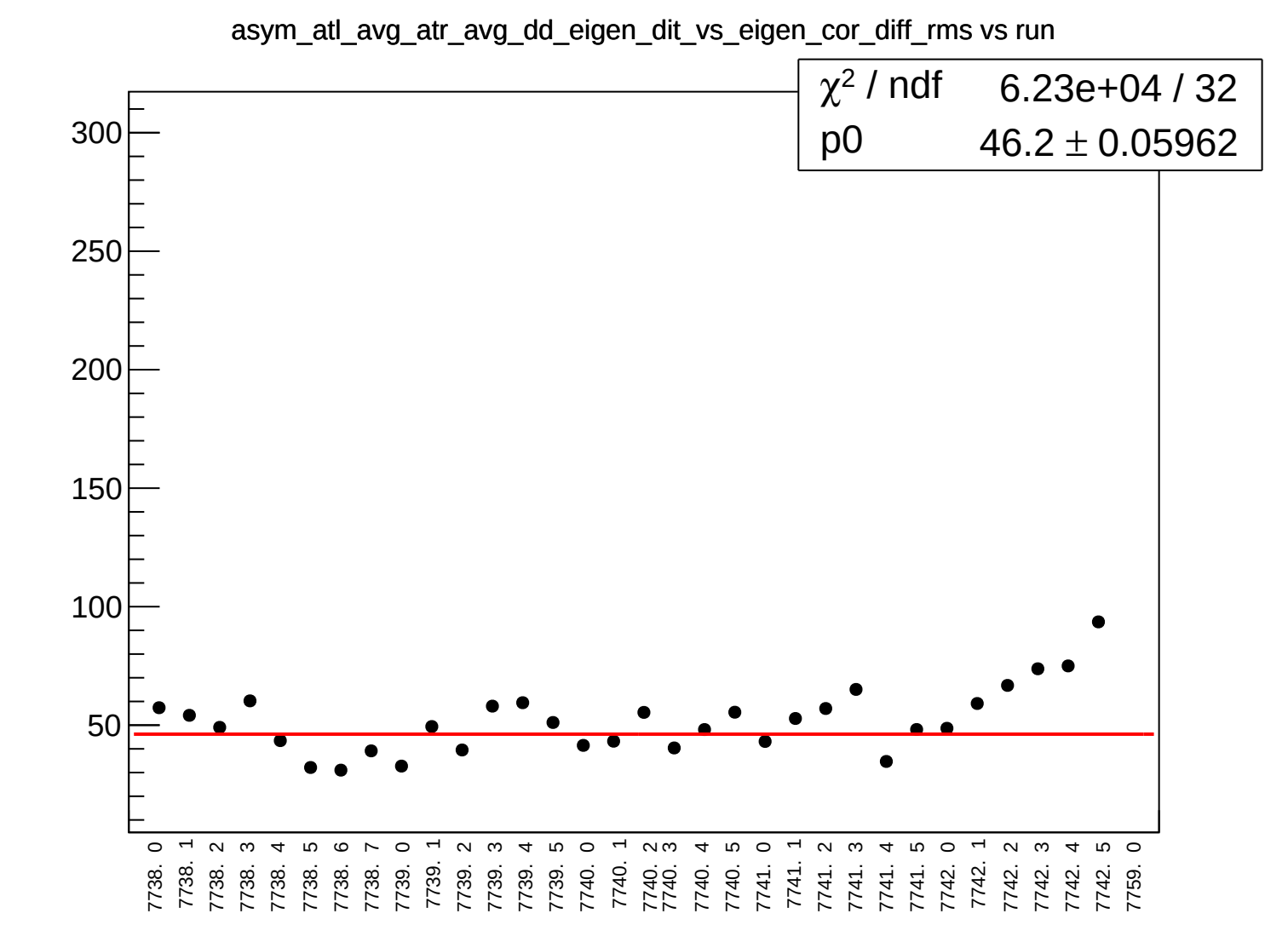

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 23.86 / 32
p0 4.565e−07 ± 3.293e−06
0.15
0.1
0.05
0
−0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 110.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.04235
Std Dev 0.8492
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

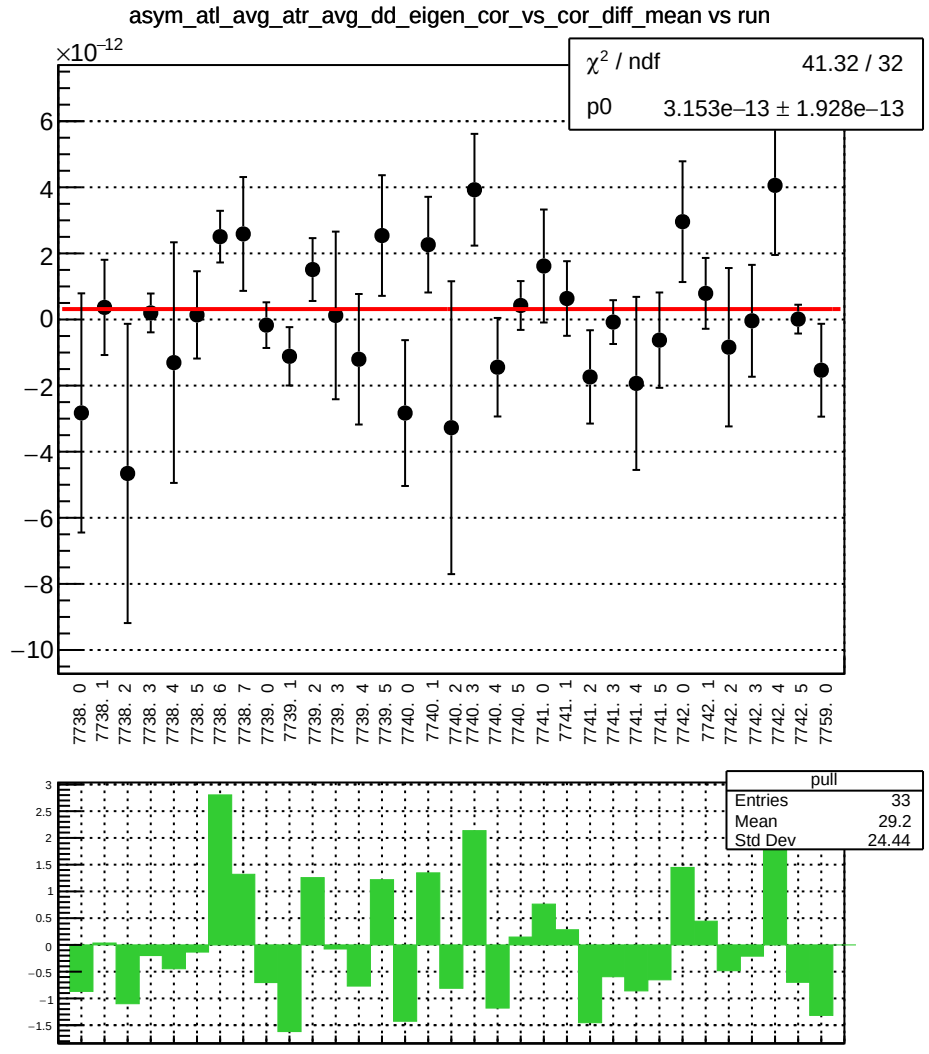

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.612e+04 / 32
p0 0.001858 ± 2.329e−06
0.01
0.008
0.006
0.004
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

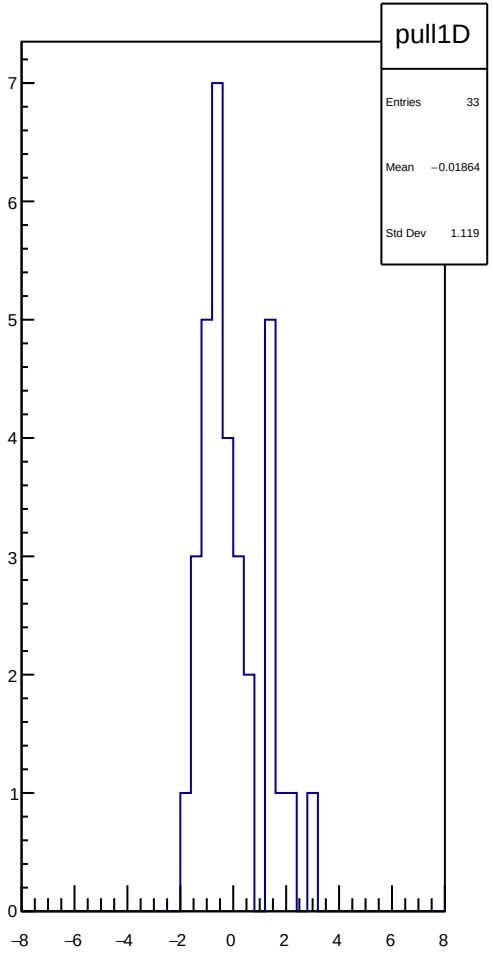

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.67 / 32
p0 0.006052 ± 0.08431
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −552.9
Std Dev 0
pull1D
Entries 33
Mean 0.00122
Std Dev 1.01

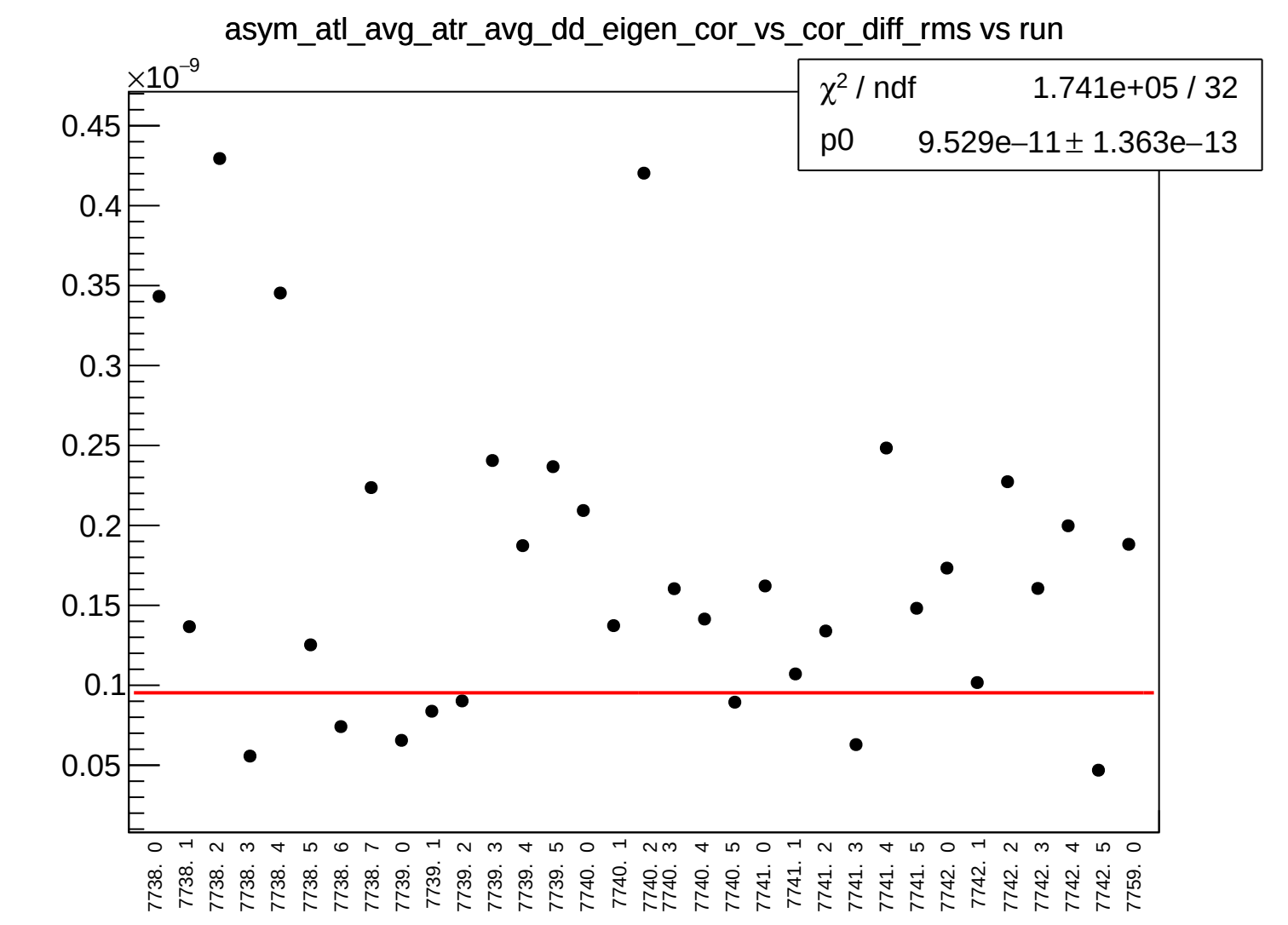

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.23e+04 / 32
p0 46.2 ± 0.05962
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

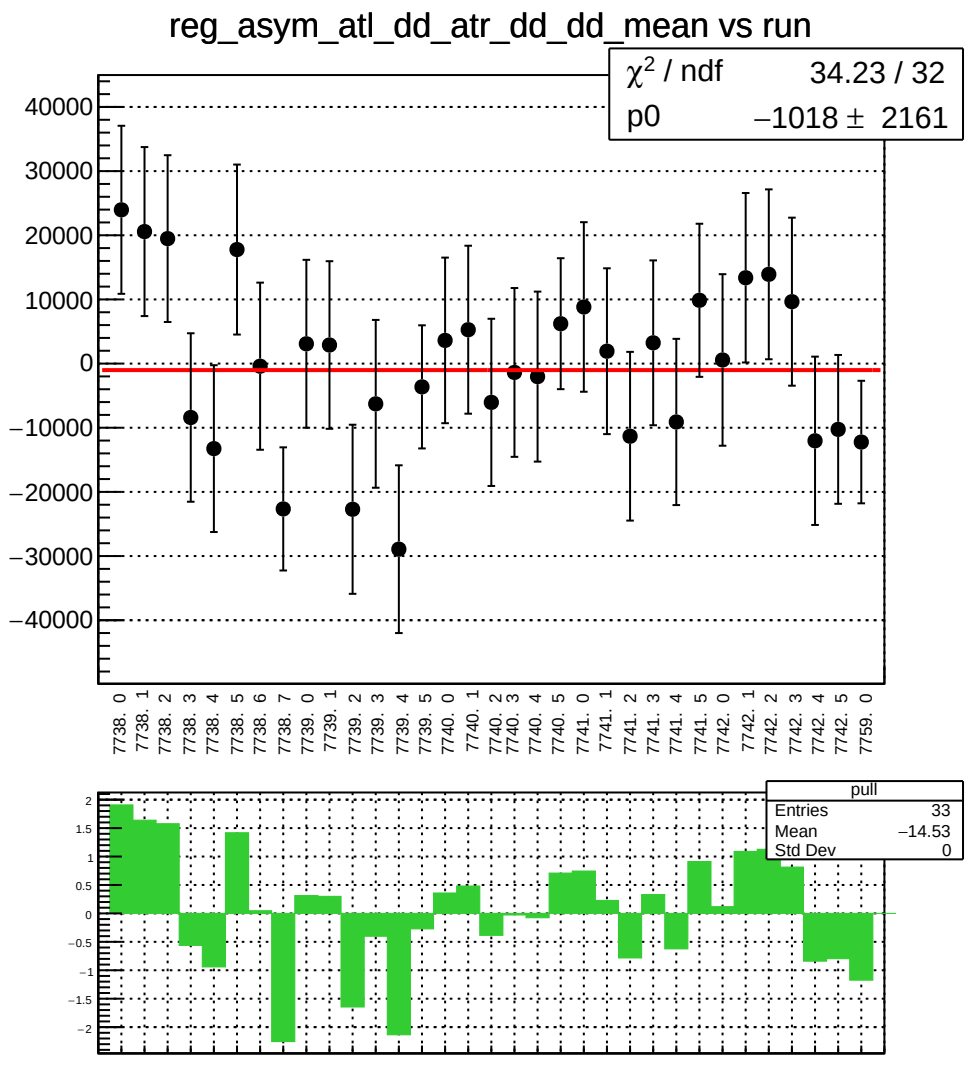

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.67 / 32
p0 0.006052 ± 0.08431
pull
Entries 33
Mean −552.9
Std Dev 0
pull1D
Entries 33
Mean 0.00122
Std Dev 1.01

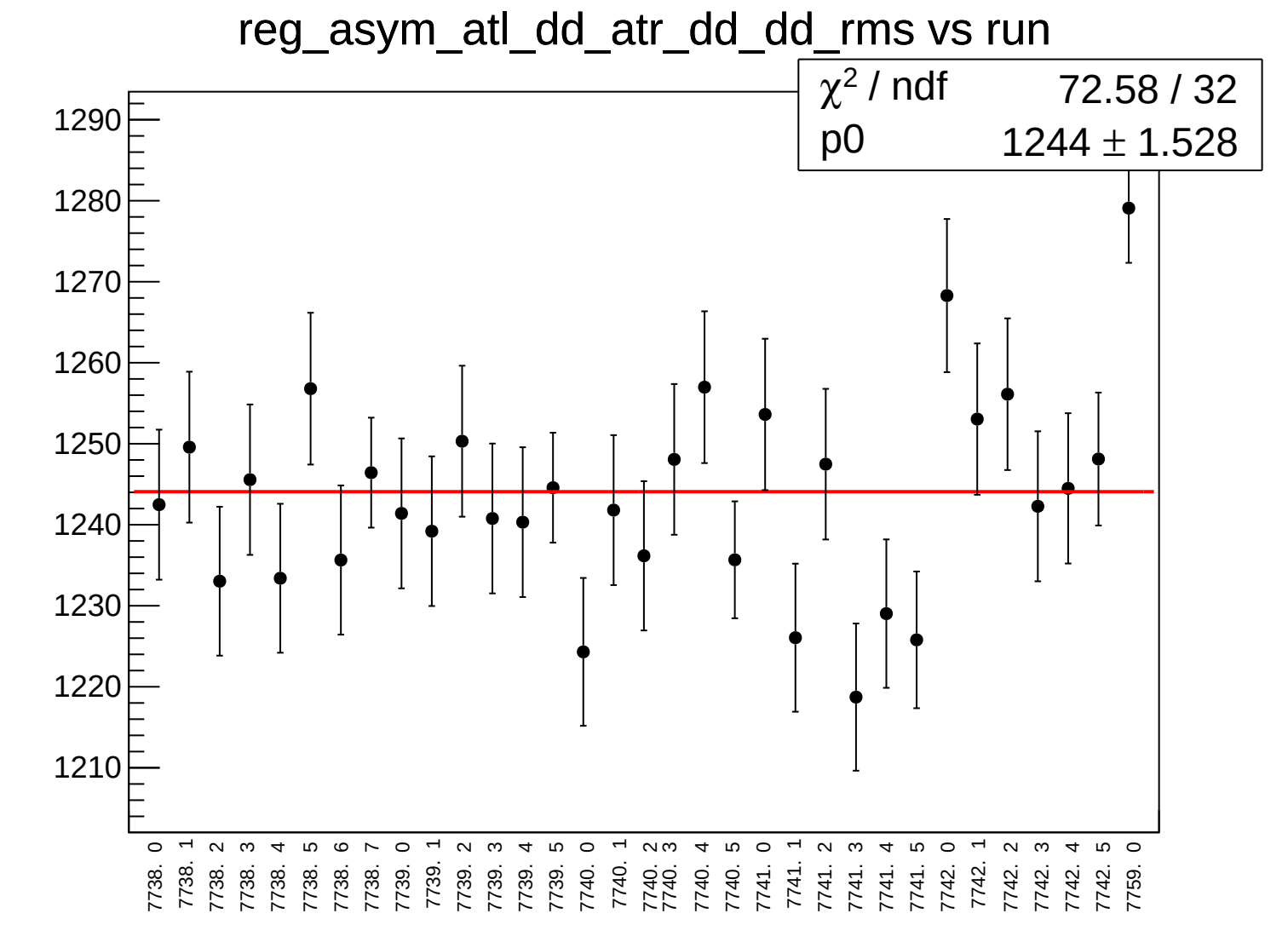

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.23e+04 / 32
p0 46.2 ± 0.05962
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

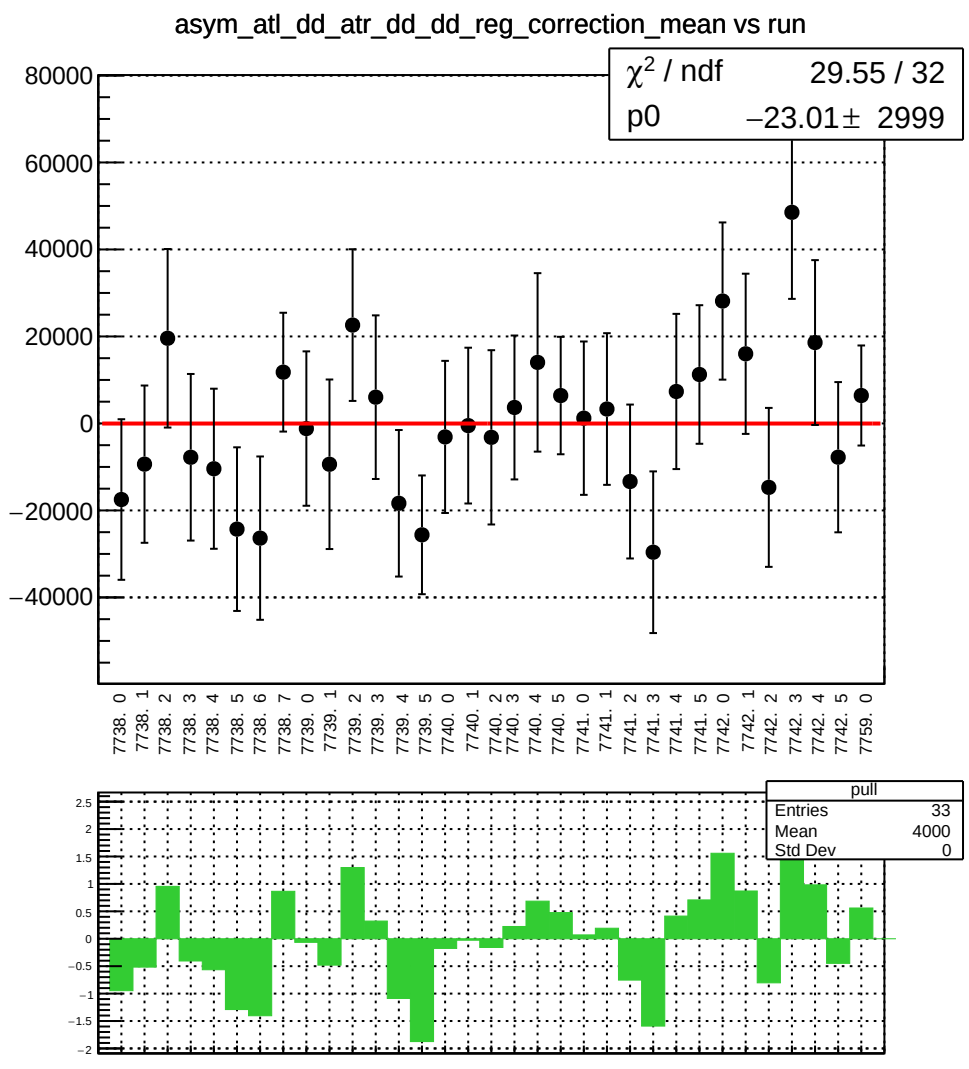

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.32 / 32
p0 3.153e−13 ± 1.928e−13
6
4
2
0
−2
−4
−6
−8
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.2
Std Dev 24.44
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

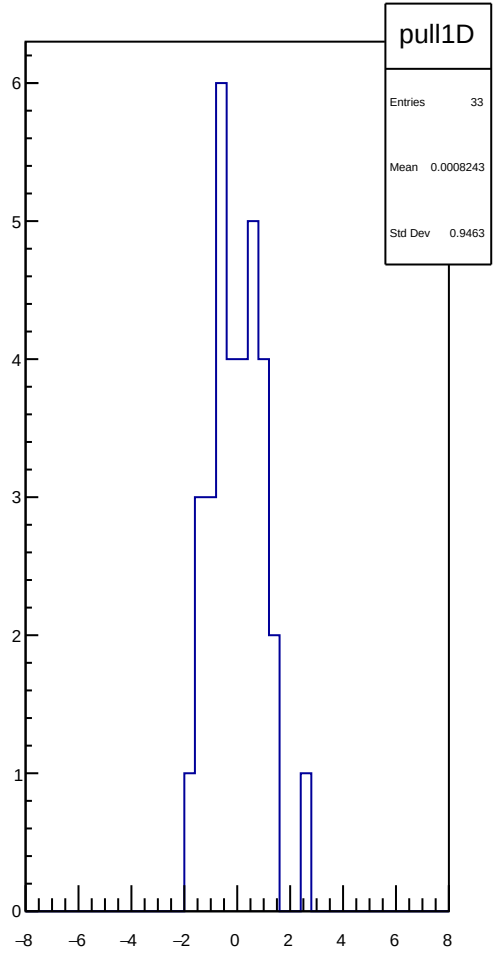

pull1D
Entries 33
Mean −0.01864
Std Dev 1.119
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

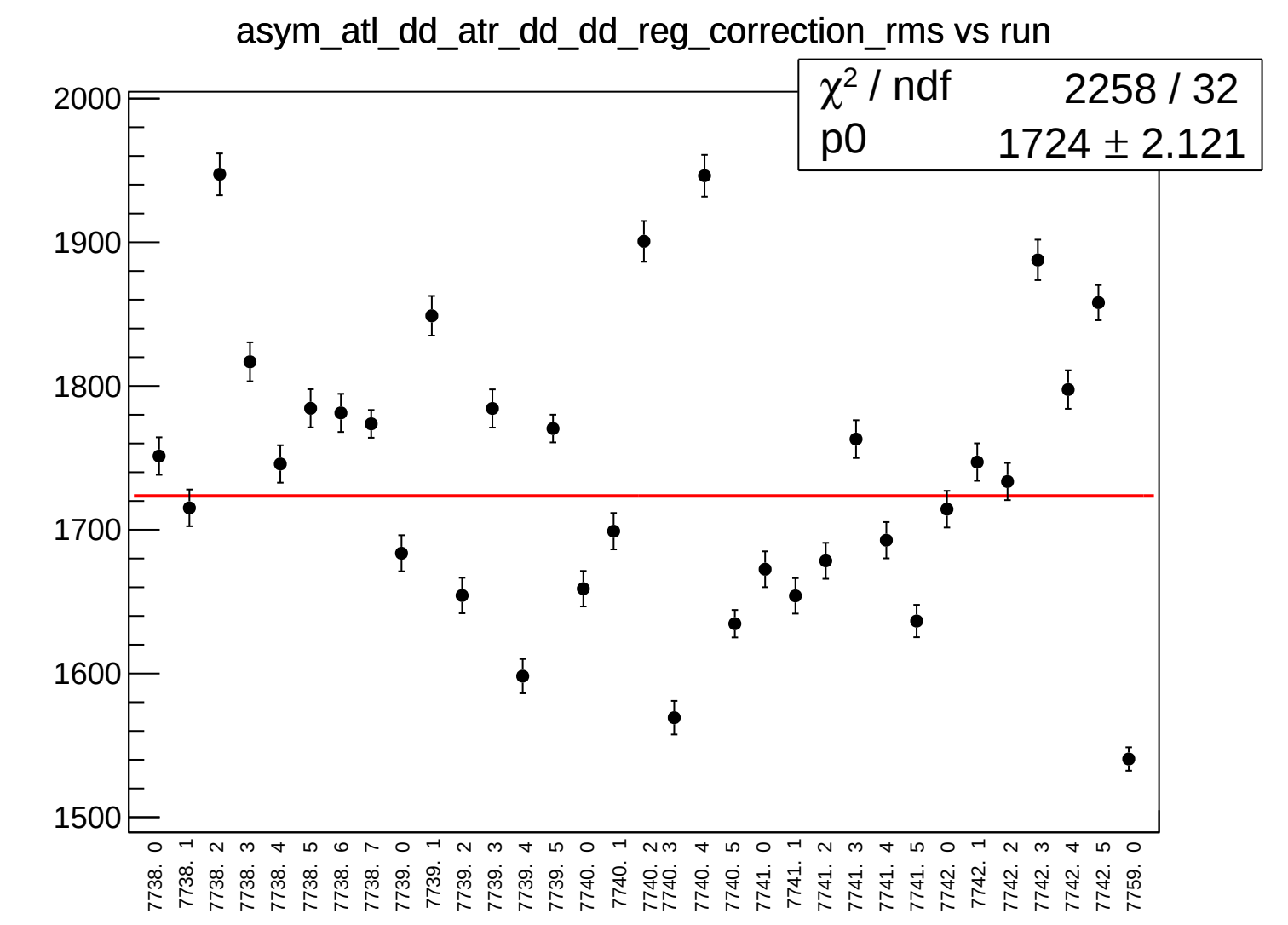

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.741e+05 / 32
p0 9.529e−11 ± 1.363e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

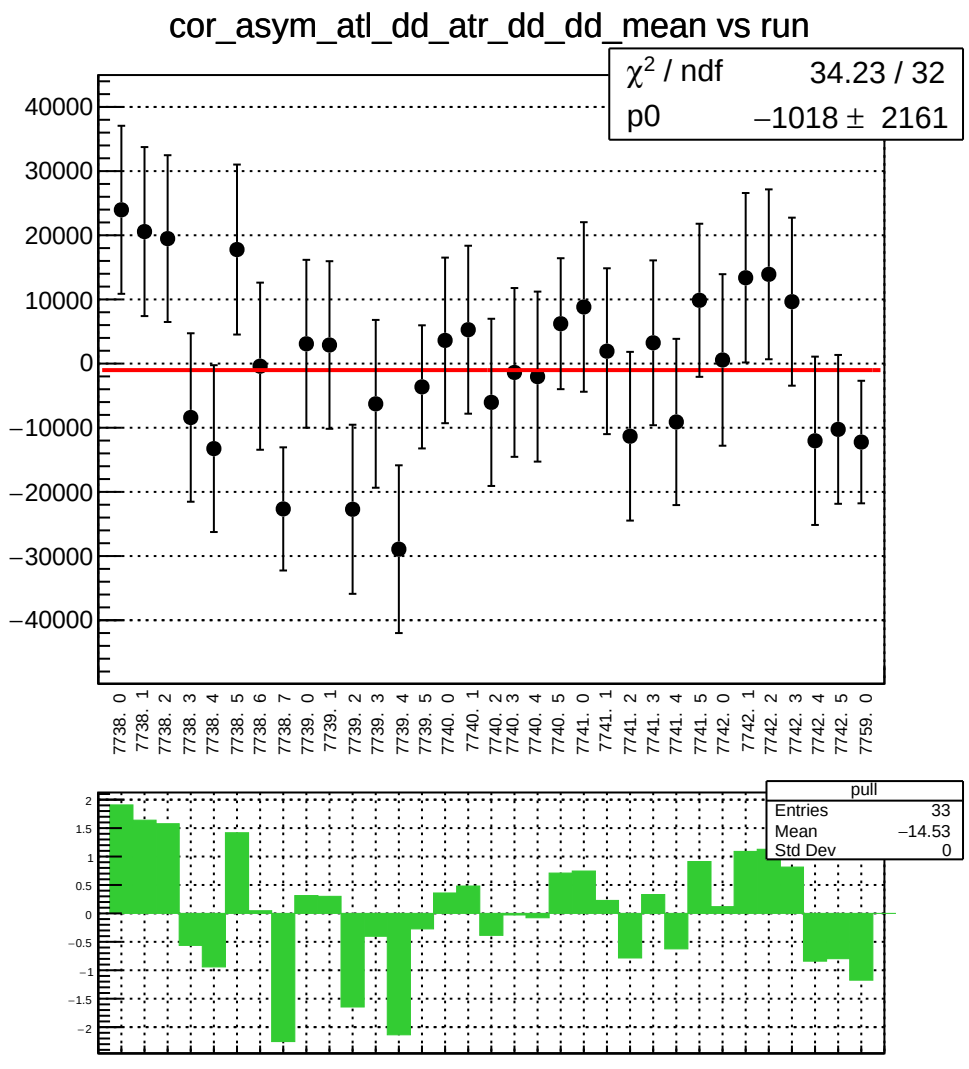

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 34.23 / 32
p0 −1018 ± 2161
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03636
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

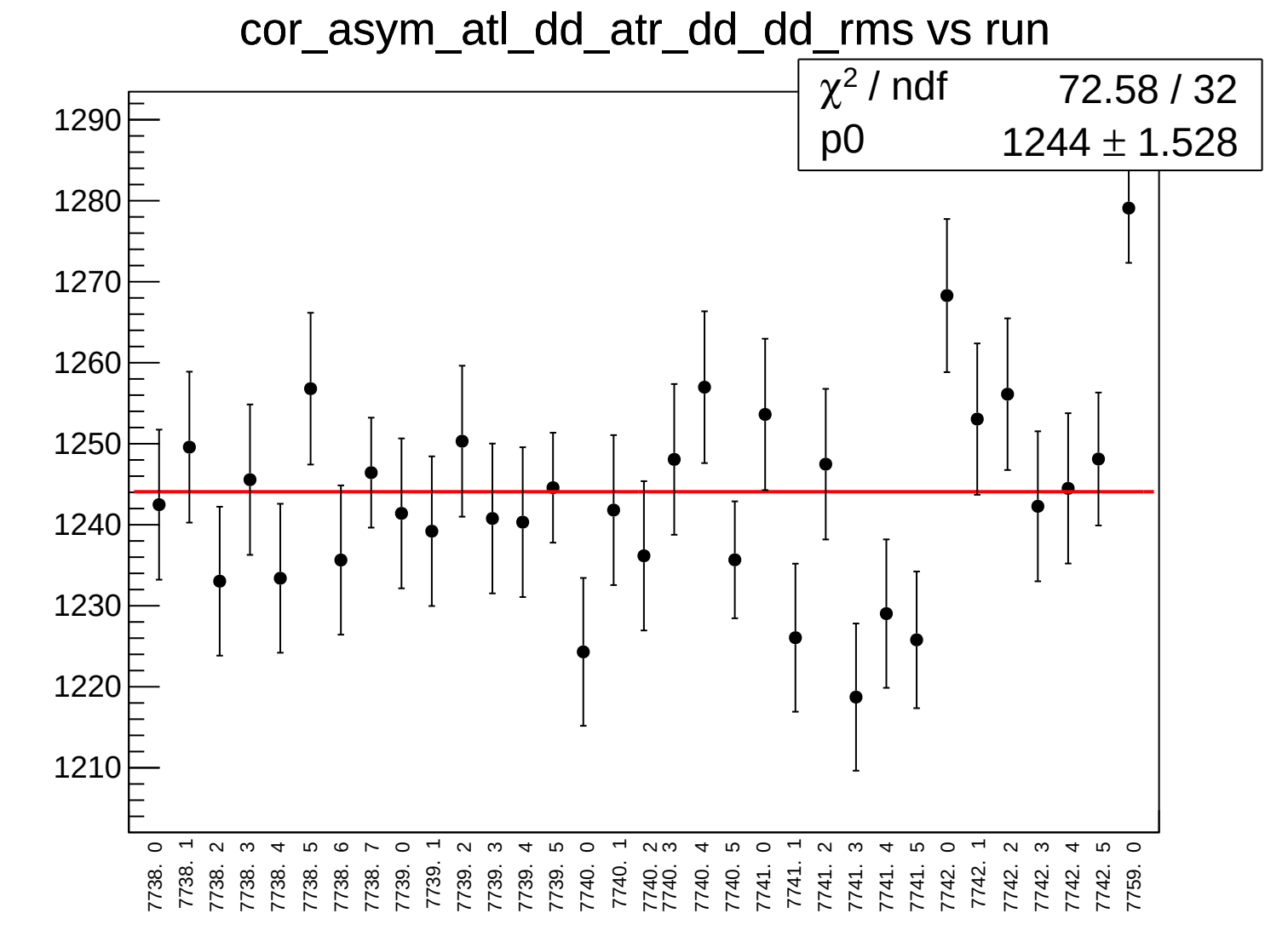

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 72.58 / 32
p0 1244 ± 1.528
1290
1280
1270
1260
1250
1240
1230
1220
1210
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

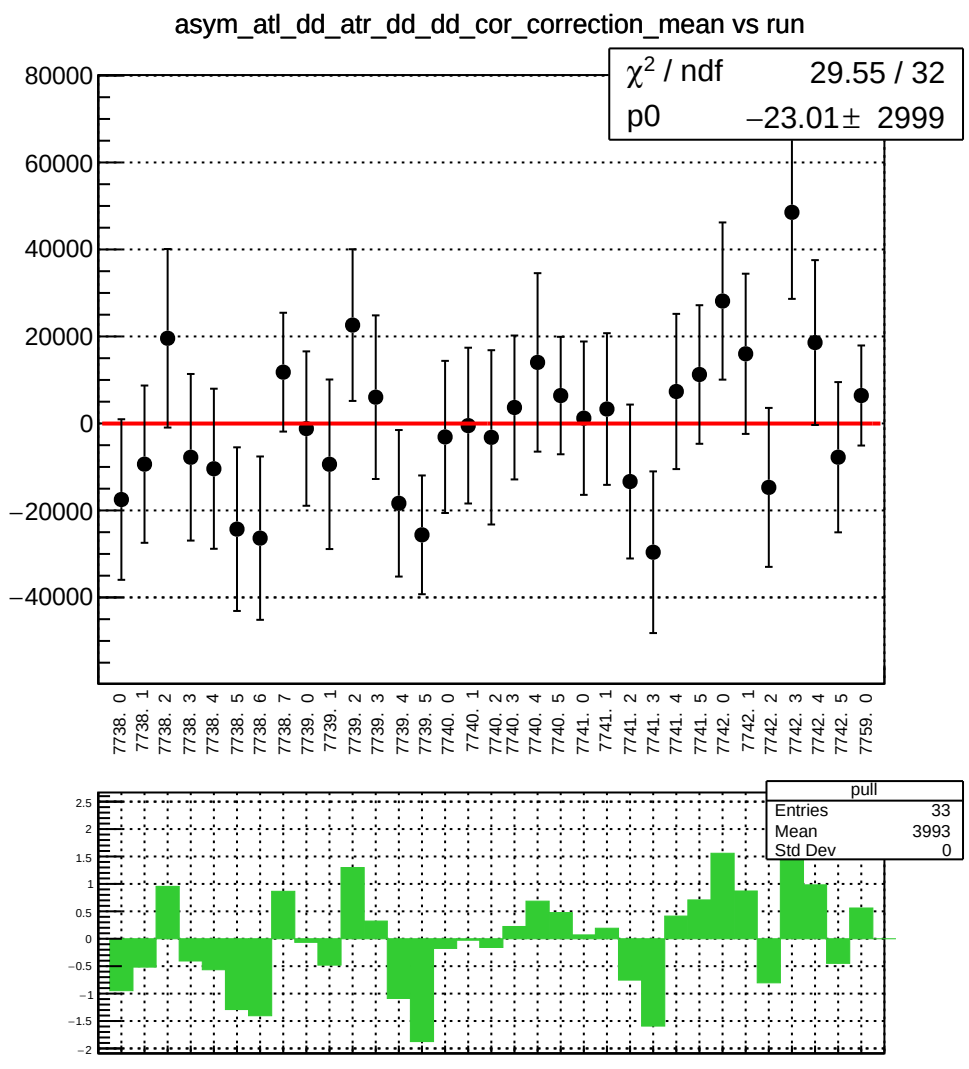

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 29.55 / 32
p0 −23.01± 2999
80000
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4000
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

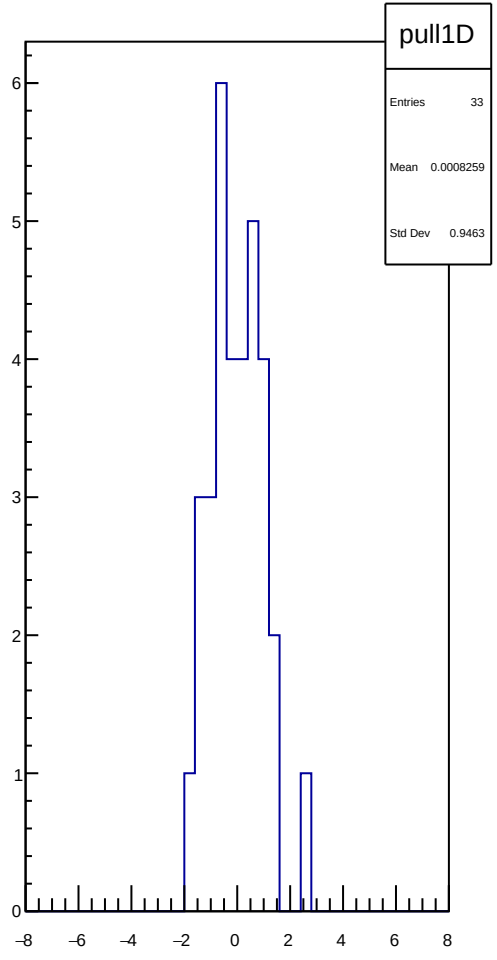

pull1D
Entries 33
Mean 0.0008243
Std Dev 0.9463
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

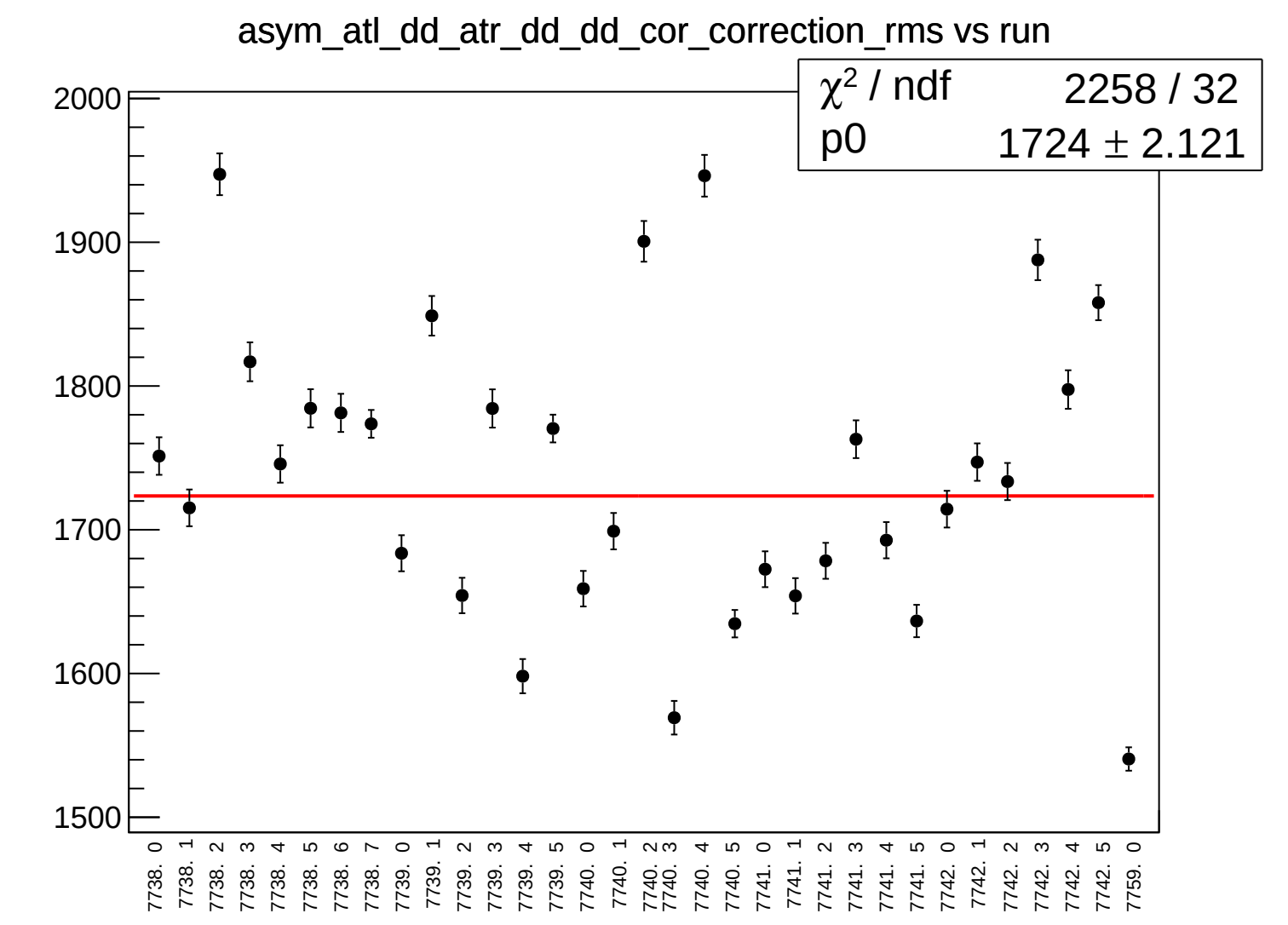

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 2258 / 32
p0 1724 ± 2.121
2000
1900
1800
1700
1600
1500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

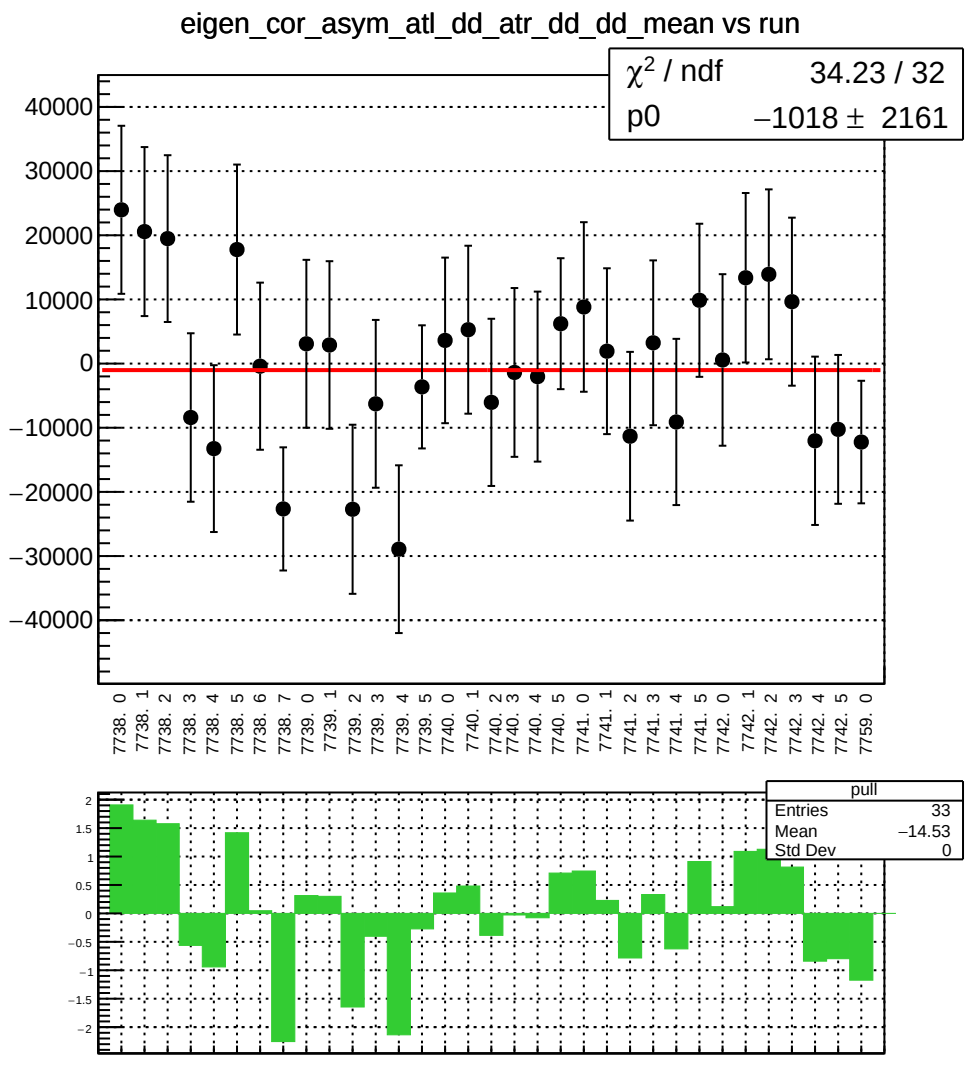

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 34.23 / 32
p0 −1018 ± 2161
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03636
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

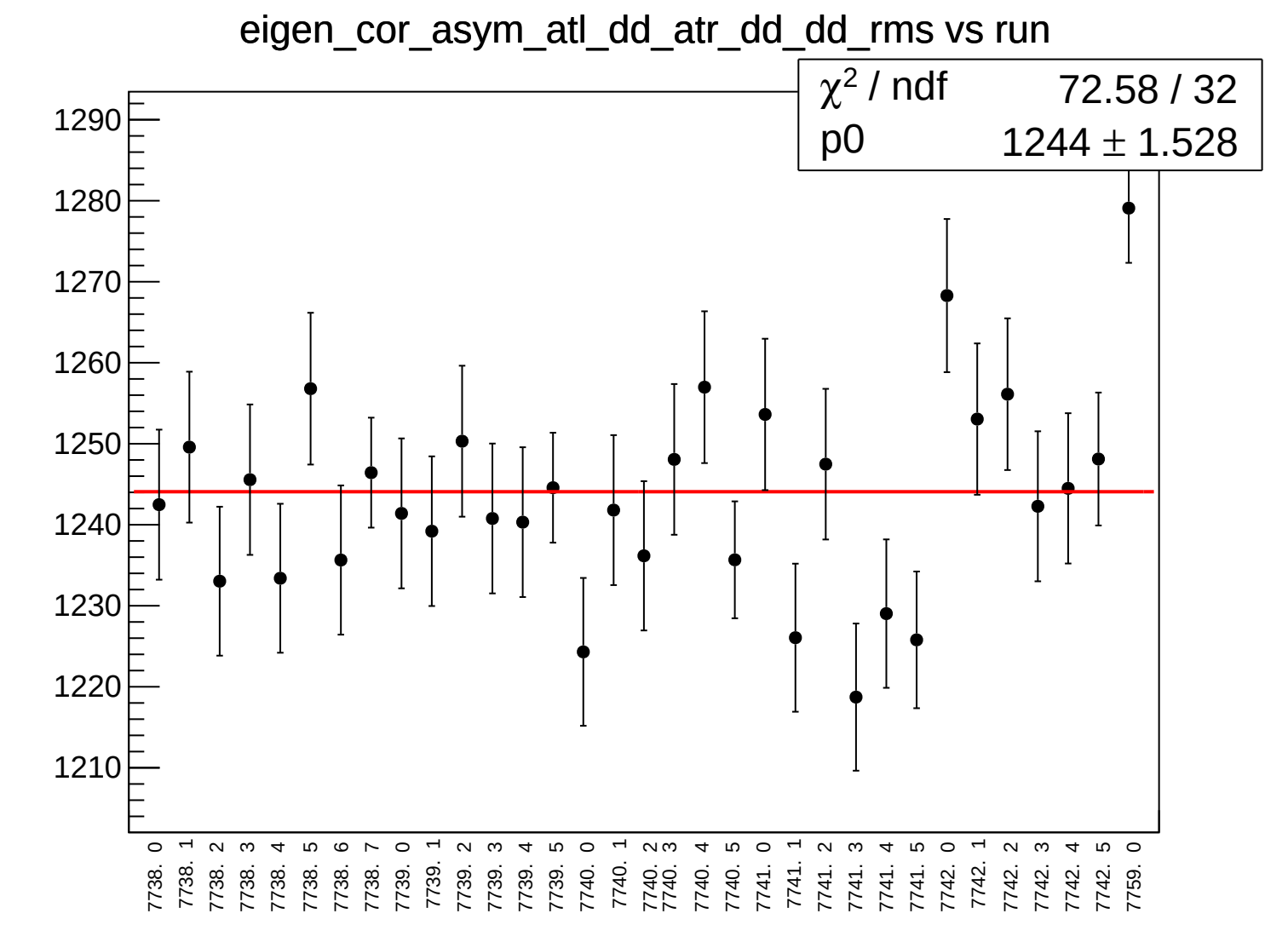

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 72.58 / 32
p0 1244 ± 1.528
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

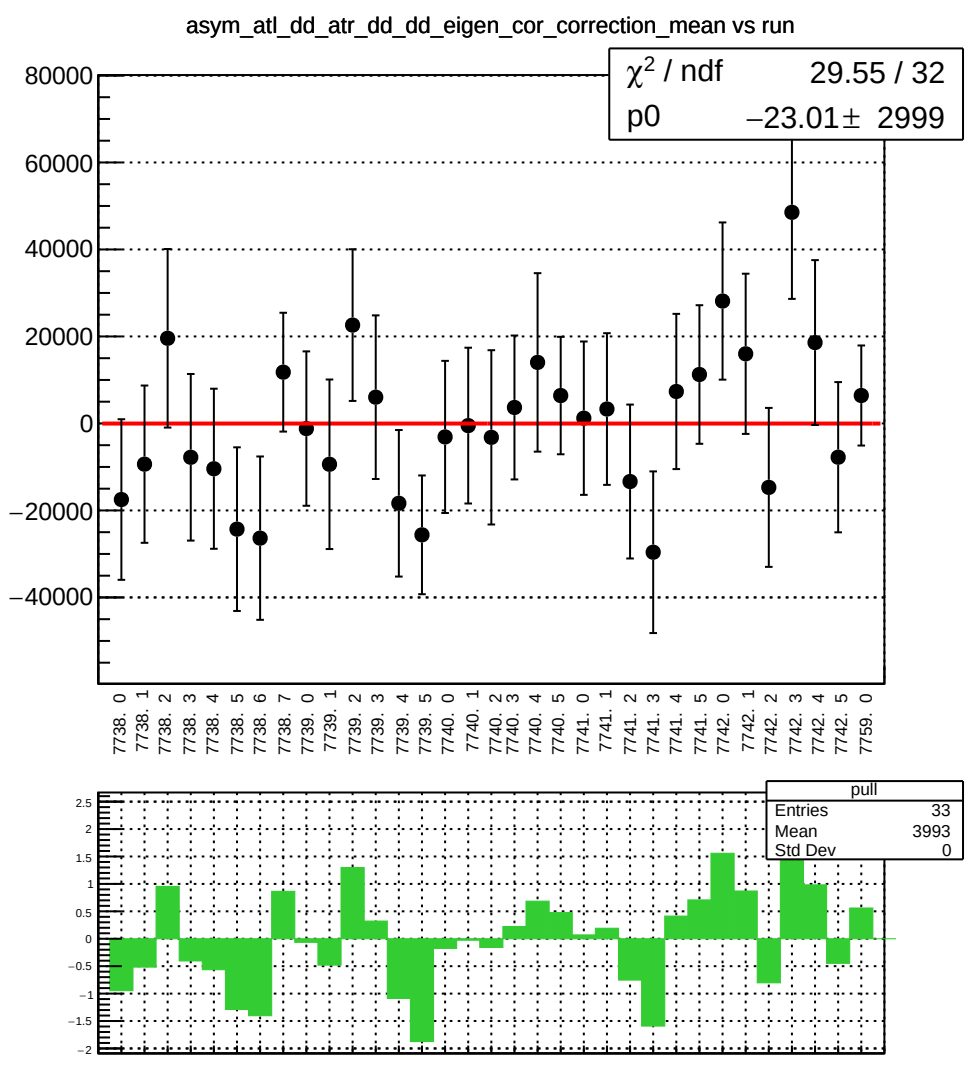

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 29.55 / 32
p0 −23.01± 2999
80000
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3993
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

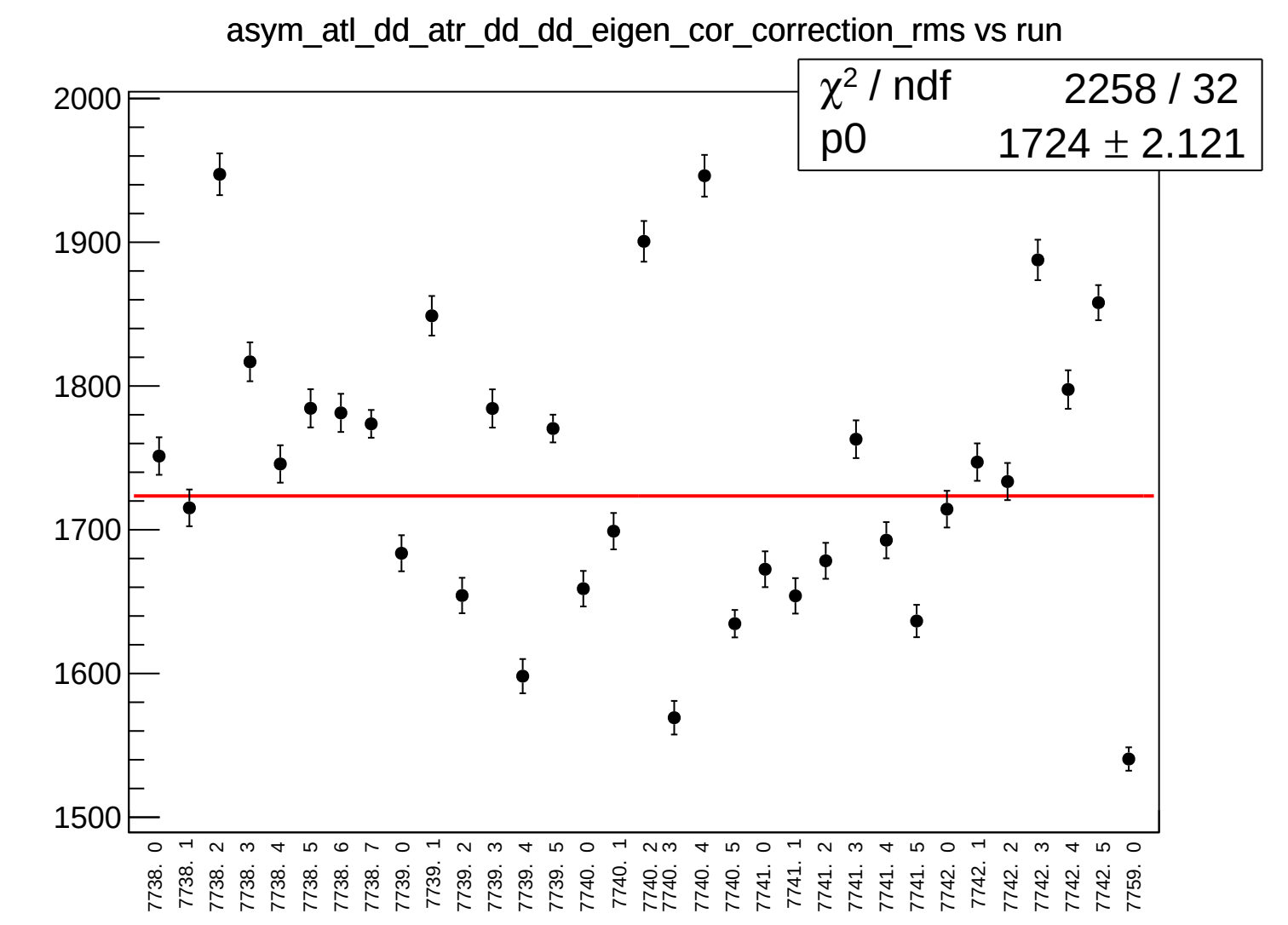

pull1D
Entries 33
Mean 0.0008259
Std Dev 0.9463
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

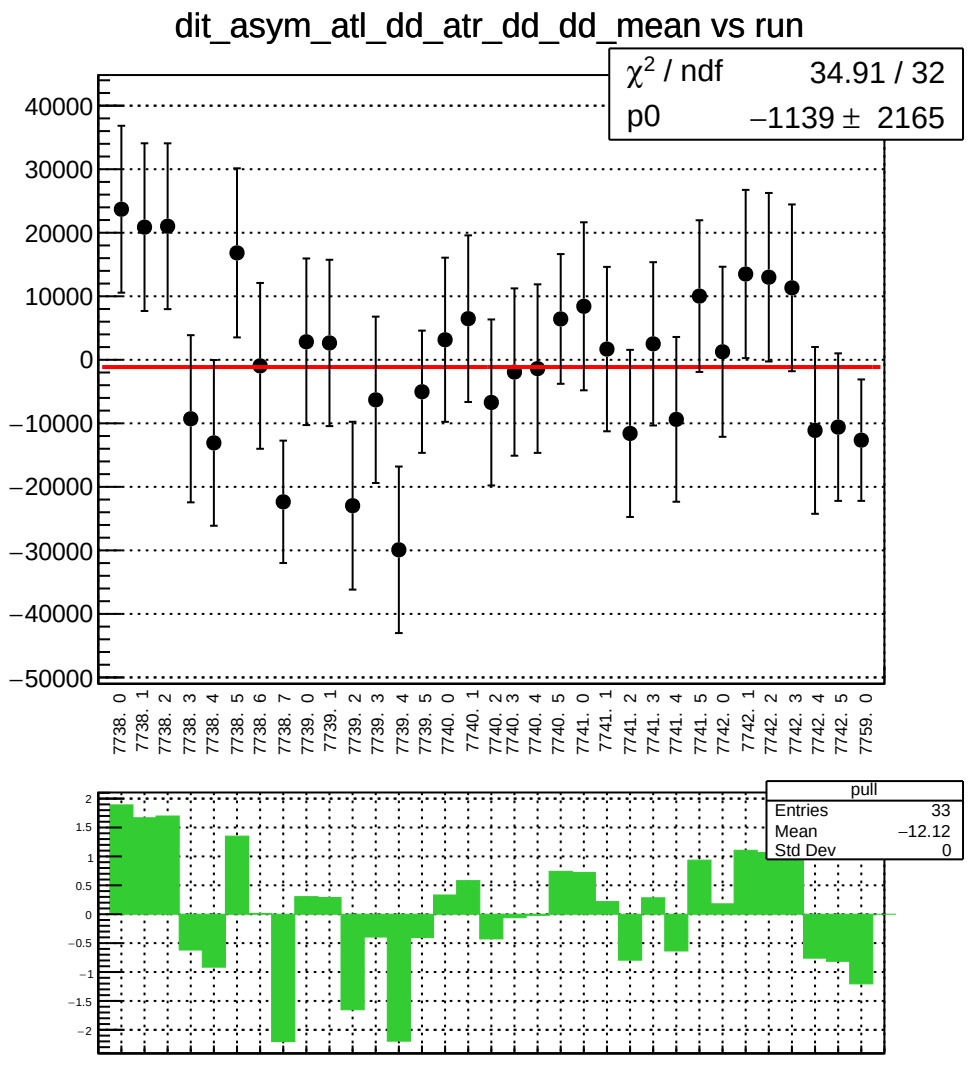

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 2258 / 32
p0 1724 ± 2.121
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

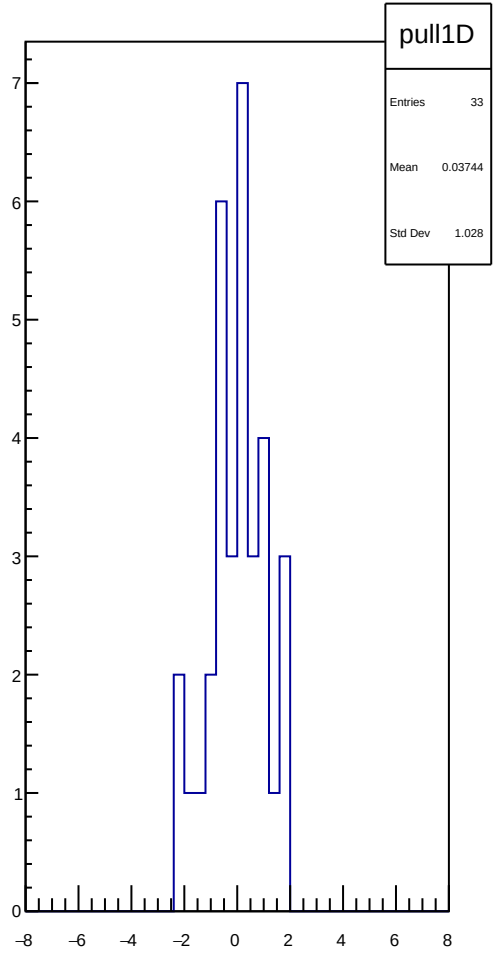

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 34.23 / 32
p0 −1018 ± 2161
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03636
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

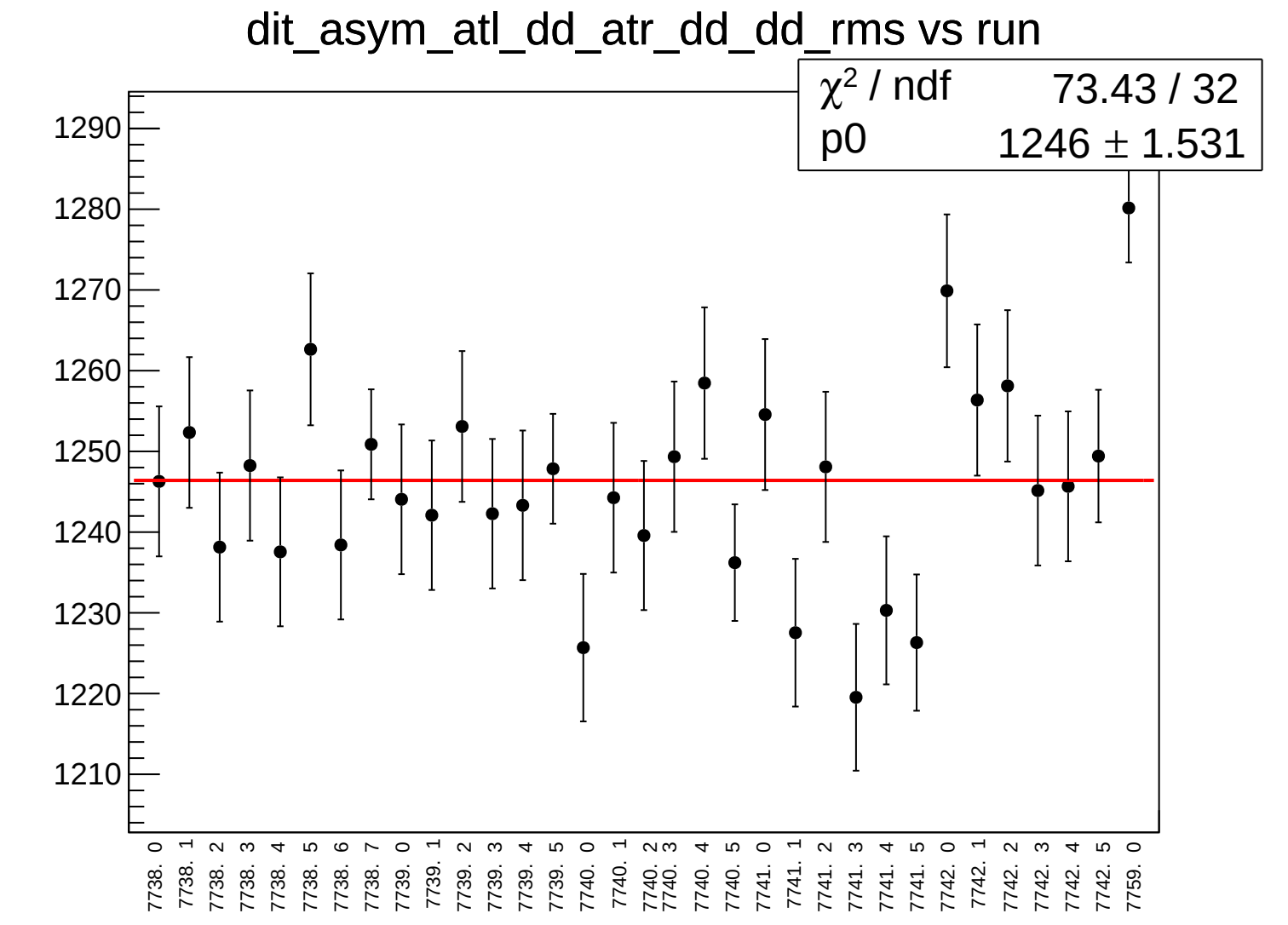

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 72.58 / 32
p0 1244 ± 1.528
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

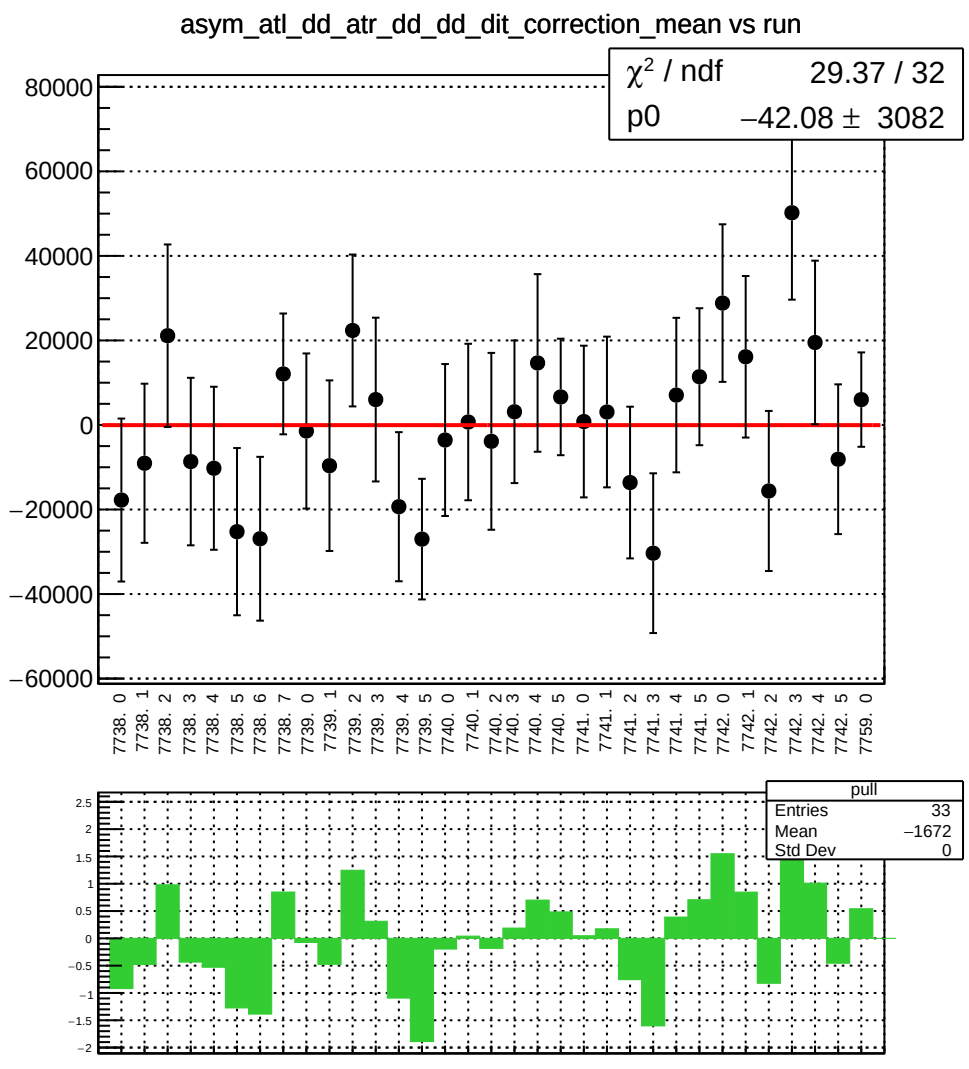

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 29.55 / 32
p0 −23.01± 2999
80000
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3993
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.0008259
Std Dev 0.9463
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

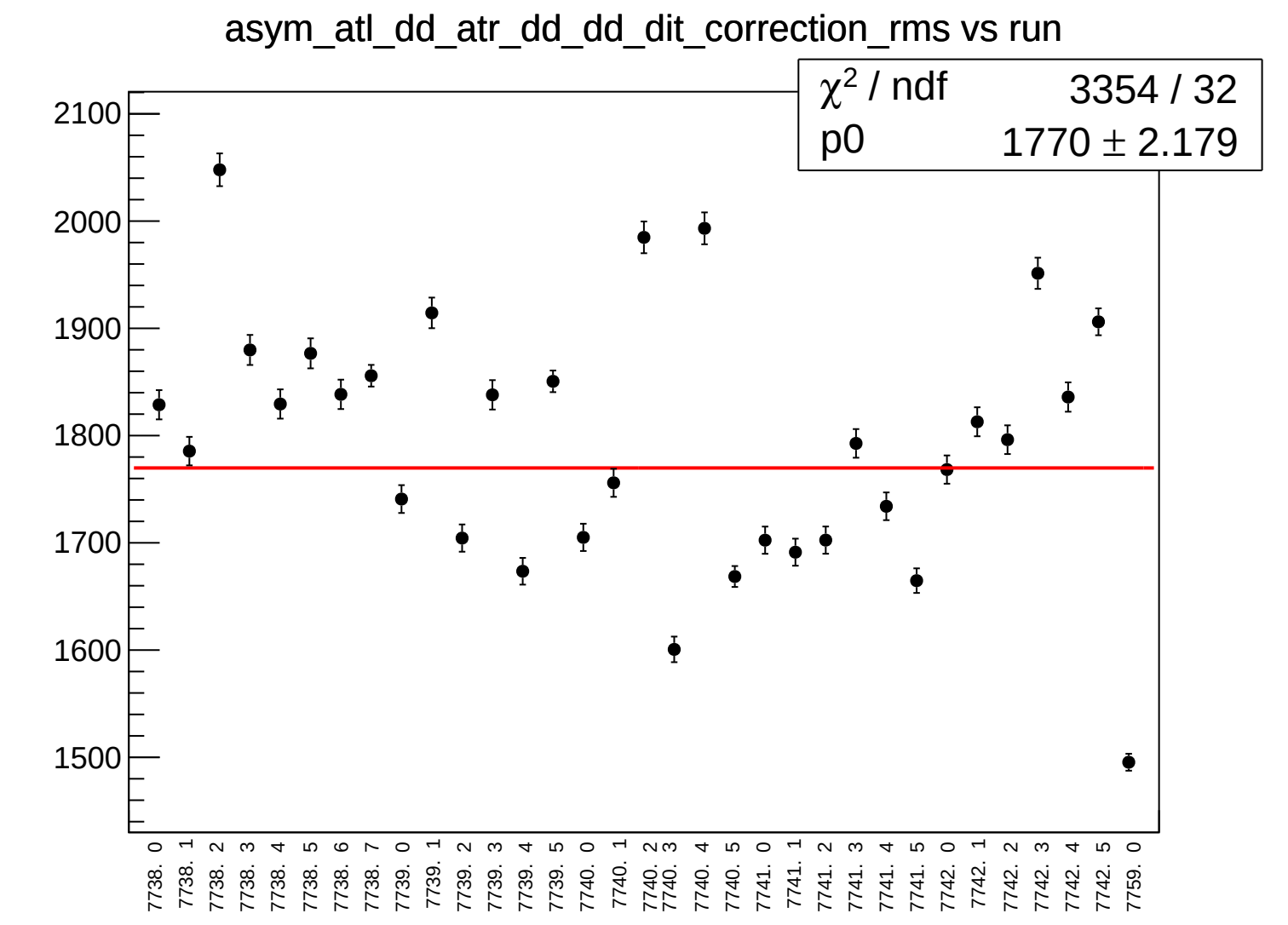

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2258 / 32
p0 1724 ± 2.121
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

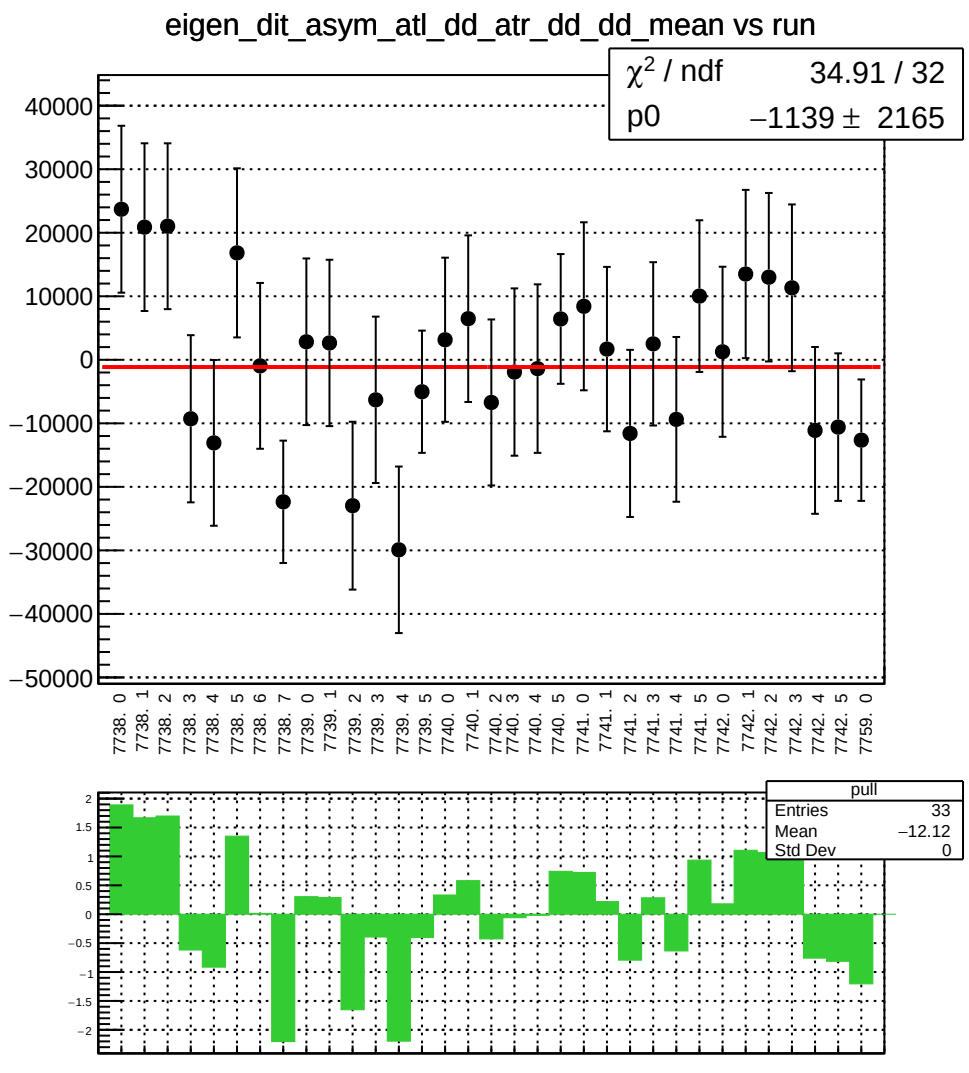

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 34.91 / 32
p0 −1139 ± 2165
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

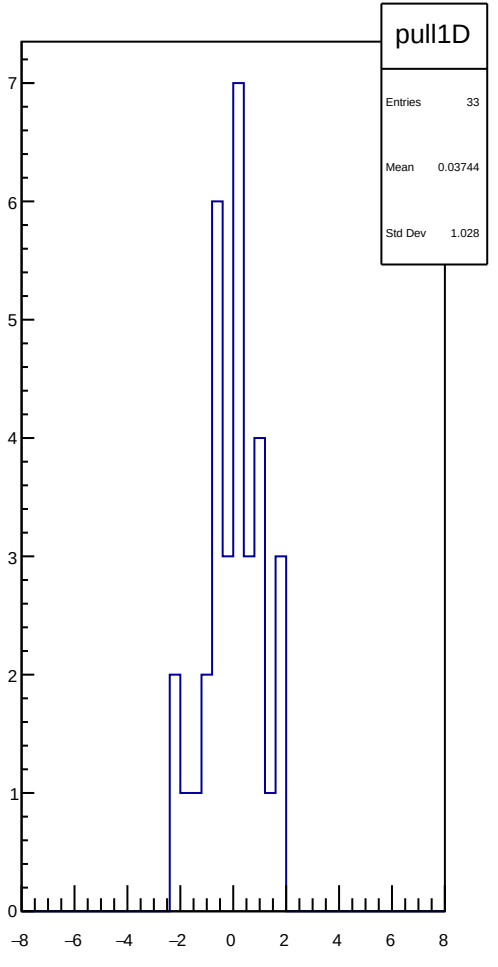

pull1D
Entries 33
Mean 0.03744
Std Dev 1.028
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

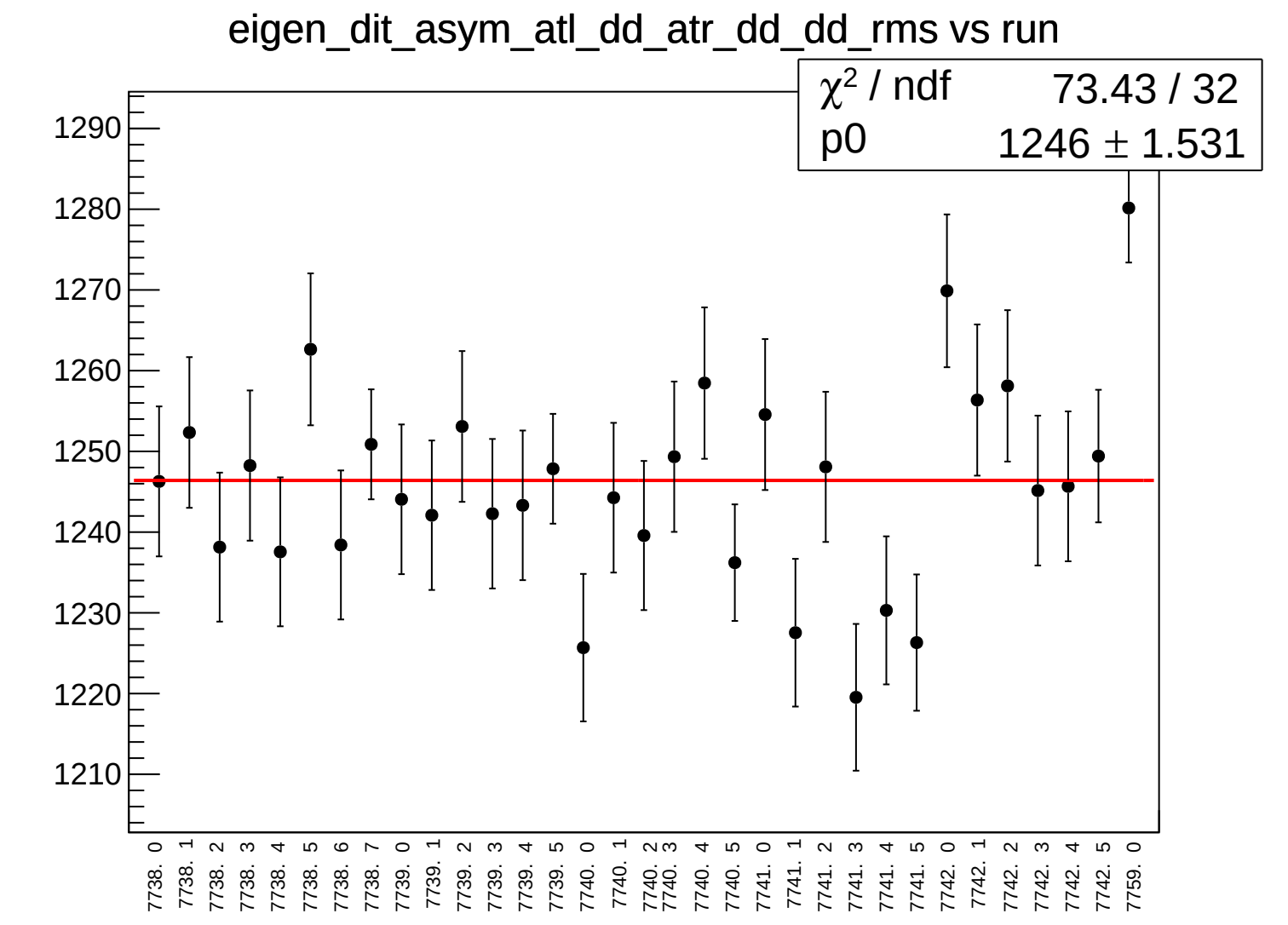

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 73.43 / 32
p0 1246 ± 1.531
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 29.37 / 32
p0 −42.08 ± 3082
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1672
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.001906
Std Dev 0.9434
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

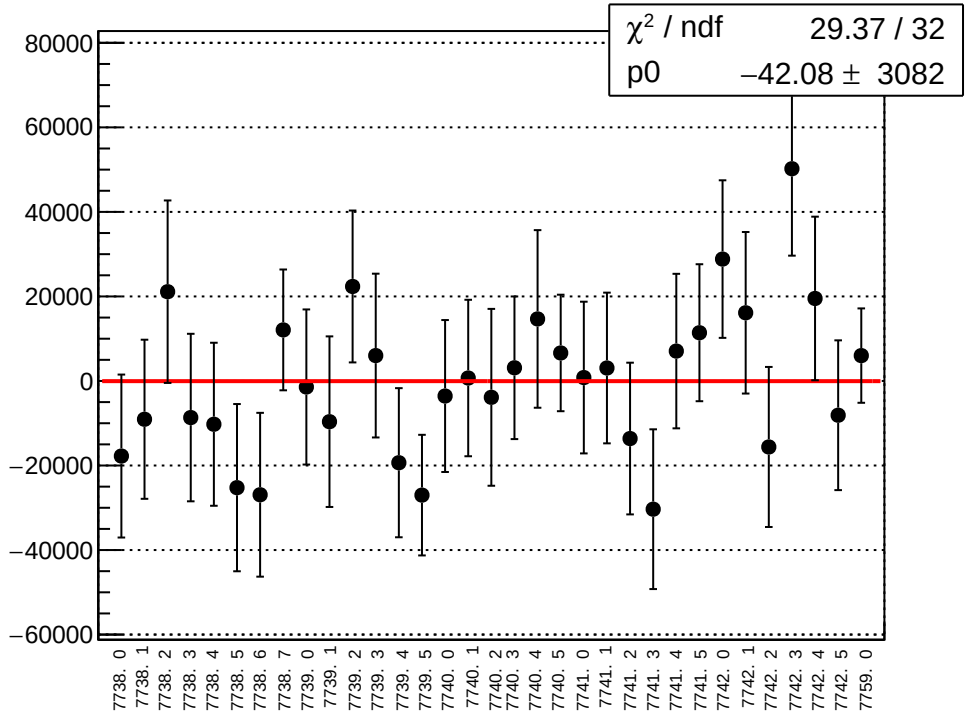

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 3354 / 32
p0 1770 ± 2.179
2100
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

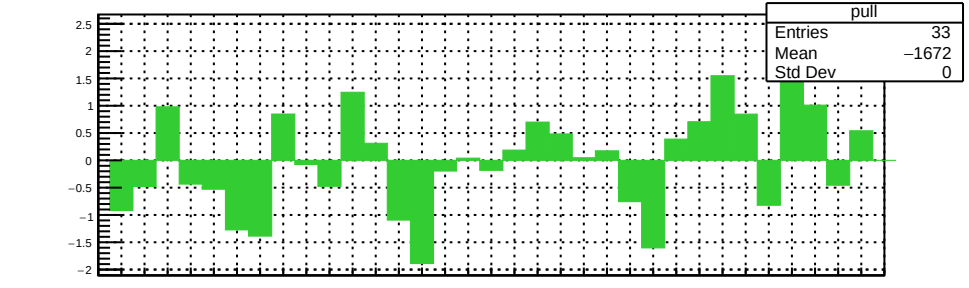

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 34.91 / 32
p0 −1139 ± 2165
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

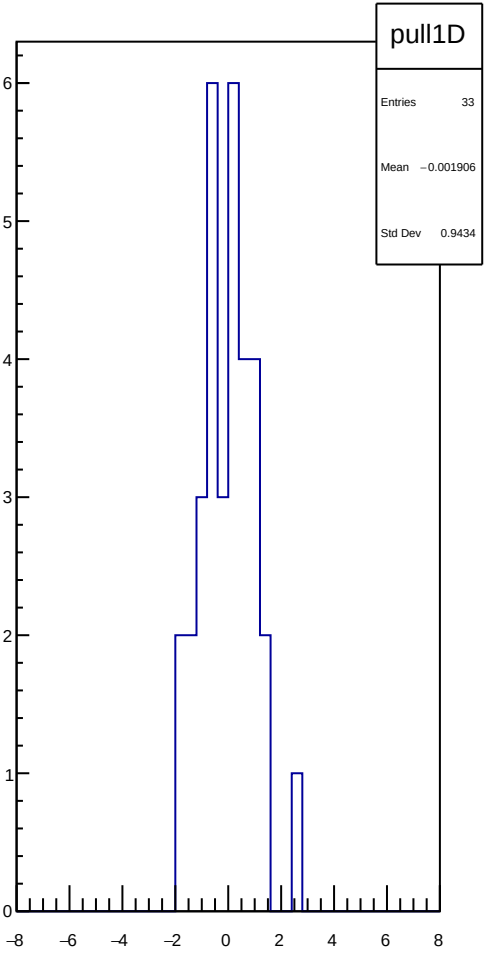

pull1D
Entries 33
Mean 0.03744
Std Dev 1.028
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

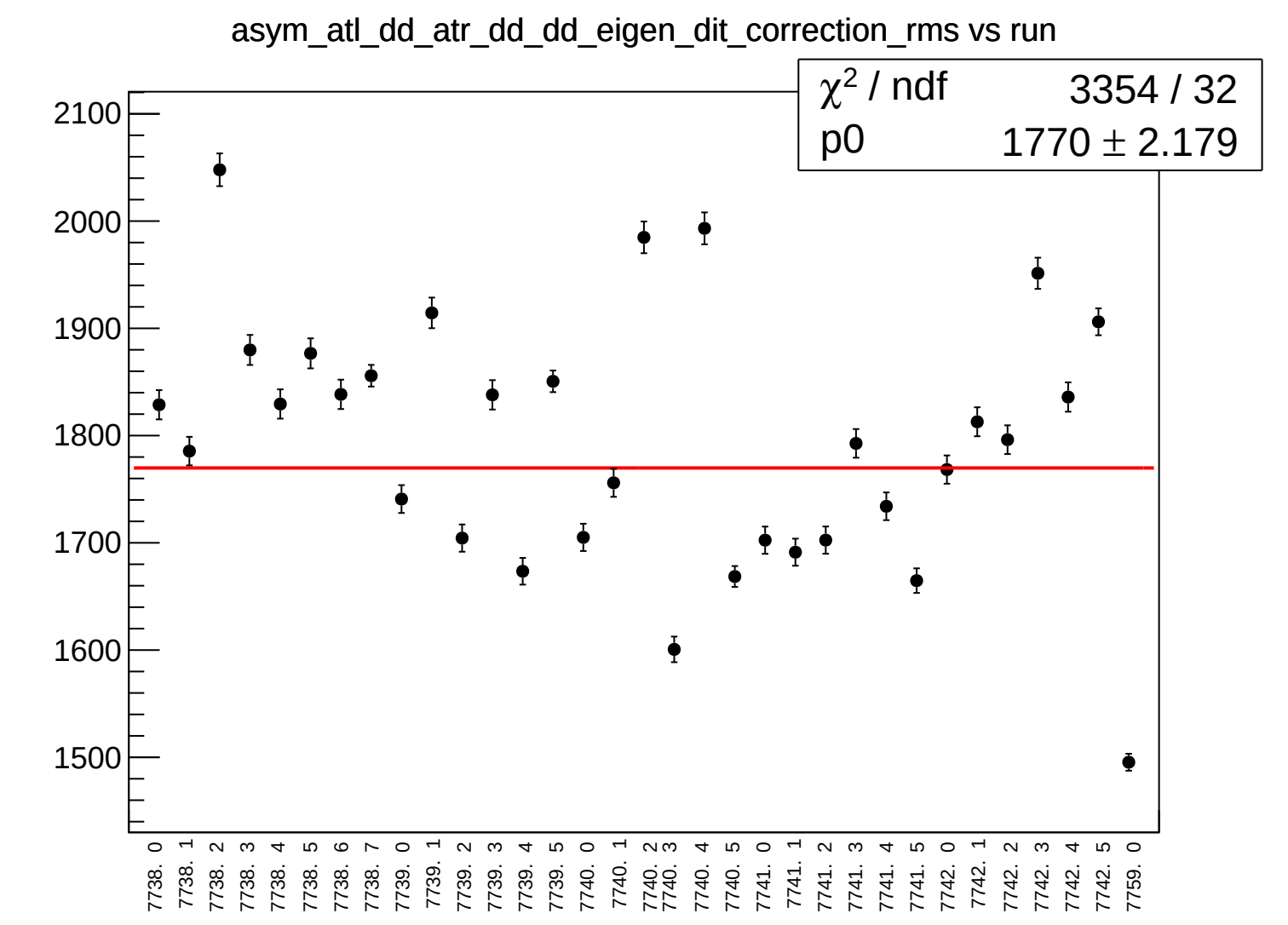

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 73.43 / 32
p0 1246 ± 1.531
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

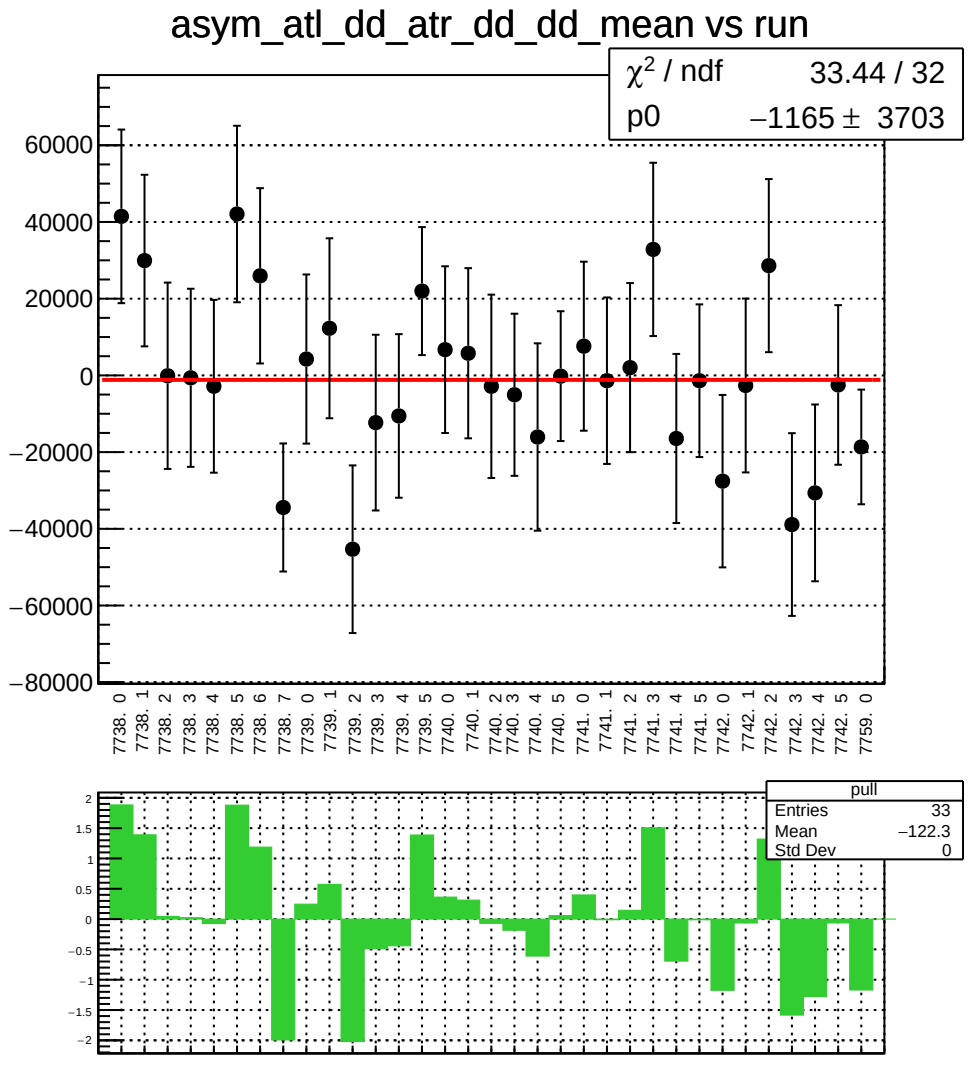
asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run

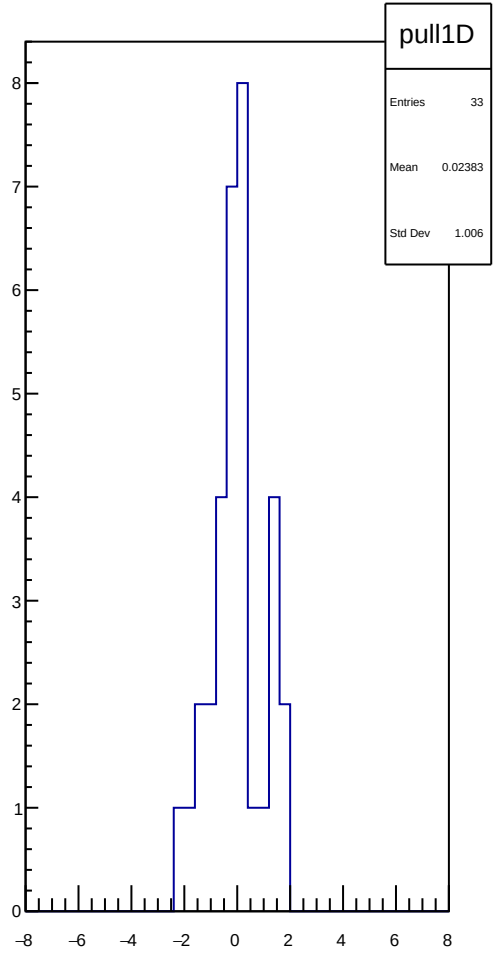


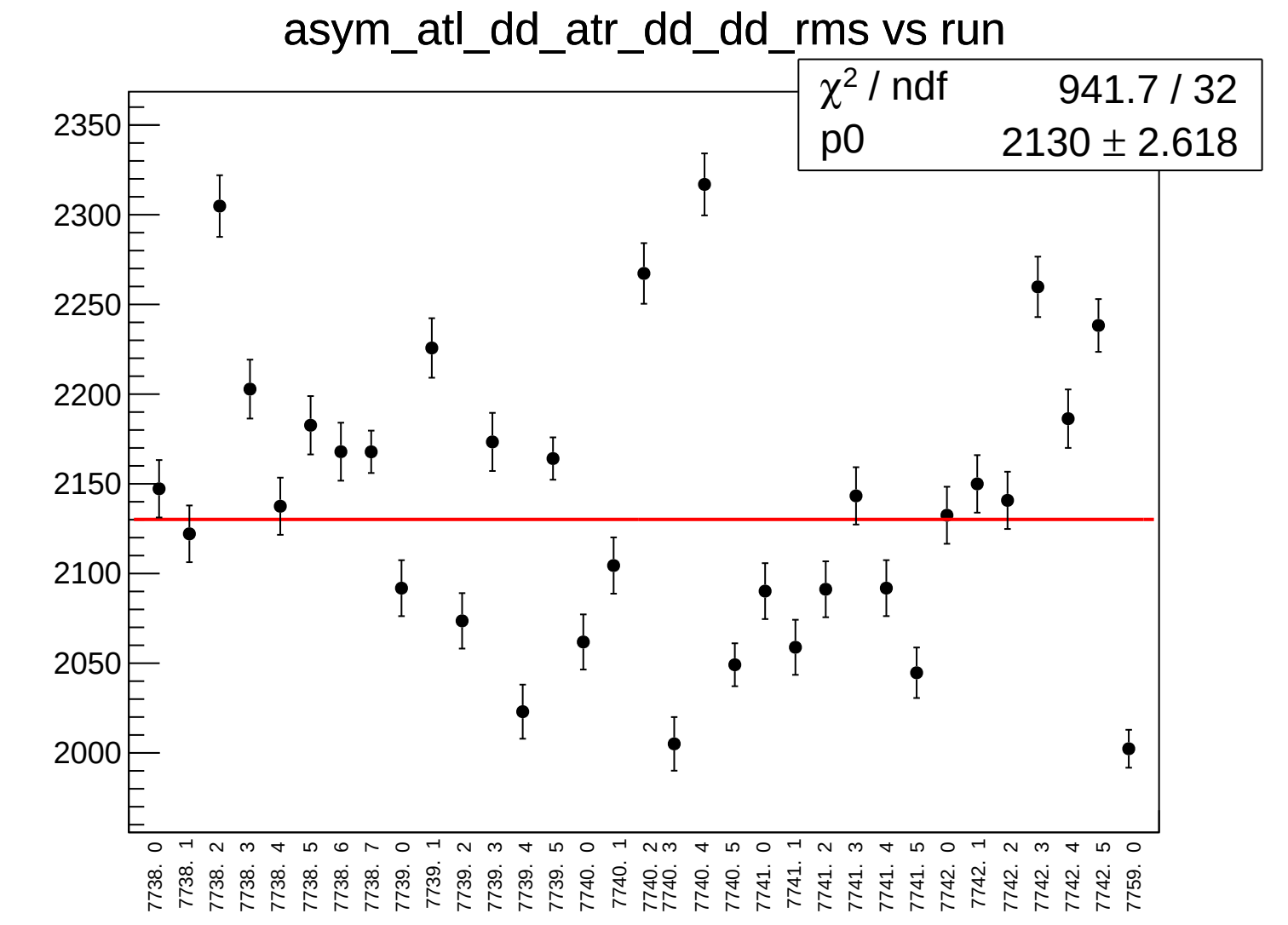


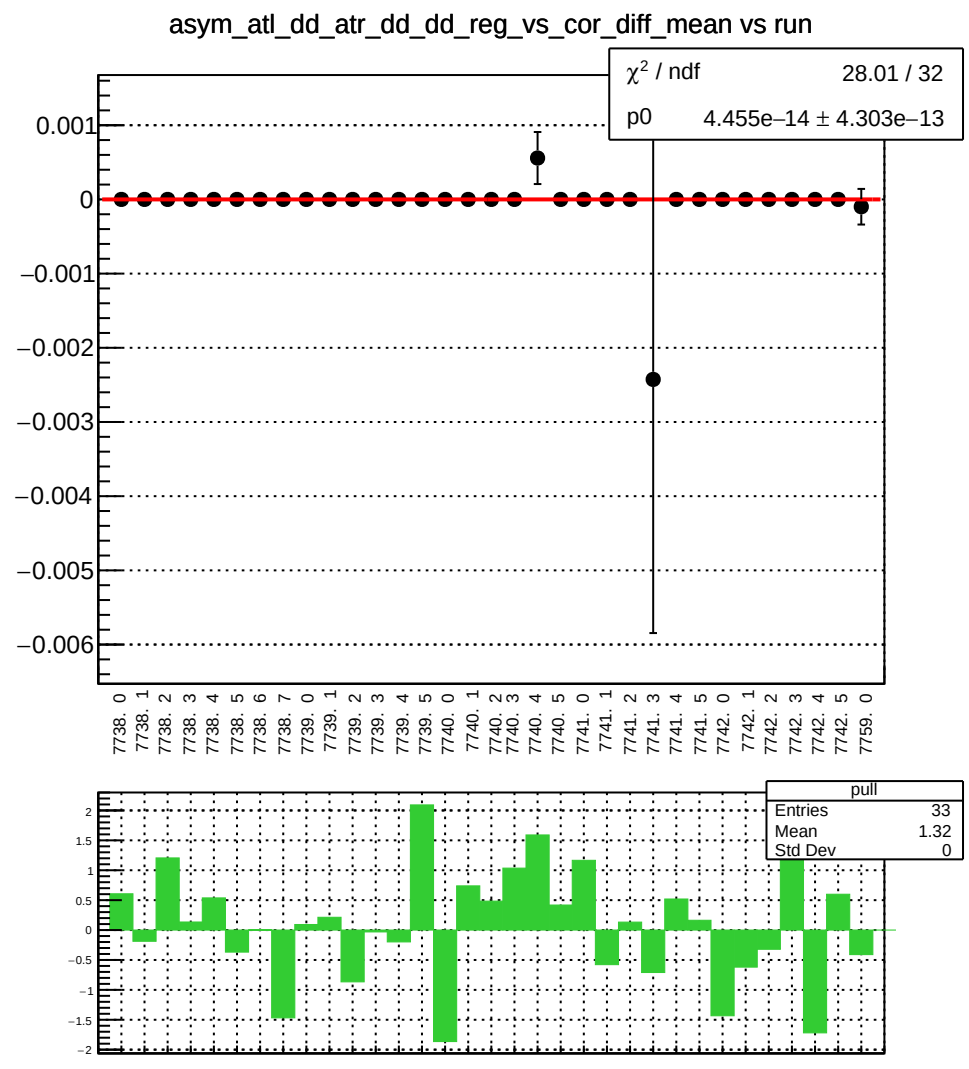


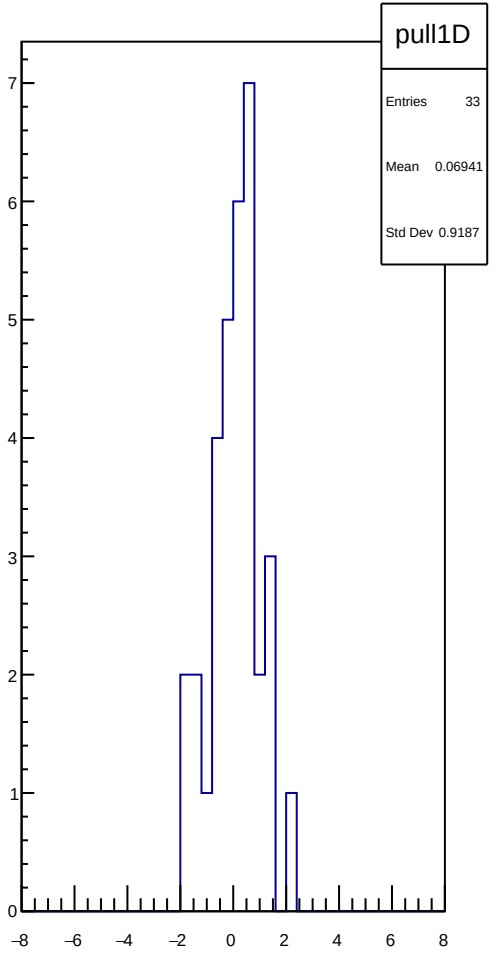

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3354 / 32
p0 1770 ± 2.179
2100
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

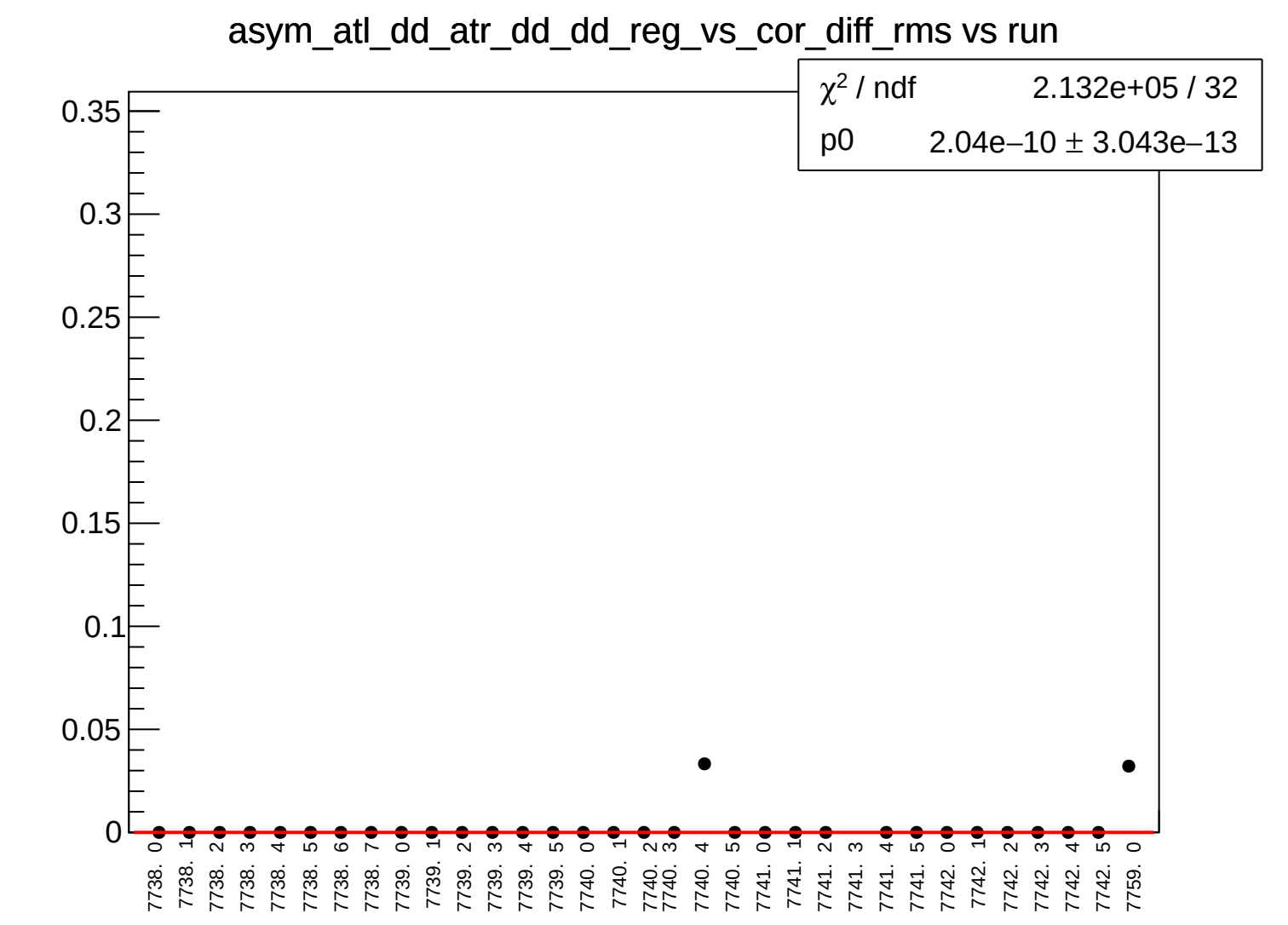

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 33.44 / 32
p0 −1165 ± 3703
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

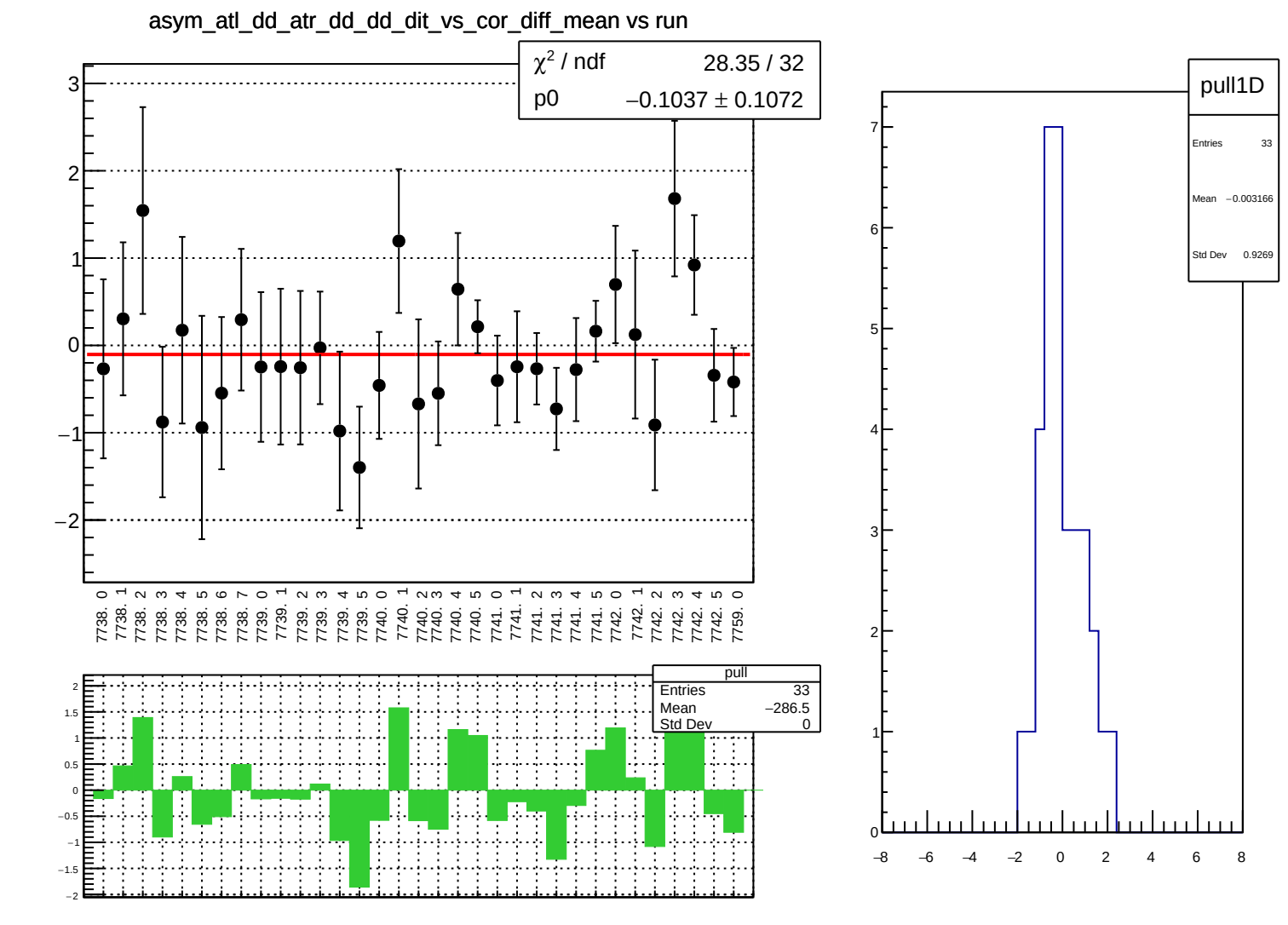

pull1D
Entries 33
Mean 0.02383
Std Dev 1.006
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

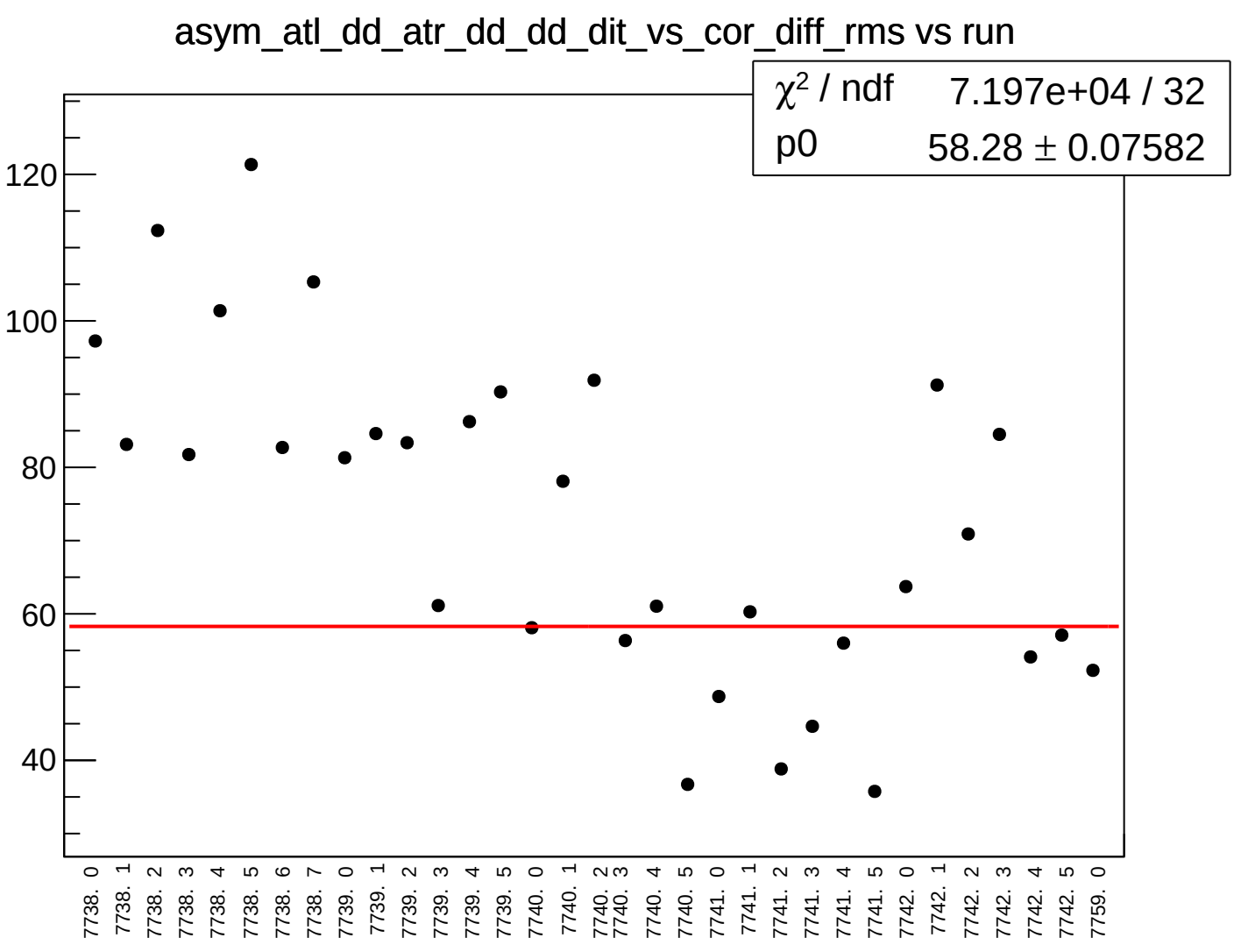

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 941.7 / 32
p0 2130 ± 2.618
2350
2300
2250
2200
2150
2100
2050
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

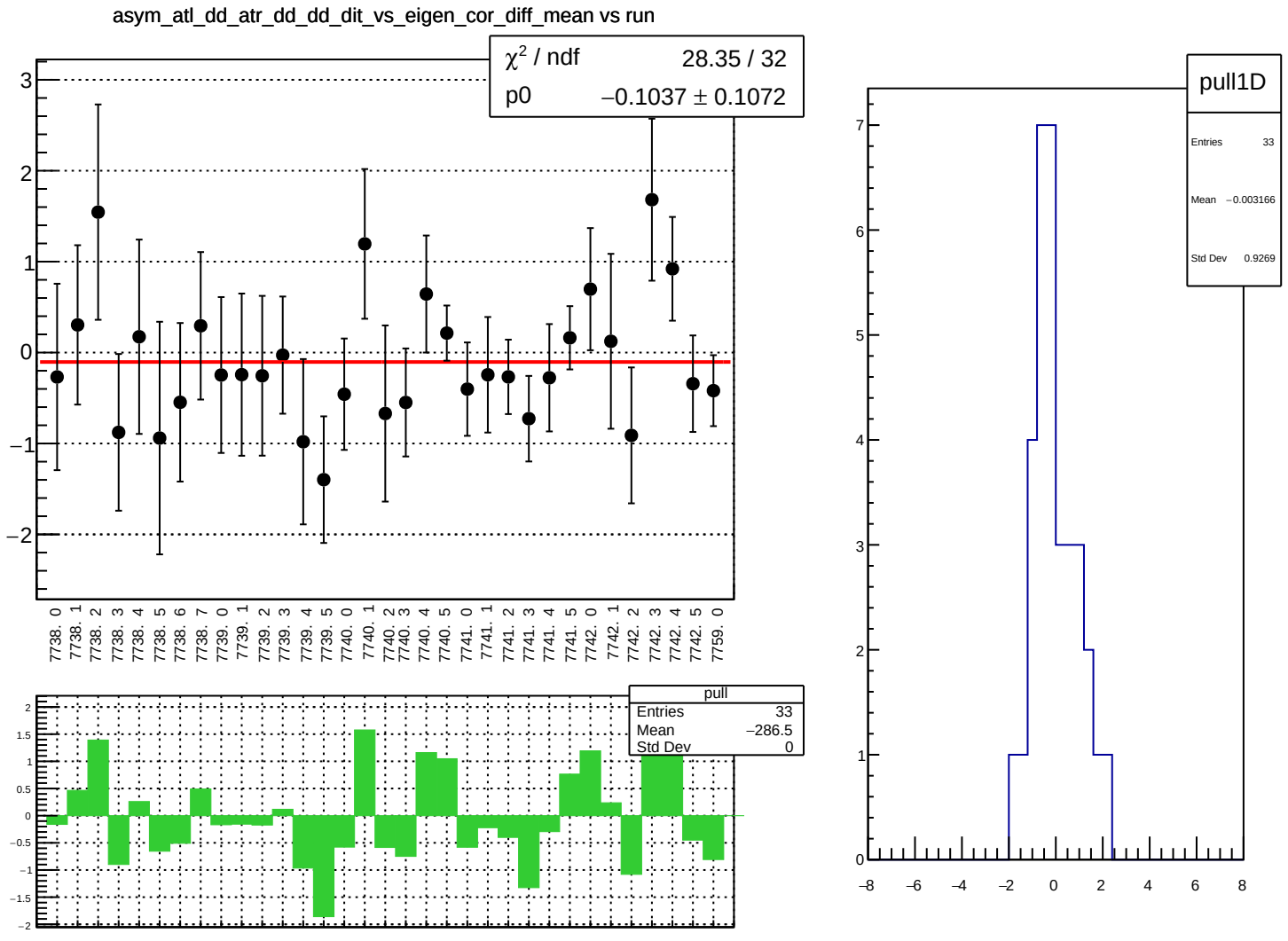

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 28.01 / 32
p0 4.455e−14 ± 4.303e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
−0.005
−0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

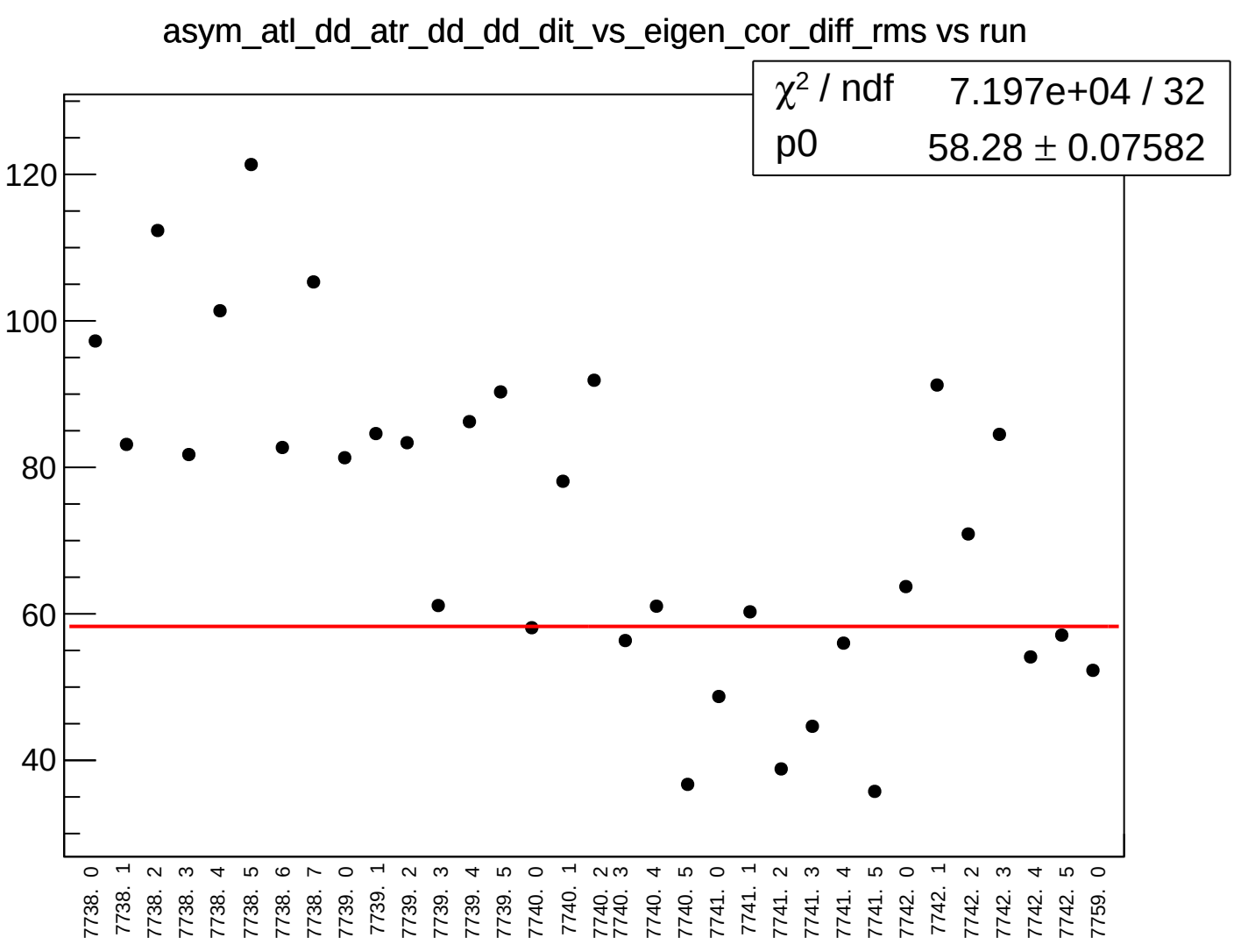

pull1D
Entries 33
Mean 0.06941
Std Dev 0.9187
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

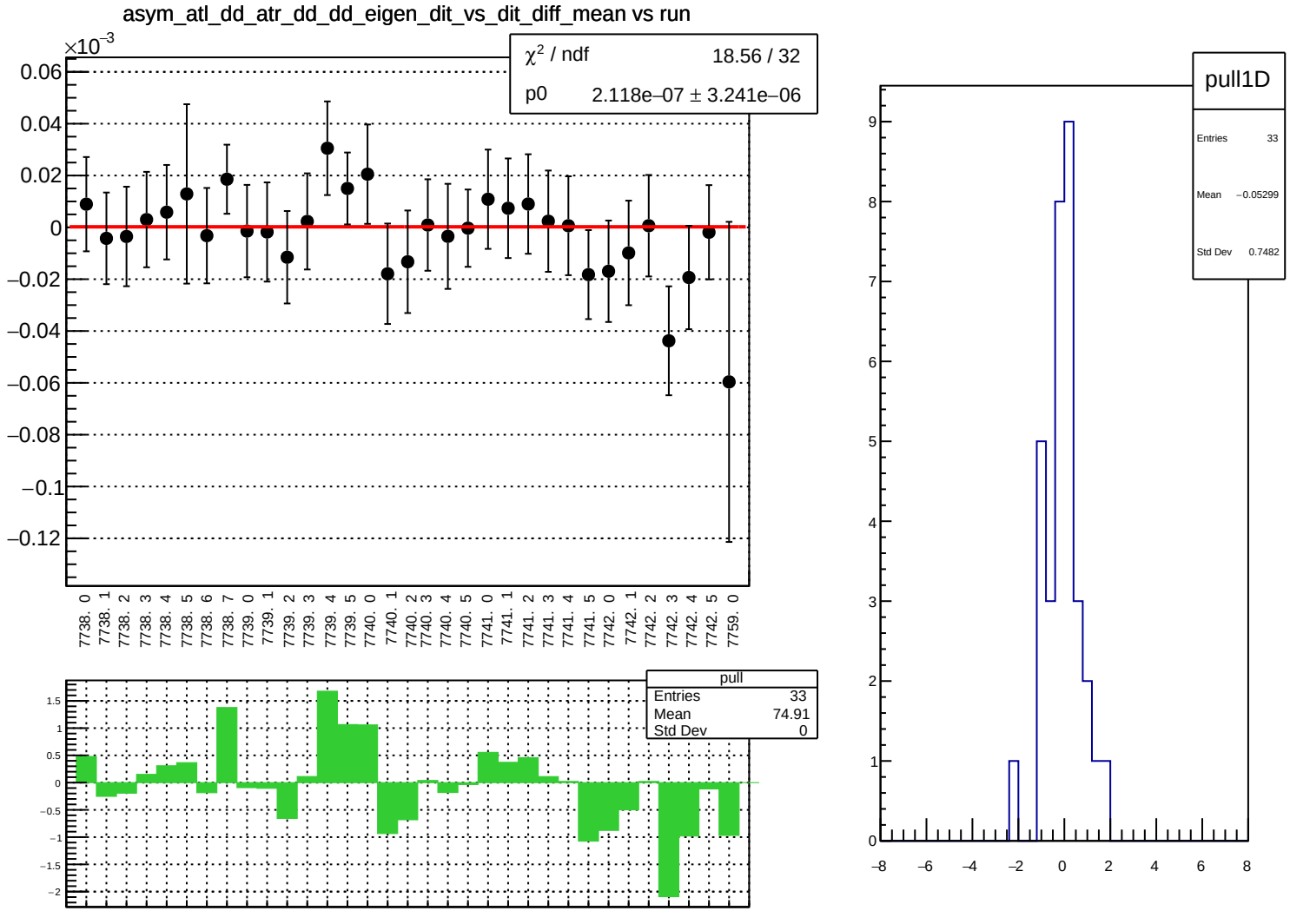

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.132e+05 / 32
p0 2.04e−10 ± 3.043e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

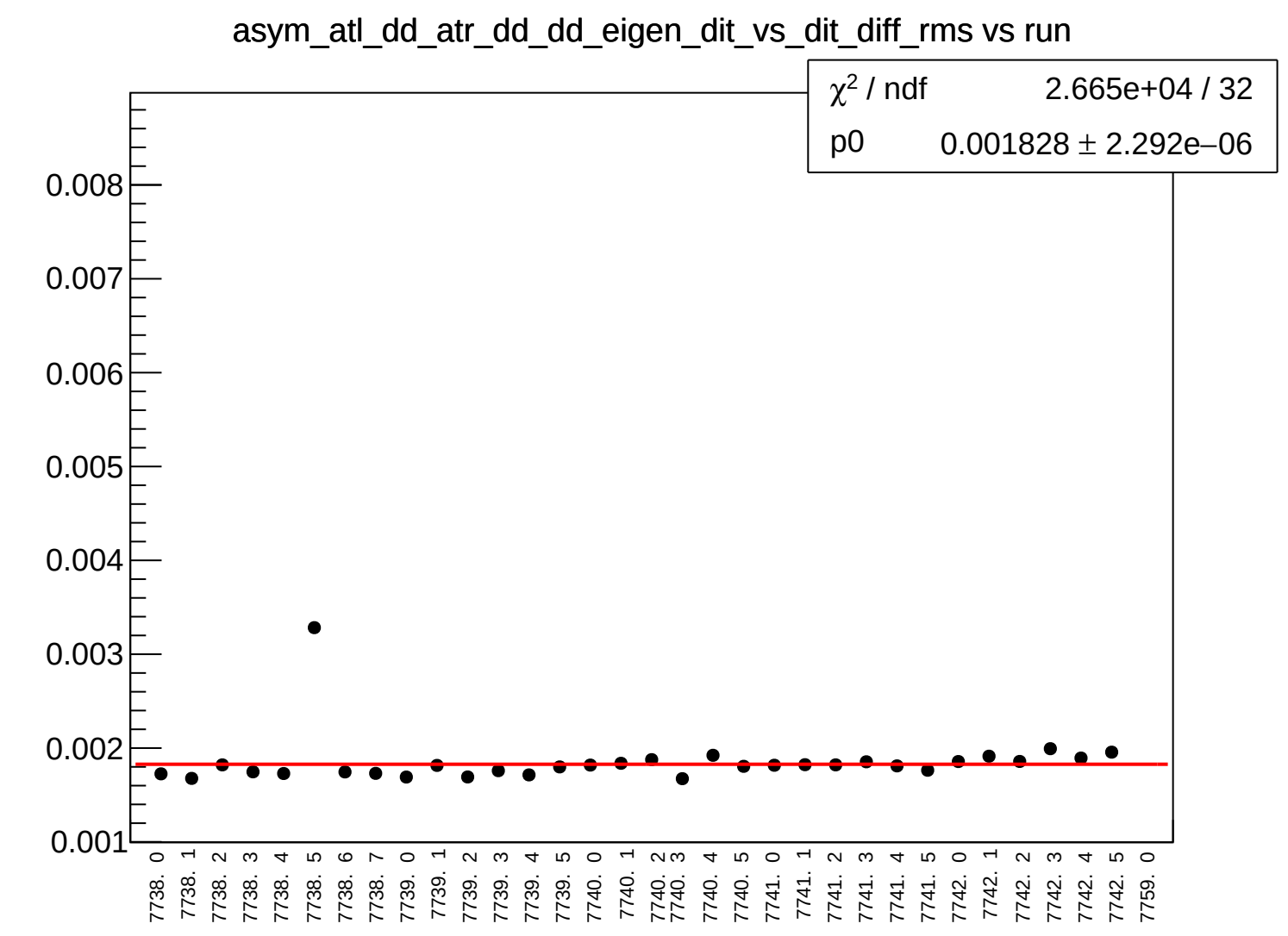

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 28.35 / 32
p0 −0.1037 ± 0.1072
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −286.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.003166
Std Dev 0.9269
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

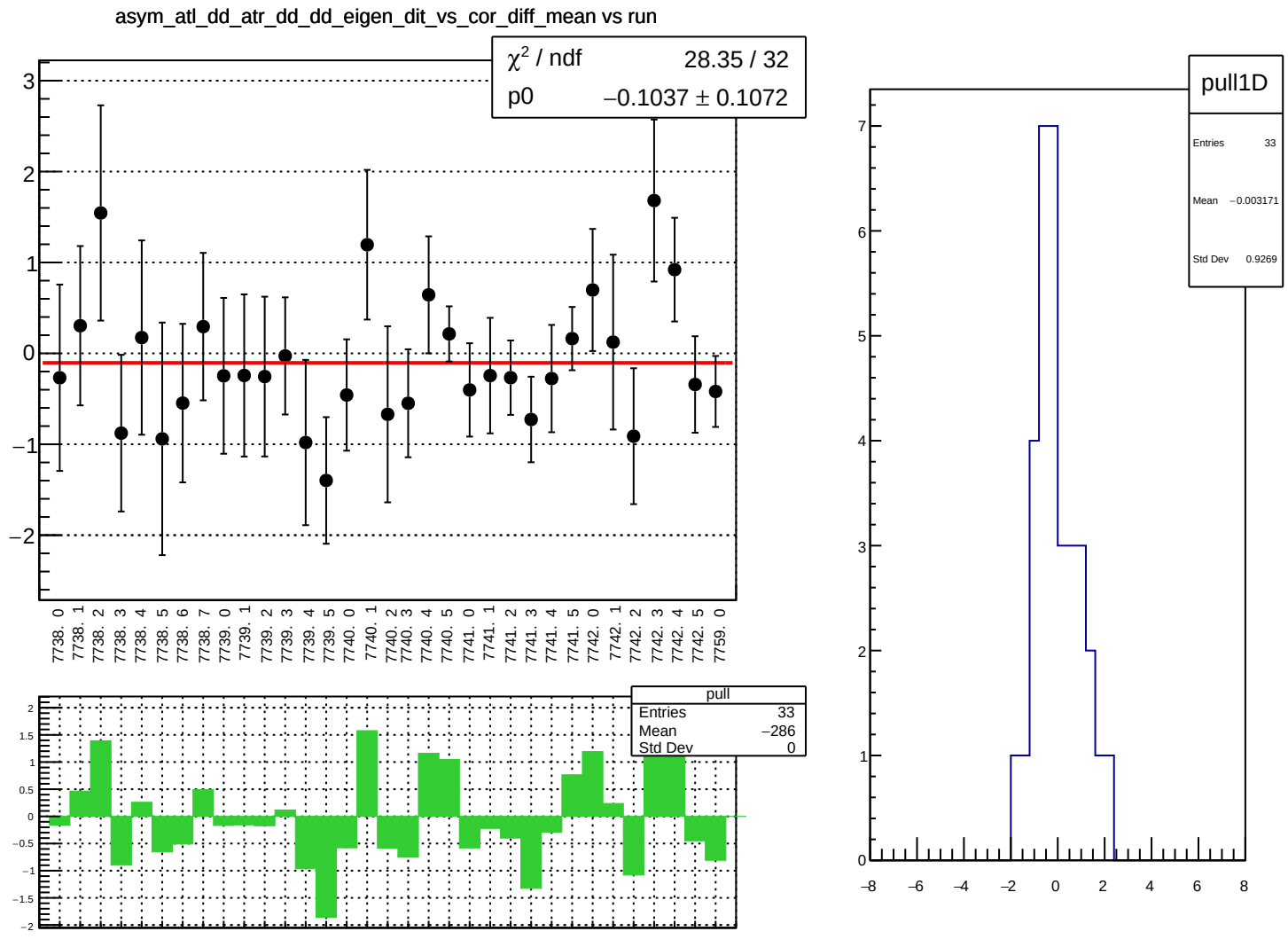

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.197e+04 / 32
p0 58.28 ± 0.07582
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

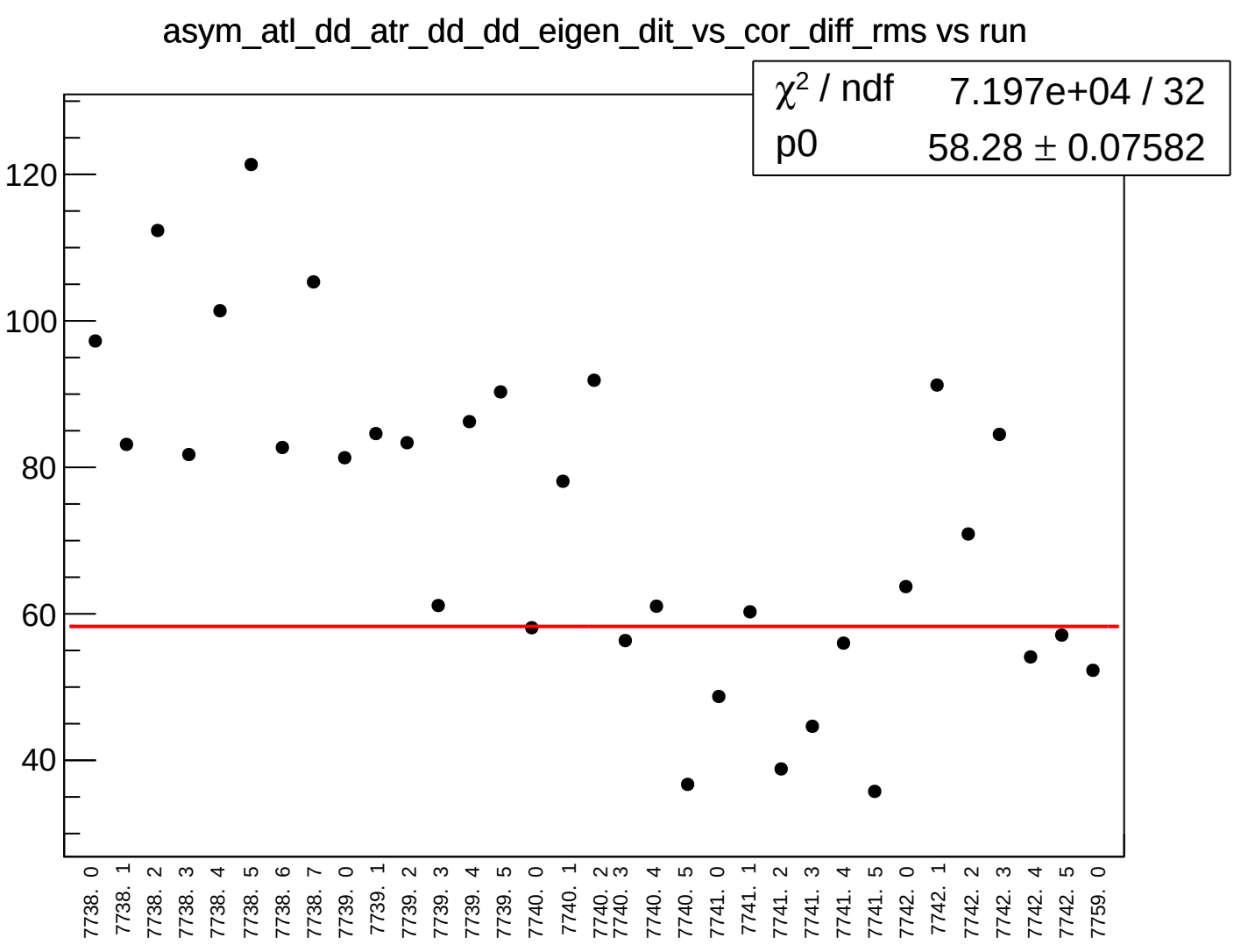

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.35 / 32
p0 −0.1037 ± 0.1072
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −286.5
Std Dev 0
pull1D
Entries 33
Mean −0.003166
Std Dev 0.9269

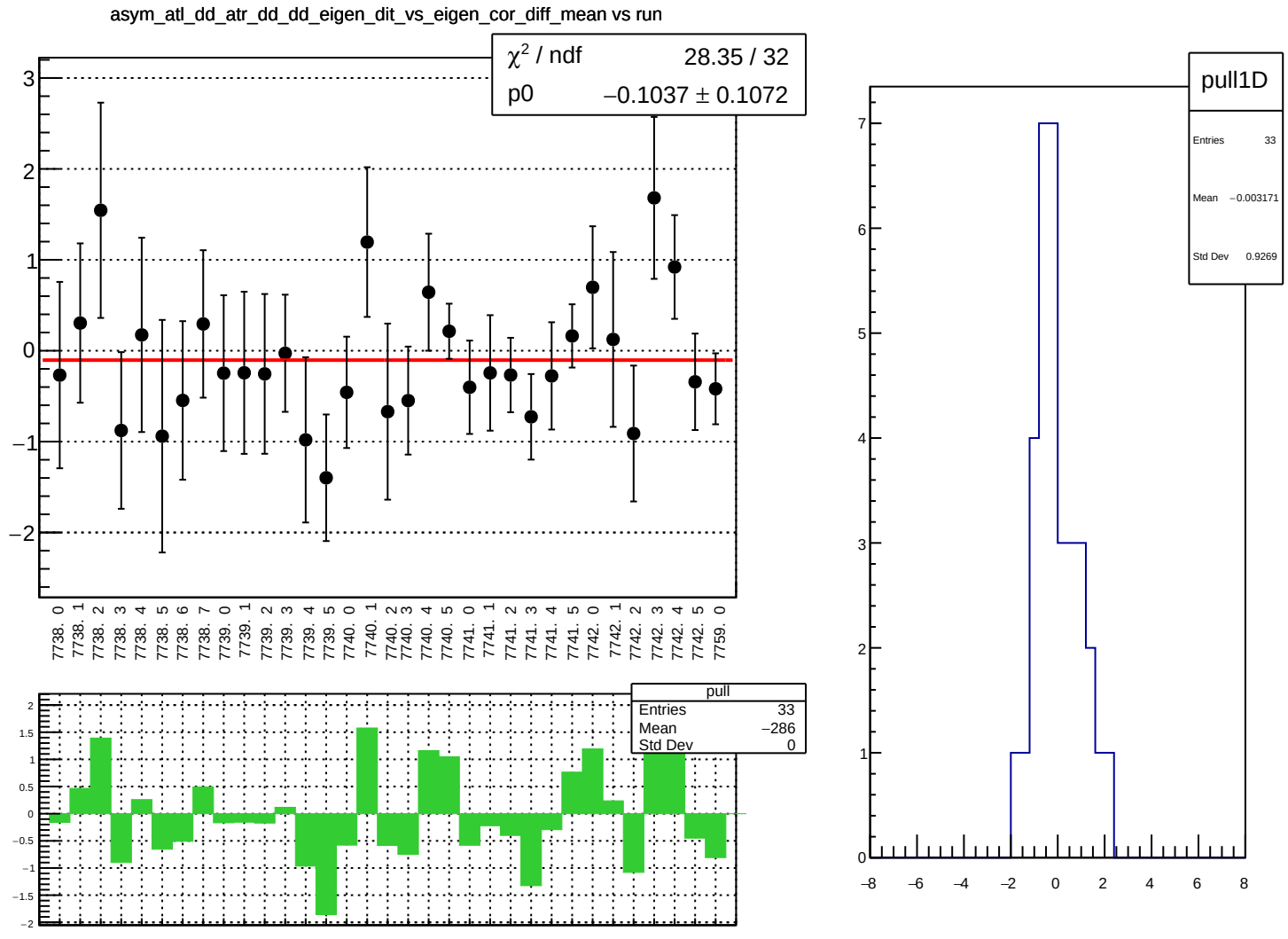

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.197e+04 / 32
p0 58.28 ± 0.07582
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

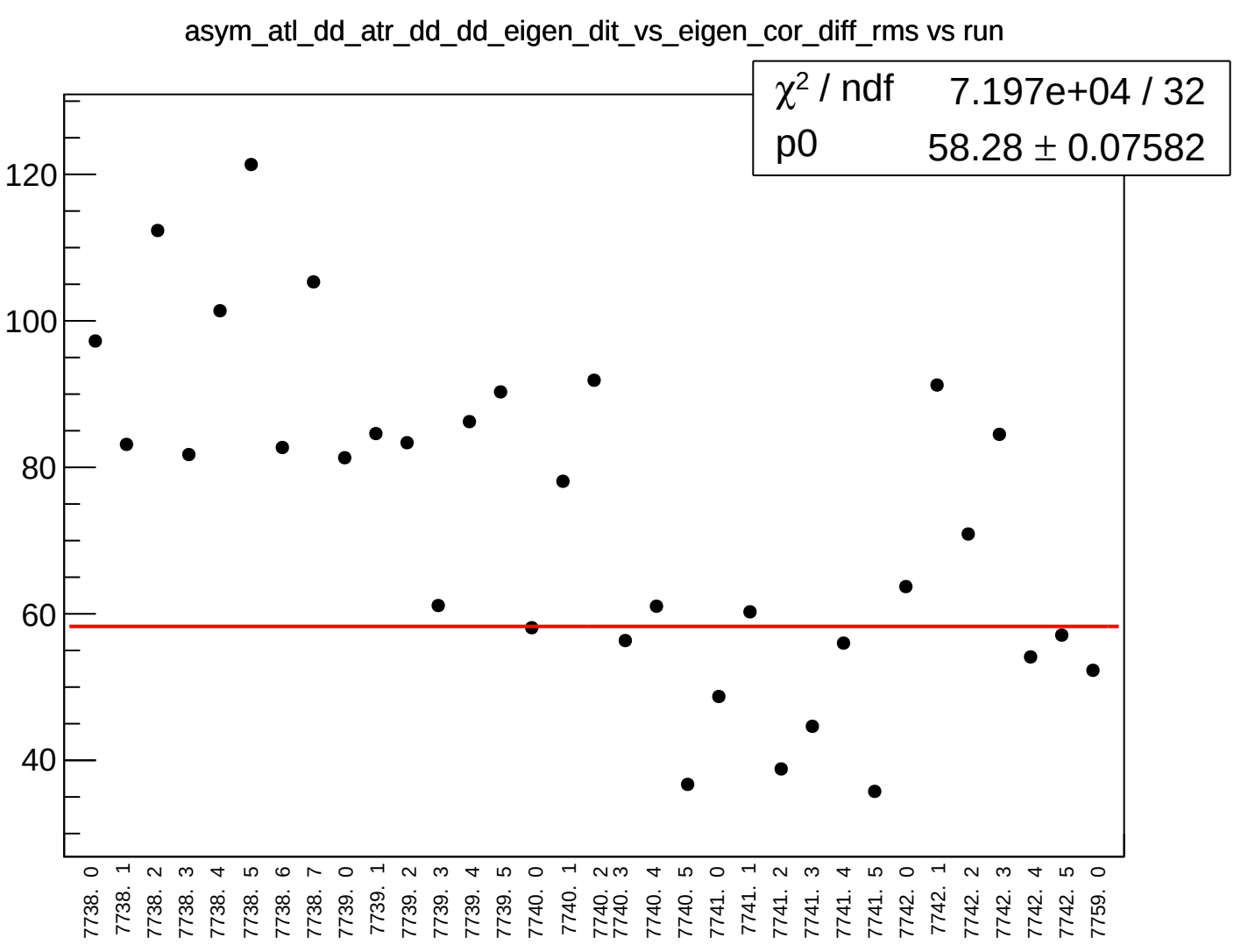

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 18.56 / 32
p0 2.118e−07 ± 3.241e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 74.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.05299
Std Dev 0.7482
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

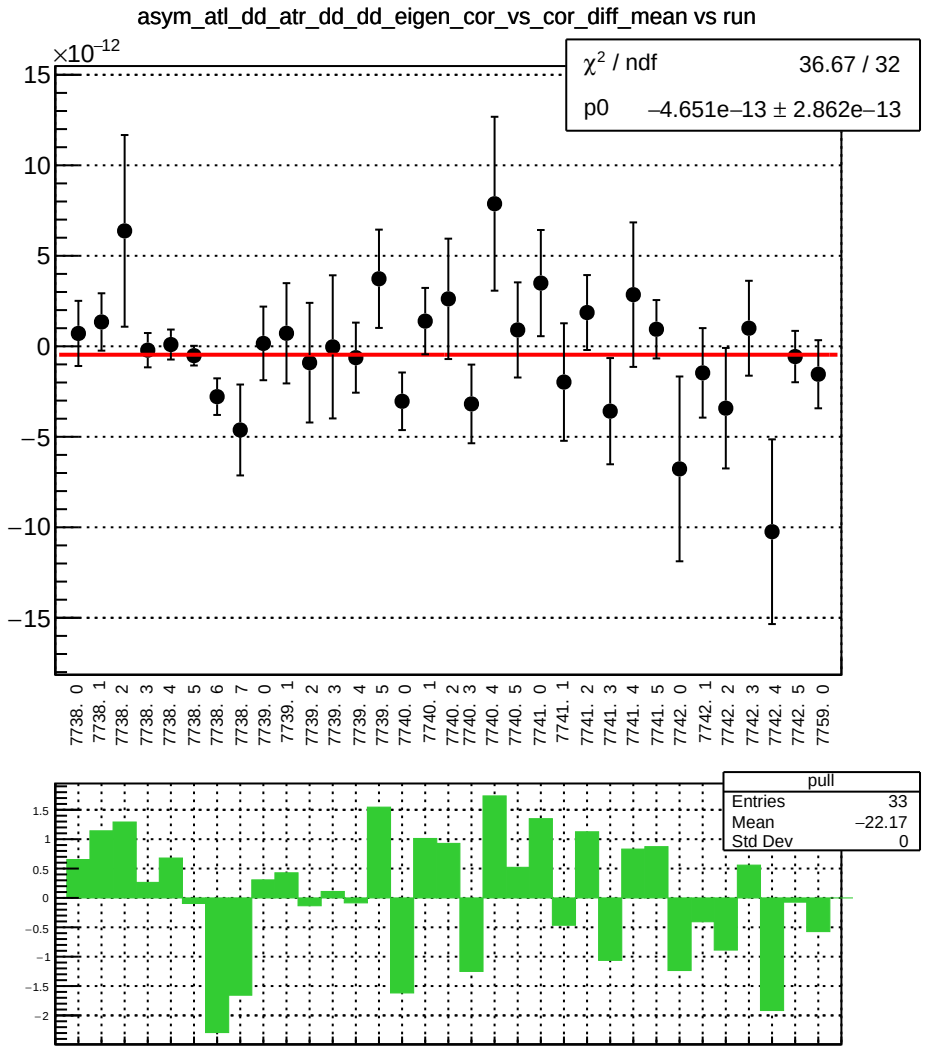

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.665e+04 / 32
p0 0.001828 ± 2.292e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

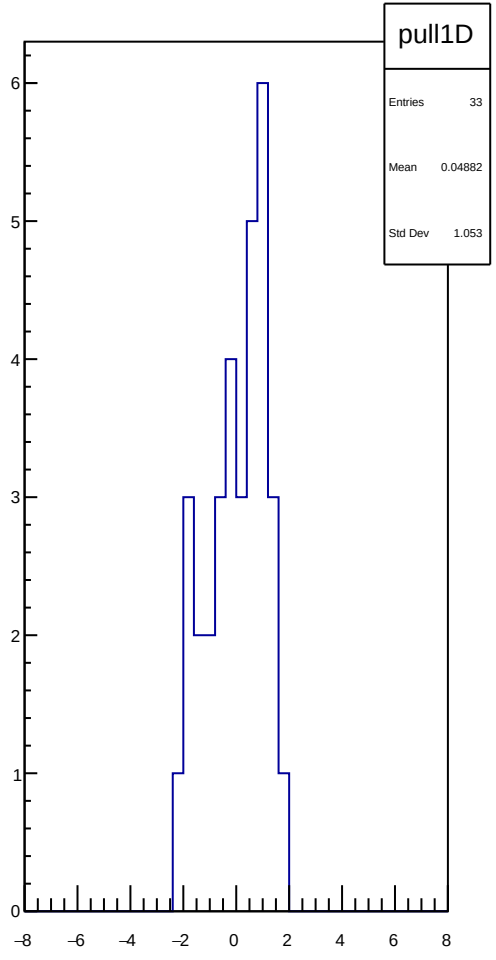

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.35 / 32
p0 −0.1037 ± 0.1072
pull
Entries 33
Mean −286
Std Dev 0
pull1D
Entries 33
Mean −0.003171
Std Dev 0.9269

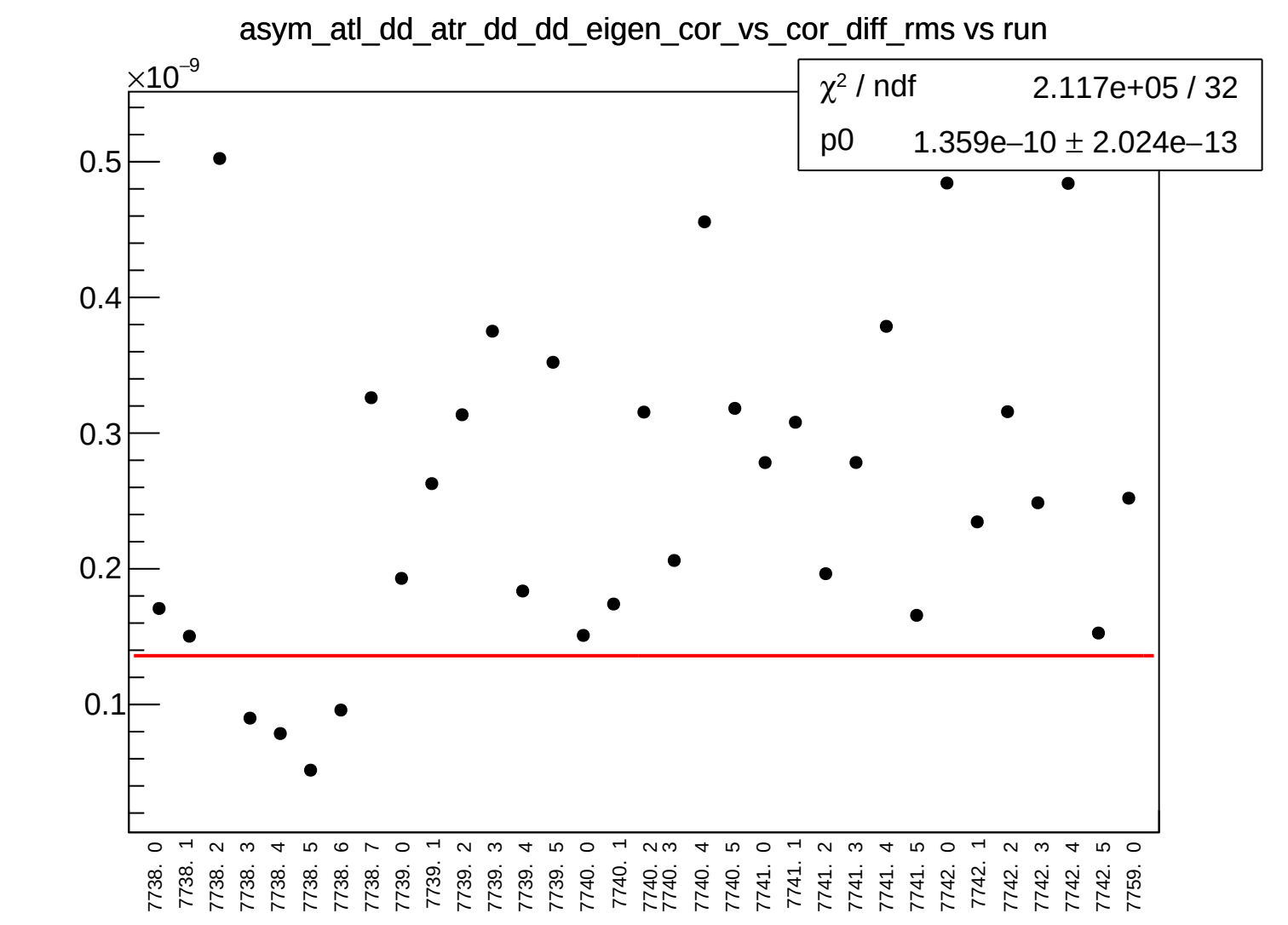

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.197e+04 / 32
p0 58.28 ± 0.07582
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

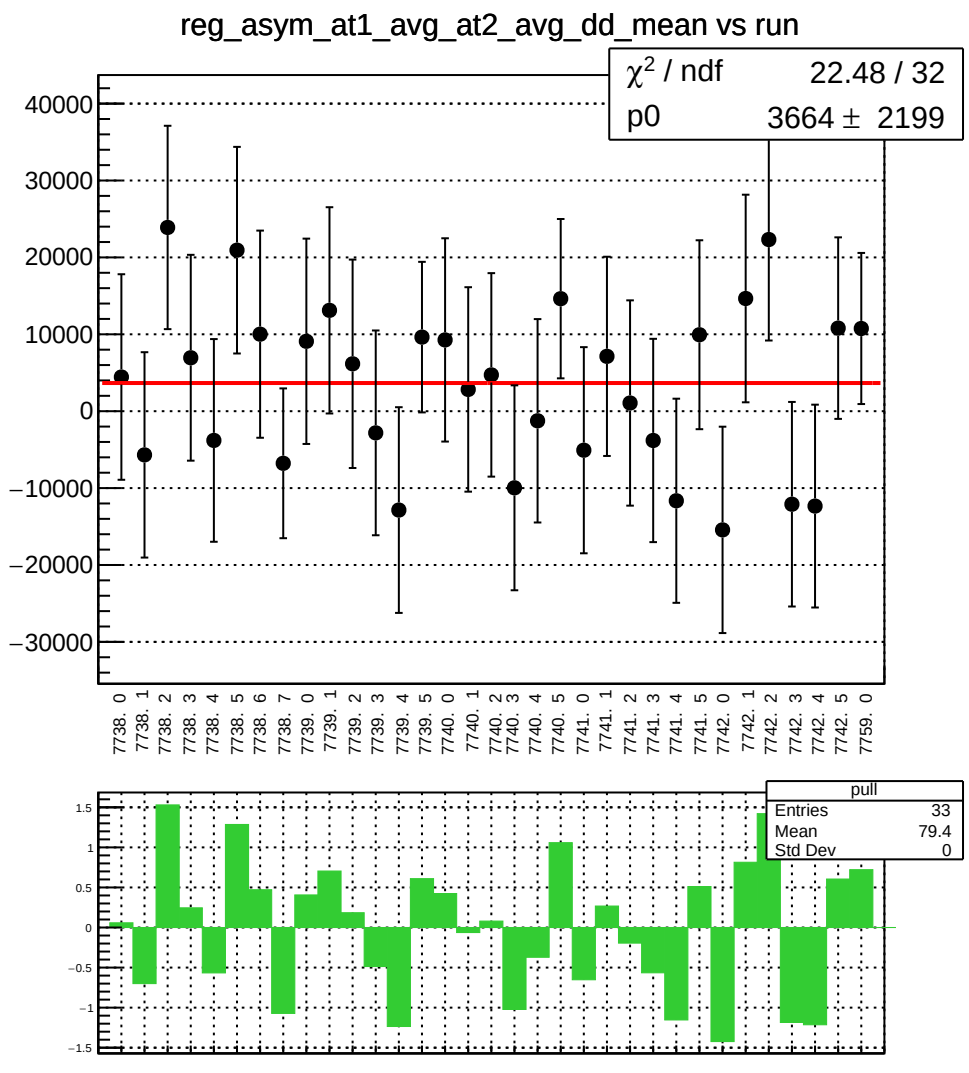

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.35 / 32
p0 −0.1037 ± 0.1072
pull
Entries 33
Mean −286
Std Dev 0
pull1D
Entries 33
Mean −0.003171
Std Dev 0.9269

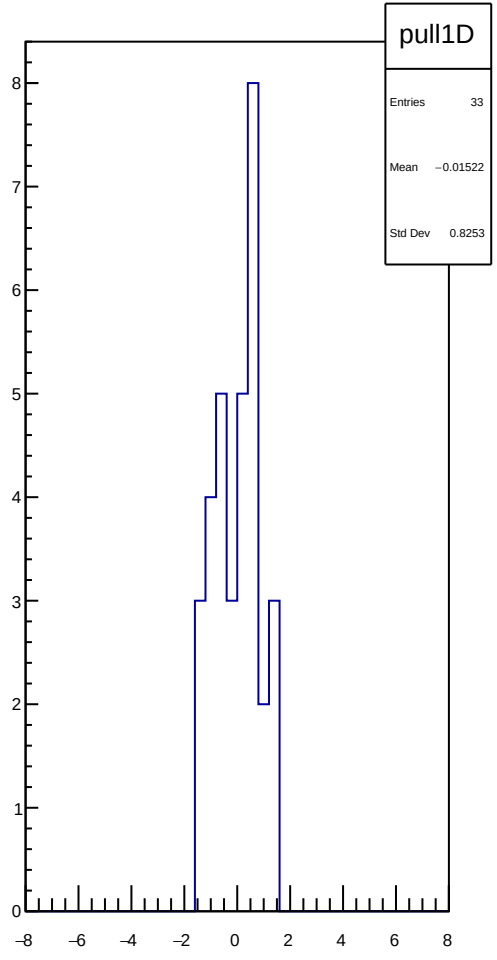

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.197e+04 / 32
p0 58.28 ± 0.07582
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

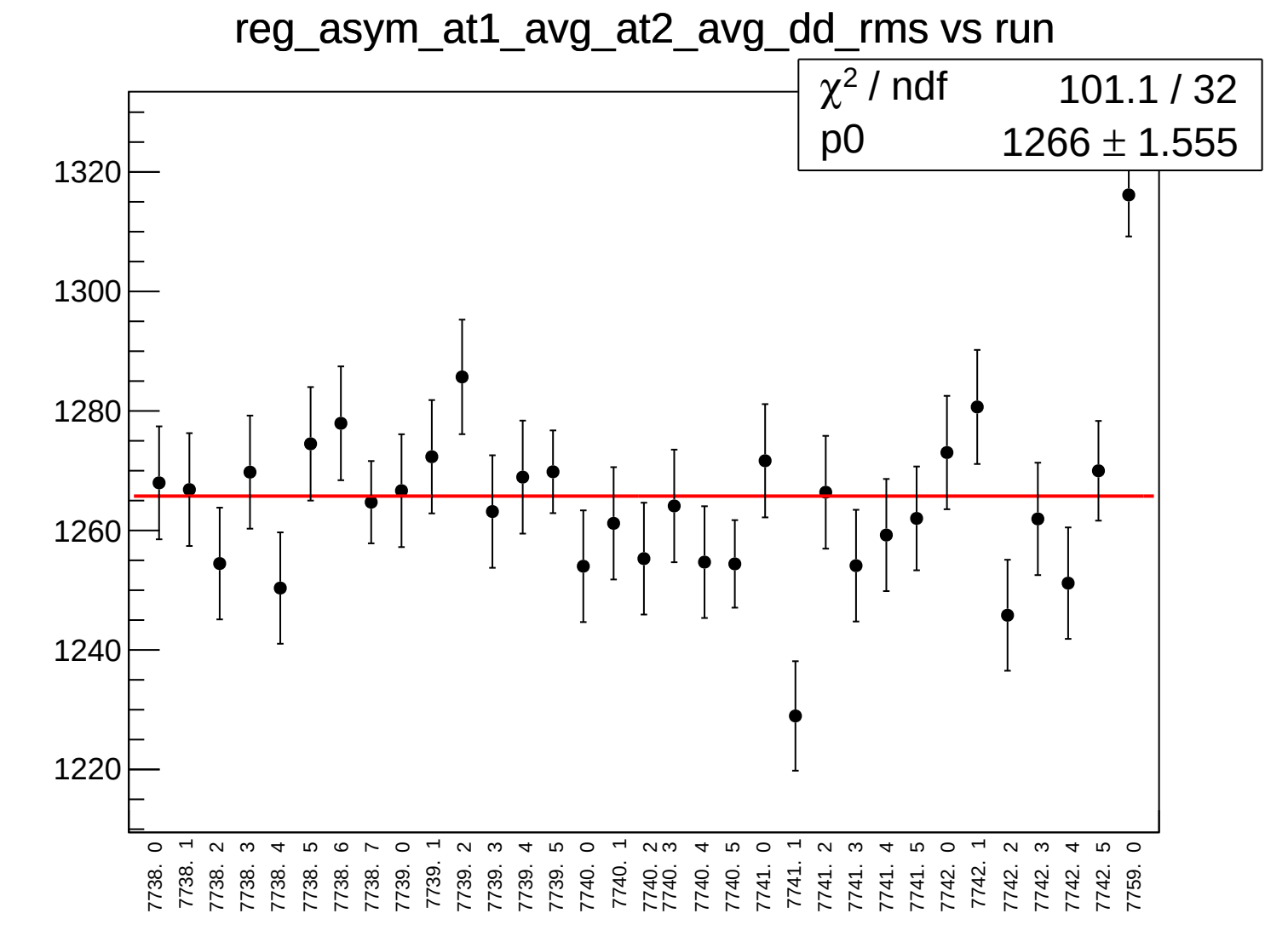

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 36.67 / 32
p0 −4.651e−13 ± 2.862e−13
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −22.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

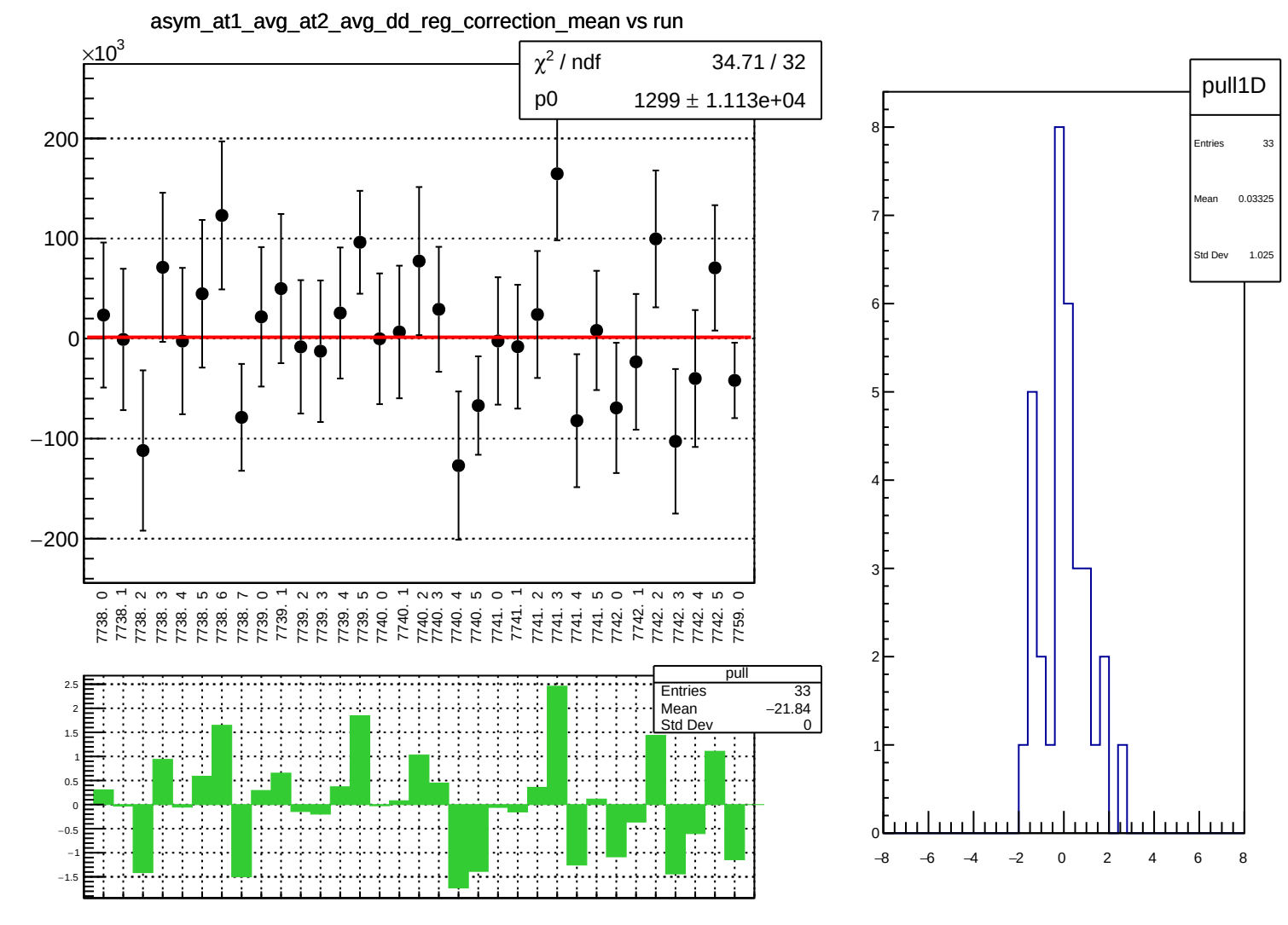

pull1D
Entries 33
Mean 0.04882
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

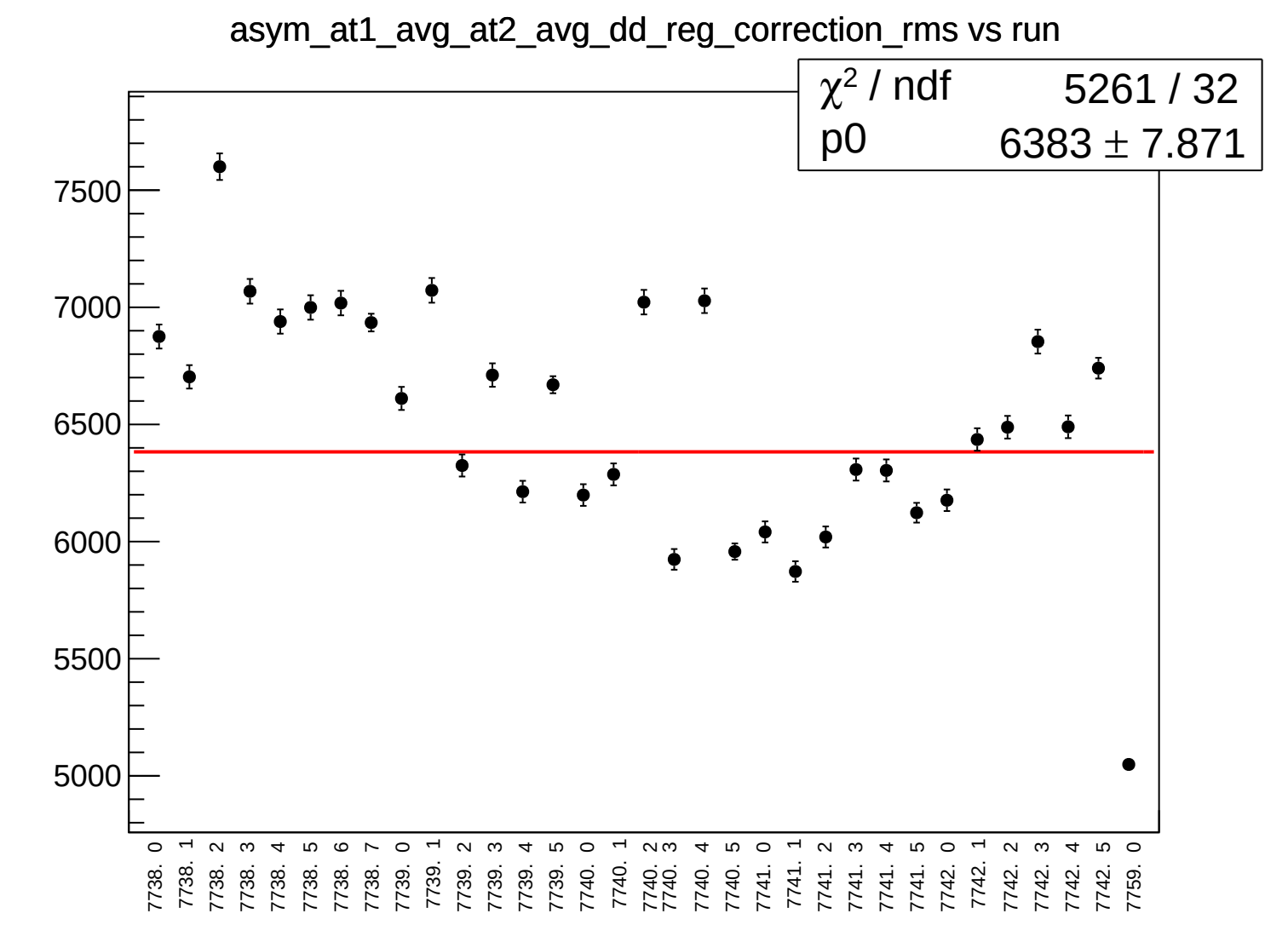

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.117e+05 / 32
p0 1.359e−10 ± 2.024e−13
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

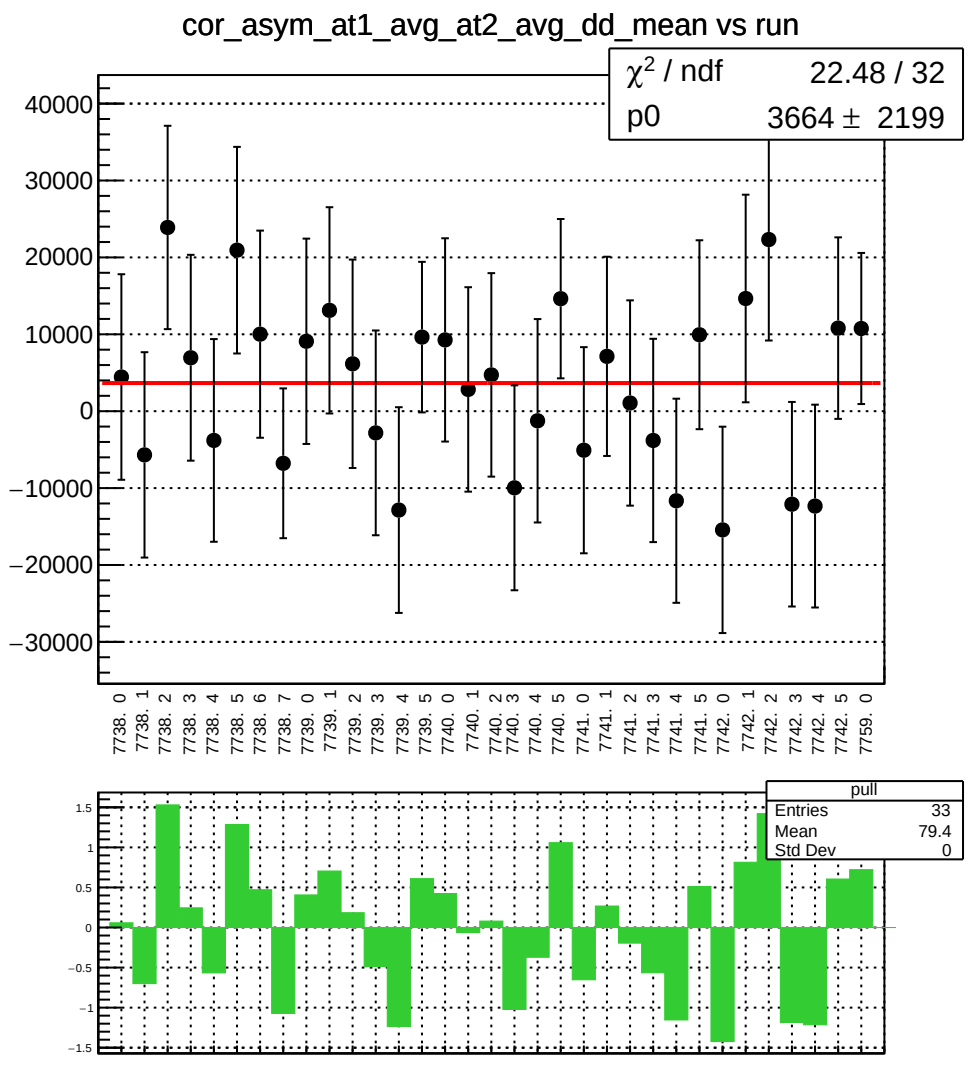

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

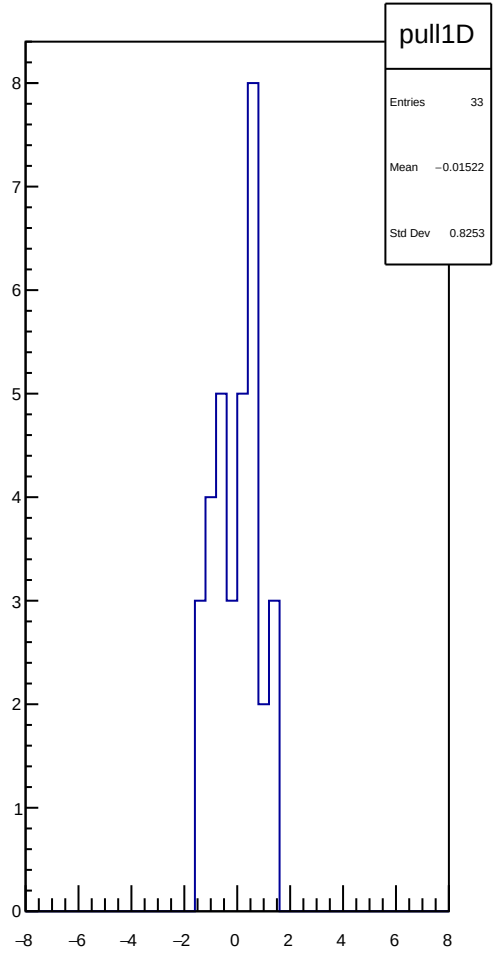

pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

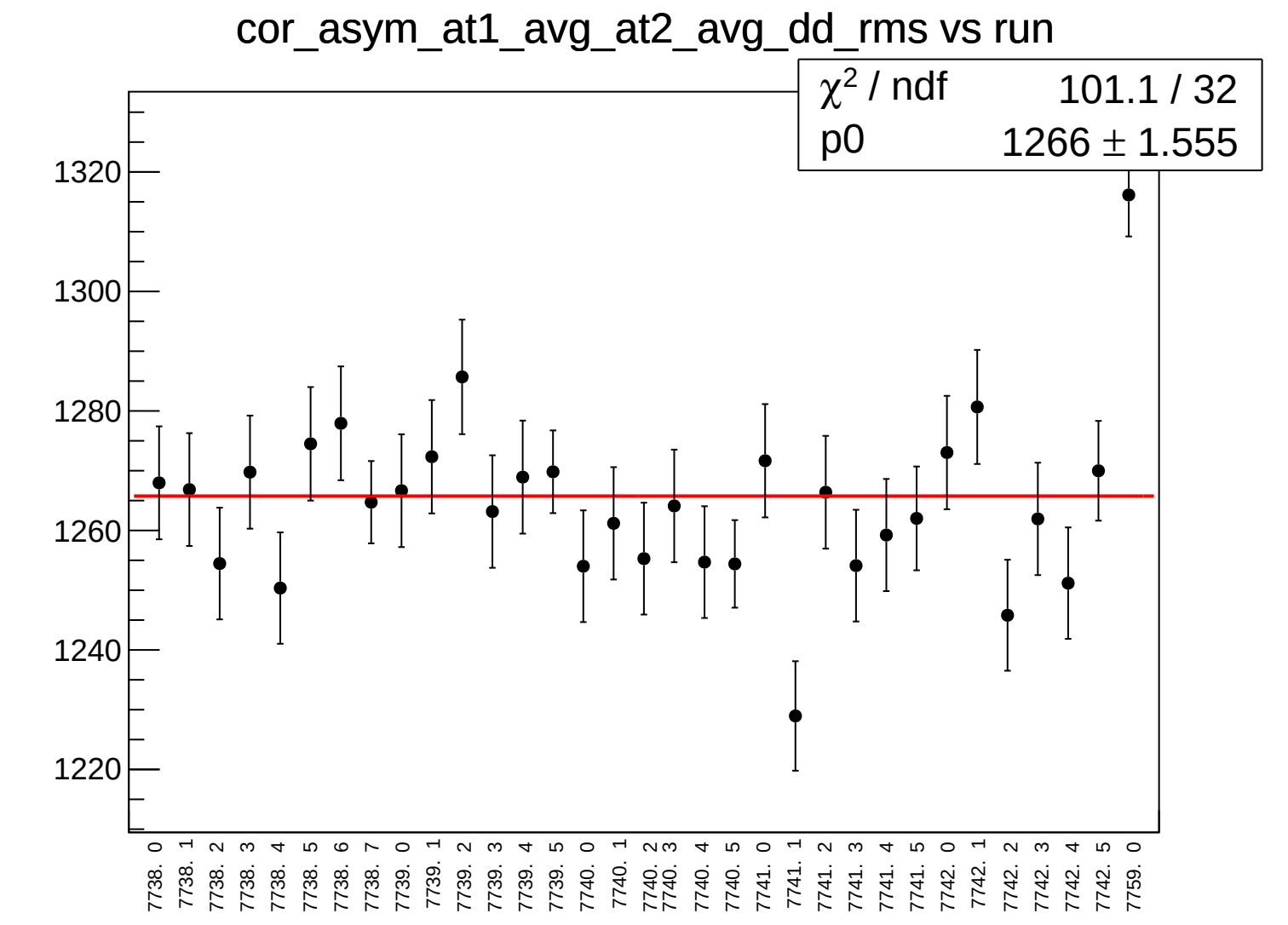

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

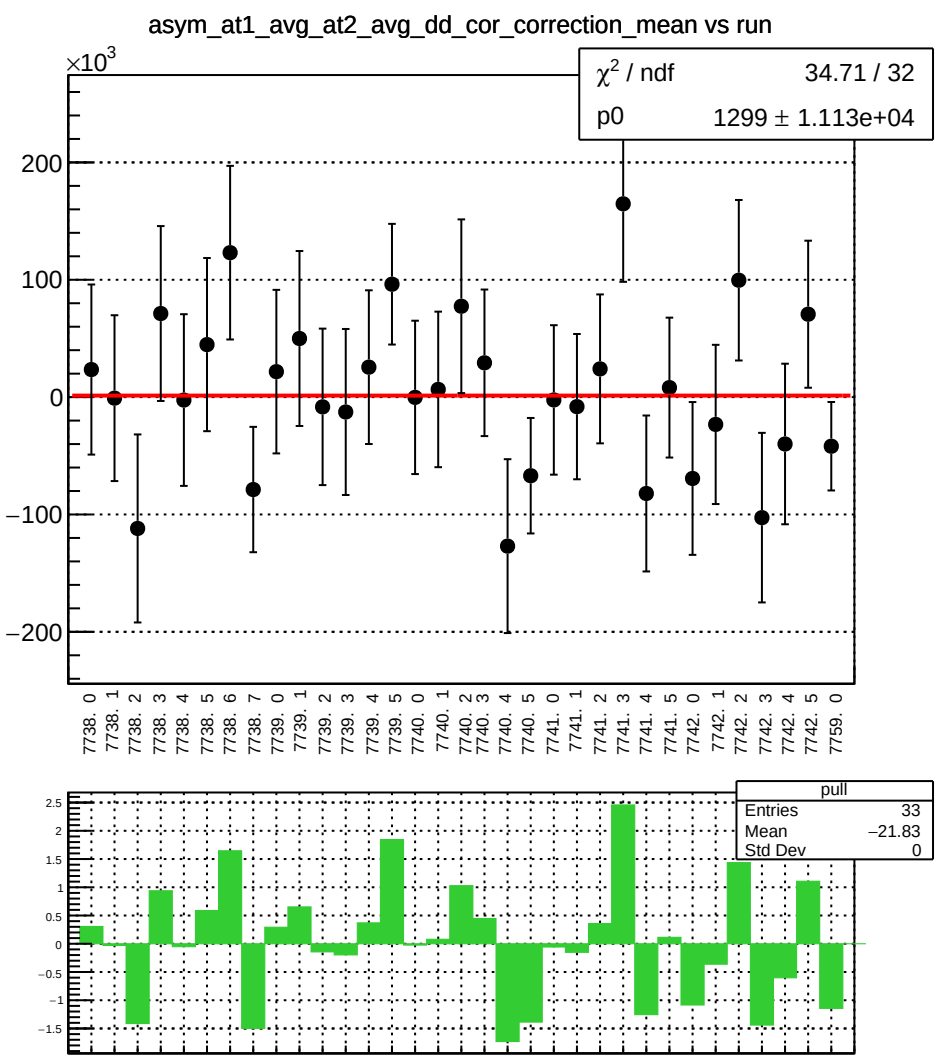

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.84
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

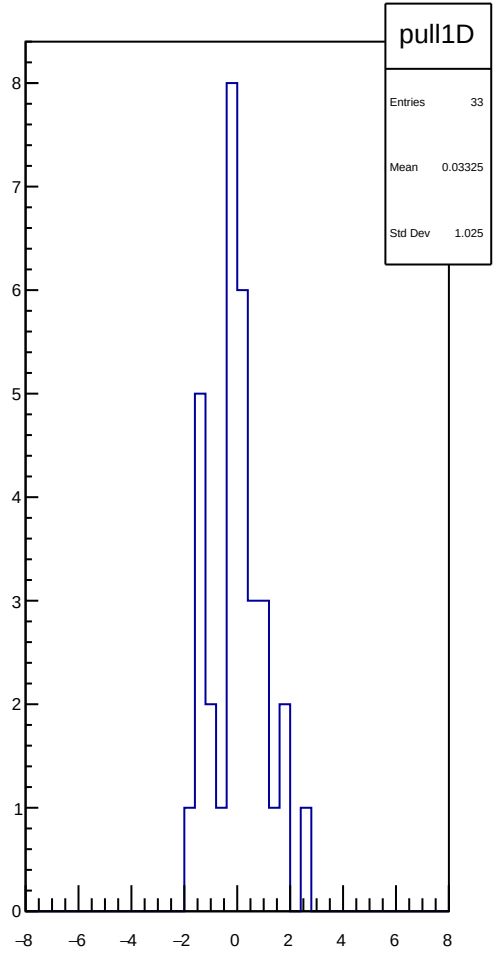

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

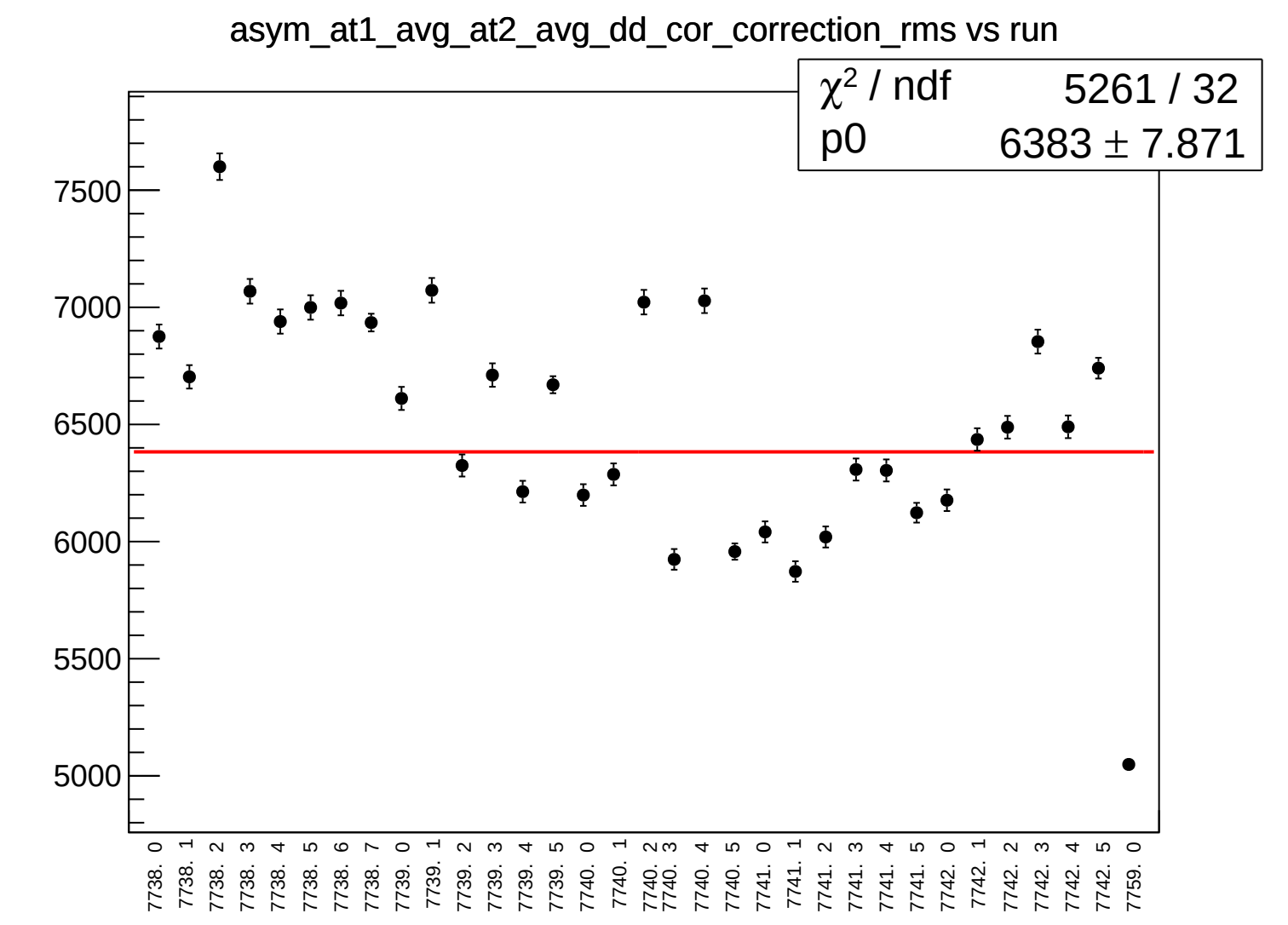

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

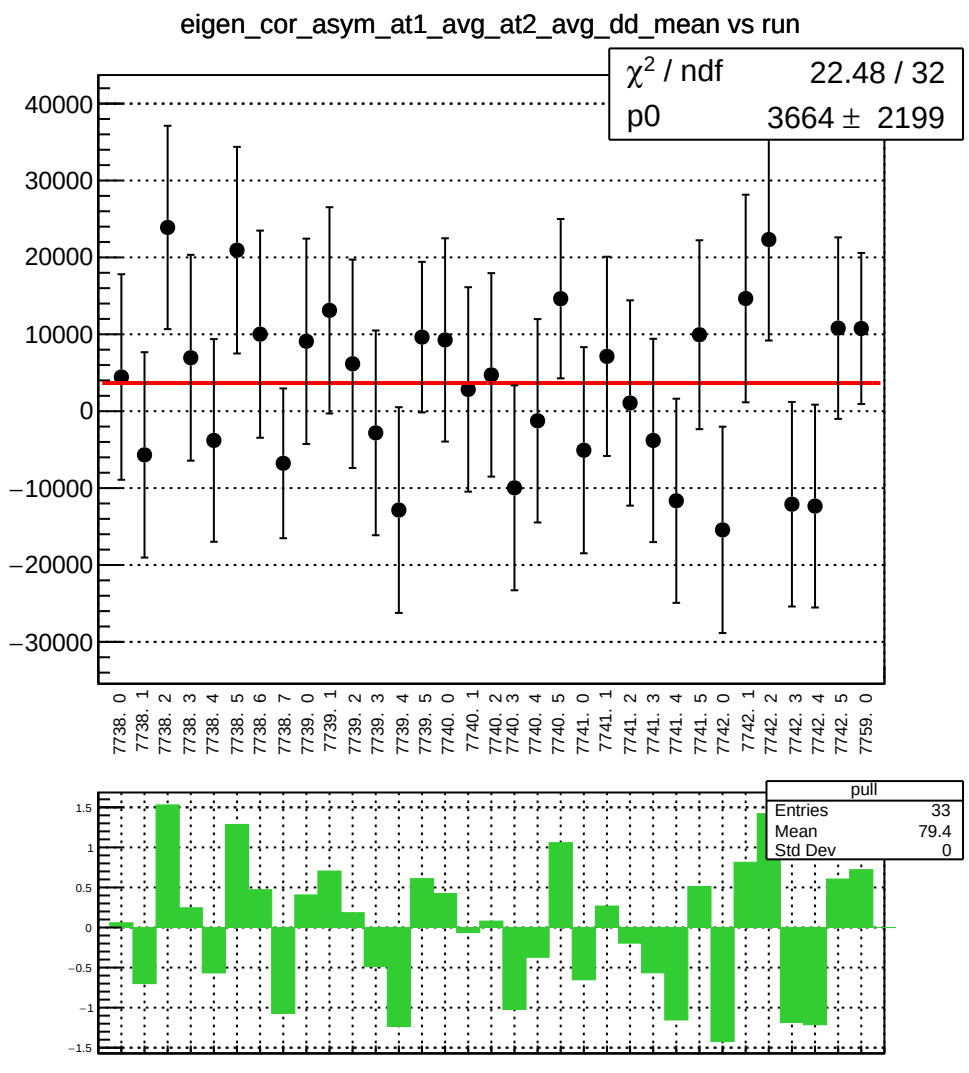

pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

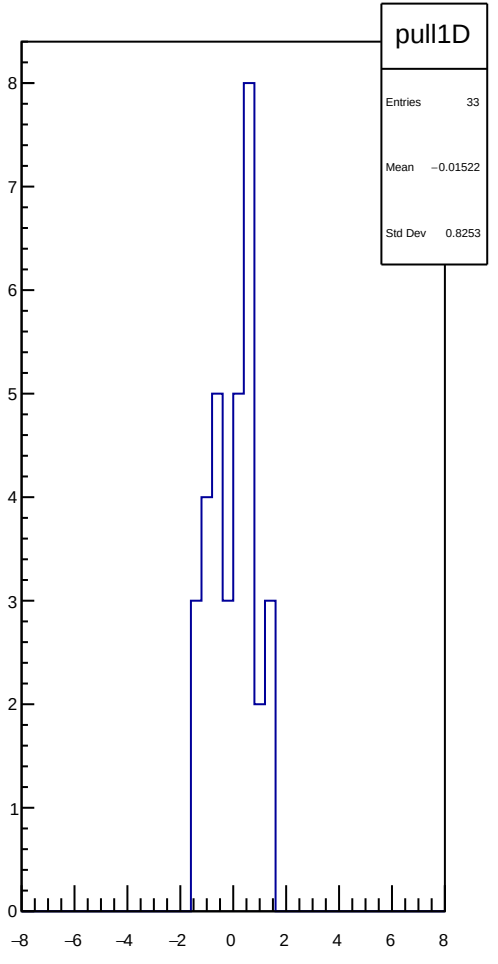

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

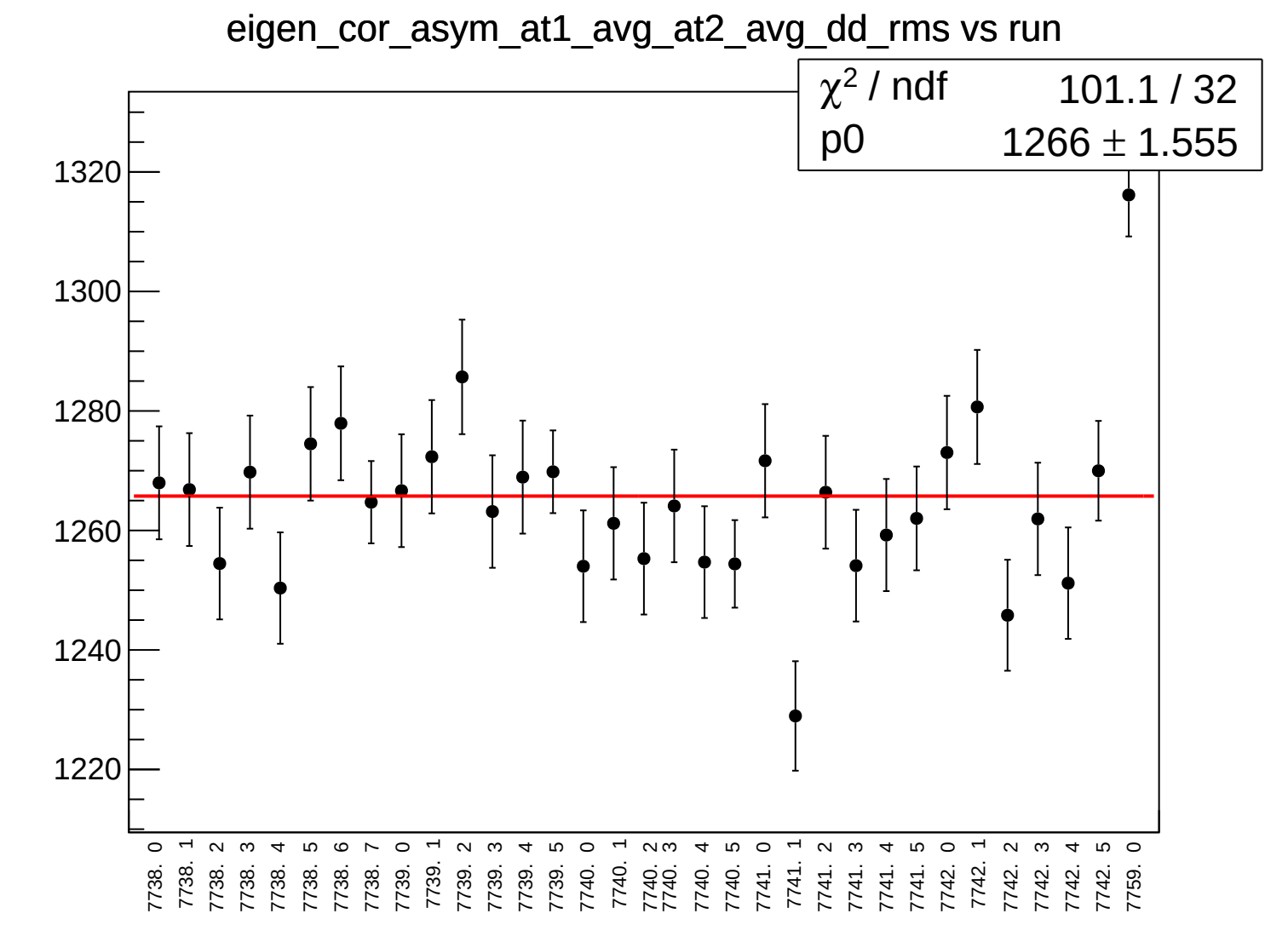

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

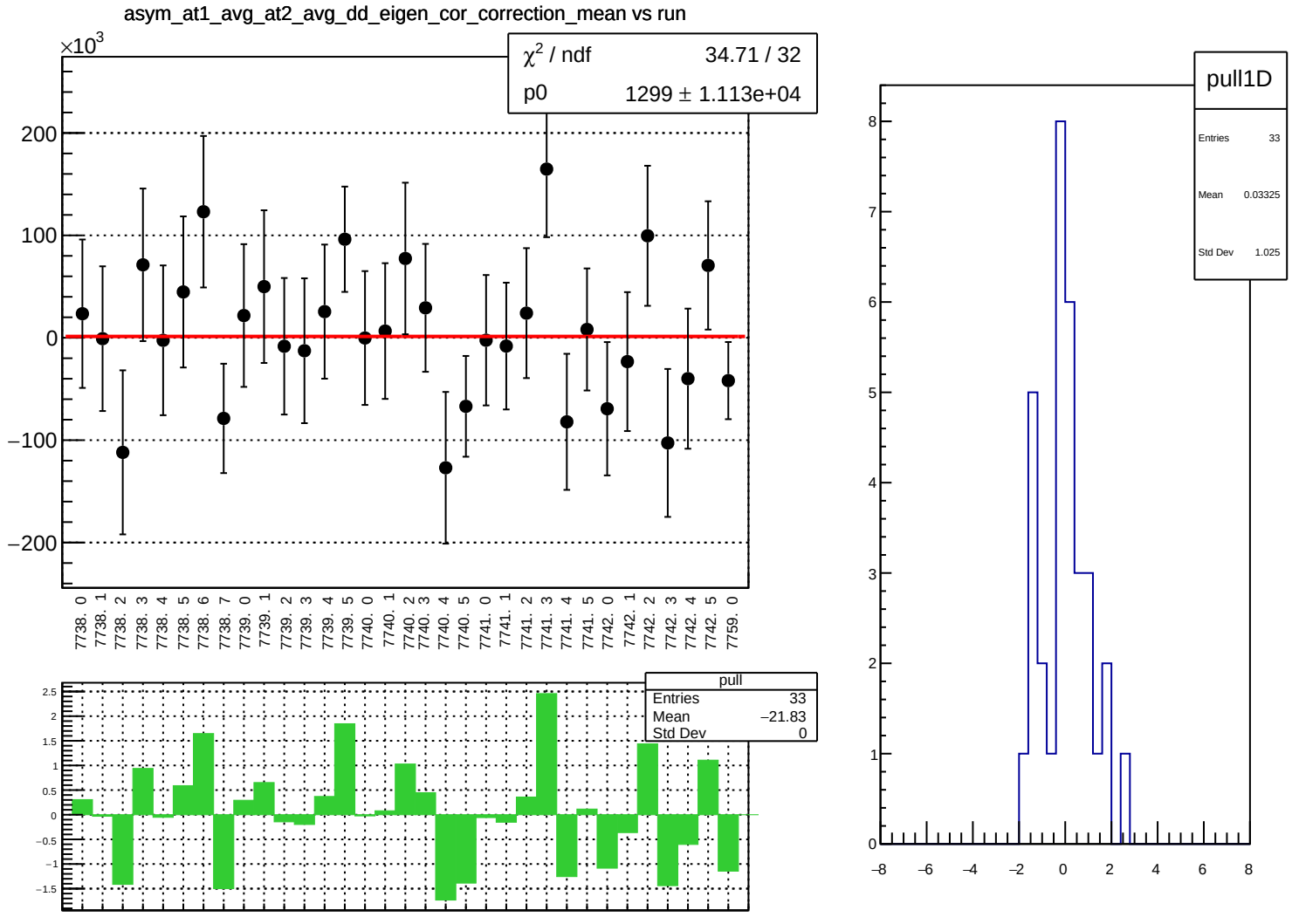

pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

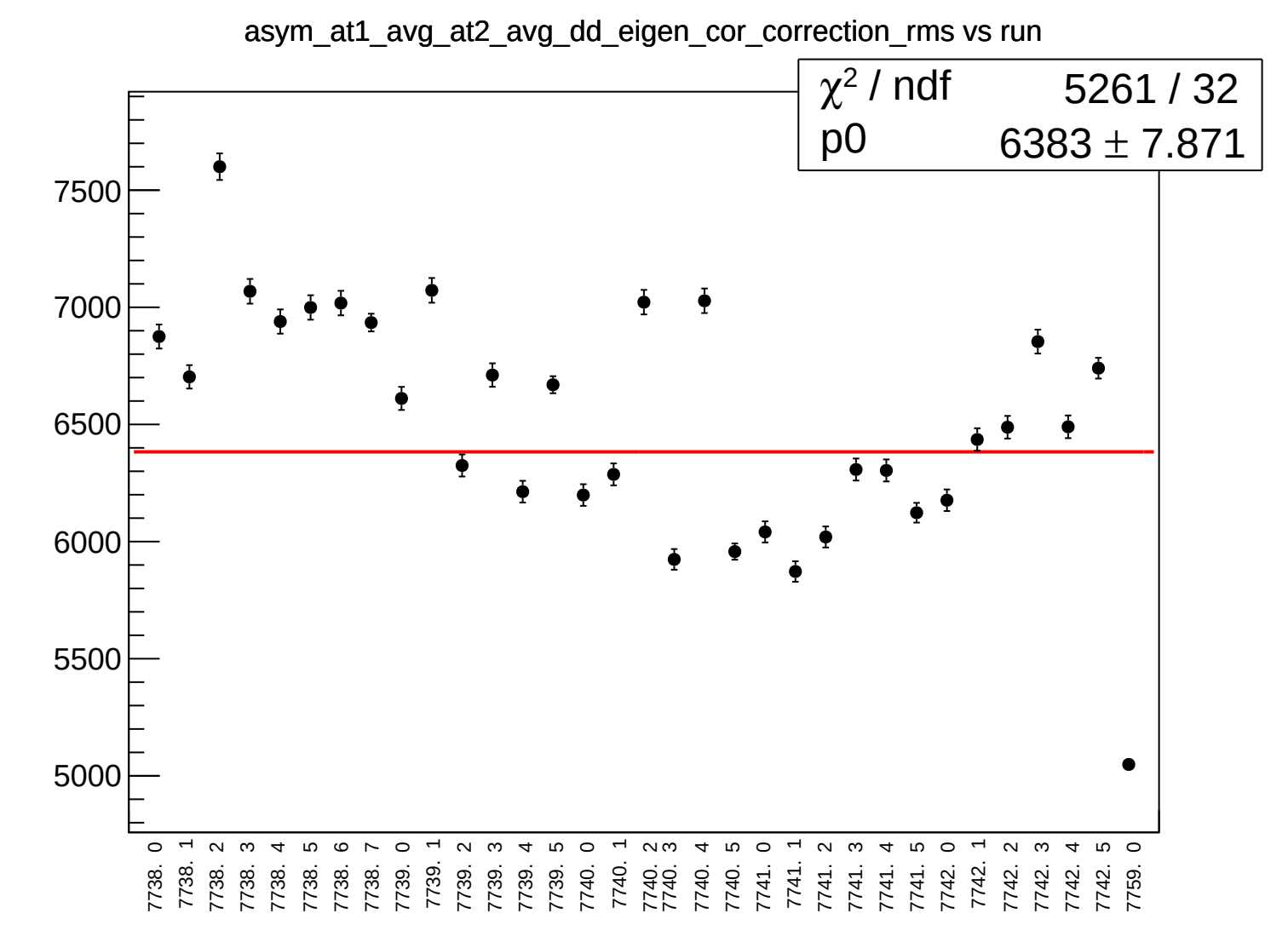

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

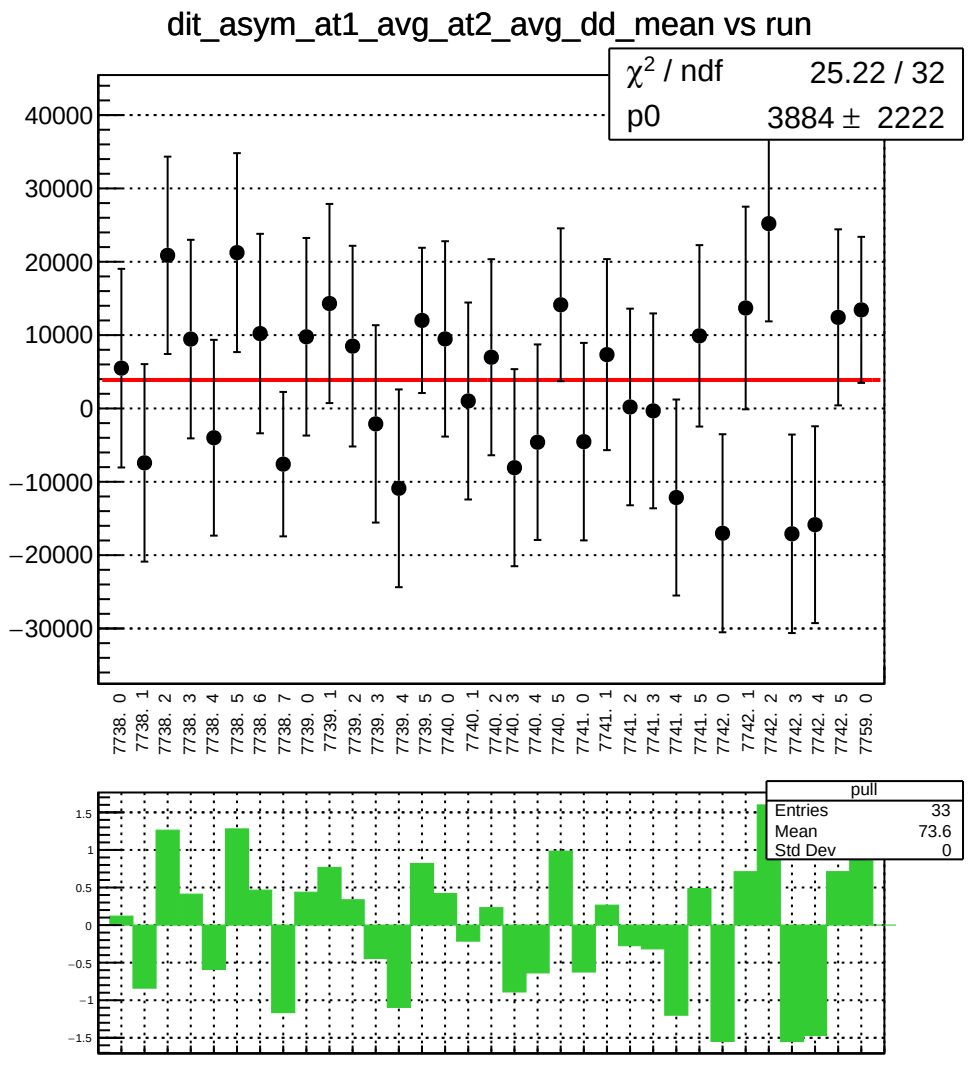

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

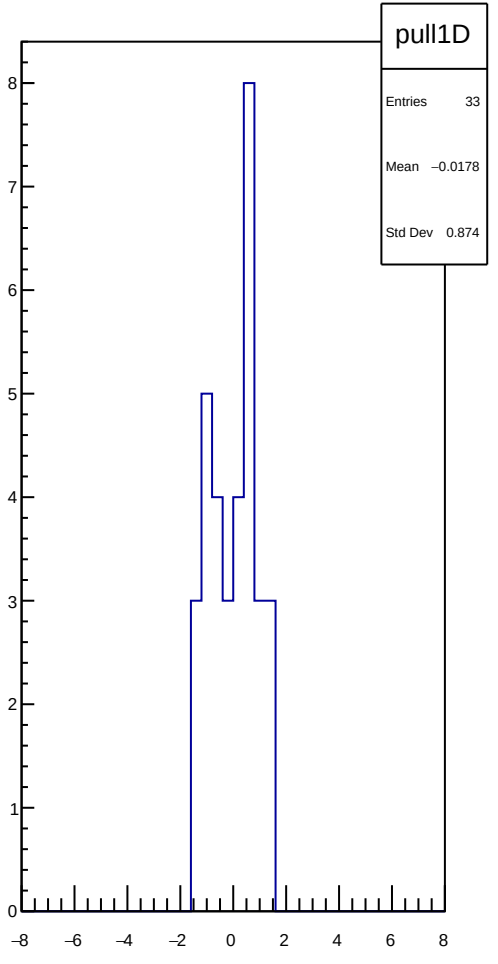

pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

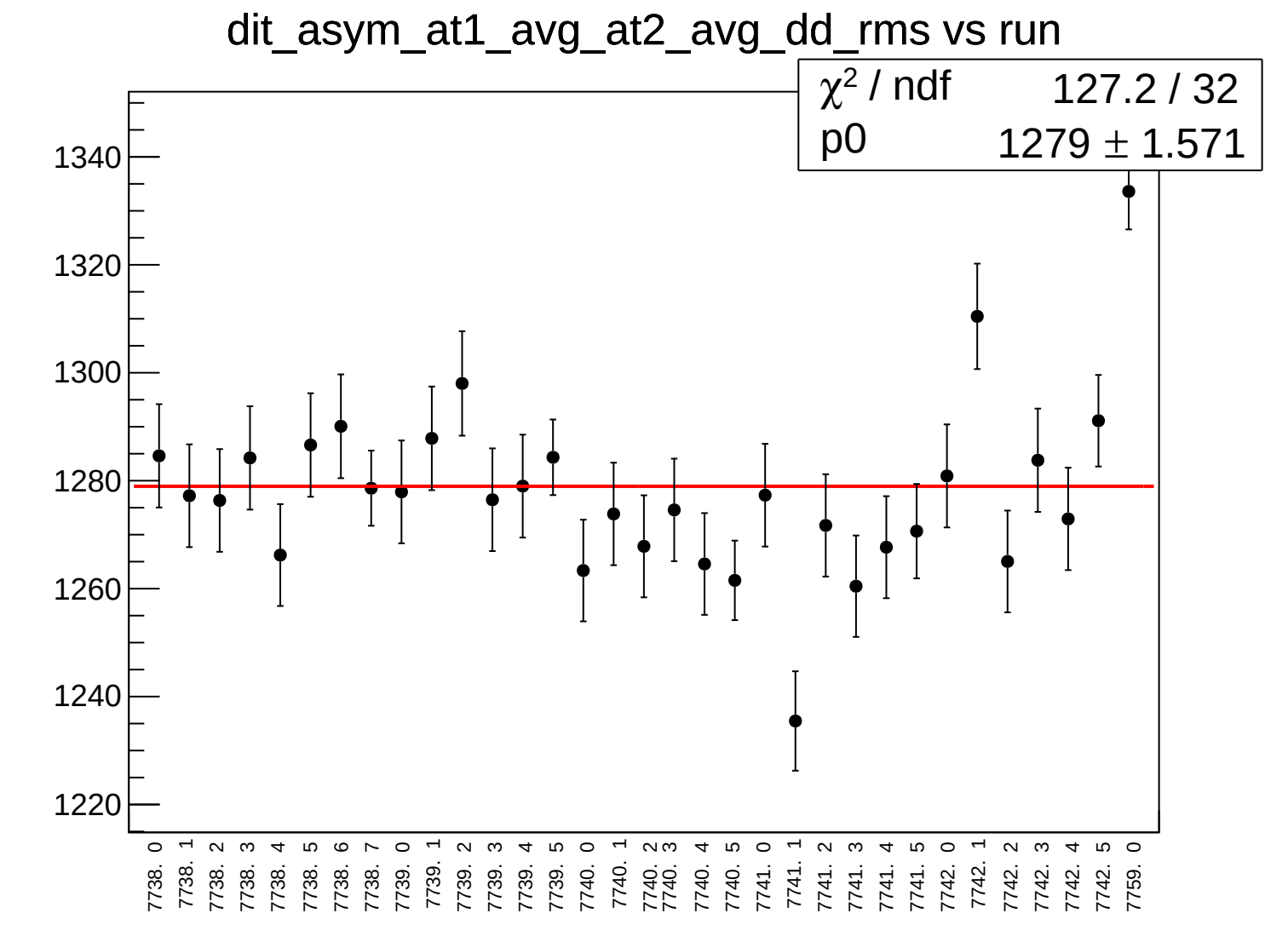

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

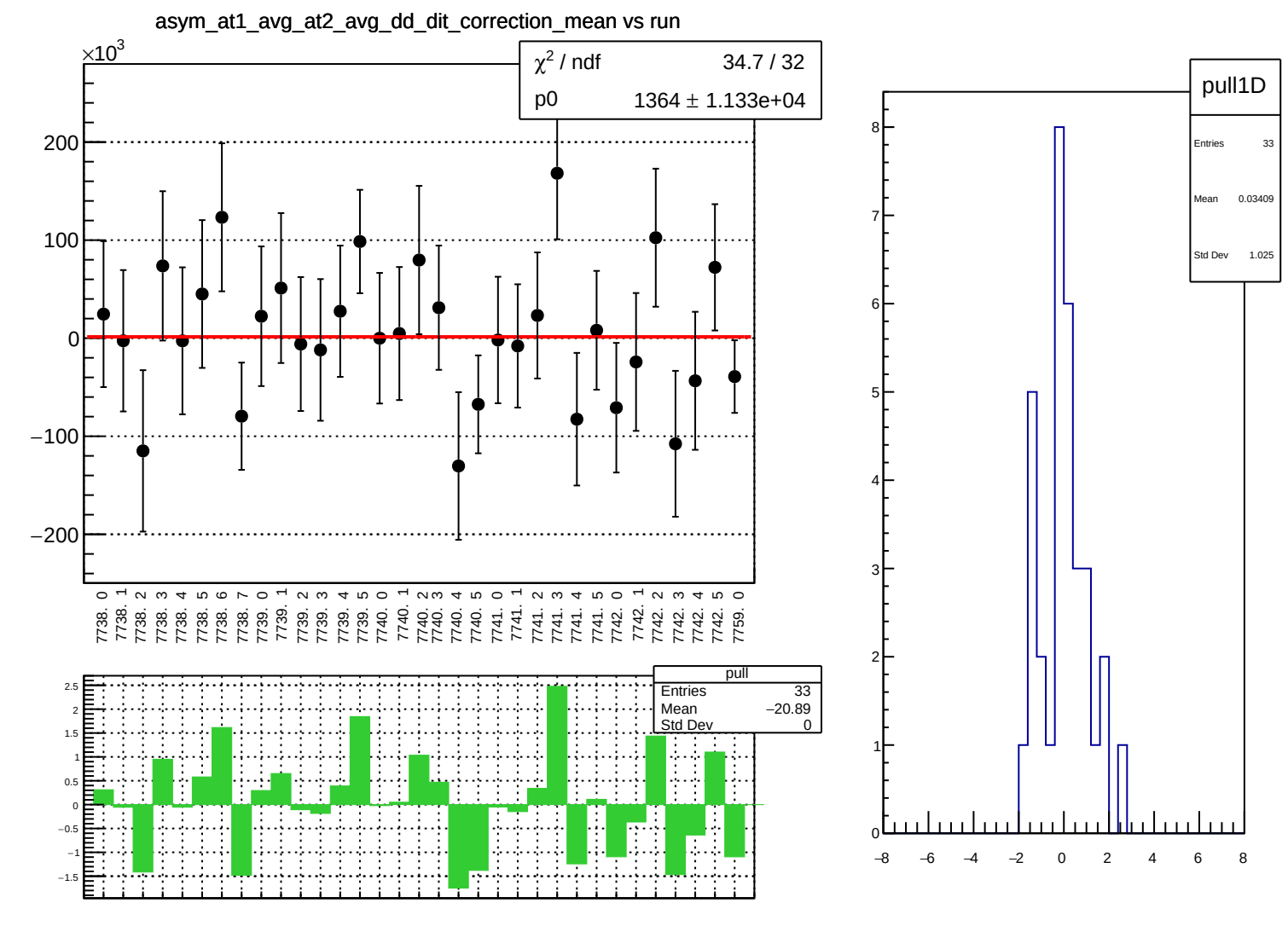

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

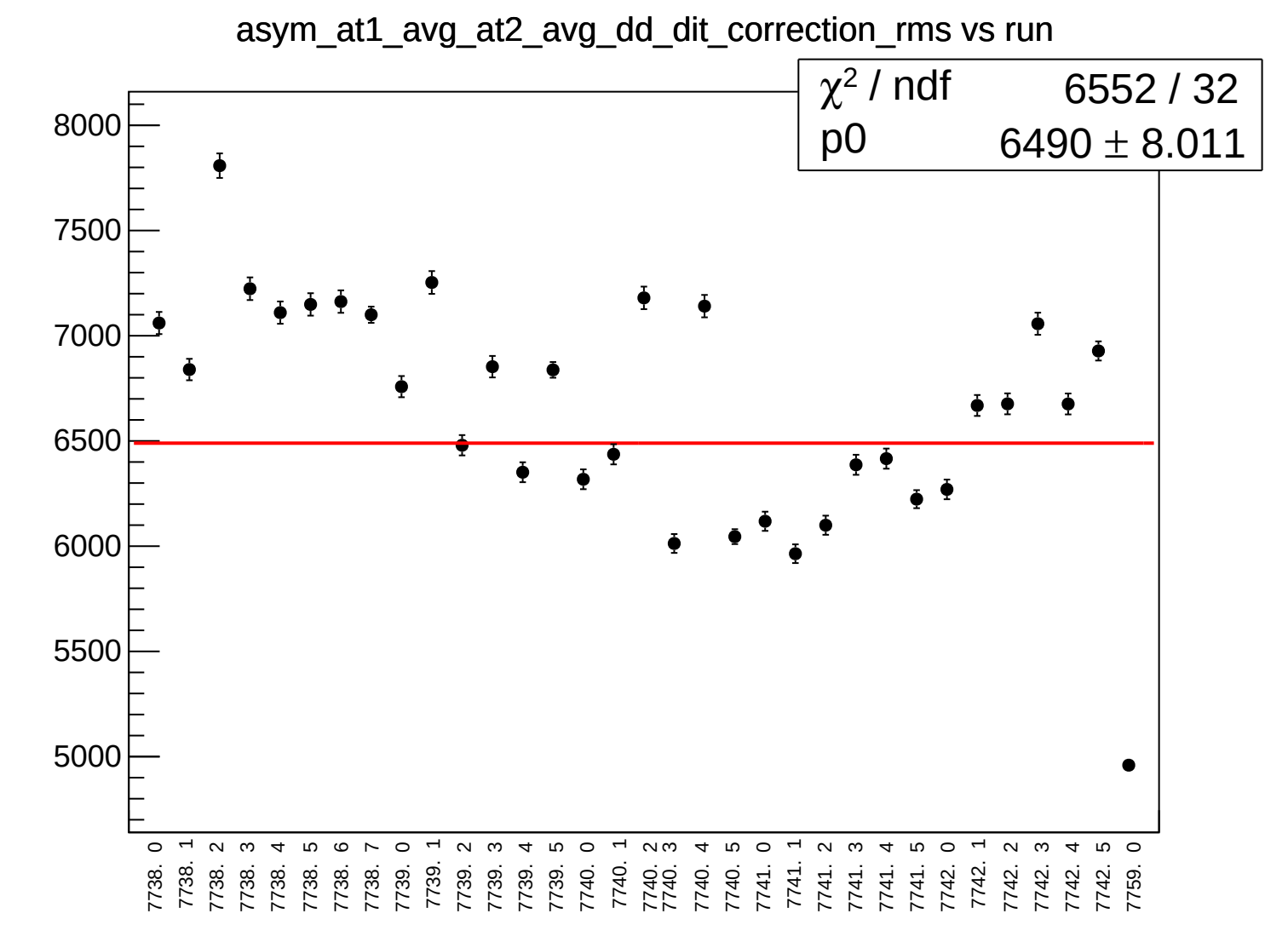

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

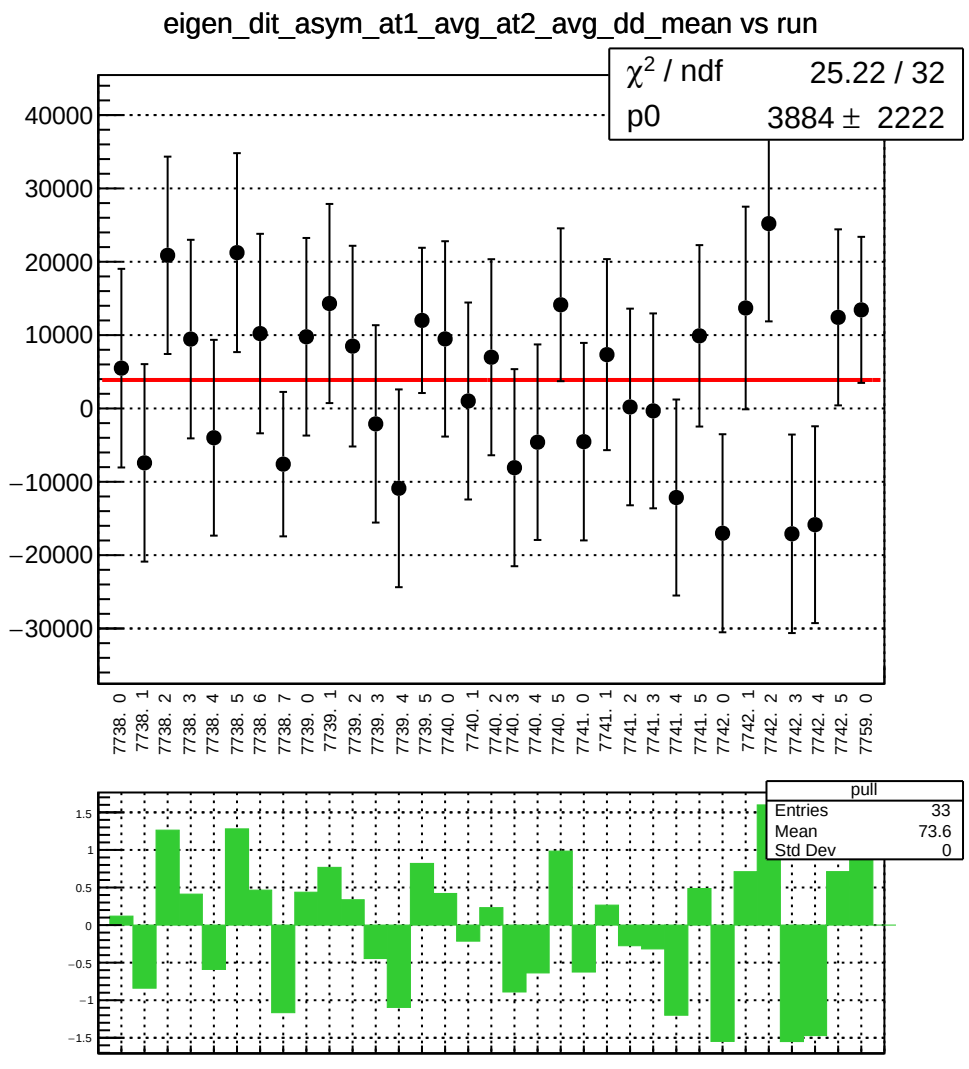

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 25.22 / 32
p0 3884 ± 2222
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

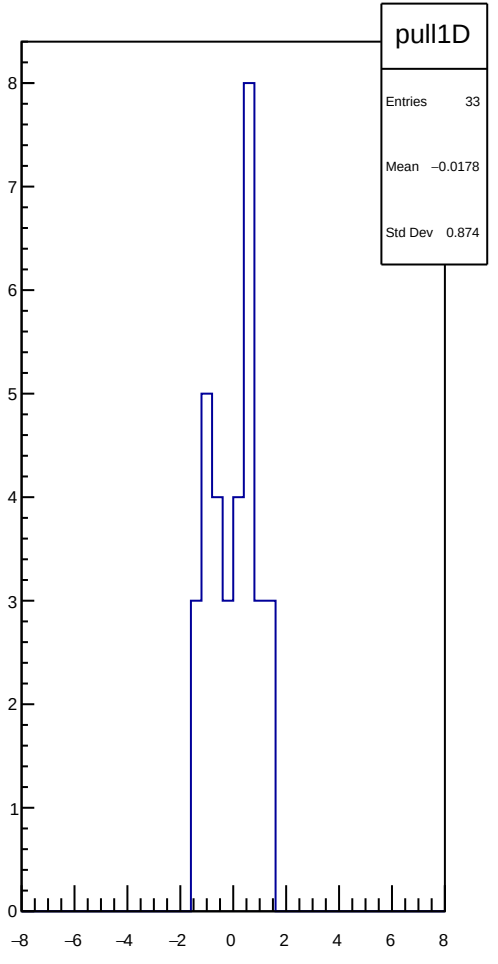

pull1D
Entries 33
Mean −0.0178
Std Dev 0.874
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

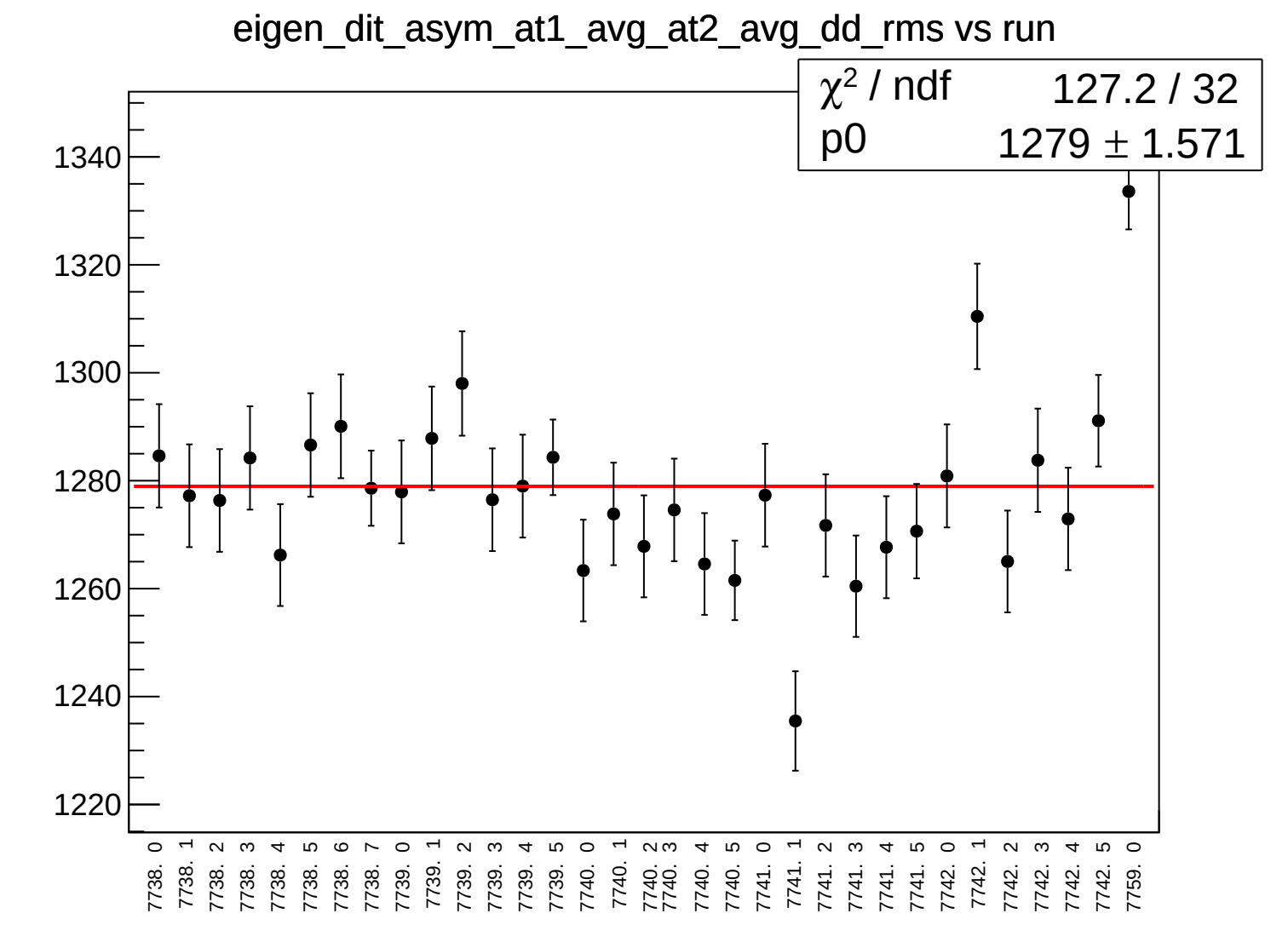

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 127.2 / 32
p0 1279 ± 1.571
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

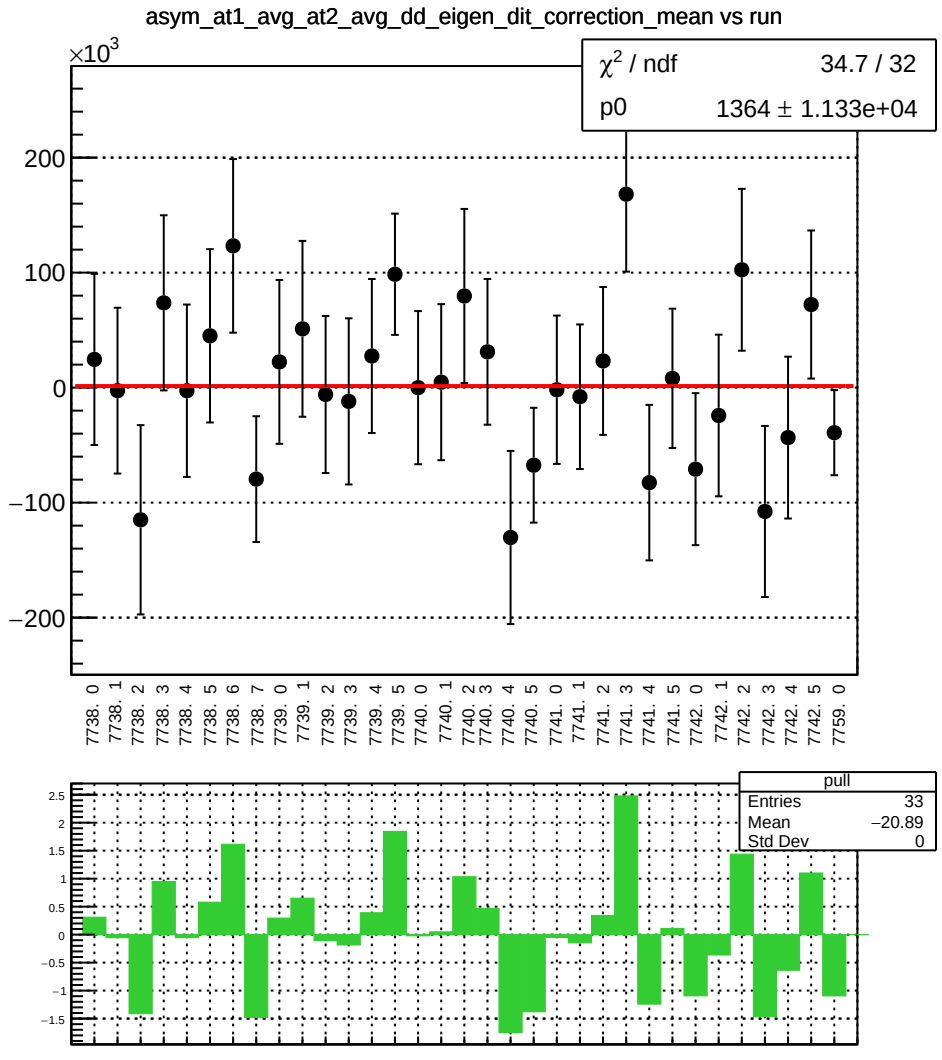

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.7 / 32
p0 1364 ± 1.133e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.89
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03409
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

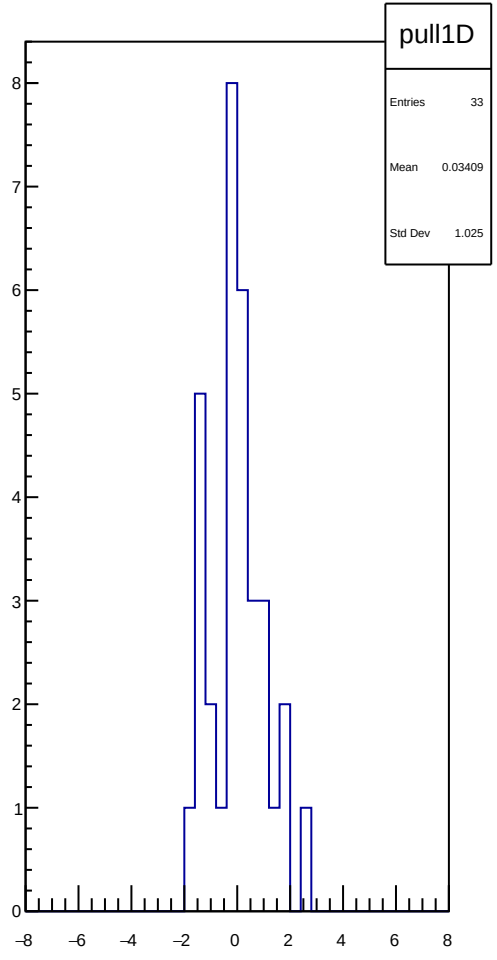

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 6552 / 32
p0 6490 ± 8.011
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

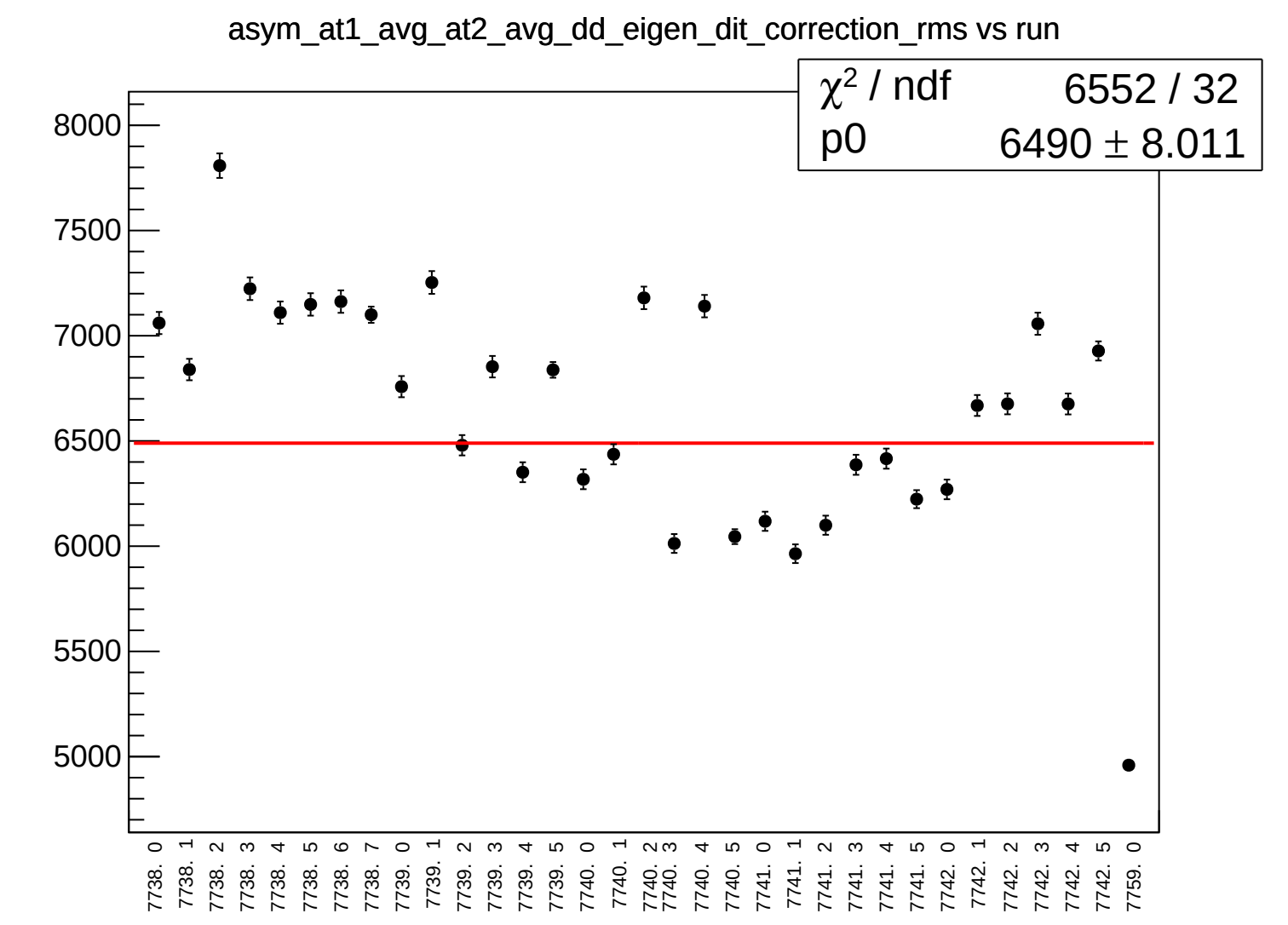

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 25.22 / 32
p0 3884 ± 2222
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

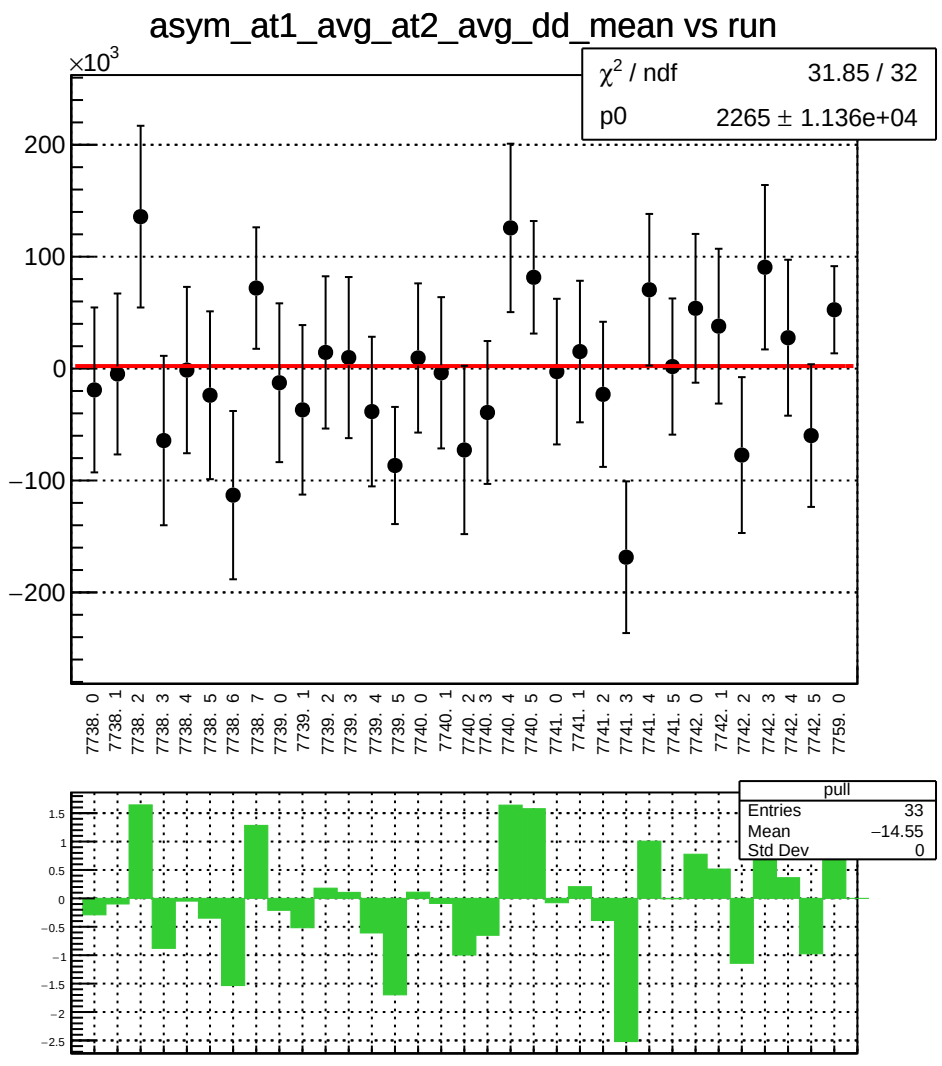

pull1D
Entries 33
Mean −0.0178
Std Dev 0.874
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

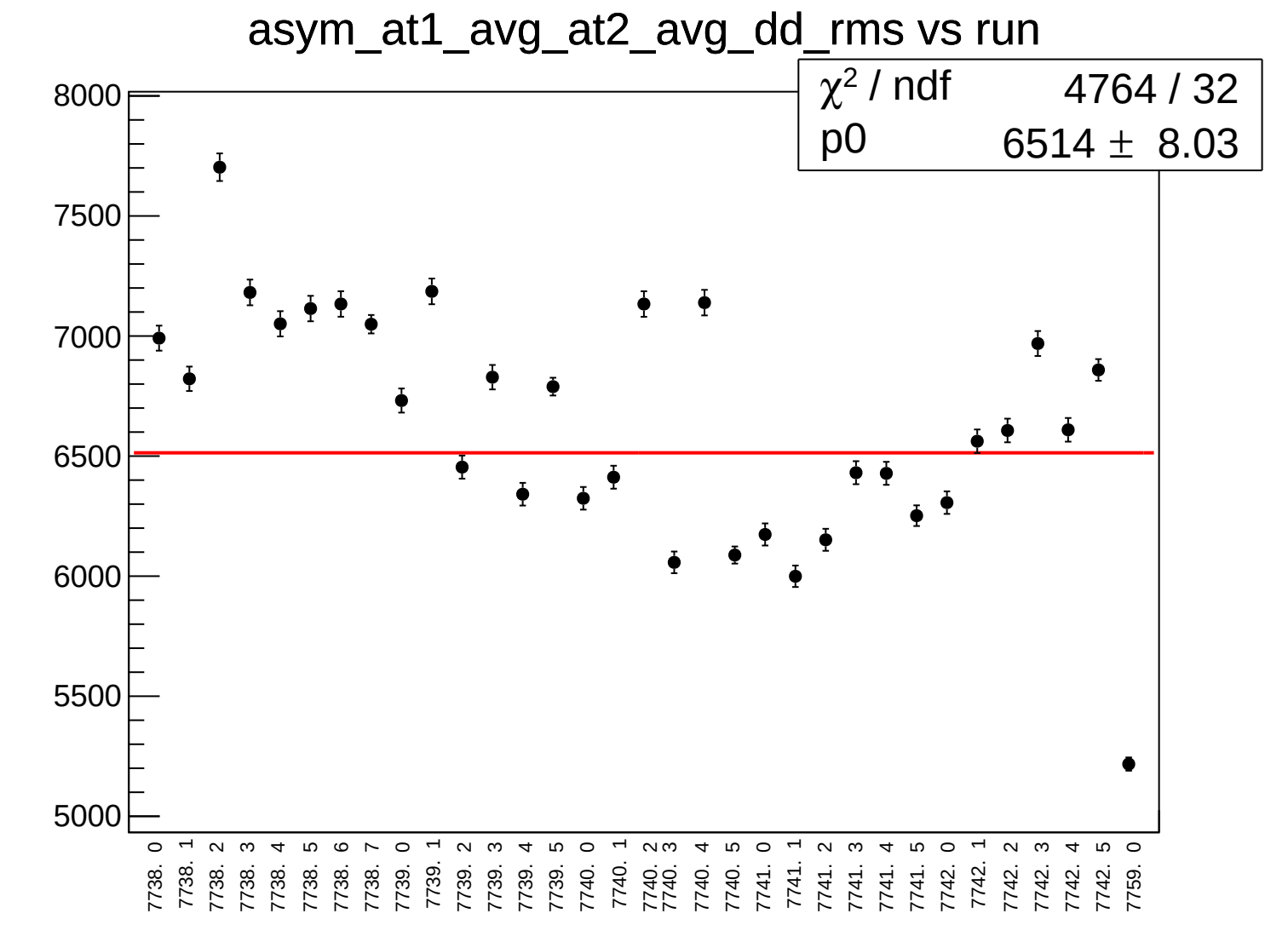

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 127.2 / 32
p0 1279 ± 1.571
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

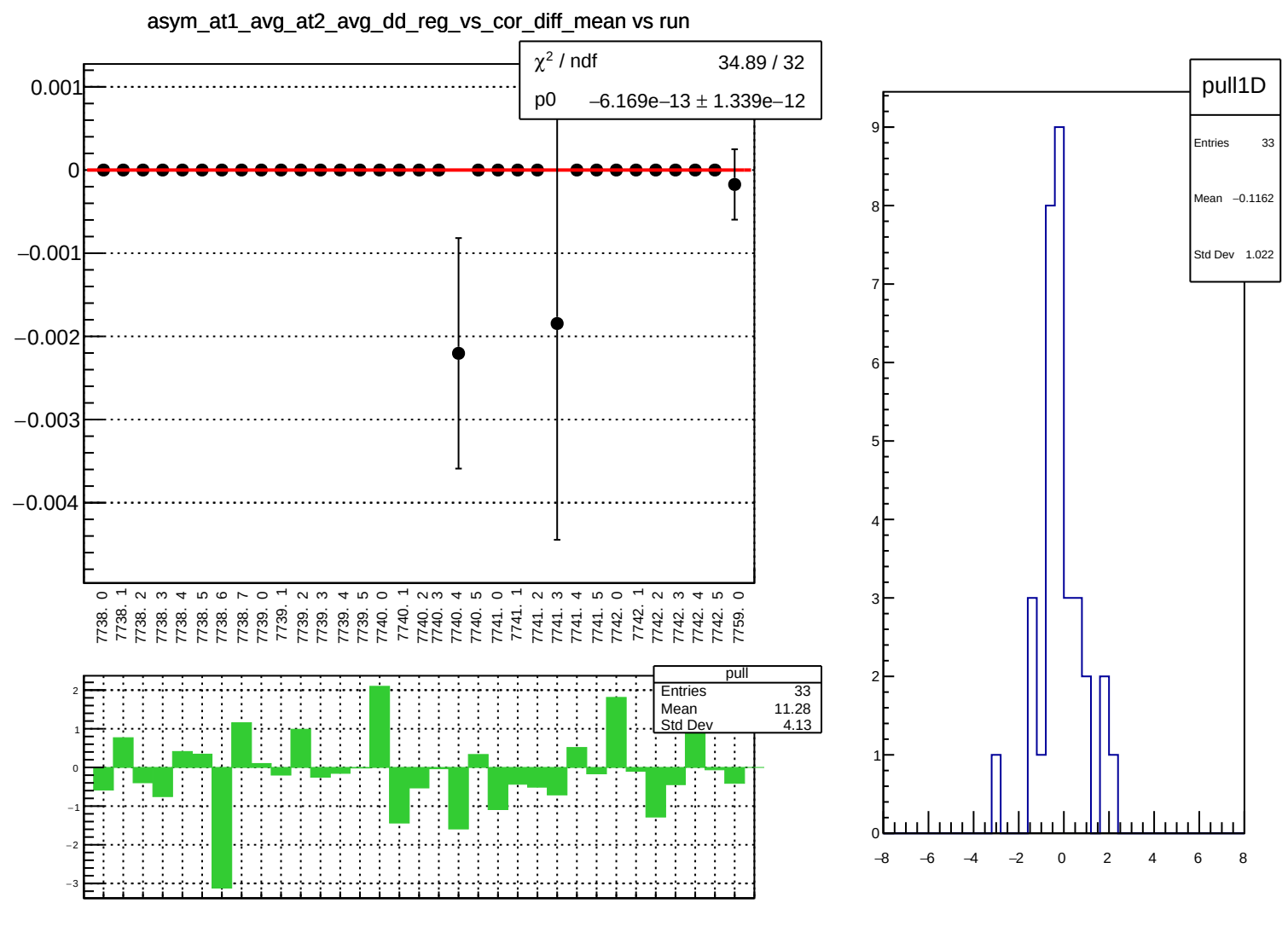

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.7 / 32
p0 1364 ± 1.133e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.89
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

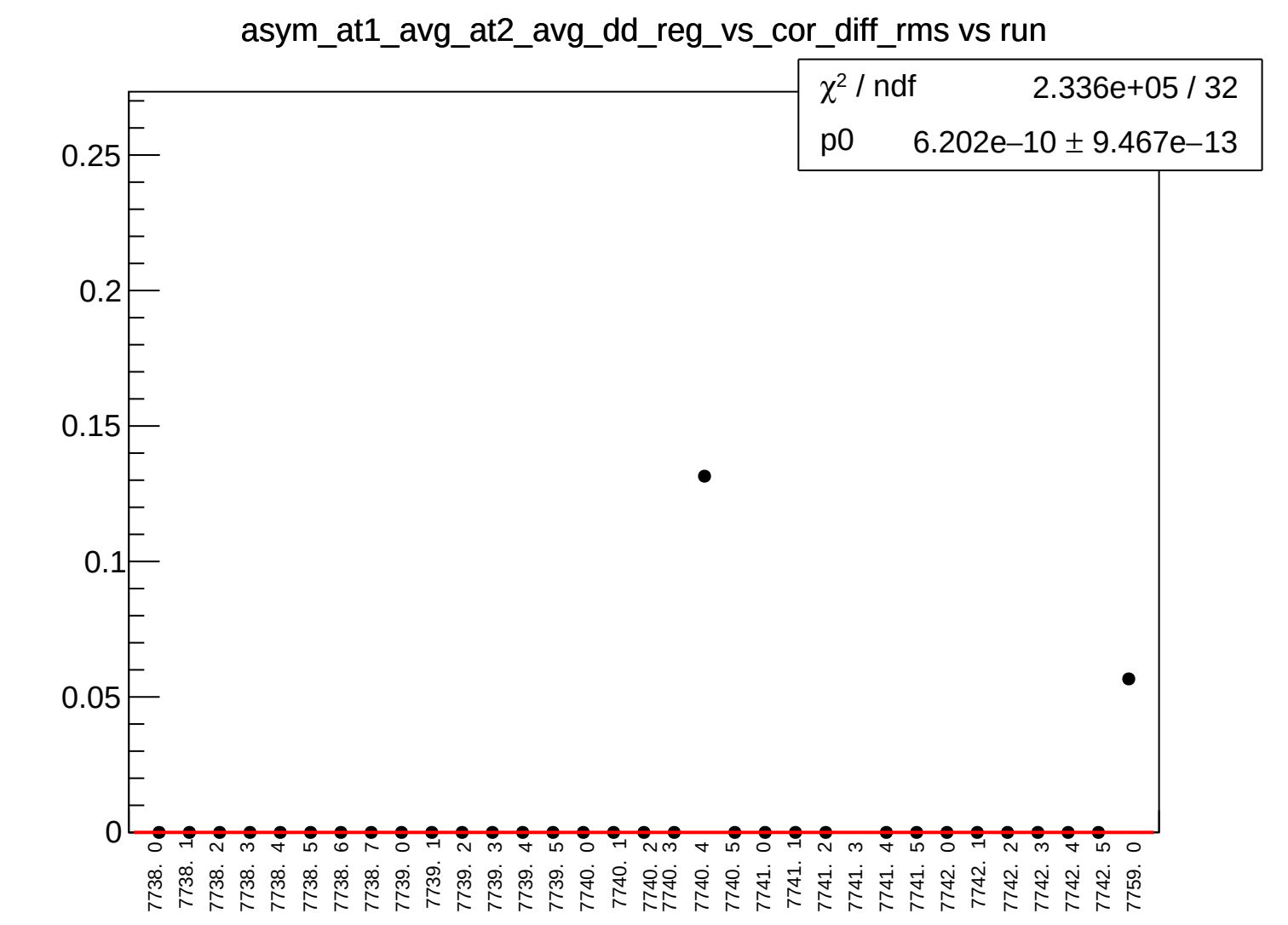

pull1D
Entries 33
Mean 0.03409
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

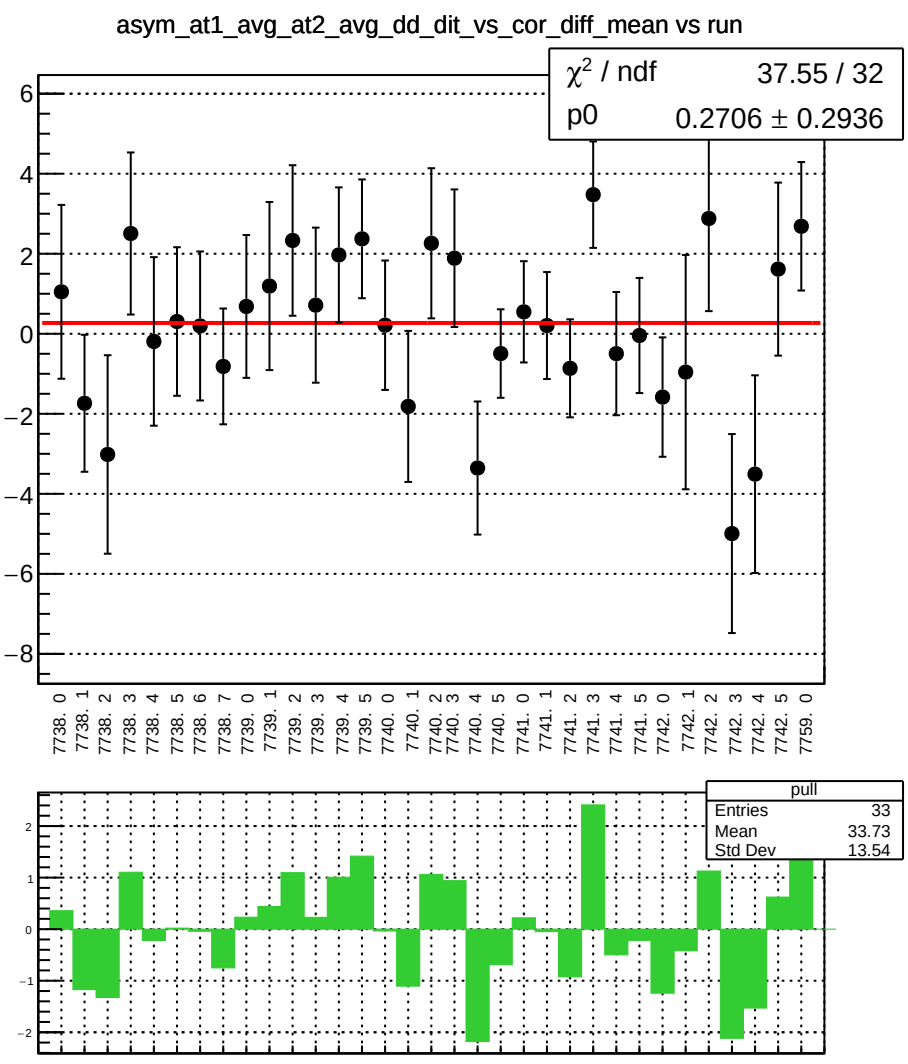

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6552 / 32
p0 6490 ± 8.011
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

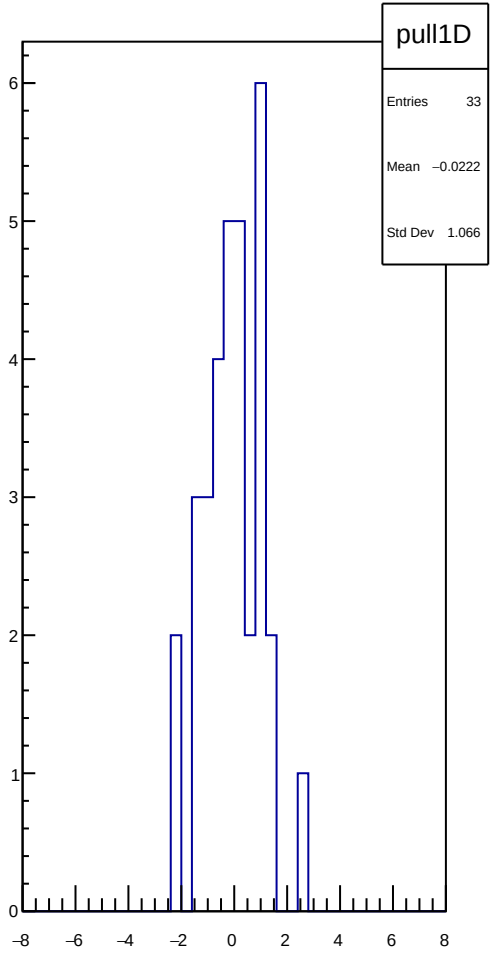

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 31.85 / 32
p0 2265 ± 1.136e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03551
Std Dev 0.9818
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

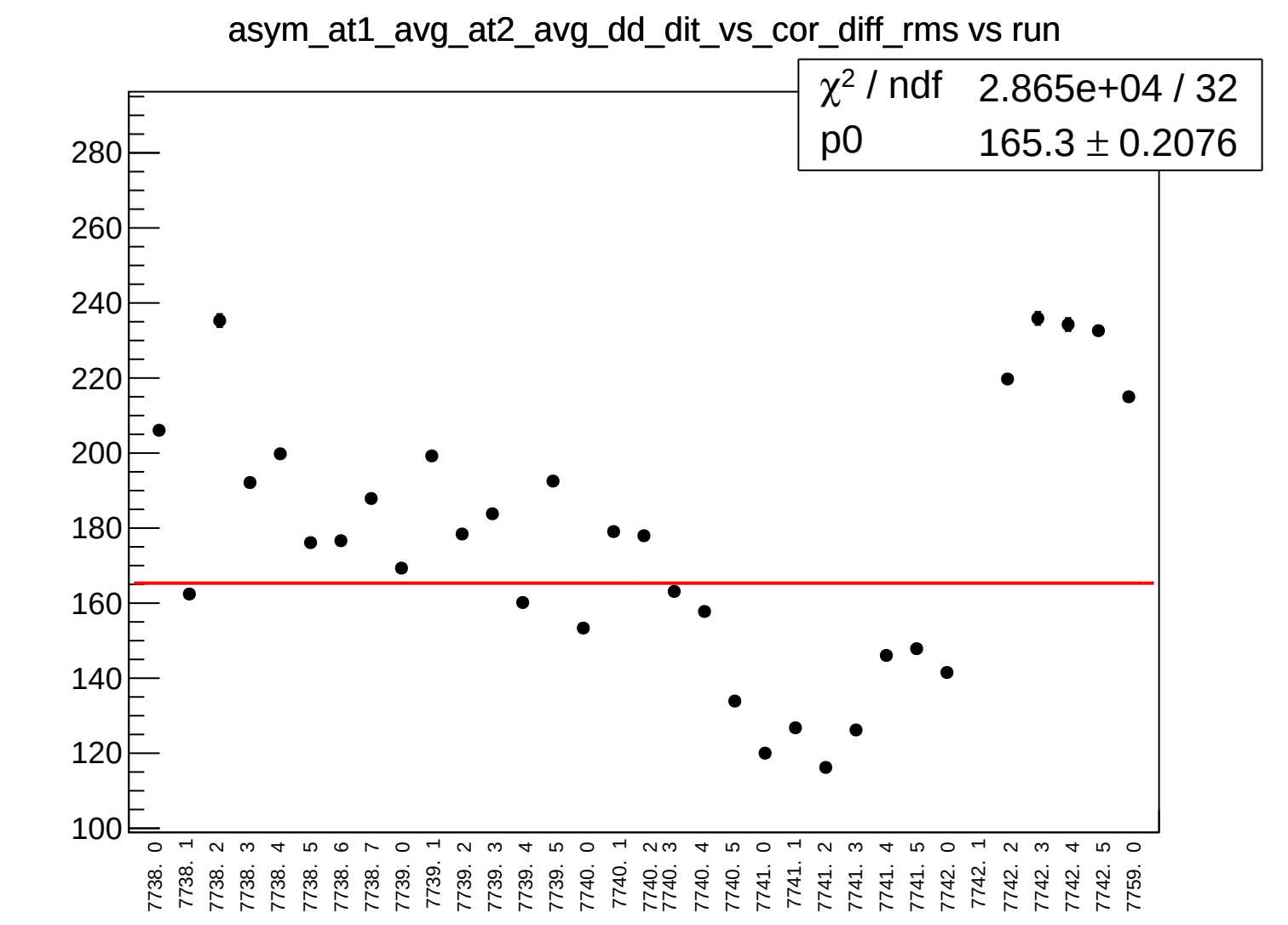

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 4764 / 32
p0 6514 ± 8.03
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

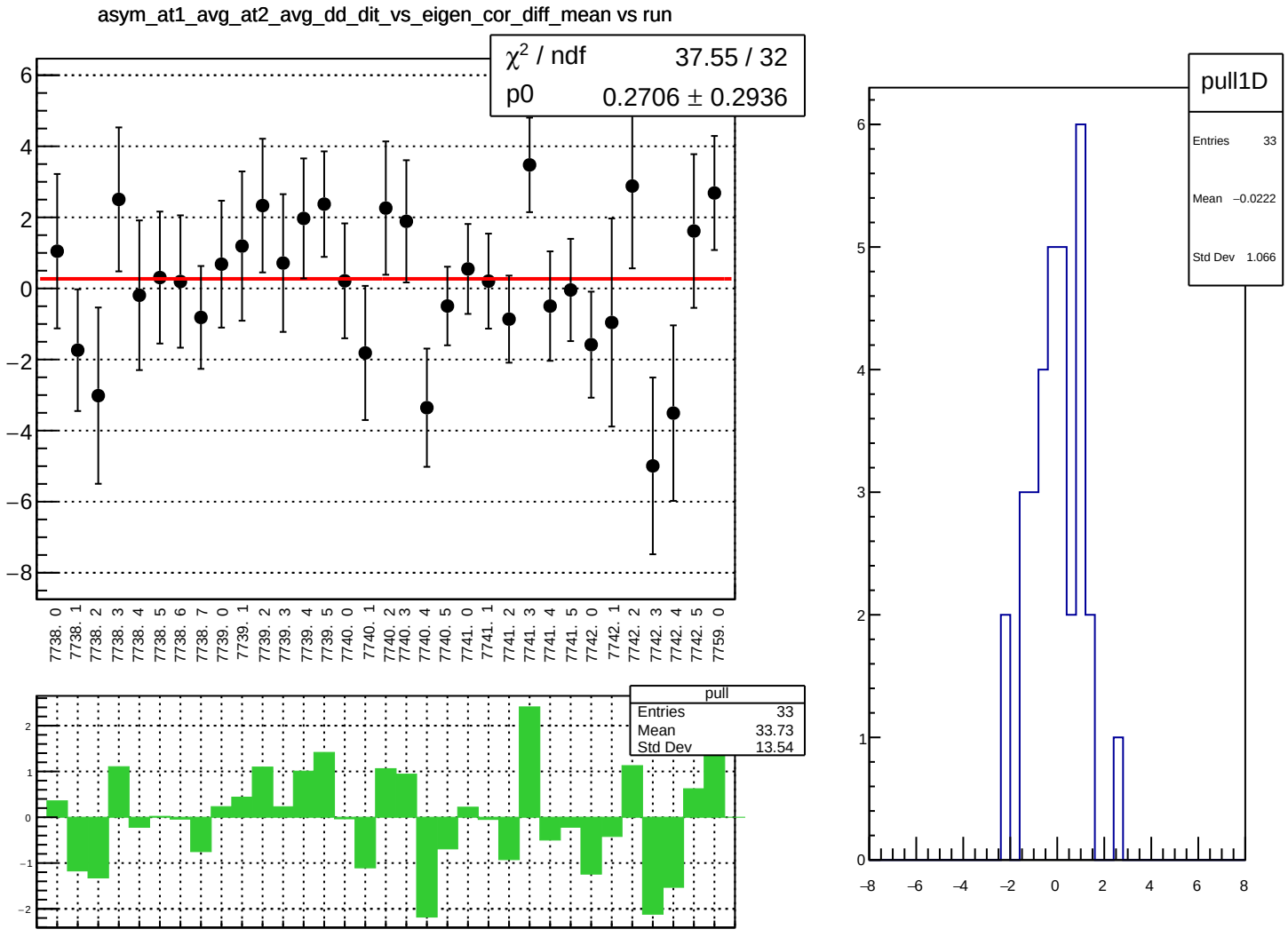

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.89 / 32
p0 −6.169e−13 ± 1.339e−12
0.001
0
−0.001
−0.002
−0.003
−0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 11.28
Std Dev 4.13
pull1D
Entries 33
Mean −0.1162
Std Dev 1.022

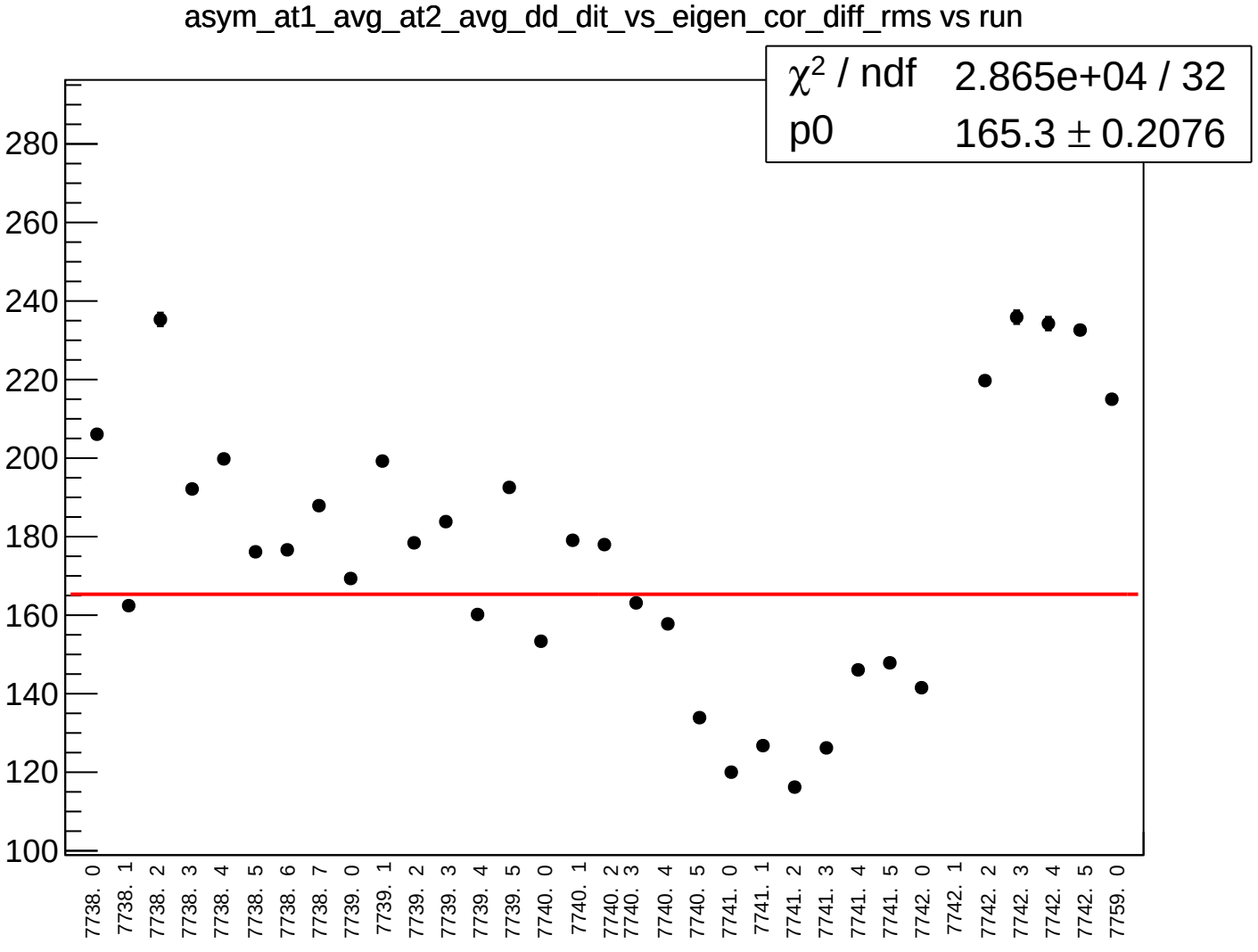

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.336e+05 / 32
p0 6.202e−10 ± 9.467e−13
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

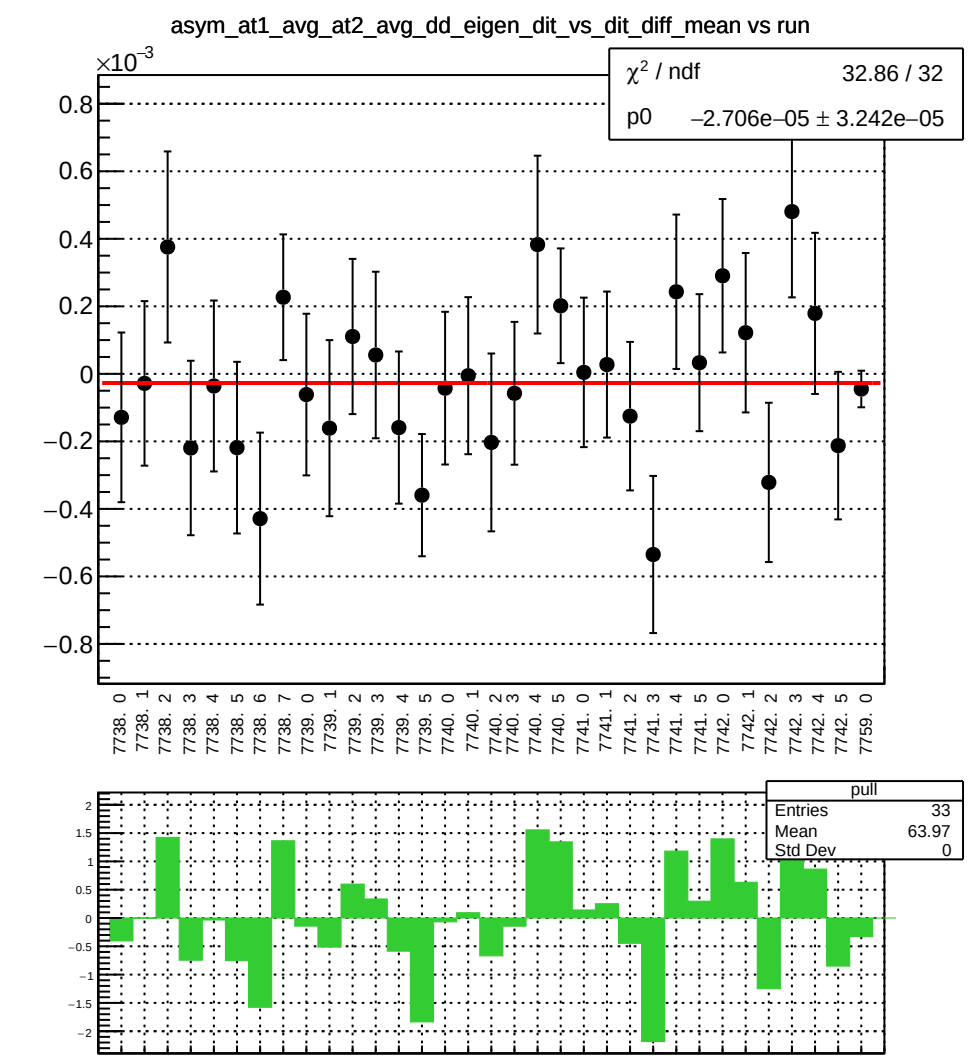

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.54
2
1
0
−1
−2

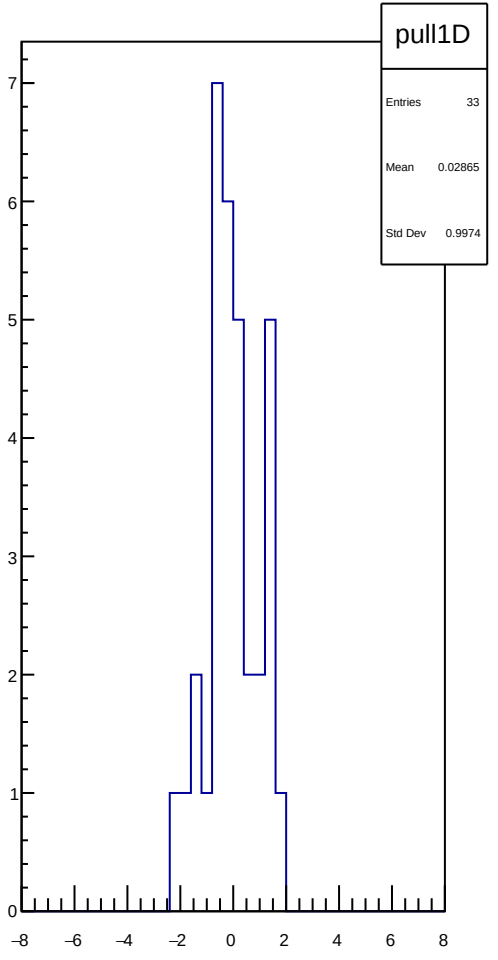

pull1D
Entries 33
Mean −0.0222
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

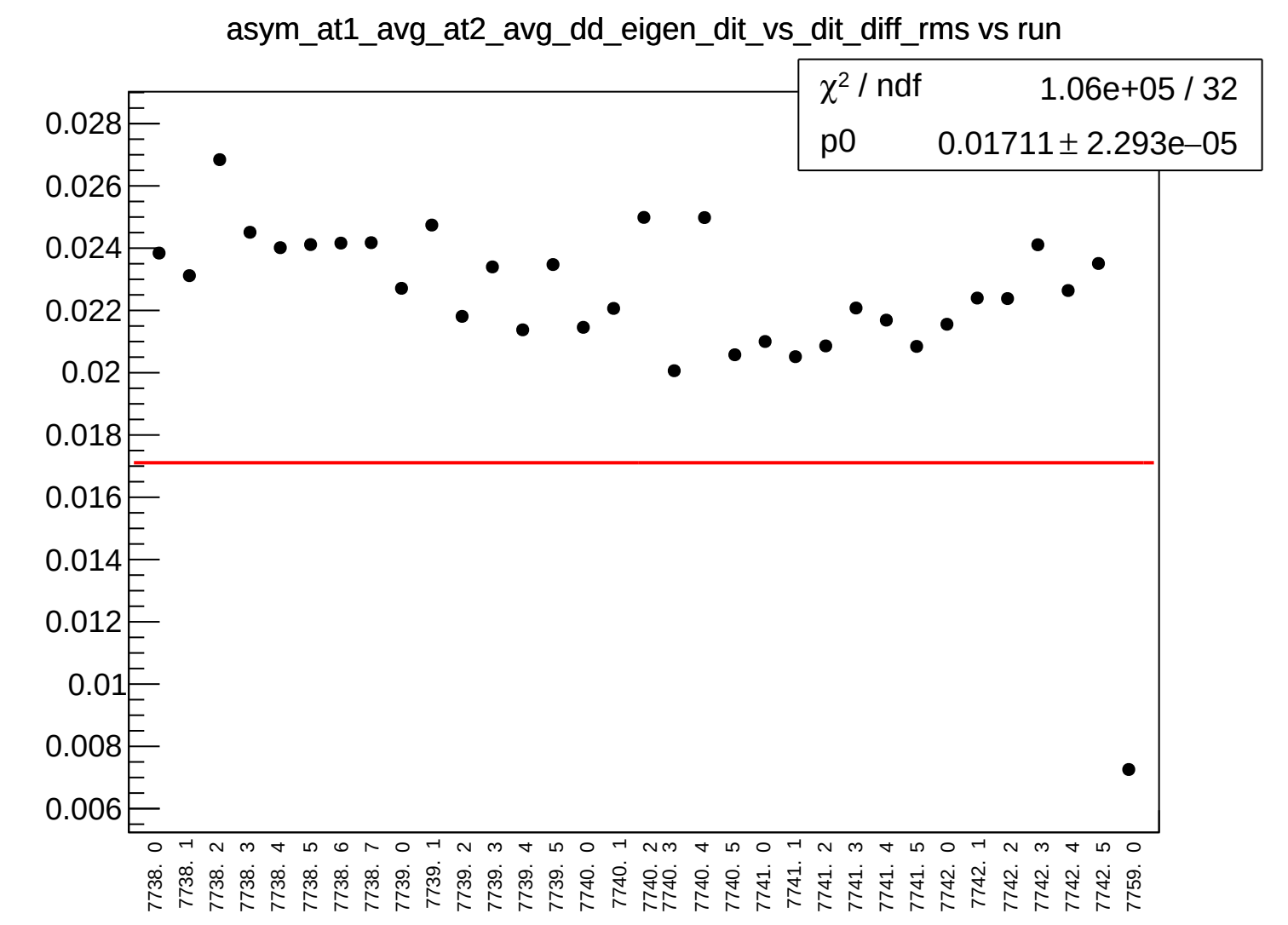

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

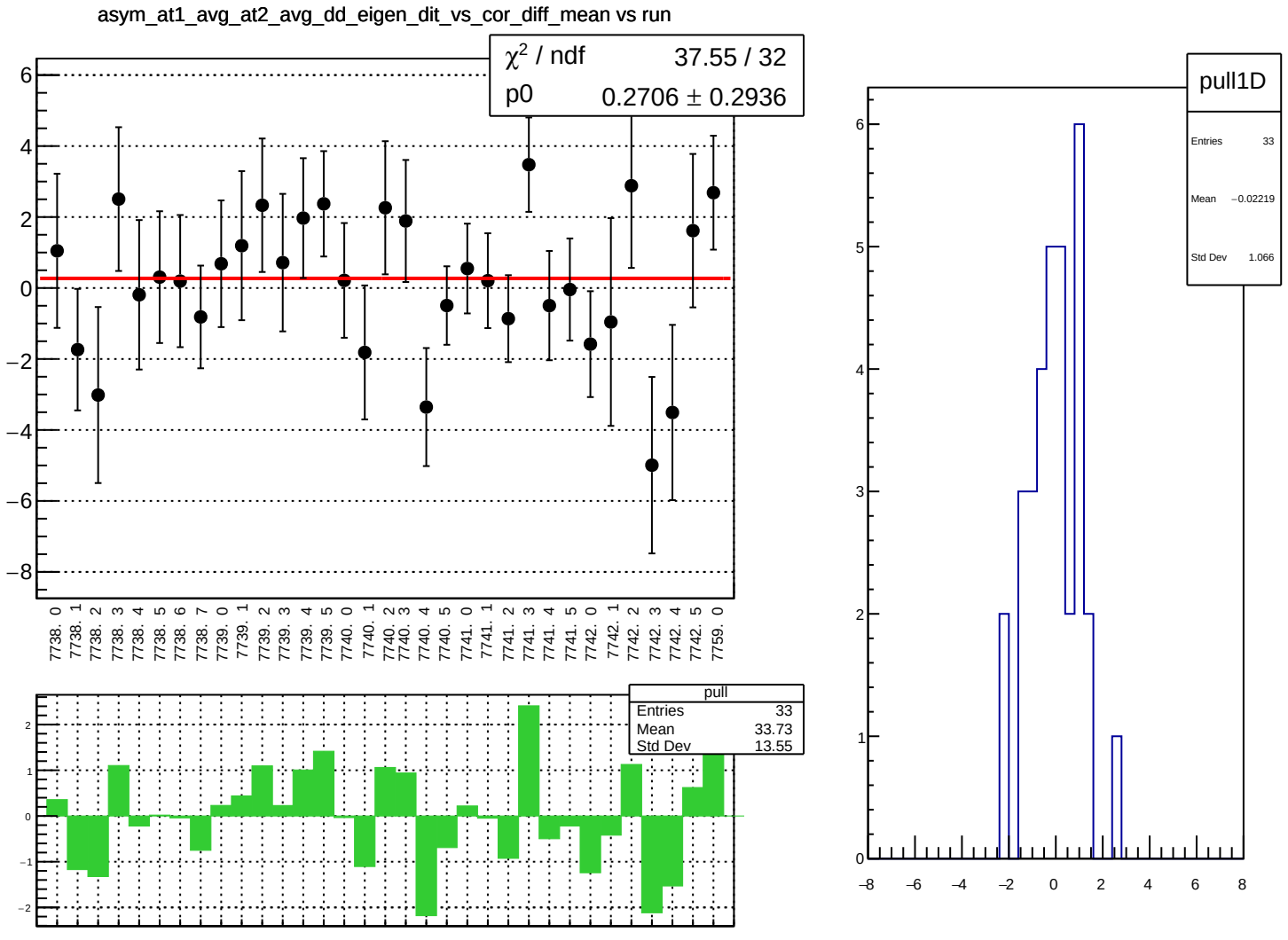

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.54
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0222
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

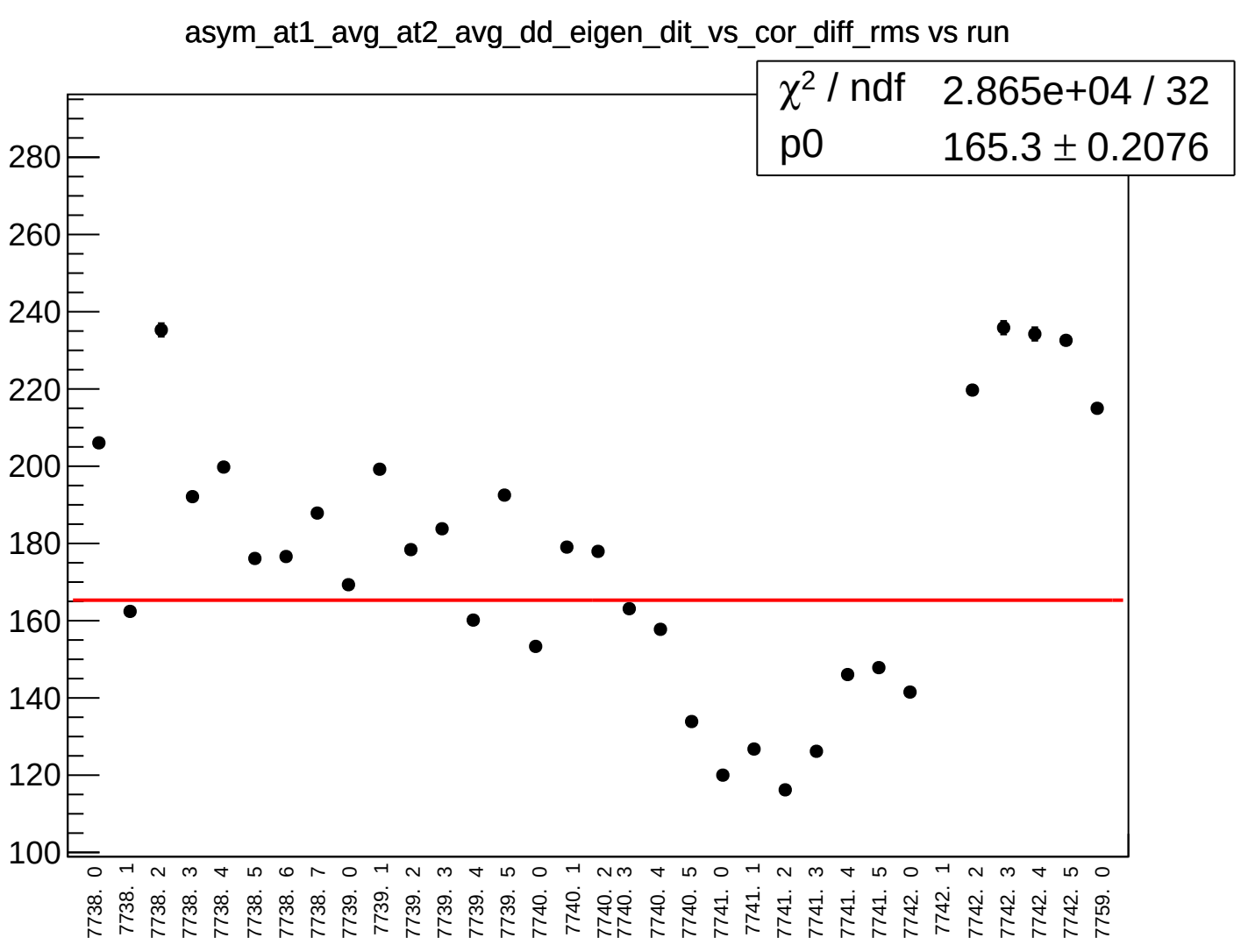

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

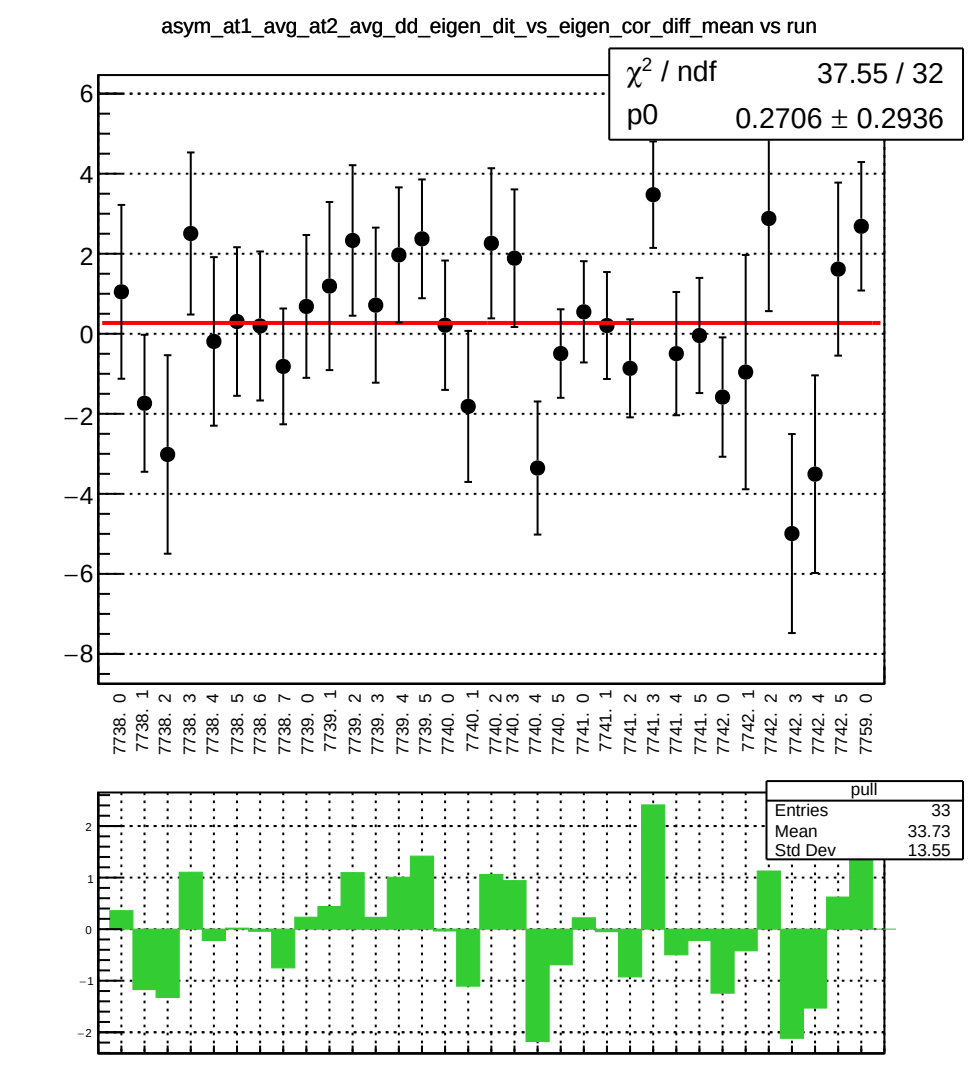

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.86 / 32
p0 −2.706e−05 ± 3.242e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 63.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

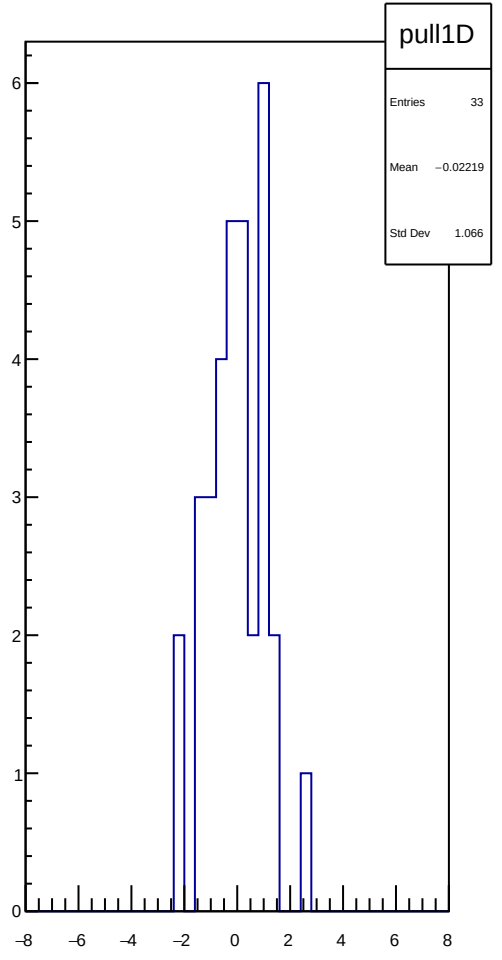

pull1D
Entries 33
Mean 0.02865
Std Dev 0.9974
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

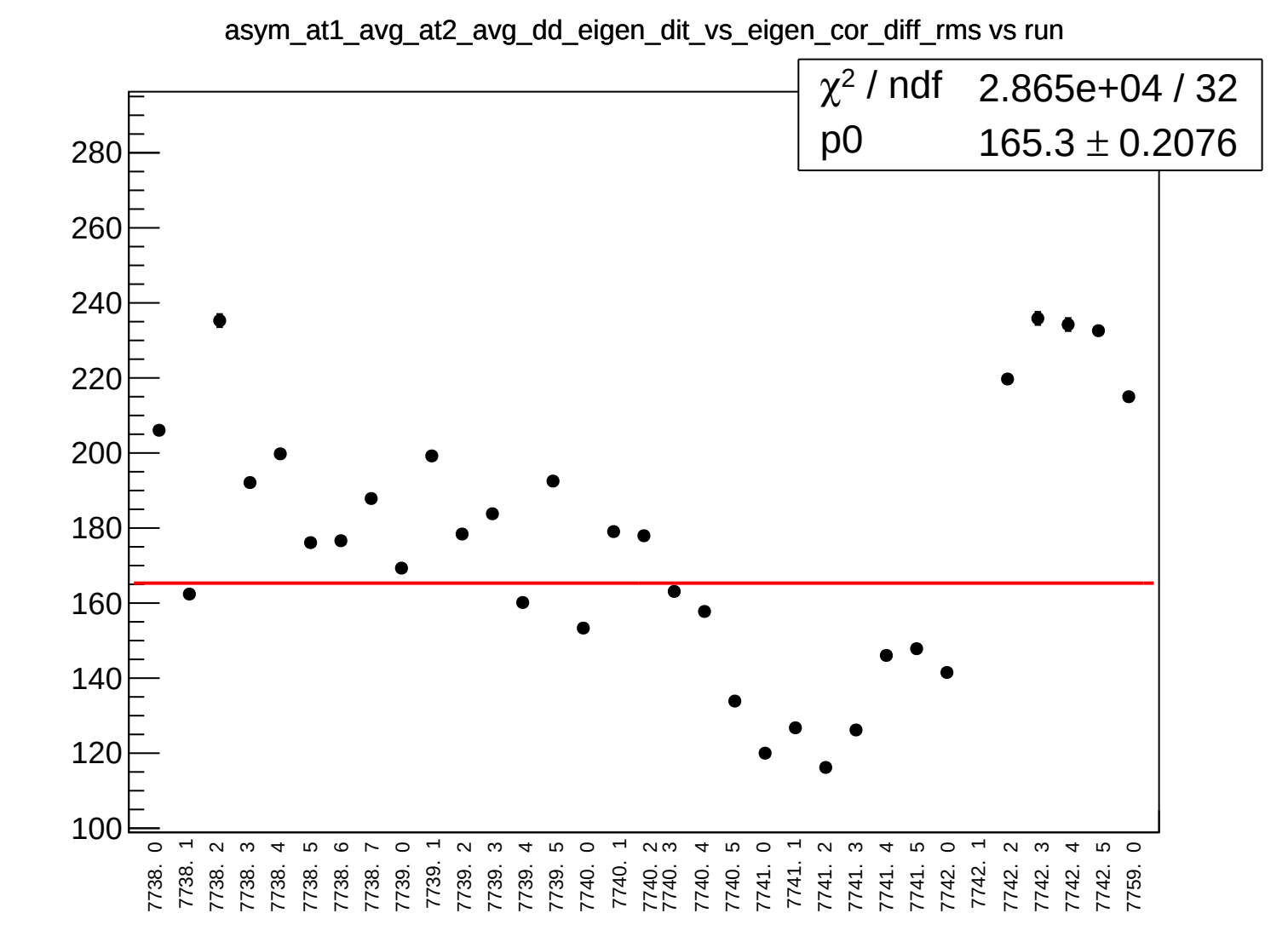

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.06e+05 / 32
p0 0.01711 ± 2.293e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

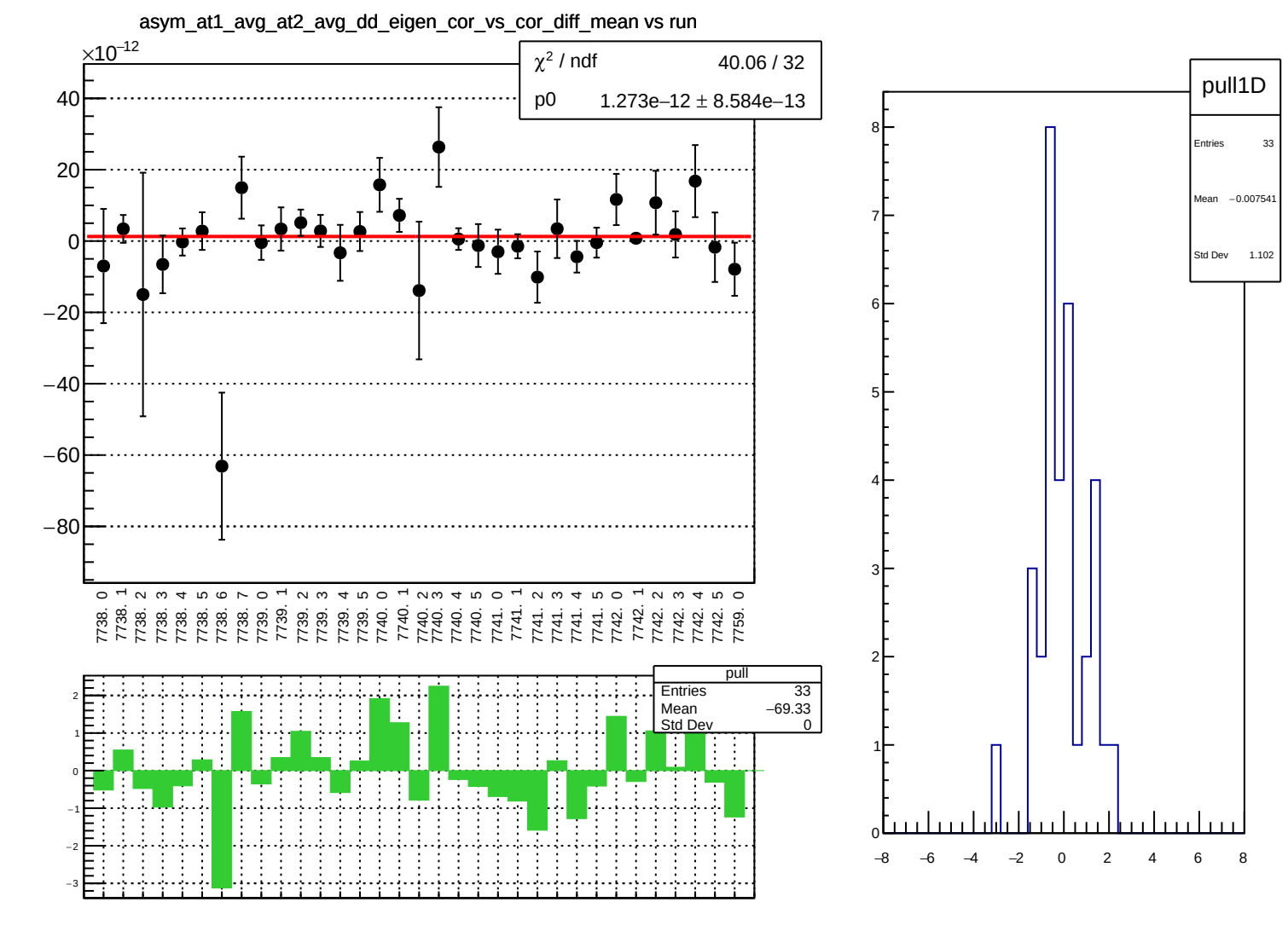

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.55
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02219
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

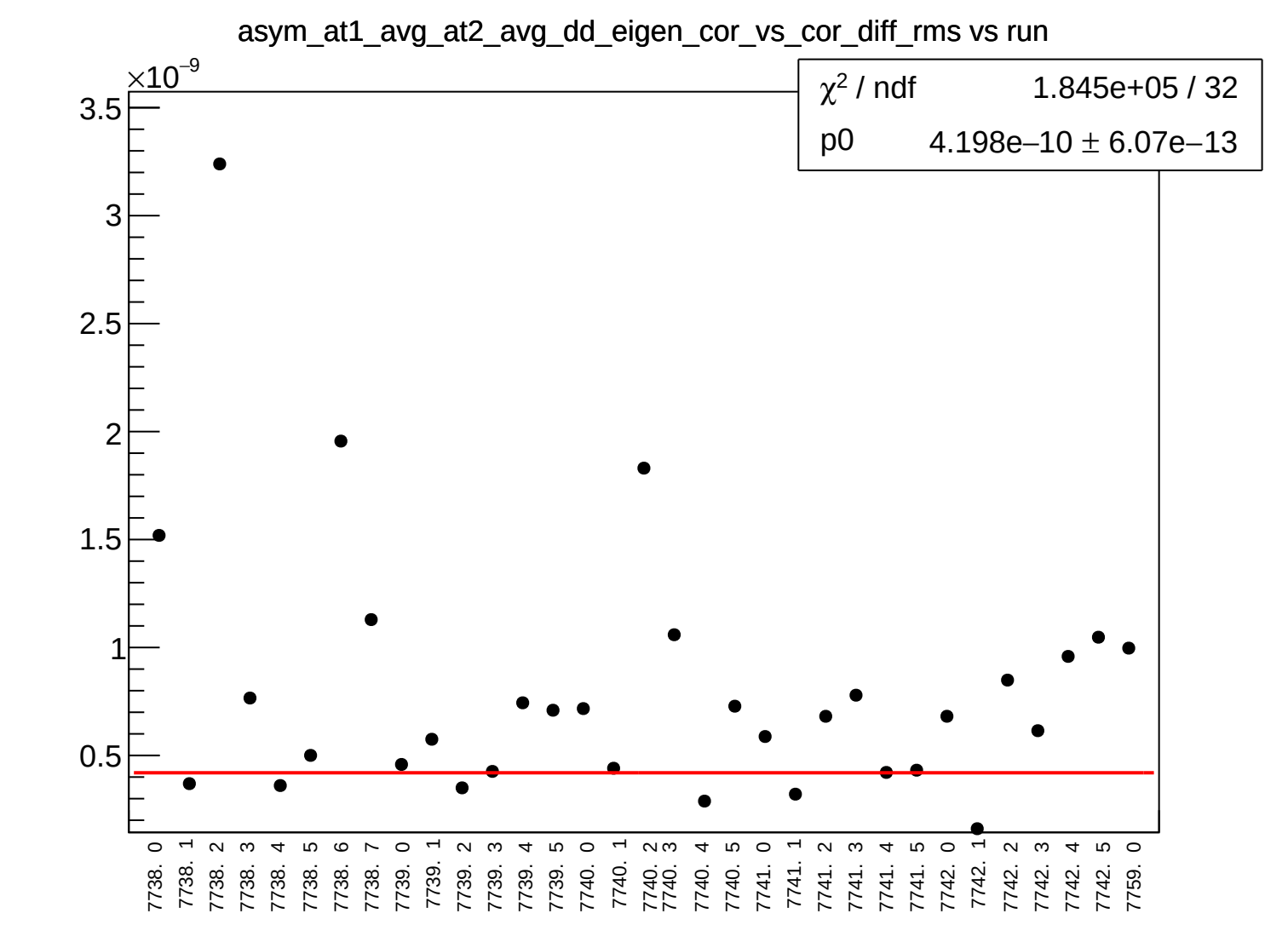

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

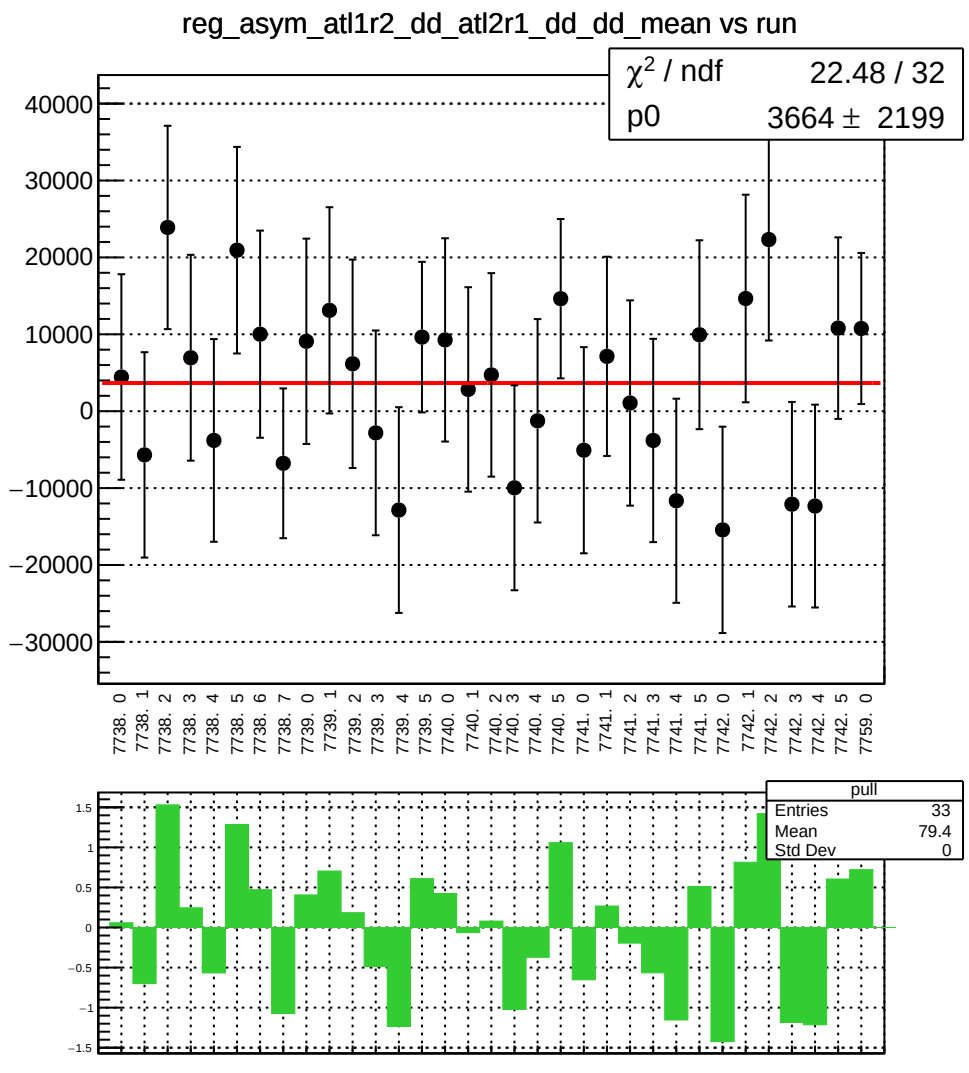

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.55
2
1
0
−1
−2

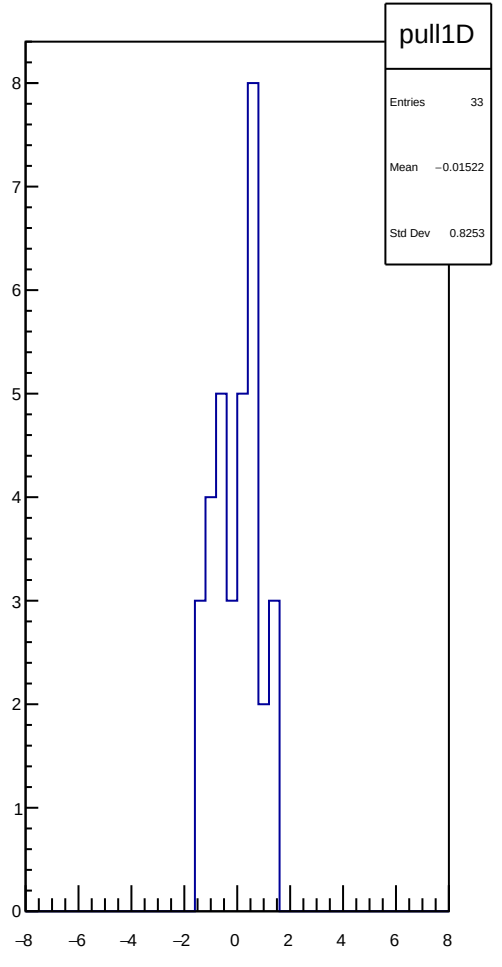

pull1D
Entries 33
Mean −0.02219
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

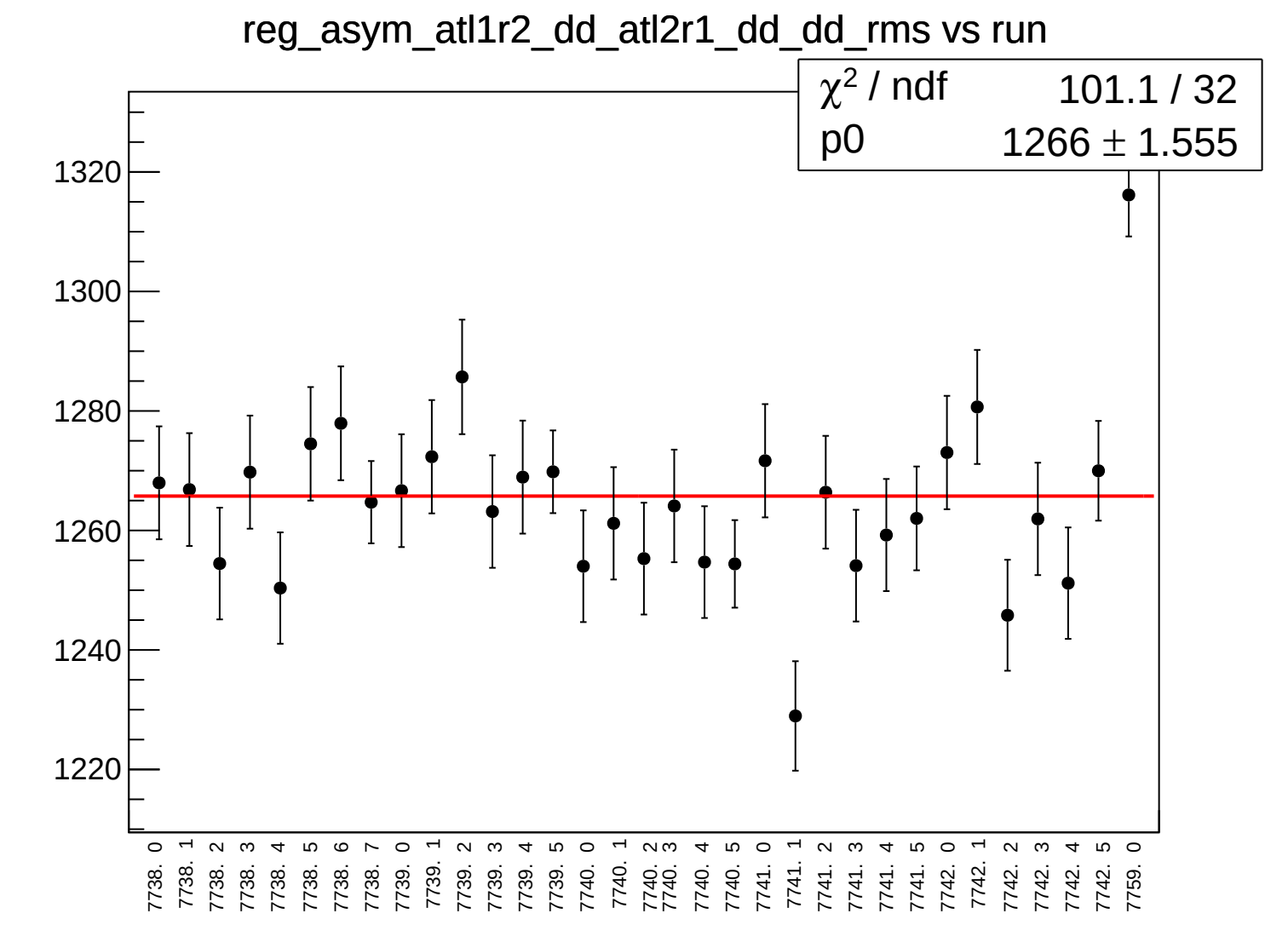

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

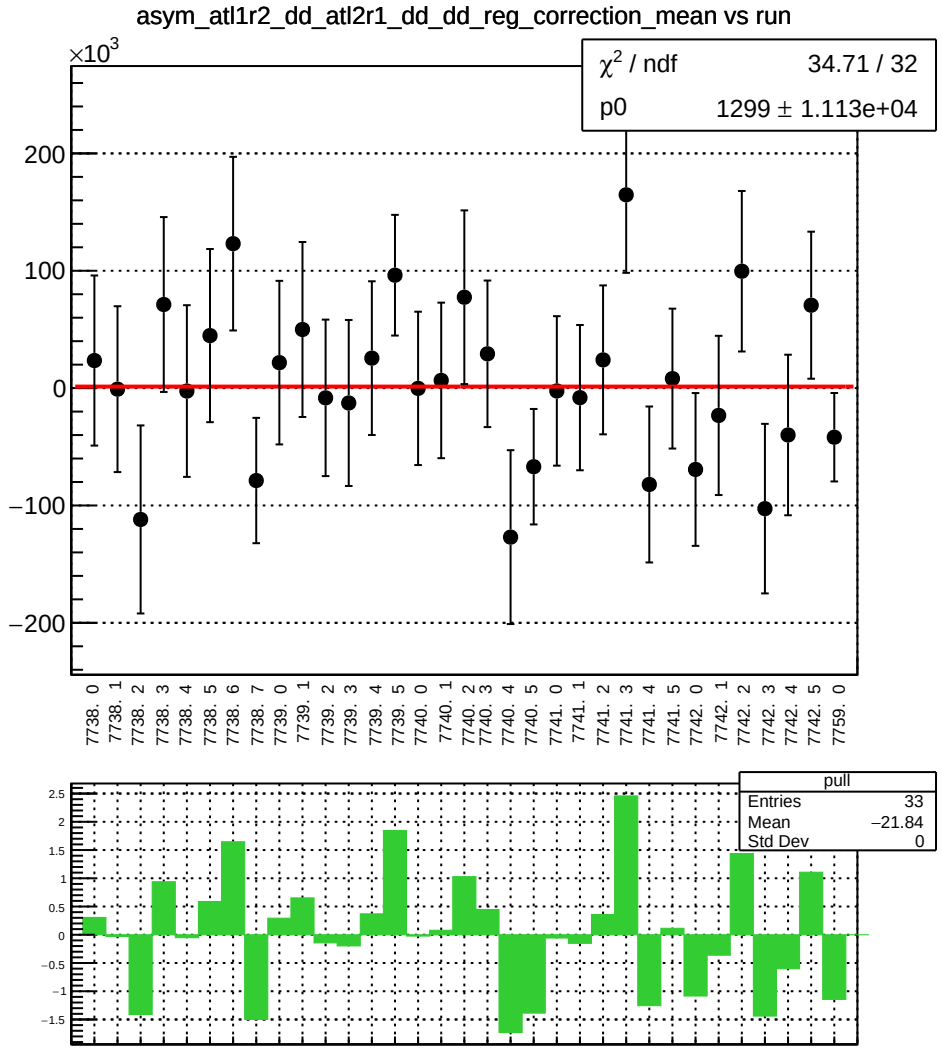

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 40.06 / 32
p0 1.273e−12 ± 8.584e−13
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −69.33
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.007541
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

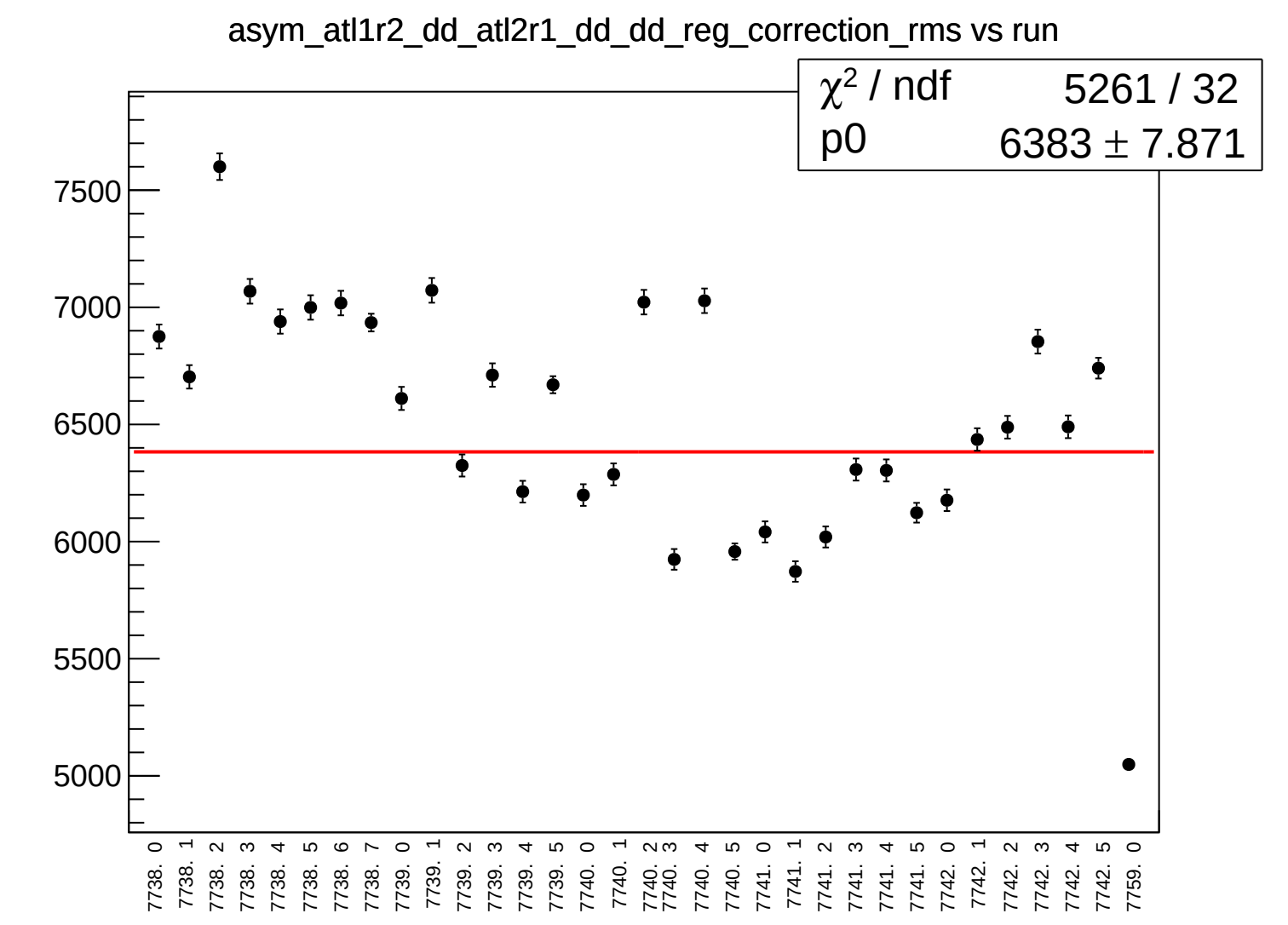

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.845e+05 / 32
p0 4.198e−10 ± 6.07e−13
3.5
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

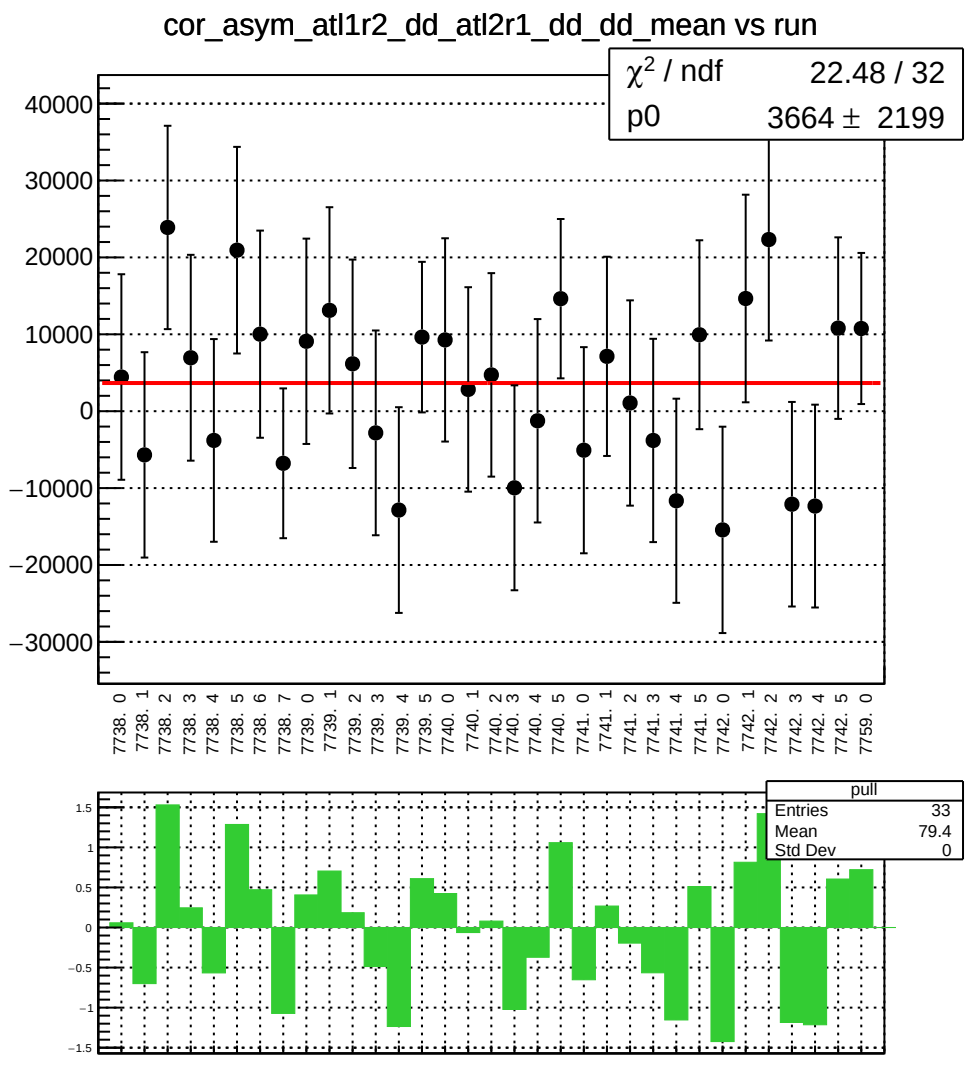

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

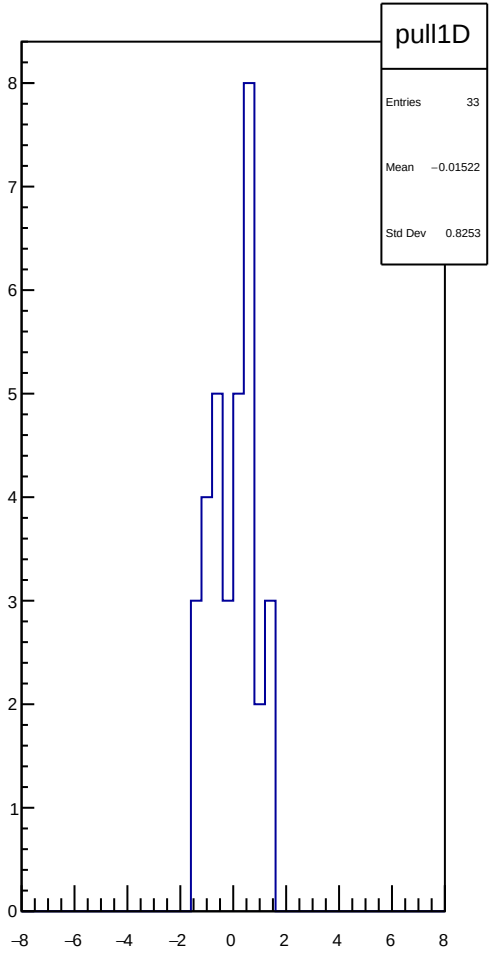

pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

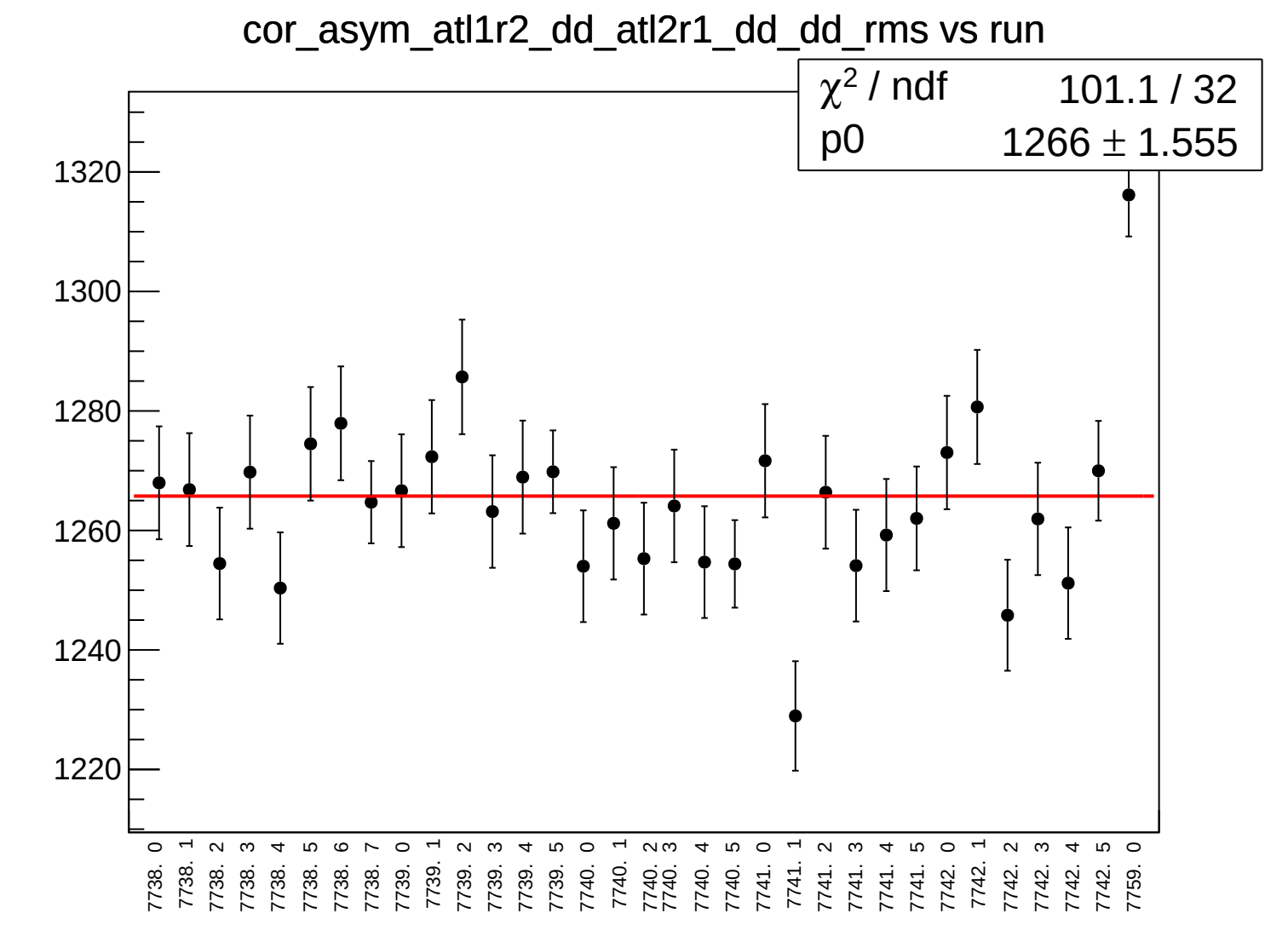

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

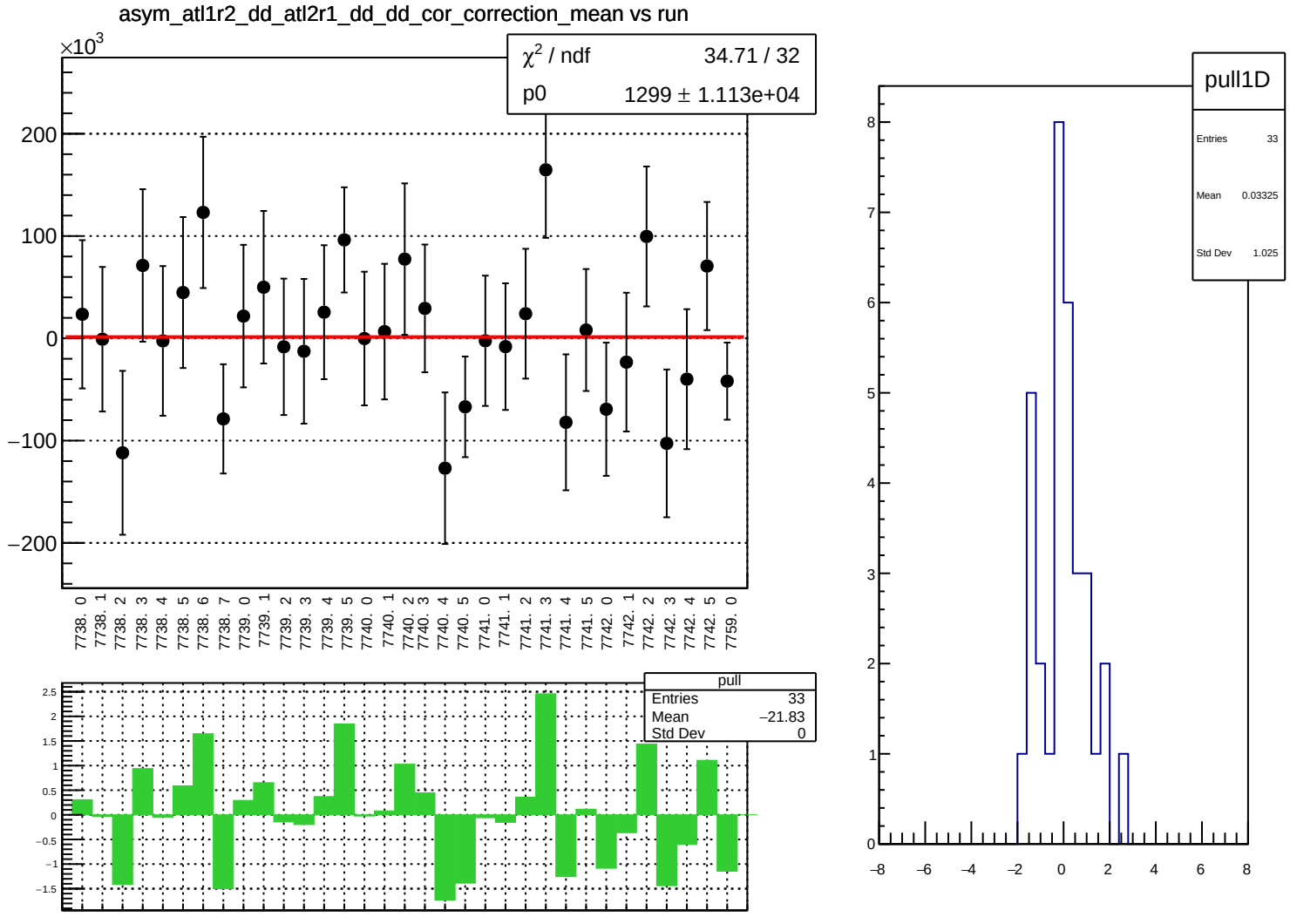

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.84
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

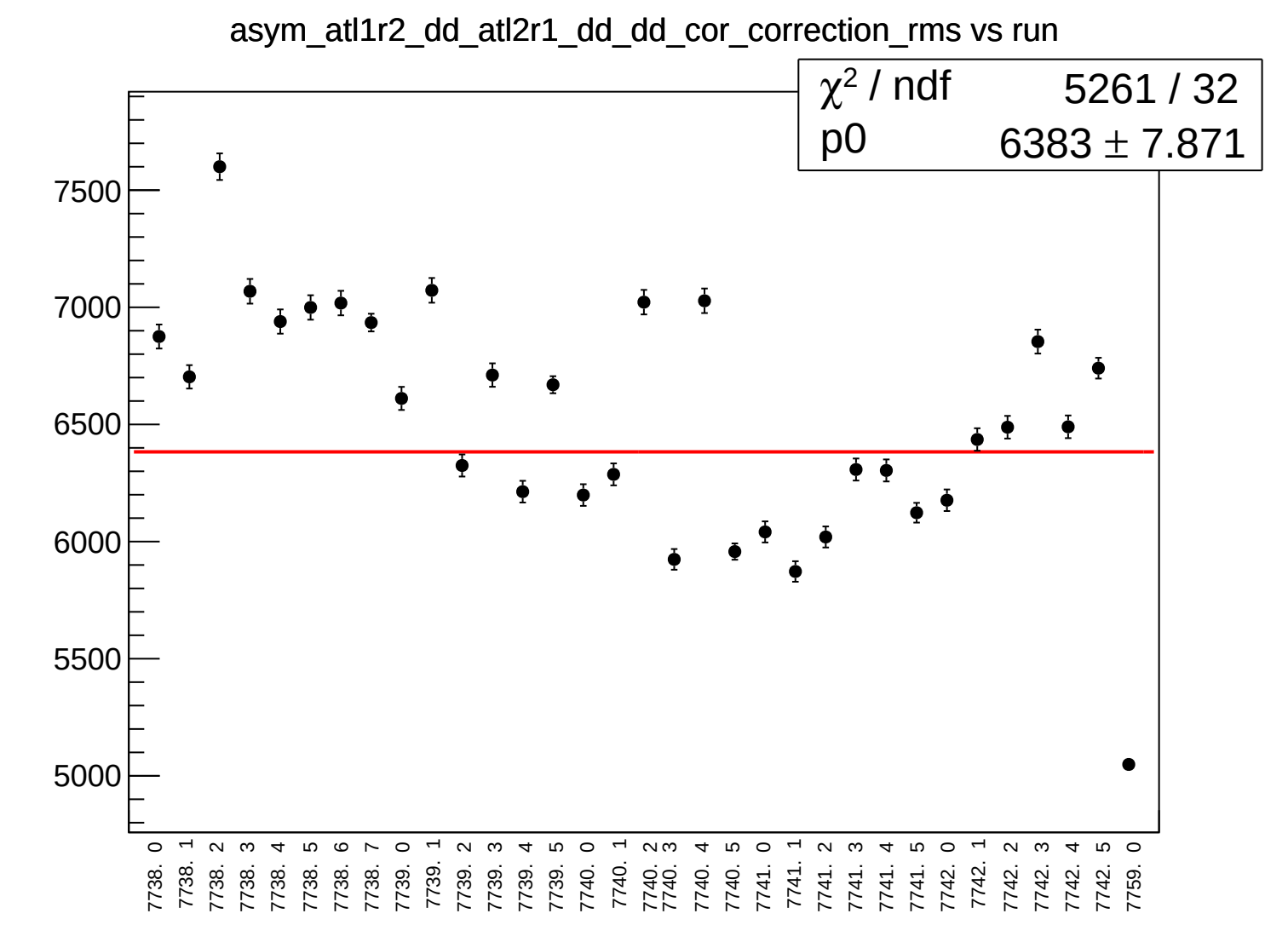

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

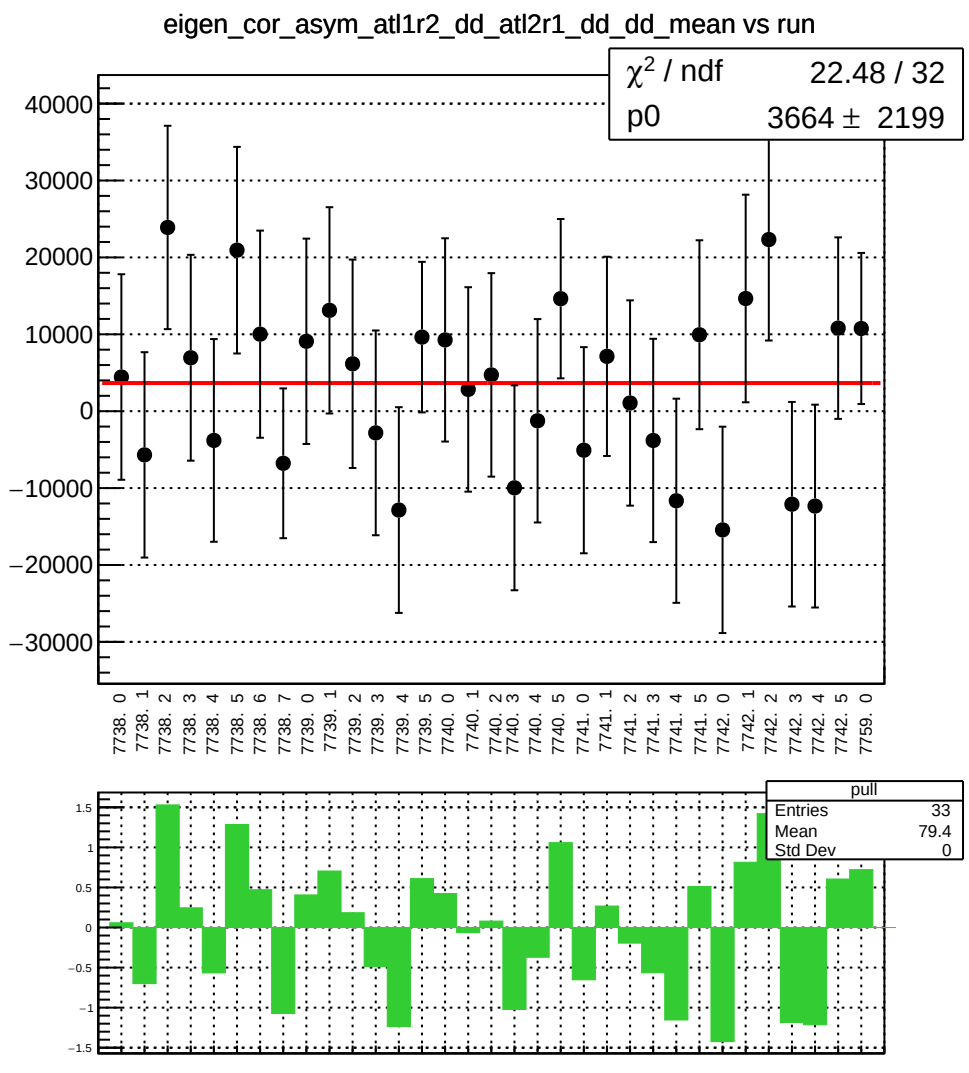

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

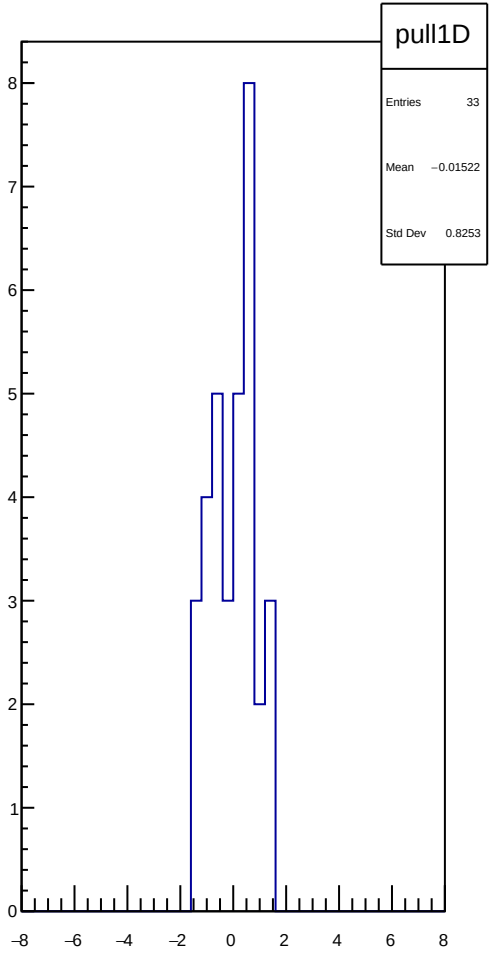

pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

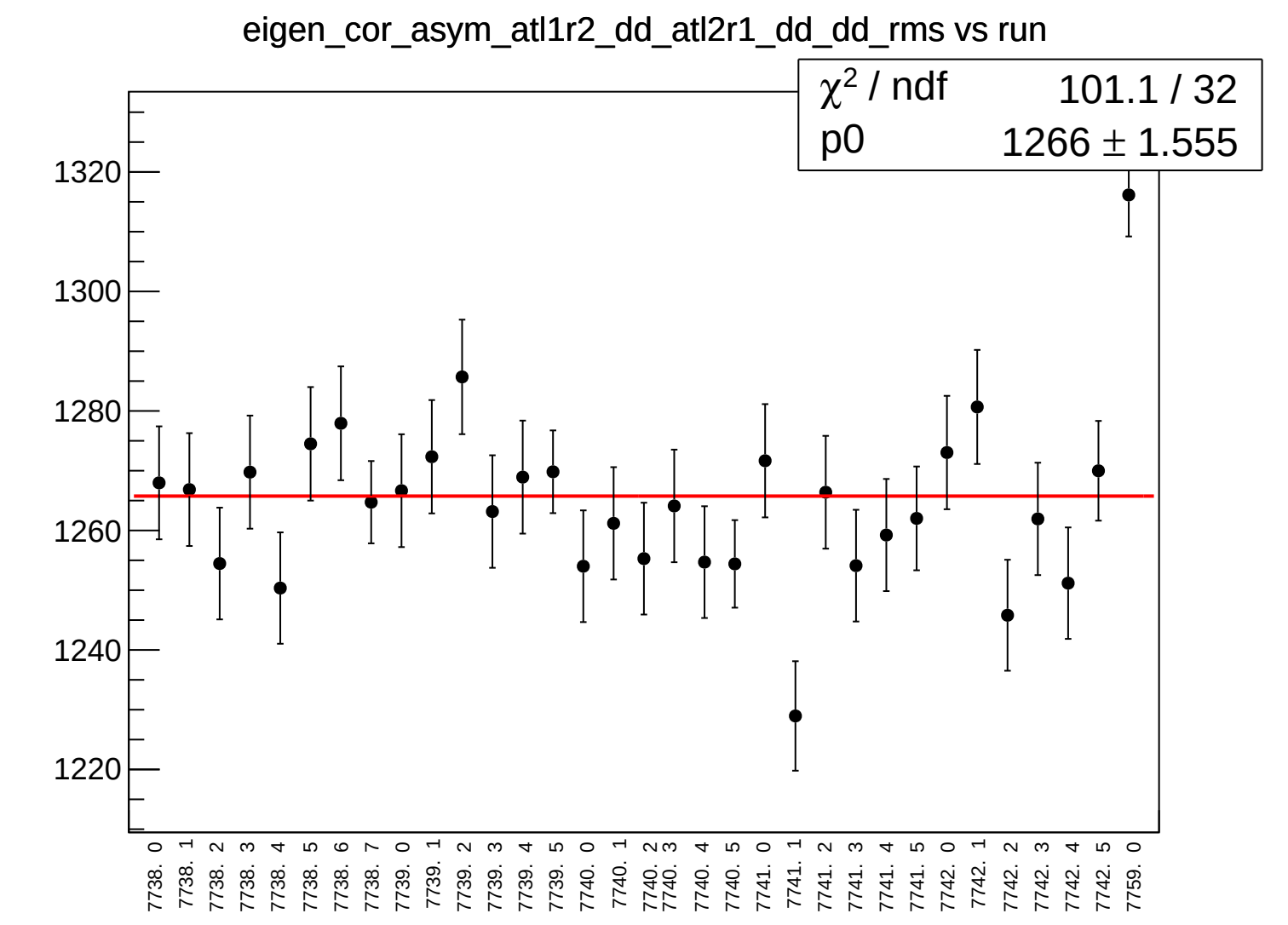

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

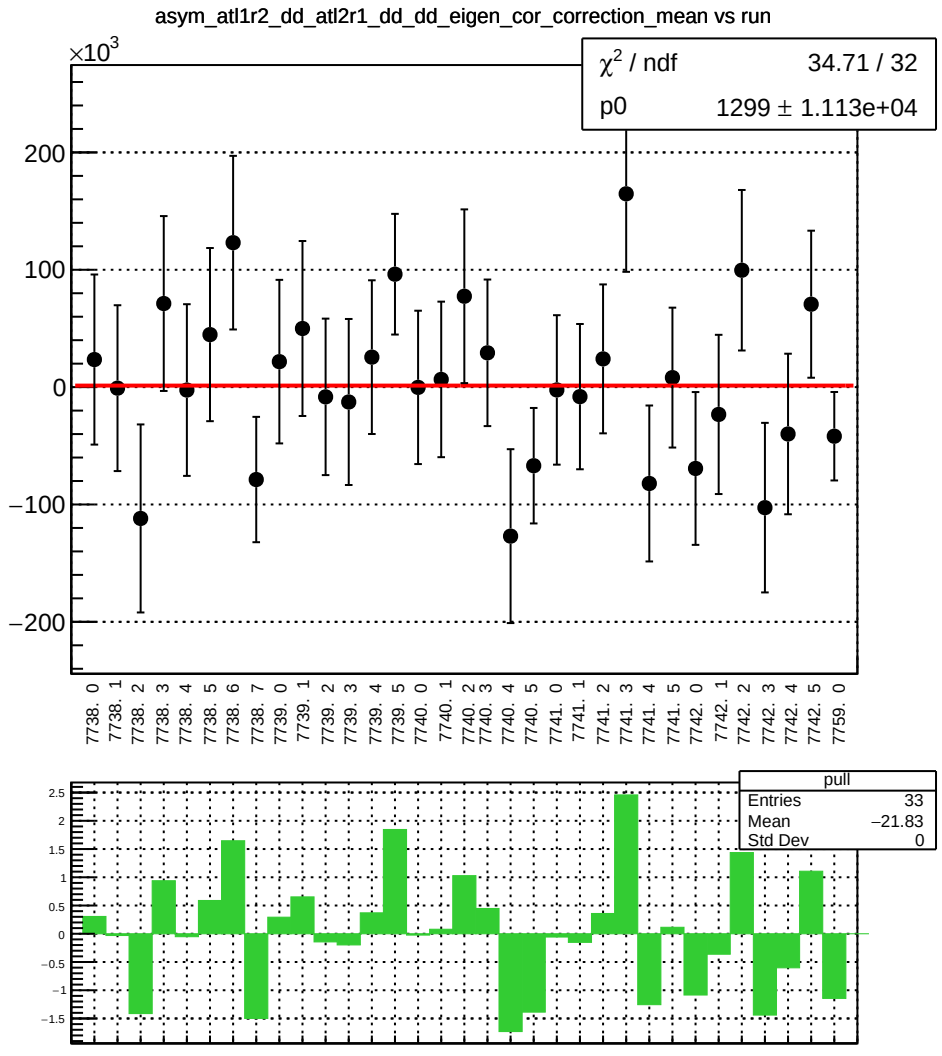

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

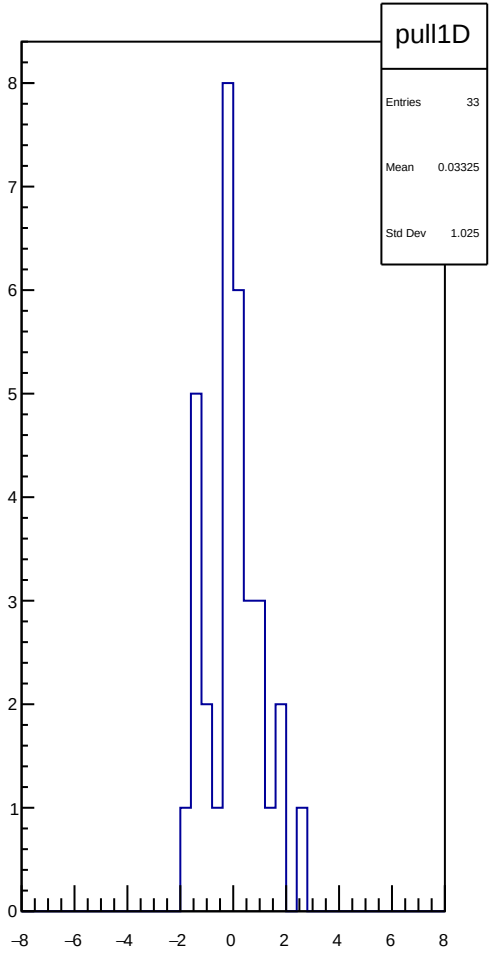

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

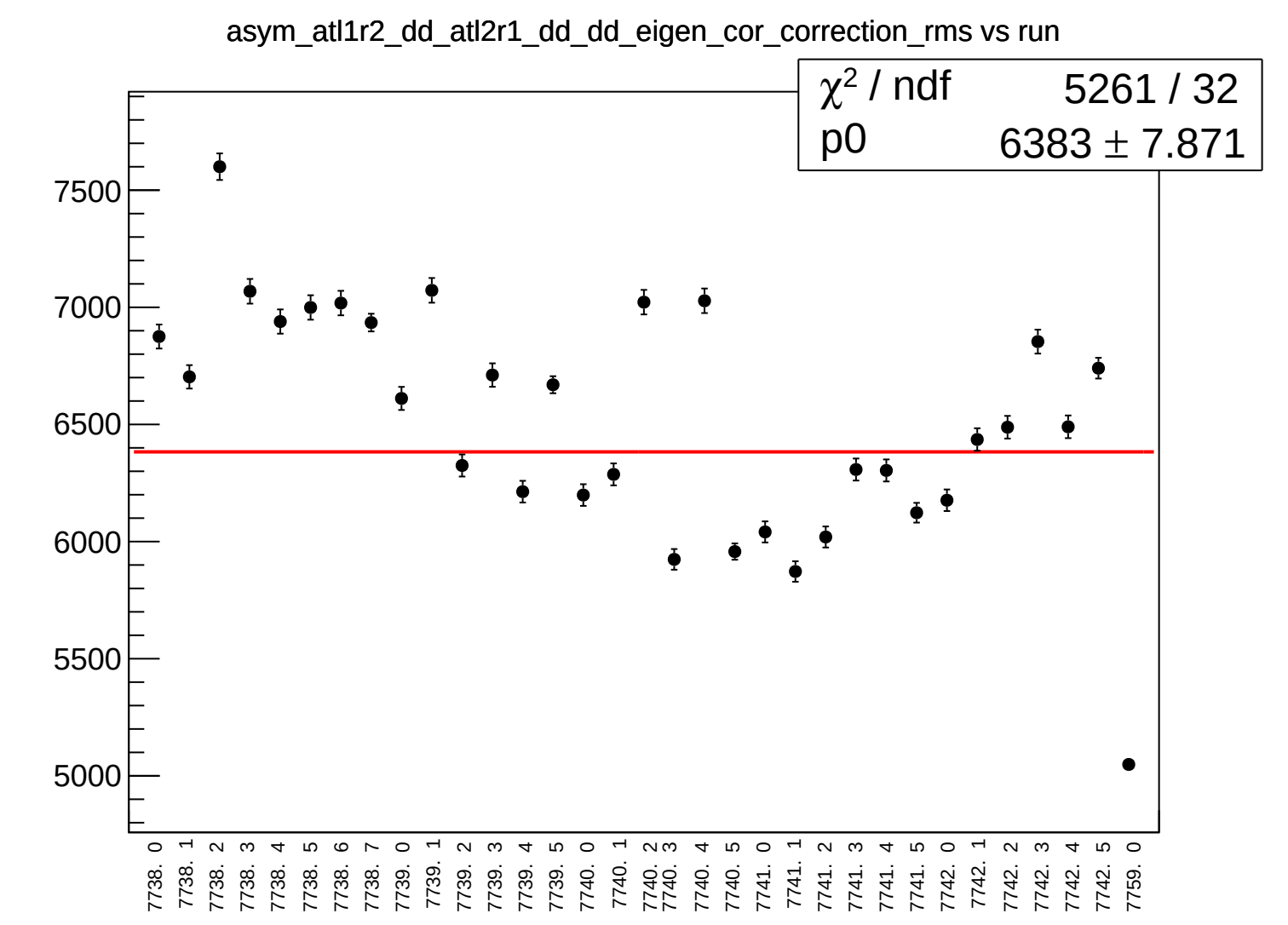

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 22.48 / 32
p0 3664 ± 2199
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

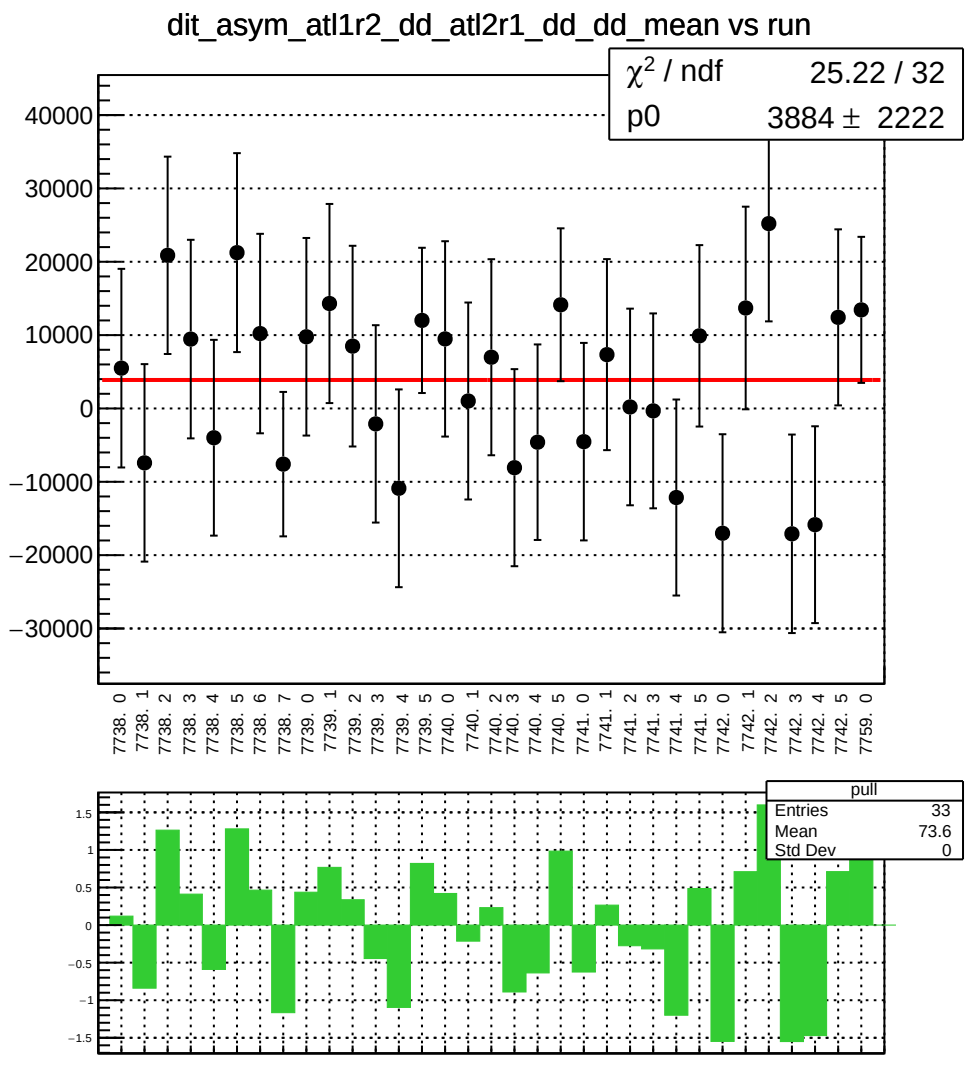

pull1D
Entries 33
Mean −0.01522
Std Dev 0.8253
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

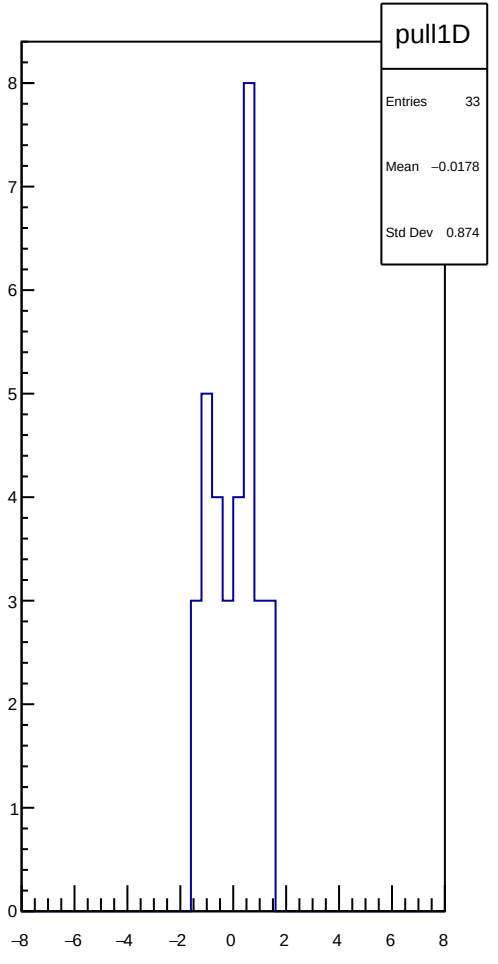

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 101.1 / 32
p0 1266 ± 1.555
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

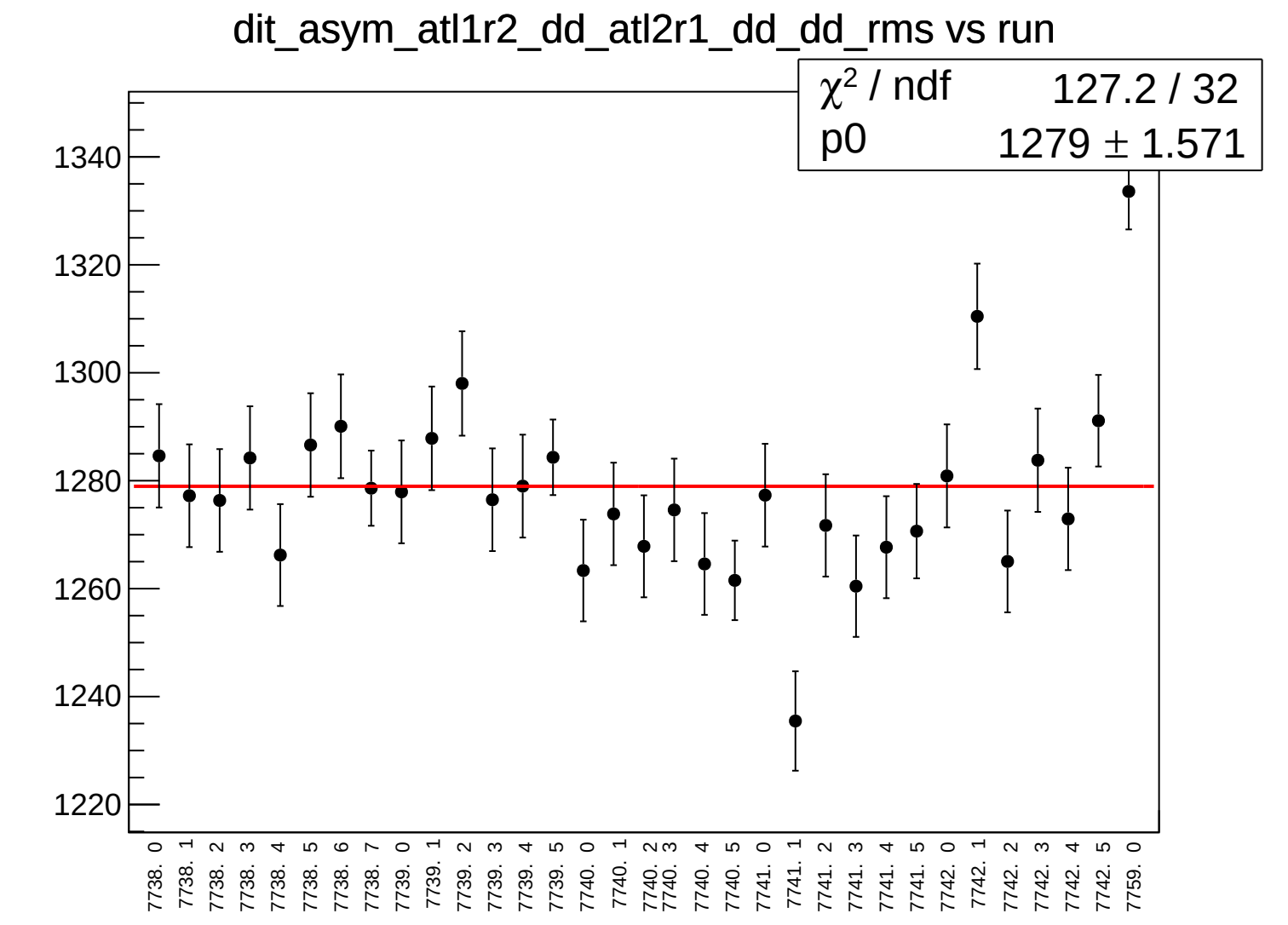

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 1299 ± 1.113e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

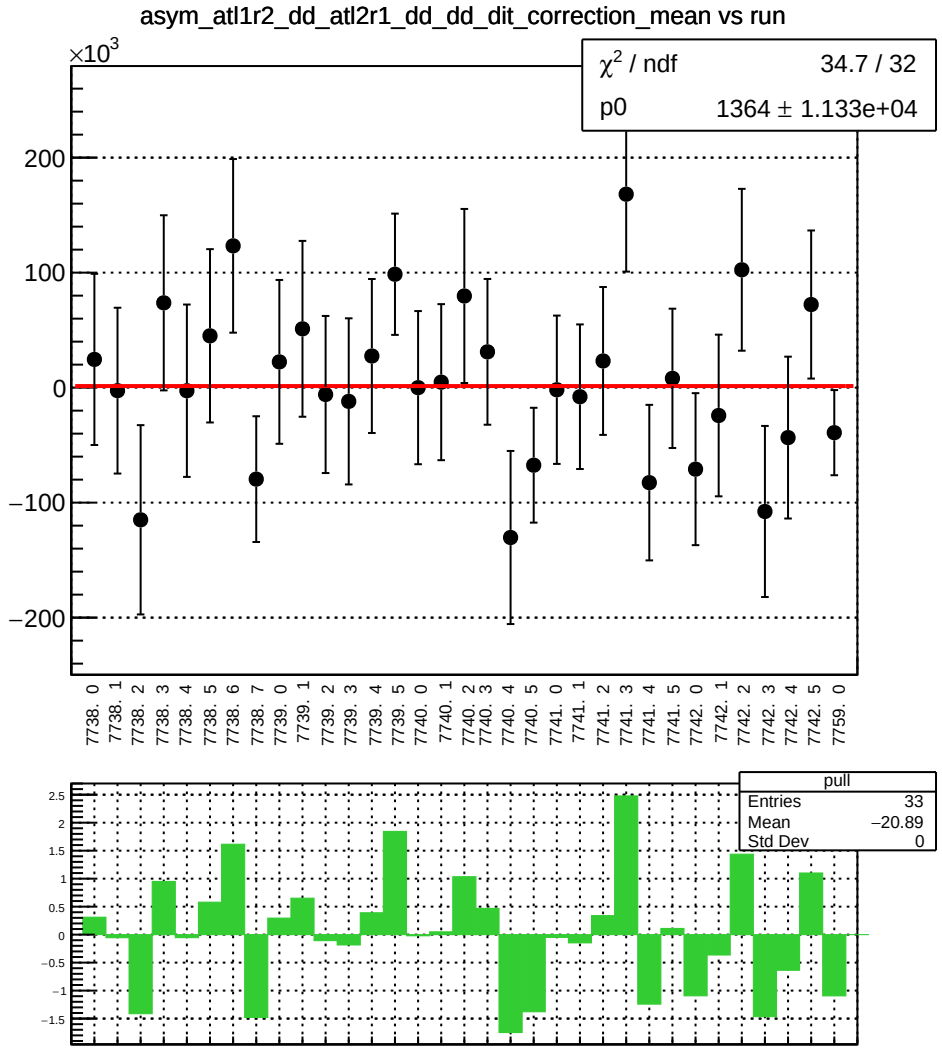

pull1D
Entries 33
Mean 0.03325
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

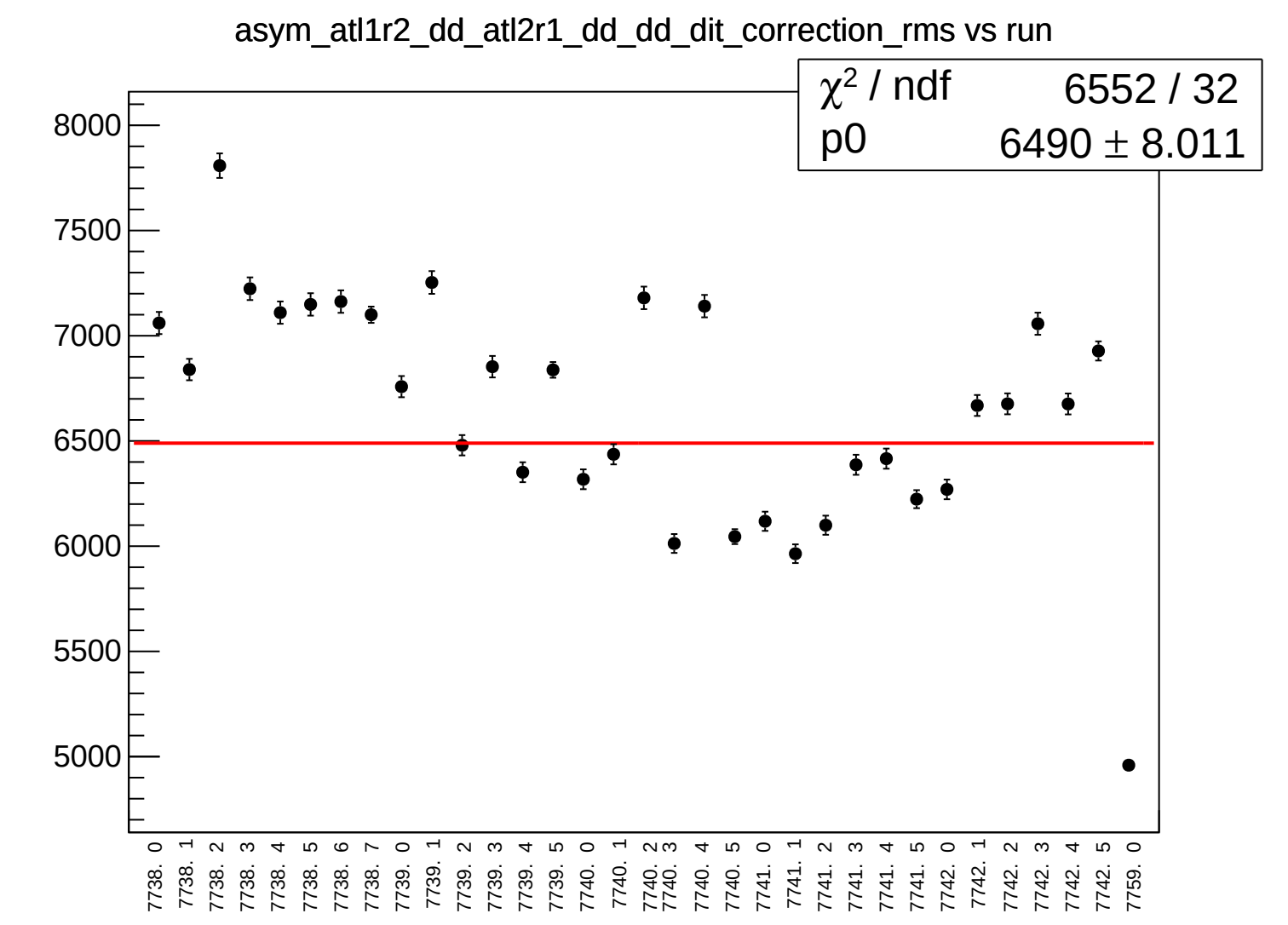

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5261 / 32
p0 6383 ± 7.871
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

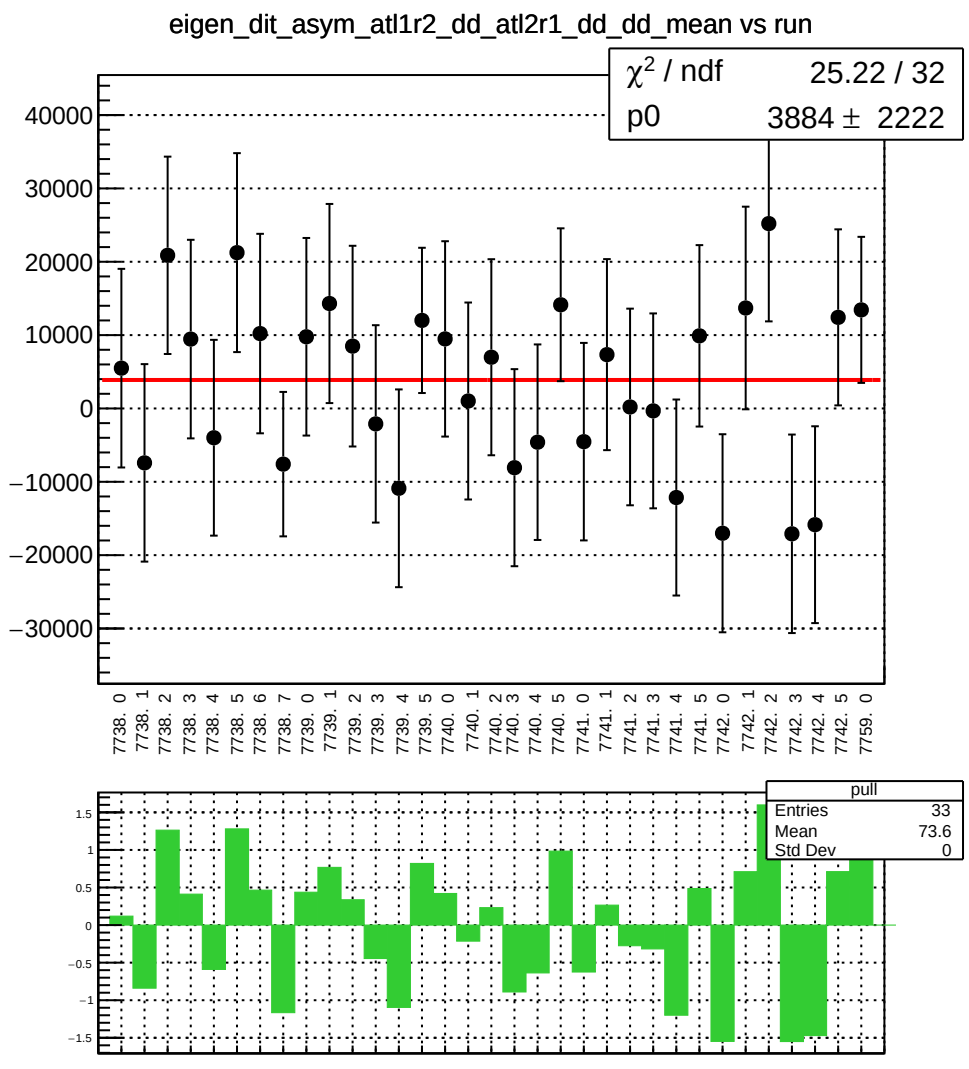

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 25.22 / 32
p0 3884 ± 2222
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

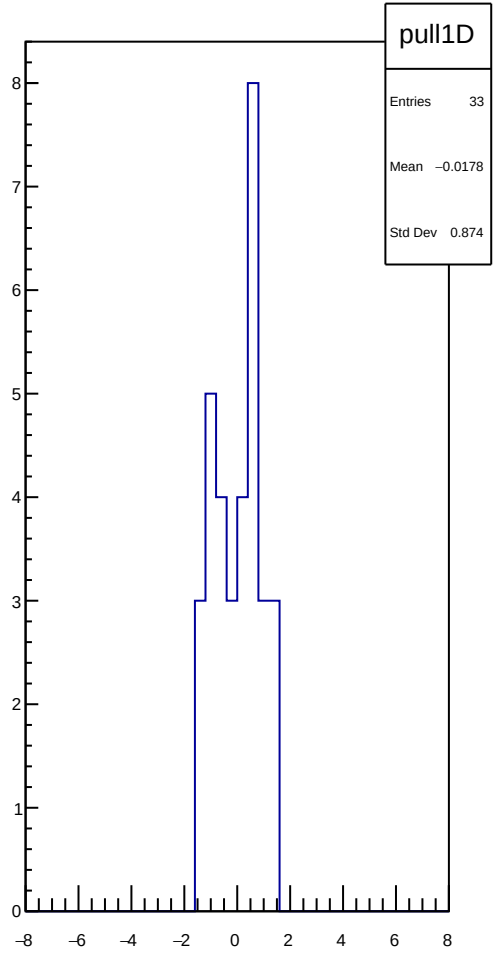

pull1D
Entries 33
Mean −0.0178
Std Dev 0.874
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

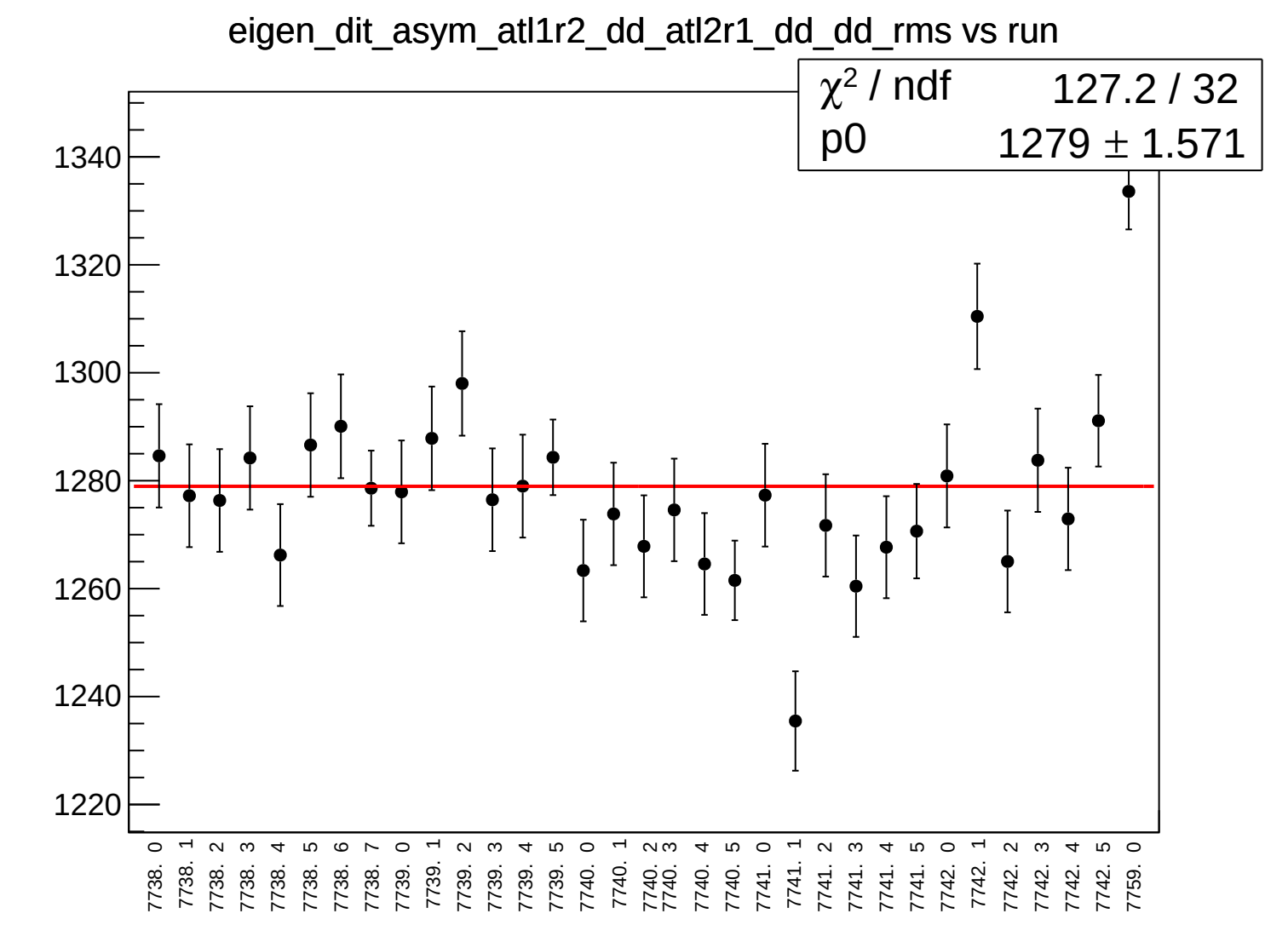

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 127.2 / 32
p0 1279 ± 1.571
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

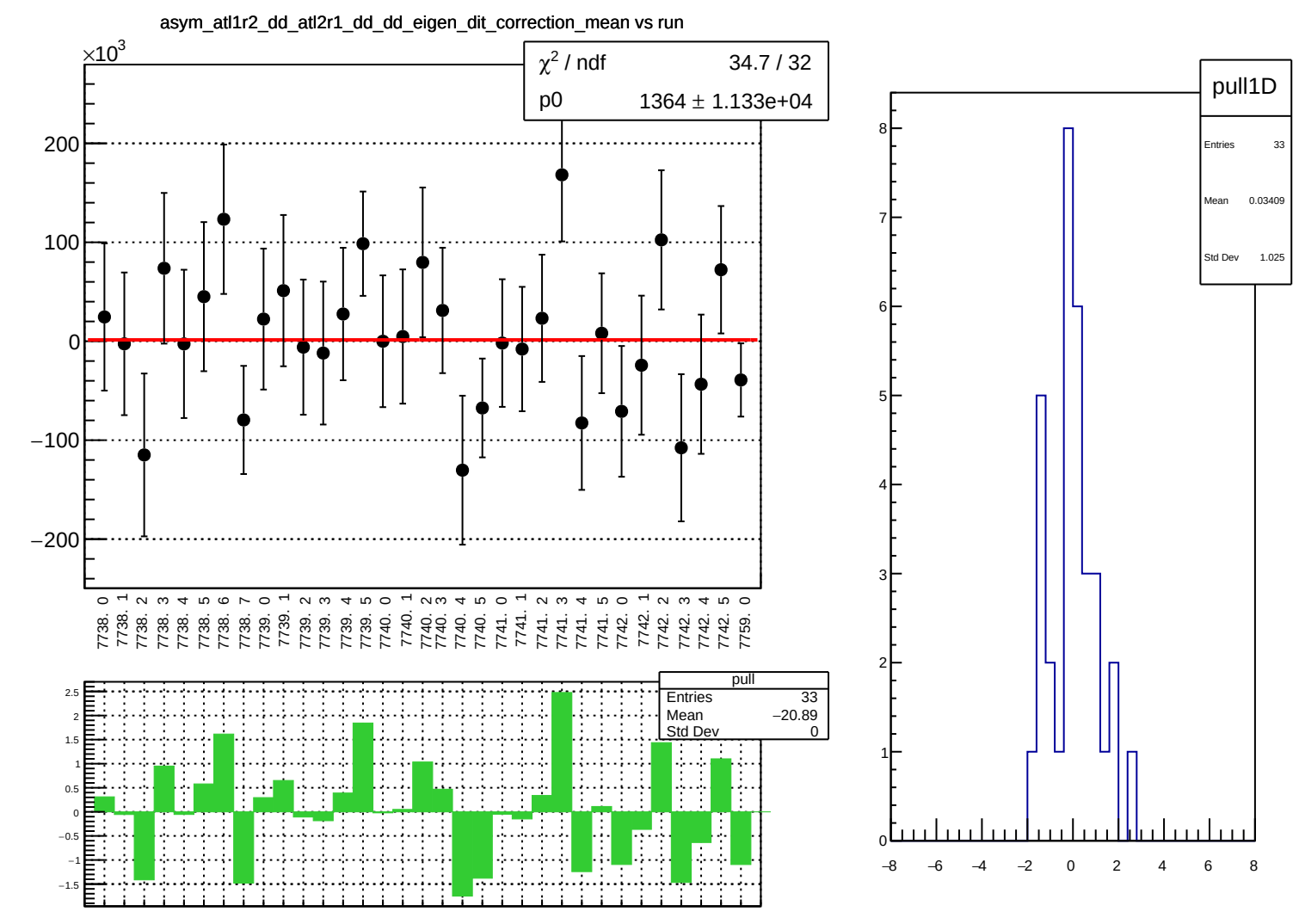

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.7 / 32
p0 1364 ± 1.133e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.89
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03409
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

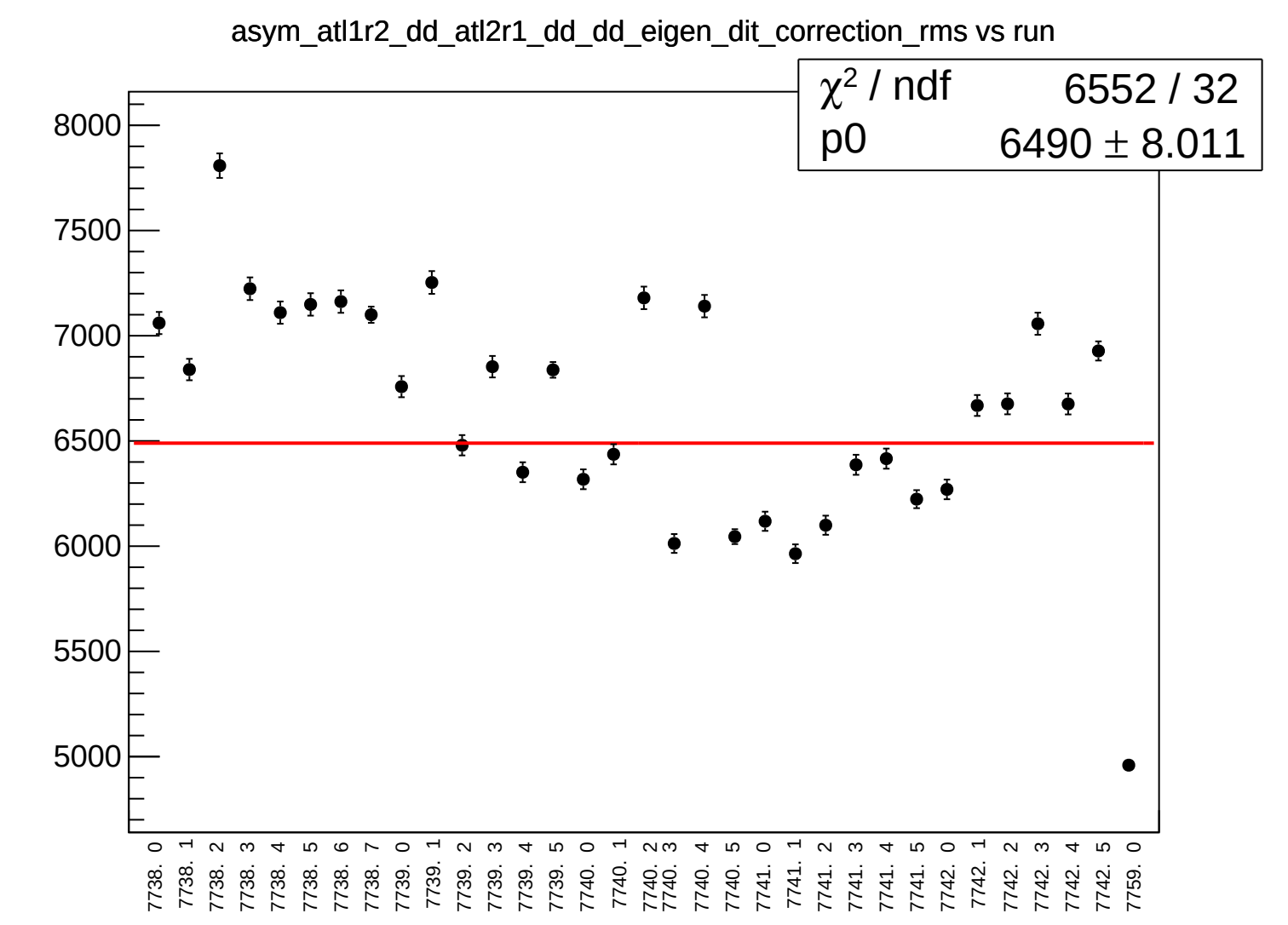

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 6552 / 32
p0 6490 ± 8.011
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

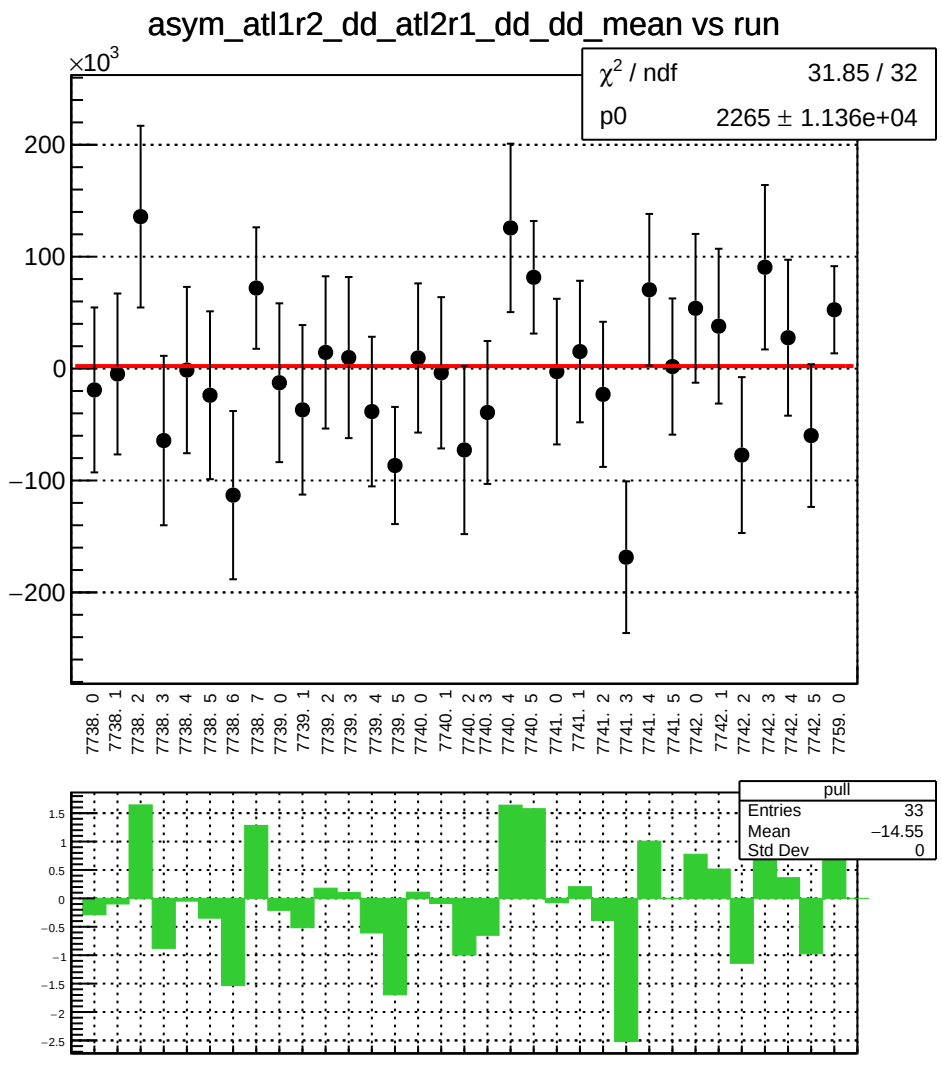

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 25.22 / 32
p0 3884 ± 2222
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

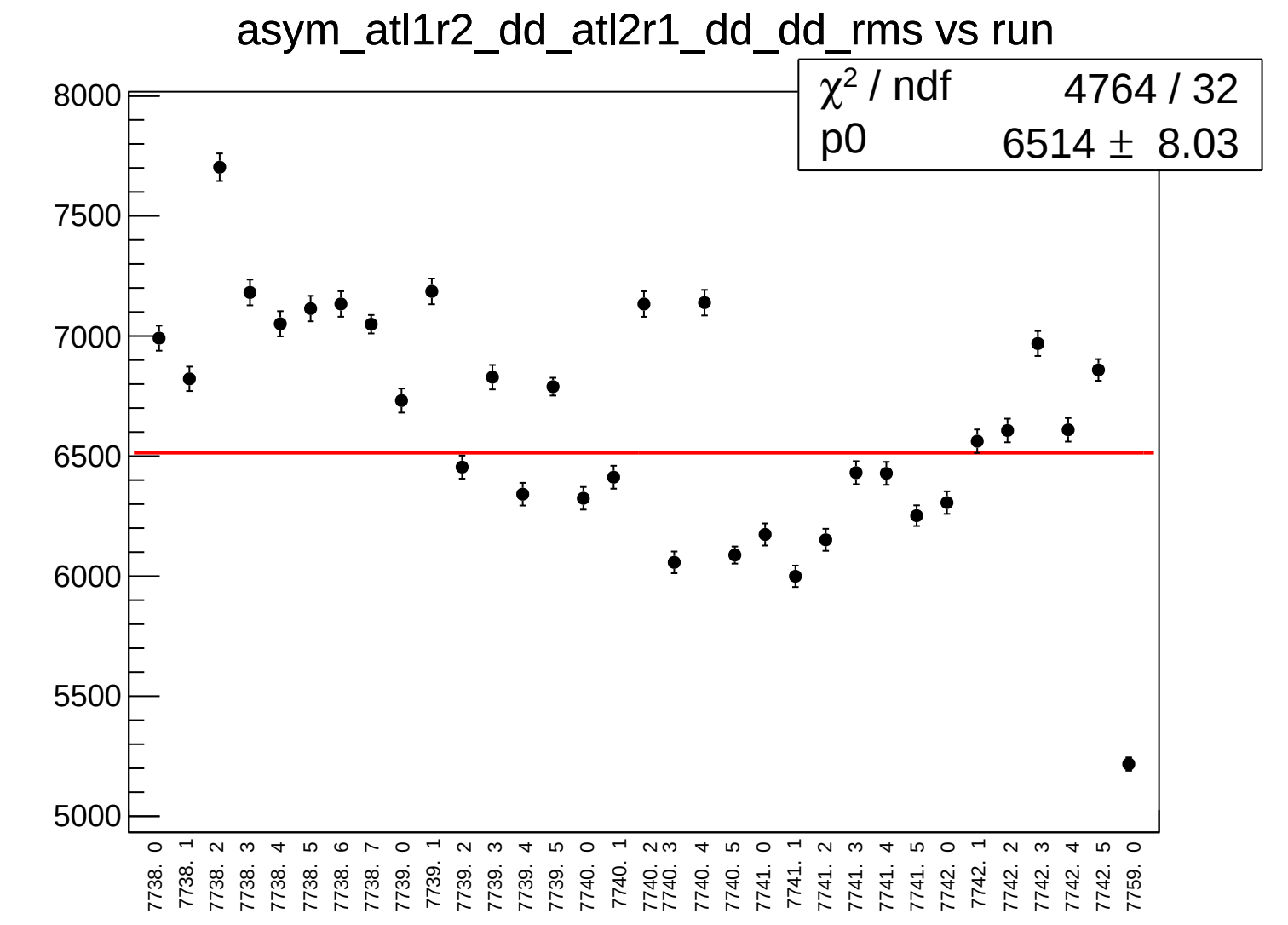

pull1D
Entries 33
Mean −0.0178
Std Dev 0.874
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

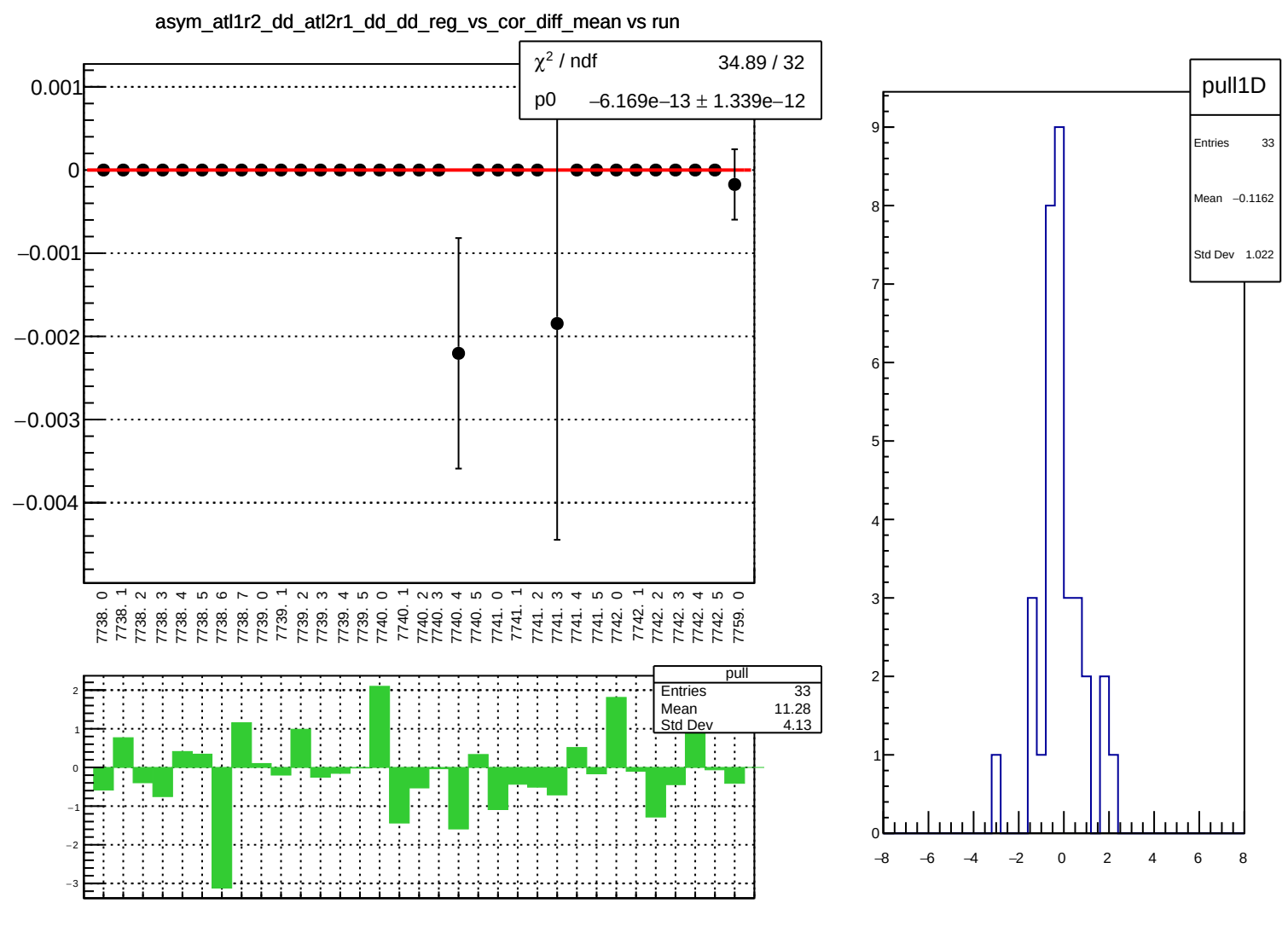

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 127.2 / 32
p0 1279 ± 1.571
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

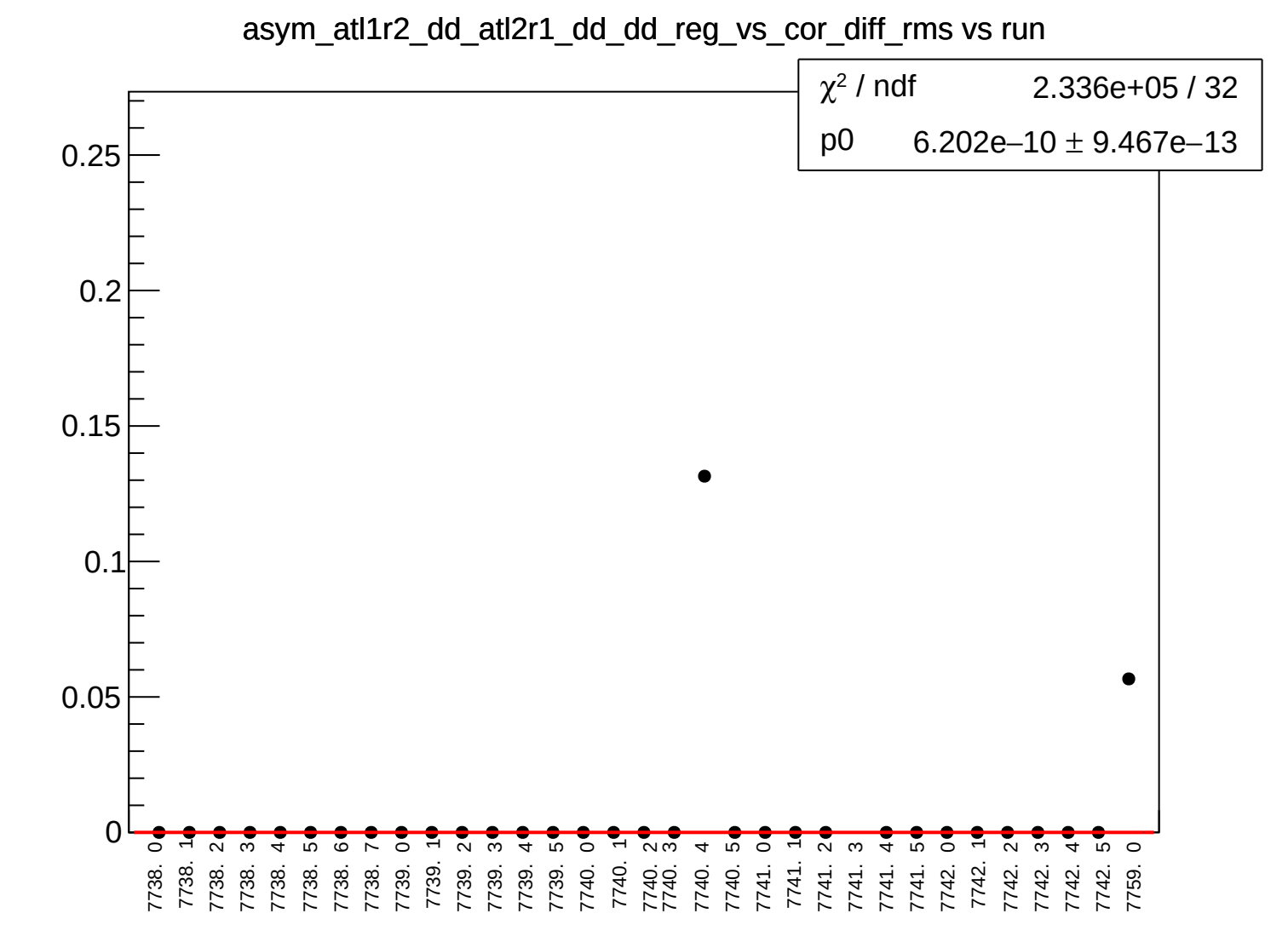

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.7 / 32
p0 1364 ± 1.133e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.89
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03409
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

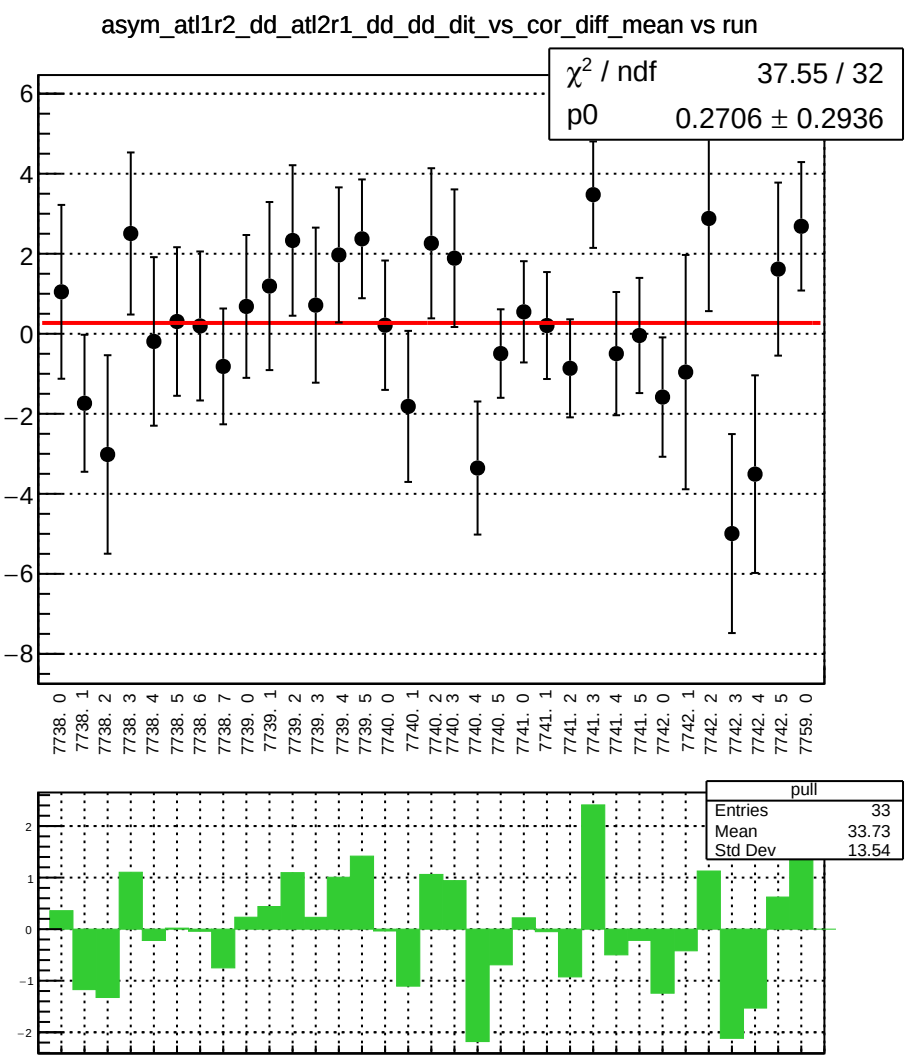

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 6552 / 32
p0 6490 ± 8.011
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

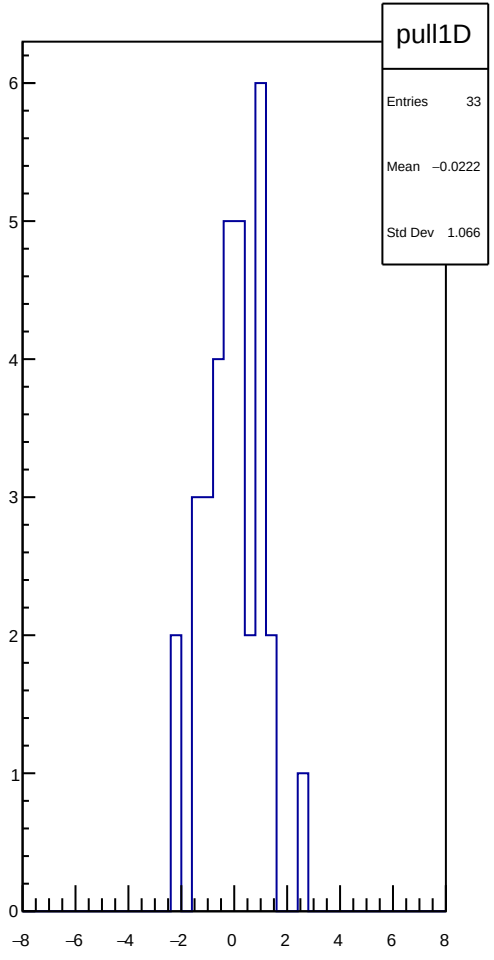

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 31.85 / 32
p0 2265 ± 1.136e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03551
Std Dev 0.9818
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

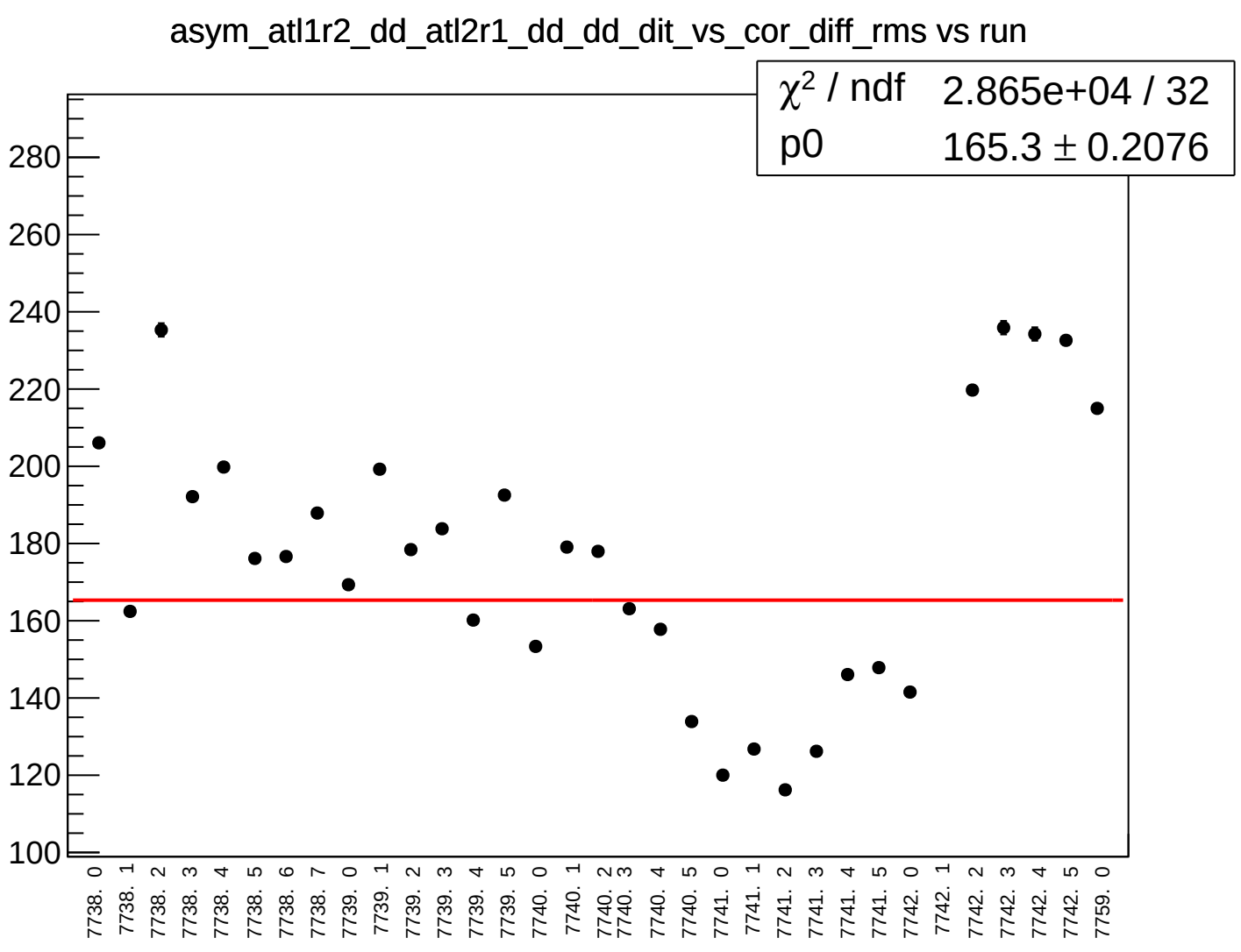

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 4764 / 32
p0 6514 ± 8.03
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

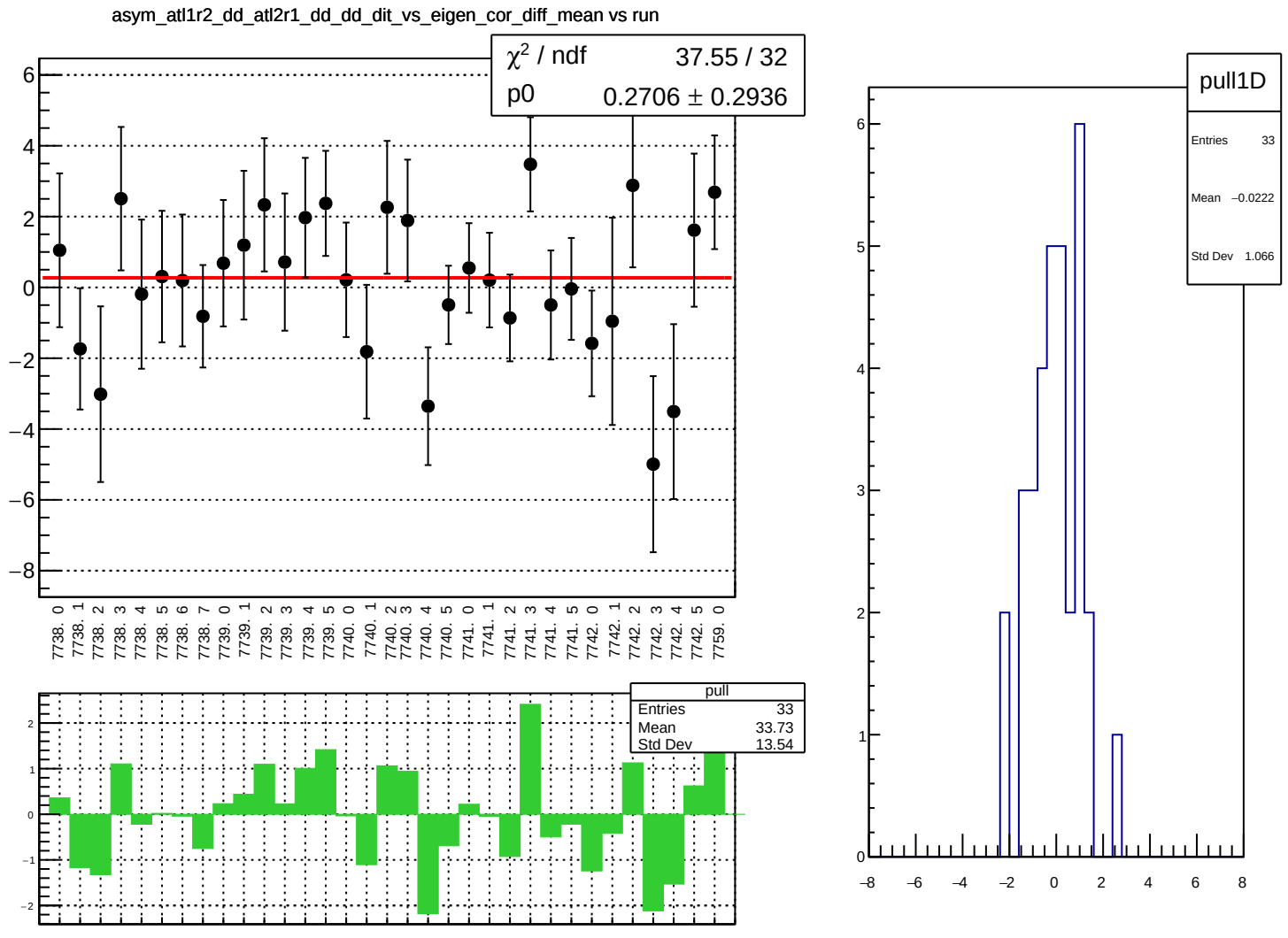

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.89 / 32
p0 −6.169e−13 ± 1.339e−12
0.001
0
−0.001
−0.002
−0.003
−0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 11.28
Std Dev 4.13
pull1D
Entries 33
Mean −0.1162
Std Dev 1.022

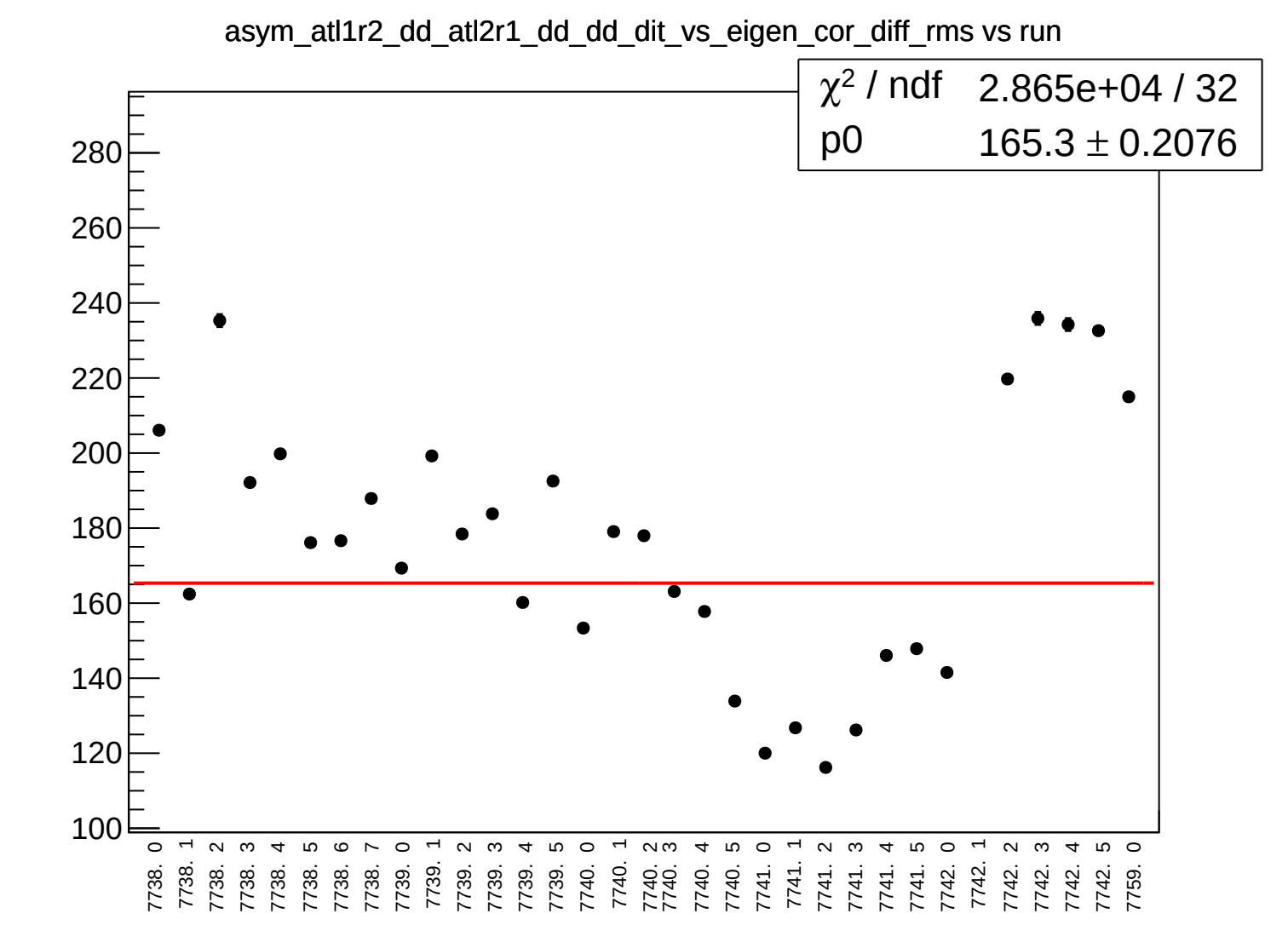

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.336e+05 / 32
p0 6.202e−10 ± 9.467e−13
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.54
2
1
0
−1
−2


pull1D
Entries 33
Mean −0.0222
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.54
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0222
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
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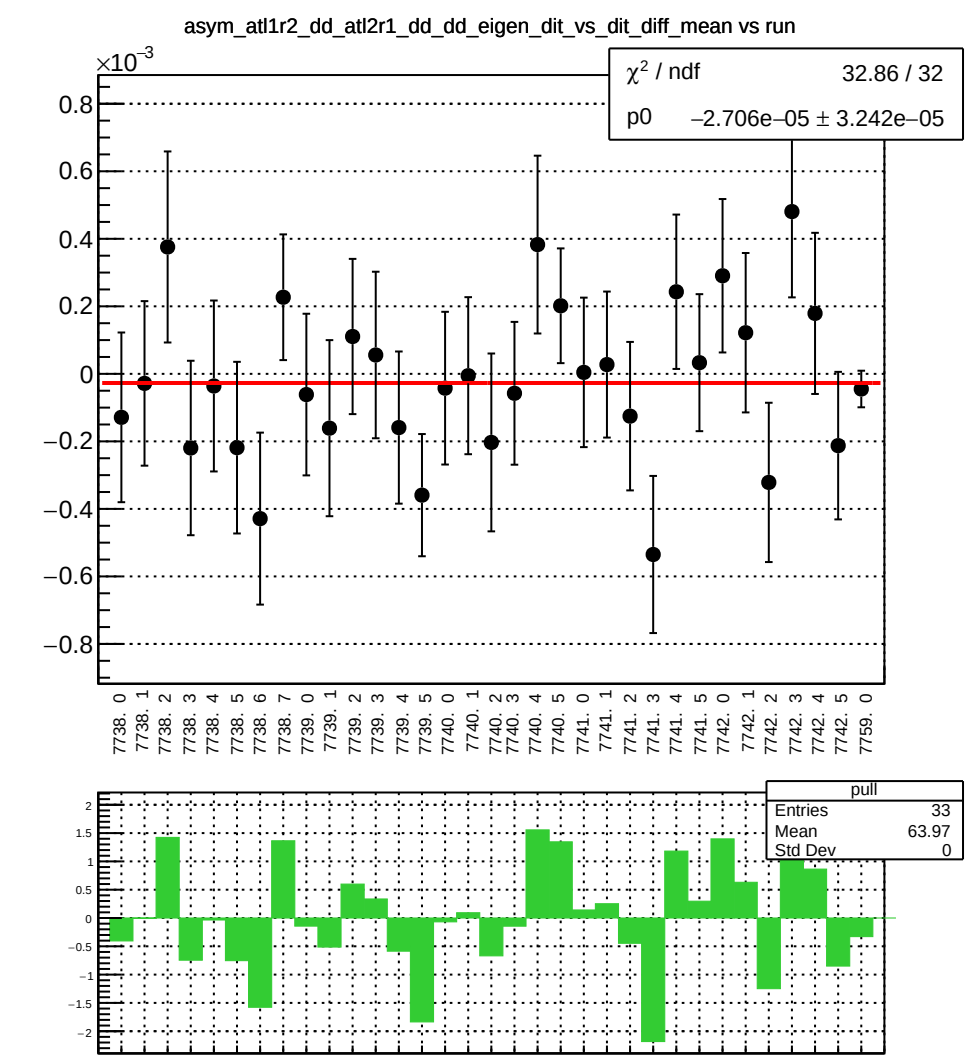
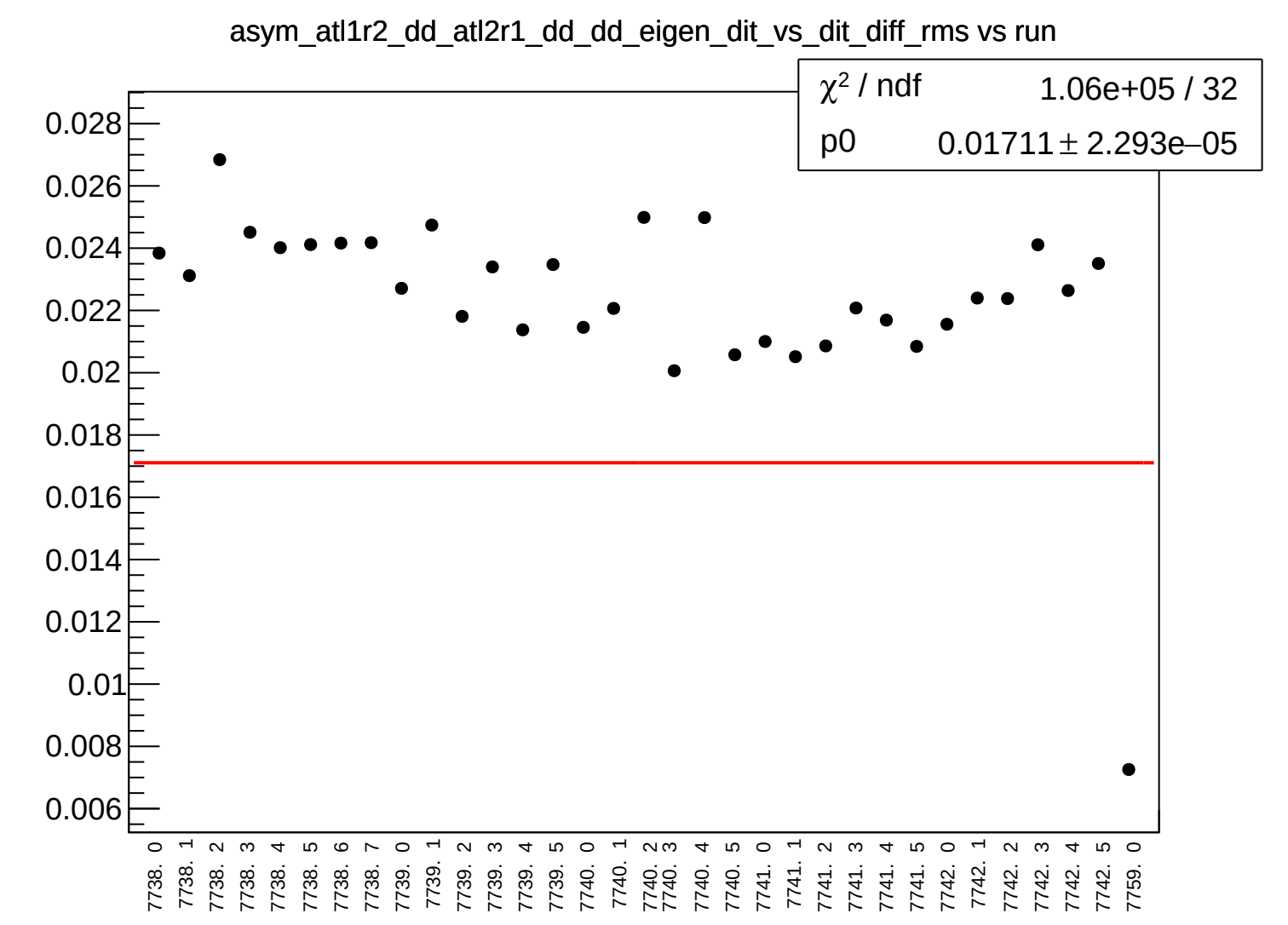
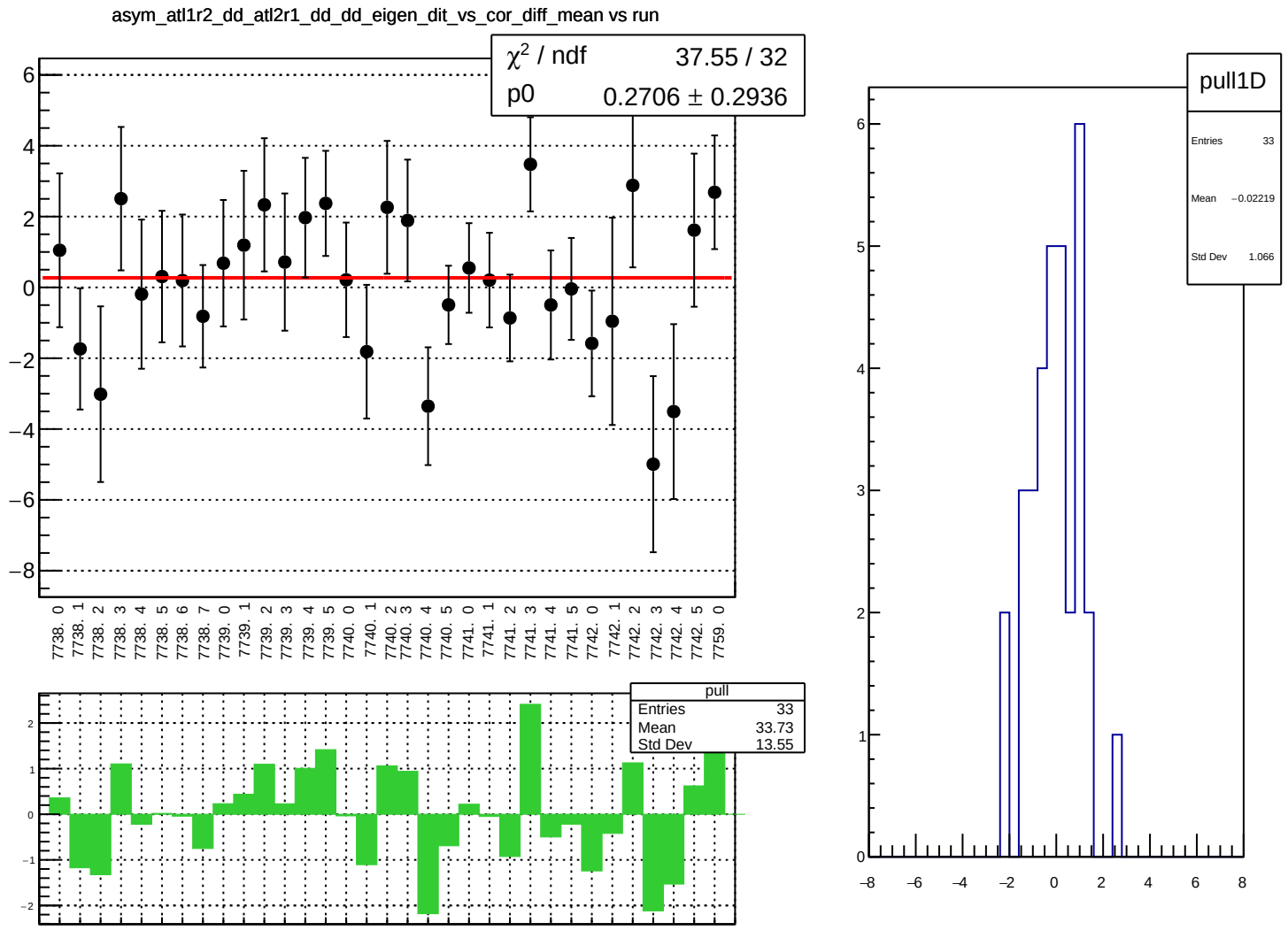
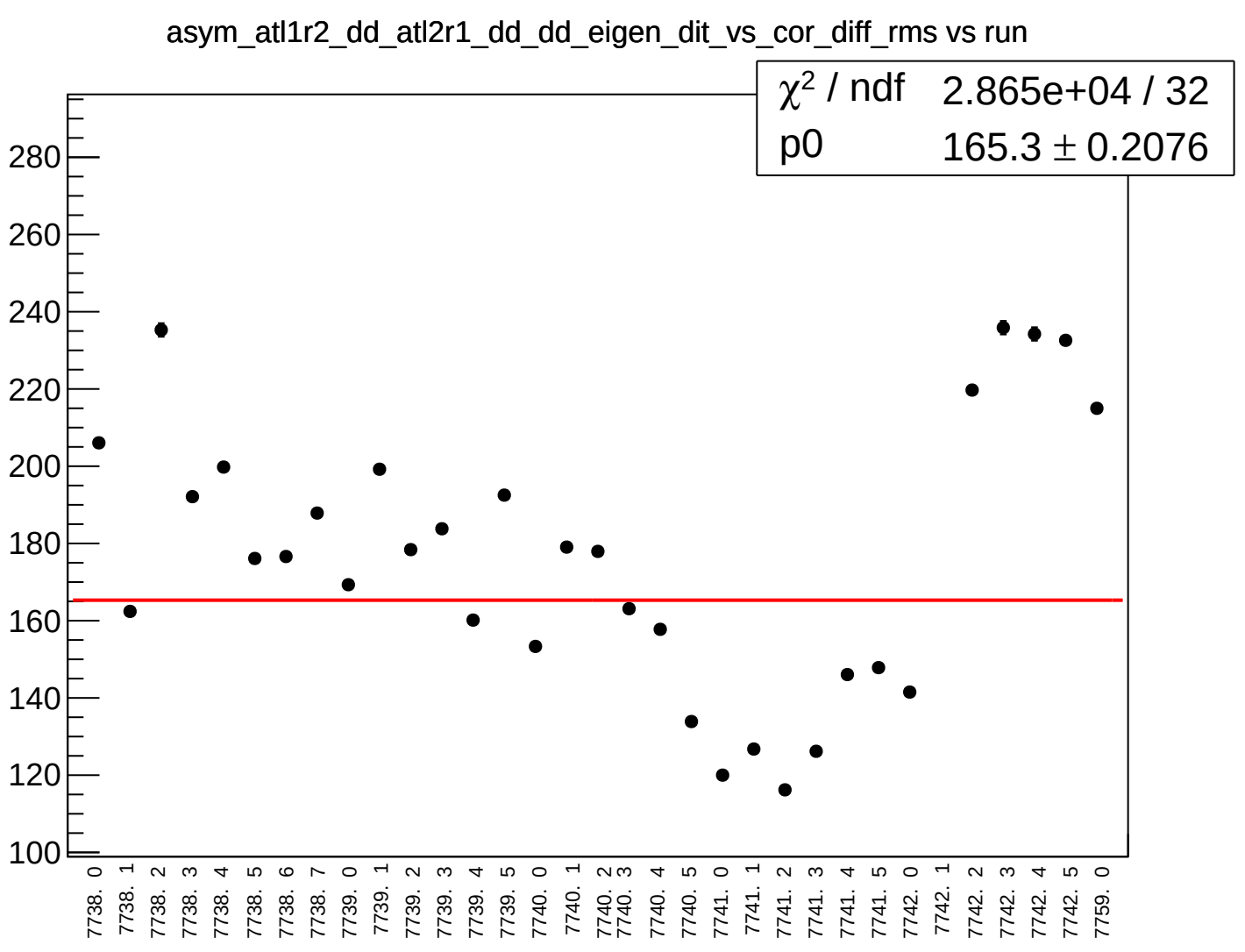
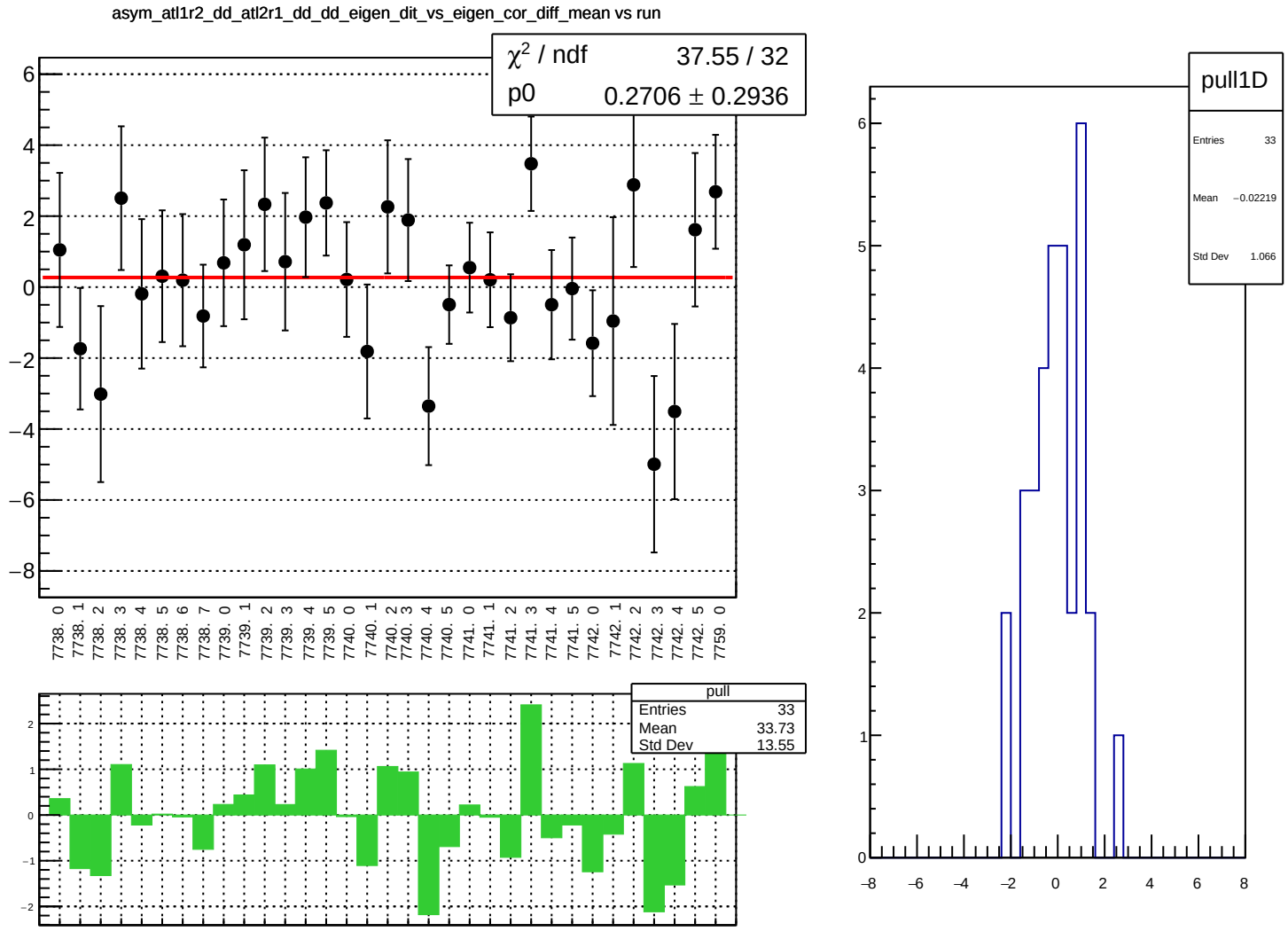
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

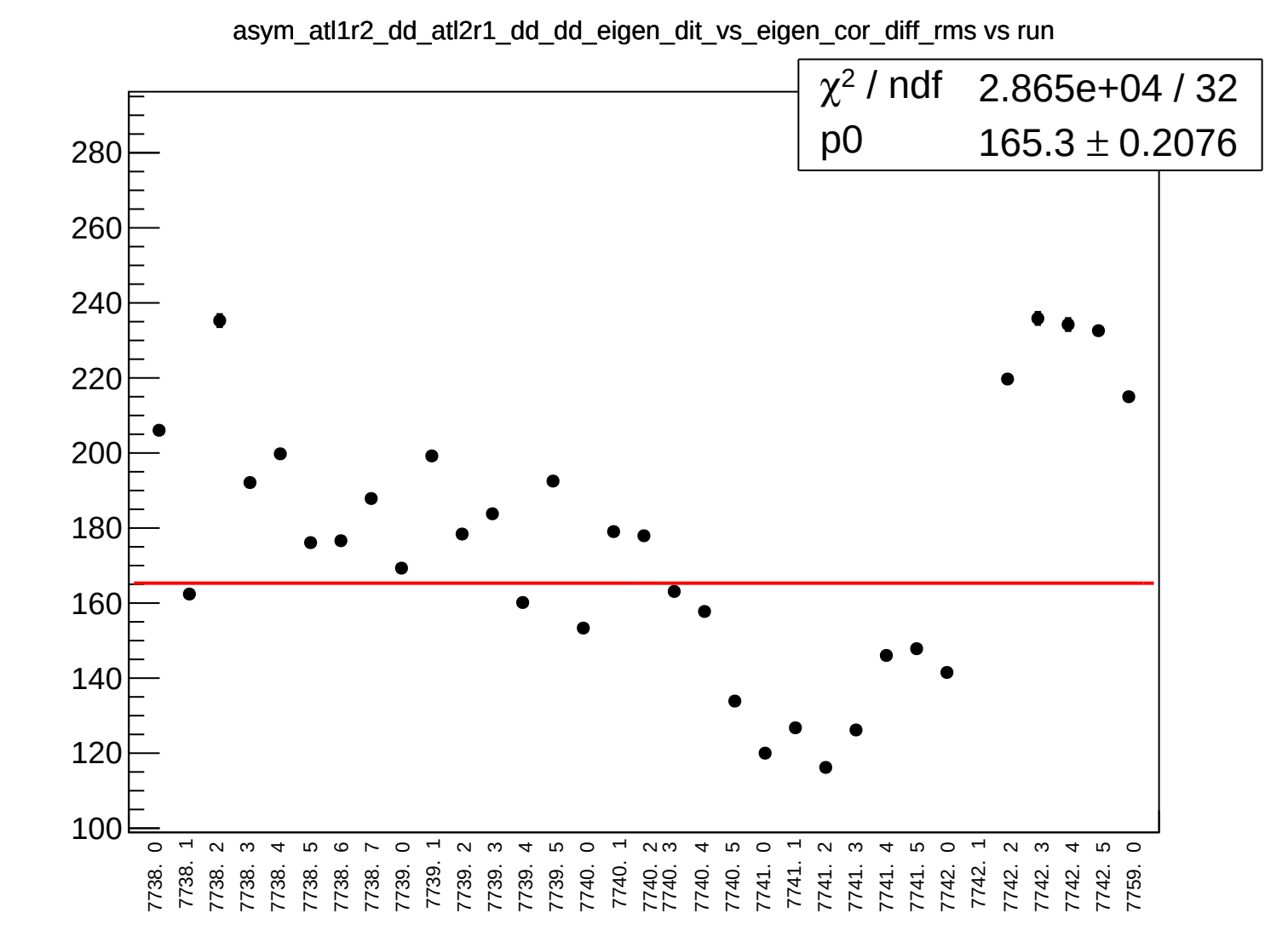

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.86 / 32
p0 −2.706e−05 ± 3.242e−05
pull
Entries 33
Mean 63.97
Std Dev 0
pull1D
Entries 33
Mean 0.02865
Std Dev 0.9974

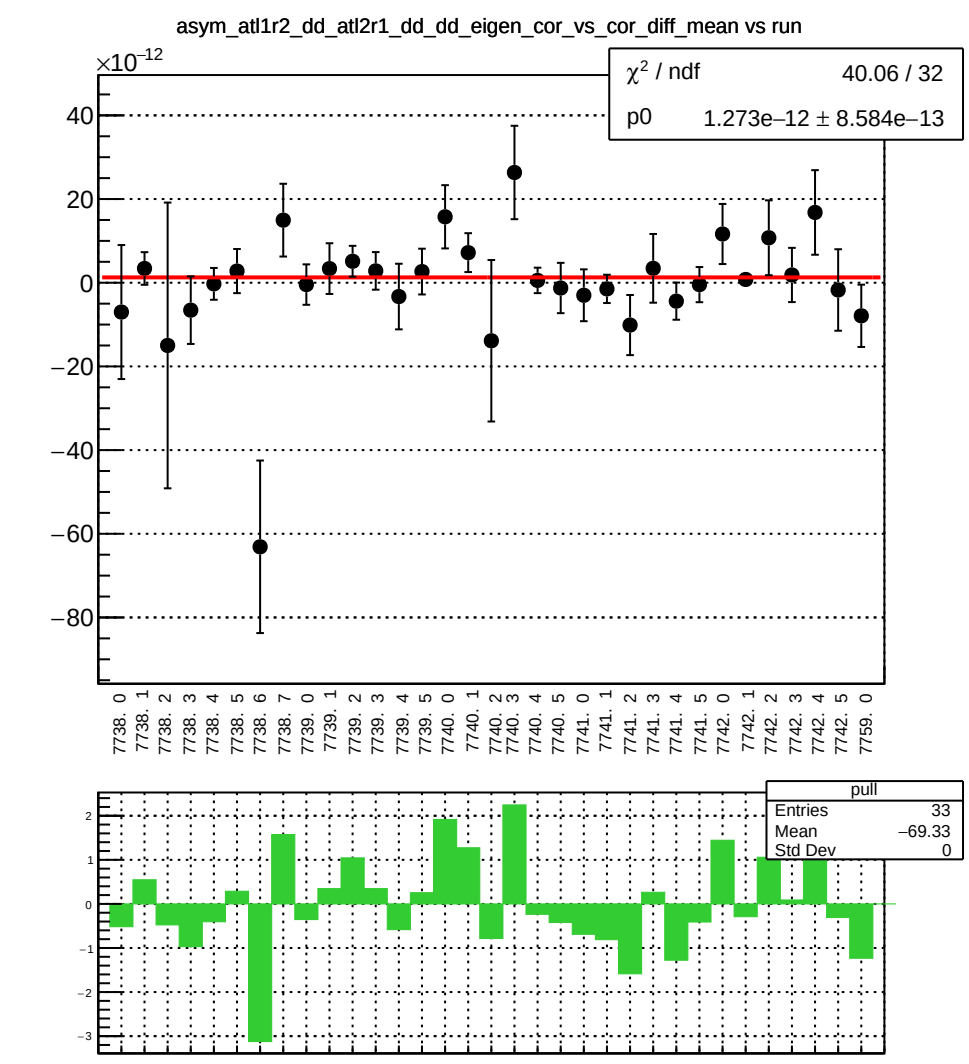

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.06e+05 / 32
p0 0.01711 ± 2.293e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

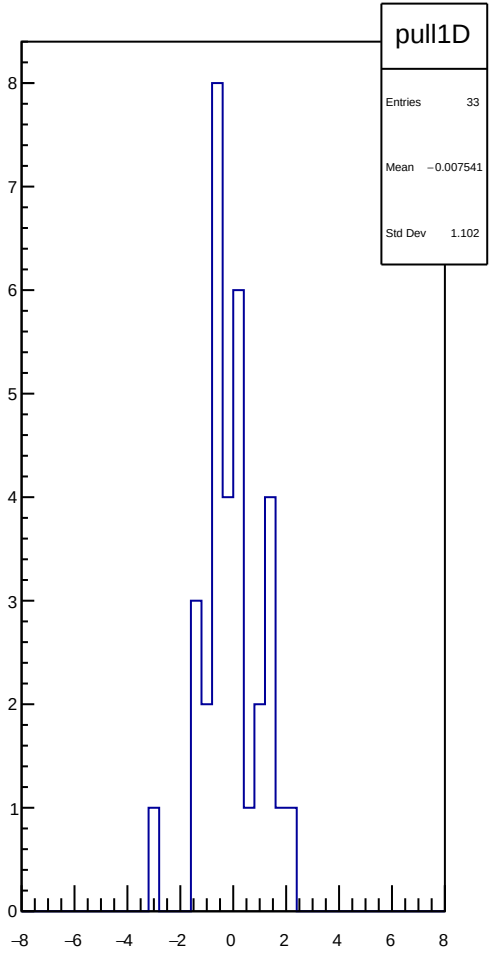

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.55
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02219
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

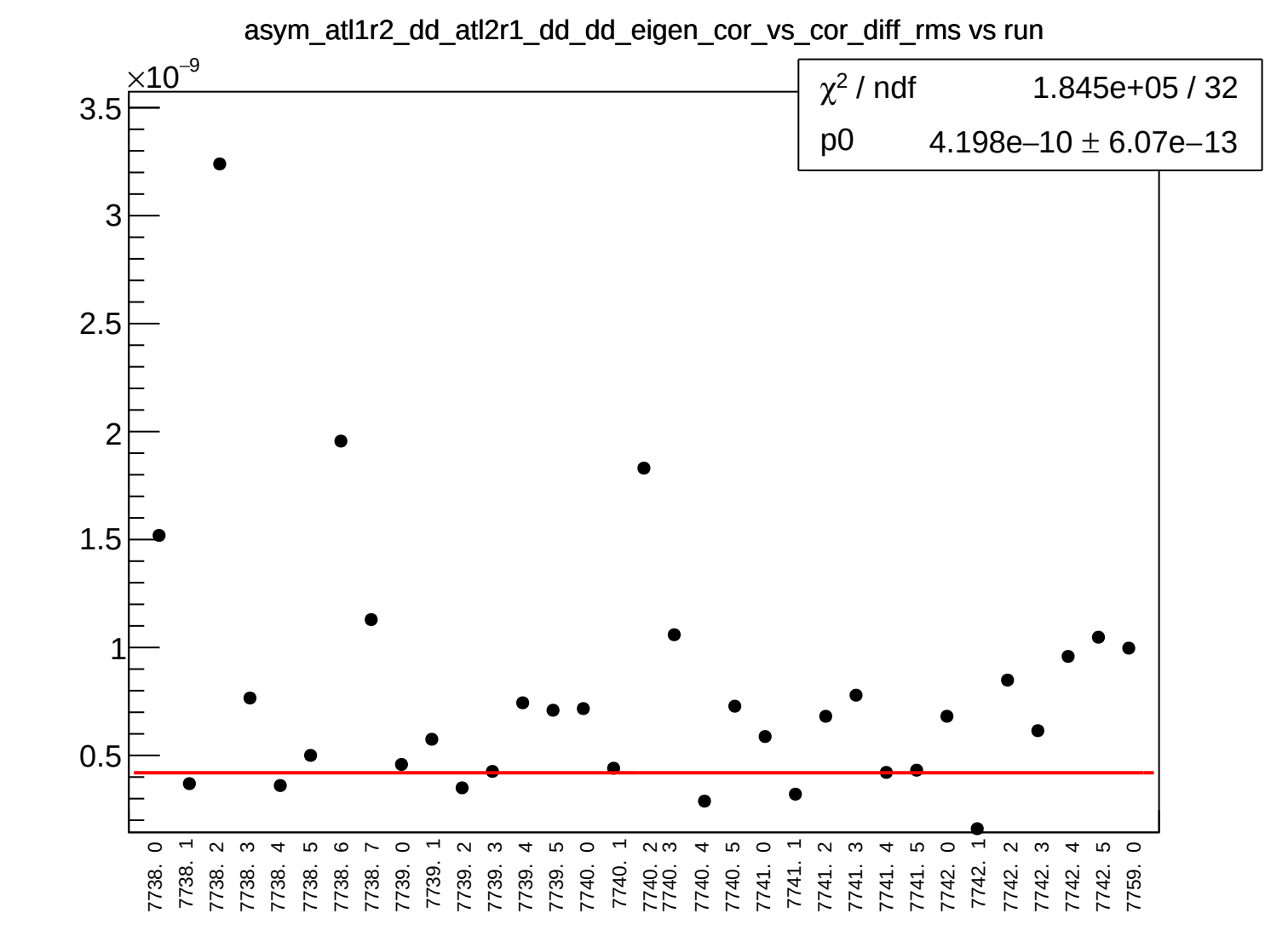

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

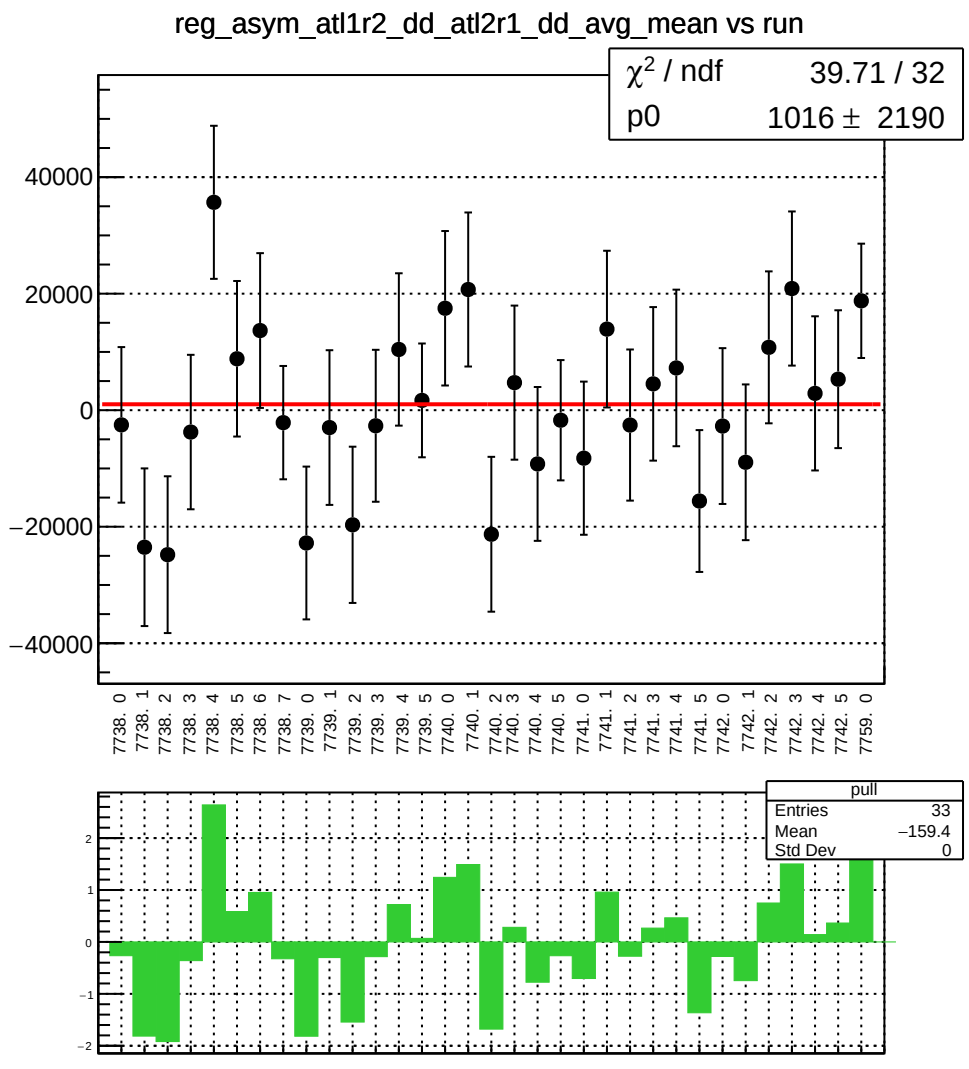

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.55 / 32
p0 0.2706 ± 0.2936
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.73
Std Dev 13.55
pull1D
Entries 33
Mean −0.02219
Std Dev 1.066

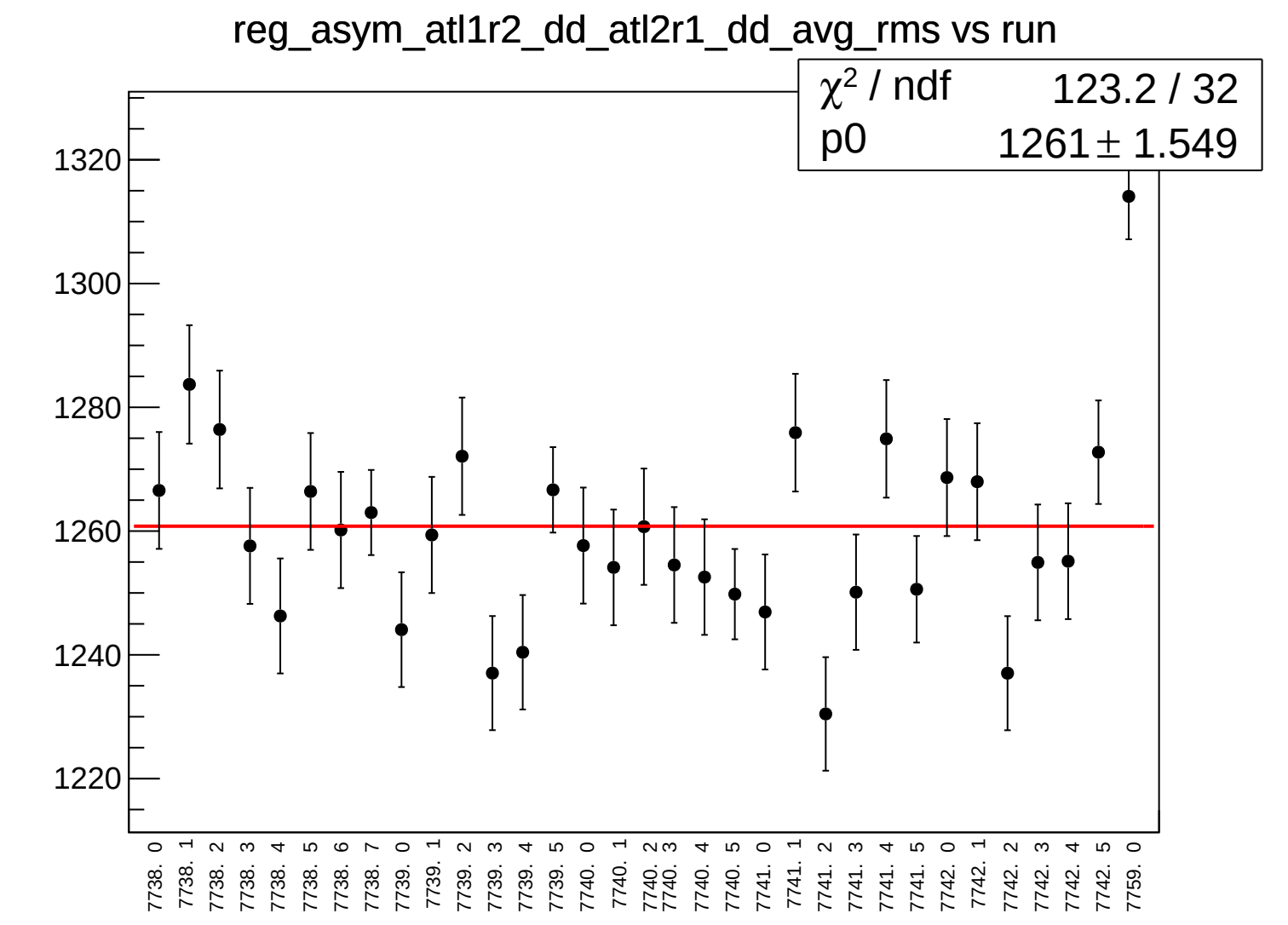

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.865e+04 / 32
p0 165.3 ± 0.2076
280
260
240
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

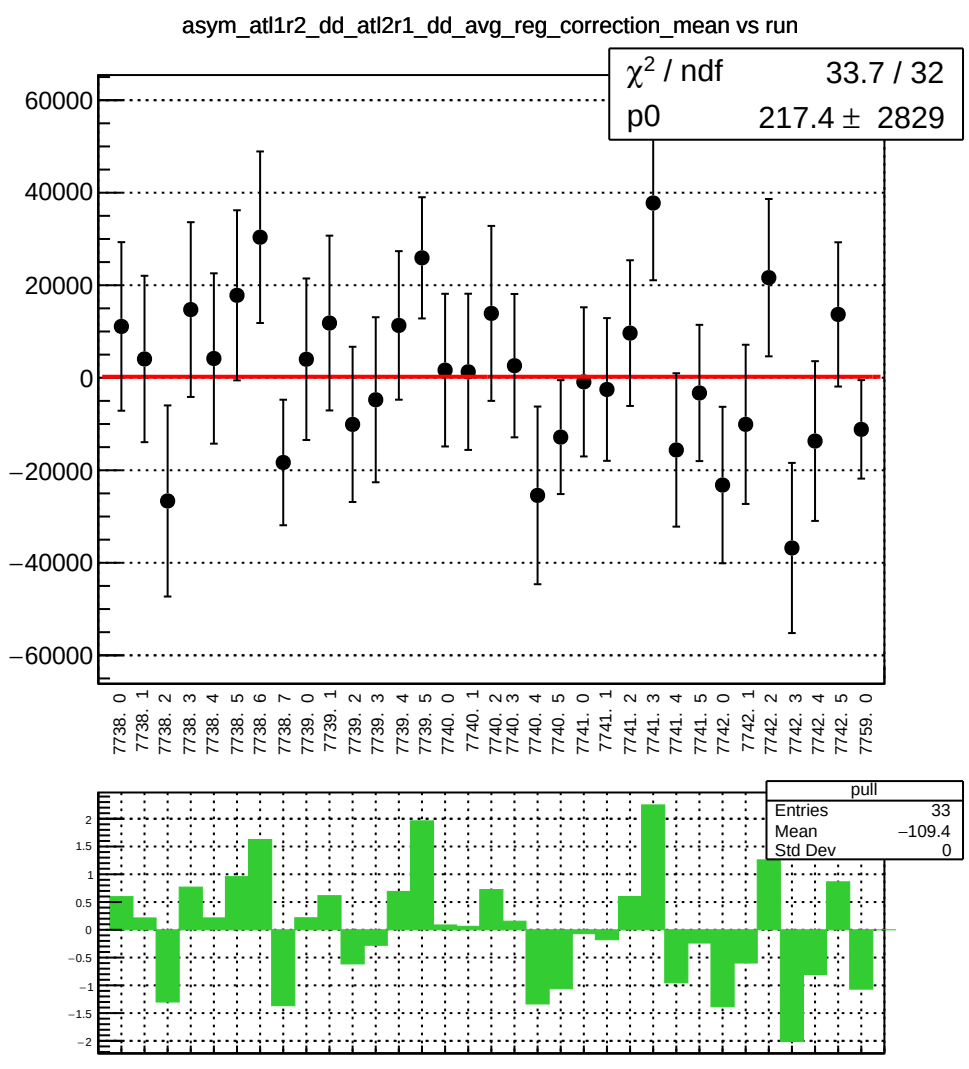

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 40.06 / 32
p0 1.273e−12 ± 8.584e−13
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −69.33
Std Dev 0
2
1
0
−1
−2
−3

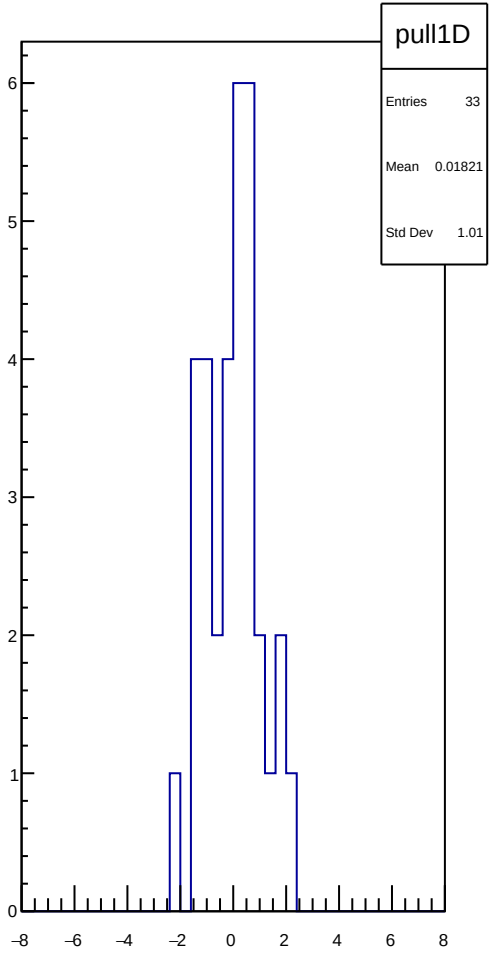

pull1D
Entries 33
Mean −0.007541
Std Dev 1.102
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

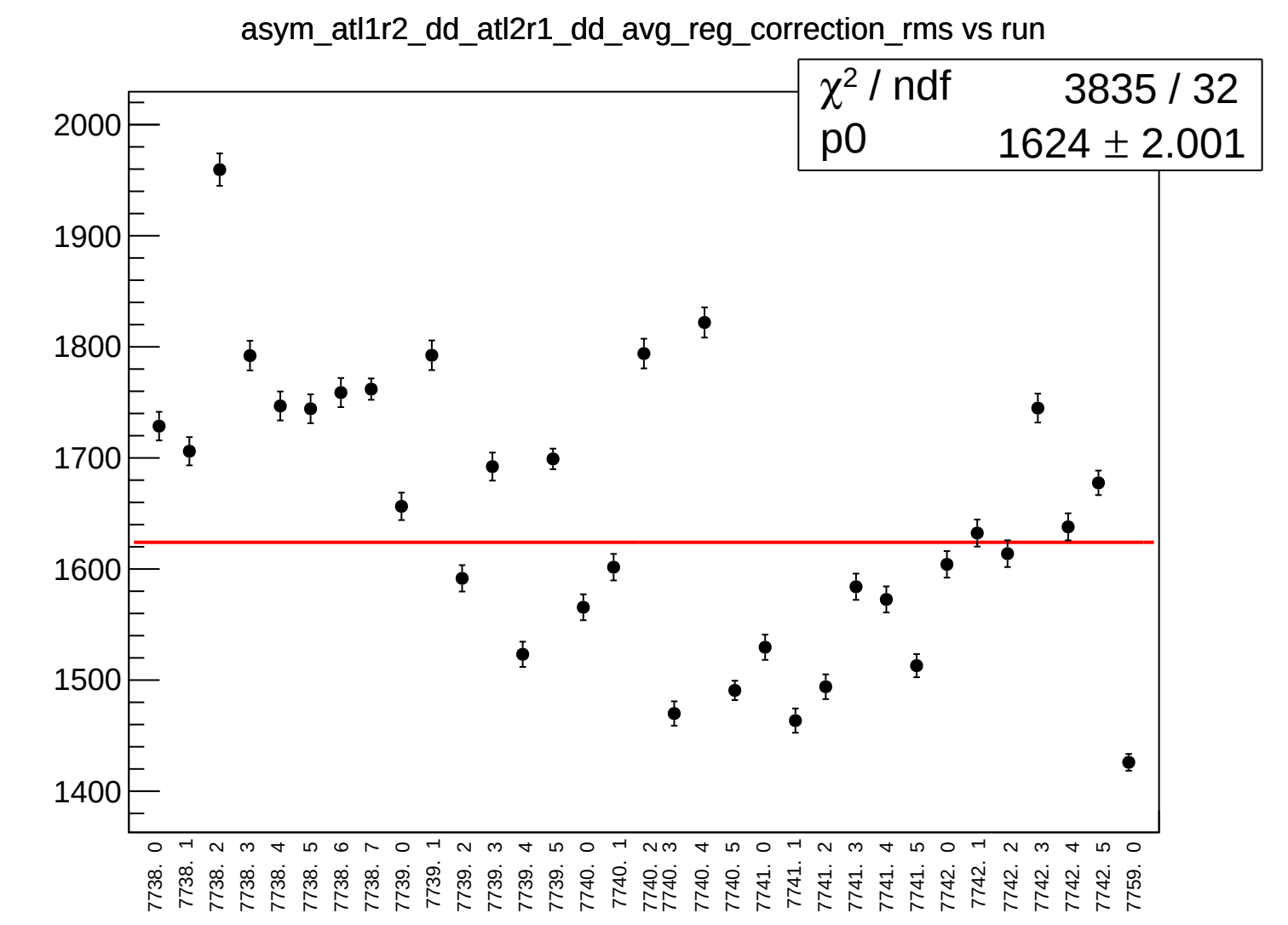

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.845e+05 / 32
p0 4.198e−10 ± 6.07e−13
3.5
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

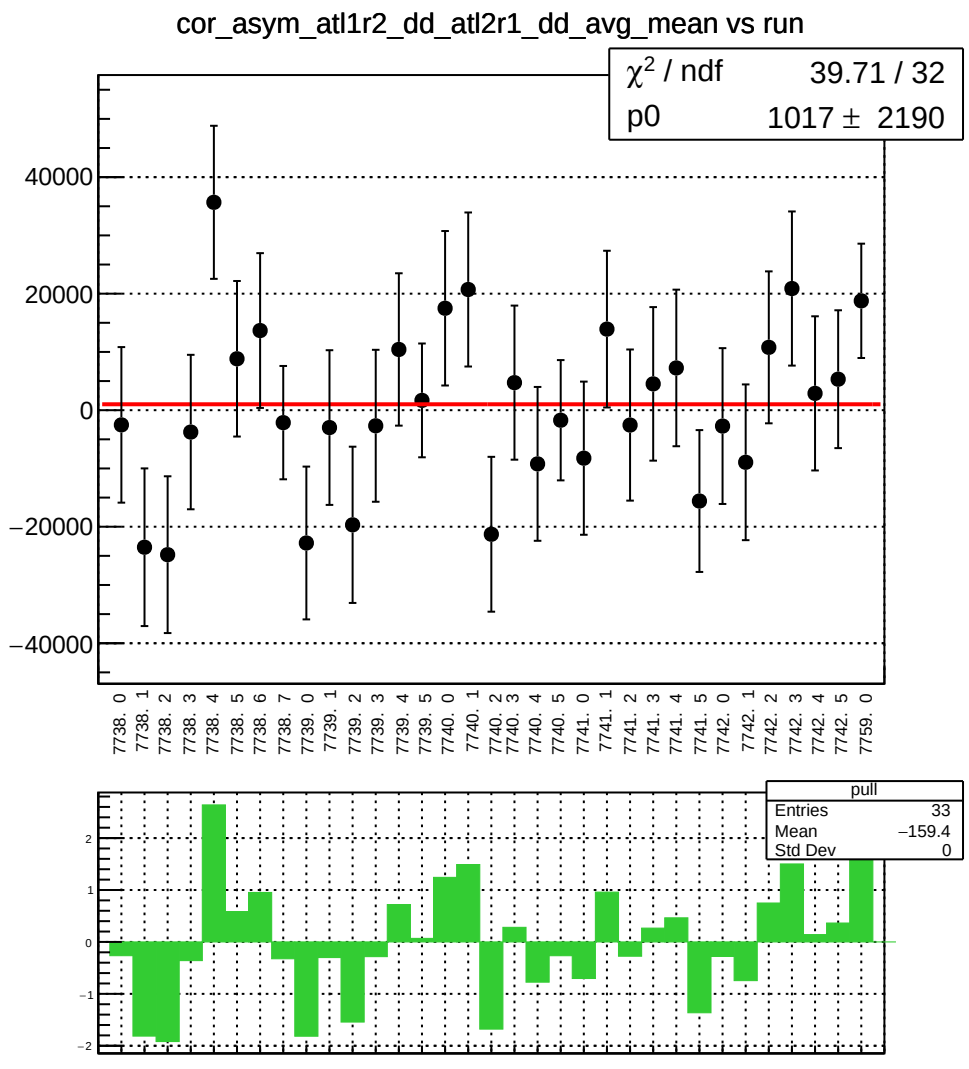

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.71 / 32
p0 1016 ± 2190
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −159.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01447
Std Dev 1.097
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

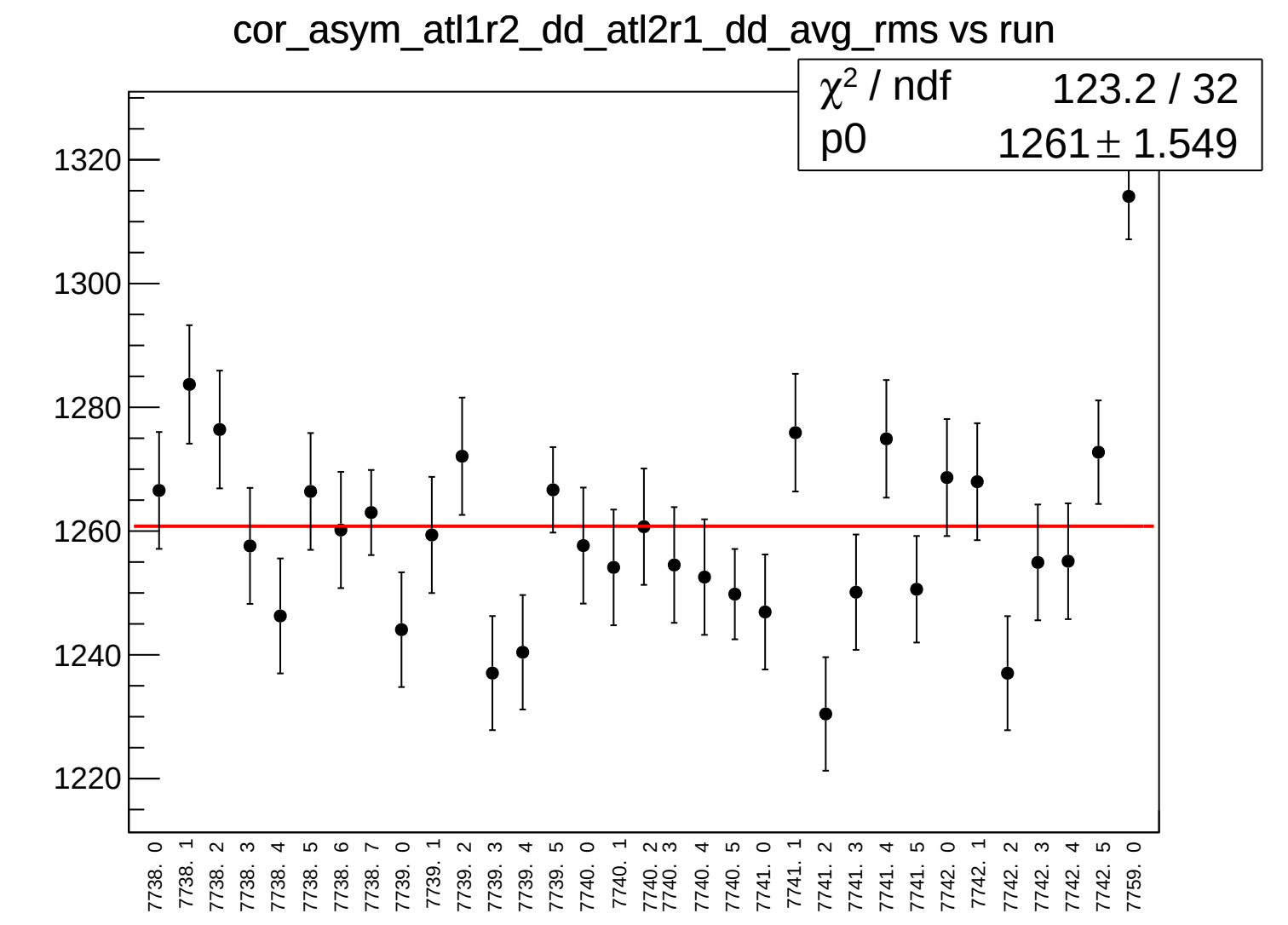

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 123.2 / 32
p0 1261 ± 1.549
1320
1300
1280
1260
1240
1220
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

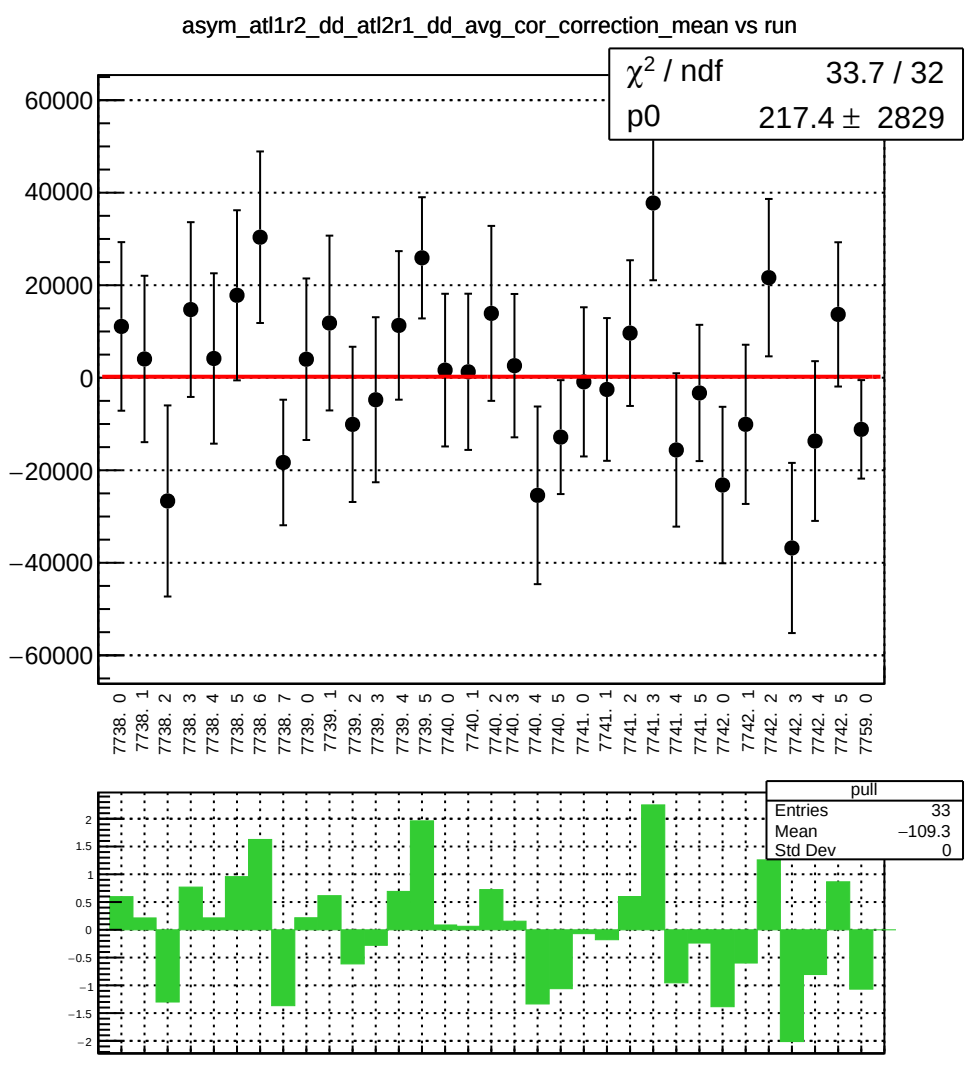

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 33.7 / 32
p0 217.4 ± 2829
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −109.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

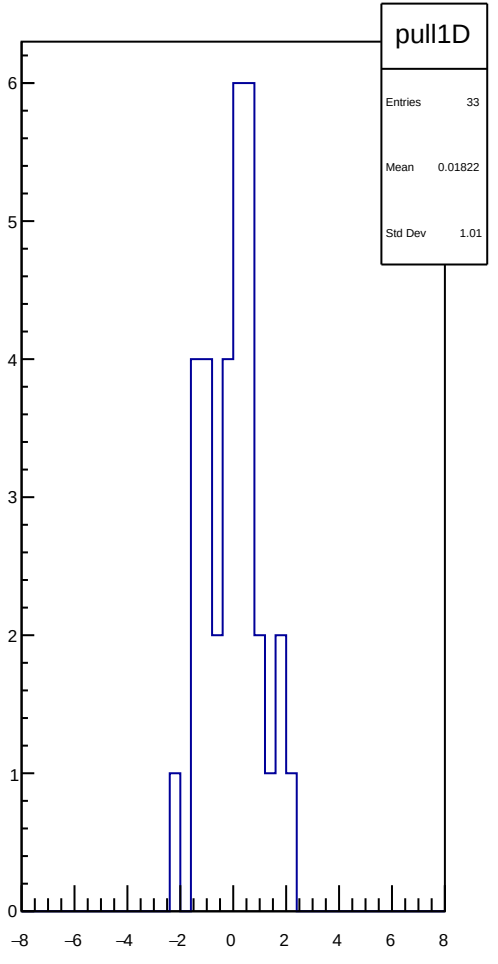

pull1D
Entries 33
Mean 0.01821
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

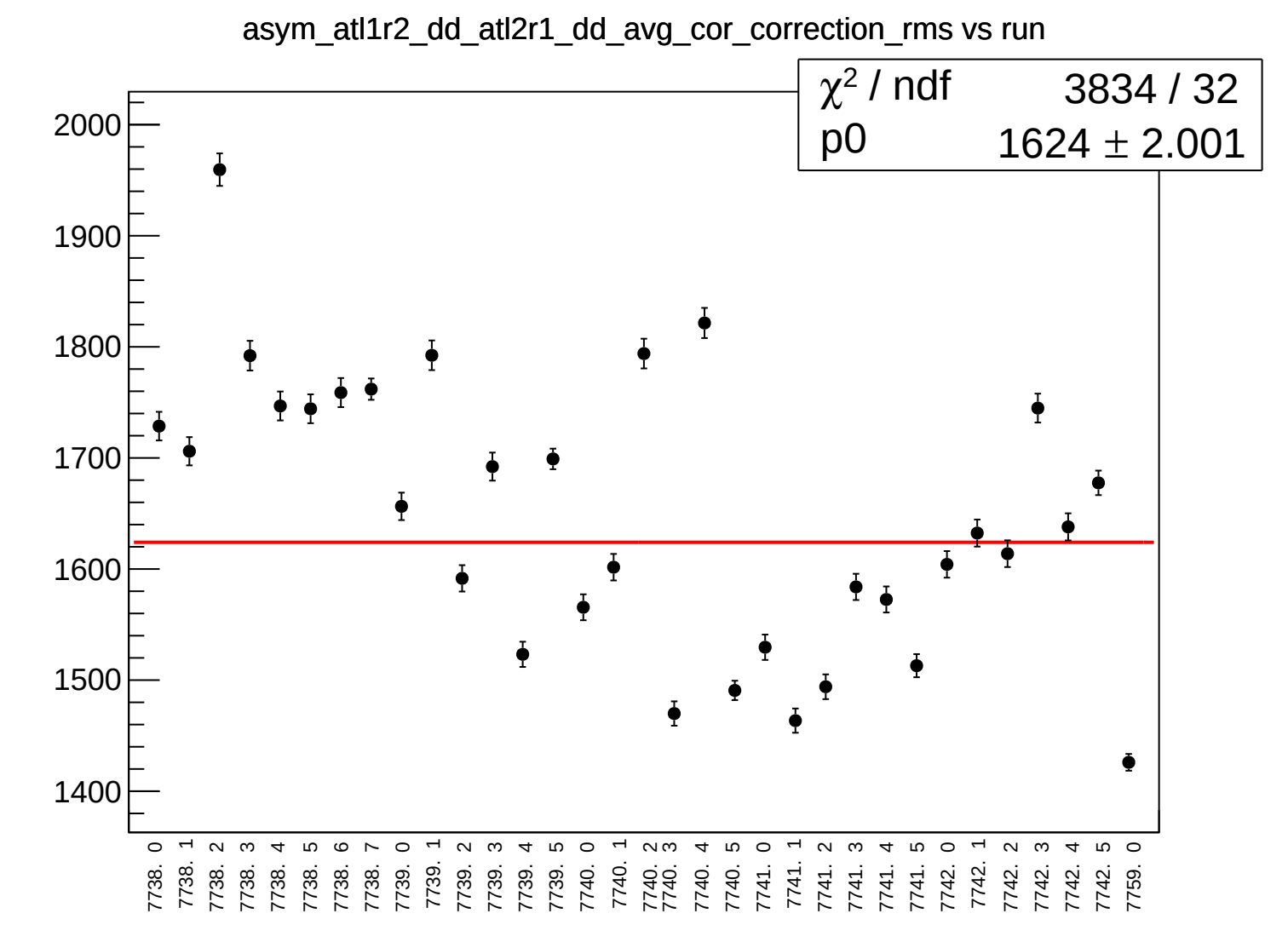

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 3835 / 32
p0 1624 ± 2.001
2000
1900
1800
1700
1600
1500
1400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

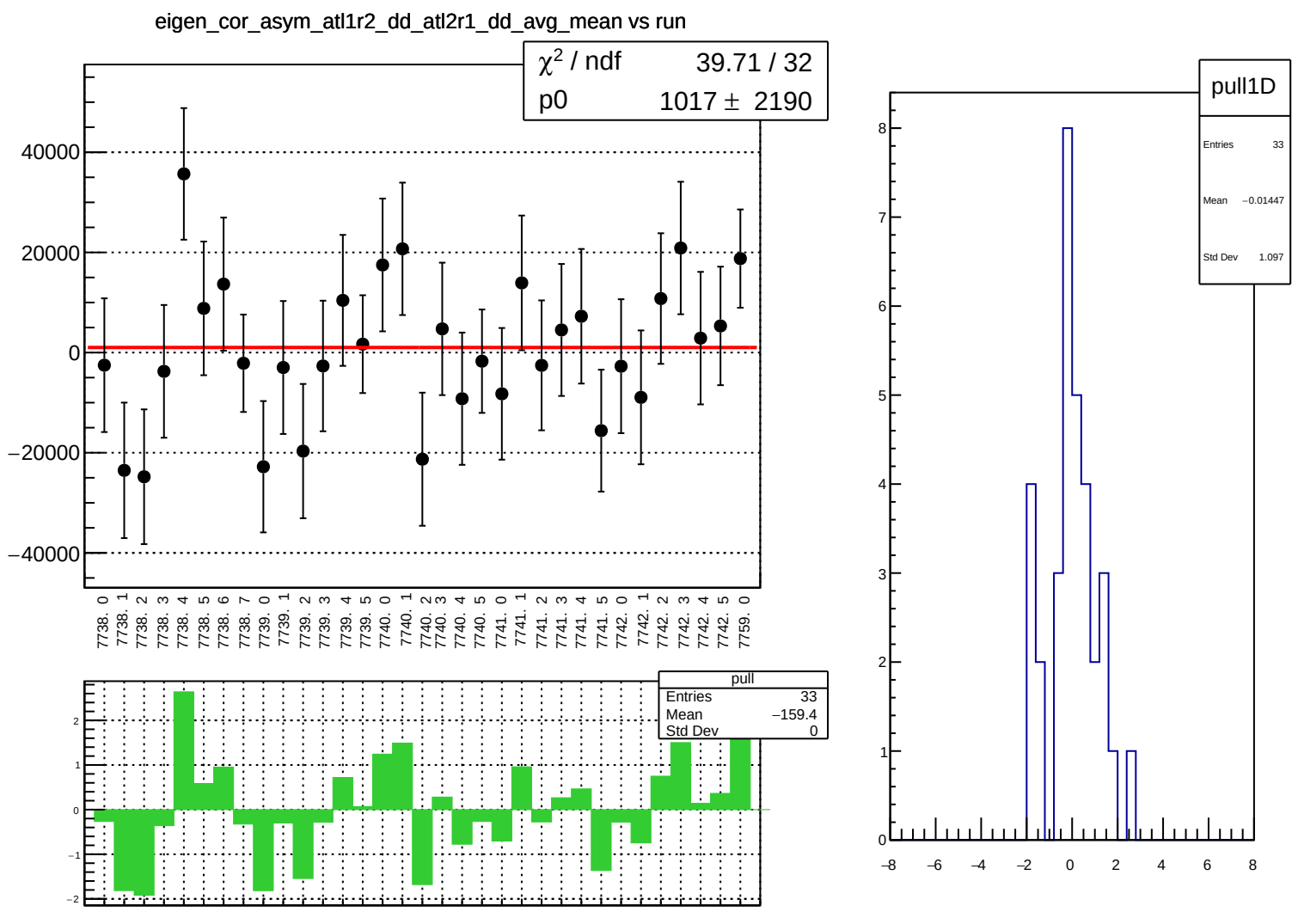

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.71 / 32
p0 1017 ± 2190
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −159.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01447
Std Dev 1.097
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

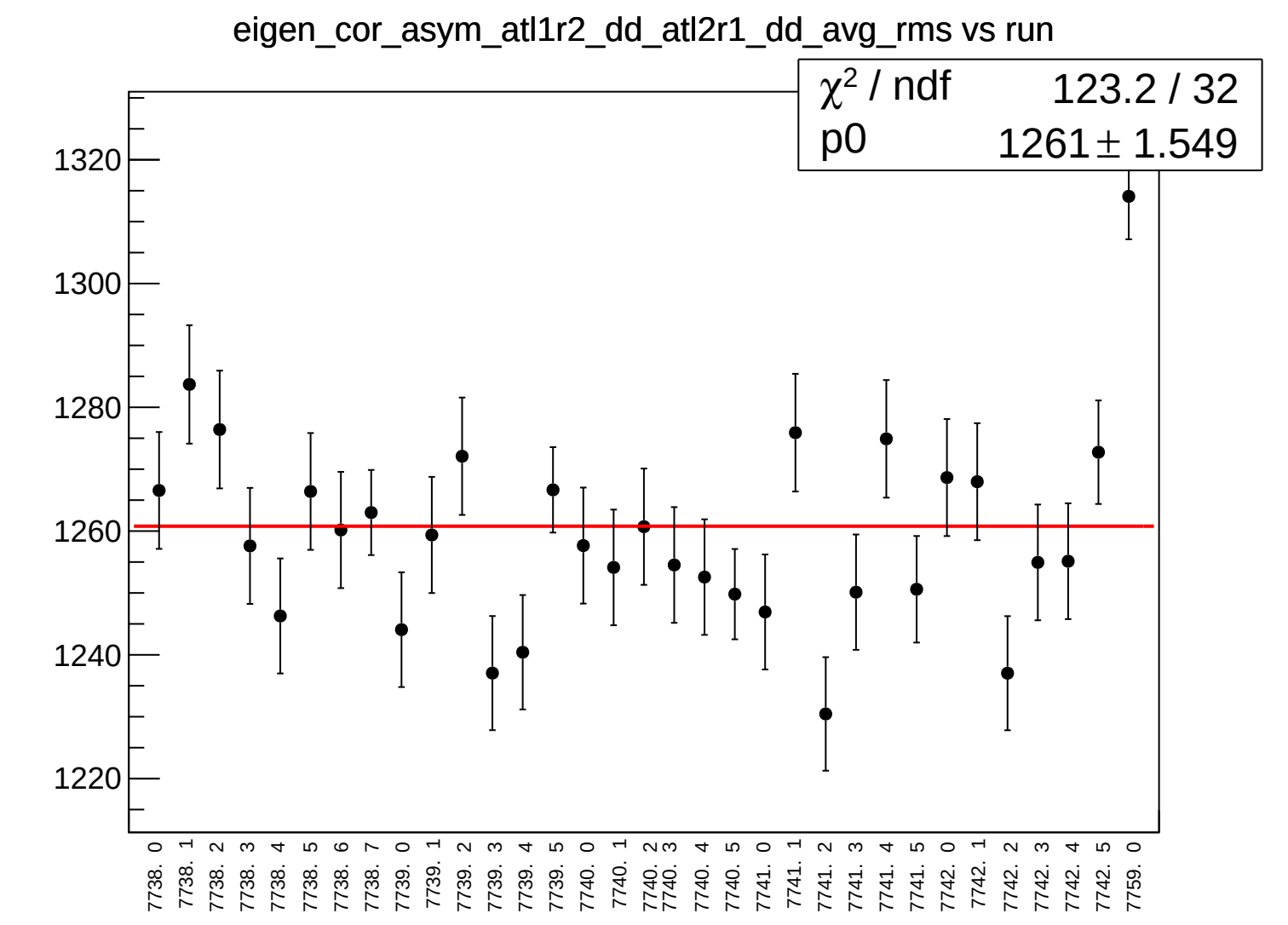

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 123.2 / 32
p0 1261 ± 1.549
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

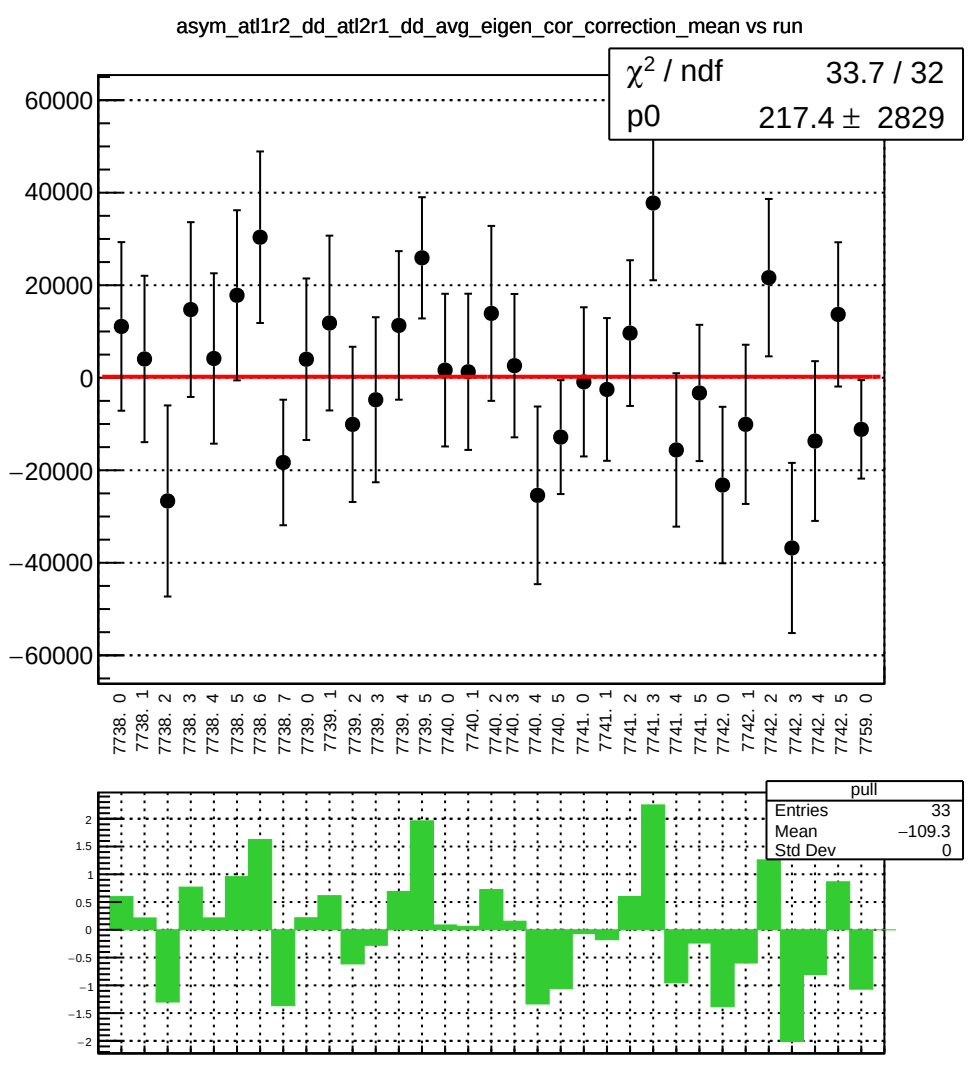

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 33.7 / 32
p0 217.4 ± 2829
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −109.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

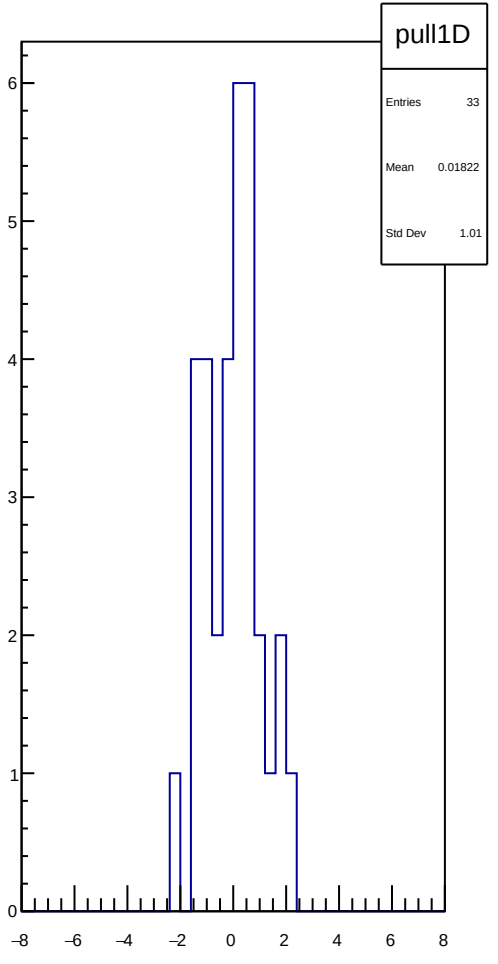

pull1D
Entries 33
Mean 0.01822
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

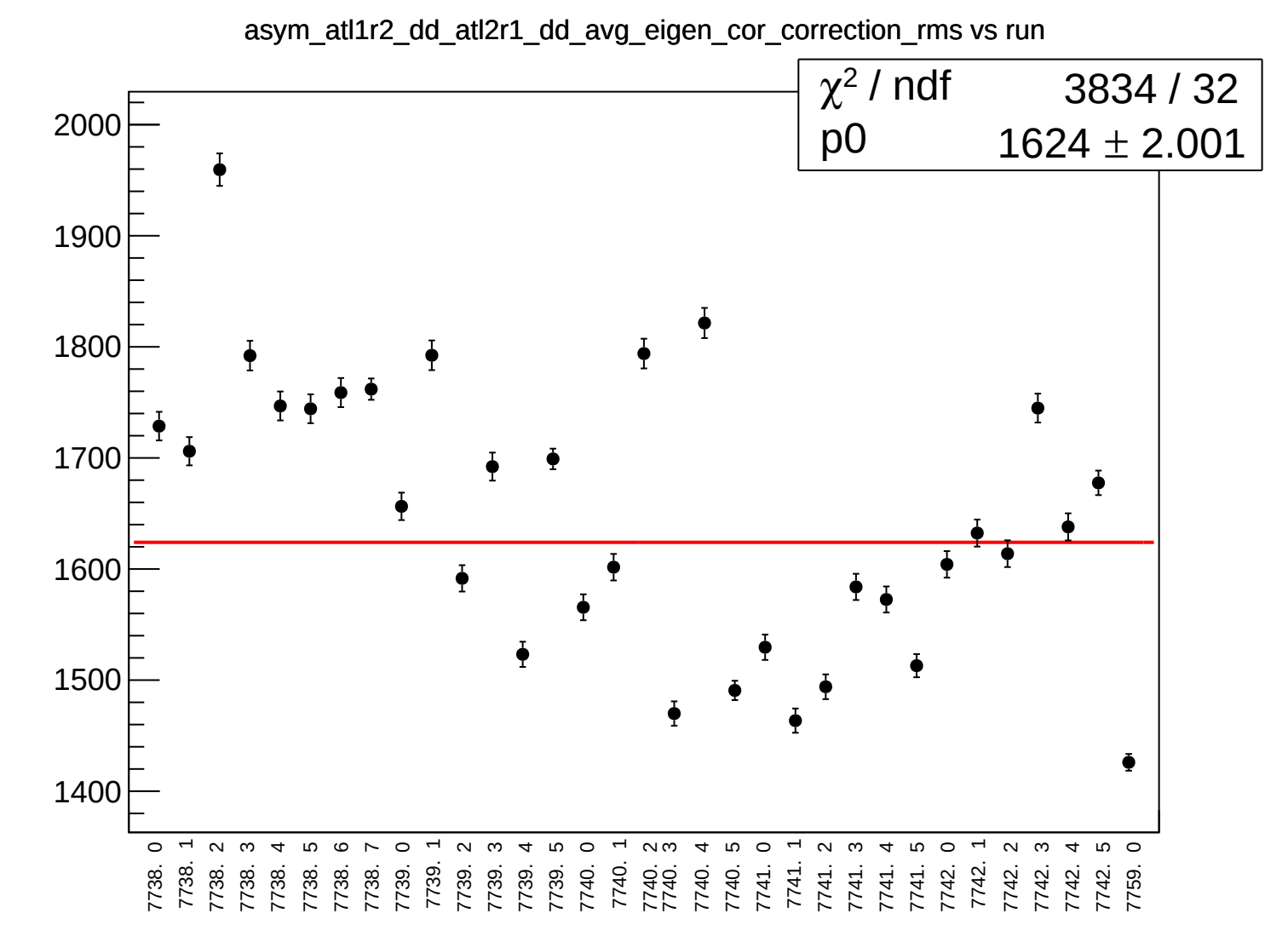

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 3834 / 32
p0 1624 ± 2.001
2000
1900
1800
1700
1600
1500
1400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

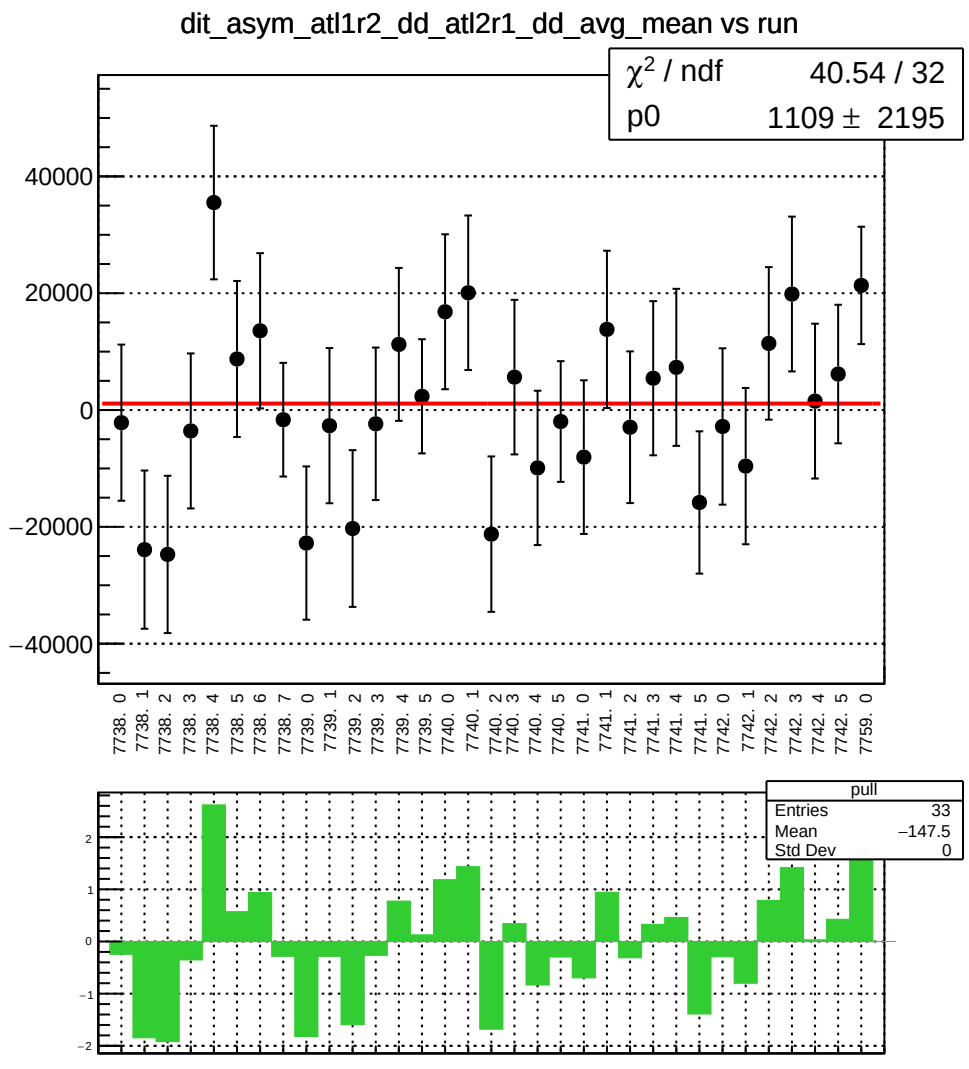

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.71 / 32
p0 1017 ± 2190
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −159.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01447
Std Dev 1.097
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

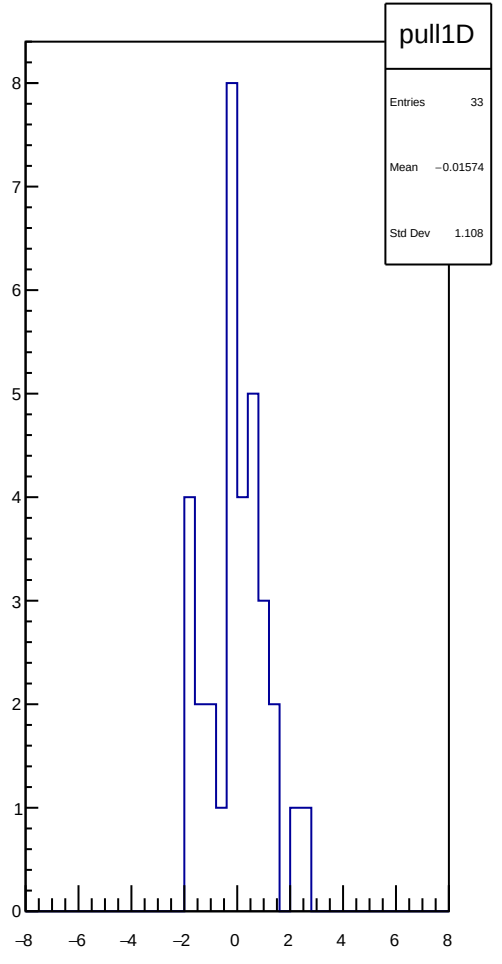

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 123.2 / 32
p0 1261 ± 1.549
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

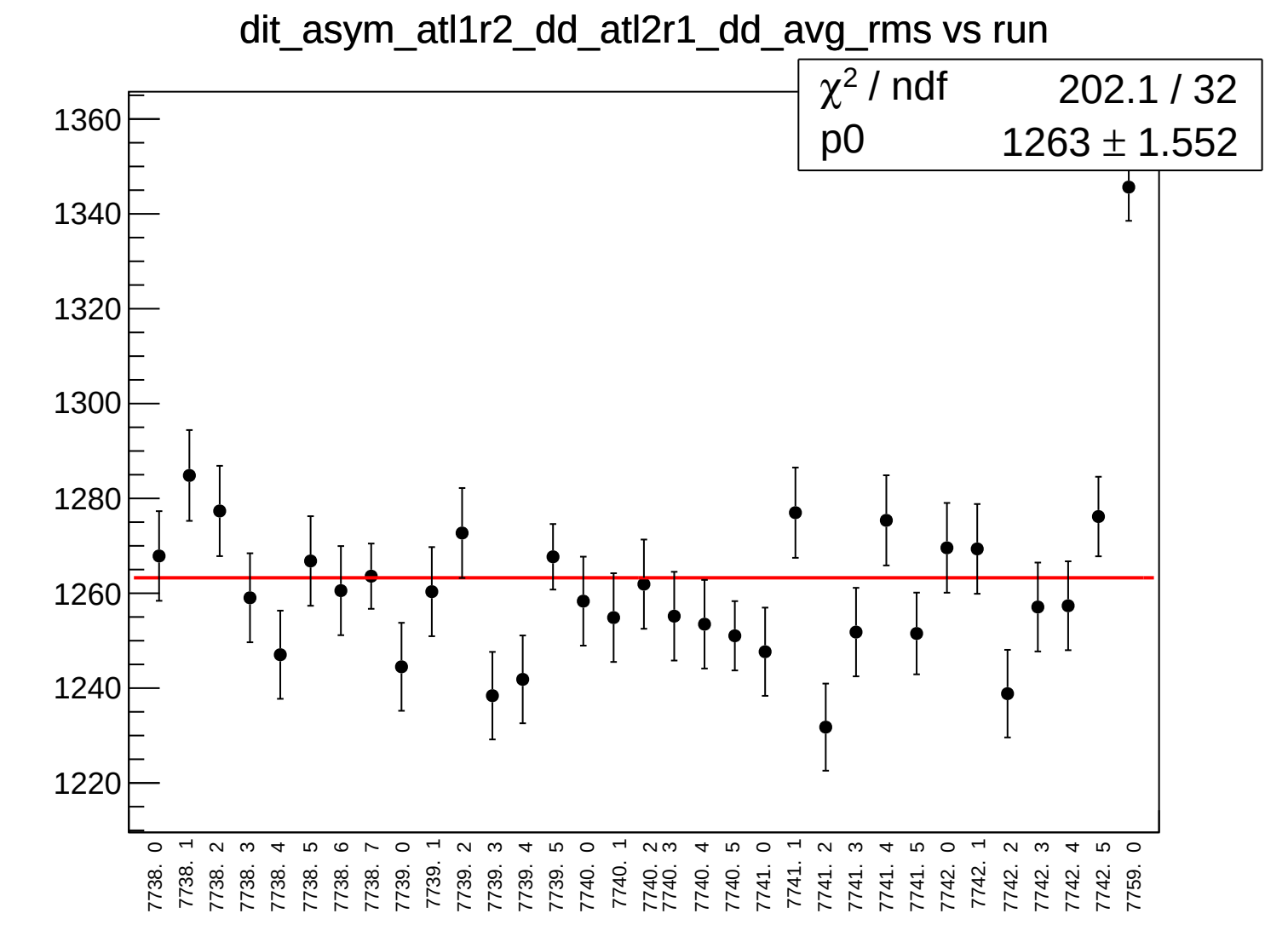

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 33.7 / 32
p0 217.4 ± 2829
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −109.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

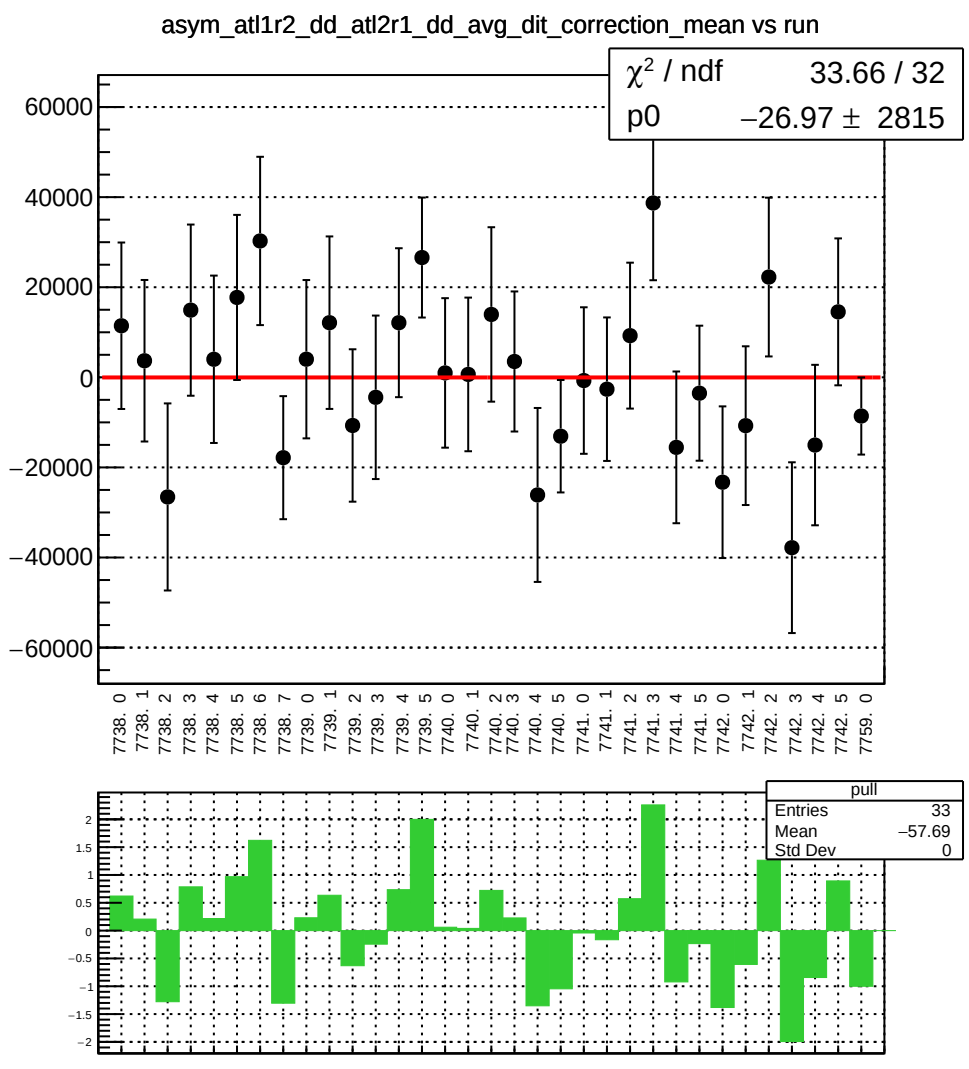

pull1D
Entries 33
Mean 0.01822
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

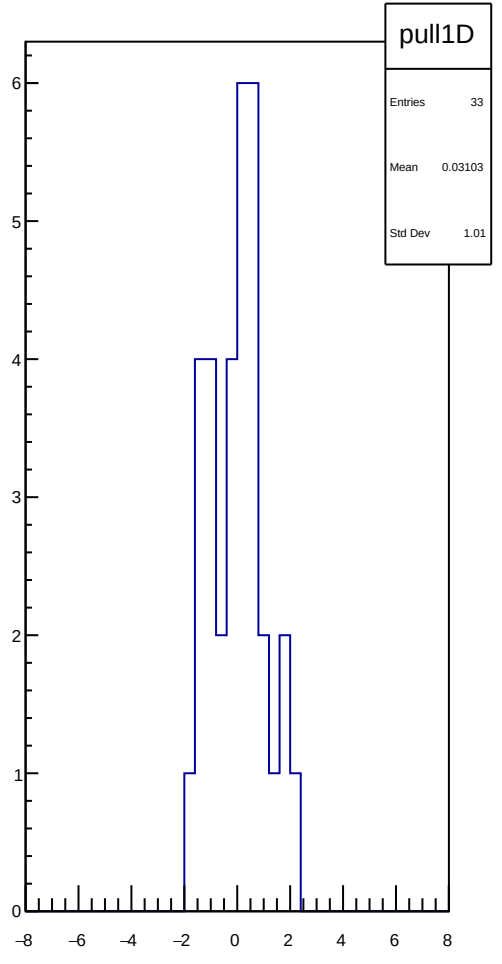

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3834 / 32
p0 1624 ± 2.001
2000
1900
1800
1700
1600
1500
1400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

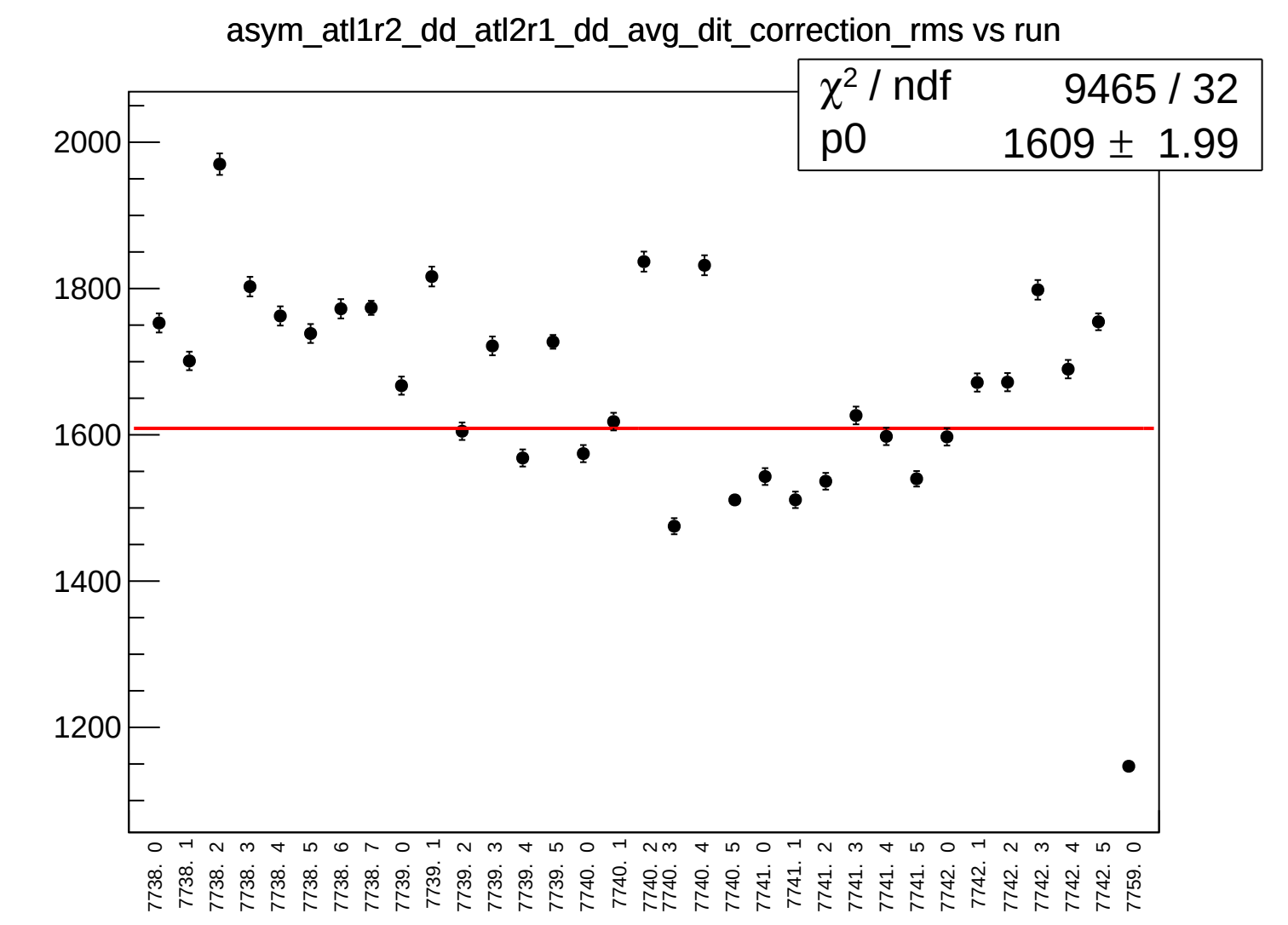

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.54 / 32
p0 1109 ± 2195
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −147.5
Std Dev 0
2
1
0
−1
−2

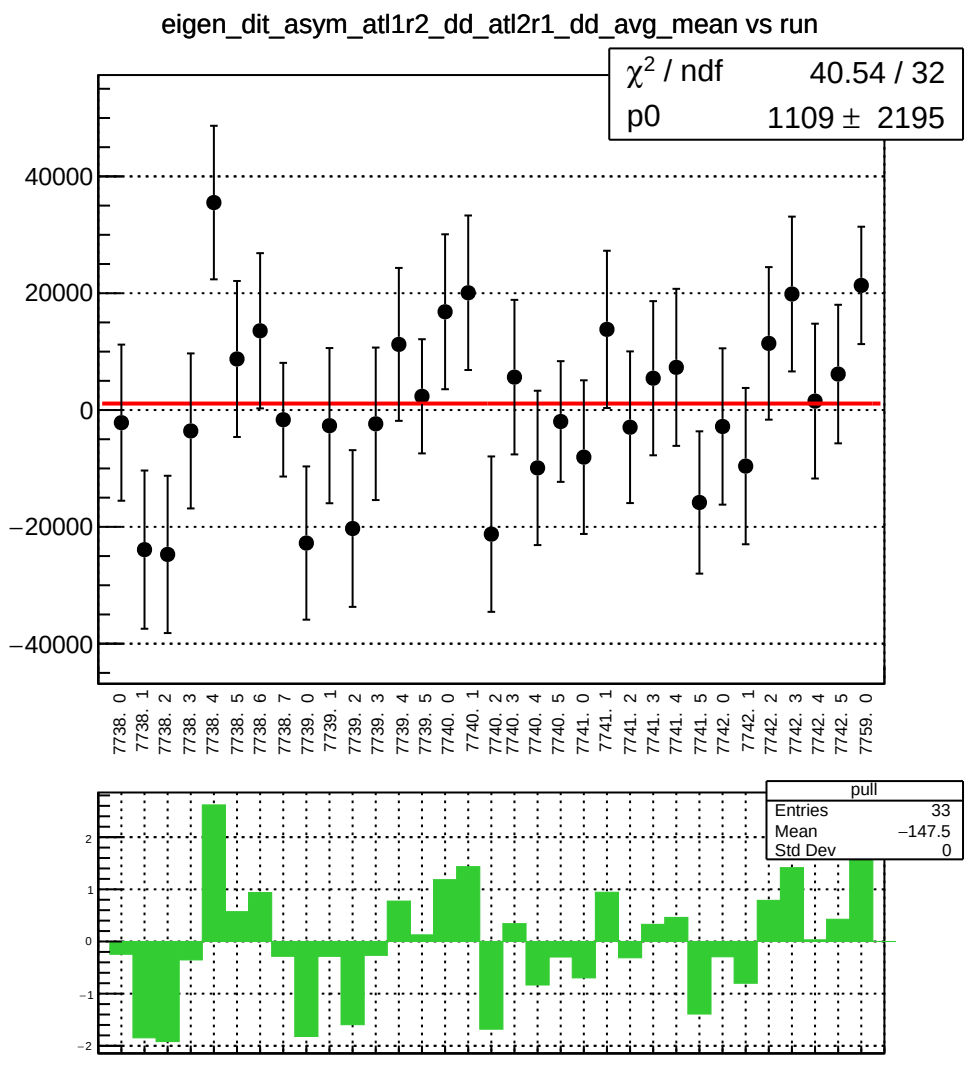

pull1D
Entries 33
Mean −0.01574
Std Dev 1.108
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

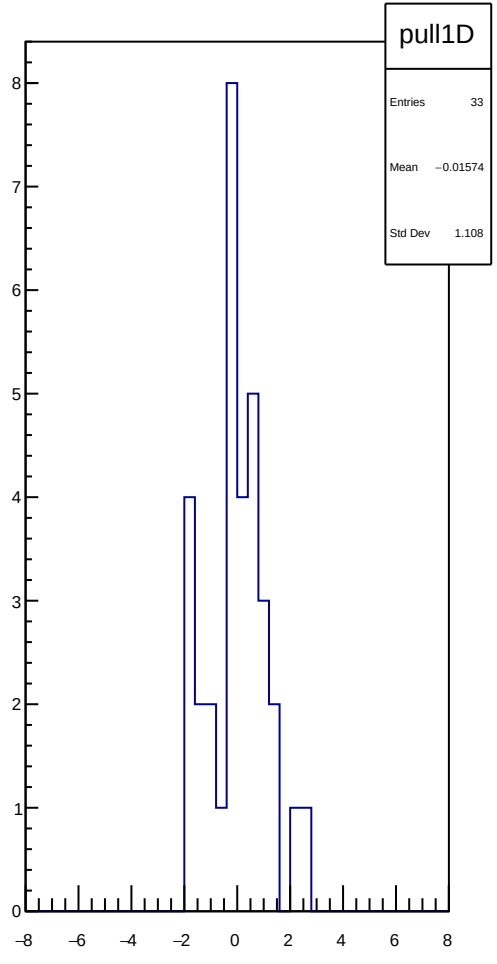

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 202.1 / 32
p0 1263 ± 1.552
1360
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

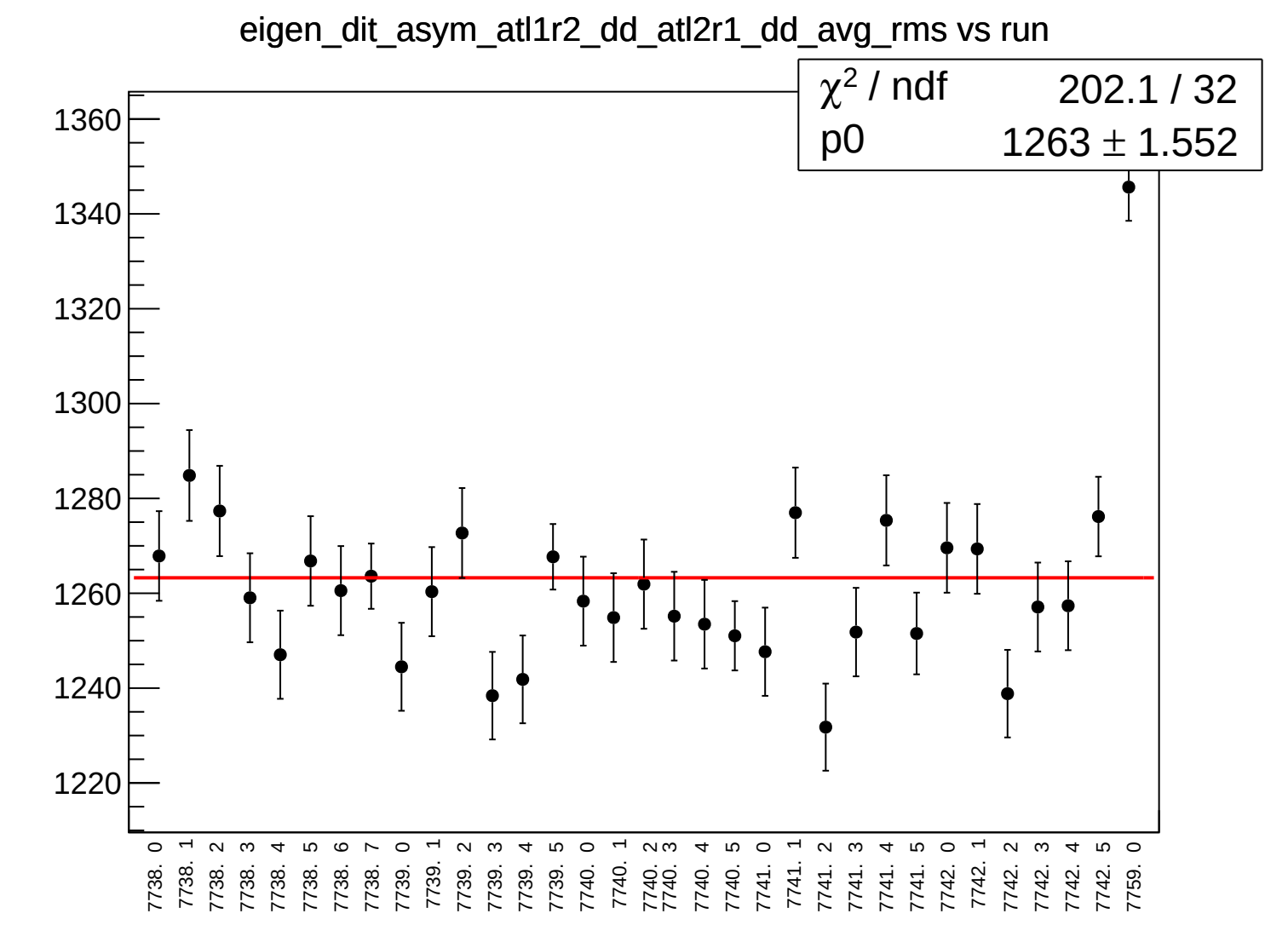

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 33.66 / 32
p0 −26.97 ± 2815
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

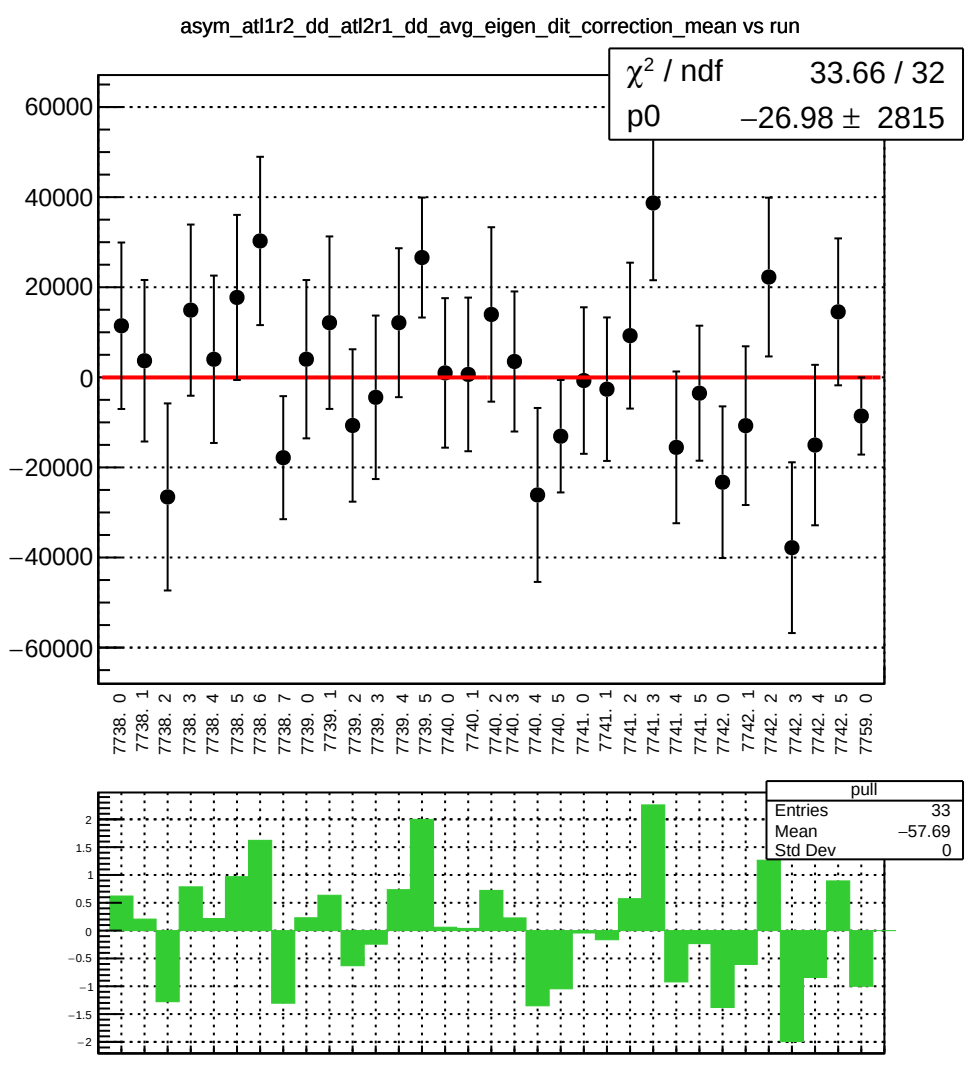

pull1D
Entries 33
Mean 0.03103
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

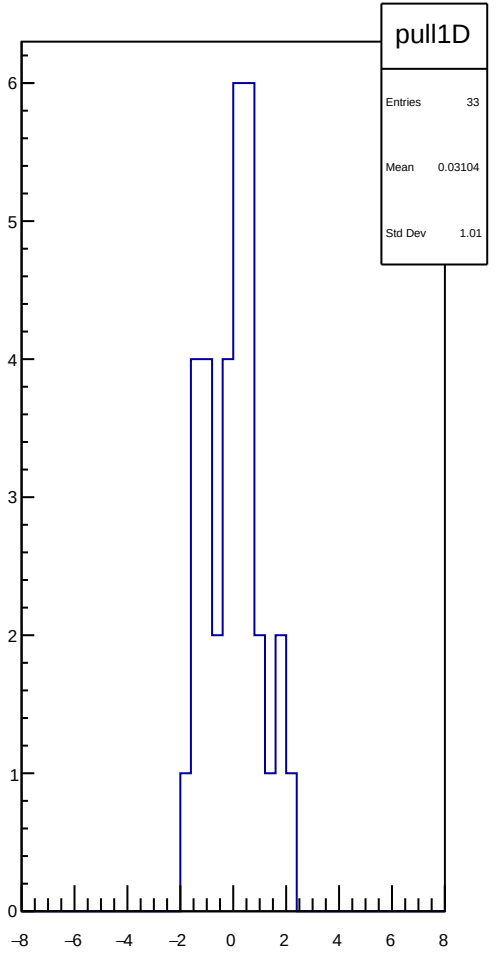

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 9465 / 32
p0 1609 ± 1.99
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

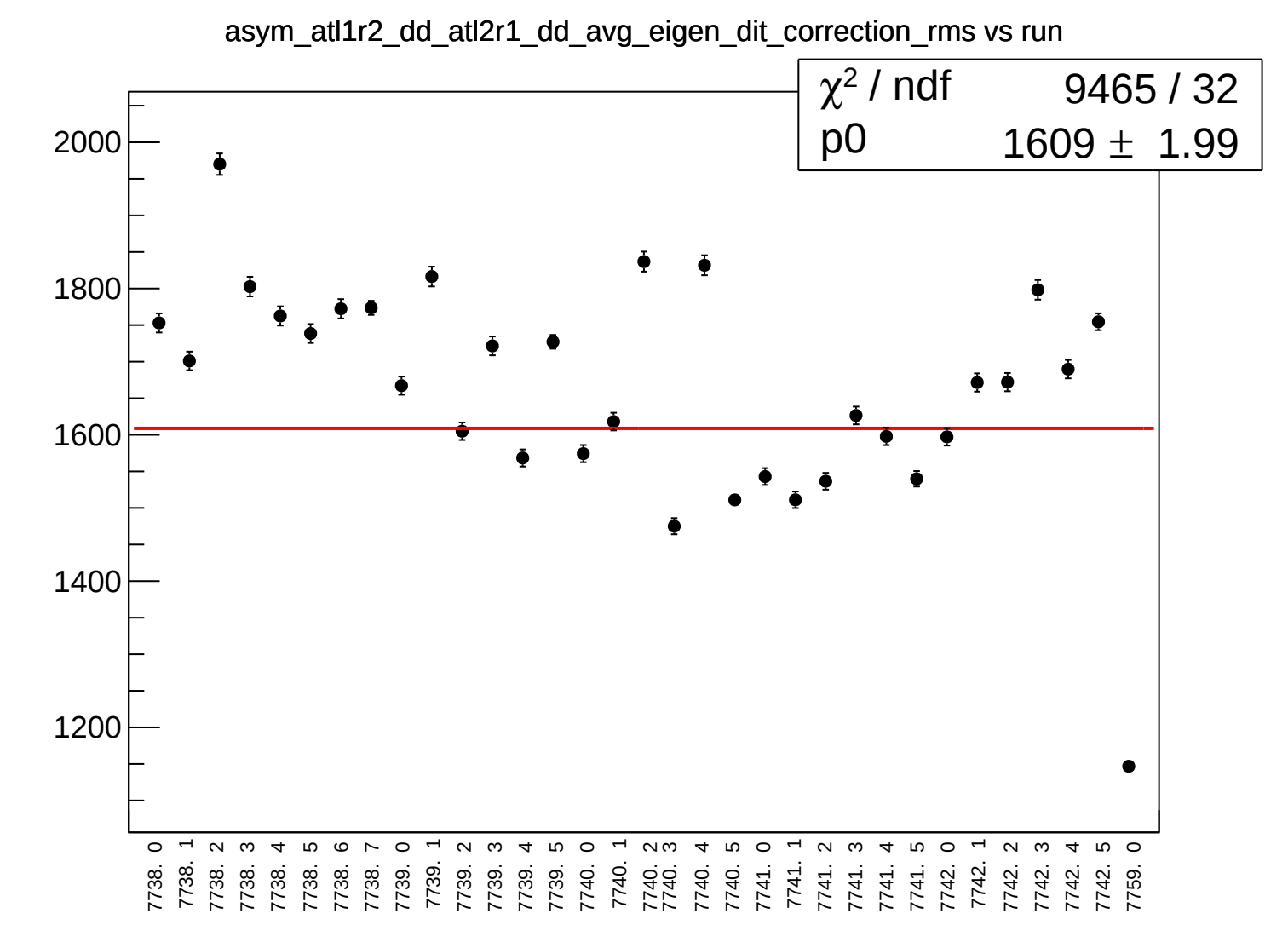

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.54 / 32
p0 1109 ± 2195
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −147.5
Std Dev 0
2
1
0
−1
−2

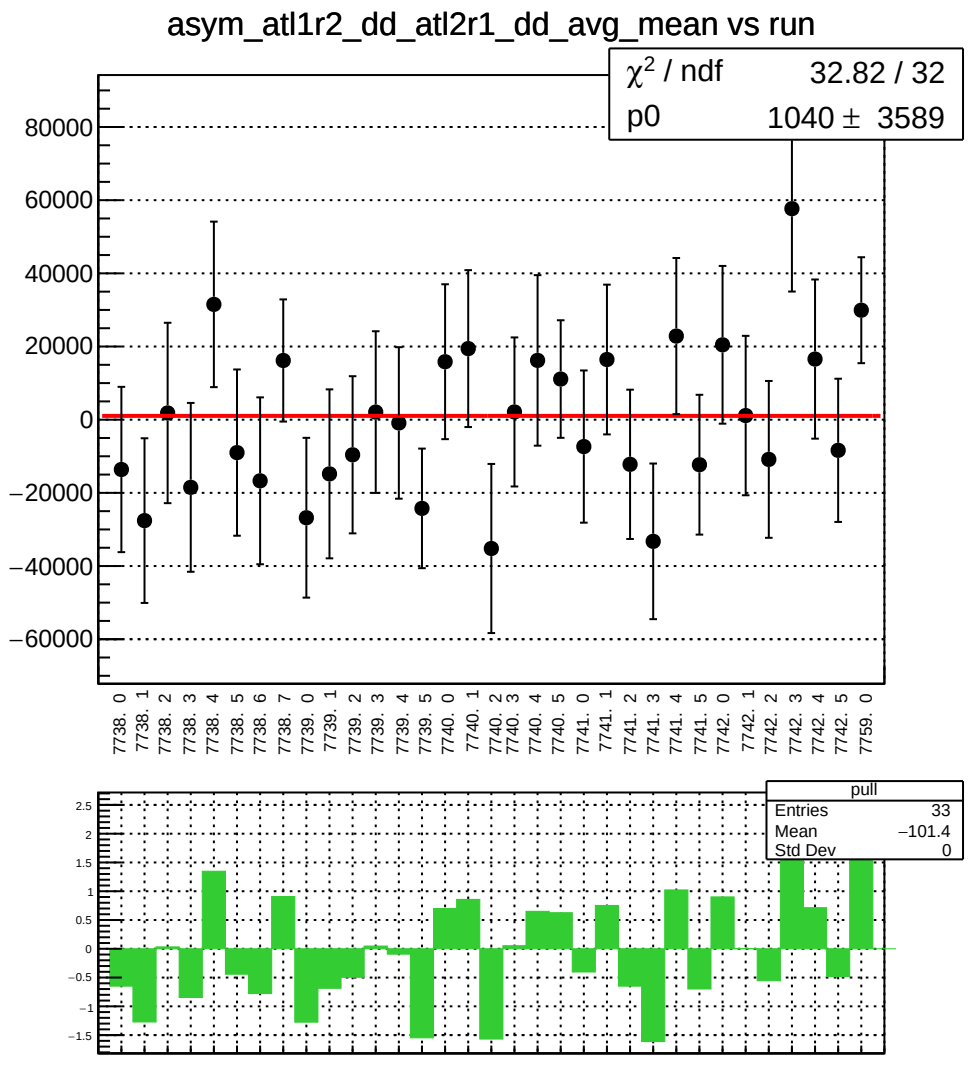

pull1D
Entries 33
Mean −0.01574
Std Dev 1.108
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

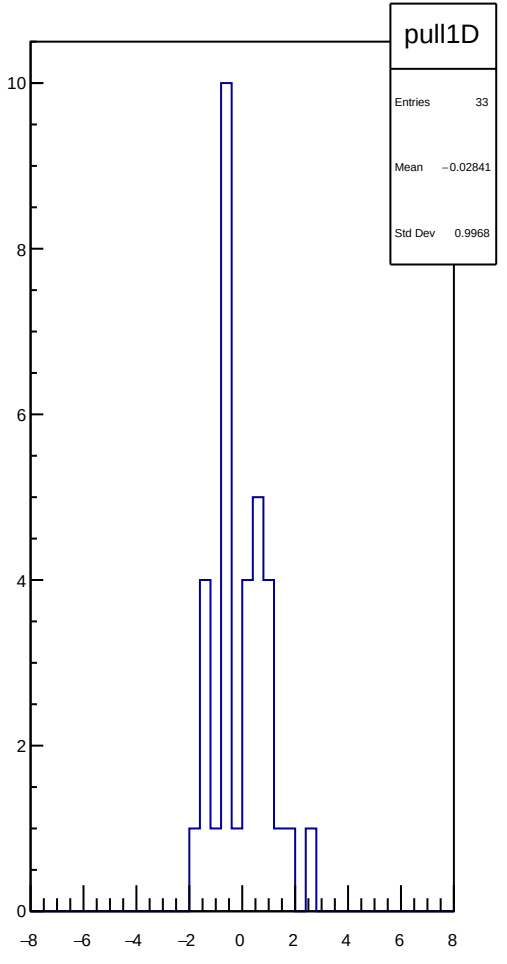

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 202.1 / 32
p0 1263 ± 1.552
1360
1340
1320
1300
1280
1260
1240
1220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

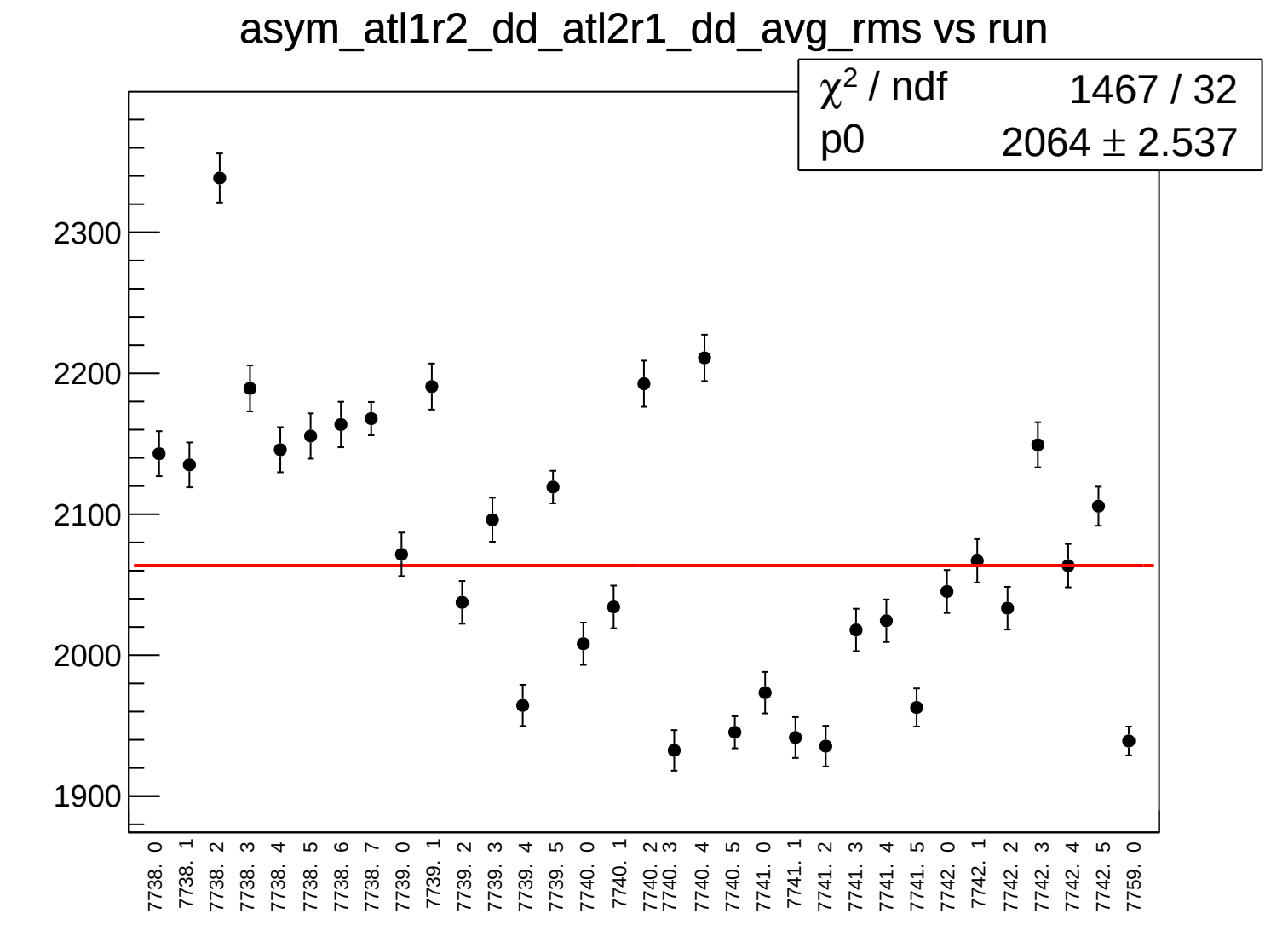

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 33.66 / 32
p0 −26.98 ± 2815
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

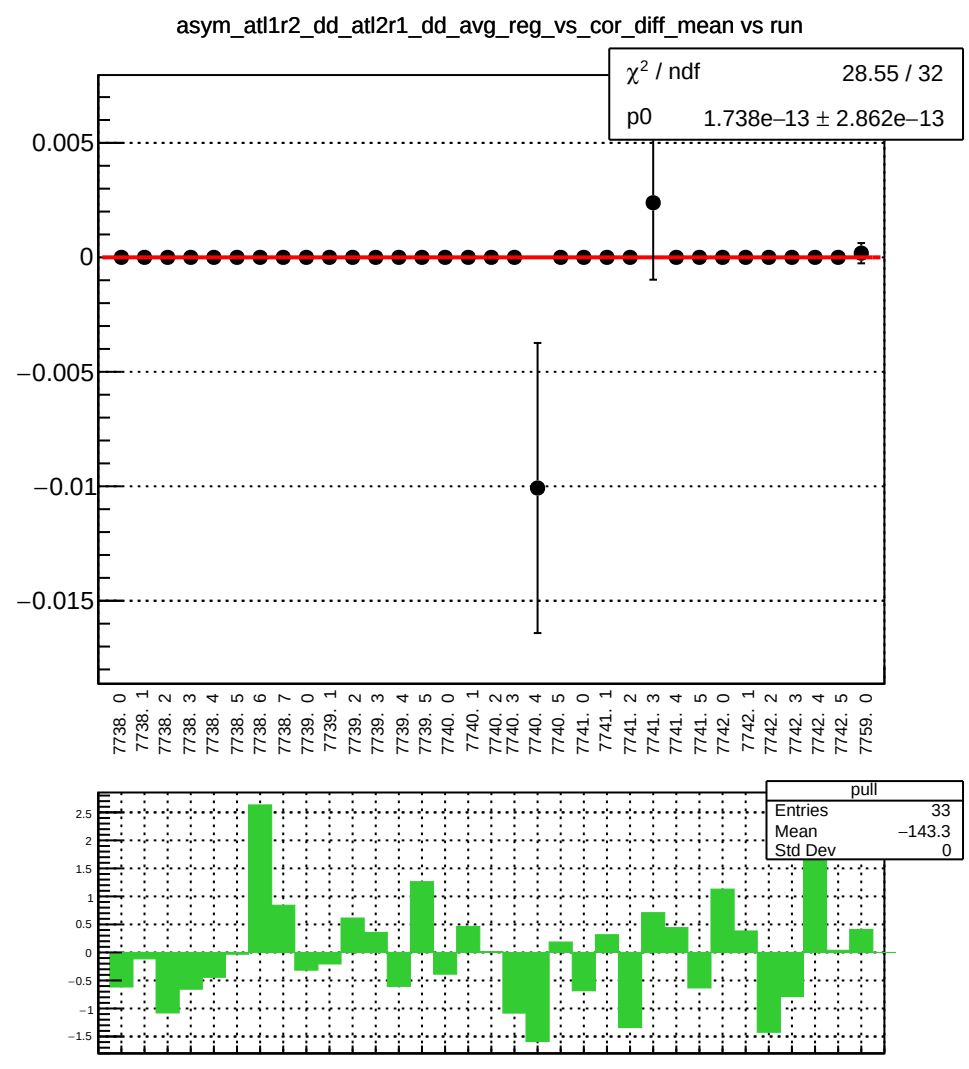

pull1D
Entries 33
Mean 0.03104
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

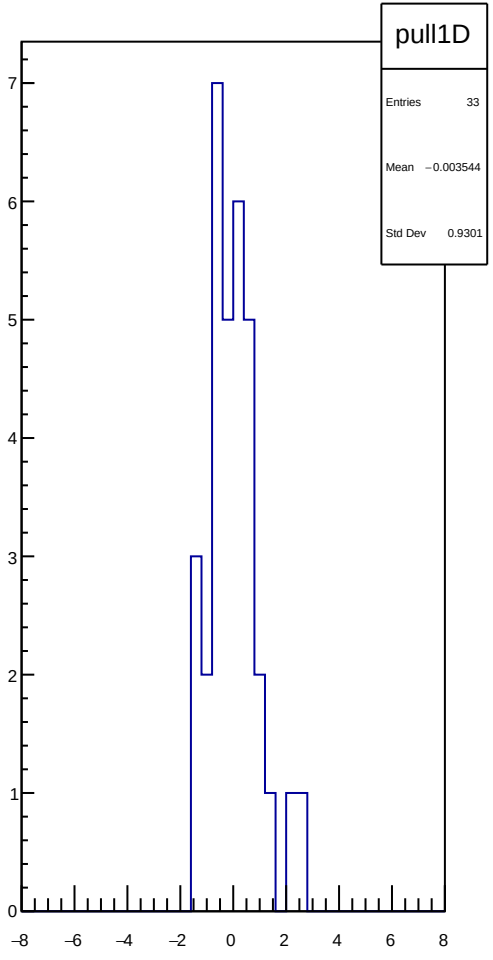

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 9465 / 32
p0 1609 ± 1.99
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

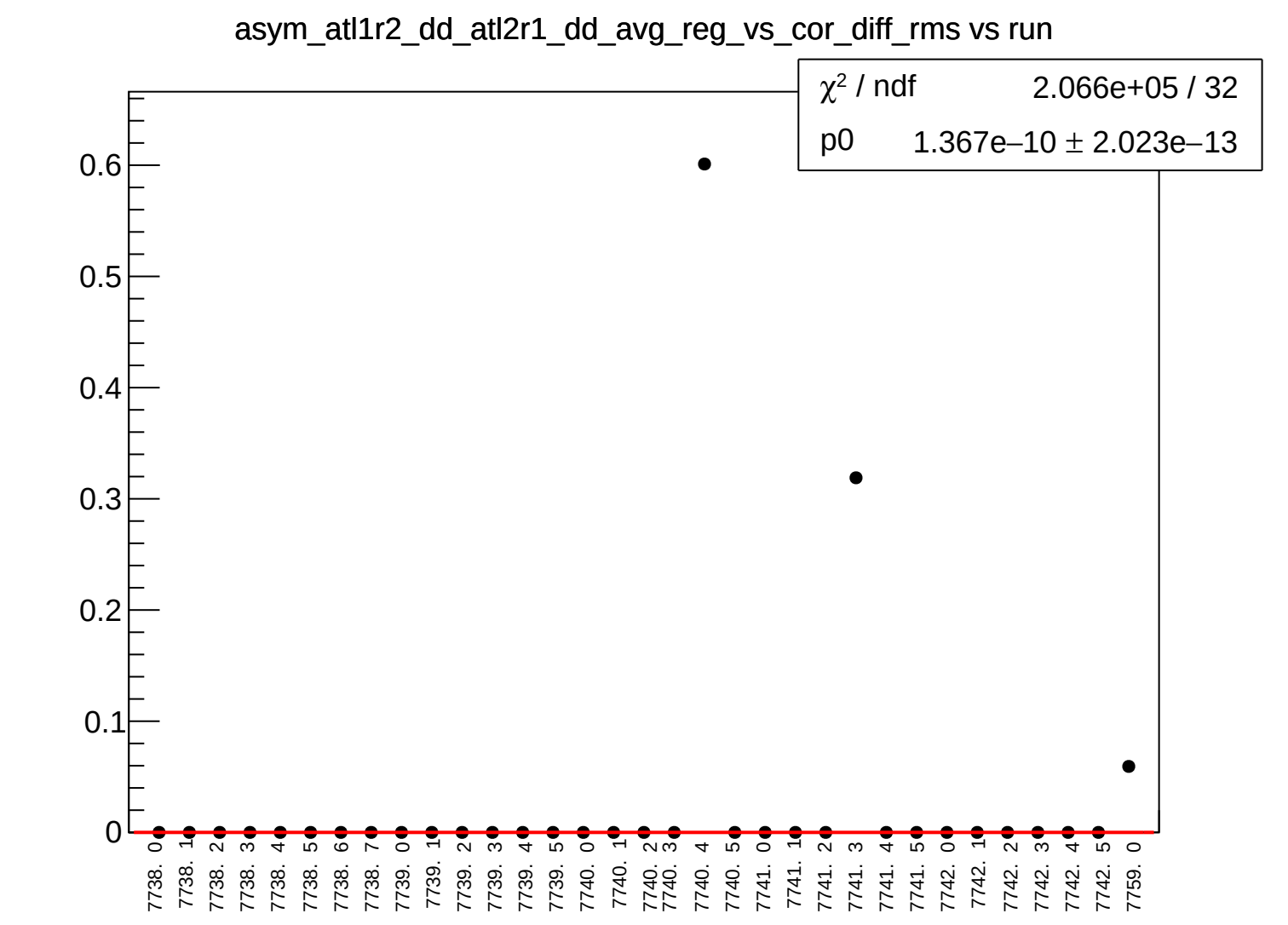

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 32.82 / 32
p0 1040 ± 3589
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −101.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

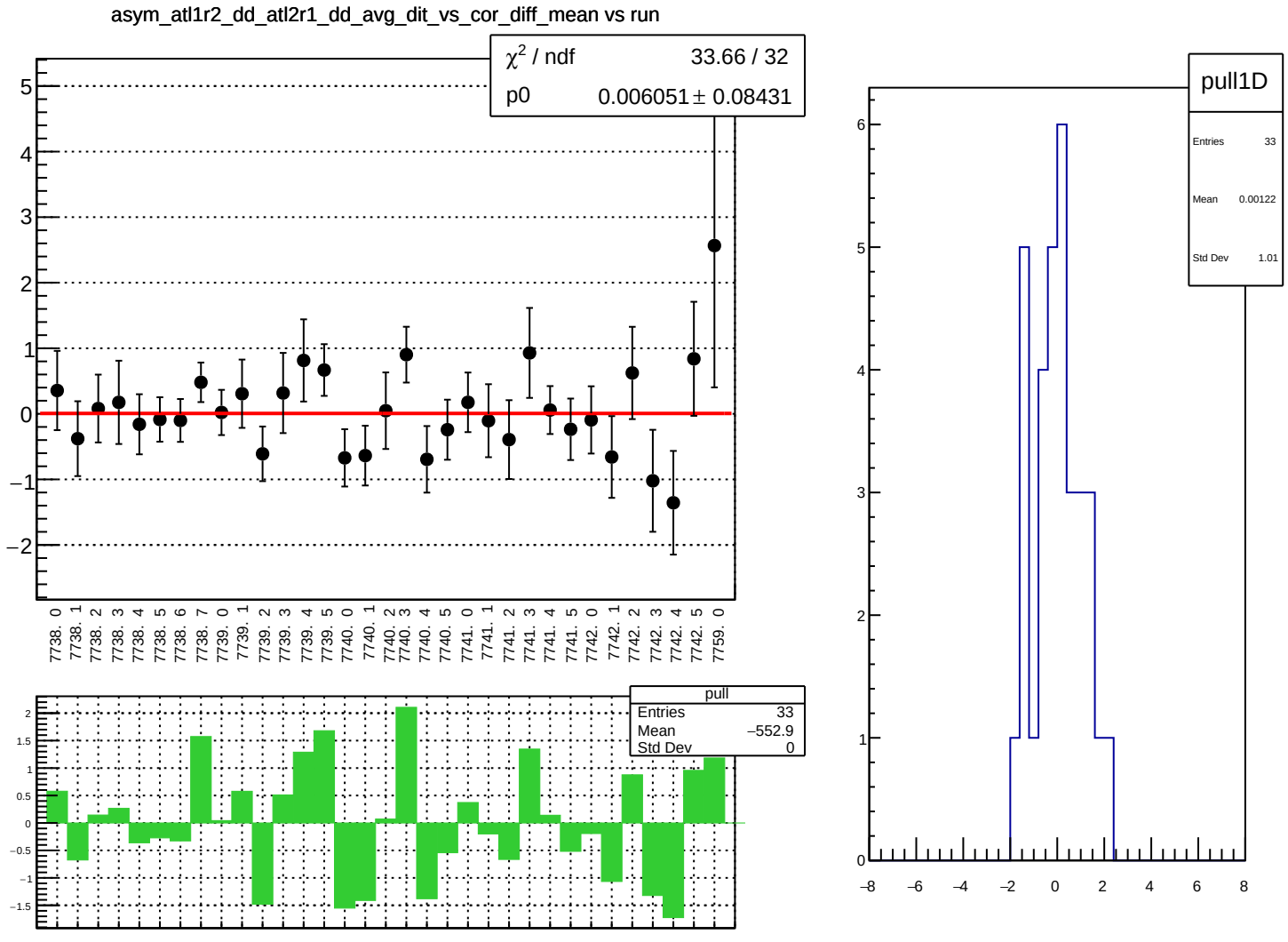

pull1D
Entries 33
Mean −0.02841
Std Dev 0.9968
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

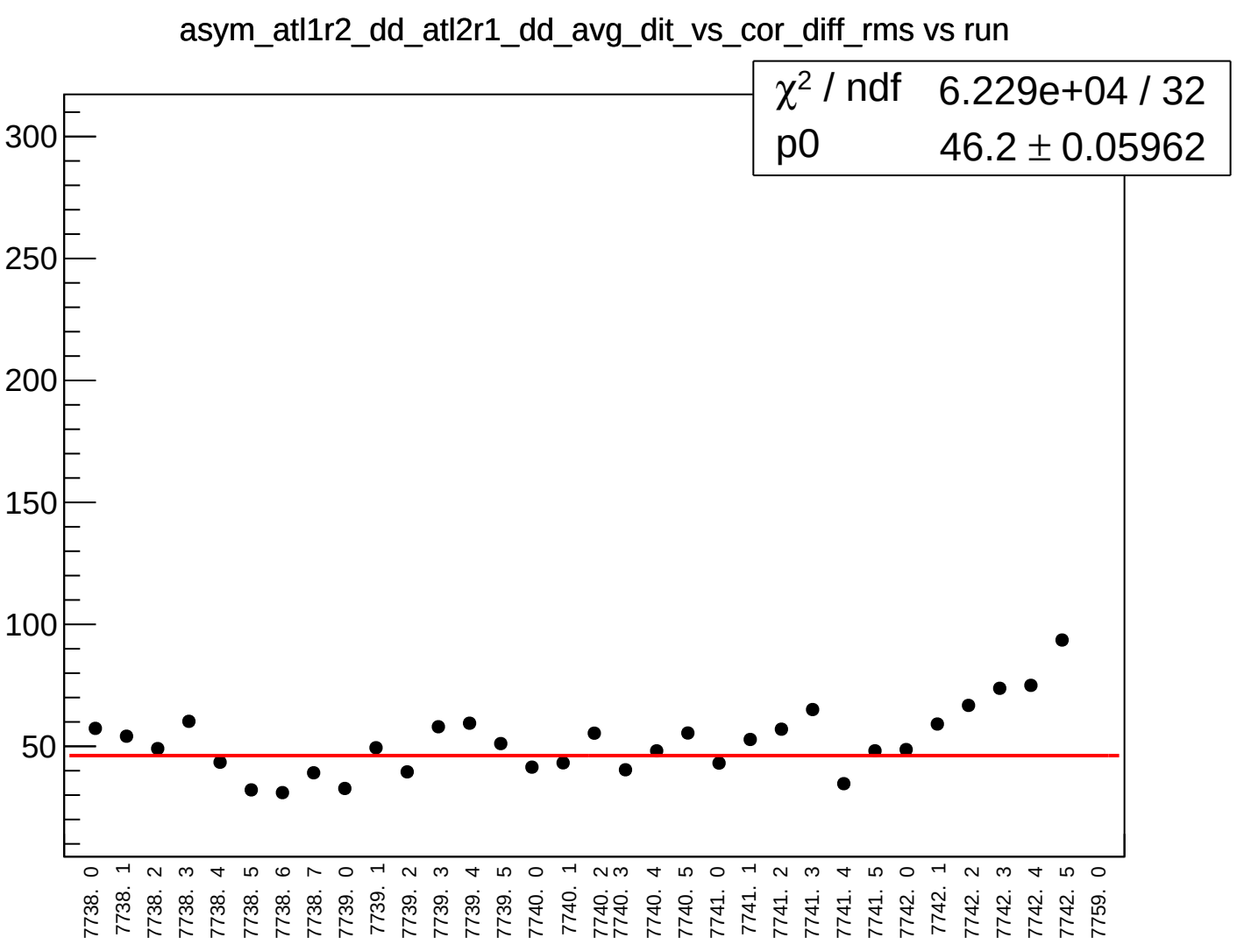

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1467 / 32
p0 2064 ± 2.537
2300
2200
2100
2000
1900
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

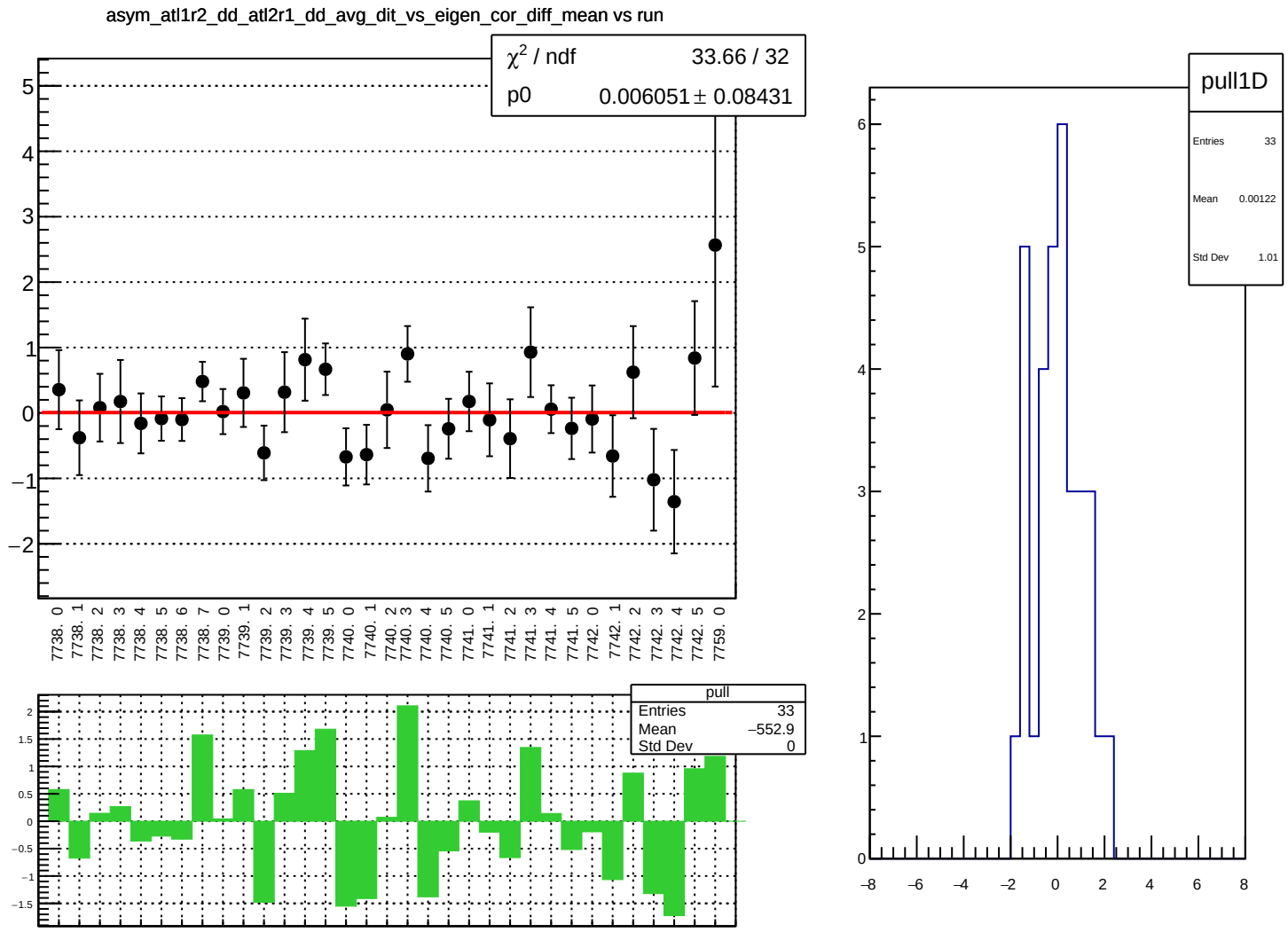

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 28.55 / 32
p0 1.738e−13 ± 2.862e−13
0.005
0
−0.005
−0.01
−0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −143.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

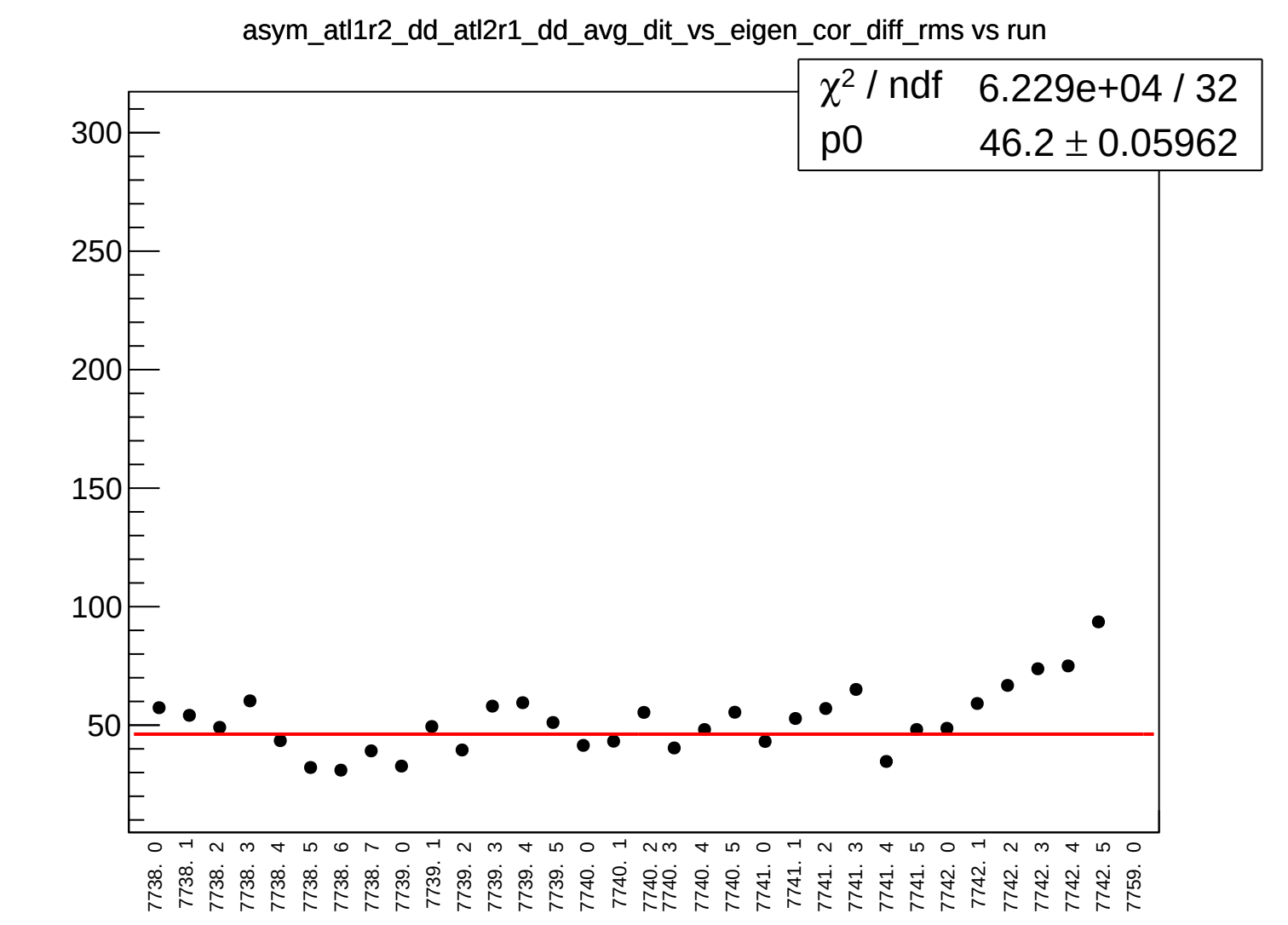

pull1D
Entries 33
Mean −0.003544
Std Dev 0.9301
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

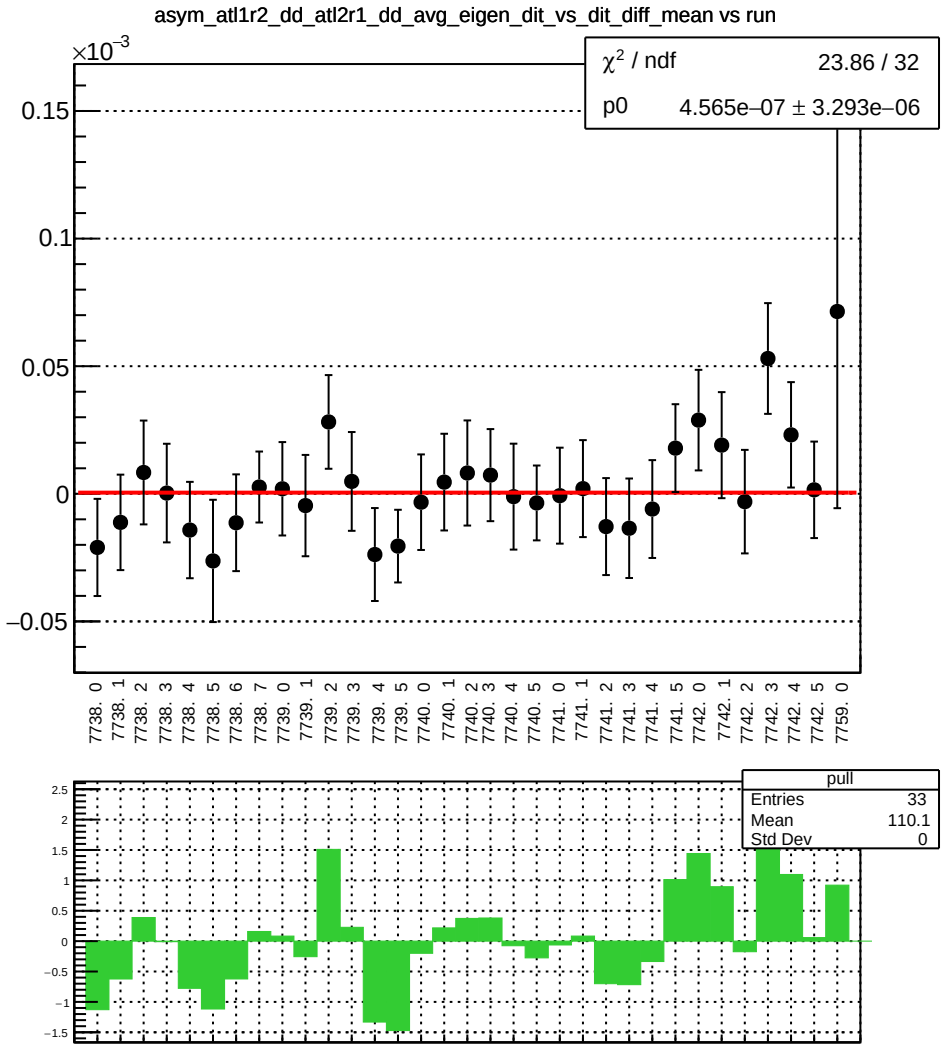

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.066e+05 / 32
p0 1.367e−10 ± 2.023e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

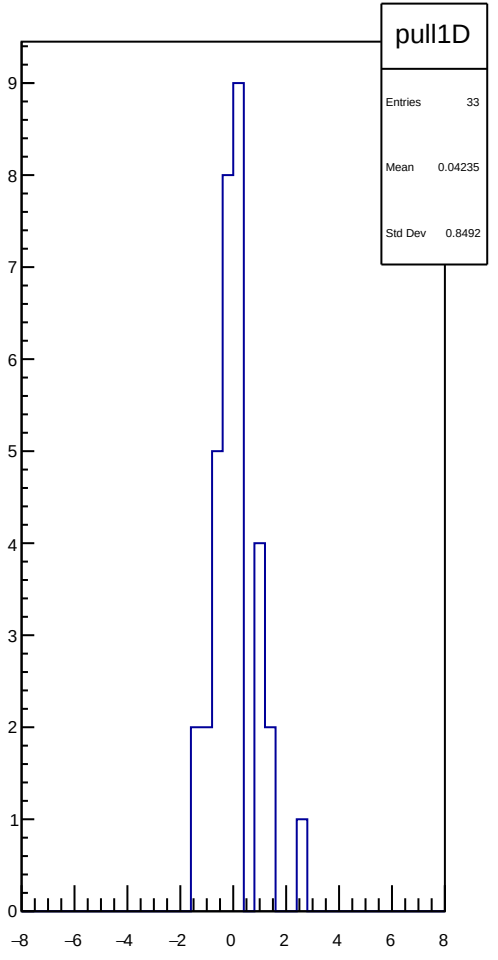

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 33.66 / 32
p0 0.006051 ± 0.08431
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −552.9
Std Dev 0
pull1D
Entries 33
Mean 0.00122
Std Dev 1.01

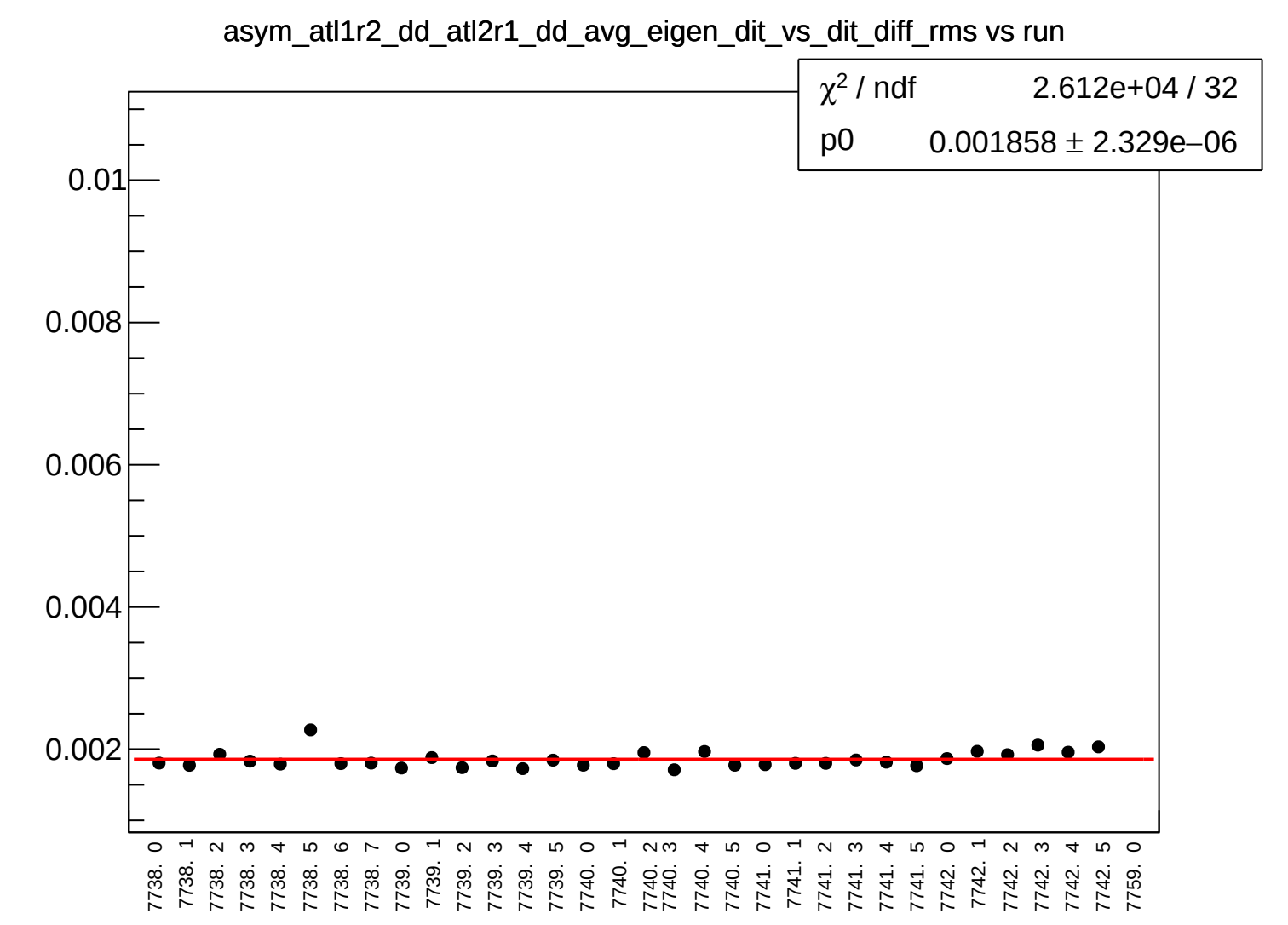

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.229e+04 / 32
p0 46.2 ± 0.05962
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

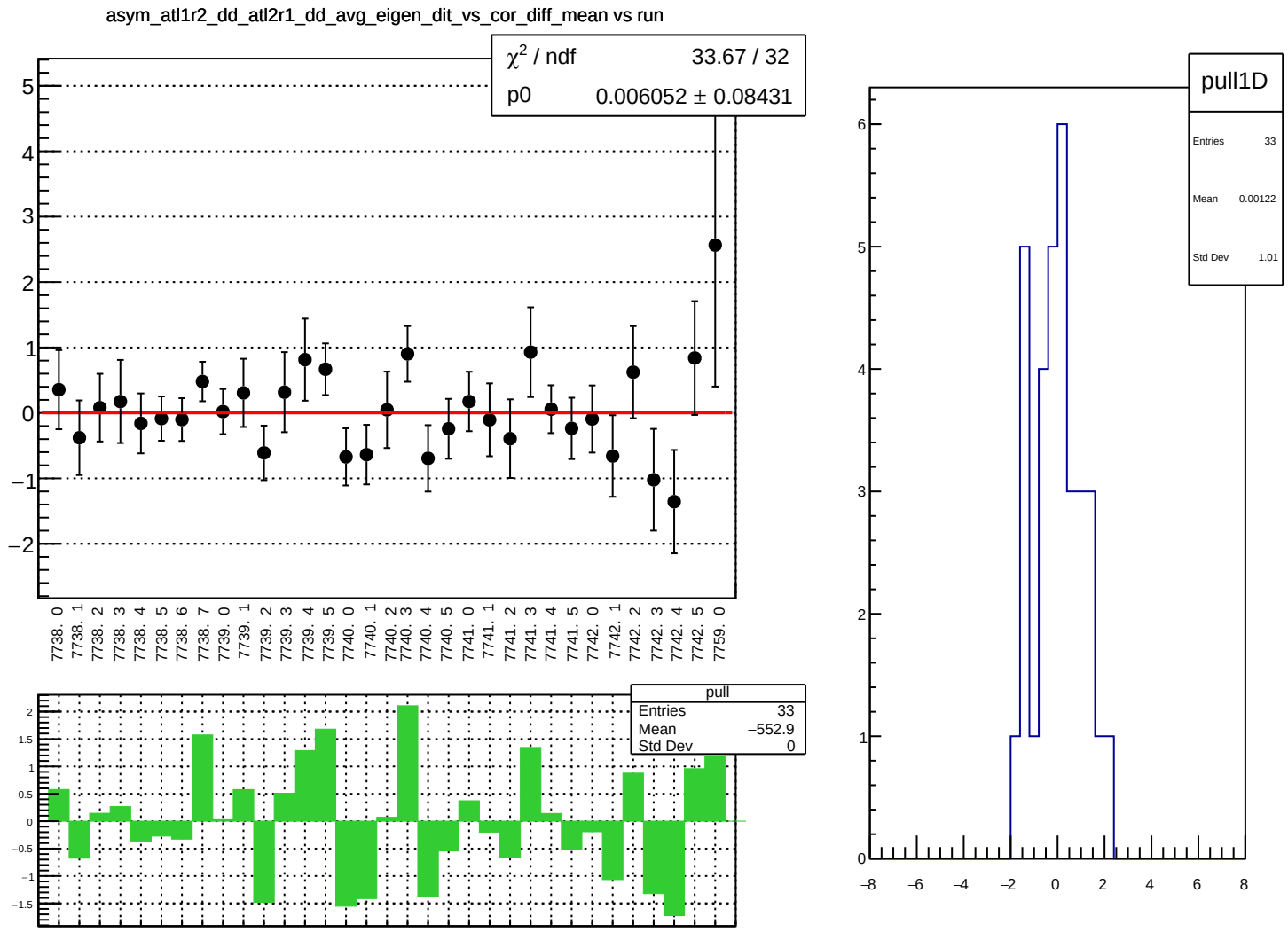

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.66 / 32
p0 0.006051 ± 0.08431
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −552.9
Std Dev 0
pull1D
Entries 33
Mean 0.00122
Std Dev 1.01

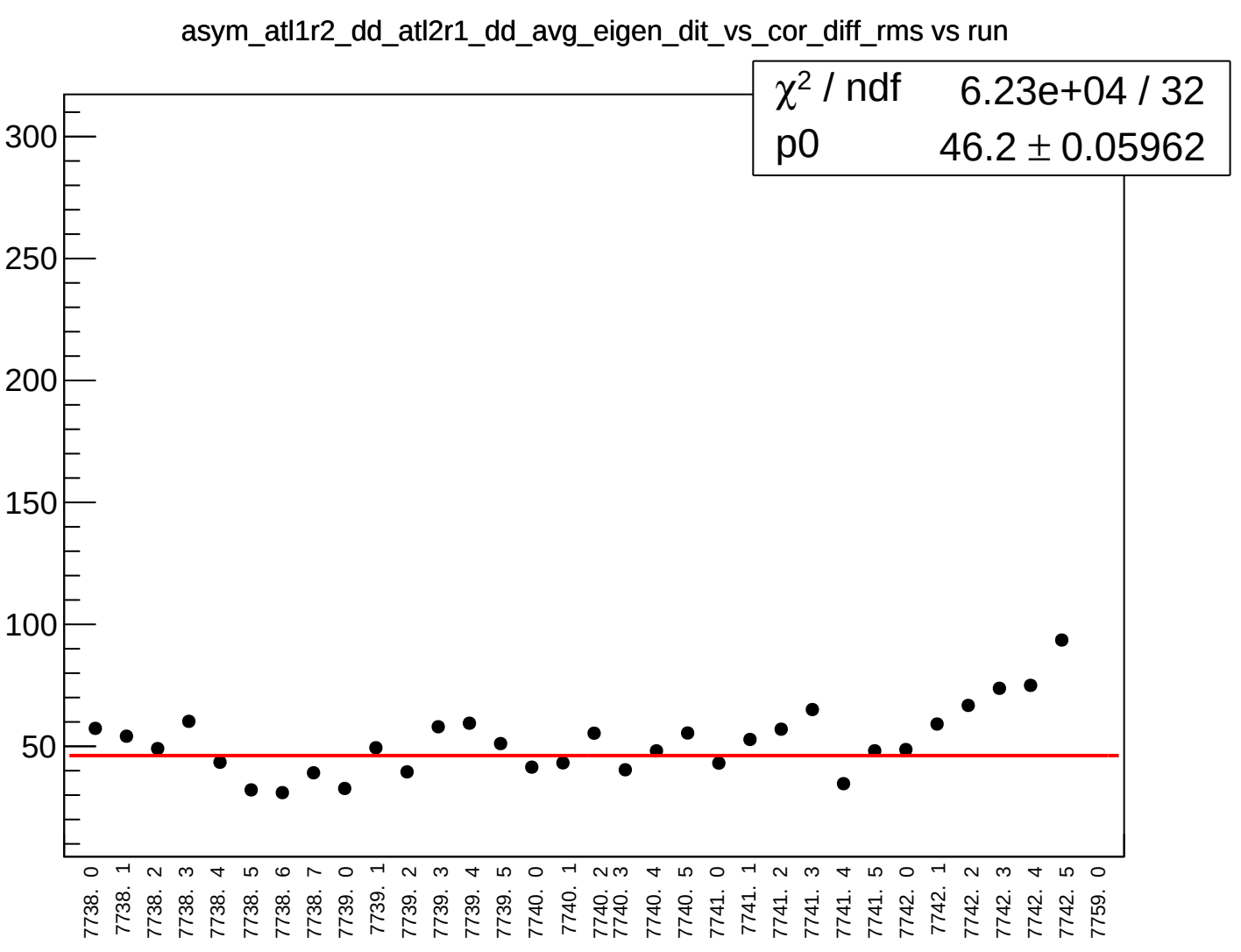

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.229e+04 / 32
p0 46.2 ± 0.05962
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

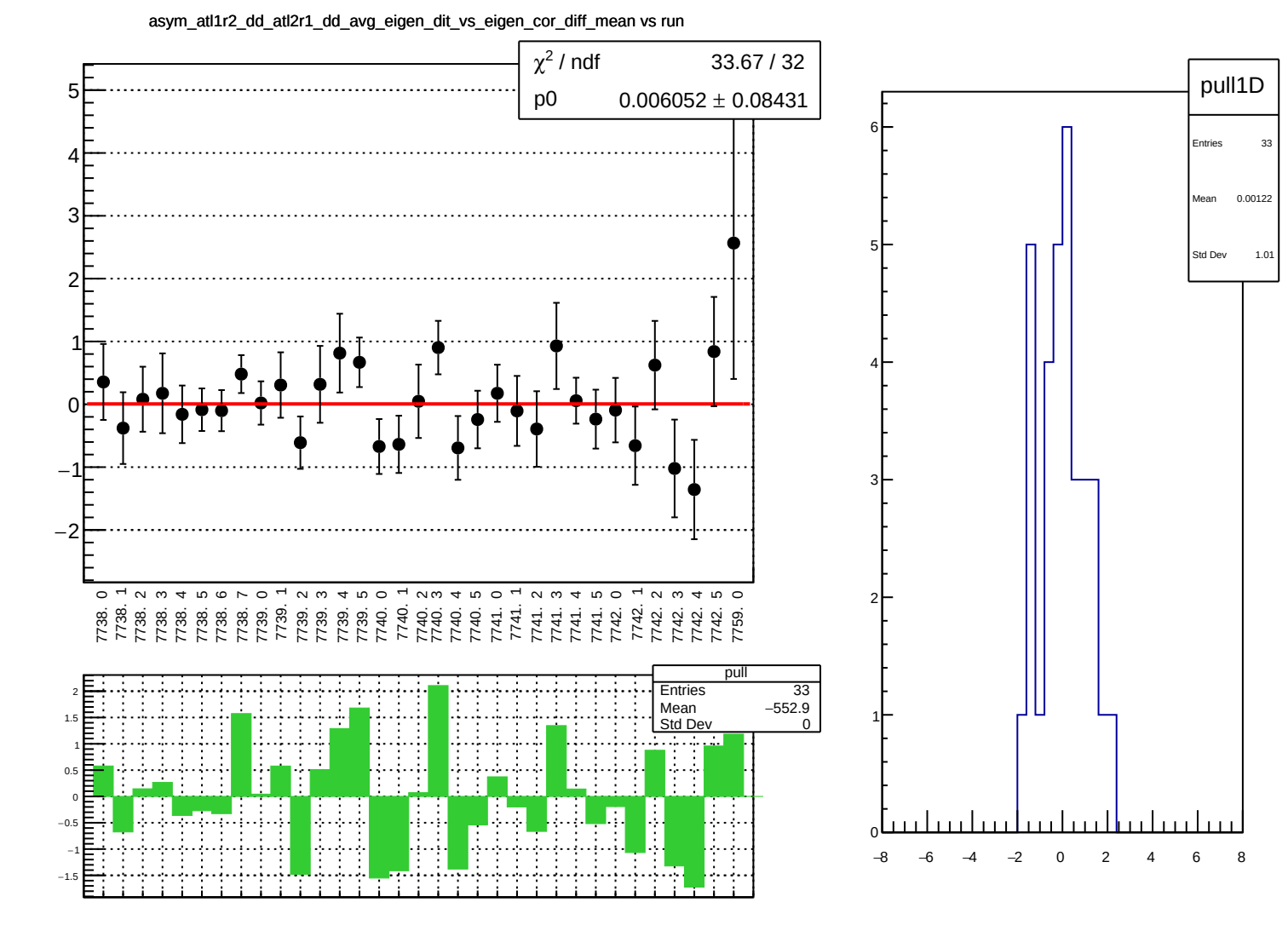

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 23.86 / 32
p0 4.565e−07 ± 3.293e−06
0.15
0.1
0.05
0
−0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 110.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

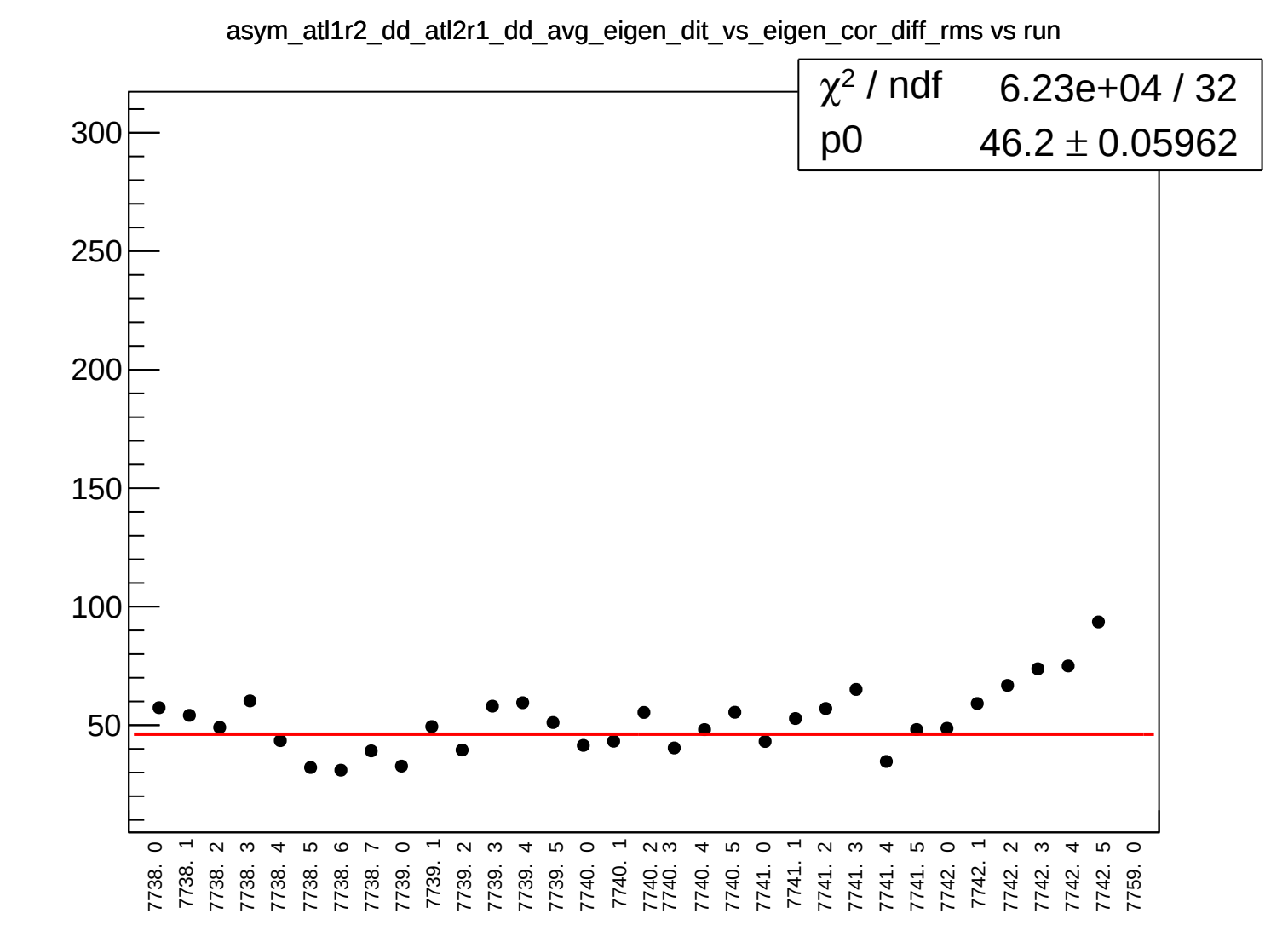

pull1D
Entries 33
Mean 0.04235
Std Dev 0.8492
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

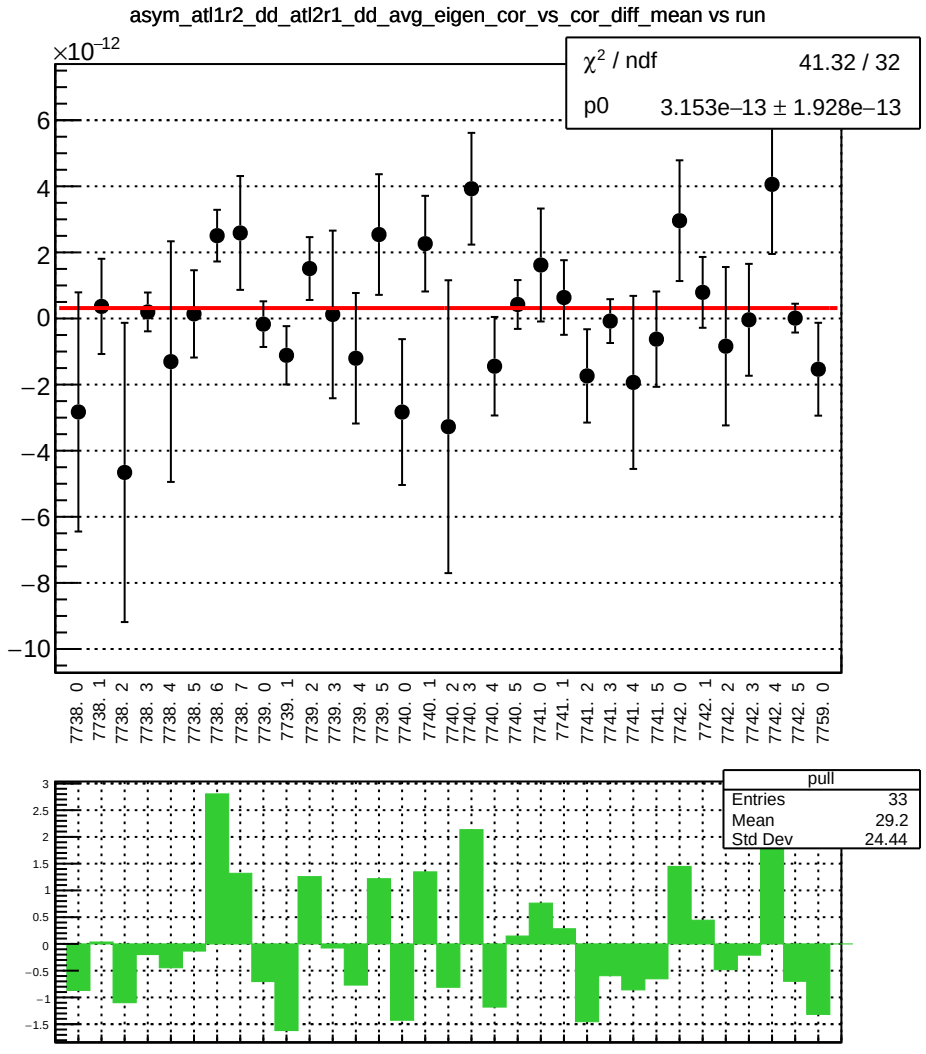

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.612e+04 / 32
p0 0.001858 ± 2.329e−06
0.01
0.008
0.006
0.004
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

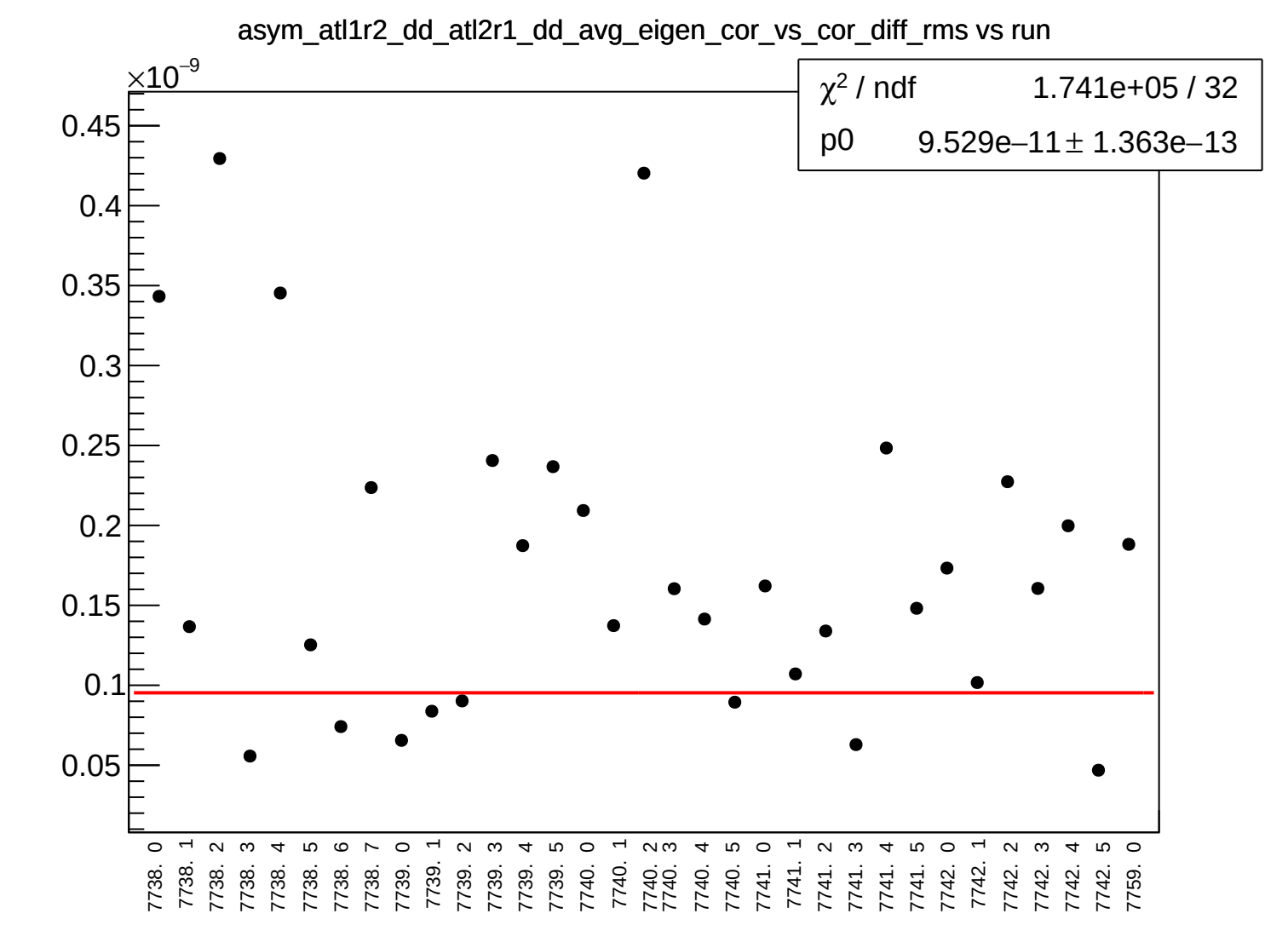

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.67 / 32
p0 0.006052 ± 0.08431
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −552.9
Std Dev 0
pull1D
Entries 33
Mean 0.00122
Std Dev 1.01

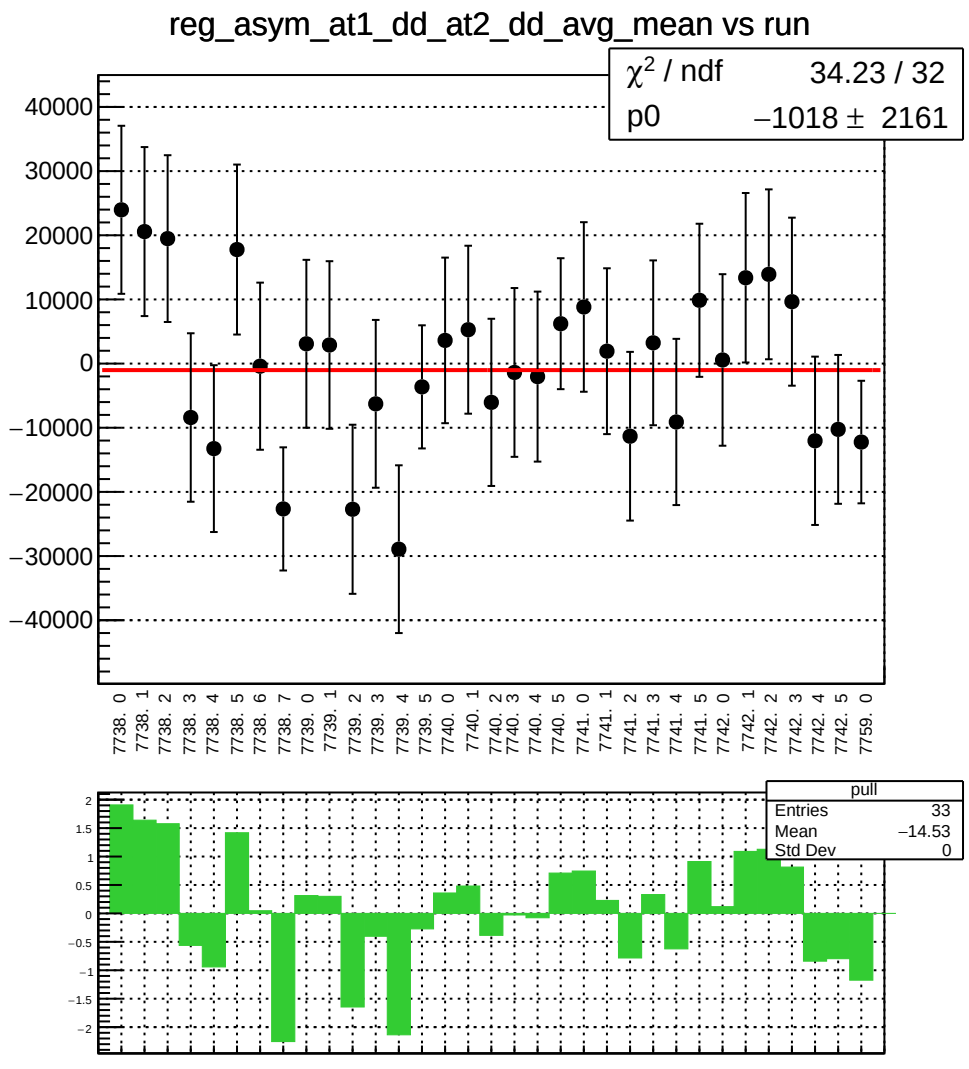

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.23e+04 / 32
p0 46.2 ± 0.05962
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

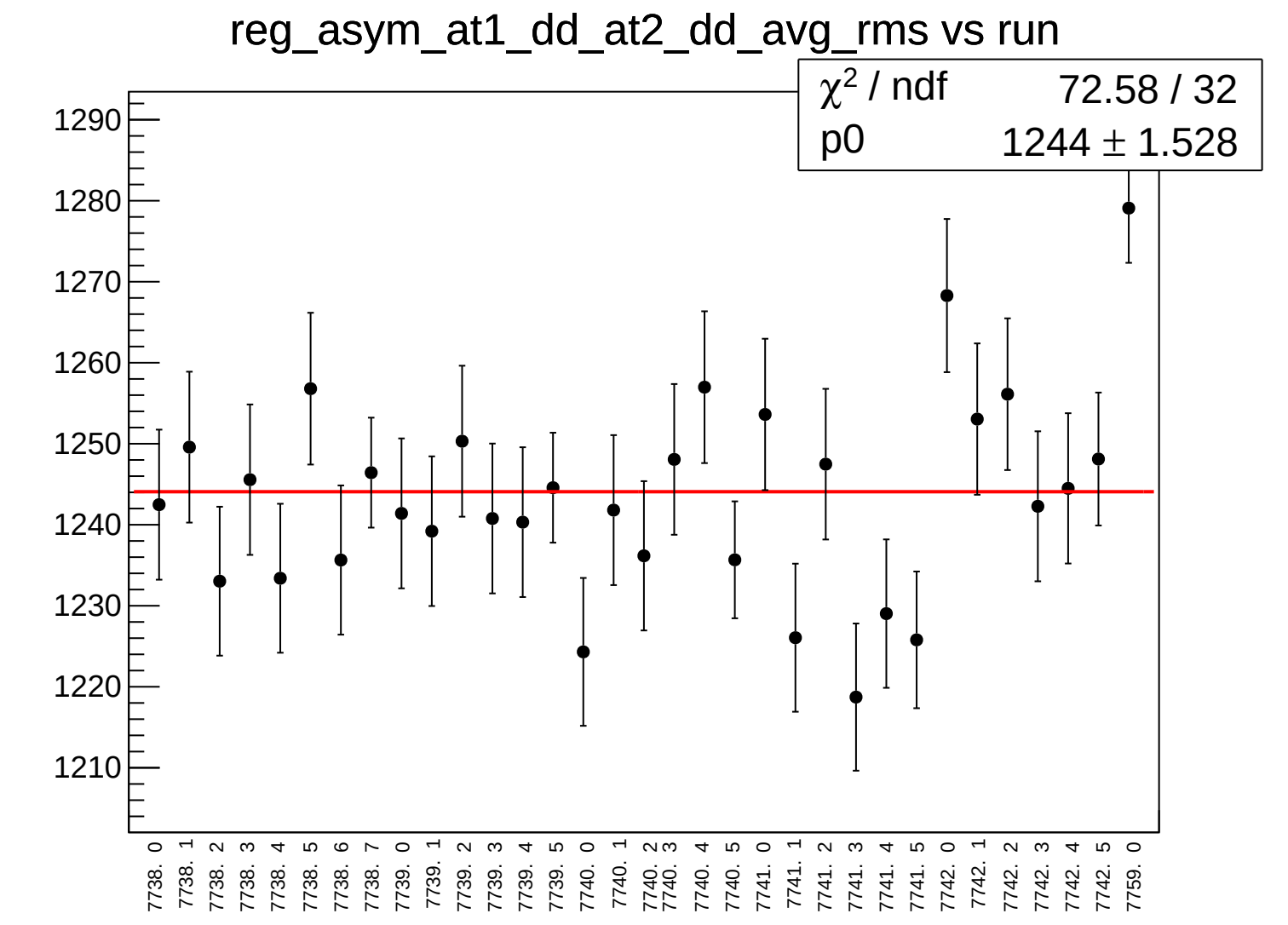

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.67 / 32
p0 0.006052 ± 0.08431
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −552.9
Std Dev 0
pull1D
Entries 33
Mean 0.00122
Std Dev 1.01

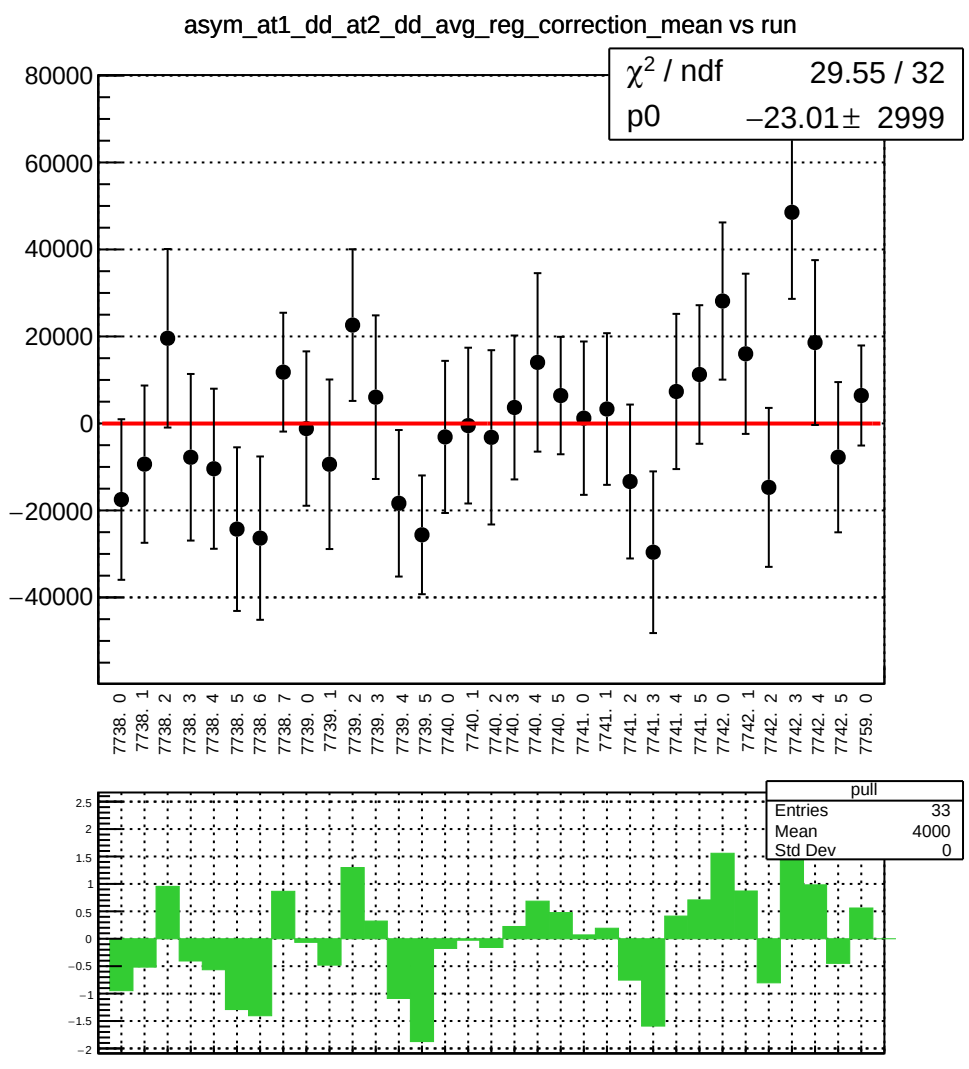

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.23e+04 / 32
p0 46.2 ± 0.05962
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

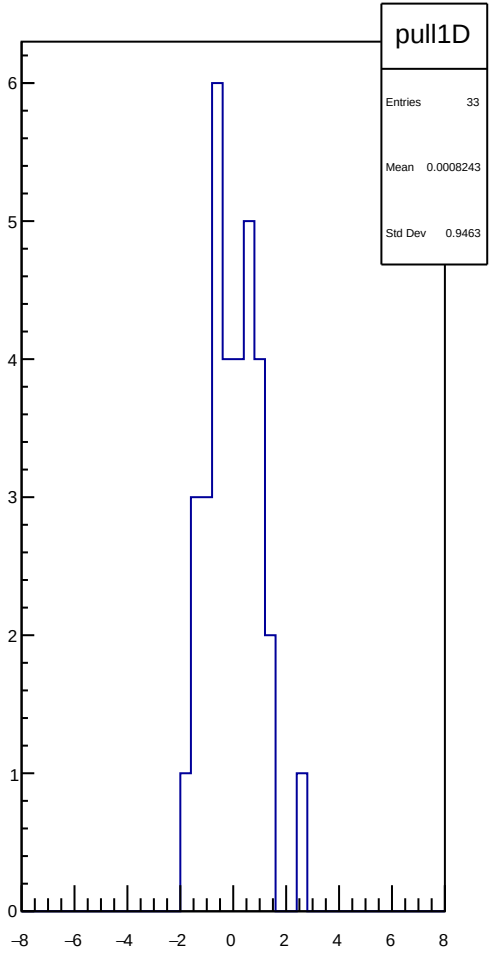

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.32 / 32
p0 3.153e−13 ± 1.928e−13
6
4
2
0
−2
−4
−6
−8
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.2
Std Dev 24.44
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01864
Std Dev 1.119
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

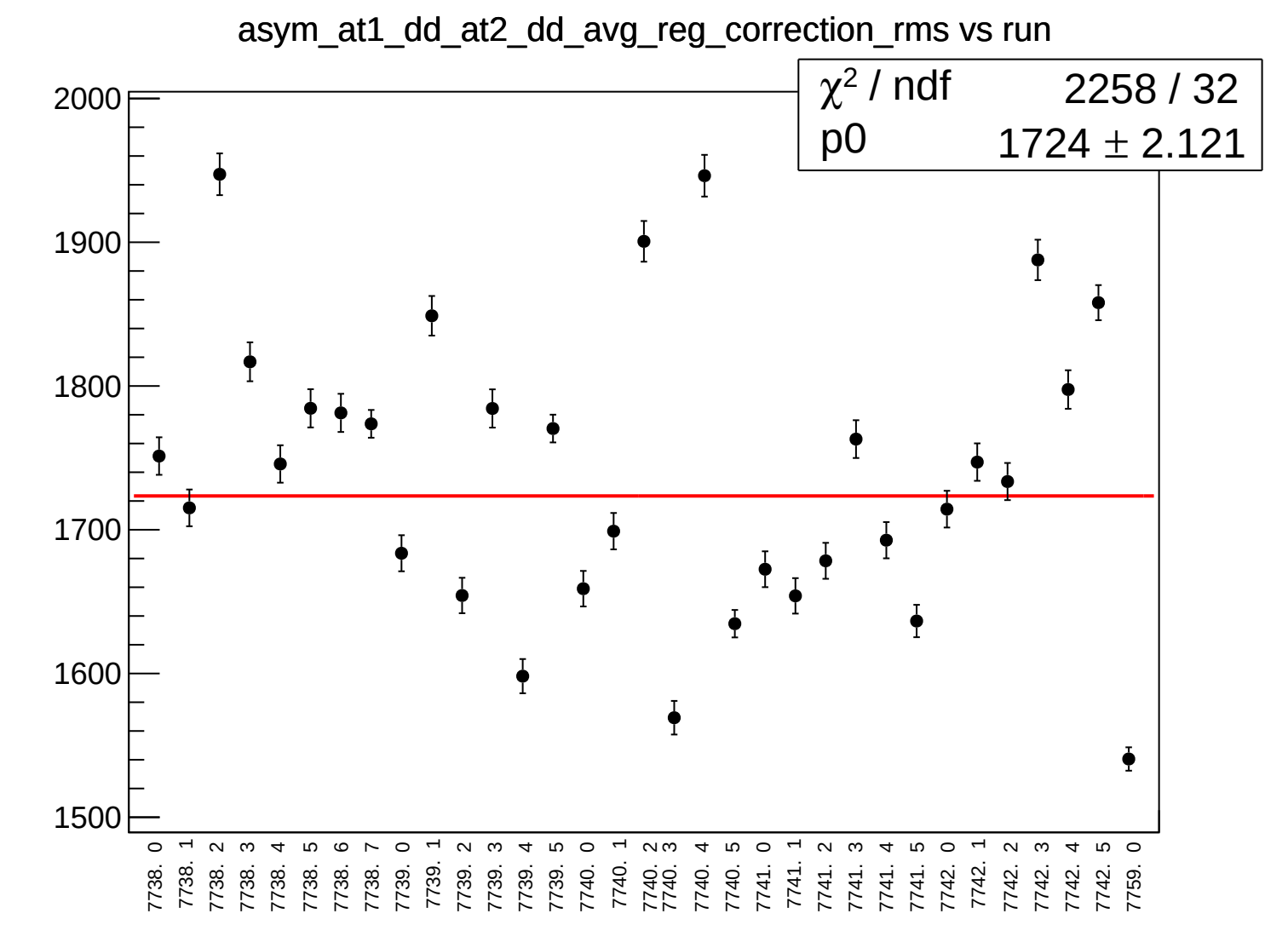

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.741e+05 / 32
p0 9.529e−11 ± 1.363e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

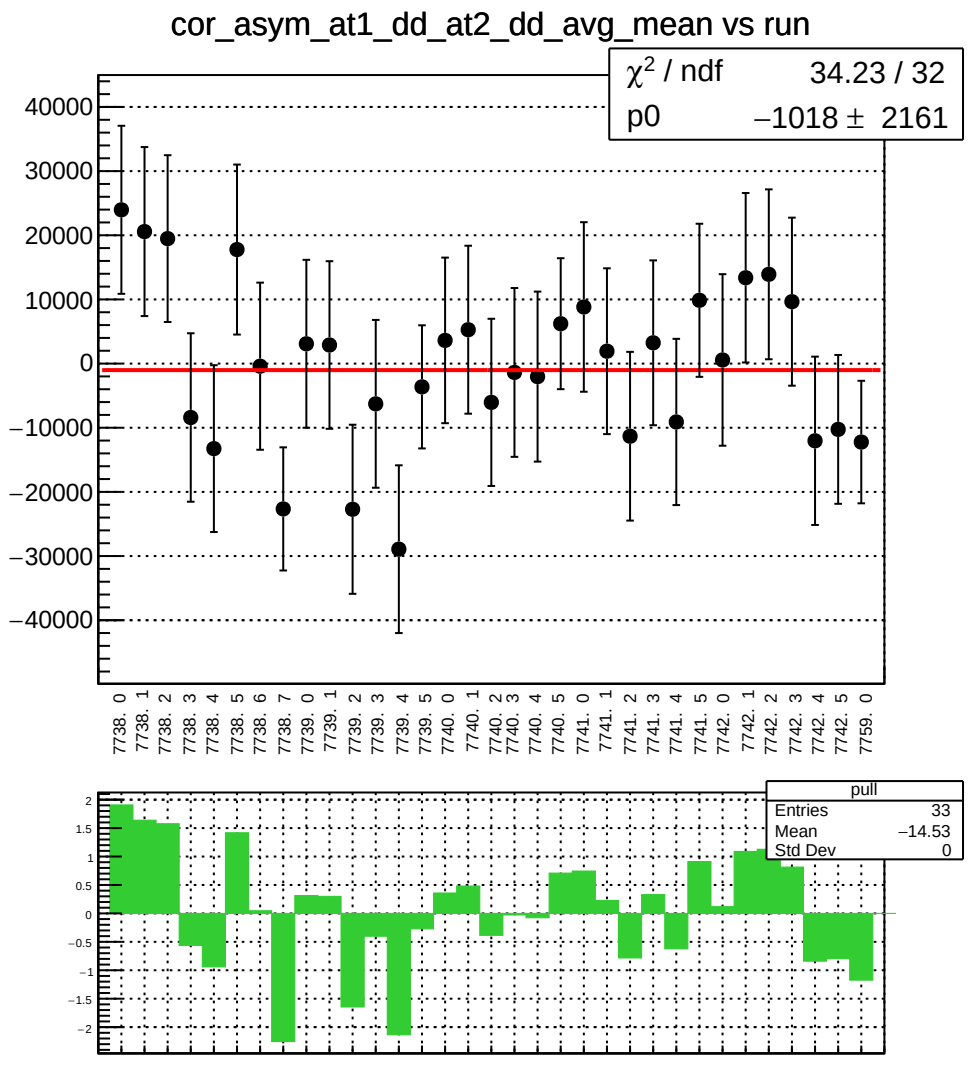

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 34.23 / 32
p0 −1018 ± 2161
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03636
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

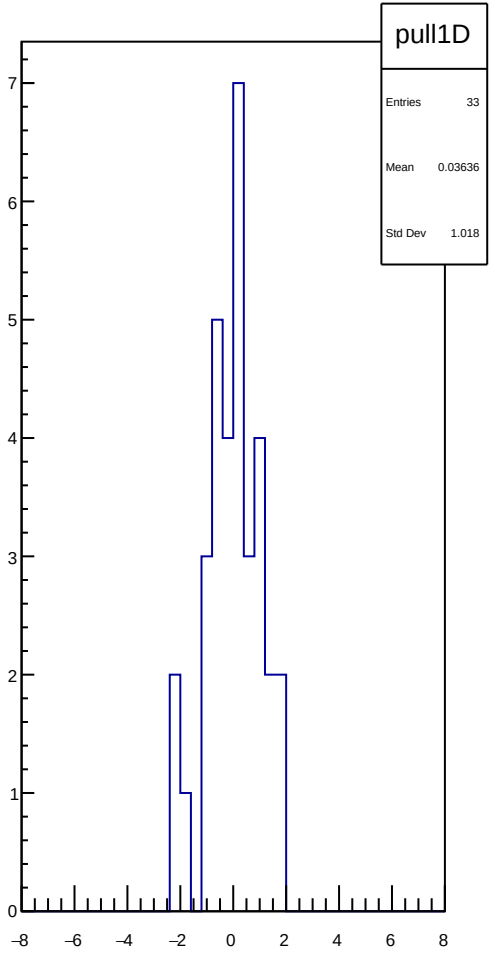

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 72.58 / 32
p0 1244 ± 1.528
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

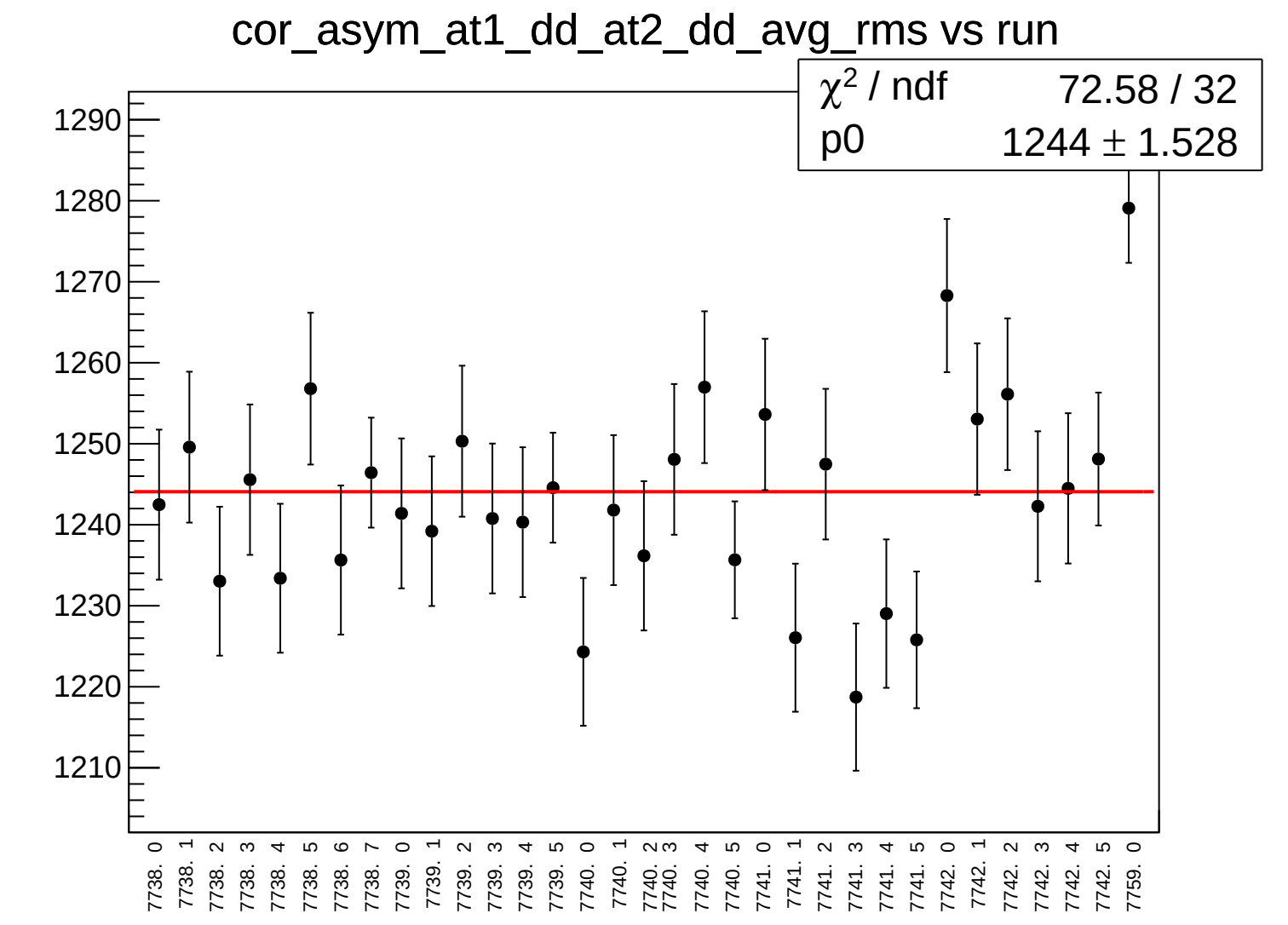

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 29.55 / 32
p0 −23.01± 2999
80000
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4000
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

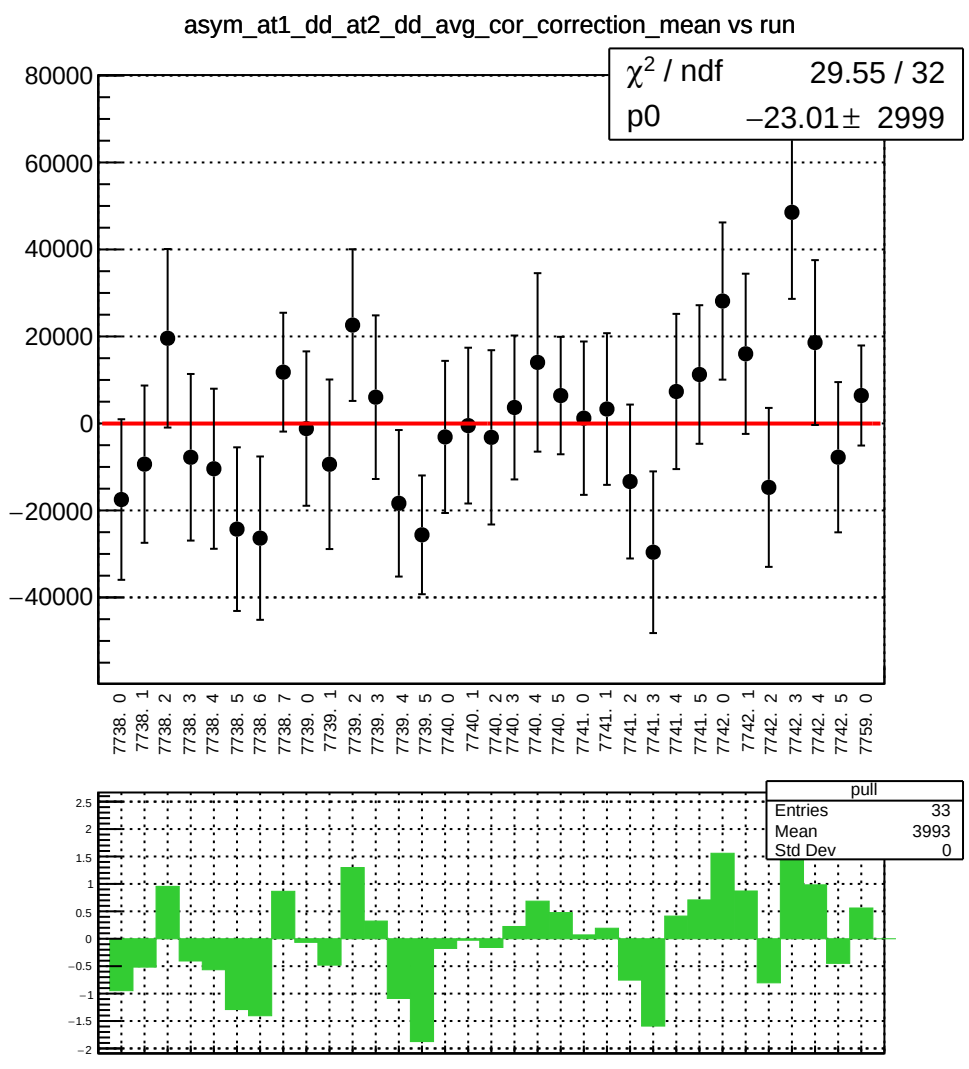

pull1D
Entries 33
Mean 0.0008243
Std Dev 0.9463
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

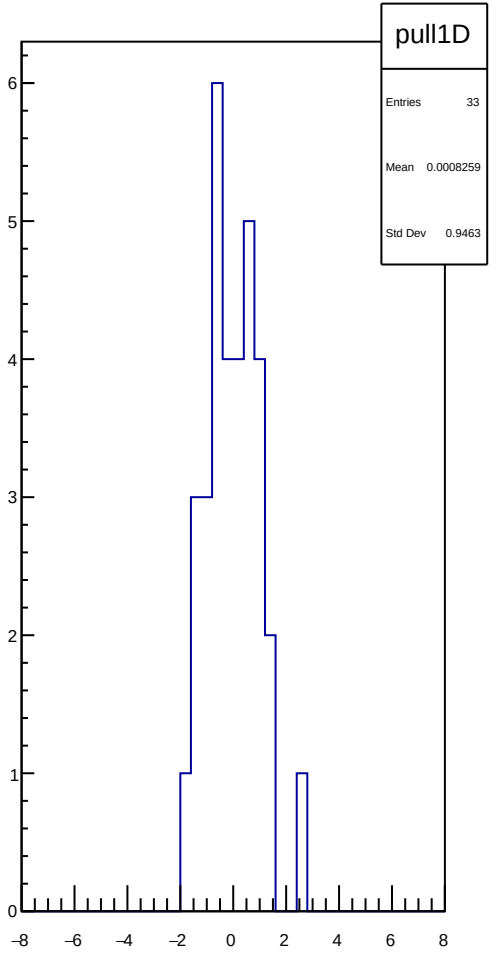

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 2258 / 32
p0 1724 ± 2.121
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

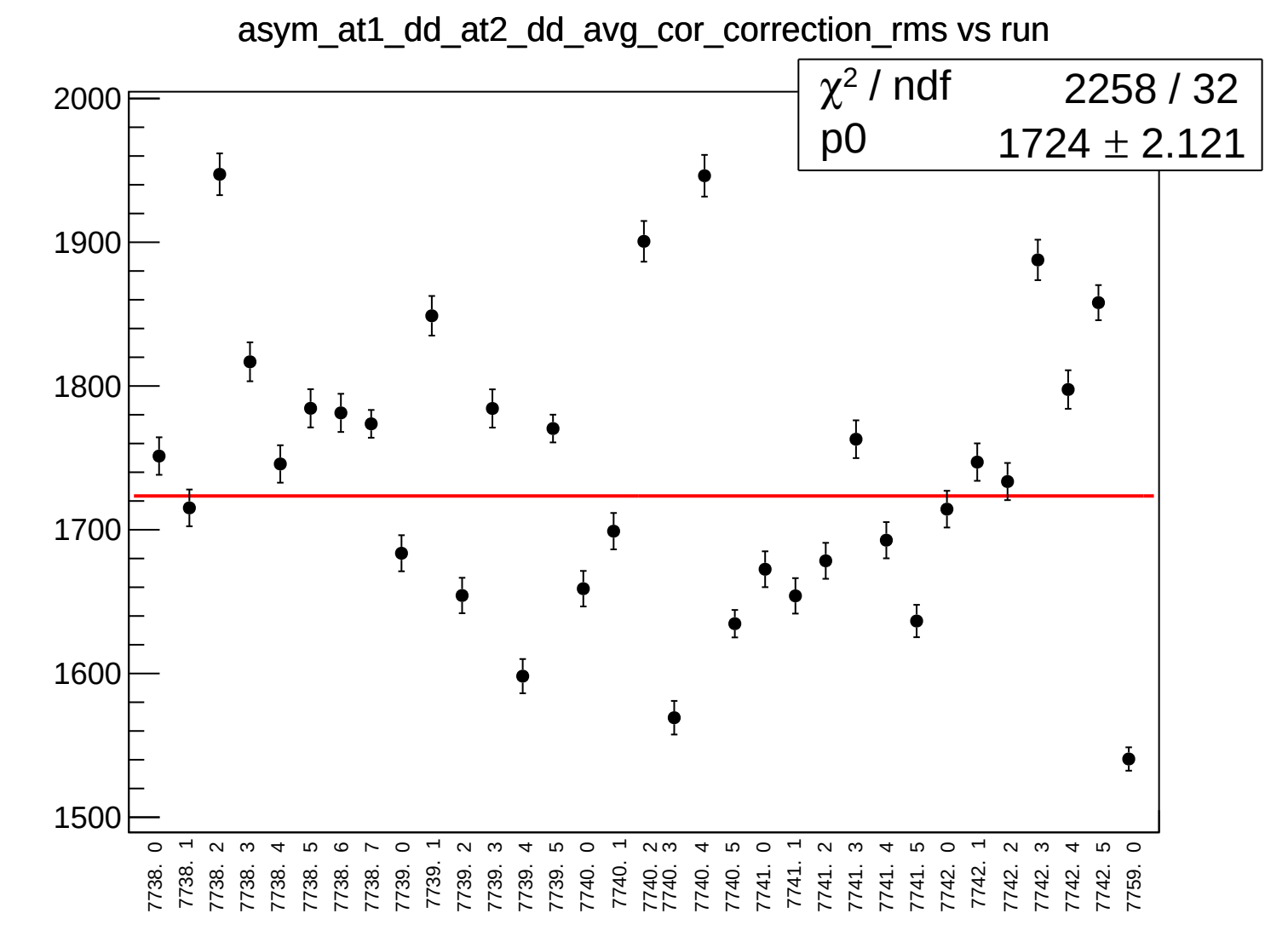

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 34.23 / 32
p0 −1018 ± 2161
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

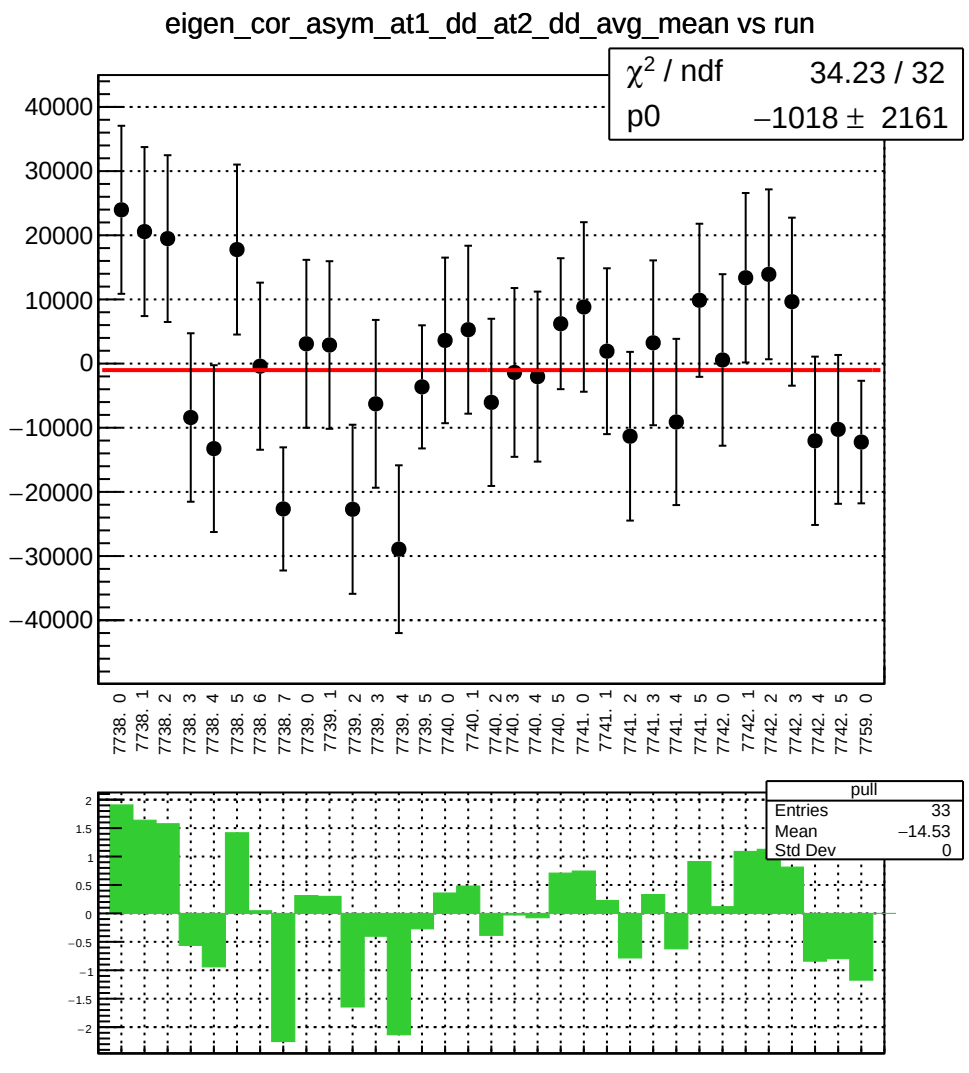

pull1D
Entries 33
Mean 0.03636
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

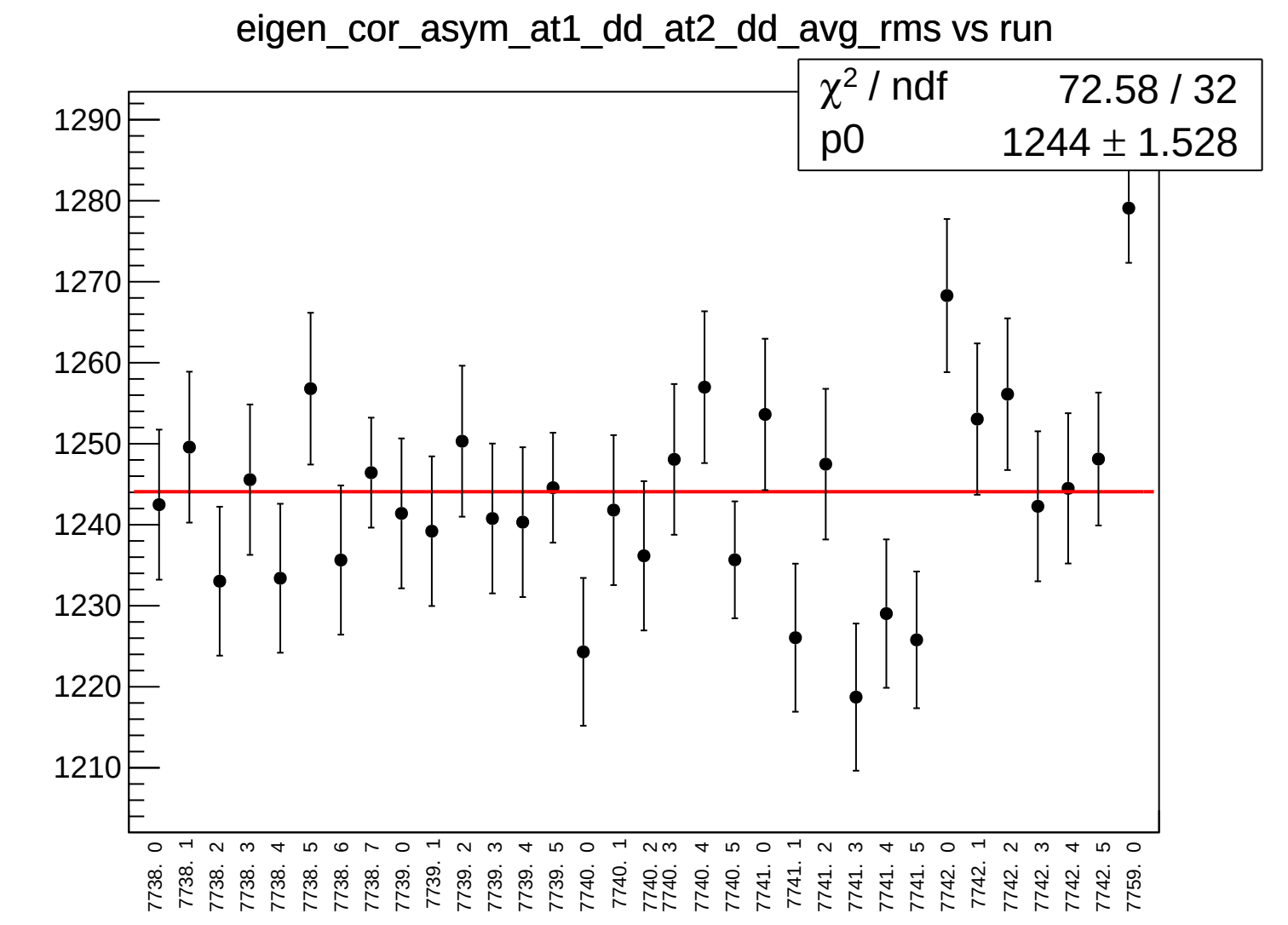

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 72.58 / 32
p0 1244 ± 1.528
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

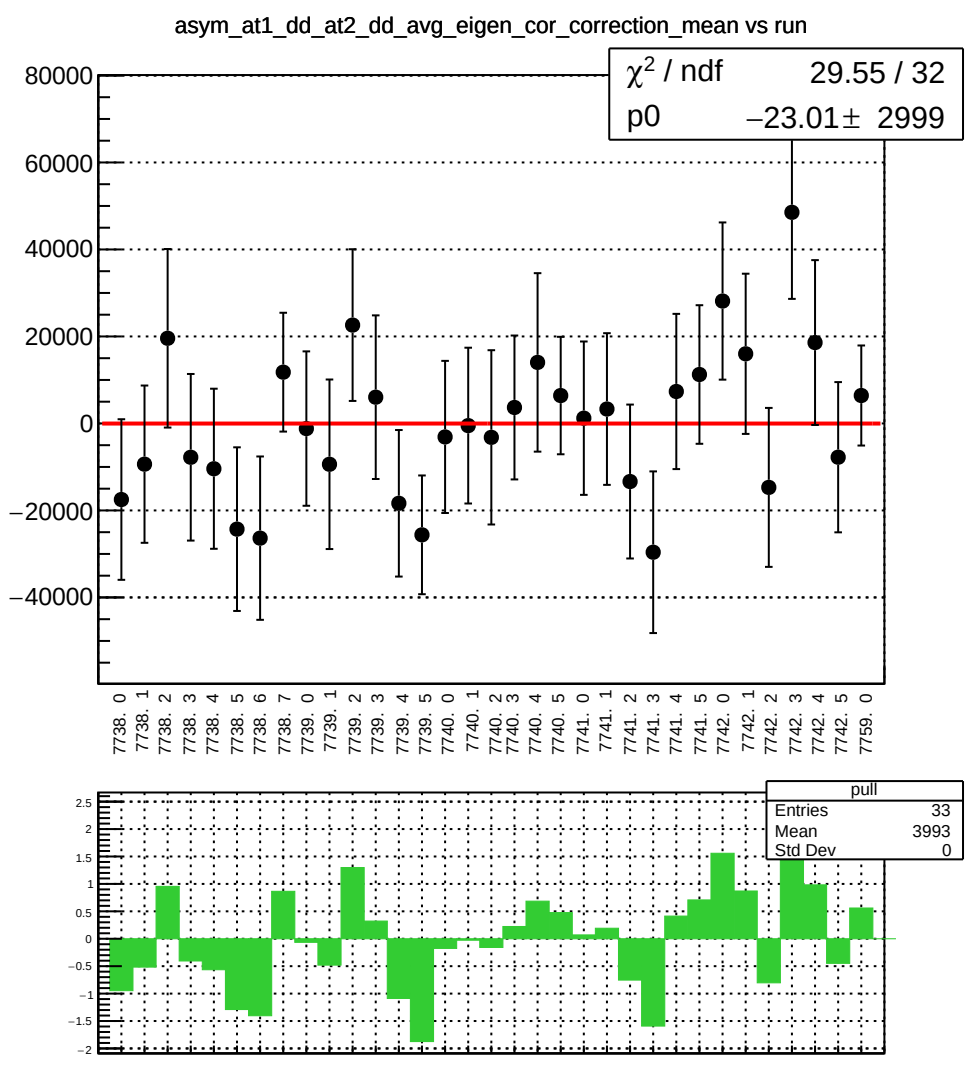

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 29.55 / 32
p0 −23.01± 2999
80000
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3993
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

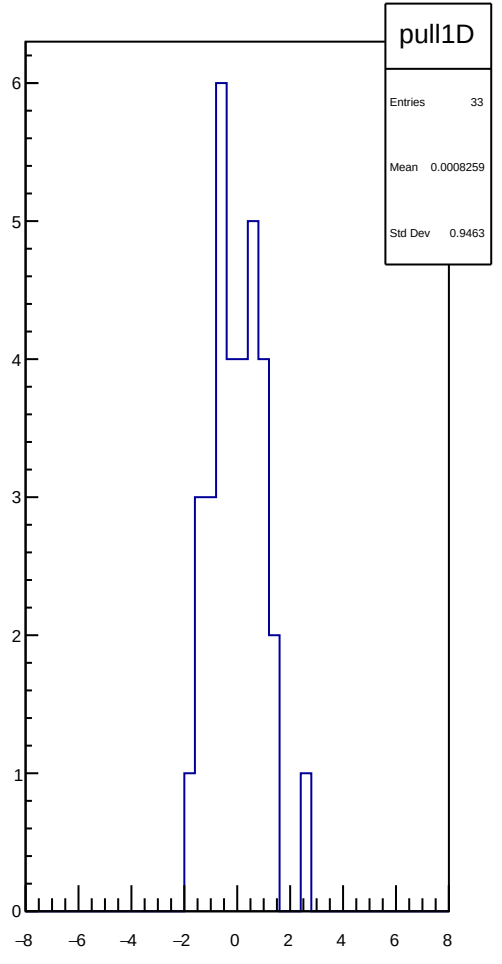

pull1D
Entries 33
Mean 0.0008259
Std Dev 0.9463
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

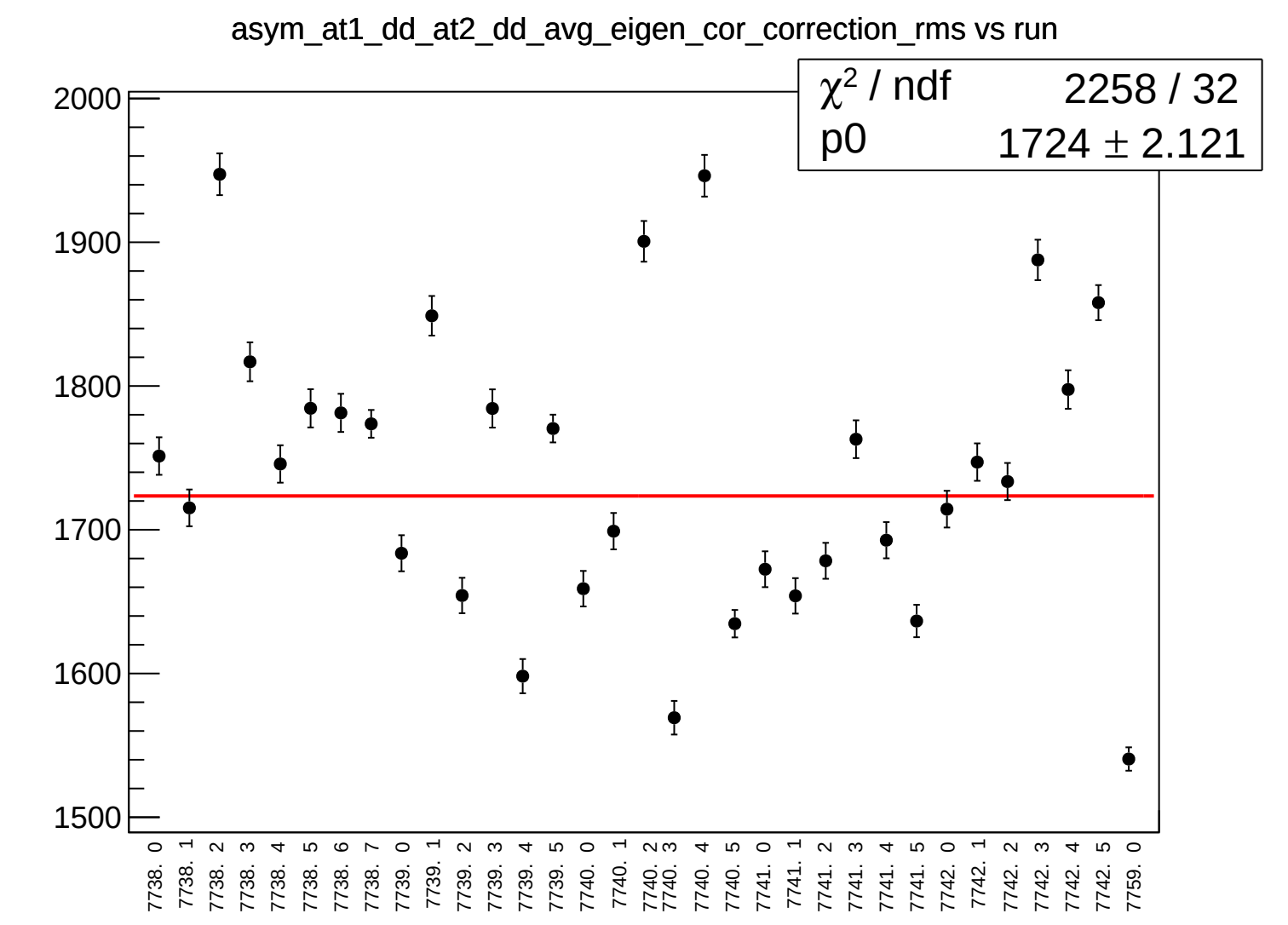

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 2258 / 32
p0 1724 ± 2.121
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

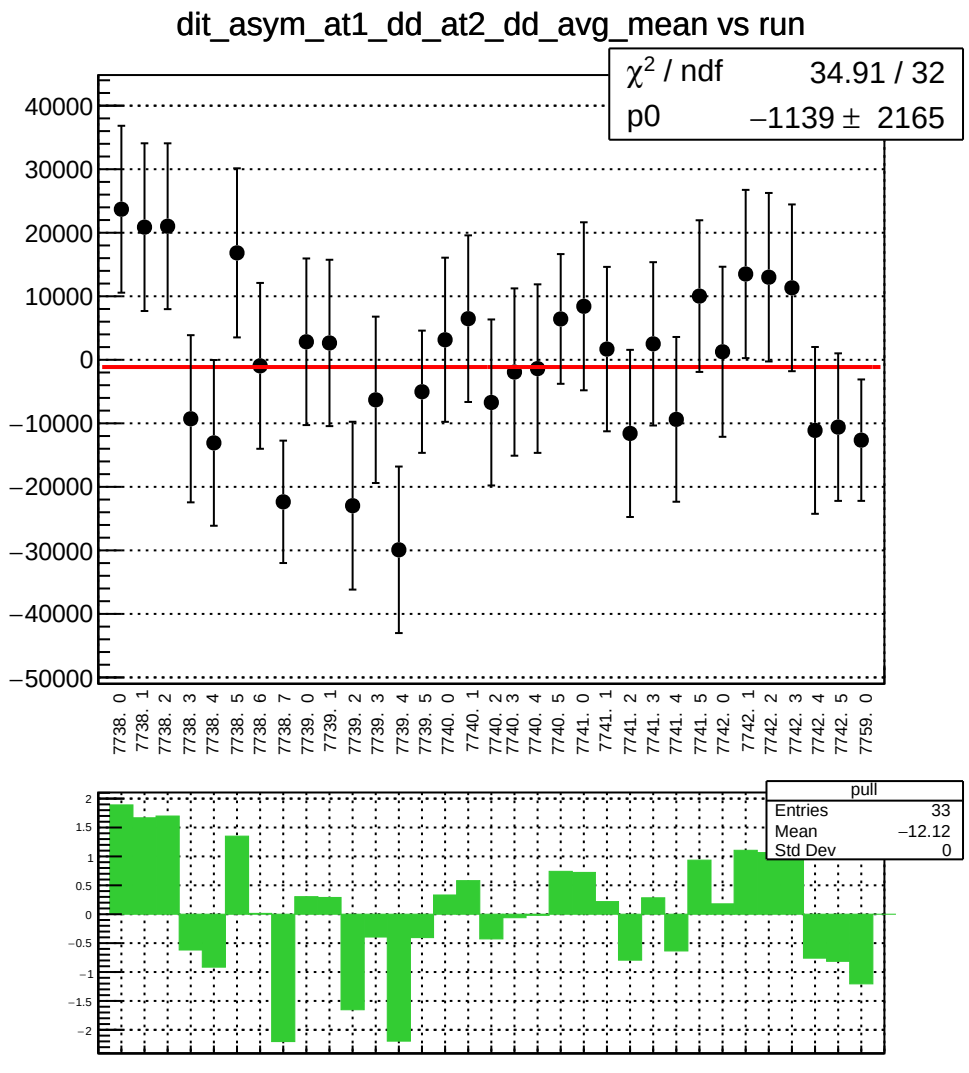

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 34.23 / 32
p0 −1018 ± 2161
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03636
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

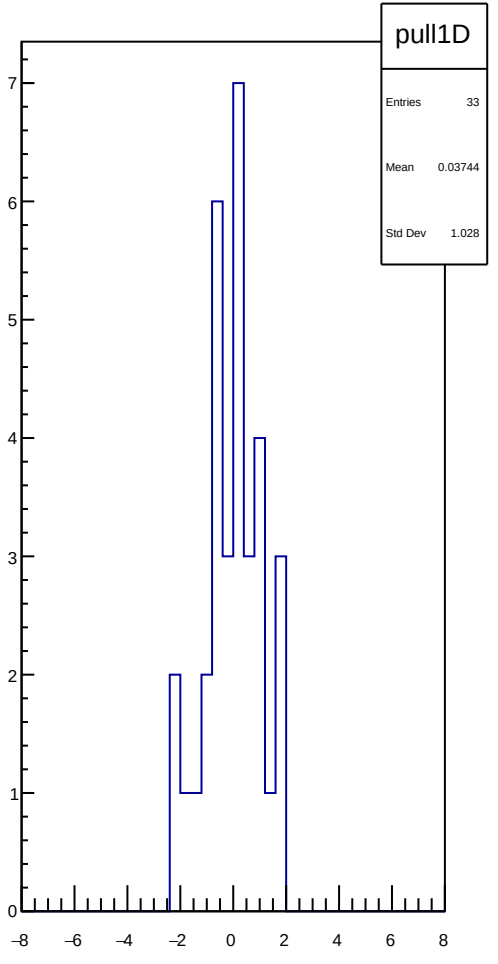

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 72.58 / 32
p0 1244 ± 1.528
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

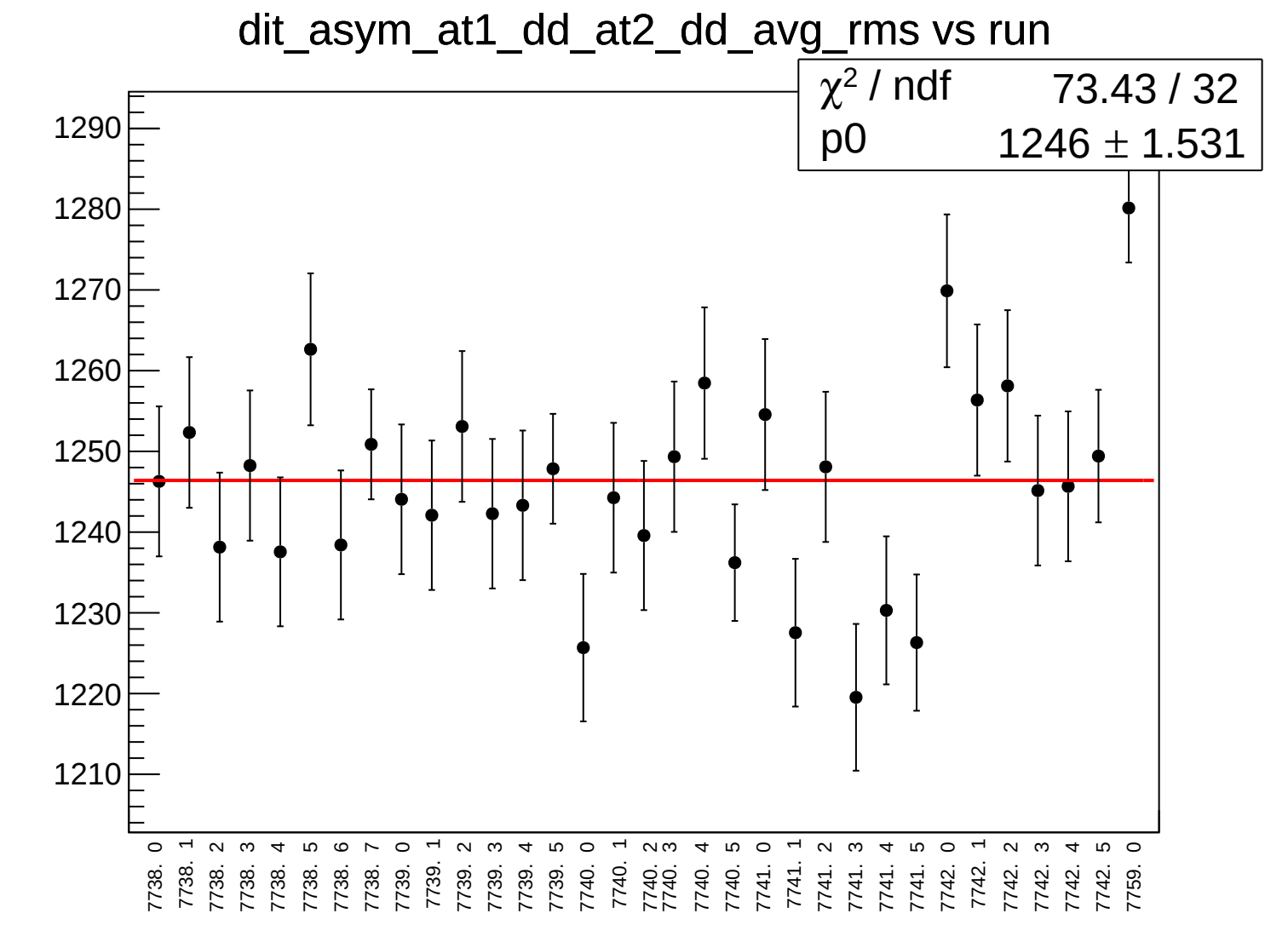

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 29.55 / 32
p0 −23.01± 2999
80000
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3993
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

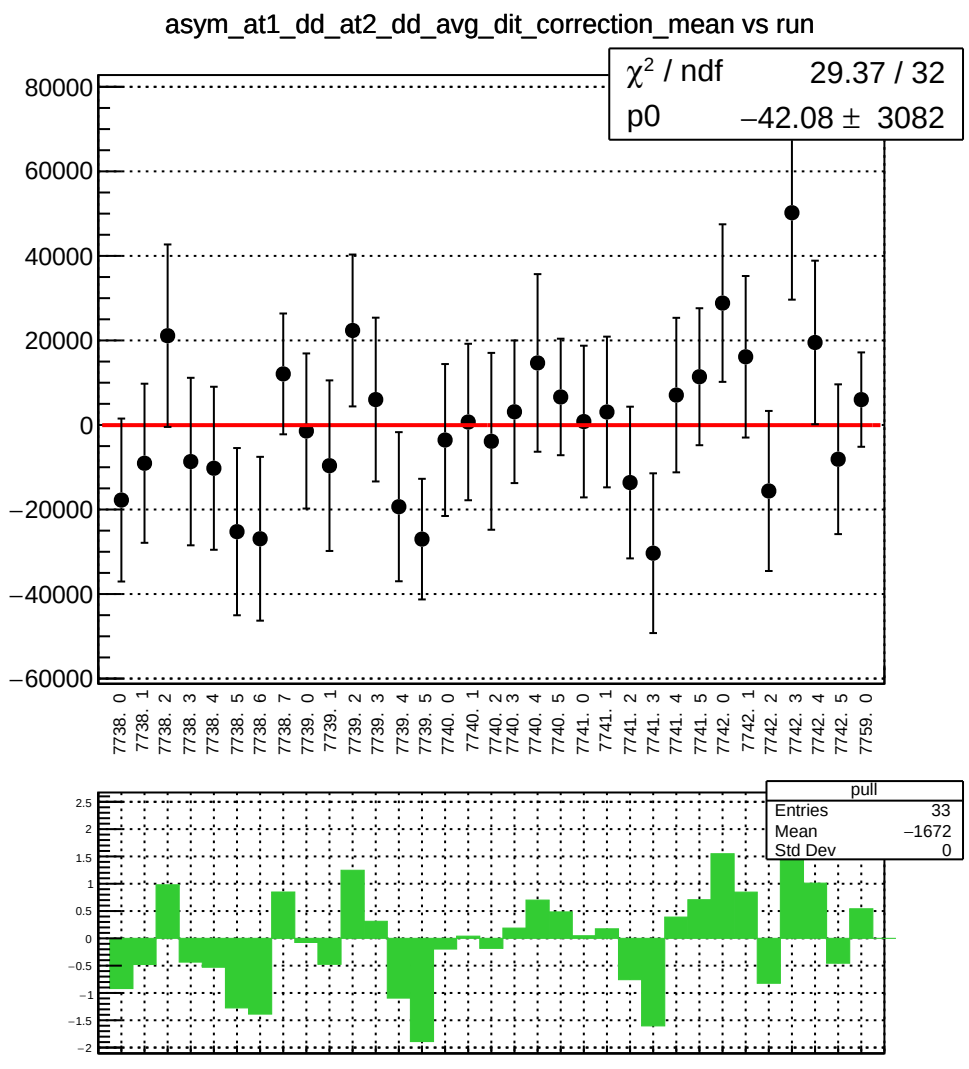

pull1D
Entries 33
Mean 0.0008259
Std Dev 0.9463
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

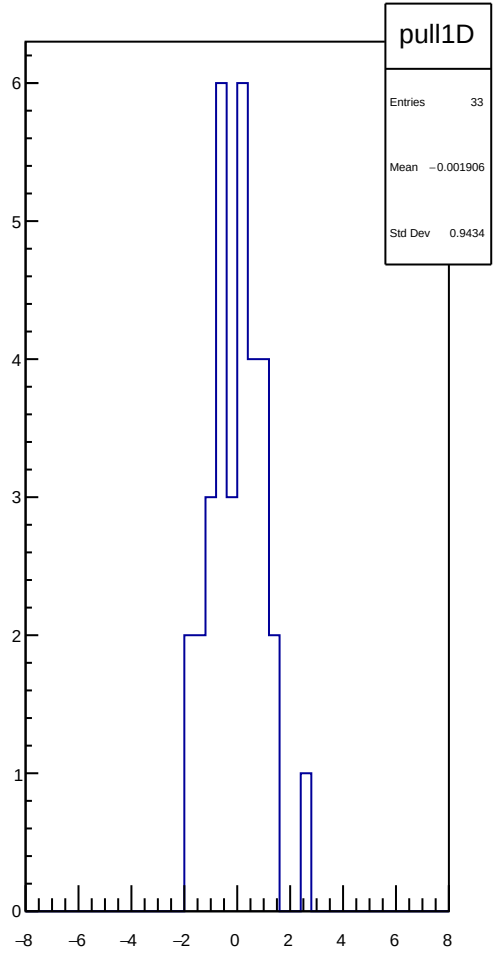

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2258 / 32
p0 1724 ± 2.121
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

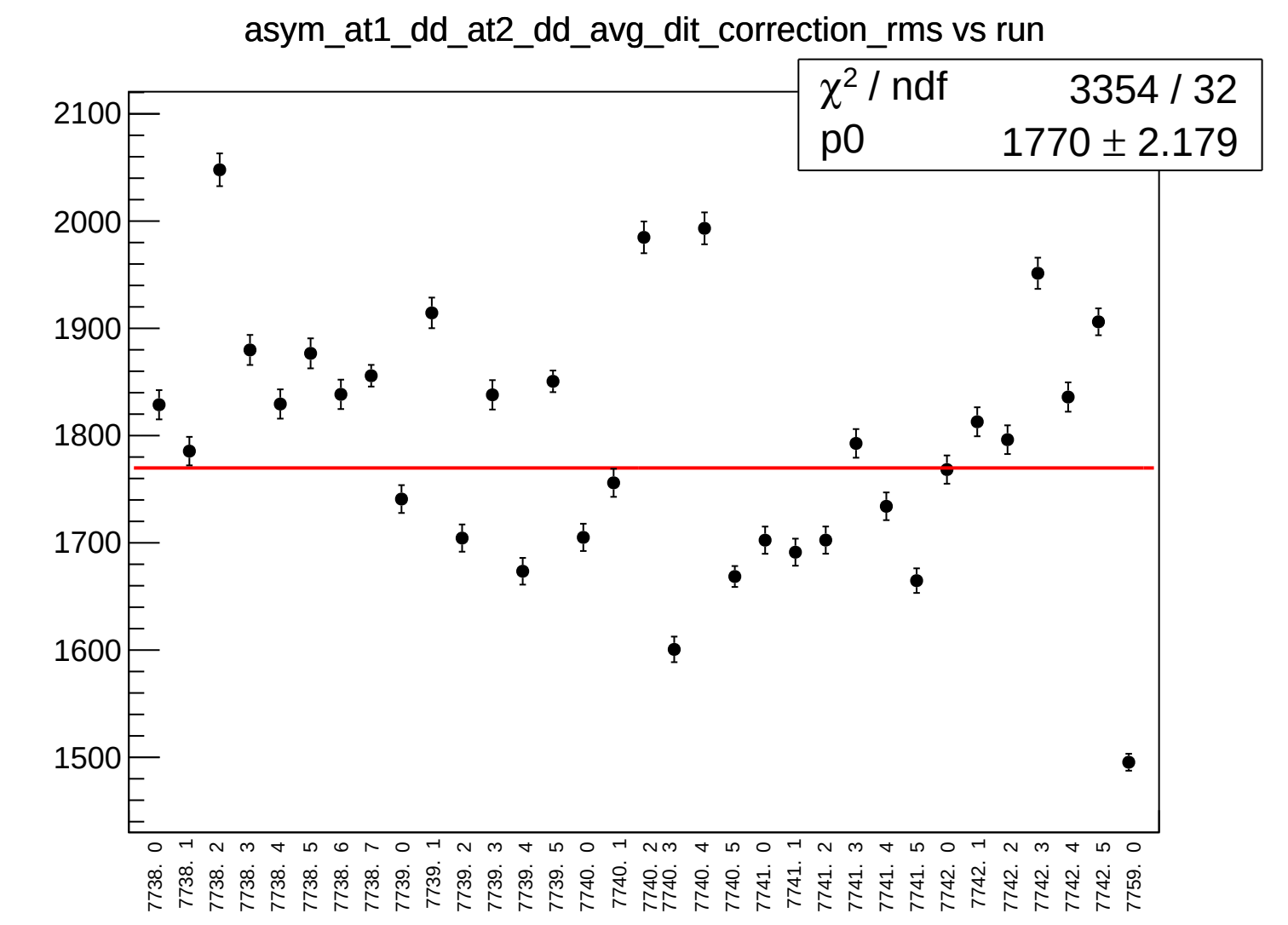

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 34.91 / 32
p0 −1139 ± 2165
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

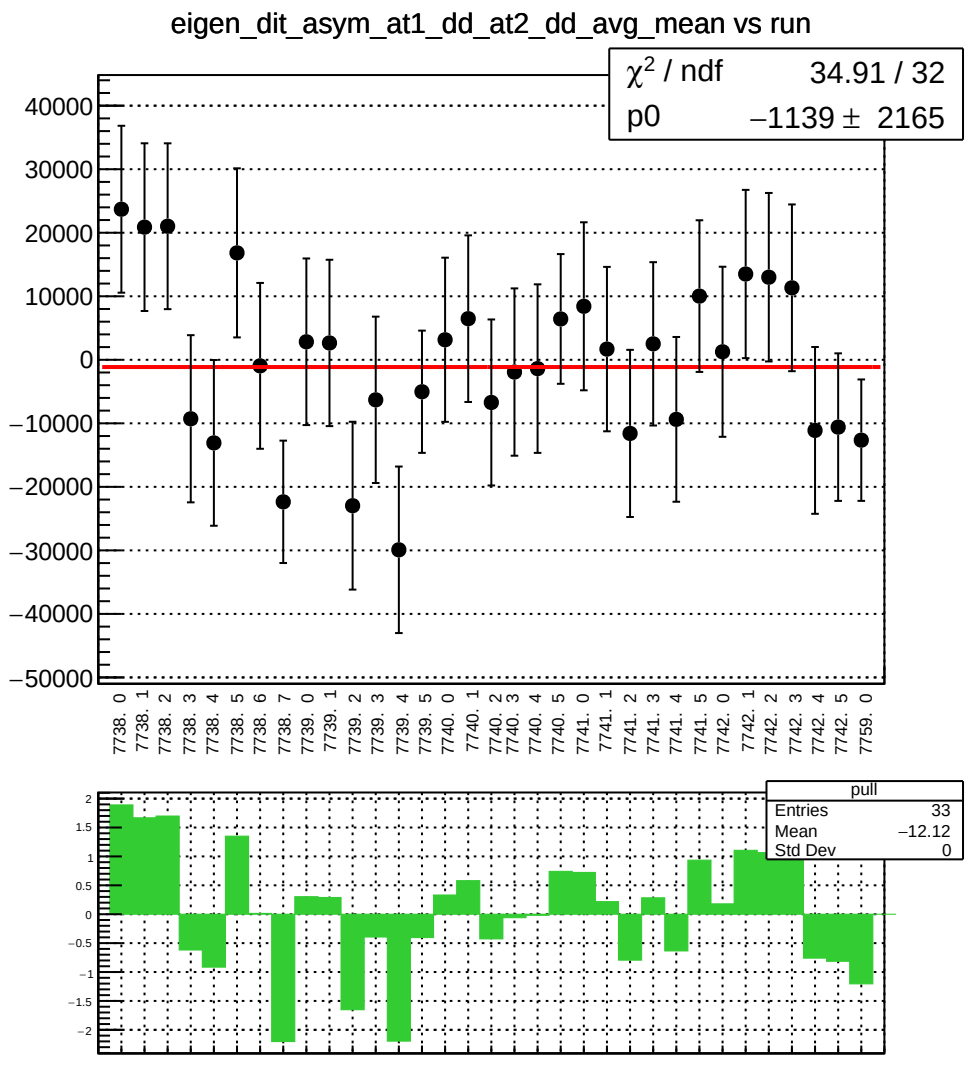

pull1D
Entries 33
Mean 0.03744
Std Dev 1.028
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

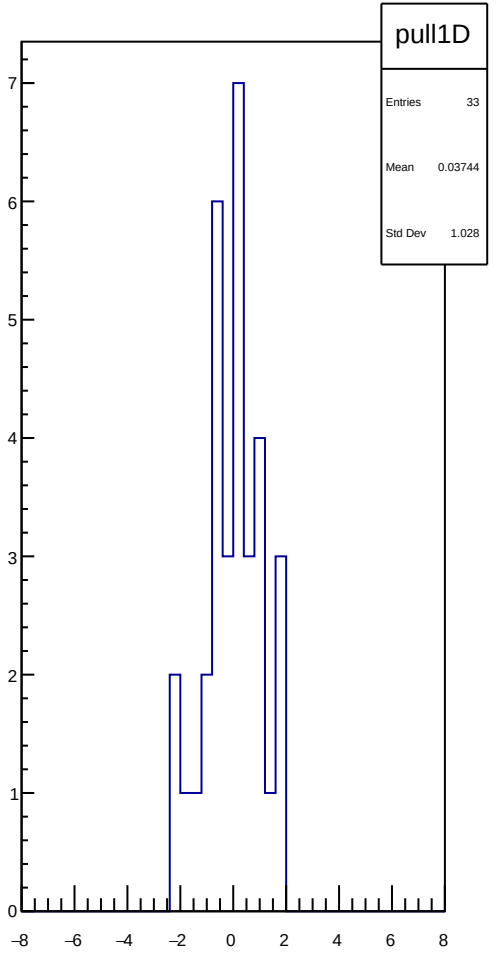

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 73.43 / 32
p0 1246 ± 1.531
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

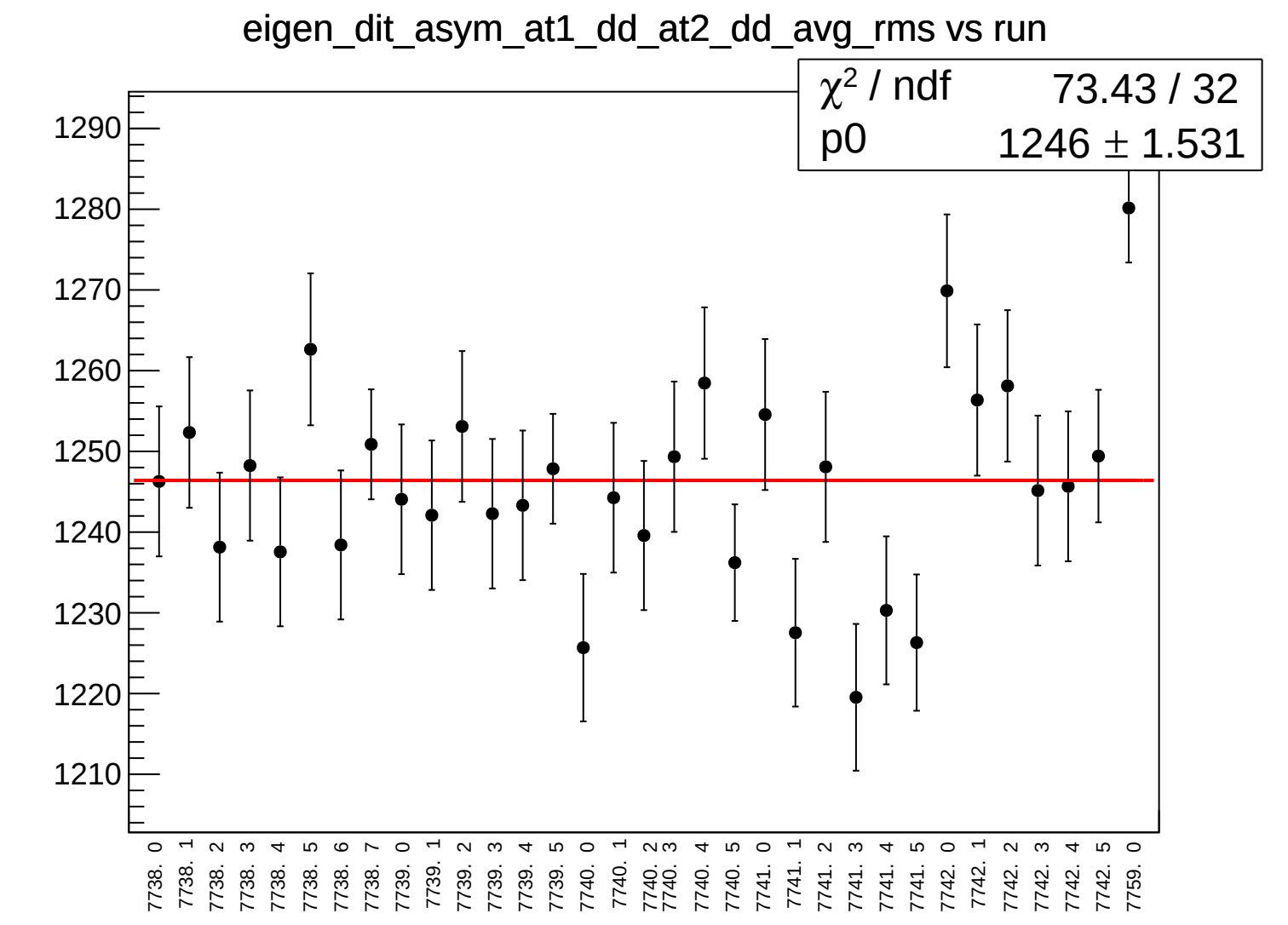

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 29.37 / 32
p0 −42.08 ± 3082
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1672
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

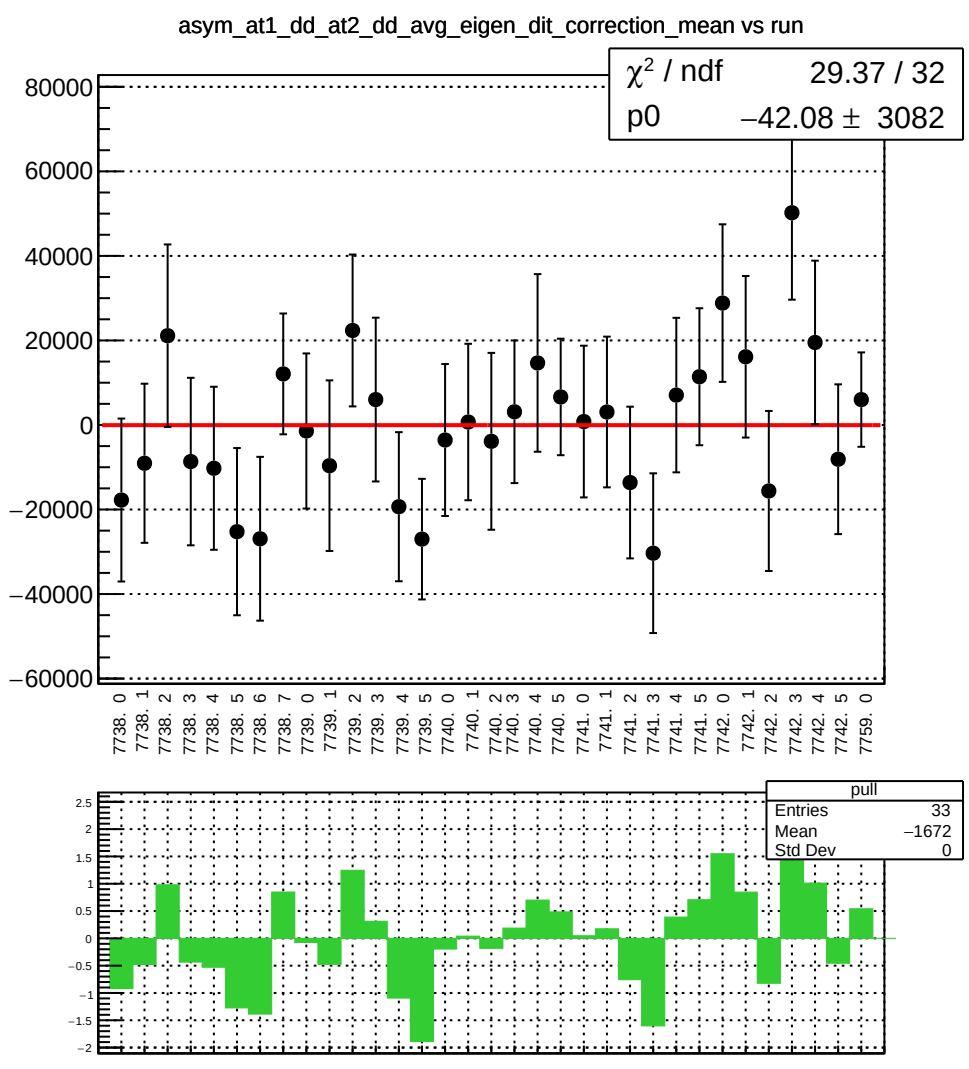

pull1D
Entries 33
Mean −0.001906
Std Dev 0.9434
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

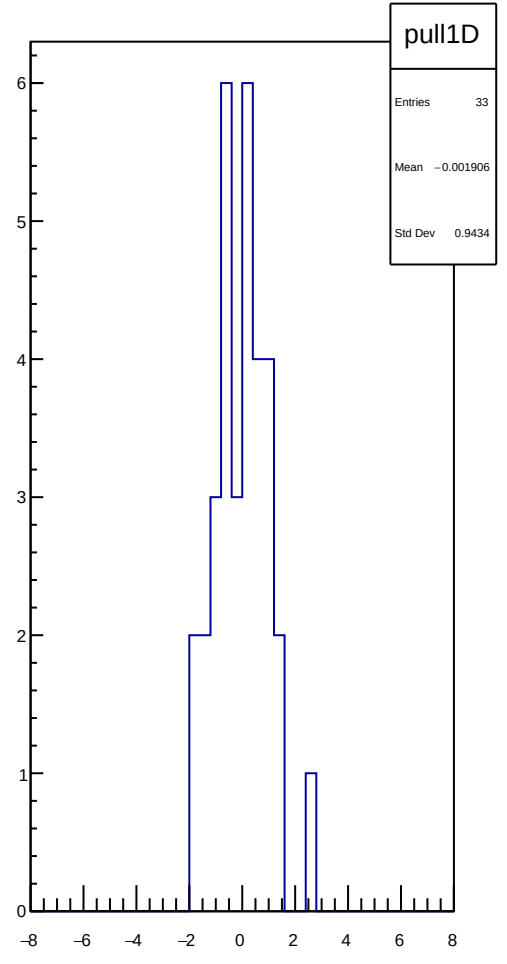

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 3354 / 32
p0 1770 ± 2.179
2100
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

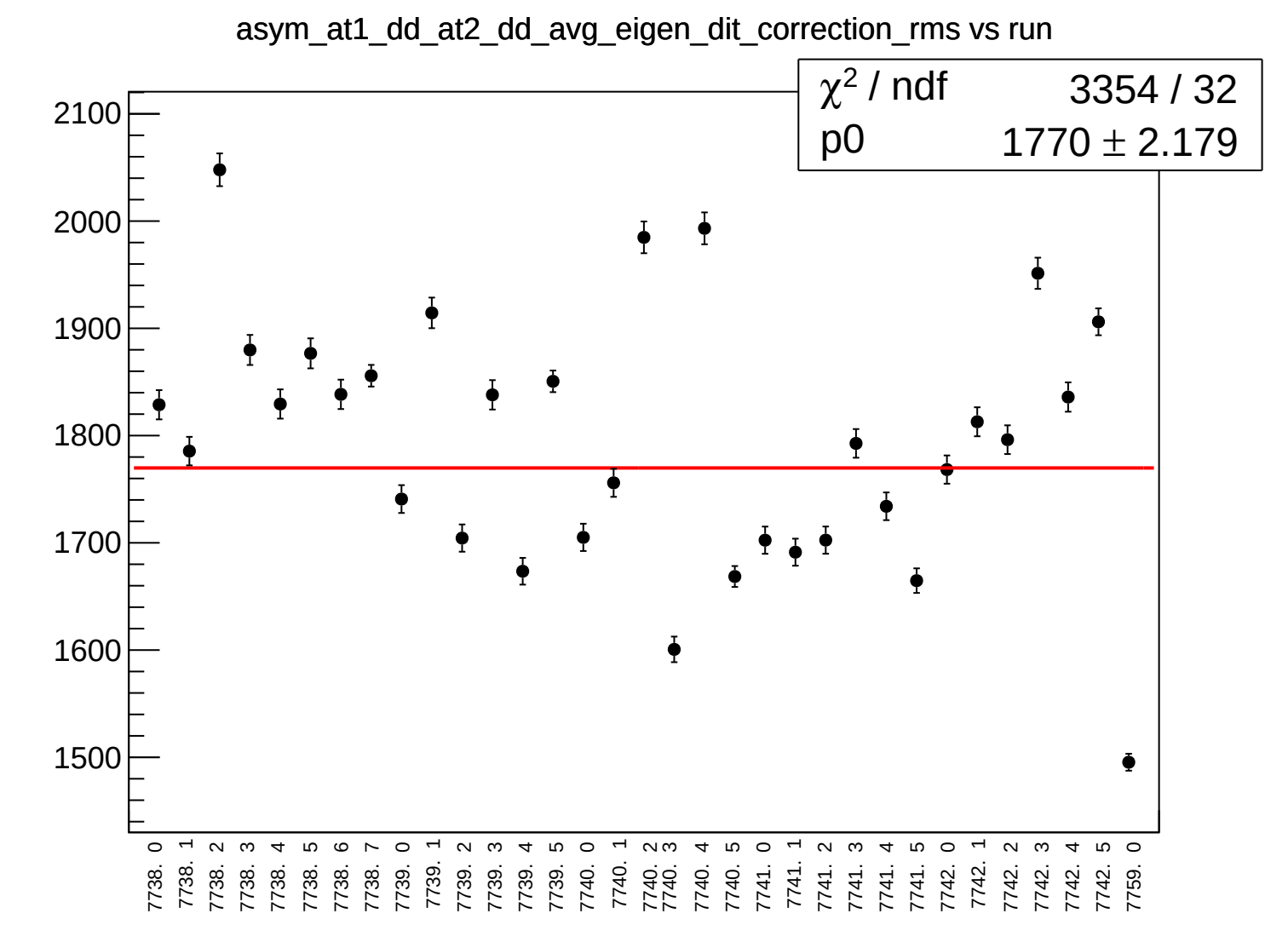

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 34.91 / 32
p0 −1139 ± 2165
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

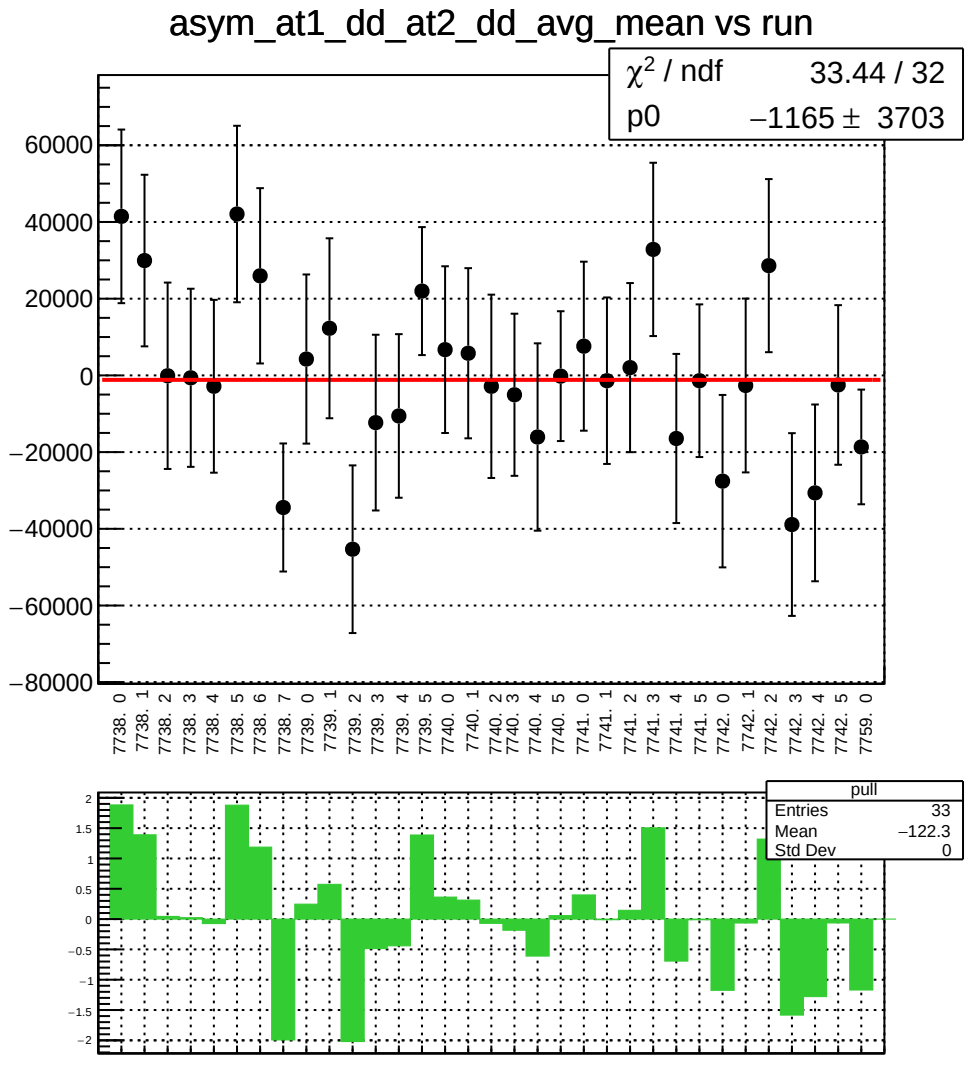

pull1D
Entries 33
Mean 0.03744
Std Dev 1.028
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

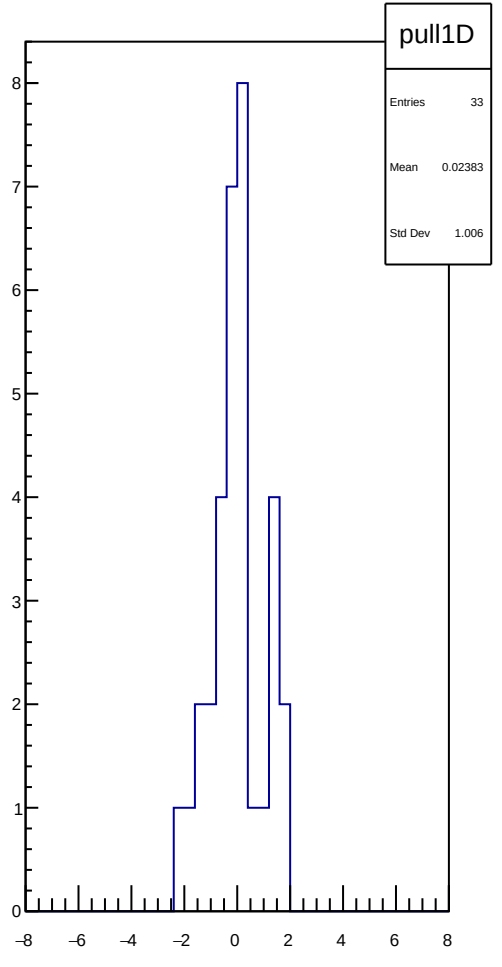

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 73.43 / 32
p0 1246 ± 1.531
1290
1280
1270
1260
1250
1240
1230
1220
1210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

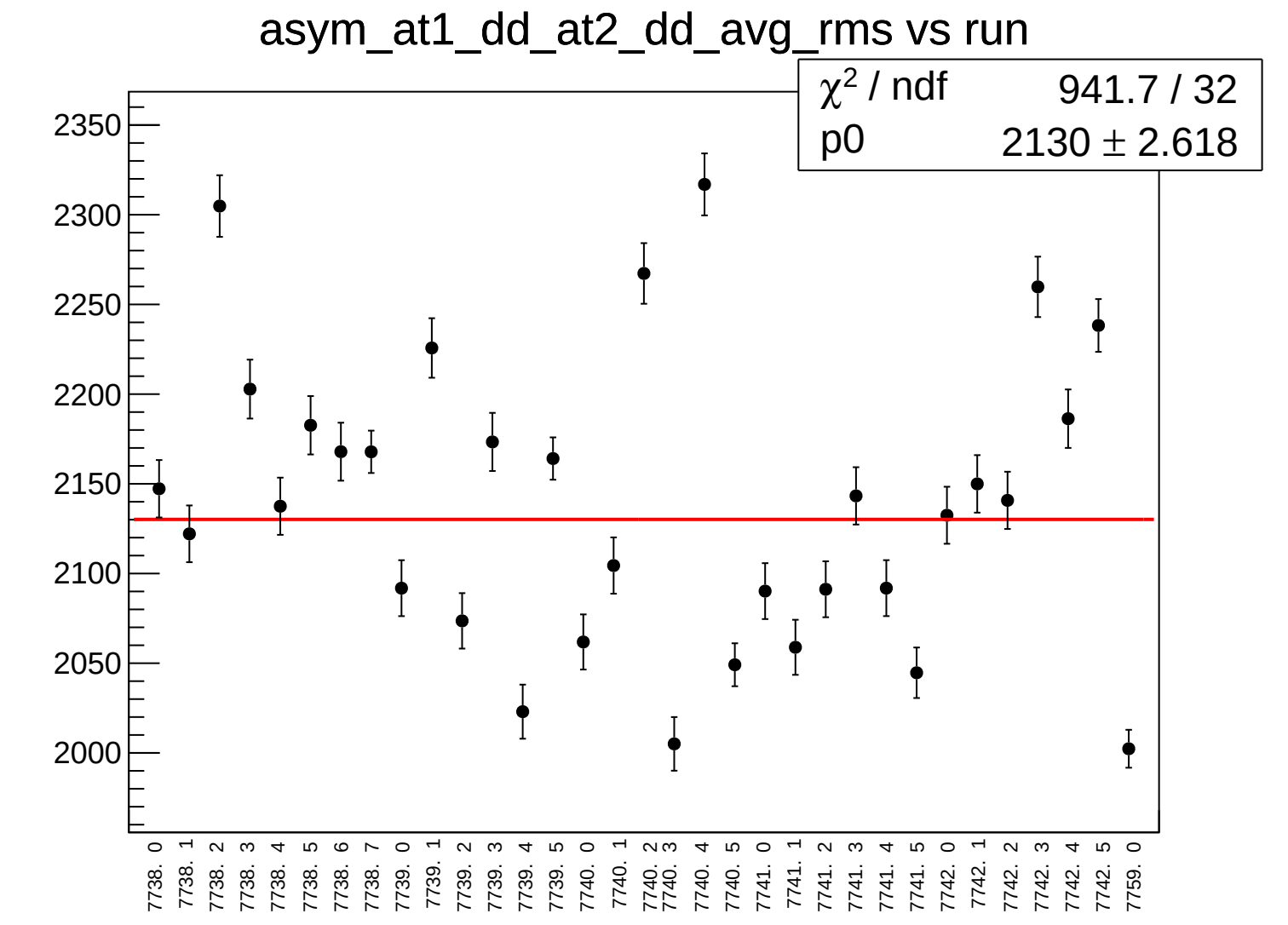

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 29.37 / 32
p0 −42.08 ± 3082
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1672
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

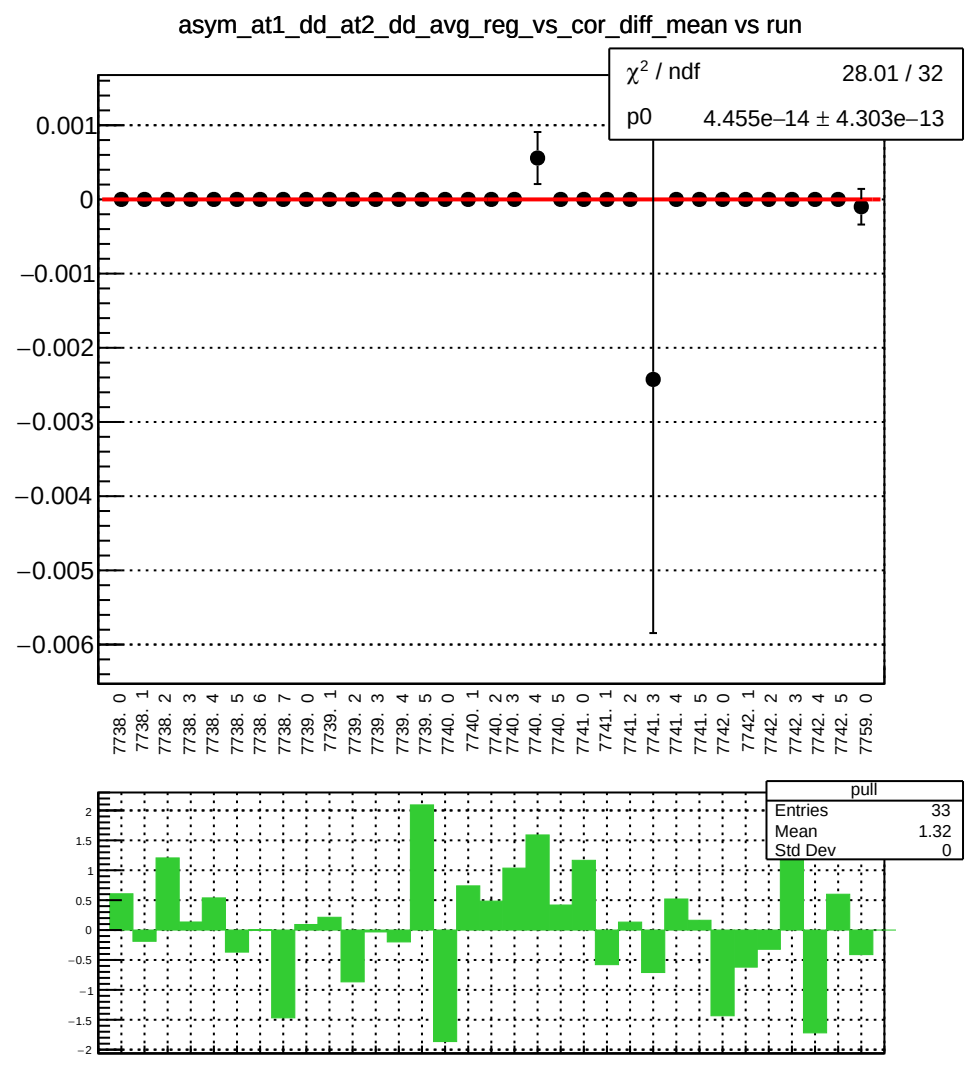

pull1D
Entries 33
Mean −0.001906
Std Dev 0.9434
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

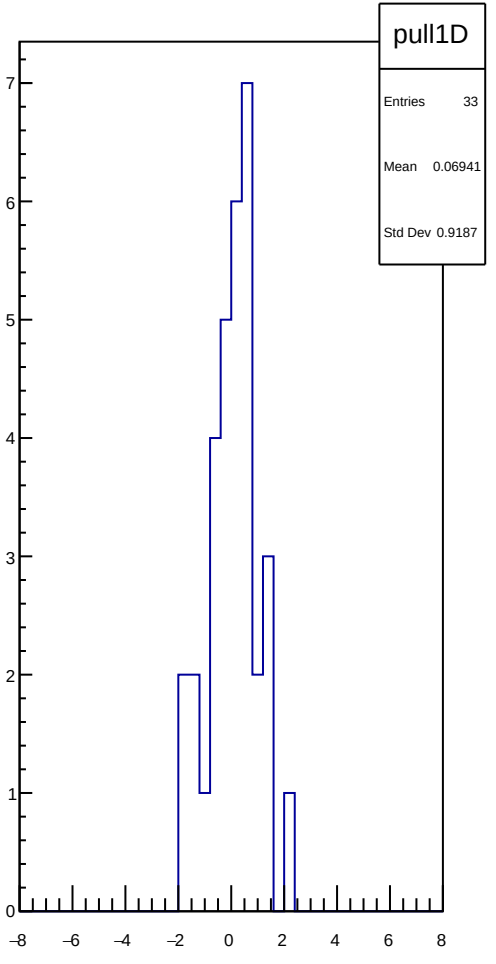

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3354 / 32
p0 1770 ± 2.179
2100
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

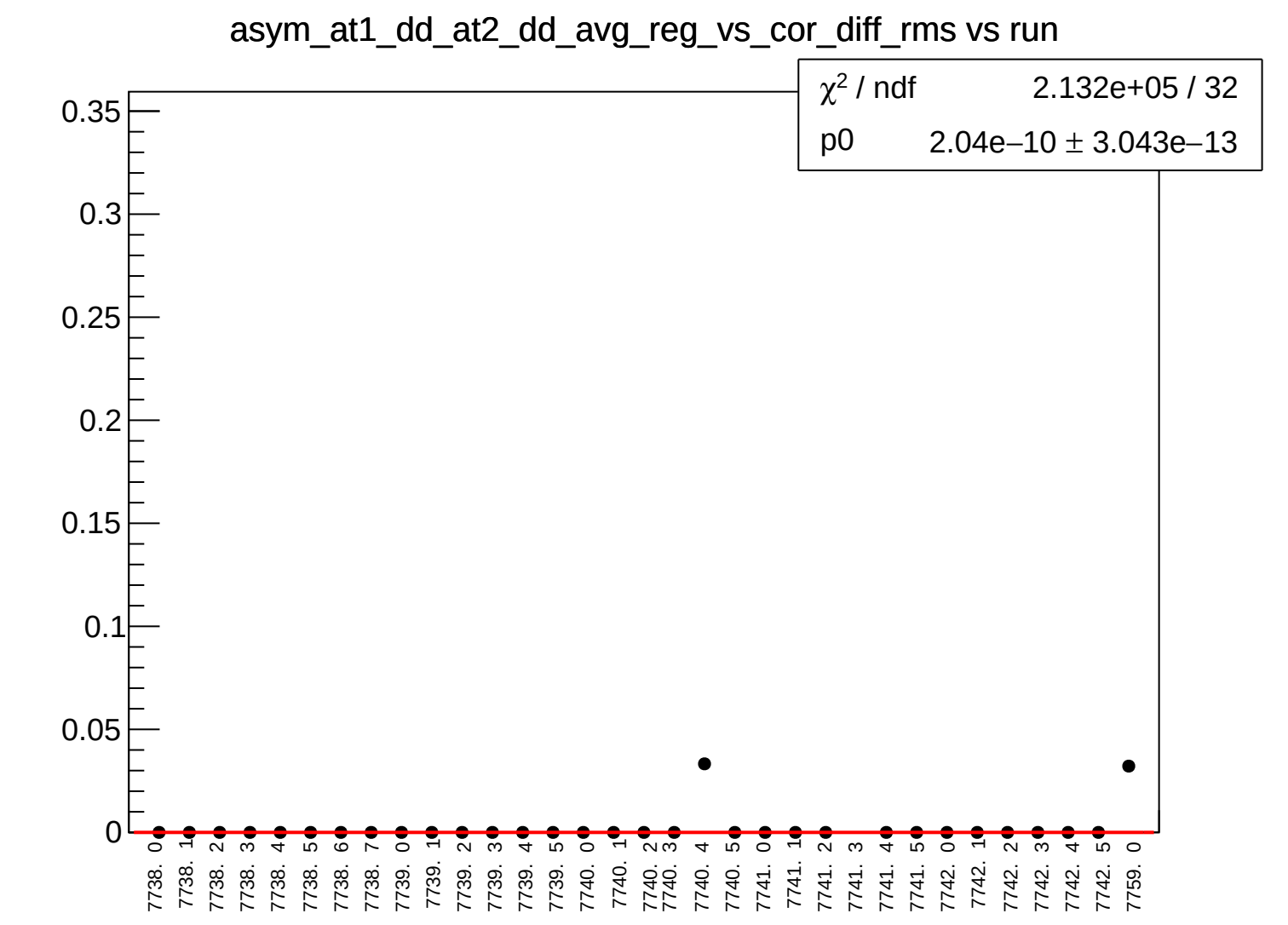

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 33.44 / 32
p0 −1165 ± 3703
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

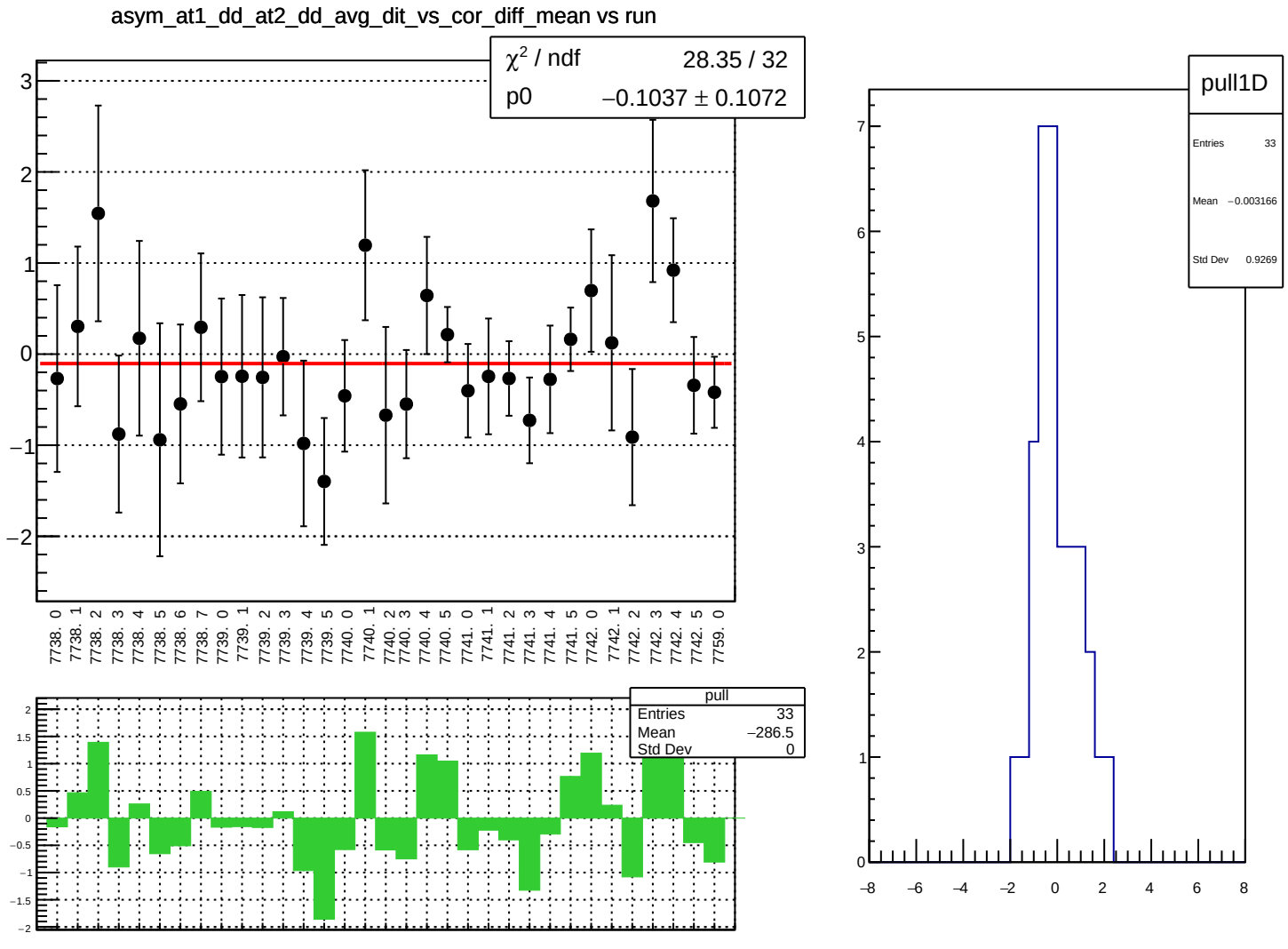

pull1D
Entries 33
Mean 0.02383
Std Dev 1.006
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

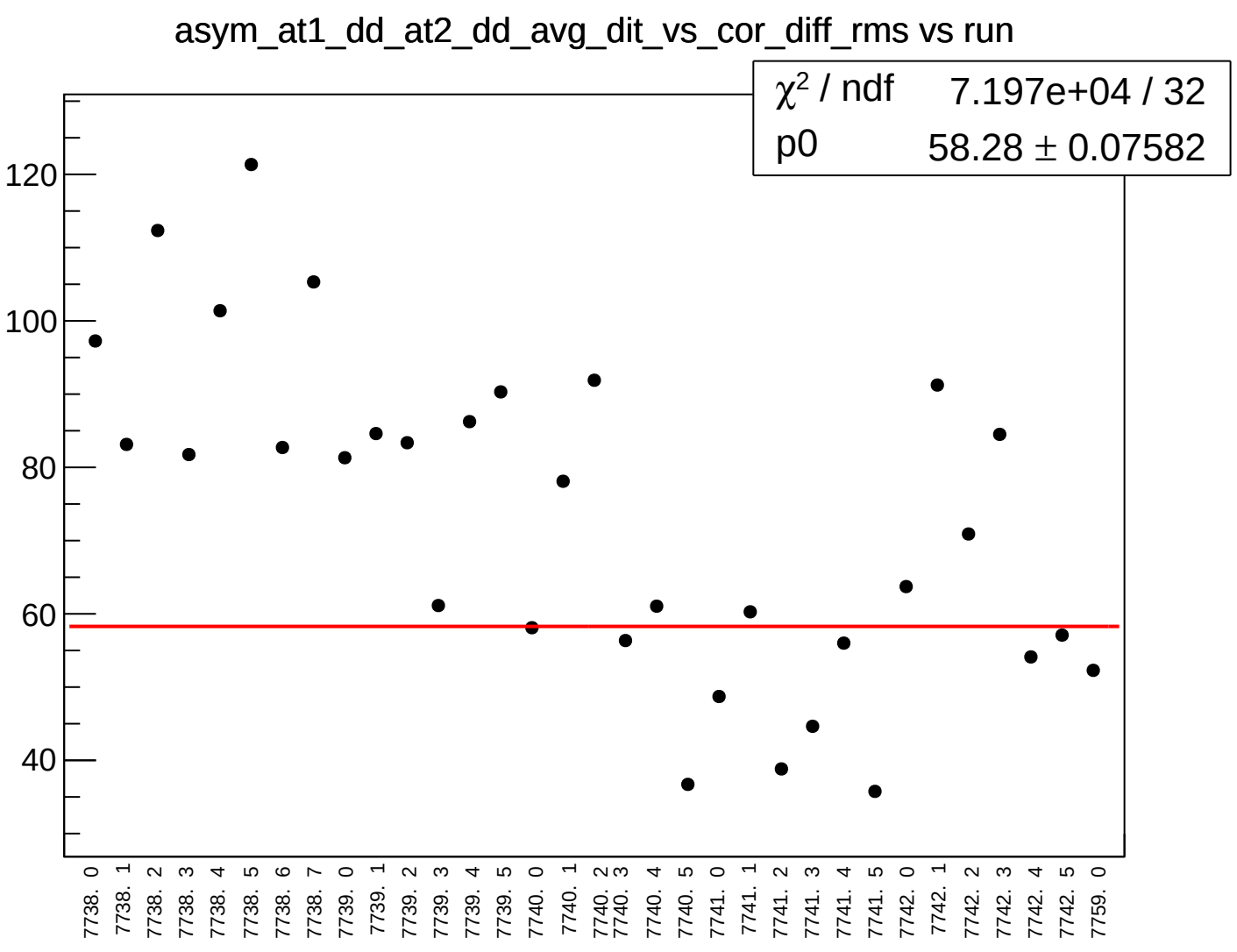

asym_at1_dd_at2_dd_avg_rms vs run
χ^2 / ndf 941.7 / 32
p0 2130 ± 2.618
2350
2300
2250
2200
2150
2100
2050
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

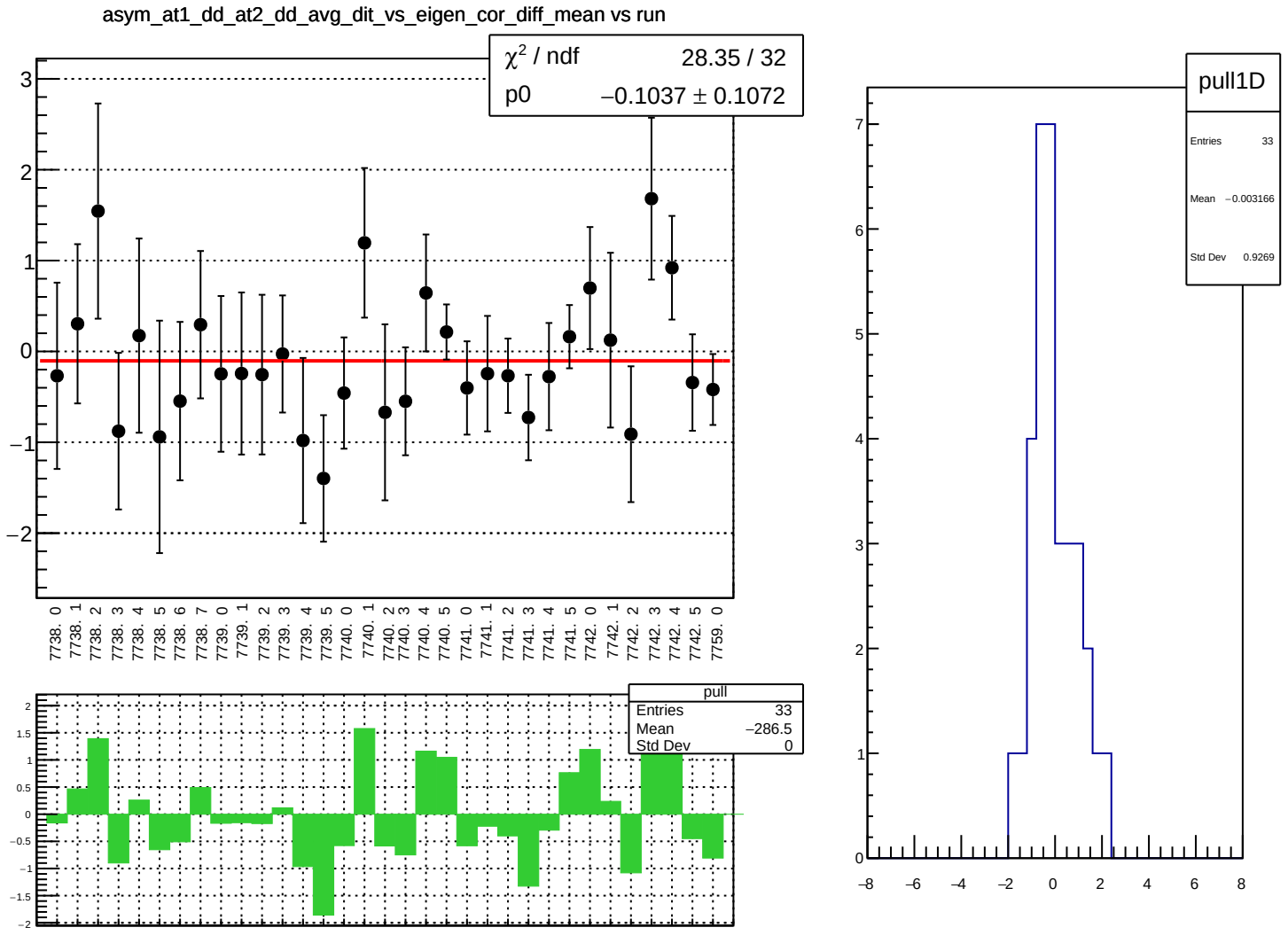

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 28.01 / 32
p0 4.455e−14 ± 4.303e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
−0.005
−0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

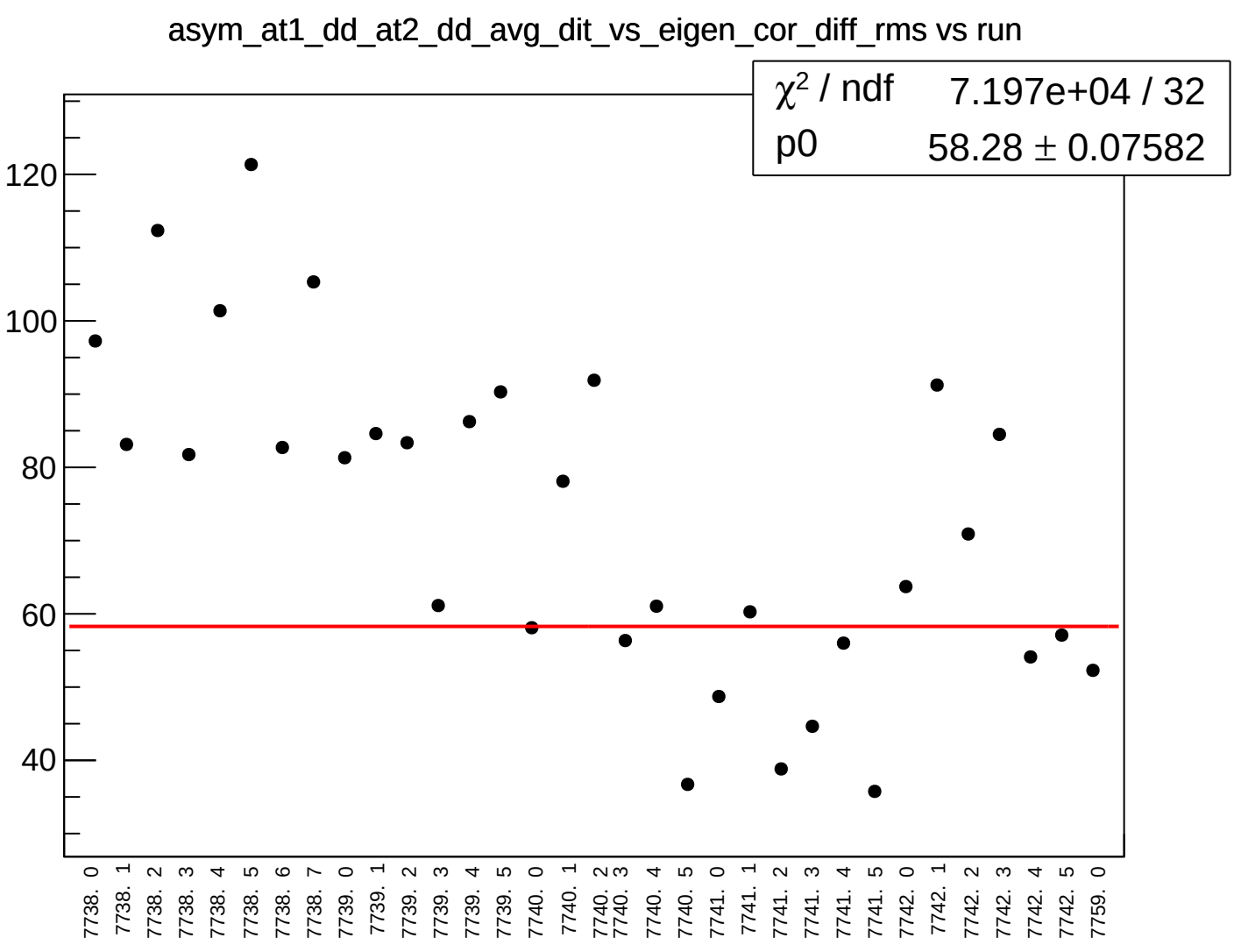

pull1D
Entries 33
Mean 0.06941
Std Dev 0.9187
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

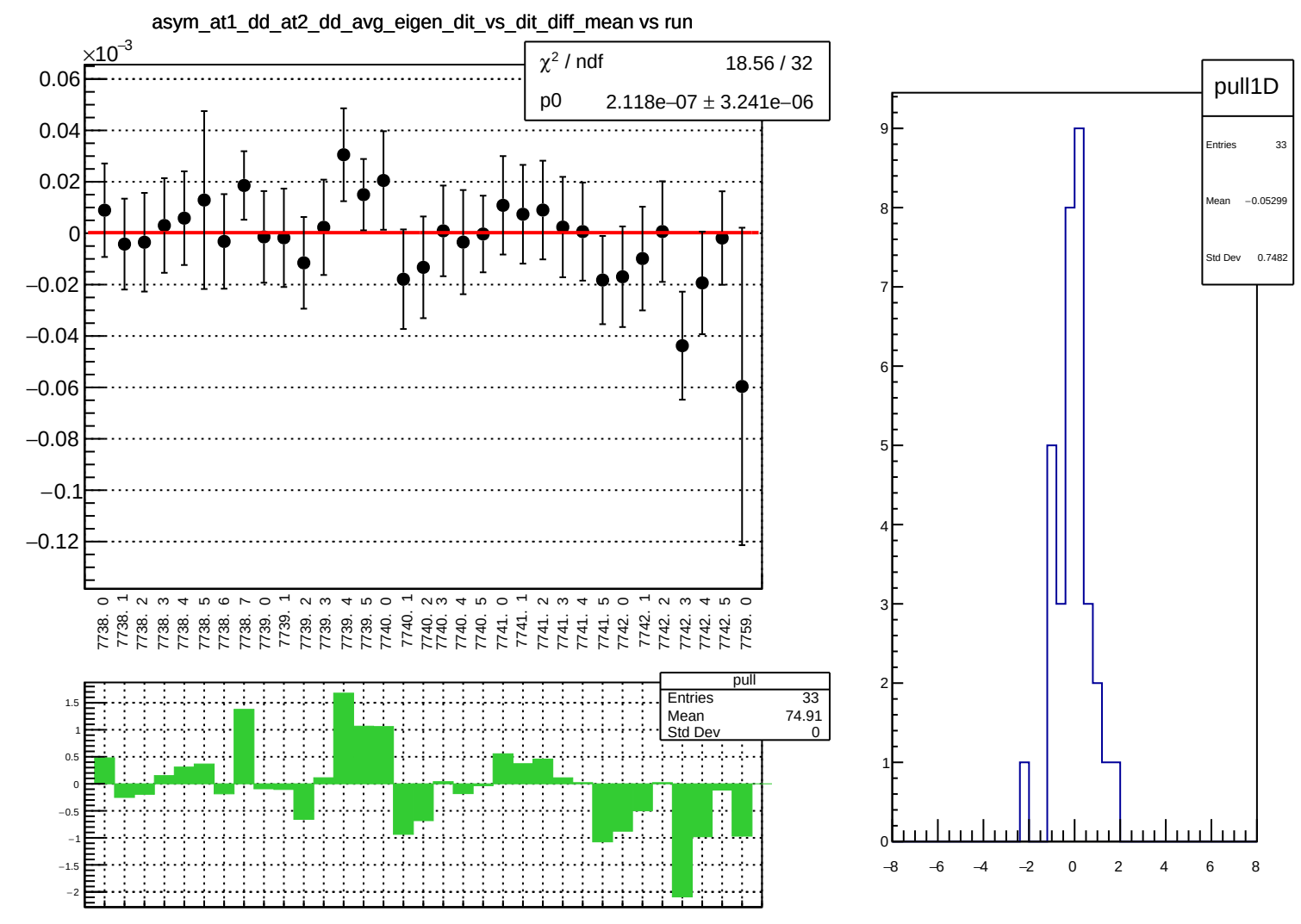

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.132e+05 / 32
p0 2.04e−10 ± 3.043e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

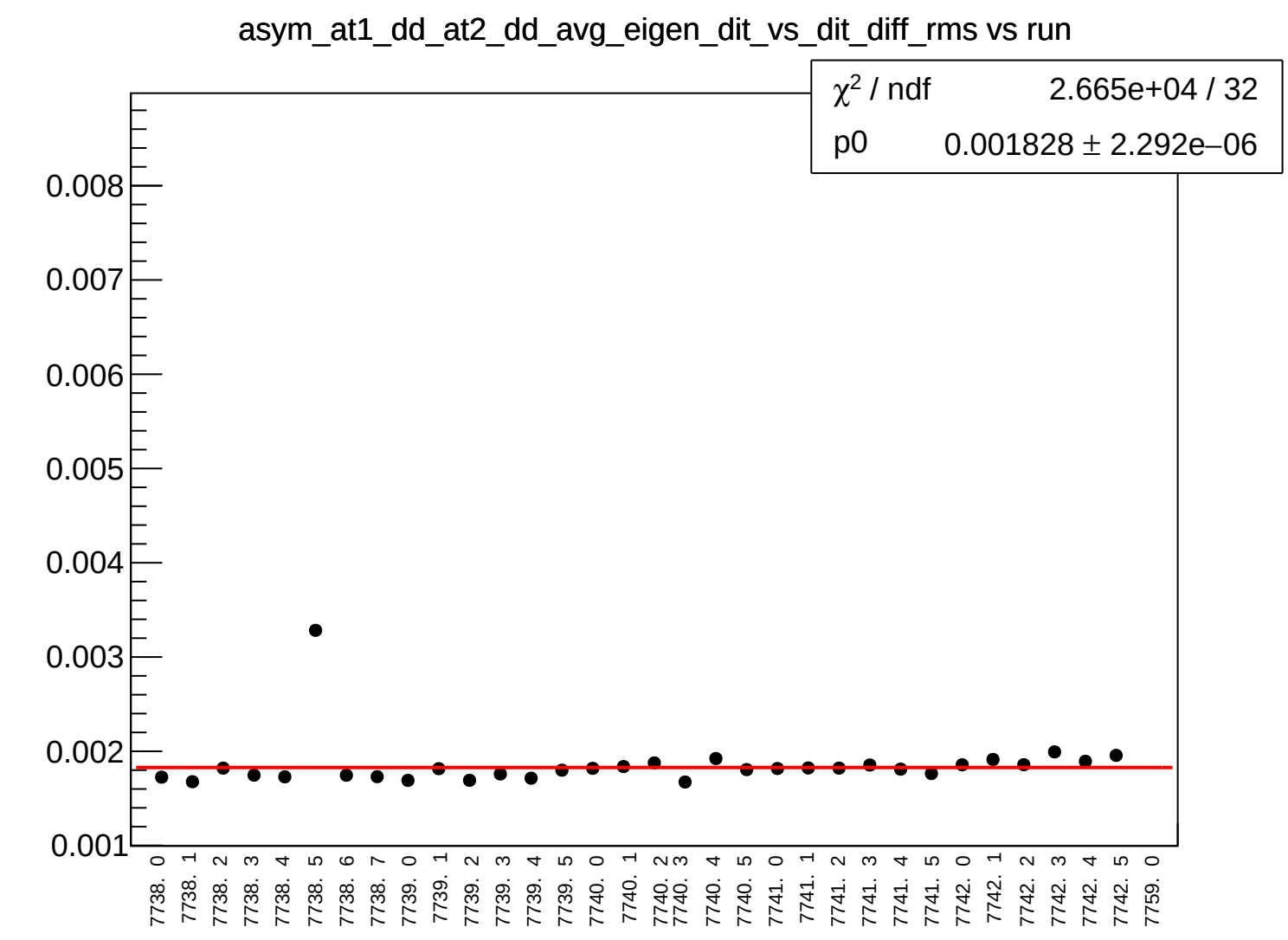

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 28.35 / 32
p0 −0.1037 ± 0.1072
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −286.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.003166
Std Dev 0.9269
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

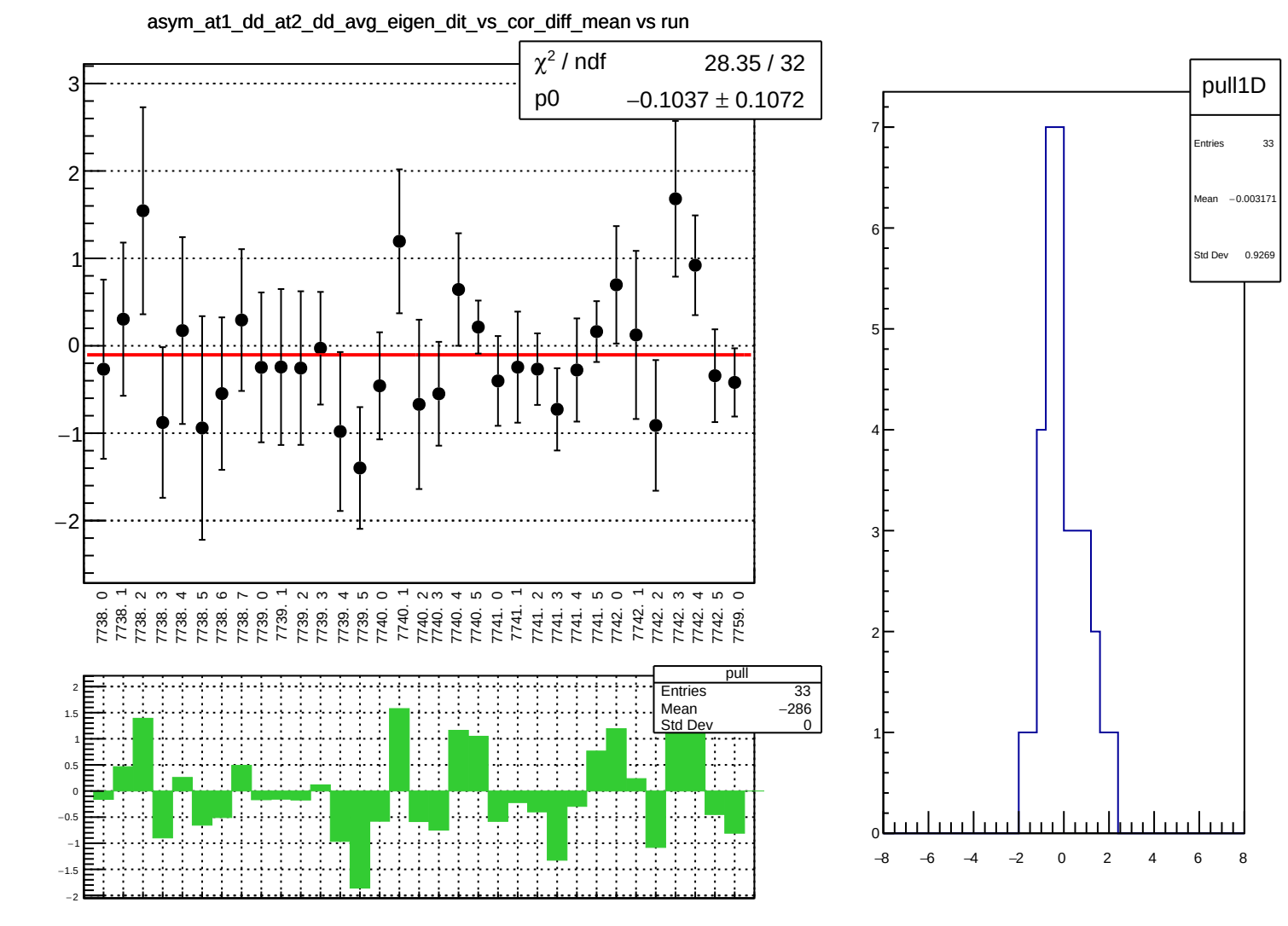

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.197e+04 / 32
p0 58.28 ± 0.07582
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

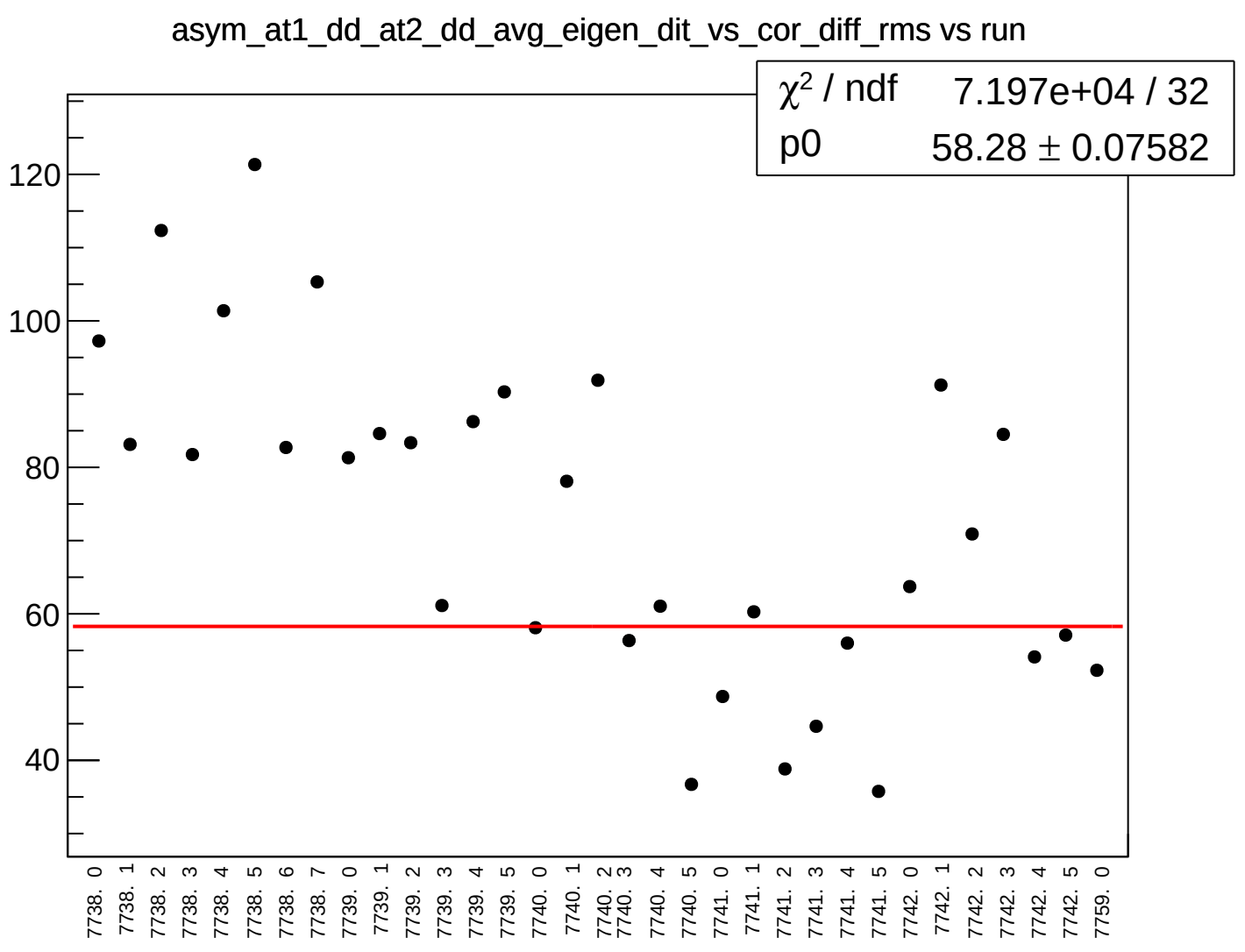

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.35 / 32
p0 −0.1037 ± 0.1072
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −286.5
Std Dev 0
pull1D
Entries 33
Mean −0.003166
Std Dev 0.9269

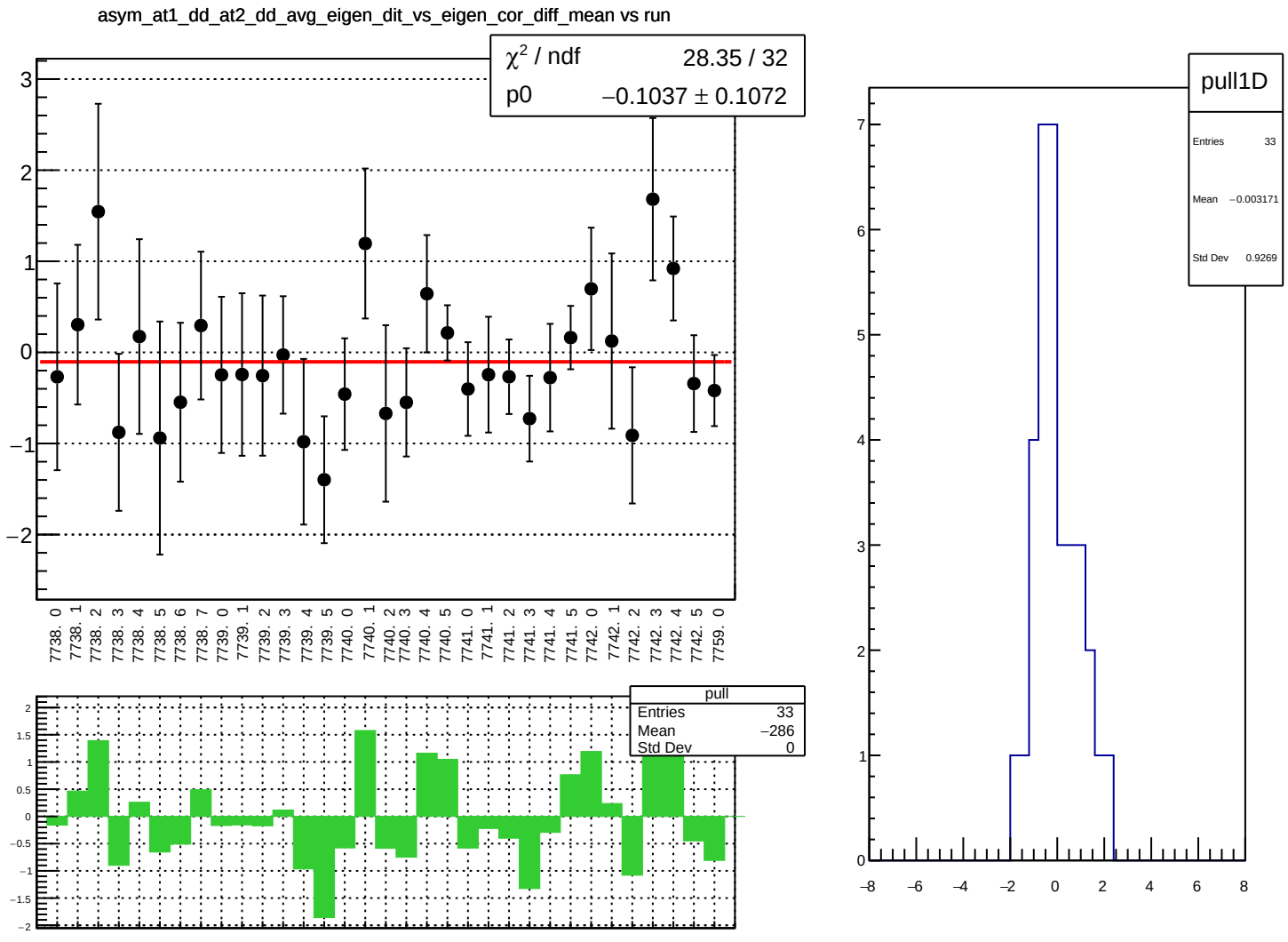

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.197e+04 / 32
p0 58.28 ± 0.07582
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

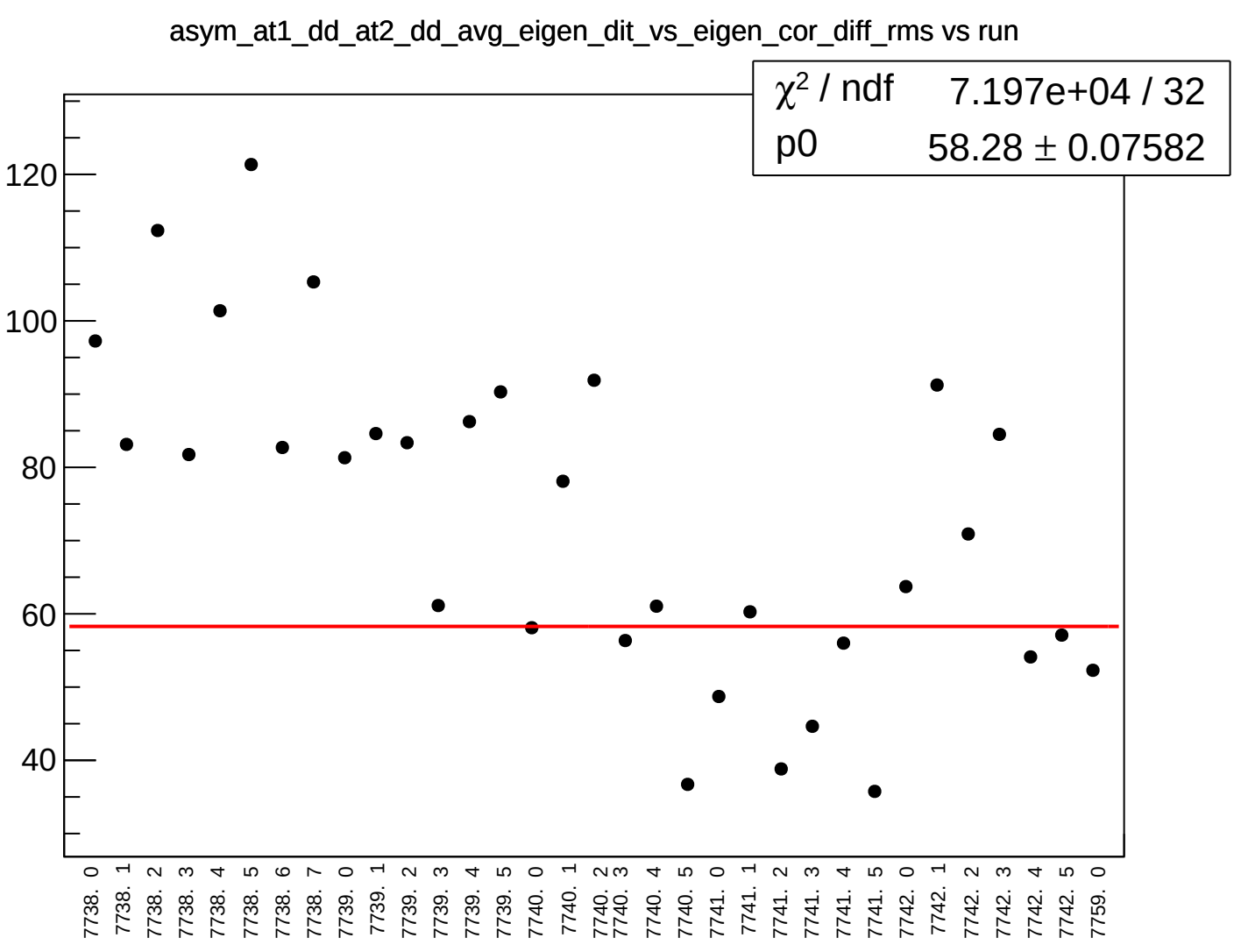

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 18.56 / 32
p0 2.118e−07 ± 3.241e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 74.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.05299
Std Dev 0.7482
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

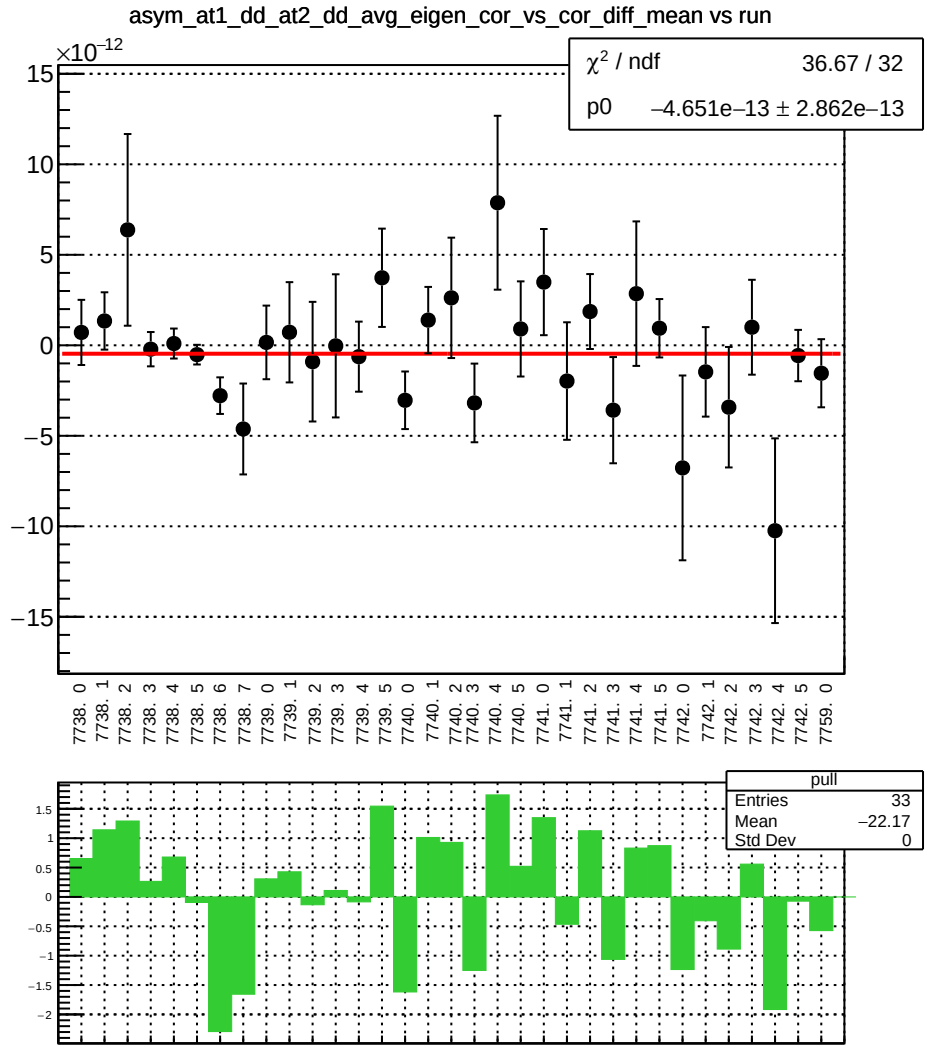

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.665e+04 / 32
p0 0.001828 ± 2.292e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

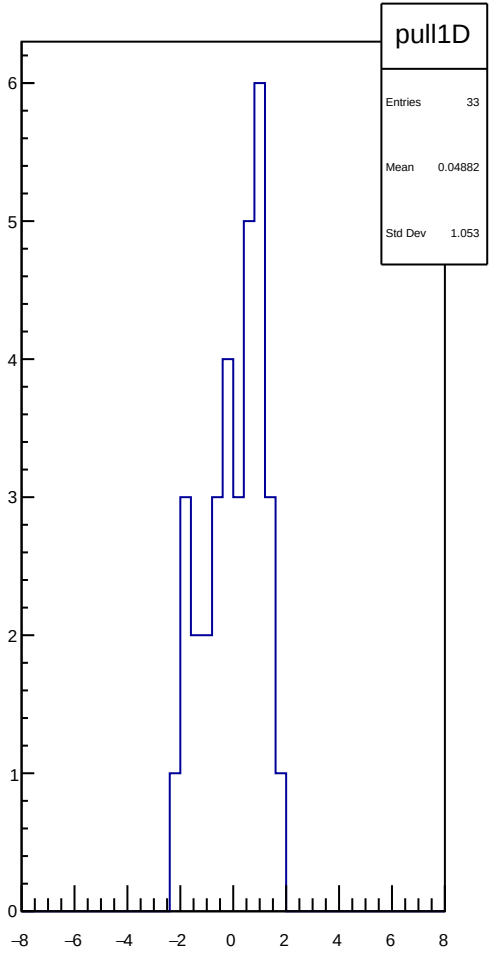

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.35 / 32
p0 −0.1037 ± 0.1072
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −286
Std Dev 0
pull1D
Entries 33
Mean −0.003171
Std Dev 0.9269

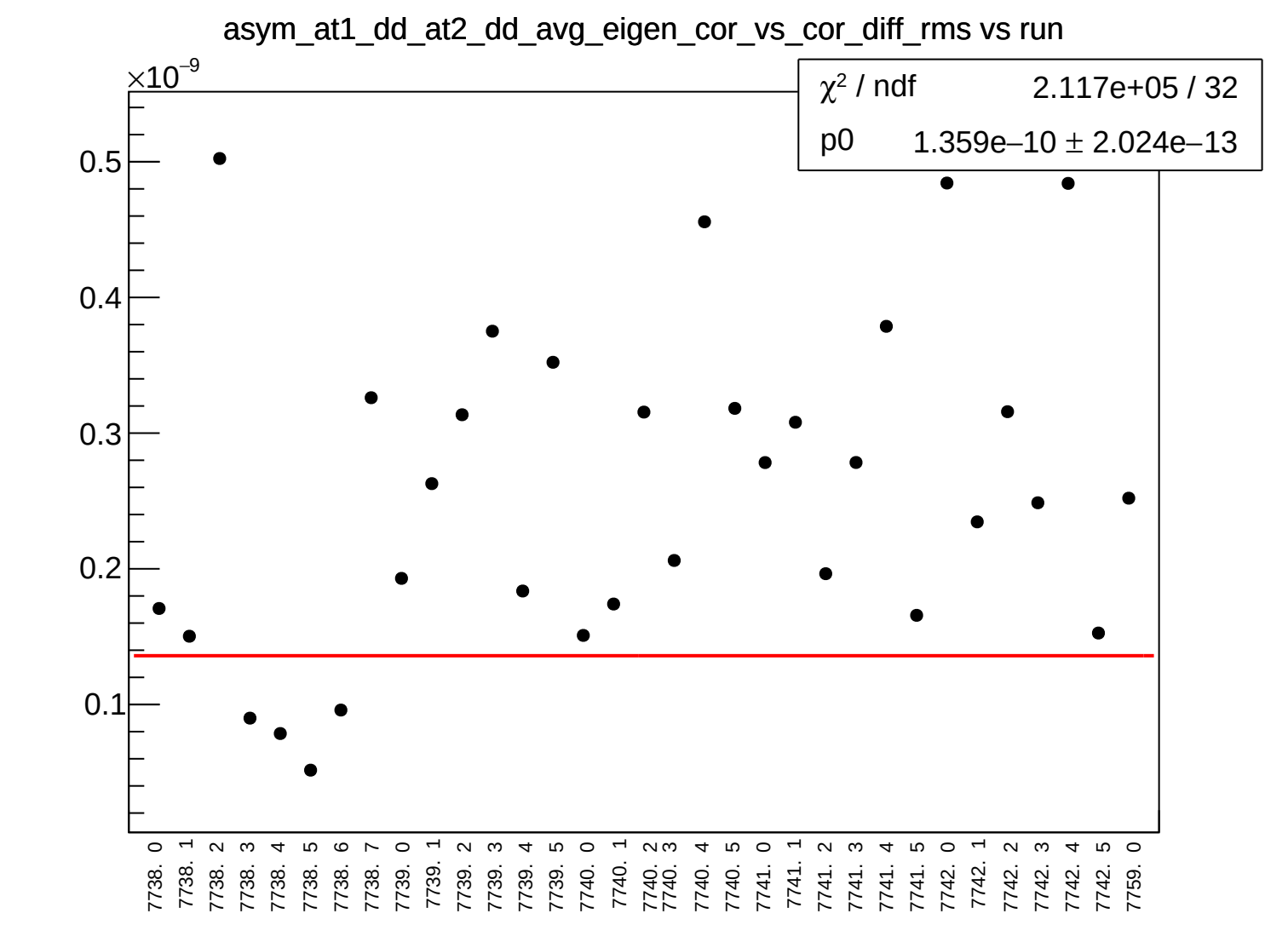

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.197e+04 / 32
p0 58.28 ± 0.07582
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

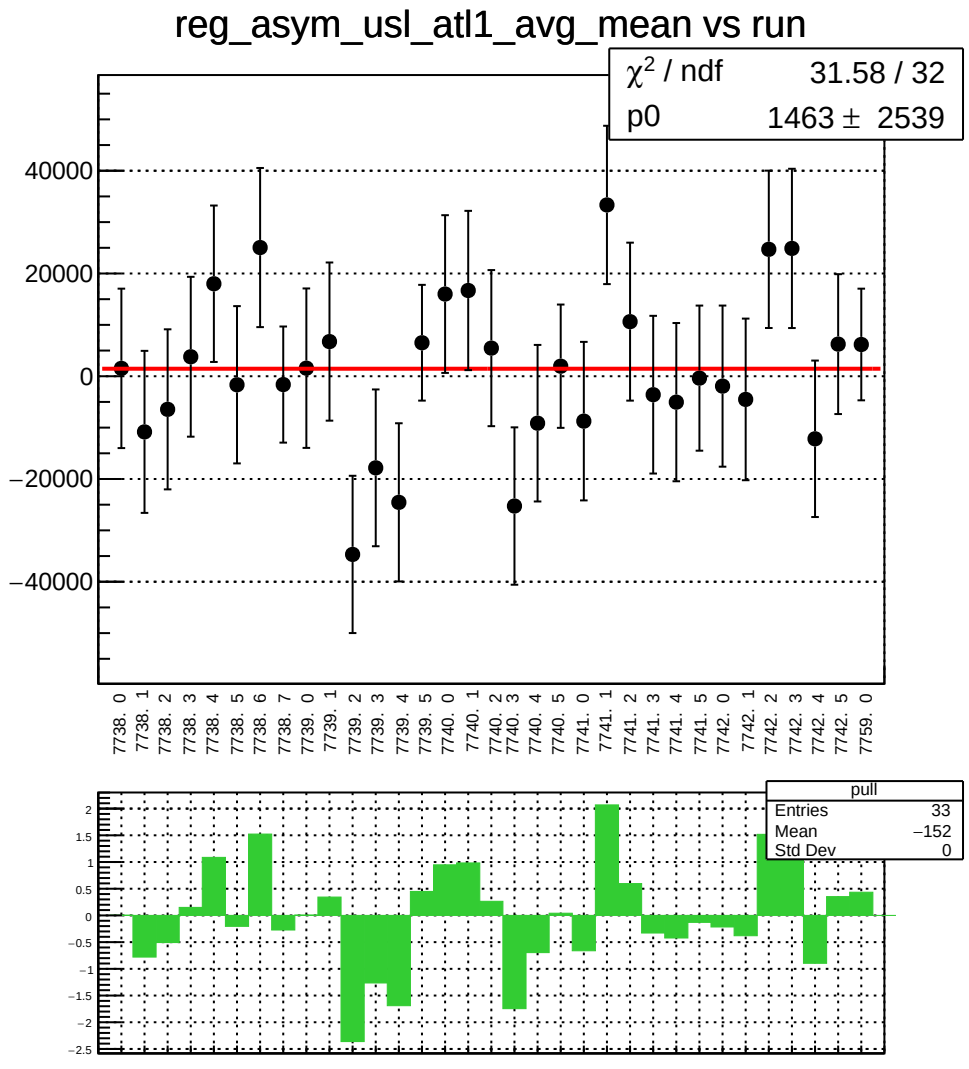

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.35 / 32
p0 −0.1037 ± 0.1072
pull
Entries 33
Mean −286
Std Dev 0
pull1D
Entries 33
Mean −0.003171
Std Dev 0.9269

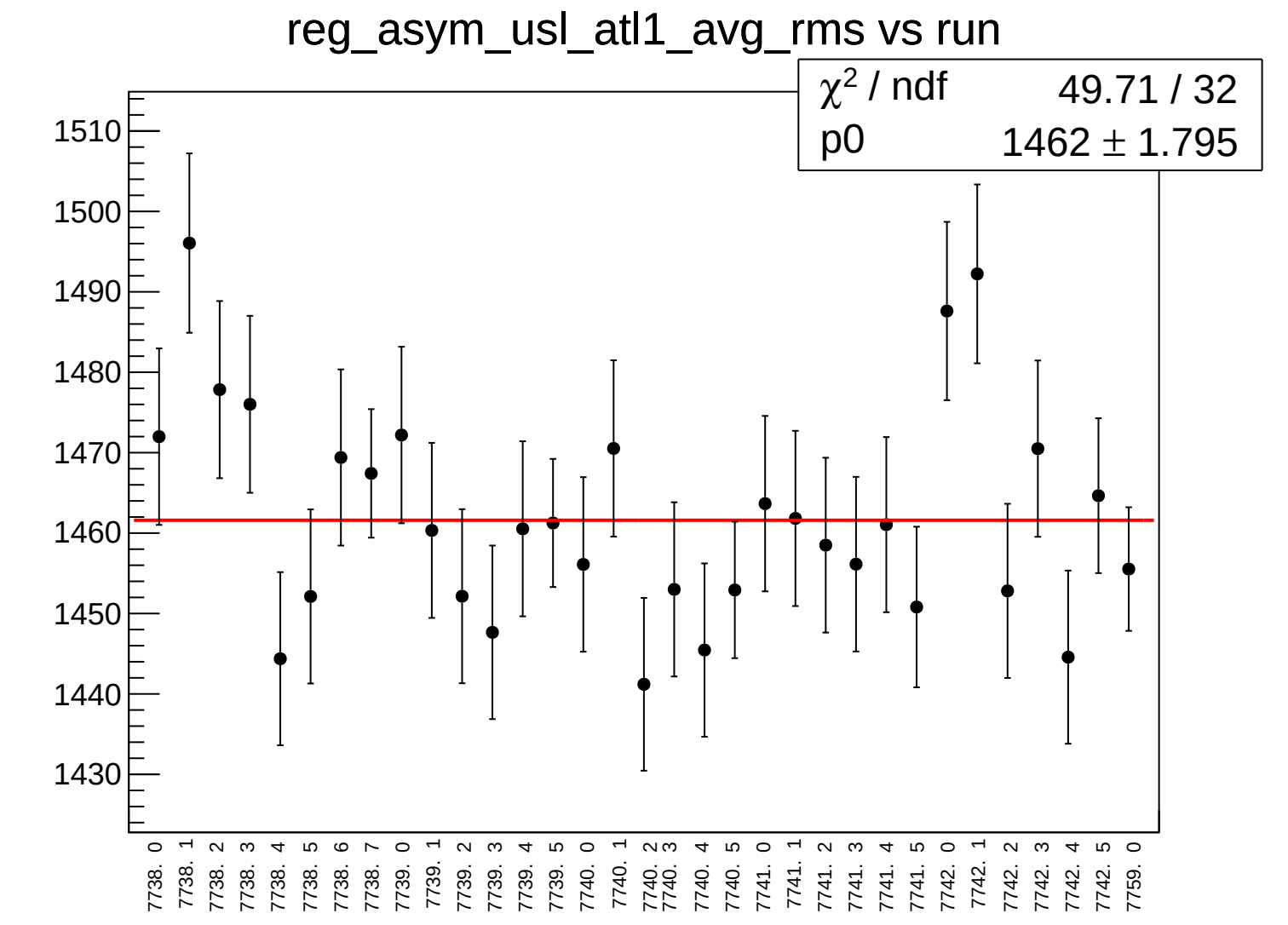

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.197e+04 / 32
p0 58.28 ± 0.07582
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

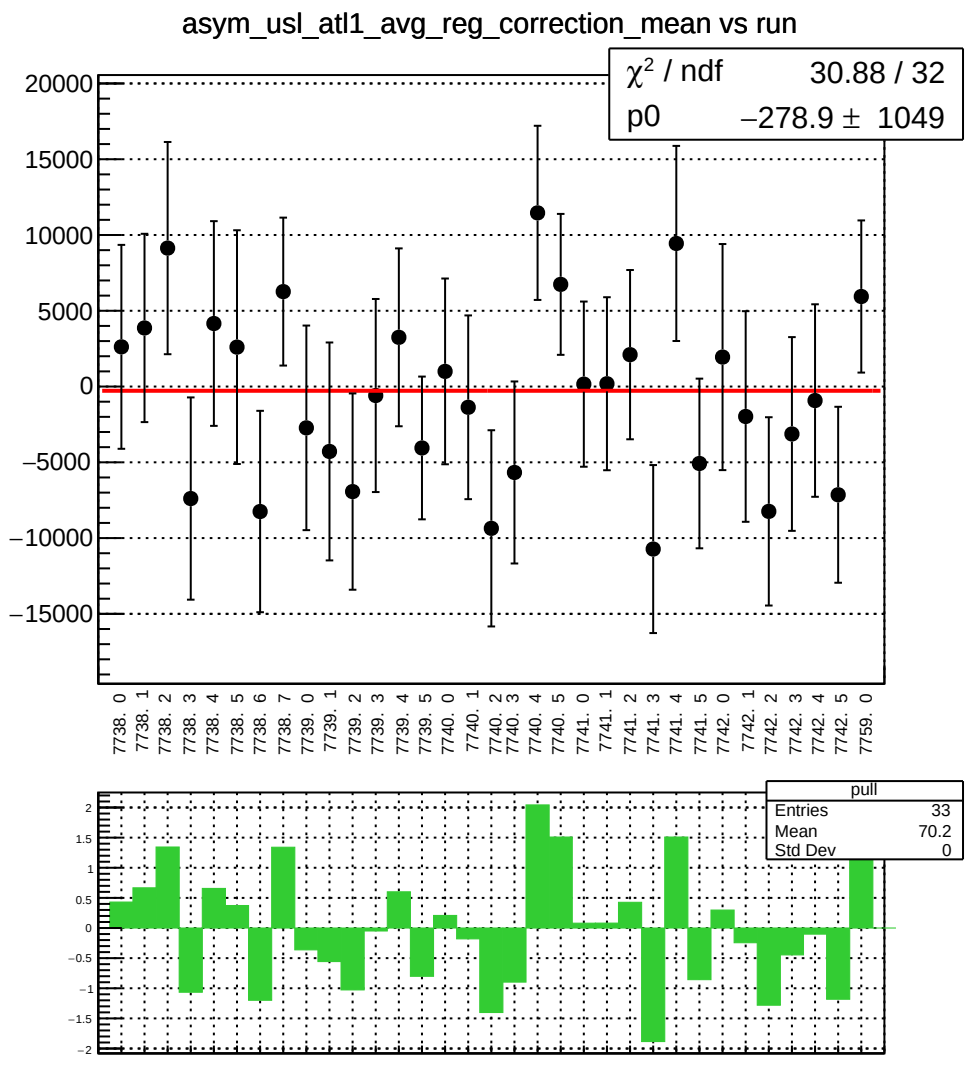

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.67 / 32
p0 −4.651e−13 ± 2.862e−13
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −22.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

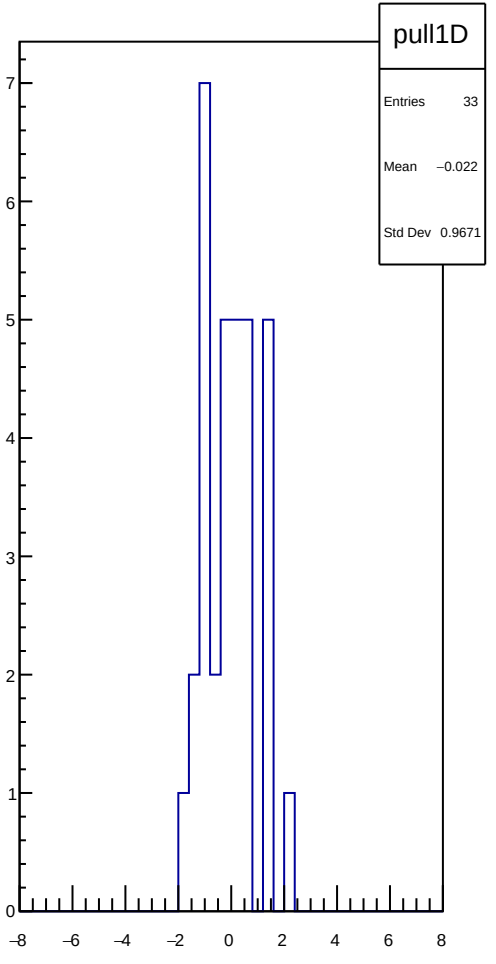

pull1D
Entries 33
Mean 0.04882
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

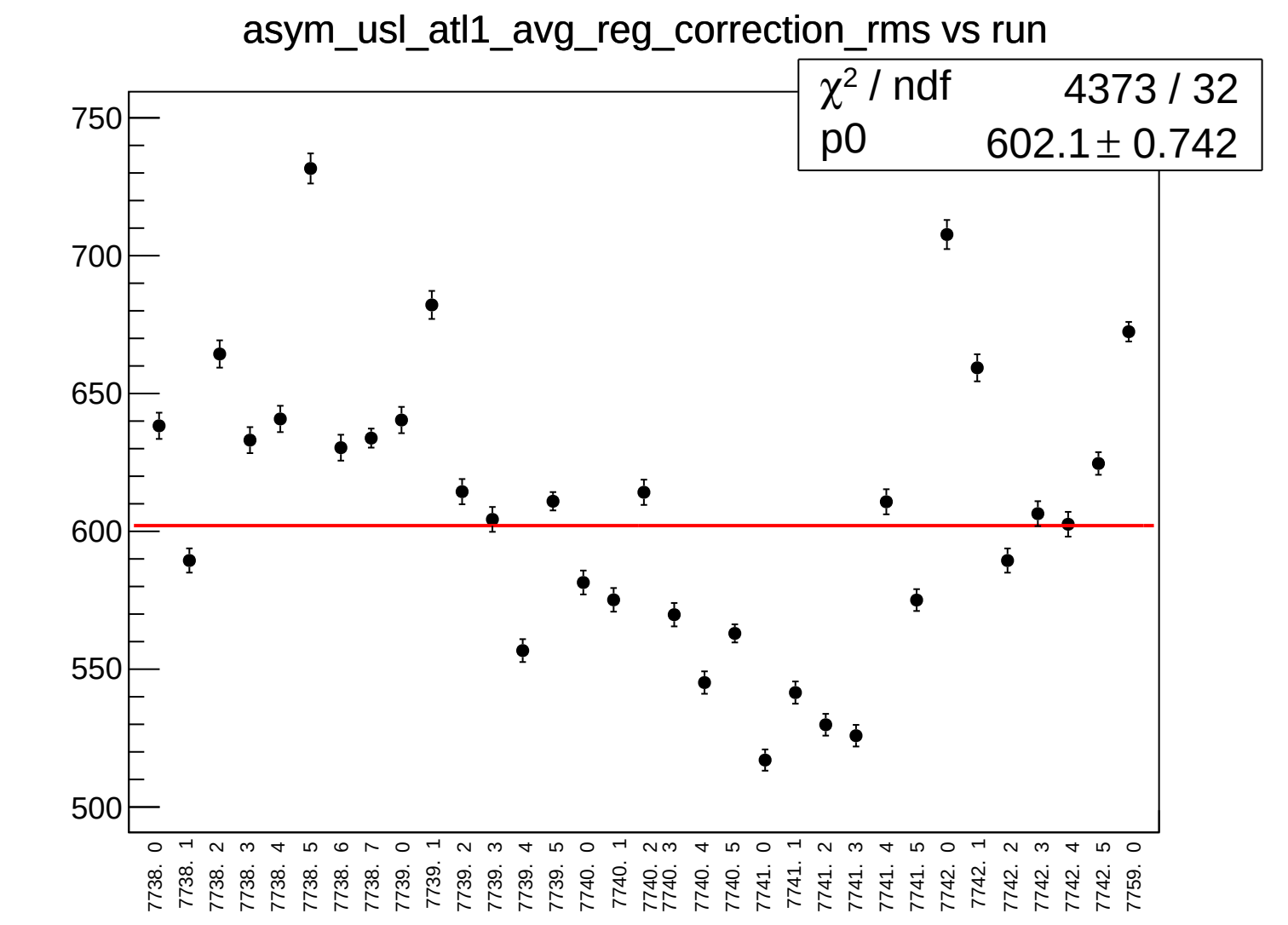

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.117e+05 / 32
p0 1.359e−10 ± 2.024e−13
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

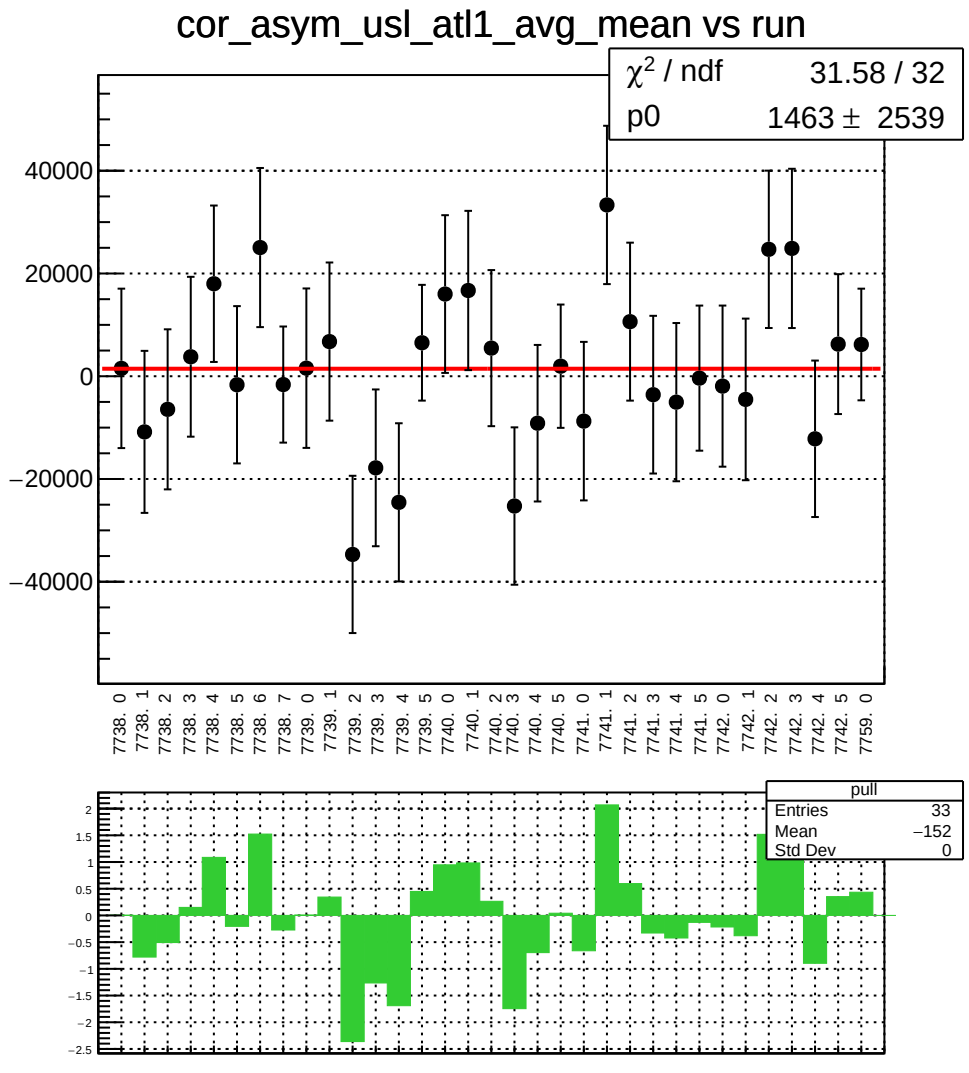

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 31.58 / 32
p0 1463 ± 2539
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.008344
Std Dev 0.9783
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

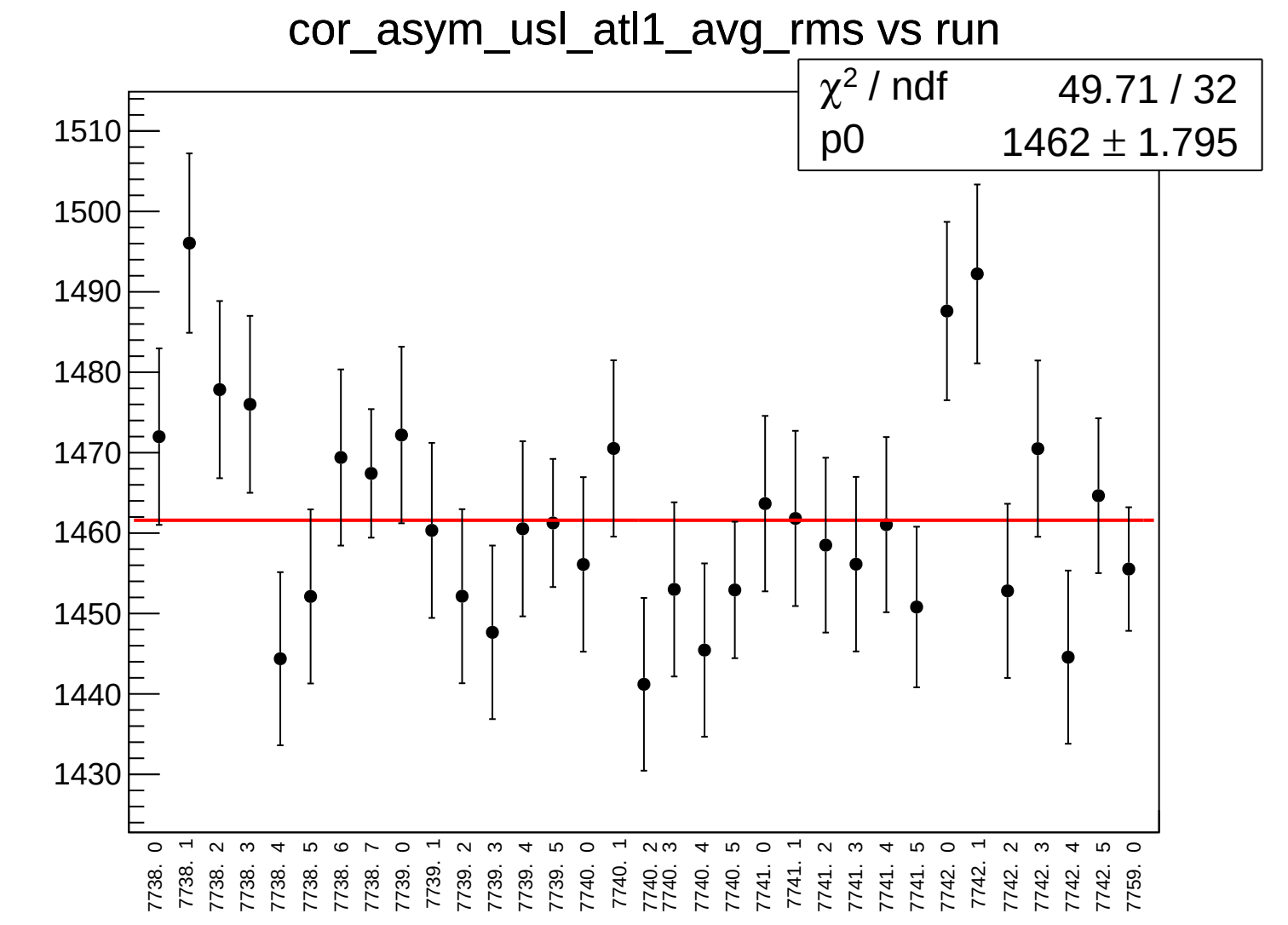

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 49.71 / 32
p0 1462 ± 1.795
1510
1500
1490
1480
1470
1460
1450
1440
1430
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

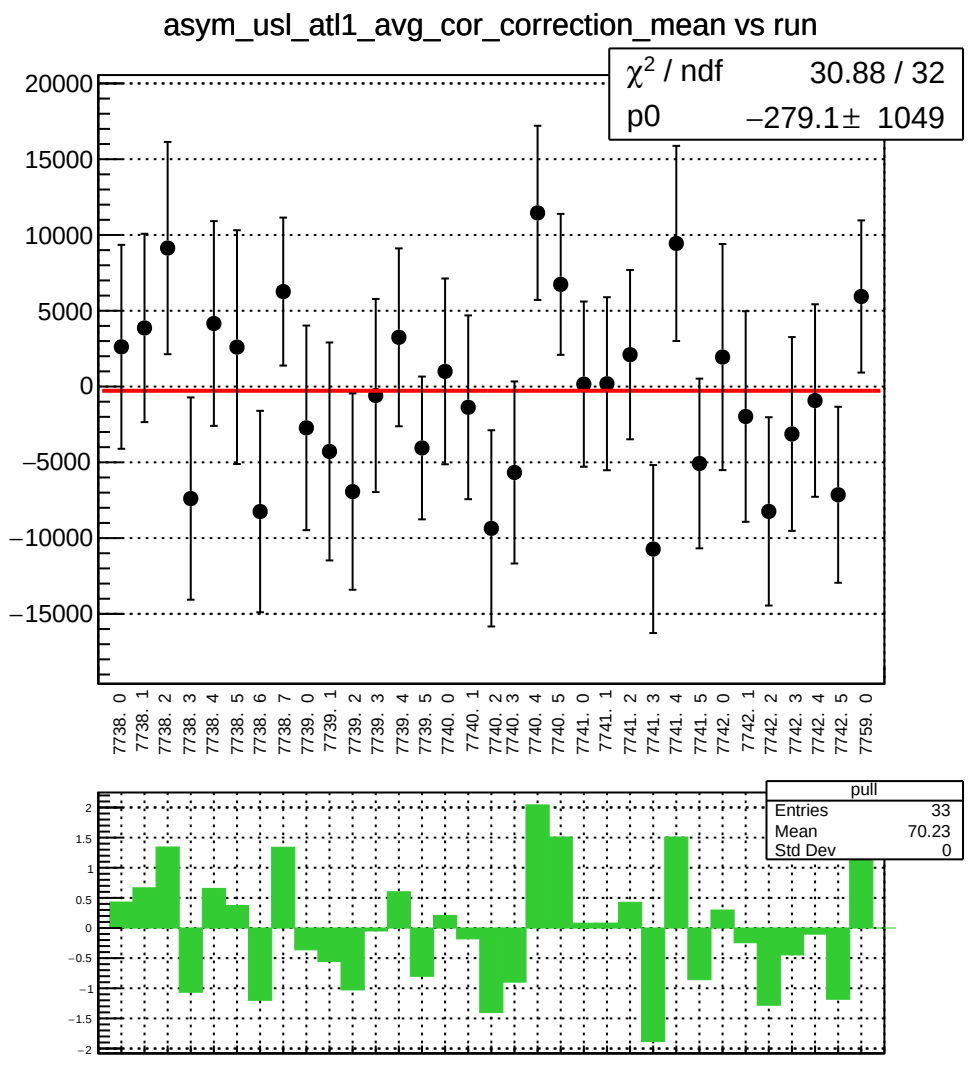

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 30.88 / 32
p0 −278.9 ± 1049
20000
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 70.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

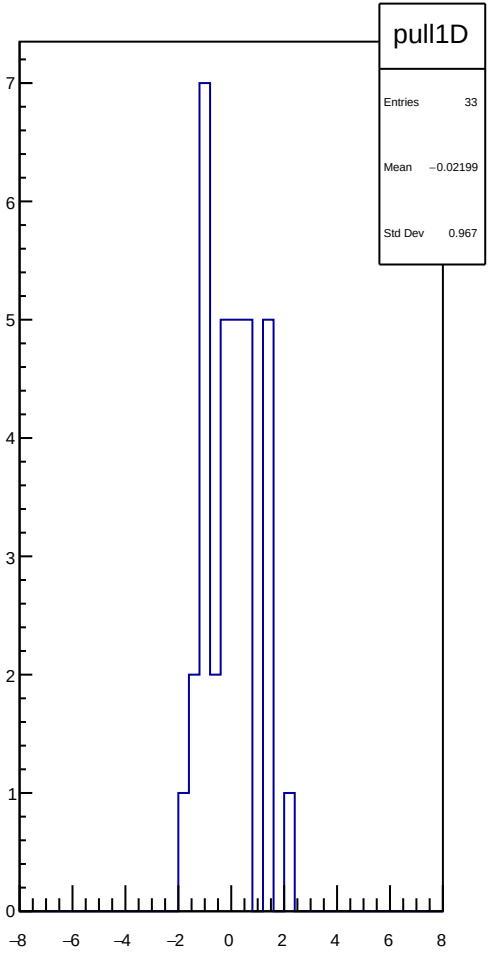

pull1D
Entries 33
Mean −0.022
Std Dev 0.9671
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

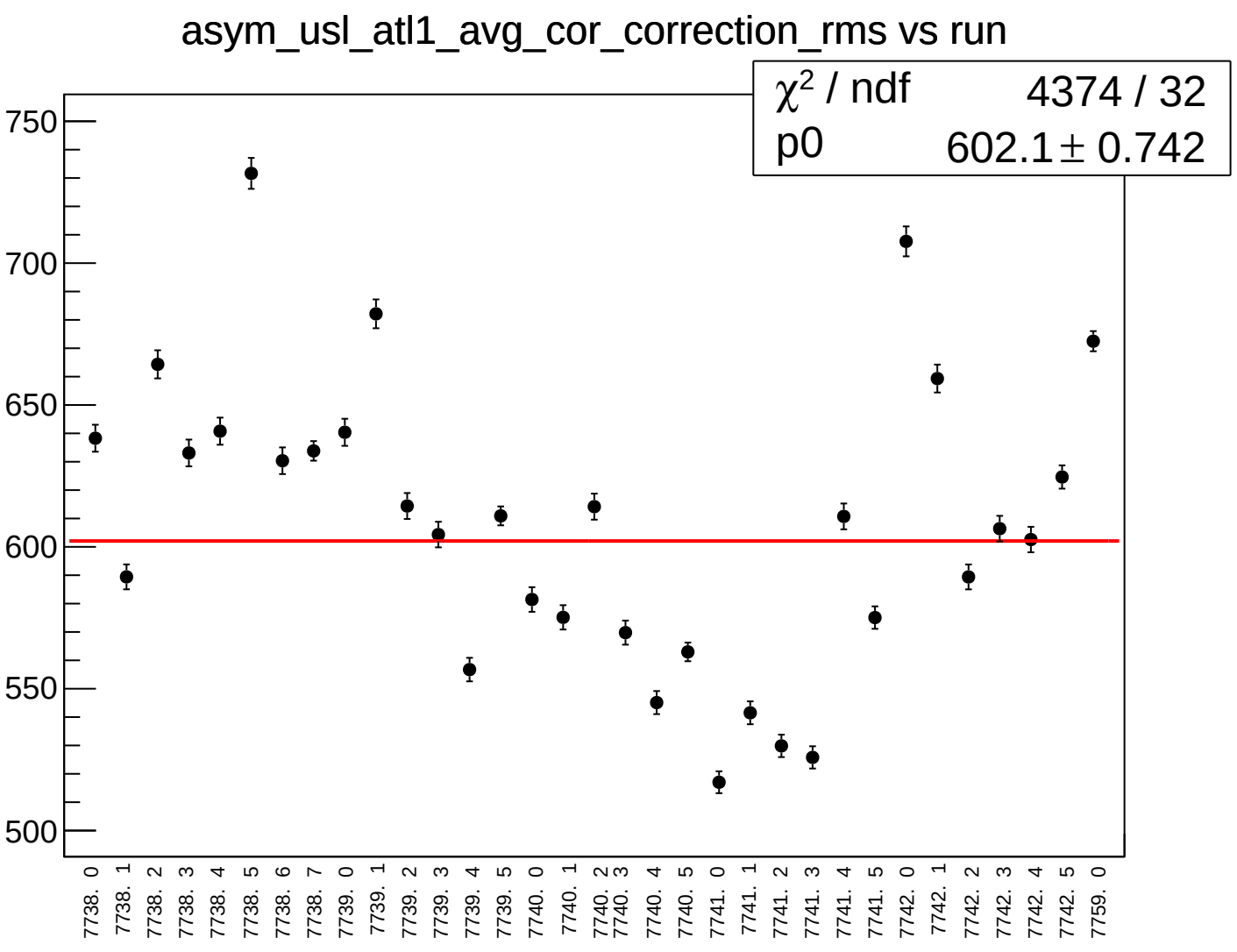

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 4373 / 32
p0 602.1 ± 0.742
750
700
650
600
550
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

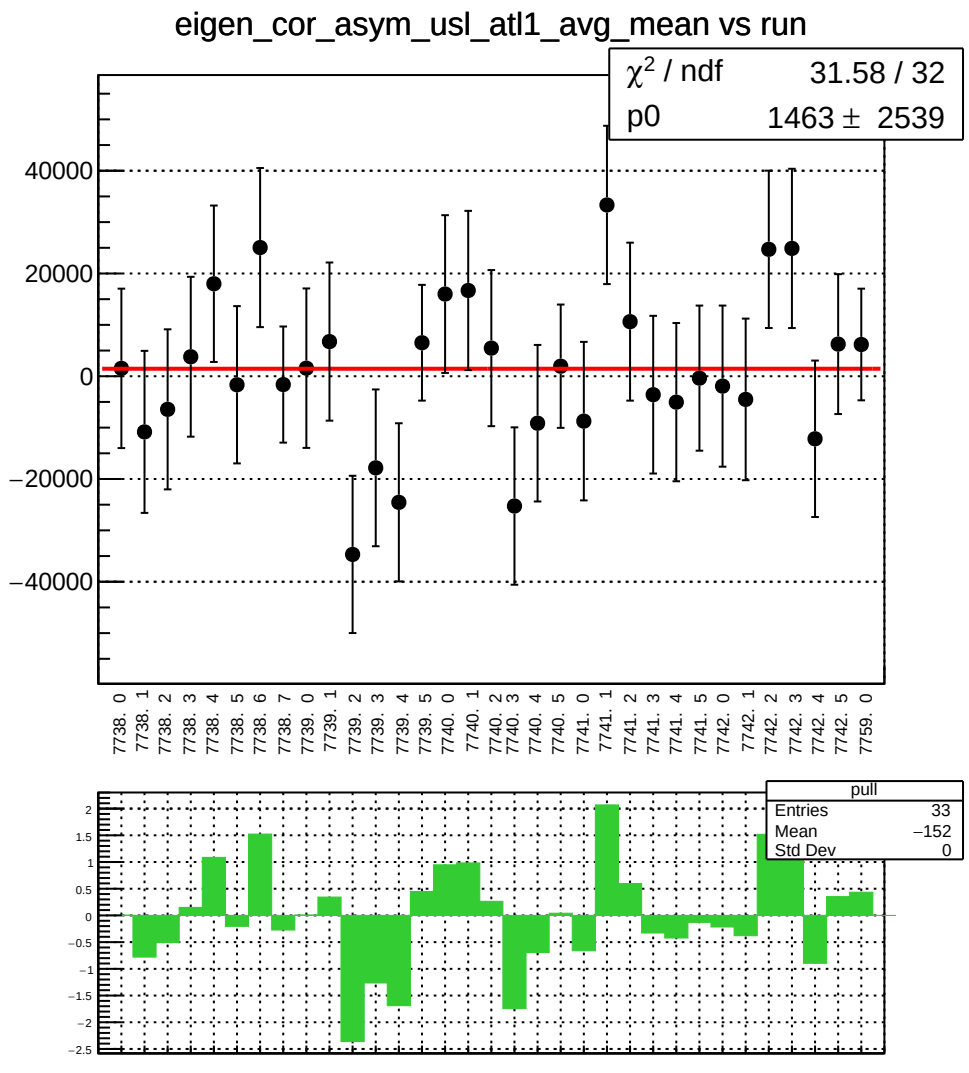

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 31.58 / 32
p0 1463 ± 2539
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.008344
Std Dev 0.9783
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

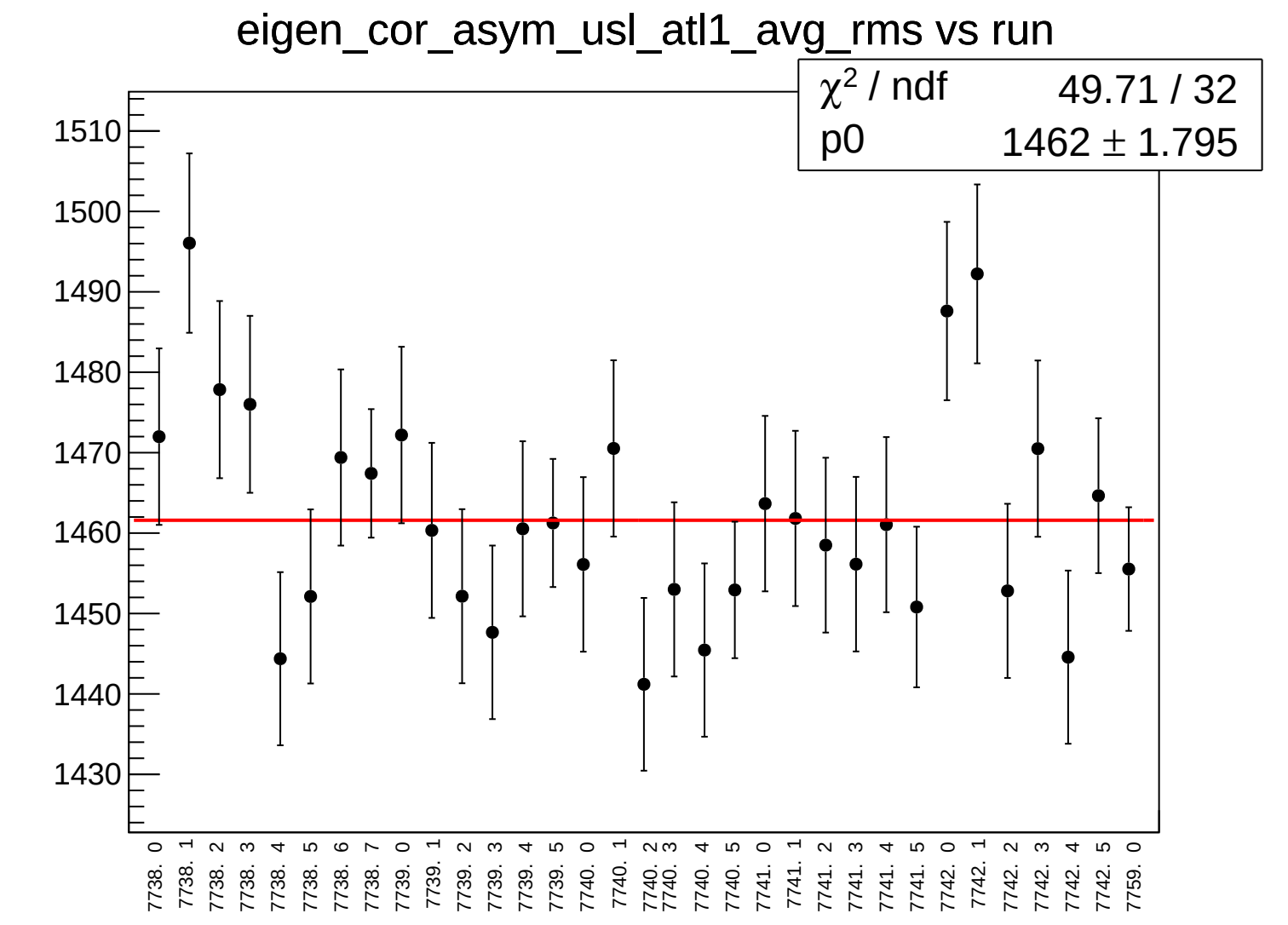

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 49.71 / 32
p0 1462 ± 1.795
1510
1500
1490
1480
1470
1460
1450
1440
1430
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

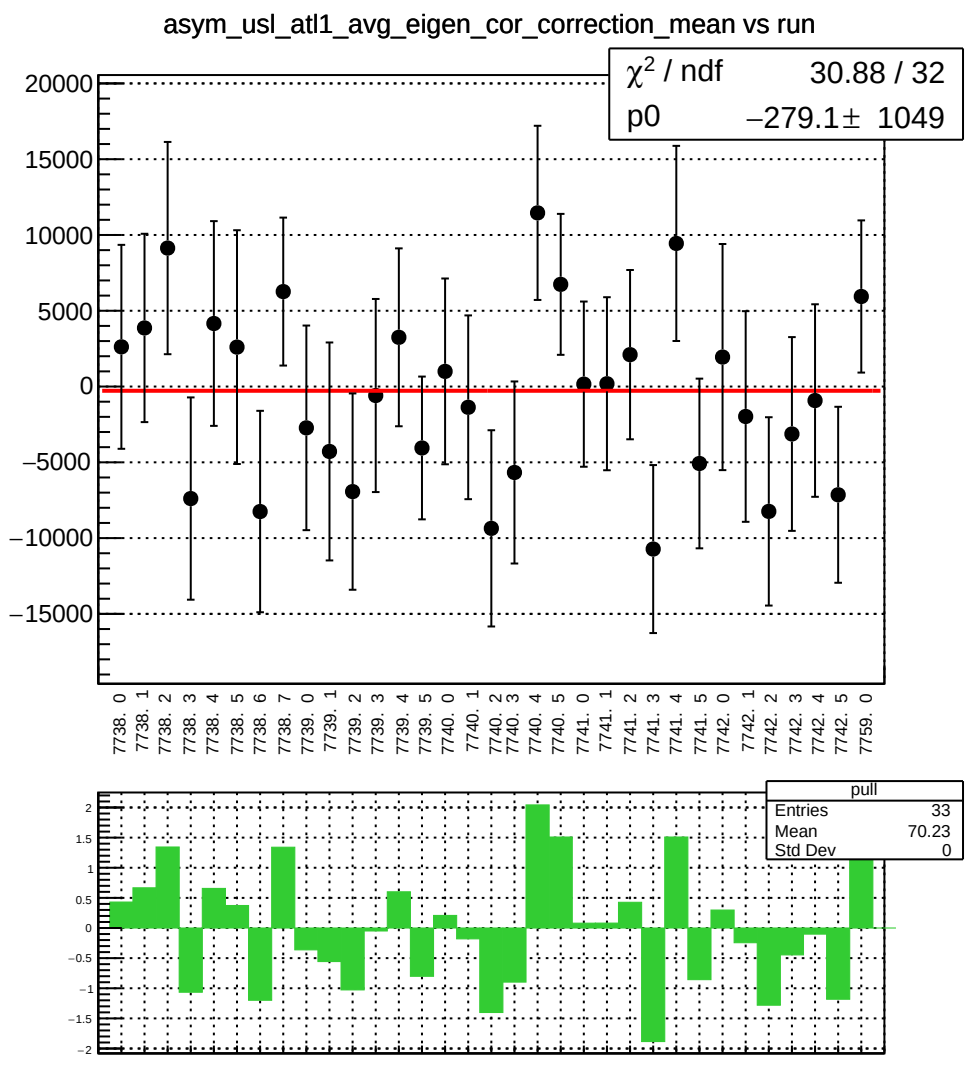

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 30.88 / 32
p0 −279.1± 1049
20000
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 70.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

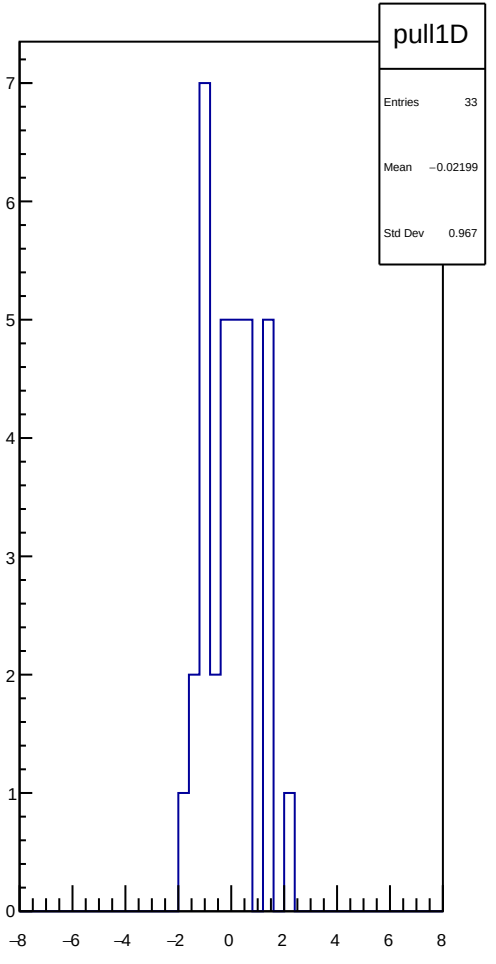

pull1D
Entries 33
Mean −0.02199
Std Dev 0.967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

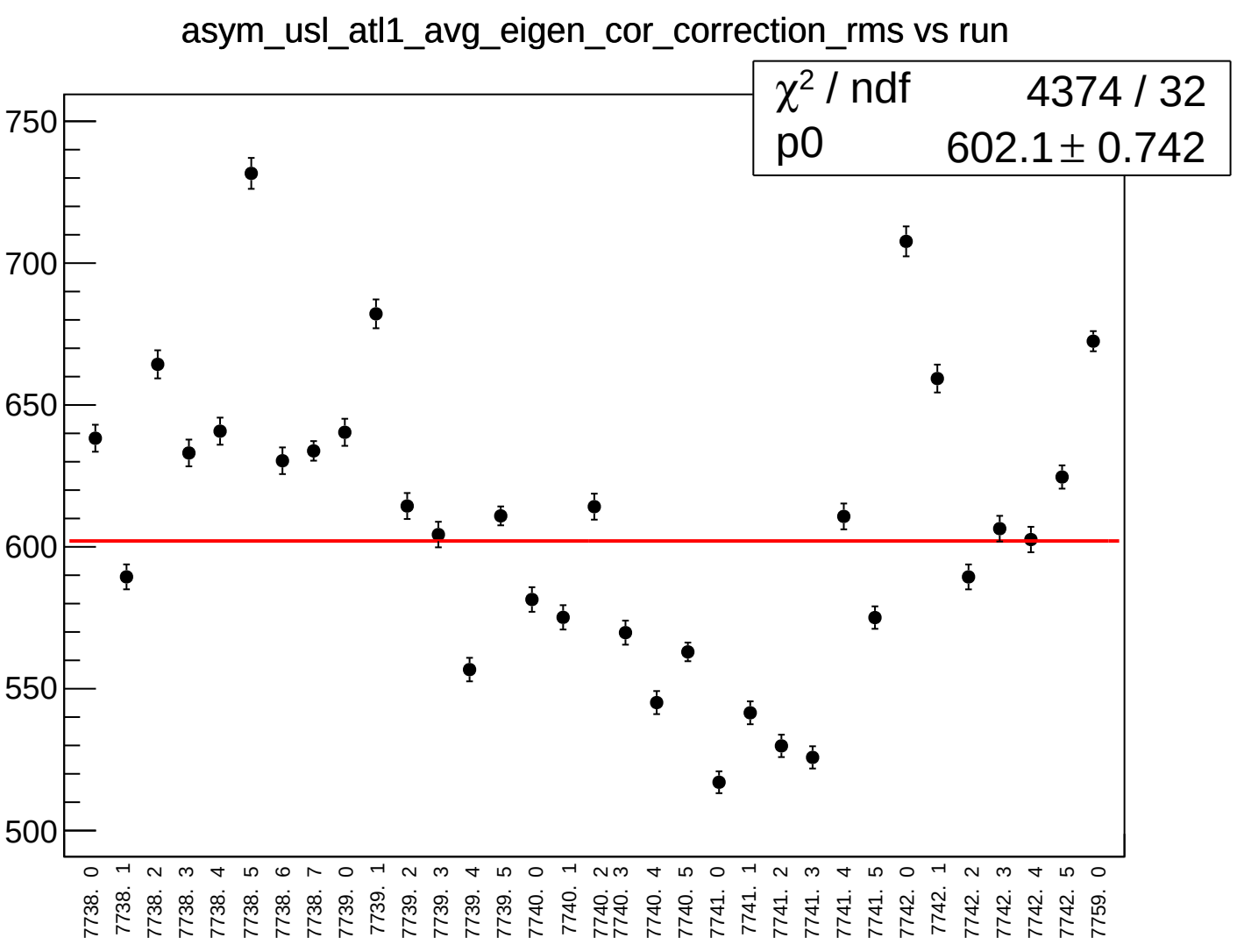

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 4374 / 32
p0 602.1 ± 0.742
750
700
650
600
550
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

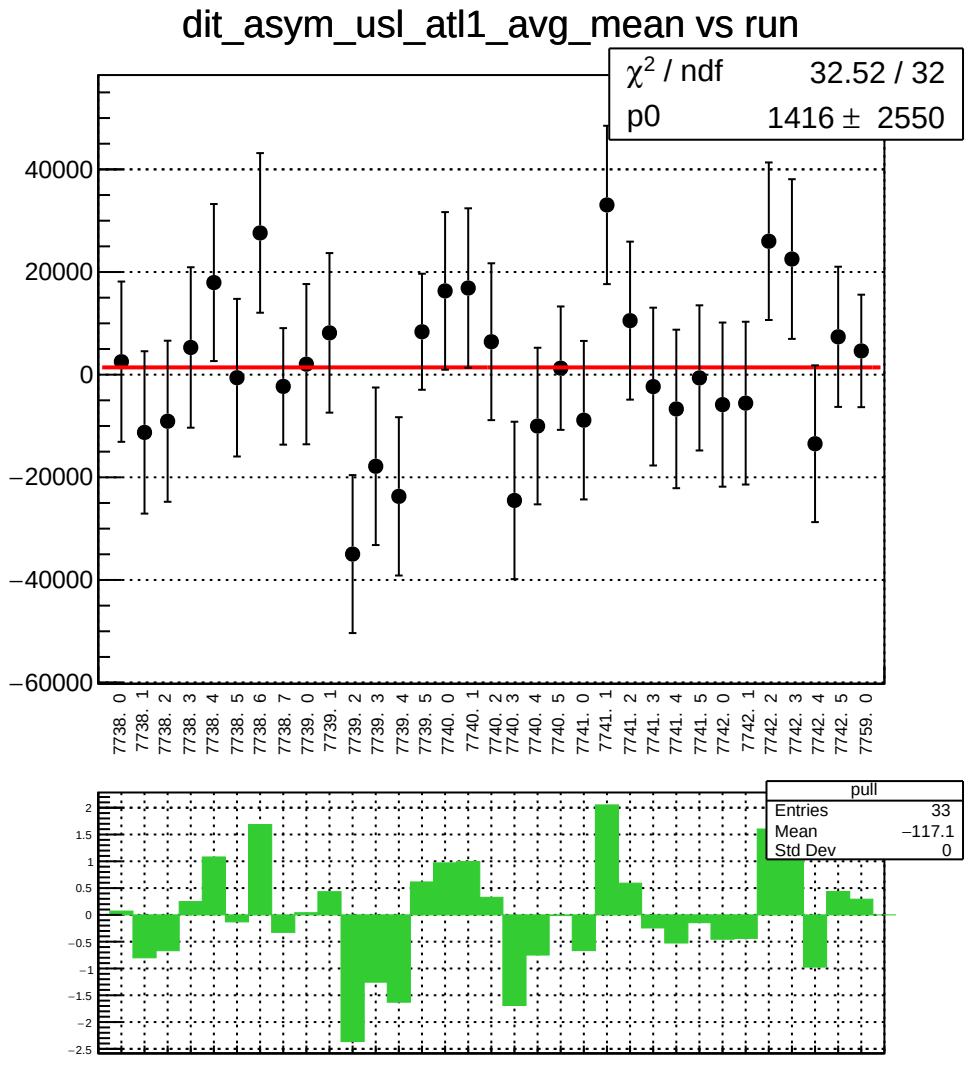

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 31.58 / 32
p0 1463 ± 2539
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.008344
Std Dev 0.9783
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

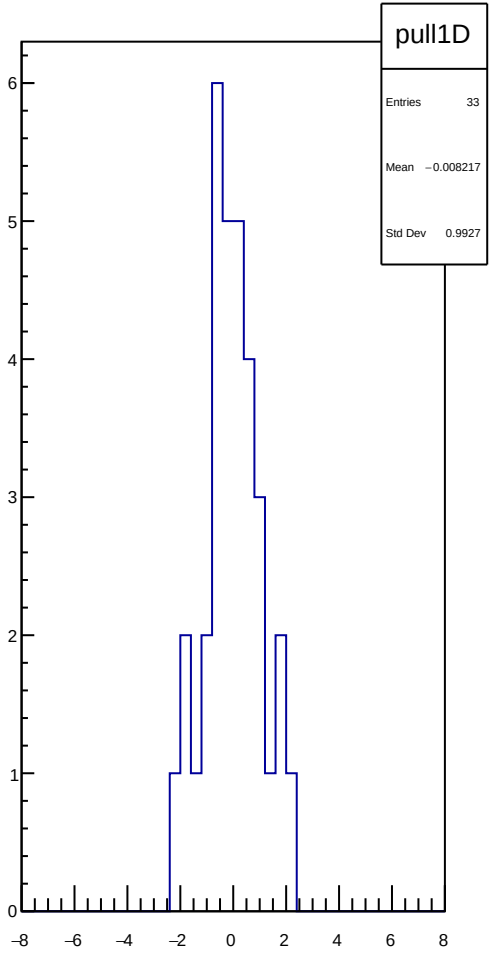

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 49.71 / 32
p0 1462 ± 1.795
1510
1500
1490
1480
1470
1460
1450
1440
1430
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

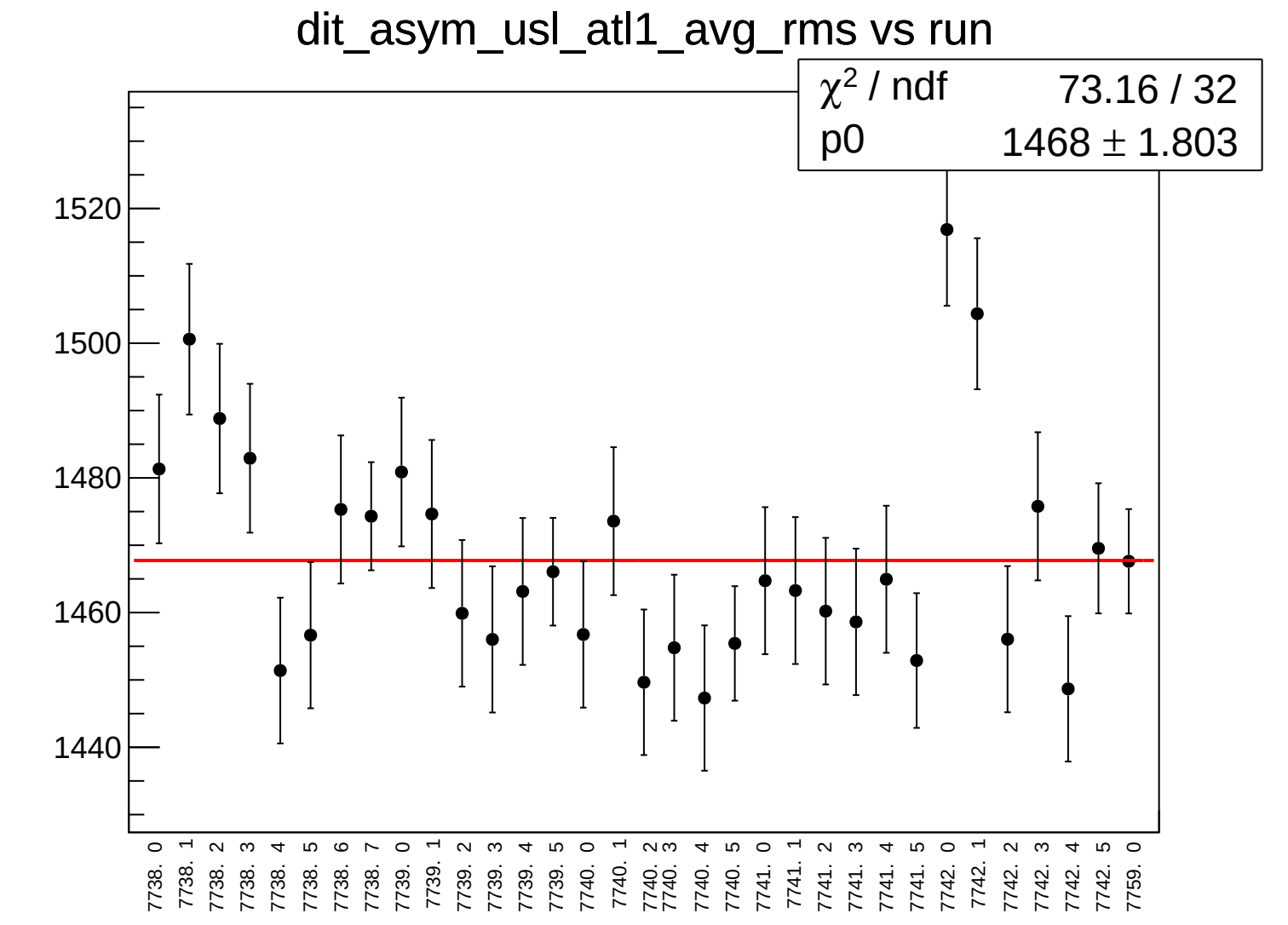

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 30.88 / 32
p0 −279.1± 1049
20000
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 70.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

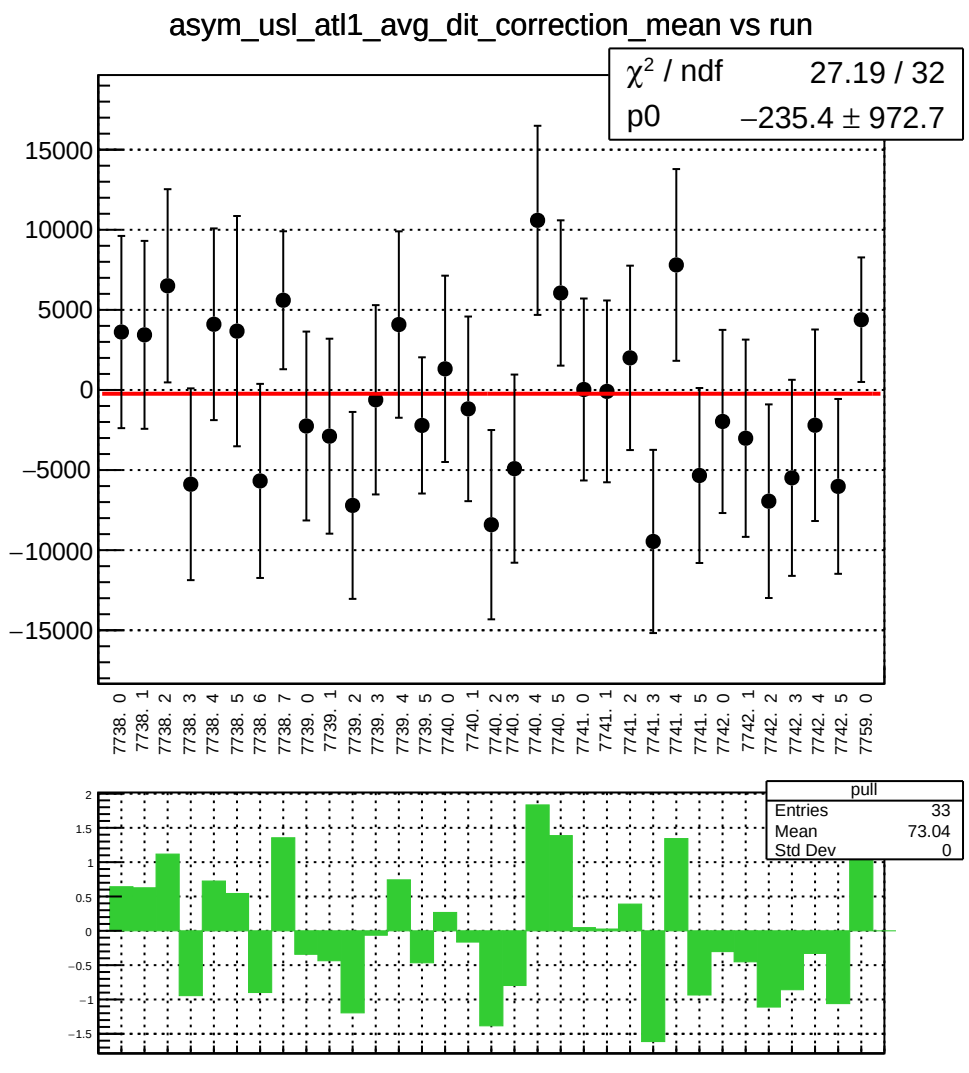

pull1D
Entries 33
Mean −0.02199
Std Dev 0.967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

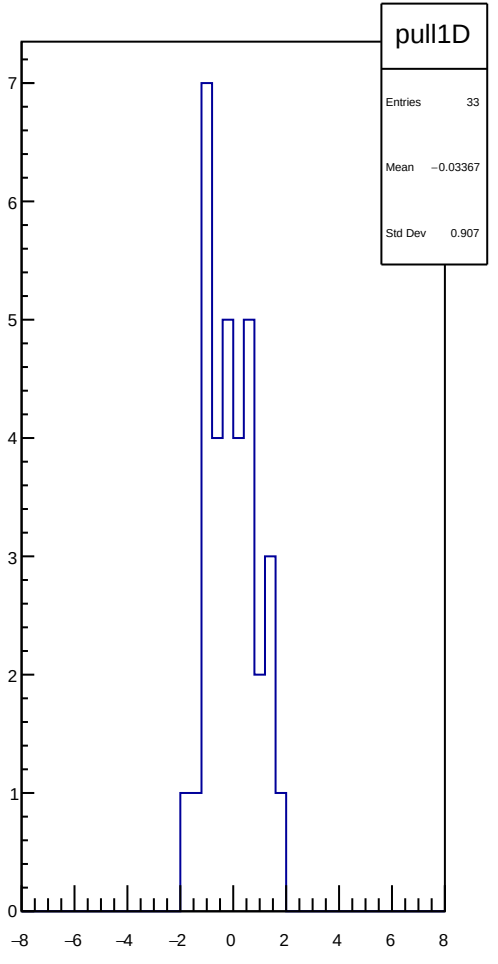

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 4374 / 32
p0 602.1 ± 0.742
750
700
650
600
550
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

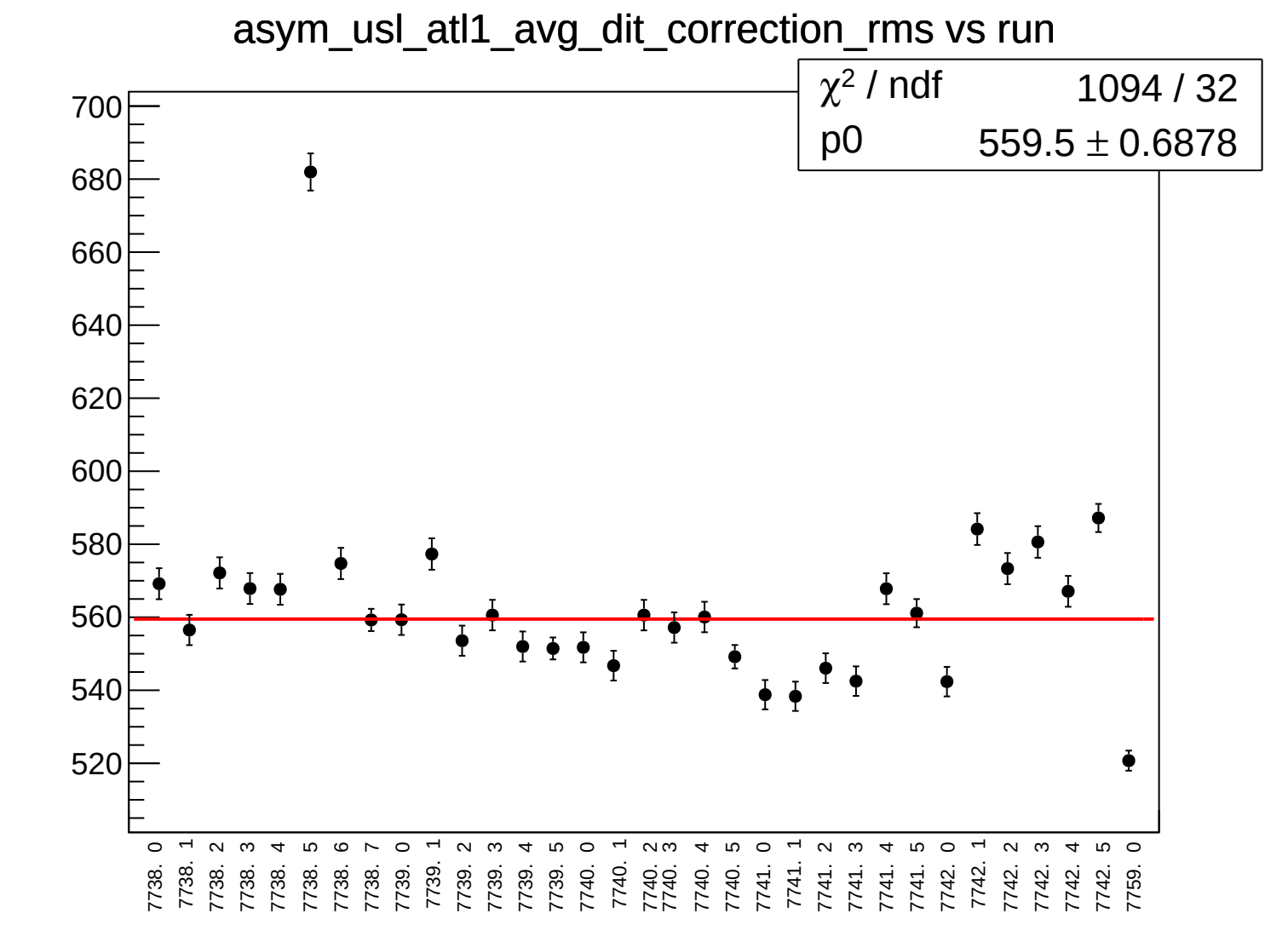

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.52 / 32
p0 1416 ± 2550
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −117.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

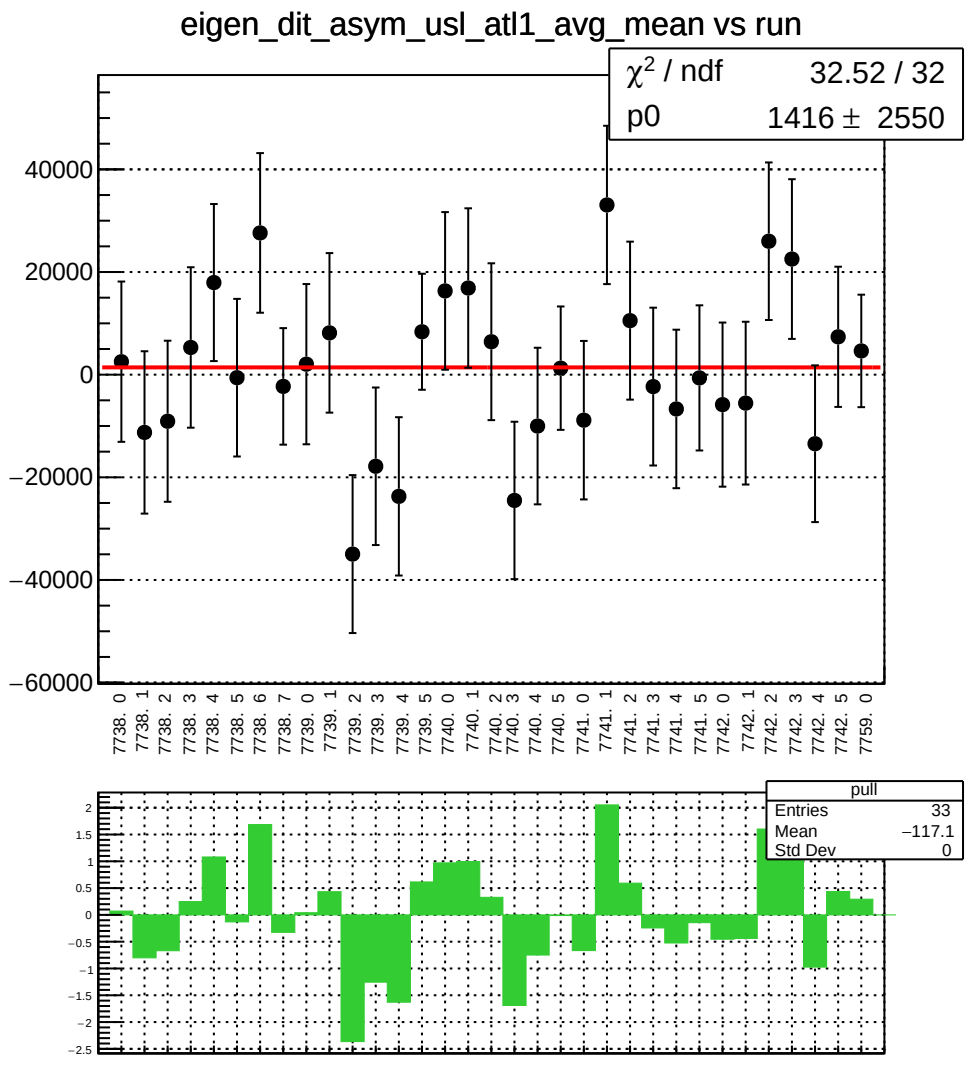

pull1D
Entries 33
Mean −0.008217
Std Dev 0.9927
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

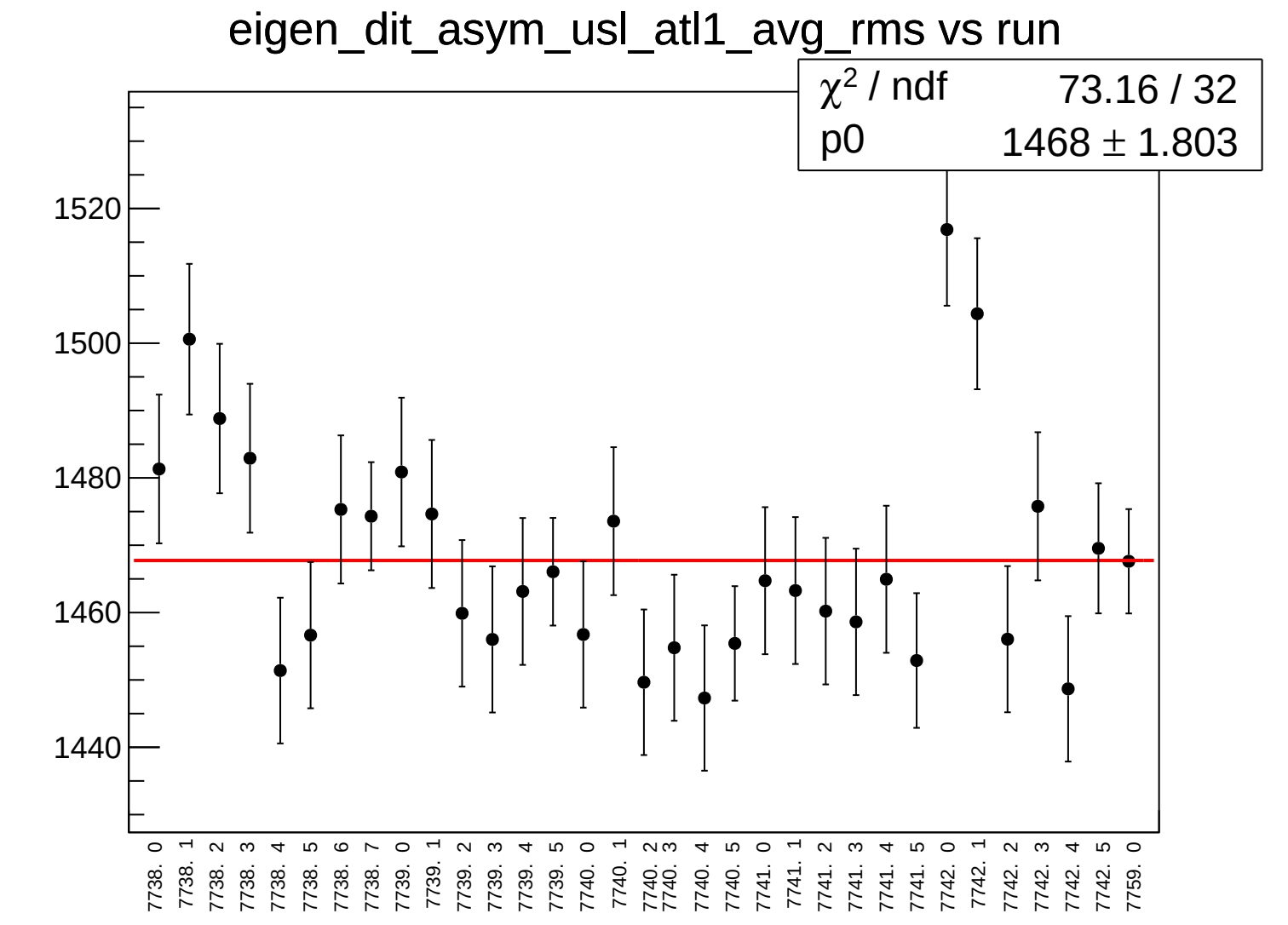

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 73.16 / 32
p0 1468 ± 1.803
1520
1500
1480
1460
1440
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

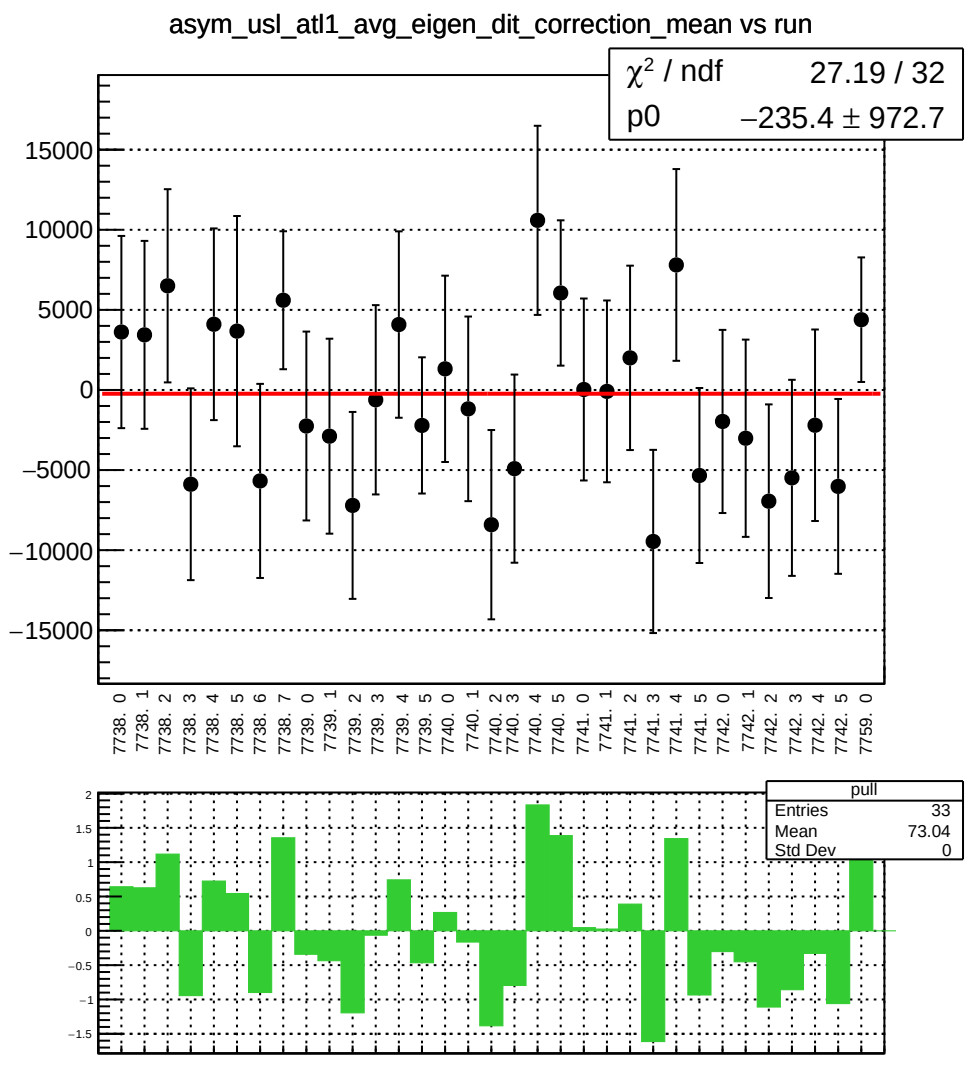

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 27.19 / 32
p0 −235.4 ± 972.7
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

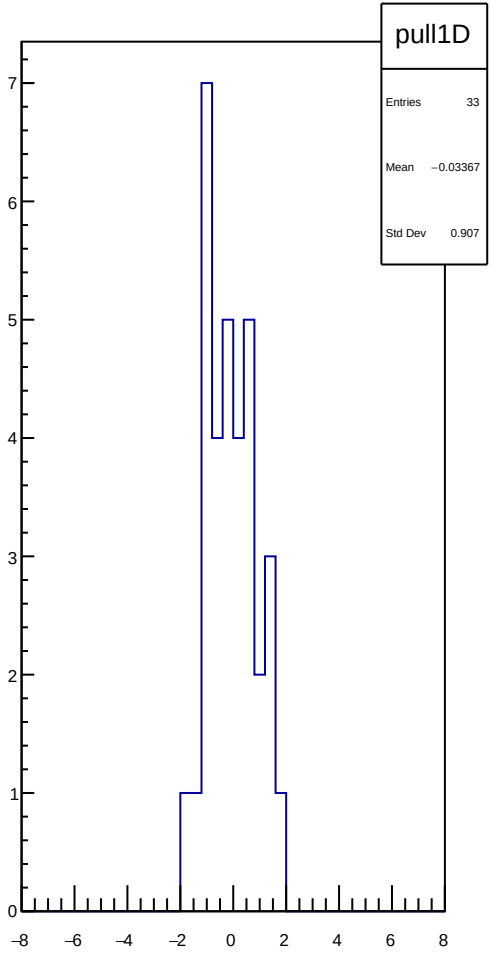

pull1D
Entries 33
Mean −0.03367
Std Dev 0.907
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

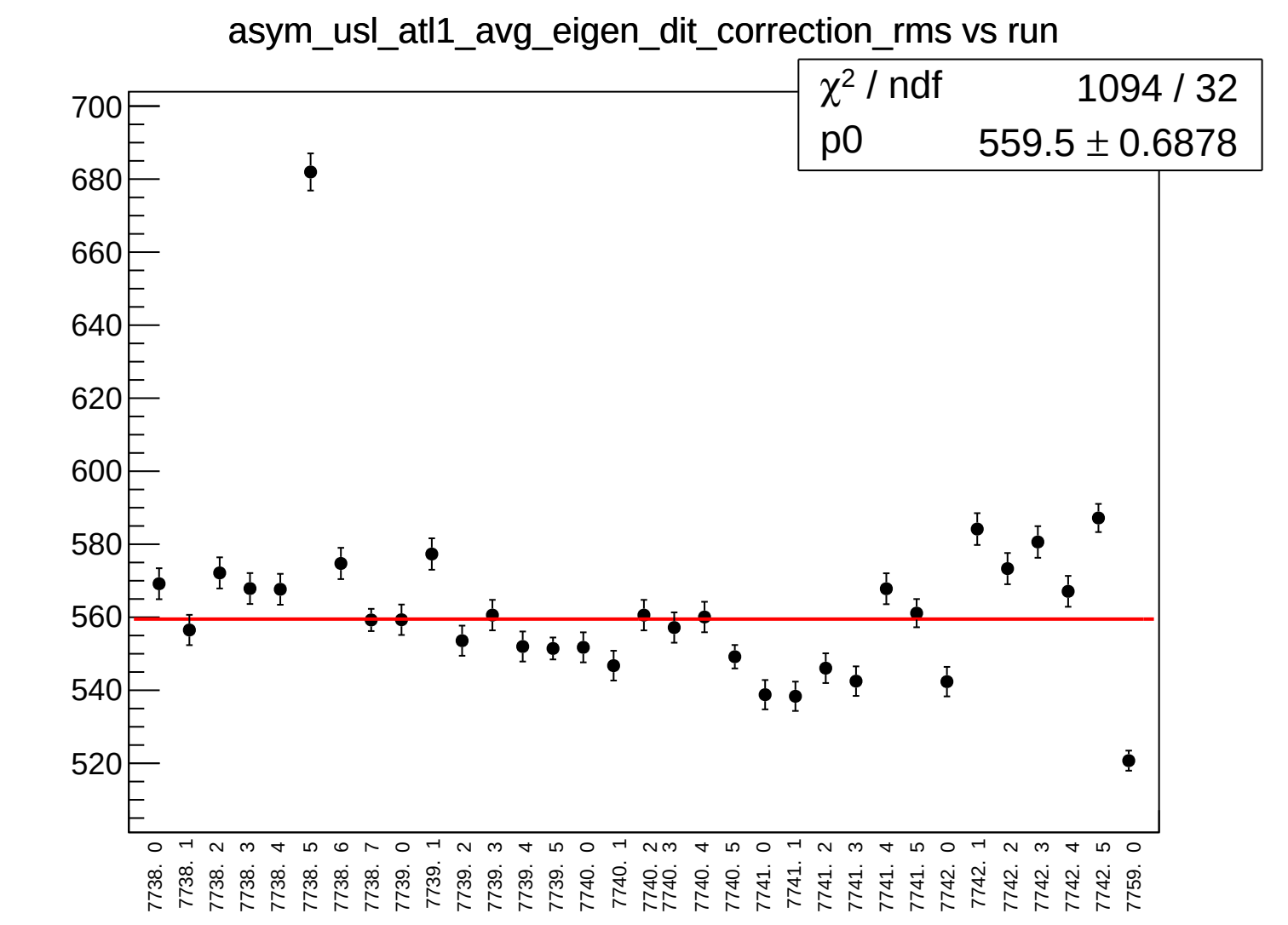

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1094 / 32
p0 559.5 ± 0.6878
700
680
660
640
620
600
580
560
540
520
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

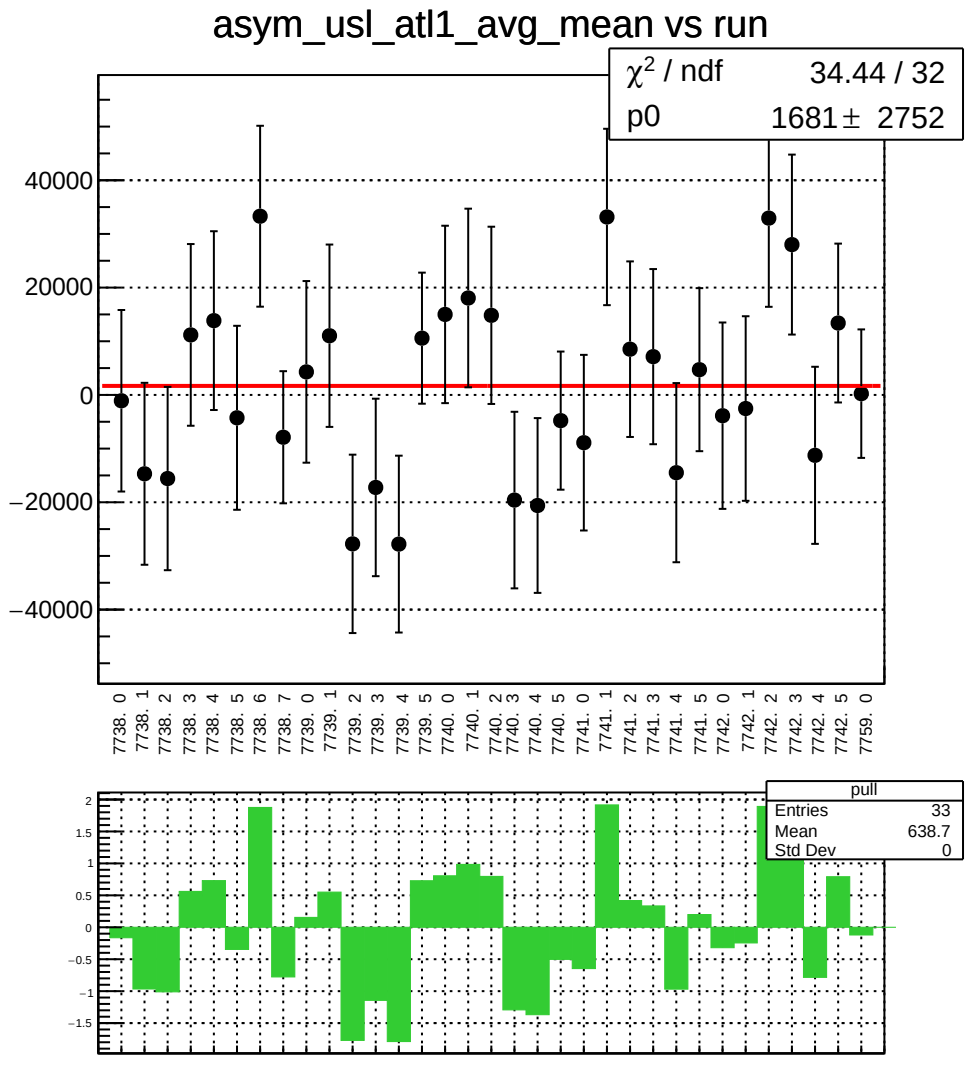

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.52 / 32
p0 1416 ± 2550
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −117.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.008217
Std Dev 0.9927
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

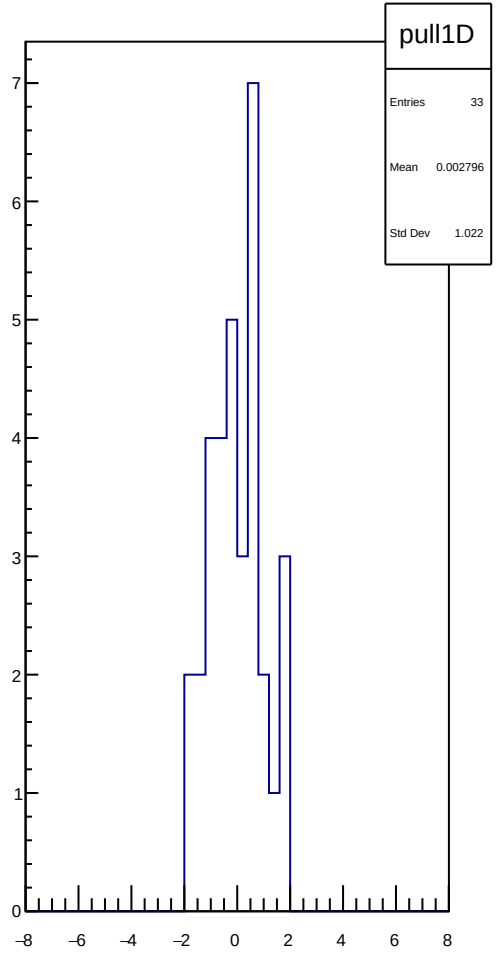

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 73.16 / 32
p0 1468 ± 1.803
1520
1500
1480
1460
1440
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

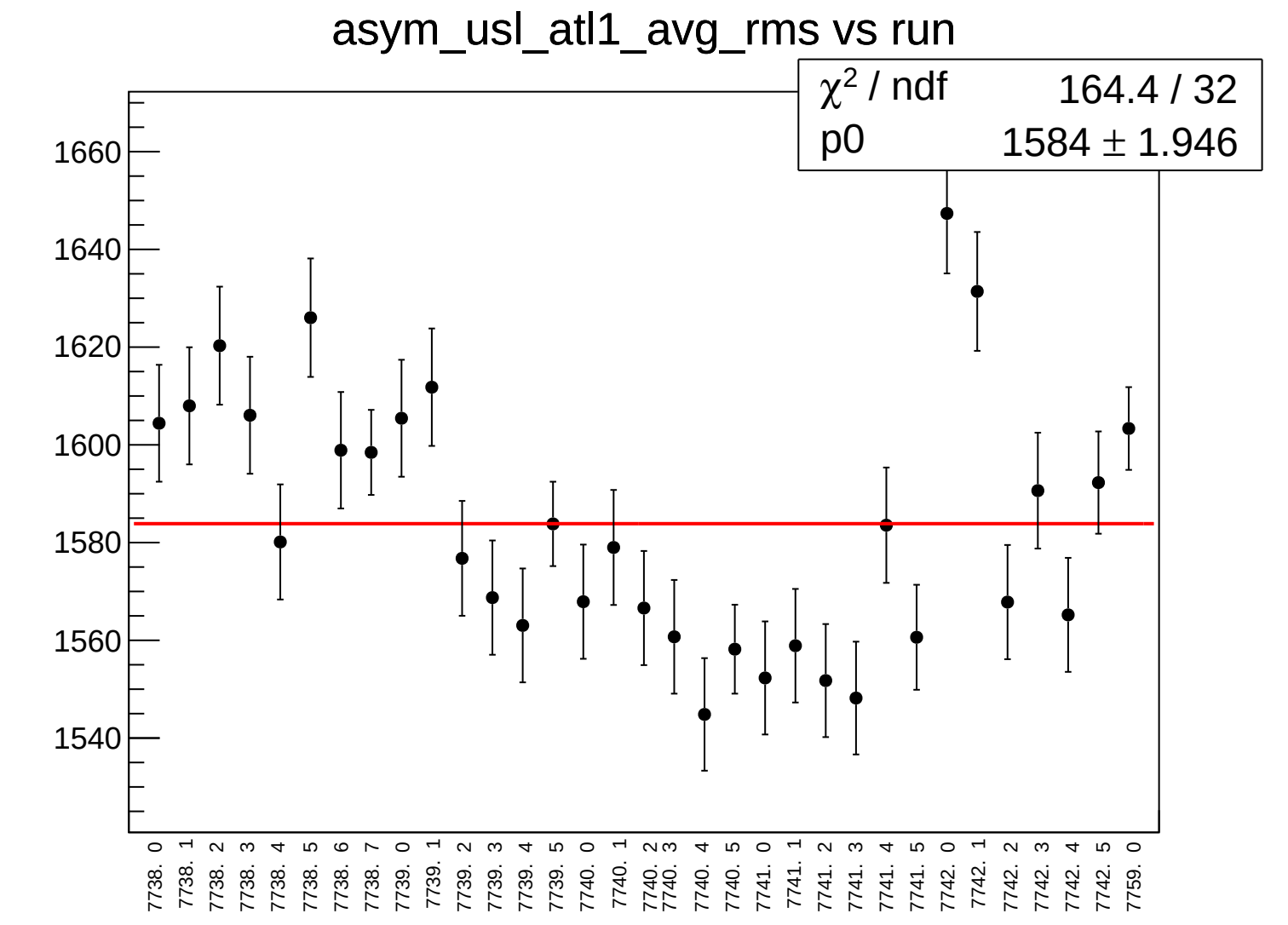

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 27.19 / 32
p0 −235.4 ± 972.7
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

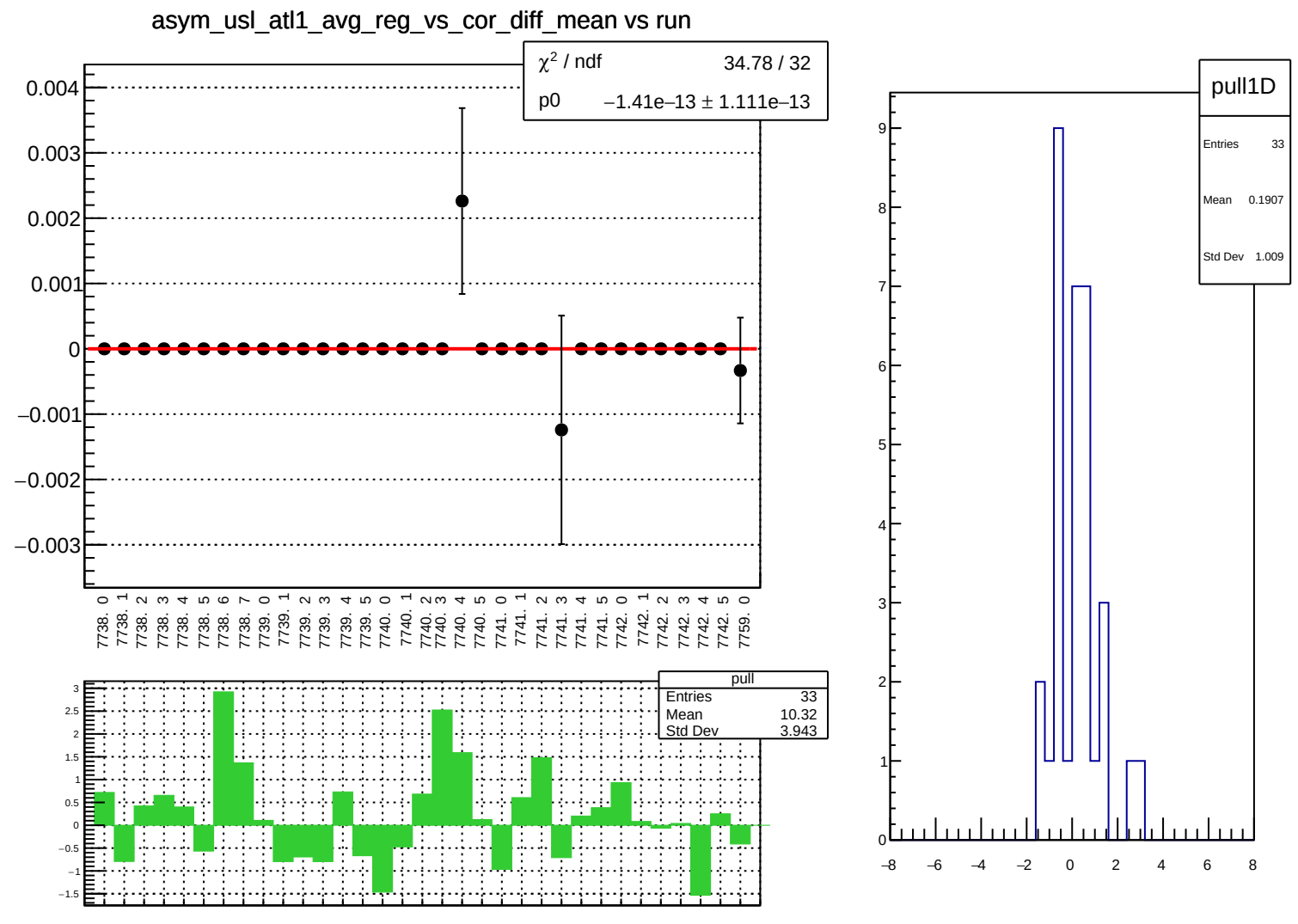

pull1D
Entries 33
Mean −0.03367
Std Dev 0.907
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

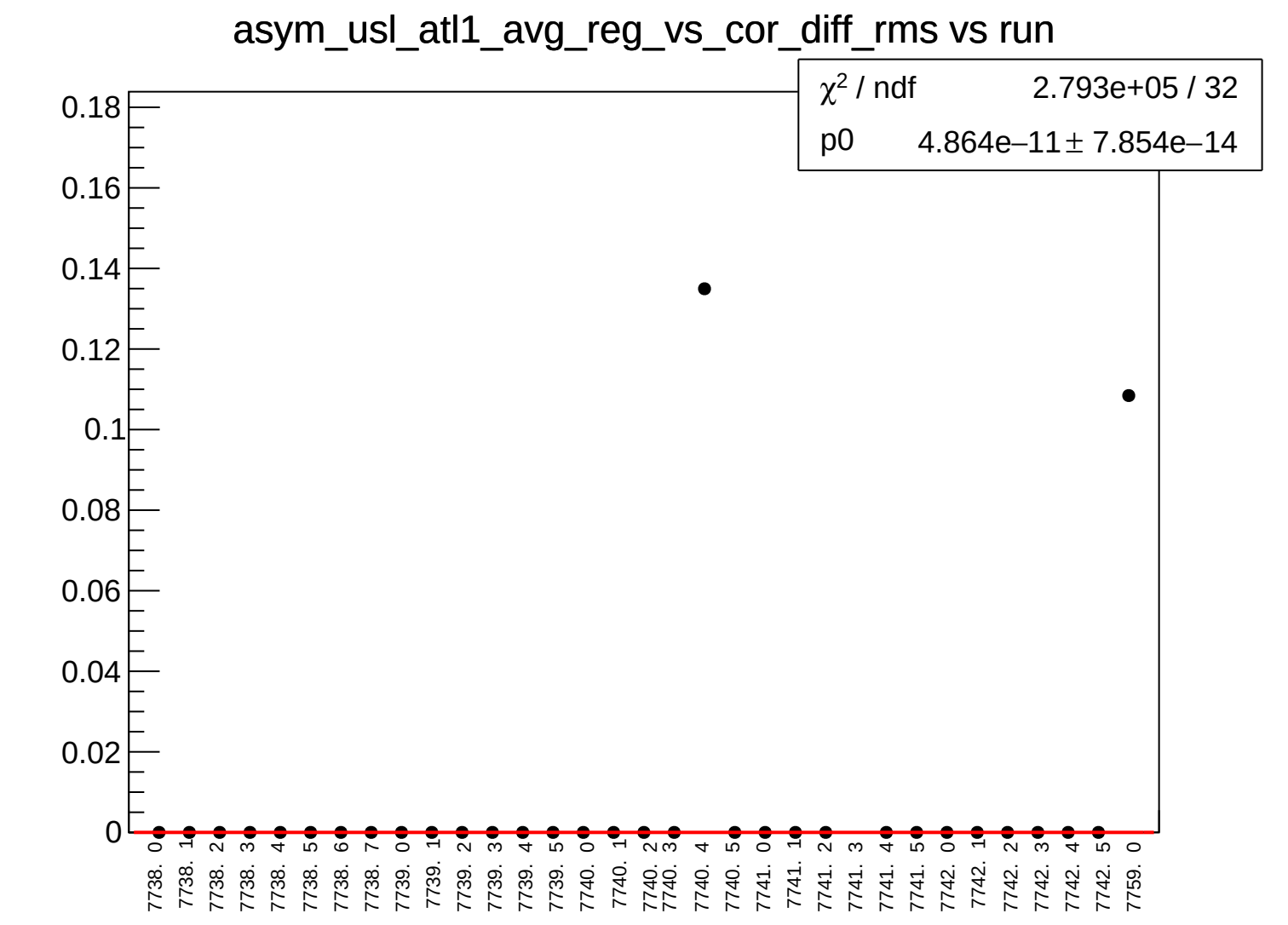

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1094 / 32
p0 559.5 ± 0.6878
700
680
660
640
620
600
580
560
540
520
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

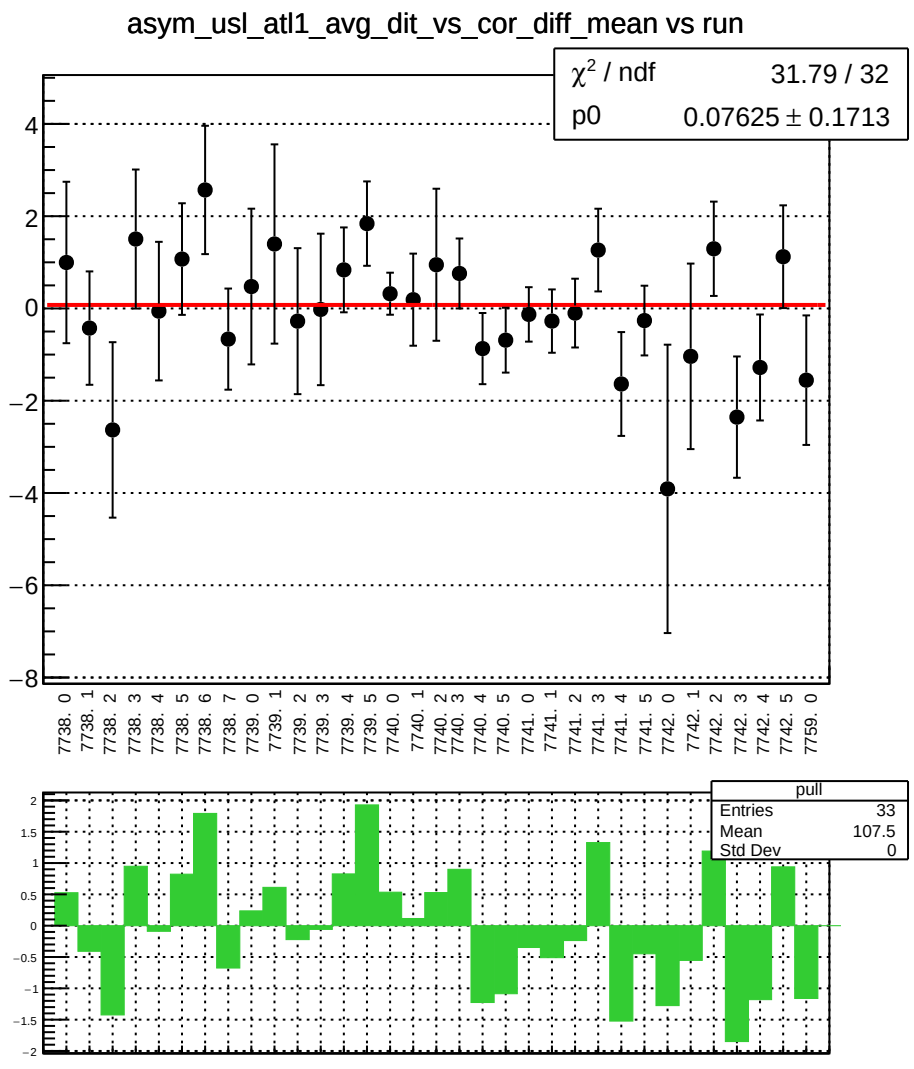

asym_usl_atl1_avg_mean vs run
χ² / ndf 34.44 / 32
p0 1681 ± 2752
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 638.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

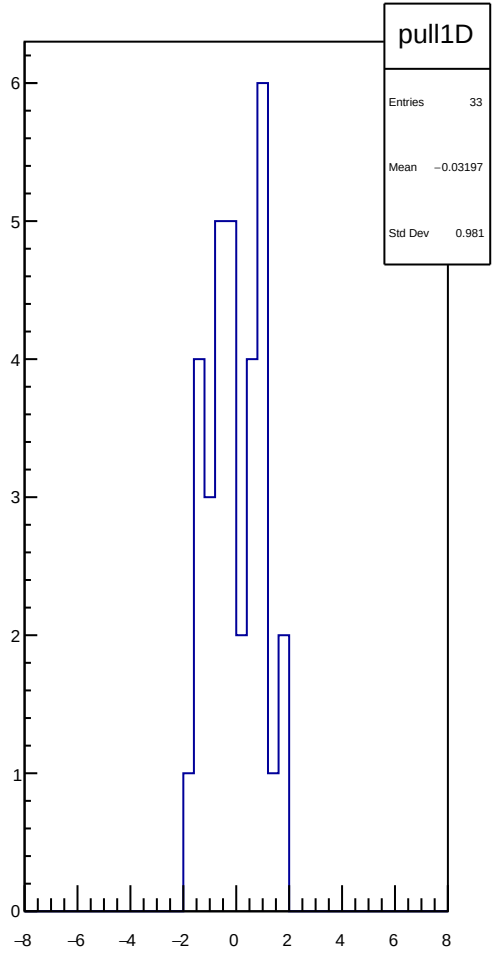

pull1D
Entries 33
Mean 0.002796
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

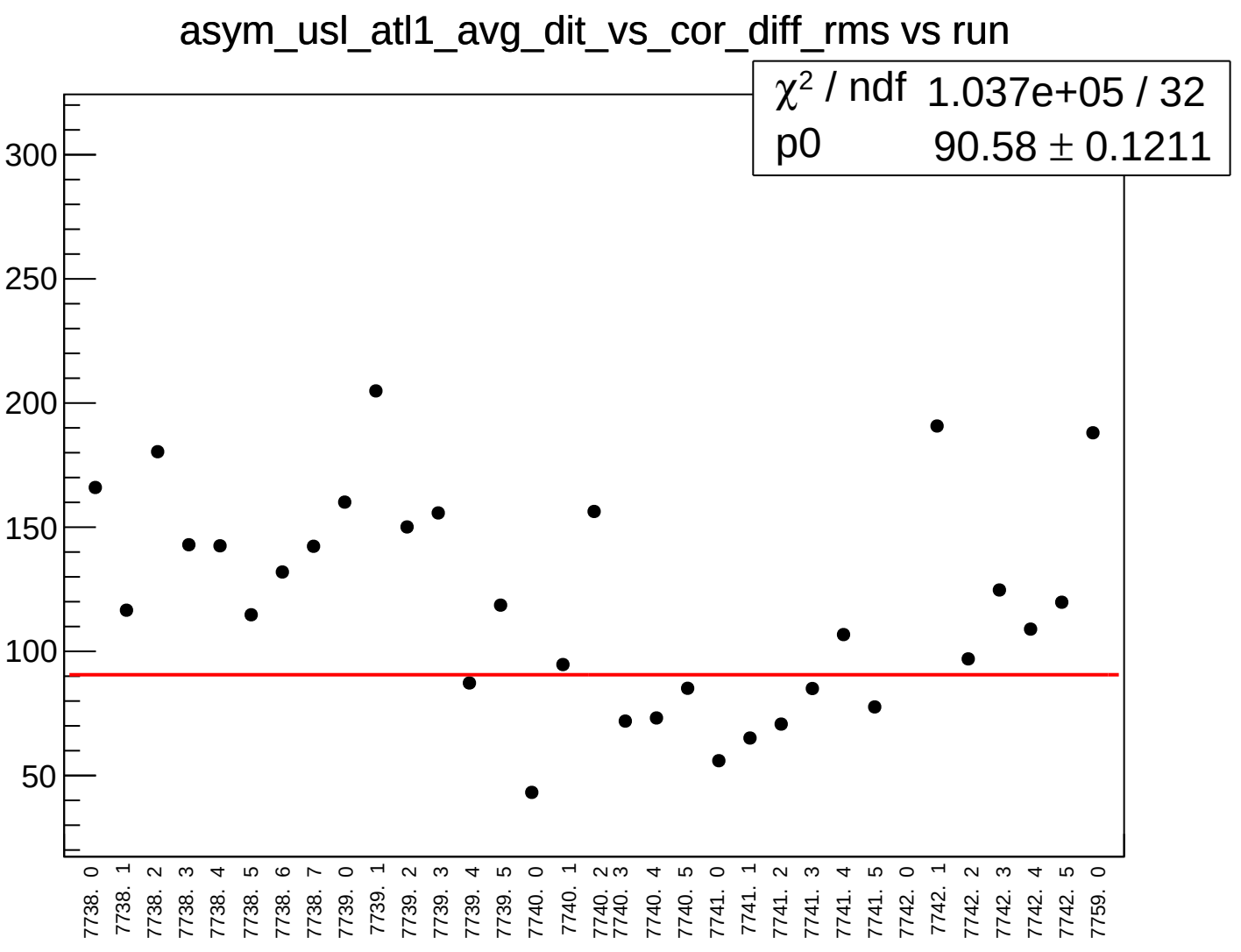

asym_usl_atl1_avg_rms vs run
χ² / ndf 164.4 / 32
p0 1584 ± 1.946
1660
1640
1620
1600
1580
1560
1540
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

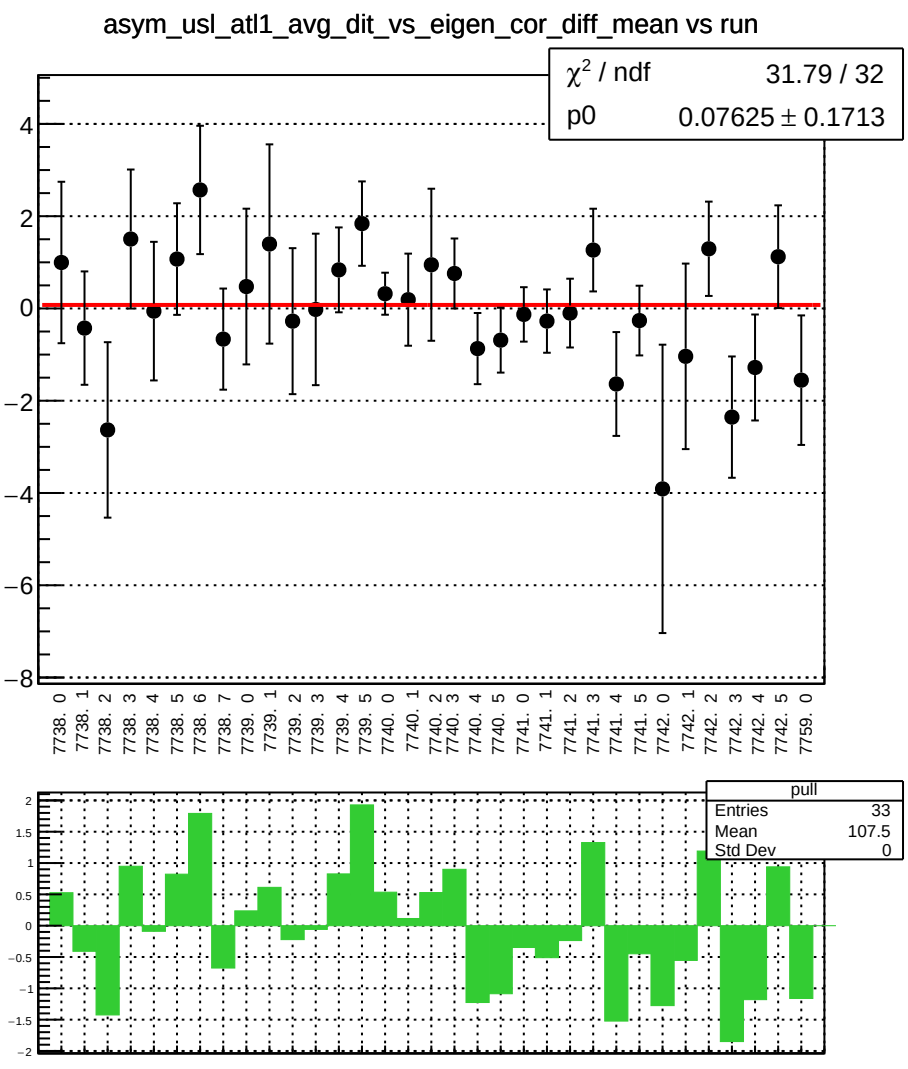

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.78 / 32
p0 −1.41e−13 ± 1.111e−13
0.004
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.32
Std Dev 3.943
pull1D
Entries 33
Mean 0.1907
Std Dev 1.009

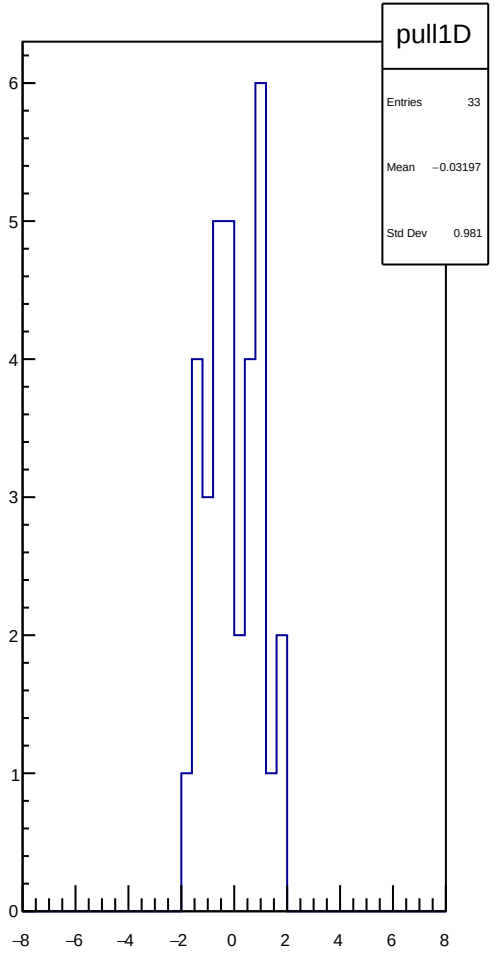

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.793e+05 / 32
p0 4.864e−11 ± 7.854e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

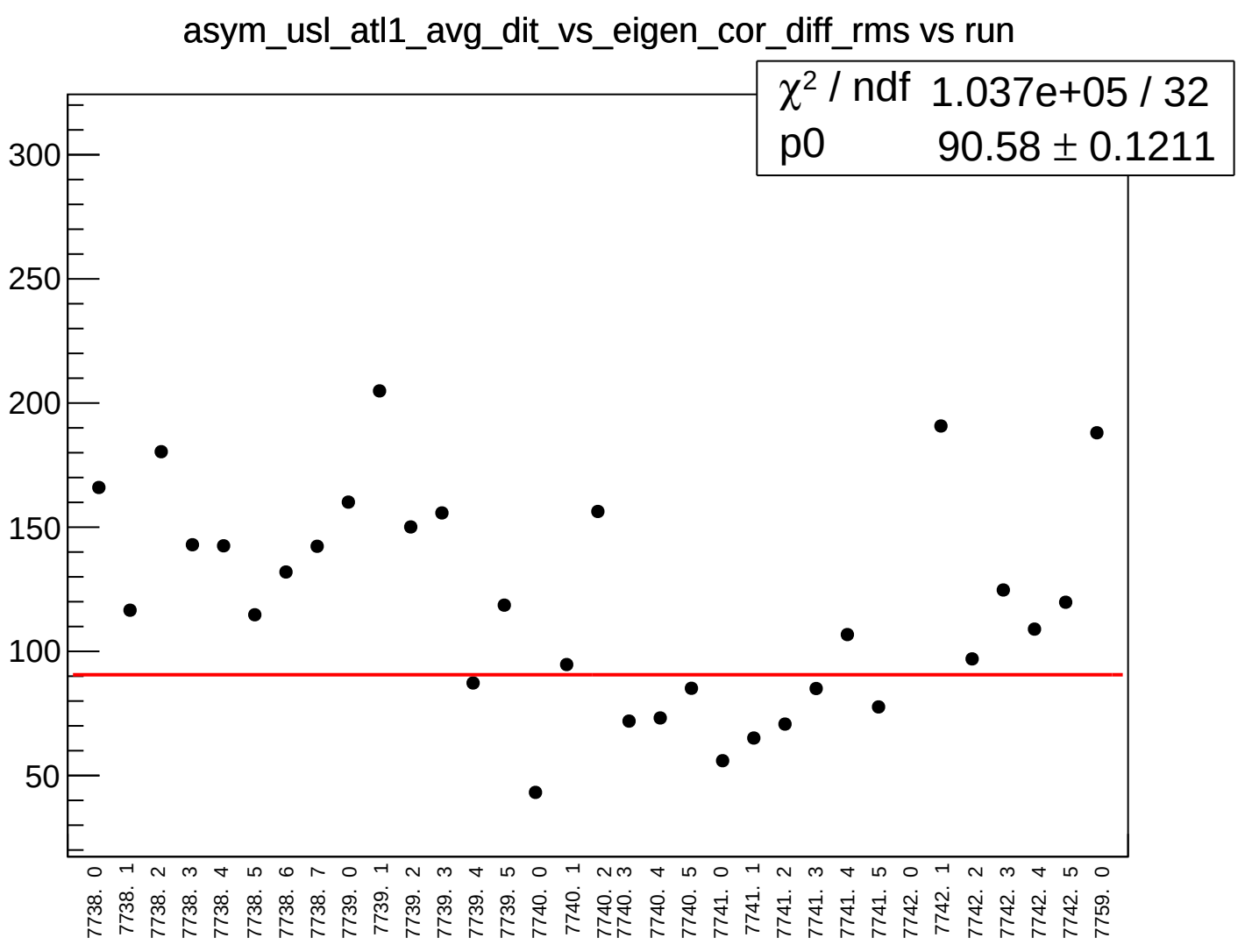

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 31.79 / 32
p0 0.07625 ± 0.1713
pull
Entries 33
Mean 107.5
Std Dev 0

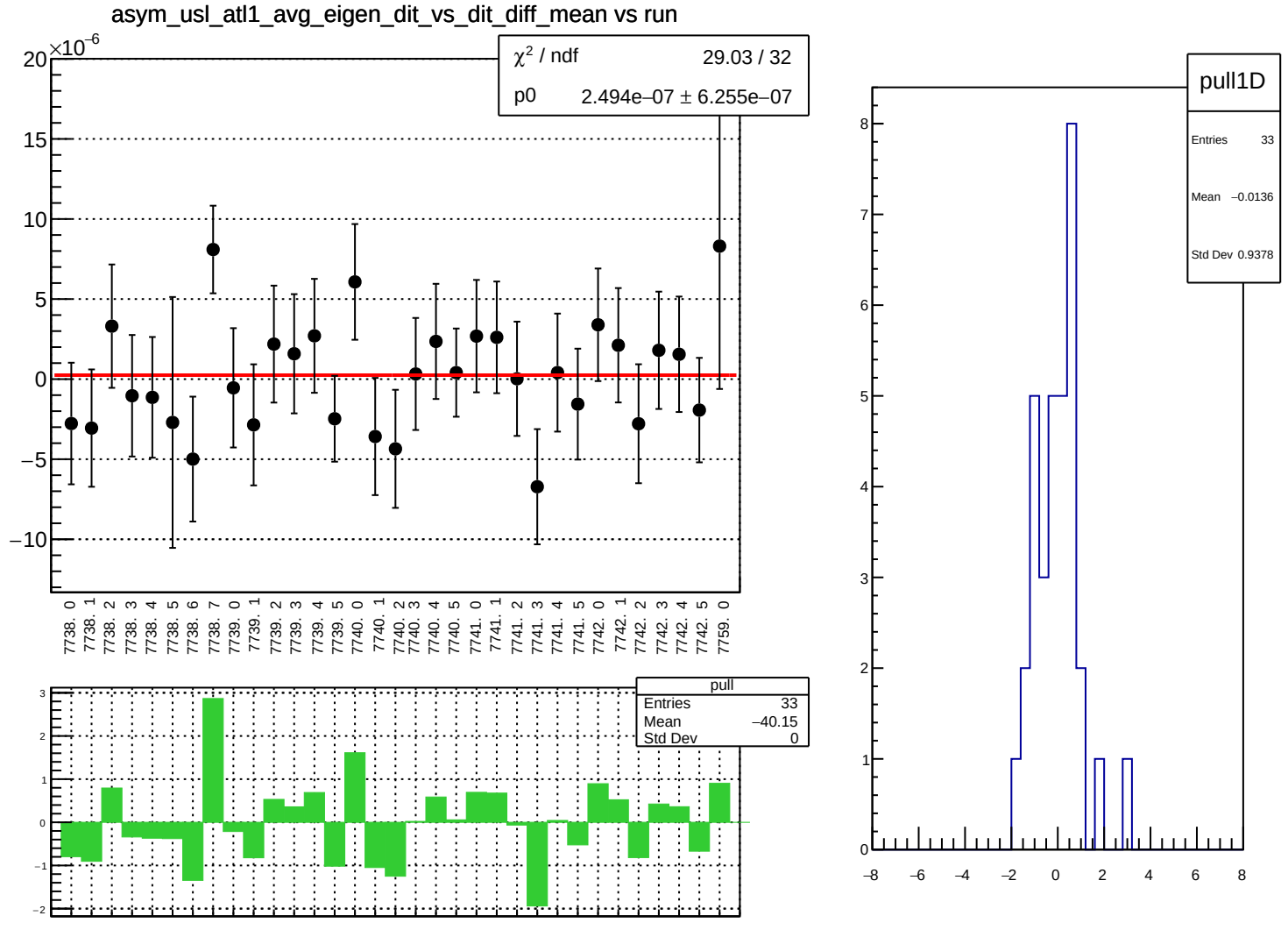

pull1D
Entries 33
Mean −0.03197
Std Dev 0.981

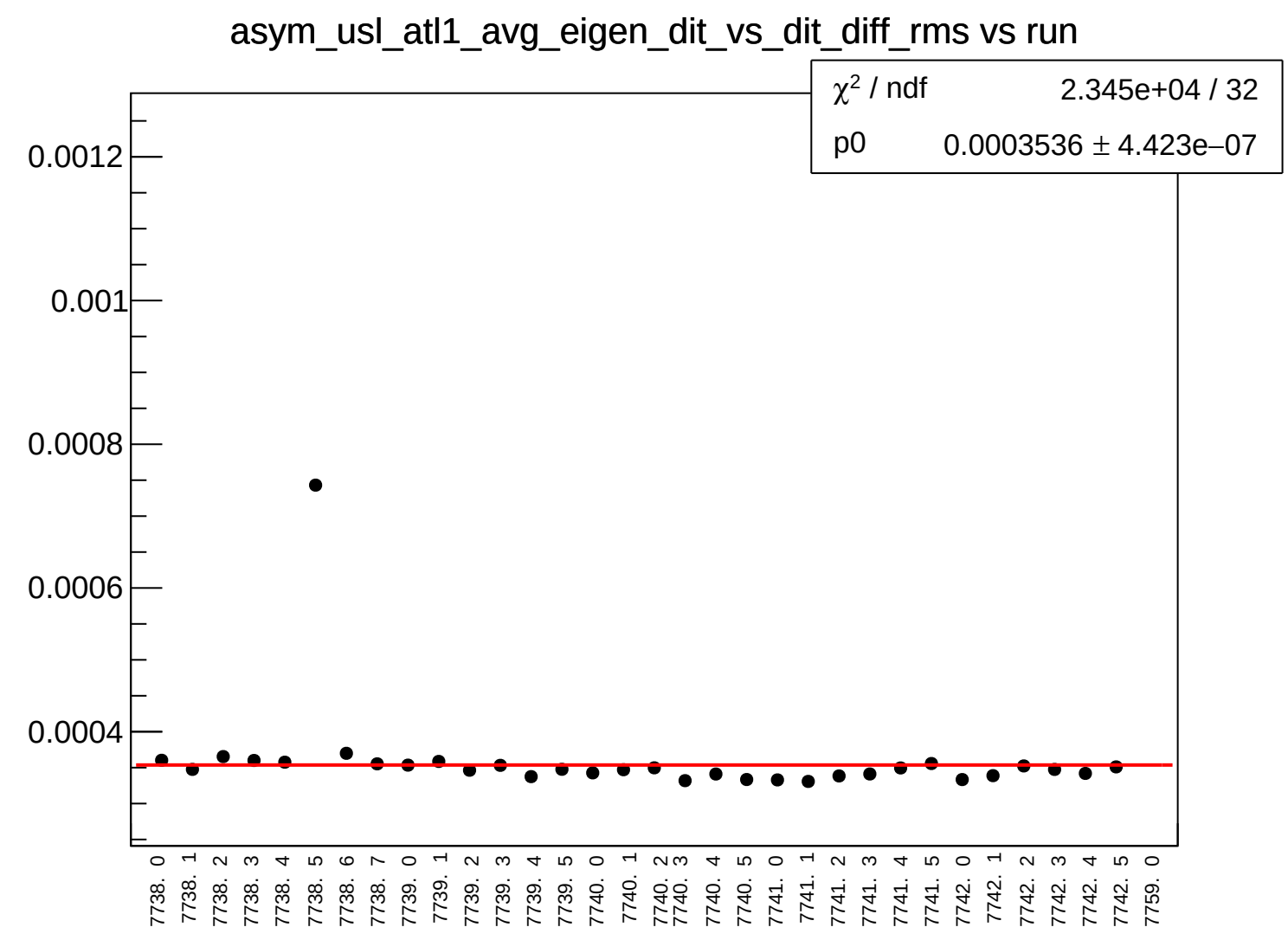

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.037e+05 / 32
p0 90.58 ± 0.1211
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

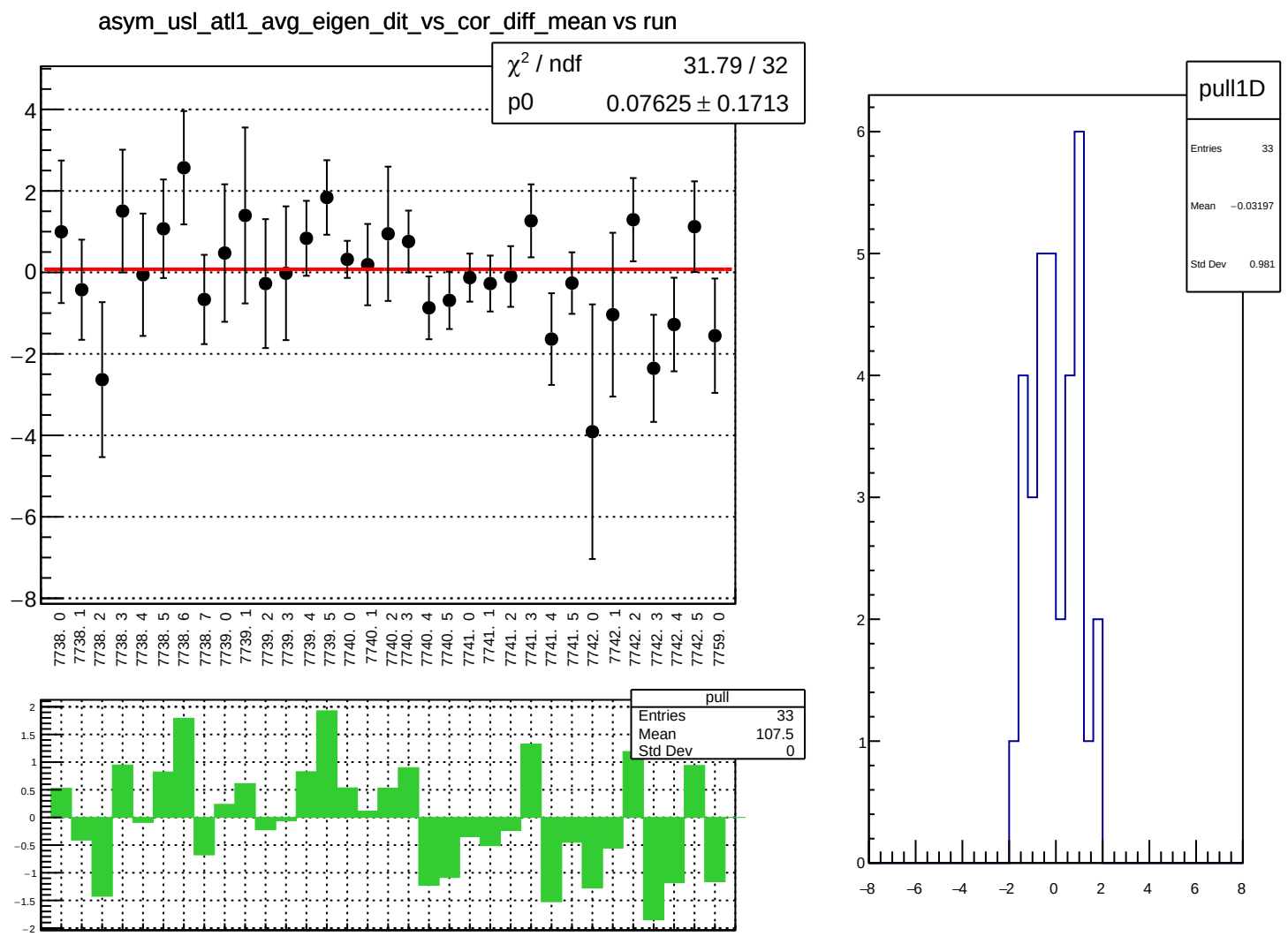

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.79 / 32
p0 0.07625 ± 0.1713
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

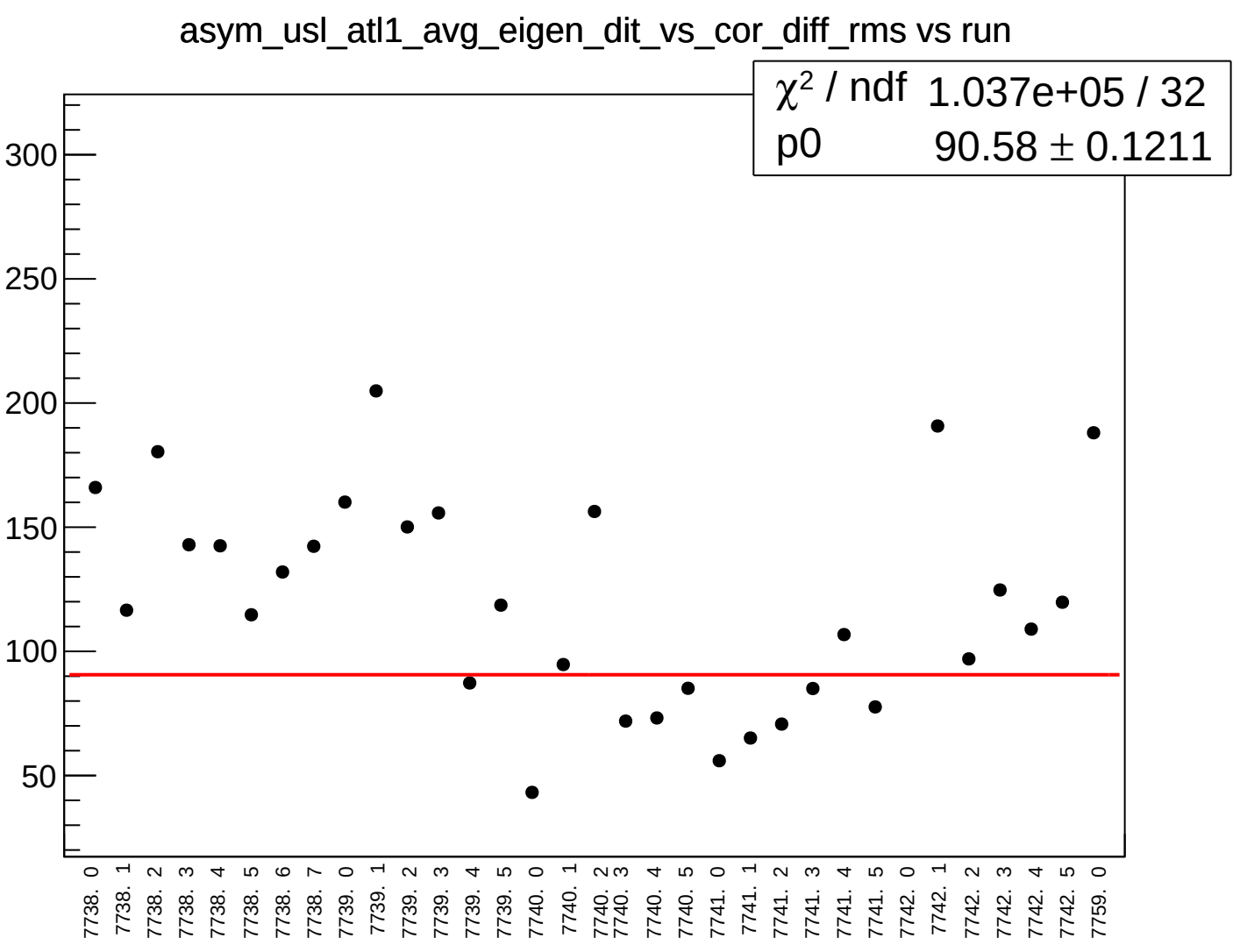

pull1D
Entries 33
Mean −0.03197
Std Dev 0.981
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

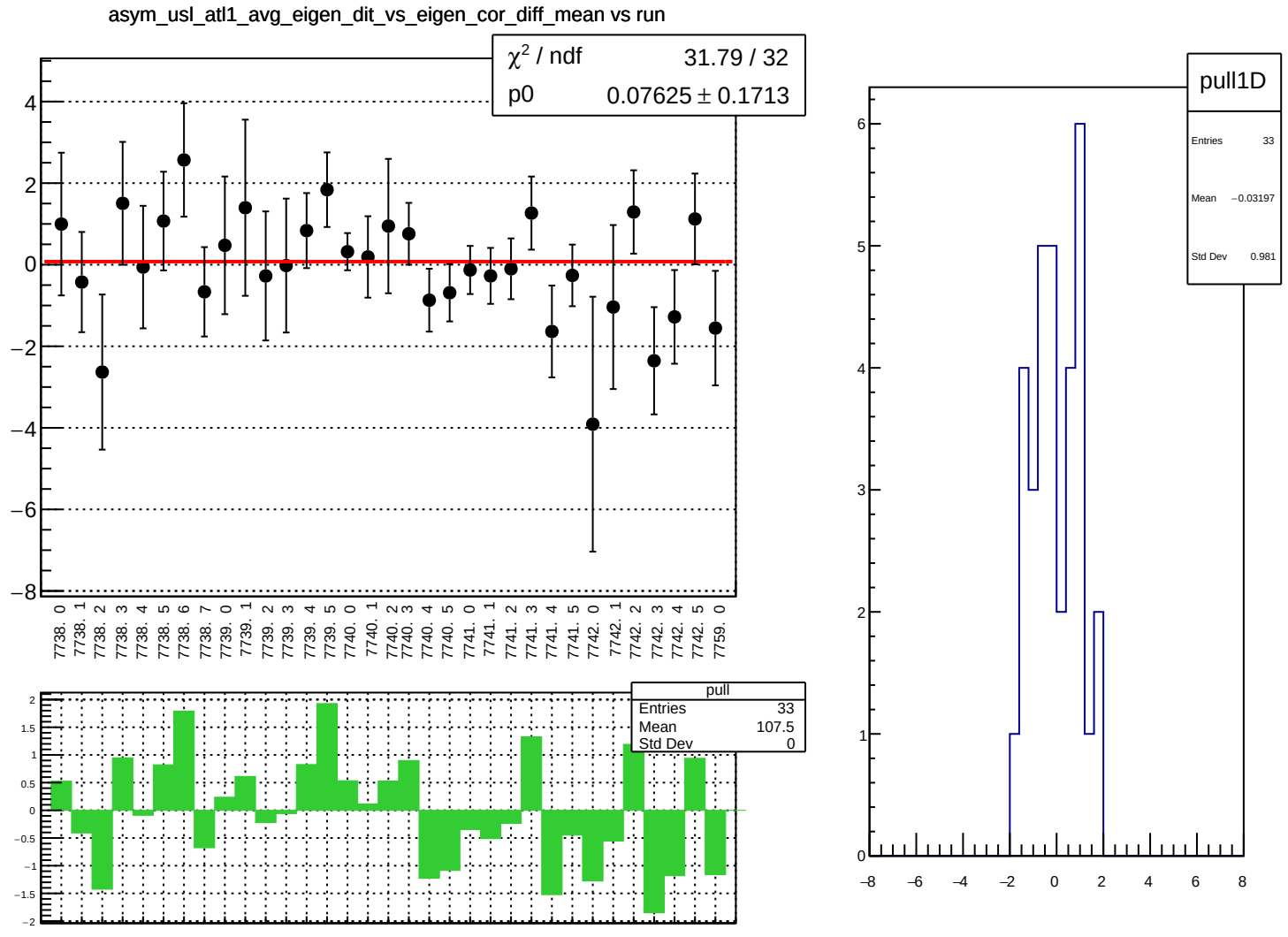

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.037e+05 / 32
p0 90.58 ± 0.1211
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

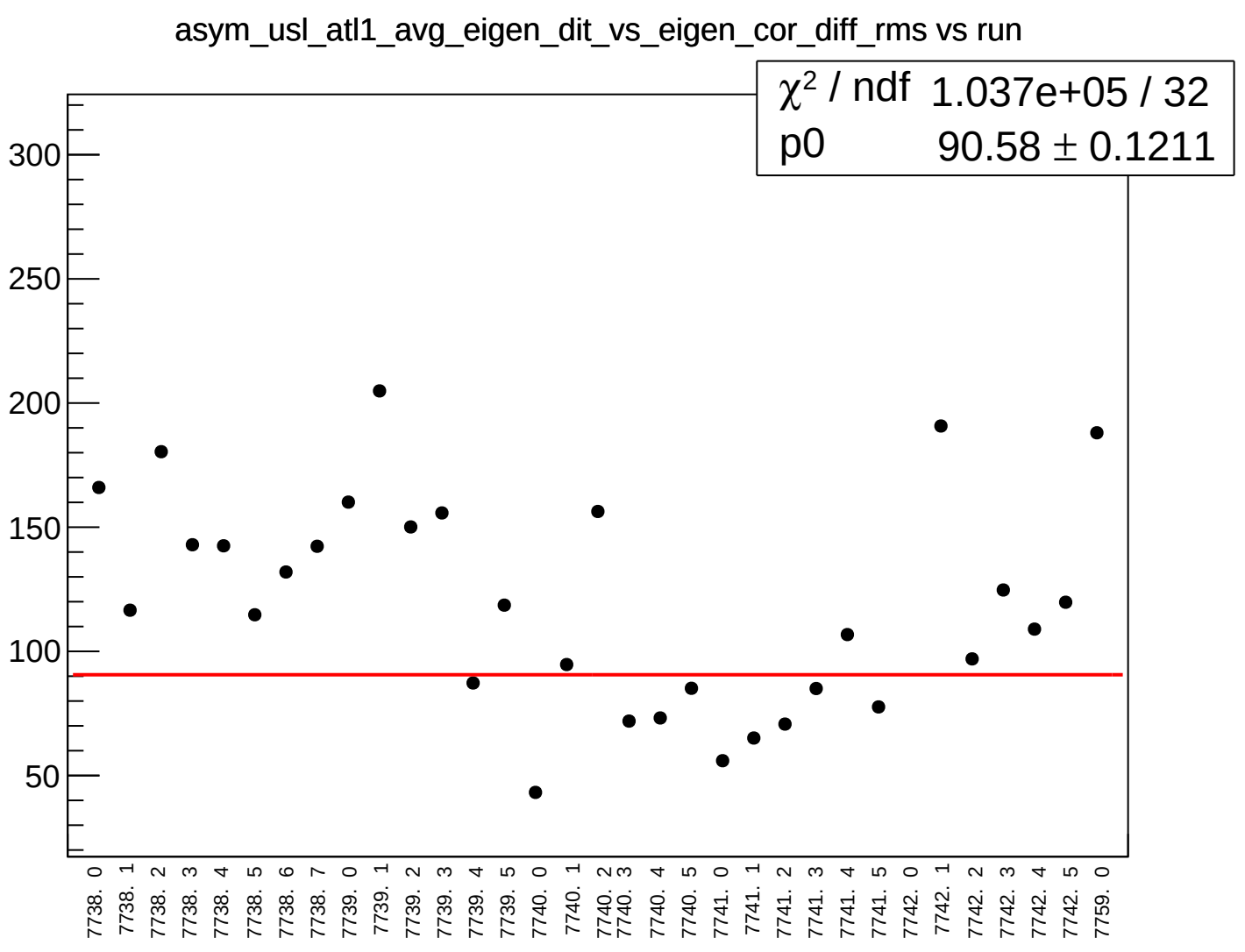

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 29.03 / 32
p0 2.494e−07 ± 6.255e−07
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.15
Std Dev 0
pull1D
Entries 33
Mean −0.0136
Std Dev 0.9378

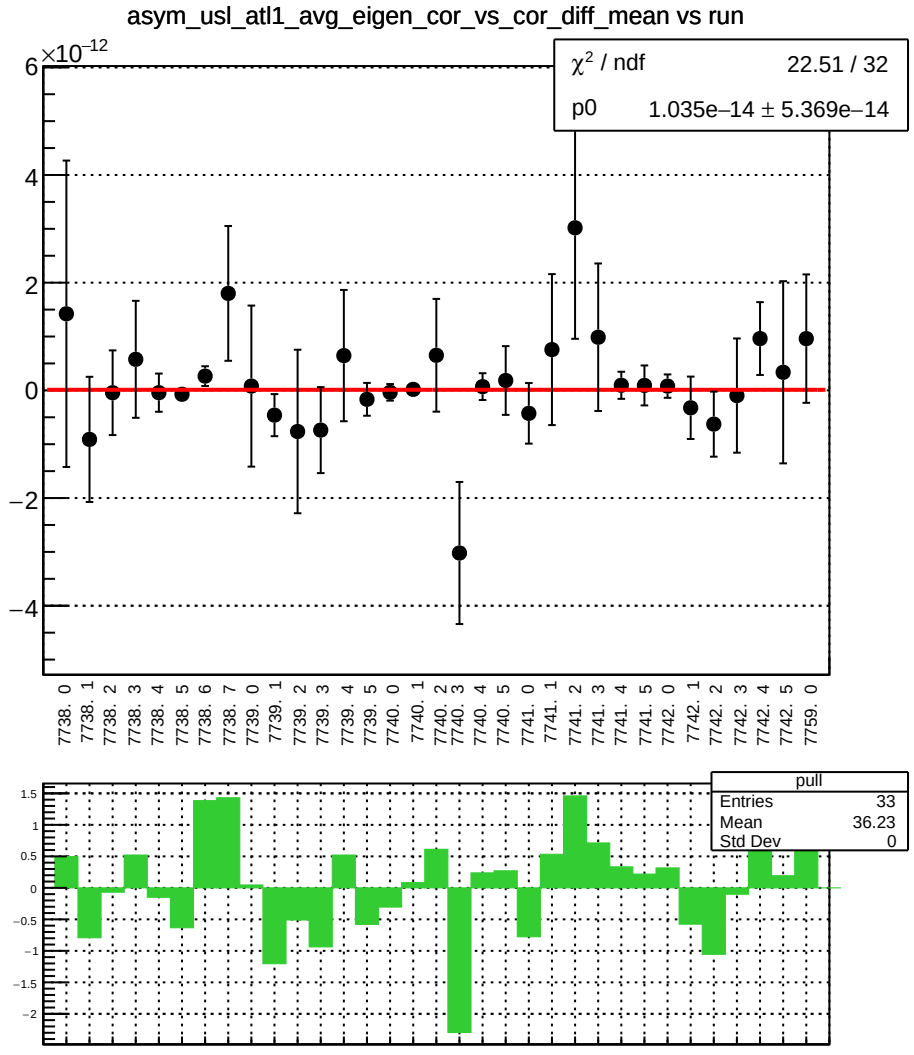

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.345e+04 / 32
p0 0.0003536 ± 4.423e−07
0.0012
0.001
0.0008
0.0006
0.0004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

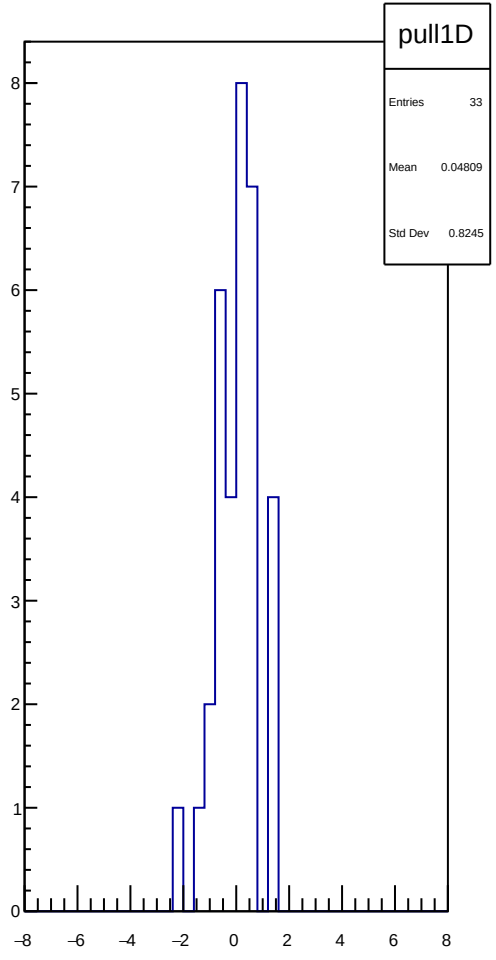

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.79 / 32
p0 0.07625 ± 0.1713
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.03197
Std Dev 0.981
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

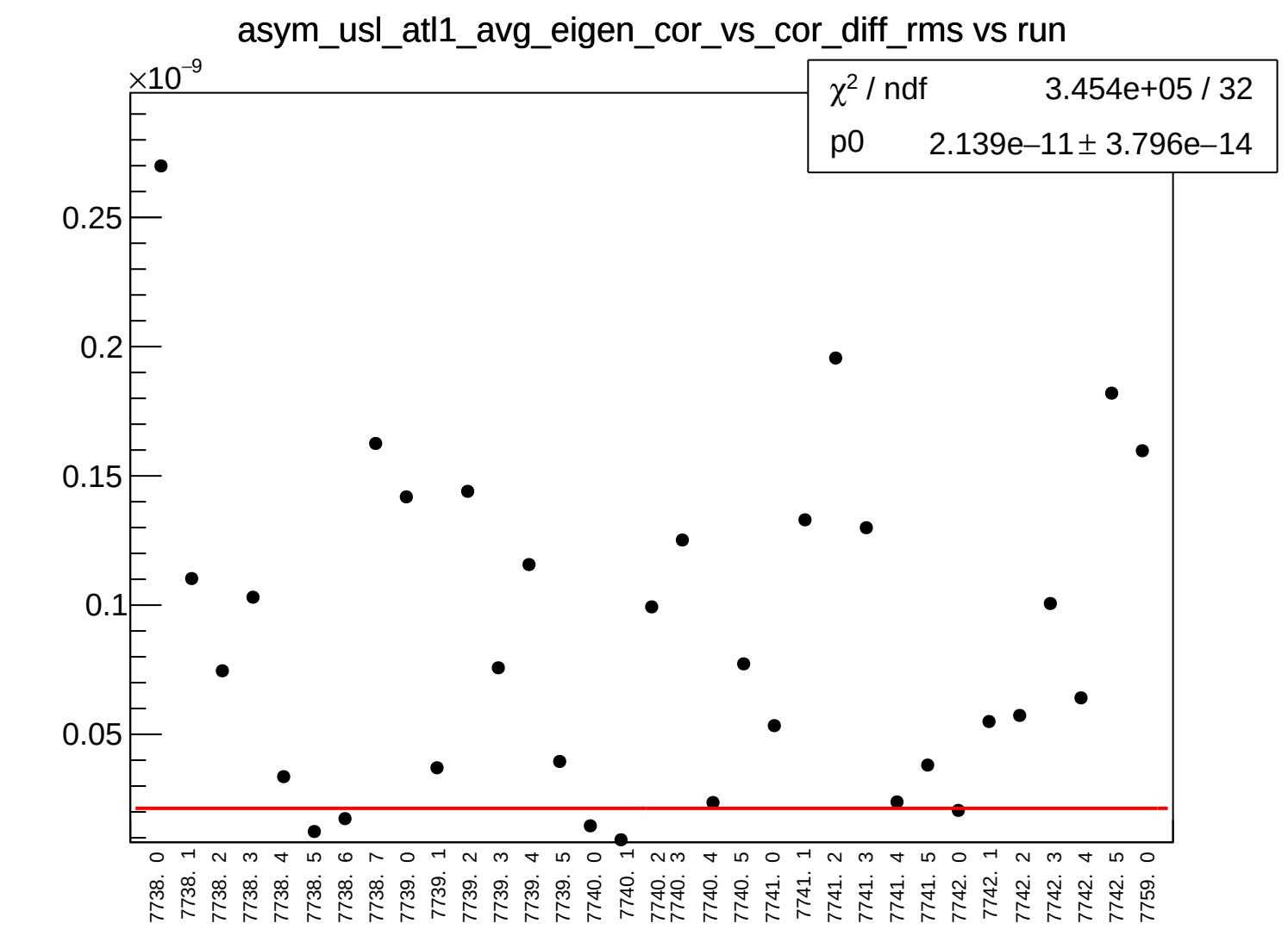

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.037e+05 / 32
p0 90.58 ± 0.1211
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

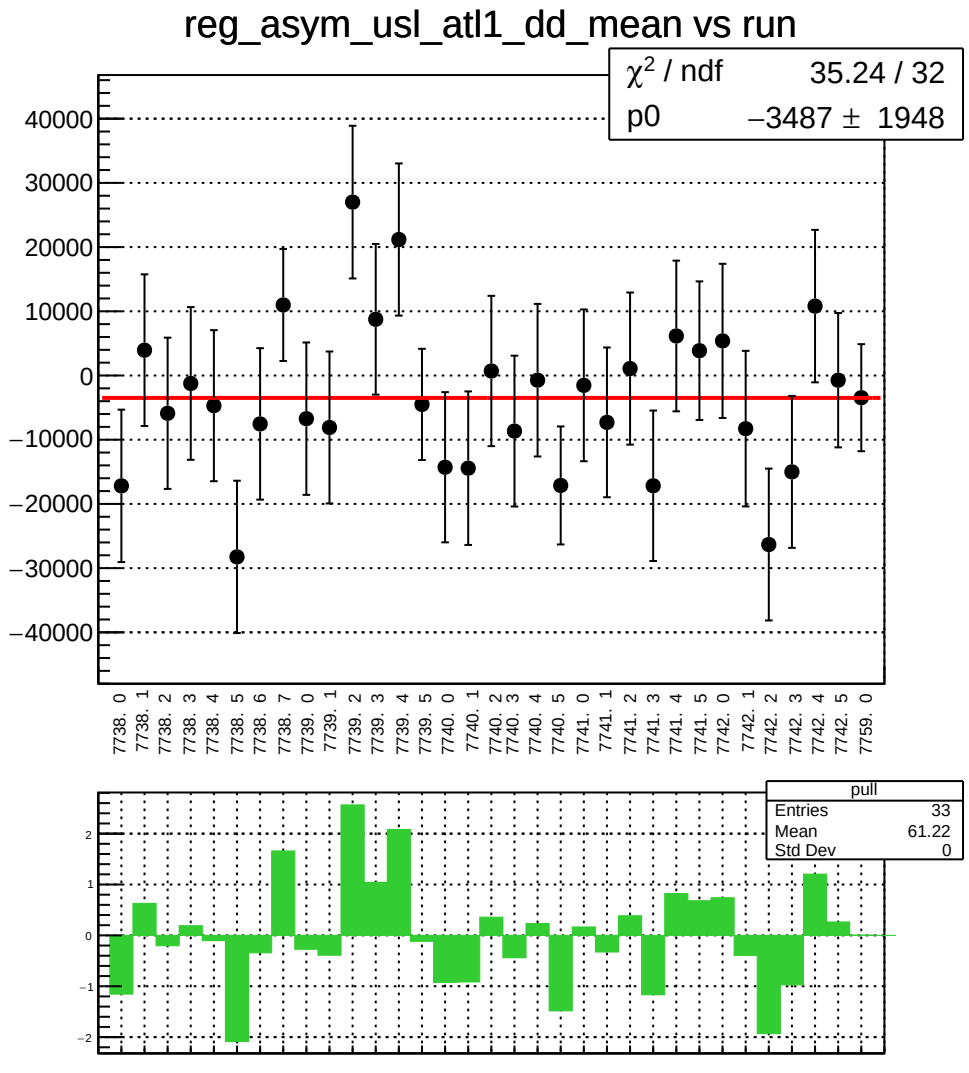

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.79 / 32
p0 0.07625 ± 0.1713
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.03197
Std Dev 0.981
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

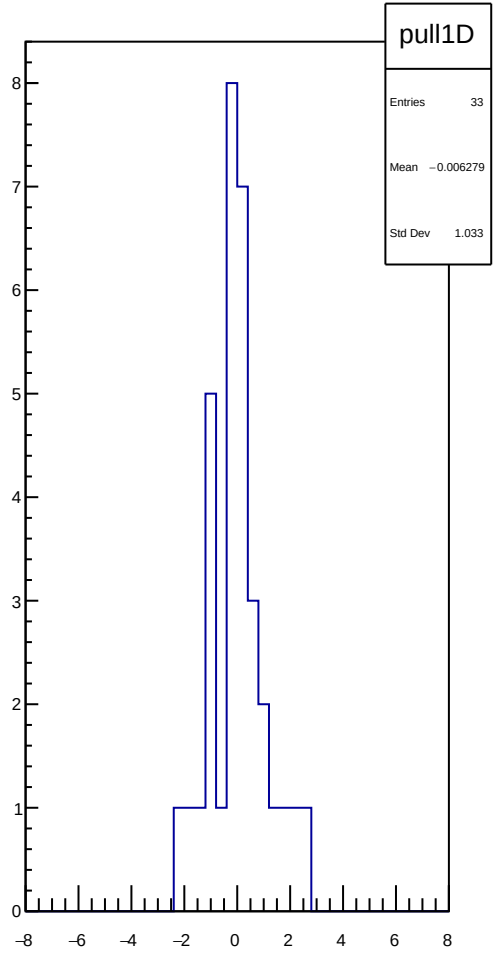

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.037e+05 / 32
p0 90.58 ± 0.1211
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

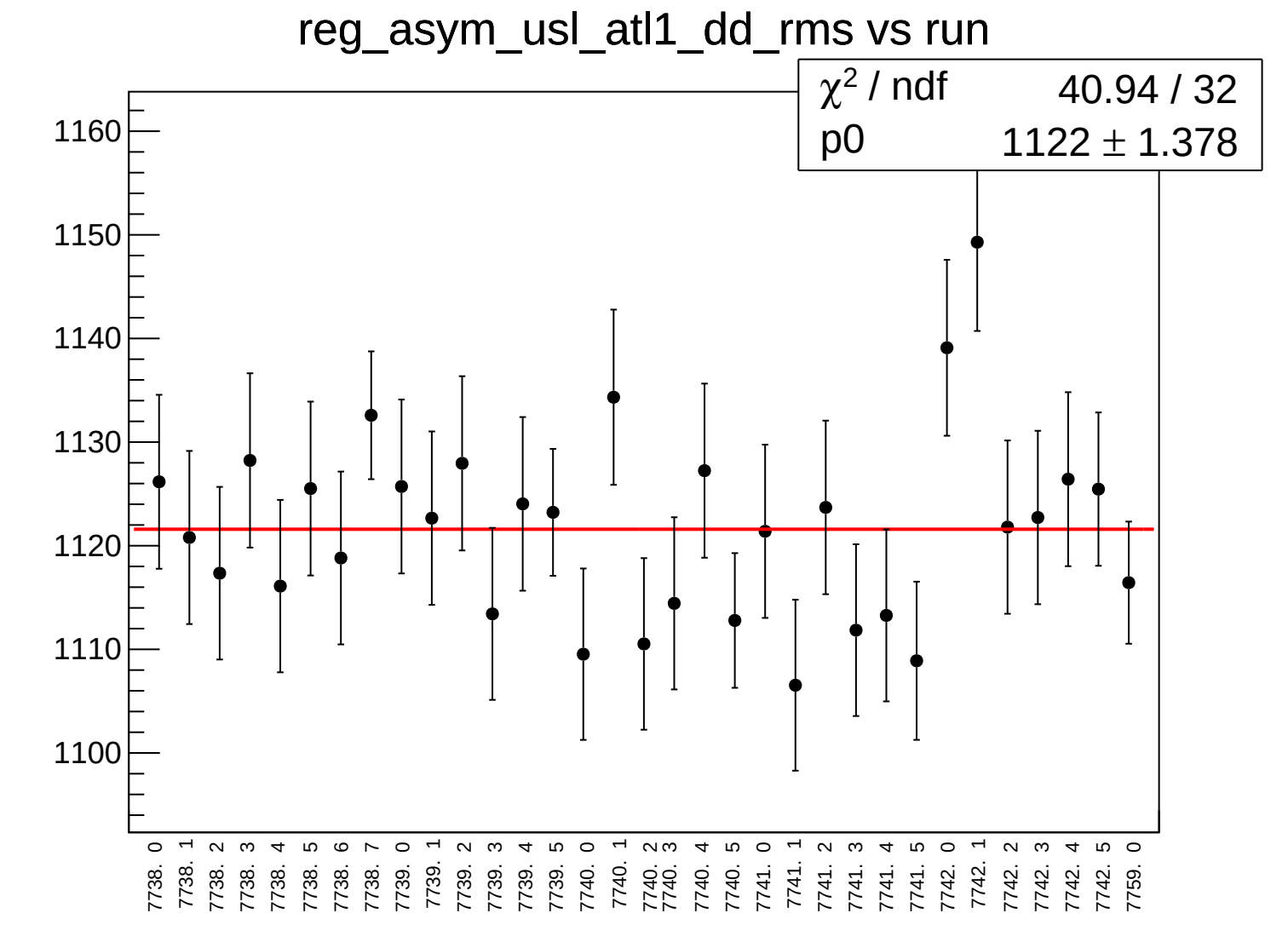

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 22.51 / 32
p0 1.035e−14 ± 5.369e−14
pull
Entries 33
Mean 36.23
Std Dev 0

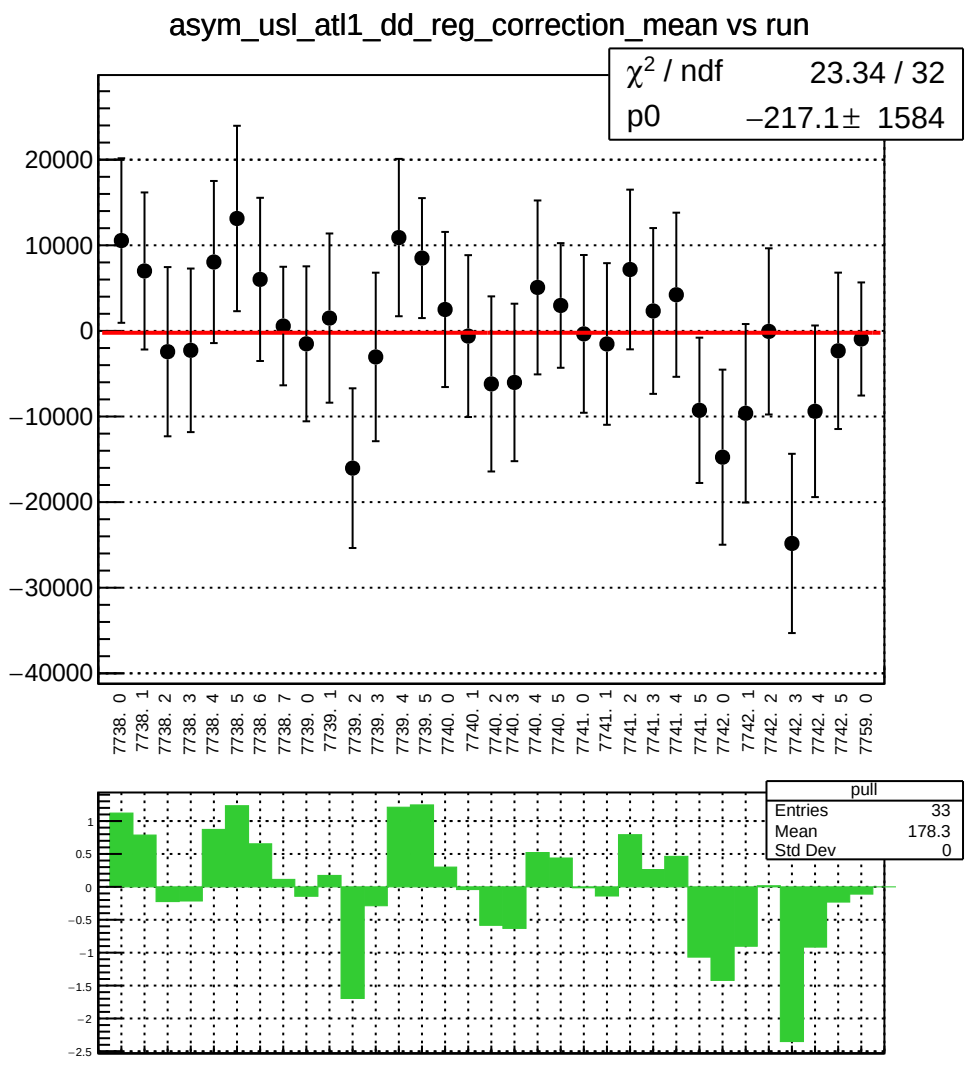

pull1D
Entries 33
Mean 0.04809
Std Dev 0.8245

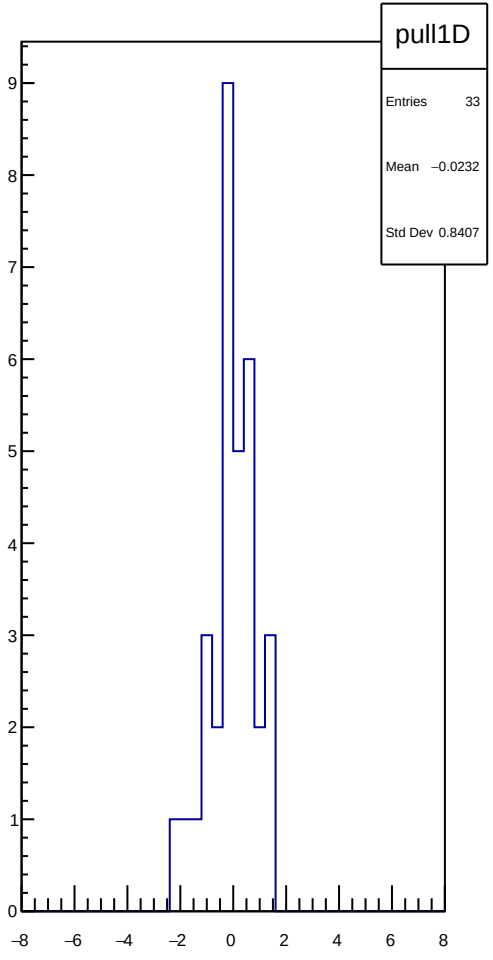

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.454e+05 / 32
p0 2.139e−11 ± 3.796e−14
0.25
0.2
0.15
0.1
0.05
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

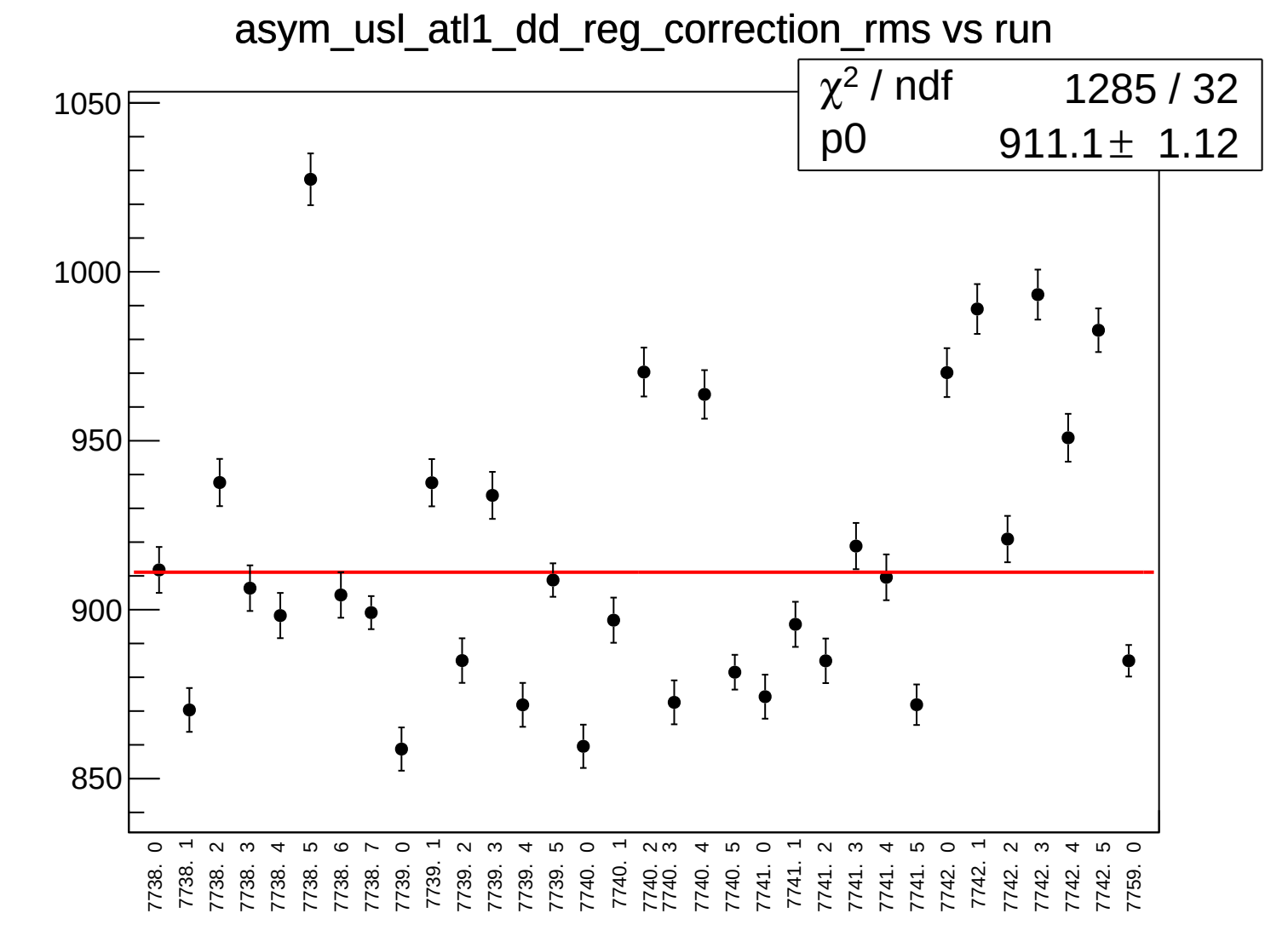

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 35.24 / 32
p0 −3487 ± 1948
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 61.22
Std Dev 0
2
1
0
−1
−2

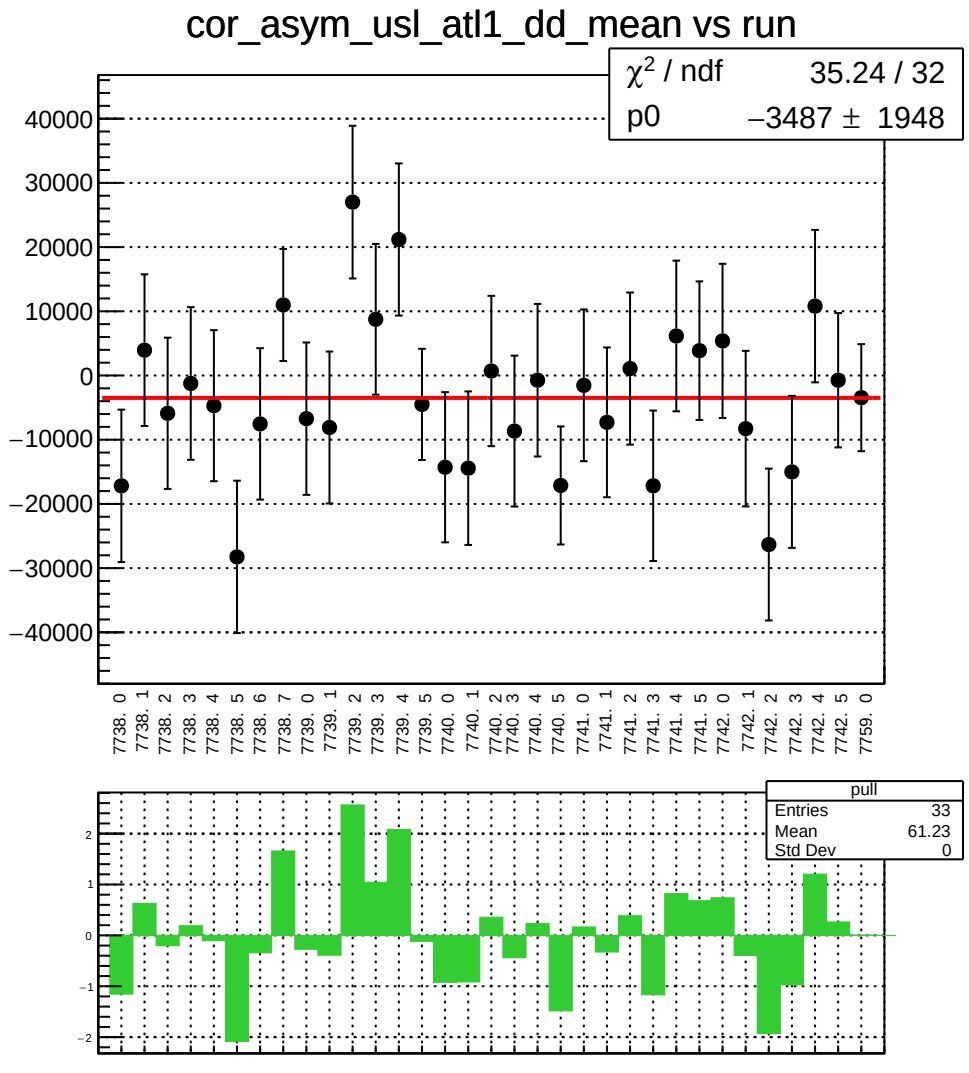

pull1D
Entries 33
Mean −0.006279
Std Dev 1.033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

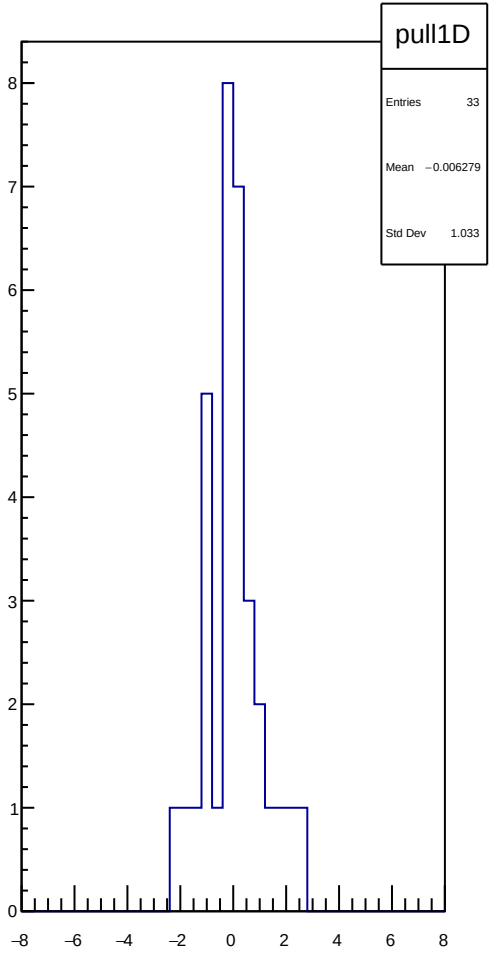

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 40.94 / 32
p0 1122 ± 1.378
1160
1150
1140
1130
1120
1110
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

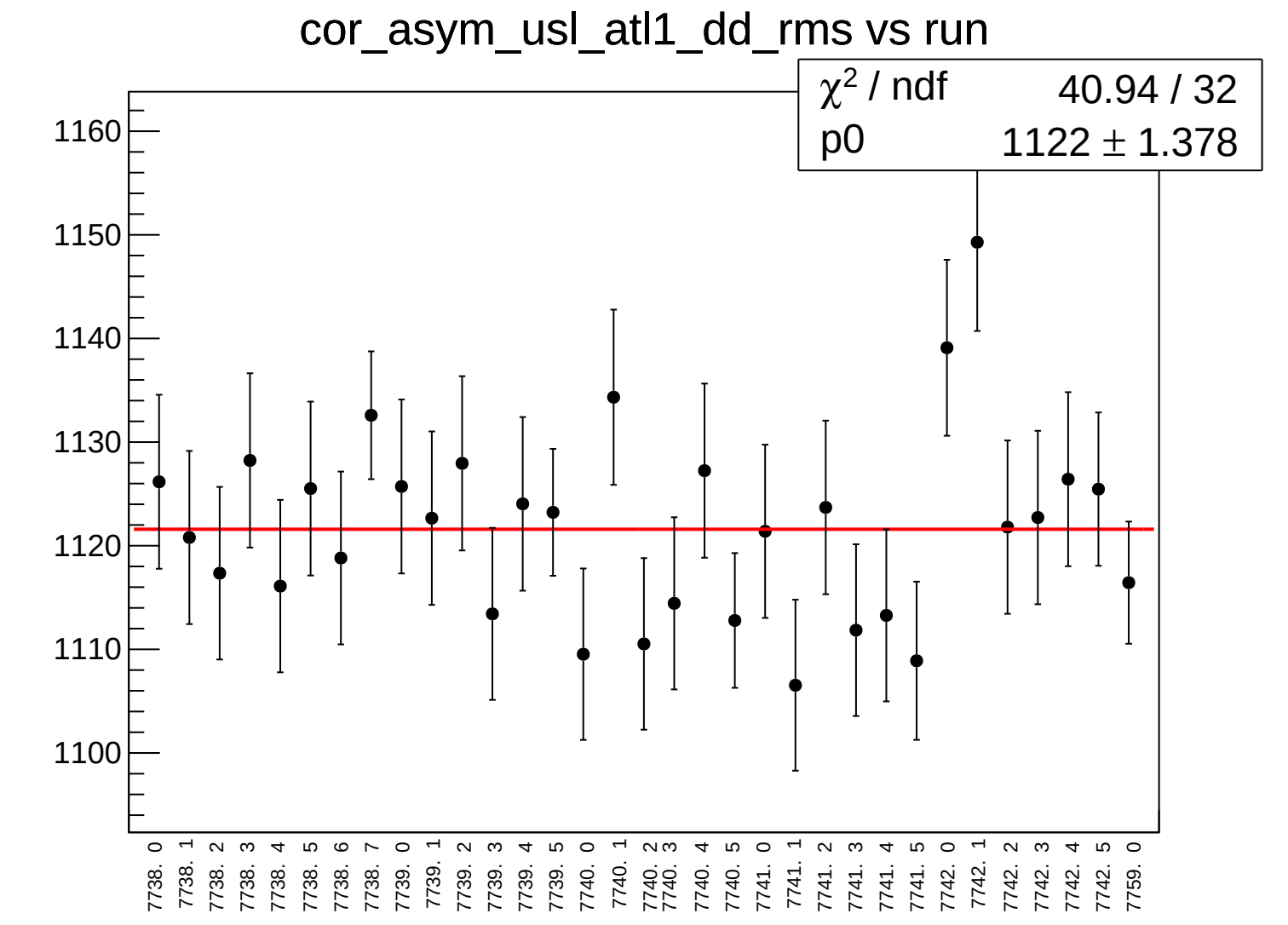

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 23.34 / 32
p0 −217.1± 1584
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 178.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

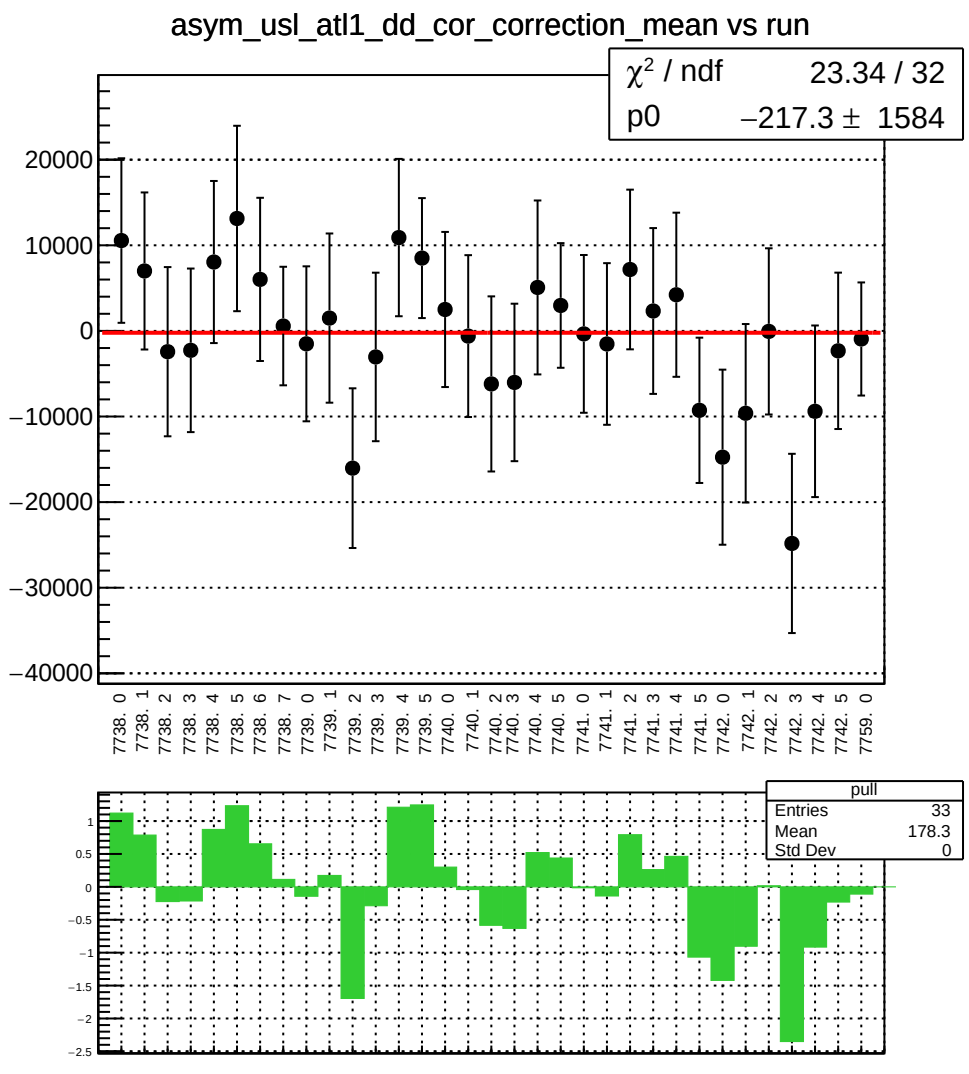

pull1D
Entries 33
Mean −0.0232
Std Dev 0.8407
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

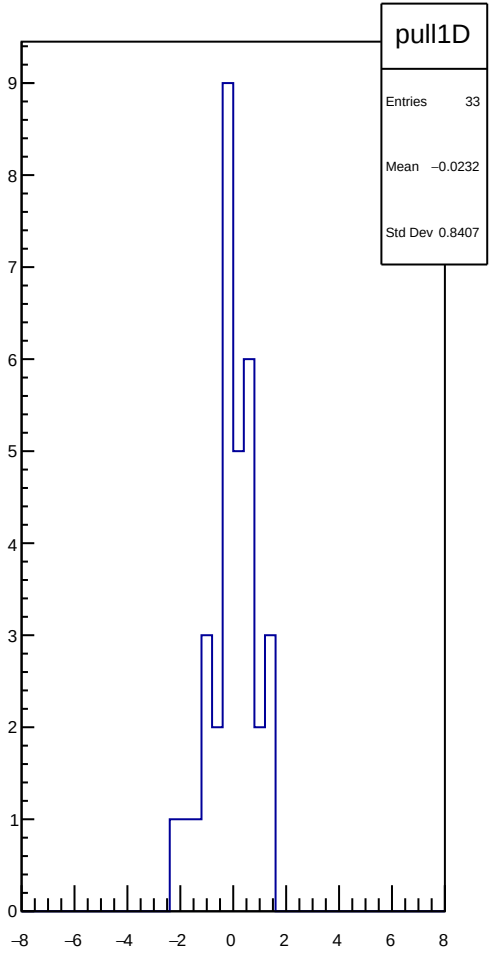

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 1285 / 32
p0 911.1 ± 1.12
1050
1000
950
900
850
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

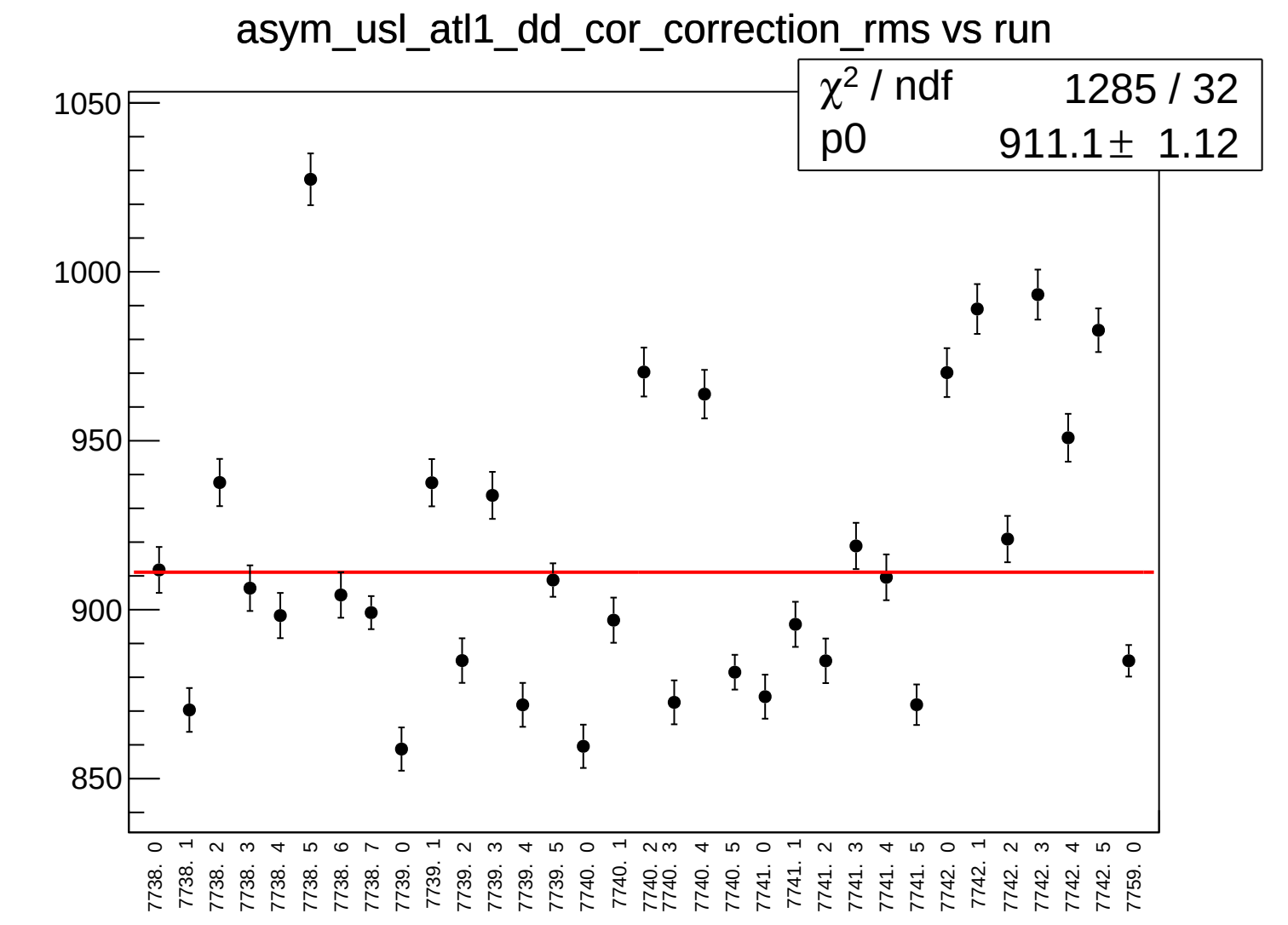

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 35.24 / 32
p0 −3487 ± 1948
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 61.23
Std Dev 0
2
1
0
−1
−2

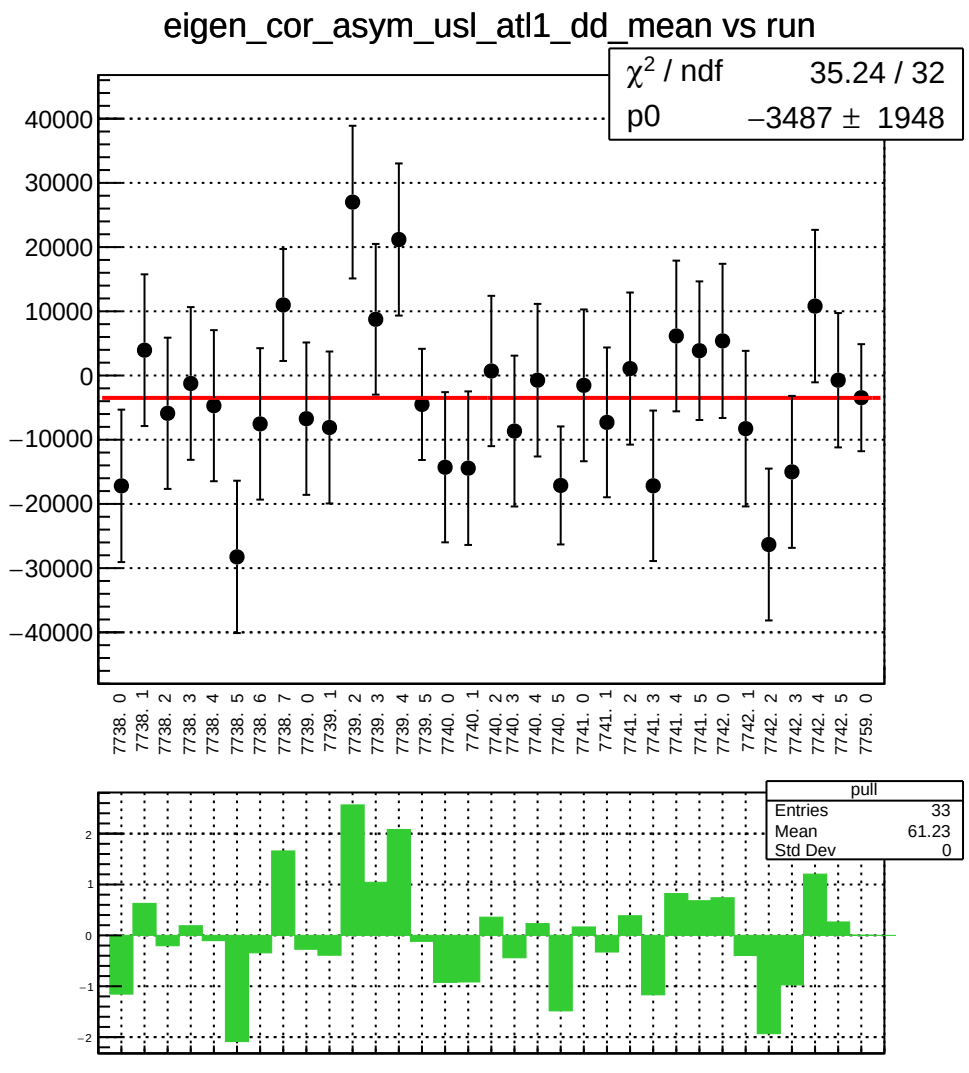

pull1D
Entries 33
Mean −0.006279
Std Dev 1.033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

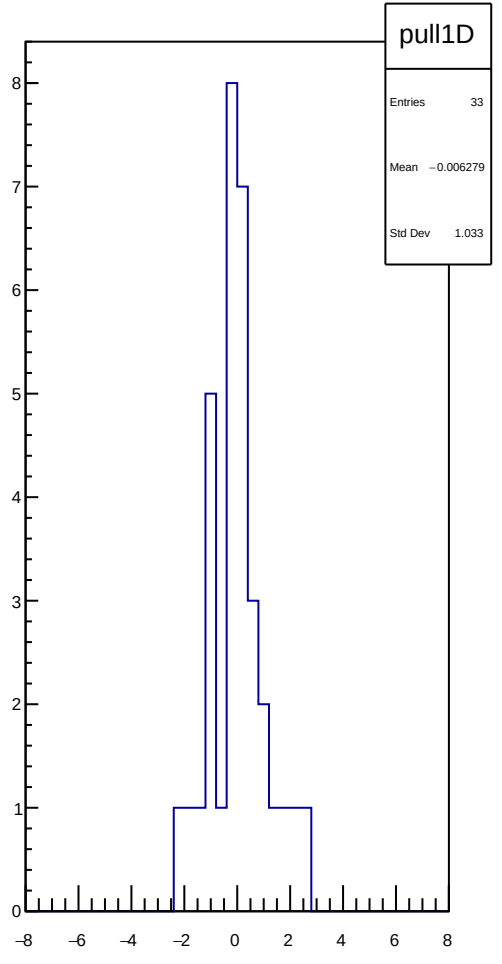

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 40.94 / 32
p0 1122 ± 1.378
1160
1150
1140
1130
1120
1110
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

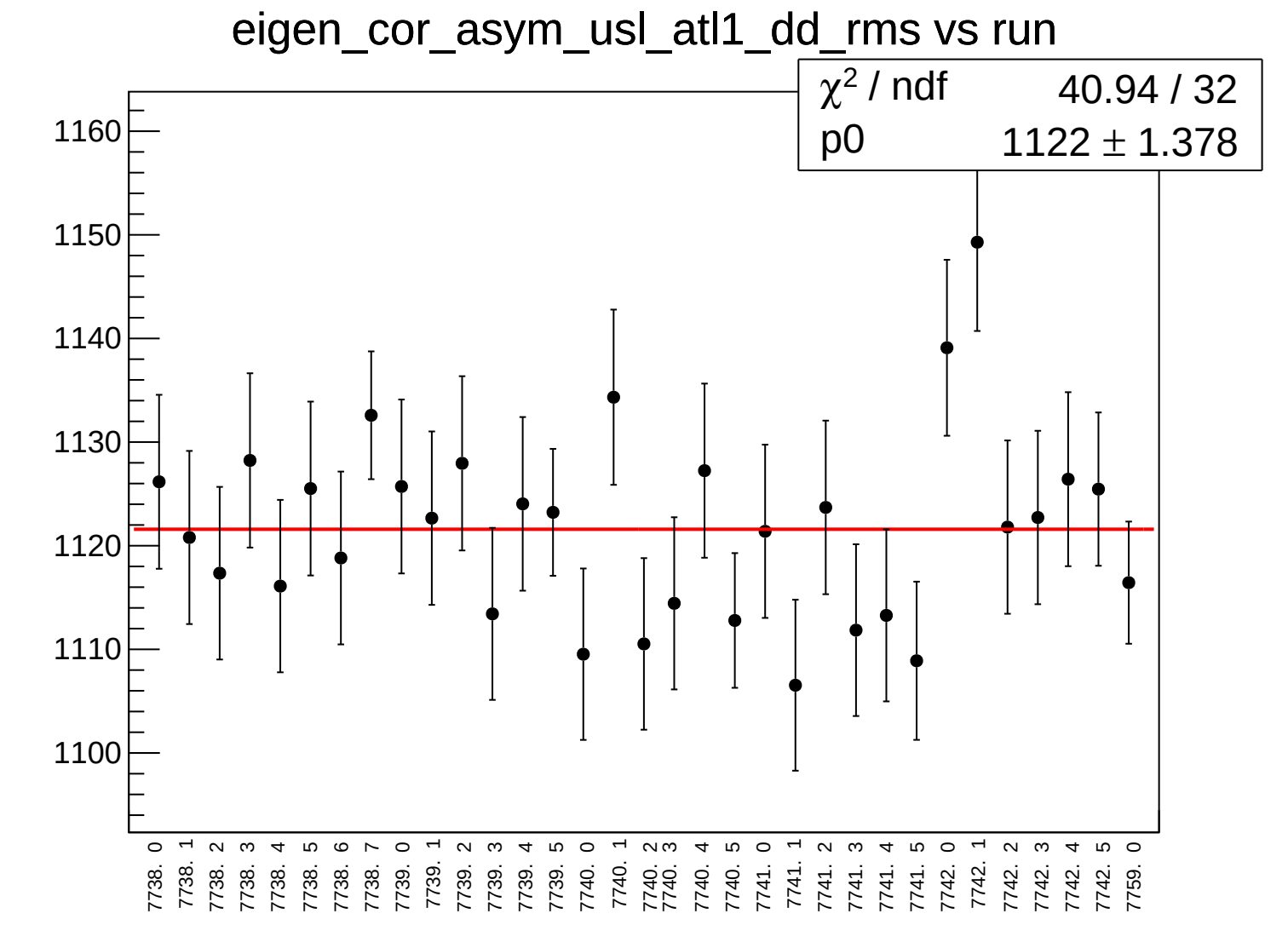

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 23.34 / 32
p0 −217.3 ± 1584
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 178.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

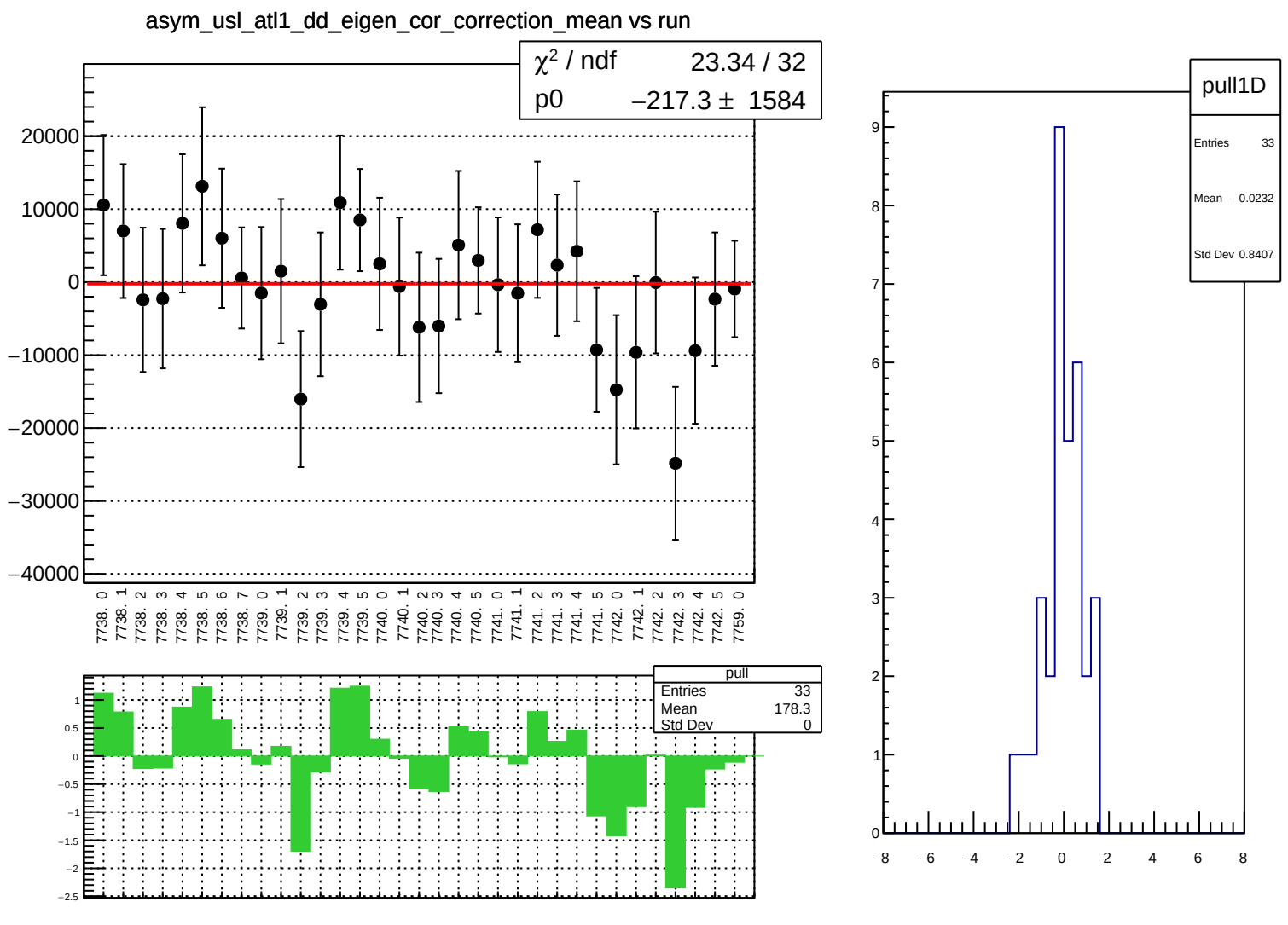

pull1D
Entries 33
Mean −0.0232
Std Dev 0.8407
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

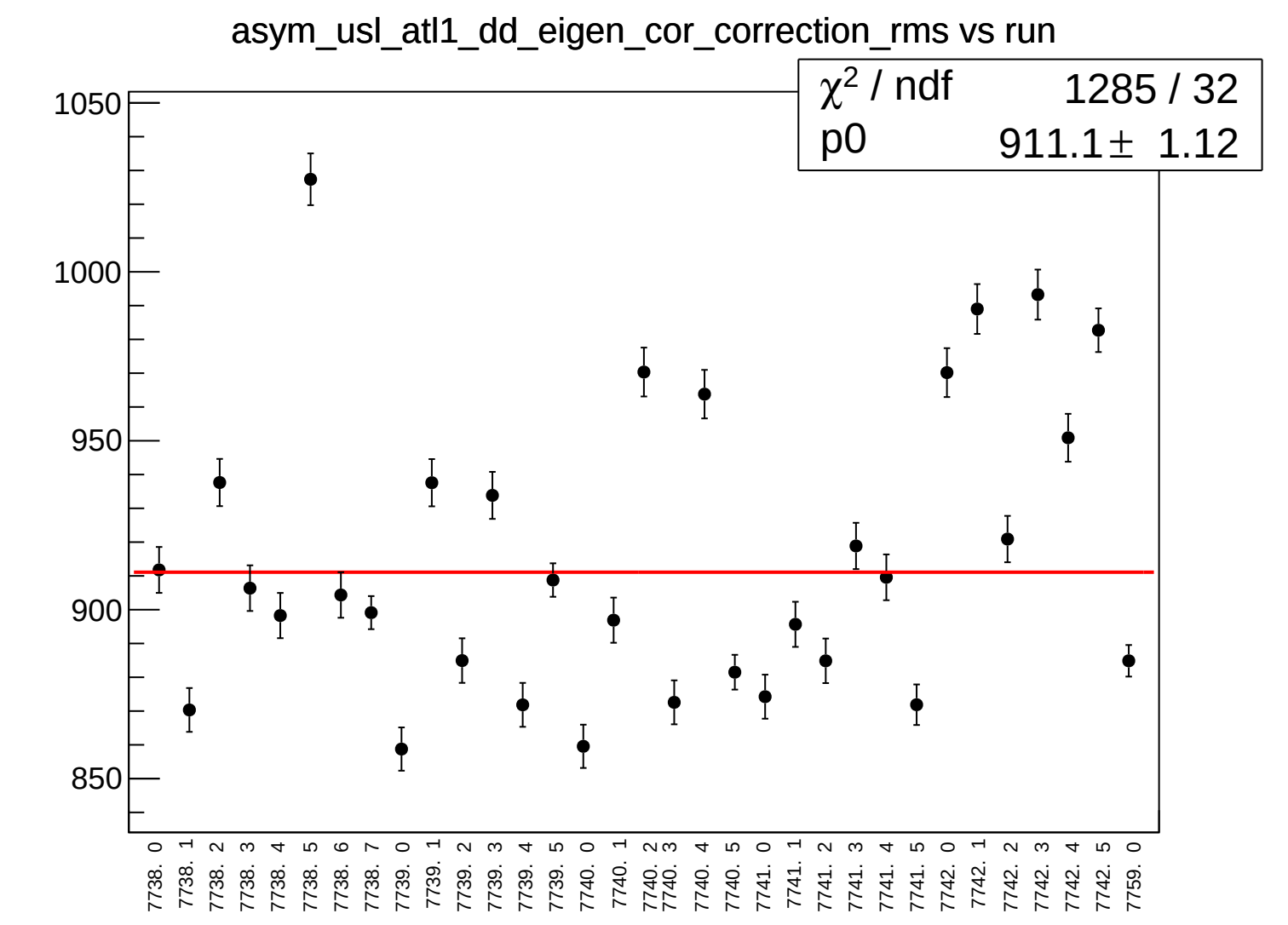

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 1285 / 32
p0 911.1 ± 1.12
1050
1000
950
900
850
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

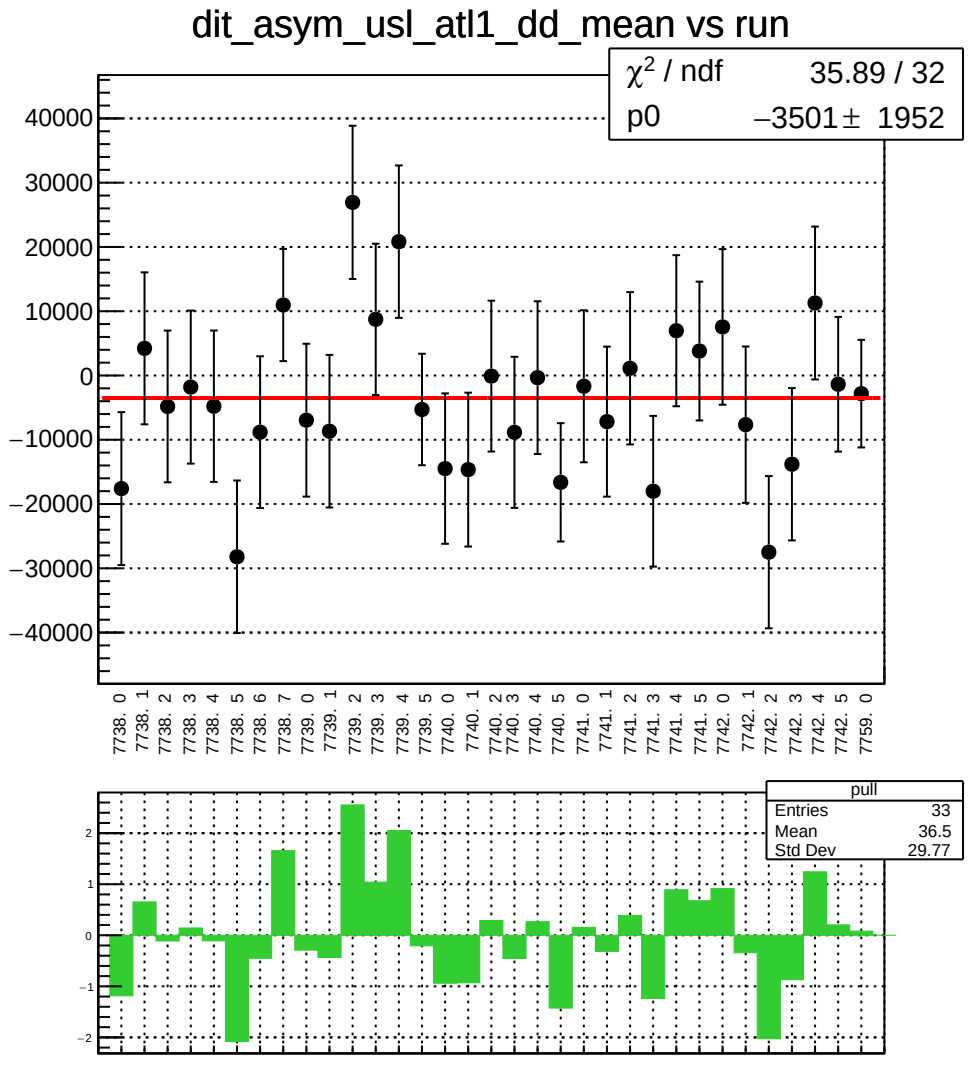

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 35.24 / 32
p0 −3487 ± 1948
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 61.23
Std Dev 0
2
1
0
−1
−2

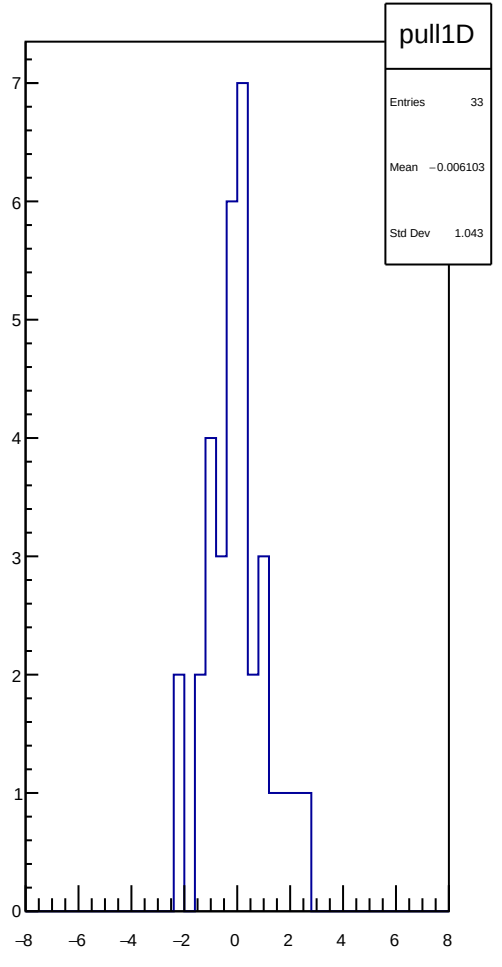

pull1D
Entries 33
Mean −0.006279
Std Dev 1.033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

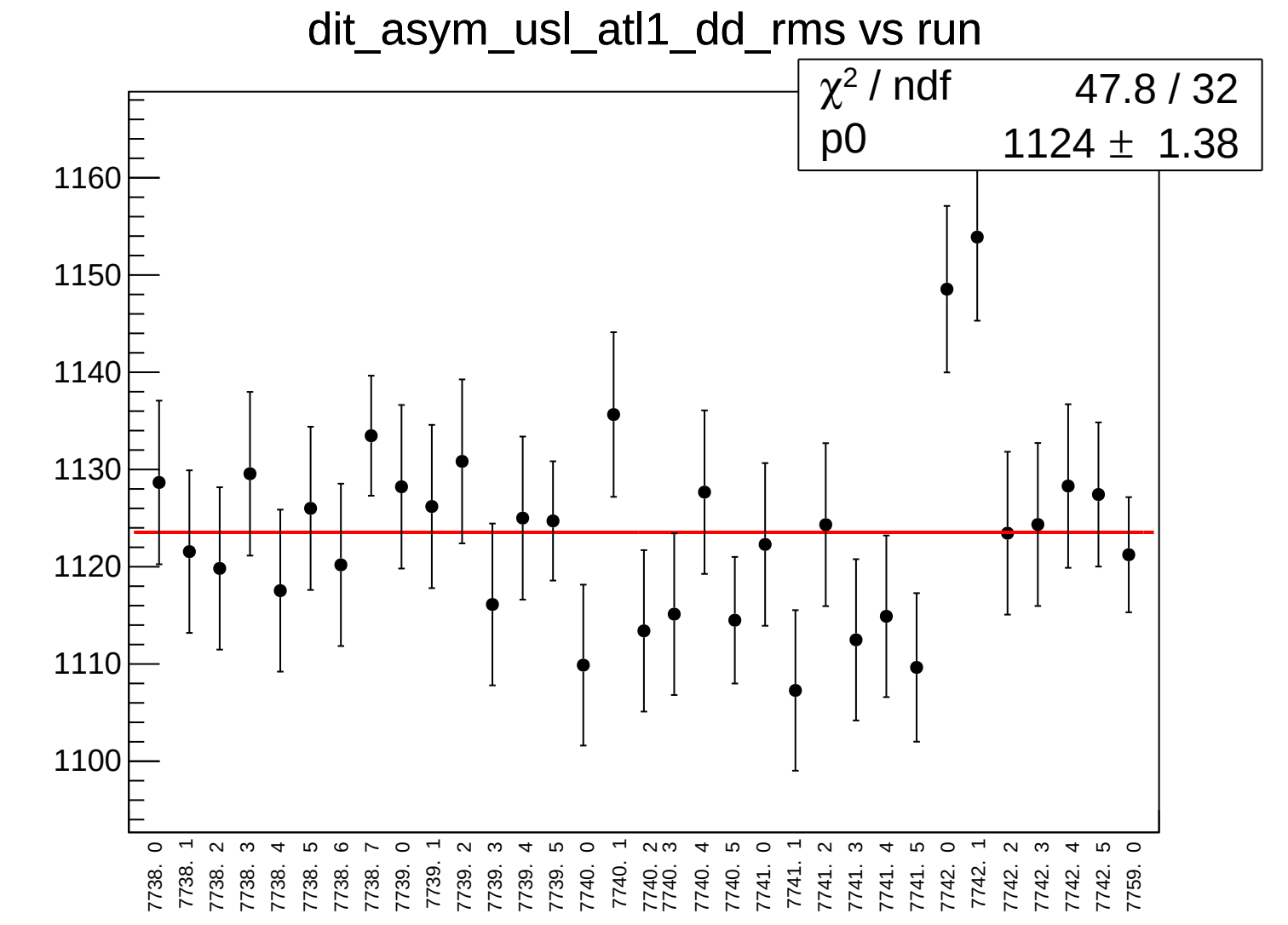

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 40.94 / 32
p0 1122 ± 1.378
1160
1150
1140
1130
1120
1110
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

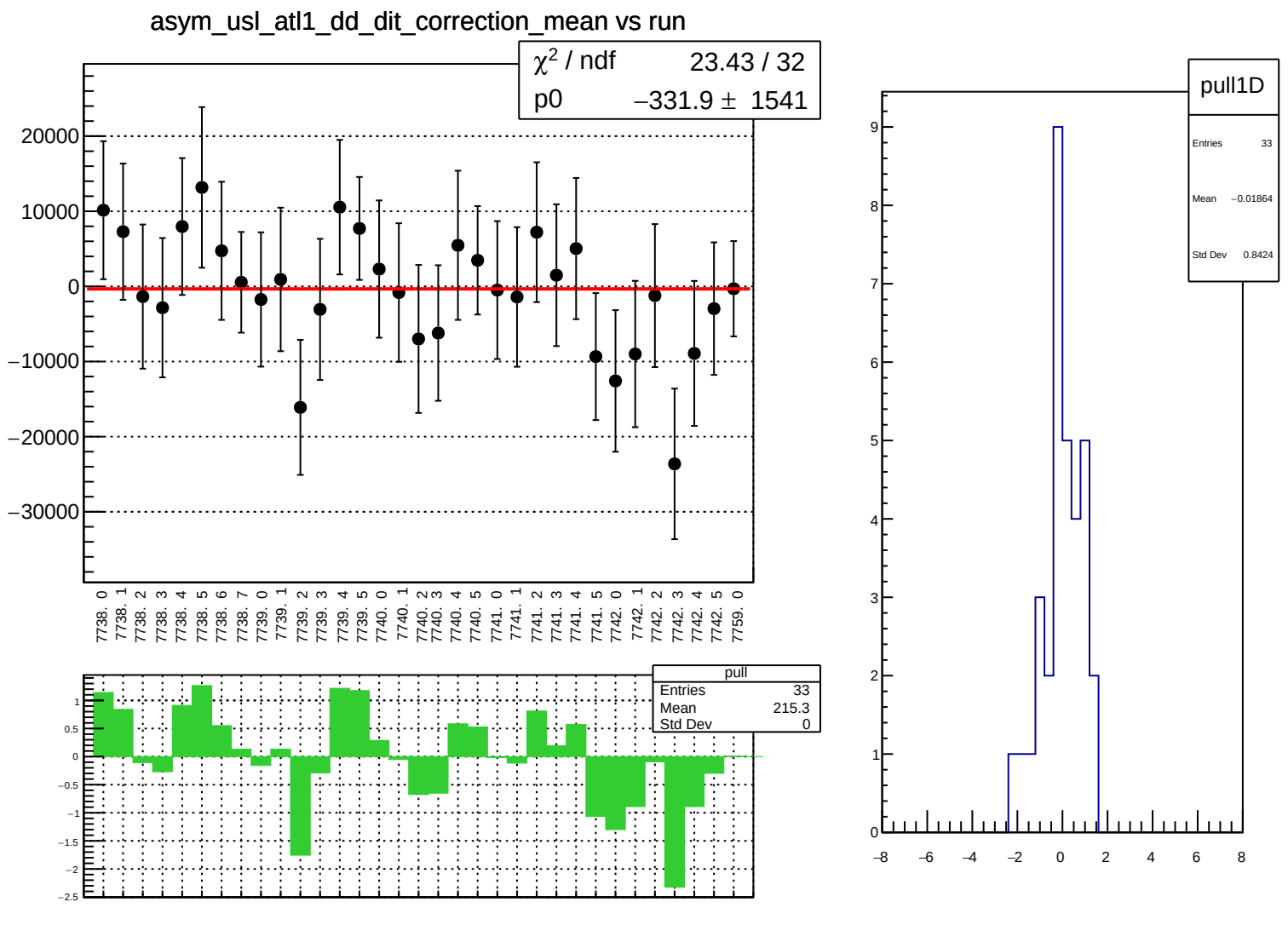

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 23.34 / 32
p0 −217.3 ± 1584
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 178.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.0232
Std Dev 0.8407
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

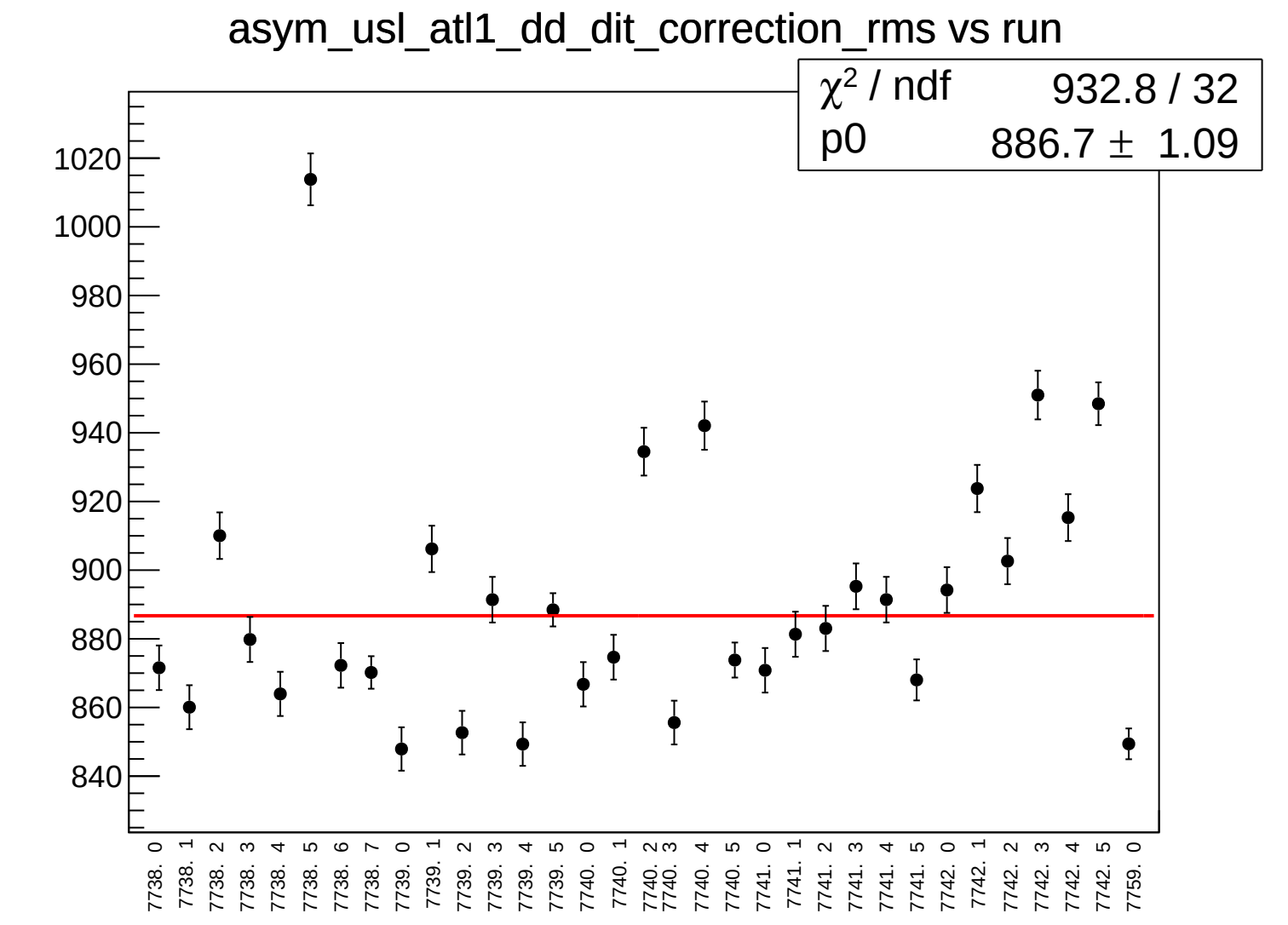

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1285 / 32
p0 911.1 ± 1.12
1050
1000
950
900
850
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

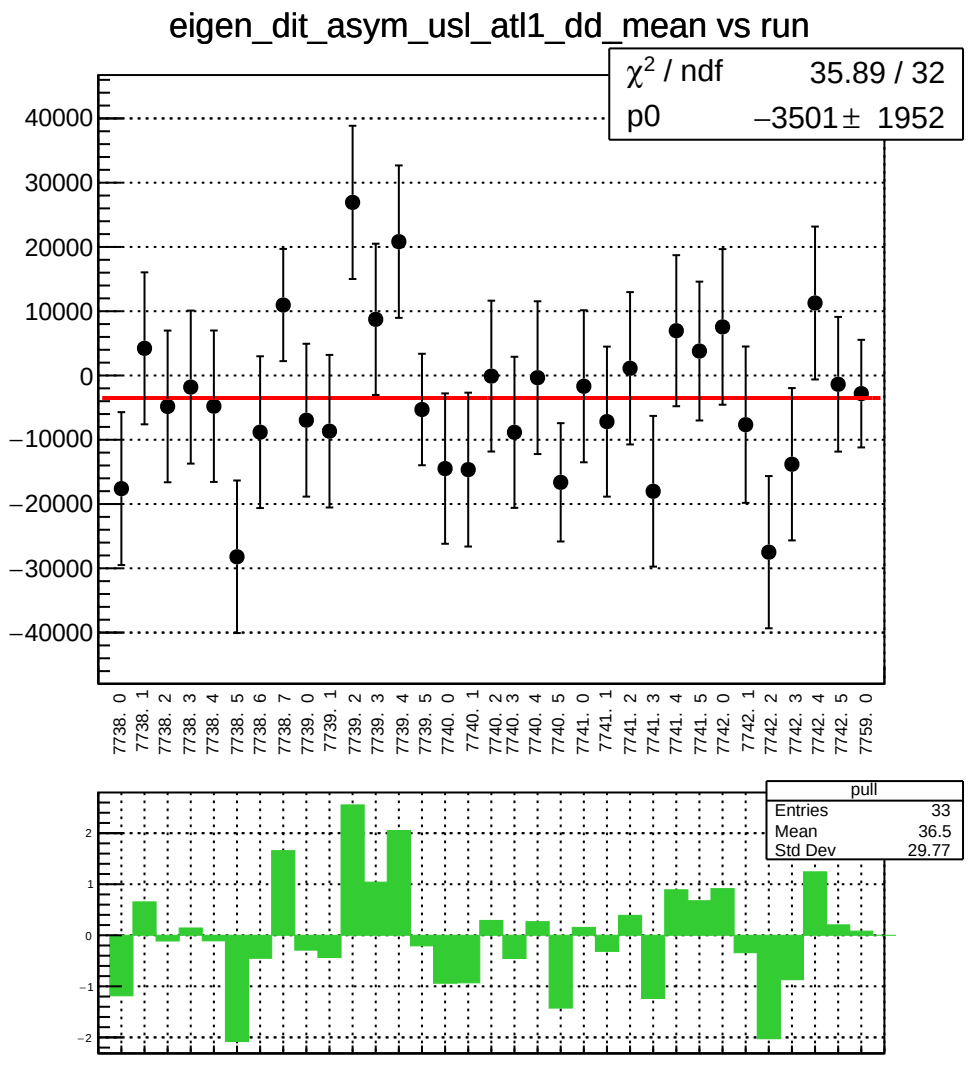

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 35.89 / 32
p0 −3501 ± 1952
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 36.5
Std Dev 29.77
2
1
0
−1
−2

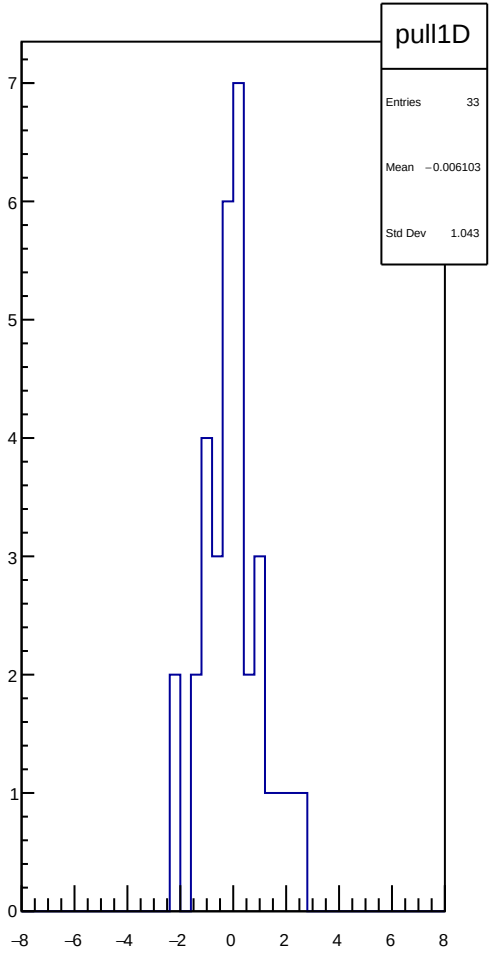

pull1D
Entries 33
Mean −0.006103
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

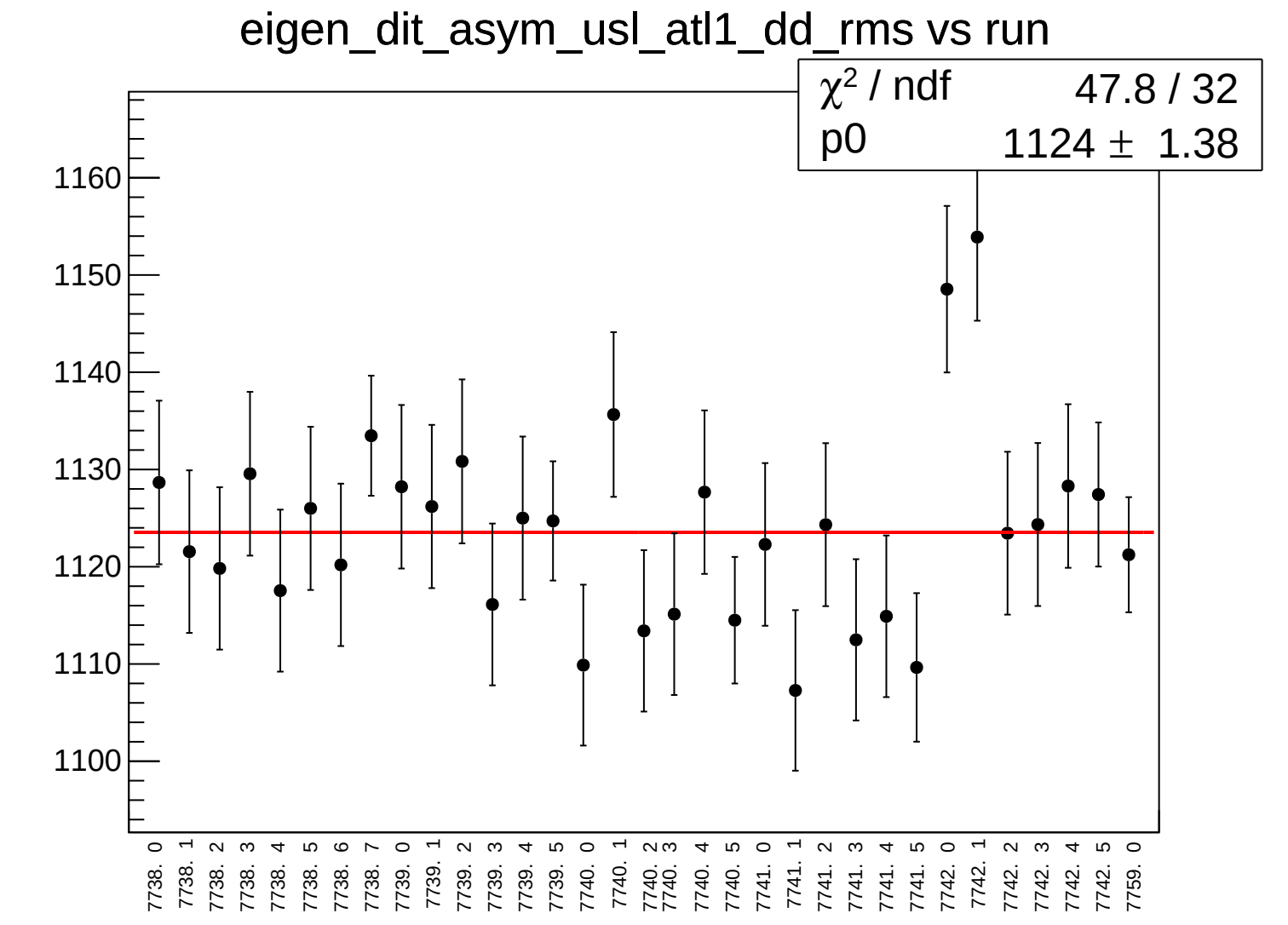

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 47.8 / 32
p0 1124 ± 1.38
1160
1150
1140
1130
1120
1110
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

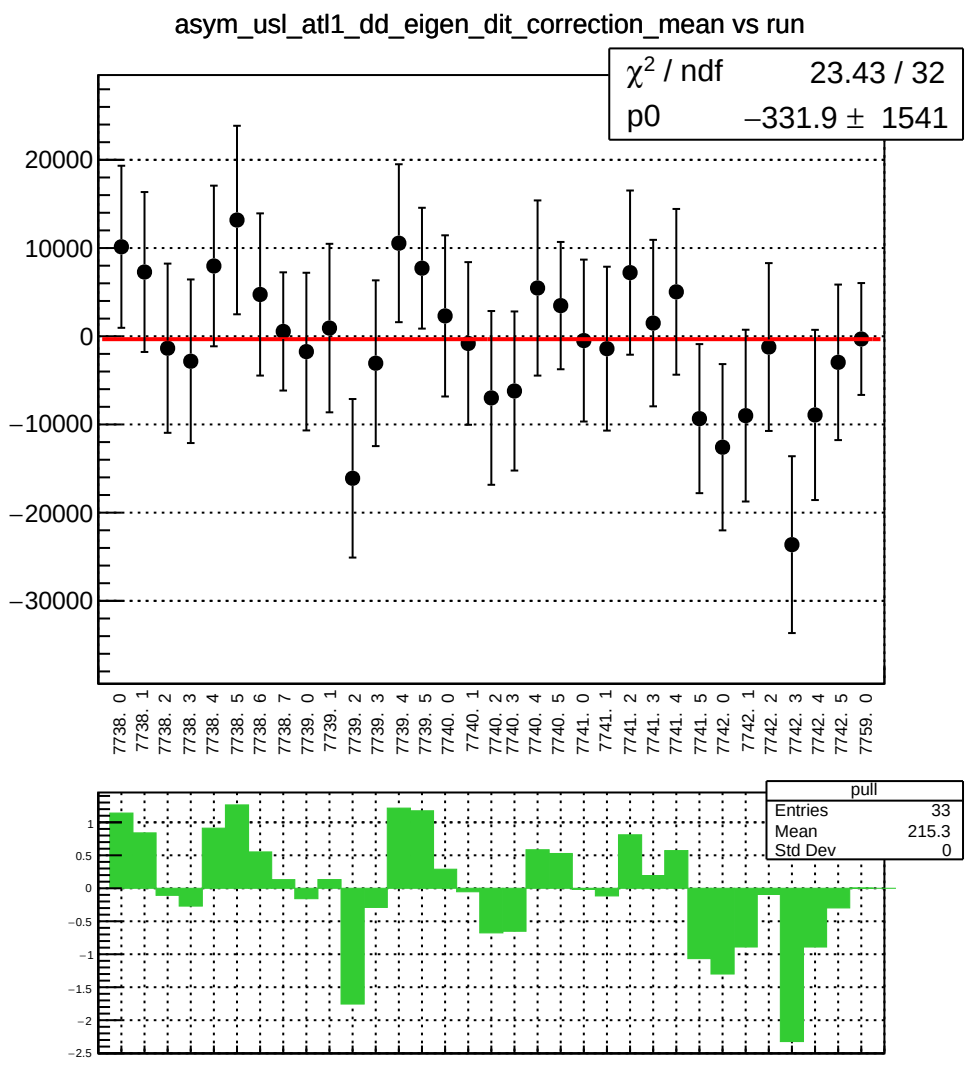

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 23.43 / 32
p0 −331.9 ± 1541
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 215.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01864
Std Dev 0.8424
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

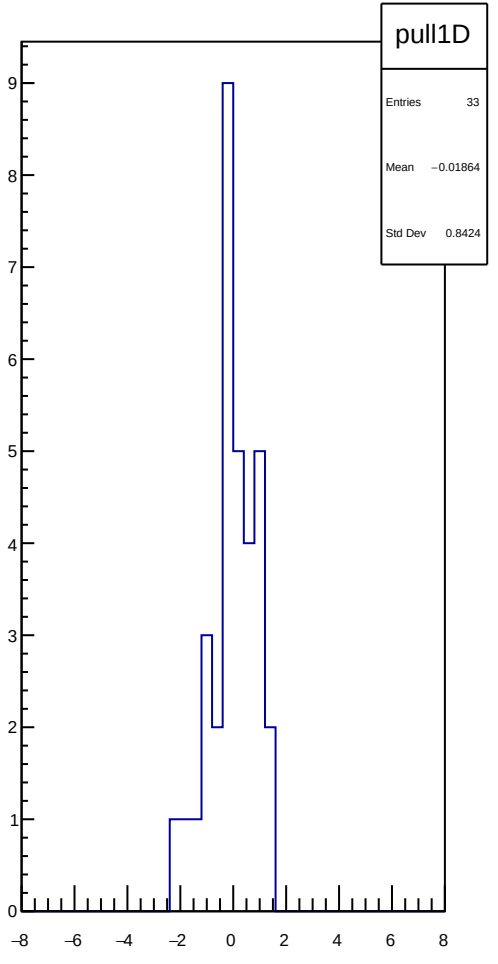

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 932.8 / 32
p0 886.7 ± 1.09
1020
1000
980
960
940
920
900
880
860
840
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

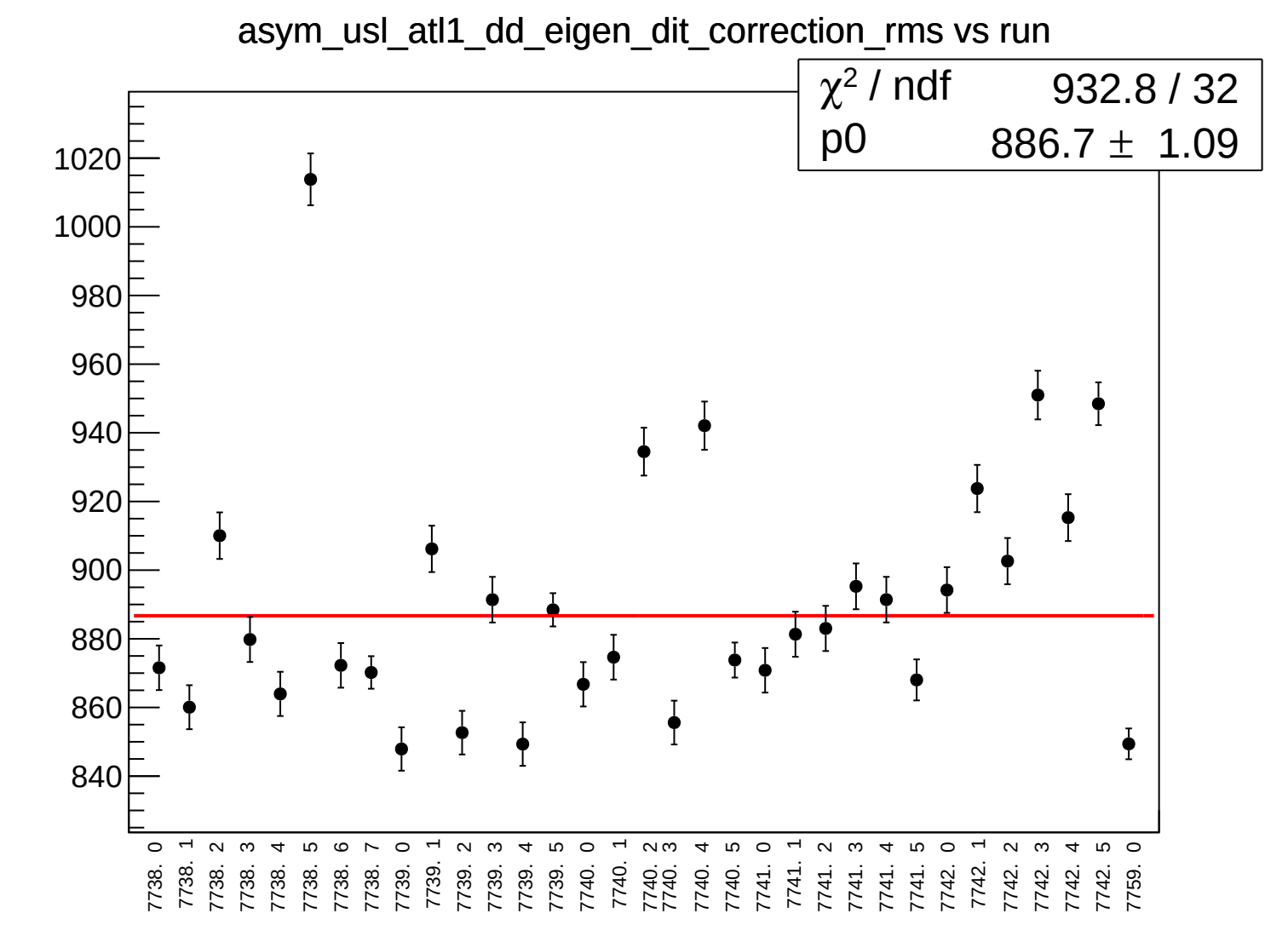

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 35.89 / 32
p0 −3501 ± 1952
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 36.5
Std Dev 29.77
2
1
0
−1
−2

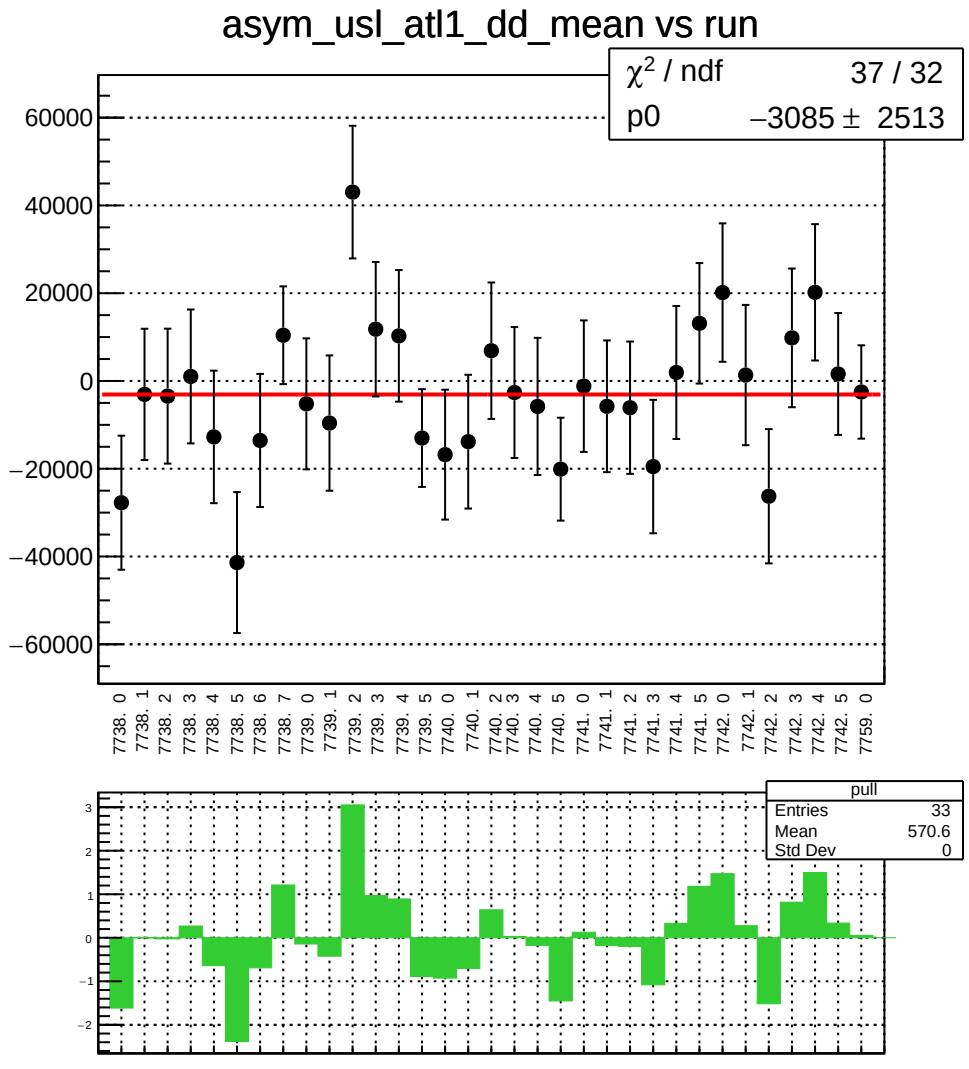

pull1D
Entries 33
Mean −0.006103
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

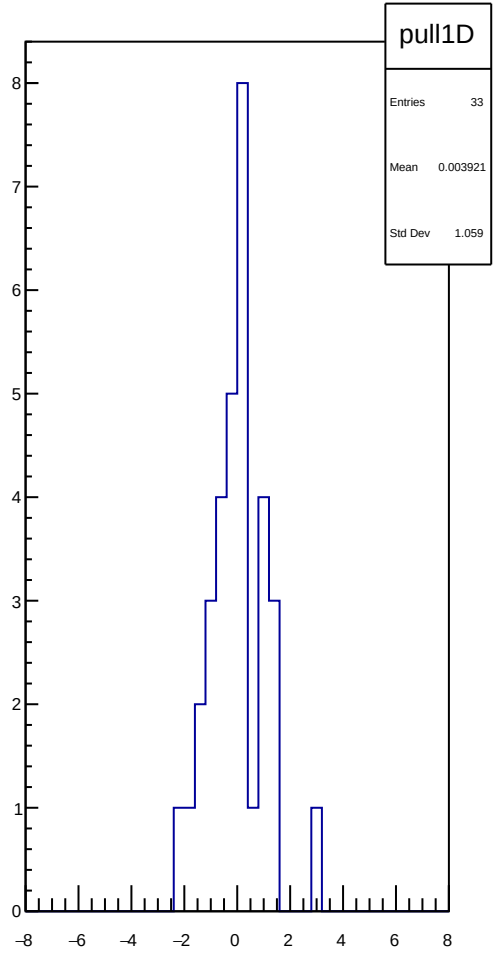

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 47.8 / 32
p0 1124 ± 1.38
1160
1150
1140
1130
1120
1110
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

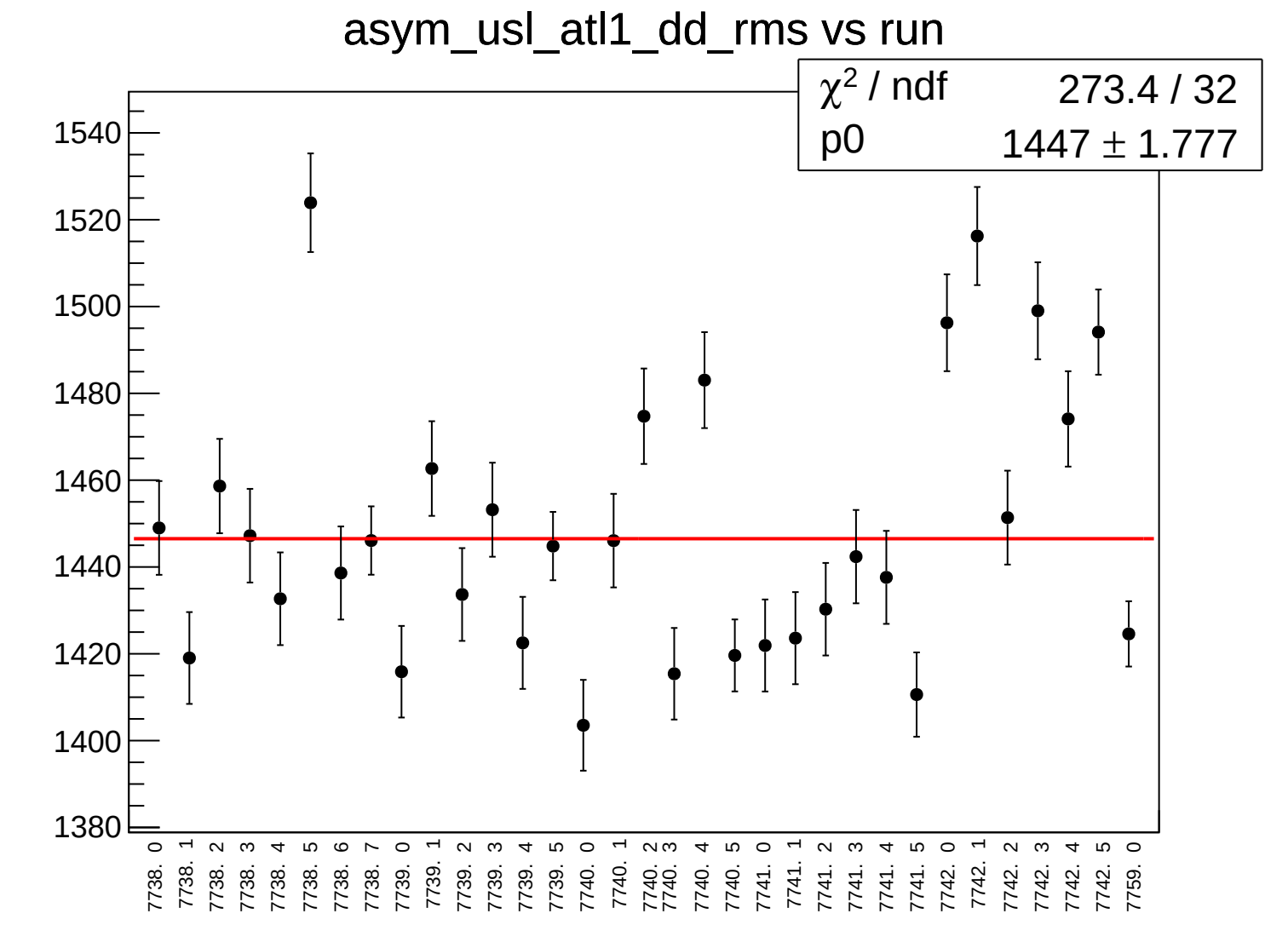

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 23.43 / 32
p0 −331.9 ± 1541
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 215.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

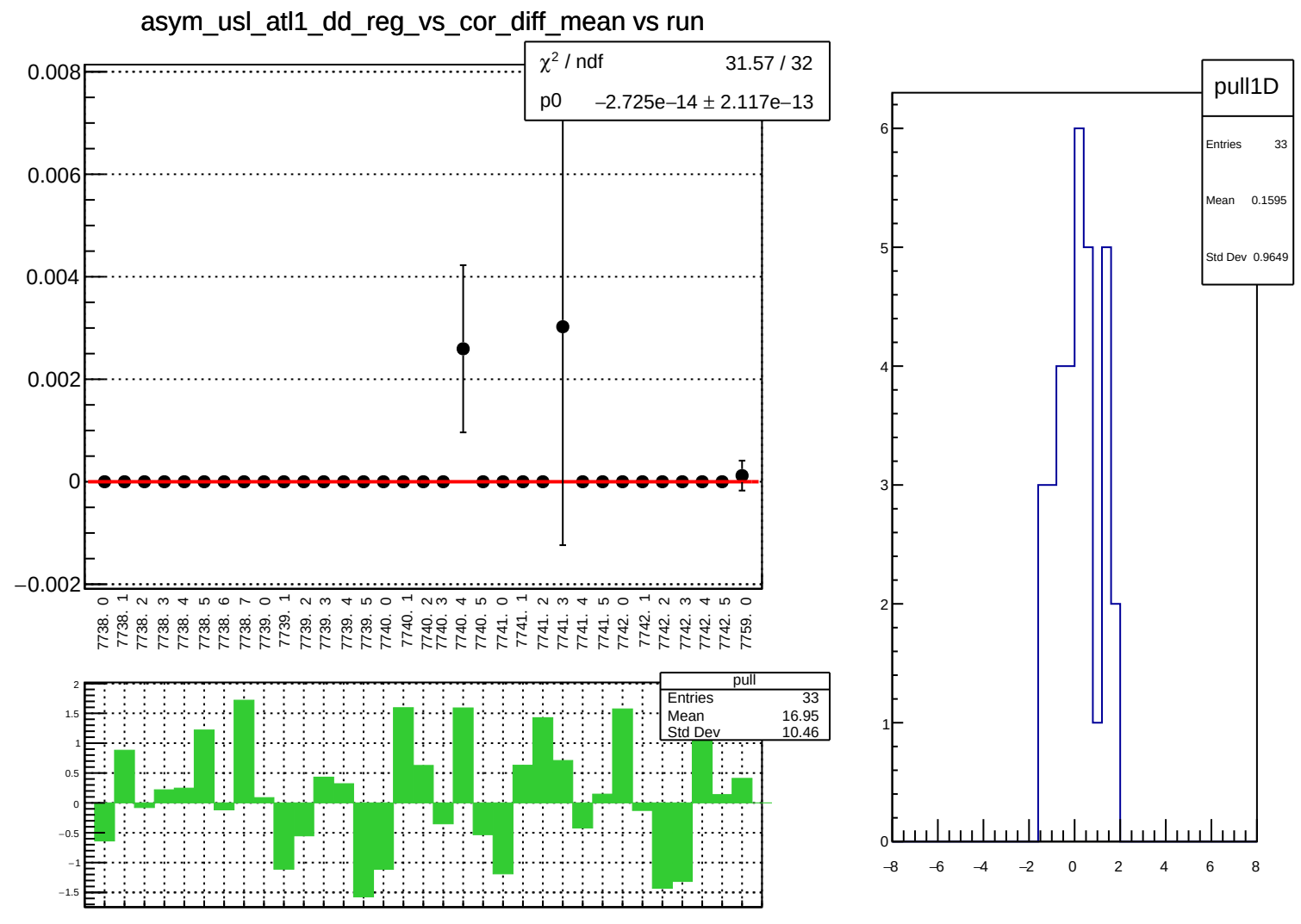

pull1D
Entries 33
Mean −0.01864
Std Dev 0.8424
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

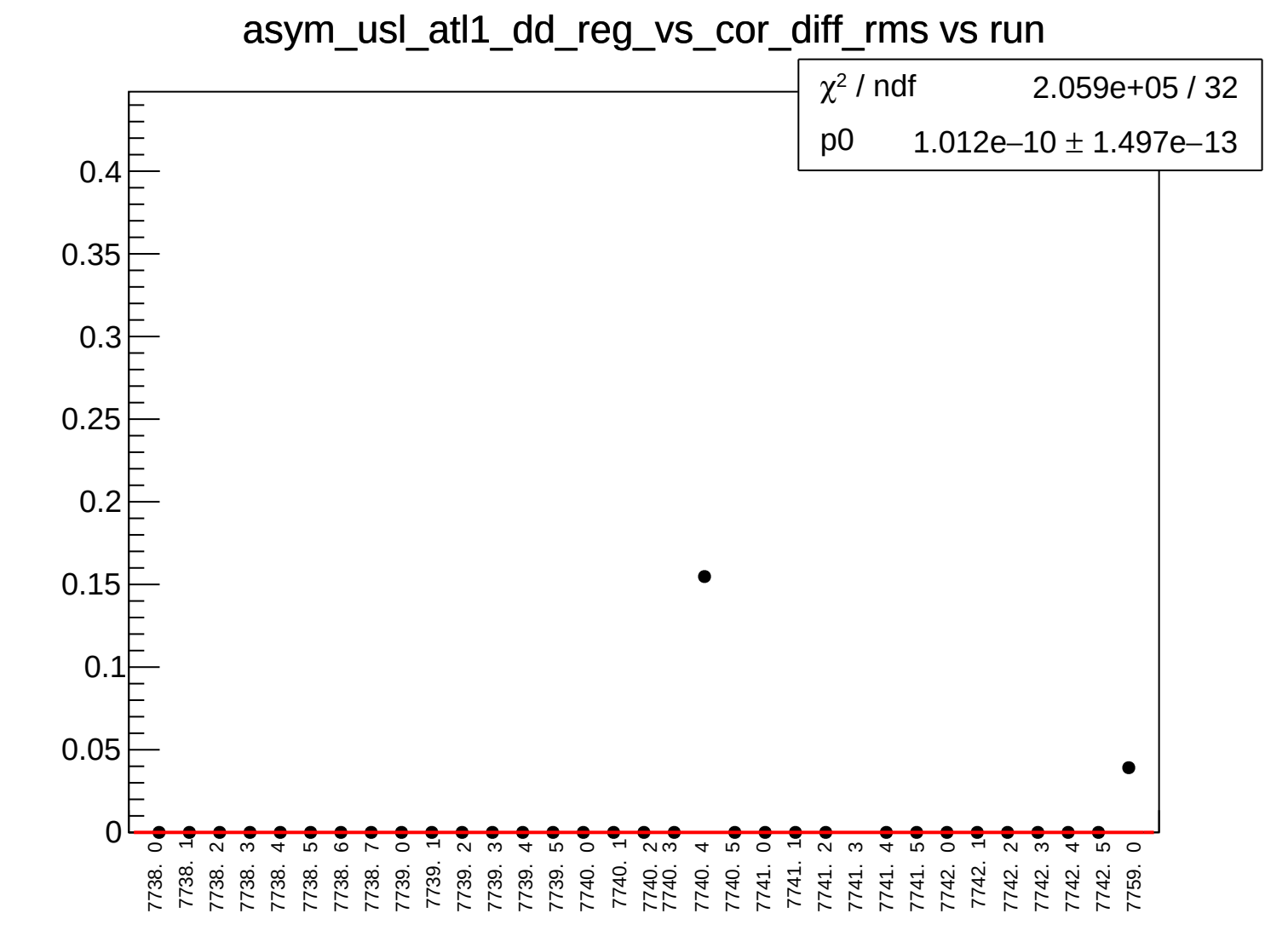

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 932.8 / 32
p0 886.7 ± 1.09
1020
1000
980
960
940
920
900
880
860
840
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

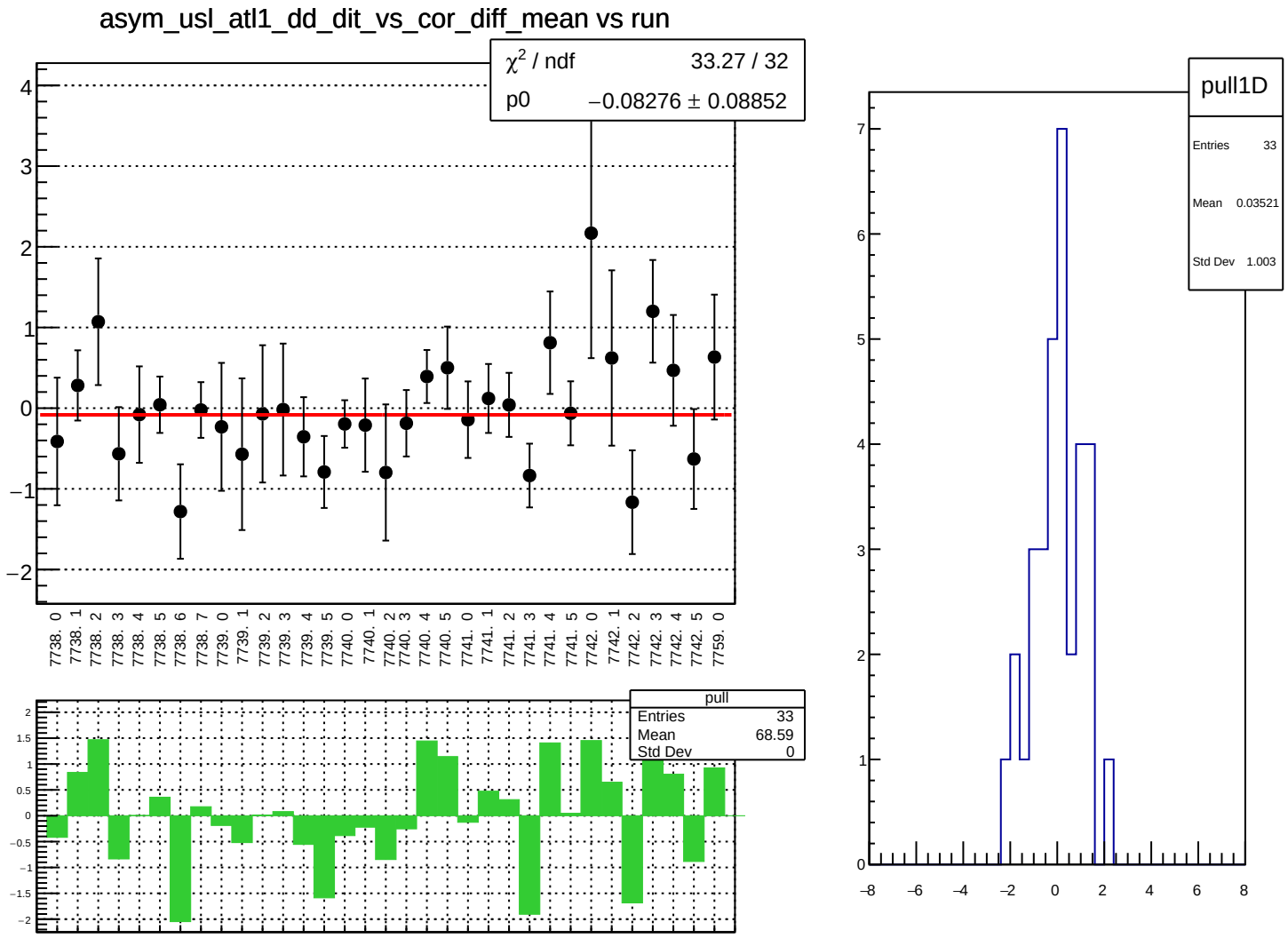

asym_usl_atl1_dd_mean vs run
χ² / ndf 37 / 32
p0 −3085 ± 2513
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 570.6
Std Dev 0
3
2
1
0
−1
−2

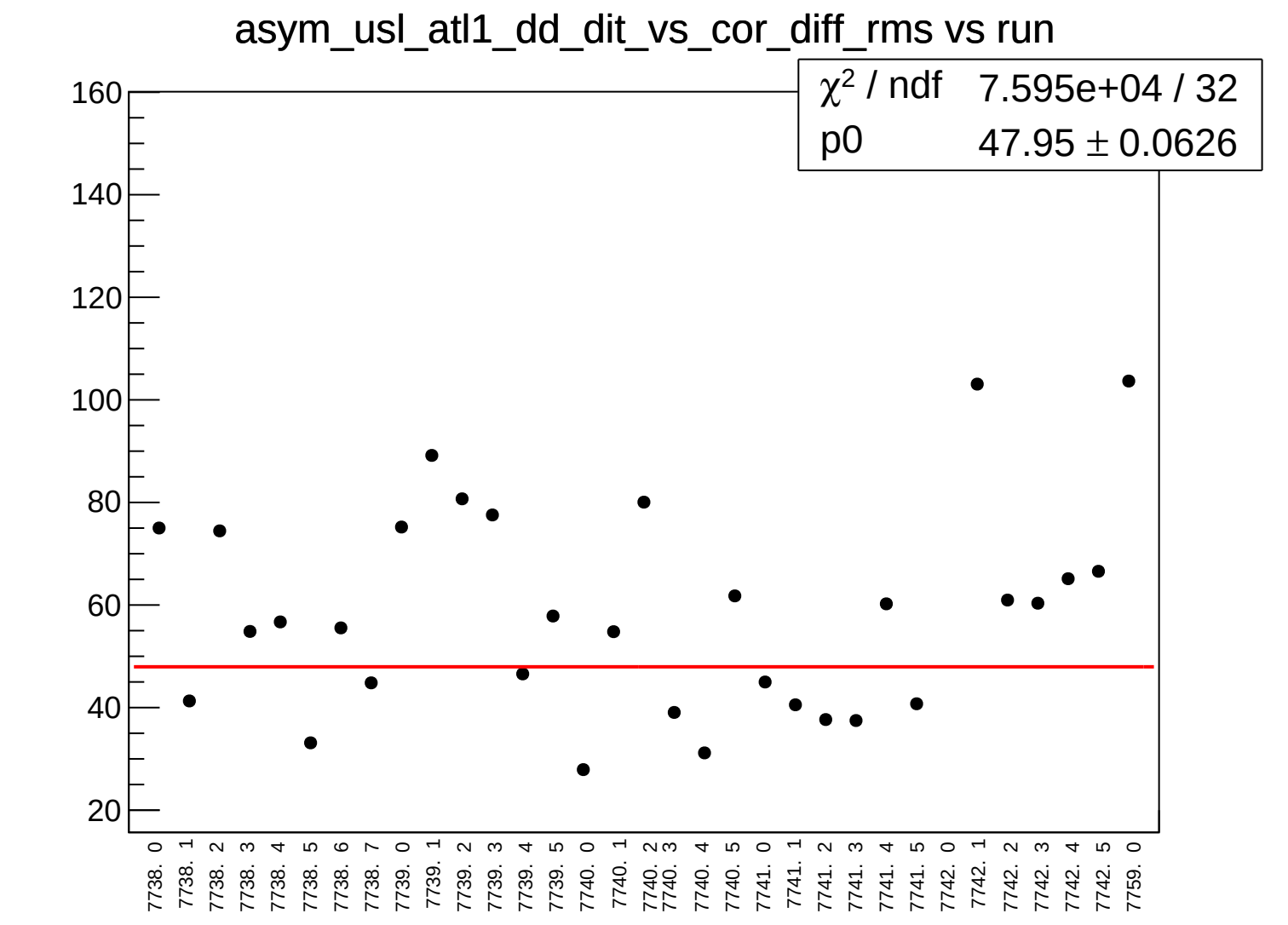

pull1D
Entries 33
Mean 0.003921
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

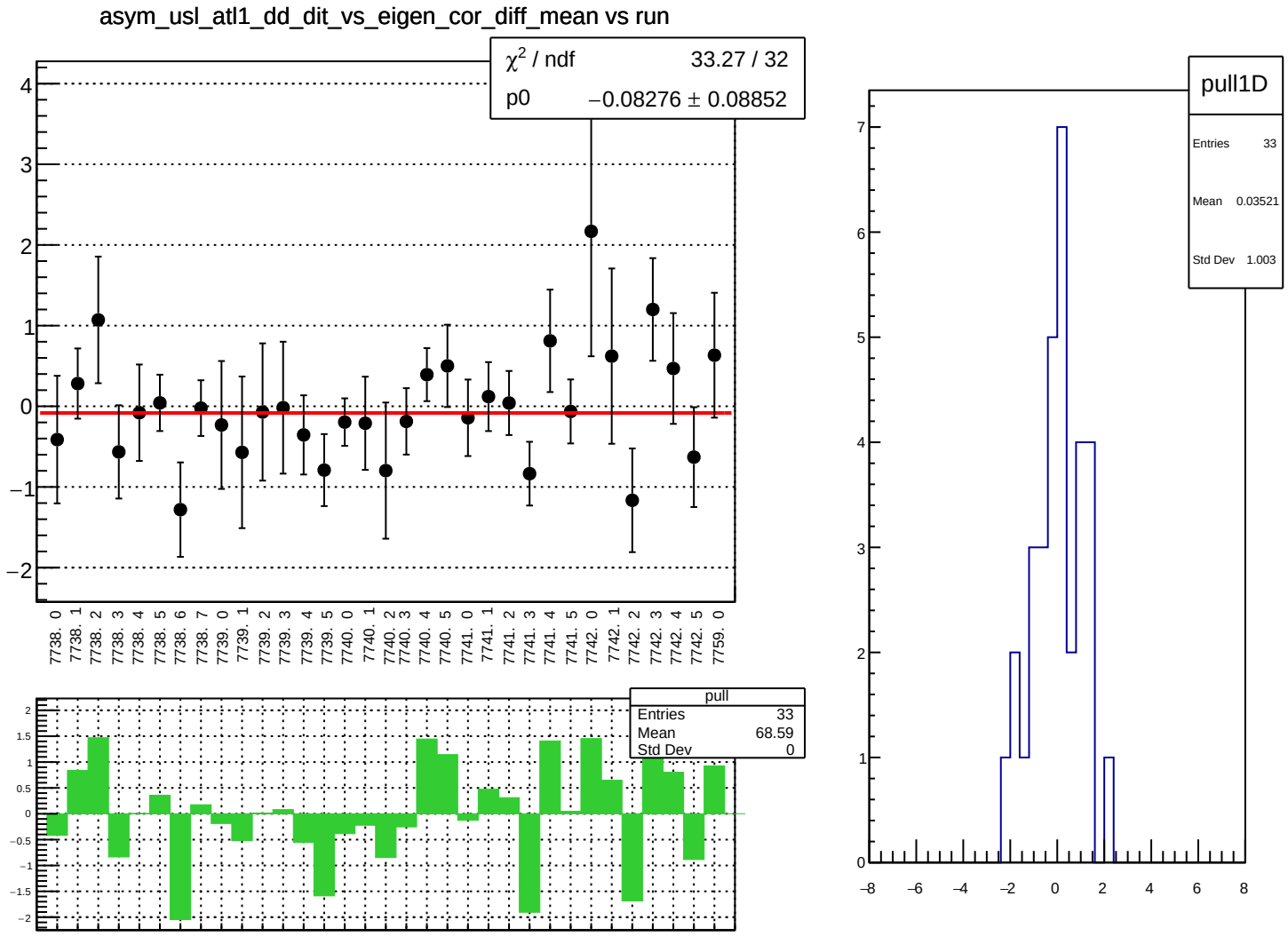

asym_usl_atl1_dd_rms vs run
χ² / ndf 273.4 / 32
p0 1447 ± 1.777
1540
1520
1500
1480
1460
1440
1420
1400
1380
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

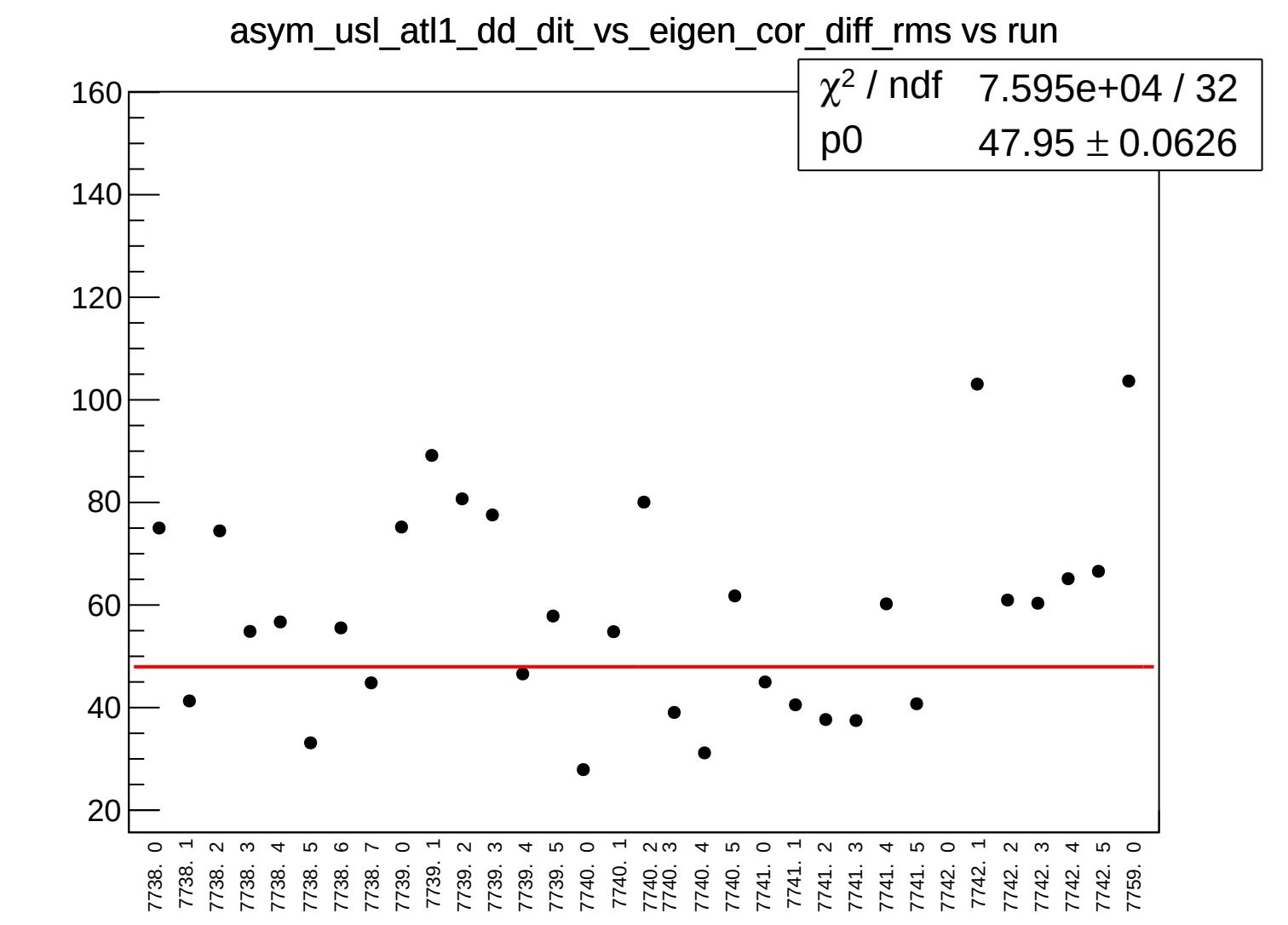

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.57 / 32
p0 −2.725e−14 ± 2.117e−13
0.008
0.006
0.004
0.002
0
−0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.95
Std Dev 10.46
pull1D
Entries 33
Mean 0.1595
Std Dev 0.9649

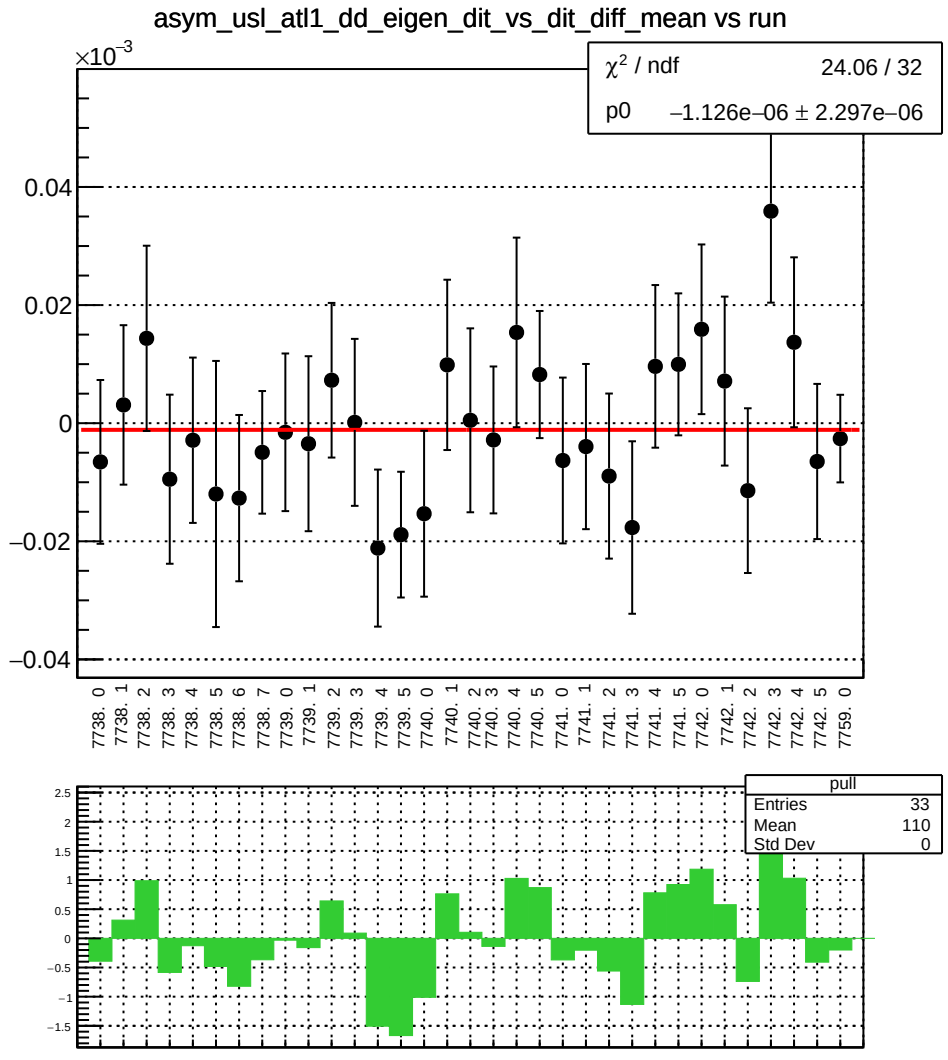

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.059e+05 / 32
p0 1.012e−10 ± 1.497e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

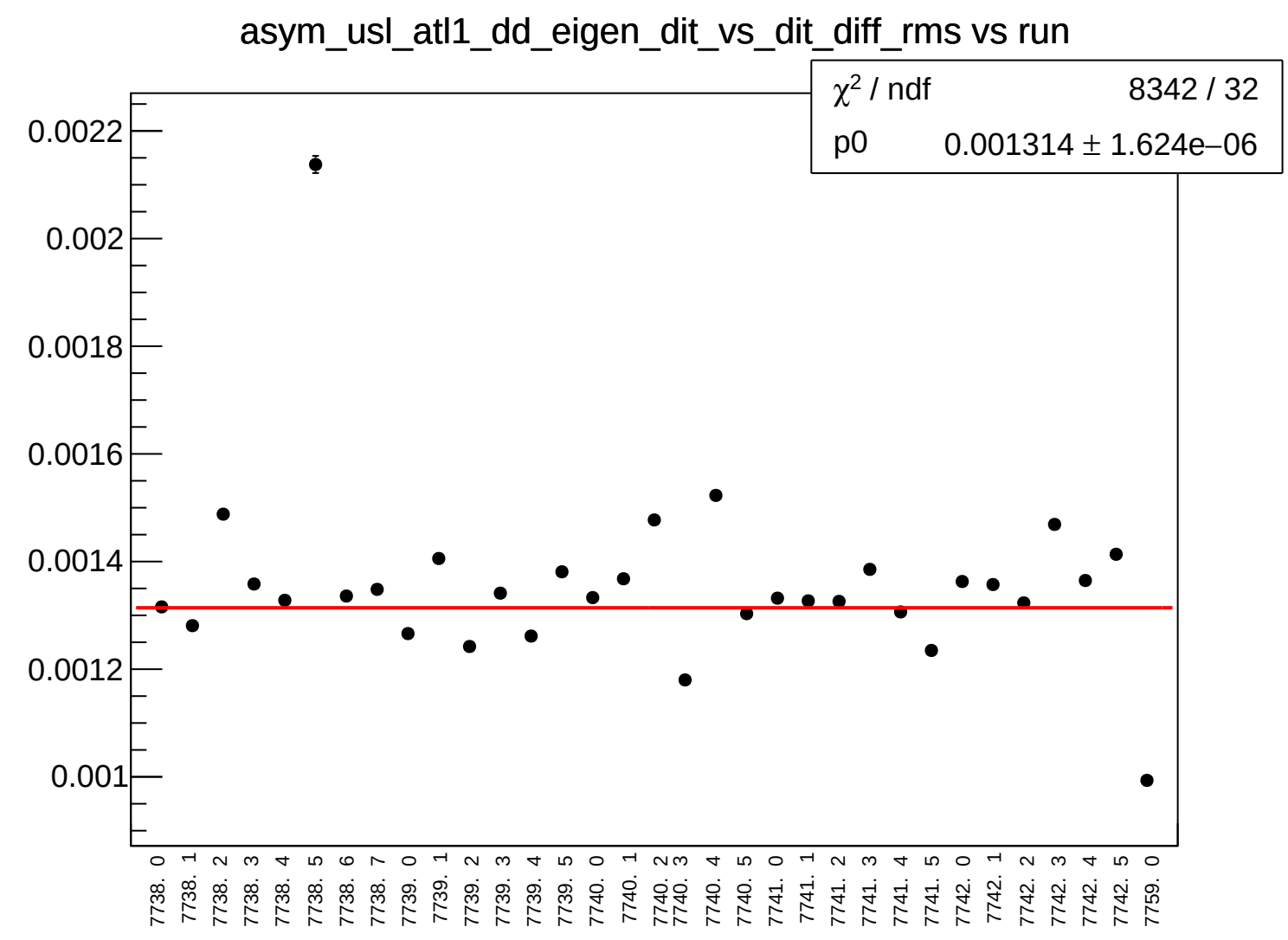

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 33.27 / 32
p0 −0.08276 ± 0.08852
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 68.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03521
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

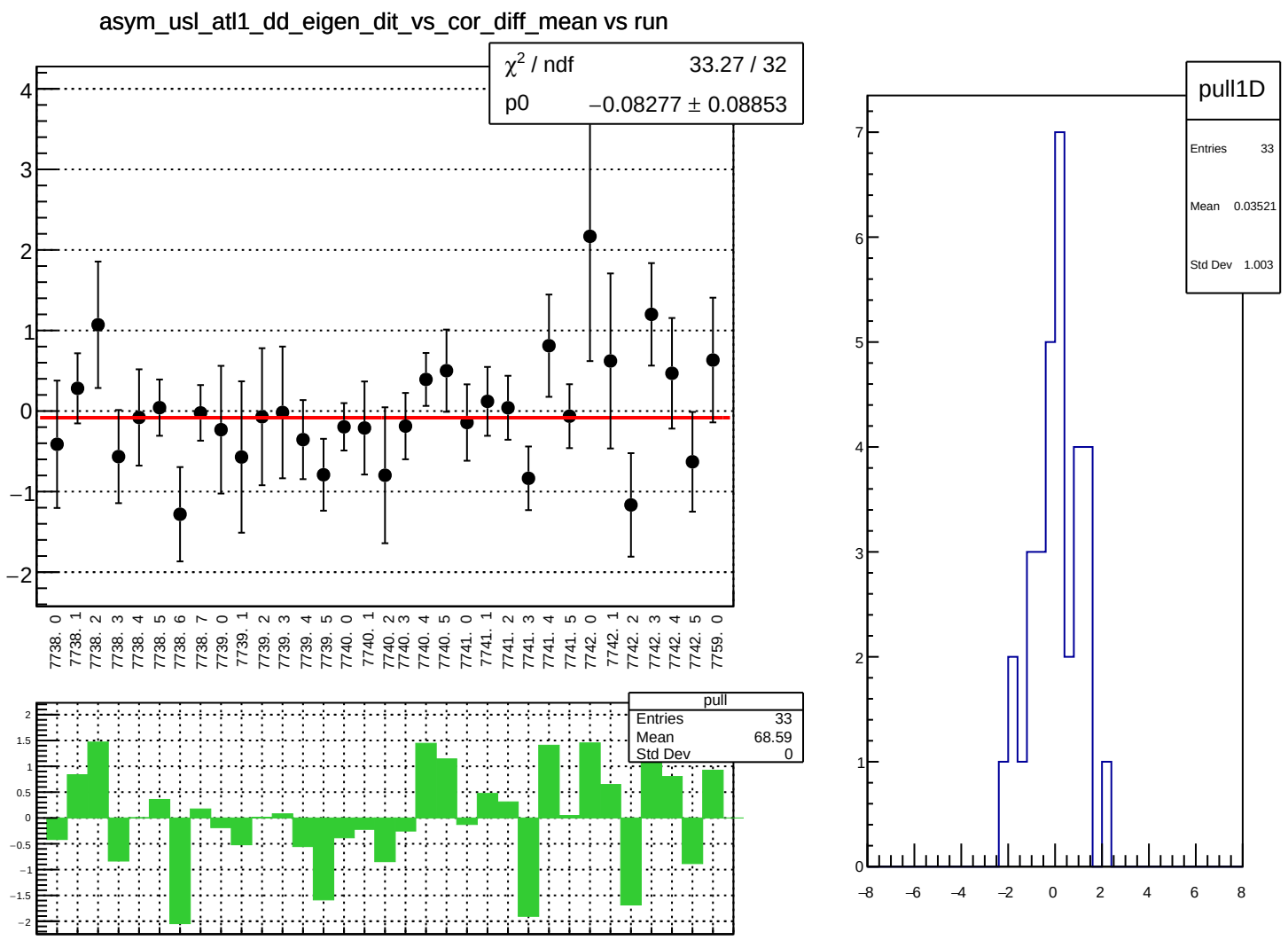

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.595e+04 / 32
p0 47.95 ± 0.0626
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

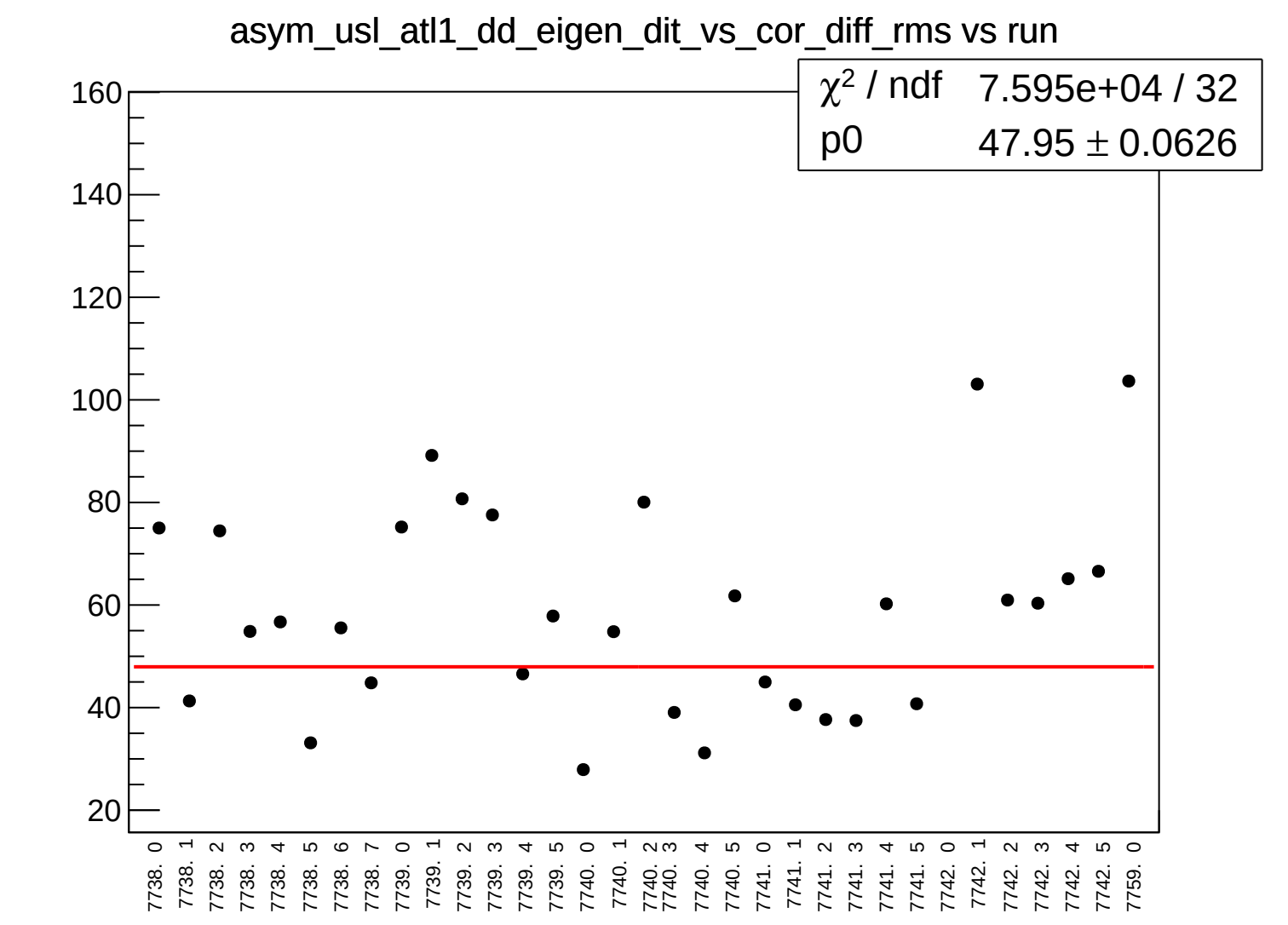

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.27 / 32
p0 −0.08276 ± 0.08852
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 68.59
Std Dev 0
pull1D
Entries 33
Mean 0.03521
Std Dev 1.003

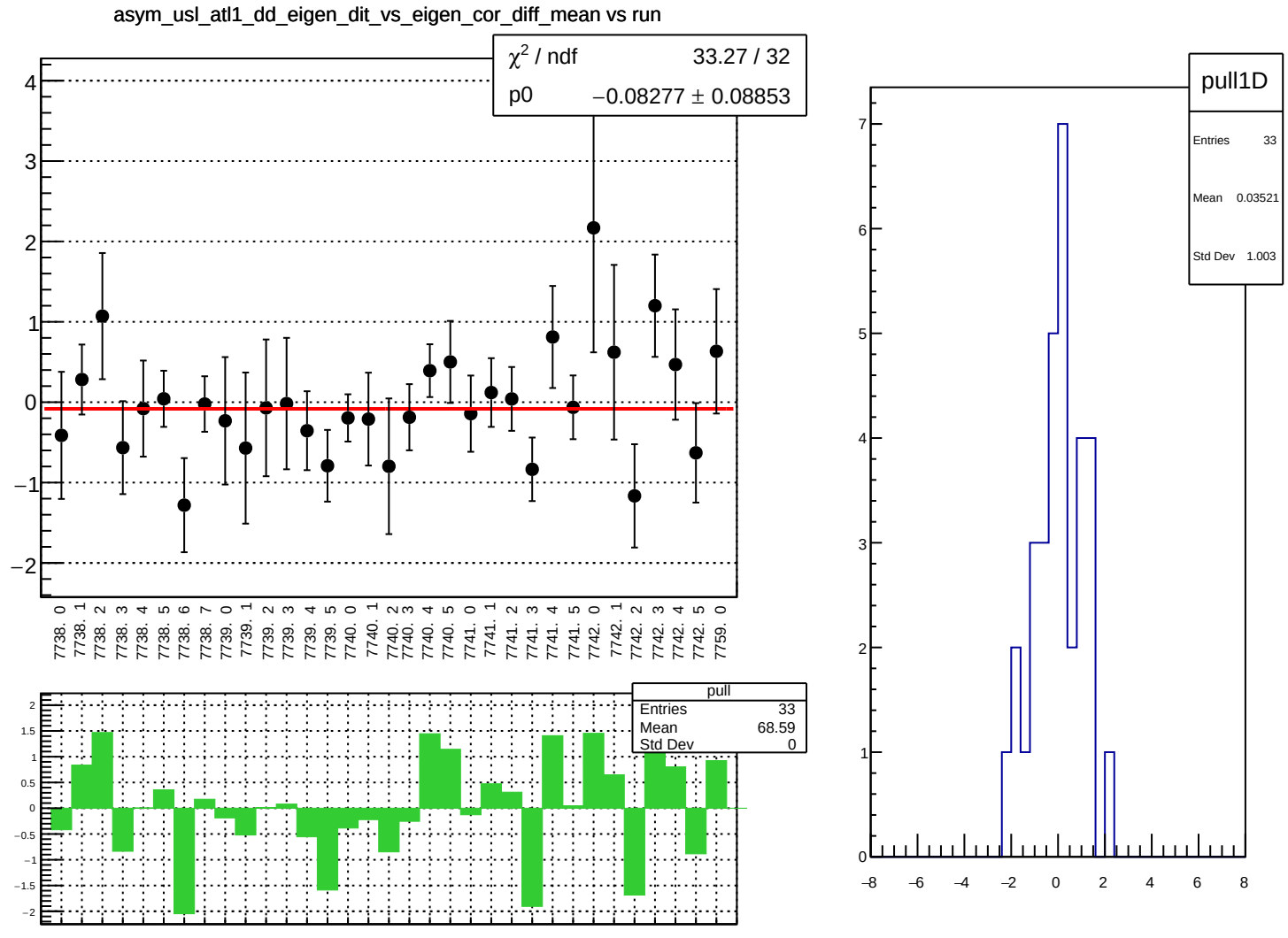

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.595e+04 / 32
p0 47.95 ± 0.0626
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

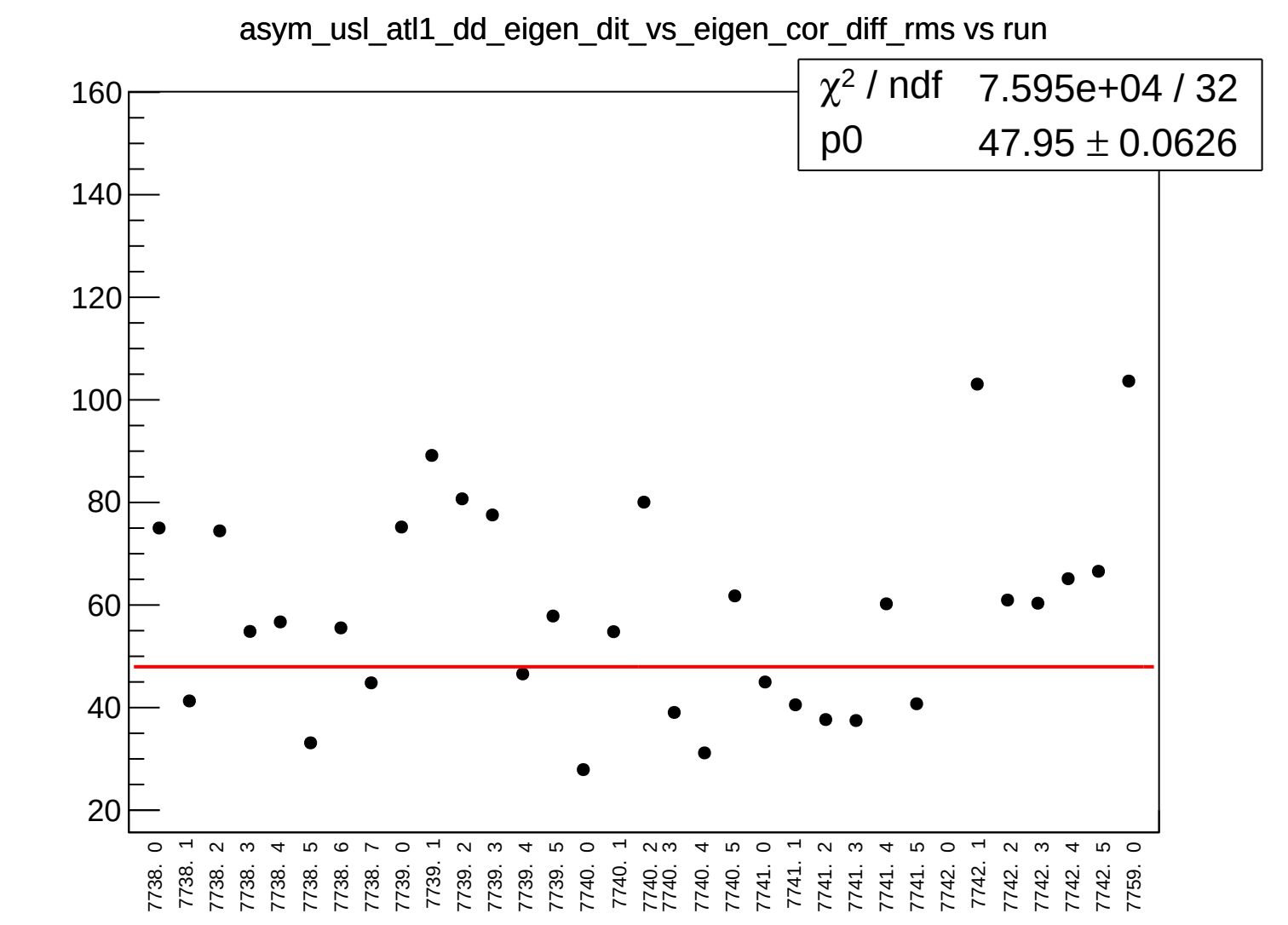

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 24.06 / 32
p0 −1.126e−06 ± 2.297e−06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 110
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.02394
Std Dev 0.8536
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

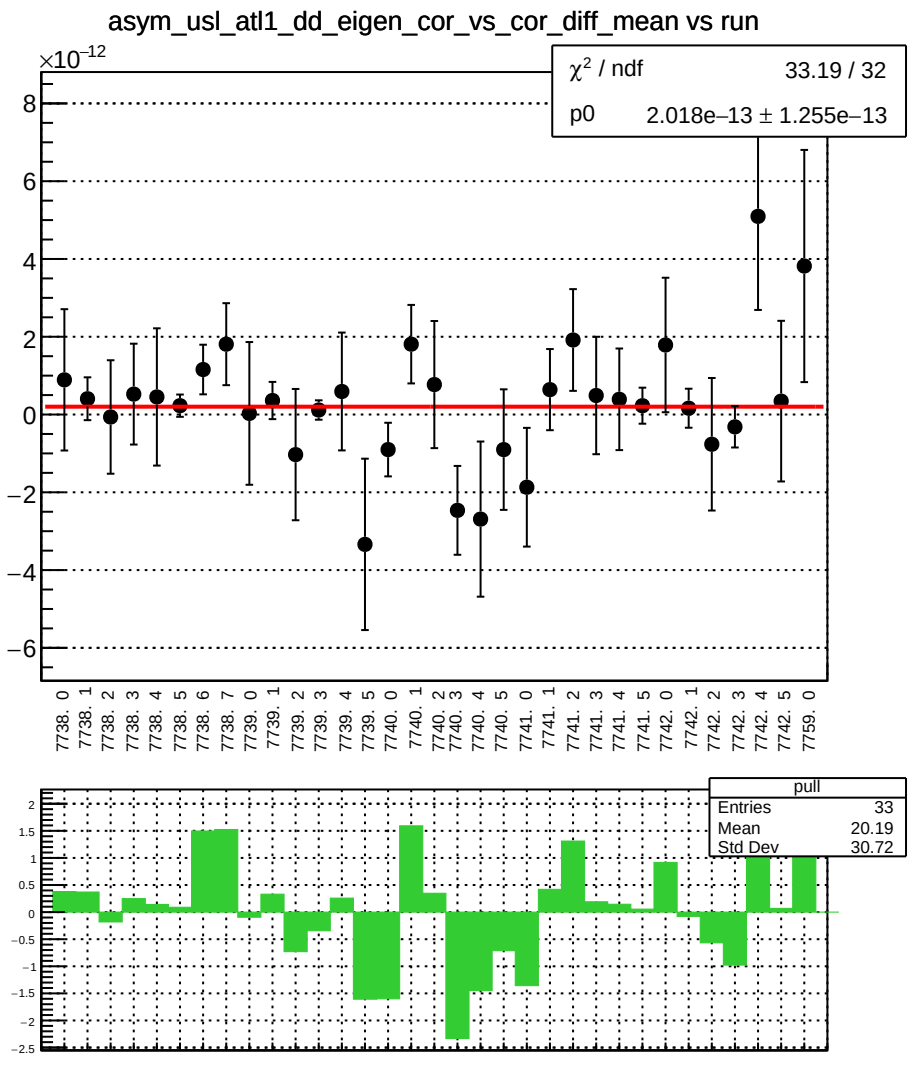

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8342 / 32
p0 0.001314 ± 1.624e−06
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

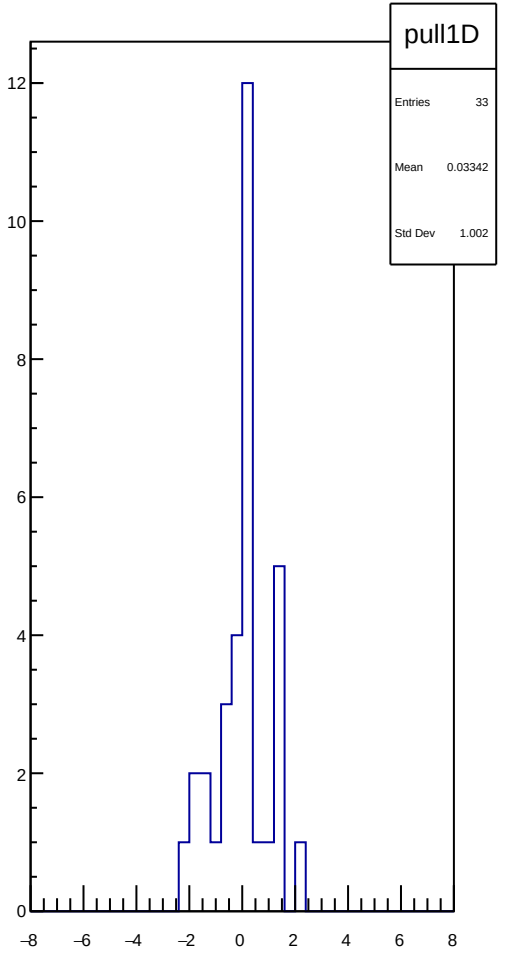

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.27 / 32
p0 −0.08277 ± 0.08853
pull
Entries 33
Mean 68.59
Std Dev 0
pull1D
Entries 33
Mean 0.03521
Std Dev 1.003

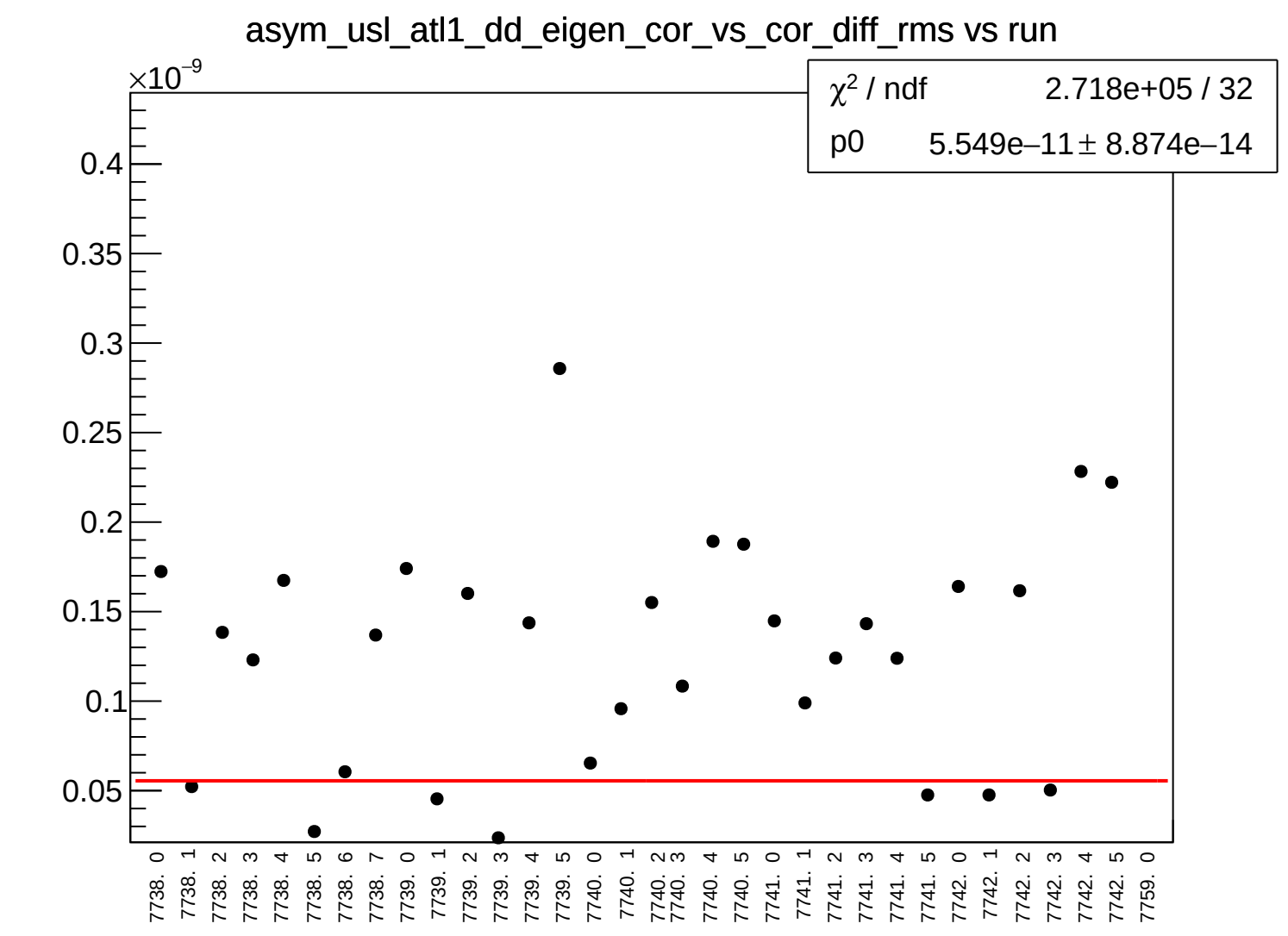

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.595e+04 / 32
p0 47.95 ± 0.0626
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

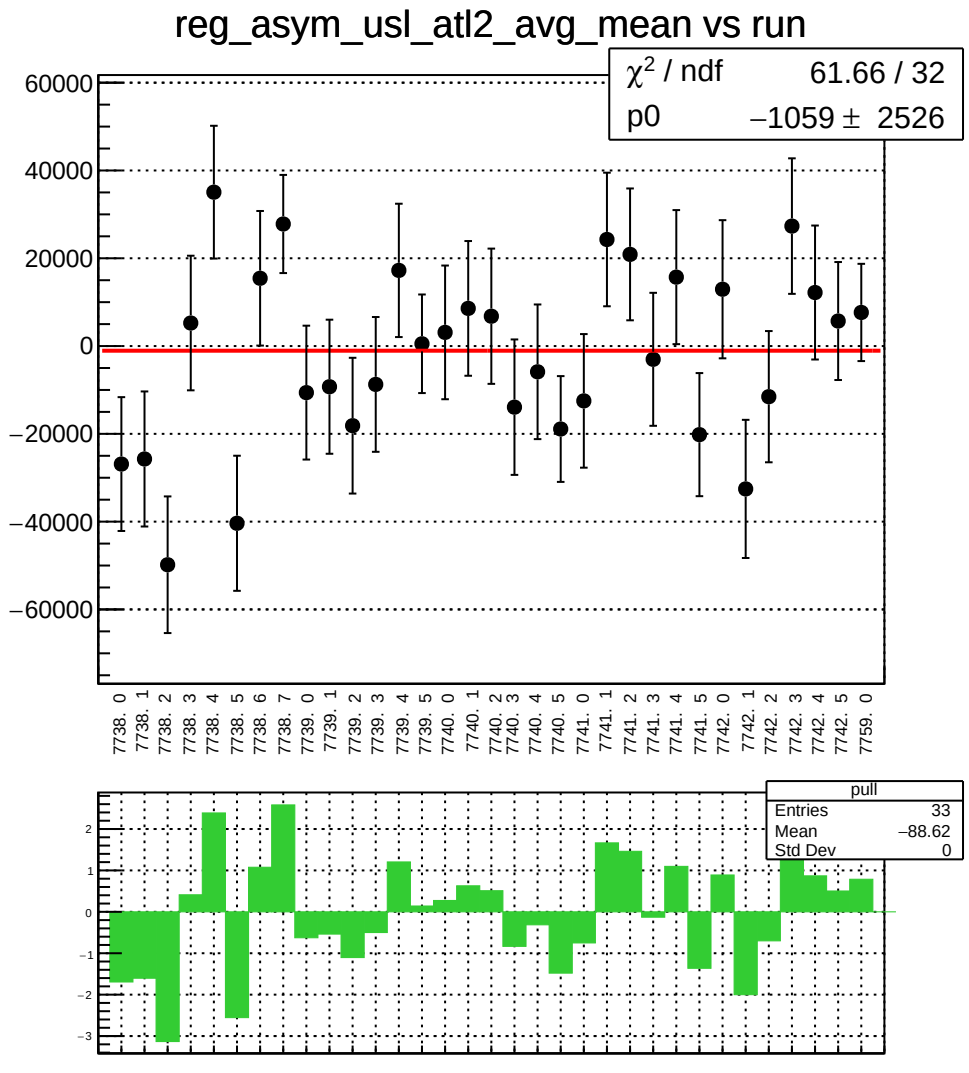

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.27 / 32
p0 −0.08277 ± 0.08853
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 68.59
Std Dev 0
pull1D
Entries 33
Mean 0.03521
Std Dev 1.003

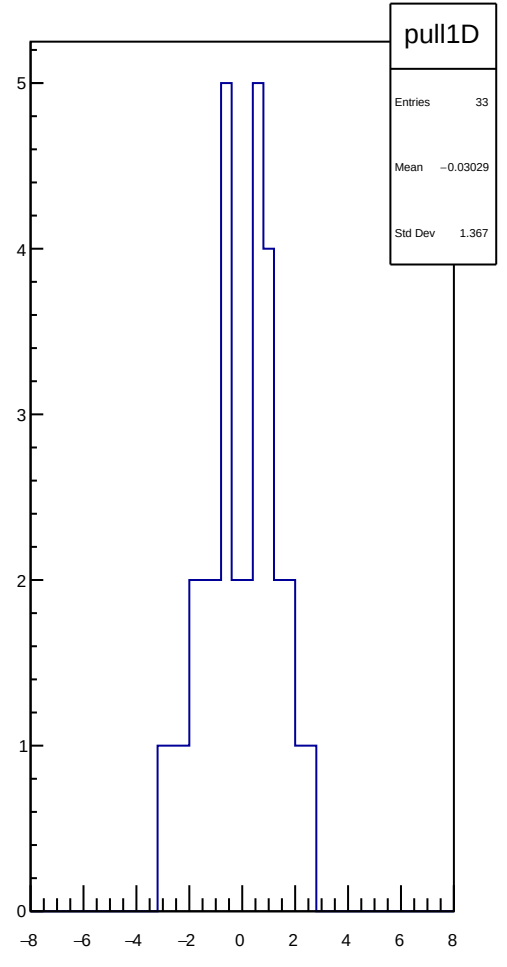

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.595e+04 / 32
p0 47.95 ± 0.0626
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

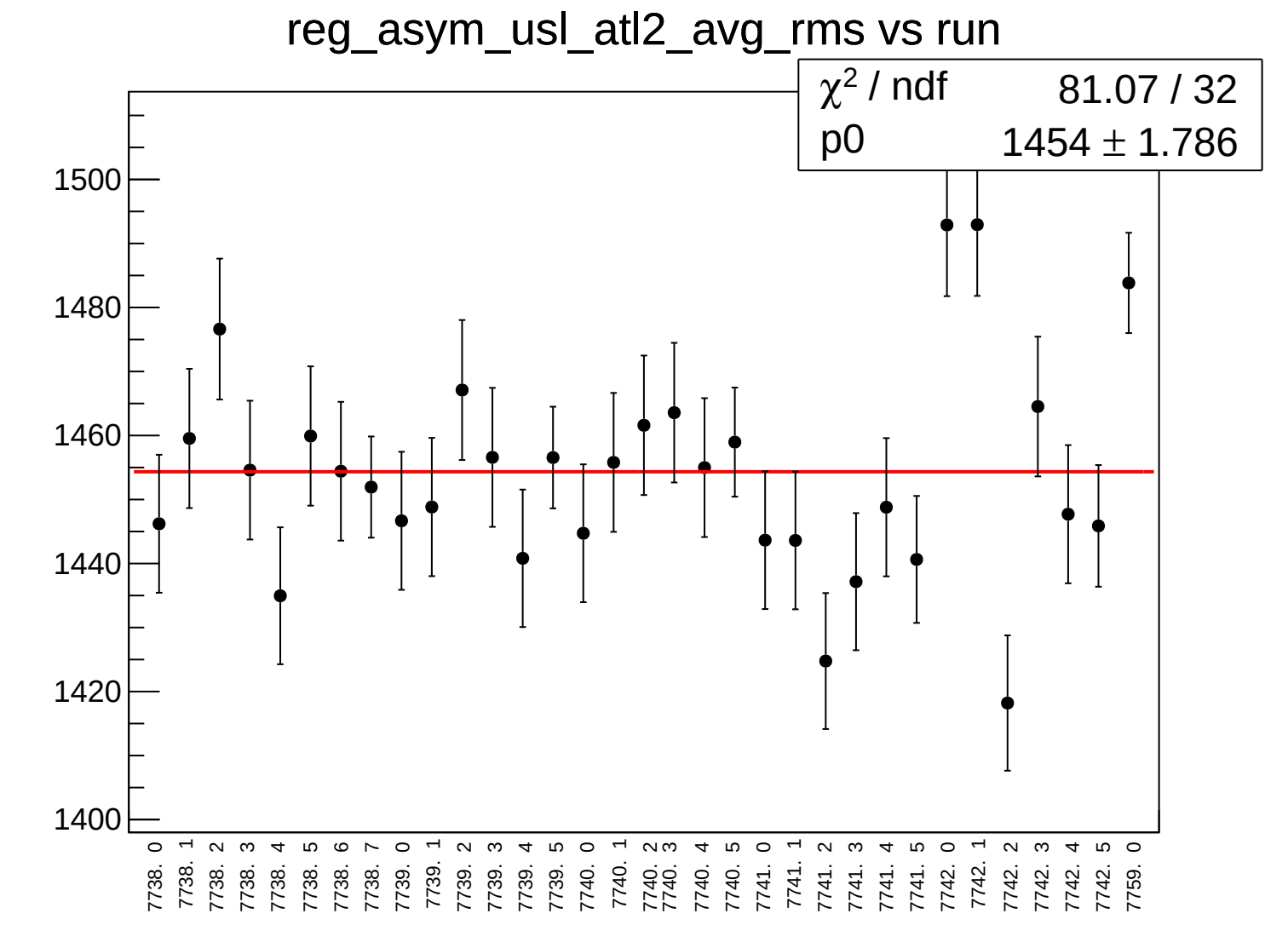

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.19 / 32
p0 2.018e−13 ± 1.255e−13
8
6
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.19
Std Dev 30.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

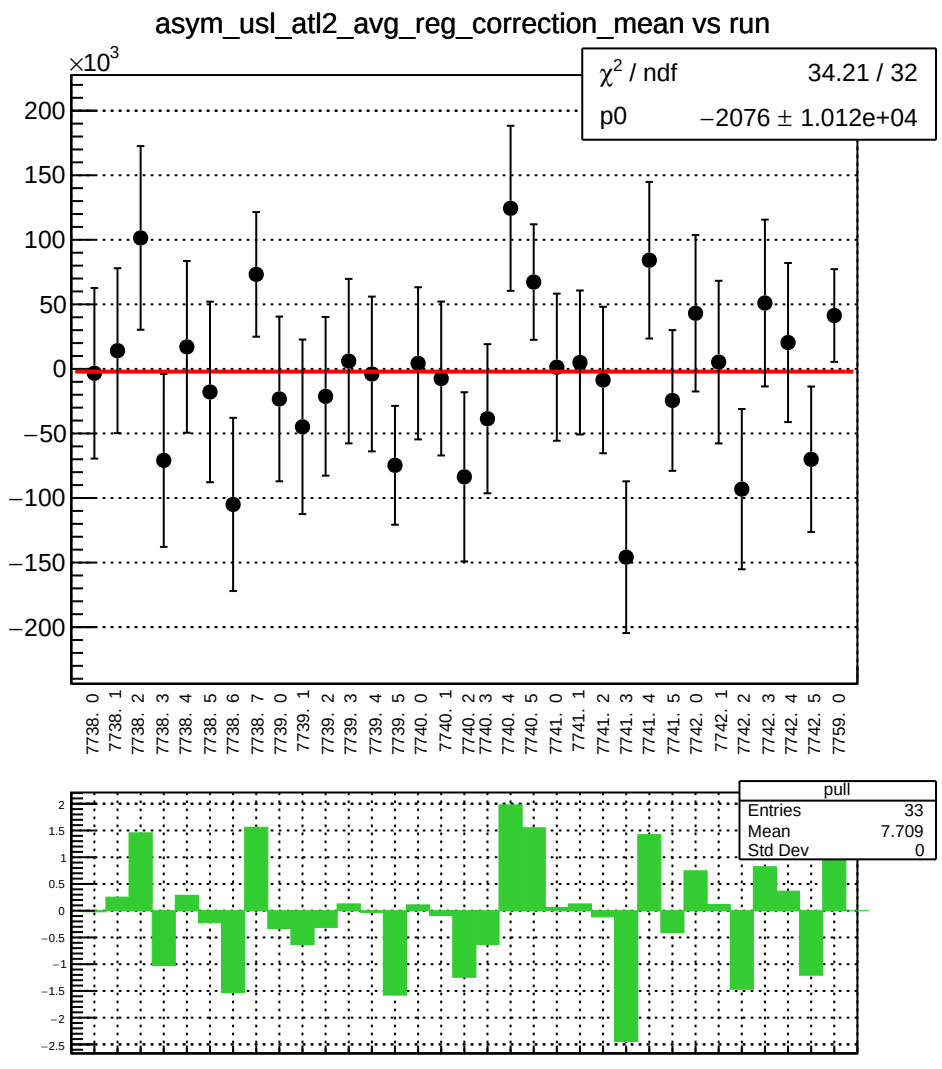

pull1D
Entries 33
Mean 0.03342
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

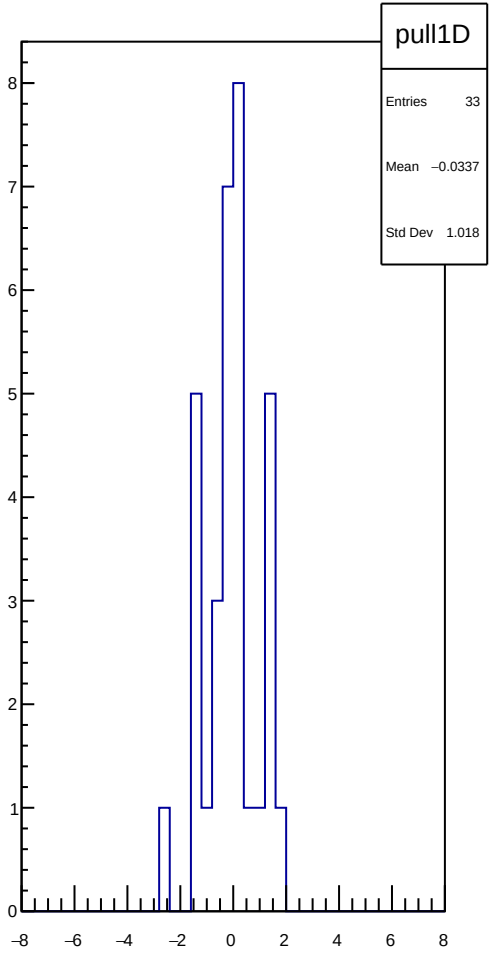

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.718e+05 / 32
p0 5.549e−11 ± 8.874e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

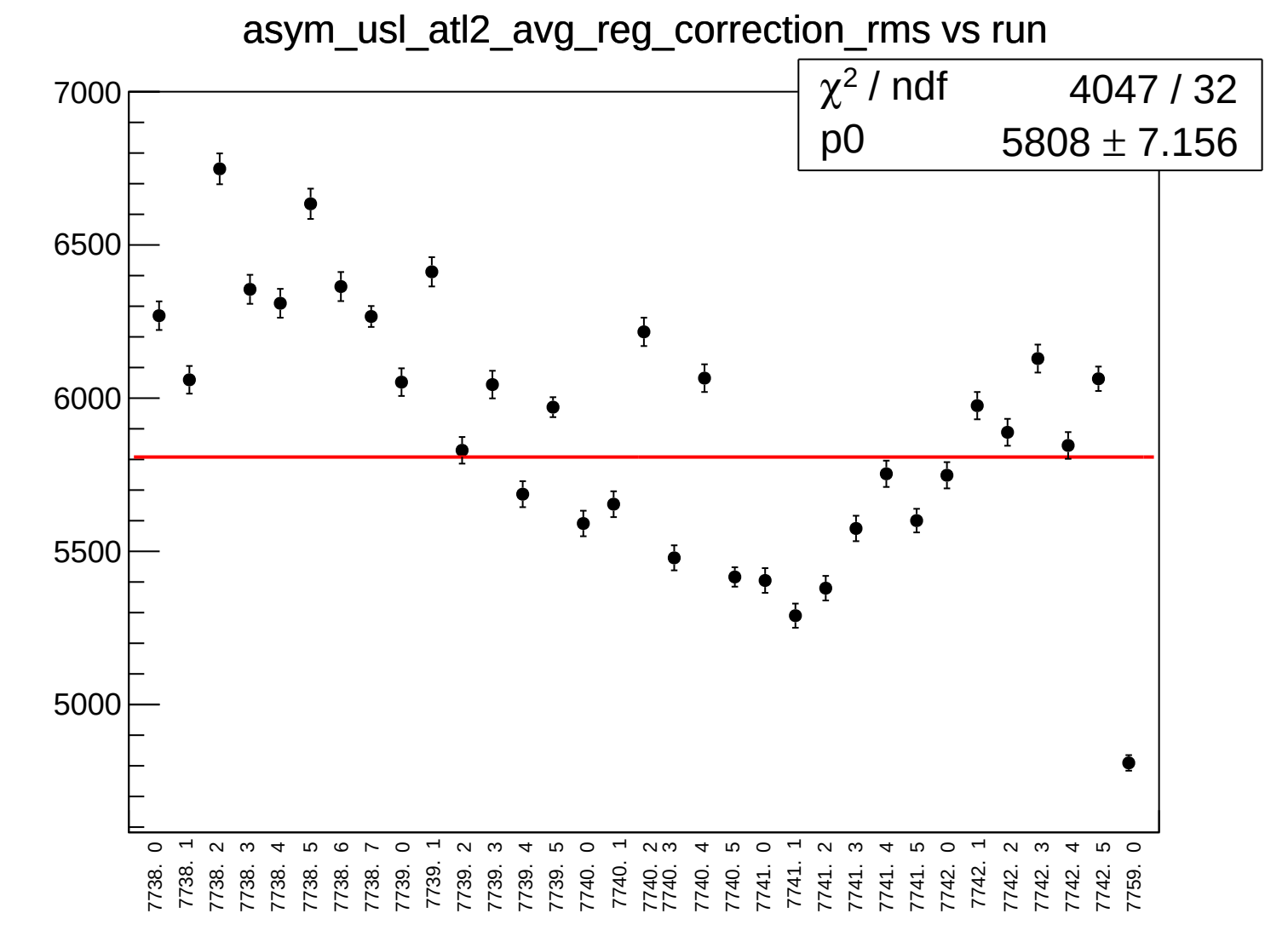

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 61.66 / 32
p0 −1059 ± 2526
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −88.62
Std Dev 0
2
1
0
−1
−2
−3

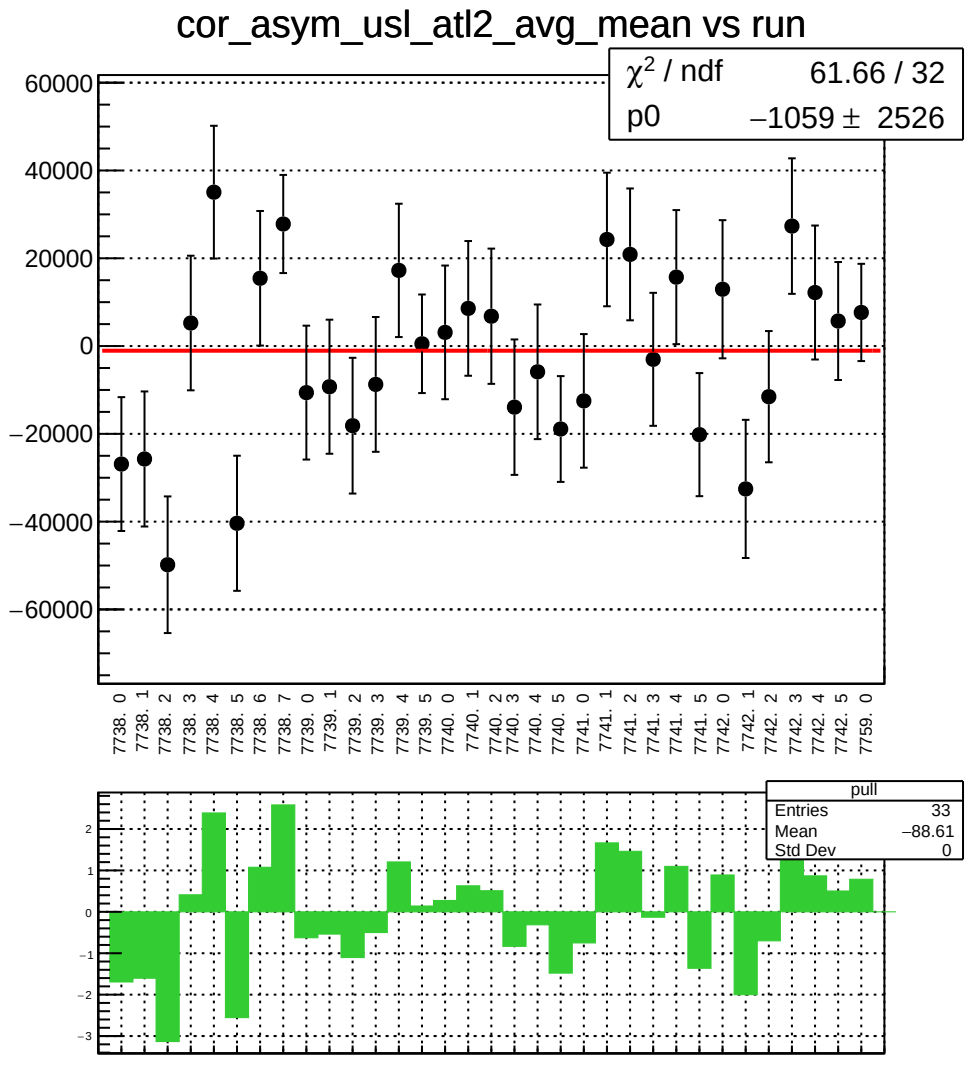

pull1D
Entries 33
Mean −0.03029
Std Dev 1.367
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

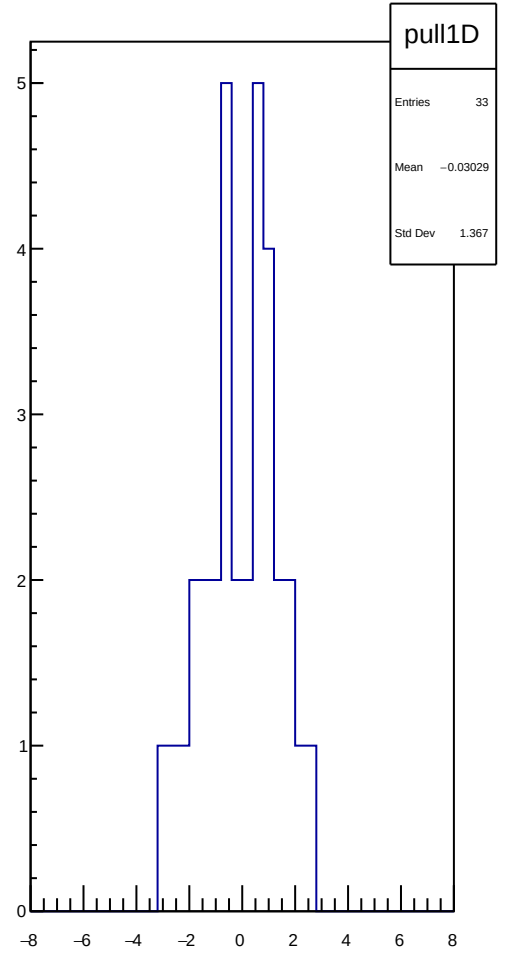

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 81.07 / 32
p0 1454 ± 1.786
1500
1480
1460
1440
1420
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

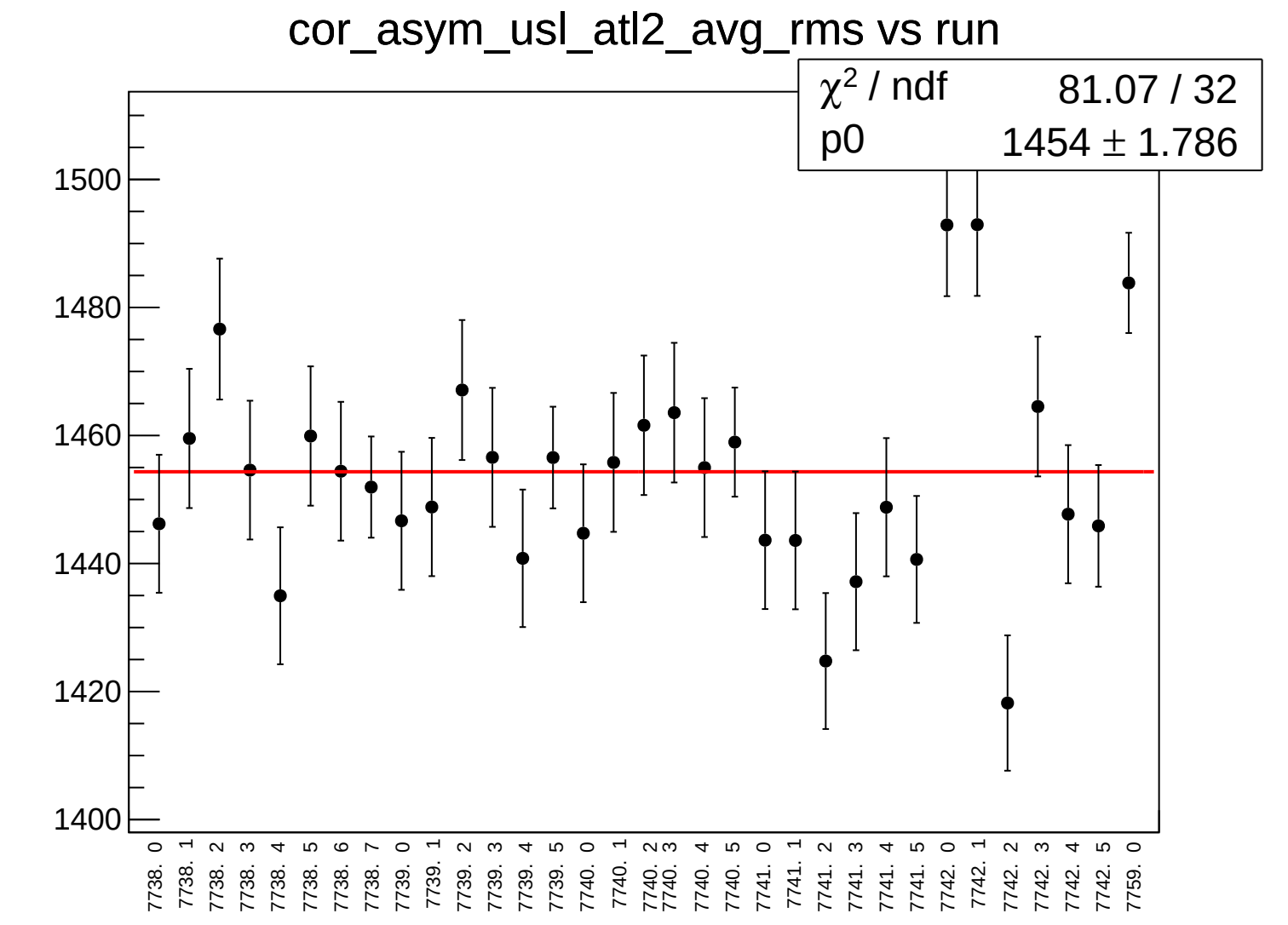

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.21 / 32
p0 −2076 ± 1.012e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.709
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

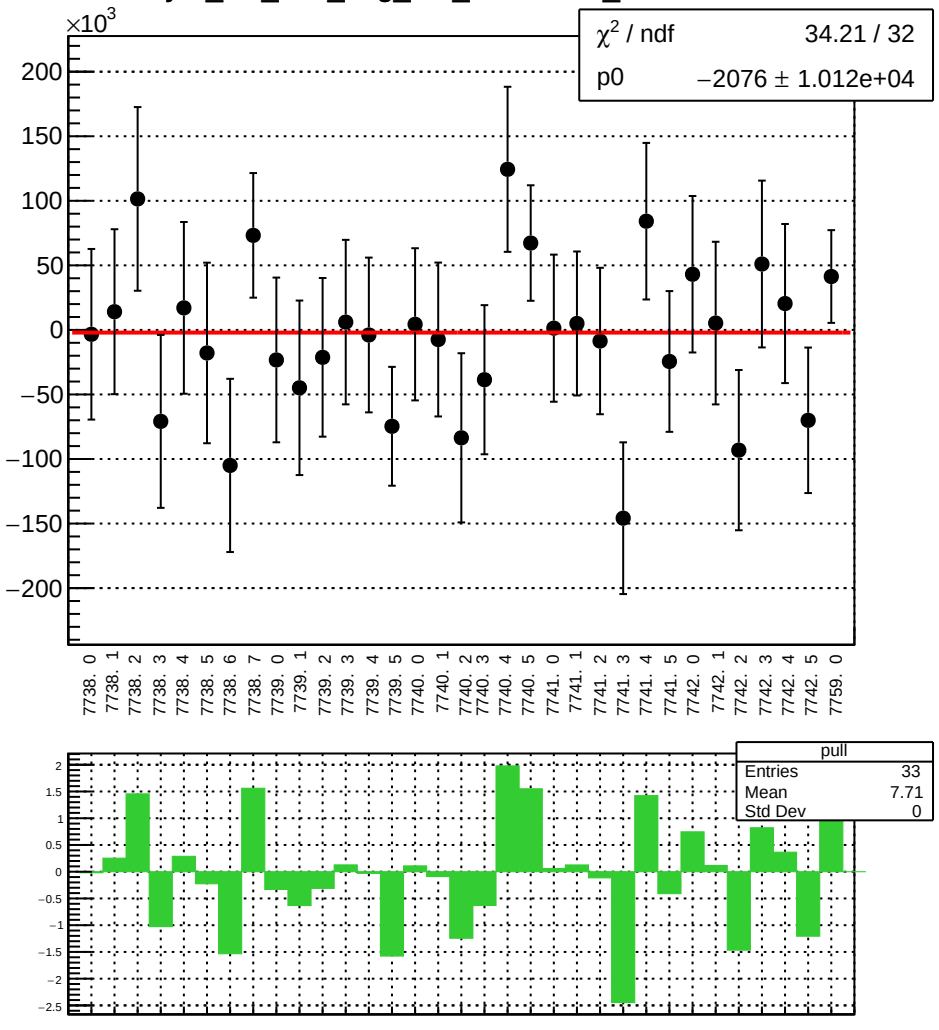

pull1D
Entries 33
Mean −0.0337
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

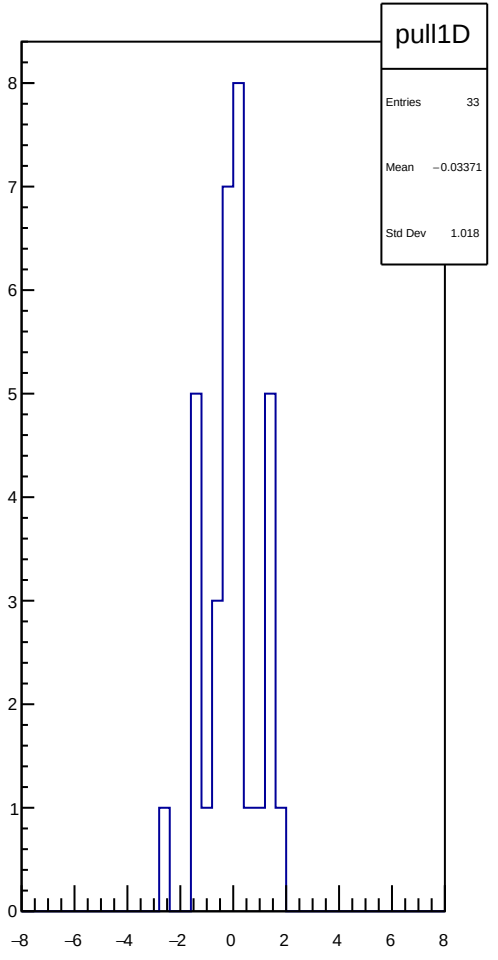

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 4047 / 32
p0 5808 ± 7.156
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

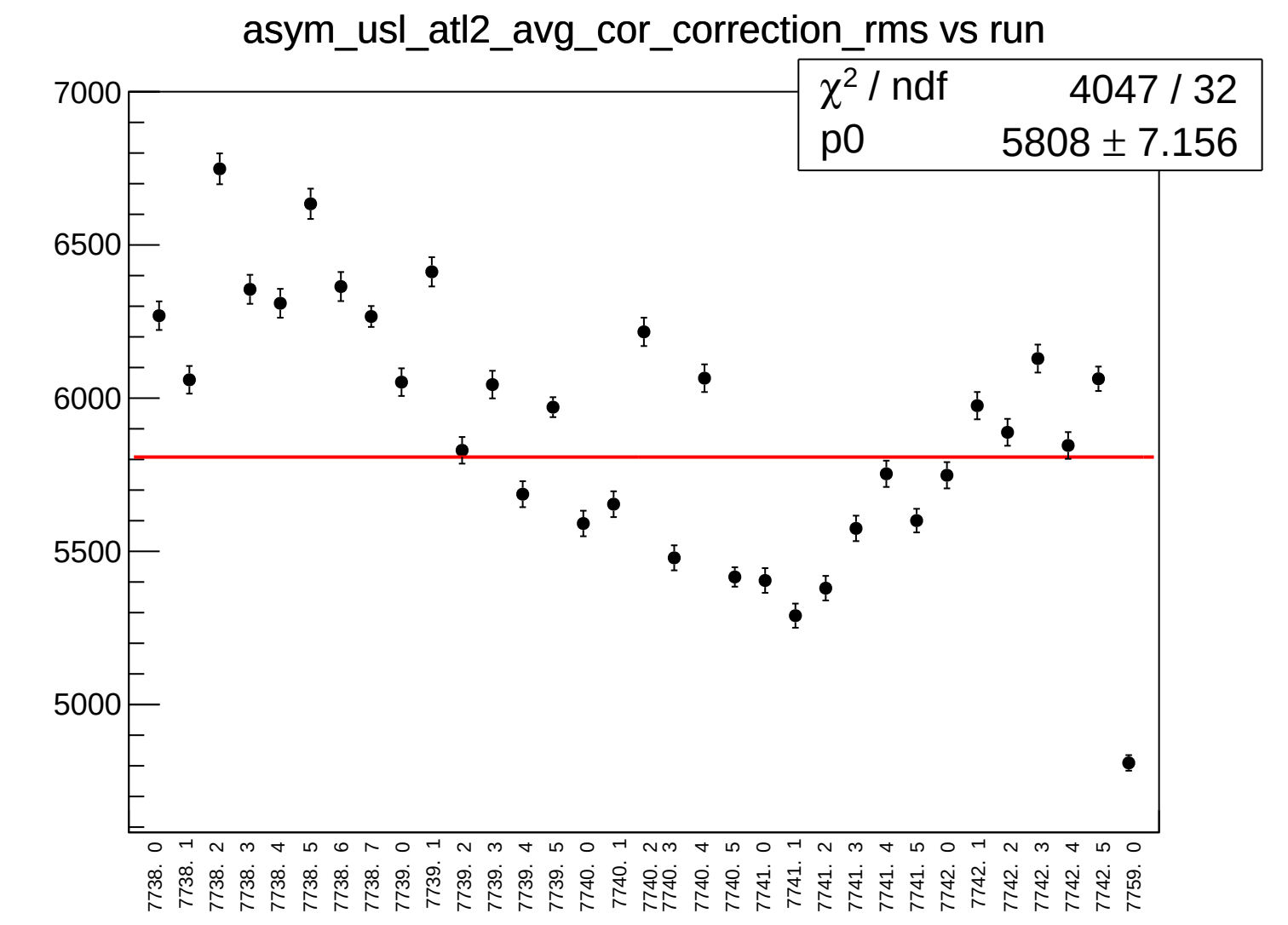

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 61.66 / 32
p0 −1059 ± 2526
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −88.61
Std Dev 0
2
1
0
−1
−2
−3

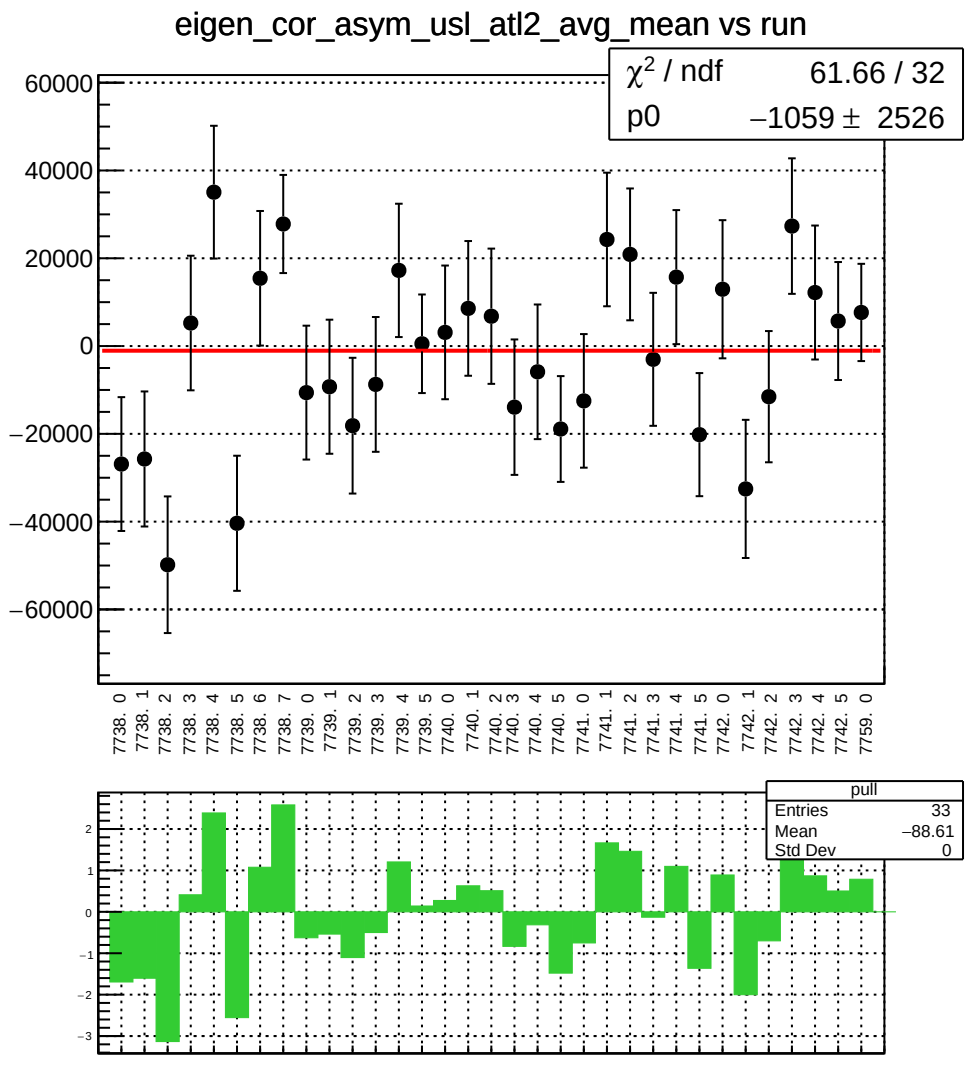

pull1D
Entries 33
Mean −0.03029
Std Dev 1.367
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

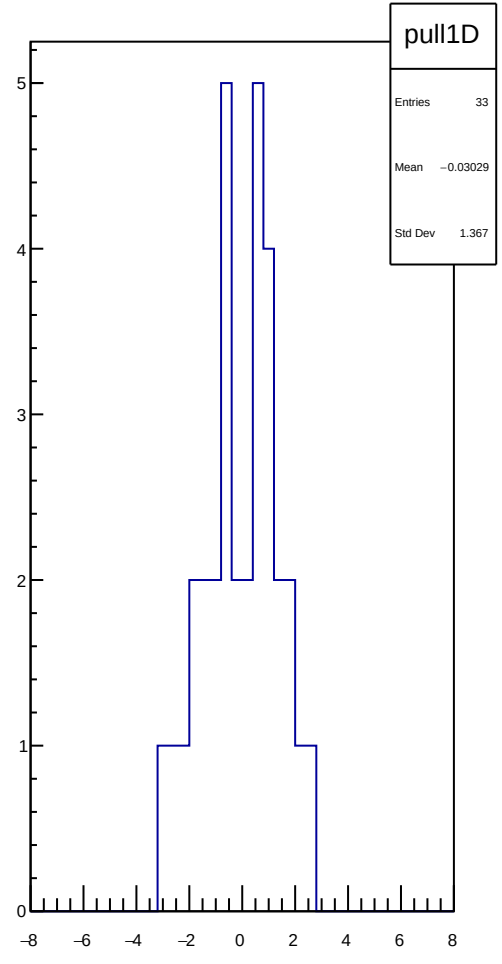

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 81.07 / 32
p0 1454 ± 1.786
1500
1480
1460
1440
1420
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

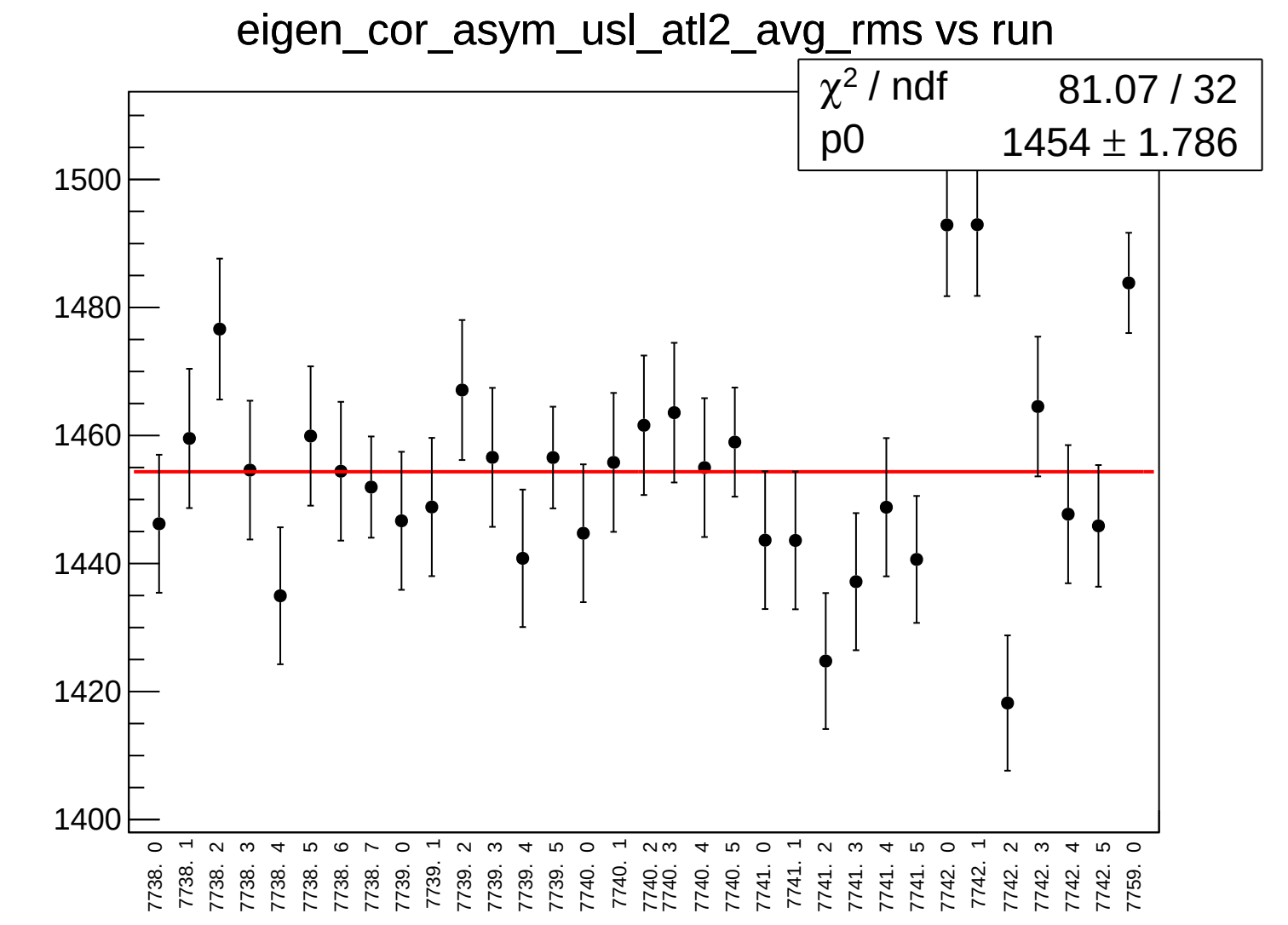

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.21 / 32
p0 −2076 ± 1.012e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

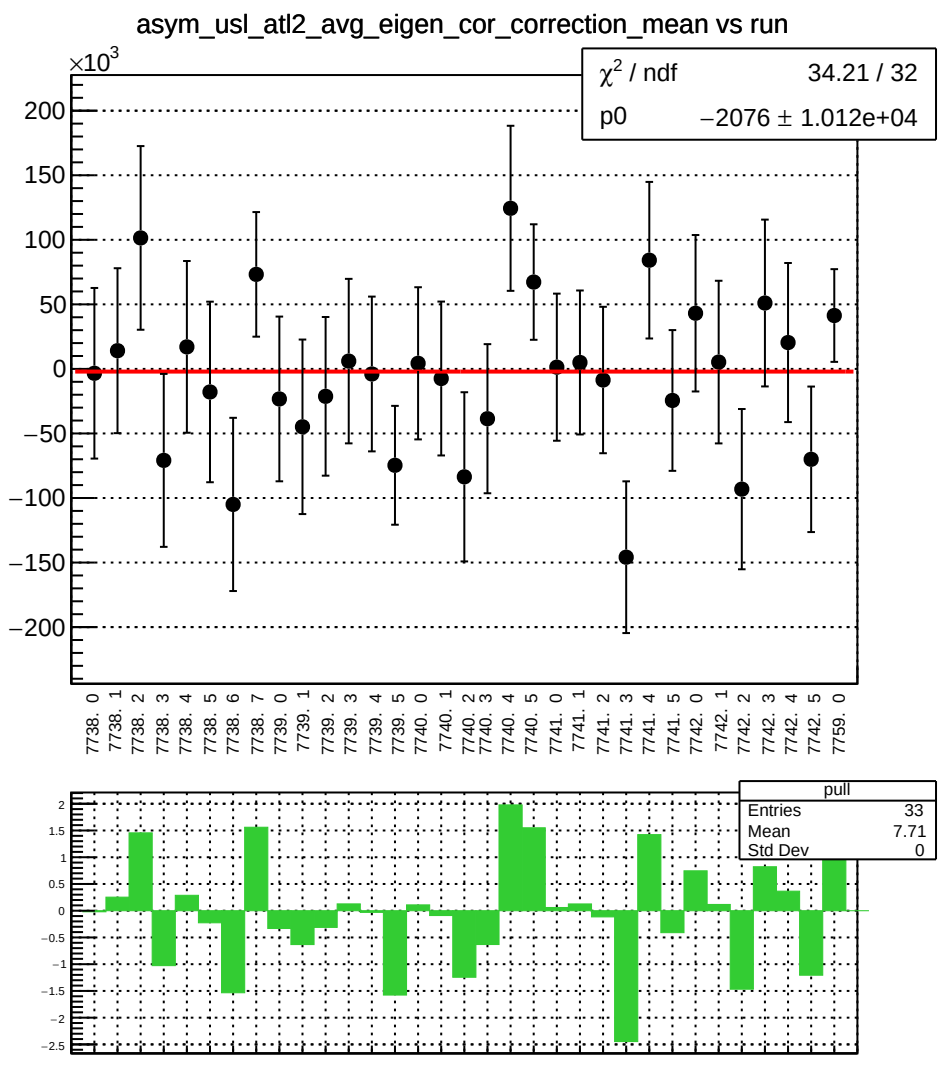

pull1D
Entries 33
Mean −0.03371
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

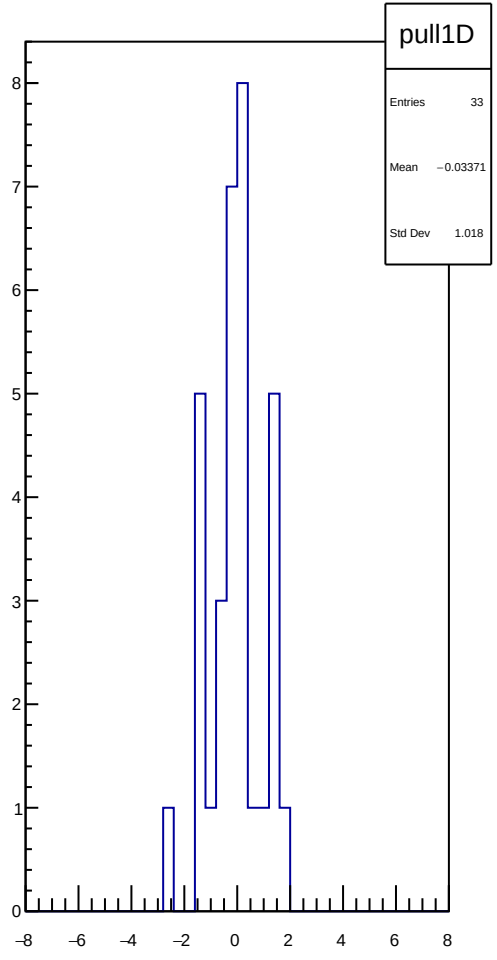

asym_usl_atl2_avg_cor_correction_rms vs run
χ^2 / ndf 4047 / 32
p0 5808 ± 7.156
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

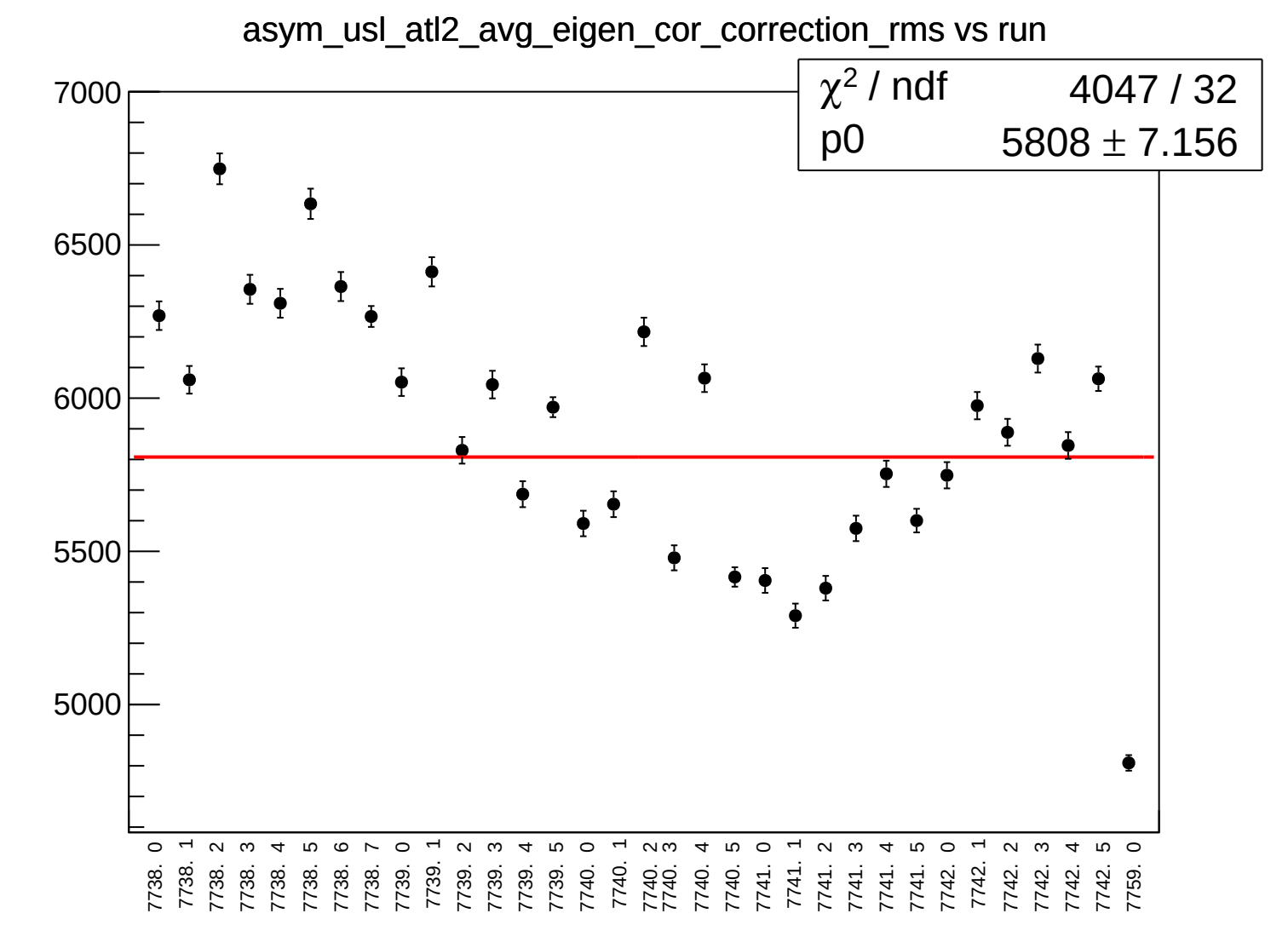

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 61.66 / 32
p0 −1059 ± 2526
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −88.61
Std Dev 0
2
1
0
−1
−2
−3

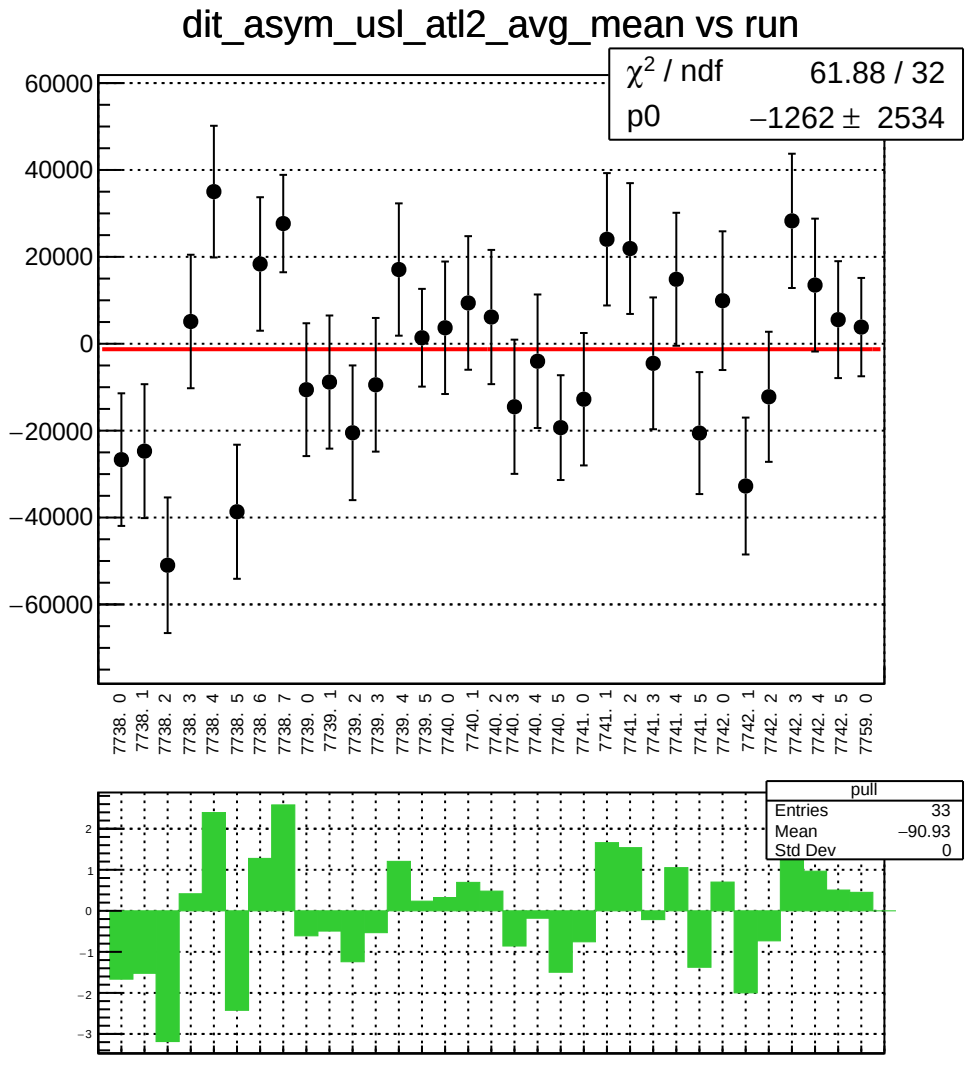

pull1D
Entries 33
Mean −0.03029
Std Dev 1.367
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

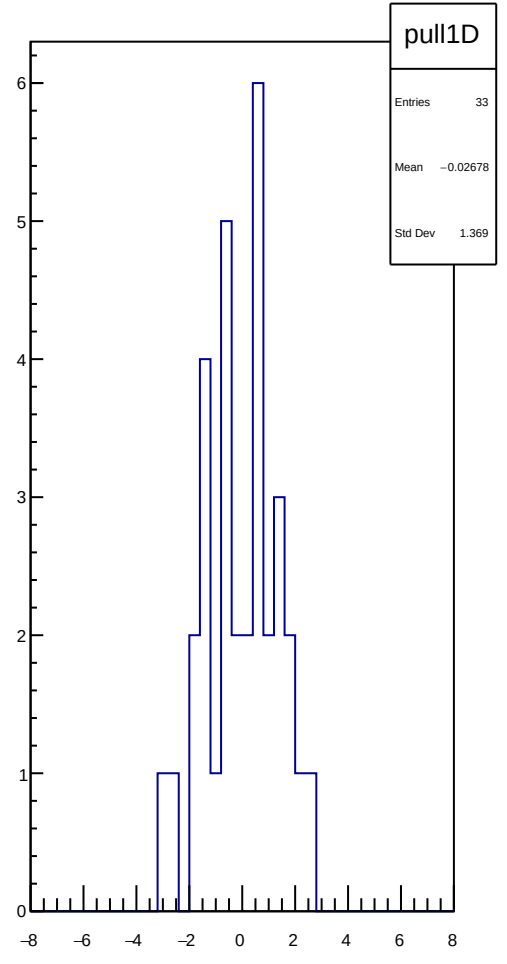

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 81.07 / 32
p0 1454 ± 1.786
1500
1480
1460
1440
1420
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

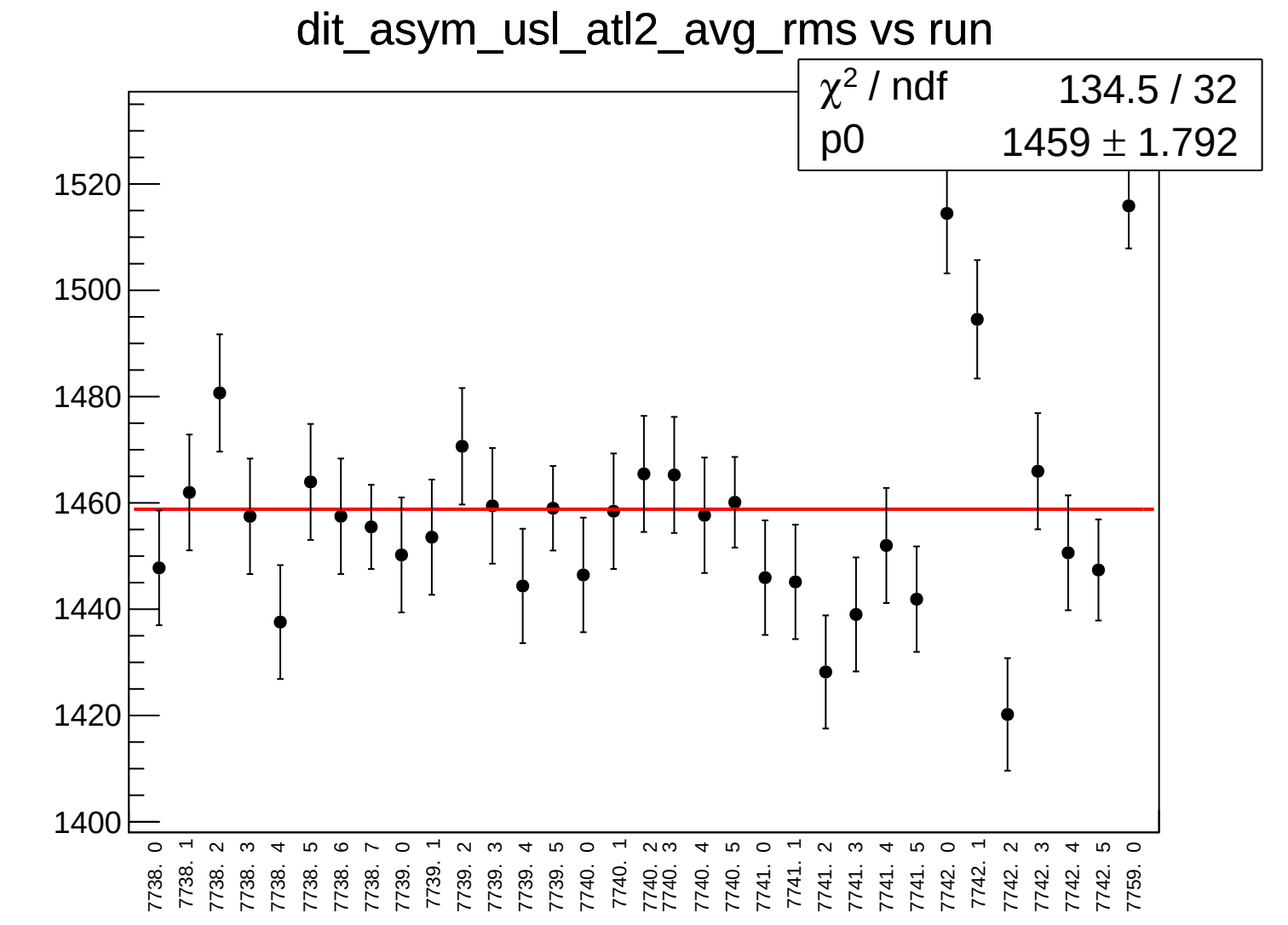

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.21 / 32
p0 −2076 ± 1.012e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

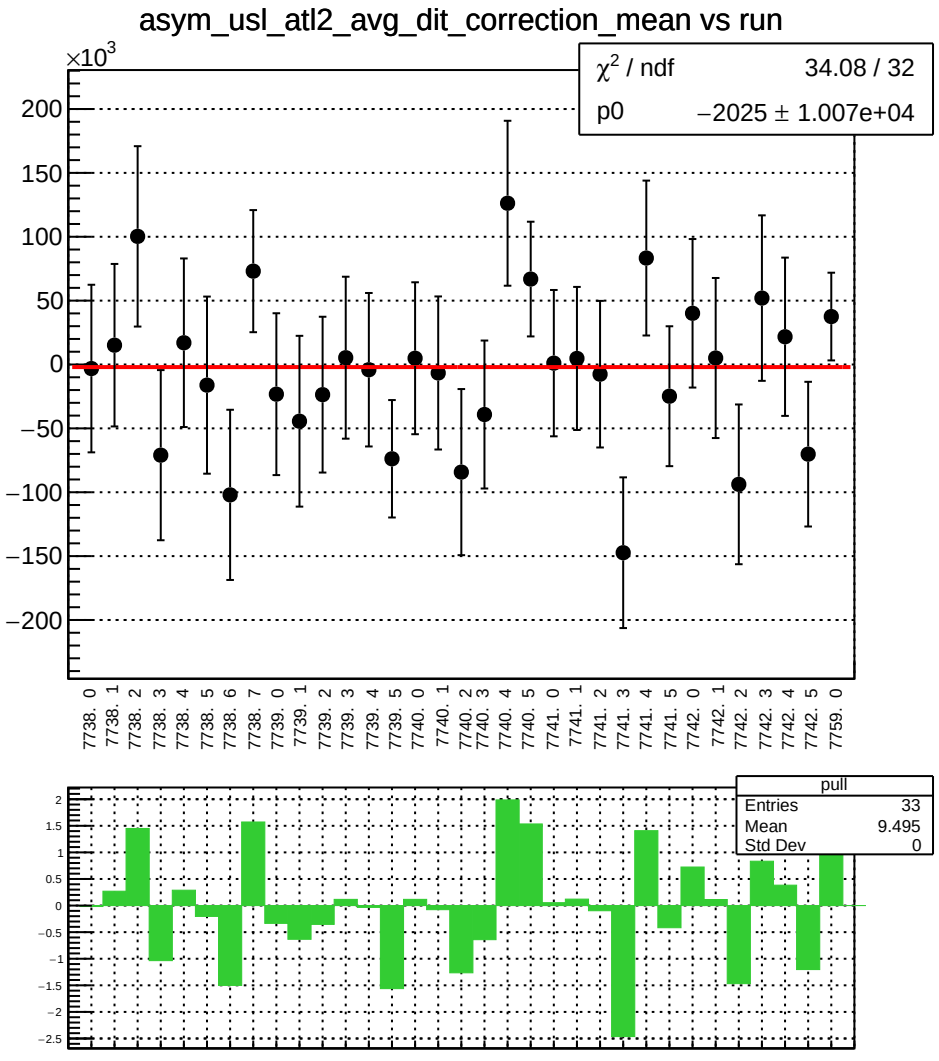

pull1D
Entries 33
Mean −0.03371
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

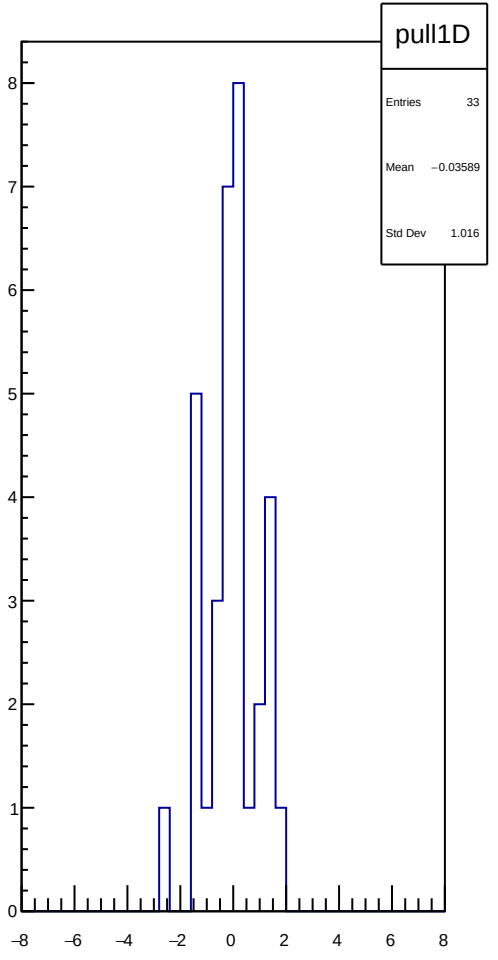

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4047 / 32
p0 5808 ± 7.156
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

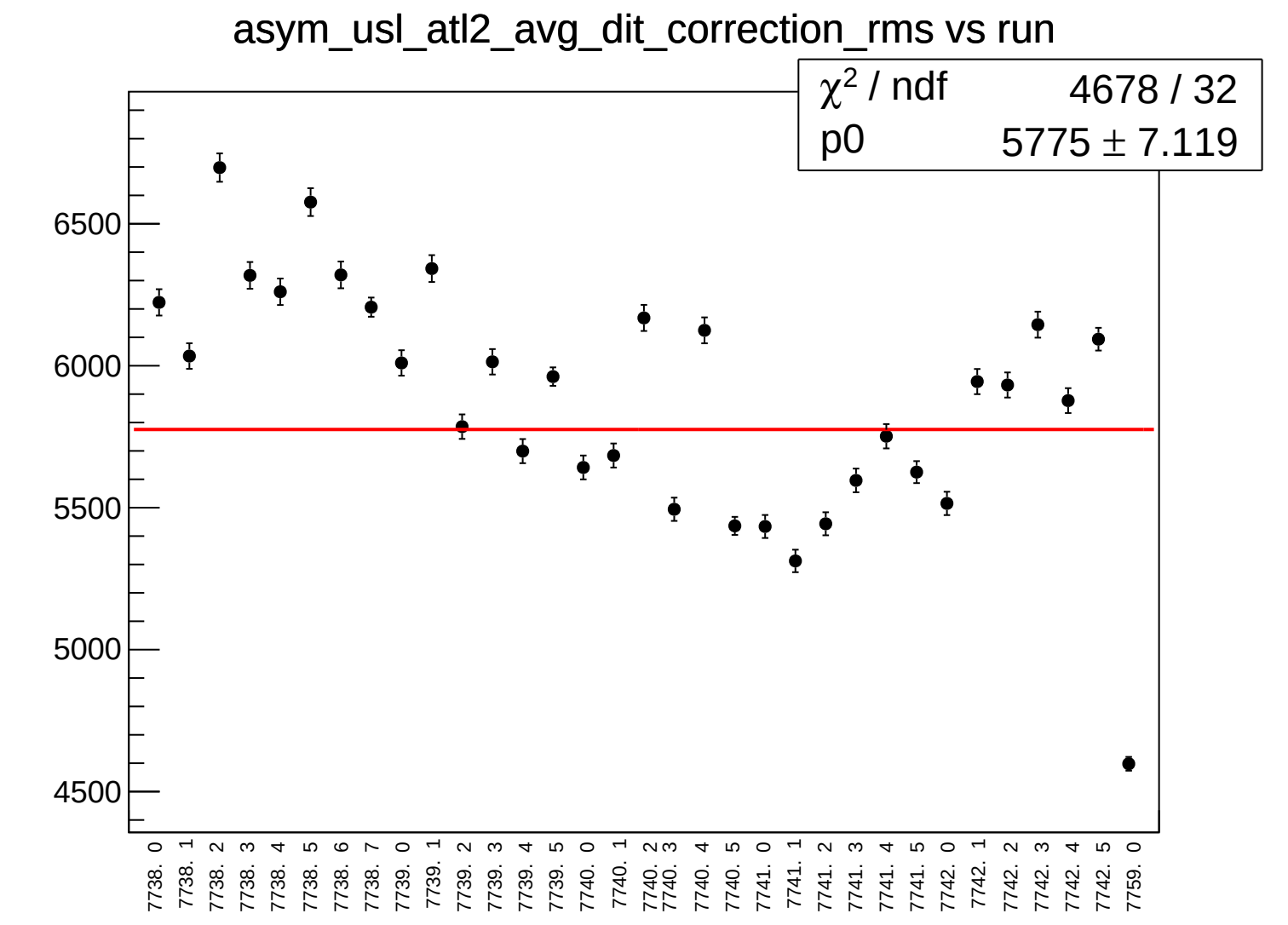

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 61.88 / 32
p0 −1262 ± 2534
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −90.93
Std Dev 0
2
1
0
−1
−2
−3

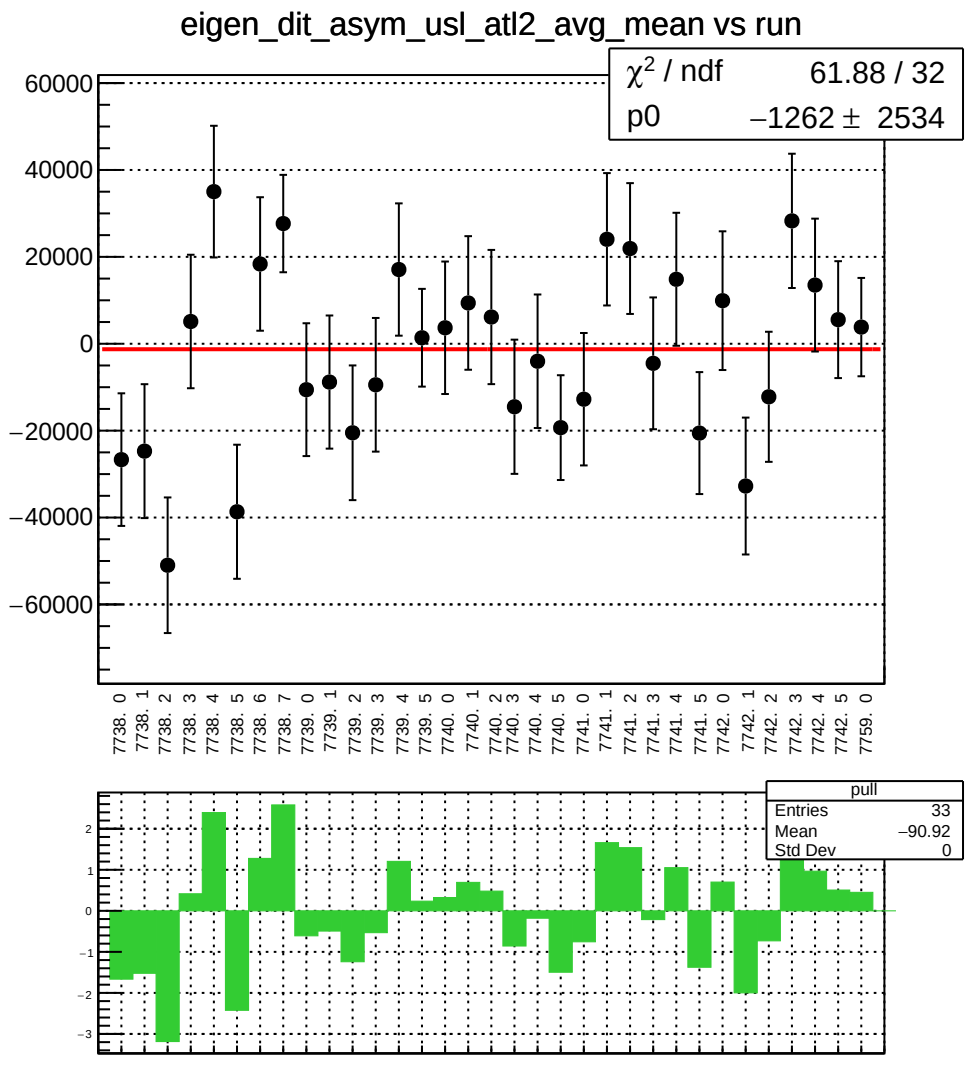

pull1D
Entries 33
Mean −0.02678
Std Dev 1.369
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

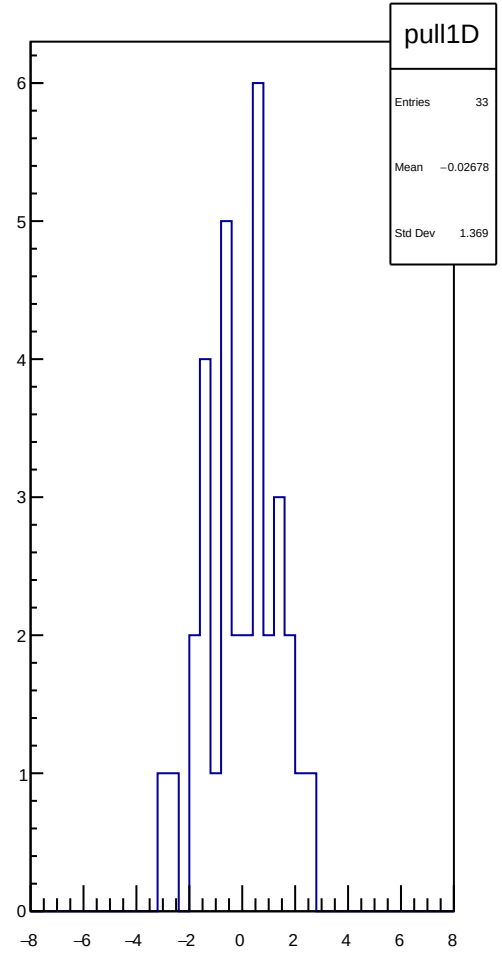

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 134.5 / 32
p0 1459 ± 1.792
1520
1500
1480
1460
1440
1420
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

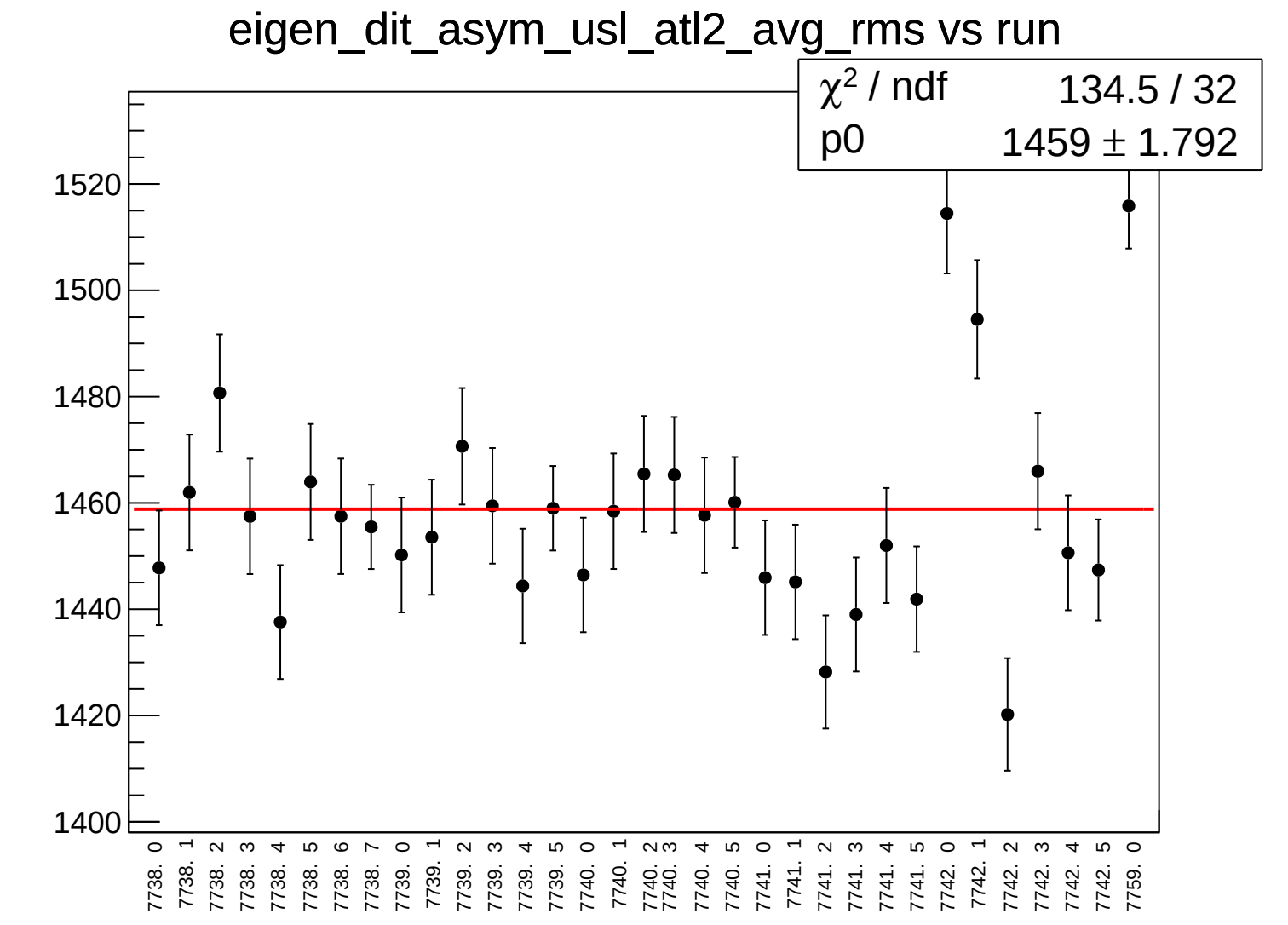

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.08 / 32
p0 −2025 ± 1.007e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.495
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

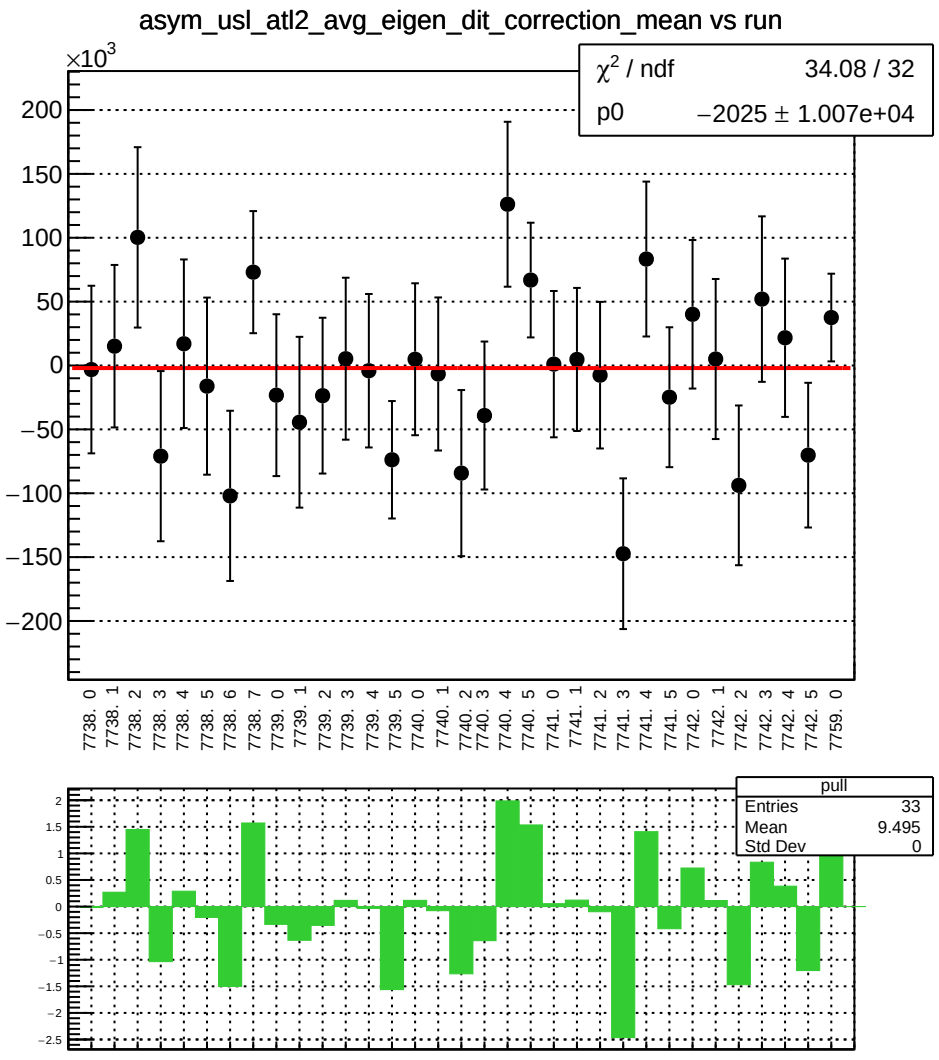

pull1D
Entries 33
Mean −0.03589
Std Dev 1.016
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

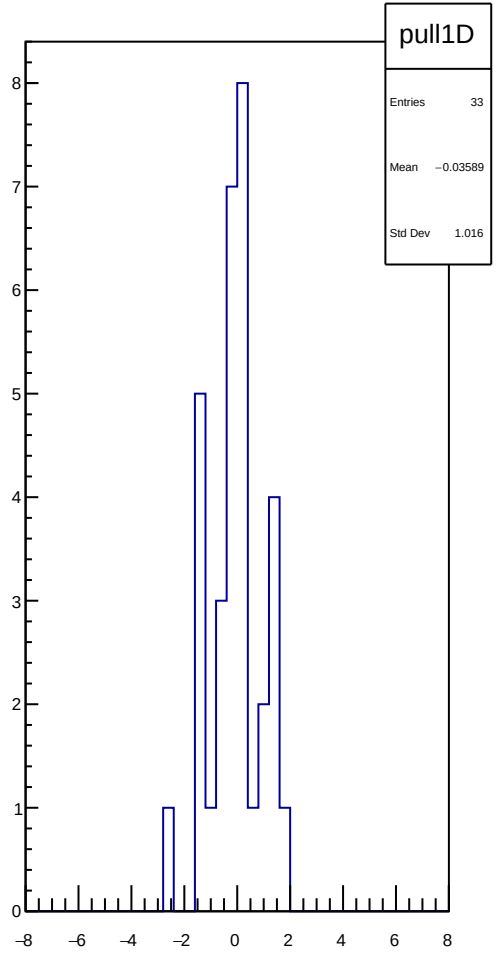

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 4678 / 32
p0 5775 ± 7.119
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

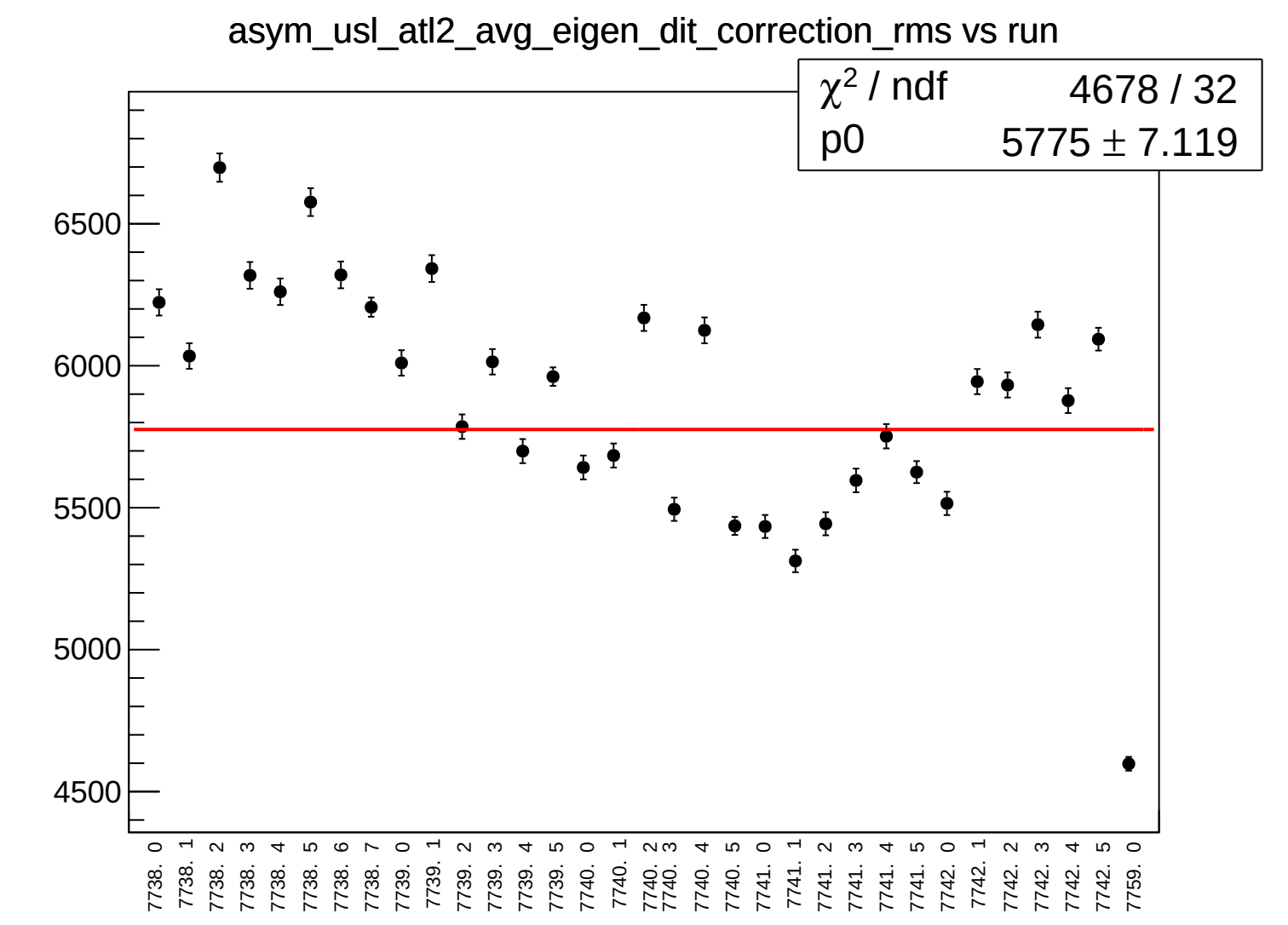

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 61.88 / 32
p0 −1262 ± 2534
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −90.92
Std Dev 0
2
1
0
−1
−2
−3

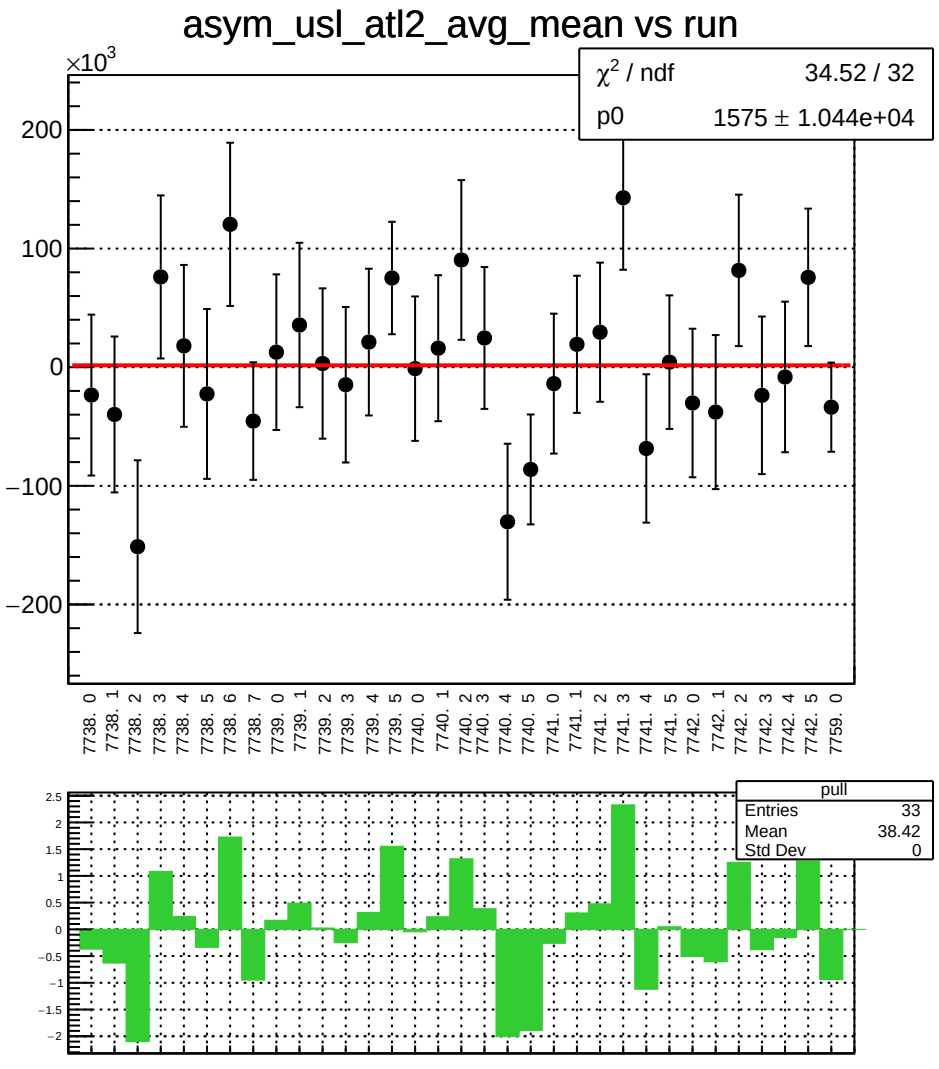

pull1D
Entries 33
Mean −0.02678
Std Dev 1.369
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

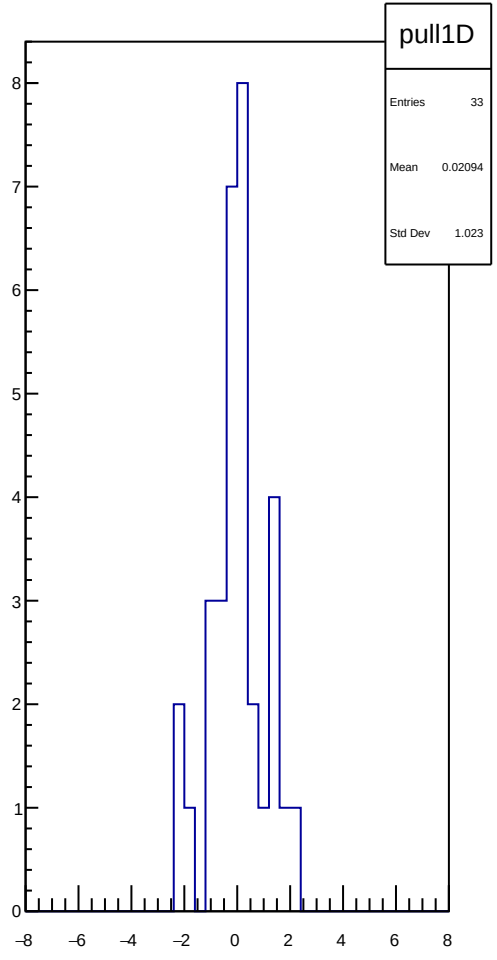

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 134.5 / 32
p0 1459 ± 1.792
1520
1500
1480
1460
1440
1420
1400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0


asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.08 / 32
p0 −2025 ± 1.007e+04
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.495
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean −0.03589
Std Dev 1.016
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4678 / 32
p0 5775 ± 7.119
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 34.52 / 32
p0 1575 ± 1.044e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.02094
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
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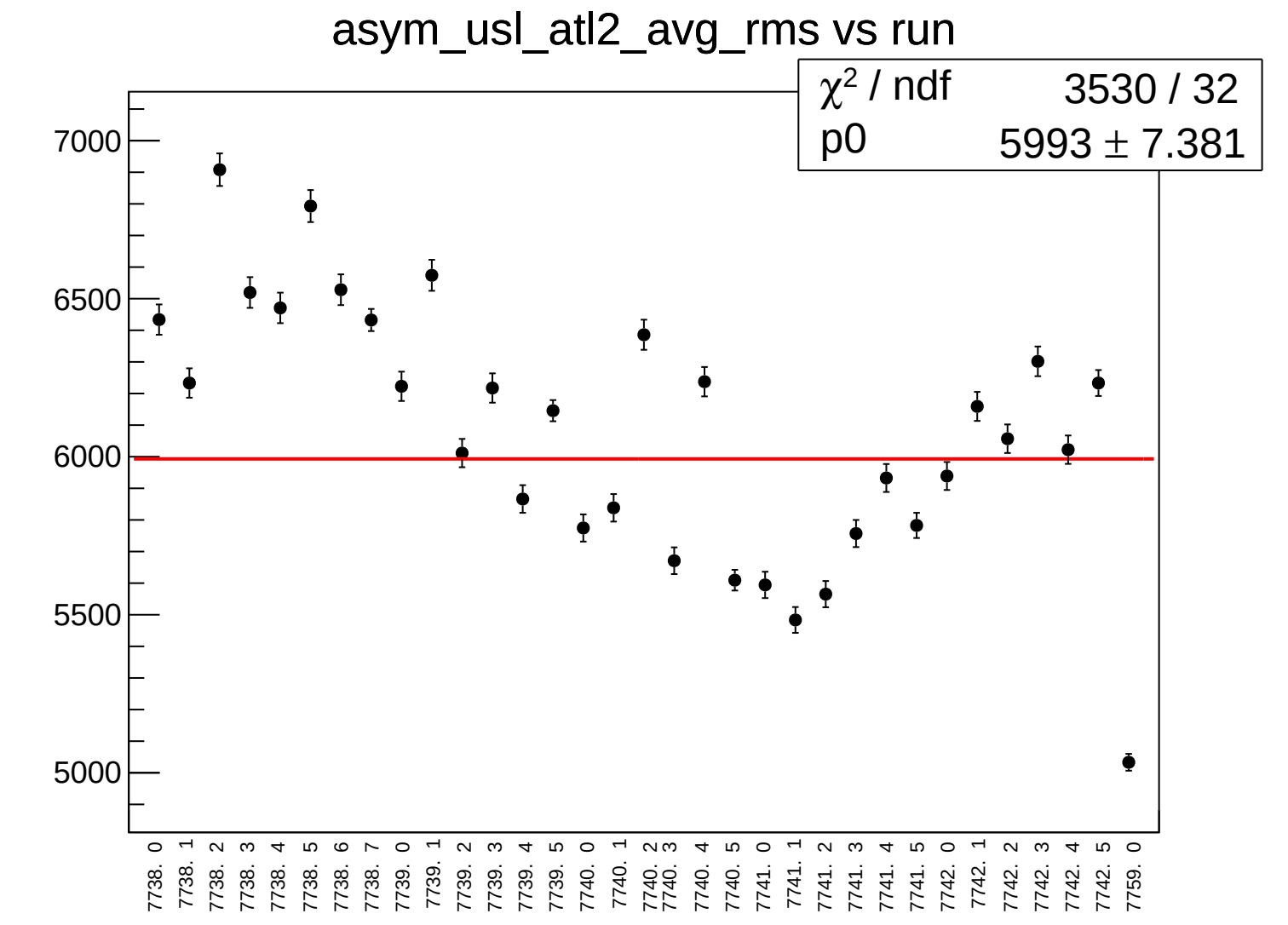
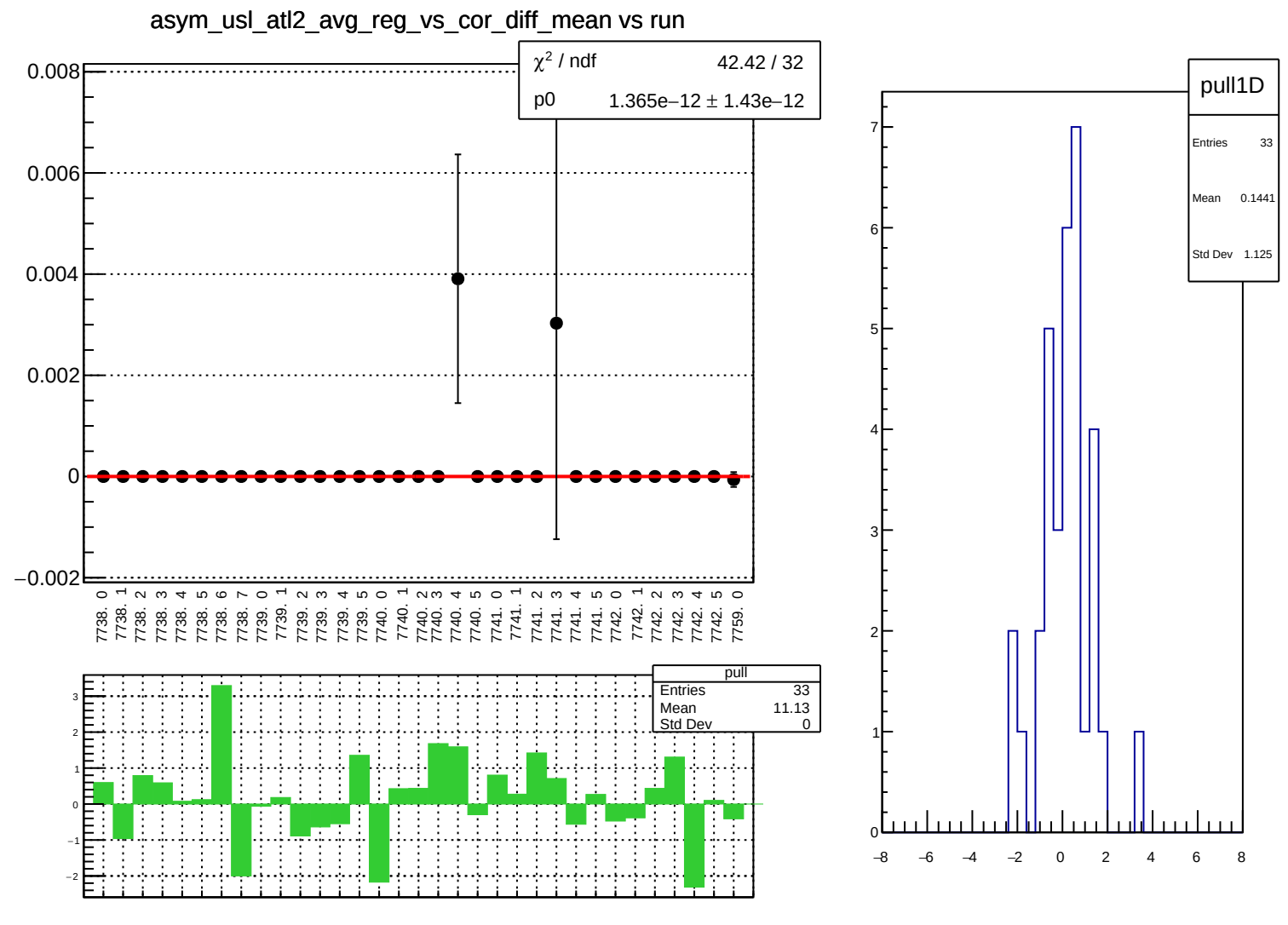
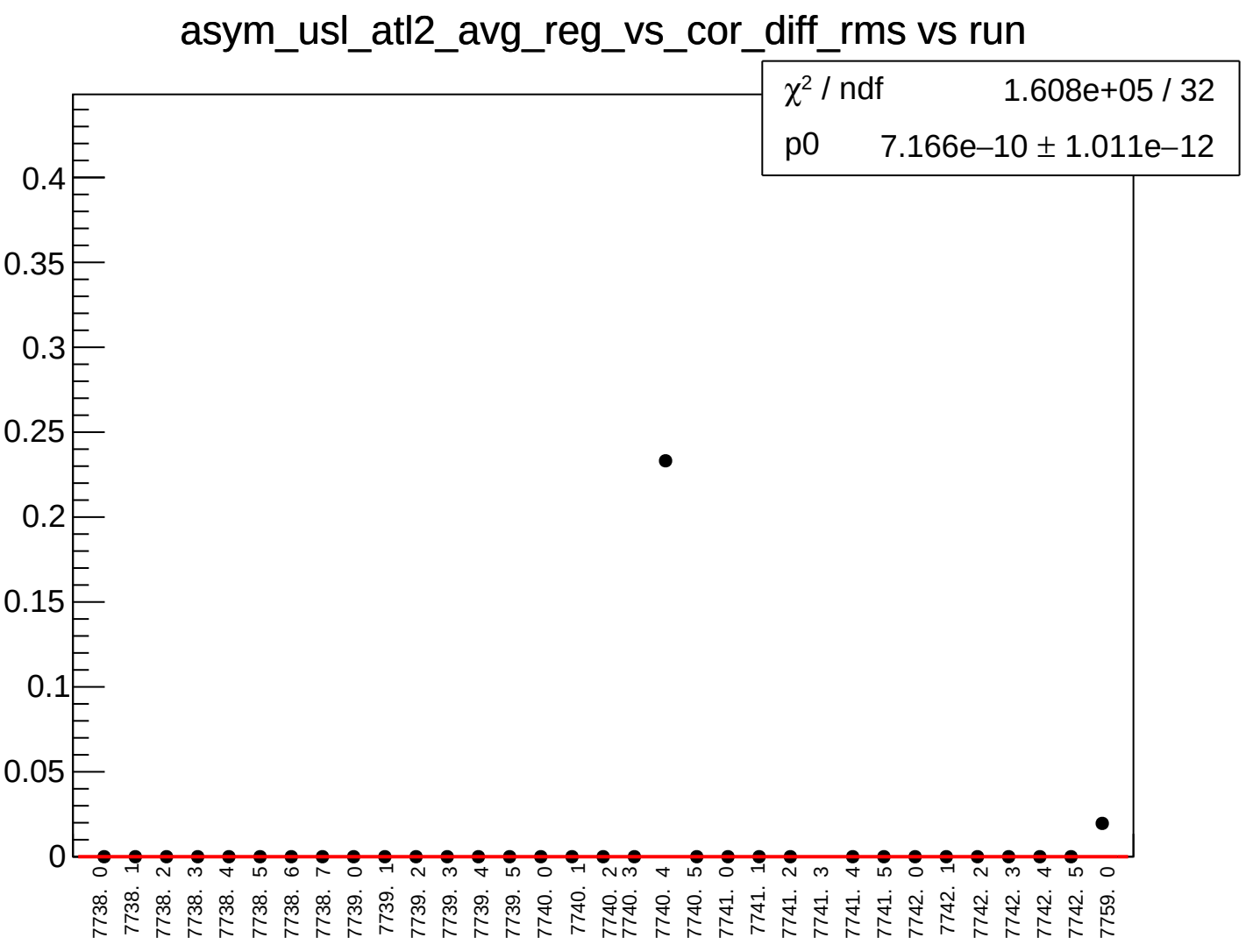
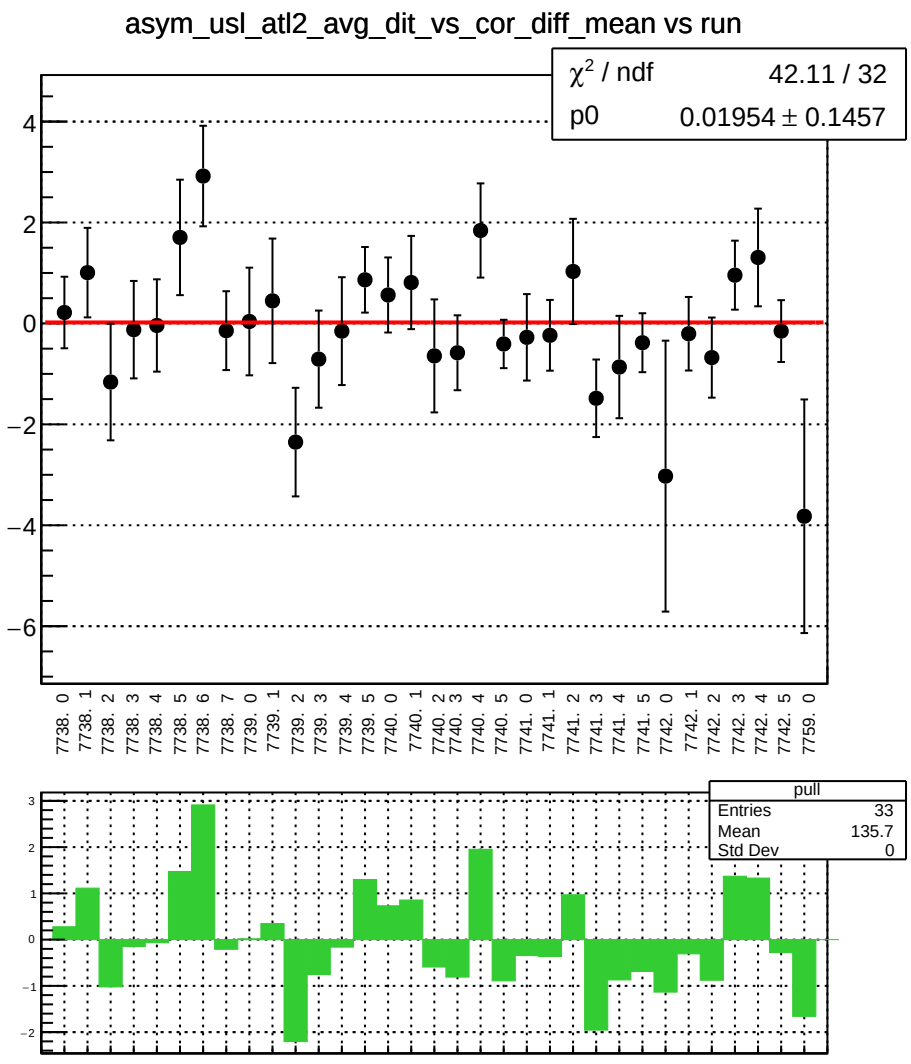
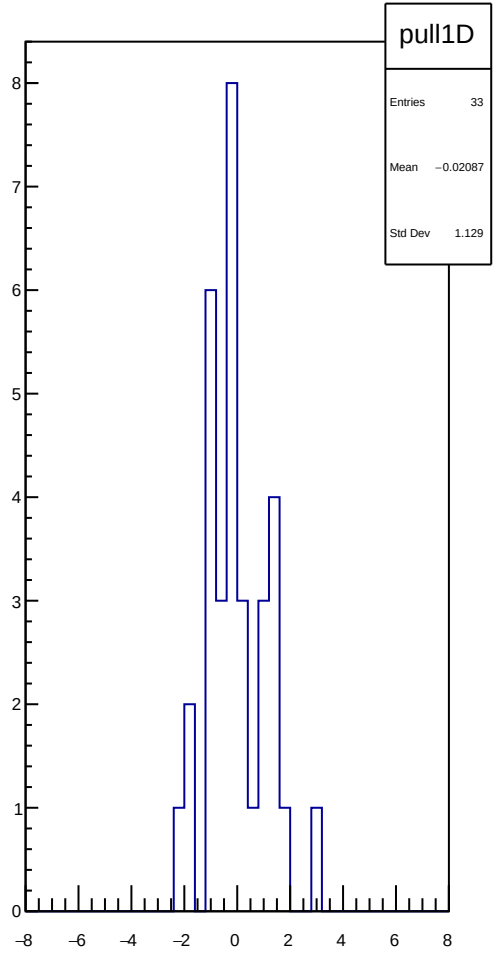
0
2
4
6
8

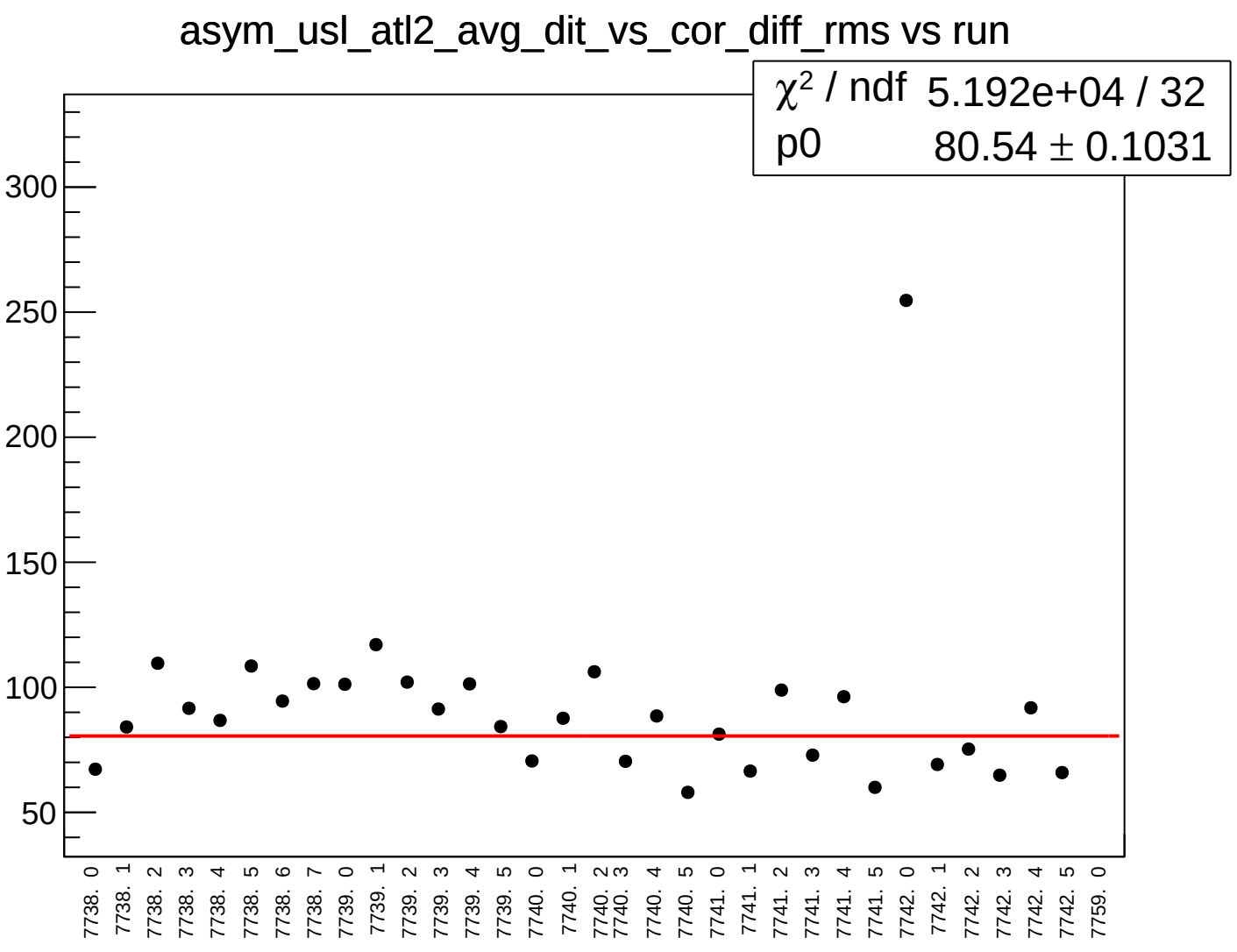

asym_usl_atl2_avg_rms vs run
χ² / ndf 3530 / 32
p0 5993 ± 7.381
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

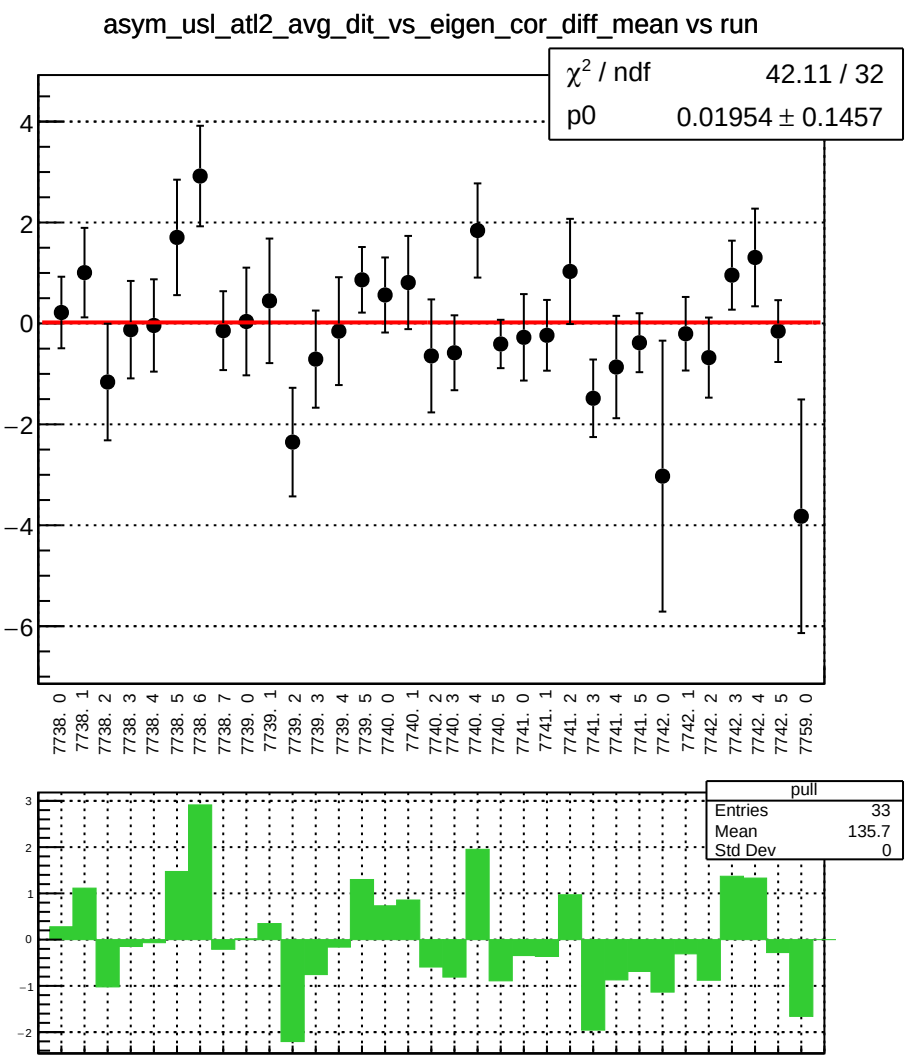

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.42 / 32
p0 1.365e−12 ± 1.43e−12
0.008
0.006
0.004
0.002
0
−0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 11.13
Std Dev 0
pull1D
Entries 33
Mean 0.1441
Std Dev 1.125

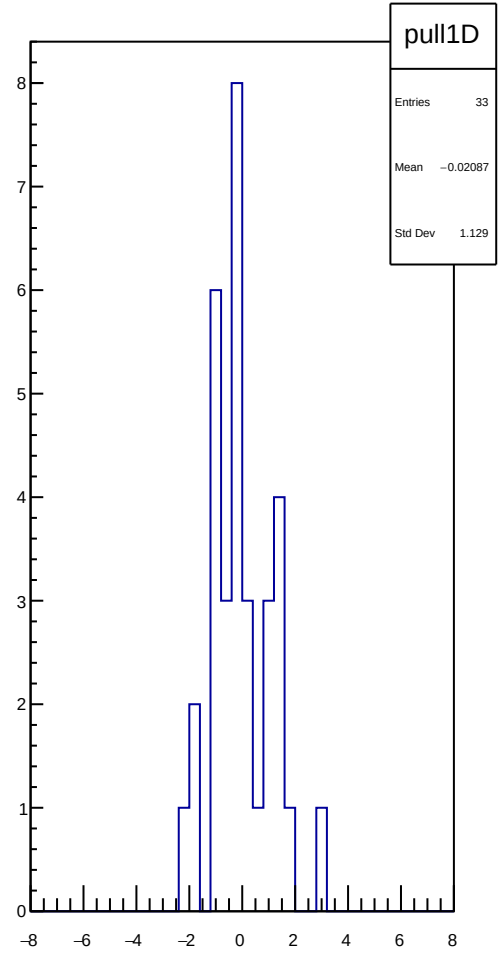

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.608e+05 / 32
p0 7.166e−10 ± 1.011e−12
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

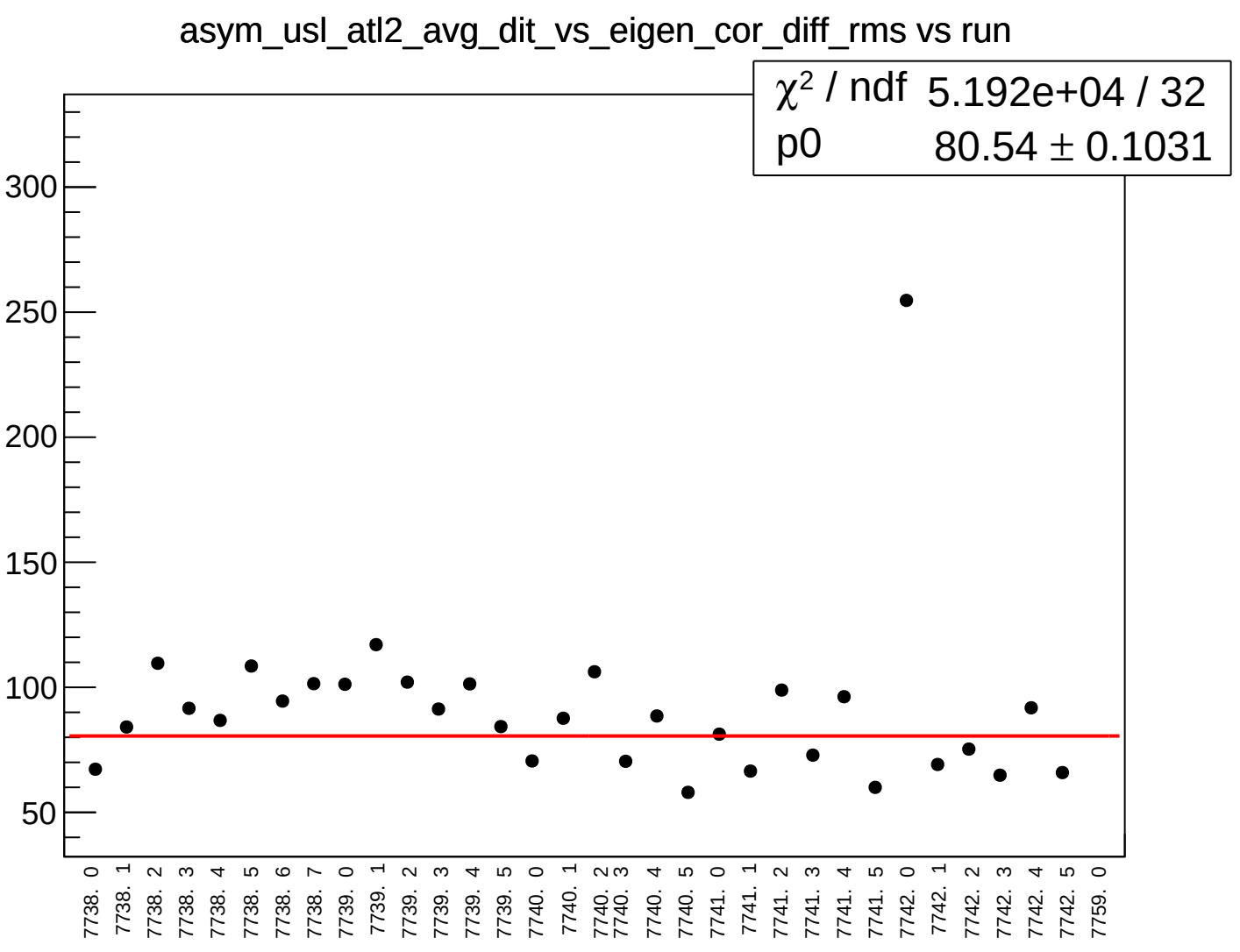

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.11 / 32
p0 0.01954 ± 0.1457
pull
Entries 33
Mean 135.7
Std Dev 0

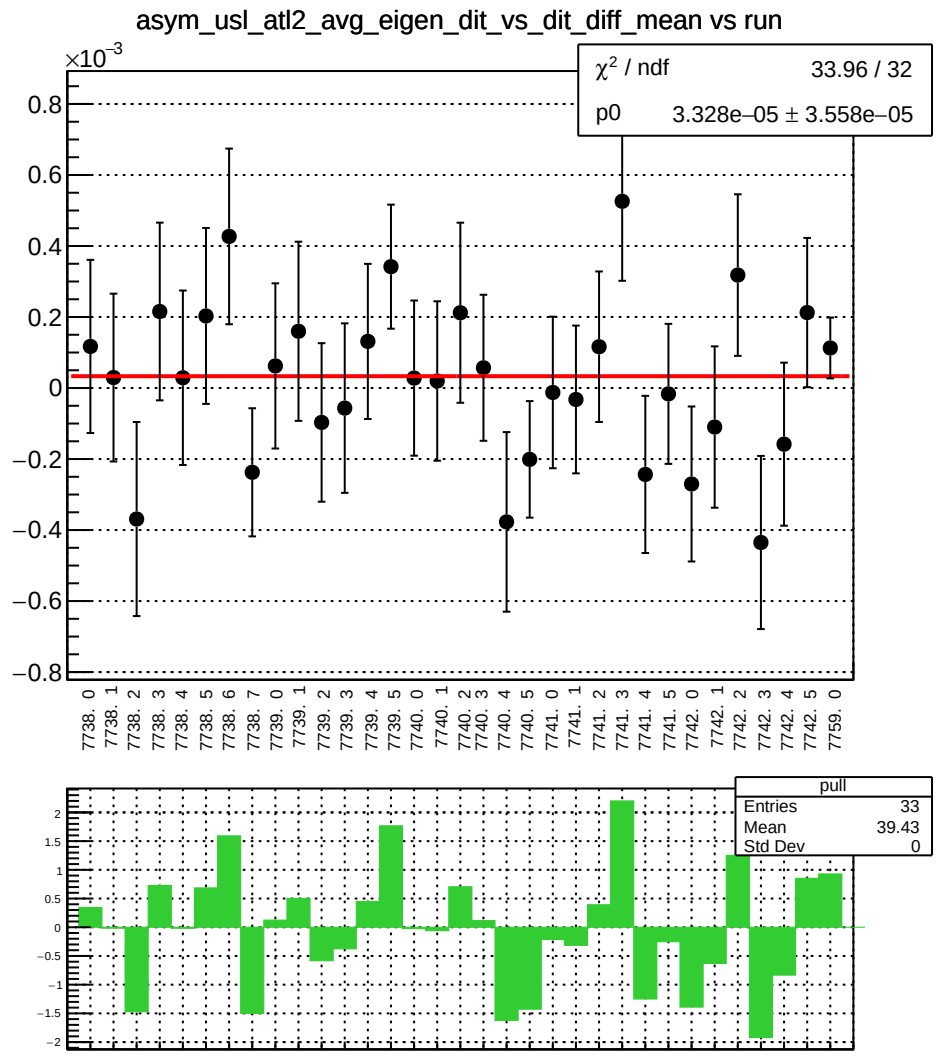

pull1D
Entries 33
Mean −0.02087
Std Dev 1.129

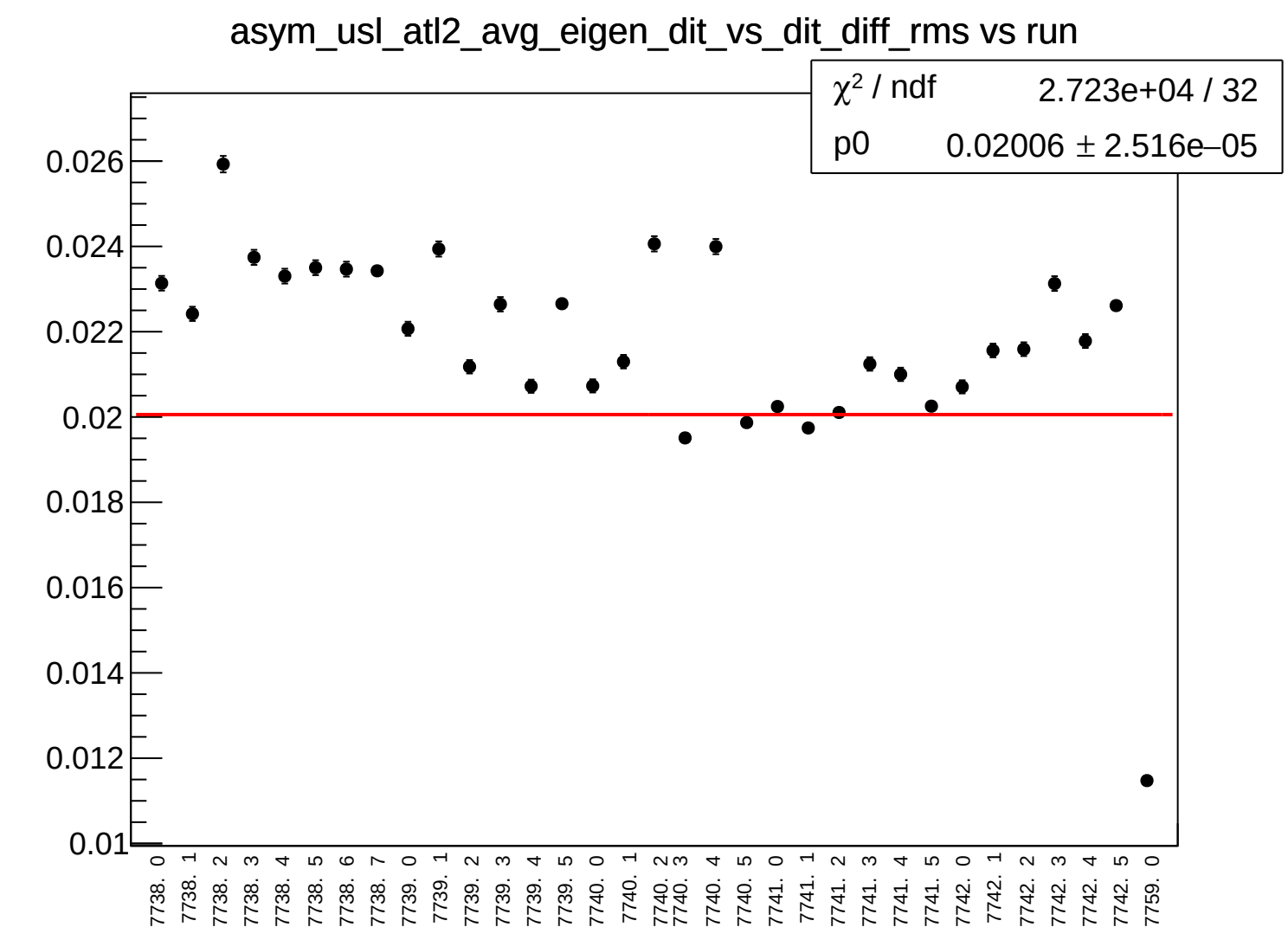

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.192e+04 / 32
p0 80.54 ± 0.1031
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

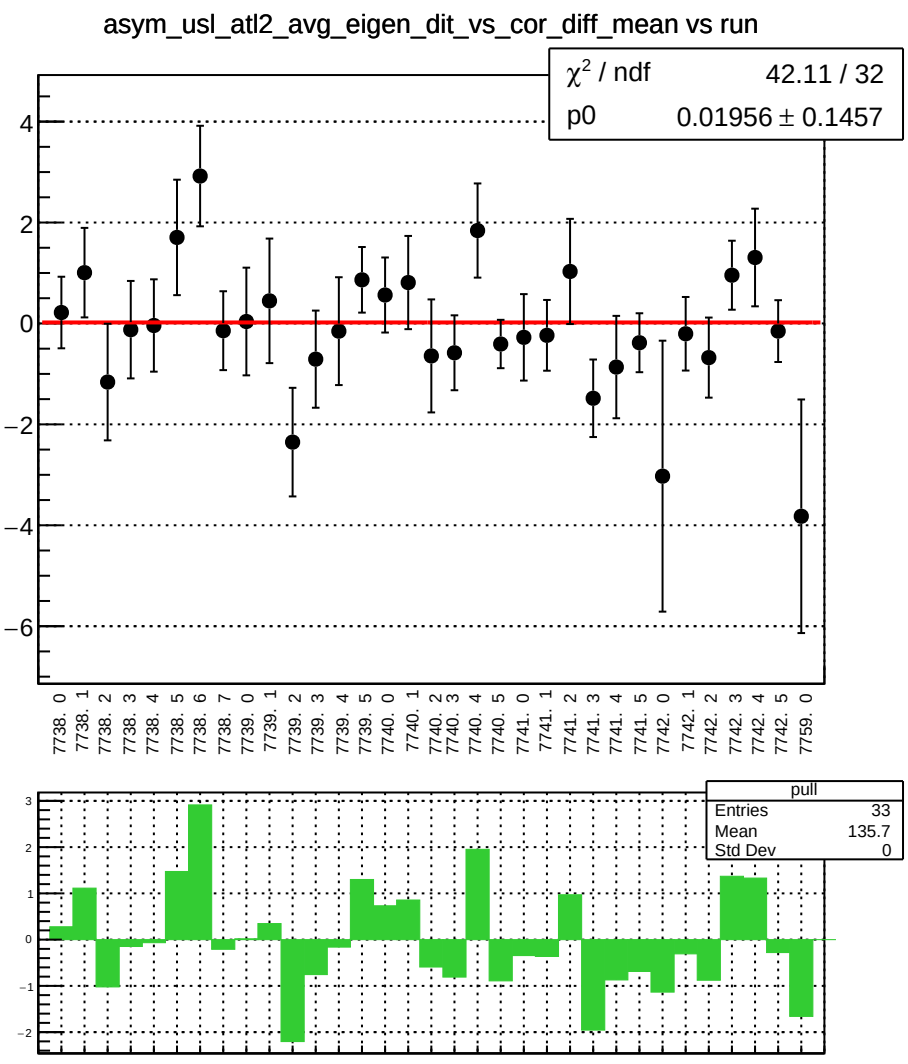

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.11 / 32
p0 0.01954 ± 0.1457
pull
Entries 33
Mean 135.7
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

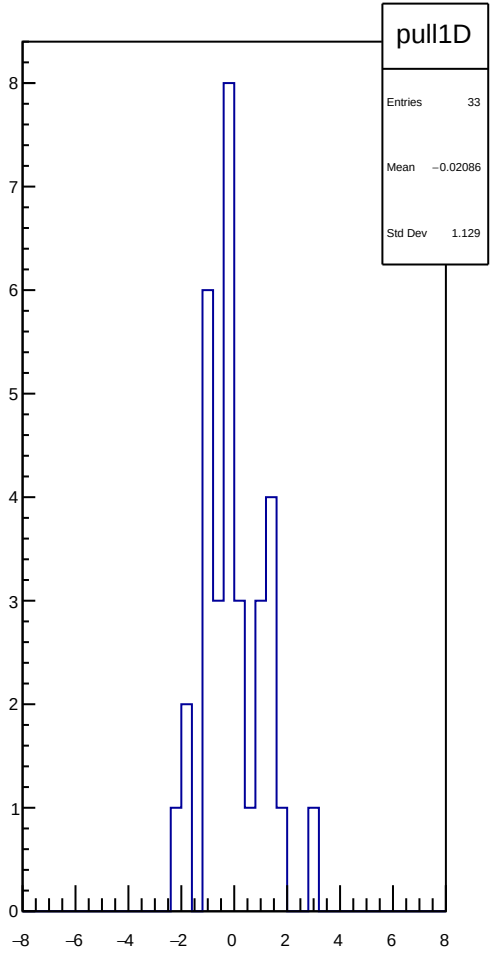

pull1D
Entries 33
Mean −0.02087
Std Dev 1.129

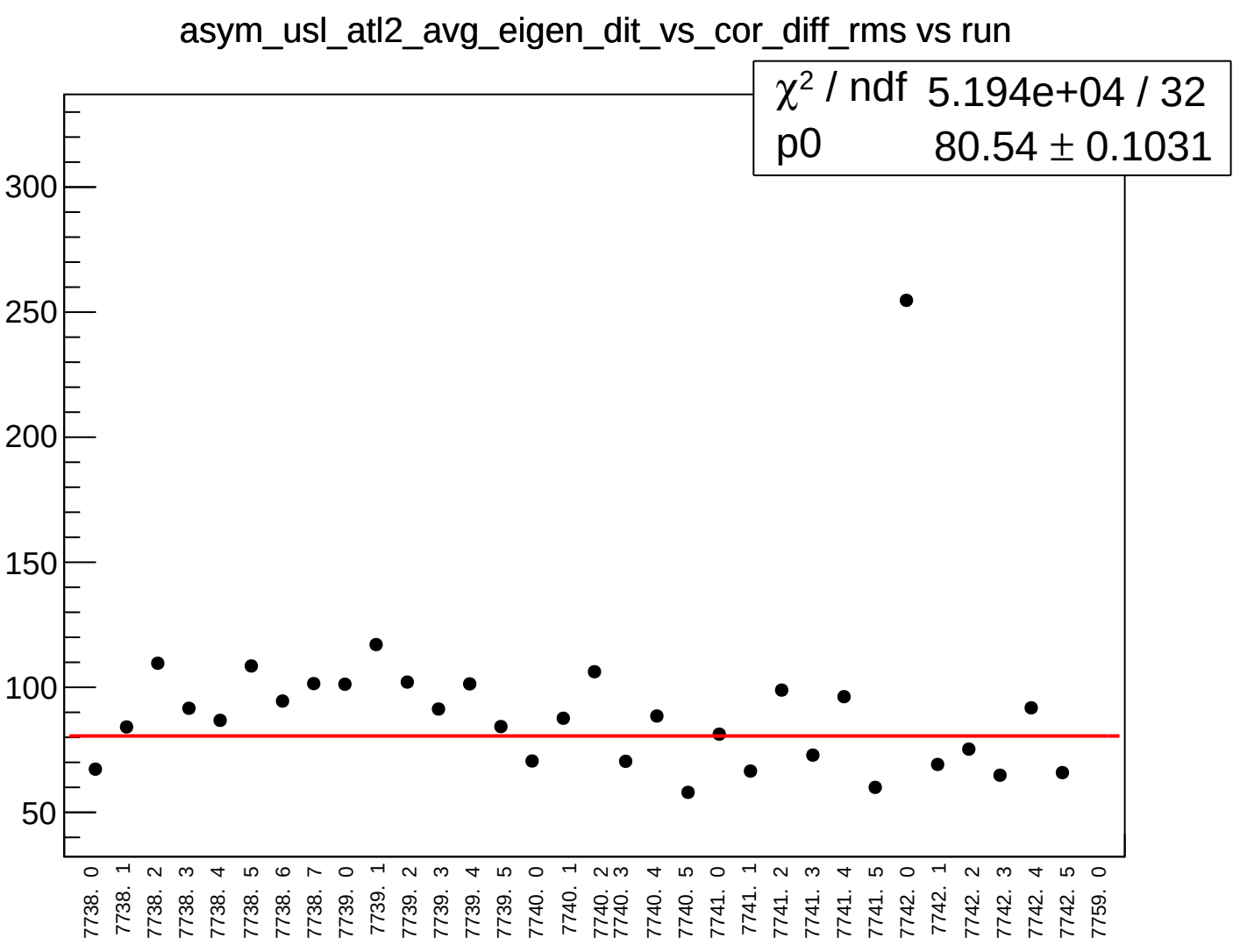

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.192e+04 / 32
p0 80.54 ± 0.1031
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

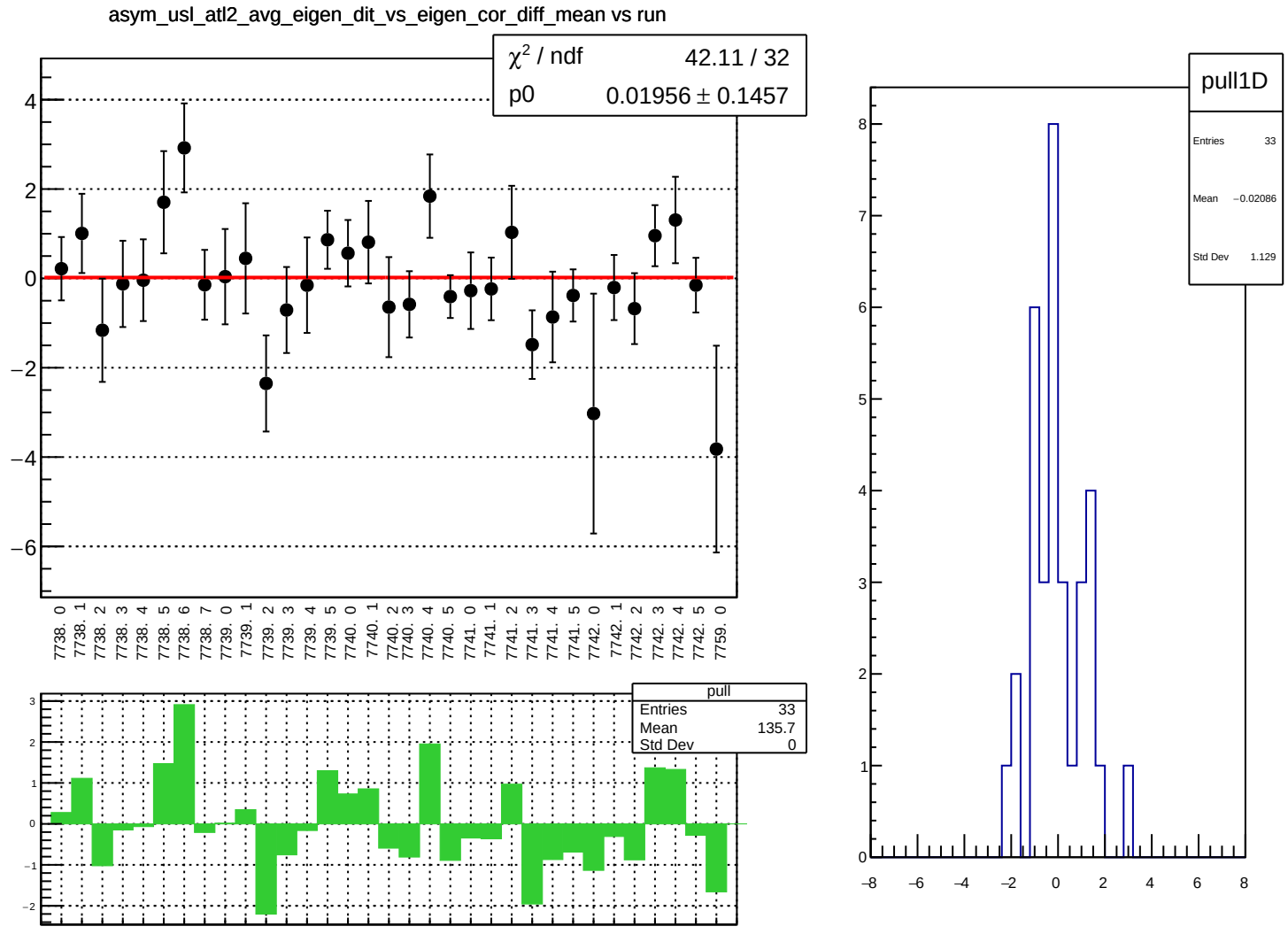

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.96 / 32
p0 3.328e−05 ± 3.558e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.03851
Std Dev 1.014
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

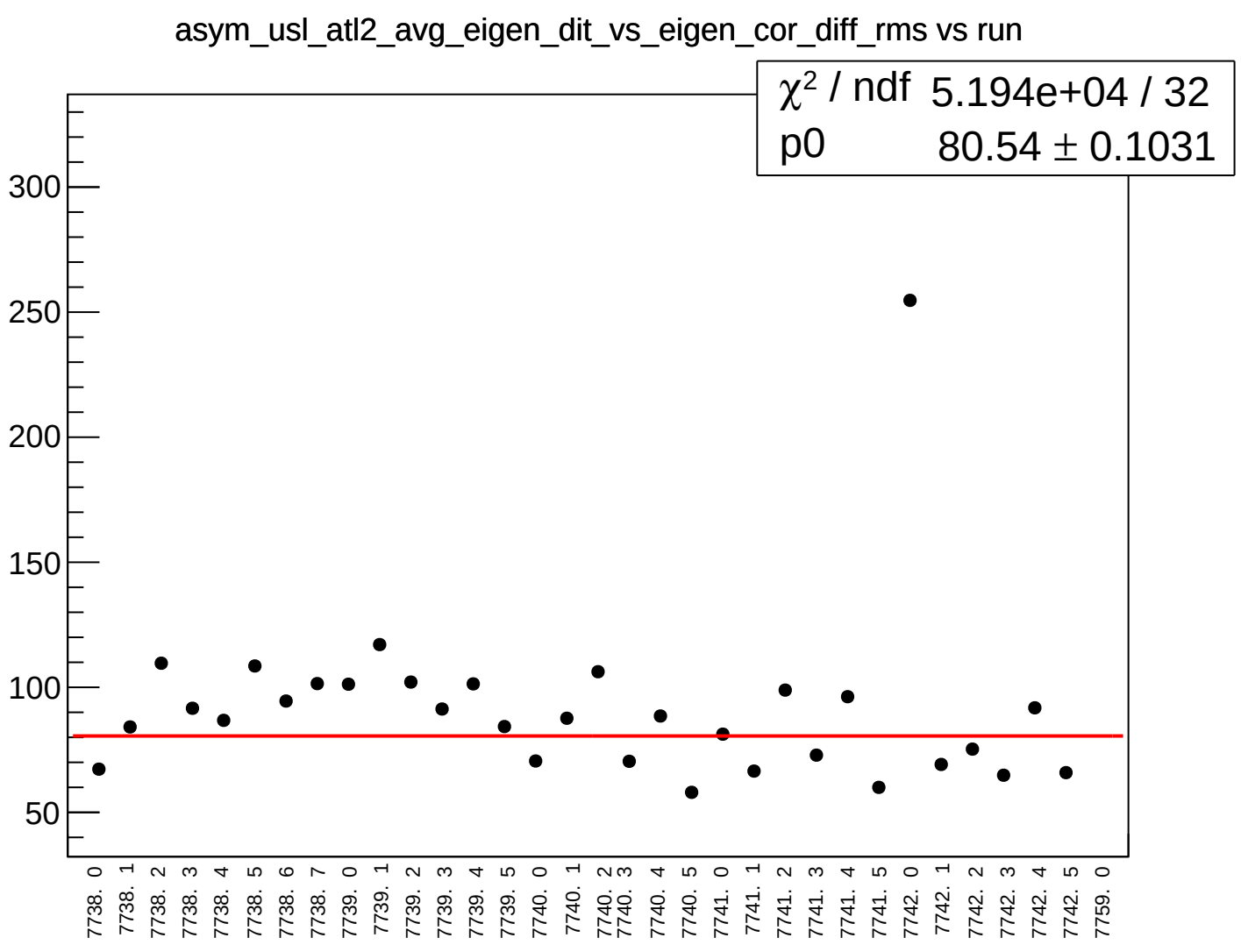

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.723e+04 / 32
p0 0.02006 ± 2.516e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

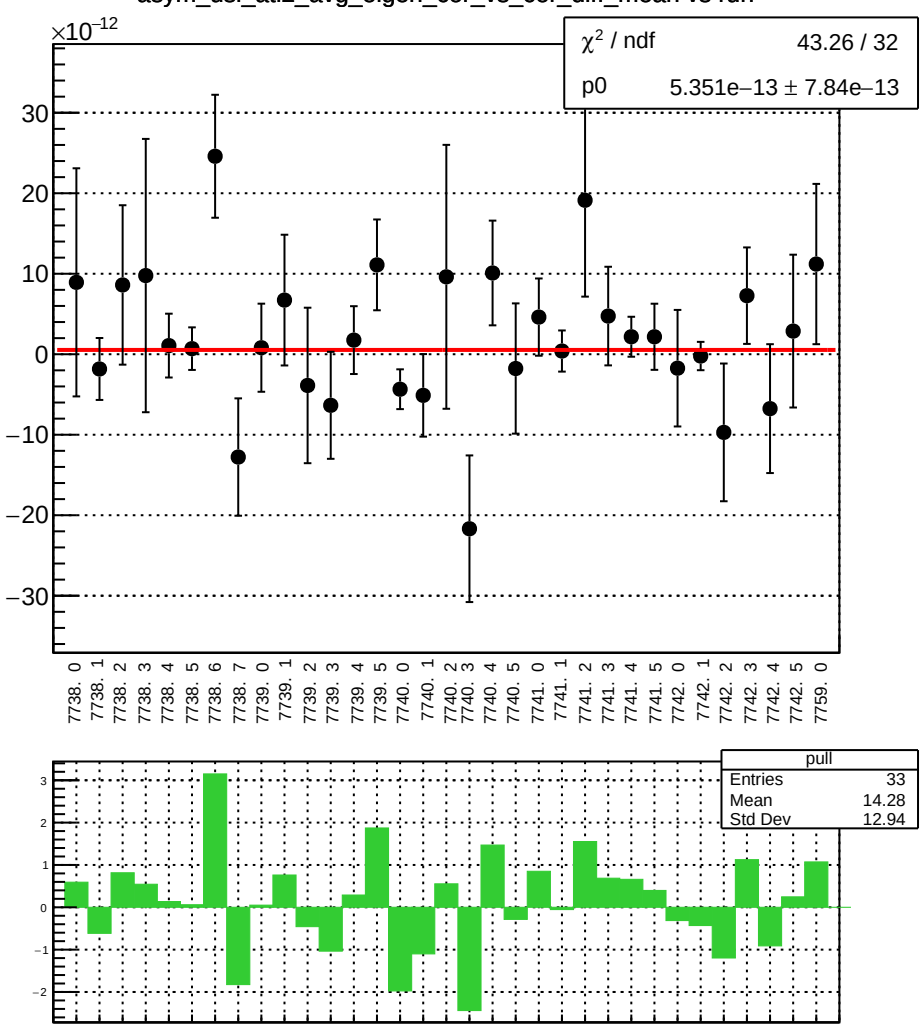

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.11 / 32
p0 0.01956 ± 0.1457
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 135.7
Std Dev 0
3
2
1
0
−1
−2

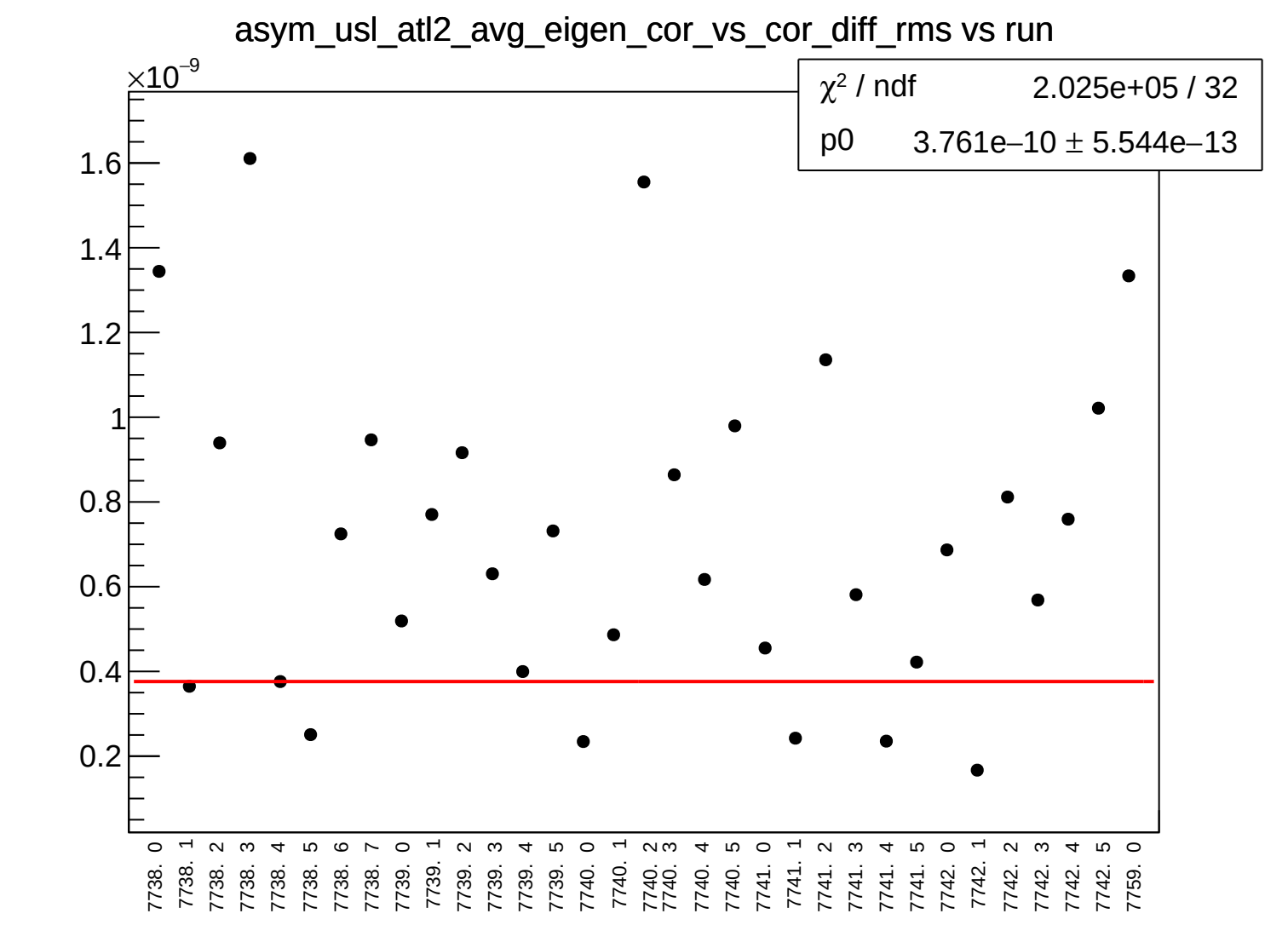

pull1D
Entries 33
Mean −0.02086
Std Dev 1.129
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

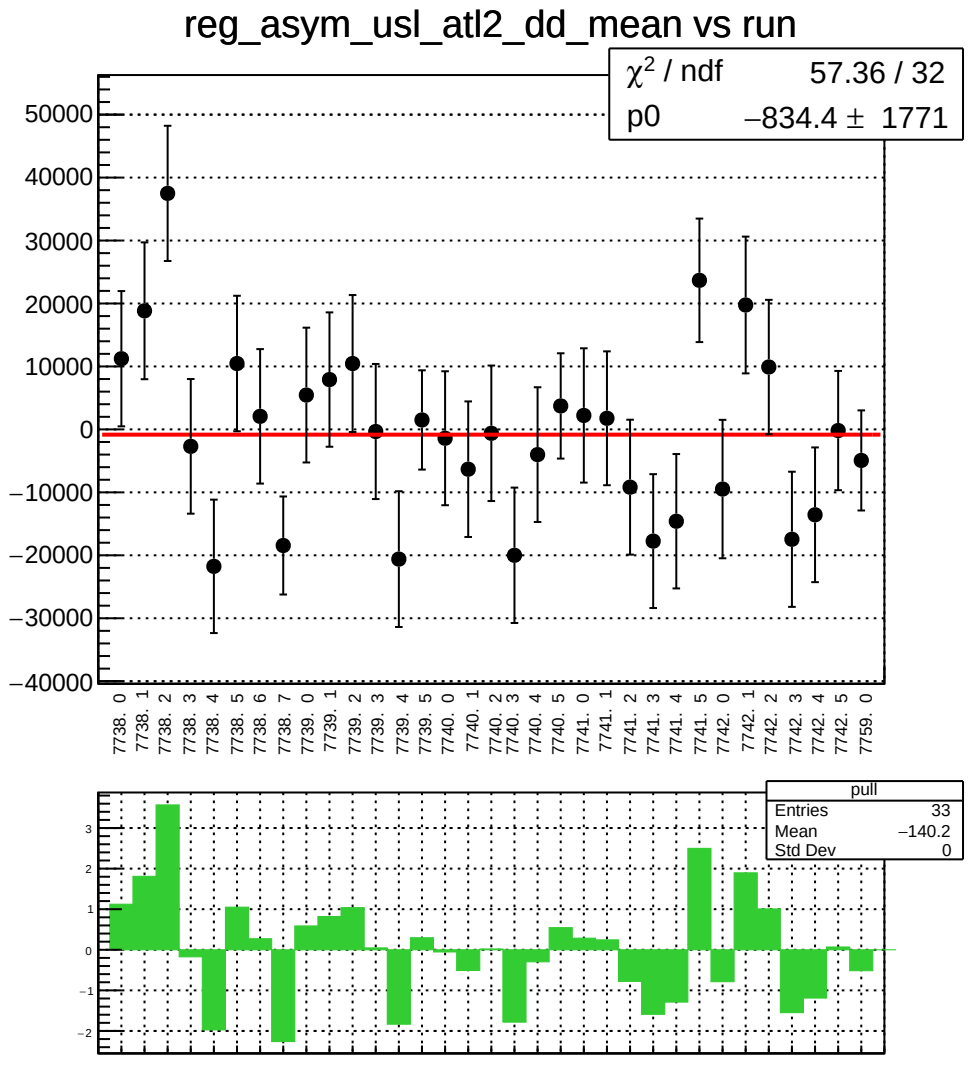

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.194e+04 / 32
p0 80.54 ± 0.1031
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

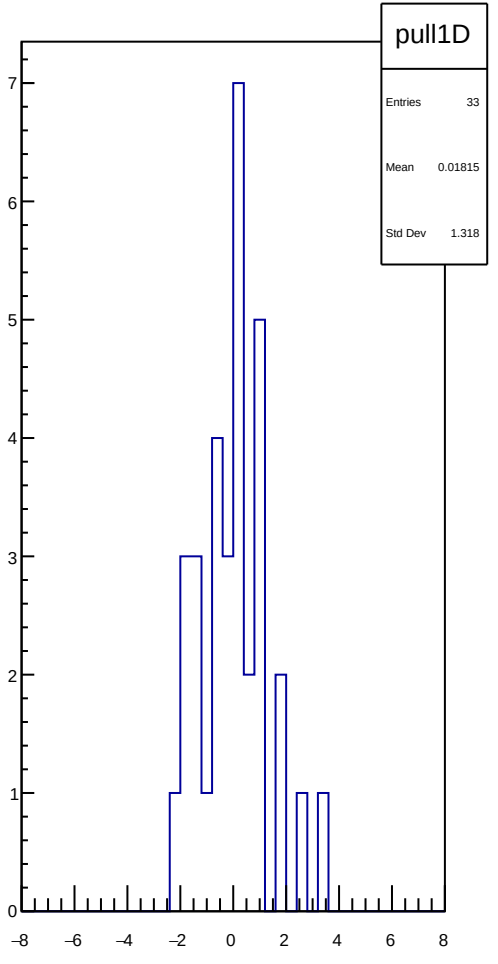

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.11 / 32
p0 0.01956 ± 0.1457
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 135.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02086
Std Dev 1.129
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

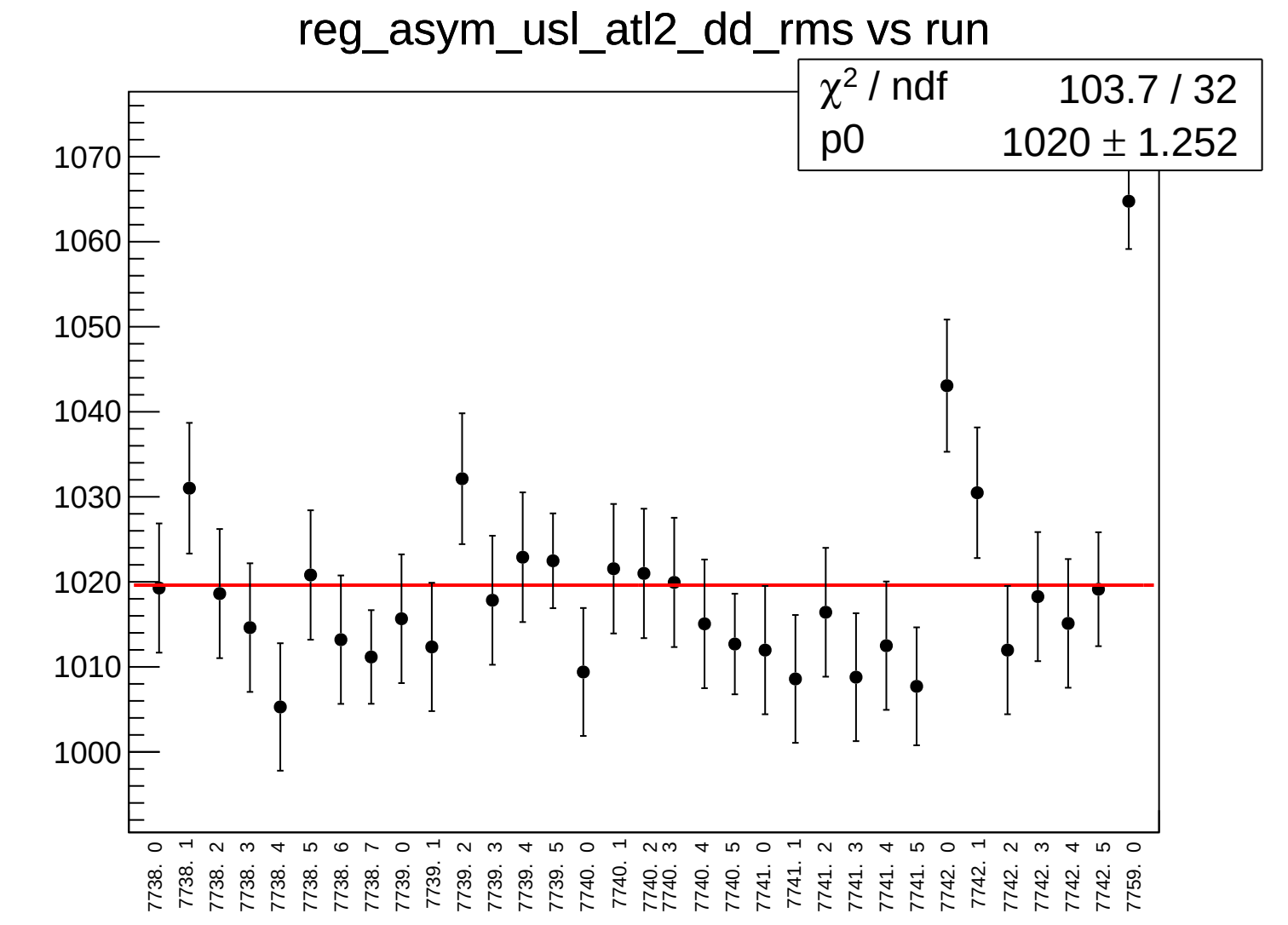

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.194e+04 / 32
p0 80.54 ± 0.1031
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

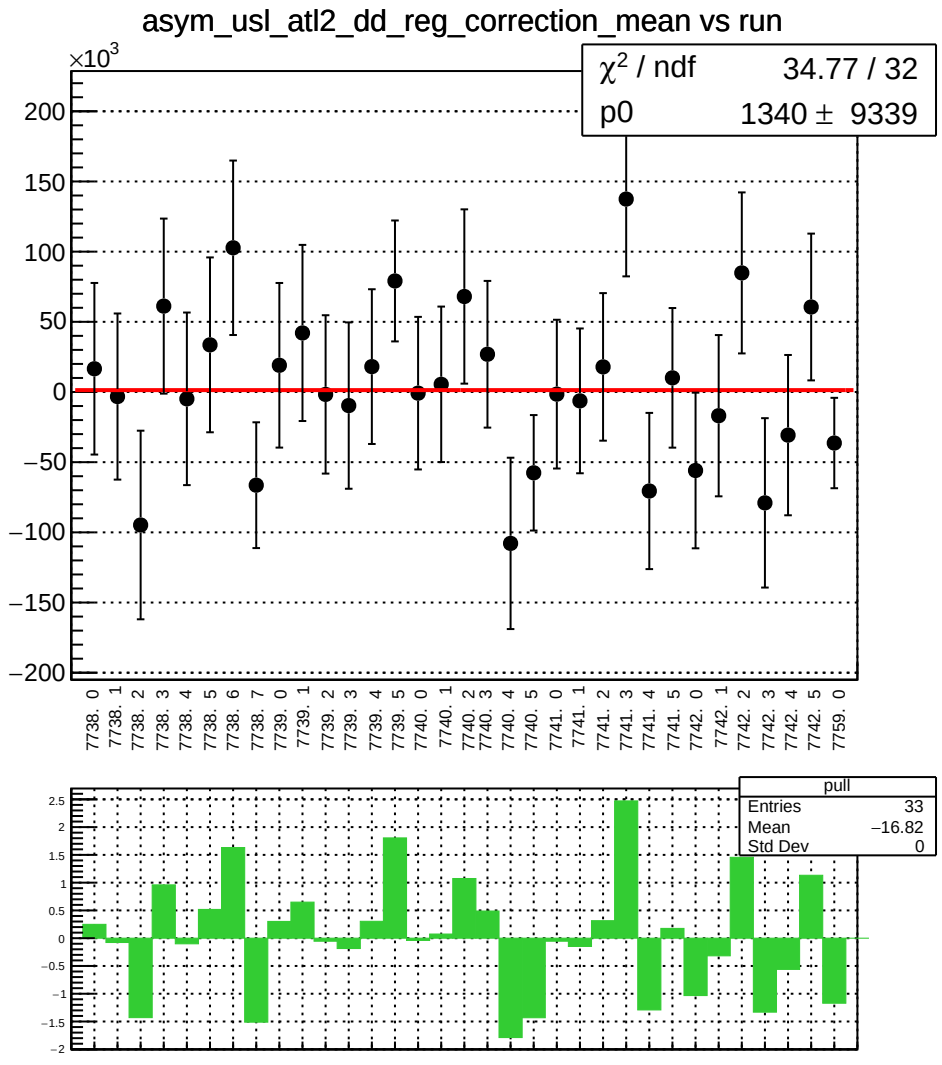

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.26 / 32
p0 5.351e−13 ± 7.84e−13
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.28
Std Dev 12.94
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.1288
Std Dev 1.138
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

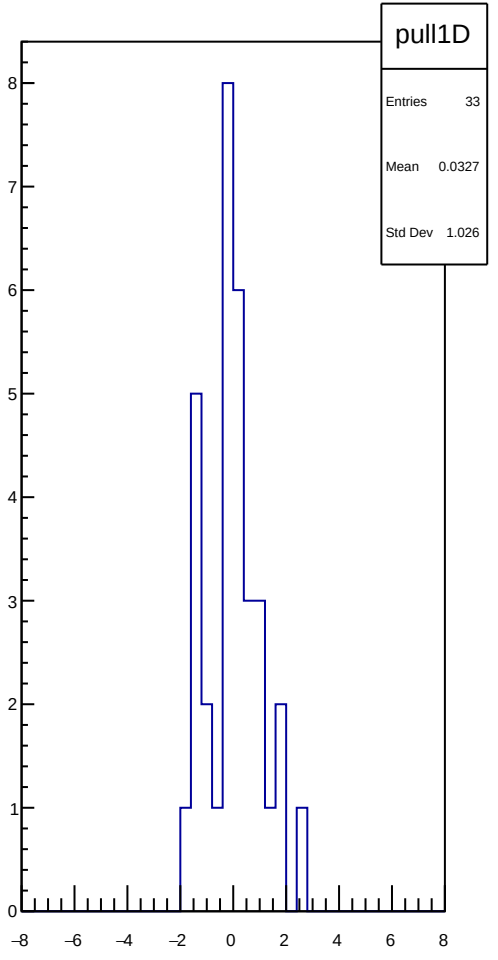

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.025e+05 / 32
p0 3.761e−10 ± 5.544e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

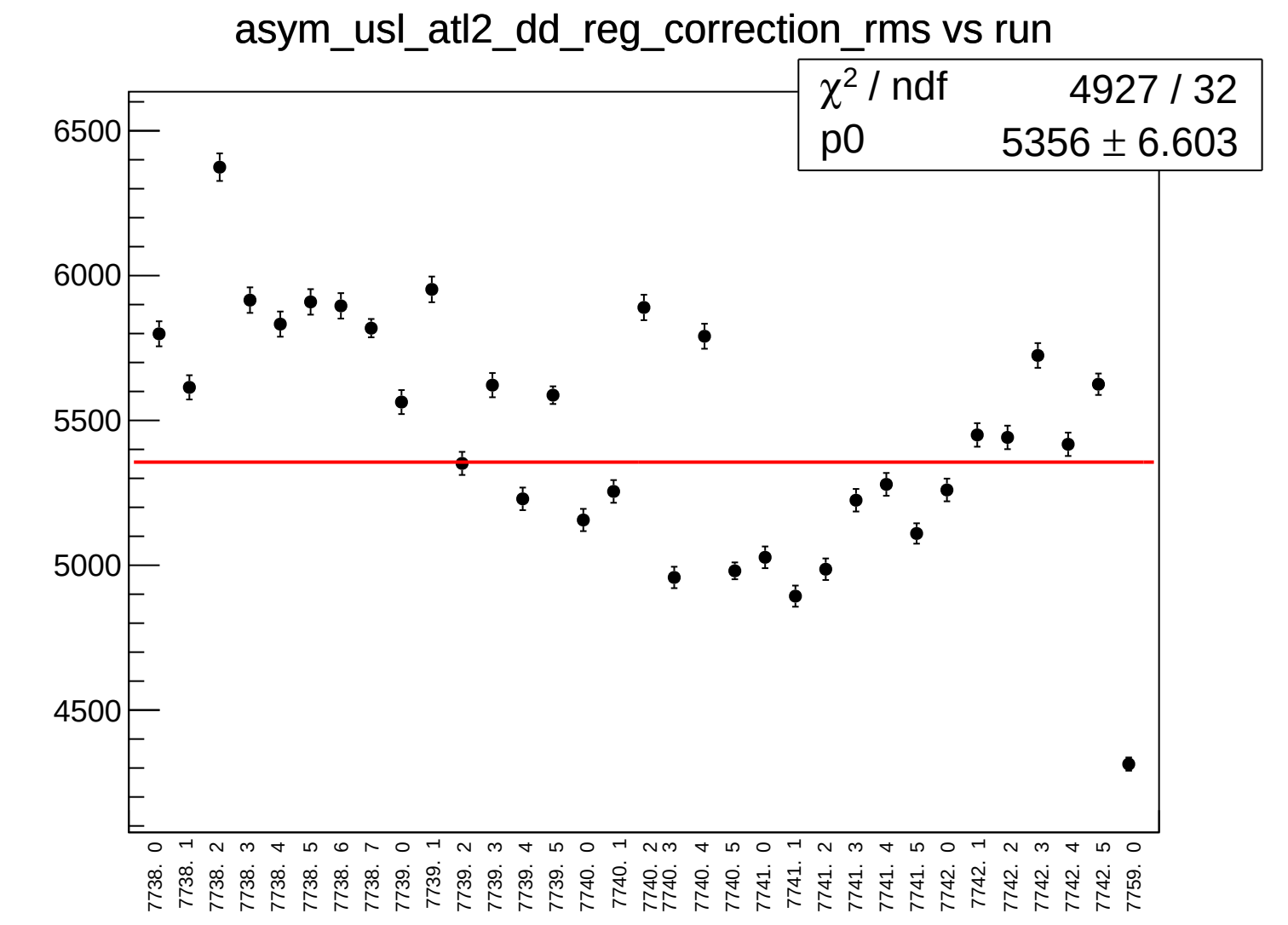

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 57.36 / 32
p0 −834.4 ± 1771
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −140.2
Std Dev 0
3
2
1
0
−1
−2

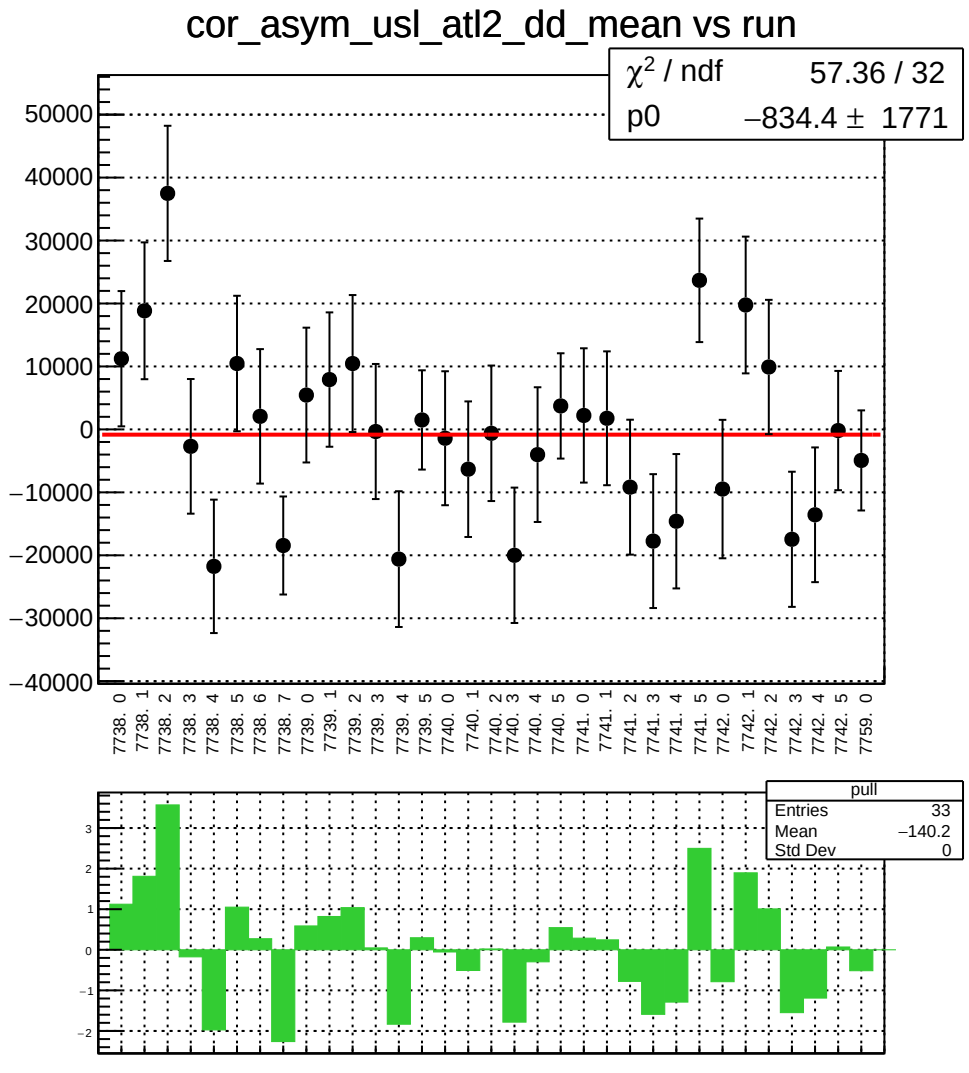

pull1D
Entries 33
Mean 0.01815
Std Dev 1.318
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

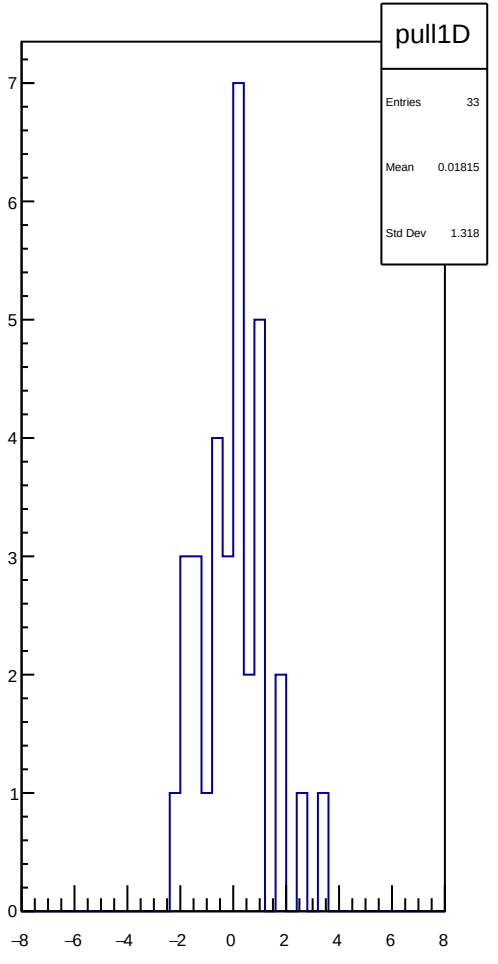

reg_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 103.7 / 32
p0 1020 ± 1.252
1070
1060
1050
1040
1030
1020
1010
1000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

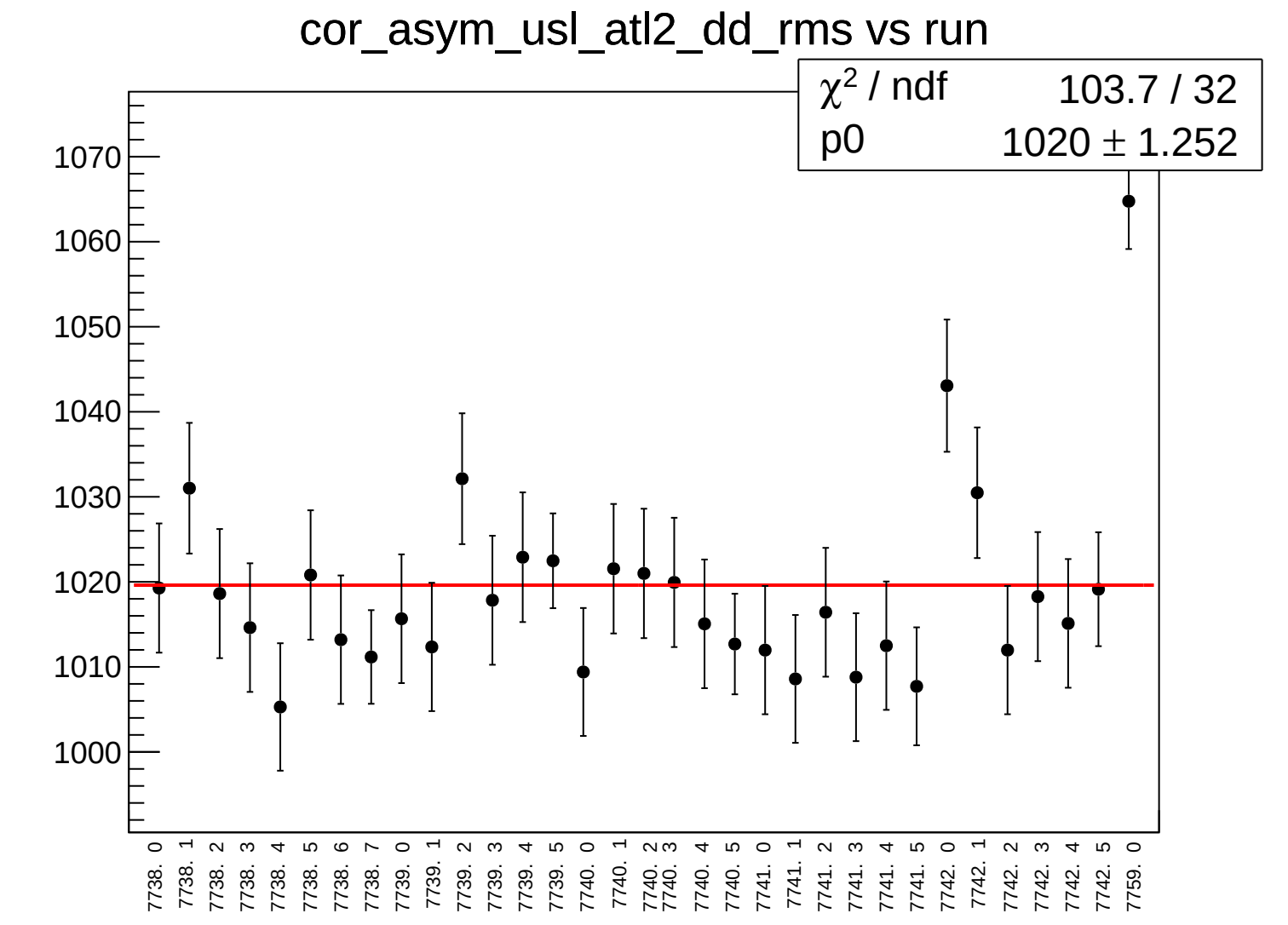

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 34.77 / 32
p0 1340 ± 9339
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.82
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

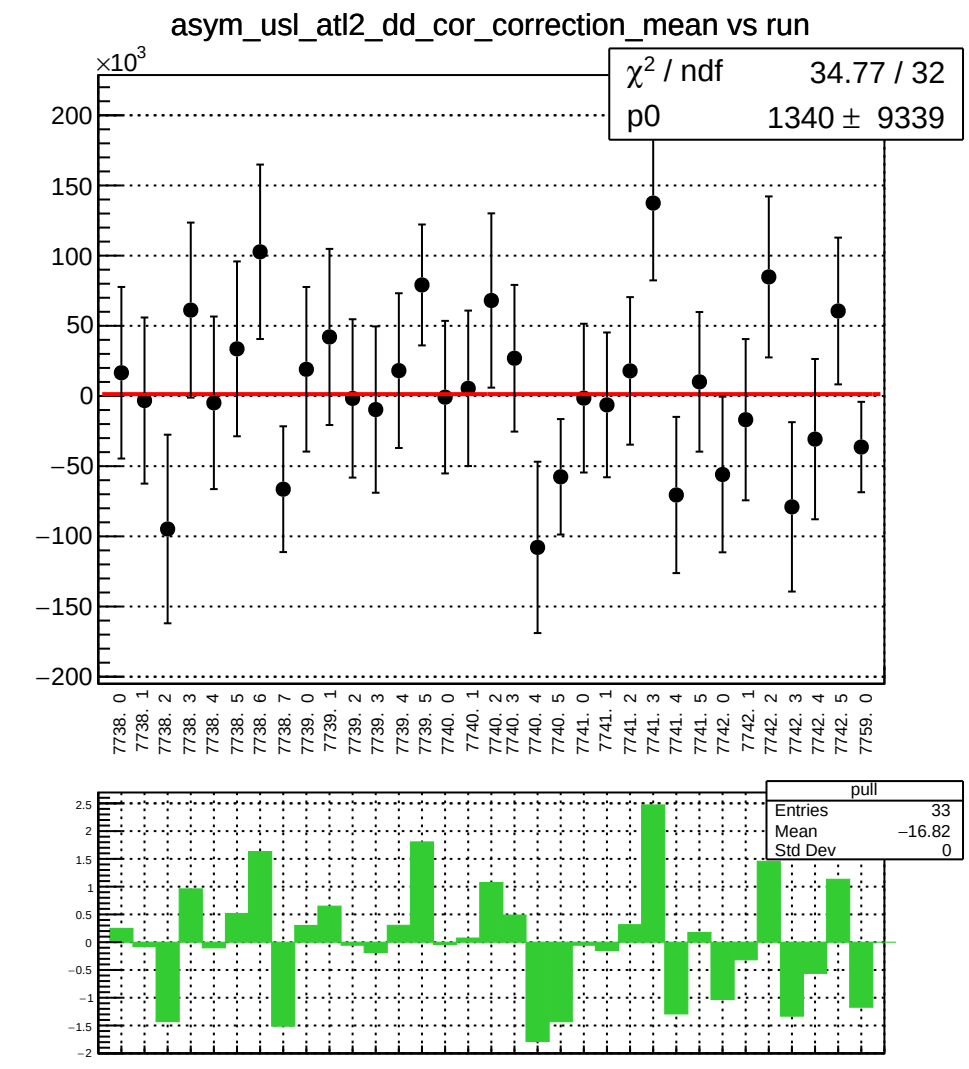

pull1D
Entries 33
Mean 0.0327
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

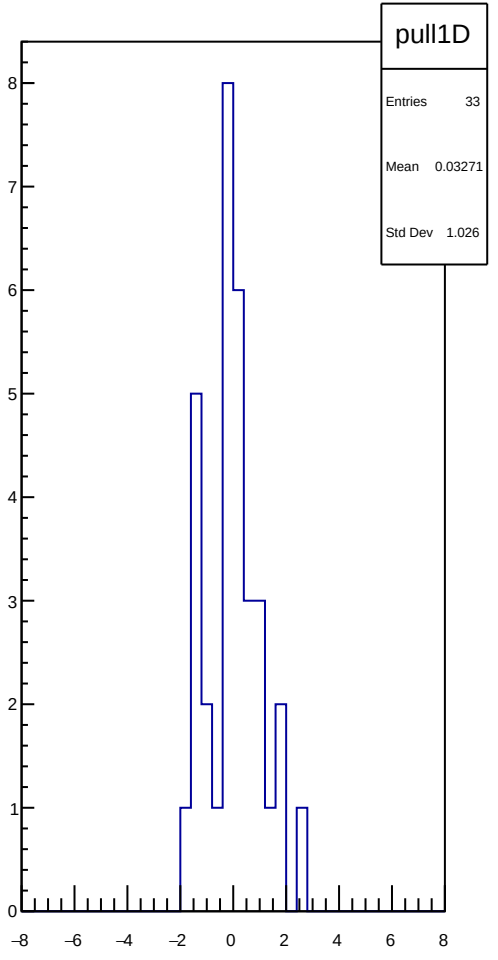

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 4927 / 32
p0 5356 ± 6.603
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

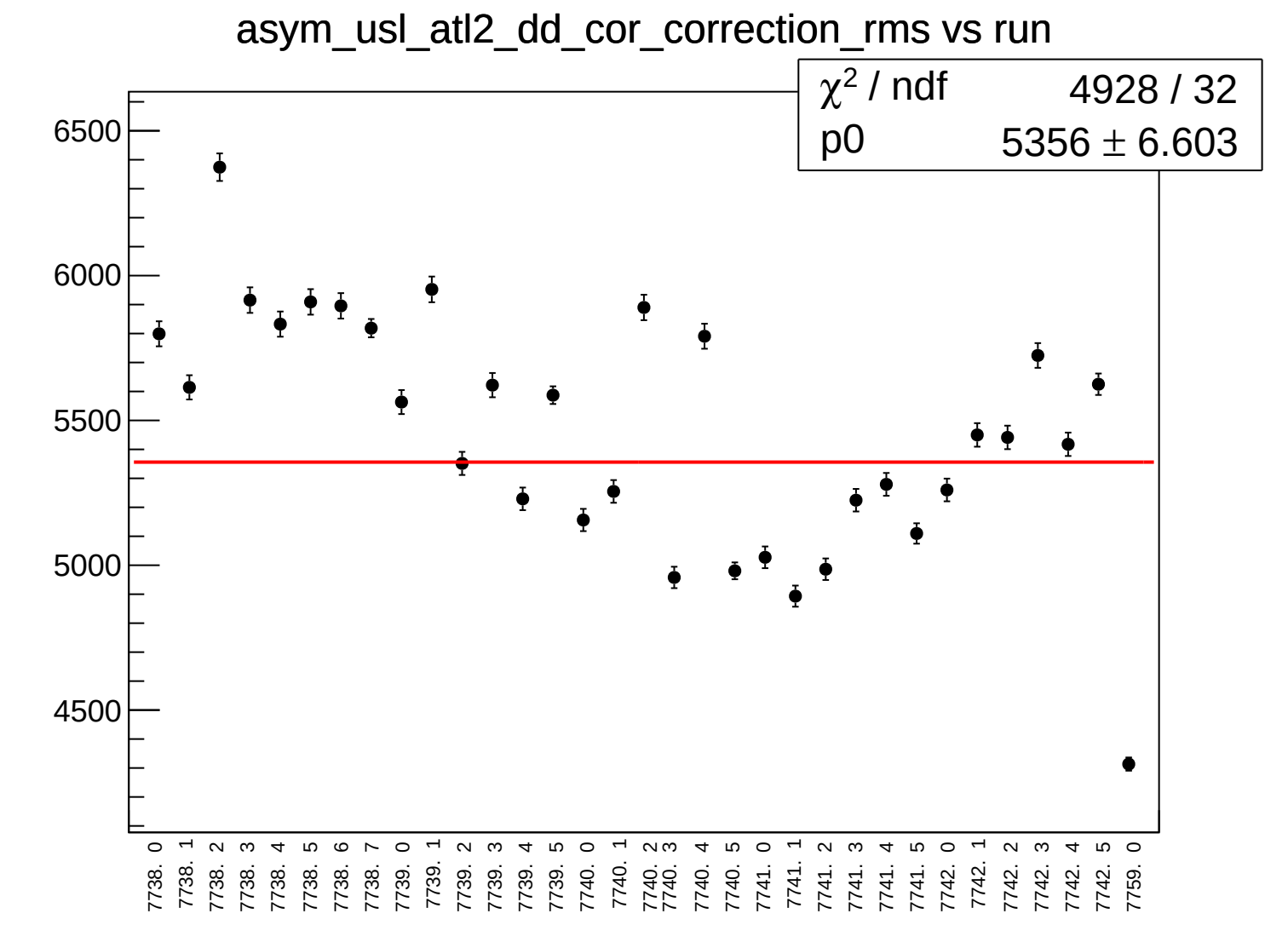

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 57.36 / 32
p0 −834.4 ± 1771
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −140.2
Std Dev 0
3
2
1
0
−1
−2

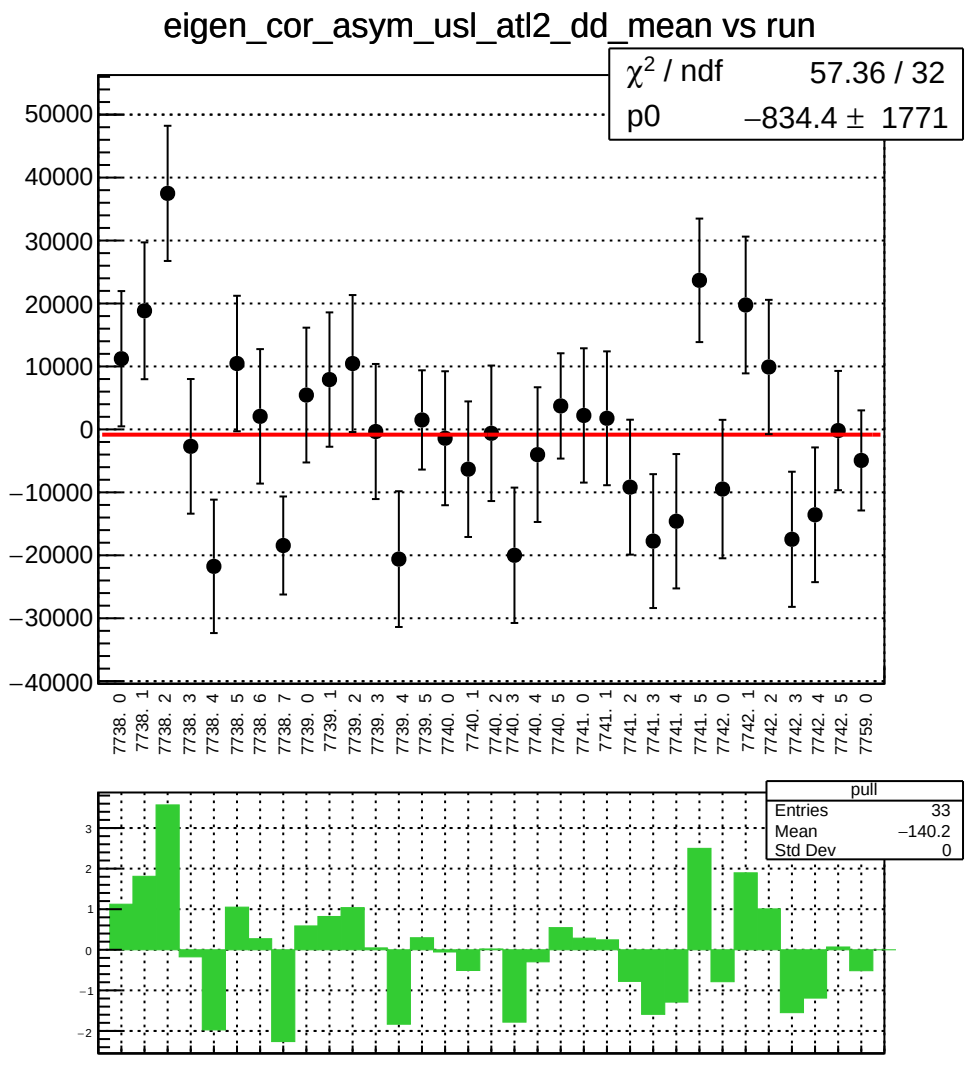

pull1D
Entries 33
Mean 0.01815
Std Dev 1.318
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

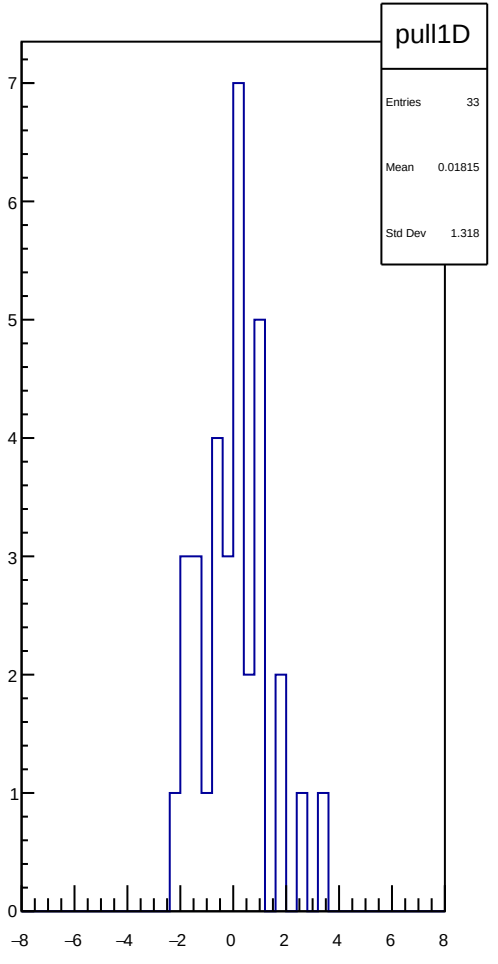

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 103.7 / 32
p0 1020 ± 1.252
1070
1060
1050
1040
1030
1020
1010
1000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

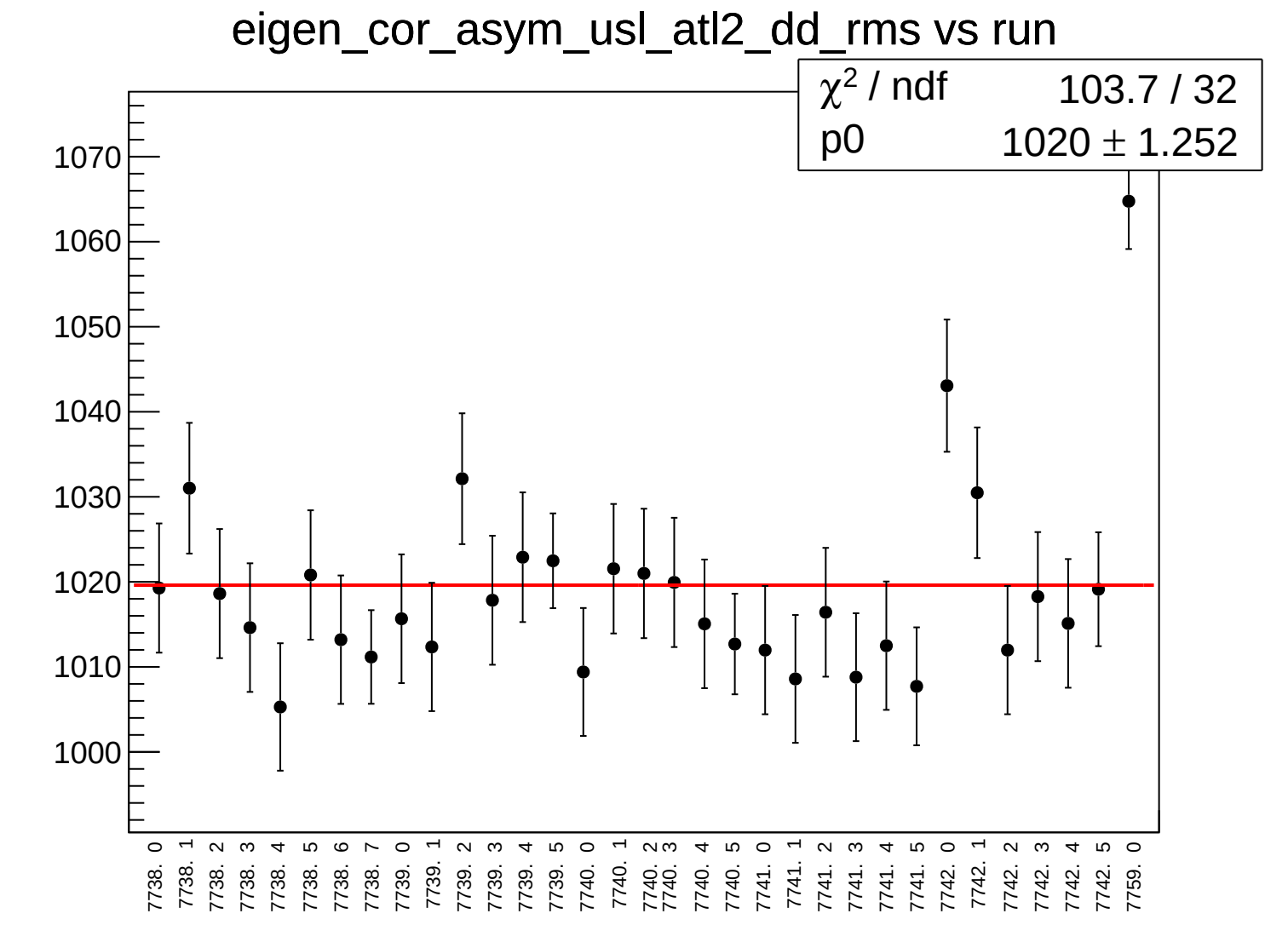

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 34.77 / 32
p0 1340 ± 9339
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.82
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

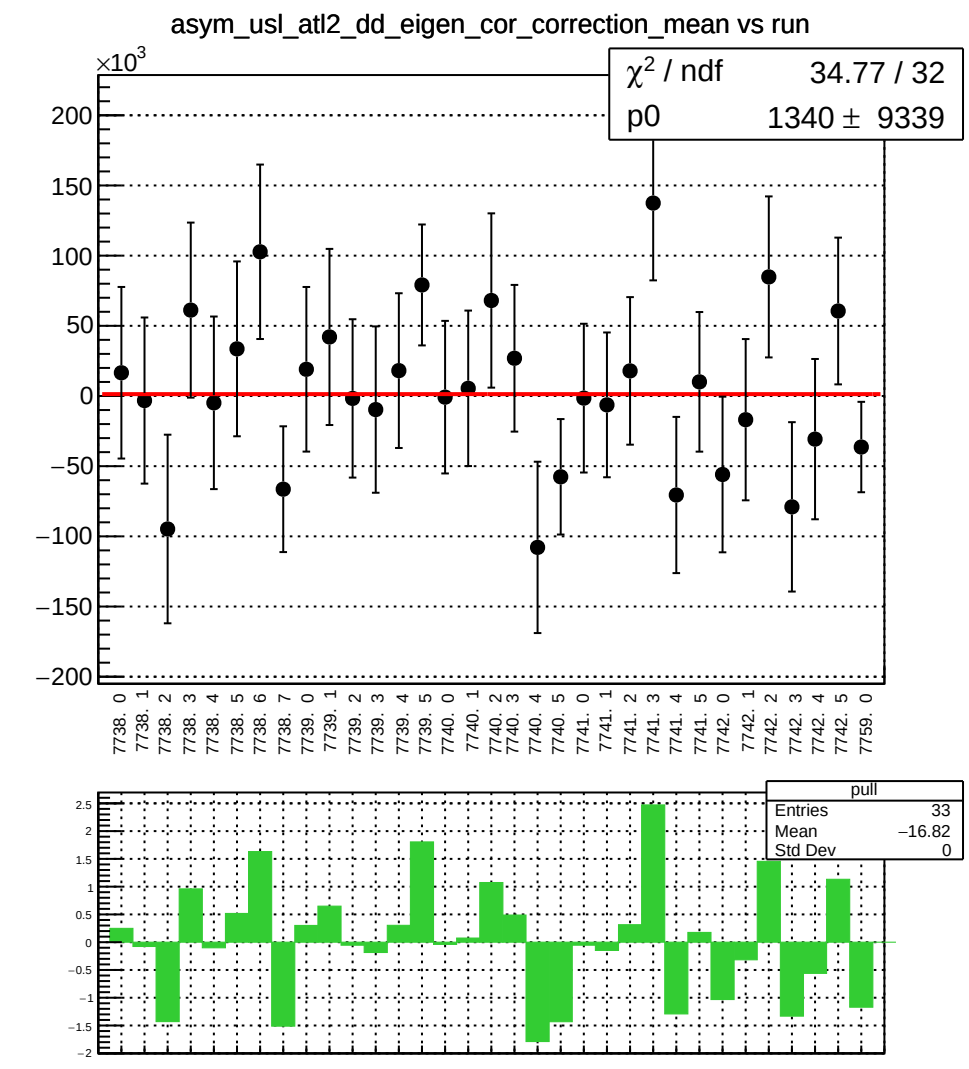

pull1D
Entries 33
Mean 0.03271
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

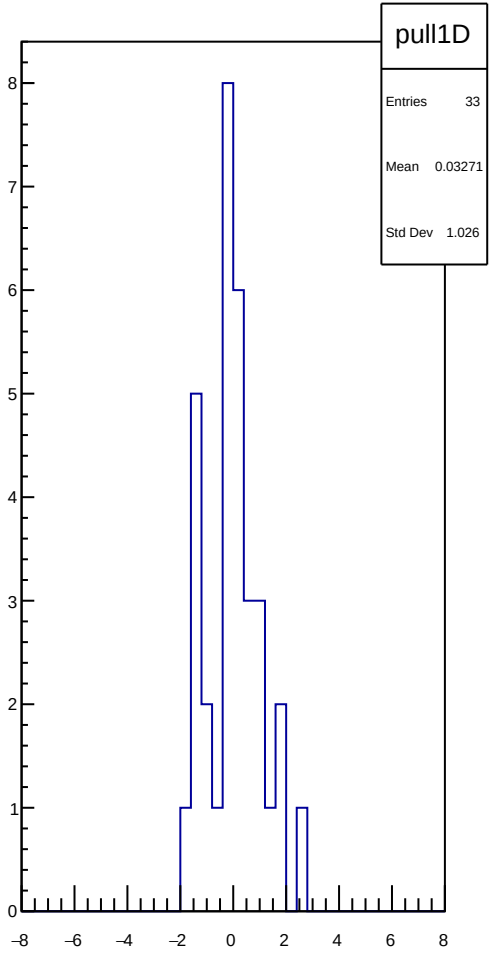

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 4928 / 32
p0 5356 ± 6.603
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

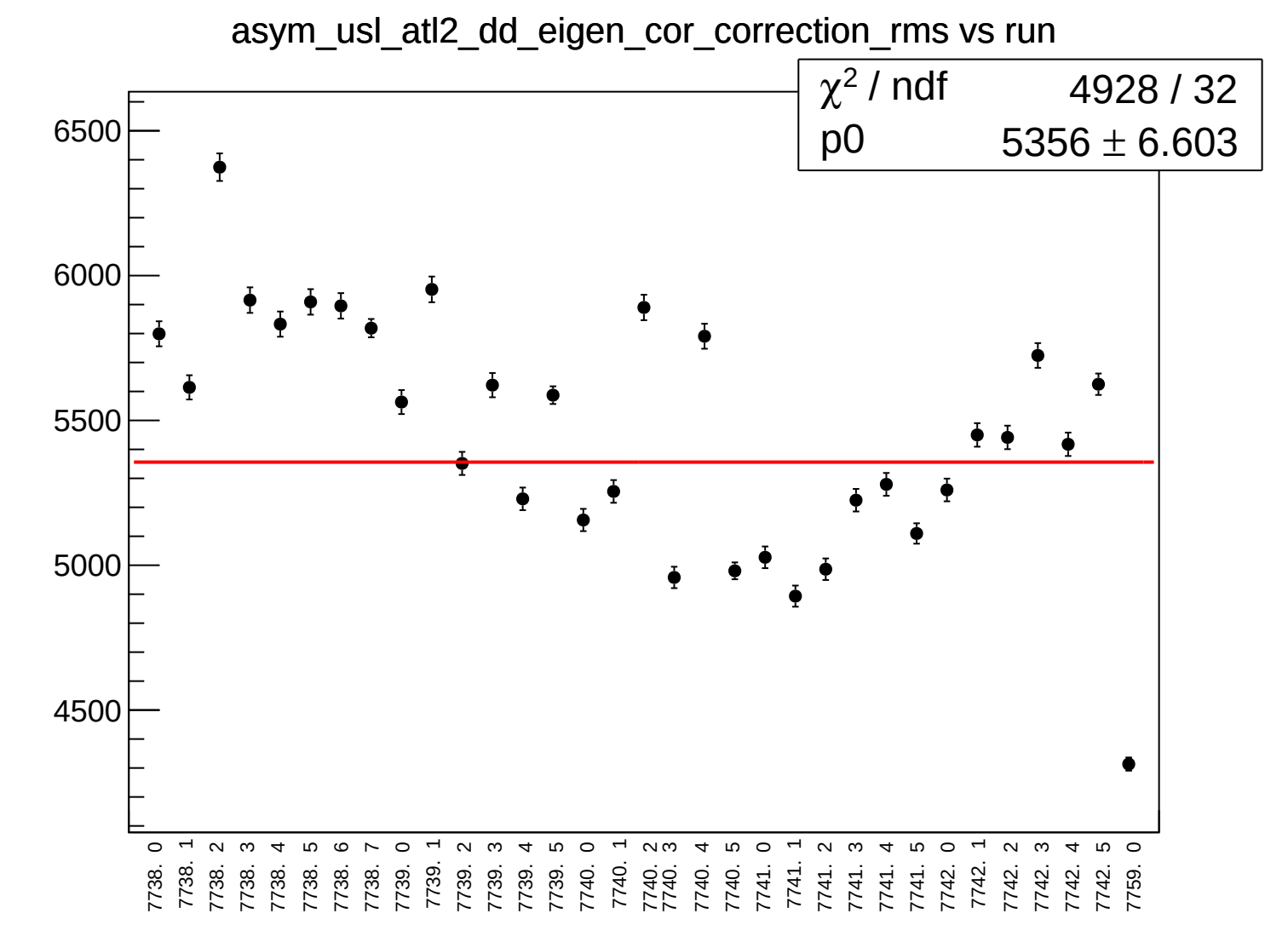

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 57.36 / 32
p0 −834.4 ± 1771
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −140.2
Std Dev 0
3
2
1
0
−1
−2

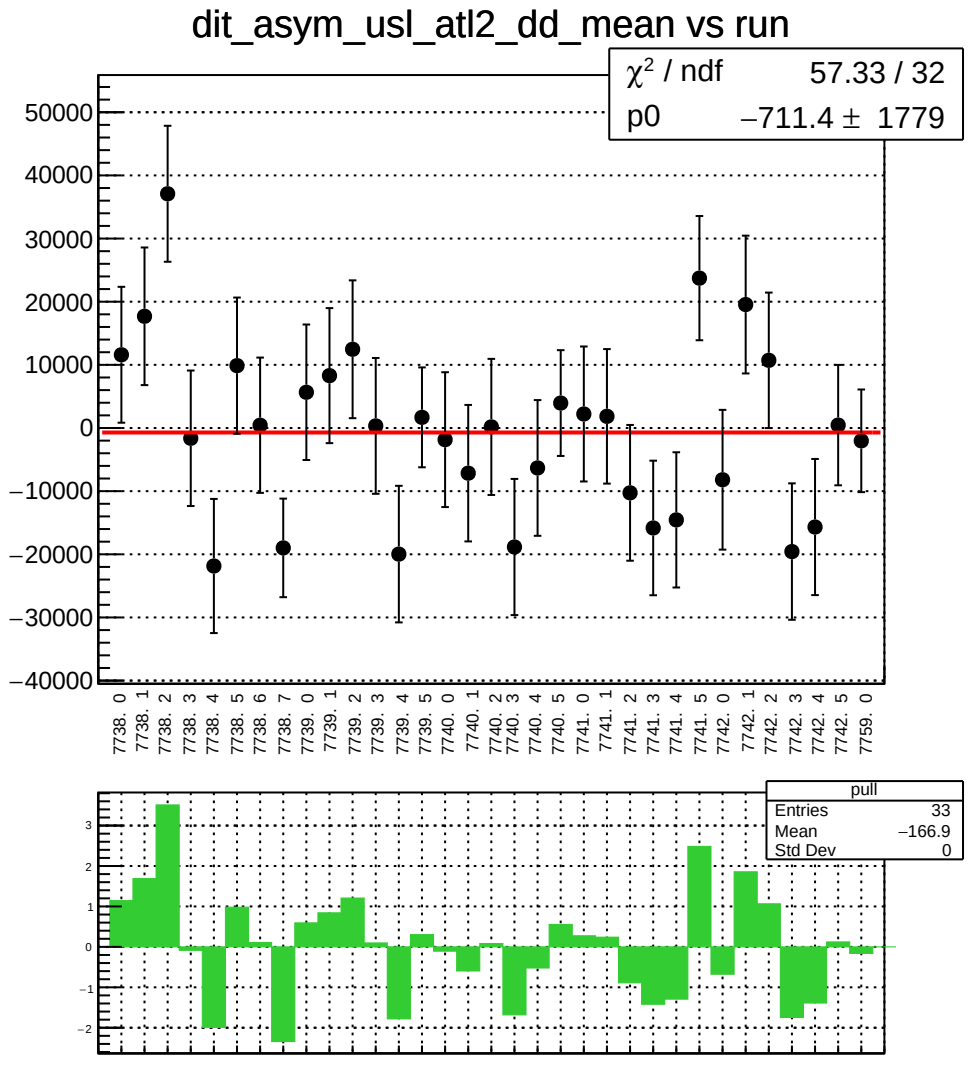

pull1D
Entries 33
Mean 0.01815
Std Dev 1.318
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

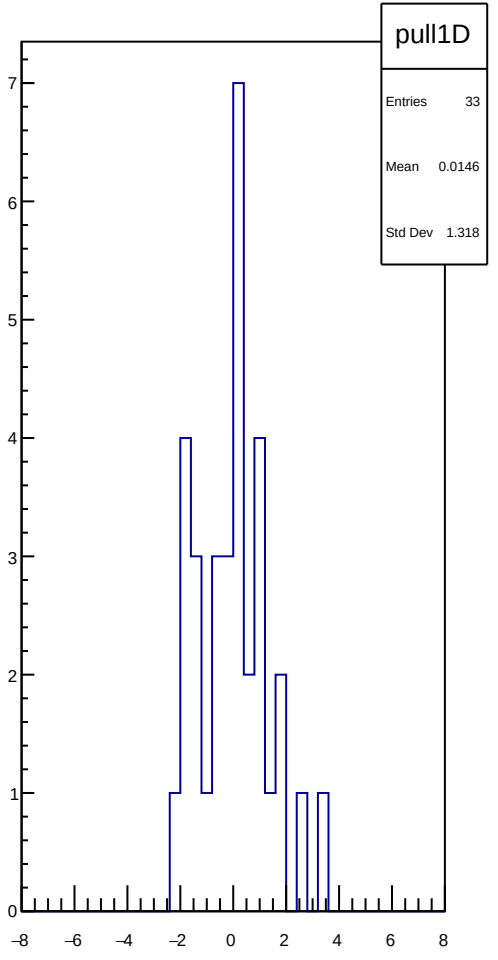

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 103.7 / 32
p0 1020 ± 1.252
1070
1060
1050
1040
1030
1020
1010
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

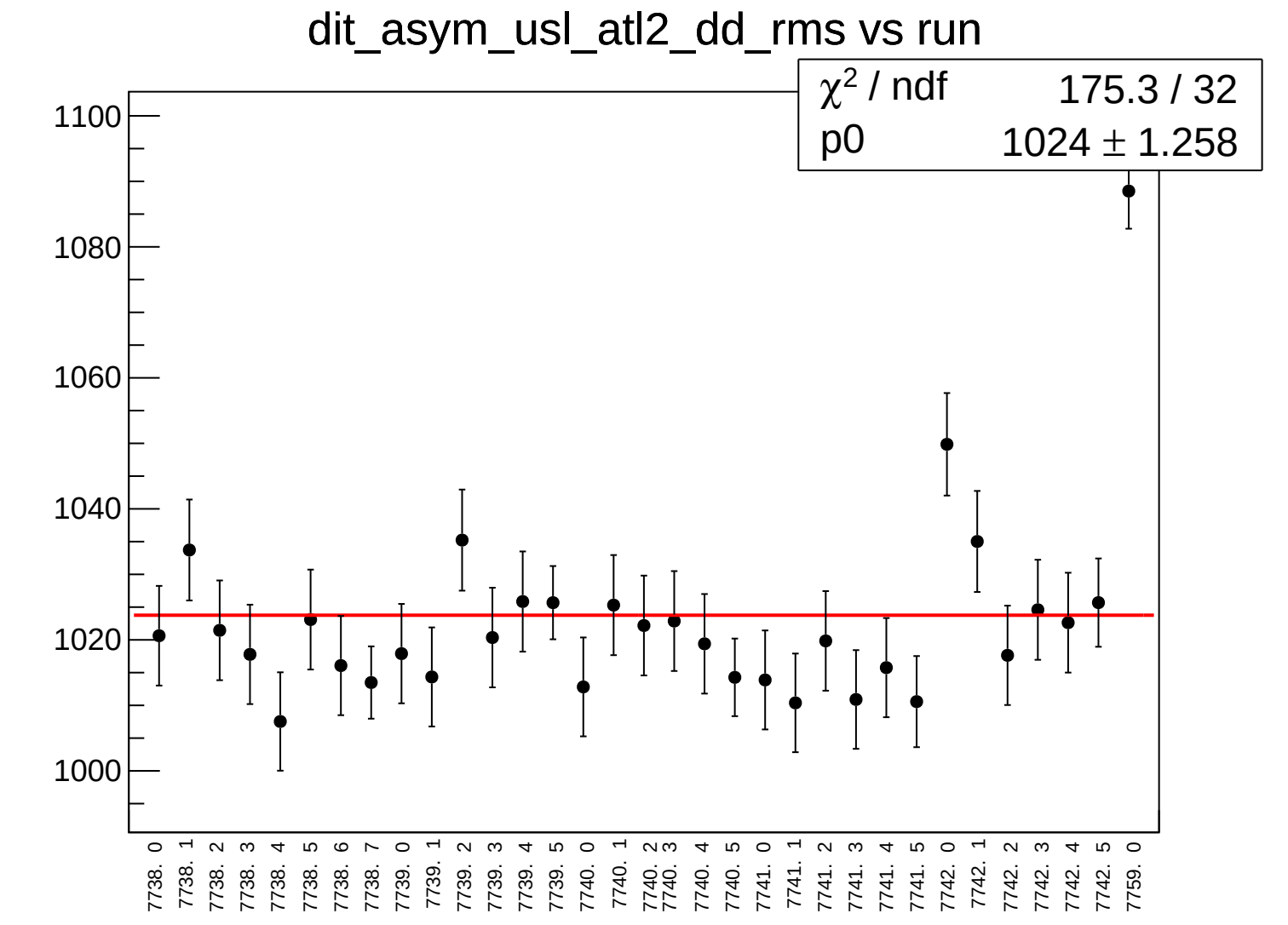

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.77 / 32
p0 1340 ± 9339
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.82
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

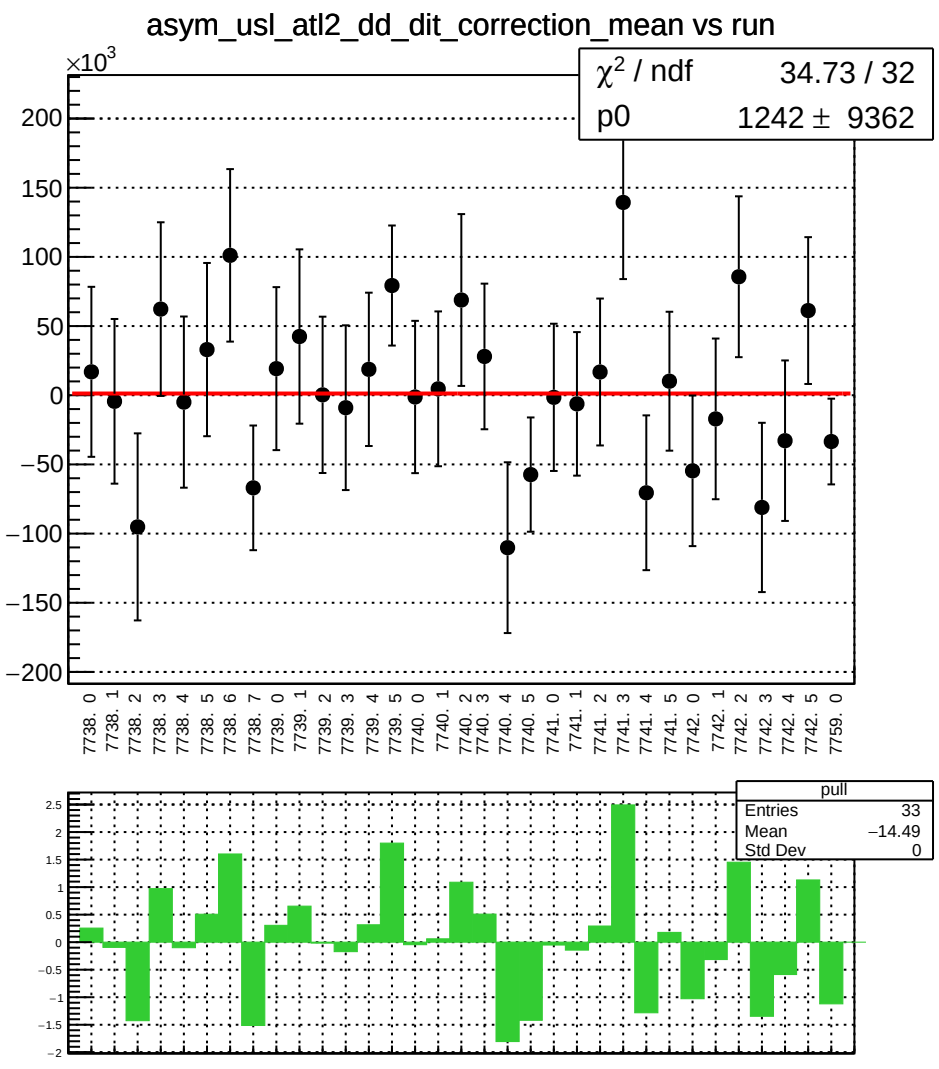

pull1D
Entries 33
Mean 0.03271
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

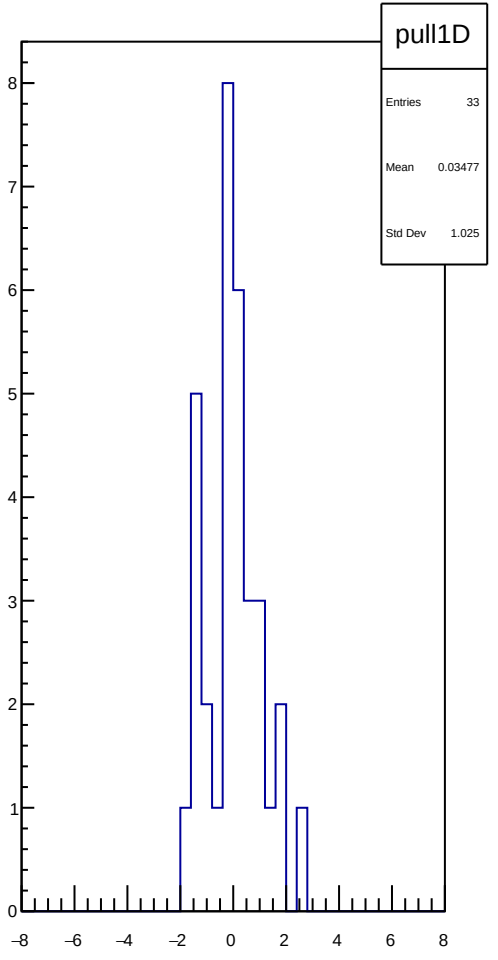

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4928 / 32
p0 5356 ± 6.603
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

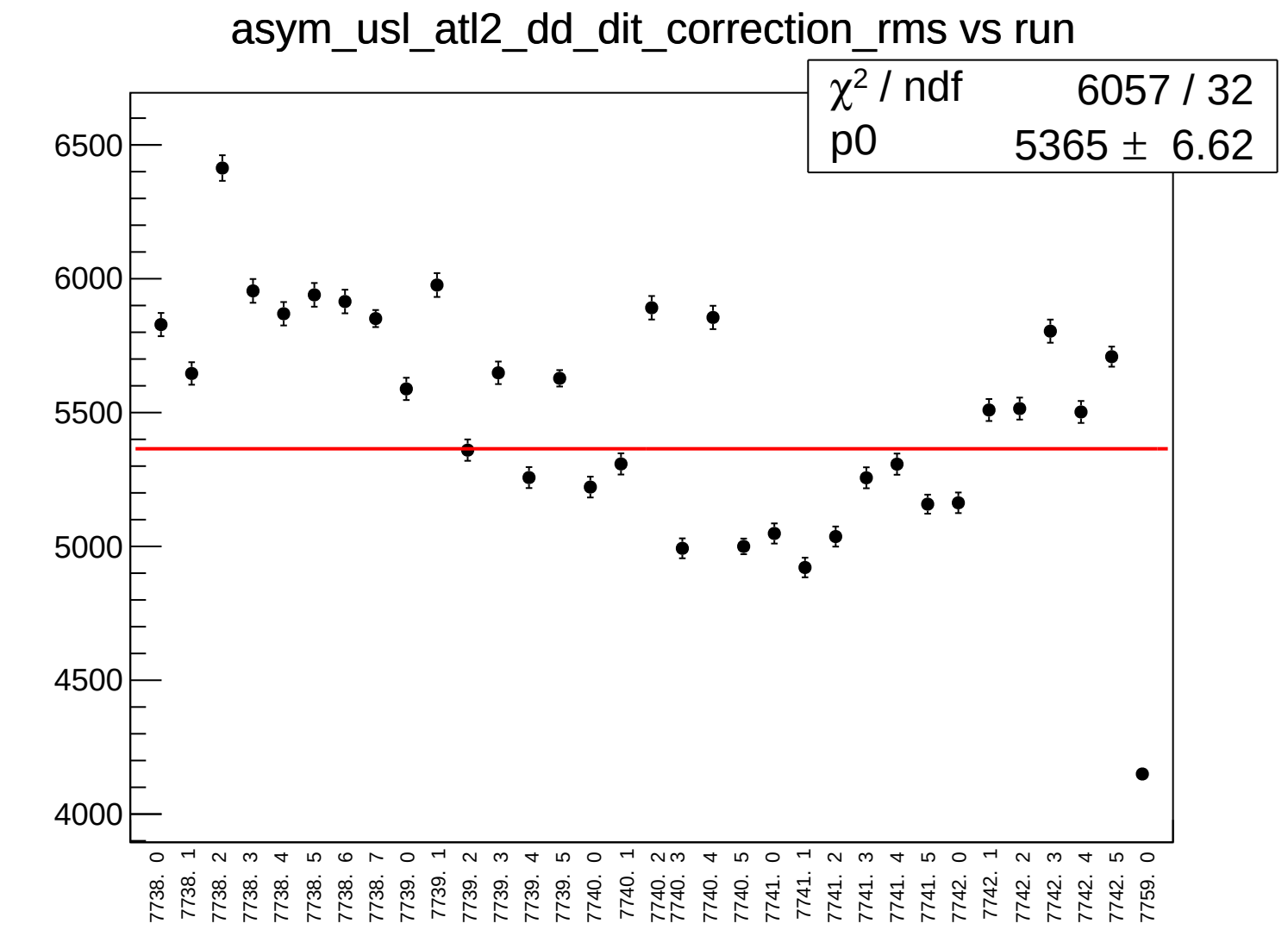

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 57.33 / 32
p0 −711.4 ± 1779
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −166.9
Std Dev 0
3
2
1
0
−1
−2

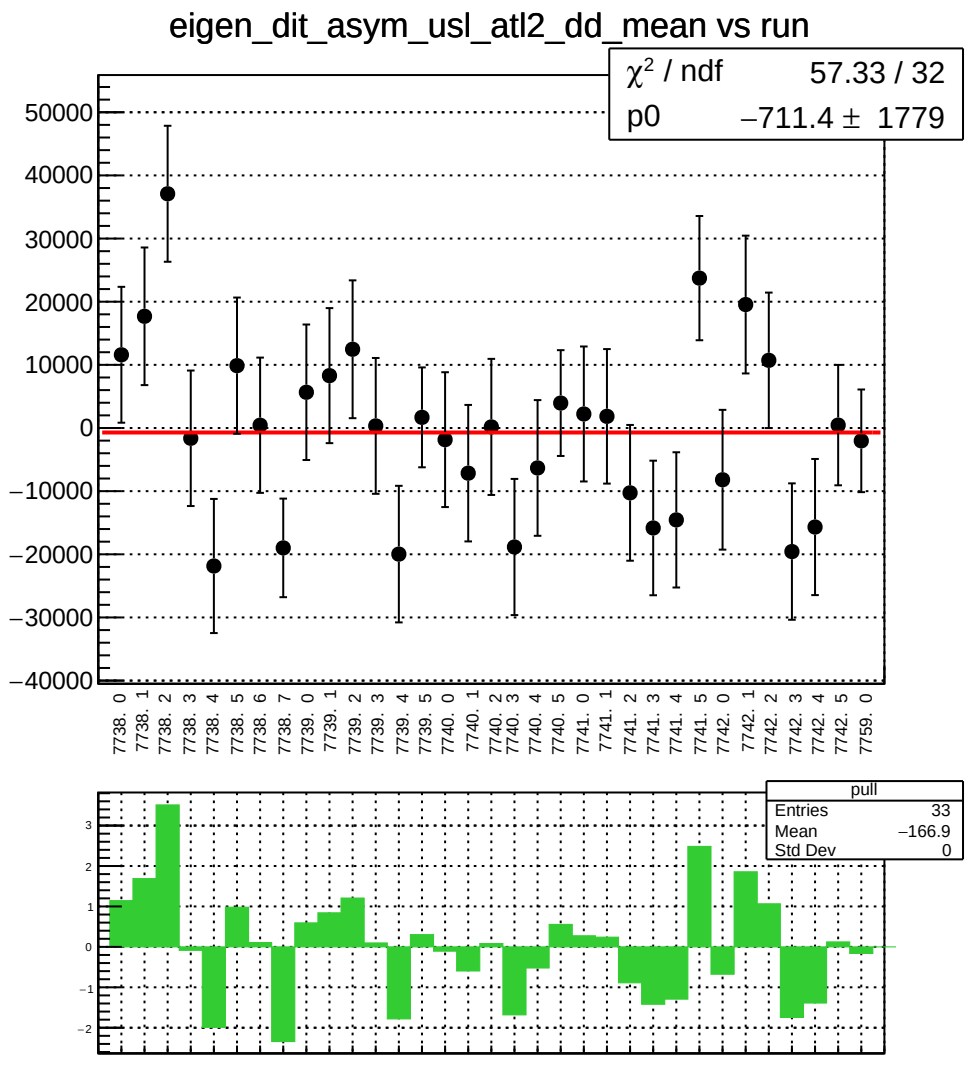

pull1D
Entries 33
Mean 0.0146
Std Dev 1.318
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

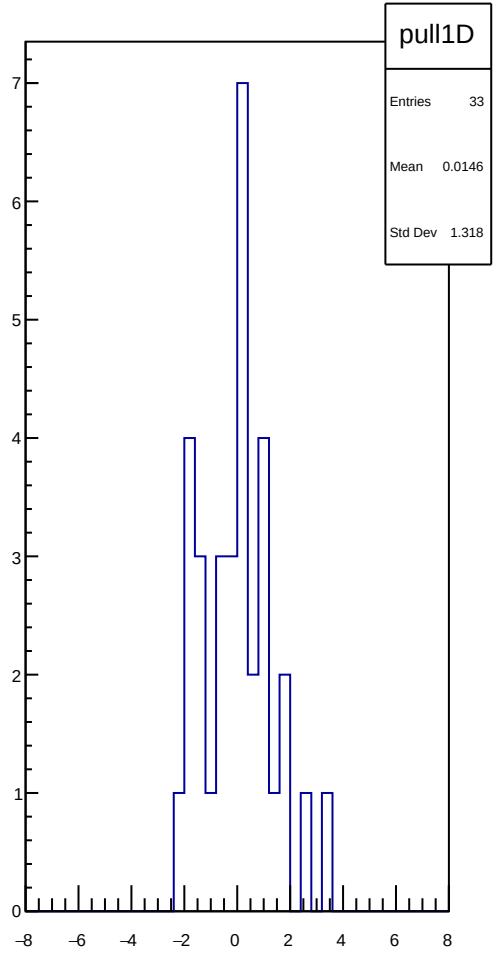

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 175.3 / 32
p0 1024 ± 1.258
1100
1080
1060
1040
1020
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

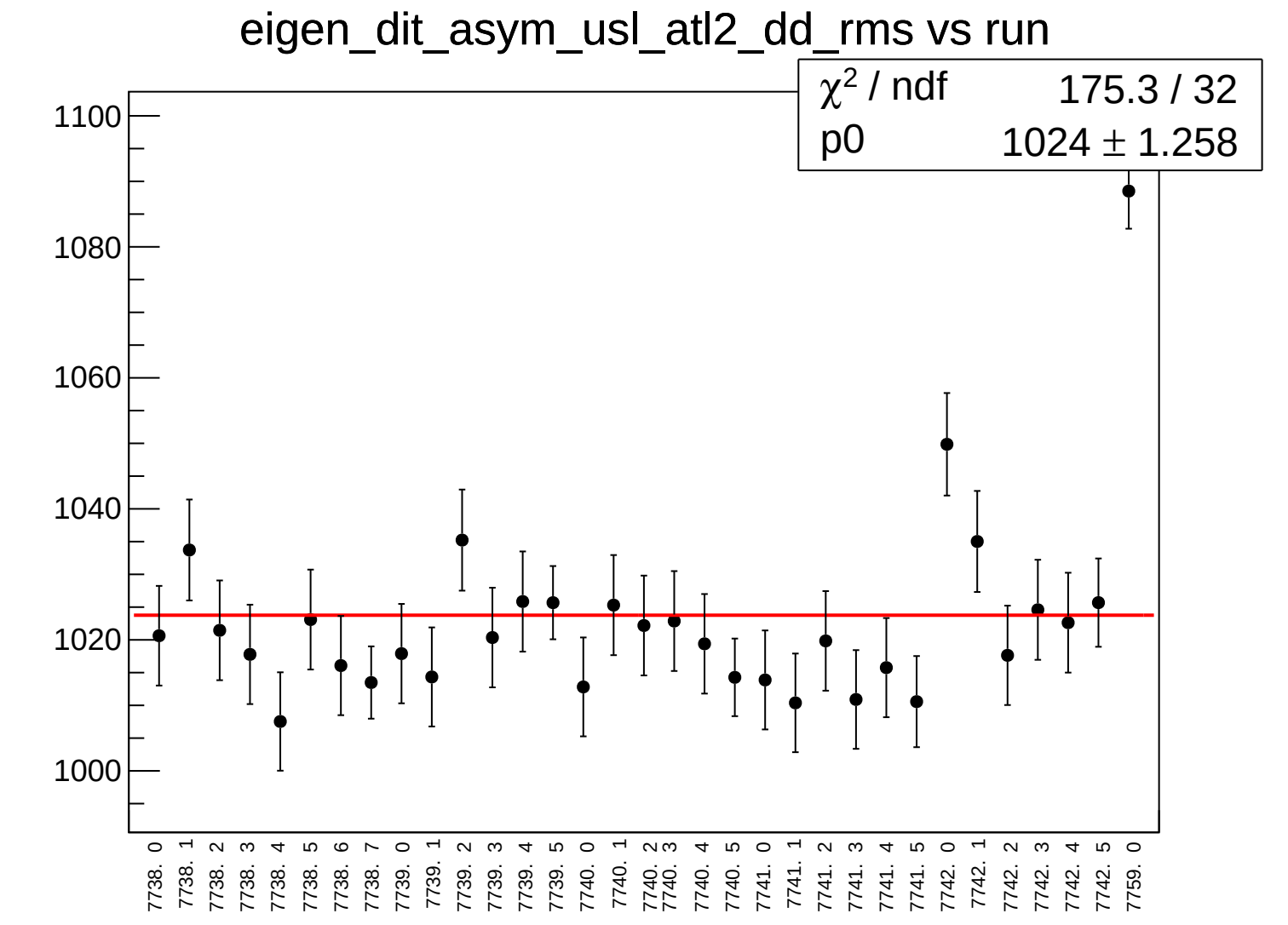

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.73 / 32
p0 1242 ± 9362
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.49
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

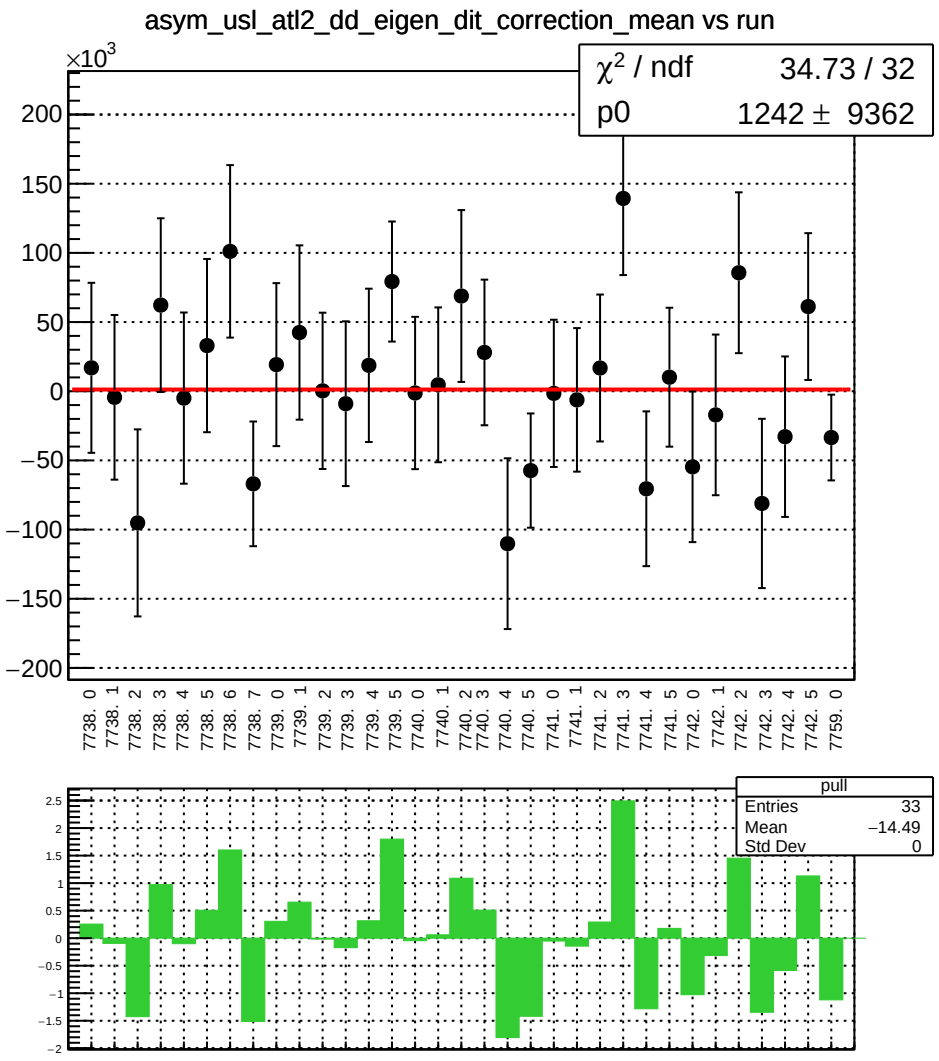

pull1D
Entries 33
Mean 0.03477
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

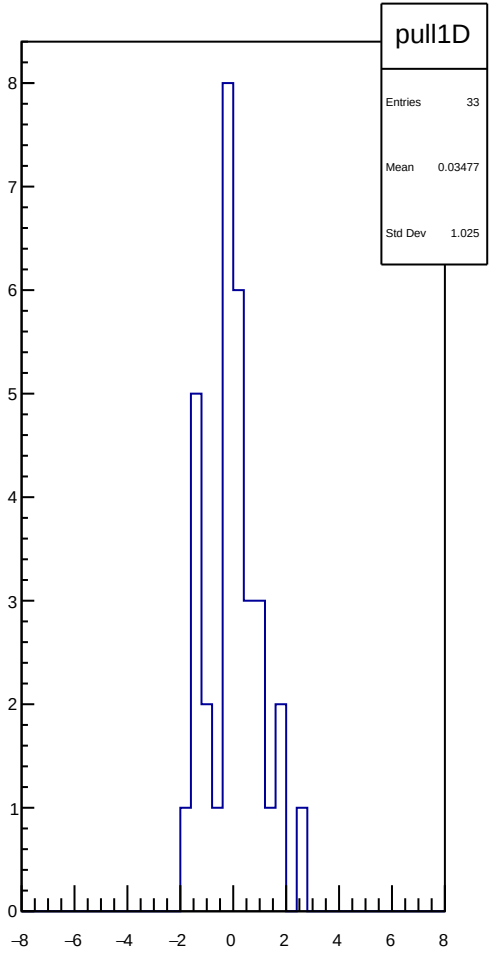

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 6057 / 32
p0 5365 ± 6.62
6500
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

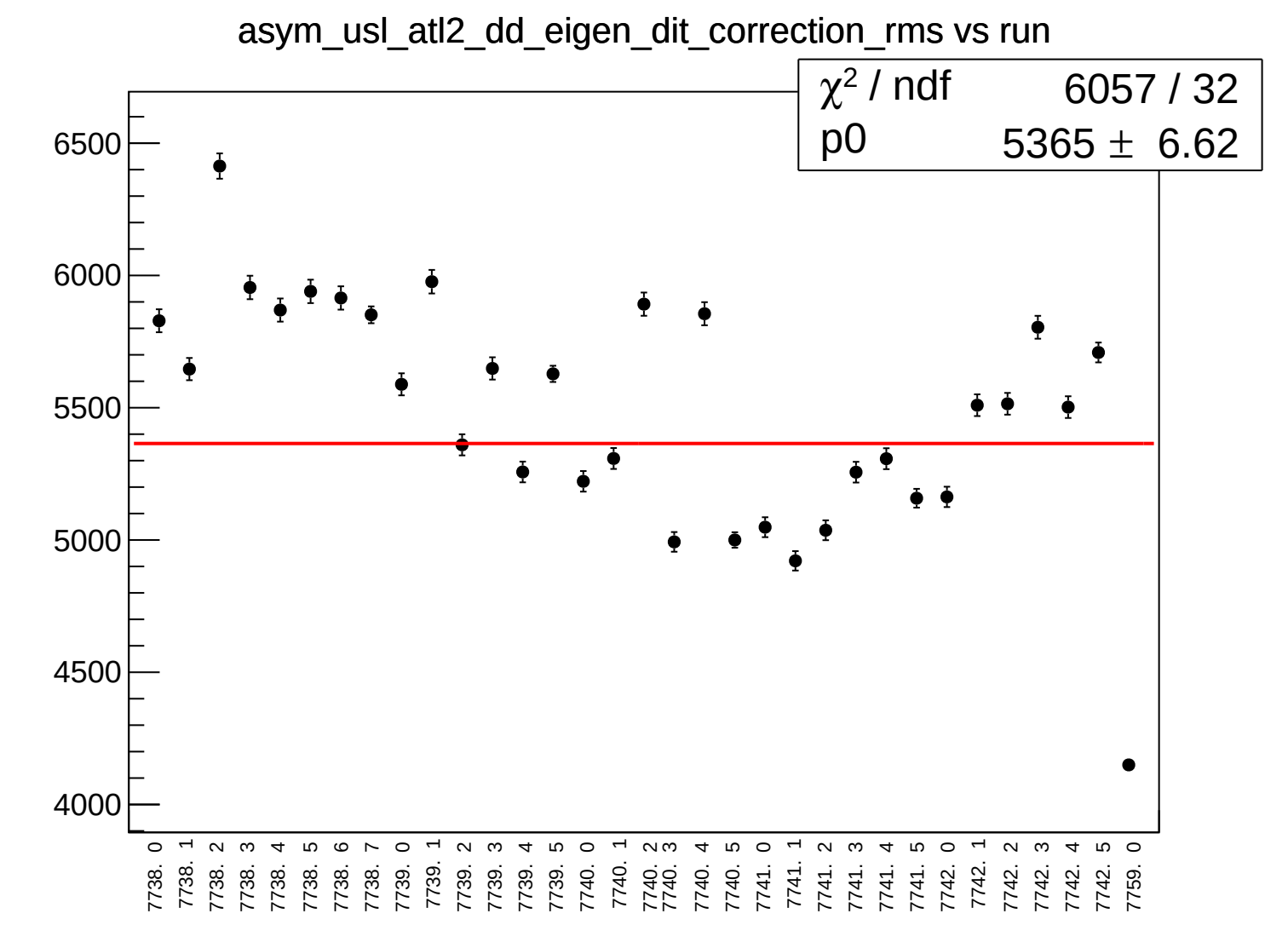

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 57.33 / 32
p0 −711.4 ± 1779
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −166.9
Std Dev 0
3
2
1
0
−1
−2

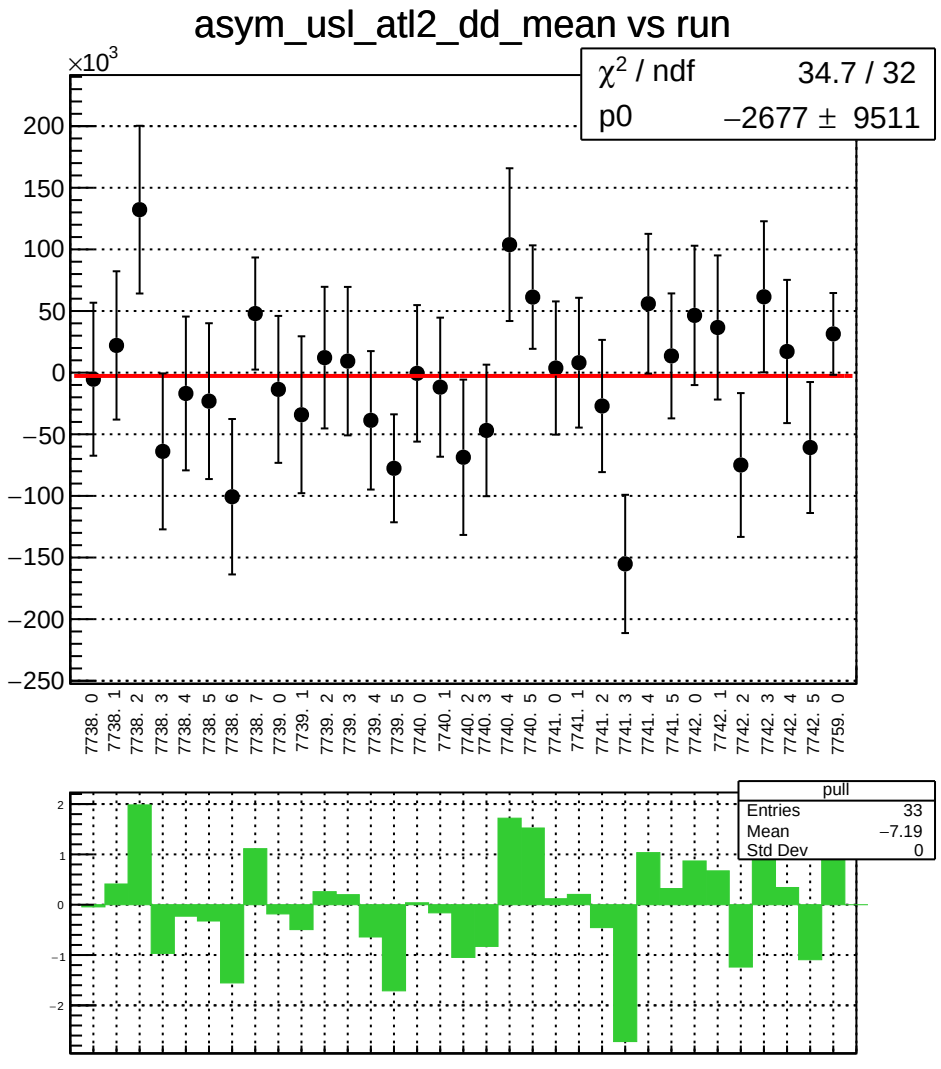

pull1D
Entries 33
Mean 0.0146
Std Dev 1.318
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

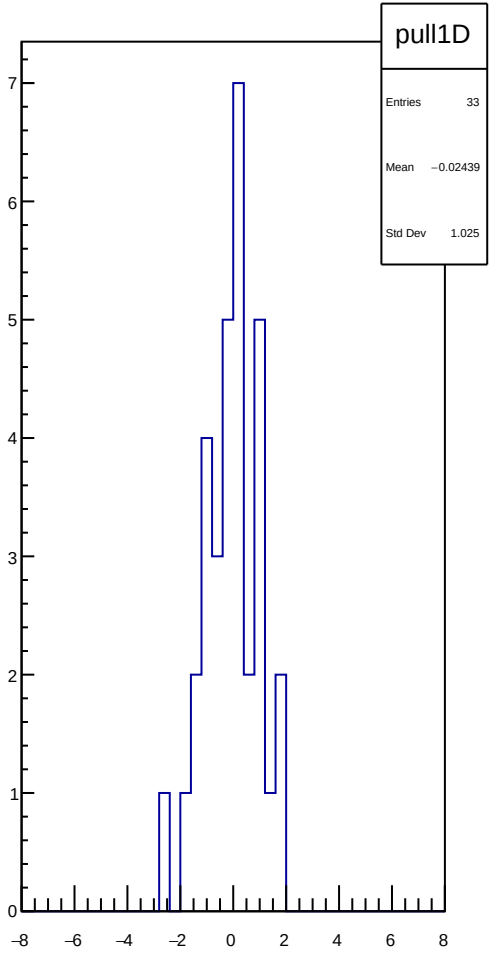

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 175.3 / 32
p0 1024 ± 1.258
1100
1080
1060
1040
1020
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

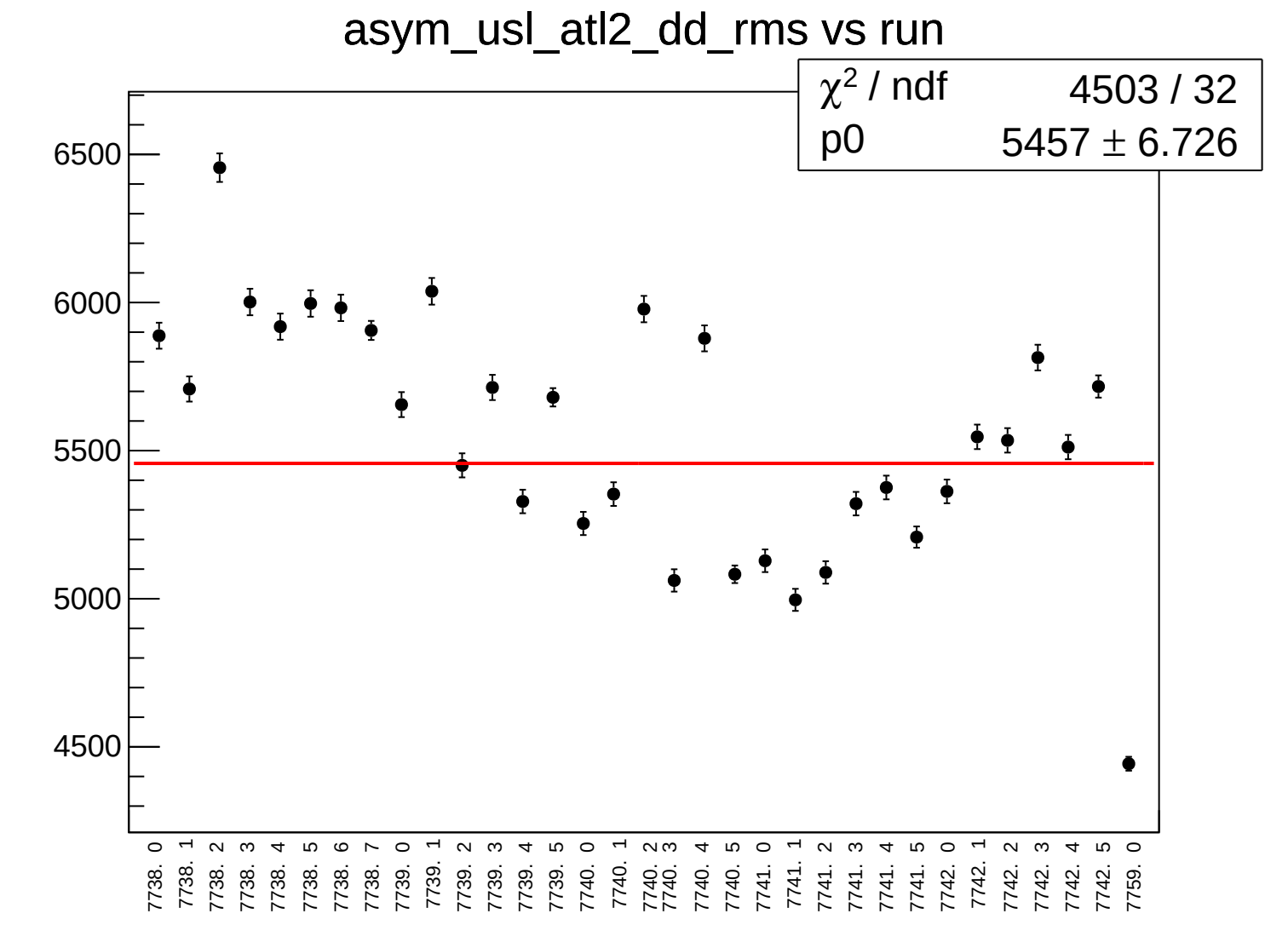

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 34.73 / 32
p0 1242 ± 9362
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.49
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

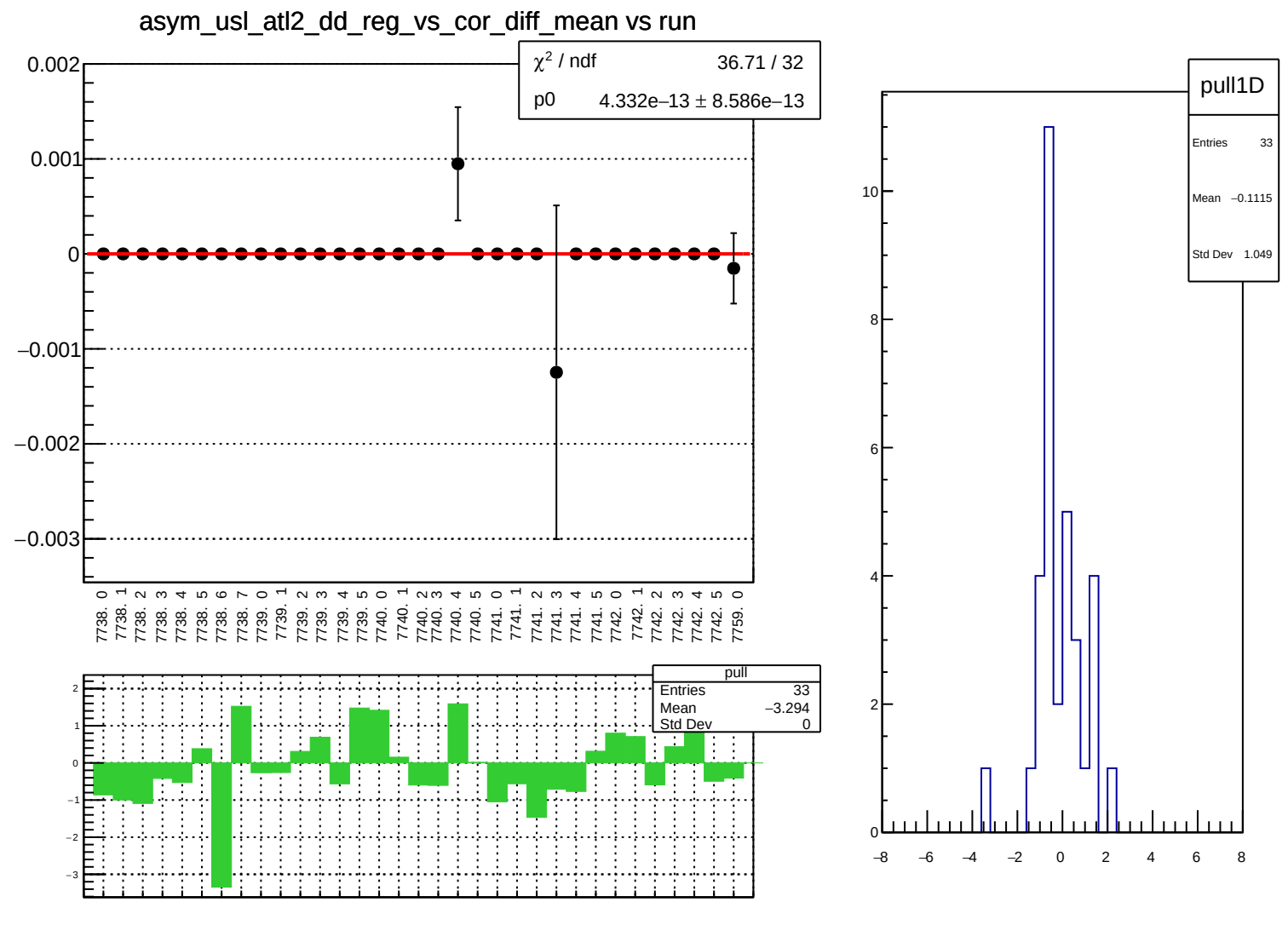

pull1D
Entries 33
Mean 0.03477
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

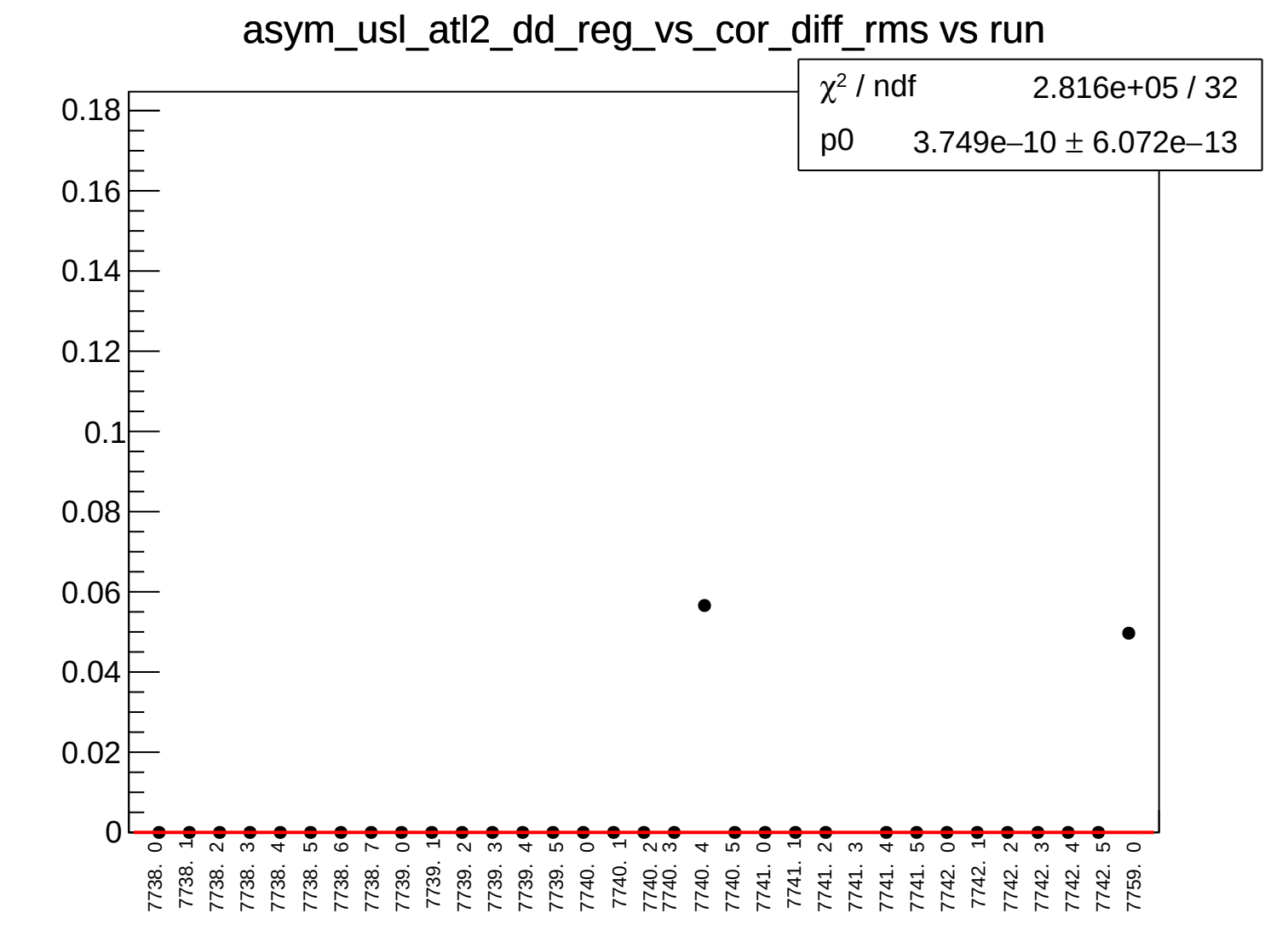

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 6057 / 32
p0 5365 ± 6.62
6500
6000
5500
5000
4500
4000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

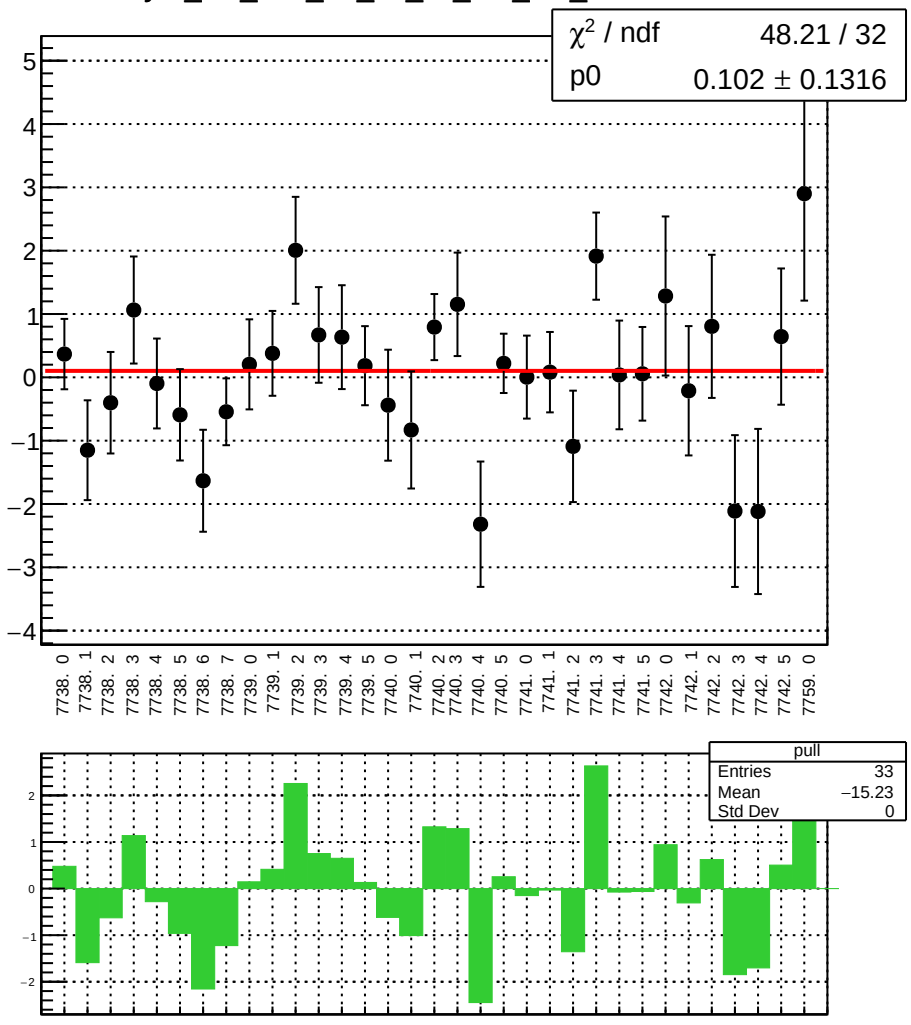

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 34.7 / 32
p0 −2677 ± 9511
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.19
Std Dev 0
2
1
0
−1
−2

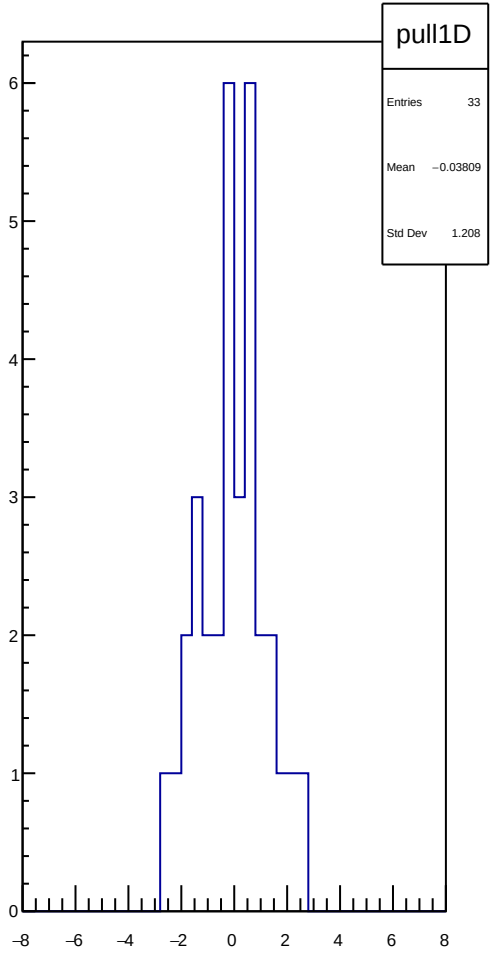

pull1D
Entries 33
Mean −0.02439
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

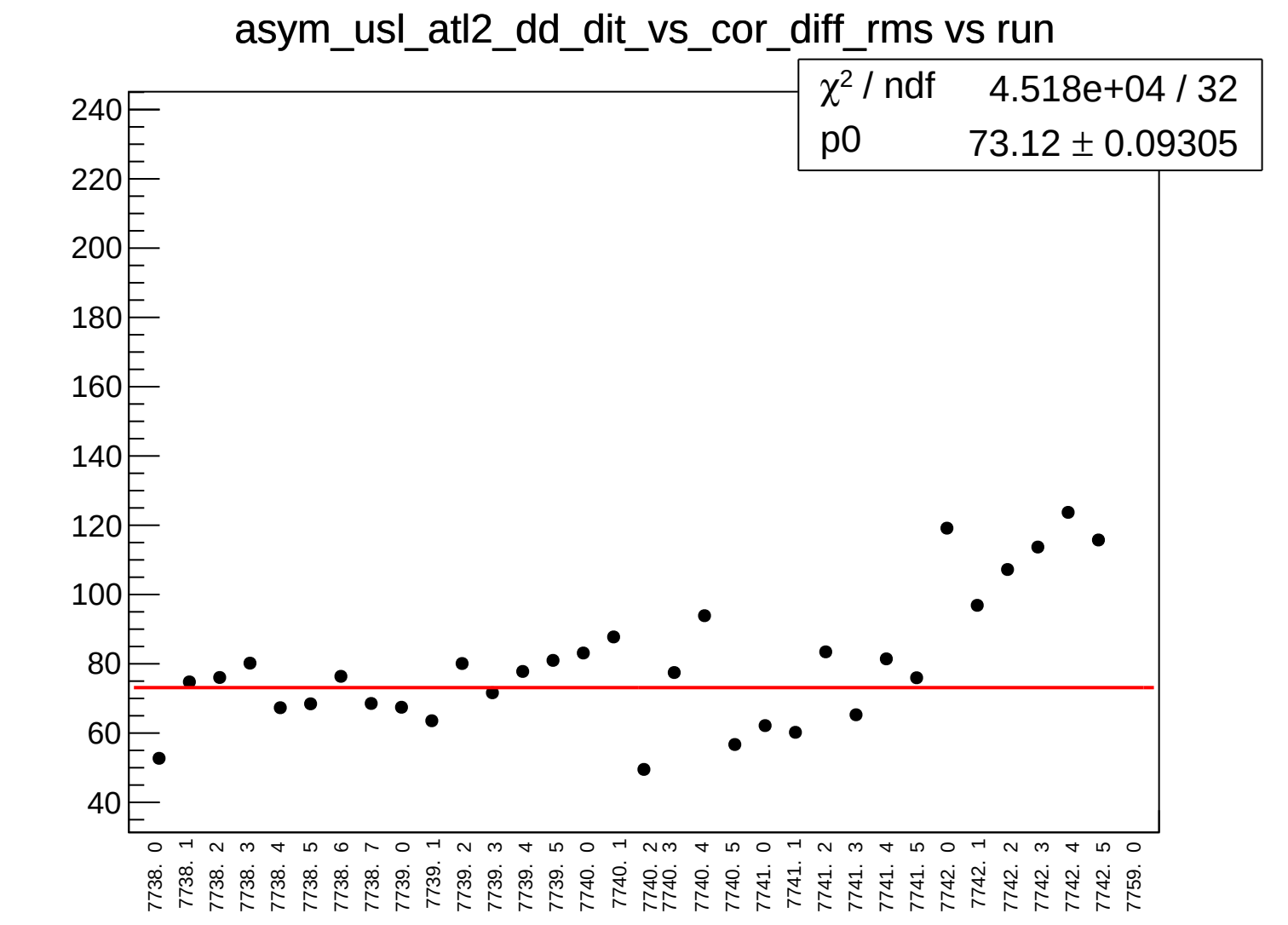

asym_usl_atl2_dd_rms vs run
χ² / ndf 4503 / 32
p0 5457 ± 6.726
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

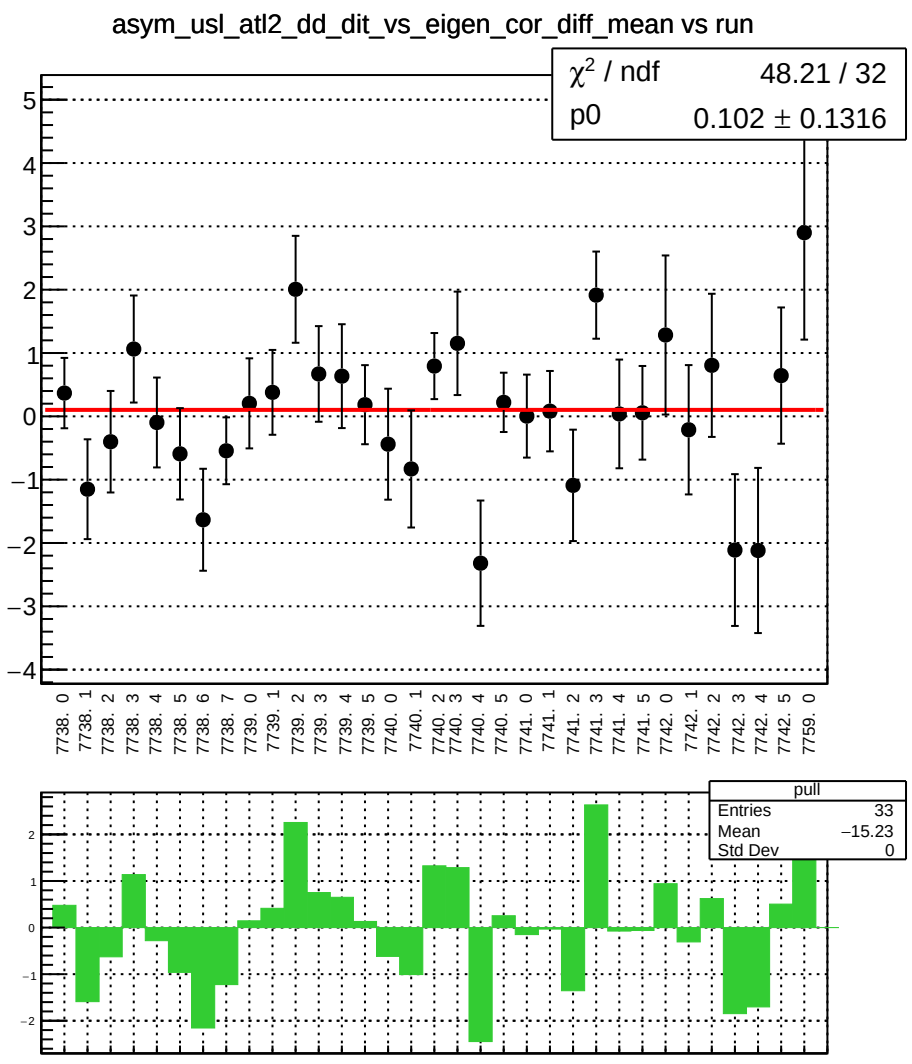

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 36.71 / 32
p0 4.332e−13 ± 8.586e−13
0.002
0.001
0
−0.001
−0.002
−0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.294
Std Dev 0
pull1D
Entries 33
Mean −0.1115
Std Dev 1.049

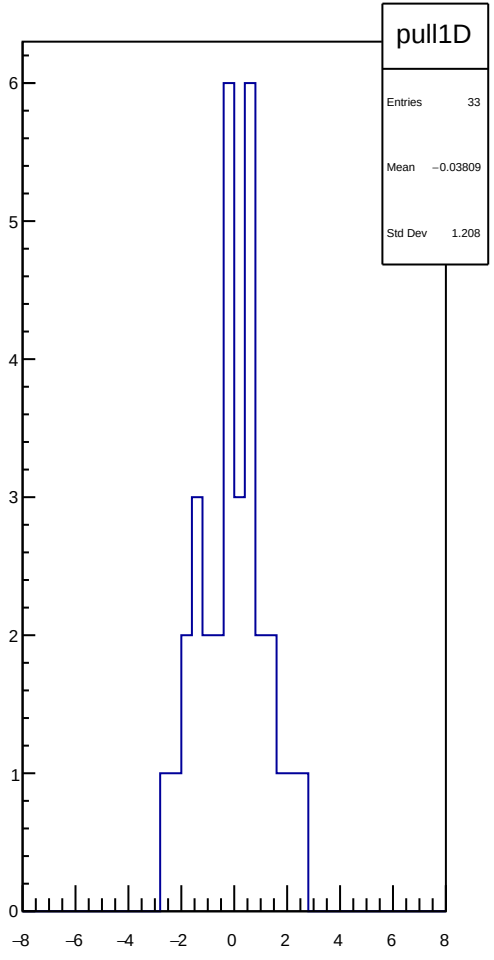

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.816e+05 / 32
p0 3.749e−10 ± 6.072e−13
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

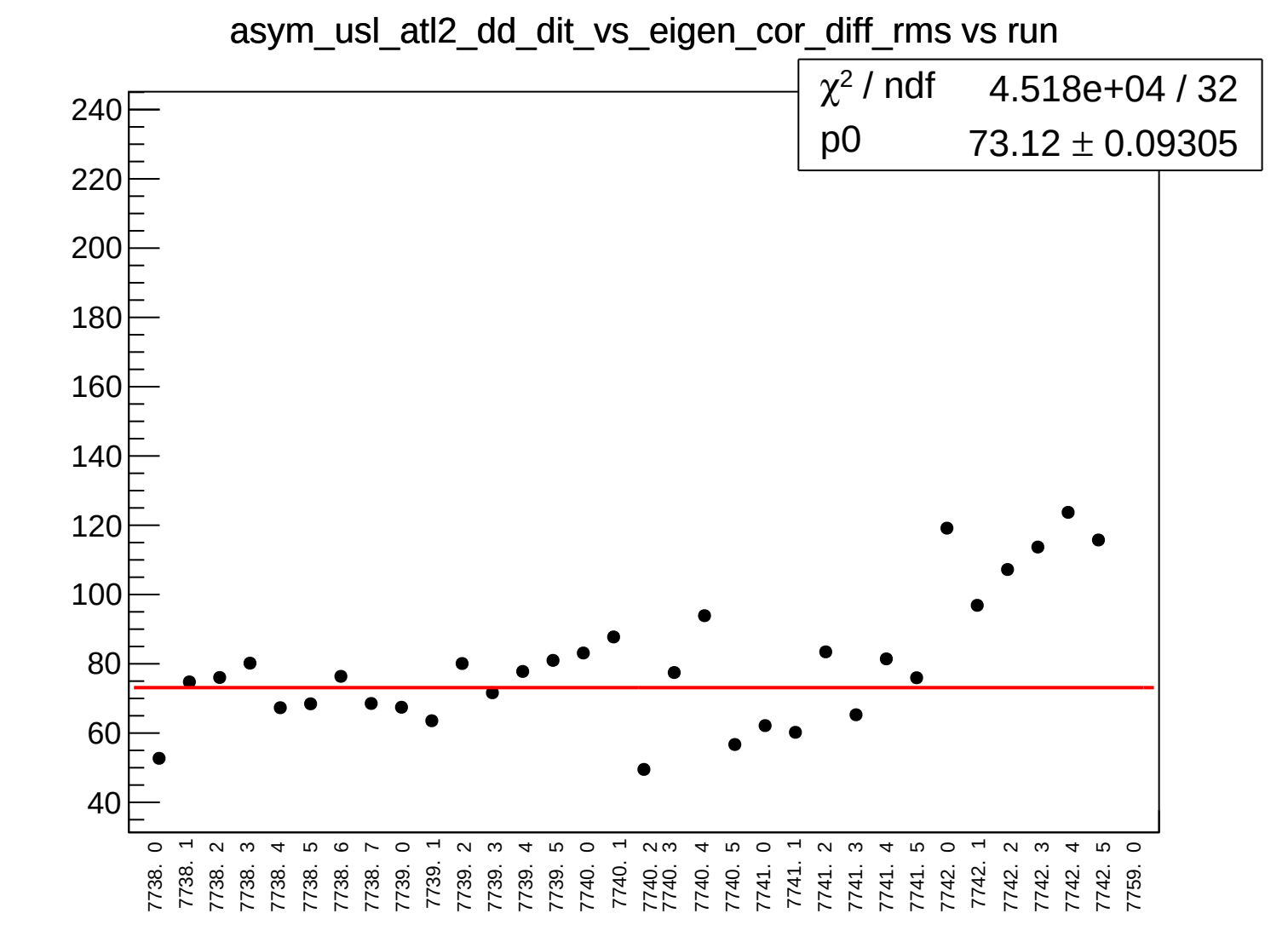

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.21 / 32
p0 0.102 ± 0.1316
pull
Entries 33
Mean −15.23
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

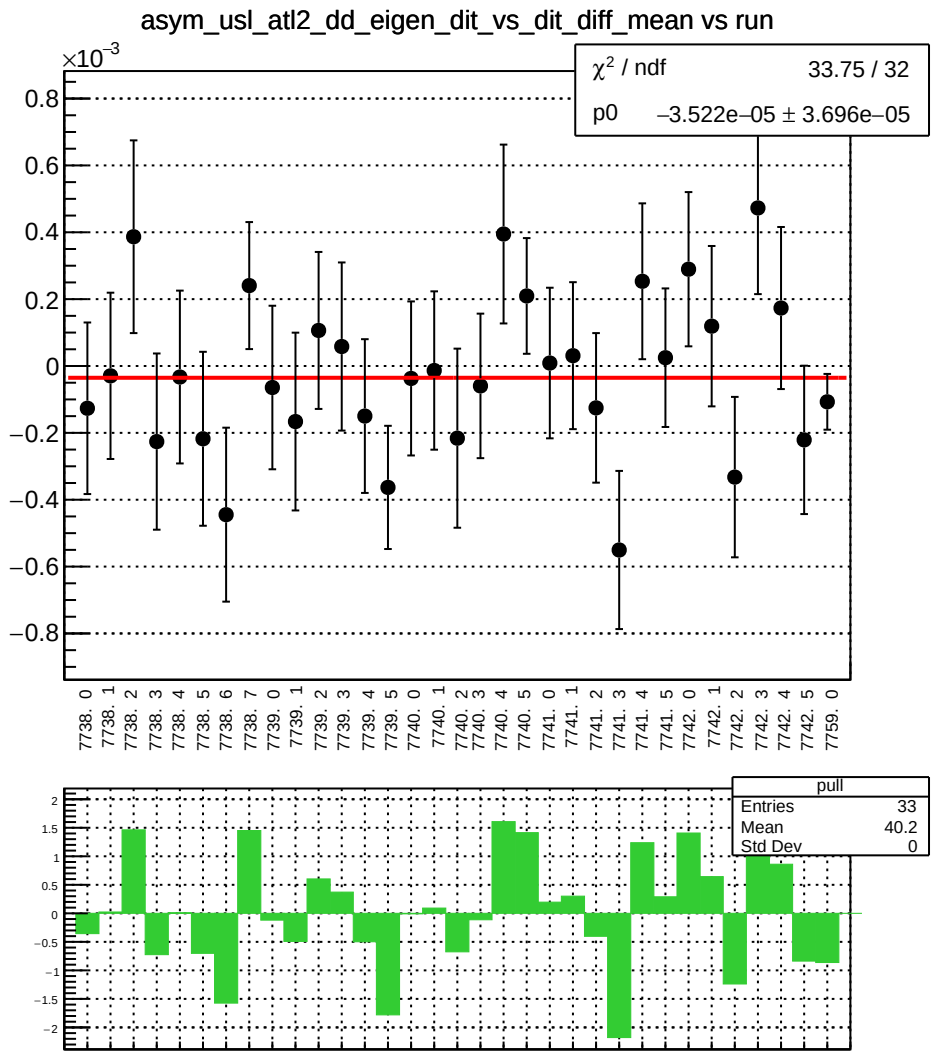

pull1D
Entries 33
Mean −0.03809
Std Dev 1.208

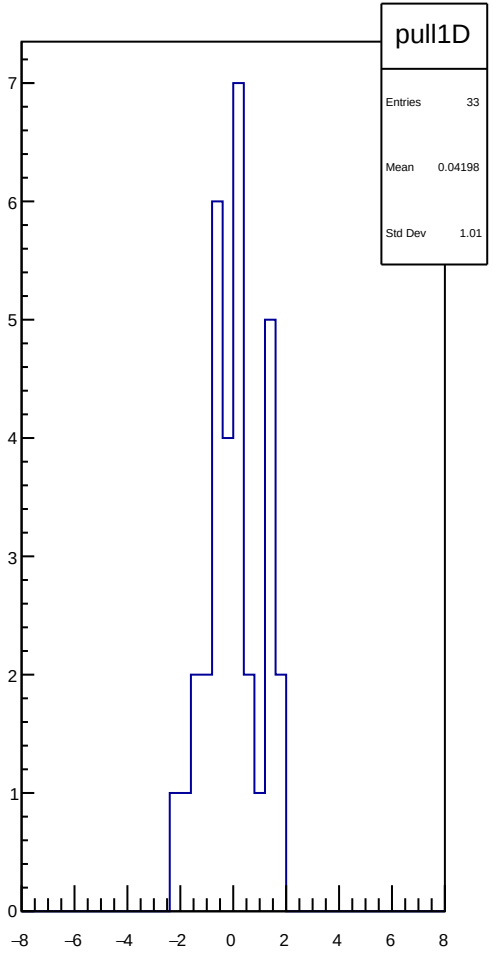

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.518e+04 / 32
p0 73.12 ± 0.09305
240
220
200
180
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

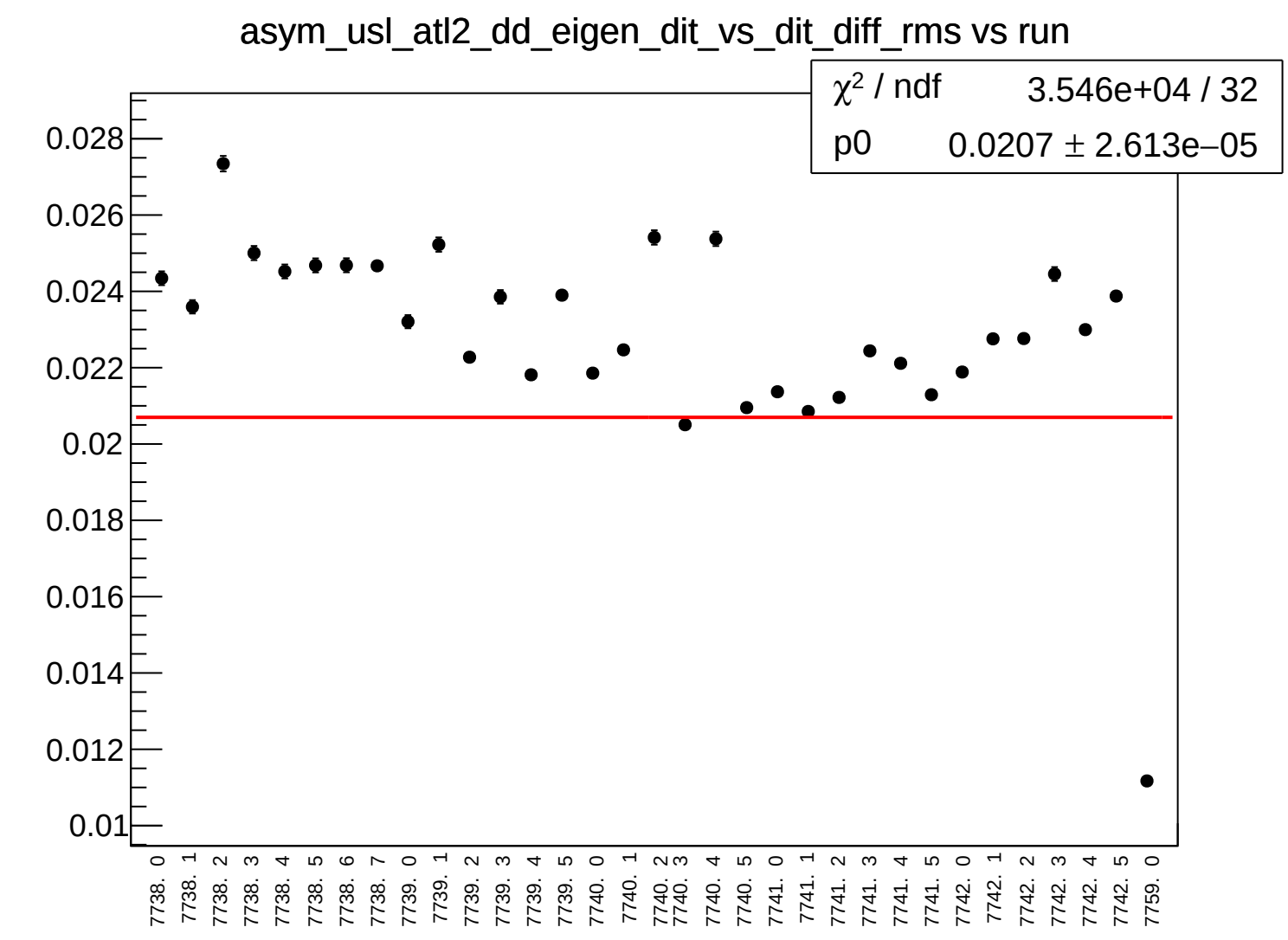

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.21 / 32
p0 0.102 ± 0.1316
pull
Entries 33
Mean −15.23
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

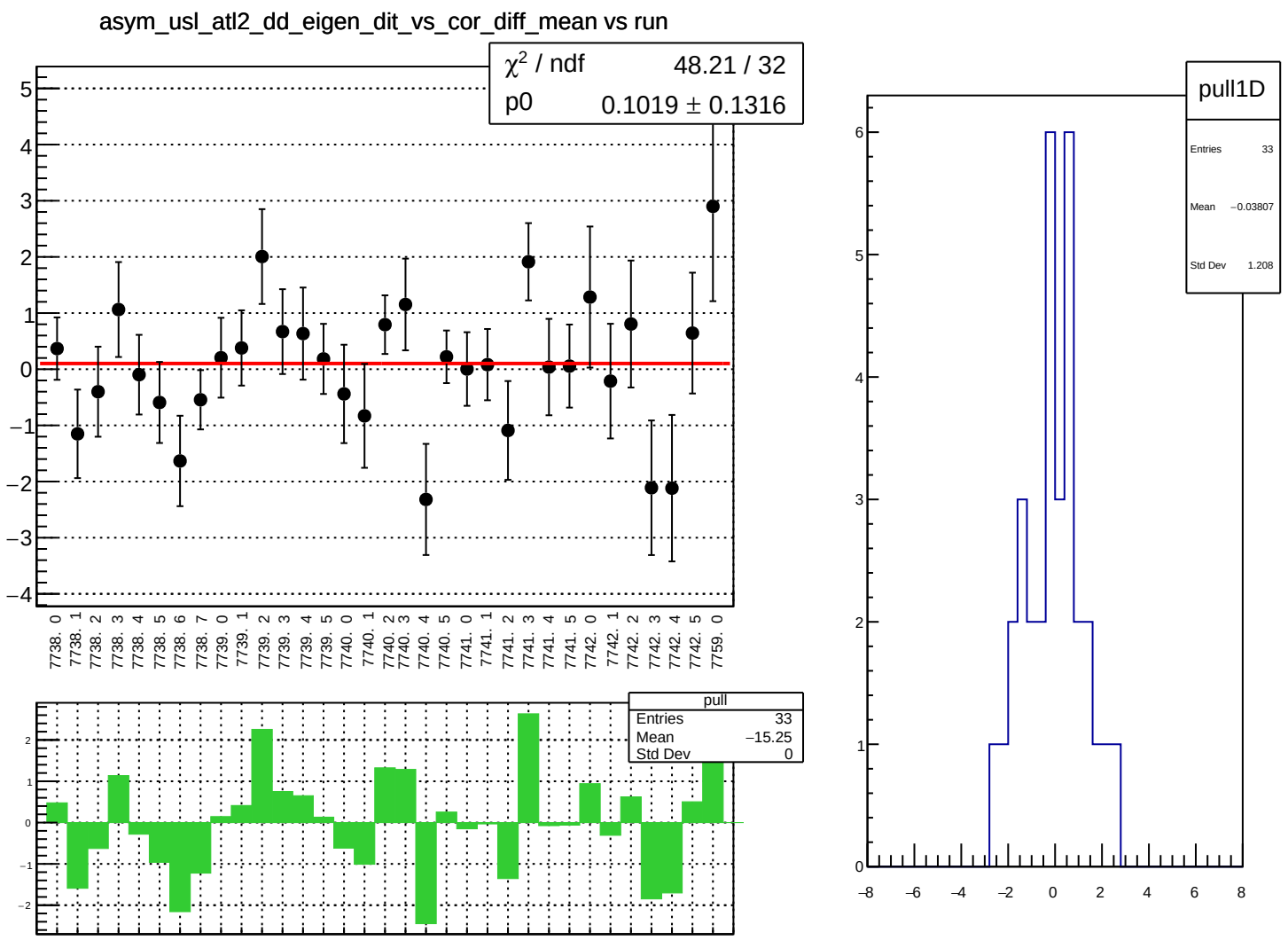

pull1D
Entries 33
Mean −0.03809
Std Dev 1.208

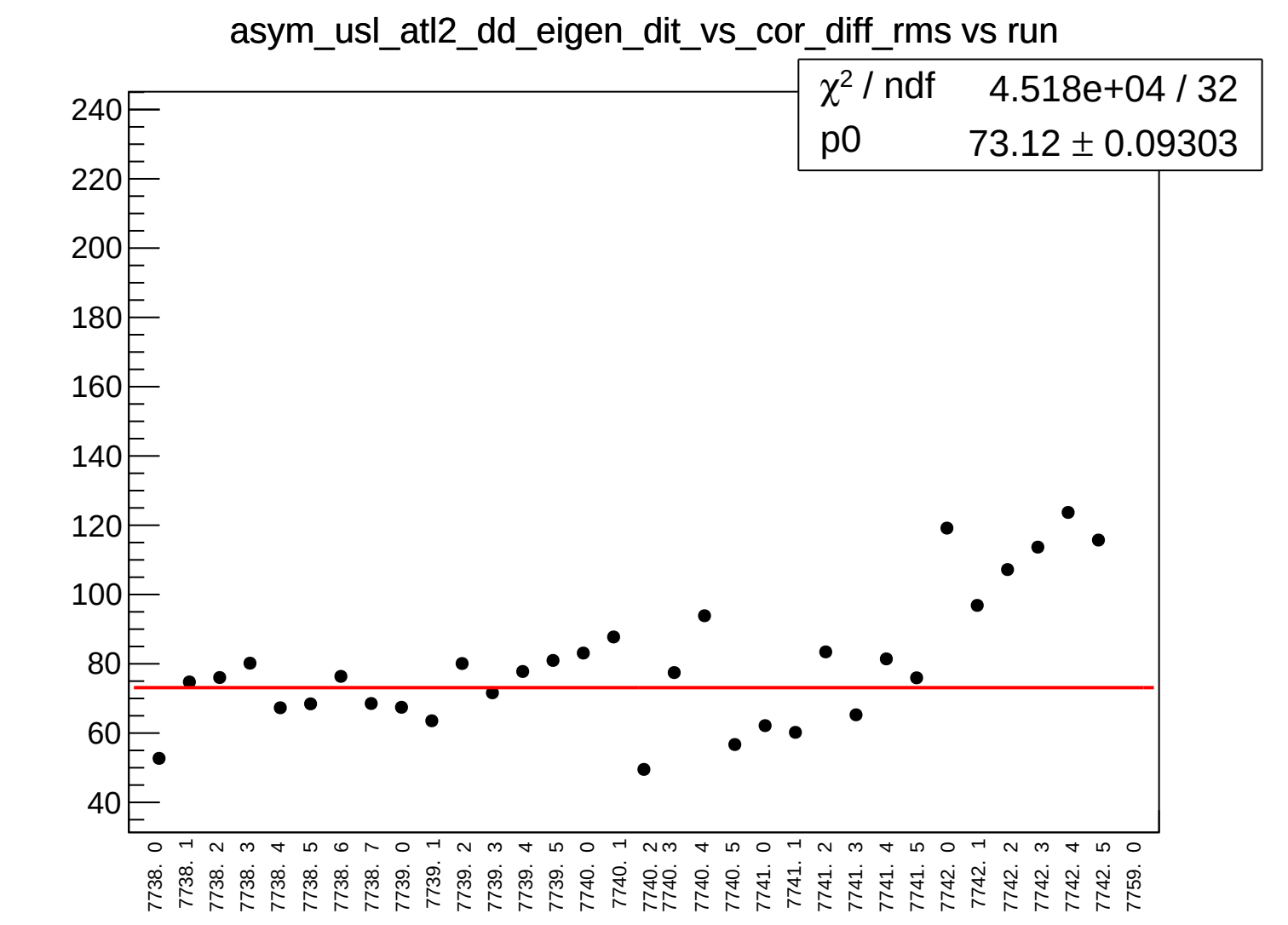

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.518e+04 / 32
p0 73.12 ± 0.09305
240
220
200
180
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.75 / 32
p0 −3.522e−05 ± 3.696e−05
pull
Entries 33
Mean 40.2
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

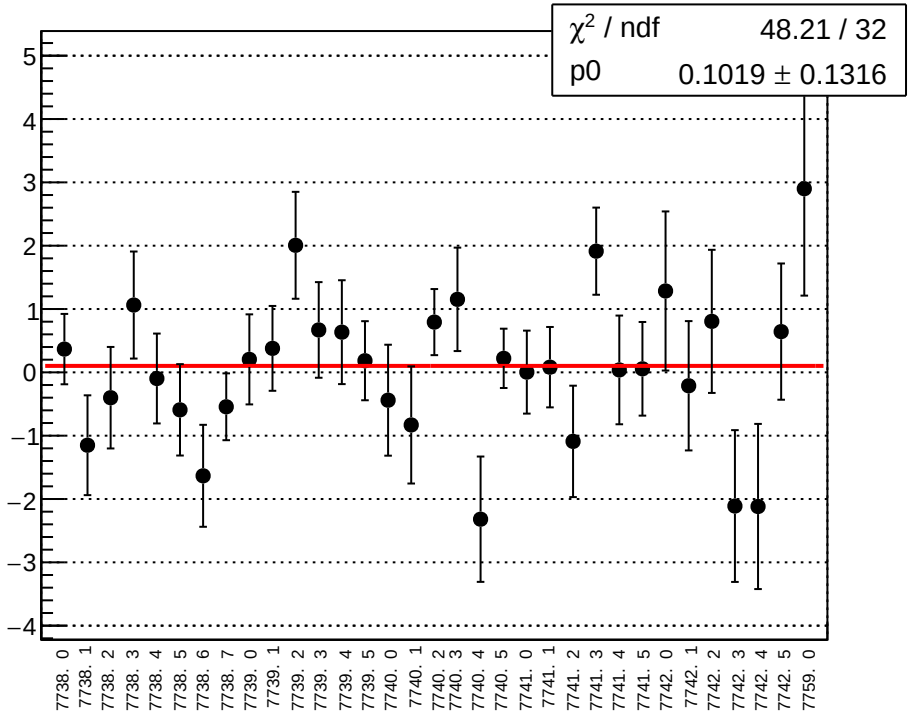

pull1D
Entries 33
Mean 0.04198
Std Dev 1.01

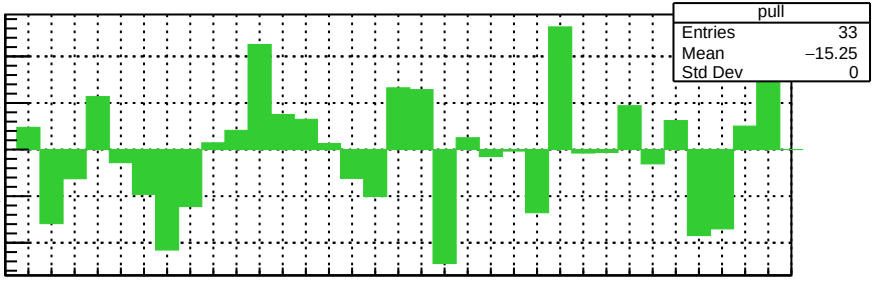

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.546e+04 / 32
p0 0.0207 ± 2.613e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

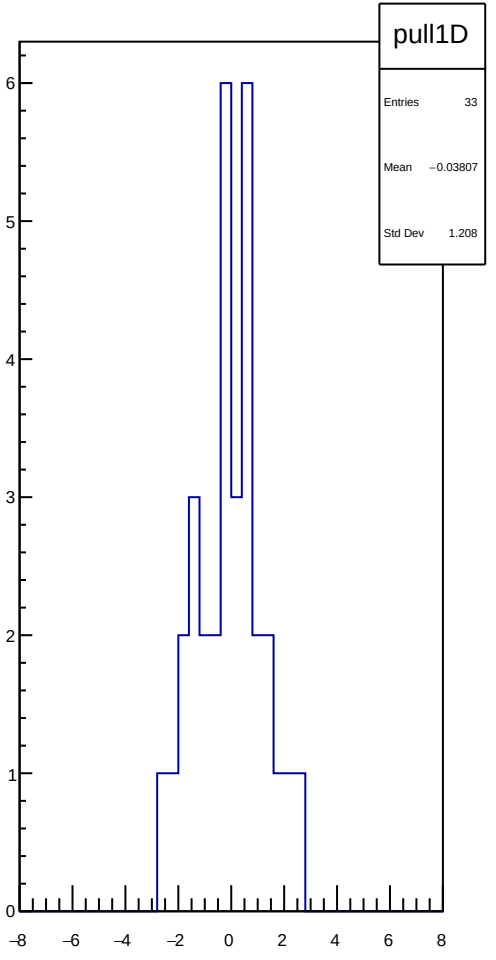

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.21 / 32
p0 0.1019 ± 0.1316
pull
Entries 33
Mean −15.25
Std Dev 0
pull1D
Entries 33
Mean −0.03807
Std Dev 1.208

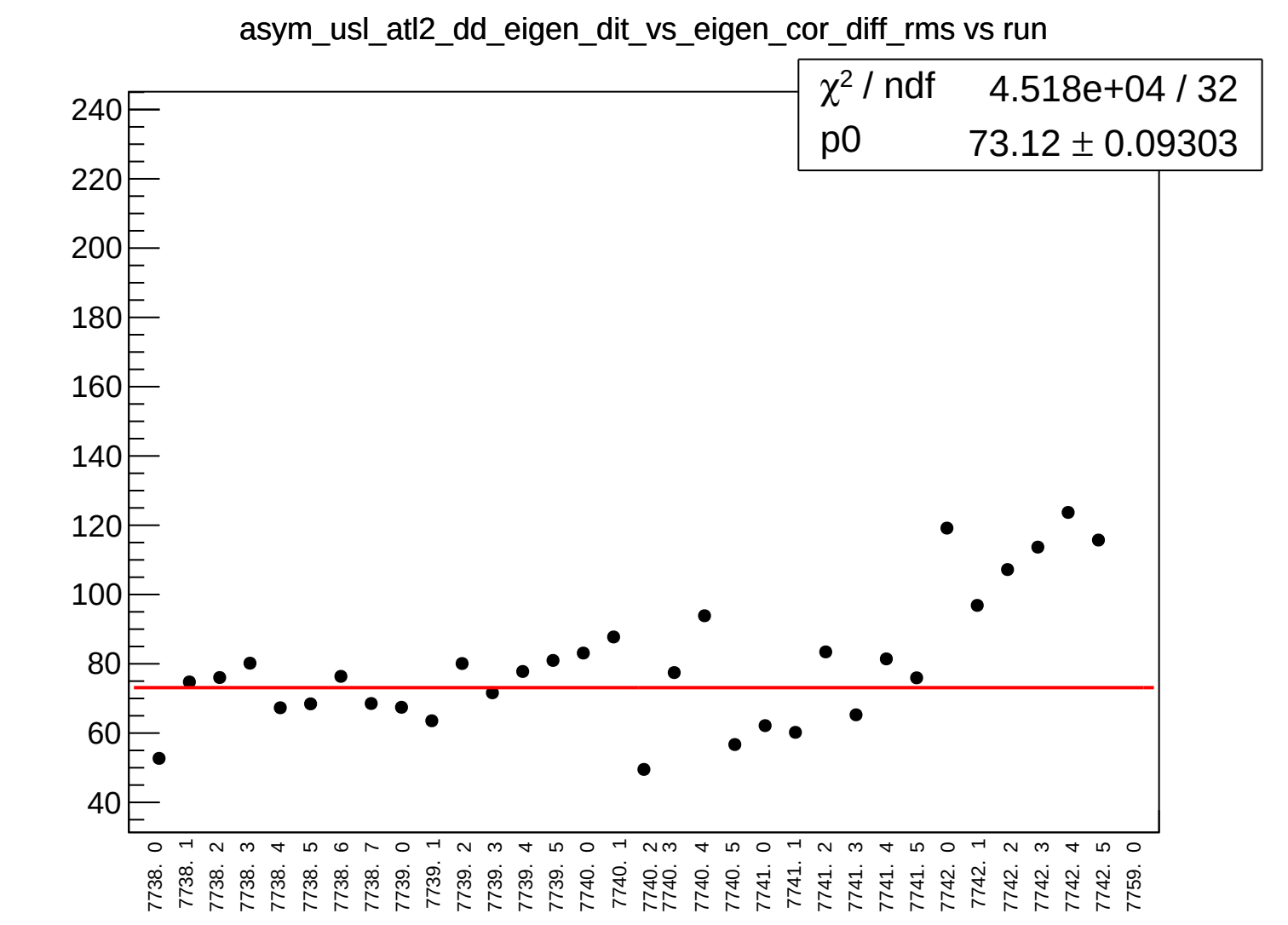

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.518e+04 / 32
p0 73.12 ± 0.09303
240
220
200
180
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

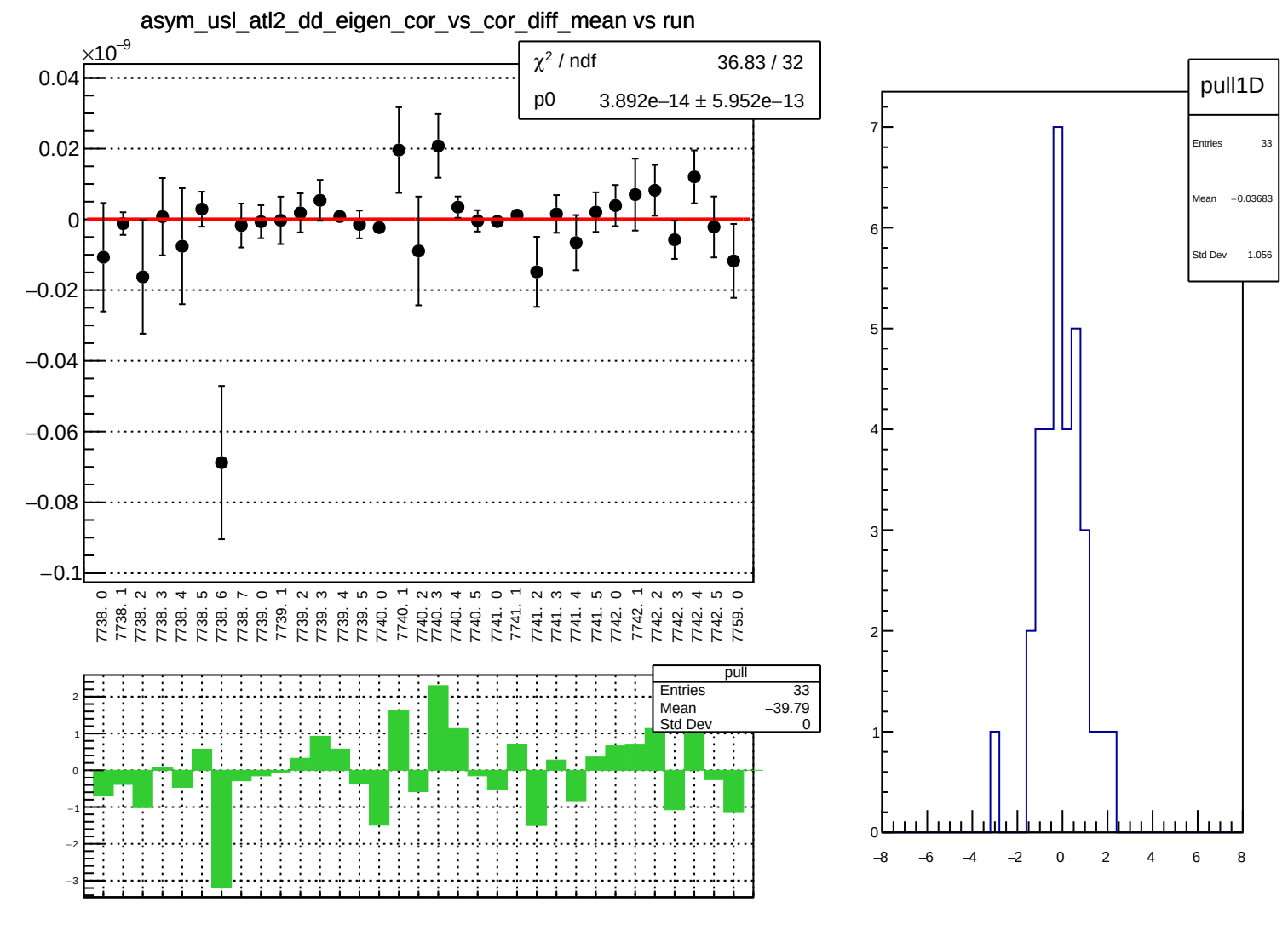
asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

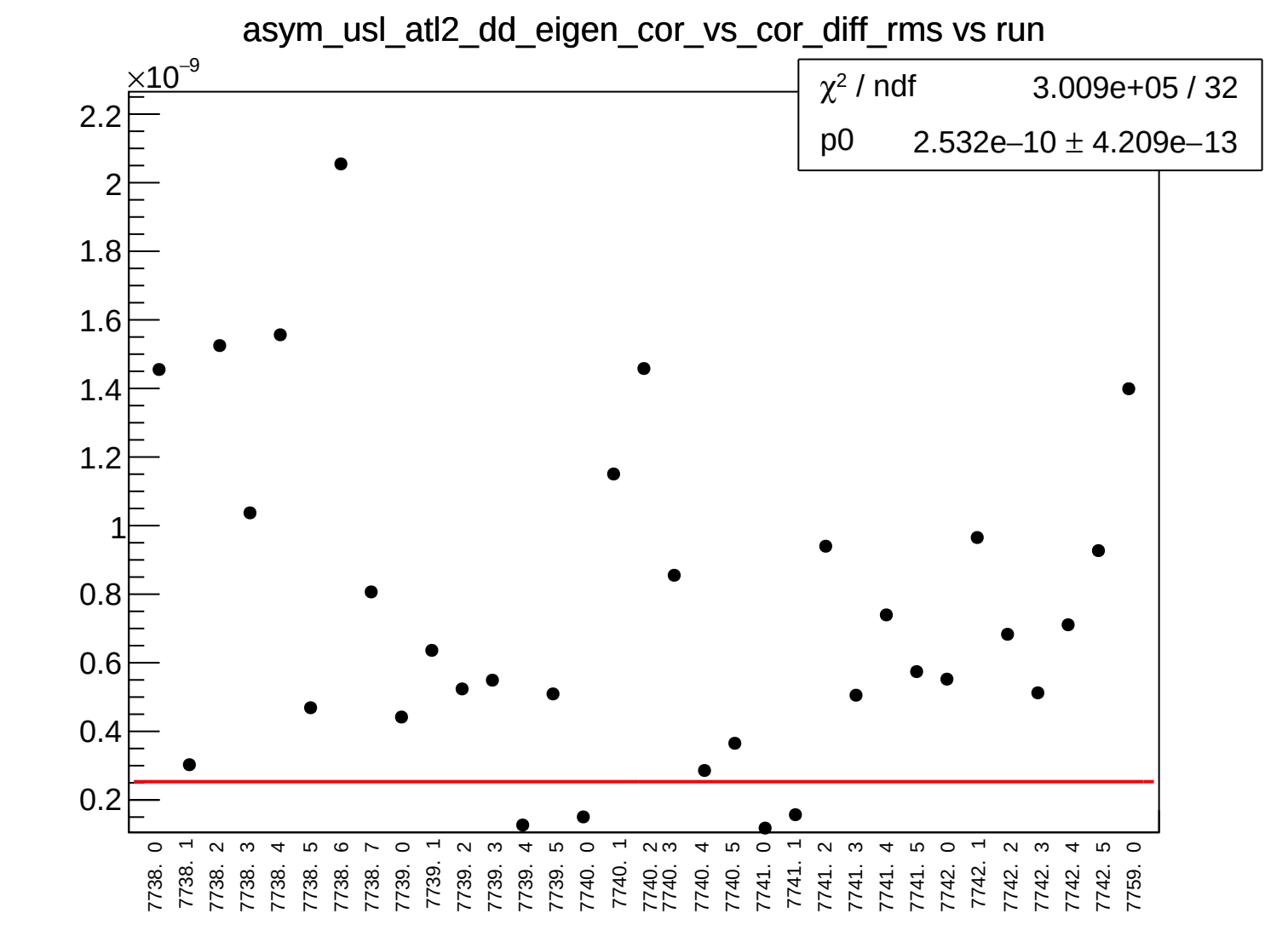


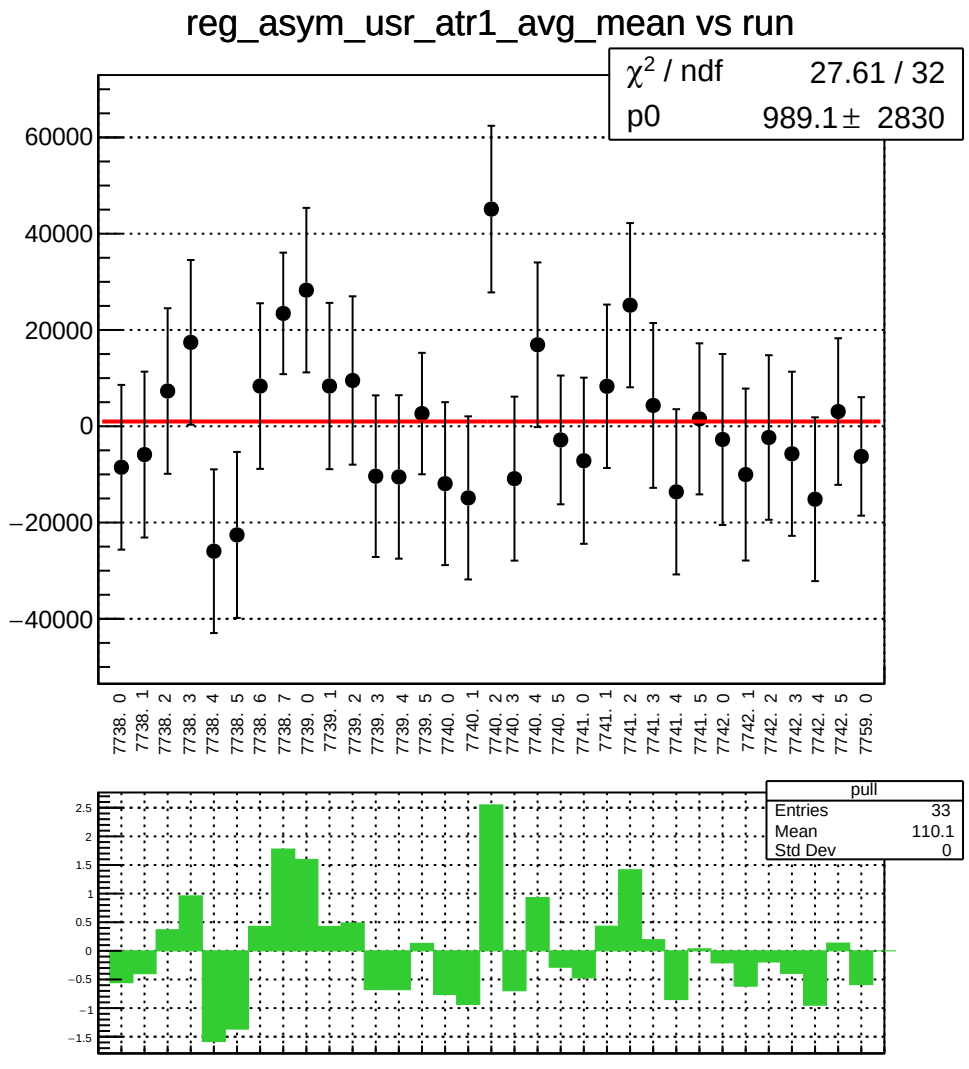


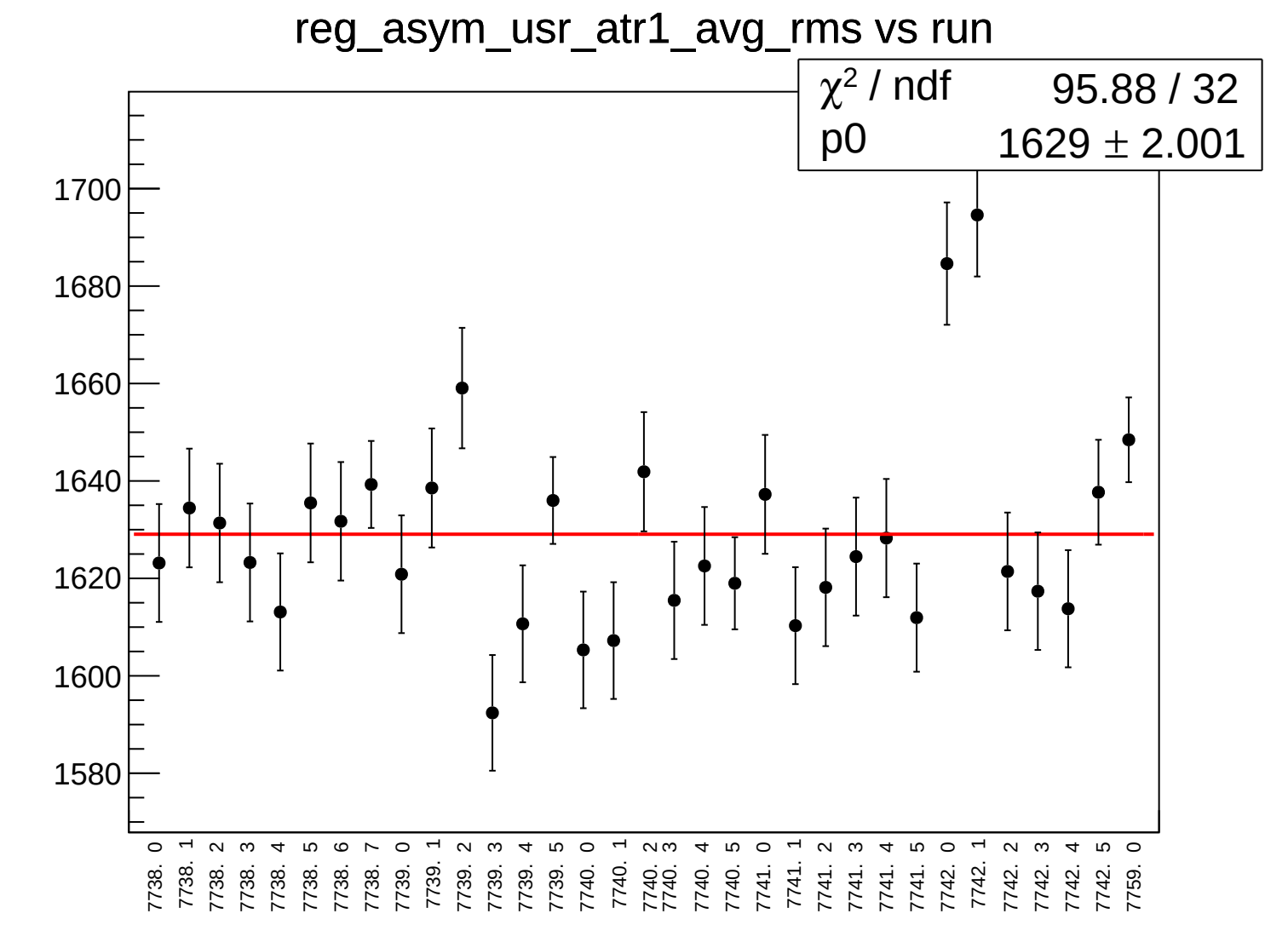


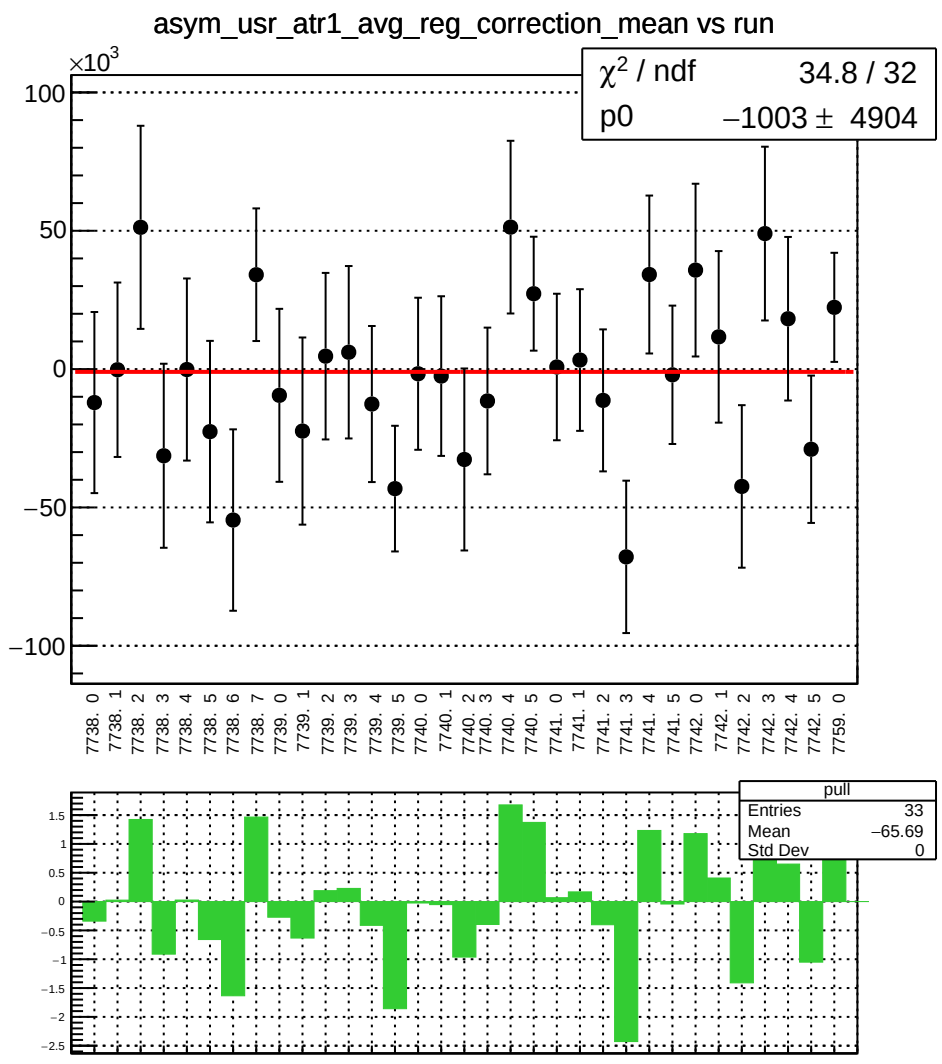

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.518e+04 / 32
p0 73.12 ± 0.09303
240
220
200
180
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

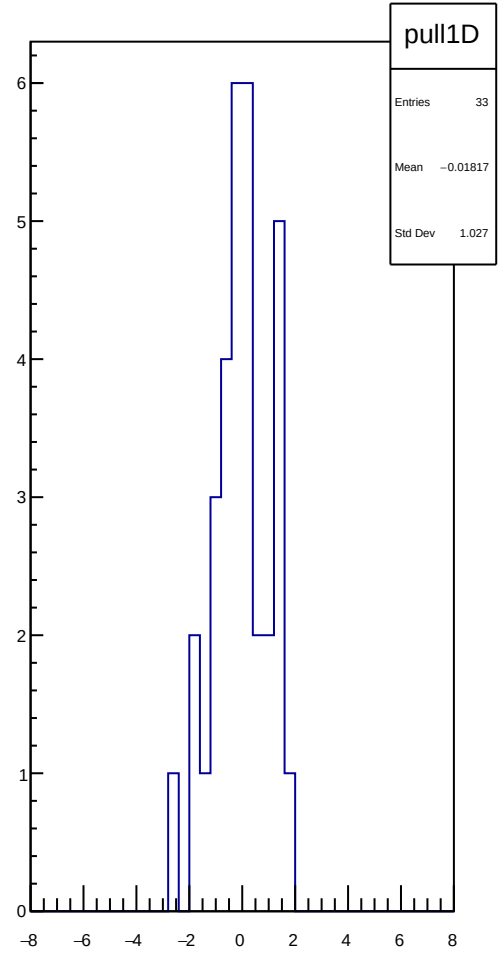

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 36.83 / 32
p0 3.892e−14 ± 5.952e−13
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −39.79
Std Dev 0
pull1D
Entries 33
Mean −0.03683
Std Dev 1.056

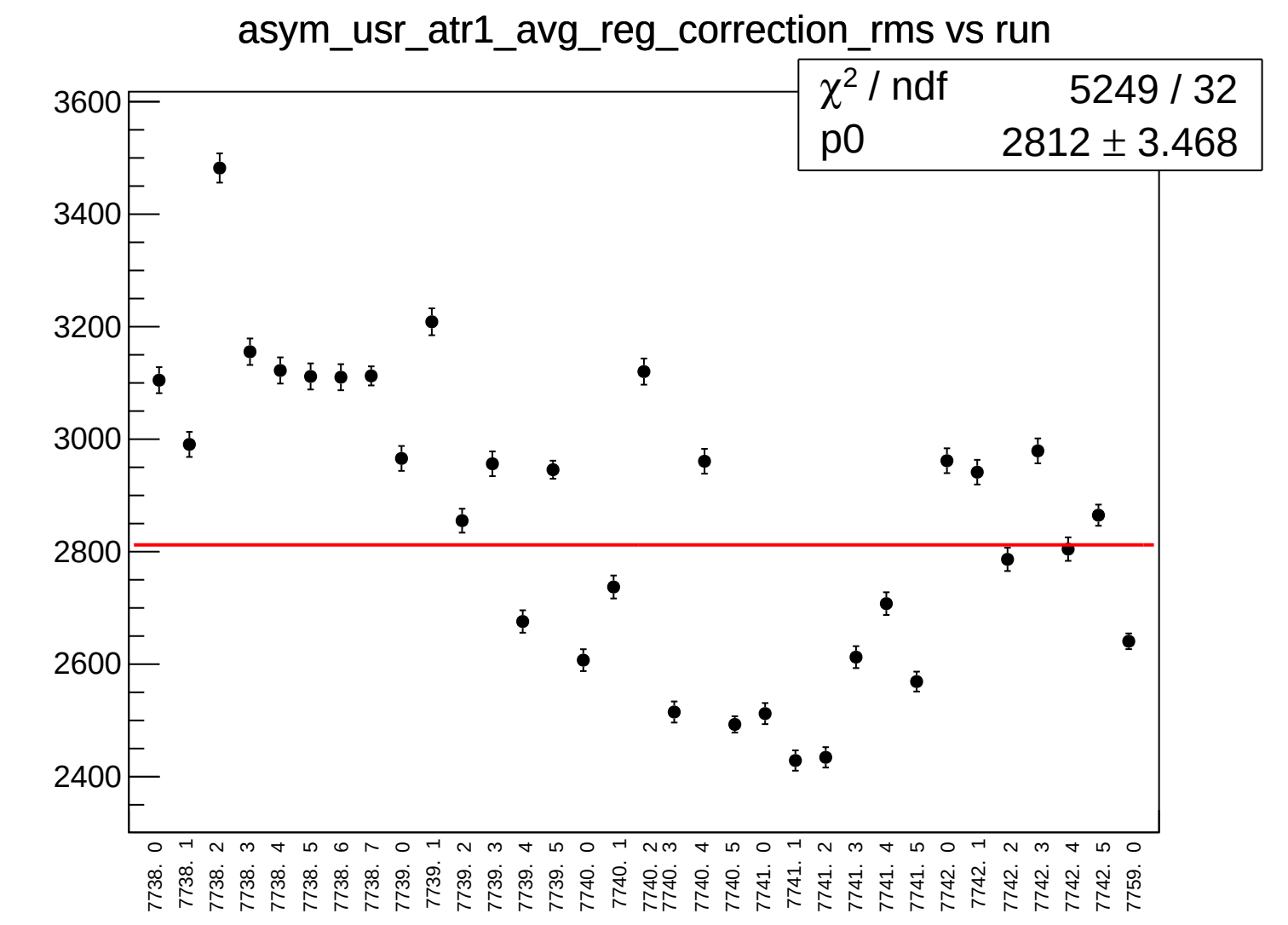

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.009e+05 / 32
p0 2.532e−10 ± 4.209e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

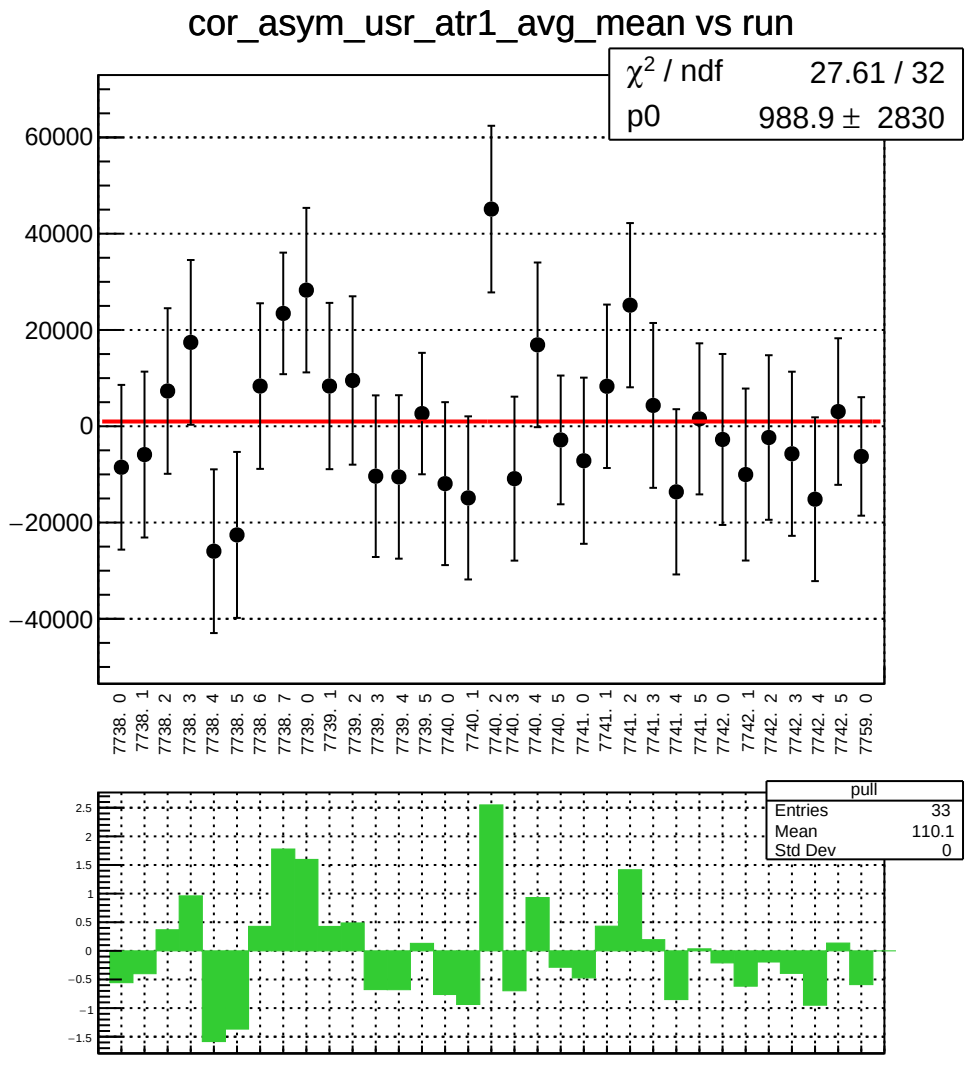

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 27.61 / 32
p0 989.1 ± 2830
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 110.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01055
Std Dev 0.9147
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

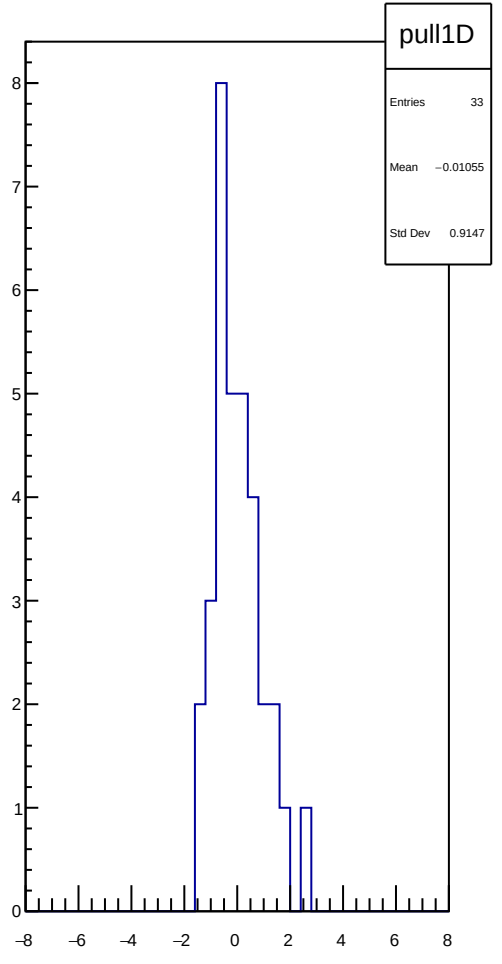

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 95.88 / 32
p0 1629 ± 2.001
1700
1680
1660
1640
1620
1600
1580
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

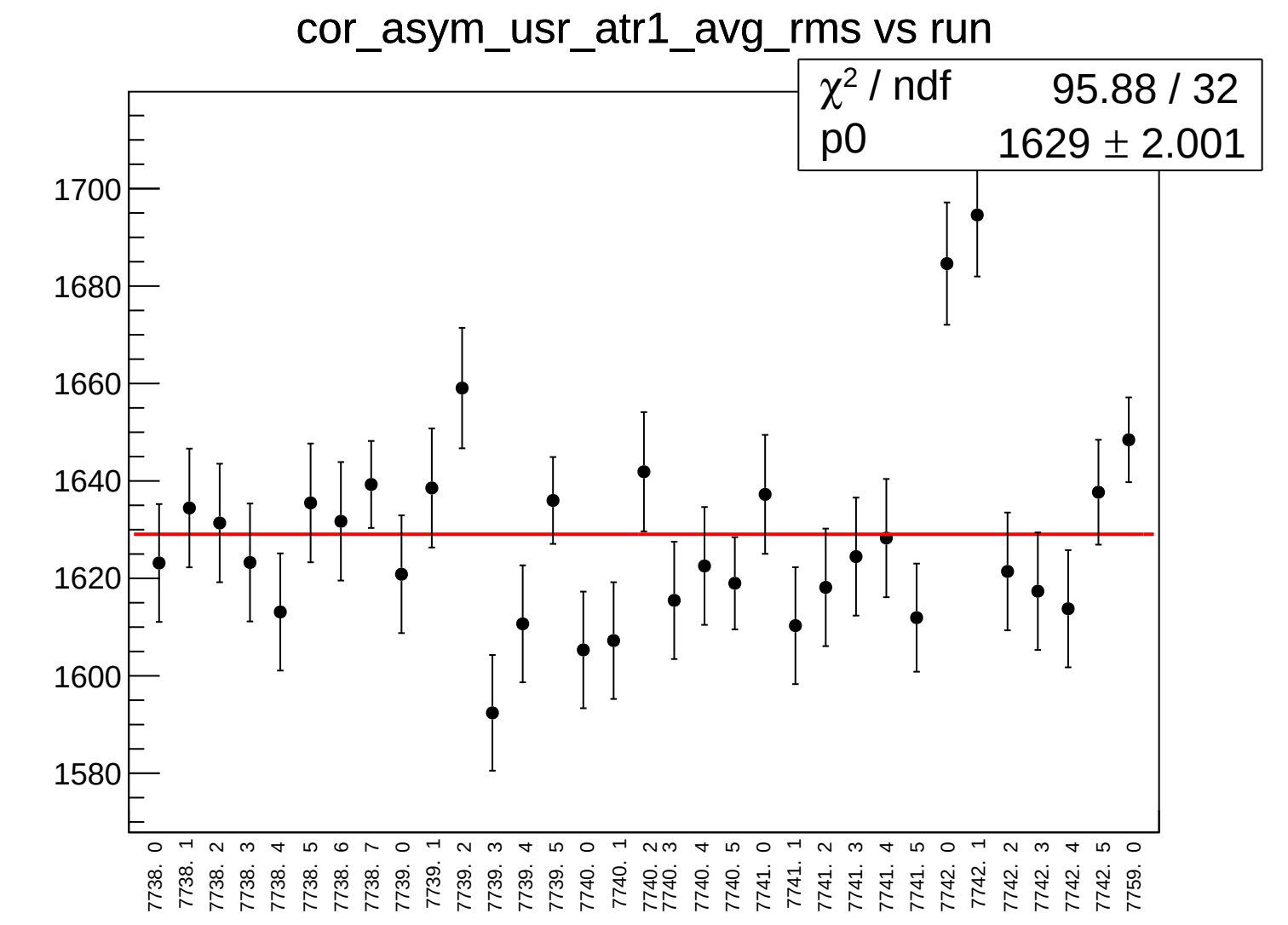

asym_usr_atr1_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.8 / 32
p0 −1003 ± 4904
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −65.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

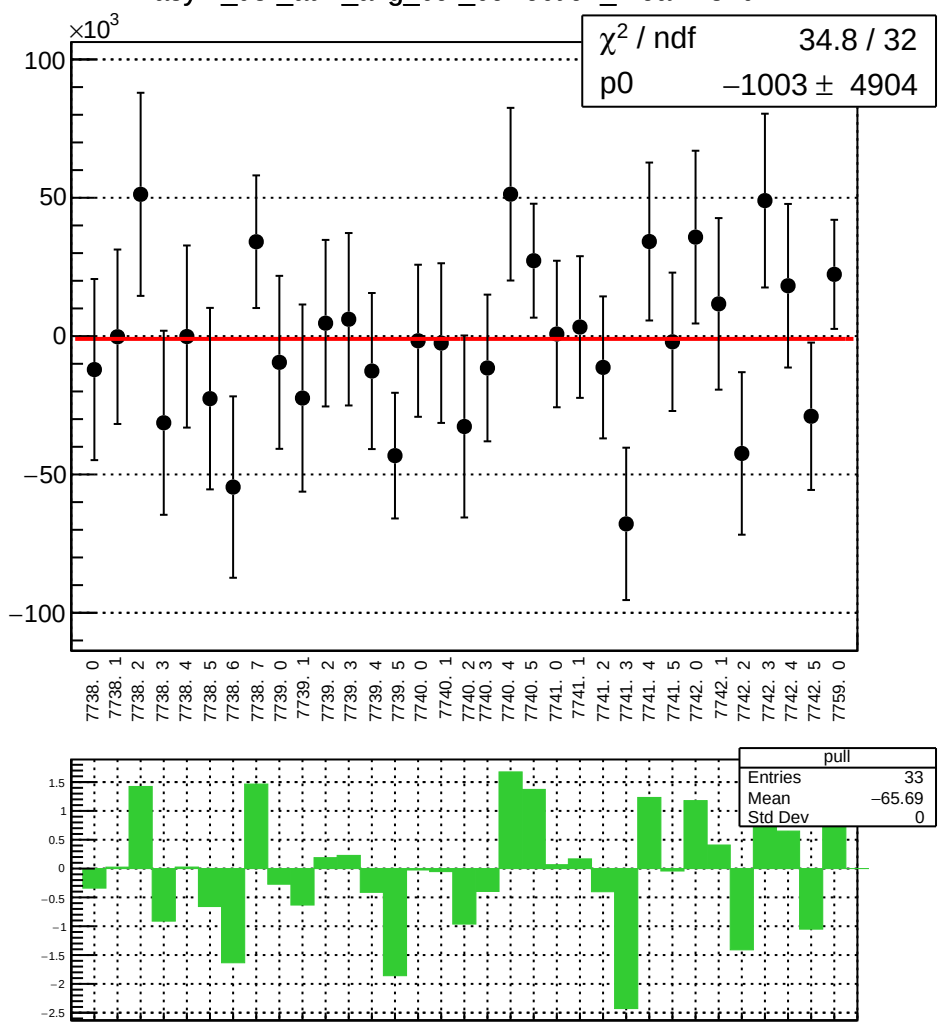

pull1D
Entries 33
Mean −0.01817
Std Dev 1.027
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

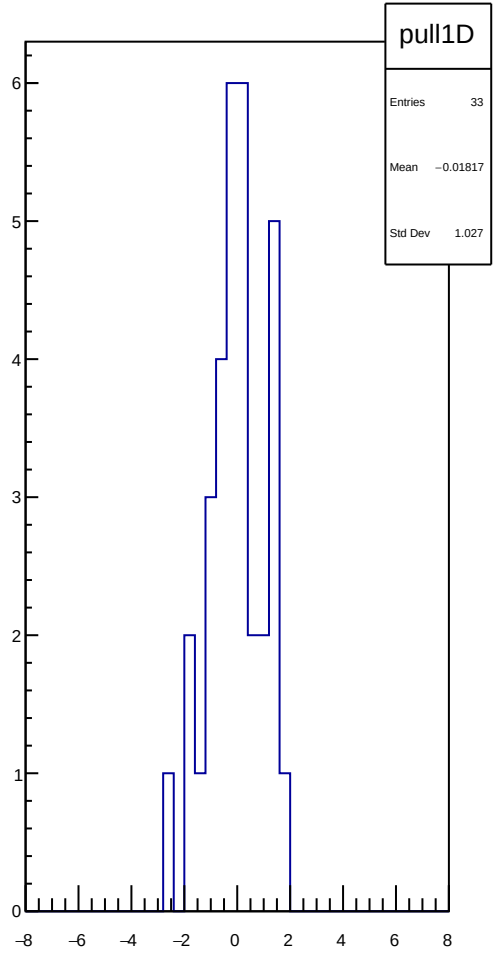

asym_usr_atr1_avg_reg_correction_rms vs run
χ^2 / ndf 5249 / 32
p0 2812 ± 3.468
3600
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

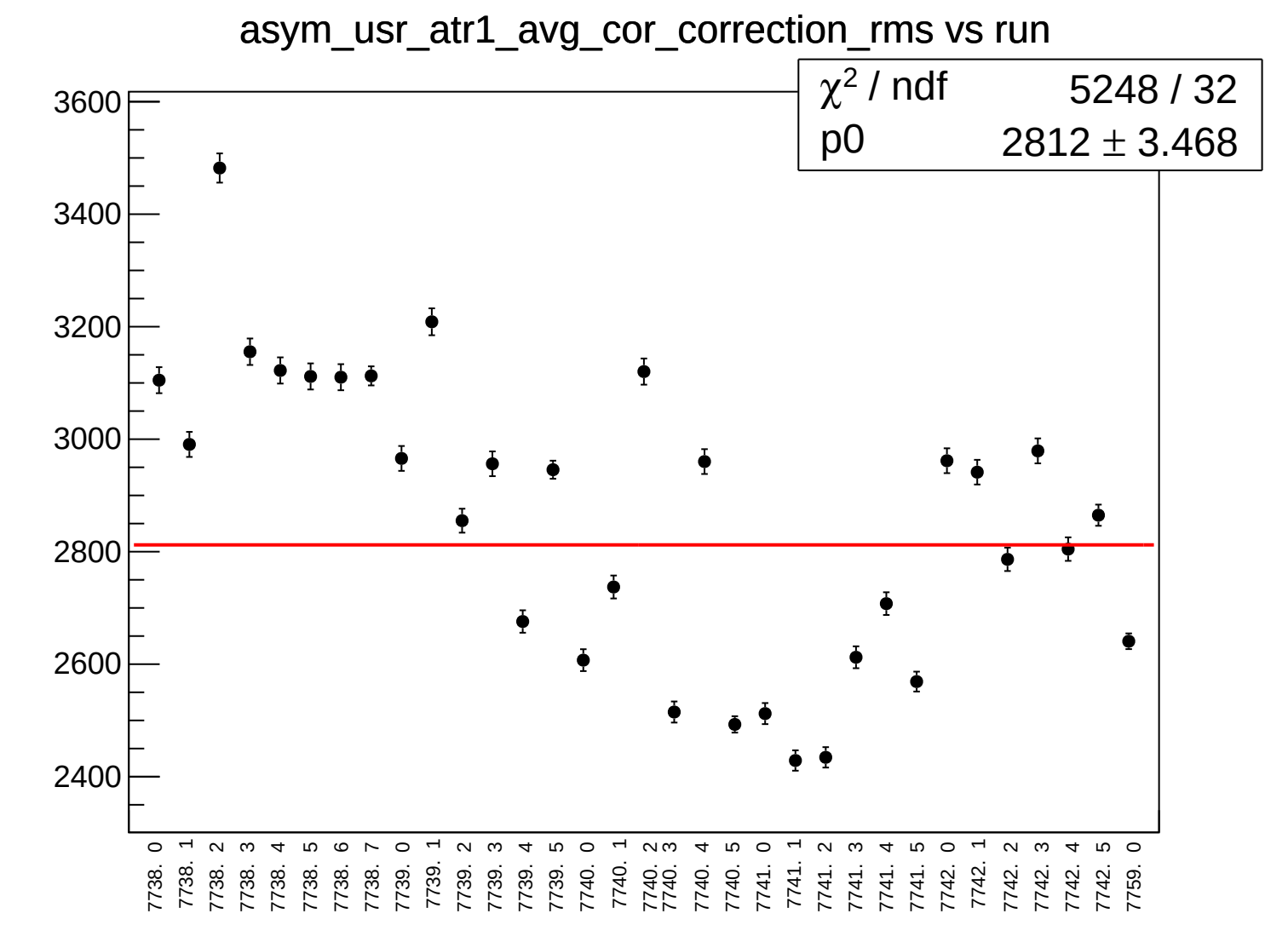

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 27.61 / 32
p0 988.9 ± 2830
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 110.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

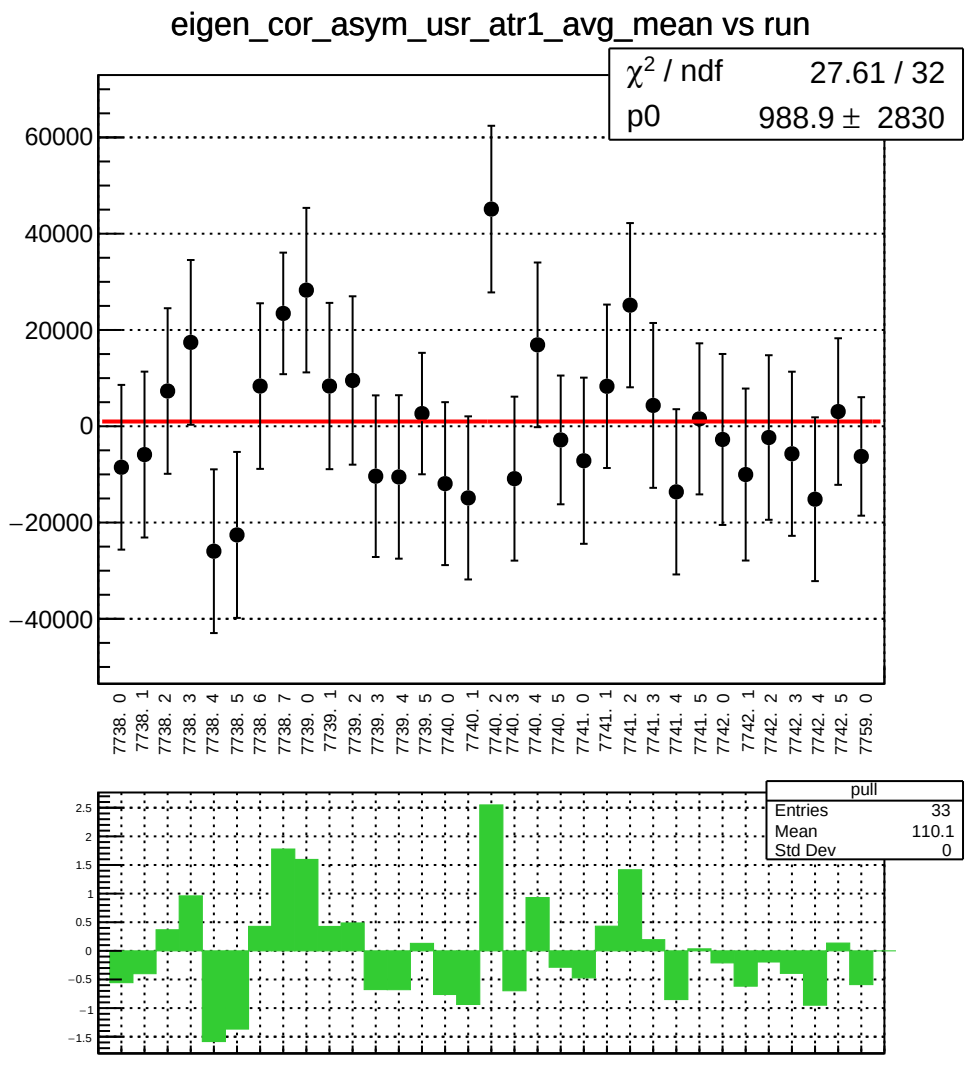

pull1D
Entries 33
Mean −0.01055
Std Dev 0.9147
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

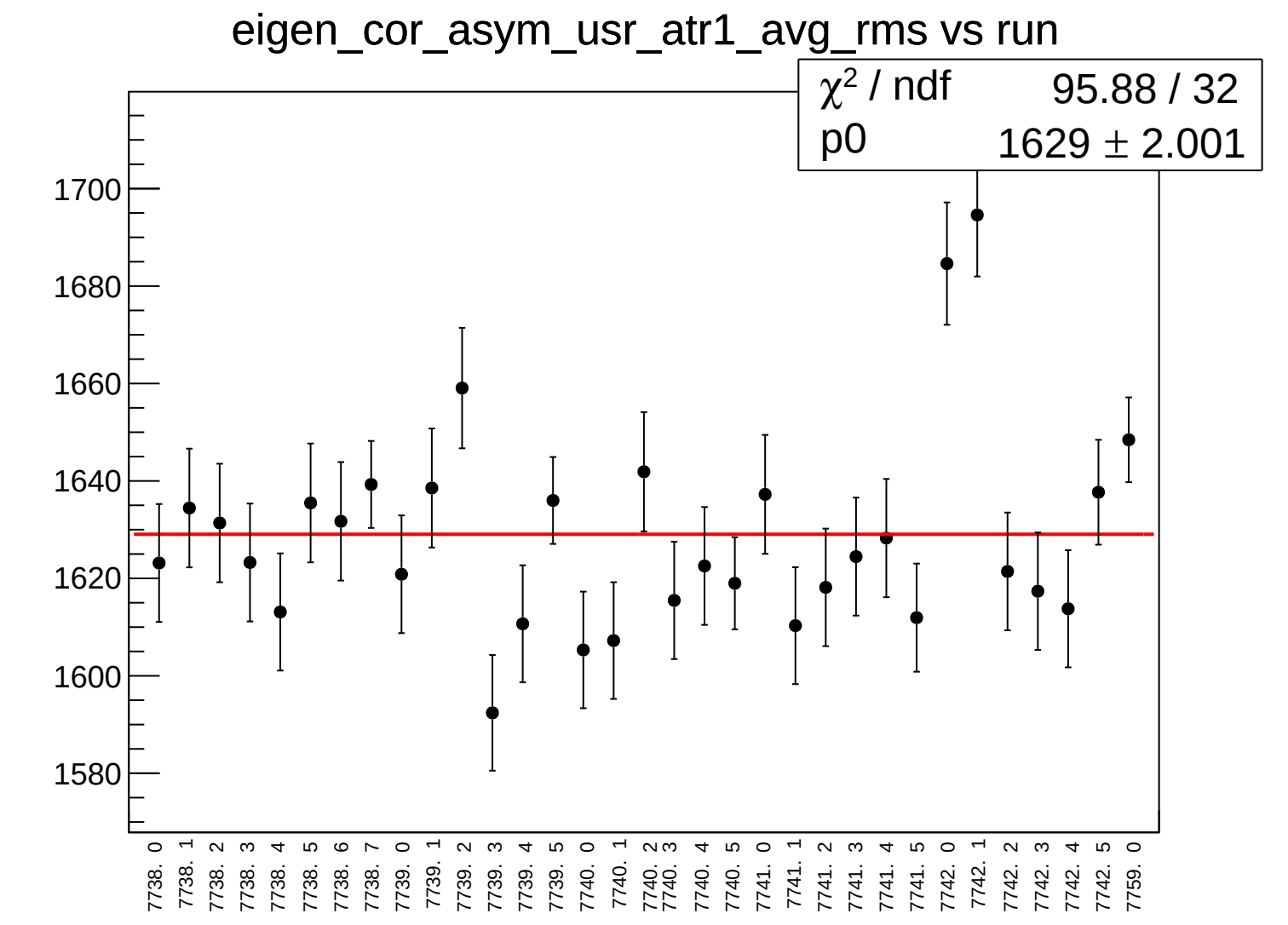

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 95.88 / 32
p0 1629 ± 2.001
1700
1680
1660
1640
1620
1600
1580
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

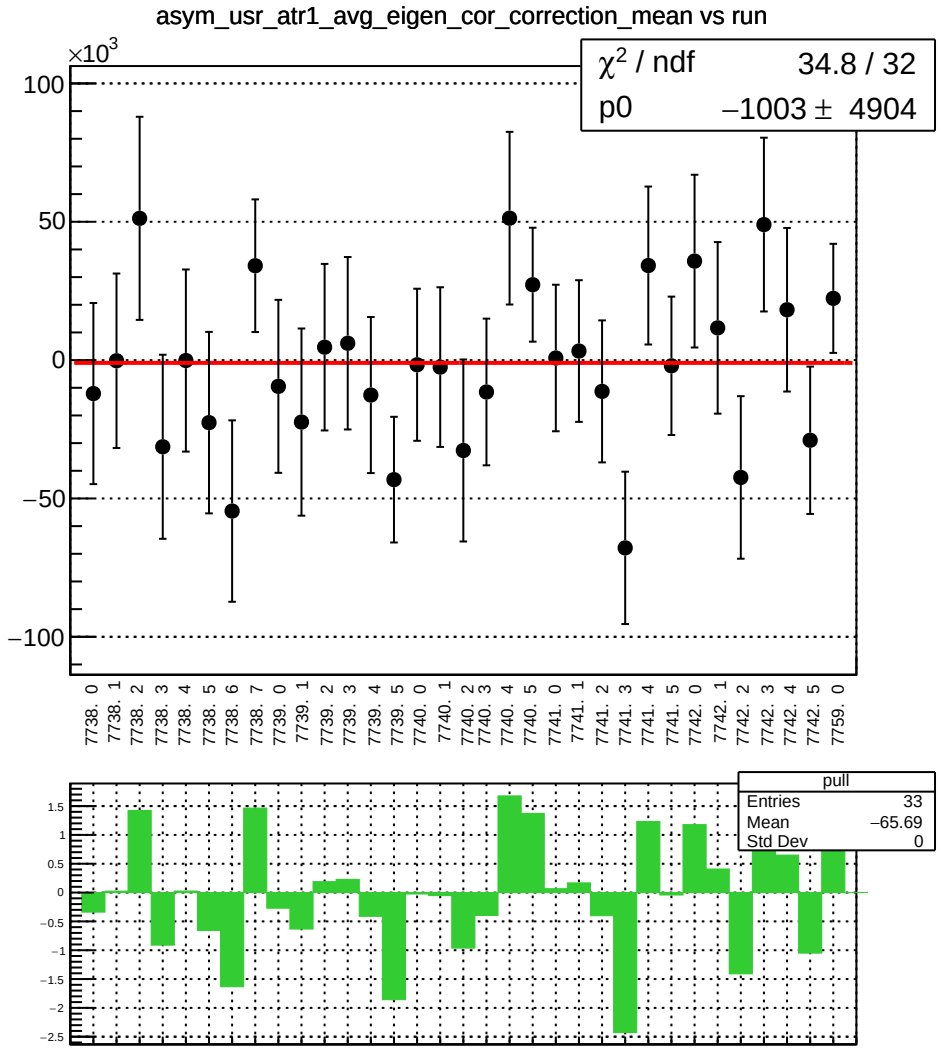

asym_usr_atr1_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.8 / 32
p0 −1003 ± 4904
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −65.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

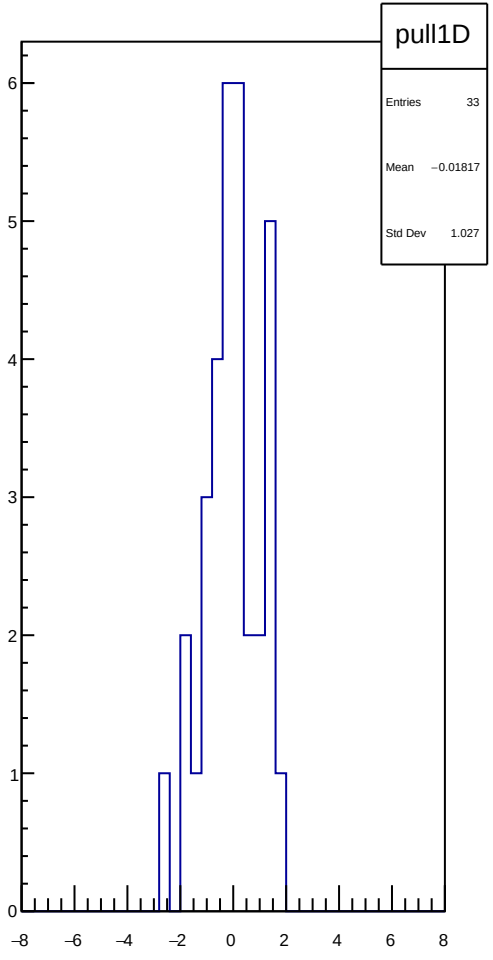

pull1D
Entries 33
Mean −0.01817
Std Dev 1.027
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

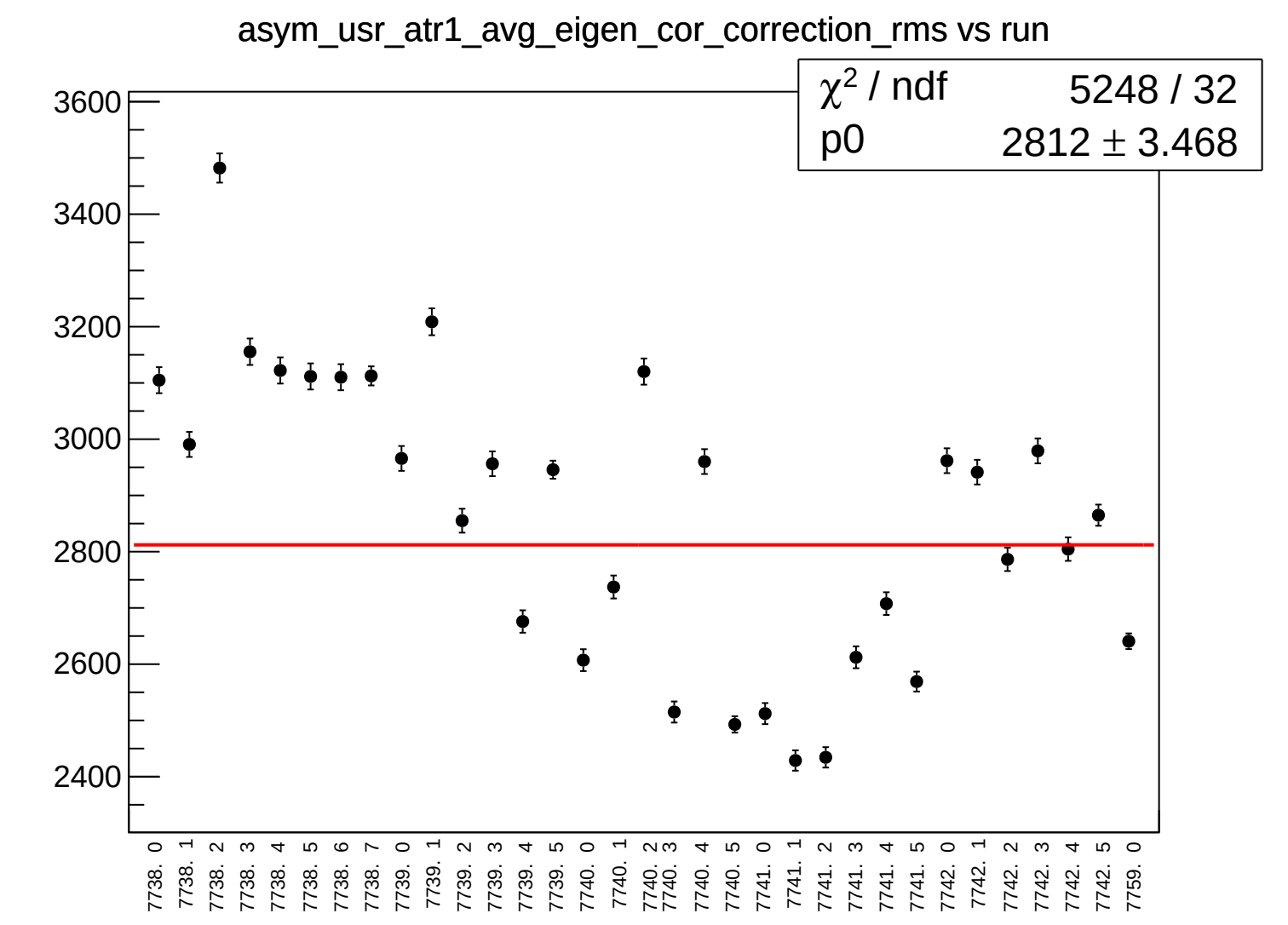

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 5248 / 32
p0 2812 ± 3.468
3600
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

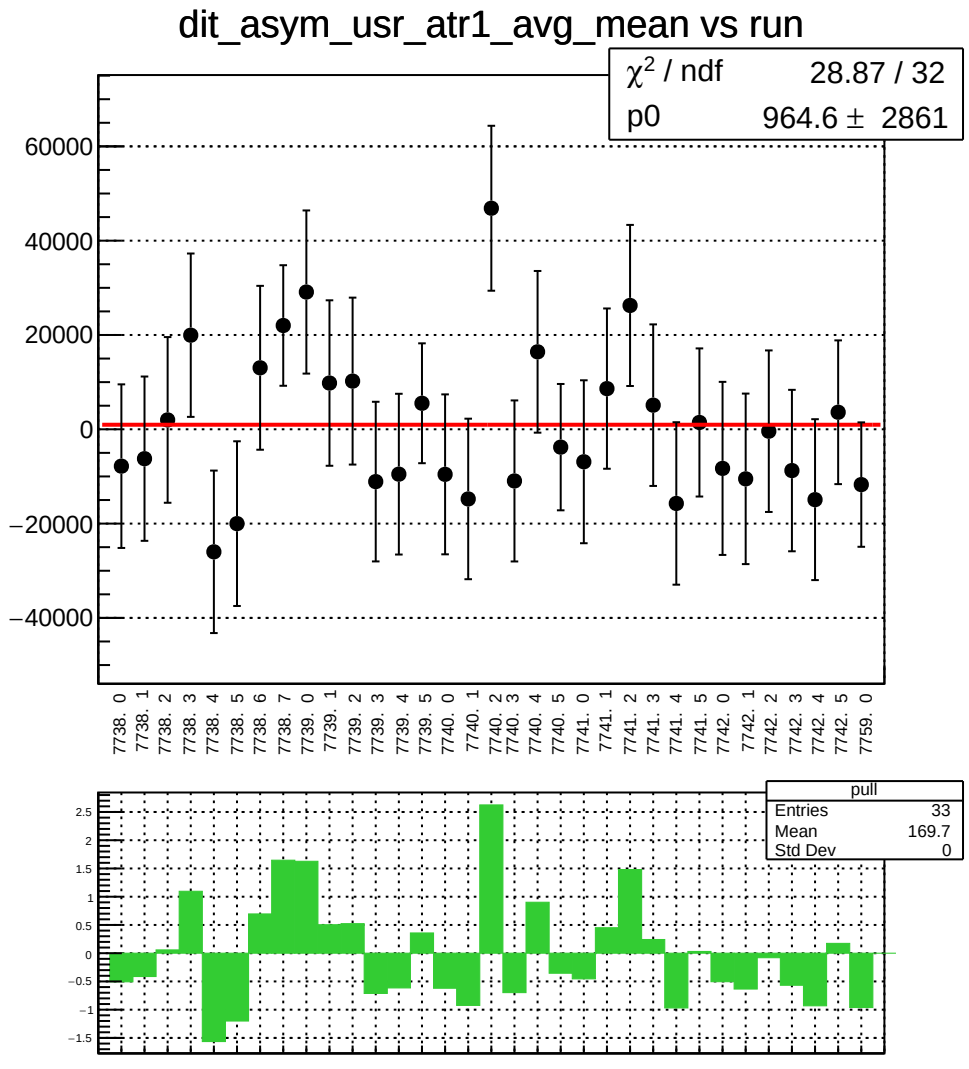

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 27.61 / 32
p0 988.9 ± 2830
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 110.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01055
Std Dev 0.9147
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

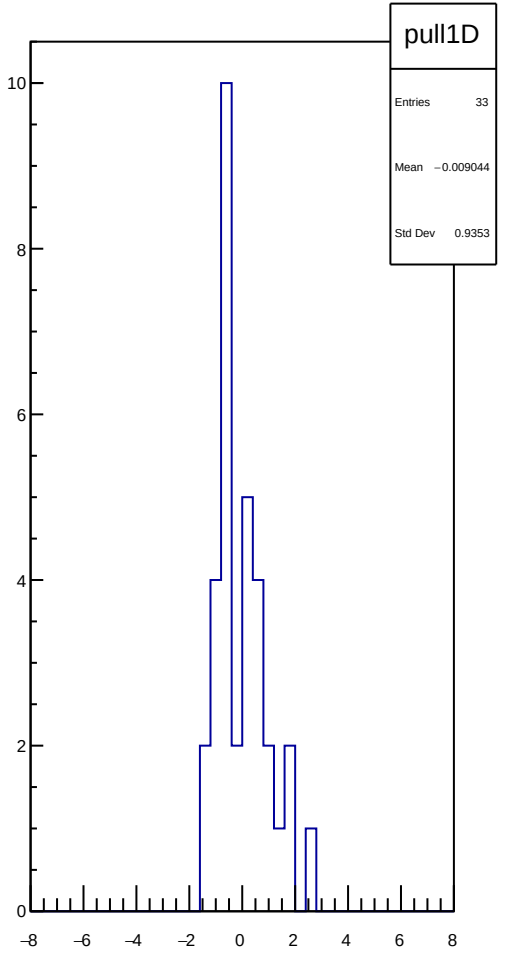

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 95.88 / 32
p0 1629 ± 2.001
1700
1680
1660
1640
1620
1600
1580
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

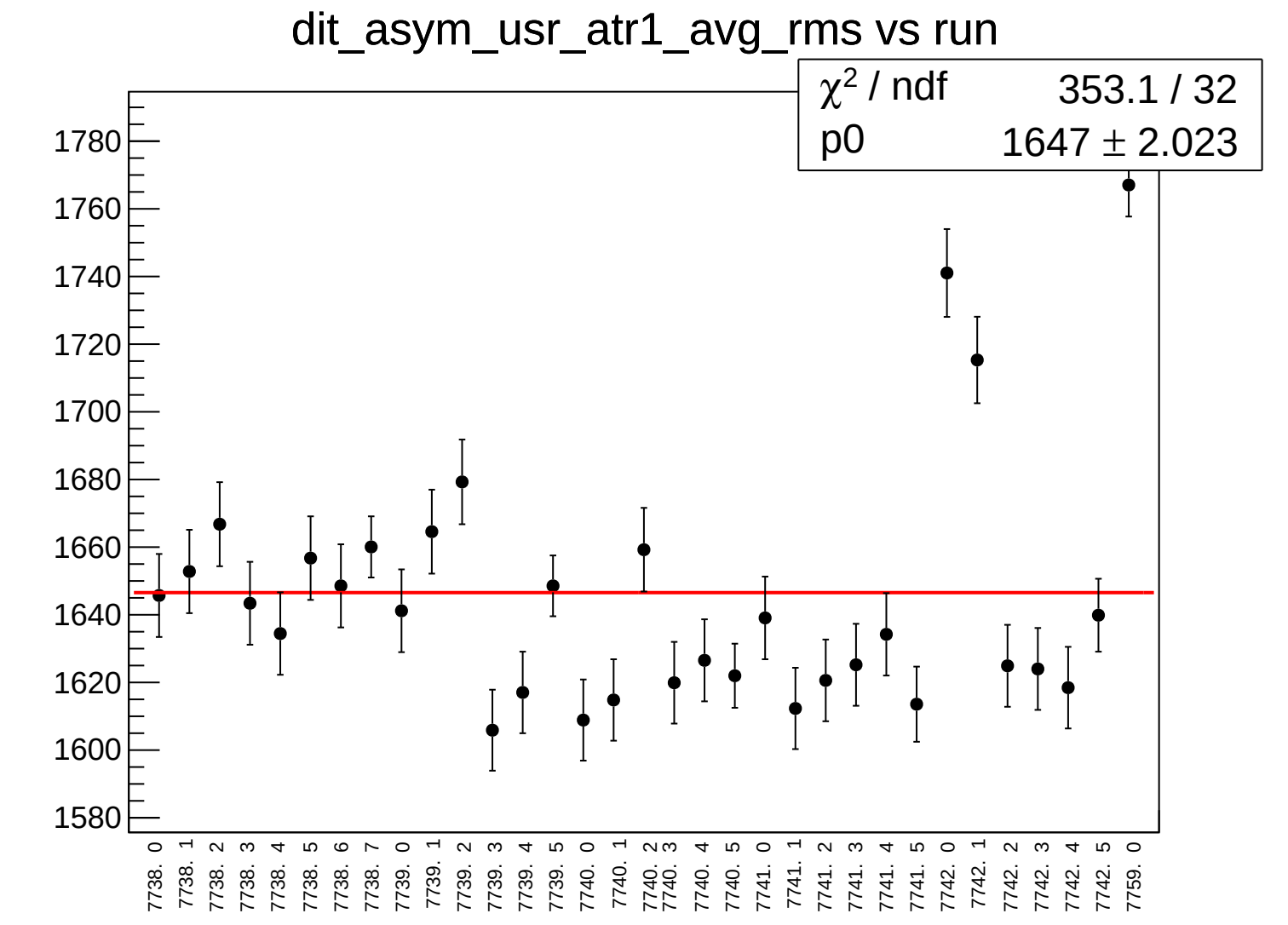

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.8 / 32
p0 −1003 ± 4904
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −65.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

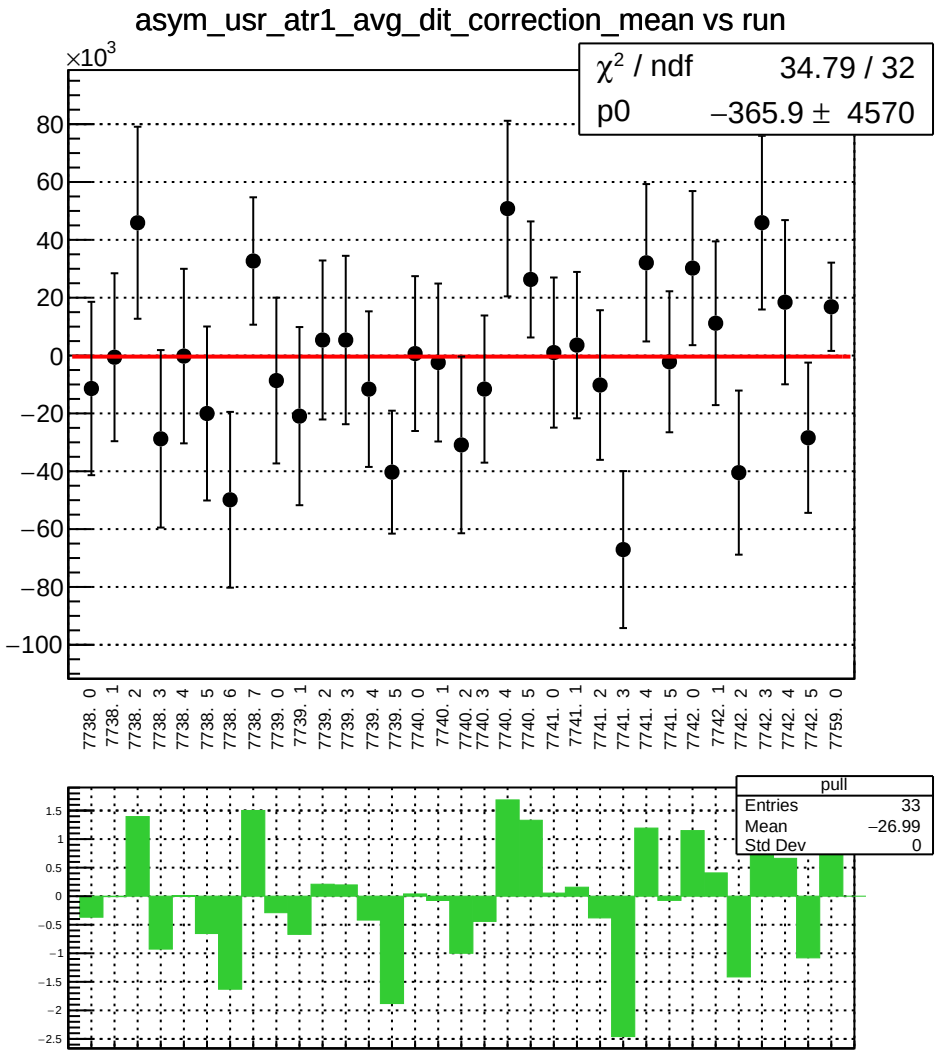

pull1D
Entries 33
Mean −0.01817
Std Dev 1.027
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

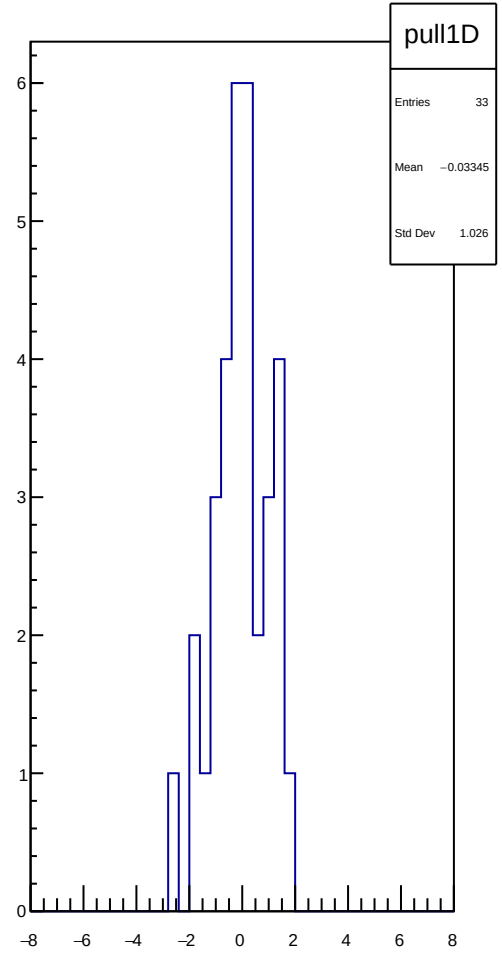

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5248 / 32
p0 2812 ± 3.468
3600
3400
3200
3000
2800
2600
2400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

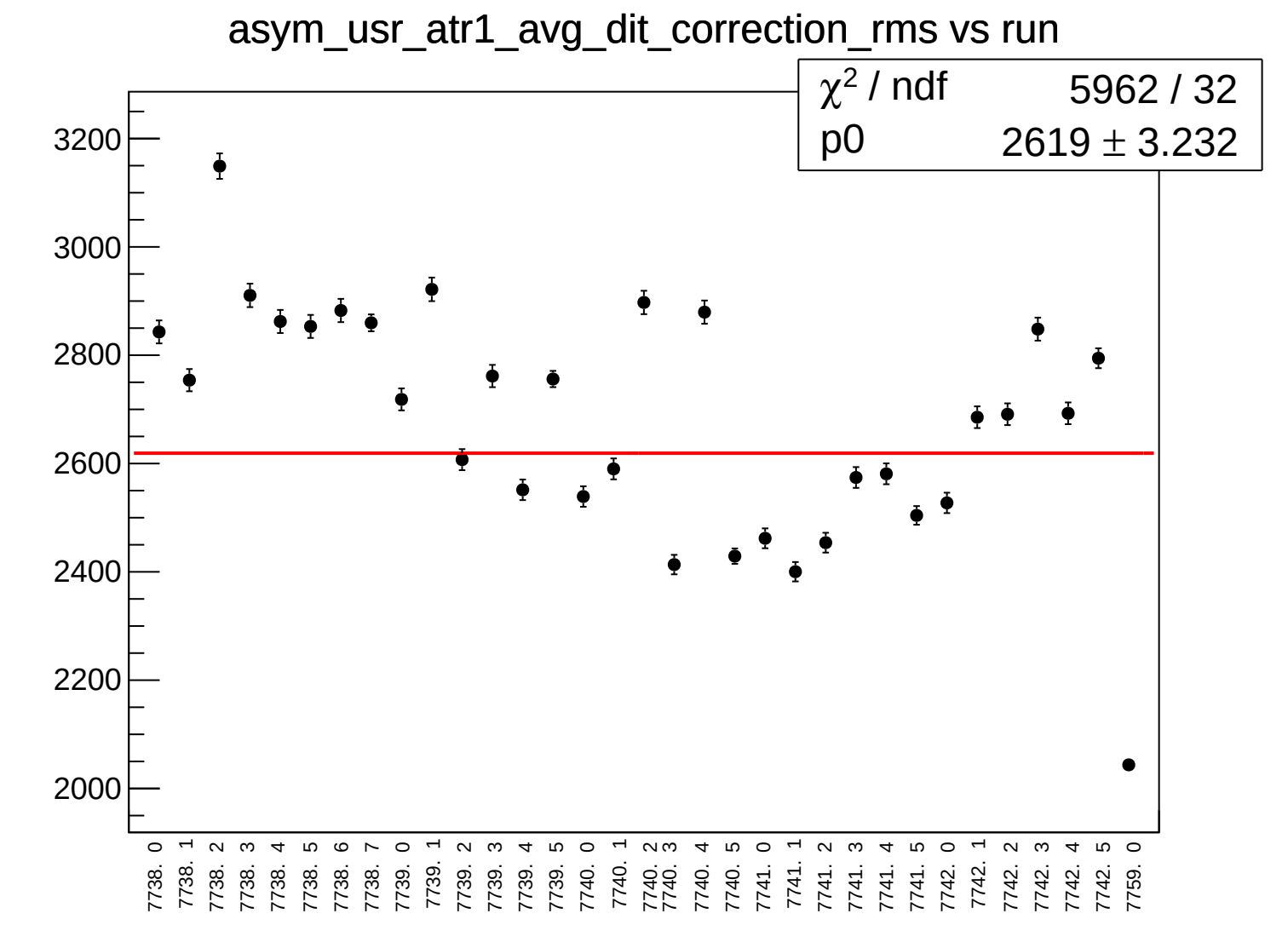

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 28.87 / 32
p0 964.6 ± 2861
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 169.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

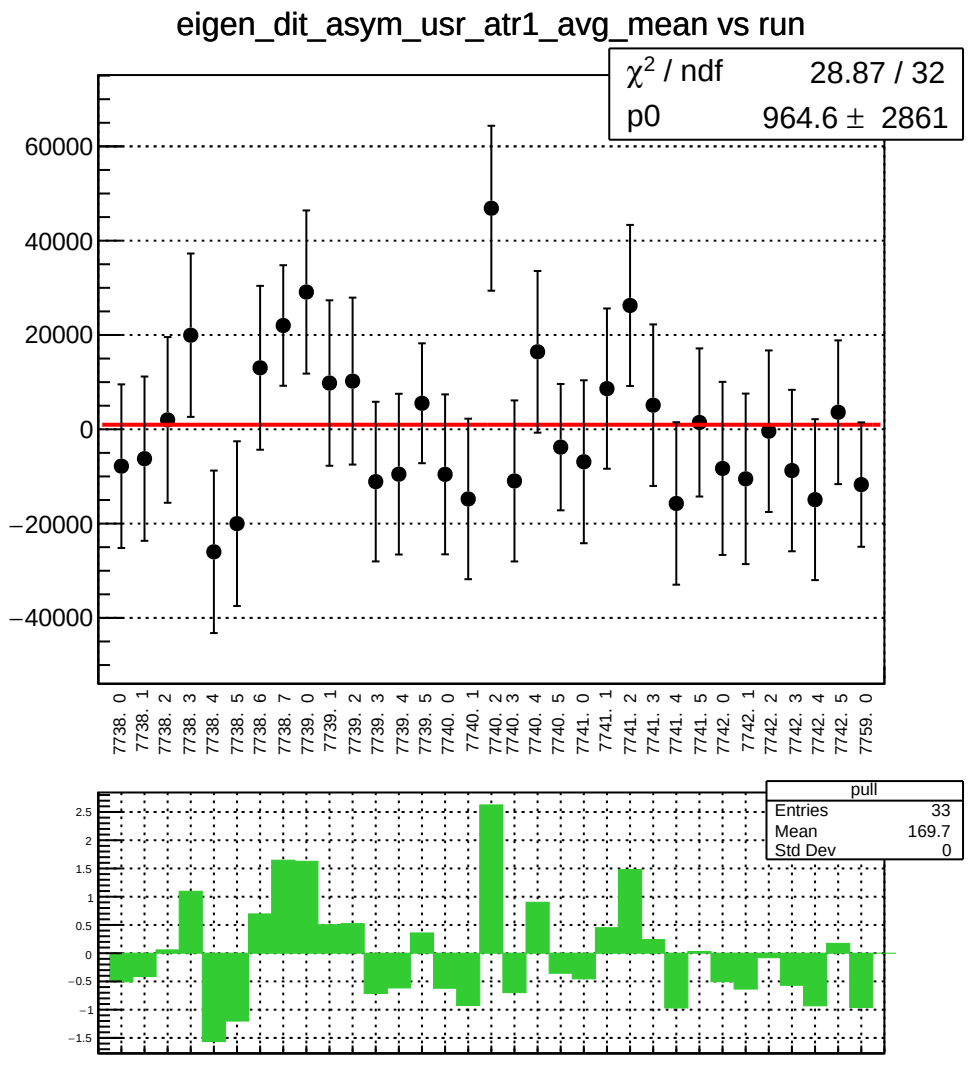

pull1D
Entries 33
Mean −0.009044
Std Dev 0.9353
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

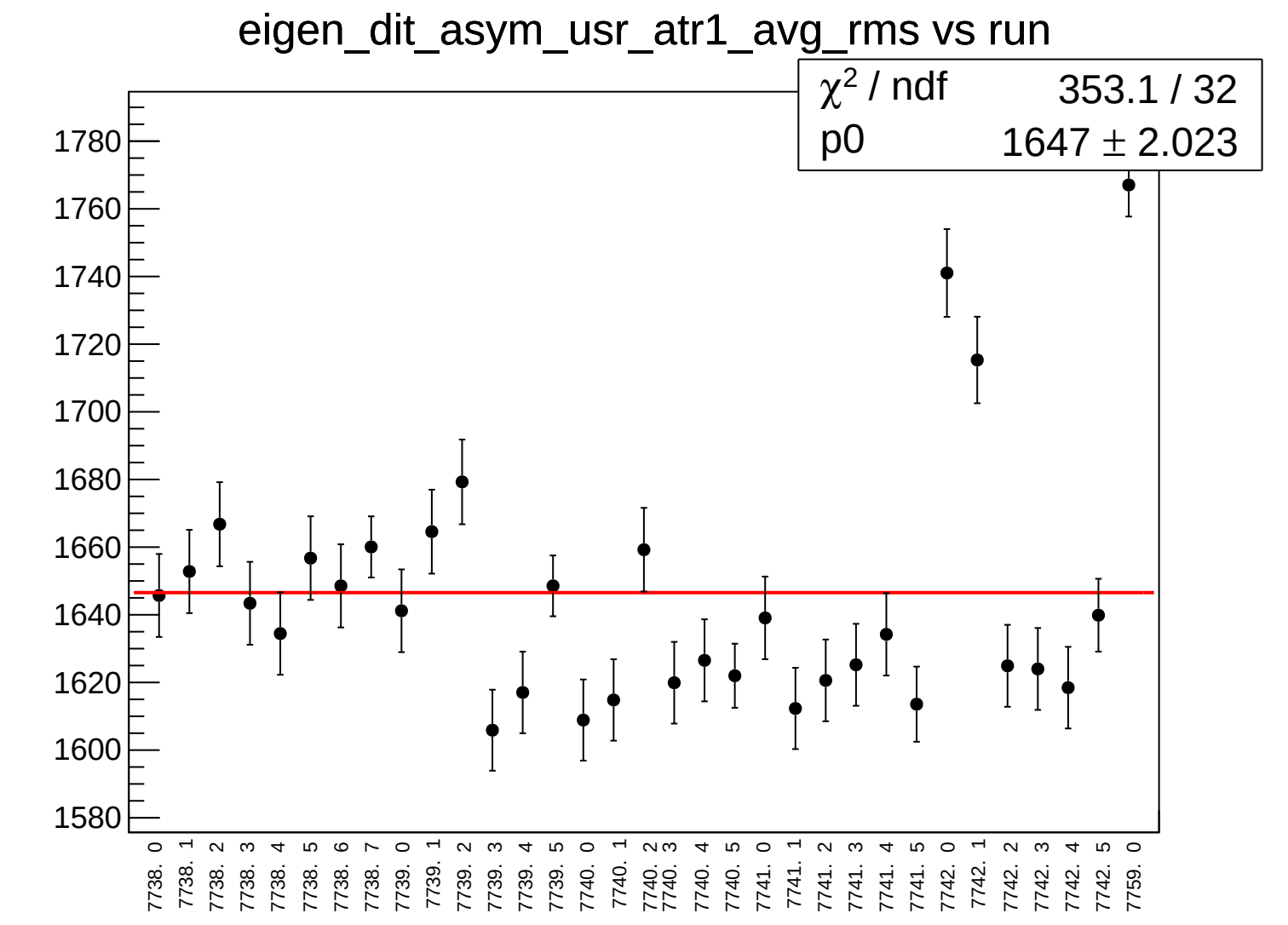

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 353.1 / 32
p0 1647 ± 2.023
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

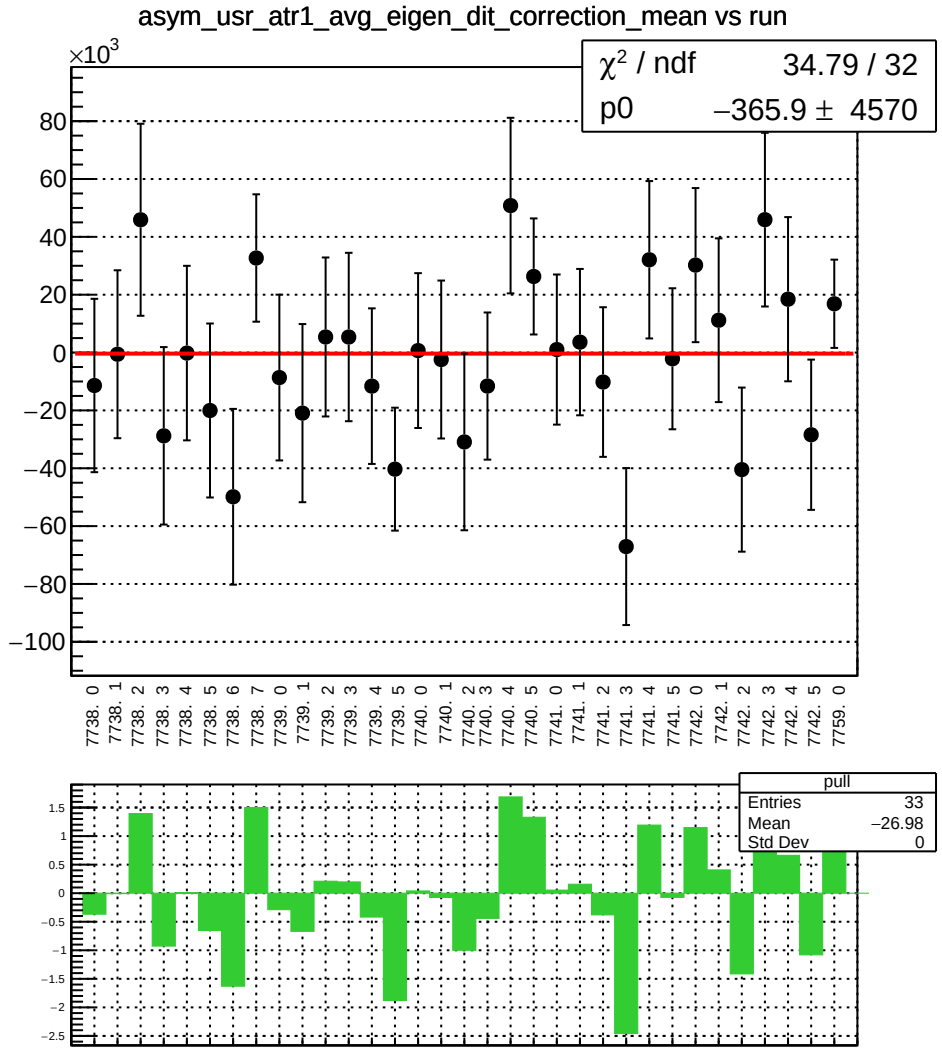

asym_usr_atr1_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.79 / 32
p0 −365.9 ± 4570
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −26.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

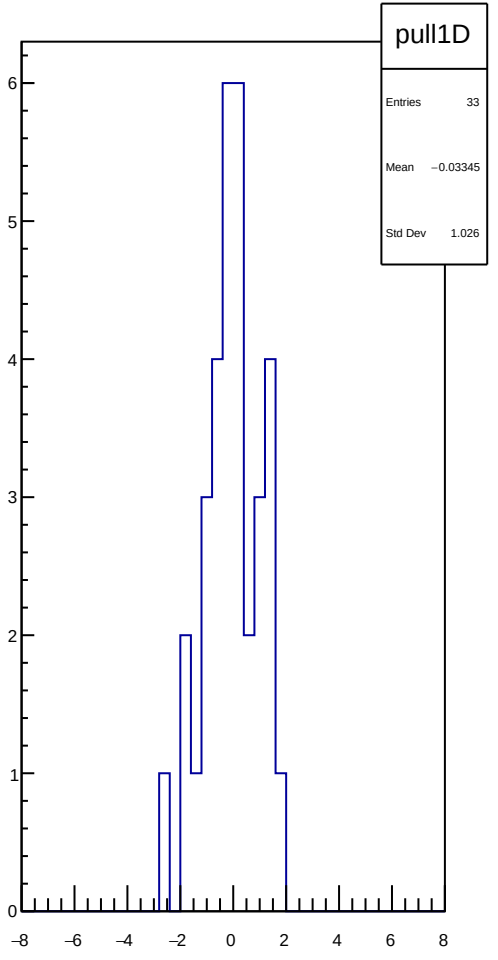

pull1D
Entries 33
Mean −0.03345
Std Dev 1.026
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

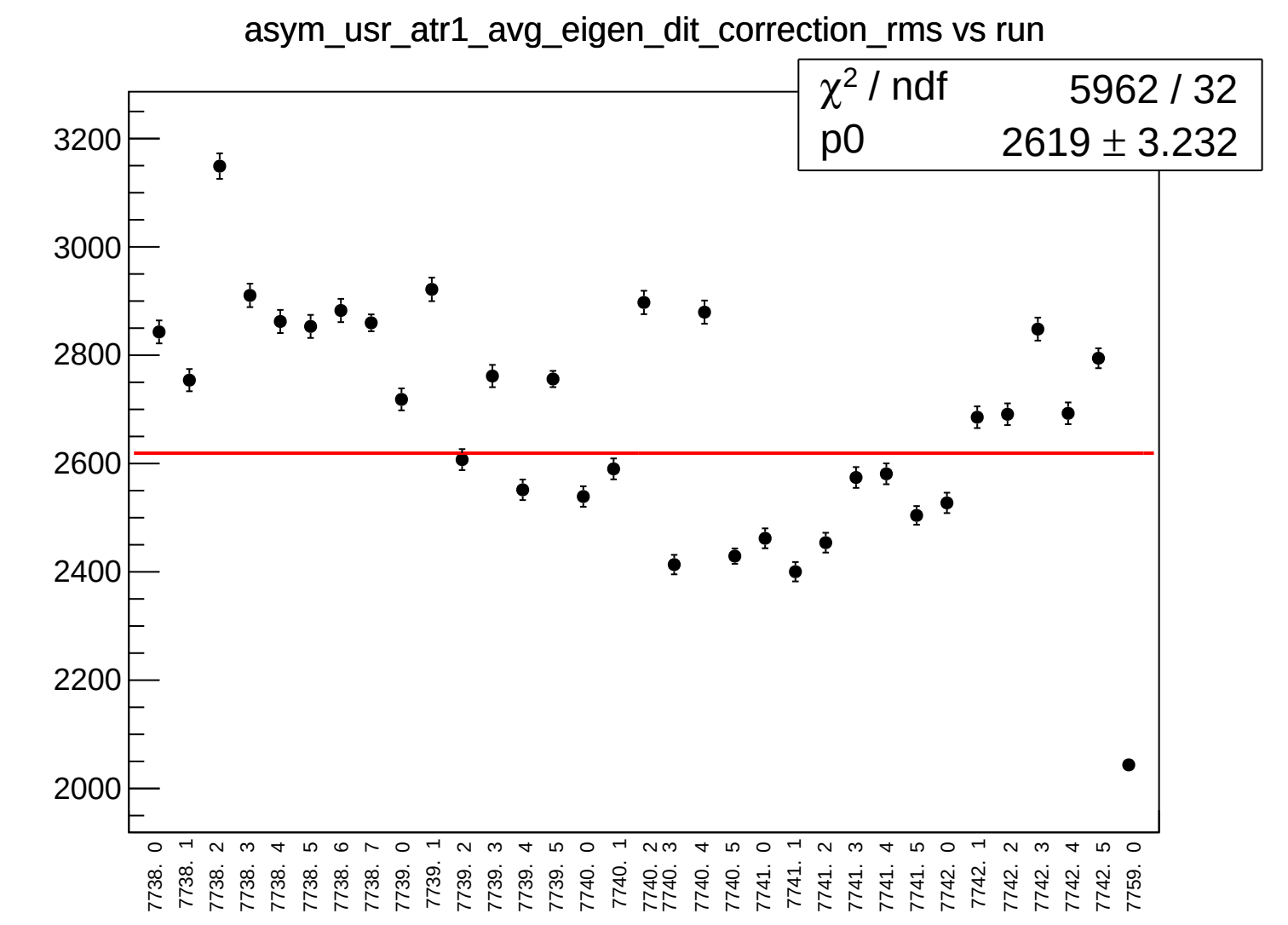

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 5962 / 32
p0 2619 ± 3.232
3200
3000
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

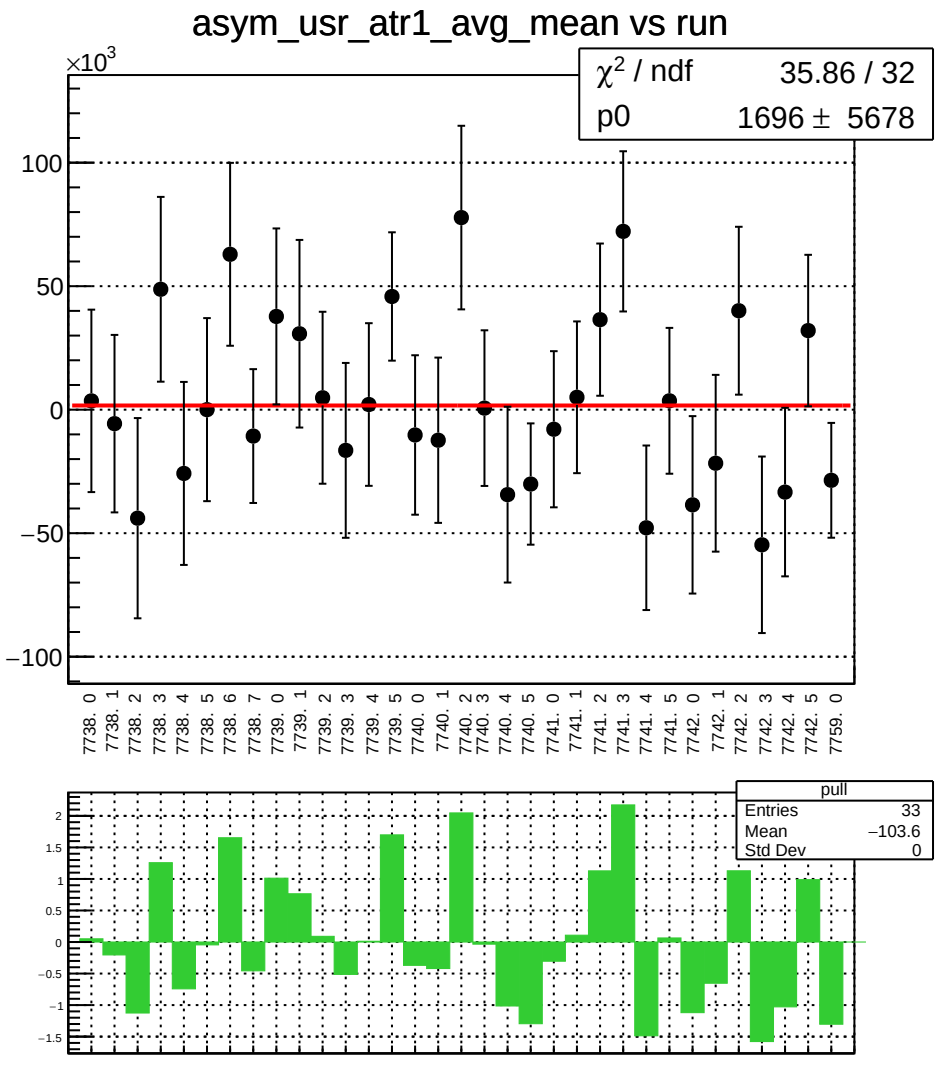

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 28.87 / 32
p0 964.6 ± 2861
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 169.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.009044
Std Dev 0.9353
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

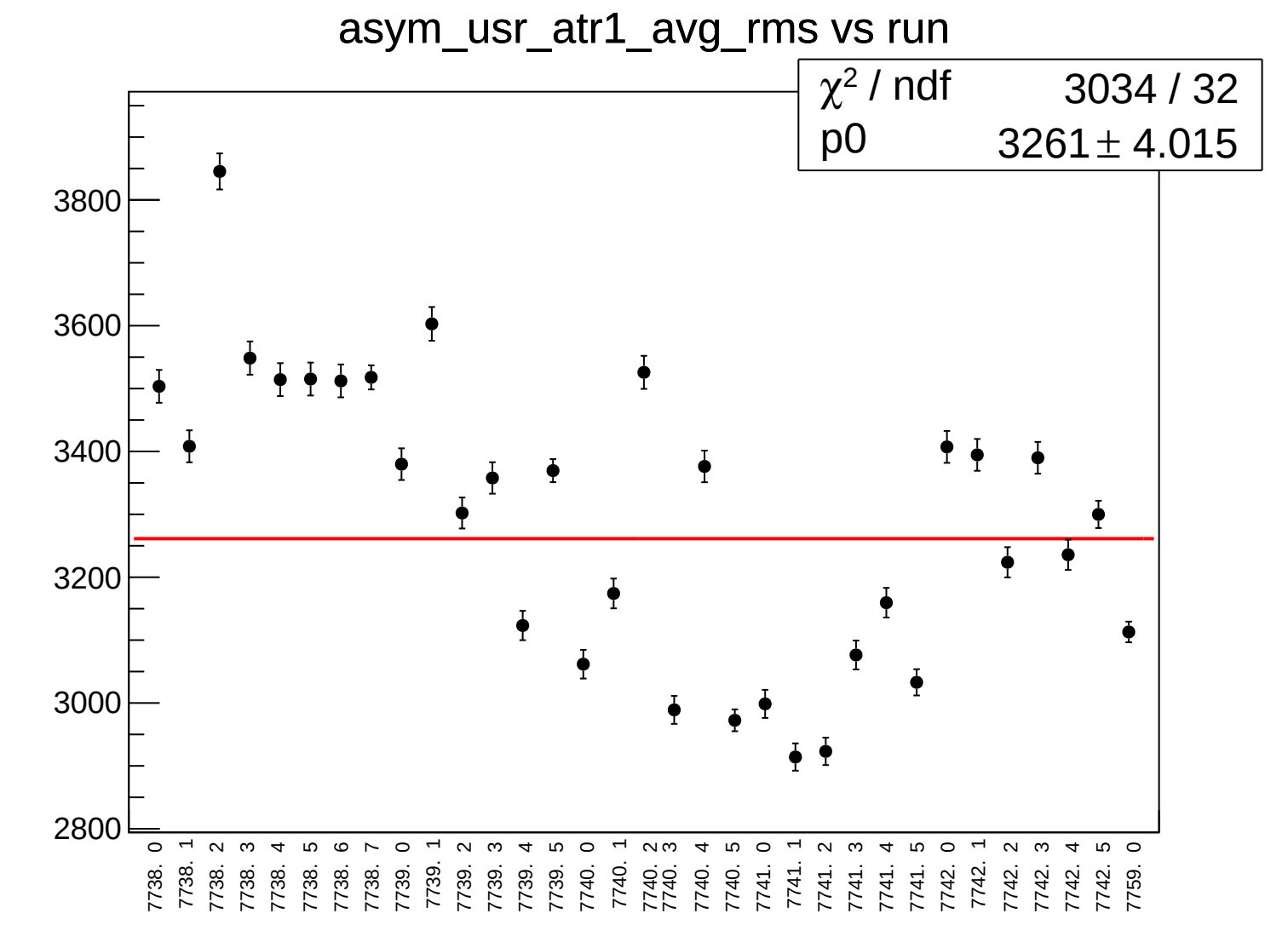

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 353.1 / 32
p0 1647 ± 2.023
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

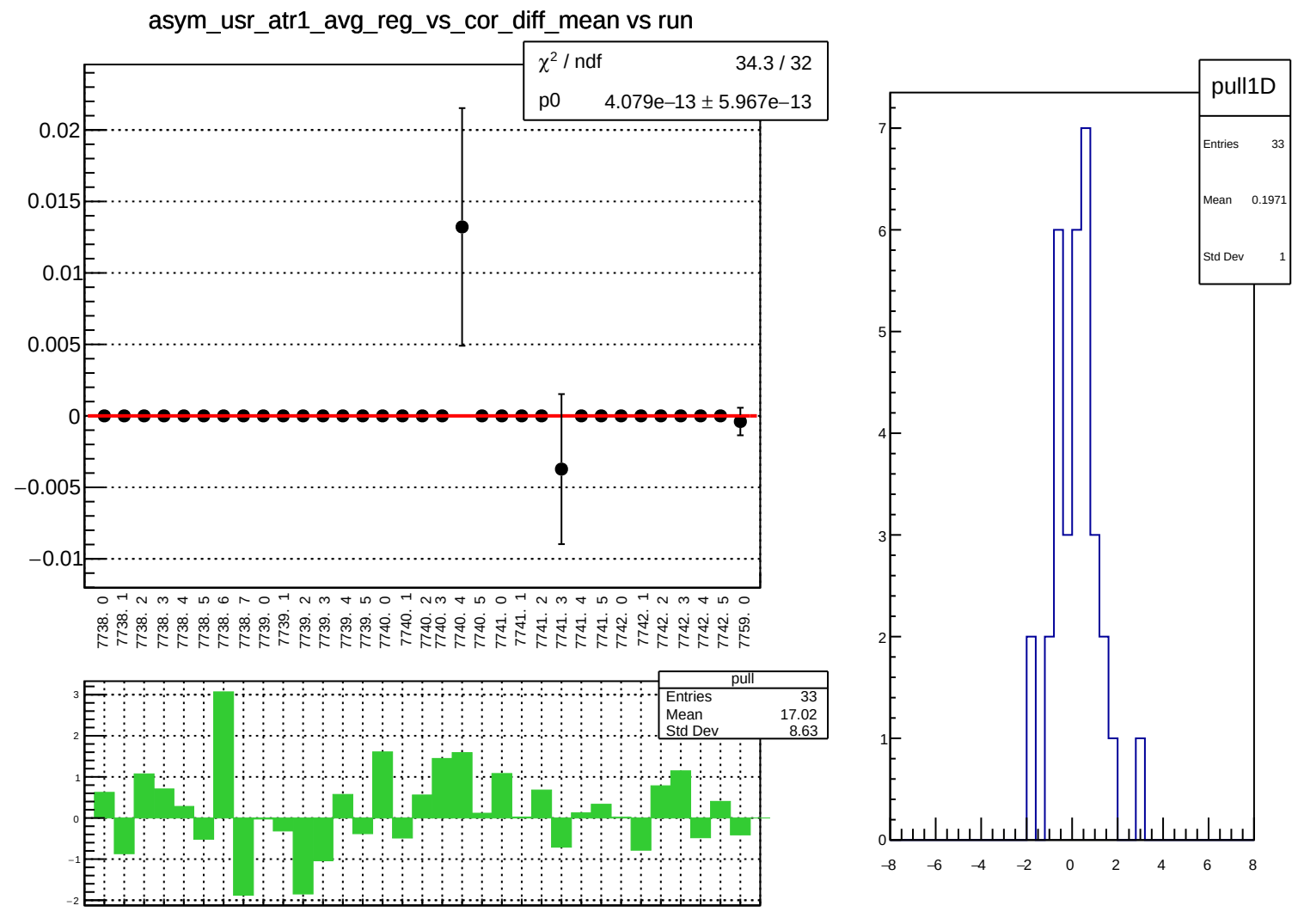

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.79 / 32
p0 −365.9 ± 4570
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −26.98
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

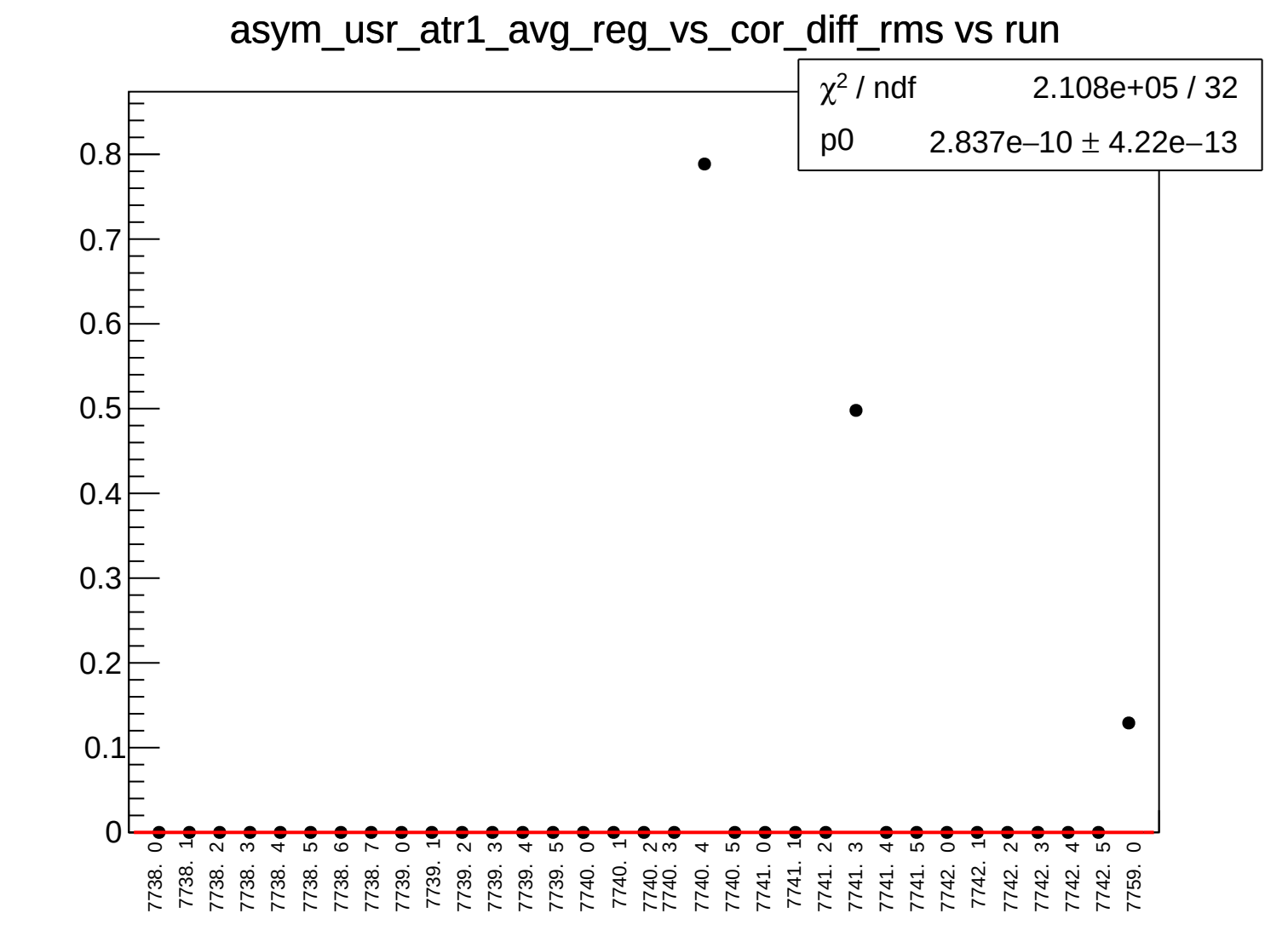

pull1D
Entries 33
Mean −0.03345
Std Dev 1.026
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

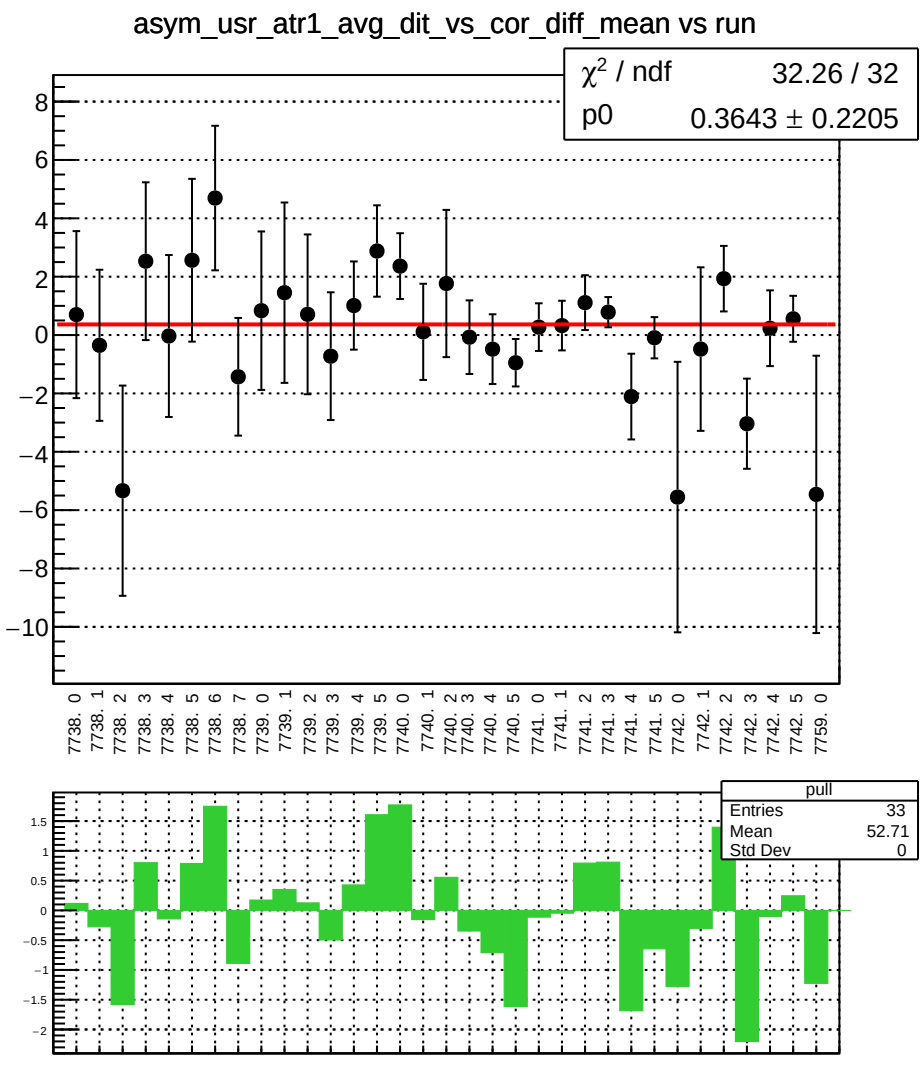

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 5962 / 32
p0 2619 ± 3.232
3200
3000
2800
2600
2400
2200
2000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

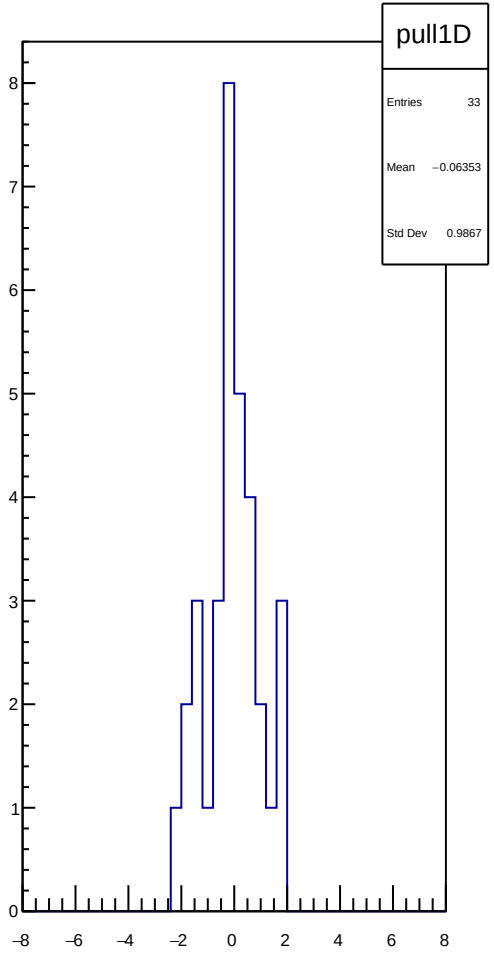

asym_usr_atr1_avg_mean vs run
×10^3
χ^2 / ndf 35.86 / 32
p0 1696 ± 5678
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −103.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01475
Std Dev 1.042
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

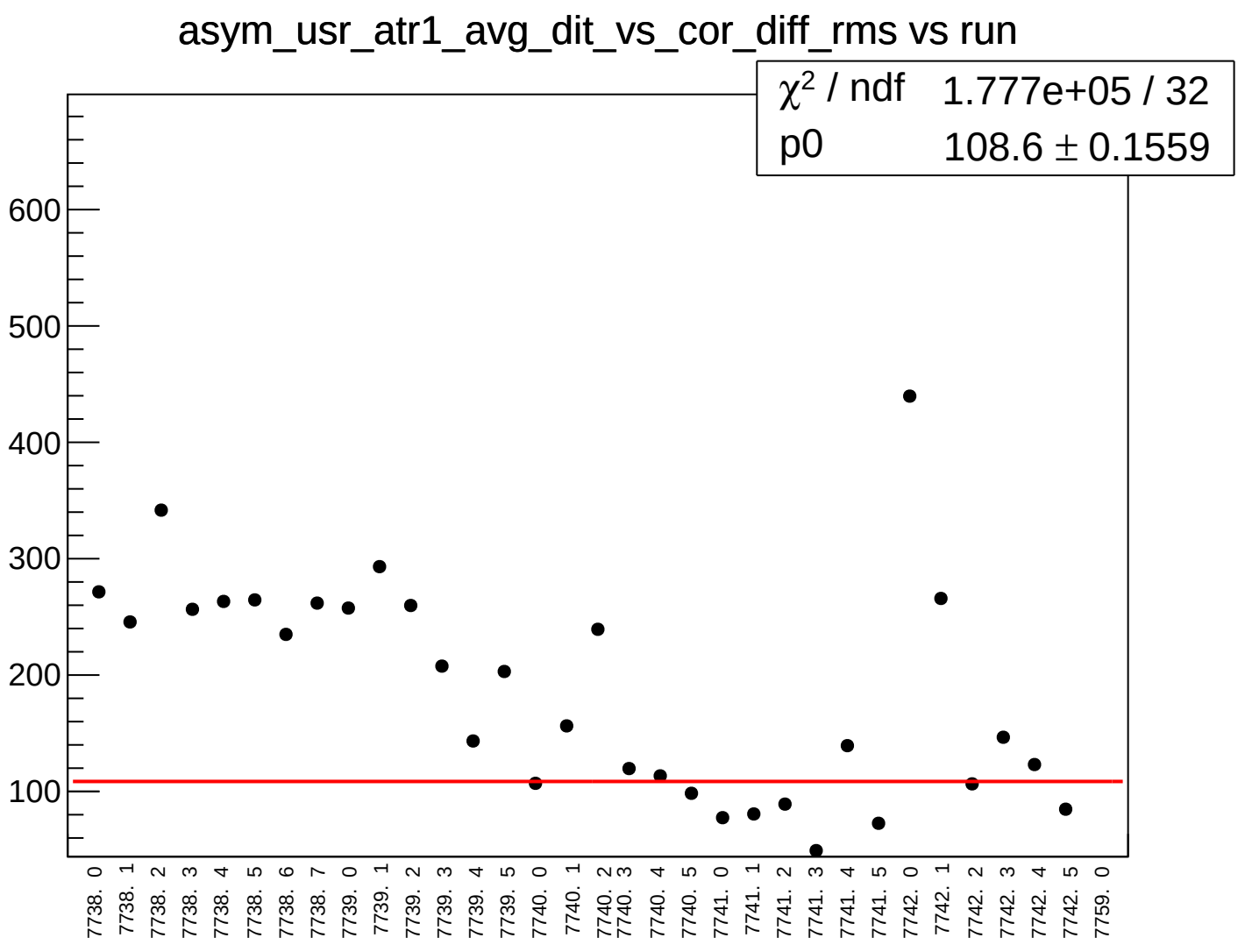

asym_usr_atr1_avg_rms vs run
χ² / ndf 3034 / 32
p0 3261 ± 4.015
3800
3600
3400
3200
3000
2800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 34.3 / 32
p0 4.079e−13 ± 5.967e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.02
Std Dev 8.63
pull1D
Entries 33
Mean 0.1971
Std Dev 1

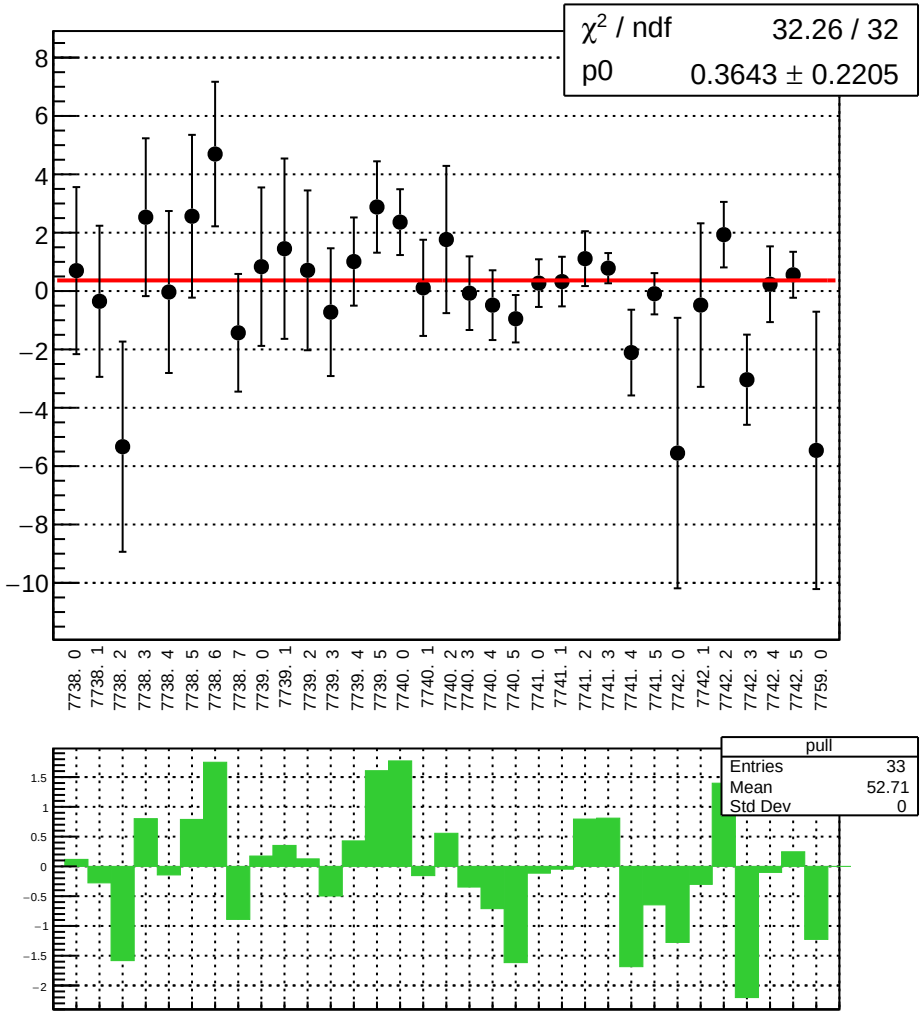

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.108e+05 / 32
p0 2.837e−10 ± 4.22e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

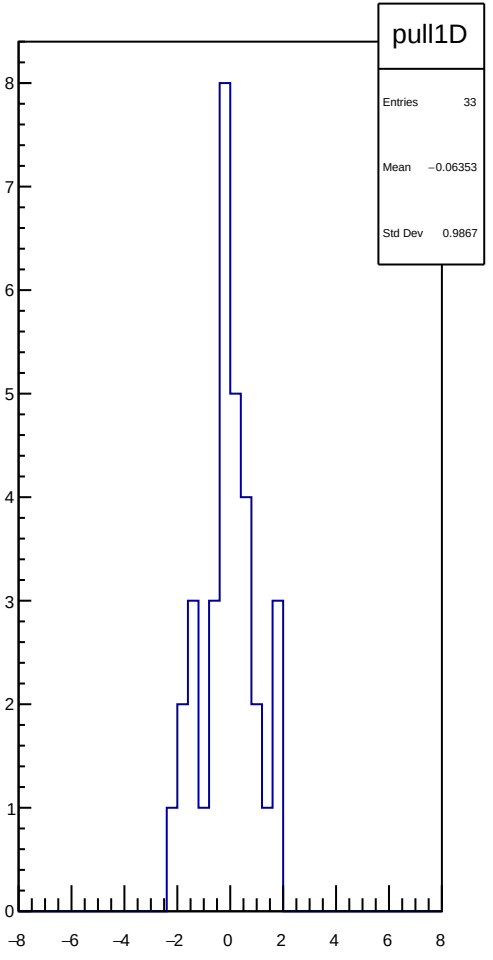

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 32.26 / 32
p0 0.3643 ± 0.2205
pull
Entries 33
Mean 52.71
Std Dev 0

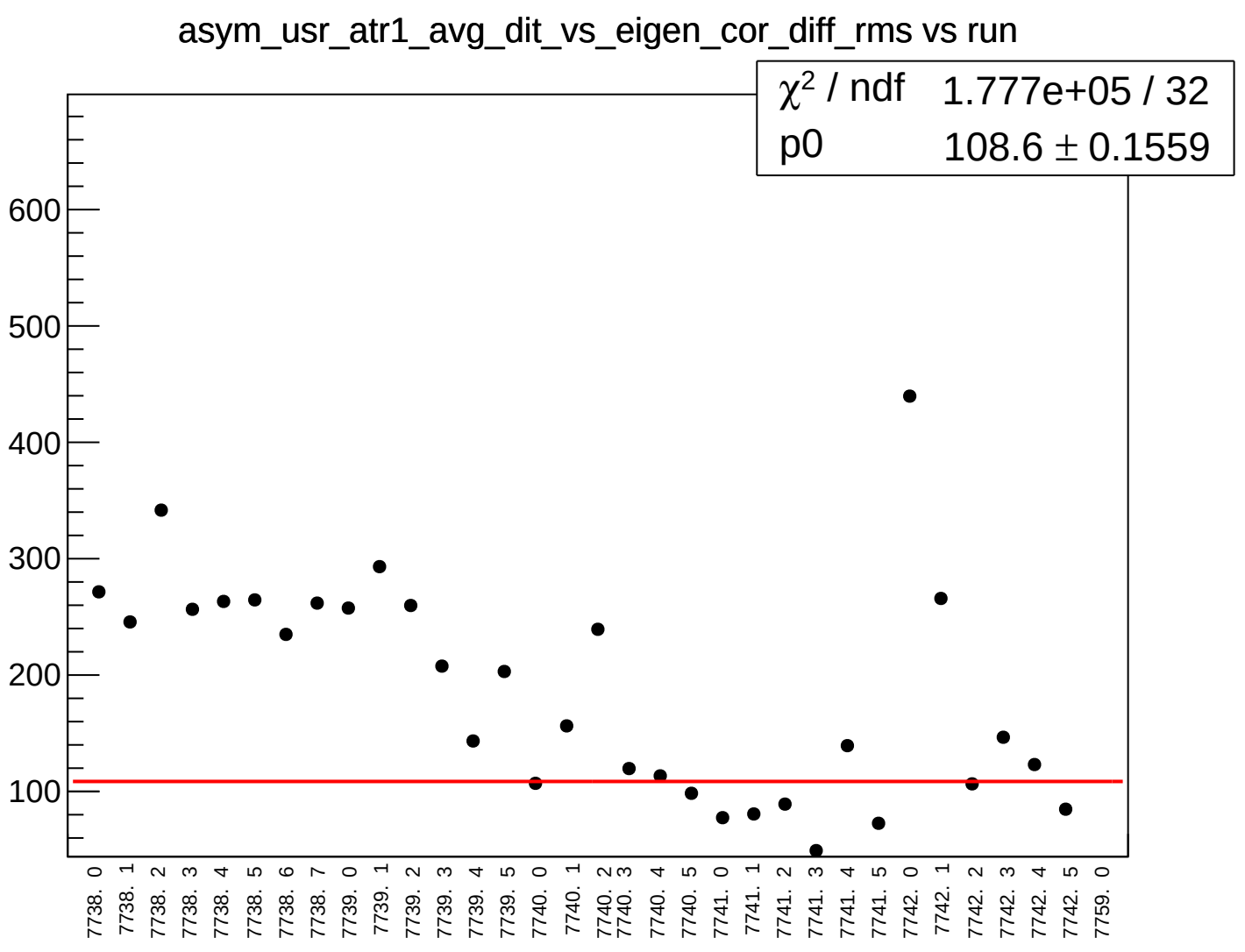

pull1D
Entries 33
Mean −0.06353
Std Dev 0.9867

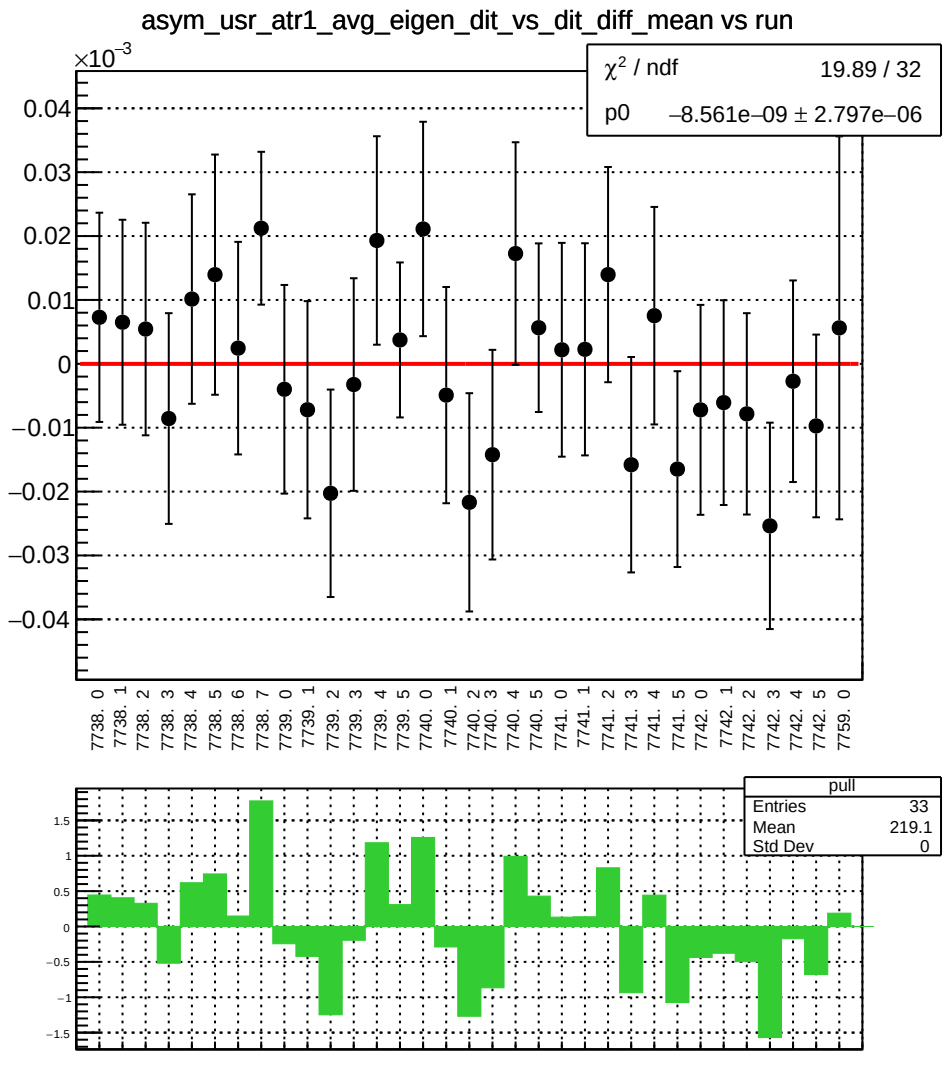

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.777e+05 / 32
p0 108.6 ± 0.1559
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

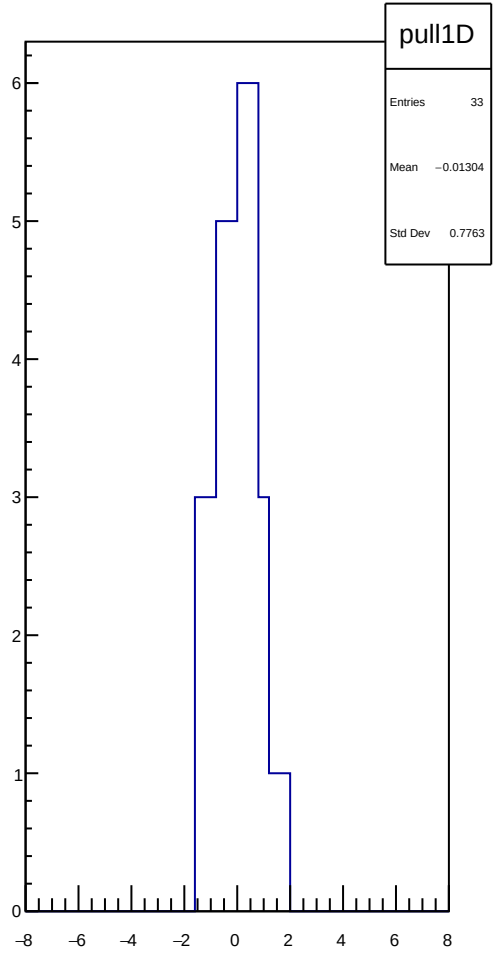
asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run

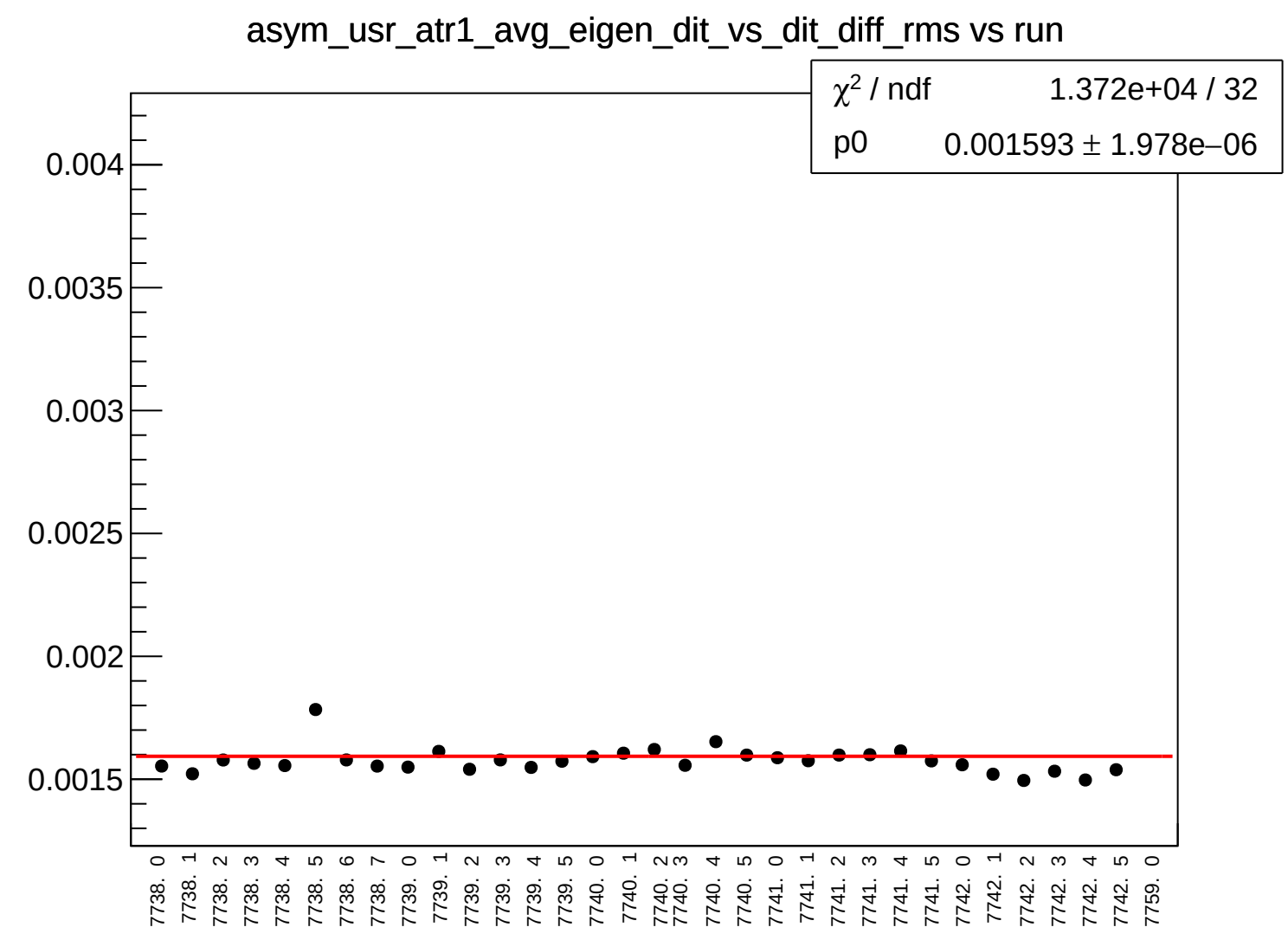




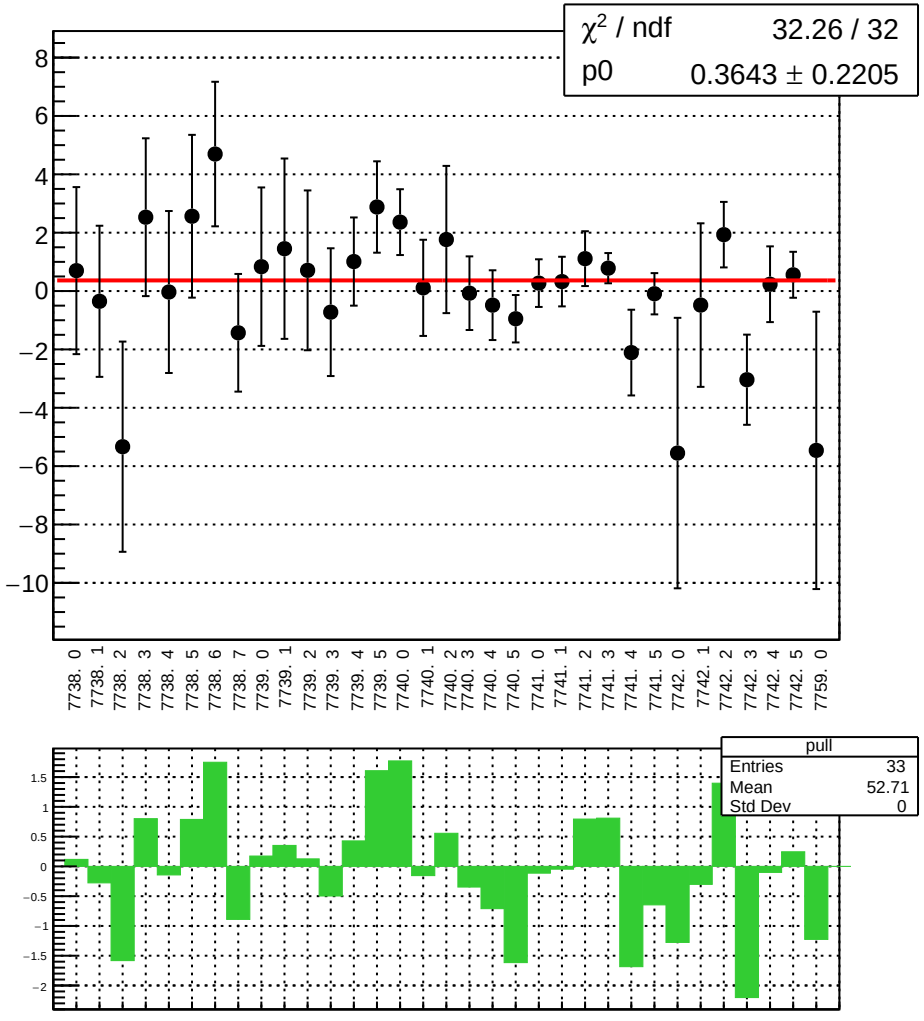

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.777e+05 / 32
p0 108.6 ± 0.1559
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

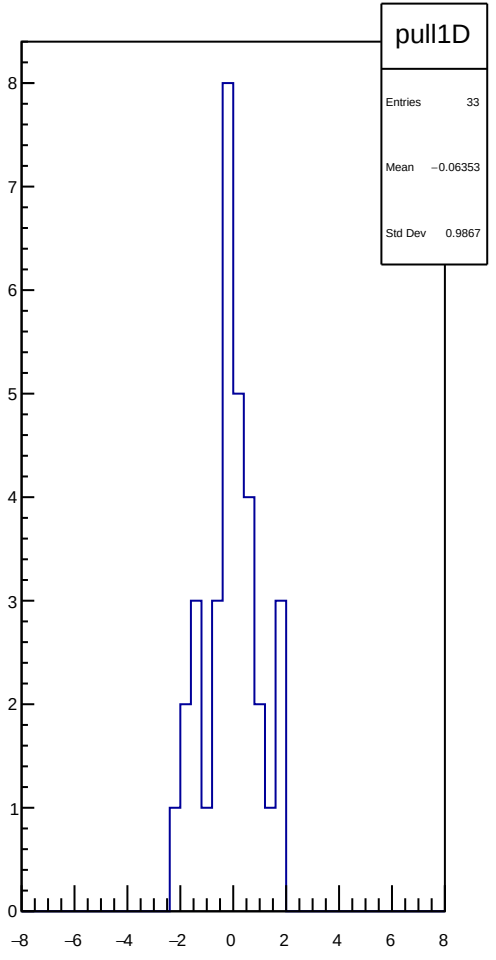

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 19.89 / 32
p0 −8.561e−09 ± 2.797e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 219.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

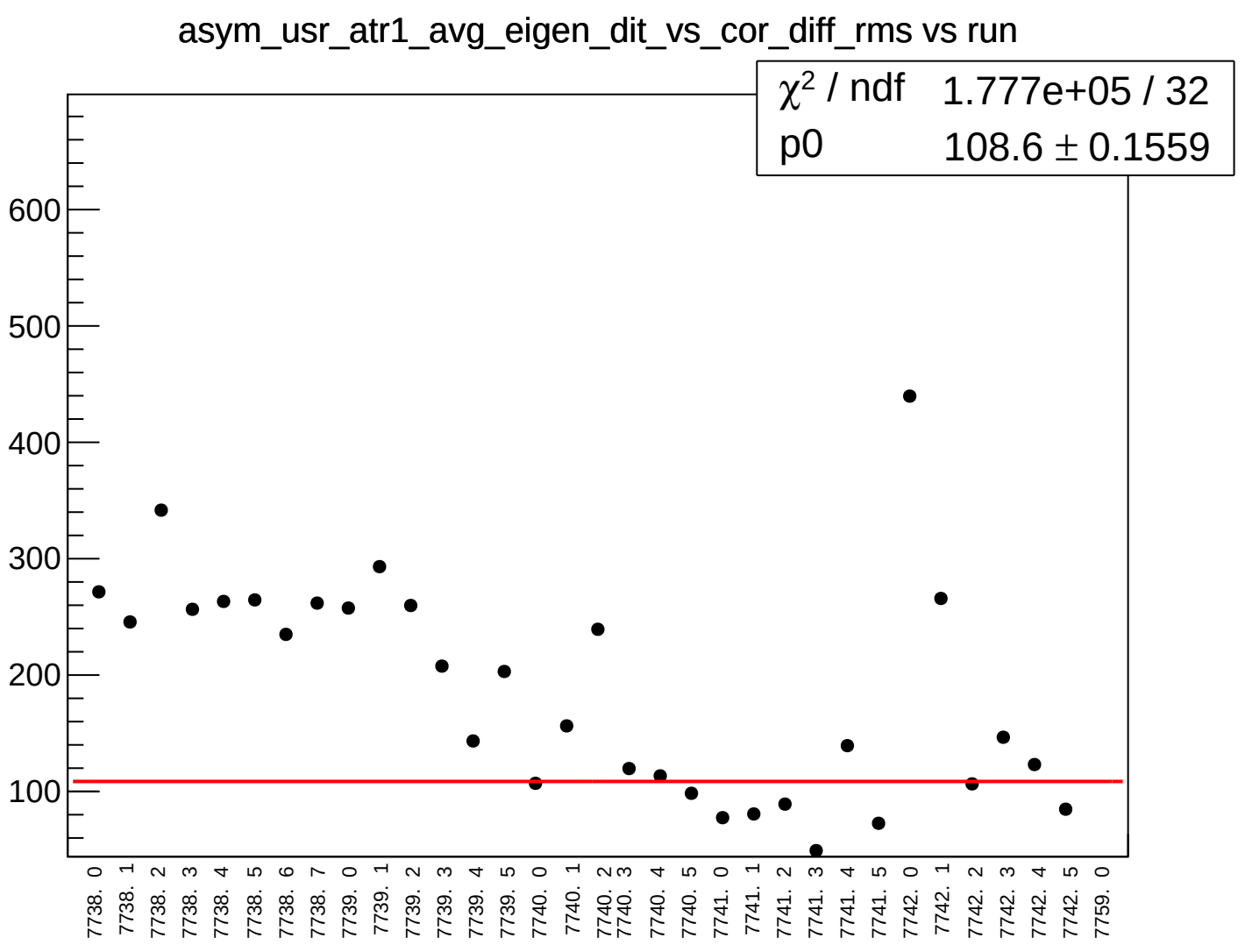

pull1D
Entries 33
Mean −0.01304
Std Dev 0.7763
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

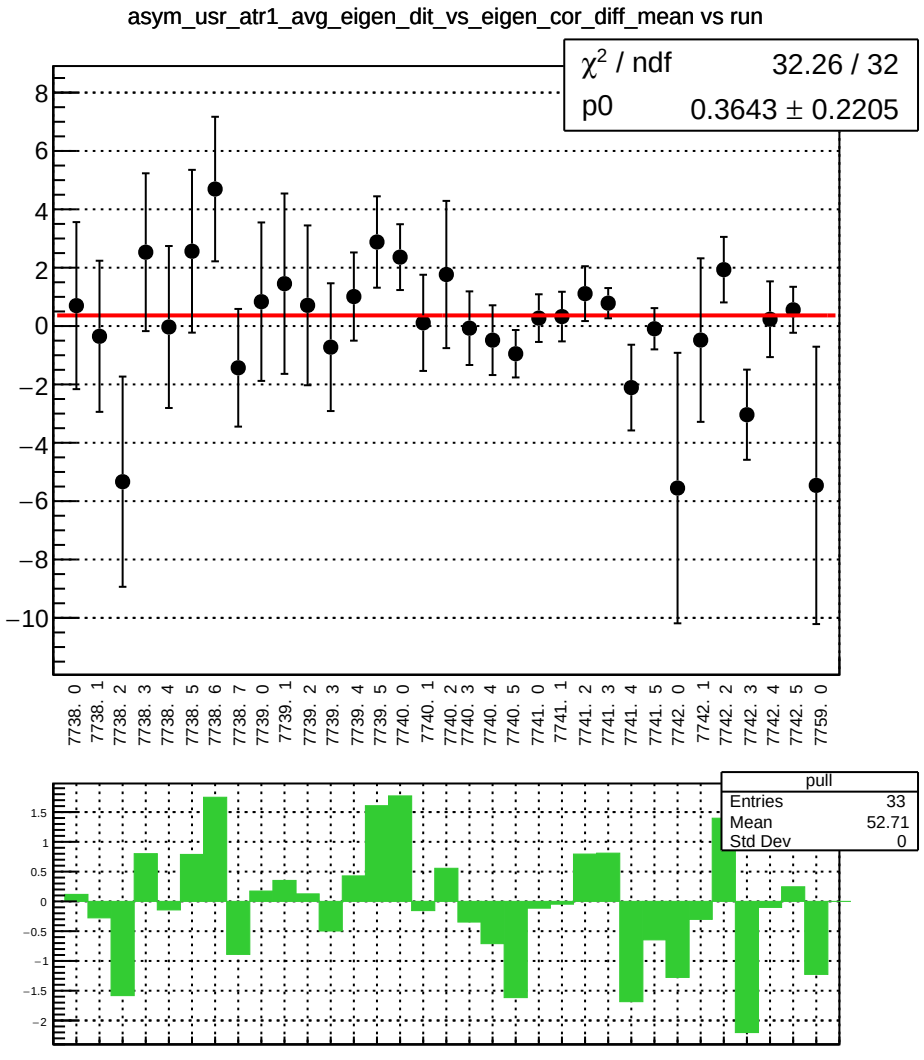

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.372e+04 / 32
p0 0.001593 ± 1.978e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

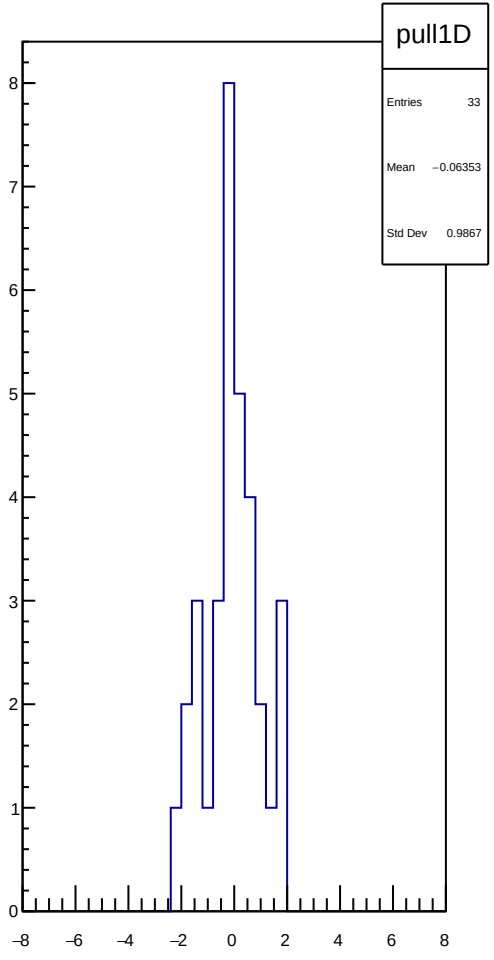
asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run

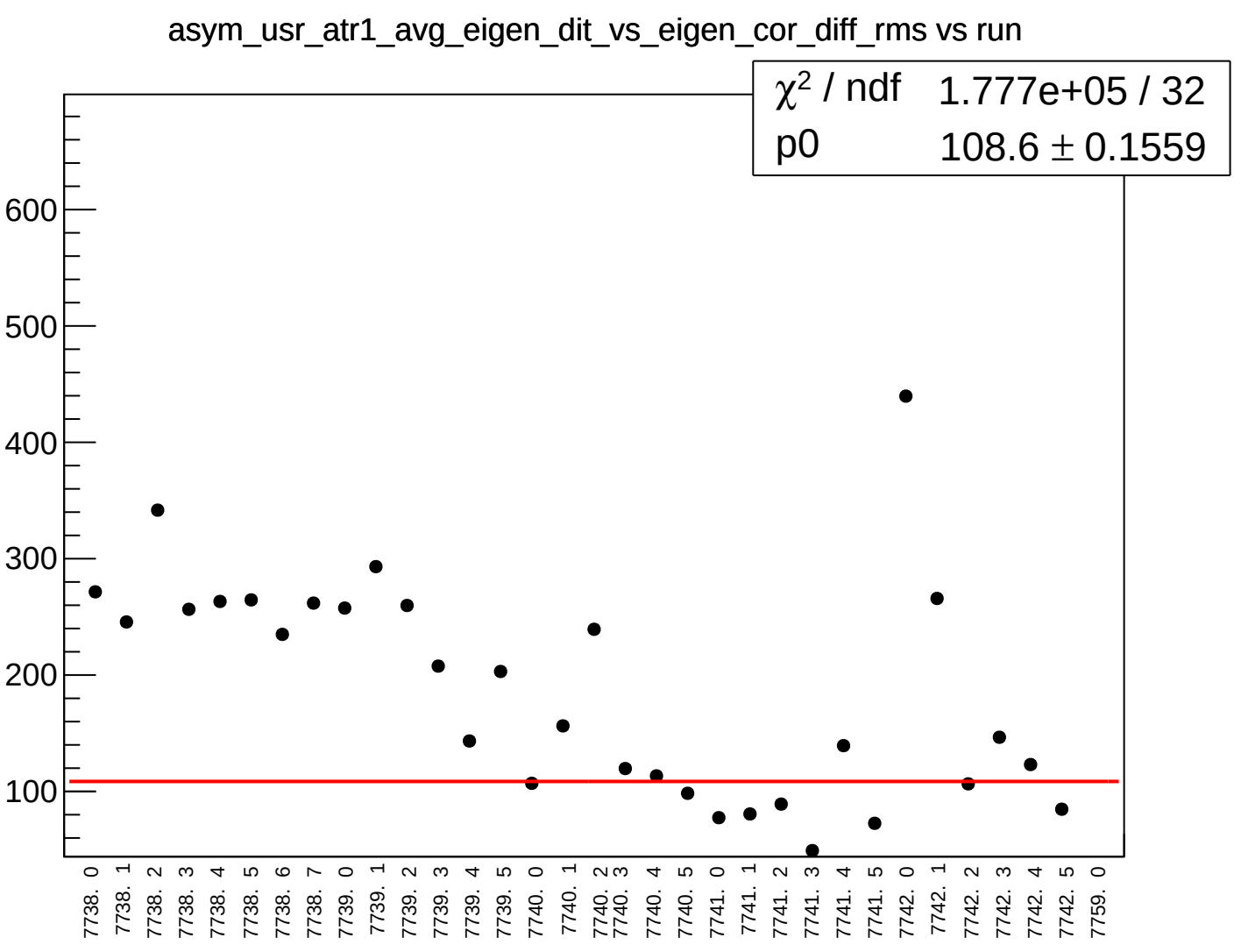


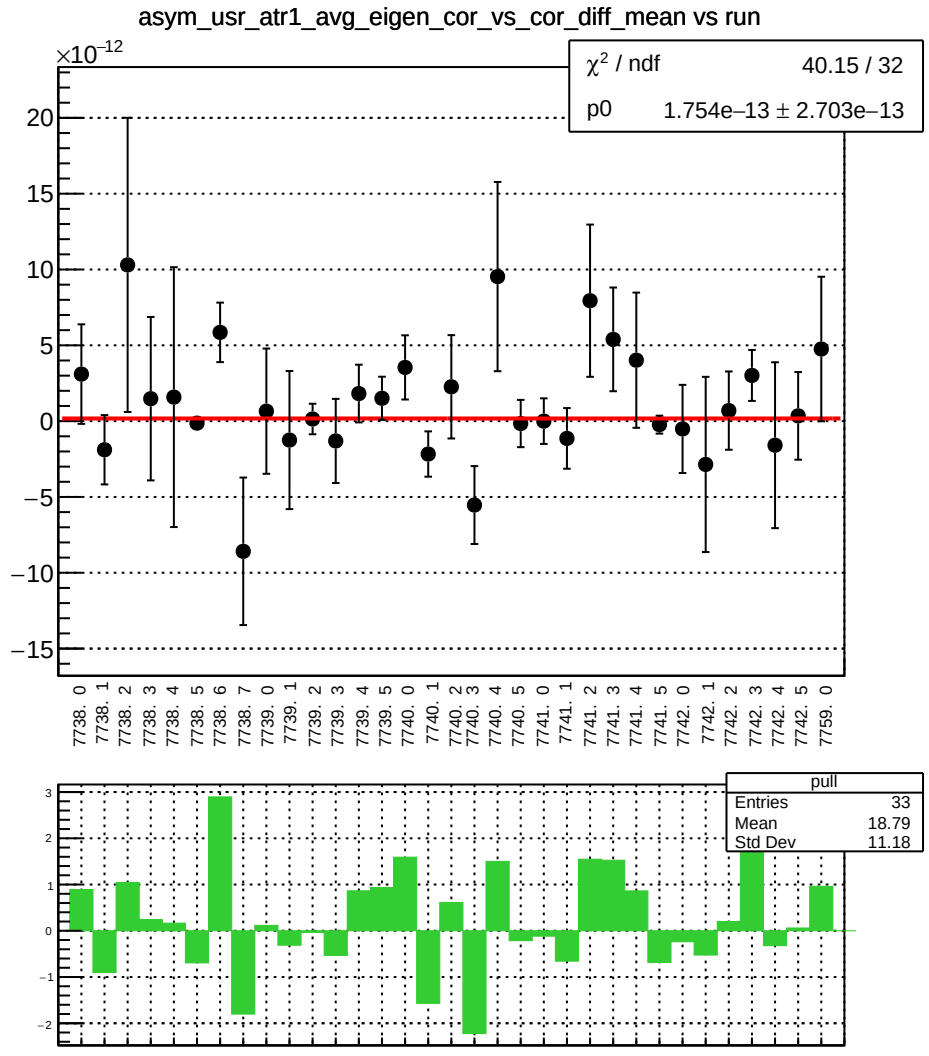


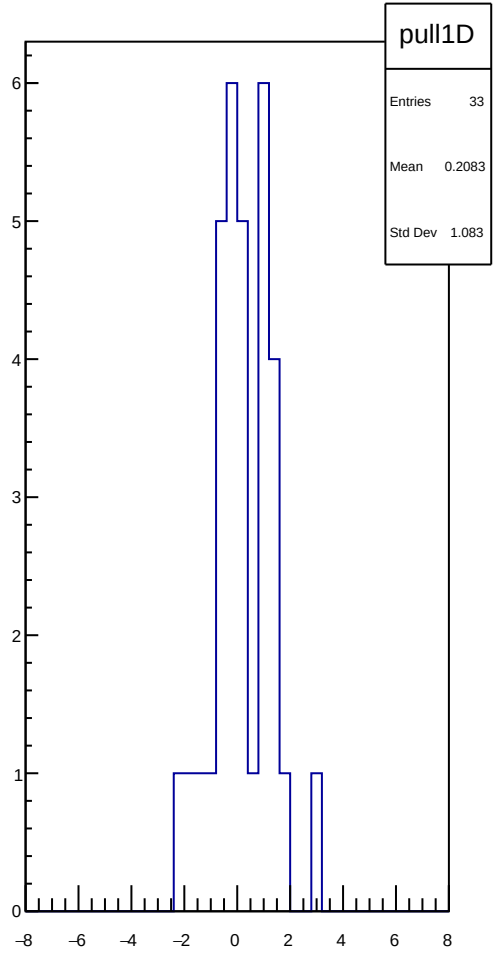

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.777e+05 / 32
p0 108.6 ± 0.1559
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

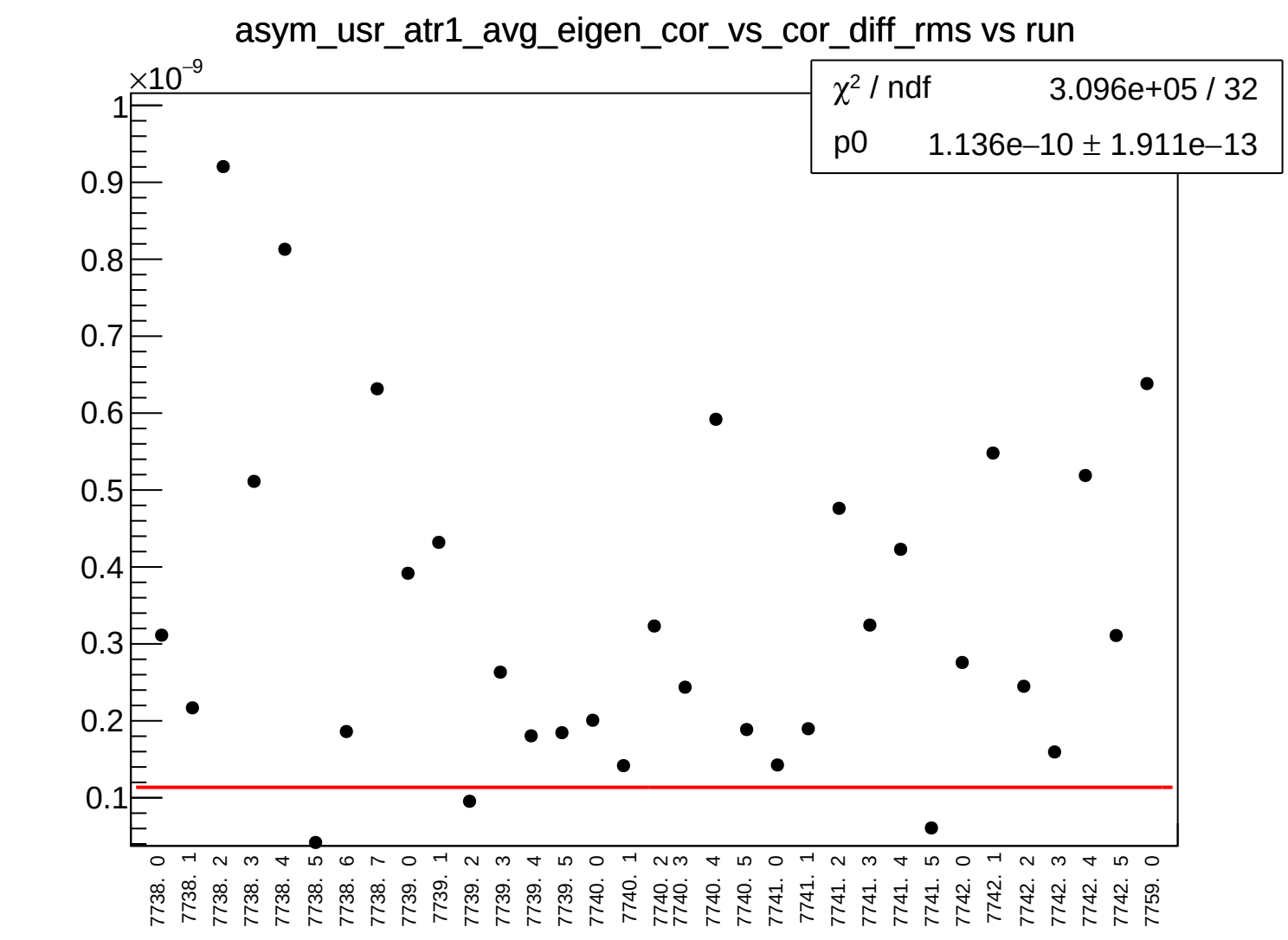

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.26 / 32
p0 0.3643 ± 0.2205
pull
Entries 33
Mean 52.71
Std Dev 0

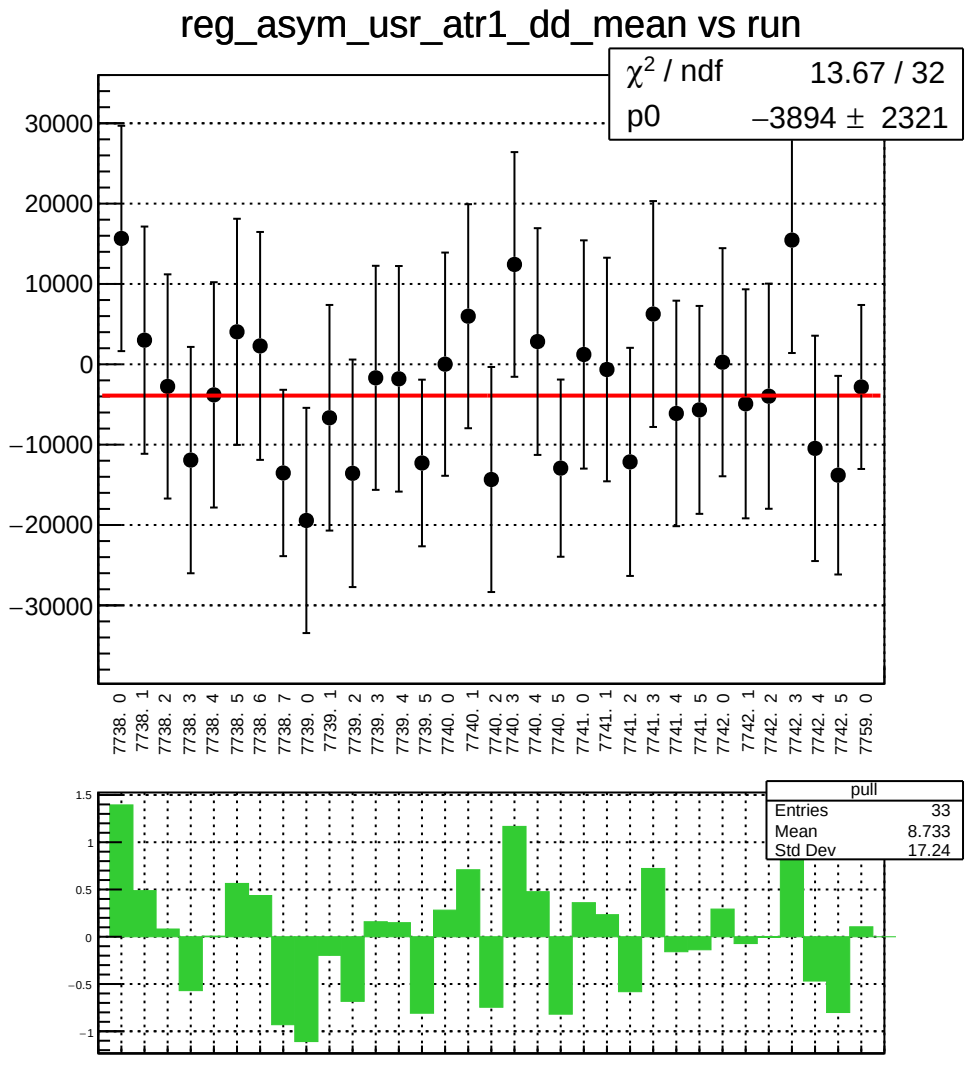

pull1D
Entries 33
Mean −0.06353
Std Dev 0.9867

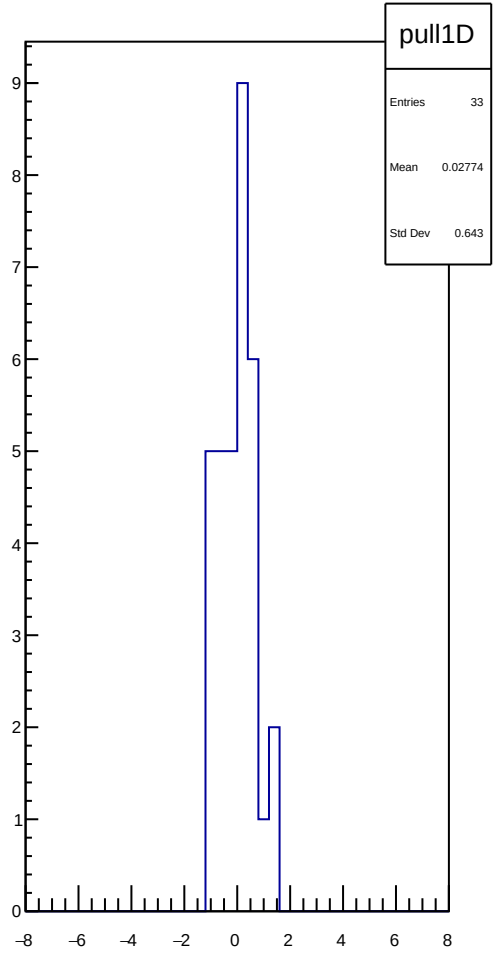

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.777e+05 / 32
p0 108.6 ± 0.1559
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

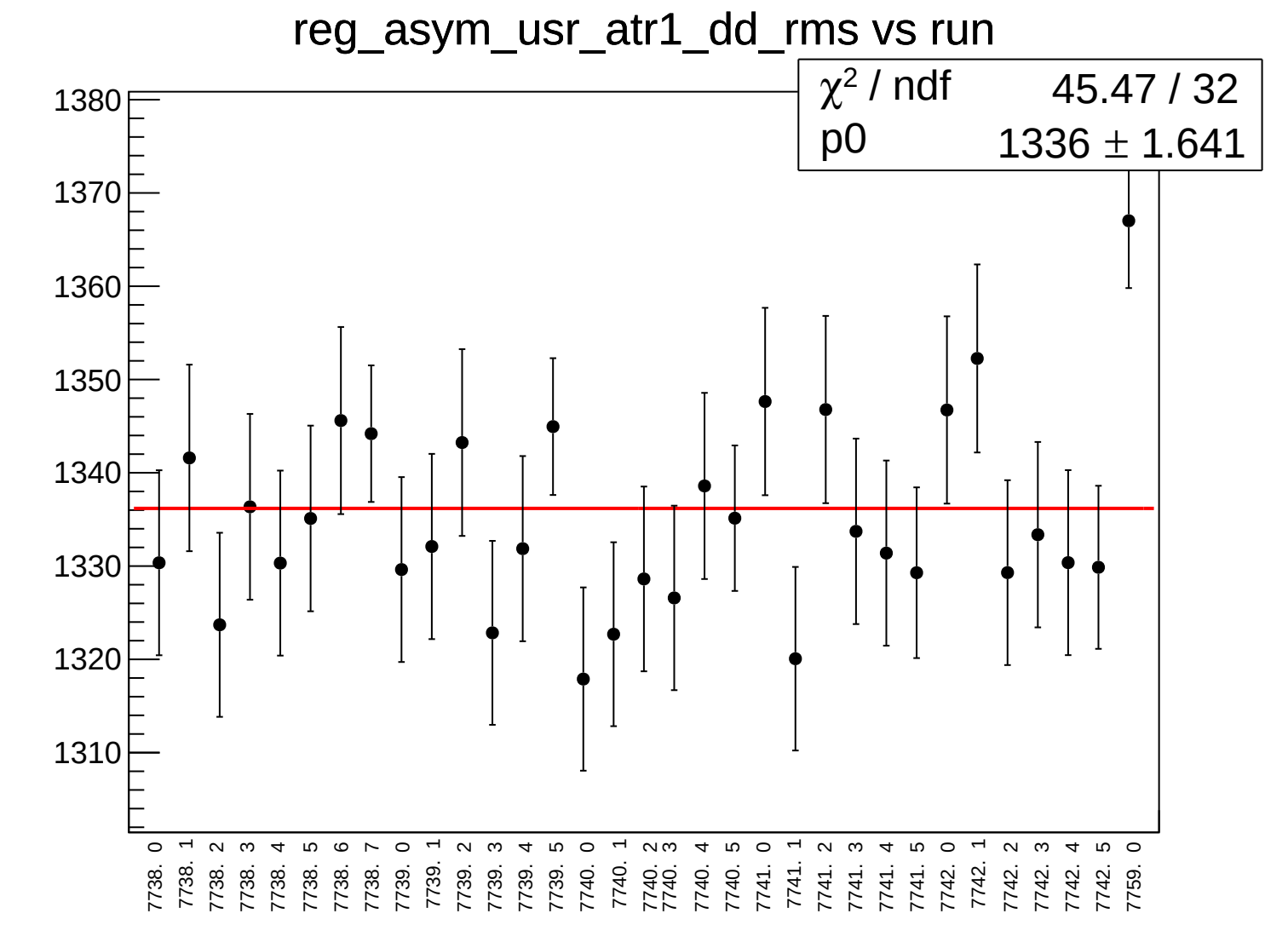

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.15 / 32
p0 1.754e−13 ± 2.703e−13
20
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.79
Std Dev 11.18
3
2
1
0
−1
−2

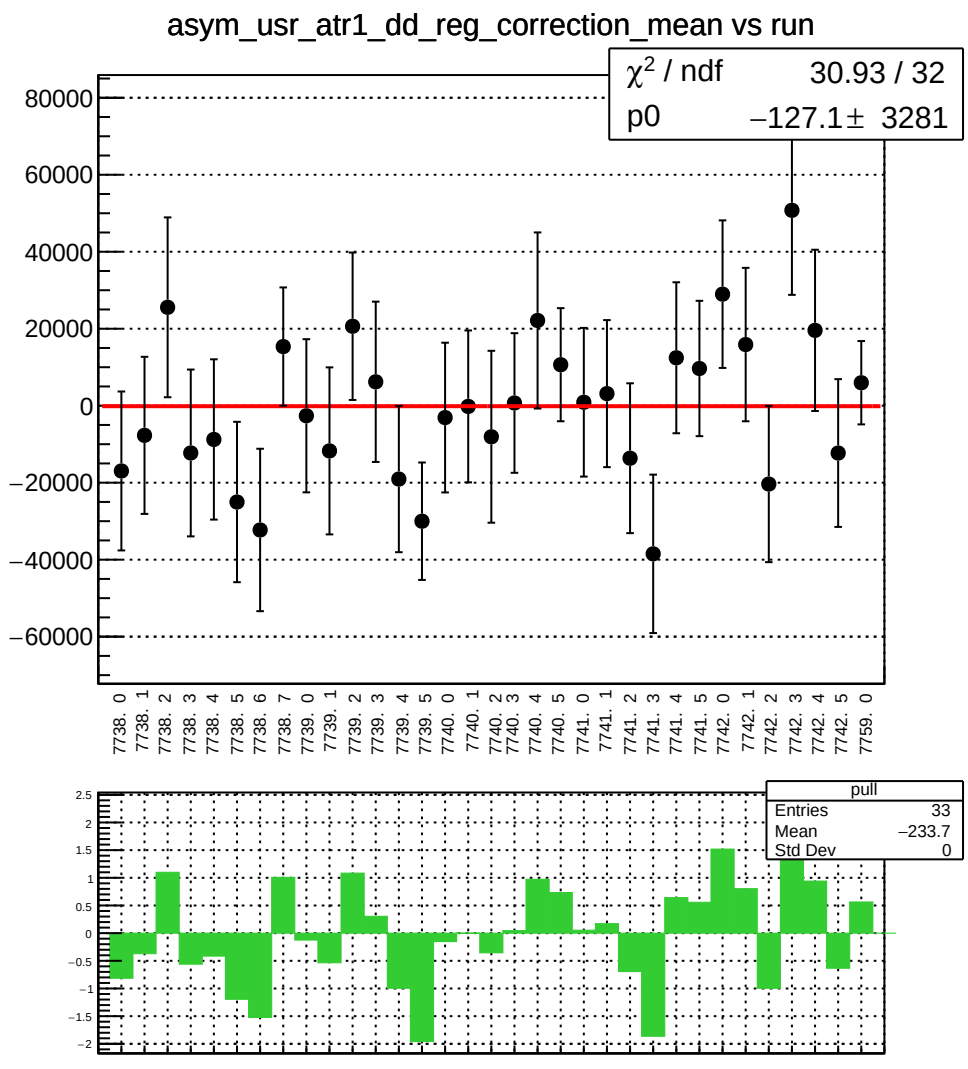

pull1D
Entries 33
Mean 0.2083
Std Dev 1.083
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

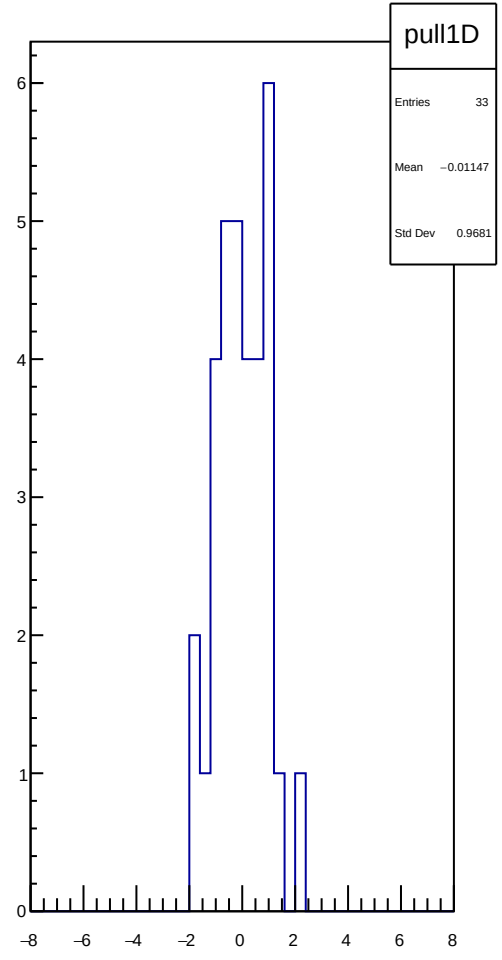

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.096e+05 / 32
p0 1.136e−10 ± 1.911e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

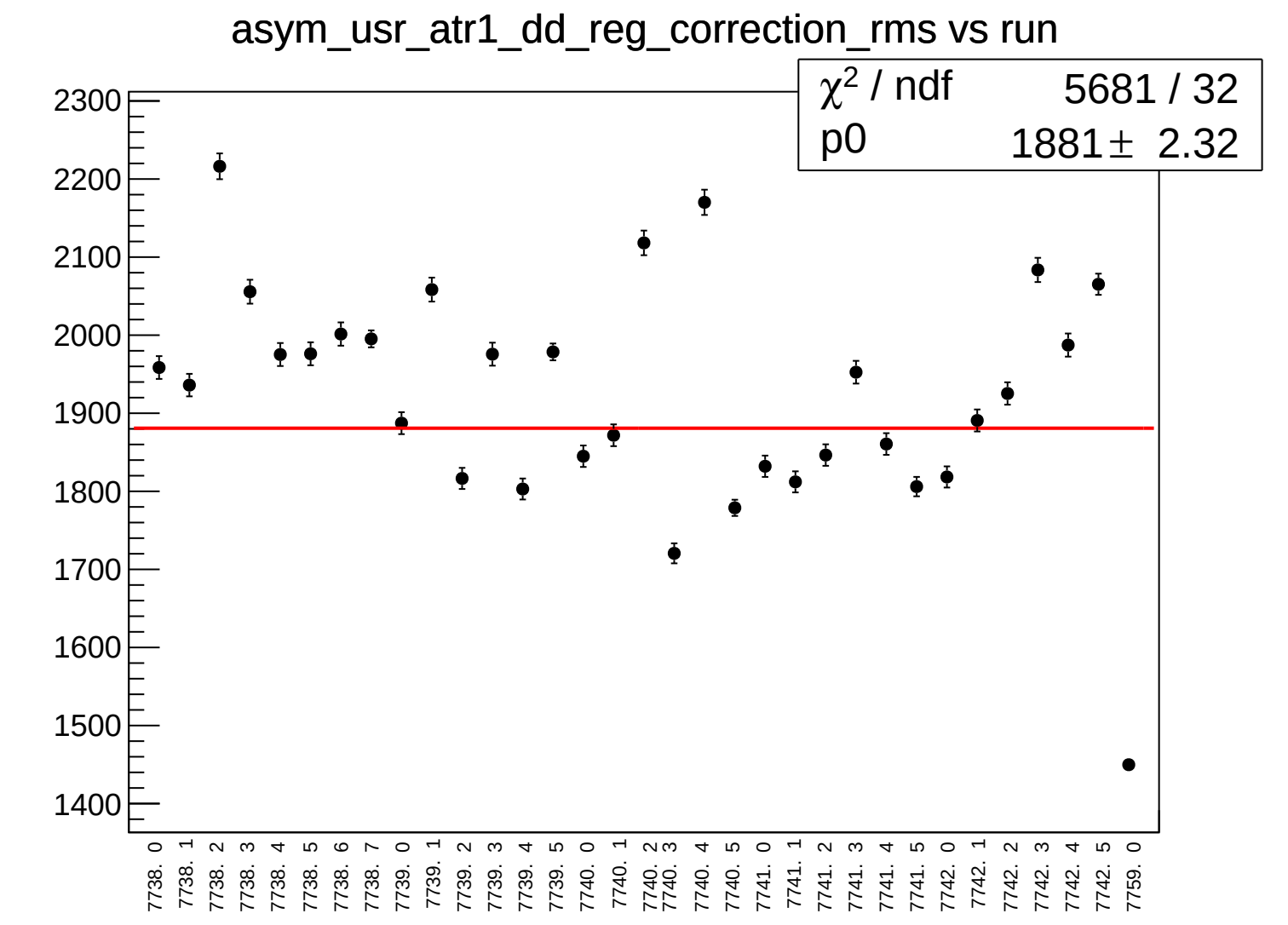

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 13.67 / 32
p0 −3894 ± 2321
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.733
Std Dev 17.24
1.5
1
0.5
0
−0.5
−1

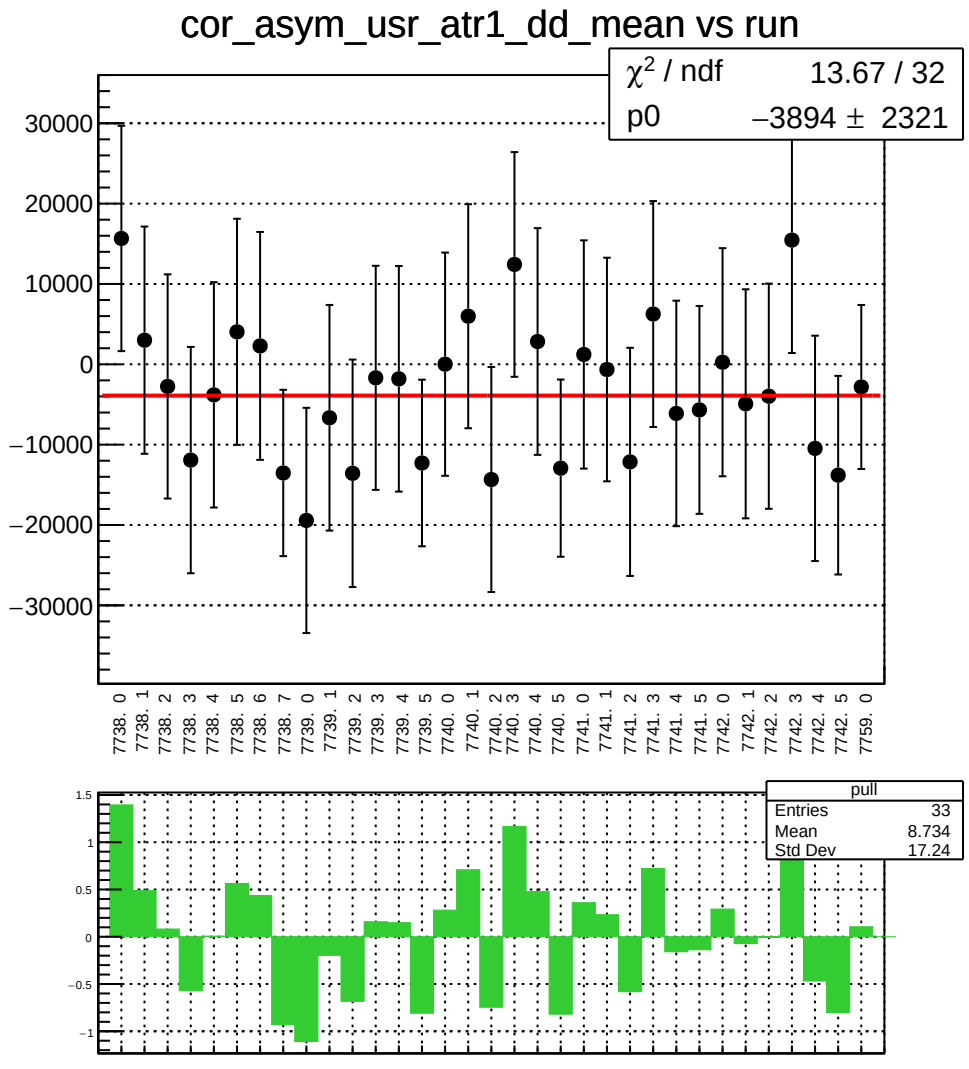

pull1D
Entries 33
Mean 0.02774
Std Dev 0.643
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

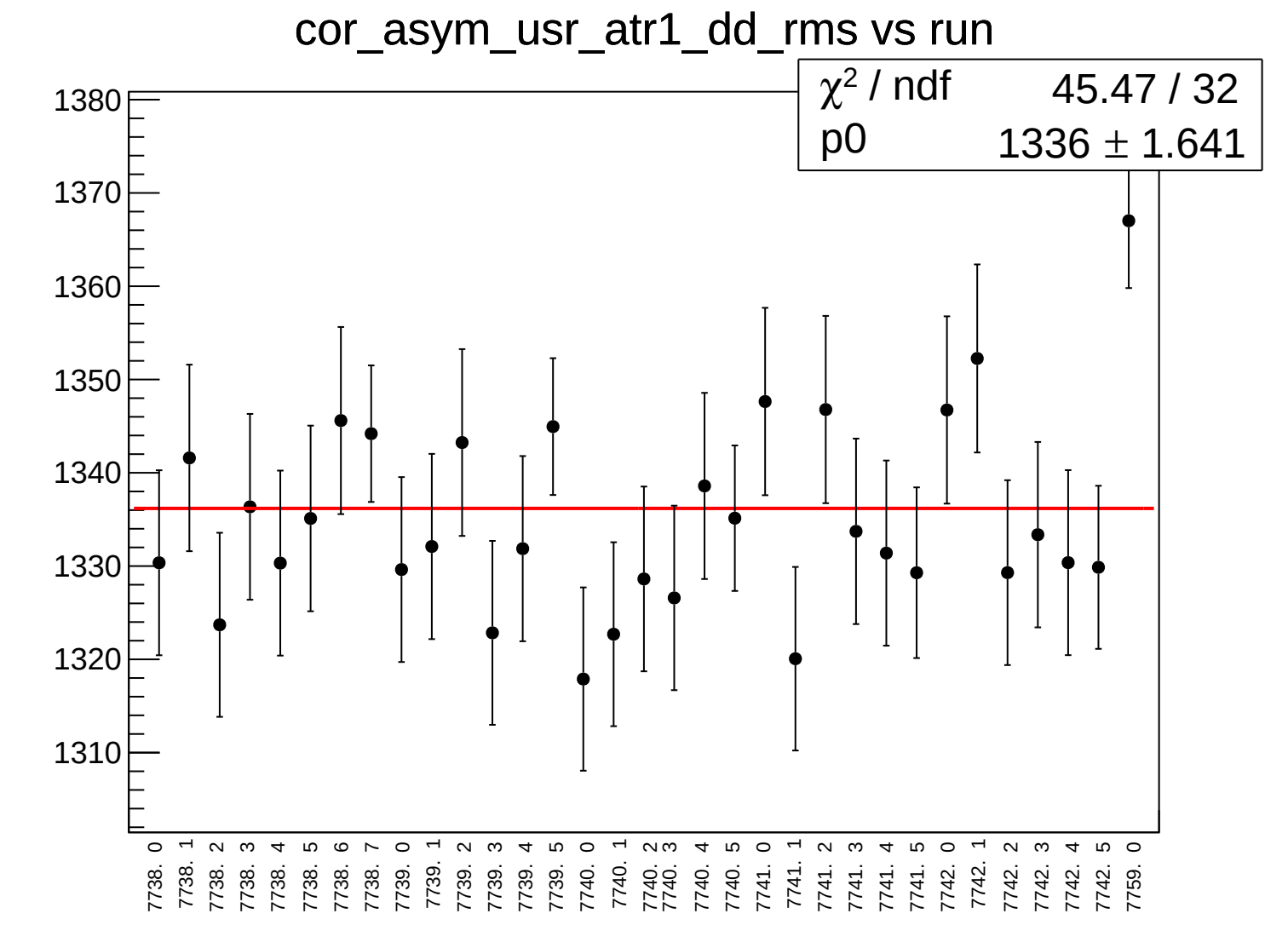

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 45.47 / 32
p0 1336 ± 1.641
1380
1370
1360
1350
1340
1330
1320
1310
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

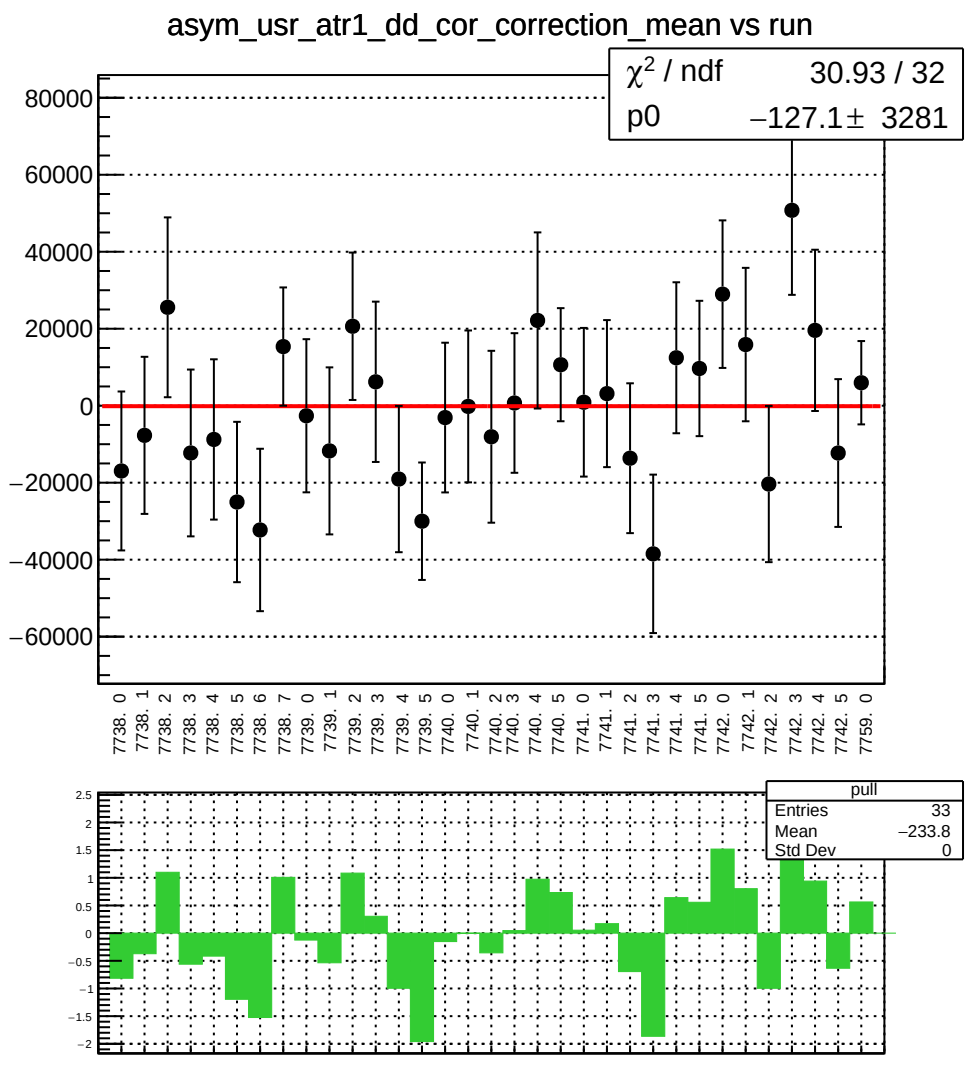

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 30.93 / 32
p0 −127.1± 3281
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −233.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

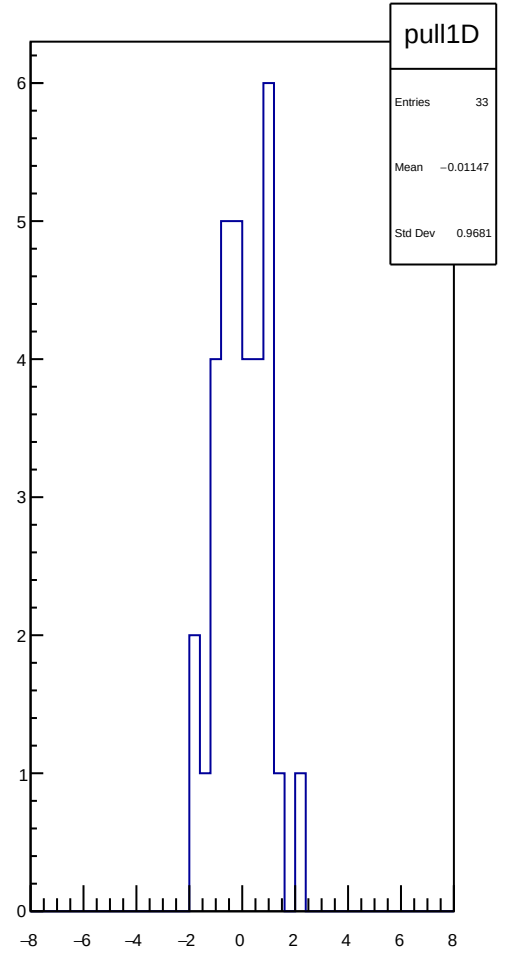

pull1D
Entries 33
Mean −0.01147
Std Dev 0.9681
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

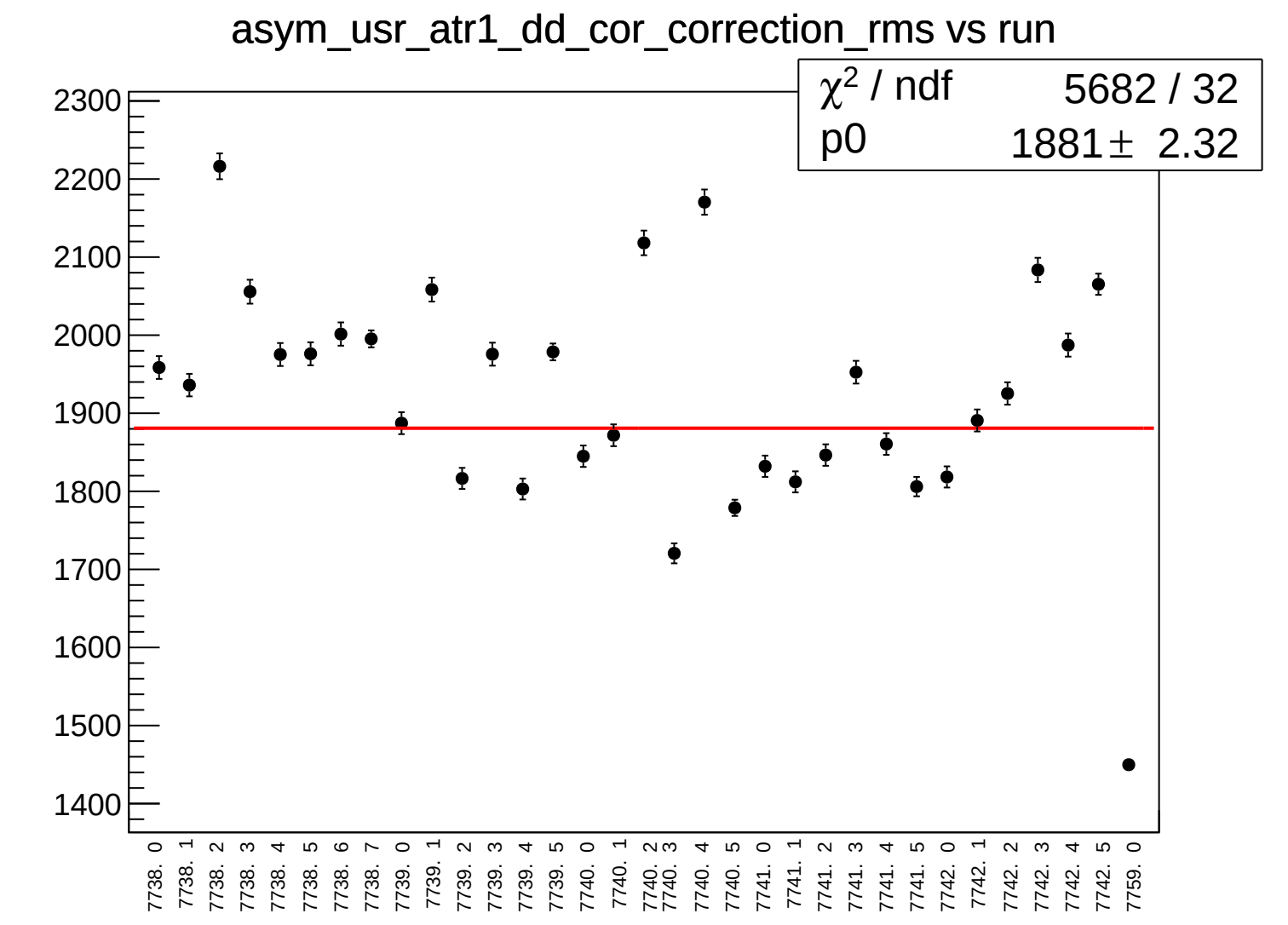

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 5681 / 32
p0 1881 ± 2.32
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

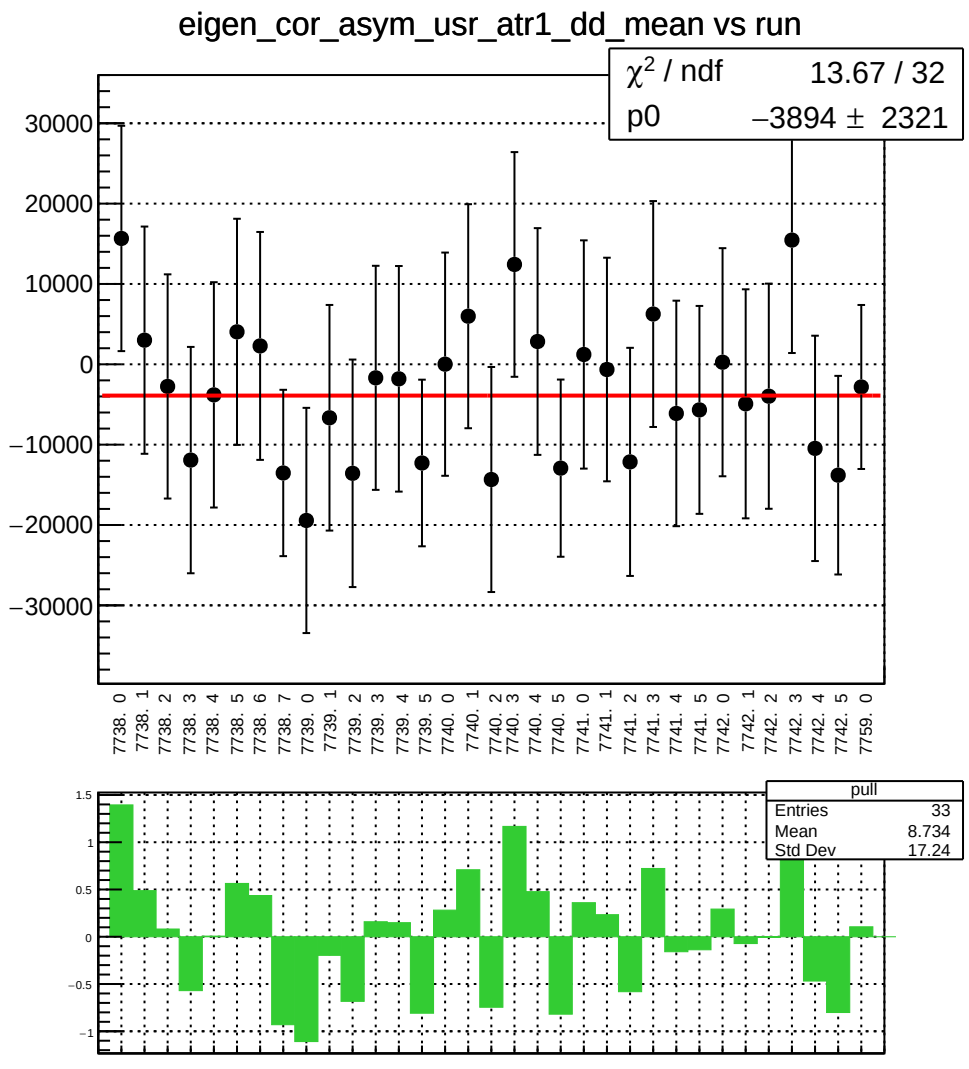

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 13.67 / 32
p0 −3894 ± 2321
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.734
Std Dev 17.24
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.02774
Std Dev 0.643
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

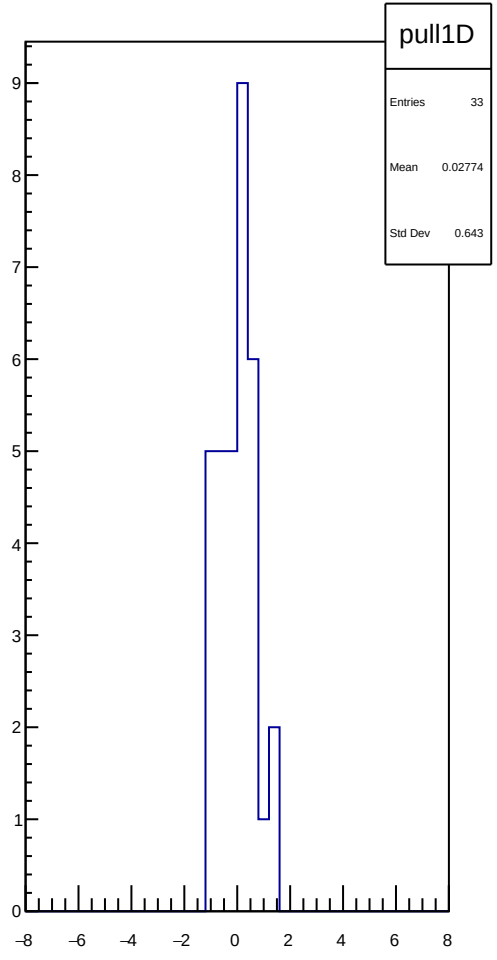

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 45.47 / 32
p0 1336 ± 1.641
1380
1370
1360
1350
1340
1330
1320
1310
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

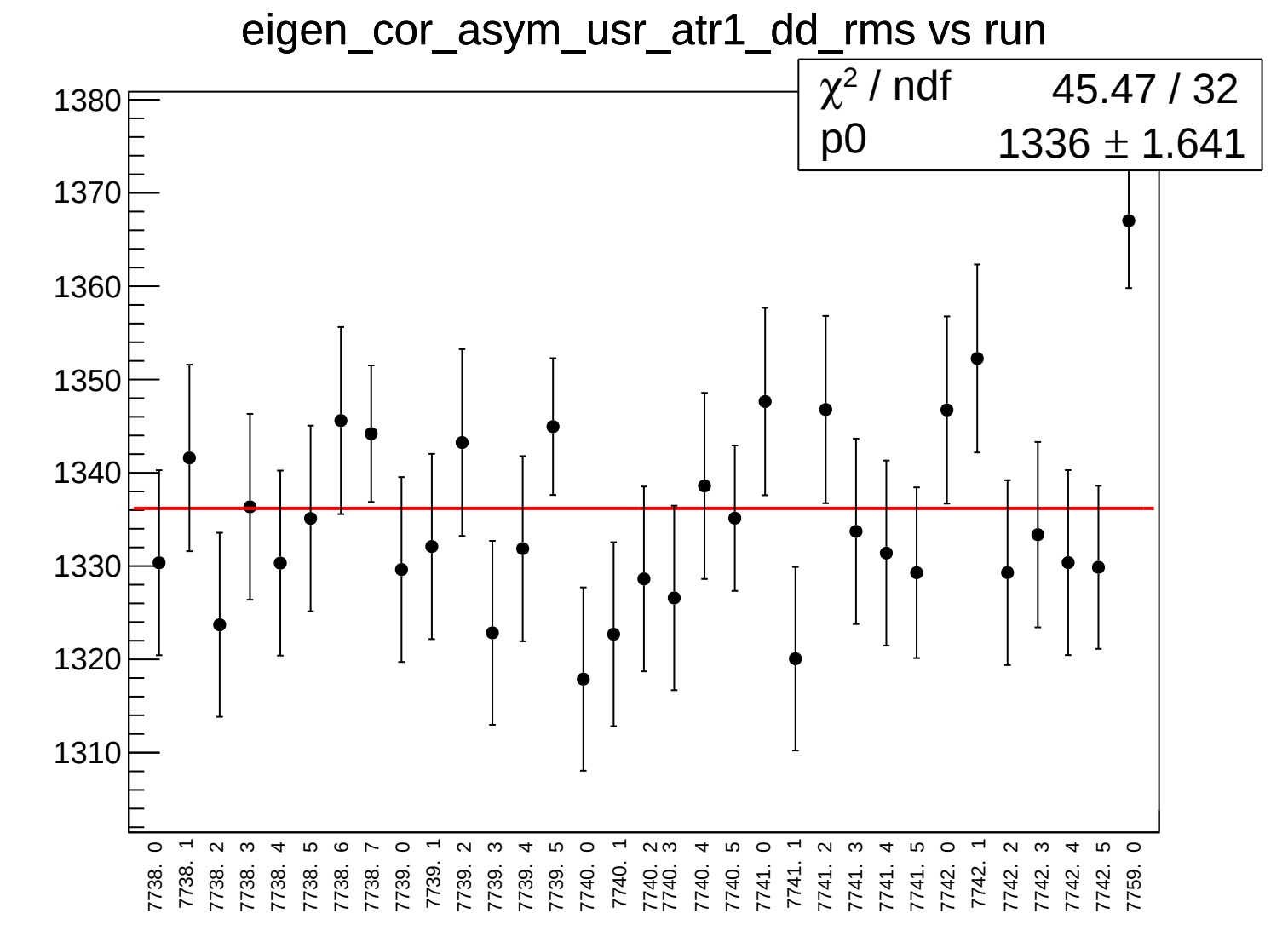

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 30.93 / 32
p0 −127.1± 3281
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −233.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

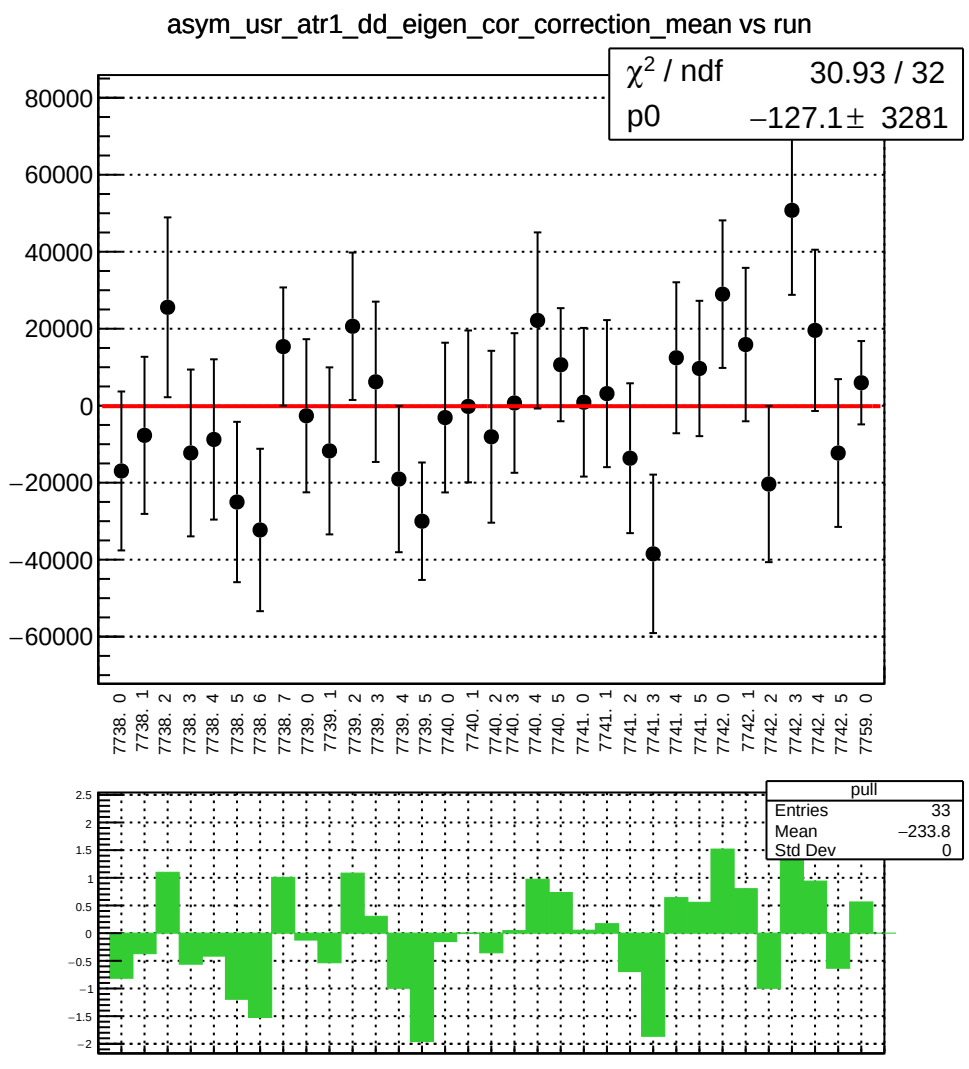

pull1D
Entries 33
Mean −0.01147
Std Dev 0.9681
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

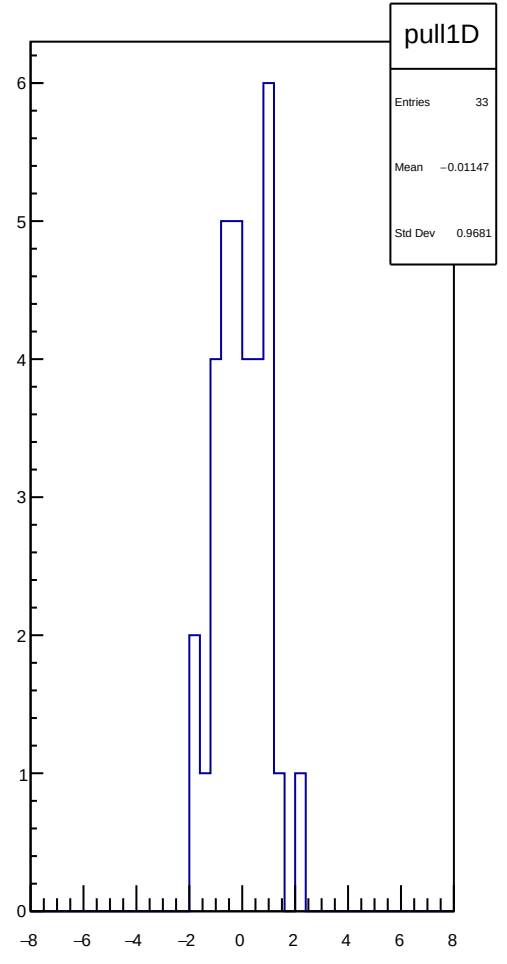

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 5682 / 32
p0 1881 ± 2.32
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

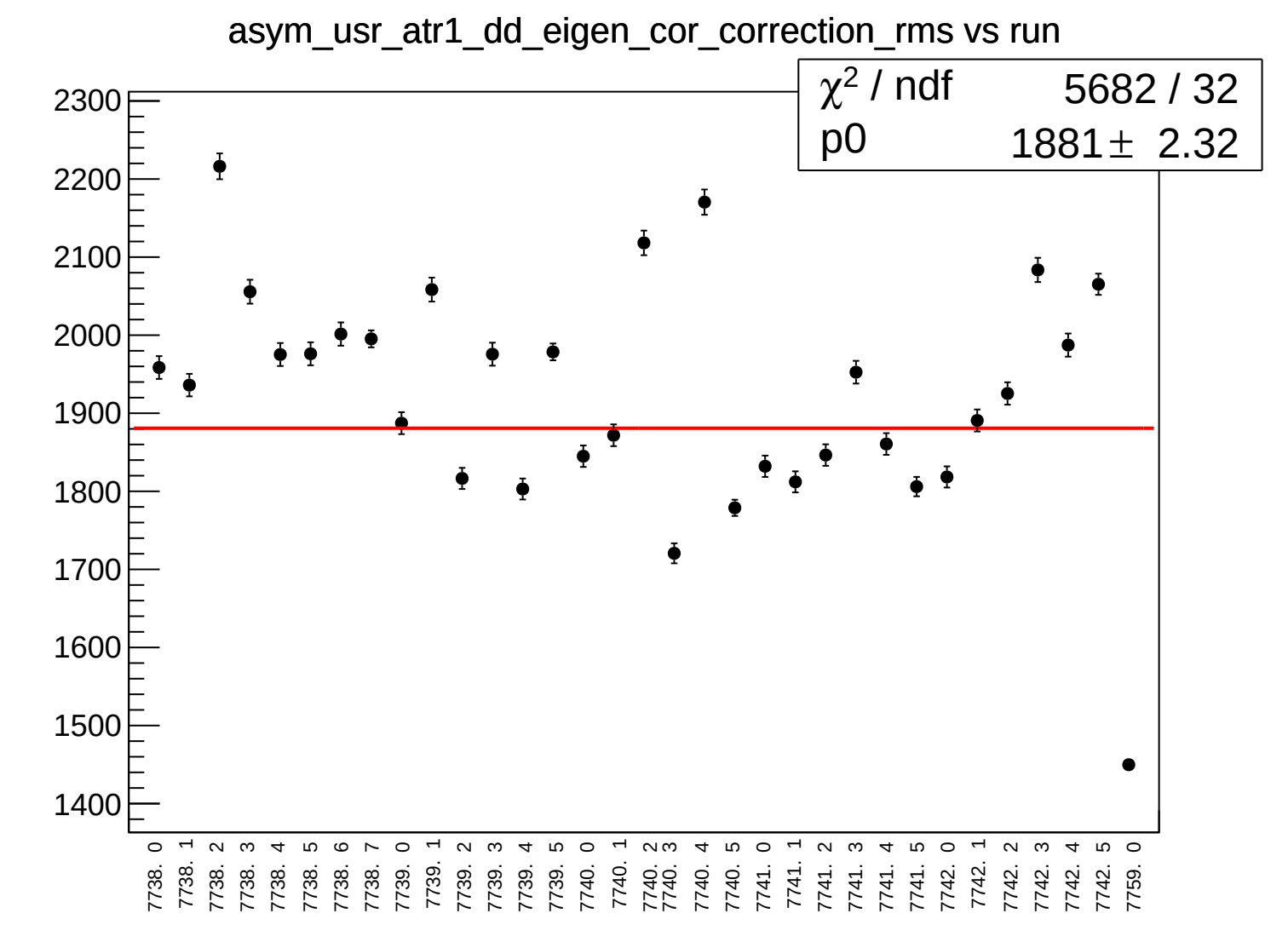

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 13.67 / 32
p0 −3894 ± 2321
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.734
Std Dev 17.24
1.5
1
0.5
0
−0.5
−1

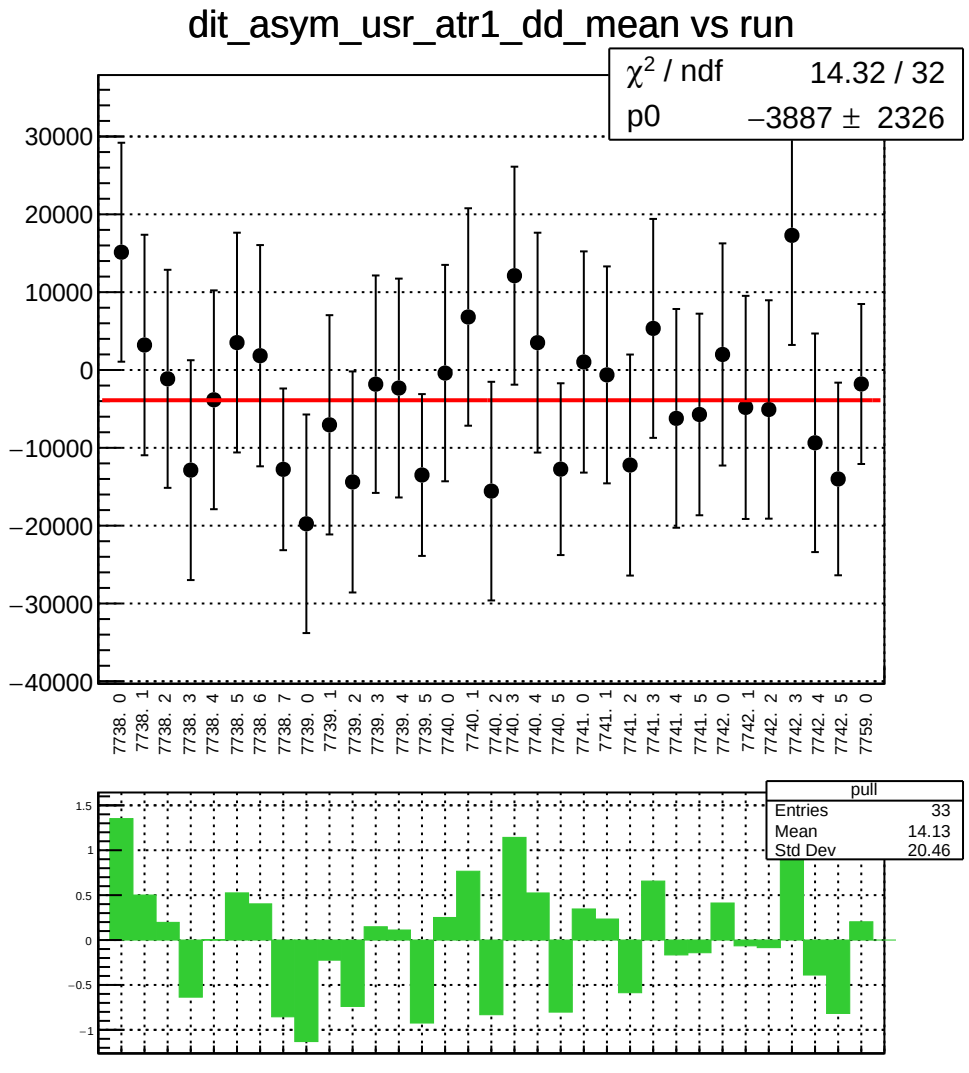

pull1D
Entries 33
Mean 0.02774
Std Dev 0.643
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

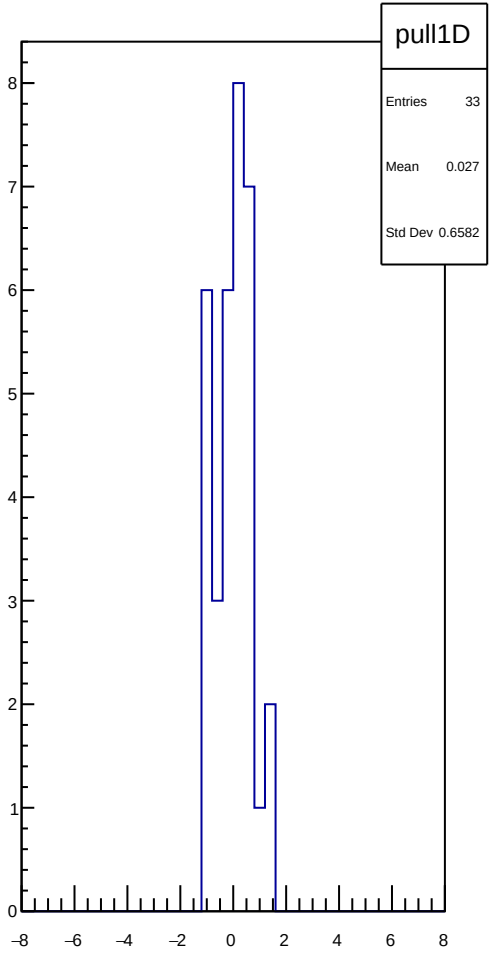

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 45.47 / 32
p0 1336 ± 1.641
1380
1370
1360
1350
1340
1330
1320
1310
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

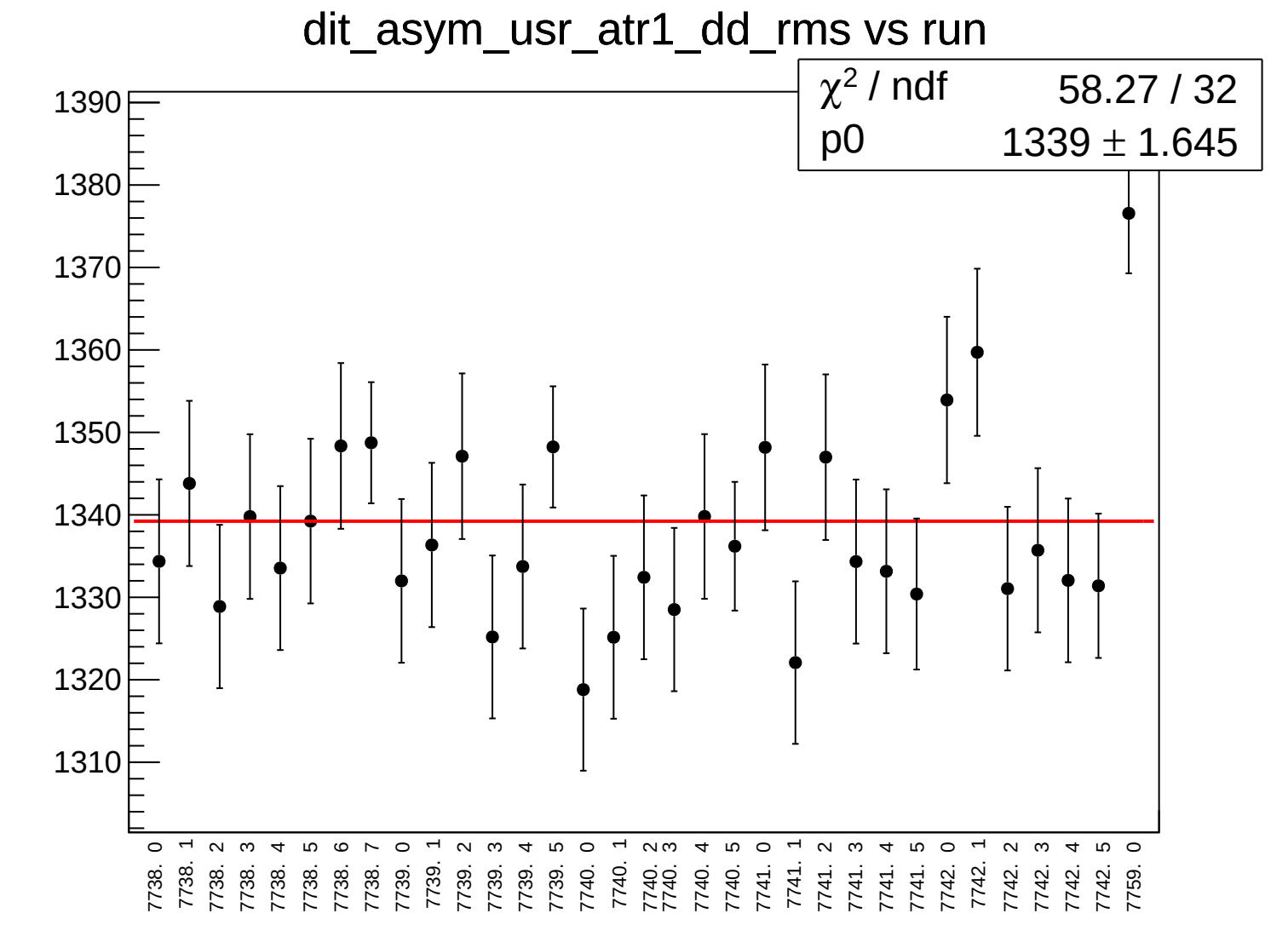

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.93 / 32
p0 −127.1± 3281
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −233.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

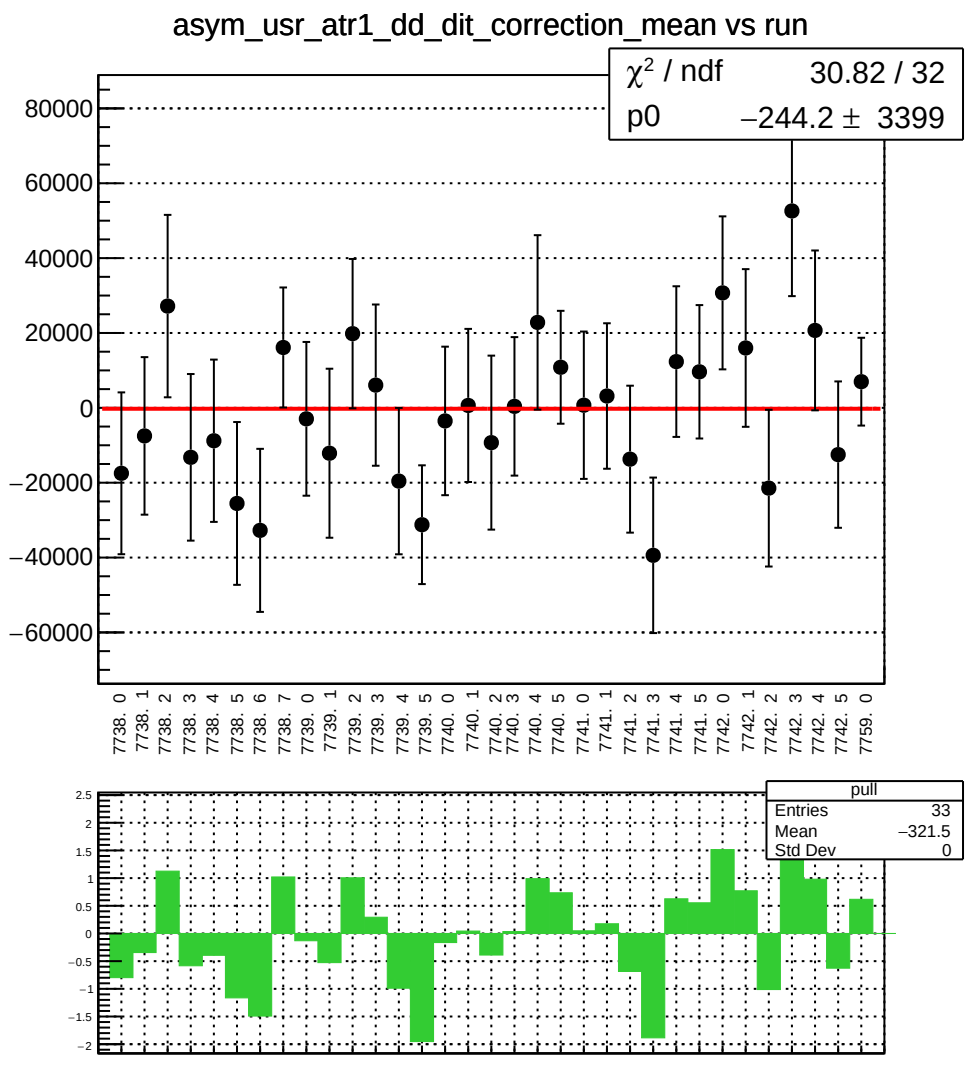

pull1D
Entries 33
Mean −0.01147
Std Dev 0.9681
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

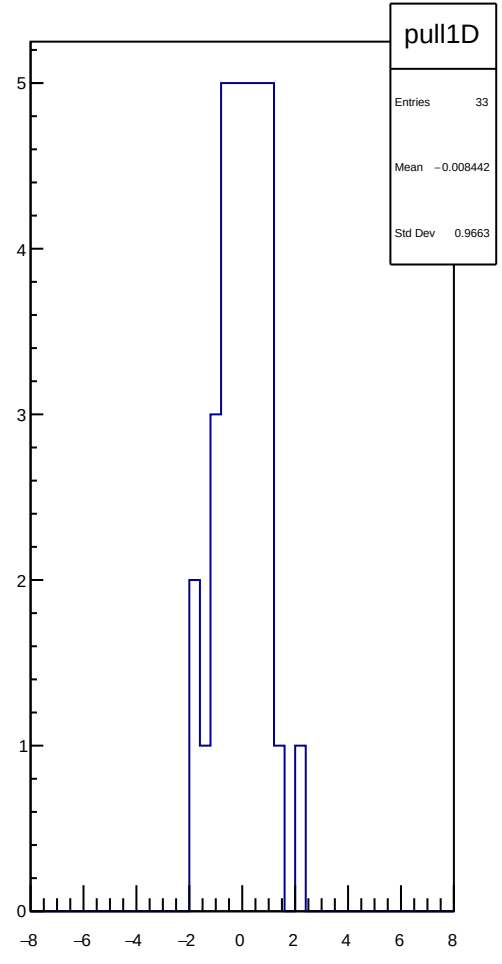

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5682 / 32
p0 1881 ± 2.32
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

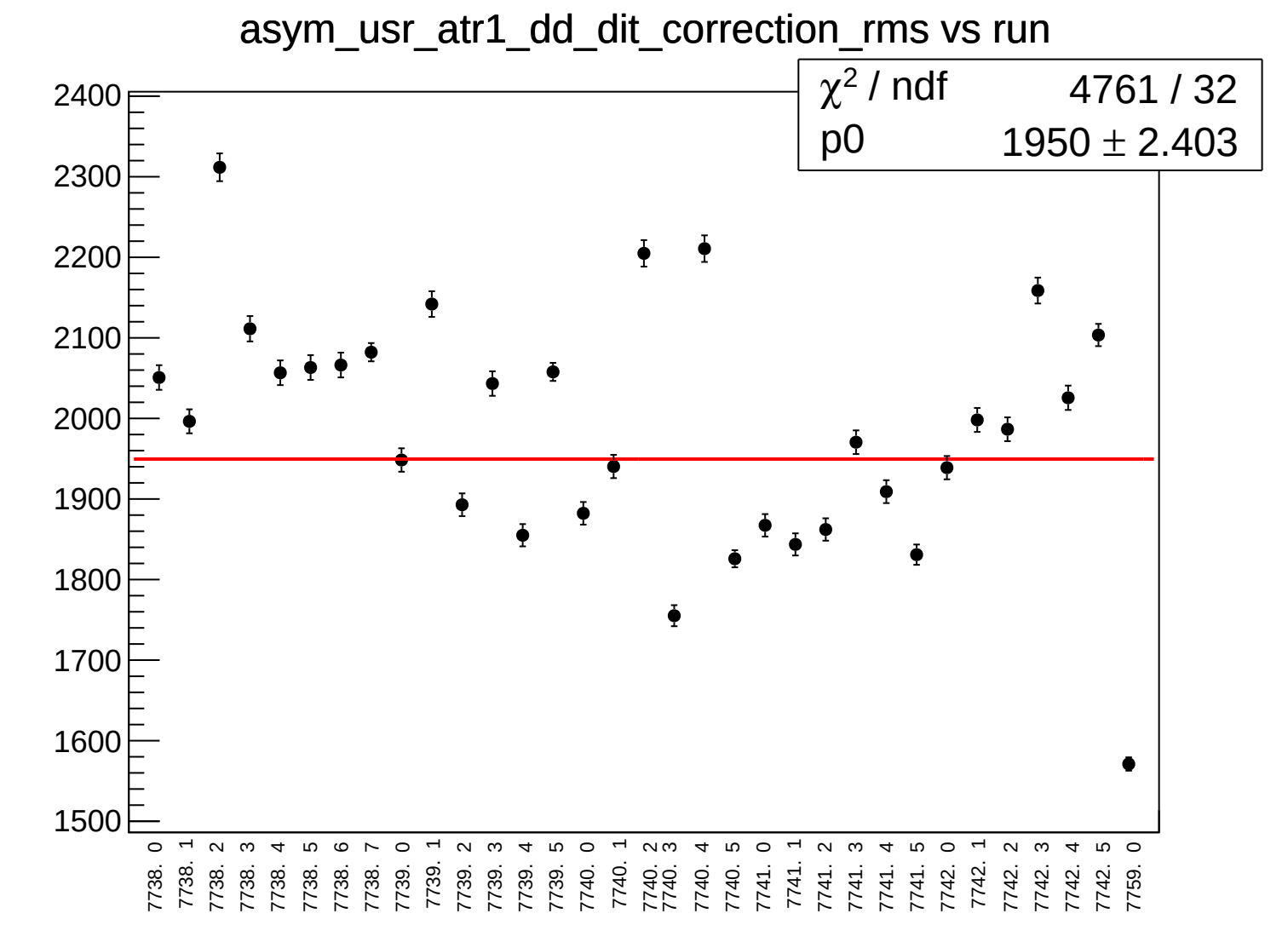

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 14.32 / 32
p0 −3887 ± 2326
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.13
Std Dev 20.46
1.5
1
0.5
0
−0.5
−1

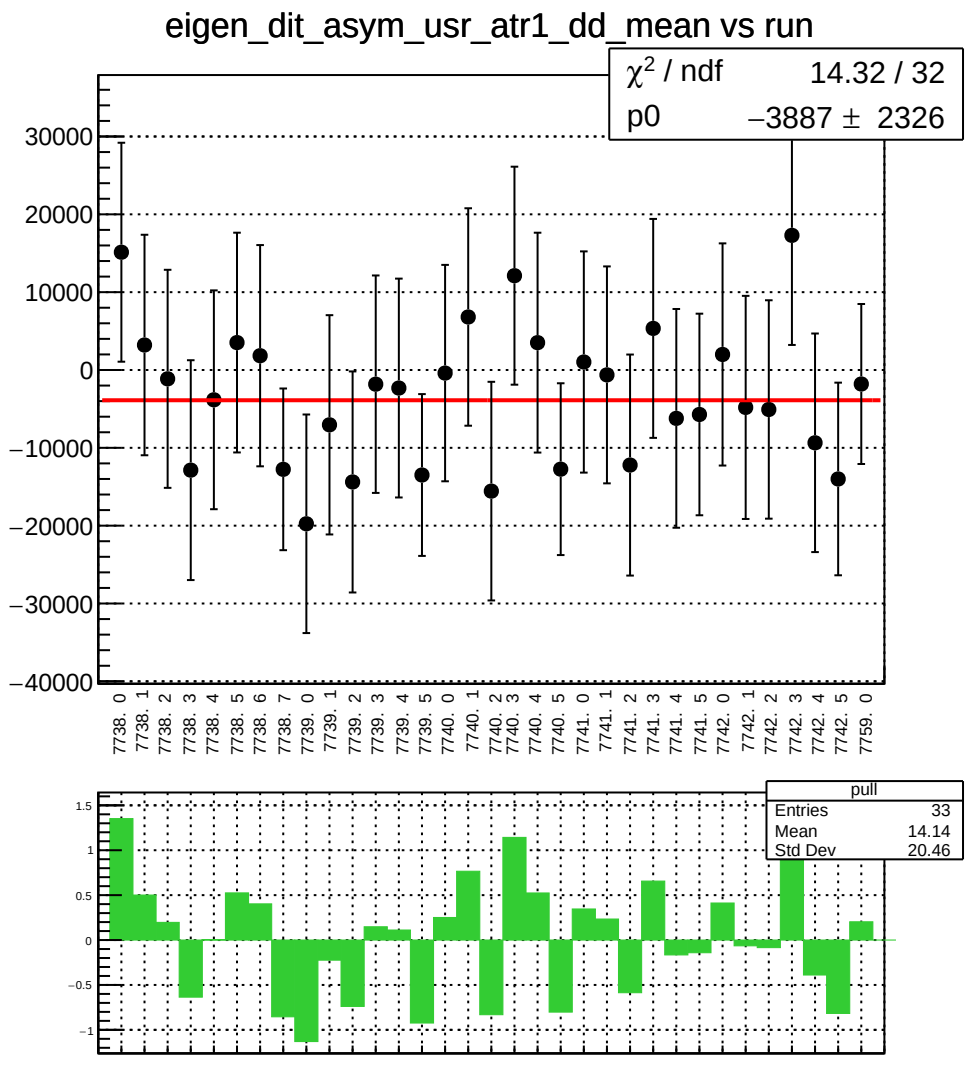

pull1D
Entries 33
Mean 0.027
Std Dev 0.6582
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

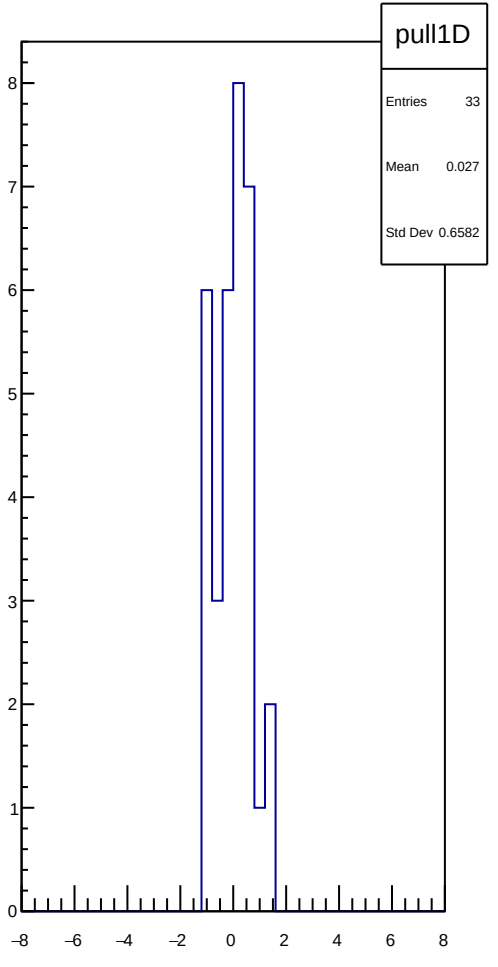

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 58.27 / 32
p0 1339 ± 1.645
1390
1380
1370
1360
1350
1340
1330
1320
1310
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

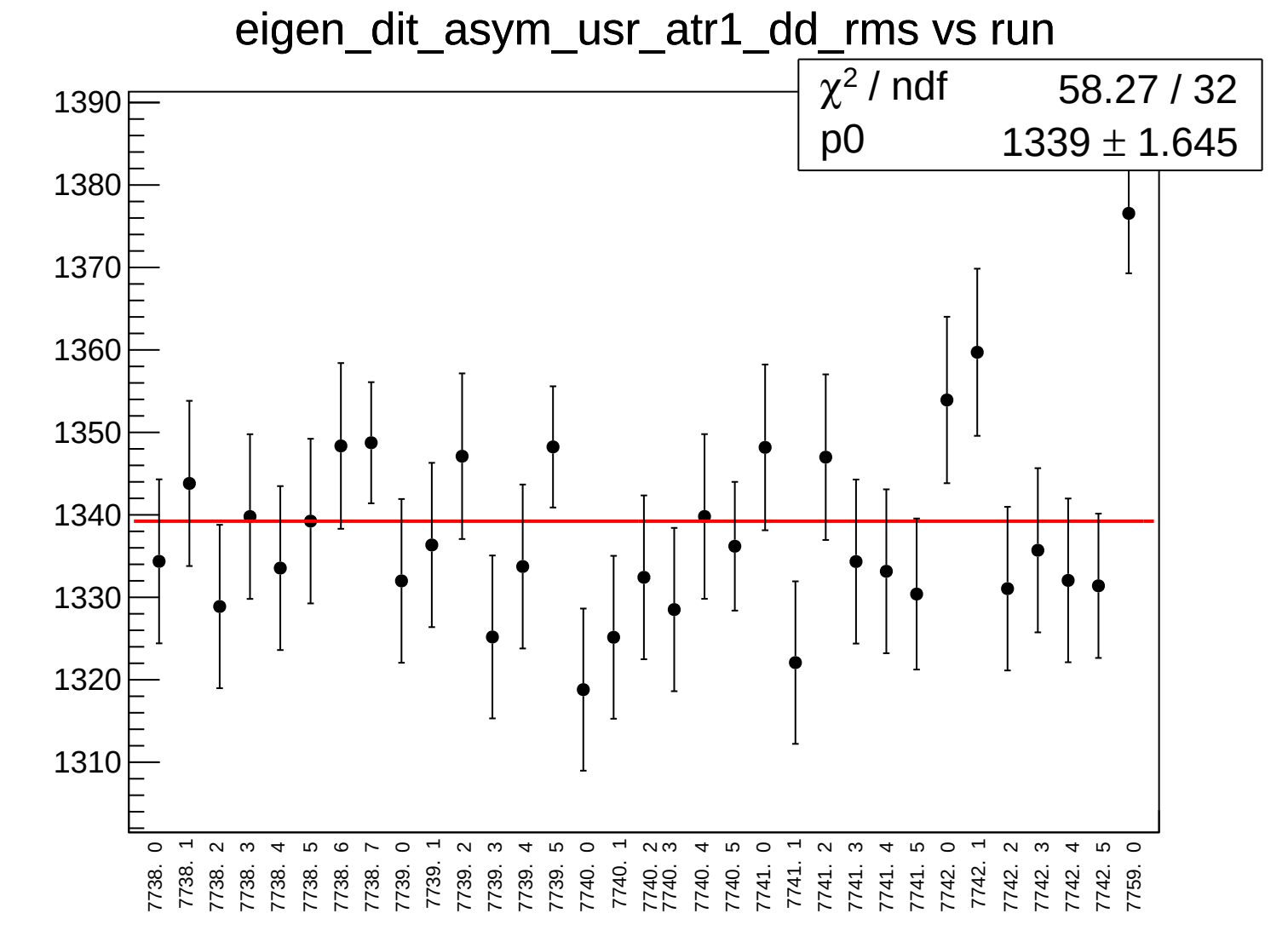

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 30.82 / 32
p0 −244.2 ± 3399
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −321.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

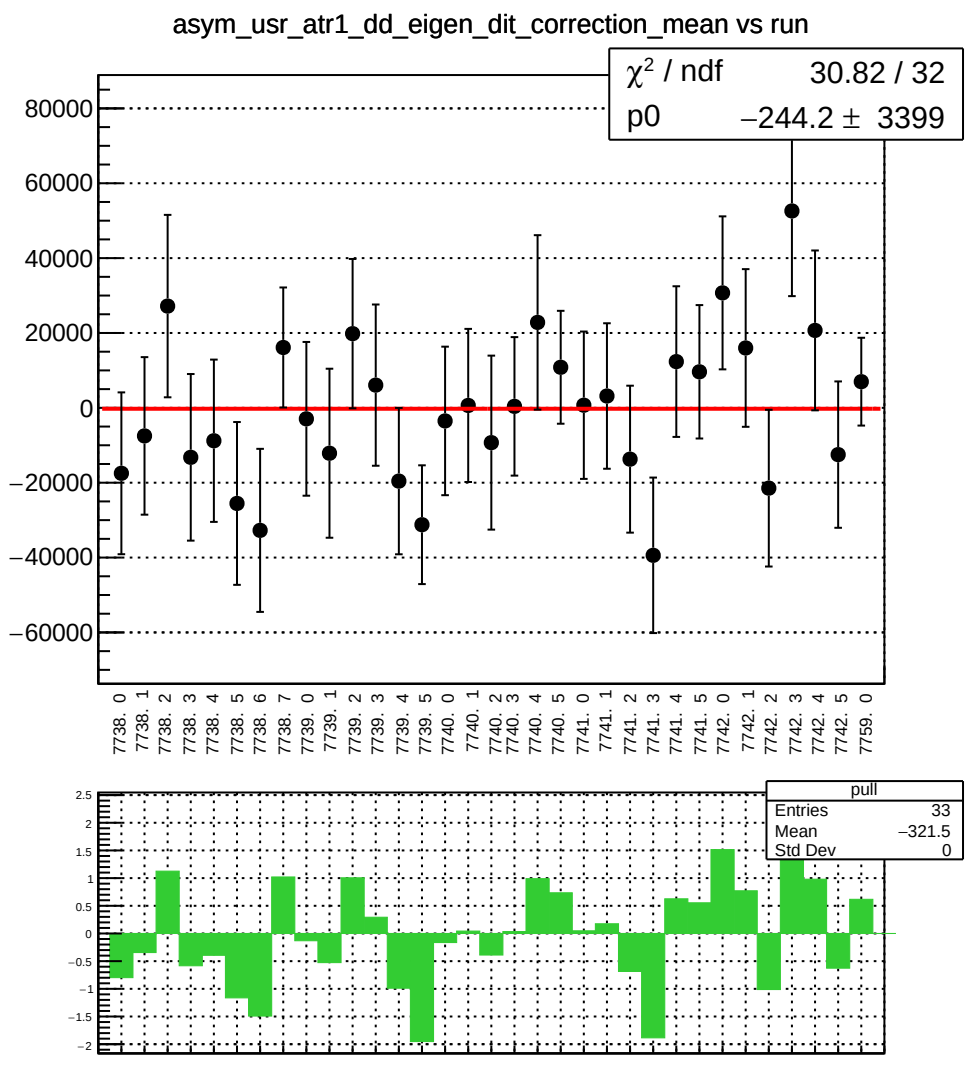

pull1D
Entries 33
Mean −0.008442
Std Dev 0.9663
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

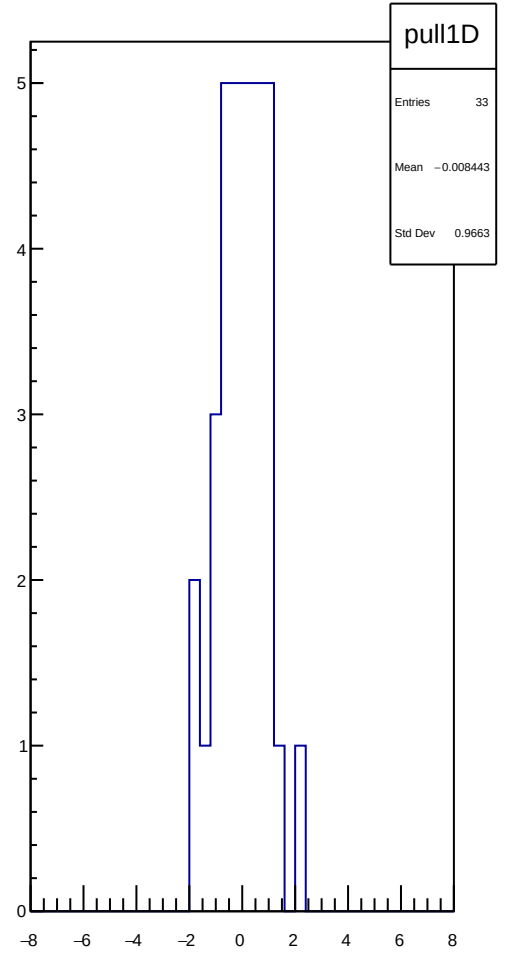

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 4761 / 32
p0 1950 ± 2.403
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

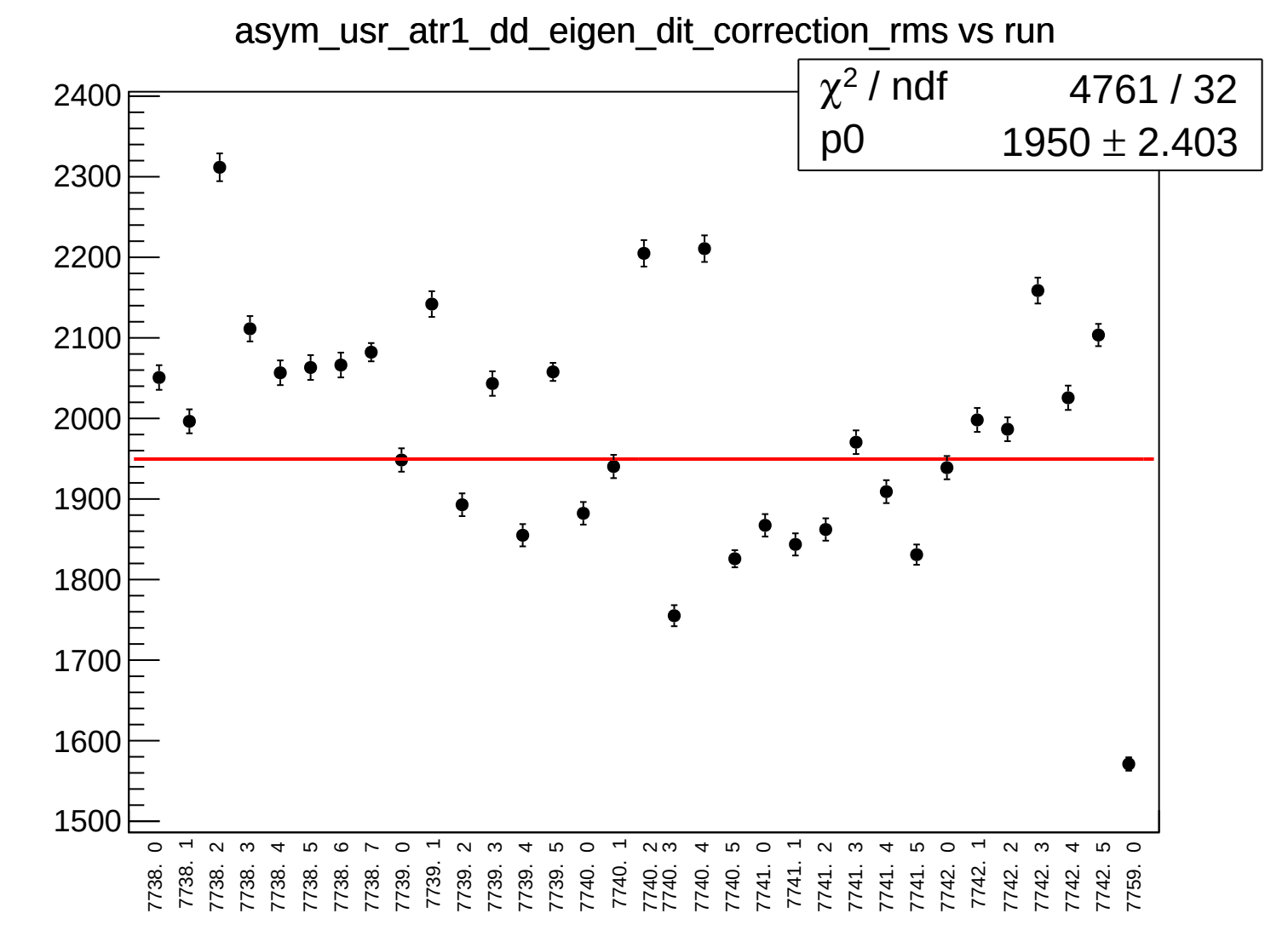

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 14.32 / 32
p0 −3887 ± 2326
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.14
Std Dev 20.46
1.5
1
0.5
0
−0.5
−1

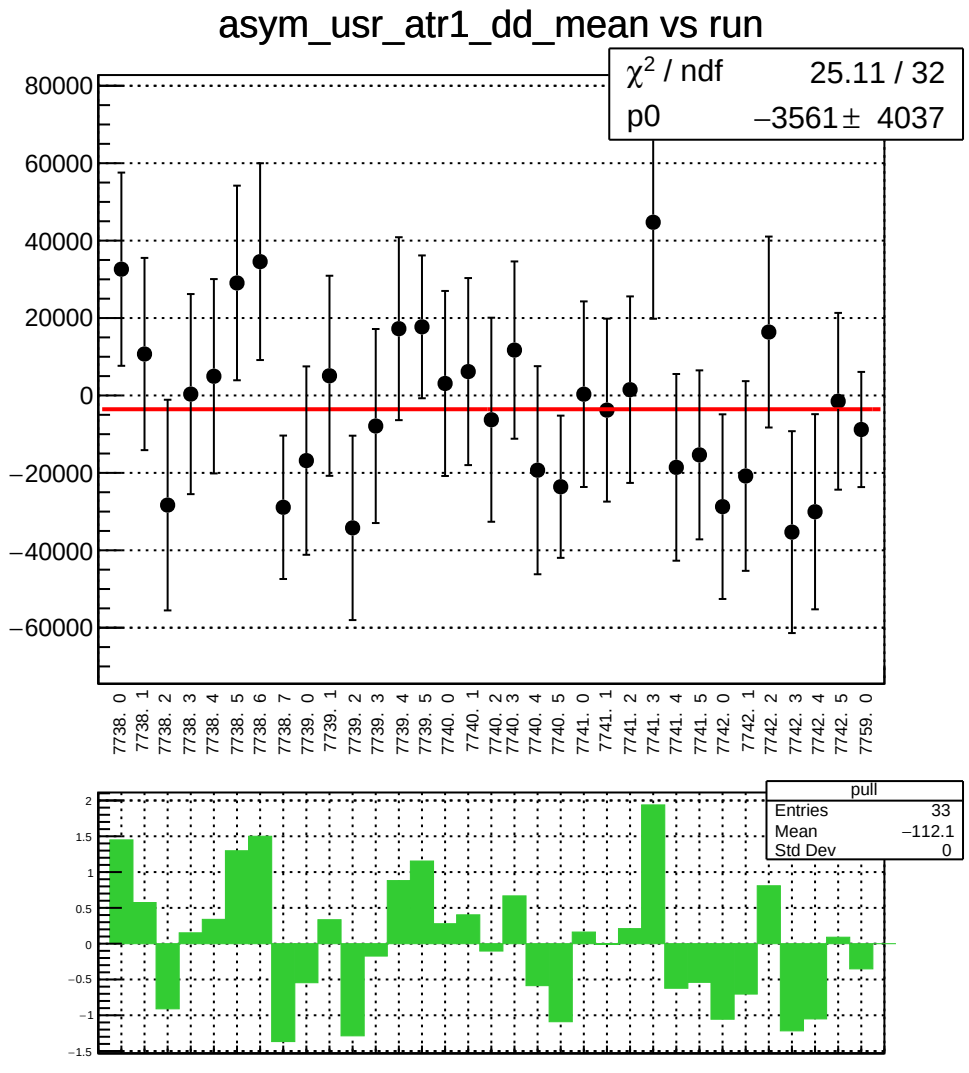

pull1D
Entries 33
Mean 0.027
Std Dev 0.6582
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

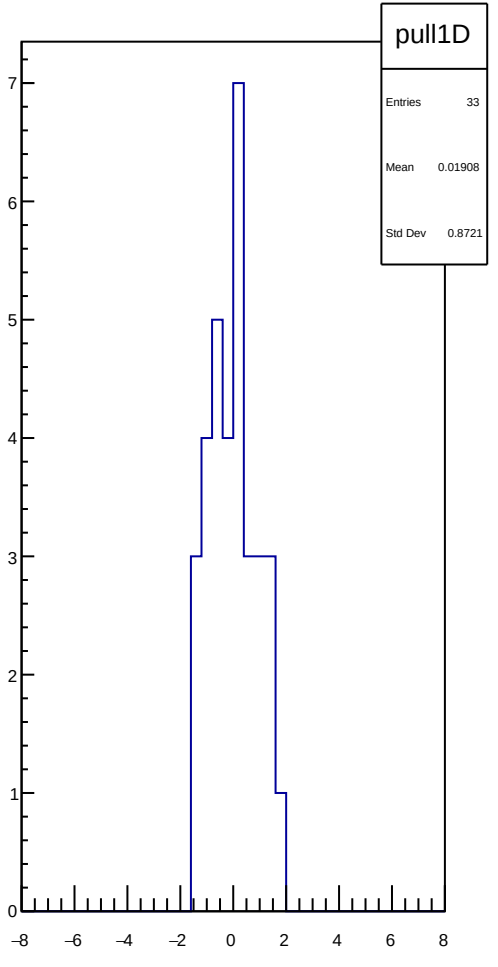

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 58.27 / 32
p0 1339 ± 1.645
1390
1380
1370
1360
1350
1340
1330
1320
1310
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

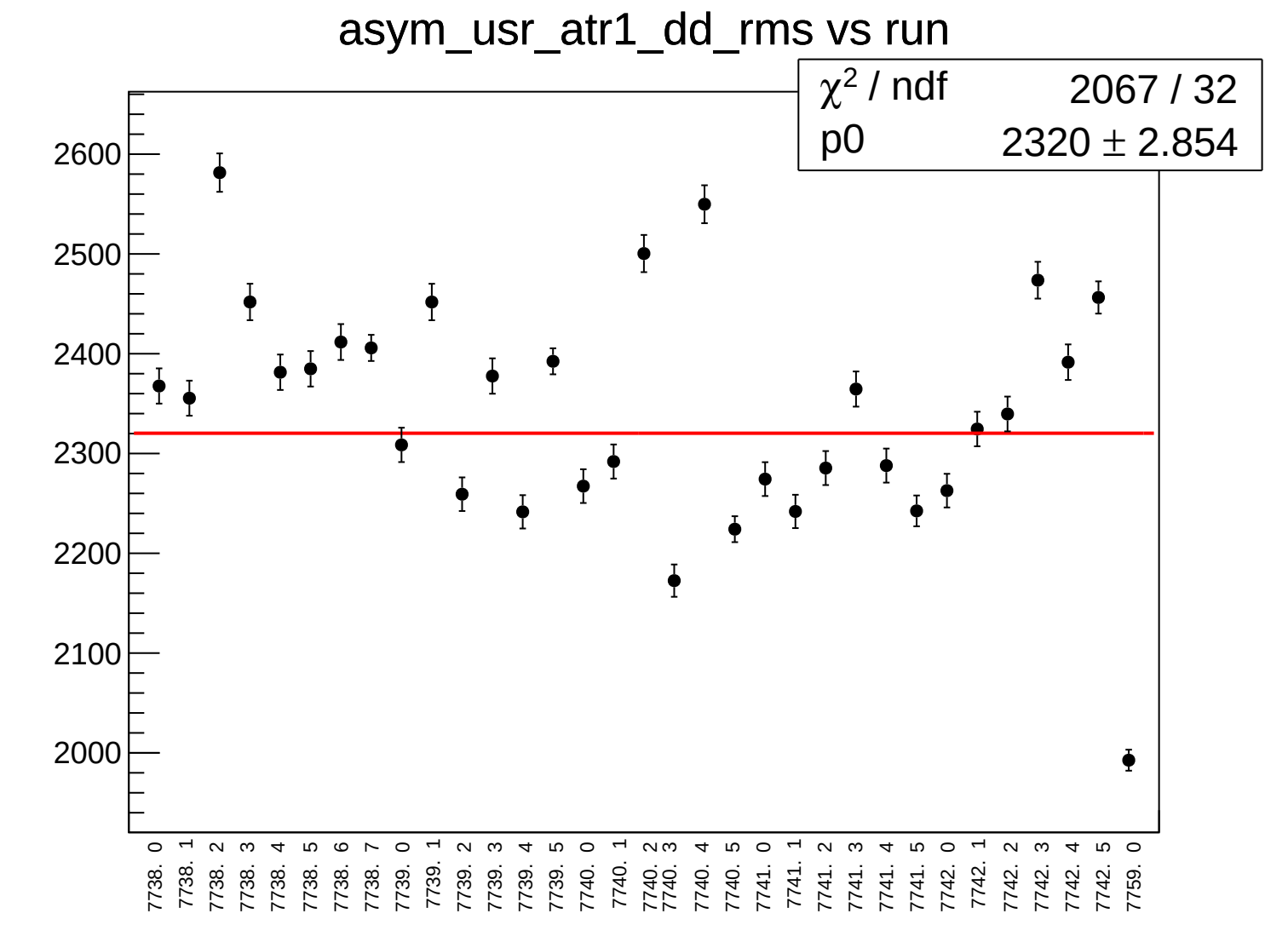

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 30.82 / 32
p0 −244.2 ± 3399
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −321.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

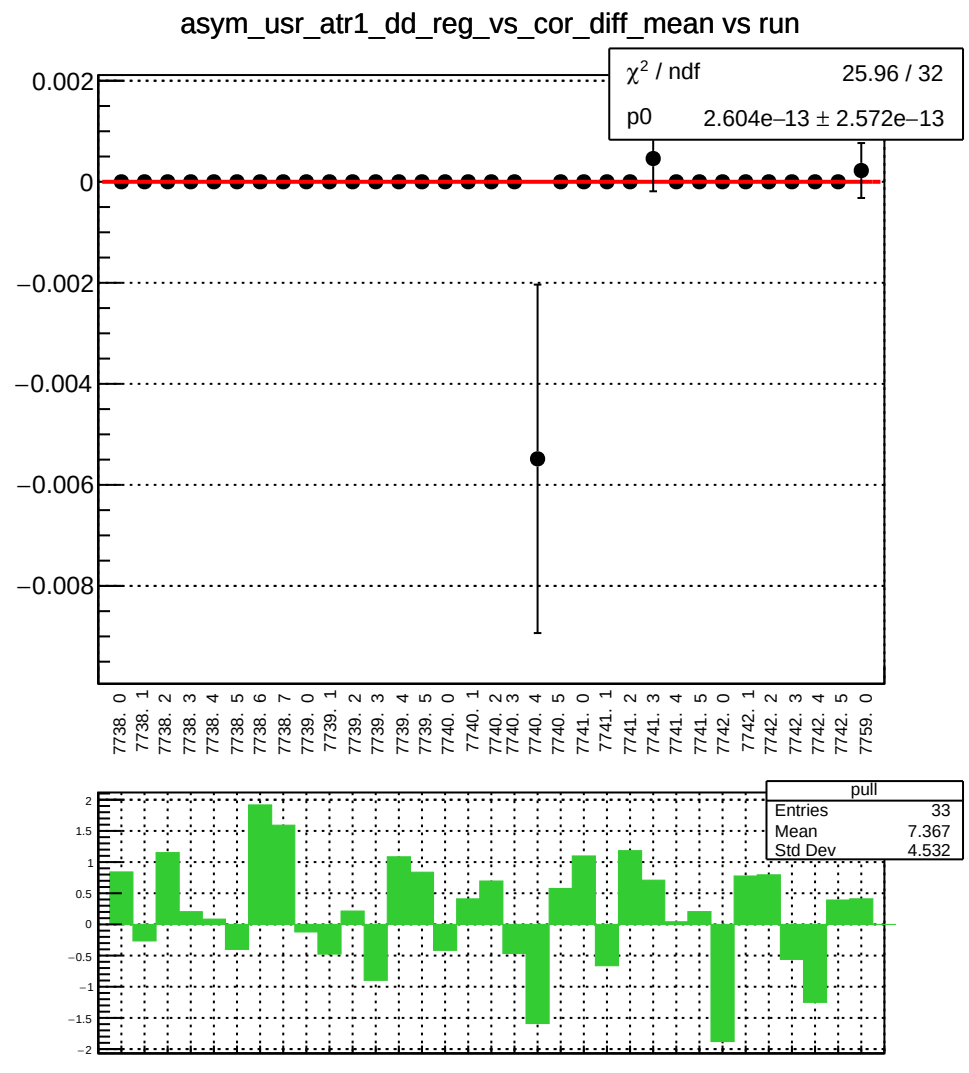

pull1D
Entries 33
Mean −0.008443
Std Dev 0.9663
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

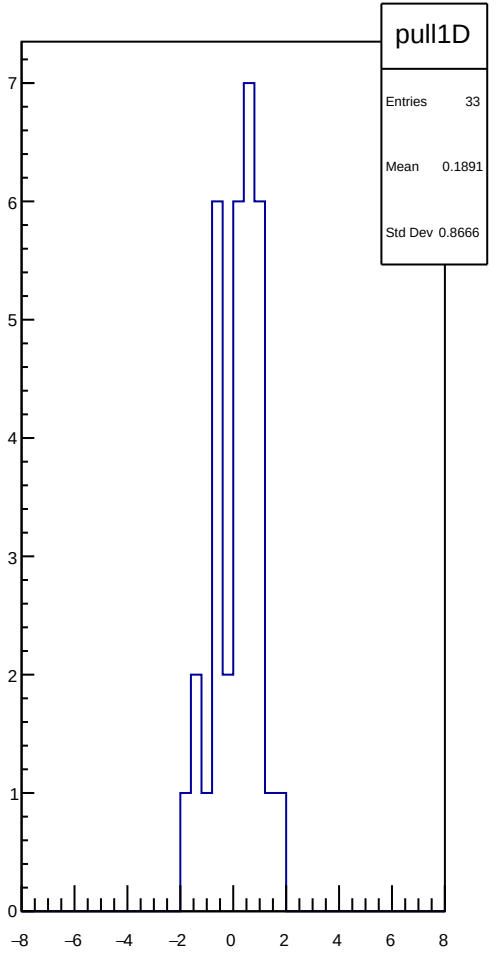

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4761 / 32
p0 1950 ± 2.403
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

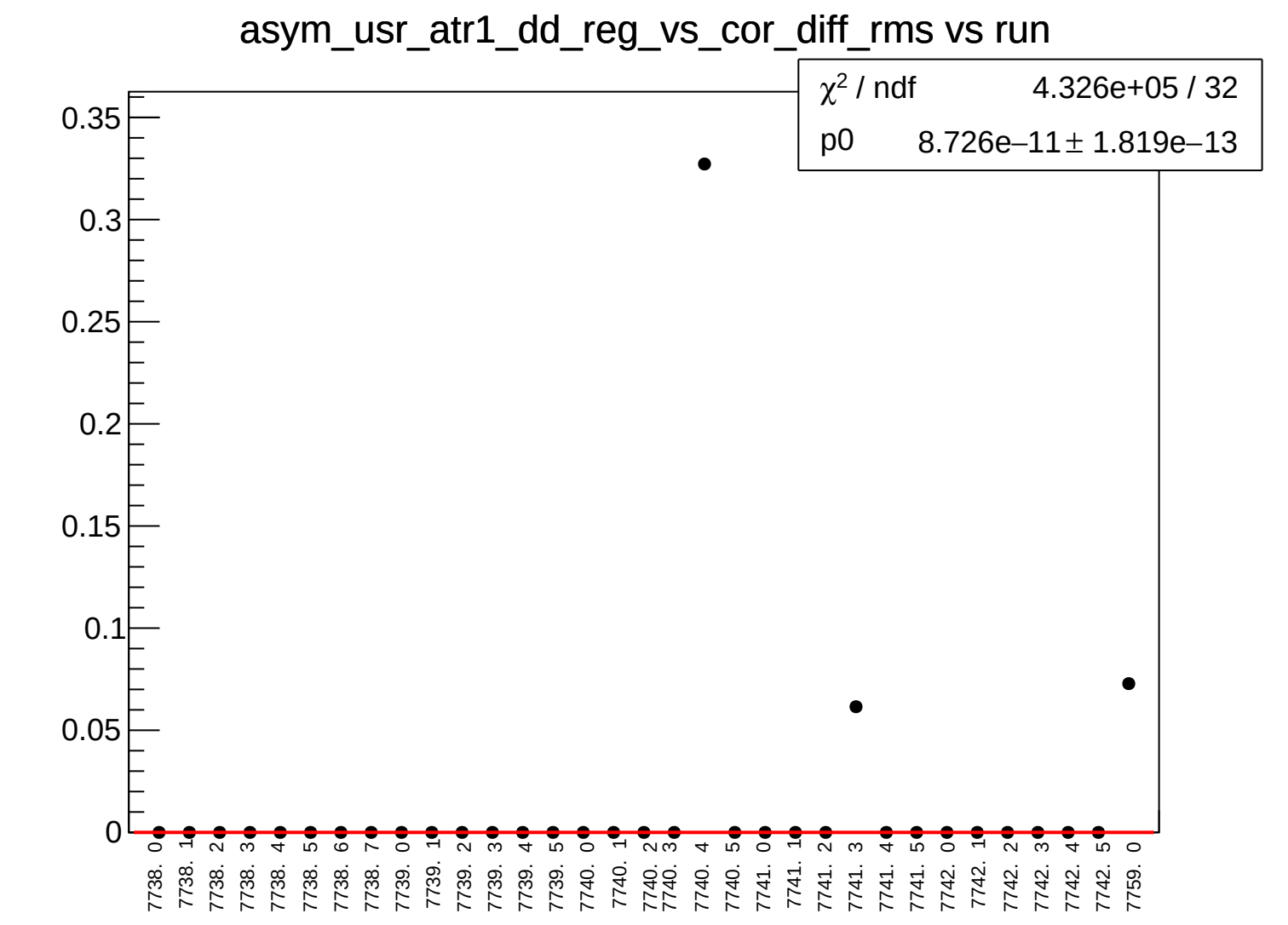

asym_usr_atr1_dd_mean vs run
χ² / ndf 25.11 / 32
p0 −3561 ± 4037
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −112.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

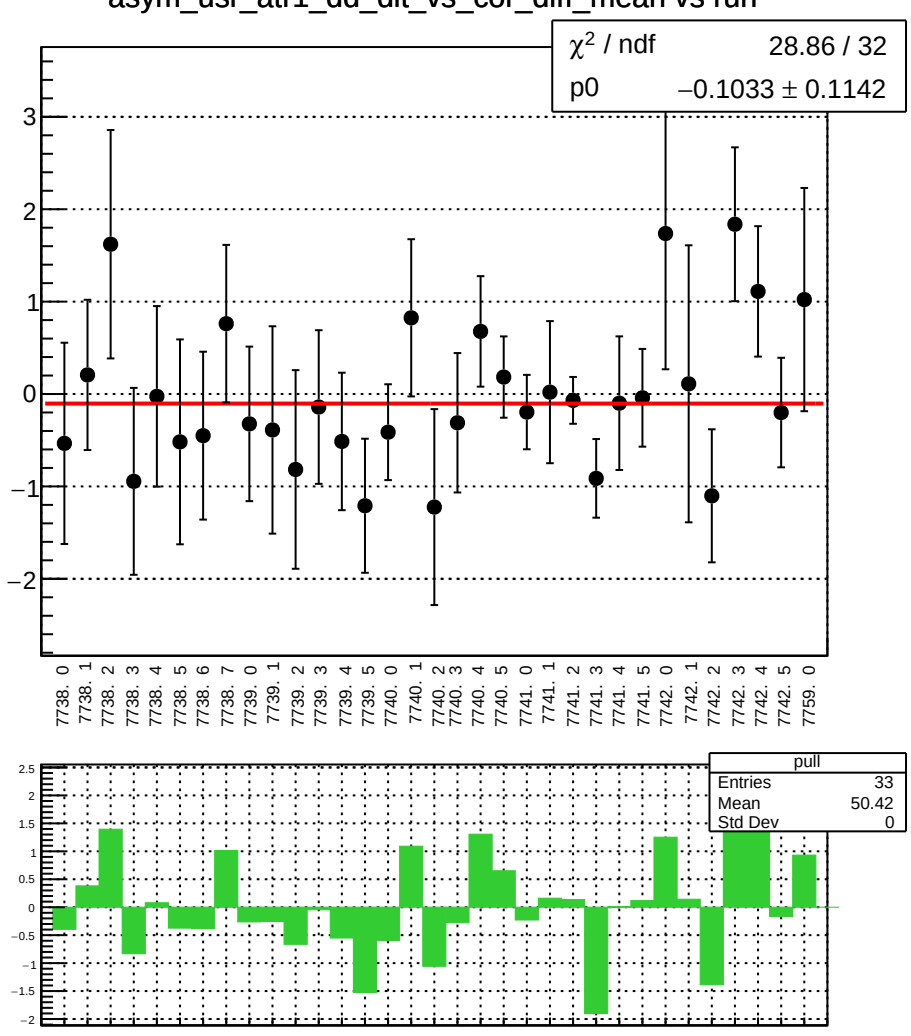

pull1D
Entries 33
Mean 0.01908
Std Dev 0.8721
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

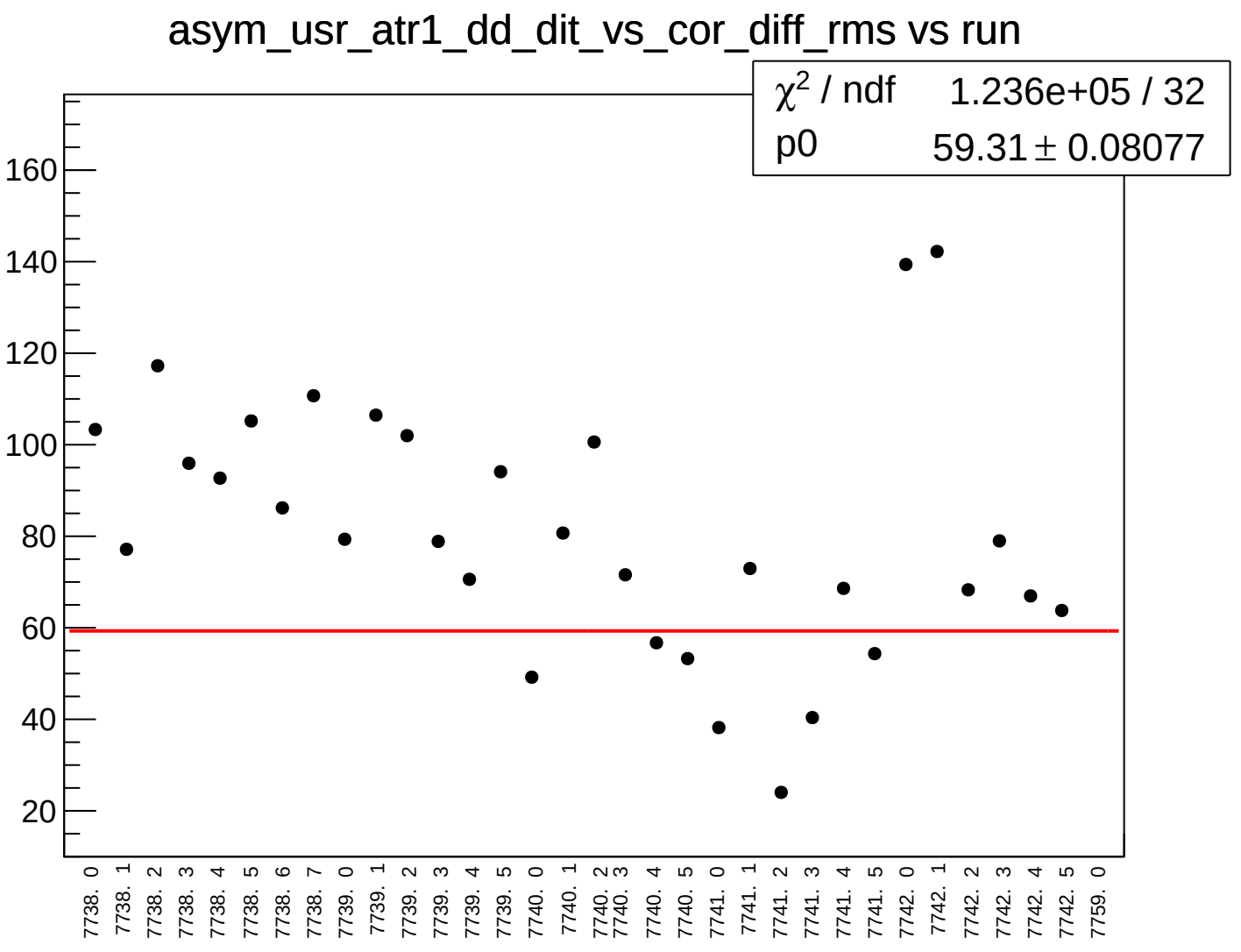

asym_usr_atr1_dd_rms vs run
χ² / ndf 2067 / 32
p0 2320 ± 2.854
2600
2500
2400
2300
2200
2100
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

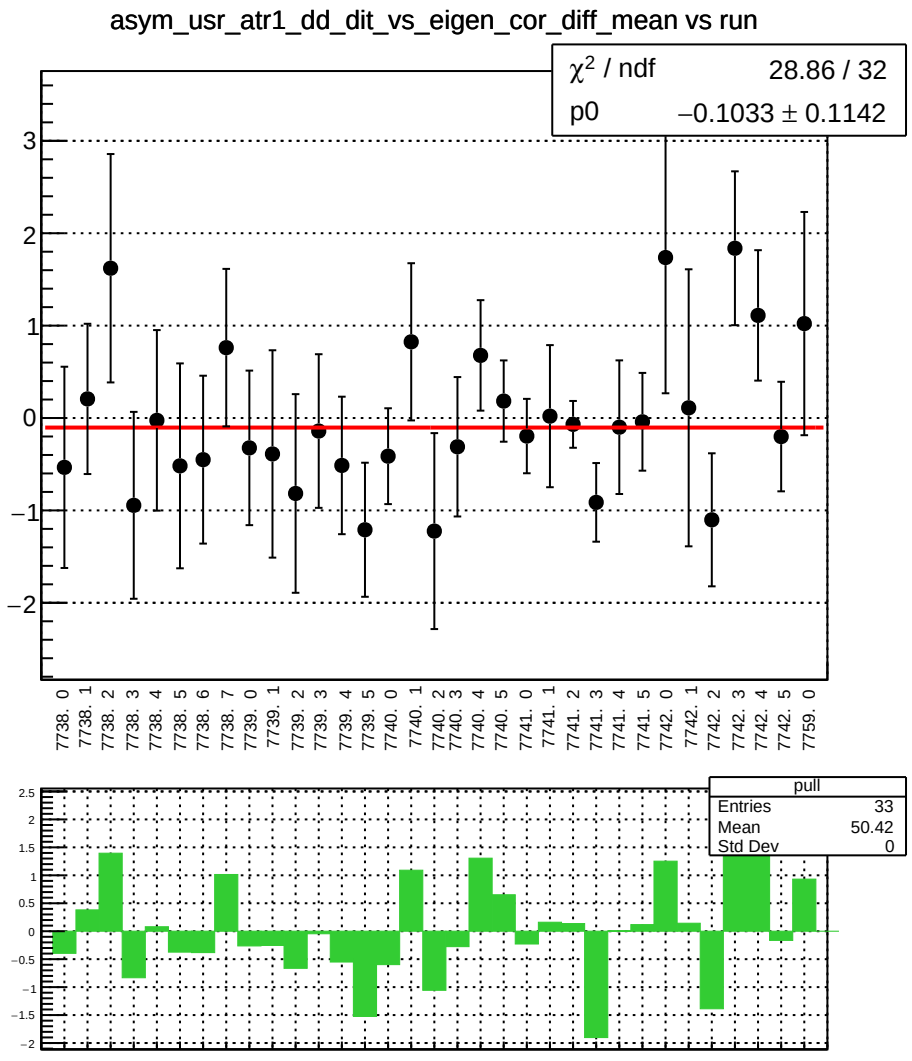

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 25.96 / 32
p0 2.604e−13 ± 2.572e−13
0.002
0
−0.002
−0.004
−0.006
−0.008
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.367
Std Dev 4.532
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

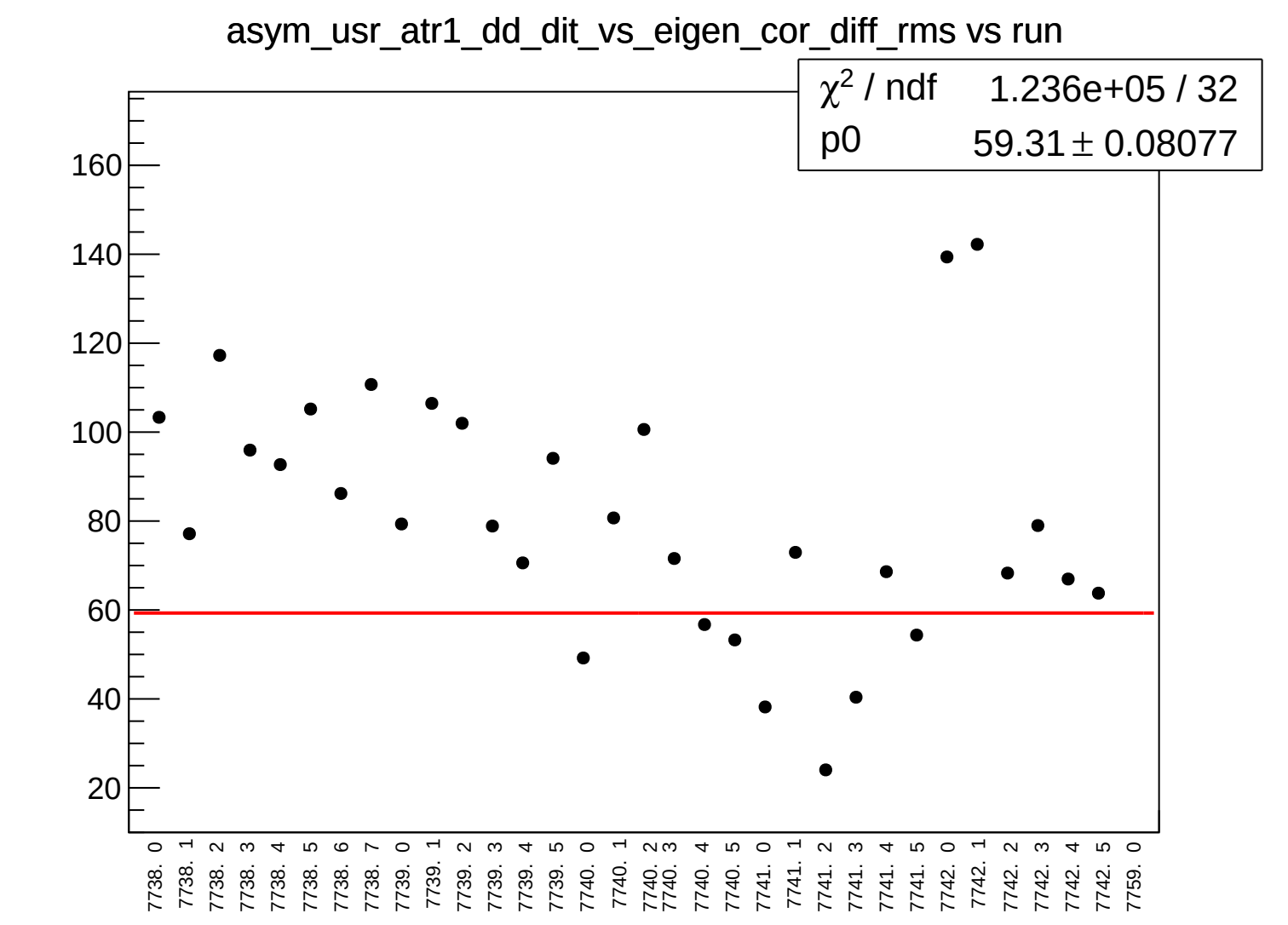

pull1D
Entries 33
Mean 0.1891
Std Dev 0.8666
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

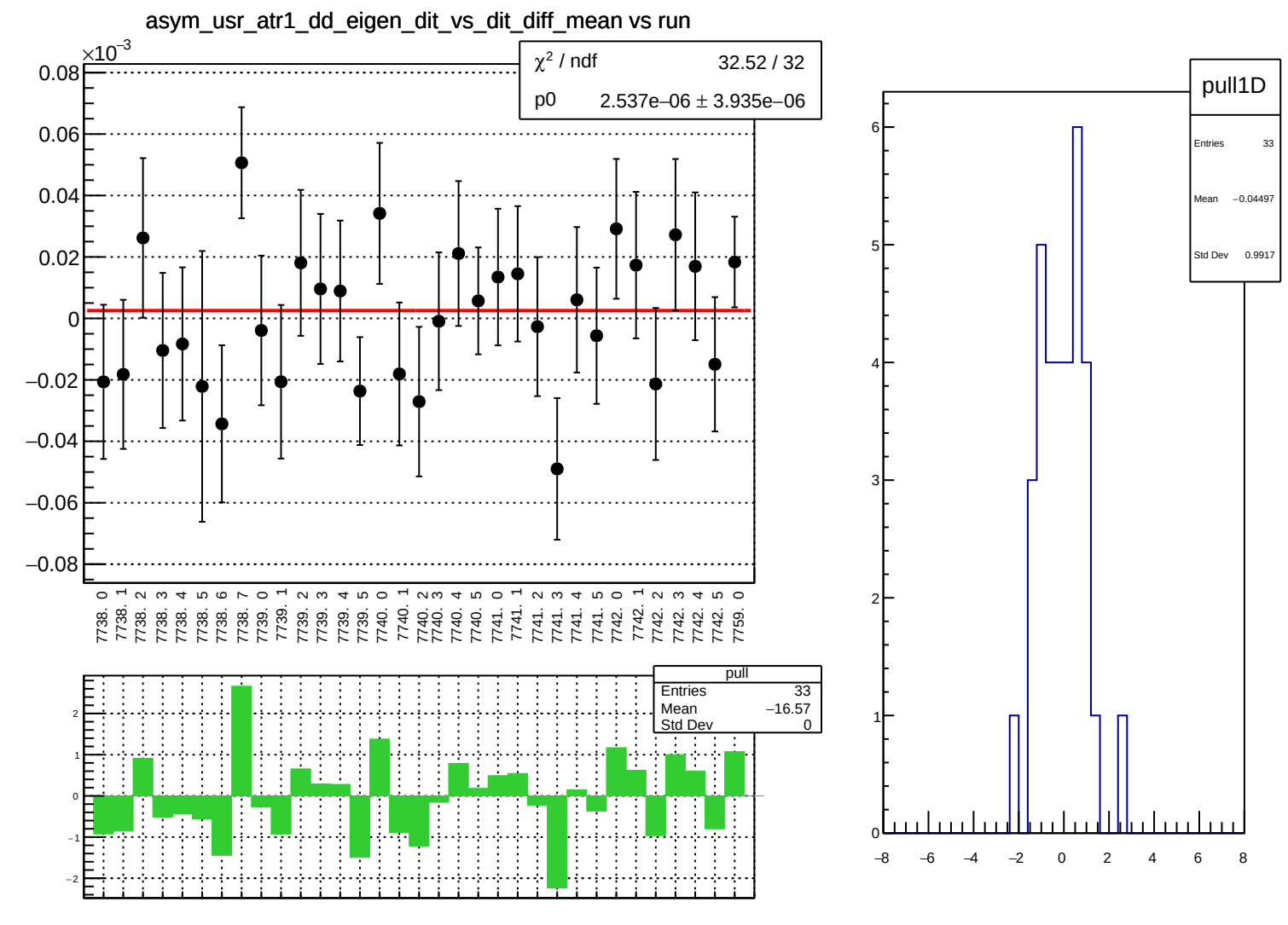

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.326e+05 / 32
p0 8.726e−11 ± 1.819e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

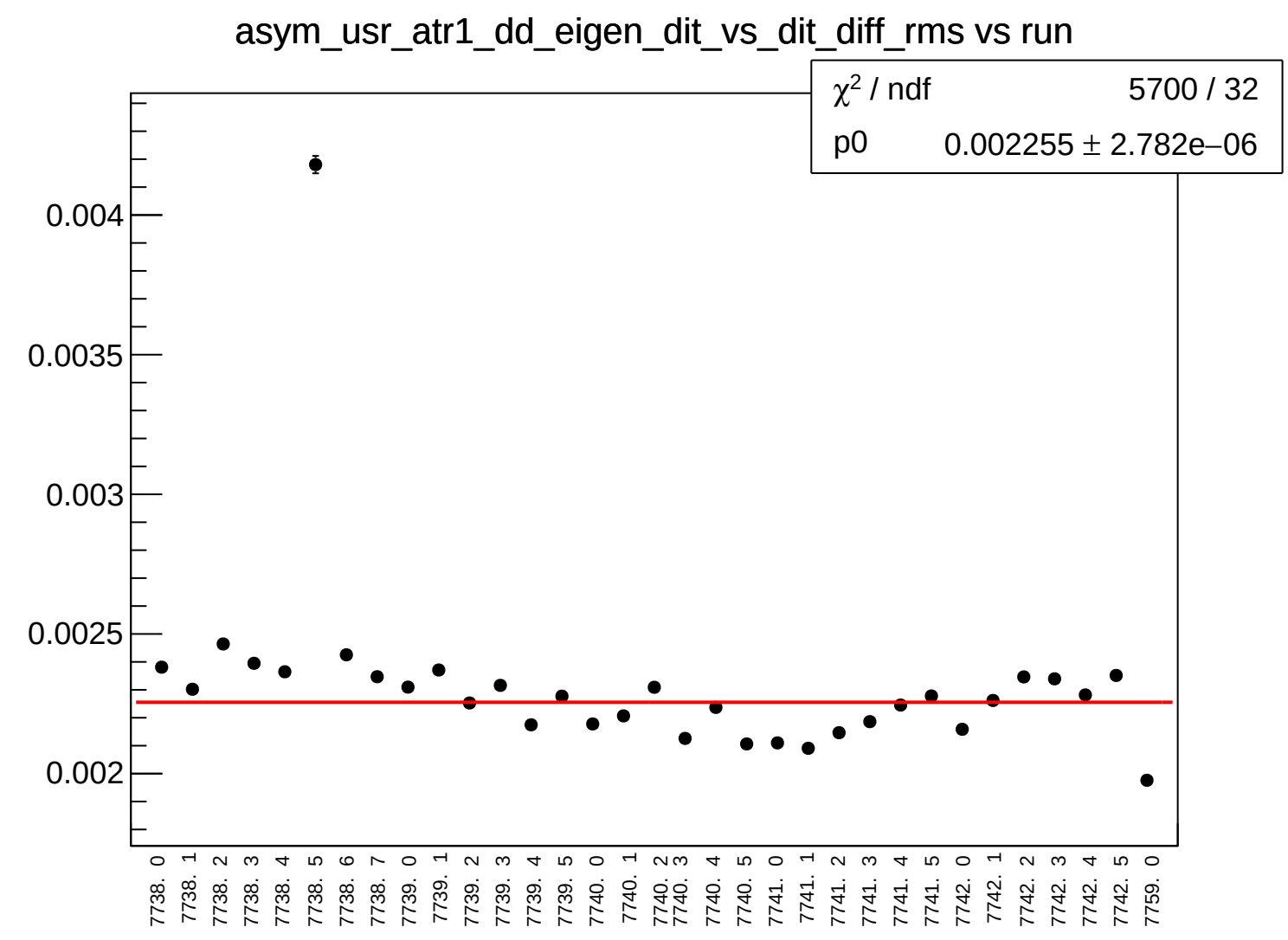

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 28.86 / 32
p0 −0.1033 ± 0.1142
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.05519
Std Dev 0.9336
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

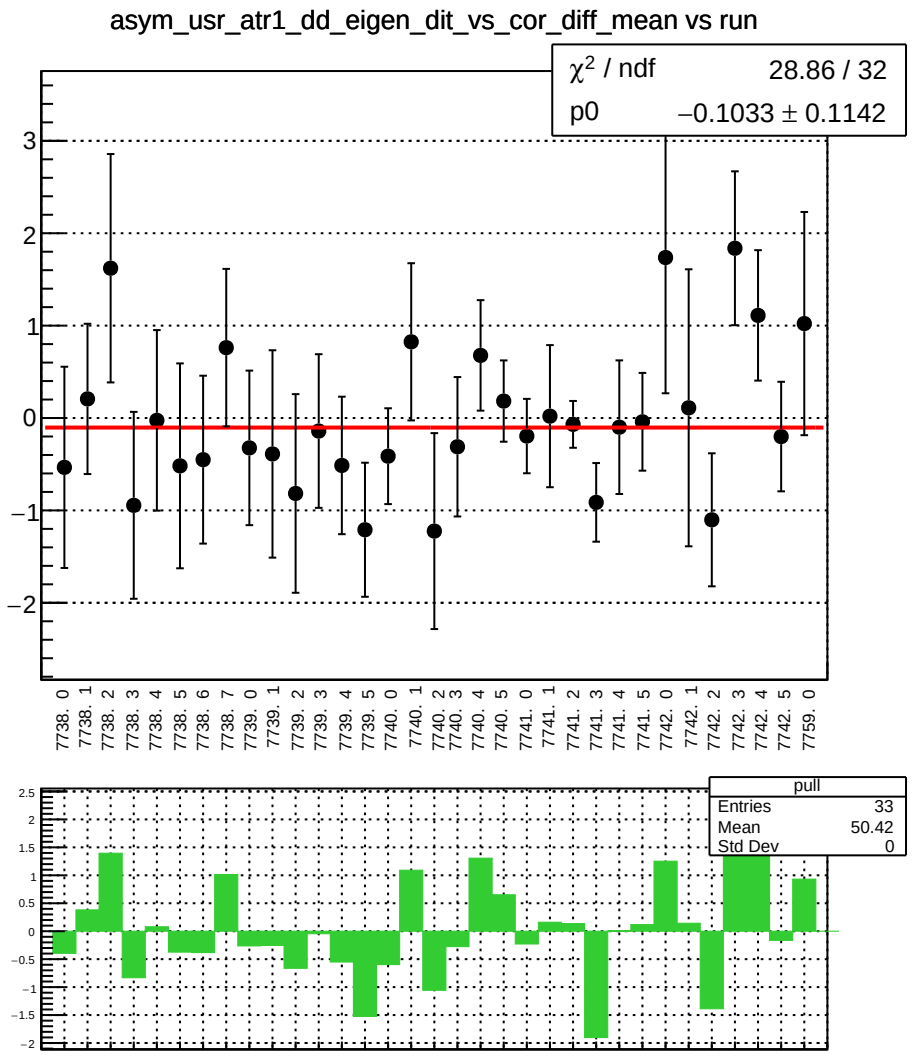

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.236e+05 / 32
p0 59.31 ± 0.08077
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

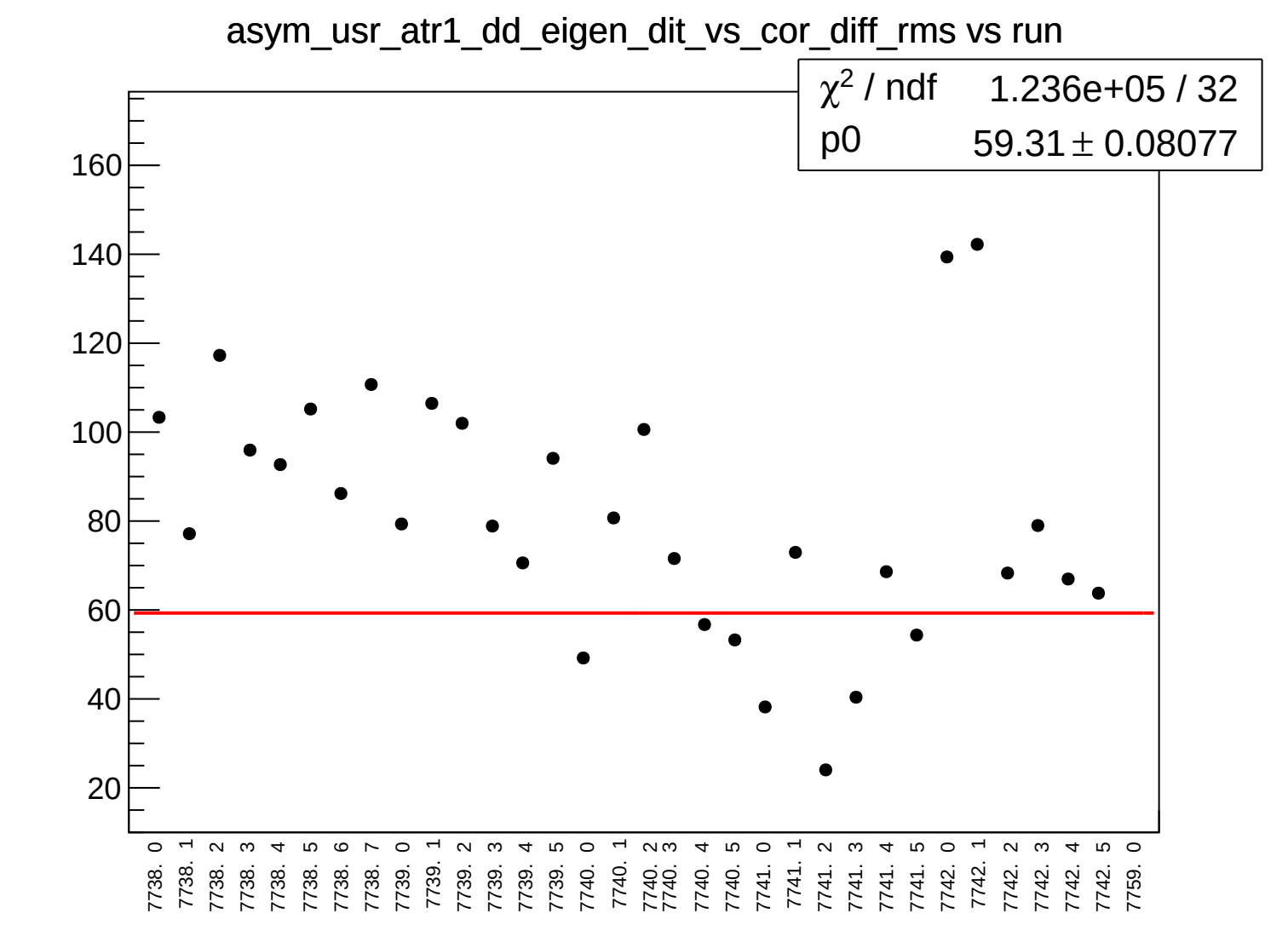

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.86 / 32
p0 −0.1033 ± 0.1142
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.05519
Std Dev 0.9336
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

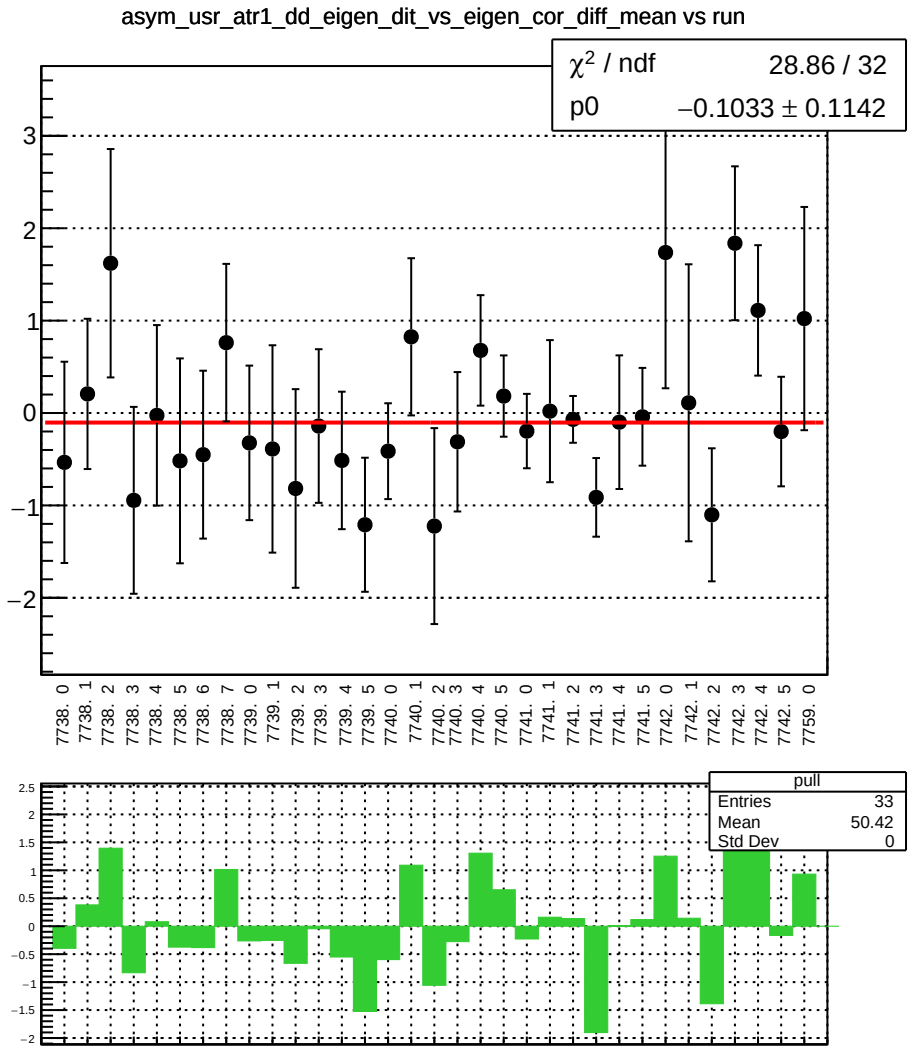

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.236e+05 / 32
p0 59.31 ± 0.08077
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

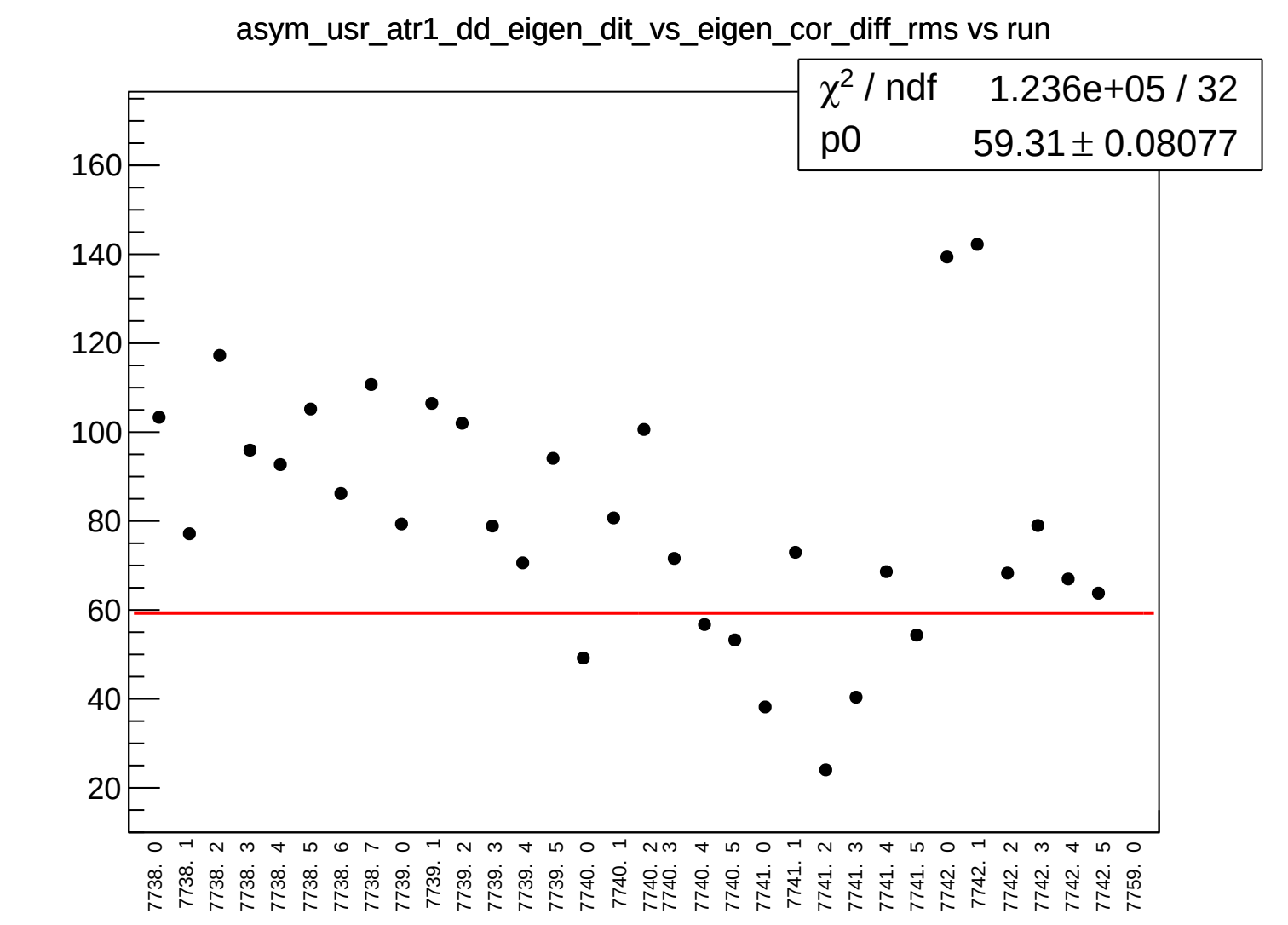

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.52 / 32
p0 2.537e−06 ± 3.935e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.57
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.04497
Std Dev 0.9917
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

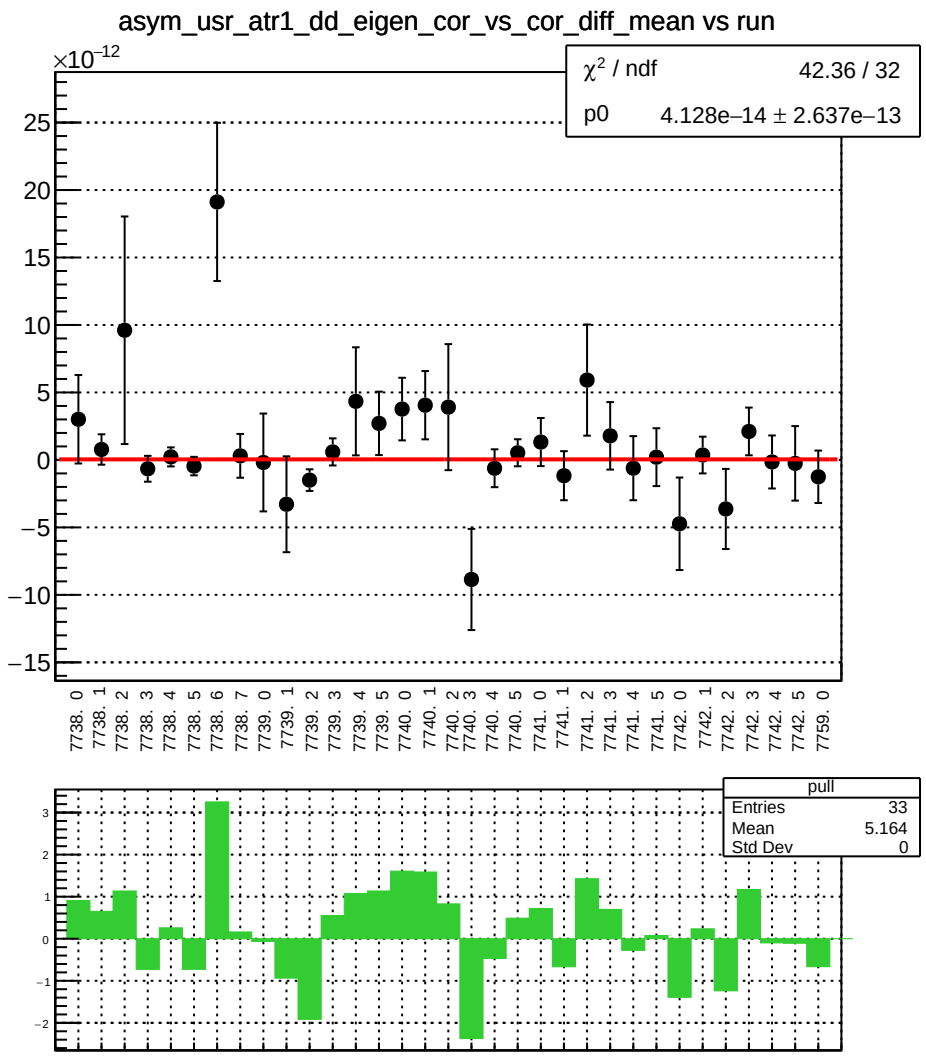

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5700 / 32
p0 0.002255 ± 2.782e−06
0.004
0.0035
0.003
0.0025
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

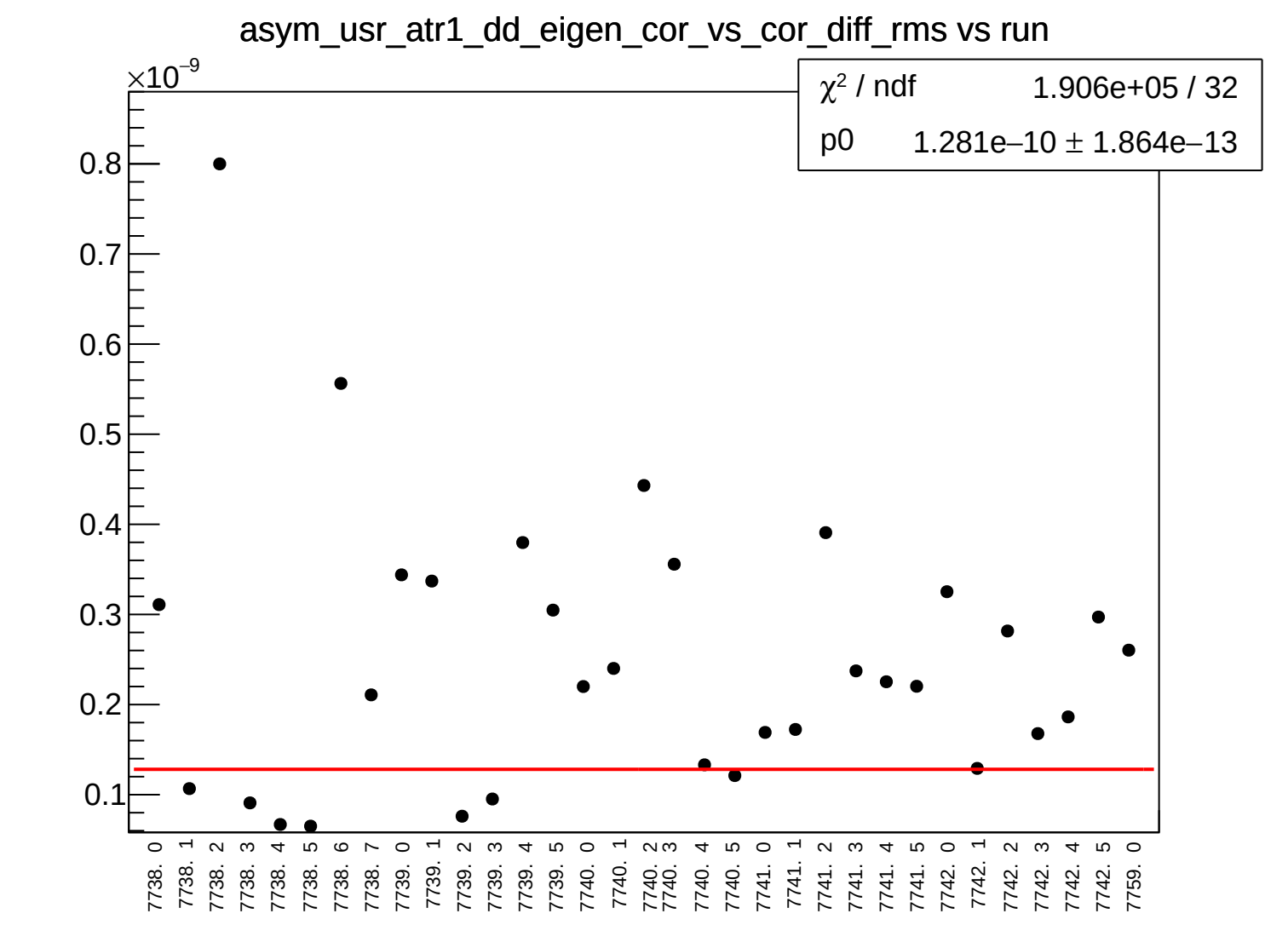

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.86 / 32
p0 −0.1033 ± 0.1142
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.05519
Std Dev 0.9336
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

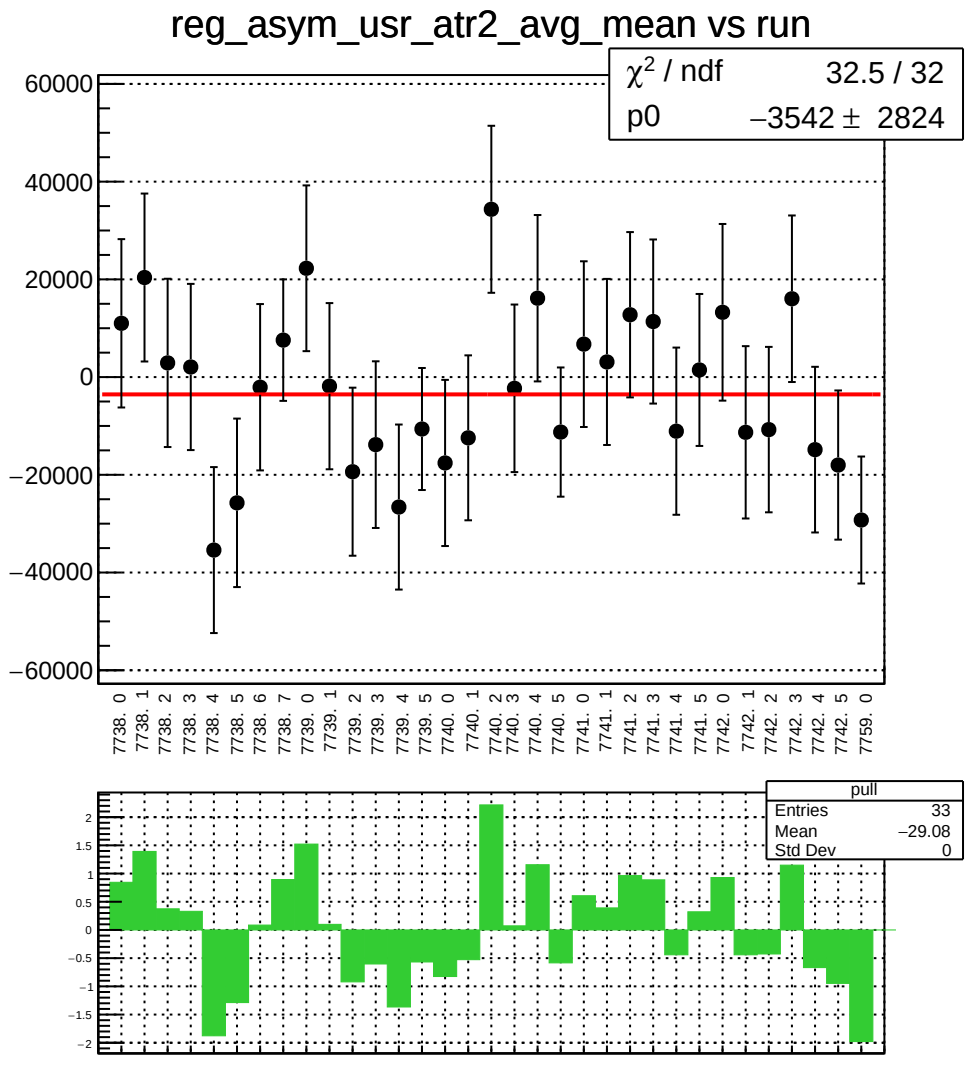

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.236e+05 / 32
p0 59.31 ± 0.08077
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

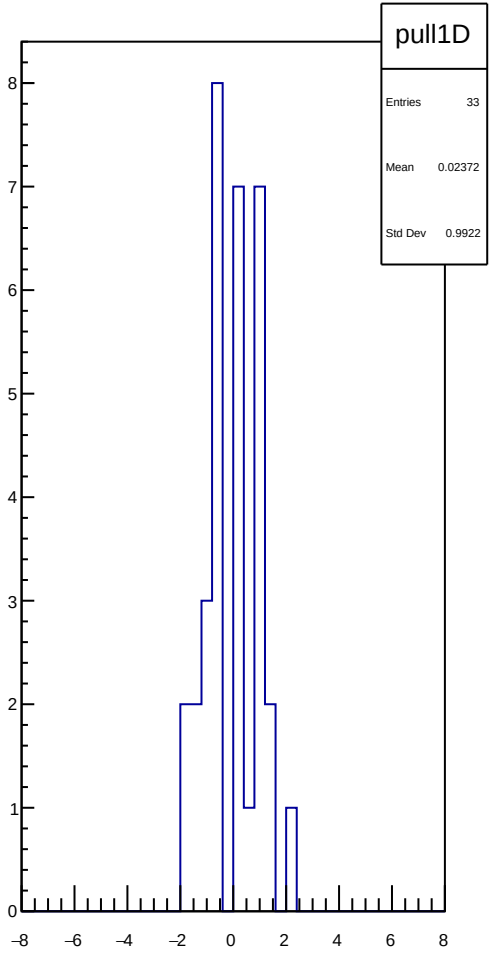

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.86 / 32
p0 −0.1033 ± 0.1142
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.05519
Std Dev 0.9336
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

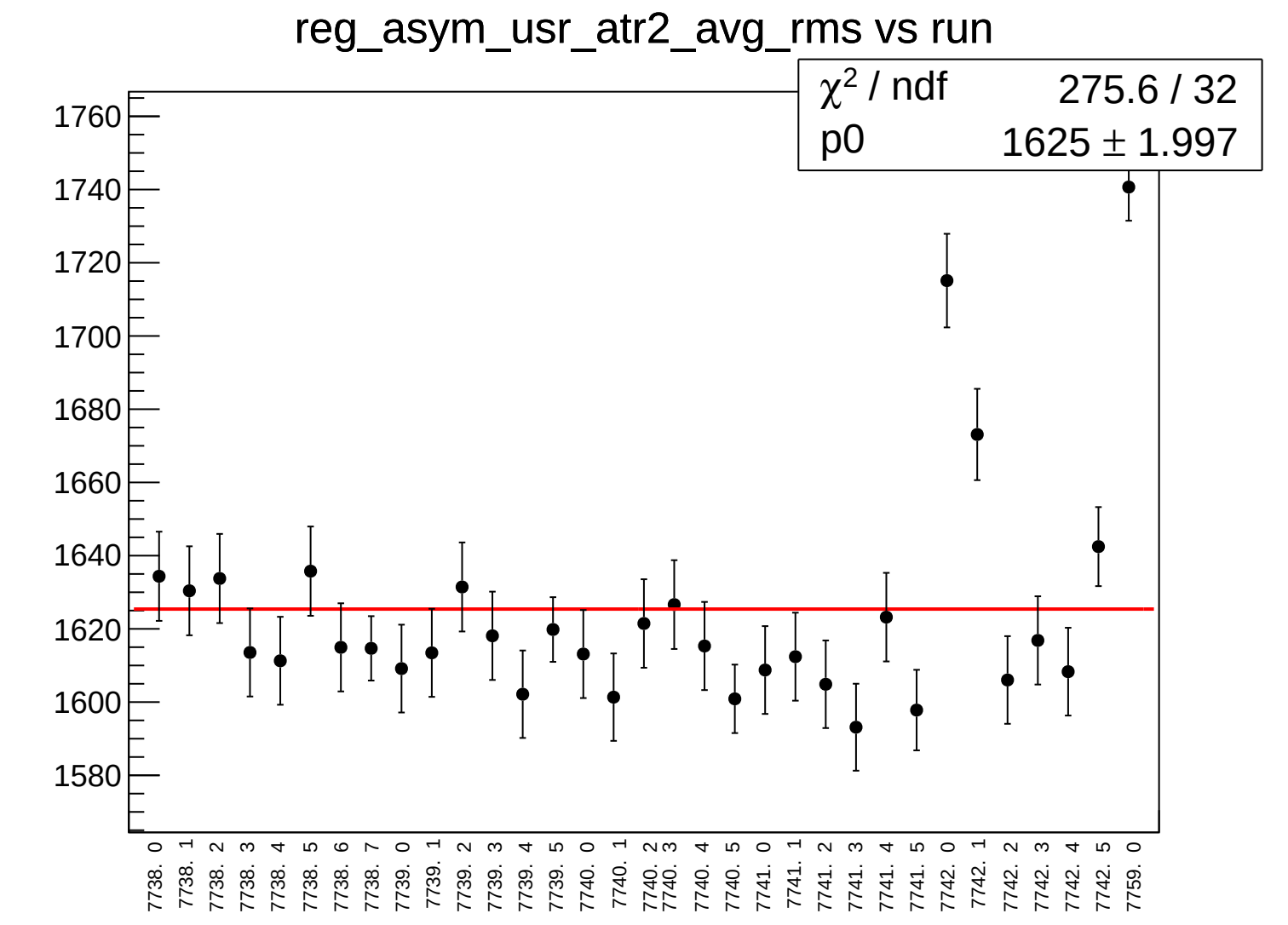

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.236e+05 / 32
p0 59.31 ± 0.08077
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

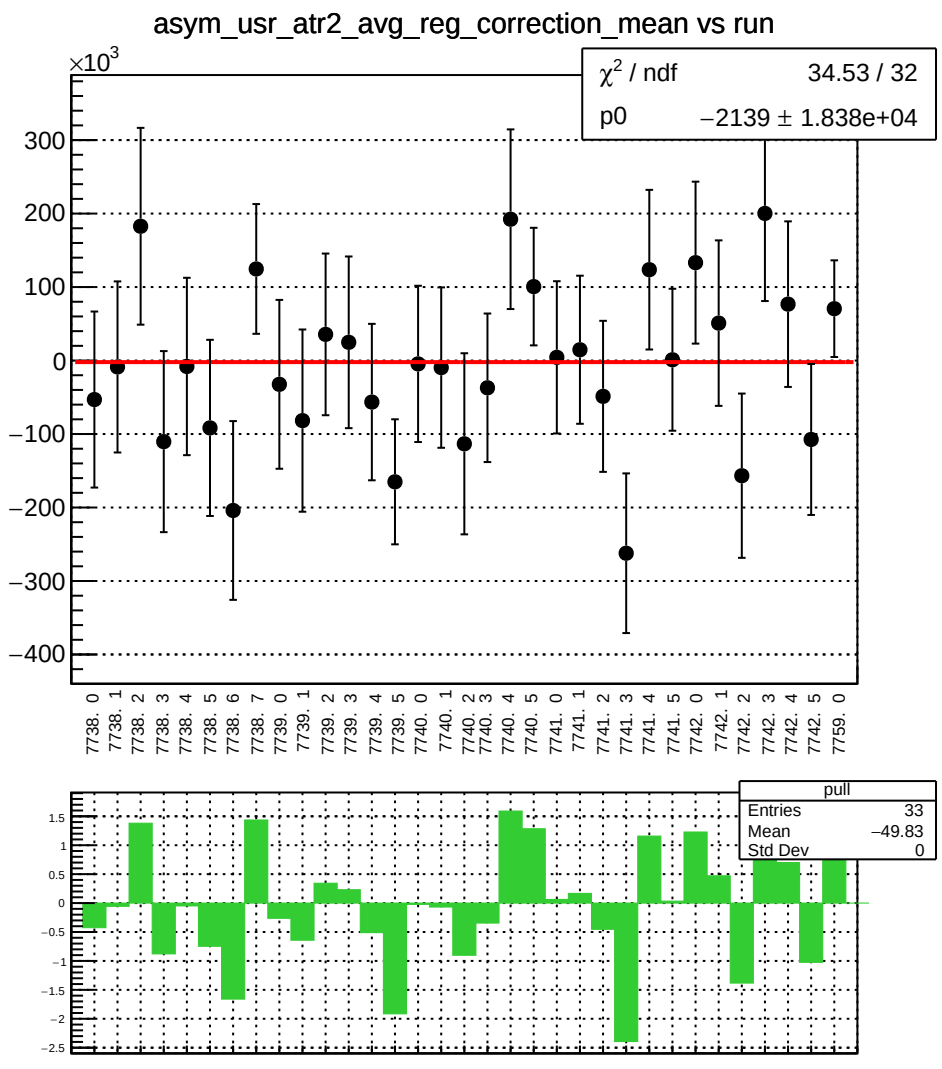

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.36 / 32
p0 4.128e−14 ± 2.637e−13
25
20
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.164
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.191
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

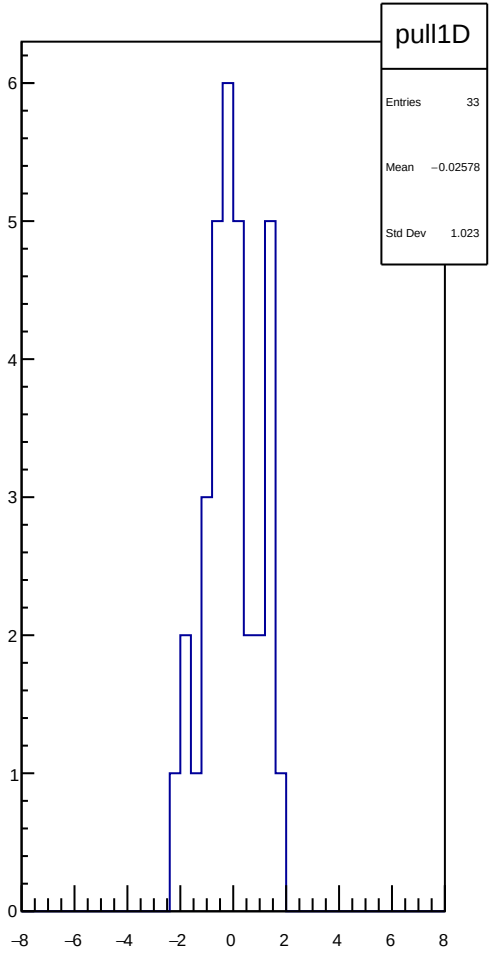

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.906e+05 / 32
p0 1.281e−10 ± 1.864e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

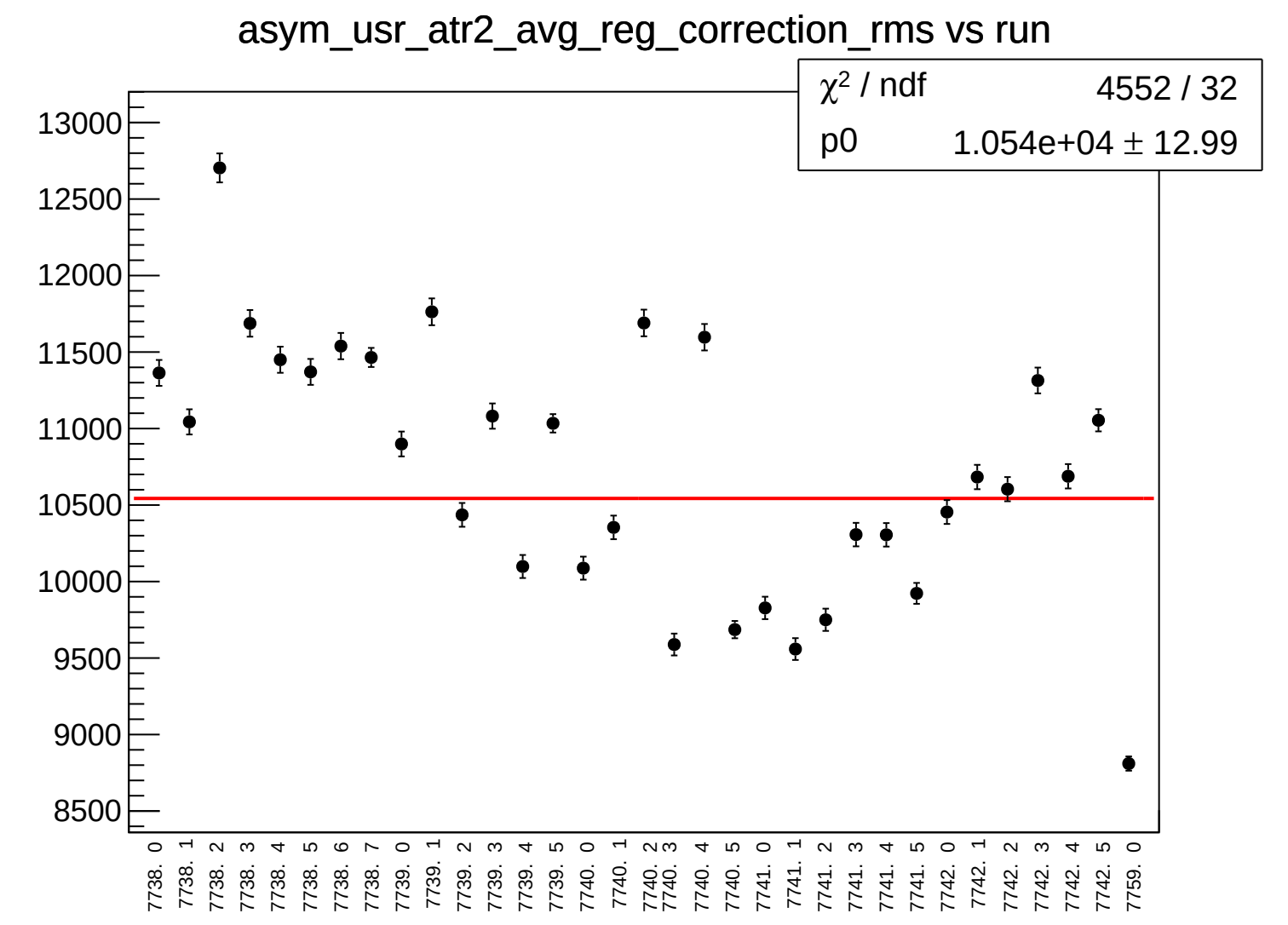

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 32.5 / 32
p0 −3542 ± 2824
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

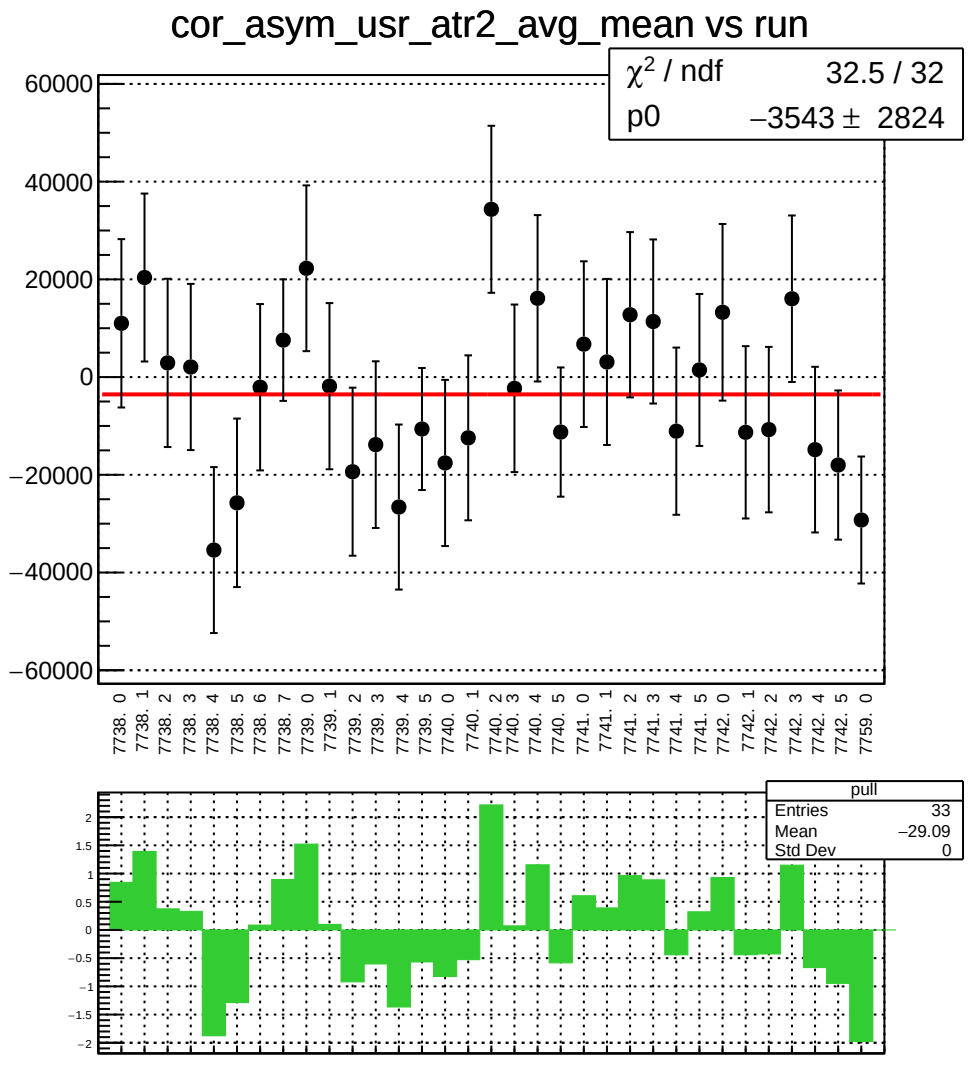

pull1D
Entries 33
Mean 0.02372
Std Dev 0.9922
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

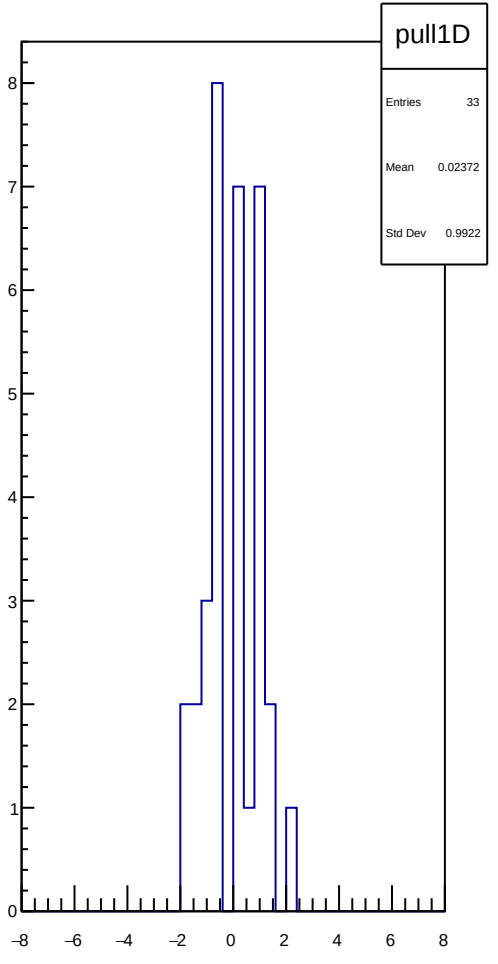

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 275.6 / 32
p0 1625 ± 1.997
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

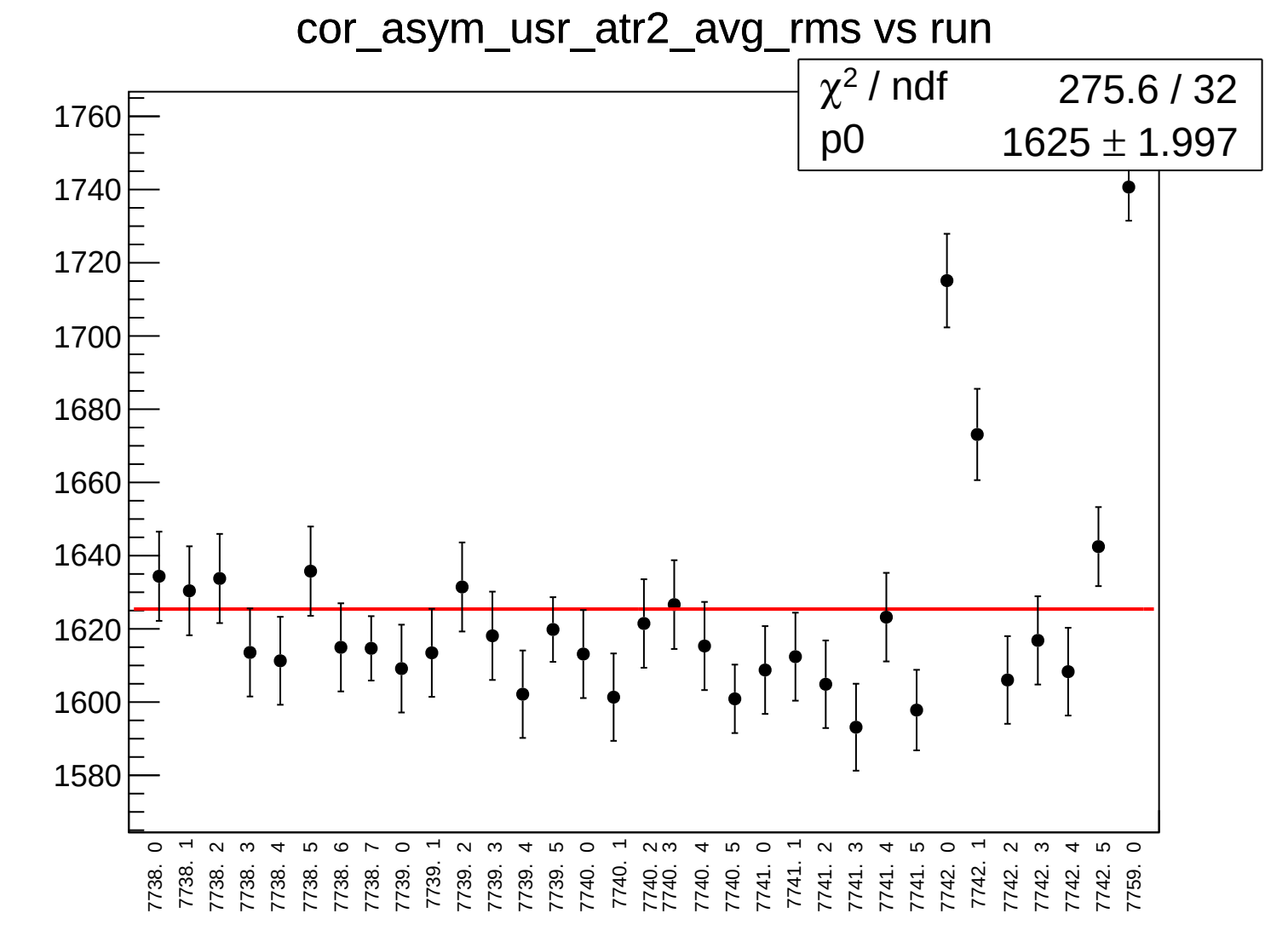

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.53 / 32
p0 −2139 ± 1.838e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −49.83
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

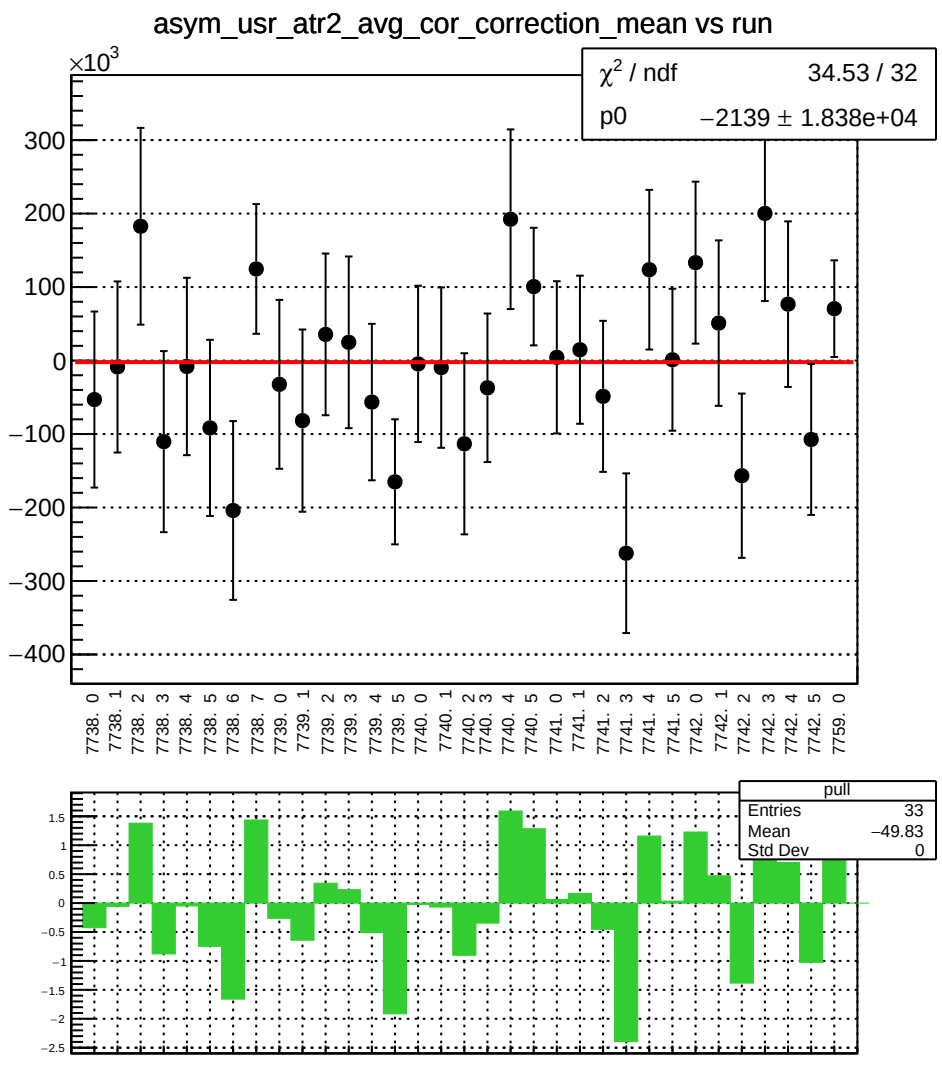

pull1D
Entries 33
Mean −0.02578
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

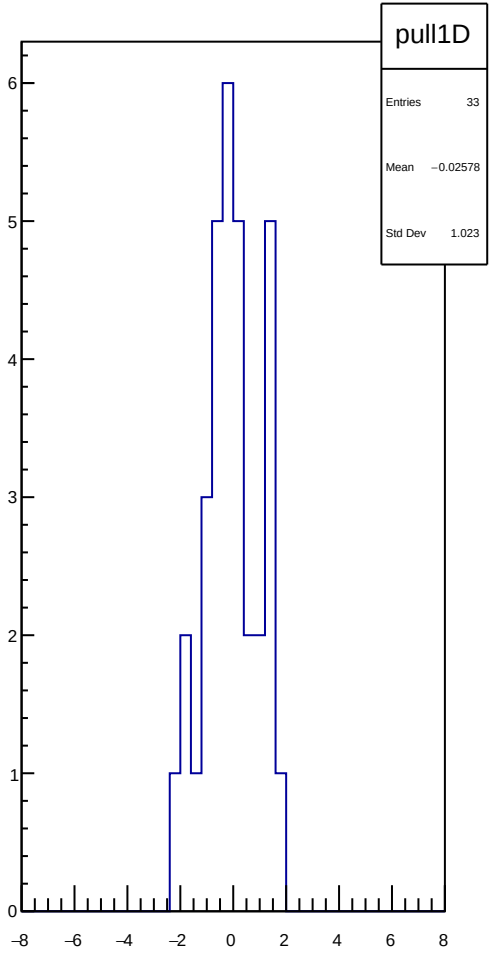

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 4552 / 32
p0 1.054e+04 ± 12.99
13000
12500
12000
11500
11000
10500
10000
9500
9000
8500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

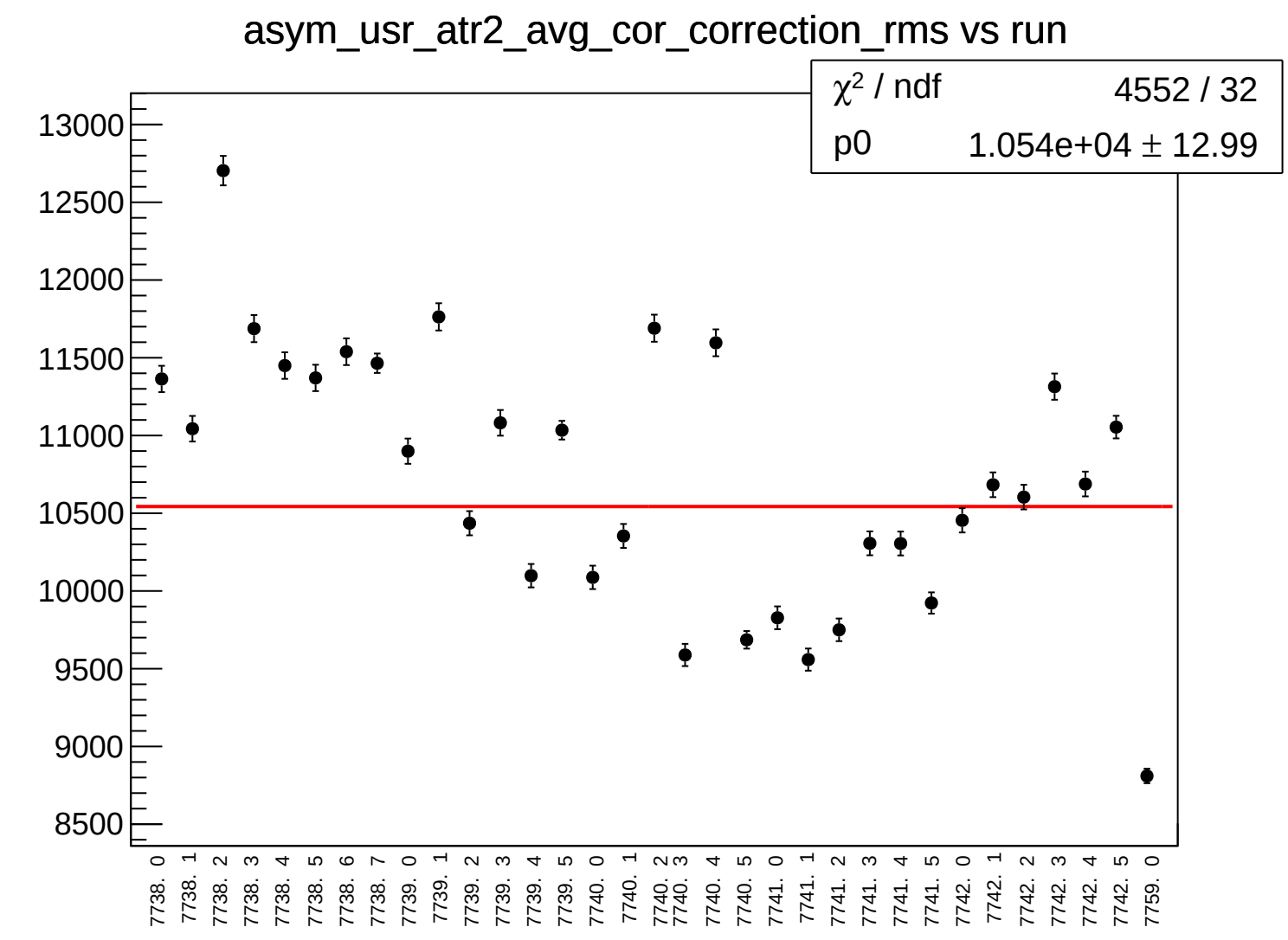

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 32.5 / 32
p0 −3543 ± 2824
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

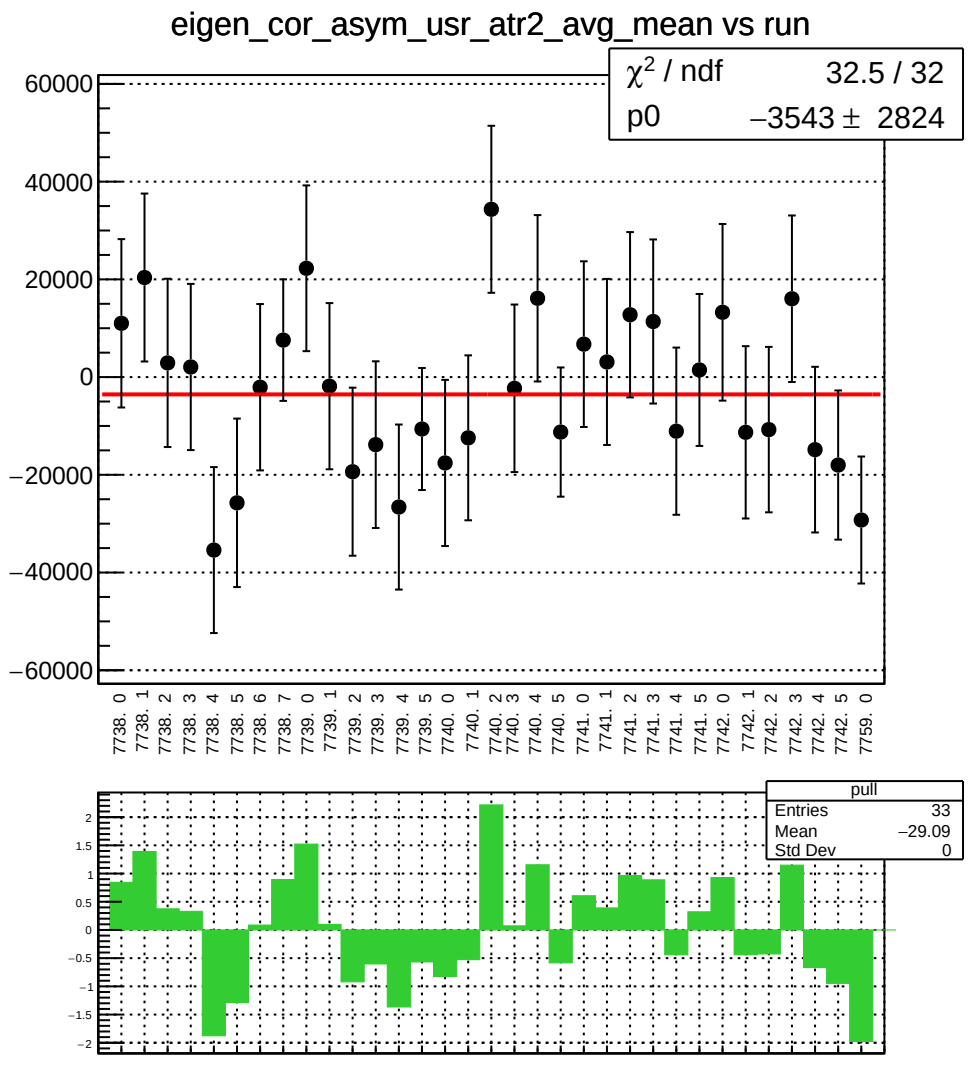

pull1D
Entries 33
Mean 0.02372
Std Dev 0.9922
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

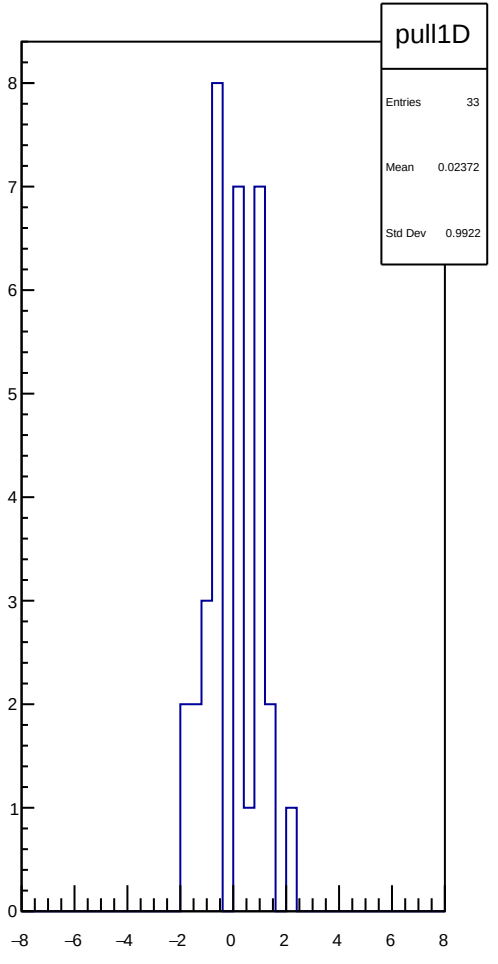

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 275.6 / 32
p0 1625 ± 1.997
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

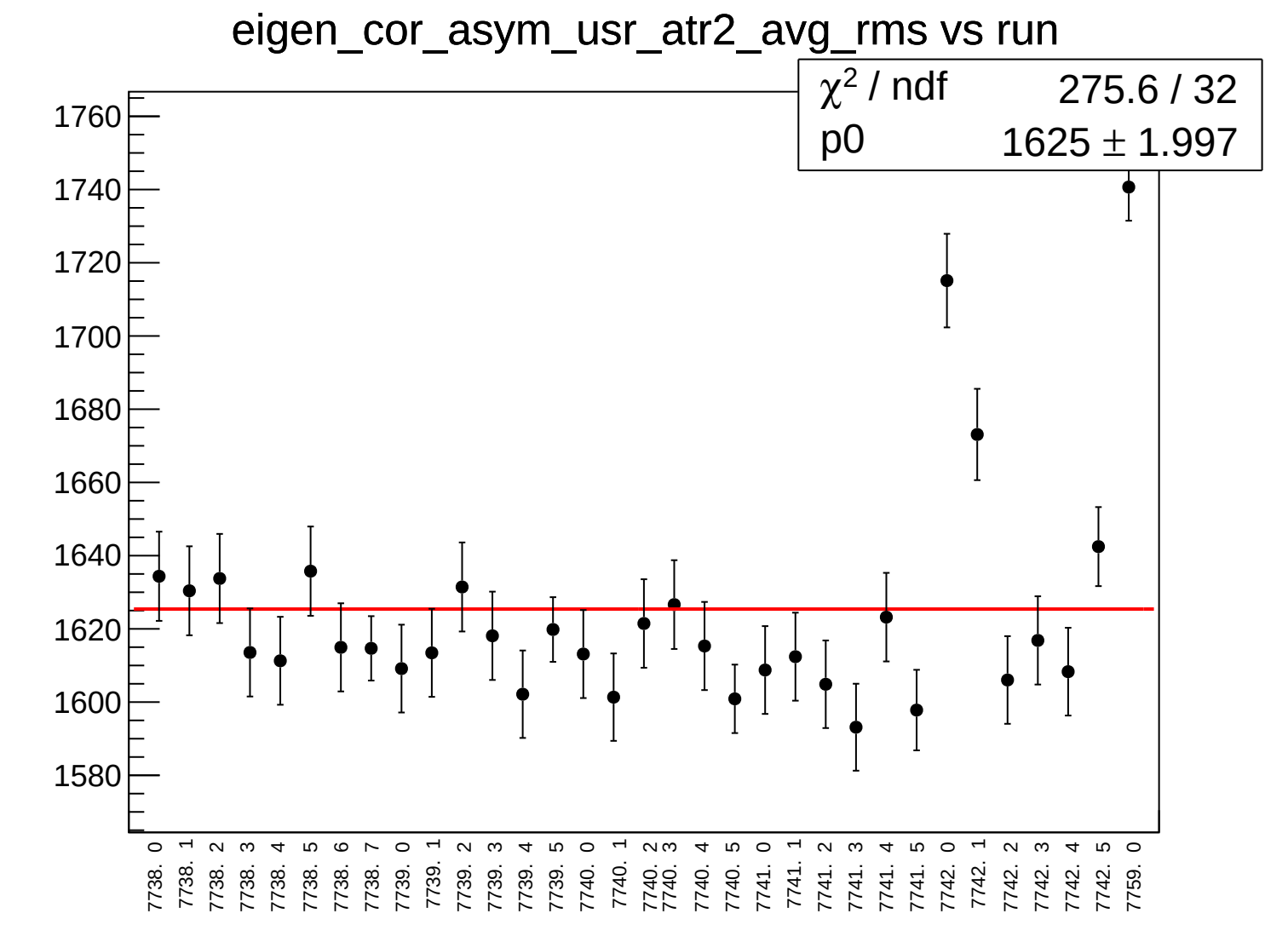

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.53 / 32
p0 −2139 ± 1.838e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −49.83
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

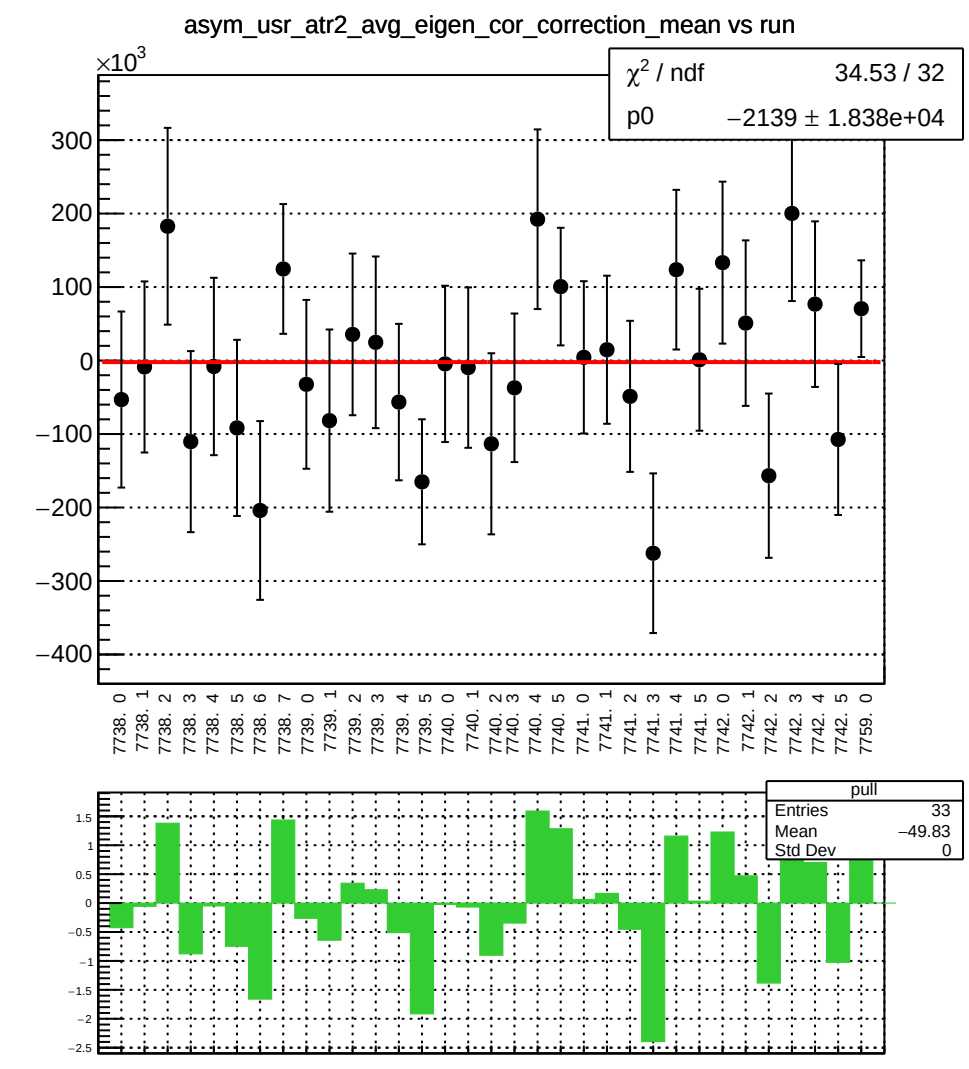

pull1D
Entries 33
Mean −0.02578
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

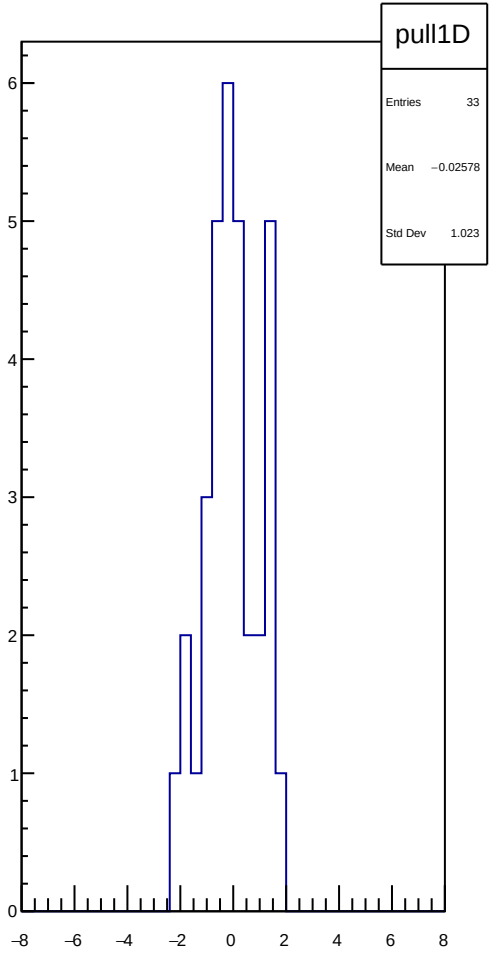

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 4552 / 32
p0 1.054e+04 ± 12.99
13000
12500
12000
11500
11000
10500
10000
9500
9000
8500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

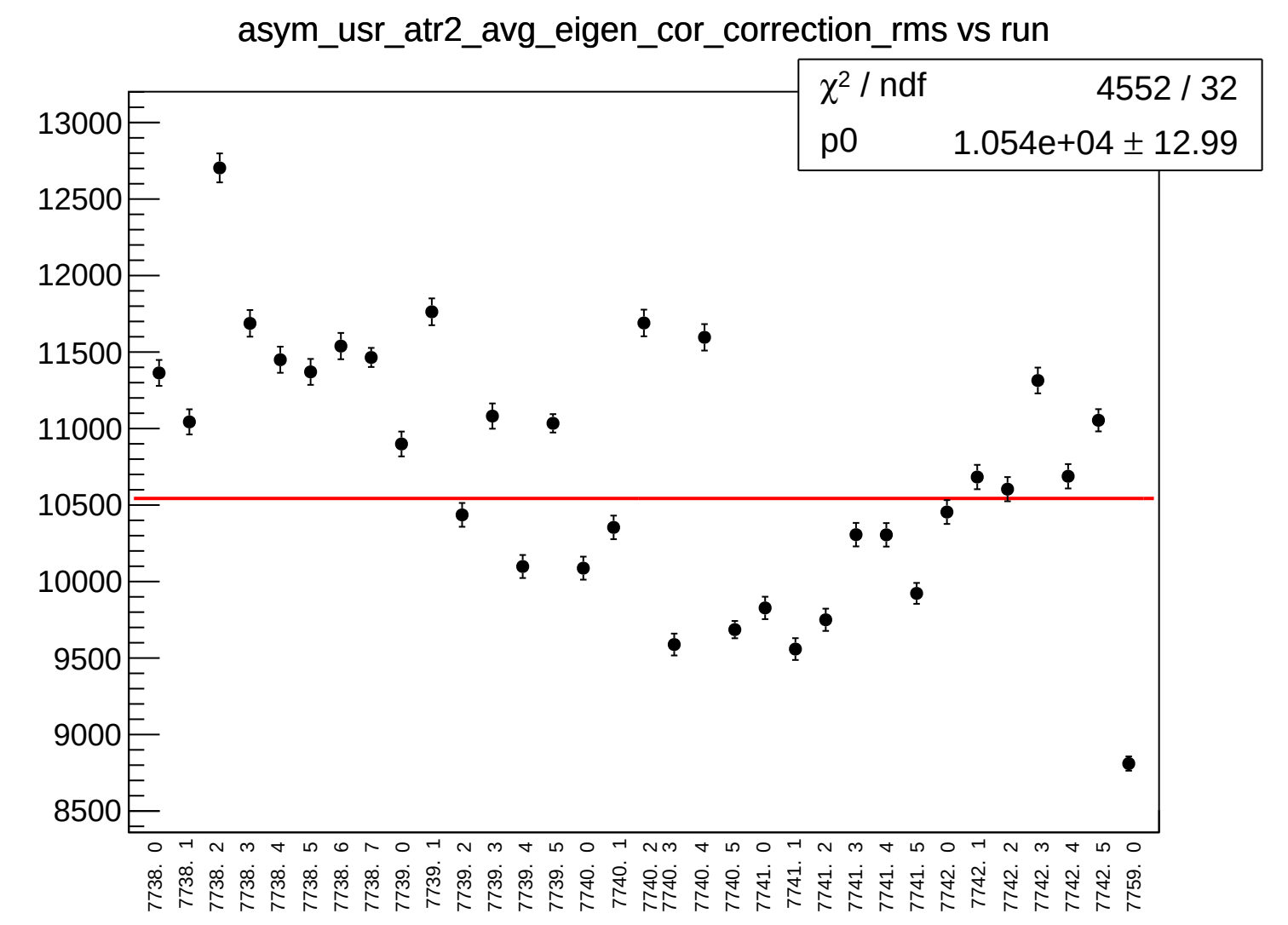

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 32.5 / 32
p0 −3543 ± 2824
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

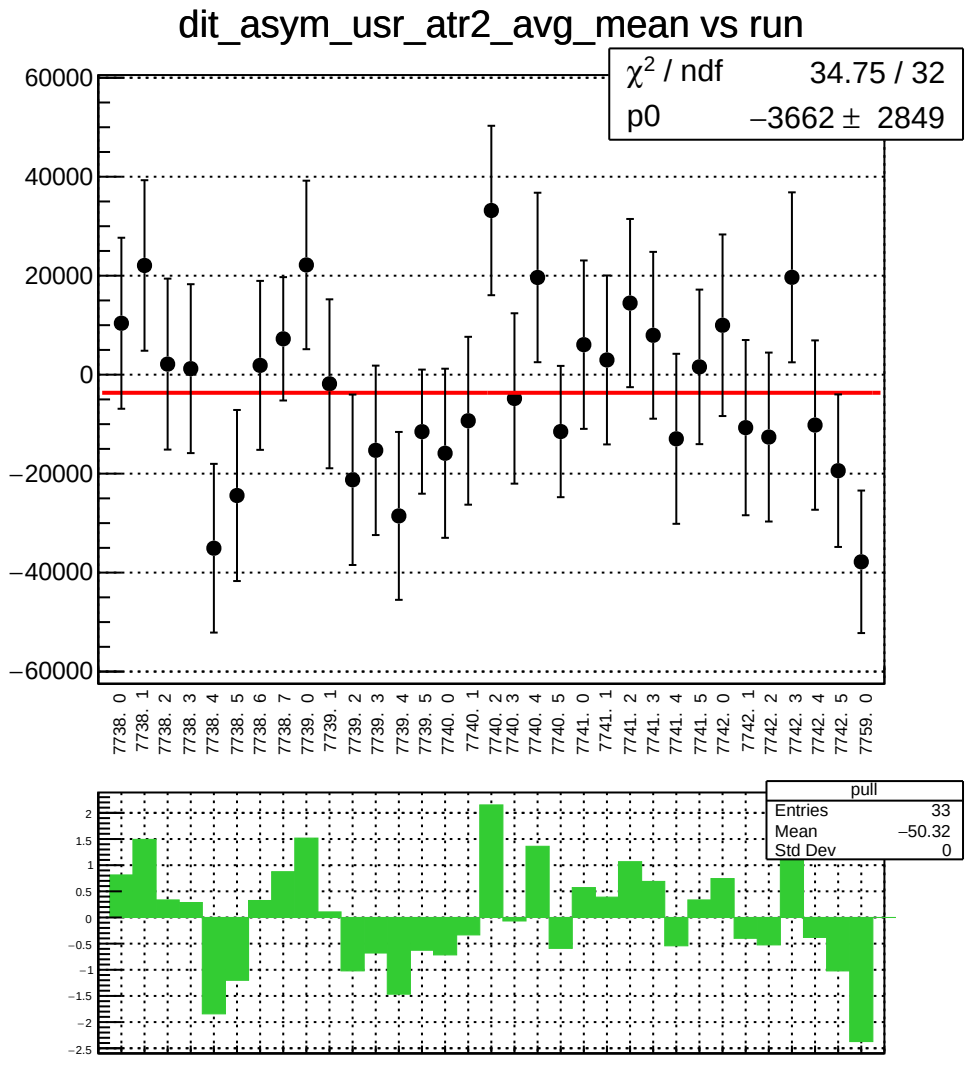

pull1D
Entries 33
Mean 0.02372
Std Dev 0.9922
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

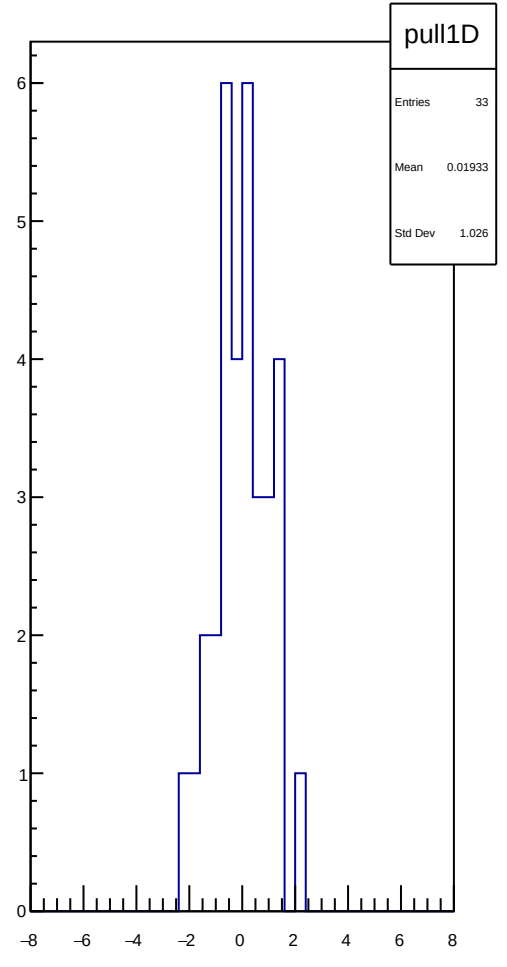

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 275.6 / 32
p0 1625 ± 1.997
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

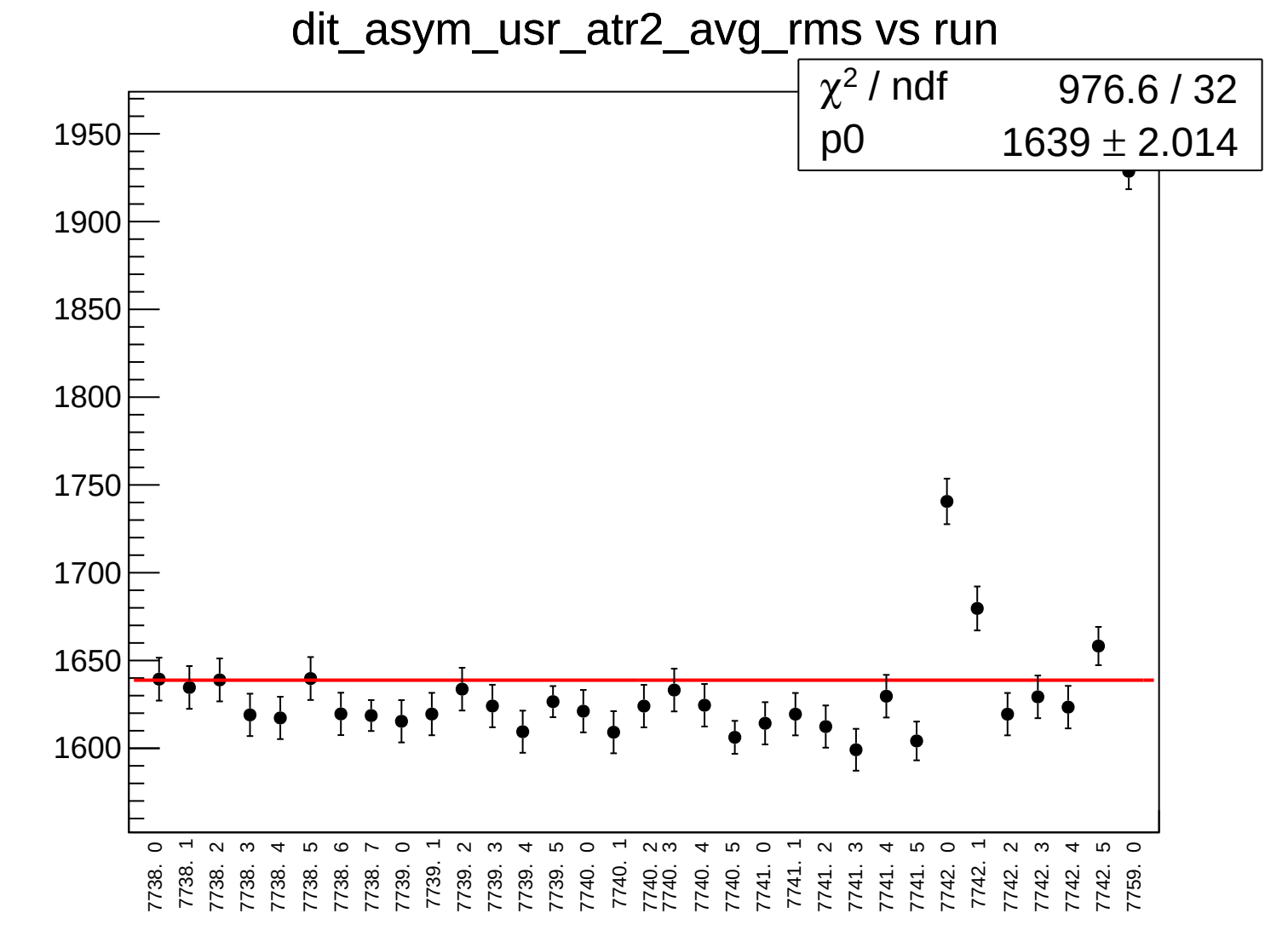

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.53 / 32
p0 −2139 ± 1.838e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −49.83
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

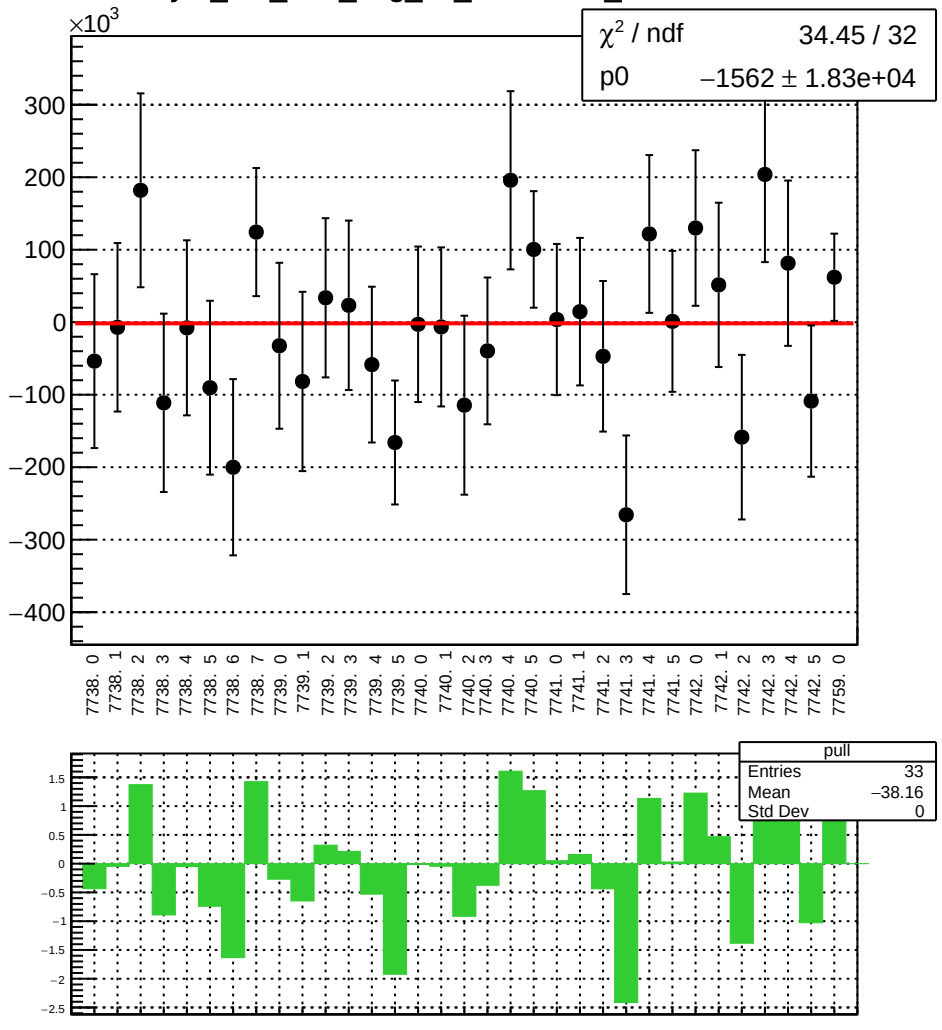

pull1D
Entries 33
Mean −0.02578
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

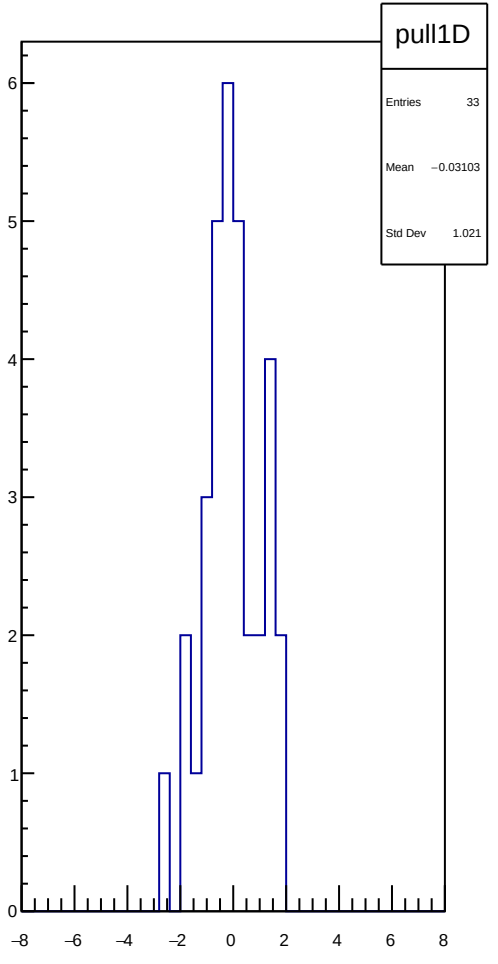

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4552 / 32
p0 1.054e+04 ± 12.99
13000
12500
12000
11500
11000
10500
10000
9500
9000
8500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

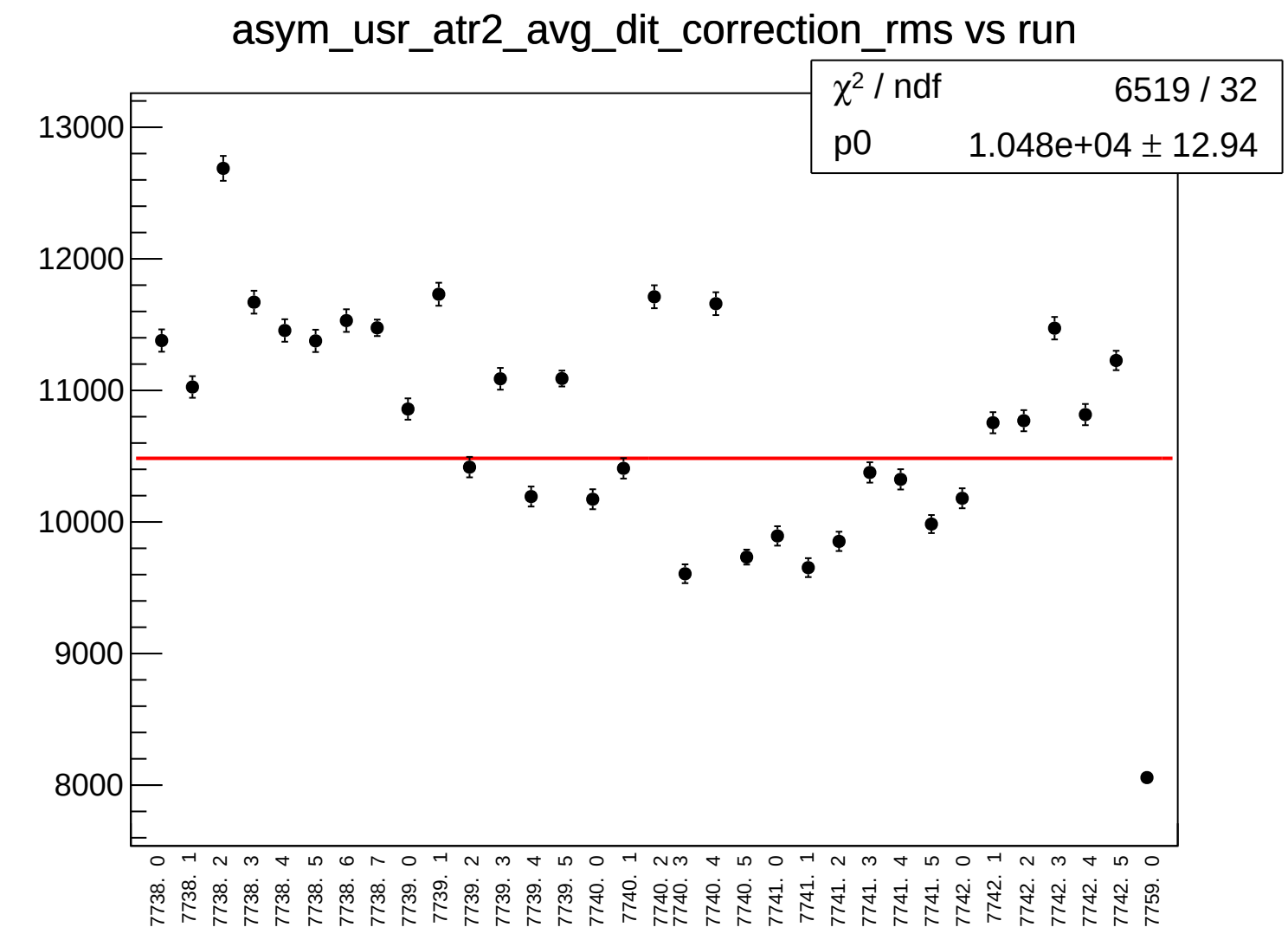

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 34.75 / 32
p0 −3662 ± 2849
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

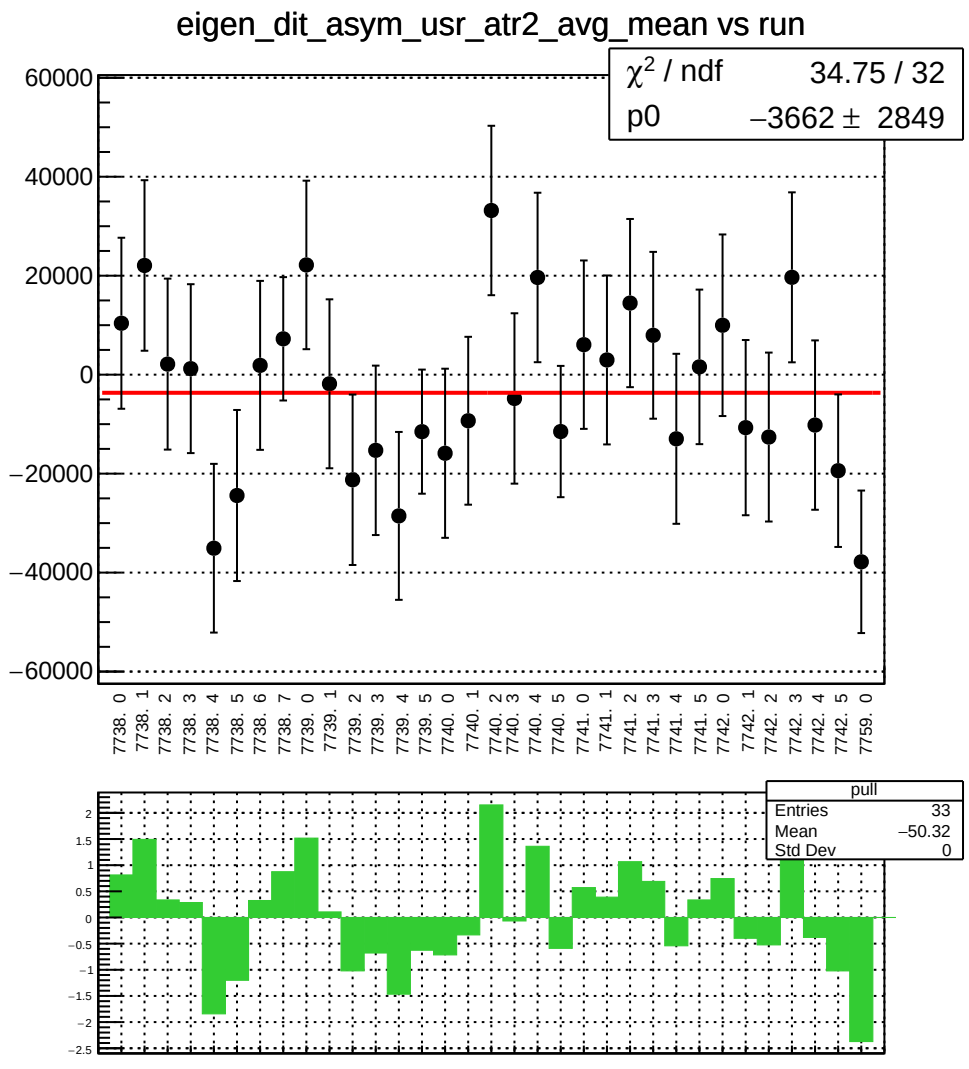

pull1D
Entries 33
Mean 0.01933
Std Dev 1.026
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

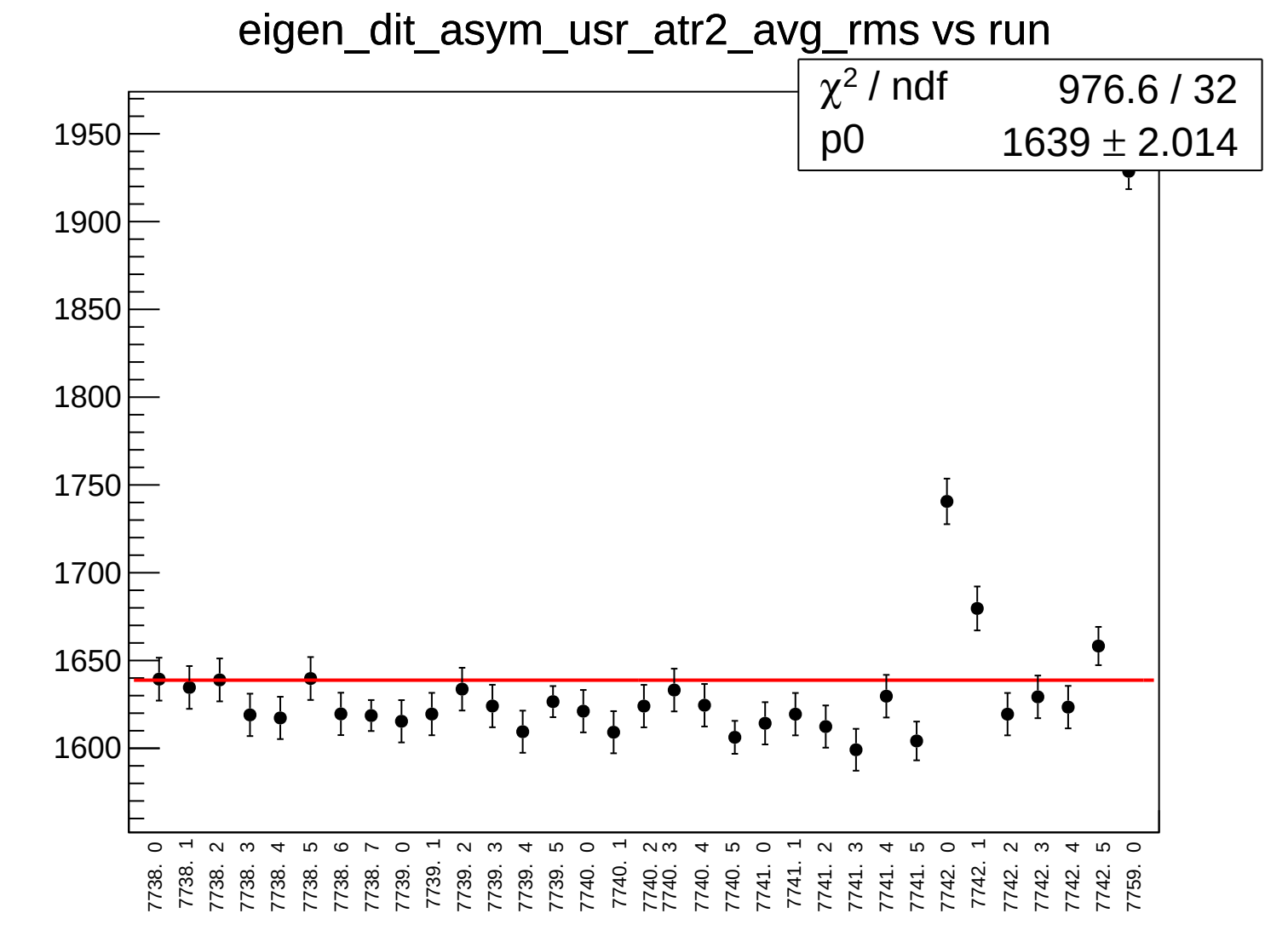

dit_asym_usr_atr2_avg_rms vs run
χ^2 / ndf 976.6 / 32
p0 1639 ± 2.014
1950
1900
1850
1800
1750
1700
1650
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

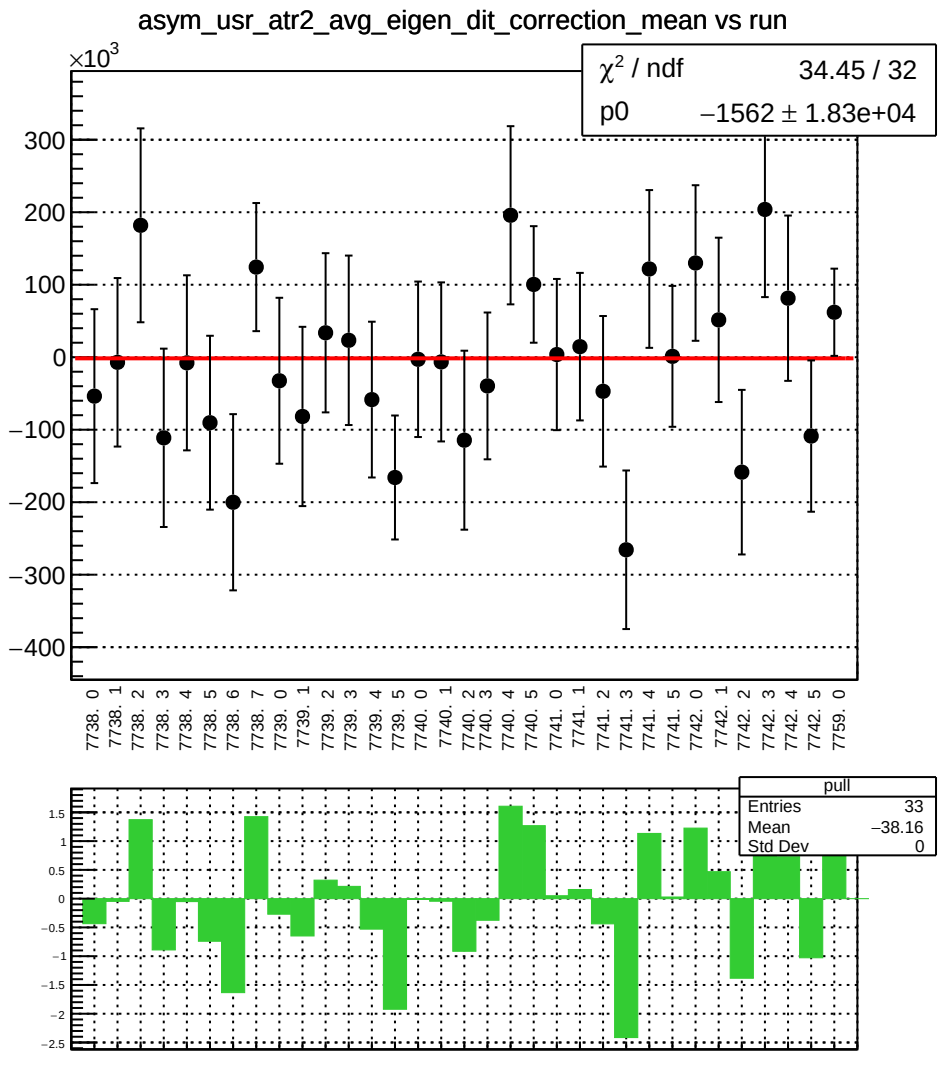

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.45 / 32
p0 −1562 ± 1.83e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.16
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

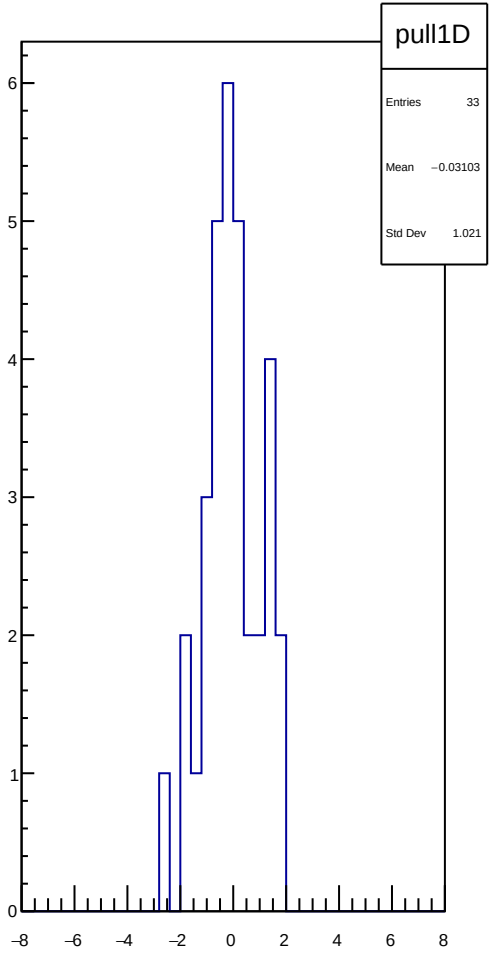

pull1D
Entries 33
Mean −0.03103
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

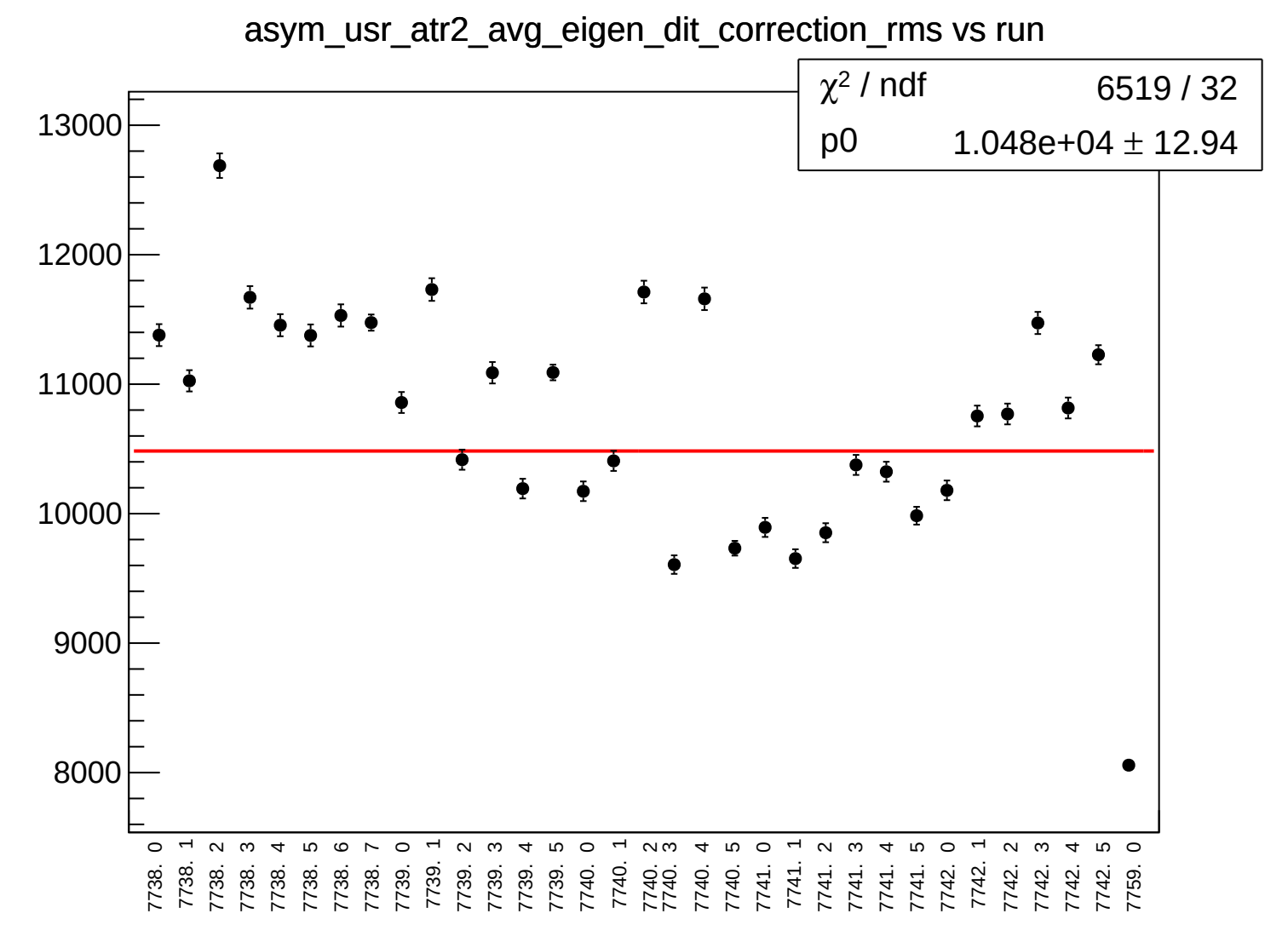

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 6519 / 32
p0 1.048e+04 ± 12.94
13000
12000
11000
10000
9000
8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

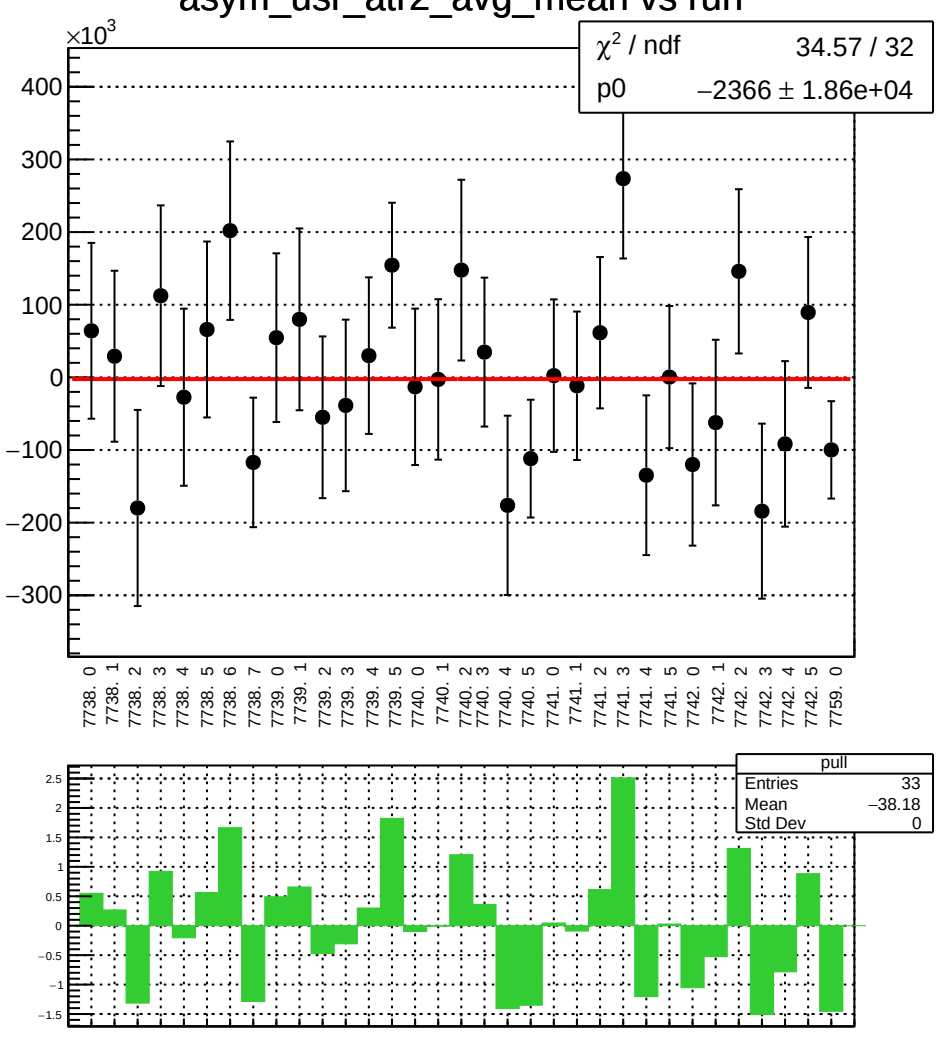

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 34.75 / 32
p0 −3662 ± 2849
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01933
Std Dev 1.026
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

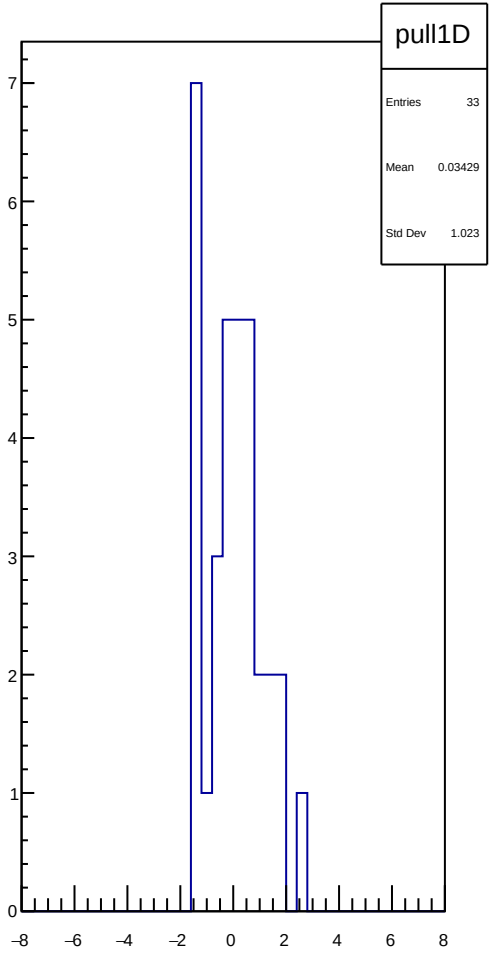

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 976.6 / 32
p0 1639 ± 2.014
1950
1900
1850
1800
1750
1700
1650
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

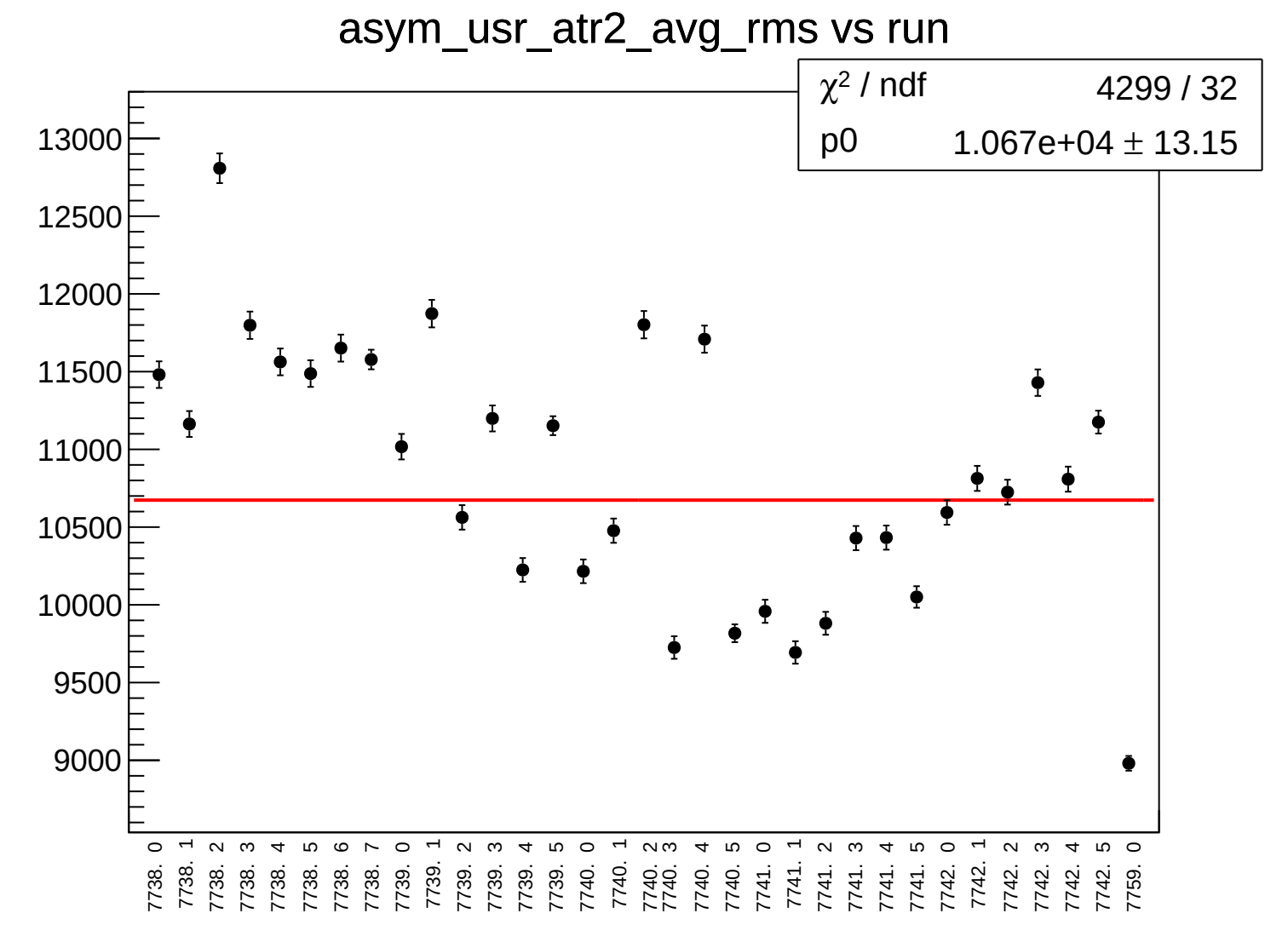

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.45 / 32
p0 −1562 ± 1.83e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.16
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

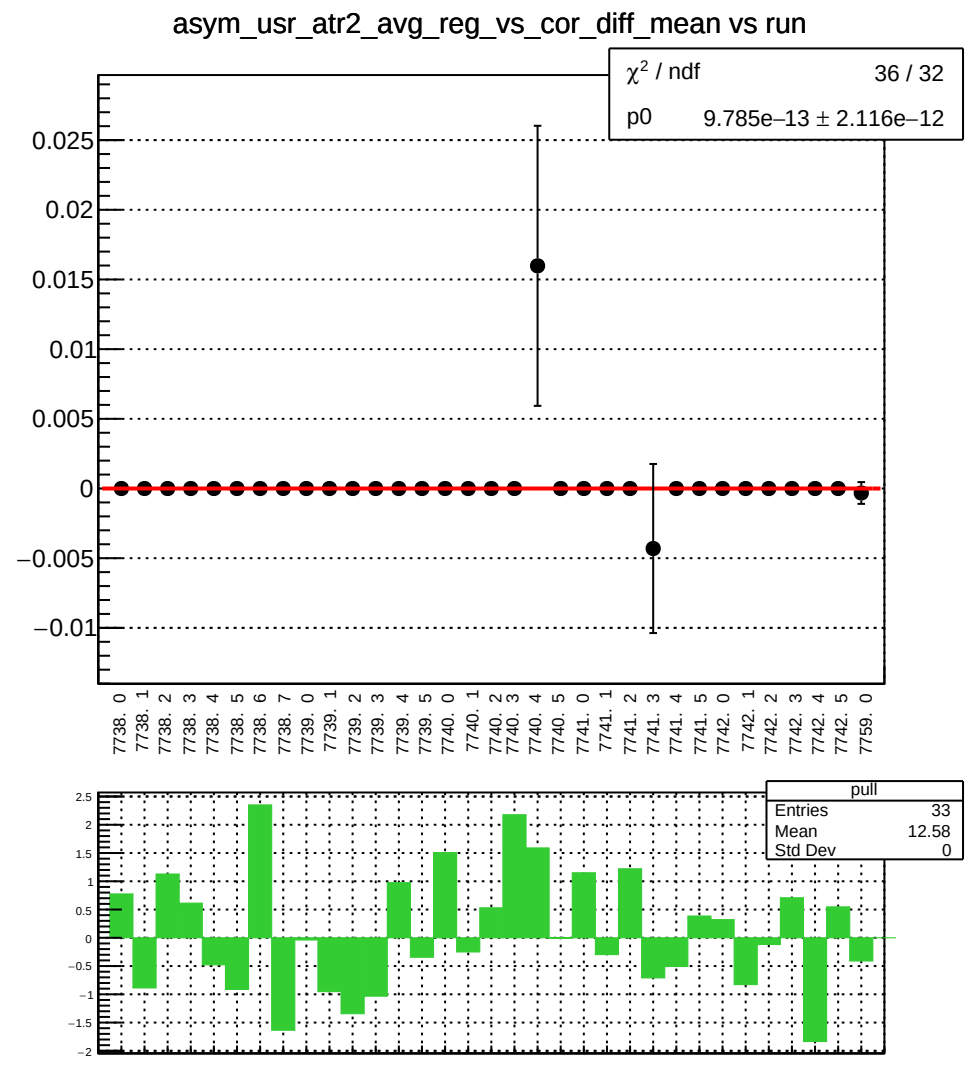

pull1D
Entries 33
Mean −0.03103
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

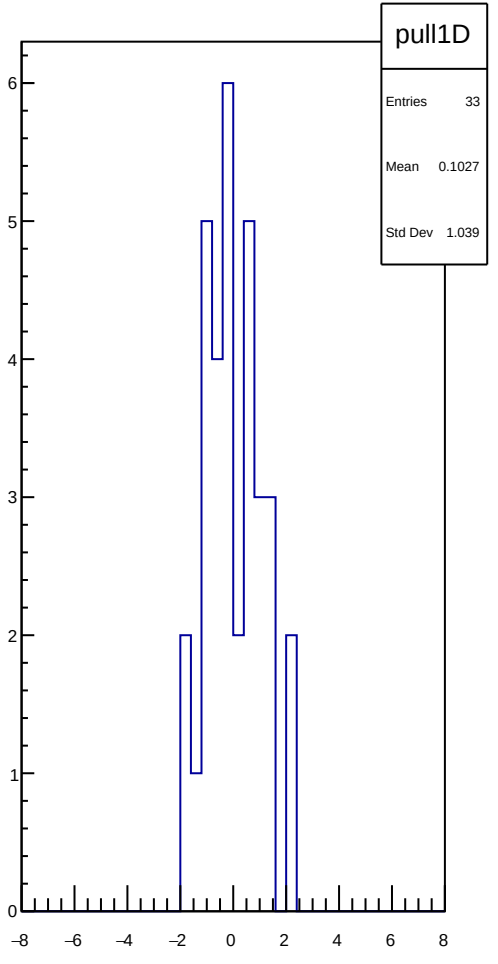

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 6519 / 32
p0 1.048e+04 ± 12.94
13000
12000
11000
10000
9000
8000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

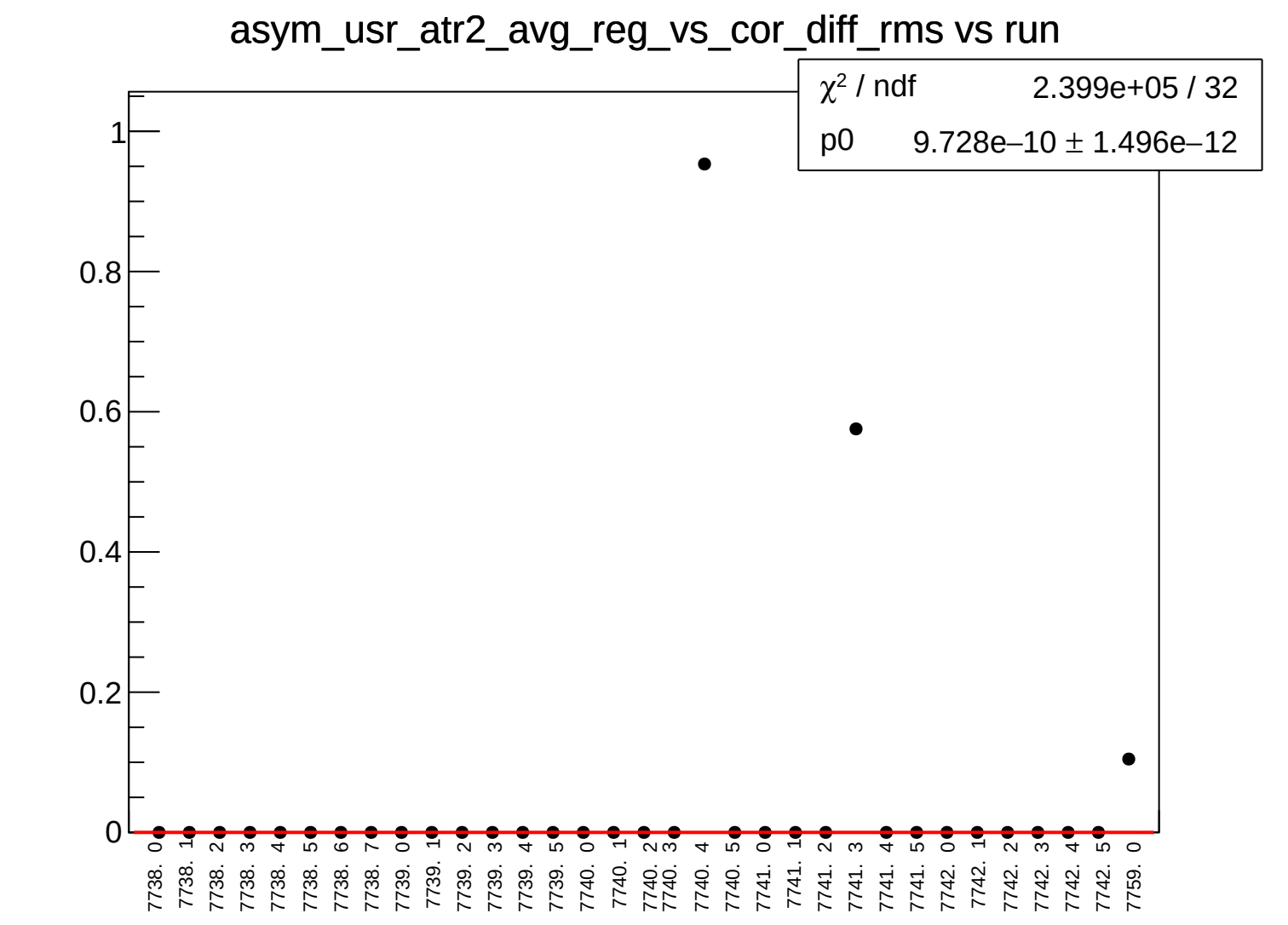

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 34.57 / 32
p0 −2366 ± 1.86e+04
400
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

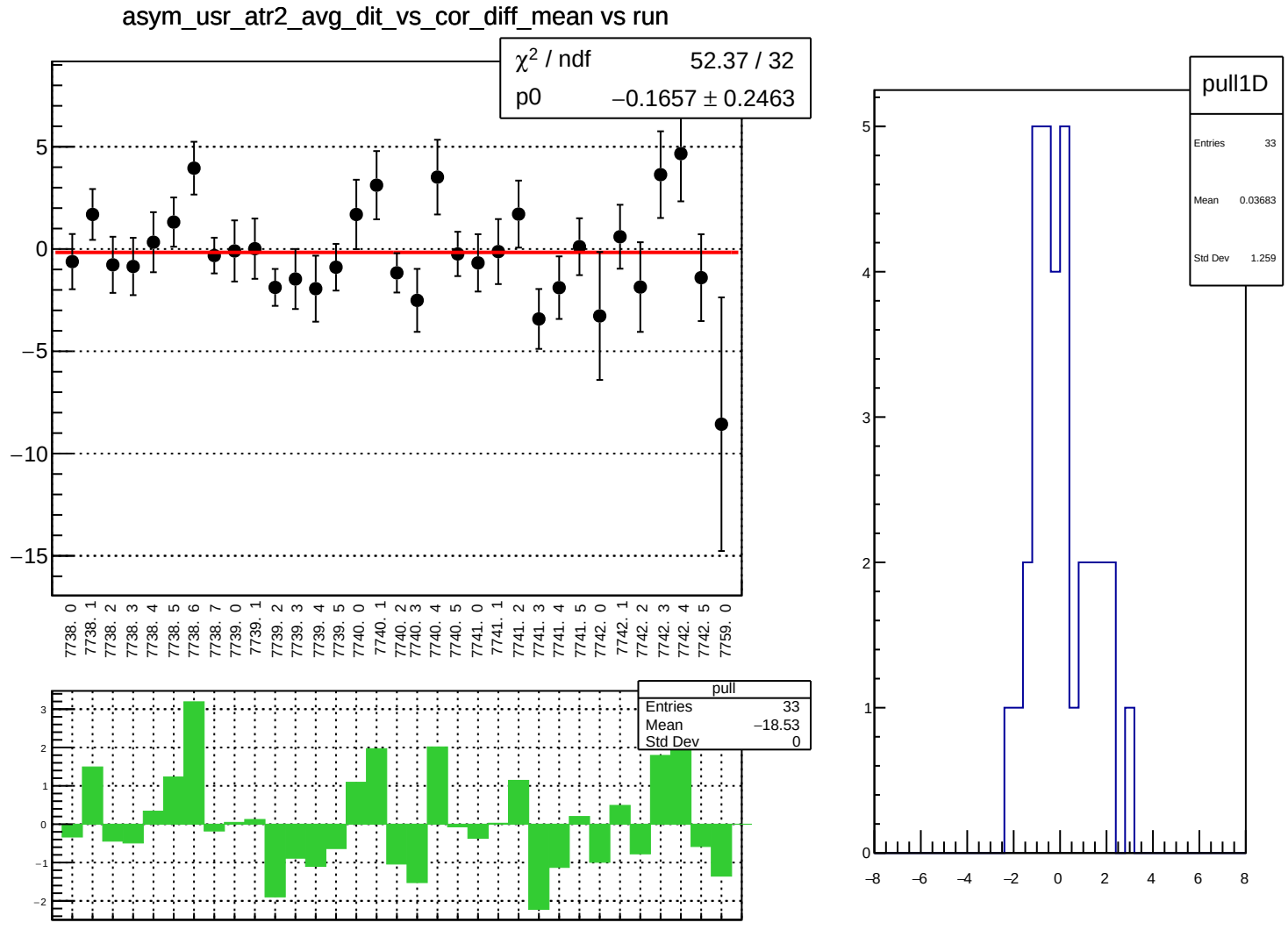

pull1D
Entries 33
Mean 0.03429
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

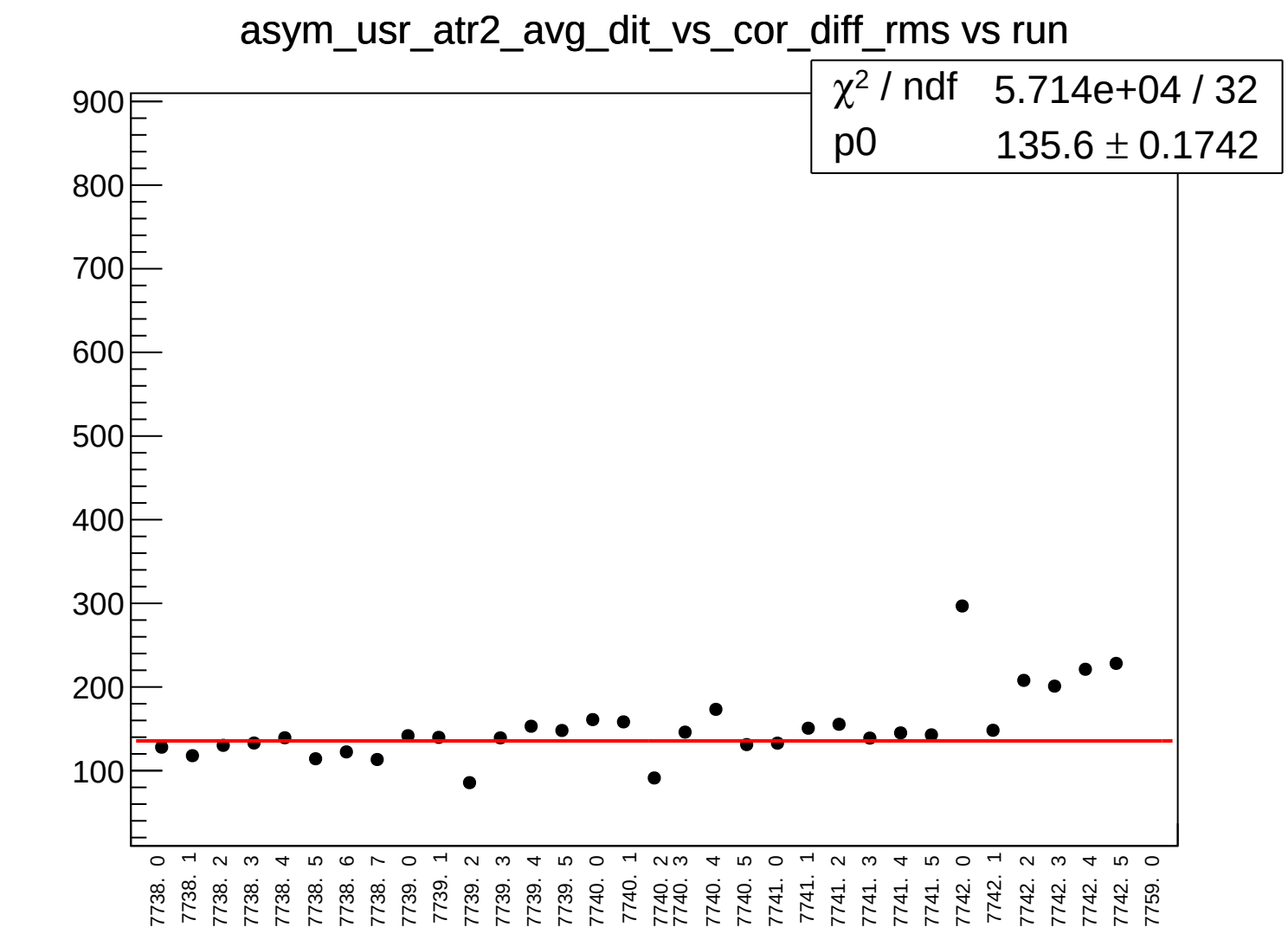

asym_usr_atr2_avg_rms vs run
χ² / ndf 4299 / 32
p0 1.067e+04 ± 13.15
13000
12500
12000
11500
11000
10500
10000
9500
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

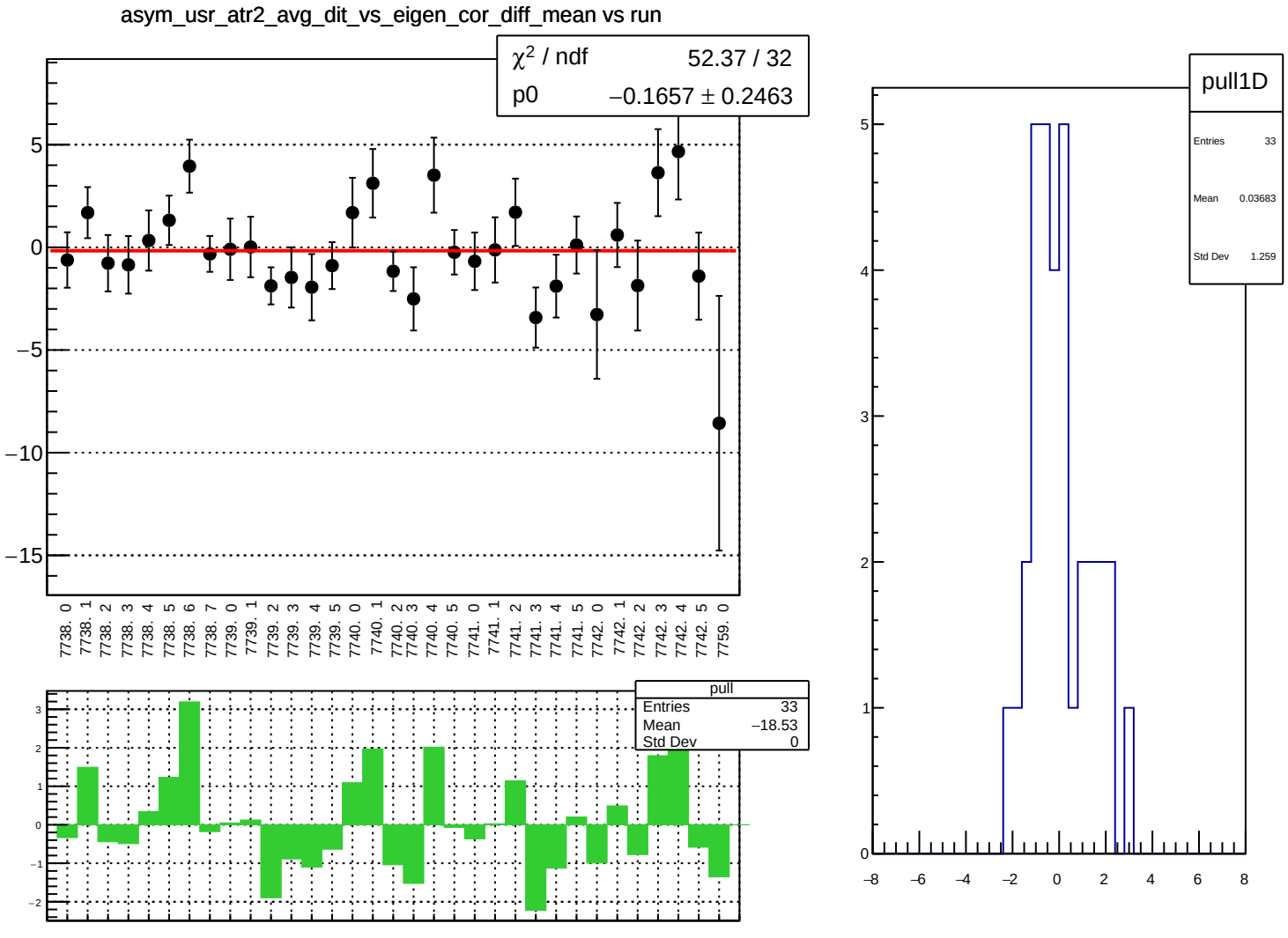

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36 / 32
p0 9.785e−13 ± 2.116e−12
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.58
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

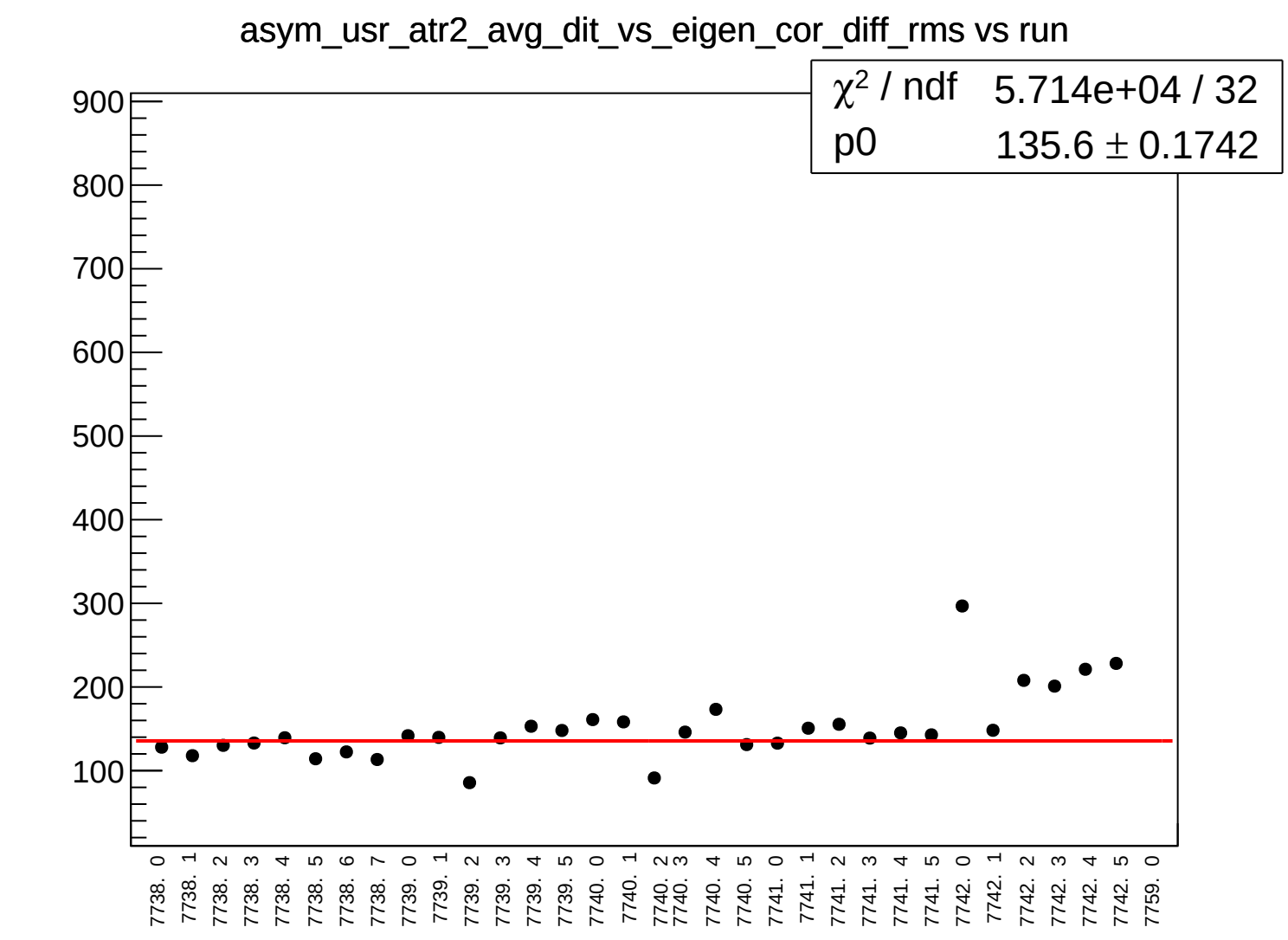

pull1D
Entries 33
Mean 0.1027
Std Dev 1.039
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

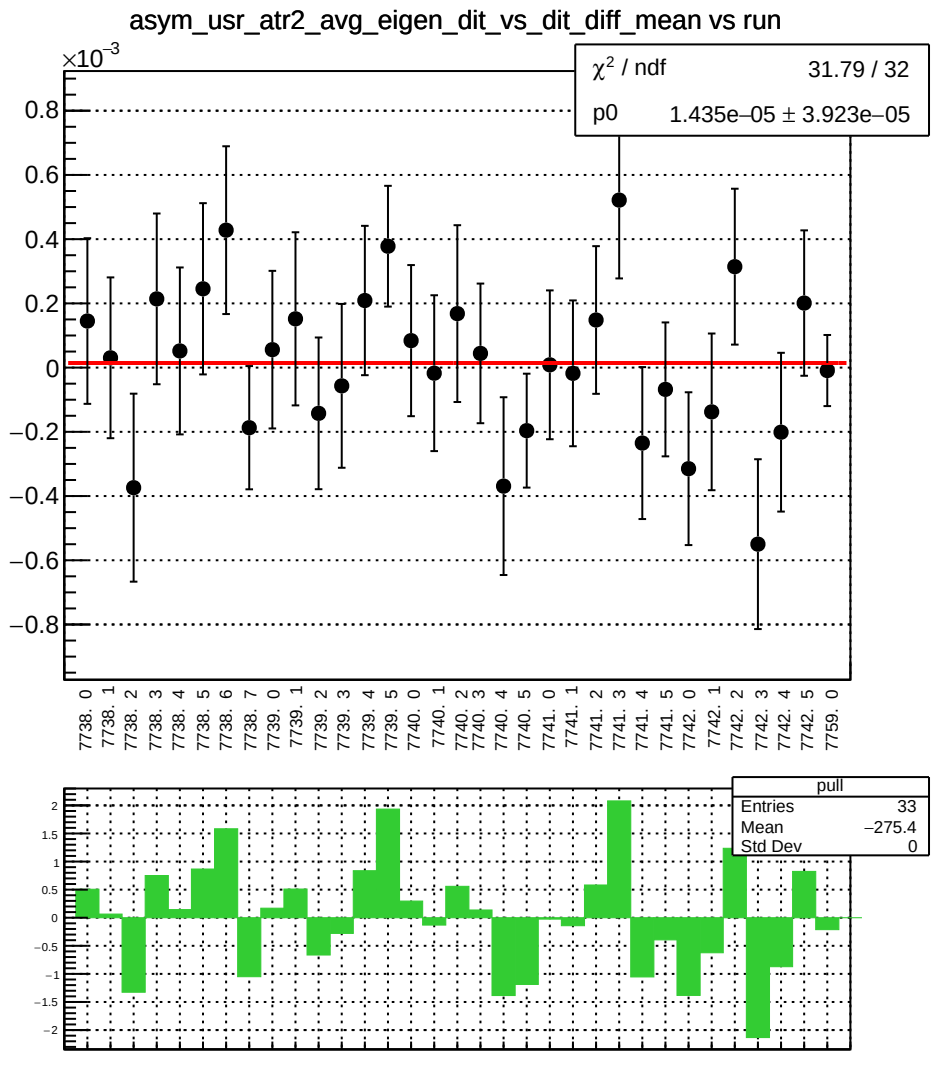

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.399e+05 / 32
p0 9.728e−10 ± 1.496e−12
1
0.8
0.6
0.4
0.2
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

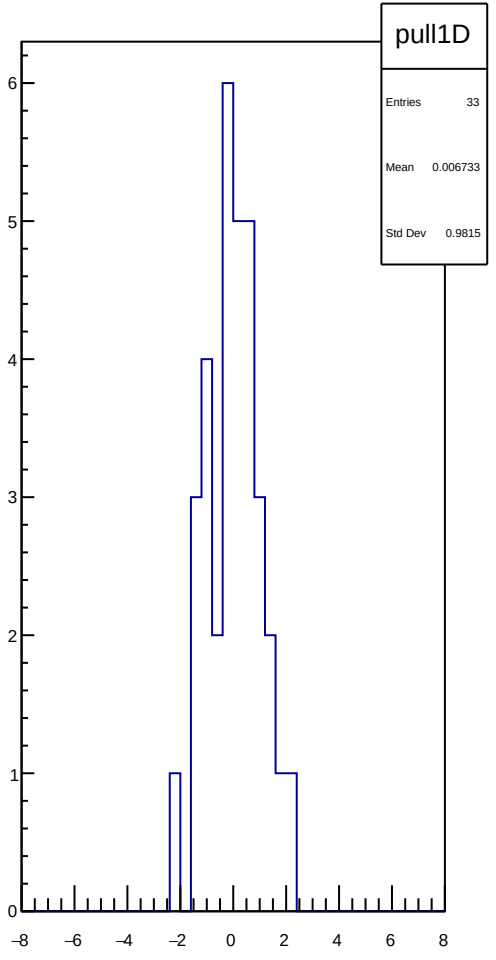

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.37 / 32
p0 −0.1657 ± 0.2463
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.53
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.03683
Std Dev 1.259
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

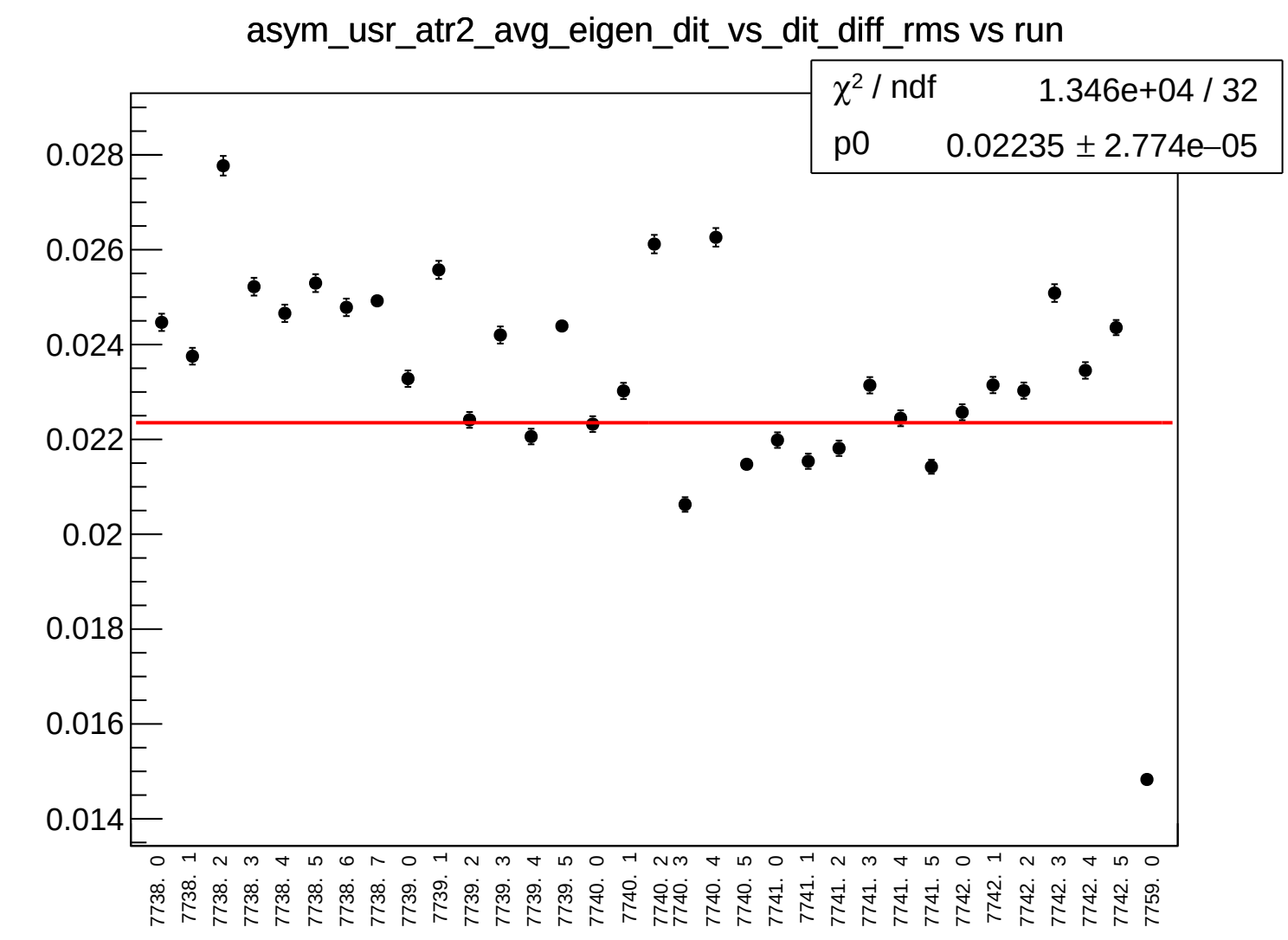

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.714e+04 / 32
p0 135.6 ± 0.1742
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

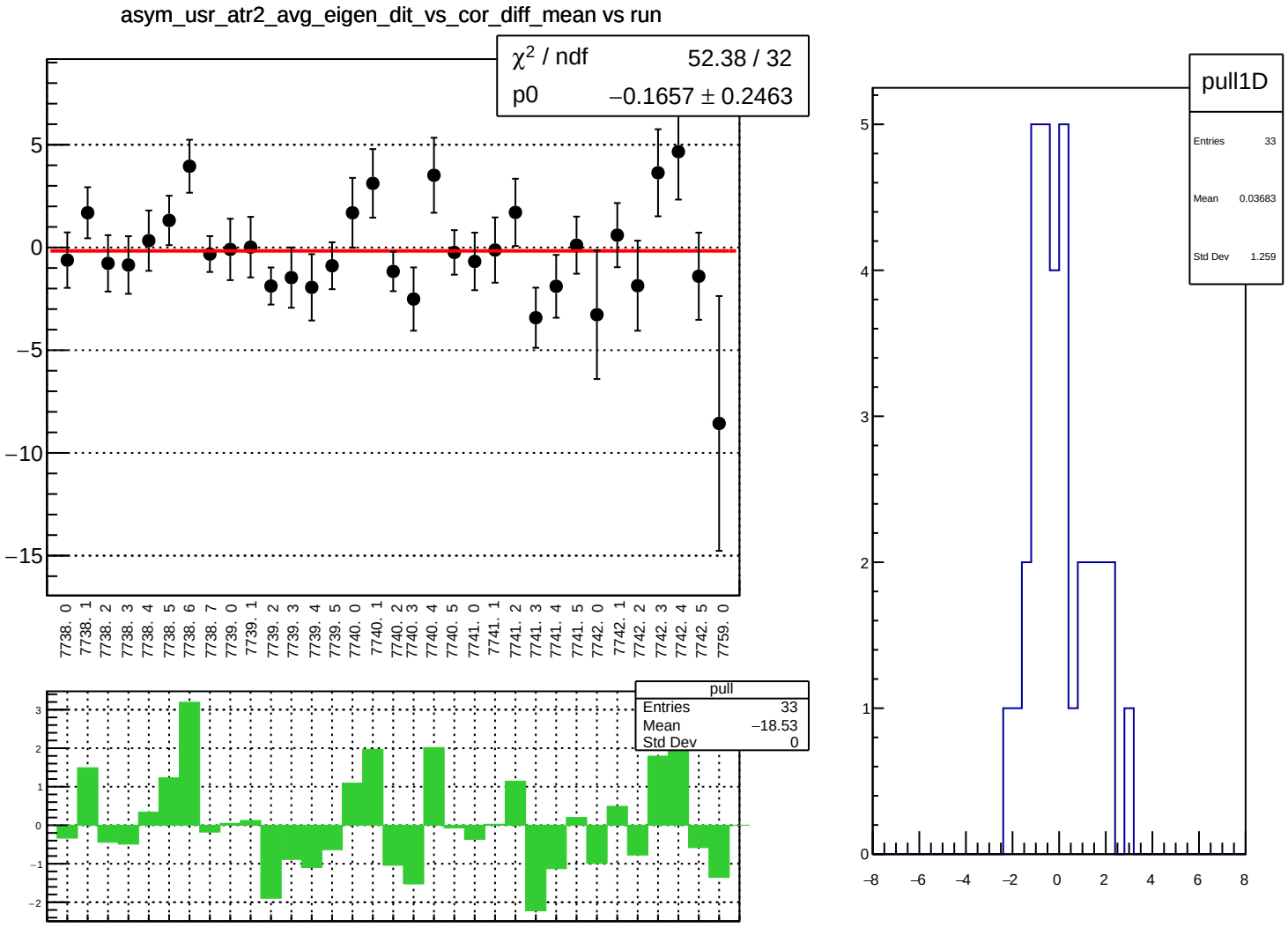

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.37 / 32
p0 −0.1657 ± 0.2463
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.53
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.03683
Std Dev 1.259
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

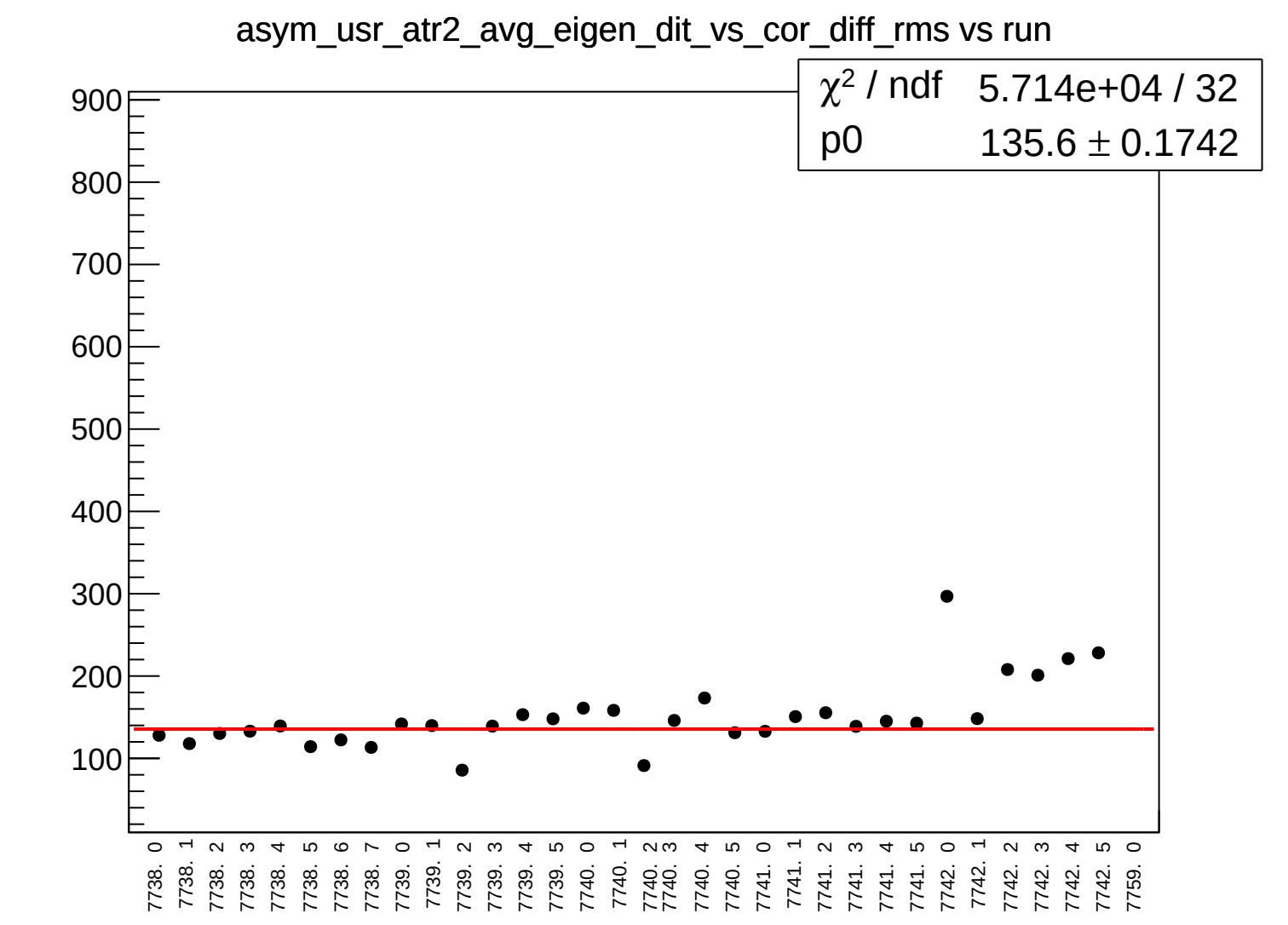

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.714e+04 / 32
p0 135.6 ± 0.1742
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

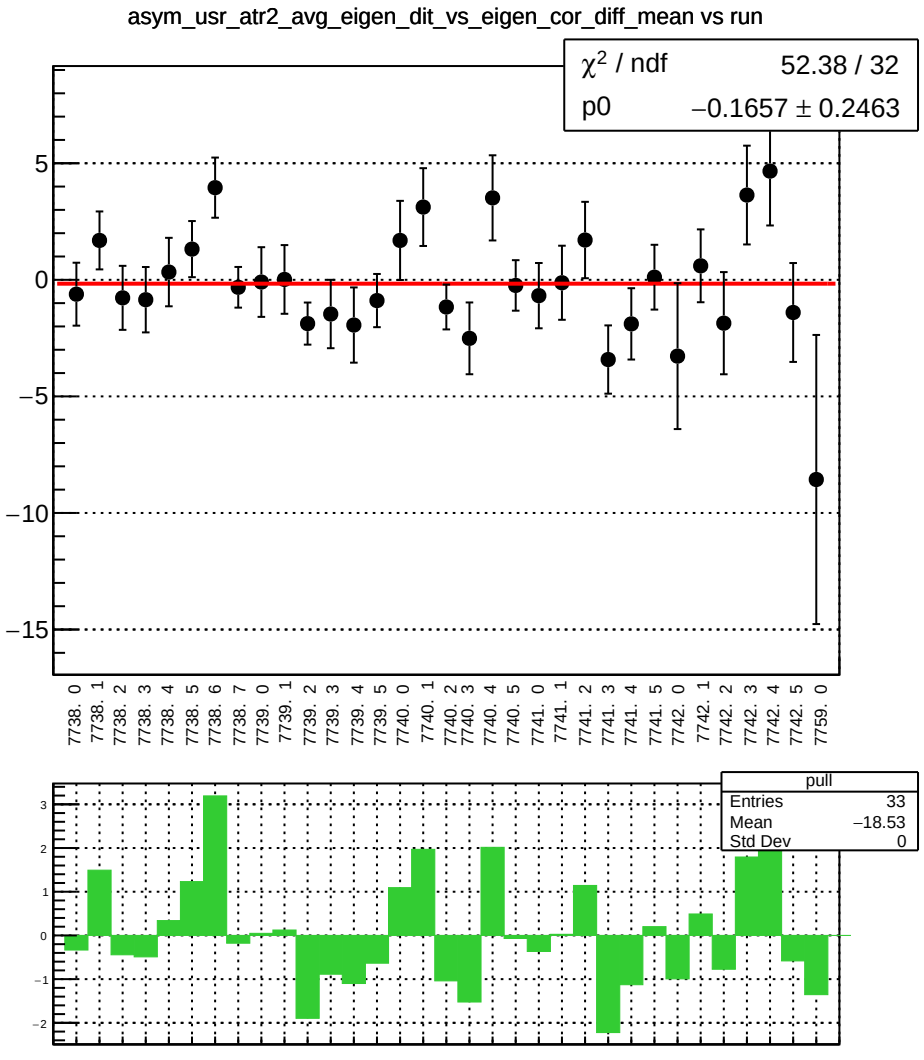

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.79 / 32
p0 1.435e−05 ± 3.923e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −275.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

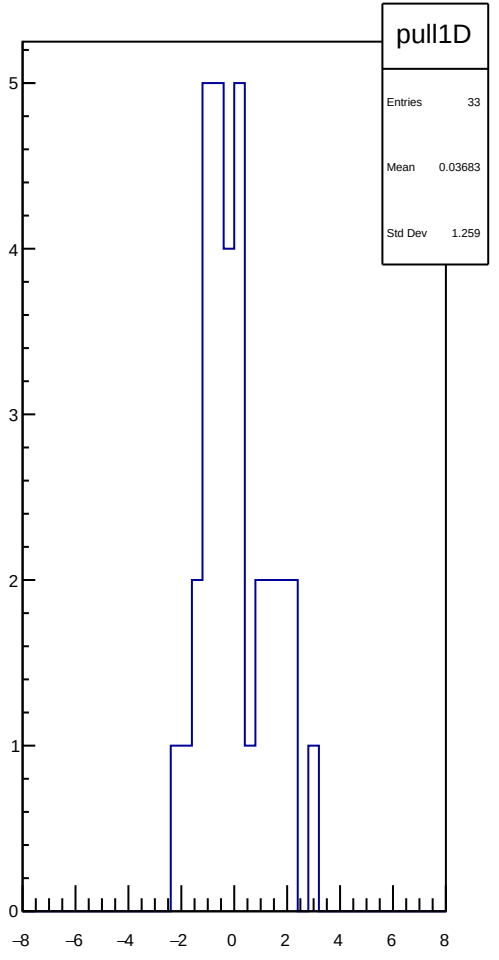

pull1D
Entries 33
Mean 0.006733
Std Dev 0.9815
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

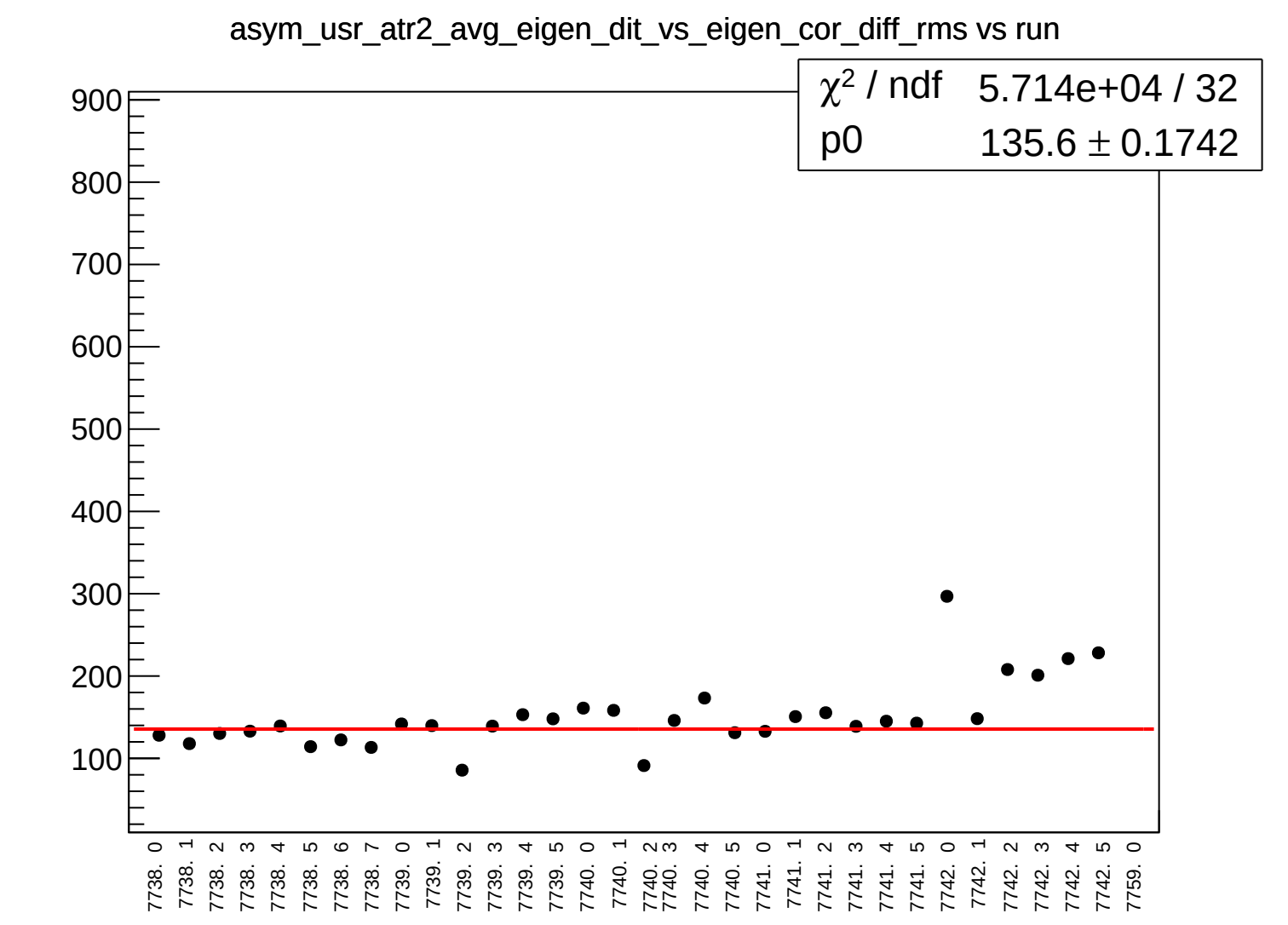

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.346e+04 / 32
p0 0.02235 ± 2.774e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

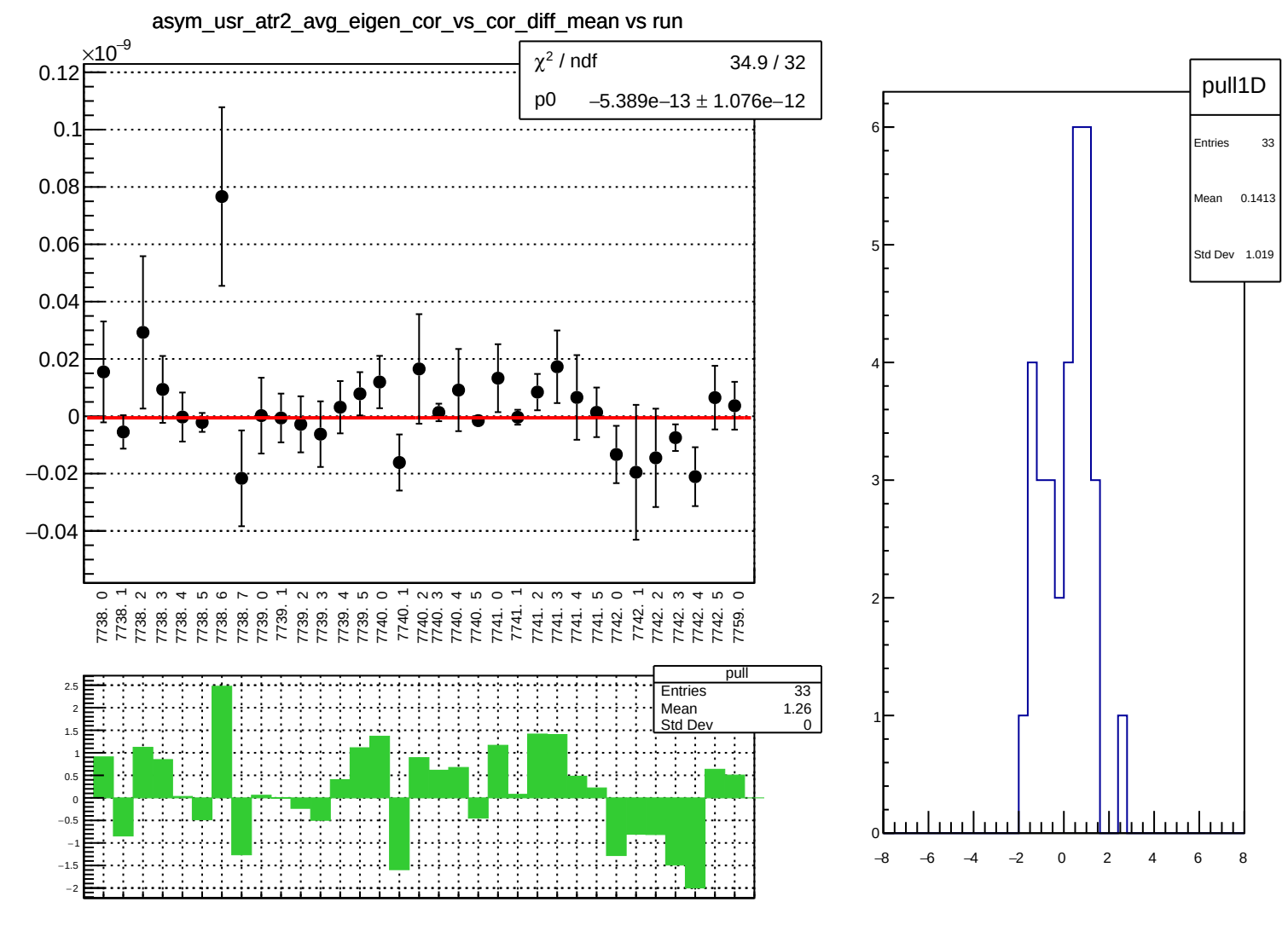

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.38 / 32
p0 −0.1657 ± 0.2463
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.53
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.03683
Std Dev 1.259
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

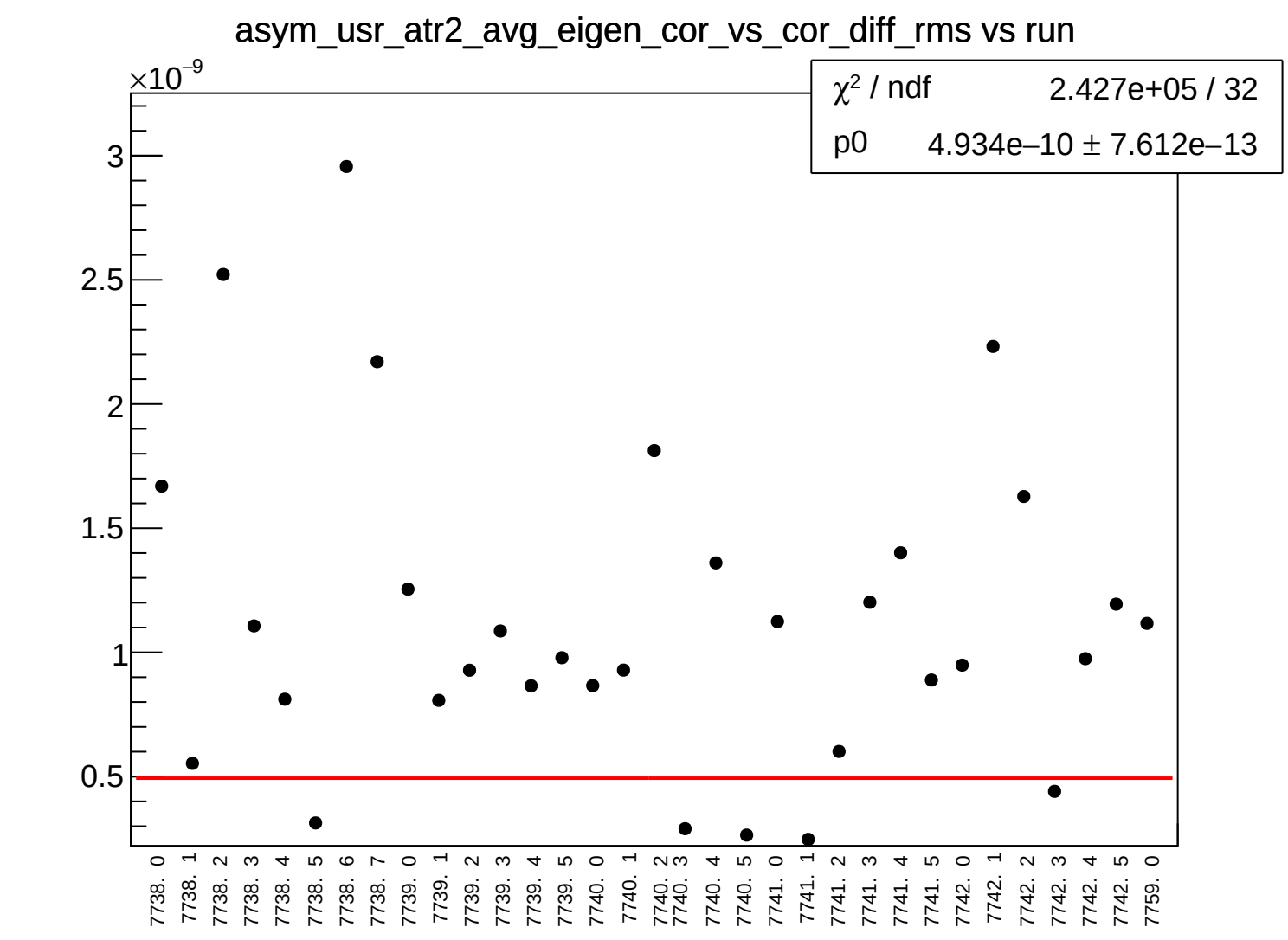

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.714e+04 / 32
p0 135.6 ± 0.1742
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

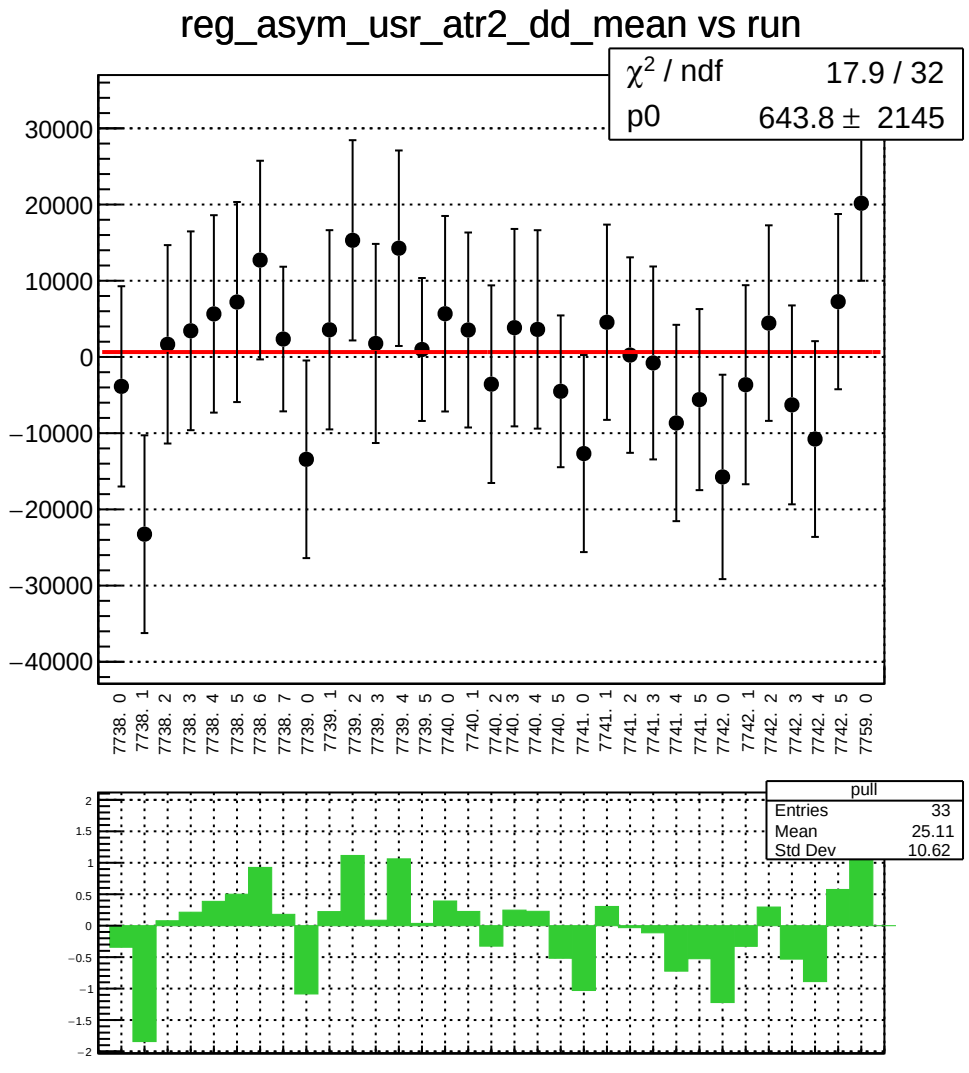

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.38 / 32
p0 −0.1657 ± 0.2463
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.53
Std Dev 0
3
2
1
0
−1
−2

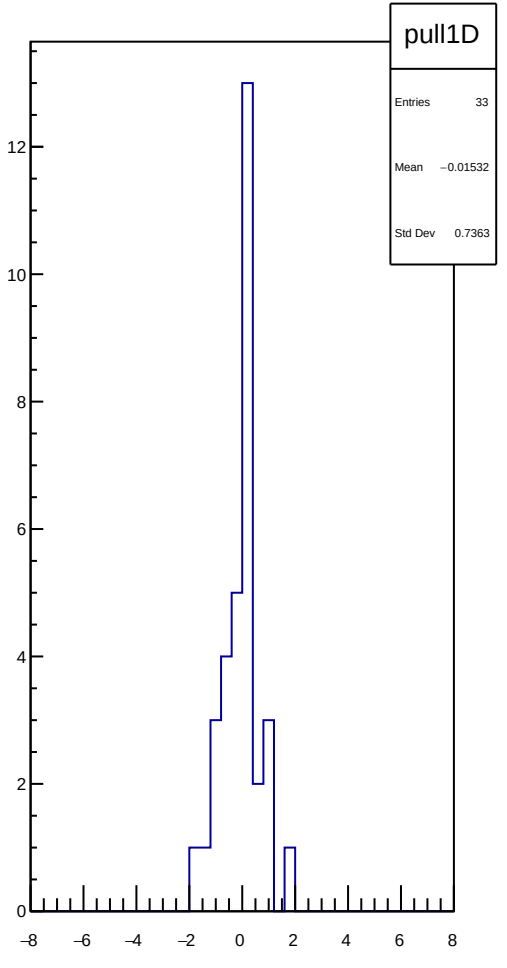

pull1D
Entries 33
Mean 0.03683
Std Dev 1.259
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

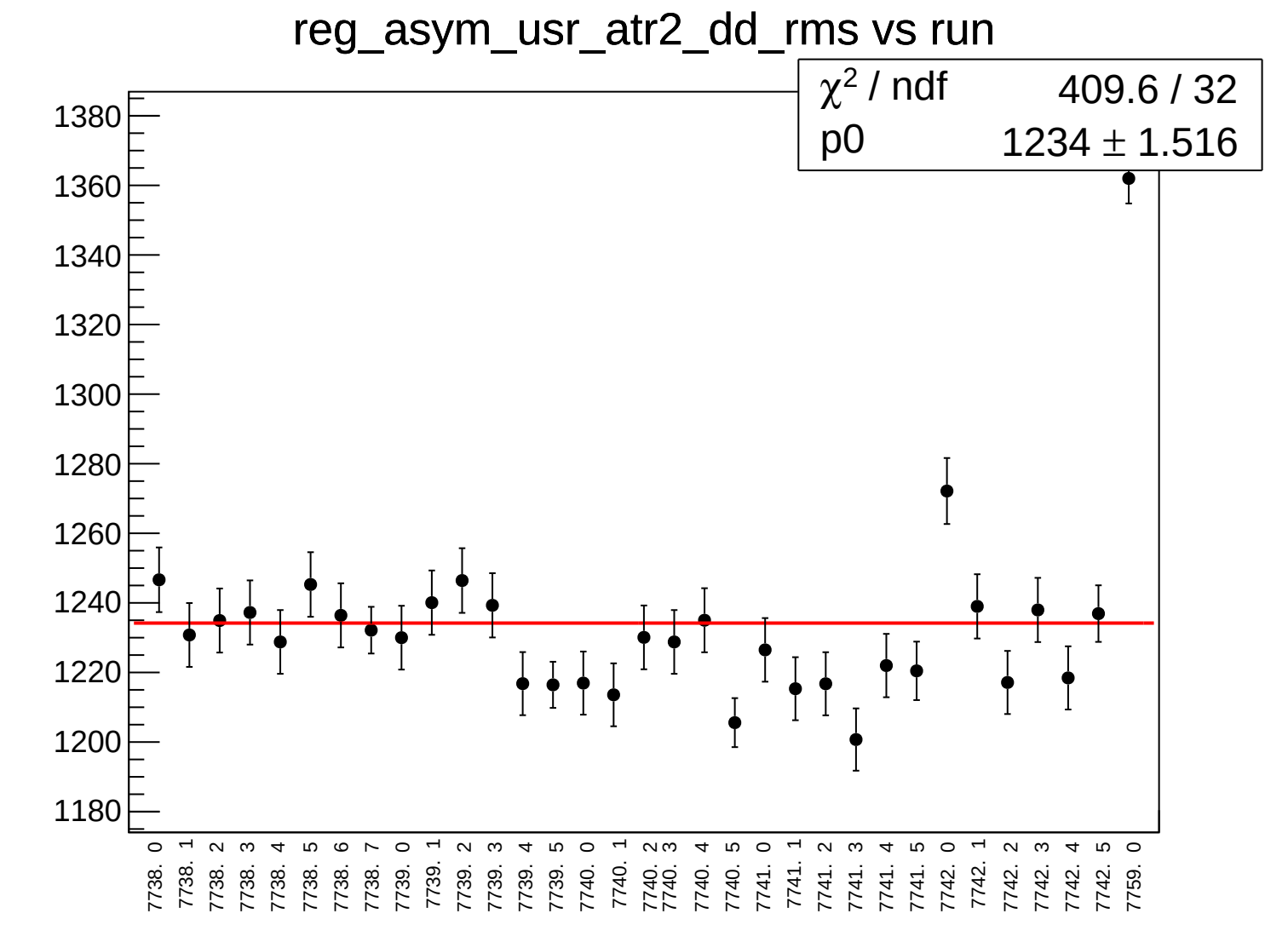

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.714e+04 / 32
p0 135.6 ± 0.1742
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

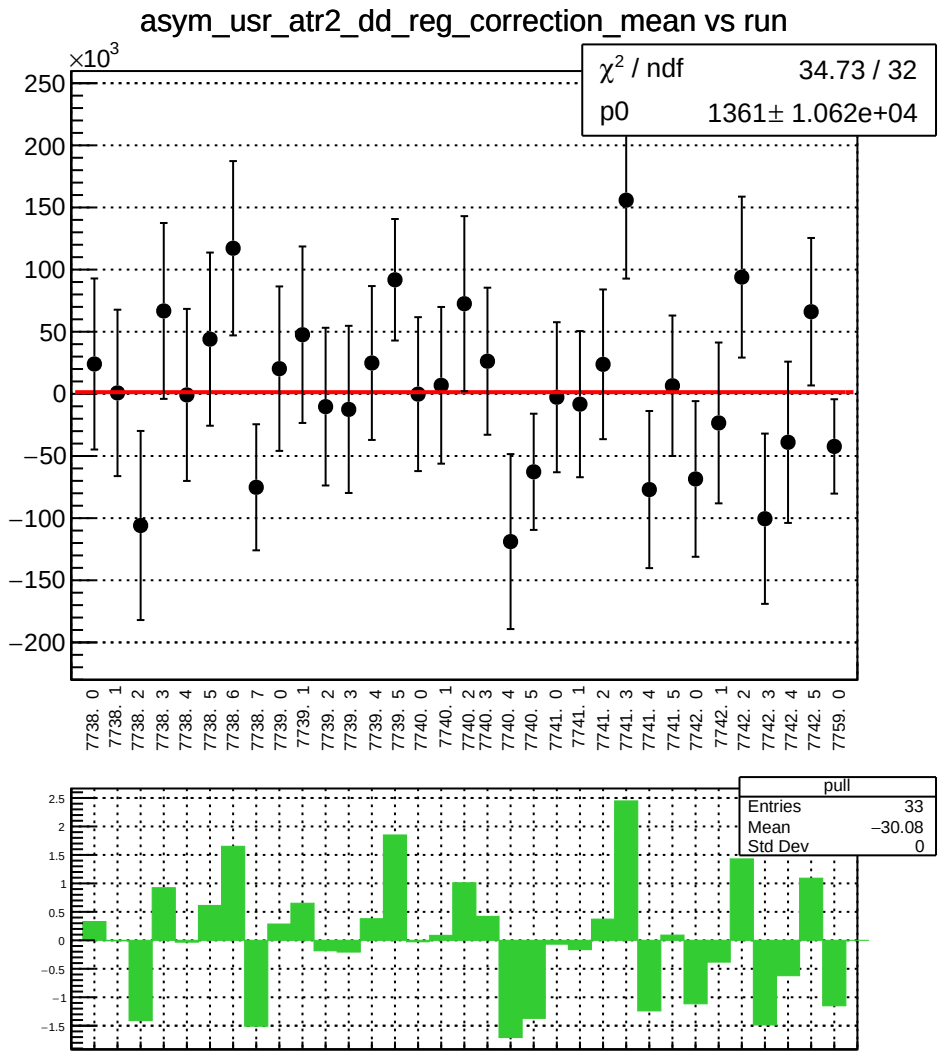

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 34.9 / 32
p0 −5.389e−13 ± 1.076e−12
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.26
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1413
Std Dev 1.019
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

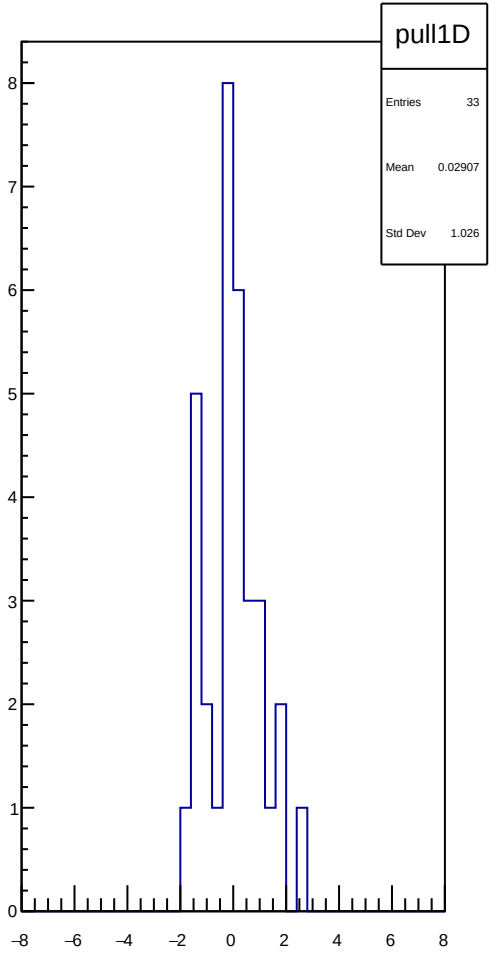

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.427e+05 / 32
p0 4.934e−10 ± 7.612e−13
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

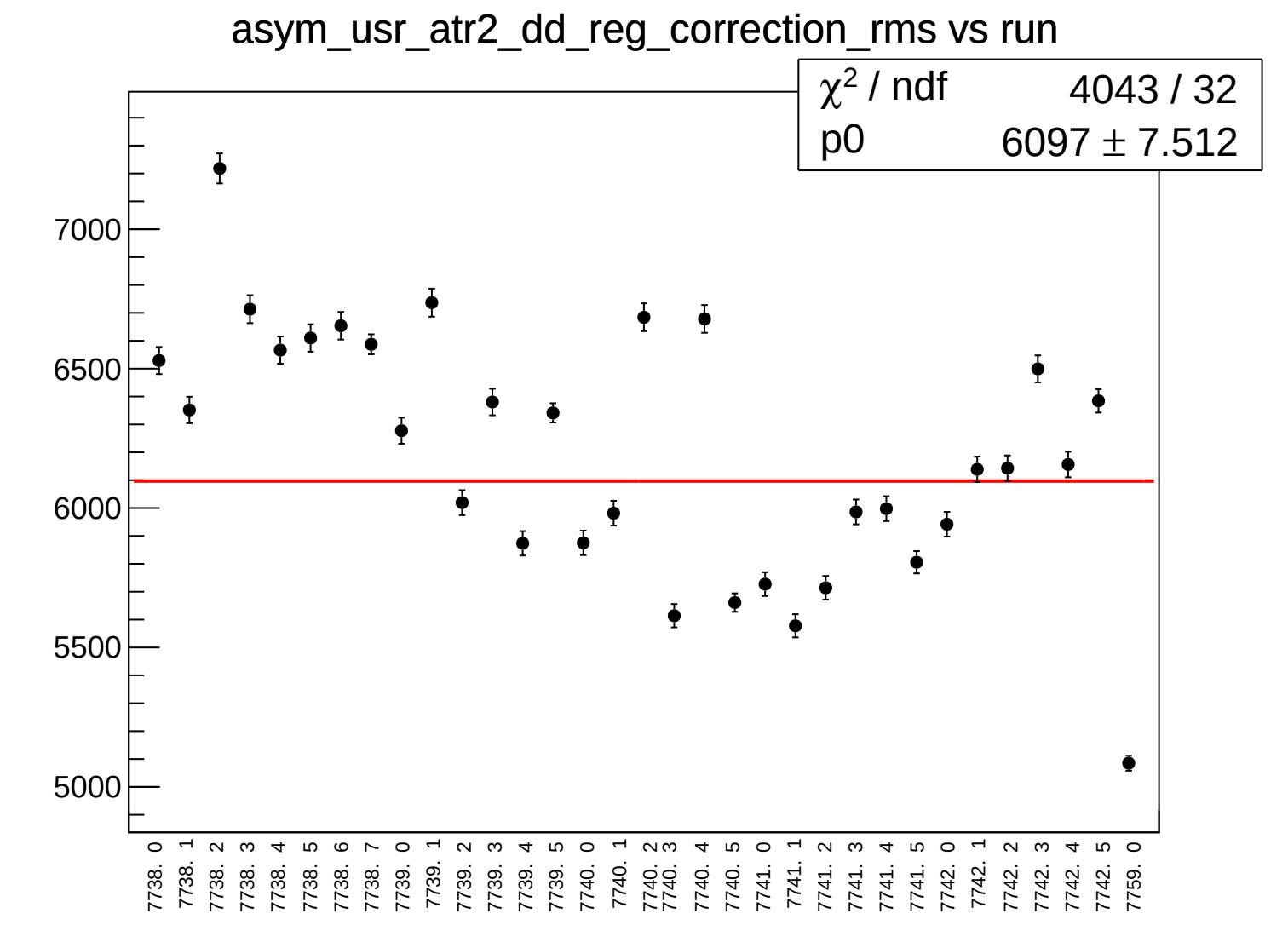

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 17.9 / 32
p0 643.8 ± 2145
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 25.11
Std Dev 10.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

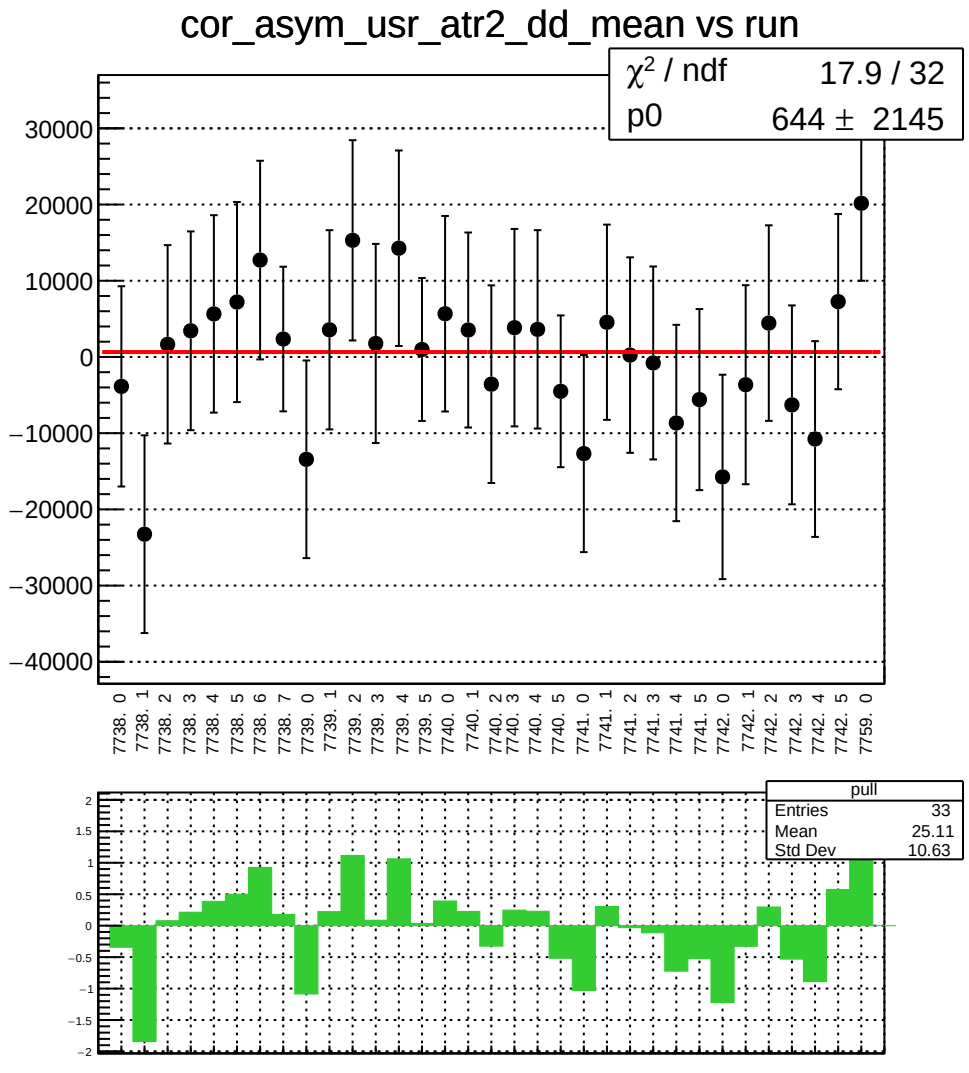

pull1D
Entries 33
Mean −0.01532
Std Dev 0.7363
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

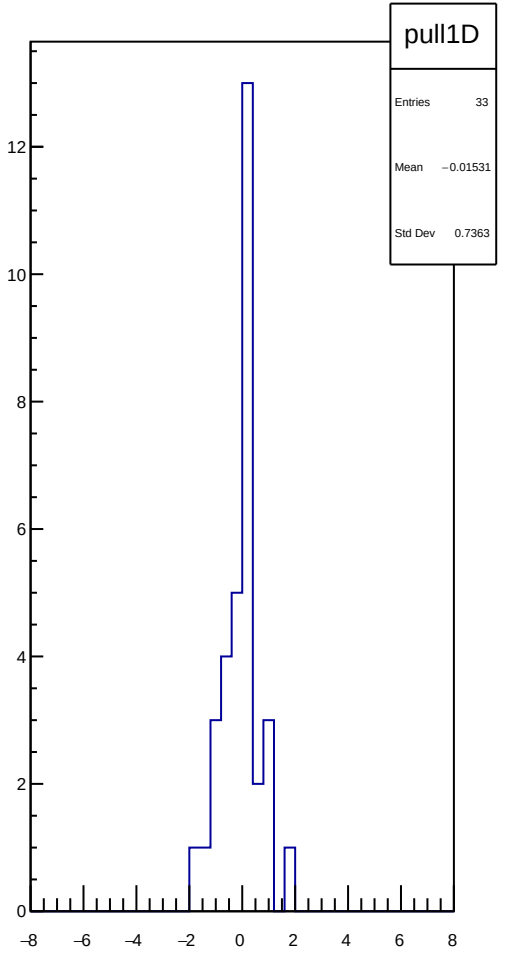

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 409.6 / 32
p0 1234 ± 1.516
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

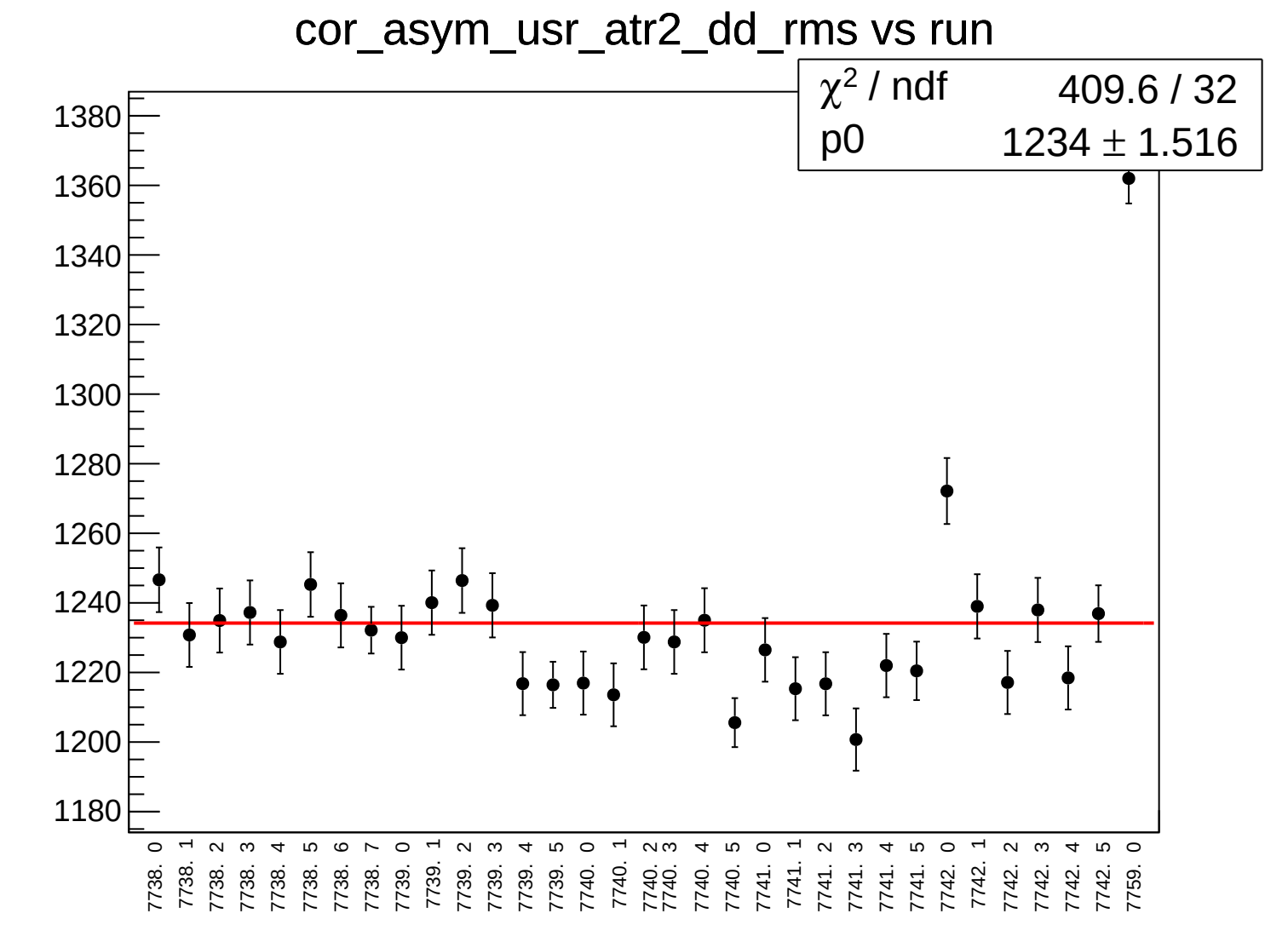

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.73 / 32
p0 1361± 1.062e+04
250
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

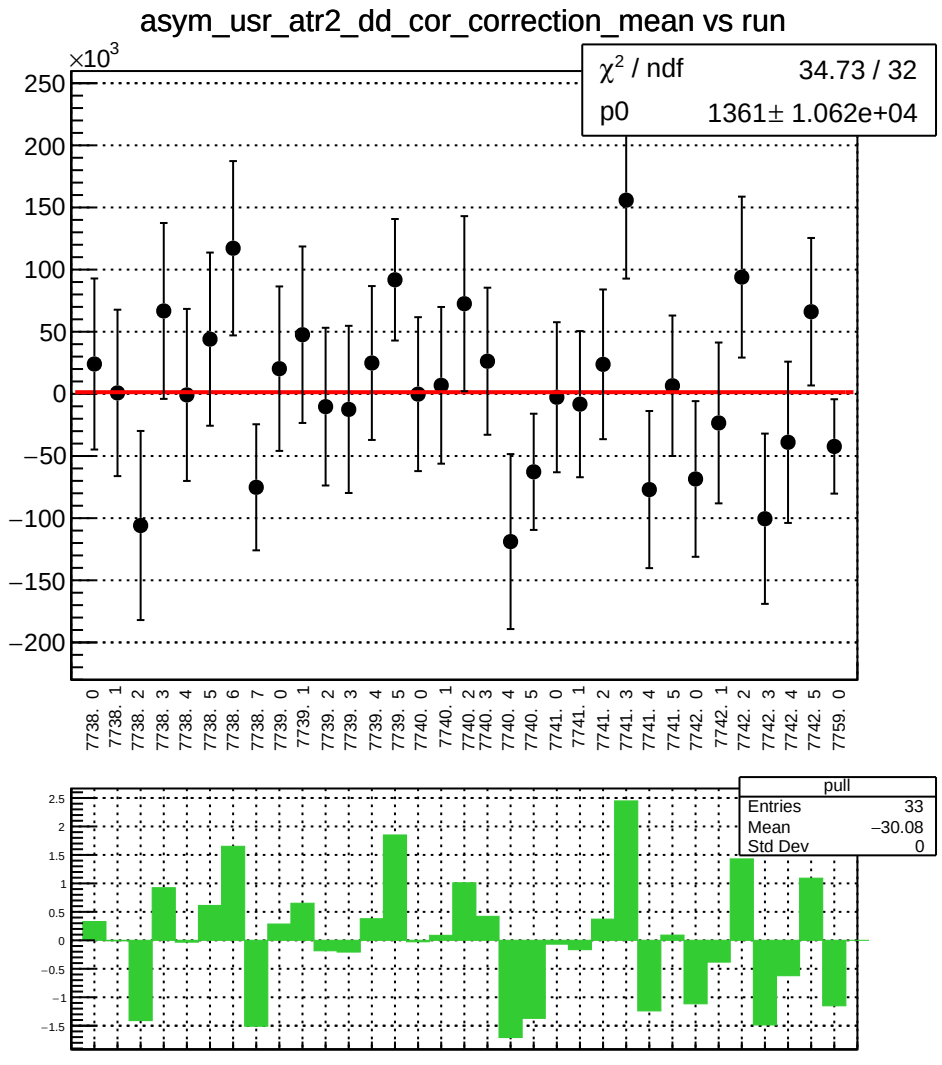

pull1D
Entries 33
Mean 0.02907
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

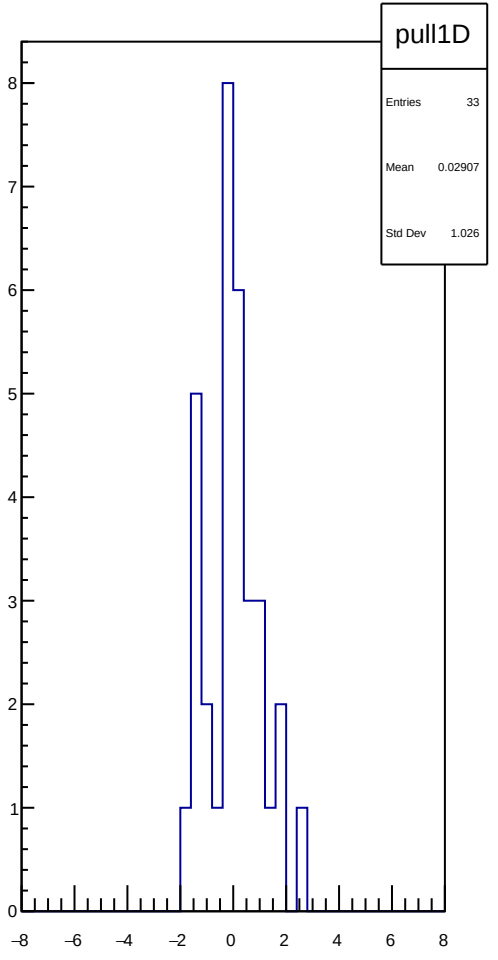

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 4043 / 32
p0 6097 ± 7.512
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

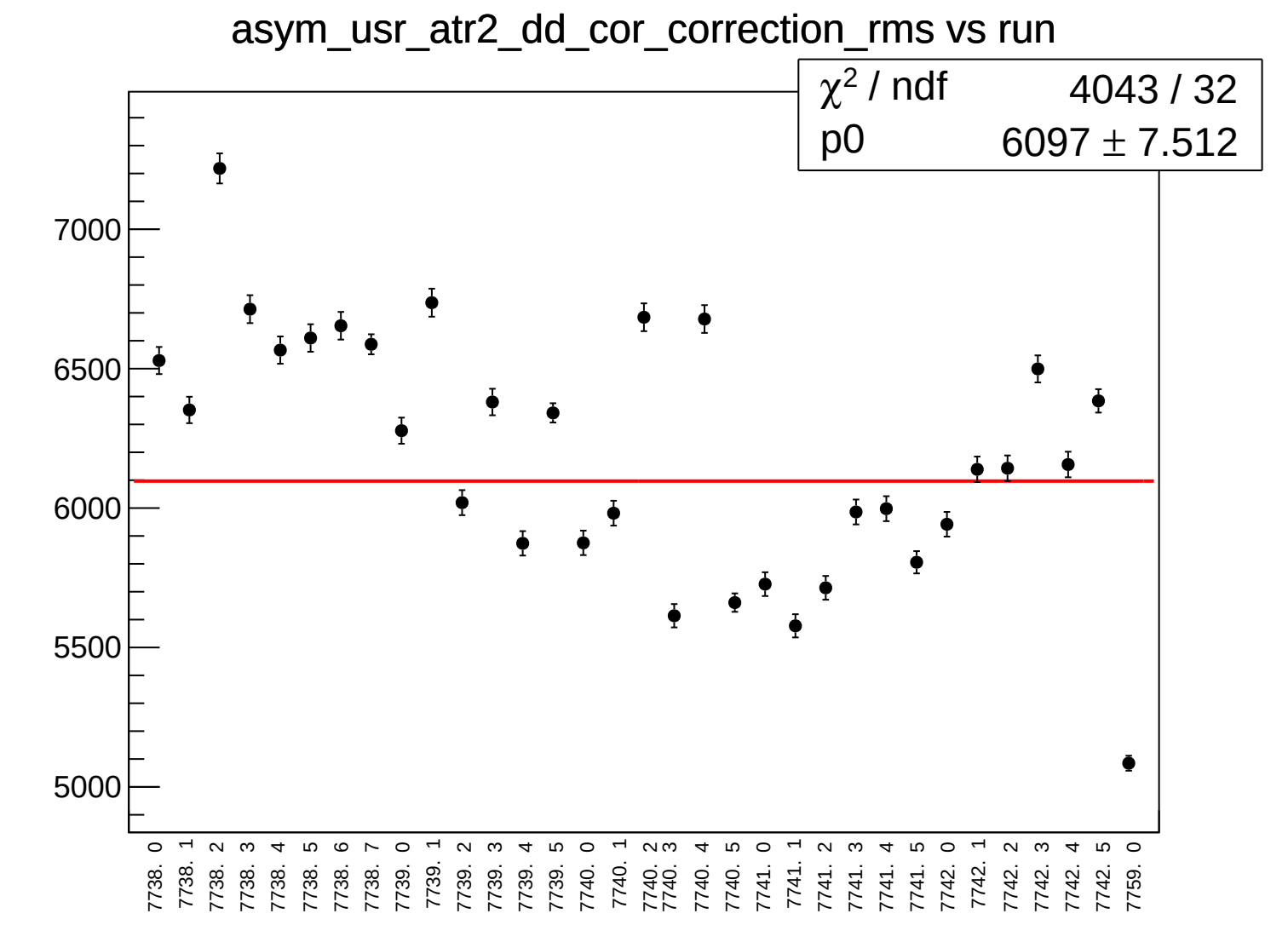

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 17.9 / 32
p0 644 ± 2145
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 25.11
Std Dev 10.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

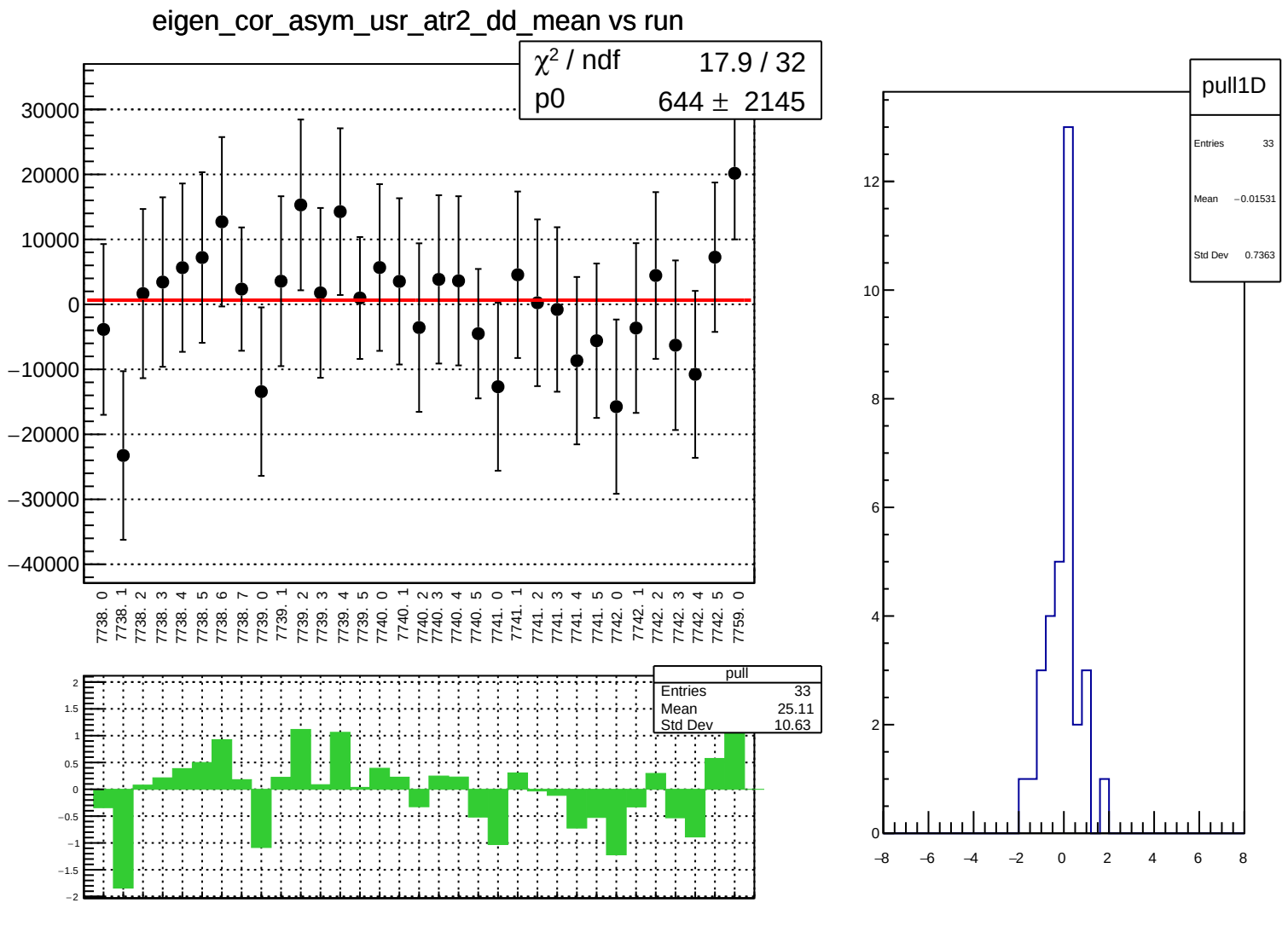

pull1D
Entries 33
Mean −0.01531
Std Dev 0.7363
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

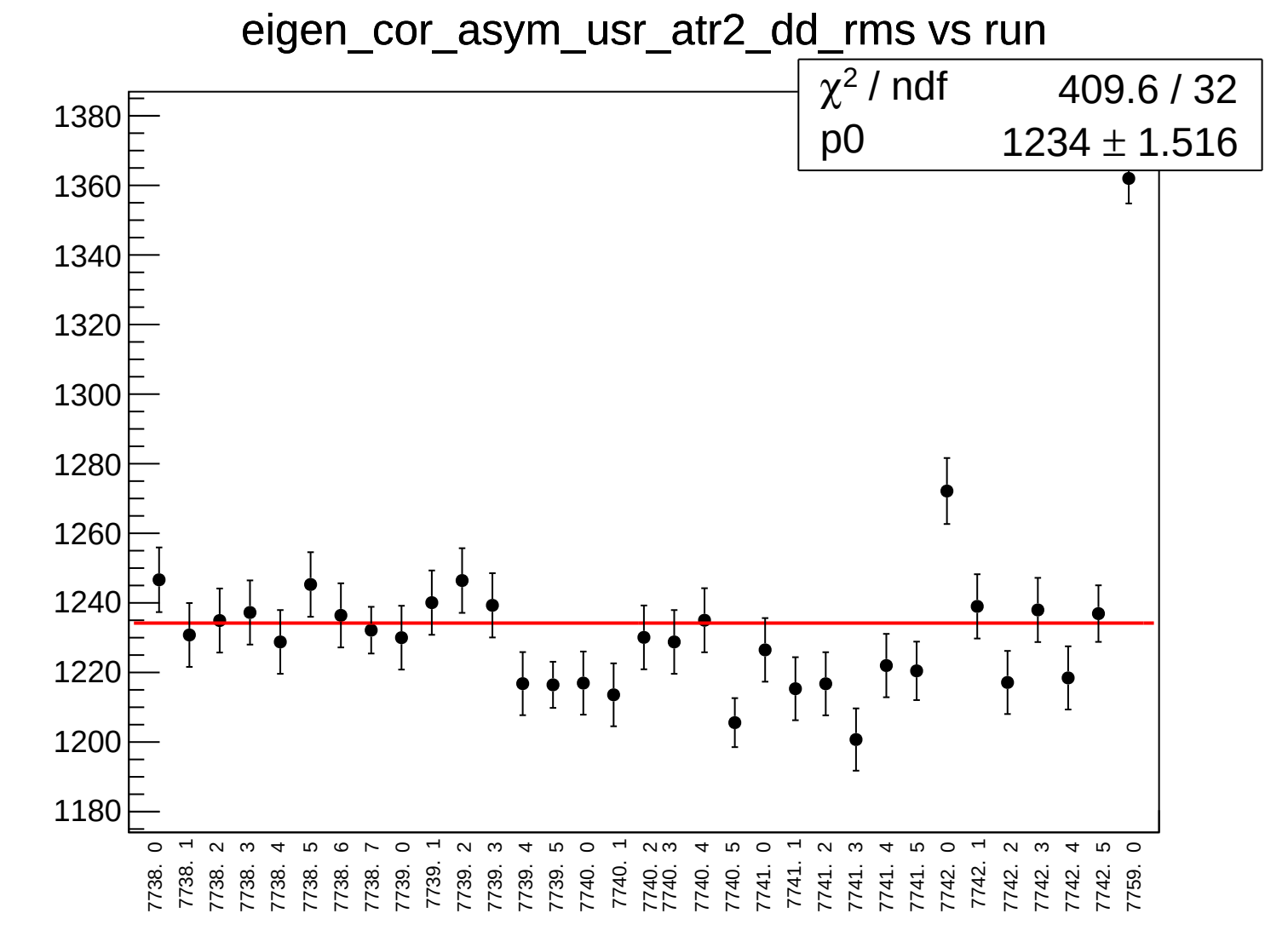

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 409.6 / 32
p0 1234 ± 1.516
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

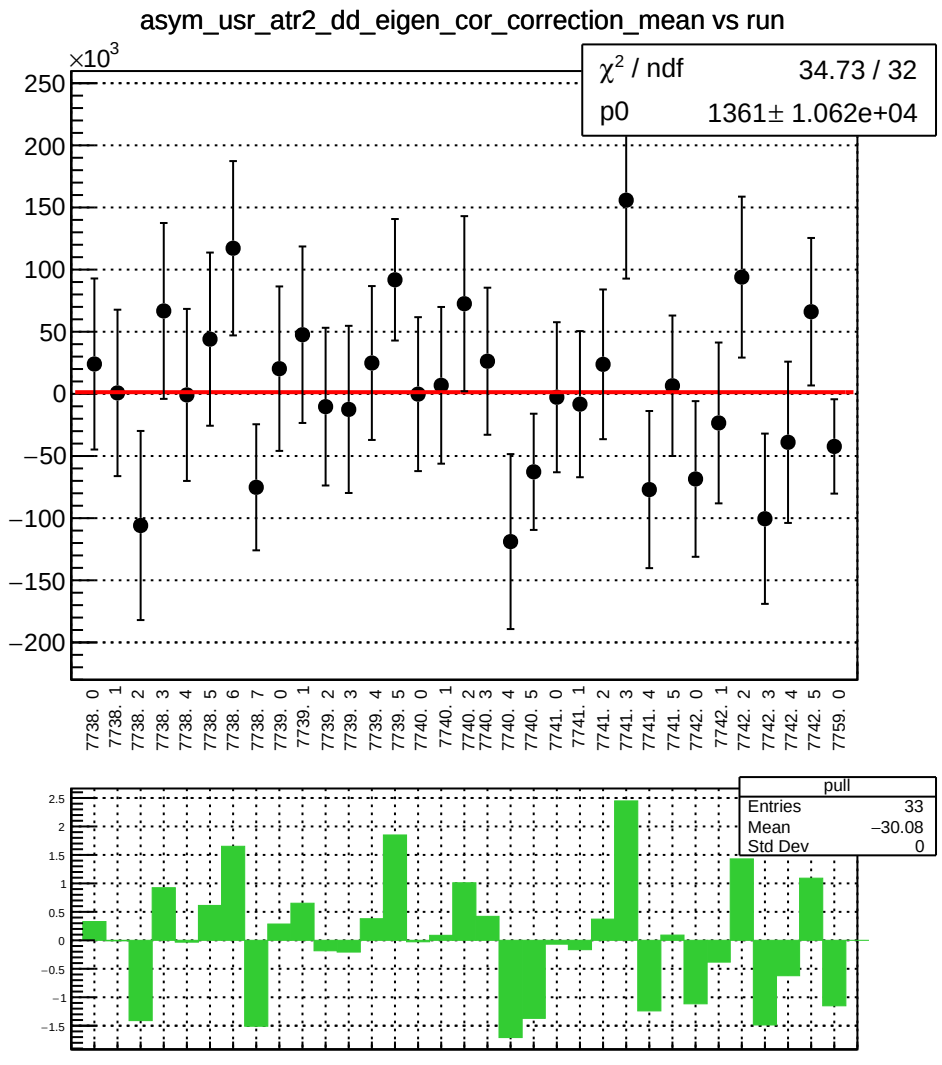

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.73 / 32
p0 1361± 1.062e+04
250
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

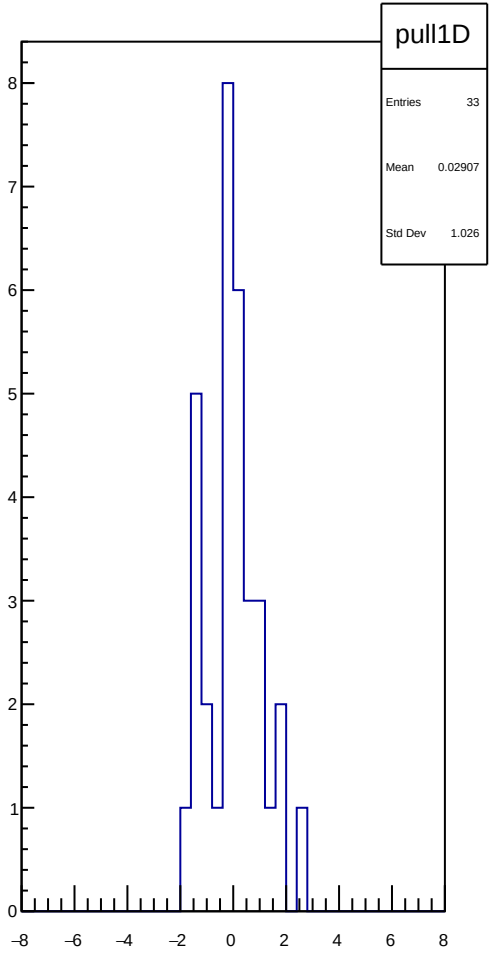

pull1D
Entries 33
Mean 0.02907
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

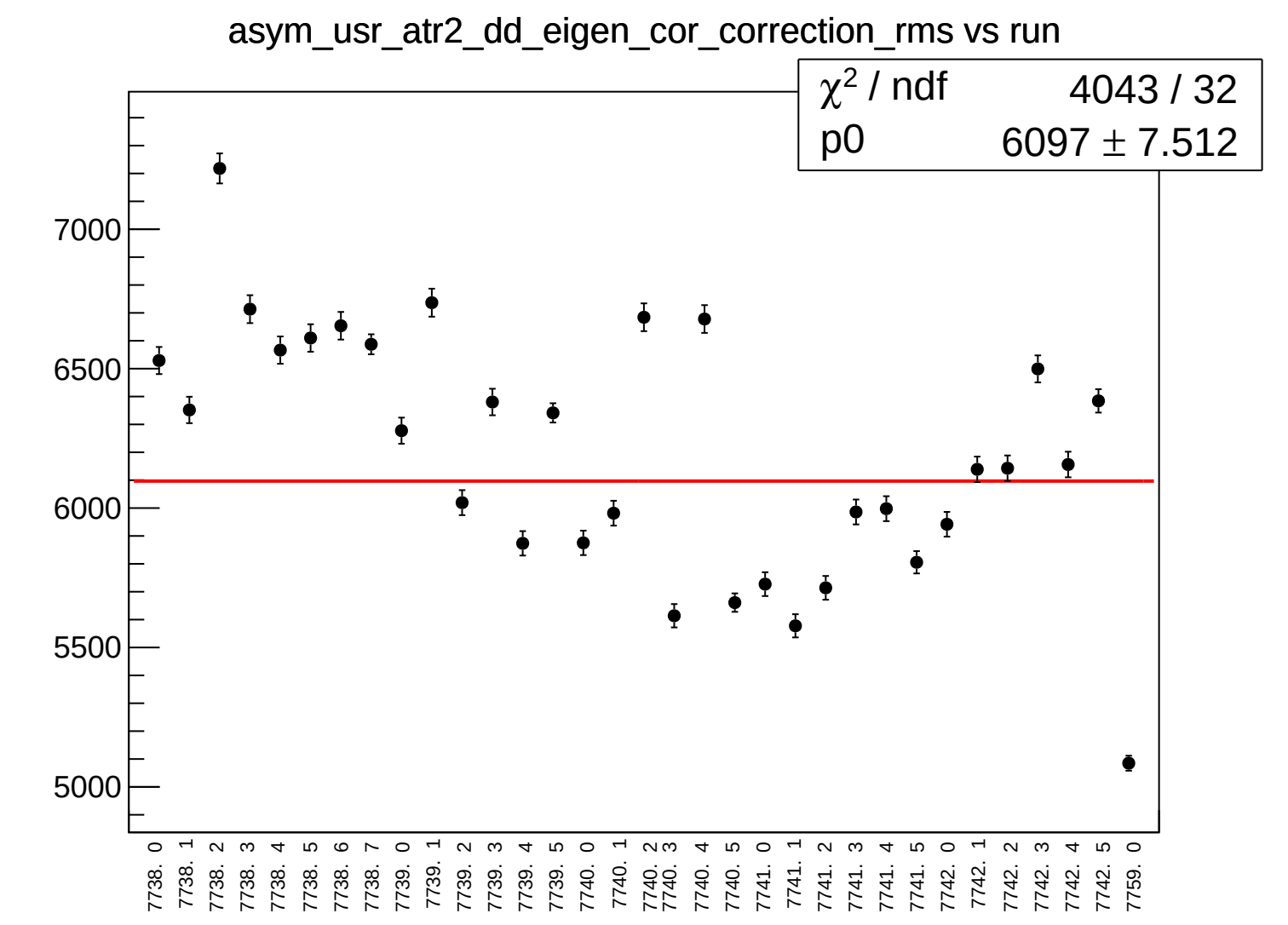

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 4043 / 32
p0 6097 ± 7.512
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

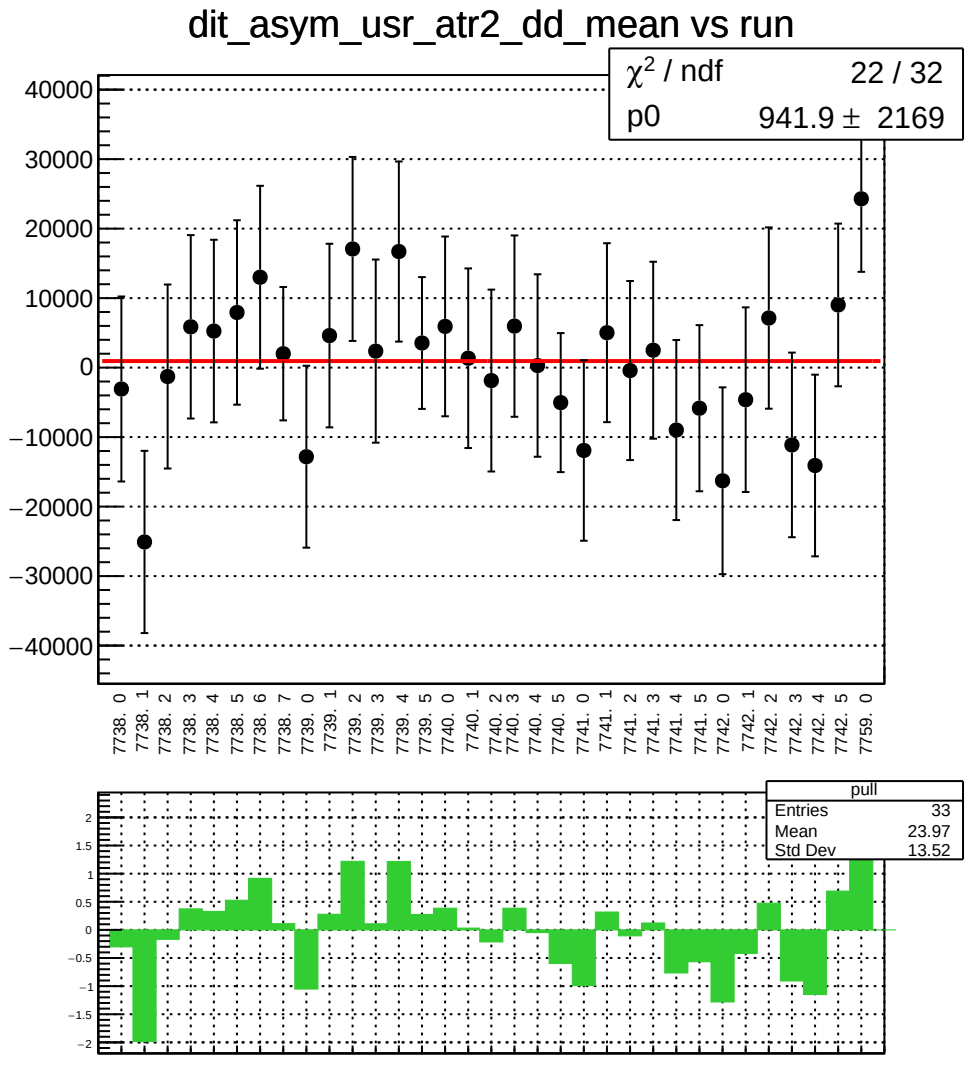

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 17.9 / 32
p0 644 ± 2145
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 25.11
Std Dev 10.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01531
Std Dev 0.7363
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

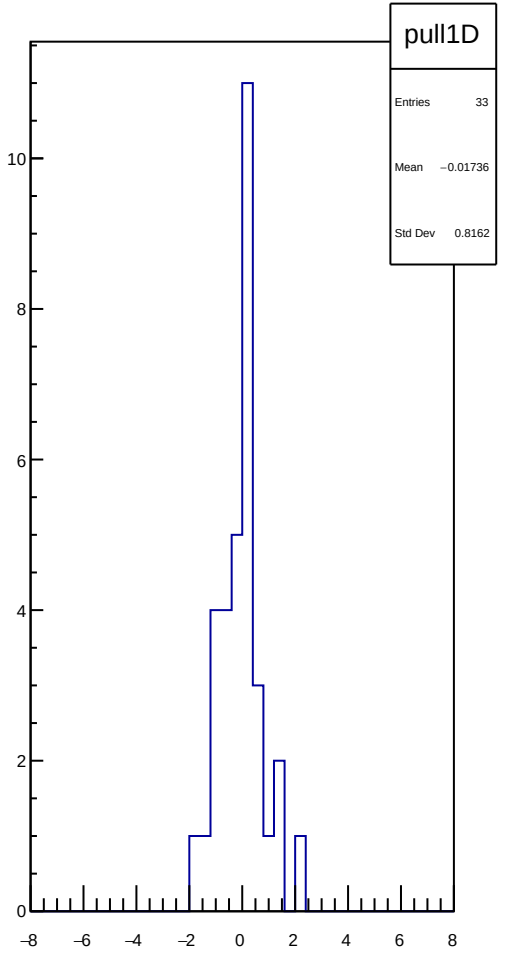

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 409.6 / 32
p0 1234 ± 1.516
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

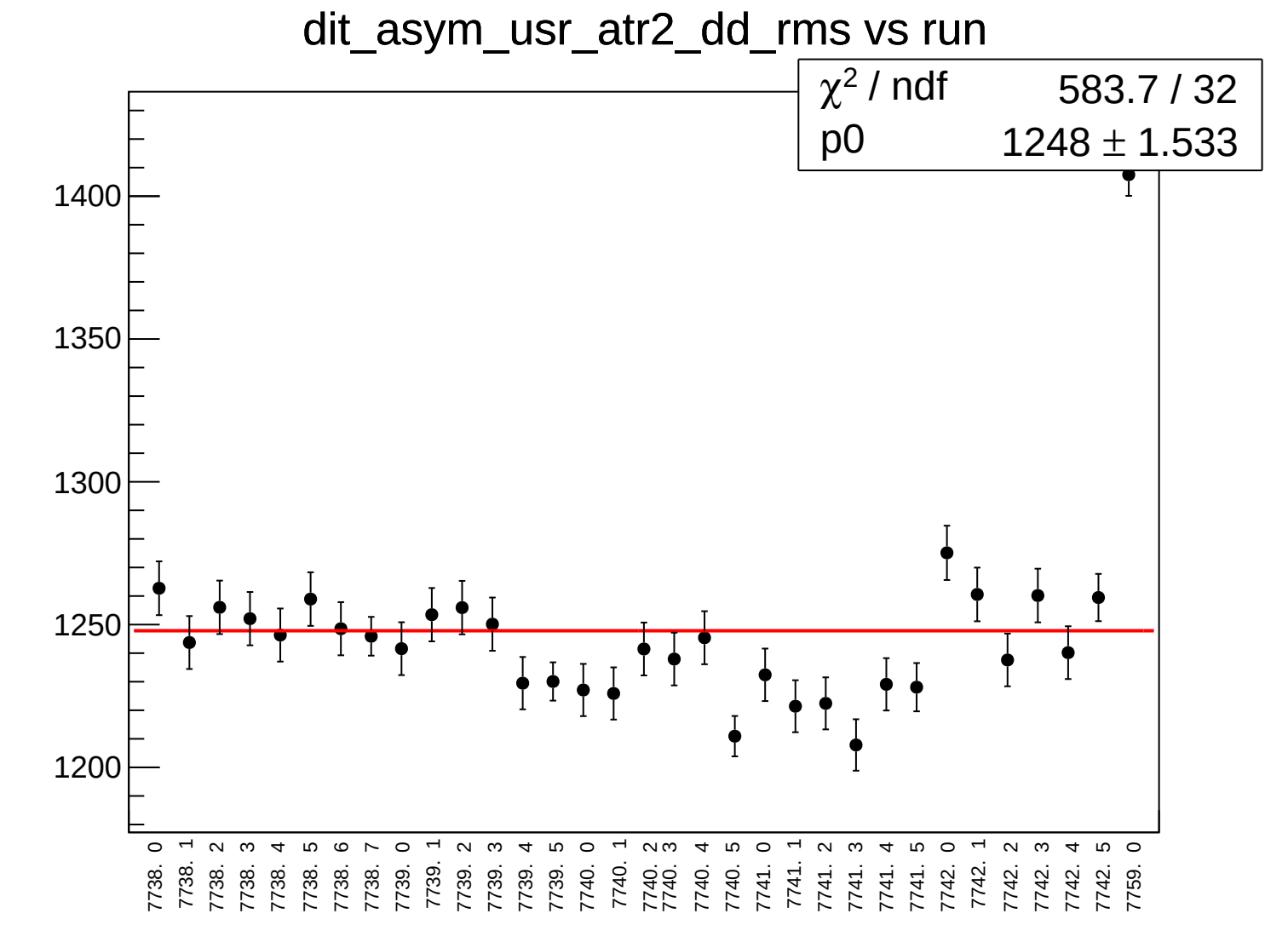

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.73 / 32
p0 1361± 1.062e+04
250
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

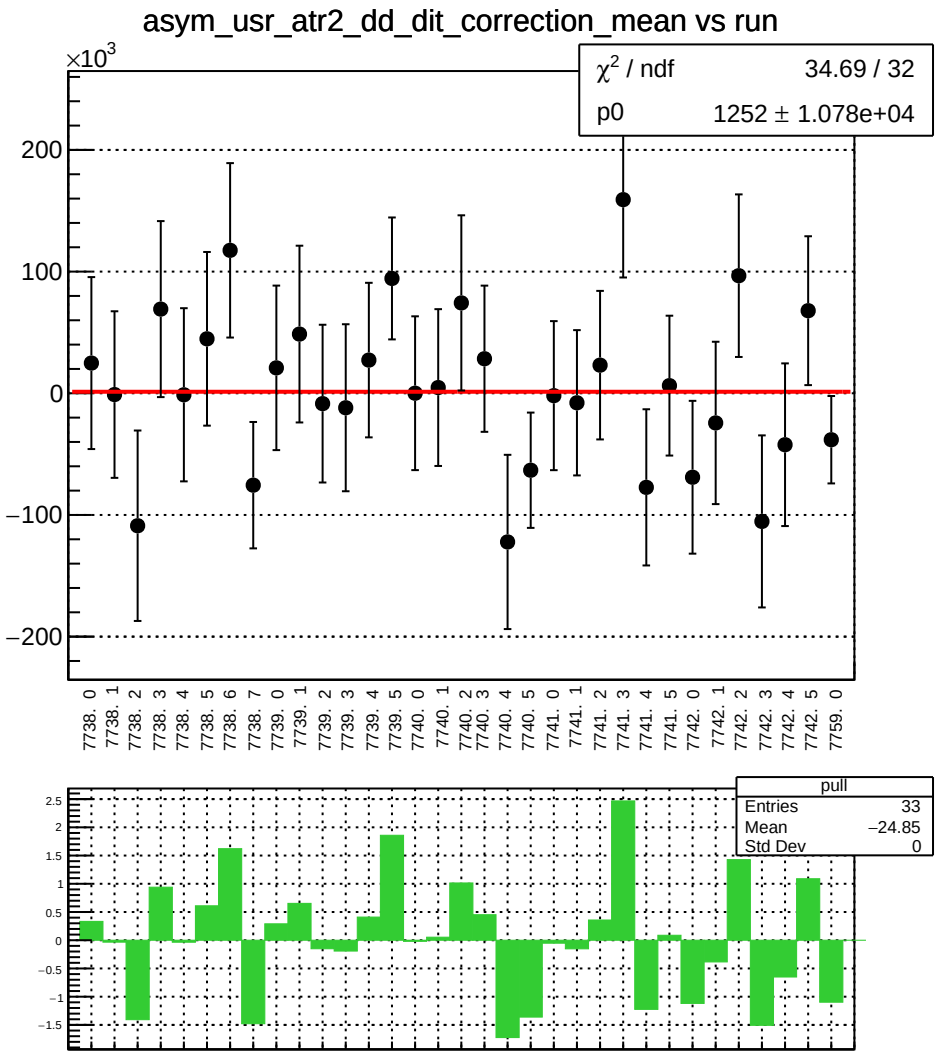

pull1D
Entries 33
Mean 0.02907
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

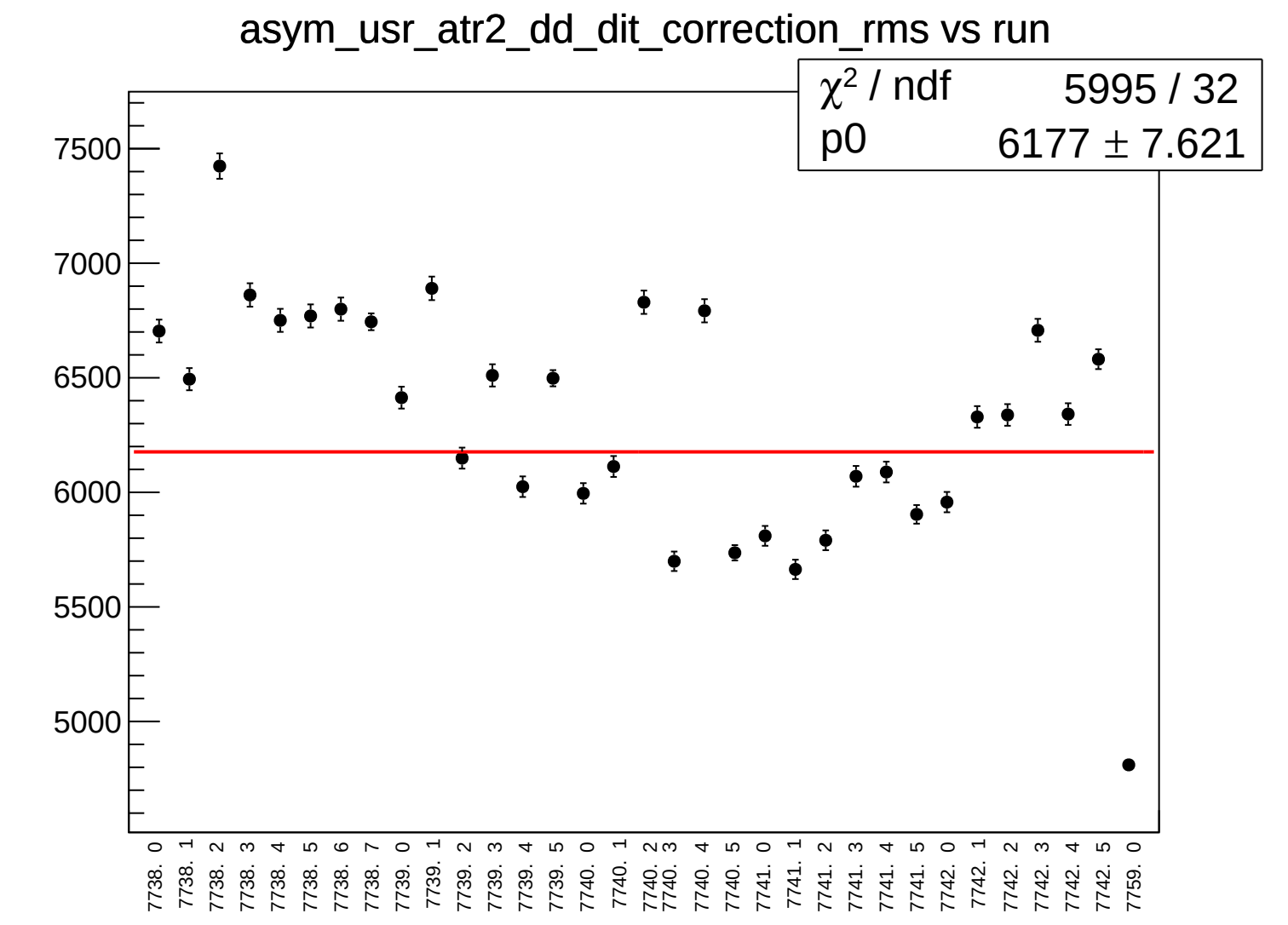

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4043 / 32
p0 6097 ± 7.512
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

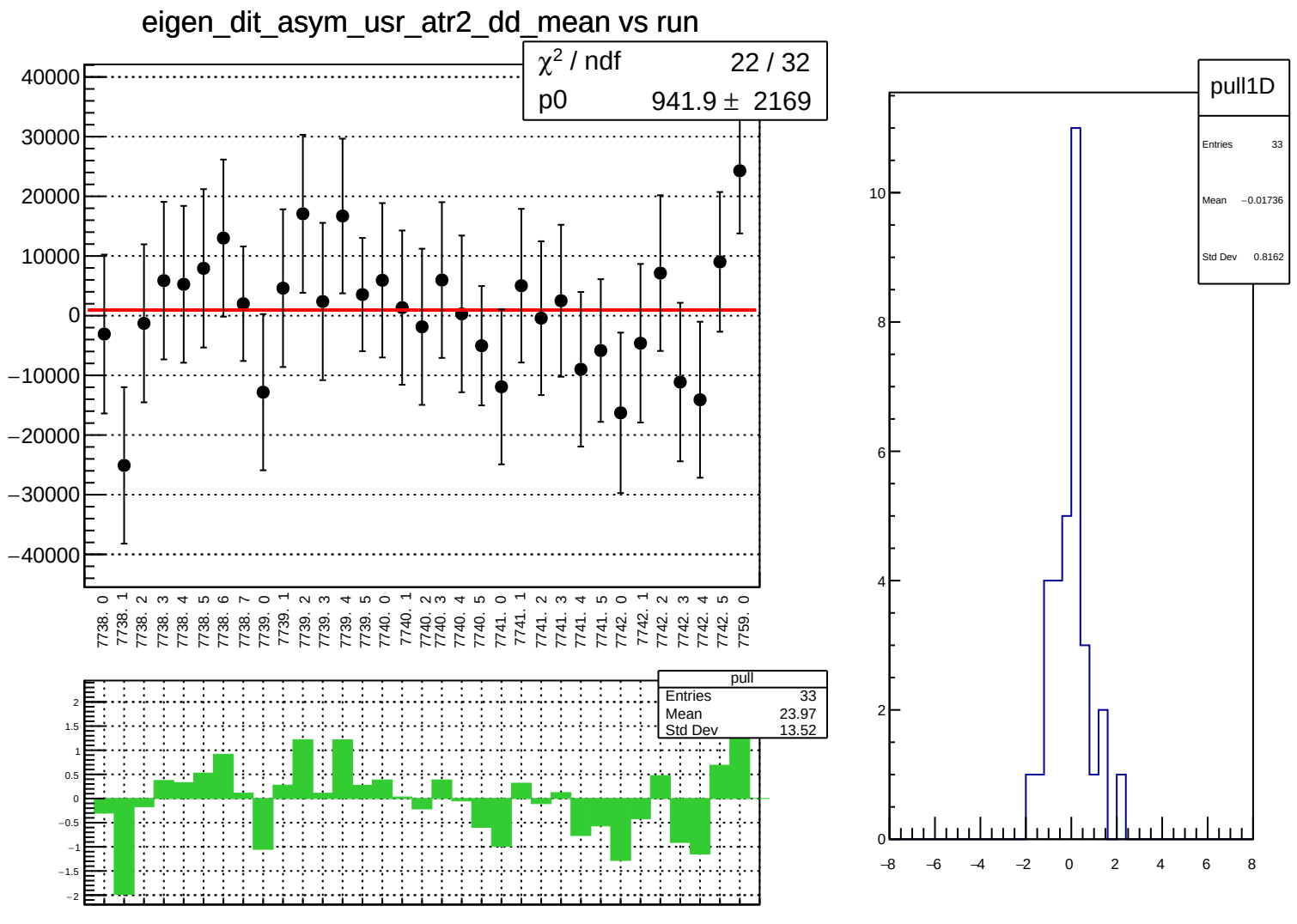

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 22 / 32
p0 941.9 ± 2169
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 23.97
Std Dev 13.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

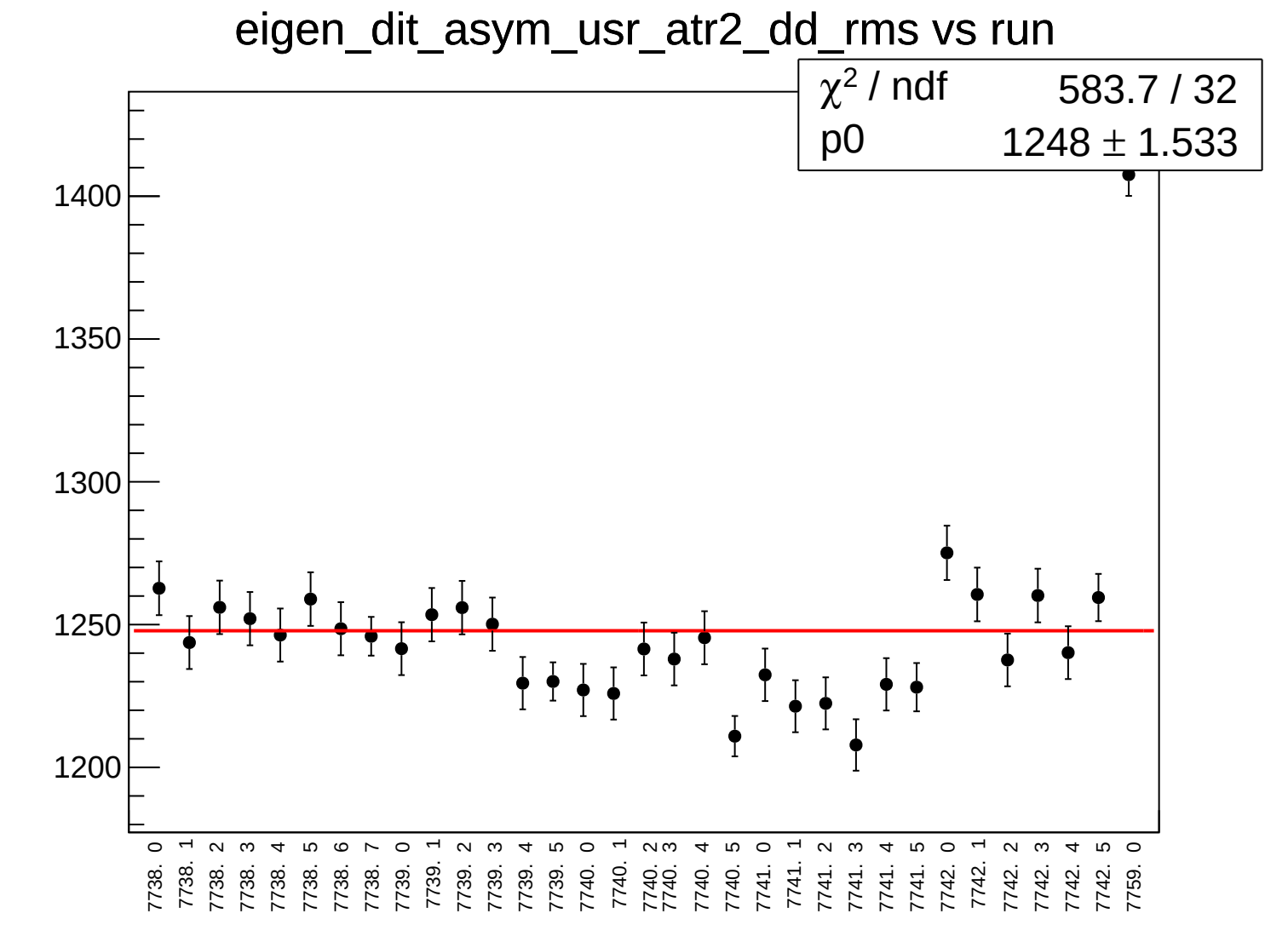

pull1D
Entries 33
Mean −0.01736
Std Dev 0.8162
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

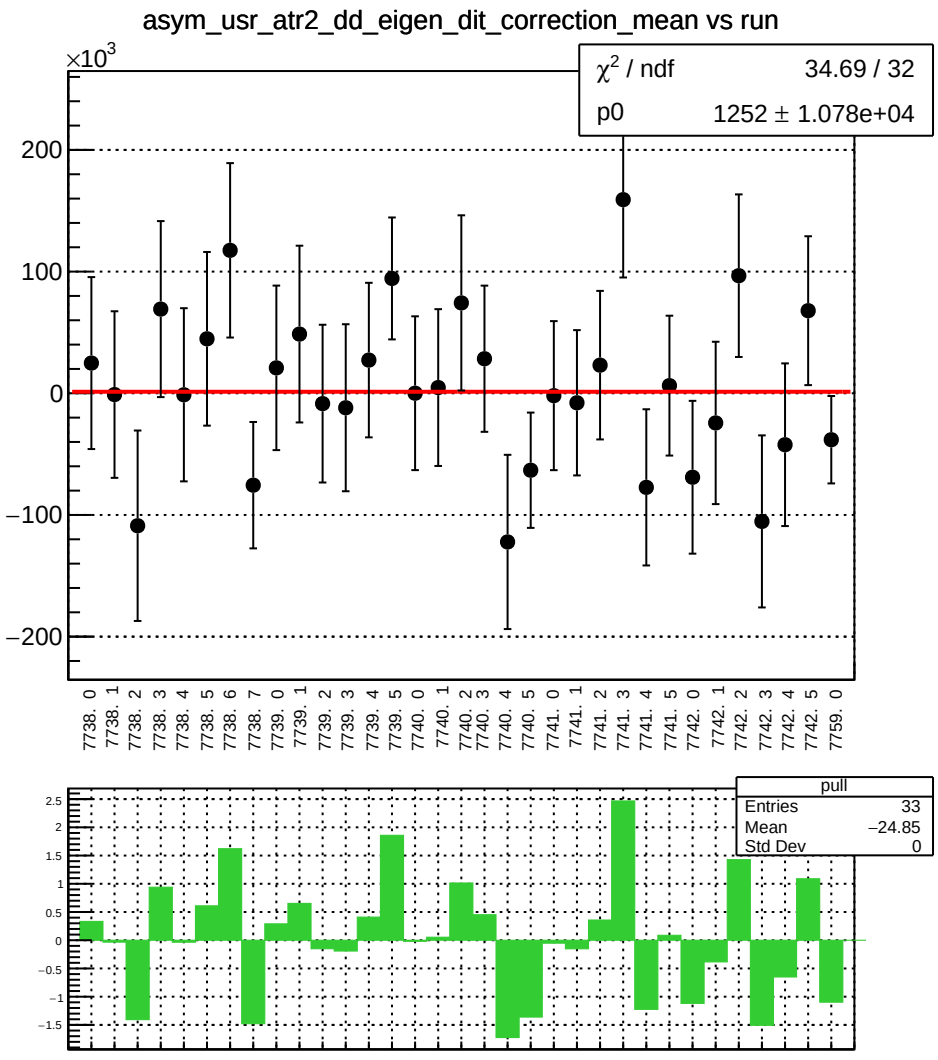

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 583.7 / 32
p0 1248 ± 1.533
1400
1350
1300
1250
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

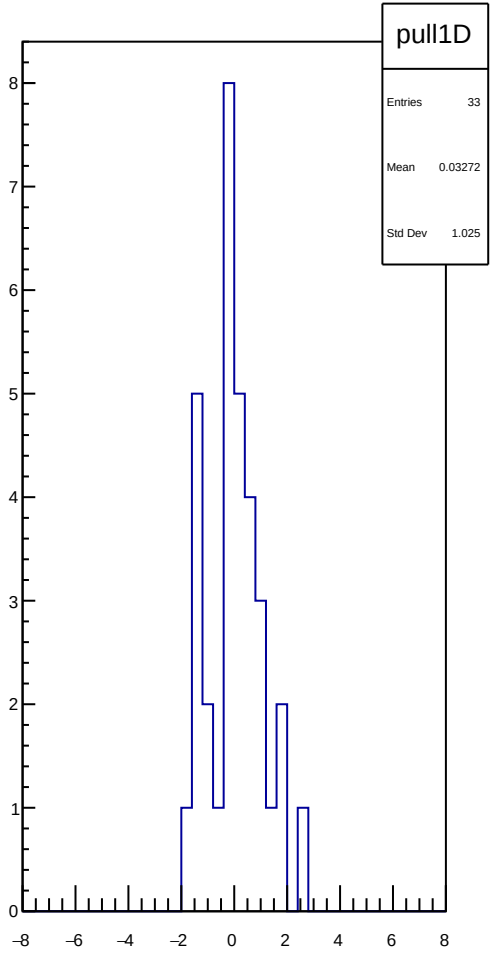

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.69 / 32
p0 1252 ± 1.078e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.85
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.03272
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

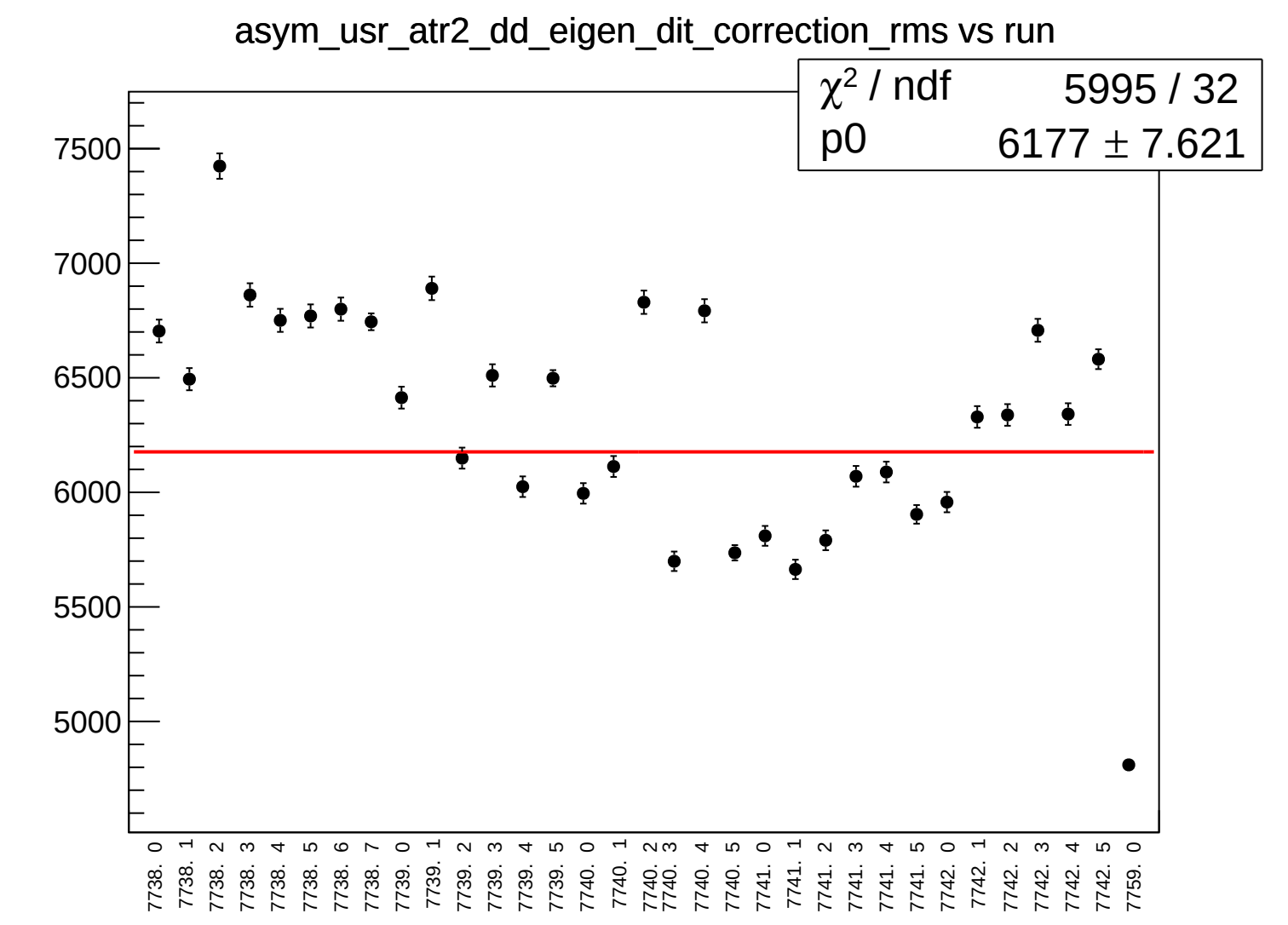

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 5995 / 32
p0 6177 ± 7.621
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

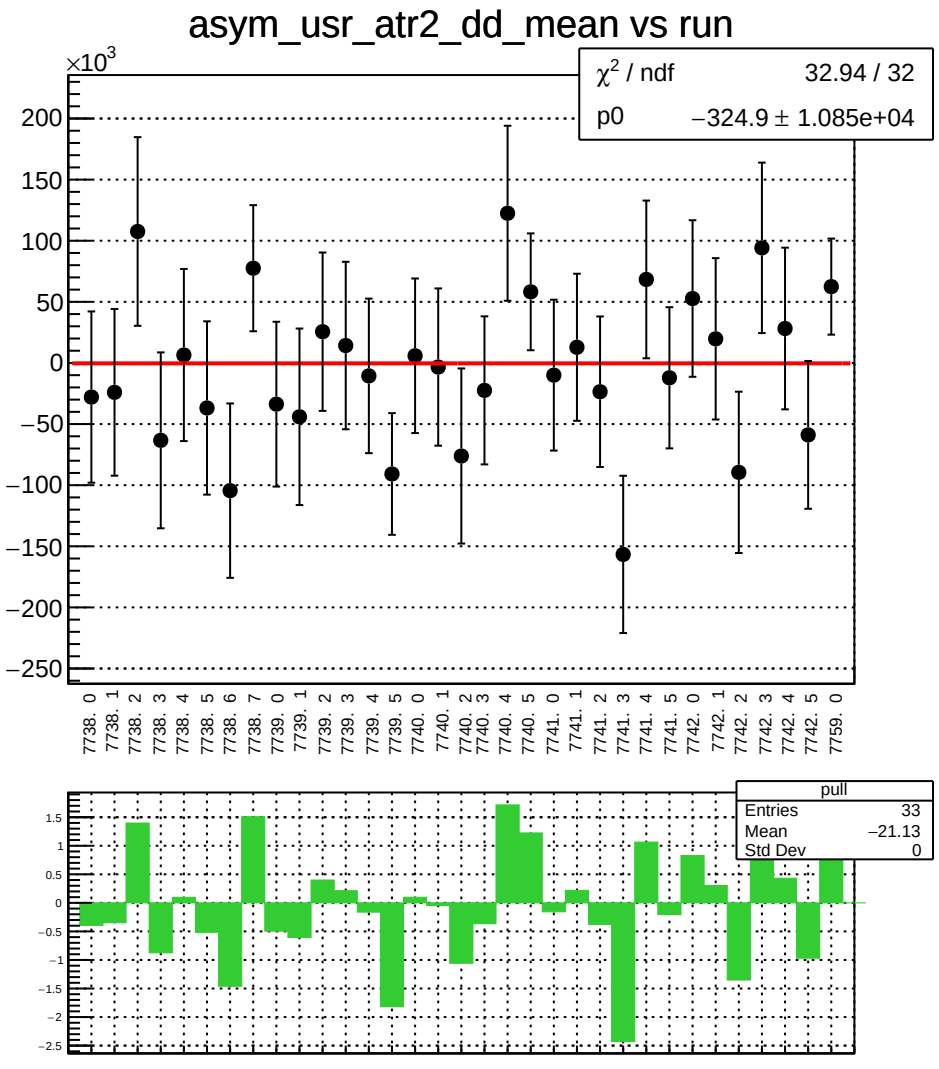

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 22 / 32
p0 941.9 ± 2169
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 23.97
Std Dev 13.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01736
Std Dev 0.8162
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

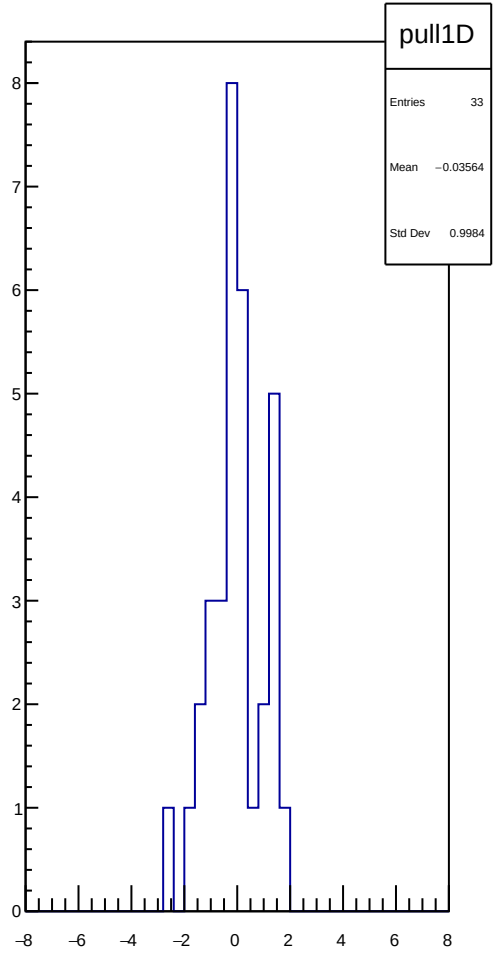

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 583.7 / 32
p0 1248 ± 1.533
1400
1350
1300
1250
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

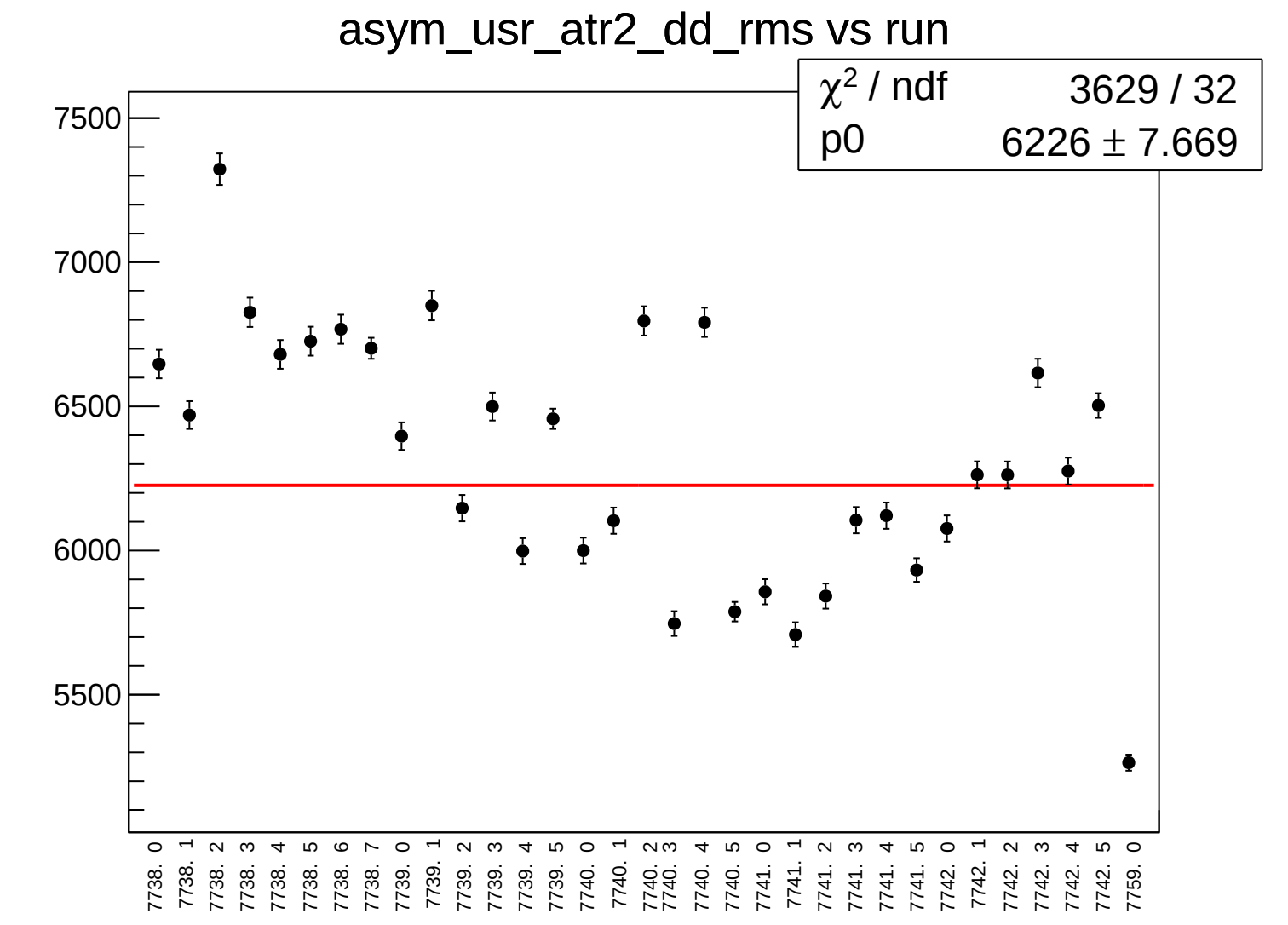

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.69 / 32
p0 1252 ± 1.078e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.85
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

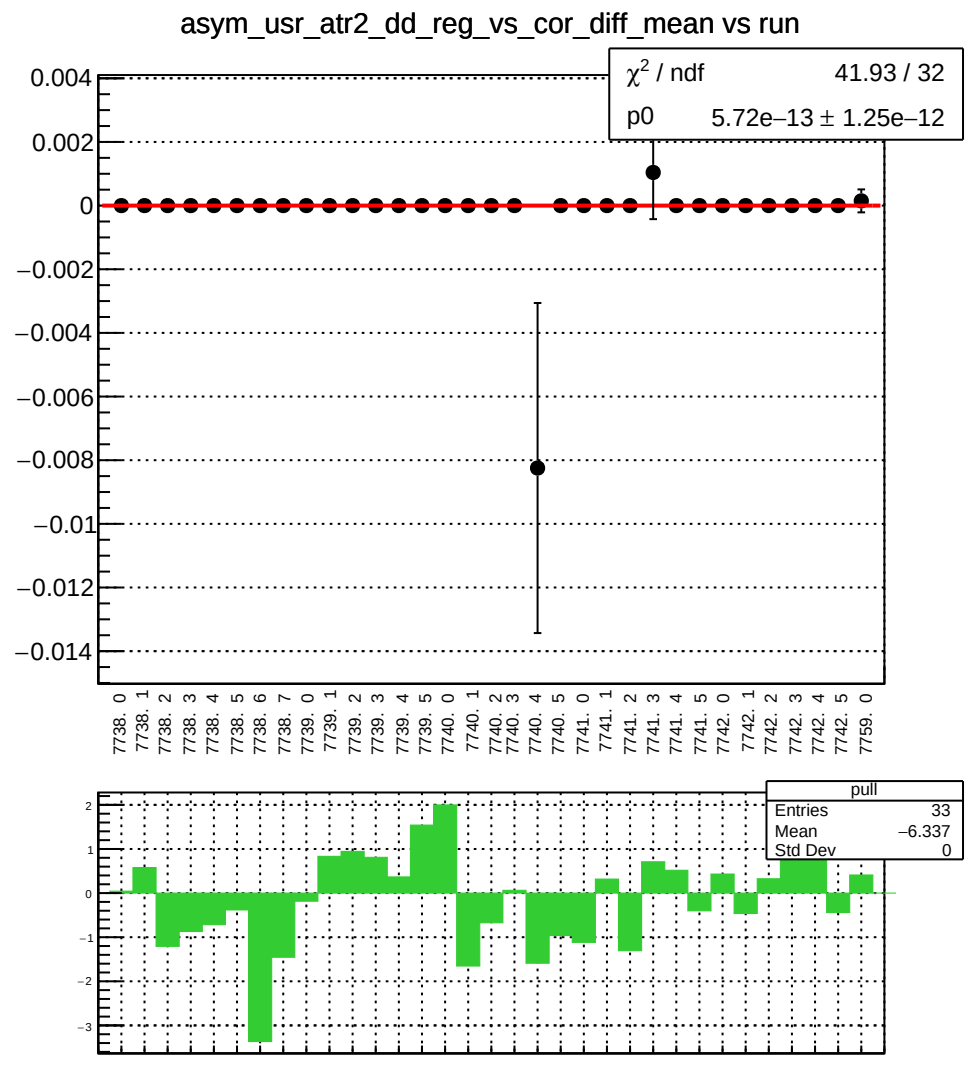

pull1D
Entries 33
Mean 0.03272
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

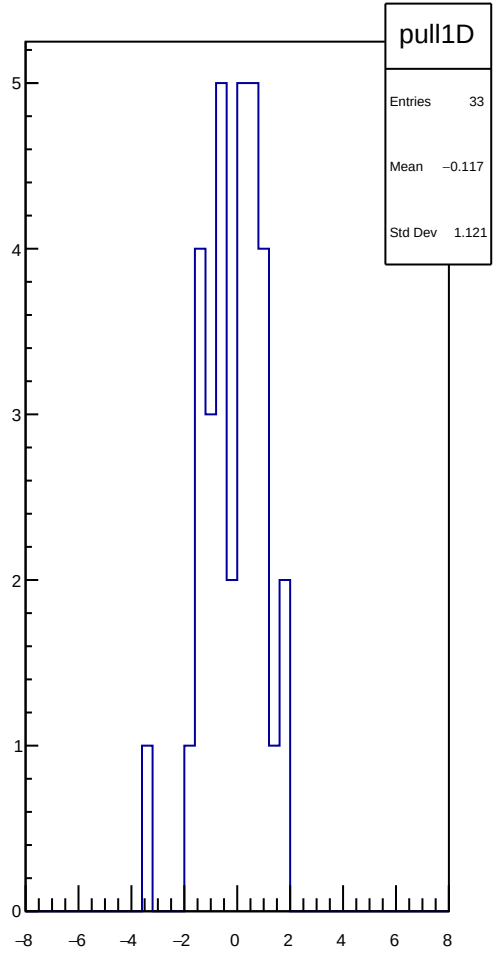

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5995 / 32
p0 6177 ± 7.621
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

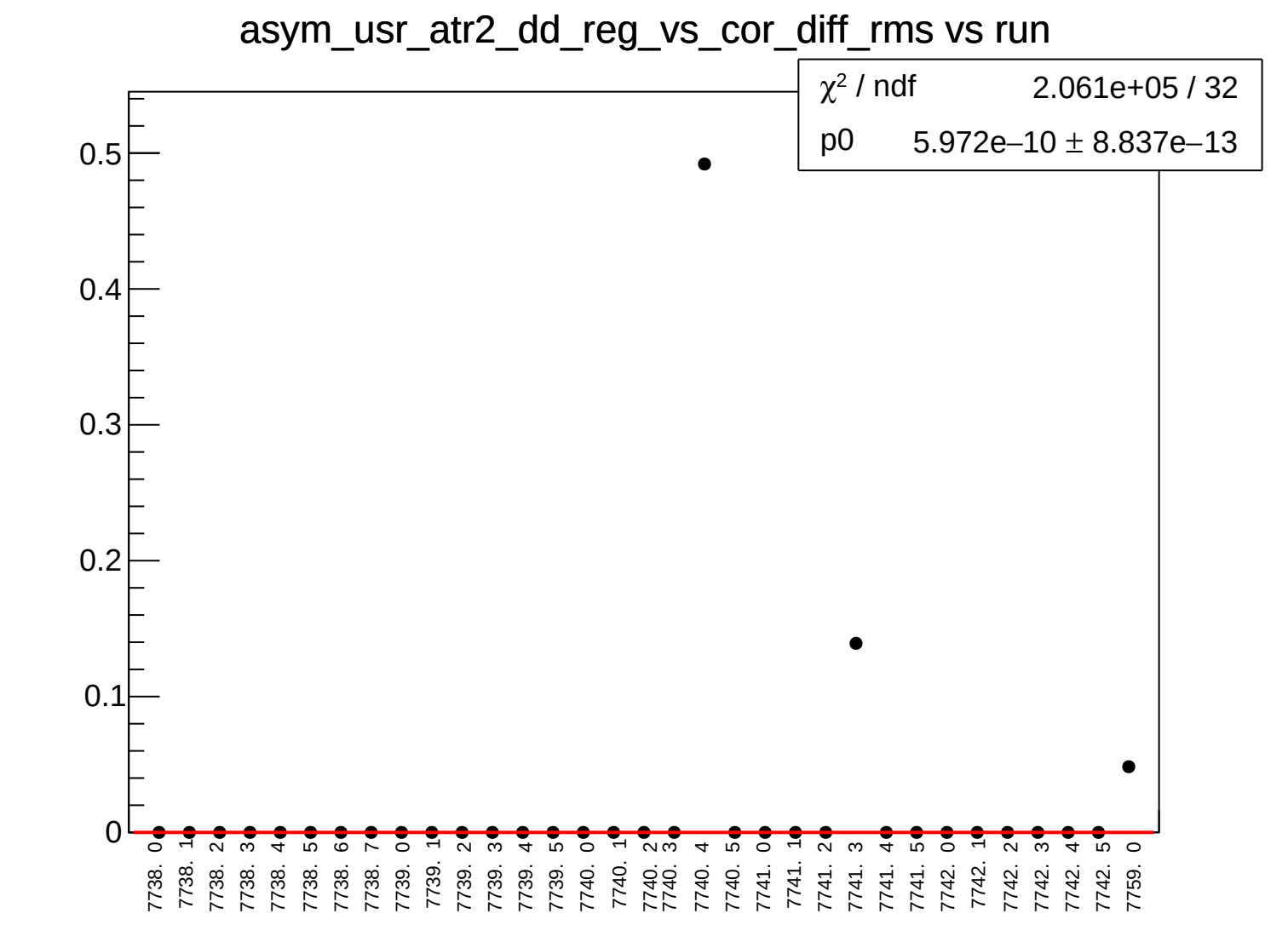

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 32.94 / 32
p0 −324.9 ± 1.085e+04
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.13
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

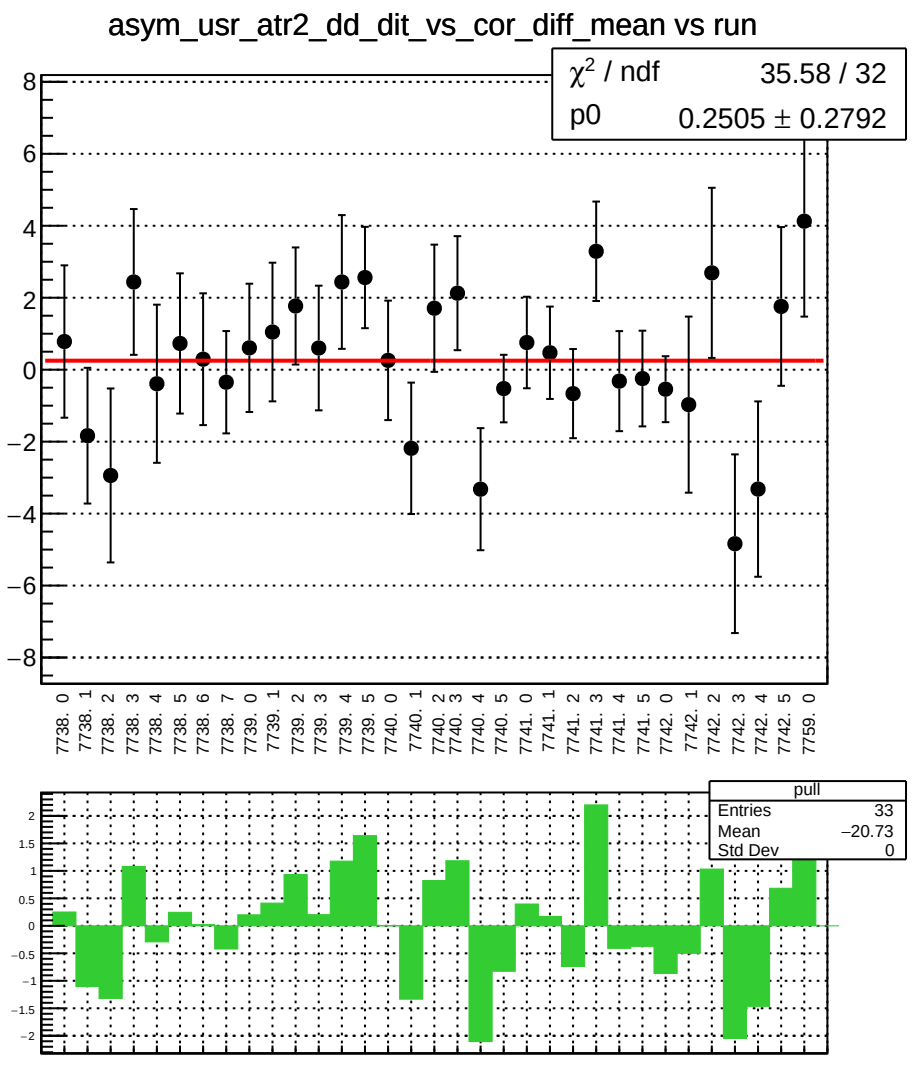

pull1D
Entries 33
Mean −0.03564
Std Dev 0.9984
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

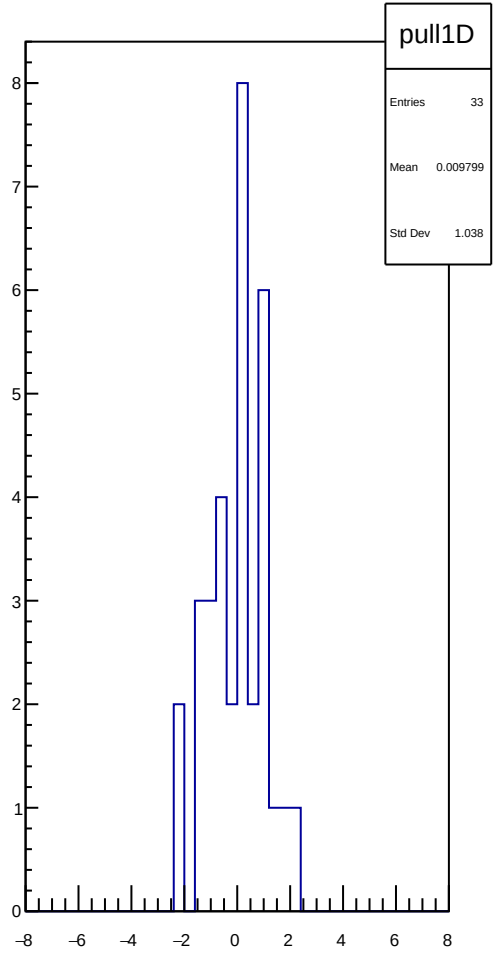

asym_usr_atr2_dd_rms vs run
χ² / ndf 3629 / 32
p0 6226 ± 7.669
7500
7000
6500
6000
5500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

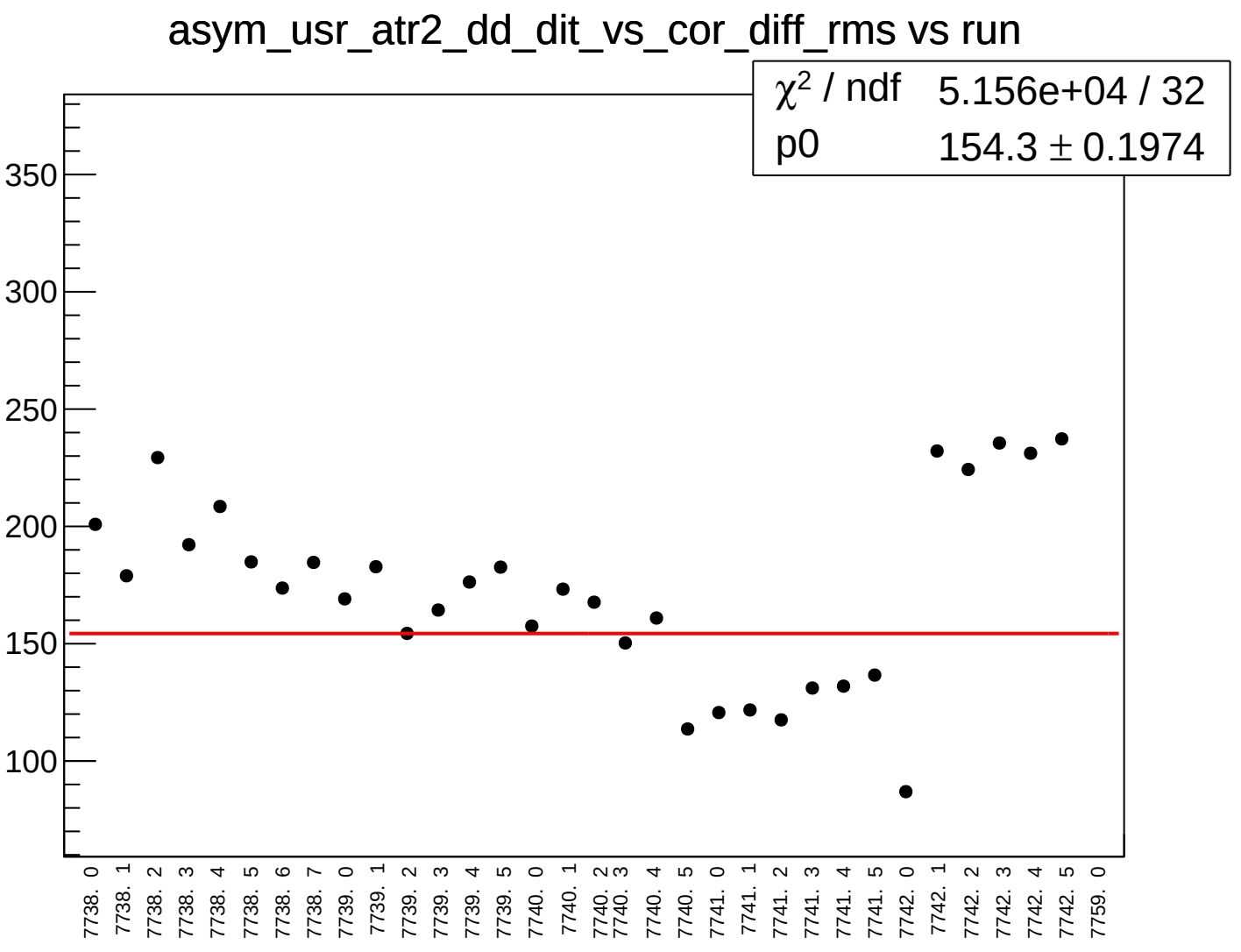

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 41.93 / 32
p0 5.72e−13 ± 1.25e−12
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
−0.014
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.337
Std Dev 0
2
1
0
−1
−2
−3

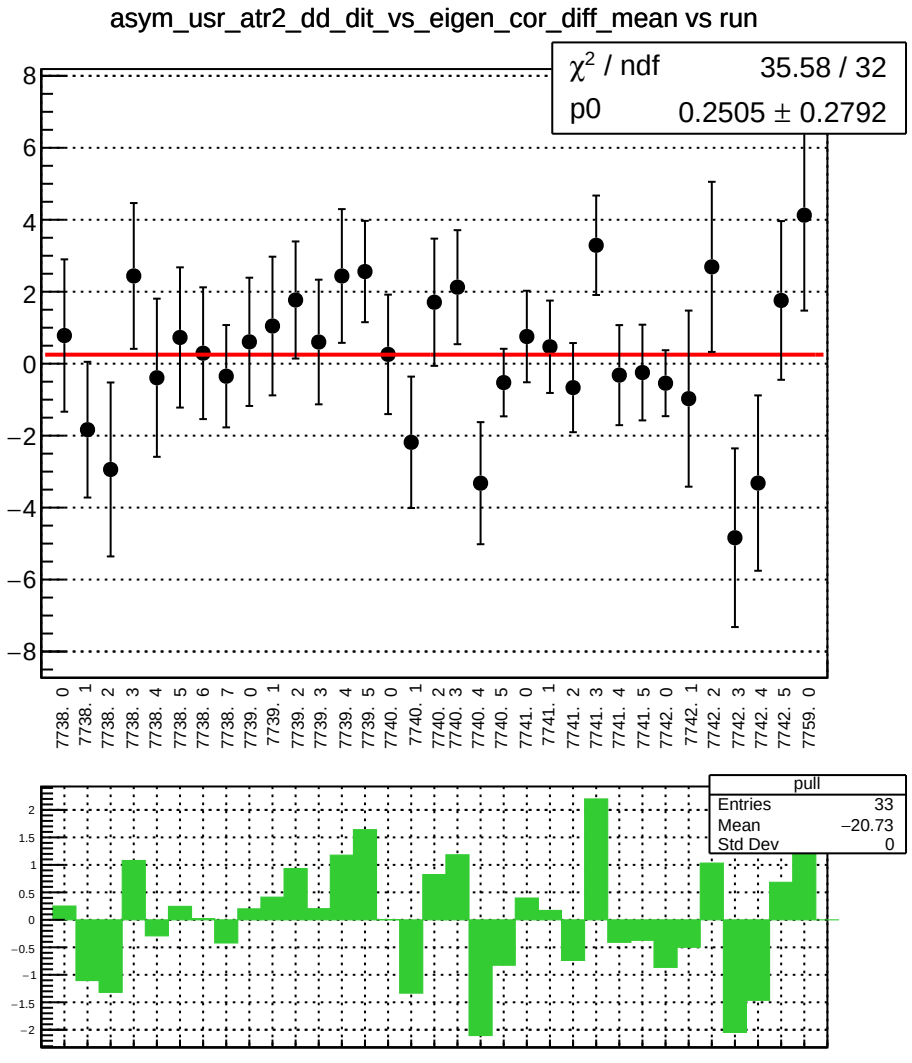

pull1D
Entries 33
Mean −0.117
Std Dev 1.121
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

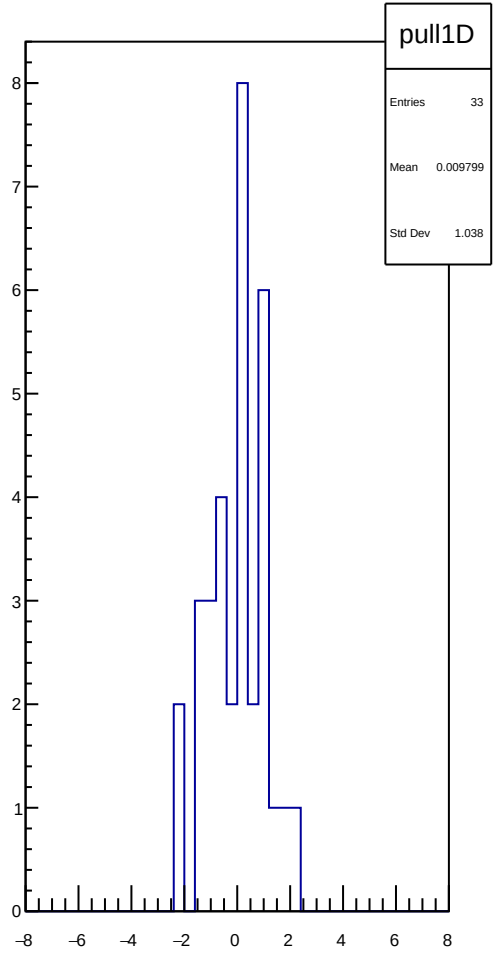

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.061e+05 / 32
p0 5.972e−10 ± 8.837e−13
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

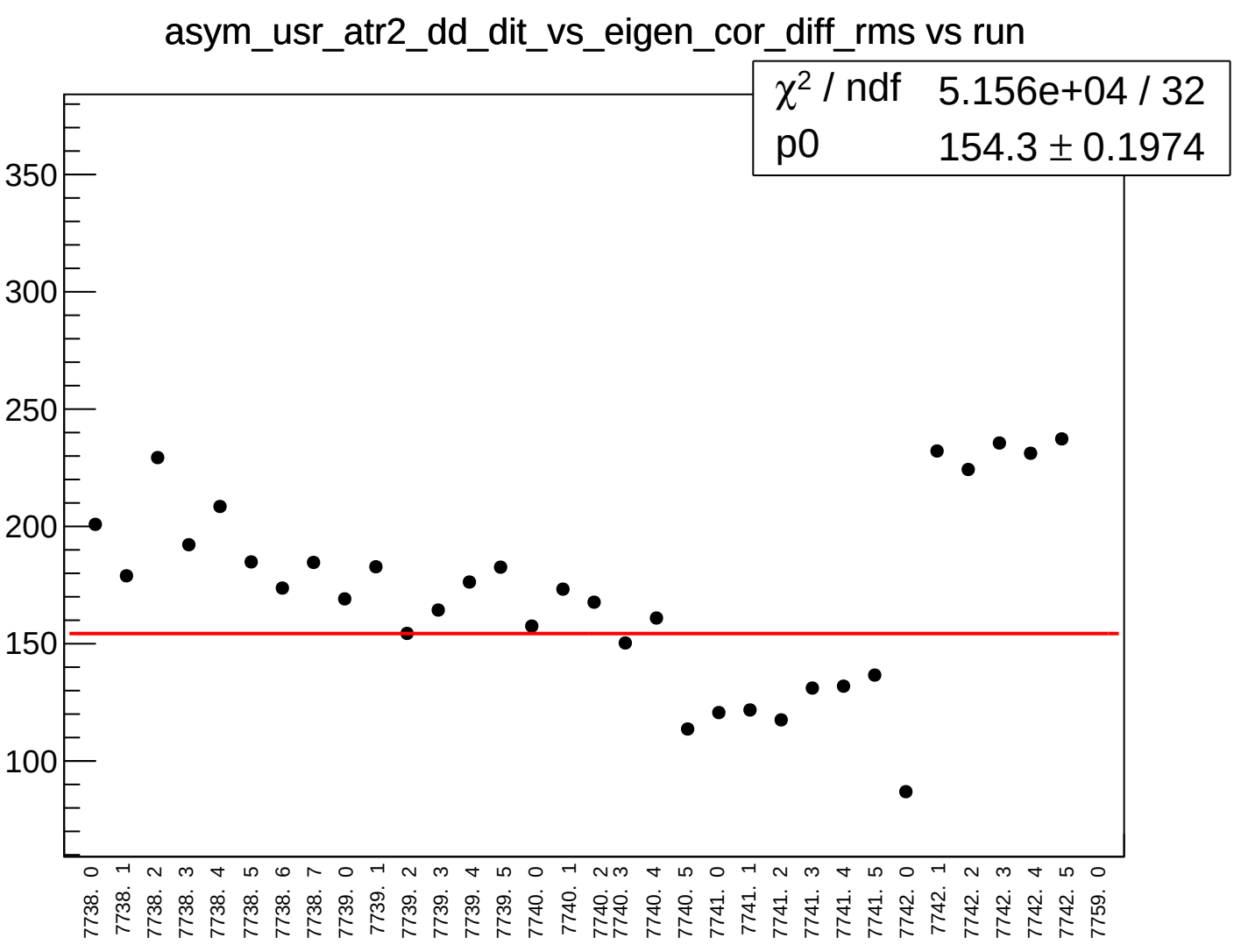

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.58 / 32
p0 0.2505 ± 0.2792
pull
Entries 33
Mean −20.73
Std Dev 0

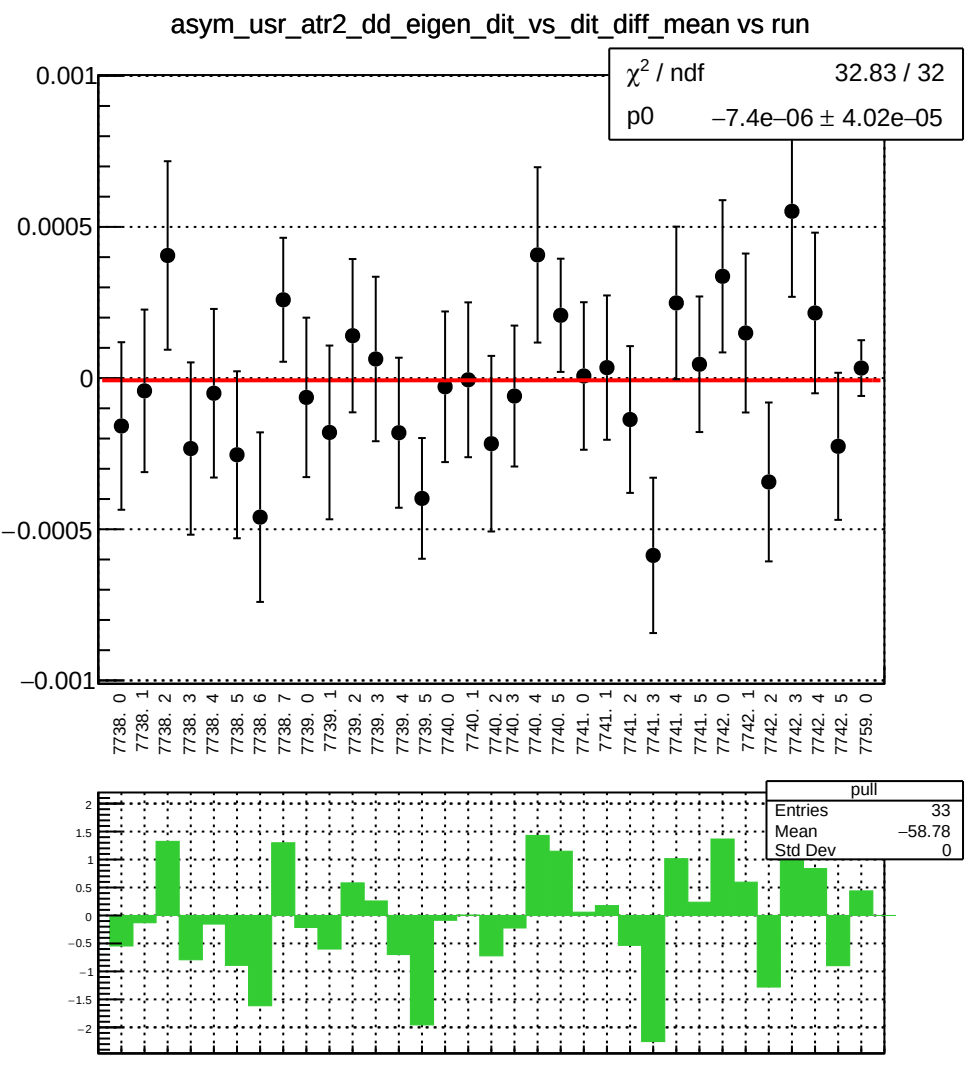

pull1D
Entries 33
Mean 0.009799
Std Dev 1.038

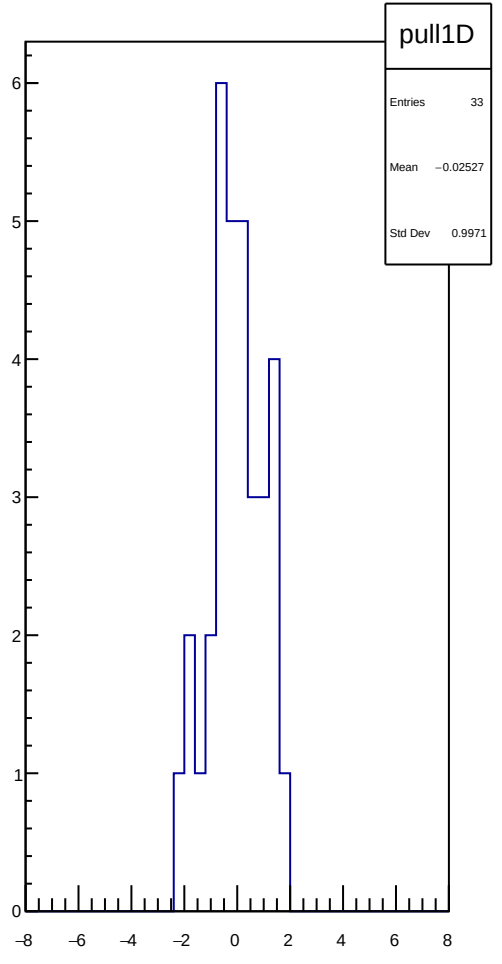

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.156e+04 / 32
p0 154.3 ± 0.1974
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

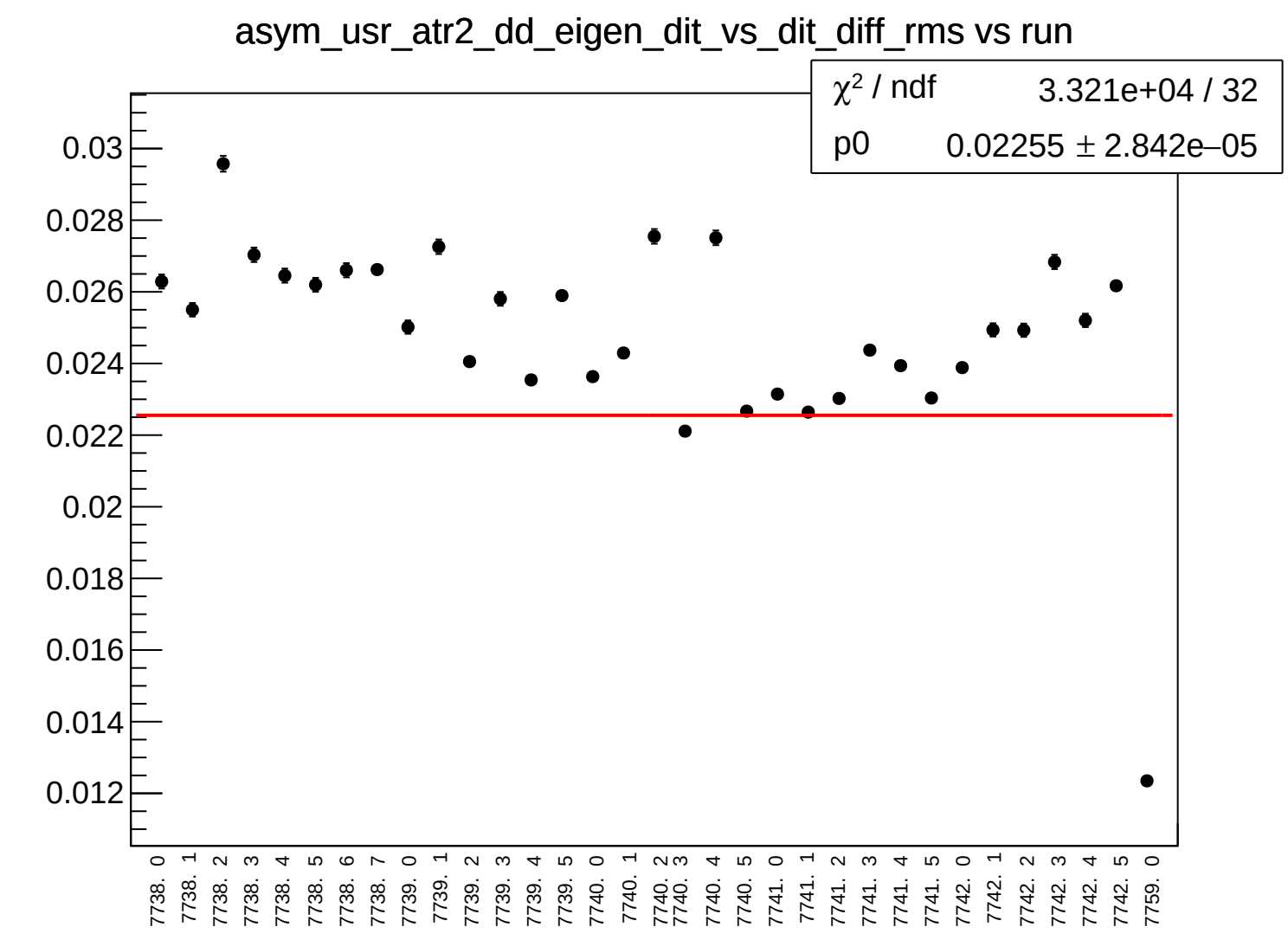

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.58 / 32
p0 0.2505 ± 0.2792
8
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

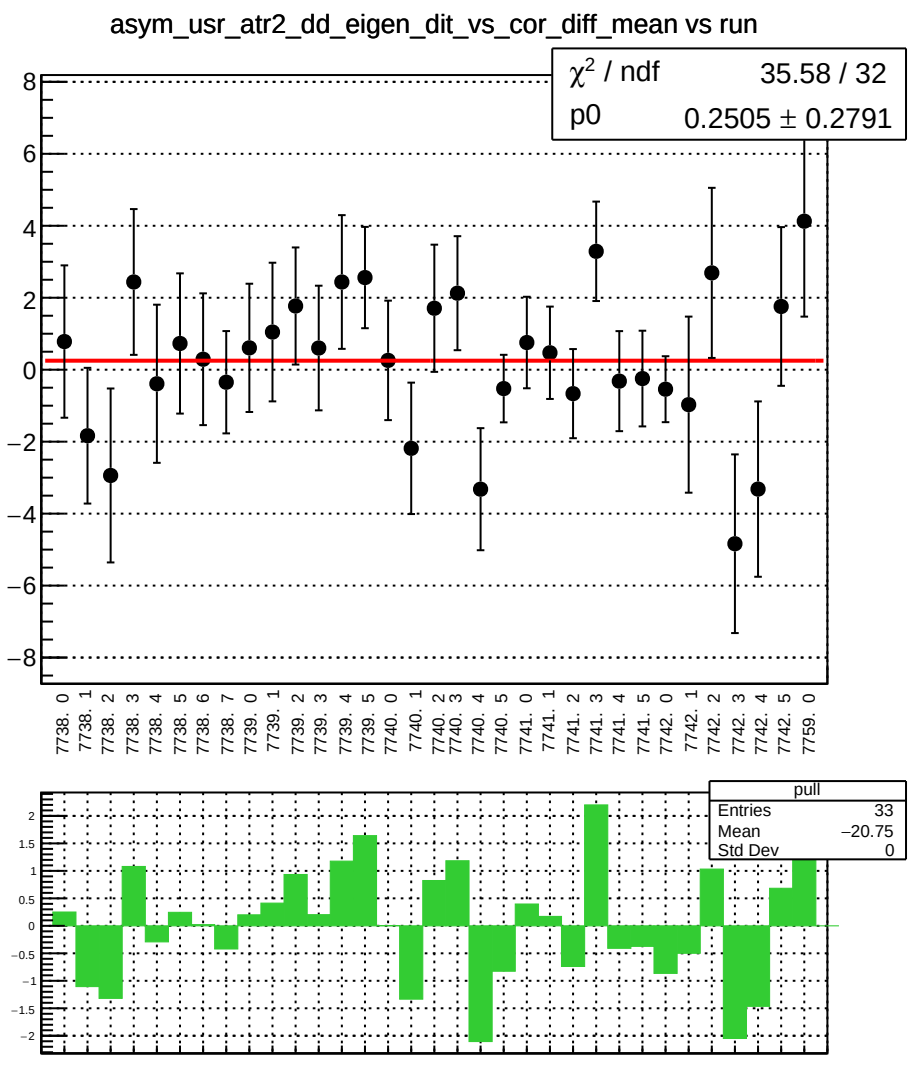

pull1D
Entries 33
Mean 0.009799
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

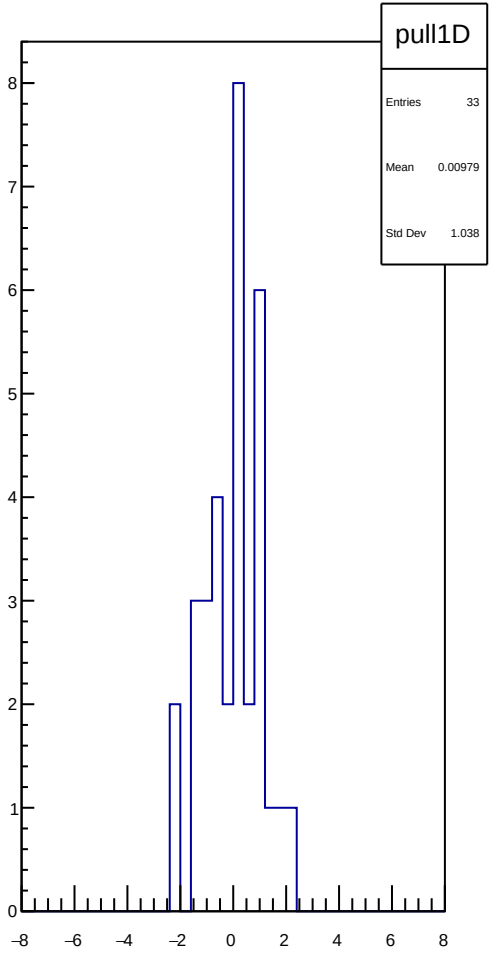

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.156e+04 / 32
p0 154.3 ± 0.1974
350
300
250
200
150
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

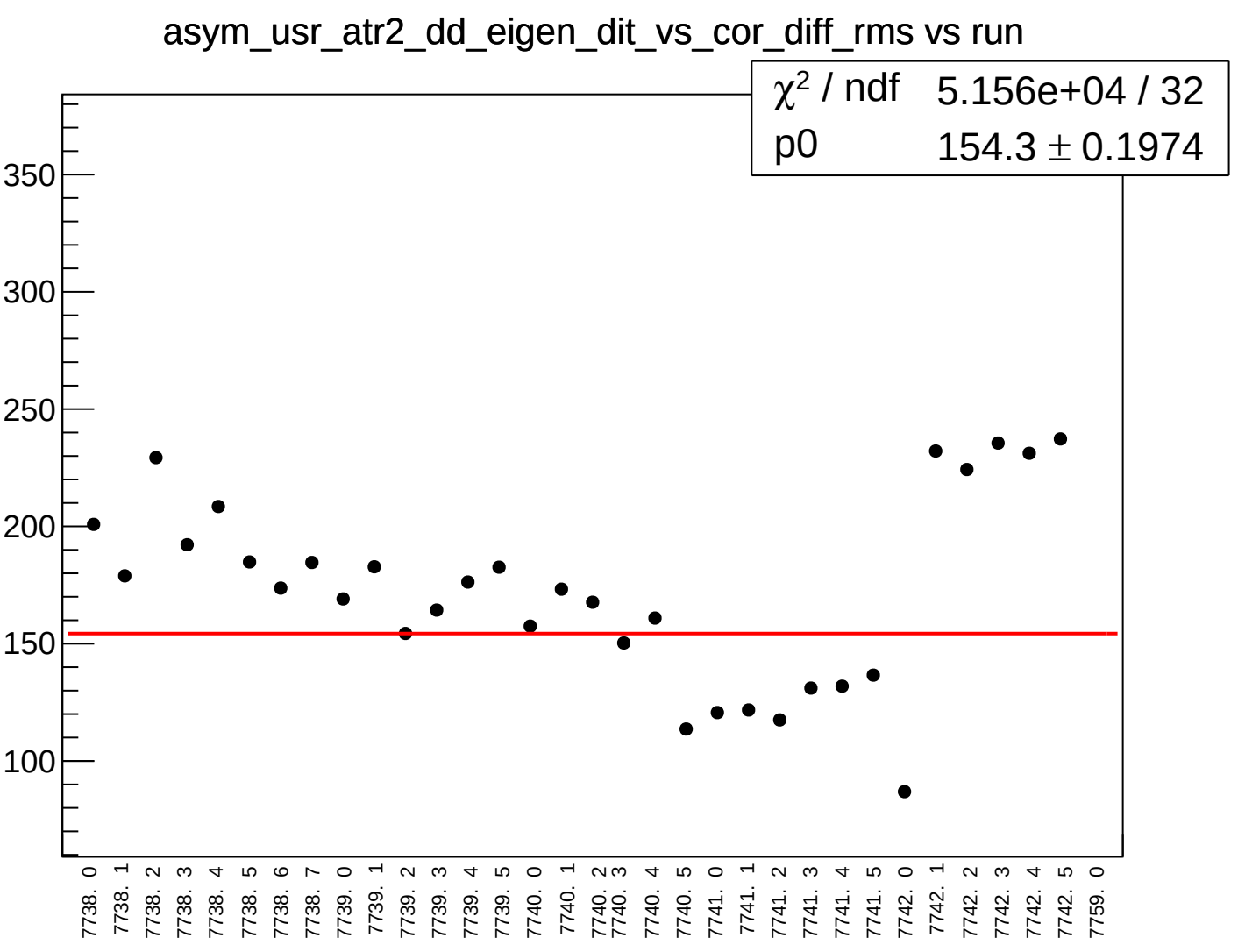

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 32.83 / 32
p0 −7.4e−06 ± 4.02e−05
0.001
0.0005
0
−0.0005
−0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −58.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

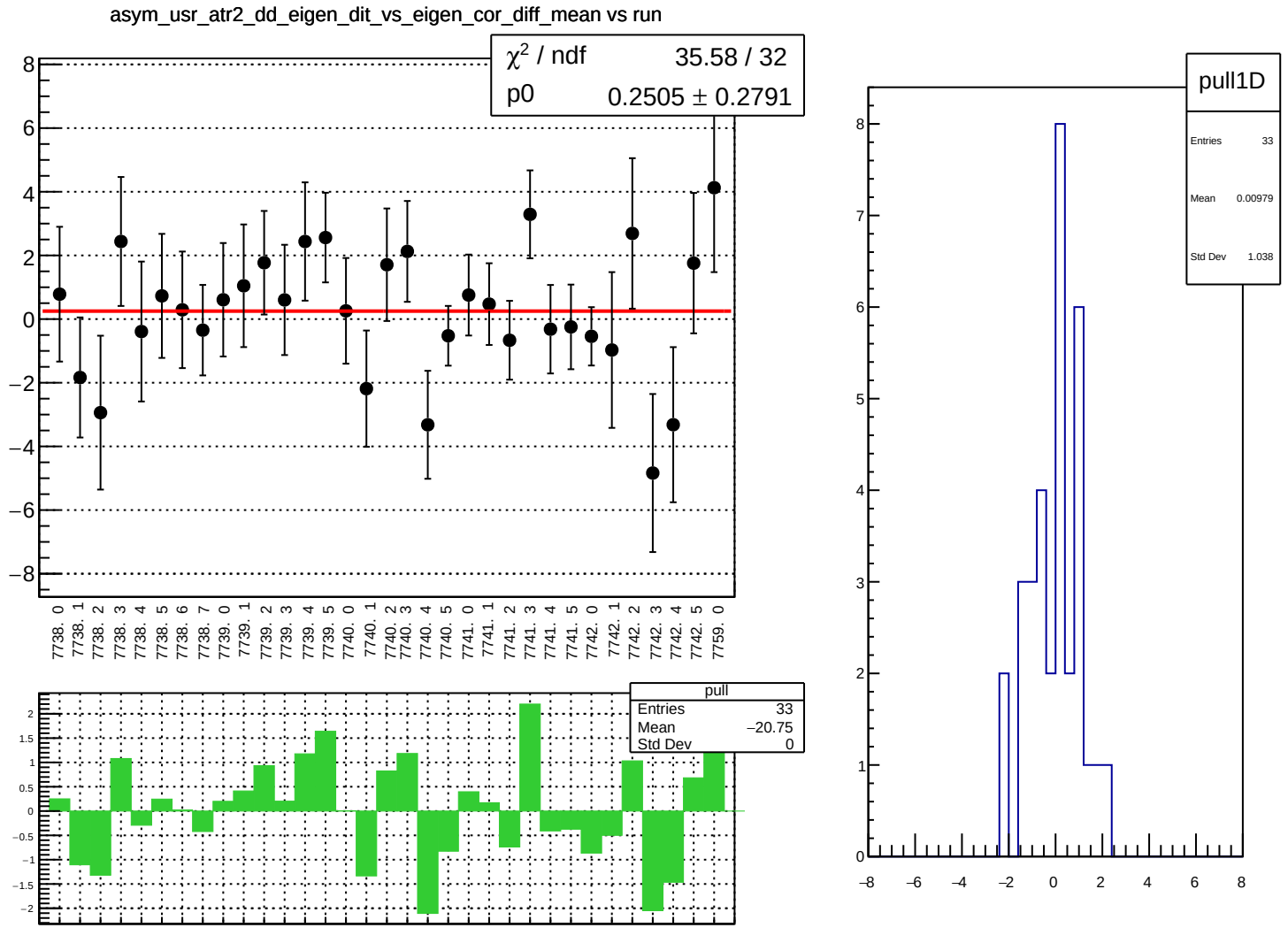

pull1D
Entries 33
Mean −0.02527
Std Dev 0.9971
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

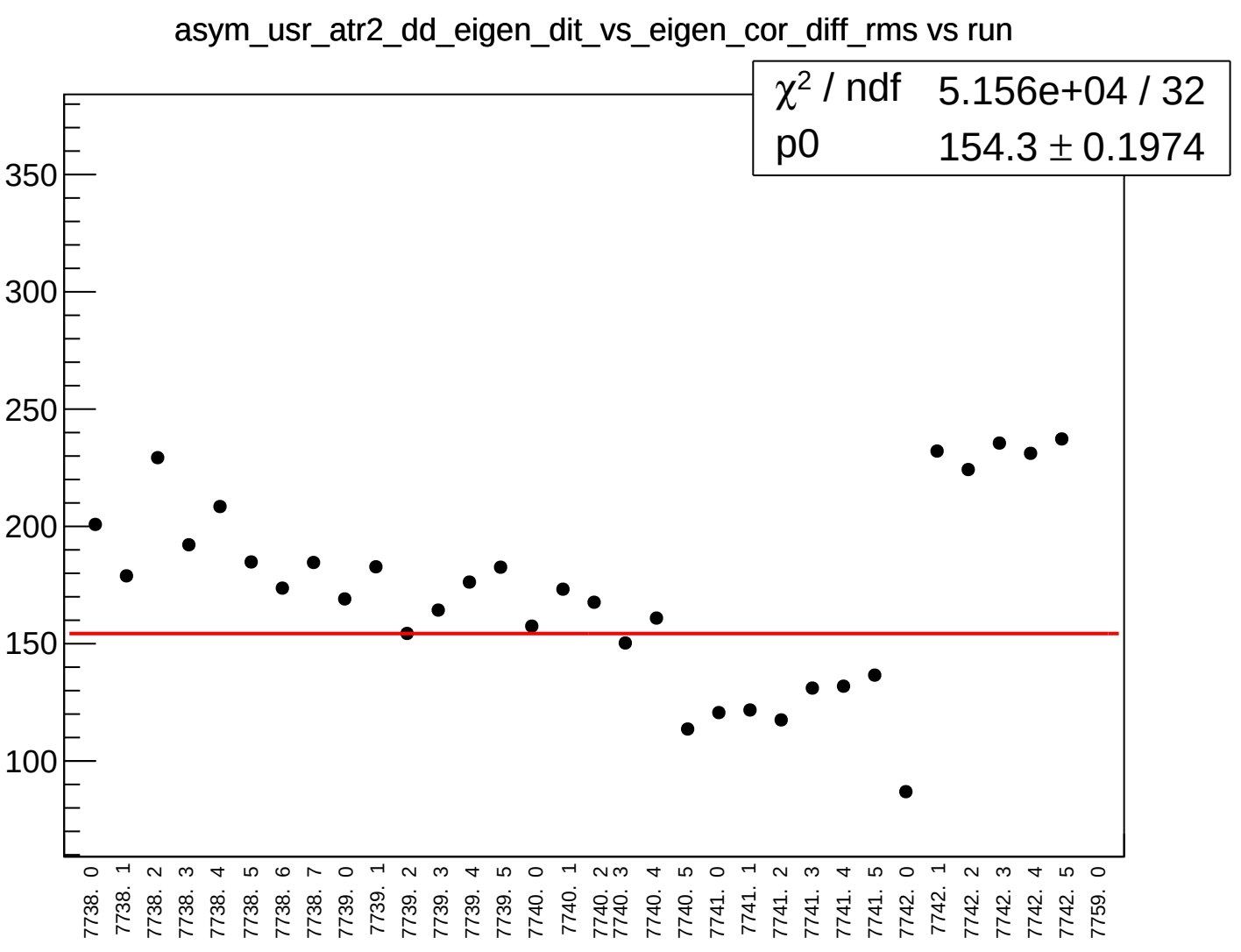

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.321e+04 / 32
p0 0.02255 ± 2.842e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

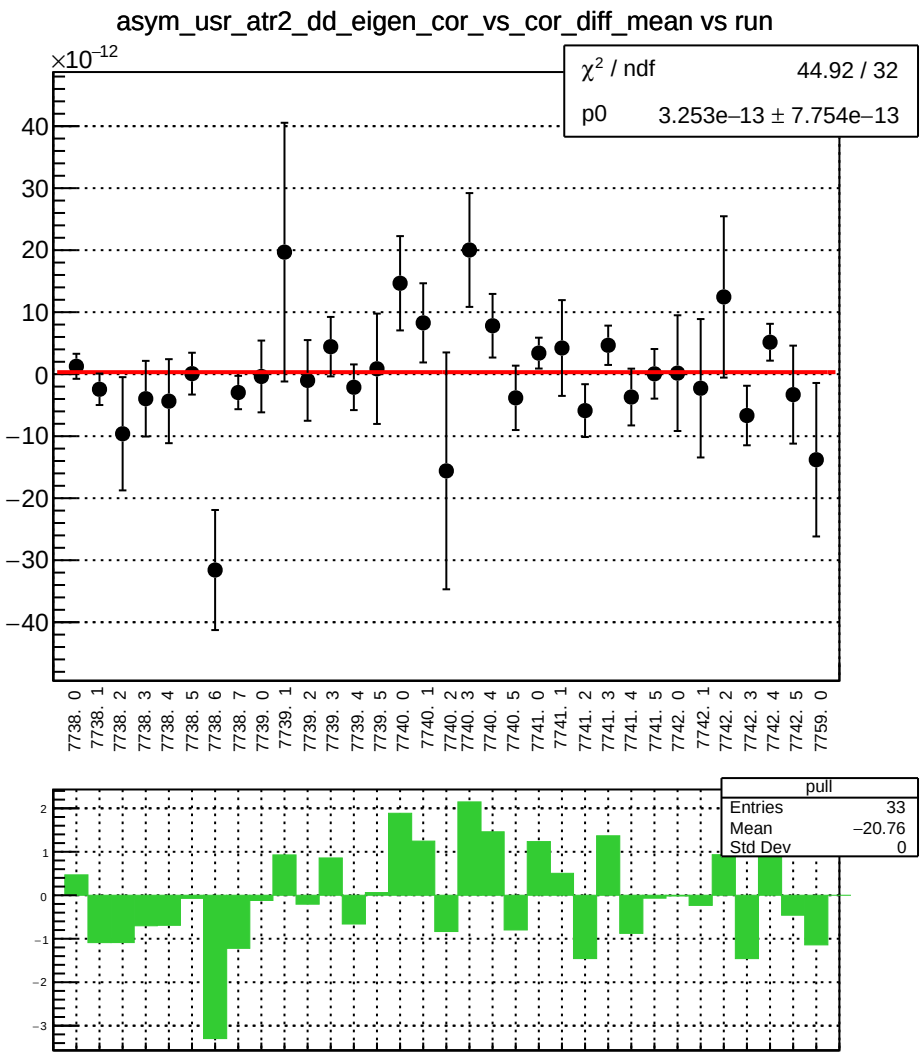

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.58 / 32
p0 0.2505 ± 0.2791
8
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

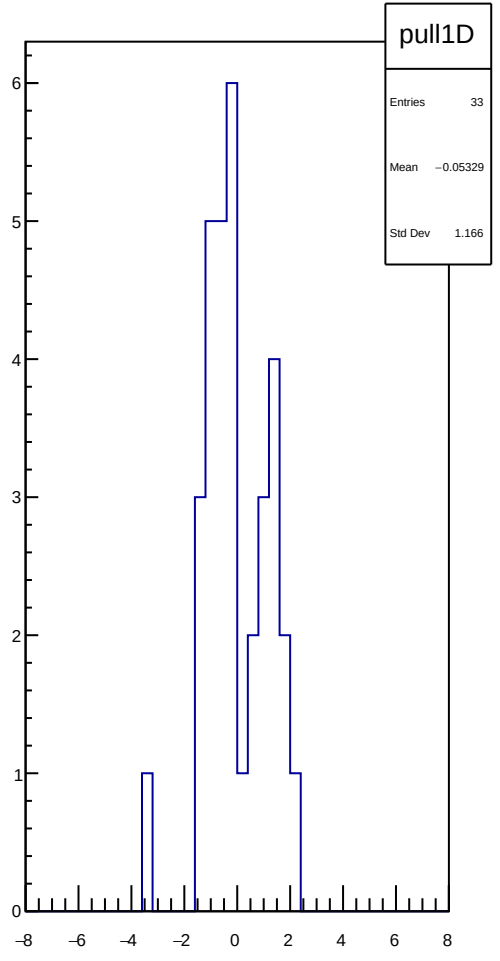

pull1D
Entries 33
Mean 0.00979
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

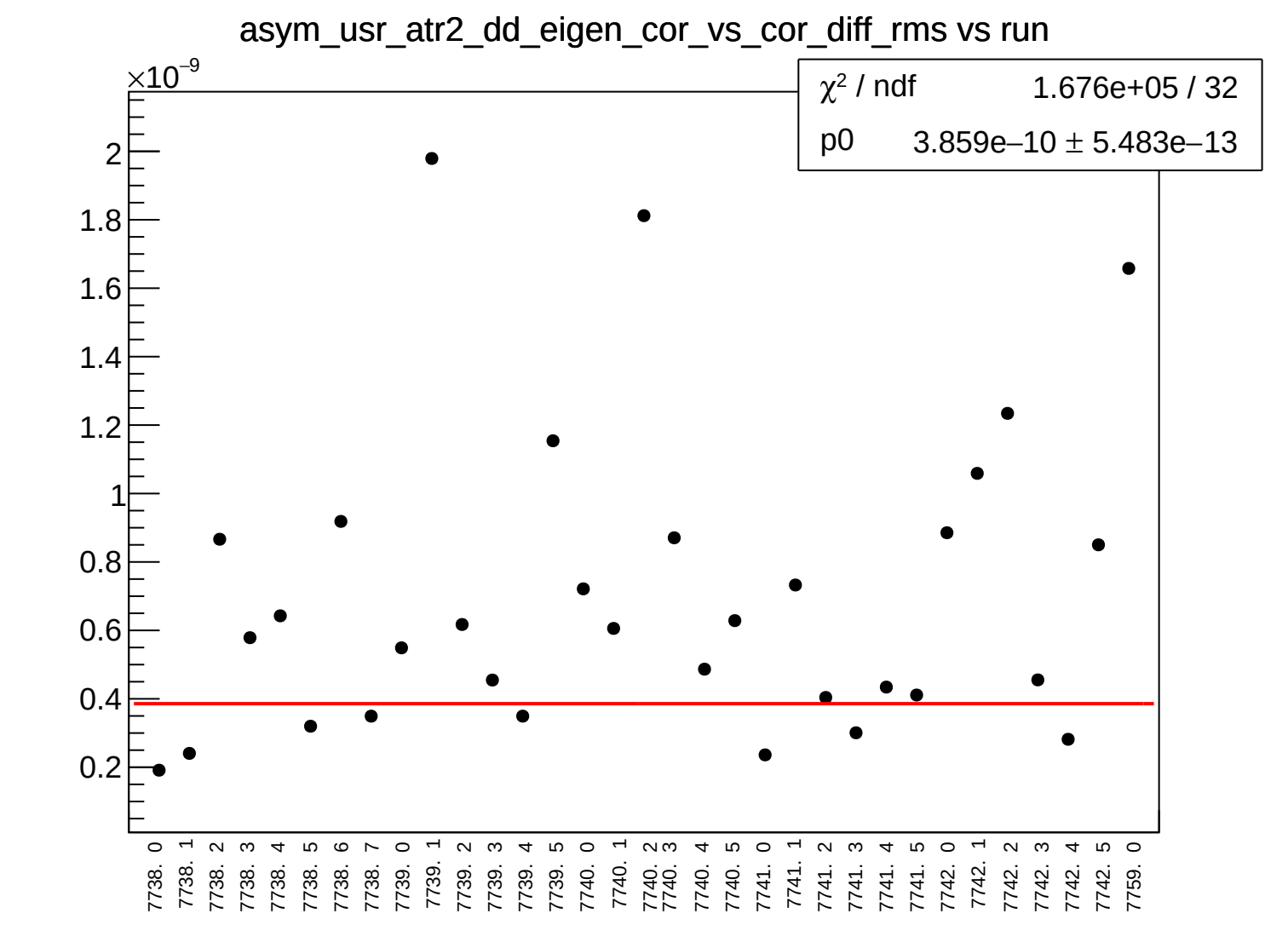

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.156e+04 / 32
p0 154.3 ± 0.1974
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

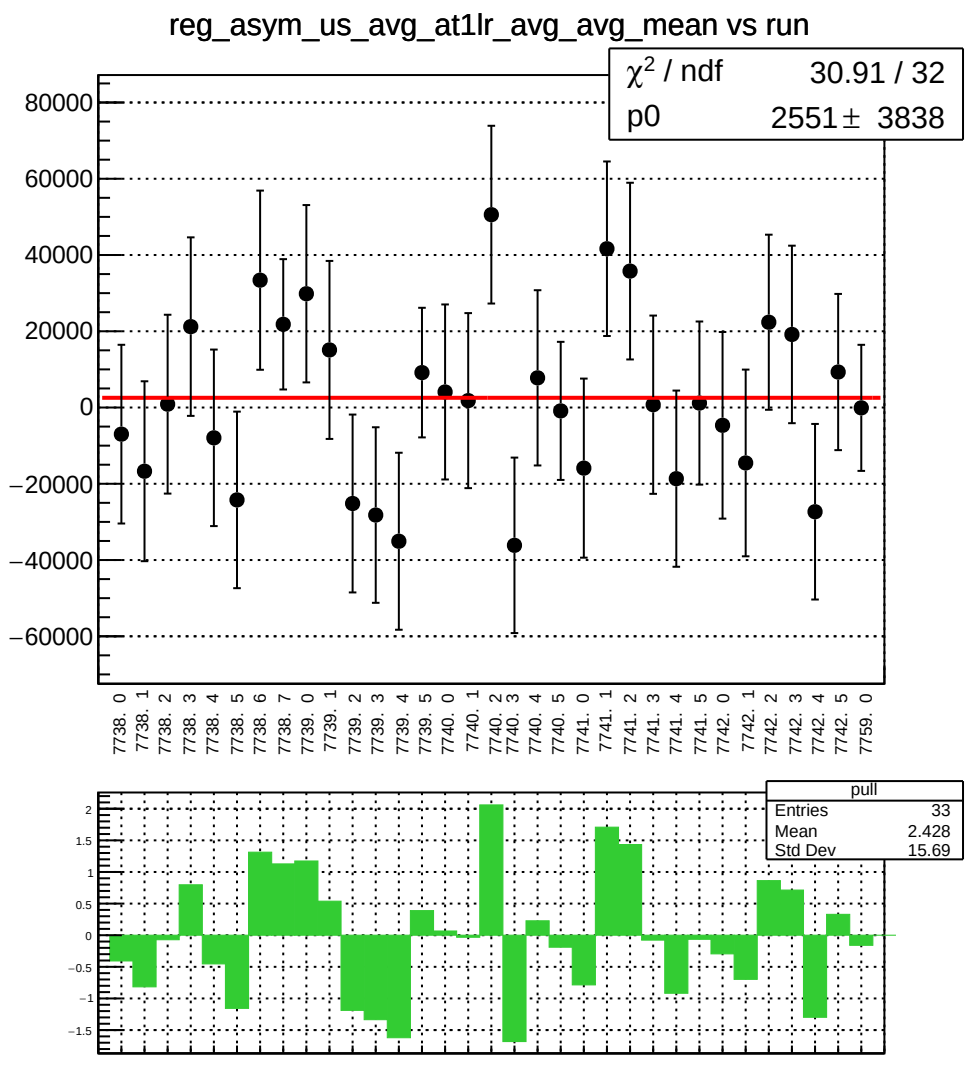

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.58 / 32
p0 0.2505 ± 0.2791
8
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.00979
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

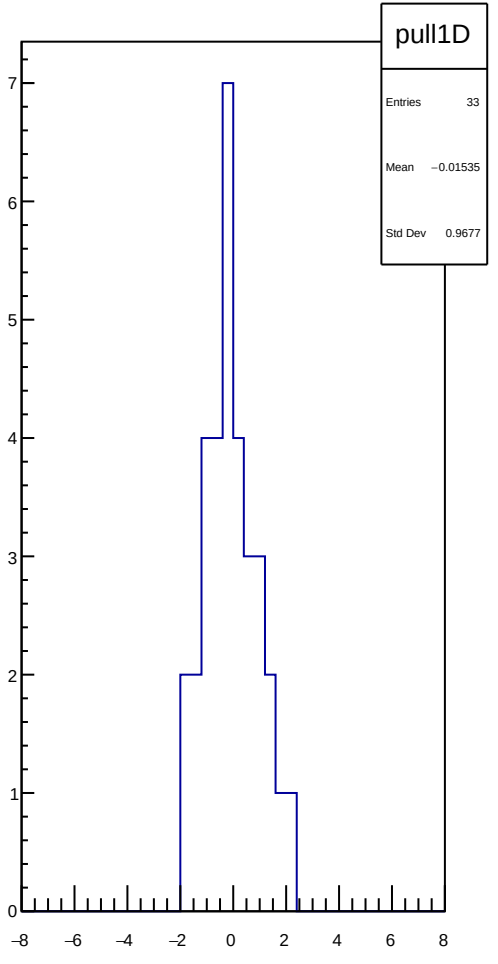

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.156e+04 / 32
p0 154.3 ± 0.1974
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

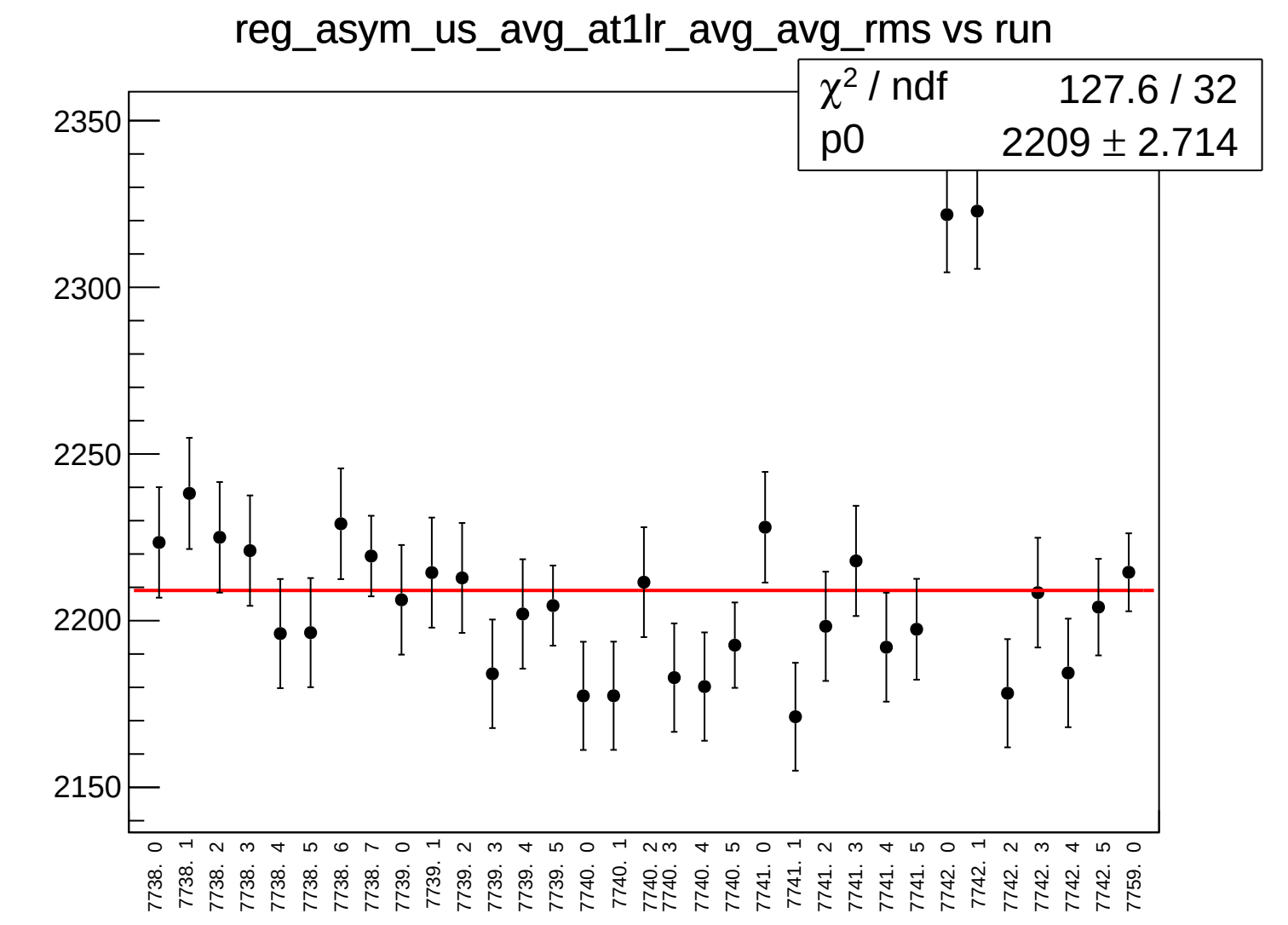

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.92 / 32
p0 3.253e−13 ± 7.754e−13
40
30
20
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.76
Std Dev 0
2
1
0
−1
−2
−3

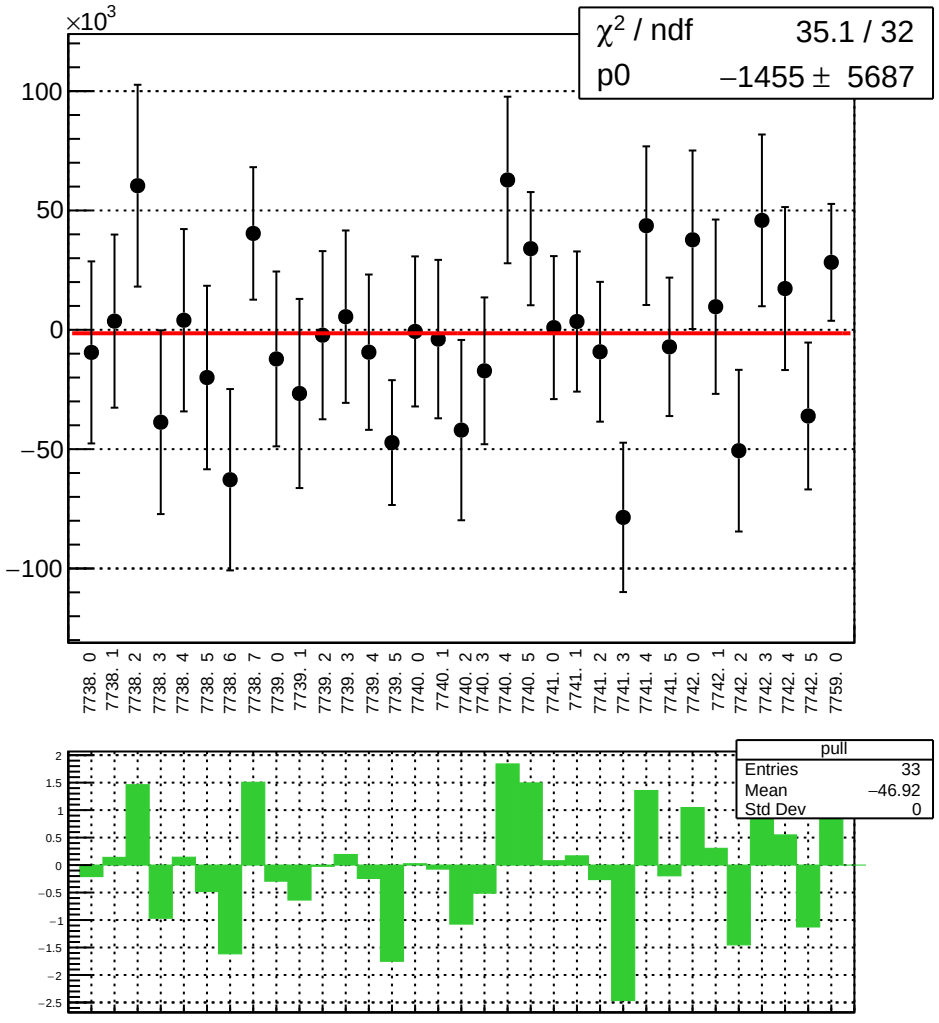

pull1D
Entries 33
Mean −0.05329
Std Dev 1.166
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

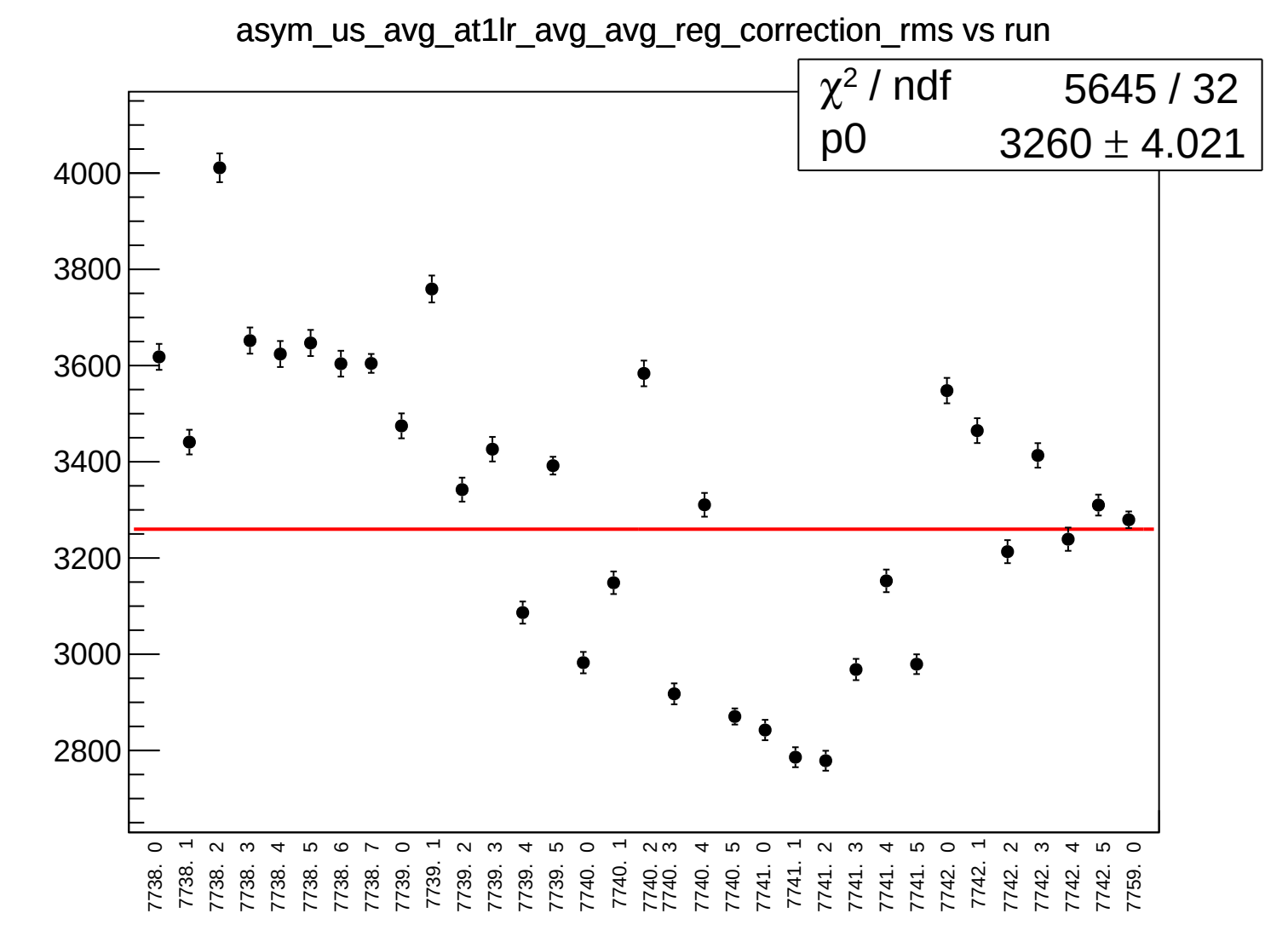

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.676e+05 / 32
p0 3.859e−10 ± 5.483e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

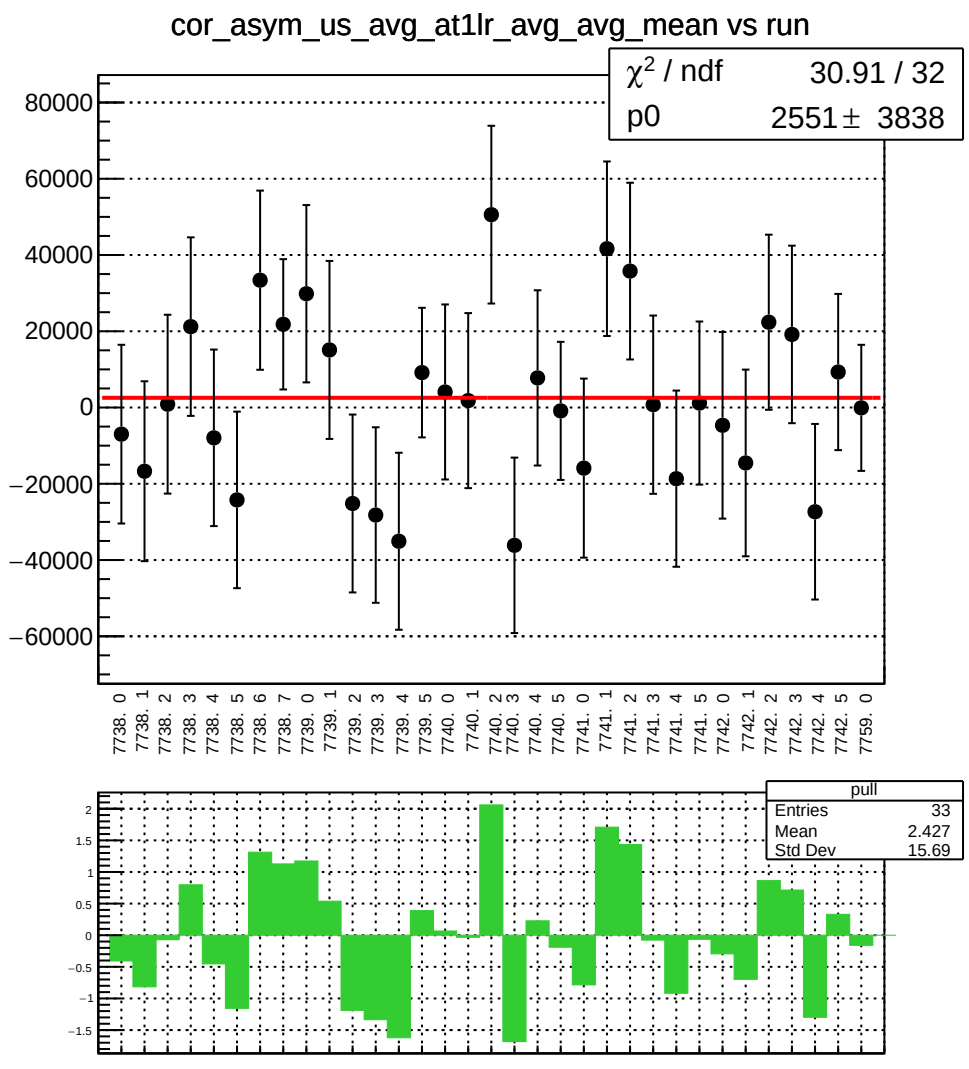

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 30.91 / 32
p0 2551 ± 3838
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.428
Std Dev 15.69
2
1.5
1
0.5
0
−0.5
−1
−1.5

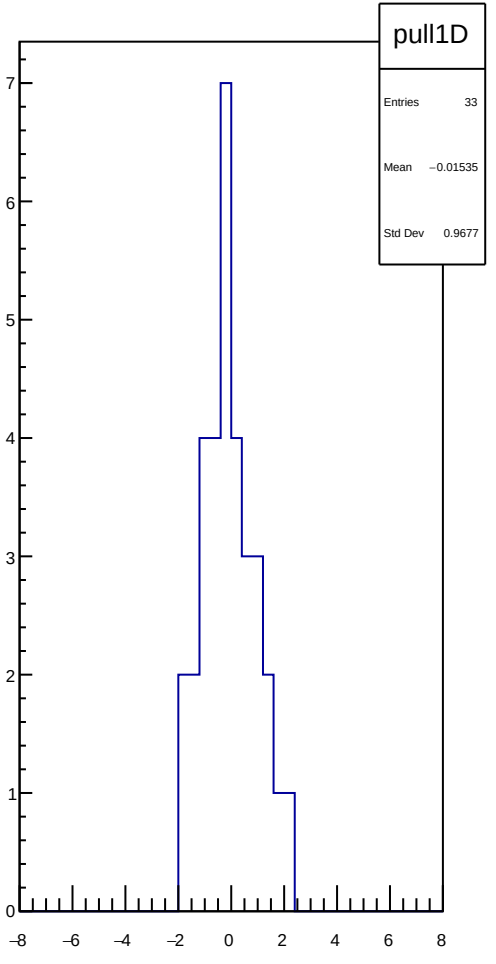

pull1D
Entries 33
Mean −0.01535
Std Dev 0.9677
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

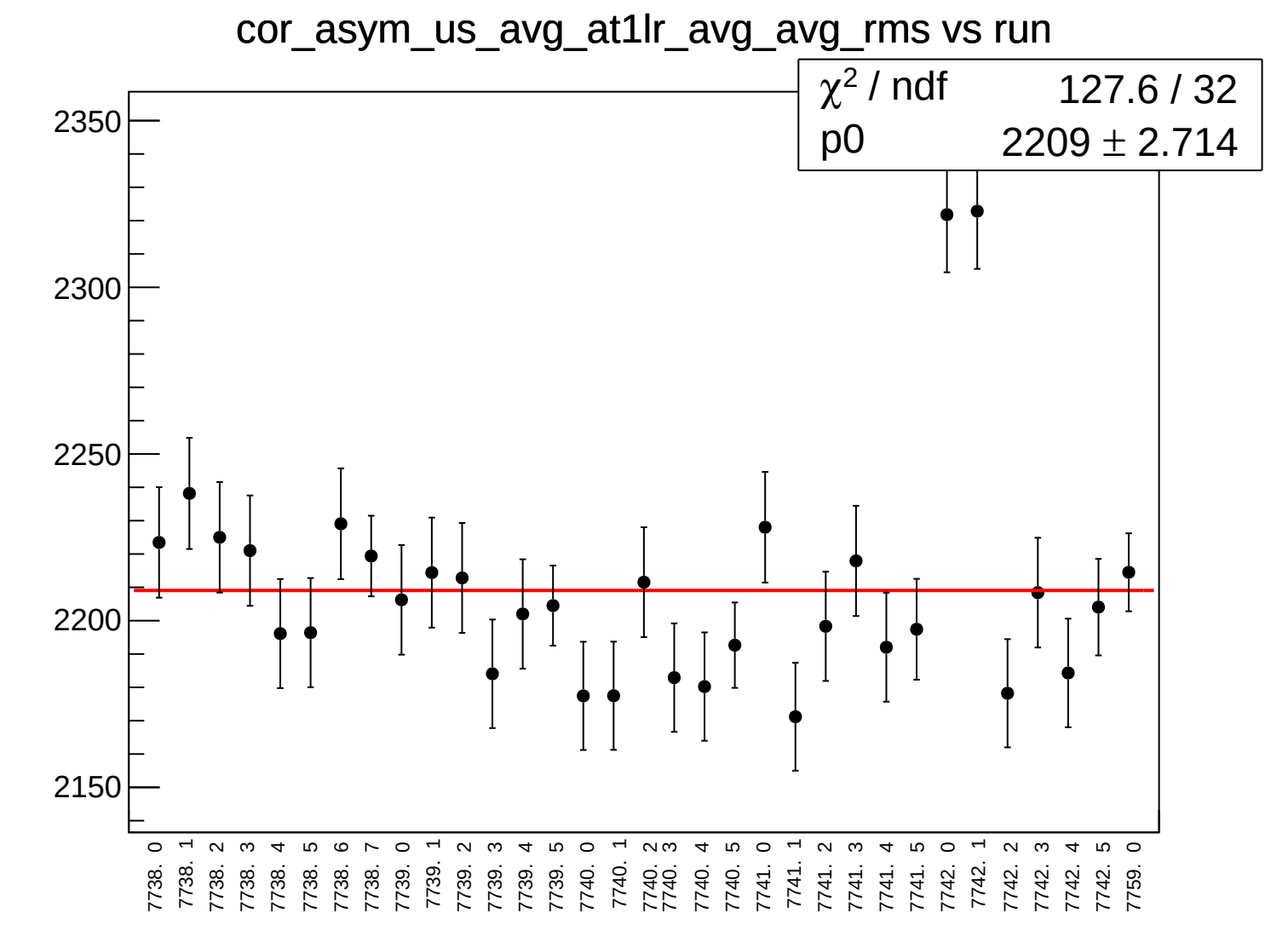

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 127.6 / 32
p0 2209 ± 2.714
2350
2300
2250
2200
2150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

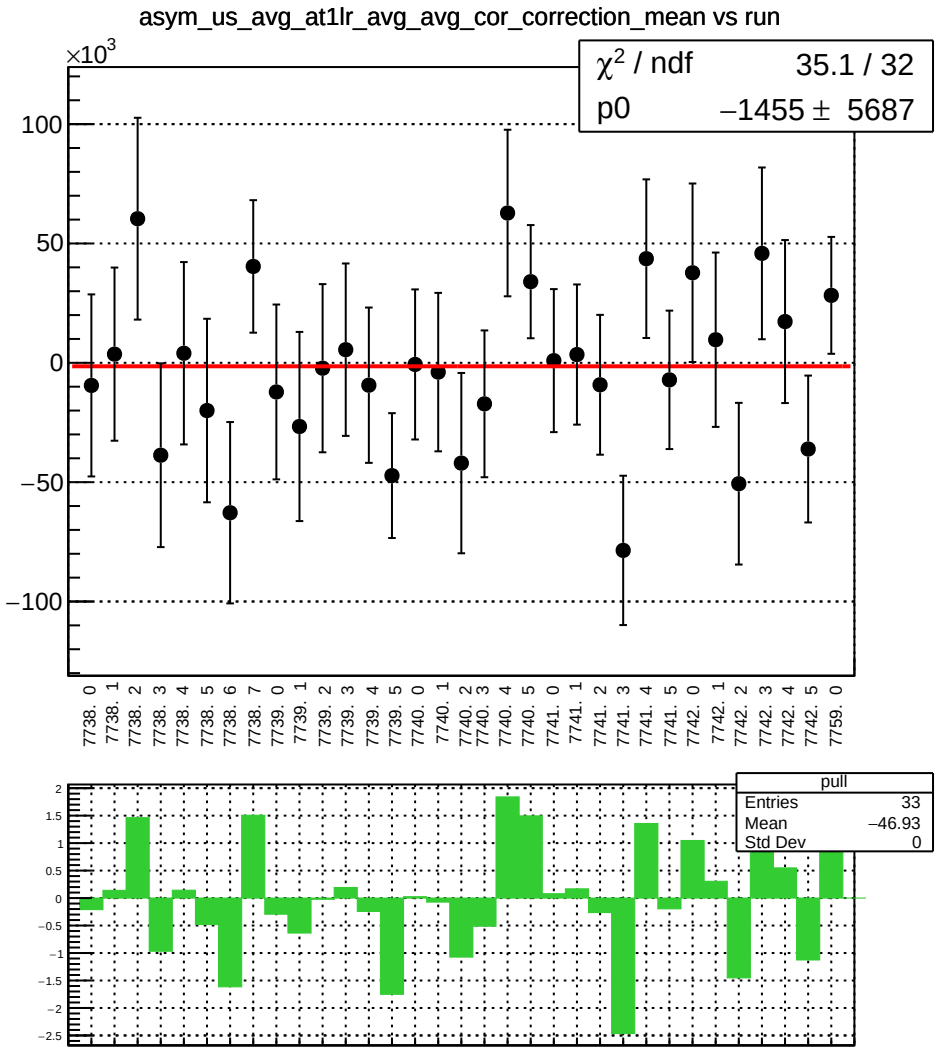

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 35.1 / 32
p0 −1455 ± 5687
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.0165
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

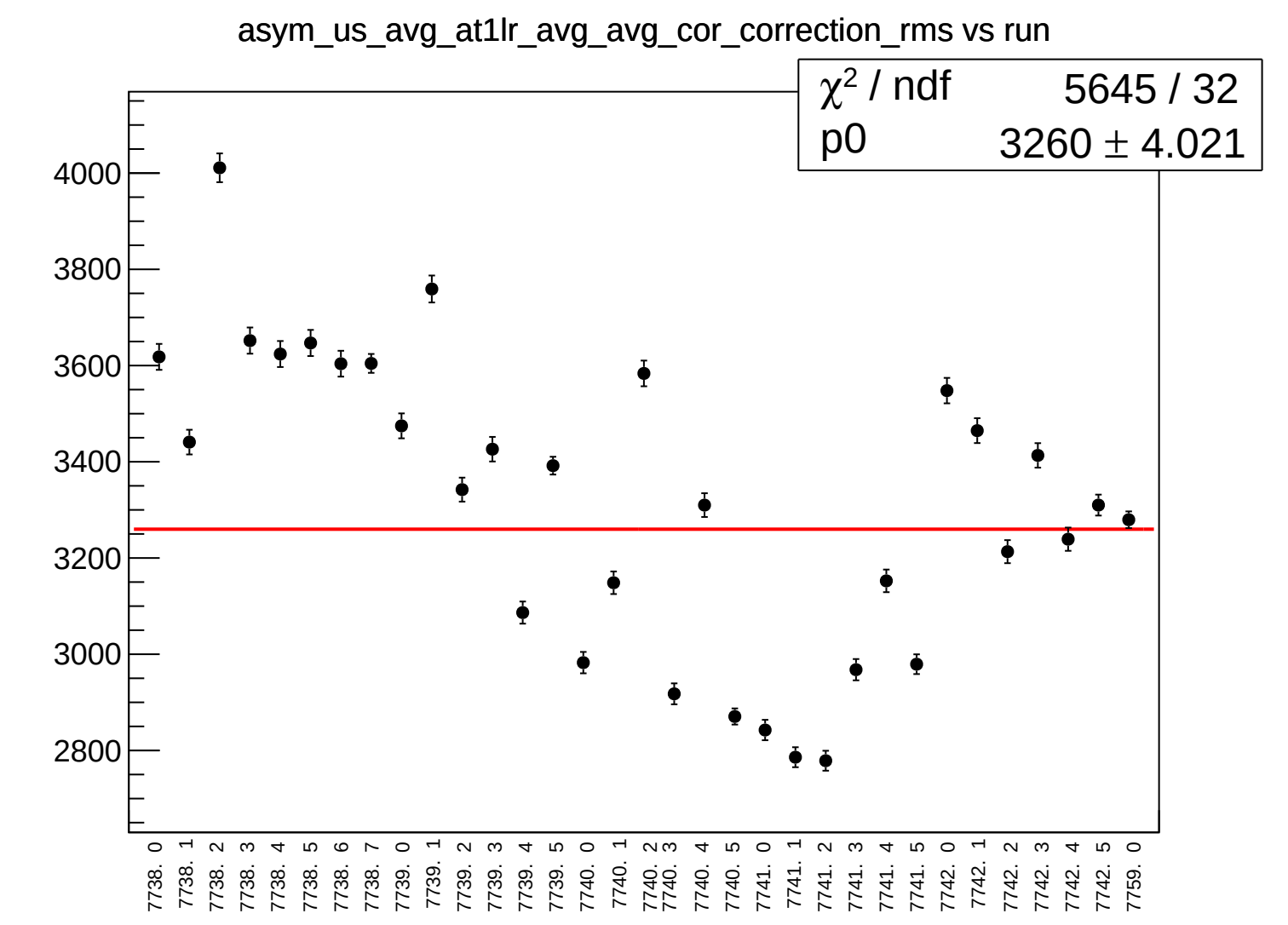

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 5645 / 32
p0 3260 ± 4.021
4000
3800
3600
3400
3200
3000
2800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

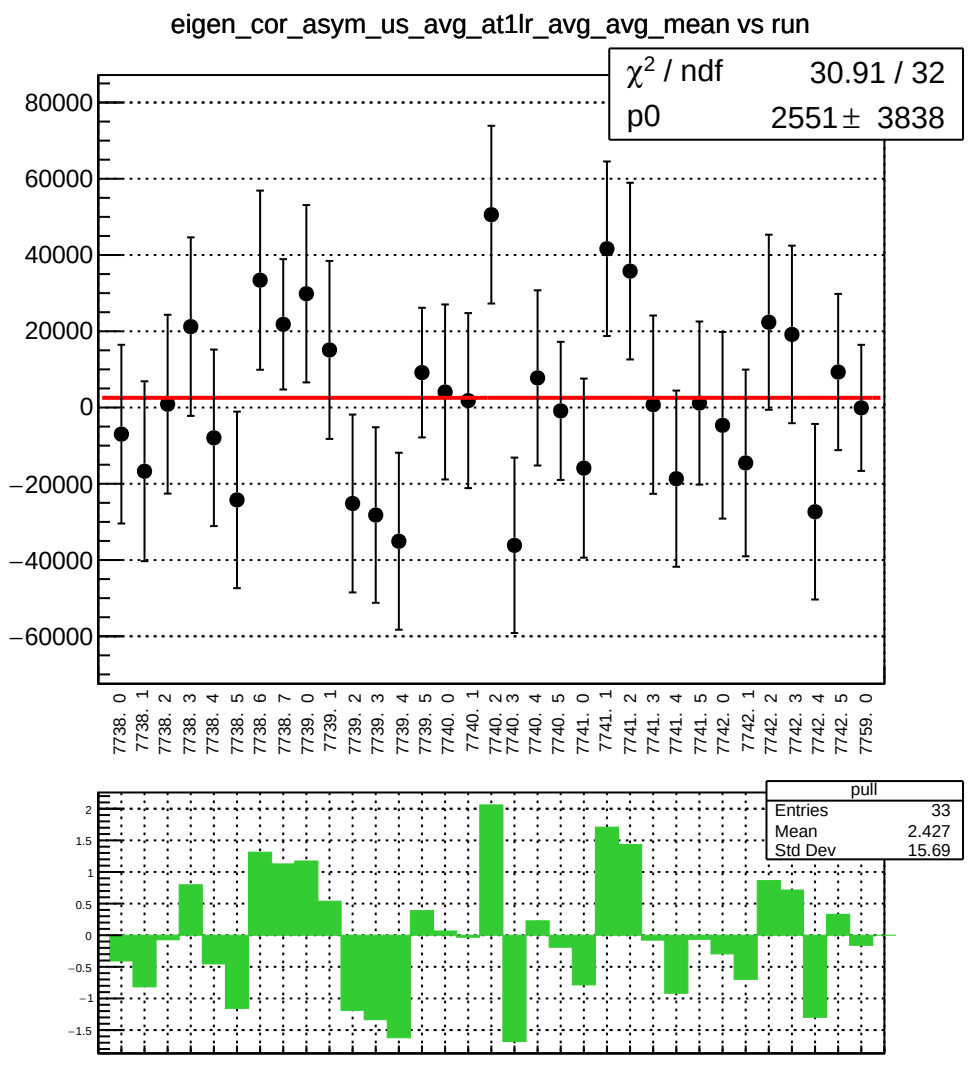

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 30.91 / 32
p0 2551 ± 3838
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.427
Std Dev 15.69
2
1.5
1
0.5
0
−0.5
−1
−1.5

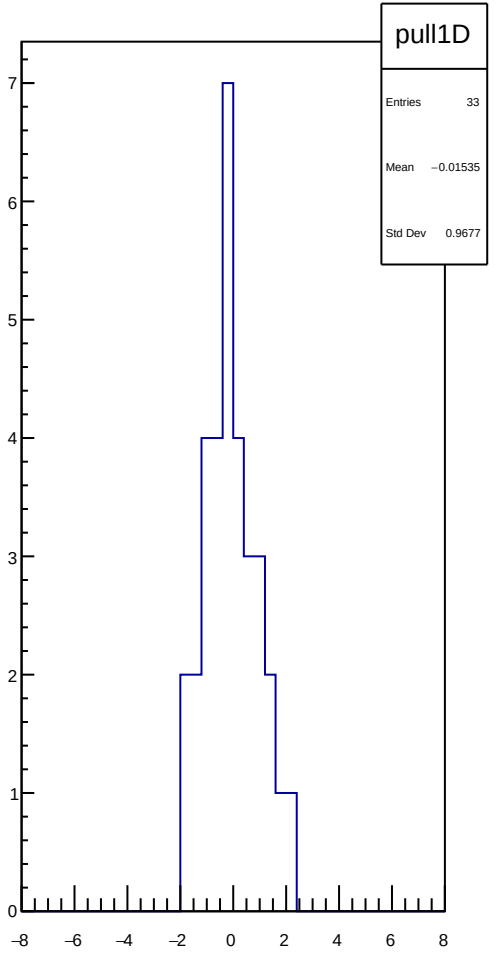

pull1D
Entries 33
Mean −0.01535
Std Dev 0.9677
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

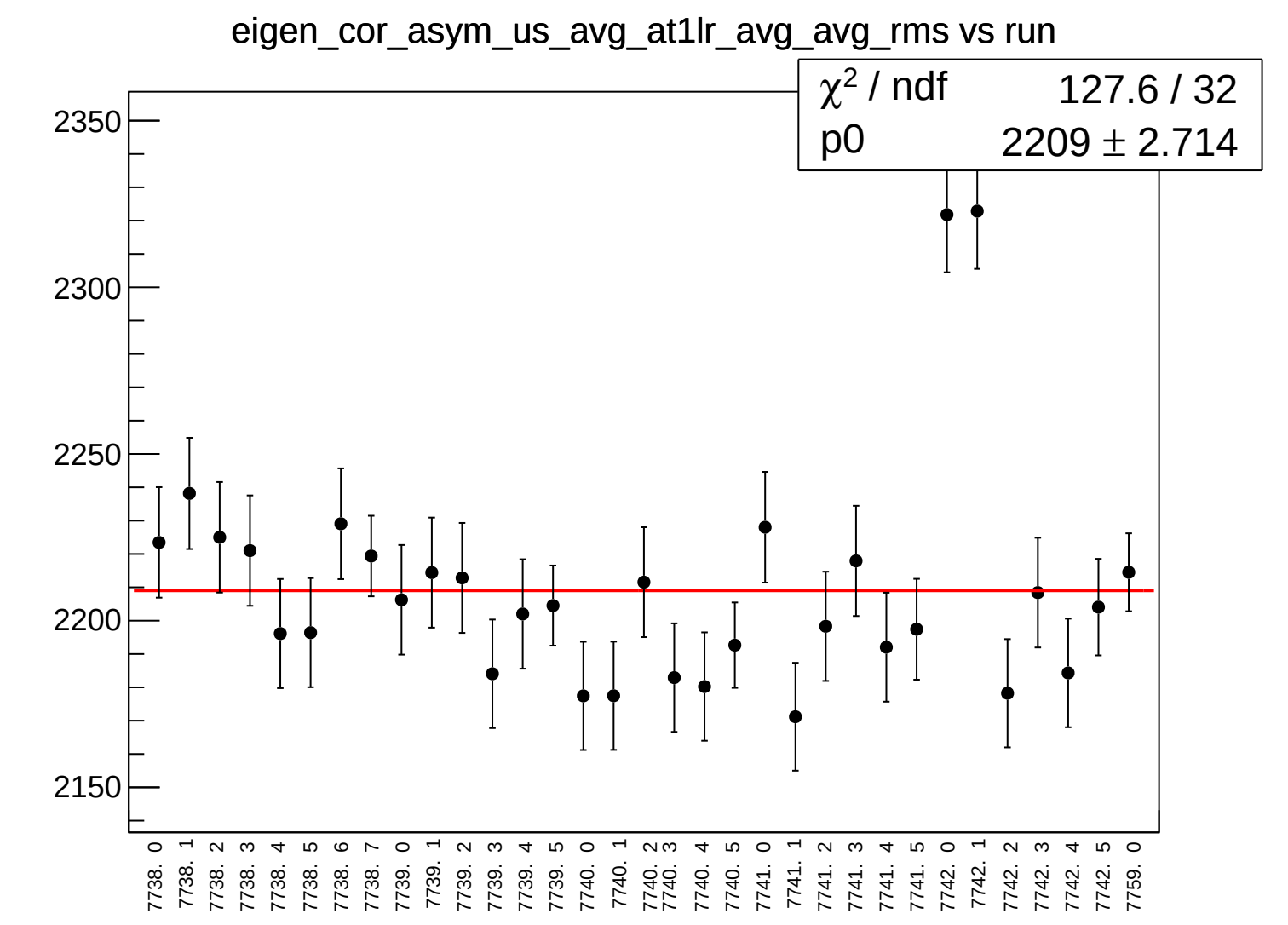

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 127.6 / 32
p0 2209 ± 2.714
2350
2300
2250
2200
2150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

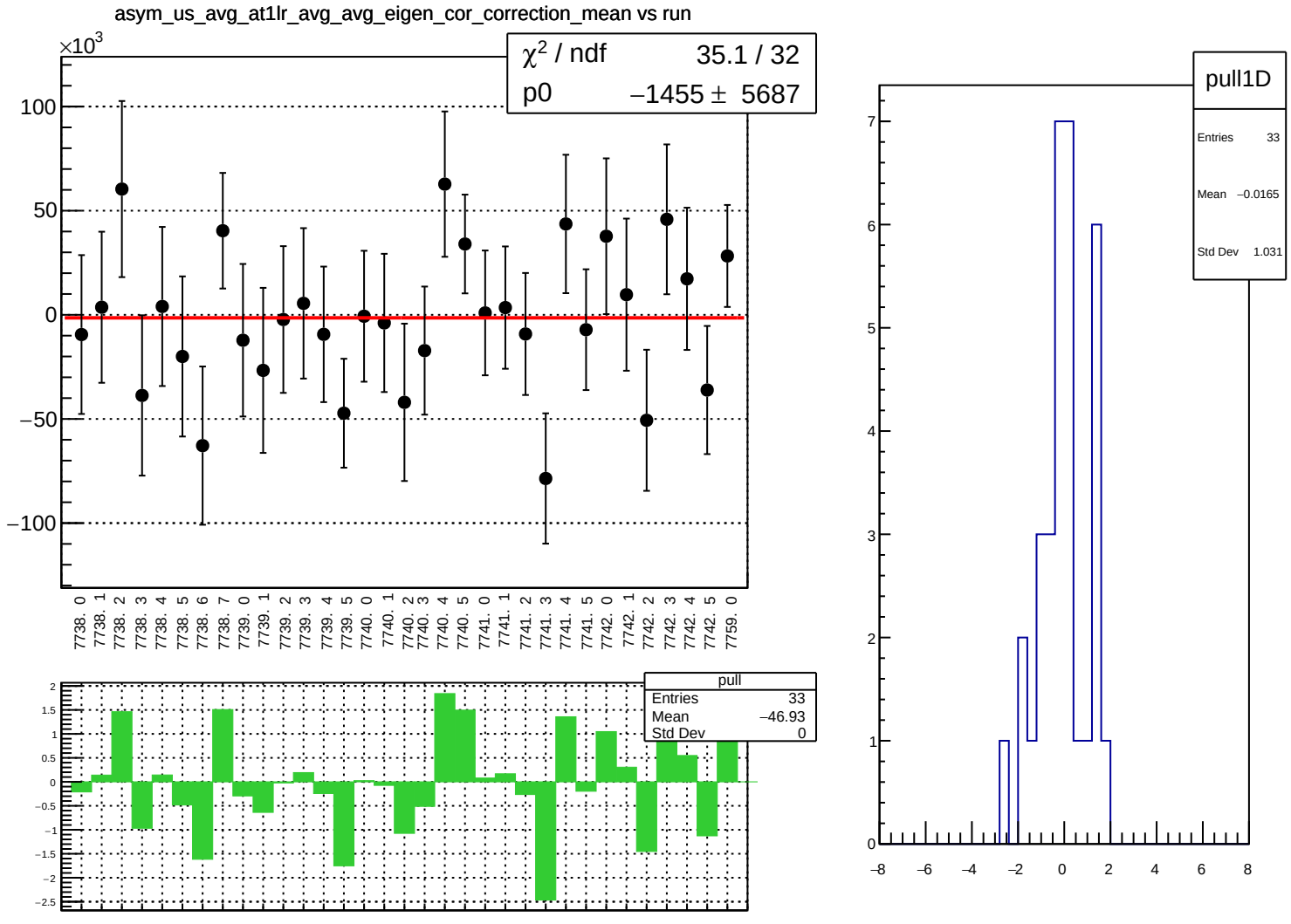

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 35.1 / 32
p0 −1455 ± 5687
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.0165
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

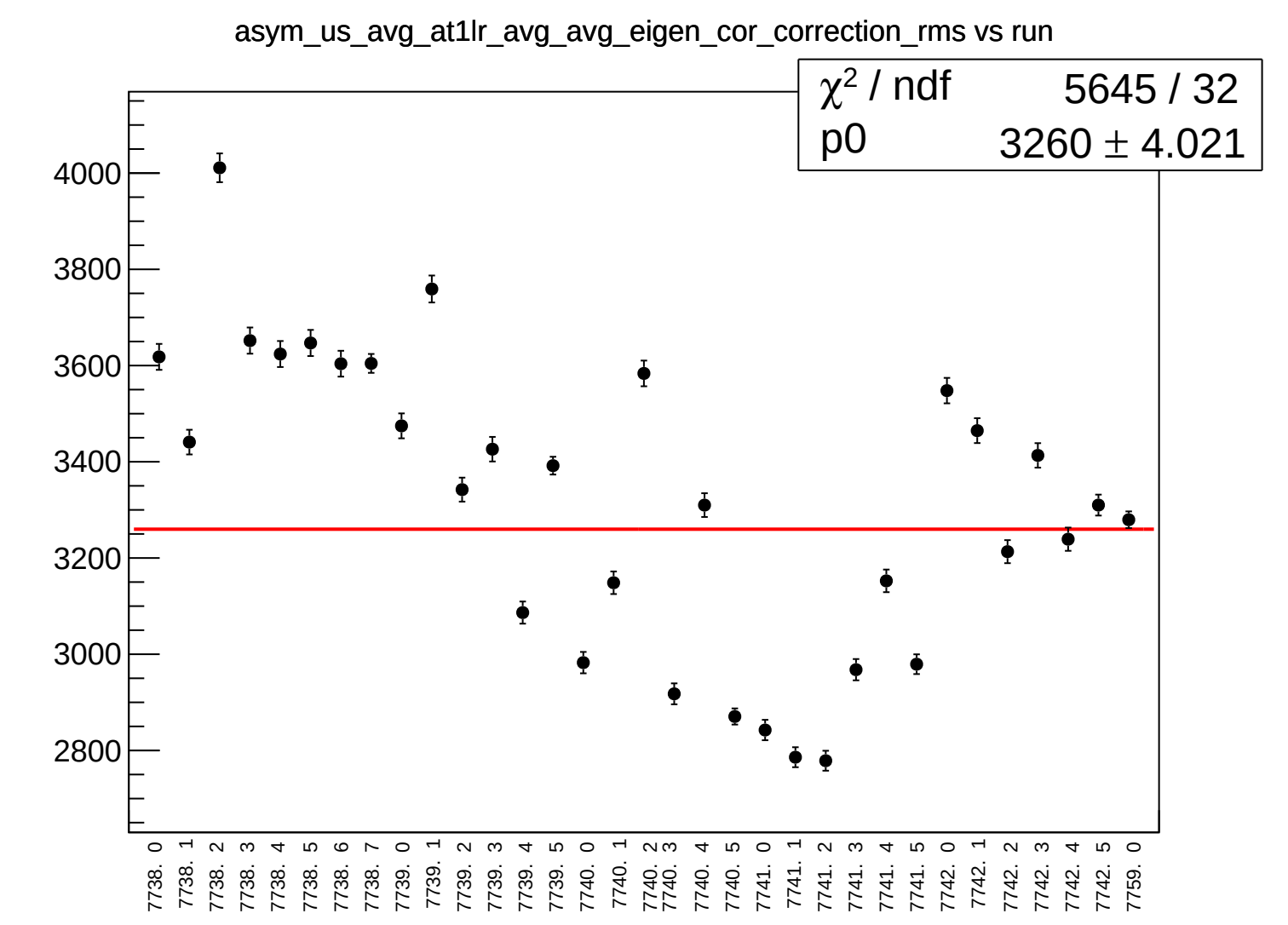

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 5645 / 32
p0 3260 ± 4.021
4000
3800
3600
3400
3200
3000
2800
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

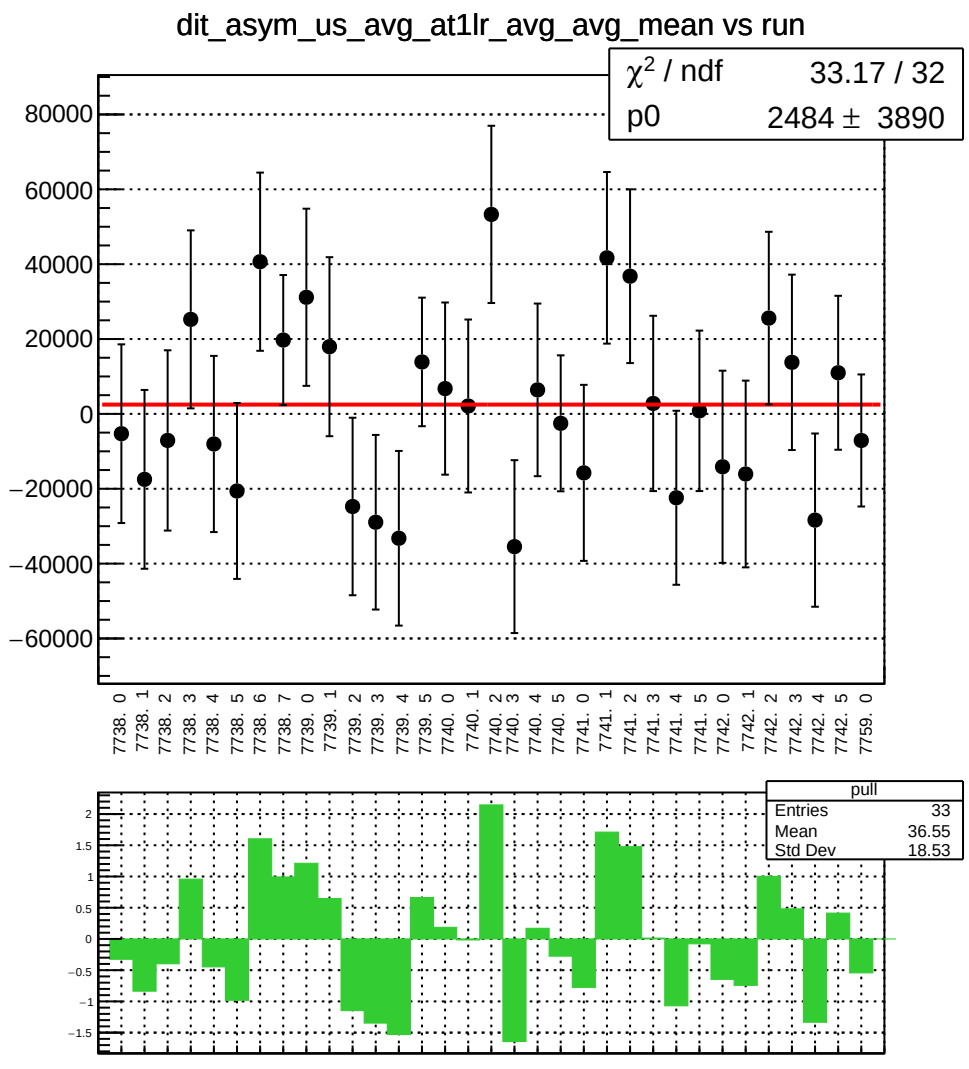

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 30.91 / 32
p0 2551 ± 3838
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.427
Std Dev 15.69
2
1.5
1
0.5
0
−0.5
−1
−1.5

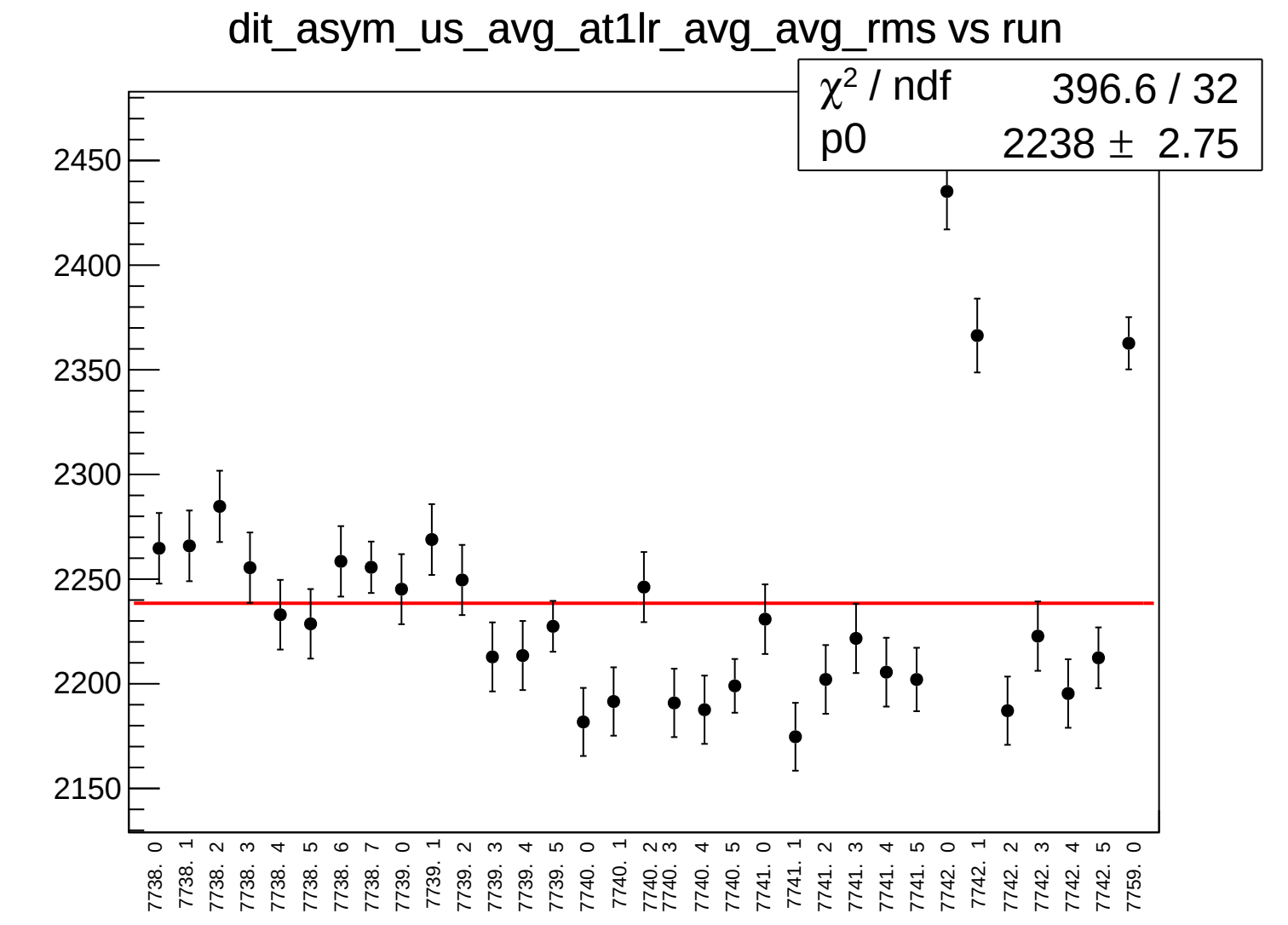

pull1D
Entries 33
Mean −0.01535
Std Dev 0.9677
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

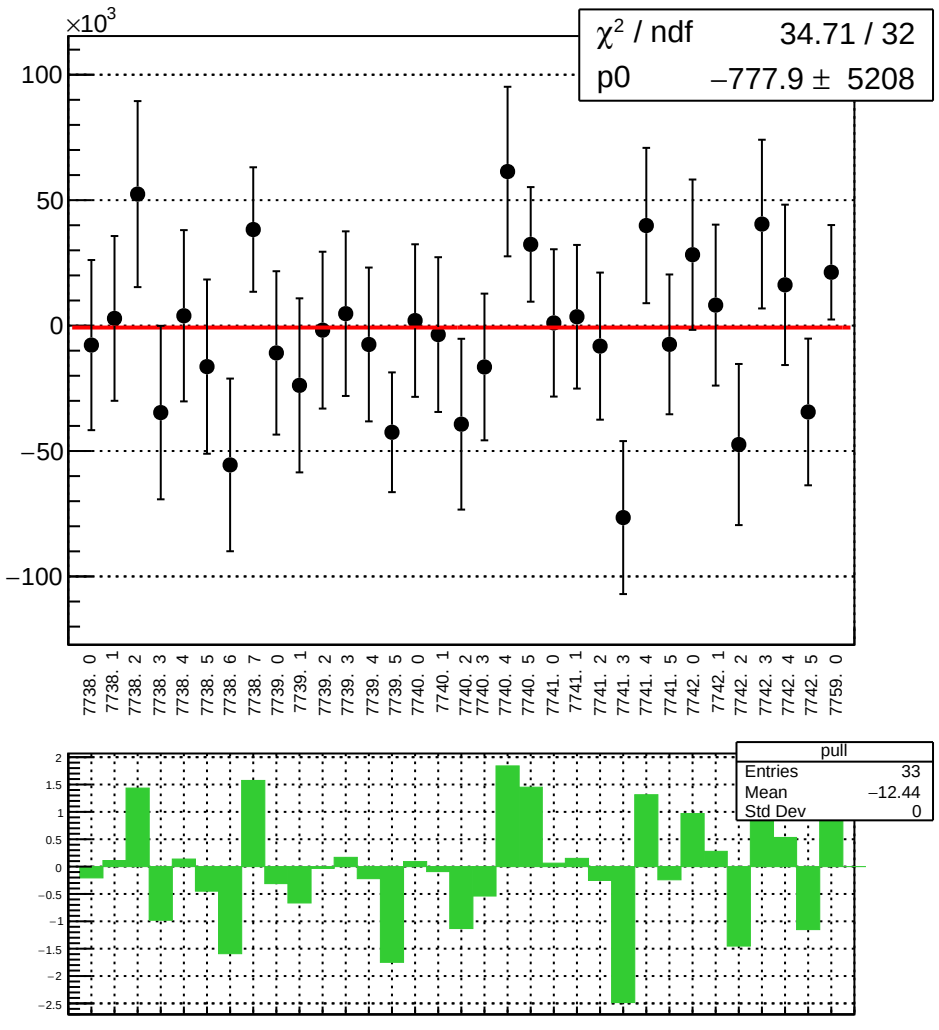

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ^2 / ndf 127.6 / 32
p0 2209 ± 2.714
2350
2300
2250
2200
2150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

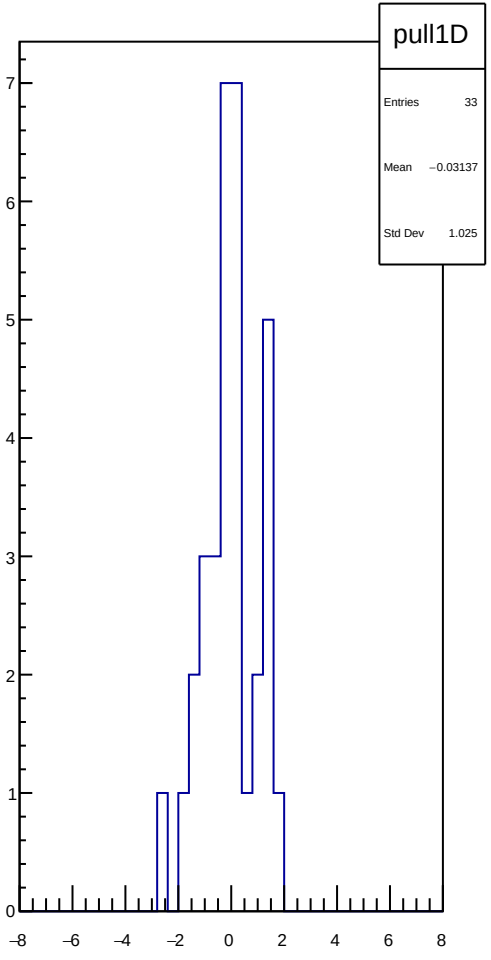

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.1 / 32
p0 −1455 ± 5687
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.0165
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

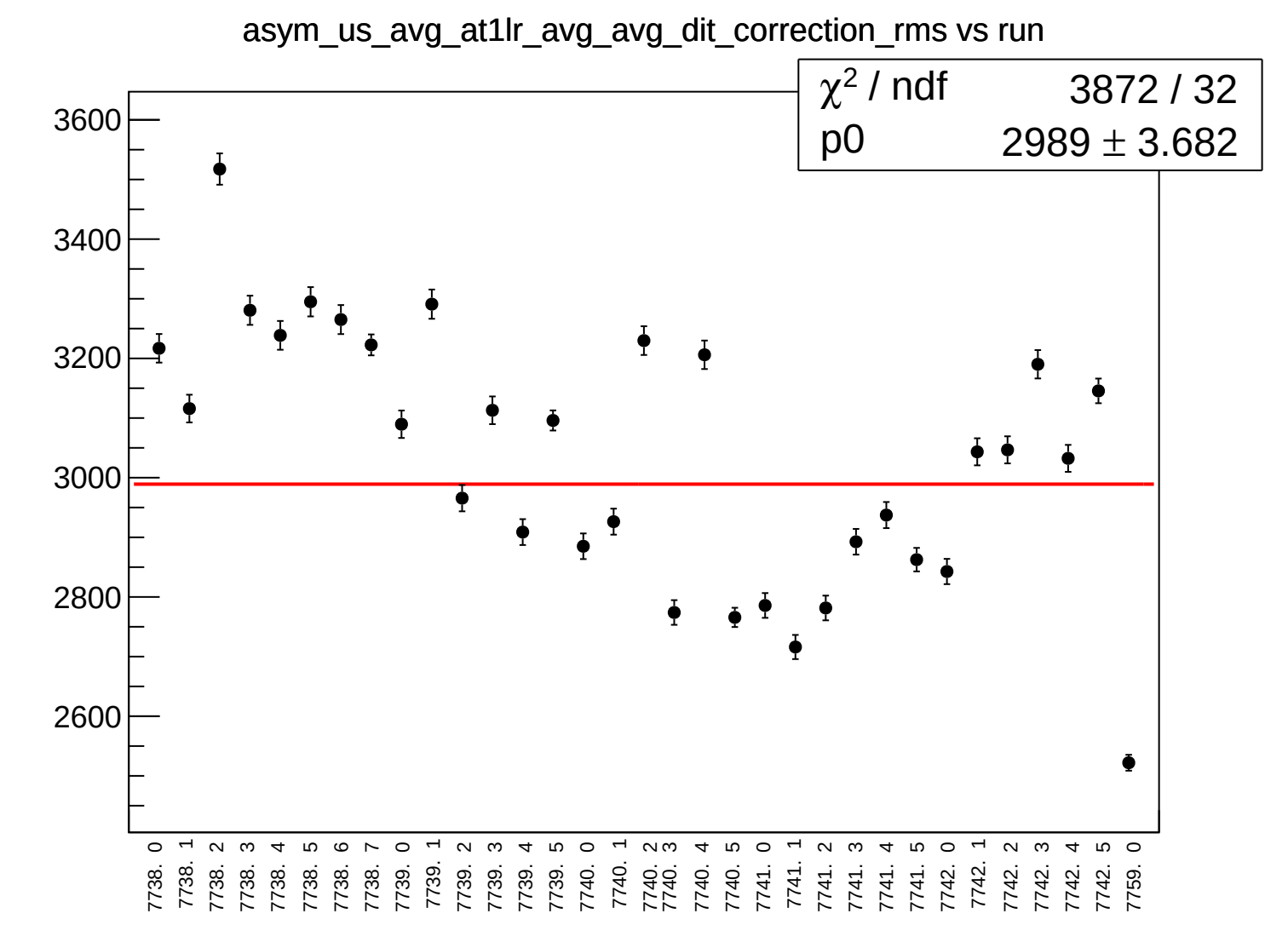

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 5645 / 32
p0 3260 ± 4.021
4000
3800
3600
3400
3200
3000
2800
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

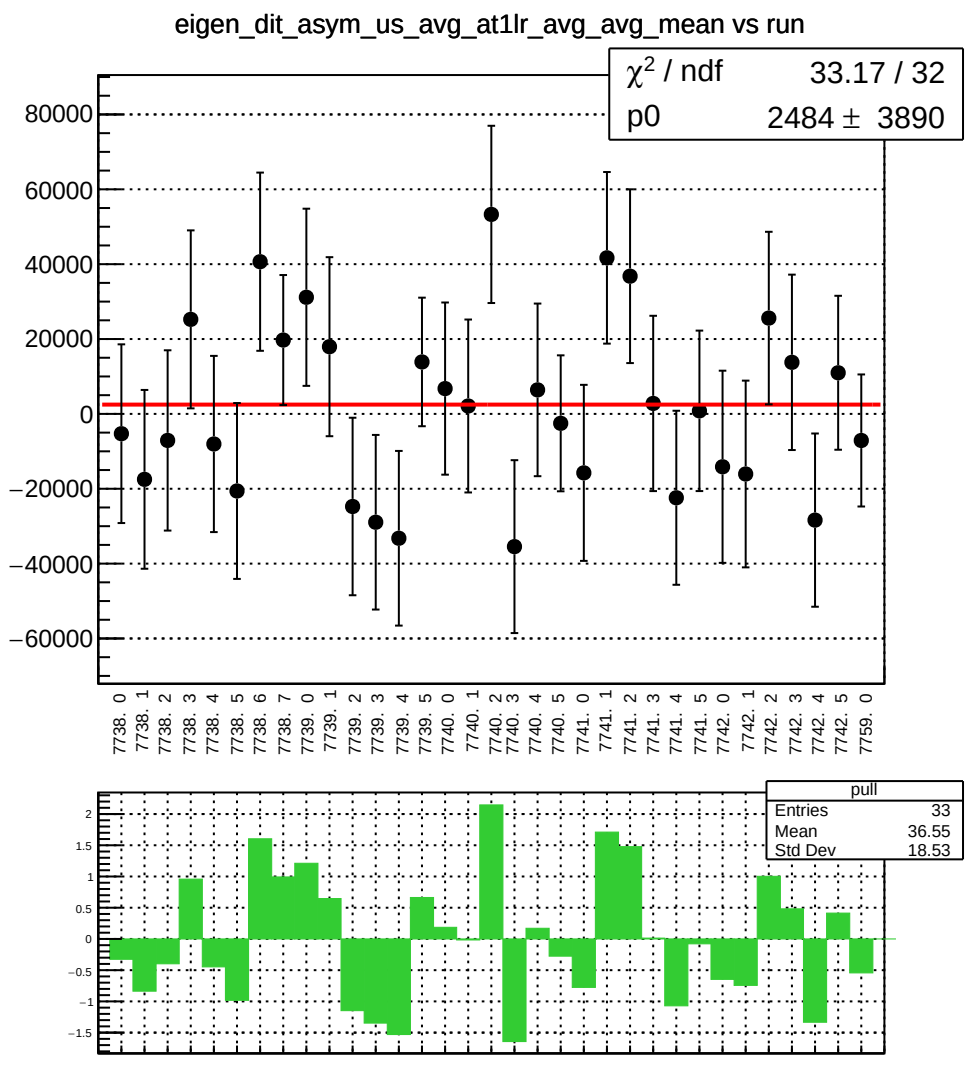

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 33.17 / 32
p0 2484 ± 3890
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 36.55
Std Dev 18.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01398
Std Dev 1.002
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

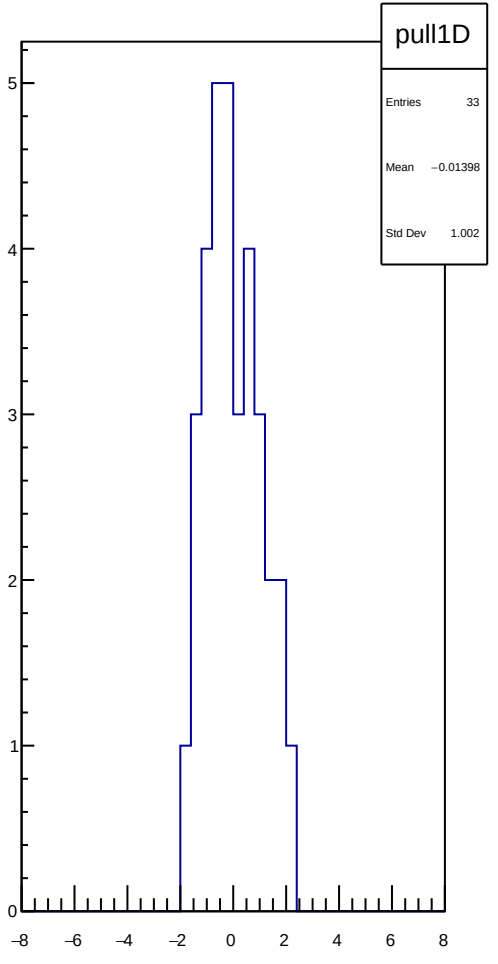

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 396.6 / 32
p0 2238 ± 2.75
2450
2400
2350
2300
2250
2200
2150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

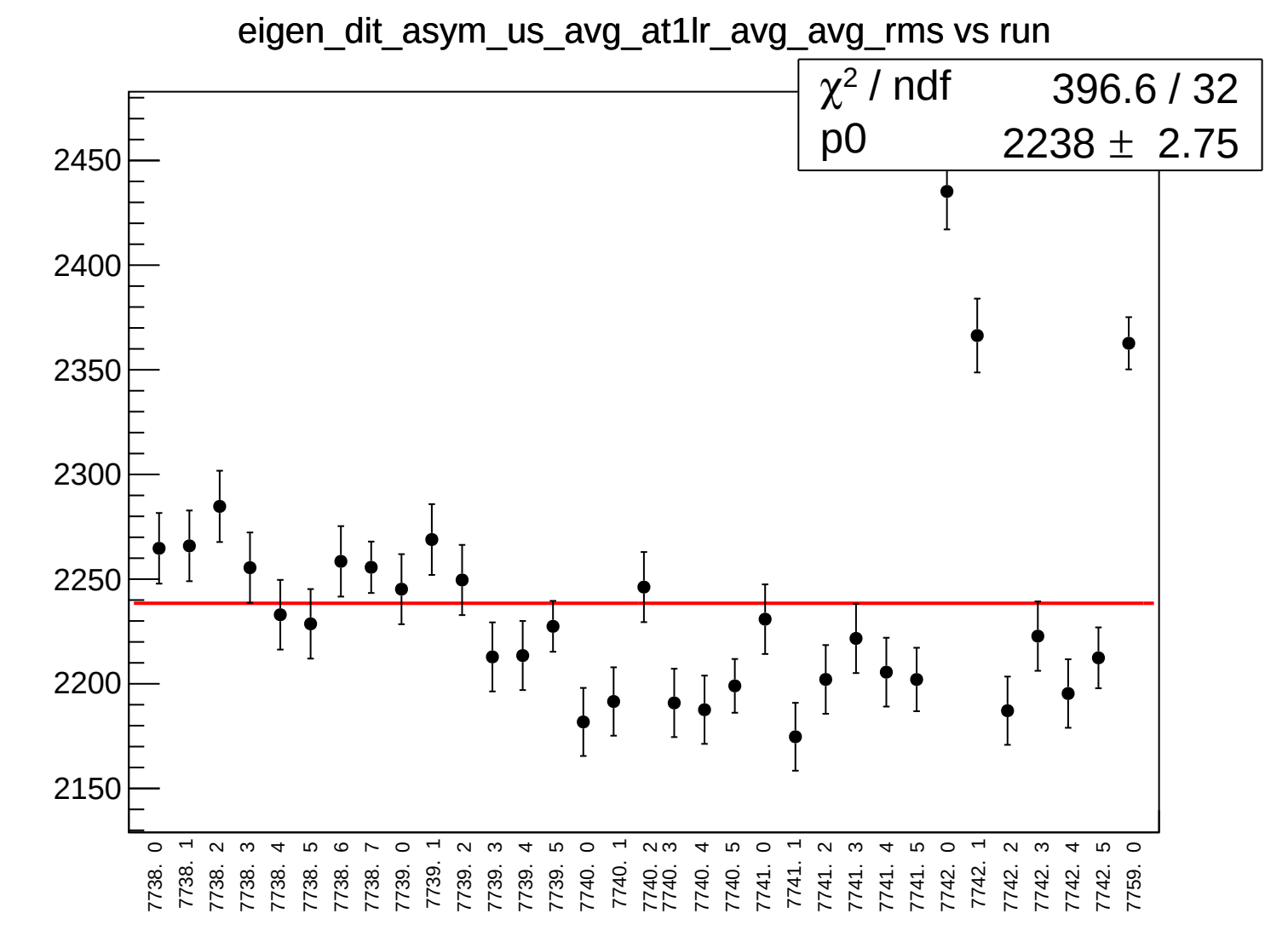

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 −777.9 ± 5208
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

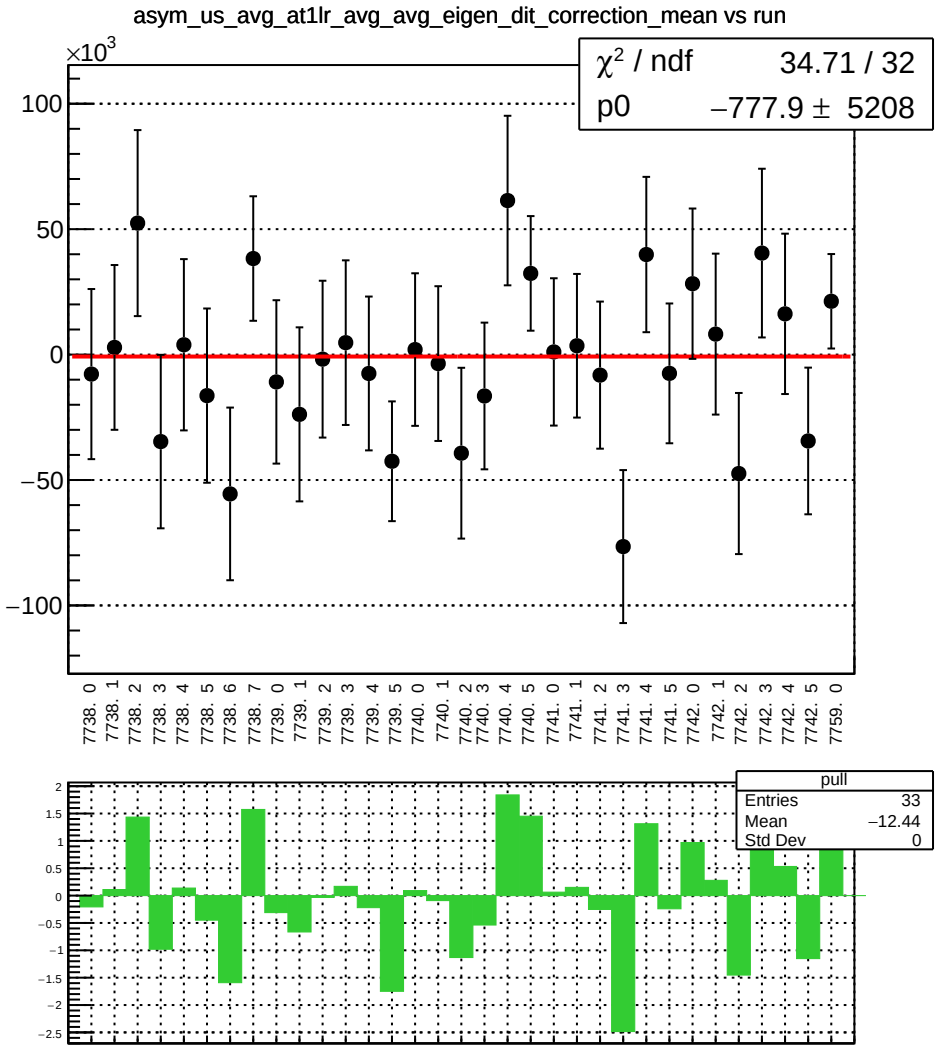

pull1D
Entries 33
Mean −0.03137
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

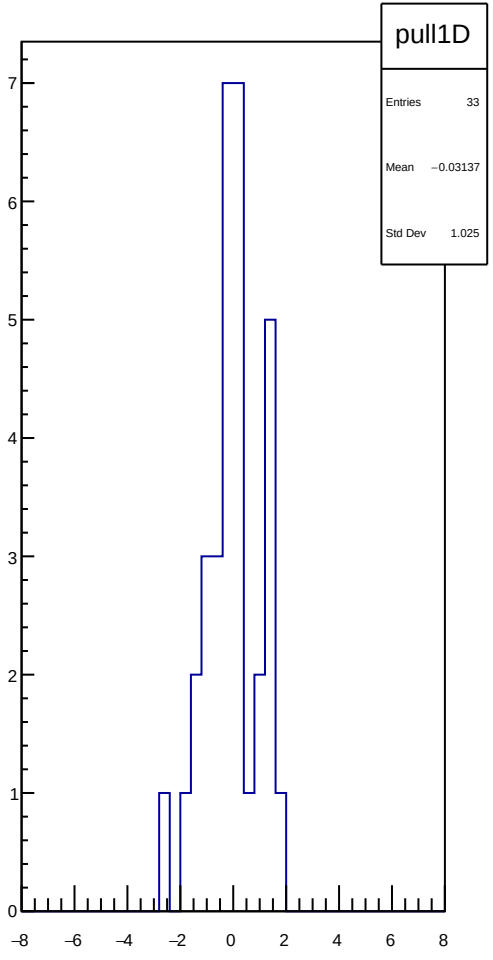

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 3872 / 32
p0 2989 ± 3.682
3600
3400
3200
3000
2800
2600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

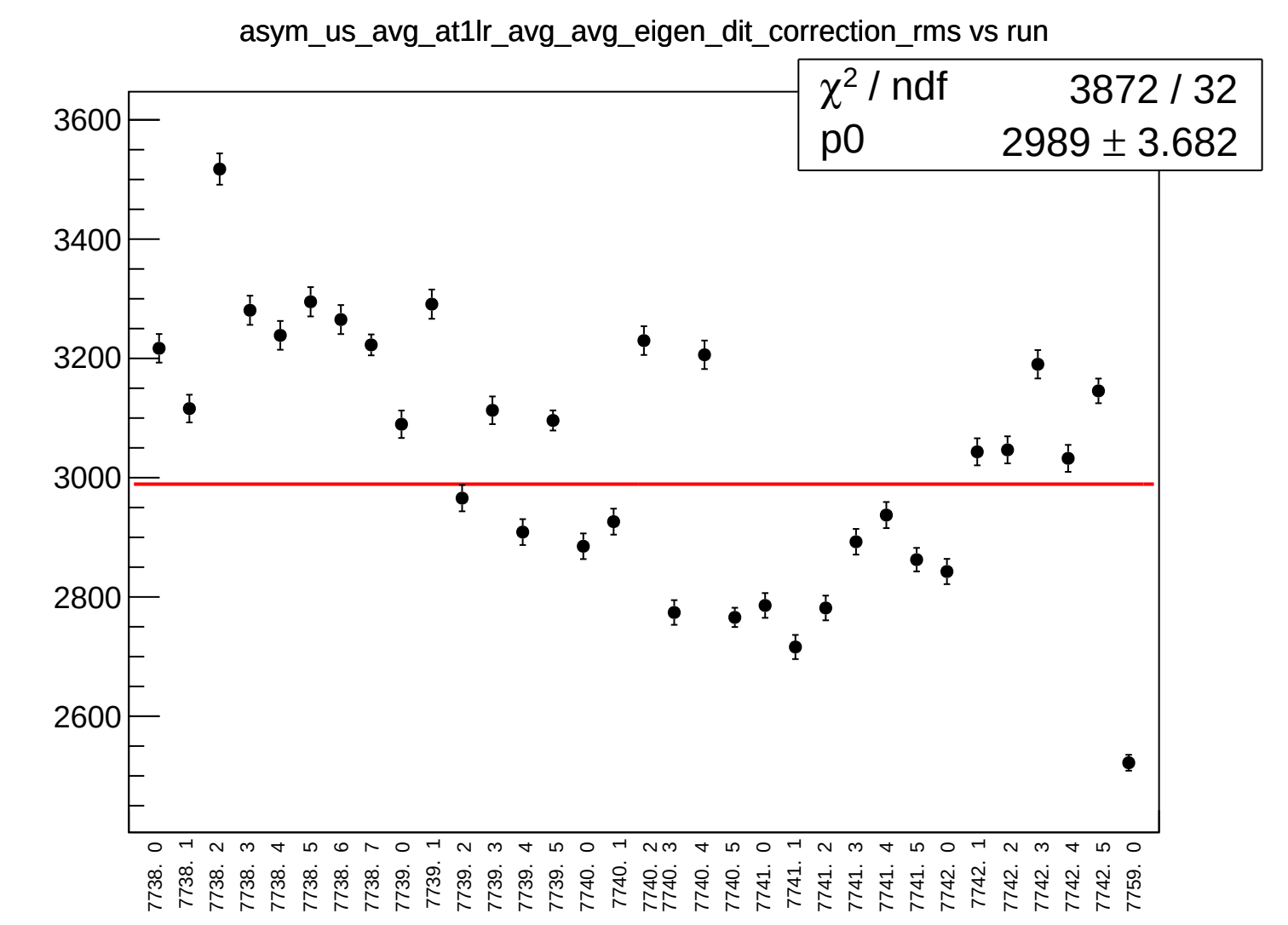

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 33.17 / 32
p0 2484 ± 3890
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 36.55
Std Dev 18.53
2
1.5
1
0.5
0
−0.5
−1
−1.5

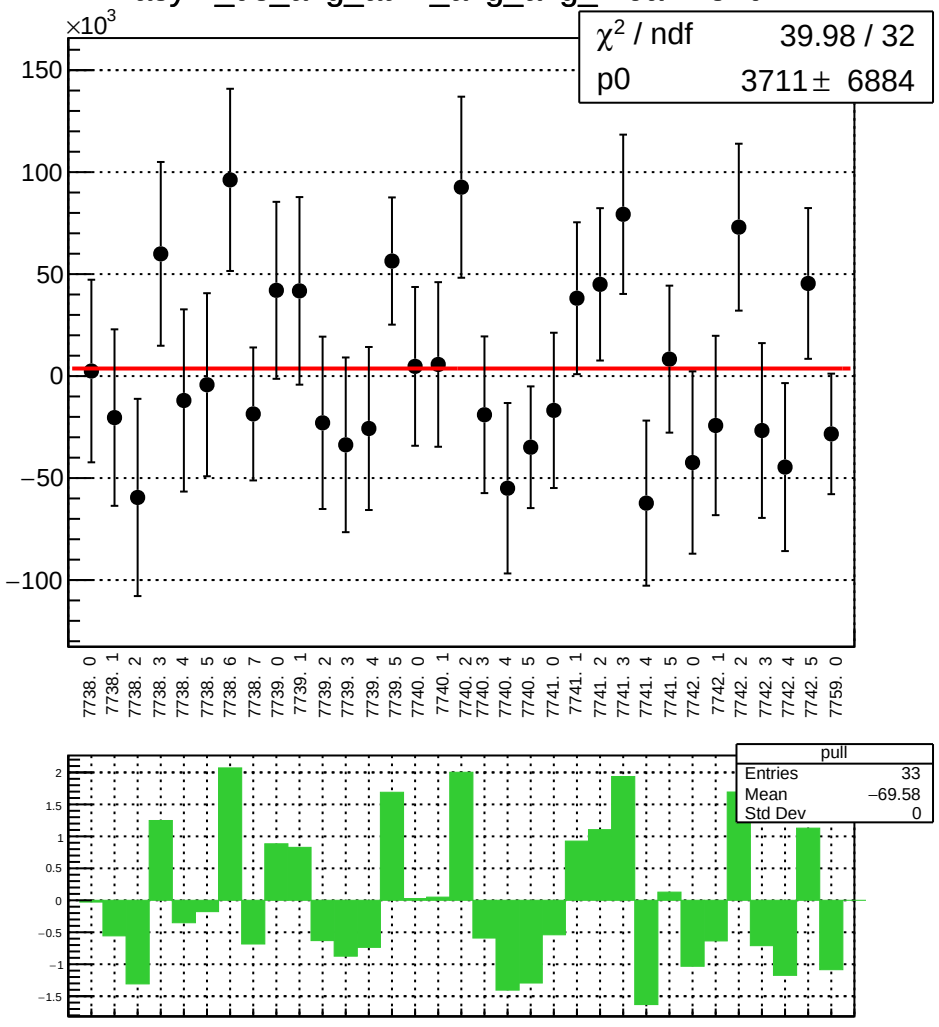

pull1D
Entries 33
Mean −0.01398
Std Dev 1.002
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

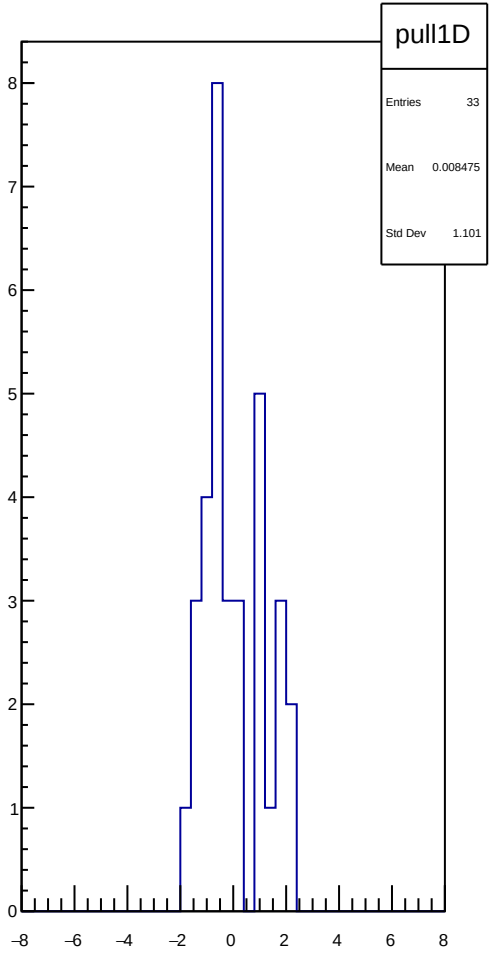

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 396.6 / 32
p0 2238 ± 2.75
2450
2400
2350
2300
2250
2200
2150
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

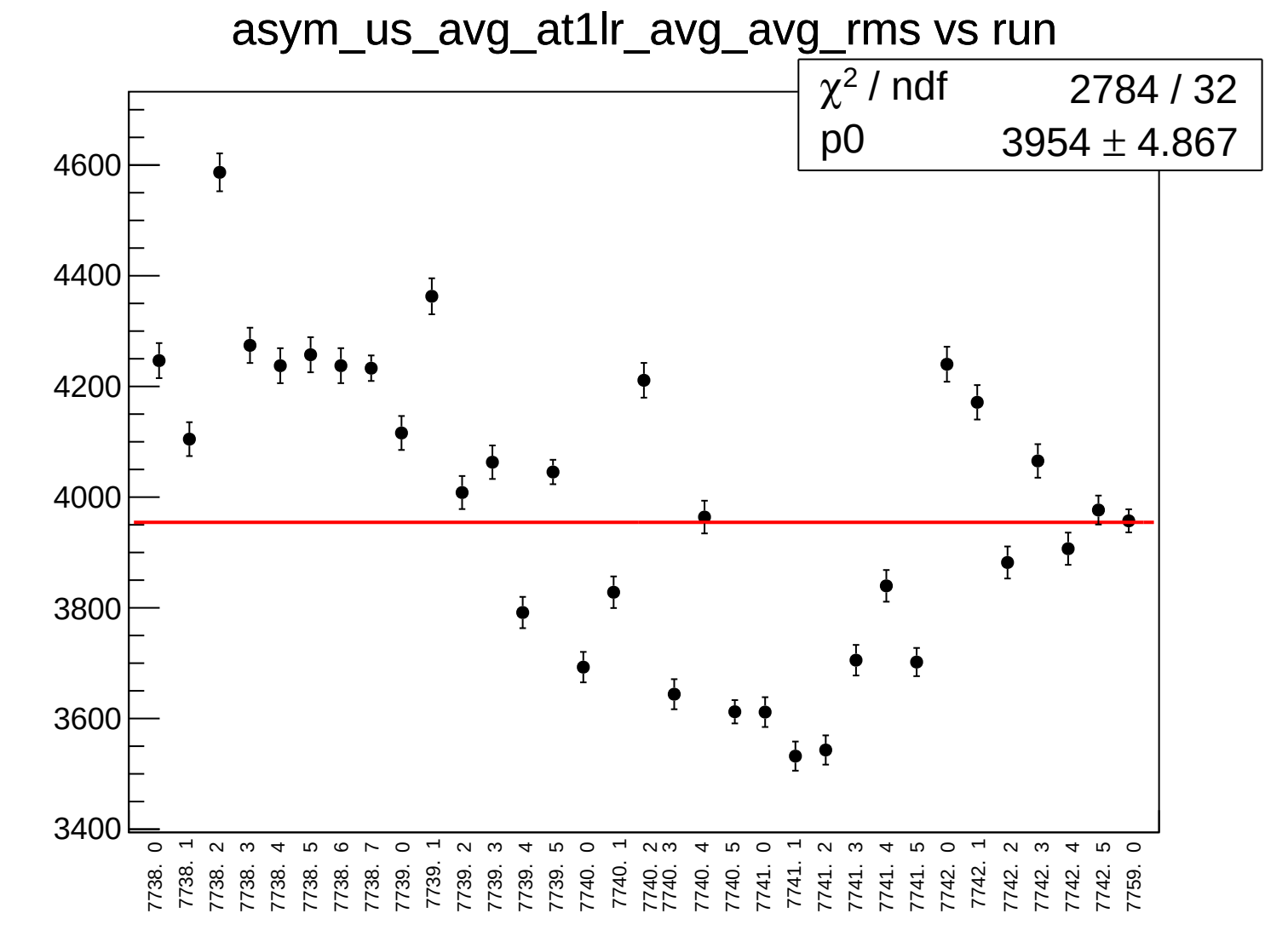

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.71 / 32
p0 −777.9 ± 5208
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

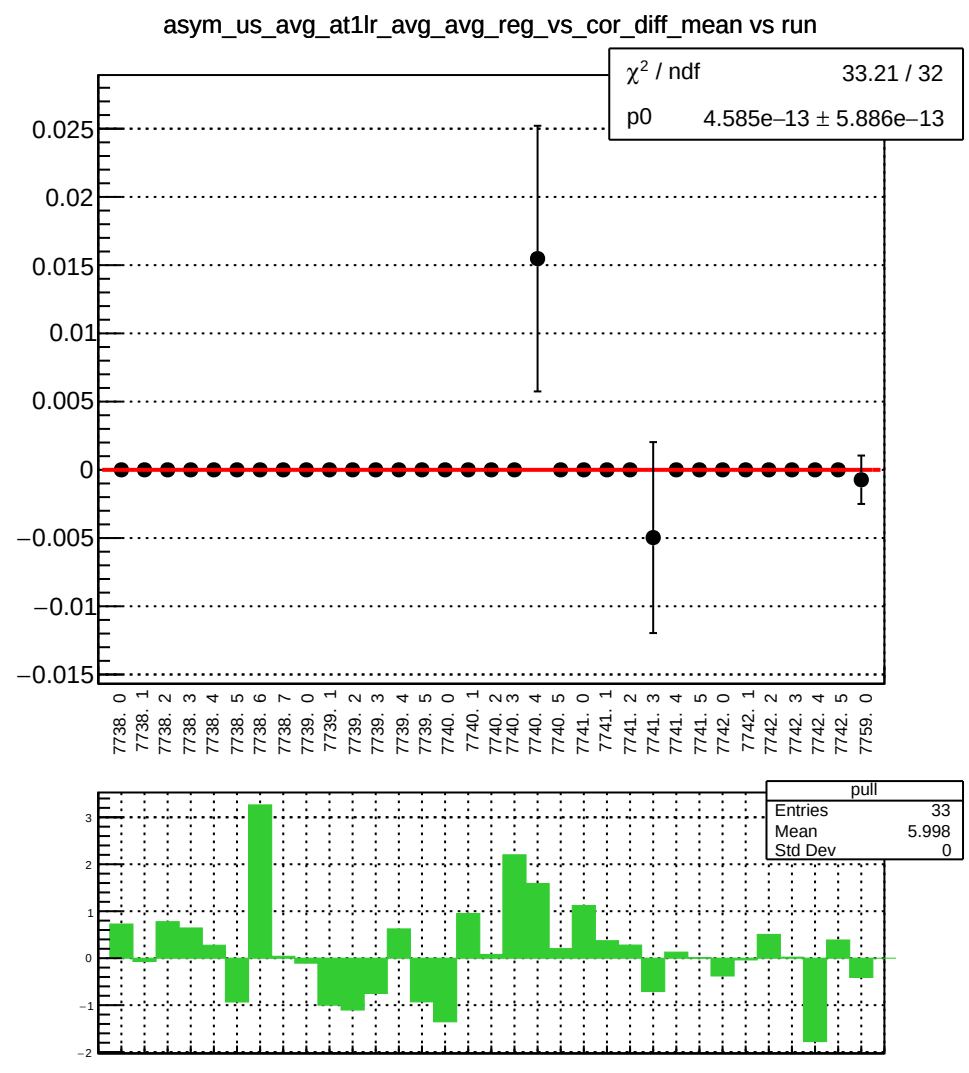

pull1D
Entries 33
Mean −0.03137
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

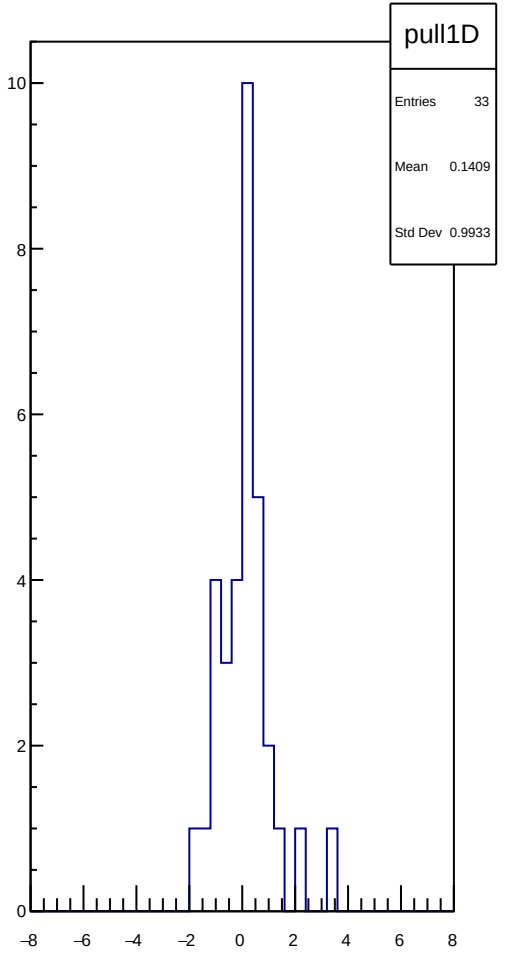

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3872 / 32
p0 2989 ± 3.682
3600
3400
3200
3000
2800
2600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

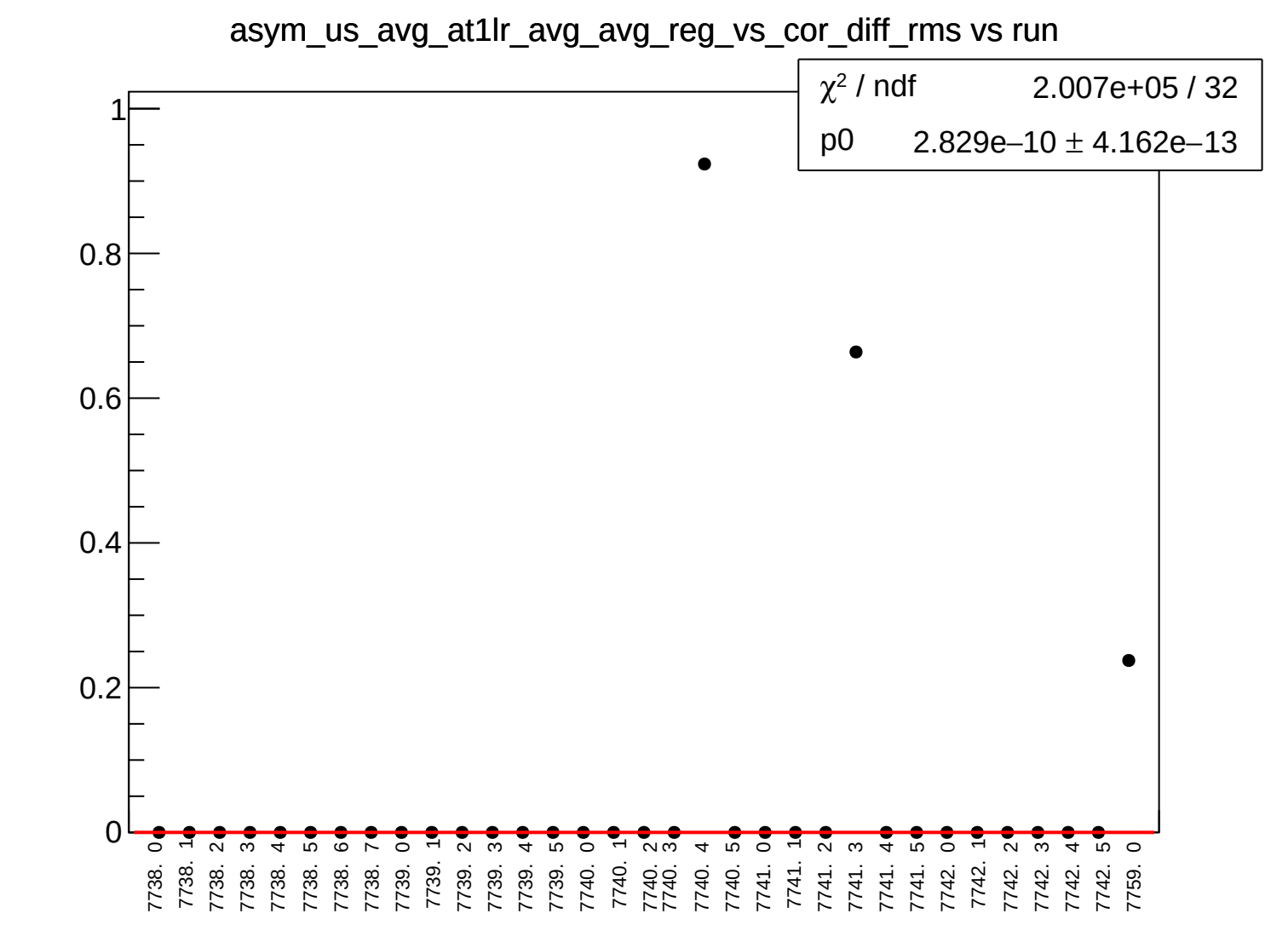

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 39.98 / 32
p0 3711 ± 6884
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −69.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

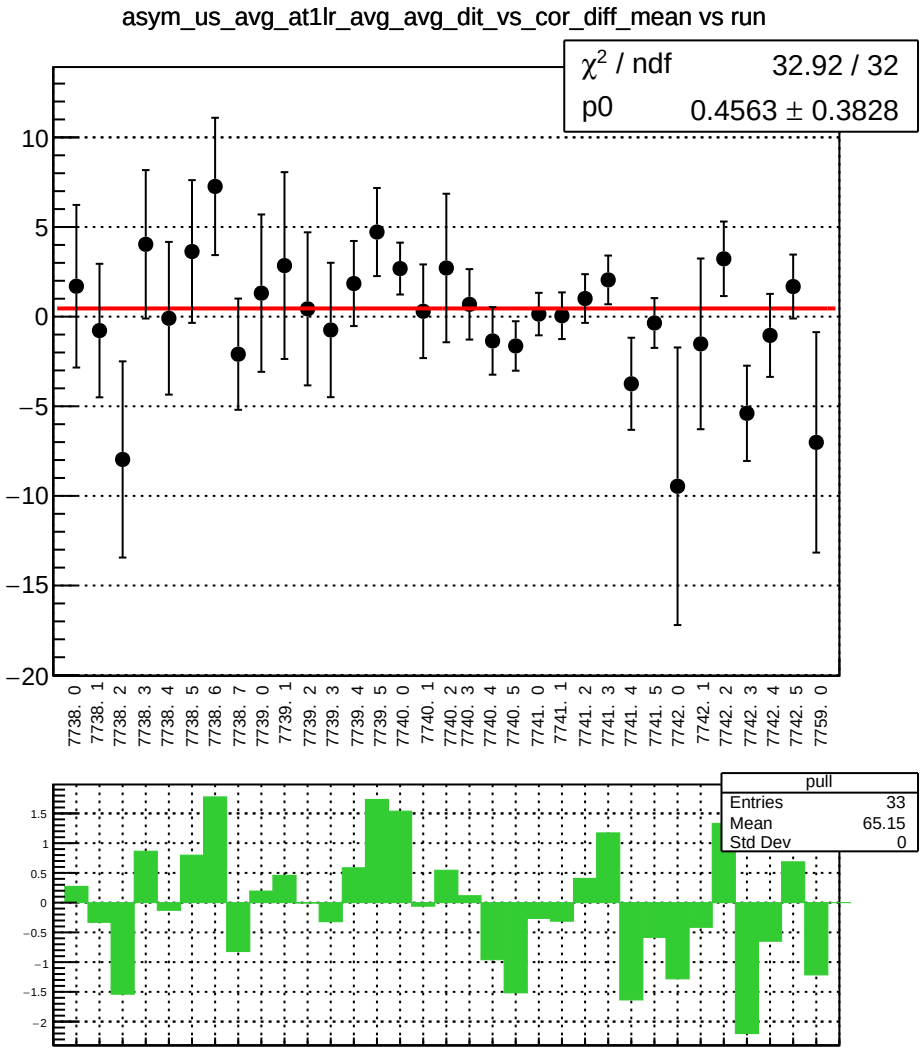

pull1D
Entries 33
Mean 0.008475
Std Dev 1.101
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

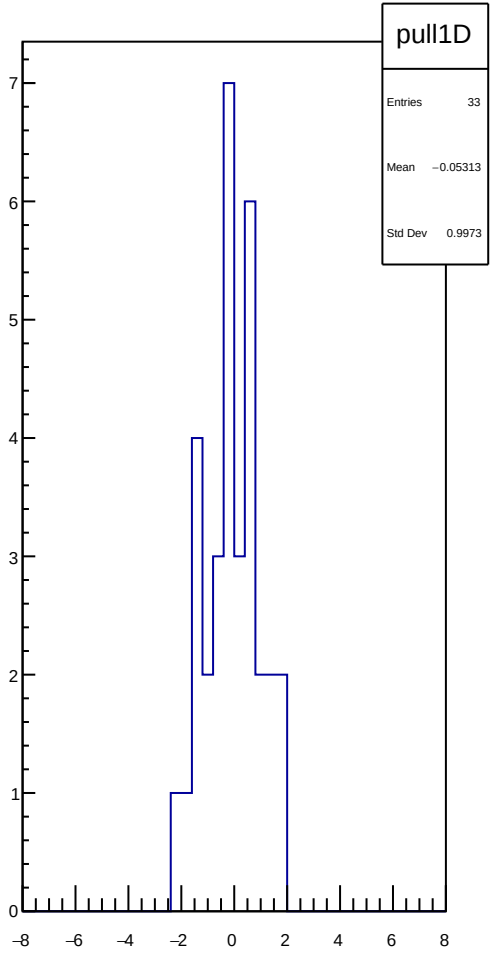

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 2784 / 32
p0 3954 ± 4.867
4600
4400
4200
4000
3800
3600
3400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

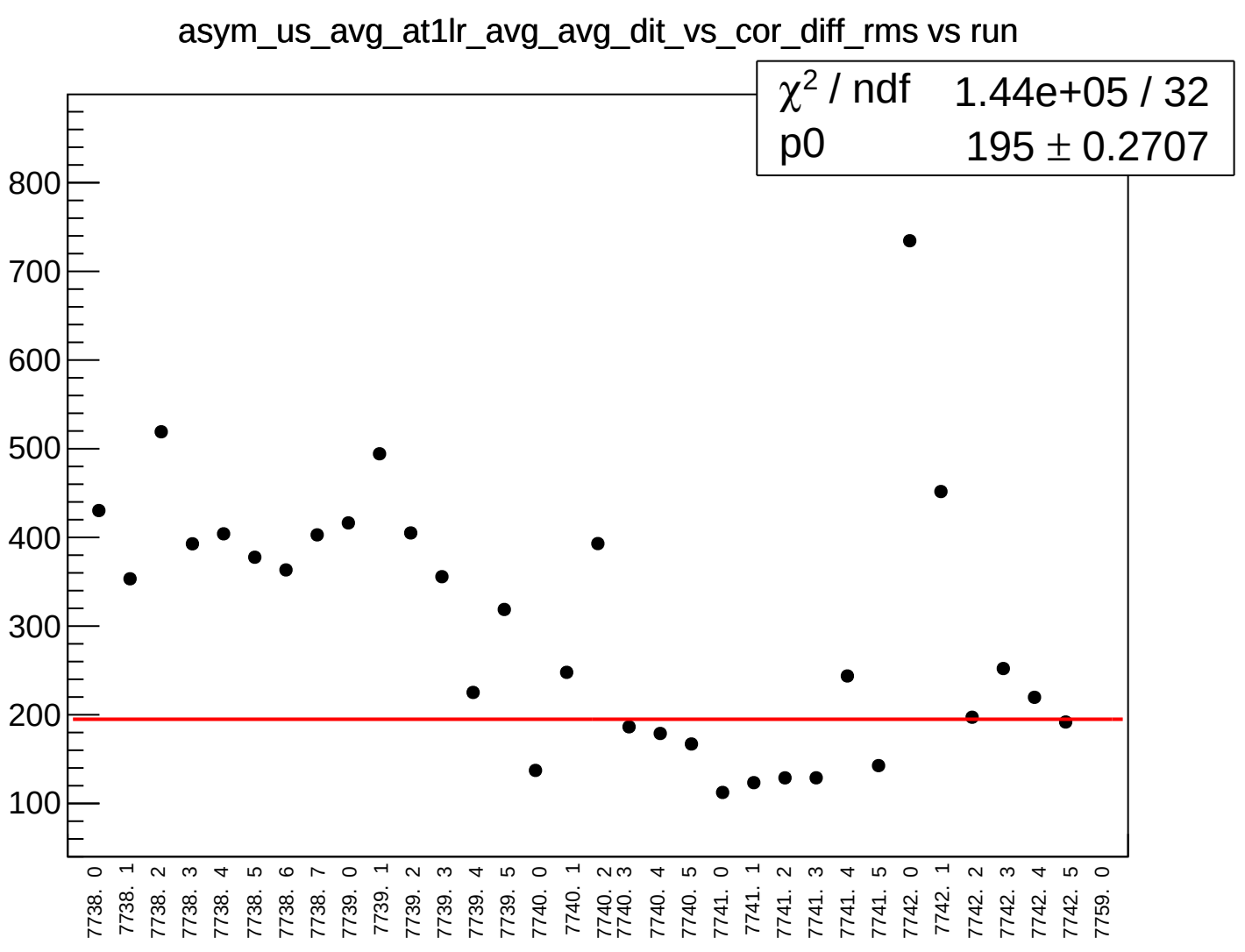

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 33.21 / 32
p0 4.585e−13 ± 5.886e−13
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.998
Std Dev 0
3
2
1
0
−1
−2

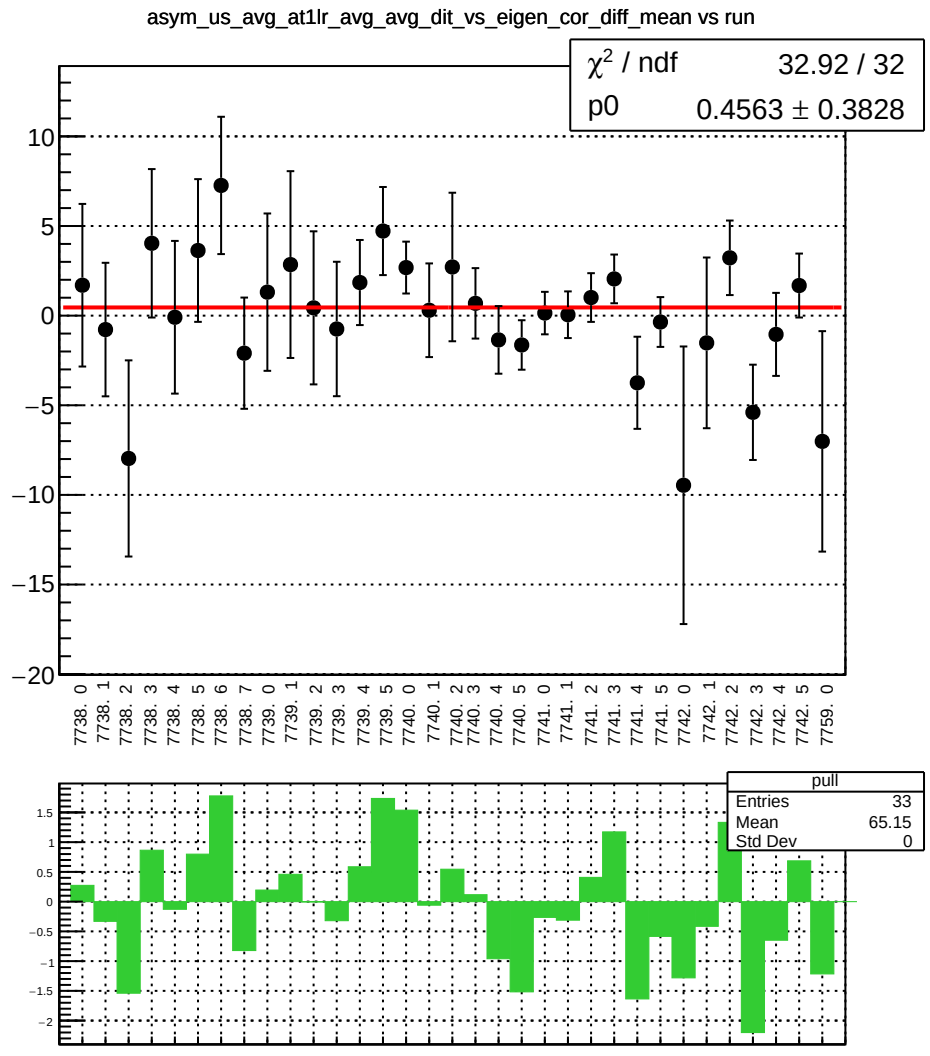

pull1D
Entries 33
Mean 0.1409
Std Dev 0.9933
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

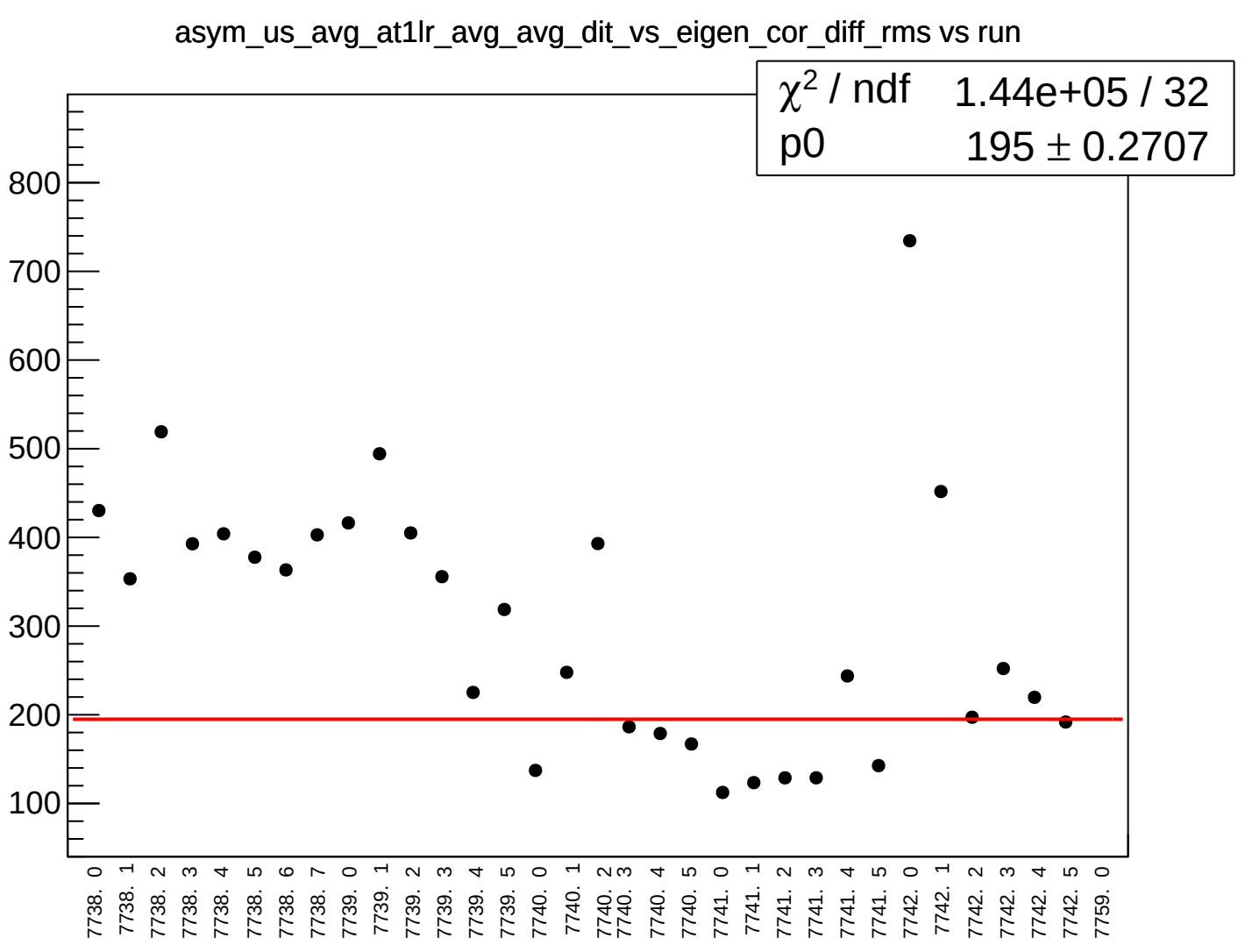

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.007e+05 / 32
p0 2.829e−10 ± 4.162e−13
1
0.8
0.6
0.4
0.2
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

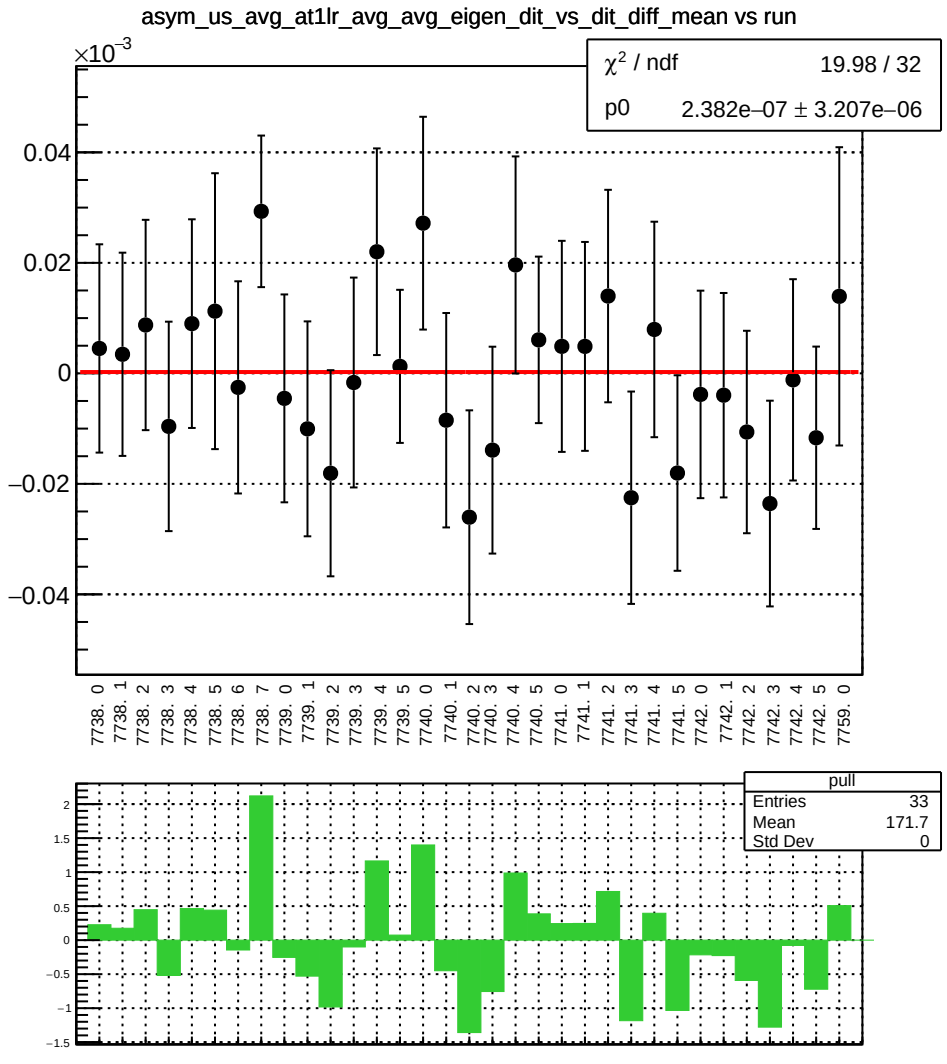

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 32.92 / 32
p0 0.4563 ± 0.3828
pull
Entries 33
Mean 65.15
Std Dev 0

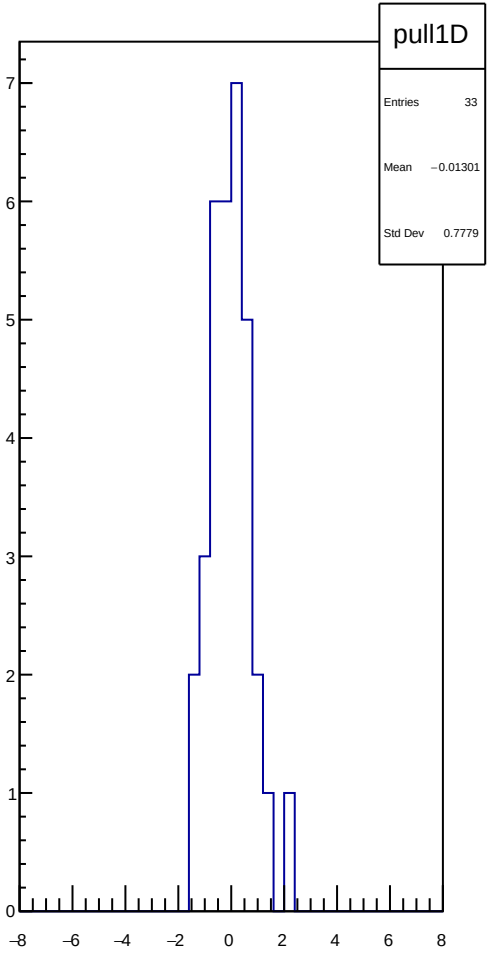

pull1D
Entries 33
Mean −0.05313
Std Dev 0.9973

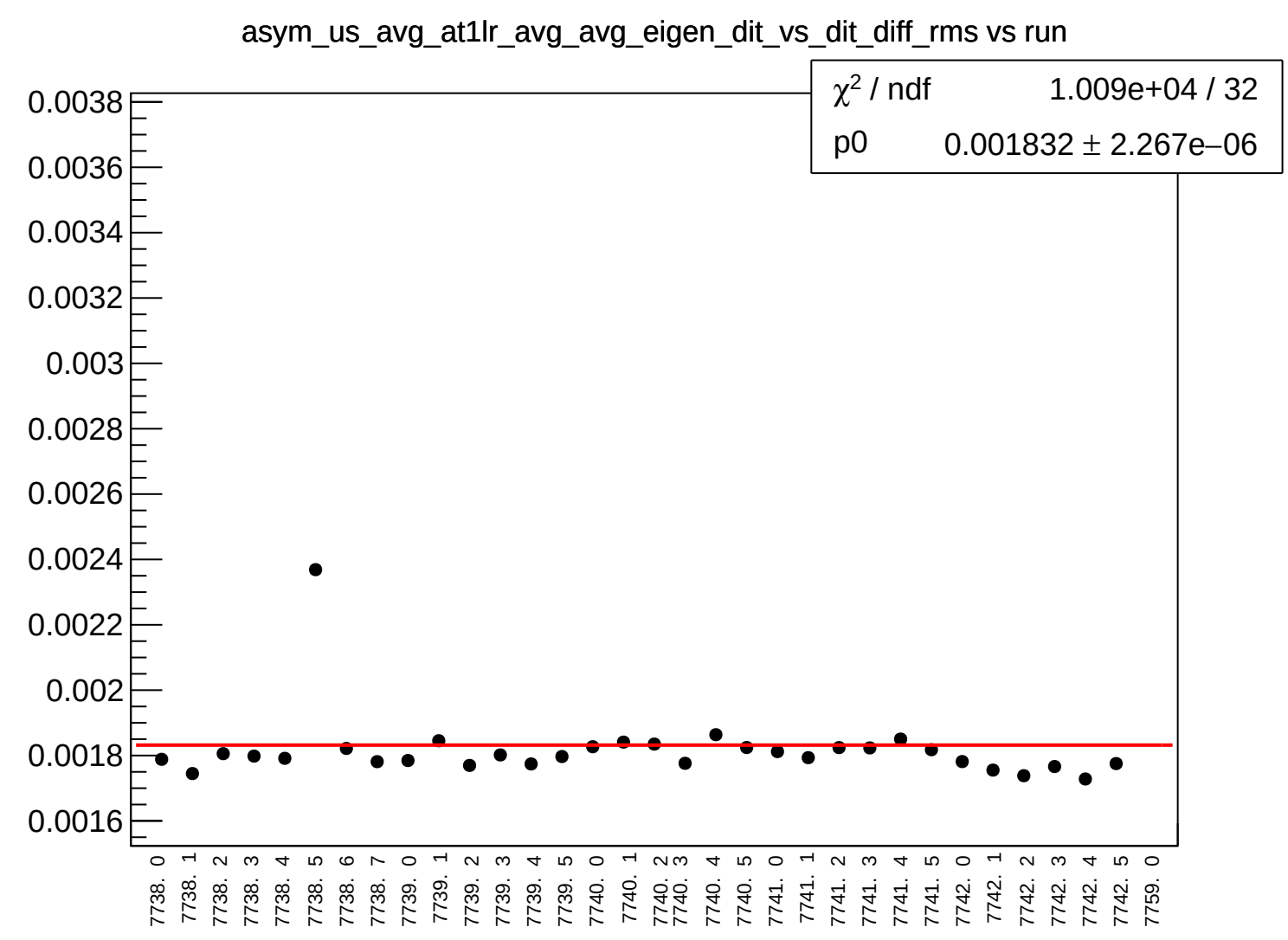

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.44e+05 / 32
p0 195 ± 0.2707
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

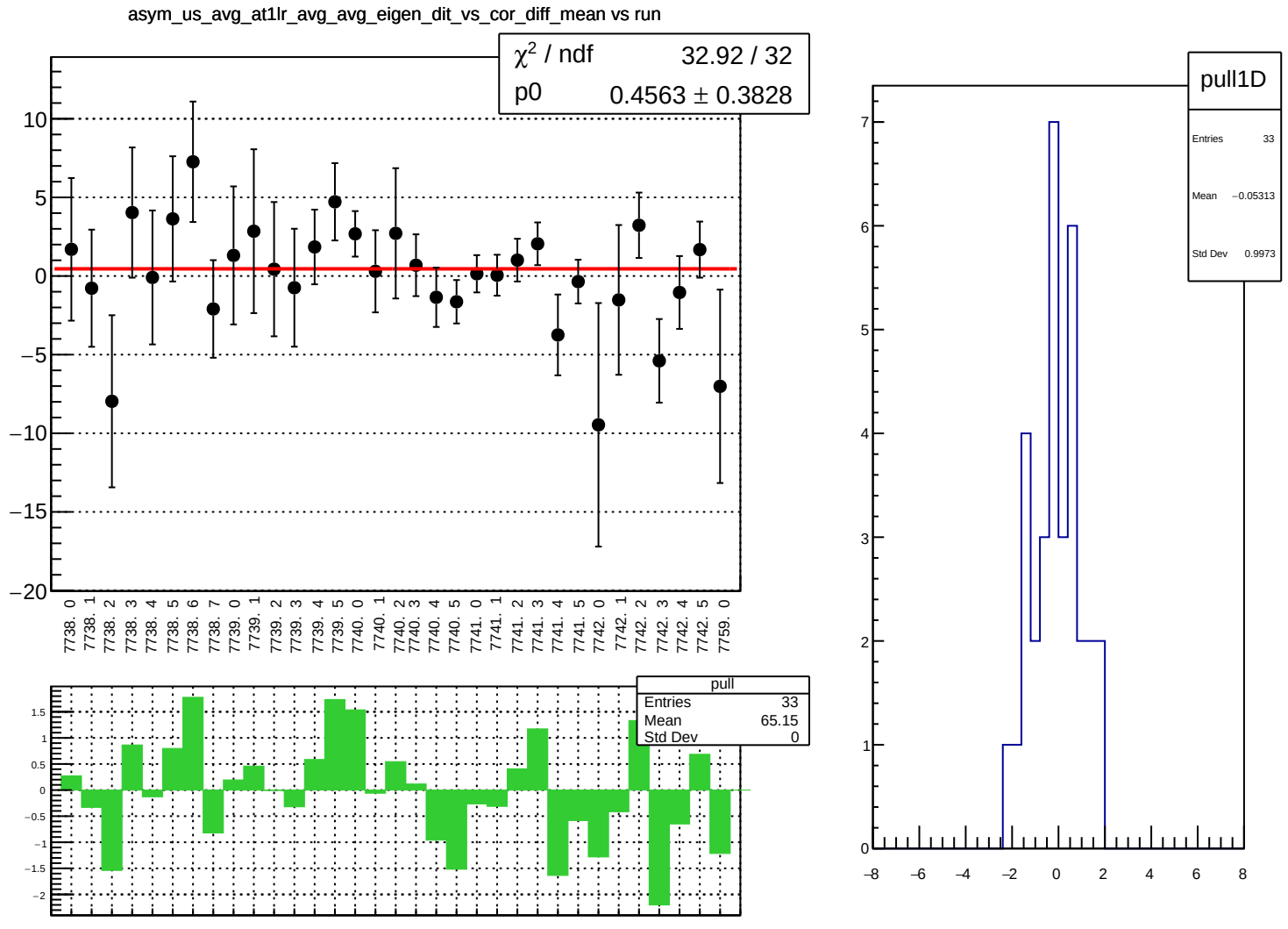

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.92 / 32
p0 0.4563 ± 0.3828
pull
Entries 33
Mean 65.15
Std Dev 0
pull1D
Entries 33
Mean −0.05313
Std Dev 0.9973

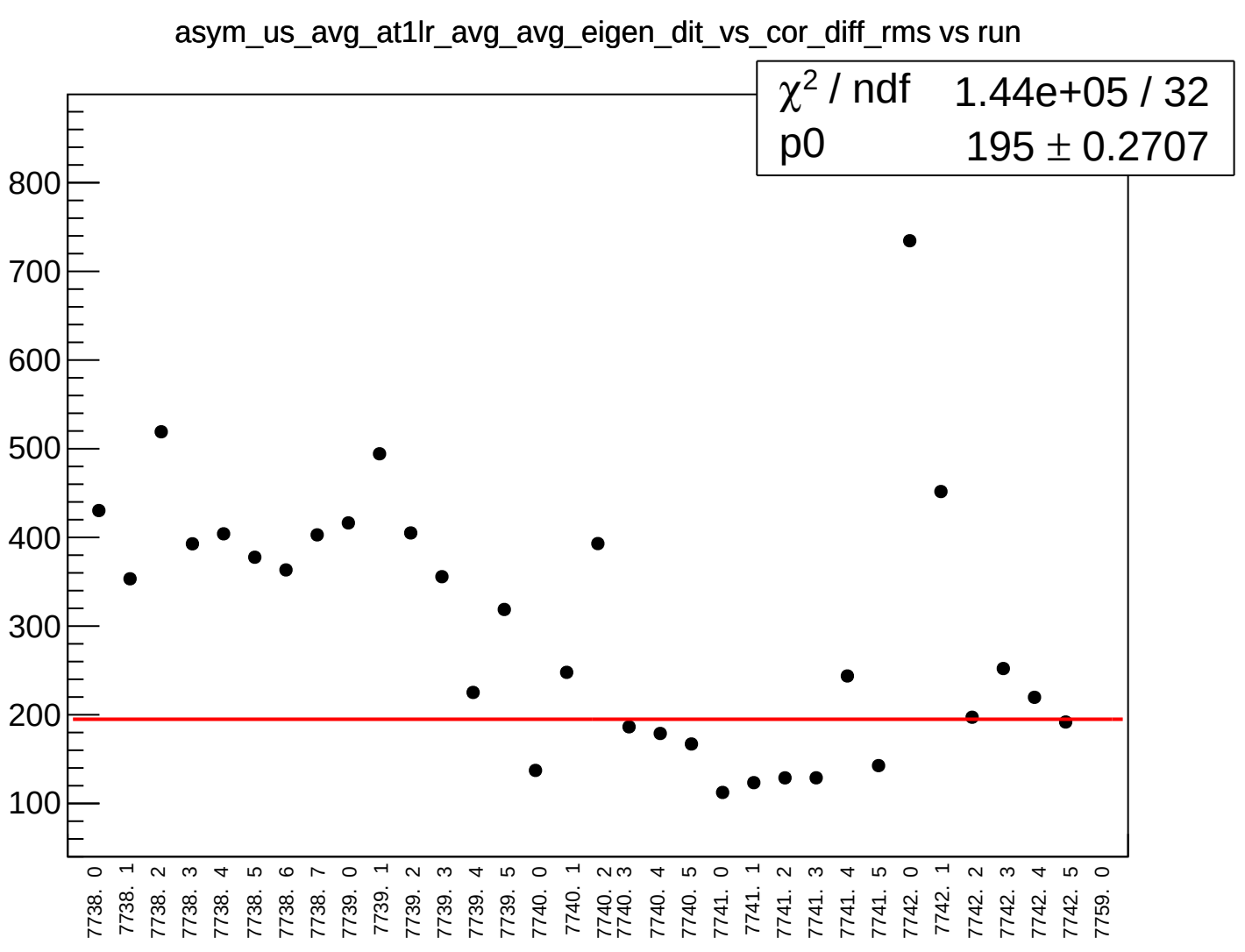

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.44e+05 / 32
p0 195 ± 0.2707
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

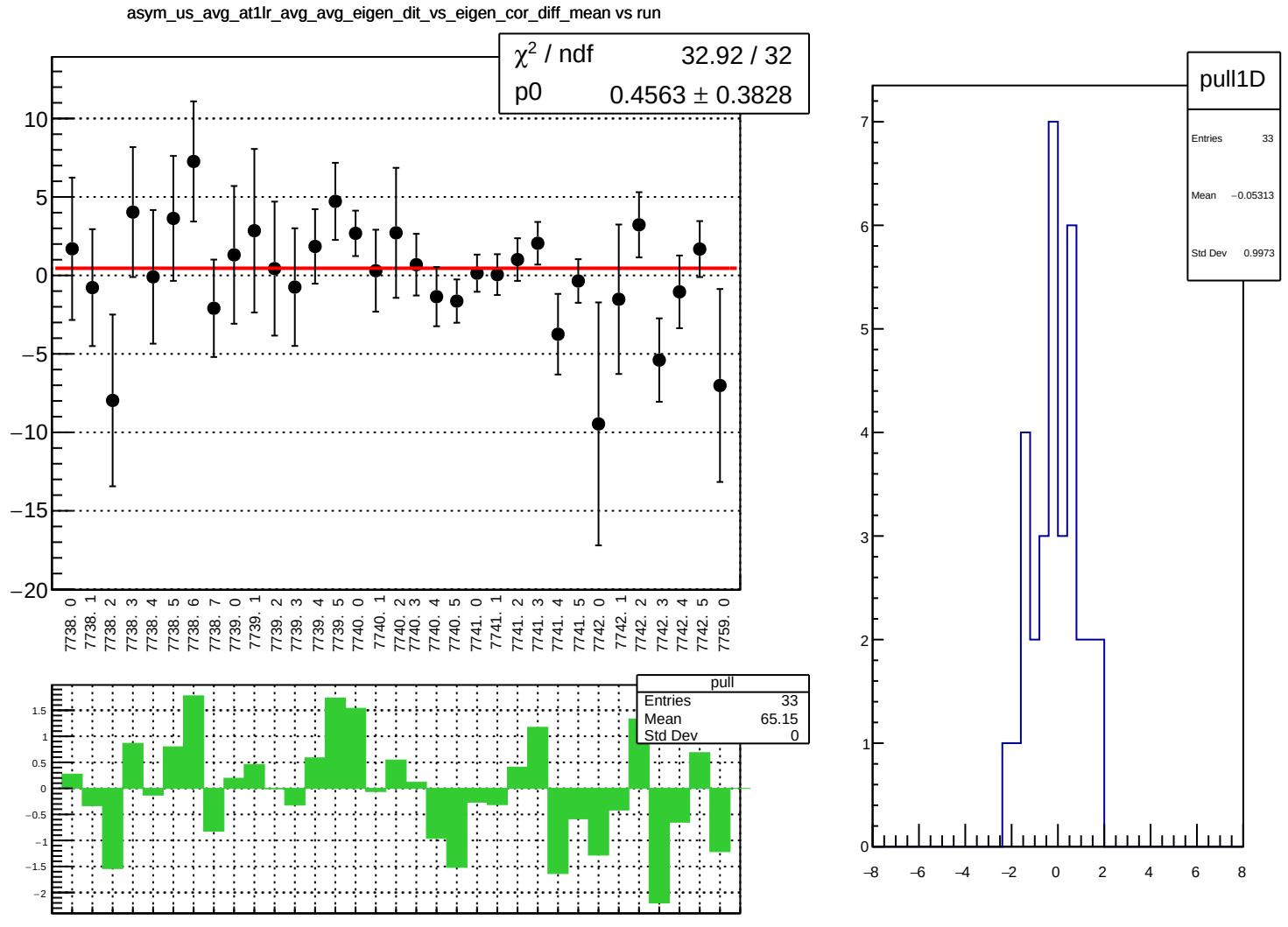

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 19.98 / 32
p0 2.382e−07 ± 3.207e−06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 171.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

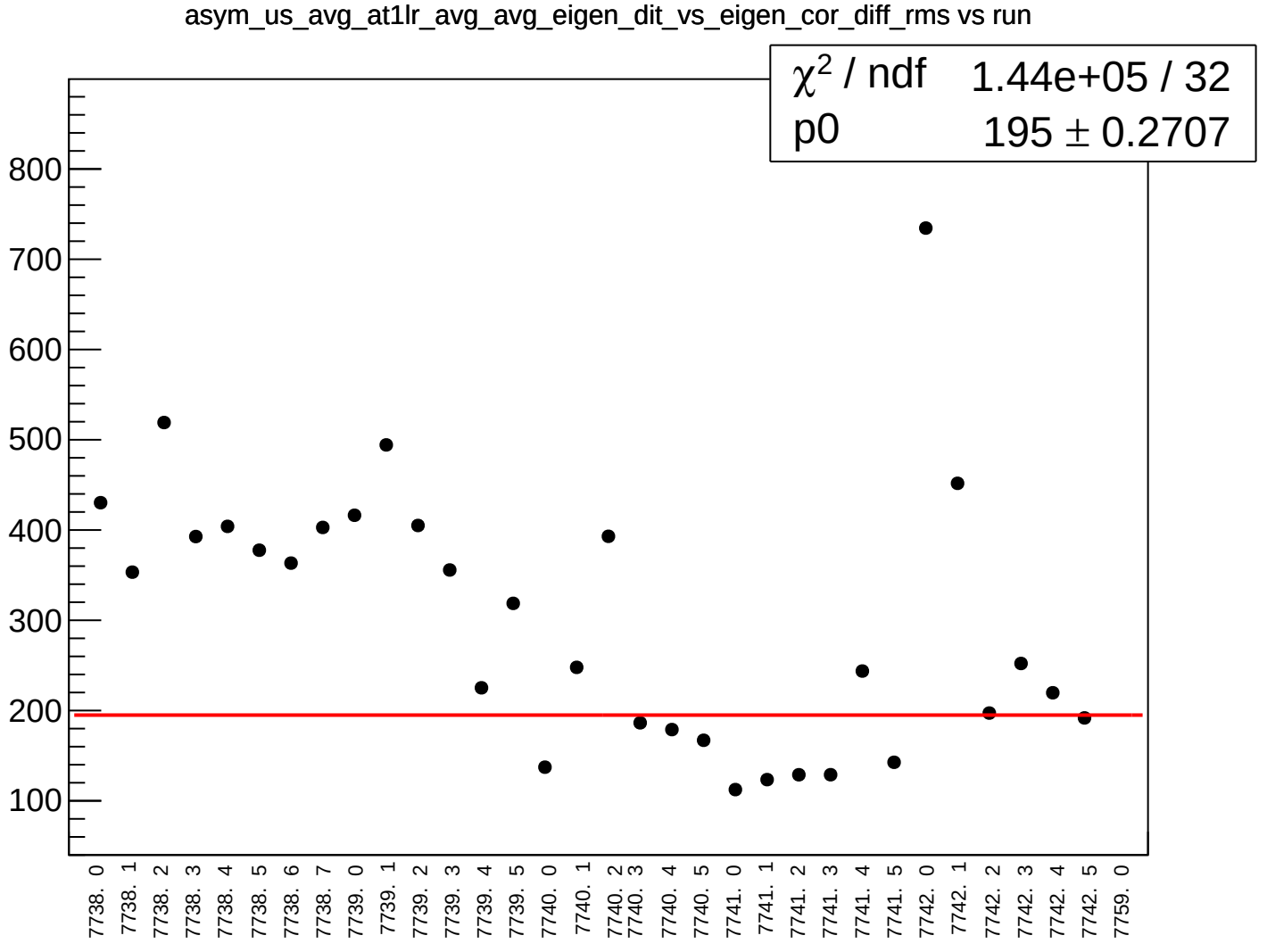

pull1D
Entries 33
Mean −0.01301
Std Dev 0.7779
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

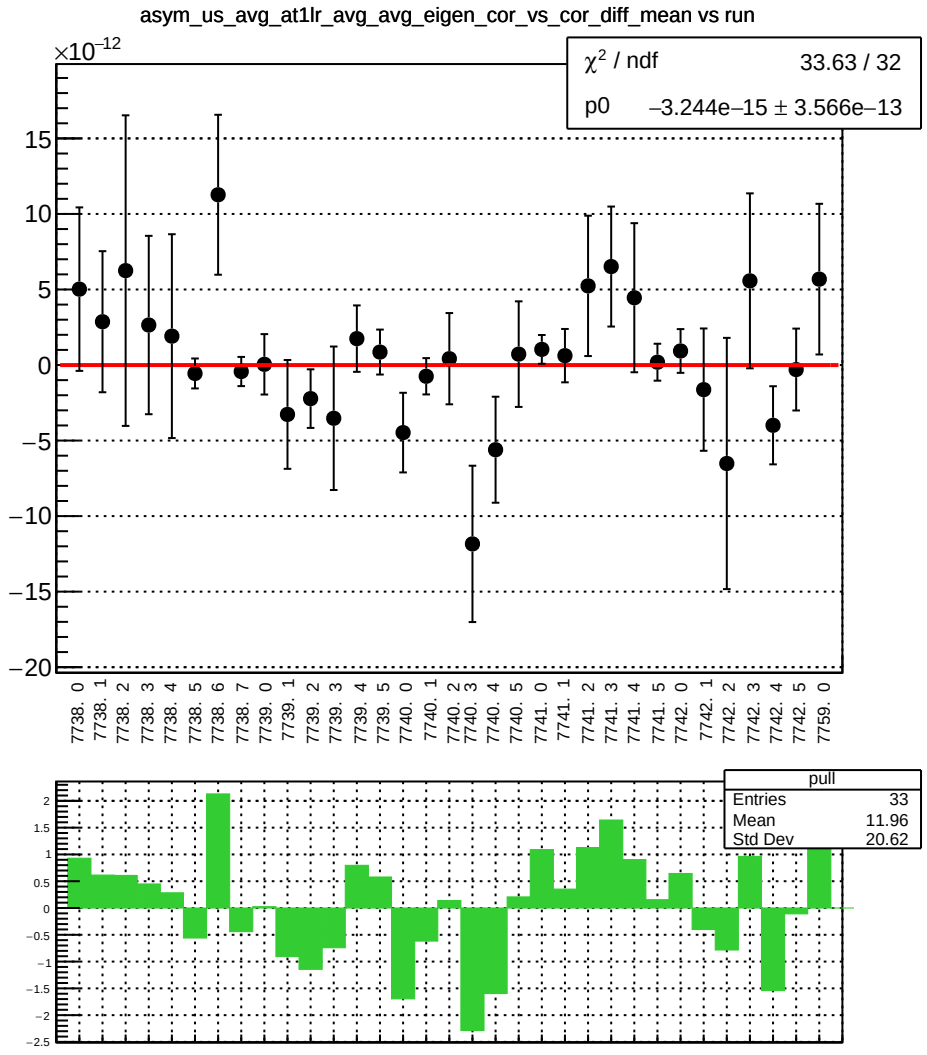

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.009e+04 / 32
p0 0.001832 ± 2.267e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

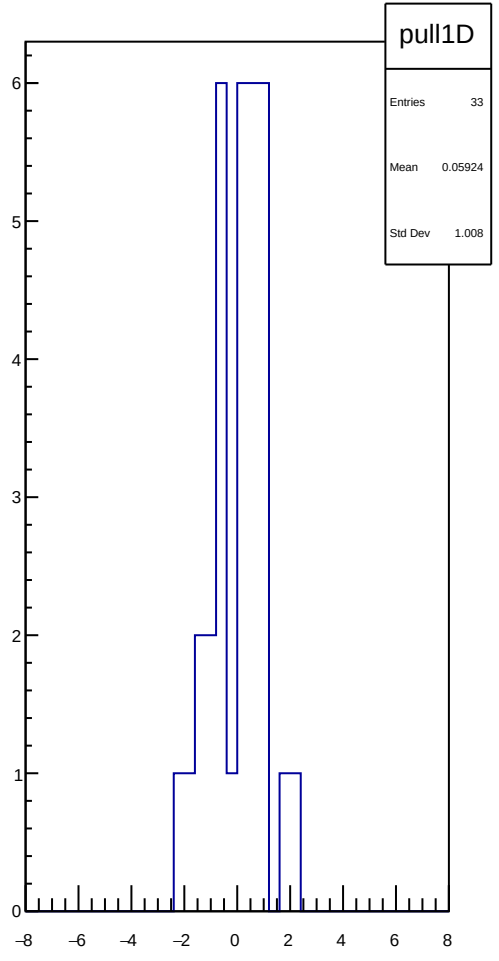

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 32.92 / 32
p0 0.4563 ± 0.3828
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 65.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.05313
Std Dev 0.9973
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

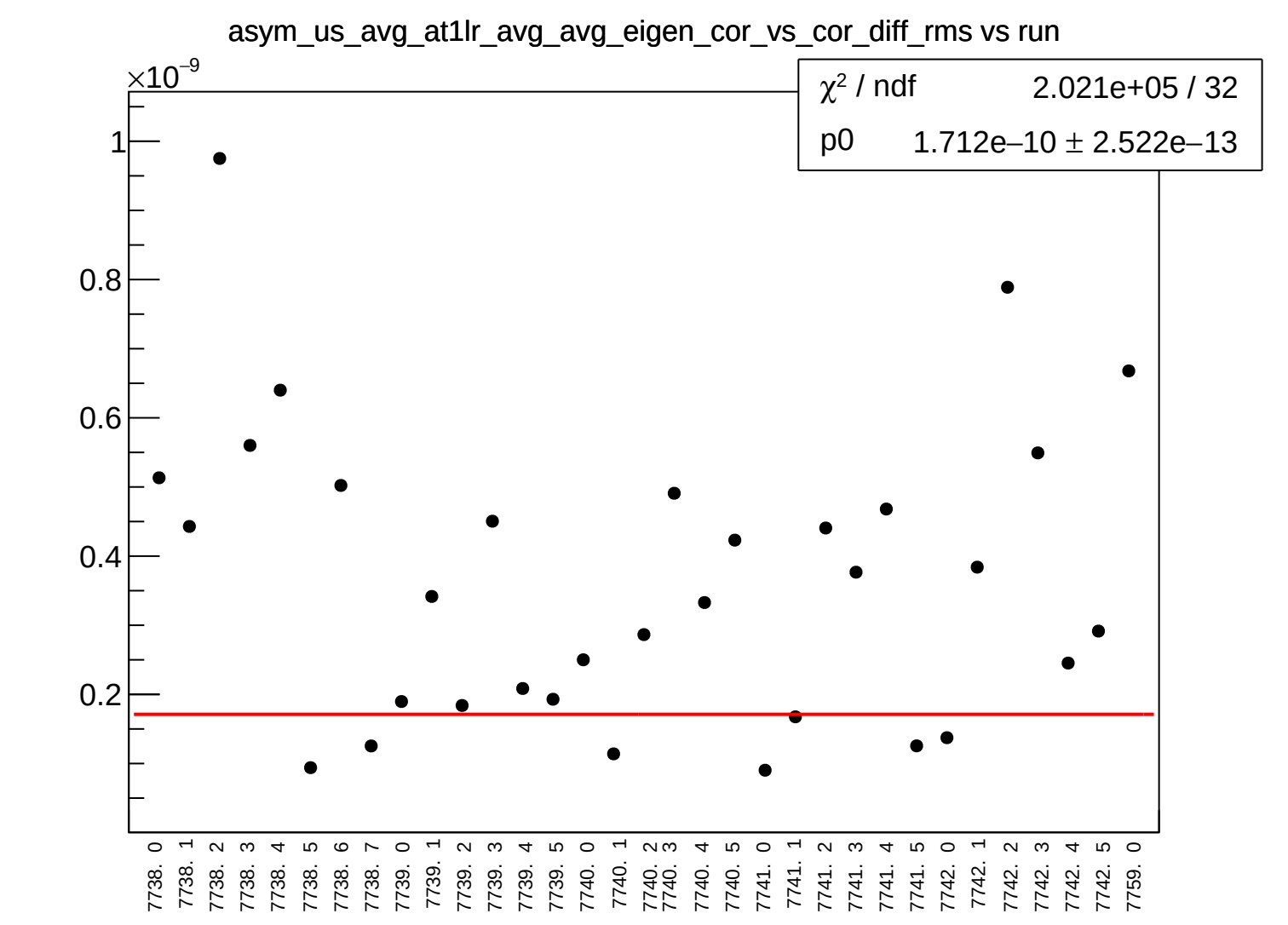

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.44e+05 / 32
p0 195 ± 0.2707
800
700
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

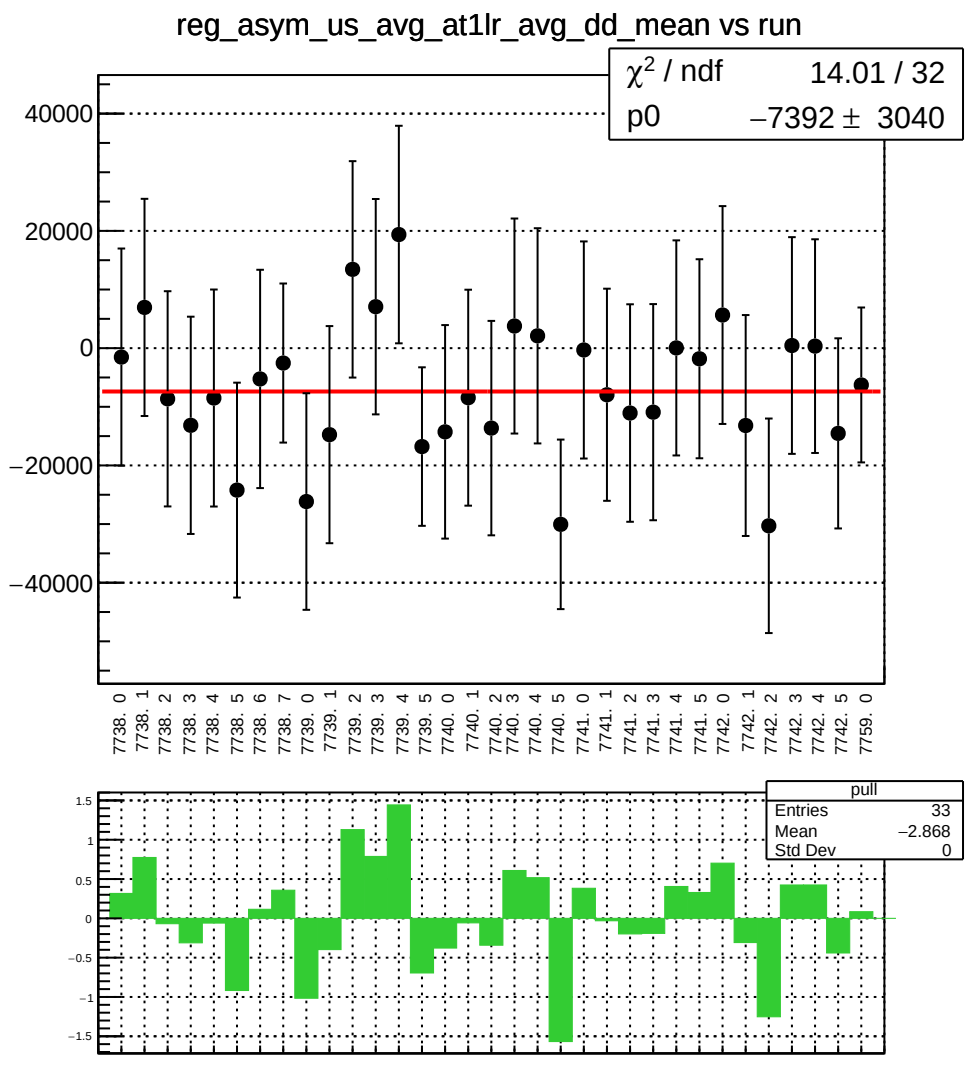

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.92 / 32
p0 0.4563 ± 0.3828
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 65.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.05313
Std Dev 0.9973
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

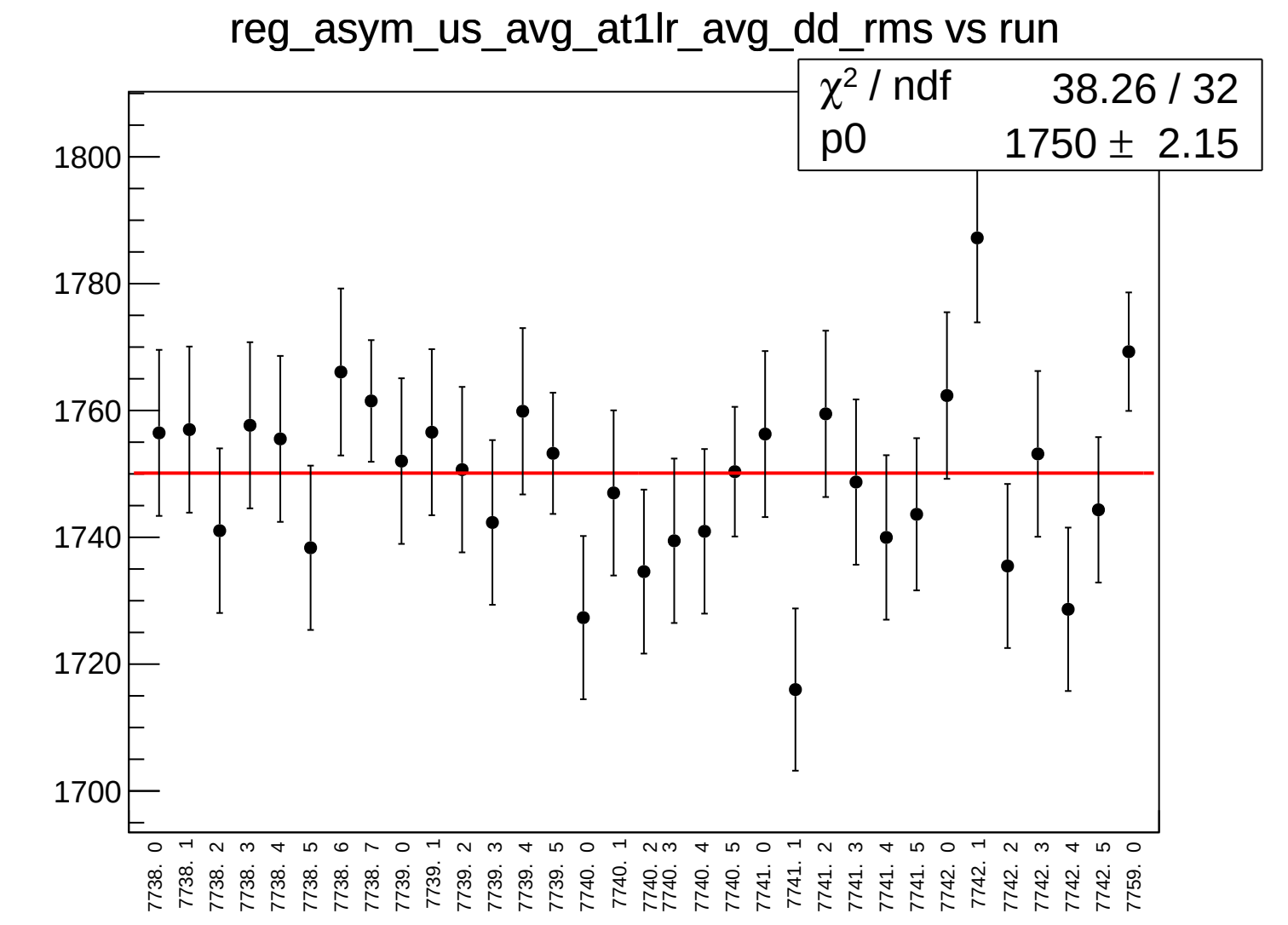

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.44e+05 / 32
p0 195 ± 0.2707
800
700
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

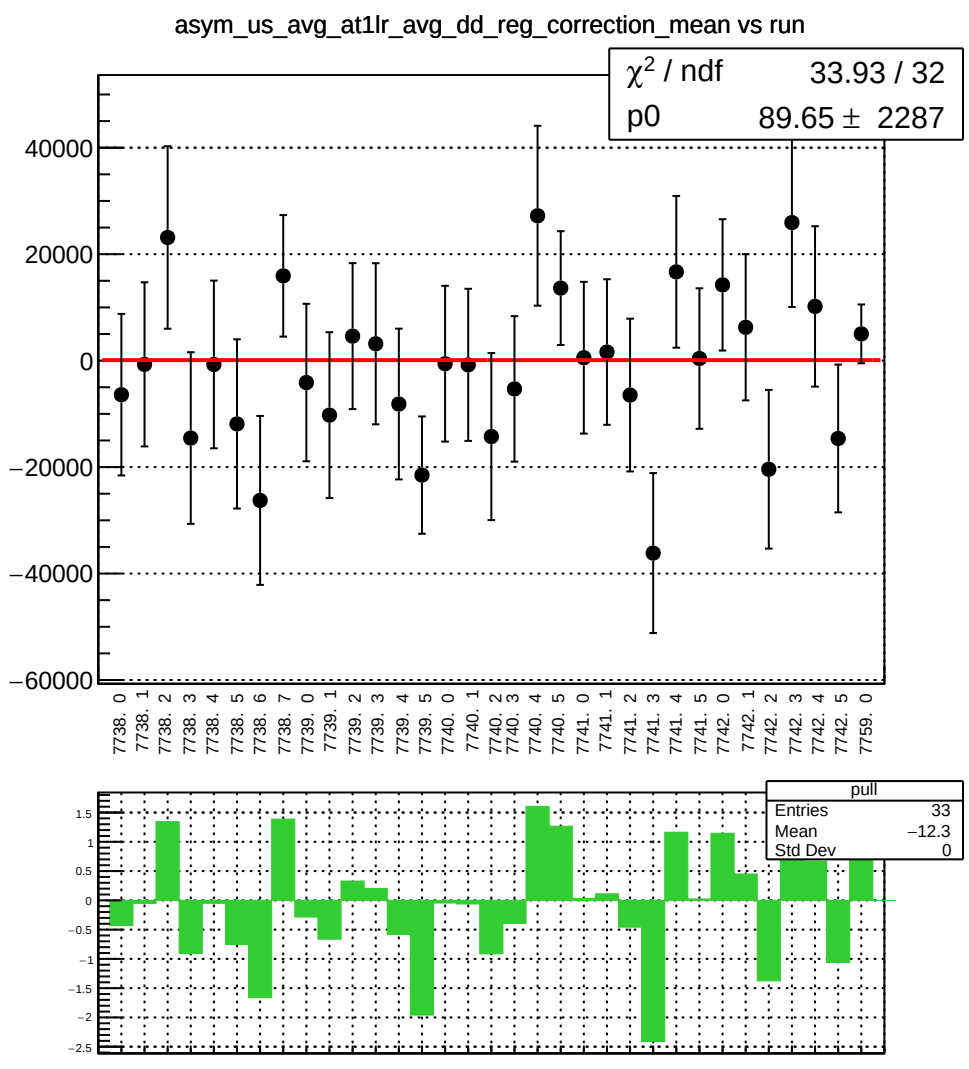

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.63 / 32
p0 −3.244e−15 ± 3.566e−13
pull
Entries 33
Mean 11.96
Std Dev 20.62

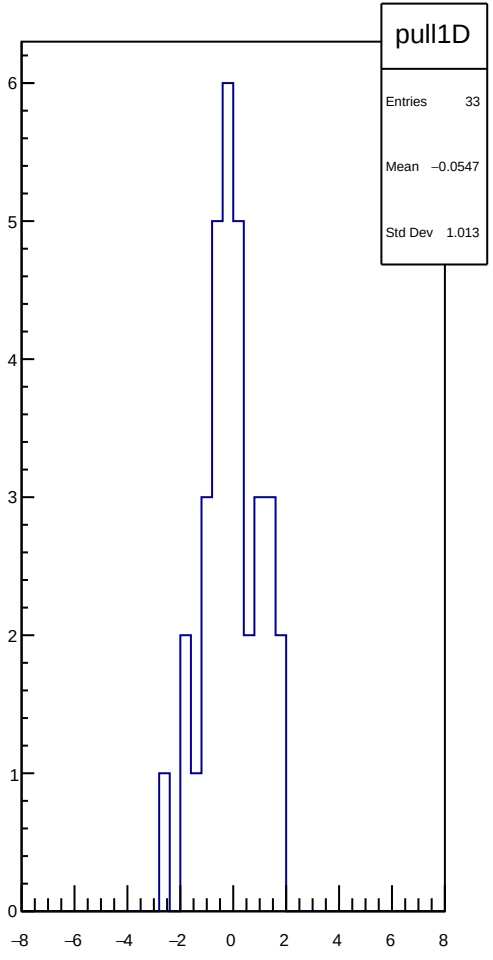

pull1D
Entries 33
Mean 0.05924
Std Dev 1.008

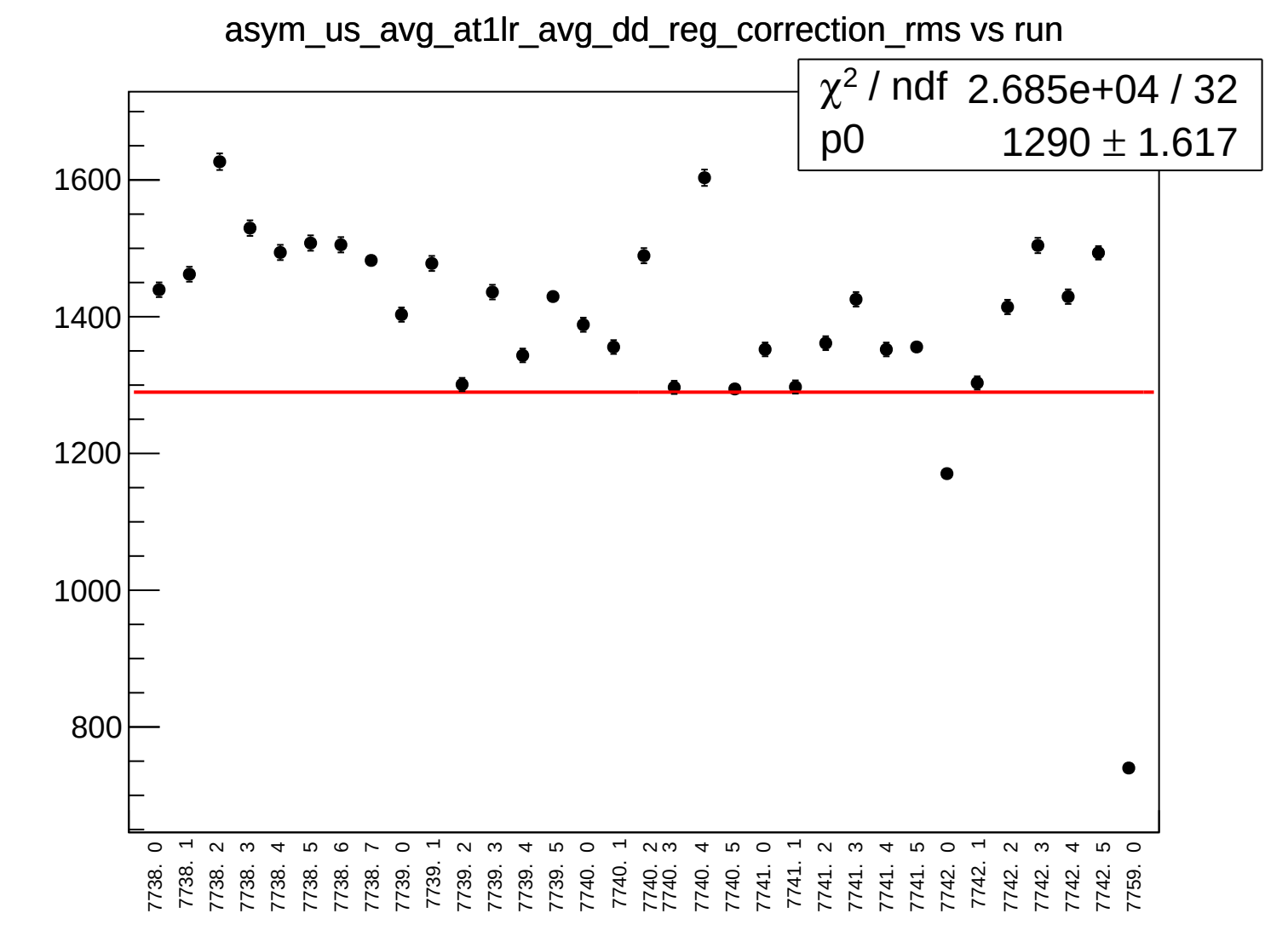

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.021e+05 / 32
p0 1.712e−10 ± 2.522e−13
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

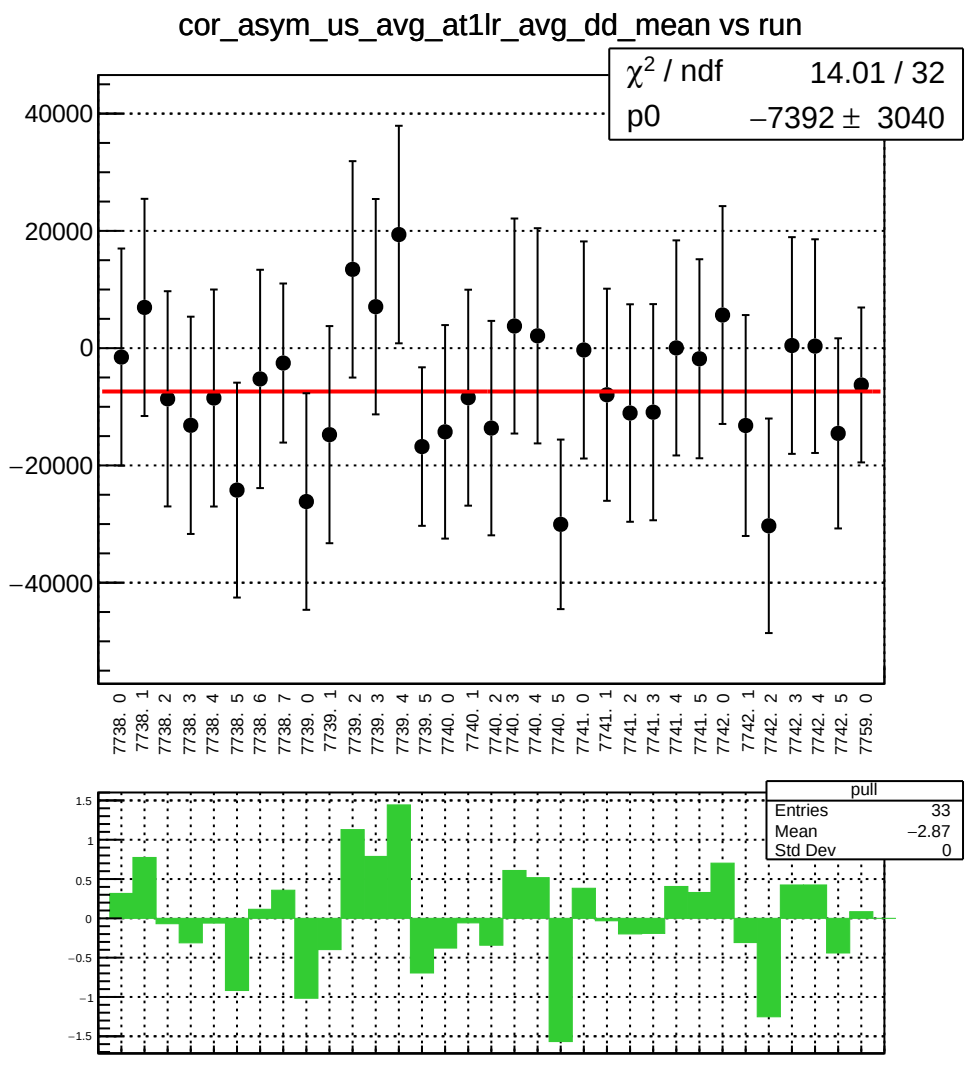

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 14.01 / 32
p0 −7392 ± 3040
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.868
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01737
Std Dev 0.6513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

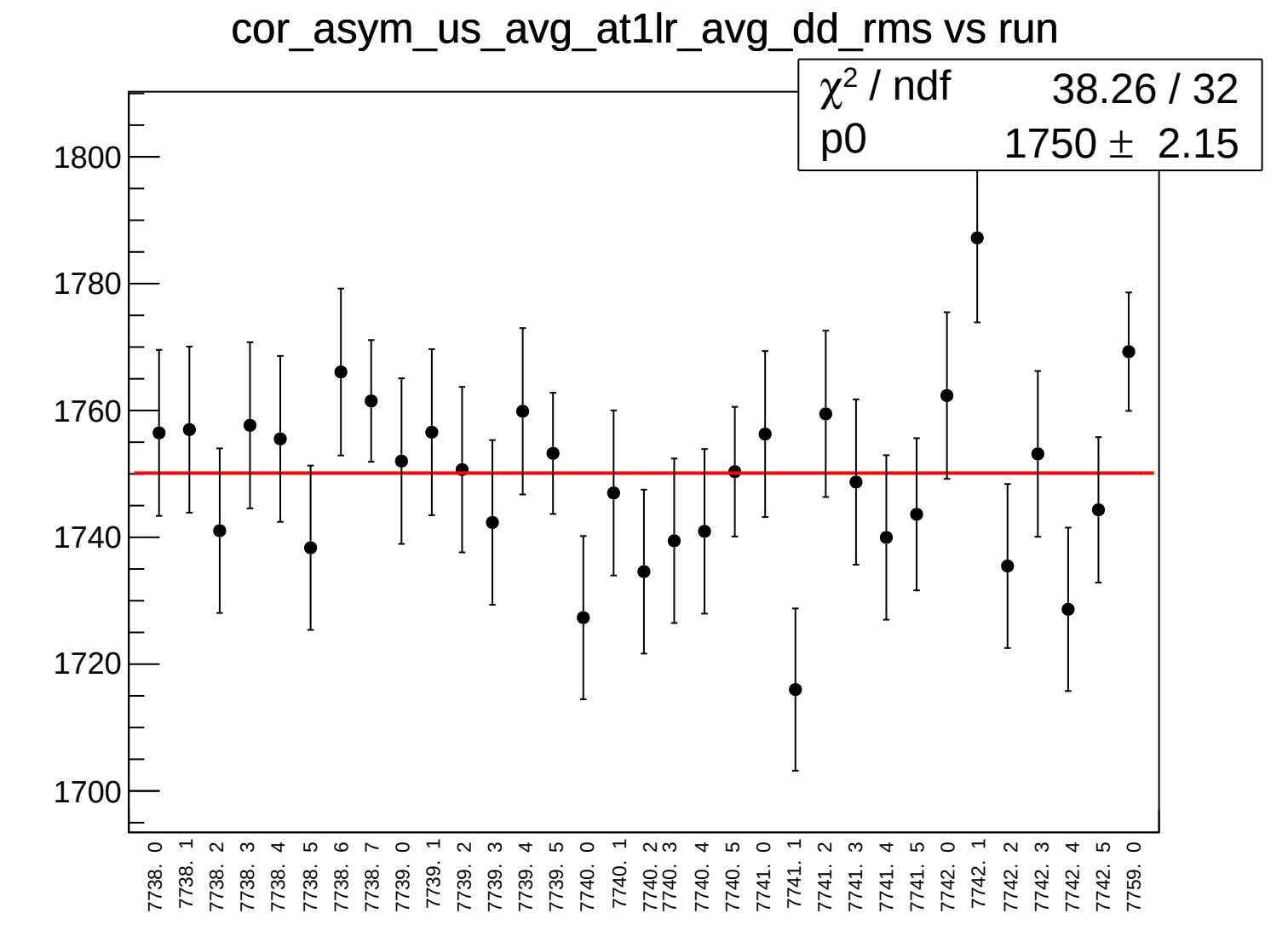

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 38.26 / 32
p0 1750 ± 2.15
1800
1780
1760
1740
1720
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

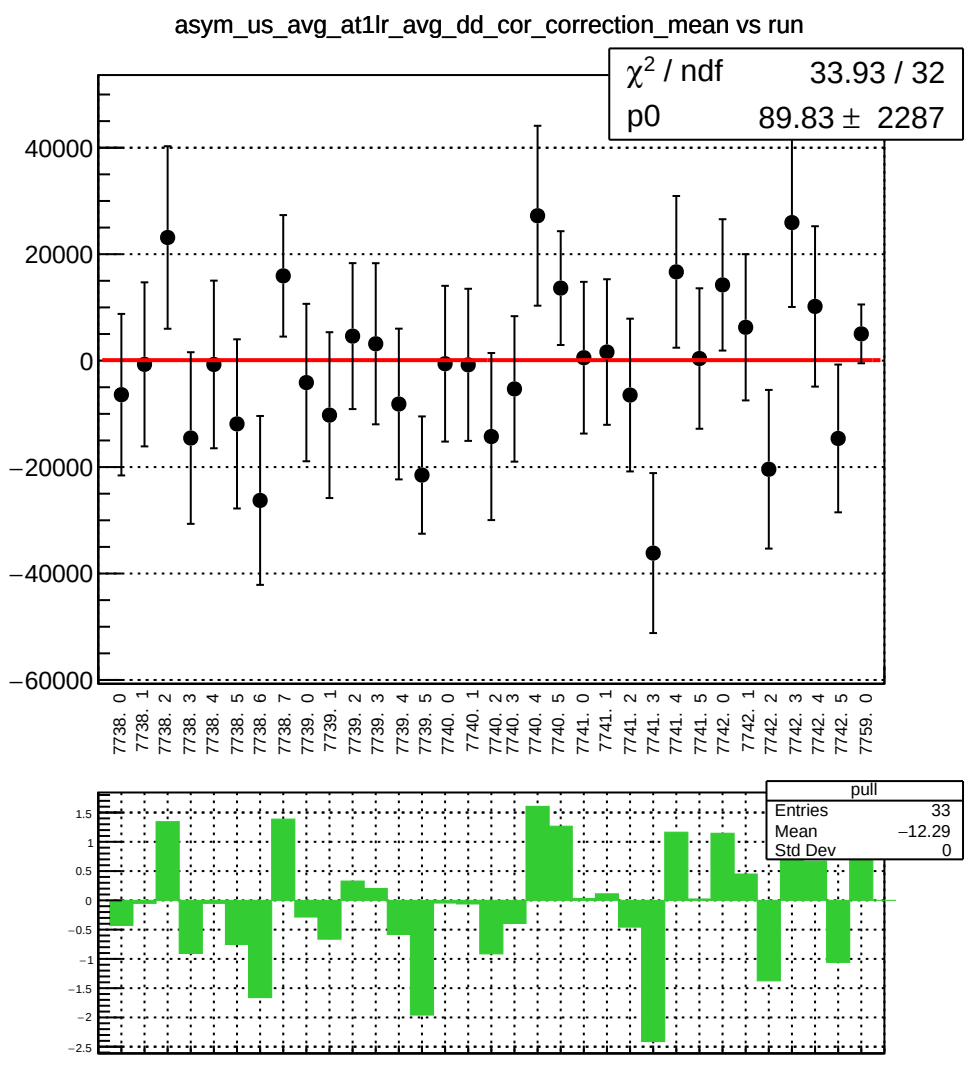

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 33.93 / 32
p0 89.65 ± 2287
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

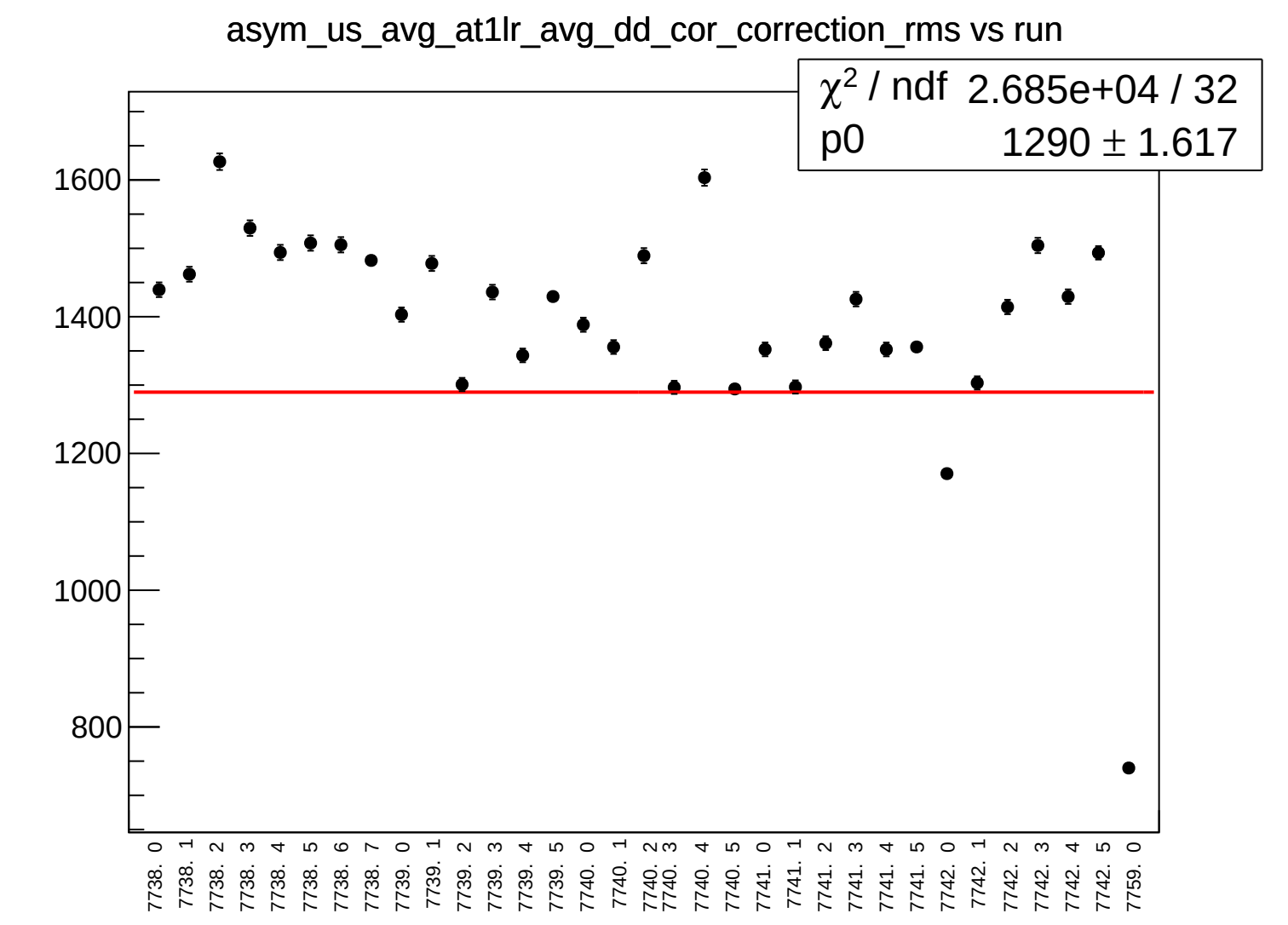

pull1D
Entries 33
Mean −0.0547
Std Dev 1.013
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

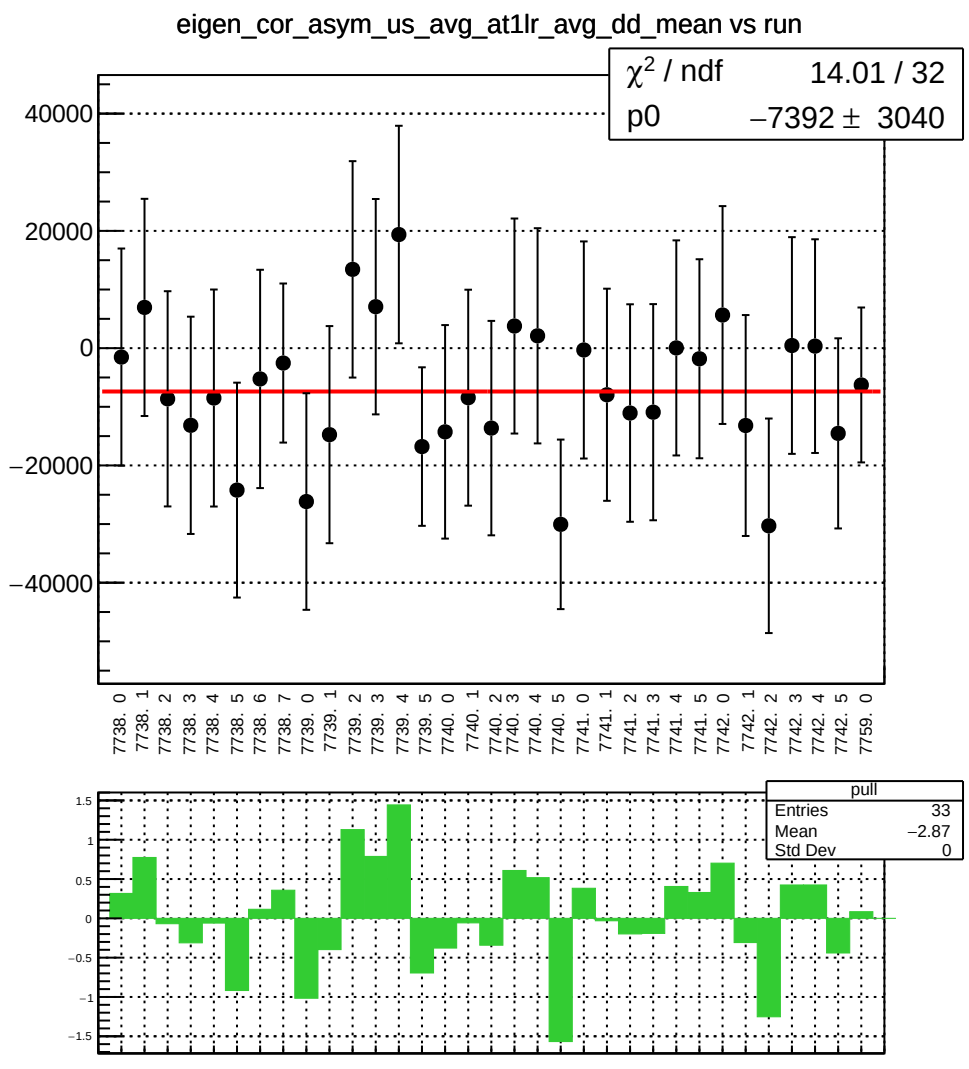

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.685e+04 / 32
p0 1290 ± 1.617
1600
1400
1200
1000
800
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

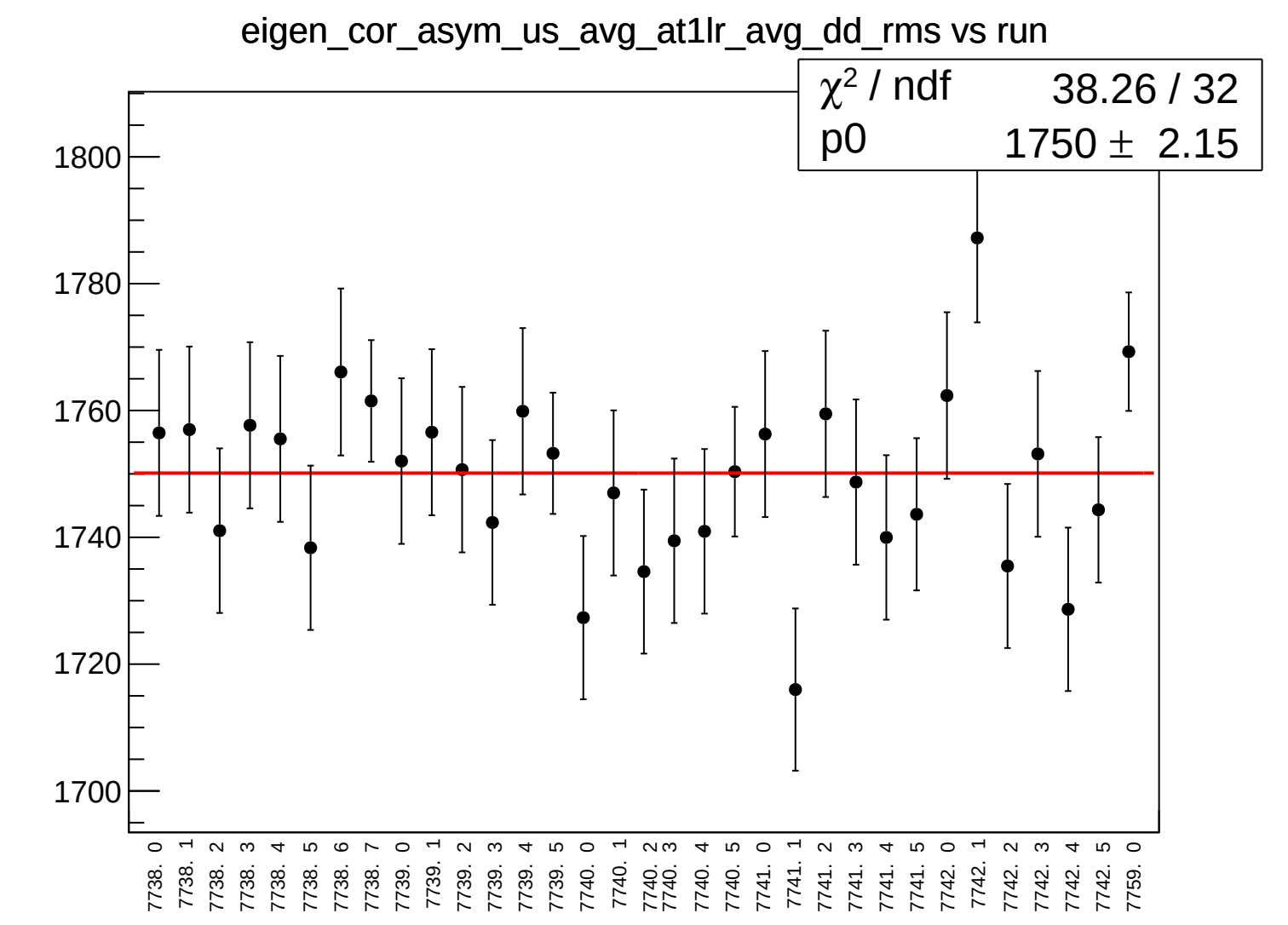

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 14.01 / 32
p0 −7392 ± 3040
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01737
Std Dev 0.6513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

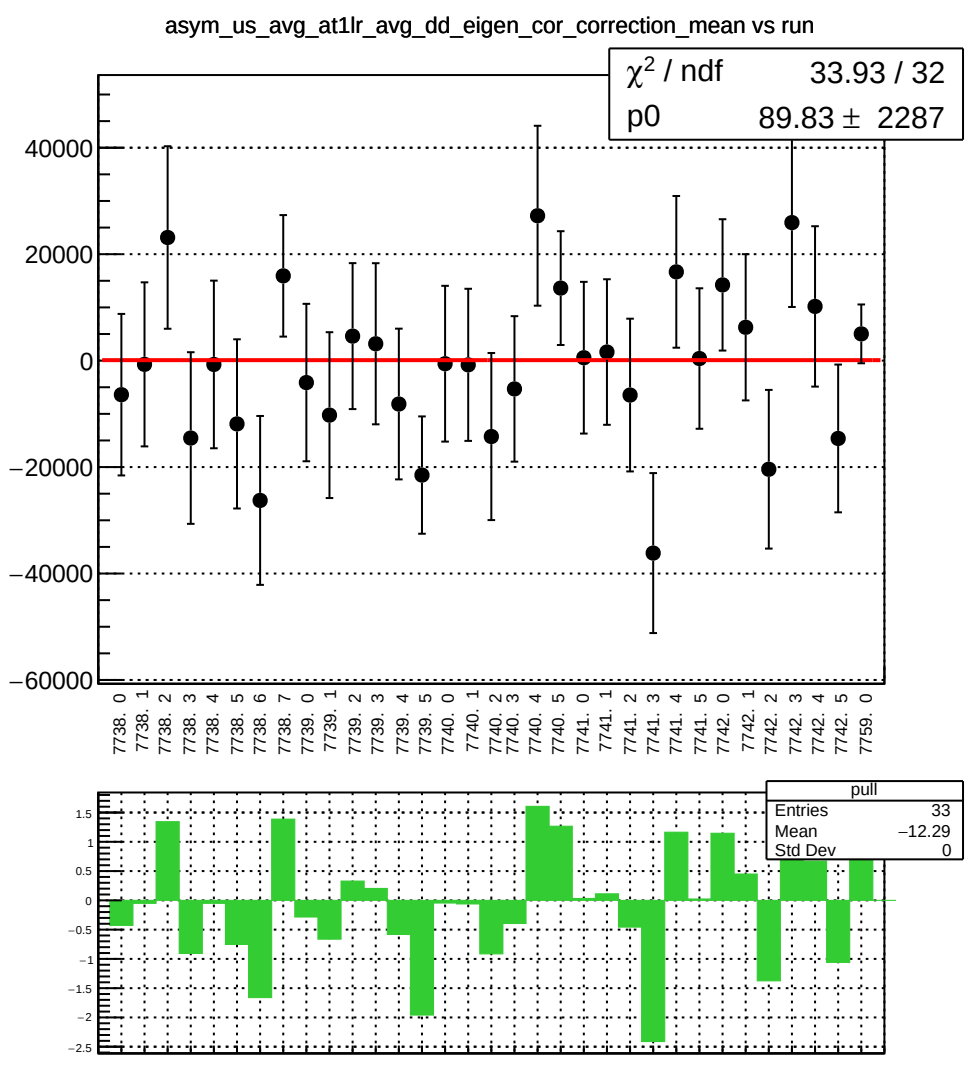

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 38.26 / 32
p0 1750 ± 2.15
1800
1780
1760
1740
1720
1700
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

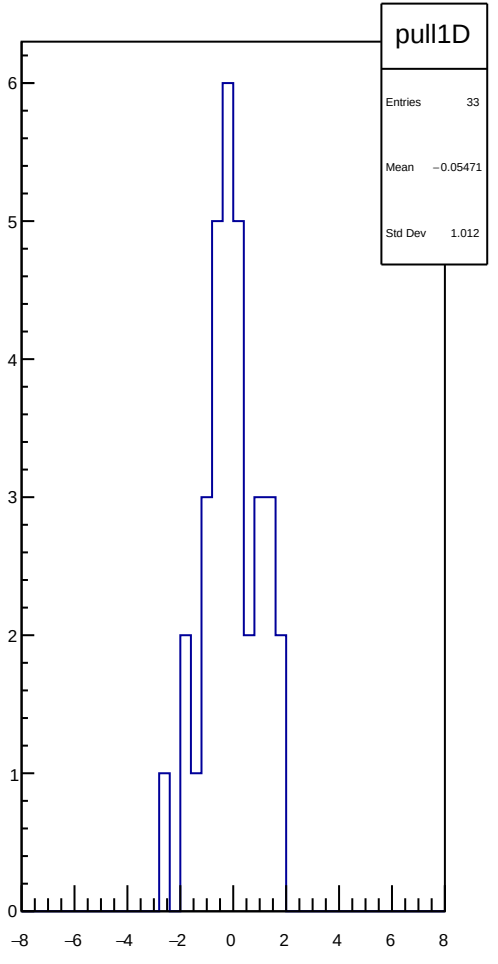

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 33.93 / 32
p0 89.83 ± 2287
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.05471
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

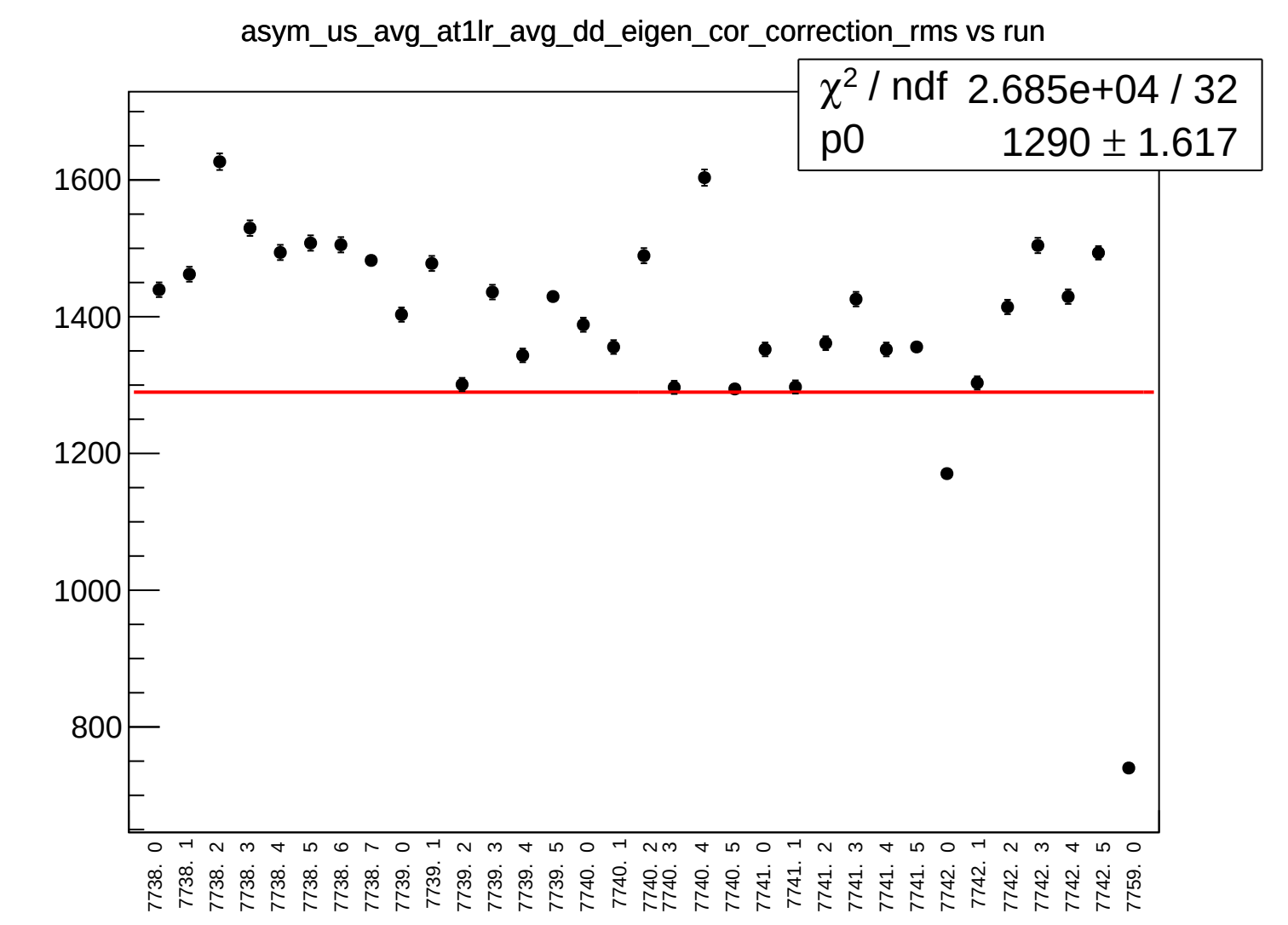

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.685e+04 / 32
p0 1290 ± 1.617
1600
1400
1200
1000
800
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

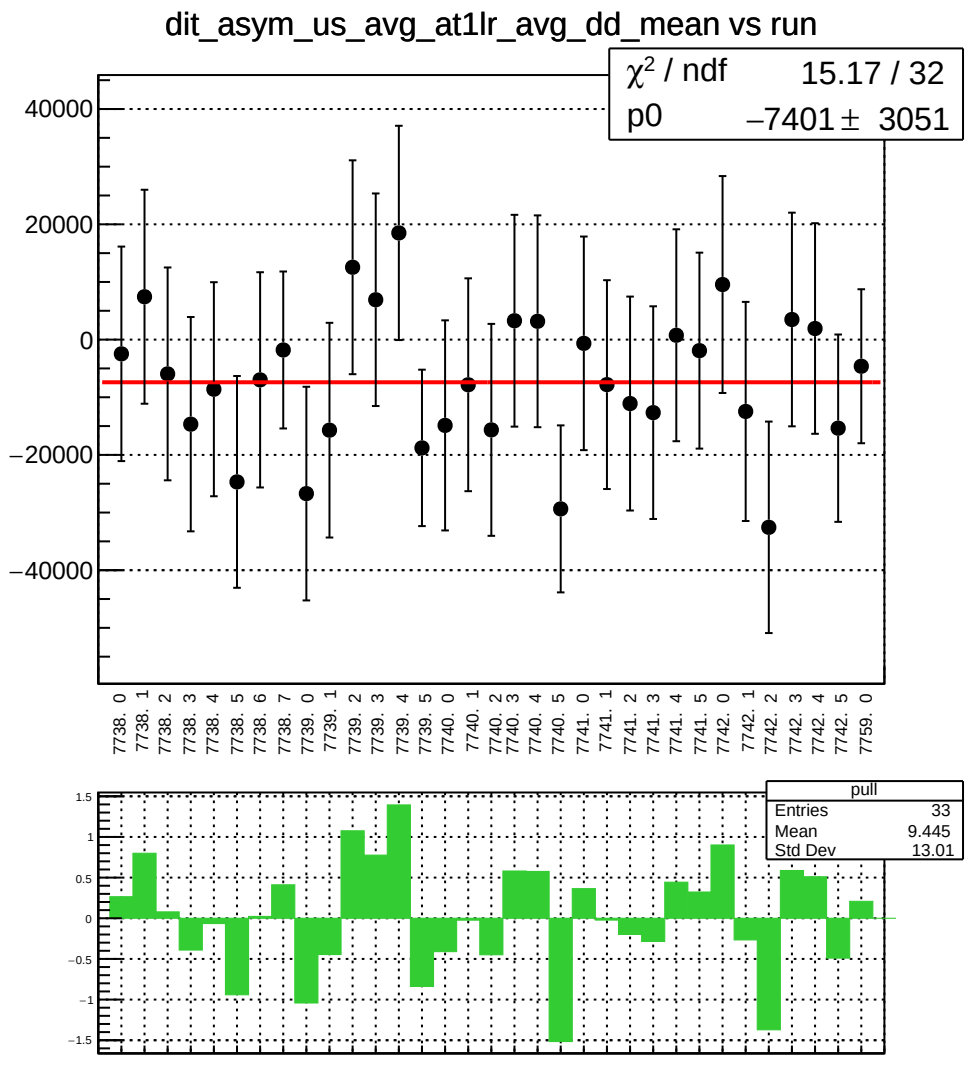

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 14.01 / 32
p0 −7392 ± 3040
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01737
Std Dev 0.6513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

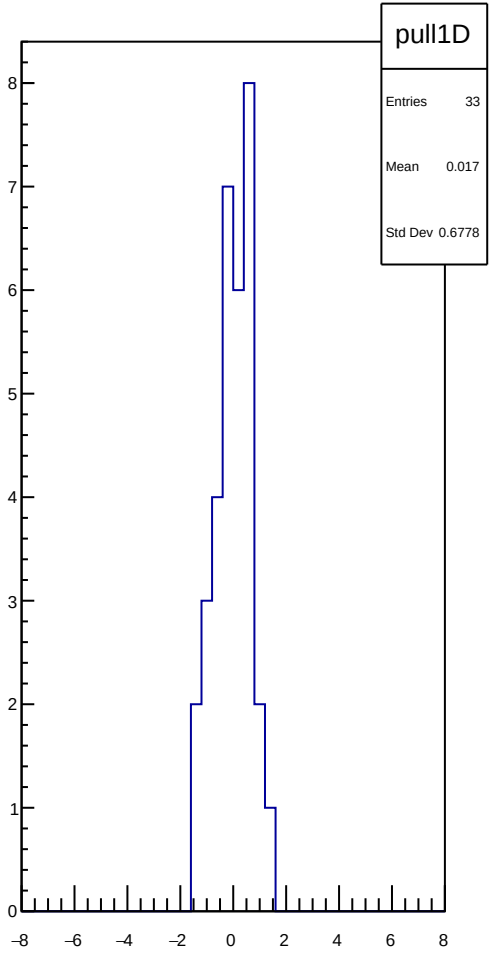

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 38.26 / 32
p0 1750 ± 2.15
1800
1780
1760
1740
1720
1700
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

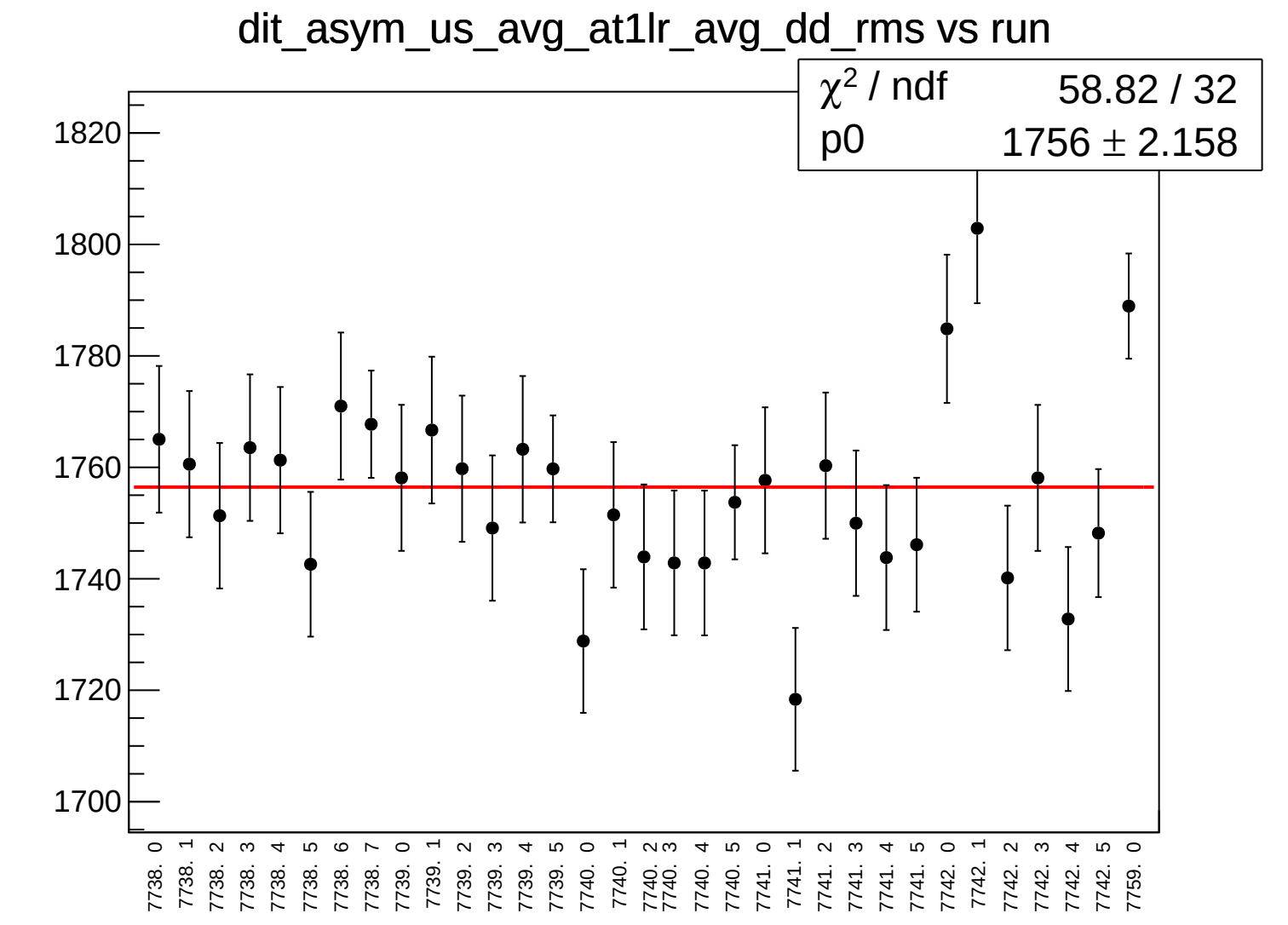

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 33.93 / 32
p0 89.83 ± 2287
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

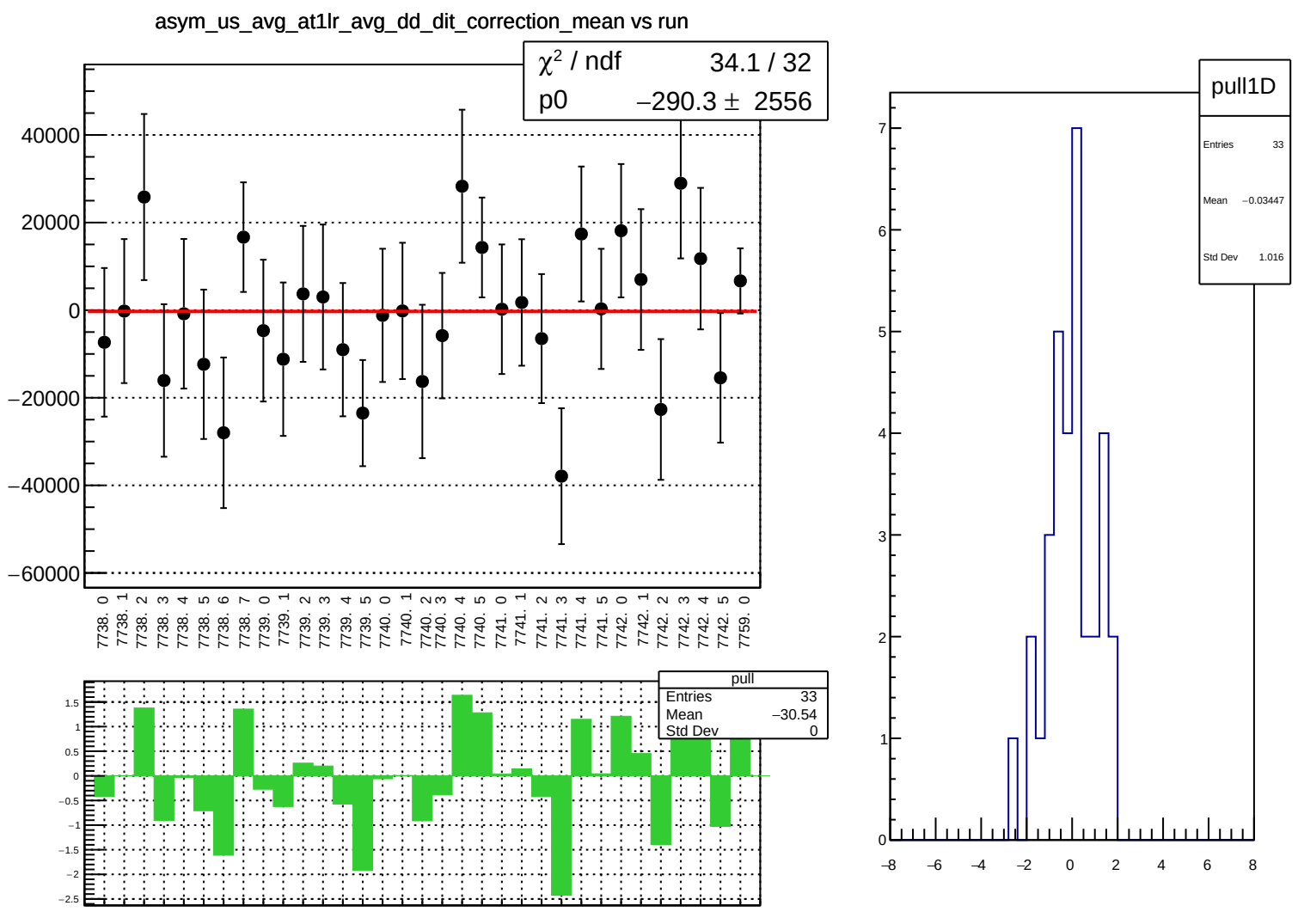

pull1D
Entries 33
Mean −0.05471
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

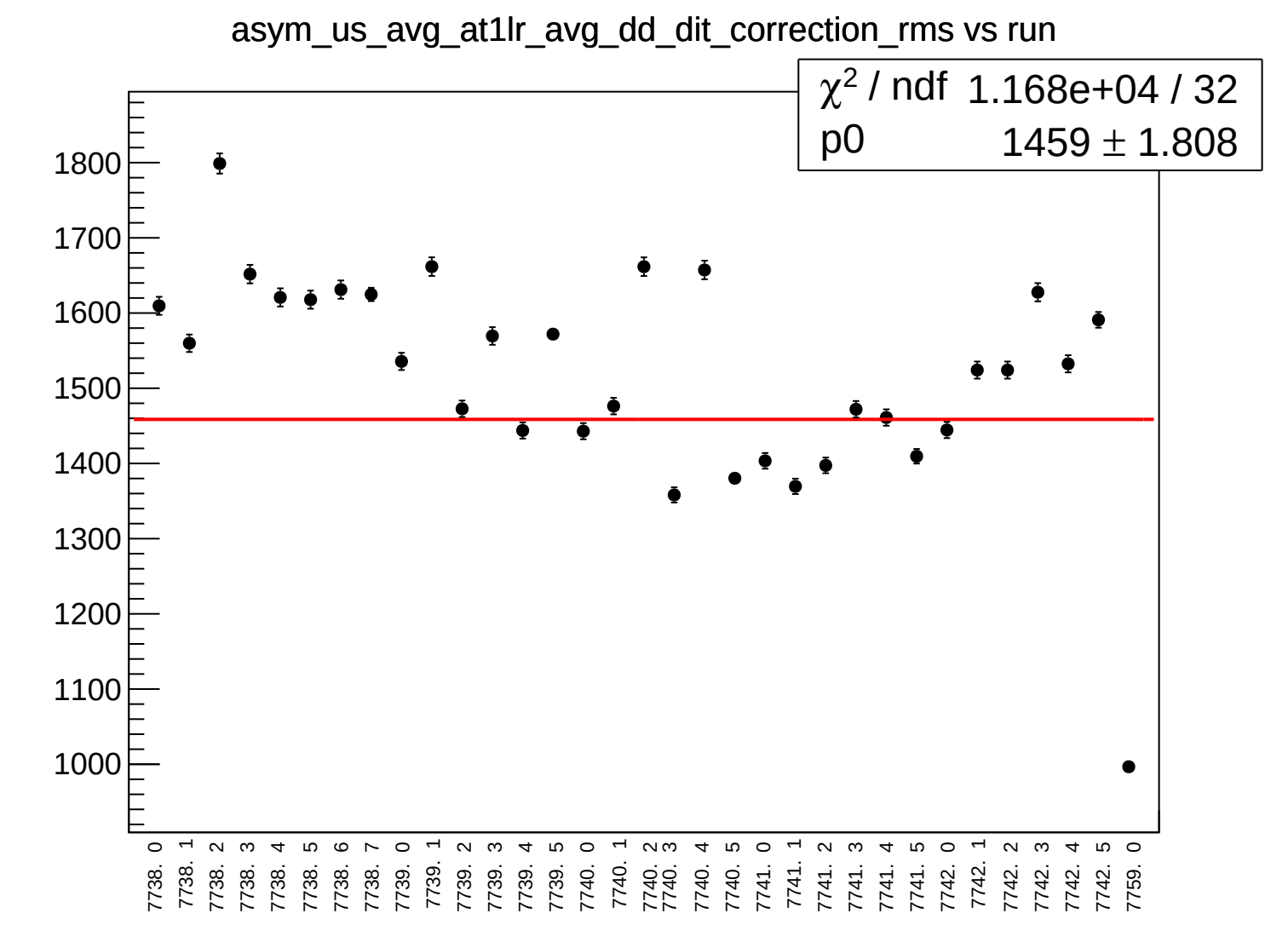

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.685e+04 / 32
p0 1290 ± 1.617
1600
1400
1200
1000
800
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

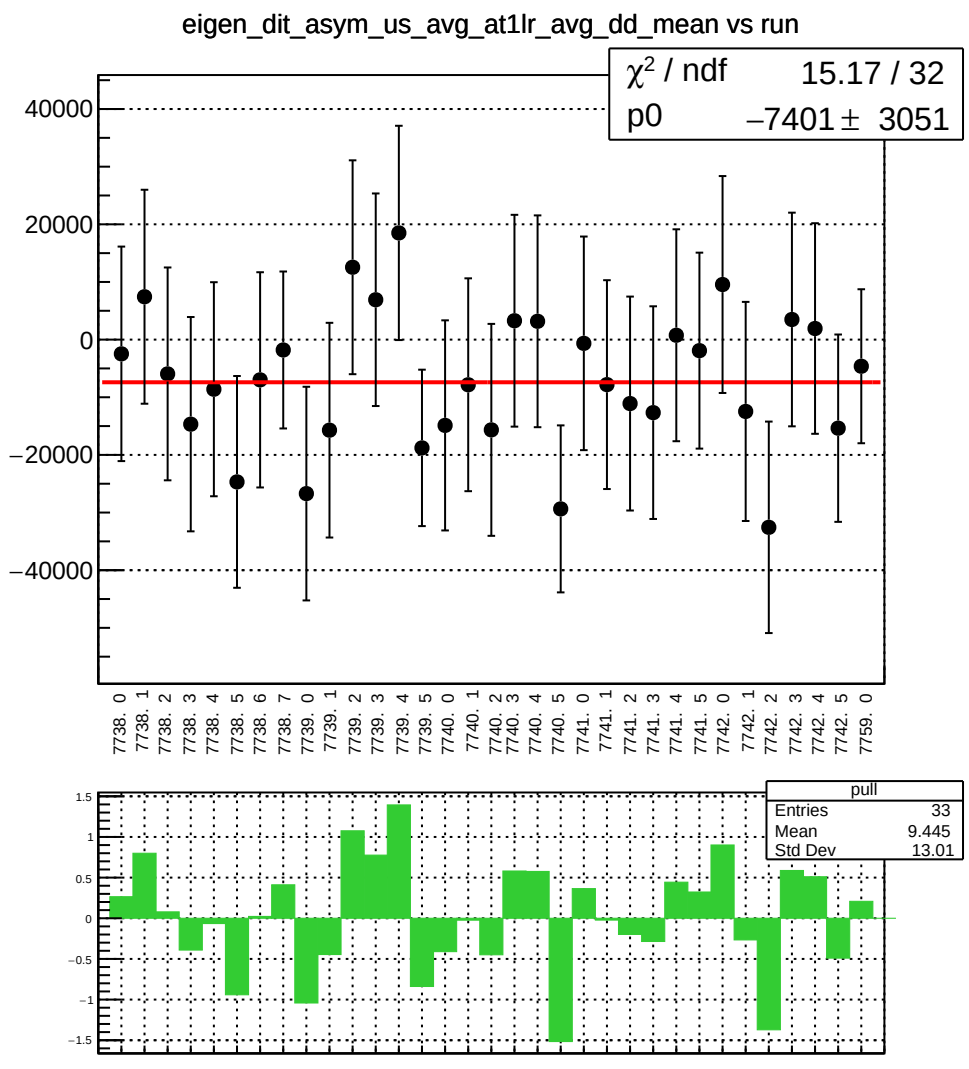

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 15.17 / 32
p0 −7401 ± 3051
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.445
Std Dev 13.01
1.5
1
0.5
0
−0.5
−1
−1.5

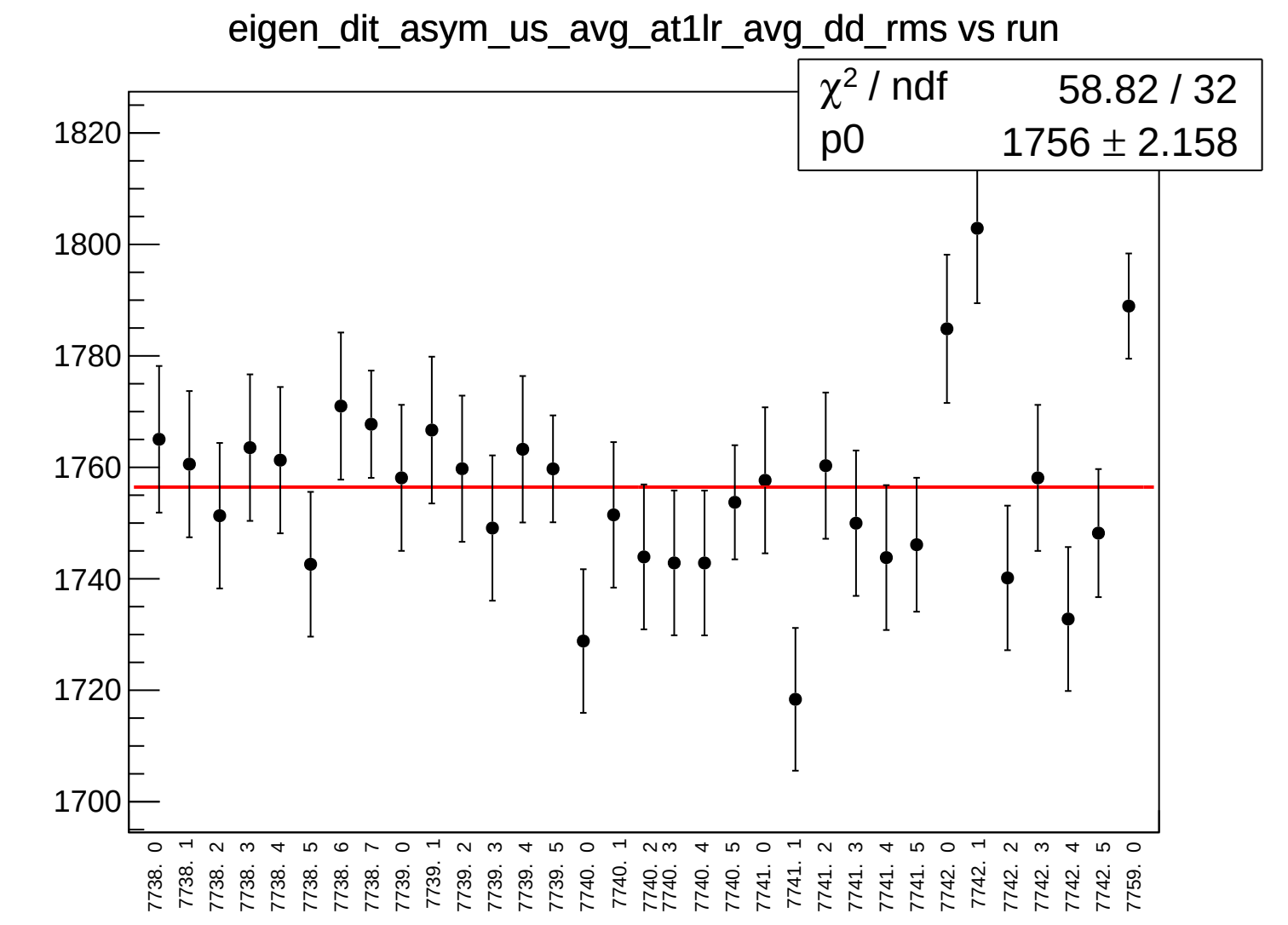

pull1D
Entries 33
Mean 0.017
Std Dev 0.6778
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

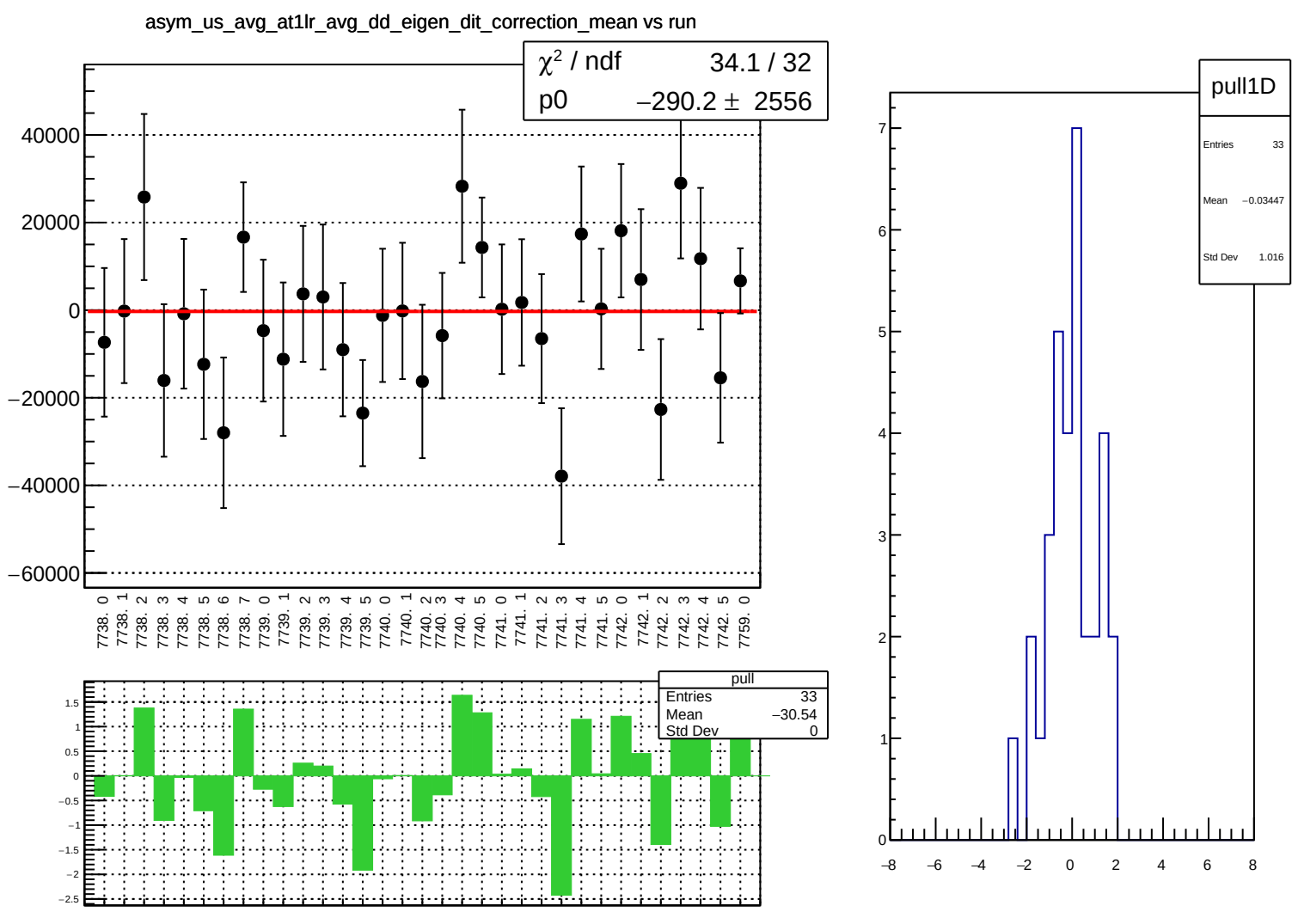

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 58.82 / 32
p0 1756 ± 2.158
1820
1800
1780
1760
1740
1720
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

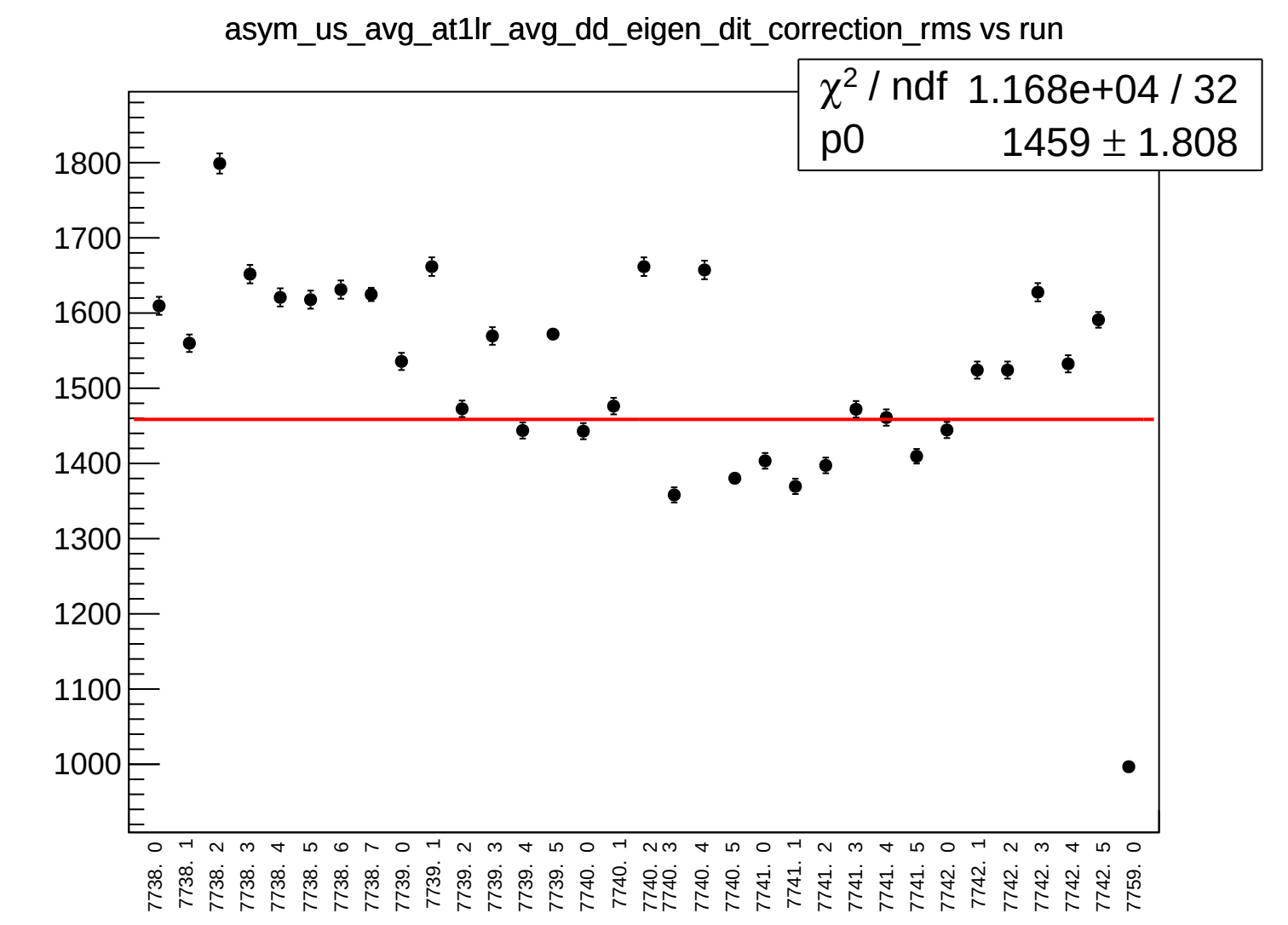

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 34.1 / 32
p0 −290.3 ± 2556
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.54
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03447
Std Dev 1.016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

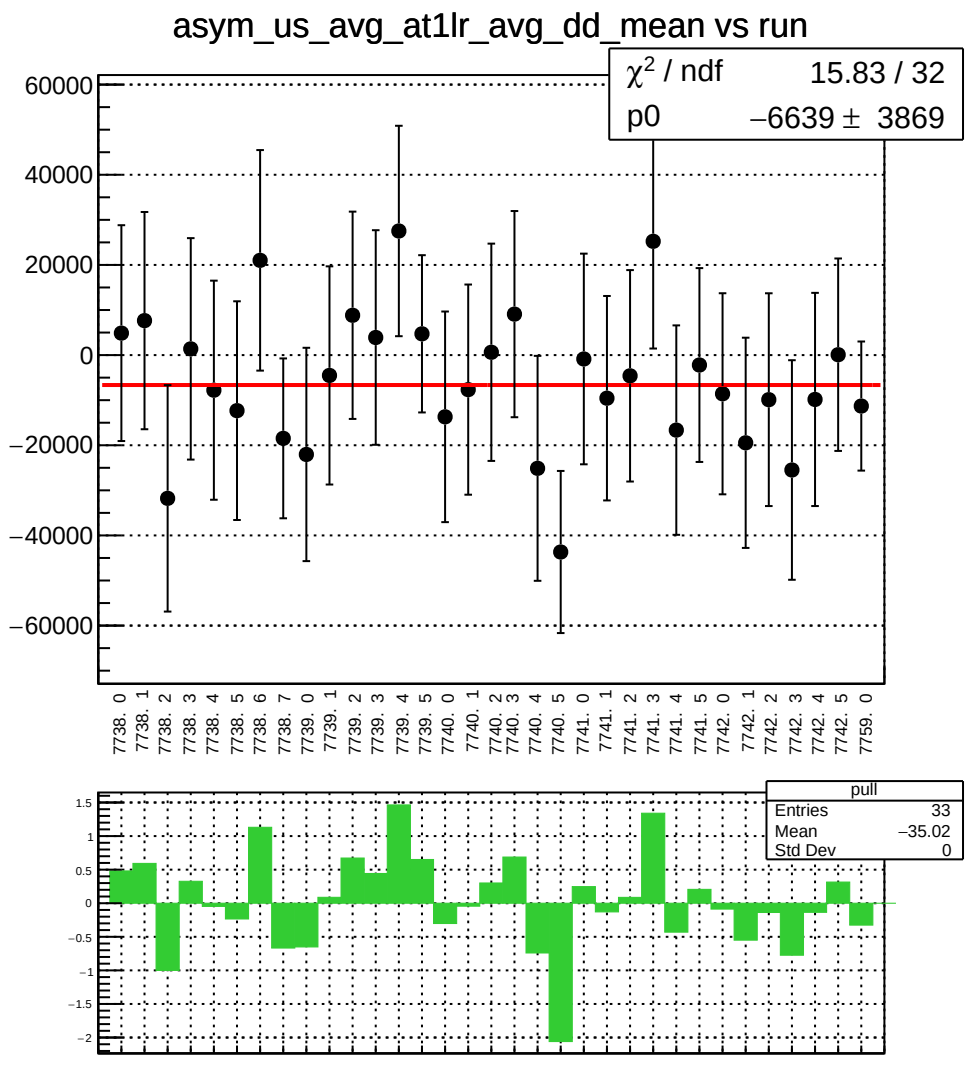

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1.168e+04 / 32
p0 1459 ± 1.808
1800
1700
1600
1500
1400
1300
1200
1100
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

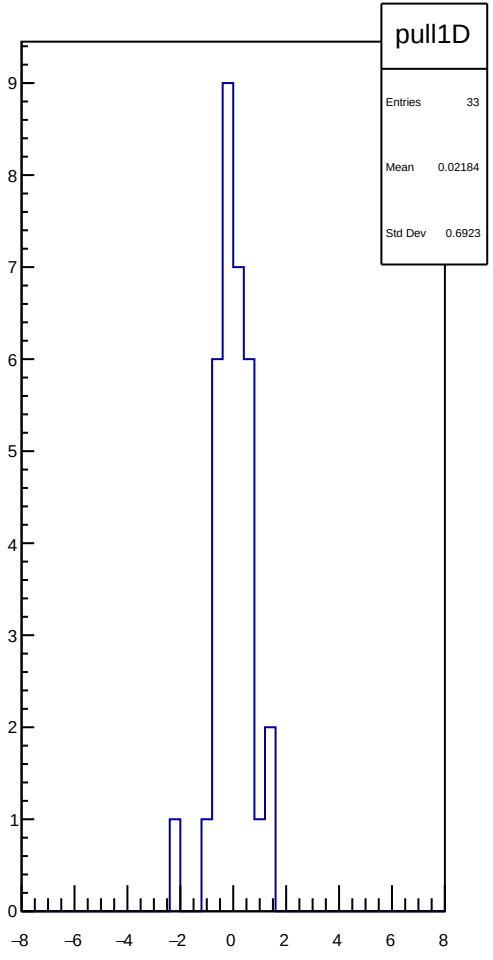

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 15.17 / 32
p0 −7401 ± 3051
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.445
Std Dev 13.01
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.017
Std Dev 0.6778
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

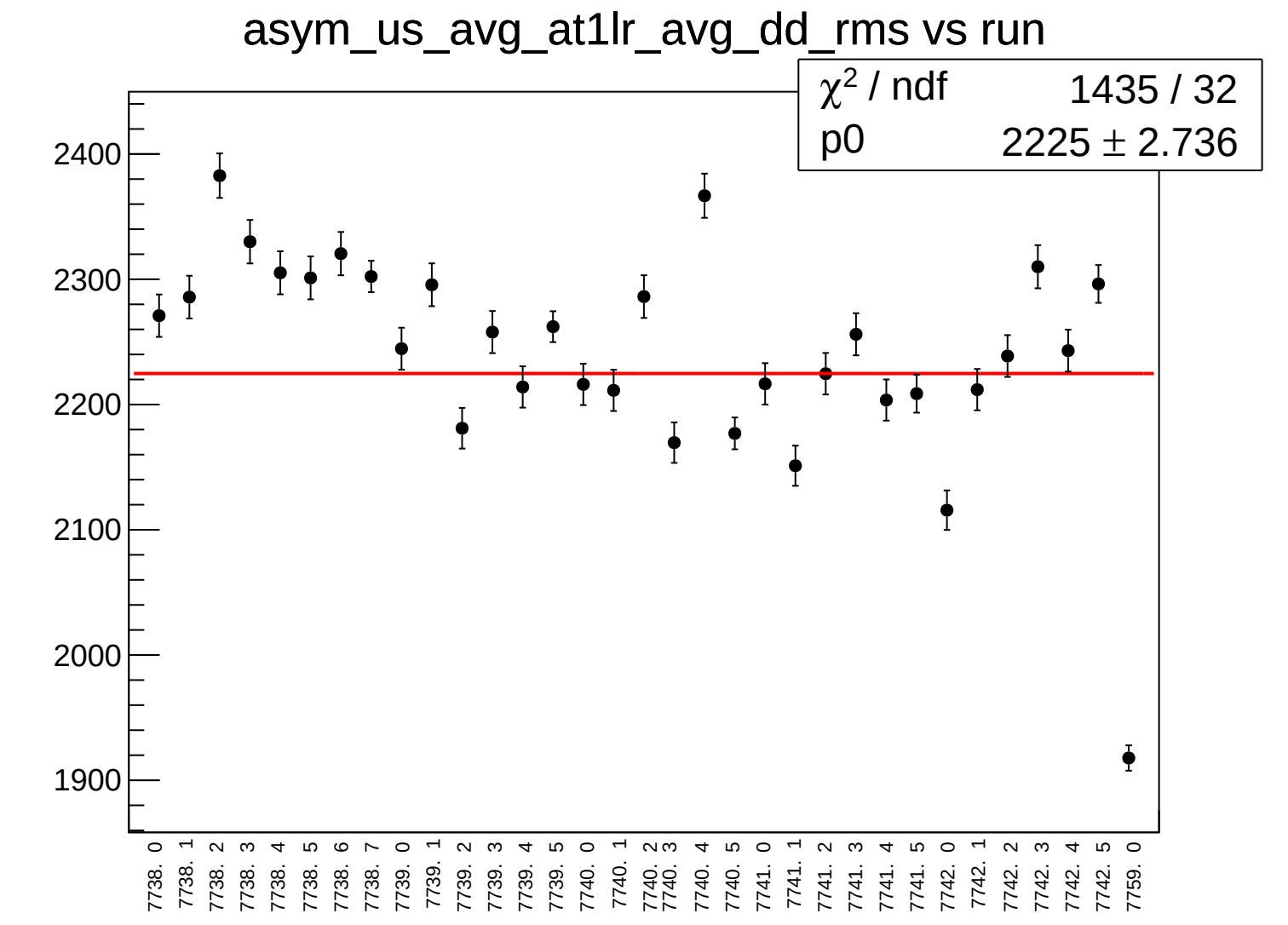

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 58.82 / 32
p0 1756 ± 2.158
1820
1800
1780
1760
1740
1720
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

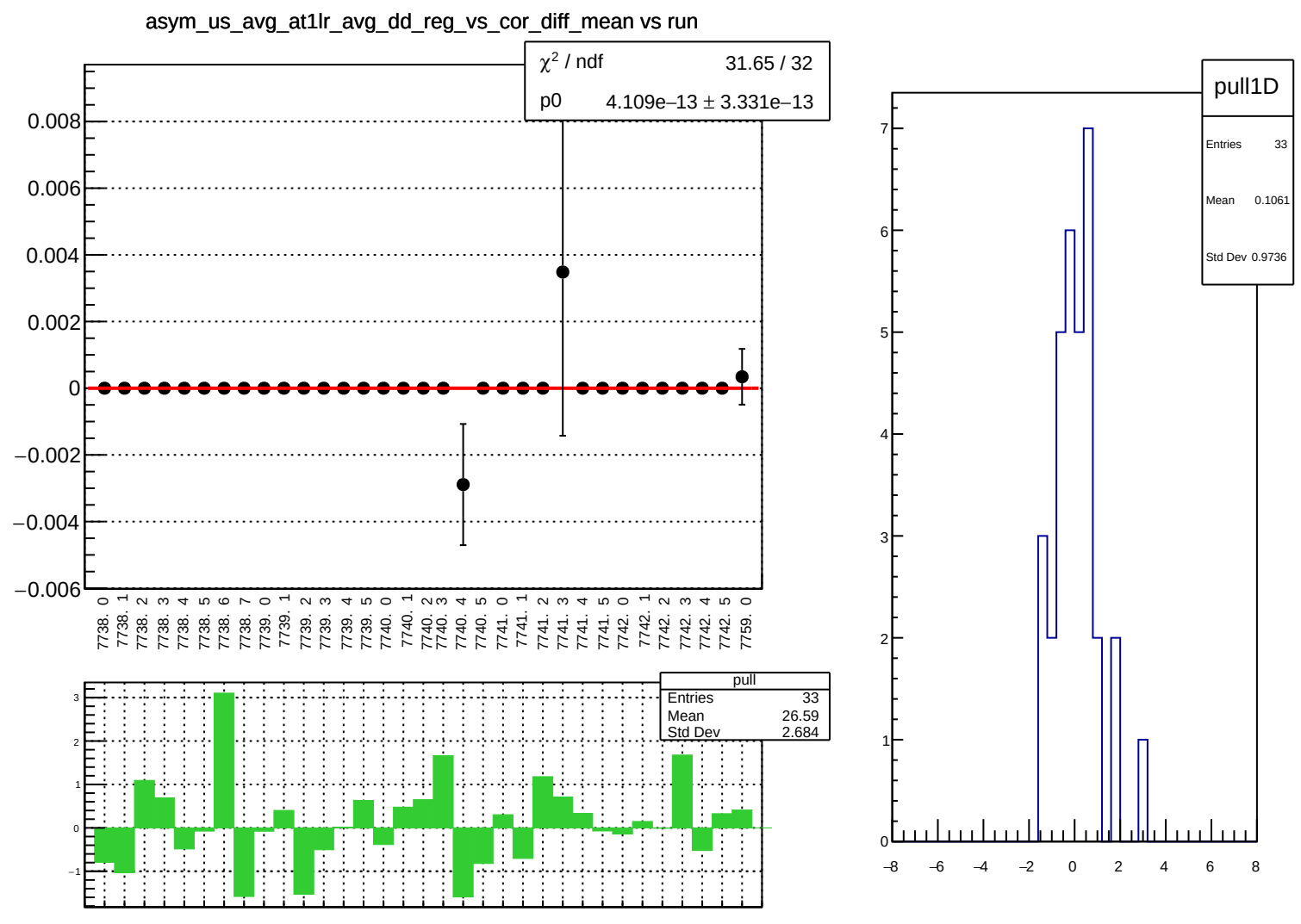

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 34.1 / 32
p0 −290.2 ± 2556
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.54
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03447
Std Dev 1.016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

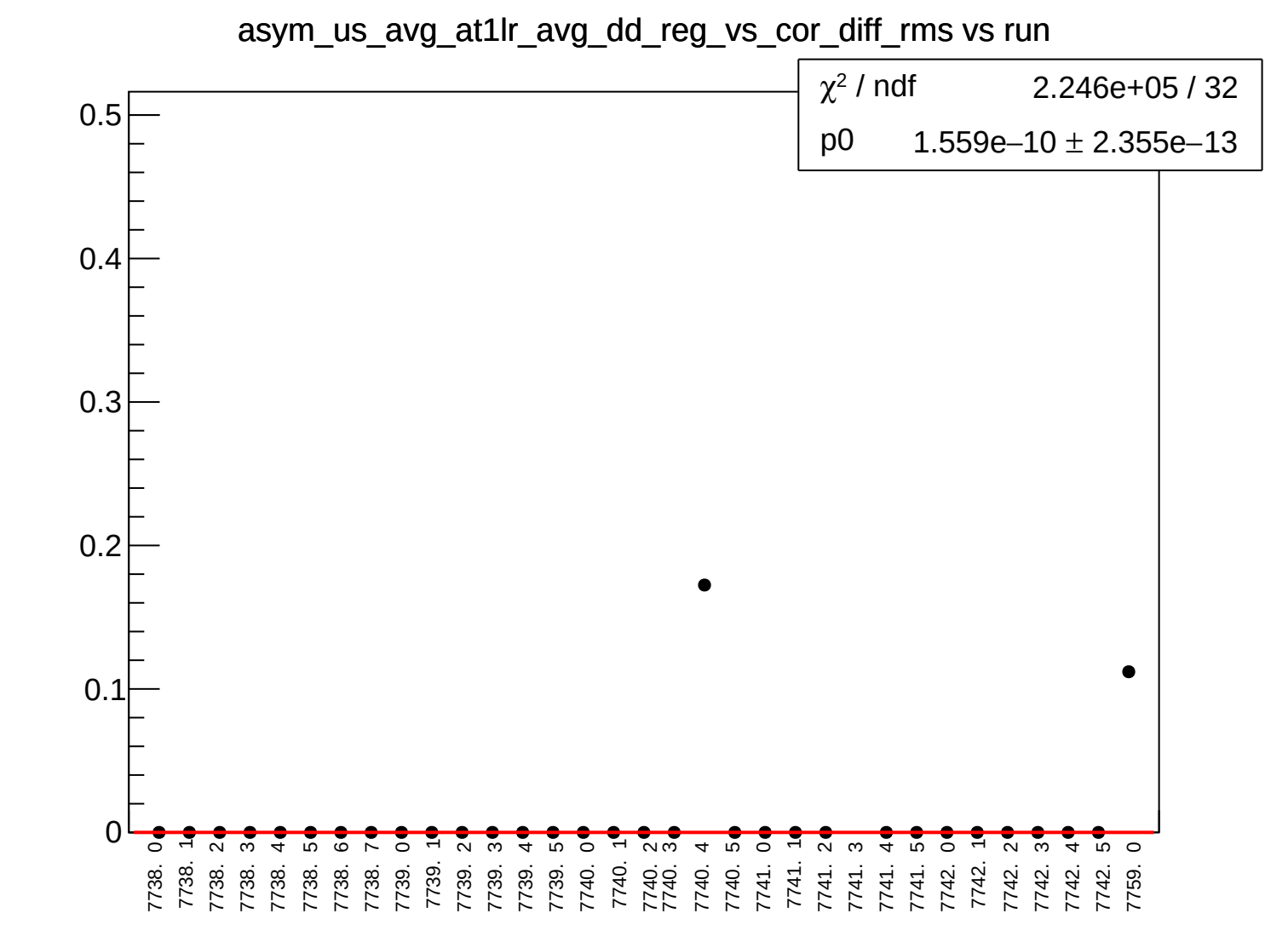

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.168e+04 / 32
p0 1459 ± 1.808
1800
1700
1600
1500
1400
1300
1200
1100
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

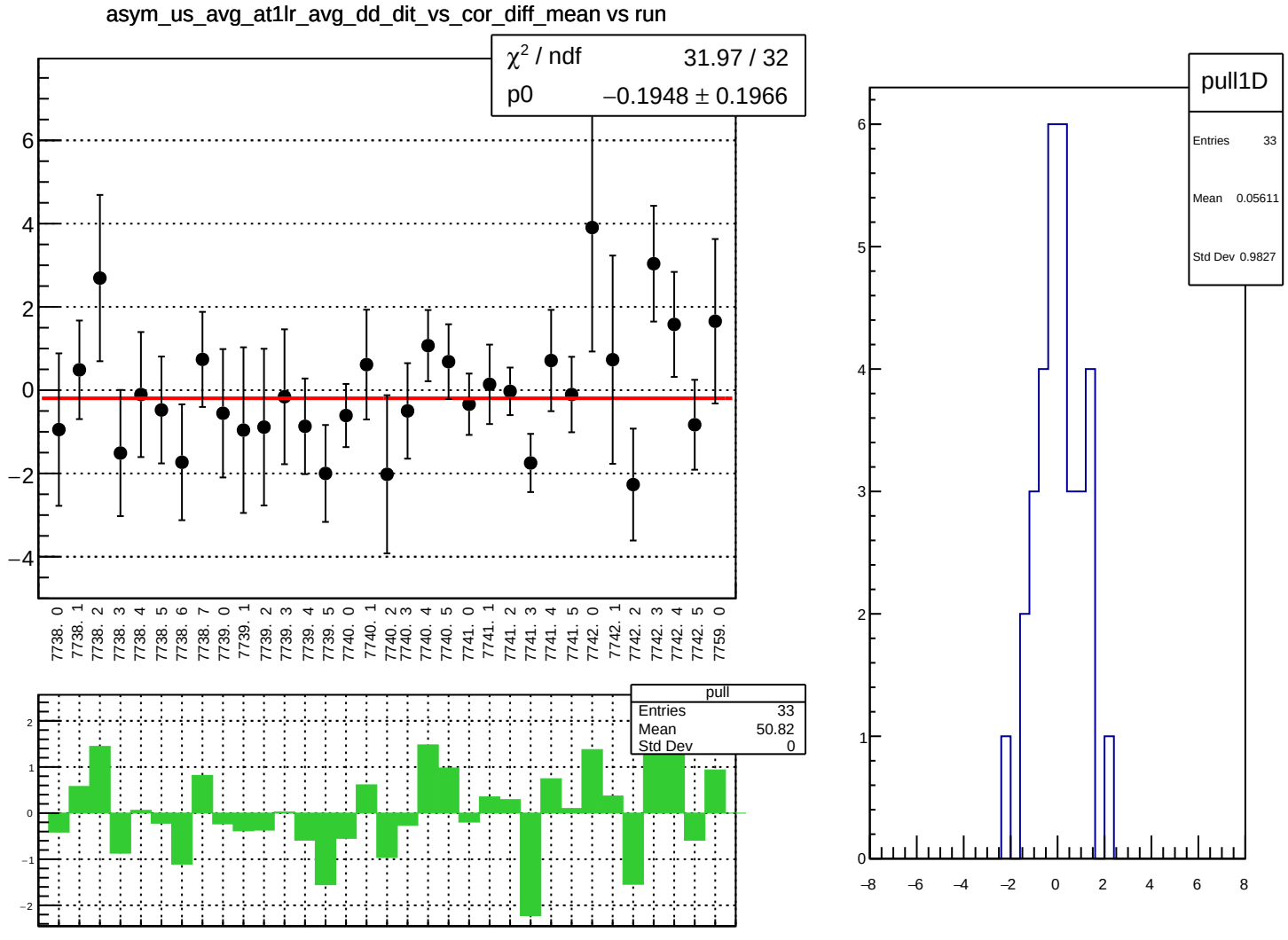

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 15.83 / 32
p0 −6639 ± 3869
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −35.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

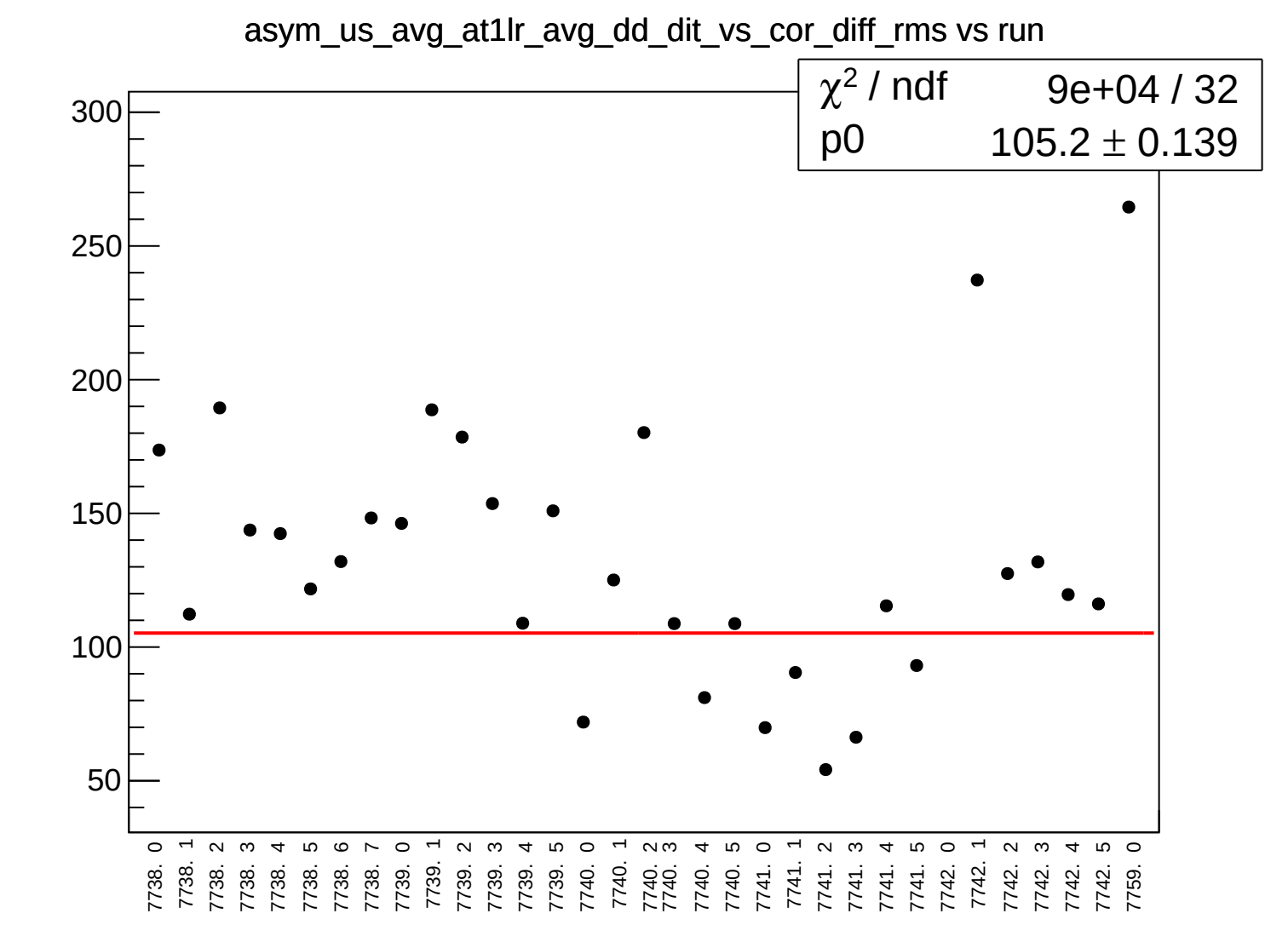

pull1D
Entries 33
Mean 0.02184
Std Dev 0.6923
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

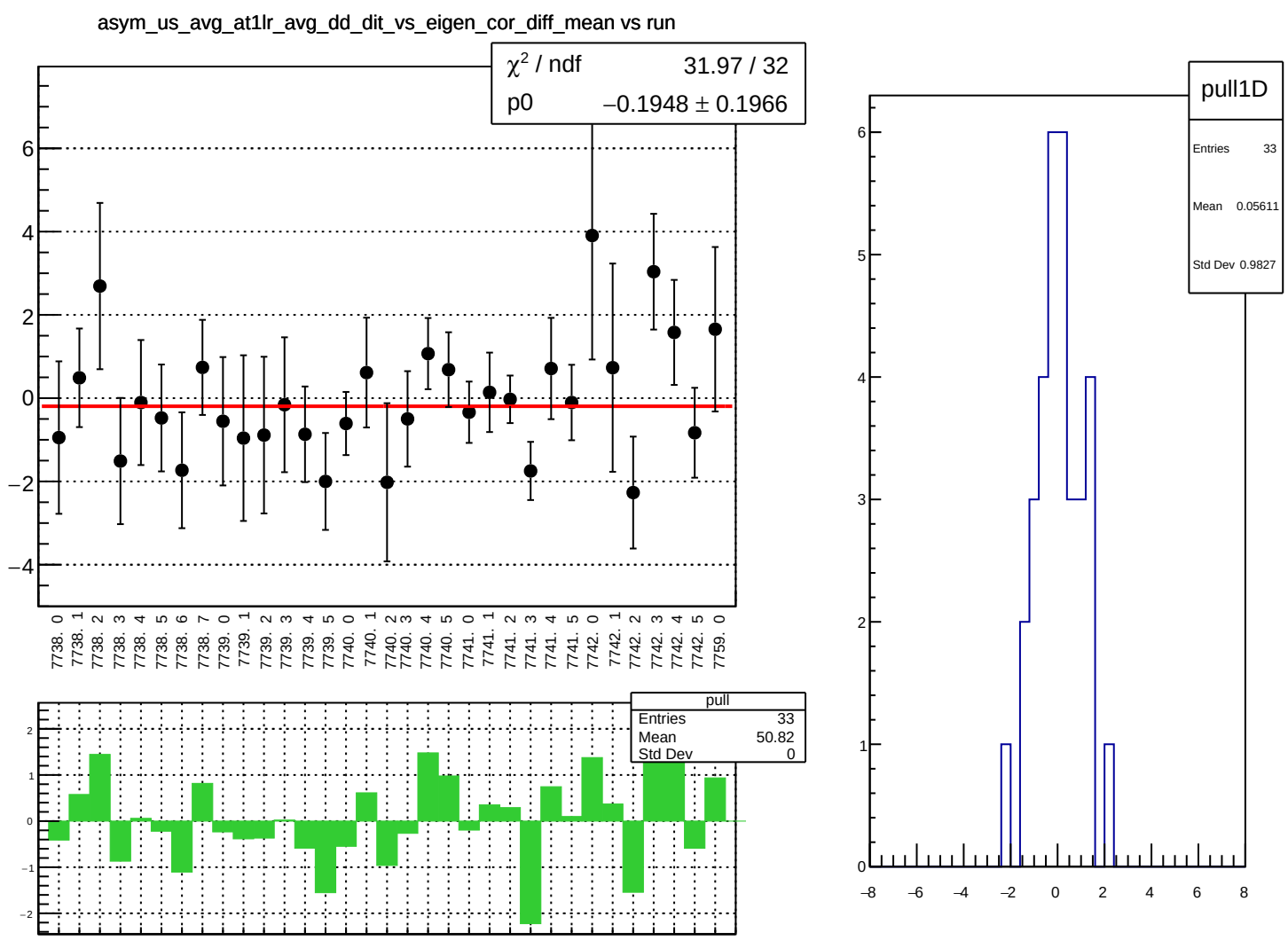

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 1435 / 32
p0 2225 ± 2.736
2400
2300
2200
2100
2000
1900
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

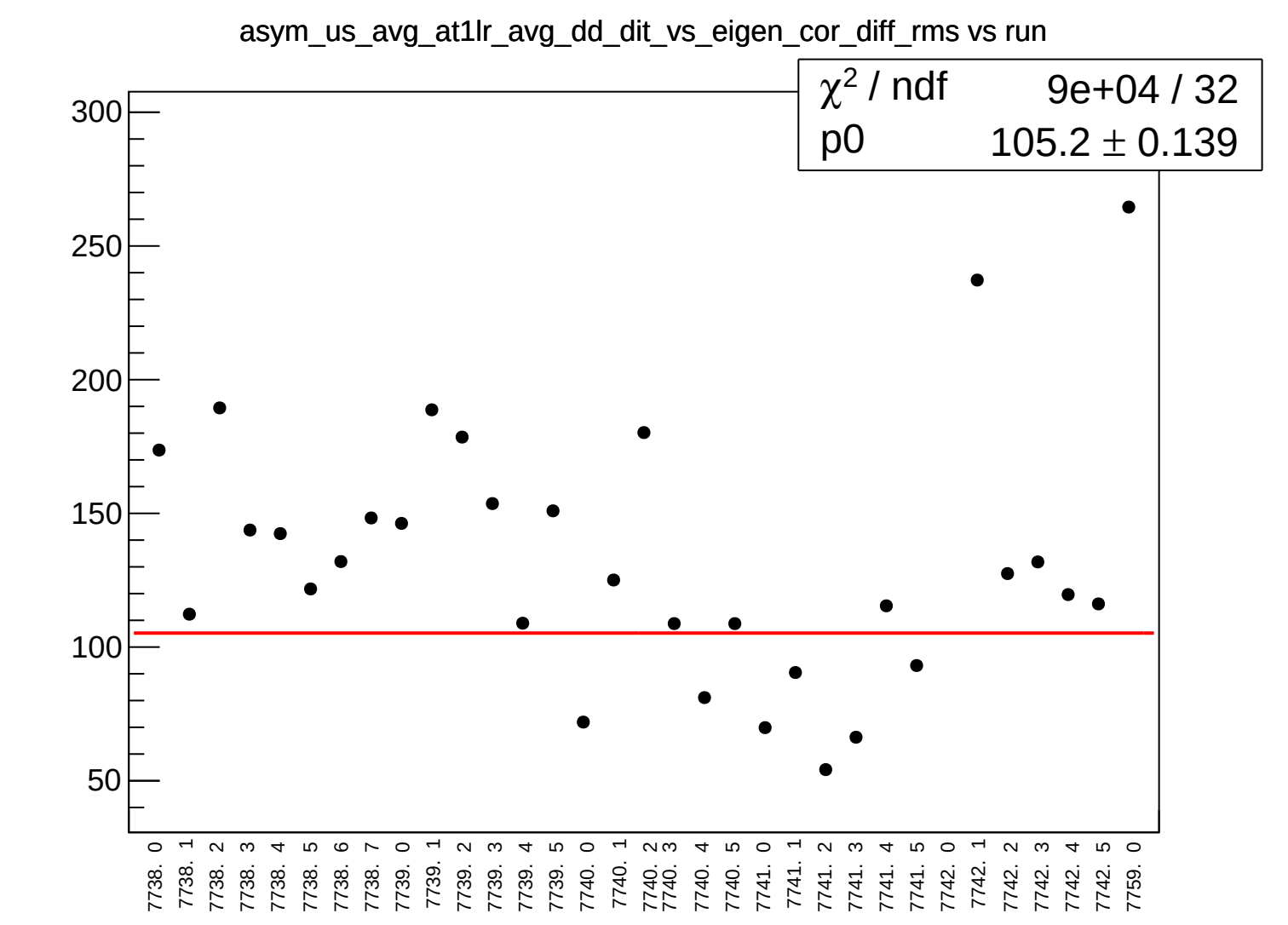

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.65 / 32
p0 4.109e−13 ± 3.331e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.59
Std Dev 2.684
pull1D
Entries 33
Mean 0.1061
Std Dev 0.9736

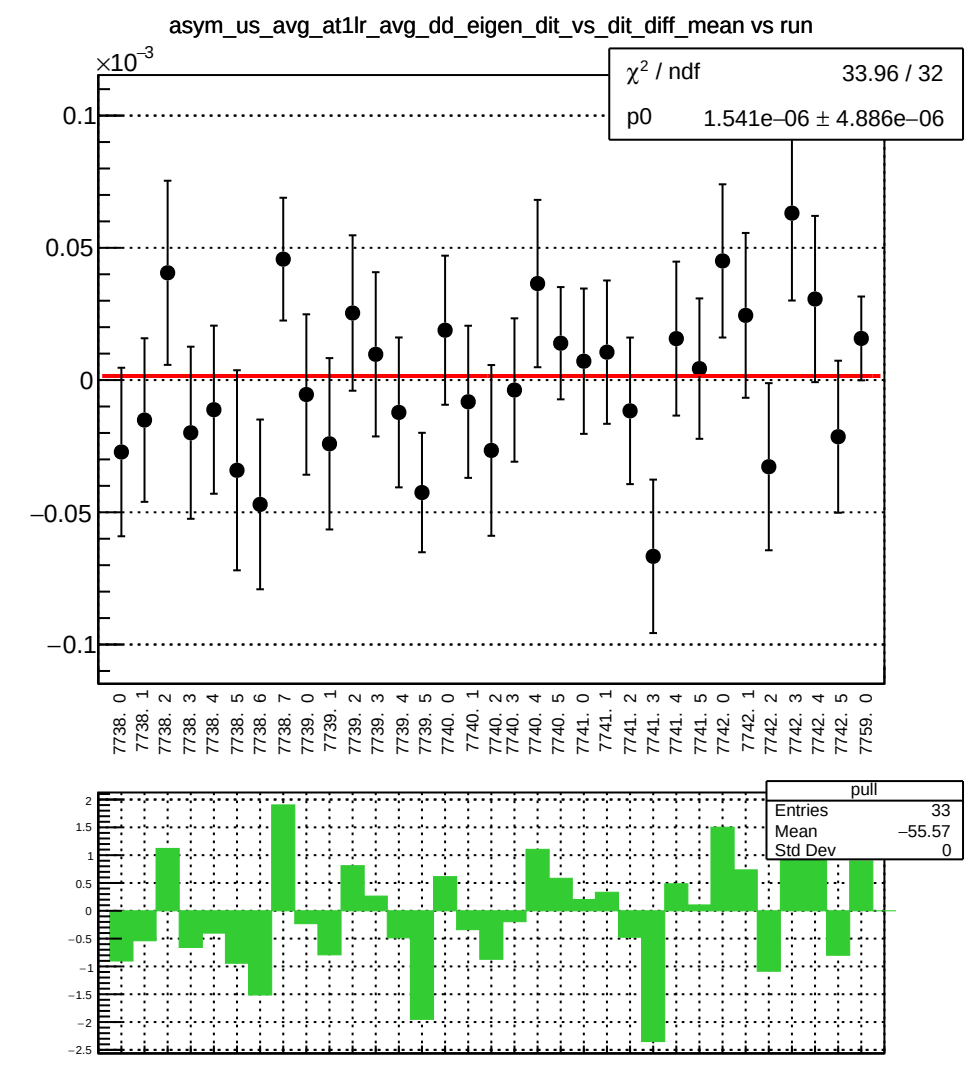

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.246e+05 / 32
p0 1.559e−10 ± 2.355e−13
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

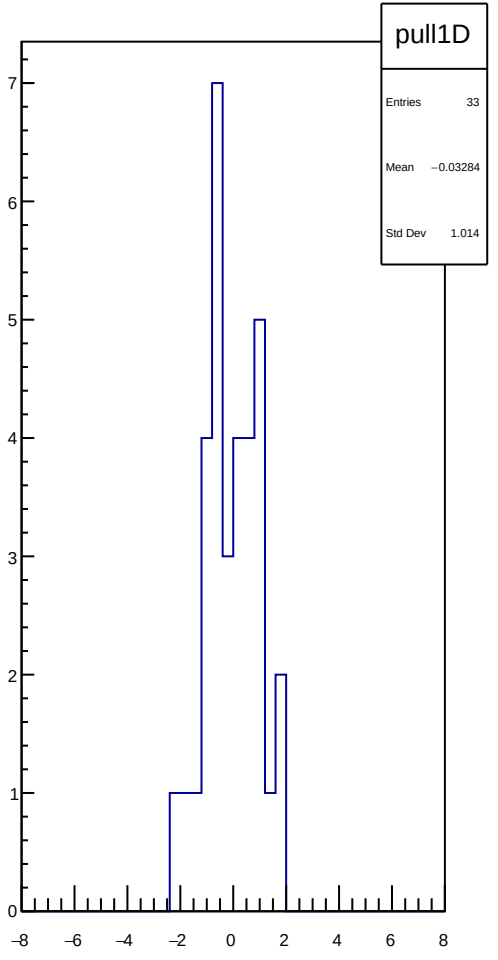

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 31.97 / 32
p0 −0.1948 ± 0.1966
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.05611
Std Dev 0.9827
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

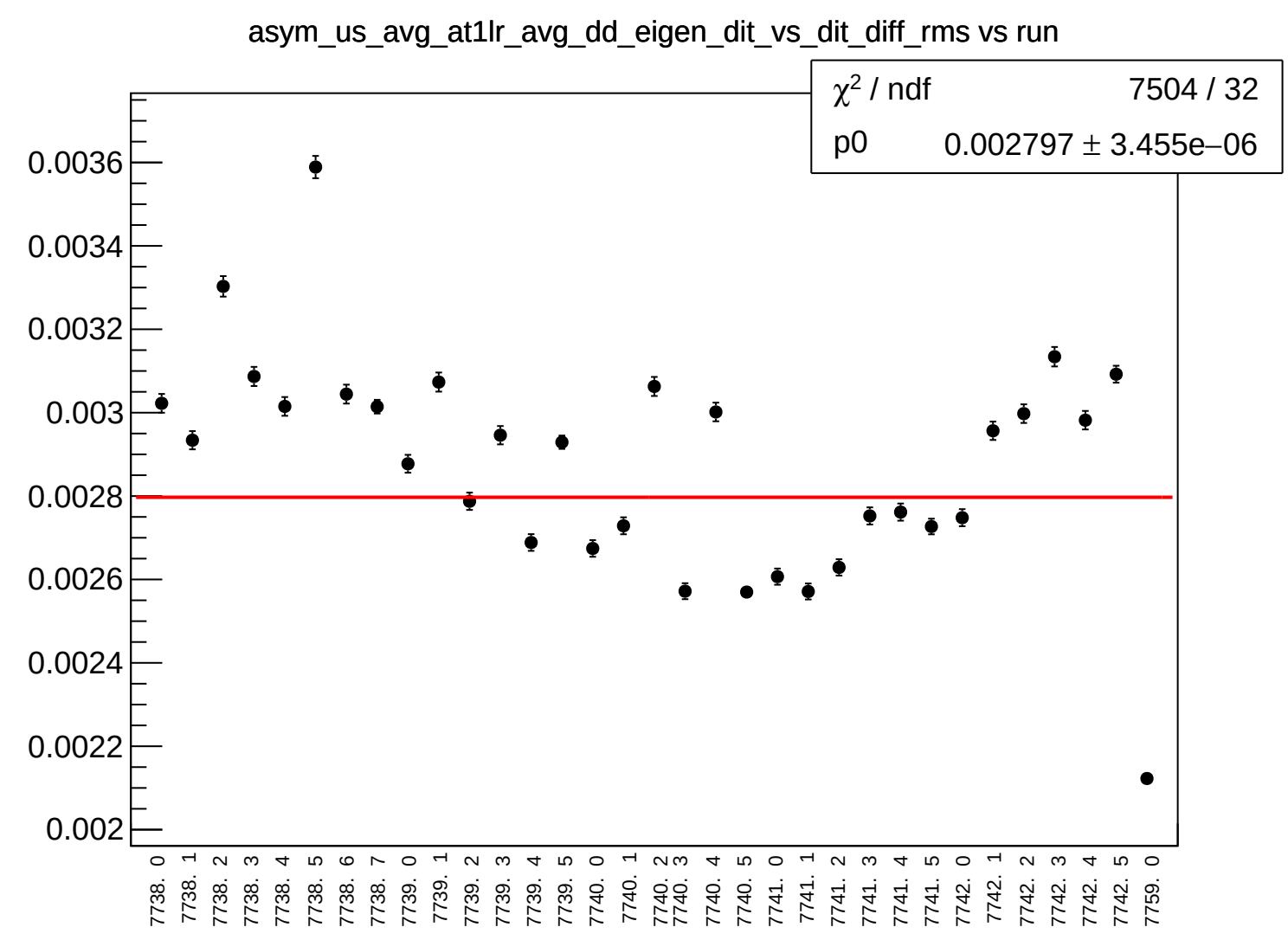

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9e+04 / 32
p0 105.2 ± 0.139
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

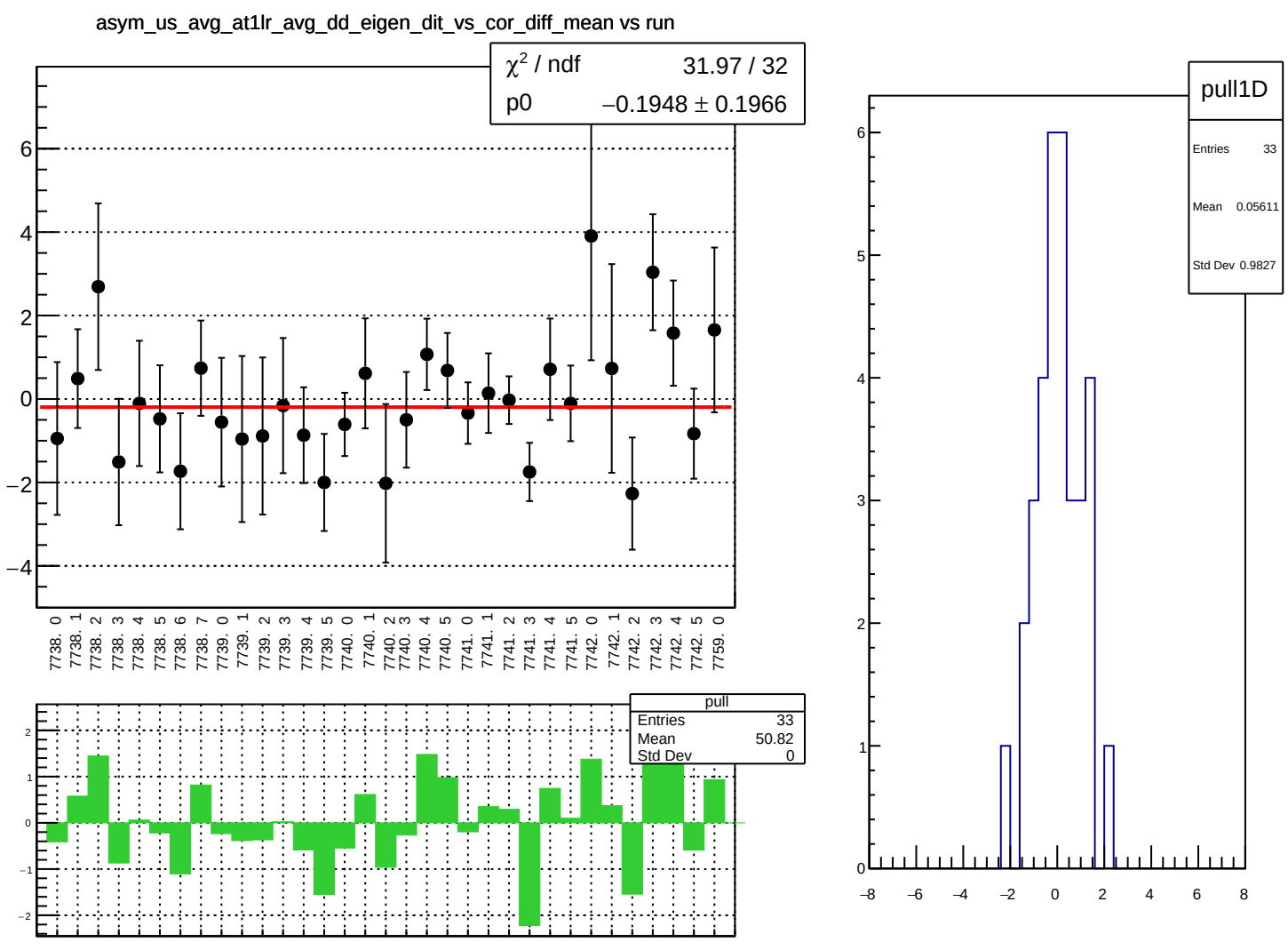

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.97 / 32
p0 −0.1948 ± 0.1966
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.05611
Std Dev 0.9827
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

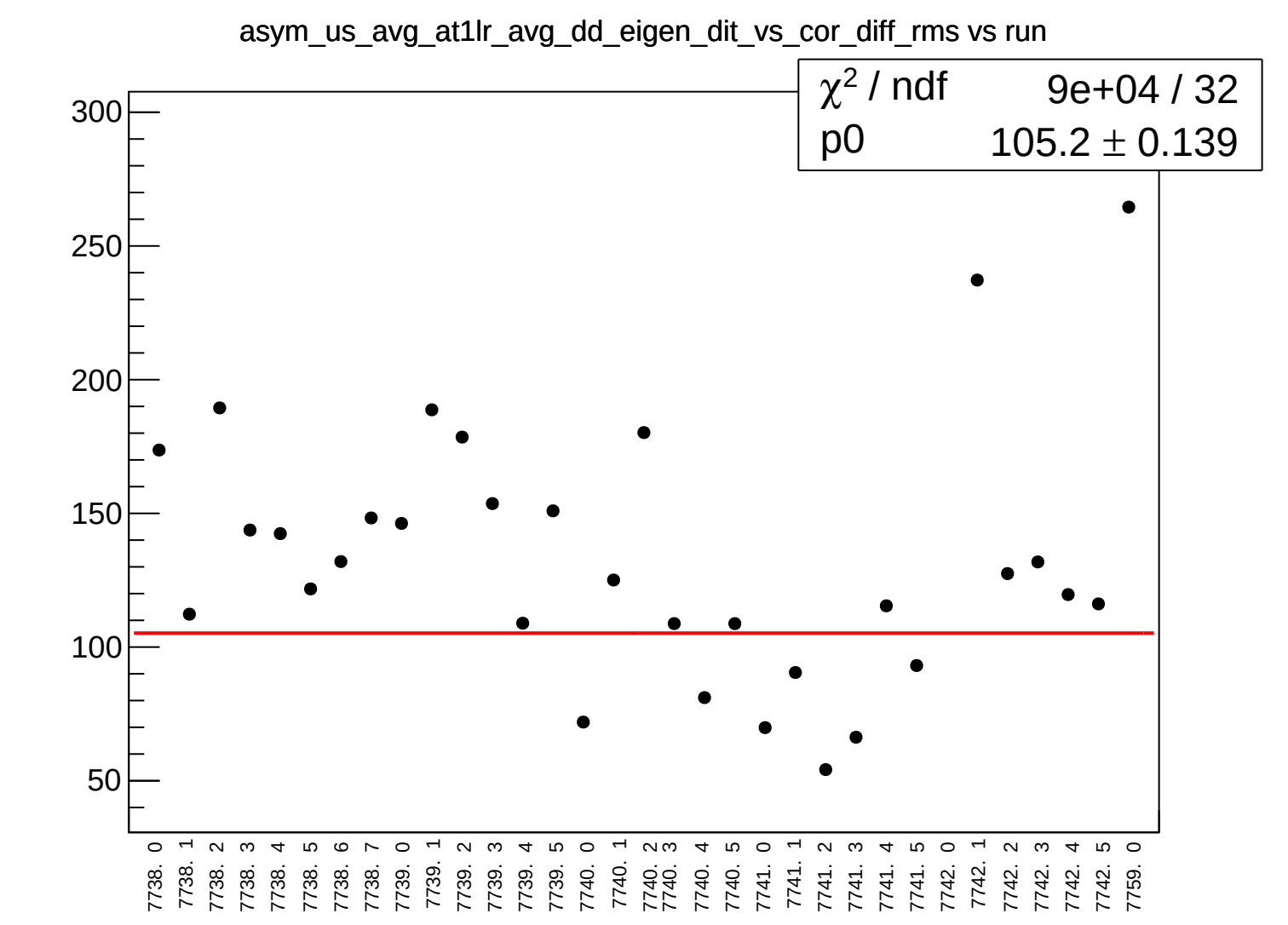

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9e+04 / 32
p0 105.2 ± 0.139
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

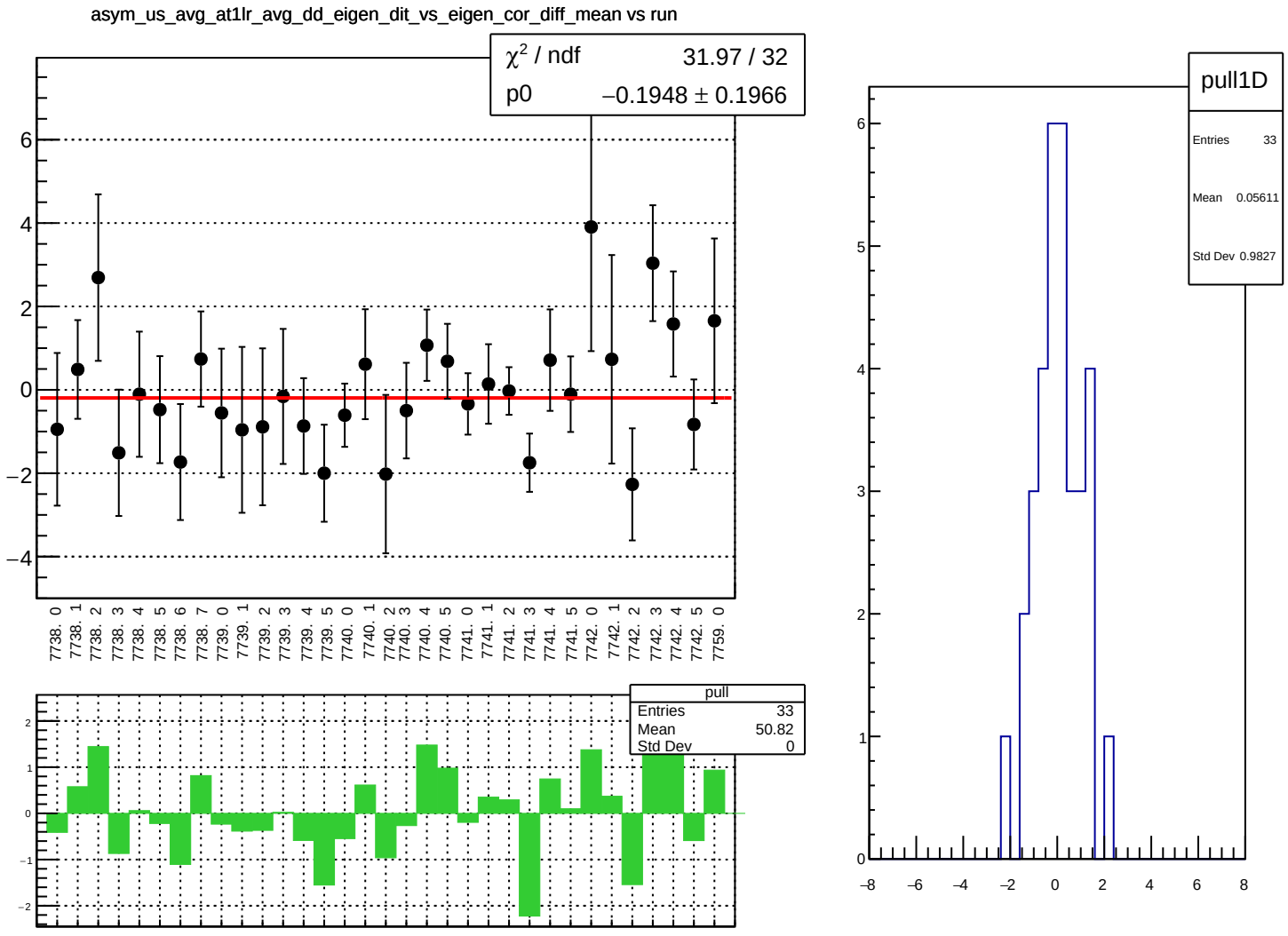

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.96 / 32
p0 1.541e−06 ± 4.886e−06
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −55.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

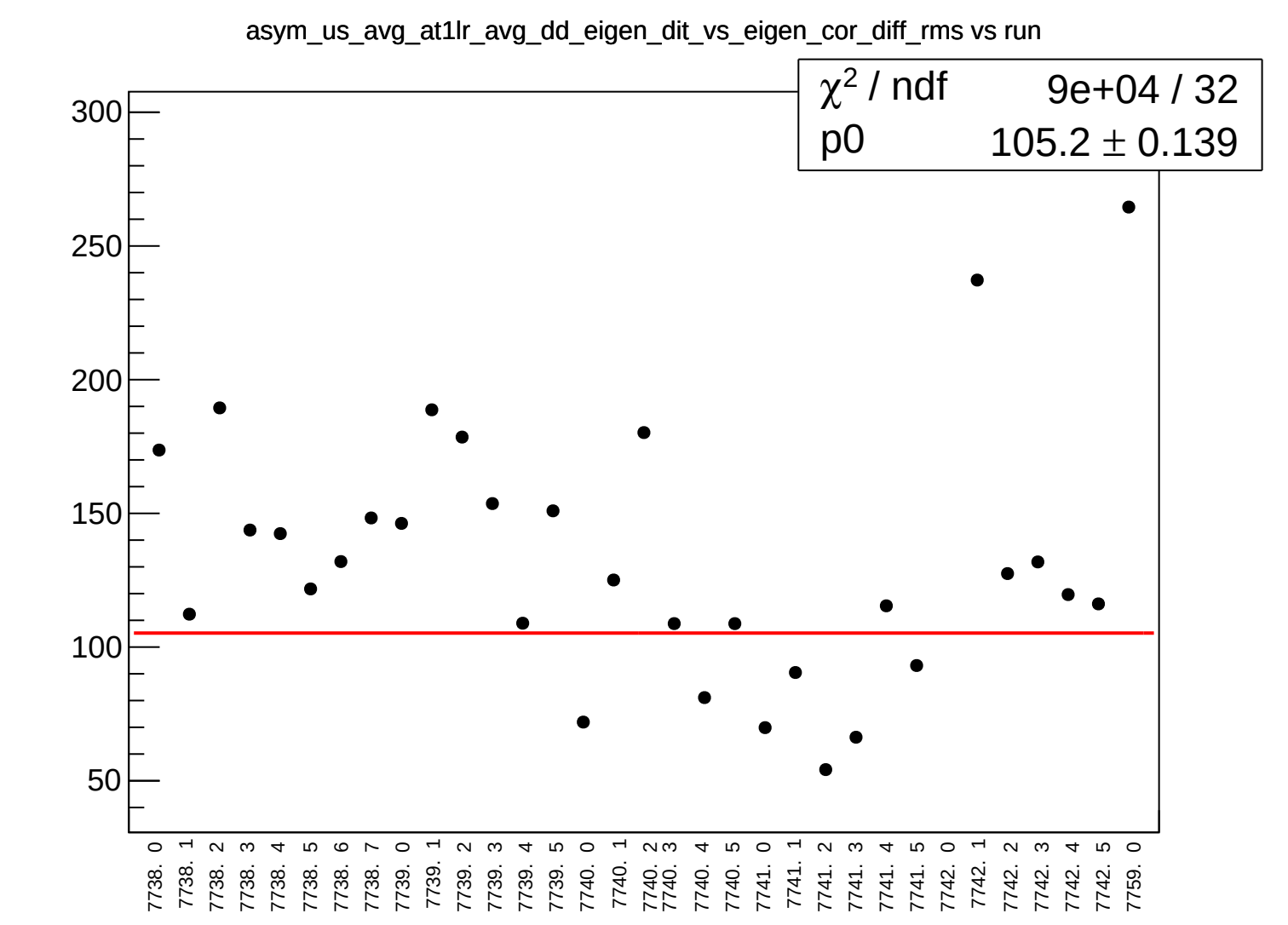

pull1D
Entries 33
Mean −0.03284
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

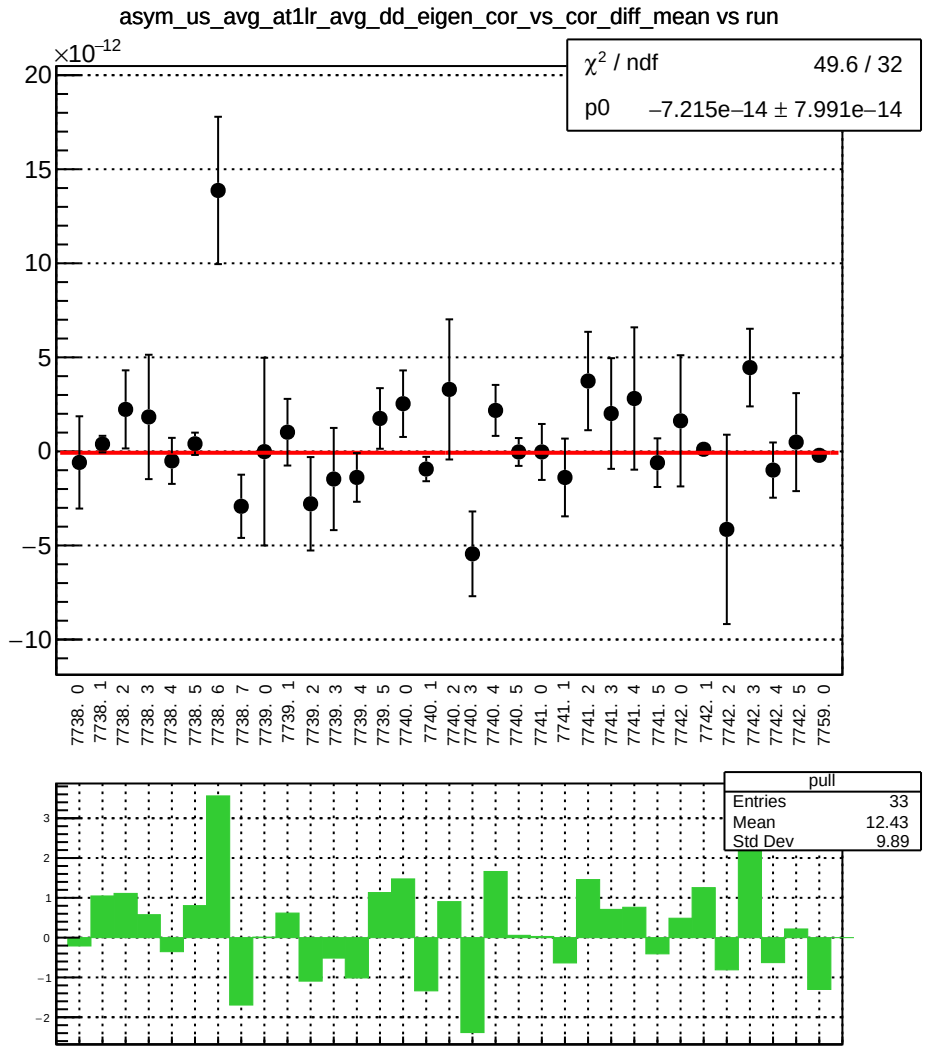

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7504 / 32
p0 0.002797 ± 3.455e−06
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

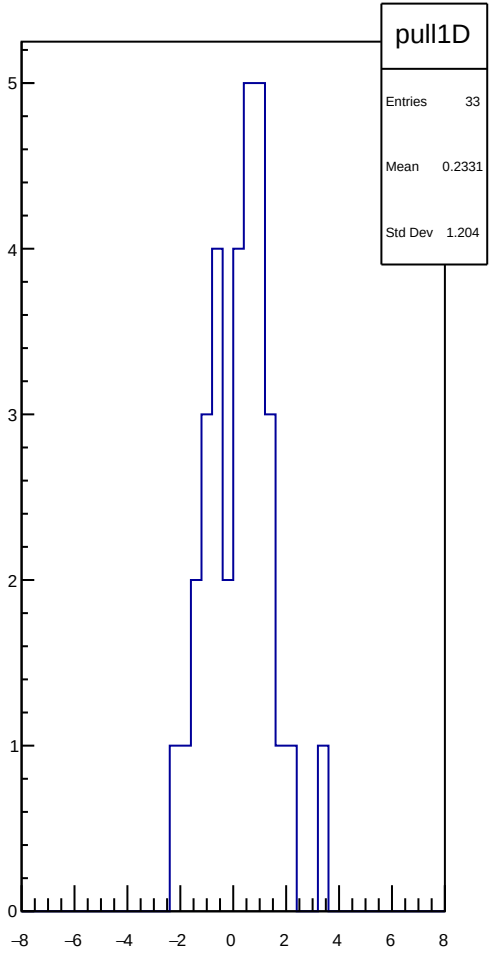

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.97 / 32
p0 −0.1948 ± 0.1966
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.05611
Std Dev 0.9827
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

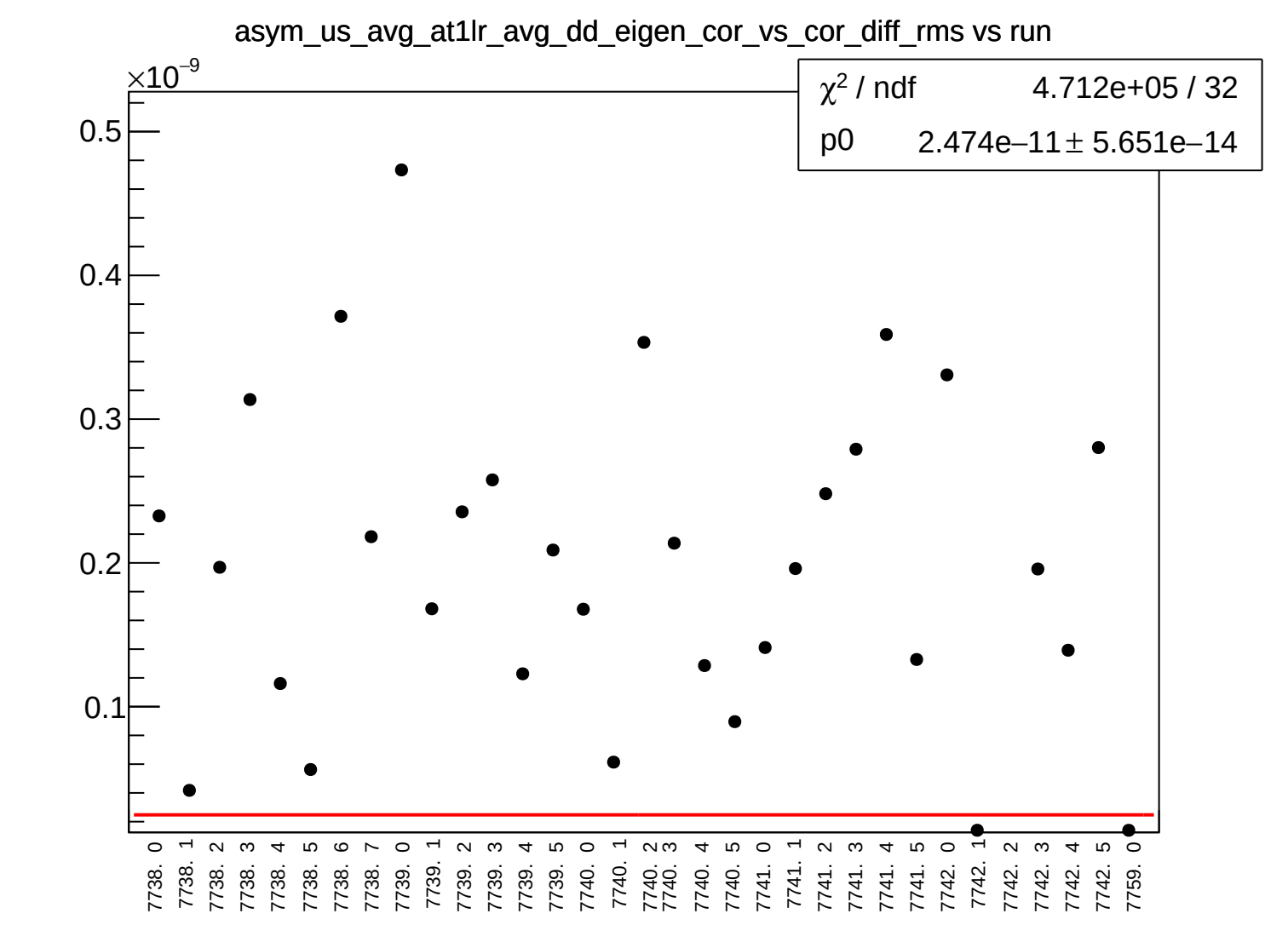

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9e+04 / 32
p0 105.2 ± 0.139
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

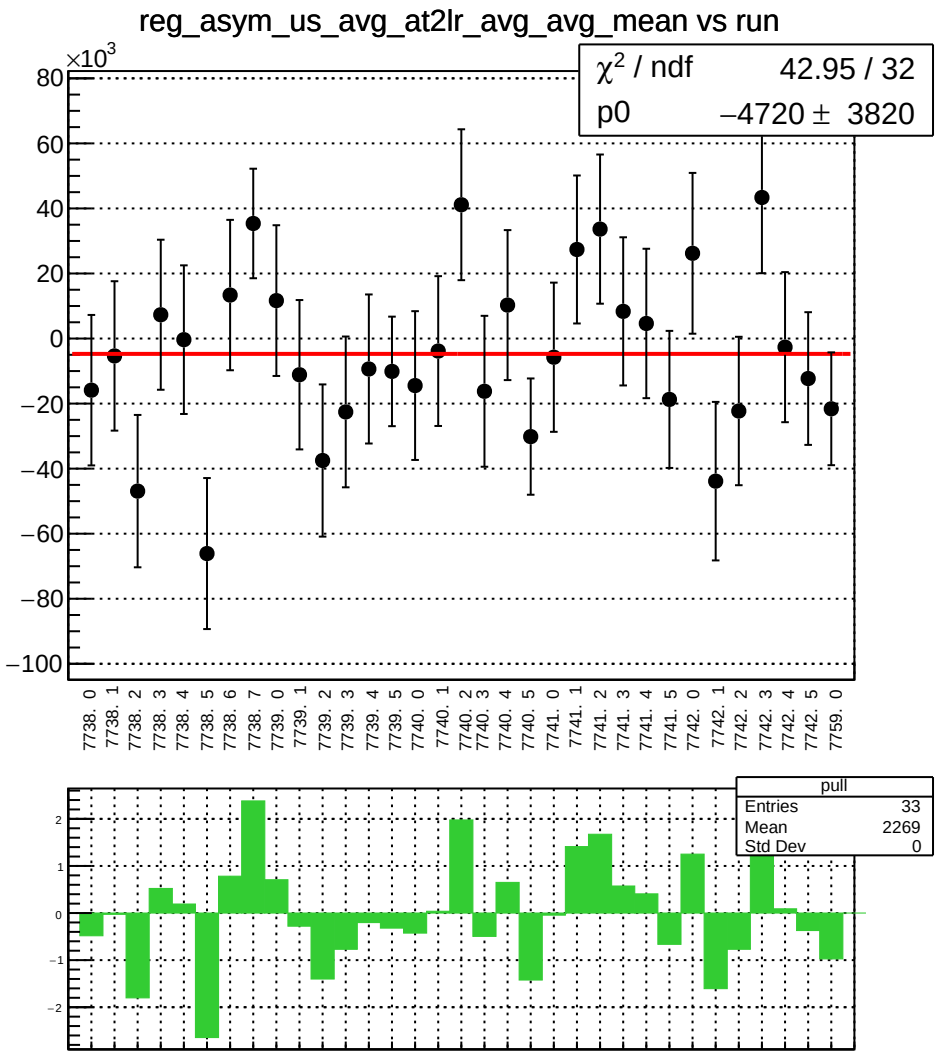

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.97 / 32
p0 −0.1948 ± 0.1966
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.05611
Std Dev 0.9827
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

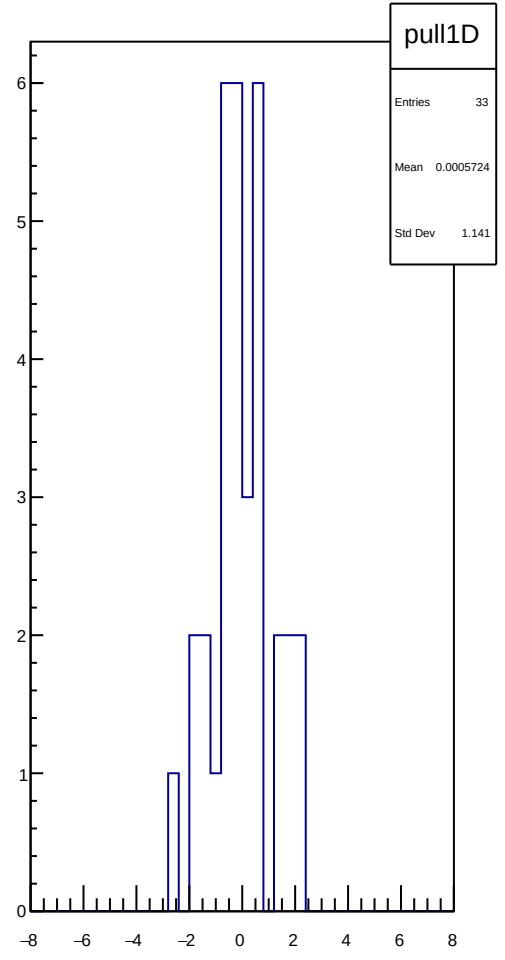

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9e+04 / 32
p0 105.2 ± 0.139
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

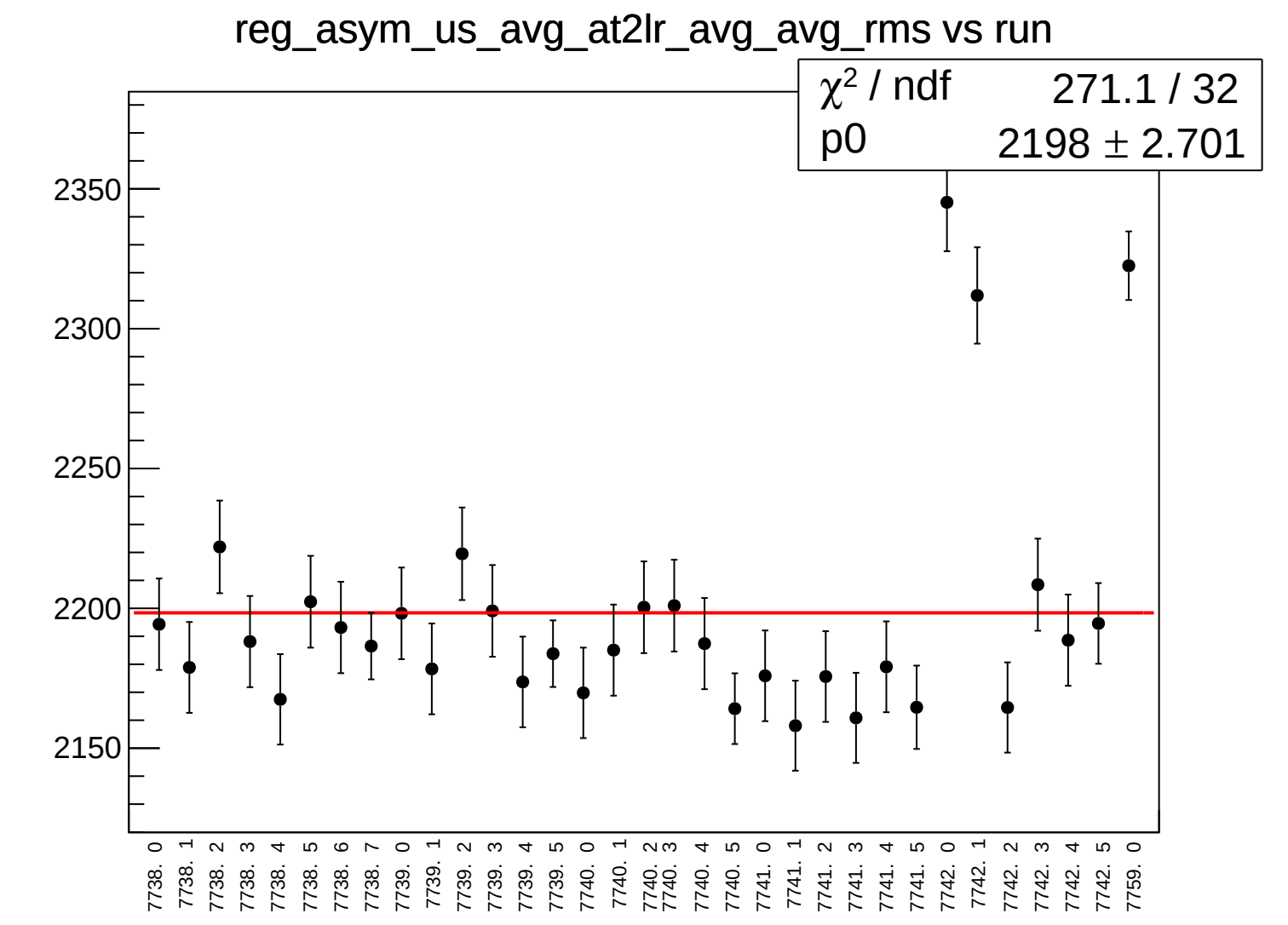

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.6 / 32
p0 −7.215e−14 ± 7.991e−14
20
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.43
Std Dev 9.89
3
2
1
0
−1
−2

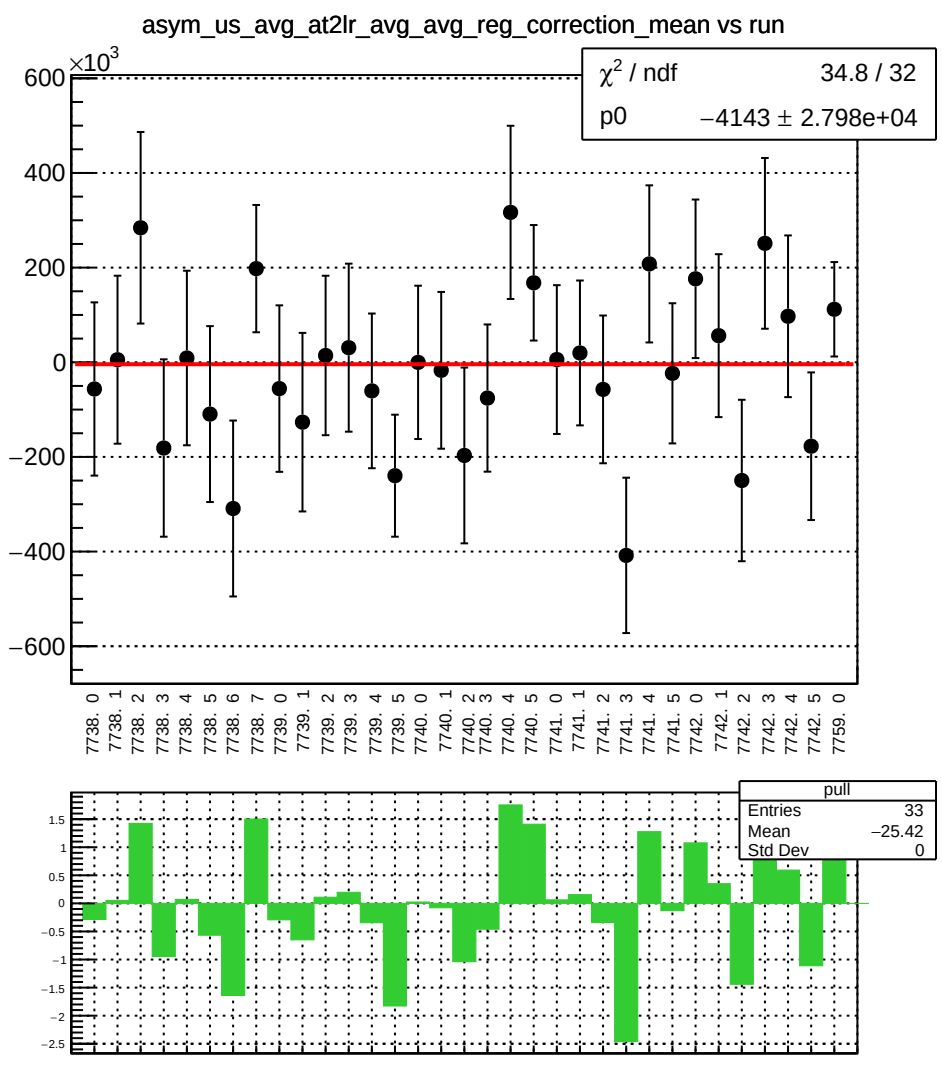

pull1D
Entries 33
Mean 0.2331
Std Dev 1.204
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

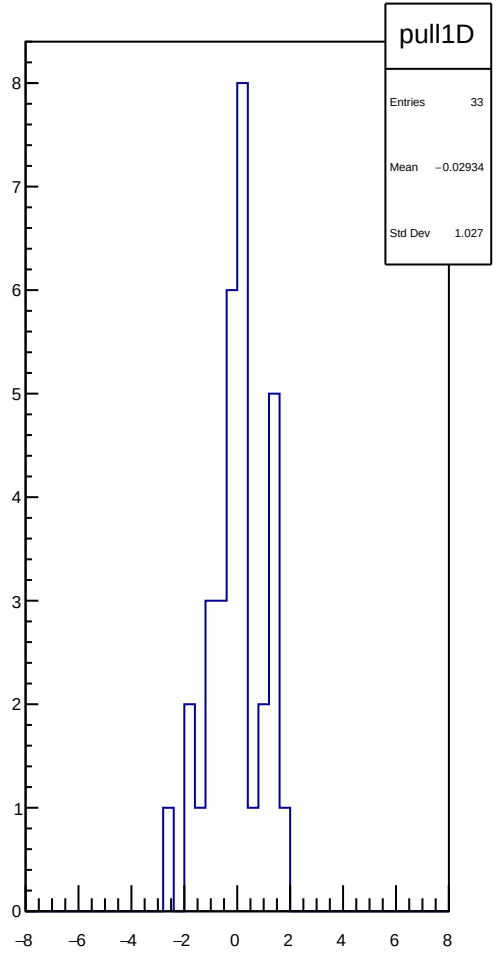

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.712e+05 / 32
p0 2.474e−11 ± 5.651e−14
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

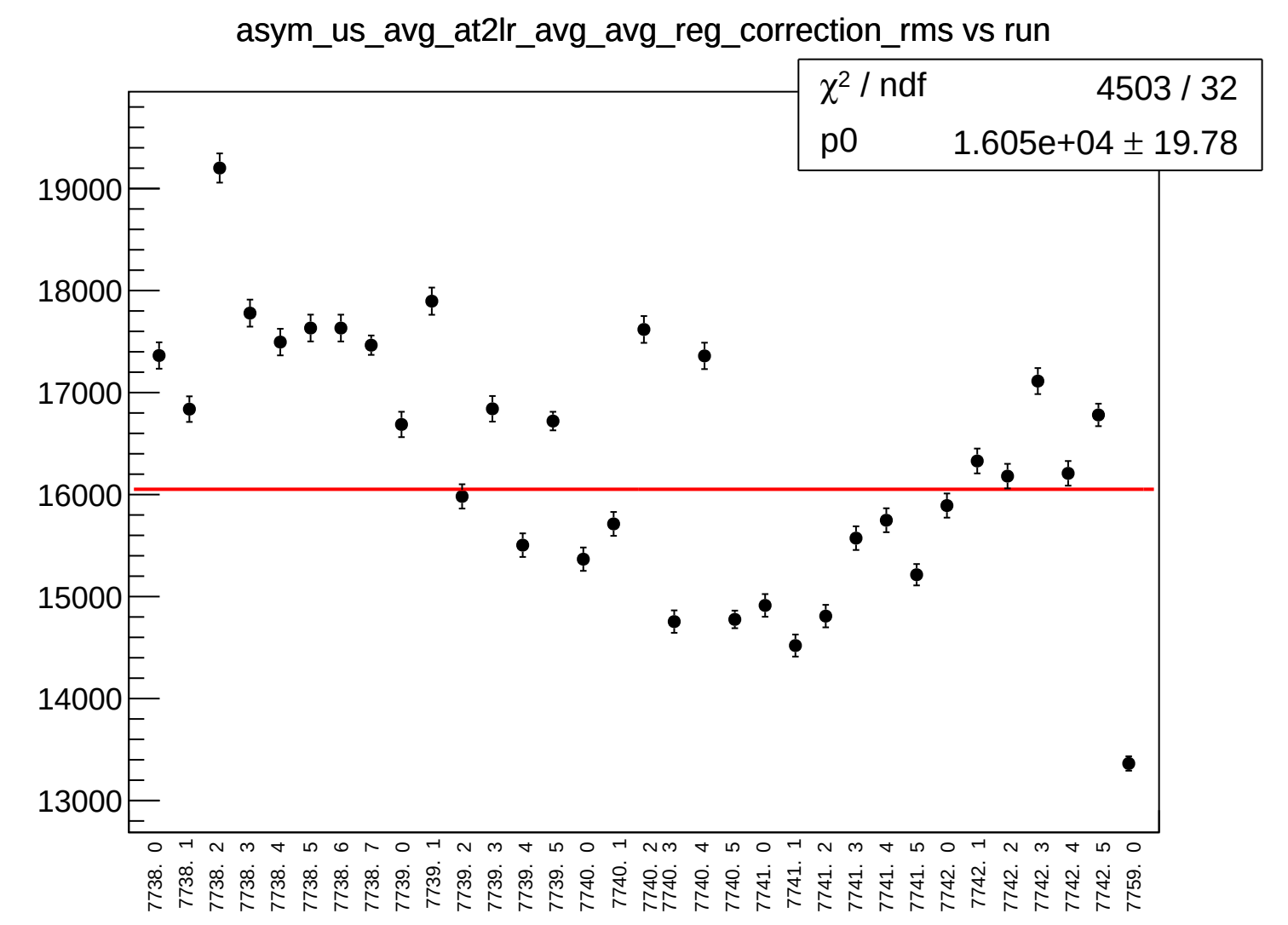

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 42.95 / 32
p0 −4720 ± 3820
×10³
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2269
Std Dev 0
2
1
0
−1
−2

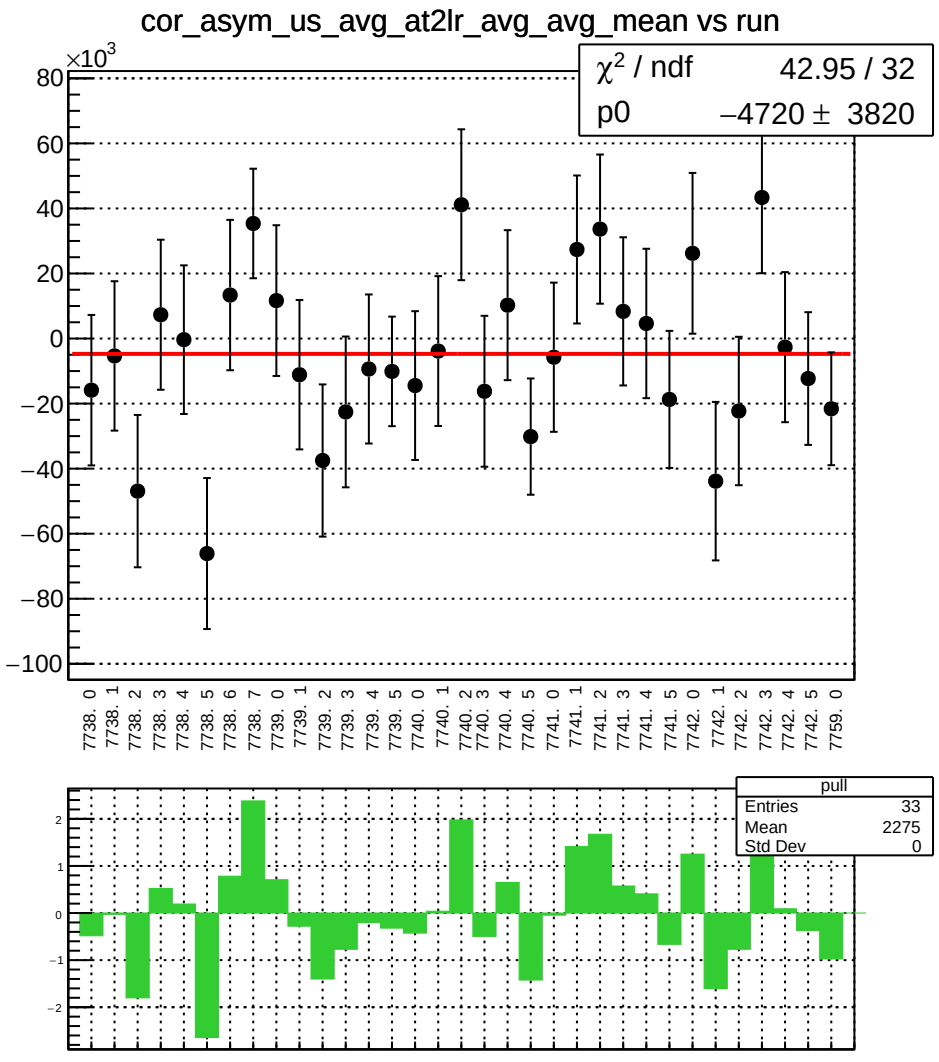

pull1D
Entries 33
Mean 0.0005724
Std Dev 1.141
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

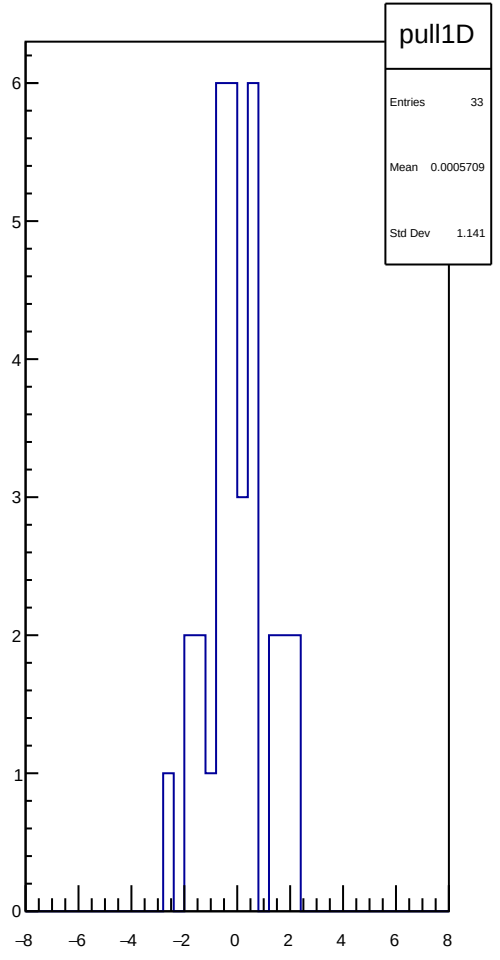

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 271.1 / 32
p0 2198 ± 2.701
2350
2300
2250
2200
2150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

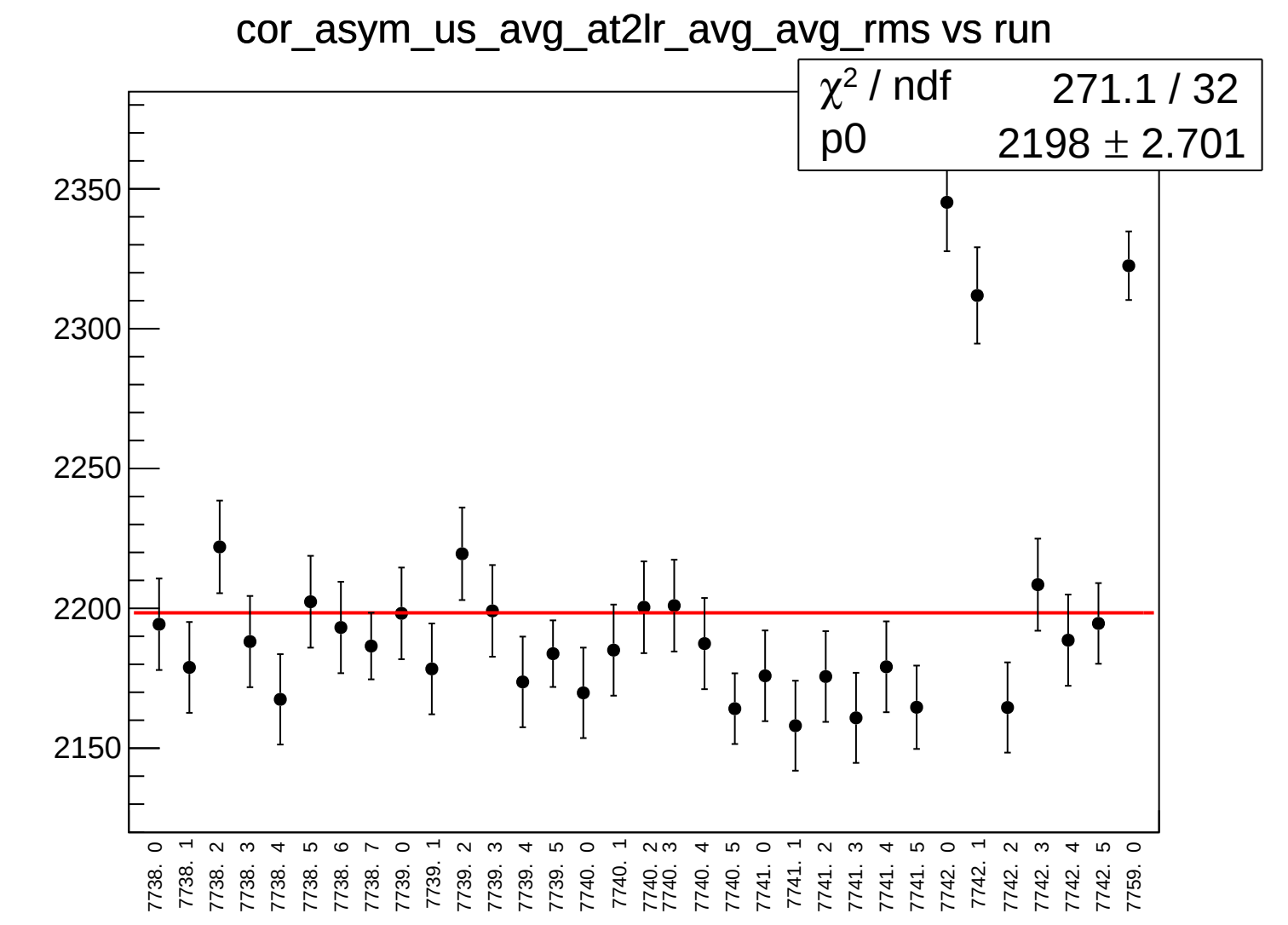

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.8 / 32
p0 −4143 ± 2.798e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

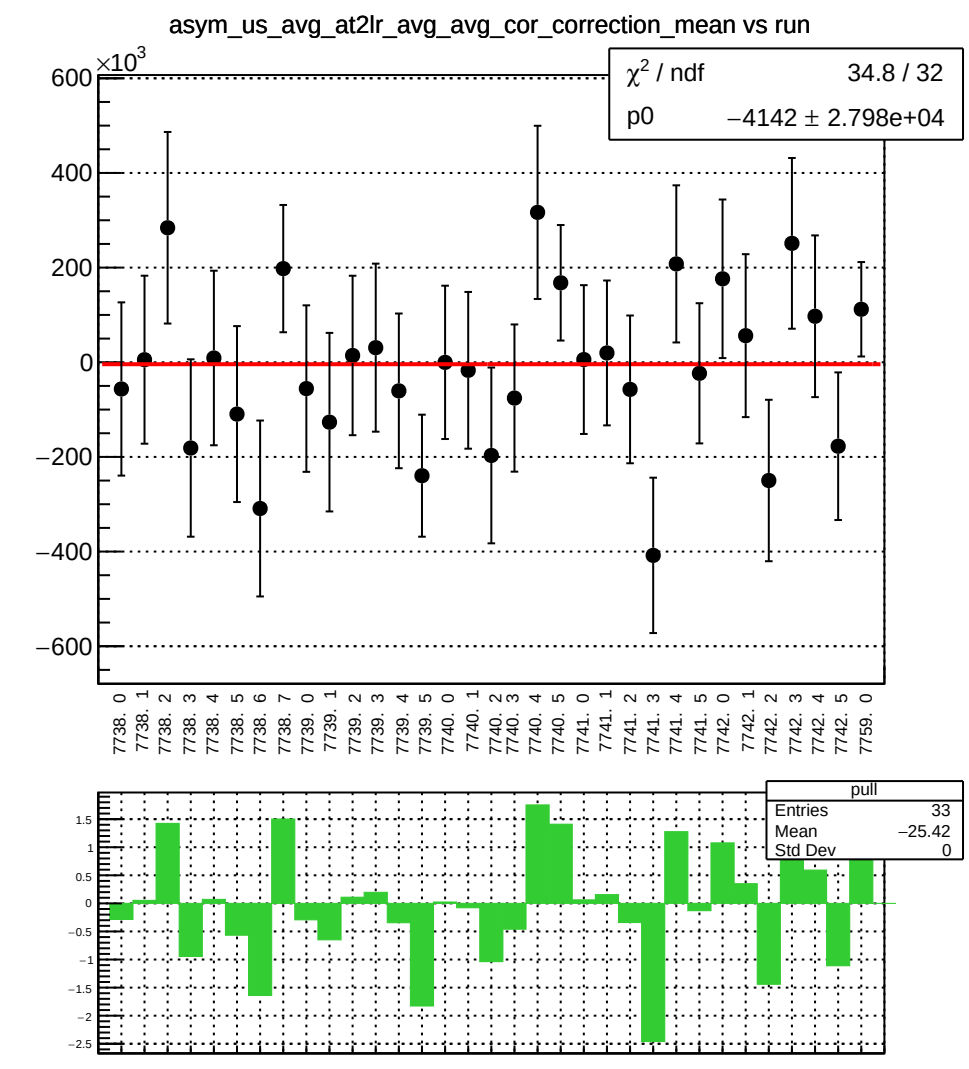

pull1D
Entries 33
Mean −0.02934
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

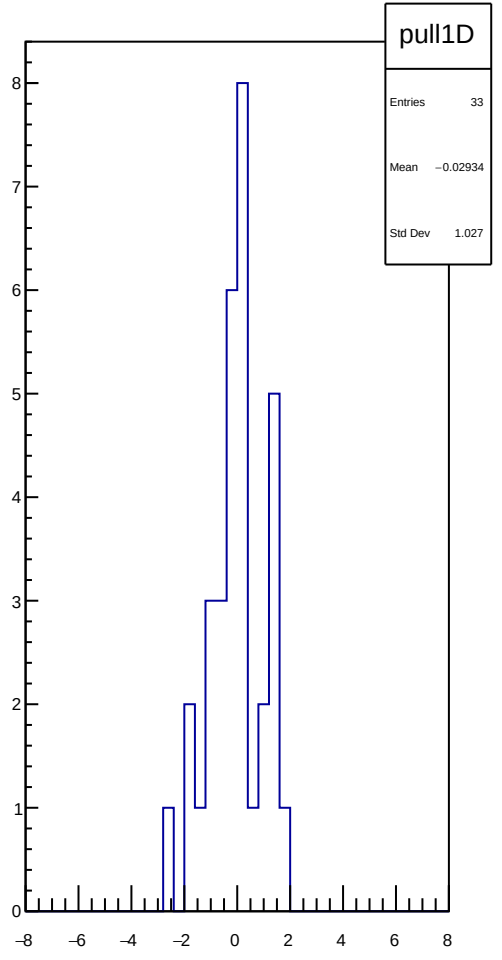

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 4503 / 32
p0 1.605e+04 ± 19.78
19000
18000
17000
16000
15000
14000
13000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

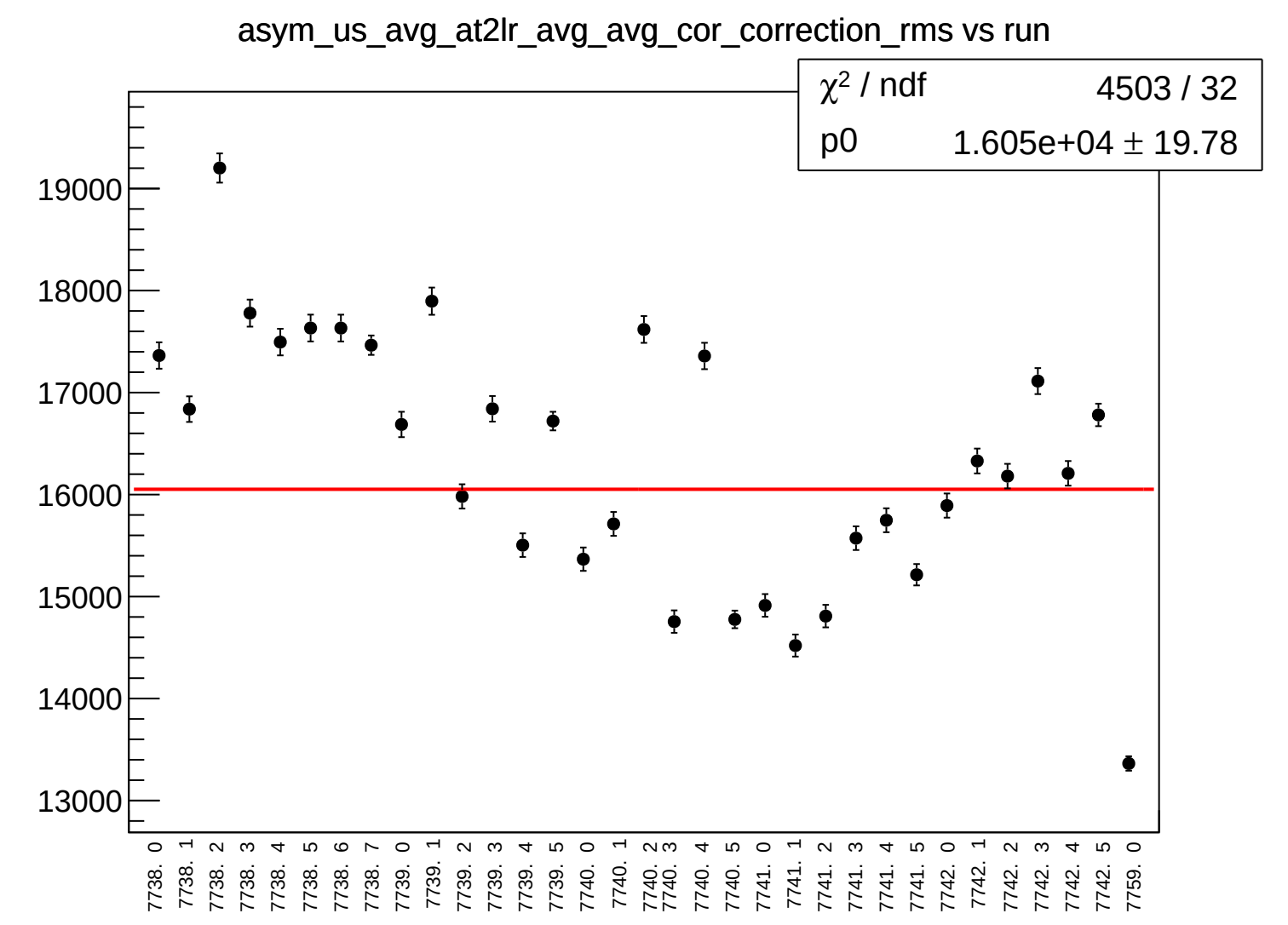

cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 42.95 / 32
p0 −4720 ± 3820
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2275
Std Dev 0
2
1
0
−1
−2

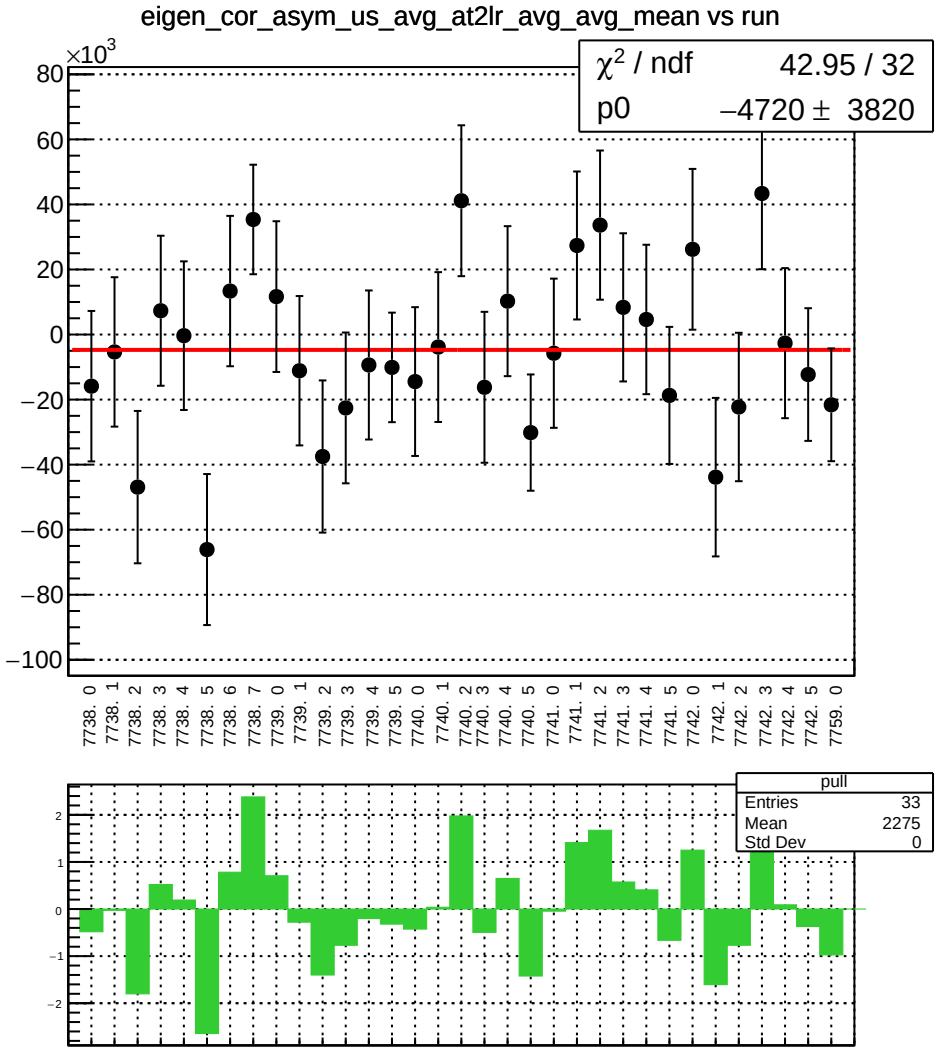

pull1D
Entries 33
Mean 0.0005709
Std Dev 1.141
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

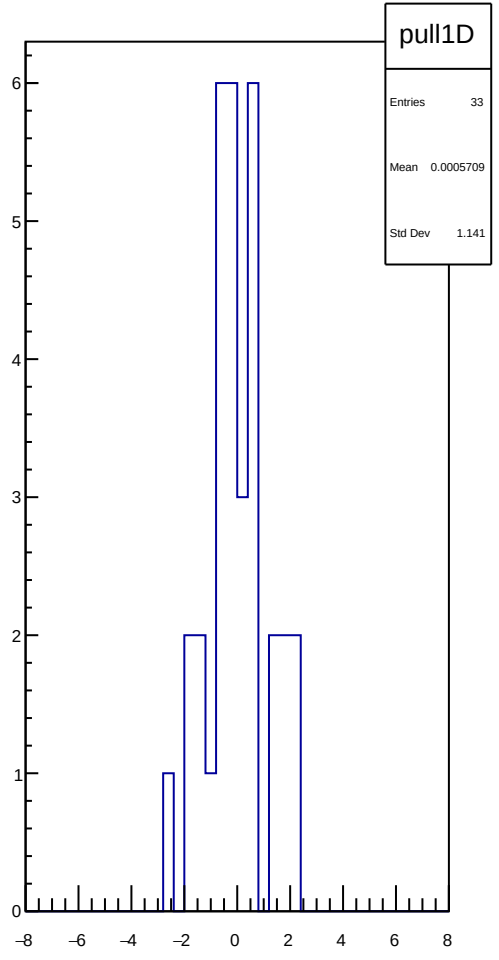

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 271.1 / 32
p0 2198 ± 2.701
2350
2300
2250
2200
2150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

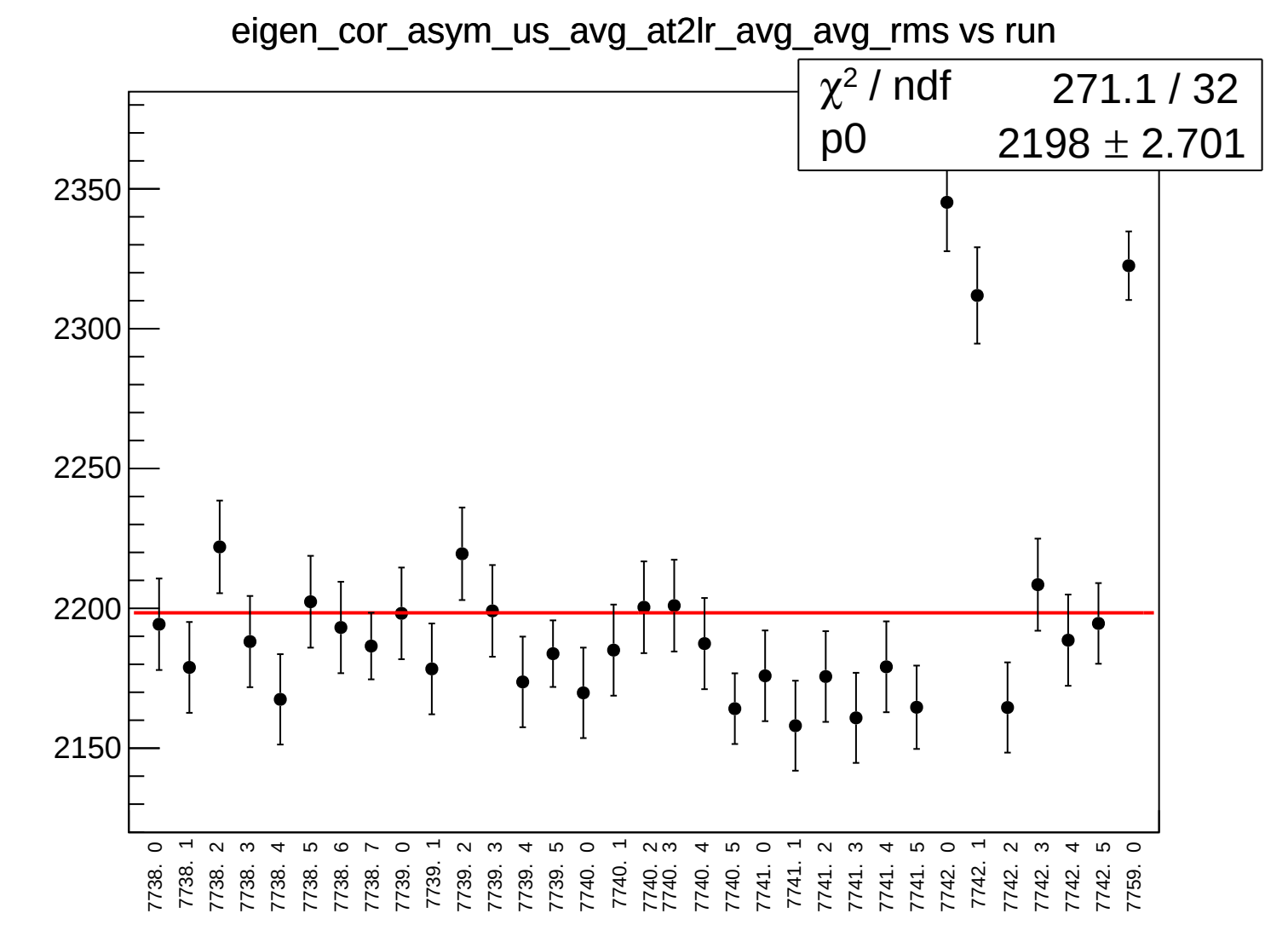

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.8 / 32
p0 −4142 ± 2.798e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

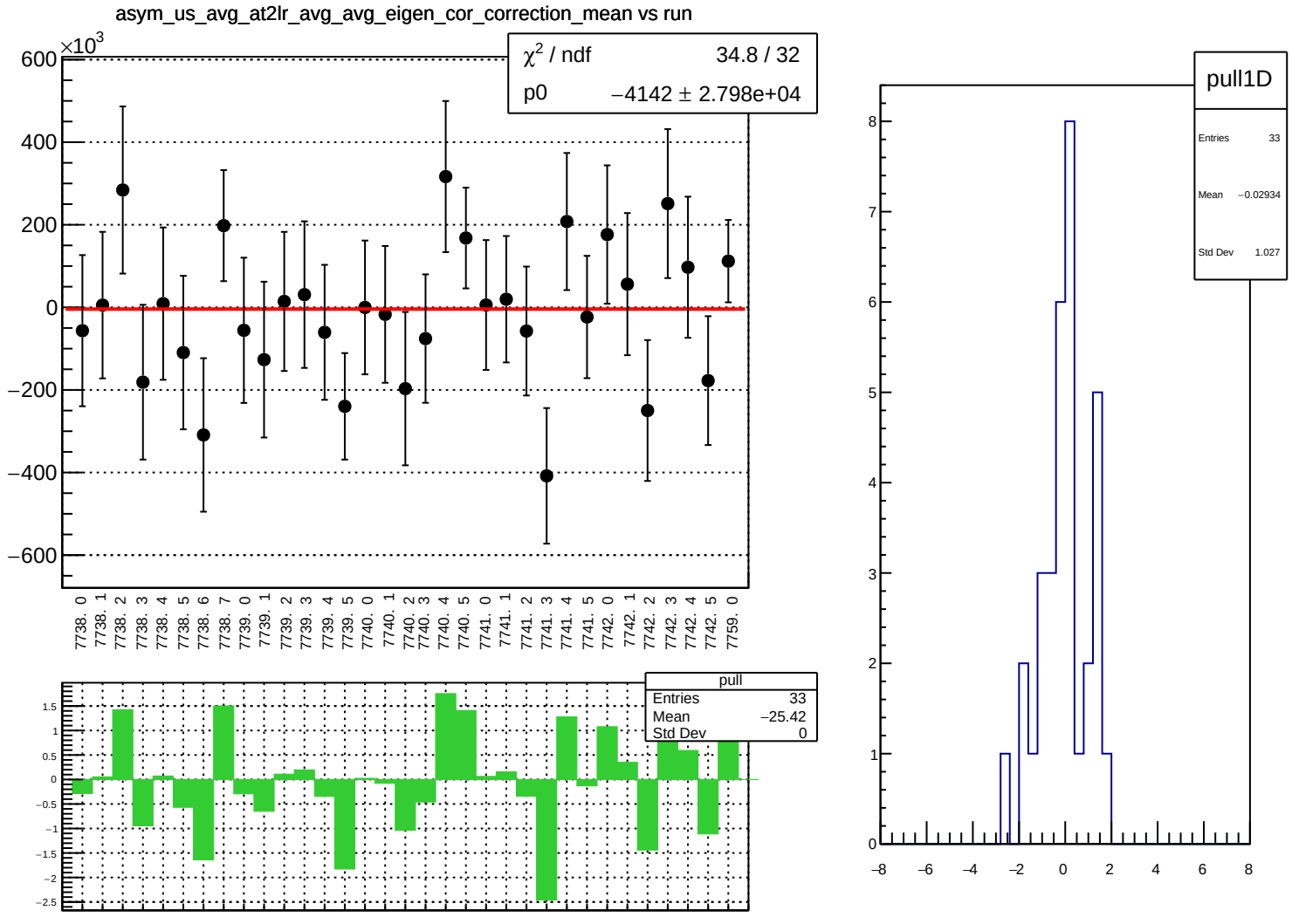

pull1D
Entries 33
Mean −0.02934
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

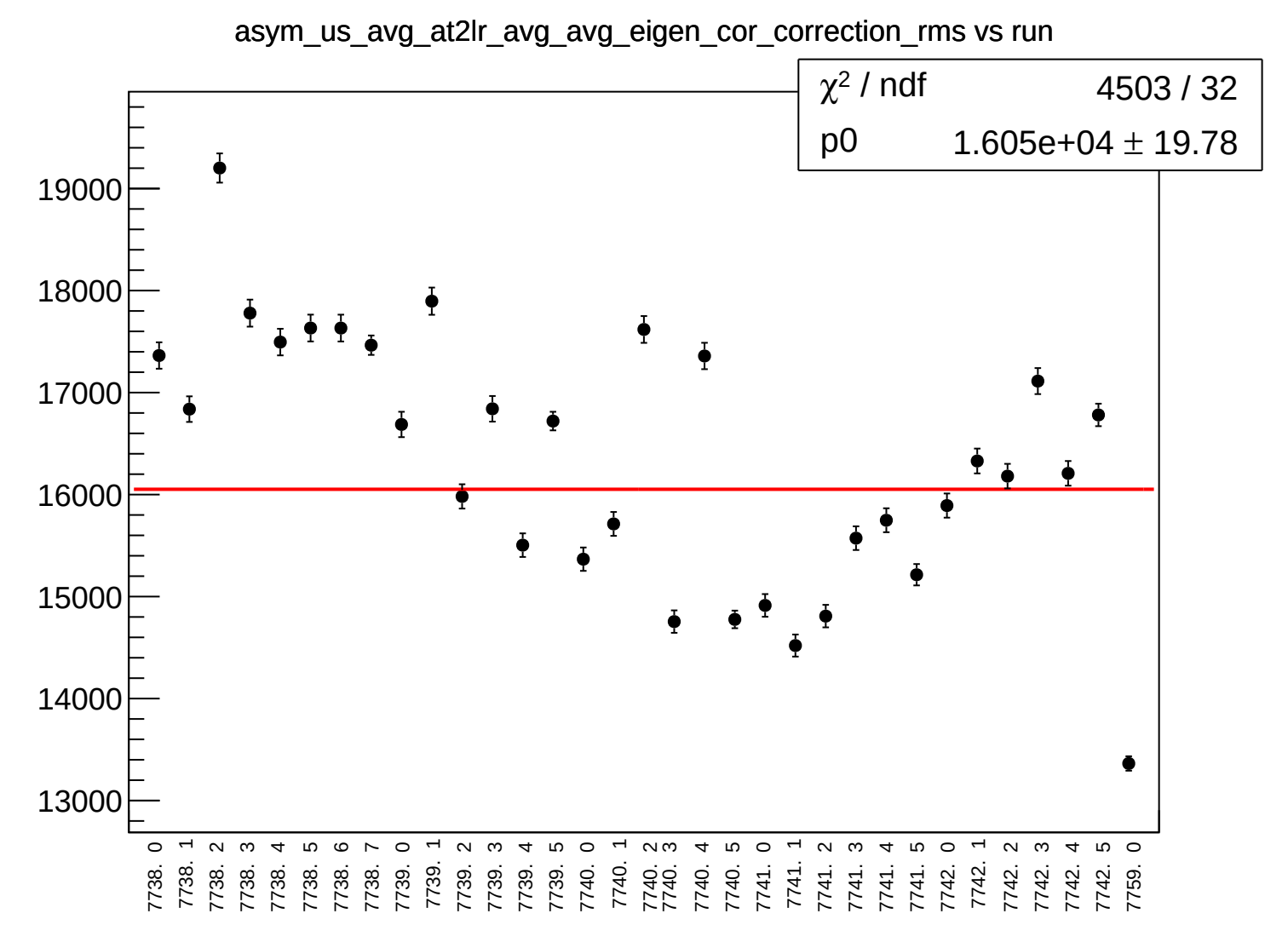

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 4503 / 32
p0 1.605e+04 ± 19.78
19000
18000
17000
16000
15000
14000
13000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

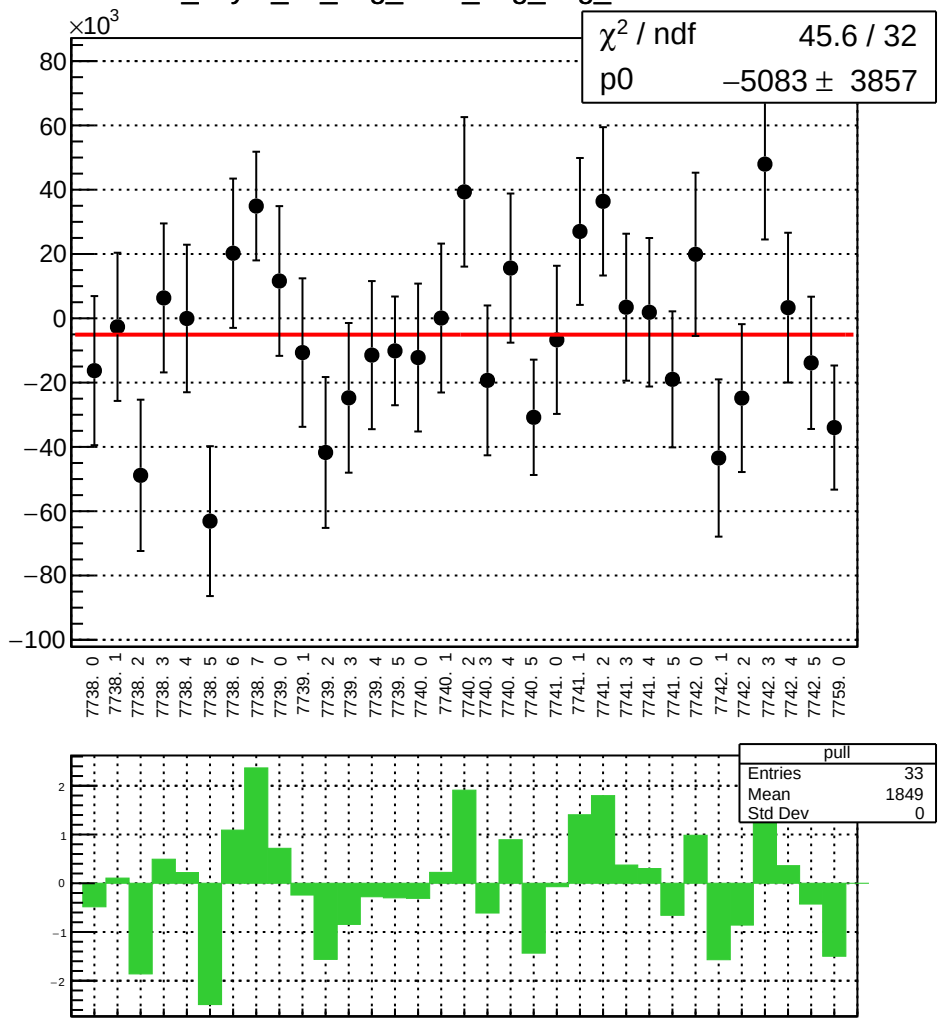

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 42.95 / 32
p0 −4720 ± 3820
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2275
Std Dev 0
2
1
0
−1
−2

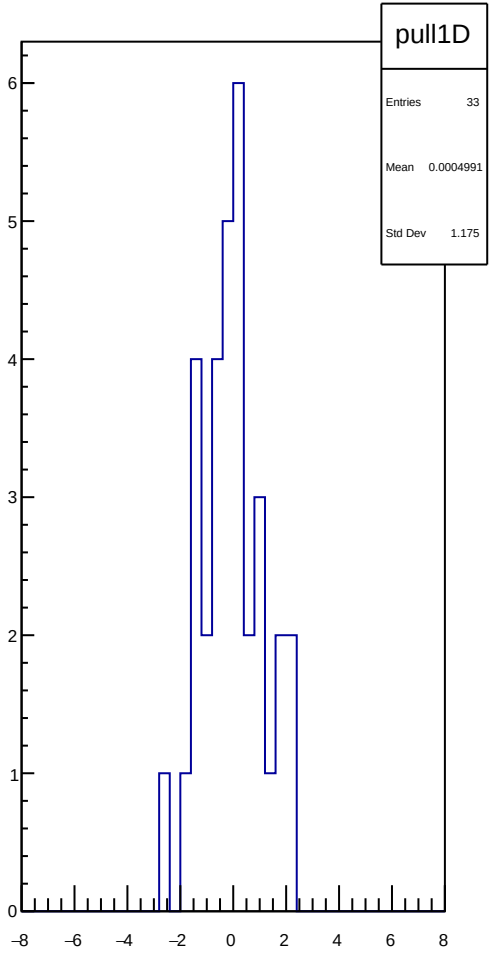

pull1D
Entries 33
Mean 0.0005709
Std Dev 1.141
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

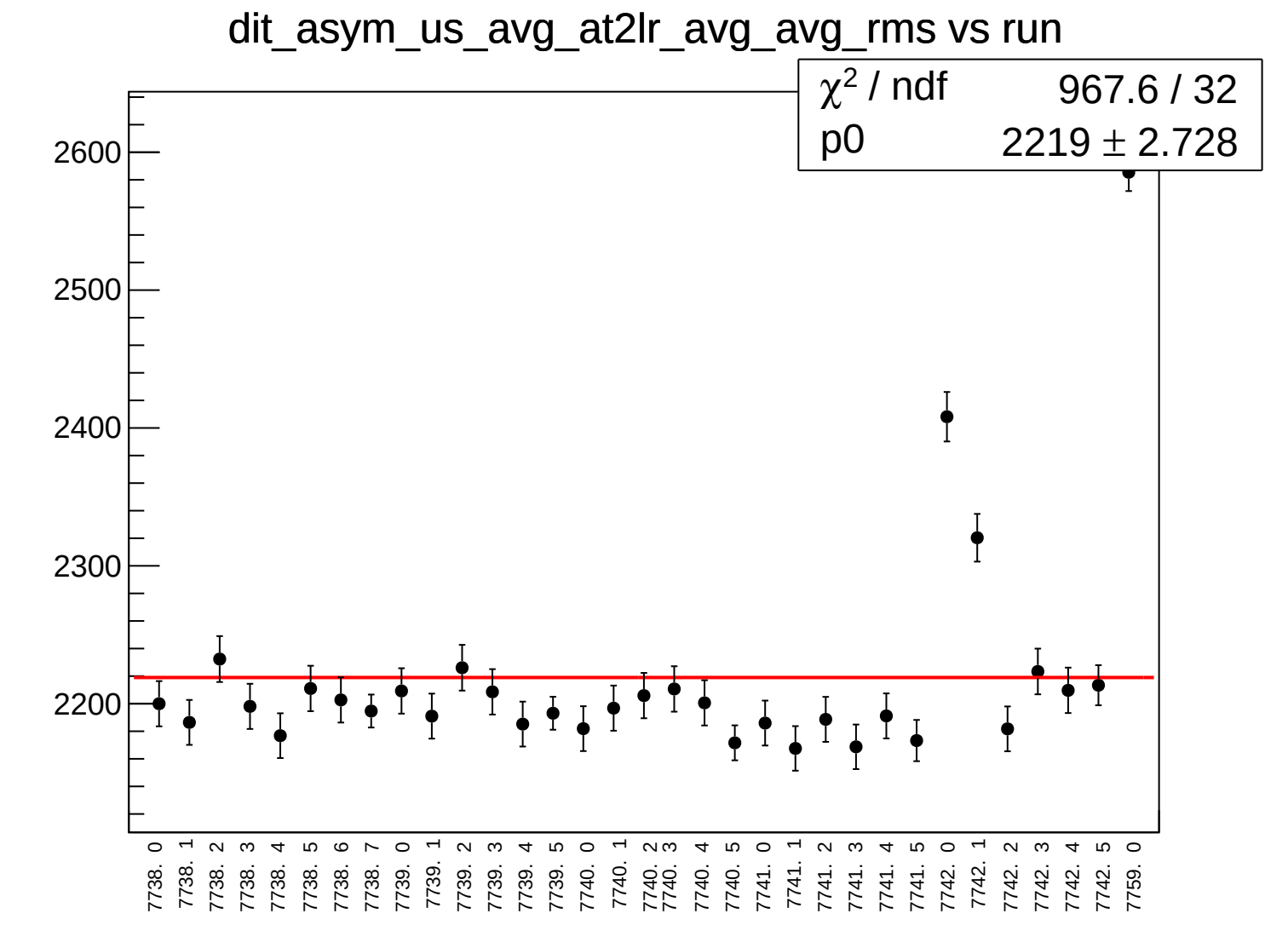

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 271.1 / 32
p0 2198 ± 2.701
2350
2300
2250
2200
2150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

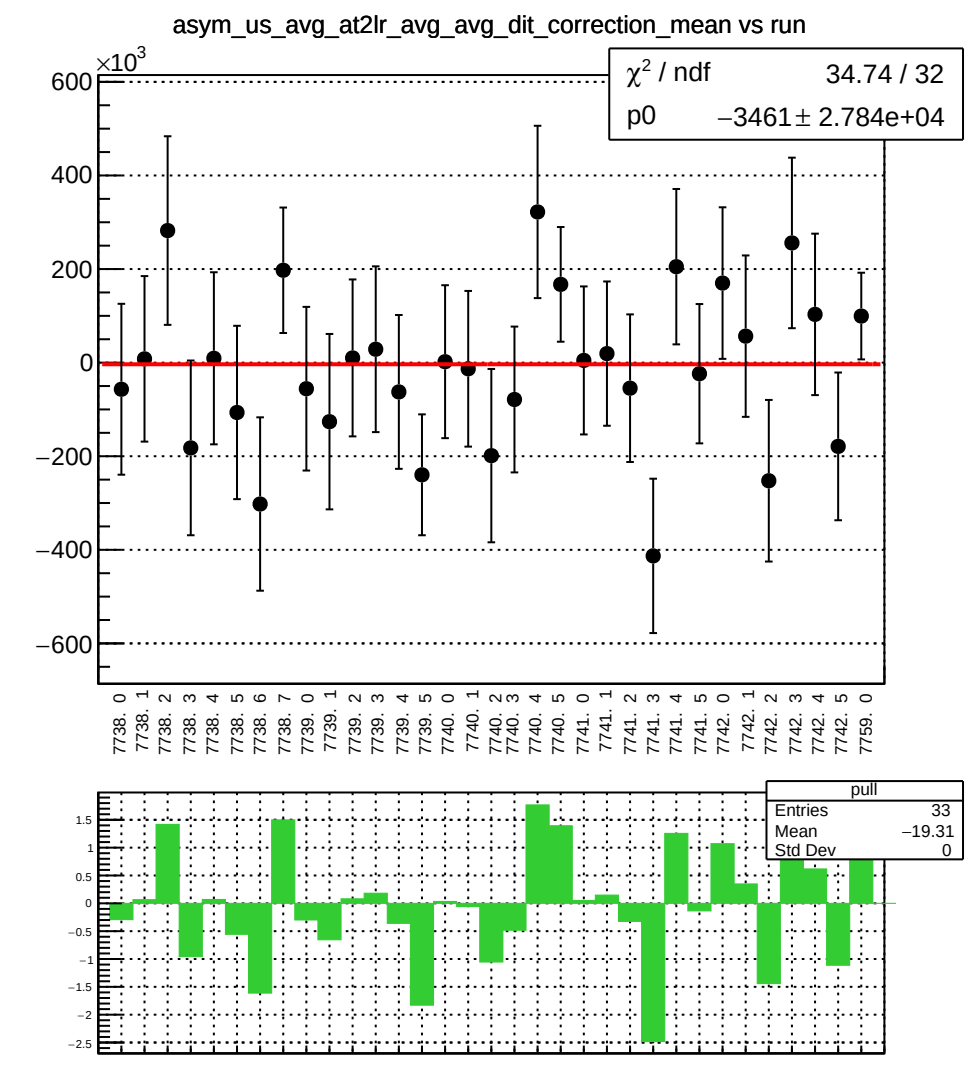

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.8 / 32
p0 −4142 ± 2.798e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.02934
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

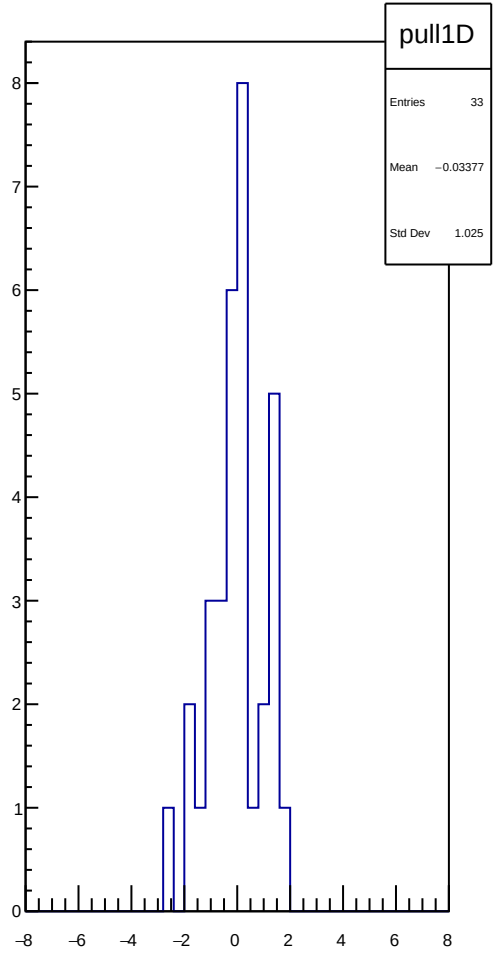

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 4503 / 32
p0 1.605e+04 ± 19.78
19000
18000
17000
16000
15000
14000
13000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

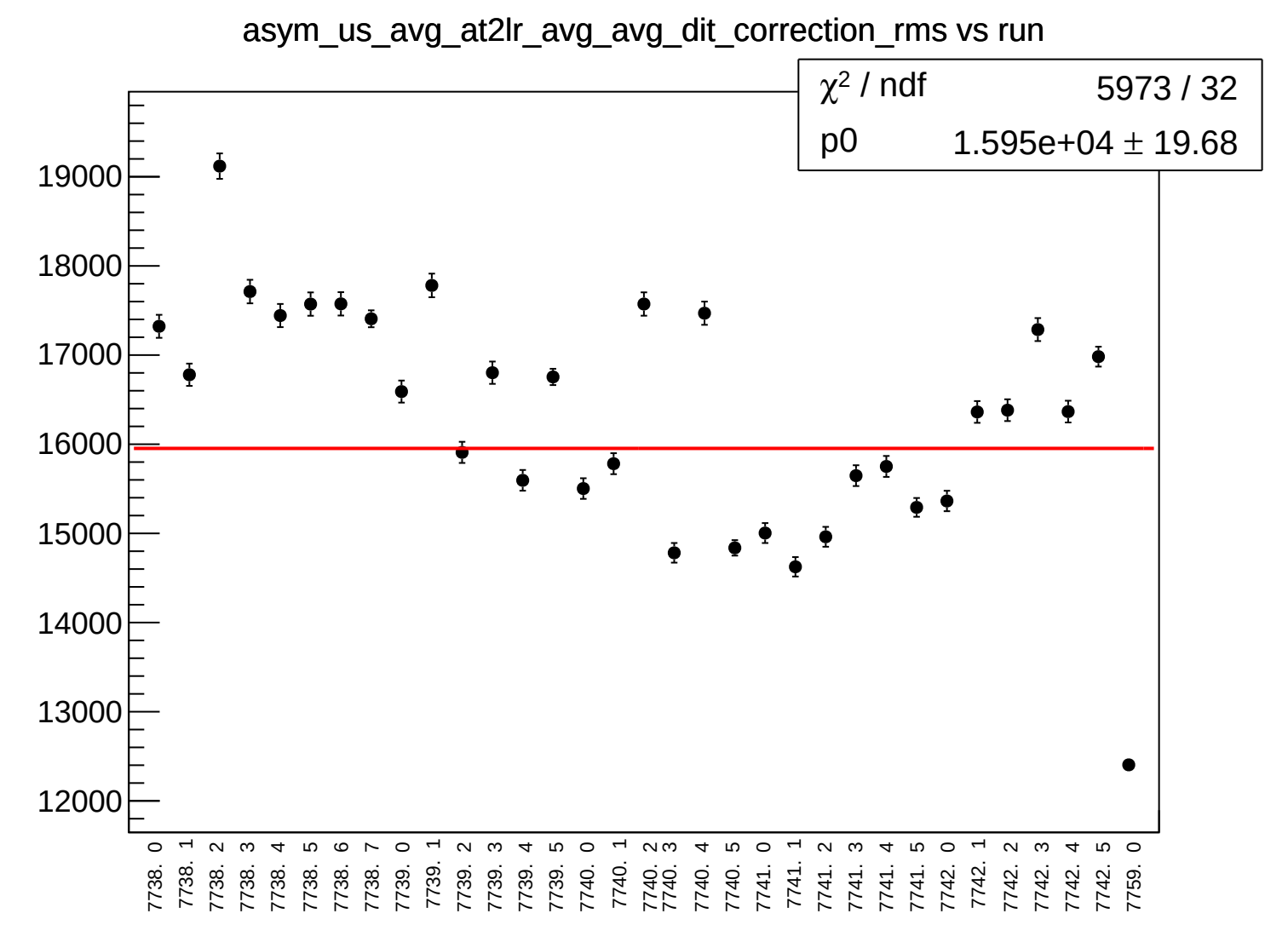

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 45.6 / 32
p0 −5083 ± 3857
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1849
Std Dev 0
2
1
0
−1
−2

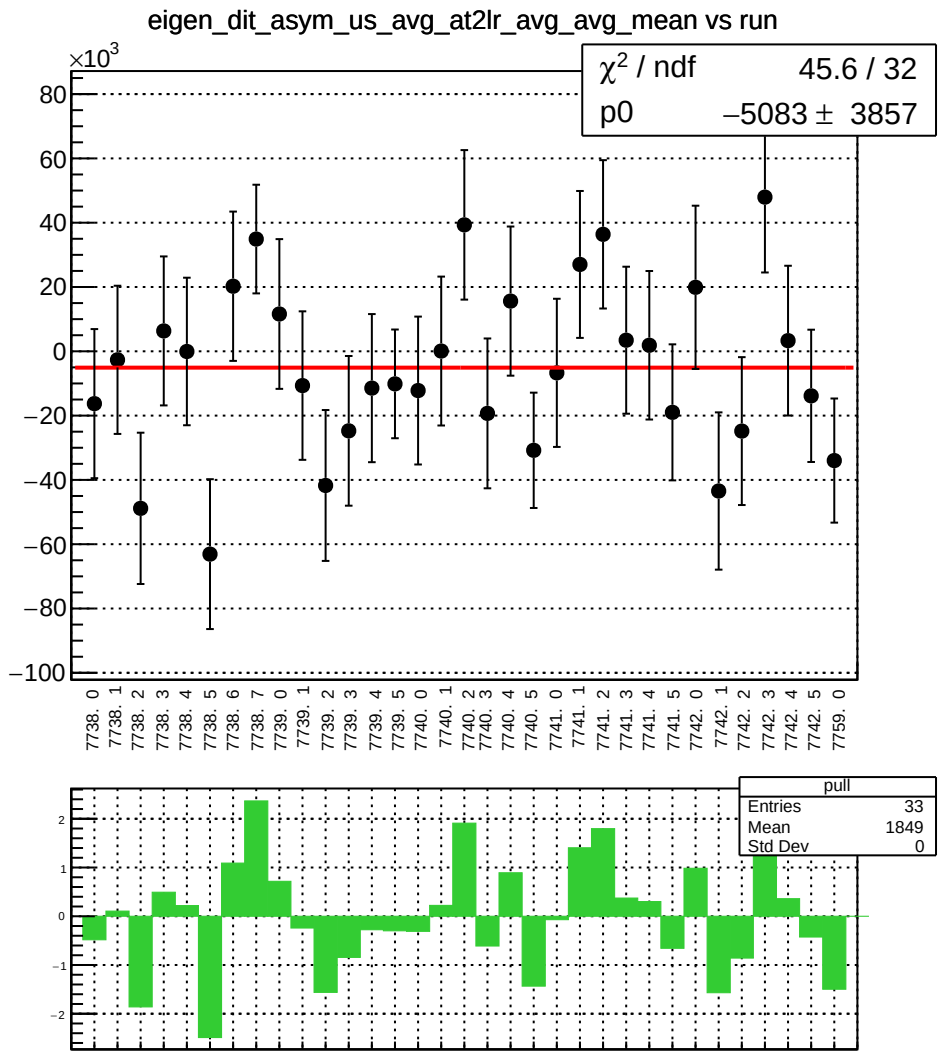

pull1D
Entries 33
Mean 0.0004991
Std Dev 1.175
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

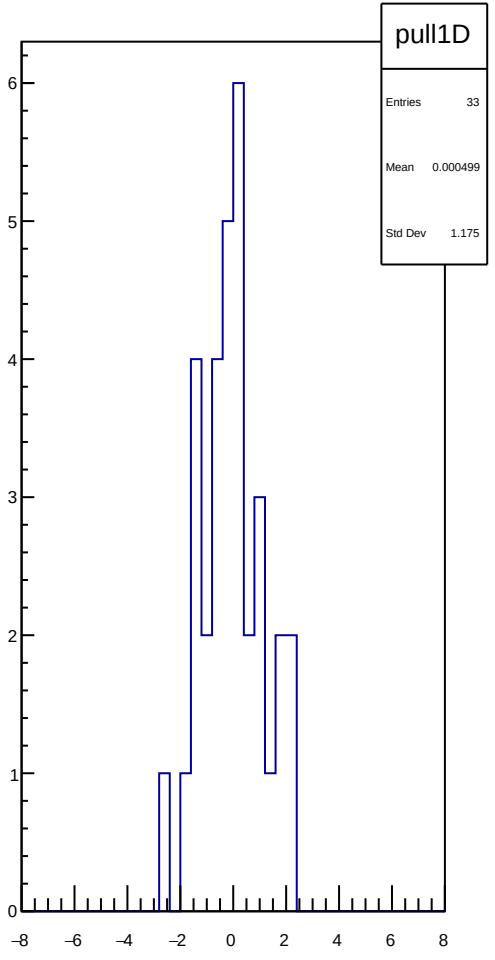

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 967.6 / 32
p0 2219 ± 2.728
2600
2500
2400
2300
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

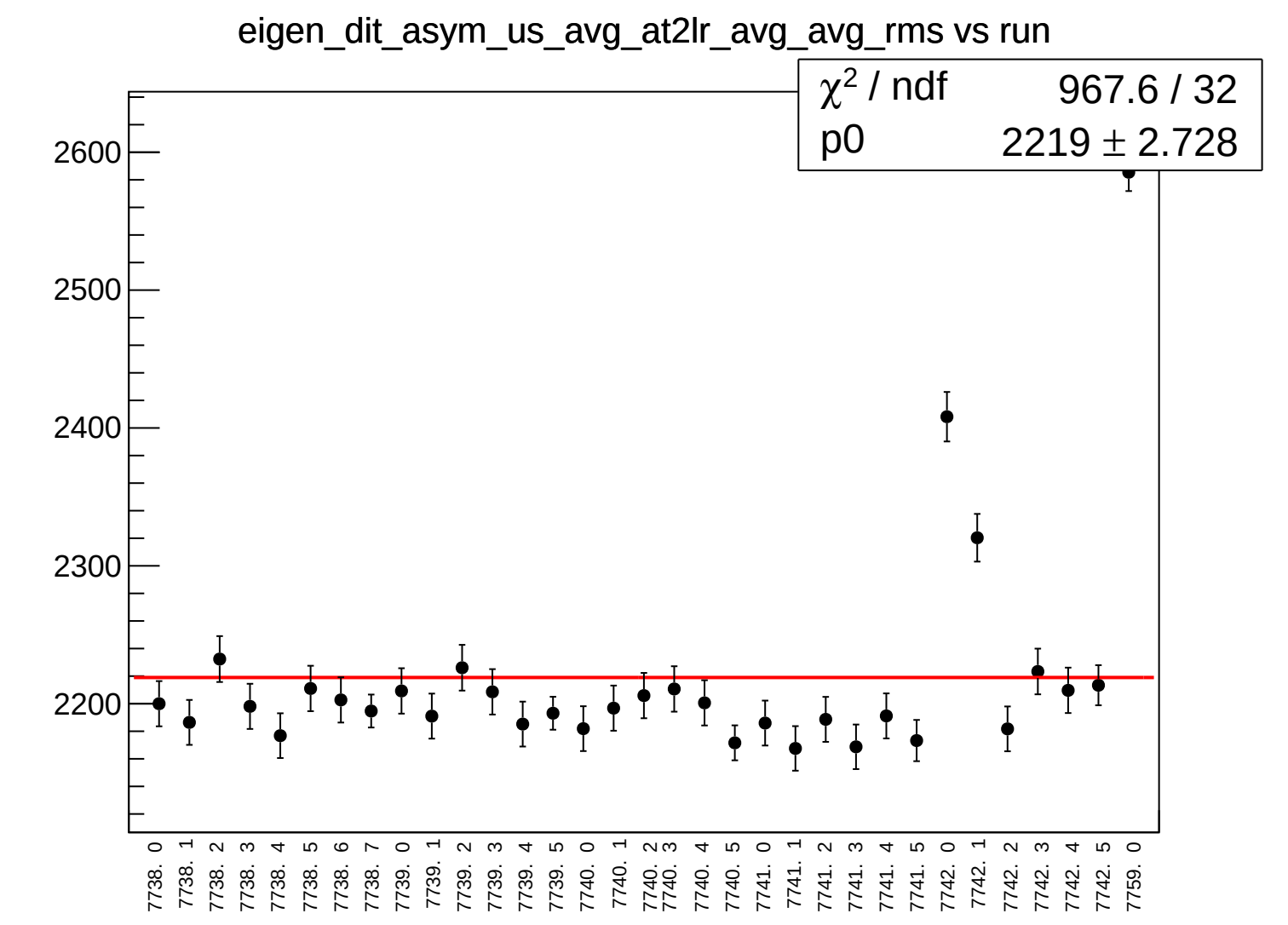

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.74 / 32
p0 −3461 ± 2.784e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

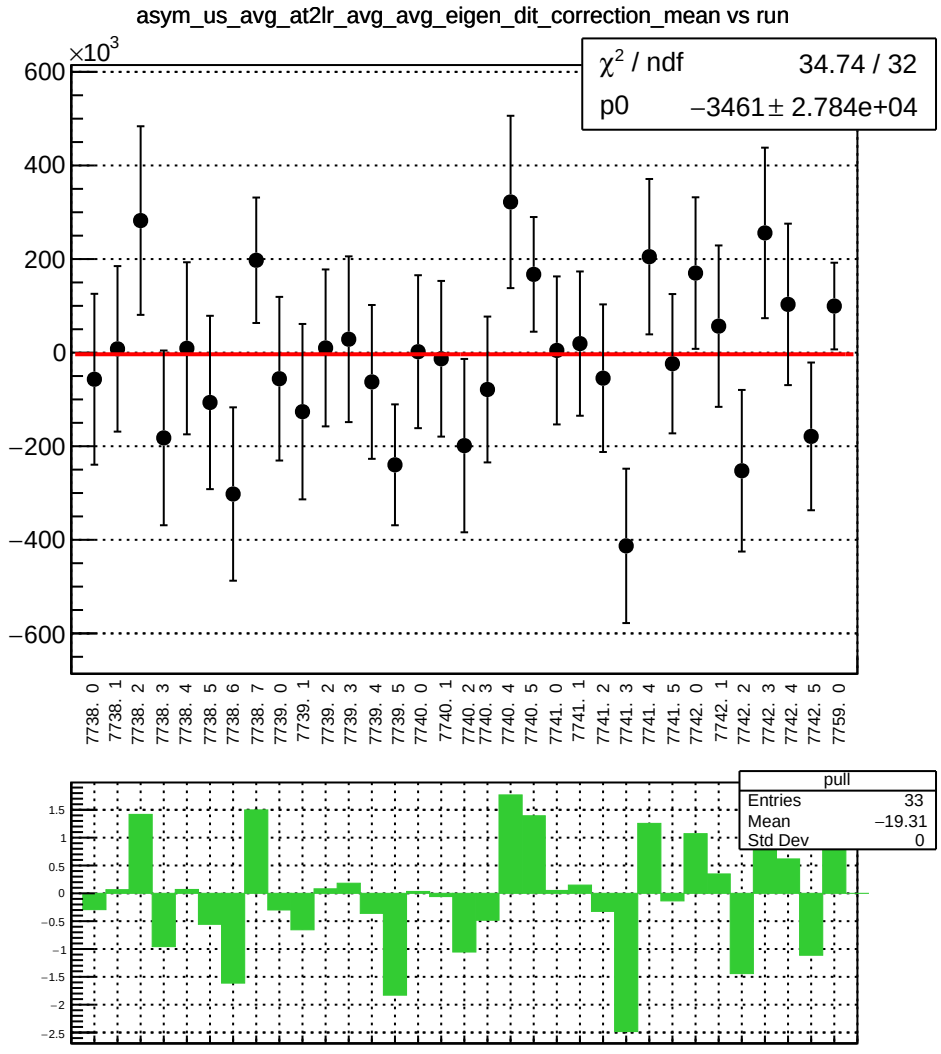

pull1D
Entries 33
Mean −0.03377
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

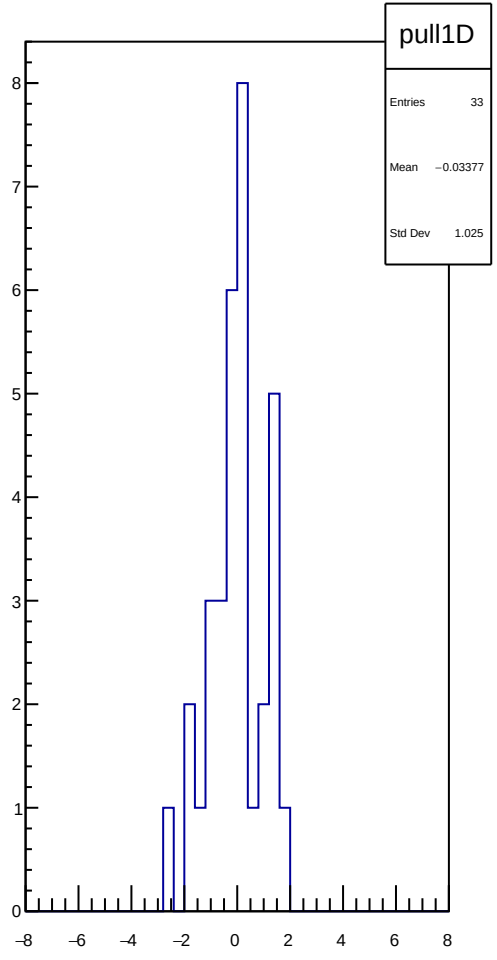

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 5973 / 32
p0 1.595e+04 ± 19.68
19000
18000
17000
16000
15000
14000
13000
12000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

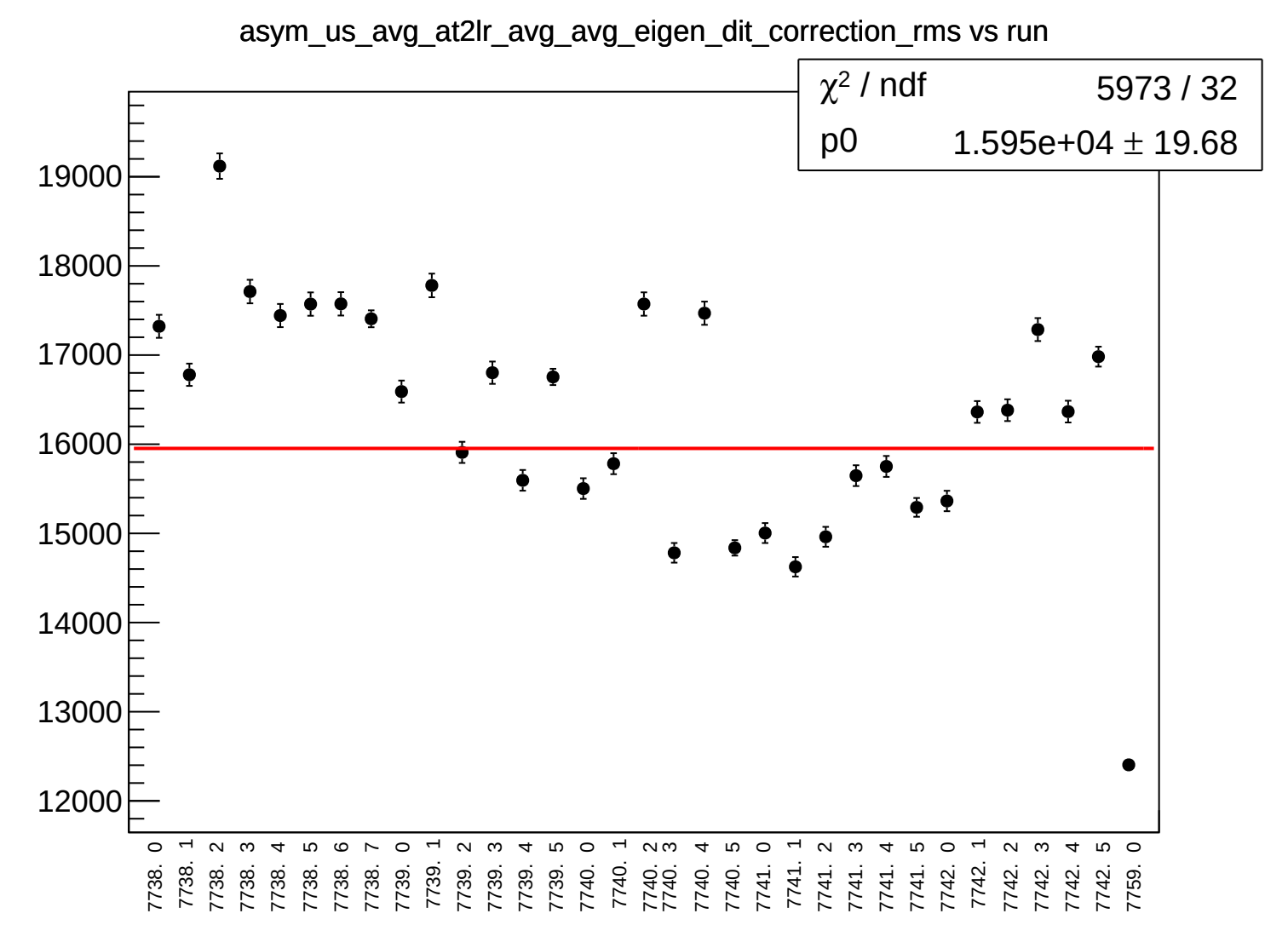

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 45.6 / 32
p0 −5083 ± 3857
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1849
Std Dev 0
2
1
0
−1
−2

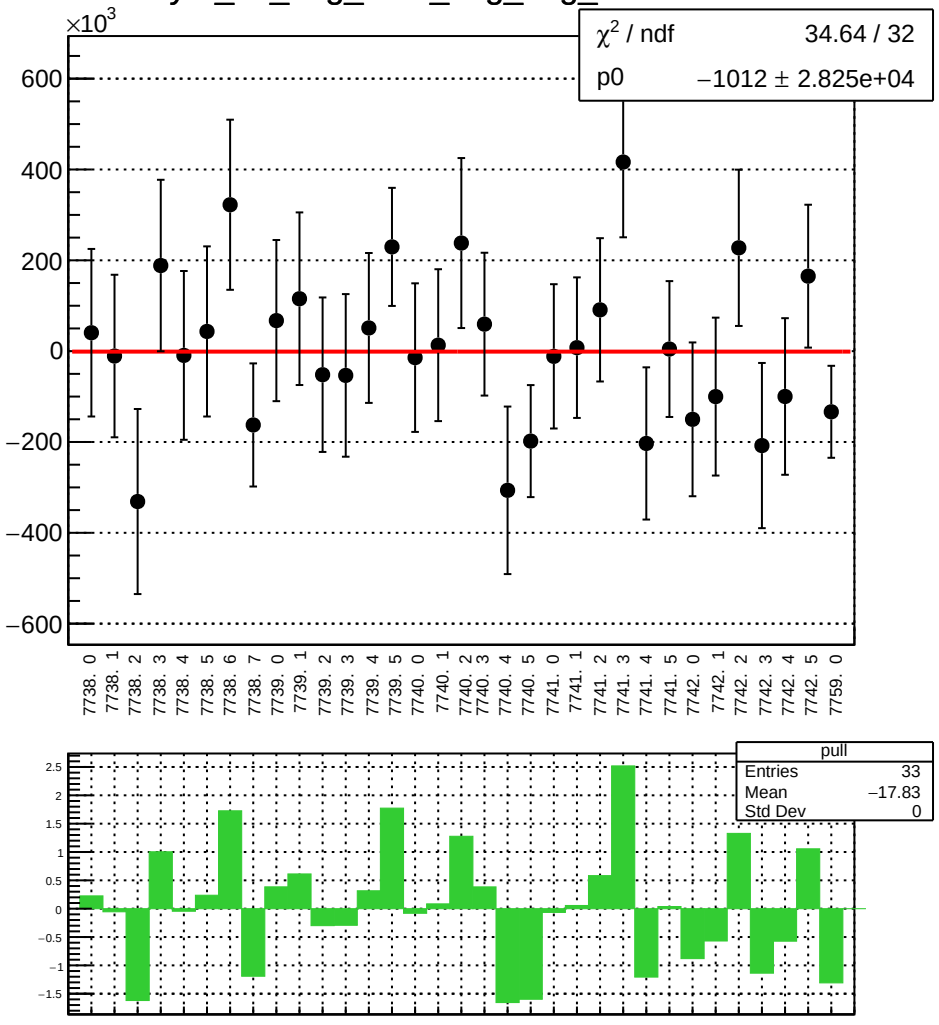

pull1D
Entries 33
Mean 0.000499
Std Dev 1.175
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

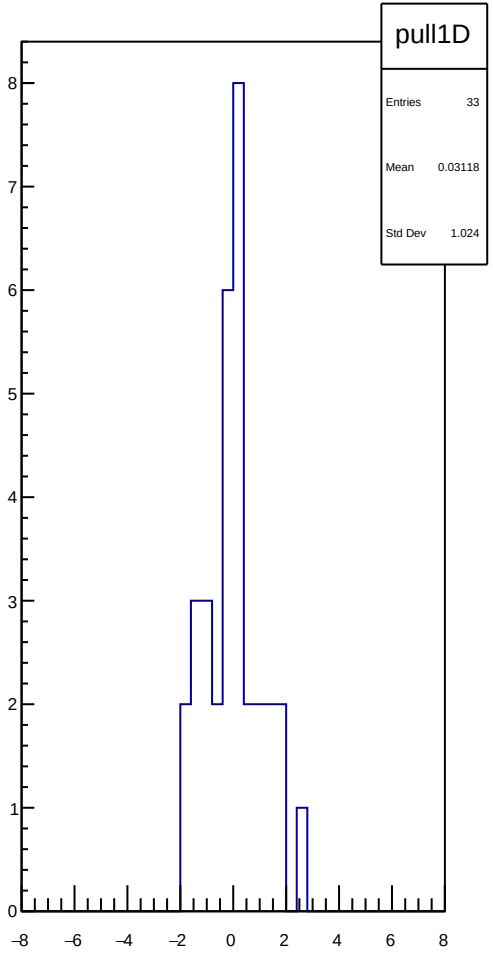

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 967.6 / 32
p0 2219 ± 2.728
2600
2500
2400
2300
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

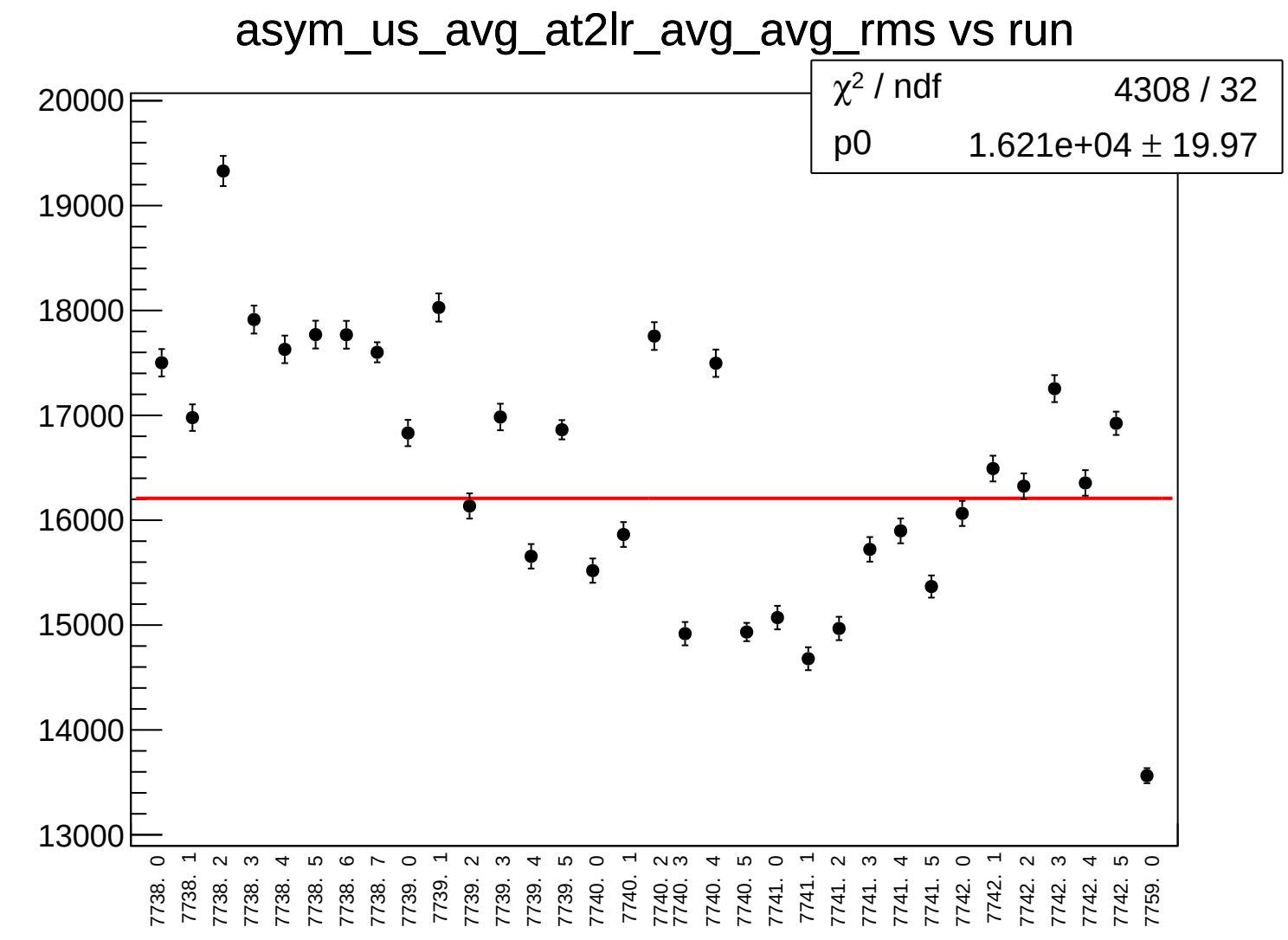

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.74 / 32
p0 −3461 ± 2.784e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

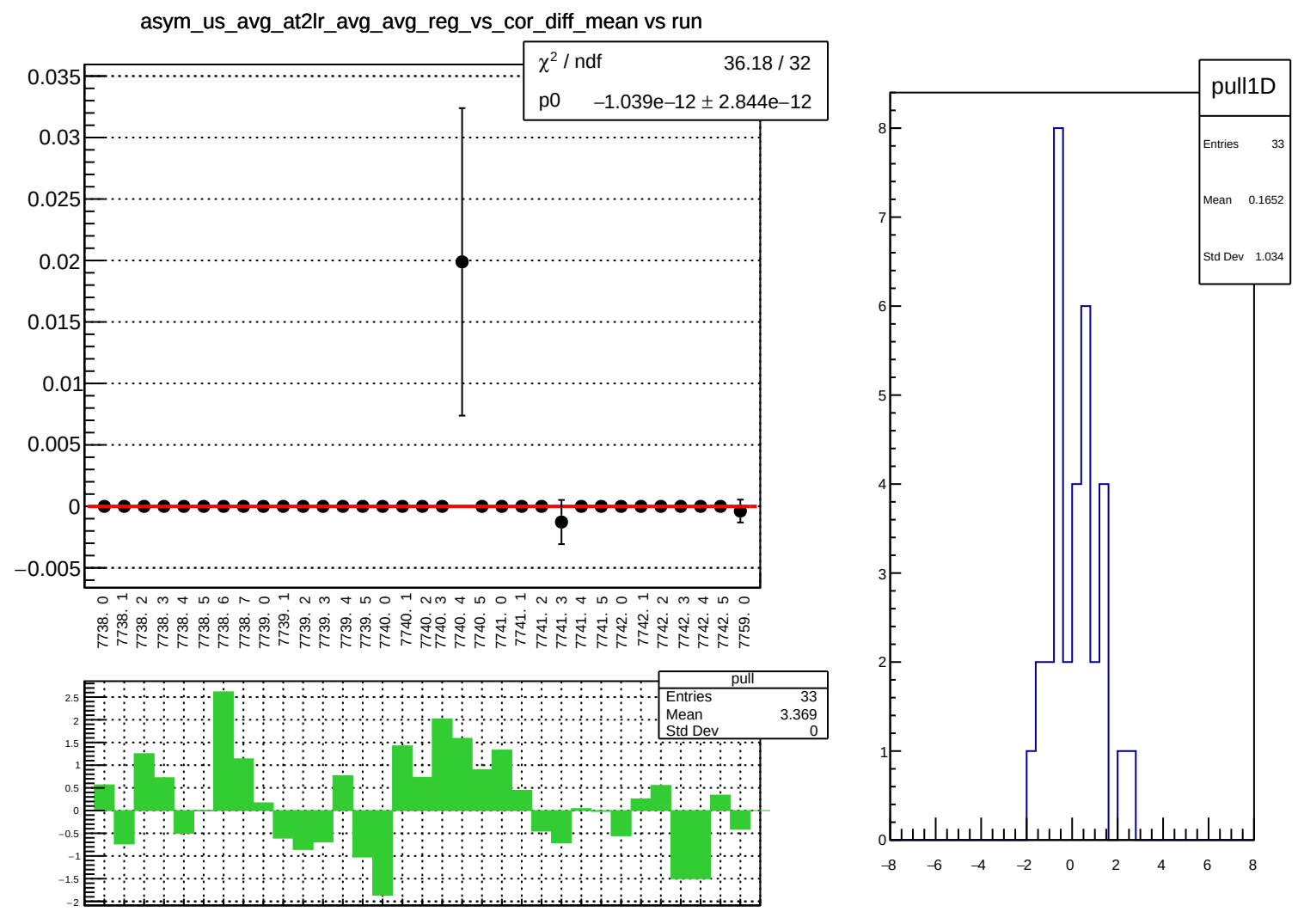

pull1D
Entries 33
Mean −0.03377
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

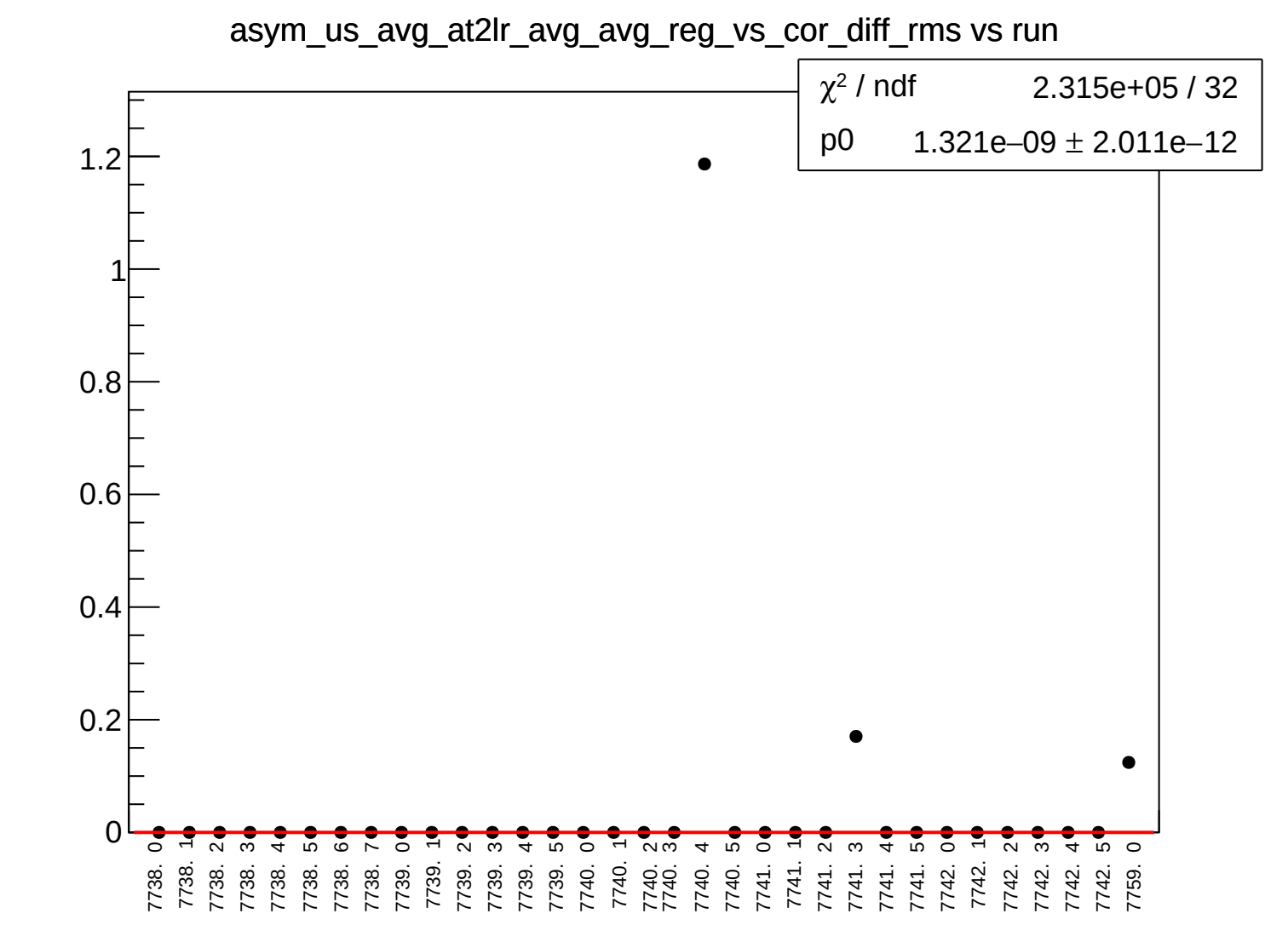

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 5973 / 32
p0 1.595e+04 ± 19.68
19000
18000
17000
16000
15000
14000
13000
12000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

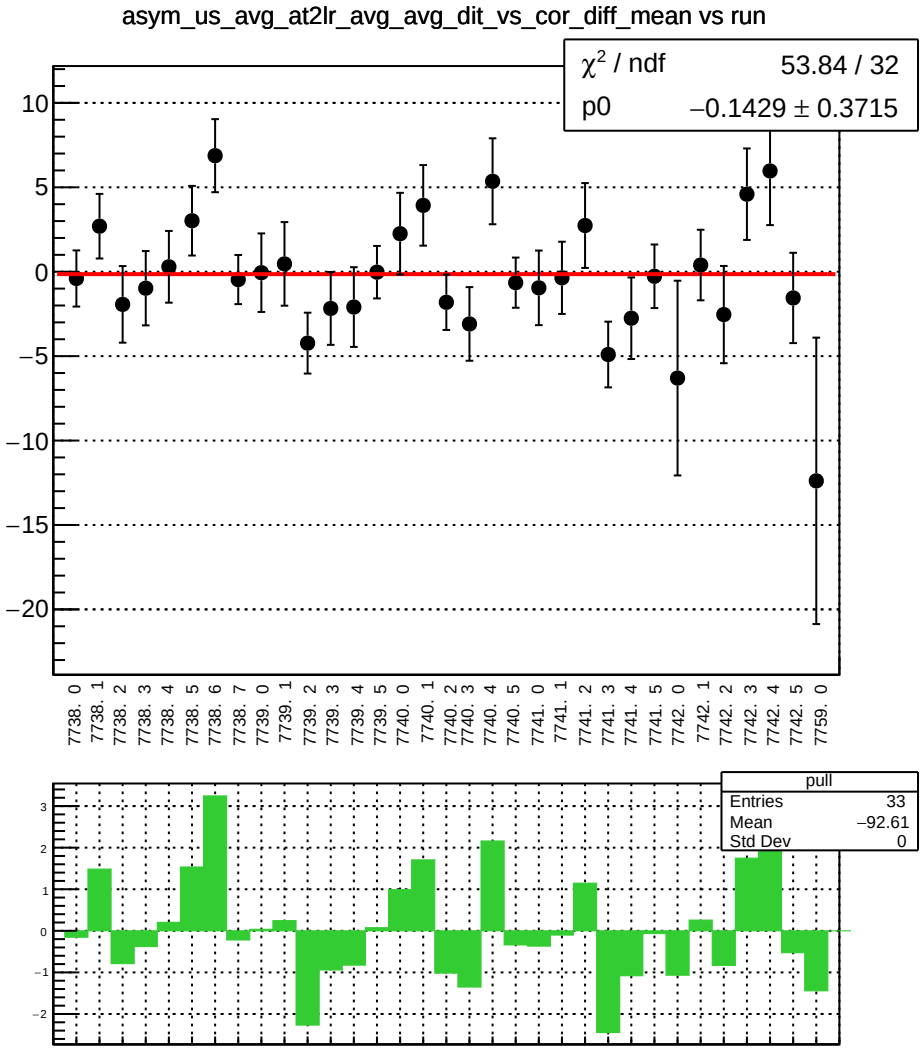

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 34.64 / 32
p0 −1012 ± 2.825e+04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −17.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

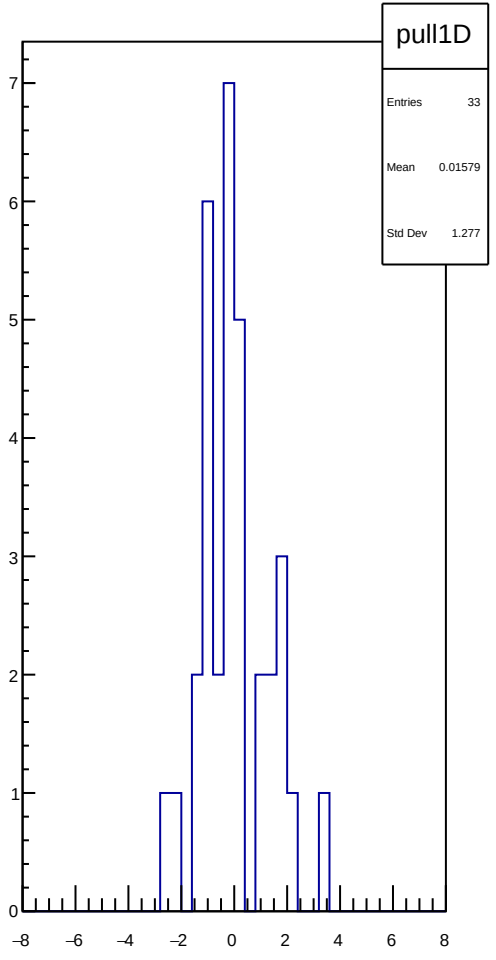

pull1D
Entries 33
Mean 0.03118
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

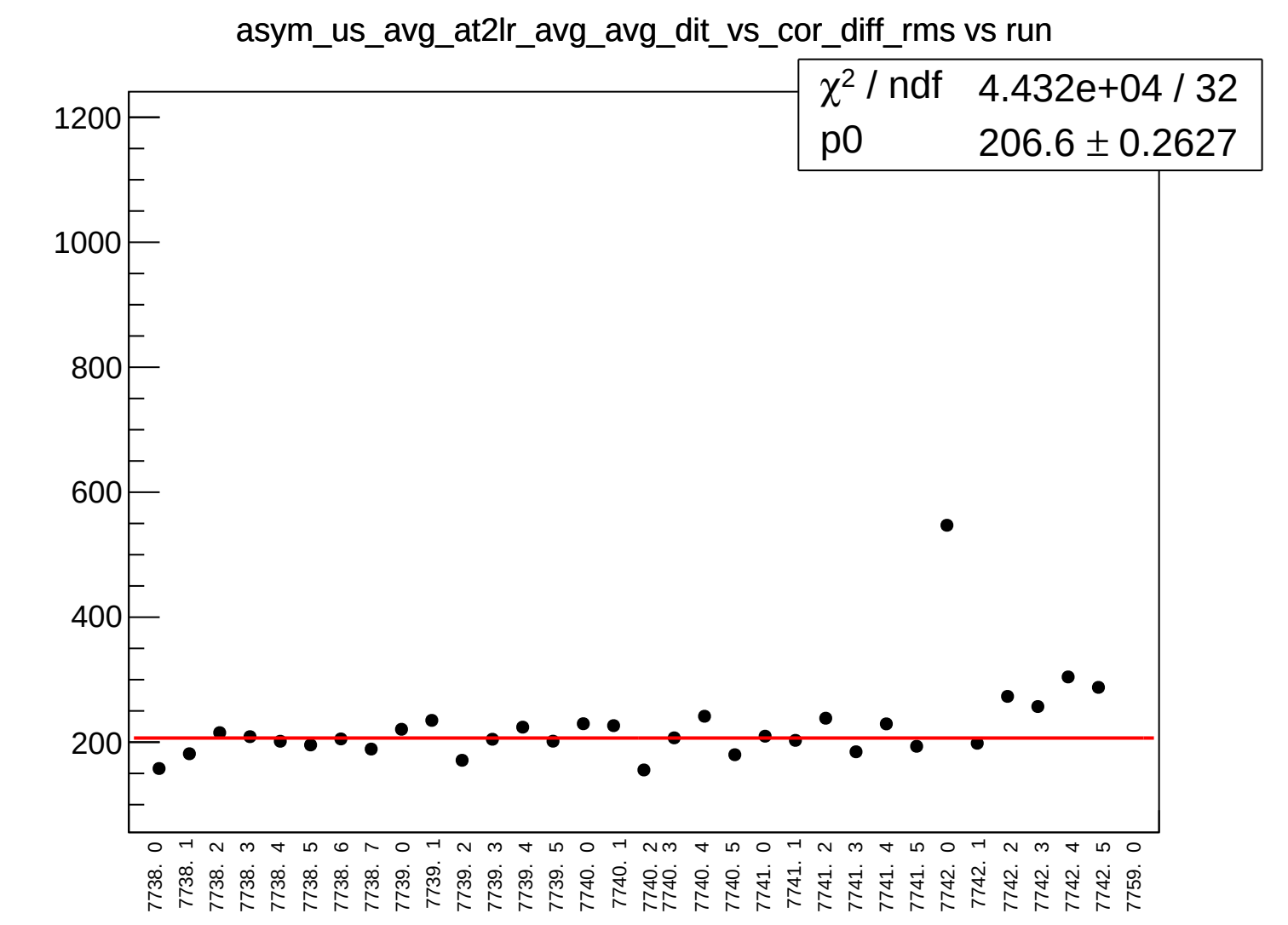

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 4308 / 32
p0 1.621e+04 ± 19.97
20000
19000
18000
17000
16000
15000
14000
13000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

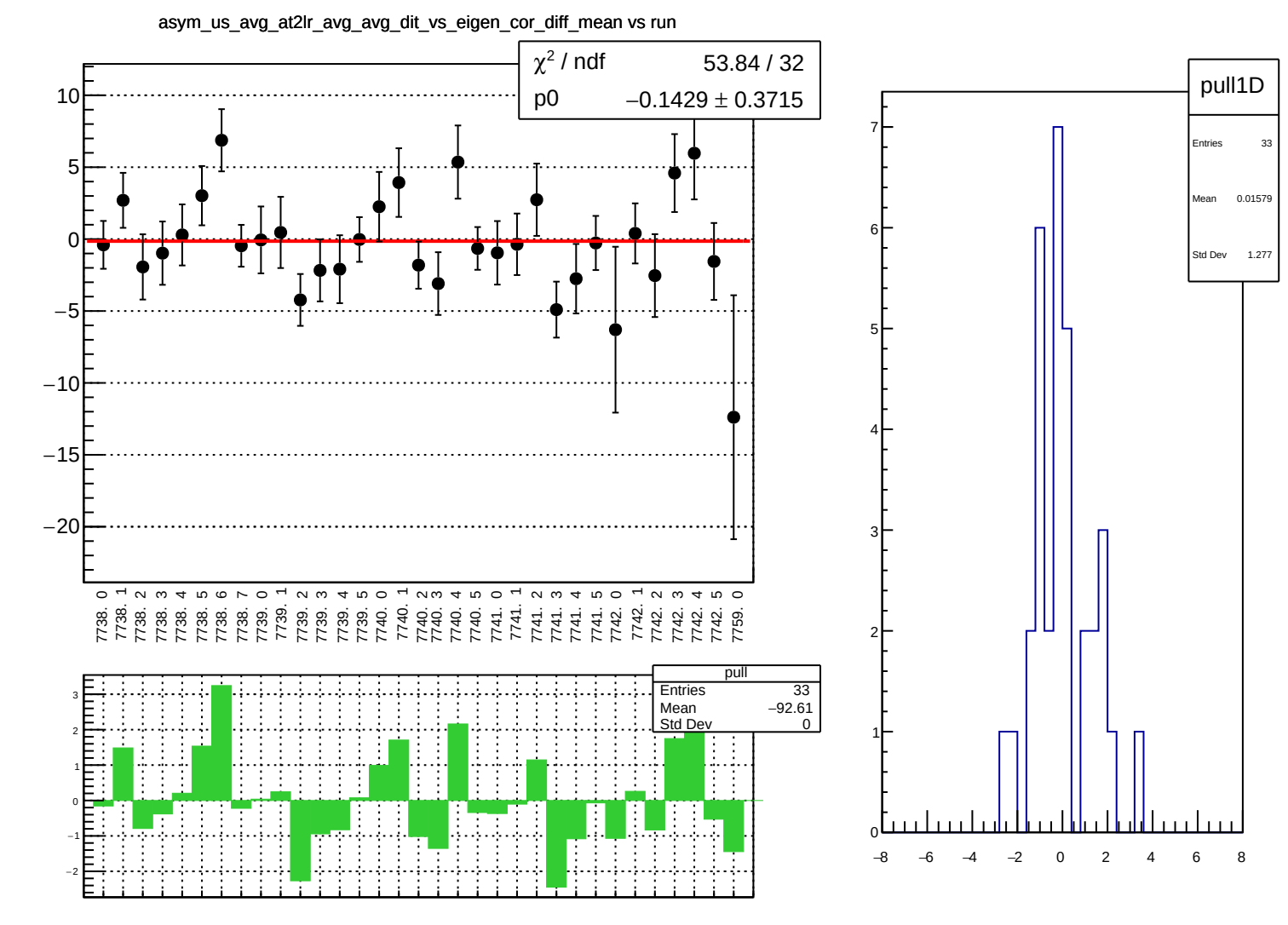

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 36.18 / 32
p0 −1.039e−12 ± 2.844e−12
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
−0.005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.369
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1652
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

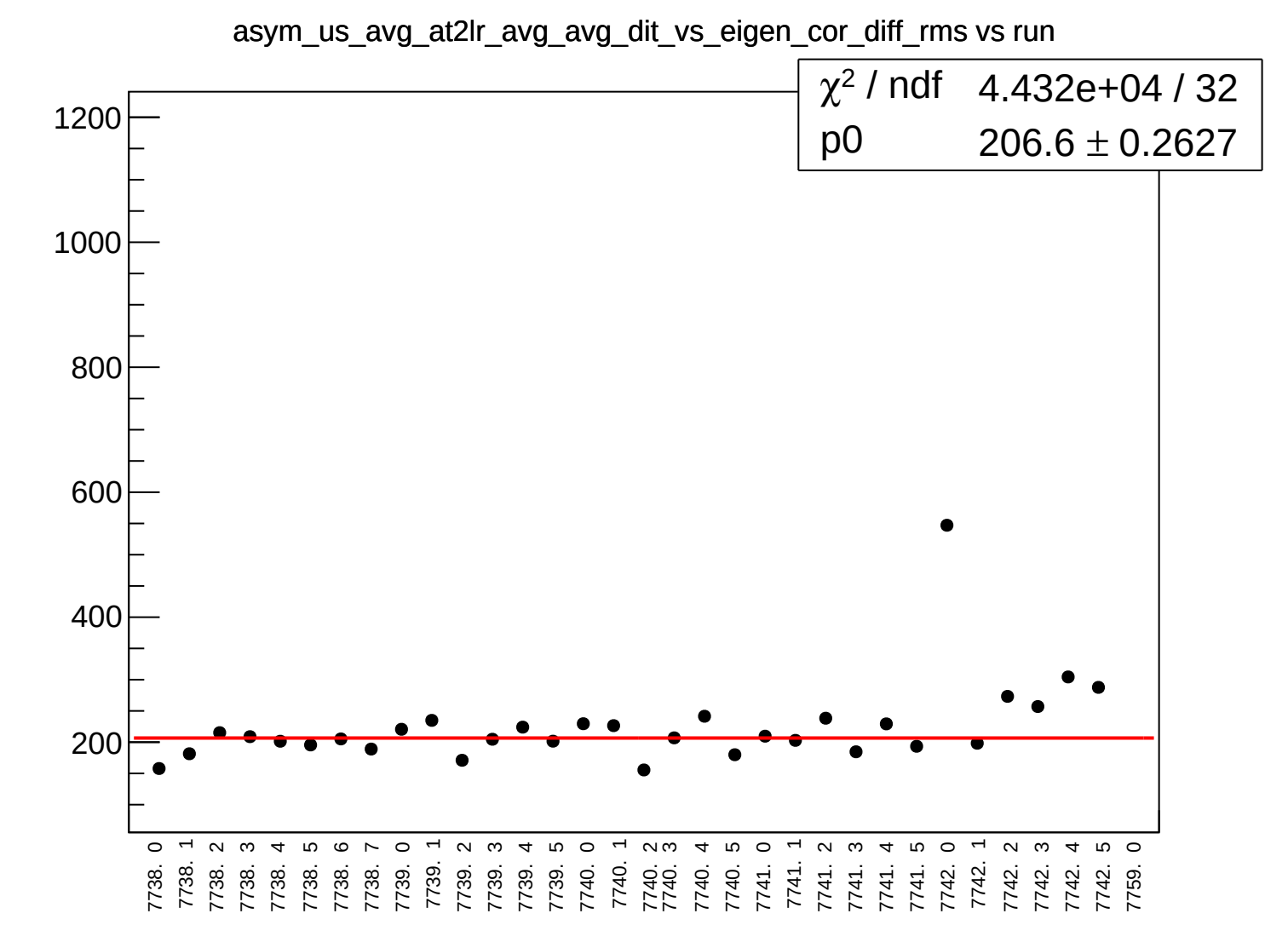

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.315e+05 / 32
p0 1.321e−09 ± 2.011e−12
1.2
1
0.8
0.6
0.4
0.2
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

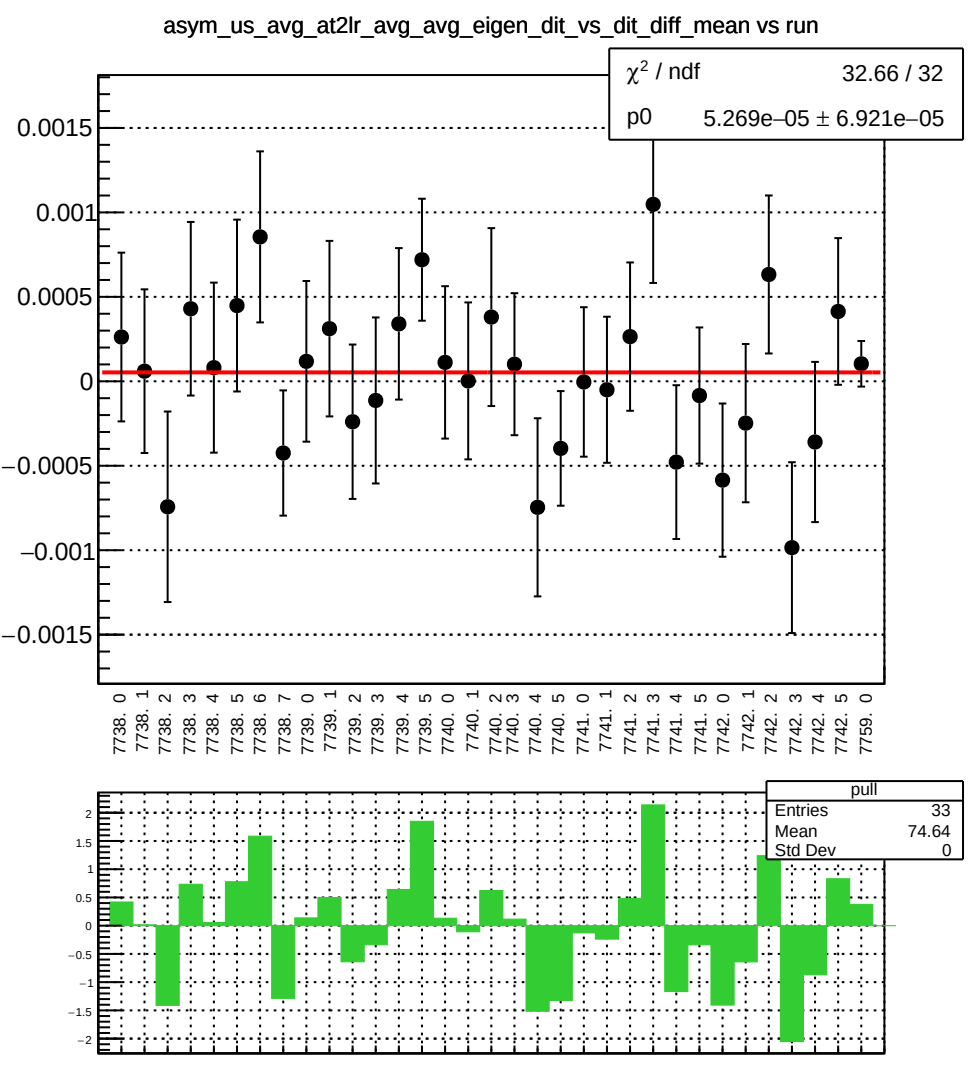

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.84 / 32
p0 −0.1429 ± 0.3715
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −92.61
Std Dev 0
3
2
1
0
−1
−2

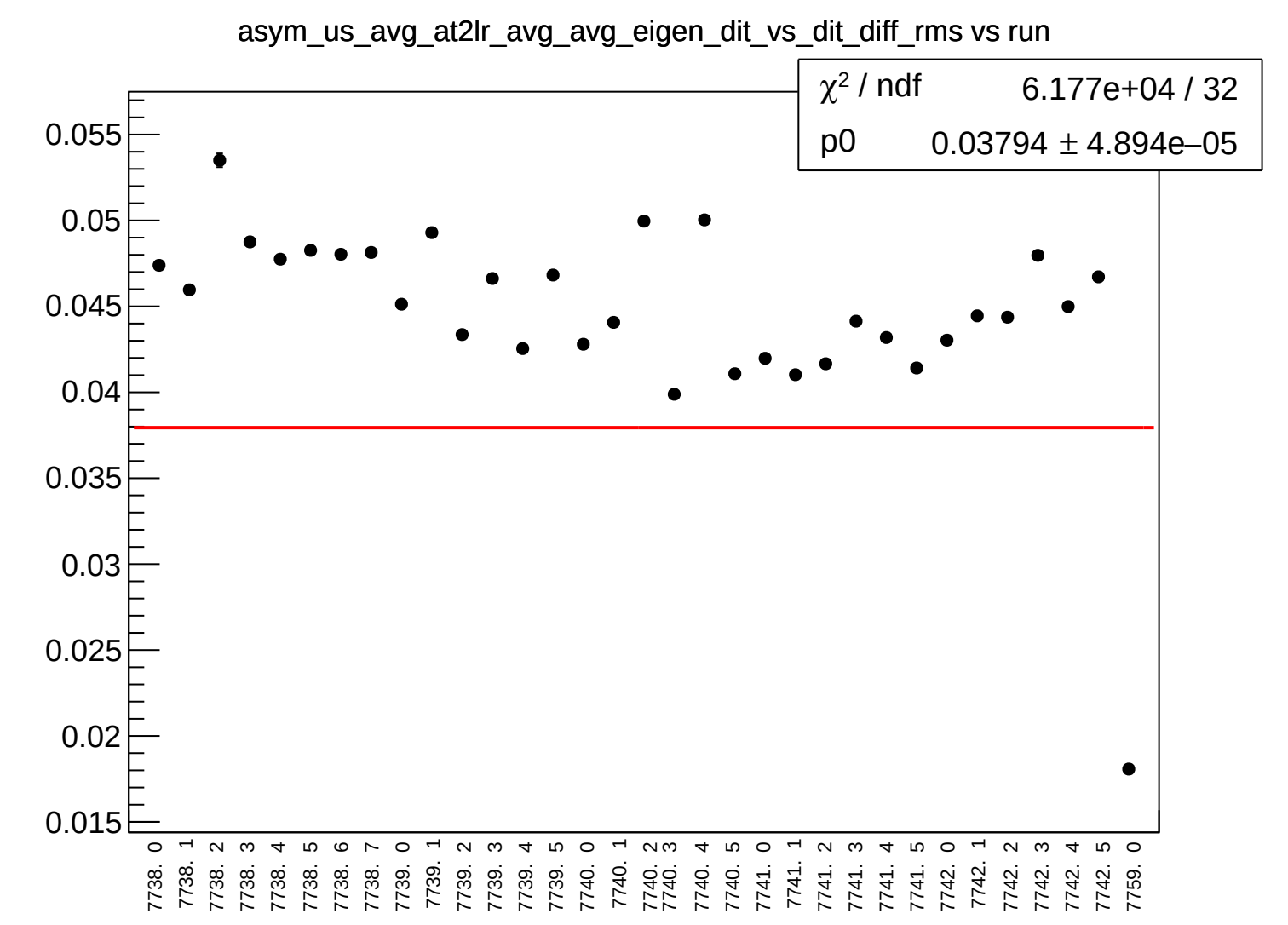

pull1D
Entries 33
Mean 0.01579
Std Dev 1.277
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

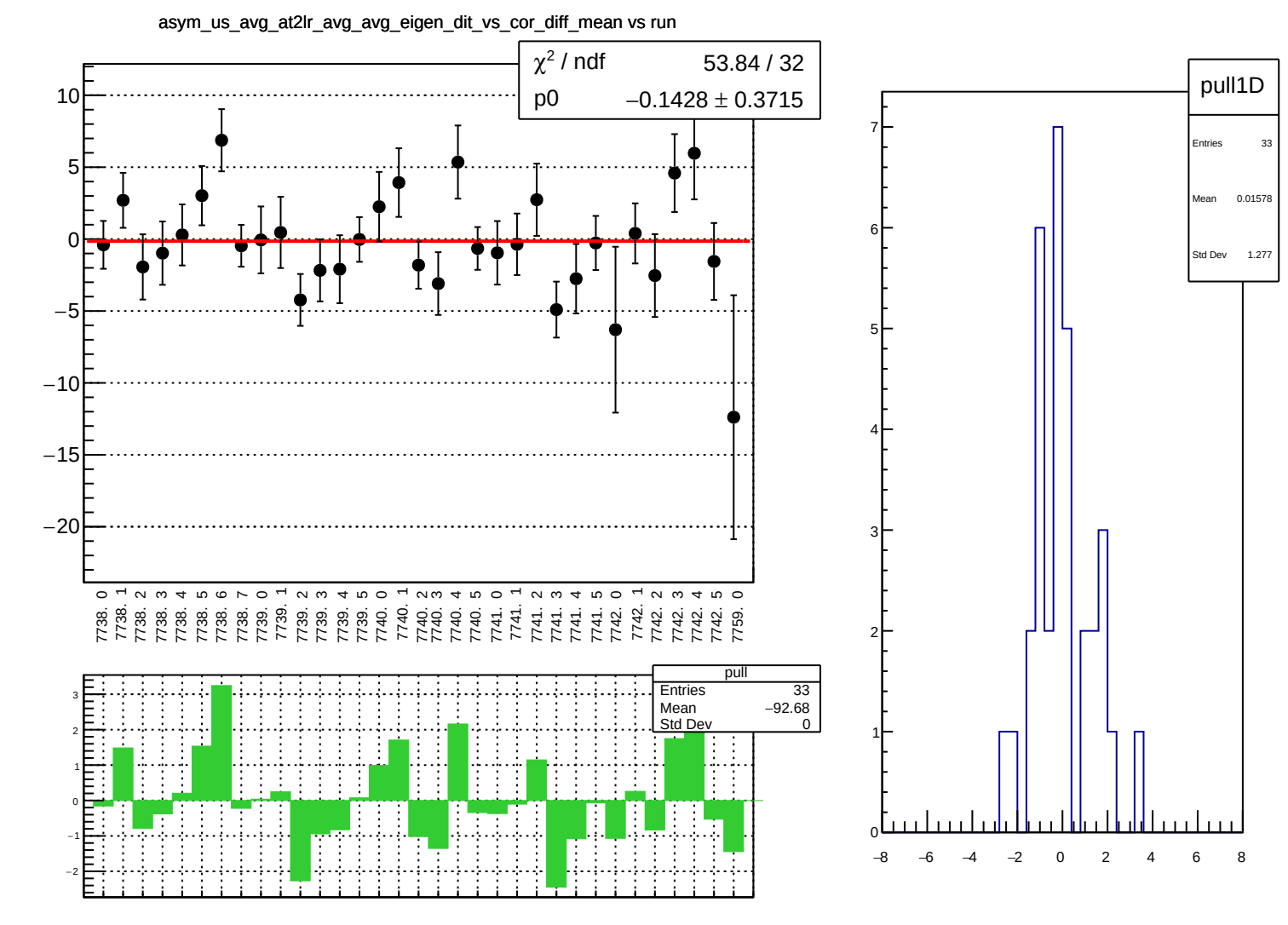

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.432e+04 / 32
p0 206.6 ± 0.2627
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

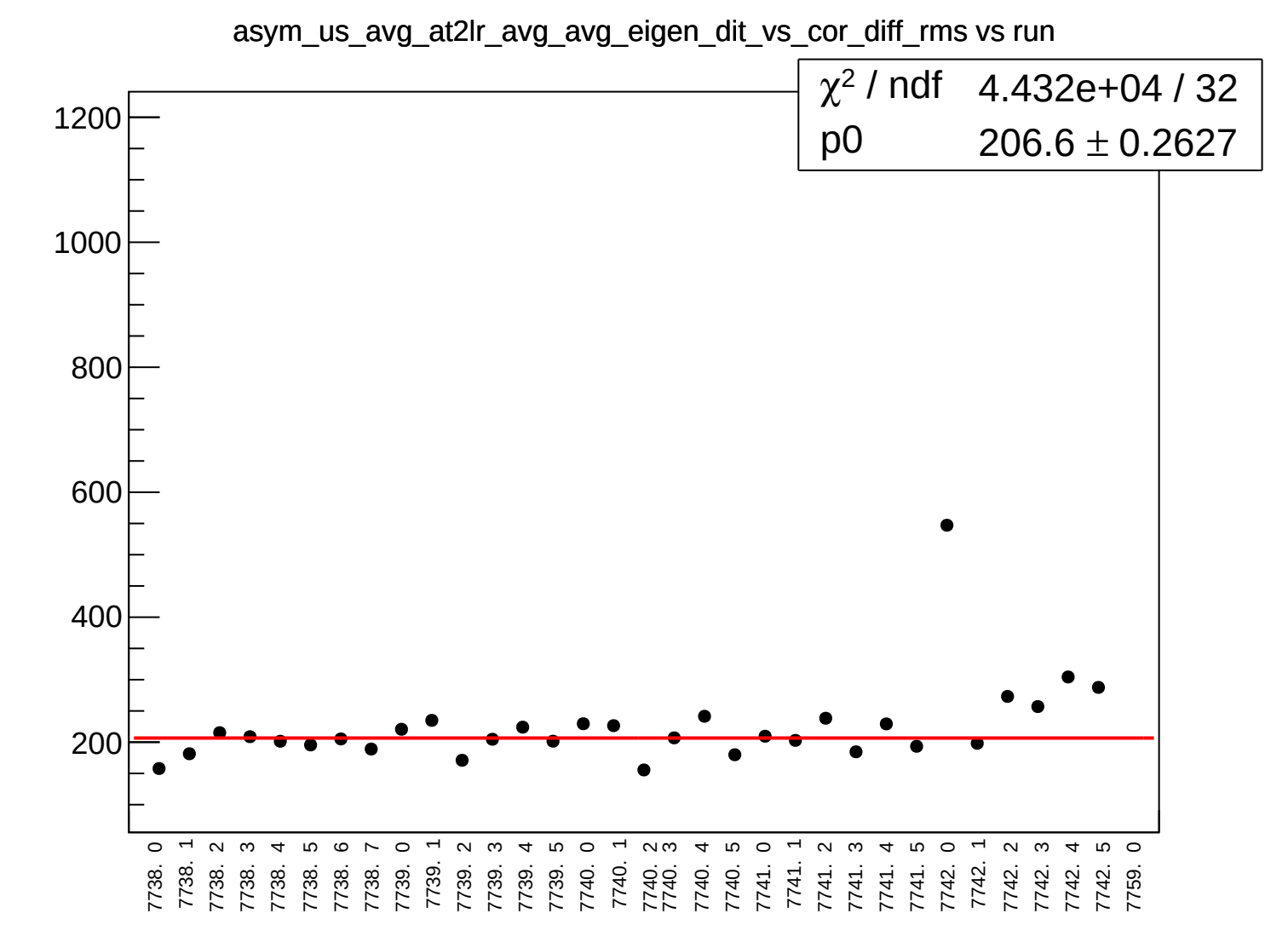

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.84 / 32
p0 −0.1429 ± 0.3715
pull
Entries 33
Mean −92.61
Std Dev 0
pull1D
Entries 33
Mean 0.01579
Std Dev 1.277

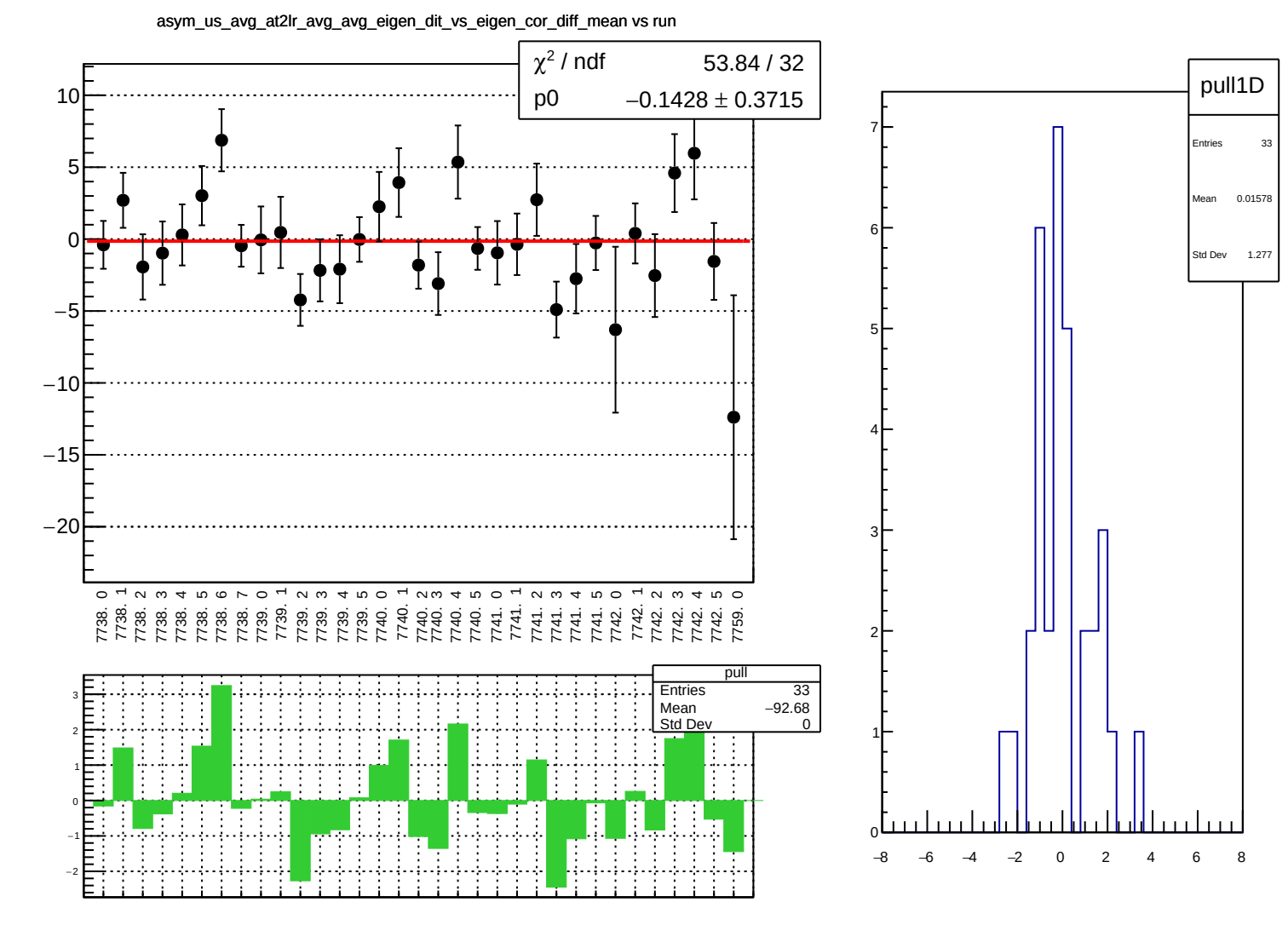

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.432e+04 / 32
p0 206.6 ± 0.2627
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

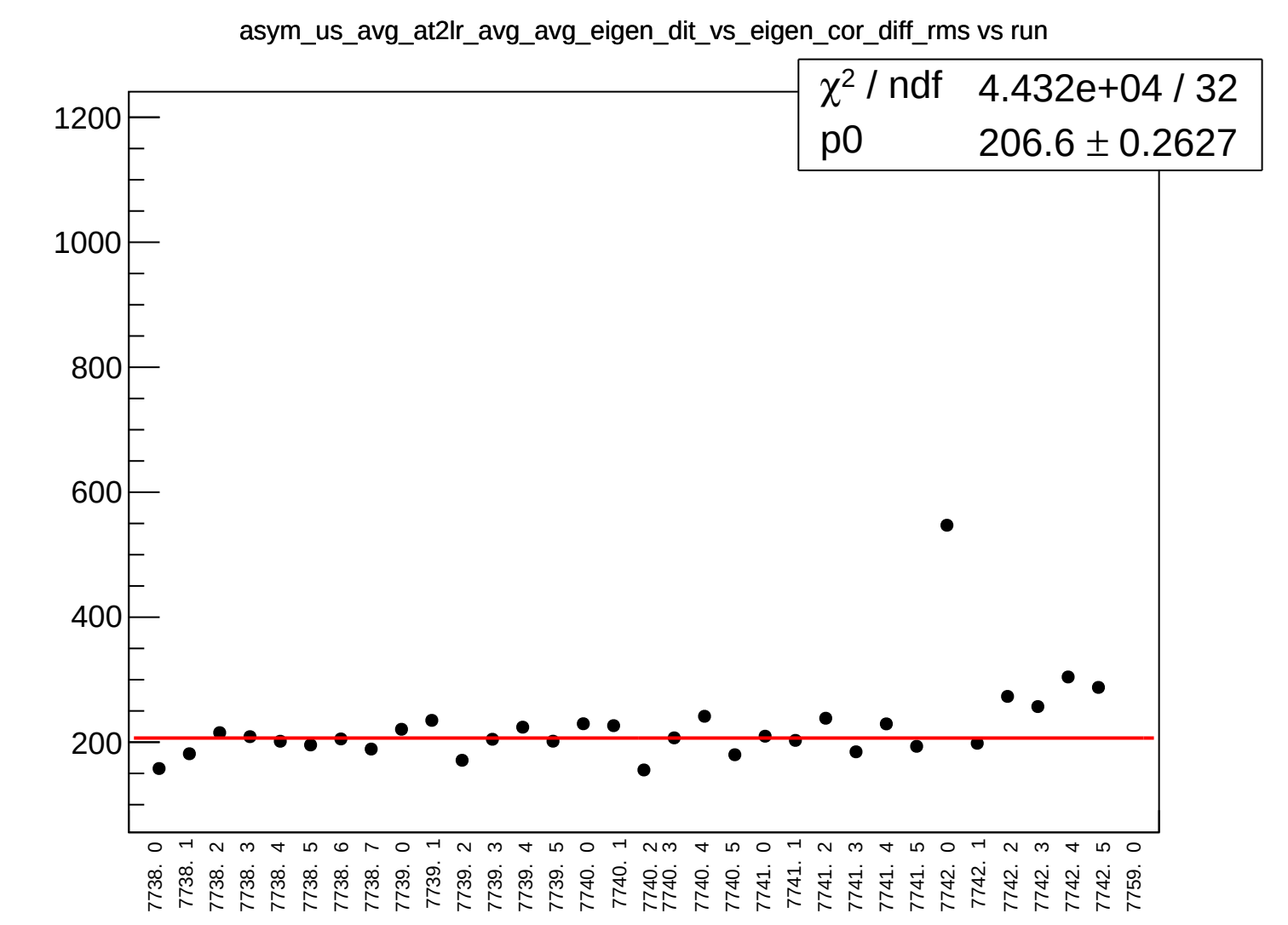

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 32.66 / 32
p0 5.269e−05 ± 6.921e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 74.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02461
Std Dev 0.9945
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

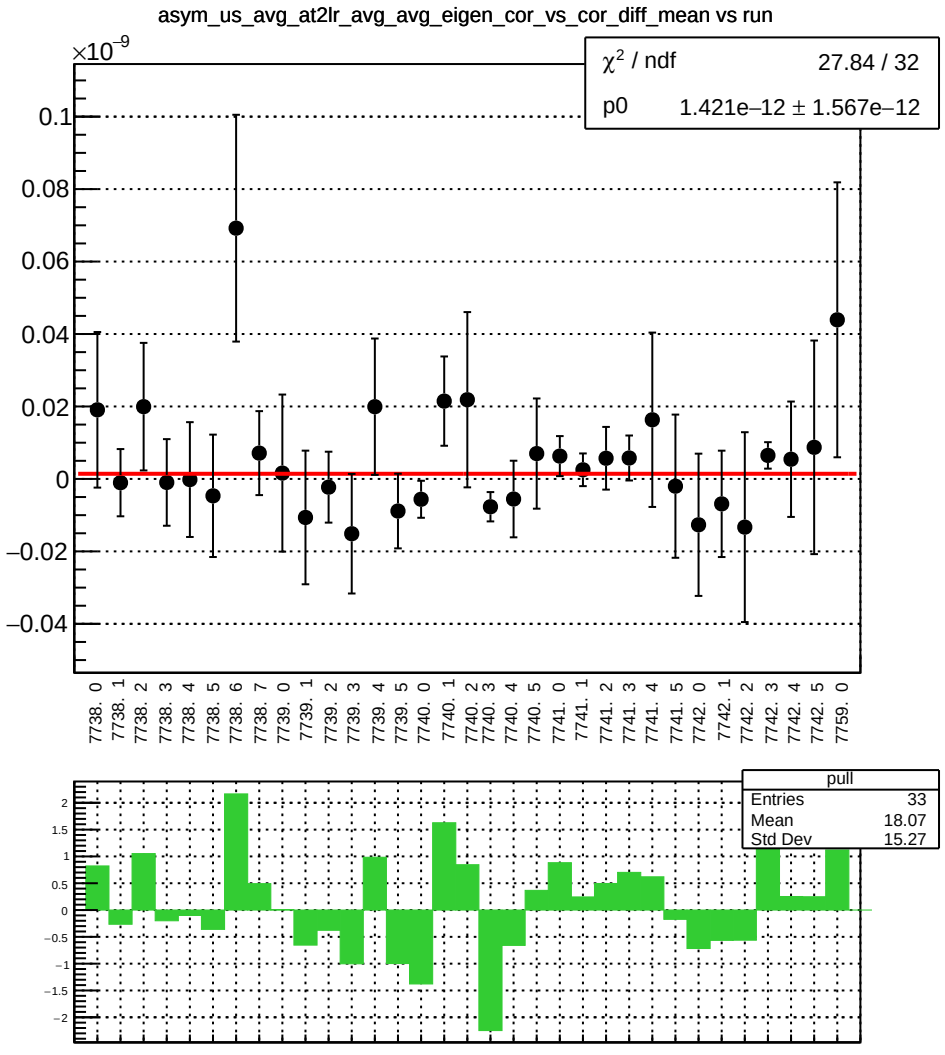

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.177e+04 / 32
p0 0.03794 ± 4.894e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

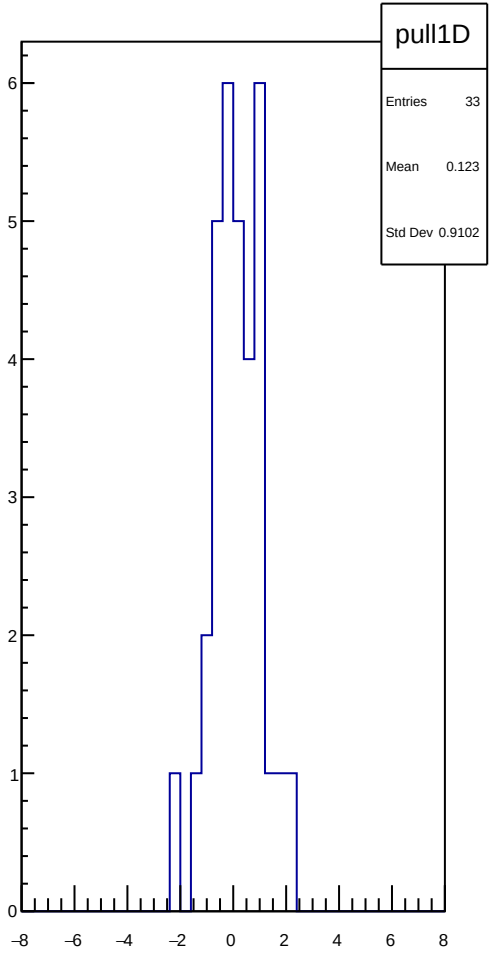

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.84 / 32
p0 −0.1428 ± 0.3715
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −92.68
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.01578
Std Dev 1.277
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

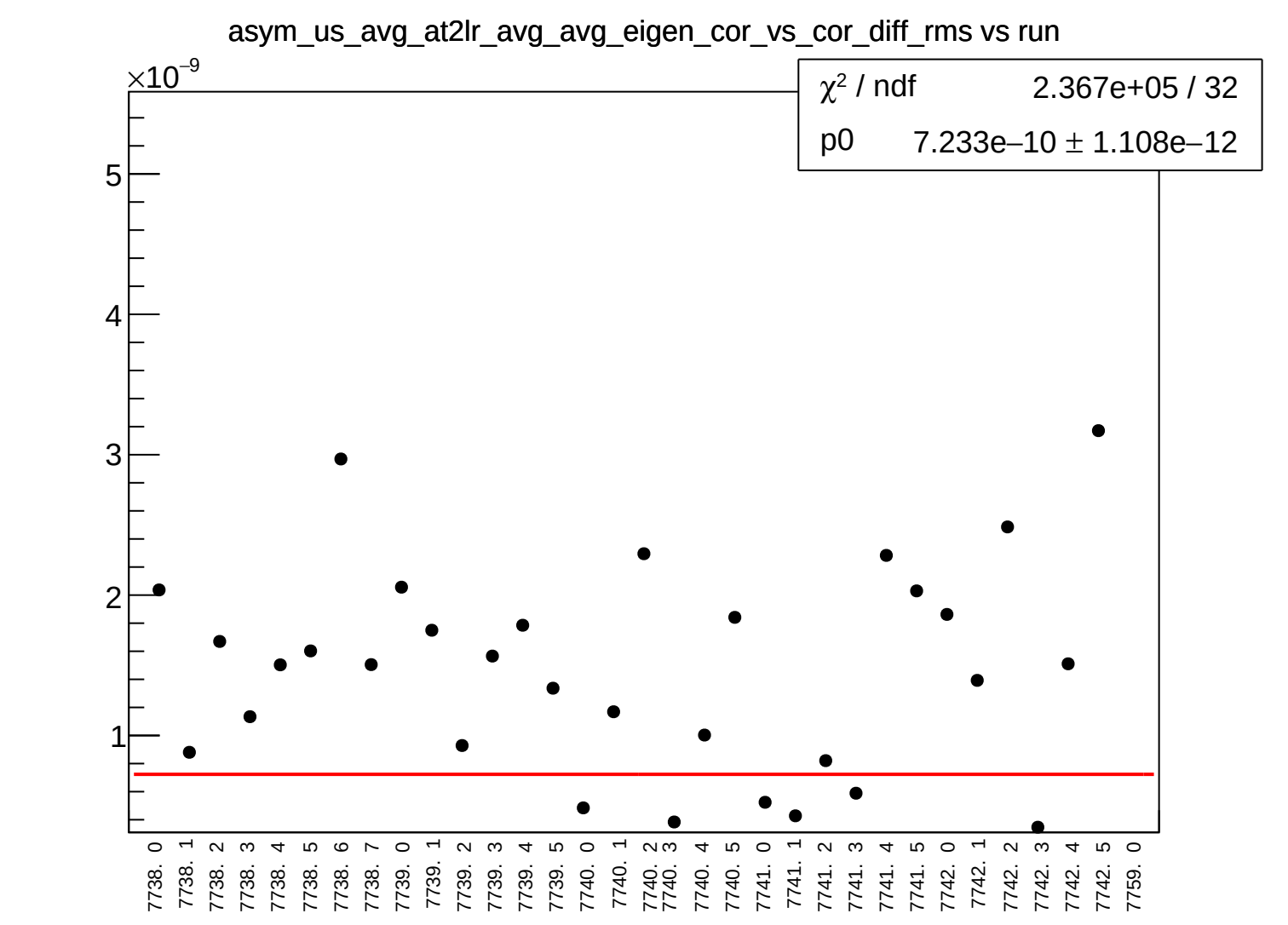

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.432e+04 / 32
p0 206.6 ± 0.2627
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

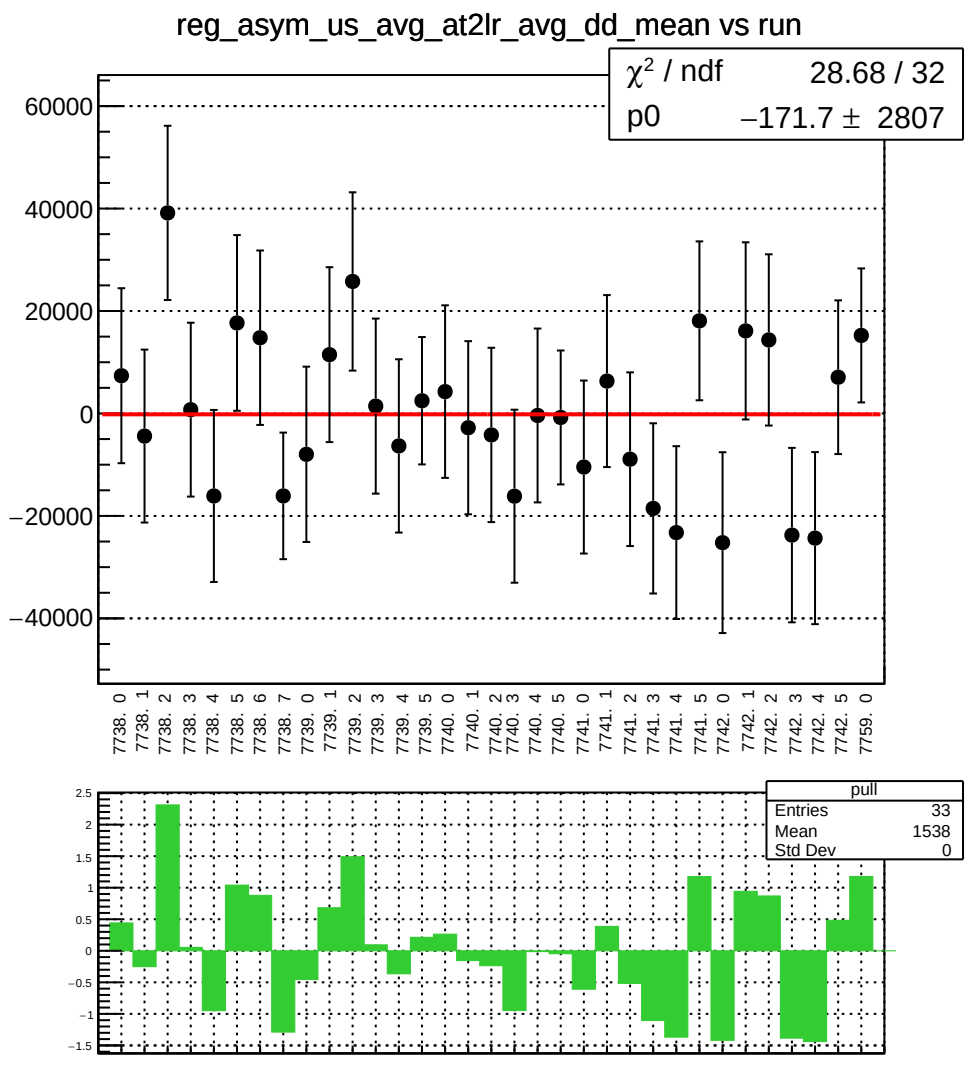

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.84 / 32
p0 −0.1428 ± 0.3715
pull
Entries 33
Mean −92.68
Std Dev 0
pull1D
Entries 33
Mean 0.01578
Std Dev 1.277

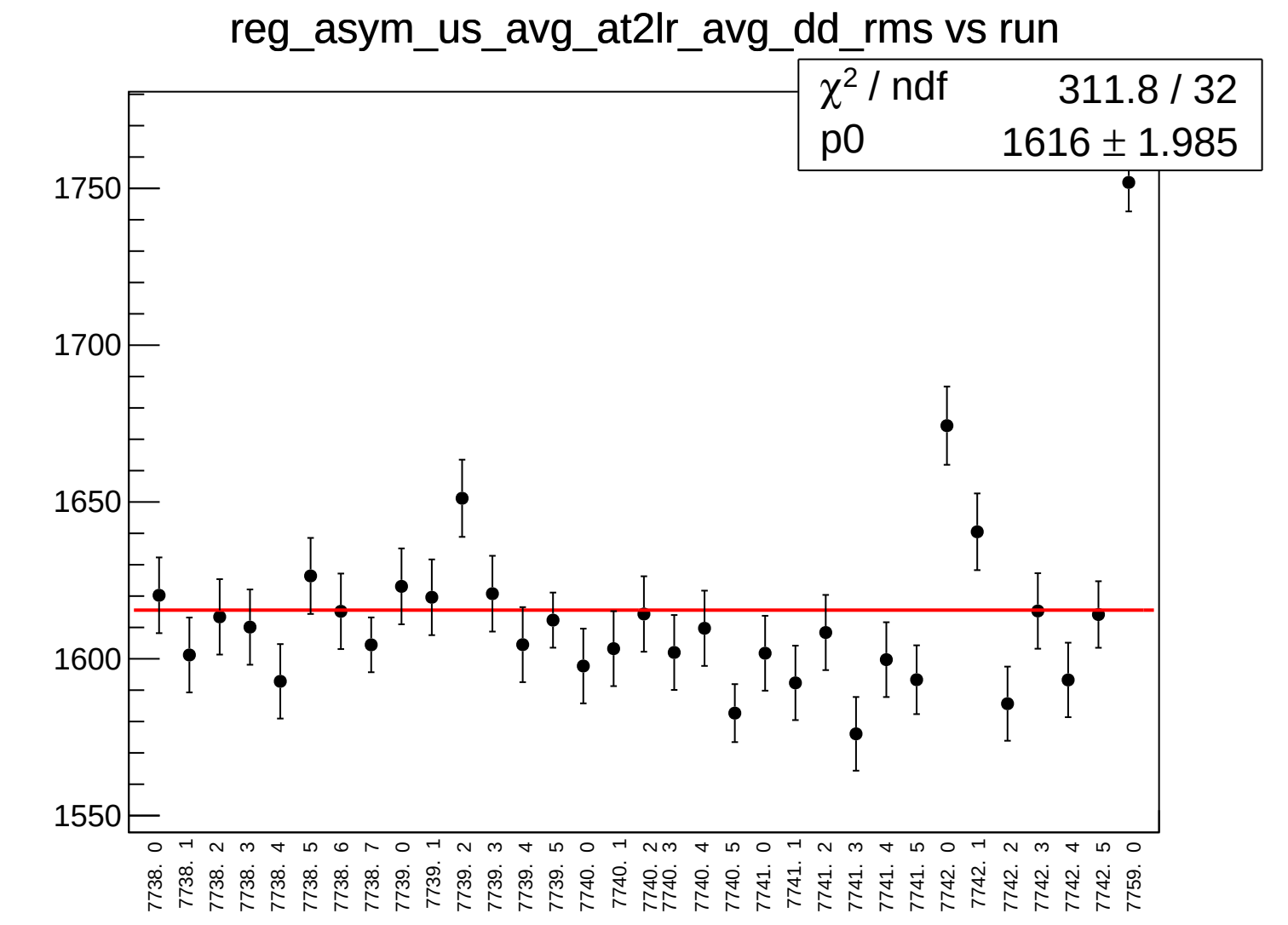

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.432e+04 / 32
p0 206.6 ± 0.2627
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

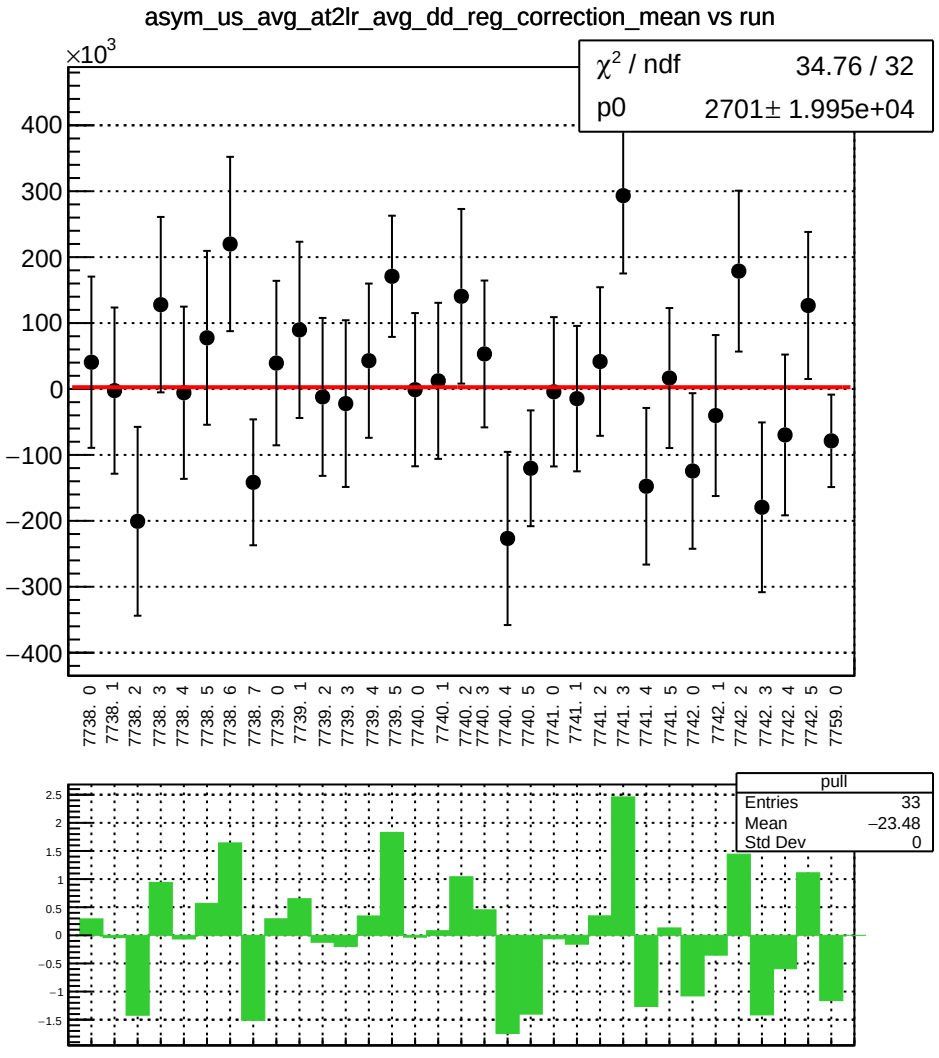

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 27.84 / 32
p0 1.421e−12 ± 1.567e−12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.07
Std Dev 15.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

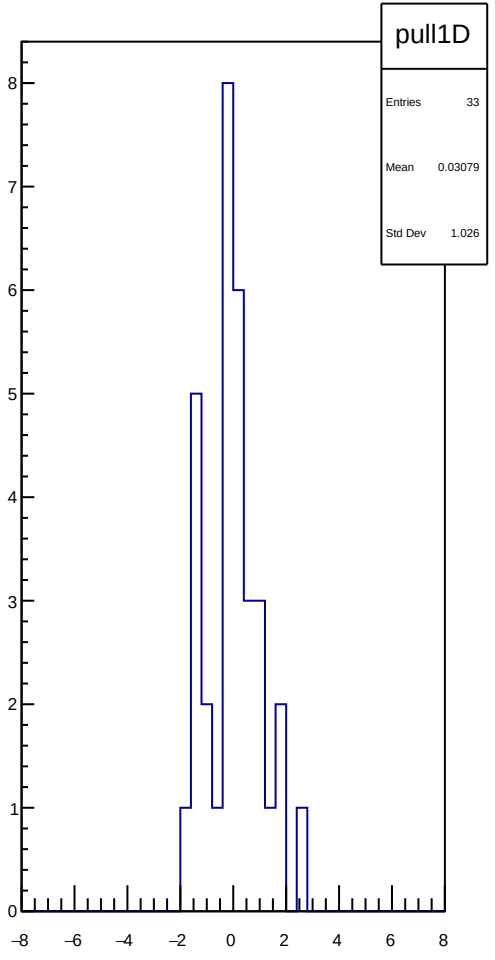

pull1D
Entries 33
Mean 0.123
Std Dev 0.9102
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

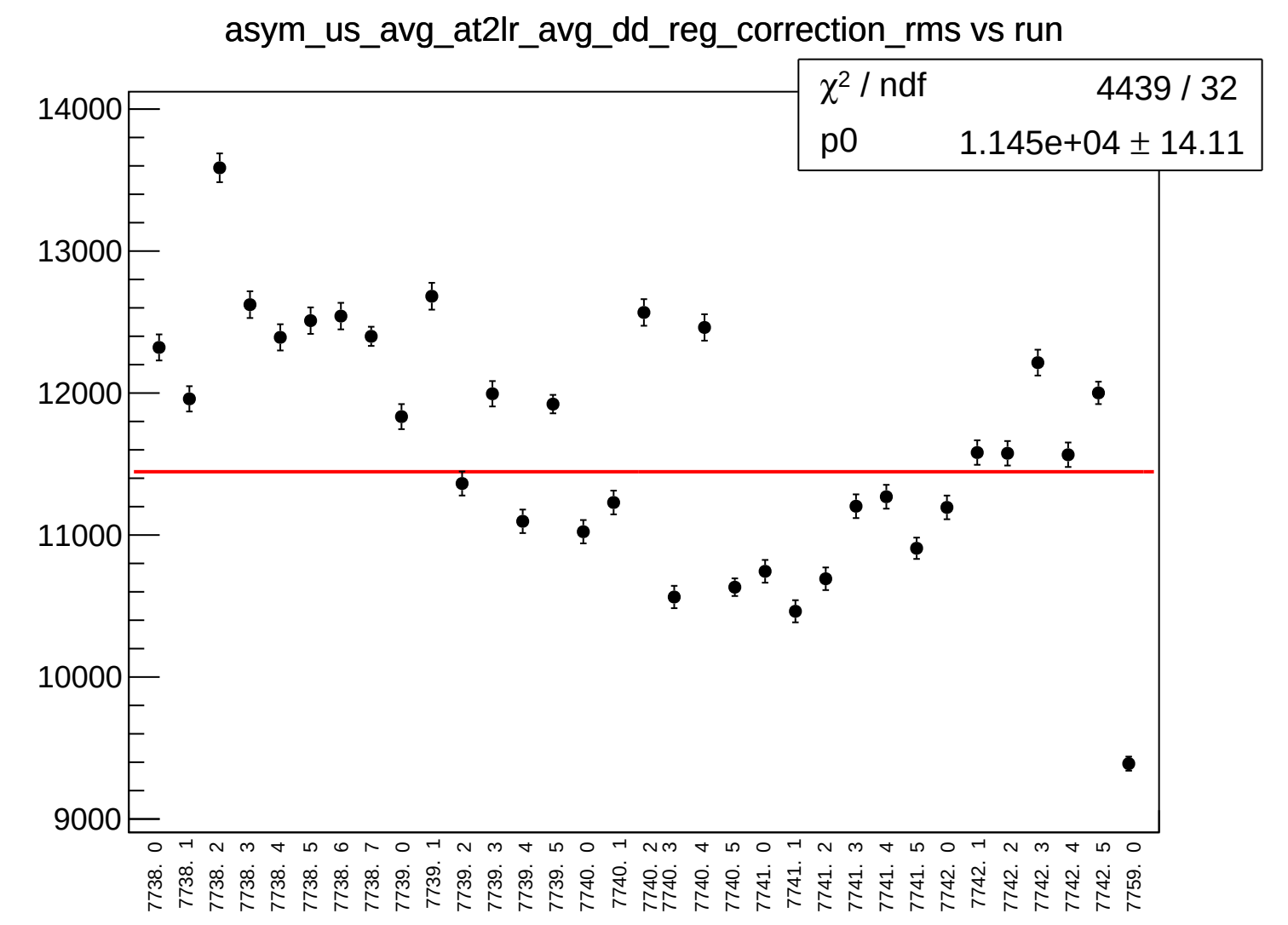

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.367e+05 / 32
p0 7.233e−10 ± 1.108e−12
5
4
3
2
1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

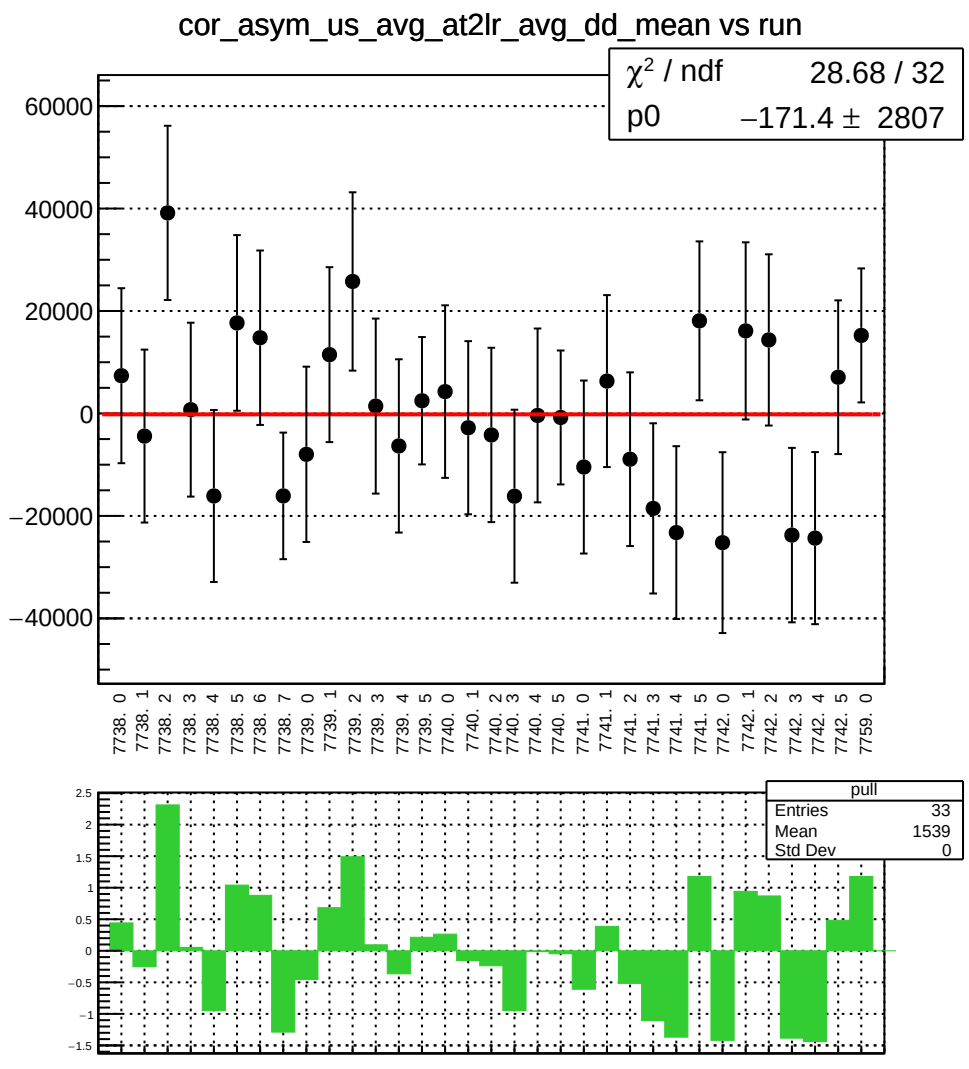

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 28.68 / 32
p0 −171.7 ± 2807
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1538
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.001234
Std Dev 0.9323
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

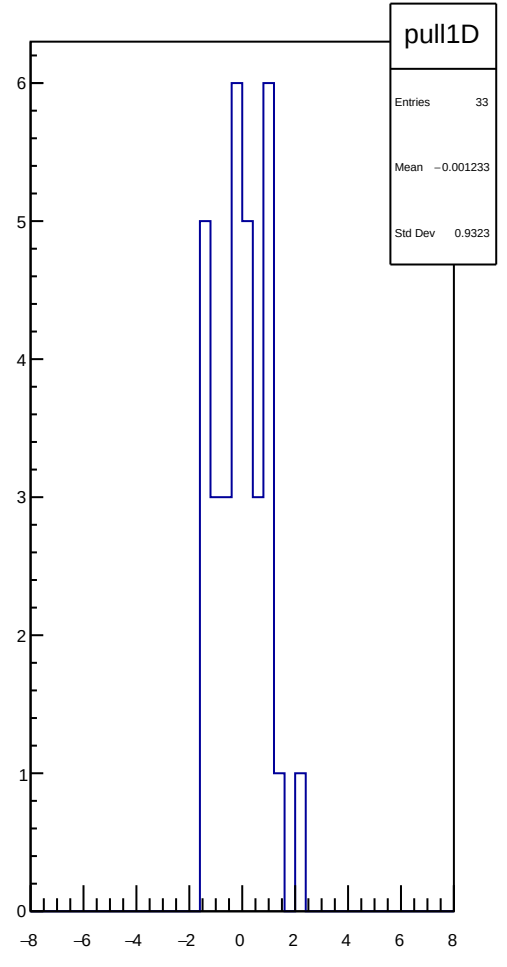

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 311.8 / 32
p0 1616 ± 1.985
1750
1700
1650
1600
1550
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

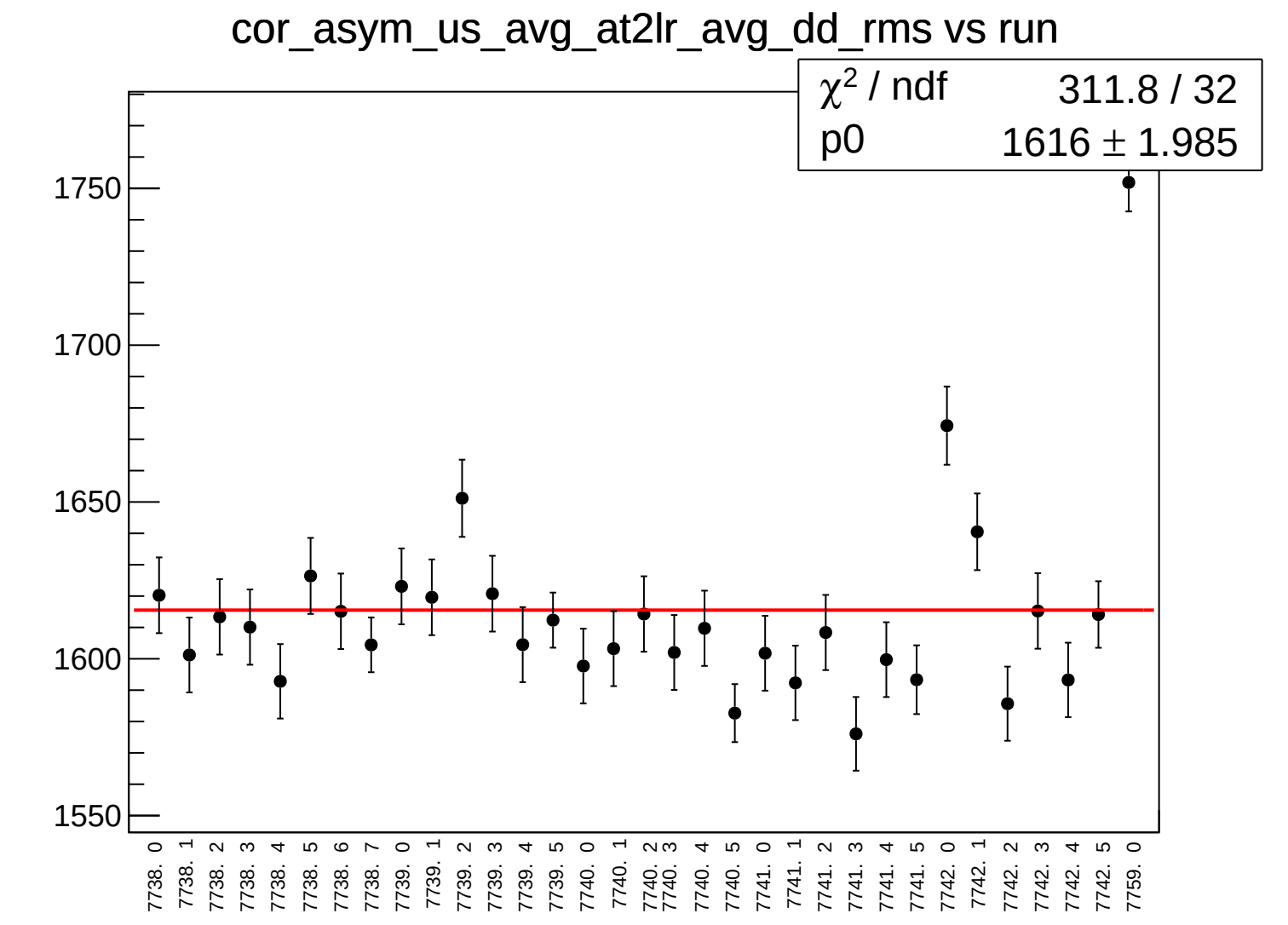

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.76 / 32
p0 2701± 1.995e+04
400
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −23.48
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

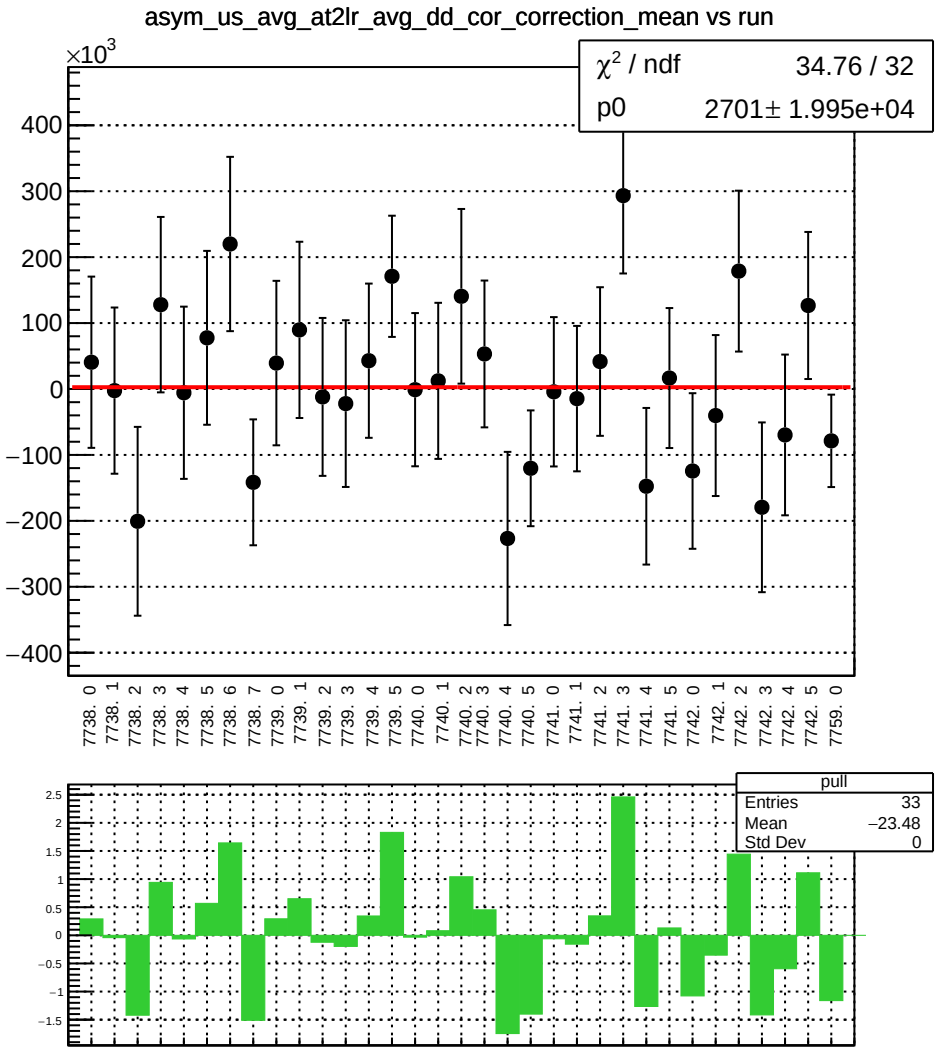

pull1D
Entries 33
Mean 0.03079
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

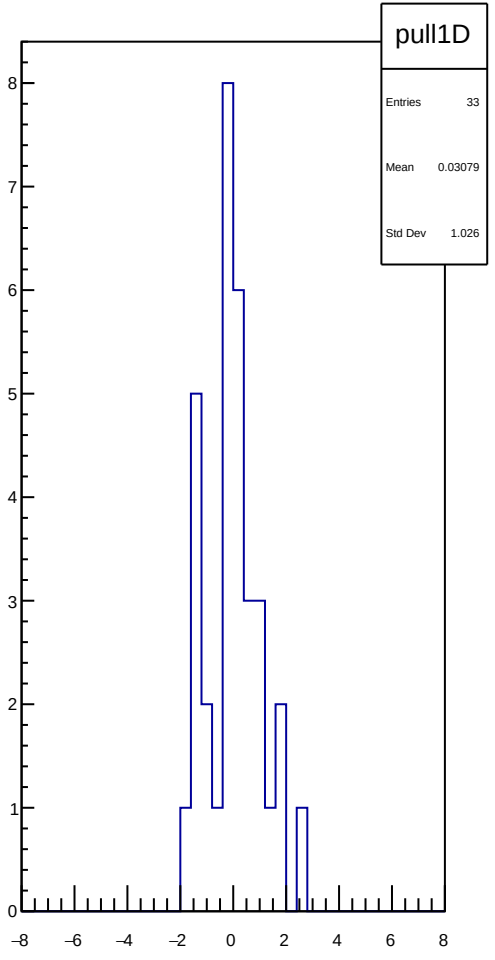

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 4439 / 32
p0 1.145e+04 ± 14.11
14000
13000
12000
11000
10000
9000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

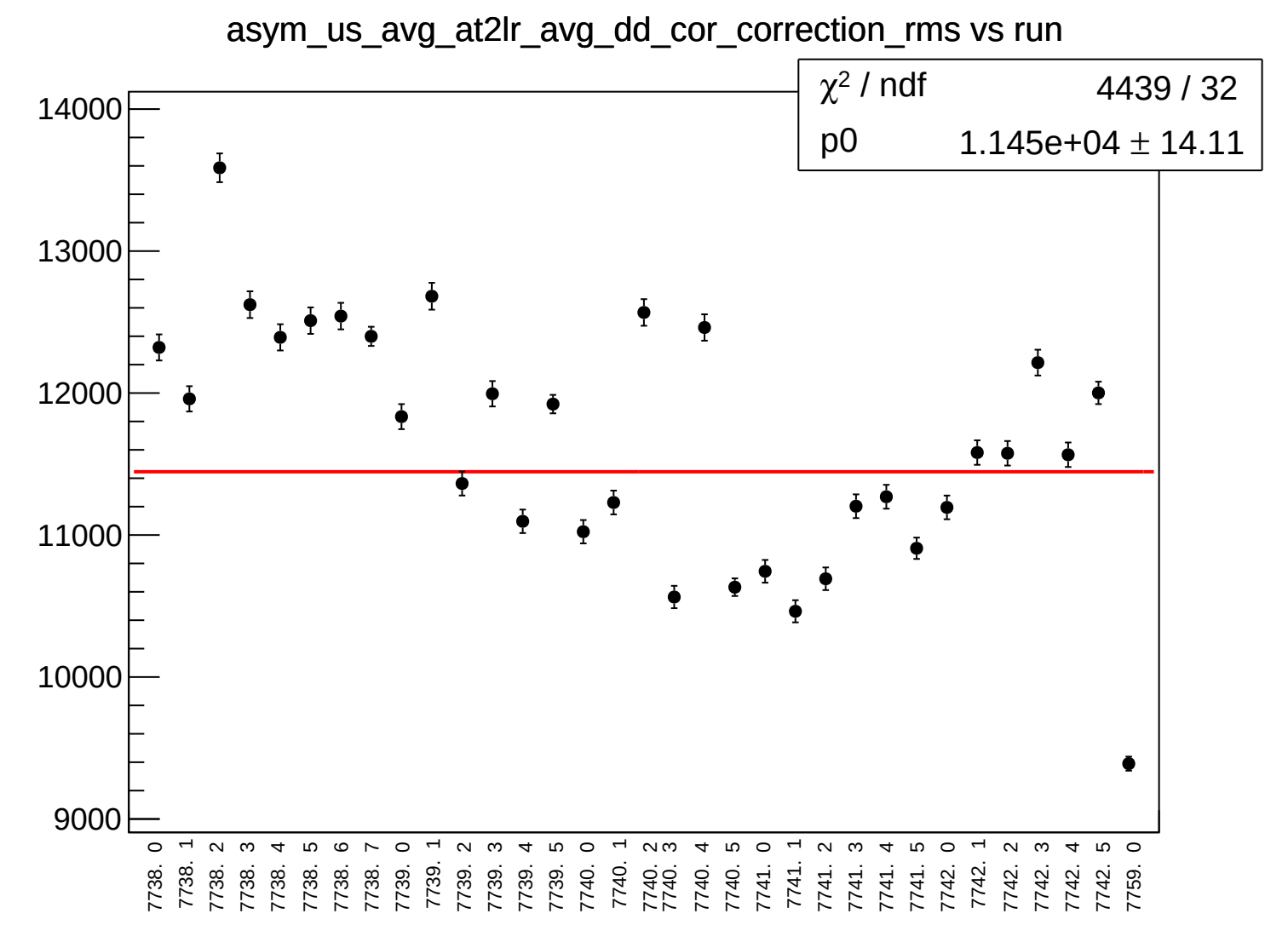

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 28.68 / 32
p0 −171.4 ± 2807
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1539
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

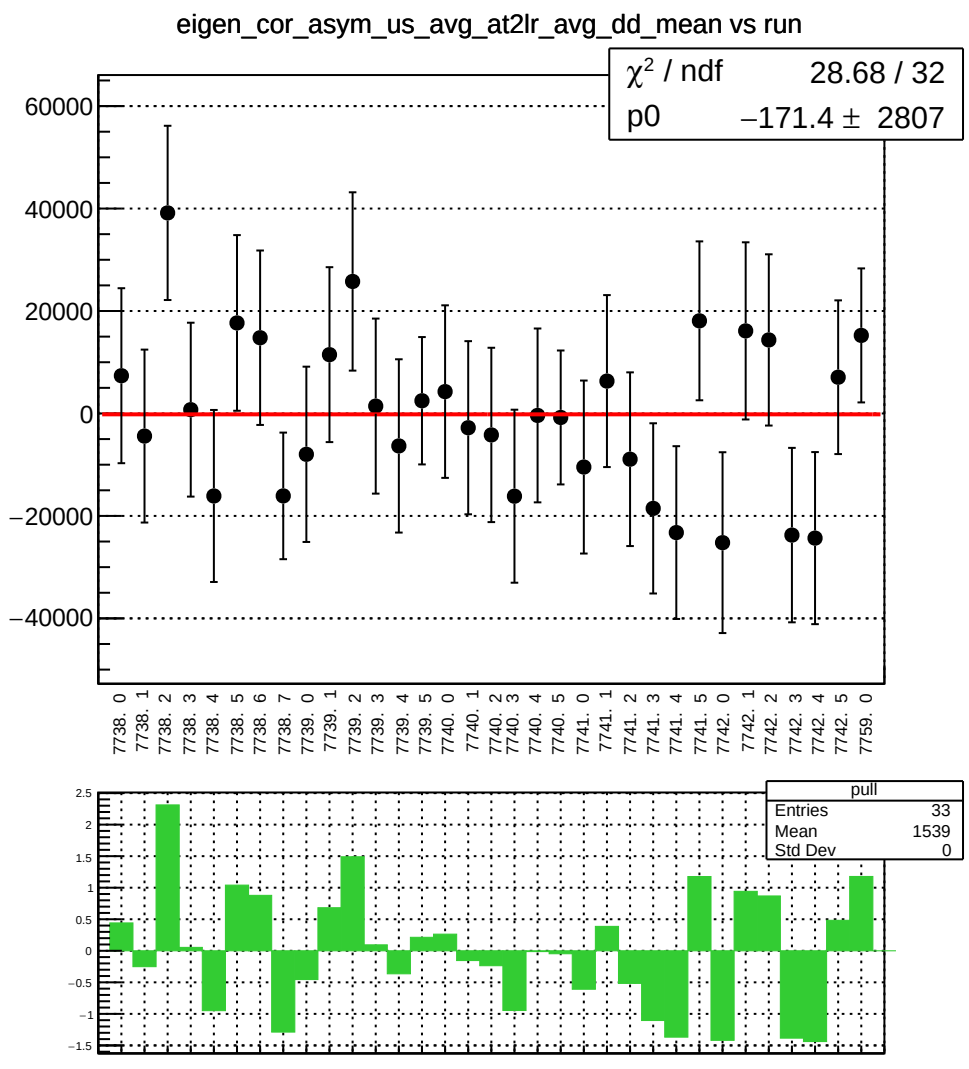

pull1D
Entries 33
Mean −0.001233
Std Dev 0.9323
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

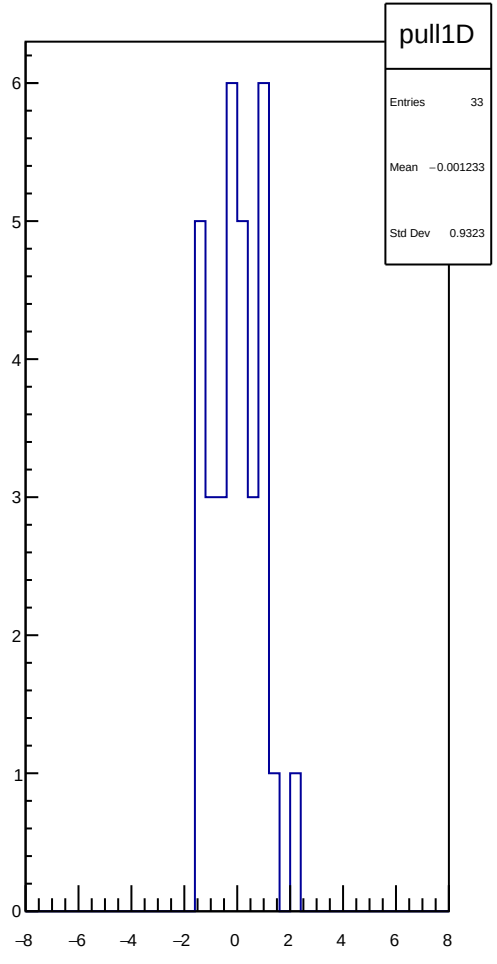

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 311.8 / 32
p0 1616 ± 1.985
1750
1700
1650
1600
1550
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

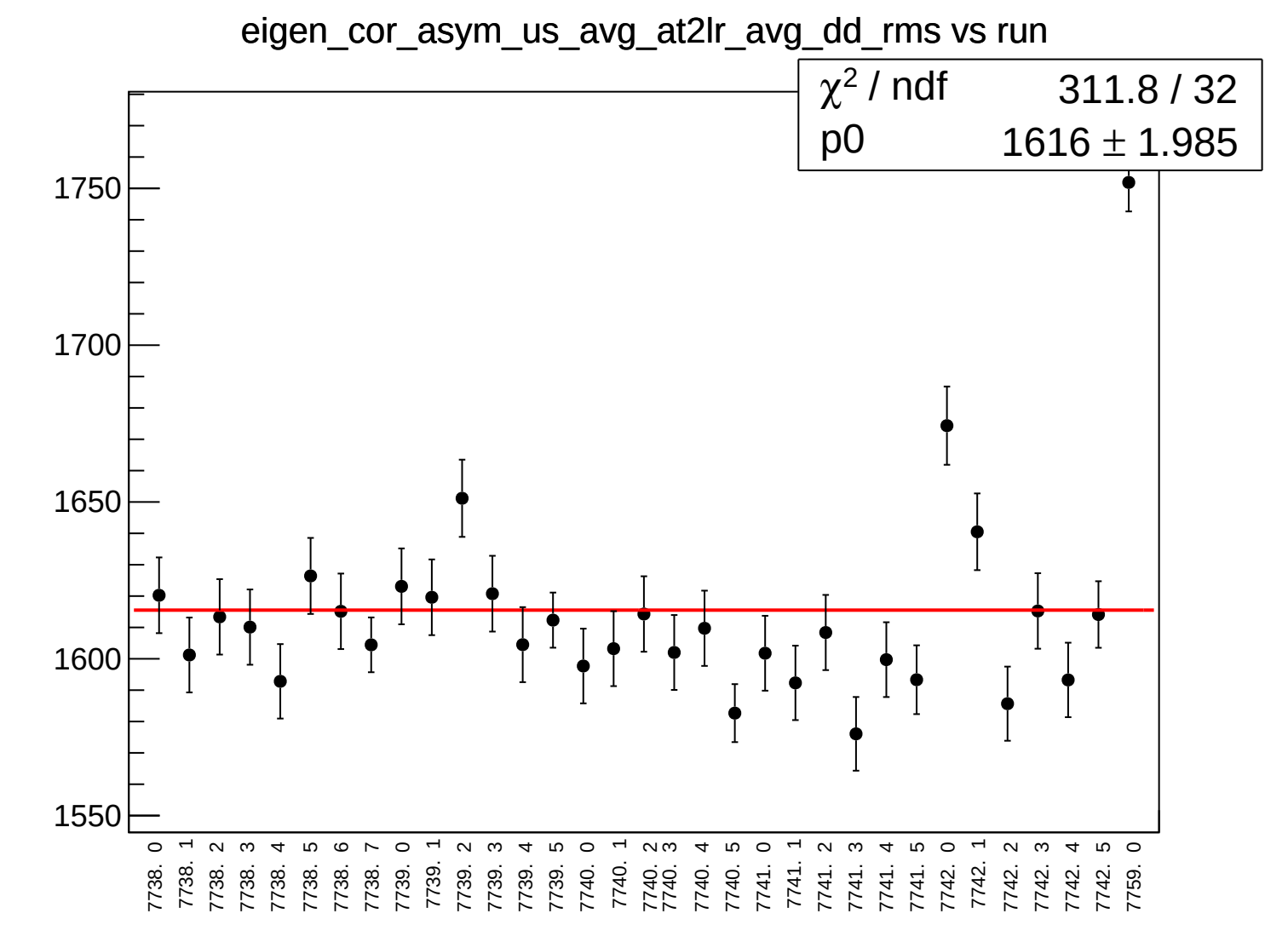

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.76 / 32
p0 2701± 1.995e+04
pull
Entries 33
Mean −23.48
Std Dev 0

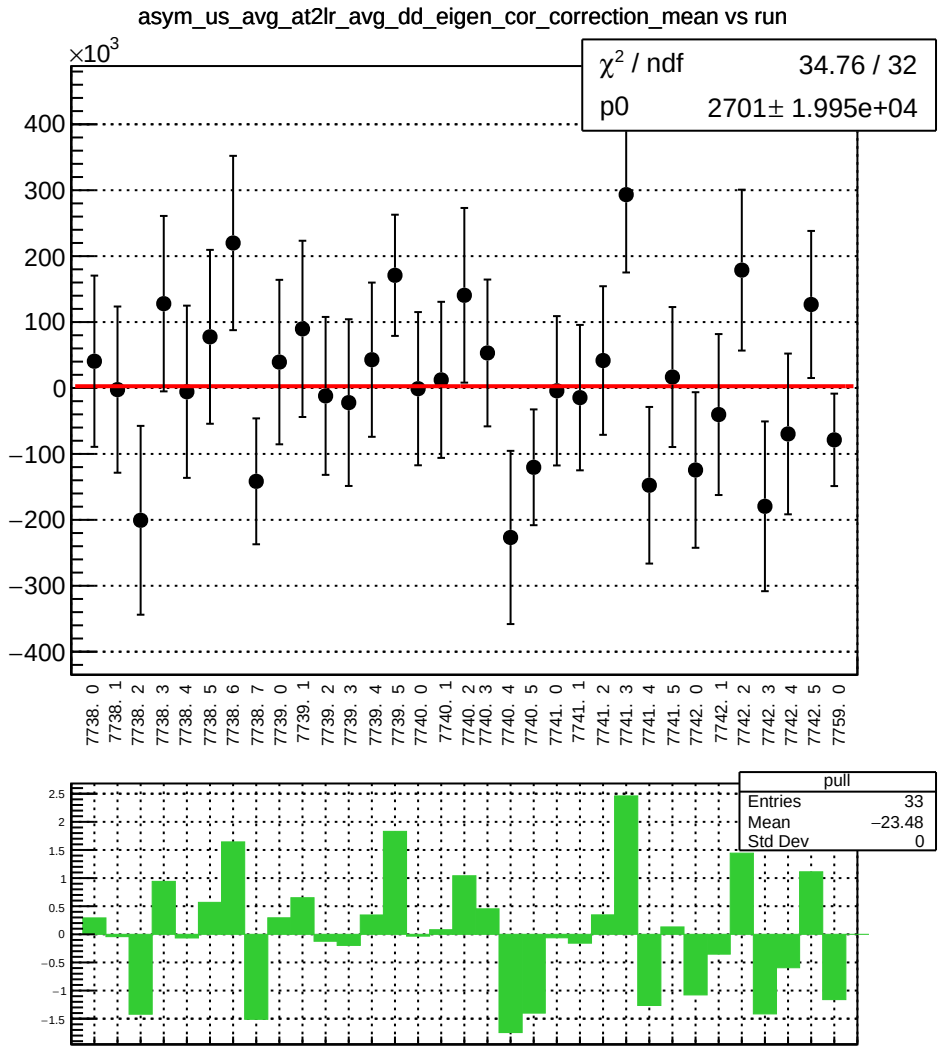

pull1D
Entries 33
Mean 0.03079
Std Dev 1.026

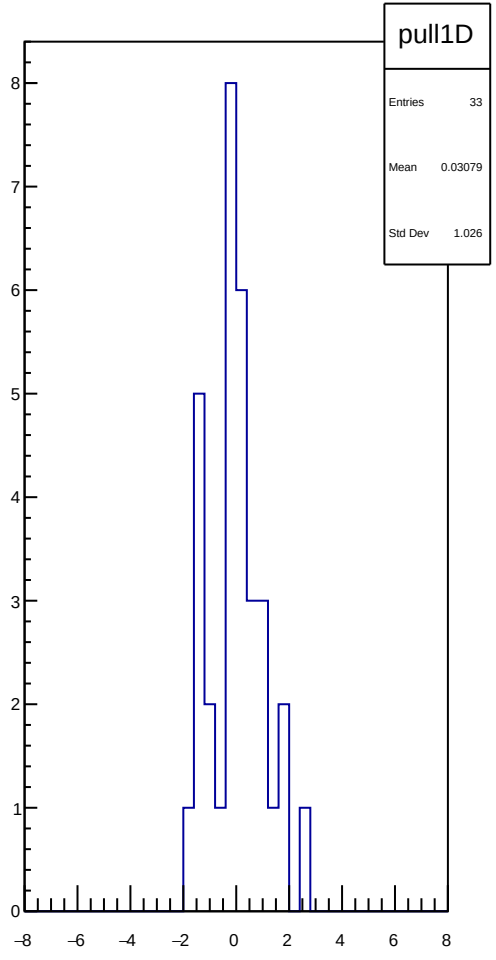

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 4439 / 32
p0 1.145e+04 ± 14.11
14000
13000
12000
11000
10000
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

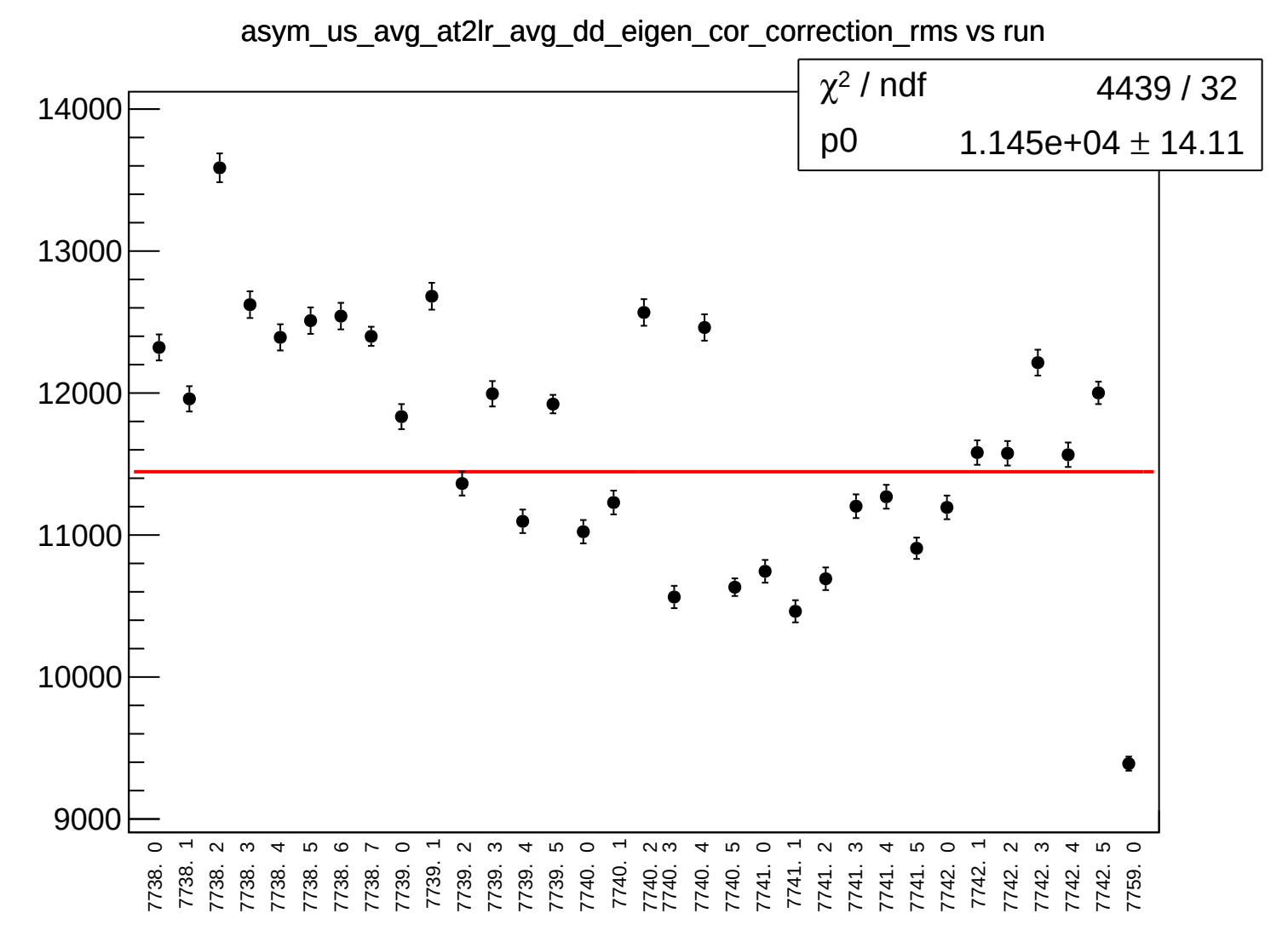

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 28.68 / 32
p0 −171.4 ± 2807
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1539
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

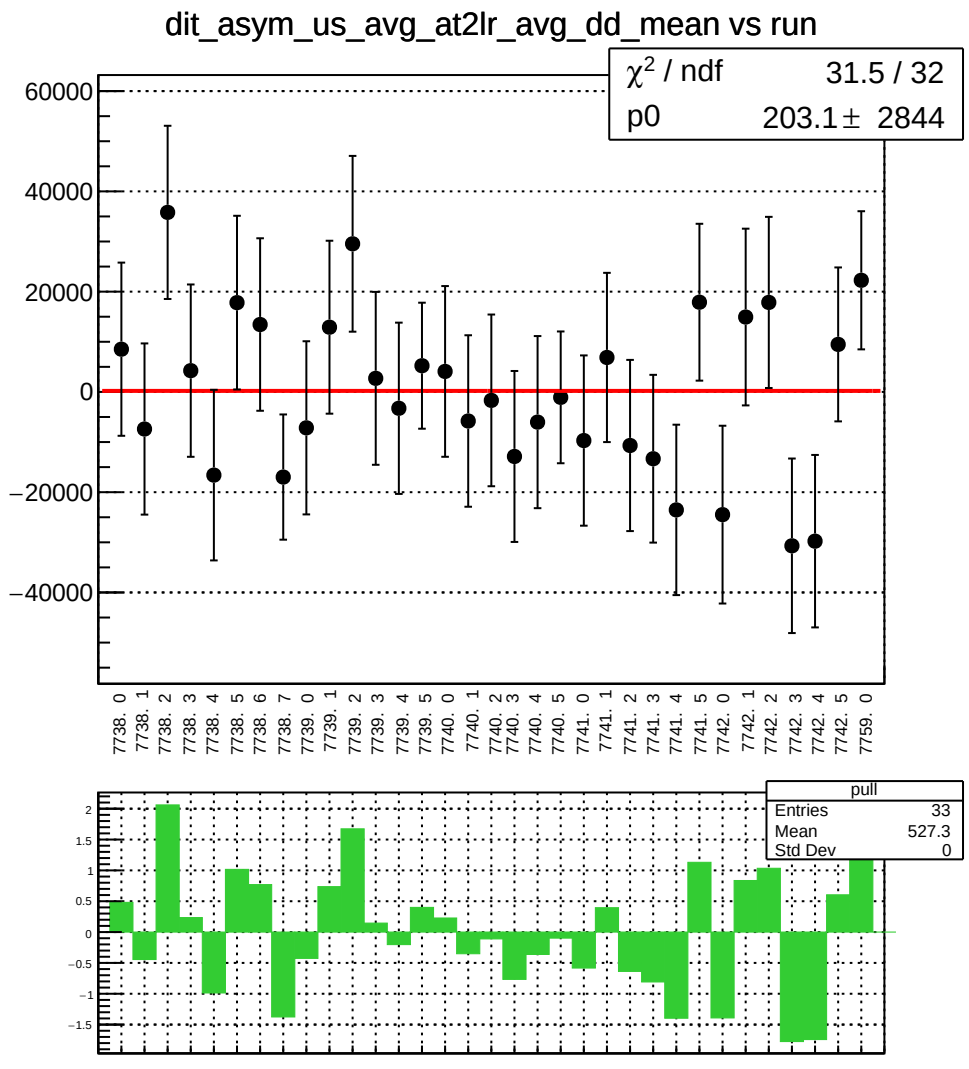

pull1D
Entries 33
Mean −0.001233
Std Dev 0.9323
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

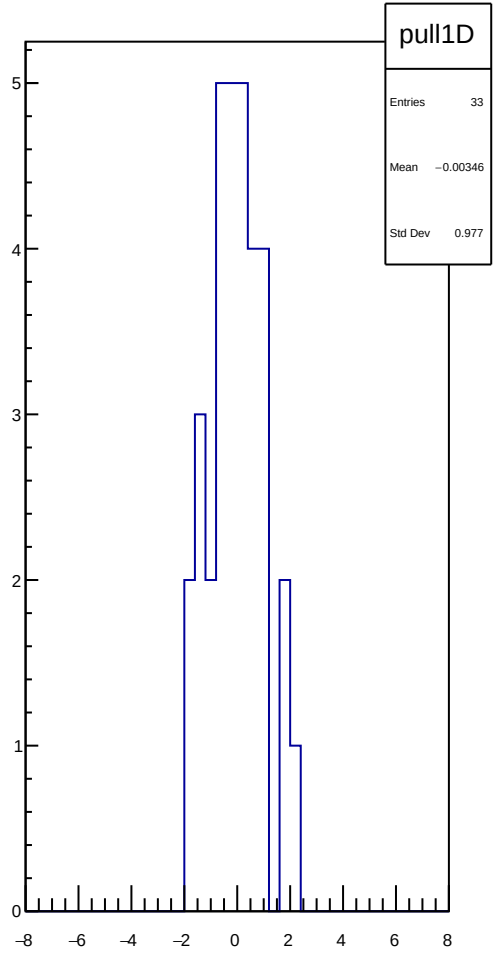

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 311.8 / 32
p0 1616 ± 1.985
1750
1700
1650
1600
1550
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

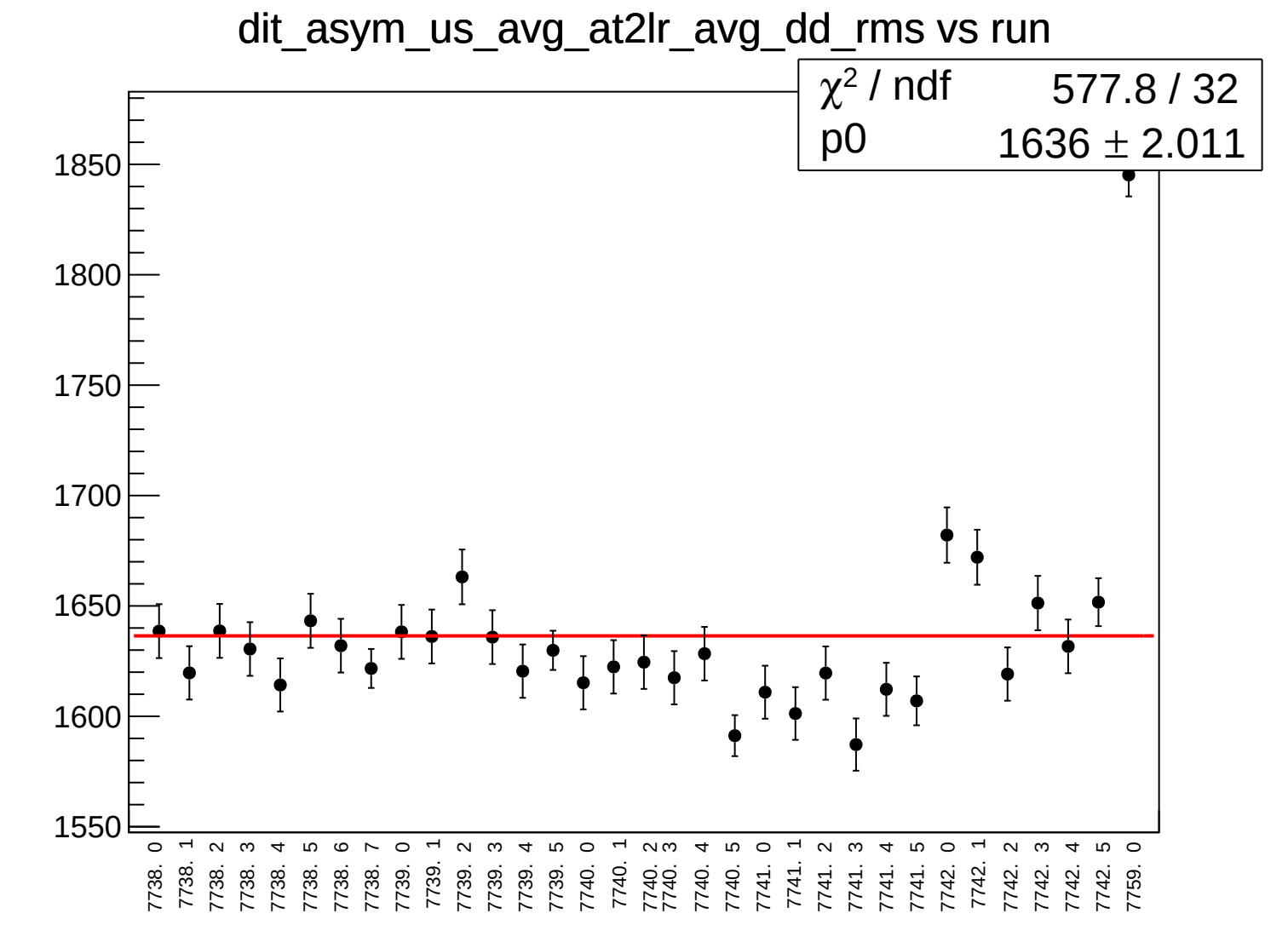

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.76 / 32
p0 2701± 1.995e+04
pull
Entries 33
Mean −23.48
Std Dev 0

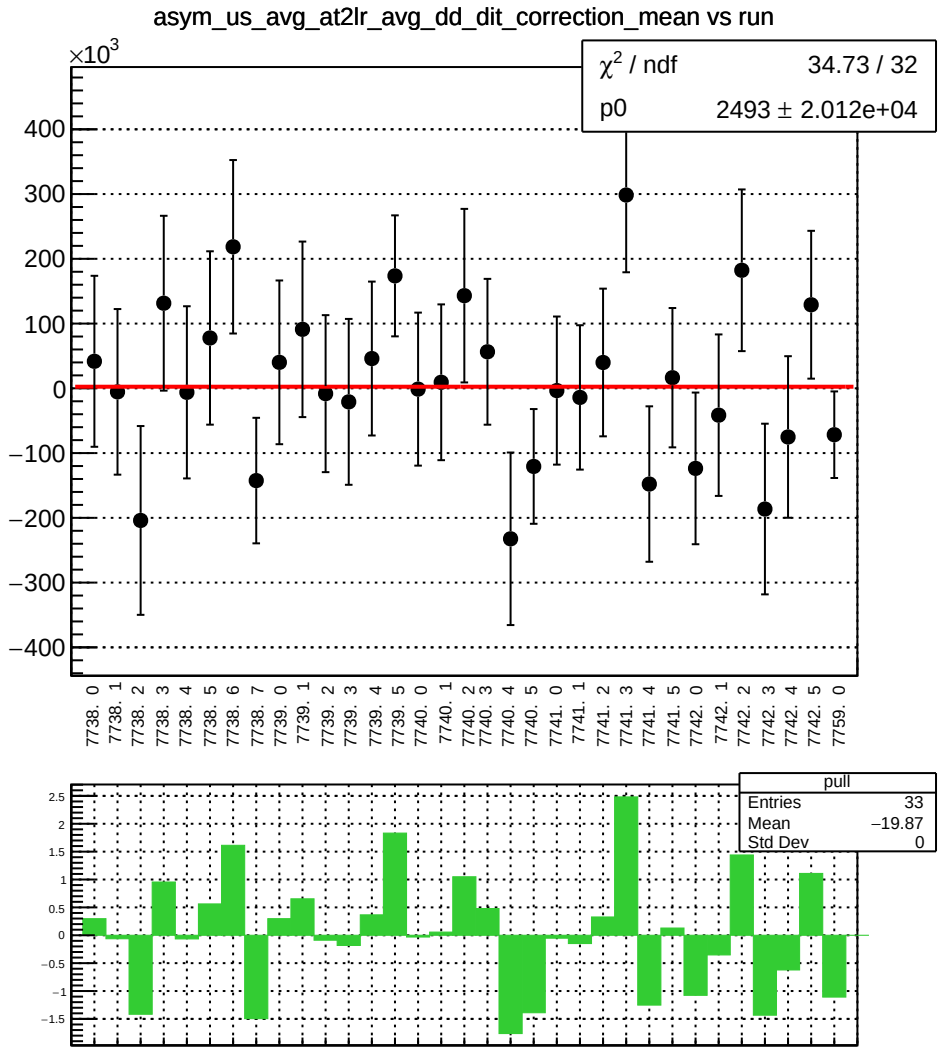

pull1D
Entries 33
Mean 0.03079
Std Dev 1.026

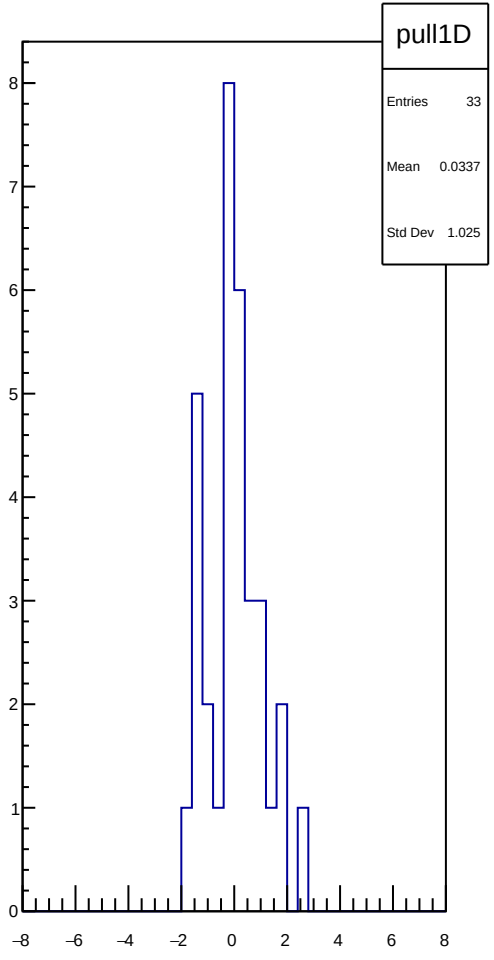

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4439 / 32
p0 1.145e+04 ± 14.11
14000
13000
12000
11000
10000
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

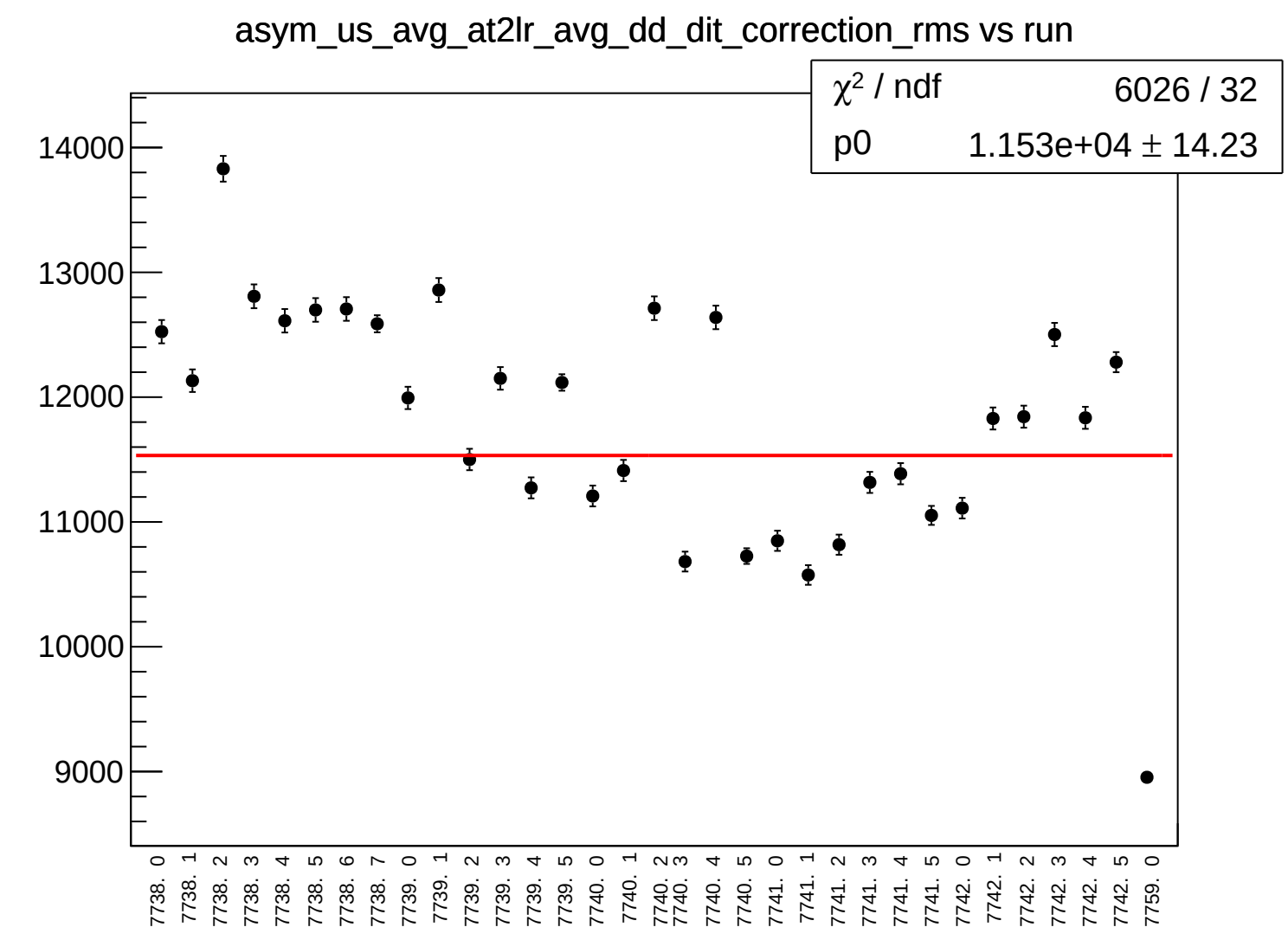

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 31.5 / 32
p0 203.1± 2844
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 527.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

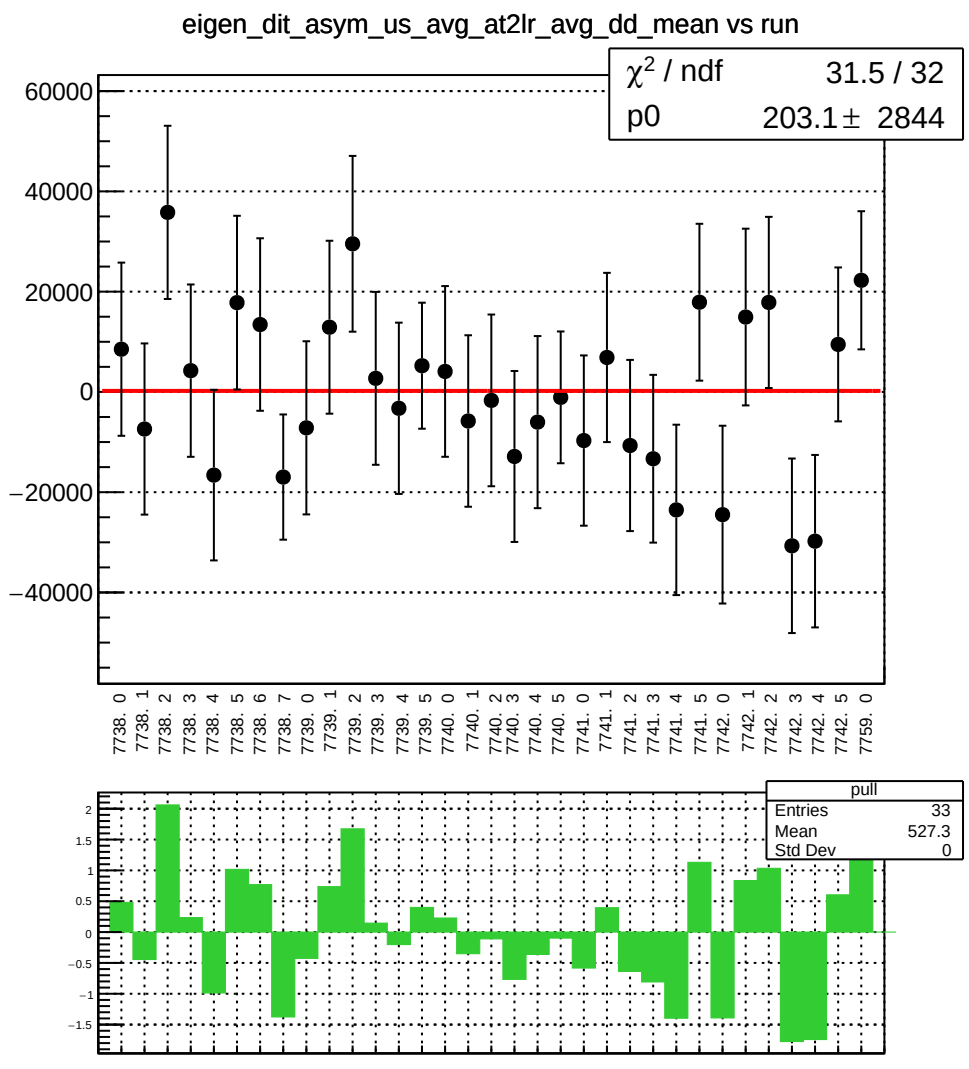

pull1D
Entries 33
Mean −0.00346
Std Dev 0.977
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

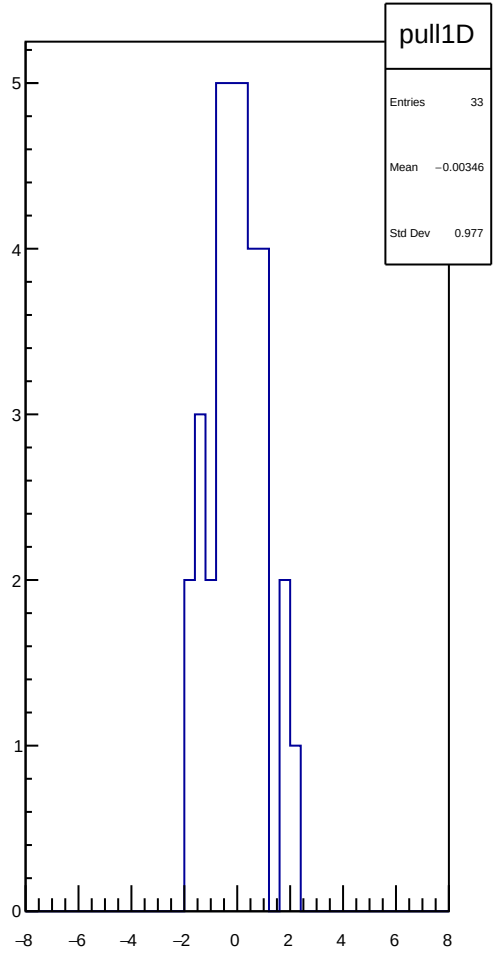

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 577.8 / 32
p0 1636 ± 2.011
1850
1800
1750
1700
1650
1600
1550
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

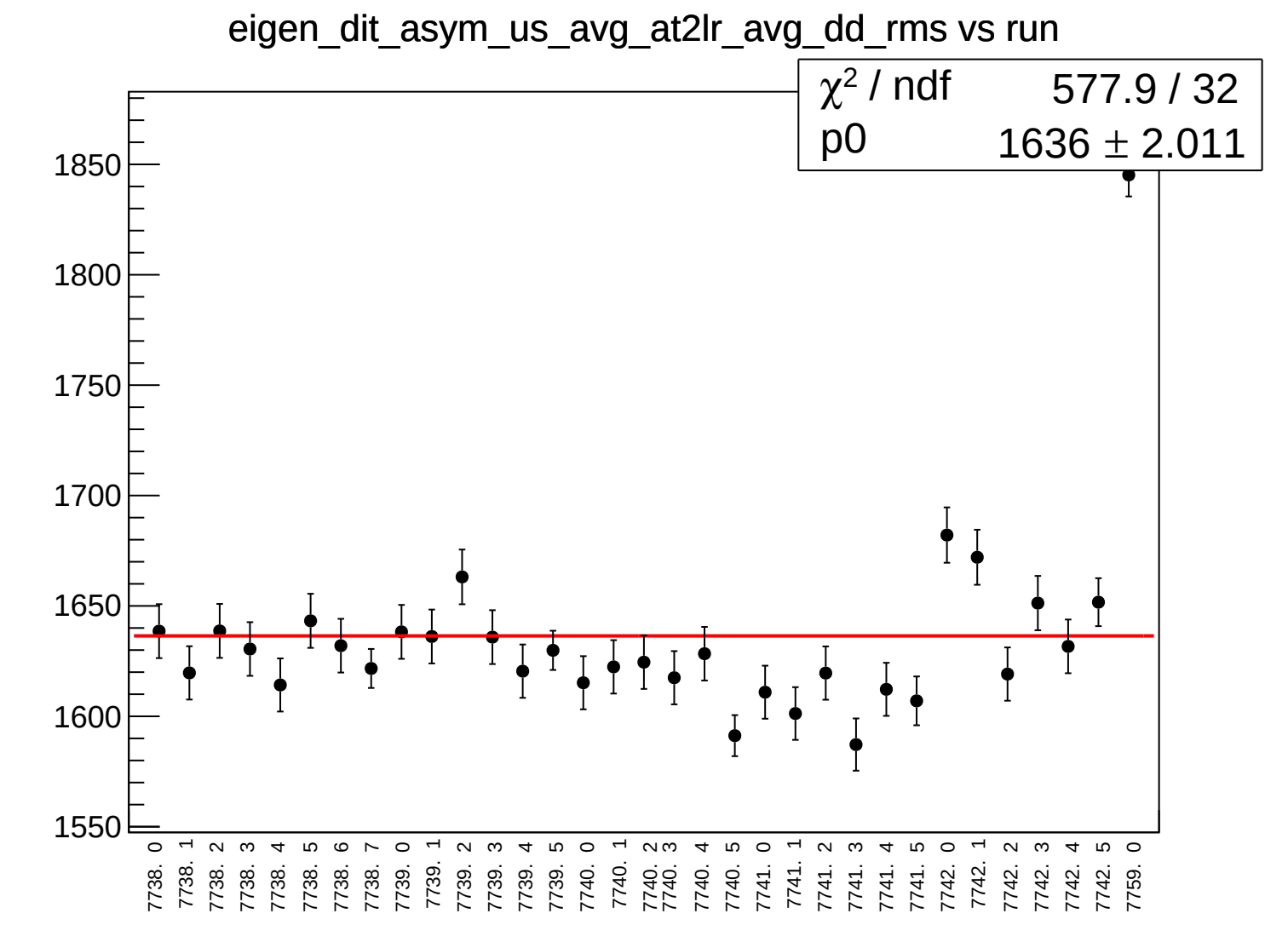

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.73 / 32
p0 2493 ± 2.012e+04
400
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.87
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

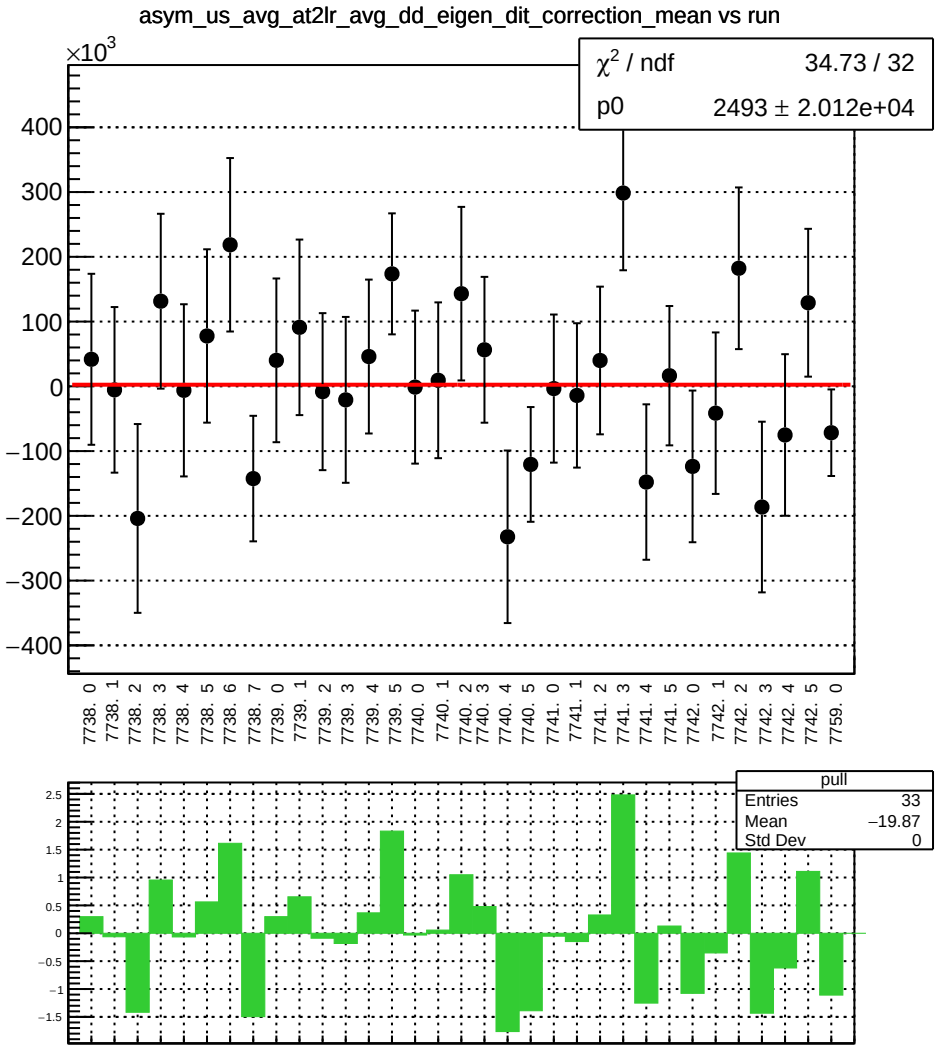

pull1D
Entries 33
Mean 0.0337
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

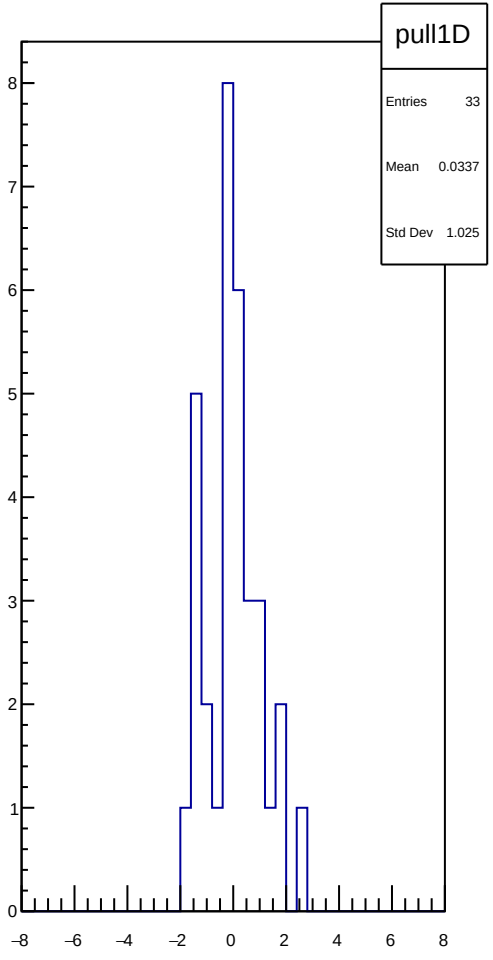

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 6026 / 32
p0 1.153e+04 ± 14.23
14000
13000
12000
11000
10000
9000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

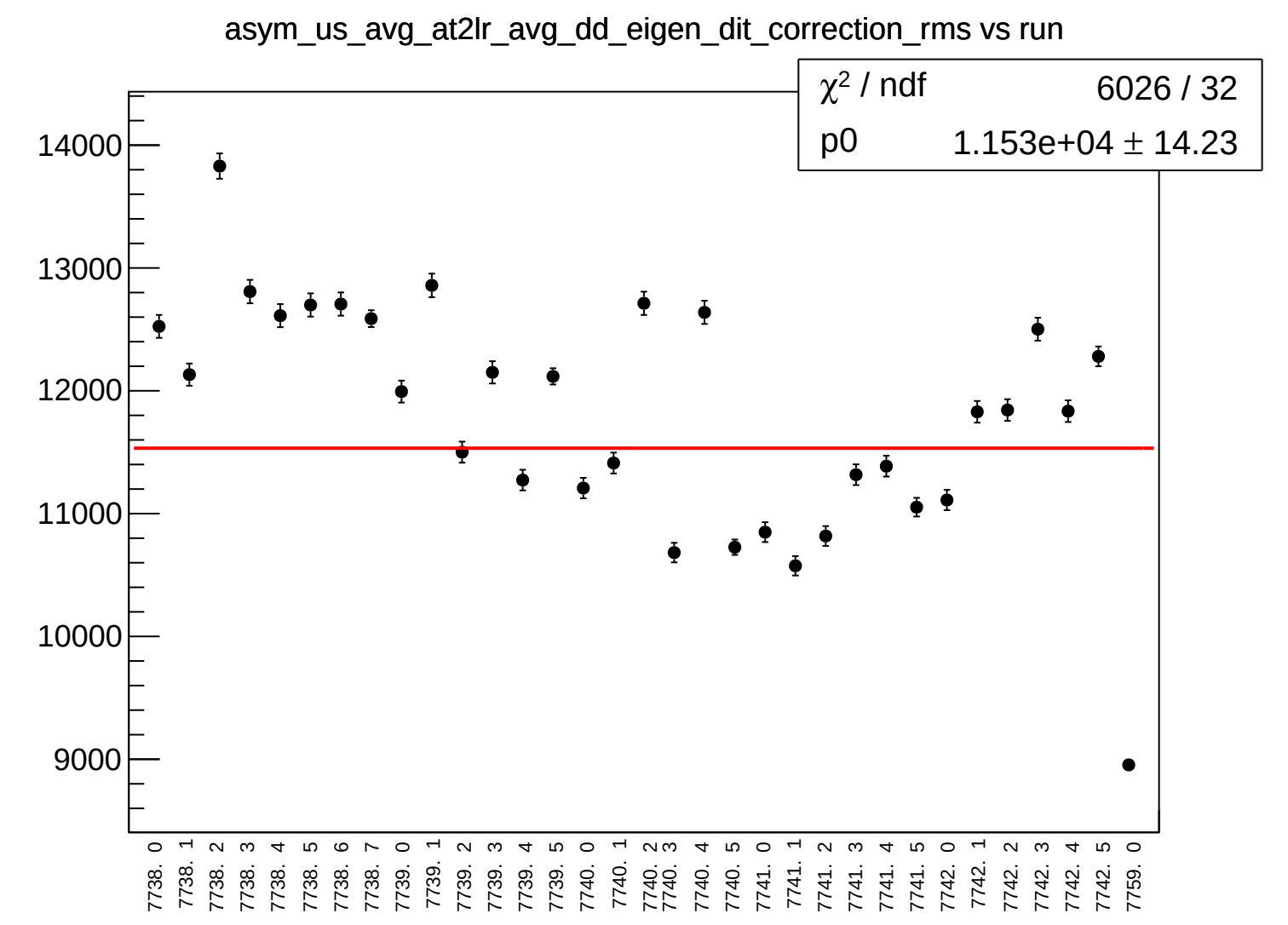

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 31.5 / 32
p0 203.1± 2844
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 527.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

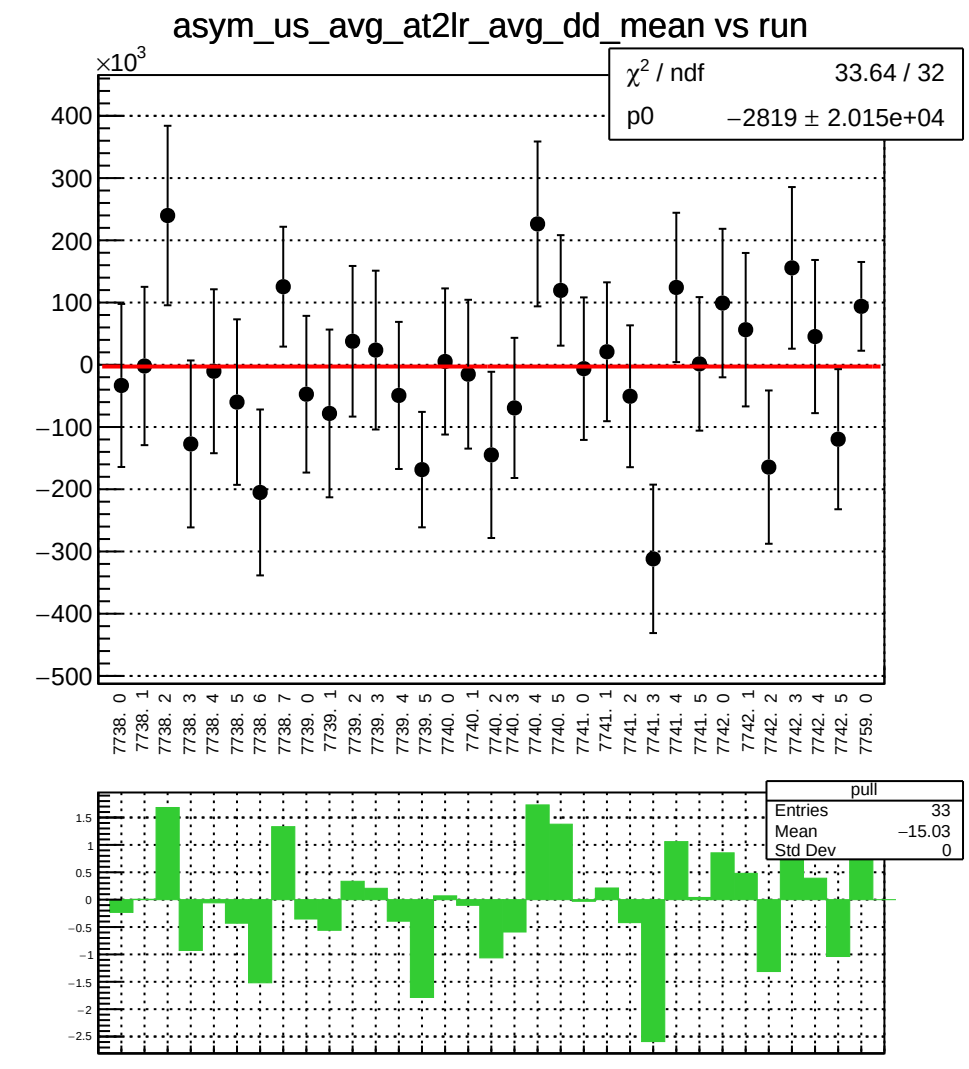

pull1D
Entries 33
Mean −0.00346
Std Dev 0.977
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

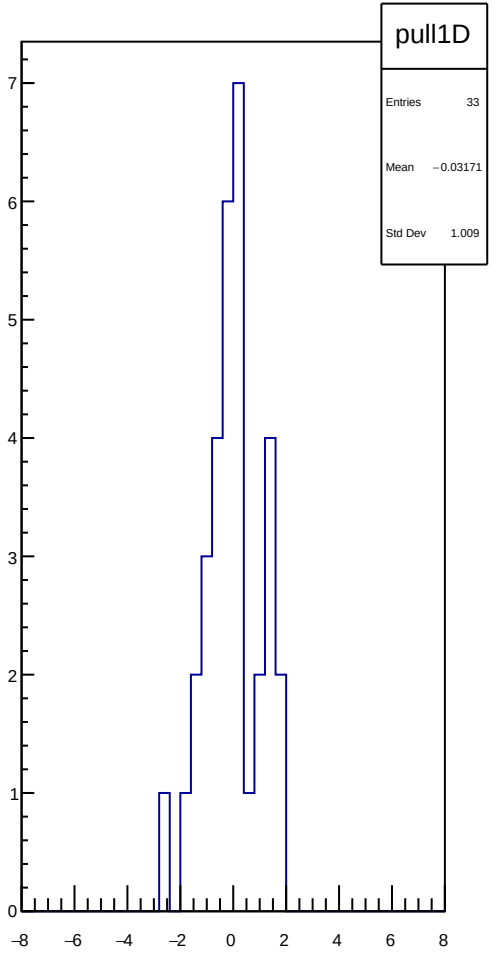

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 577.9 / 32
p0 1636 ± 2.011
1850
1800
1750
1700
1650
1600
1550
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

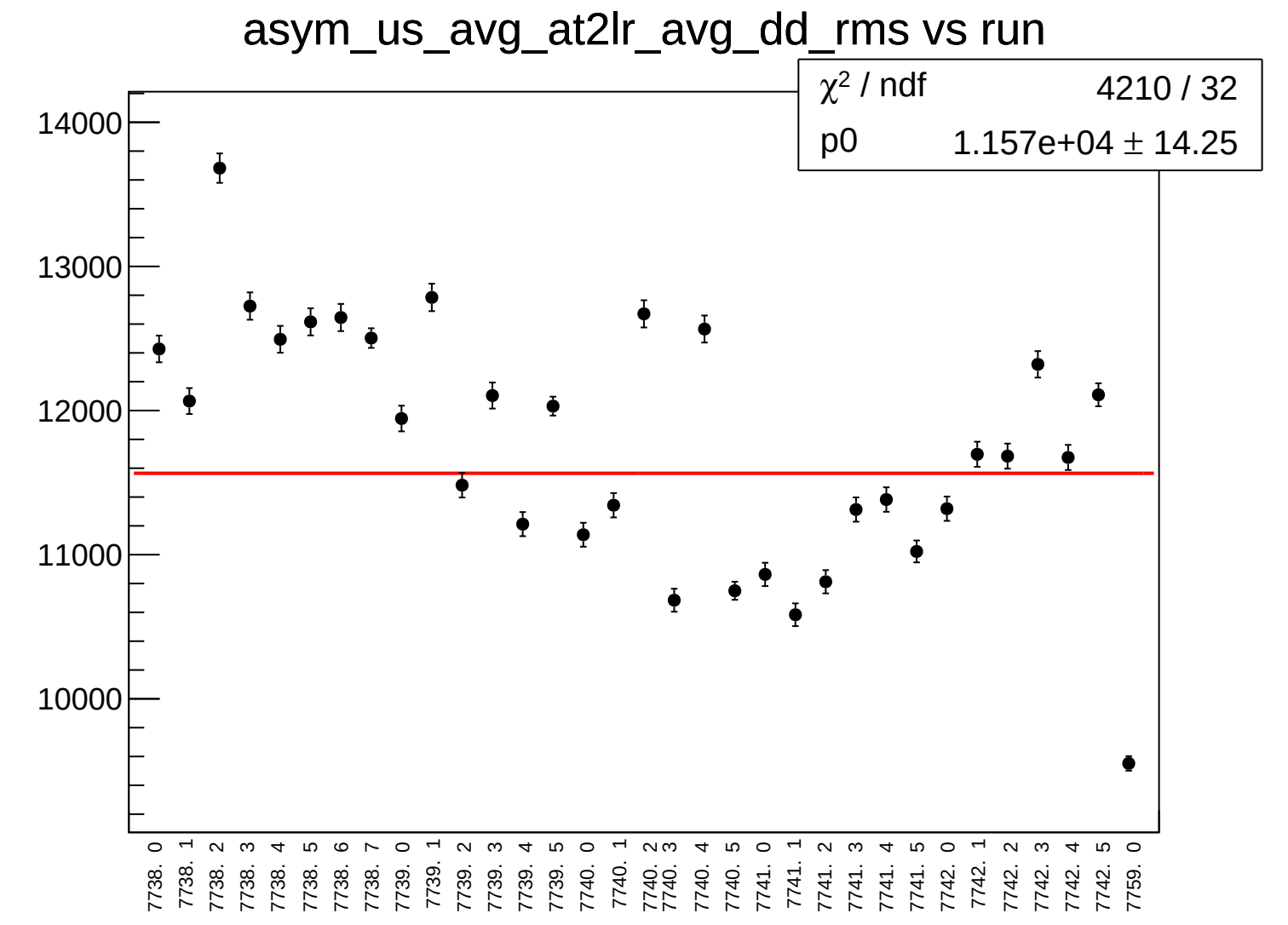

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.73 / 32
p0 2493 ± 2.012e+04
400
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.87
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

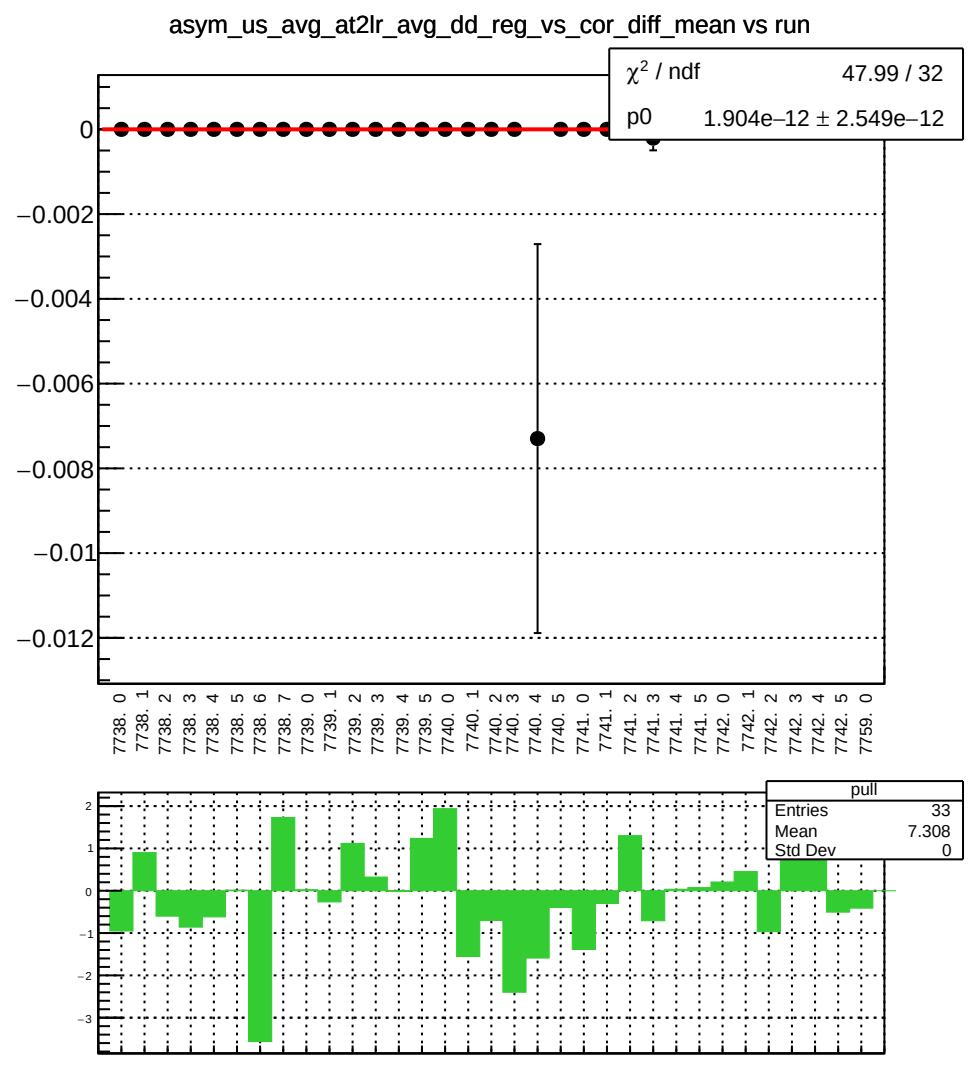

pull1D
Entries 33
Mean 0.0337
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

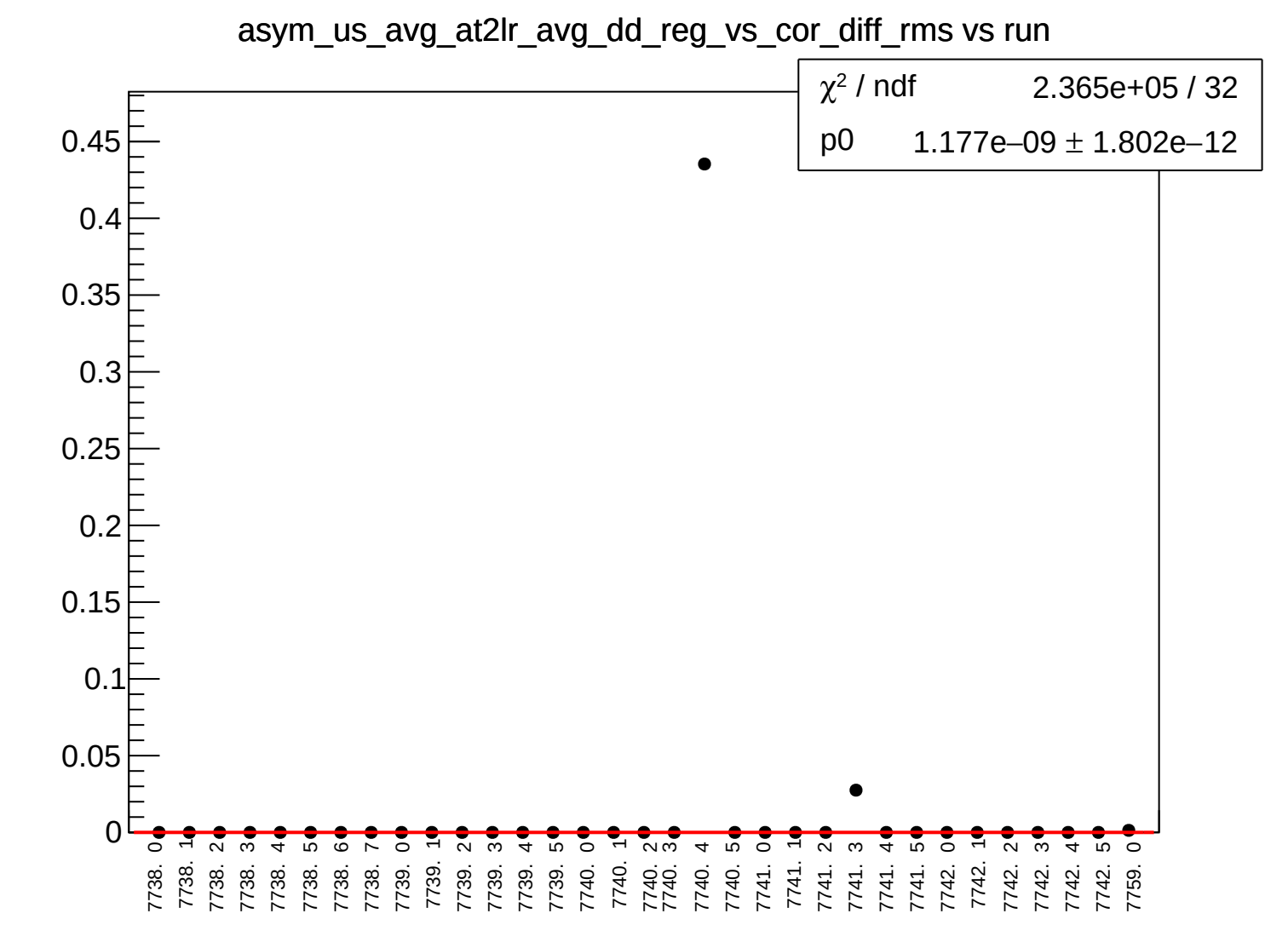

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6026 / 32
p0 1.153e+04 ± 14.23
14000
13000
12000
11000
10000
9000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

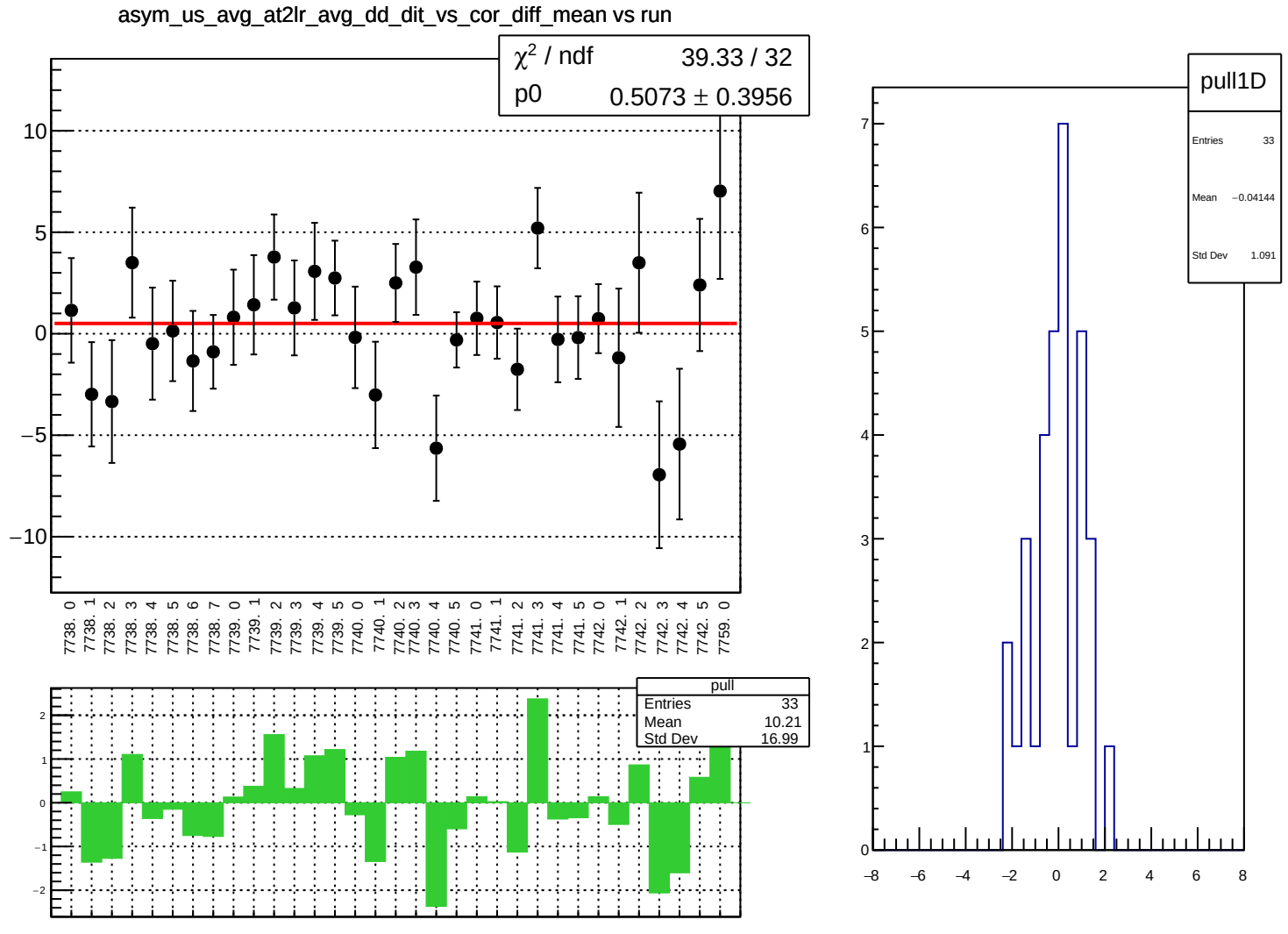

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 33.64 / 32
p0 −2819 ± 2.015e+04
pull
Entries 33
Mean −15.03
Std Dev 0

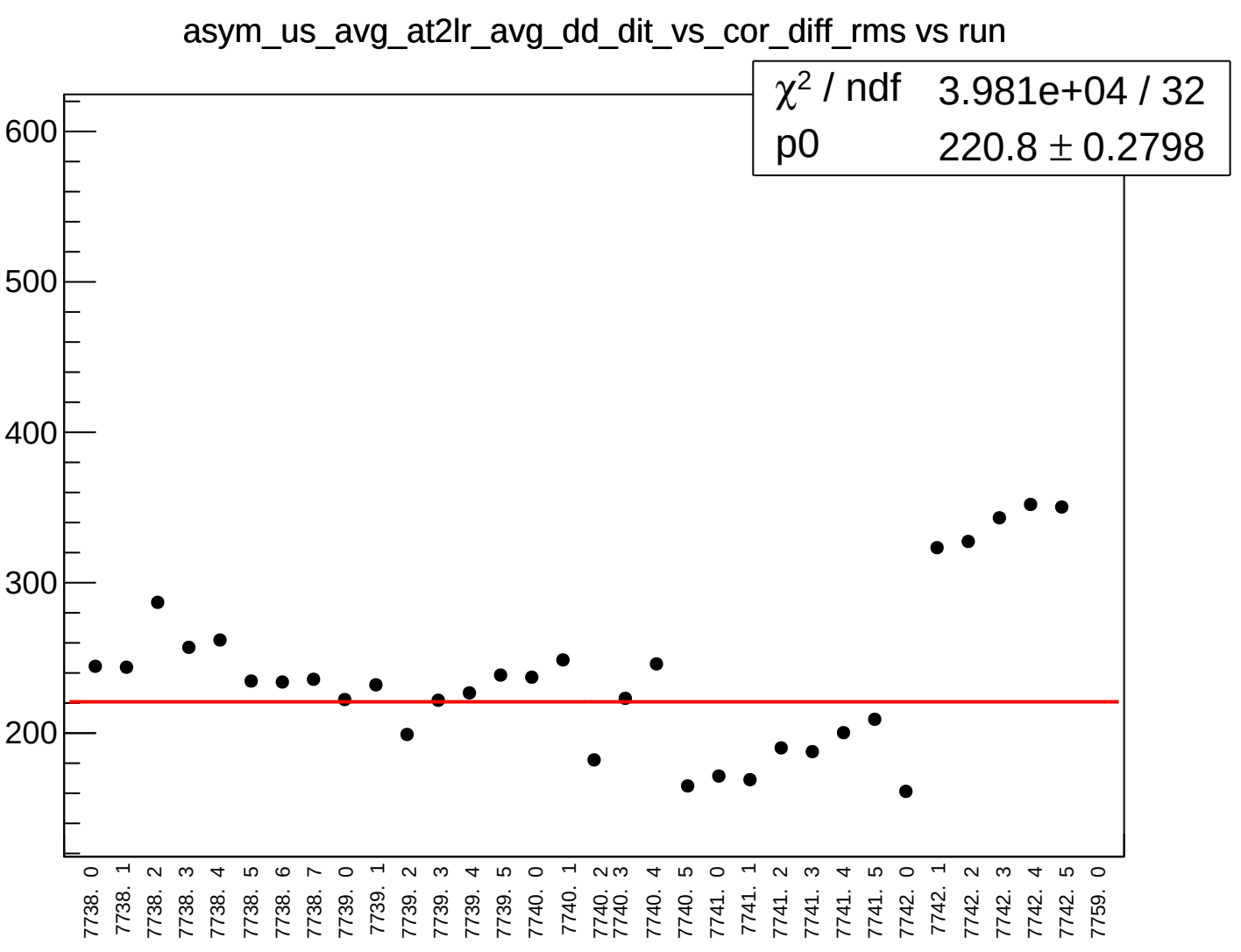

pull1D
Entries 33
Mean −0.03171
Std Dev 1.009

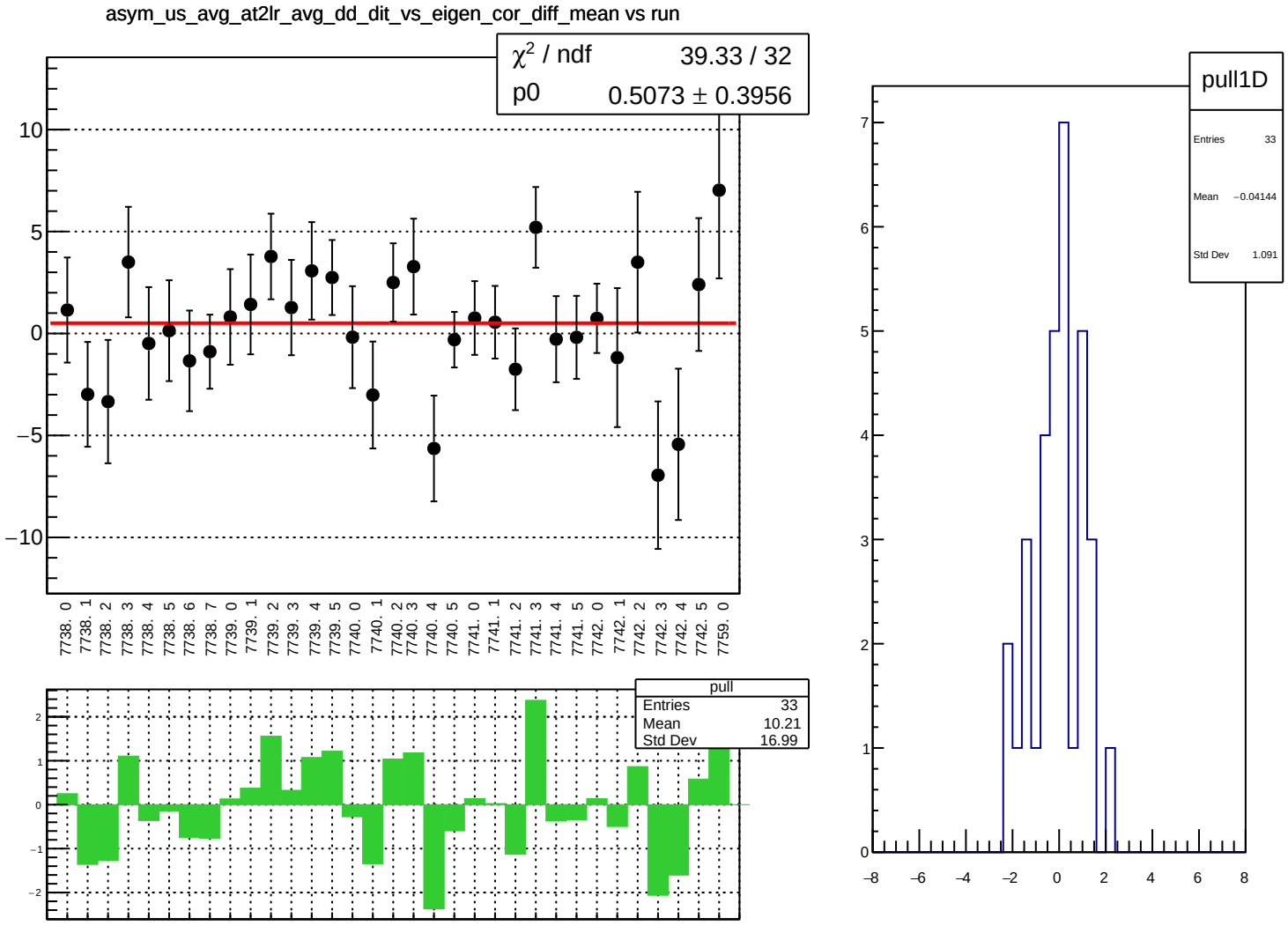

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 4210 / 32
p0 1.157e+04 ± 14.25
14000
13000
12000
11000
10000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

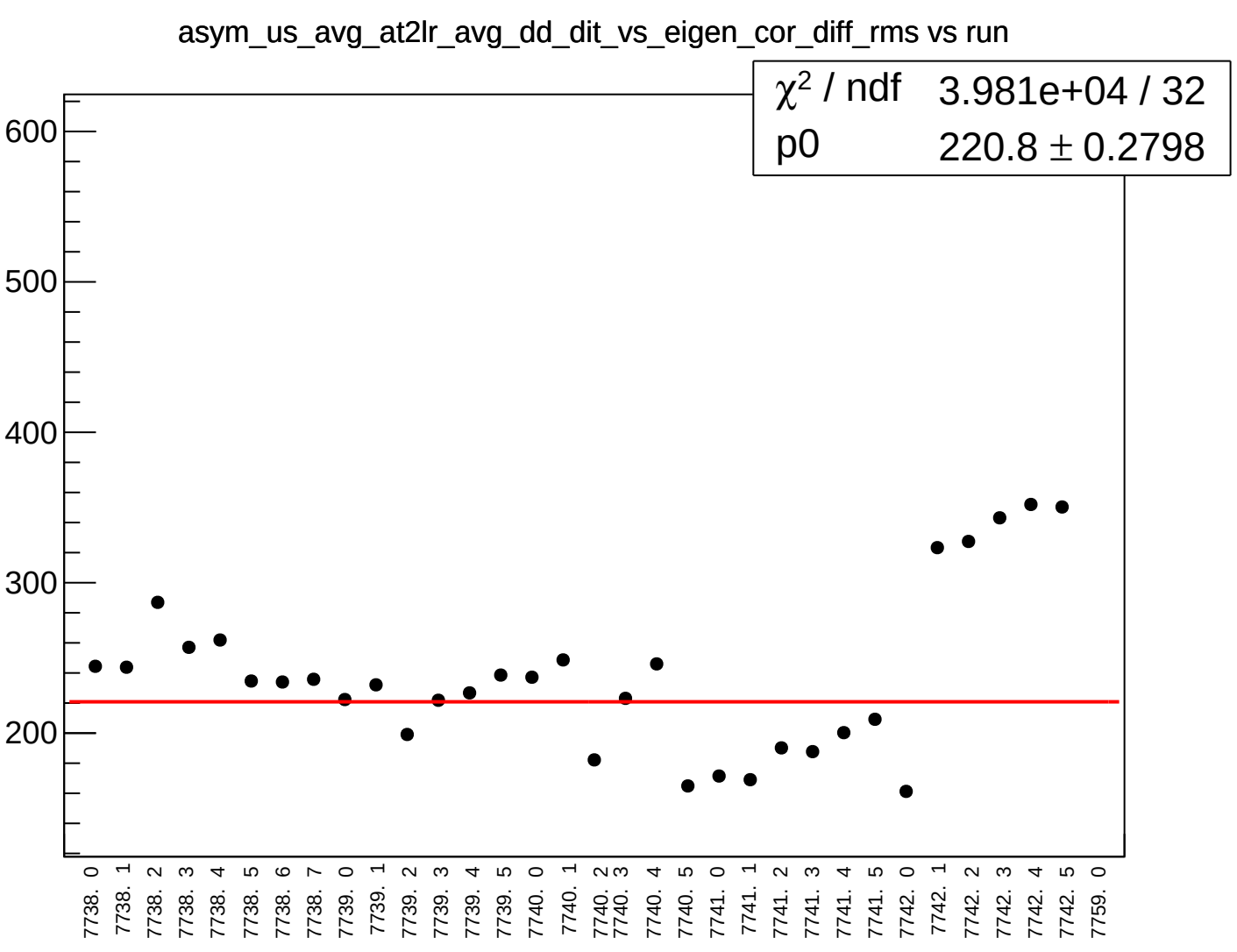

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.99 / 32
p0 1.904e−12 ± 2.549e−12
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.308
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.1625
Std Dev 1.195
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

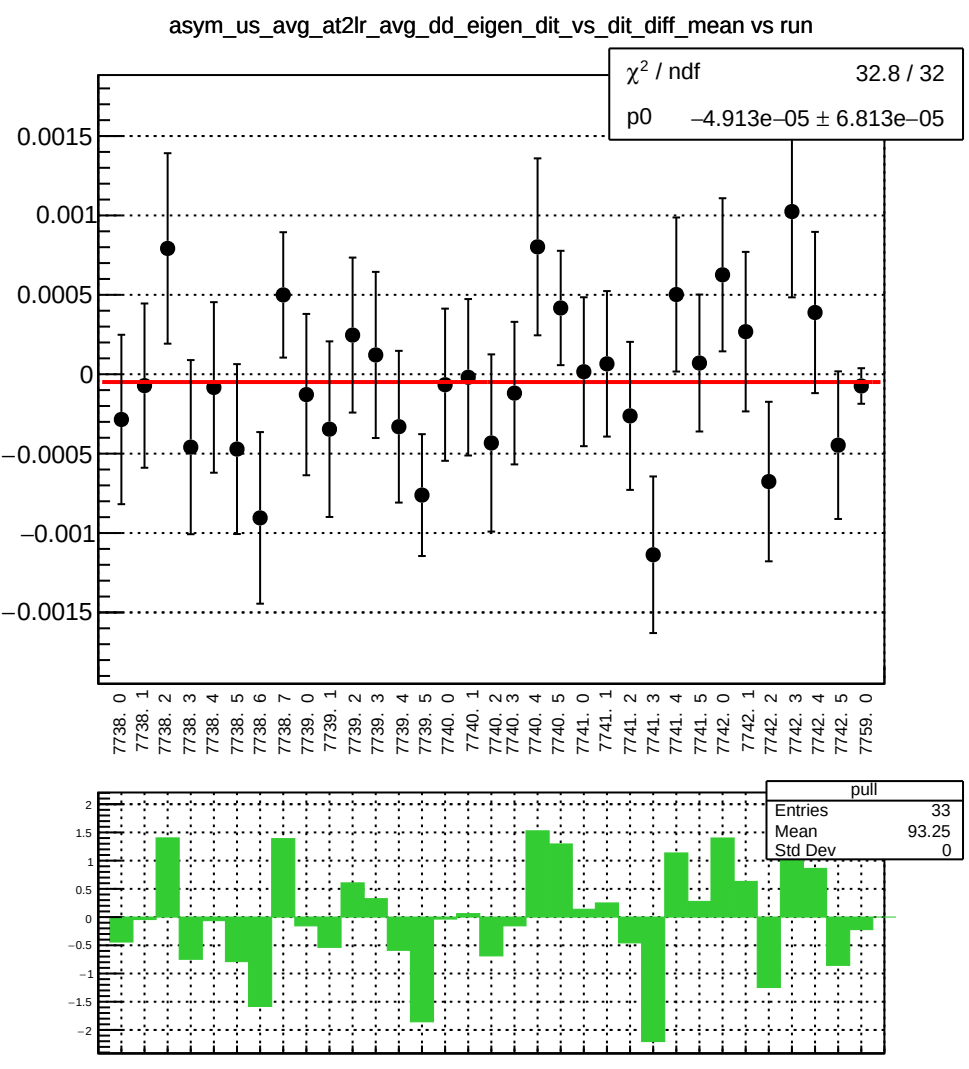

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.365e+05 / 32
p0 1.177e−09 ± 1.802e−12
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

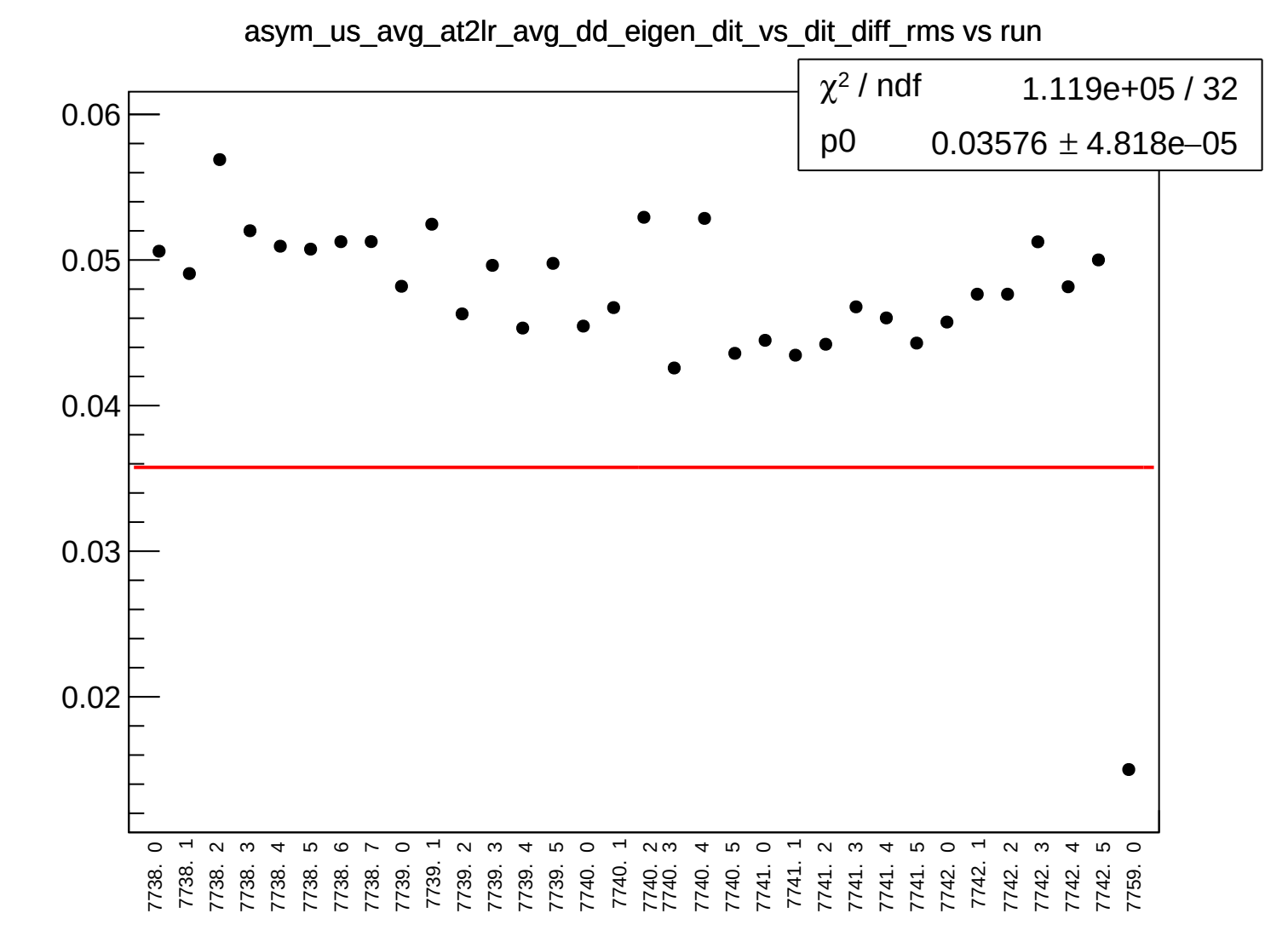

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.33 / 32
p0 0.5073 ± 0.3956
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.21
Std Dev 16.99
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.04144
Std Dev 1.091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

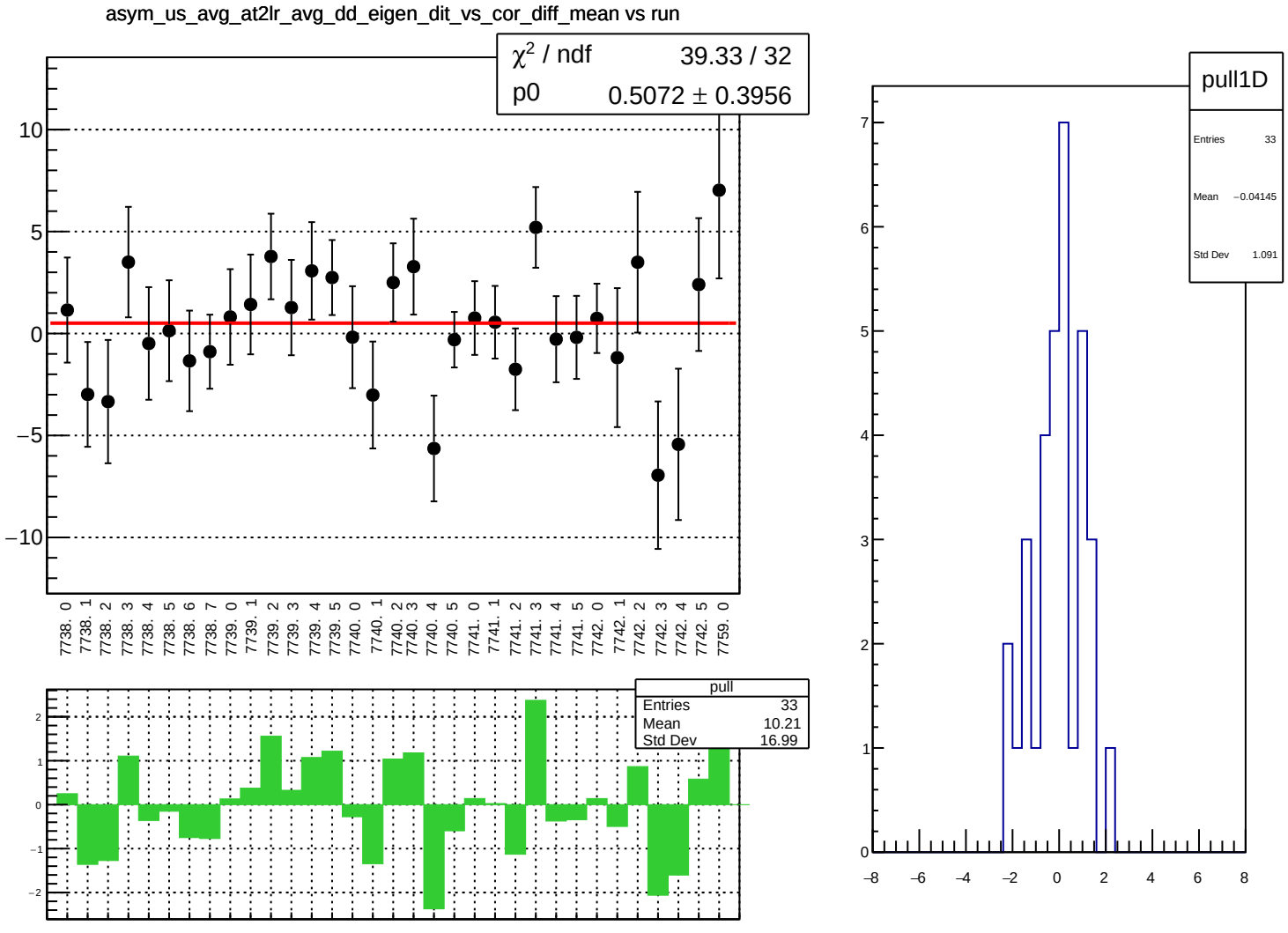

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.981e+04 / 32
p0 220.8 ± 0.2798
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

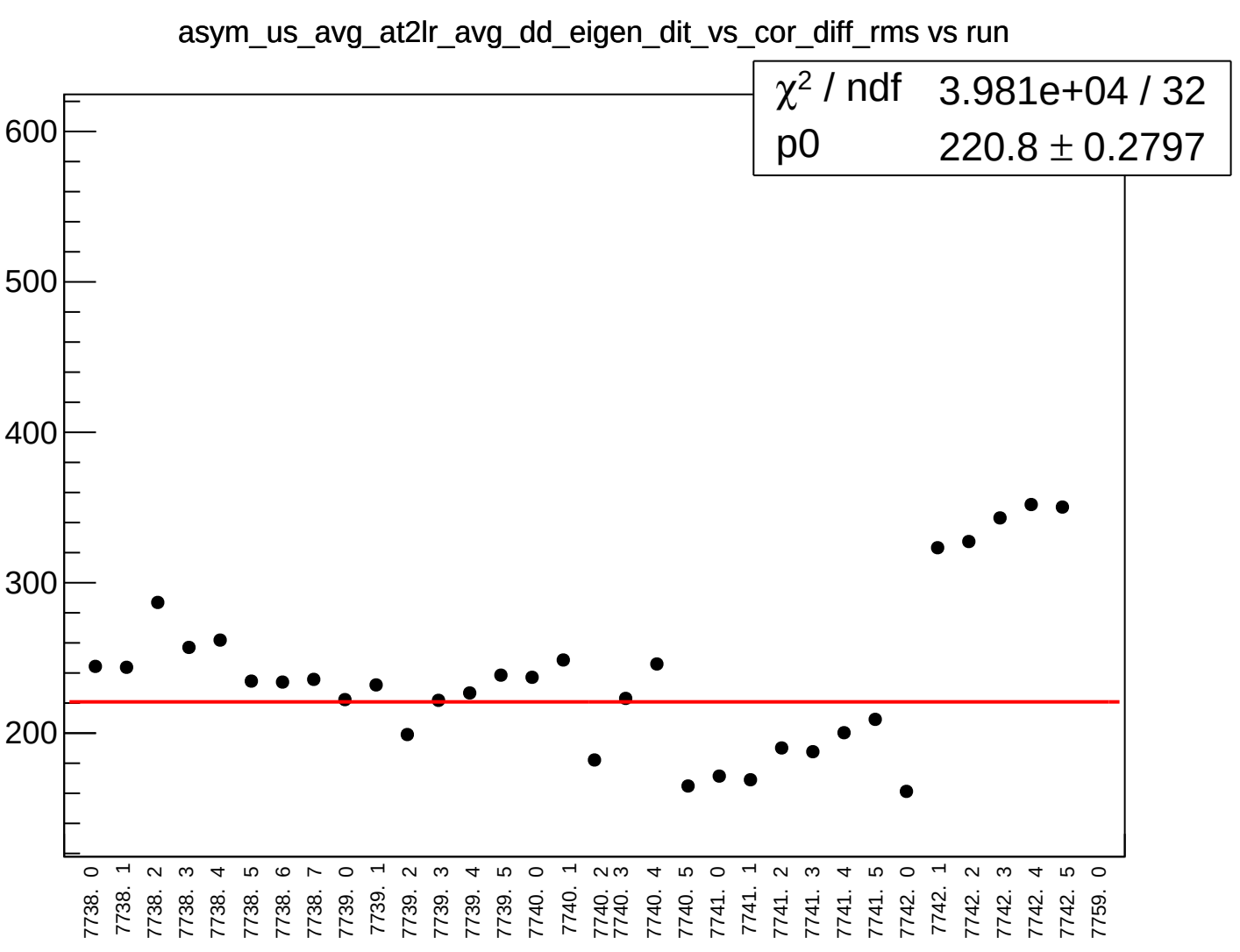

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.33 / 32
p0 0.5073 ± 0.3956
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.21
Std Dev 16.99
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.04144
Std Dev 1.091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

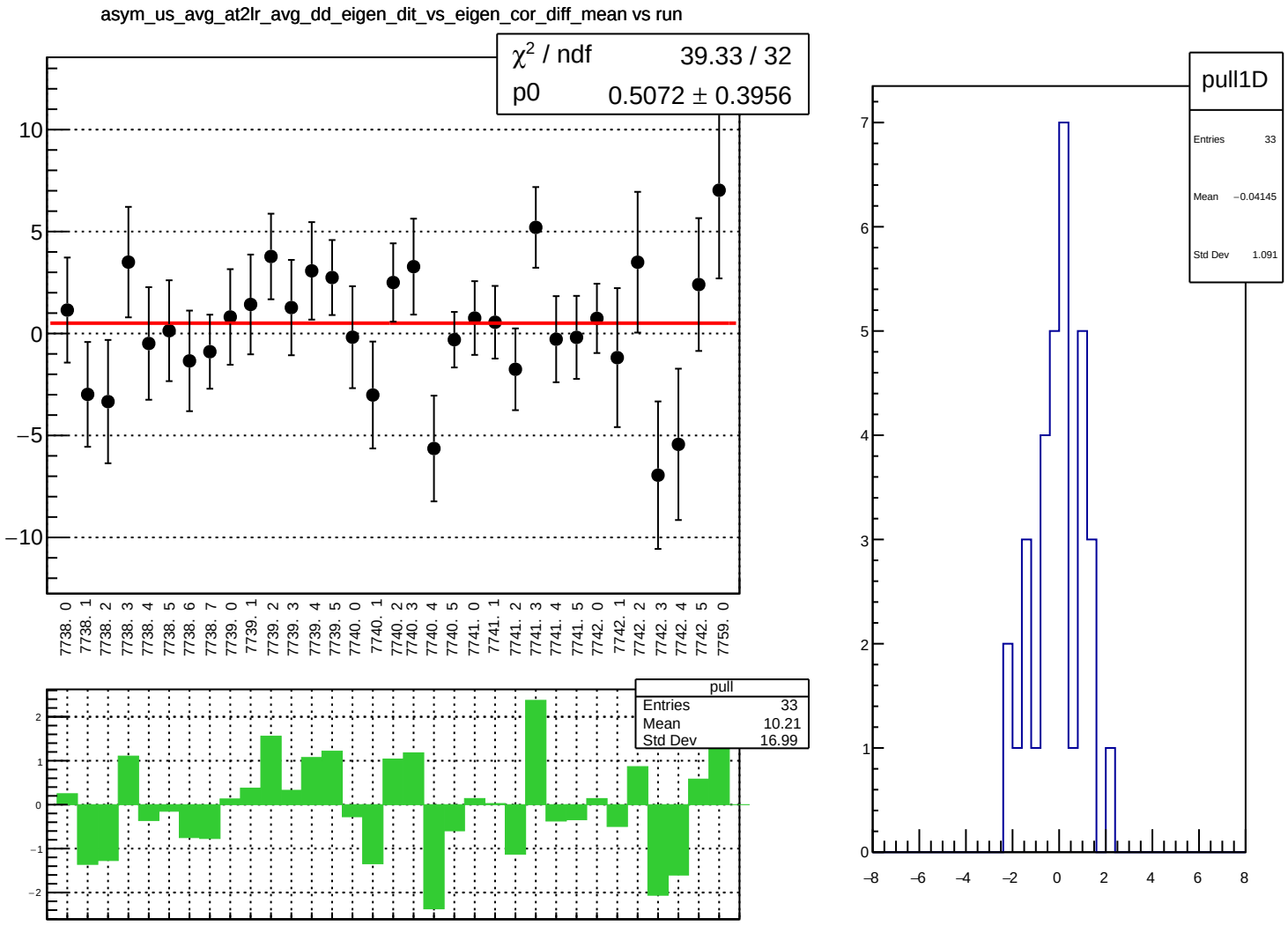

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.981e+04 / 32
p0 220.8 ± 0.2798
600
500
400
300
200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

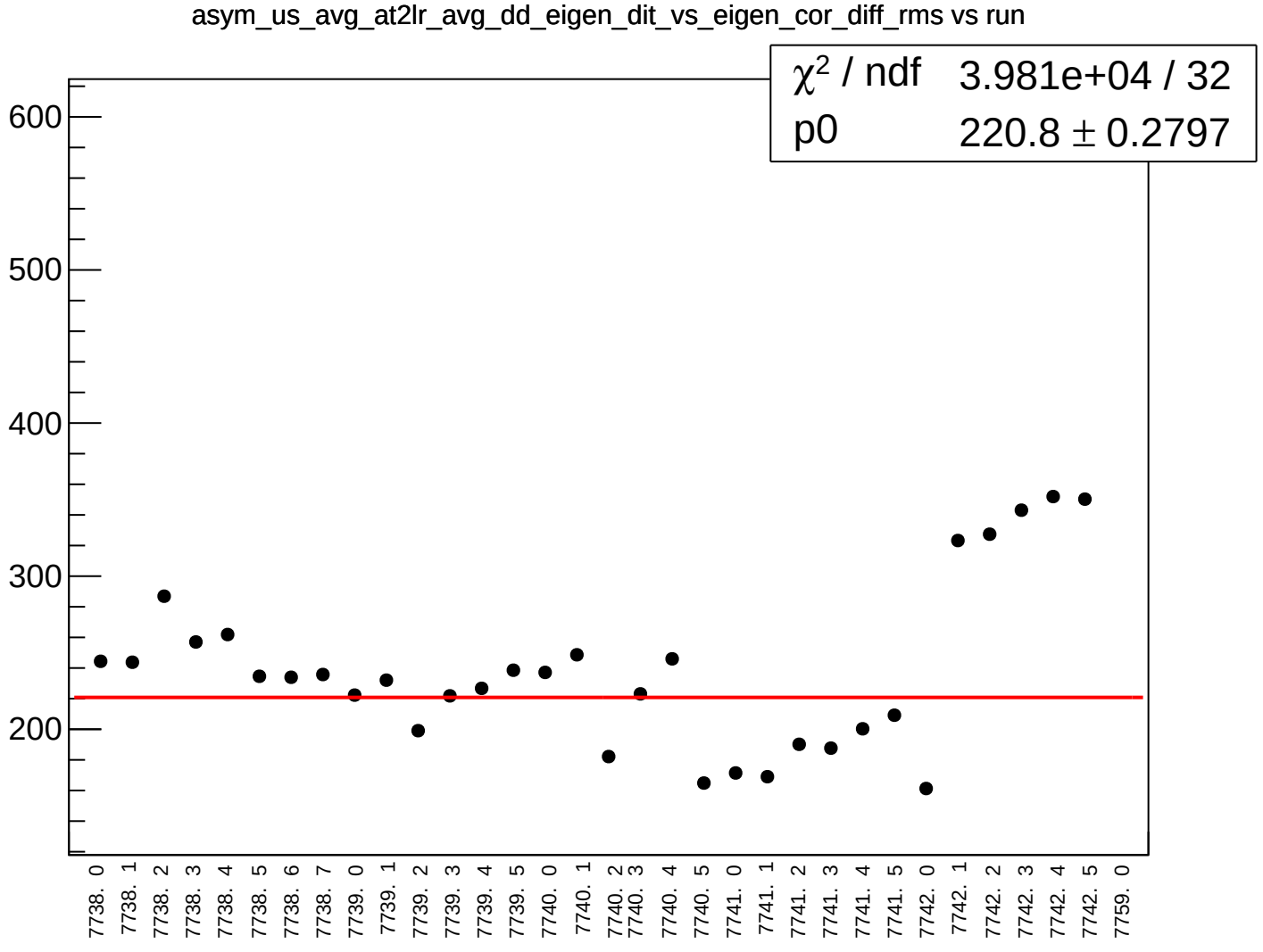

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 32.8 / 32
p0 −4.913e−05 ± 6.813e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 93.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01885
Std Dev 0.9967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

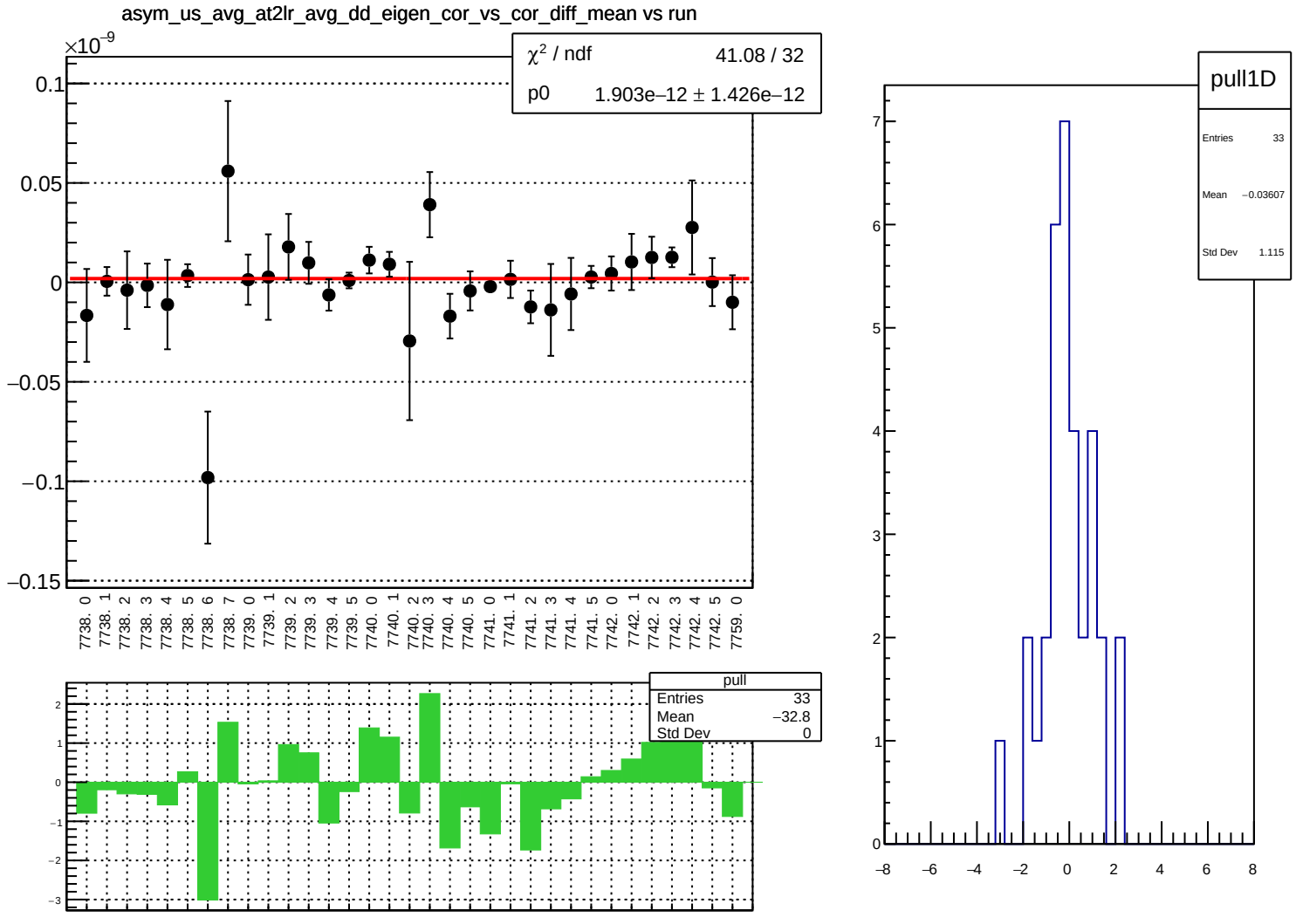

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.119e+05 / 32
p0 0.03576 ± 4.818e−05
0.06
0.05
0.04
0.03
0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

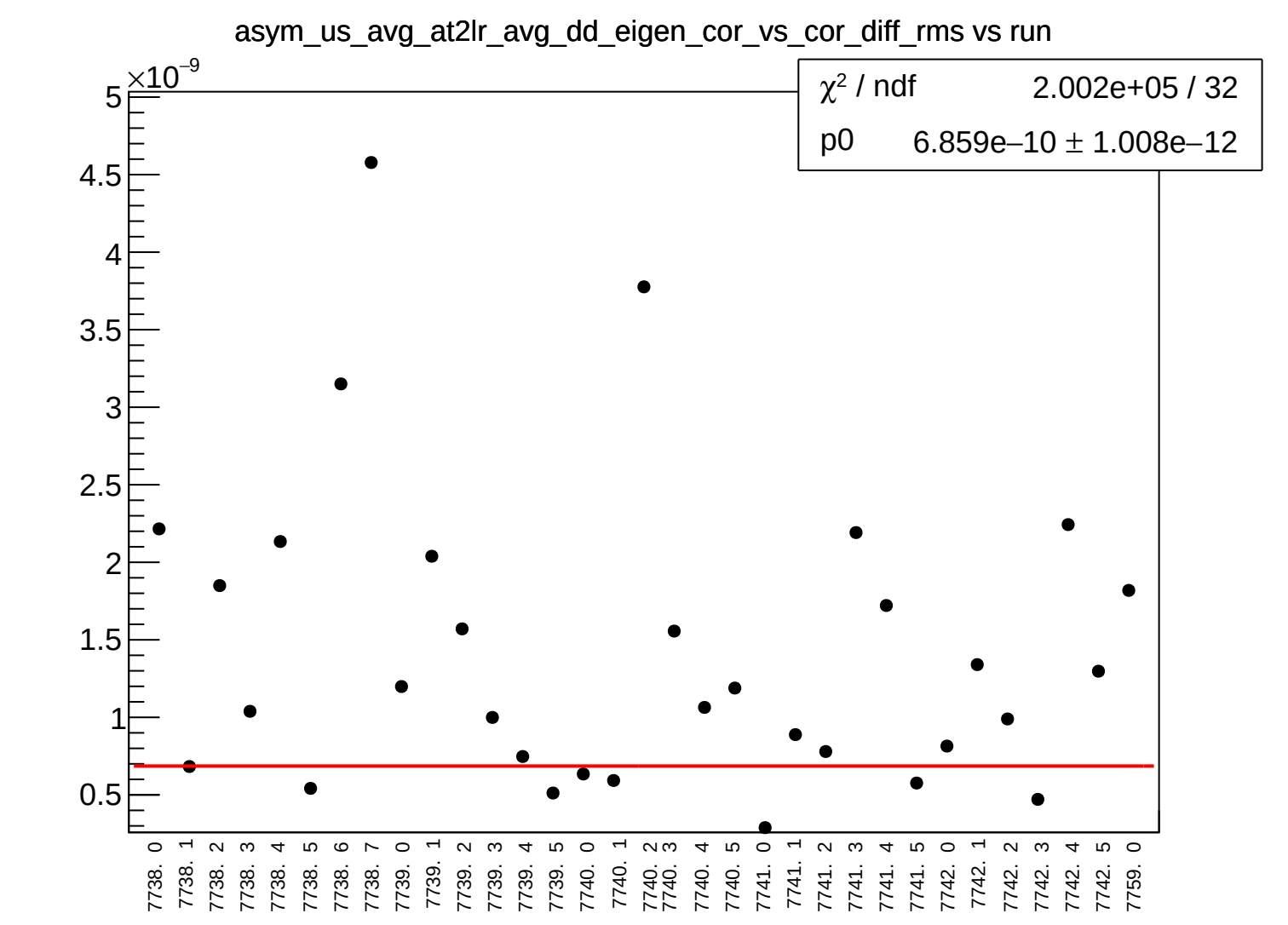

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.33 / 32
p0 0.5072 ± 0.3956
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.21
Std Dev 16.99
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.04145
Std Dev 1.091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

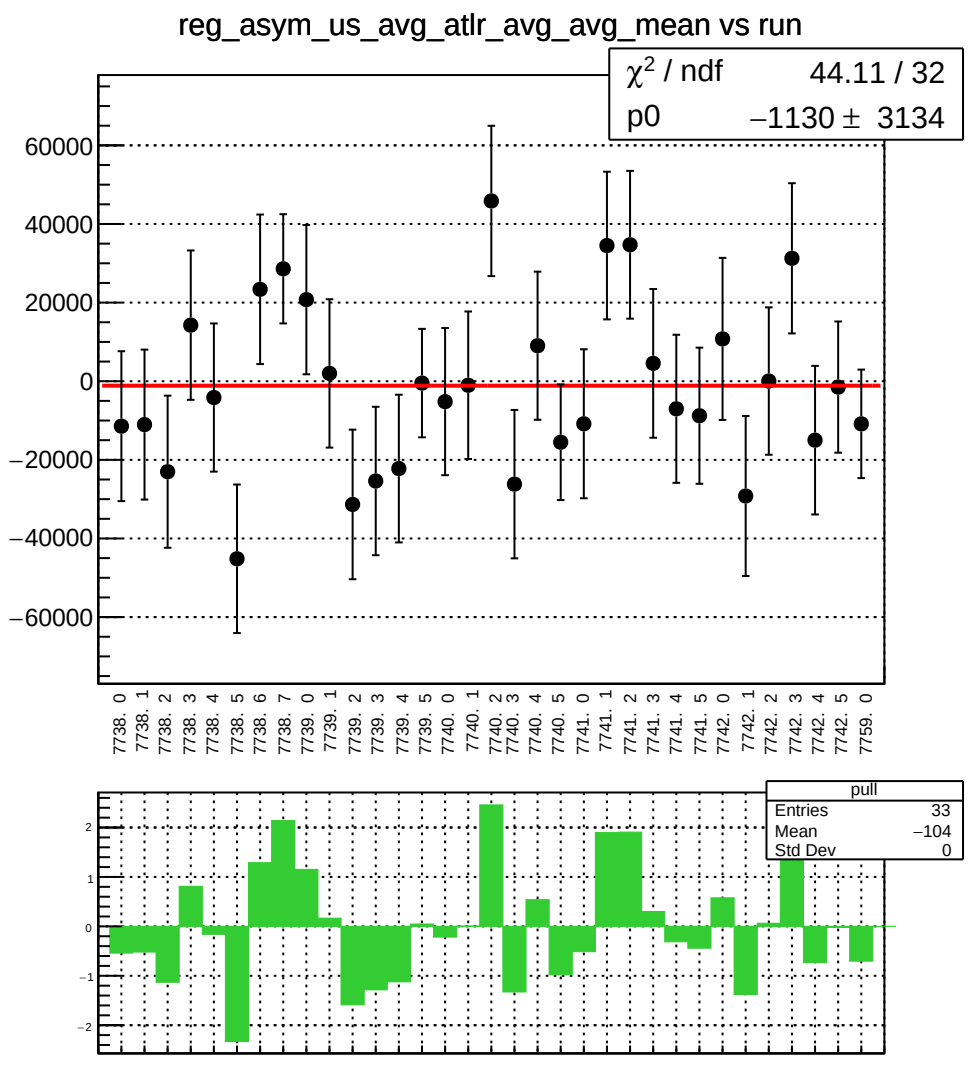

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.981e+04 / 32
p0 220.8 ± 0.2797
600
500
400
300
200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

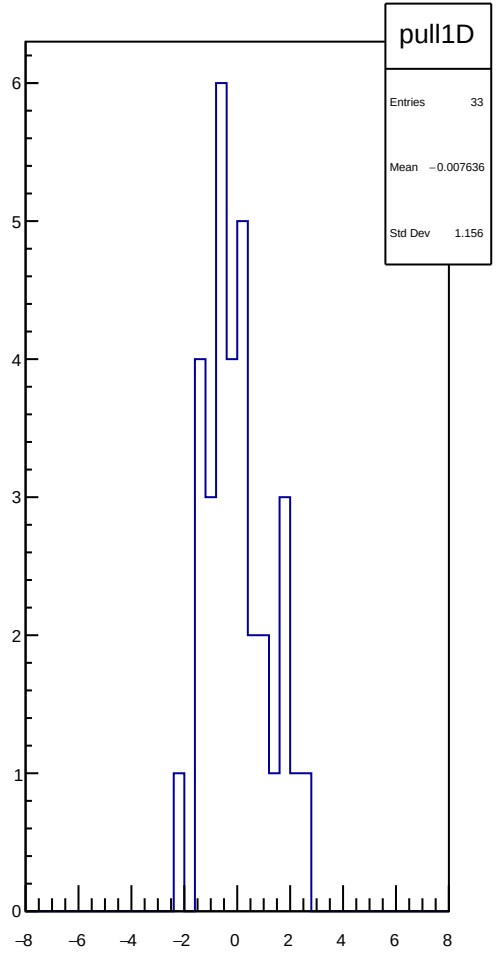

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.33 / 32
p0 0.5072 ± 0.3956
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.21
Std Dev 16.99
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.04145
Std Dev 1.091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

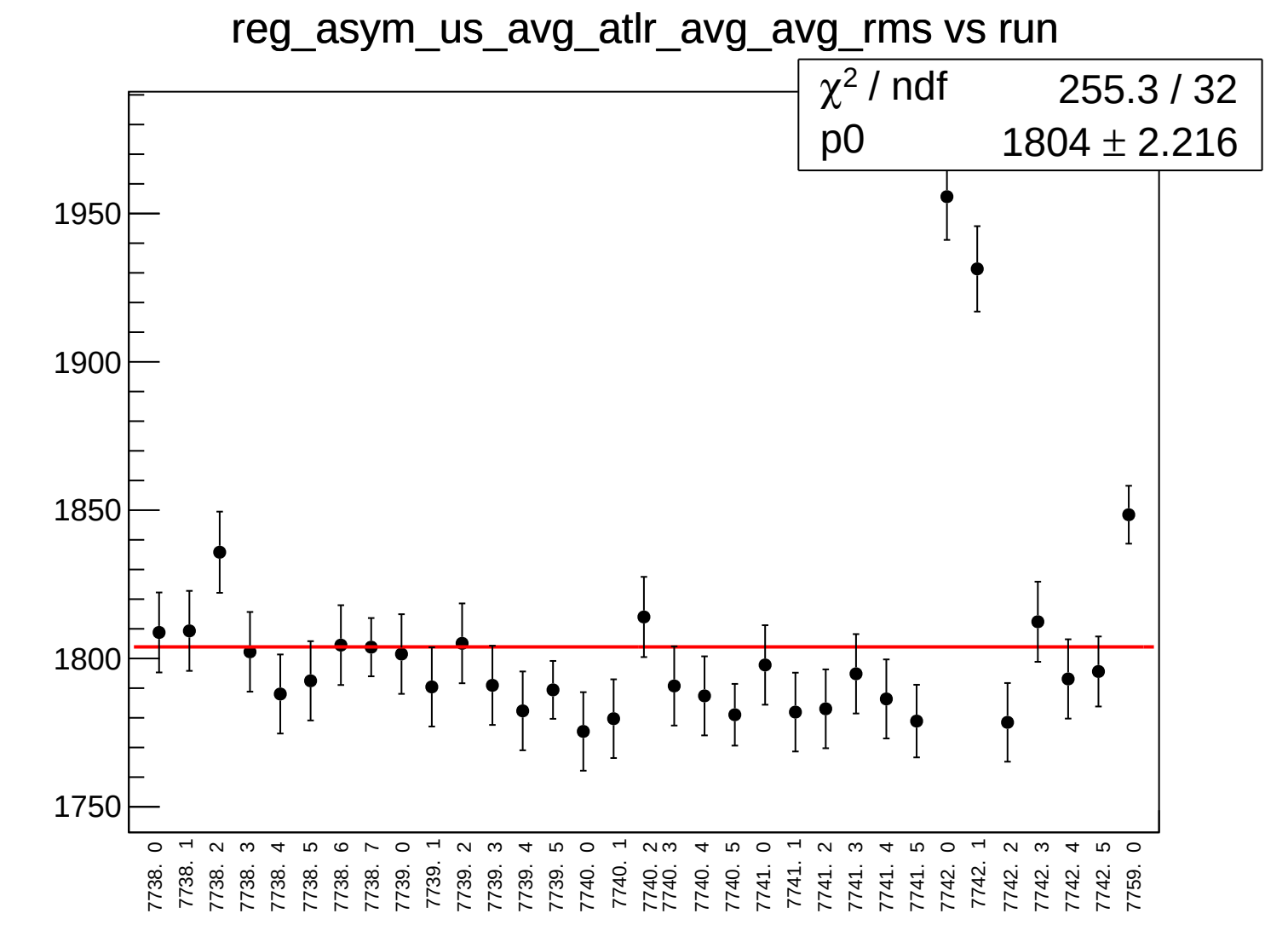

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.981e+04 / 32
p0 220.8 ± 0.2797
600
500
400
300
200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

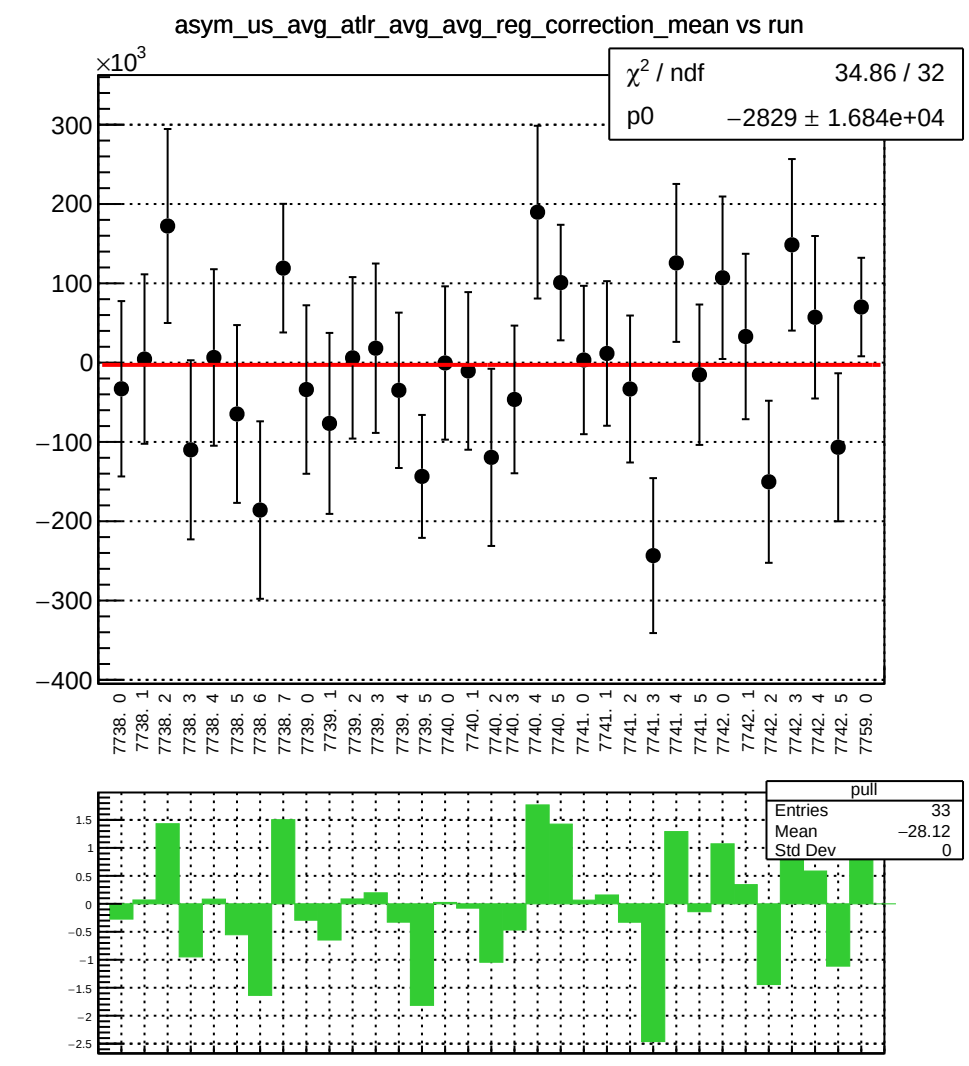

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 41.08 / 32
p0 1.903e−12 ± 1.426e−12
0.1
0.05
0
−0.05
−0.1
−0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −32.8
Std Dev 0
pull1D
Entries 33
Mean −0.03607
Std Dev 1.115

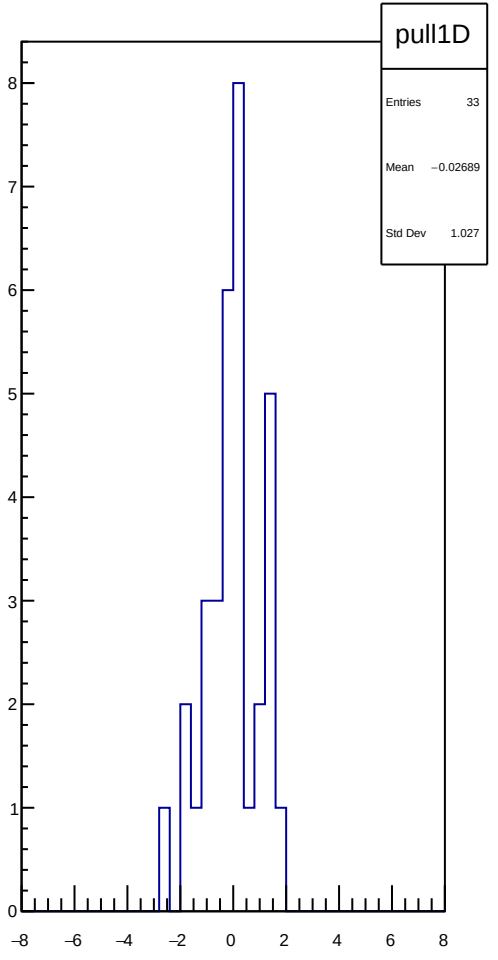

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.002e+05 / 32
p0 6.859e−10 ± 1.008e−12
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

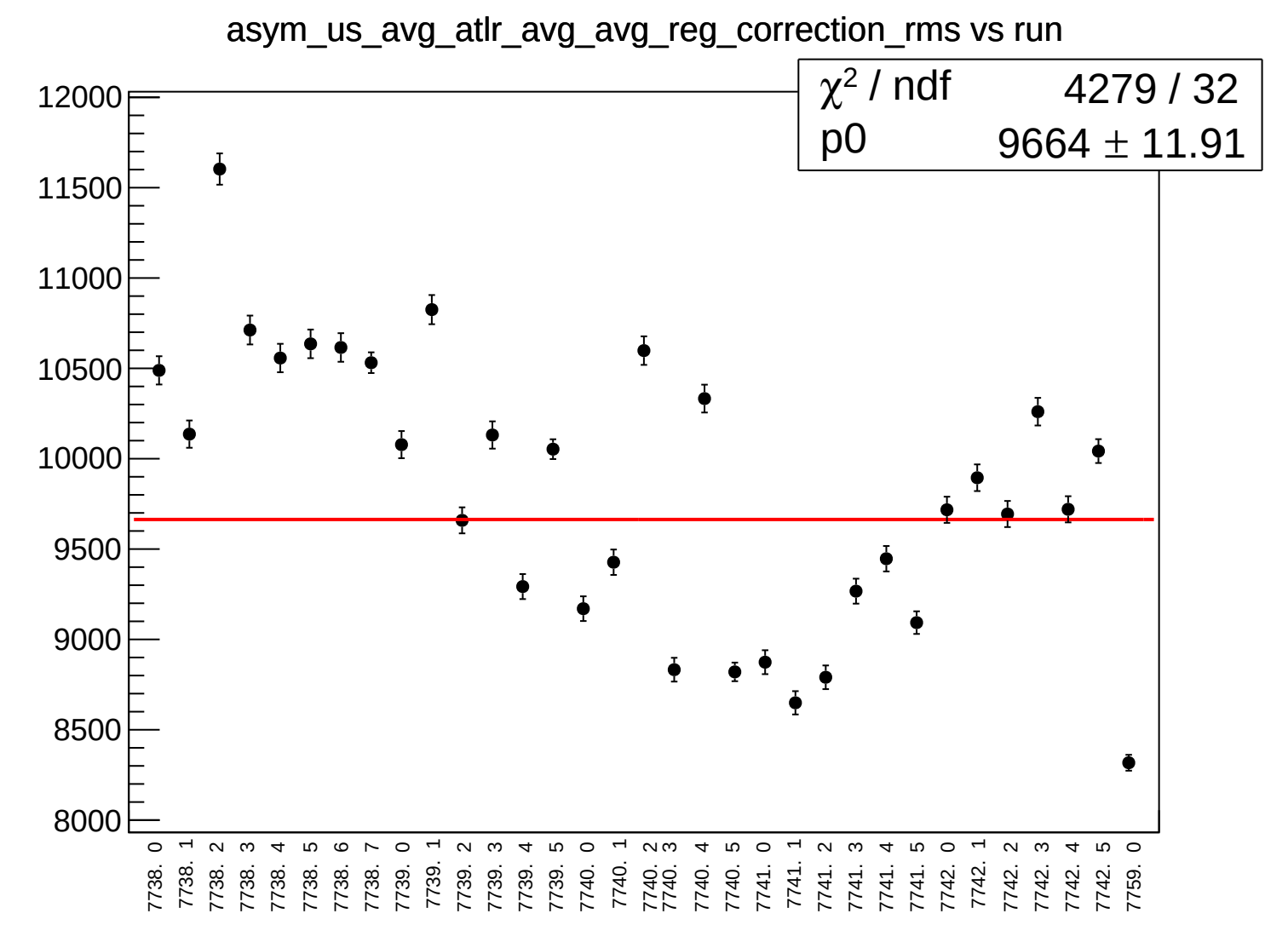

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 44.11 / 32
p0 −1130 ± 3134
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −104
Std Dev 0
2
1
0
−1
−2

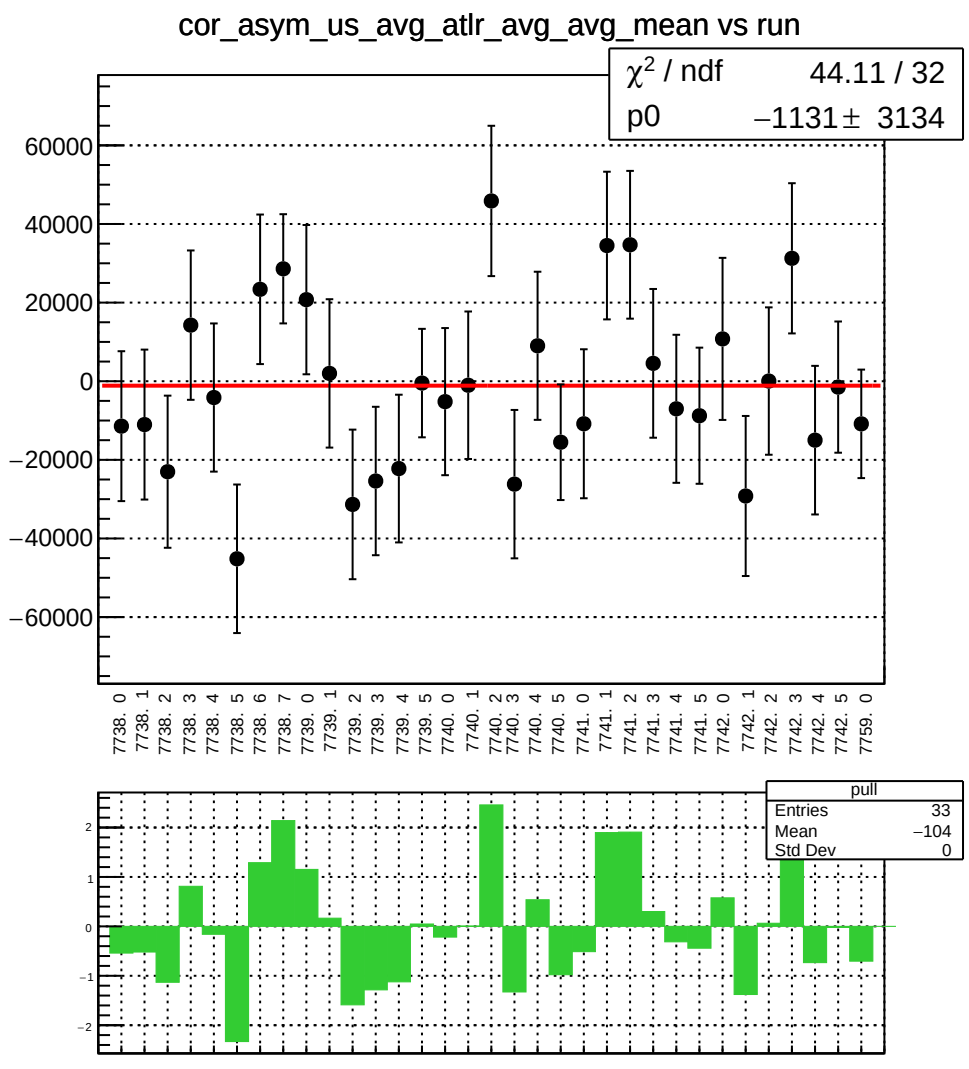

pull1D
Entries 33
Mean −0.007636
Std Dev 1.156
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

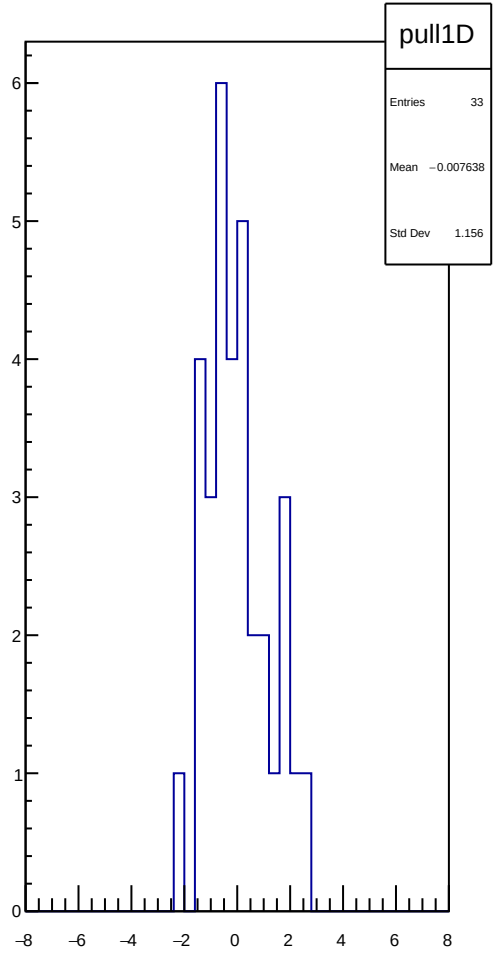

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 255.3 / 32
p0 1804 ± 2.216
1950
1900
1850
1800
1750
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

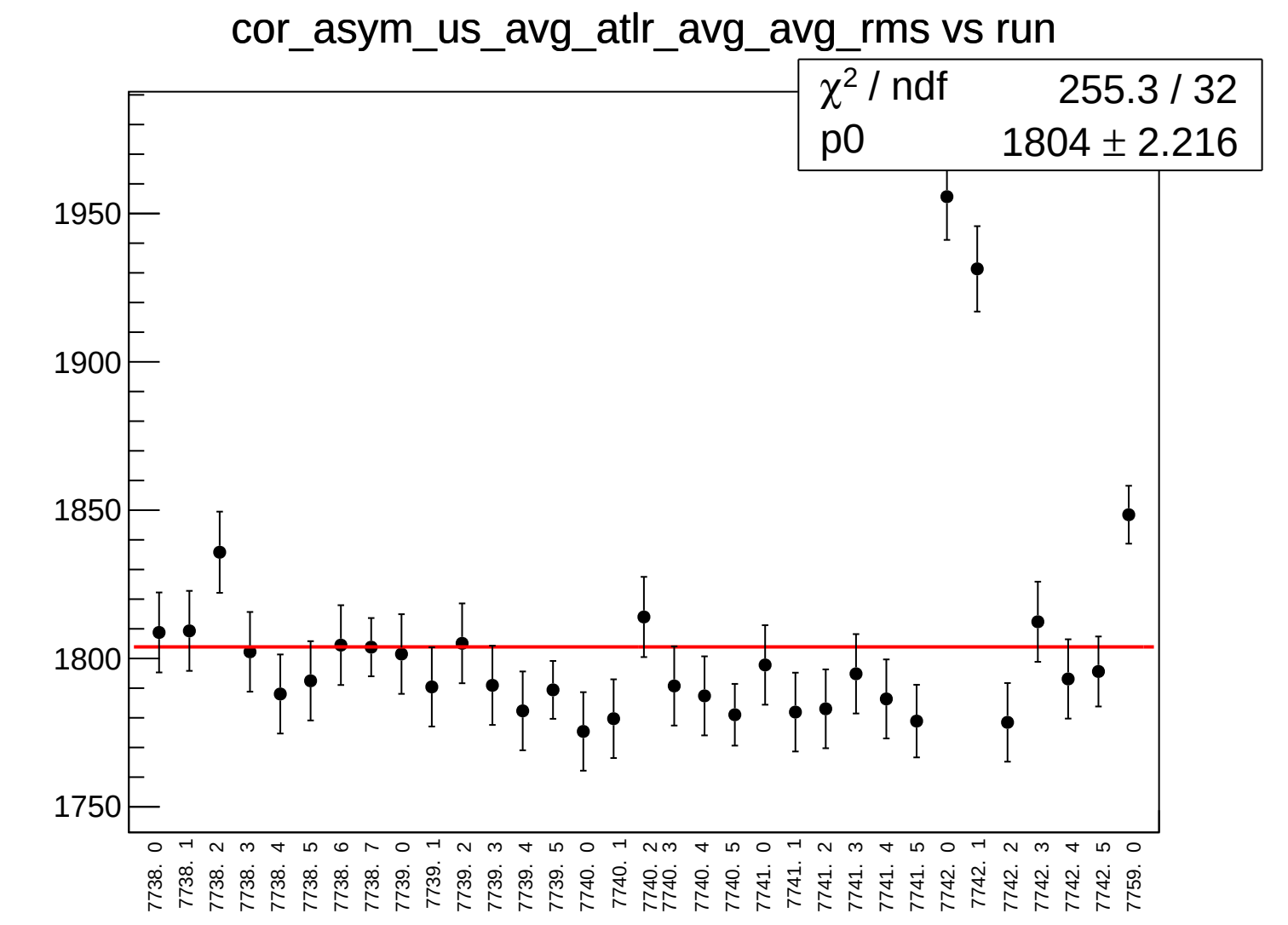

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.86 / 32
p0 −2829 ± 1.684e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

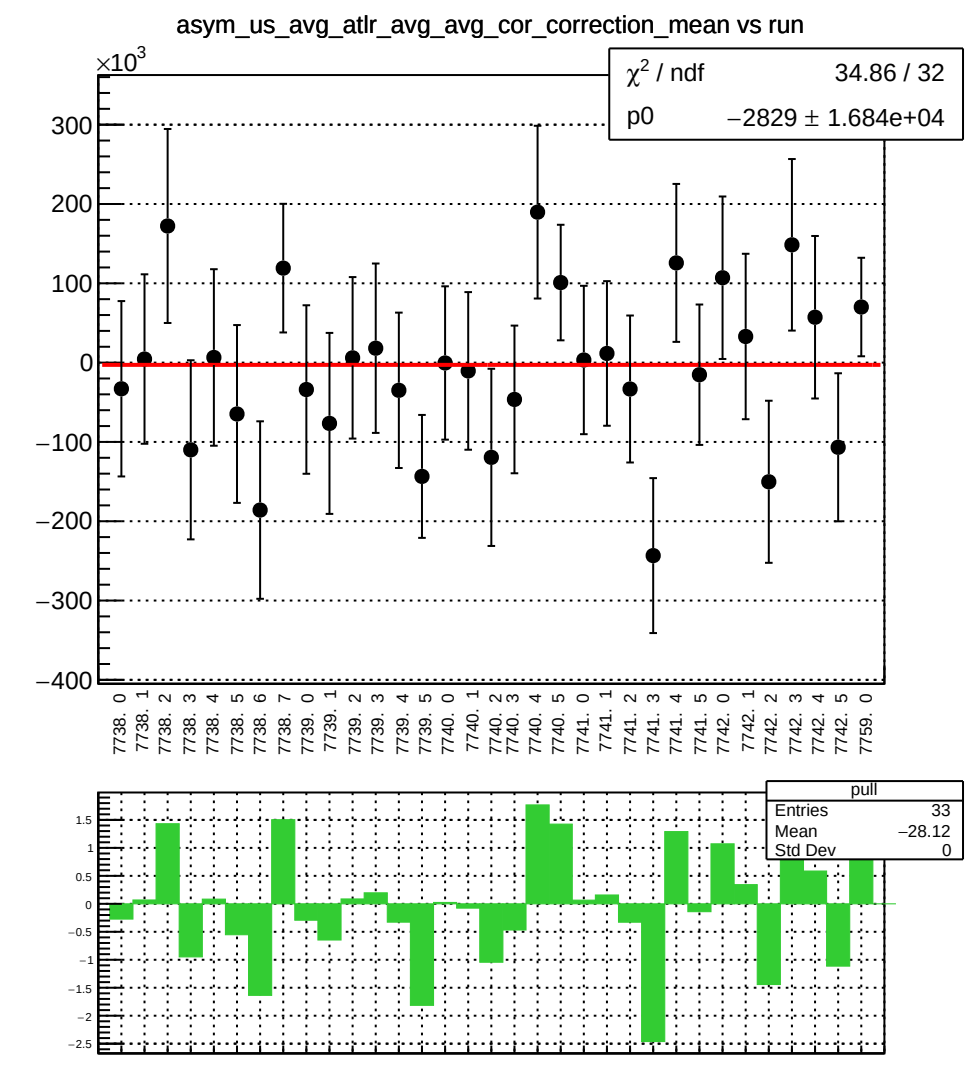

pull1D
Entries 33
Mean −0.02689
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

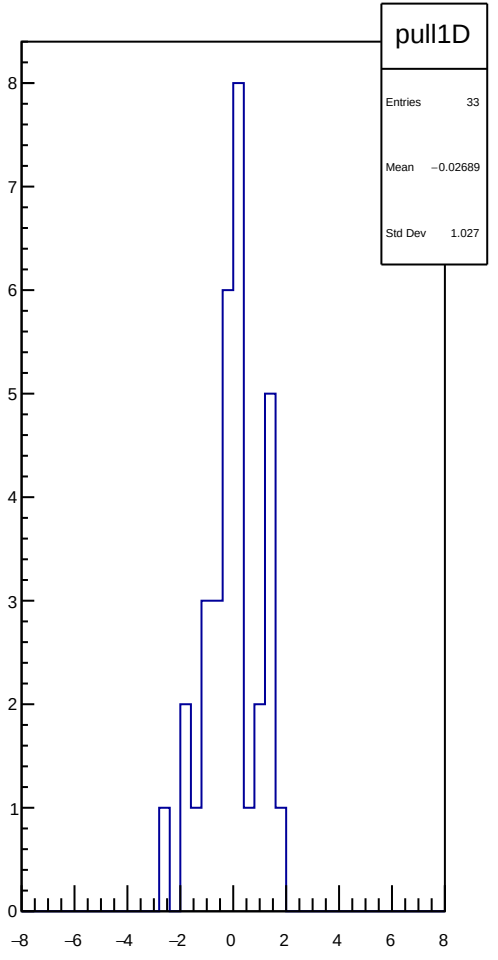

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 4279 / 32
p0 9664 ± 11.91
12000
11500
11000
10500
10000
9500
9000
8500
8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

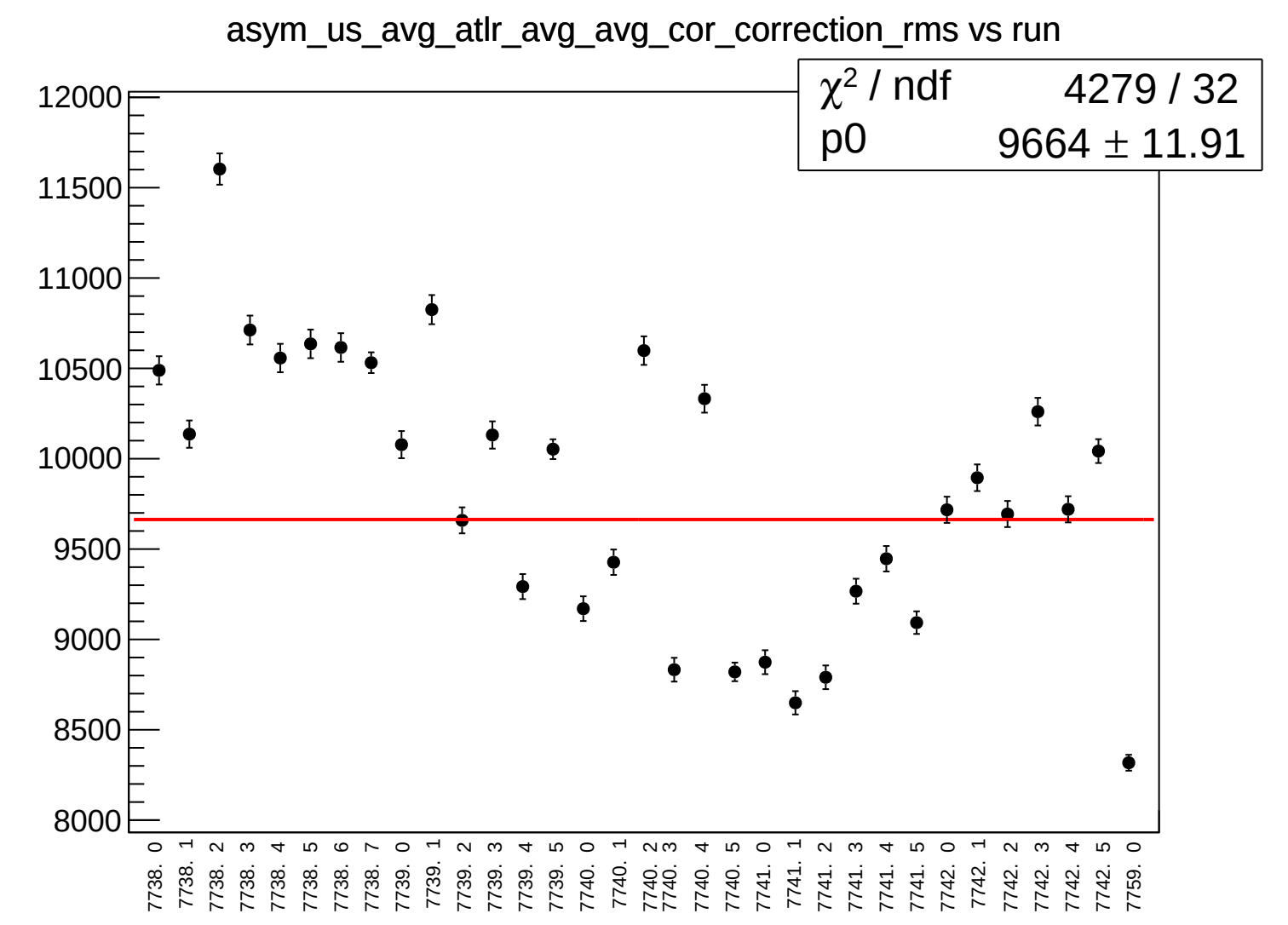

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 44.11 / 32
p0 −1131 ± 3134
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −104
Std Dev 0
2
1
0
−1
−2

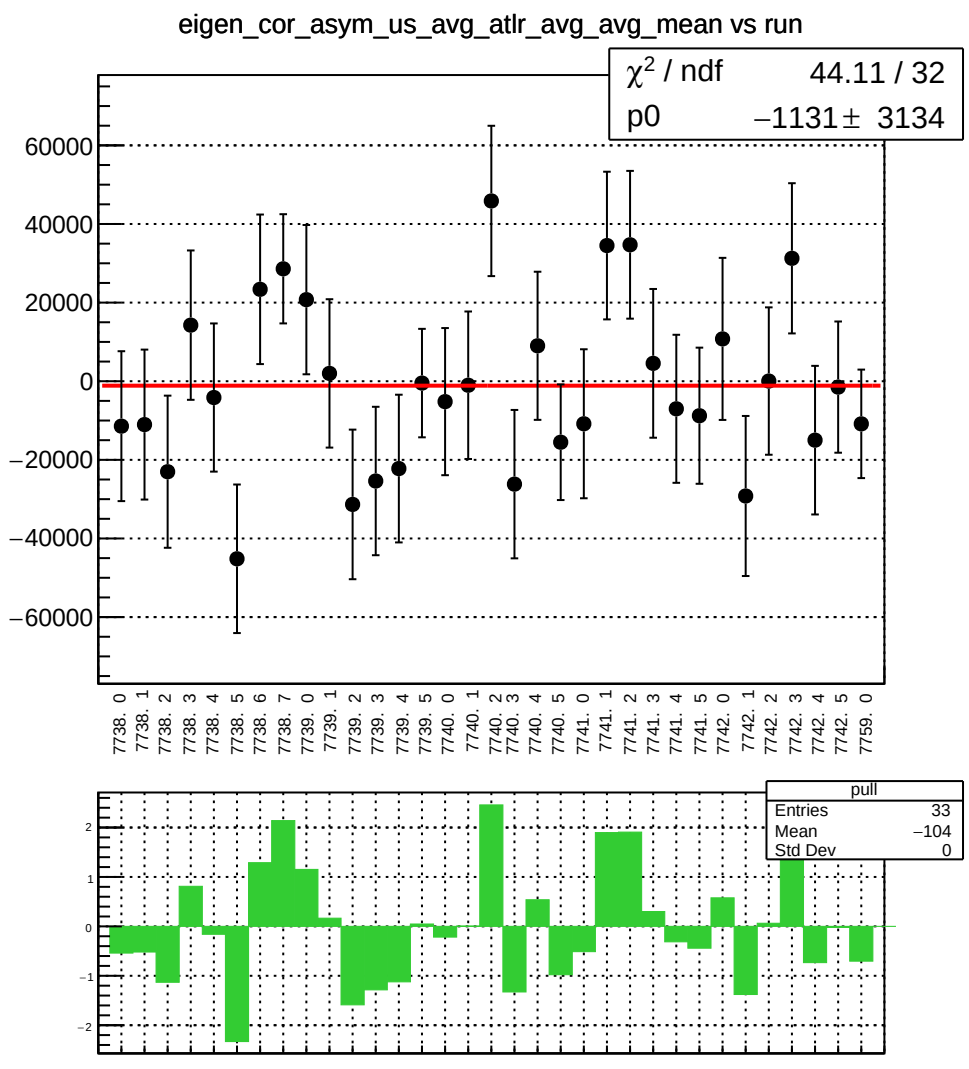

pull1D
Entries 33
Mean −0.007638
Std Dev 1.156
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

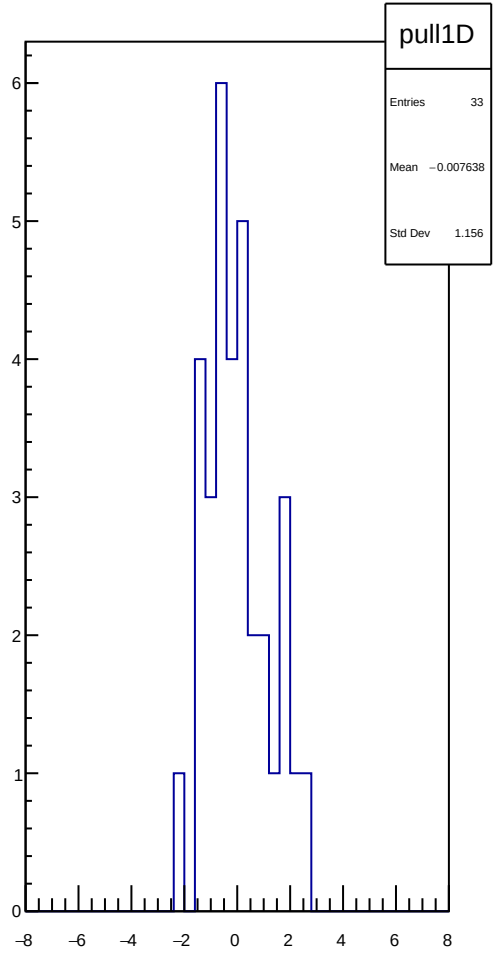

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 255.3 / 32
p0 1804 ± 2.216
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

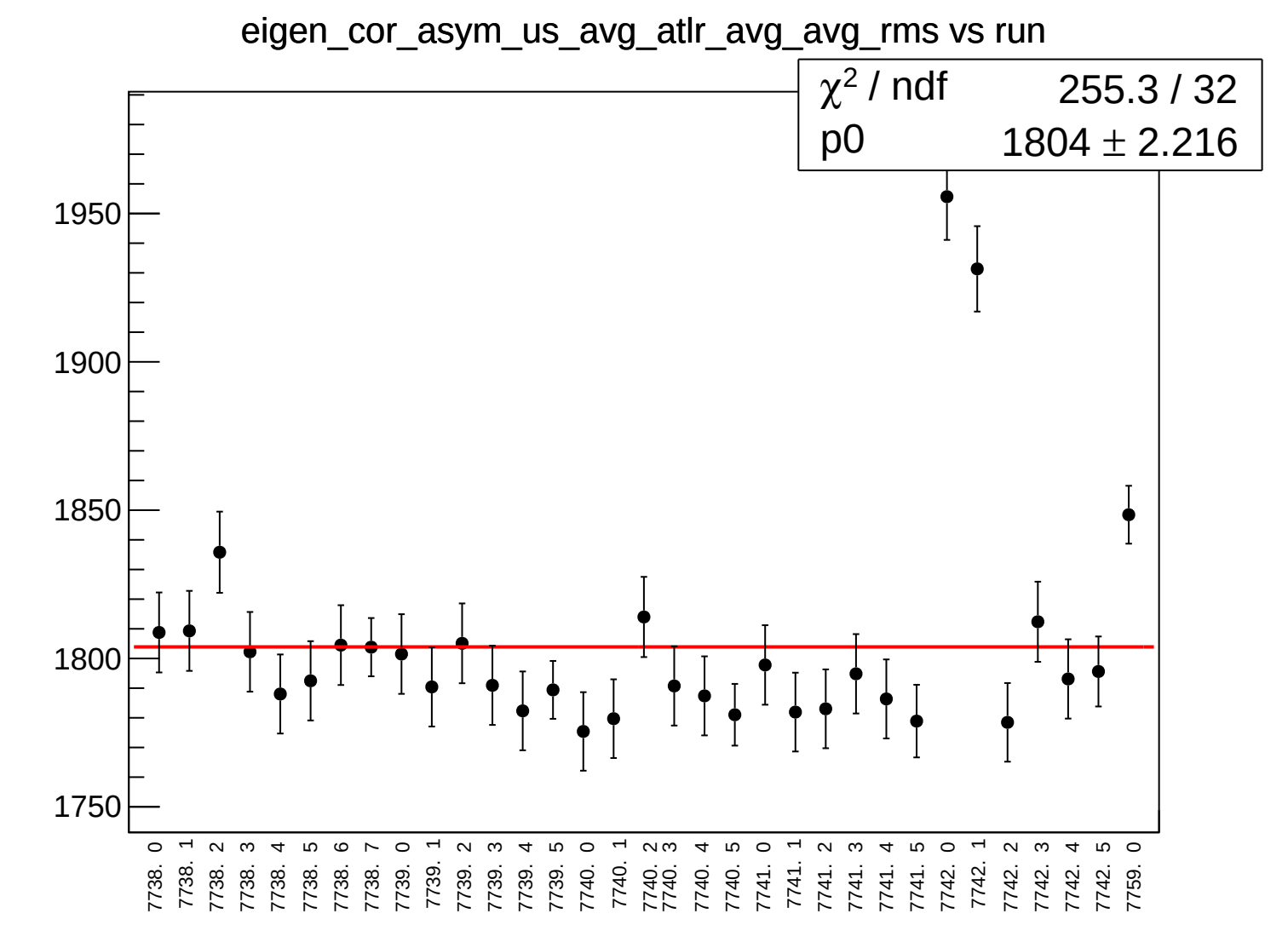

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.86 / 32
p0 −2829 ± 1.684e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

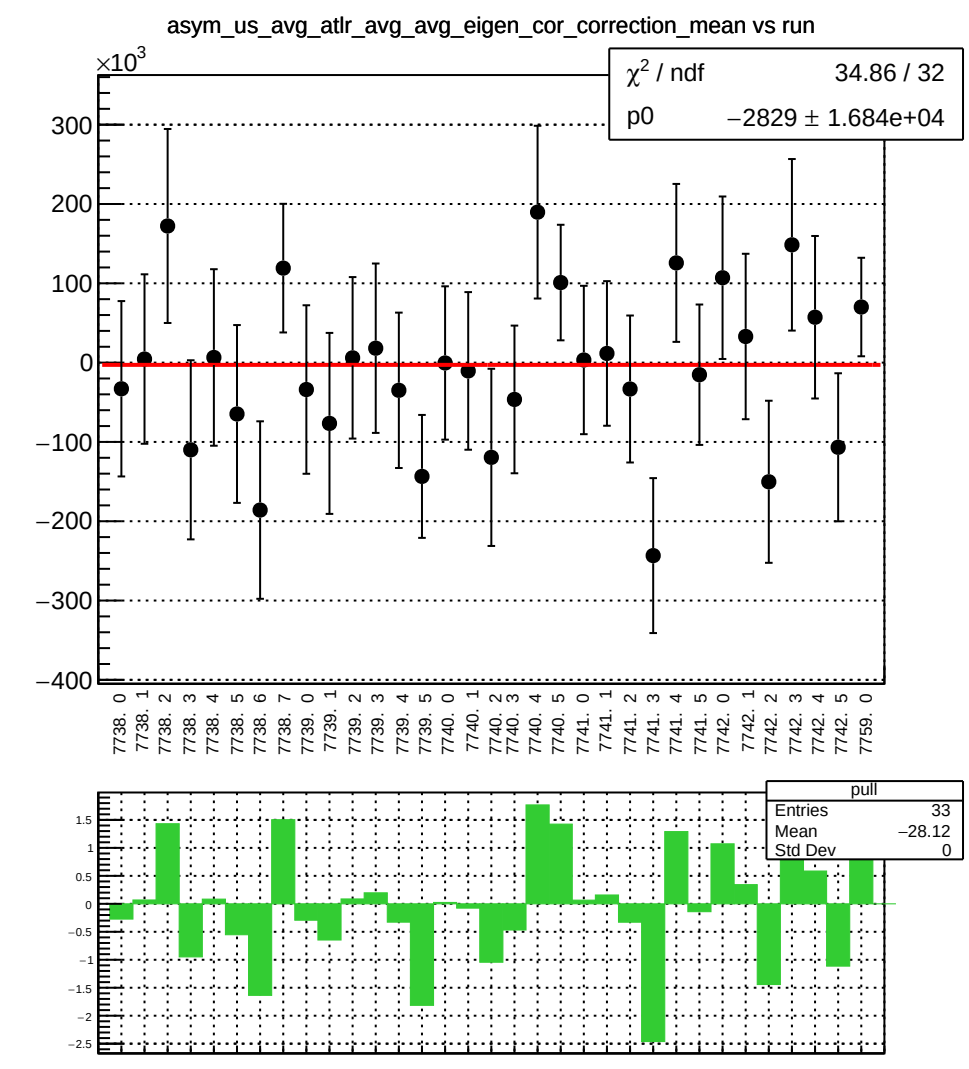

pull1D
Entries 33
Mean −0.02689
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

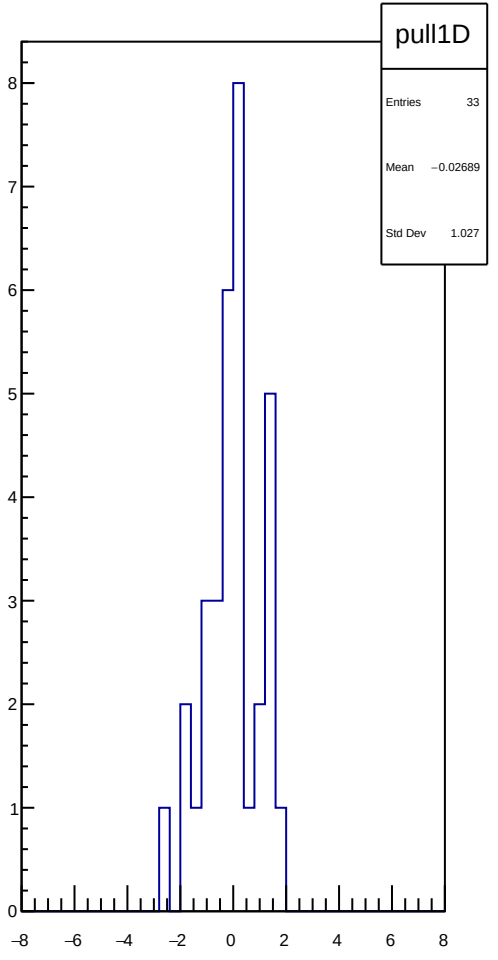

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 4279 / 32
p0 9664 ± 11.91
12000
11500
11000
10500
10000
9500
9000
8500
8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

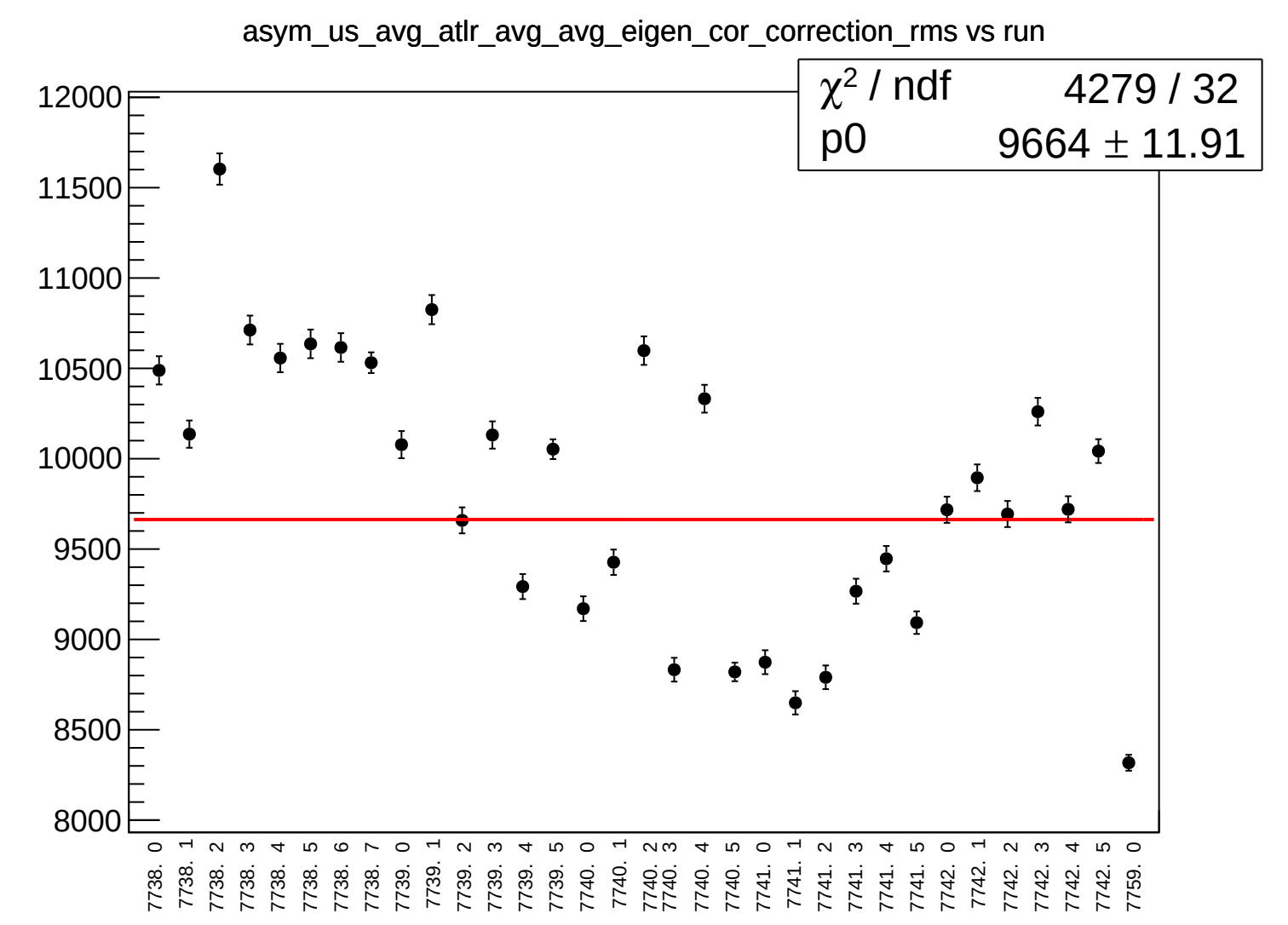

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 44.11 / 32
p0 −1131 ± 3134
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −104
Std Dev 0
2
1
0
−1
−2

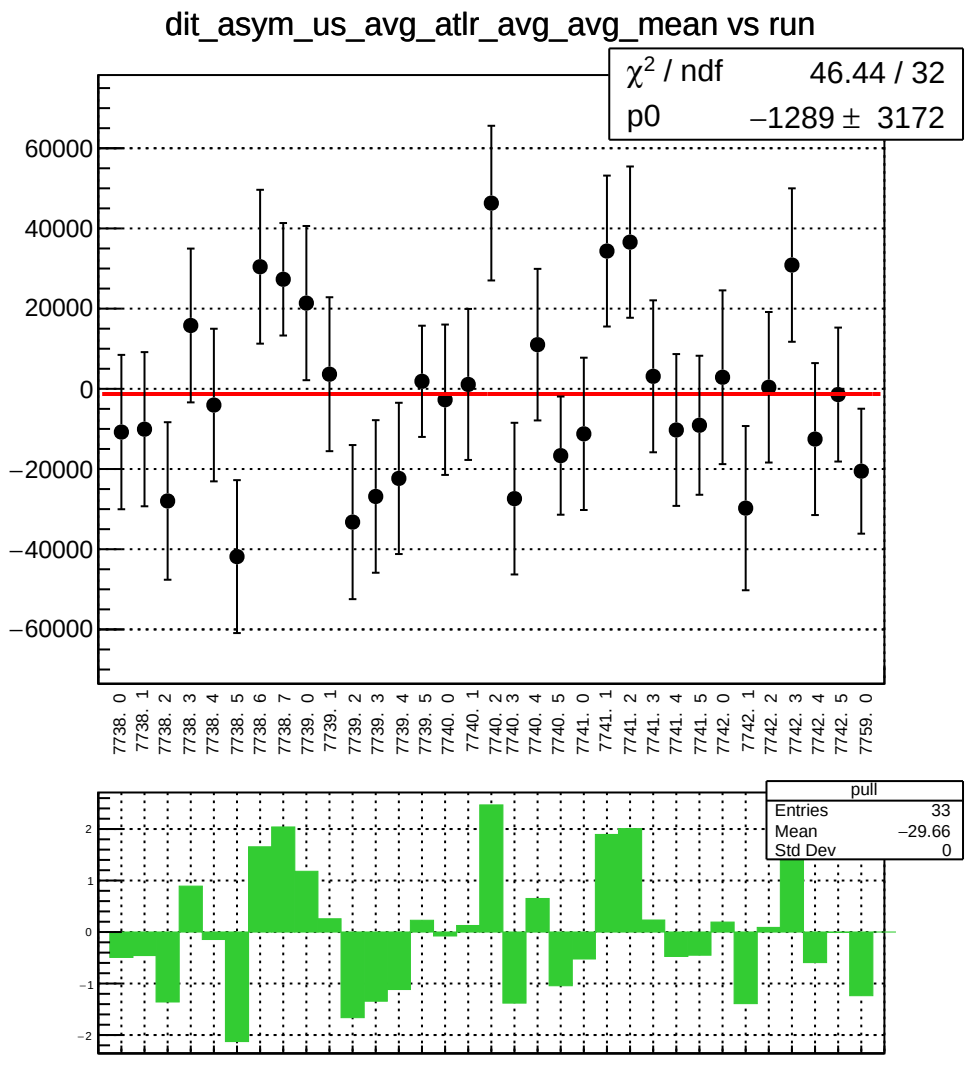

pull1D
Entries 33
Mean −0.007638
Std Dev 1.156
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

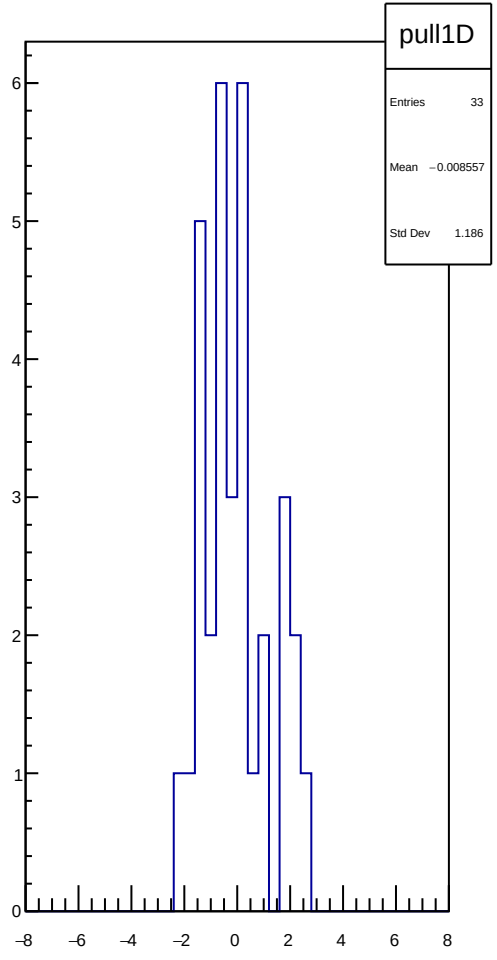

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 255.3 / 32
p0 1804 ± 2.216
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

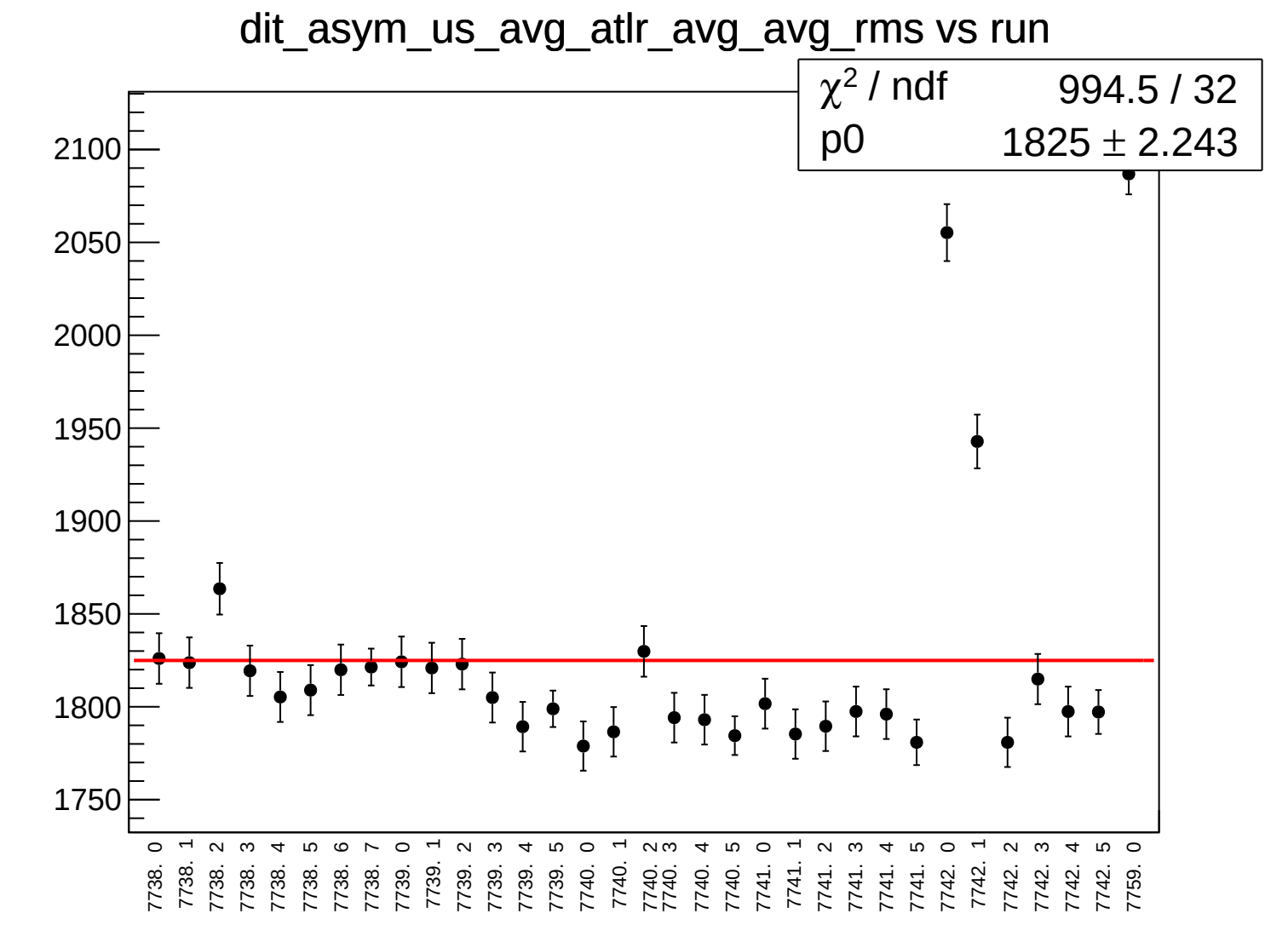

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.86 / 32
p0 −2829 ± 1.684e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

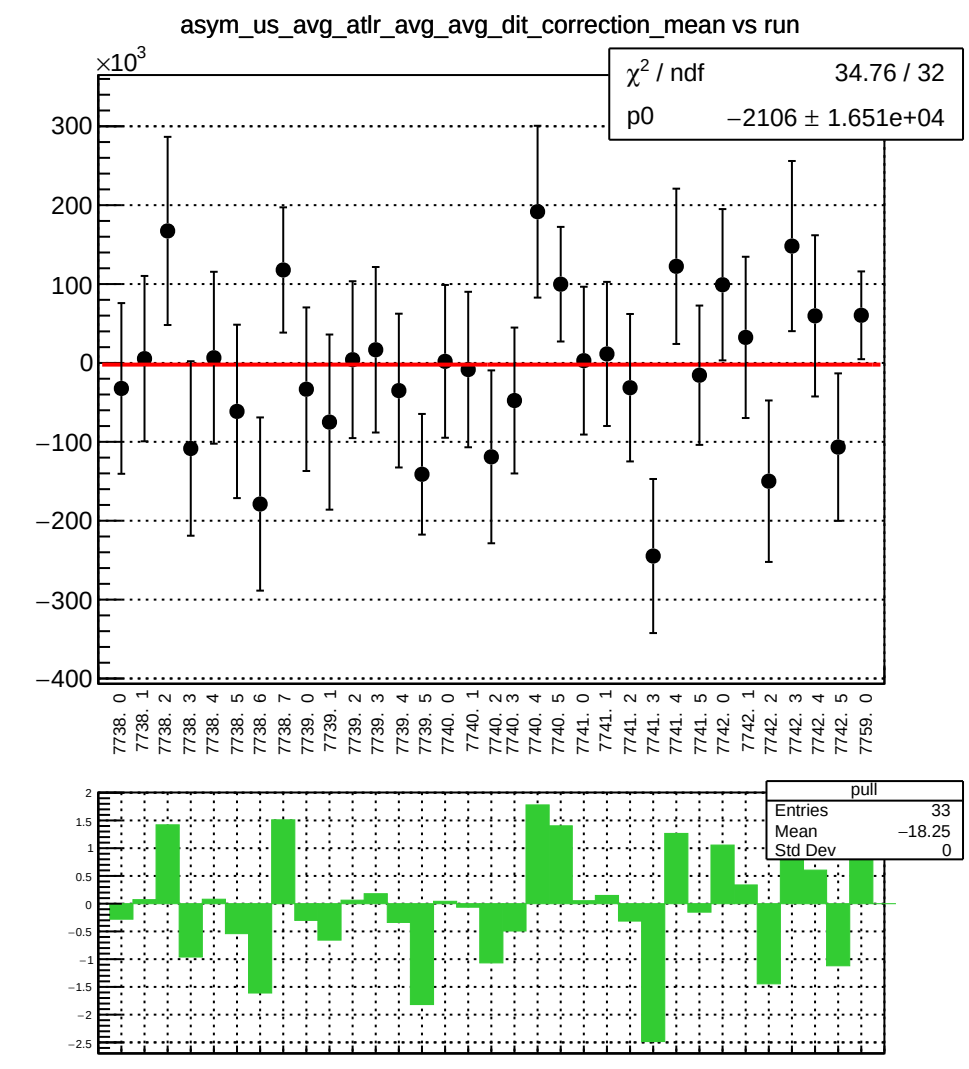

pull1D
Entries 33
Mean −0.02689
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

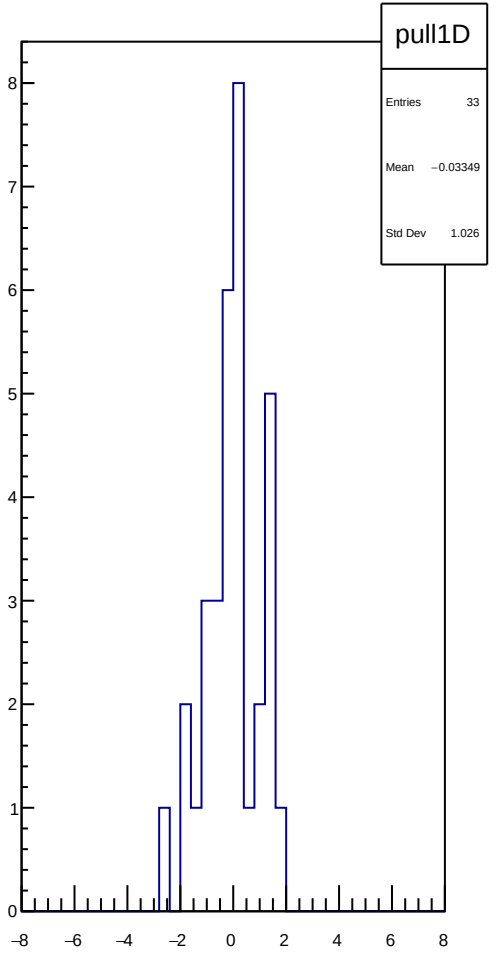

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 4279 / 32
p0 9664 ± 11.91
12000
11500
11000
10500
10000
9500
9000
8500
8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

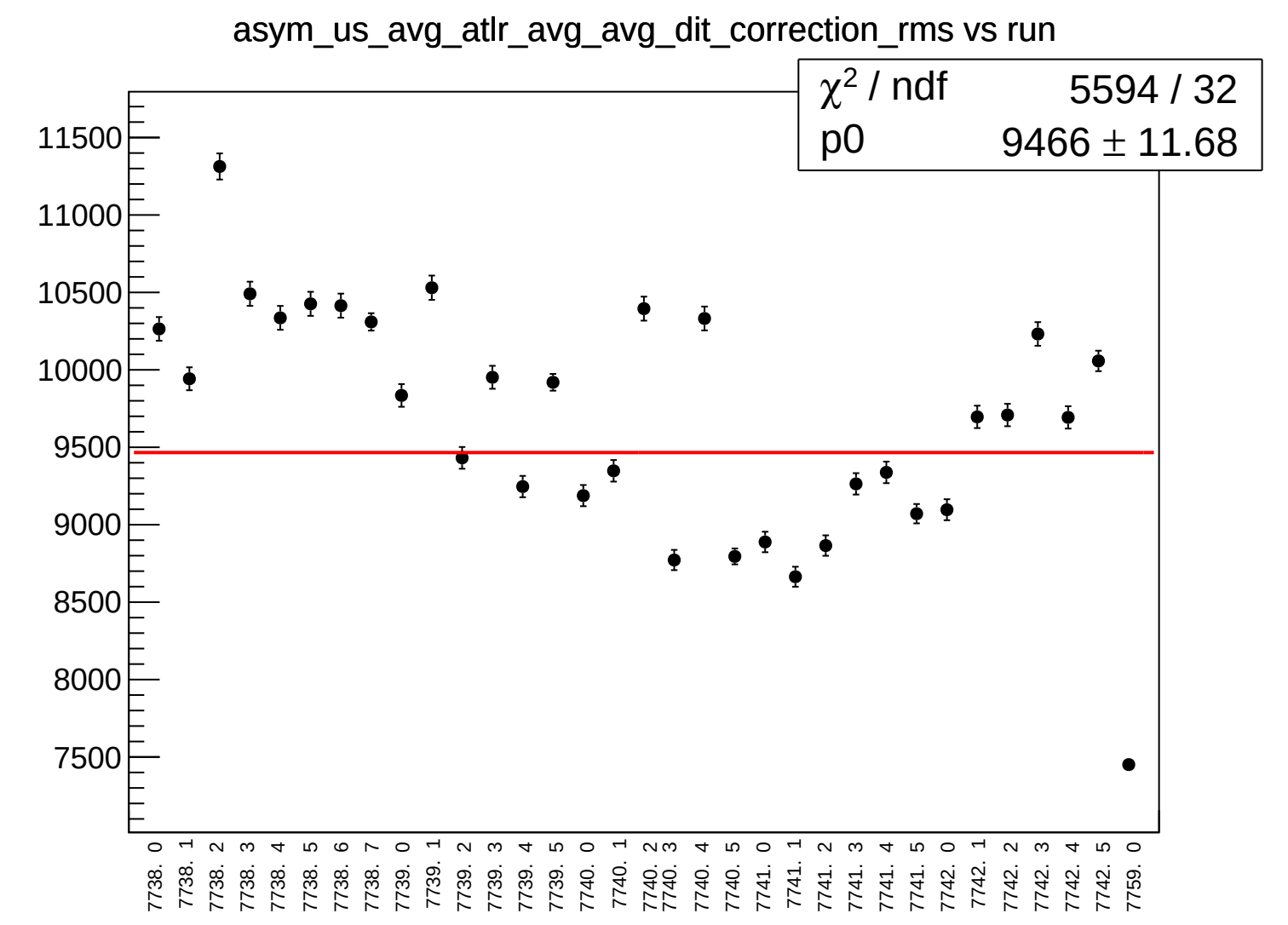

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 46.44 / 32
p0 −1289 ± 3172
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.66
Std Dev 0
2
1
0
−1
−2

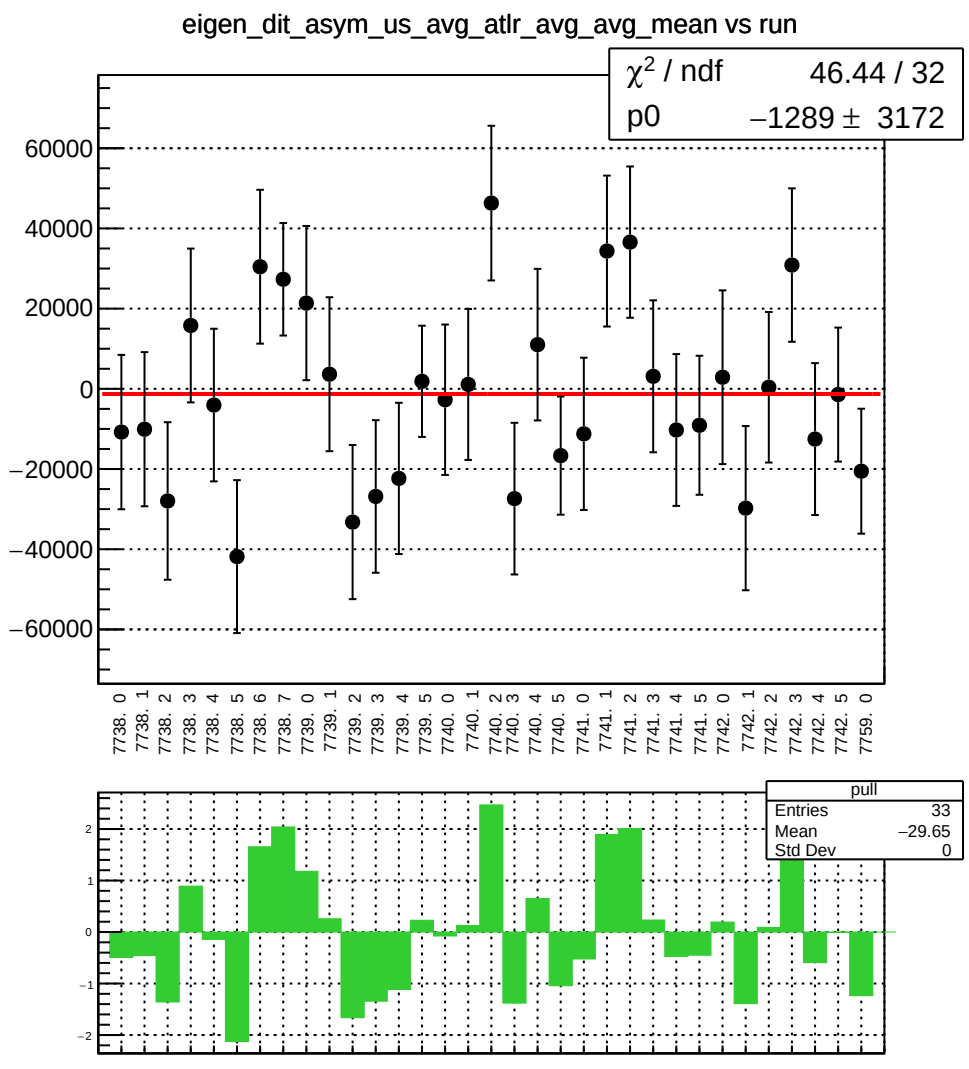

pull1D
Entries 33
Mean −0.008557
Std Dev 1.186
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

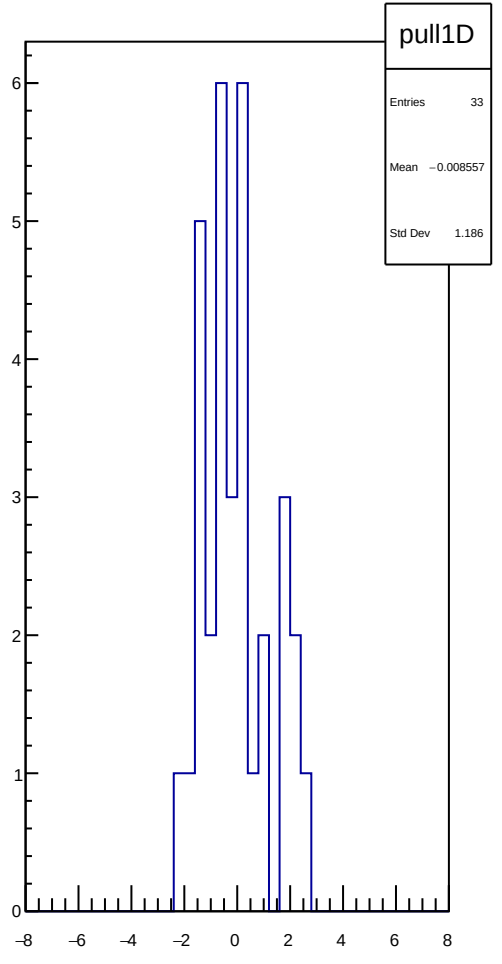

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 994.5 / 32
p0 1825 ± 2.243
2100
2050
2000
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

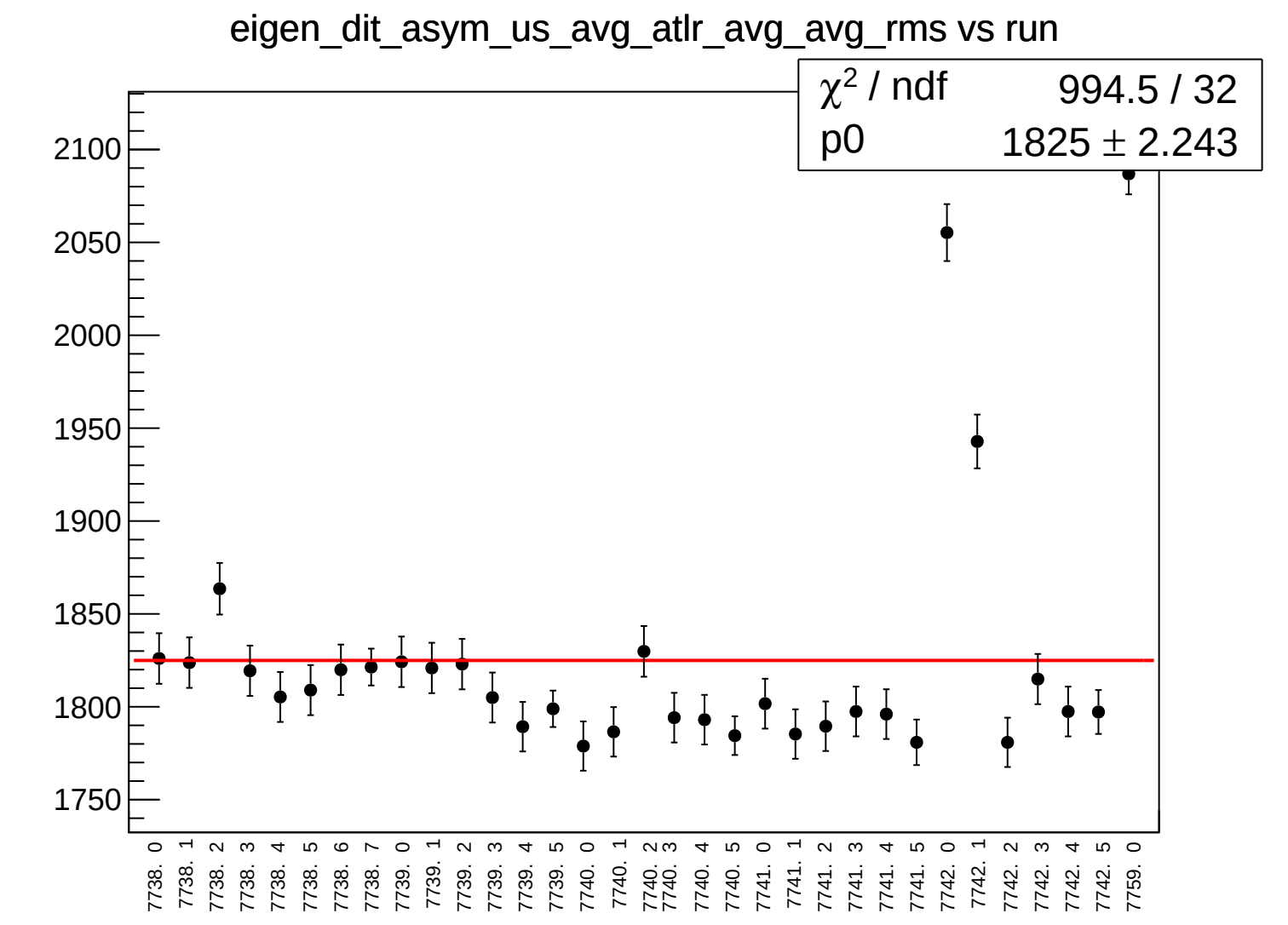

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 34.76 / 32
p0 −2106 ± 1.651e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

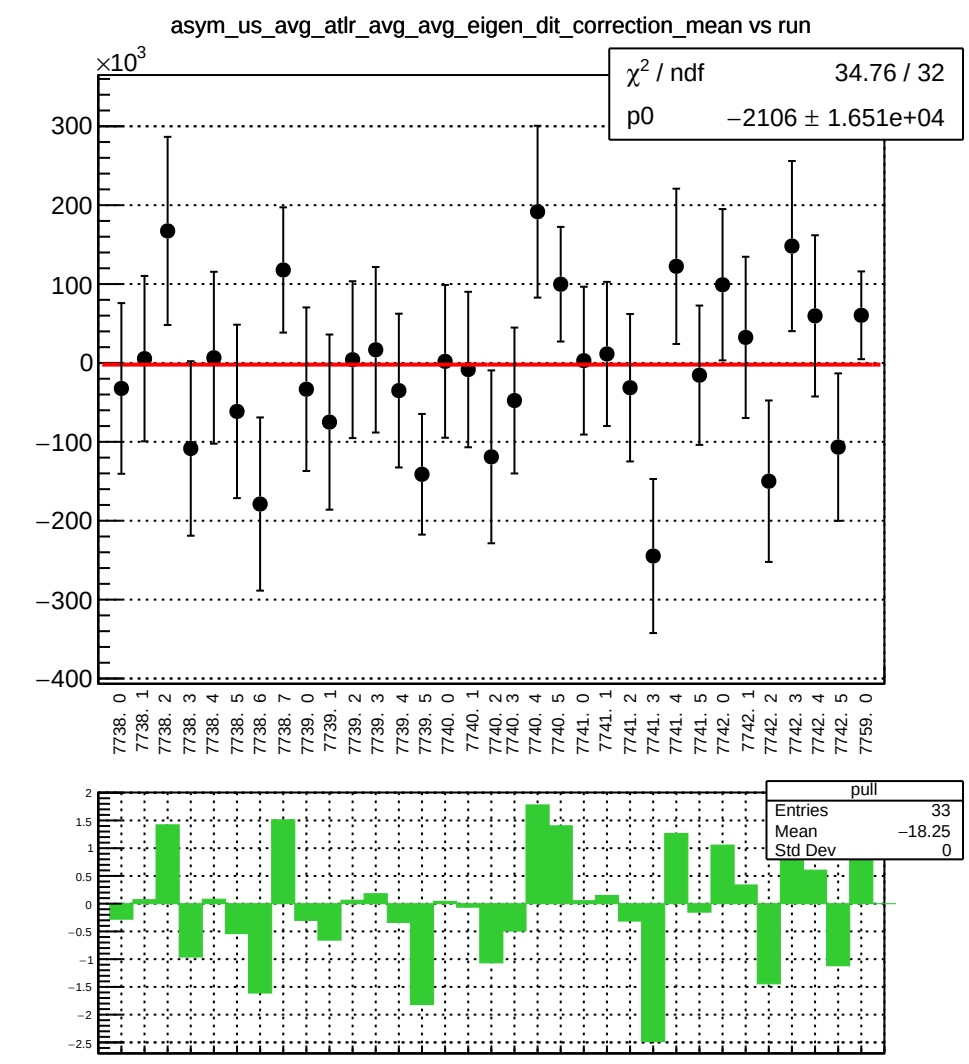

pull1D
Entries 33
Mean −0.03349
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

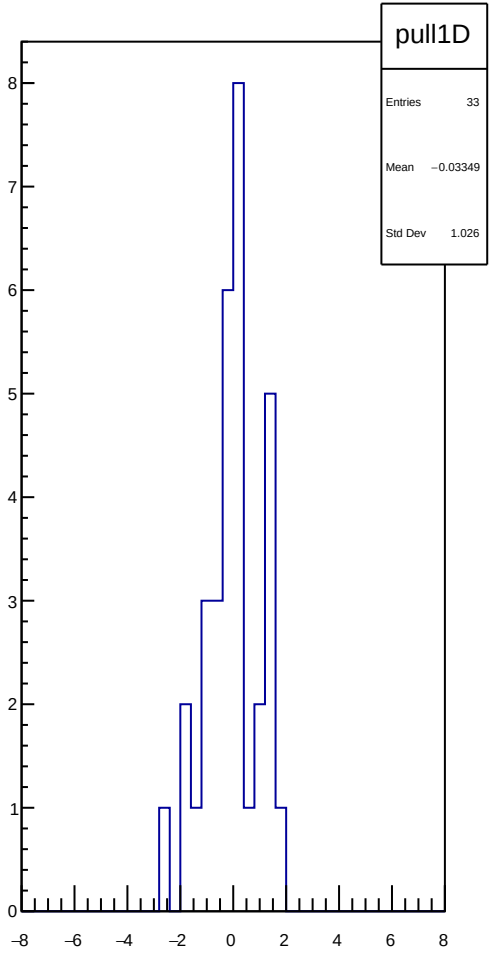

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 5594 / 32
p0 9466 ± 11.68
11500
11000
10500
10000
9500
9000
8500
8000
7500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

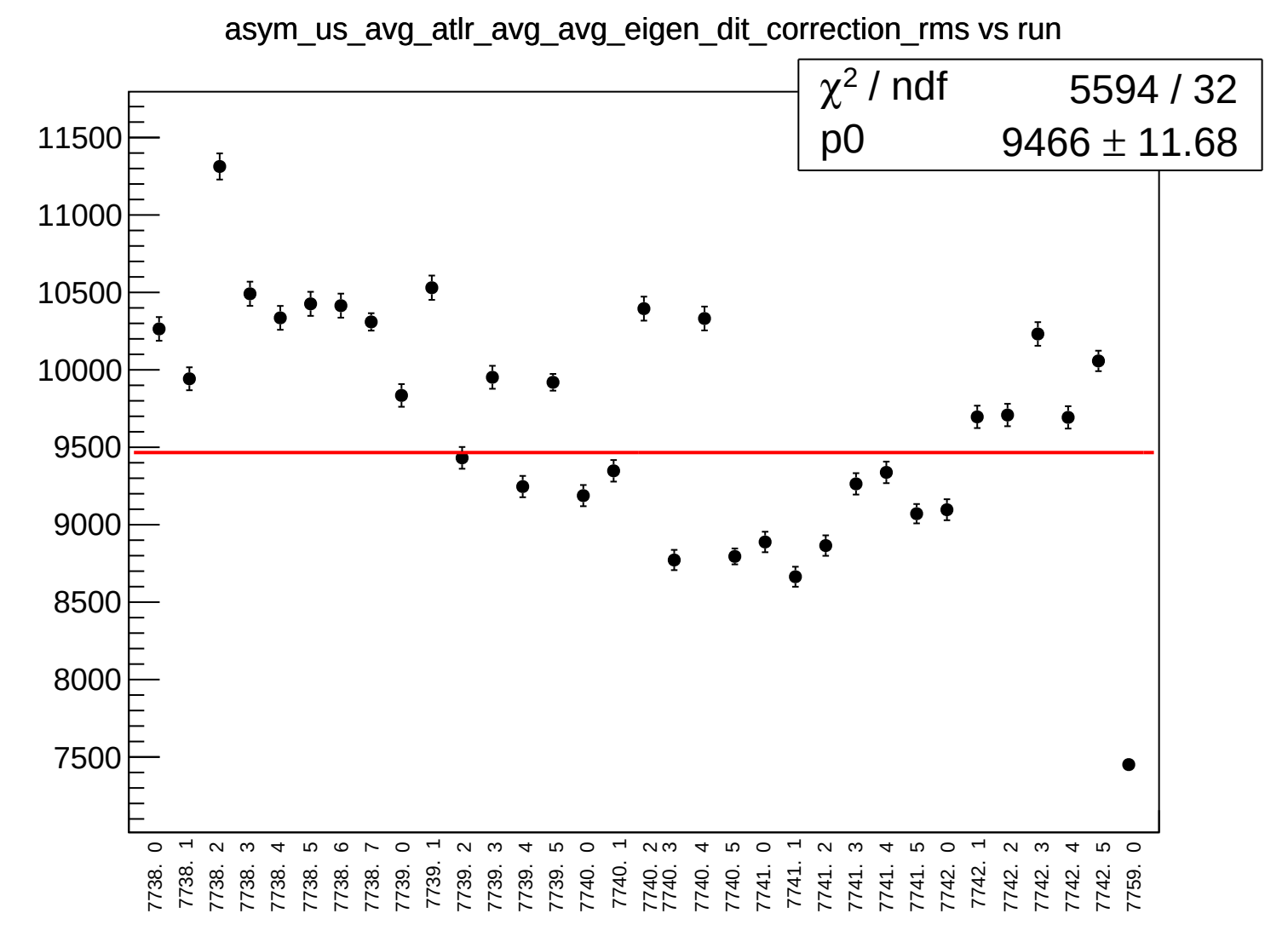

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 46.44 / 32
p0 −1289 ± 3172
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.65
Std Dev 0
2
1
0
−1
−2

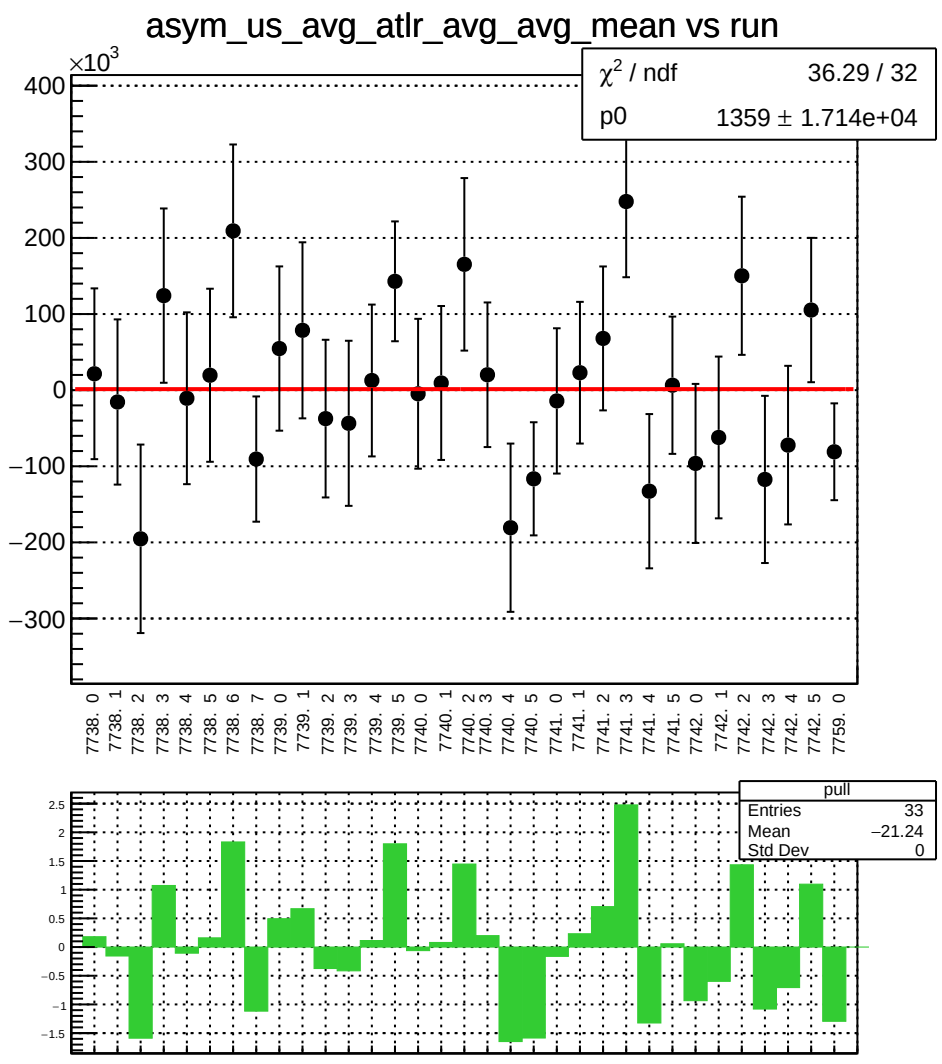

pull1D
Entries 33
Mean −0.008557
Std Dev 1.186
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

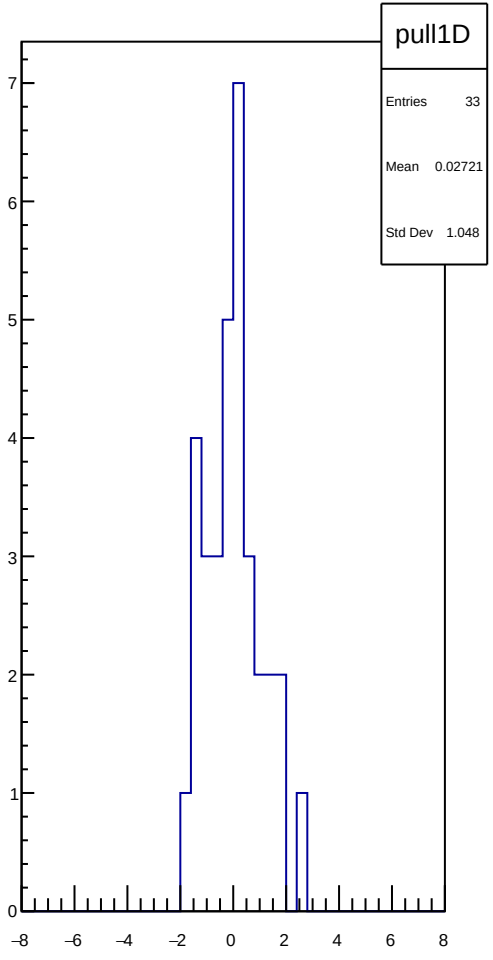

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 994.5 / 32
p0 1825 ± 2.243
2100
2050
2000
1950
1900
1850
1800
1750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

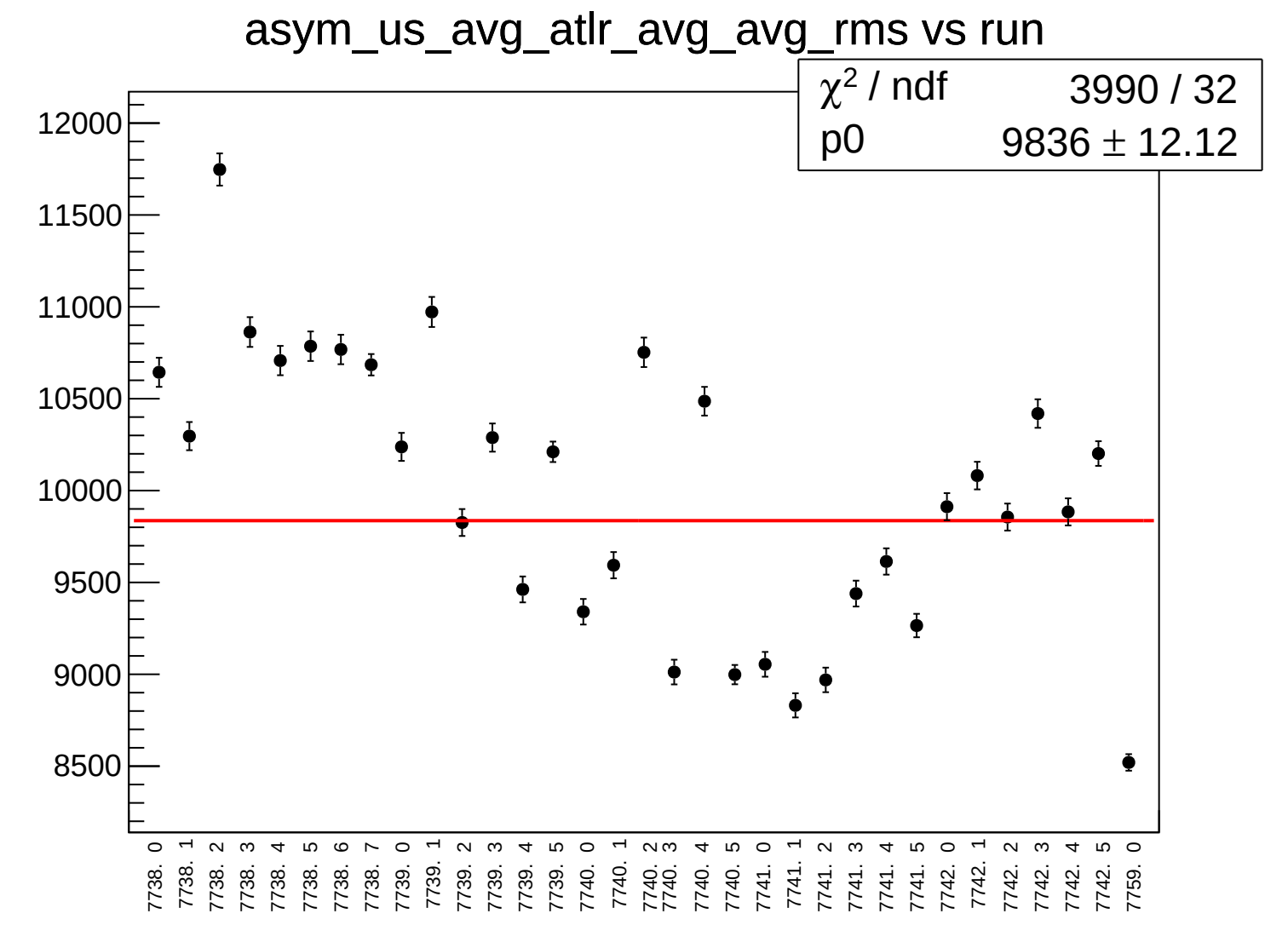

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.76 / 32
p0 −2106 ± 1.651e+04
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

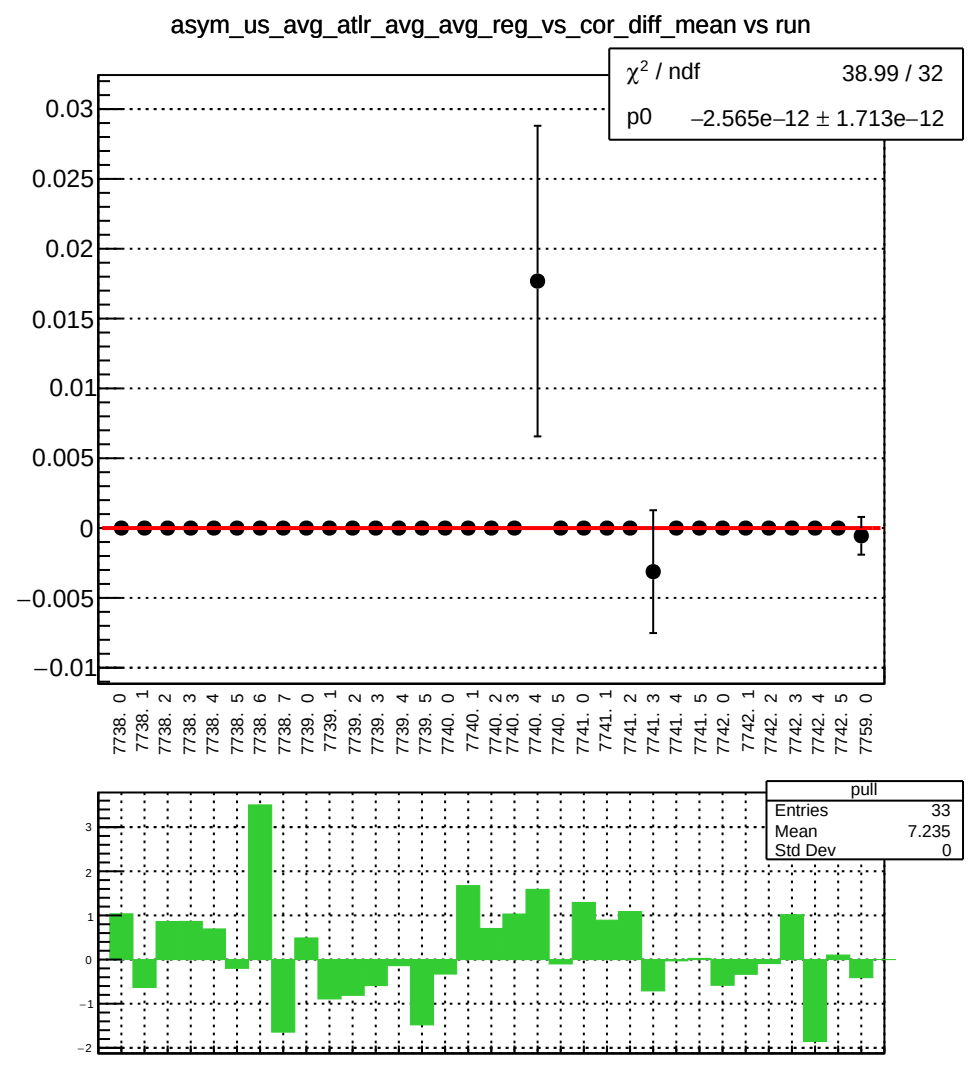

pull1D
Entries 33
Mean −0.03349
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

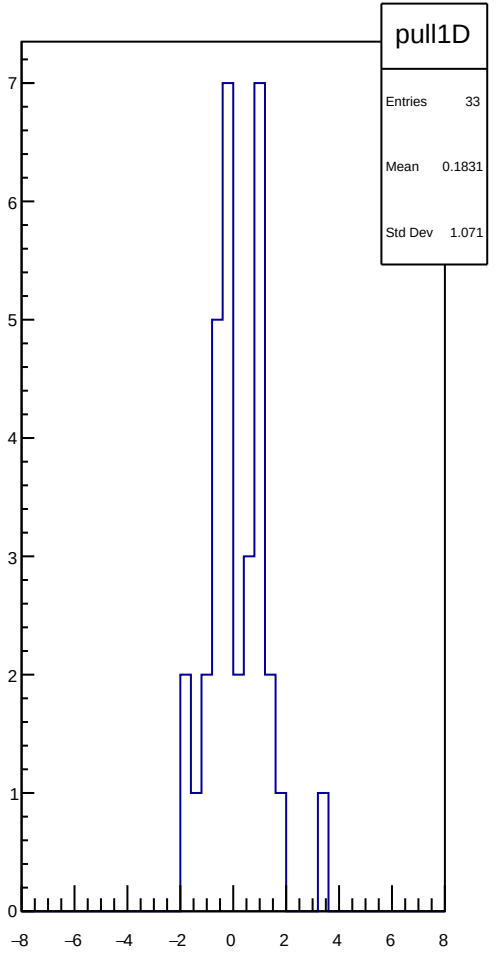

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 5594 / 32
p0 9466 ± 11.68
11500
11000
10500
10000
9500
9000
8500
8000
7500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

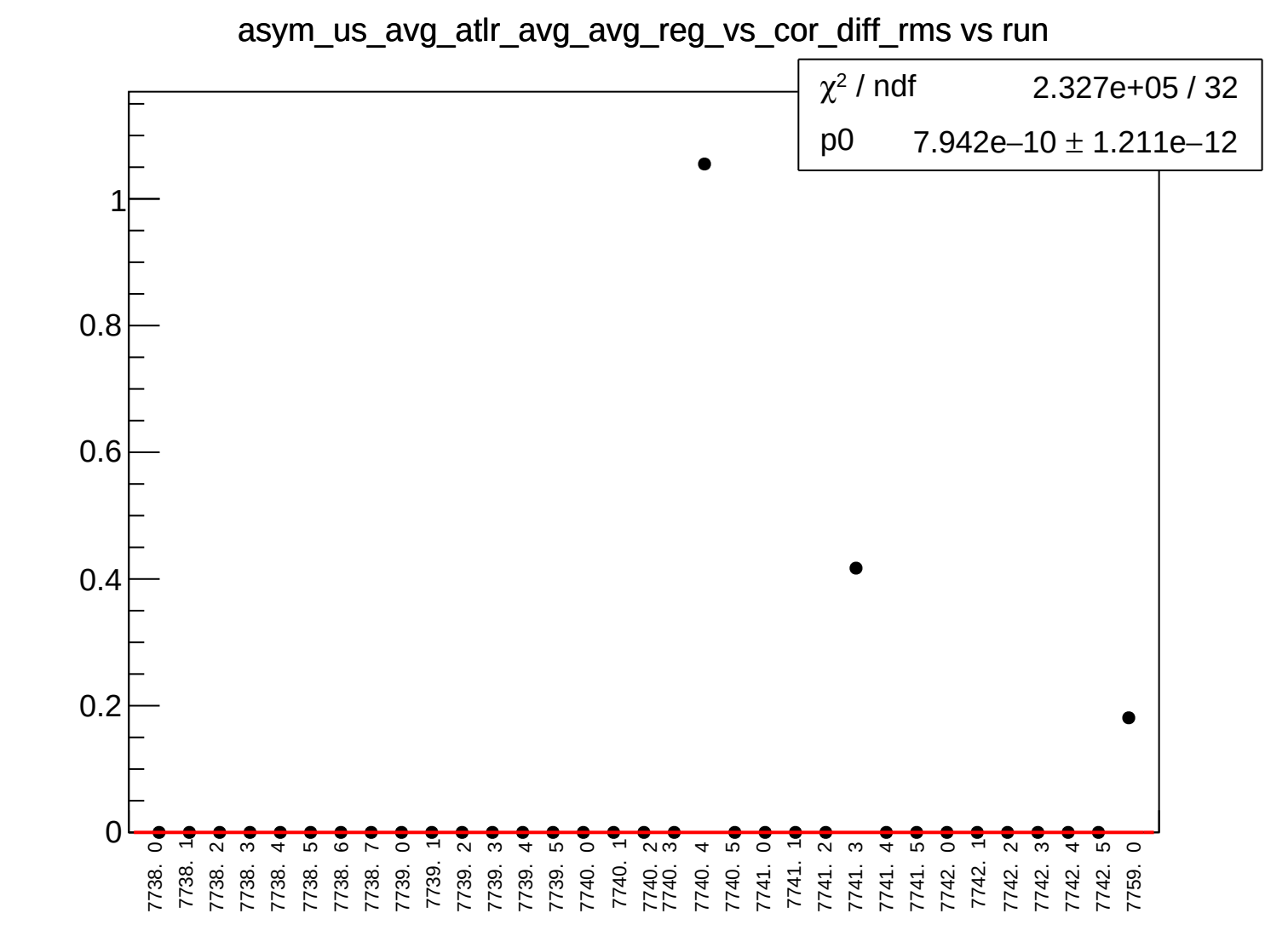

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 36.29 / 32
p0 1359 ± 1.714e+04
400
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

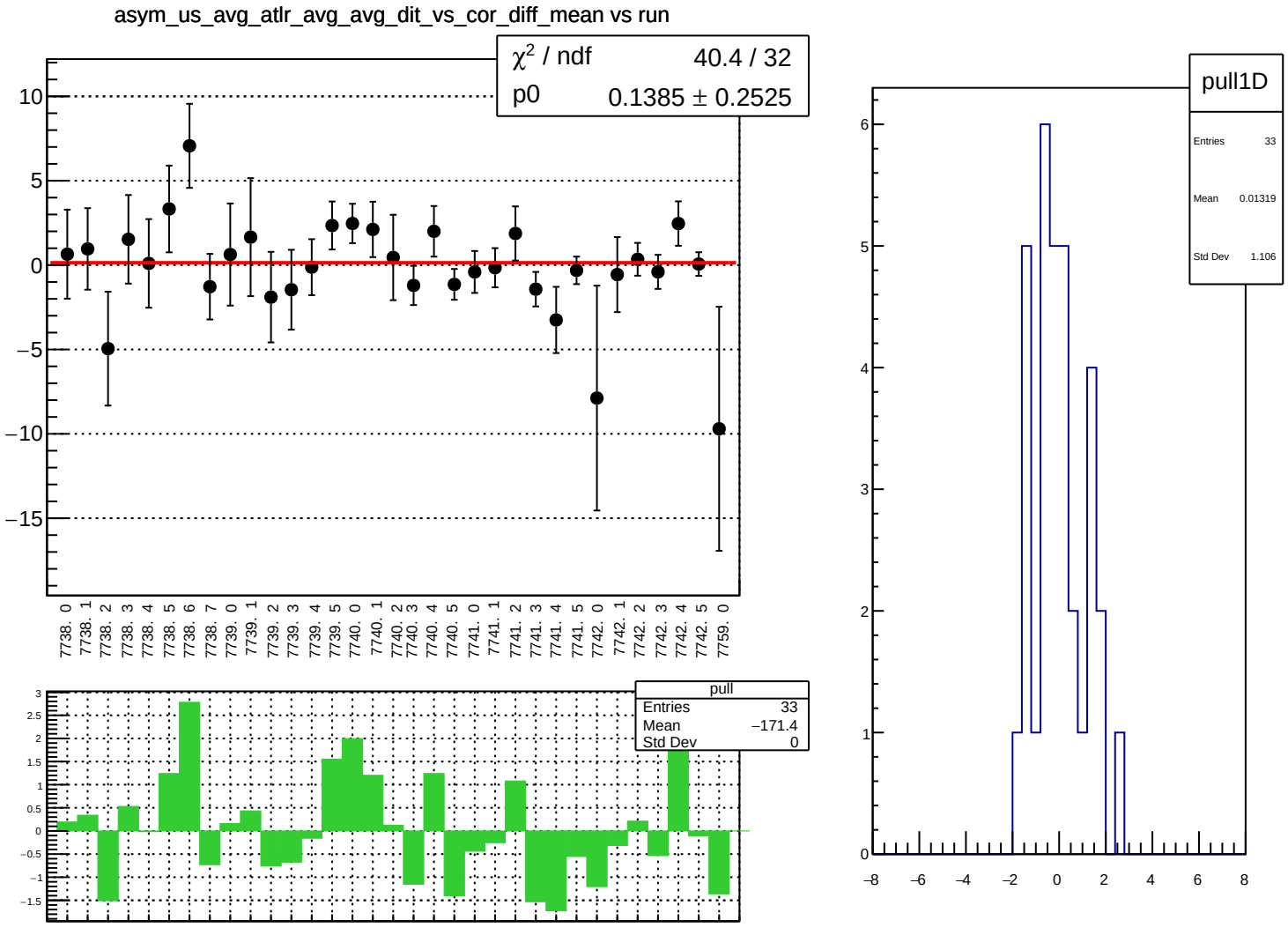

pull1D
Entries 33
Mean 0.02721
Std Dev 1.048
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

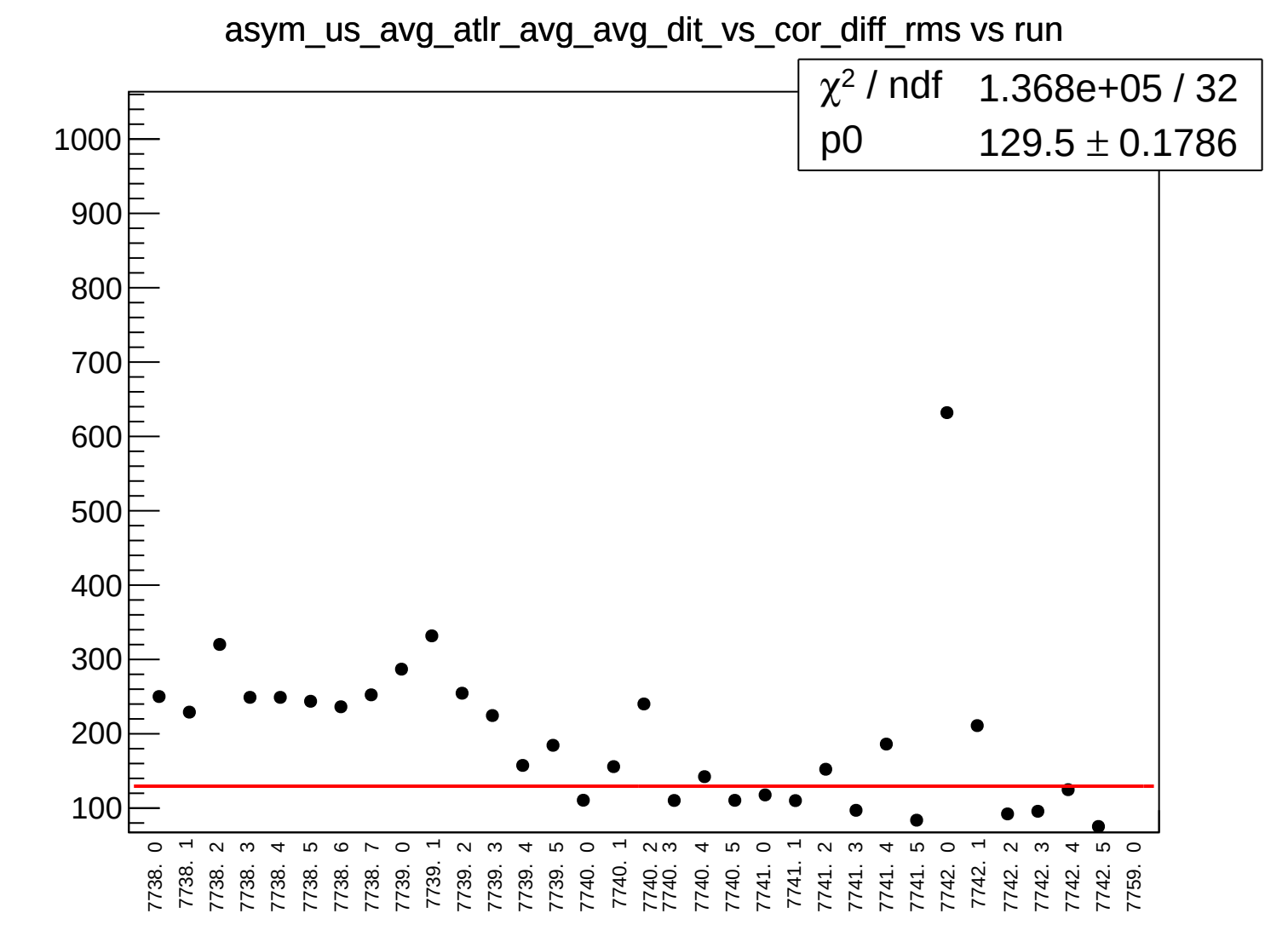

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 3990 / 32
p0 9836 ± 12.12
12000
11500
11000
10500
10000
9500
9000
8500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

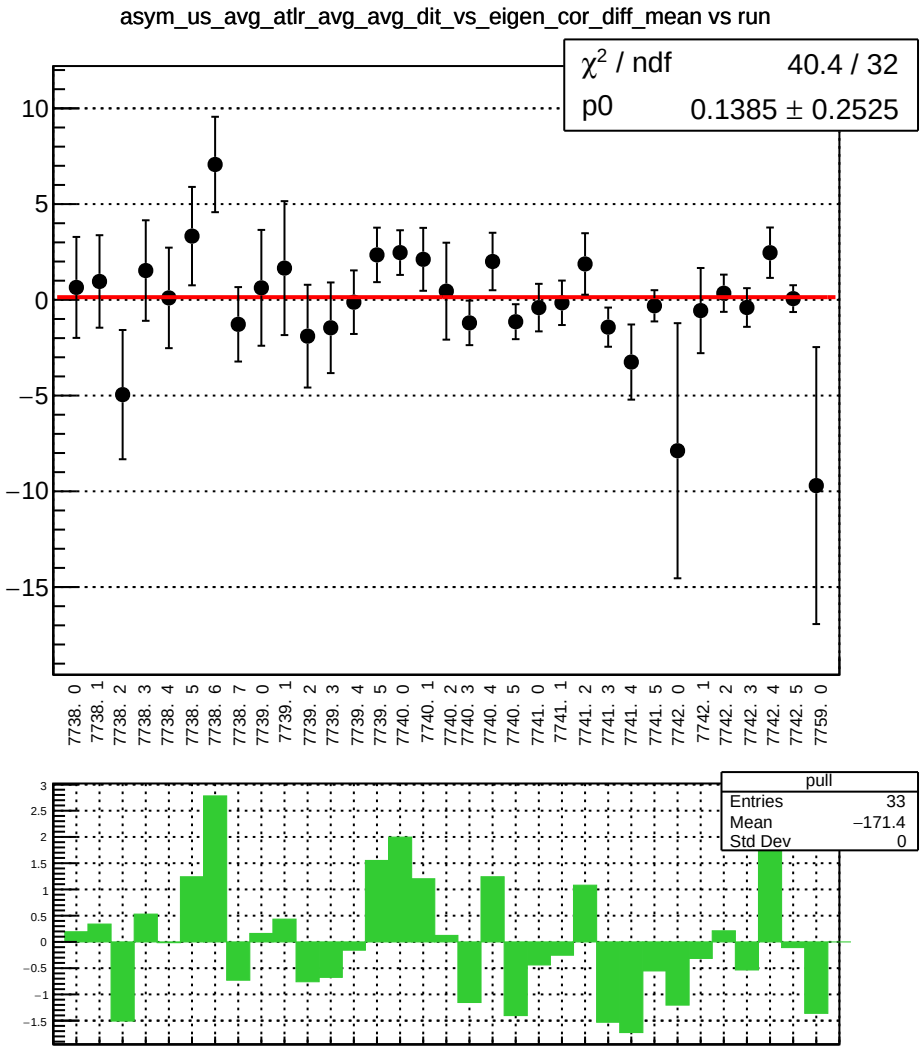

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 38.99 / 32
p0 −2.565e−12 ± 1.713e−12
0.03
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.235
Std Dev 0
3
2
1
0
−1
−2

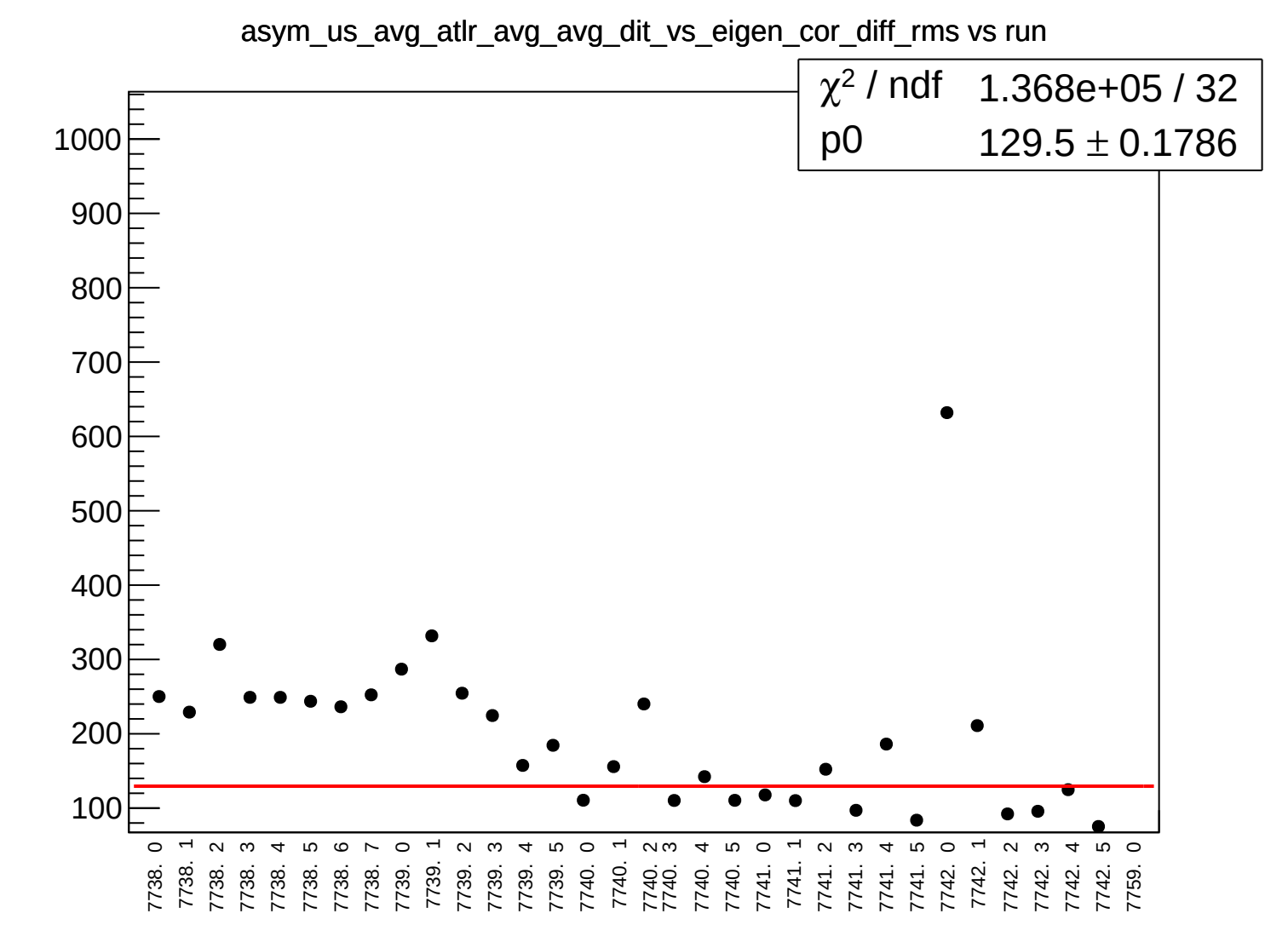

pull1D
Entries 33
Mean 0.1831
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

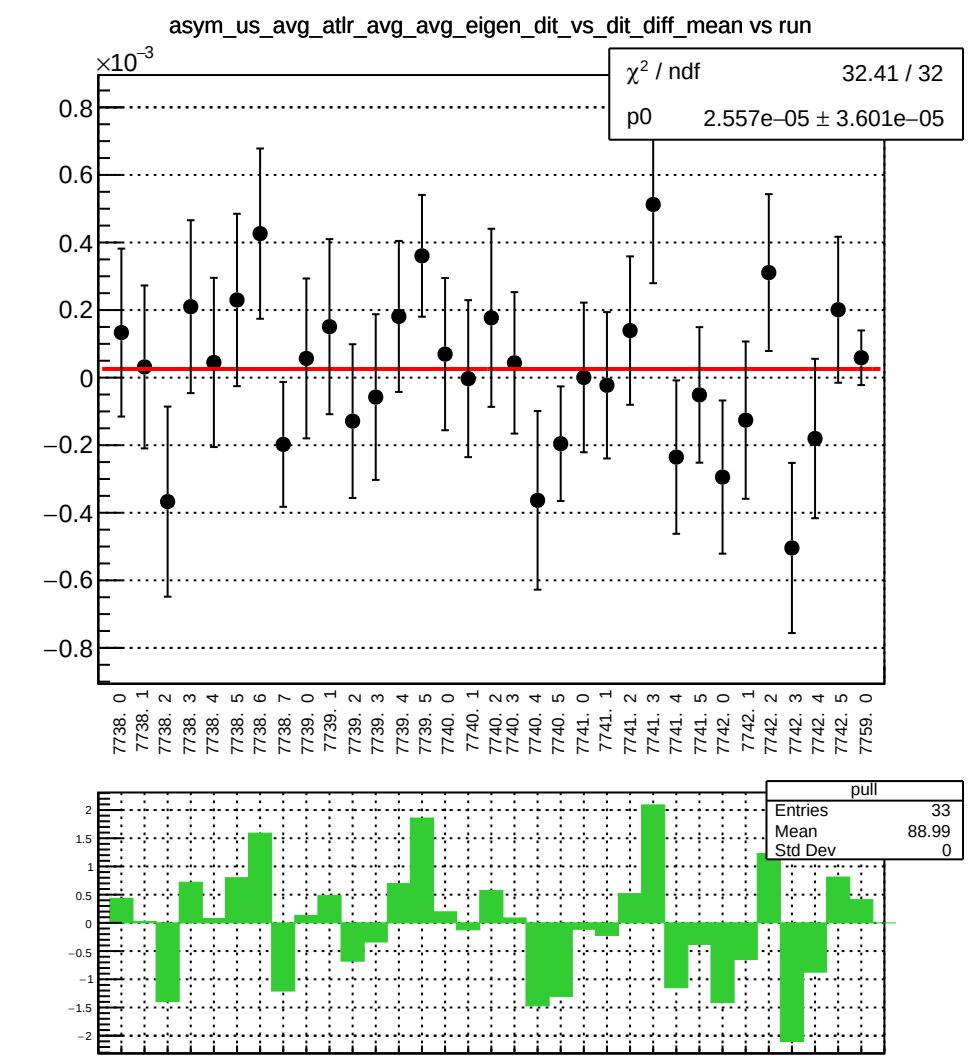

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.327e+05 / 32
p0 7.942e−10 ± 1.211e−12
1
0.8
0.6
0.4
0.2
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

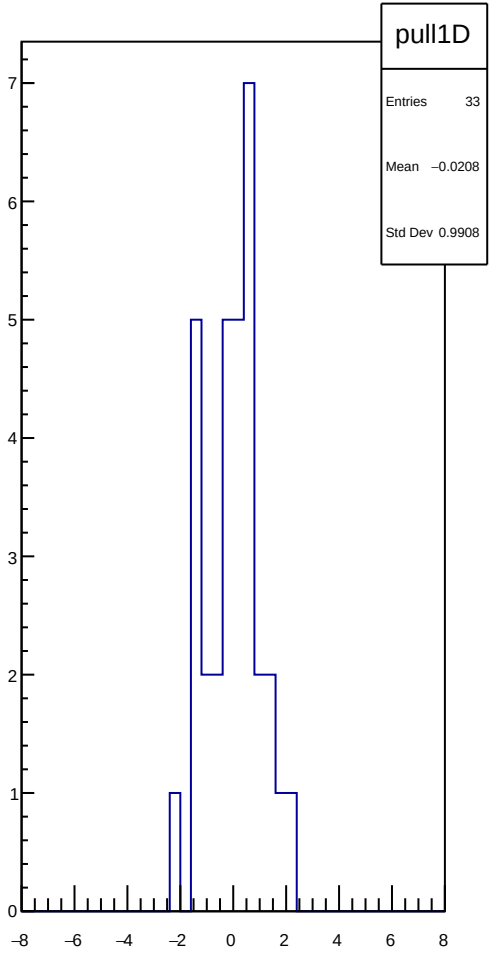

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 40.4 / 32
p0 0.1385 ± 0.2525
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −171.4
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01319
Std Dev 1.106
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

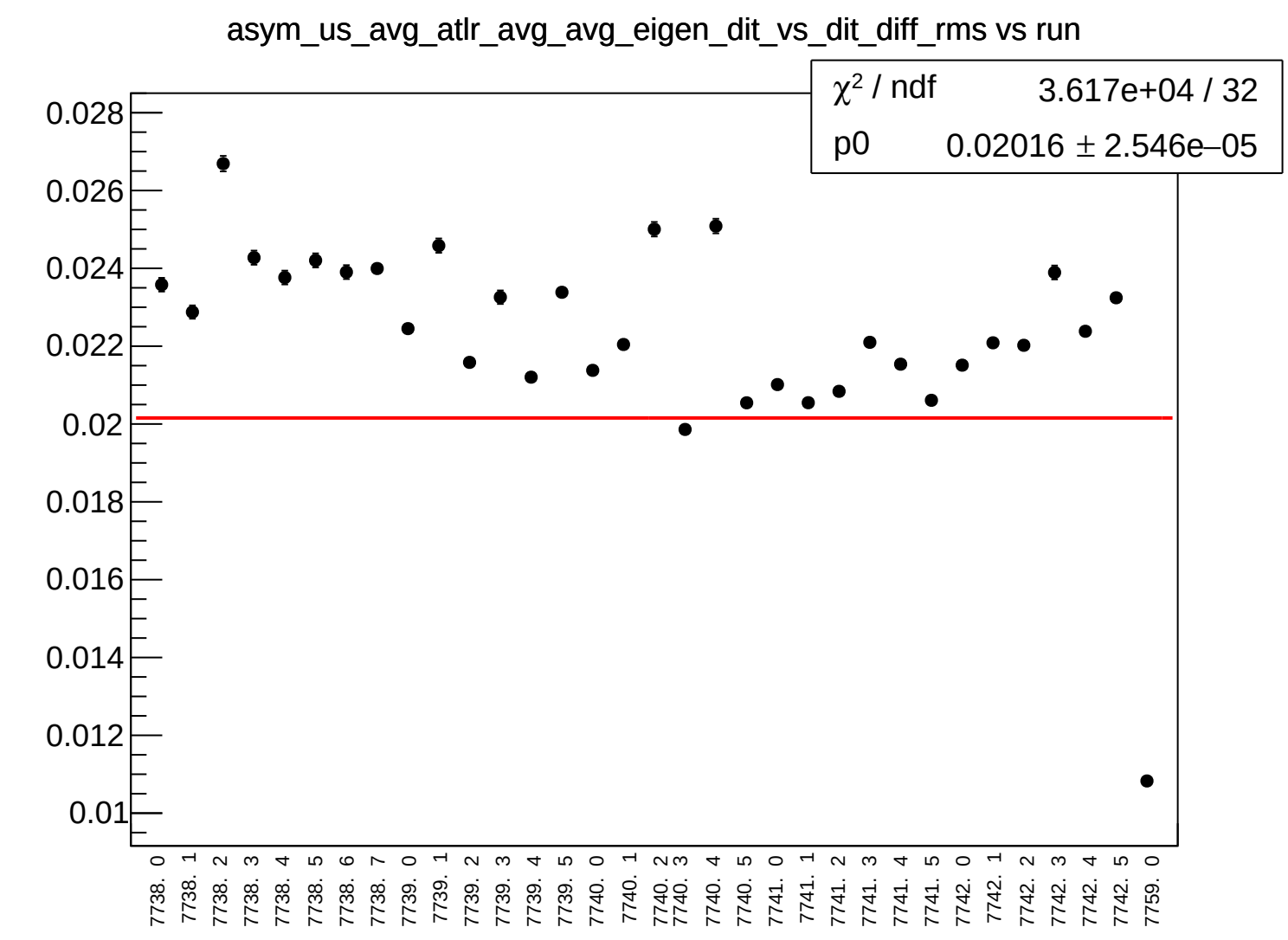

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.368e+05 / 32
p0 129.5 ± 0.1786
1000
900
800
700
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

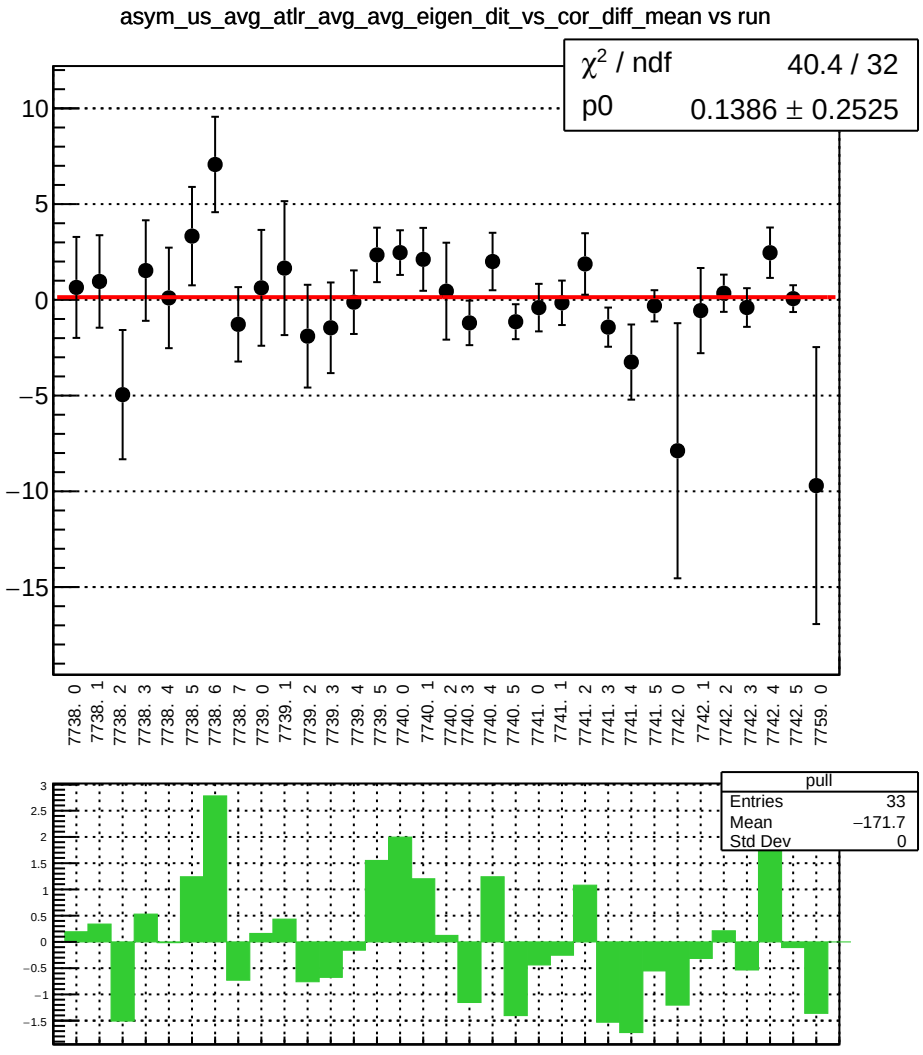

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.4 / 32
p0 0.1385 ± 0.2525
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −171.4
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01319
Std Dev 1.106
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

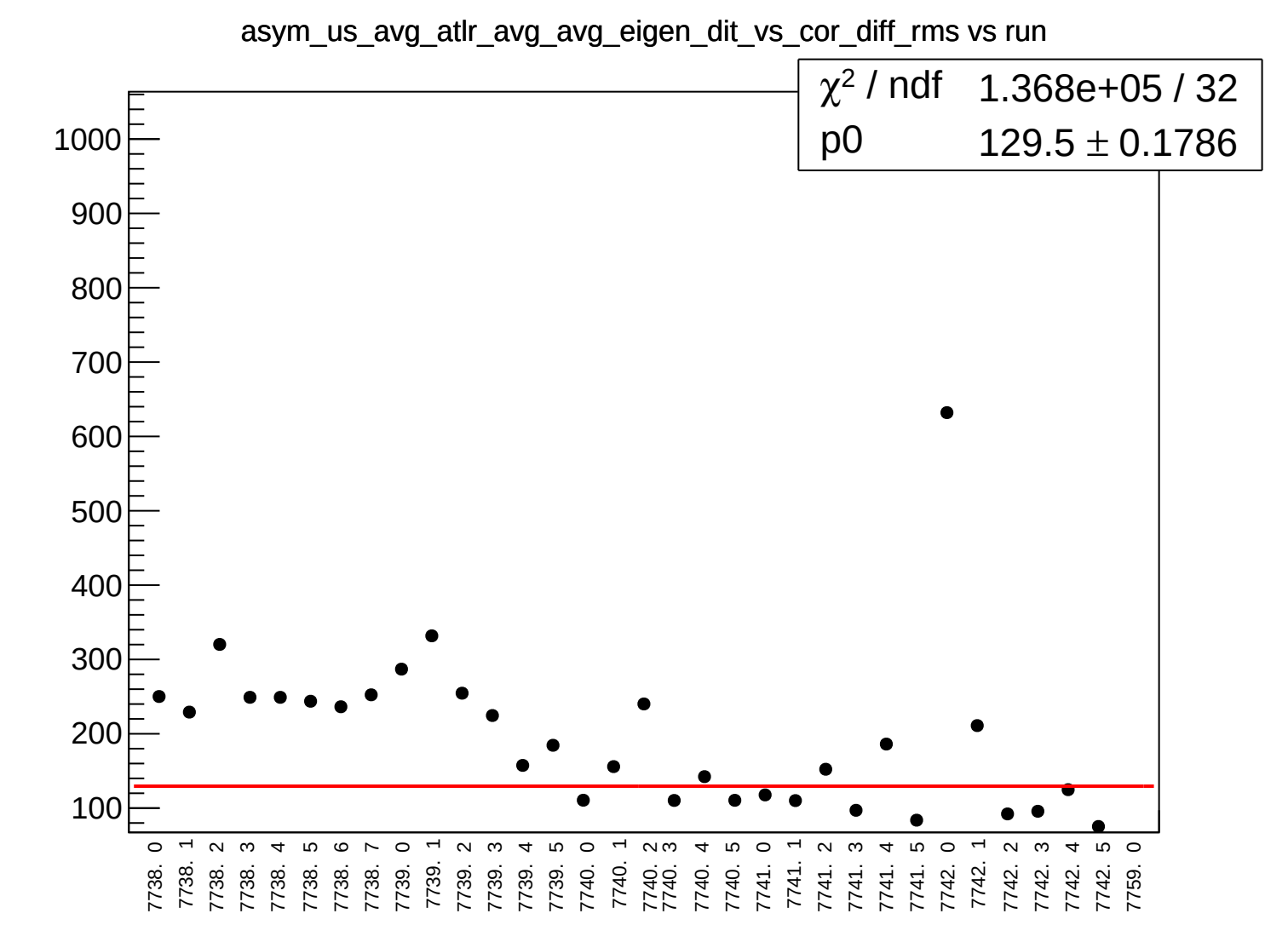

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.368e+05 / 32
p0 129.5 ± 0.1786
1000
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

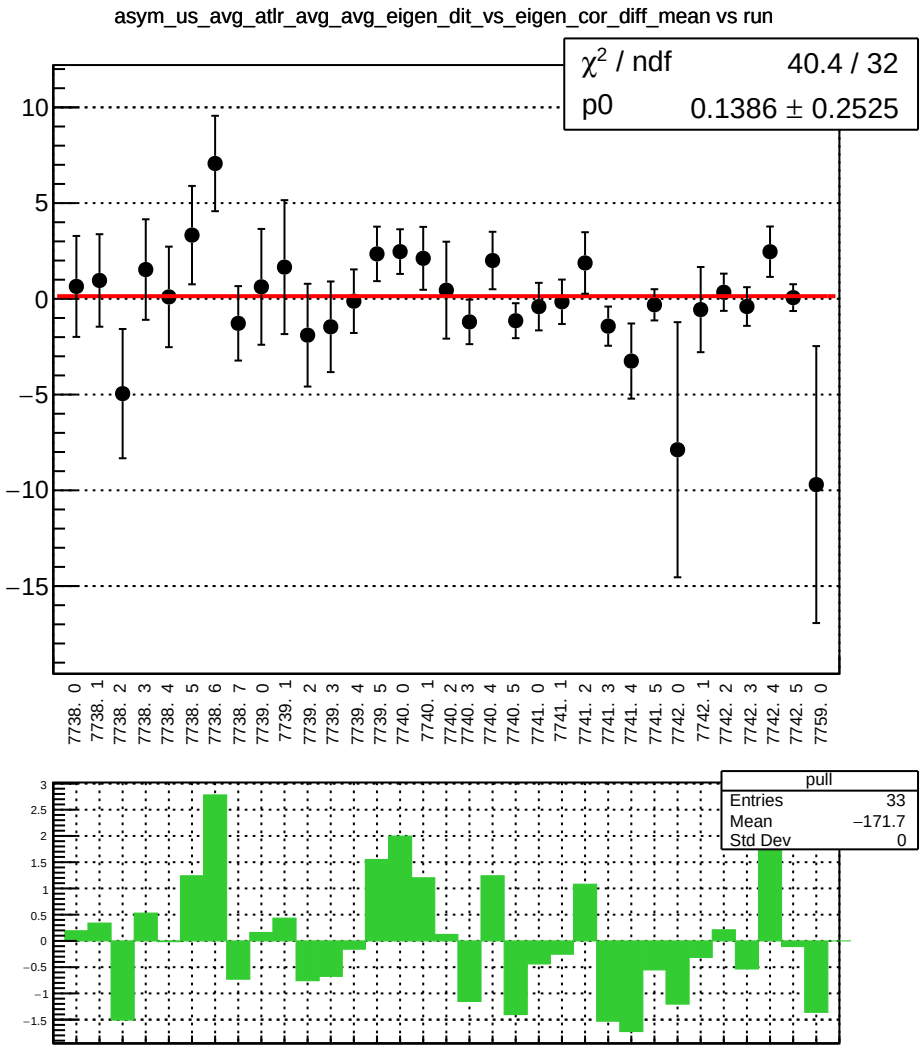

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.41 / 32
p0 2.557e−05 ± 3.601e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 88.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

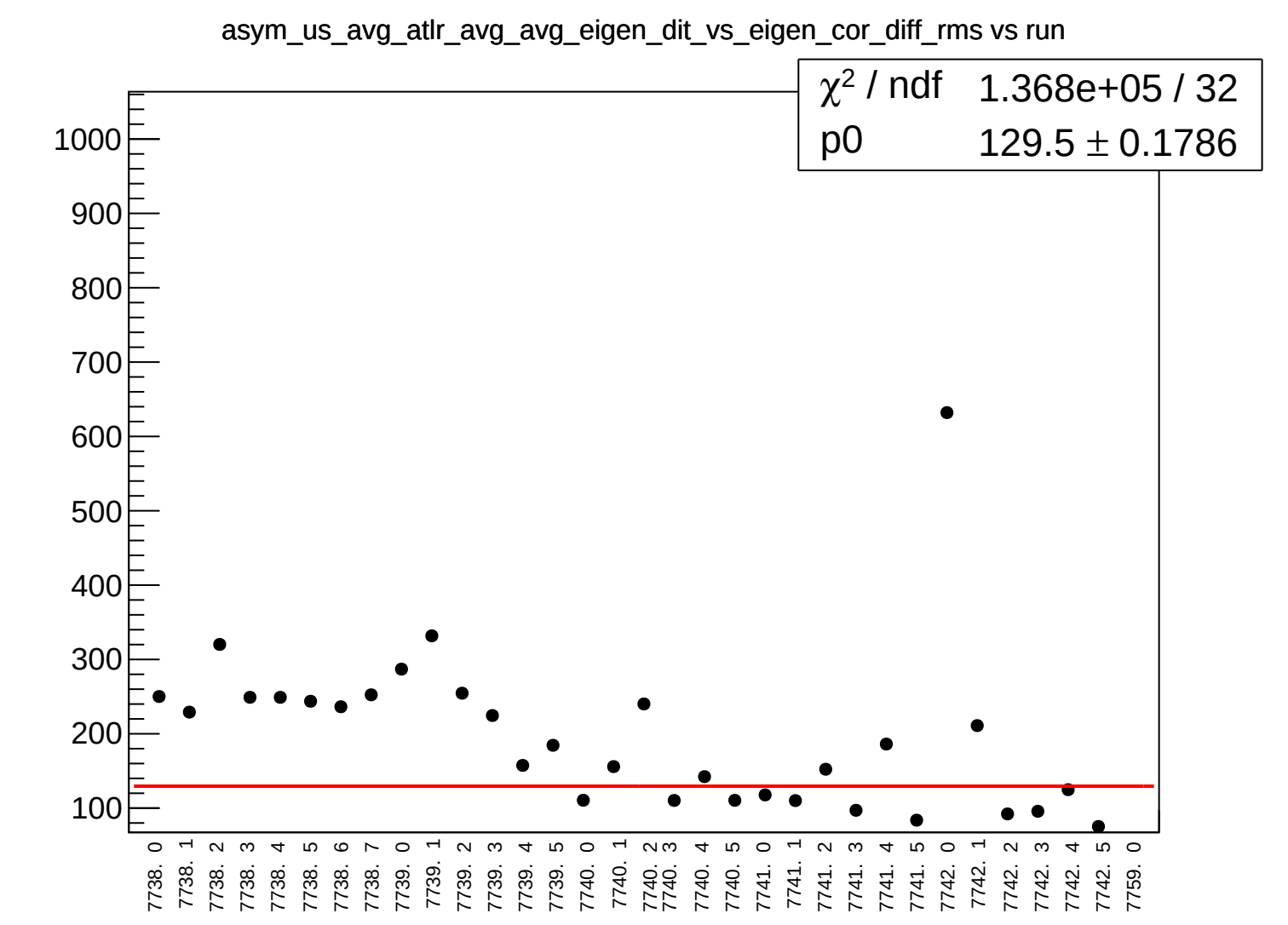

pull1D
Entries 33
Mean −0.0208
Std Dev 0.9908
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

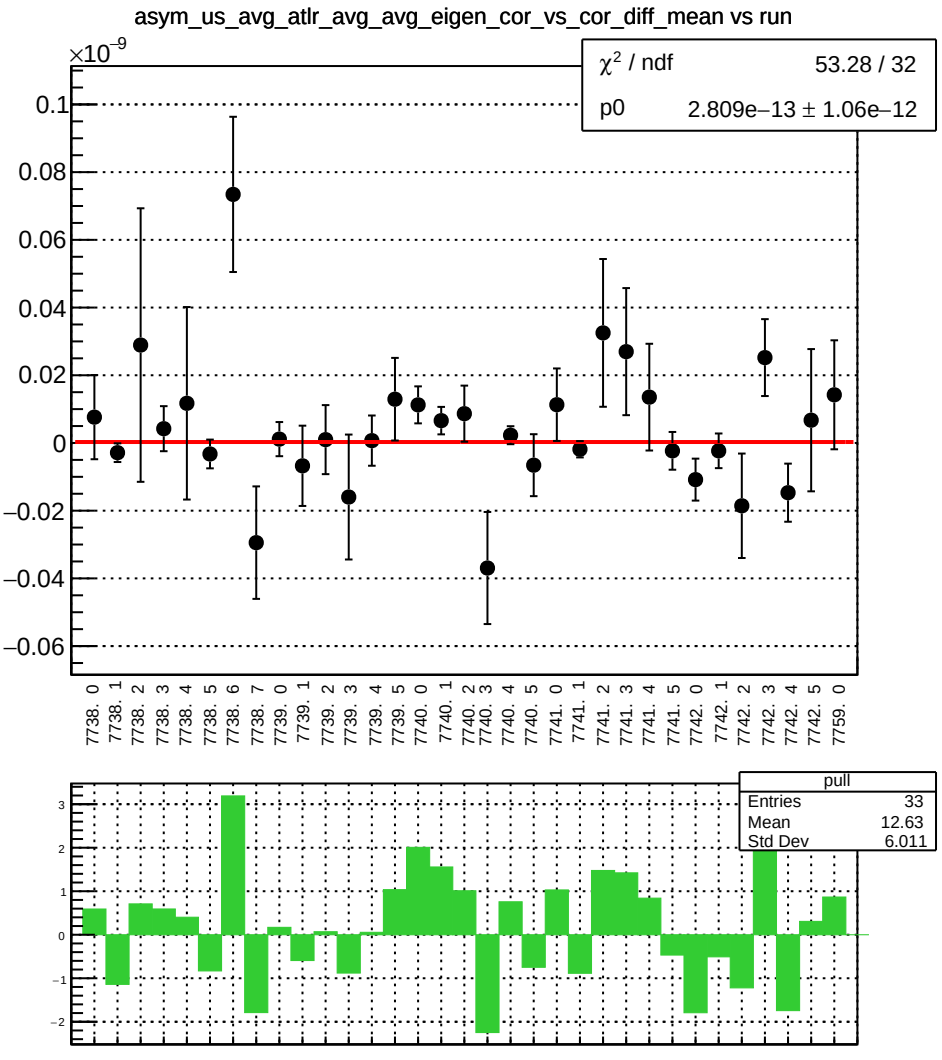

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.617e+04 / 32
p0 0.02016 ± 2.546e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

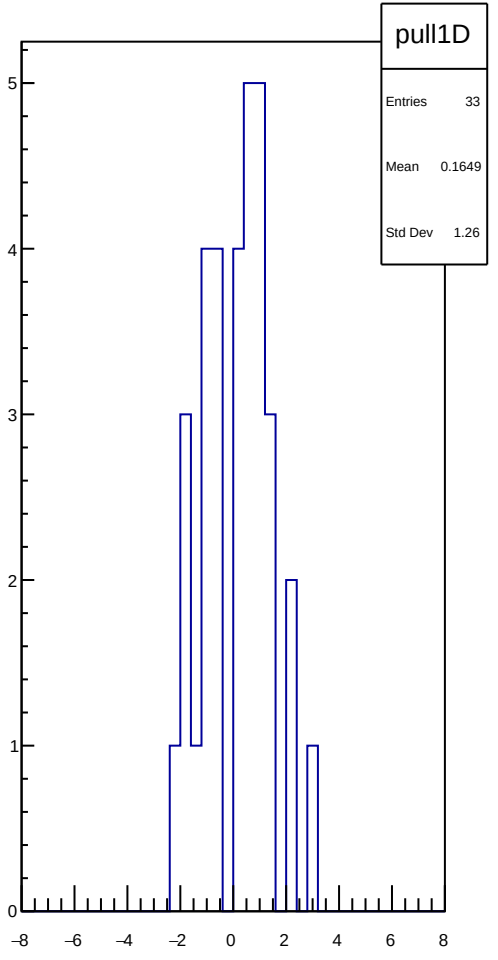

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.4 / 32
p0 0.1386 ± 0.2525
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −171.7
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01318
Std Dev 1.106
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

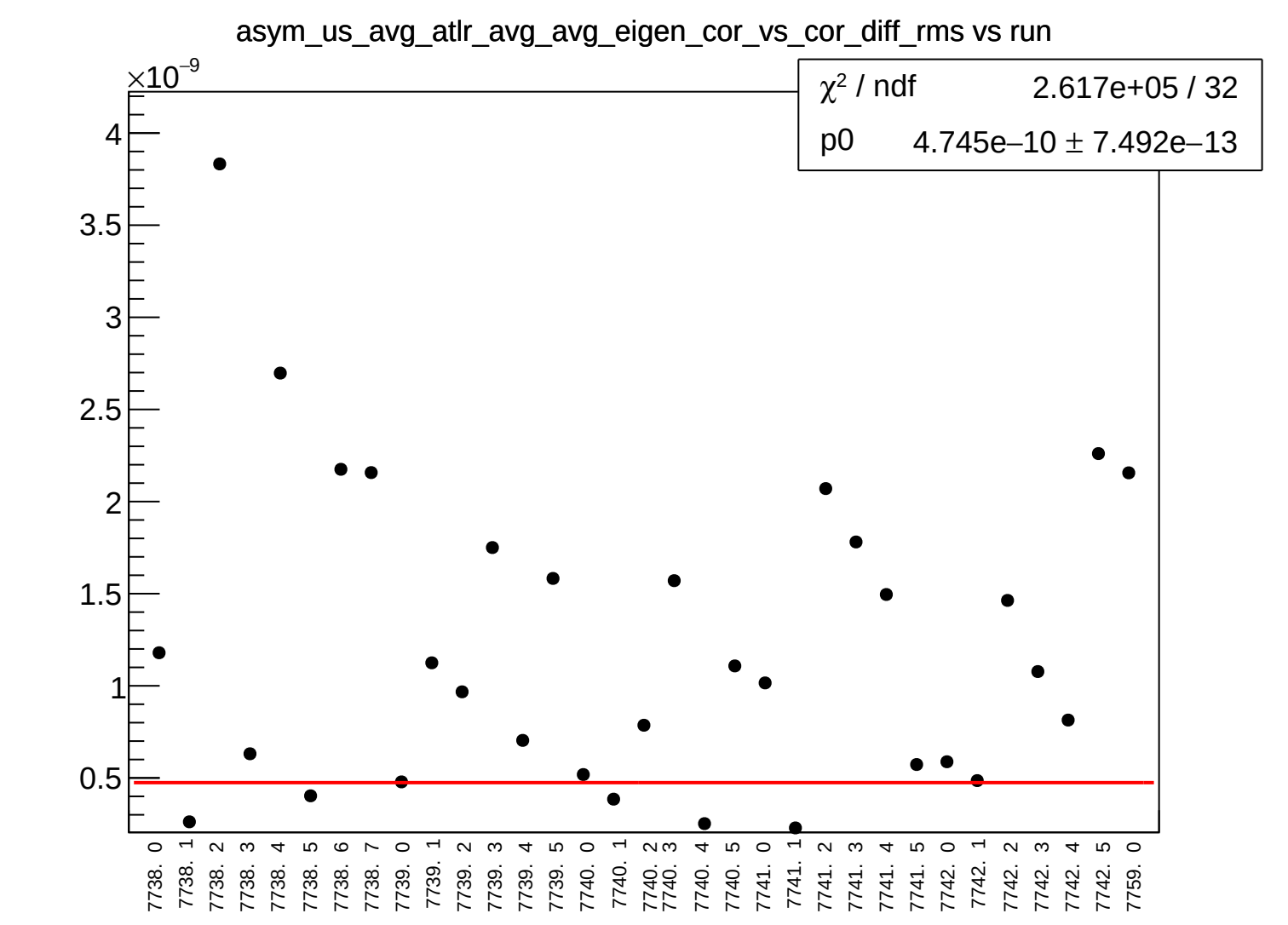

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 1.368e+05 / 32
p0 129.5 ± 0.1786
1000
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

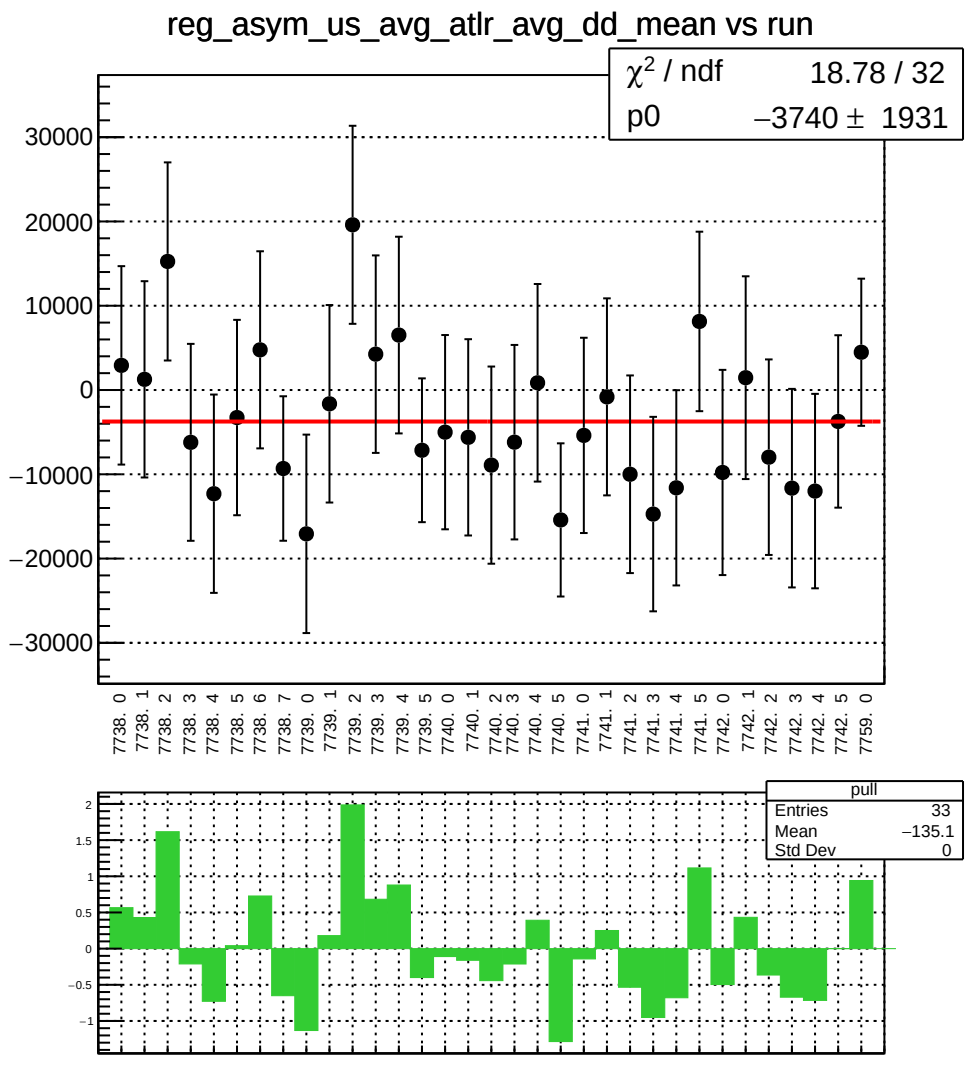

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.4 / 32
p0 0.1386 ± 0.2525
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −171.7
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01318
Std Dev 1.106
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

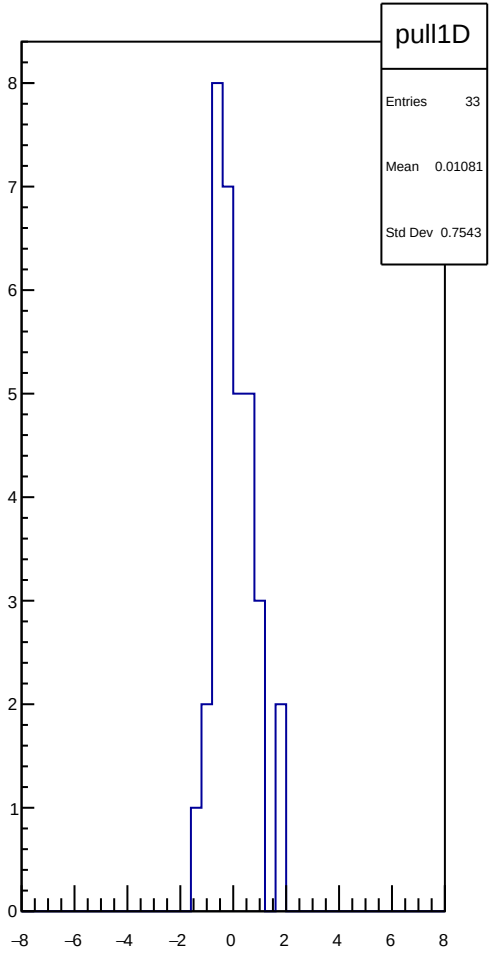

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.368e+05 / 32
p0 129.5 ± 0.1786
1000
900
800
700
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

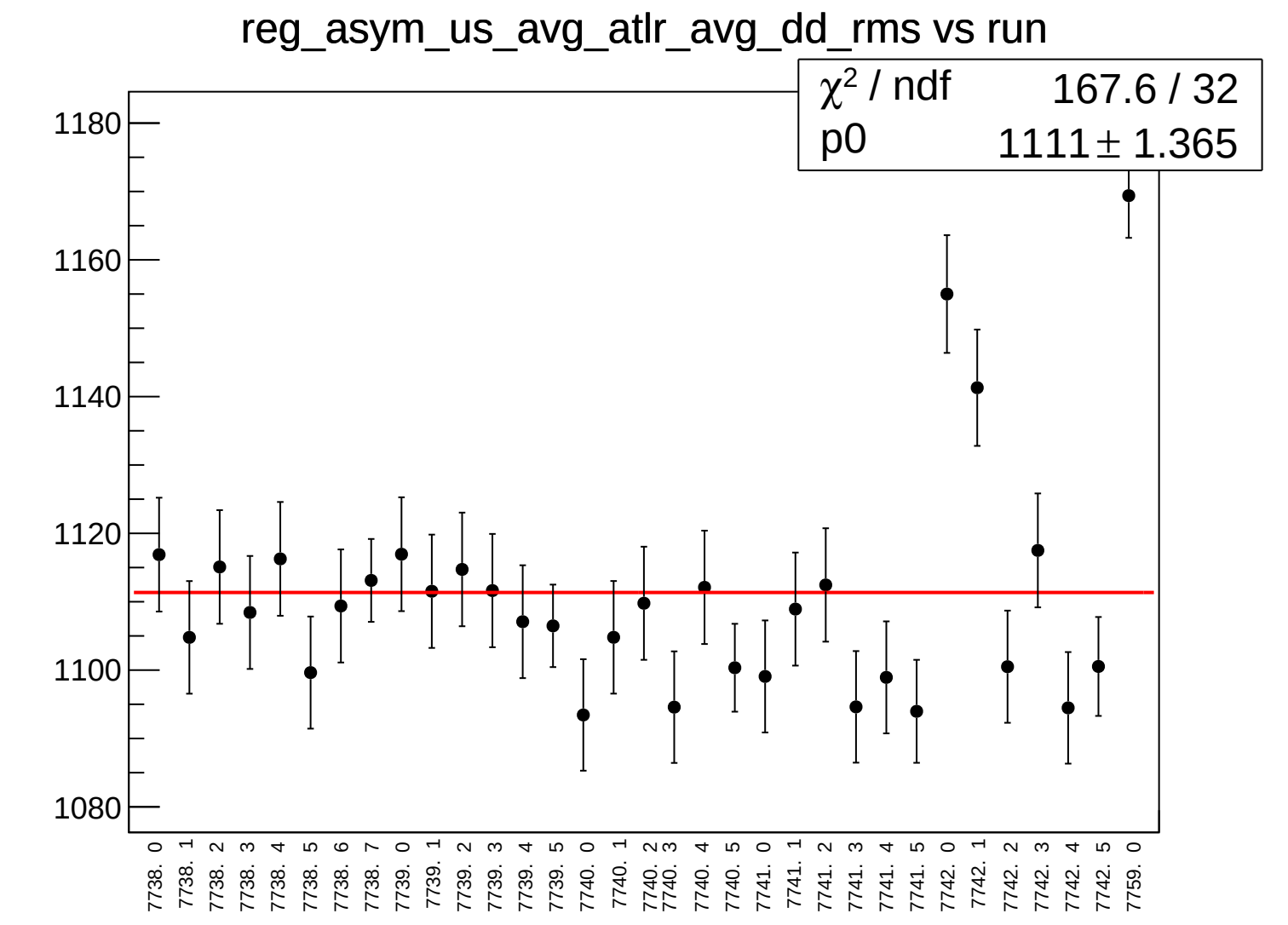

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 53.28 / 32
p0 2.809e−13 ± 1.06e−12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.63
Std Dev 6.011
3
2
1
0
−1
−2

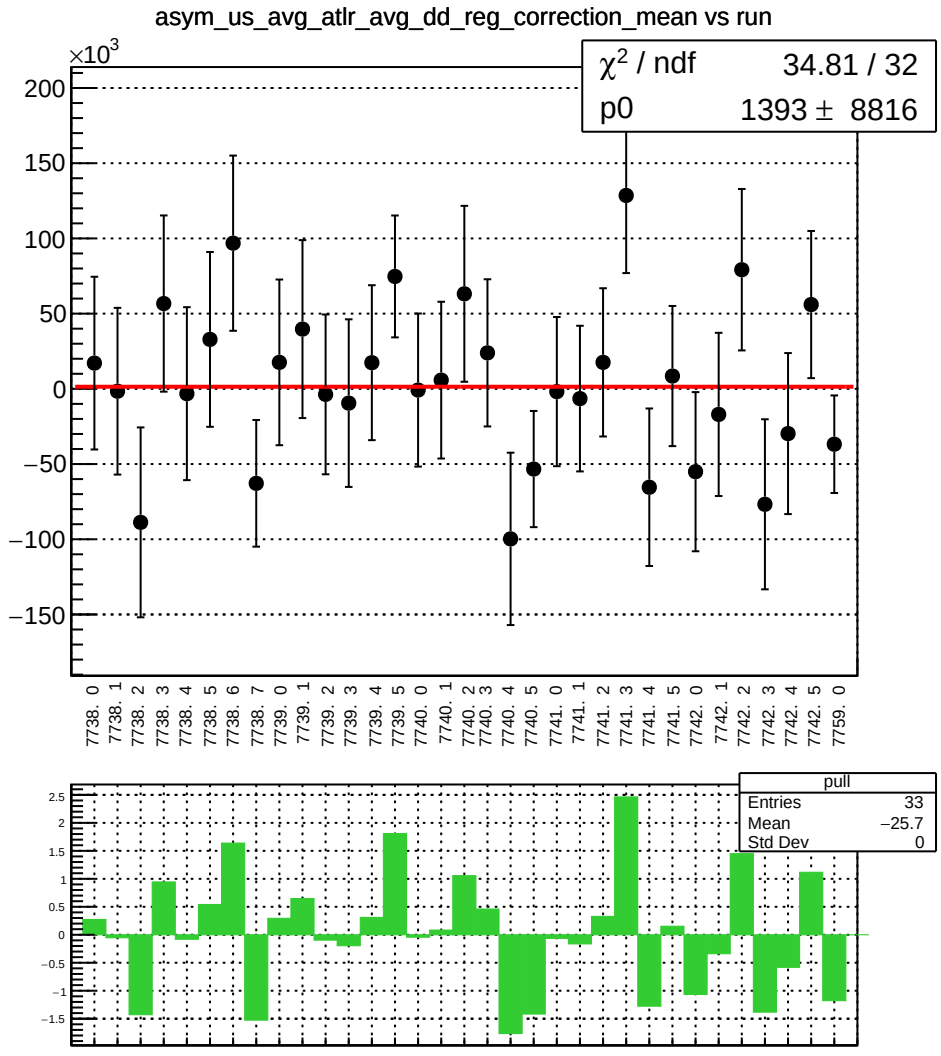

pull1D
Entries 33
Mean 0.1649
Std Dev 1.26
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

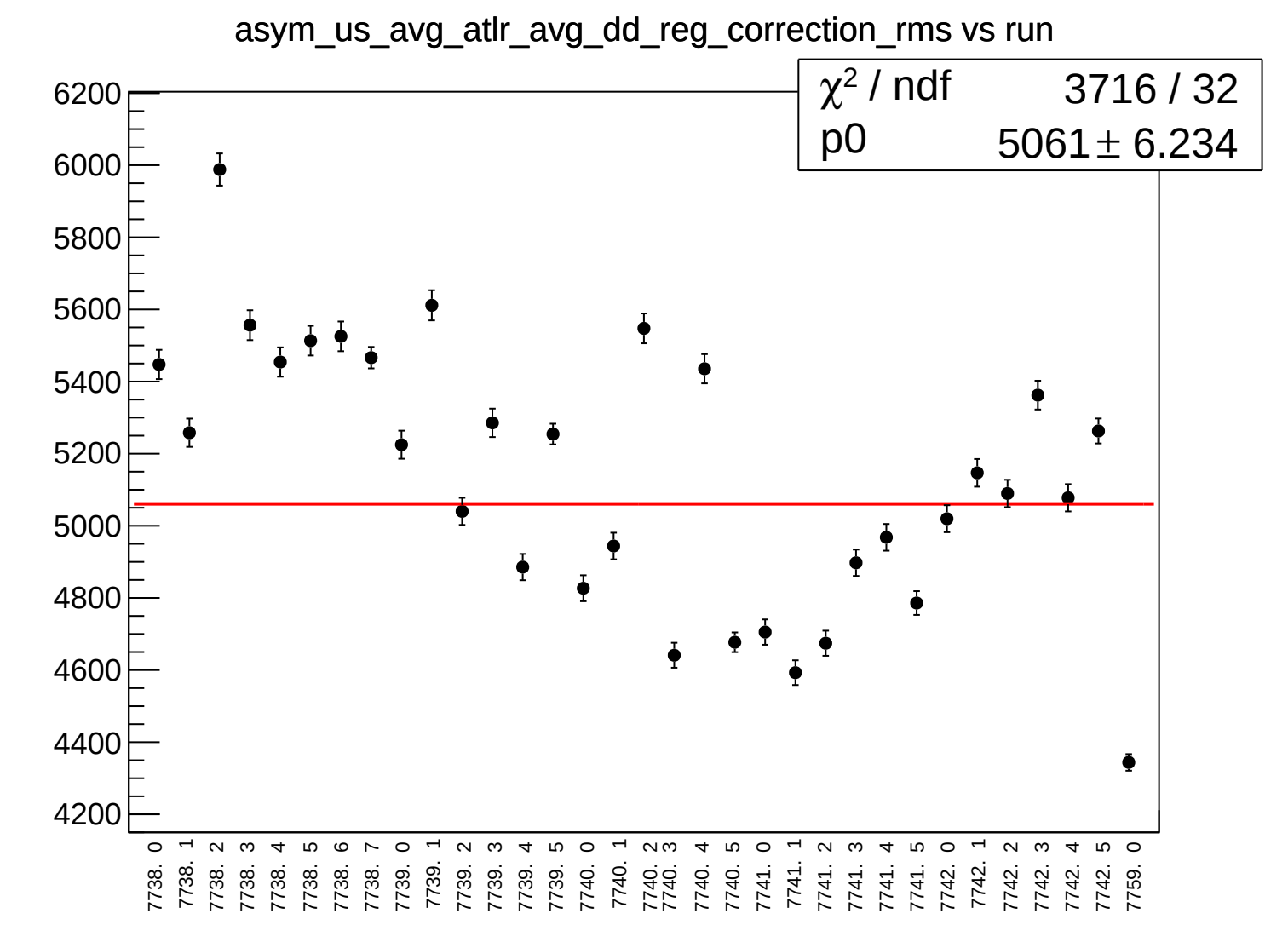

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.617e+05 / 32
p0 4.745e−10 ± 7.492e−13
4
3.5
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

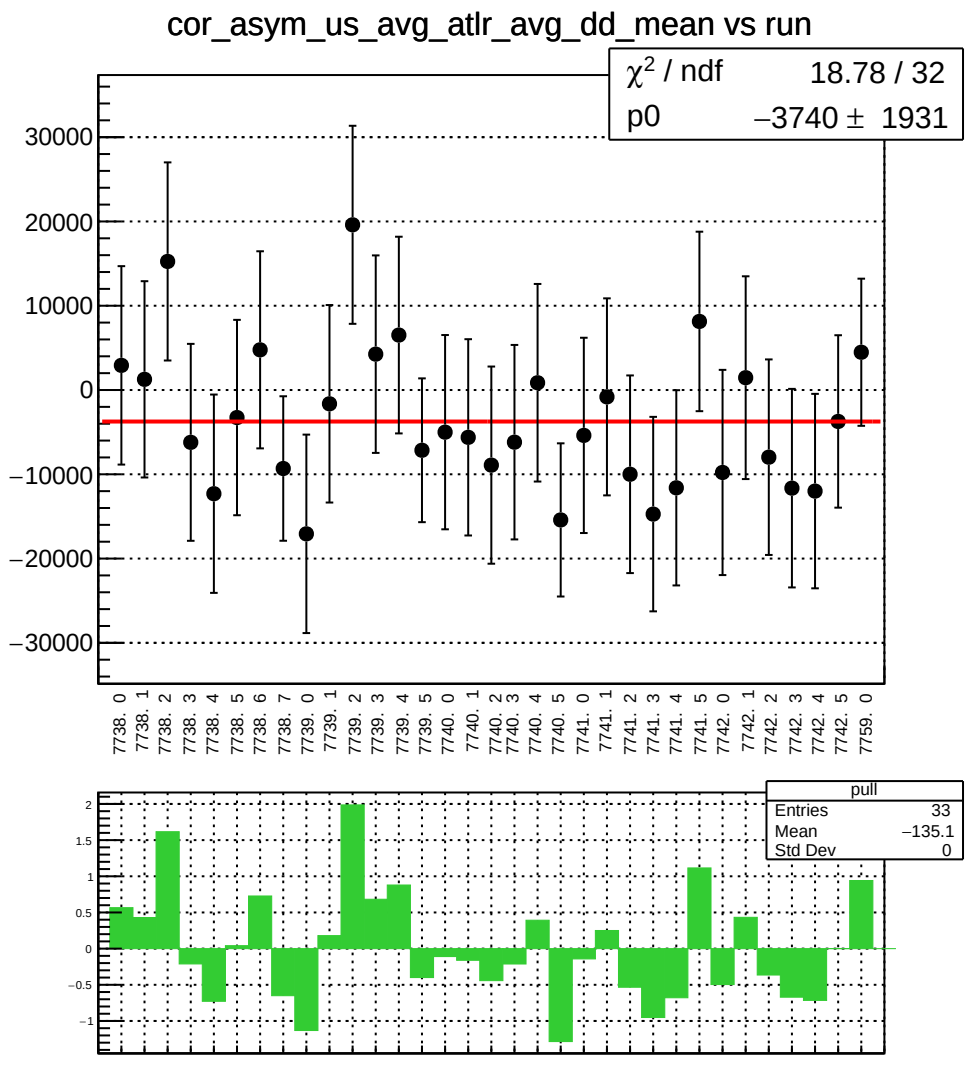

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 18.78 / 32
p0 −3740 ± 1931
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −135.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

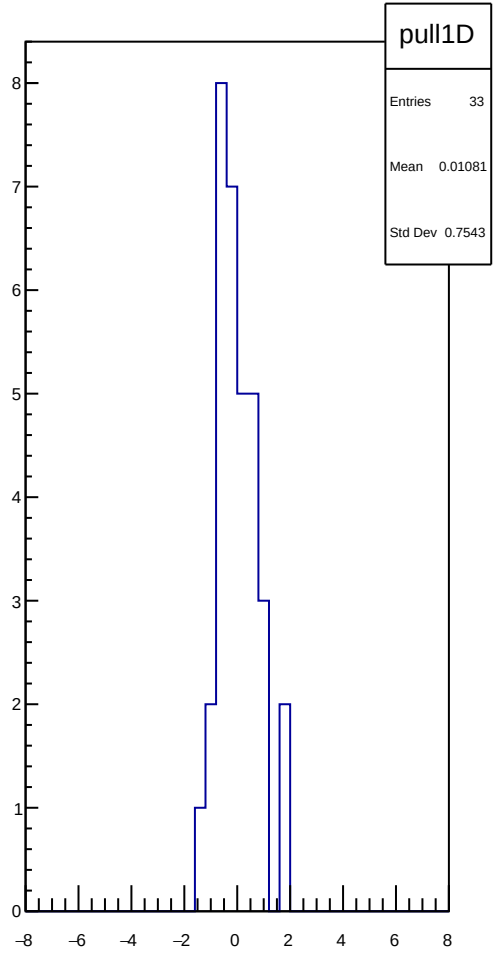

pull1D
Entries 33
Mean 0.01081
Std Dev 0.7543
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

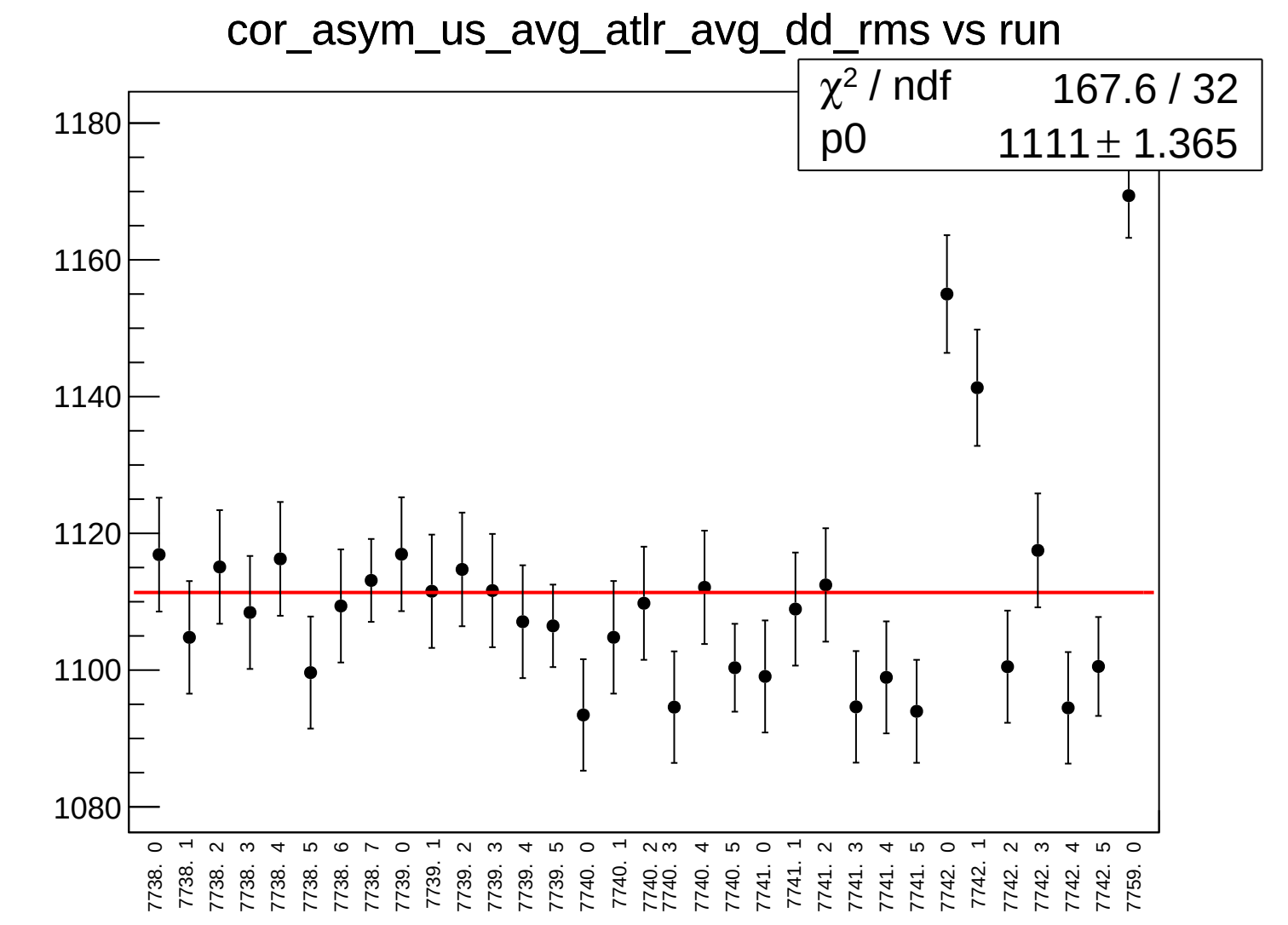

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 167.6 / 32
p0 1111 ± 1.365
1180
1160
1140
1120
1100
1080
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

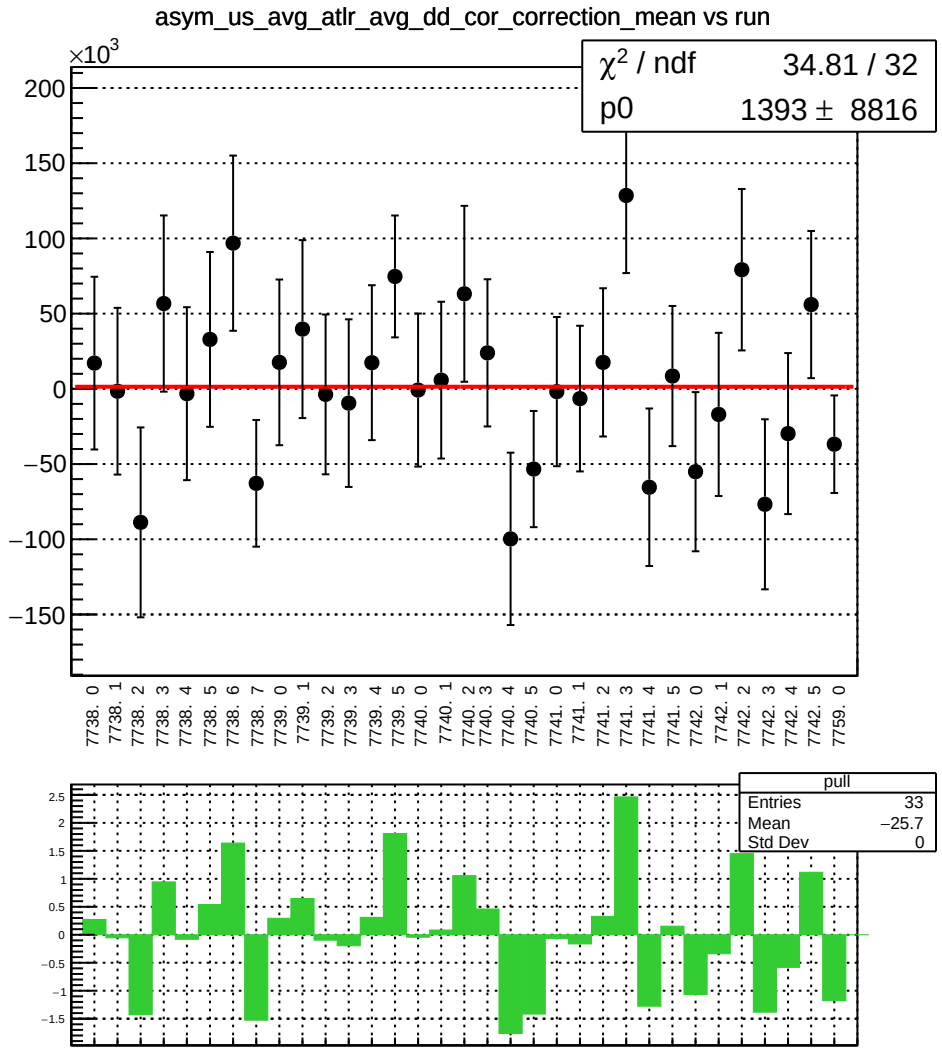

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 34.81 / 32
p0 1393 ± 8816
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.02782
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

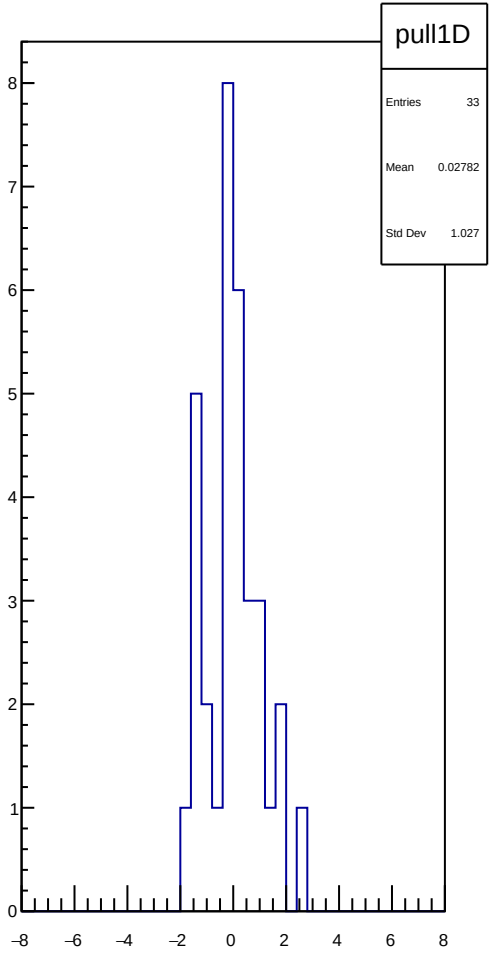

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 3716 / 32
p0 5061 ± 6.234
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

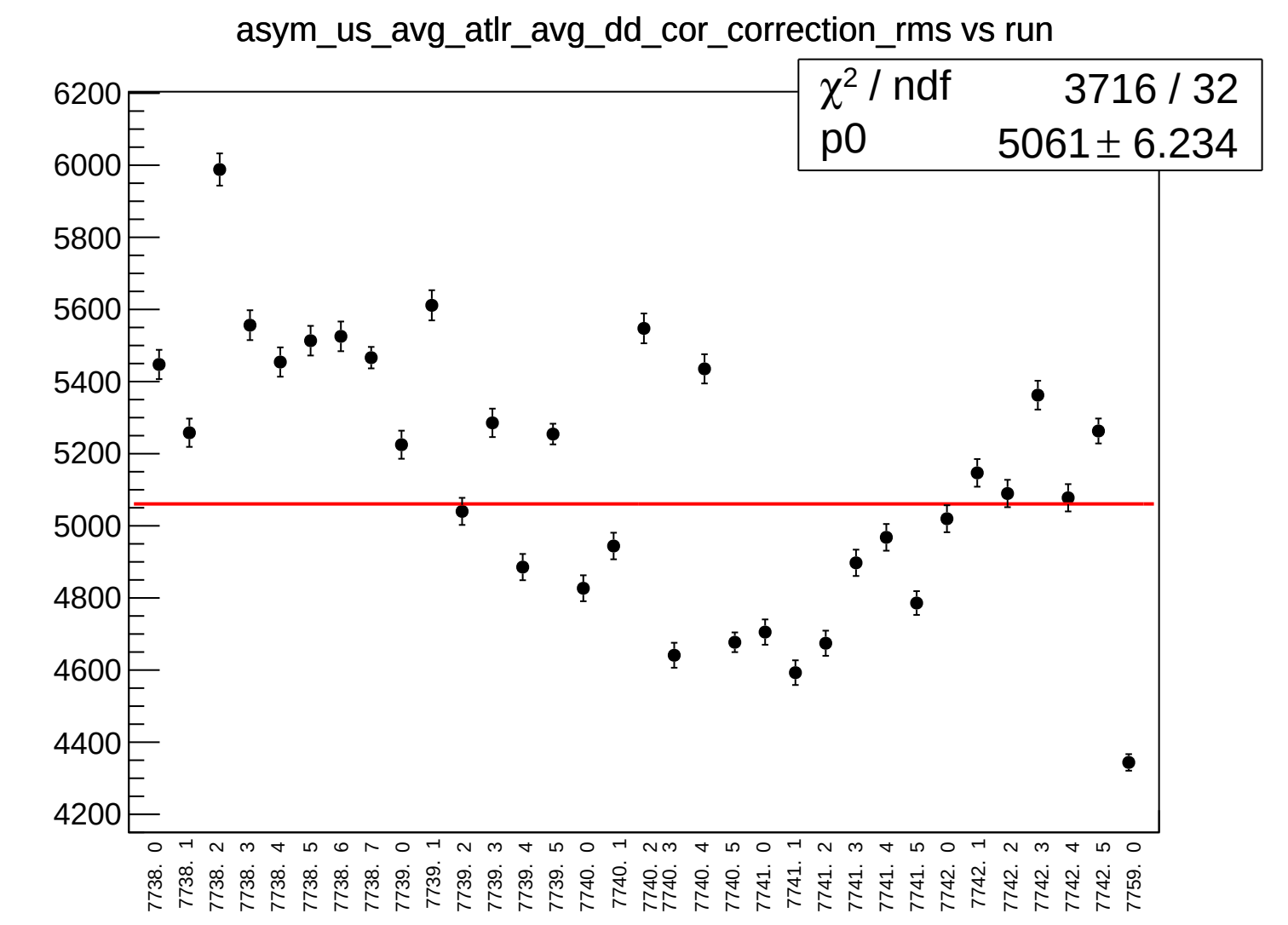

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 18.78 / 32
p0 −3740 ± 1931
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −135.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

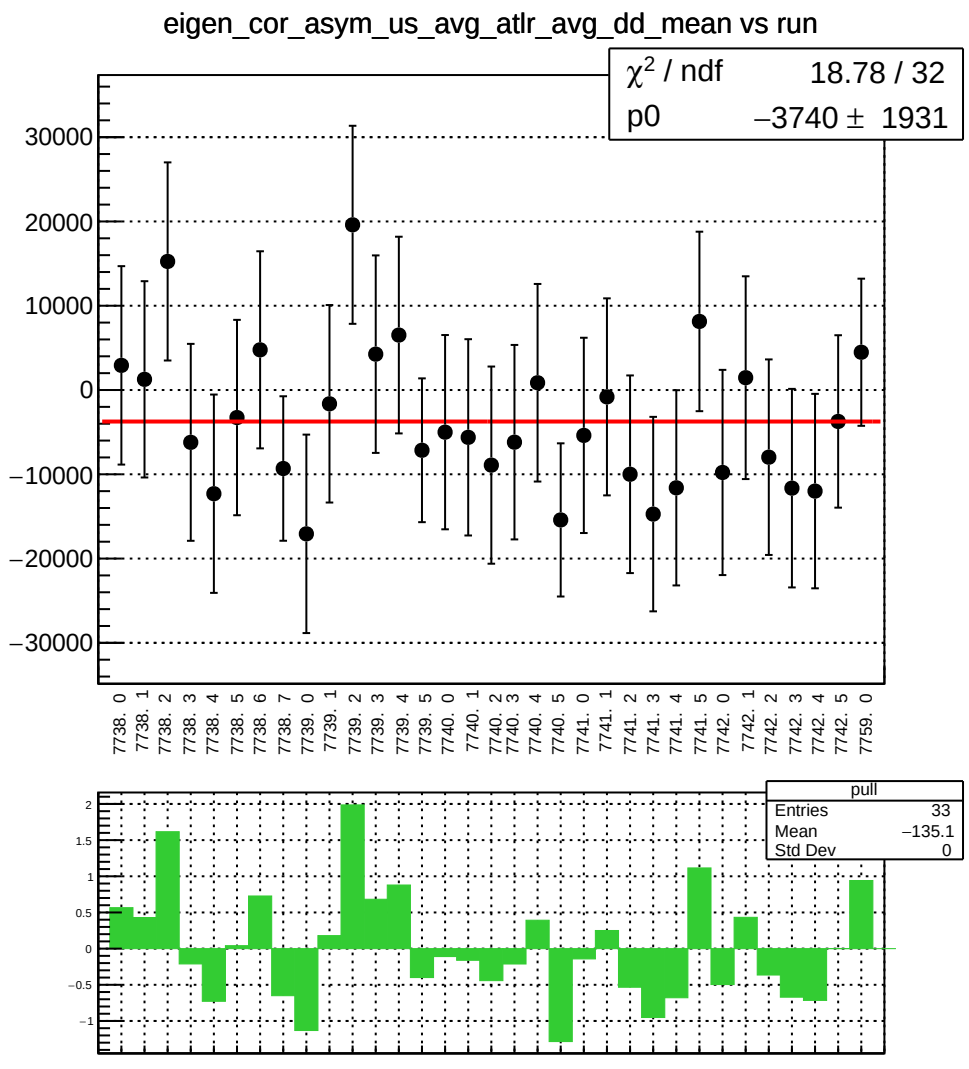

pull1D
Entries 33
Mean 0.01081
Std Dev 0.7543
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

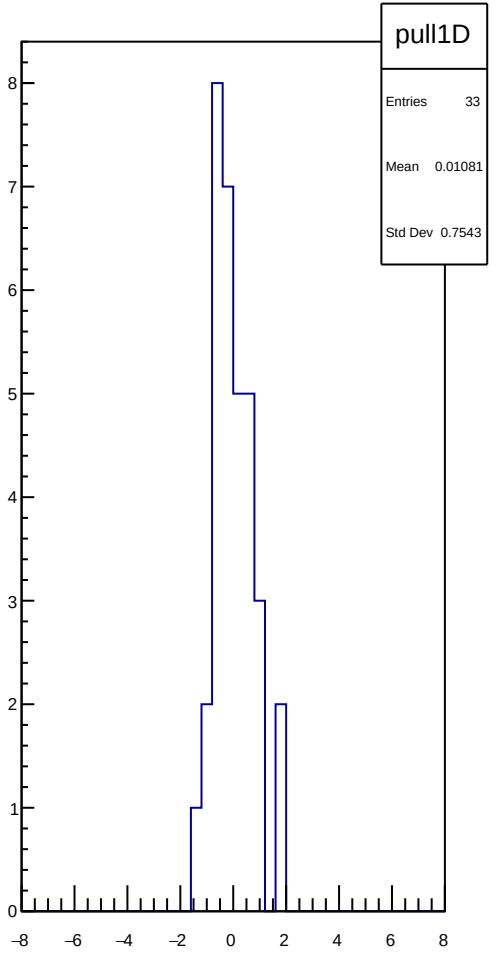

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 167.6 / 32
p0 1111 ± 1.365
1180
1160
1140
1120
1100
1080
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

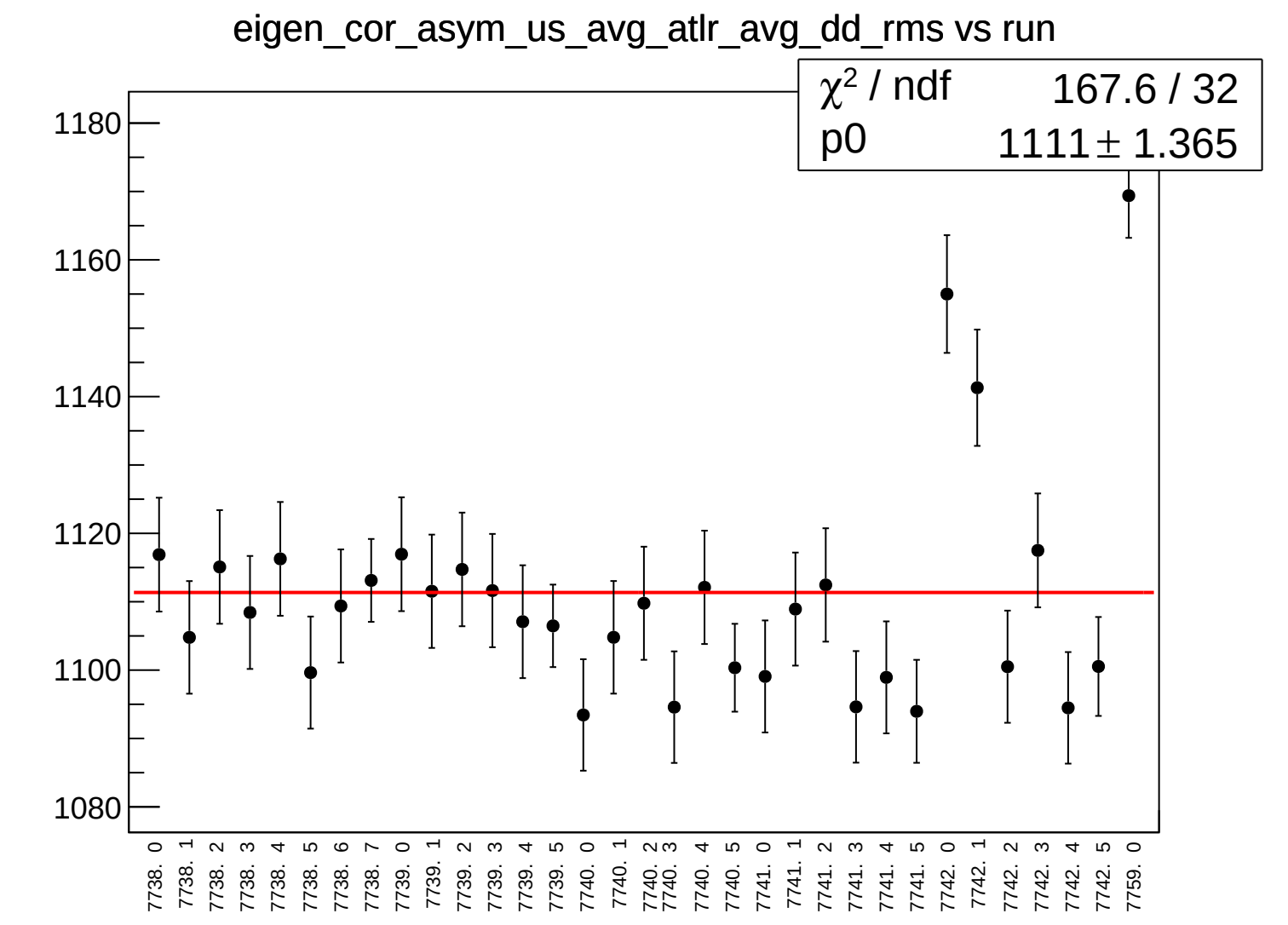

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 34.81 / 32
p0 1393 ± 8816
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

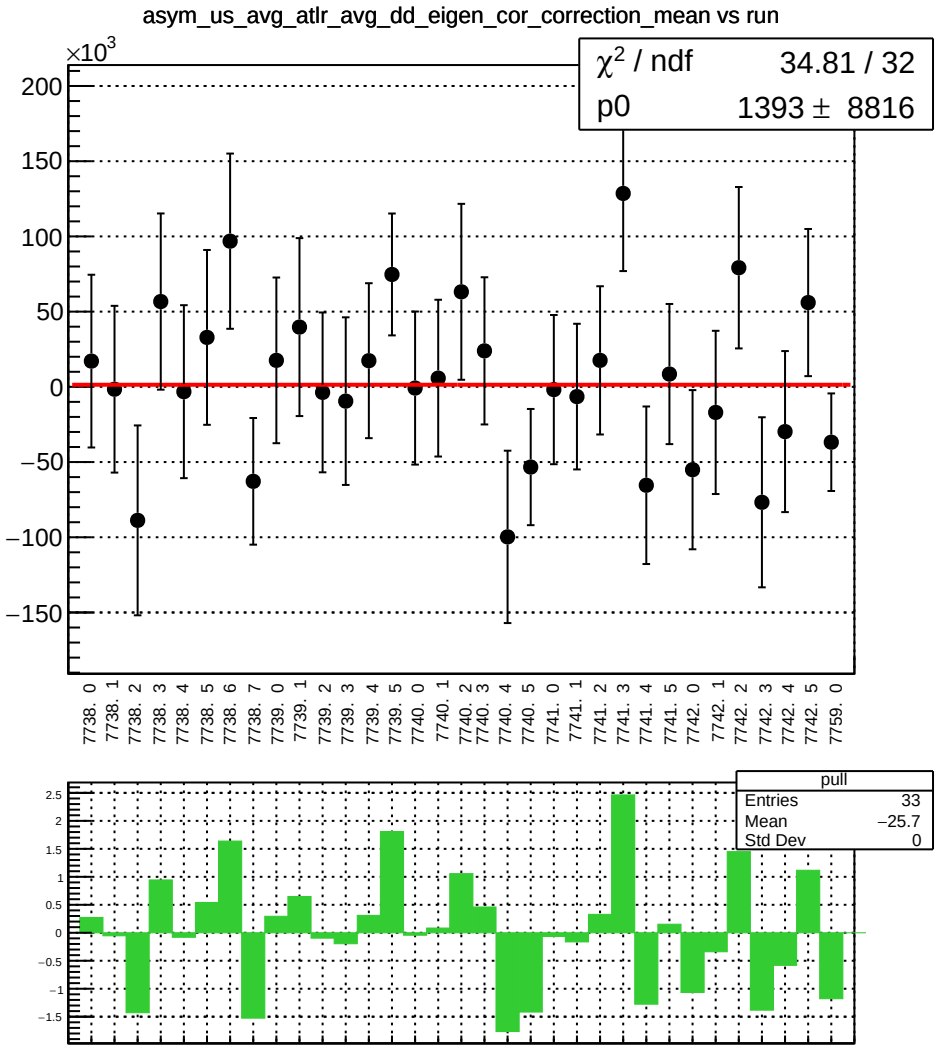

pull1D
Entries 33
Mean 0.02782
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

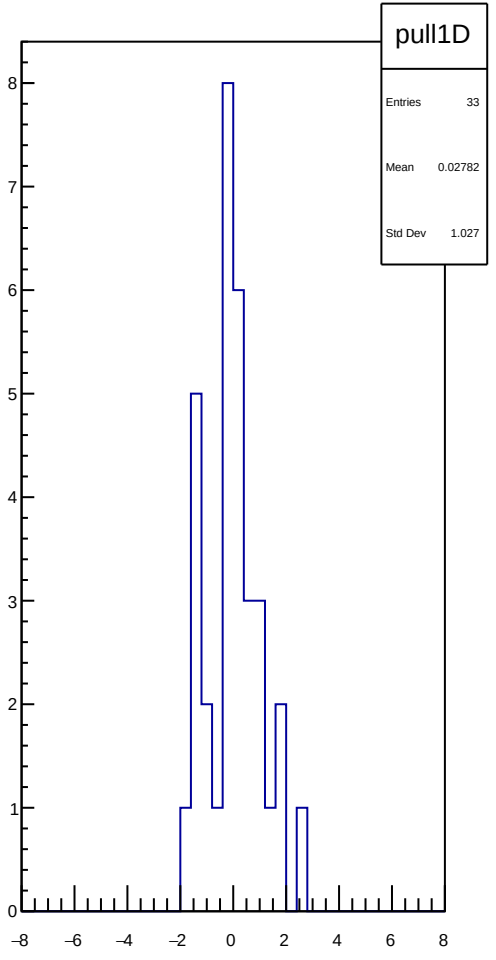

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 3716 / 32
p0 5061 ± 6.234
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

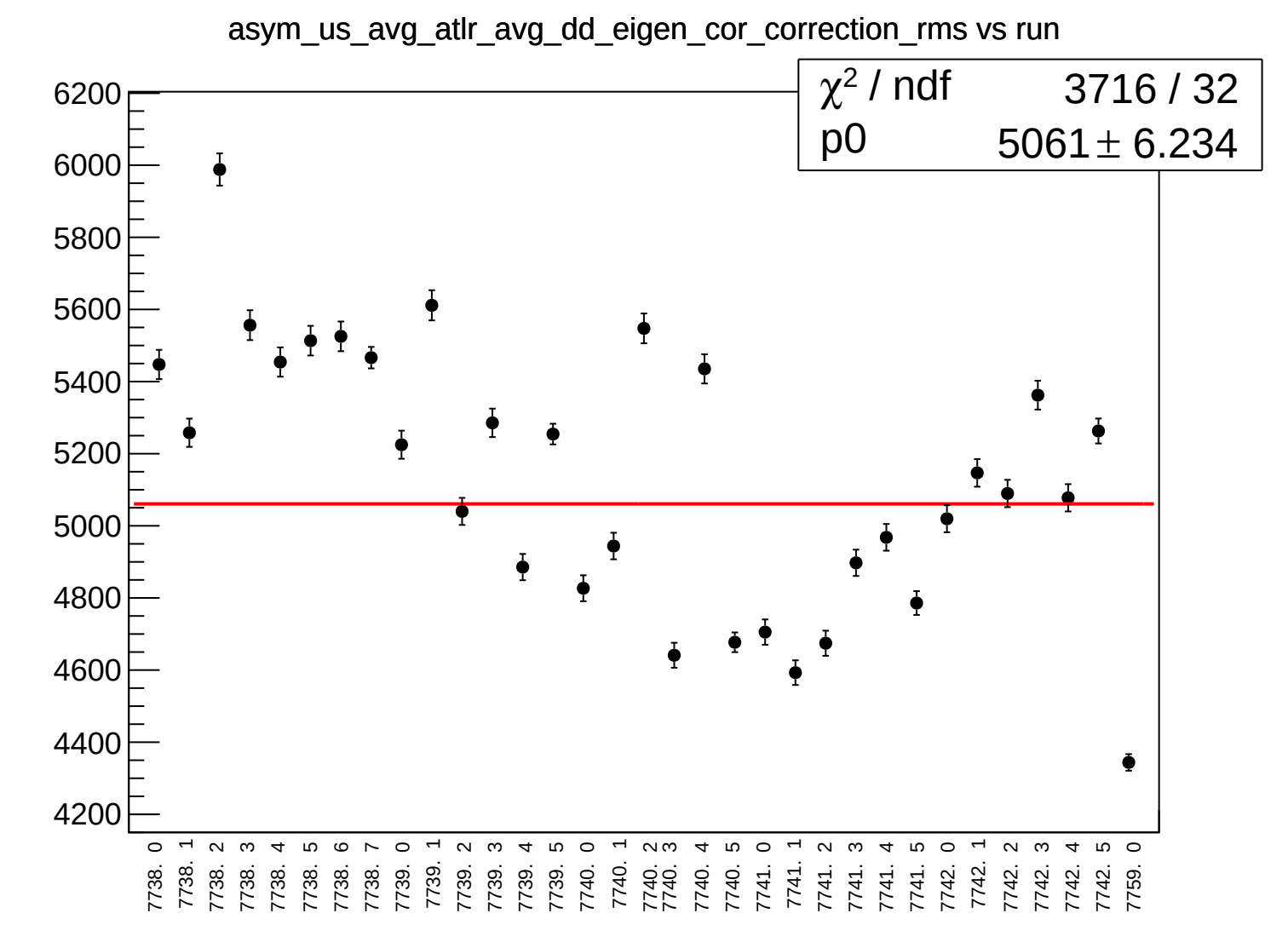

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 18.78 / 32
p0 −3740 ± 1931
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −135.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

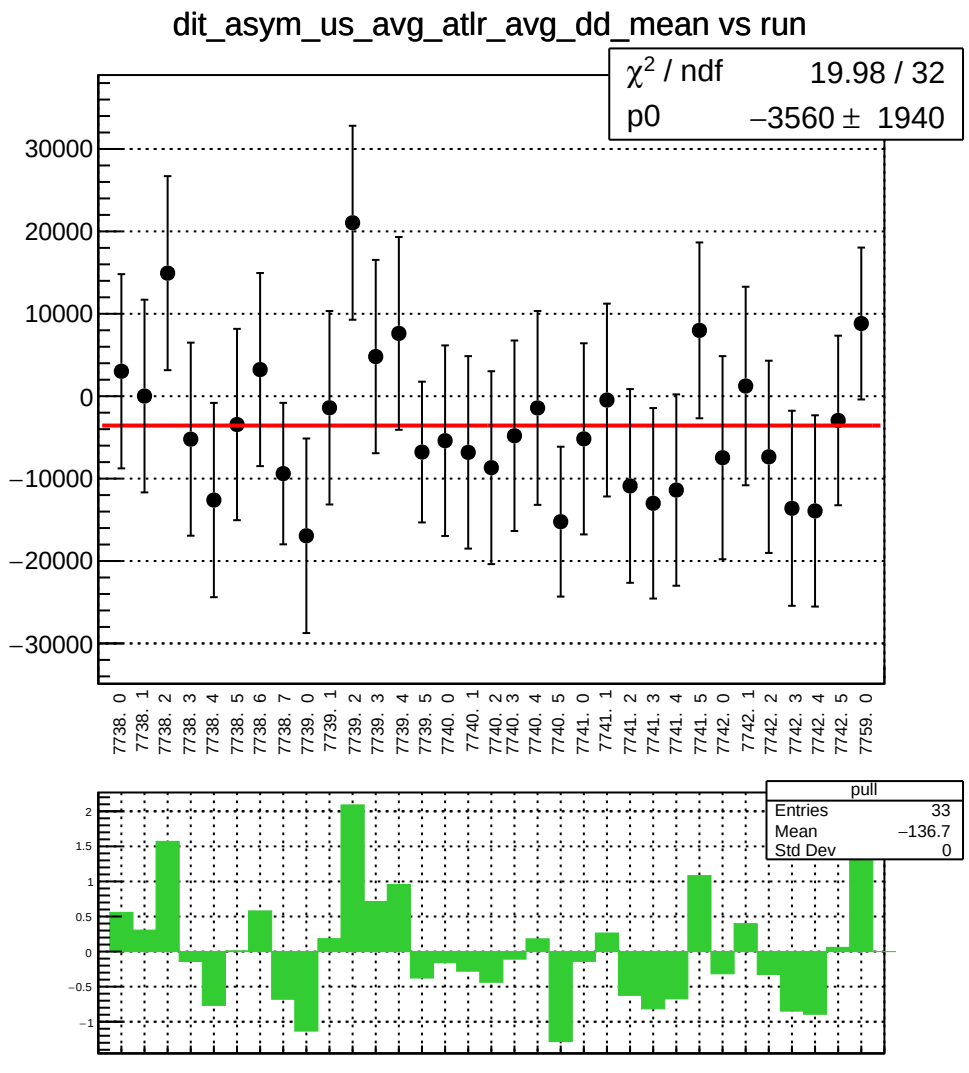

pull1D
Entries 33
Mean 0.01081
Std Dev 0.7543
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

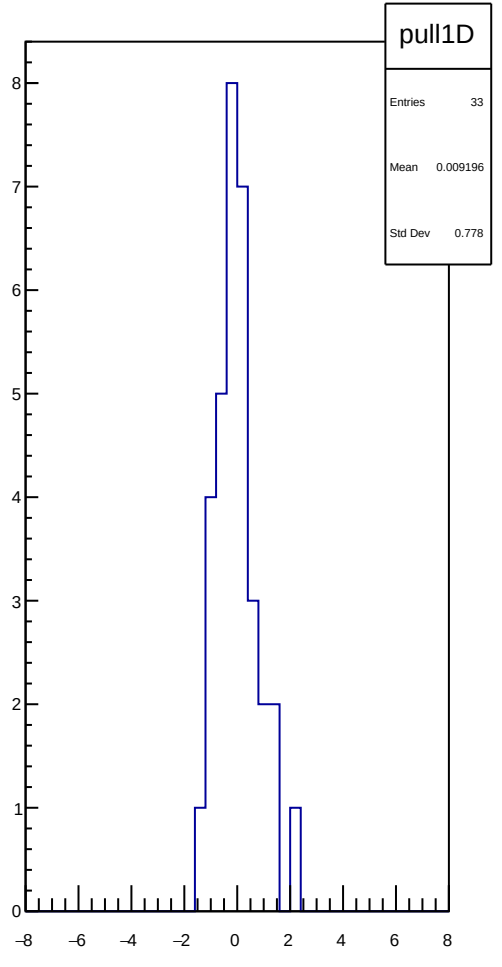

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 167.6 / 32
p0 1111 ± 1.365
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

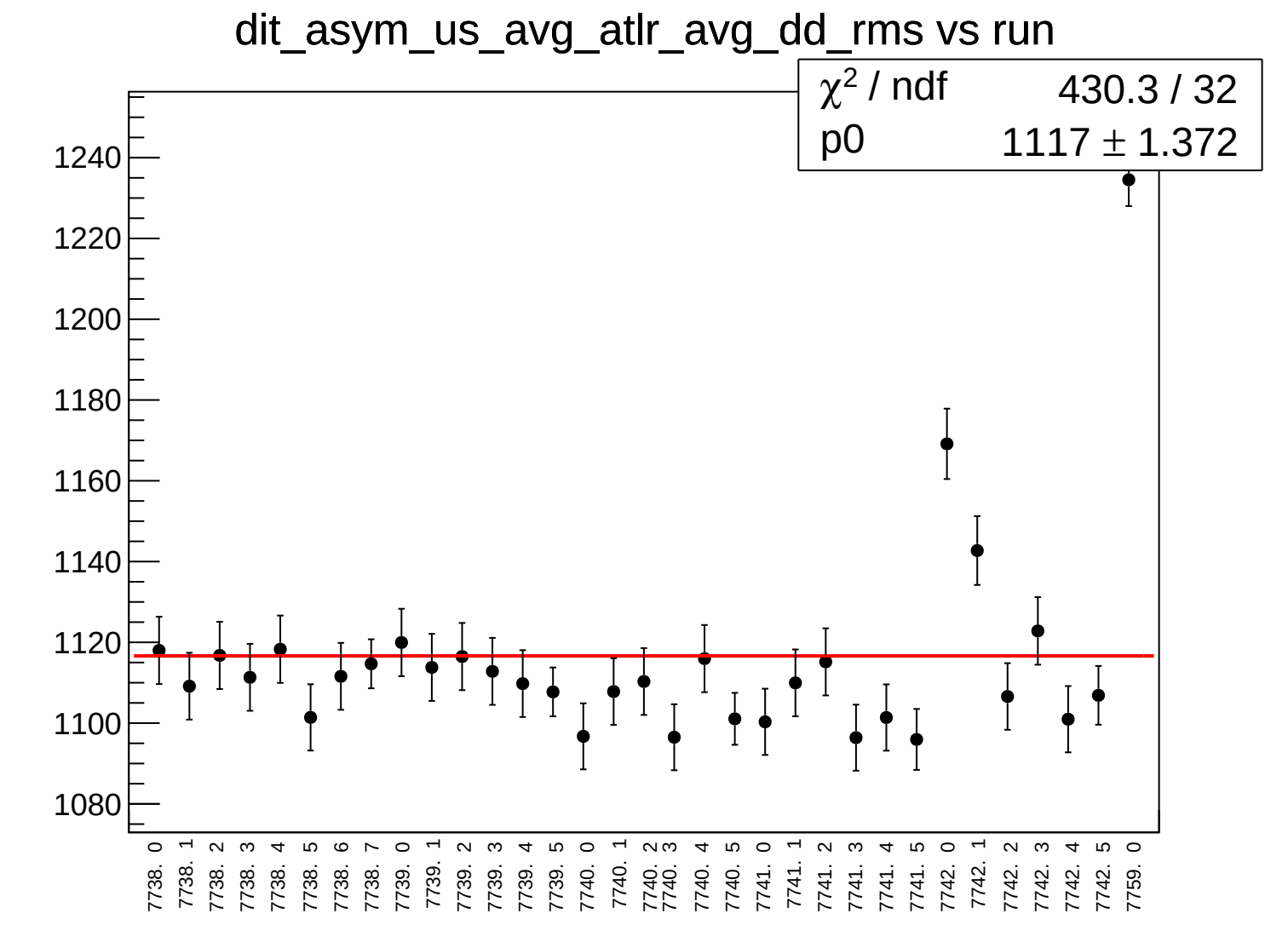

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 34.81 / 32
p0 1393 ± 8816
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

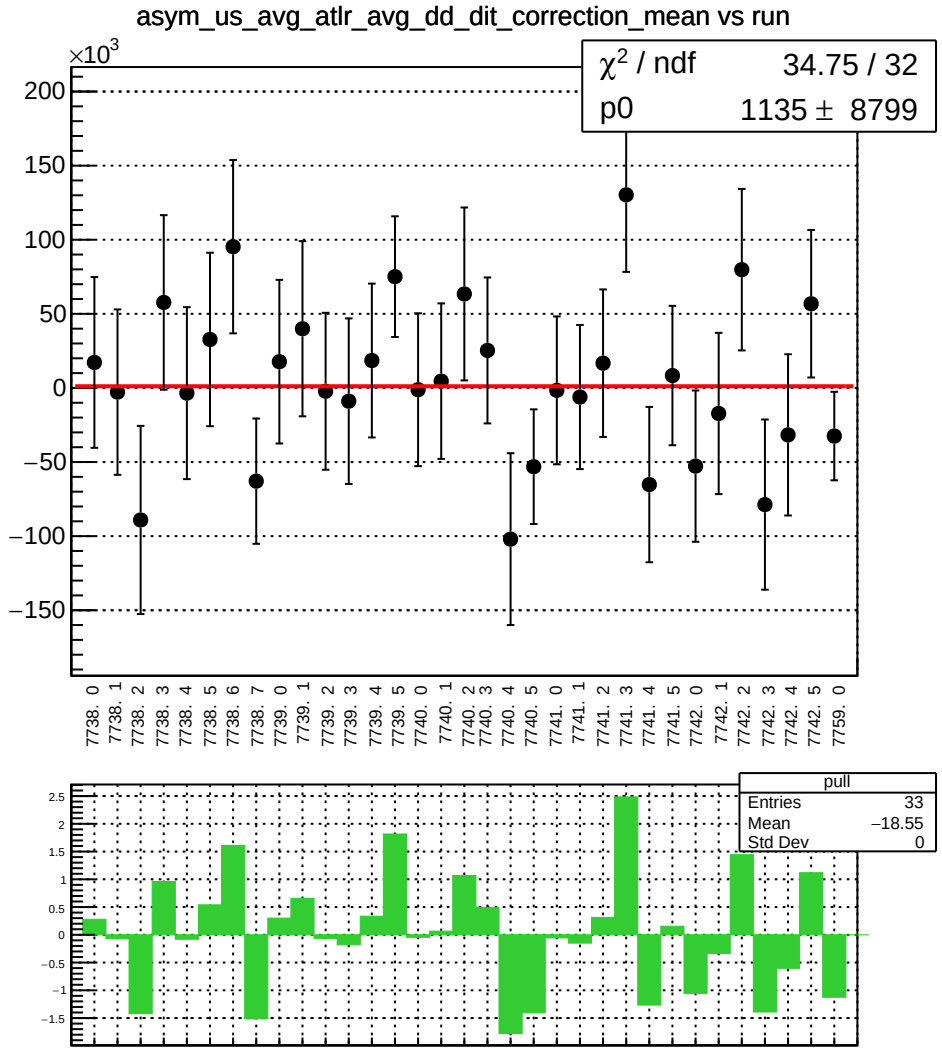

pull1D
Entries 33
Mean 0.02782
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

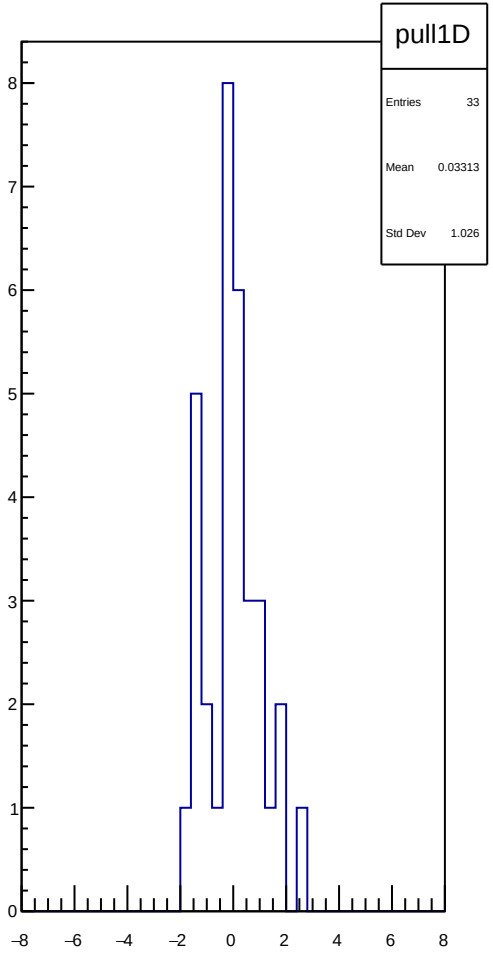

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3716 / 32
p0 5061 ± 6.234
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

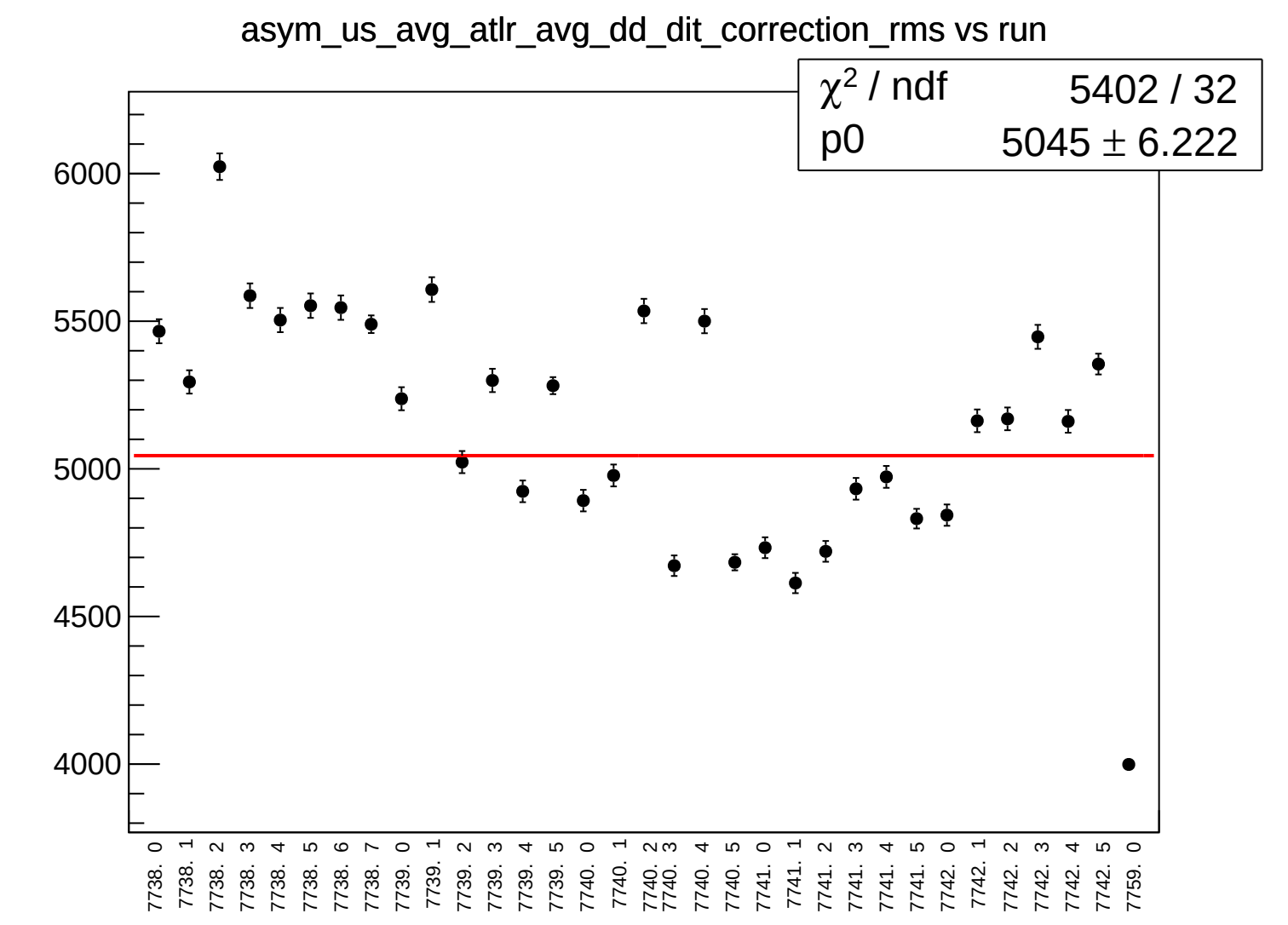

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 19.98 / 32
p0 −3560 ± 1940
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −136.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

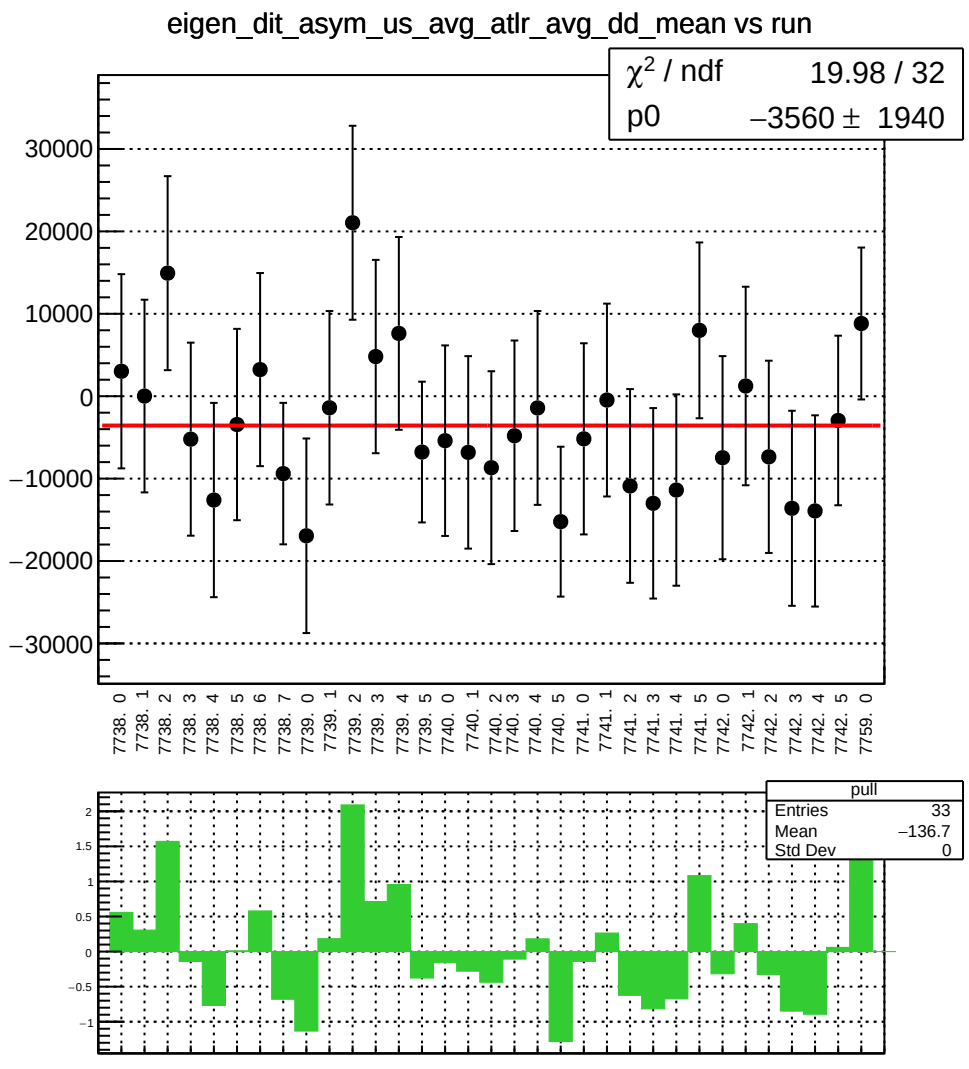

pull1D
Entries 33
Mean 0.009196
Std Dev 0.778
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

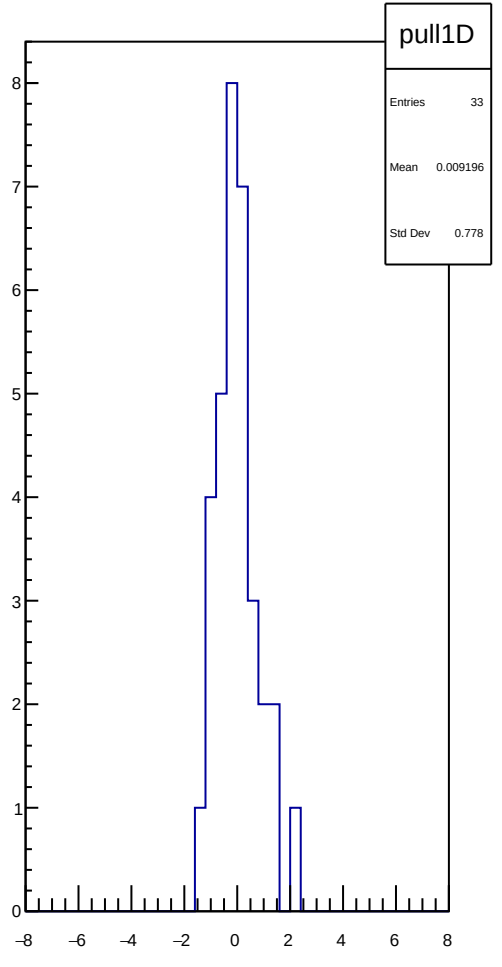

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 430.3 / 32
p0 1117 ± 1.372
1240
1220
1200
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

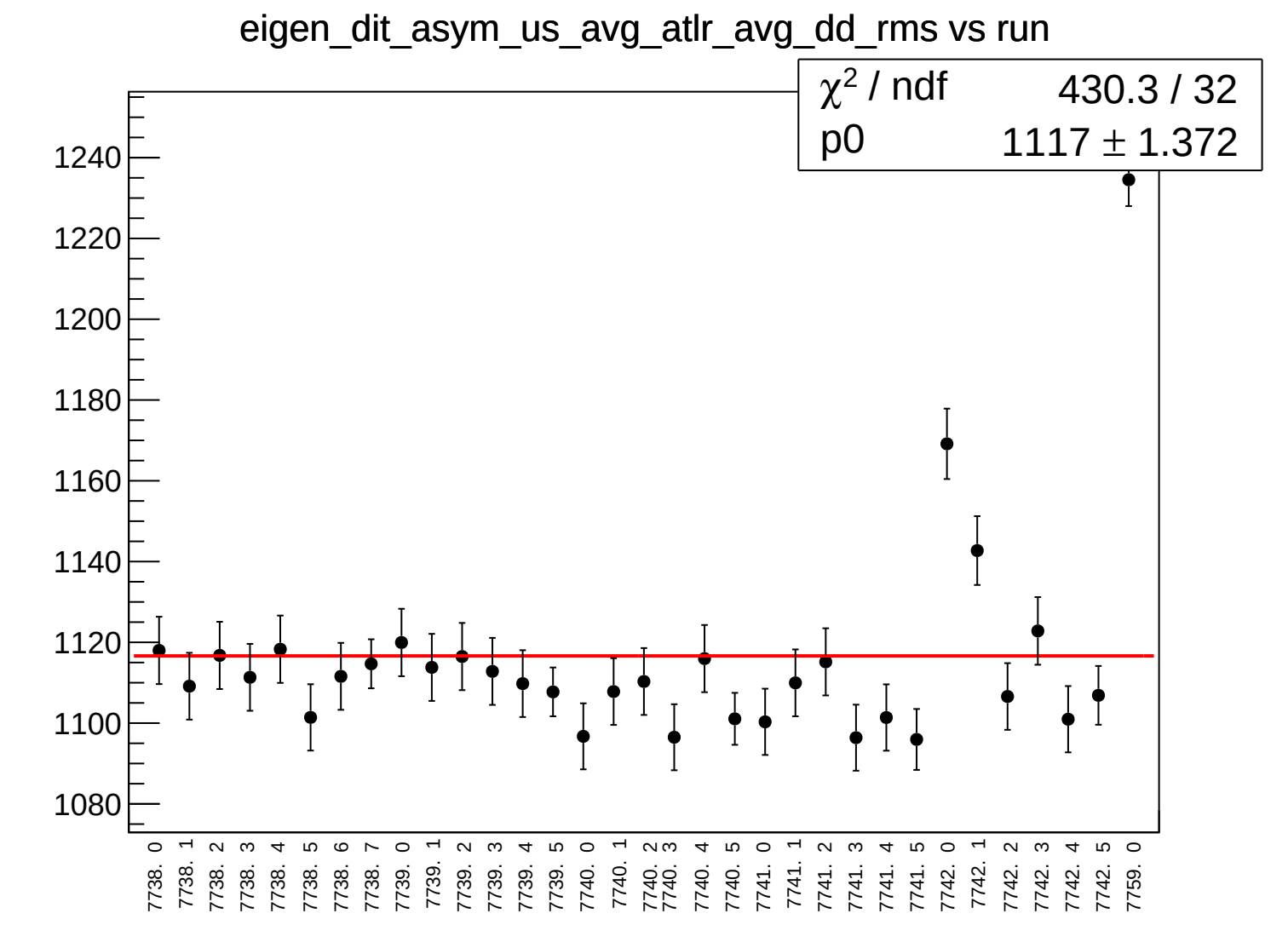

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 34.75 / 32
p0 1135 ± 8799
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.55
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

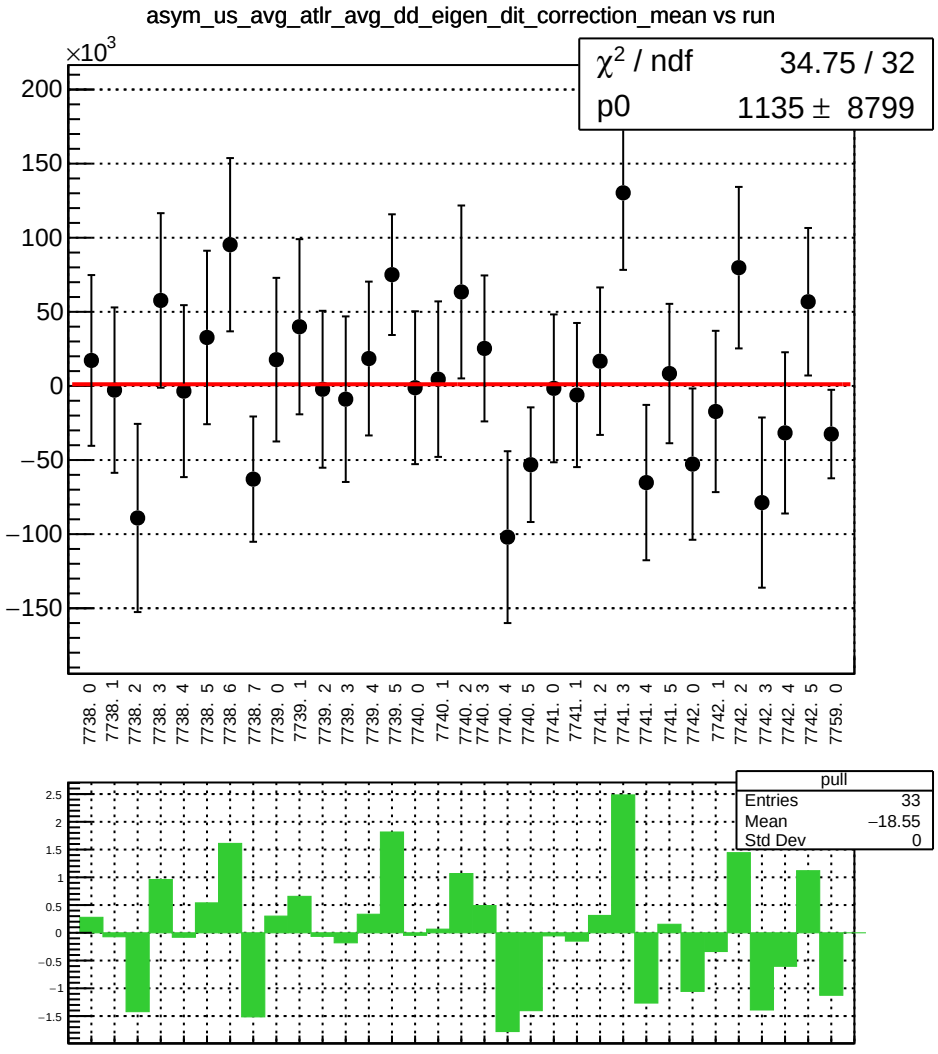

pull1D
Entries 33
Mean 0.03313
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

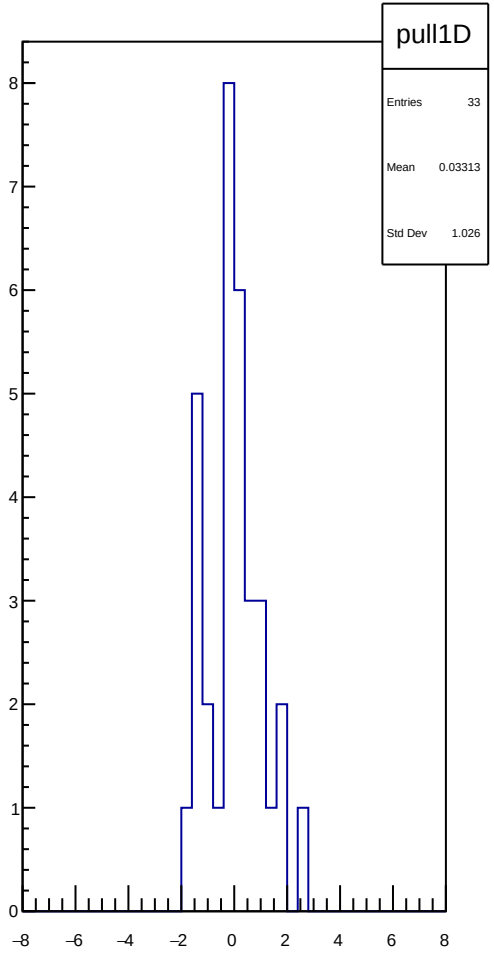

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 5402 / 32
p0 5045 ± 6.222
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

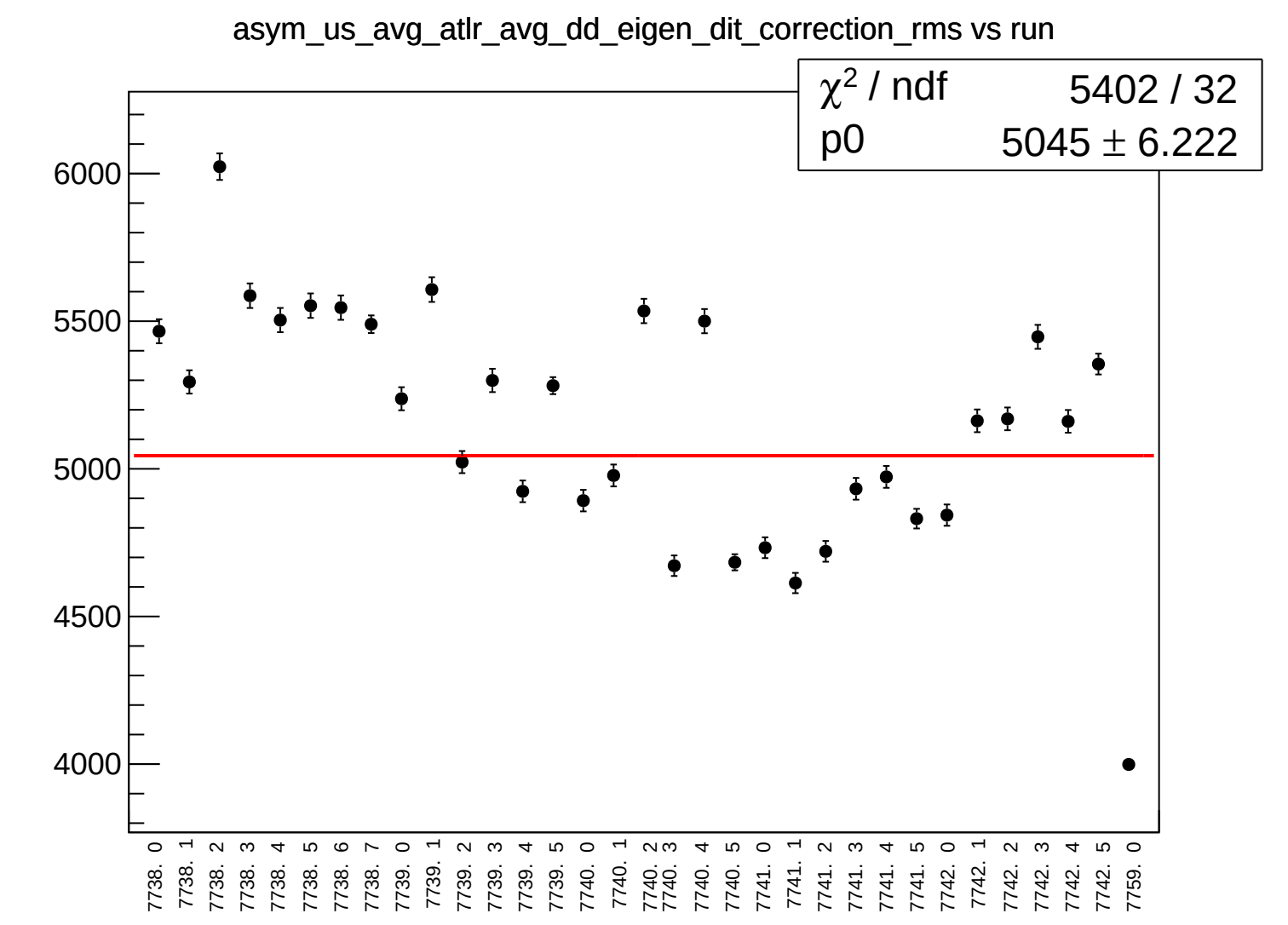

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 19.98 / 32
p0 −3560 ± 1940
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −136.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

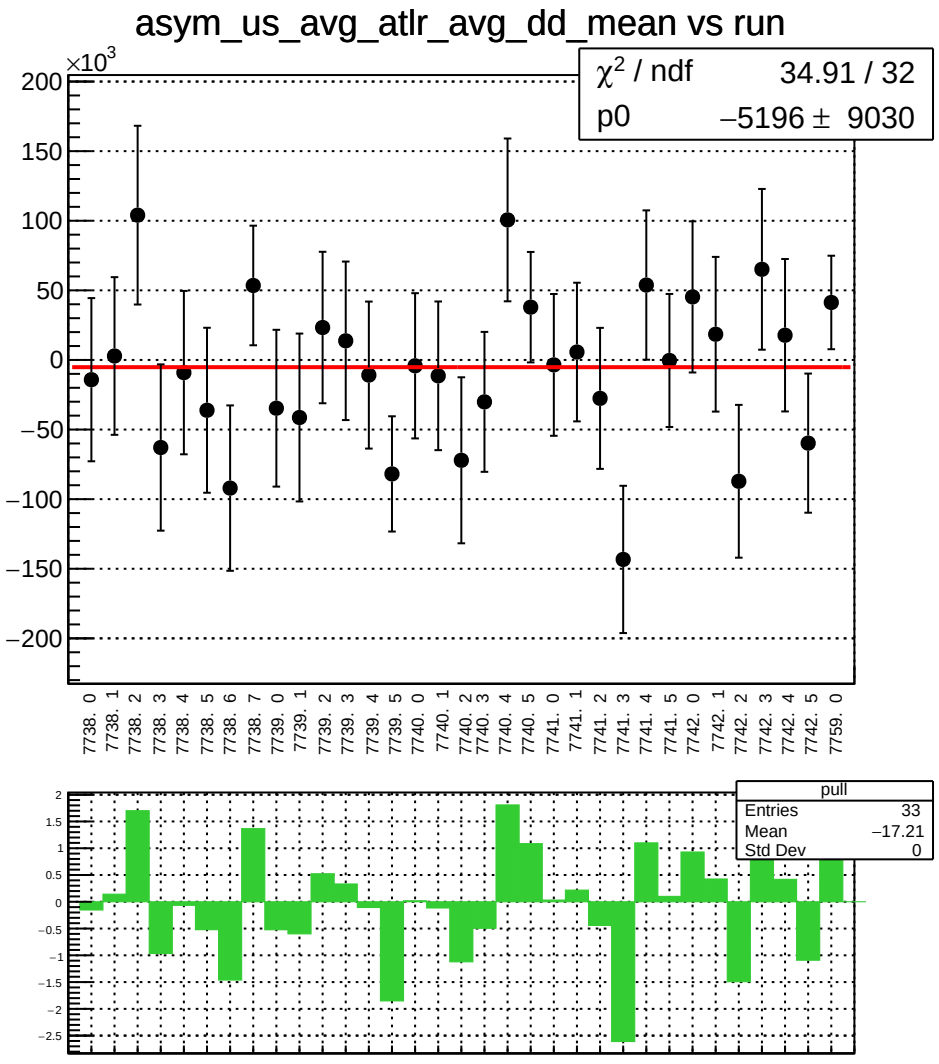

pull1D
Entries 33
Mean 0.009196
Std Dev 0.778
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

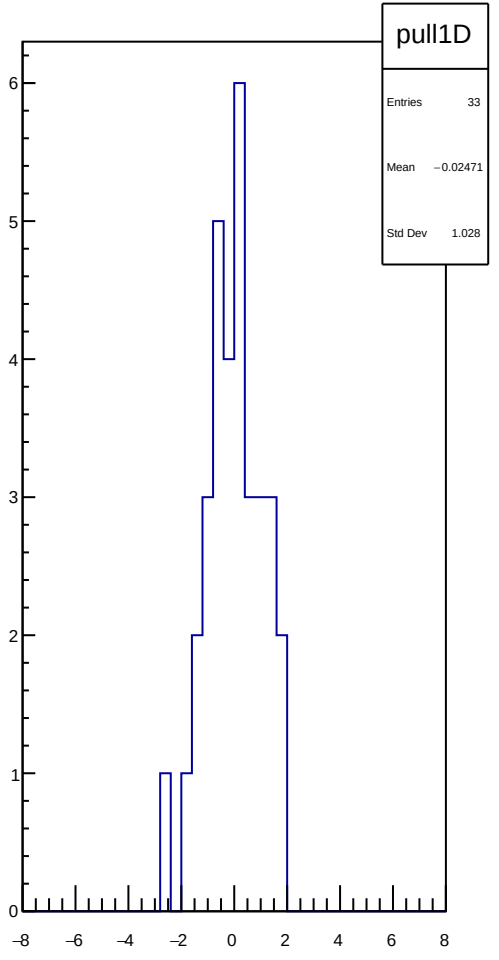

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 430.3 / 32
p0 1117 ± 1.372
1240
1220
1200
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

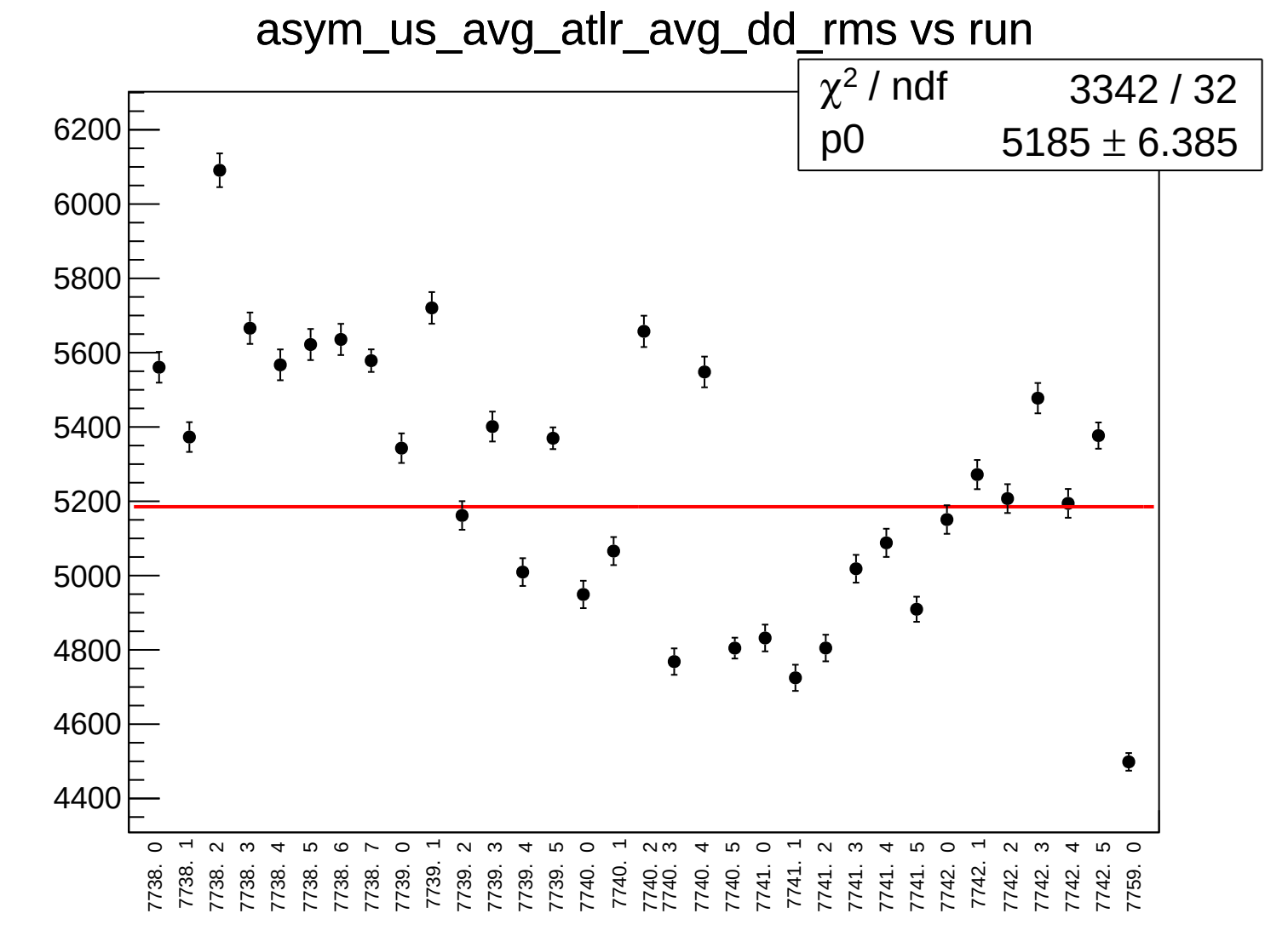

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 34.75 / 32
p0 1135 ± 8799
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.55
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

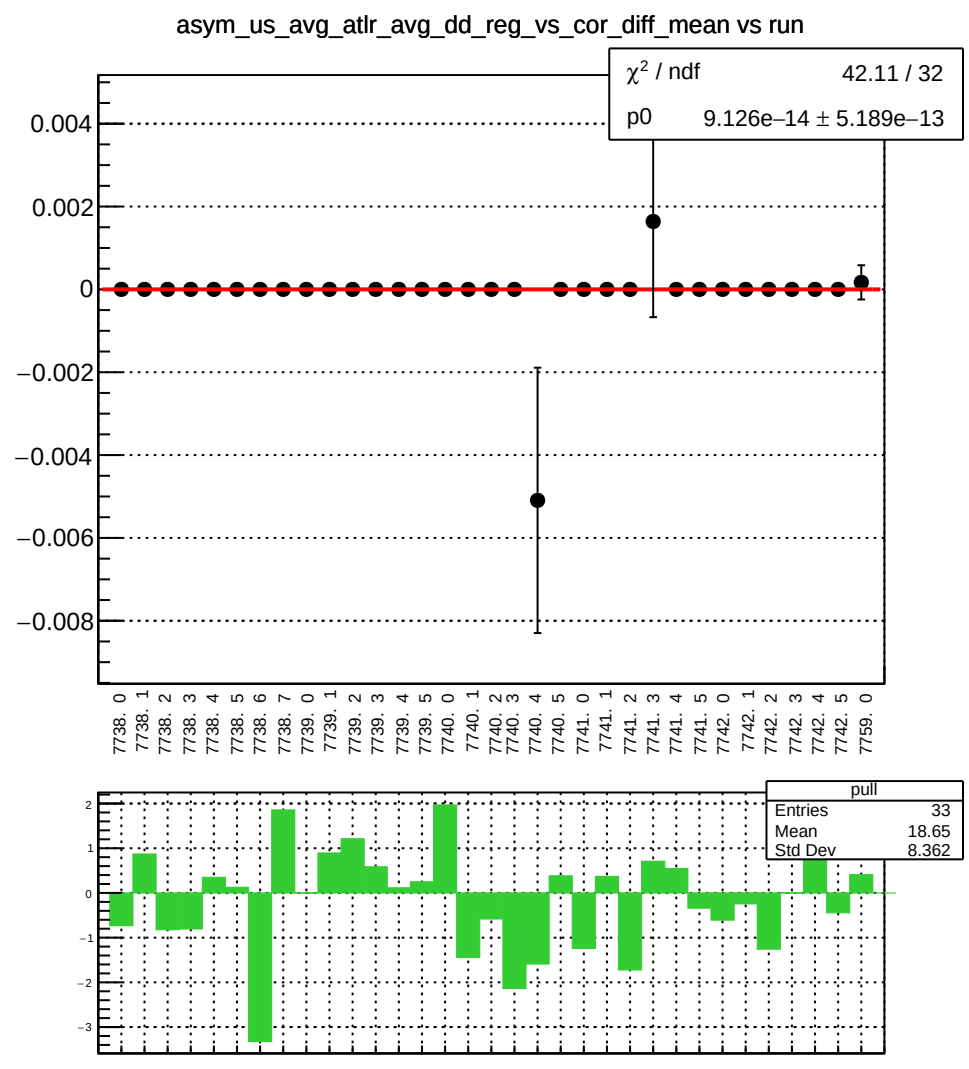

pull1D
Entries 33
Mean 0.03313
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

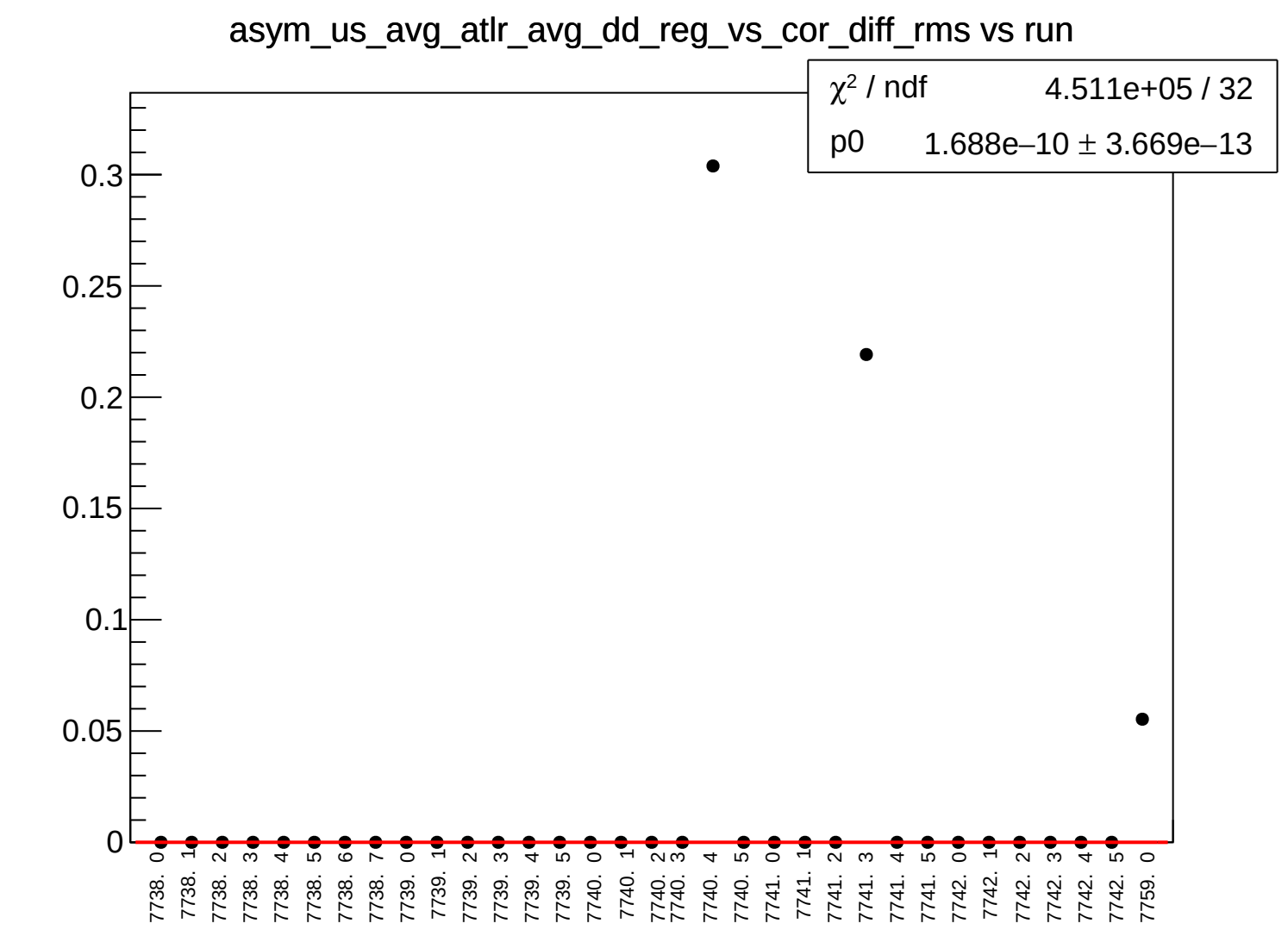

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 5402 / 32
p0 5045 ± 6.222
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

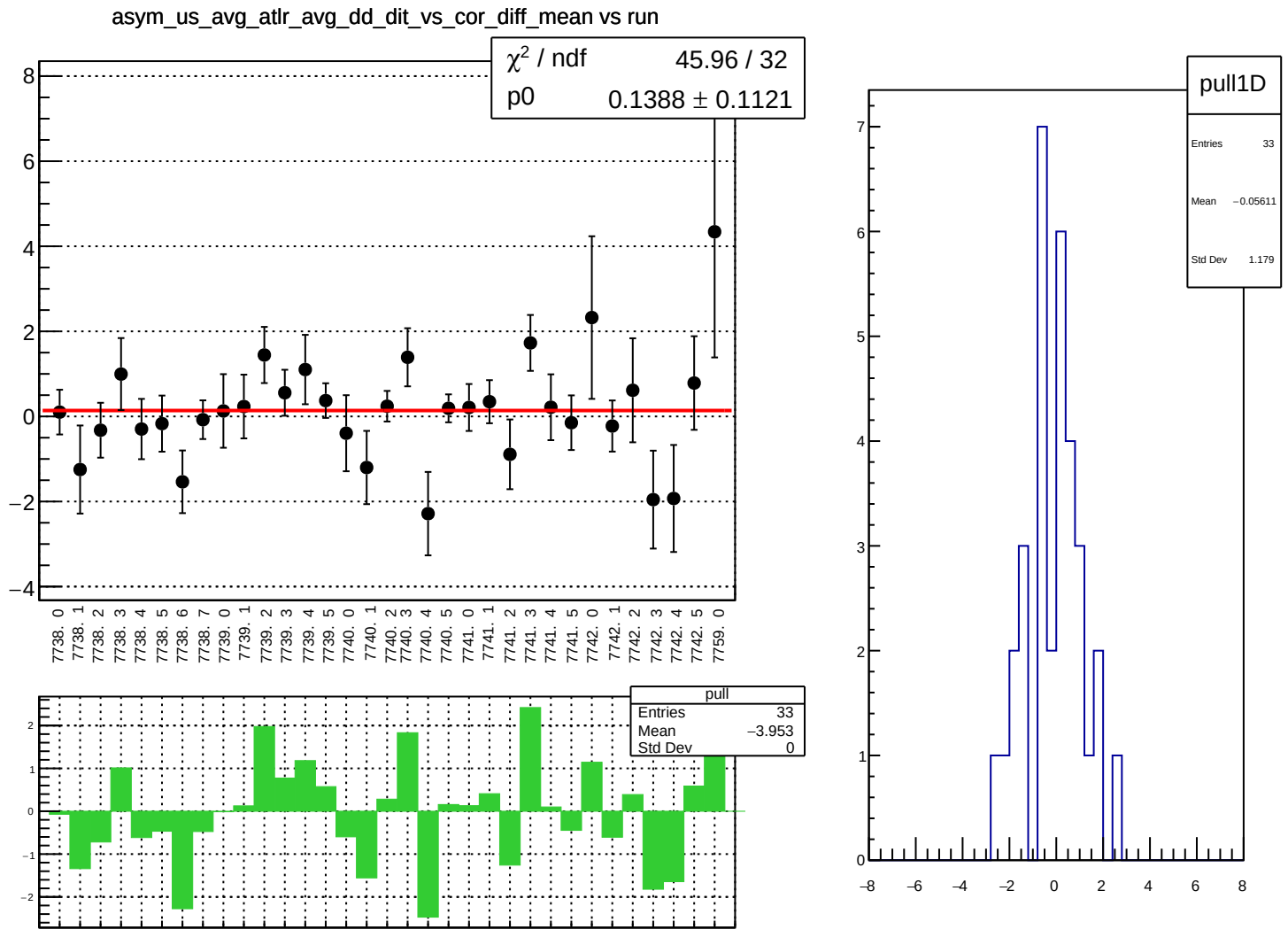

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ^2 / ndf 34.91 / 32
p0 −5196 ± 9030
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −17.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

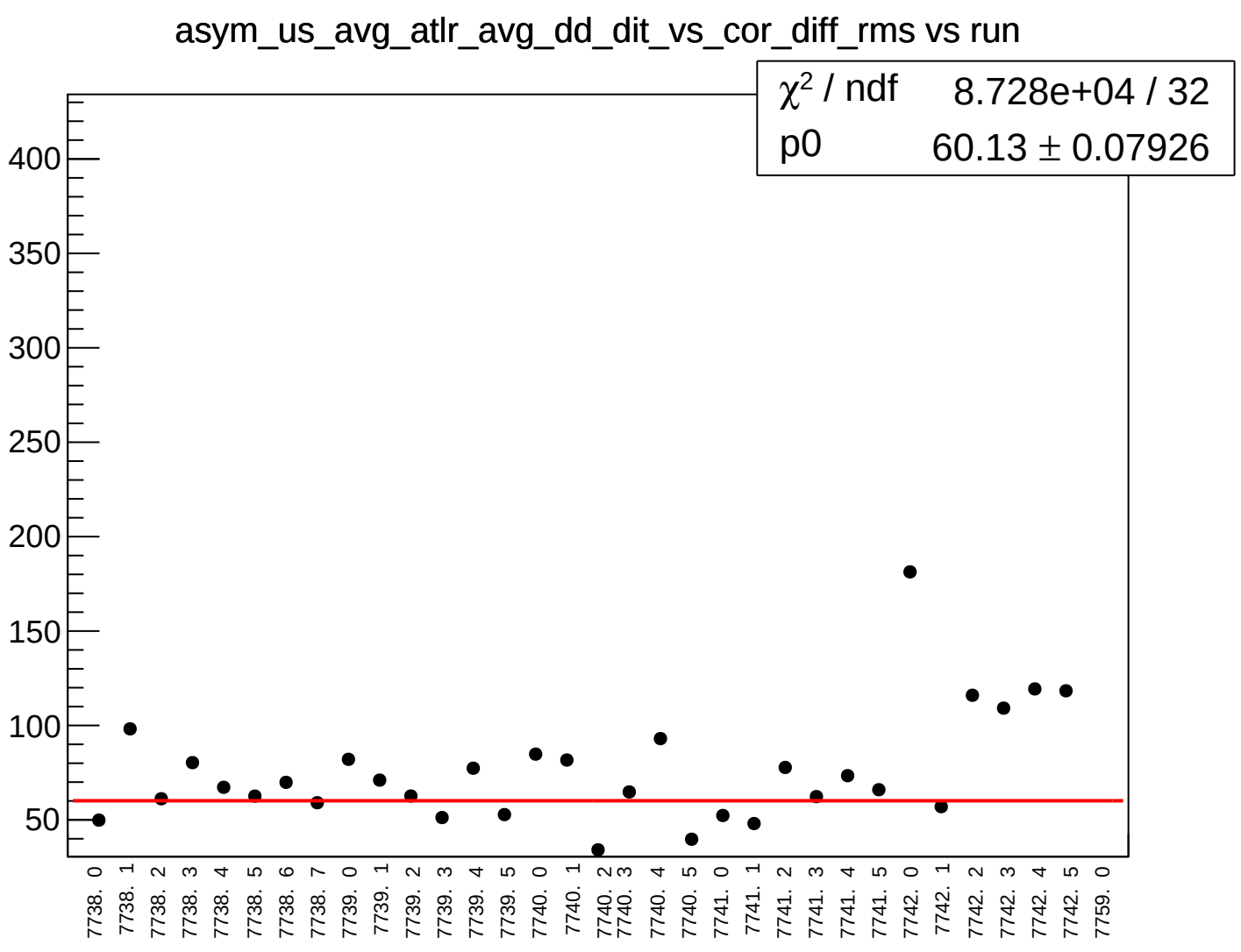

pull1D
Entries 33
Mean −0.02471
Std Dev 1.028
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

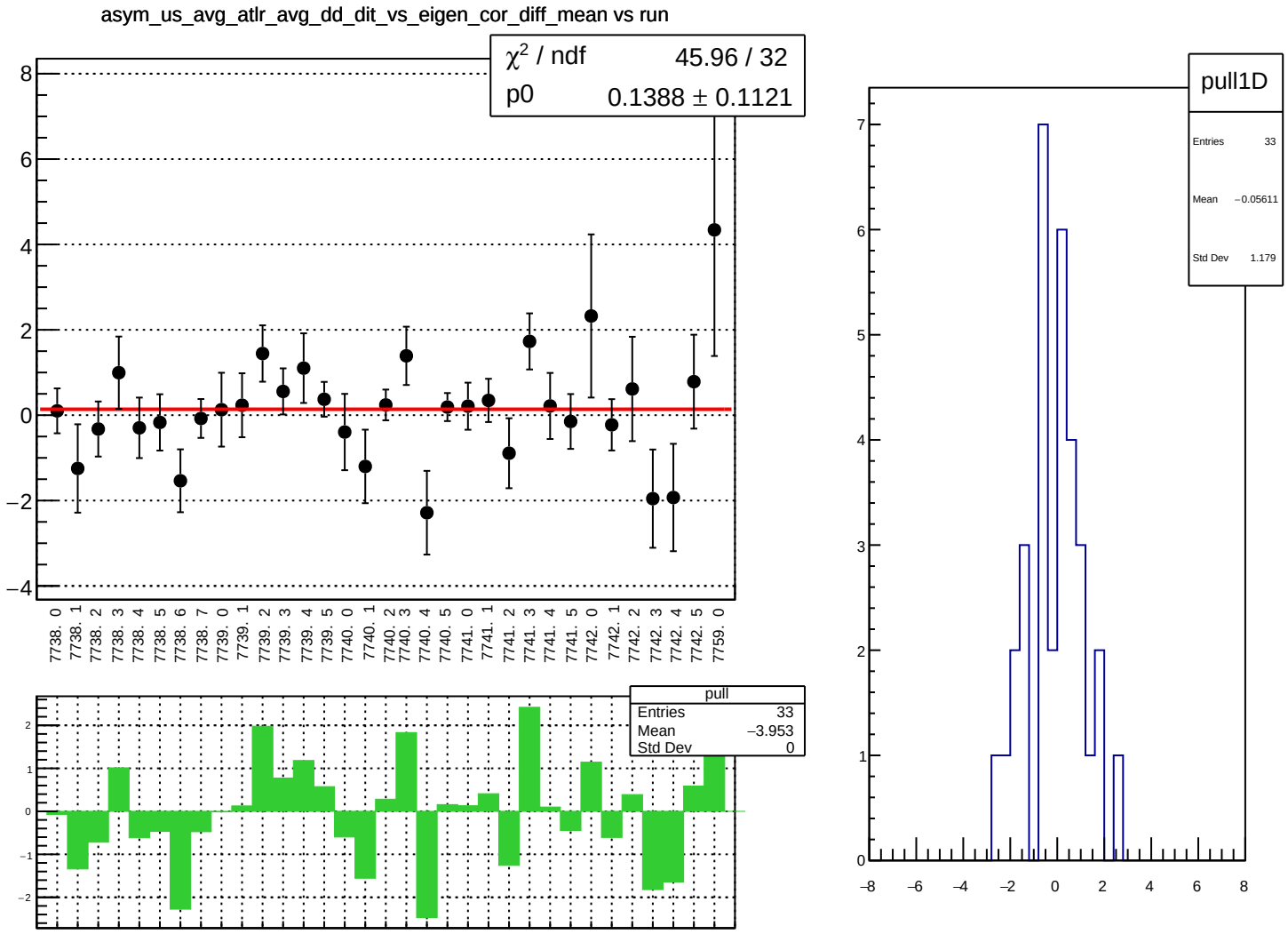

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3342 / 32
p0 5185 ± 6.385
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

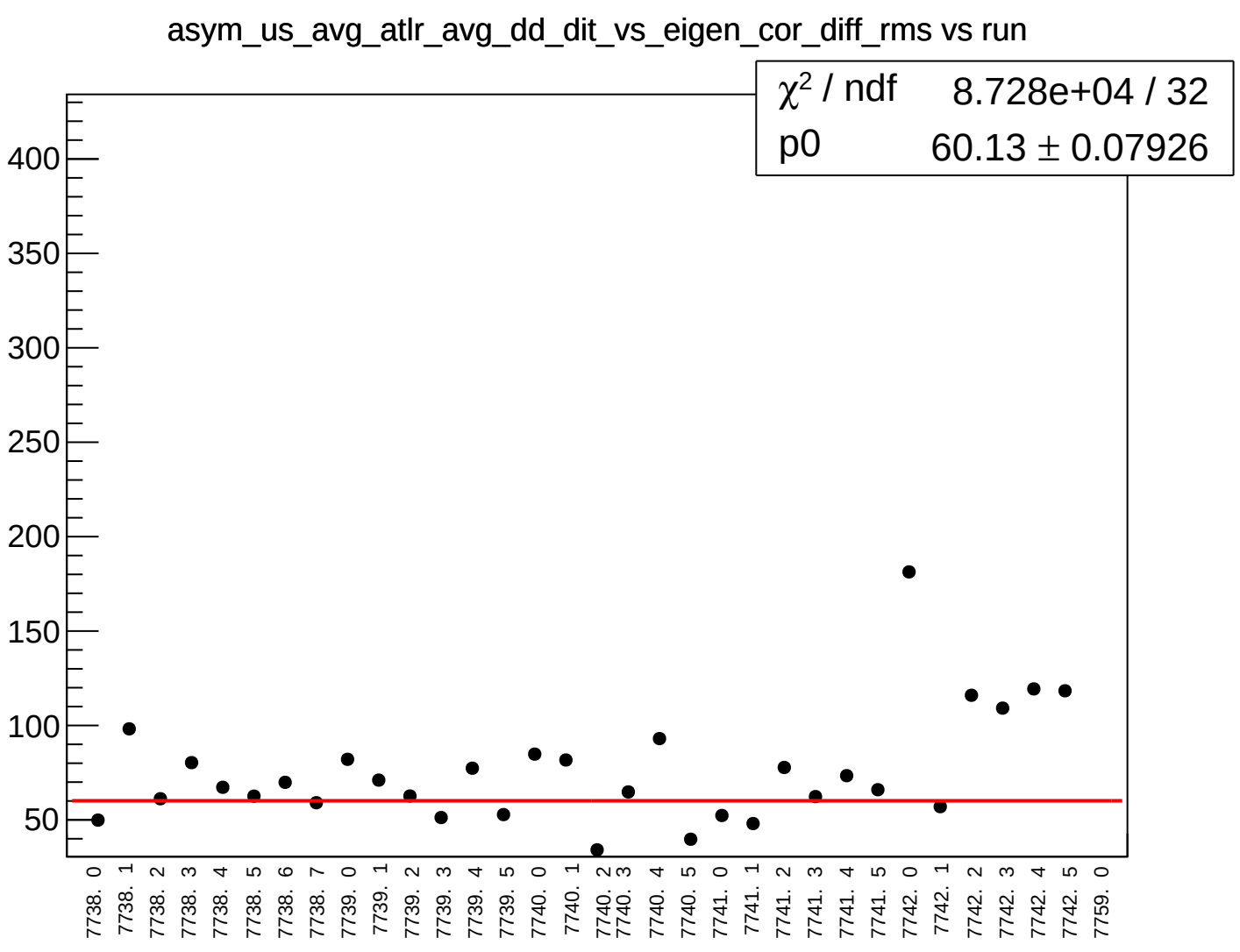

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.11 / 32
p0 9.126e−14 ± 5.189e−13
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.65
Std Dev 8.362
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.1764
Std Dev 1.116
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

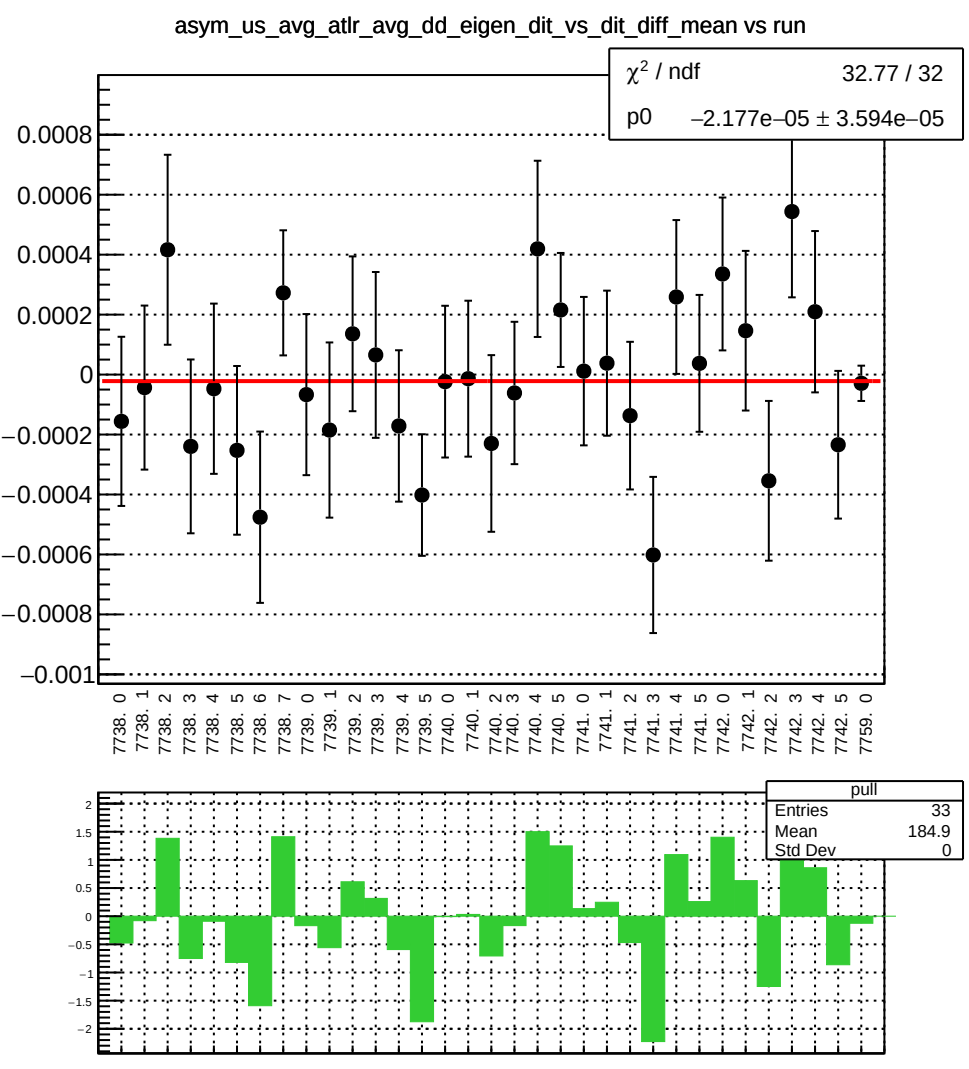

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.511e+05 / 32
p0 1.688e−10 ± 3.669e−13
0.3
0.25
0.2
0.15
0.1
0.05
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

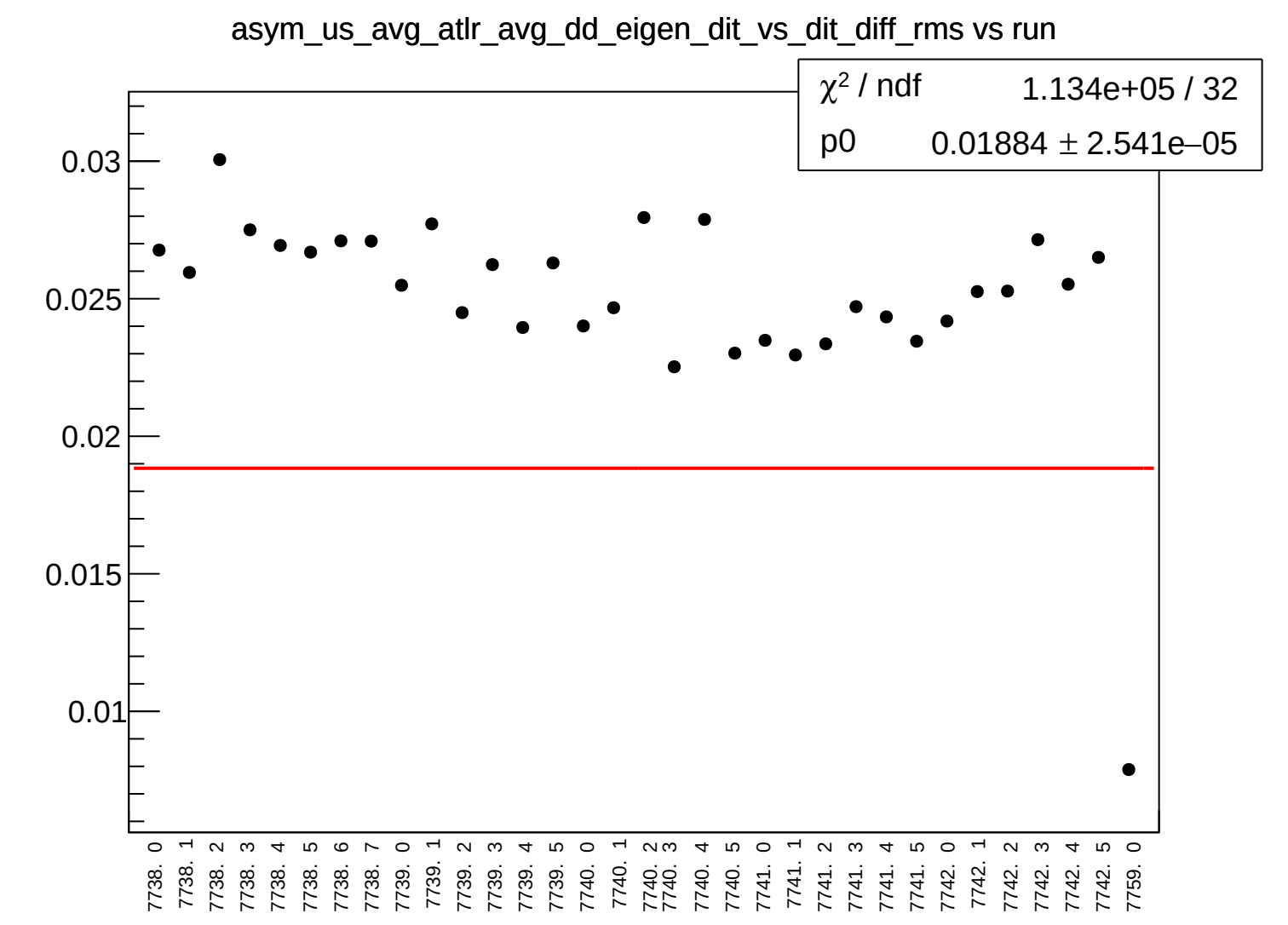

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.96 / 32
p0 0.1388 ± 0.1121
8
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.953
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.05611
Std Dev 1.179
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

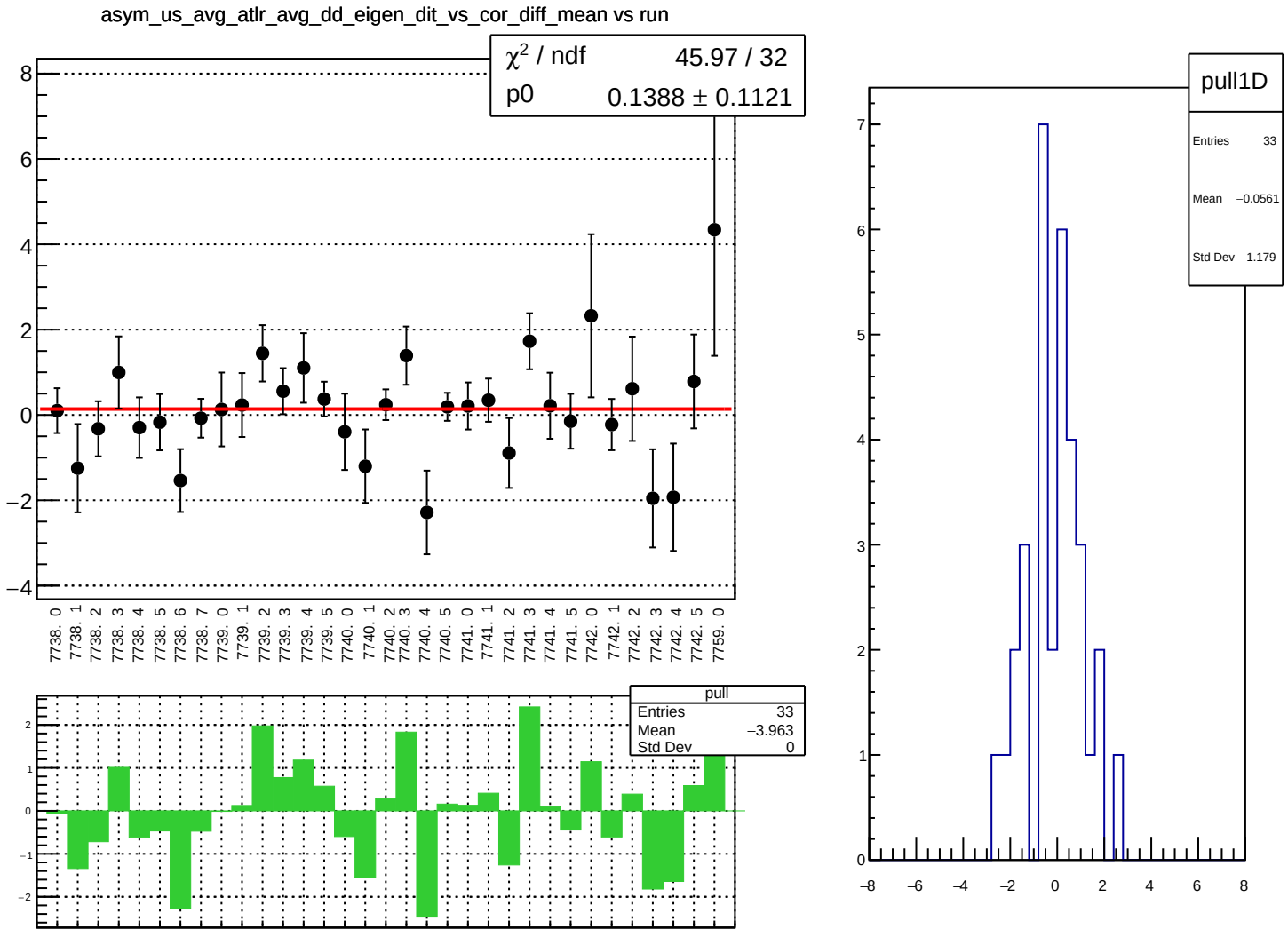

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.728e+04 / 32
p0 60.13 ± 0.07926
400
350
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

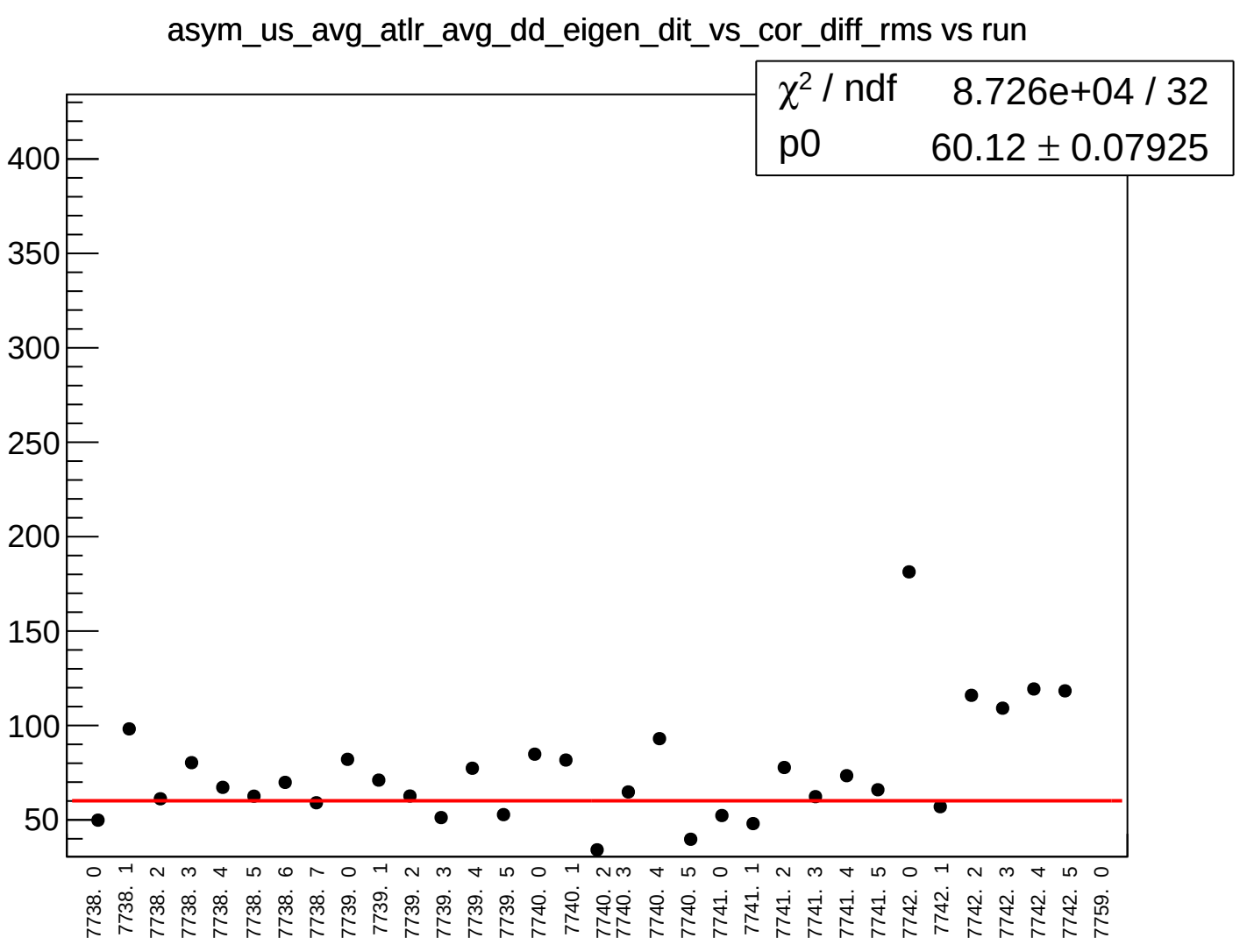

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.96 / 32
p0 0.1388 ± 0.1121
pull
Entries 33
Mean −3.953
Std Dev 0
pull1D
Entries 33
Mean −0.05611
Std Dev 1.179

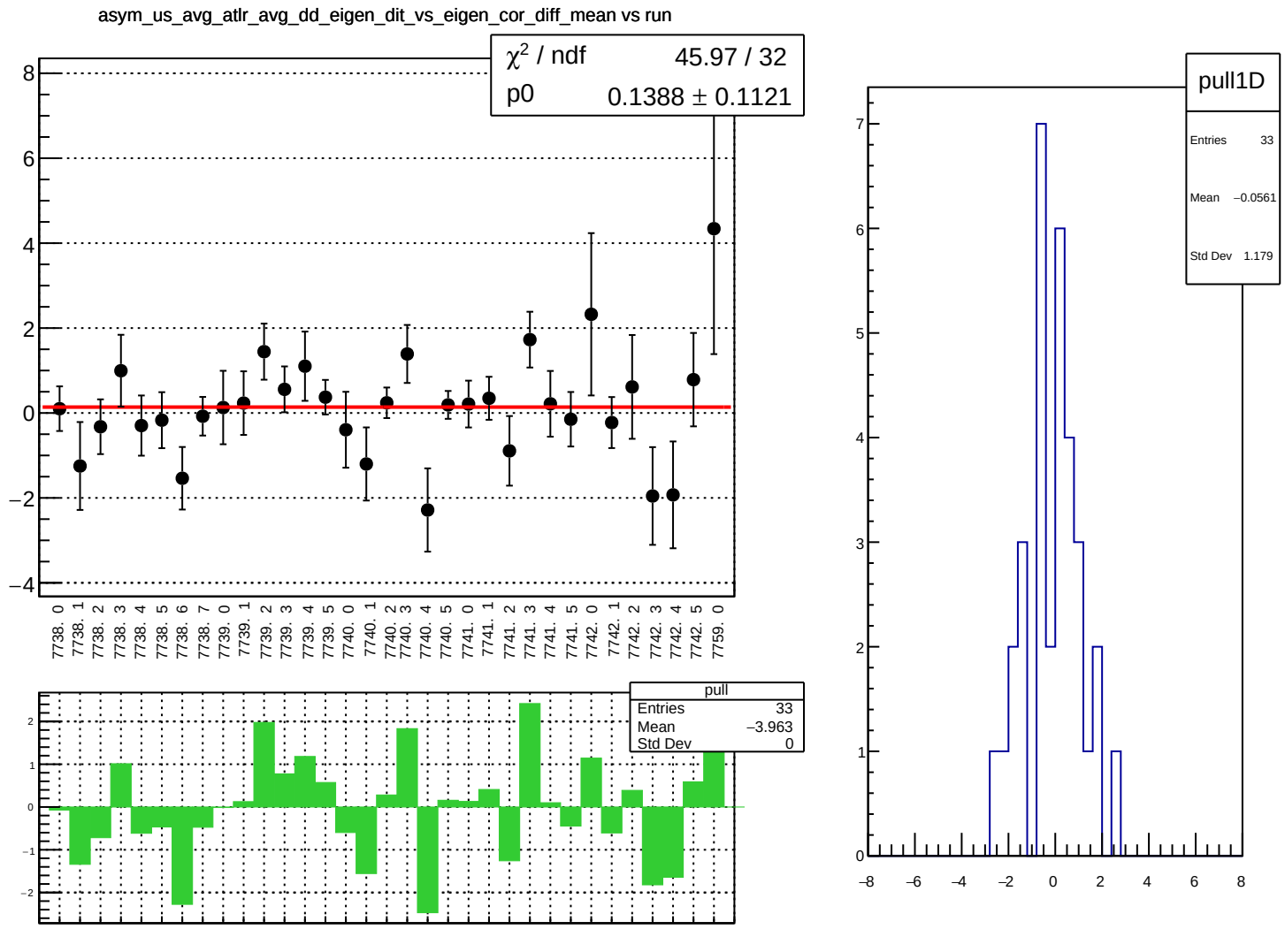

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.728e+04 / 32
p0 60.13 ± 0.07926
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

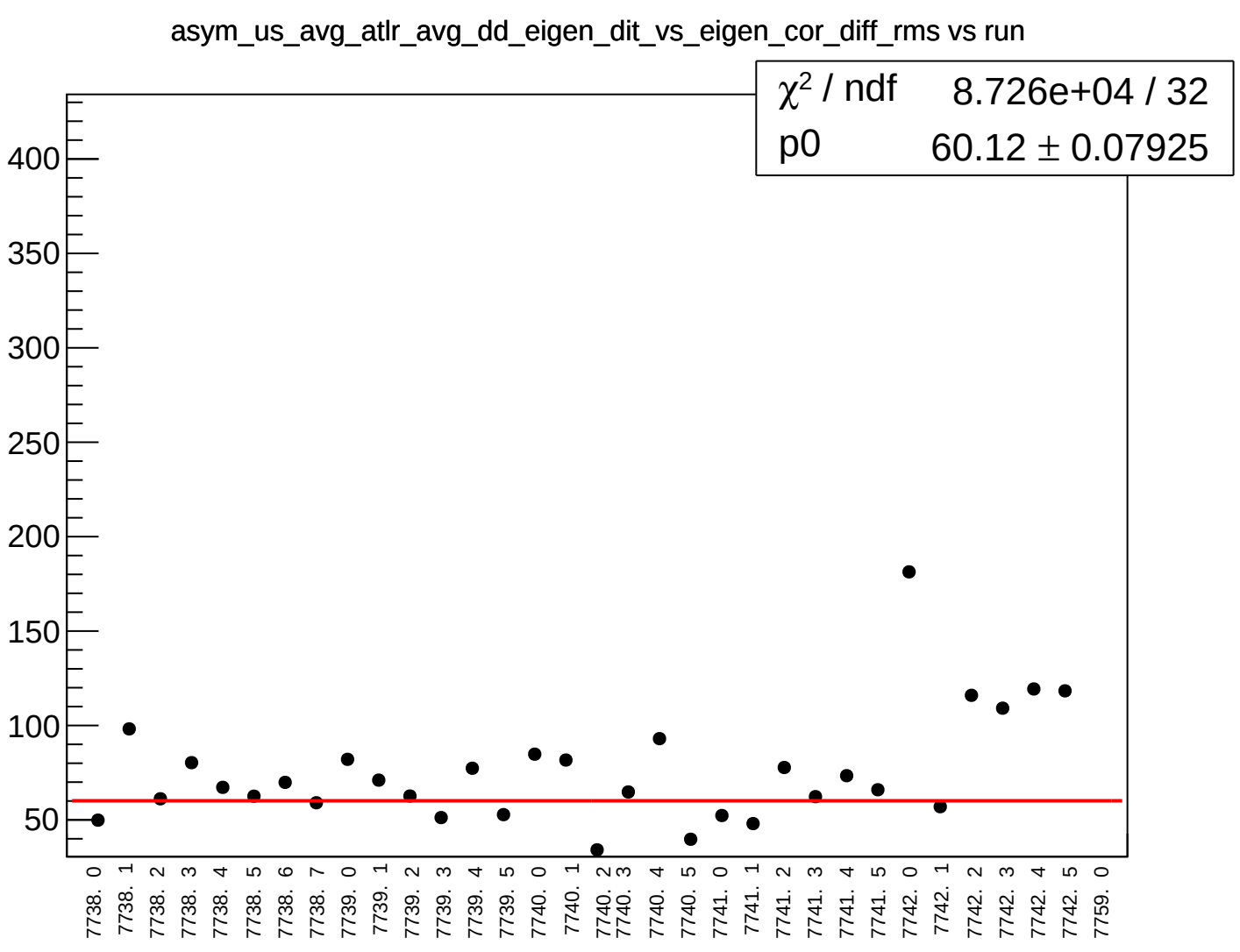

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 32.77 / 32
p0 −2.177e−05 ± 3.594e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 184.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.009057
Std Dev 0.9964
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

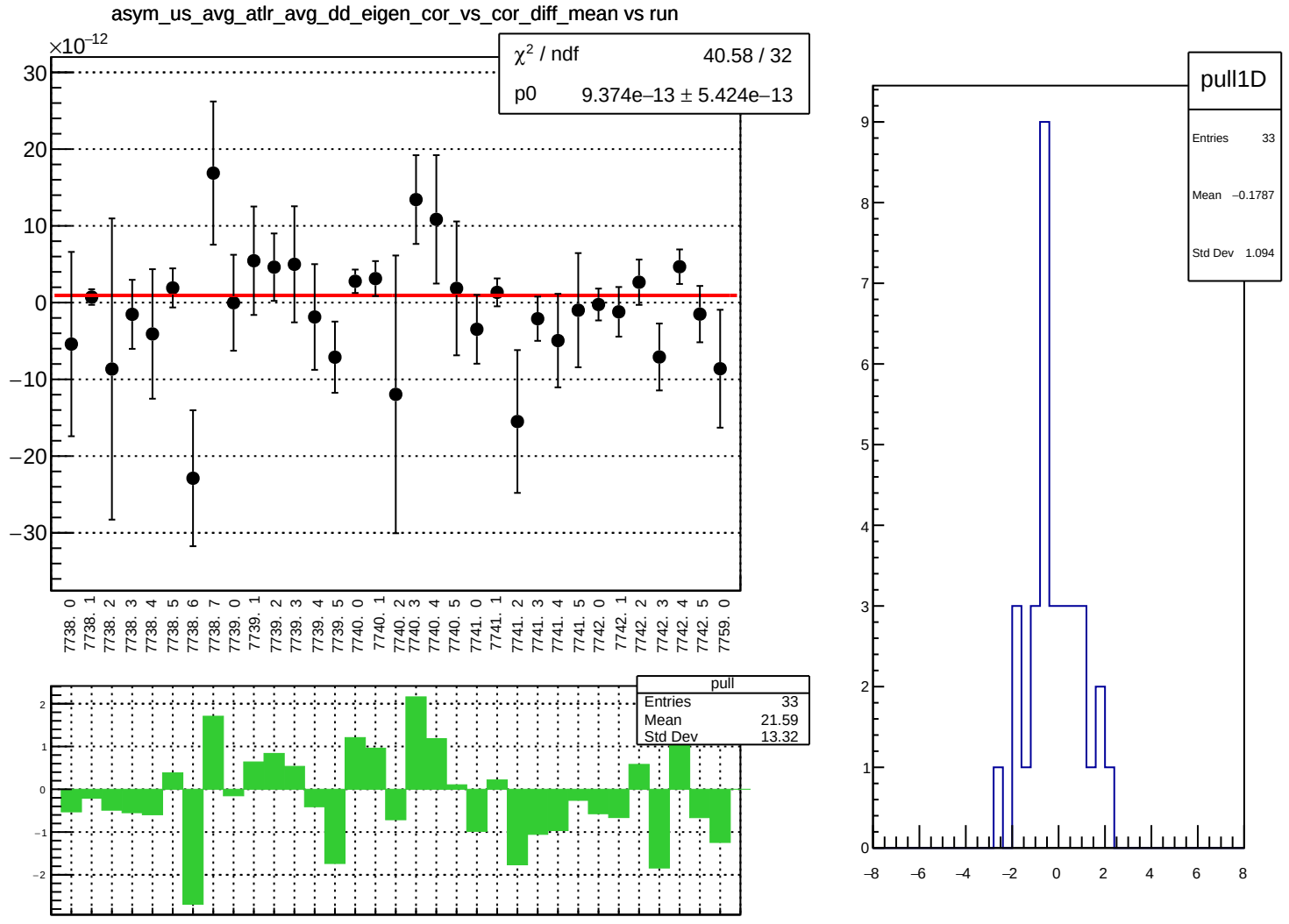

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.134e+05 / 32
p0 0.01884 ± 2.541e−05
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

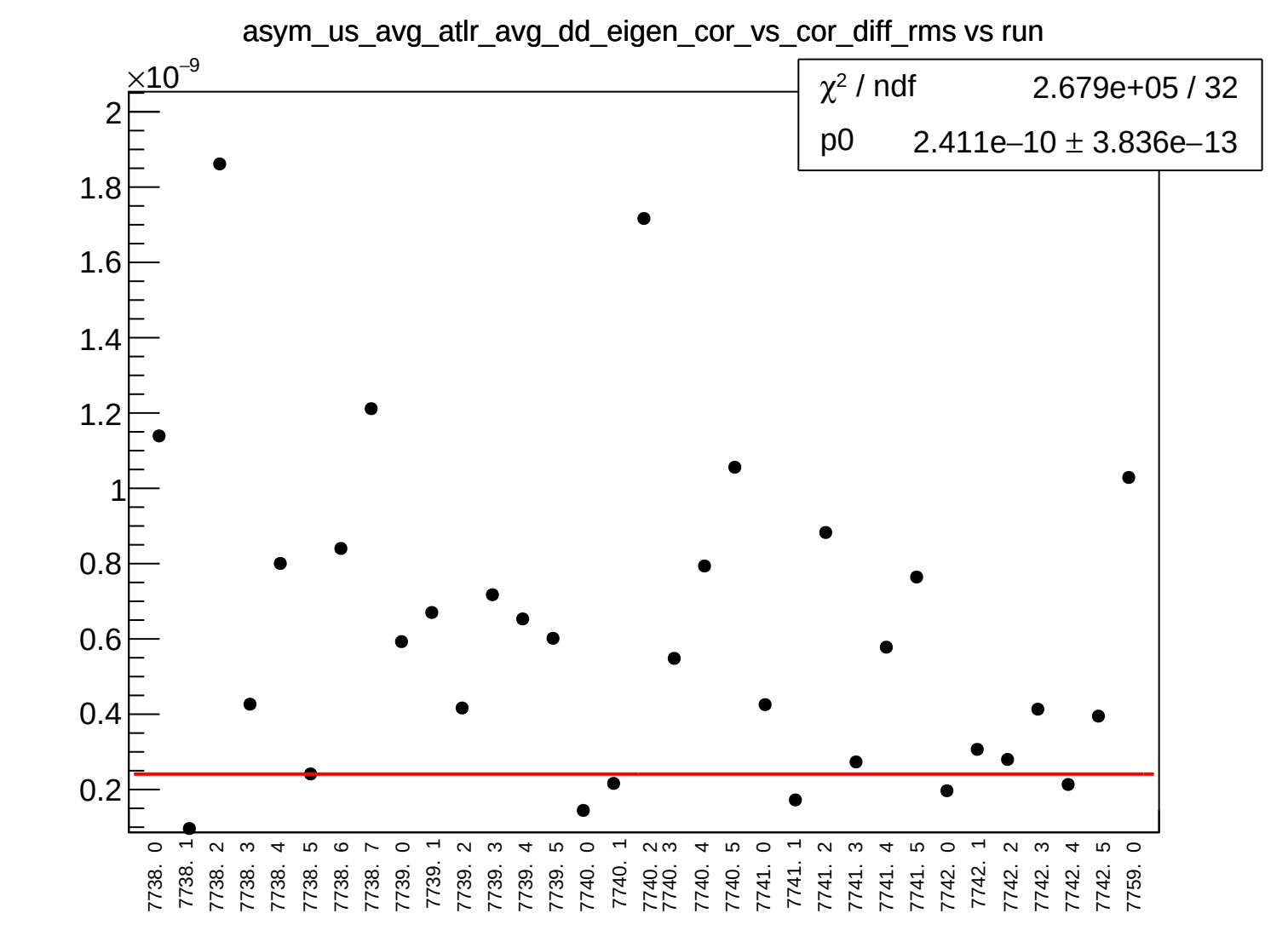

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.97 / 32
p0 0.1388 ± 0.1121
8
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.963
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0561
Std Dev 1.179
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

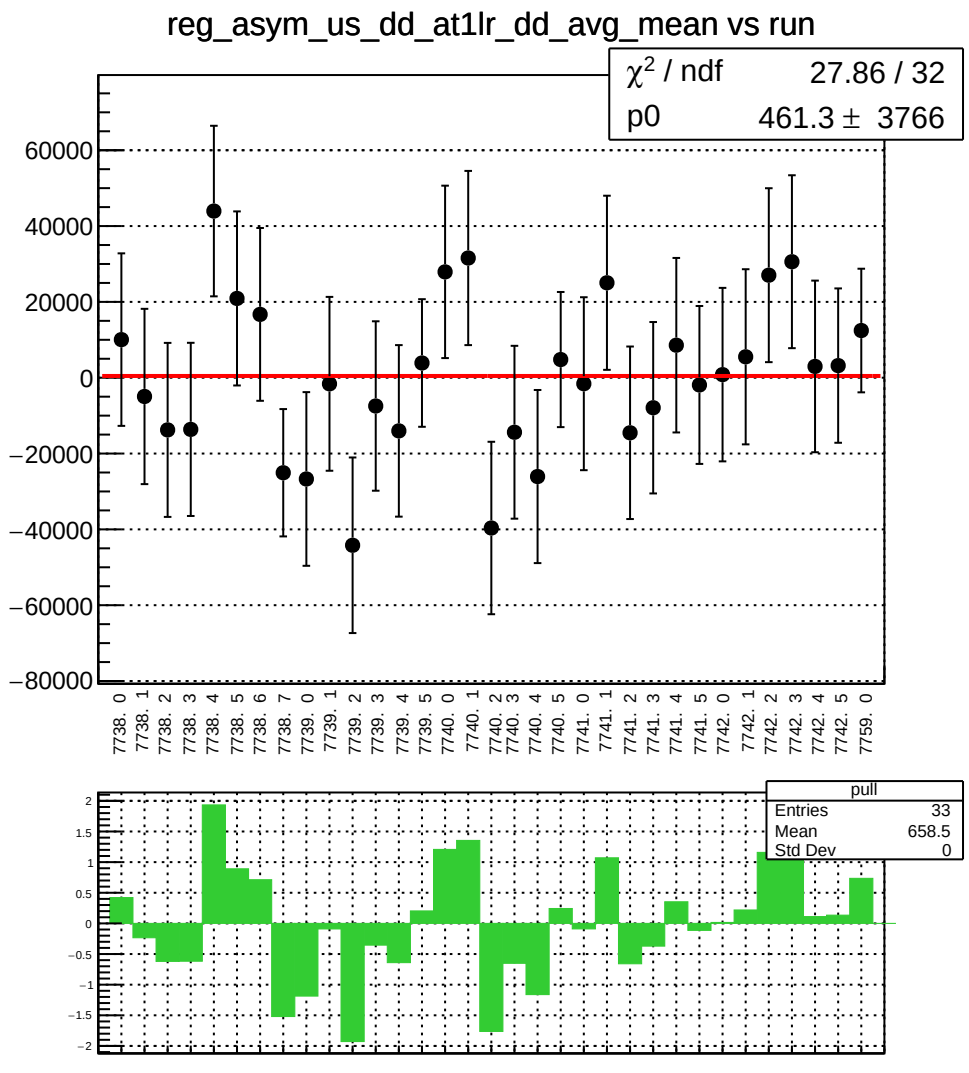

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.726e+04 / 32
p0 60.12 ± 0.07925
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

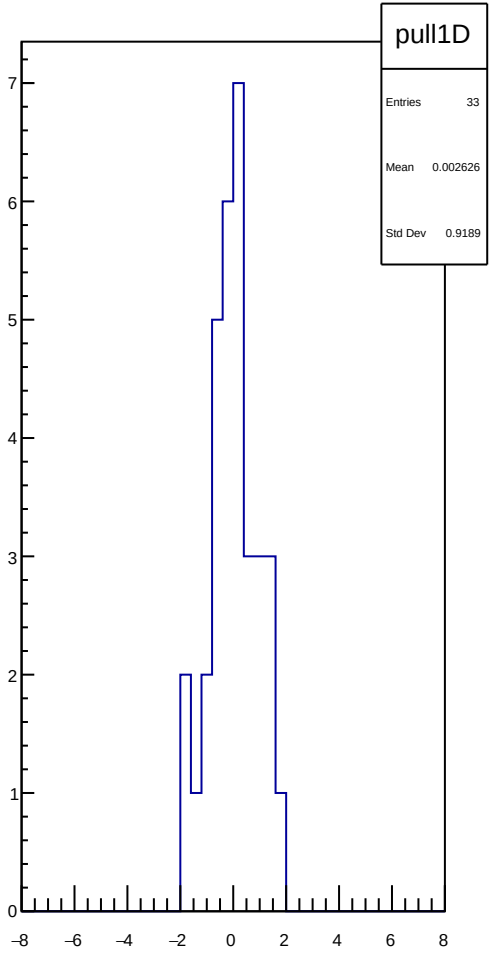

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.97 / 32
p0 0.1388 ± 0.1121
pull
Entries 33
Mean −3.963
Std Dev 0
pull1D
Entries 33
Mean −0.0561
Std Dev 1.179

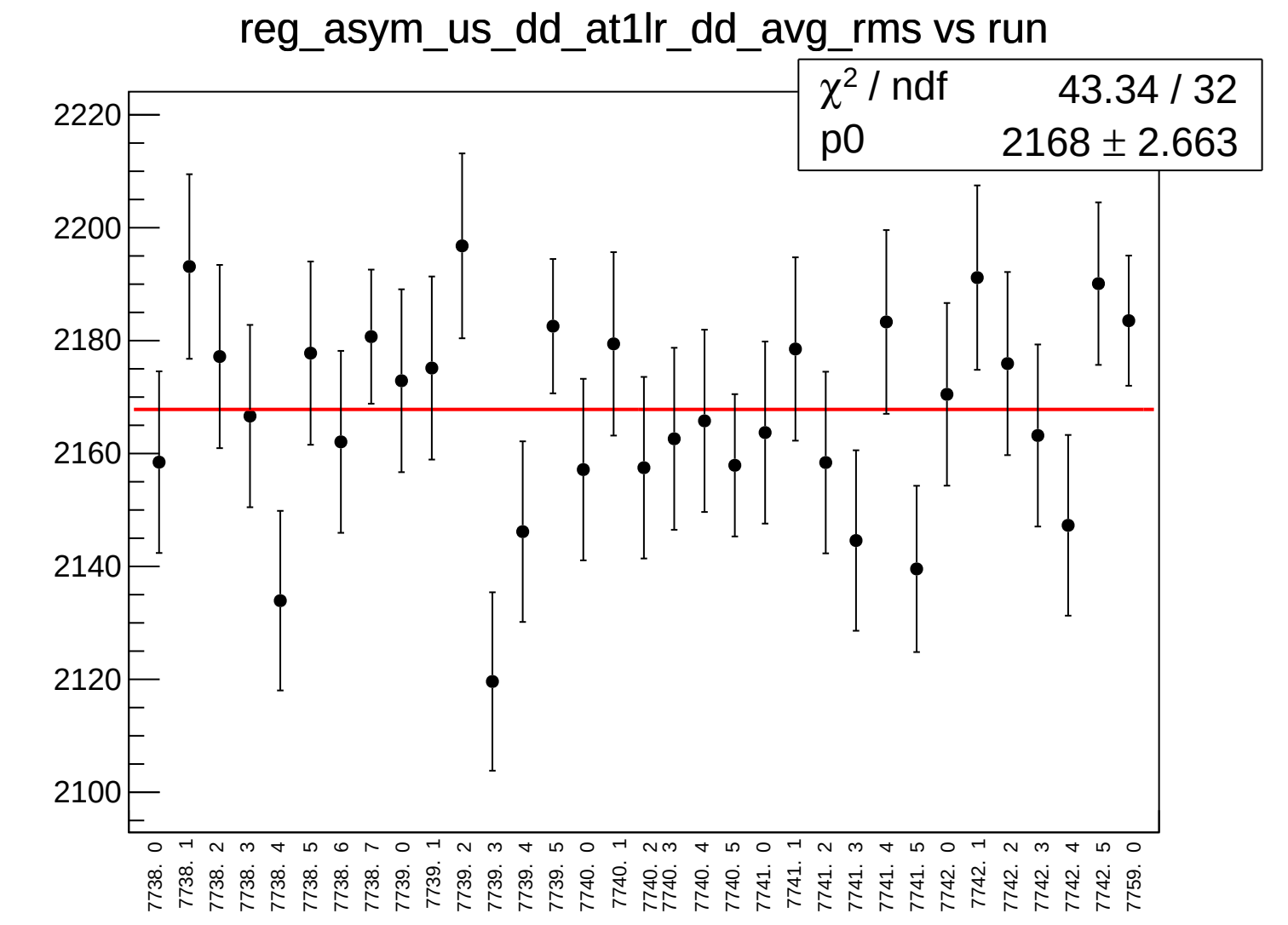

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.726e+04 / 32
p0 60.12 ± 0.07925
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

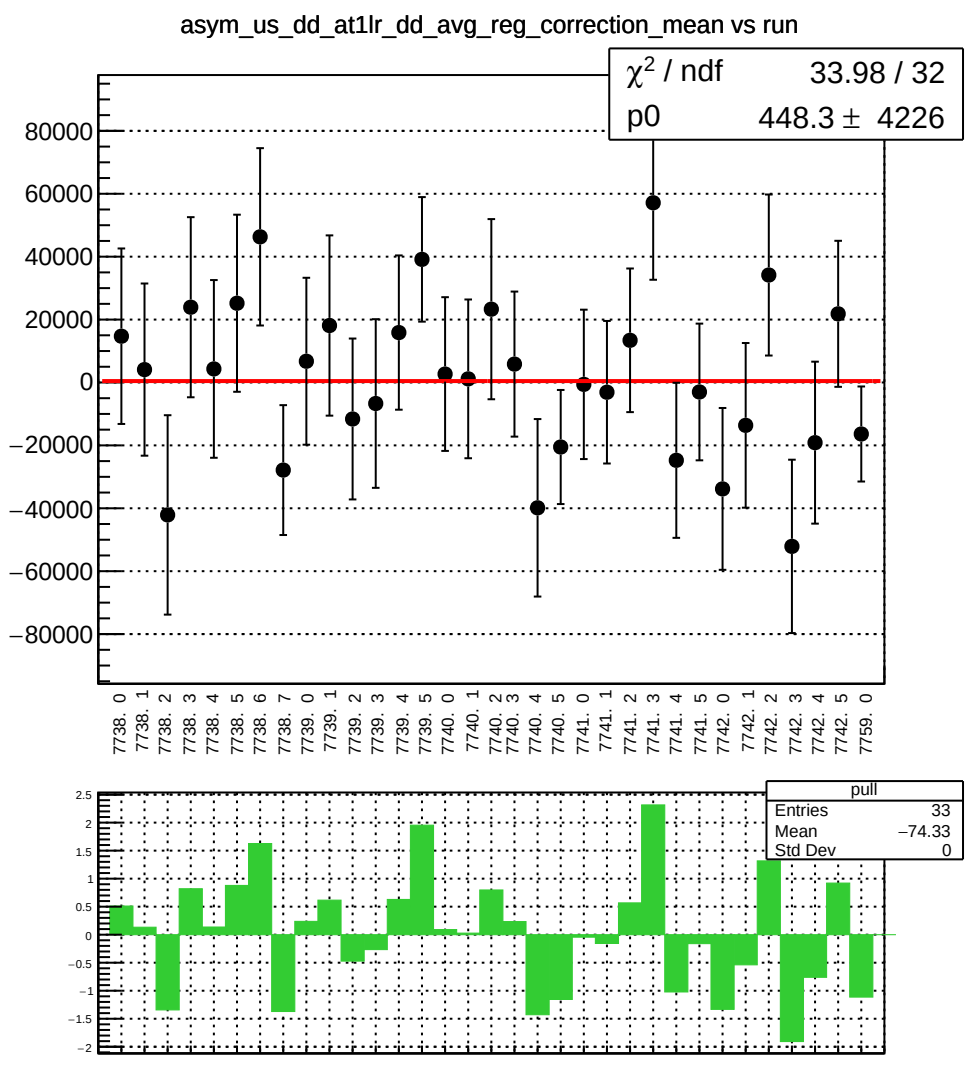

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.58 / 32
p0 9.374e−13 ± 5.424e−13
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 21.59
Std Dev 13.32
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.1787
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

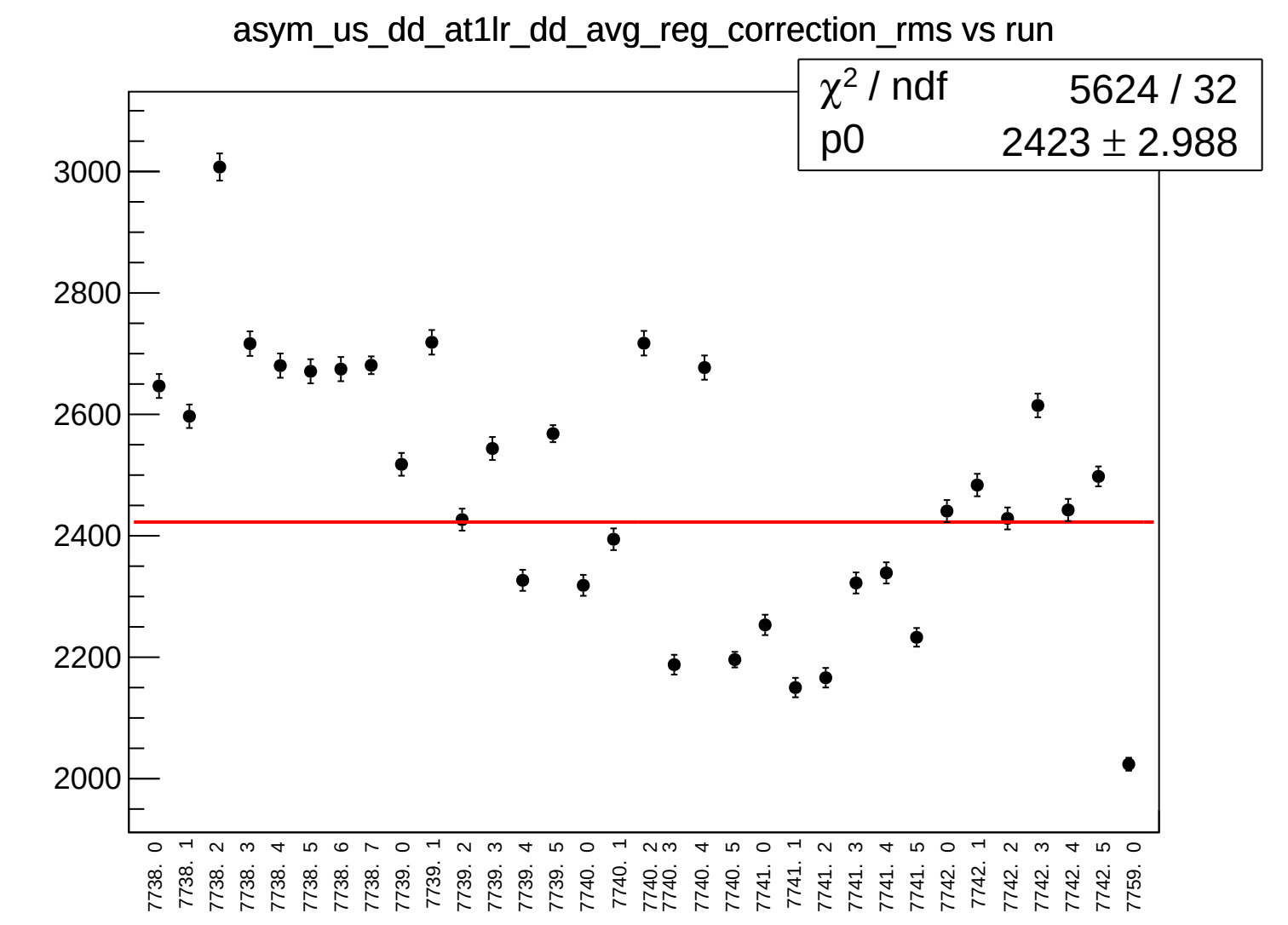

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.679e+05 / 32
p0 2.411e−10 ± 3.836e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

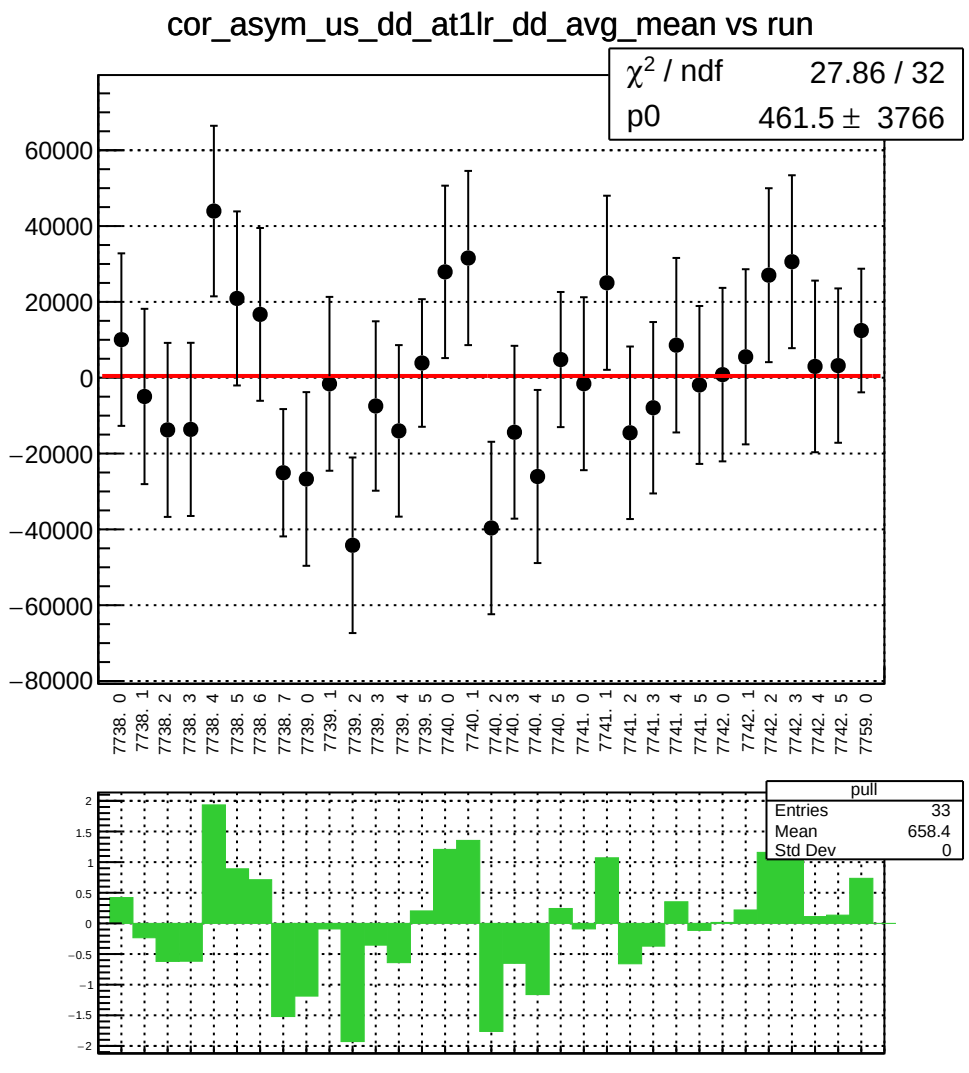

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 27.86 / 32
p0 461.3 ± 3766
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 658.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

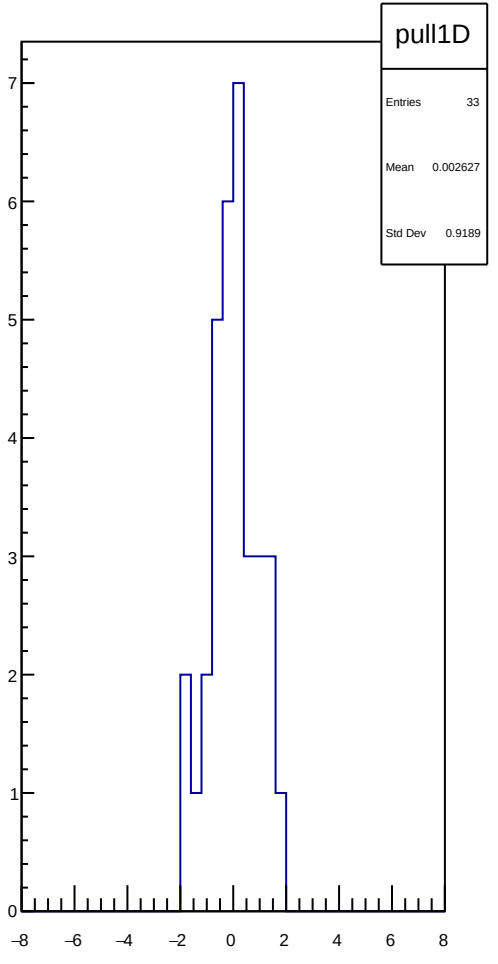

pull1D
Entries 33
Mean 0.002626
Std Dev 0.9189
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

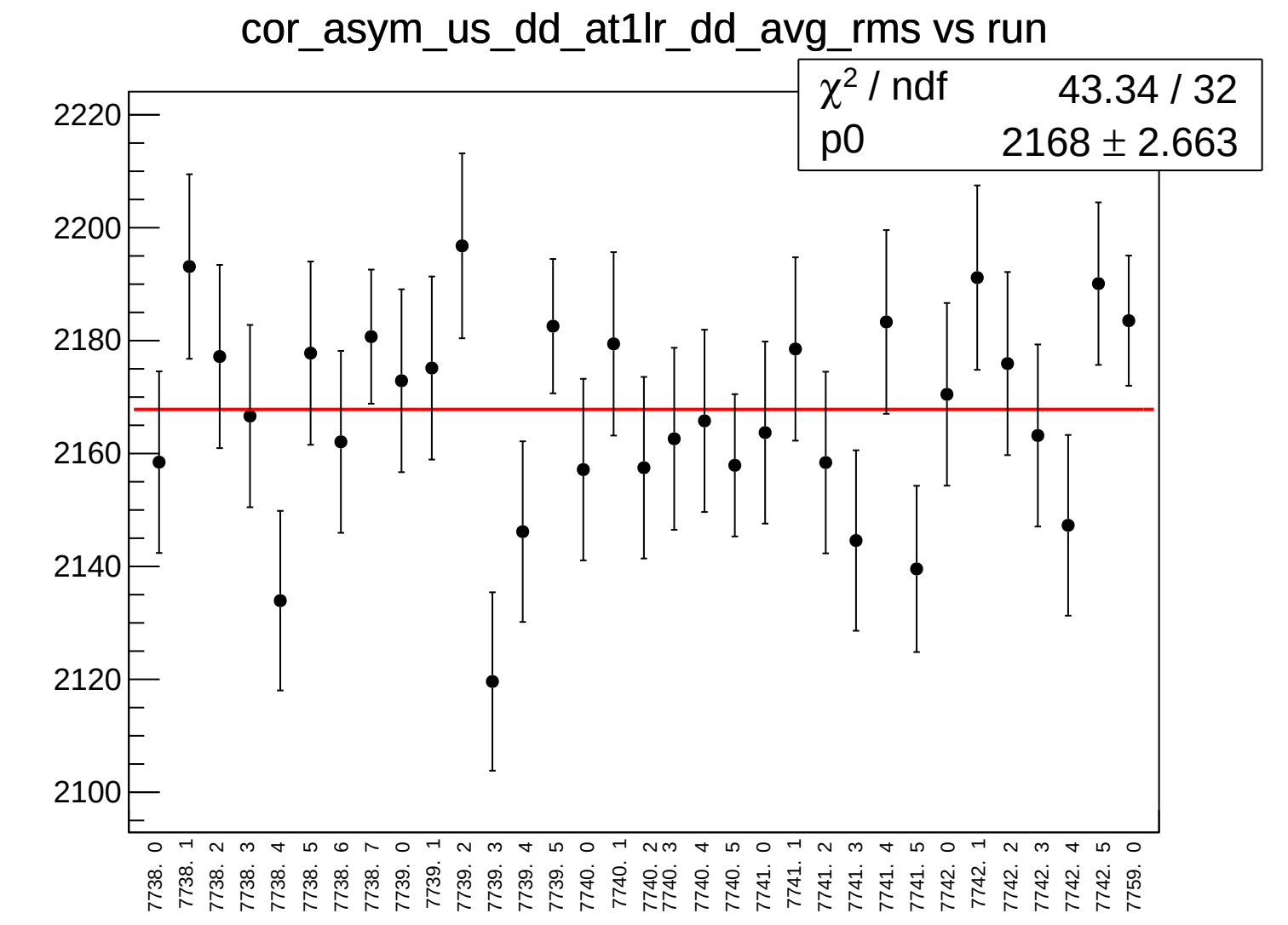

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 43.34 / 32
p0 2168 ± 2.663
2220
2200
2180
2160
2140
2120
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

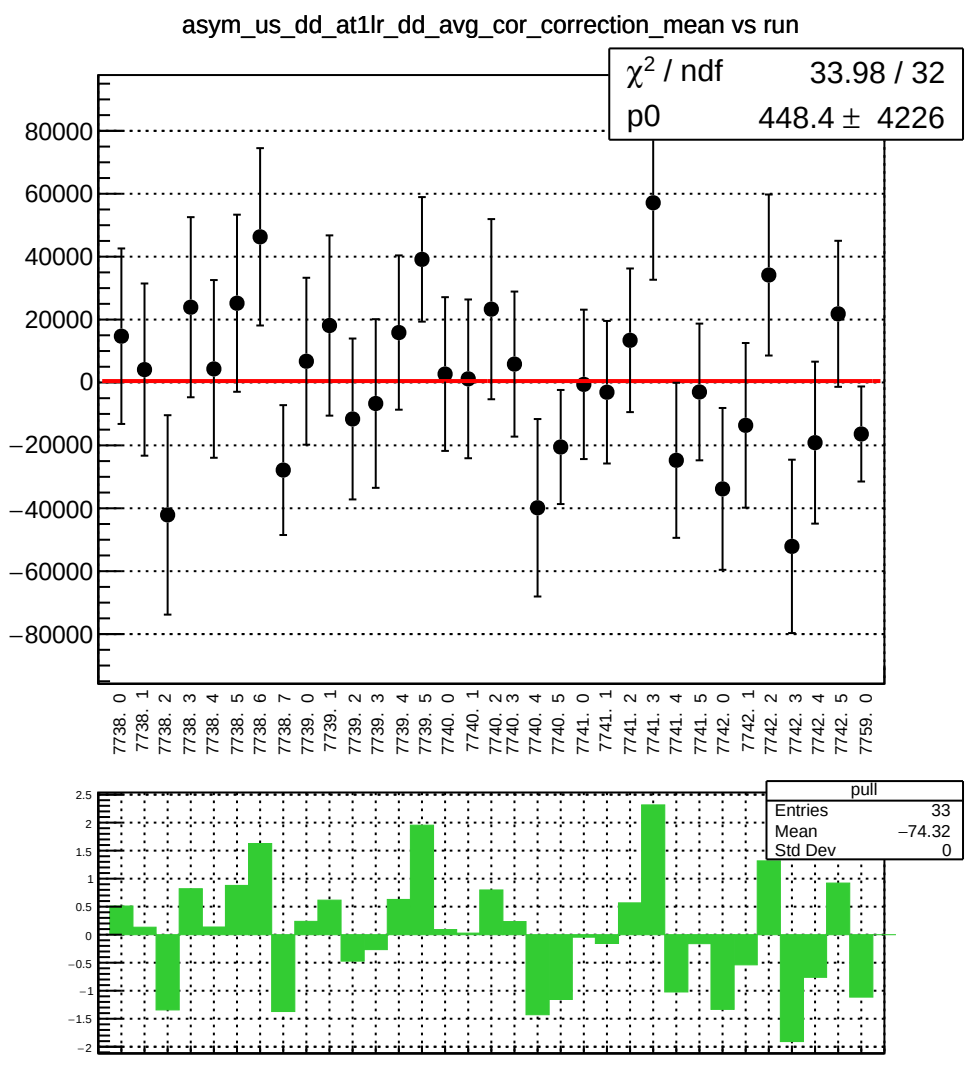

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 33.98 / 32
p0 448.3 ± 4226
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −74.33
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02264
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

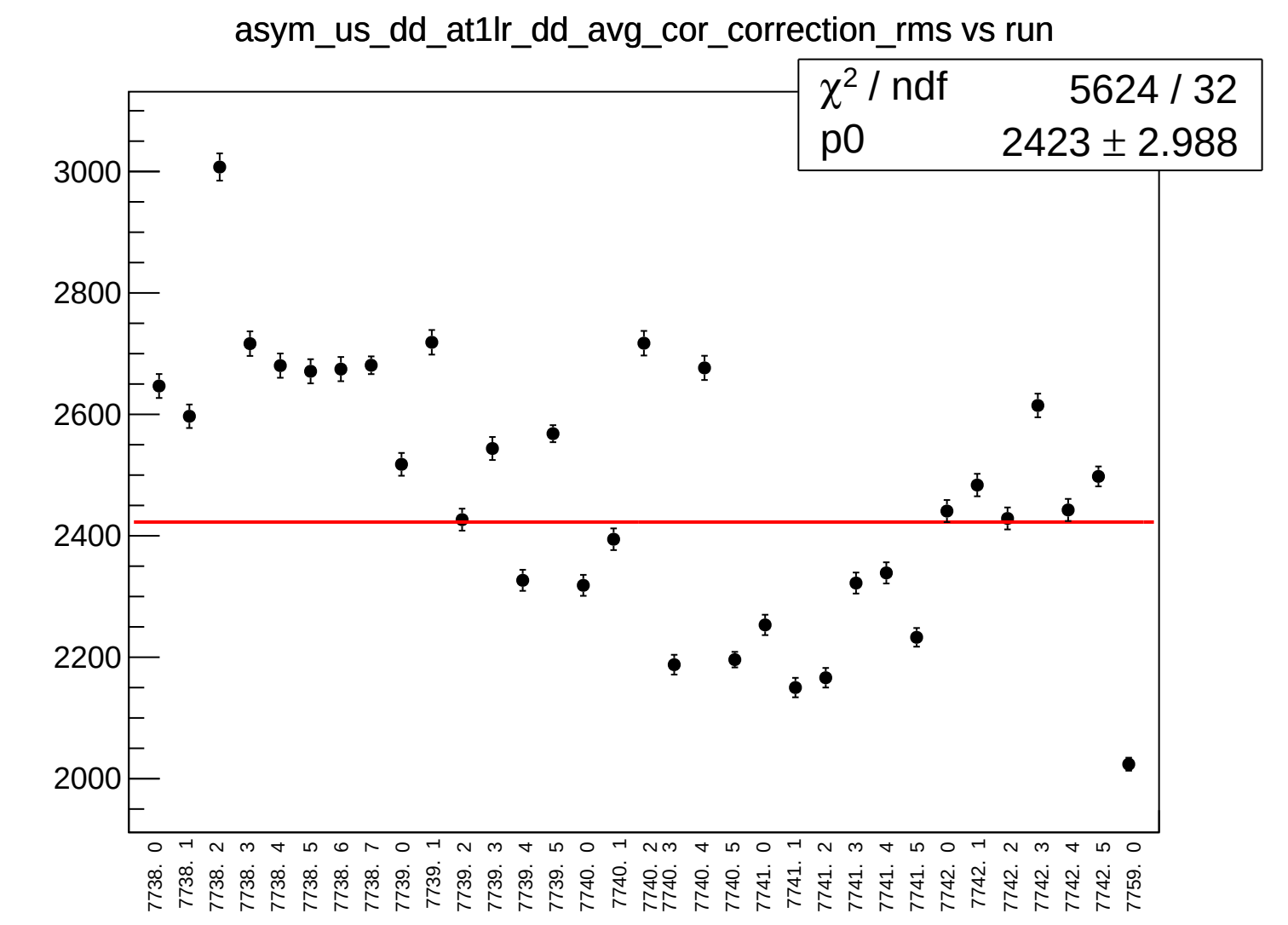

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 5624 / 32
p0 2423 ± 2.988
3000
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

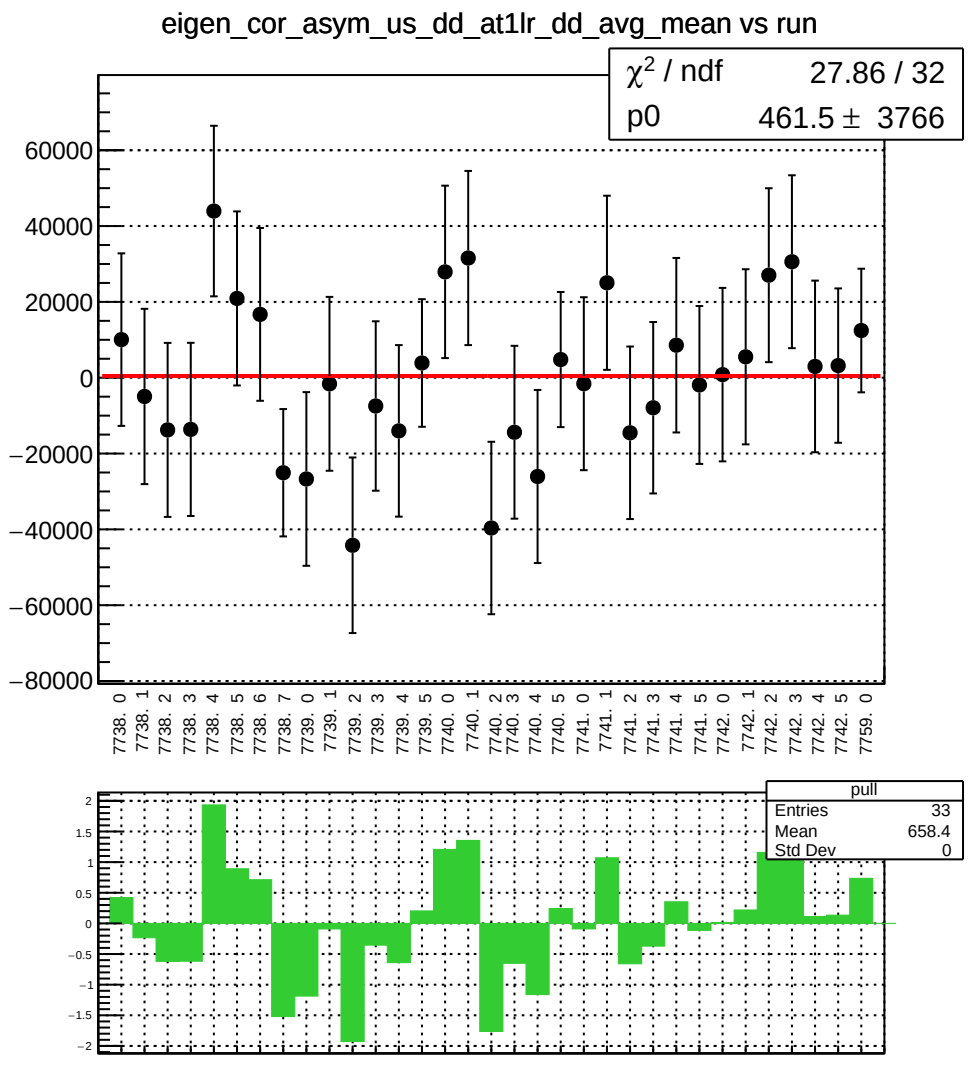

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 27.86 / 32
p0 461.5 ± 3766
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 658.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

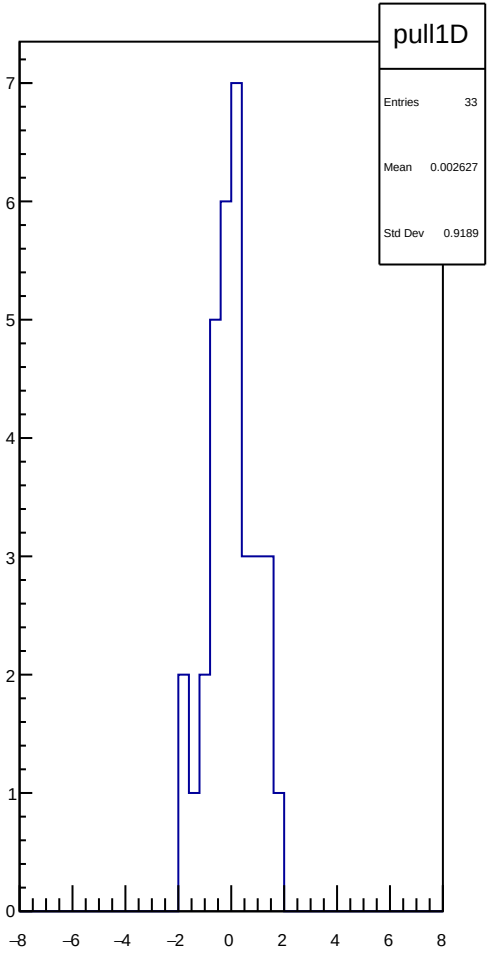

pull1D
Entries 33
Mean 0.002627
Std Dev 0.9189
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

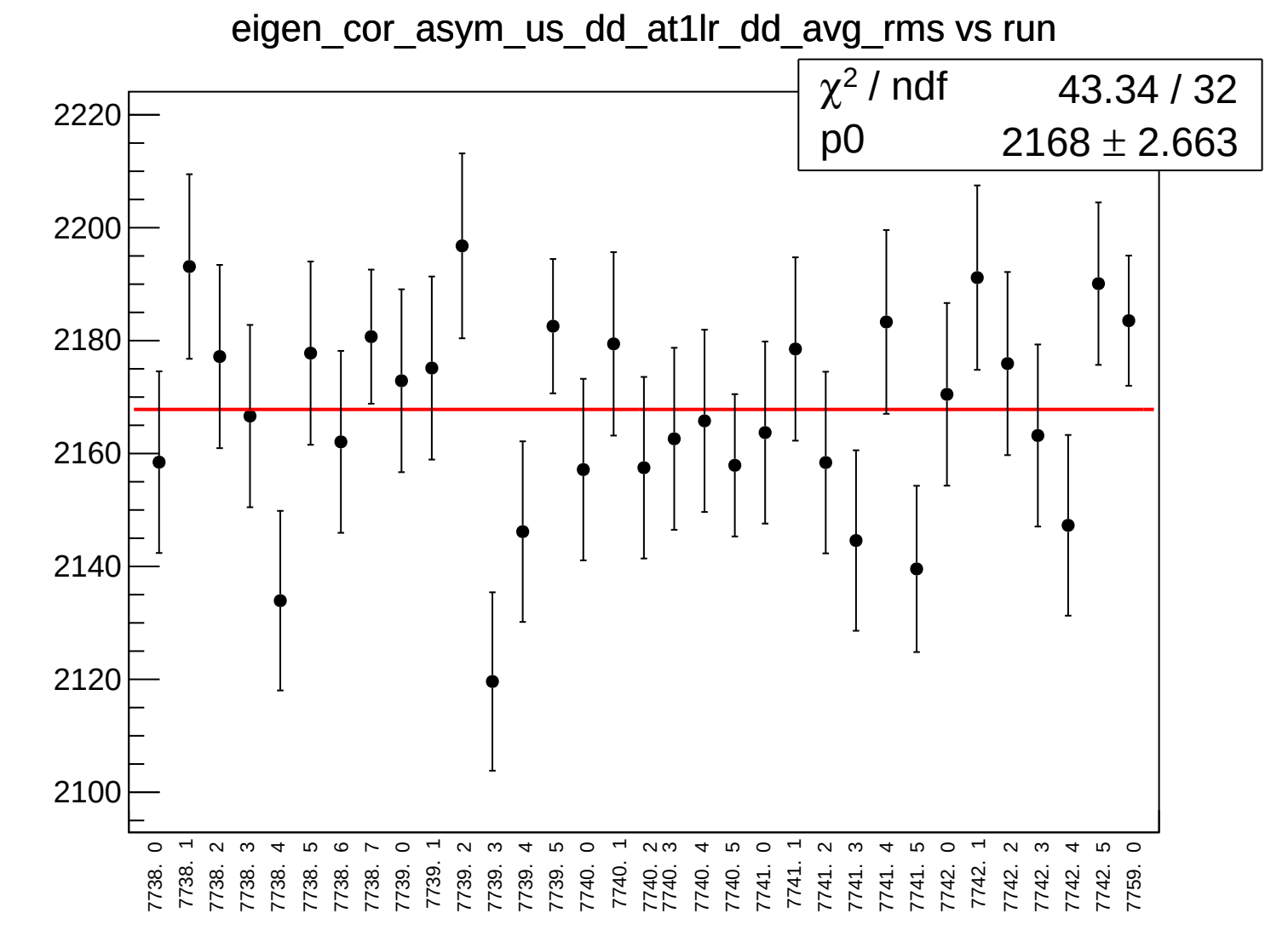

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 43.34 / 32
p0 2168 ± 2.663
2220
2200
2180
2160
2140
2120
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

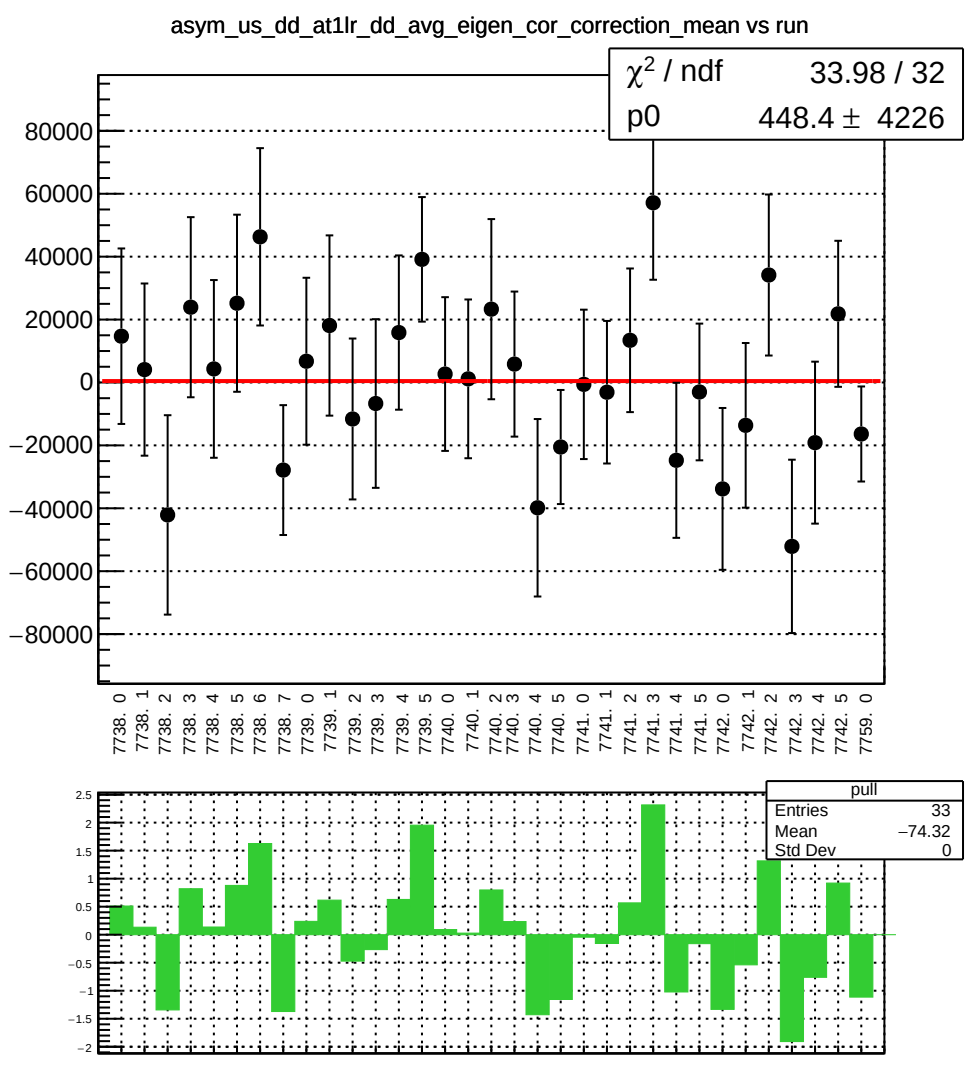

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 33.98 / 32
p0 448.4 ± 4226
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −74.32
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02264
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

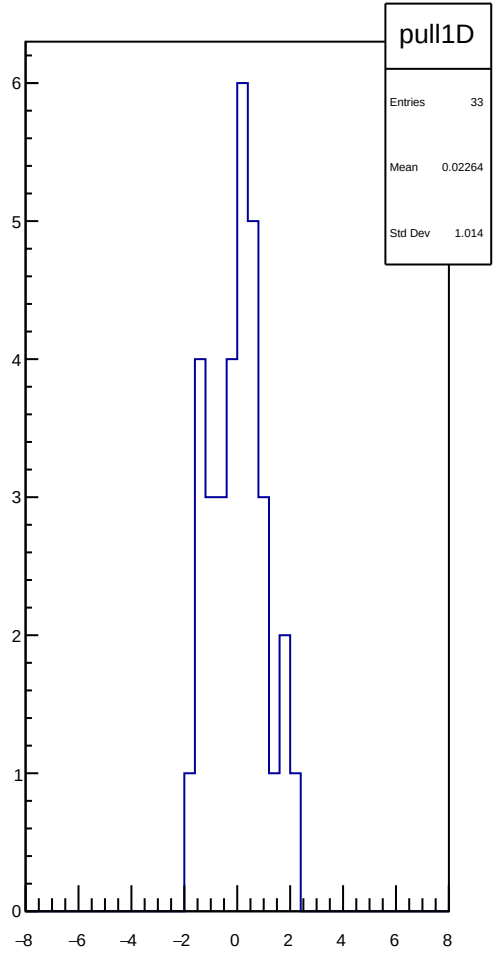

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 5624 / 32
p0 2423 ± 2.988
3000
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

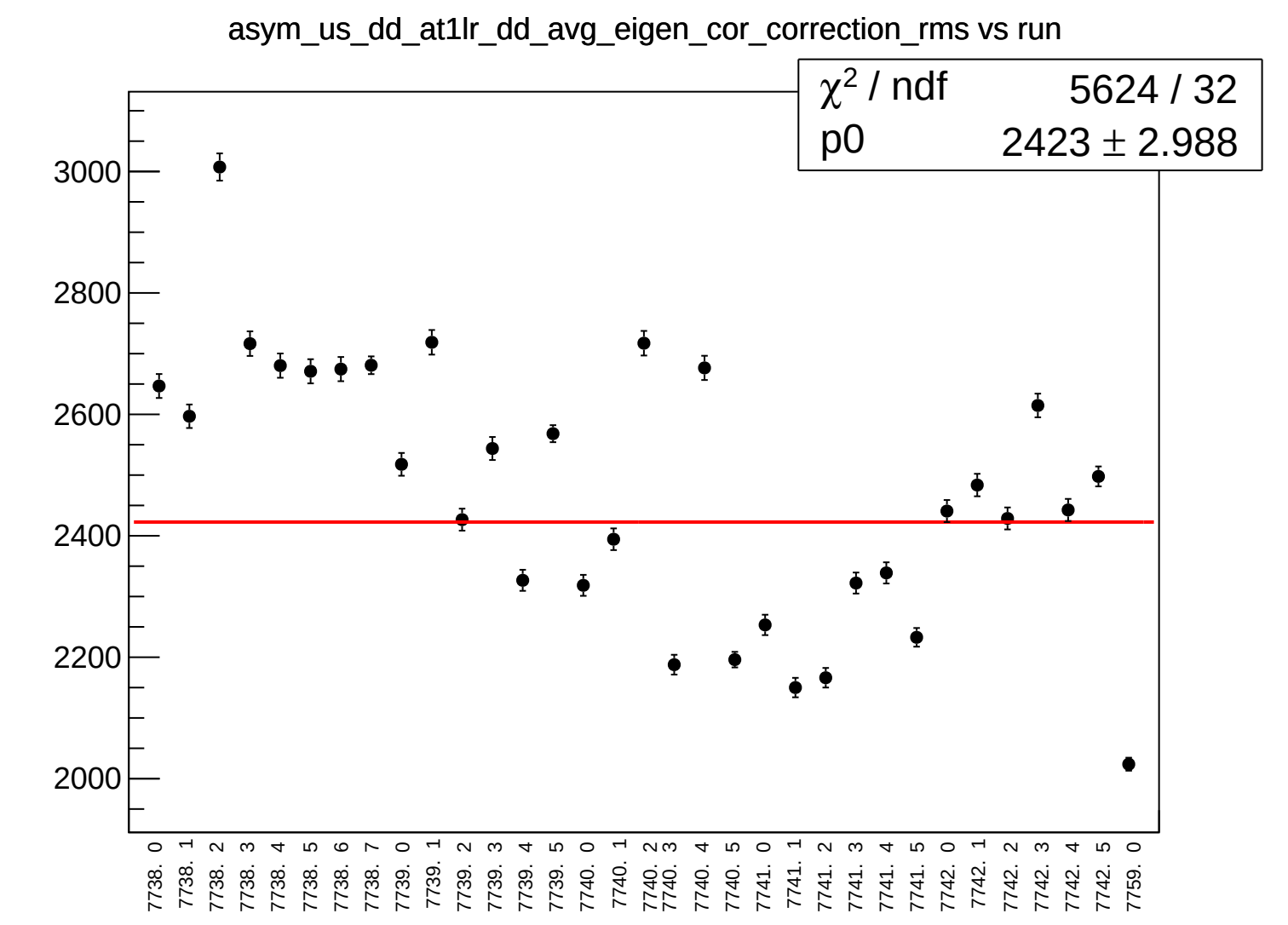

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 27.86 / 32
p0 461.5 ± 3766
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 658.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

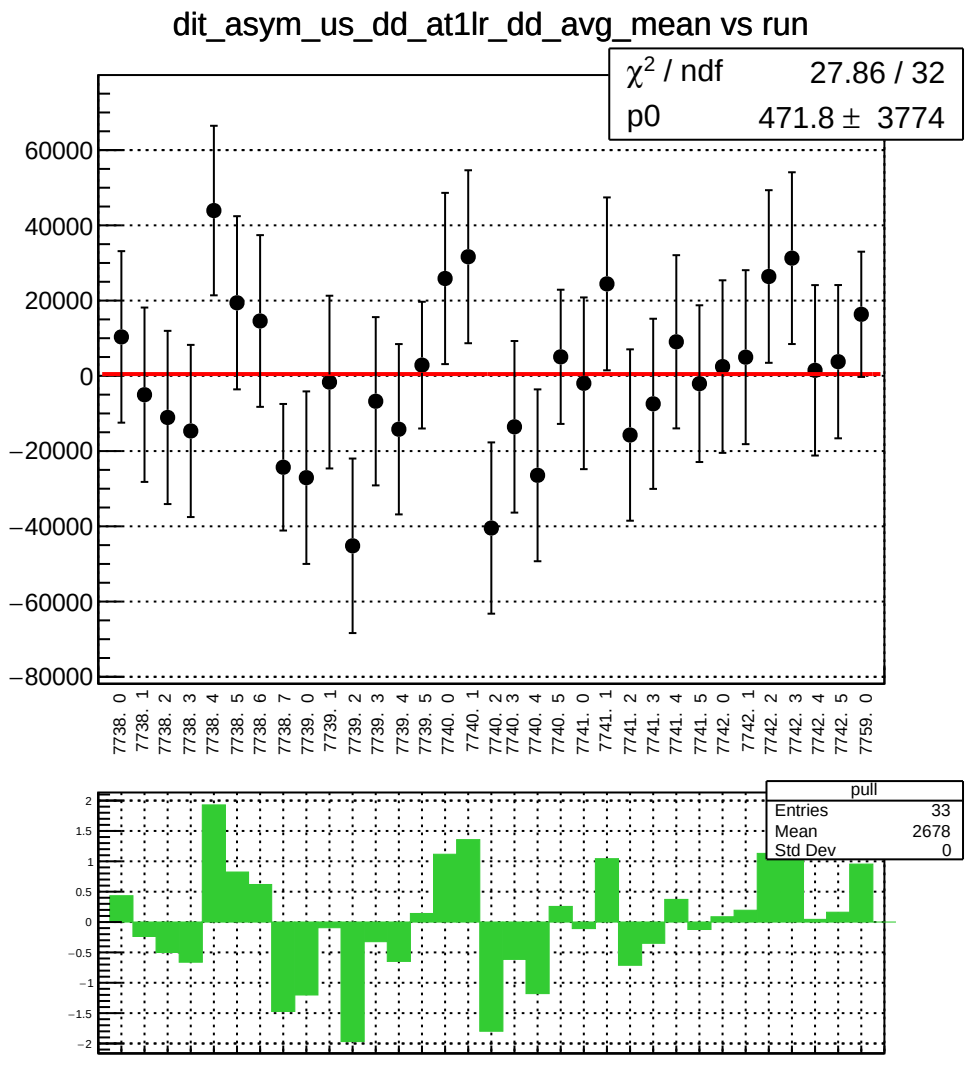

pull1D
Entries 33
Mean 0.002627
Std Dev 0.9189
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

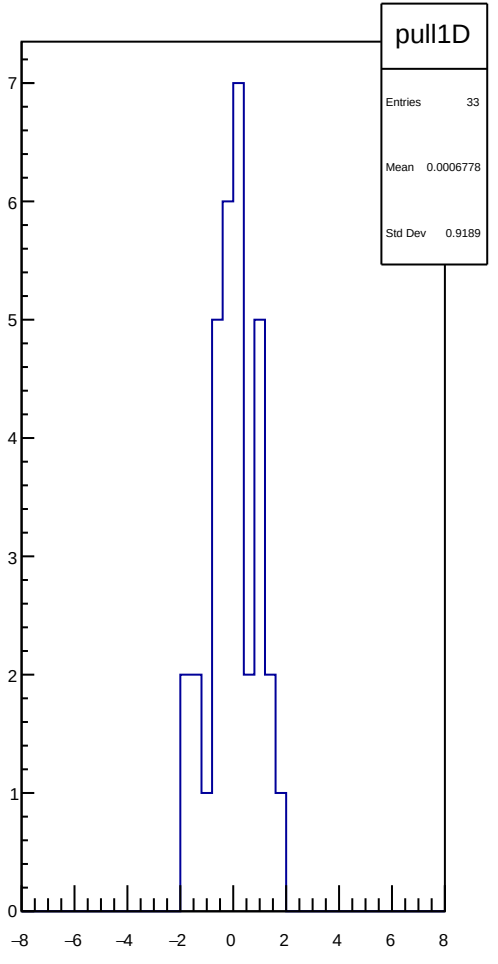

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 43.34 / 32
p0 2168 ± 2.663
2220
2200
2180
2160
2140
2120
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

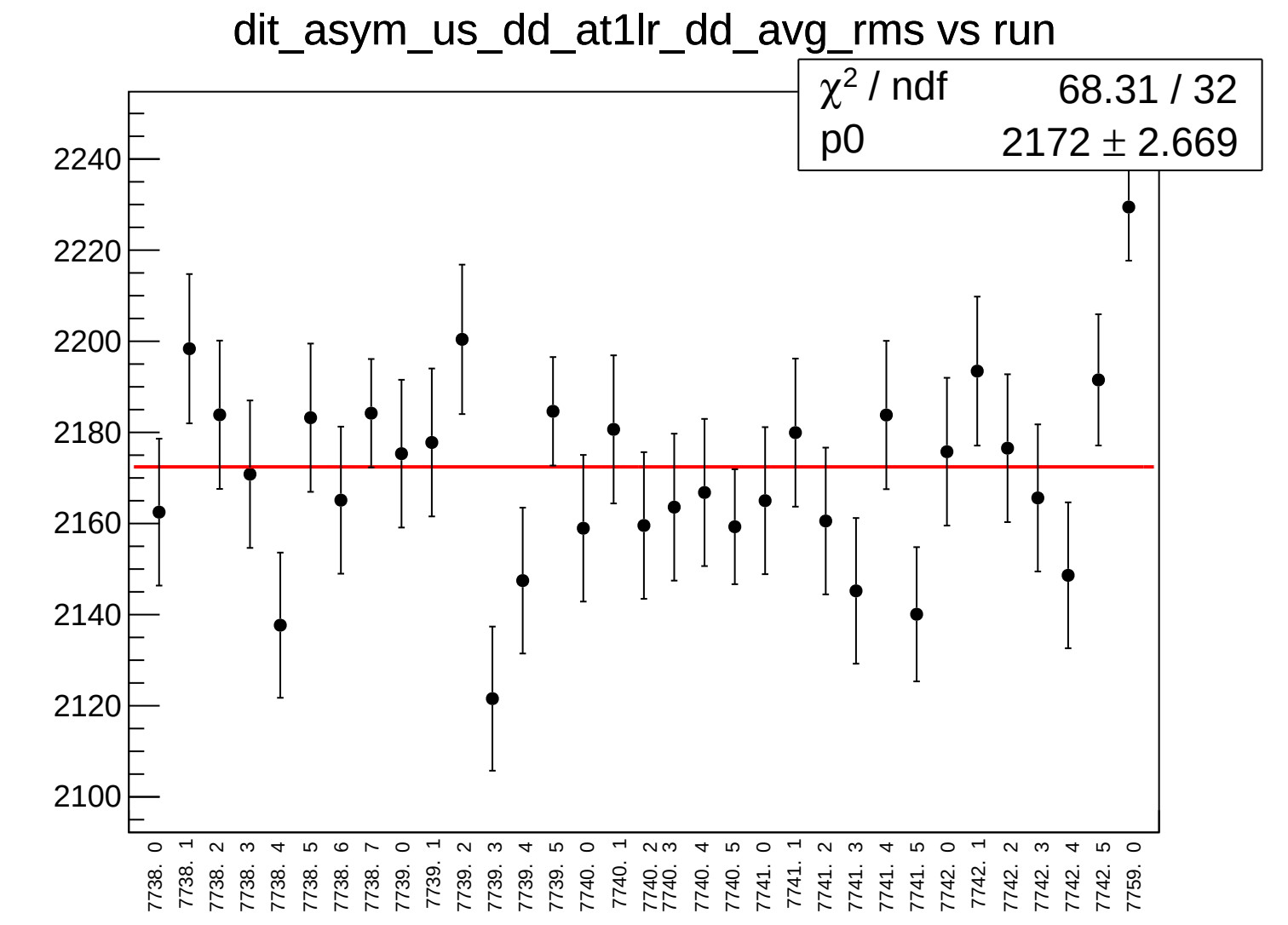

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 33.98 / 32
p0 448.4 ± 4226
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −74.32
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

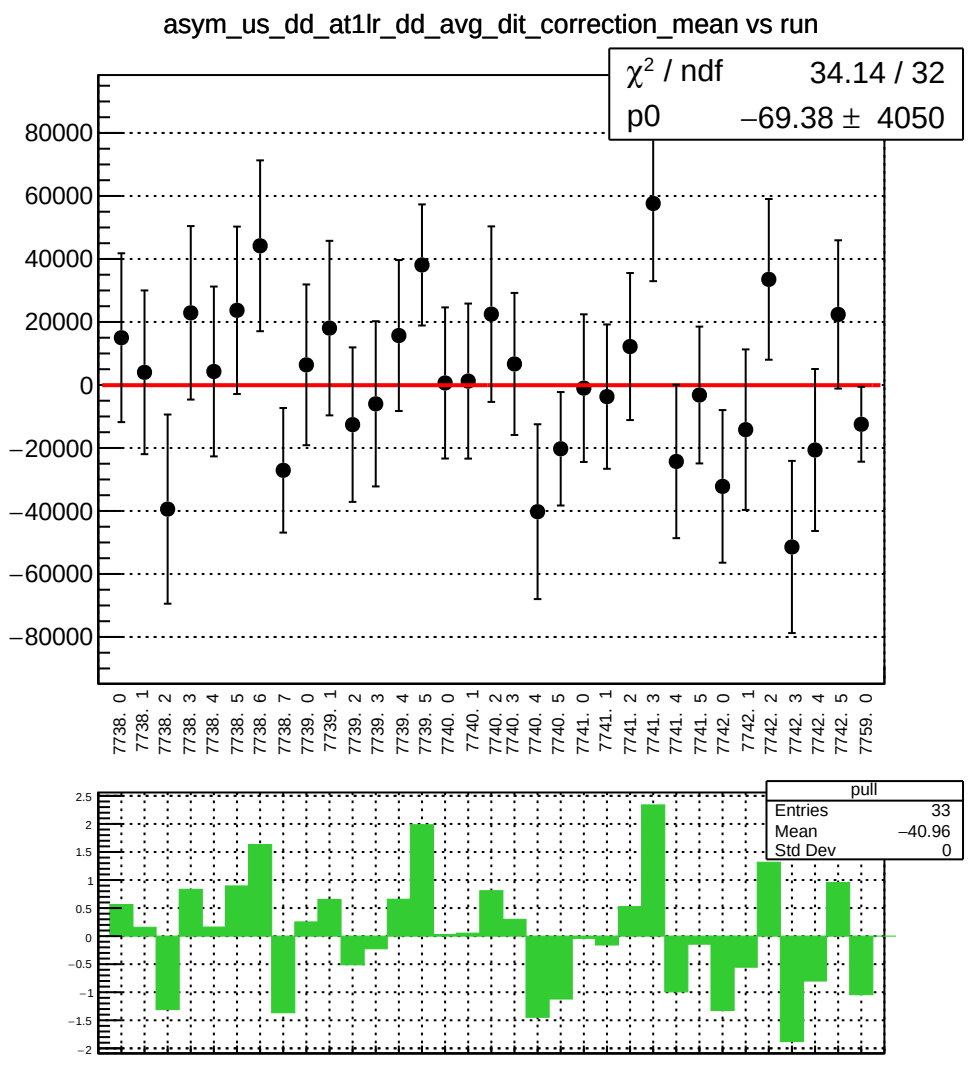

pull1D
Entries 33
Mean 0.02264
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

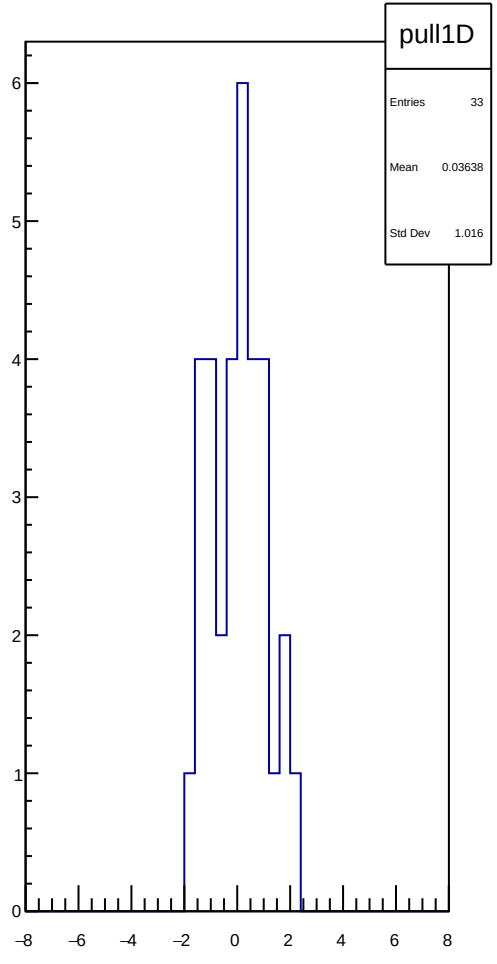

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5624 / 32
p0 2423 ± 2.988
3000
2800
2600
2400
2200
2000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

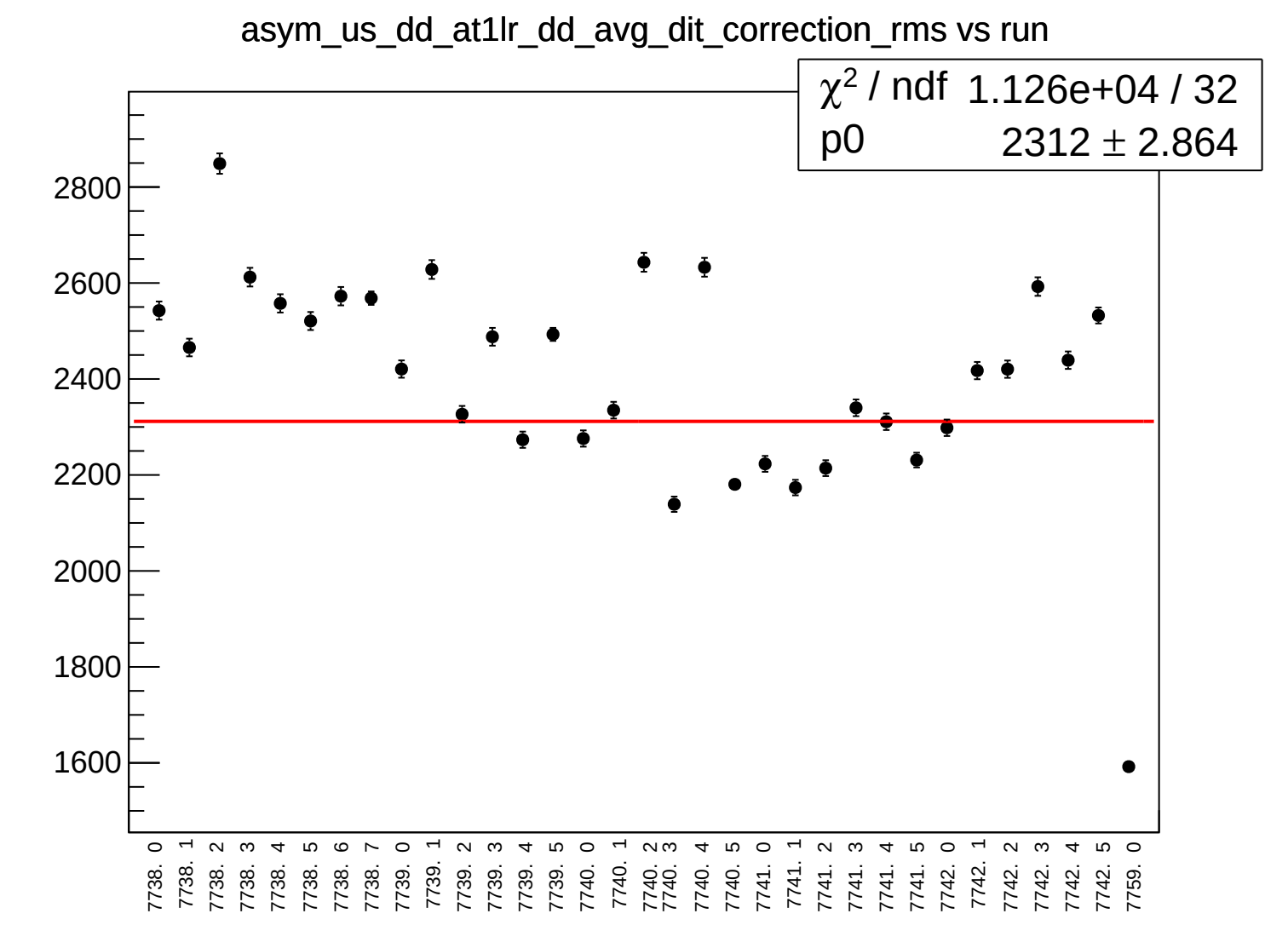

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 27.86 / 32
p0 471.8 ± 3774
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2678
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

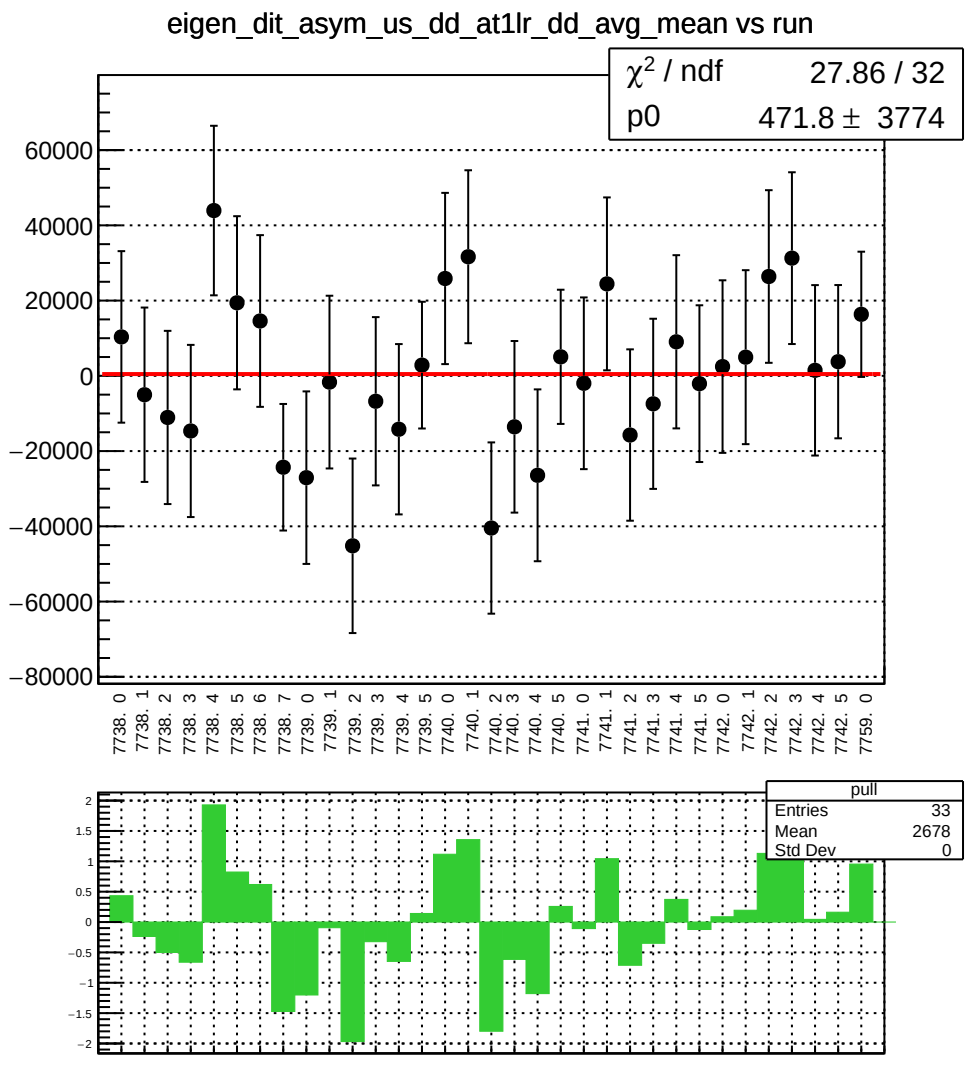

pull1D
Entries 33
Mean 0.0006778
Std Dev 0.9189
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

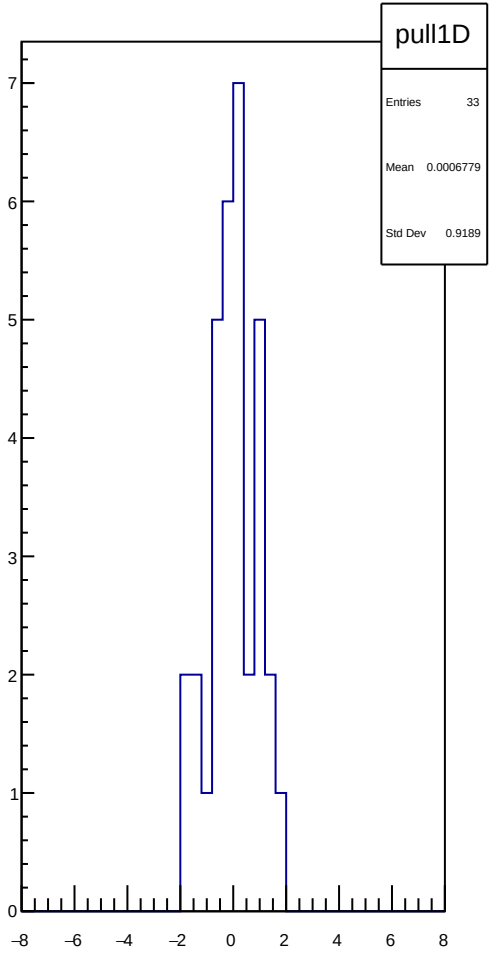

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 68.31 / 32
p0 2172 ± 2.669
2240
2220
2200
2180
2160
2140
2120
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

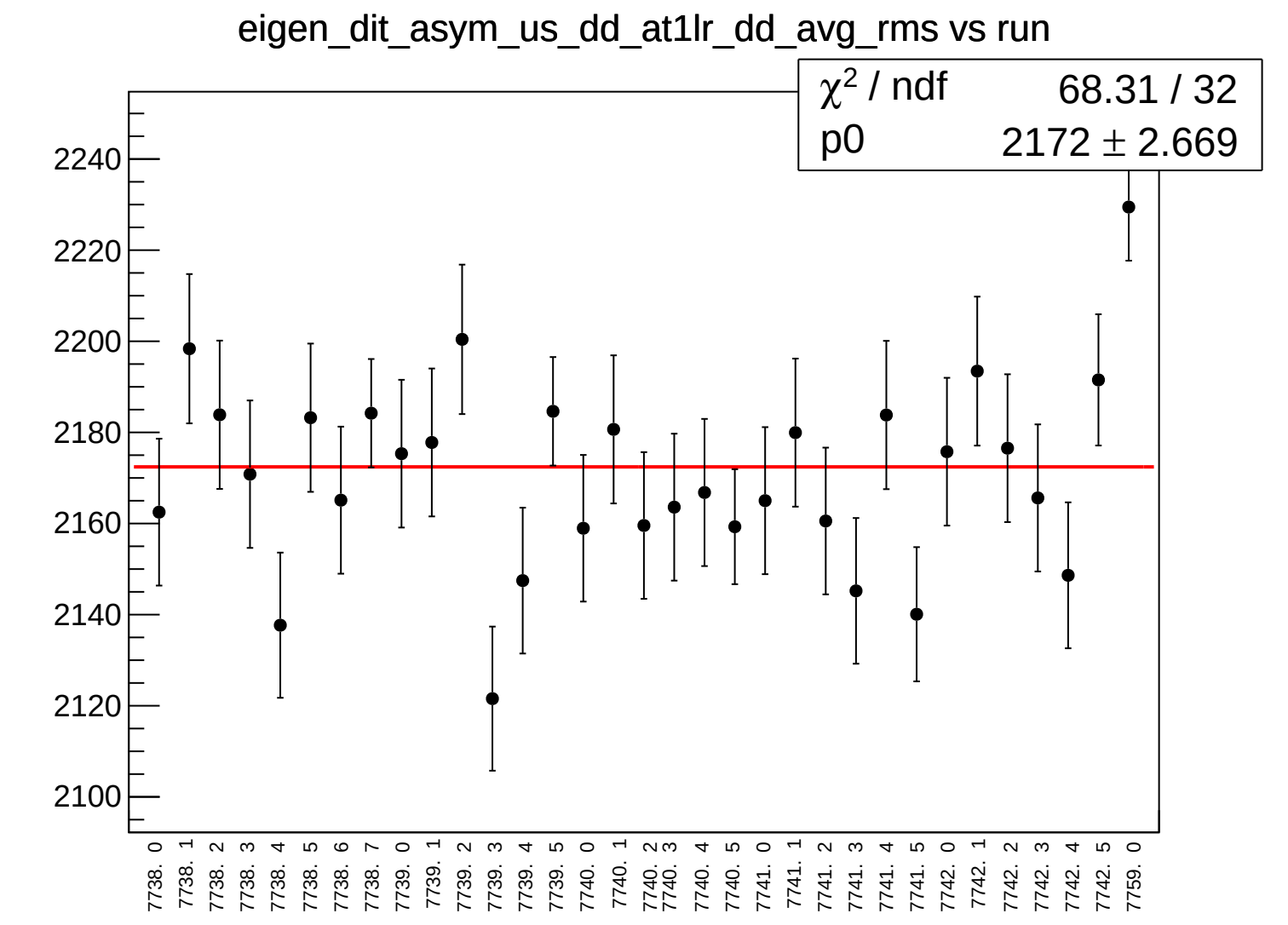

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 34.14 / 32
p0 −69.38 ± 4050
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.03638
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.126e+04 / 32
p0 2312 ± 2.864
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 27.86 / 32
p0 471.8 ± 3774
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2678
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.0006779
Std Dev 0.9189
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 68.31 / 32
p0 2172 ± 2.669
2240
2220
2200
2180
2160
2140
2120
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
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7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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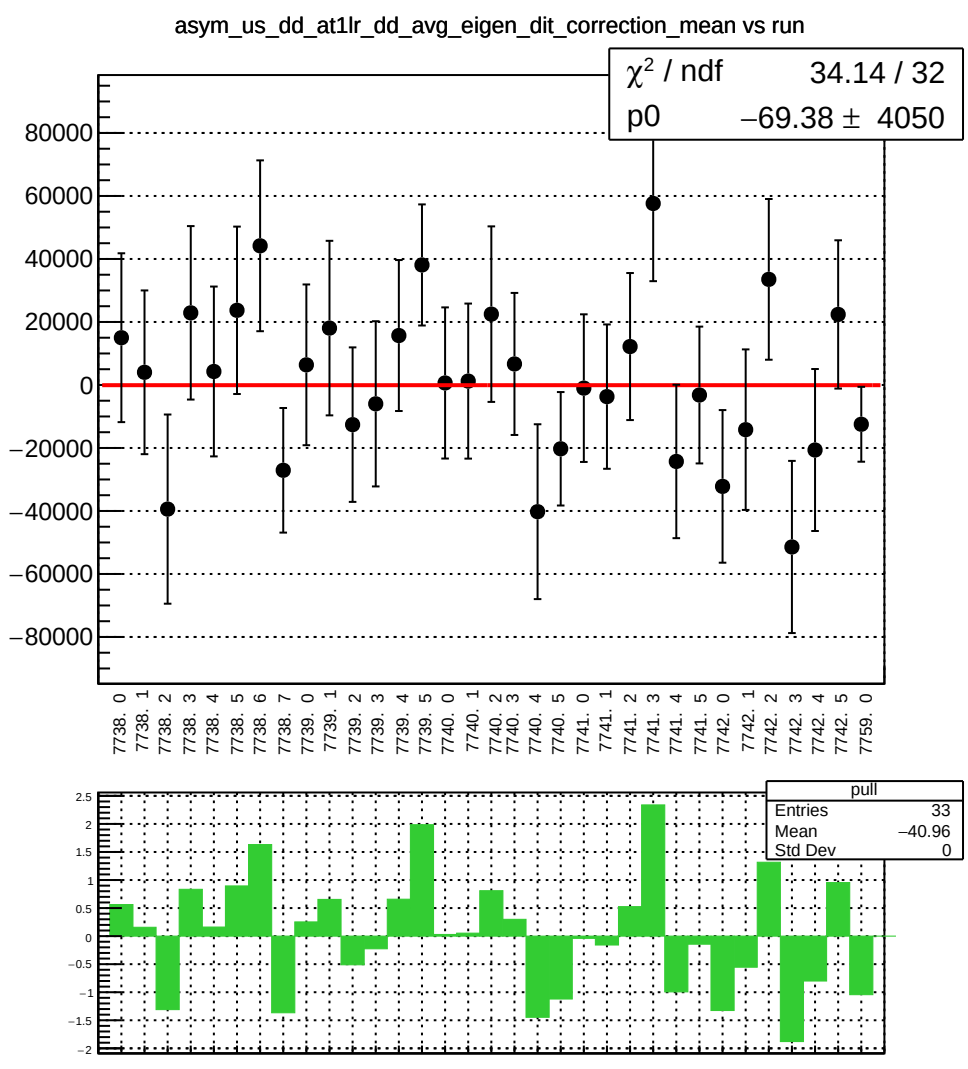
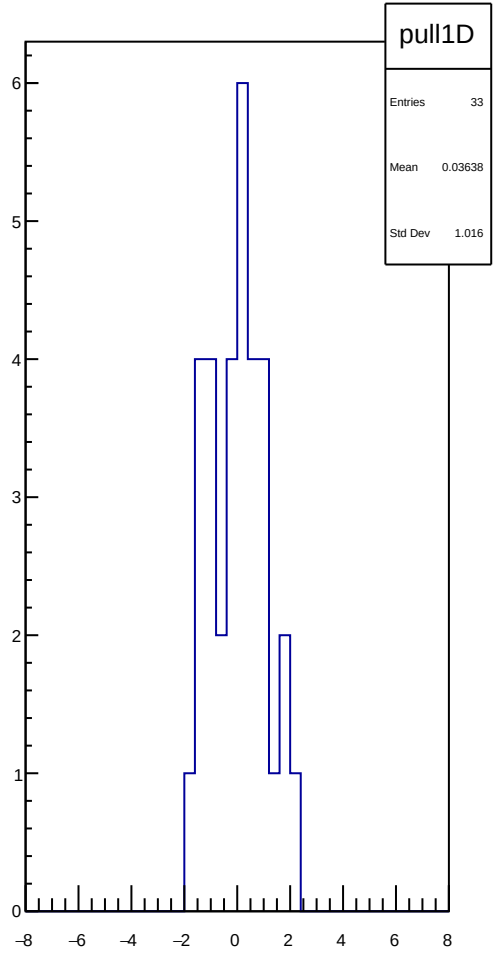
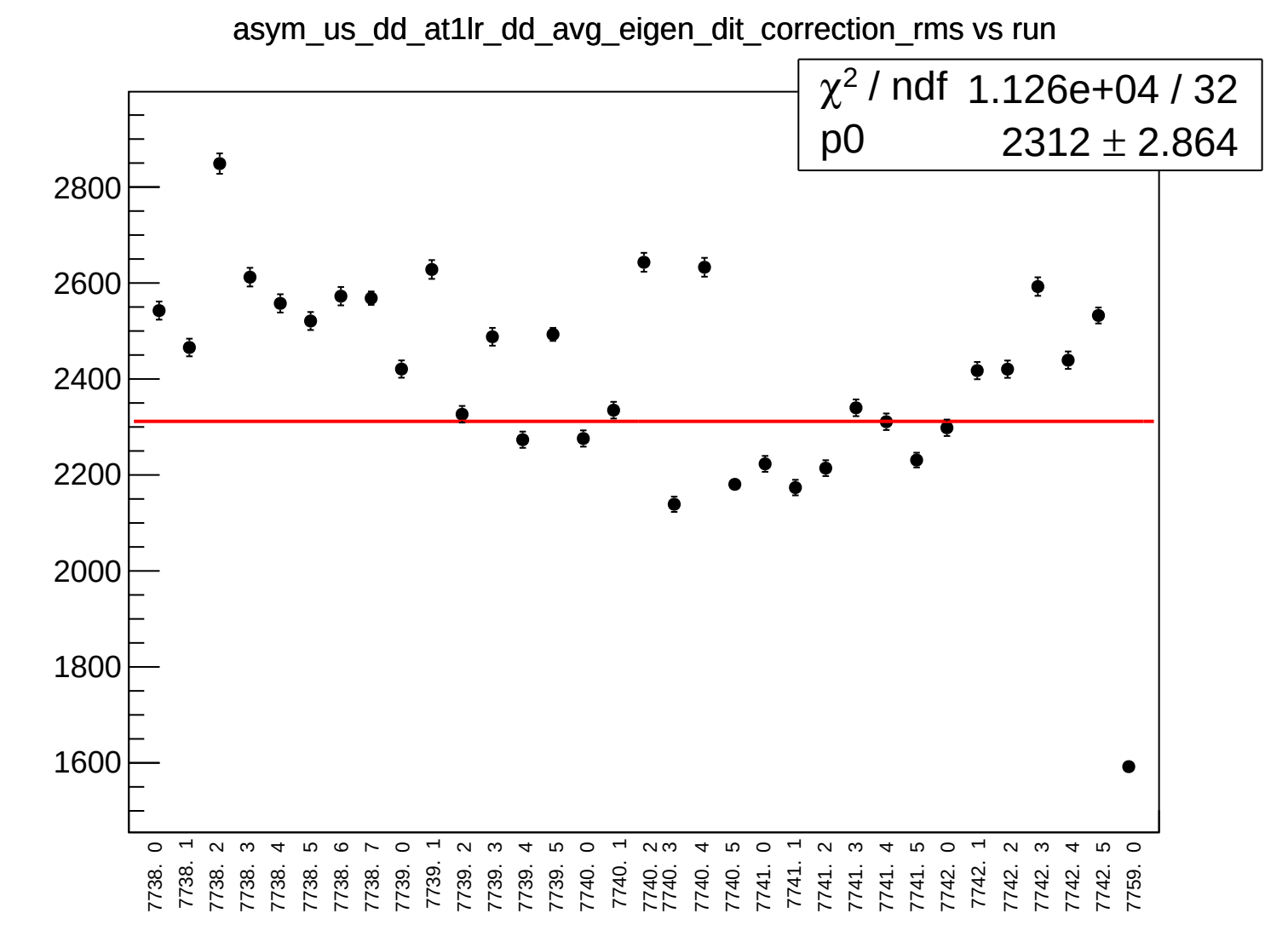
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 34.14 / 32
p0 −69.38 ± 4050
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.03638
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.126e+04 / 32
p0 2312 ± 2.864
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
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7740. 3
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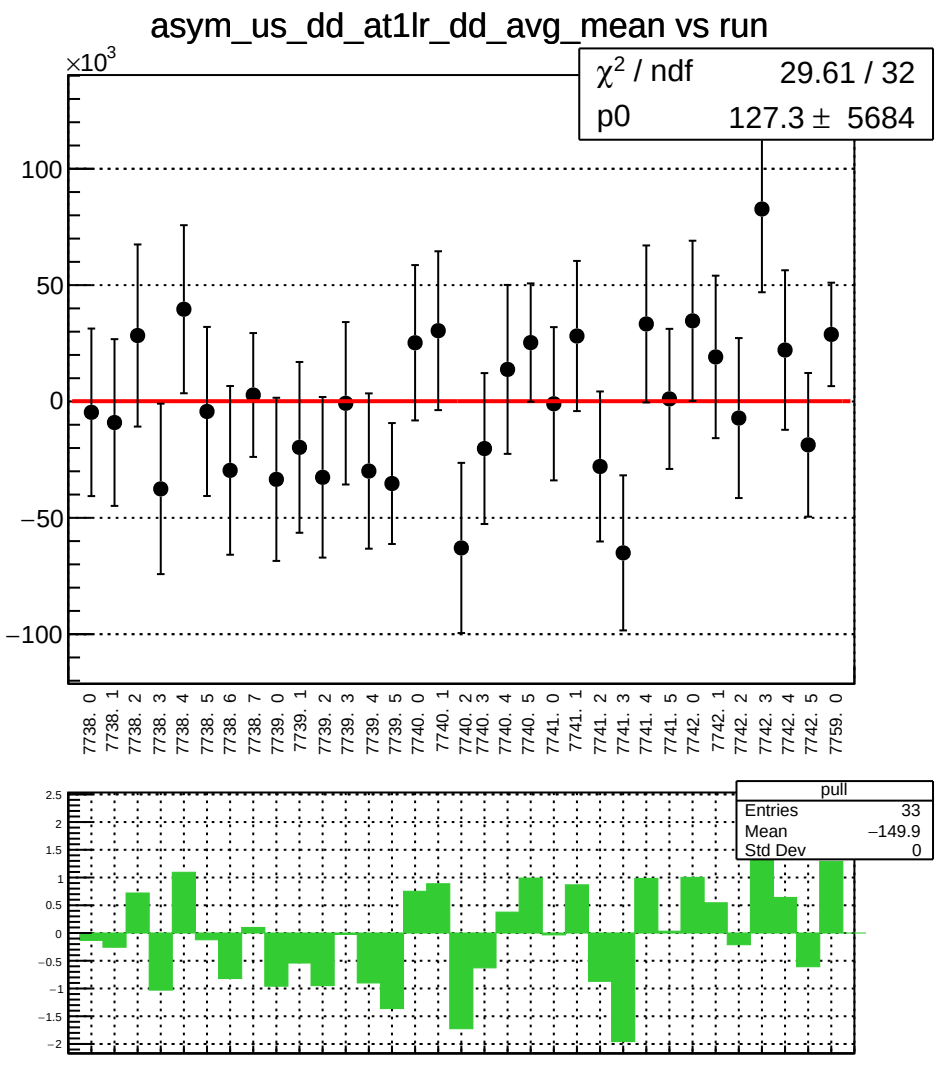
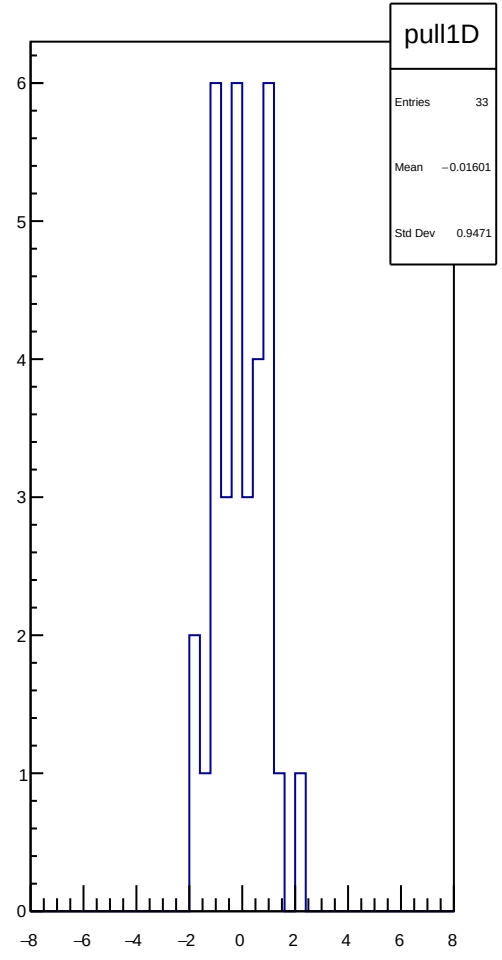
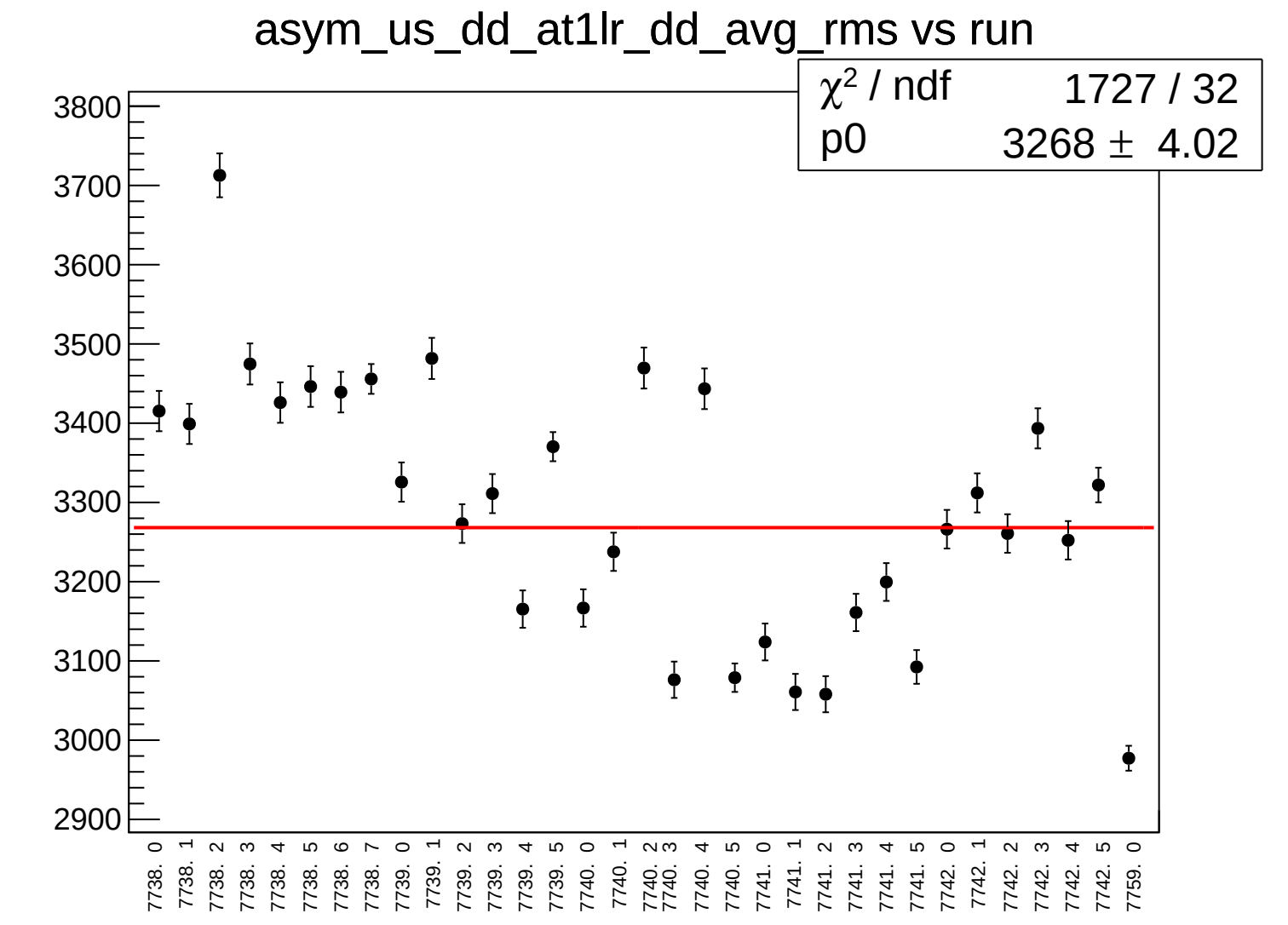
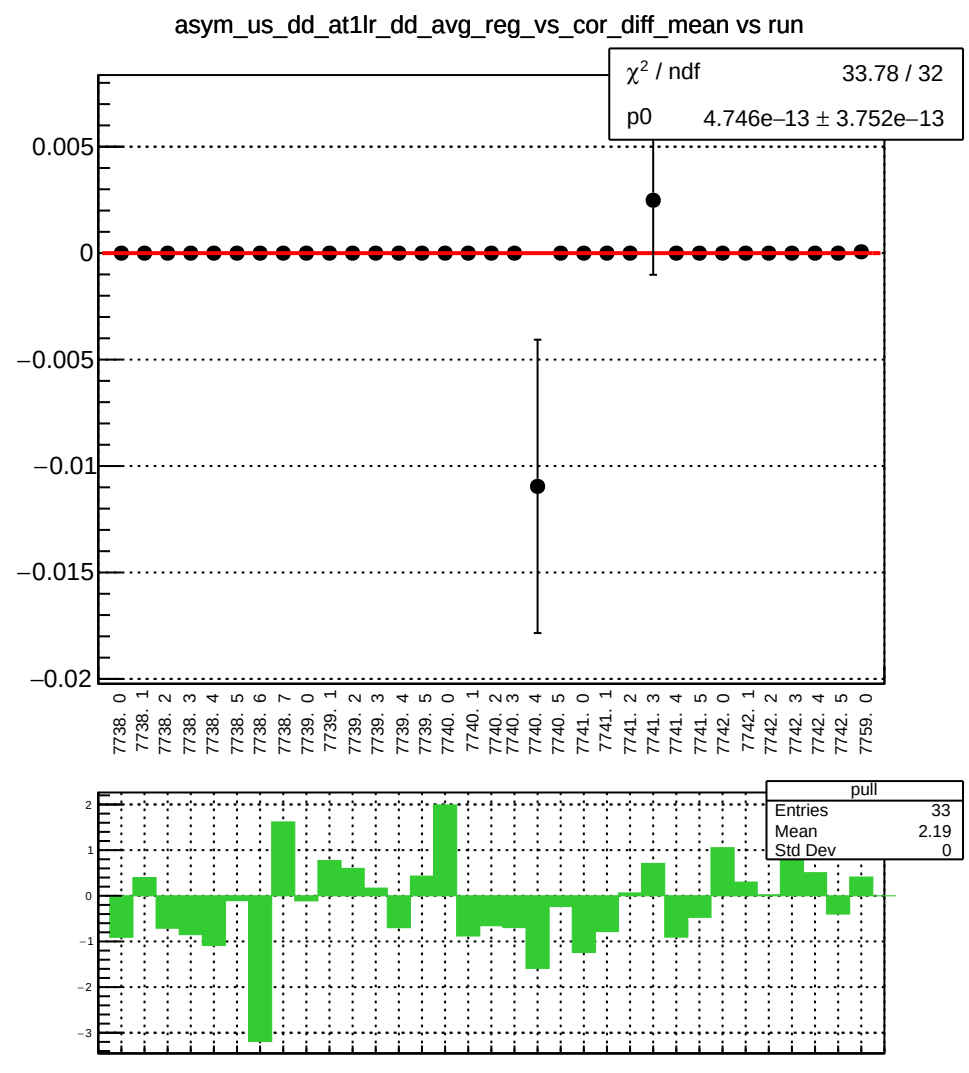
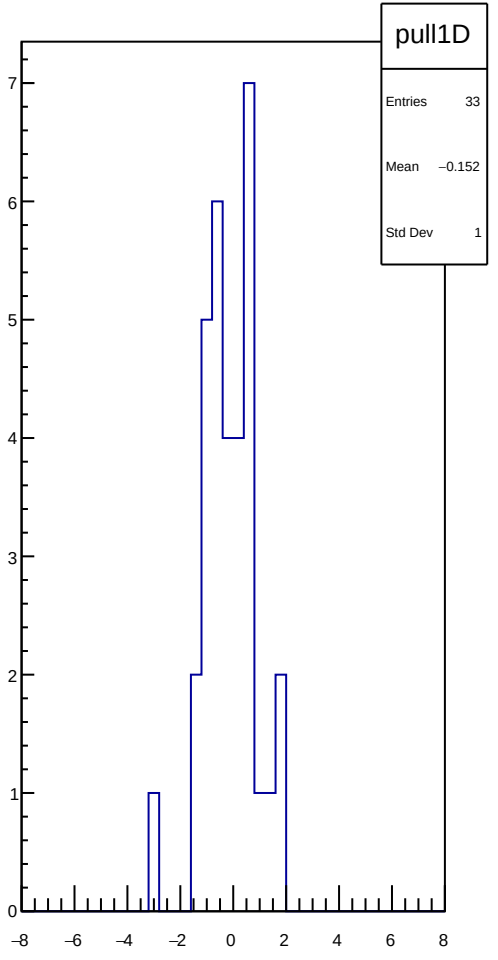
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

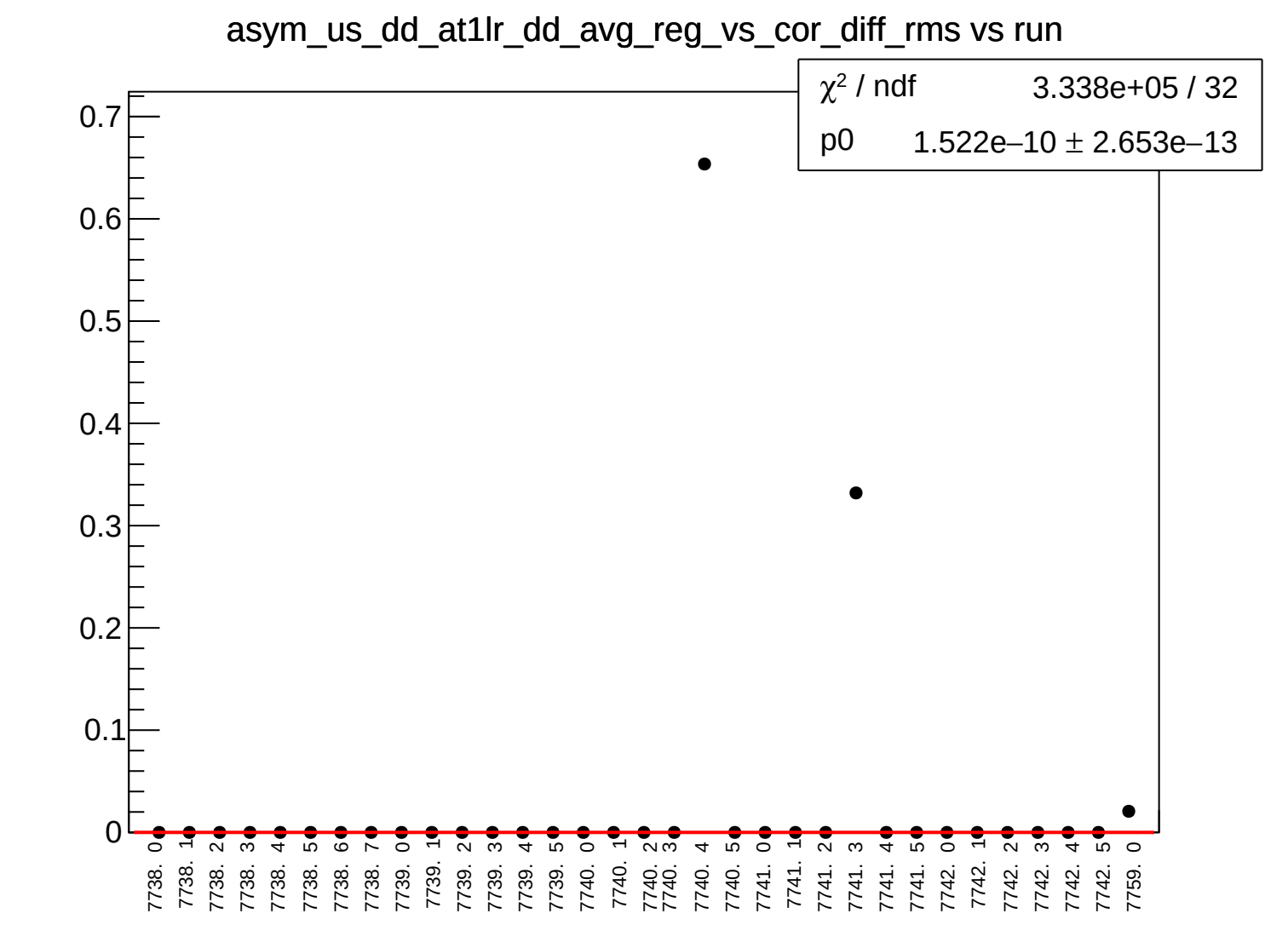

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 29.61 / 32
p0 127.3 ± 5684
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −149.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

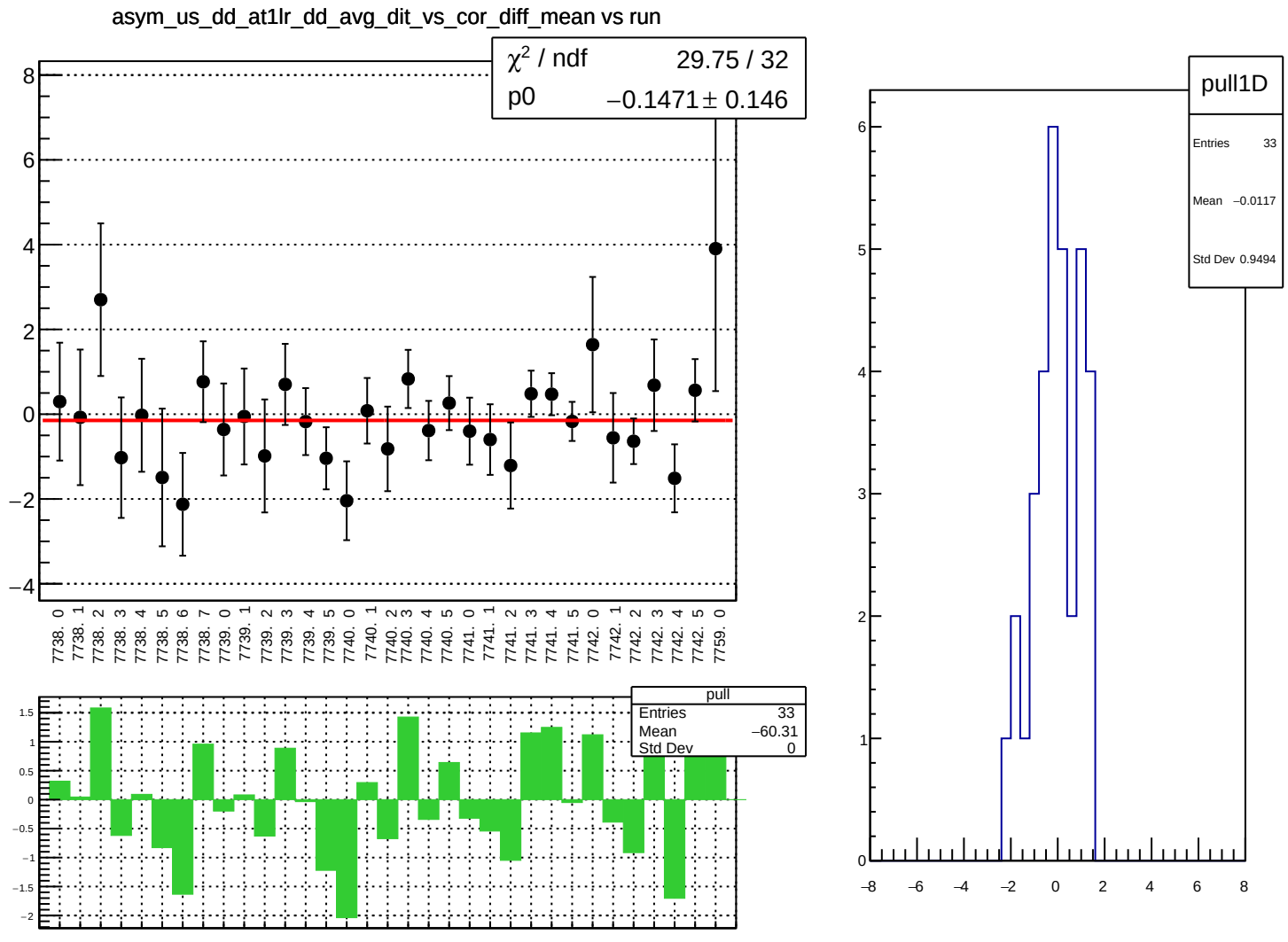

pull1D
Entries 33
Mean −0.01601
Std Dev 0.9471
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

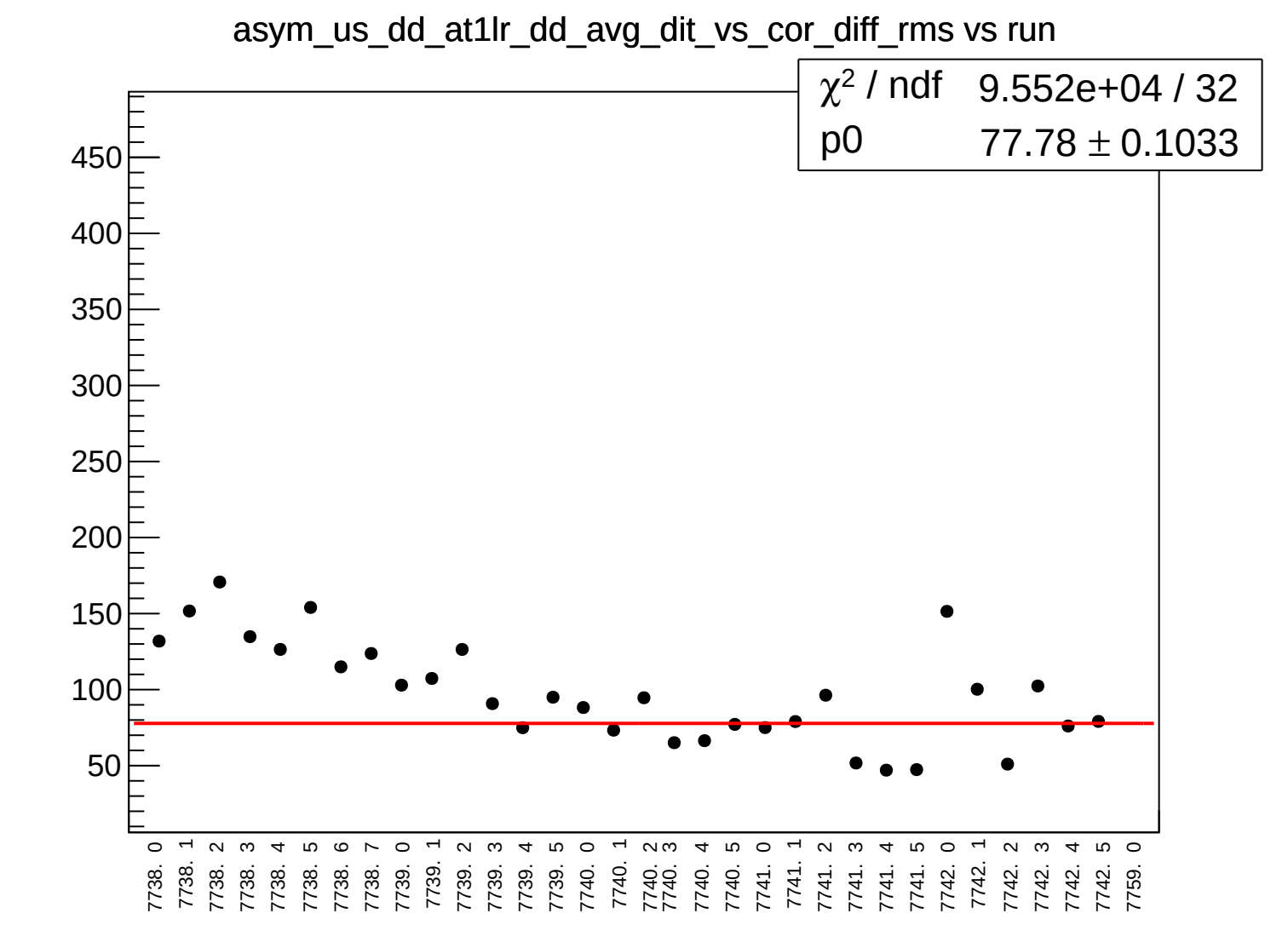

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 1727 / 32
p0 3268 ± 4.02
3800
3700
3600
3500
3400
3300
3200
3100
3000
2900
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

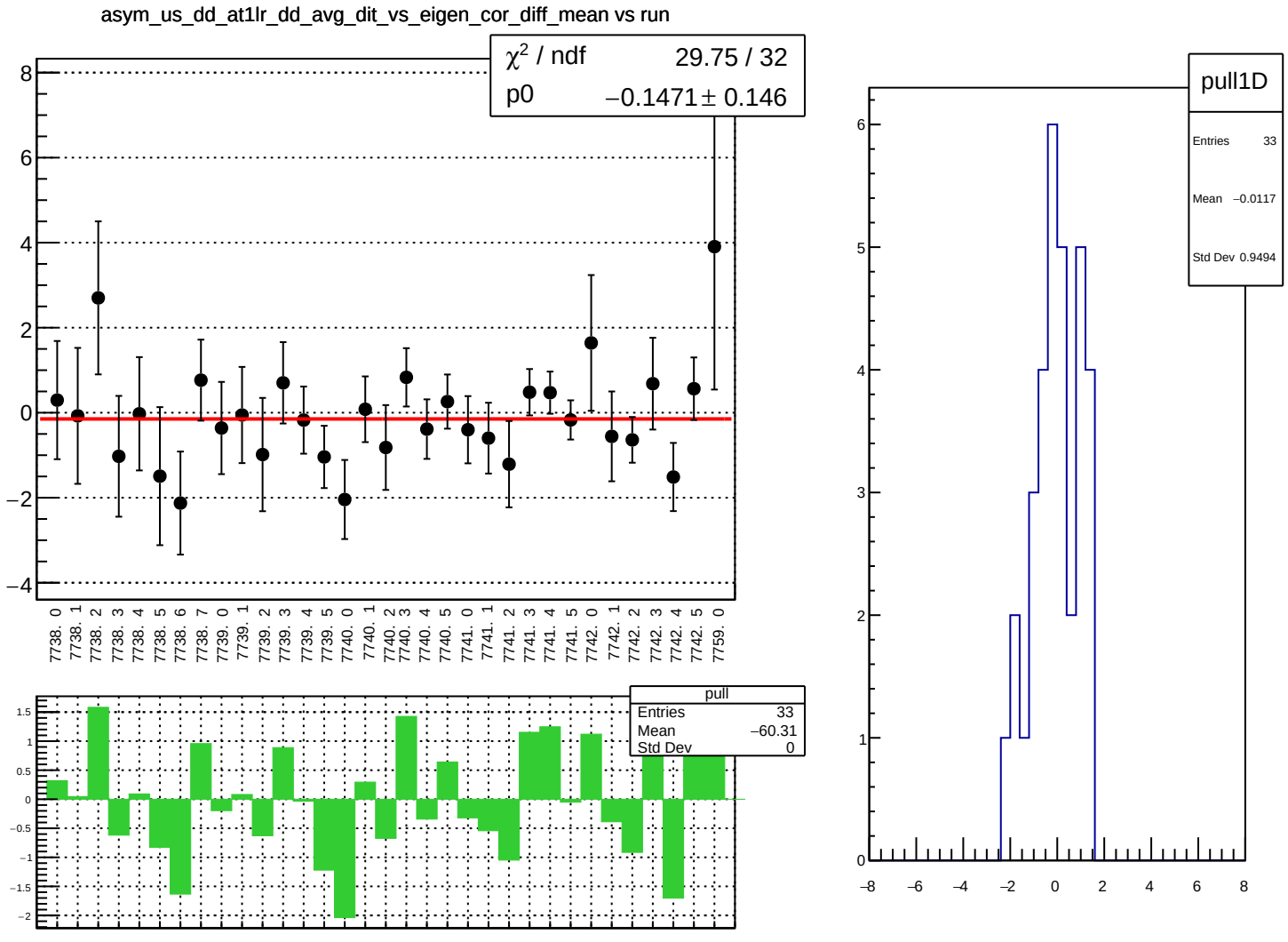

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 33.78 / 32
p0 4.746e−13 ± 3.752e−13
0.005
0
−0.005
−0.01
−0.015
−0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.19
Std Dev 0
2
1
0
−1
−2
−3

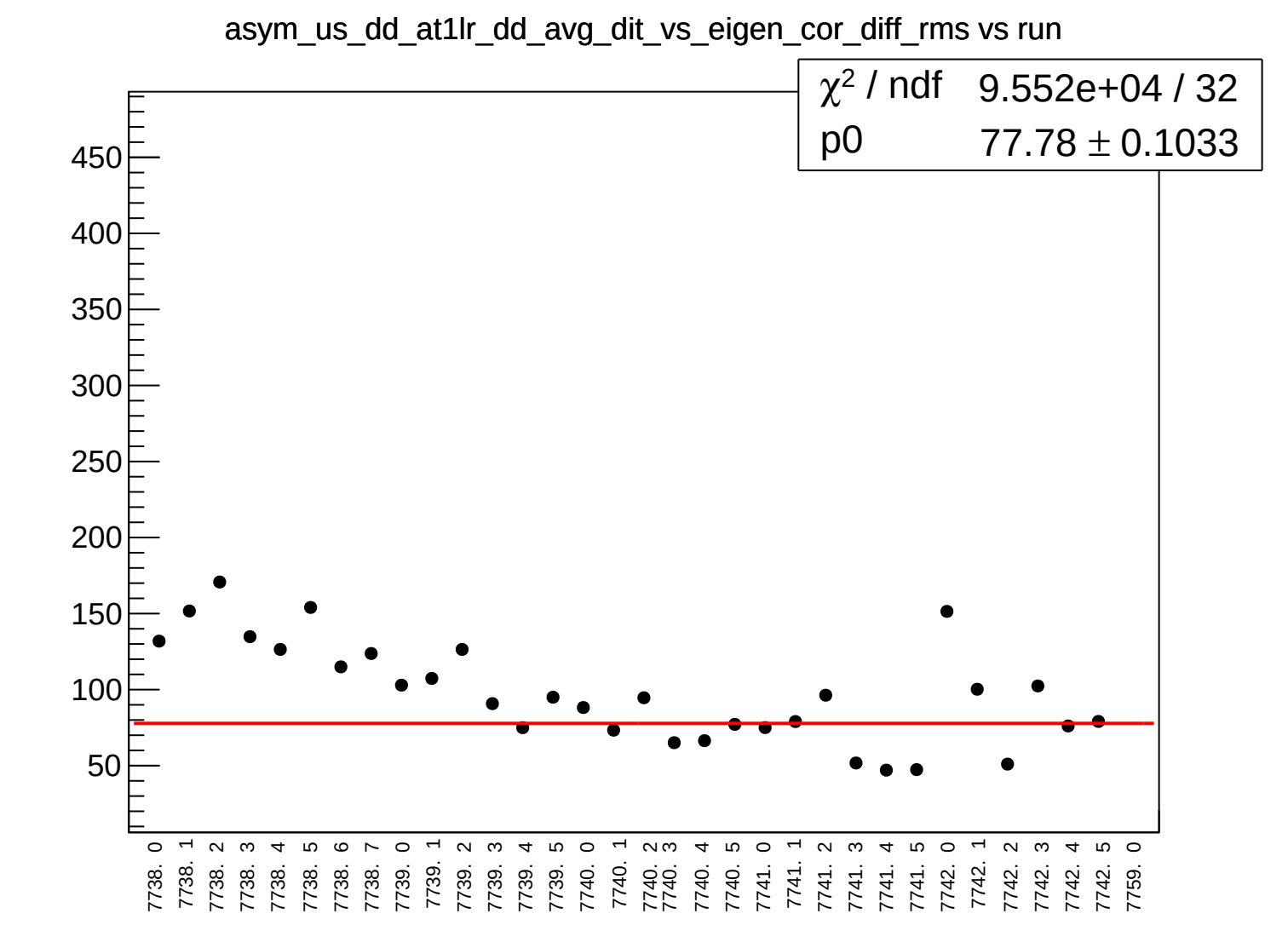

pull1D
Entries 33
Mean −0.152
Std Dev 1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

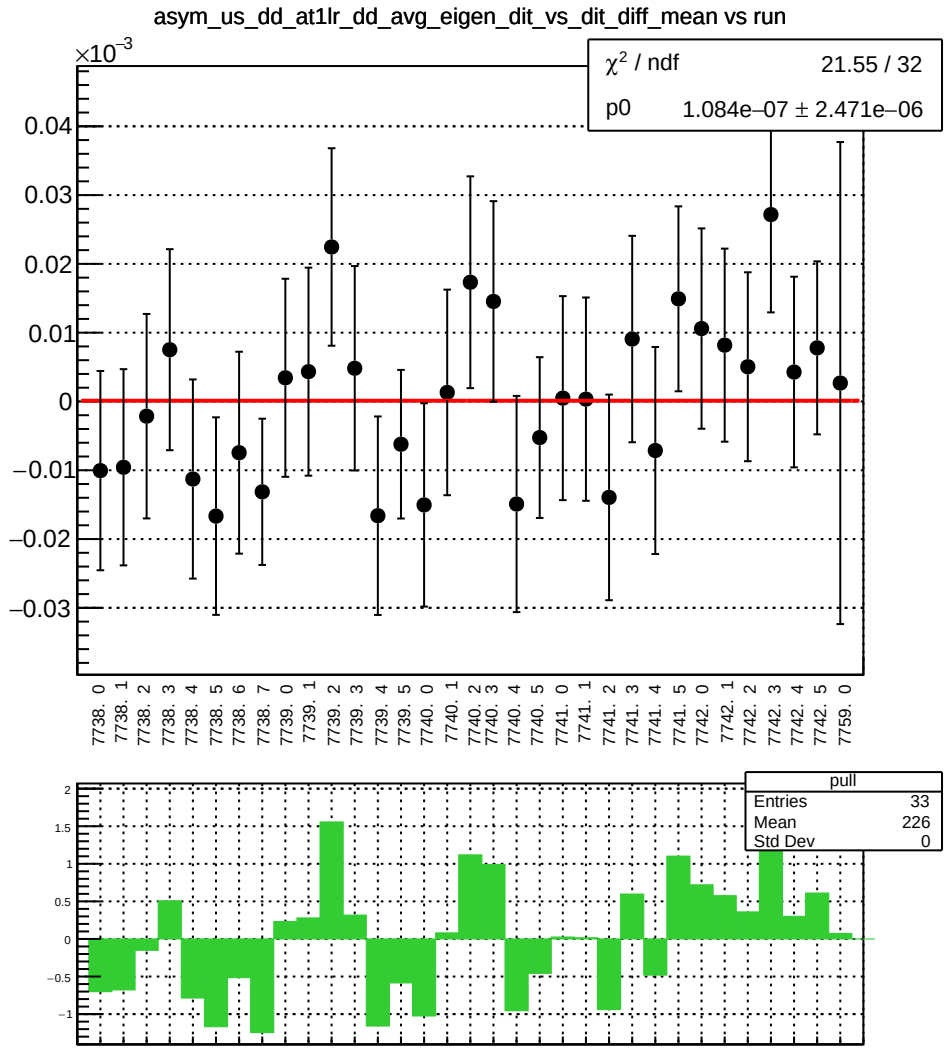

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.338e+05 / 32
p0 1.522e−10 ± 2.653e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

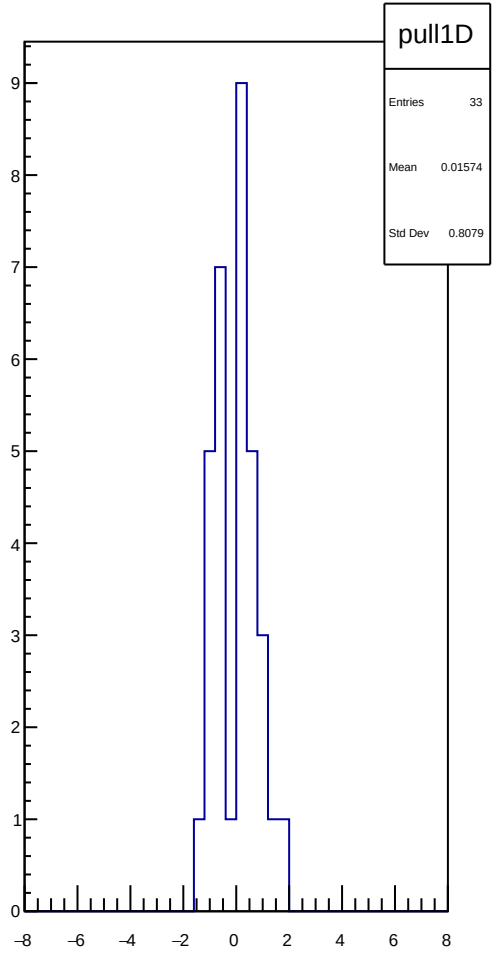

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 29.75 / 32
p0 −0.1471 ± 0.146
8
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −60.31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.0117
Std Dev 0.9494
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

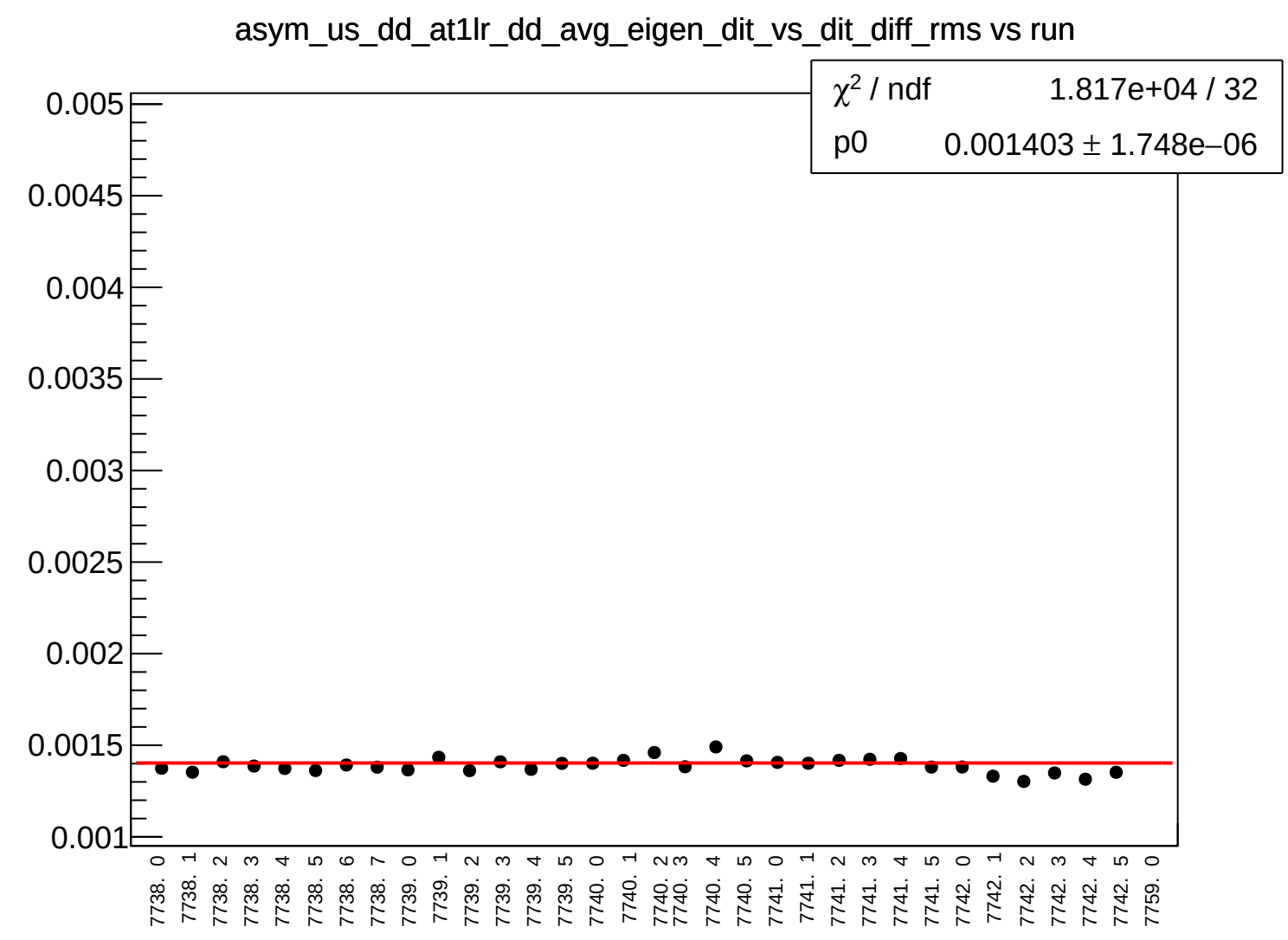

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.552e+04 / 32
p0 77.78 ± 0.1033
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

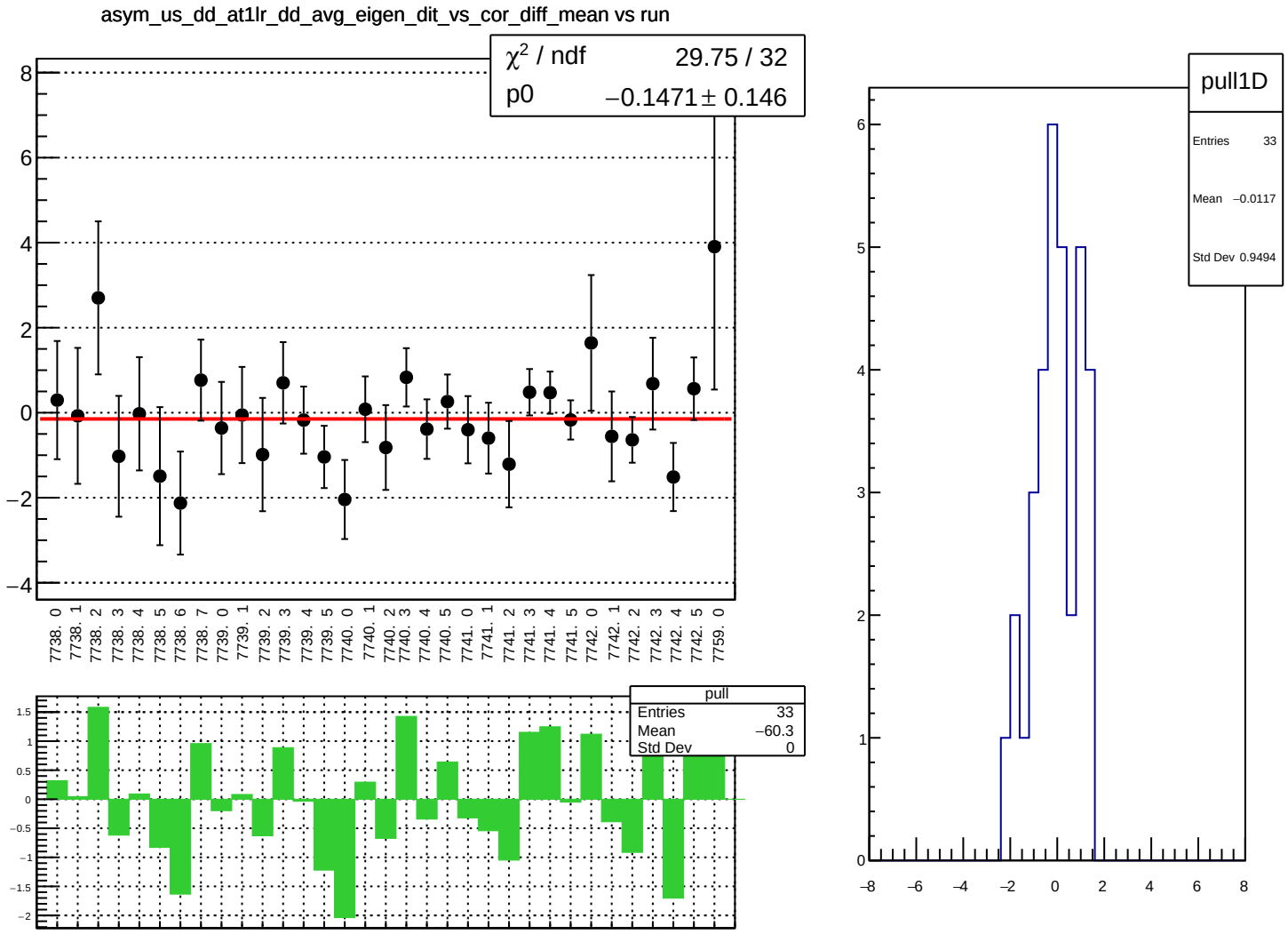

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 29.75 / 32
p0 −0.1471 ± 0.146
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −60.31
Std Dev 0
pull1D
Entries 33
Mean −0.0117
Std Dev 0.9494

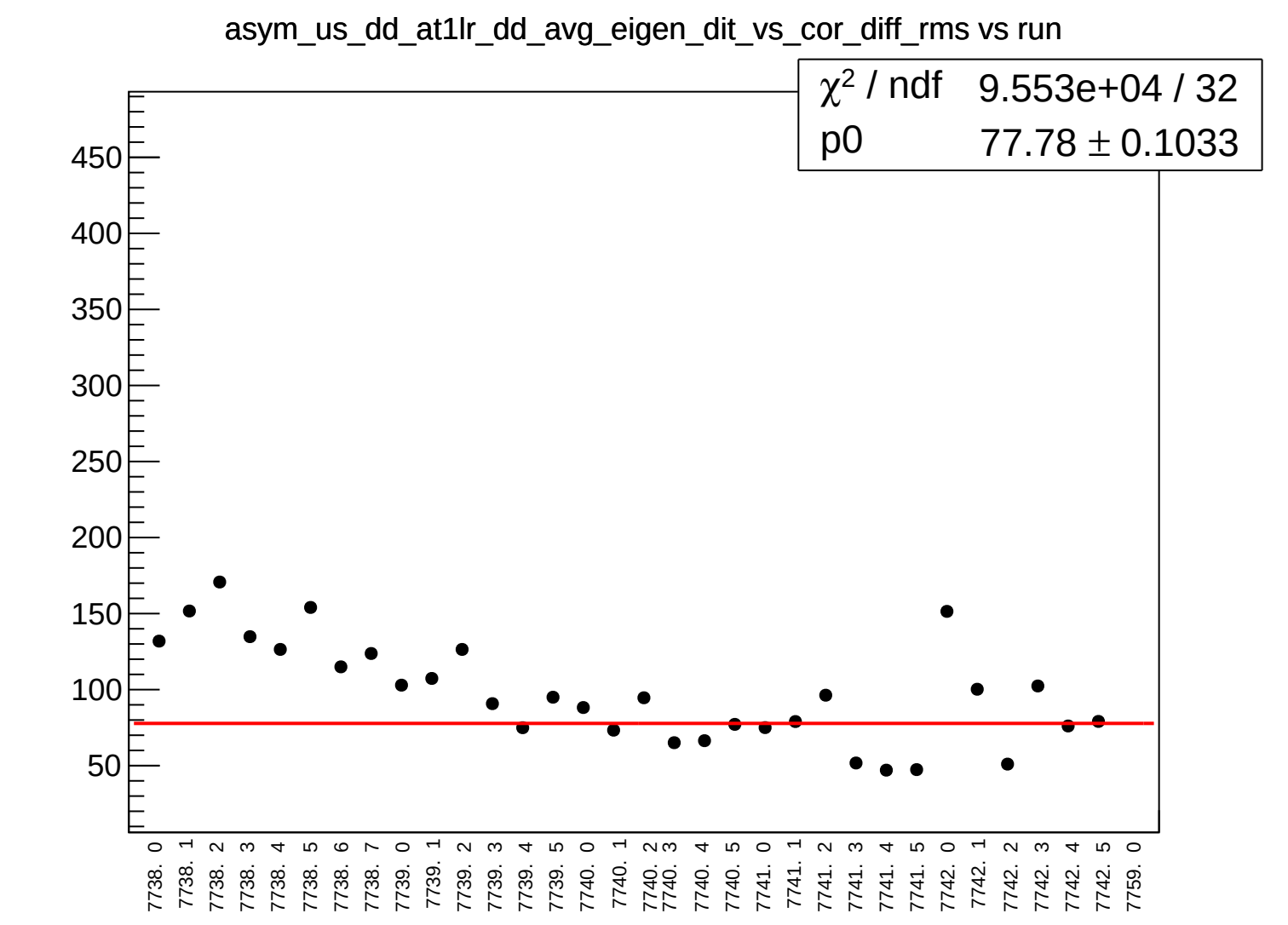

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.552e+04 / 32
p0 77.78 ± 0.1033
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

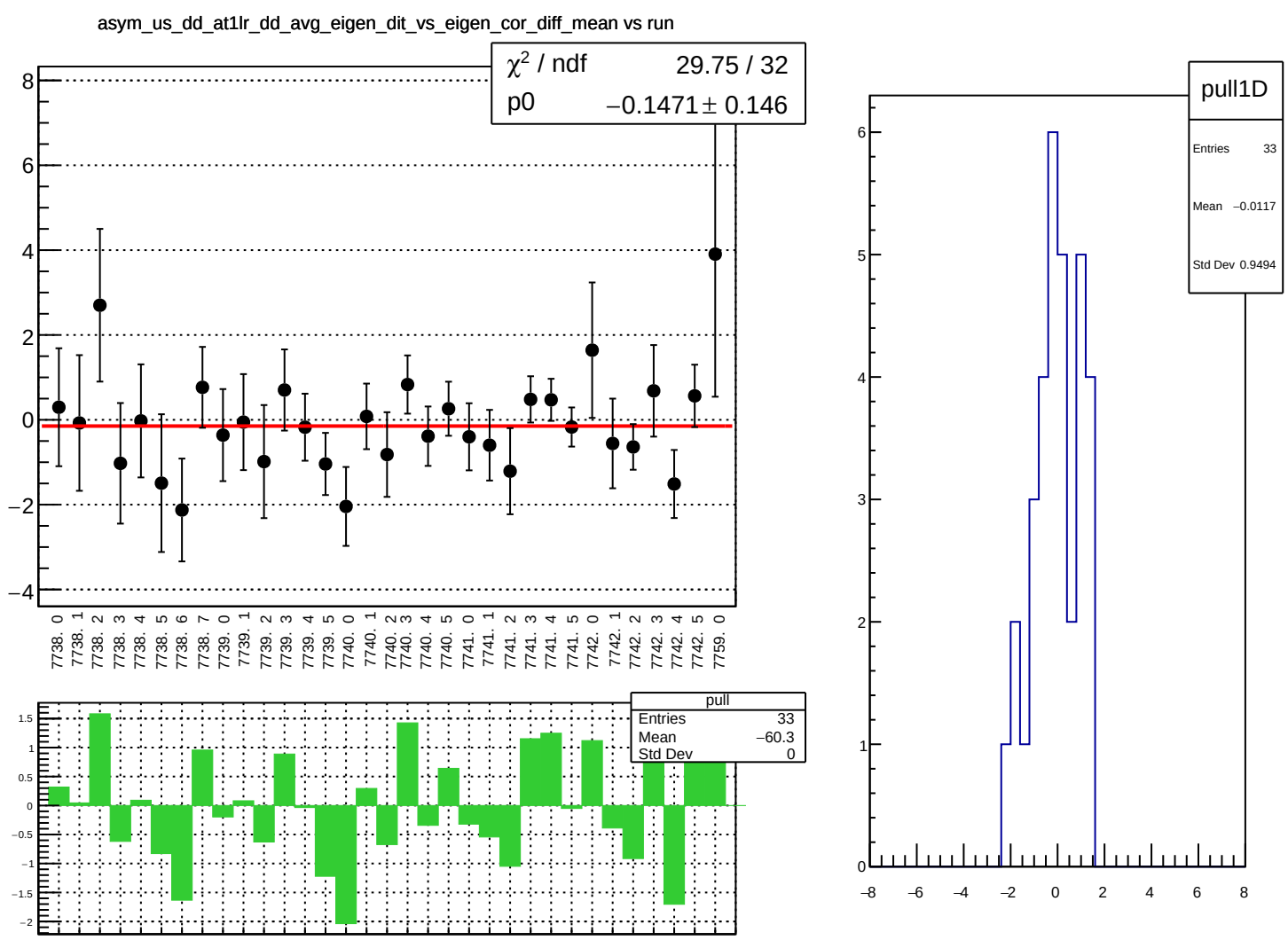

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 21.55 / 32
p0 1.084e−07 ± 2.471e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 226
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

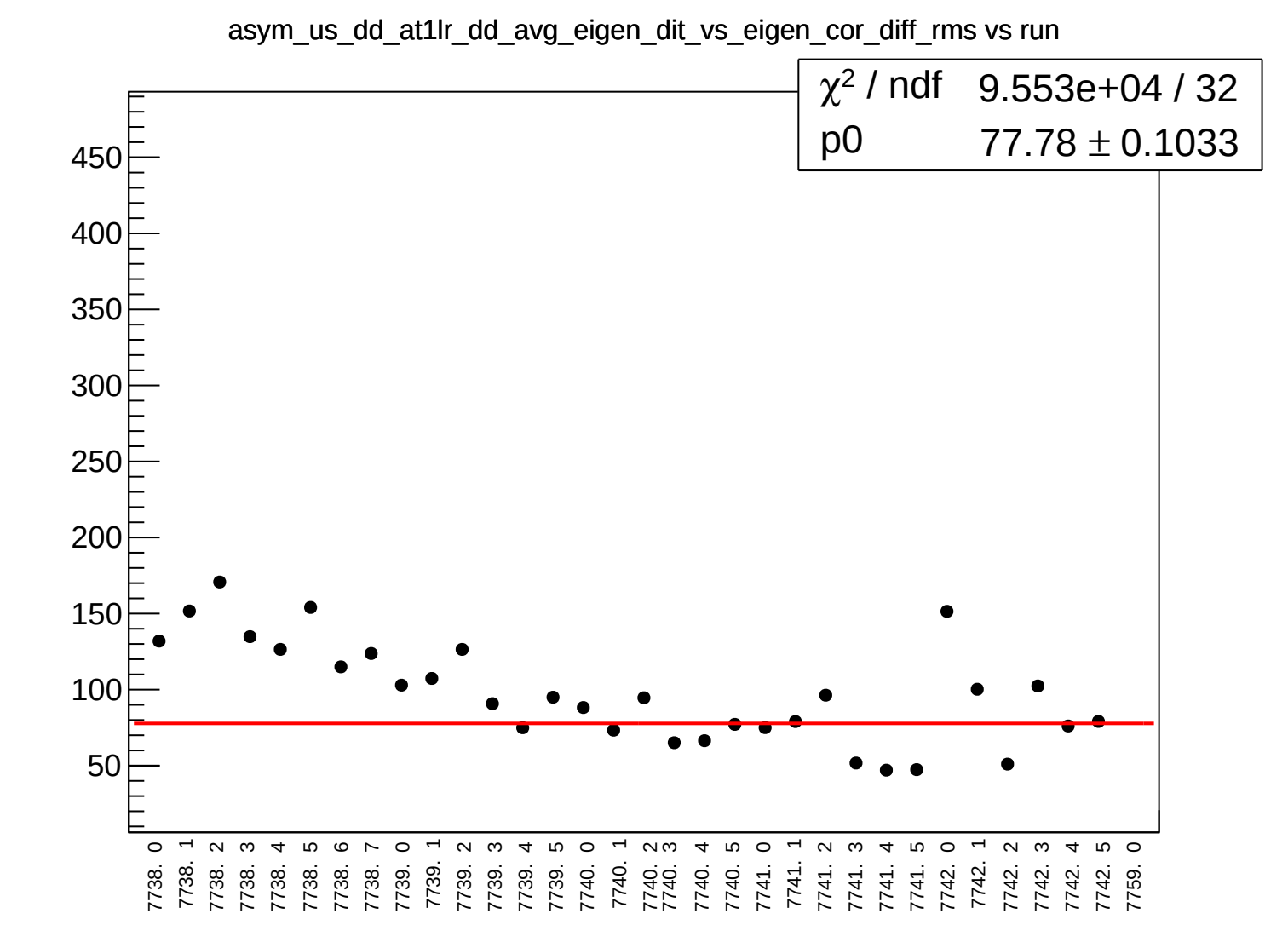

pull1D
Entries 33
Mean 0.01574
Std Dev 0.8079
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

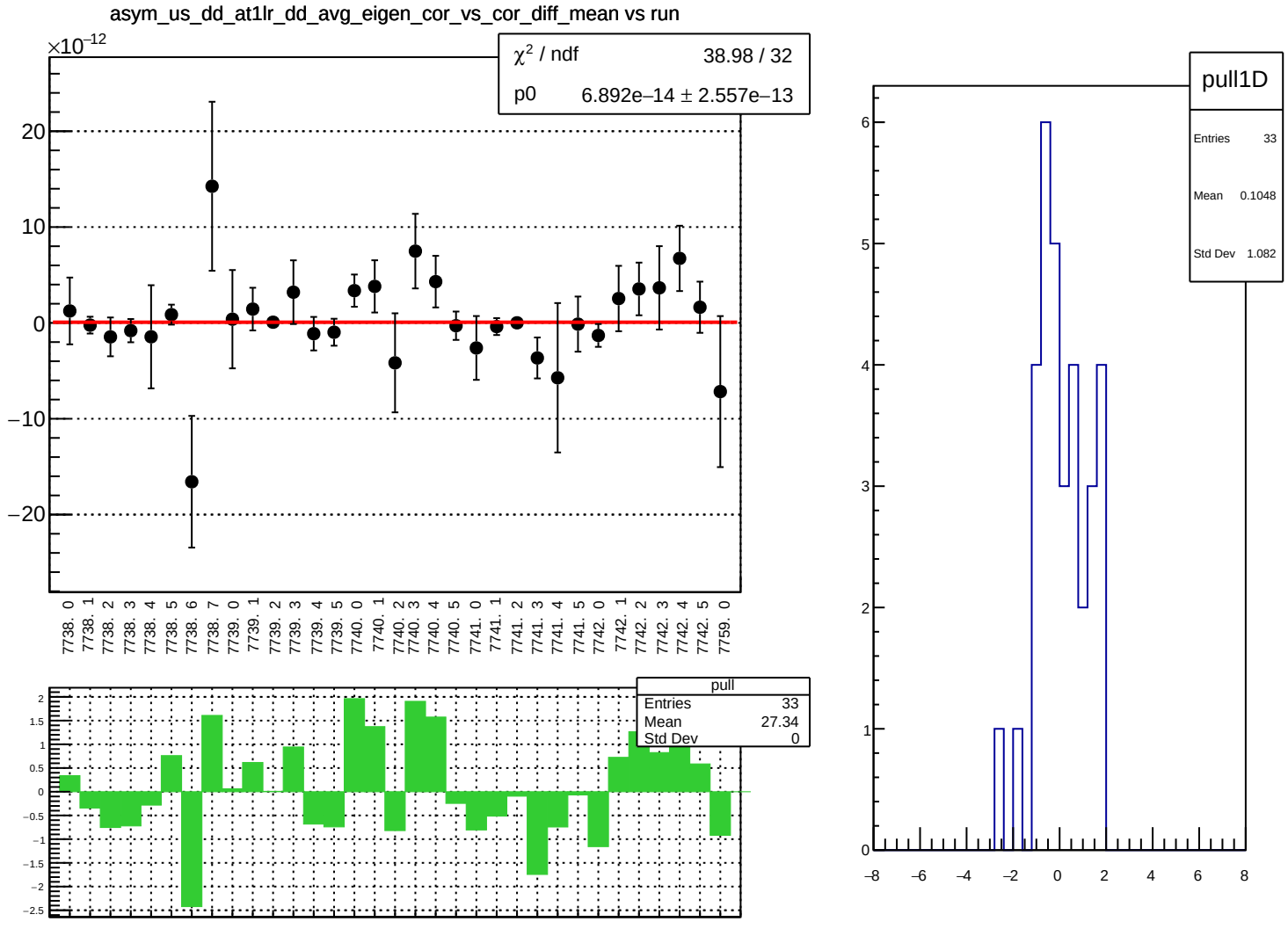

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.817e+04 / 32
p0 0.001403 ± 1.748e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

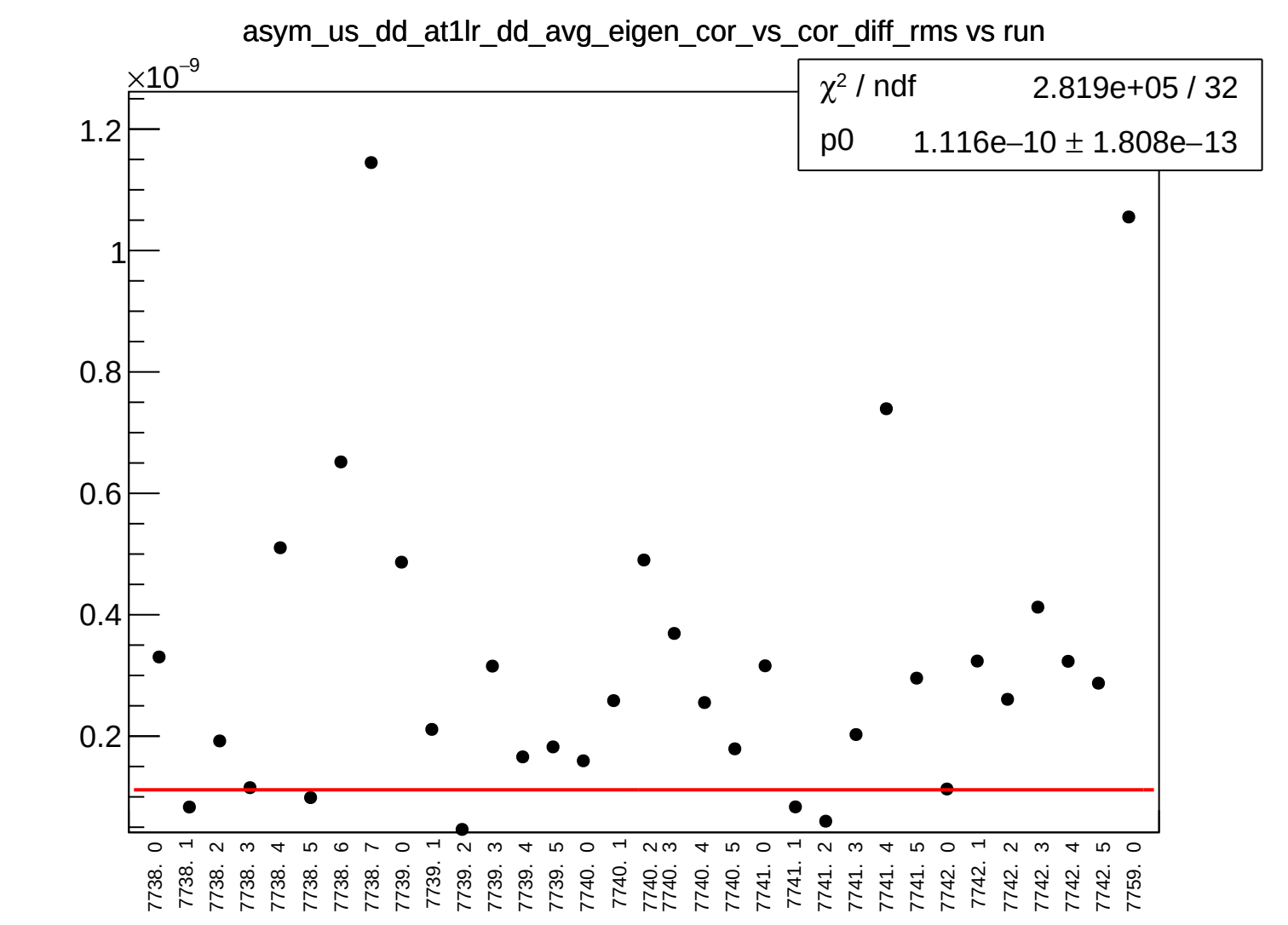

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 29.75 / 32
p0 −0.1471 ± 0.146
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −60.3
Std Dev 0
pull1D
Entries 33
Mean −0.0117
Std Dev 0.9494

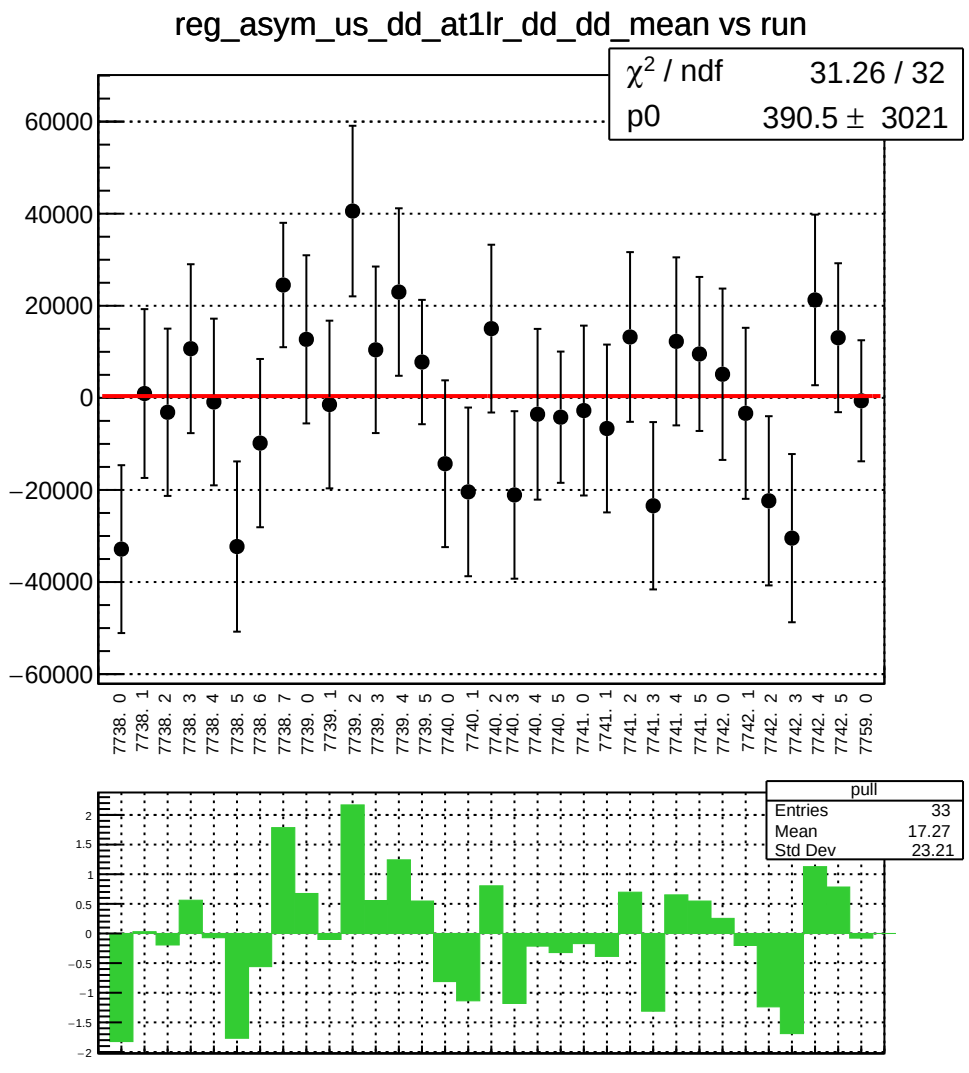

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.553e+04 / 32
p0 77.78 ± 0.1033
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

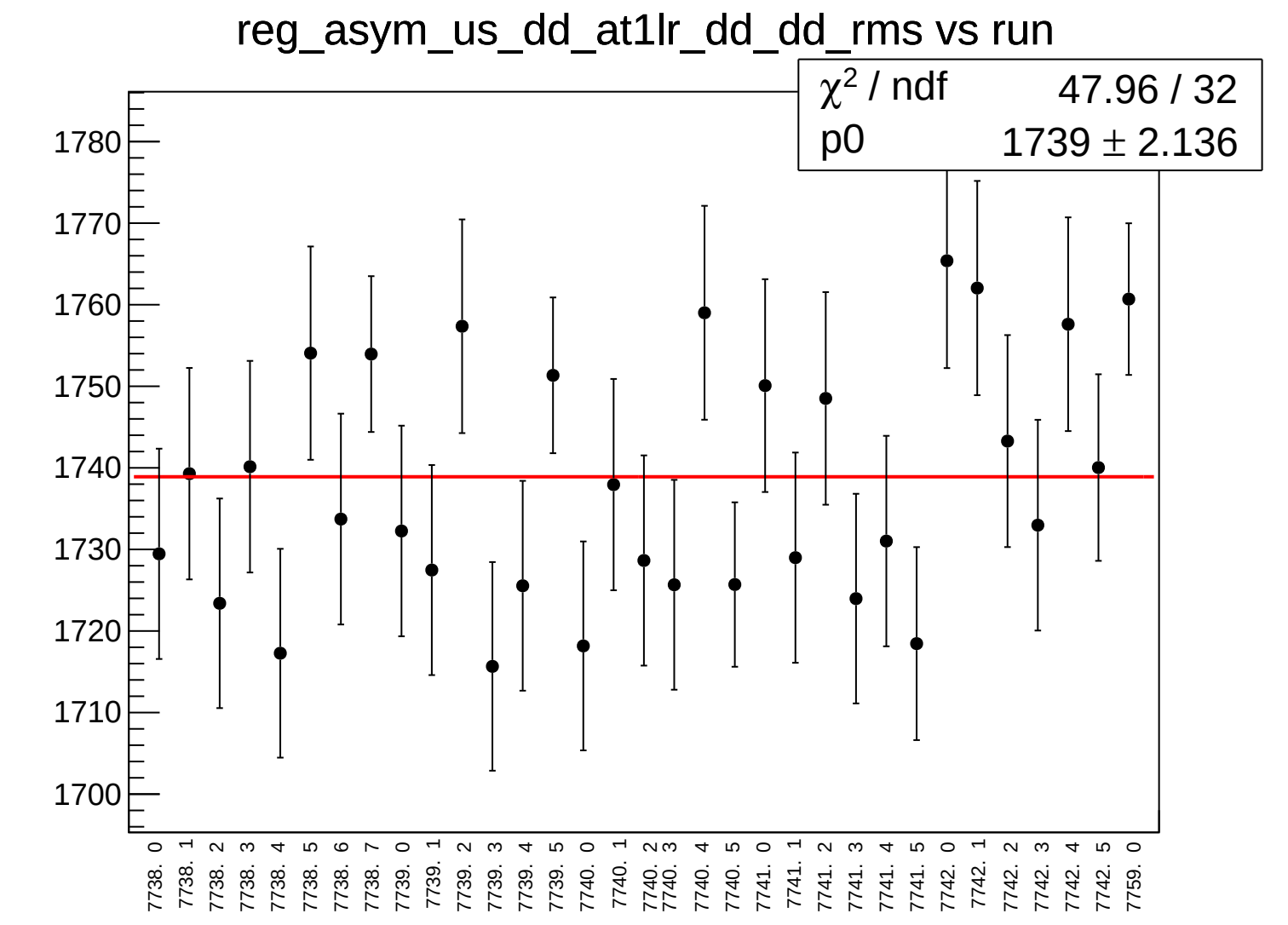

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 29.75 / 32
p0 −0.1471 ± 0.146
8
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −60.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.0117
Std Dev 0.9494
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

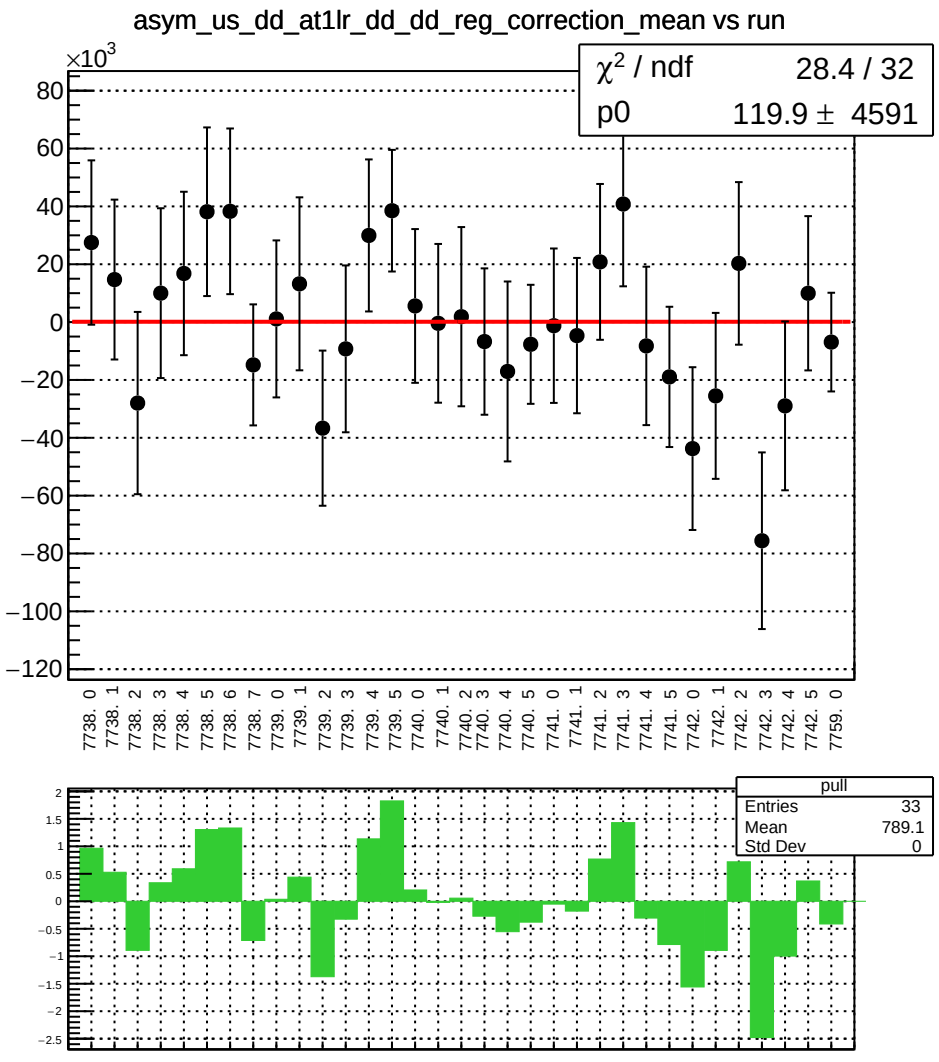

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.553e+04 / 32
p0 77.78 ± 0.1033
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

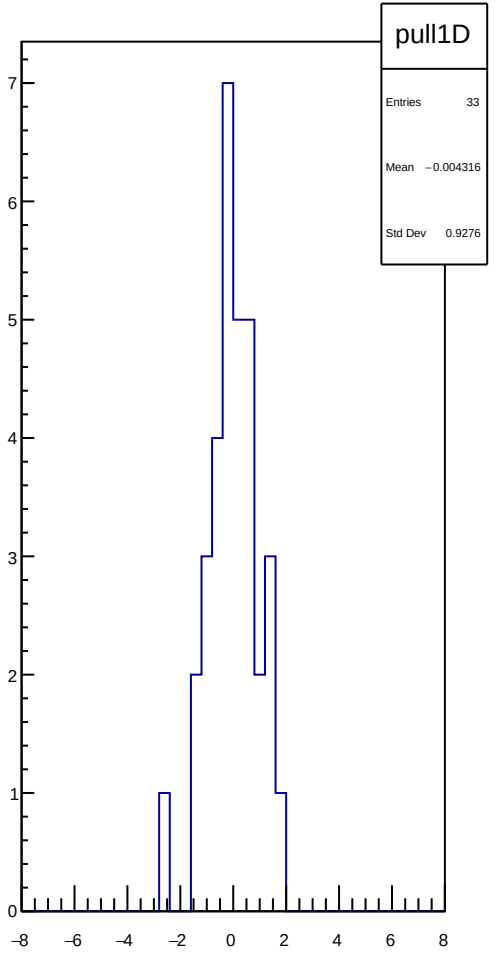

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 38.98 / 32
p0 6.892e−14 ± 2.557e−13
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.1048
Std Dev 1.082
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.819e+05 / 32
p0 1.116e−10 ± 1.808e−13
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 31.26 / 32
p0 390.5 ± 3021
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.27
Std Dev 23.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02493
Std Dev 0.9729
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_dd_rms vs run
χ² / ndf 47.96 / 32
p0 1739 ± 2.136
1780
1770
1760
1750
1740
1730
1720
1710
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.4 / 32
p0 119.9 ± 4591
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 789.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean −0.004316
Std Dev 0.9276
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6
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4
3
2
1
0
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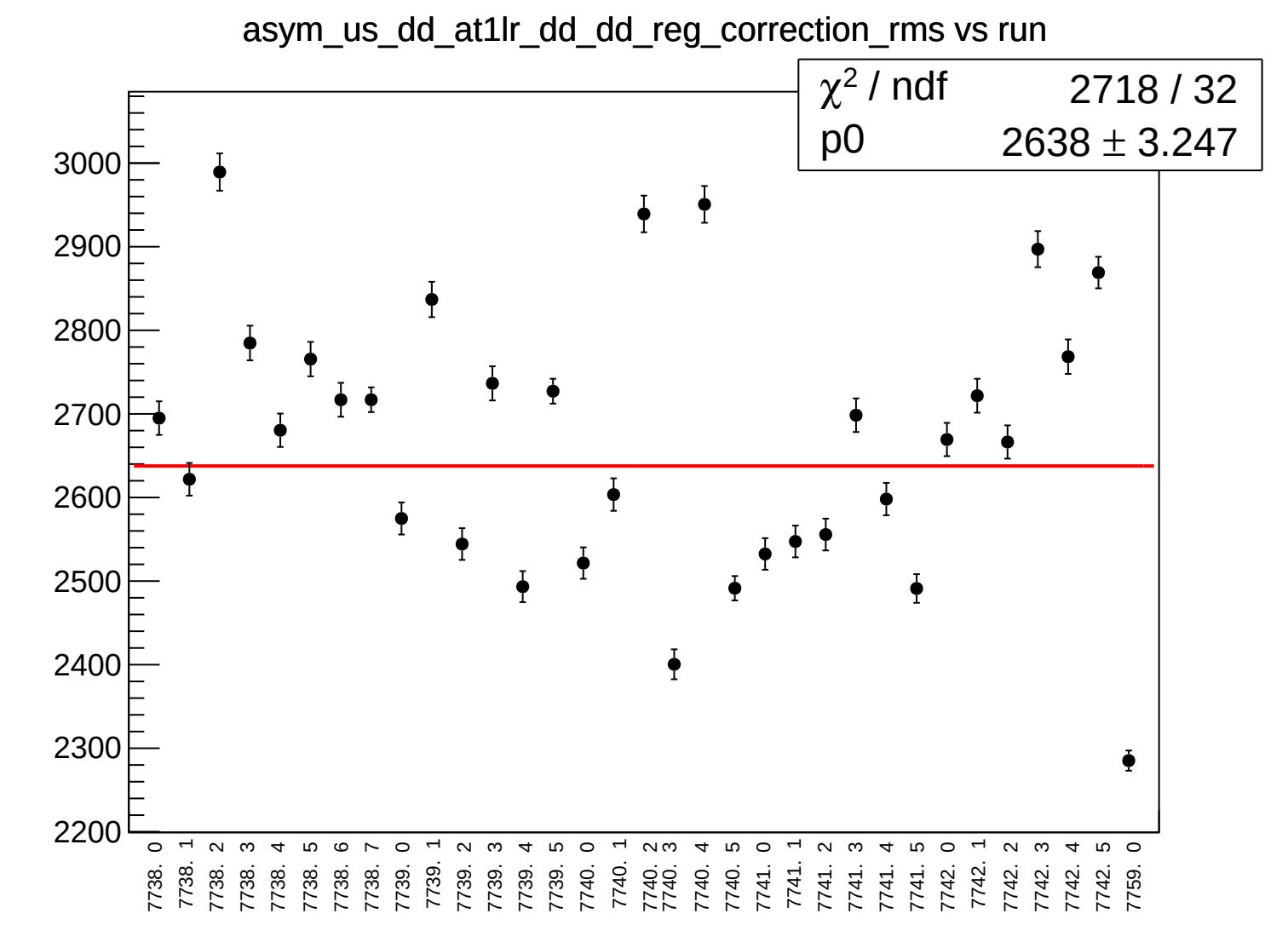
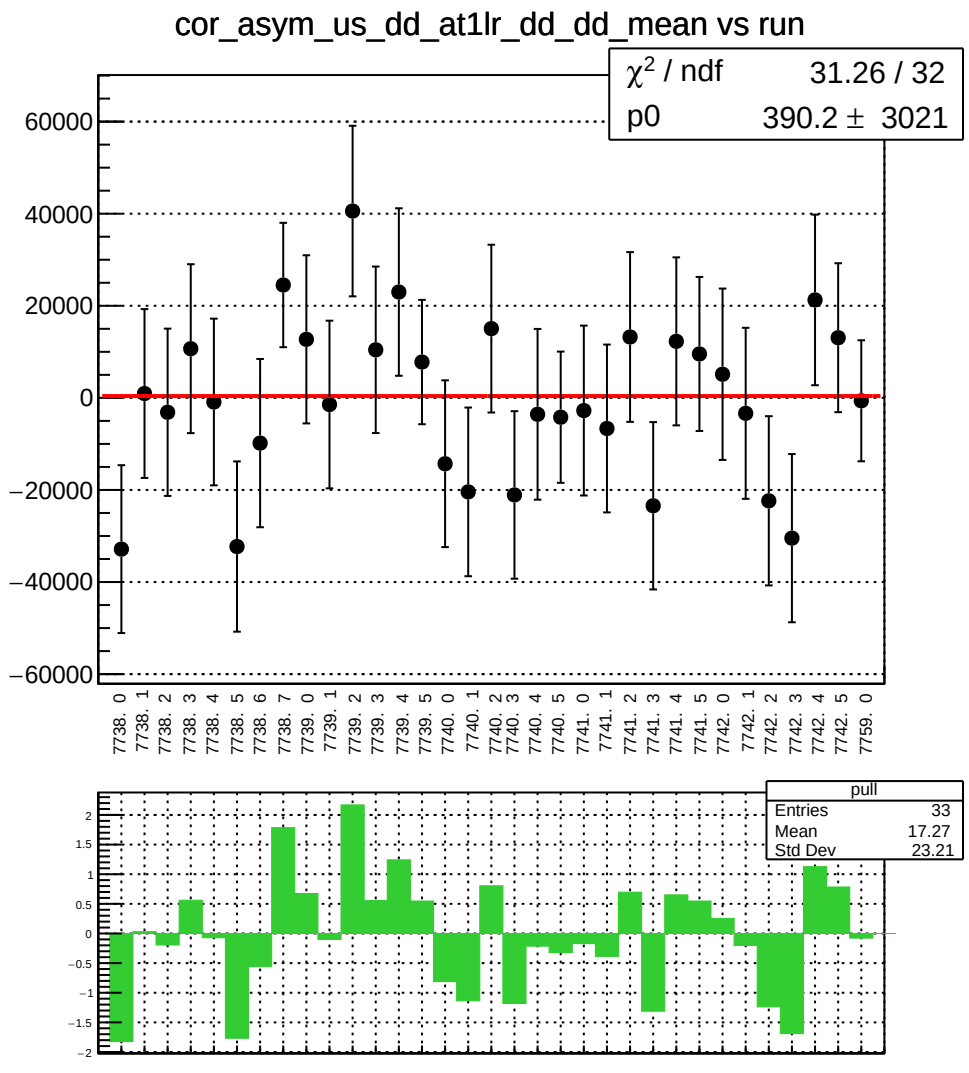
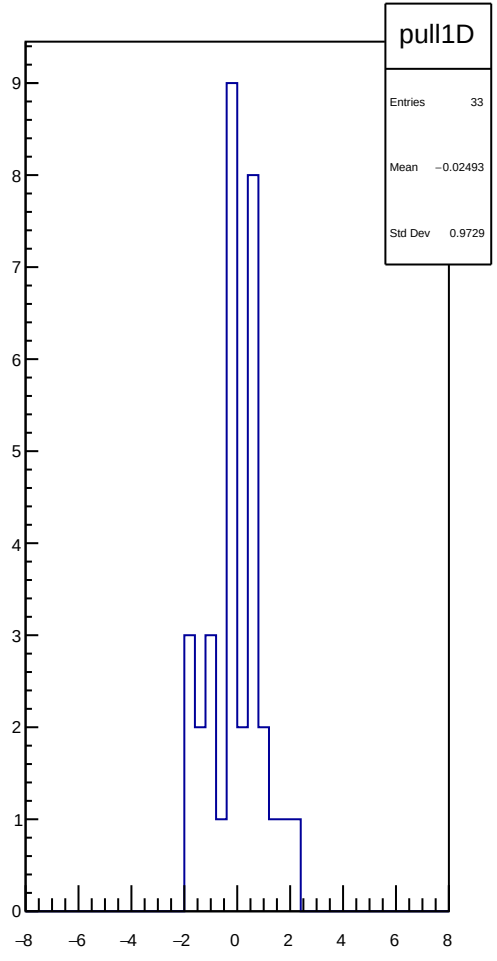
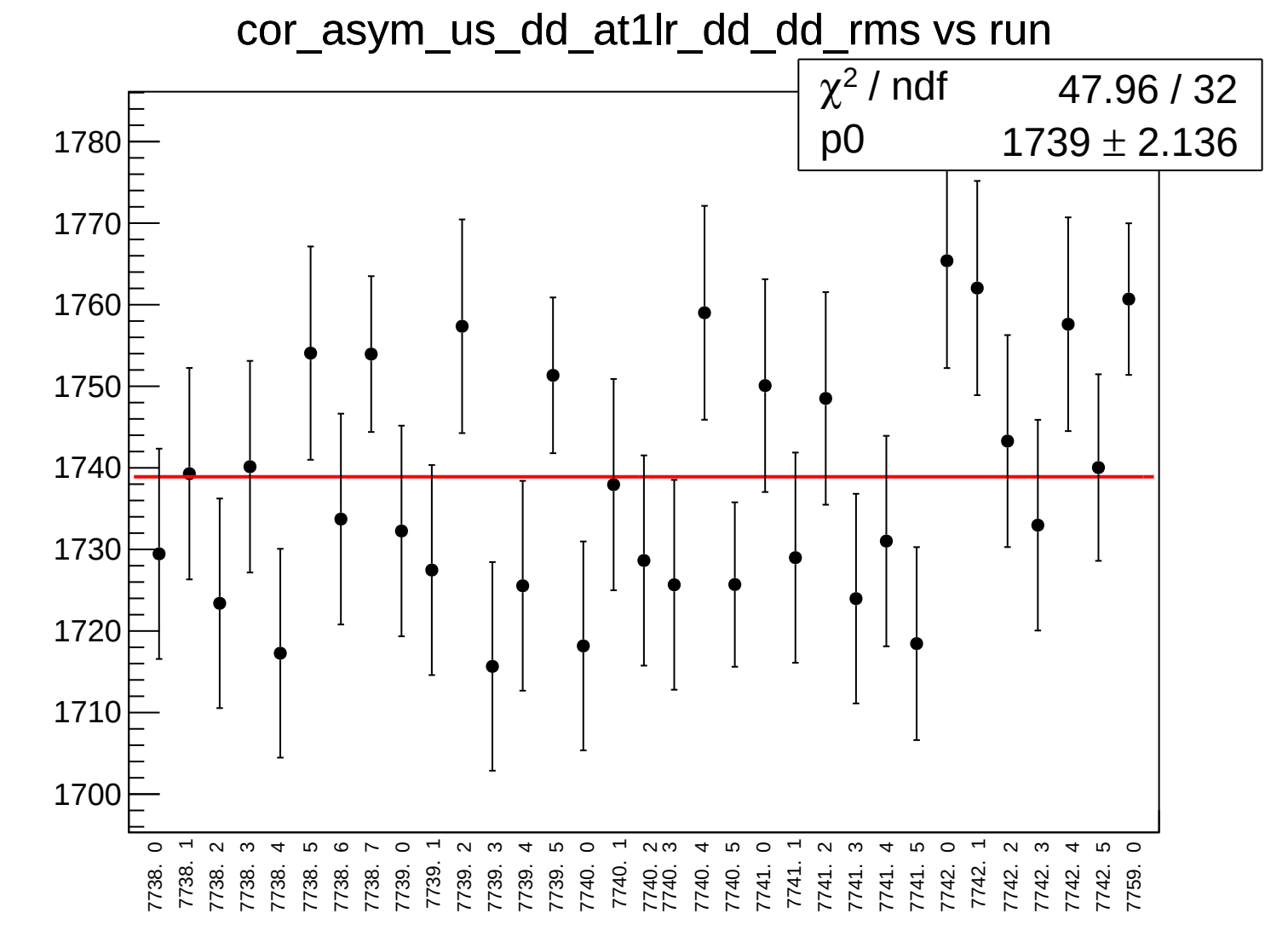
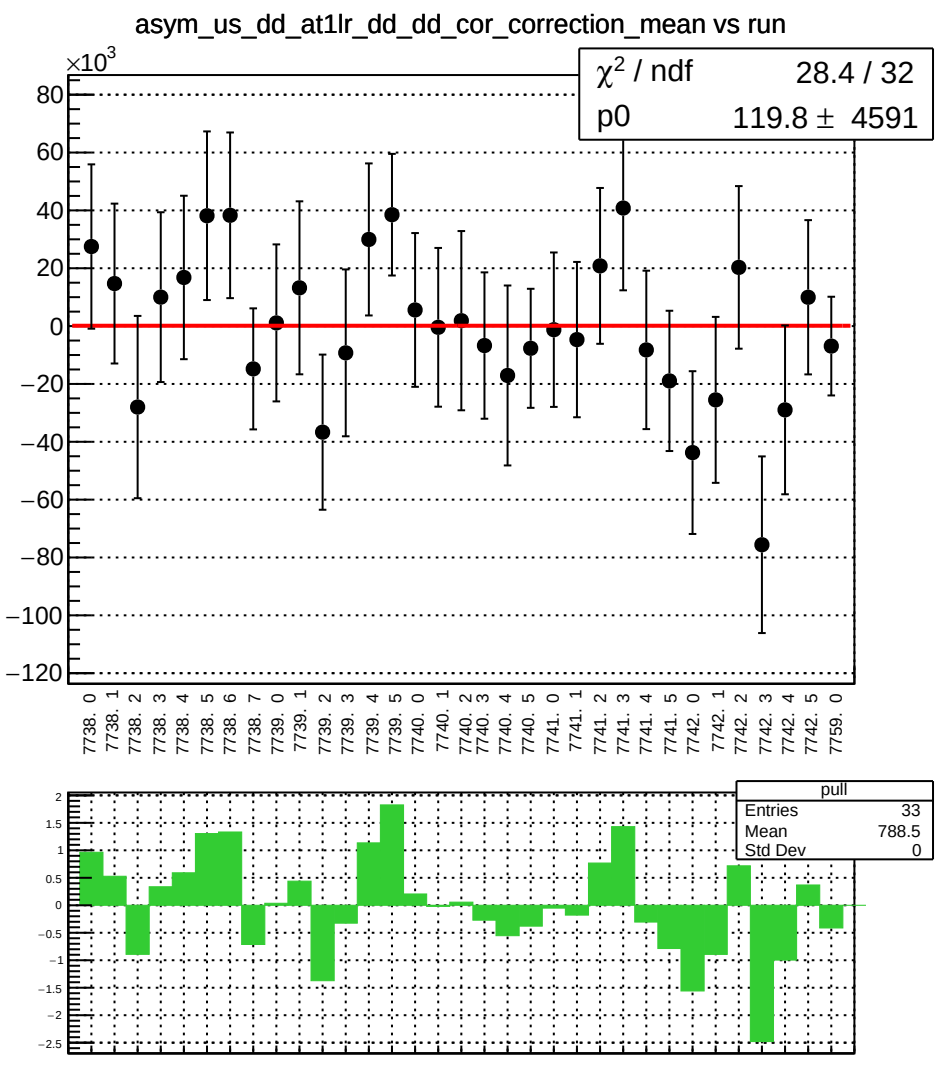
−6
−4
−2
0
2
4
6
8

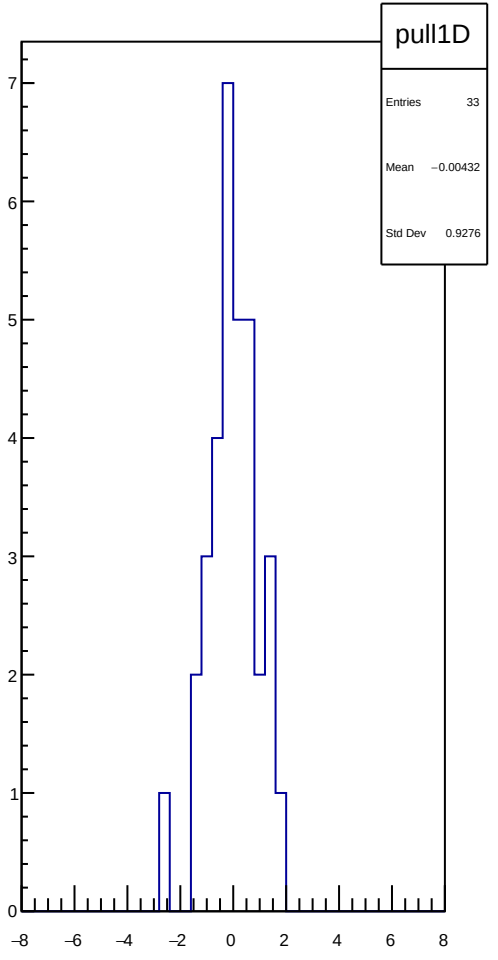

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2718 / 32
p0 2638 ± 3.247
3000
2900
2800
2700
2600
2500
2400
2300
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

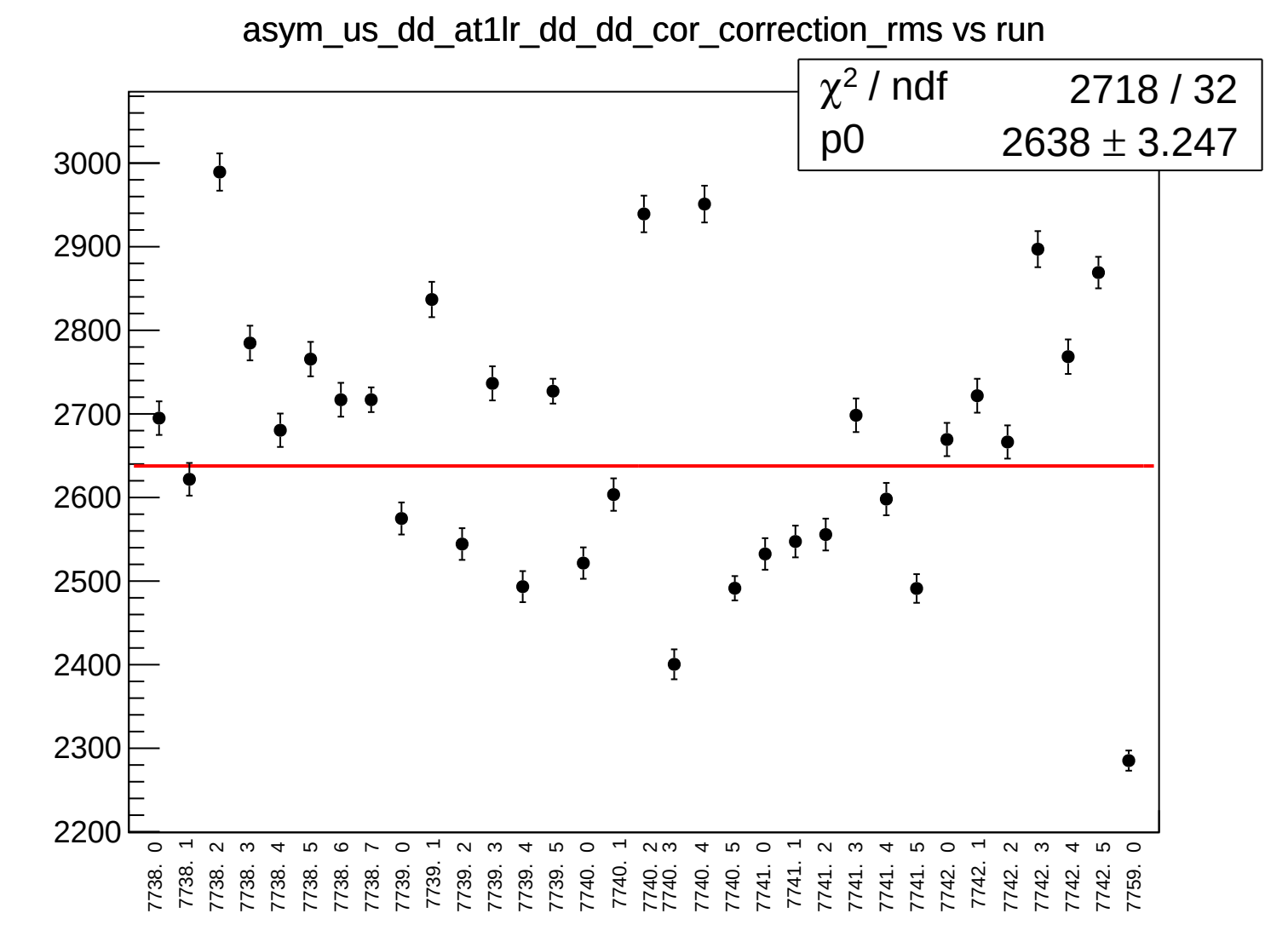

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 31.26 / 32
p0 390.2 ± 3021
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.27
Std Dev 23.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

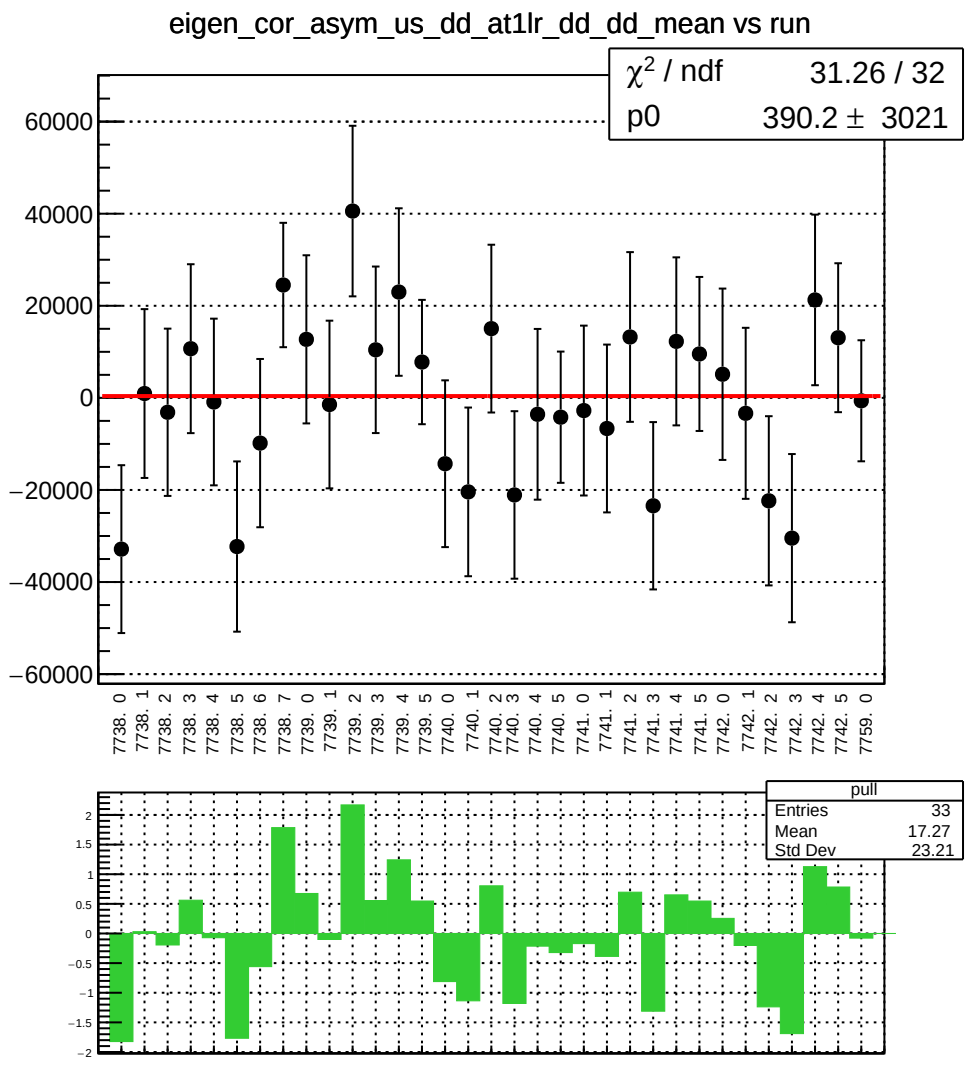

pull1D
Entries 33
Mean −0.02493
Std Dev 0.9729
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

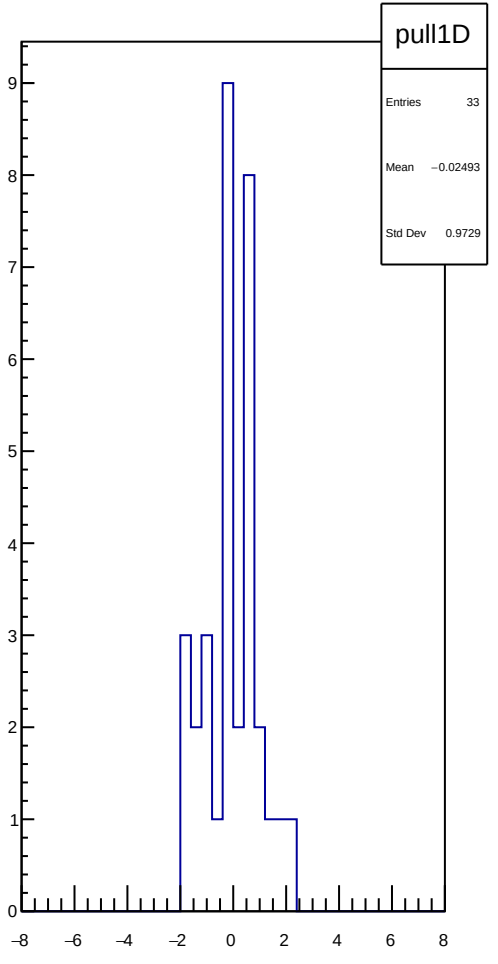

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 47.96 / 32
p0 1739 ± 2.136
1780
1770
1760
1750
1740
1730
1720
1710
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

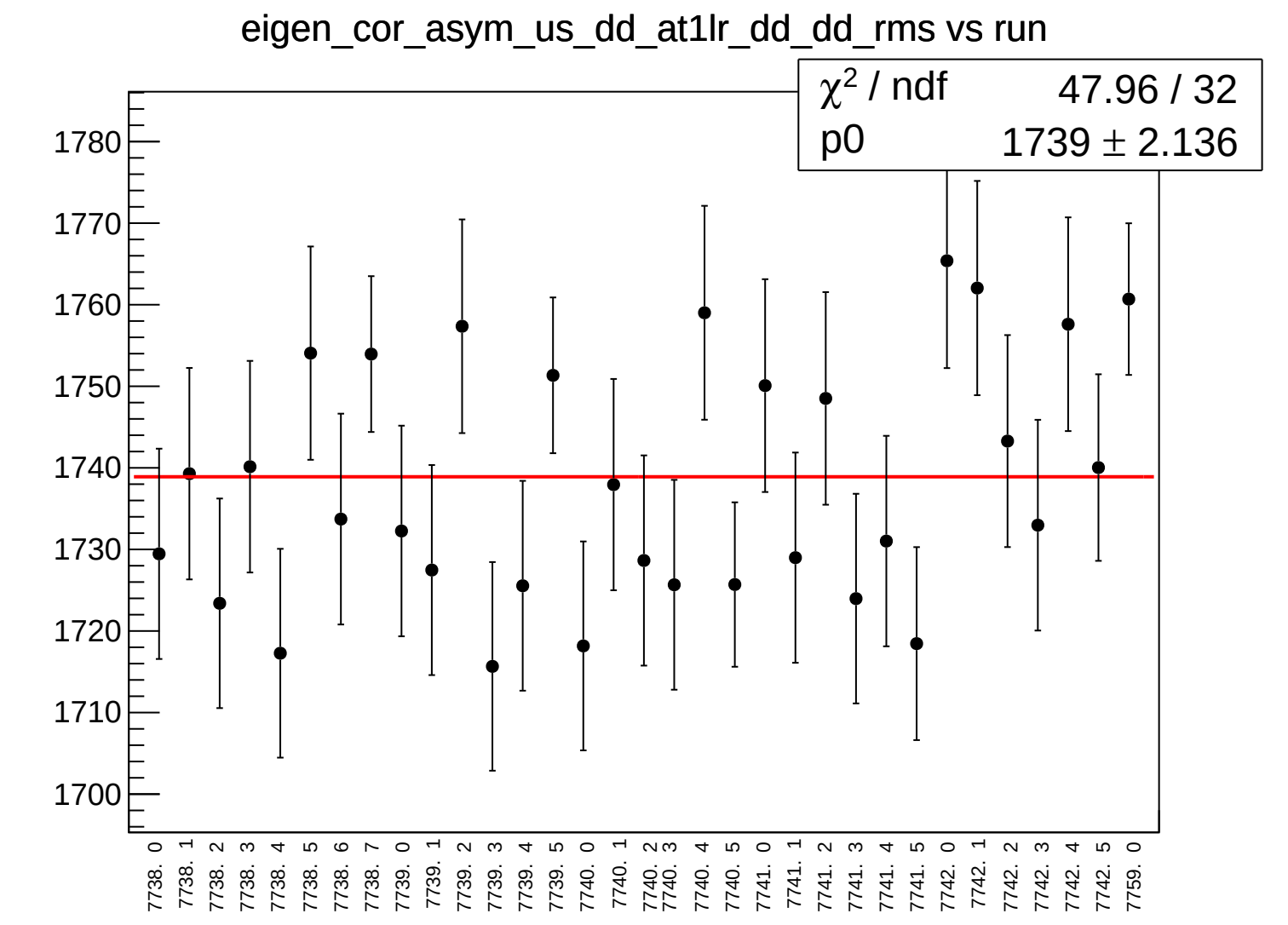

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 28.4 / 32
p0 119.8 ± 4591
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 788.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

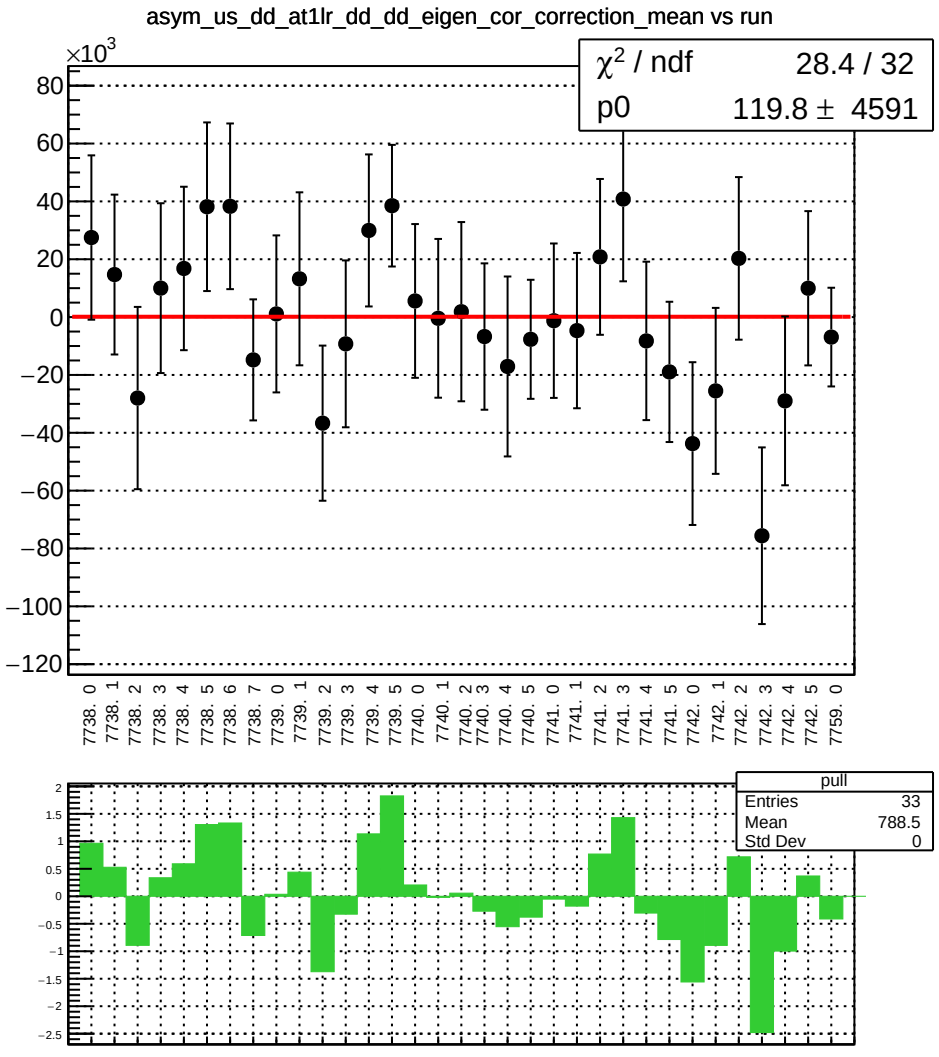

pull1D
Entries 33
Mean −0.00432
Std Dev 0.9276
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

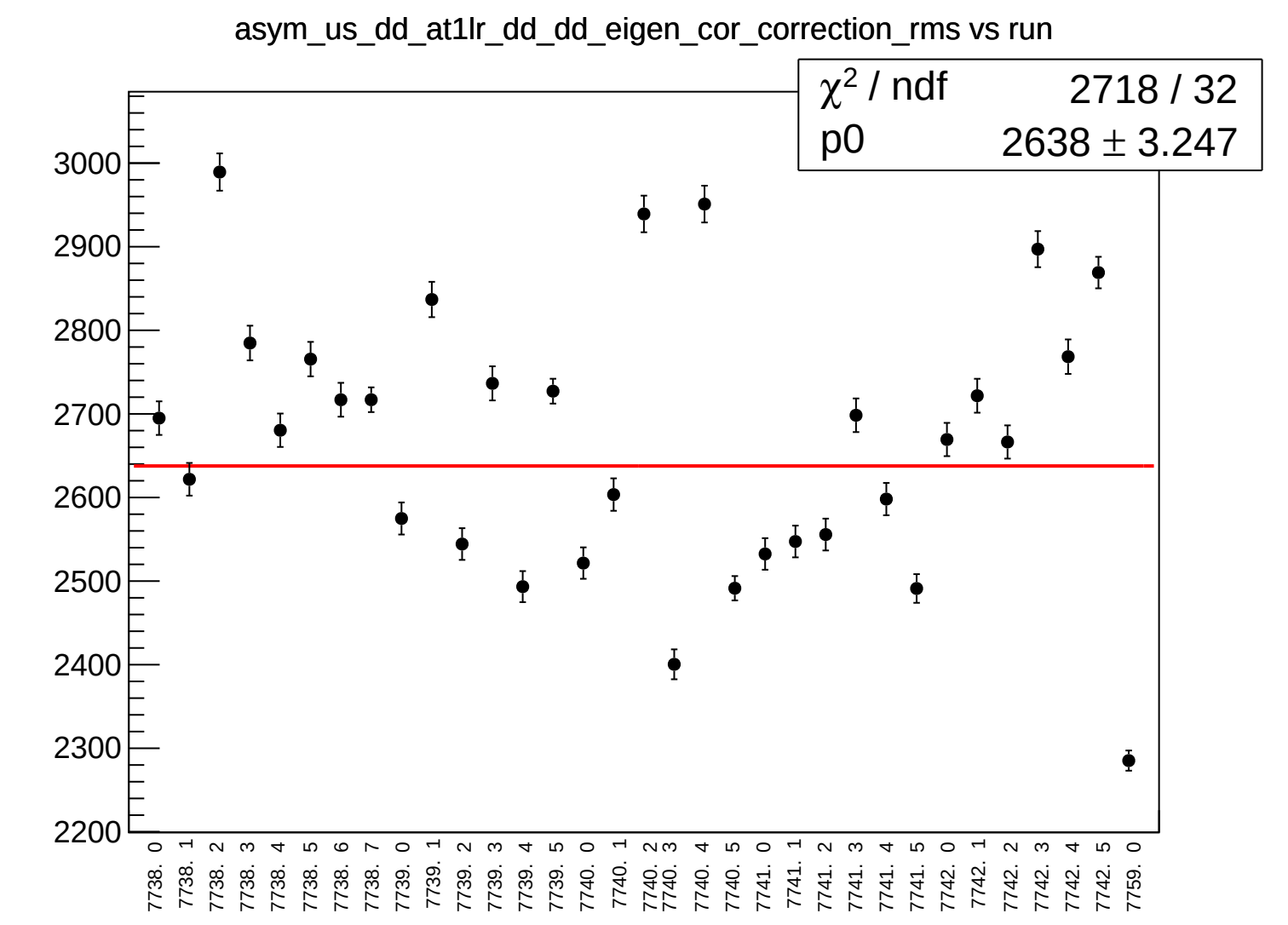

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2718 / 32
p0 2638 ± 3.247
3000
2900
2800
2700
2600
2500
2400
2300
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 31.26 / 32
p0 390.2 ± 3021
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.27
Std Dev 23.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean −0.02493
Std Dev 0.9729
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_dd_rms vs run
χ² / ndf 47.96 / 32
p0 1739 ± 2.136
1780
1770
1760
1750
1740
1730
1720
1710
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.4 / 32
p0 119.8 ± 4591
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 788.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.00432
Std Dev 0.9276
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 2718 / 32
p0 2638 ± 3.247
3000
2900
2800
2700
2600
2500
2400
2300
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
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7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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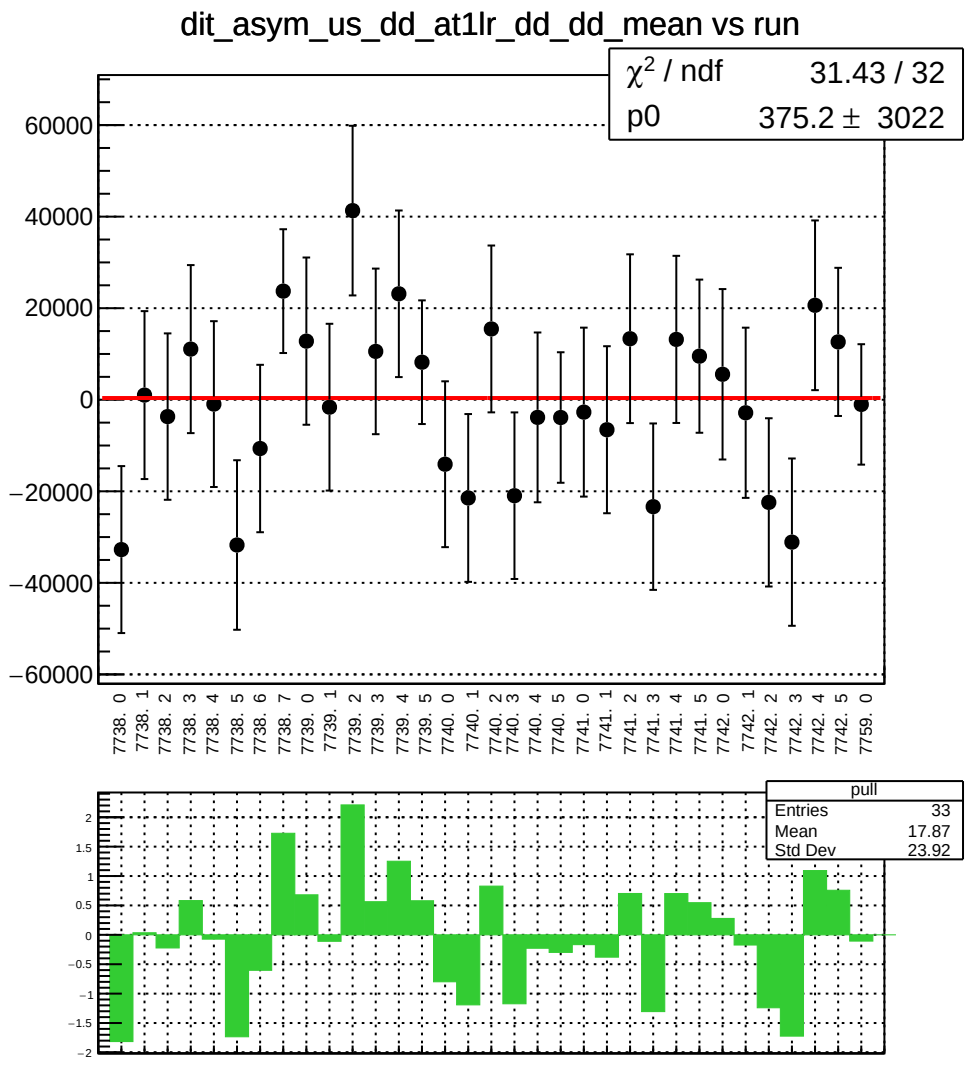
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 31.43 / 32
p0 375.2 ± 3022
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
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7740. 1
7740. 2
7740. 3
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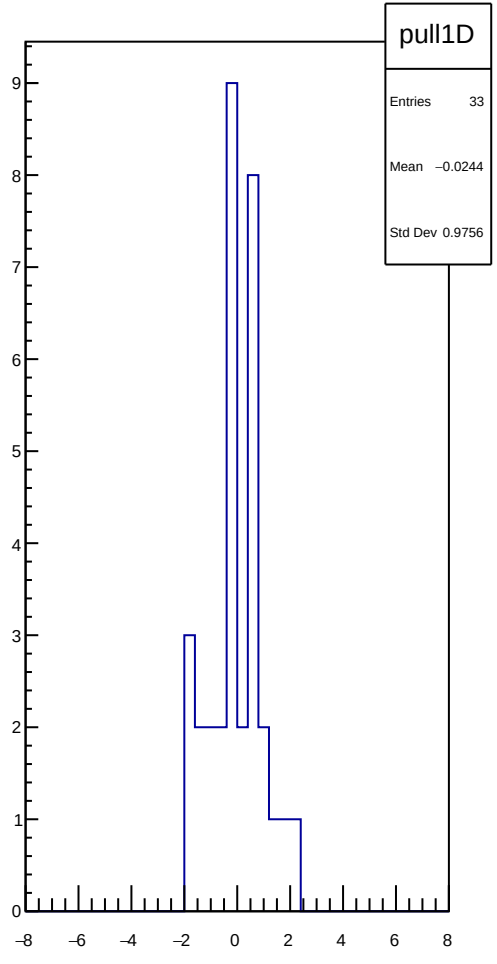
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.87
Std Dev 23.92
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean −0.0244
Std Dev 0.9756
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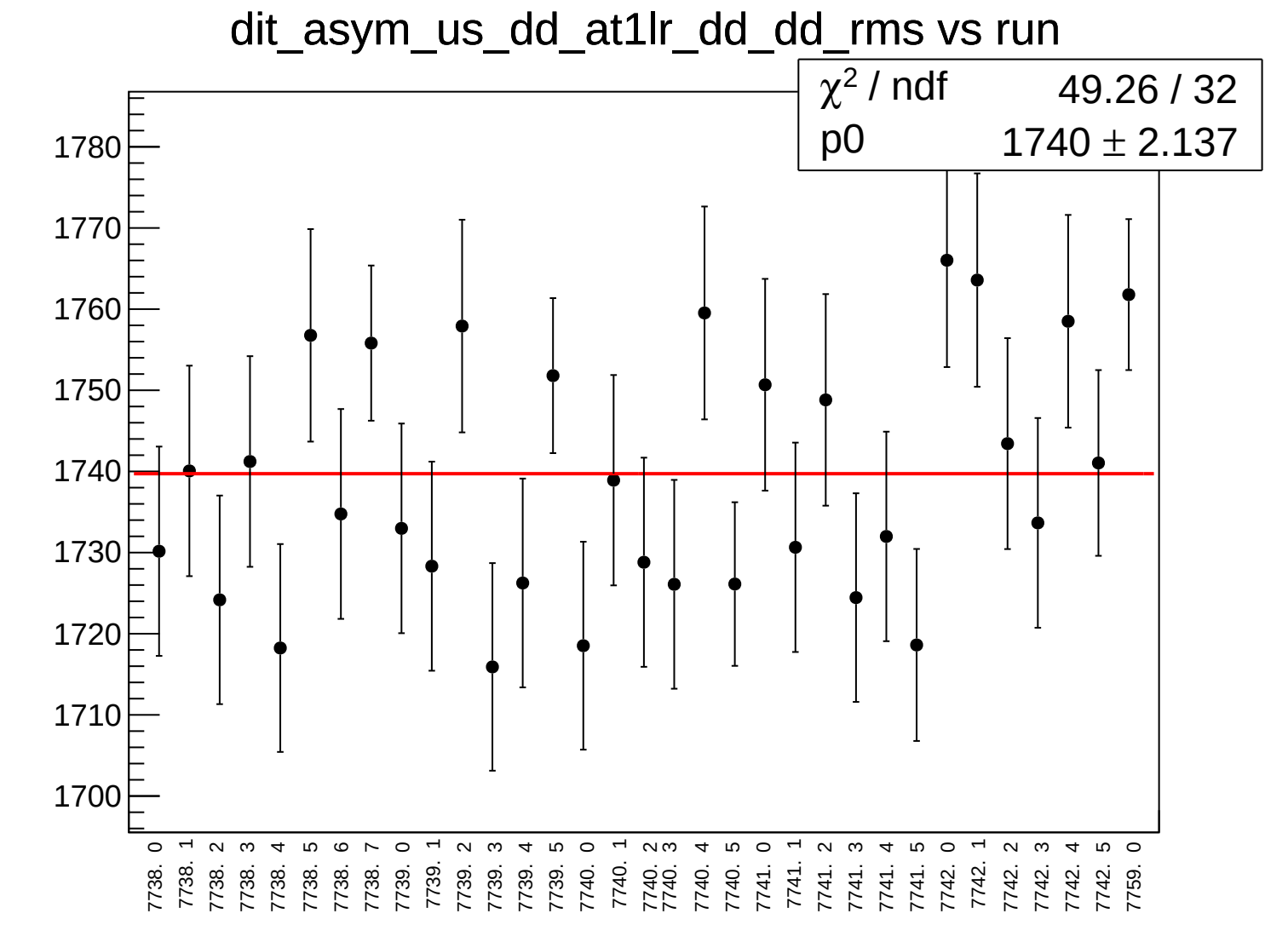
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 49.26 / 32
p0 1740 ± 2.137
1780
1770
1760
1750
1740
1730
1720
1710
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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7739. 2
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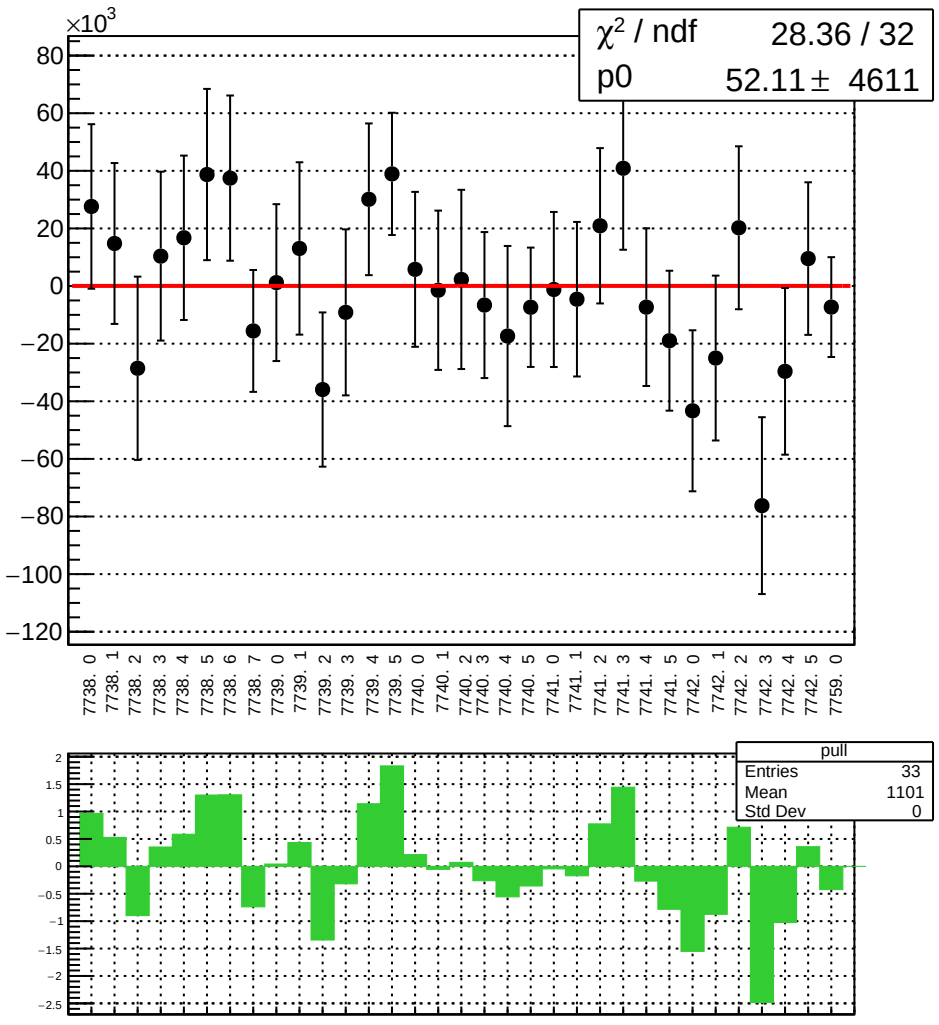
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.36 / 32
p0 52.11 ± 4611
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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7739. 5
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7740. 2
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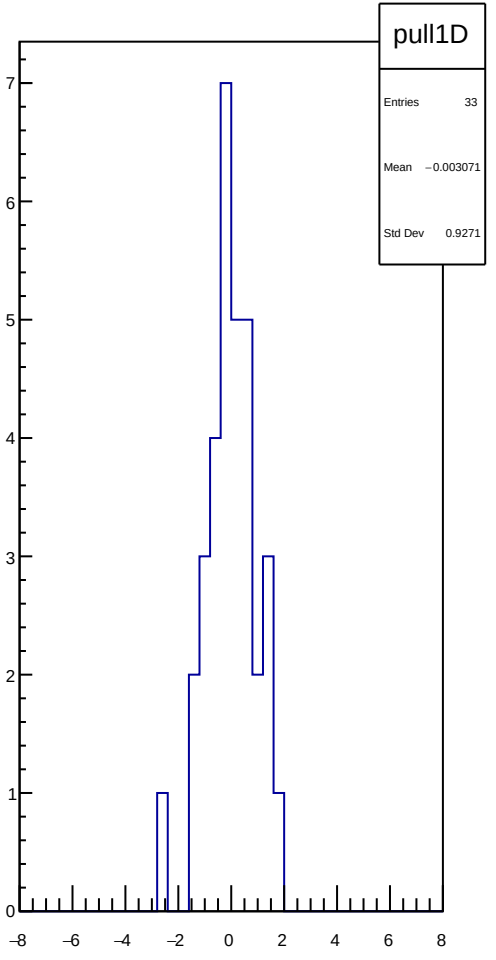
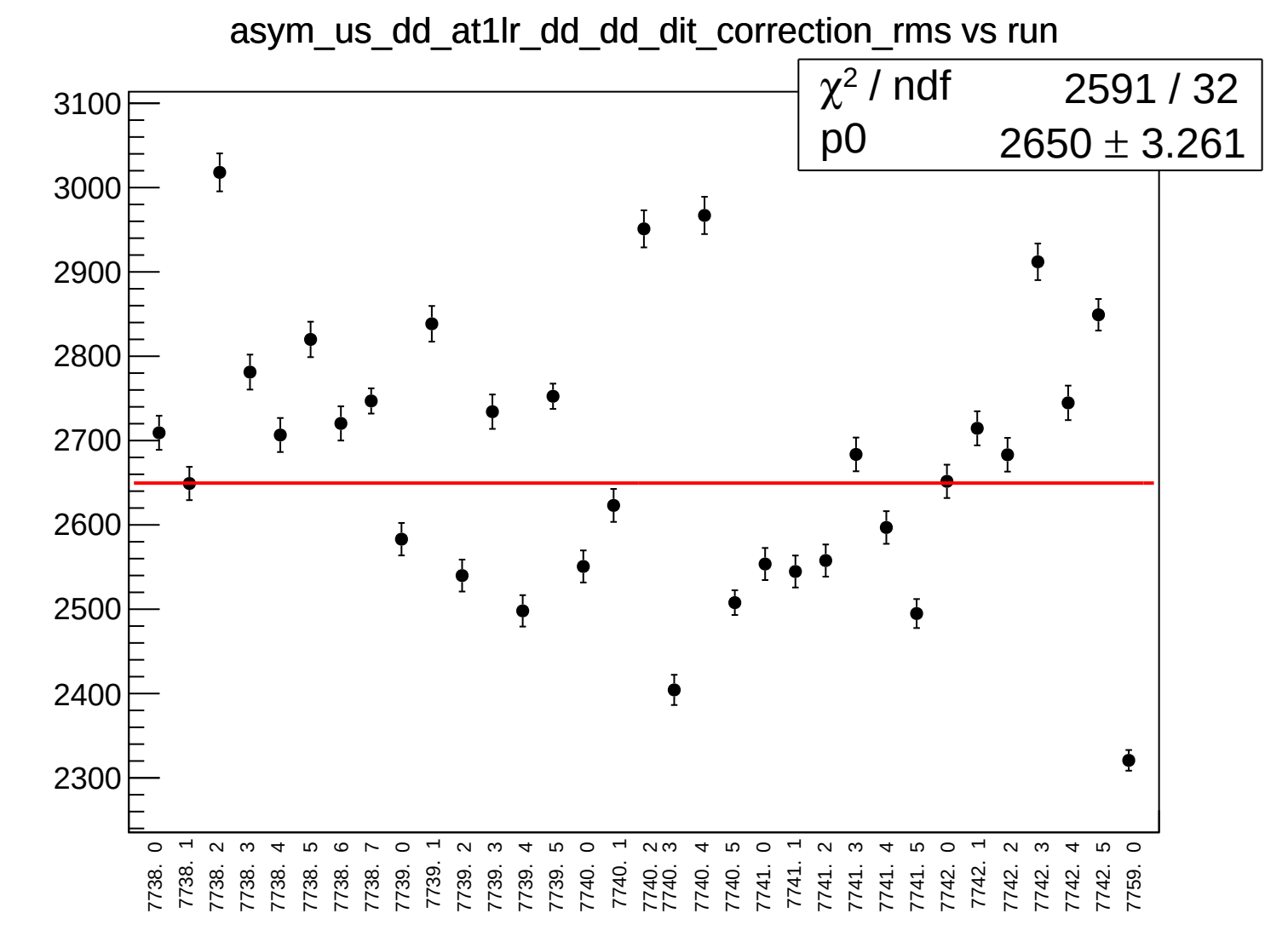
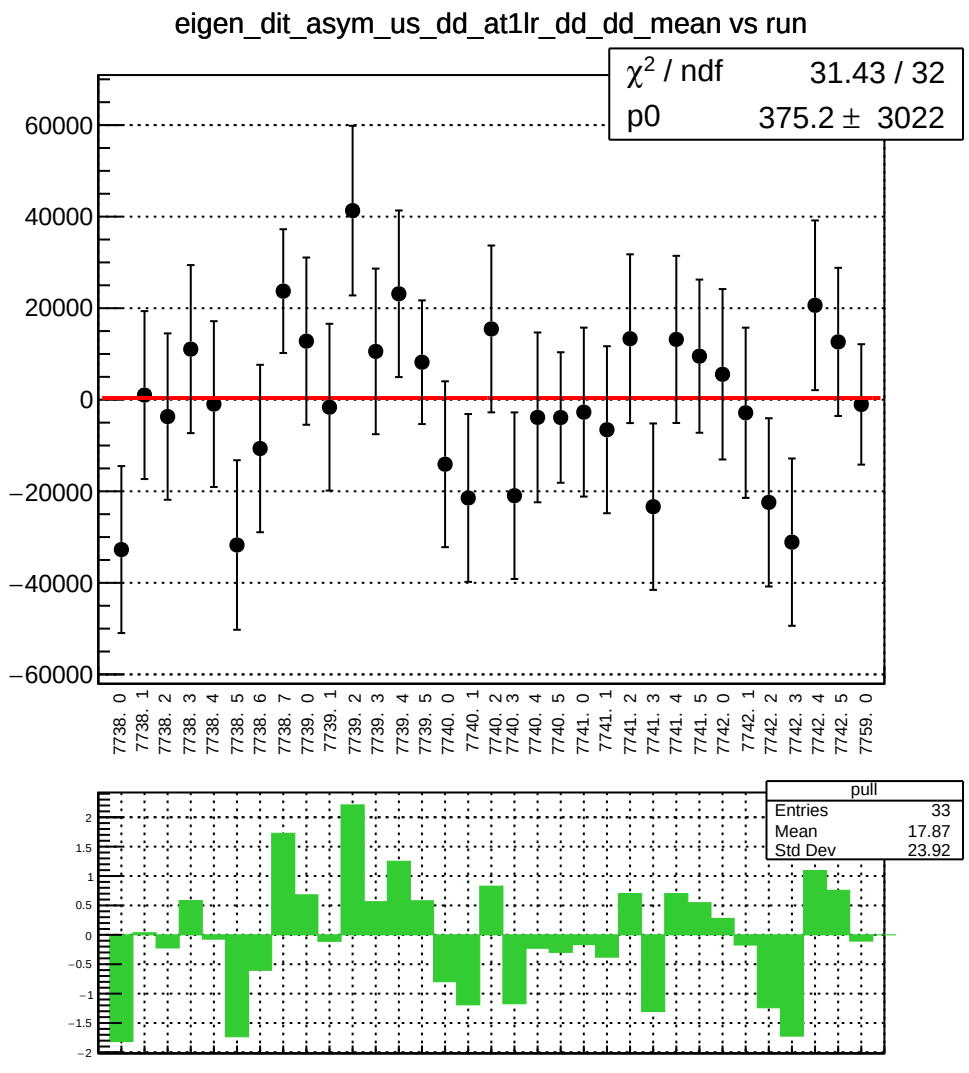
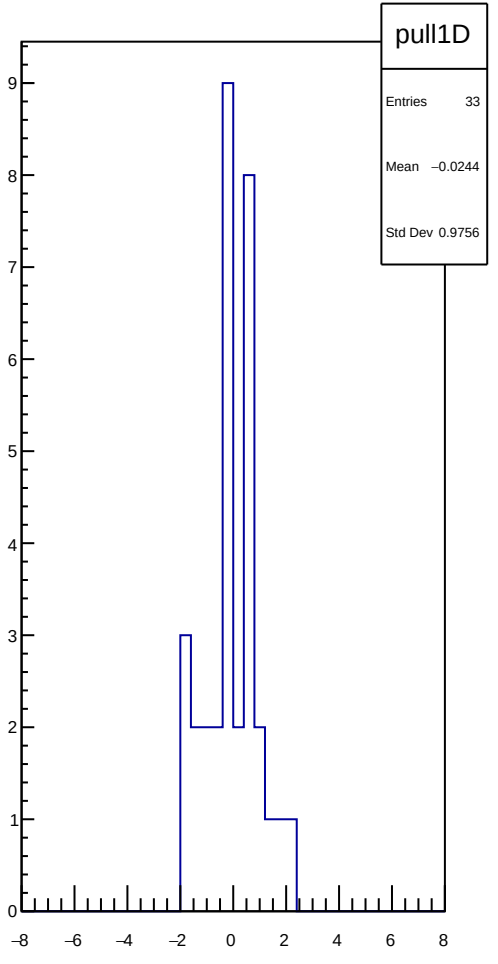
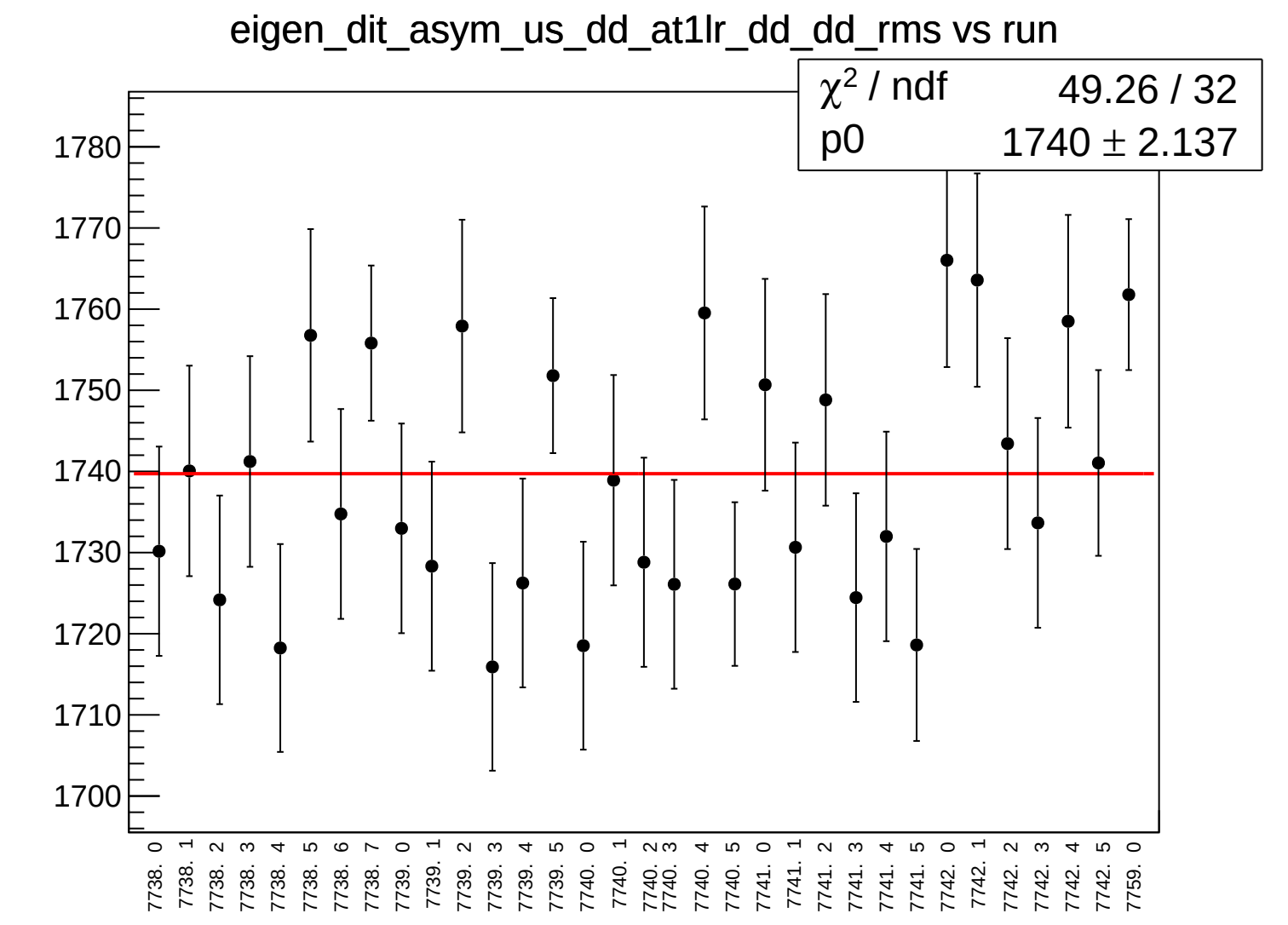
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1101
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

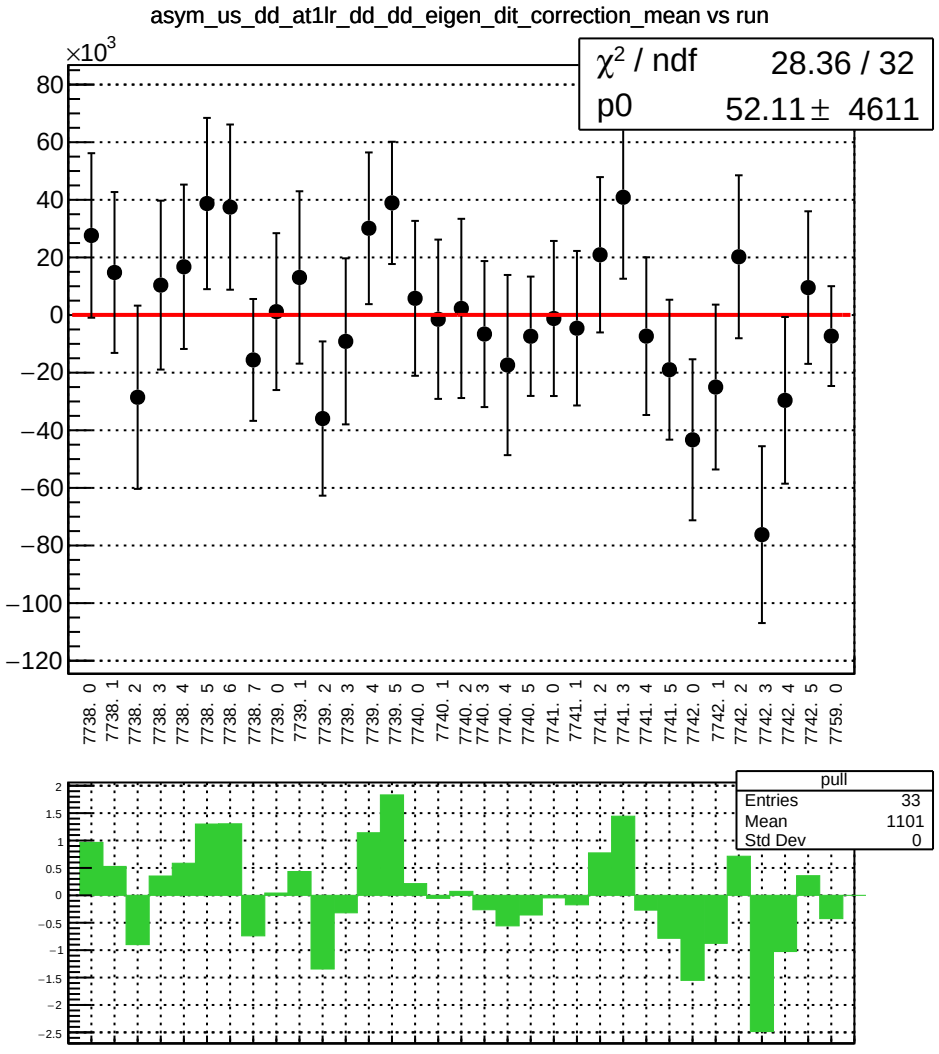

pull1D
Entries 33
Mean −0.003071
Std Dev 0.9271
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

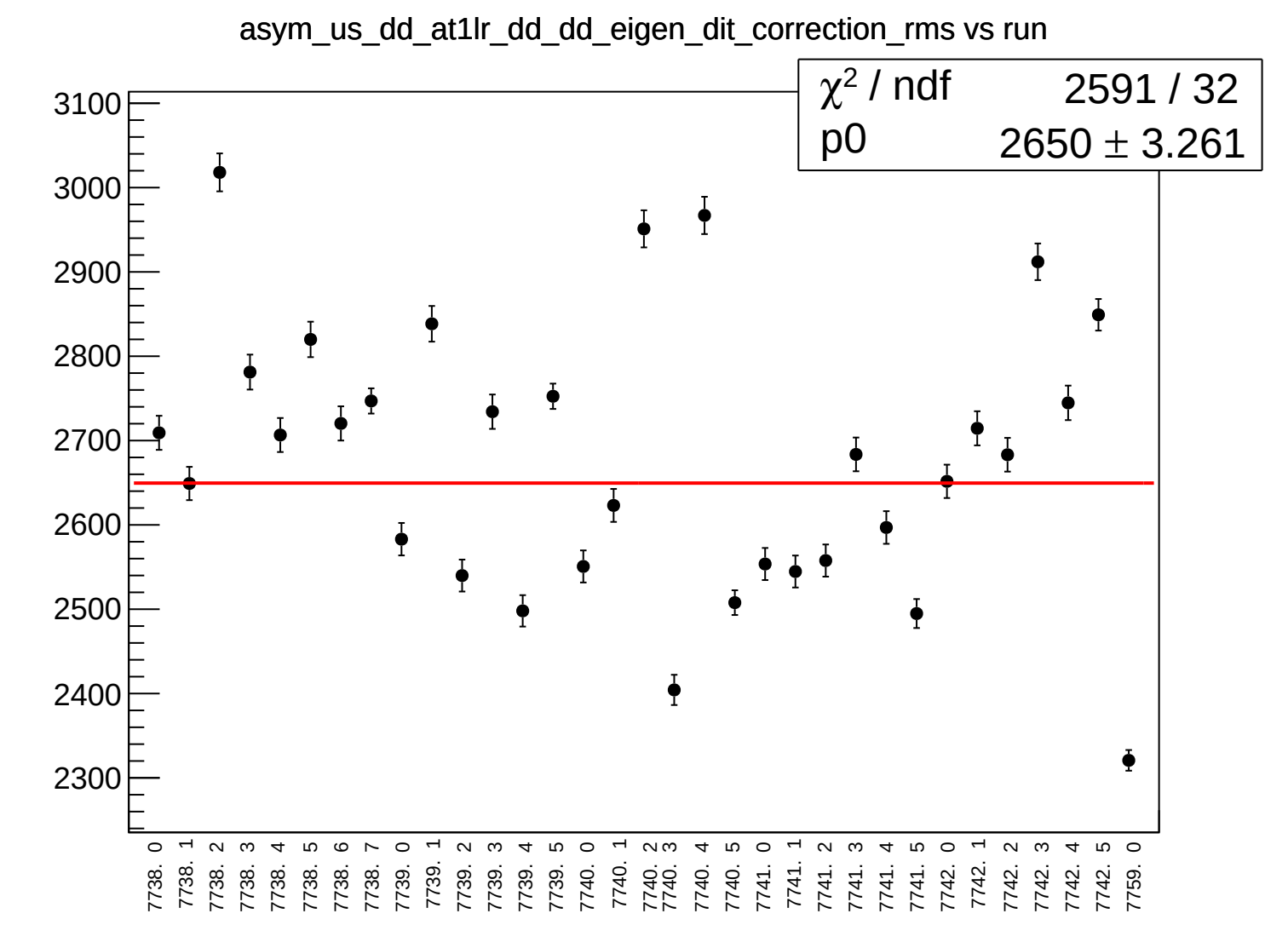

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2591 / 32
p0 2650 ± 3.261
3100
3000
2900
2800
2700
2600
2500
2400
2300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

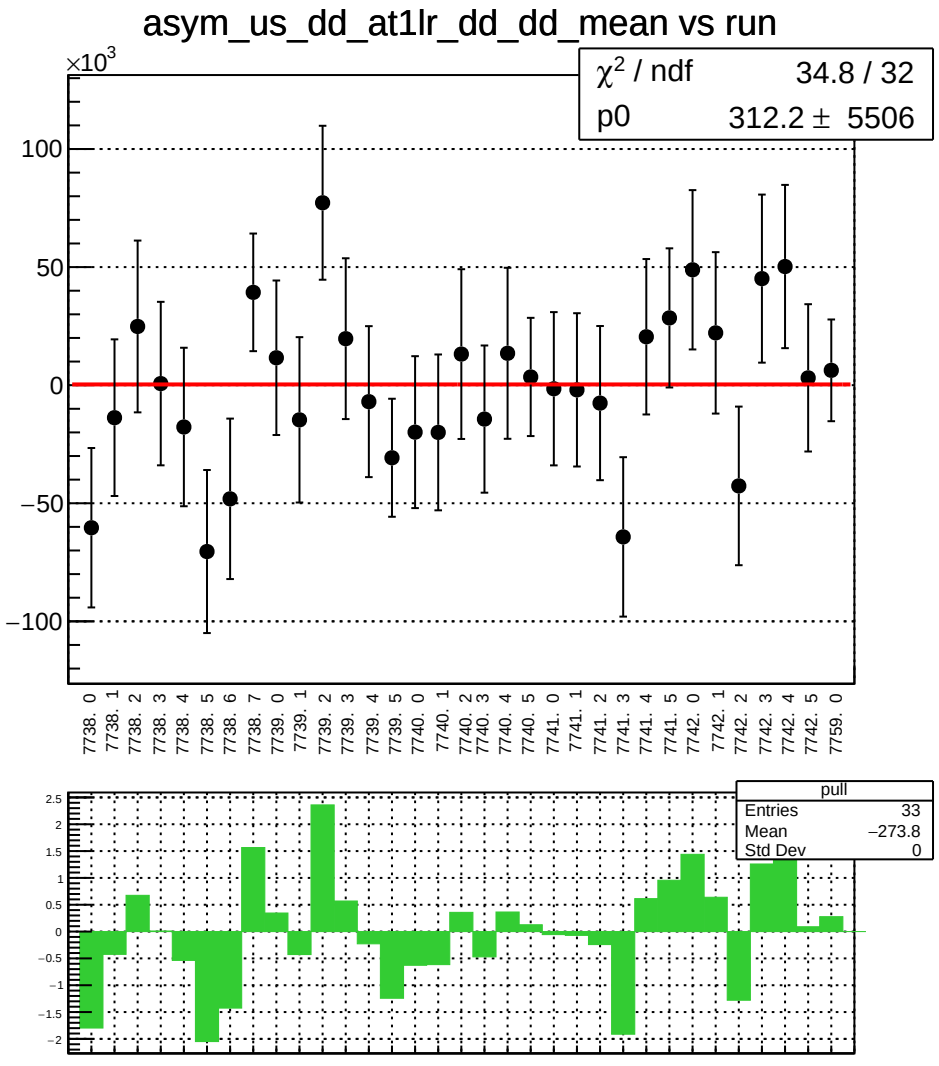

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 31.43 / 32
p0 375.2 ± 3022
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.87
Std Dev 23.92
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

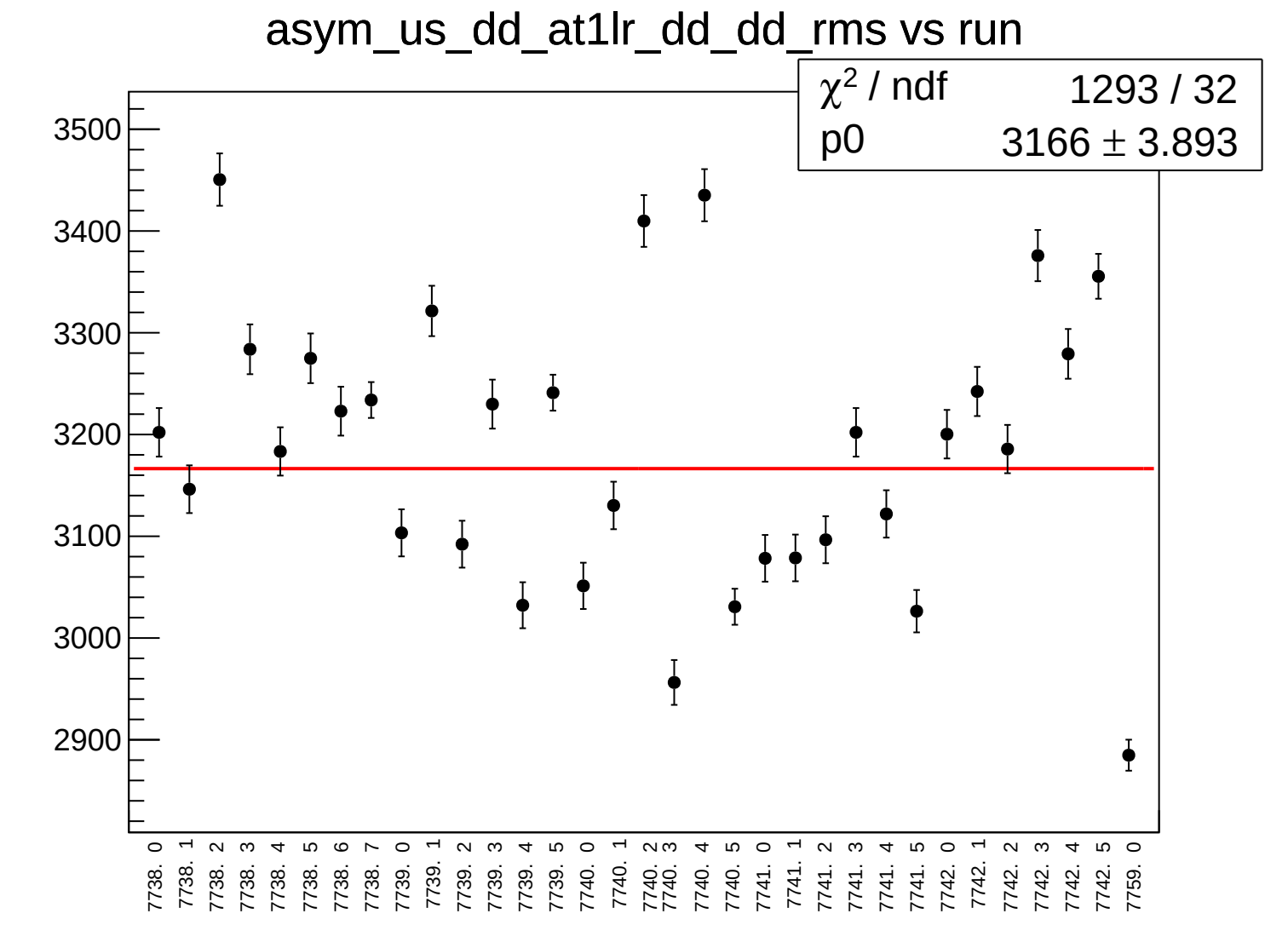

pull1D
Entries 33
Mean −0.0244
Std Dev 0.9756
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

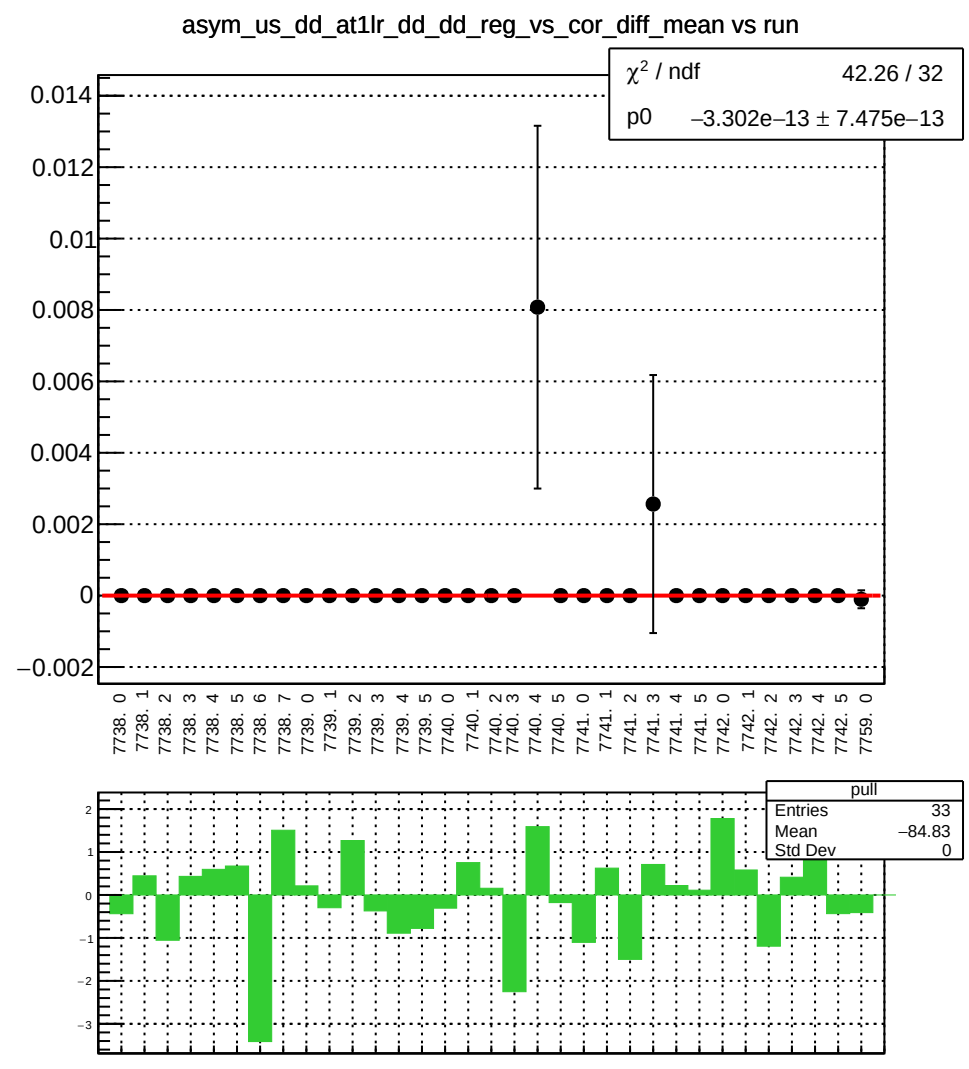

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 49.26 / 32
p0 1740 ± 2.137
1780
1770
1760
1750
1740
1730
1720
1710
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

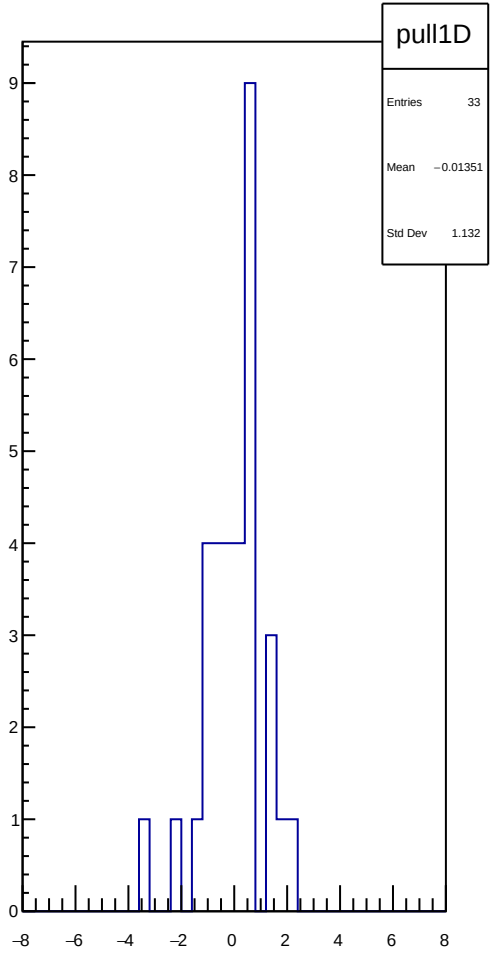

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.36 / 32
p0 52.11 ± 4611
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1101
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.003071
Std Dev 0.9271
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

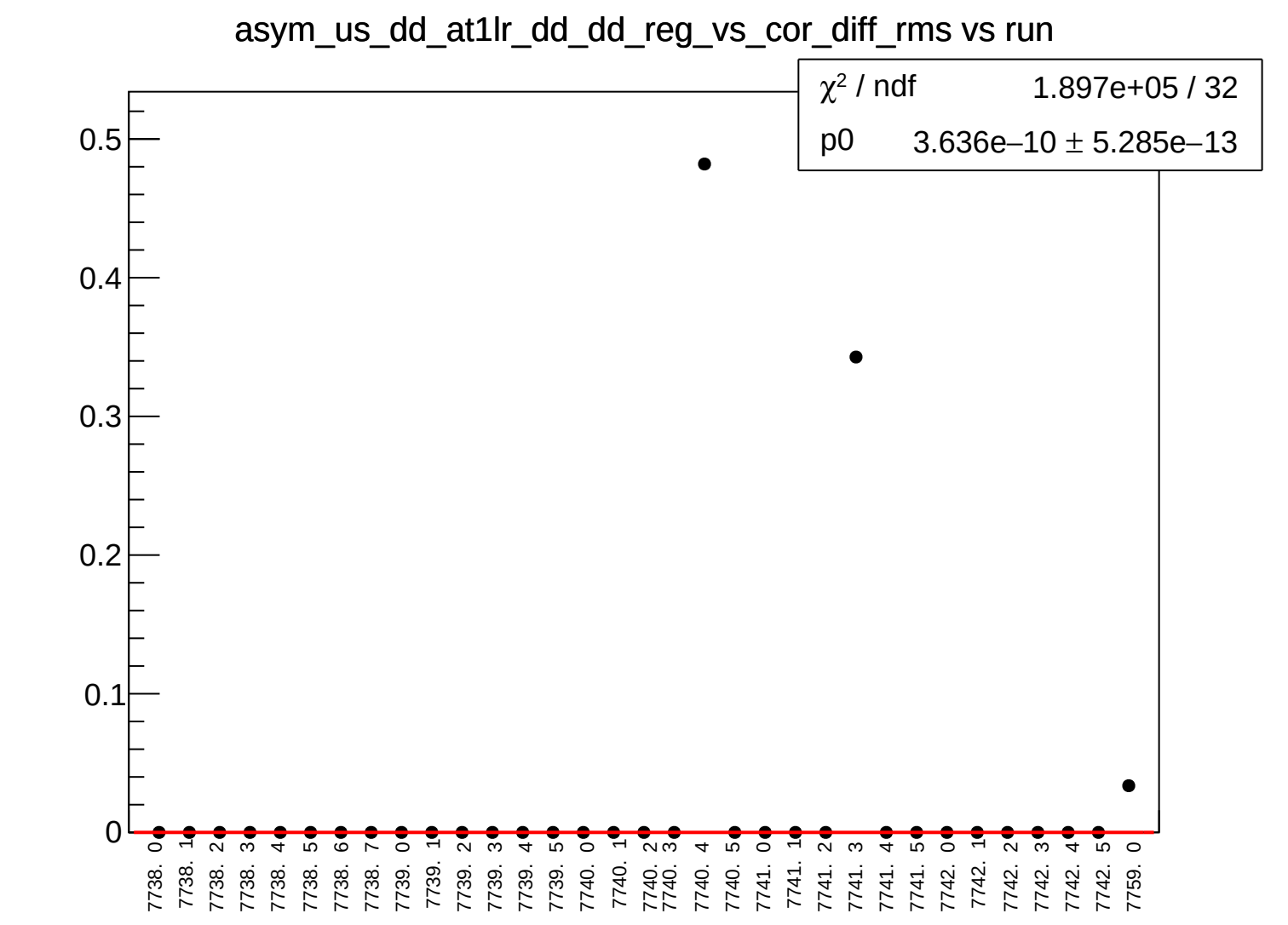

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2591 / 32
p0 2650 ± 3.261
3100
3000
2900
2800
2700
2600
2500
2400
2300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

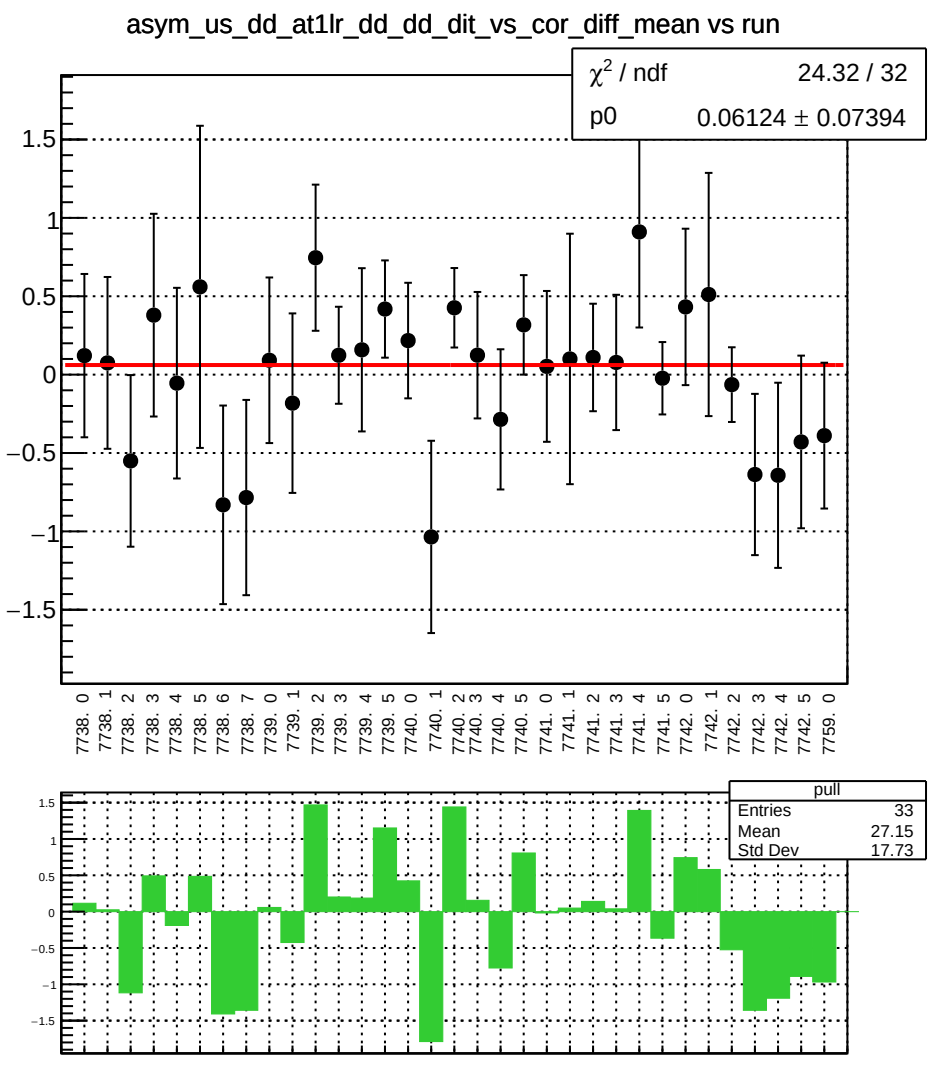

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 34.8 / 32
p0 312.2 ± 5506
×10³
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −273.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.009563
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

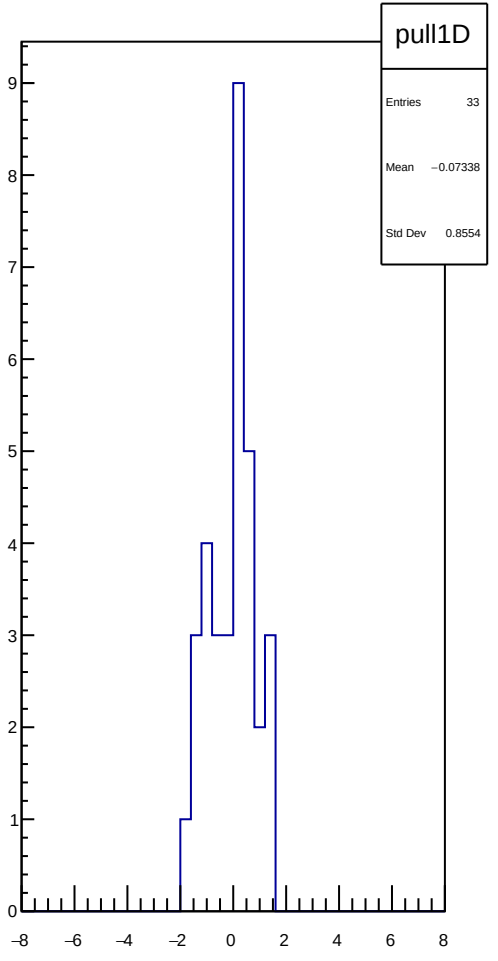

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1293 / 32
p0 3166 ± 3.893
3500
3400
3300
3200
3100
3000
2900
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

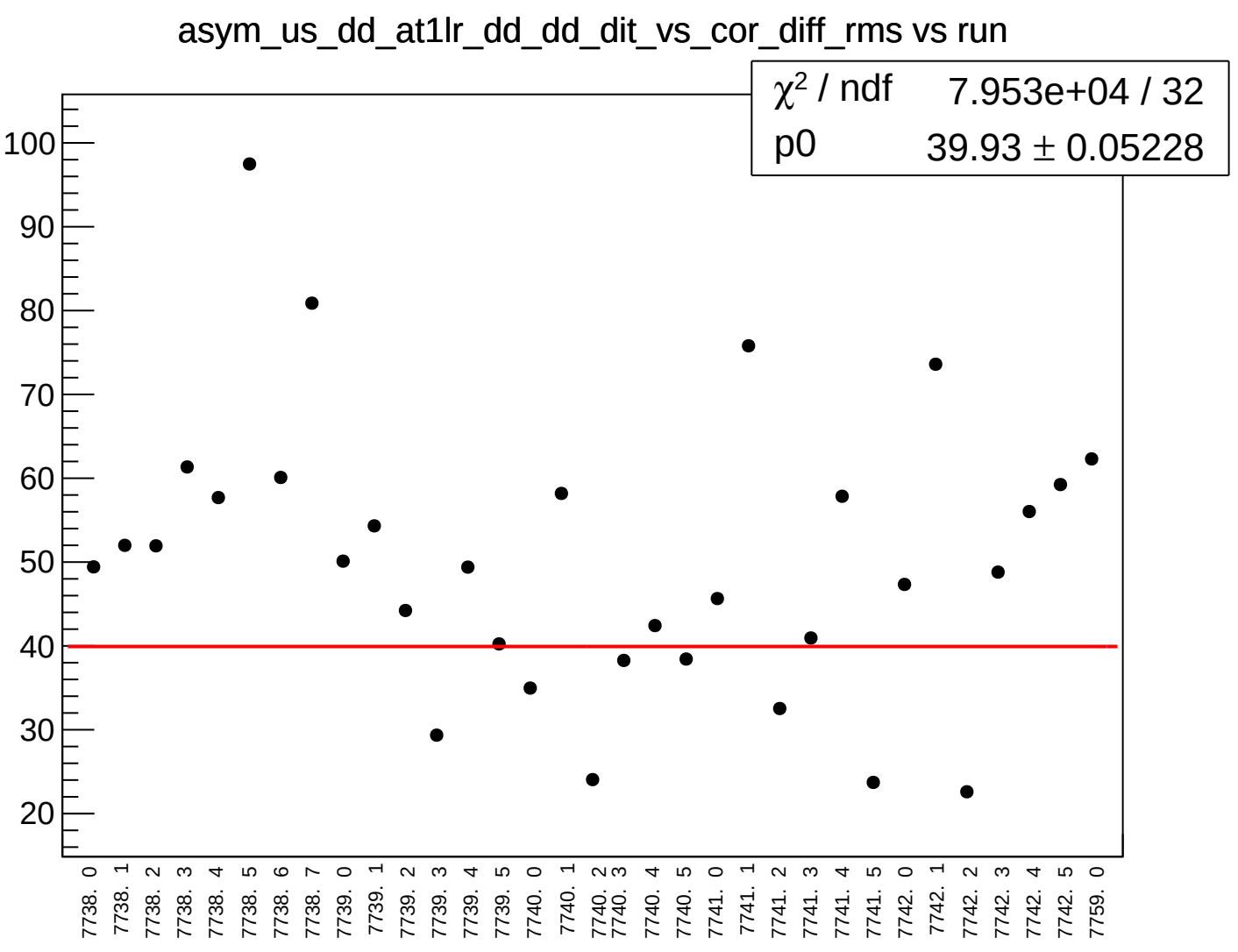

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.26 / 32
p0 −3.302e−13 ± 7.475e−13
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −84.83
Std Dev 0
2
1
0
−1
−2
−3

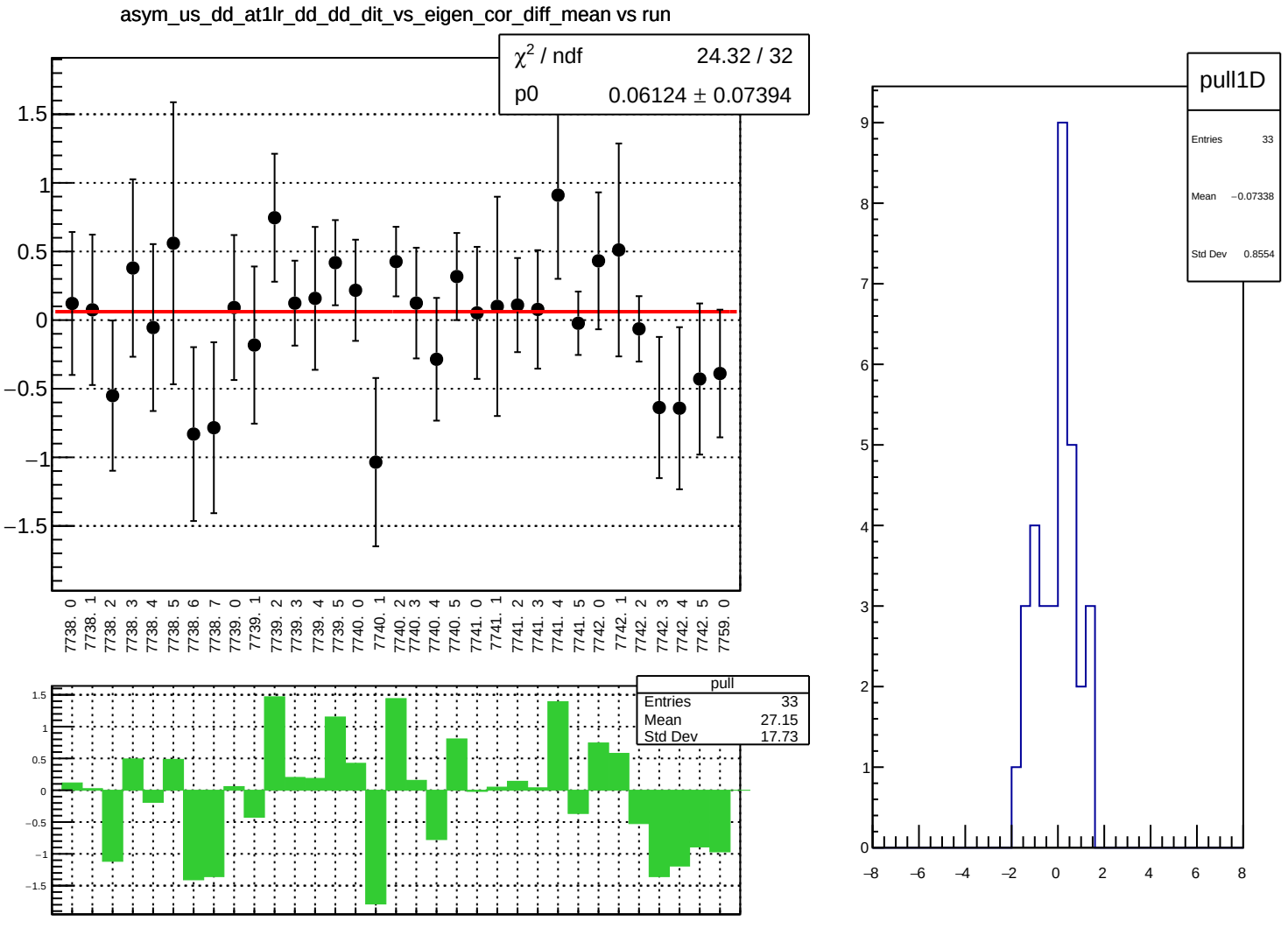

pull1D
Entries 33
Mean −0.01351
Std Dev 1.132
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

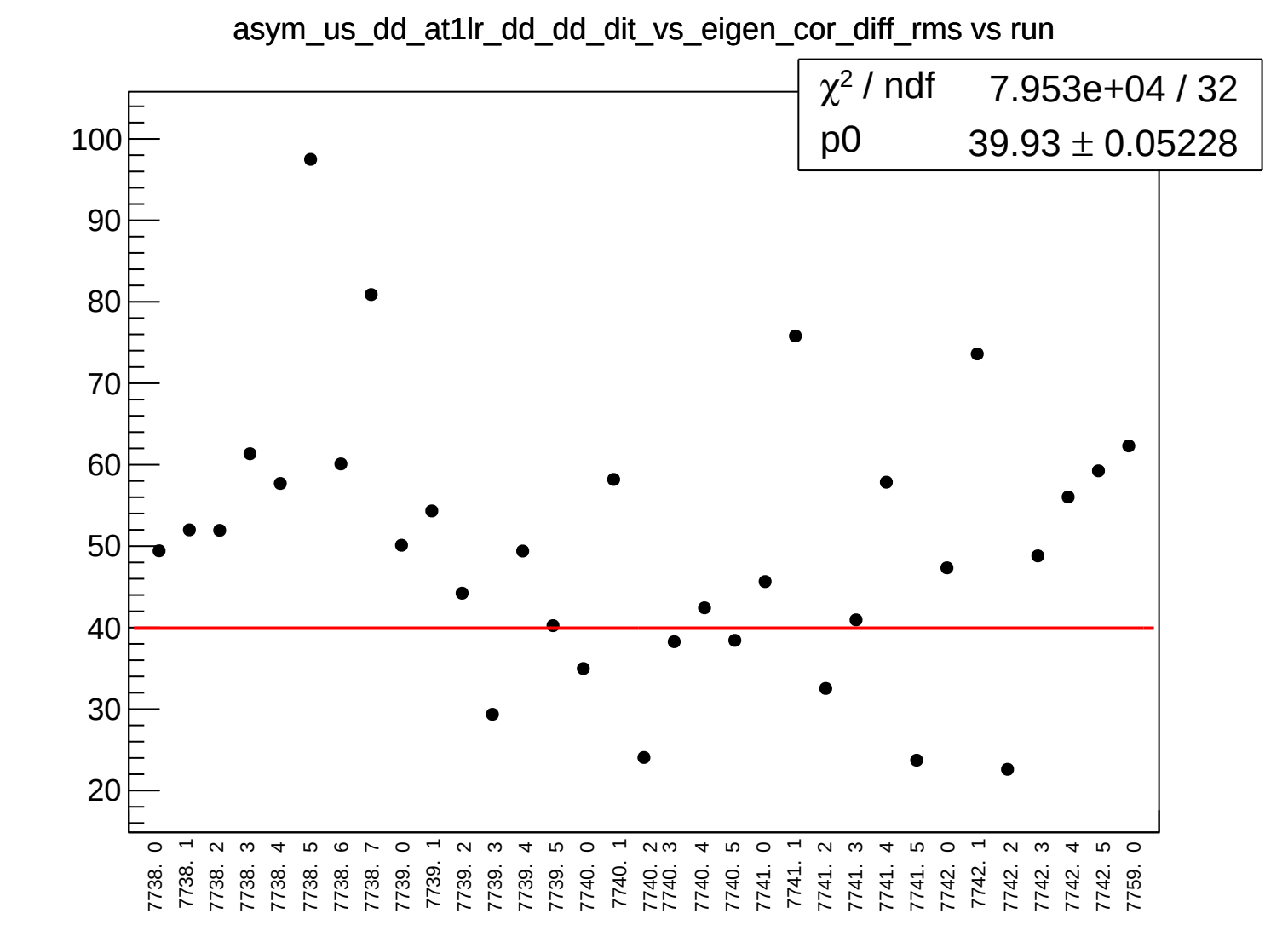

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.897e+05 / 32
p0 3.636e−10 ± 5.285e−13
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

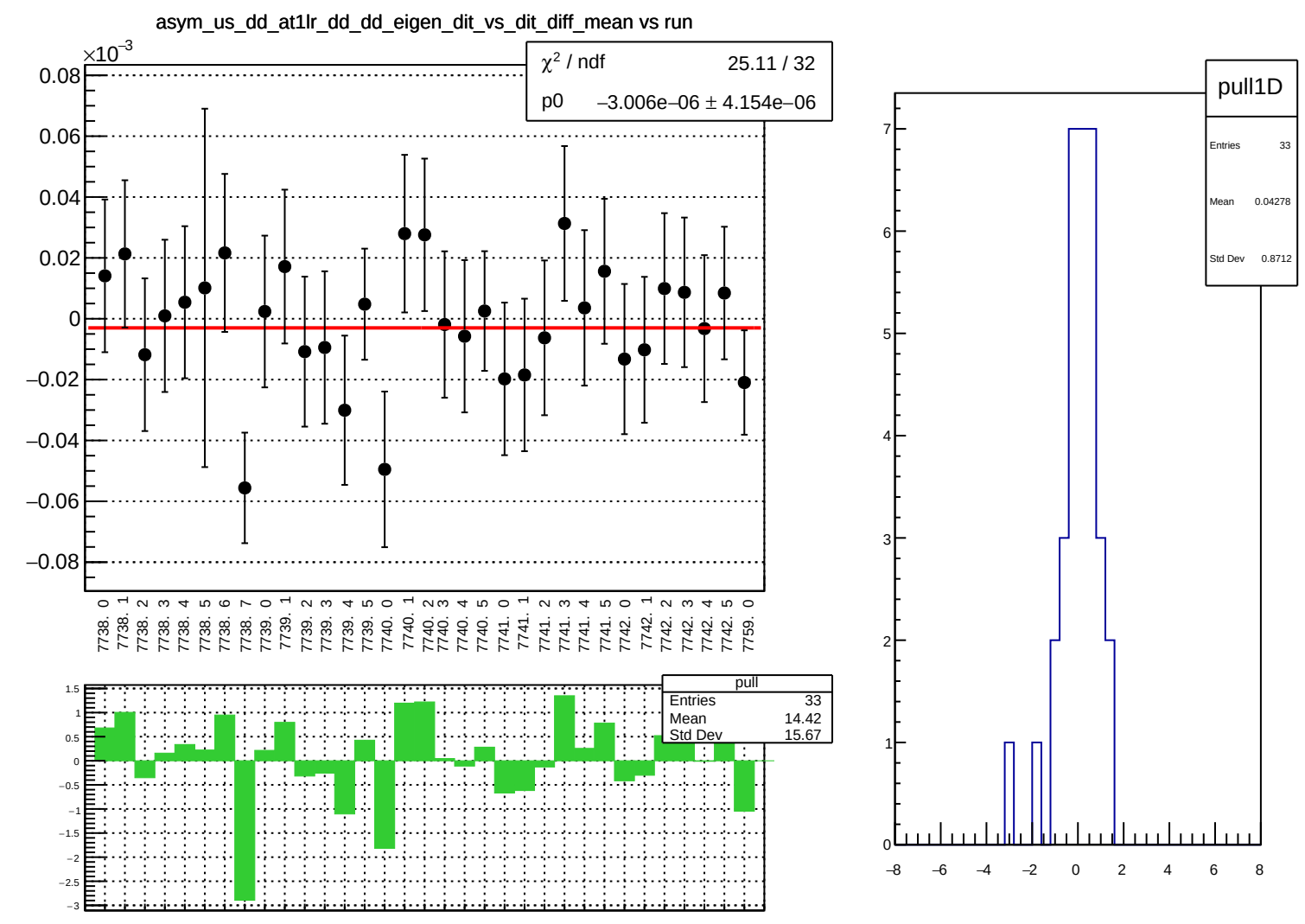

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 24.32 / 32
p0 0.06124 ± 0.07394
1.5
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.15
Std Dev 17.73

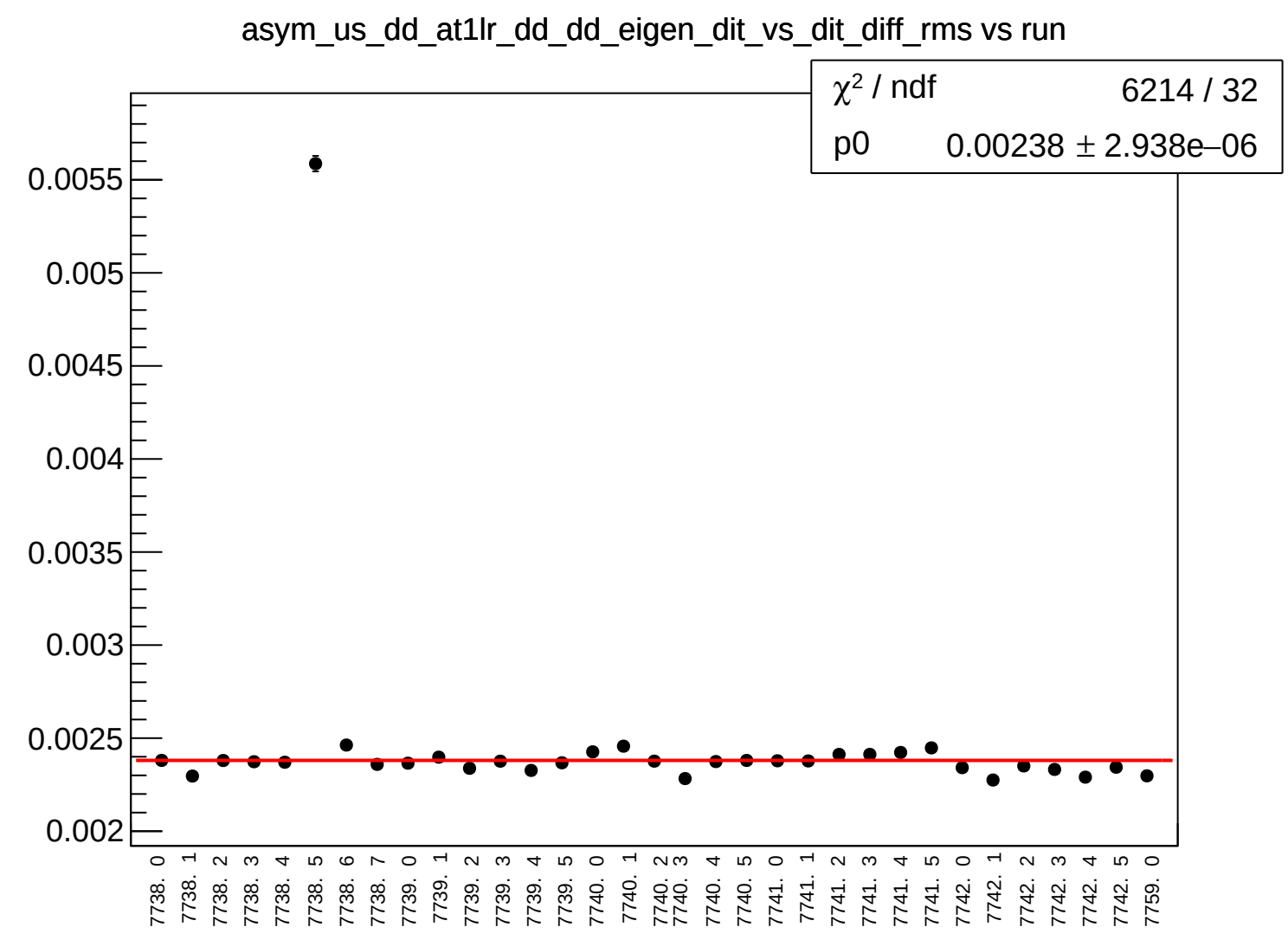

pull1D
Entries 33
Mean −0.07338
Std Dev 0.8554
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

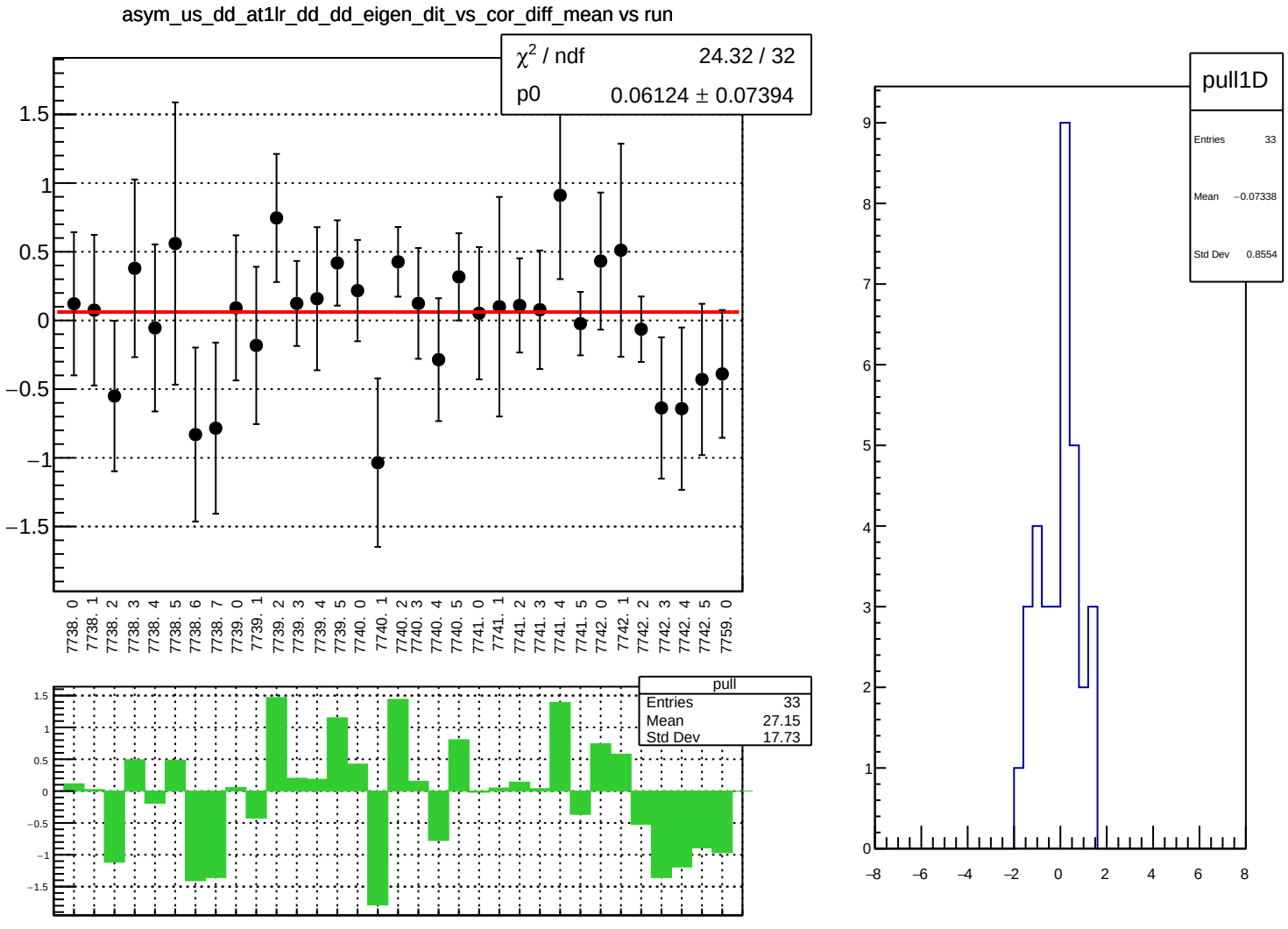

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.953e+04 / 32
p0 39.93 ± 0.05228
100
90
80
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

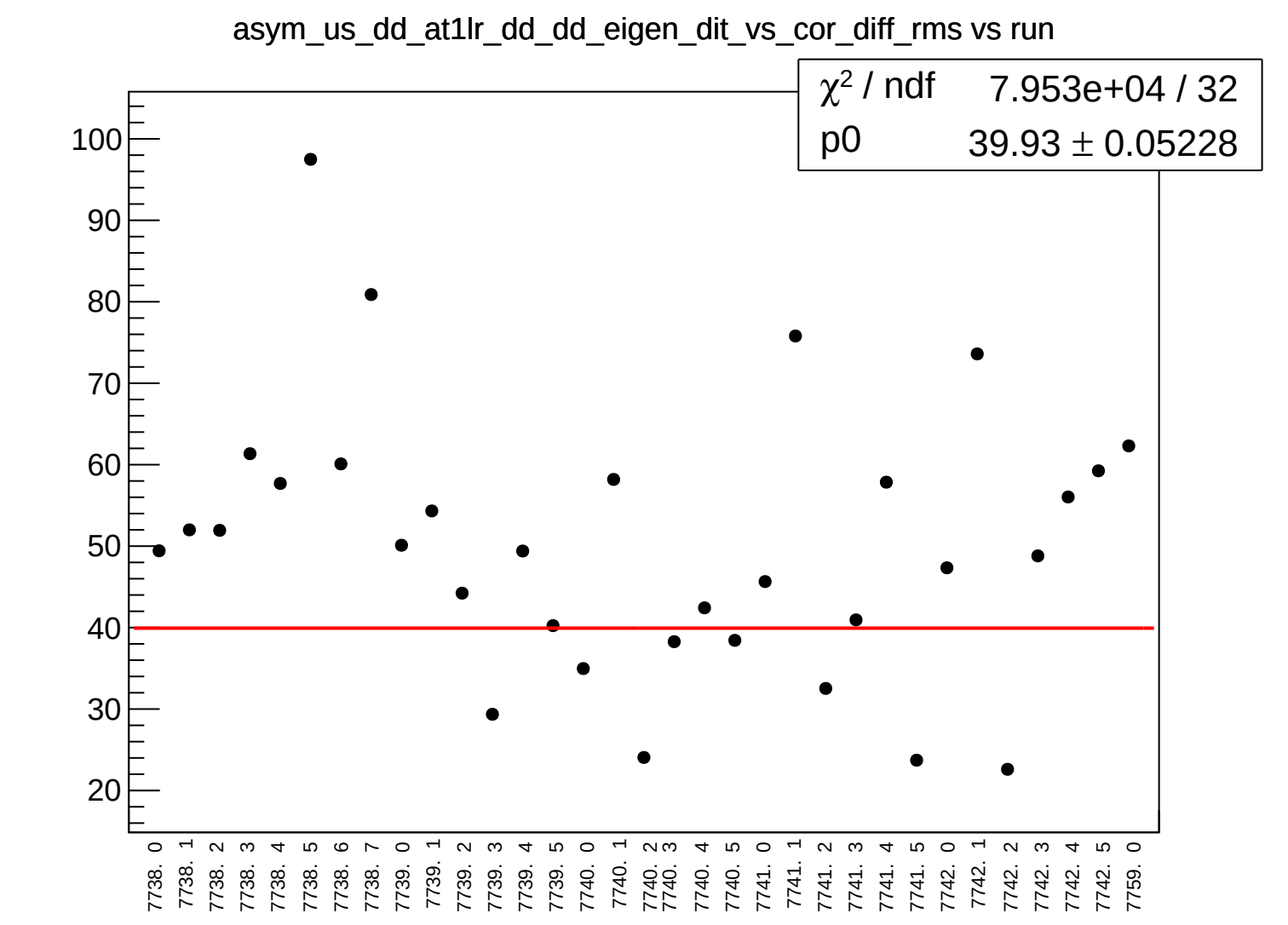

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.32 / 32
p0 0.06124 ± 0.07394
1.5
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.15
Std Dev 17.73
pull1D
Entries 33
Mean −0.07338
Std Dev 0.8554
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

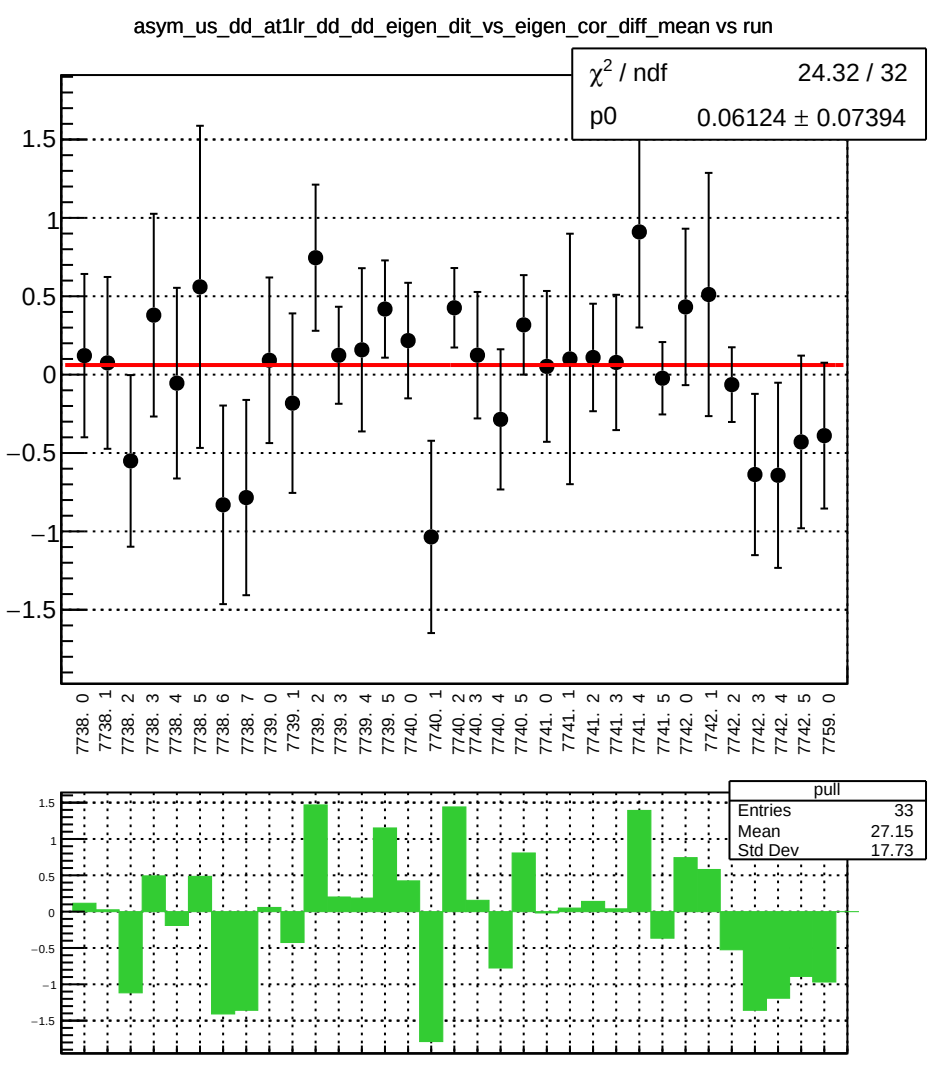

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.953e+04 / 32
p0 39.93 ± 0.05228
100
90
80
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

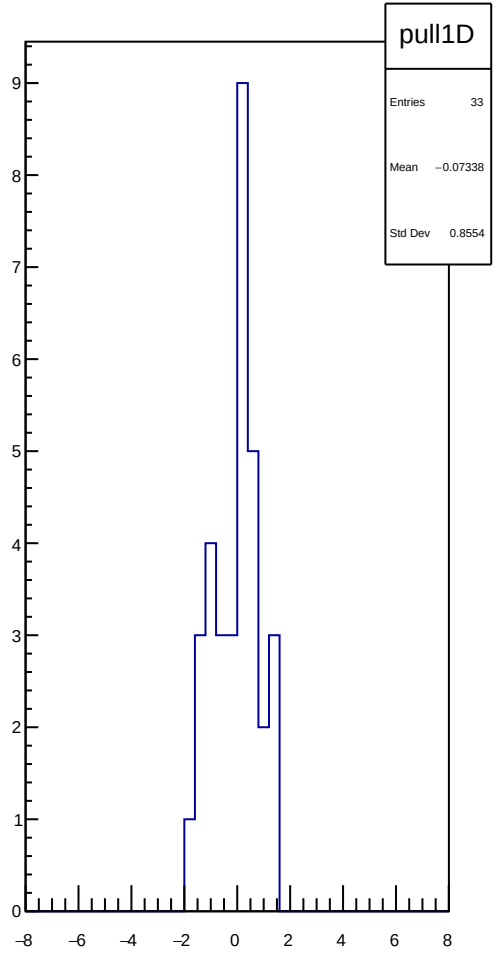

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 25.11 / 32
p0 −3.006e−06 ± 4.154e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.42
Std Dev 15.67
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 33
Mean 0.04278
Std Dev 0.8712
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

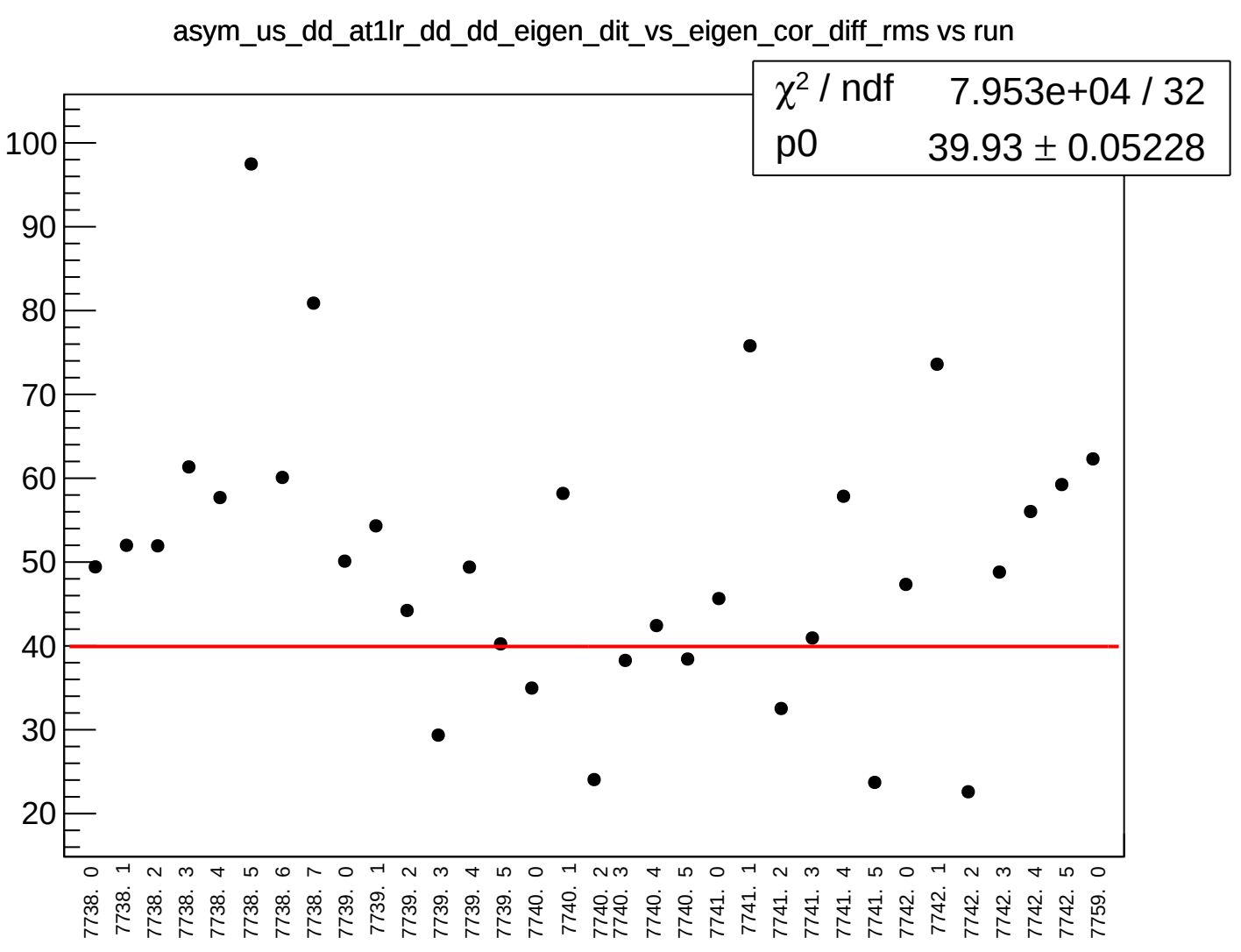

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6214 / 32
p0 0.00238 ± 2.938e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

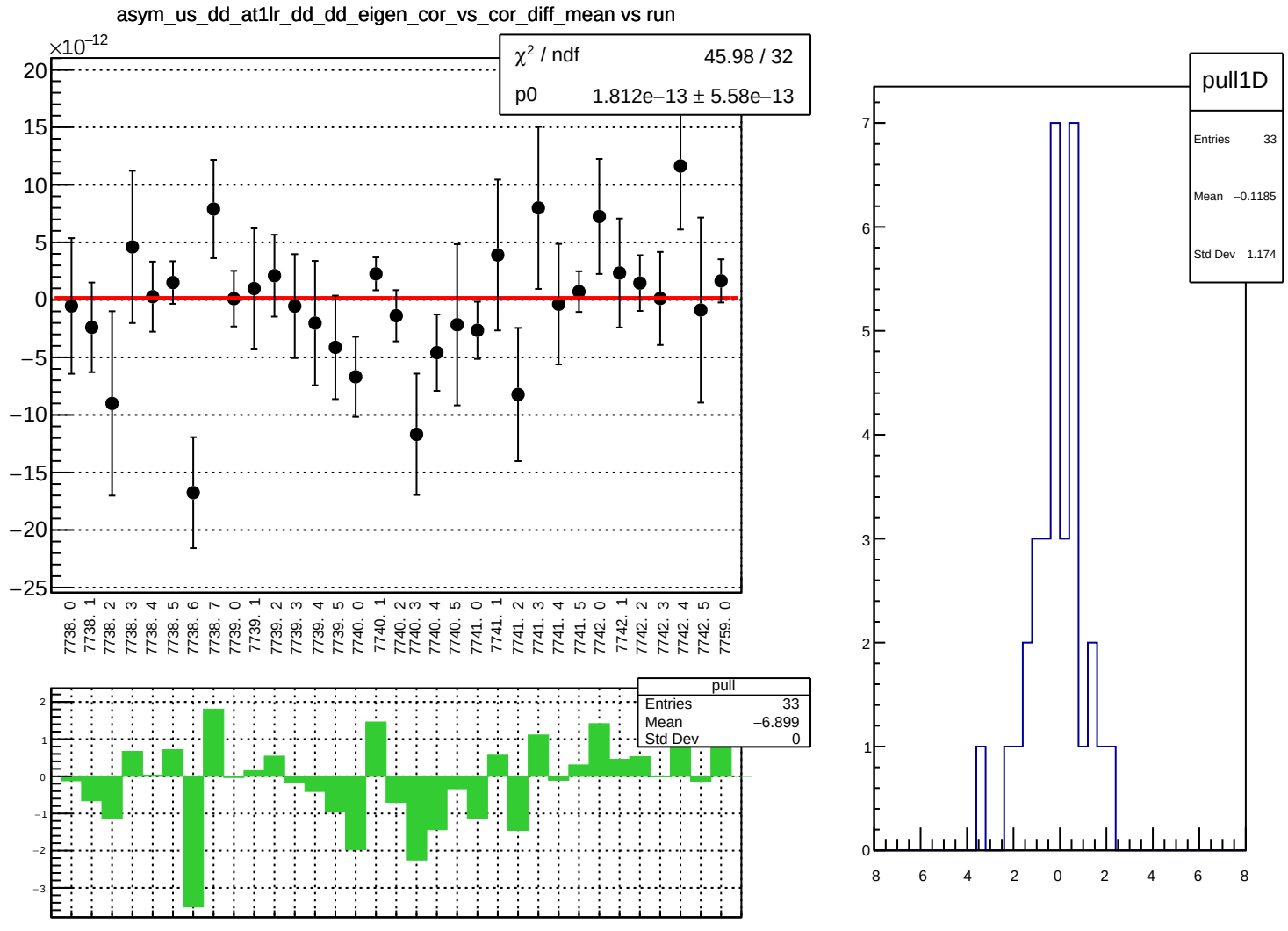

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 24.32 / 32
p0 0.06124 ± 0.07394
1.5
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.15
Std Dev 17.73
pull1D
Entries 33
Mean −0.07338
Std Dev 0.8554
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

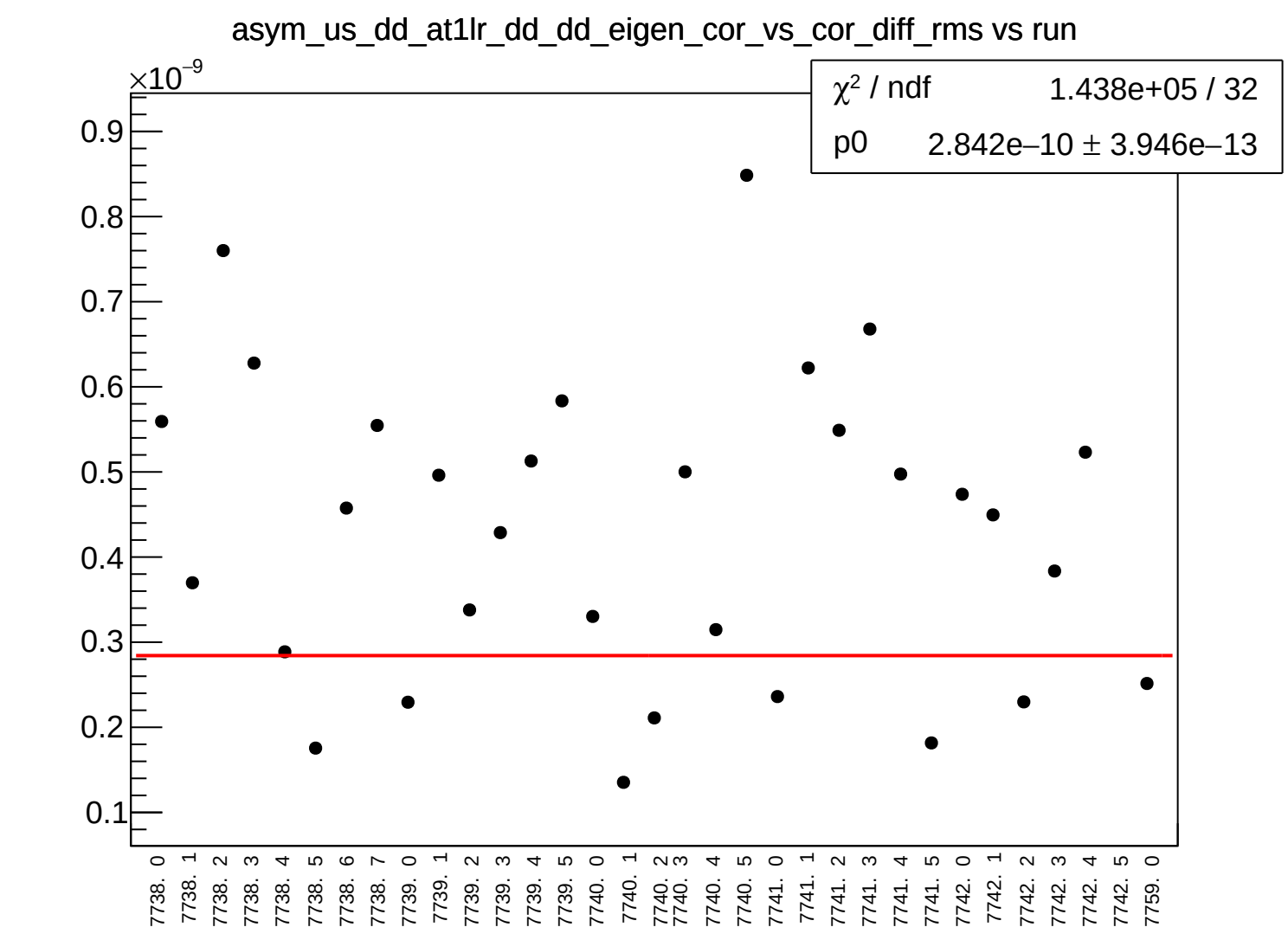

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.953e+04 / 32
p0 39.93 ± 0.05228
100
90
80
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

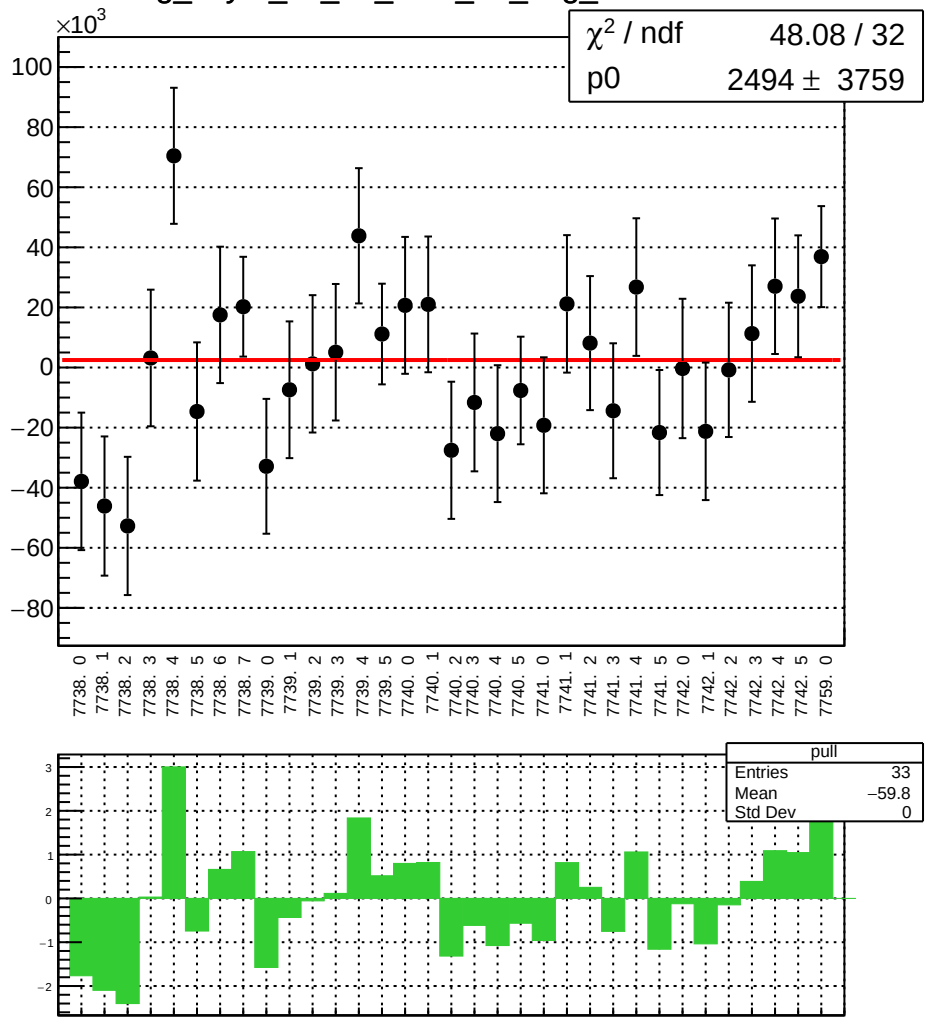

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.32 / 32
p0 0.06124 ± 0.07394
1.5
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.15
Std Dev 17.73

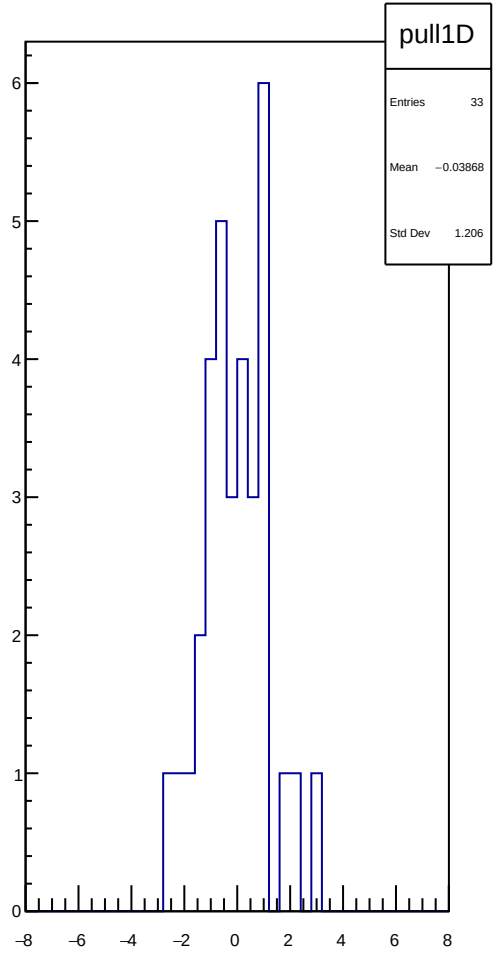

pull1D
Entries 33
Mean −0.07338
Std Dev 0.8554
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

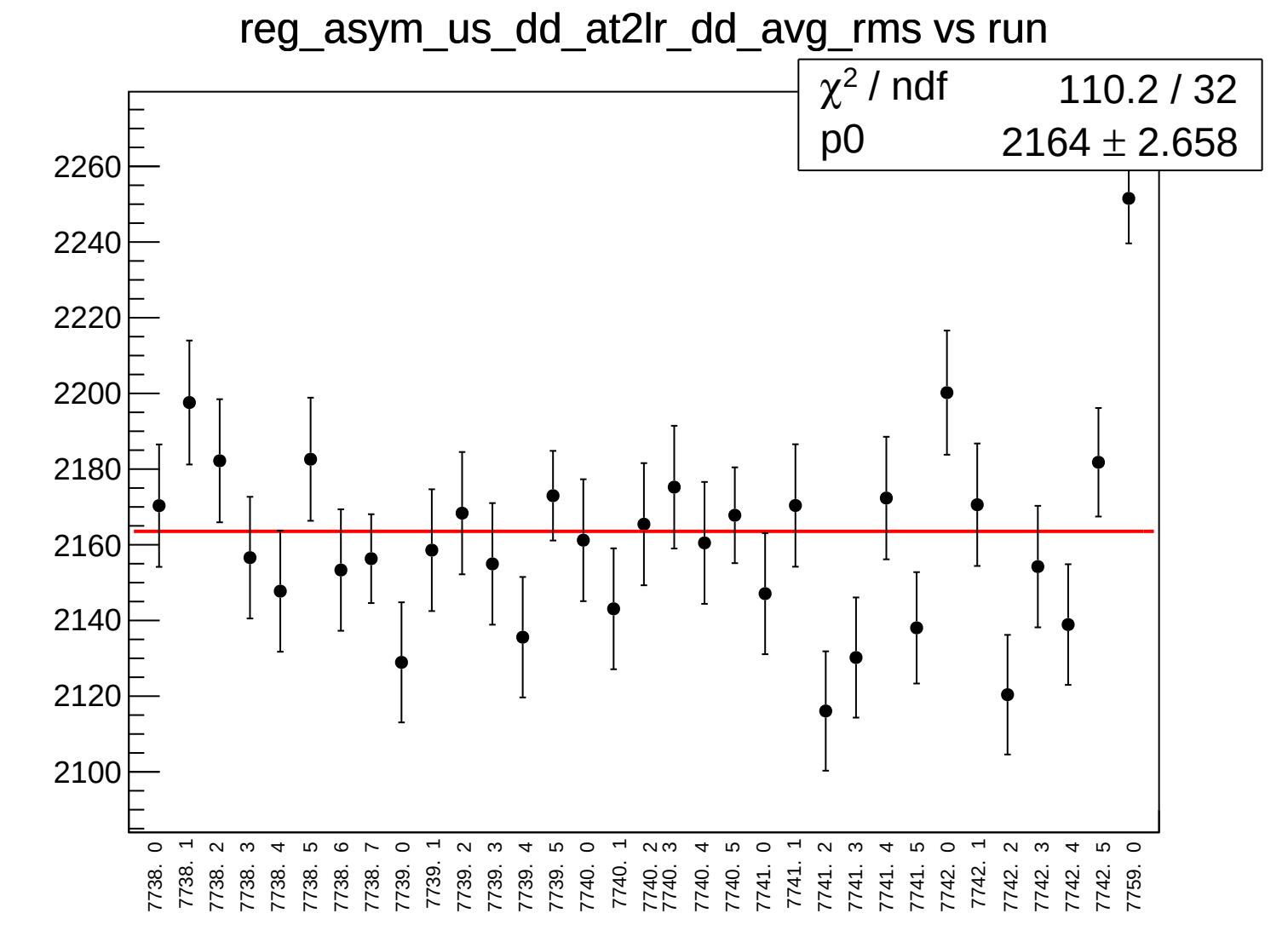

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.953e+04 / 32
p0 39.93 ± 0.05228
100
90
80
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

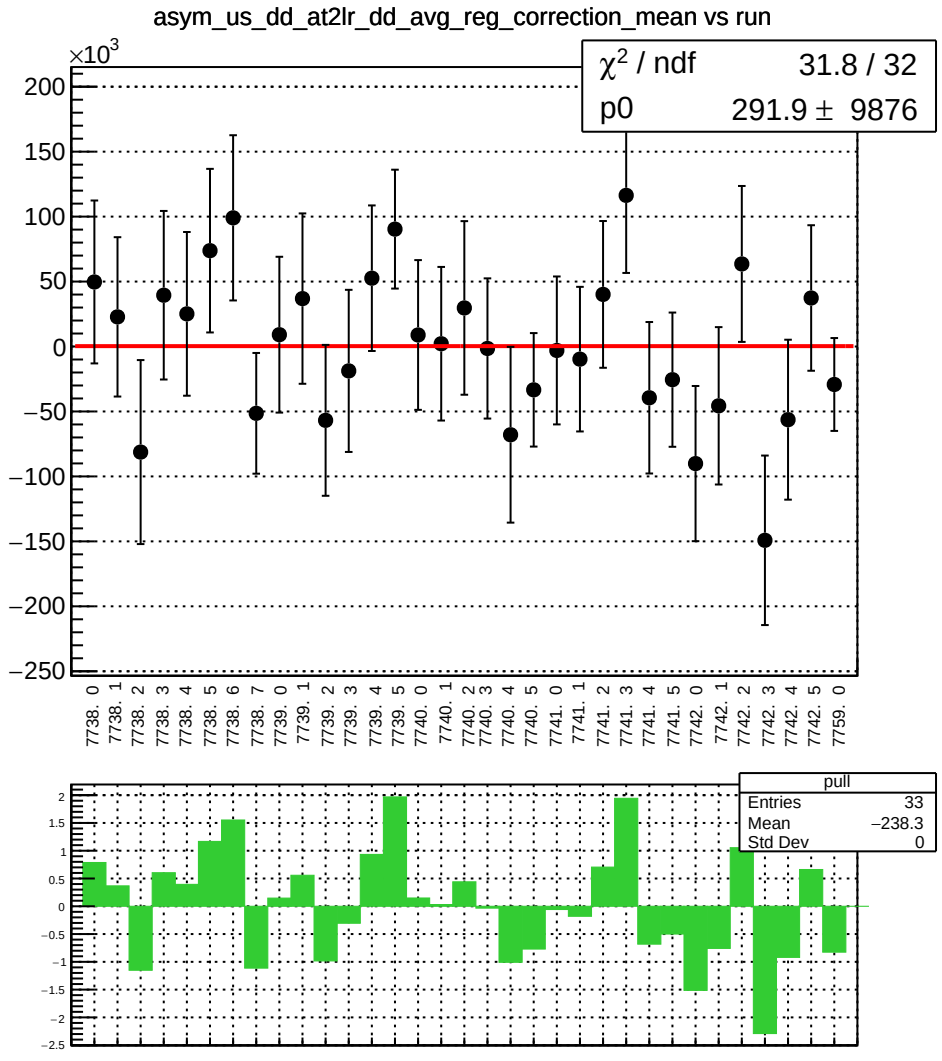

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.98 / 32
p0 1.812e−13 ± 5.58e−13
pull
Entries 33
Mean −6.899
Std Dev 0
pull1D
Entries 33
Mean −0.1185
Std Dev 1.174

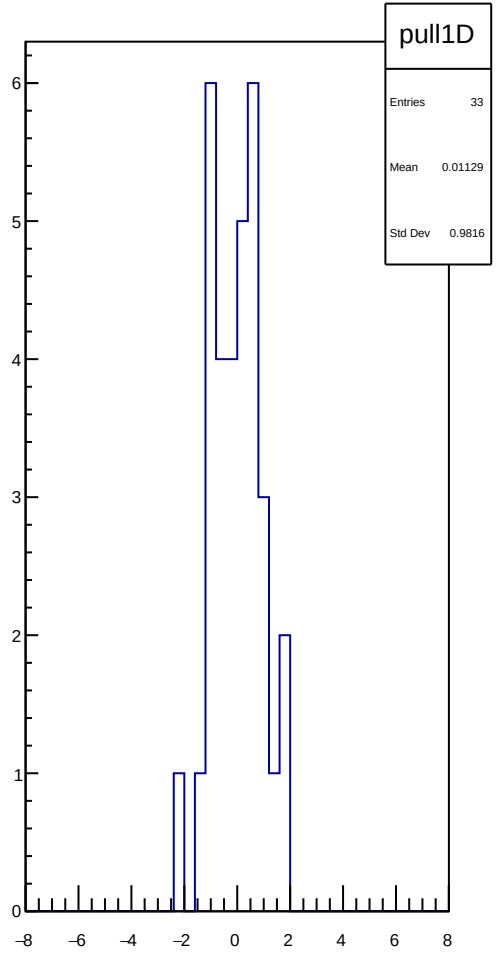

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.438e+05 / 32
p0 2.842e−10 ± 3.946e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

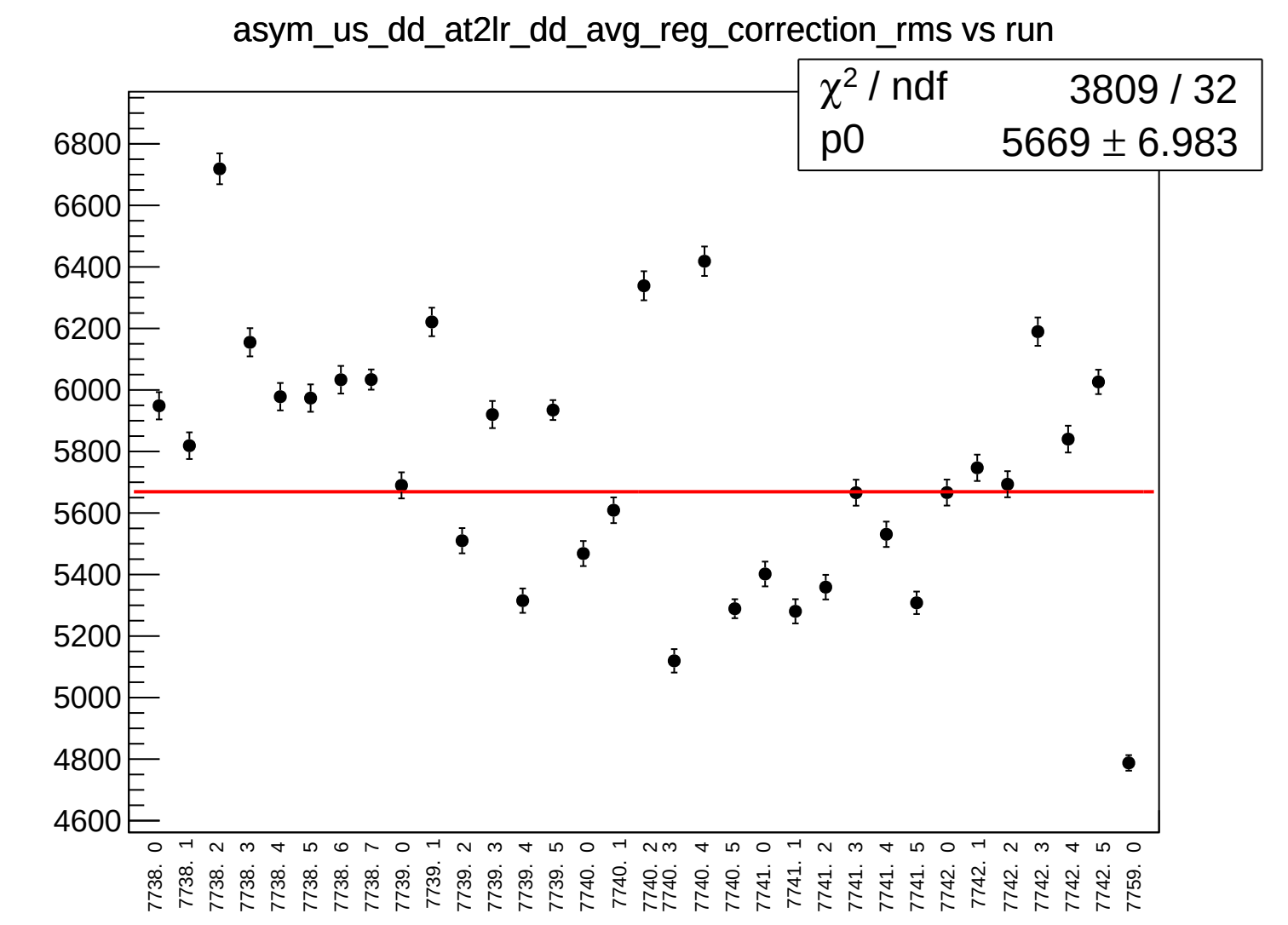

reg_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 48.08 / 32
p0 2494 ± 3759
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.8
Std Dev 0
3
2
1
0
−1
−2

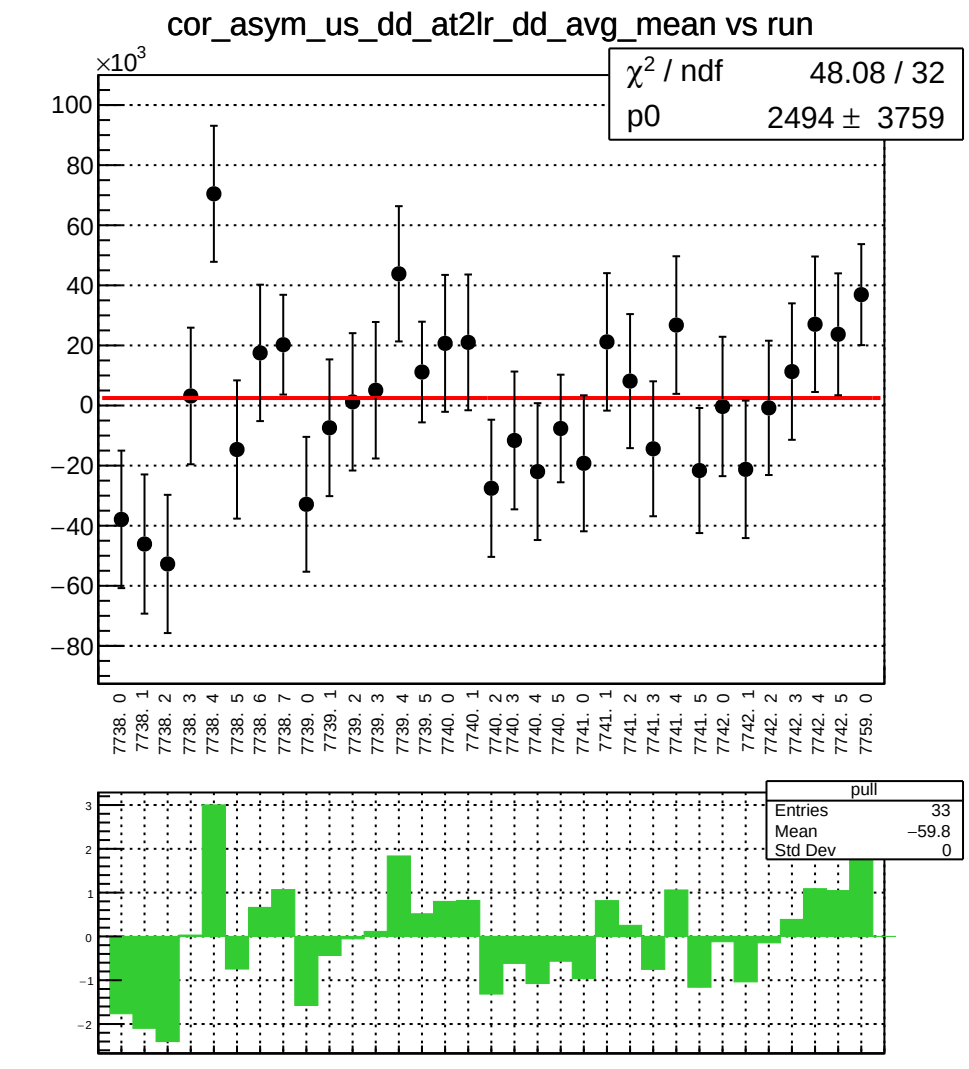

pull1D
Entries 33
Mean −0.03868
Std Dev 1.206
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

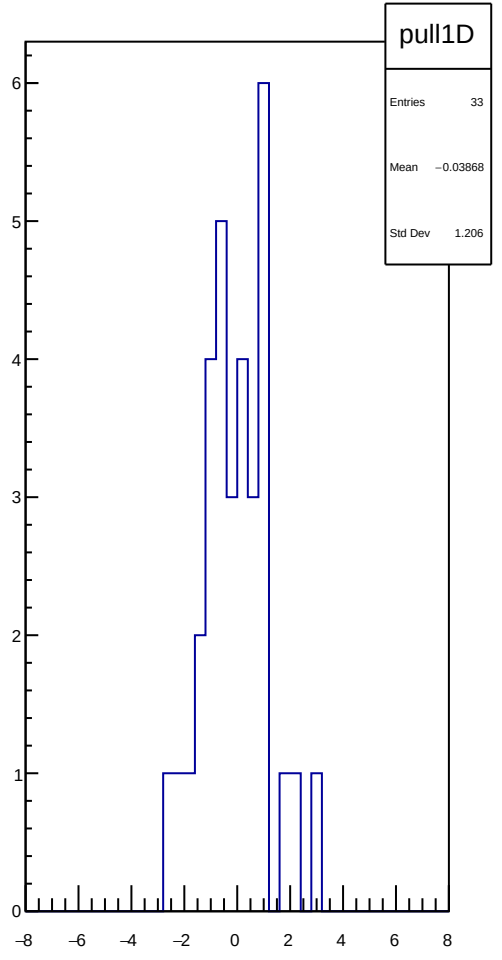

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 110.2 / 32
p0 2164 ± 2.658
2260
2240
2220
2200
2180
2160
2140
2120
2100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

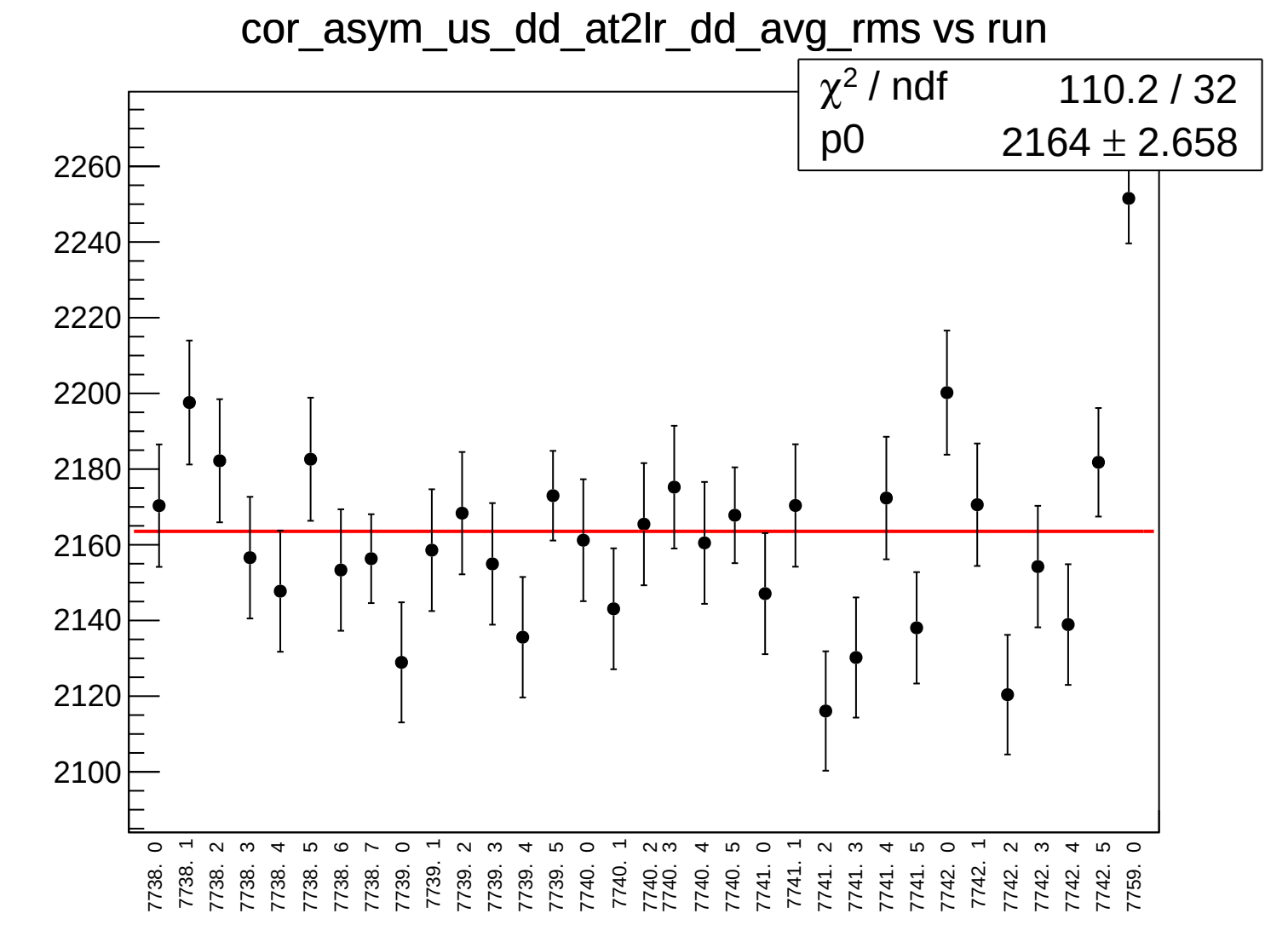

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 31.8 / 32
p0 291.9 ± 9876
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −238.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

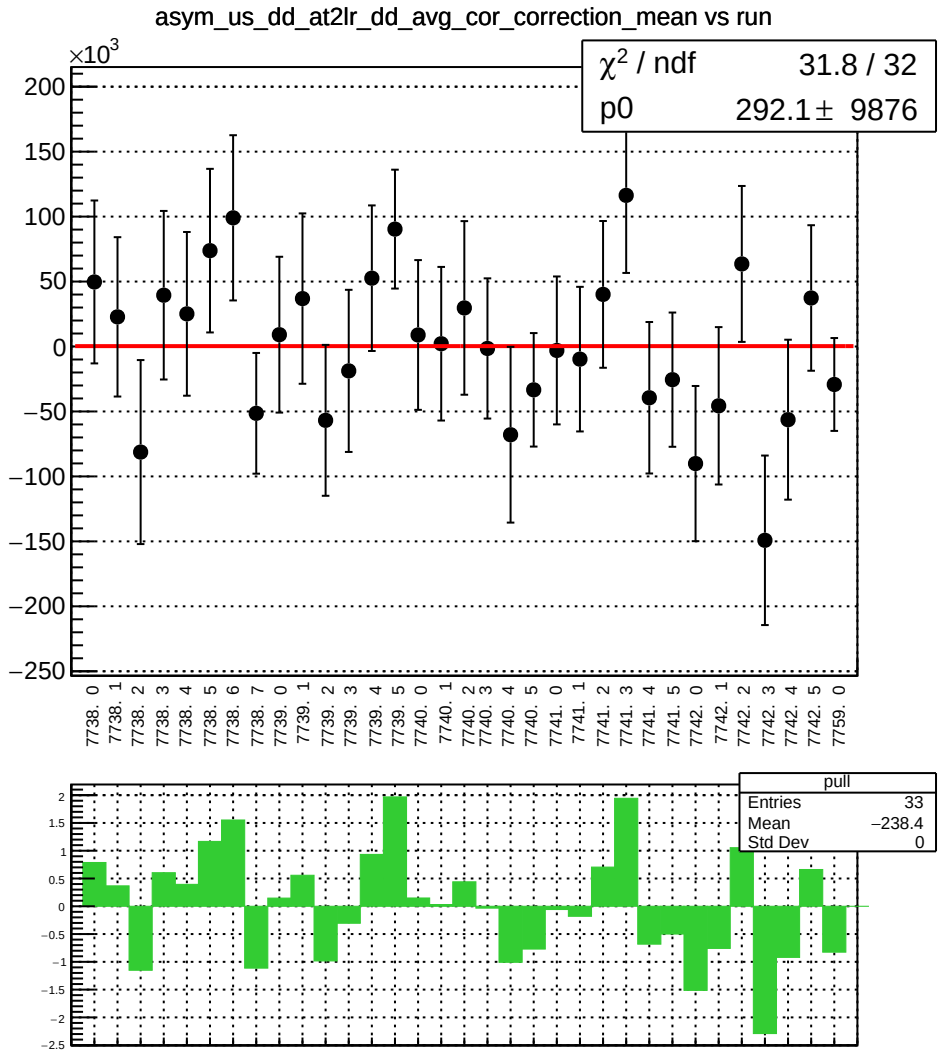

pull1D
Entries 33
Mean 0.01129
Std Dev 0.9816
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

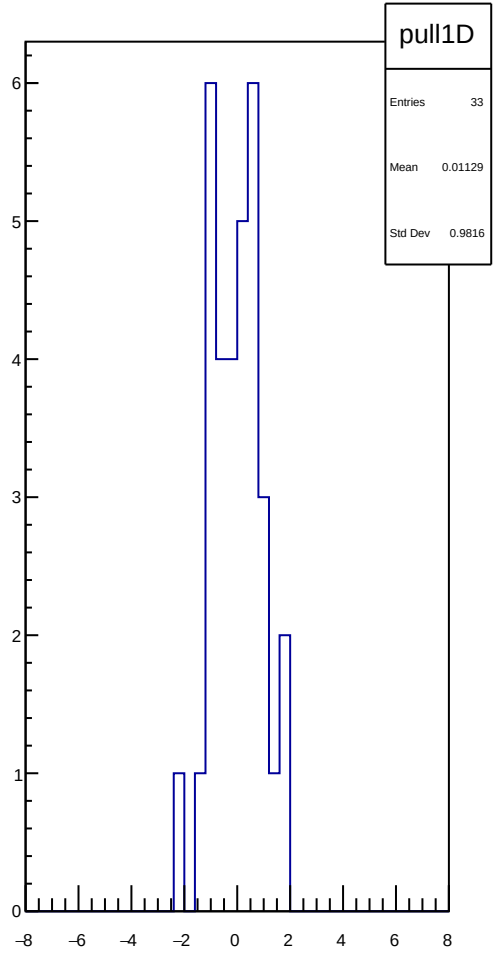

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3809 / 32
p0 5669 ± 6.983
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

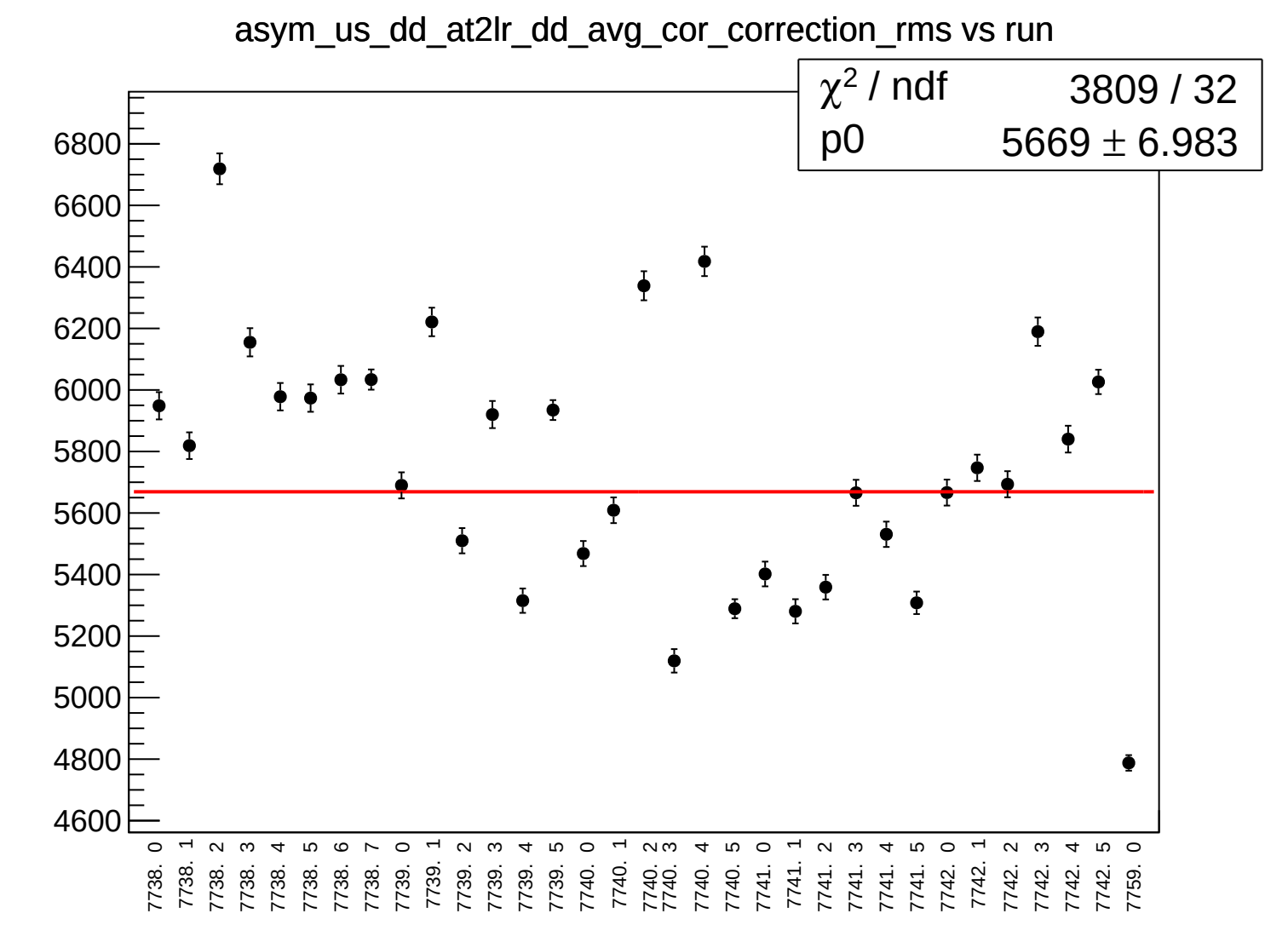

cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 48.08 / 32
p0 2494 ± 3759
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.8
Std Dev 0
3
2
1
0
−1
−2

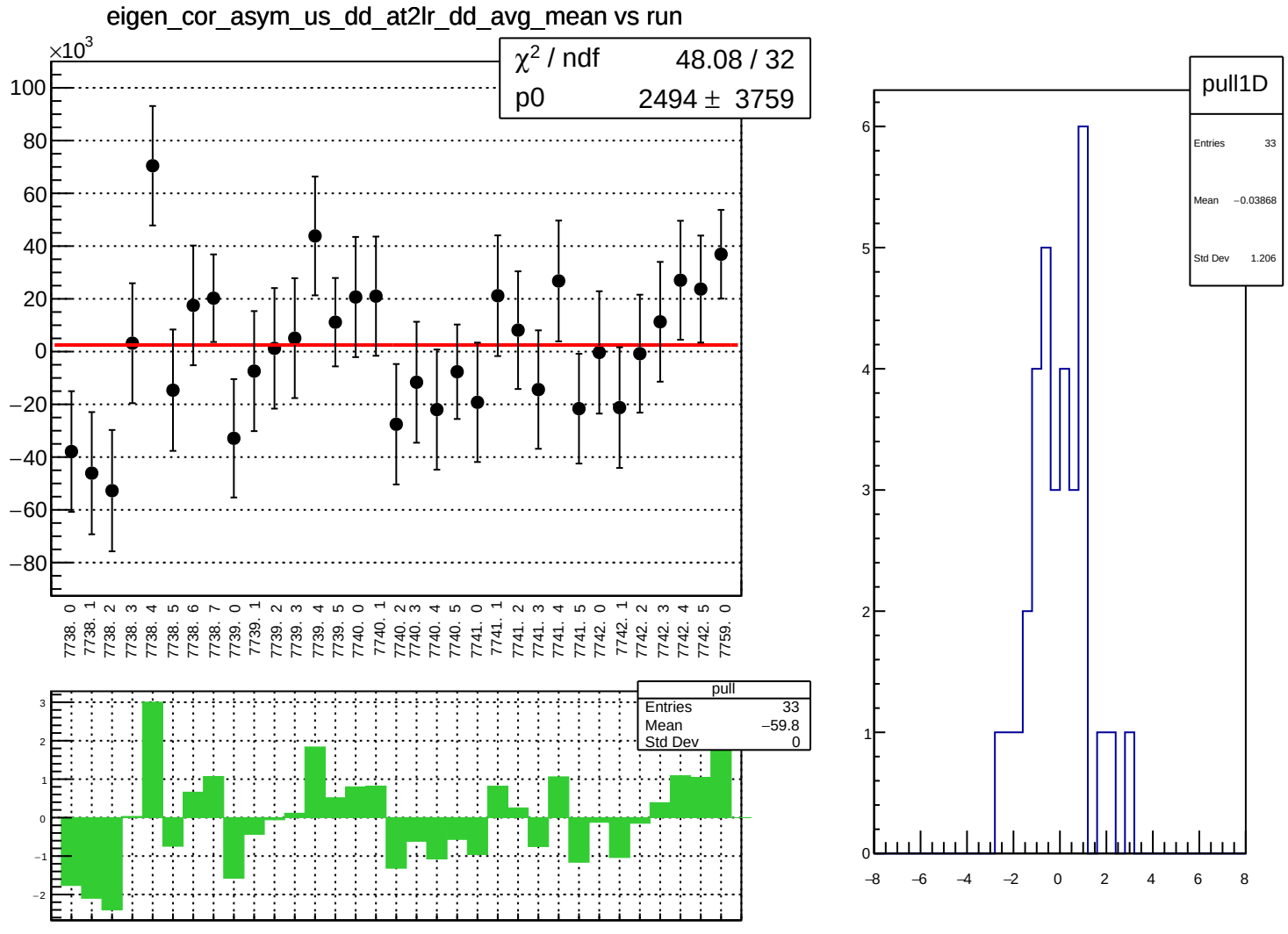

pull1D
Entries 33
Mean −0.03868
Std Dev 1.206
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

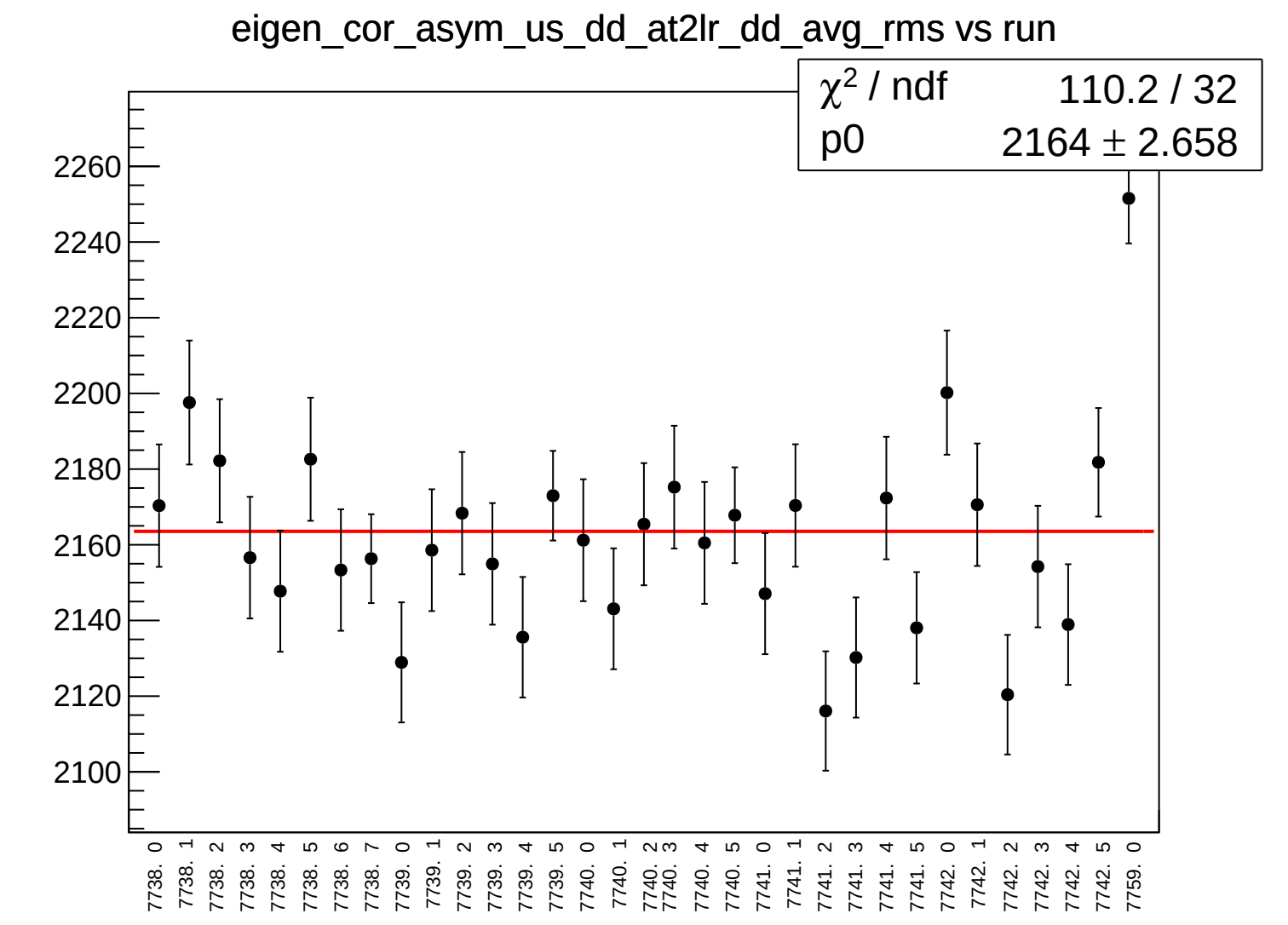

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 110.2 / 32
p0 2164 ± 2.658
2260
2240
2220
2200
2180
2160
2140
2120
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

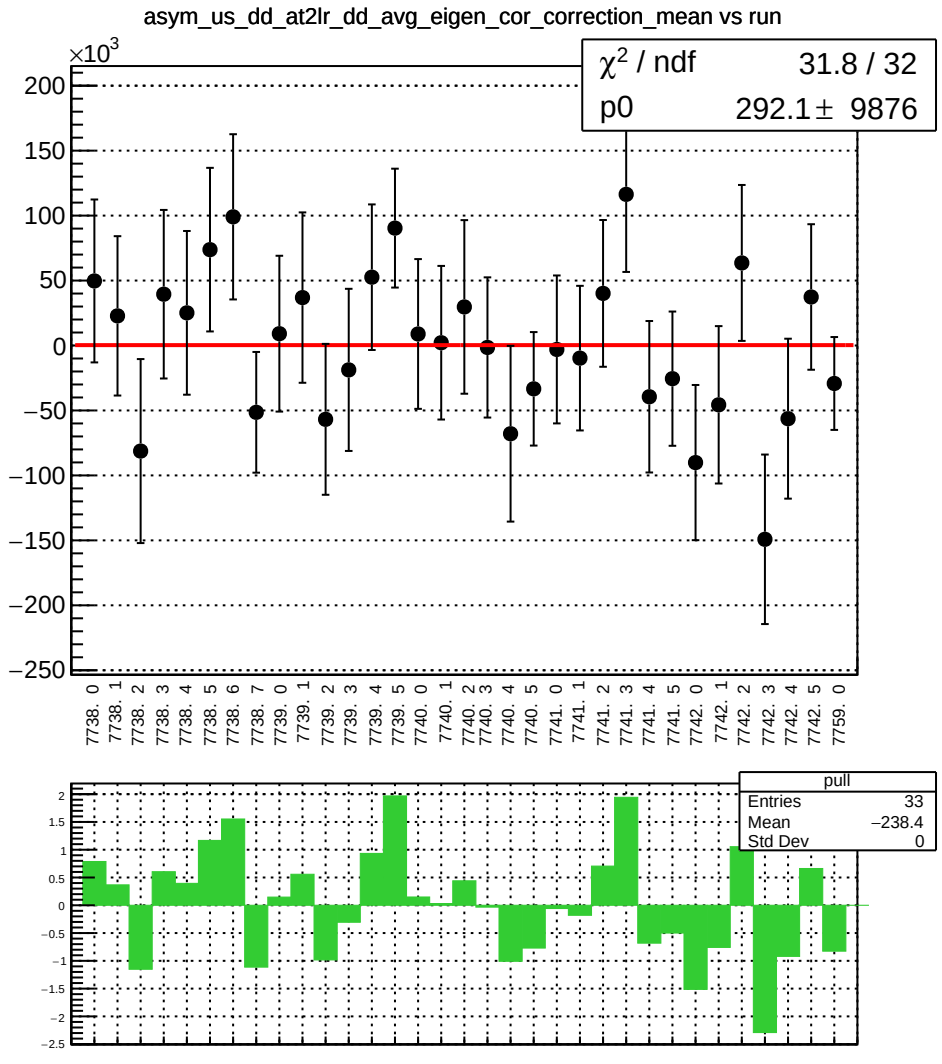

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 31.8 / 32
p0 292.1± 9876
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −238.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

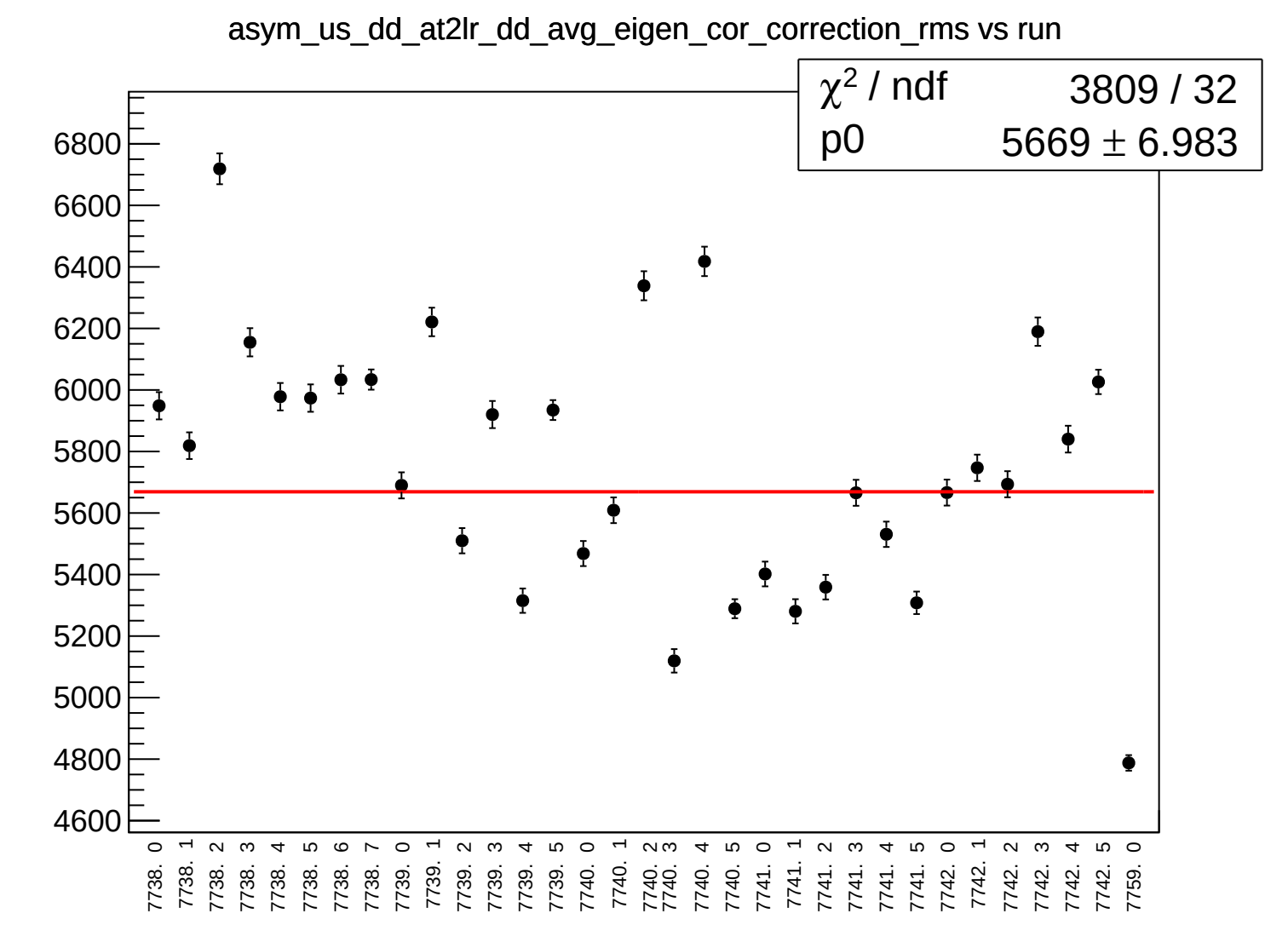

pull1D
Entries 33
Mean 0.01129
Std Dev 0.9816
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

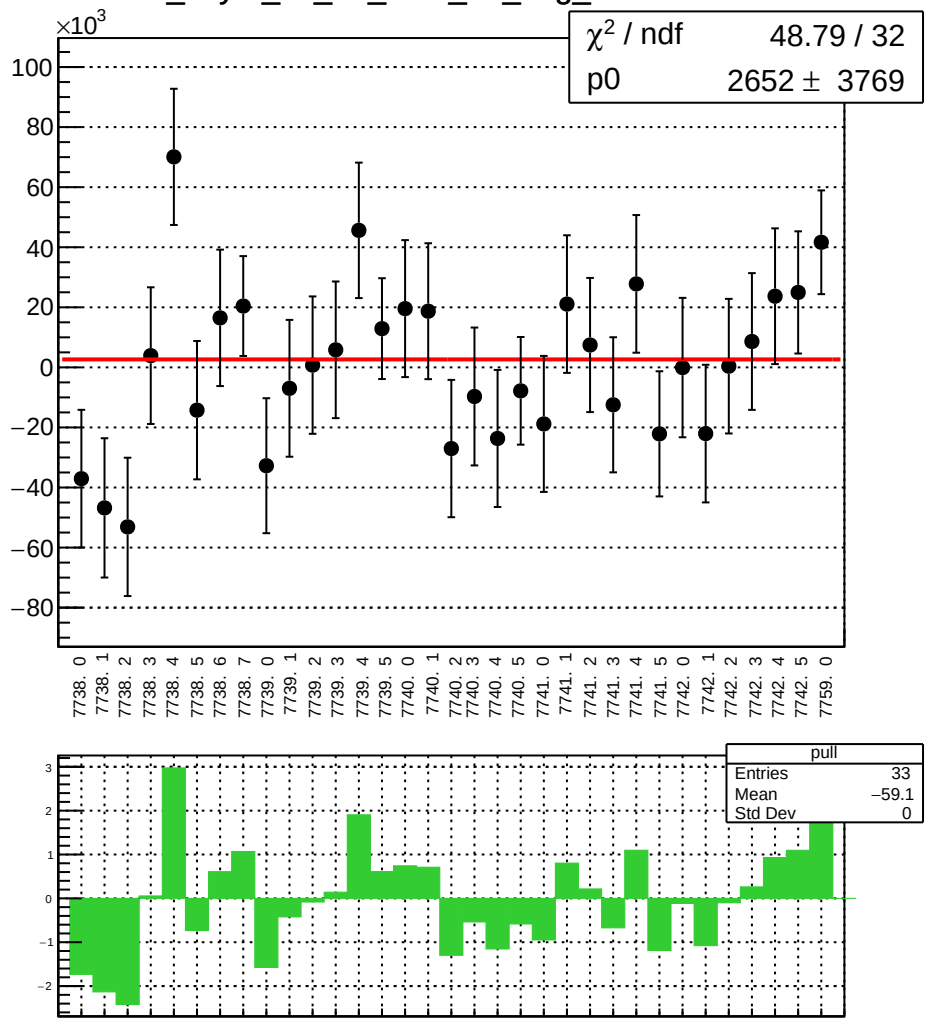

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3809 / 32
p0 5669 ± 6.983
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

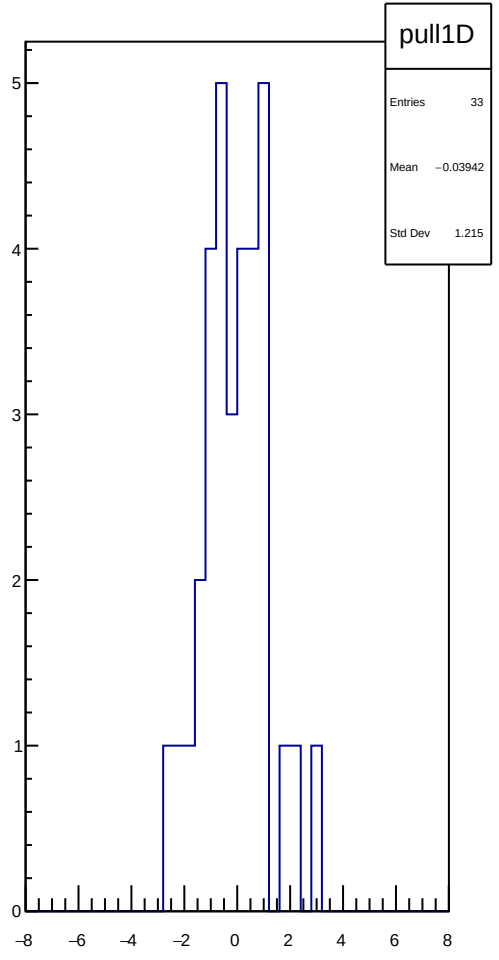

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 48.08 / 32
p0 2494 ± 3759
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.03868
Std Dev 1.206
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

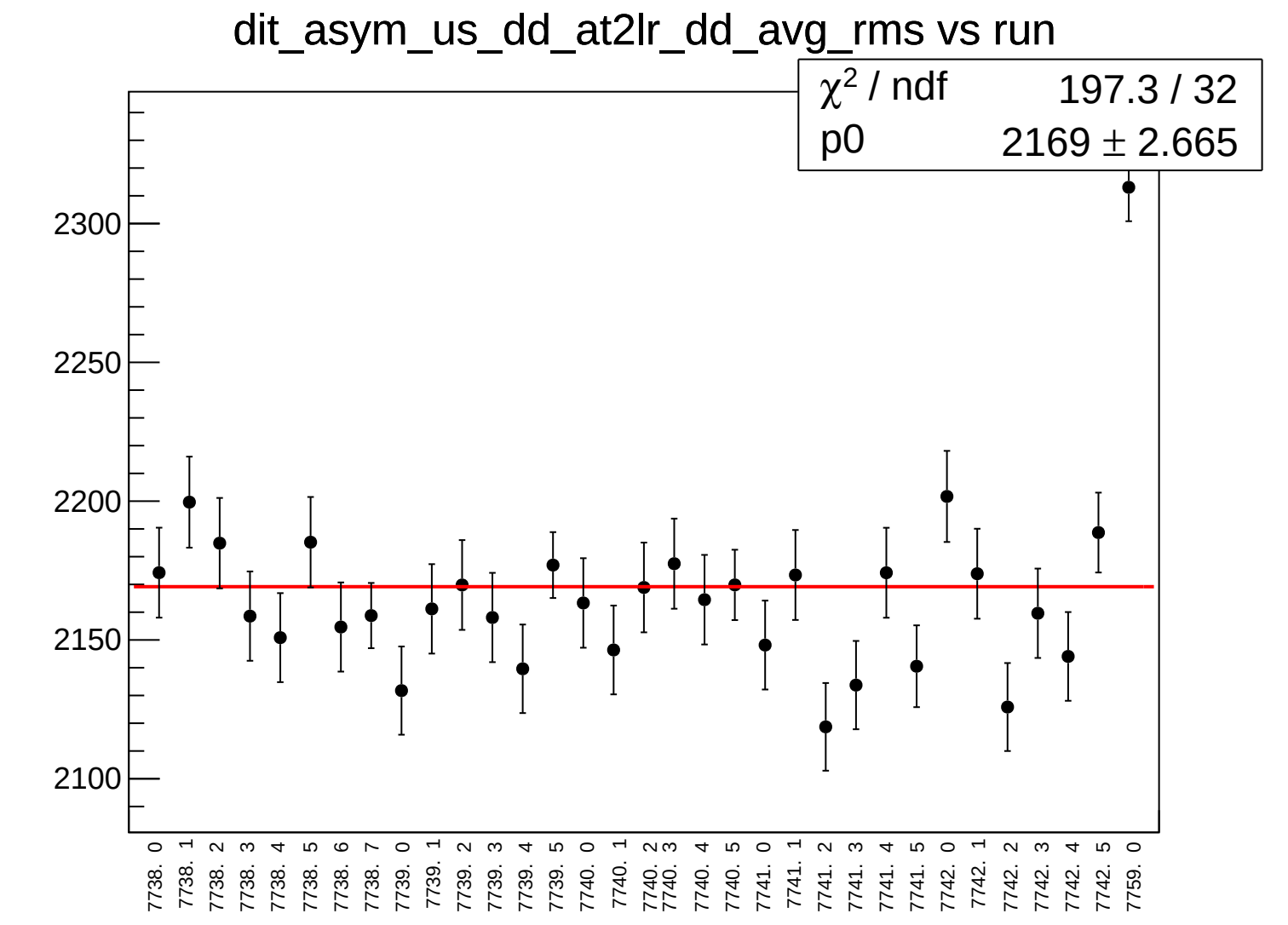

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 110.2 / 32
p0 2164 ± 2.658
2260
2240
2220
2200
2180
2160
2140
2120
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

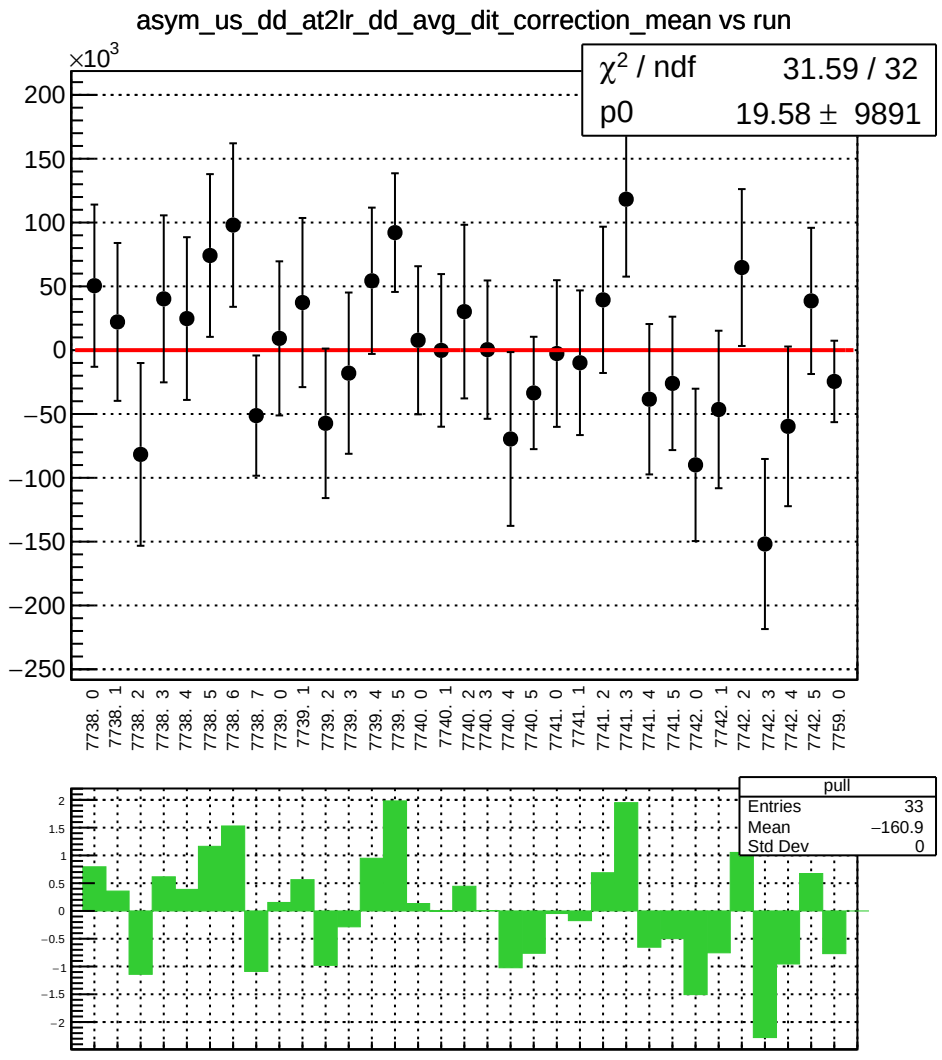

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 31.8 / 32
p0 292.1± 9876
pull
Entries 33
Mean −238.4
Std Dev 0
pull1D
Entries 33
Mean 0.01129
Std Dev 0.9816

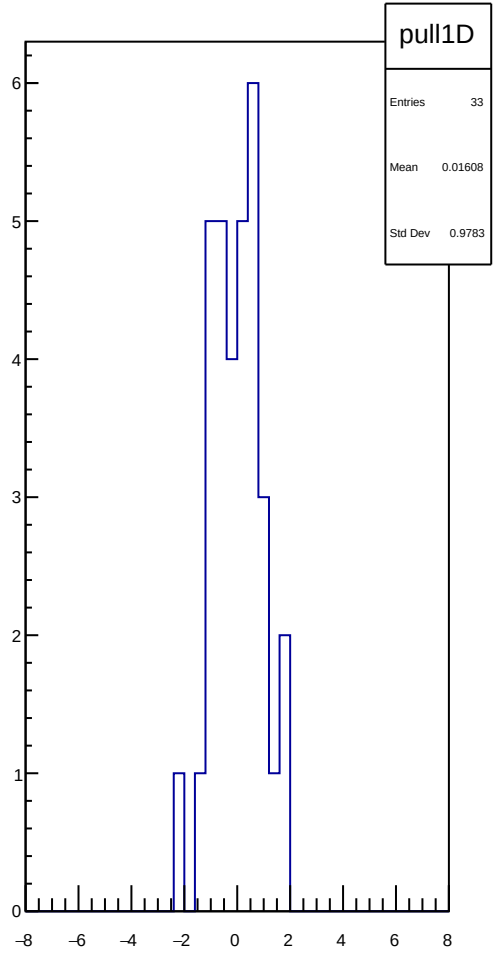

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3809 / 32
p0 5669 ± 6.983
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

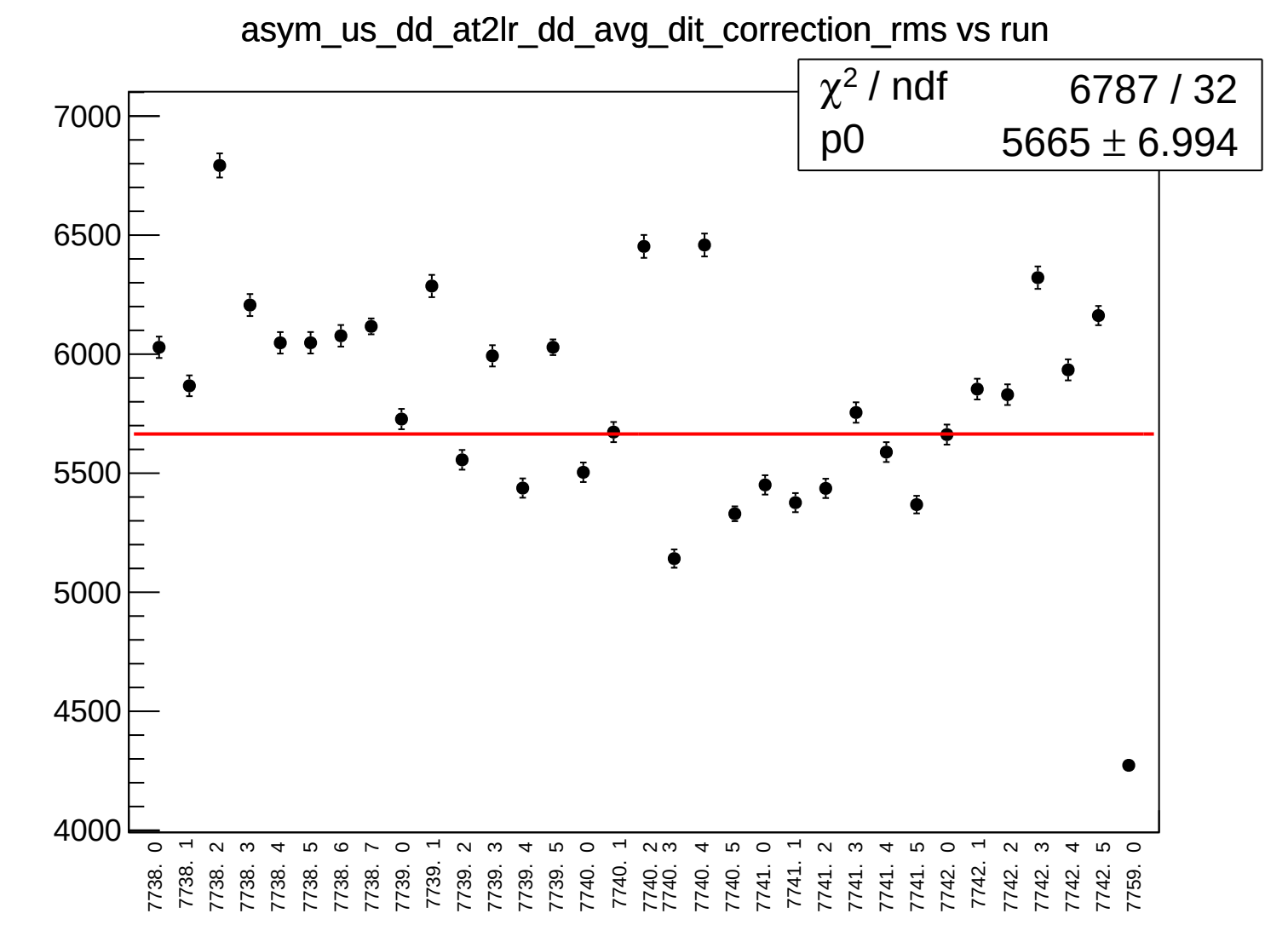

dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 48.79 / 32
p0 2652 ± 3769
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.1
Std Dev 0
3
2
1
0
−1
−2

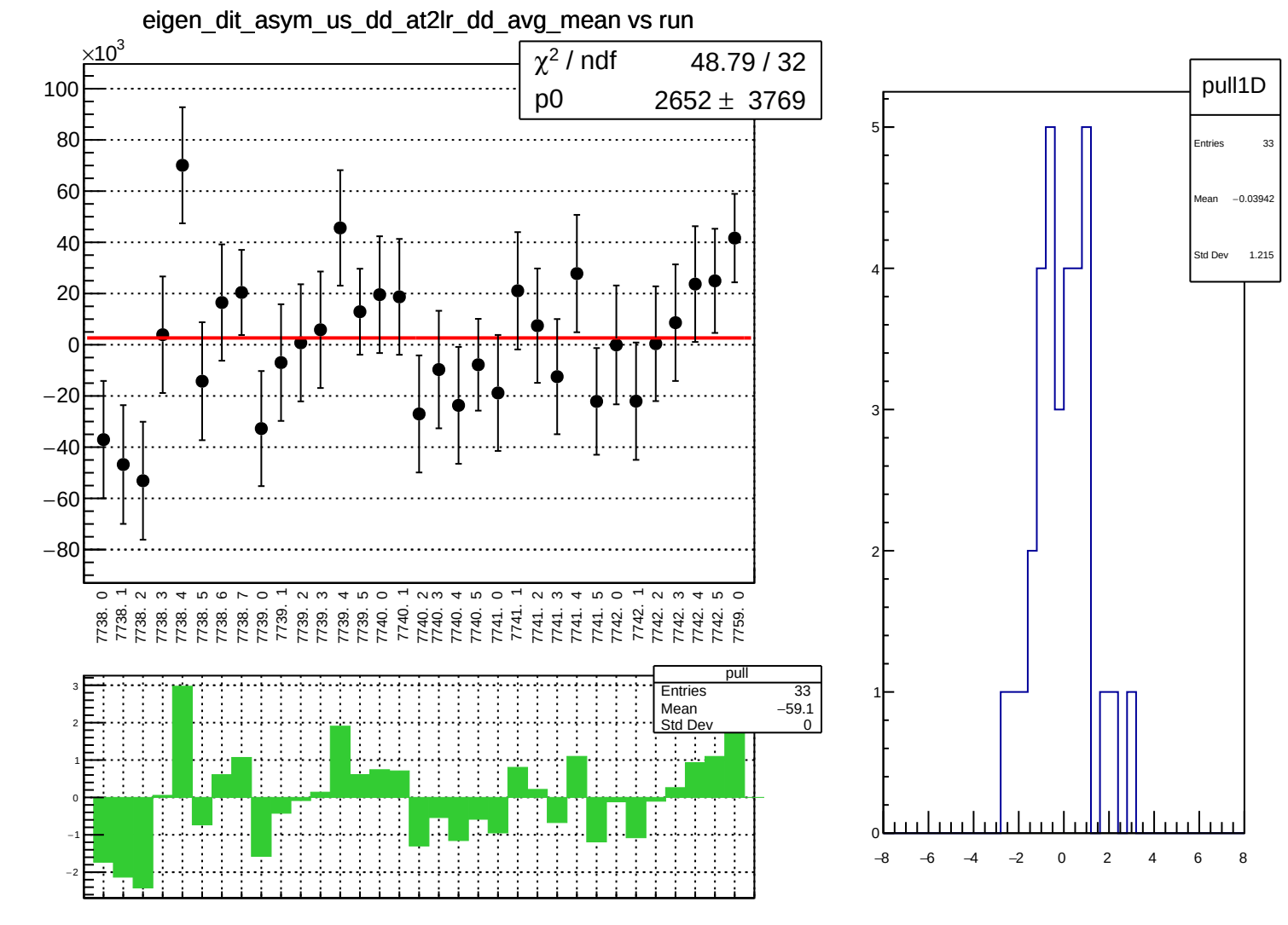

pull1D
Entries 33
Mean −0.03942
Std Dev 1.215
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

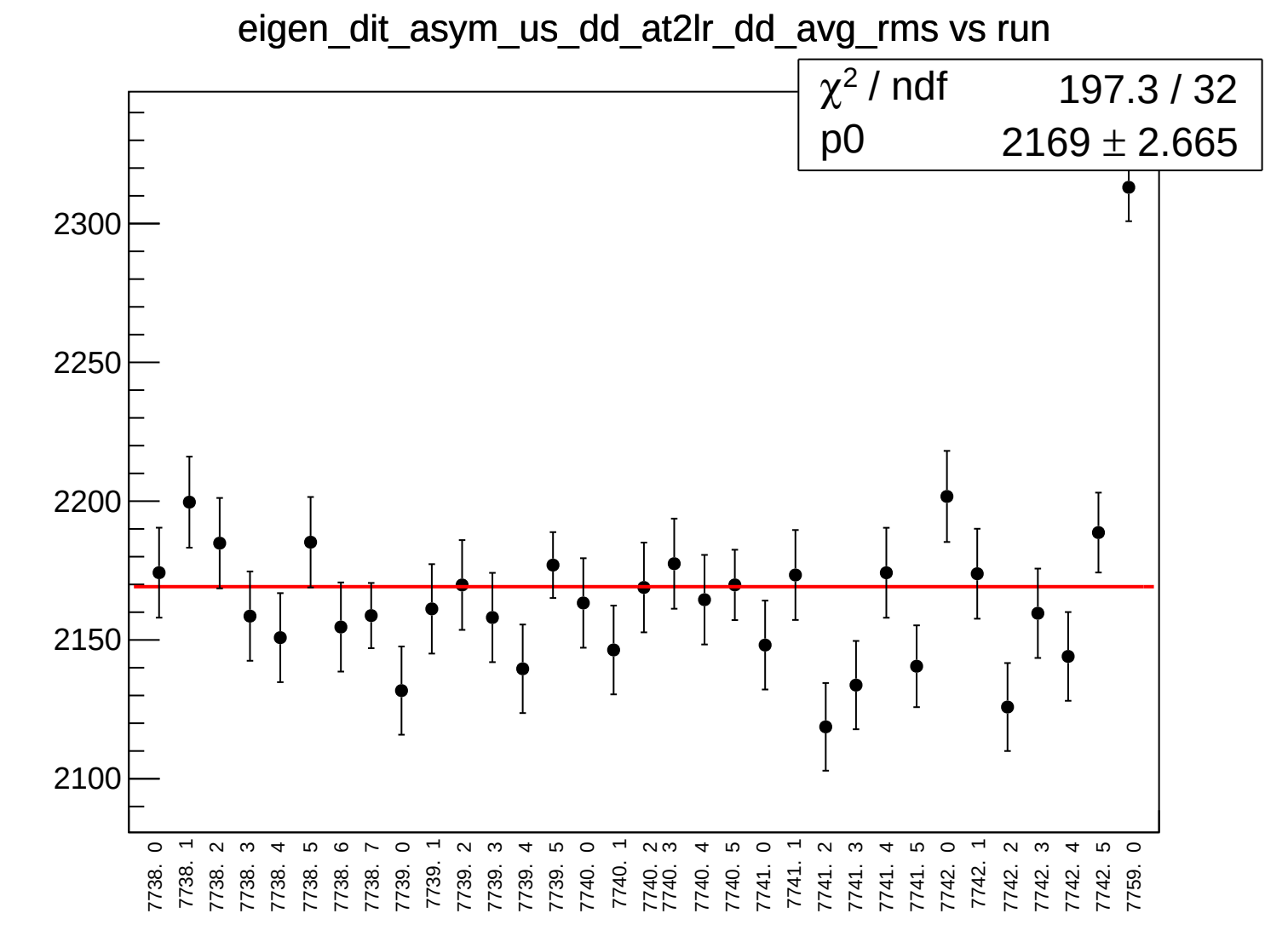

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 197.3 / 32
p0 2169 ± 2.665
2300
2250
2200
2150
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

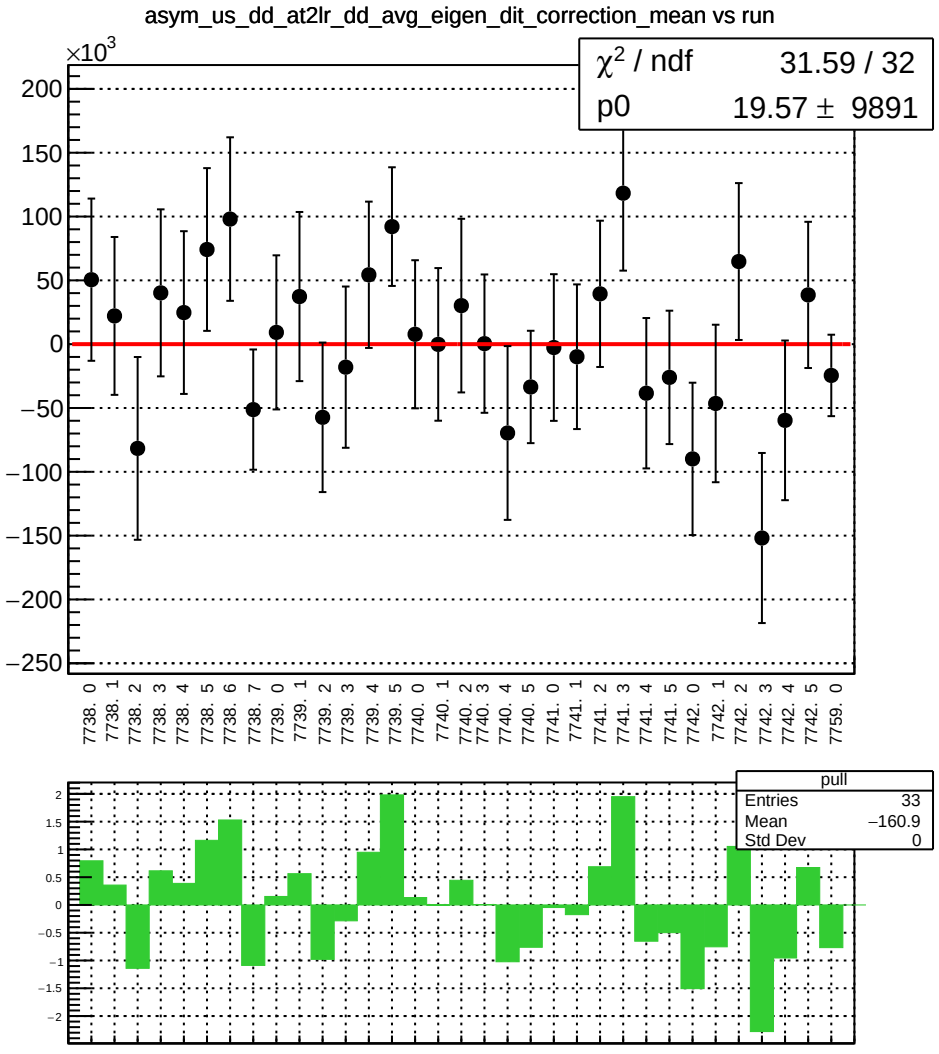

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 31.59 / 32
p0 19.58 ± 9891
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −160.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

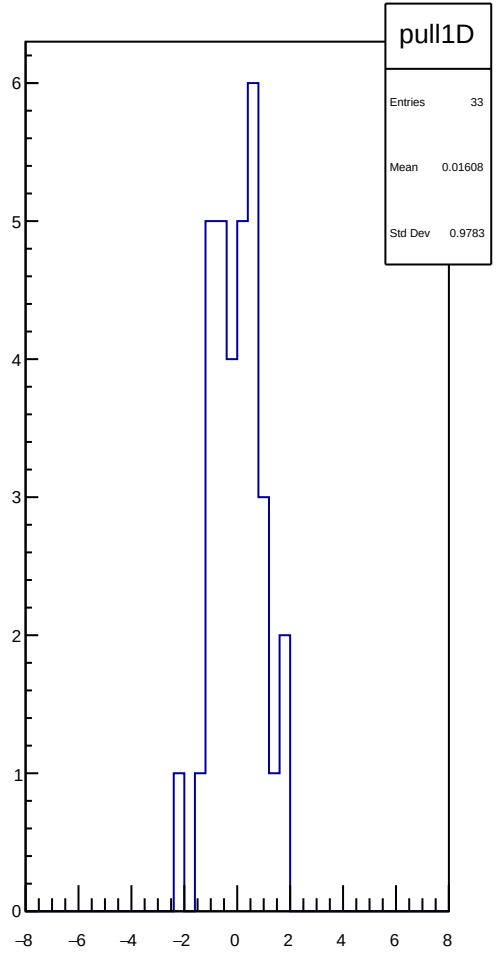

pull1D
Entries 33
Mean 0.01608
Std Dev 0.9783
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

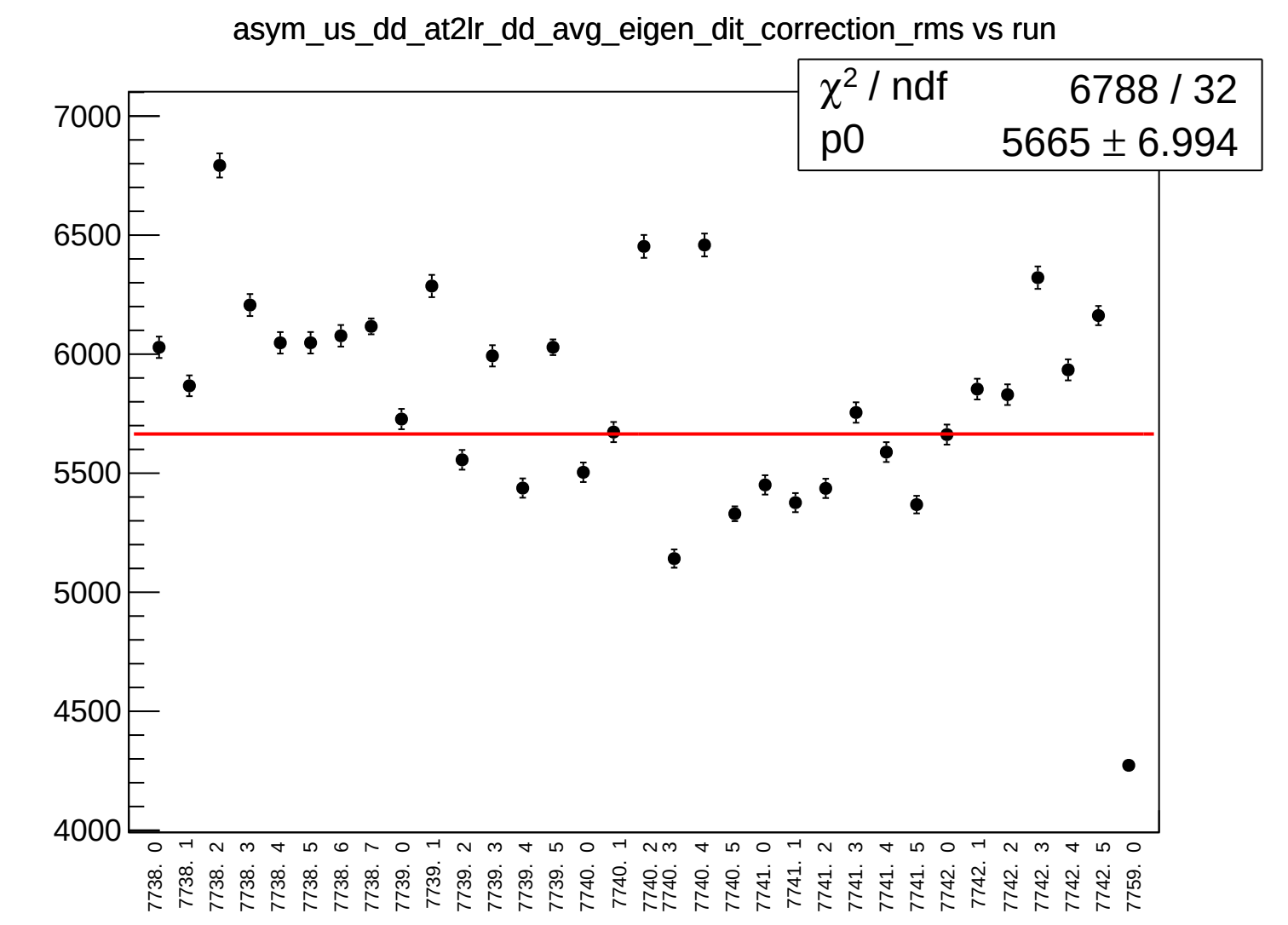

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 6787 / 32
p0 5665 ± 6.994
7000
6500
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

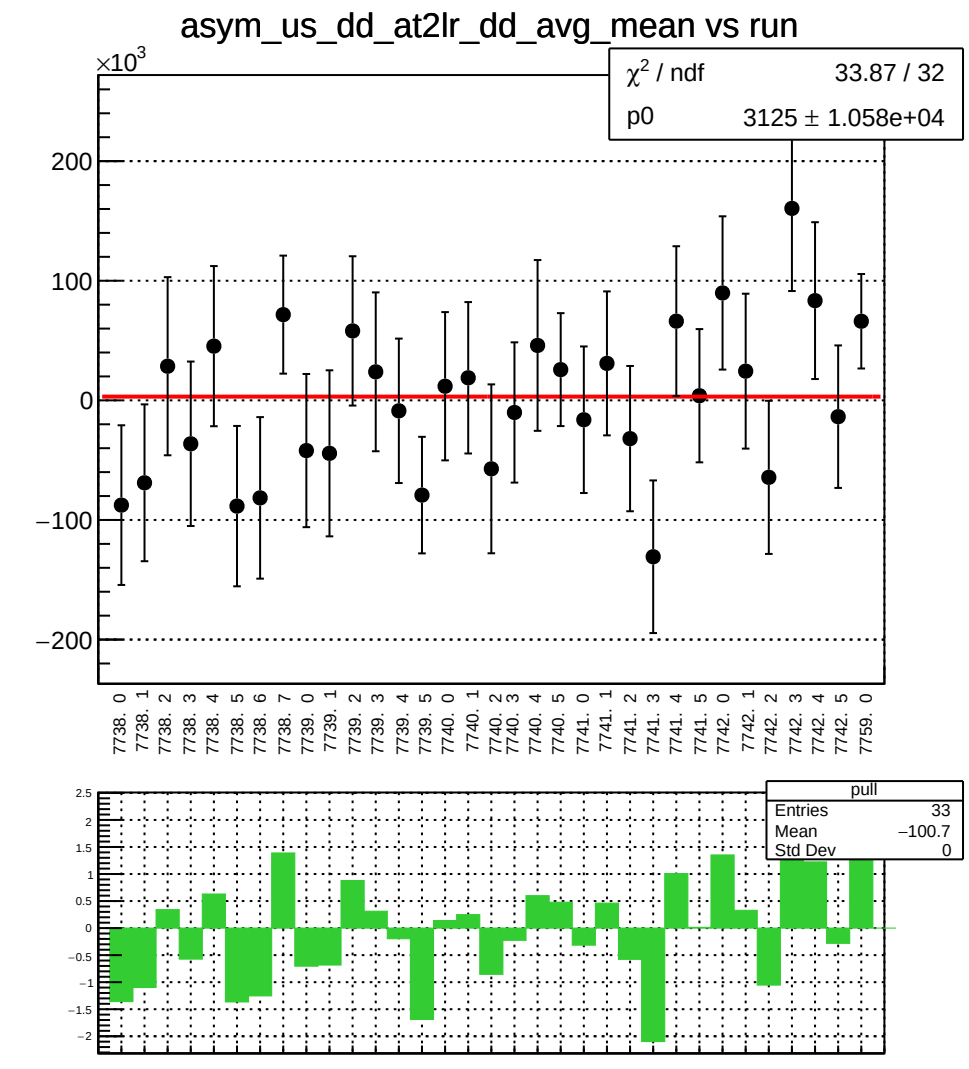

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 48.79 / 32
p0 2652 ± 3769
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.03942
Std Dev 1.215
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

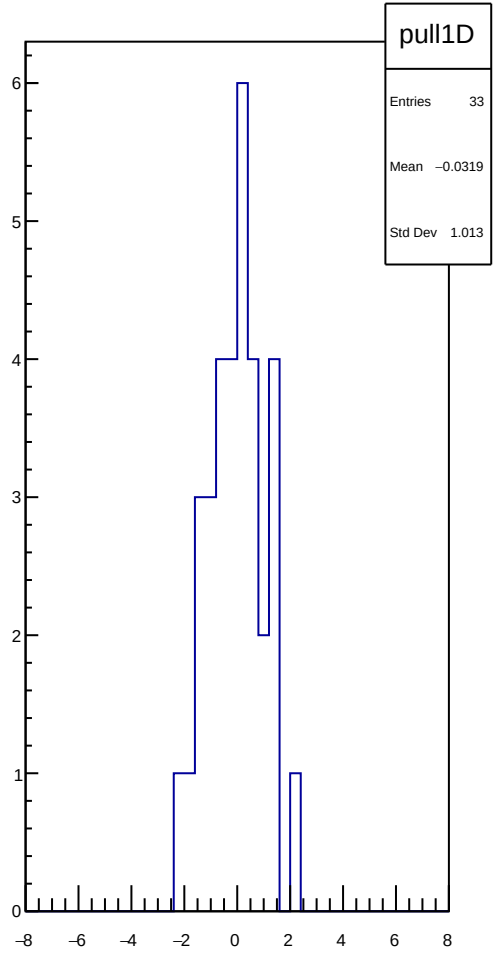

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 197.3 / 32
p0 2169 ± 2.665
2300
2250
2200
2150
2100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

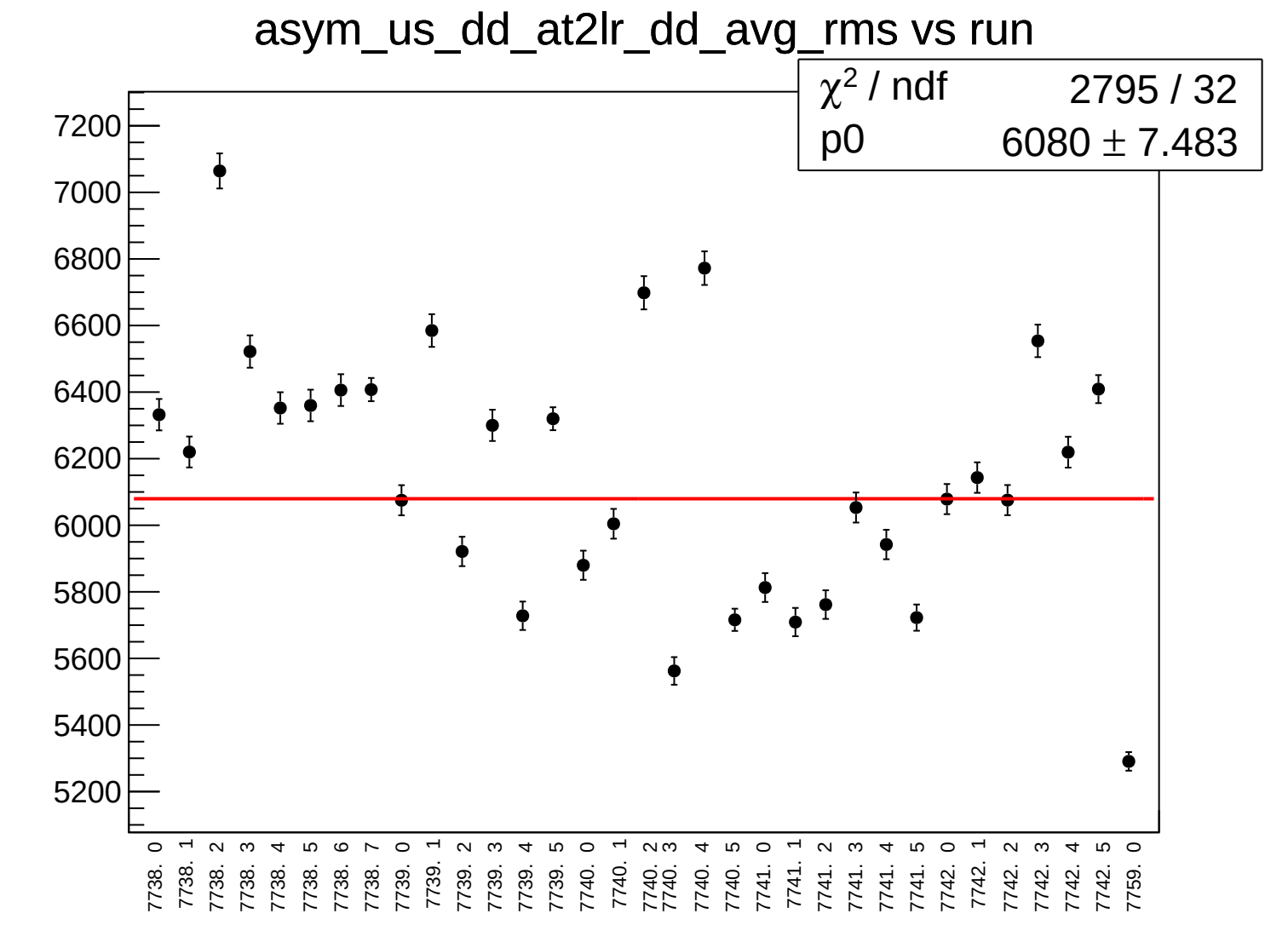

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 31.59 / 32
p0 19.57 ± 9891
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −160.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

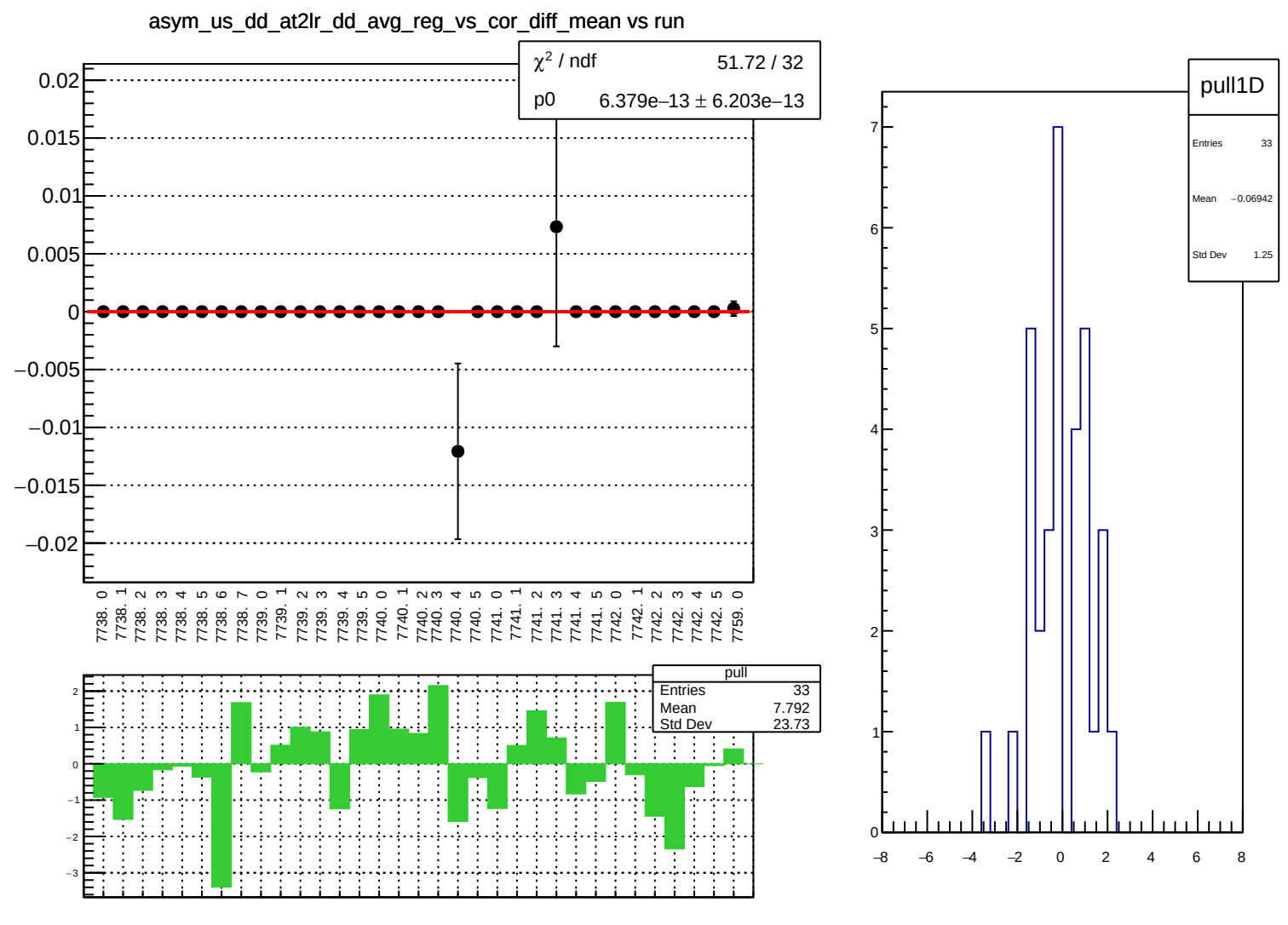

pull1D
Entries 33
Mean 0.01608
Std Dev 0.9783
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

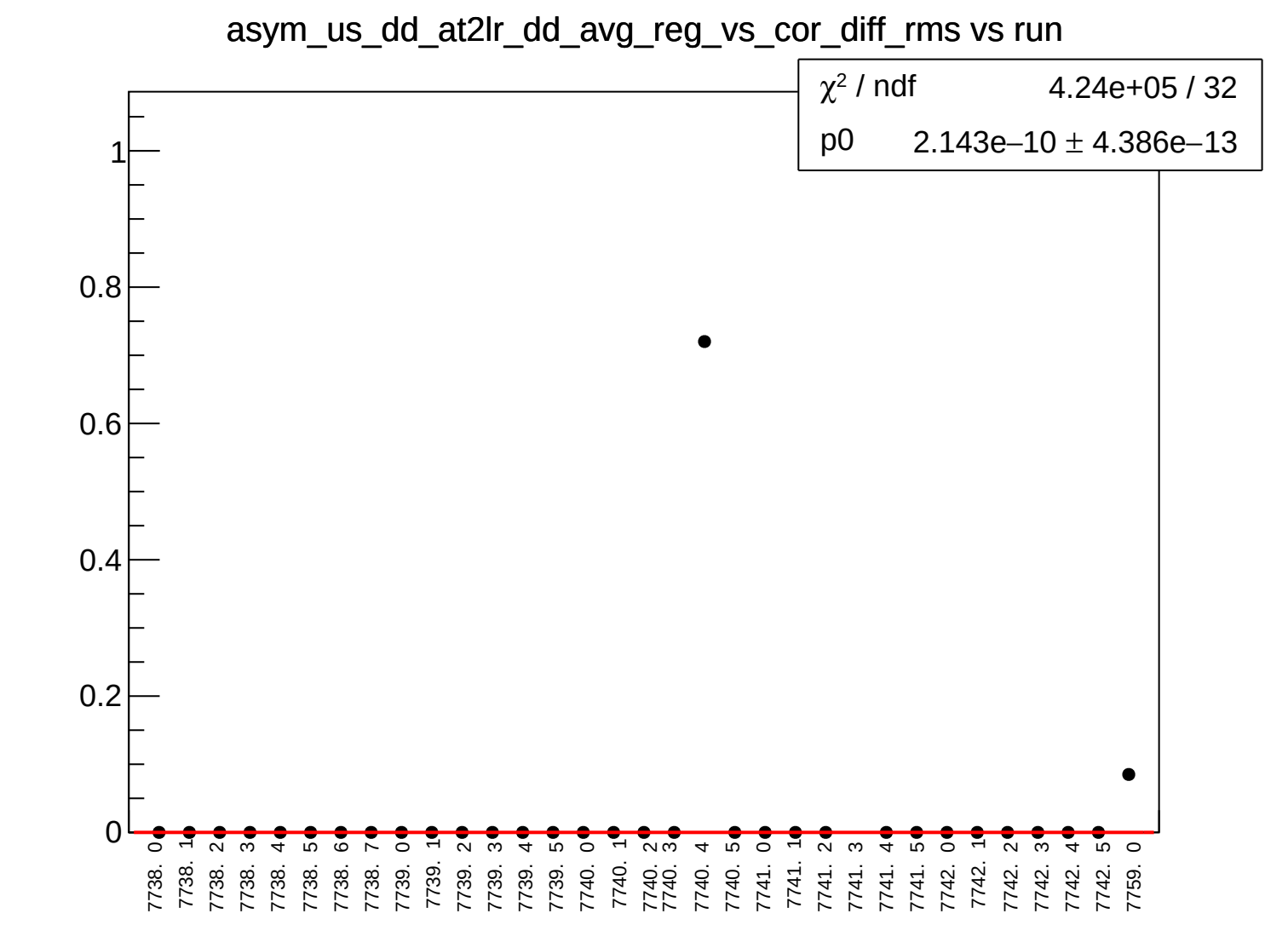

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6788 / 32
p0 5665 ± 6.994
7000
6500
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

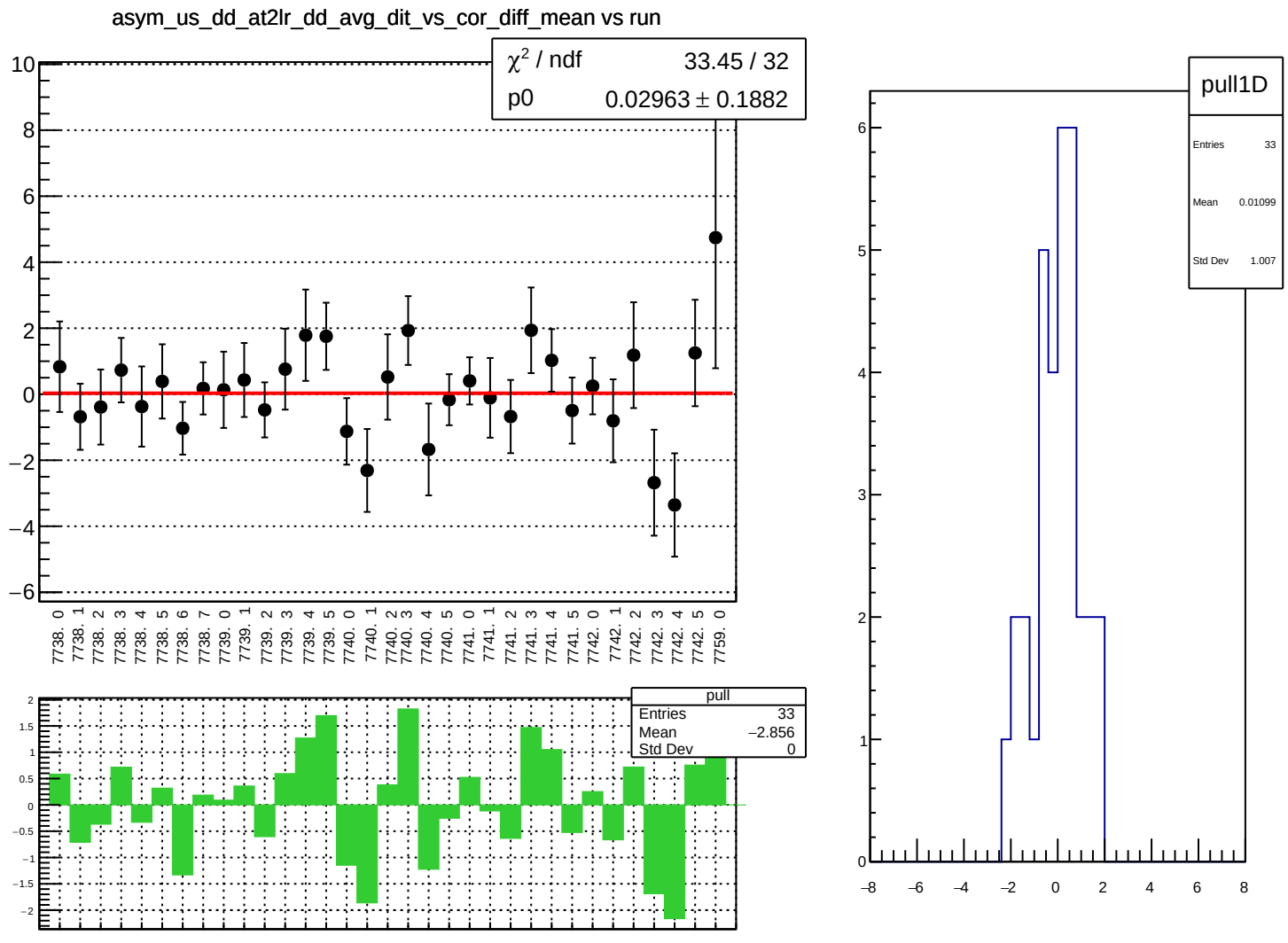

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 33.87 / 32
p0 3125 ± 1.058e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −100.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

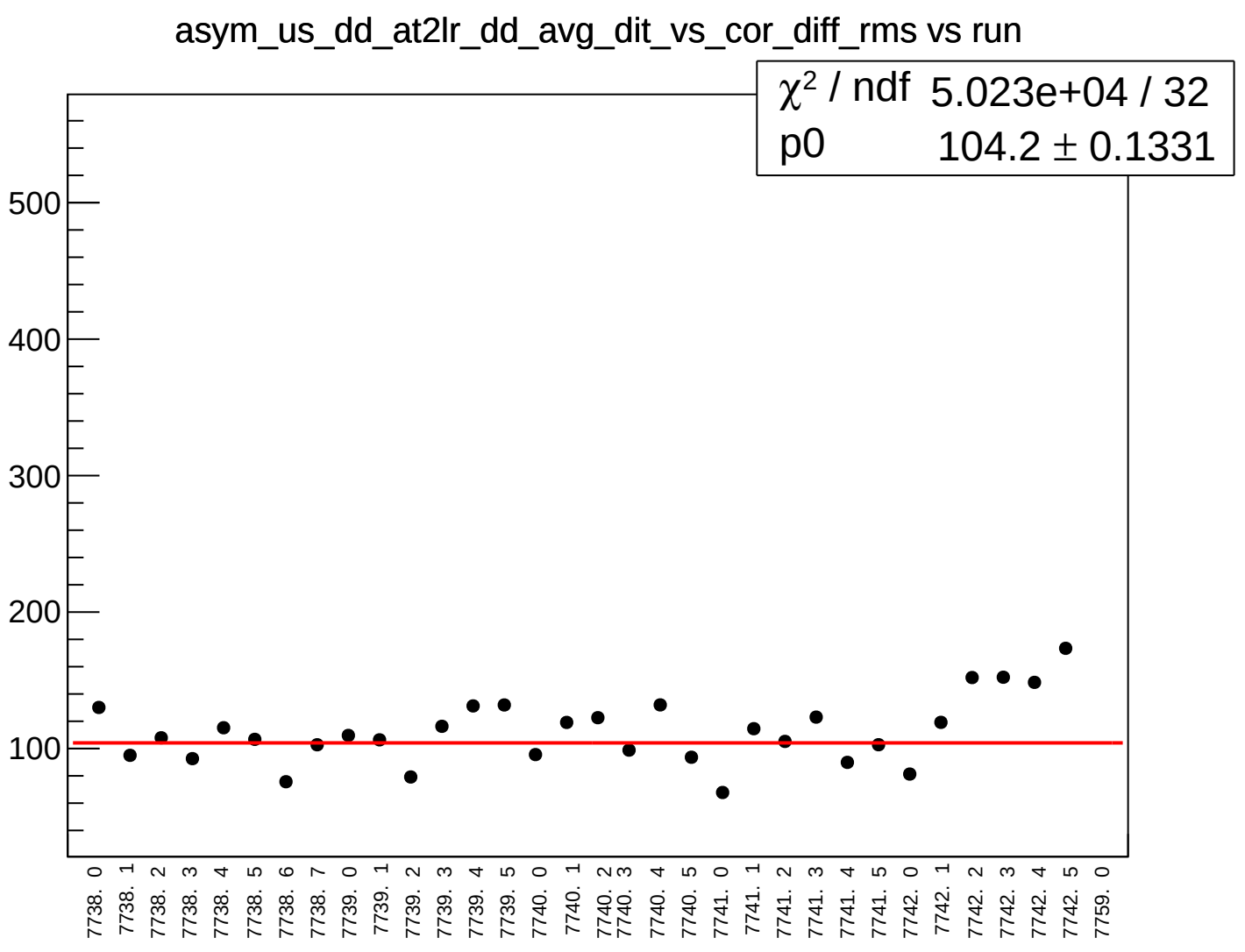

pull1D
Entries 33
Mean −0.0319
Std Dev 1.013
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

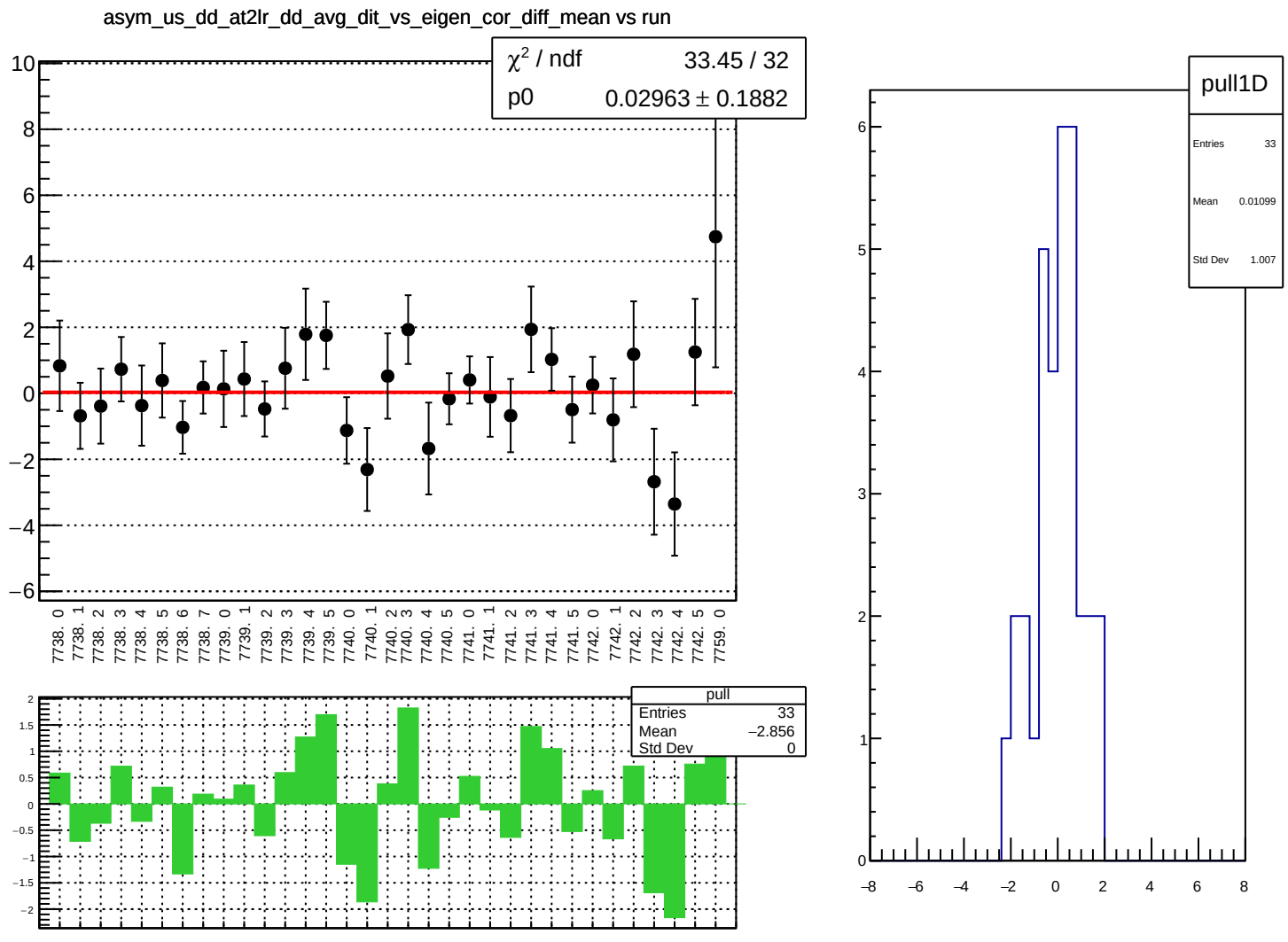

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 2795 / 32
p0 6080 ± 7.483
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

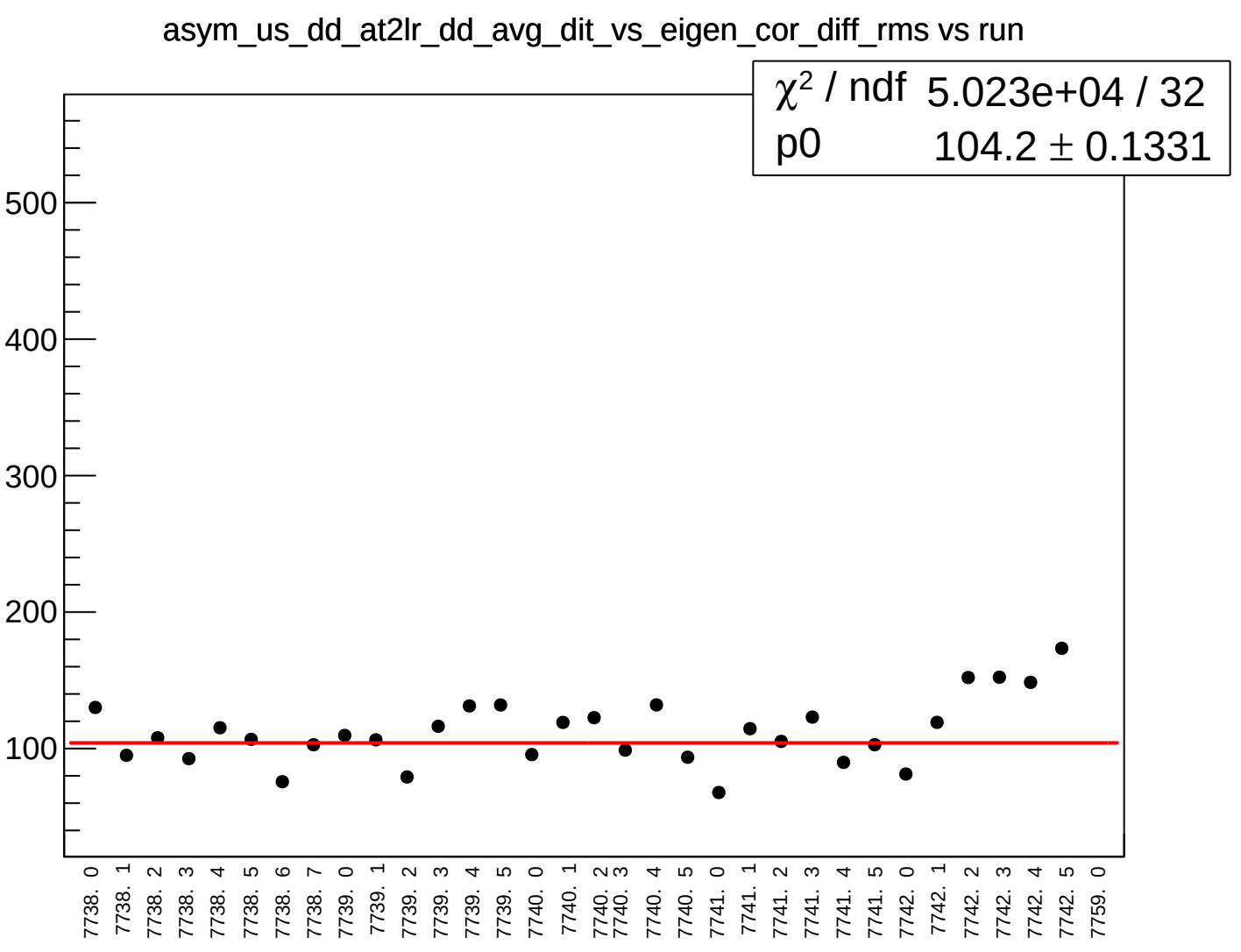

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.72 / 32
p0 6.379e−13 ± 6.203e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.792
Std Dev 23.73
pull1D
Entries 33
Mean −0.06942
Std Dev 1.25

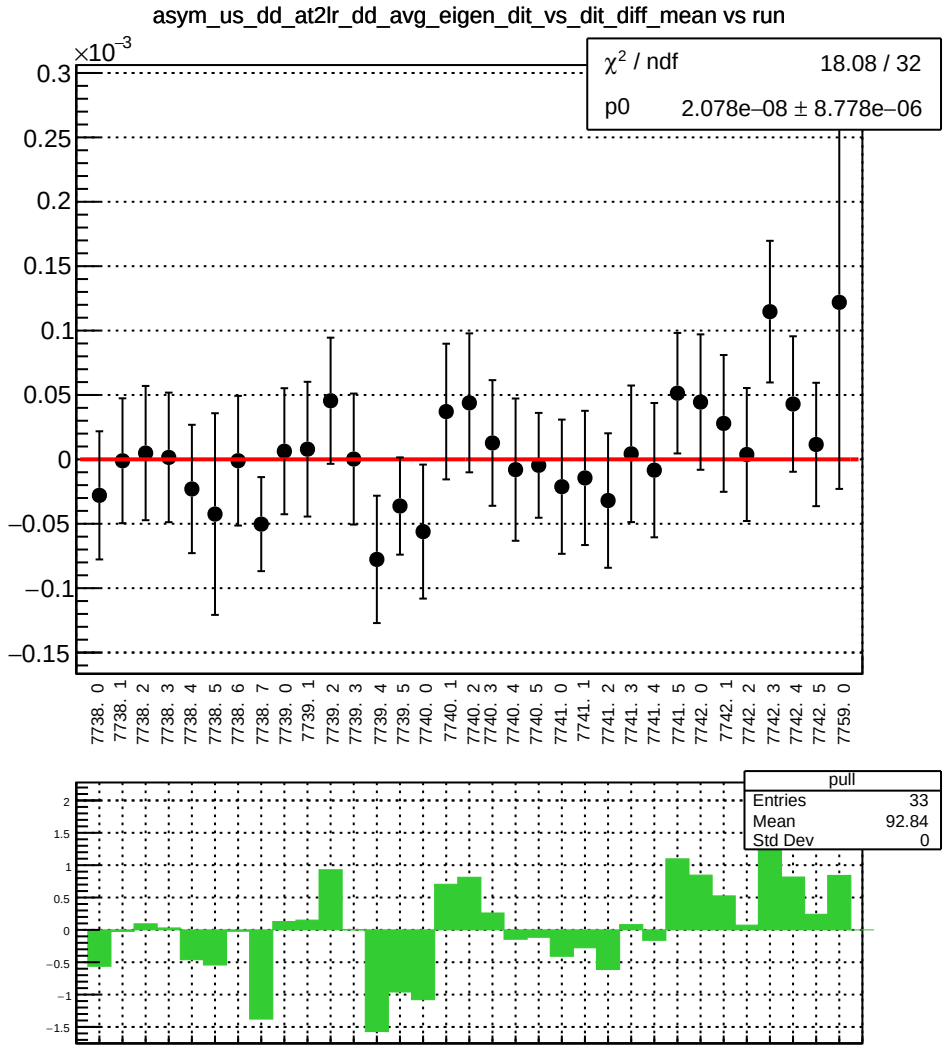

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.24e+05 / 32
p0 2.143e−10 ± 4.386e−13
1
0.8
0.6
0.4
0.2
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

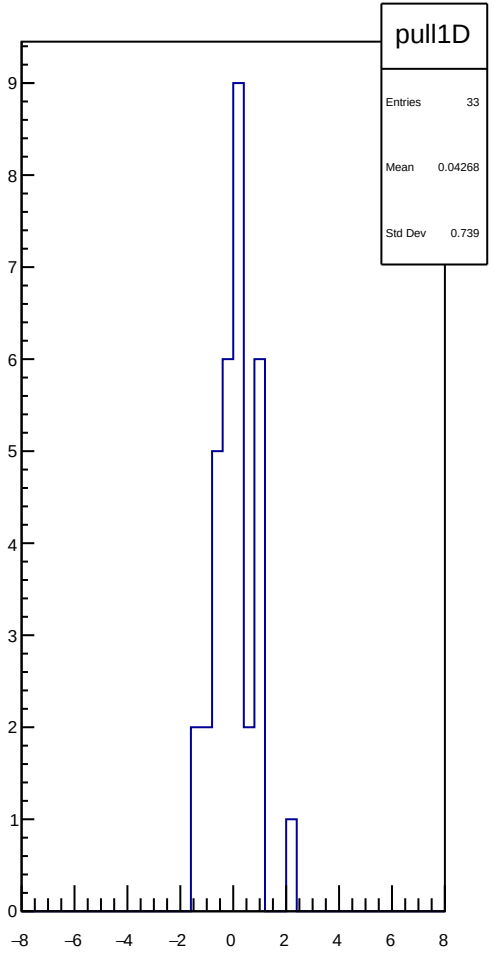

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 33.45 / 32
p0 0.02963 ± 0.1882
10
8
6
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.856
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01099
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

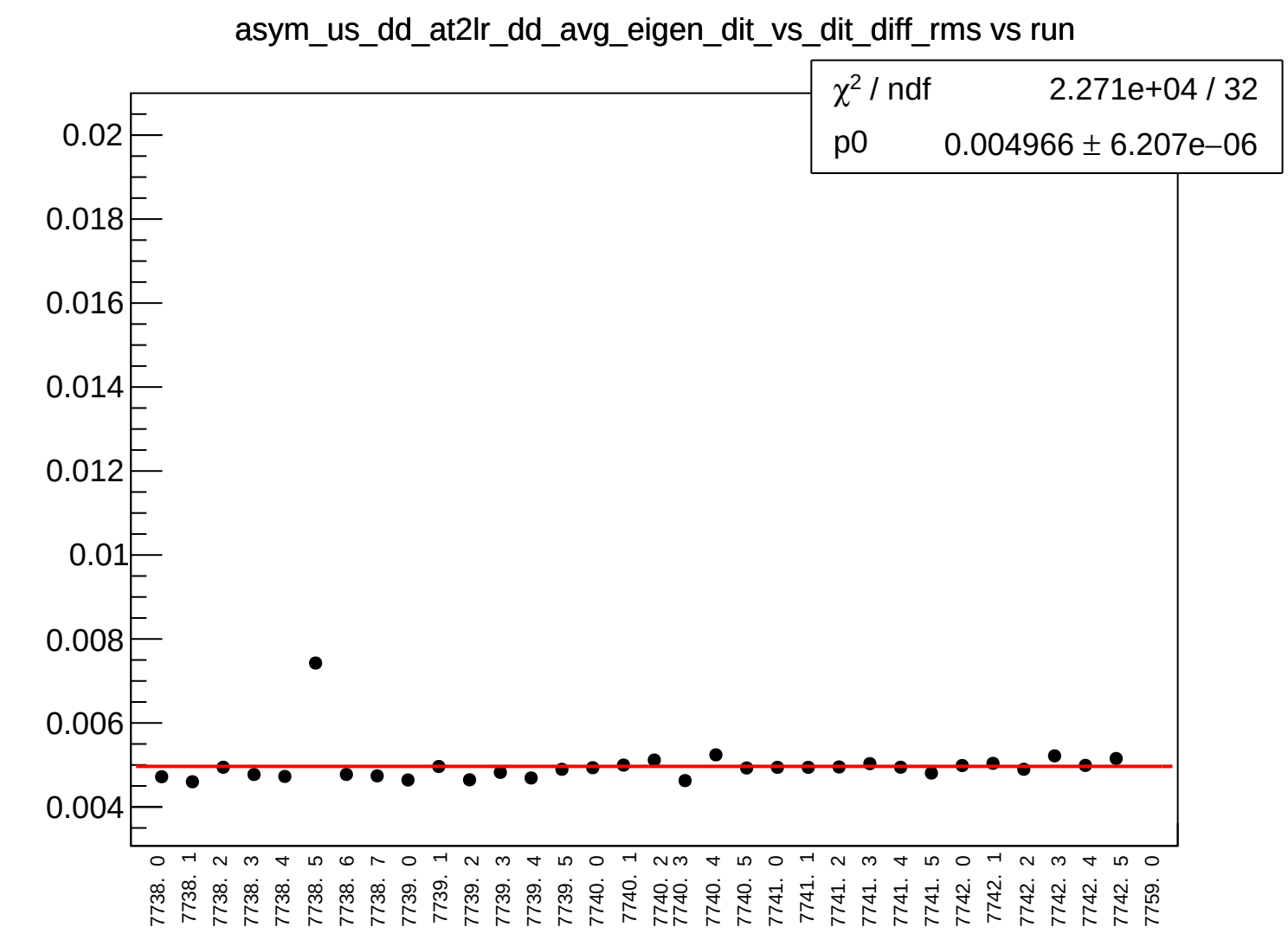

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.023e+04 / 32
p0 104.2 ± 0.1331
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

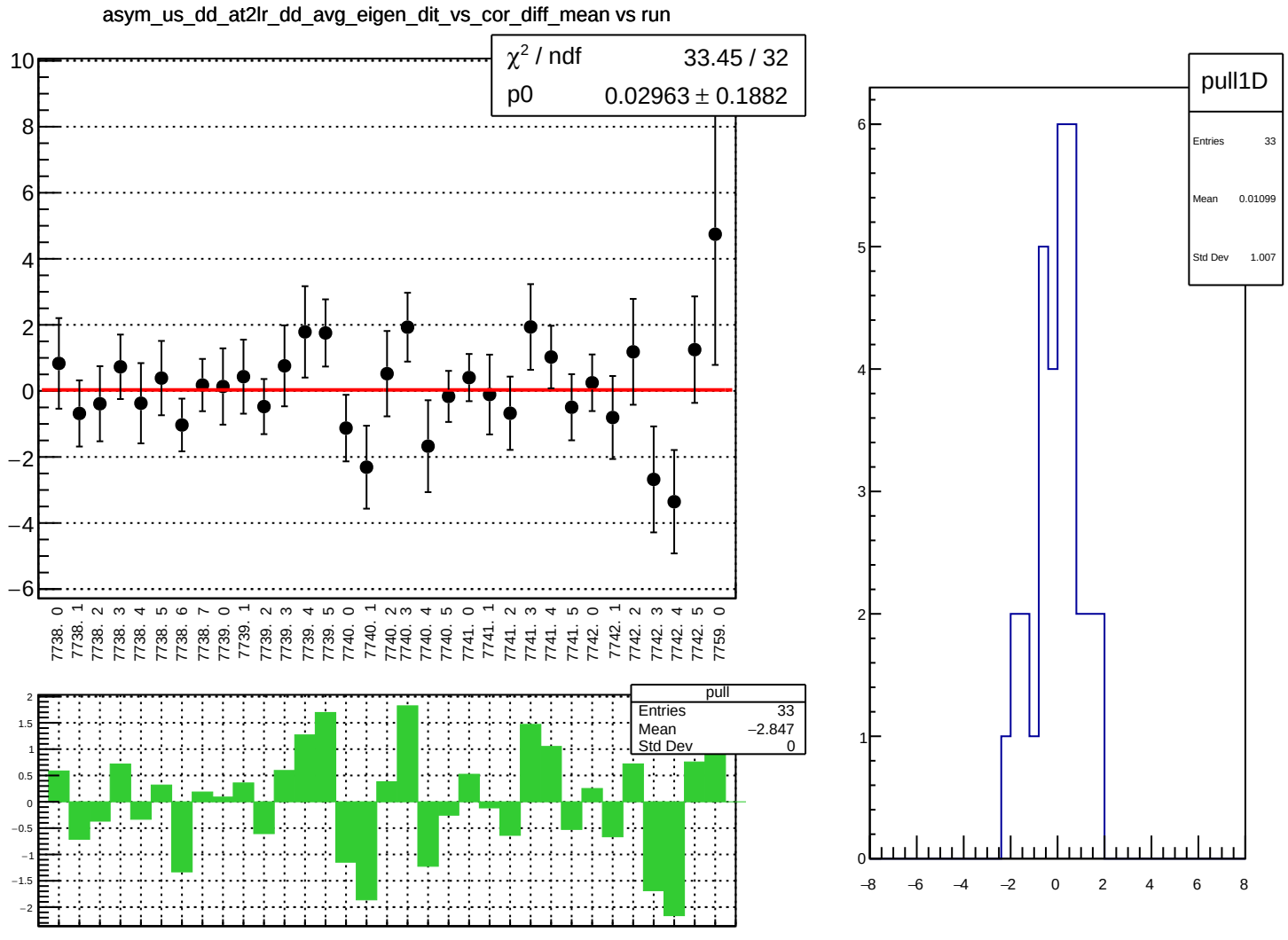

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.45 / 32
p0 0.02963 ± 0.1882
pull
Entries 33
Mean −2.856
Std Dev 0
pull1D
Entries 33
Mean 0.01099
Std Dev 1.007

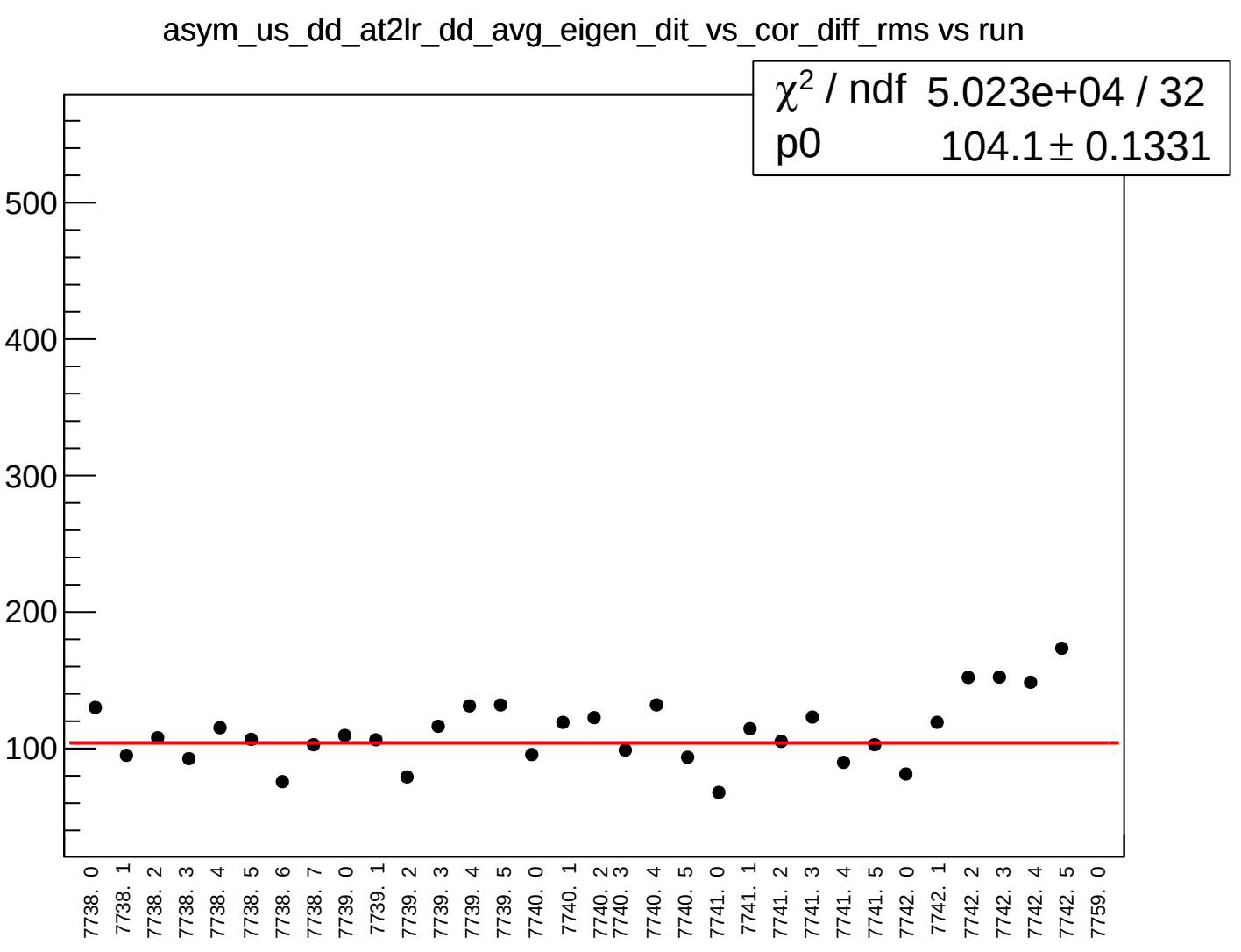

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.023e+04 / 32
p0 104.2 ± 0.1331
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

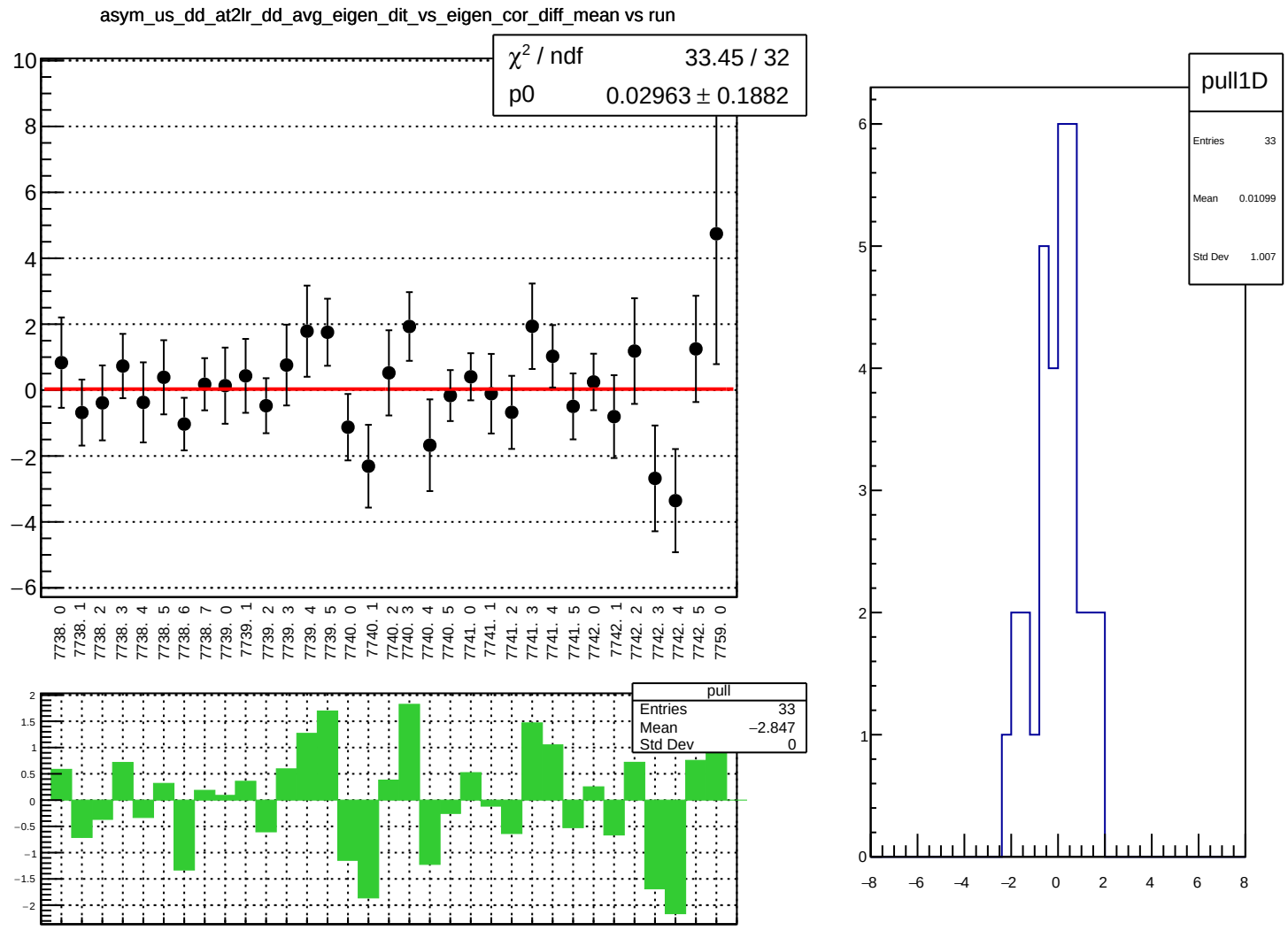

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 18.08 / 32
p0 2.078e−08 ± 8.778e−06
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 92.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

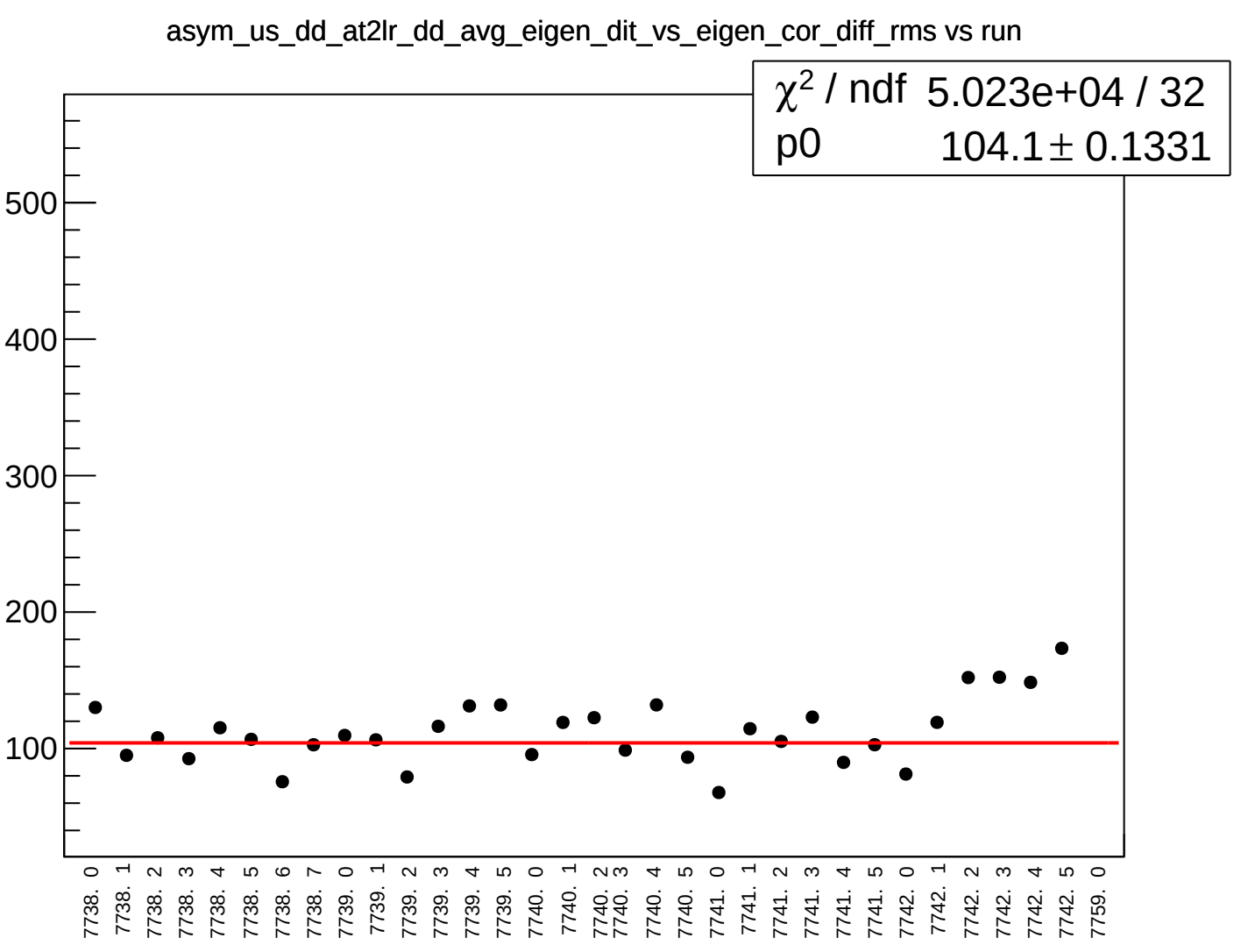

pull1D
Entries 33
Mean 0.04268
Std Dev 0.739
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

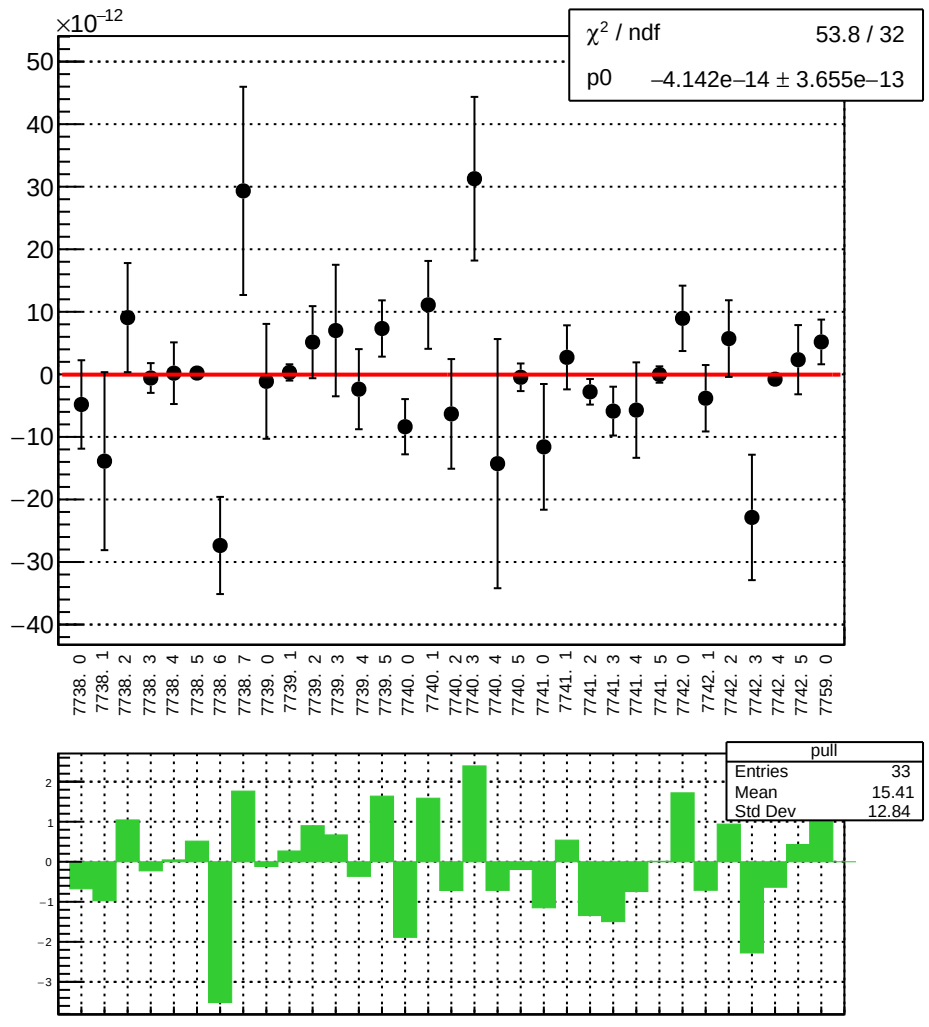

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.271e+04 / 32
p0 0.004966 ± 6.207e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

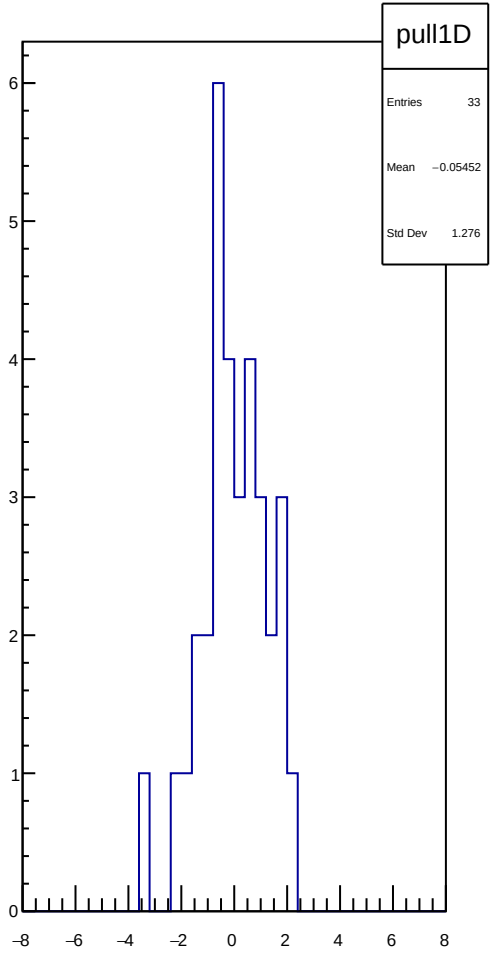

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.45 / 32
p0 0.02963 ± 0.1882
pull
Entries 33
Mean −2.847
Std Dev 0
pull1D
Entries 33
Mean 0.01099
Std Dev 1.007

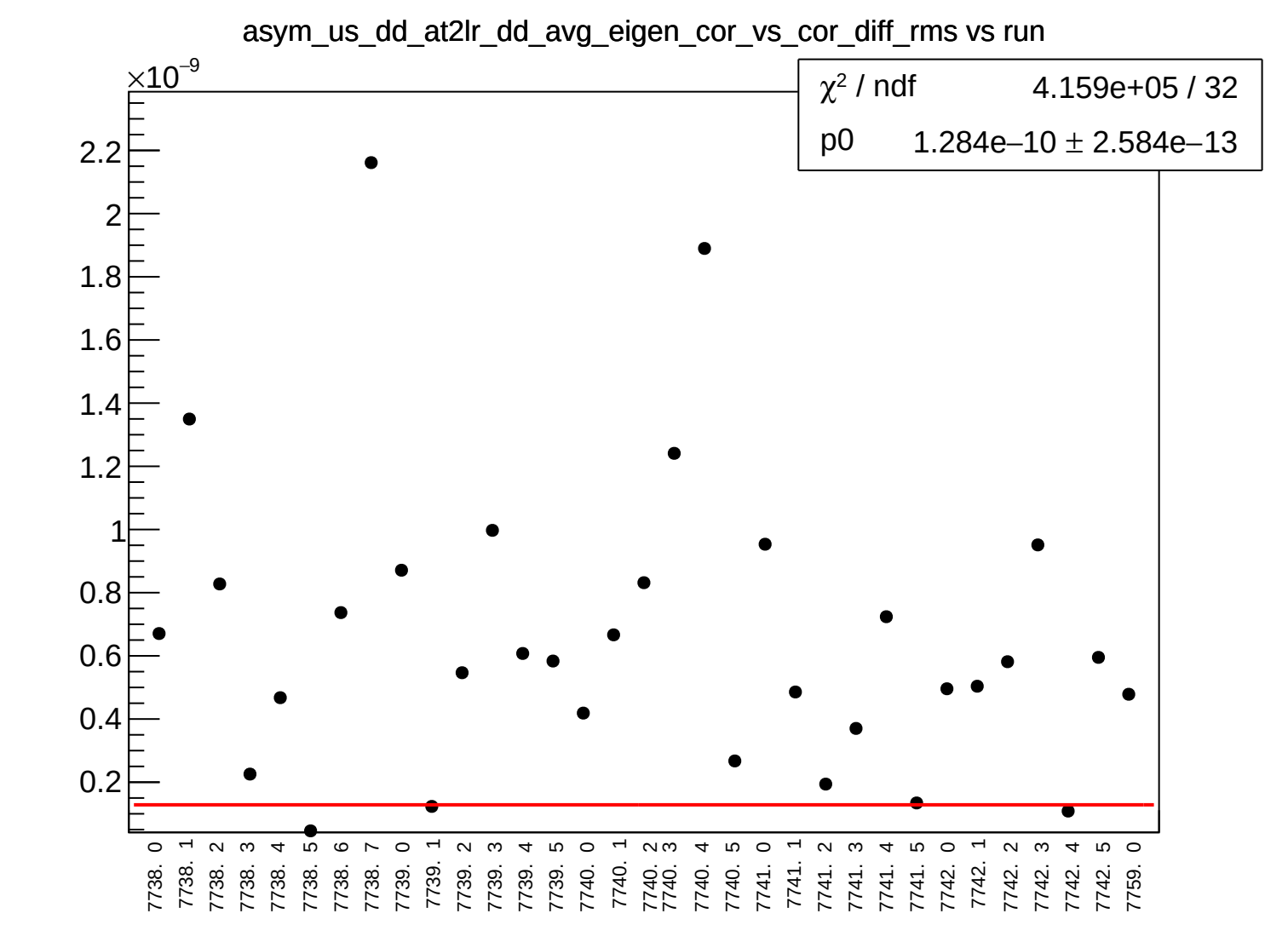

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.023e+04 / 32
p0 104.1 ± 0.1331
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

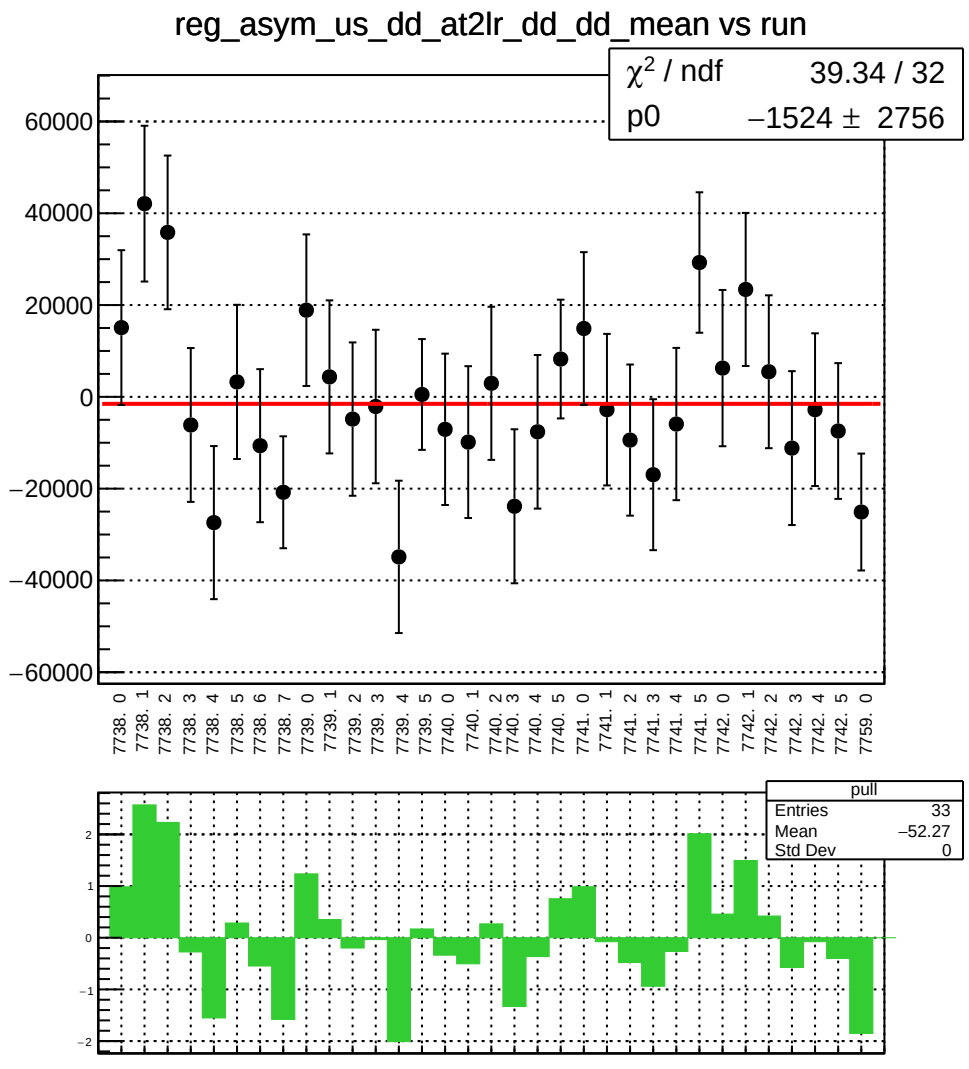

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.45 / 32
p0 0.02963 ± 0.1882
pull
Entries 33
Mean −2.847
Std Dev 0
pull1D
Entries 33
Mean 0.01099
Std Dev 1.007

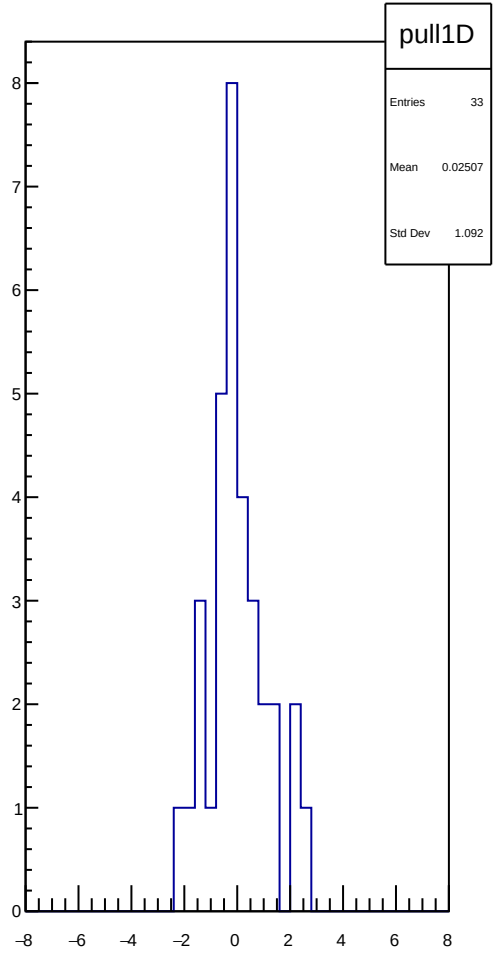

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.023e+04 / 32
p0 104.1 ± 0.1331
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

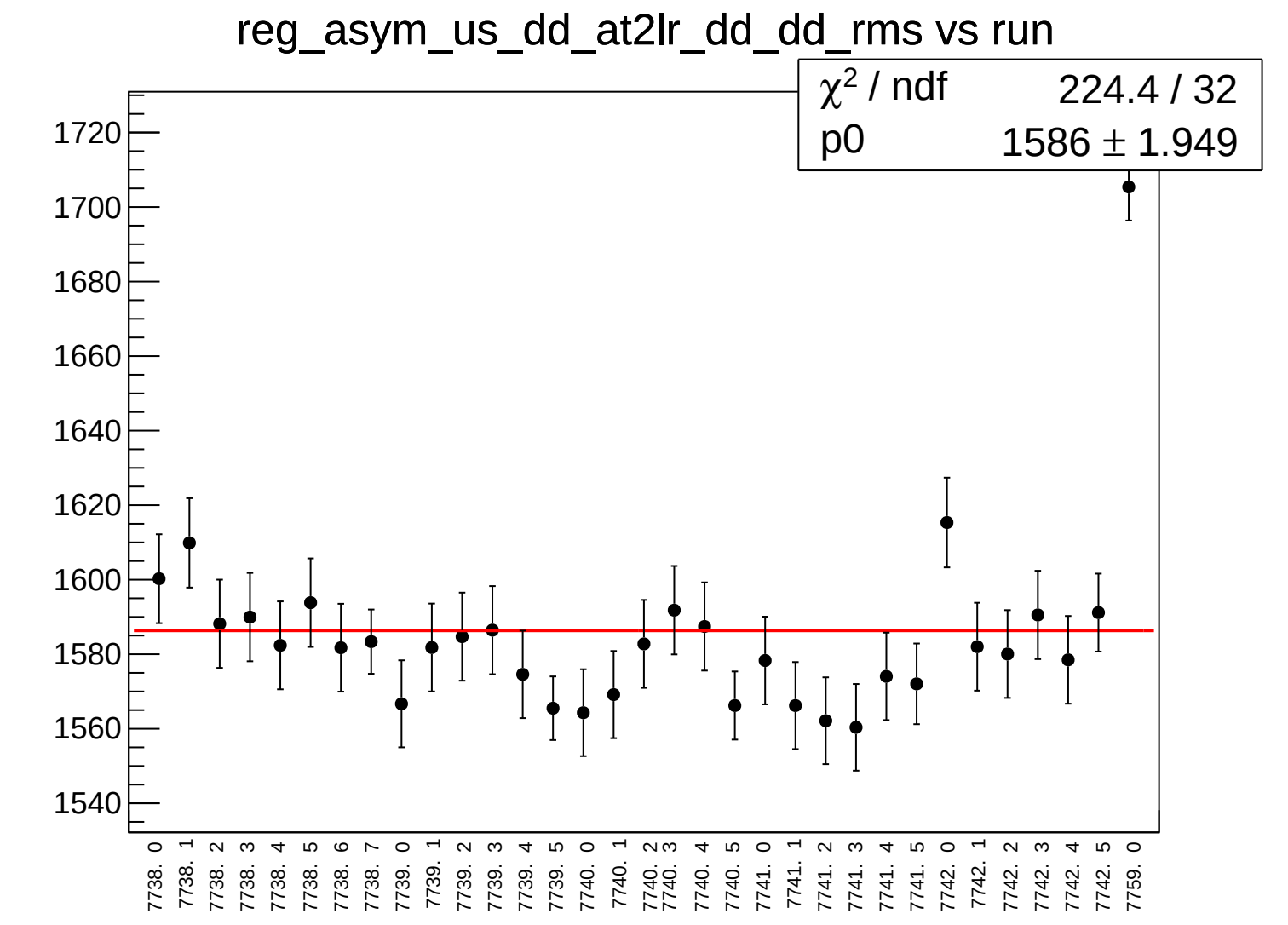

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.8 / 32
p0 −4.142e−14 ± 3.655e−13
50
40
30
20
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.41
Std Dev 12.84
2
1
0
−1
−2
−3

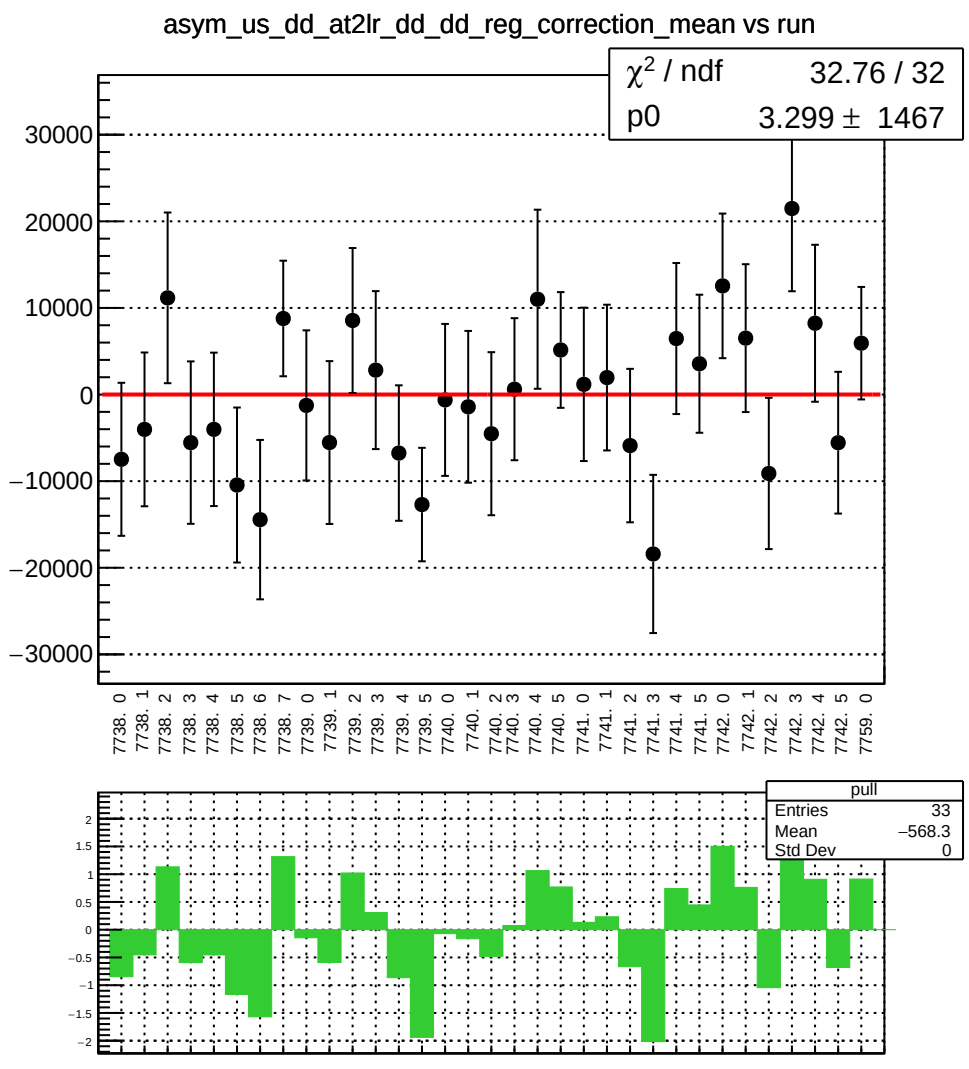

pull1D
Entries 33
Mean −0.05452
Std Dev 1.276
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

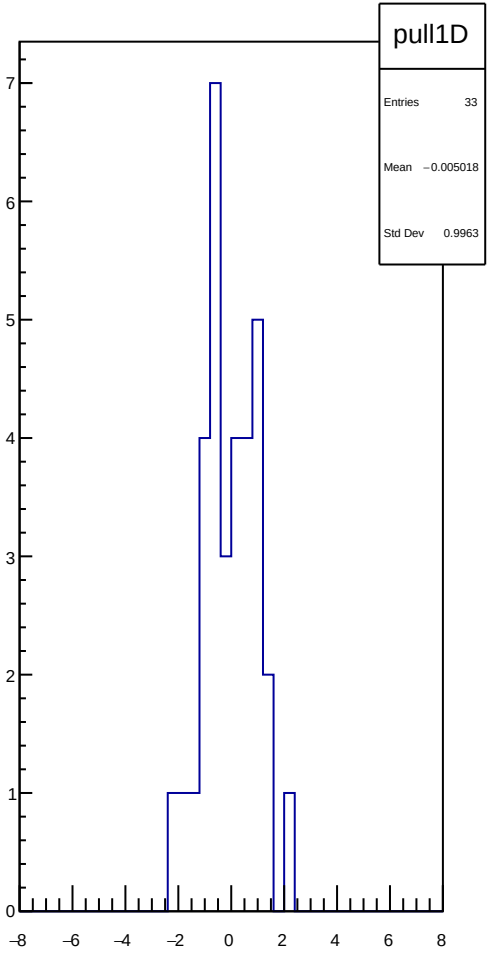

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.159e+05 / 32
p0 1.284e−10 ± 2.584e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

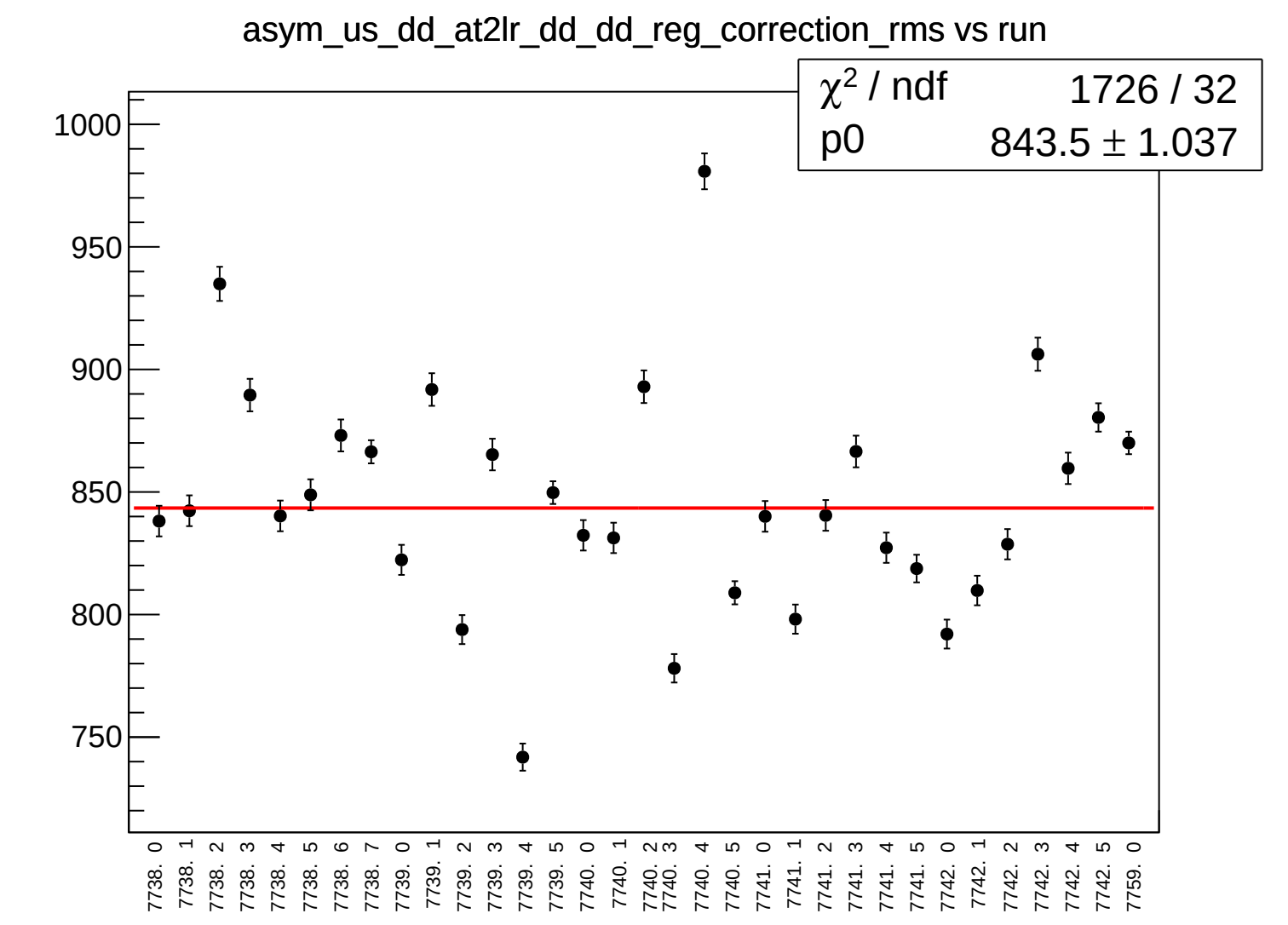

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.34 / 32
p0 −1524 ± 2756
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −52.27
Std Dev 0
2
1
0
−1
−2

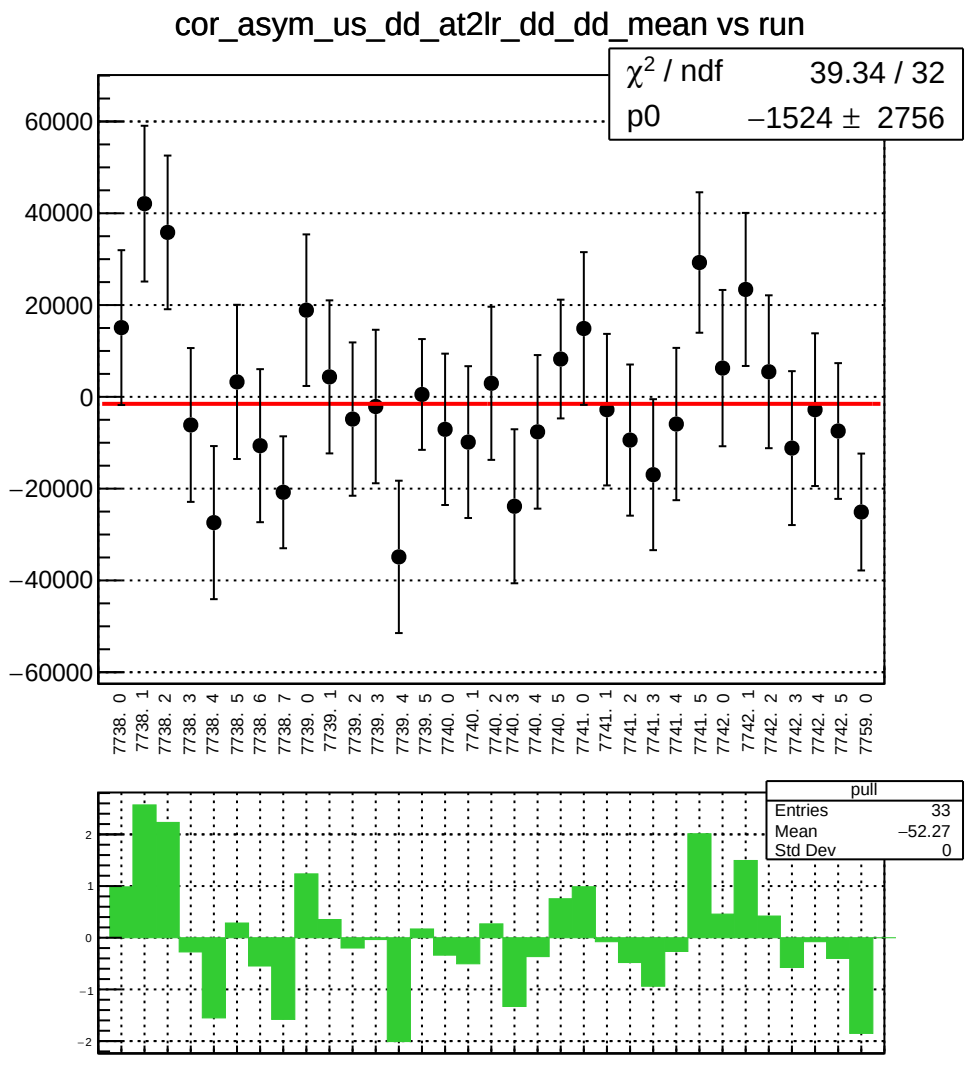

pull1D
Entries 33
Mean 0.02507
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

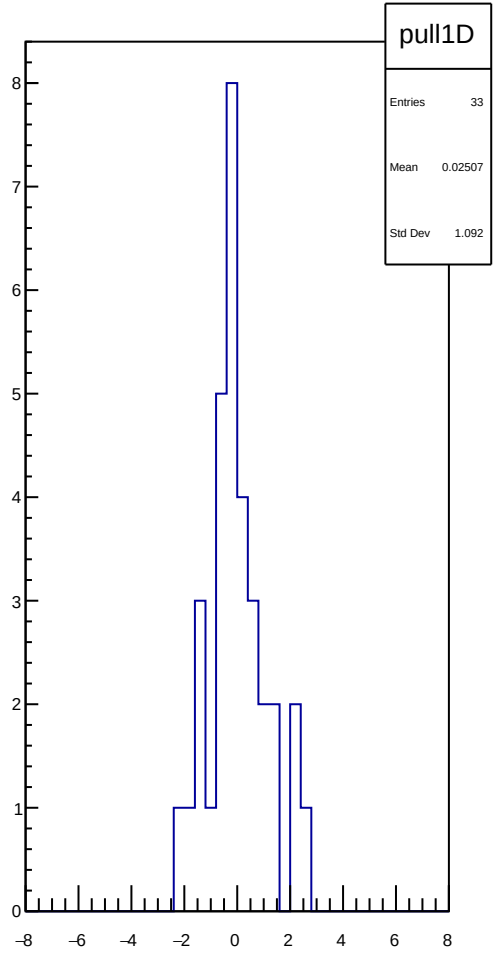

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 224.4 / 32
p0 1586 ± 1.949
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

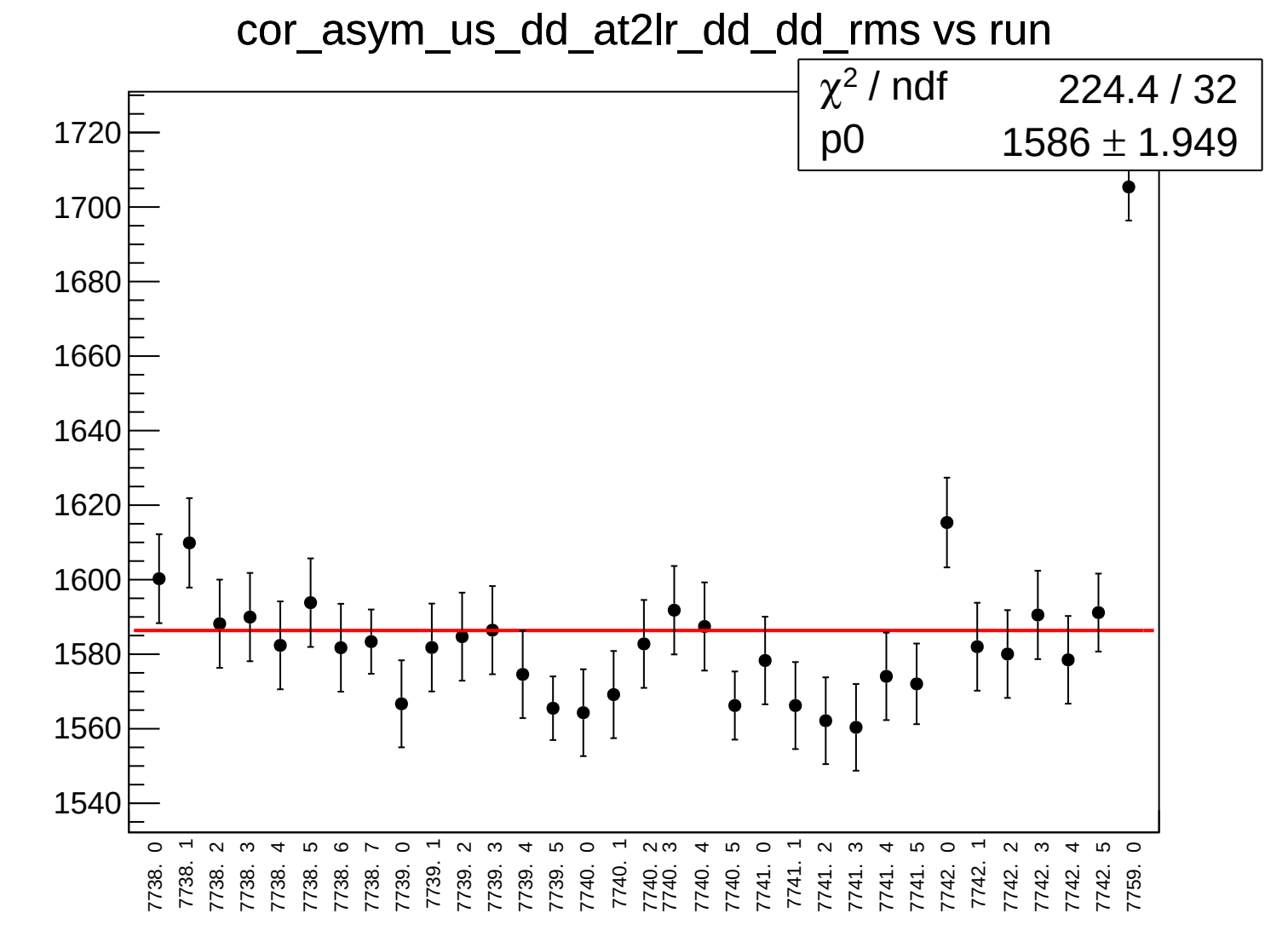

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 32.76 / 32
p0 3.299 ± 1467
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −568.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

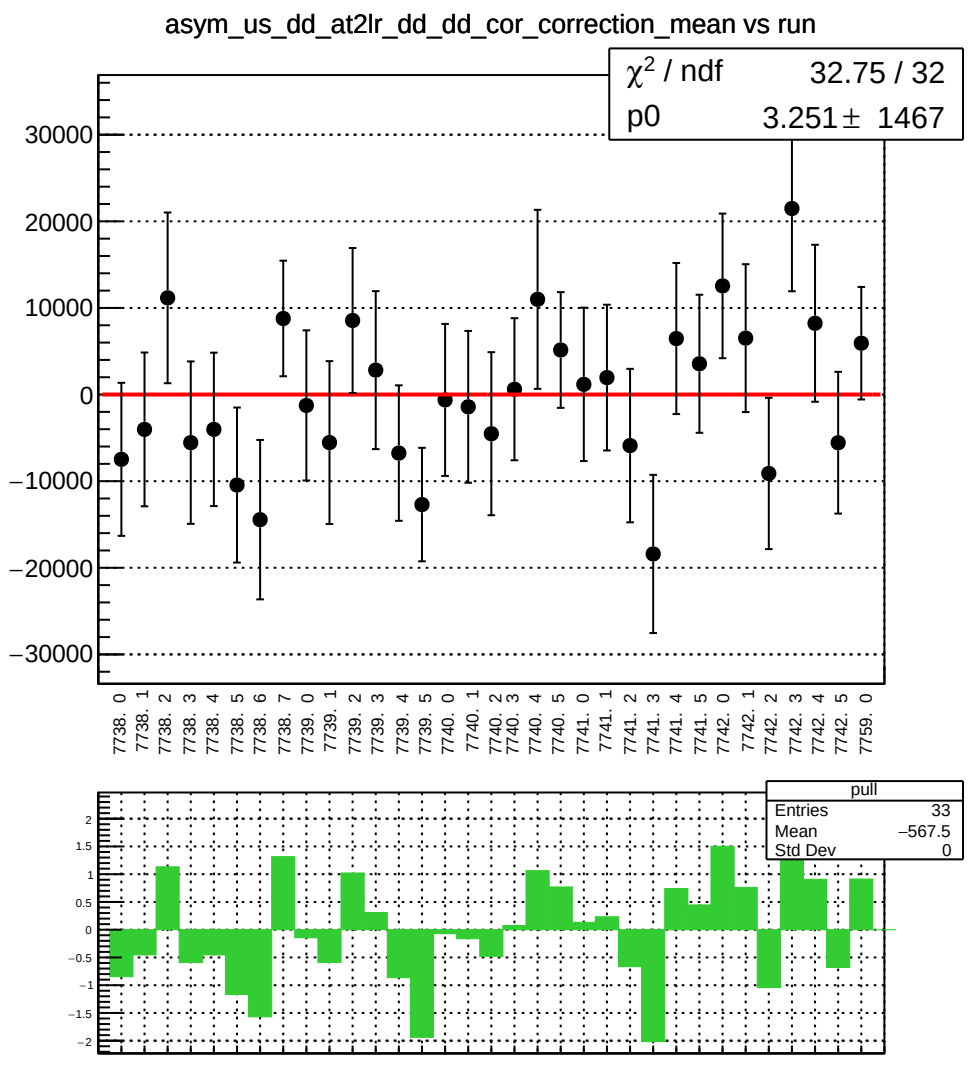

pull1D
Entries 33
Mean −0.005018
Std Dev 0.9963
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

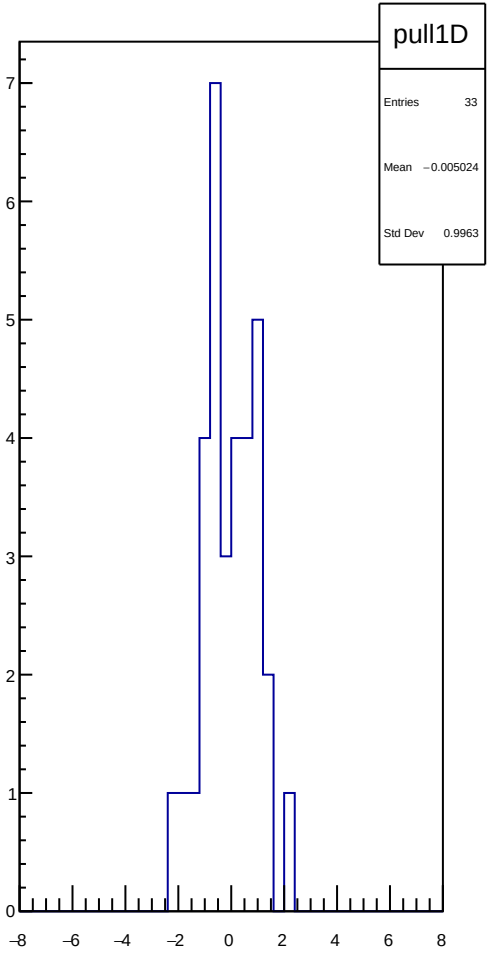

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1726 / 32
p0 843.5 ± 1.037
1000
950
900
850
800
750
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

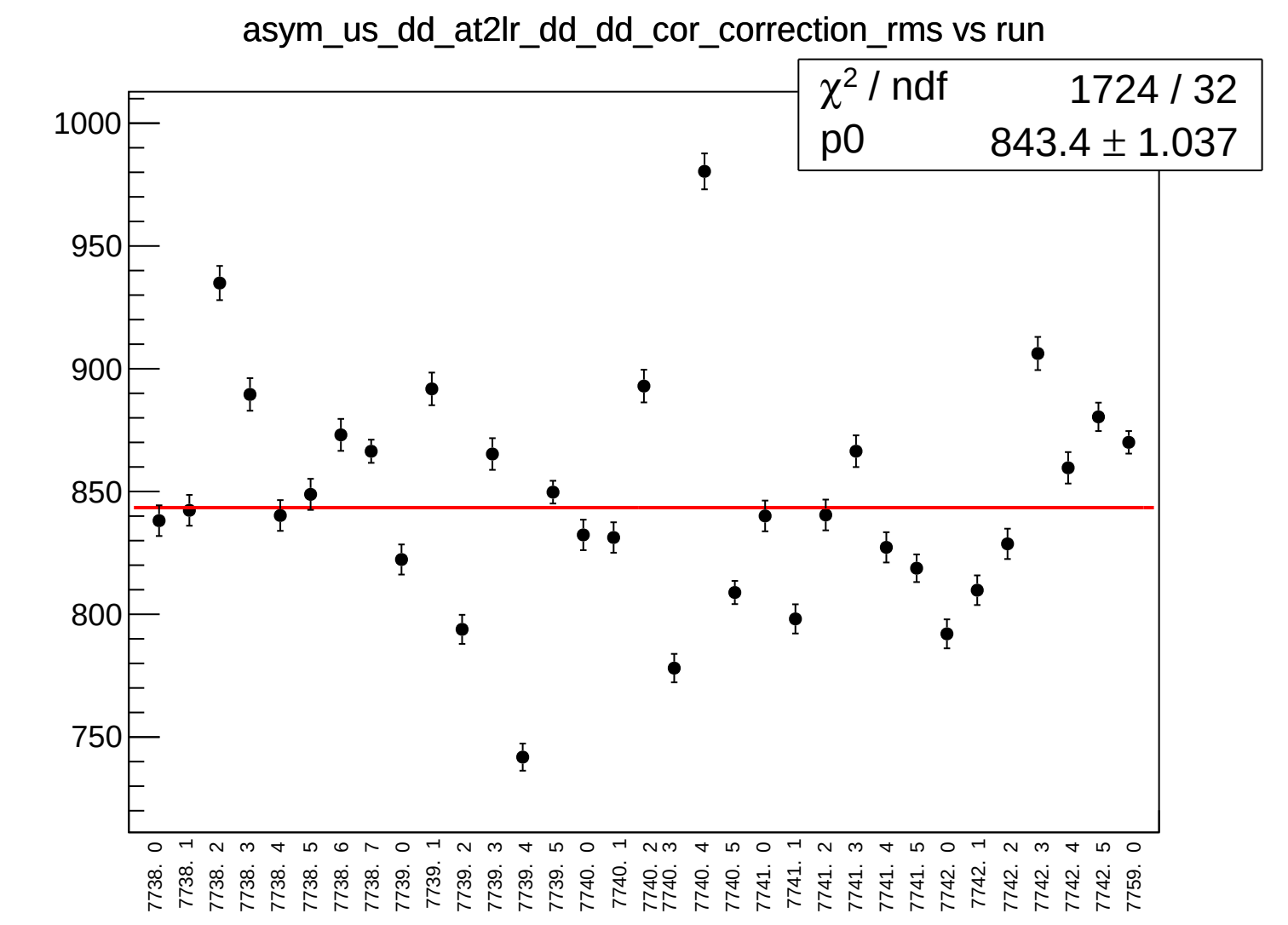

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.34 / 32
p0 −1524 ± 2756
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −52.27
Std Dev 0
2
1
0
−1
−2

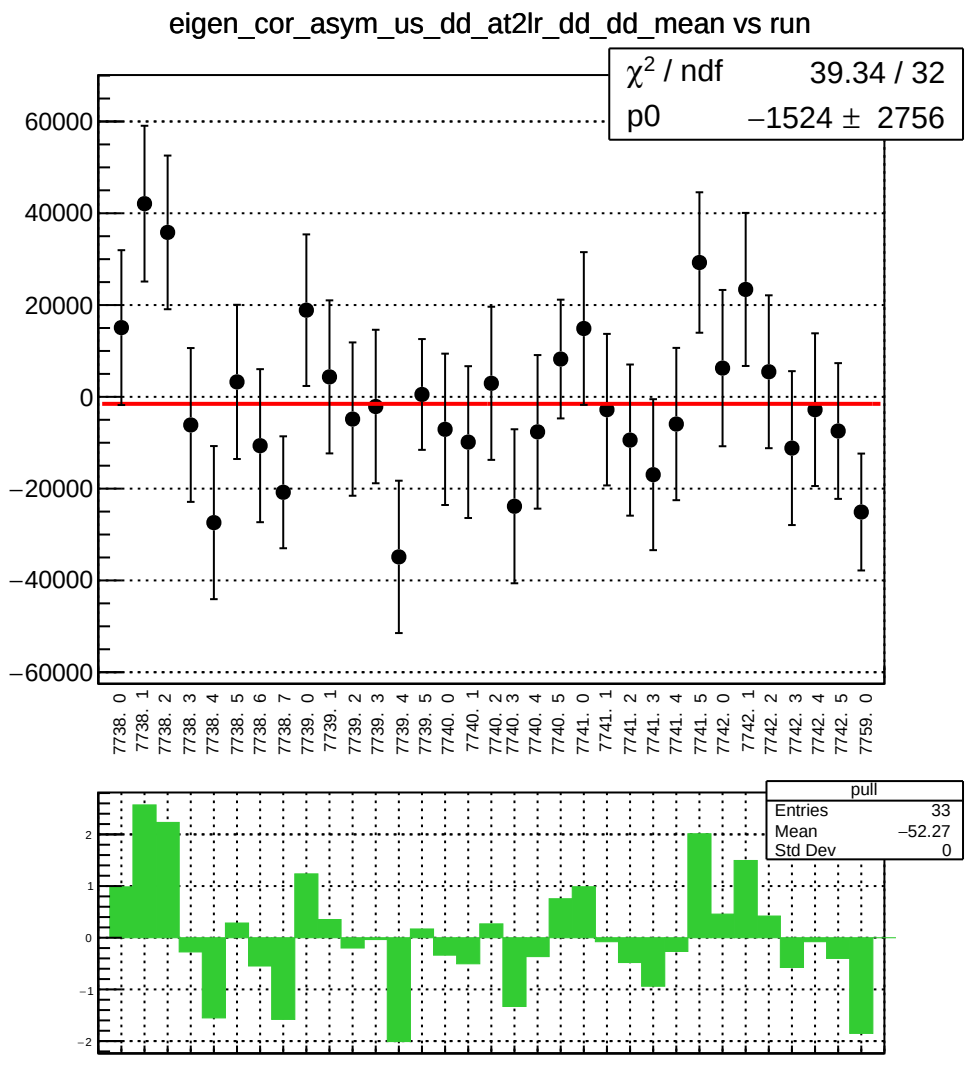

pull1D
Entries 33
Mean 0.02507
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

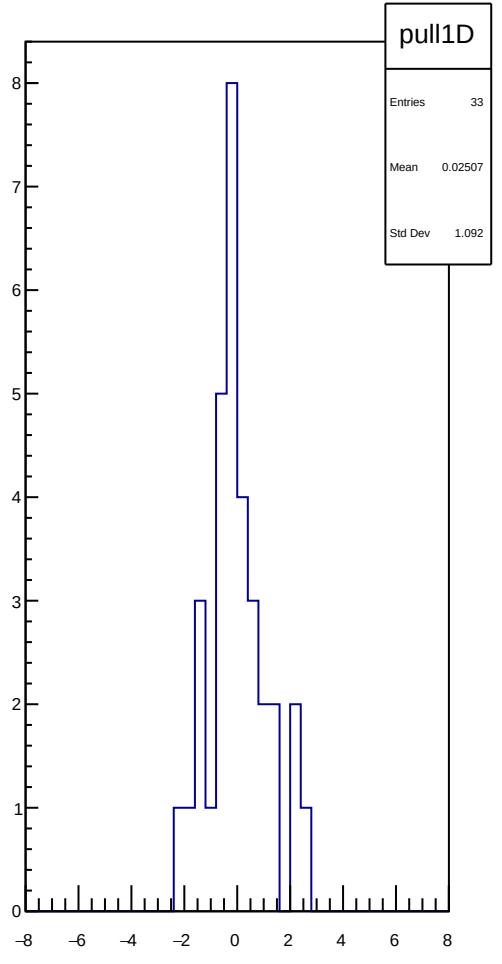

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 224.4 / 32
p0 1586 ± 1.949
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

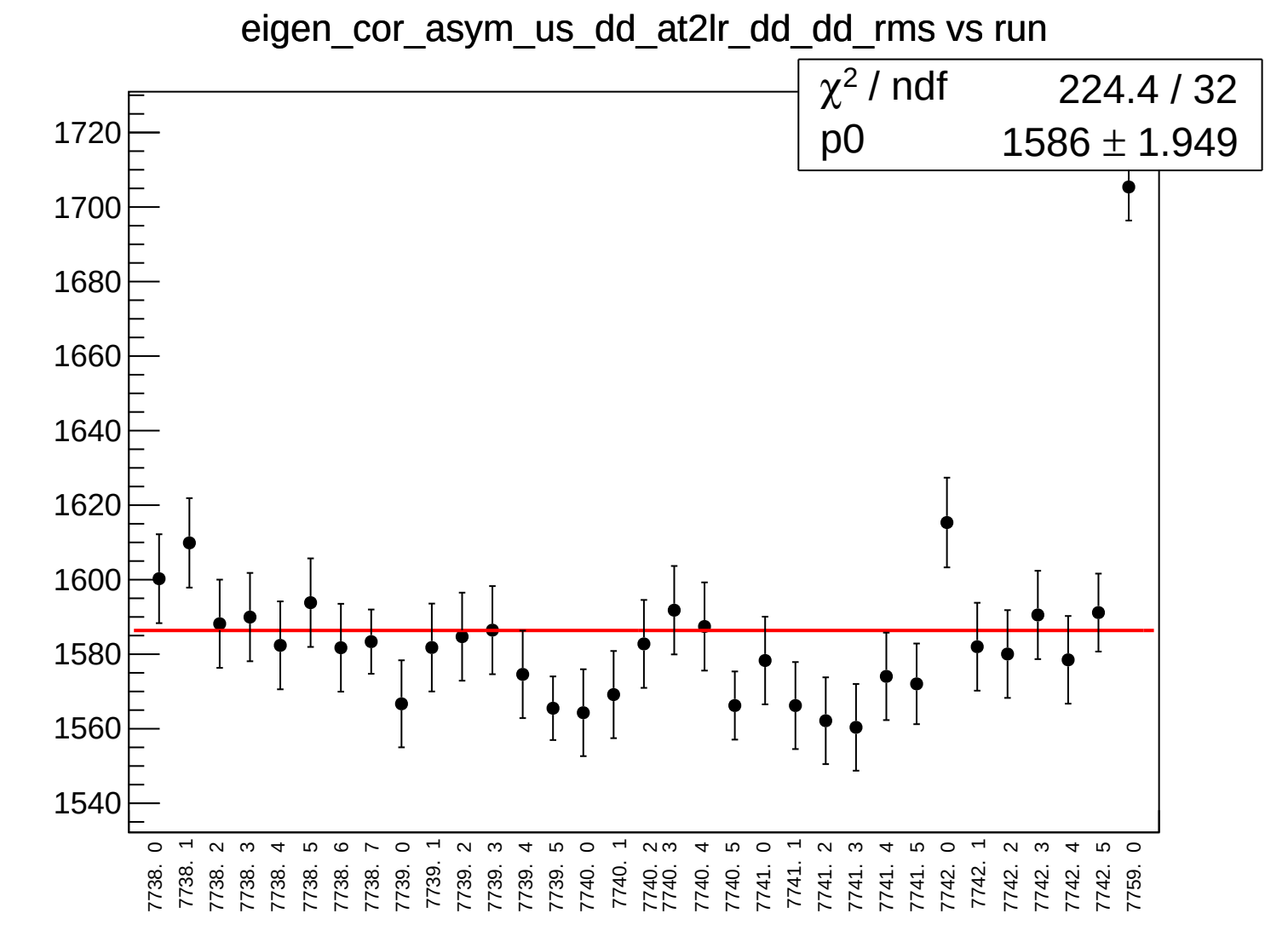

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 32.75 / 32
p0 3.251 ± 1467
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −567.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

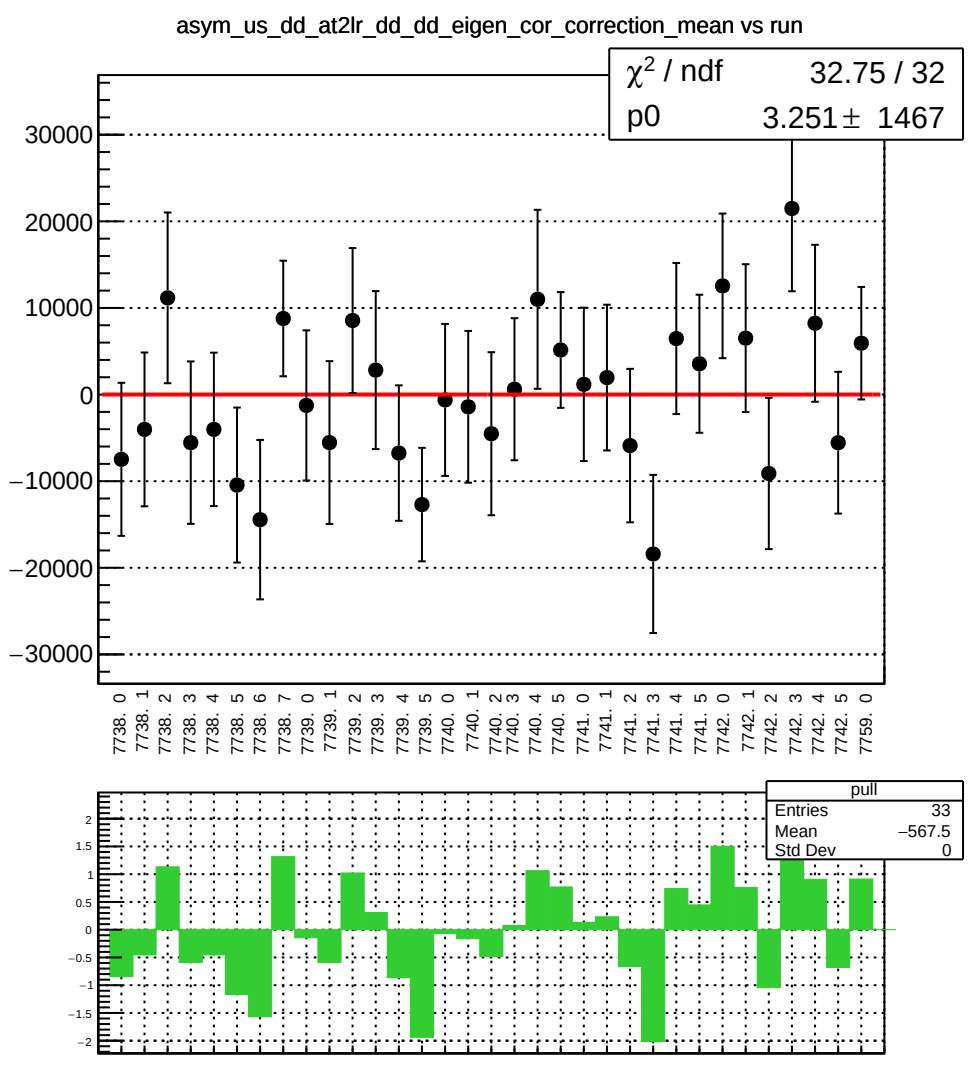

pull1D
Entries 33
Mean −0.005024
Std Dev 0.9963
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

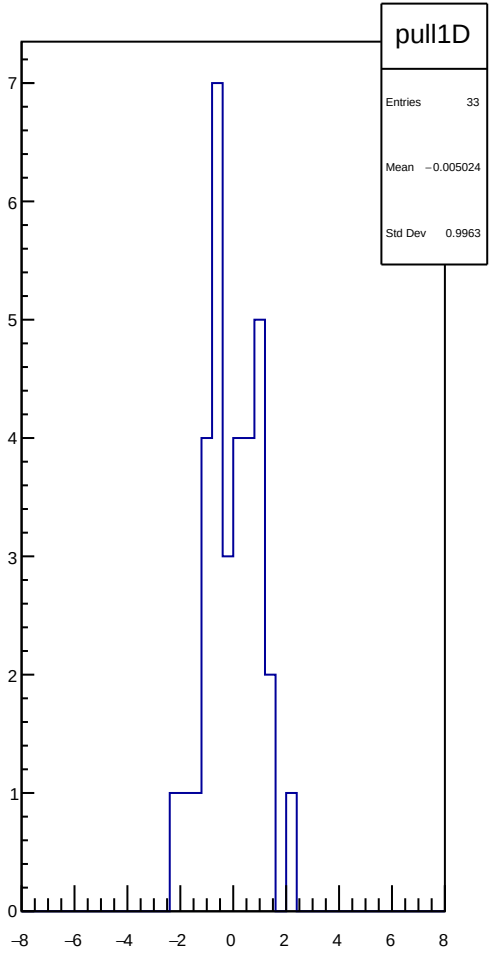

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1724 / 32
p0 843.4 ± 1.037
1000
950
900
850
800
750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

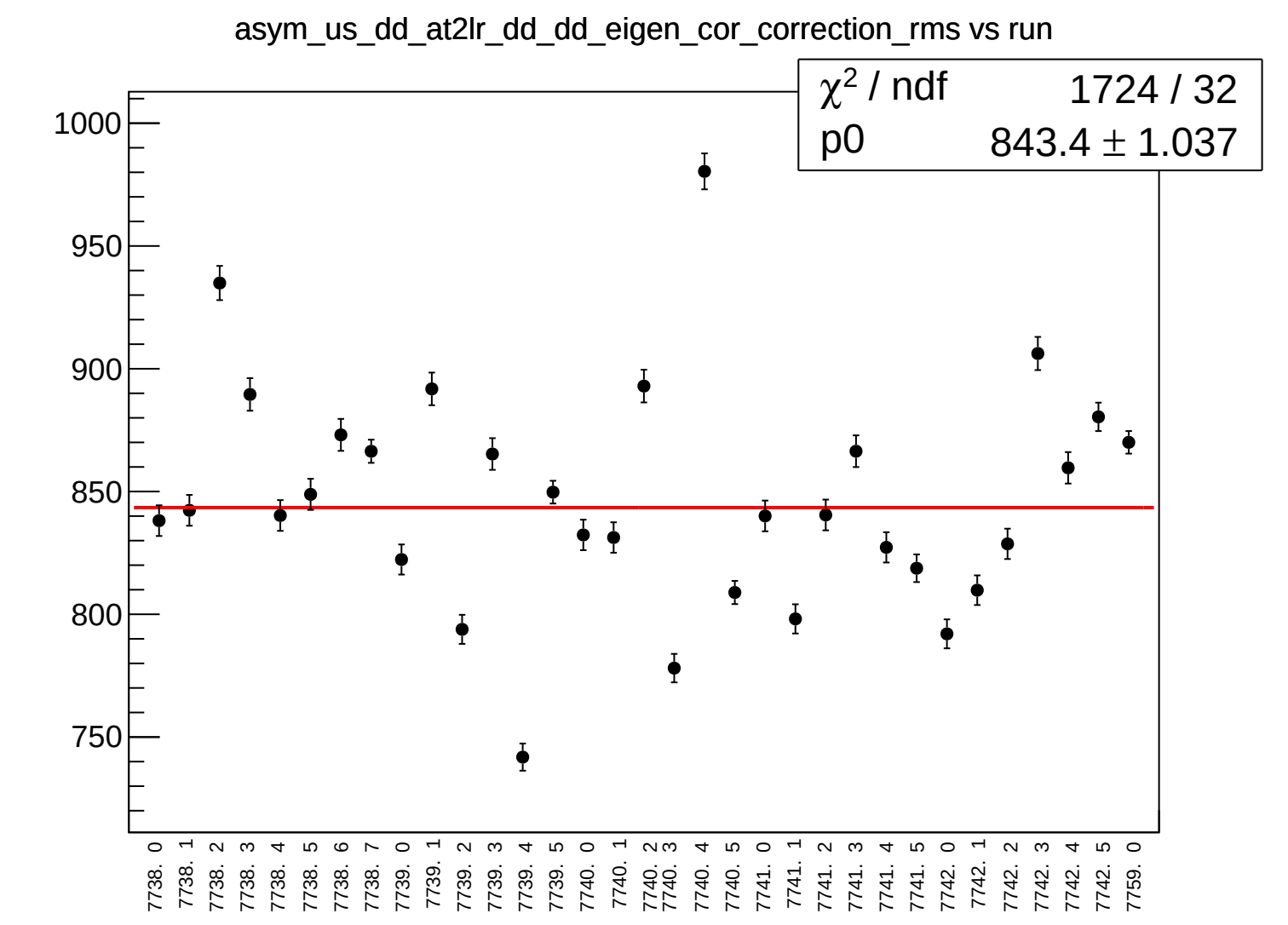

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 39.34 / 32
p0 −1524 ± 2756
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −52.27
Std Dev 0
2
1
0
−1
−2

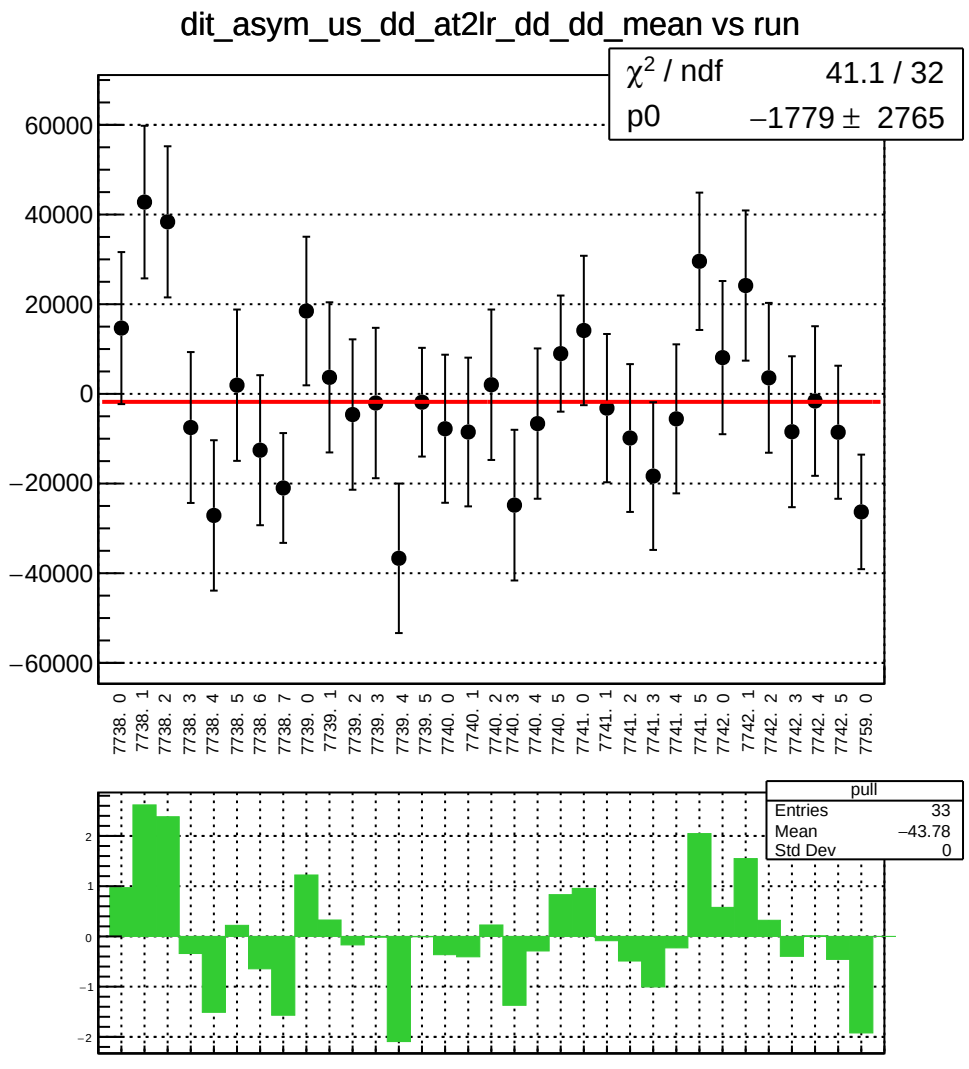

pull1D
Entries 33
Mean 0.02507
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

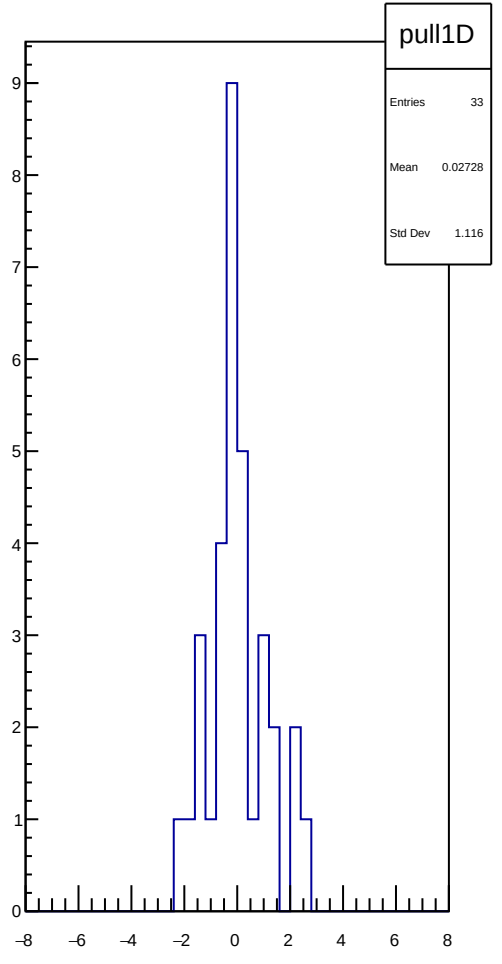

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 224.4 / 32
p0 1586 ± 1.949
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

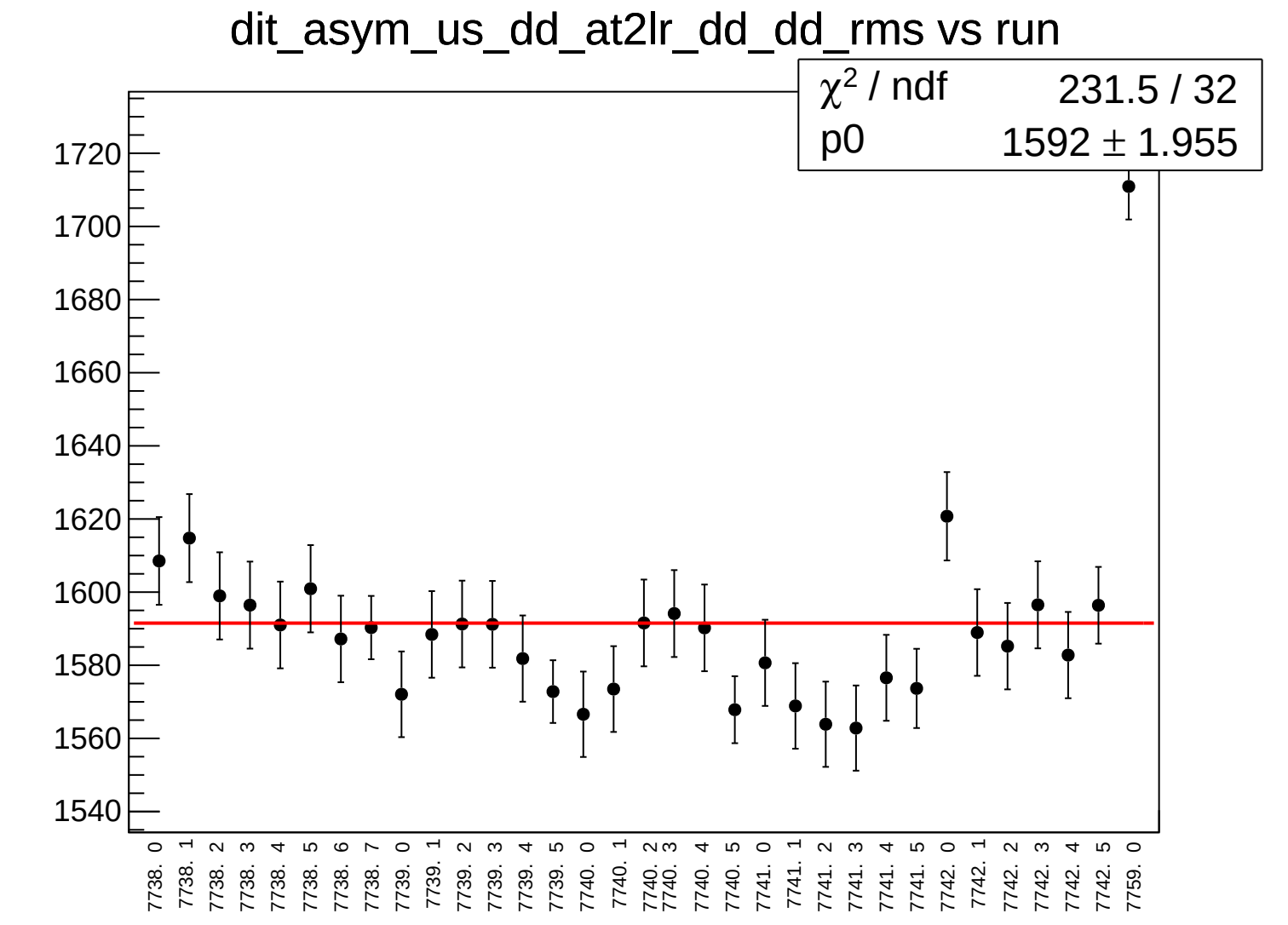

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 32.75 / 32
p0 3.251 ± 1467
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −567.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

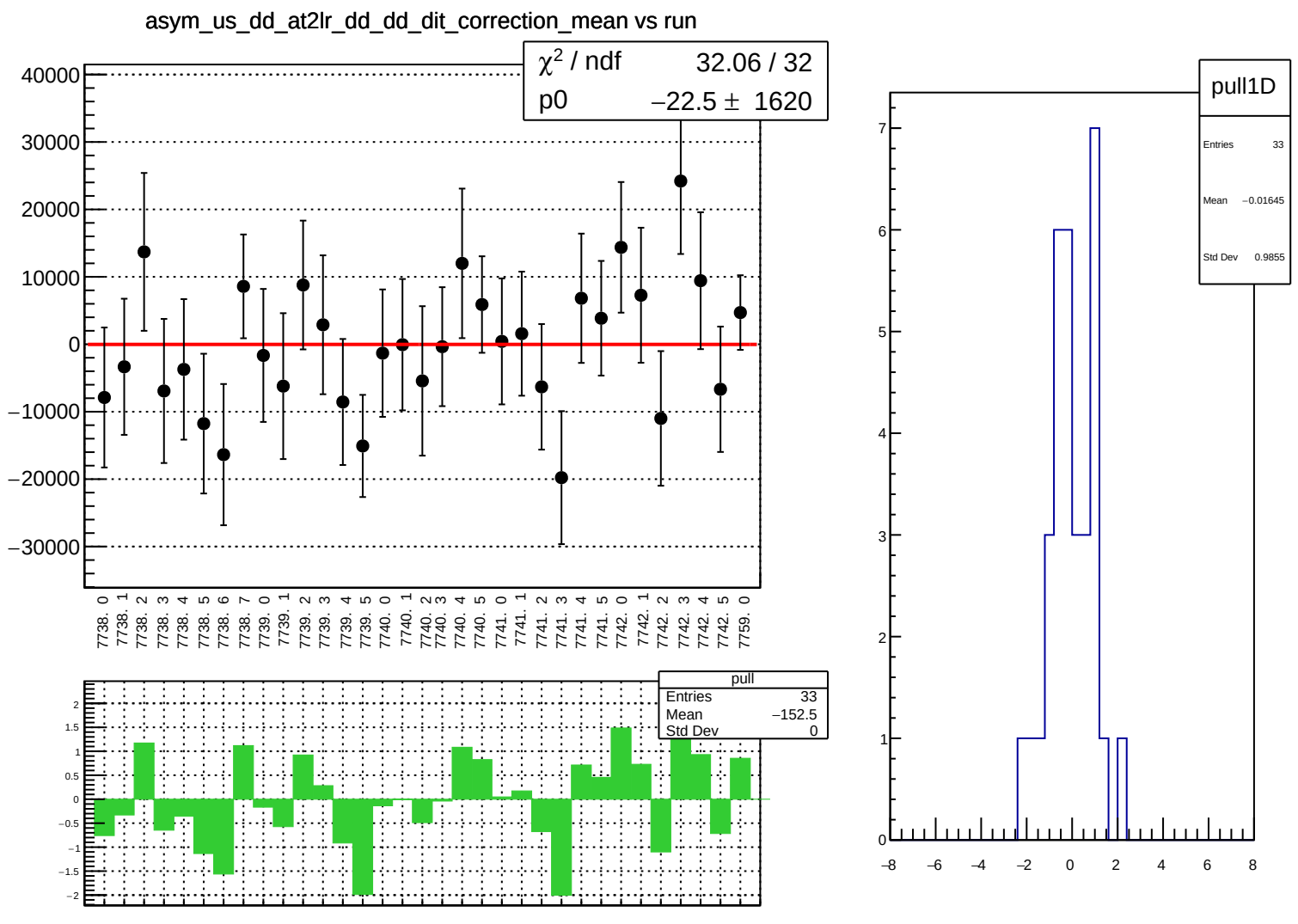

pull1D
Entries 33
Mean −0.005024
Std Dev 0.9963
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

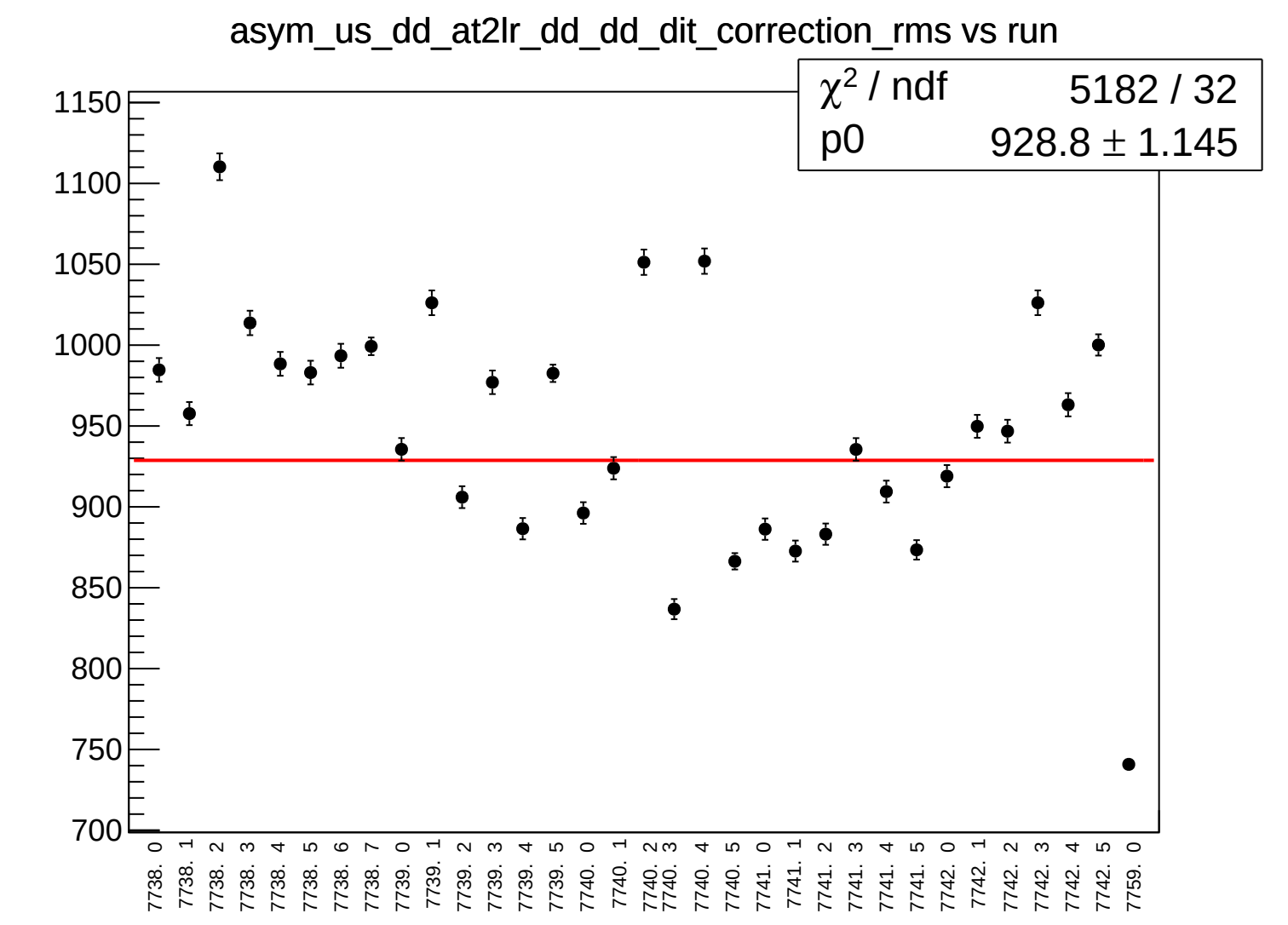

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1724 / 32
p0 843.4 ± 1.037
1000
950
900
850
800
750
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

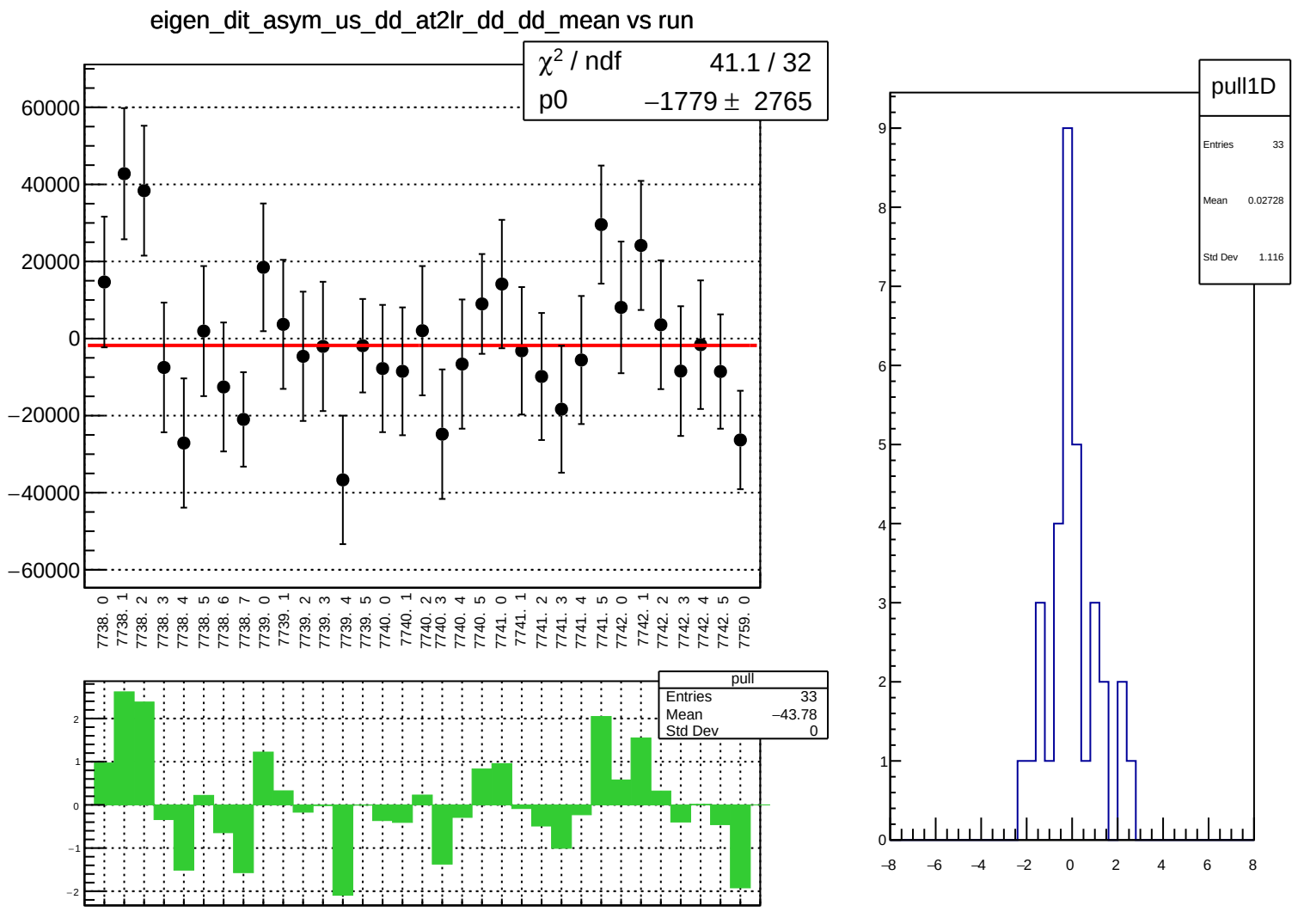

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 41.1 / 32
p0 −1779 ± 2765
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −43.78
Std Dev 0
2
1
0
−1
−2

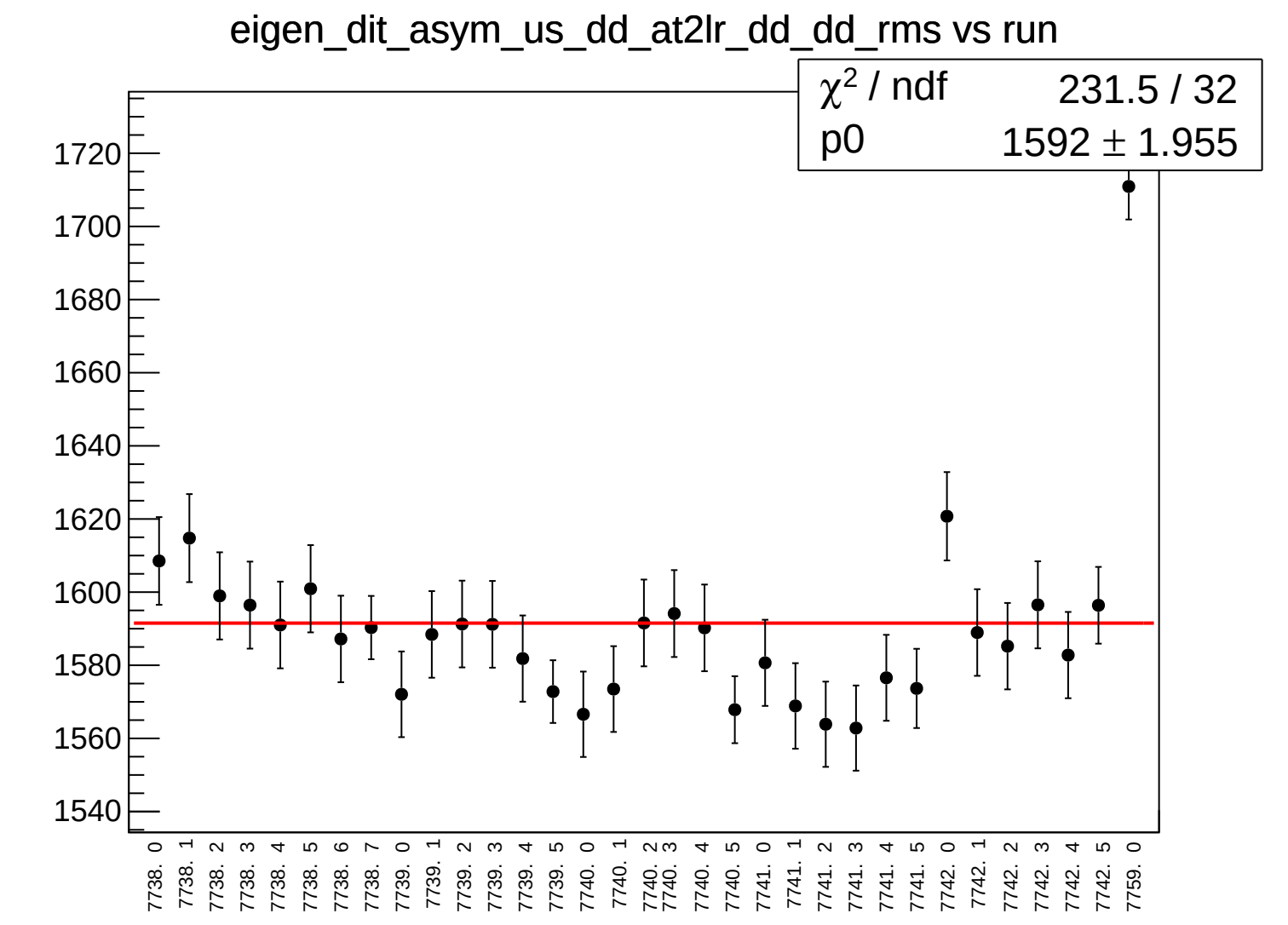

pull1D
Entries 33
Mean 0.02728
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

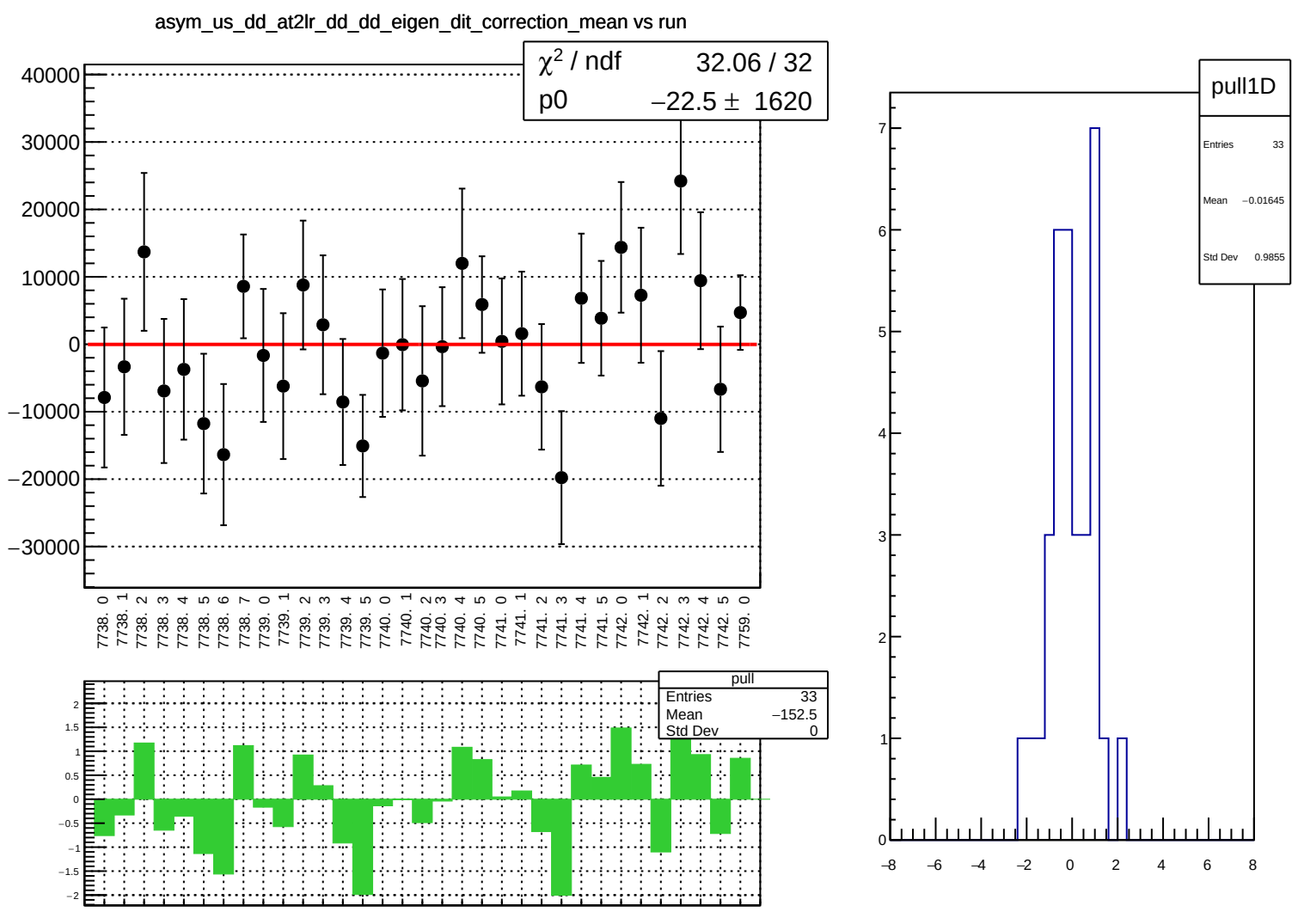

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 231.5 / 32
p0 1592 ± 1.955
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

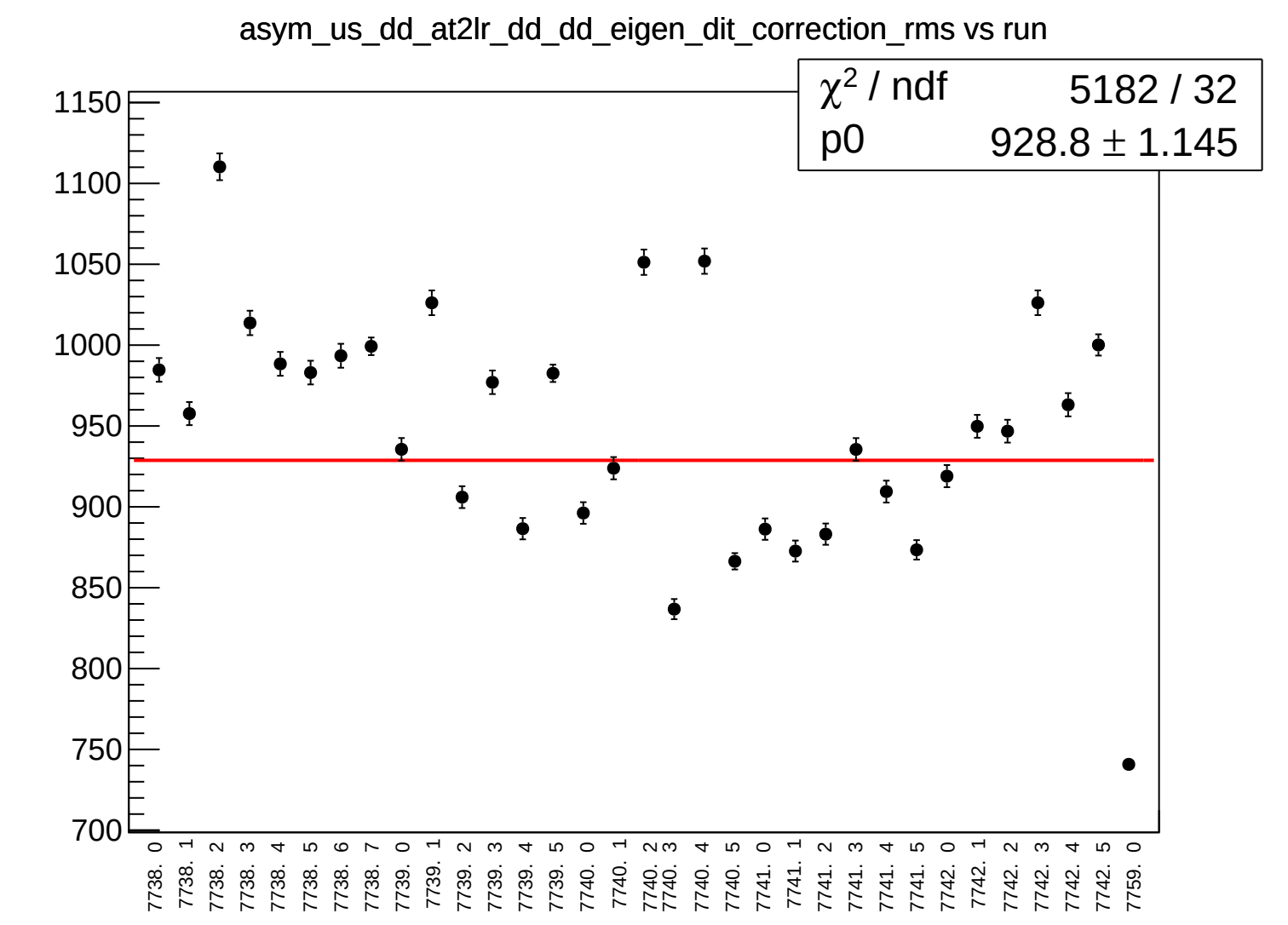

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 32.06 / 32
p0 −22.5 ± 1620
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01645
Std Dev 0.9855
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

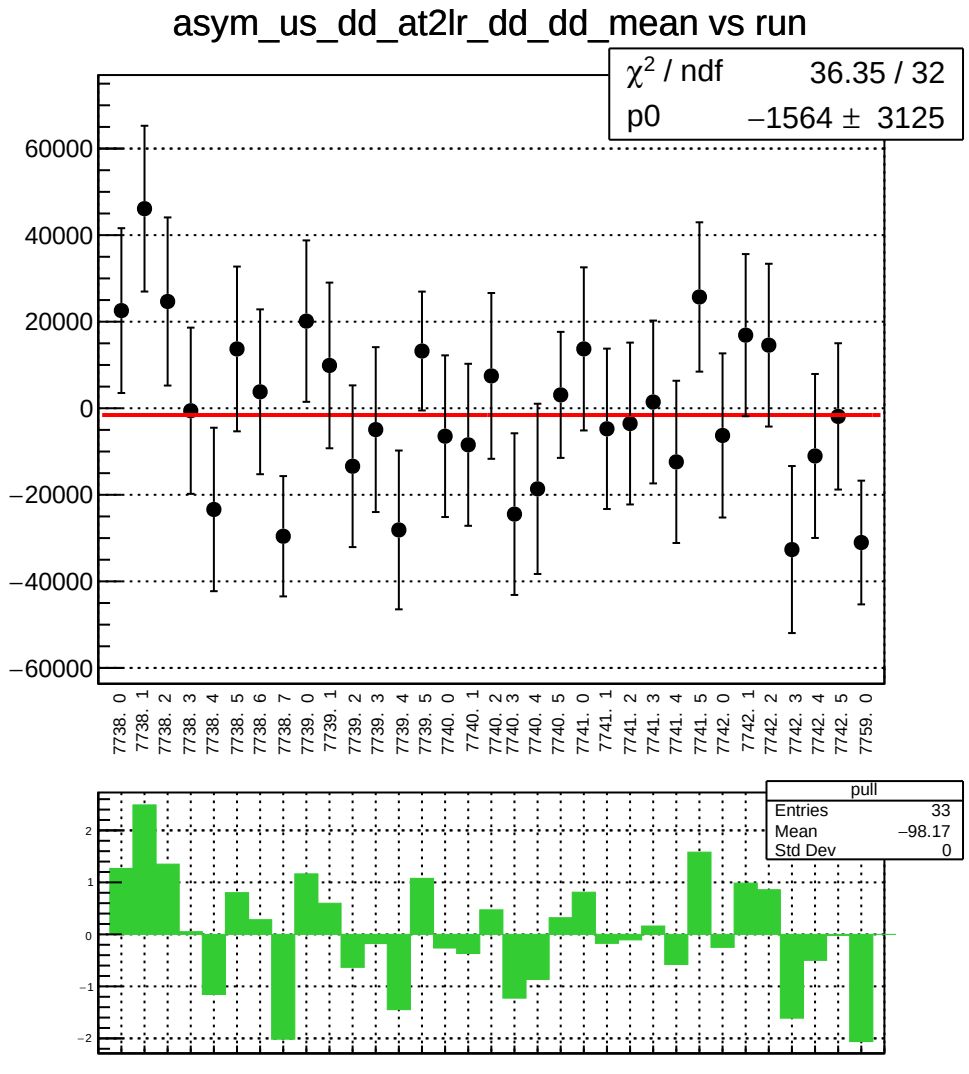

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 5182 / 32
p0 928.8 ± 1.145
1150
1100
1050
1000
950
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

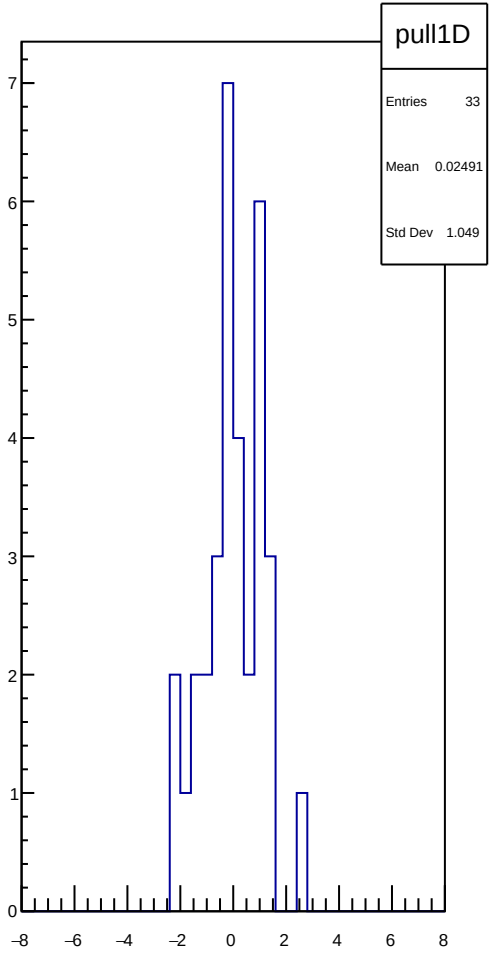

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 41.1 / 32
p0 −1779 ± 2765
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −43.78
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.02728
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

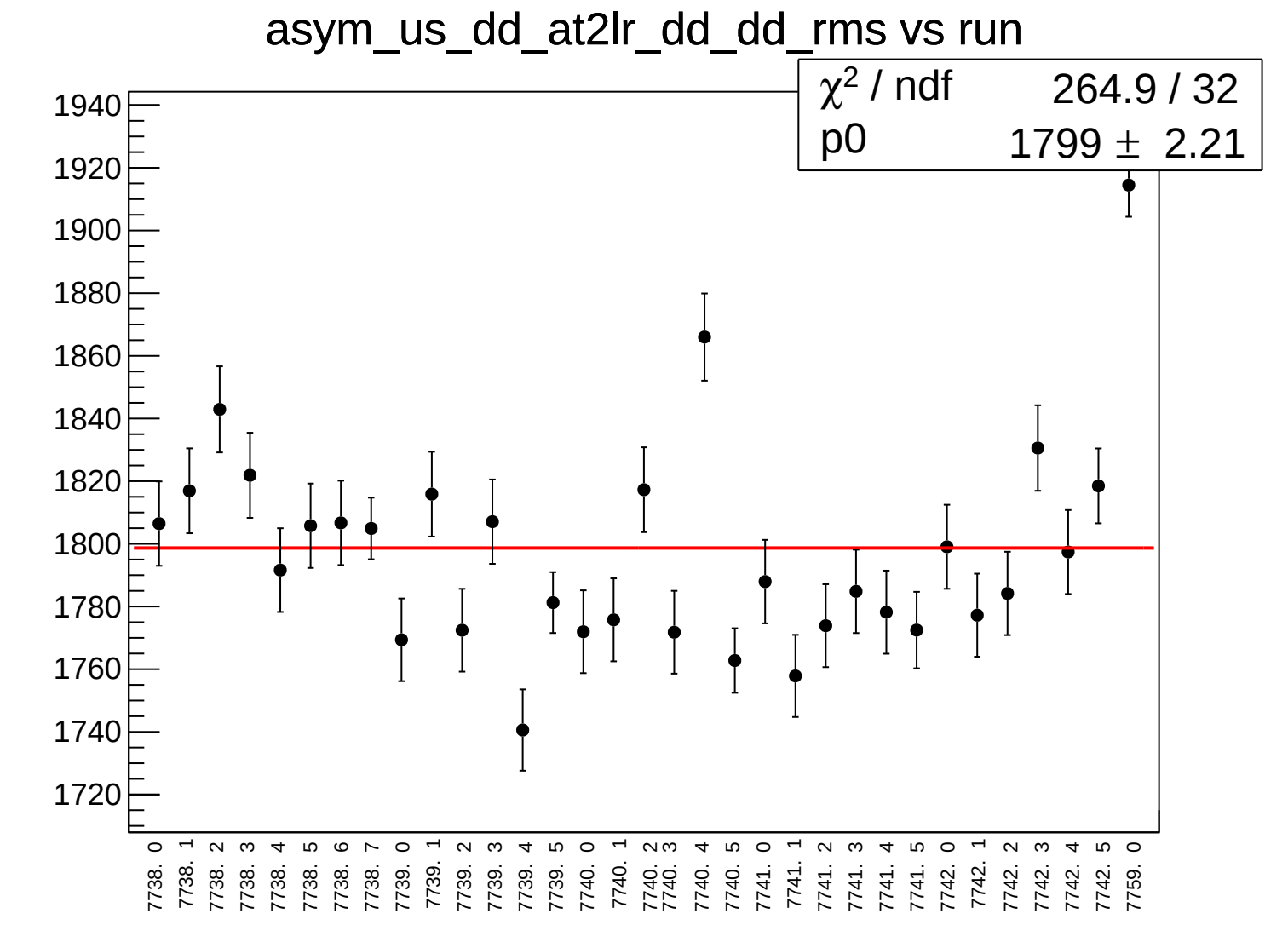

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 231.5 / 32
p0 1592 ± 1.955
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

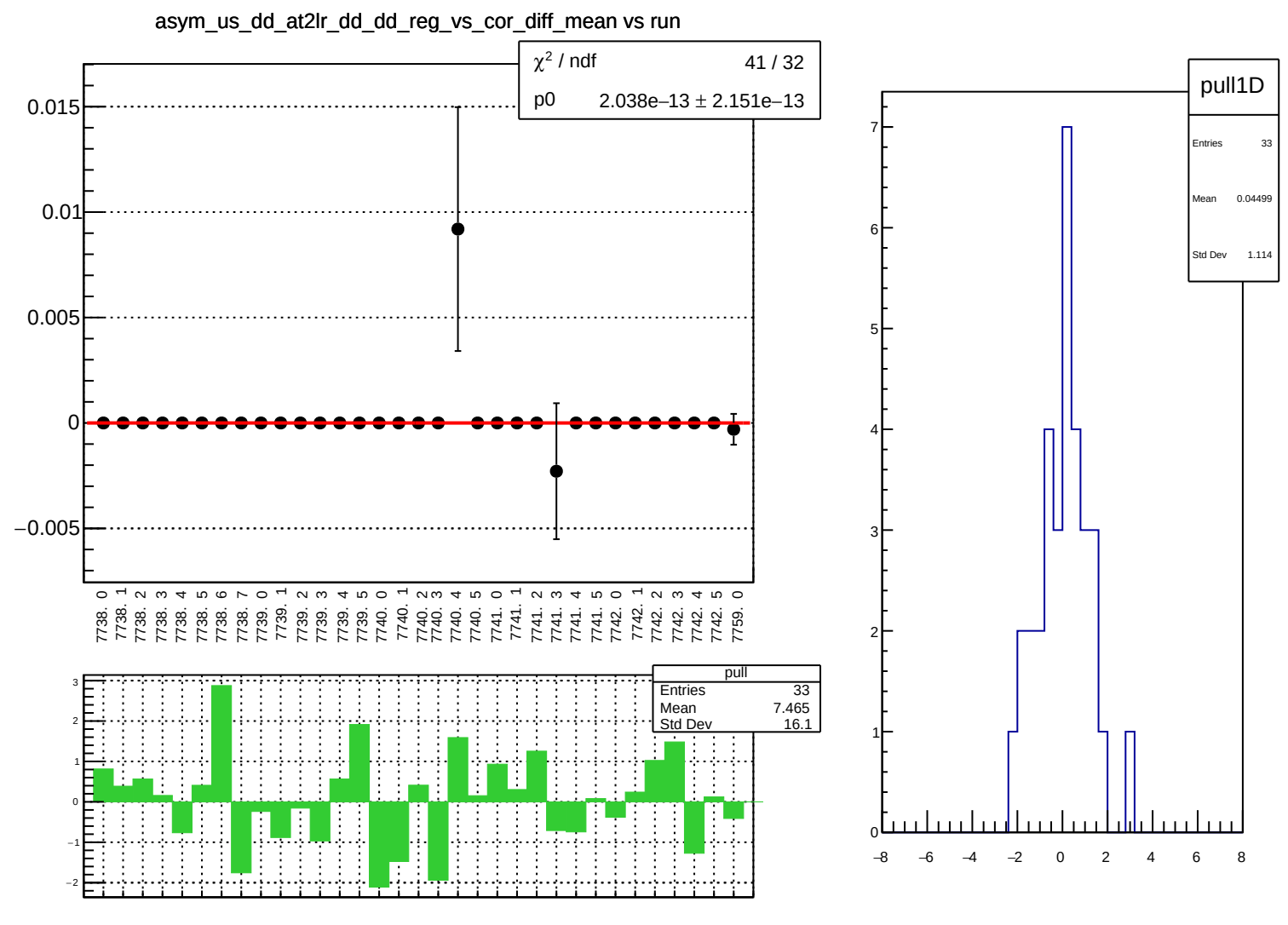

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 32.06 / 32
p0 −22.5 ± 1620
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01645
Std Dev 0.9855
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

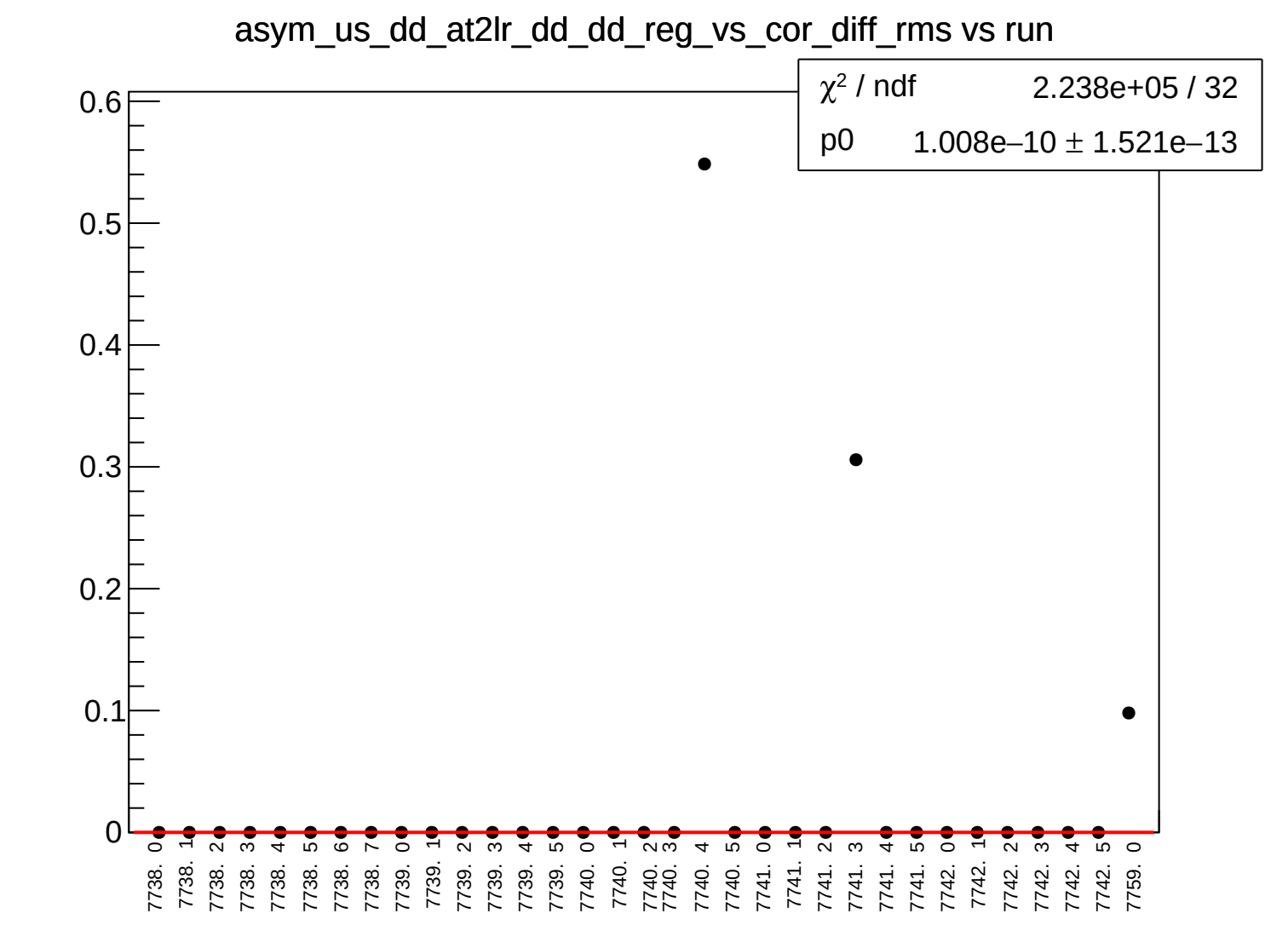

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 5182 / 32
p0 928.8 ± 1.145
1150
1100
1050
1000
950
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

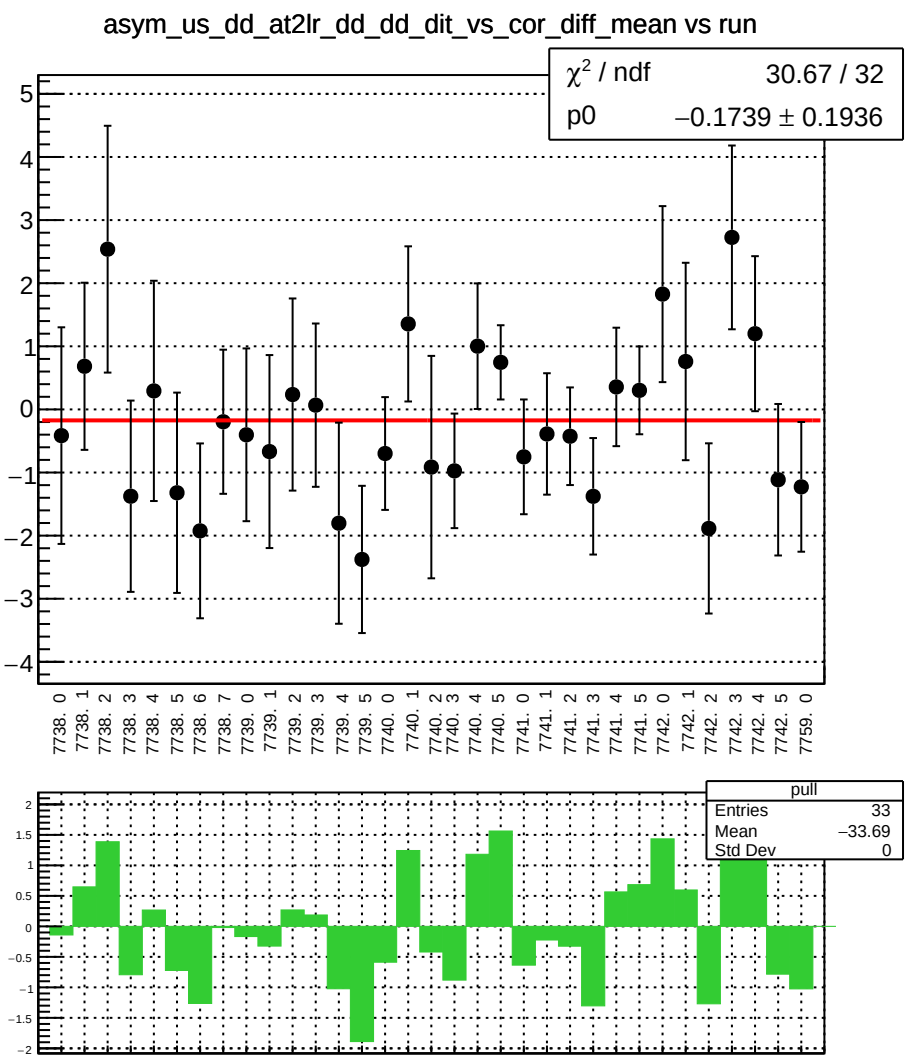

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 36.35 / 32
p0 −1564 ± 3125
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −98.17
Std Dev 0
2
1
0
−1
−2

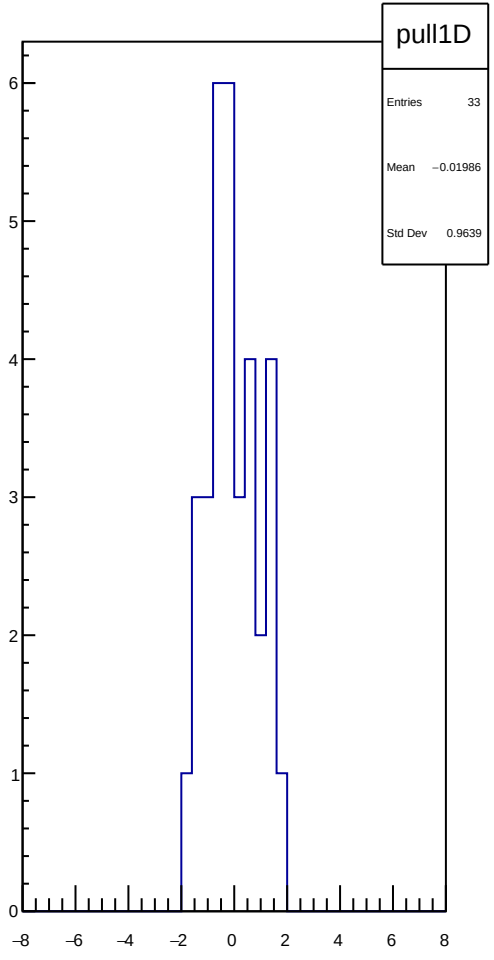

pull1D
Entries 33
Mean 0.02491
Std Dev 1.049
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

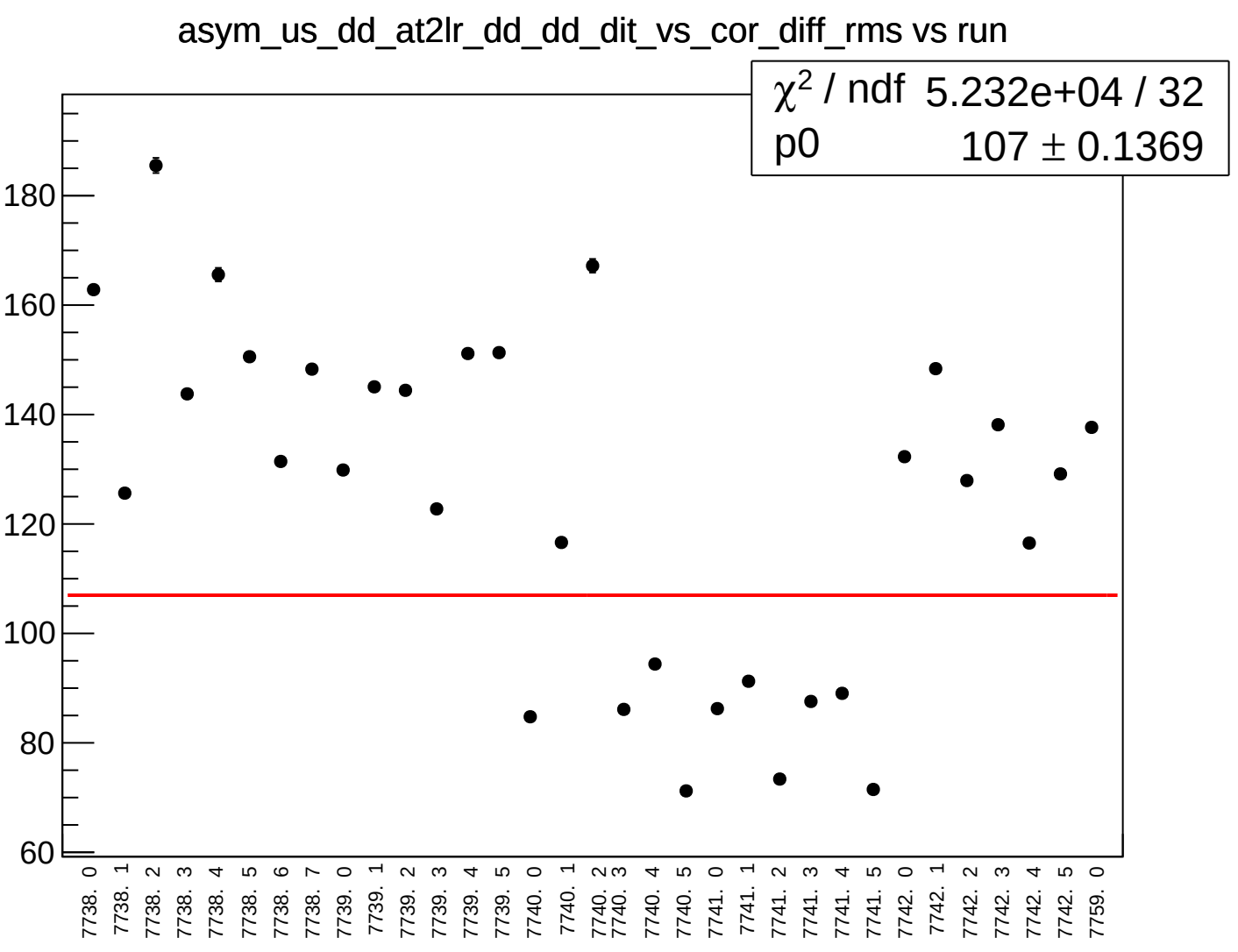

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 264.9 / 32
p0 1799 ± 2.21
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

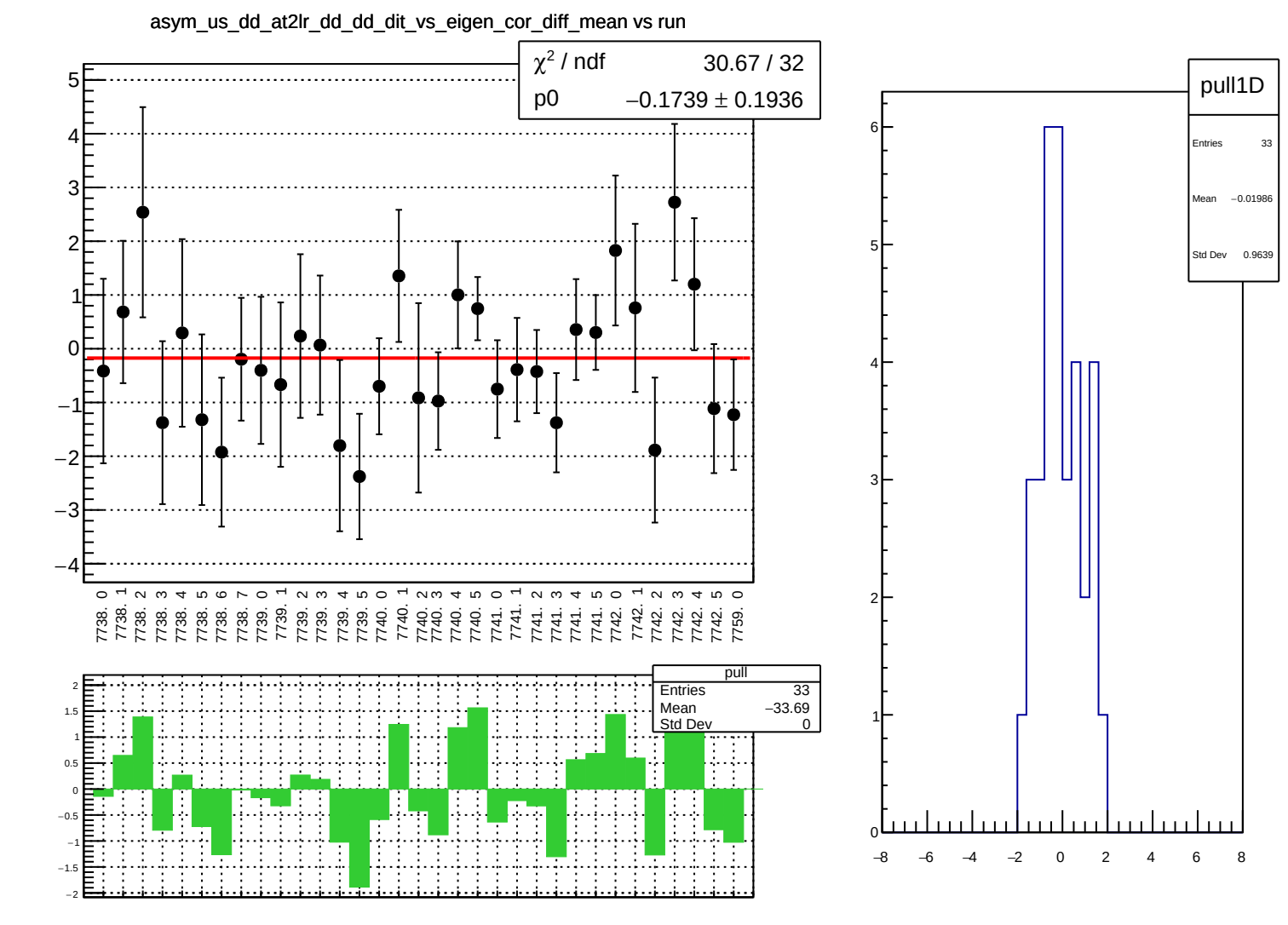

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 41 / 32
p0 2.038e−13 ± 2.151e−13
0.015
0.01
0.005
0
−0.005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.465
Std Dev 16.1
pull1D
Entries 33
Mean 0.04499
Std Dev 1.114

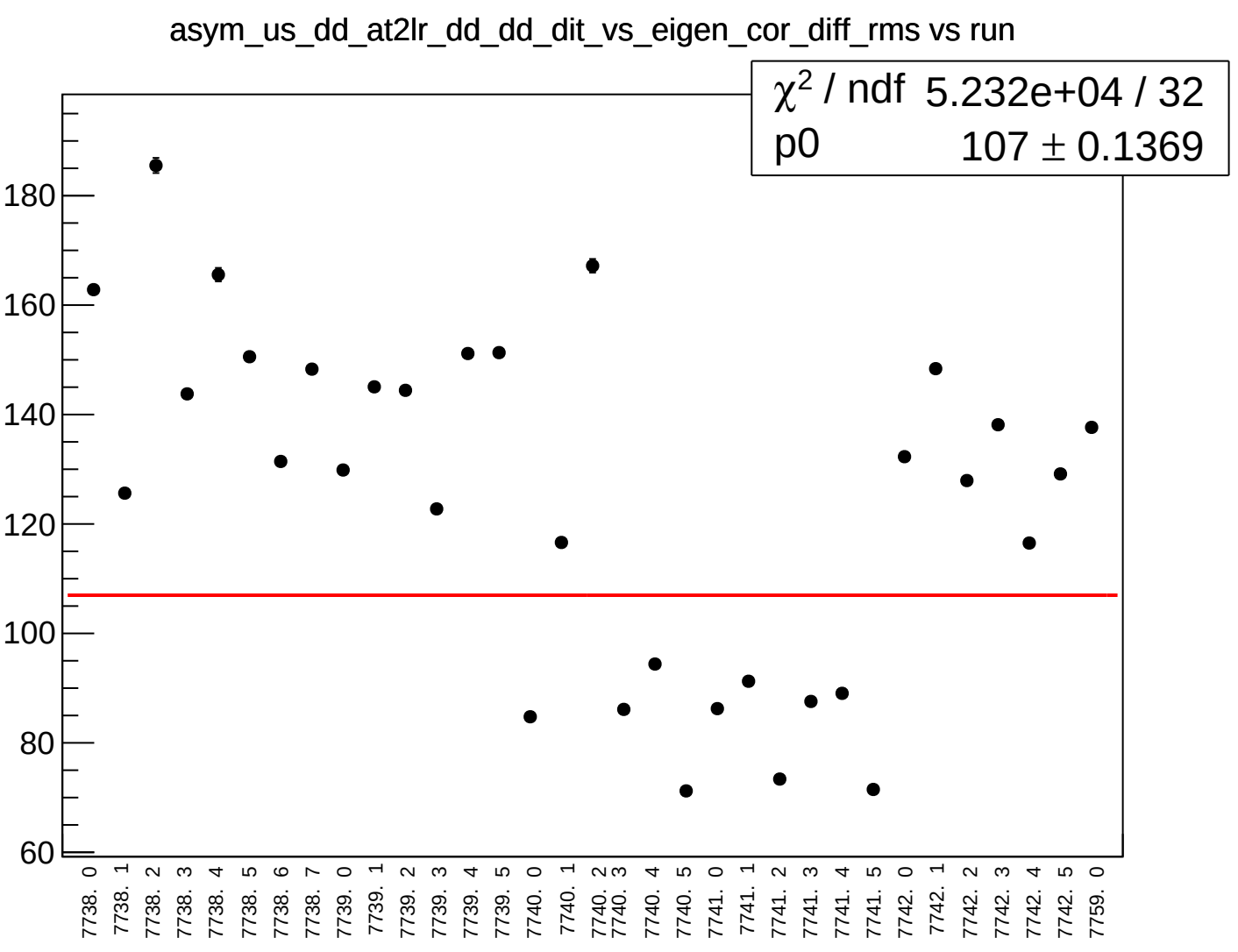

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.238e+05 / 32
p0 1.008e−10 ± 1.521e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

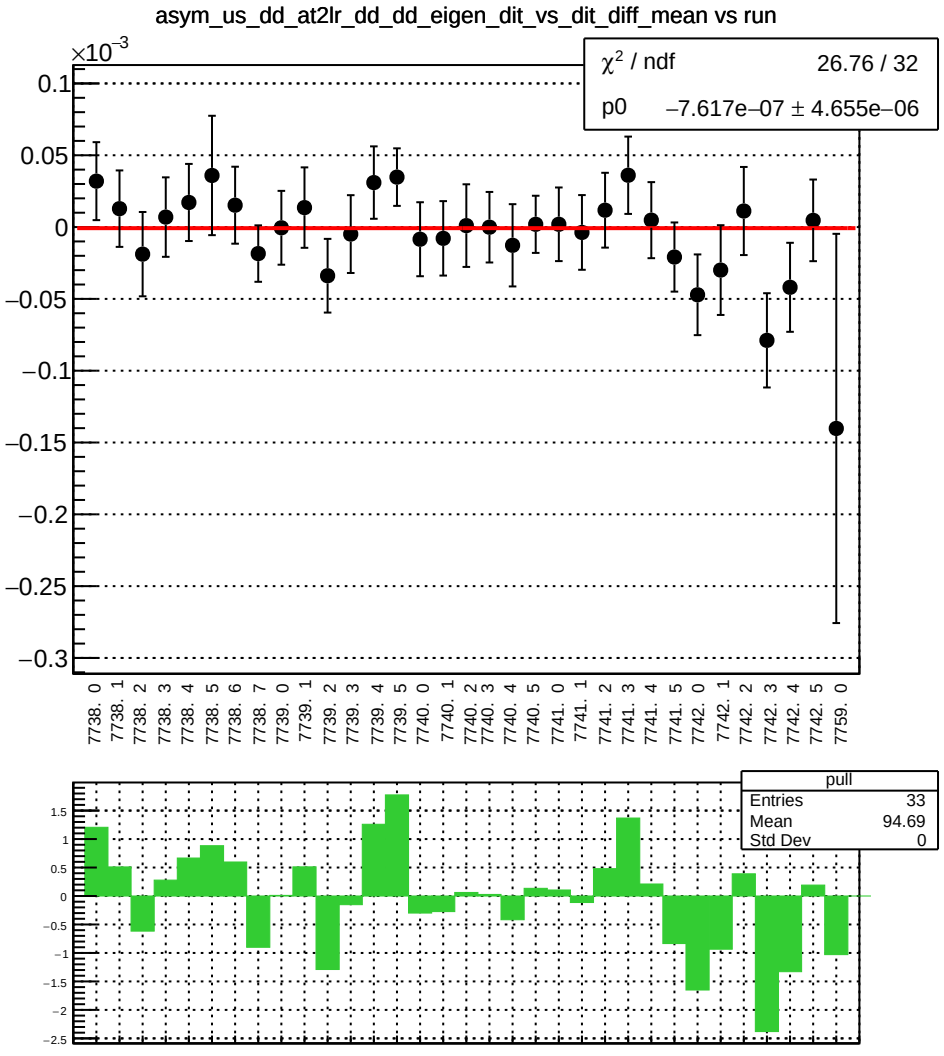

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 30.67 / 32
p0 −0.1739 ± 0.1936
pull
Entries 33
Mean −33.69
Std Dev 0

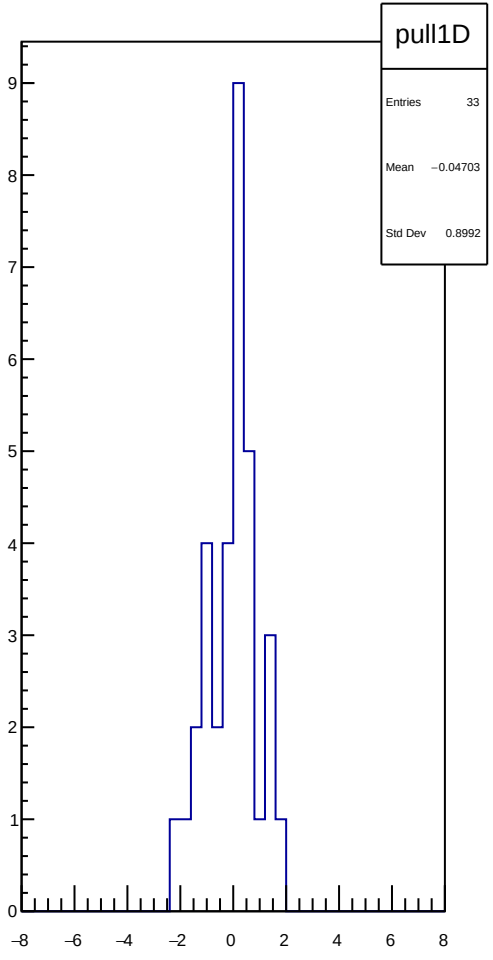

pull1D
Entries 33
Mean −0.01986
Std Dev 0.9639

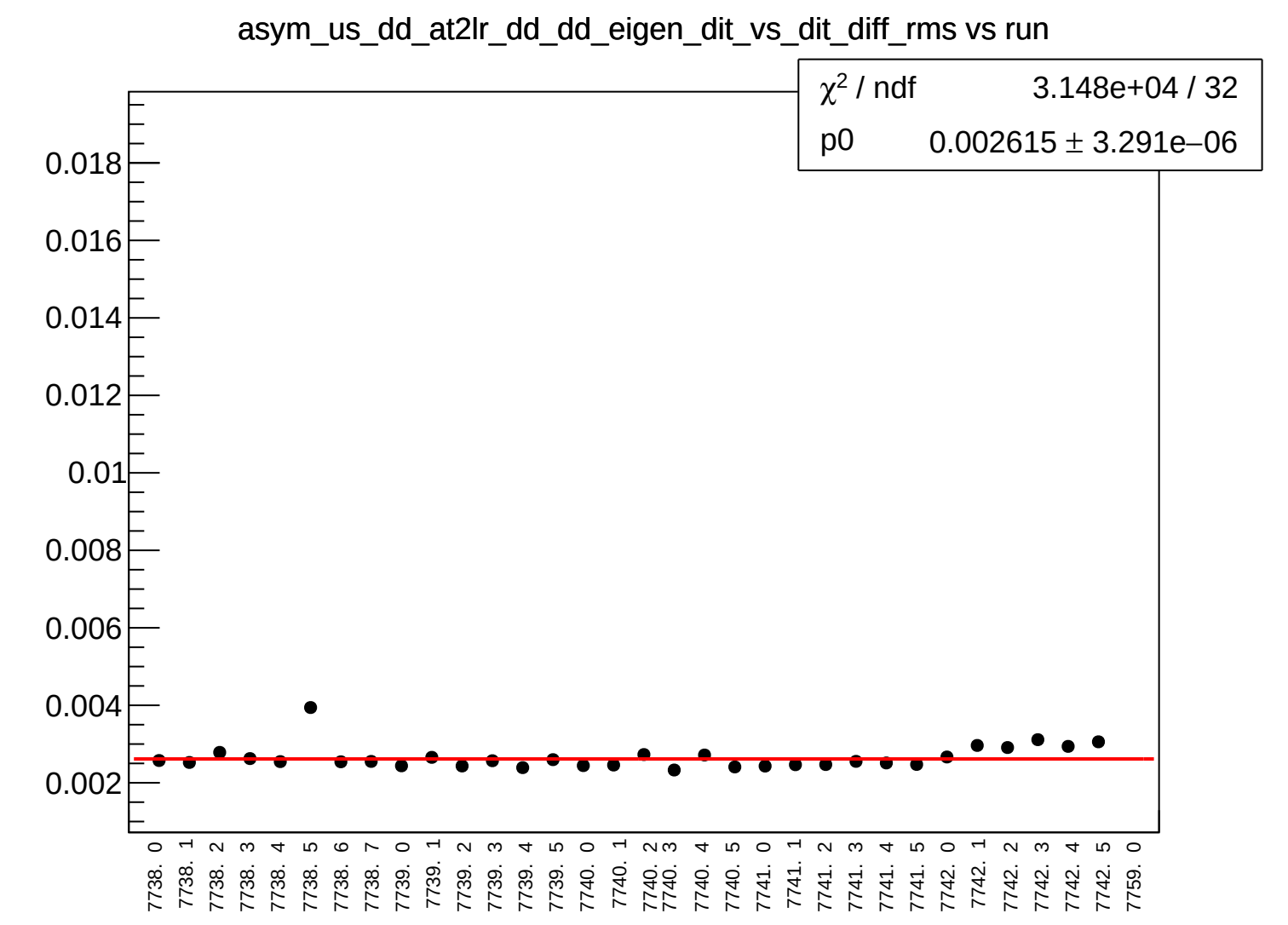

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.232e+04 / 32
p0 107 ± 0.1369
180
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

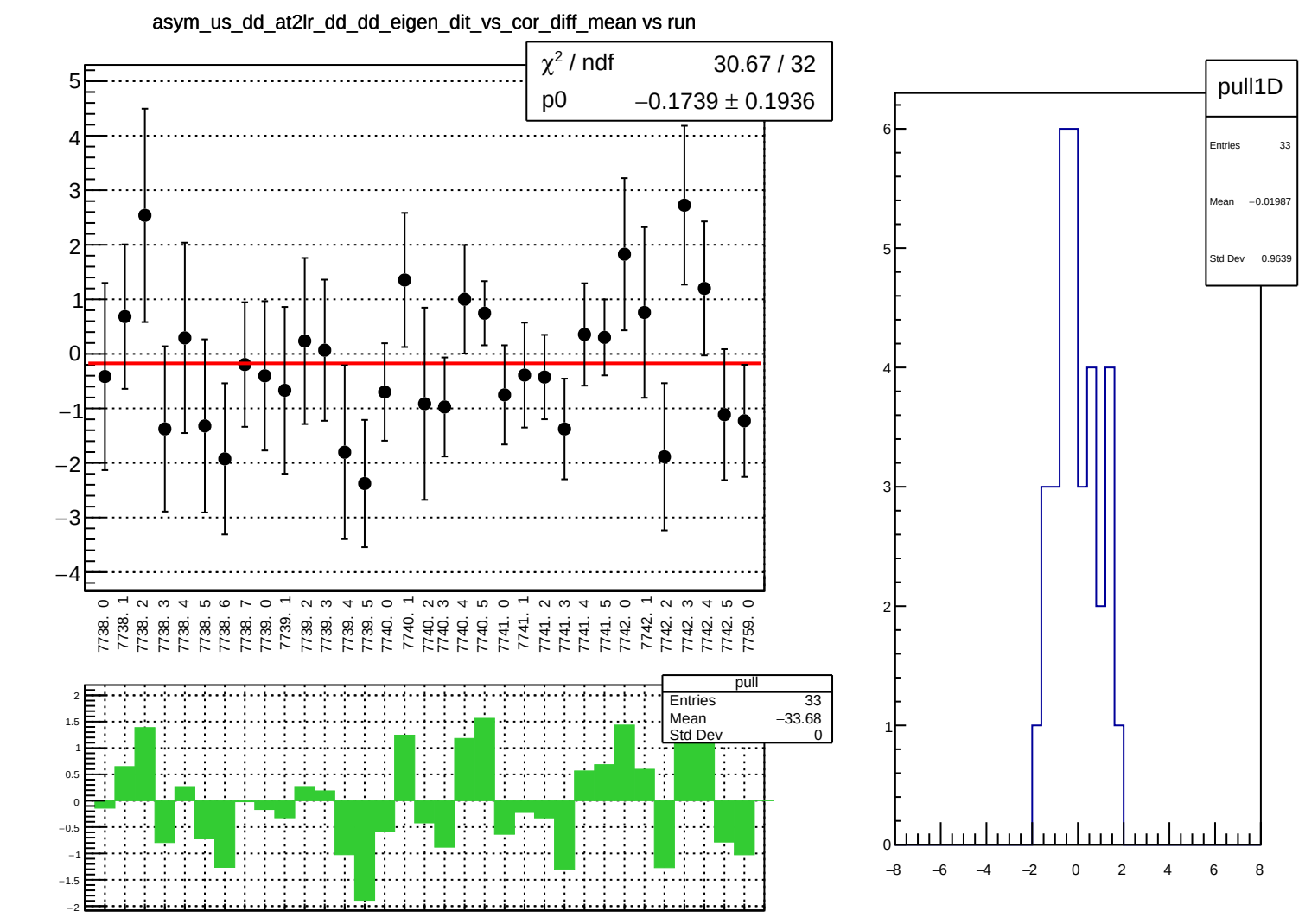

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.67 / 32
p0 −0.1739 ± 0.1936
pull
Entries 33
Mean −33.69
Std Dev 0
pull1D
Entries 33
Mean −0.01986
Std Dev 0.9639

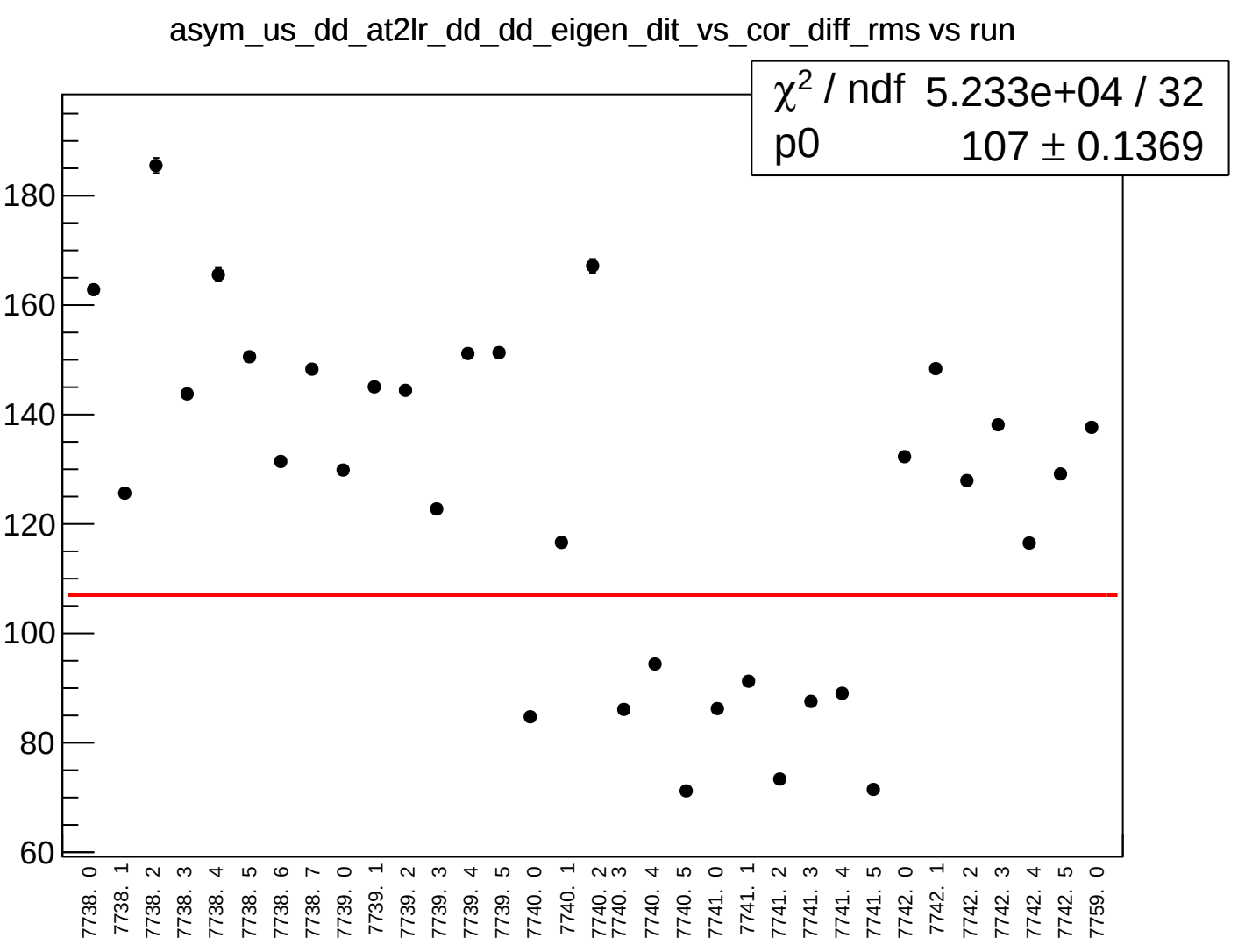

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.232e+04 / 32
p0 107 ± 0.1369
180
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

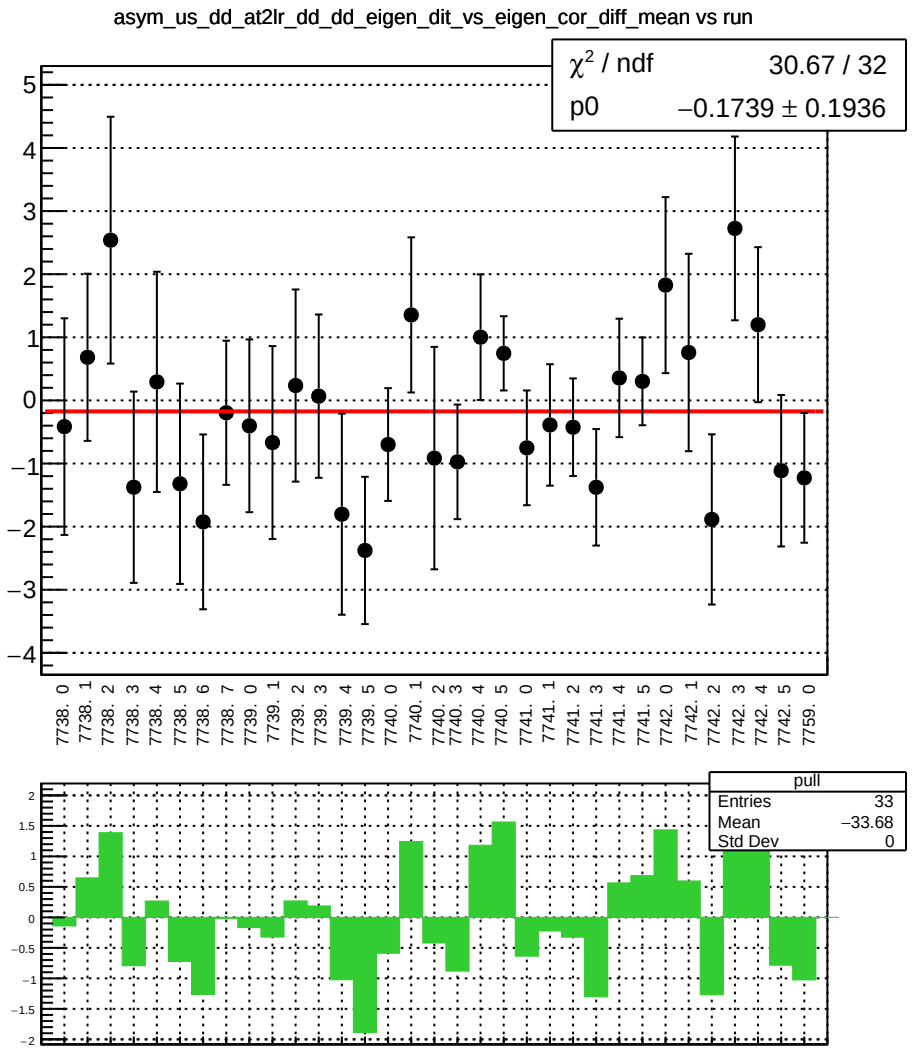

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 26.76 / 32
p0 −7.617e−07 ± 4.655e−06
pull
Entries 33
Mean 94.69
Std Dev 0

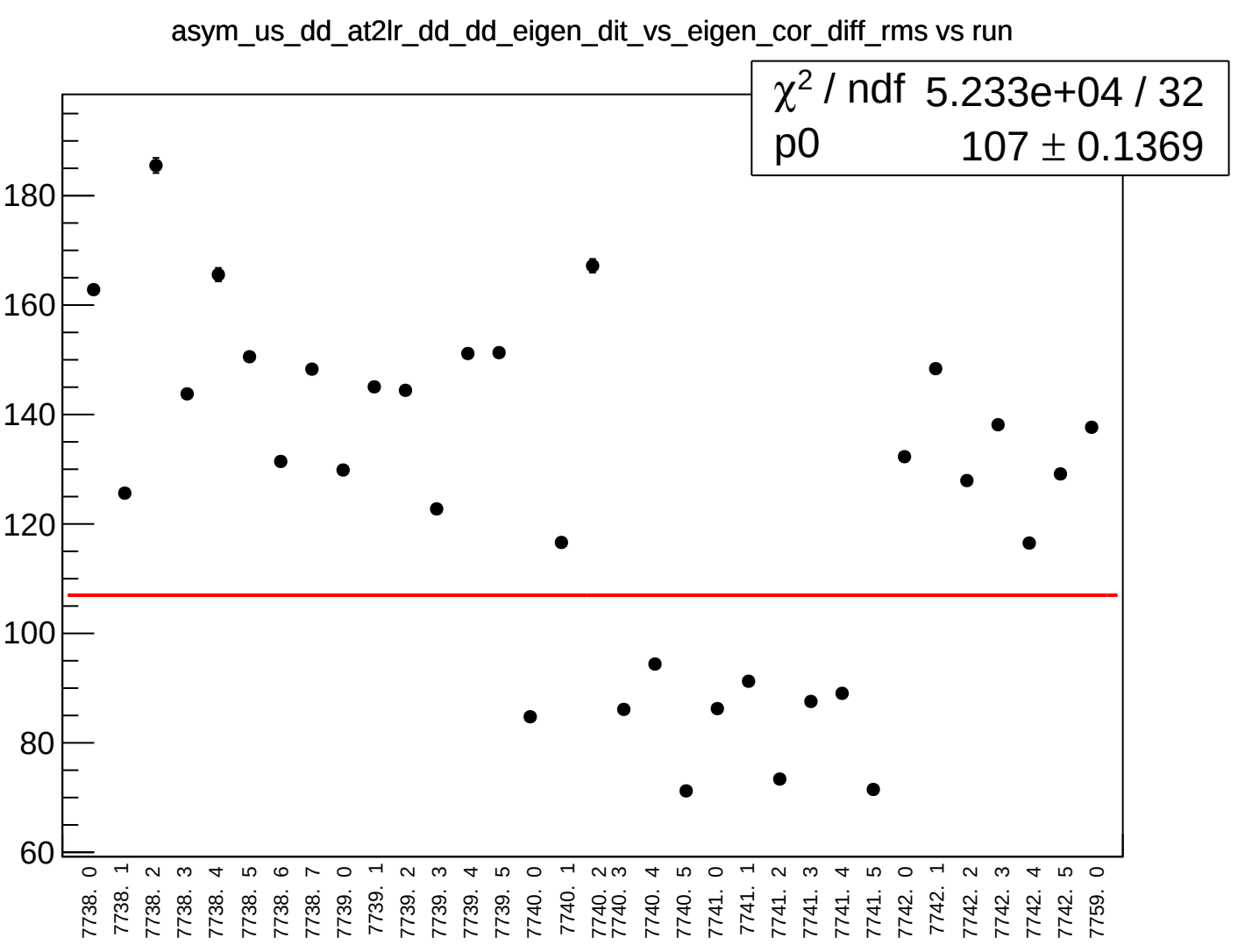

pull1D
Entries 33
Mean −0.04703
Std Dev 0.8992

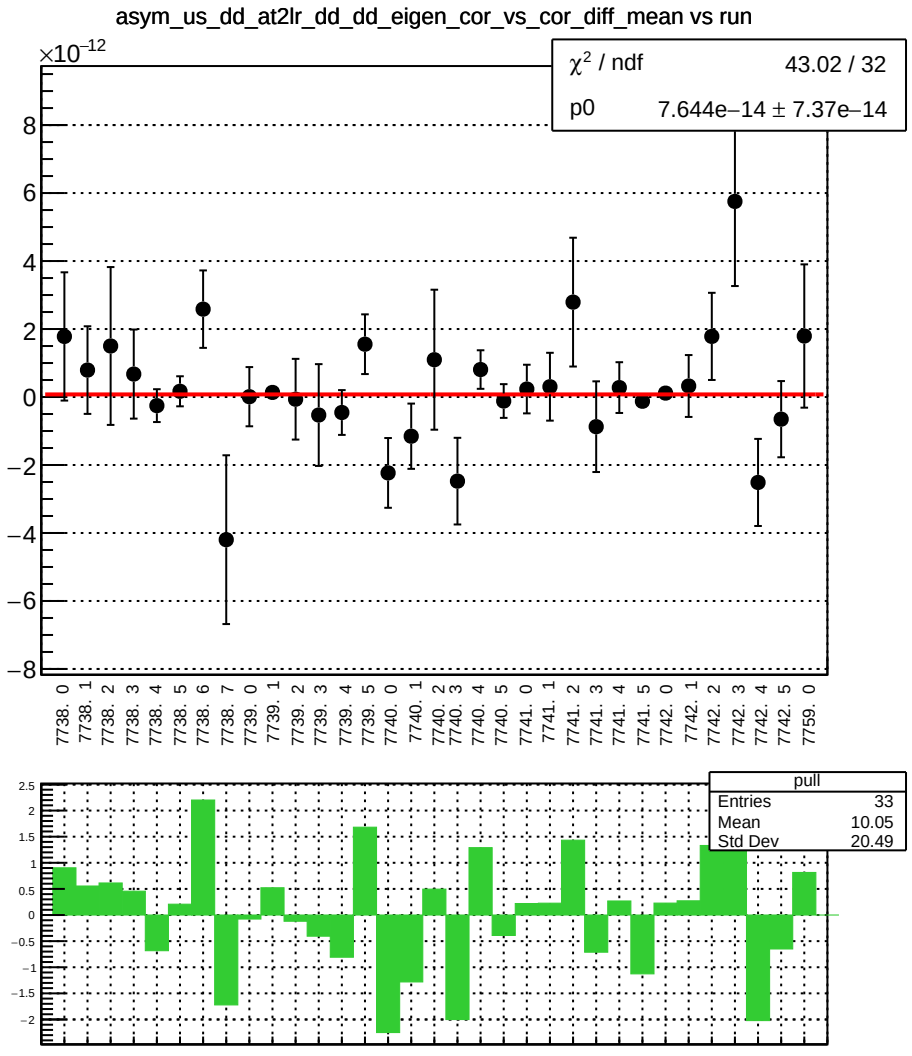

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.148e+04 / 32
p0 0.002615 ± 3.291e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

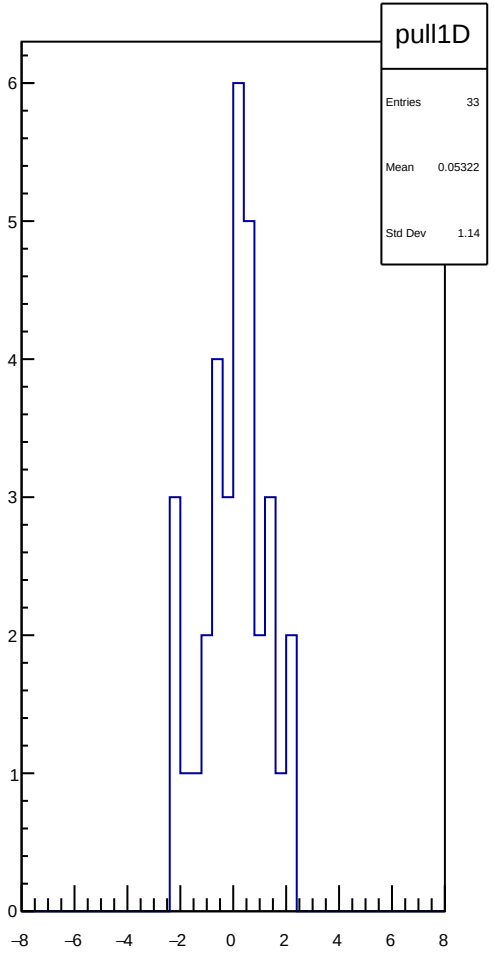

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.67 / 32
p0 −0.1739 ± 0.1936
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −33.68
Std Dev 0
pull1D
Entries 33
Mean −0.01987
Std Dev 0.9639

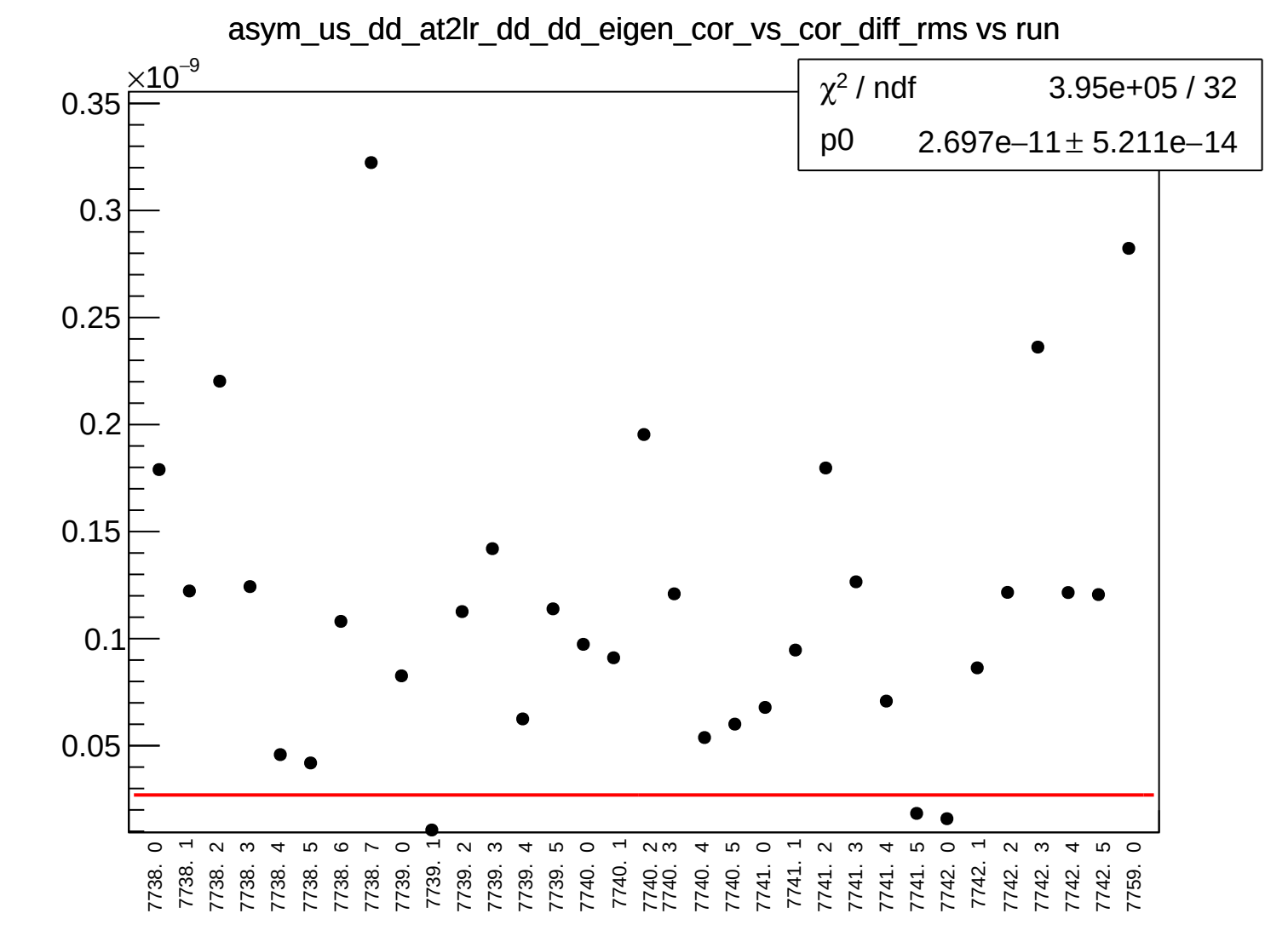

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.233e+04 / 32
p0 107 ± 0.1369
180
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

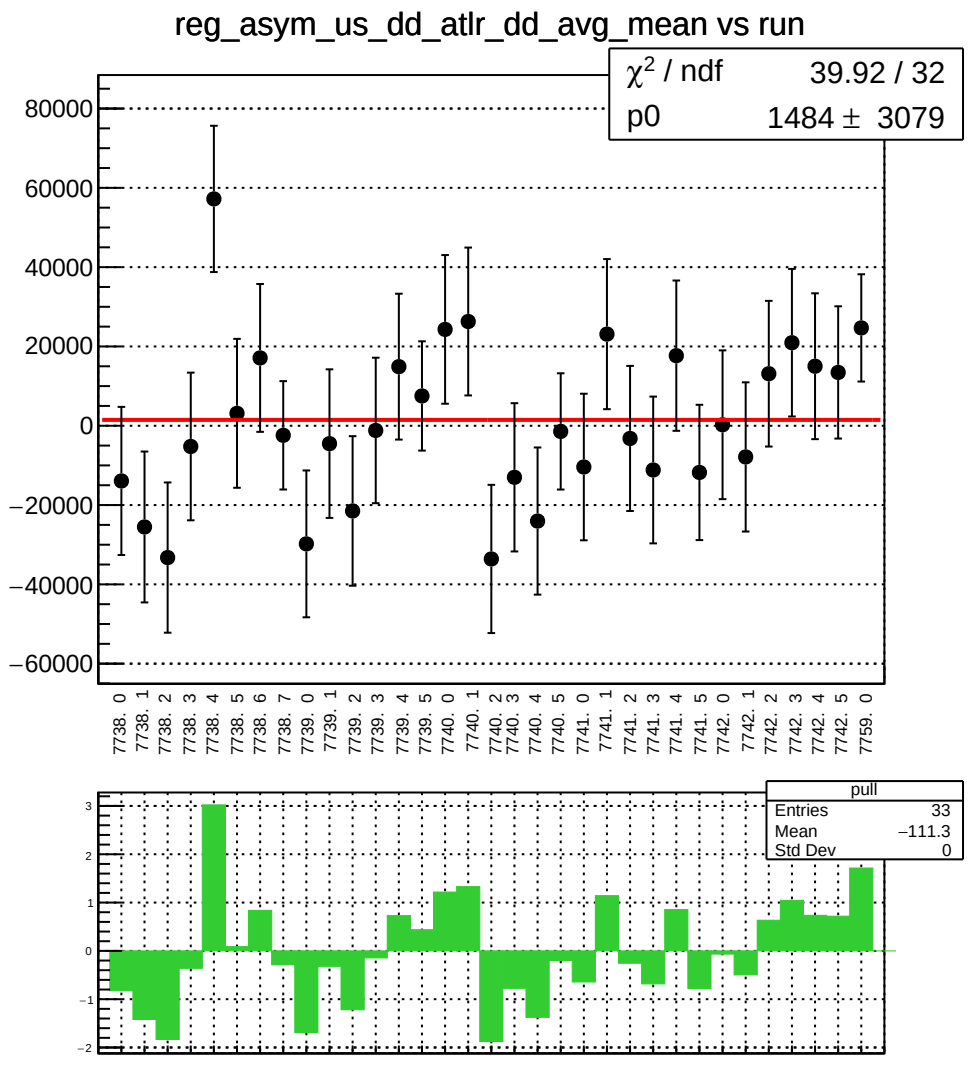

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.67 / 32
p0 −0.1739 ± 0.1936
pull
Entries 33
Mean −33.68
Std Dev 0
pull1D
Entries 33
Mean −0.01987
Std Dev 0.9639

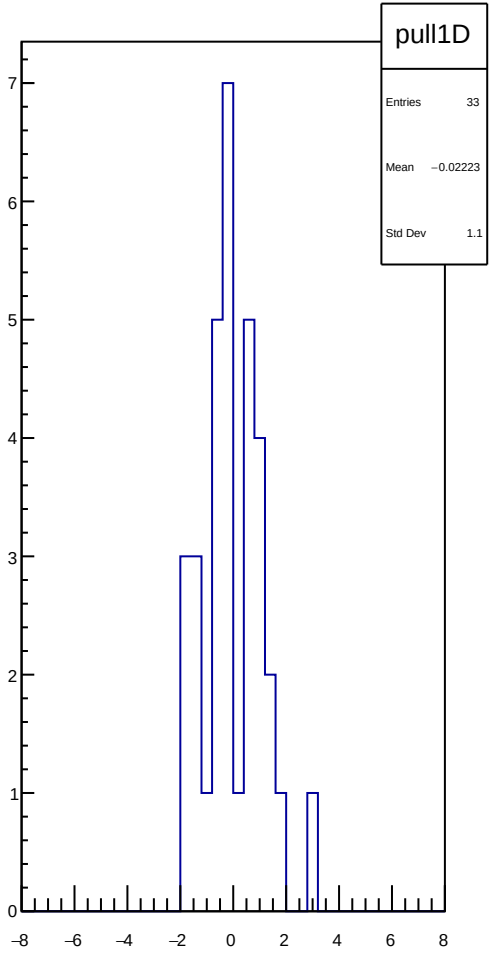

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.233e+04 / 32
p0 107 ± 0.1369
180
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

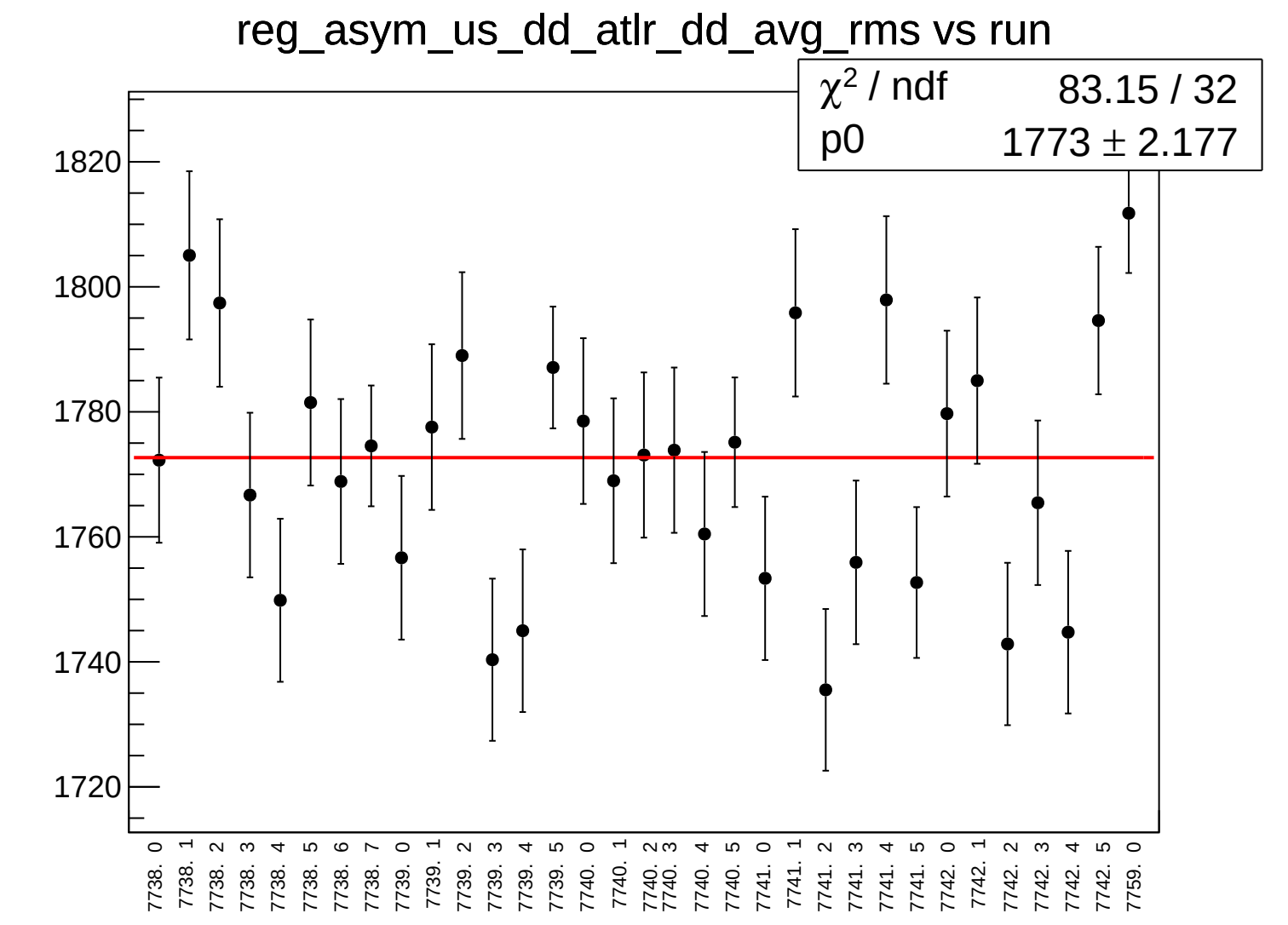

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.02 / 32
p0 7.644e−14 ± 7.37e−14
8
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.05
Std Dev 20.49
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

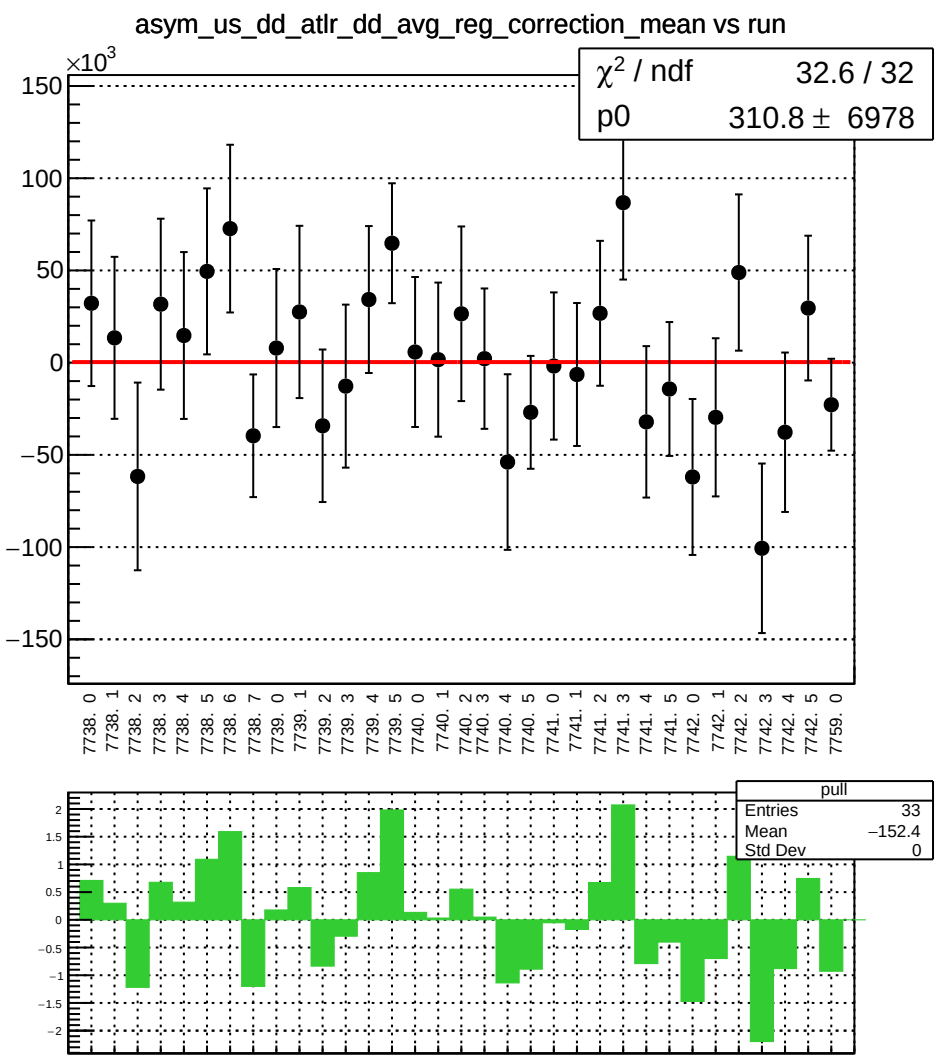

pull1D
Entries 33
Mean 0.05322
Std Dev 1.14
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

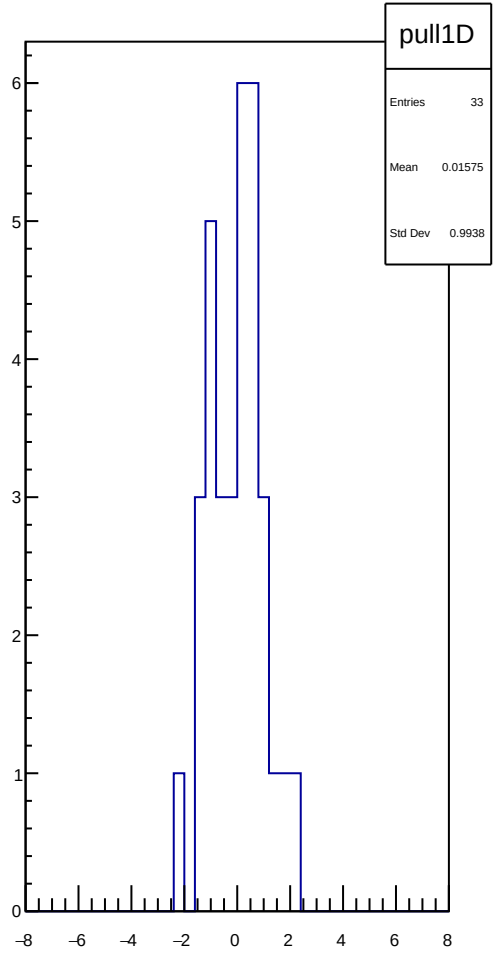

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.95e+05 / 32
p0 2.697e−11 ± 5.211e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

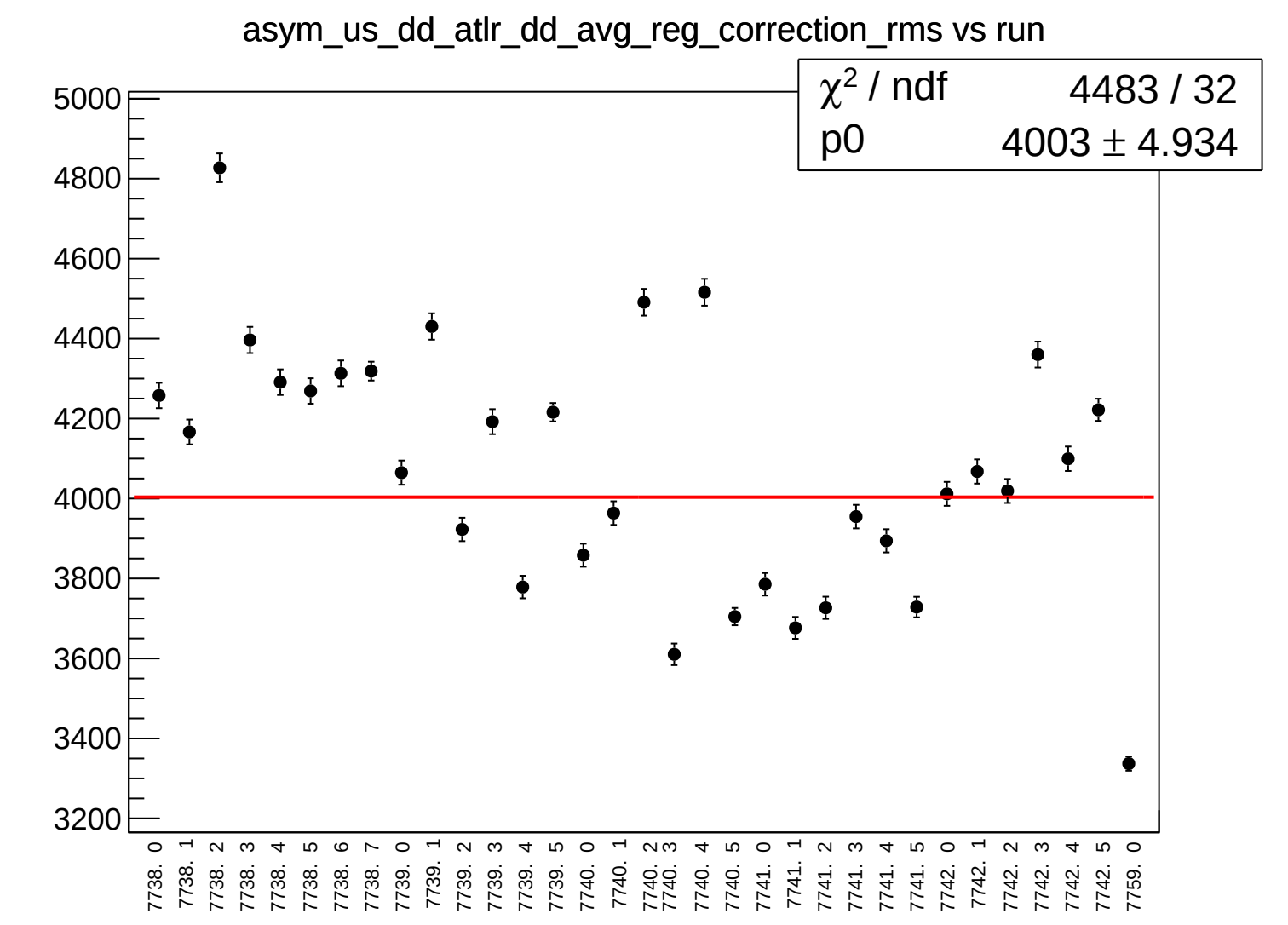

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 39.92 / 32
p0 1484 ± 3079
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −111.3
Std Dev 0
3
2
1
0
−1
−2

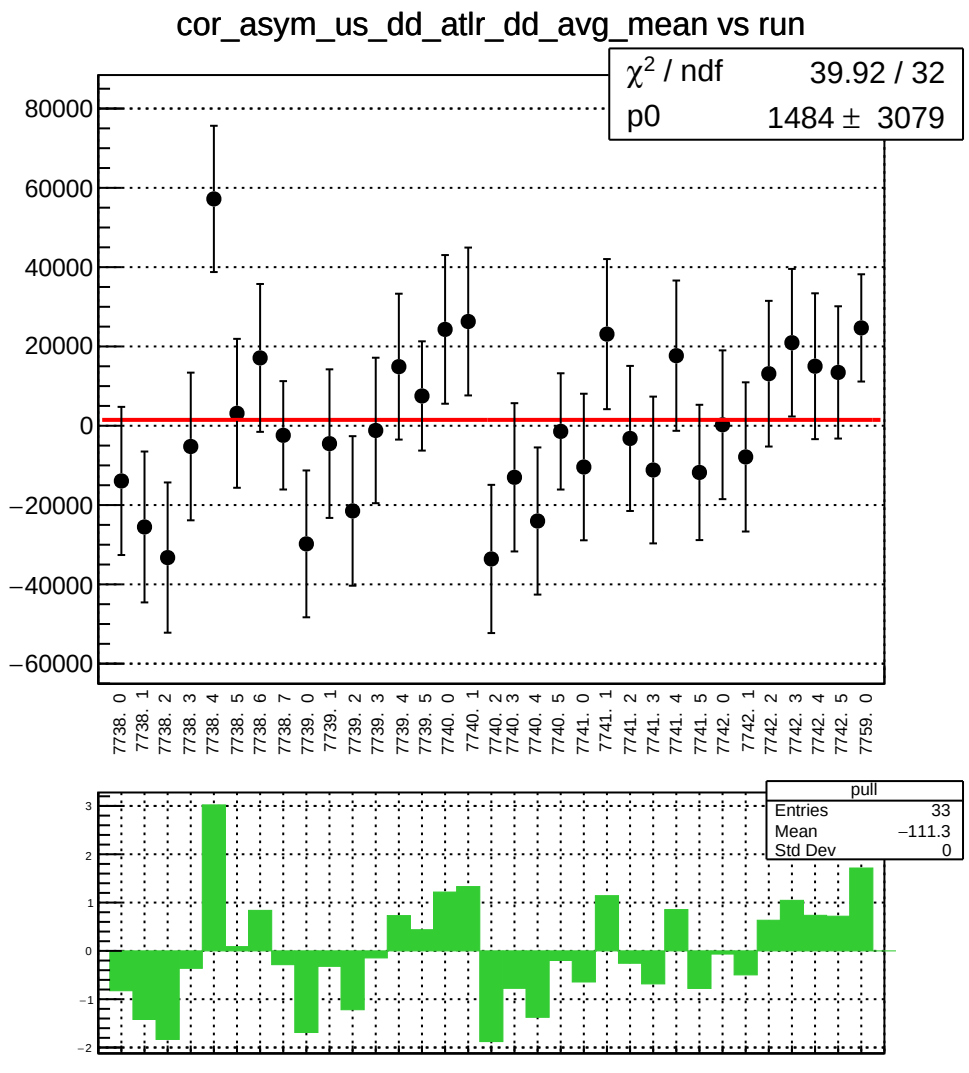

pull1D
Entries 33
Mean −0.02223
Std Dev 1.1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

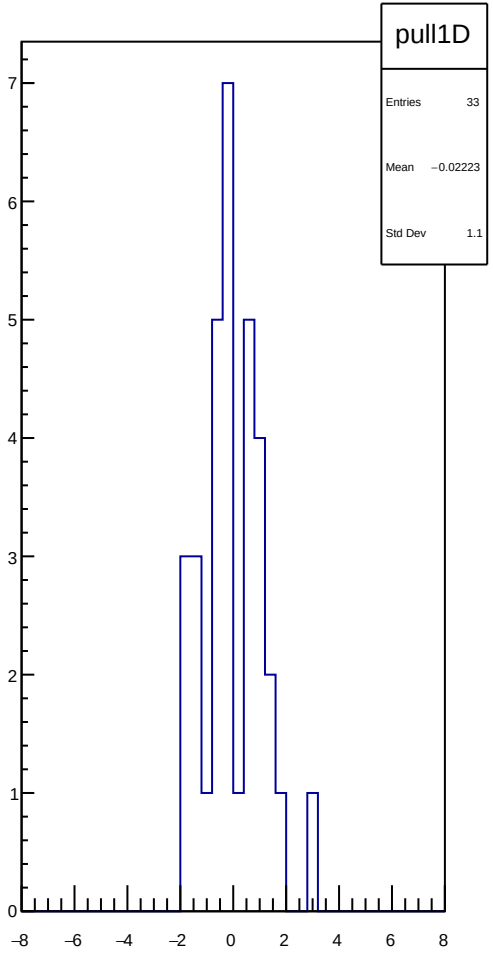

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 83.15 / 32
p0 1773 ± 2.177
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

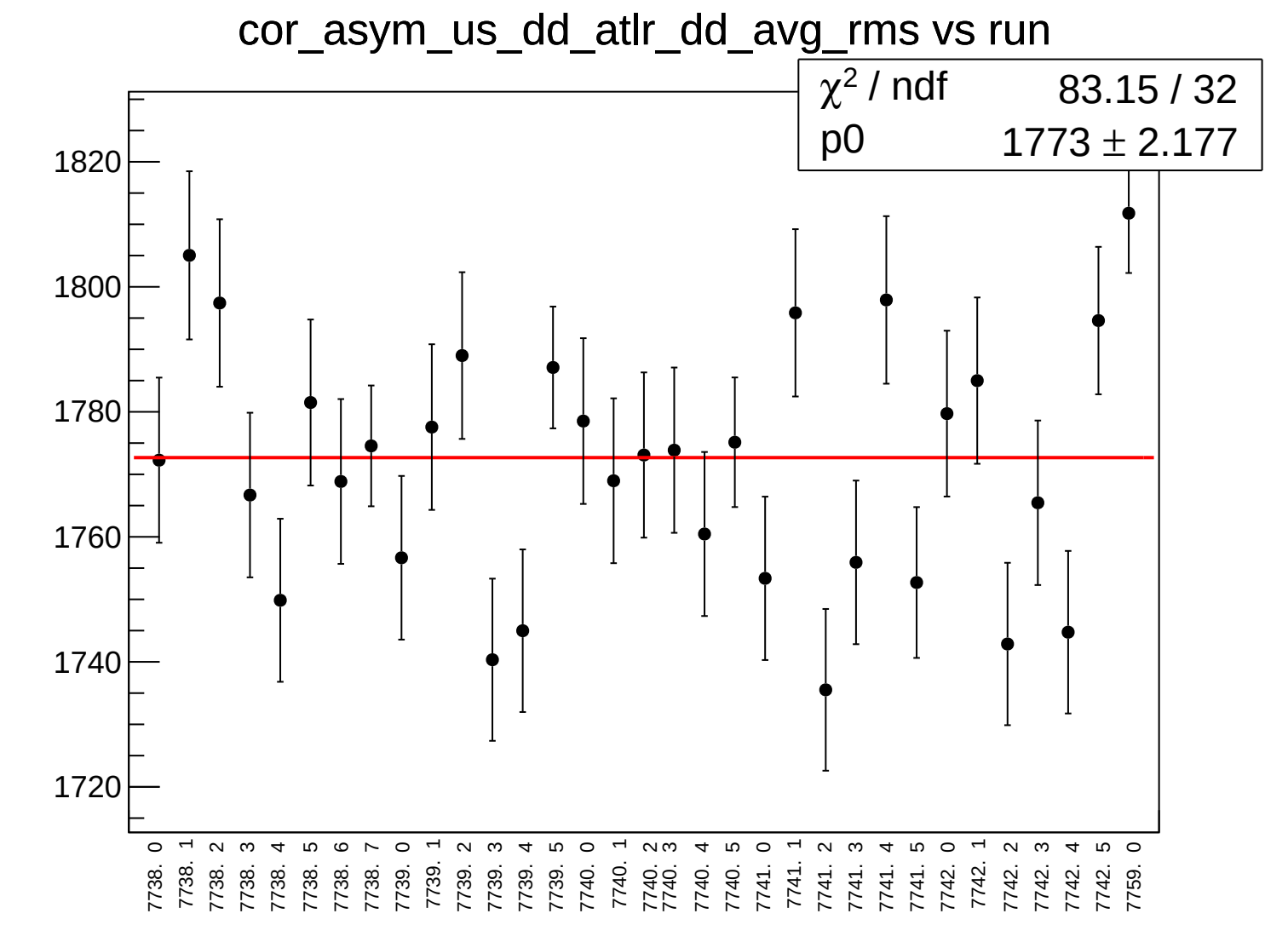

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 32.6 / 32
p0 310.8 ± 6978
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

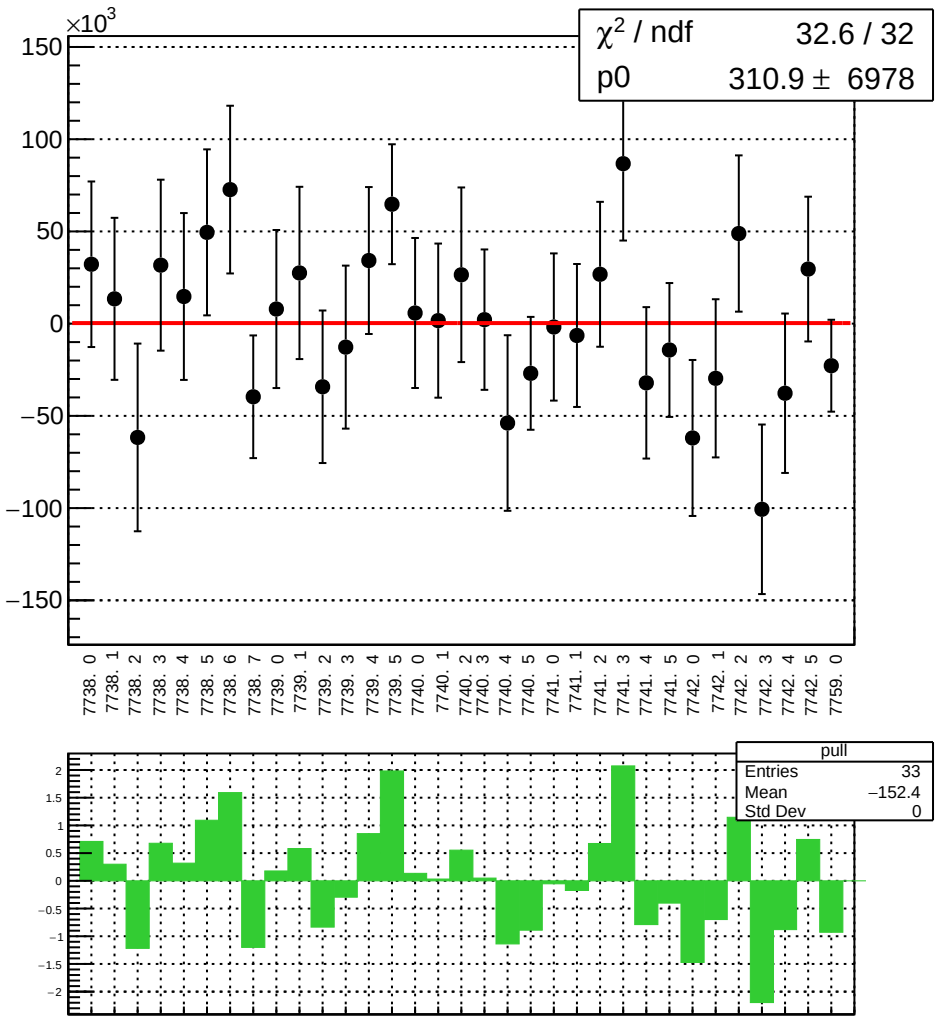

pull1D
Entries 33
Mean 0.01575
Std Dev 0.9938
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

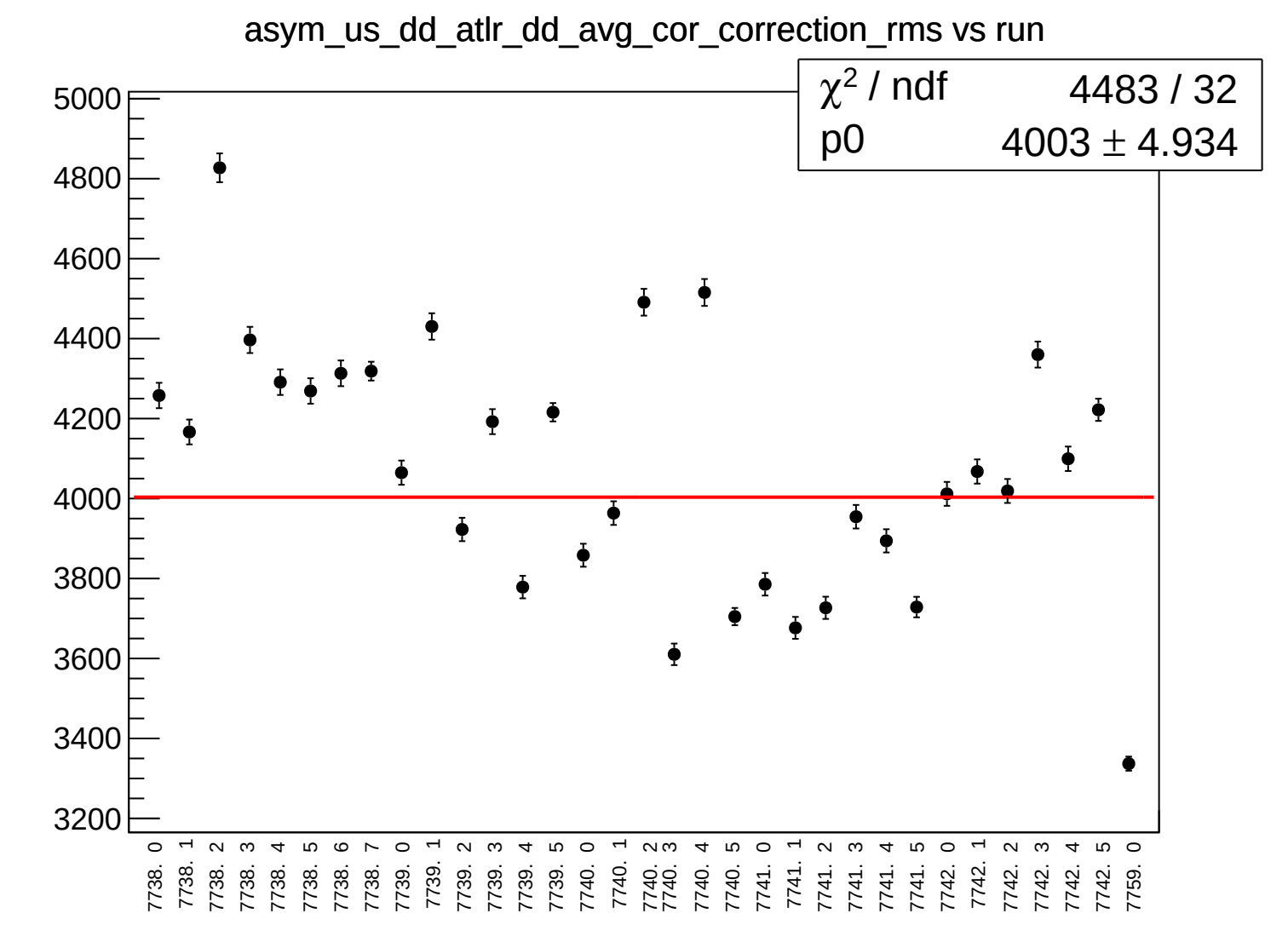

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 4483 / 32
p0 4003 ± 4.934
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

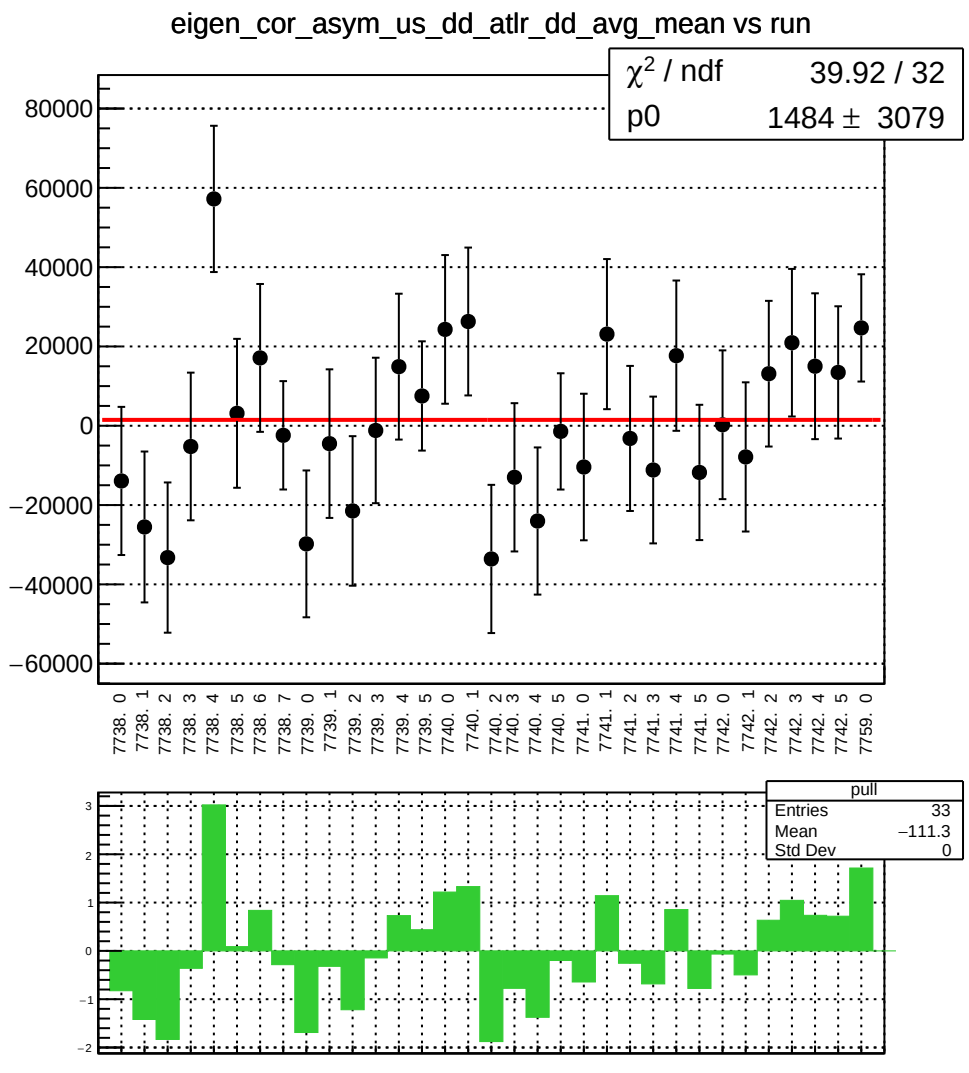

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 39.92 / 32
p0 1484 ± 3079
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −111.3
Std Dev 0
3
2
1
0
−1
−2

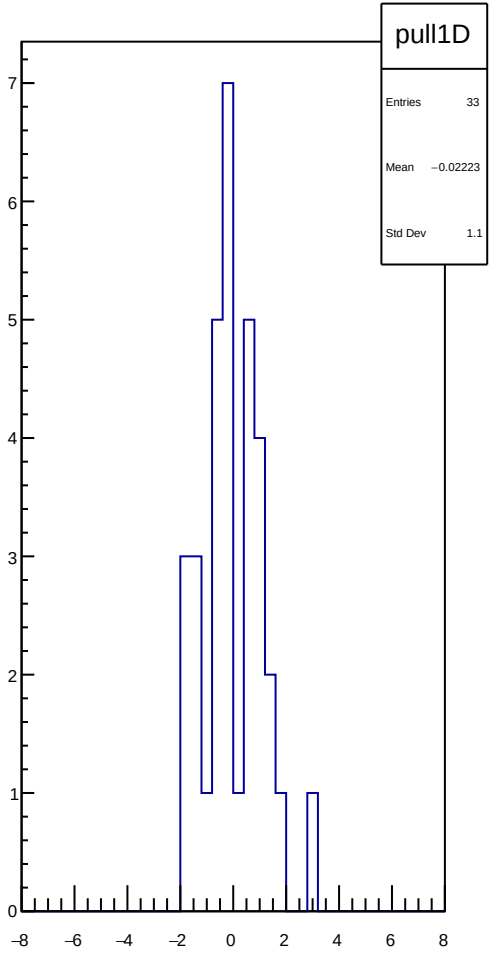

pull1D
Entries 33
Mean −0.02223
Std Dev 1.1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

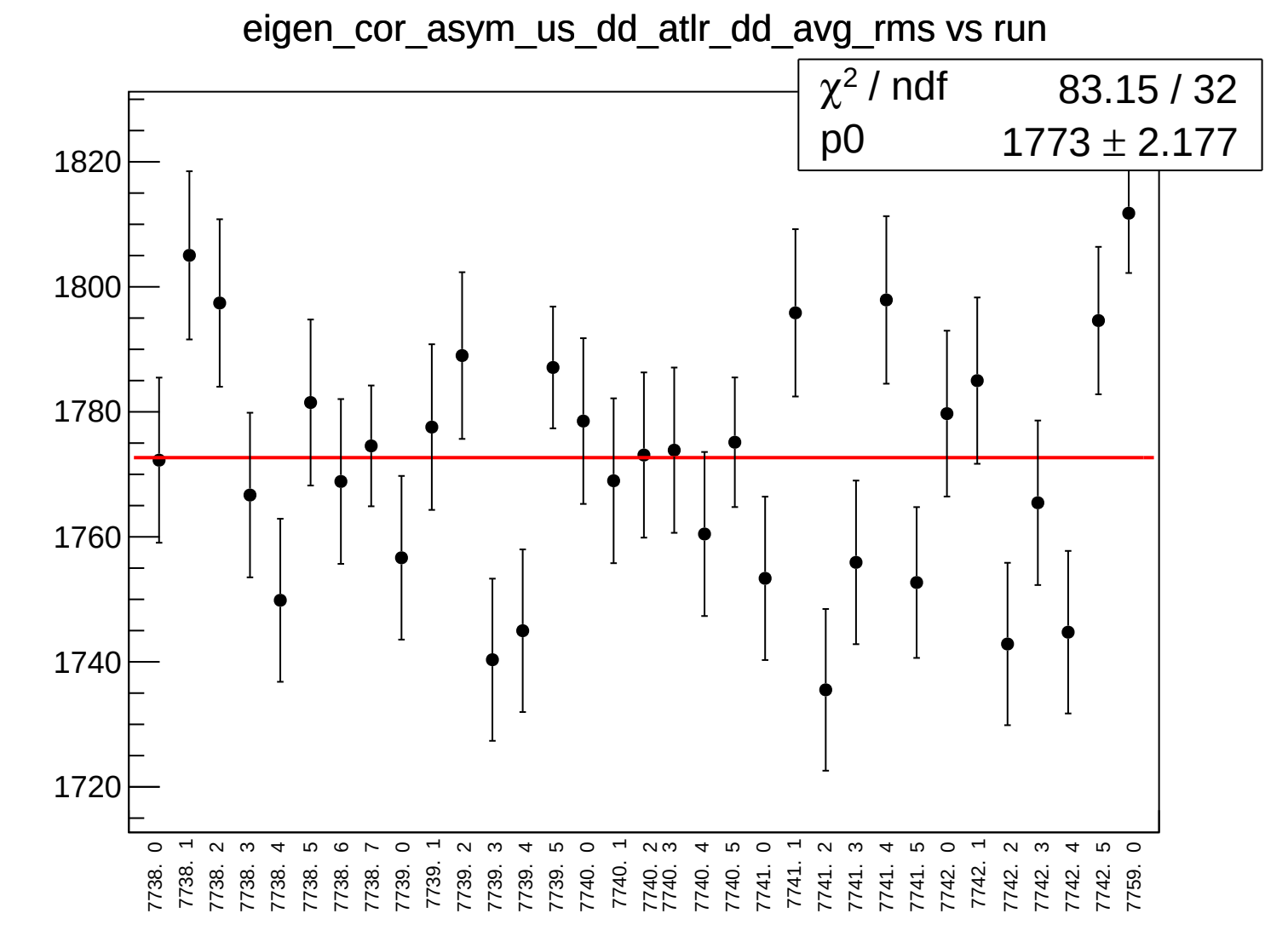

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 83.15 / 32
p0 1773 ± 2.177
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

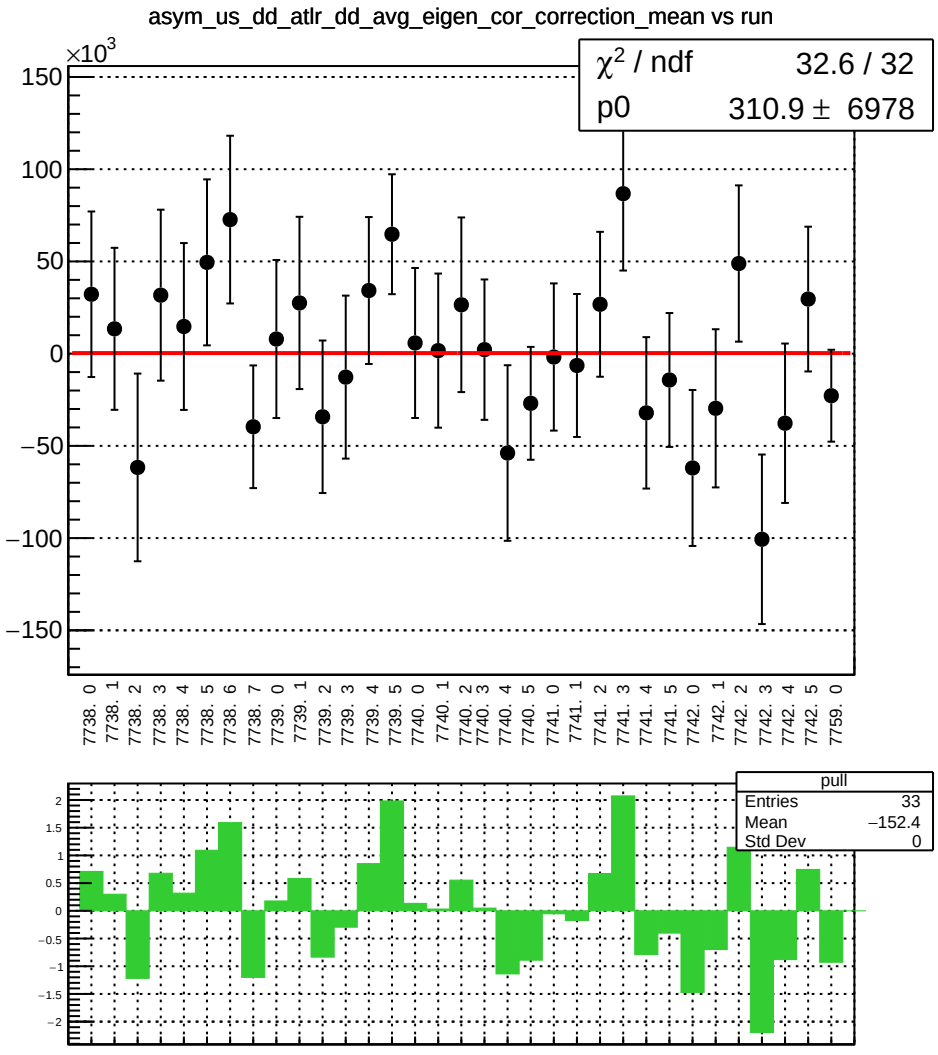

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 32.6 / 32
p0 310.9 ± 6978
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01575
Std Dev 0.9938
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

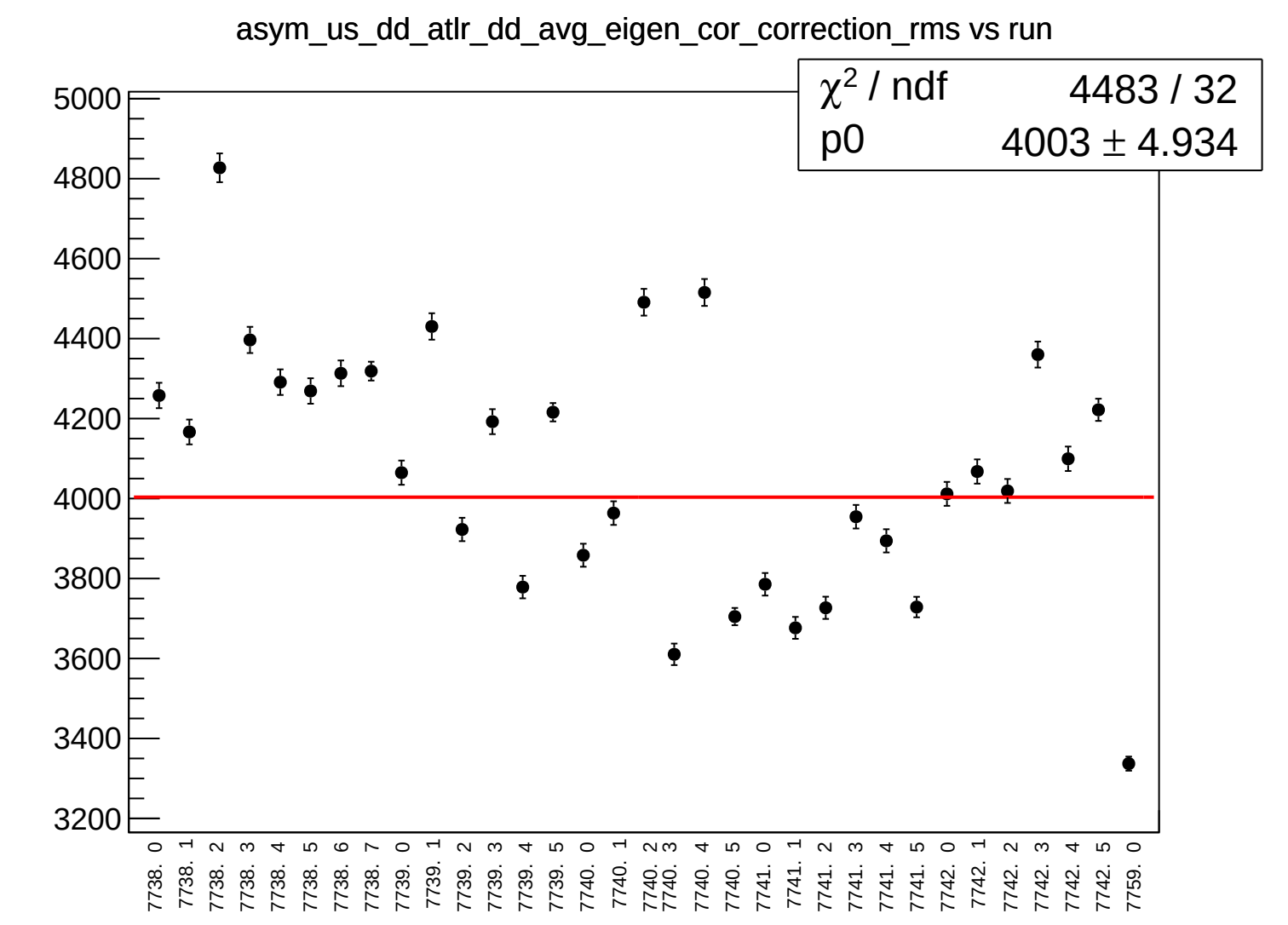

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 4483 / 32
p0 4003 ± 4.934
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

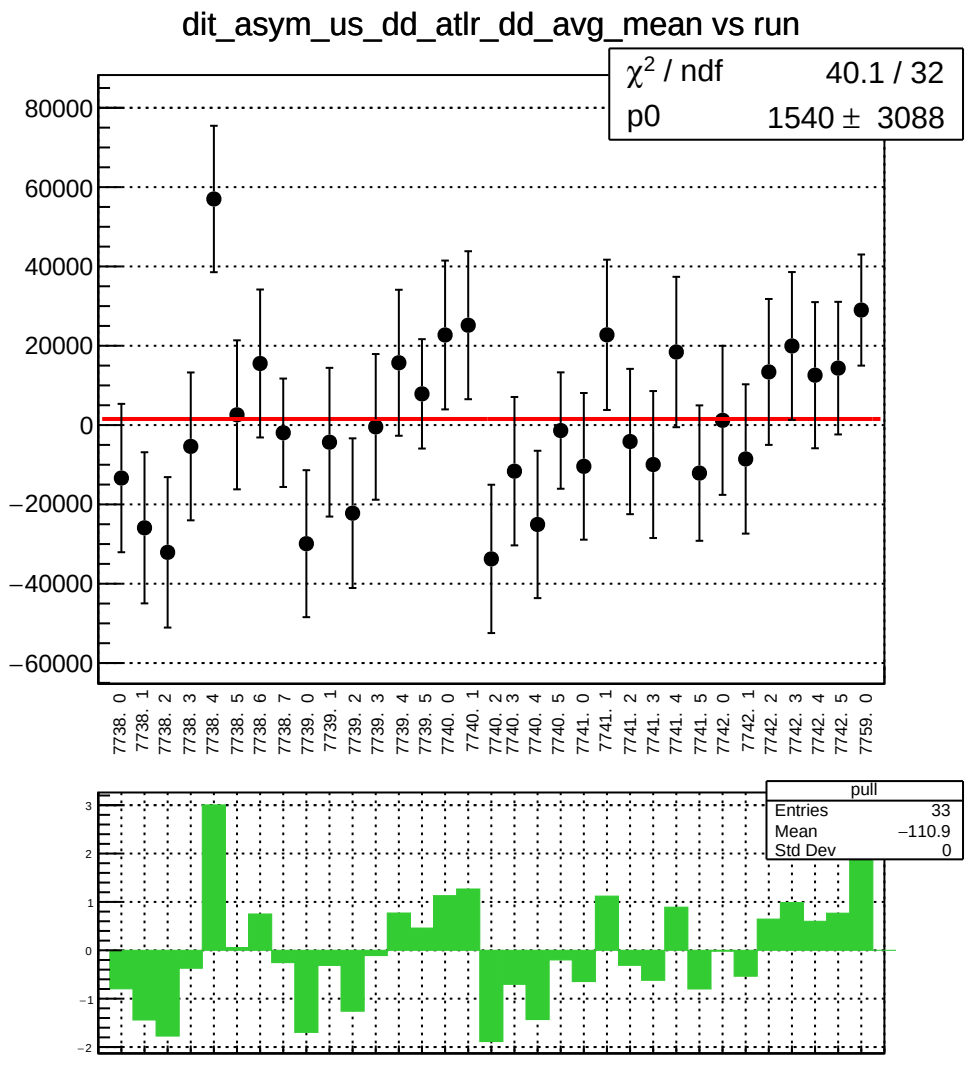

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 39.92 / 32
p0 1484 ± 3079
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −111.3
Std Dev 0
3
2
1
0
−1
−2

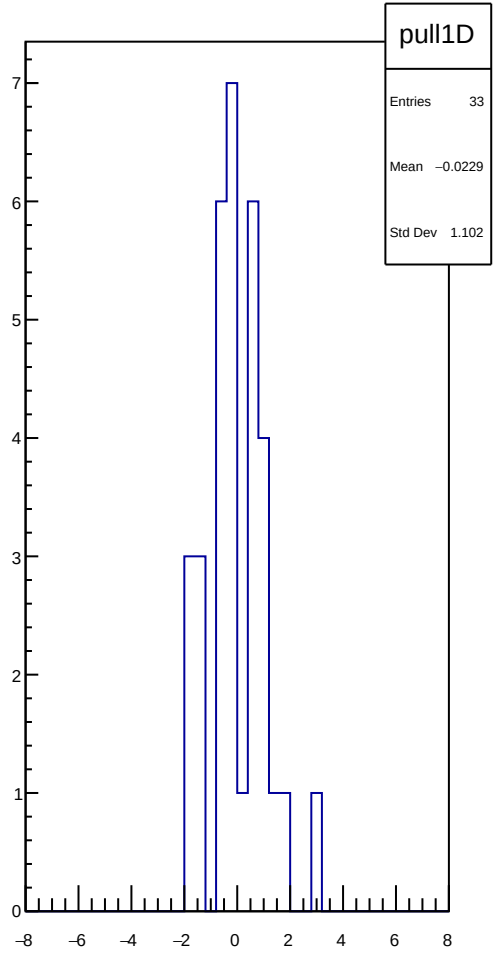

pull1D
Entries 33
Mean −0.02223
Std Dev 1.1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

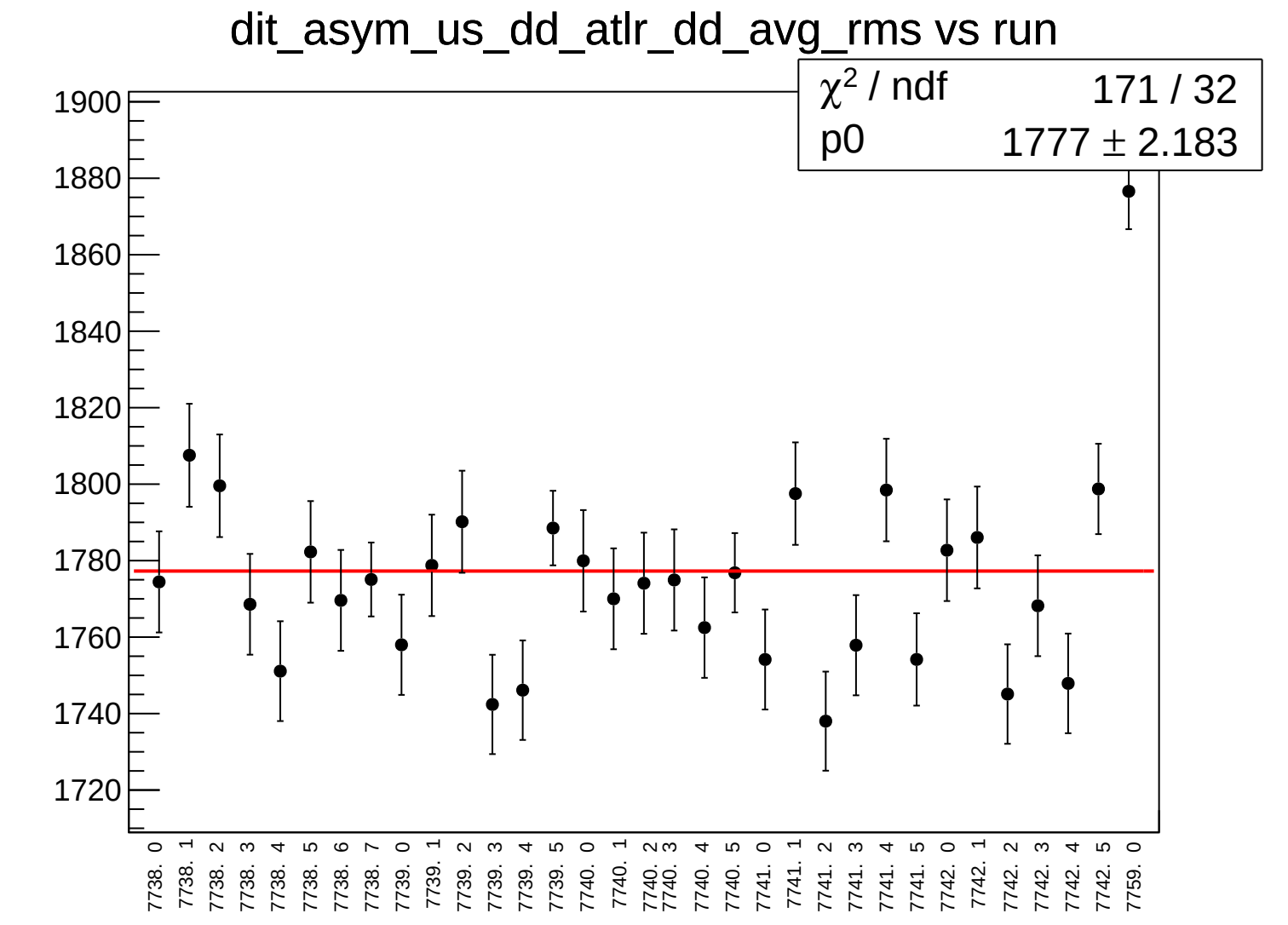

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 83.15 / 32
p0 1773 ± 2.177
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

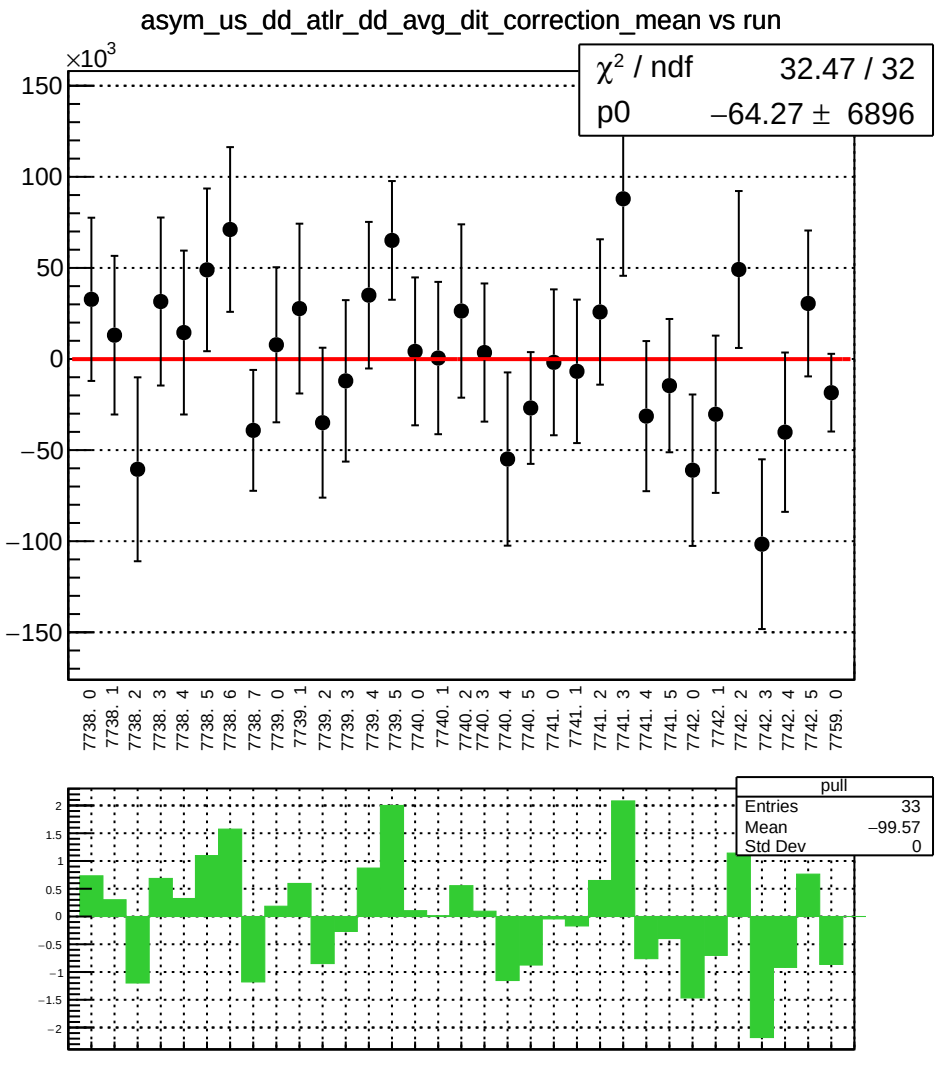

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 32.6 / 32
p0 310.9 ± 6978
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01575
Std Dev 0.9938
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

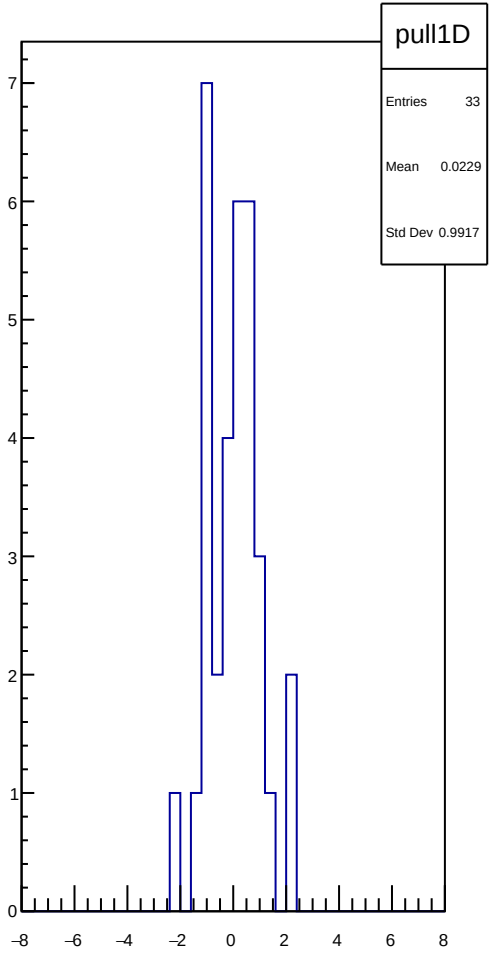

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4483 / 32
p0 4003 ± 4.934
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

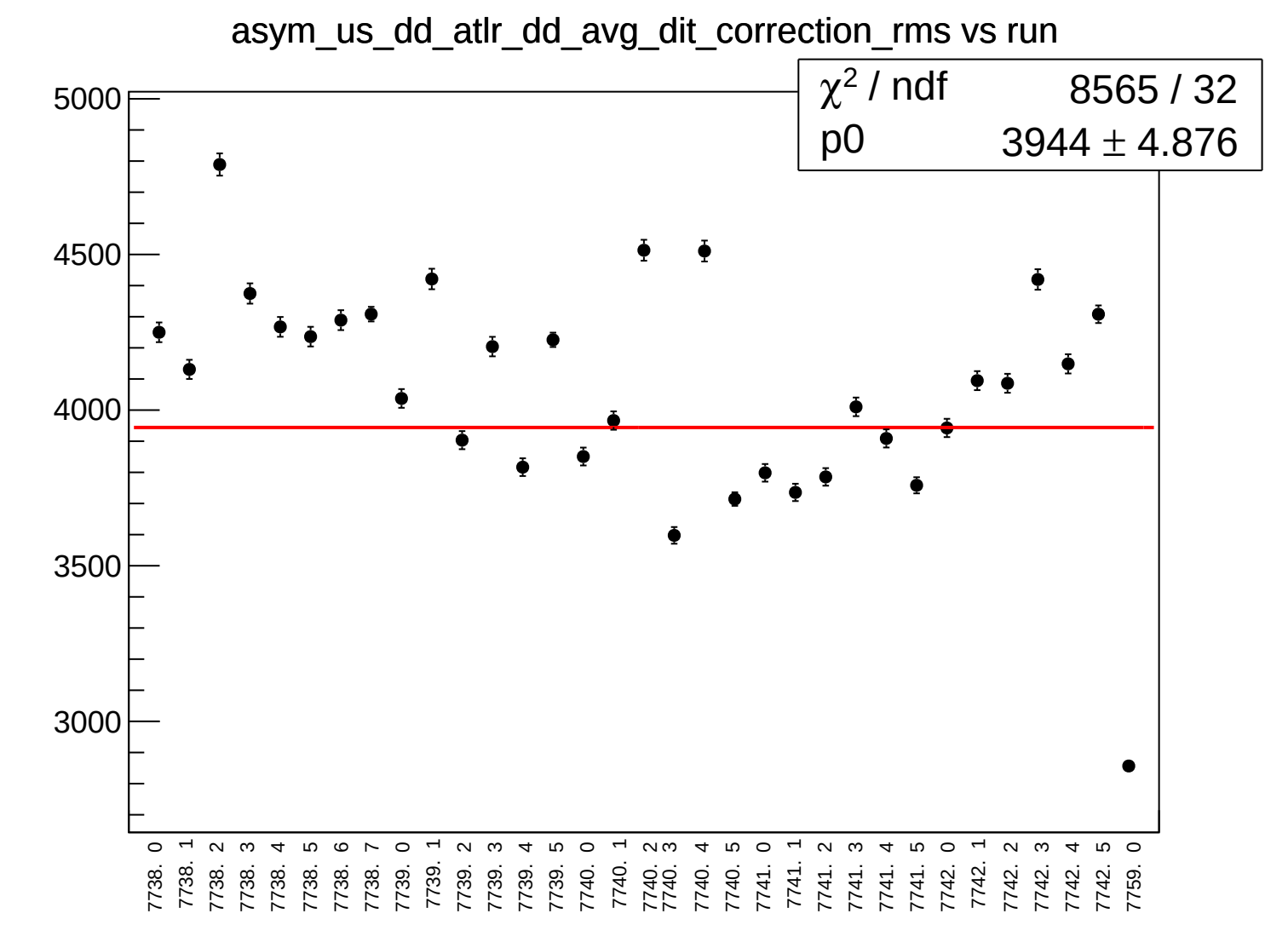

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 40.1 / 32
p0 1540 ± 3088
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −110.9
Std Dev 0
3
2
1
0
−1
−2

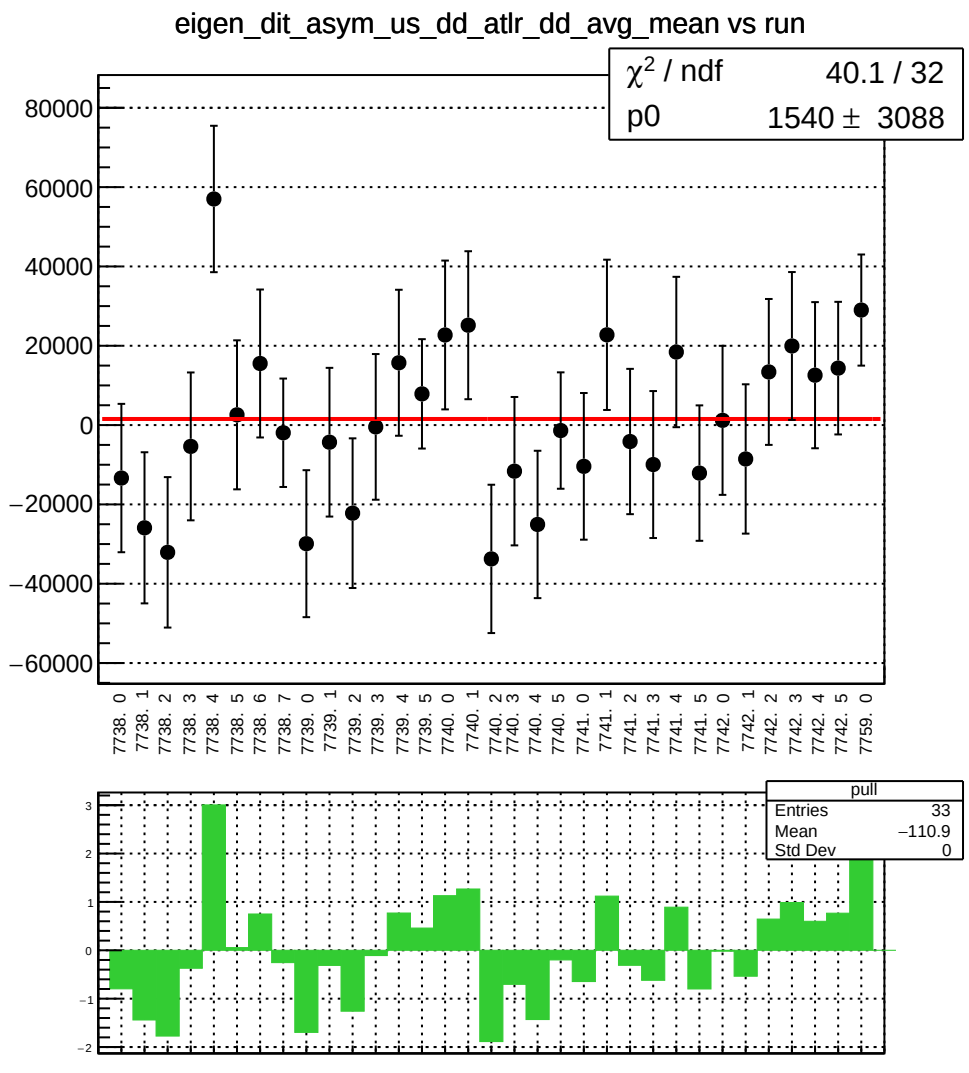

pull1D
Entries 33
Mean −0.0229
Std Dev 1.102
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

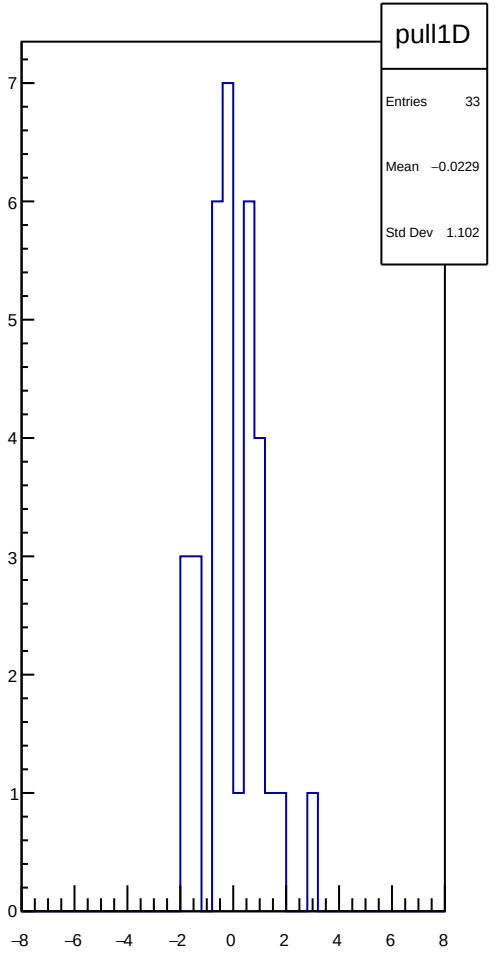

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 171 / 32
p0 1777 ± 2.183
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

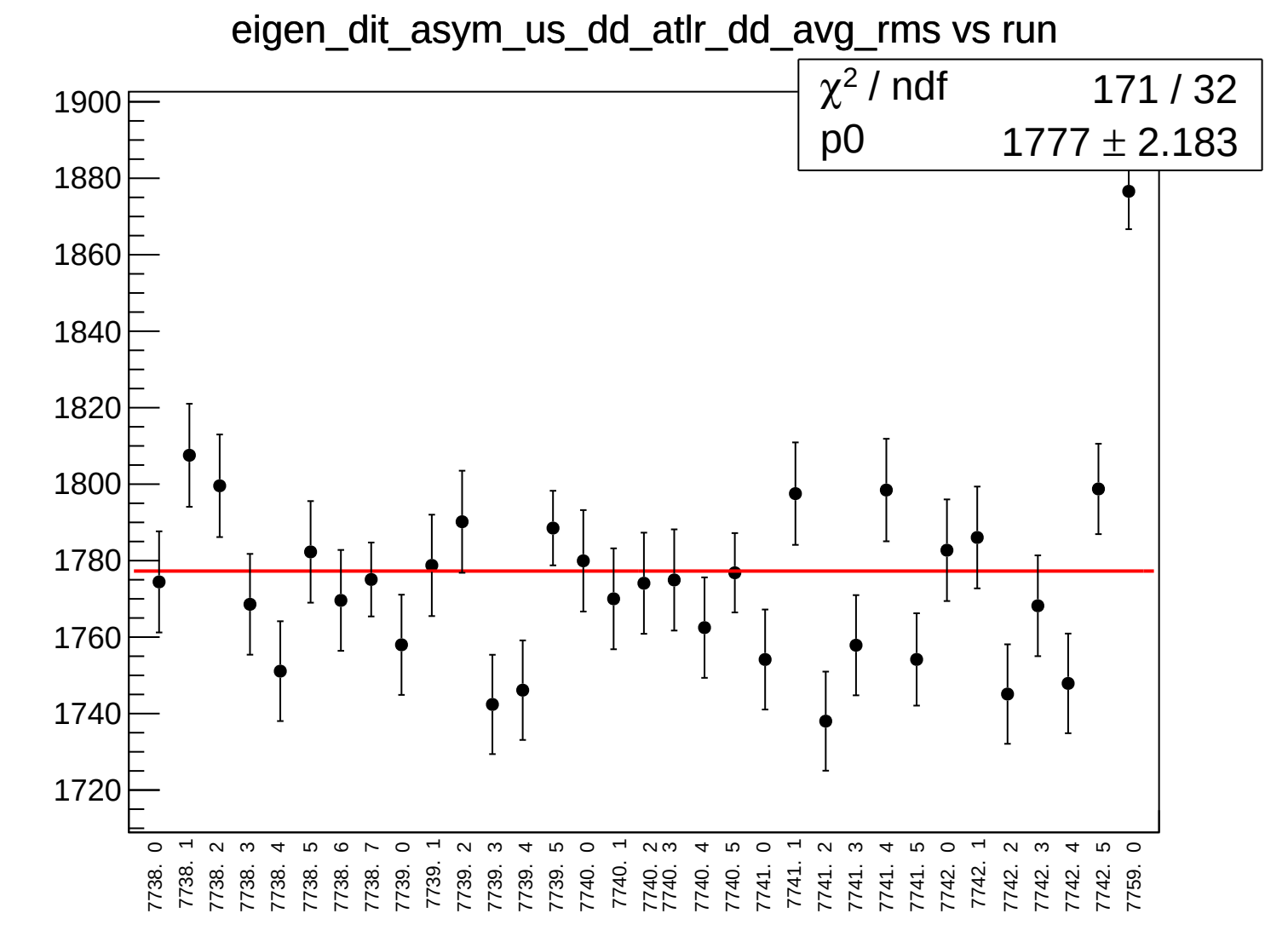

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.47 / 32
p0 −64.27 ± 6896
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −99.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

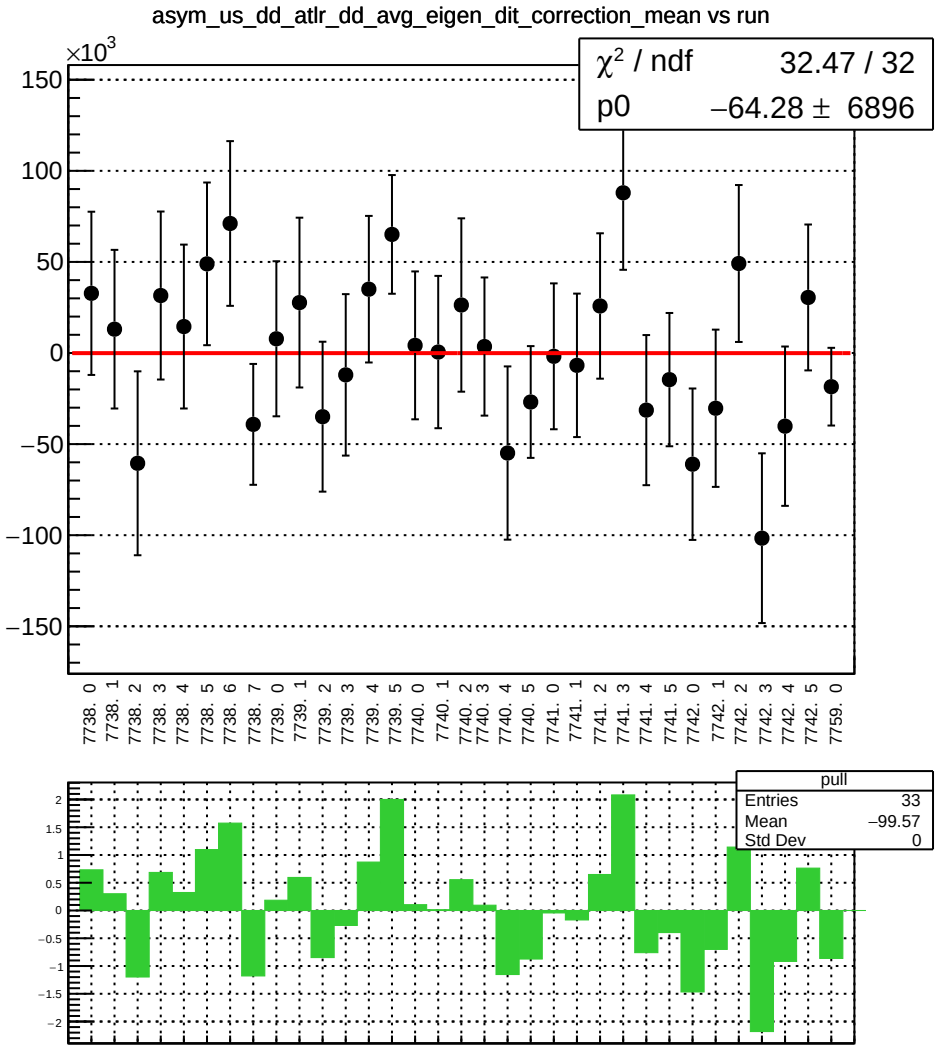

pull1D
Entries 33
Mean 0.0229
Std Dev 0.9917
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

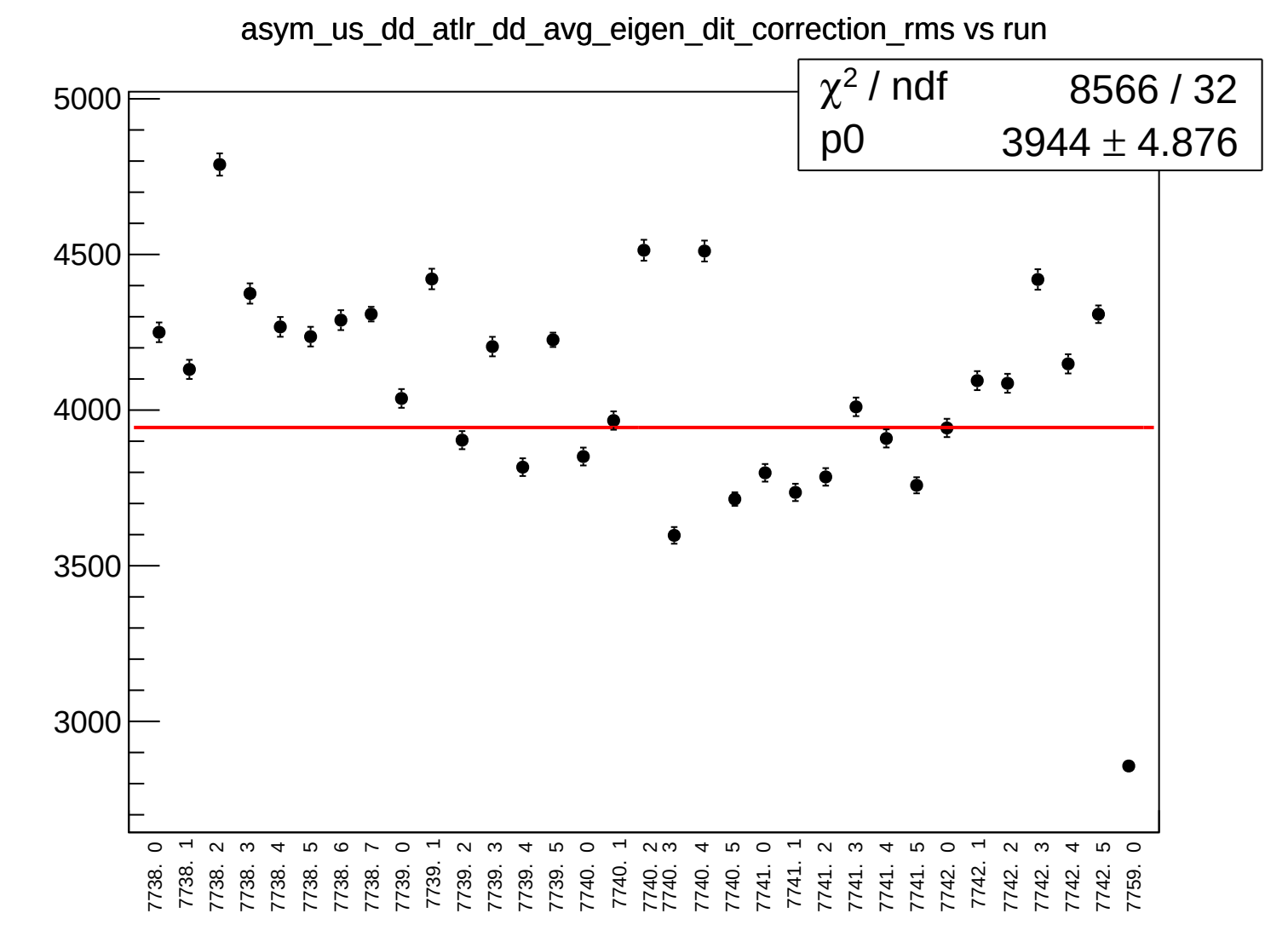

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 8565 / 32
p0 3944 ± 4.876
5000
4500
4000
3500
3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

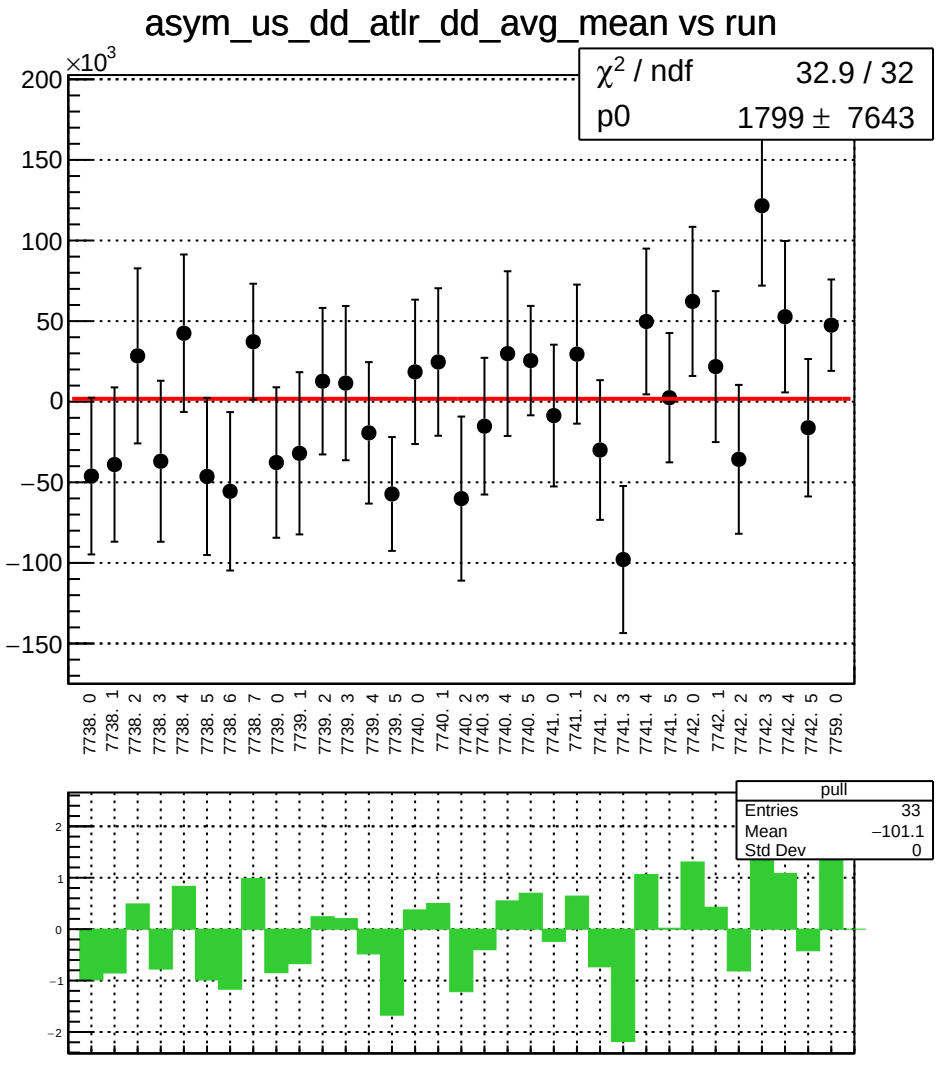

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 40.1 / 32
p0 1540 ± 3088
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −110.9
Std Dev 0
3
2
1
0
−1
−2

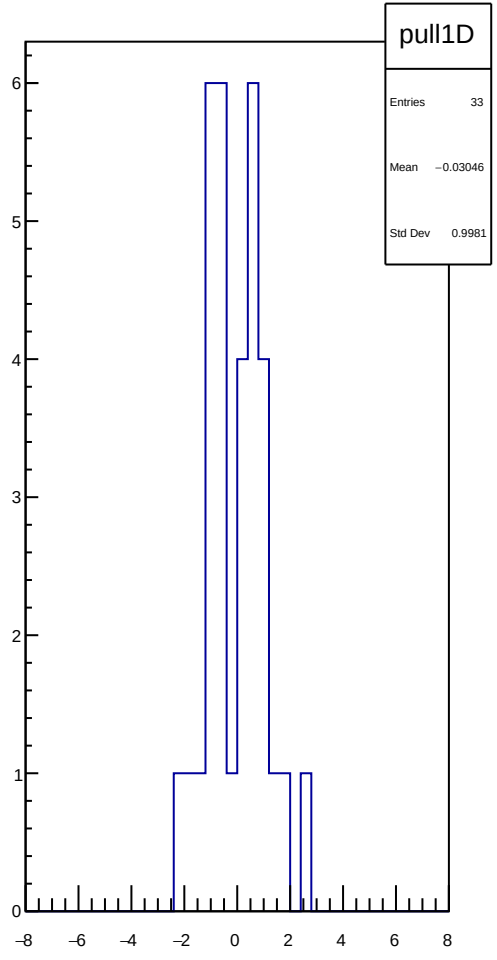

pull1D
Entries 33
Mean −0.0229
Std Dev 1.102
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

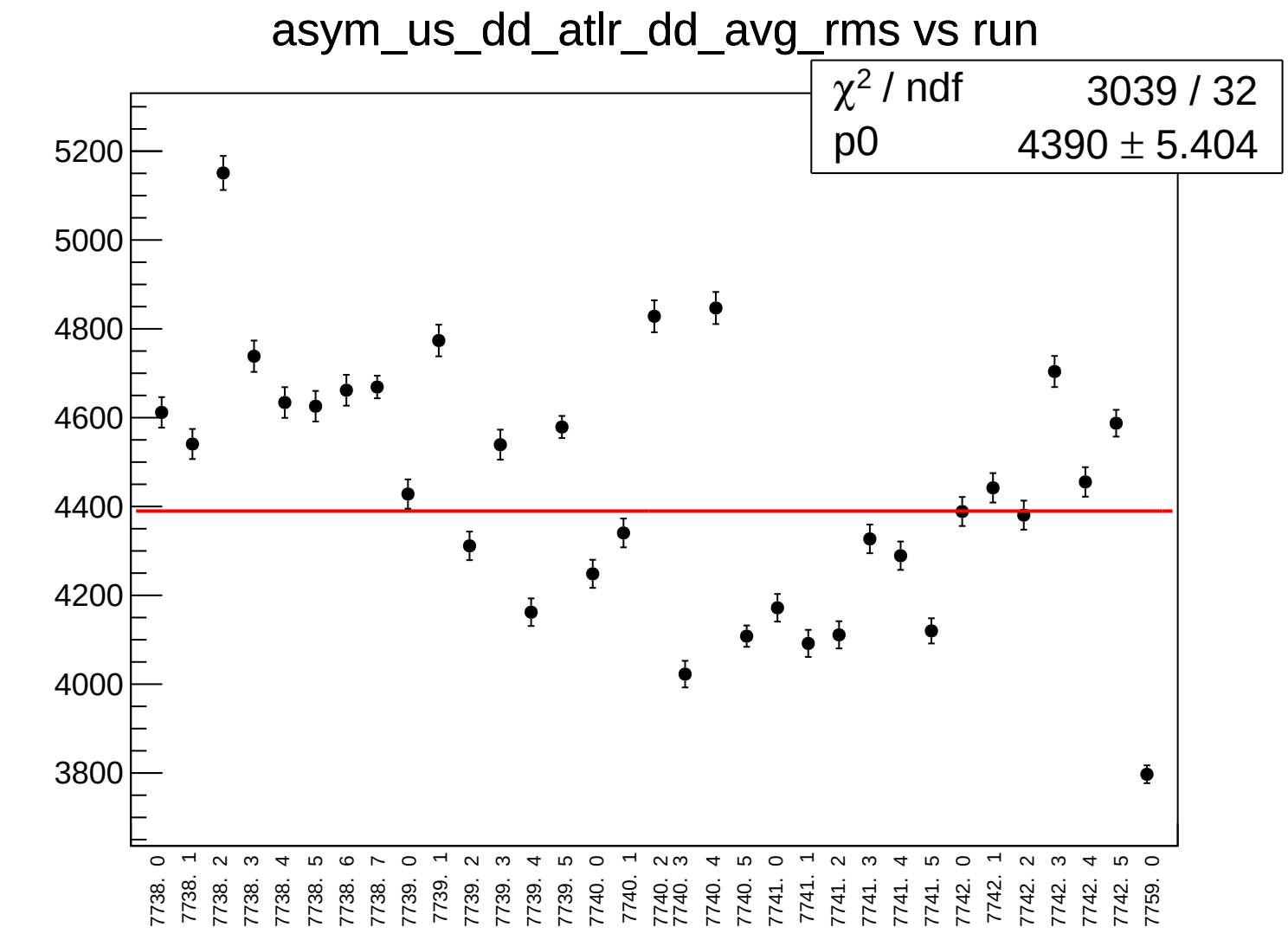

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 171 / 32
p0 1777 ± 2.183
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

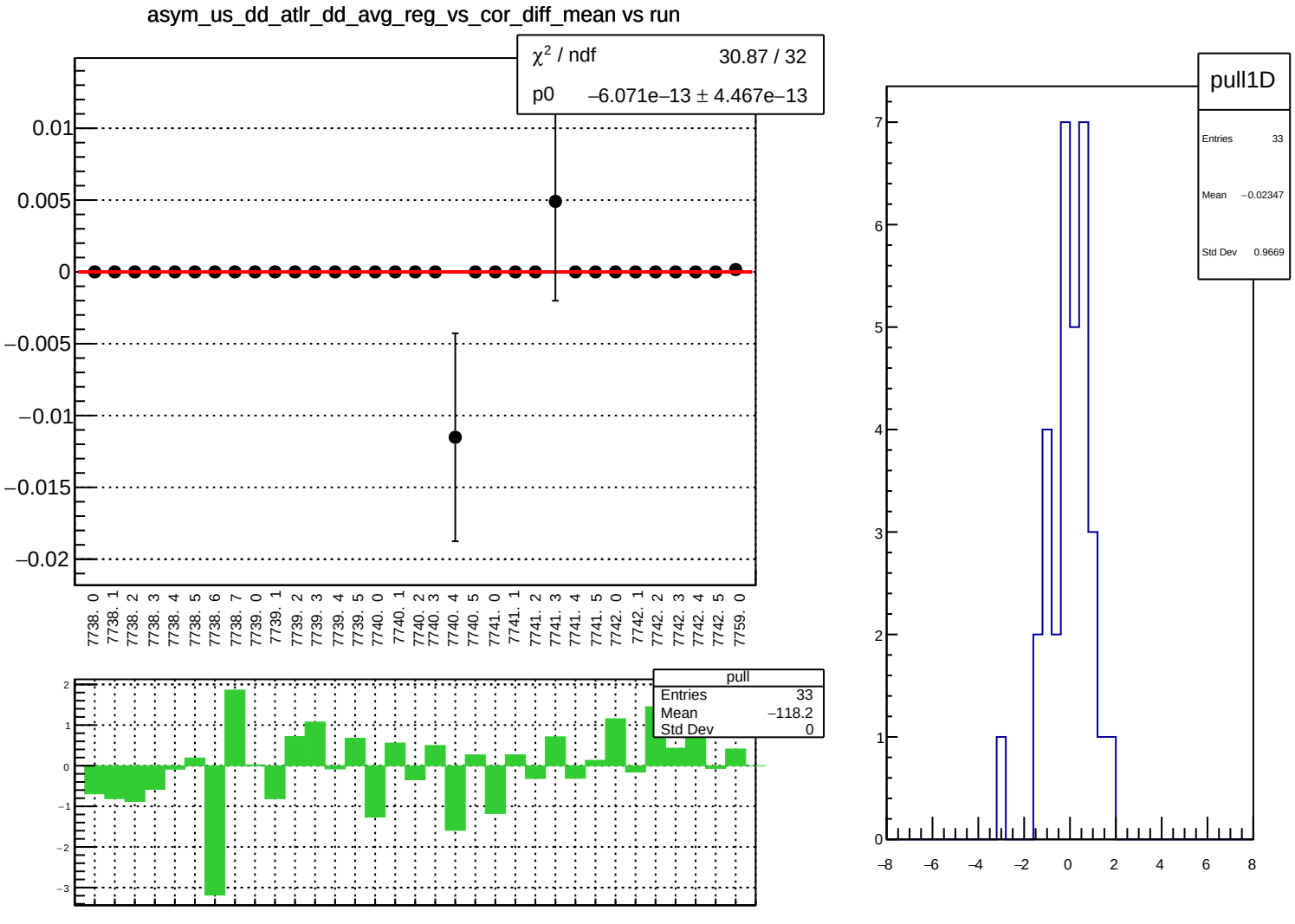

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.47 / 32
p0 −64.28 ± 6896
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −99.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.0229
Std Dev 0.9917
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

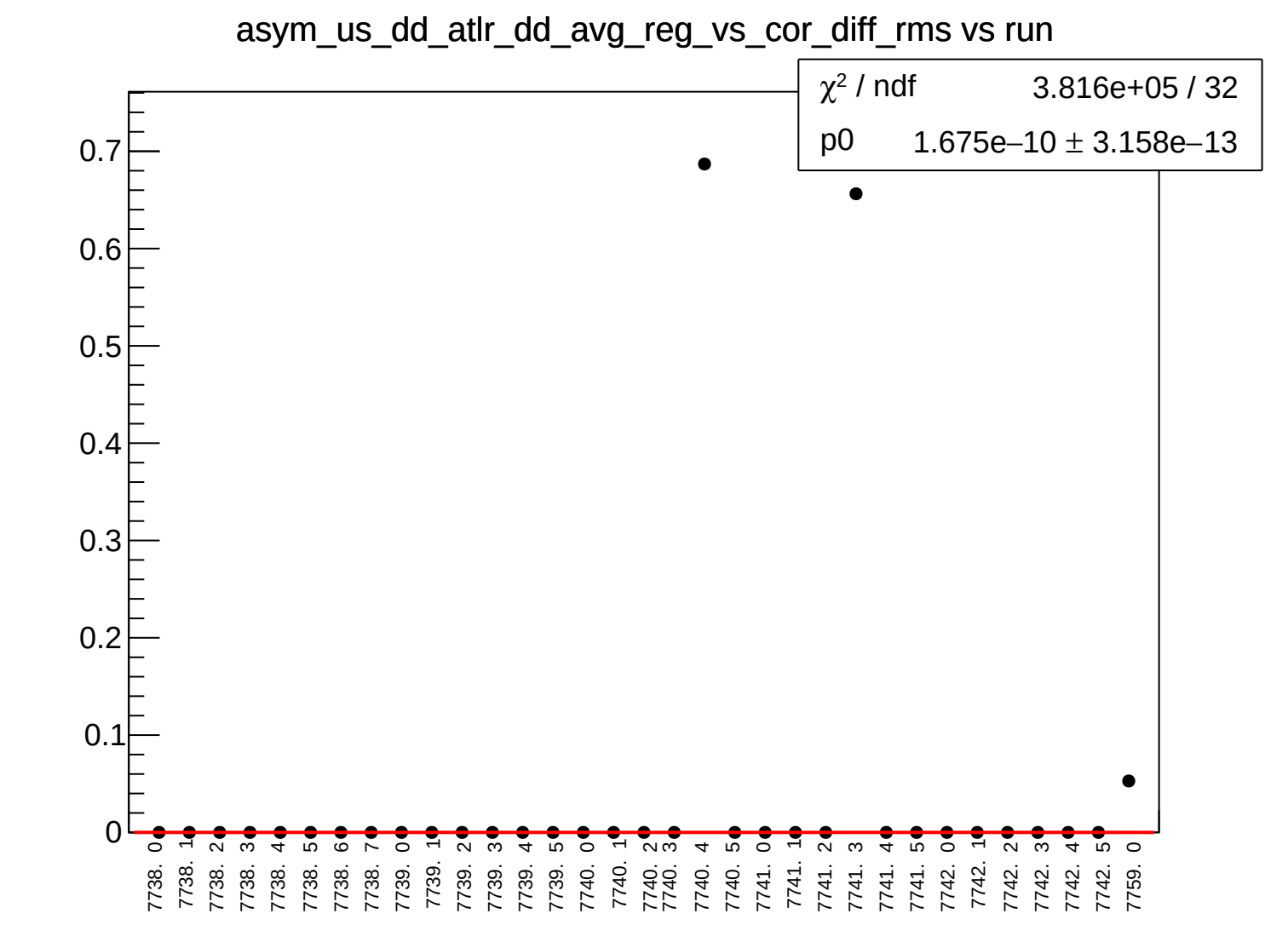

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 8566 / 32
p0 3944 ± 4.876
5000
4500
4000
3500
3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

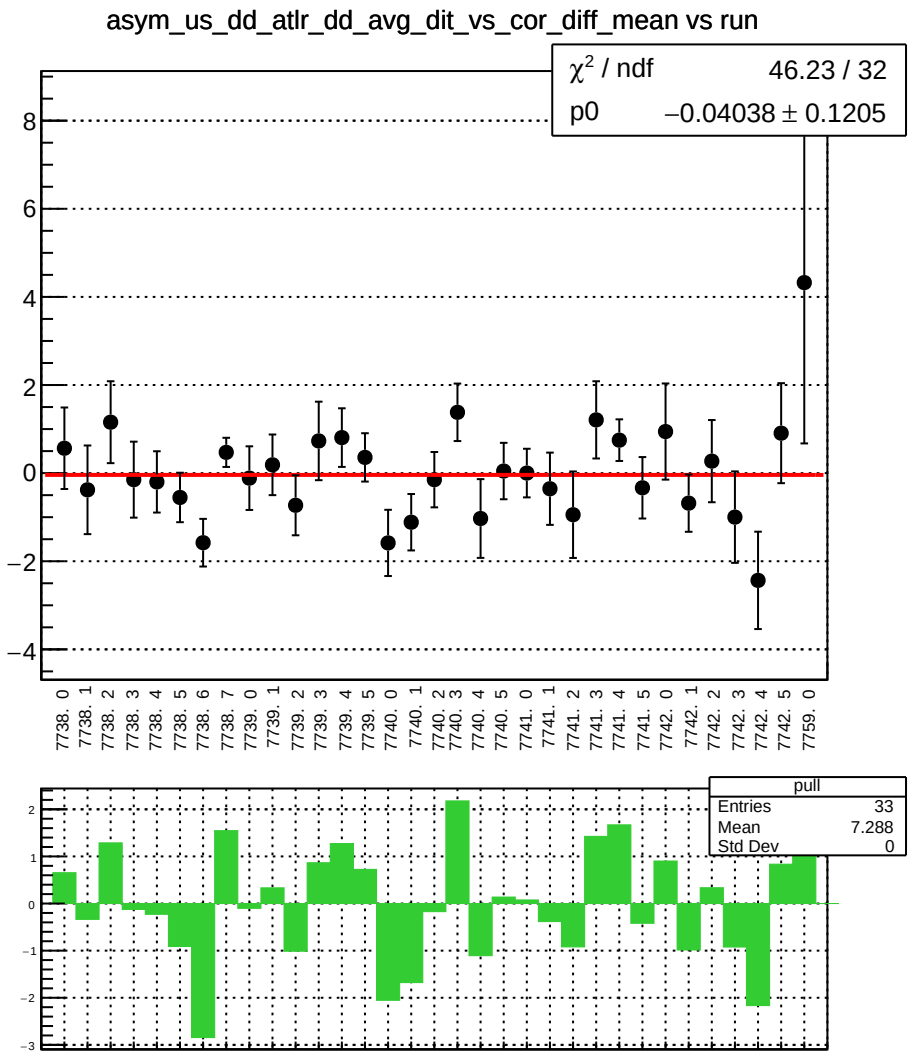

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 32.9 / 32
p0 1799 ± 7643
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −101.1
Std Dev 0
2
1
0
−1
−2

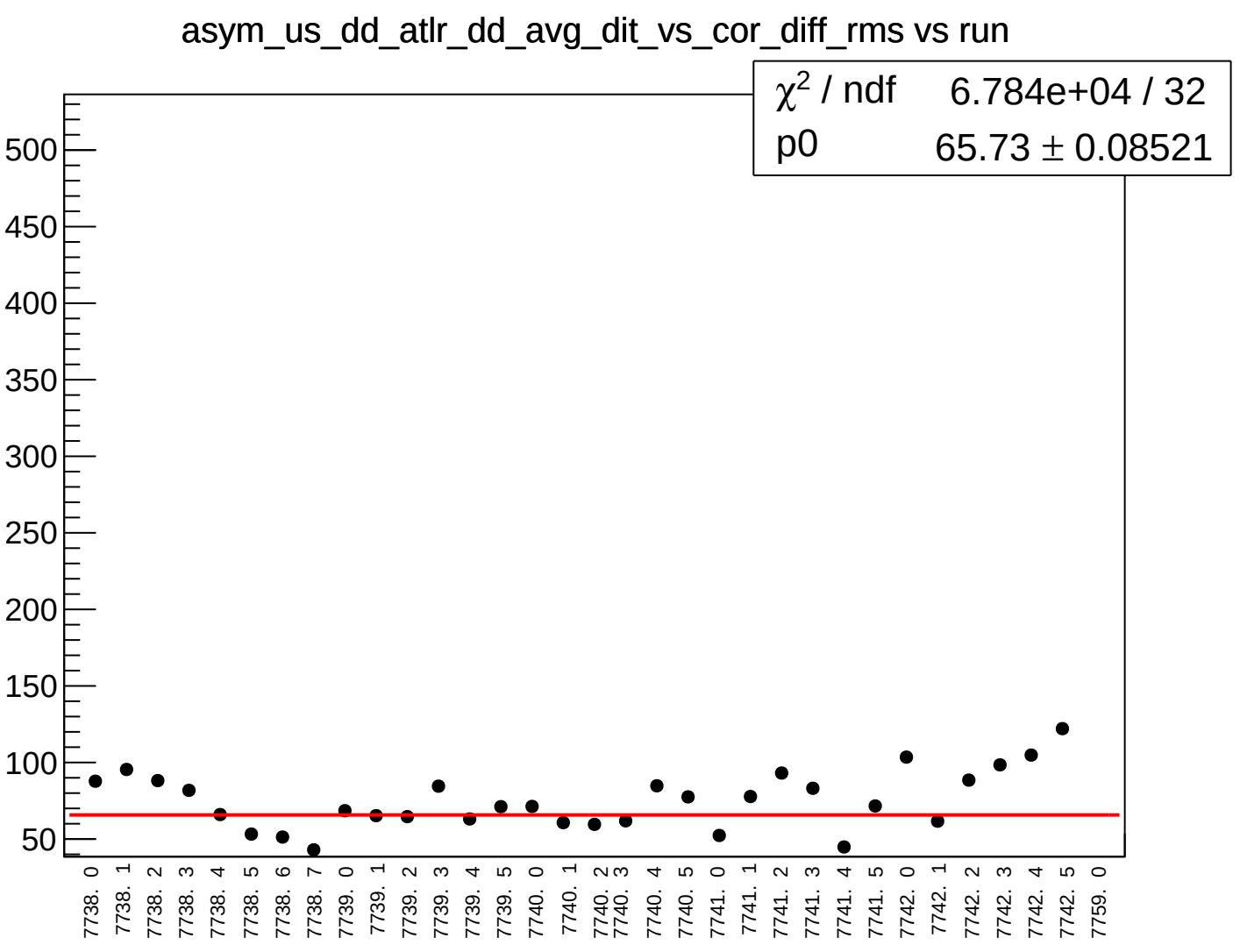

pull1D
Entries 33
Mean −0.03046
Std Dev 0.9981
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

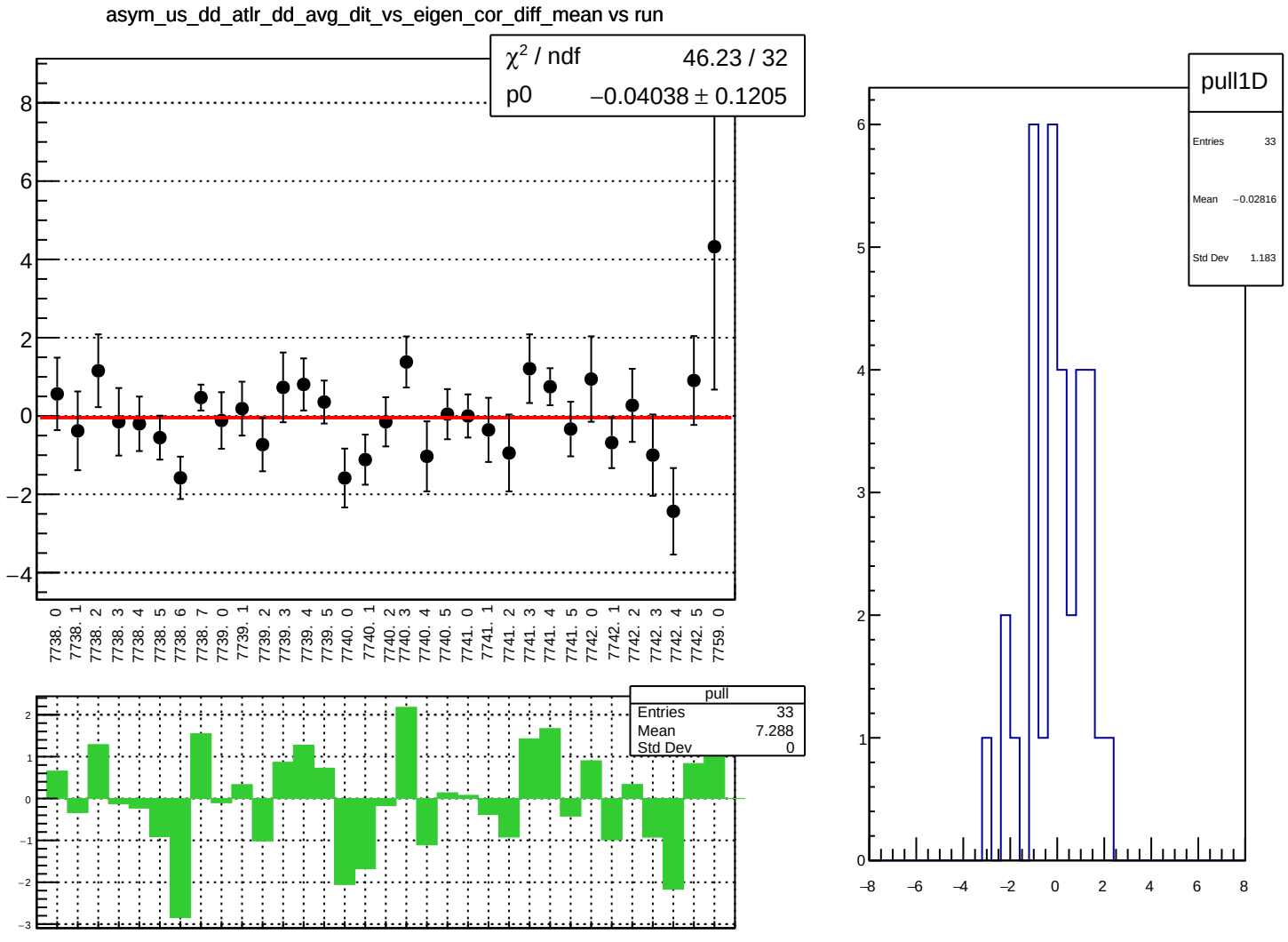

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 3039 / 32
p0 4390 ± 5.404
5200
5000
4800
4600
4400
4200
4000
3800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

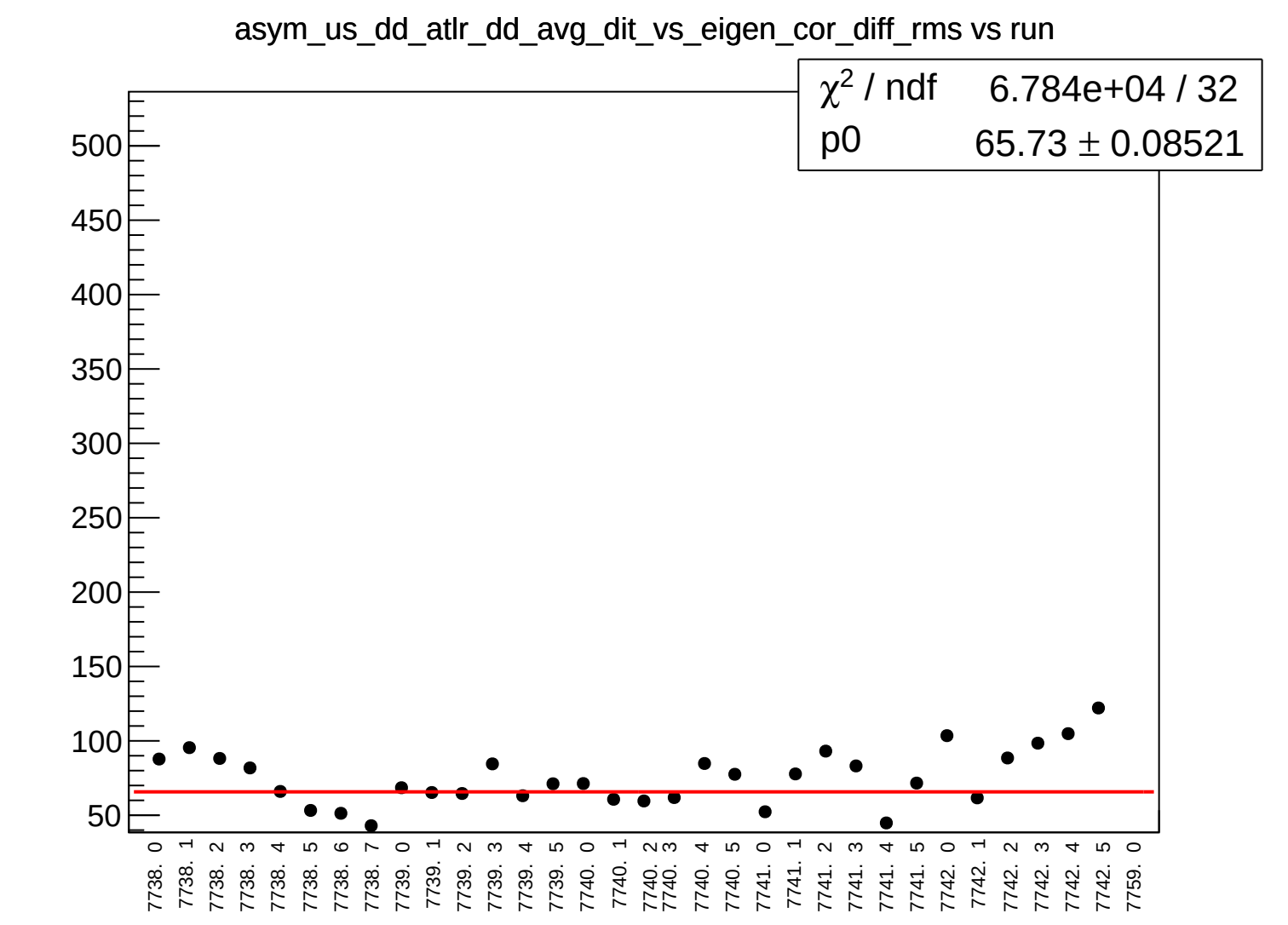

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 30.87 / 32
p0 −6.071e−13 ± 4.467e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −118.2
Std Dev 0
pull1D
Entries 33
Mean −0.02347
Std Dev 0.9669

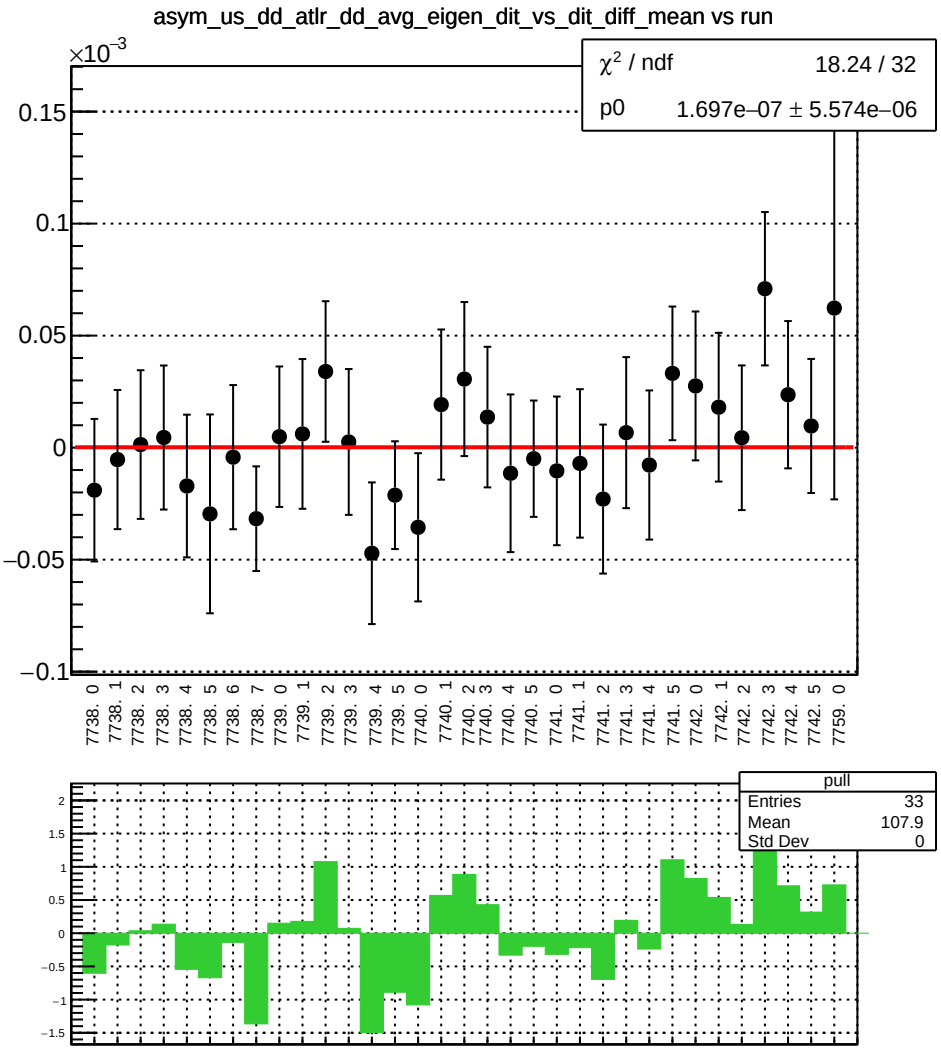

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.816e+05 / 32
p0 1.675e−10 ± 3.158e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

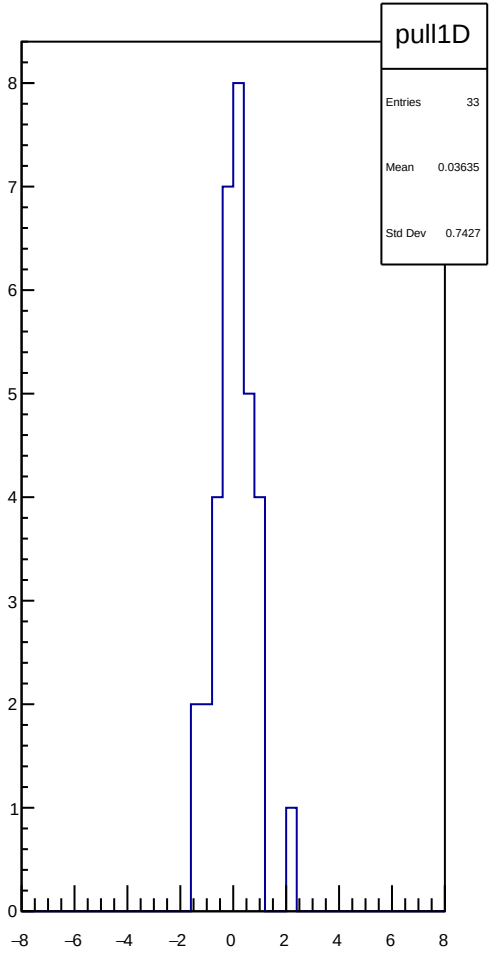

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.23 / 32
p0 −0.04038 ± 0.1205
8
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.288
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.02816
Std Dev 1.183
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

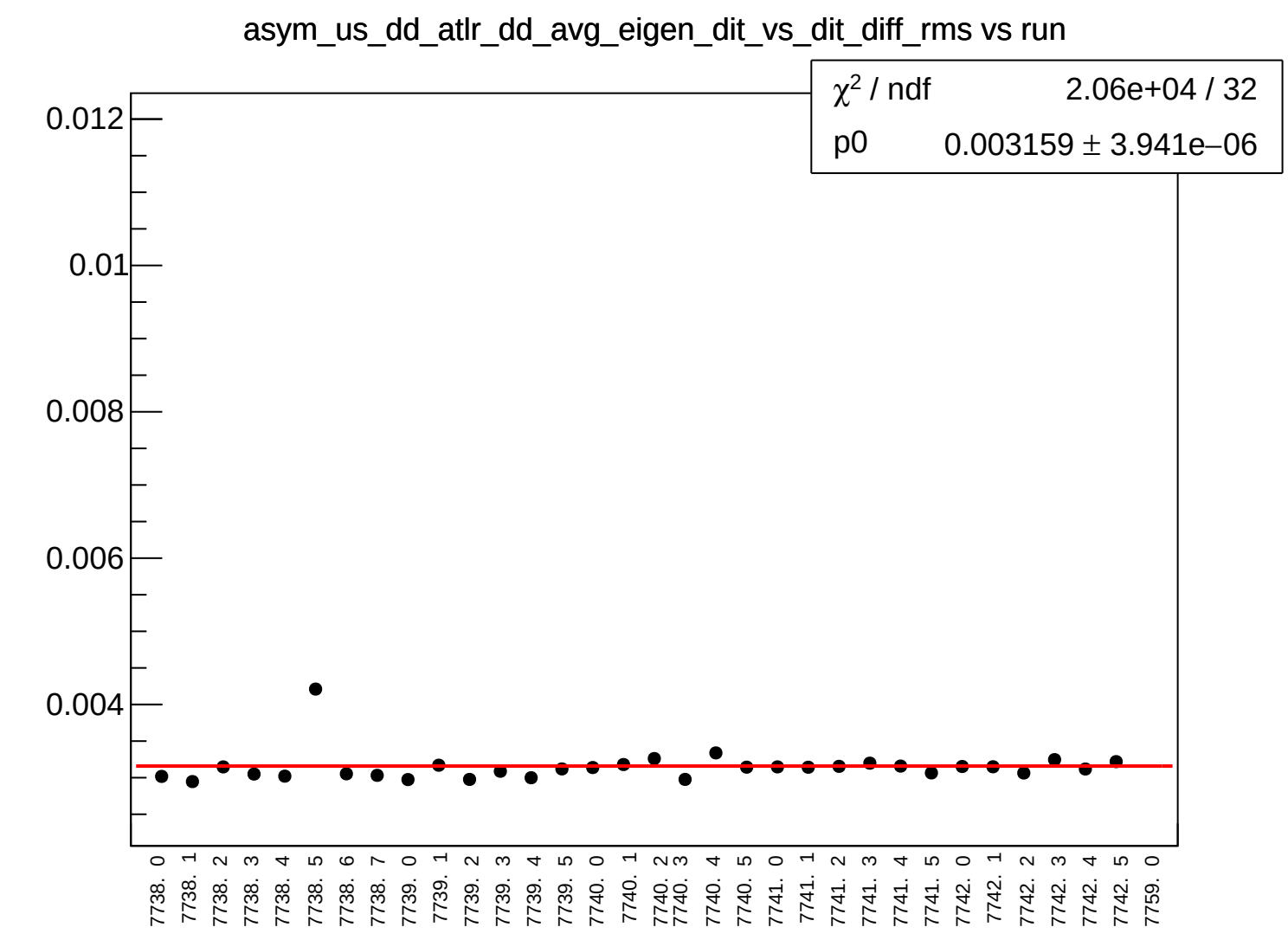

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.784e+04 / 32
p0 65.73 ± 0.08521
500
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

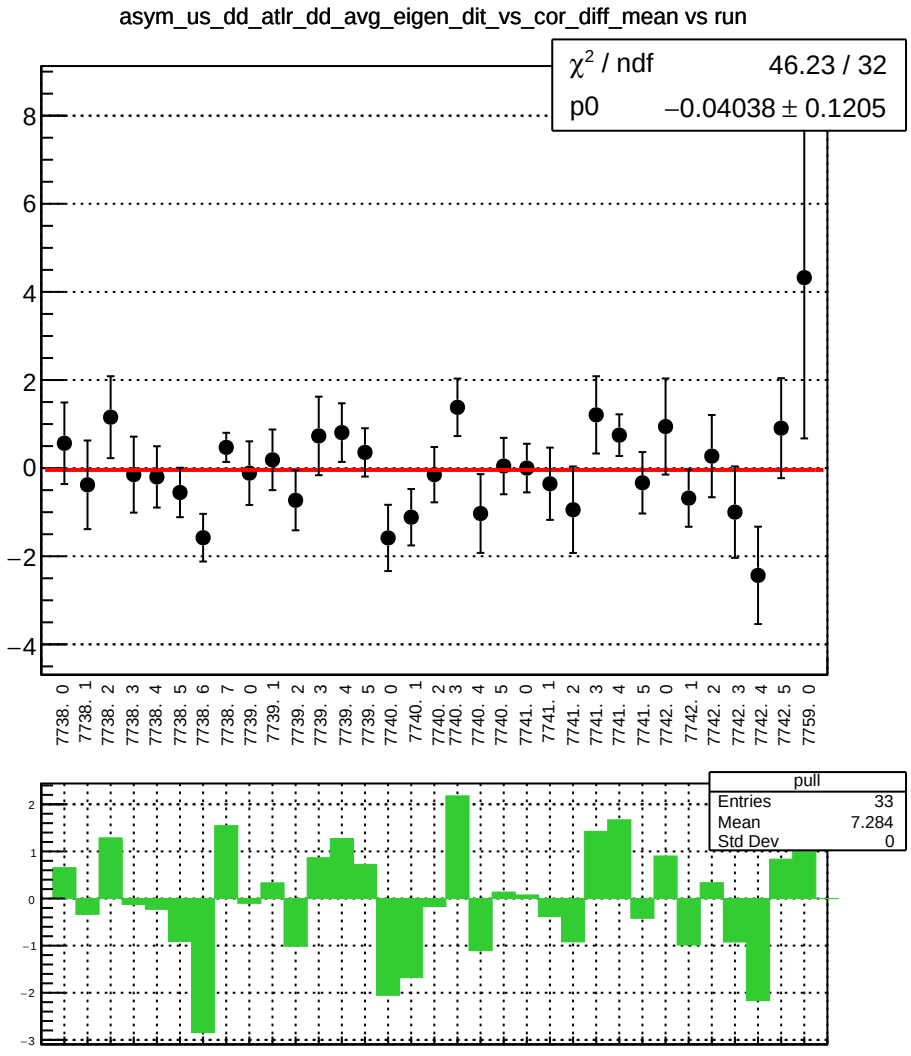

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.23 / 32
p0 −0.04038 ± 0.1205
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.288
Std Dev 0
pull1D
Entries 33
Mean −0.02816
Std Dev 1.183

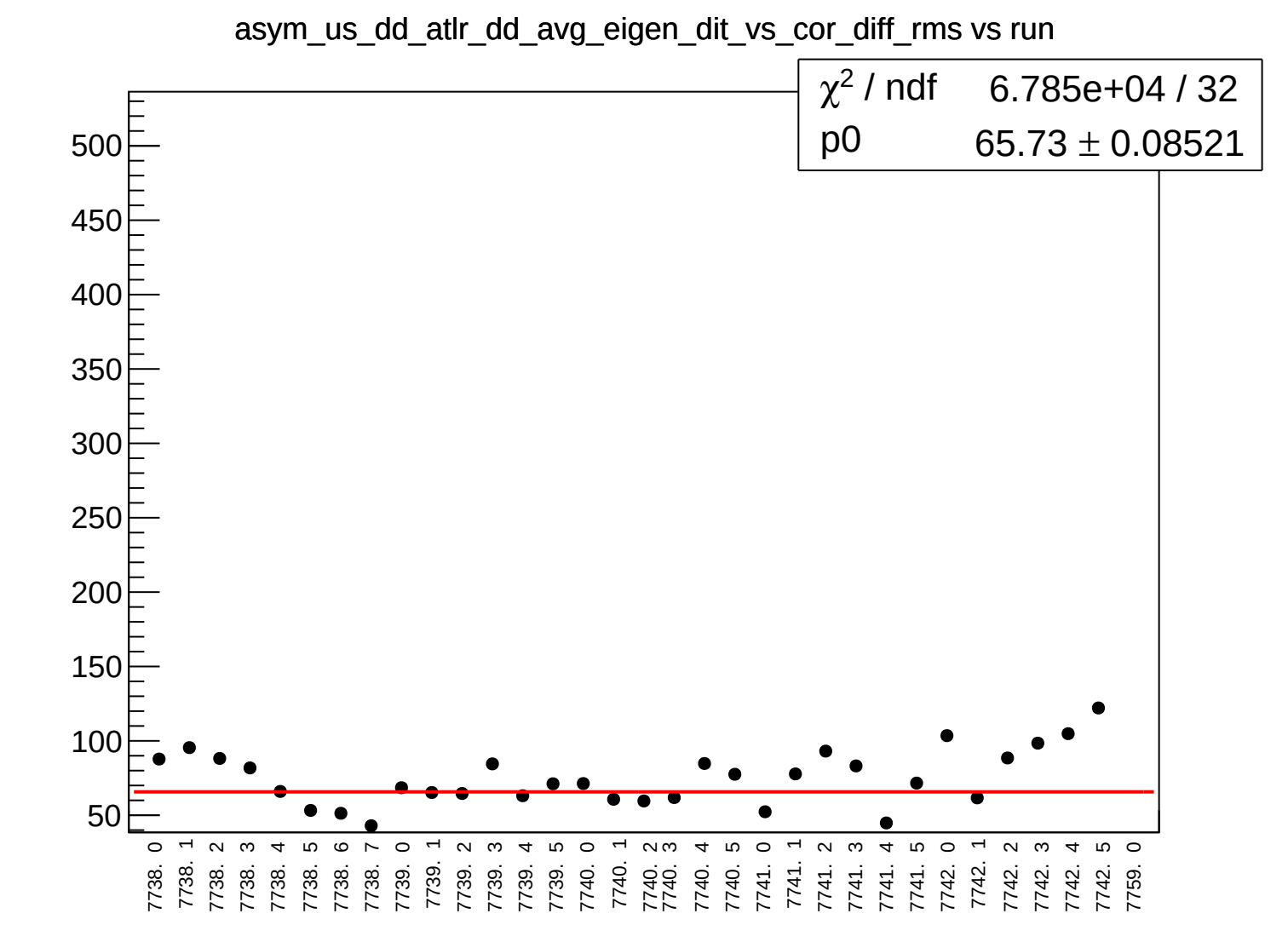

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 6.784e+04 / 32
p0 65.73 ± 0.08521
500
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

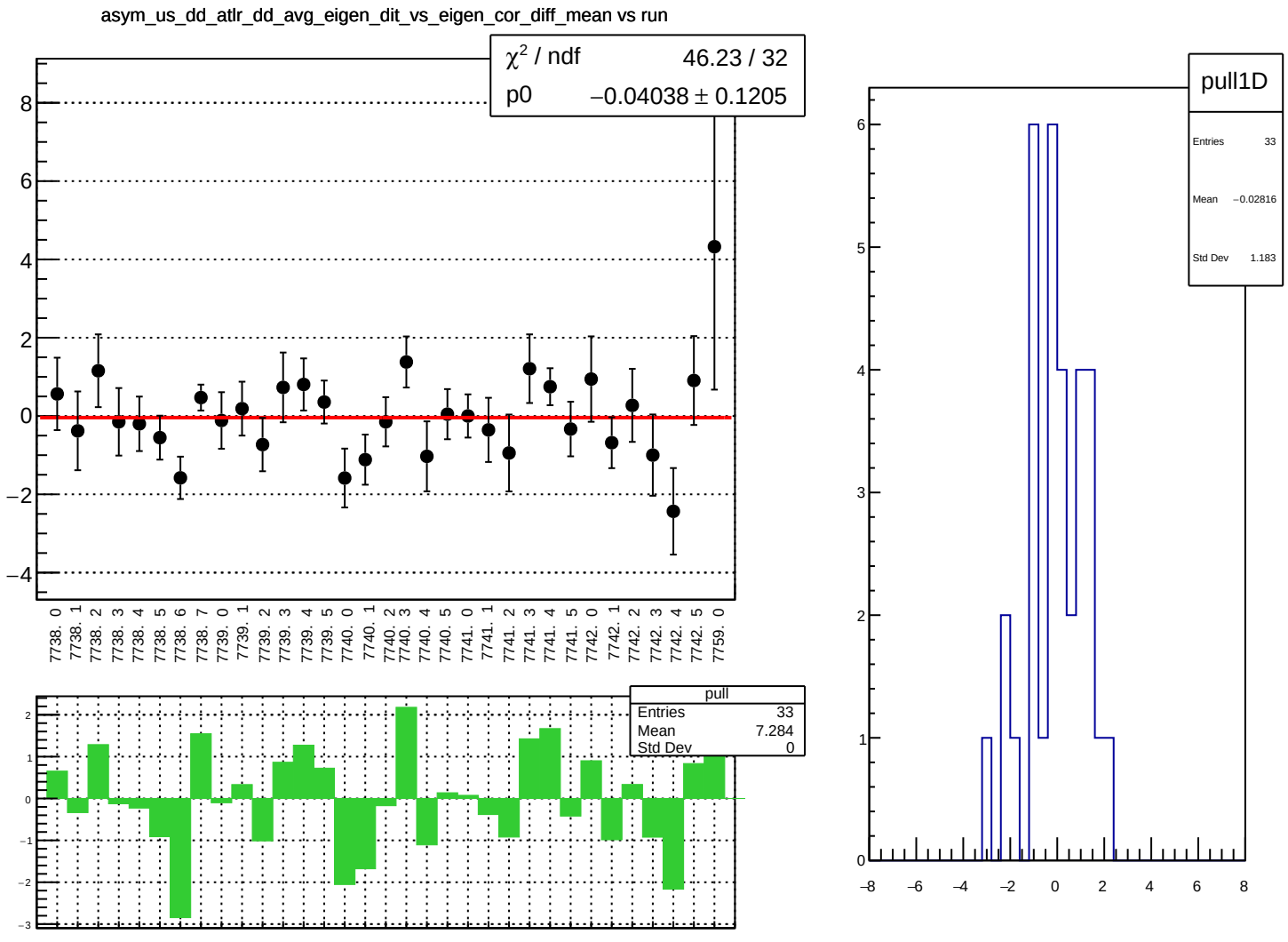

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 18.24 / 32
p0 1.697e−07 ± 5.574e−06
0.15
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

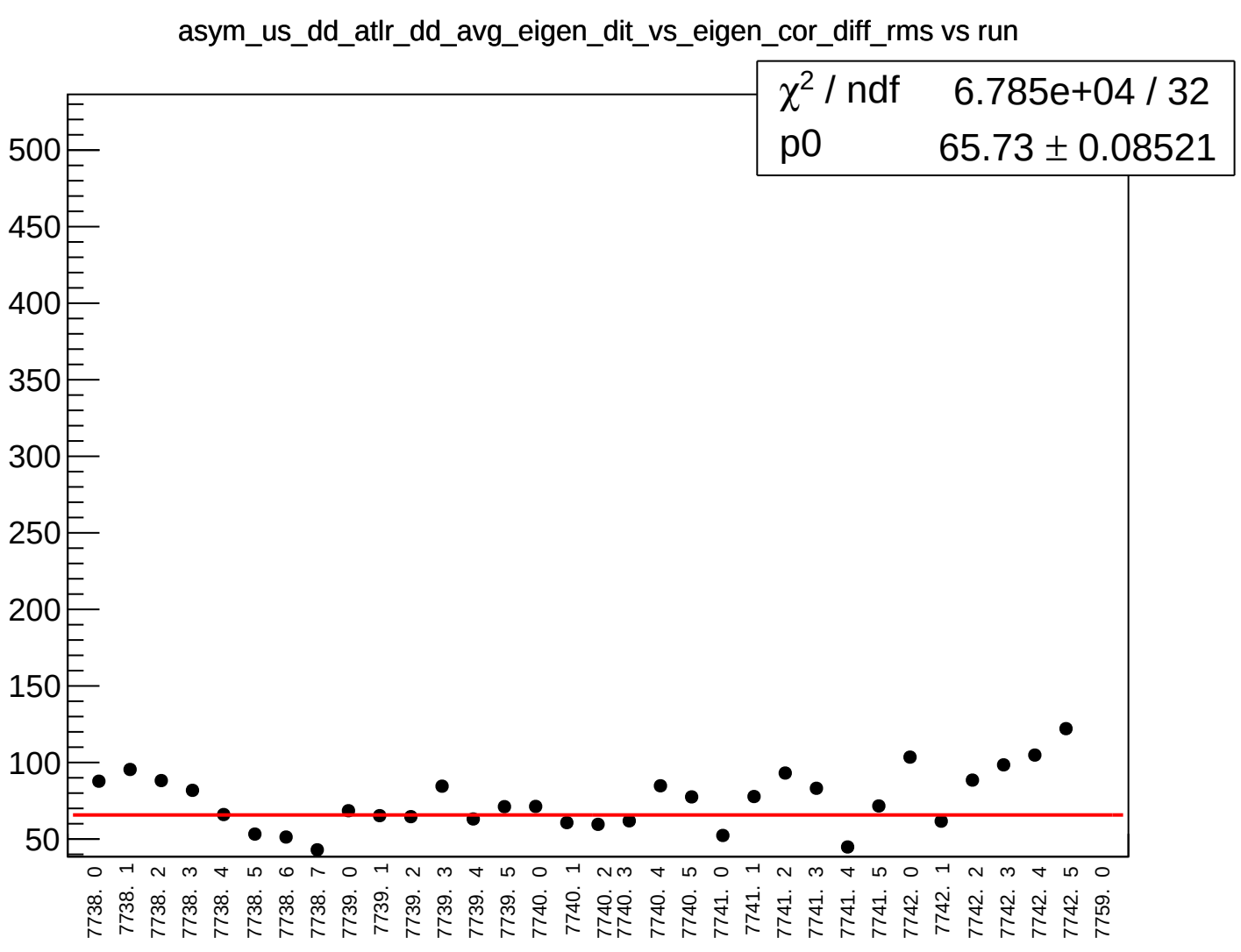

pull1D
Entries 33
Mean 0.03635
Std Dev 0.7427
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

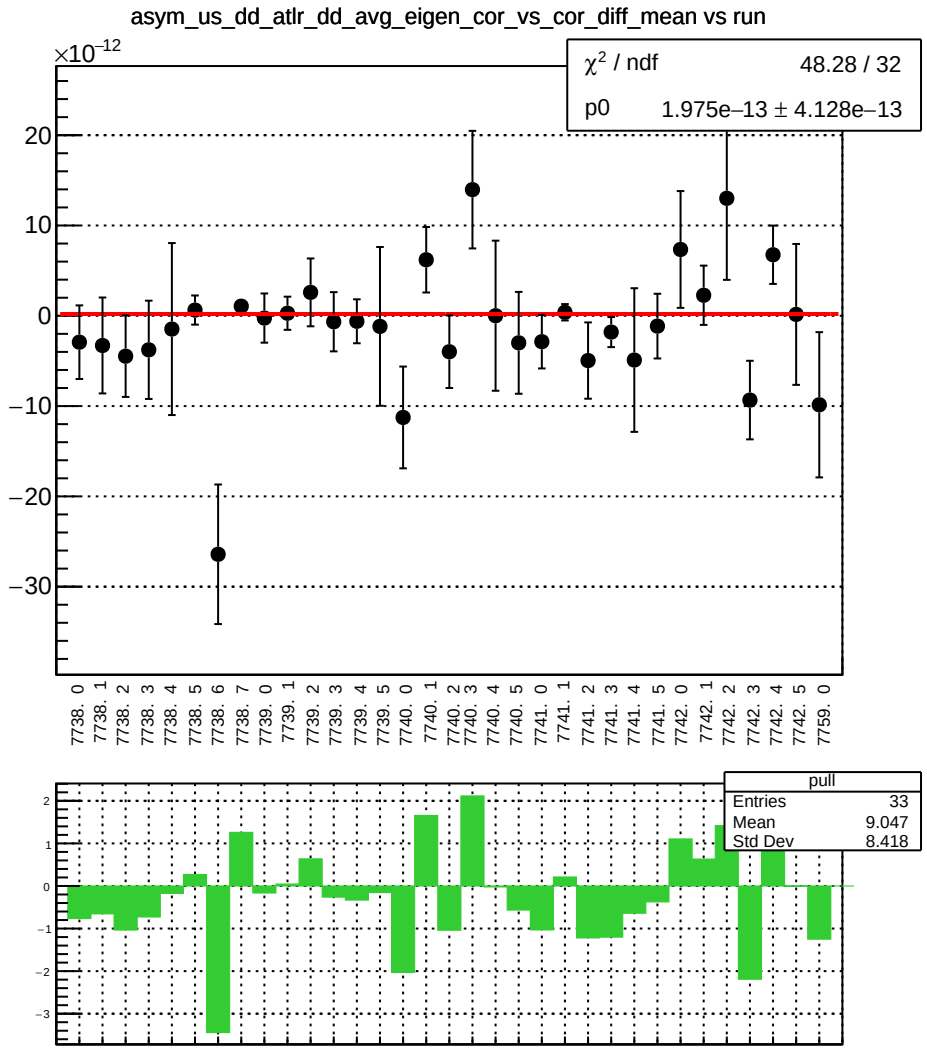

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.06e+04 / 32
p0 0.003159 ± 3.941e−06
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

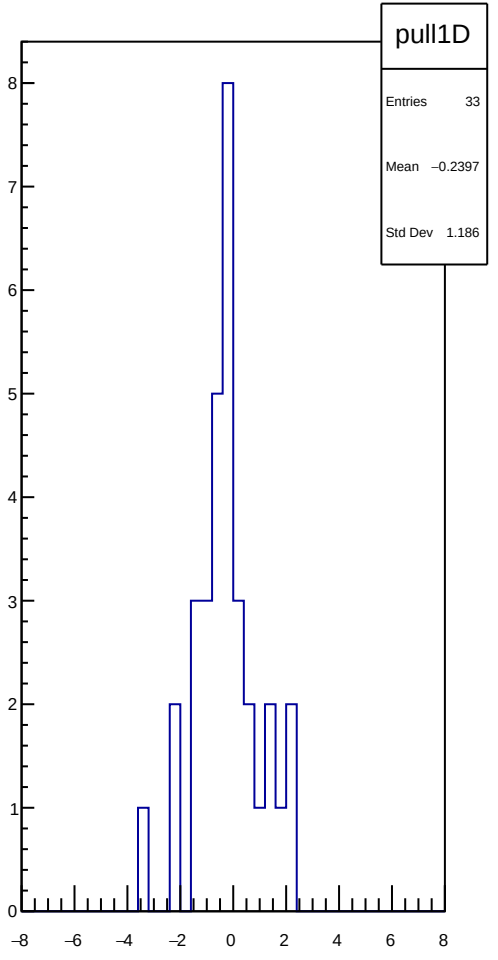

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.23 / 32
p0 −0.04038 ± 0.1205
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.284
Std Dev 0
pull1D
Entries 33
Mean −0.02816
Std Dev 1.183

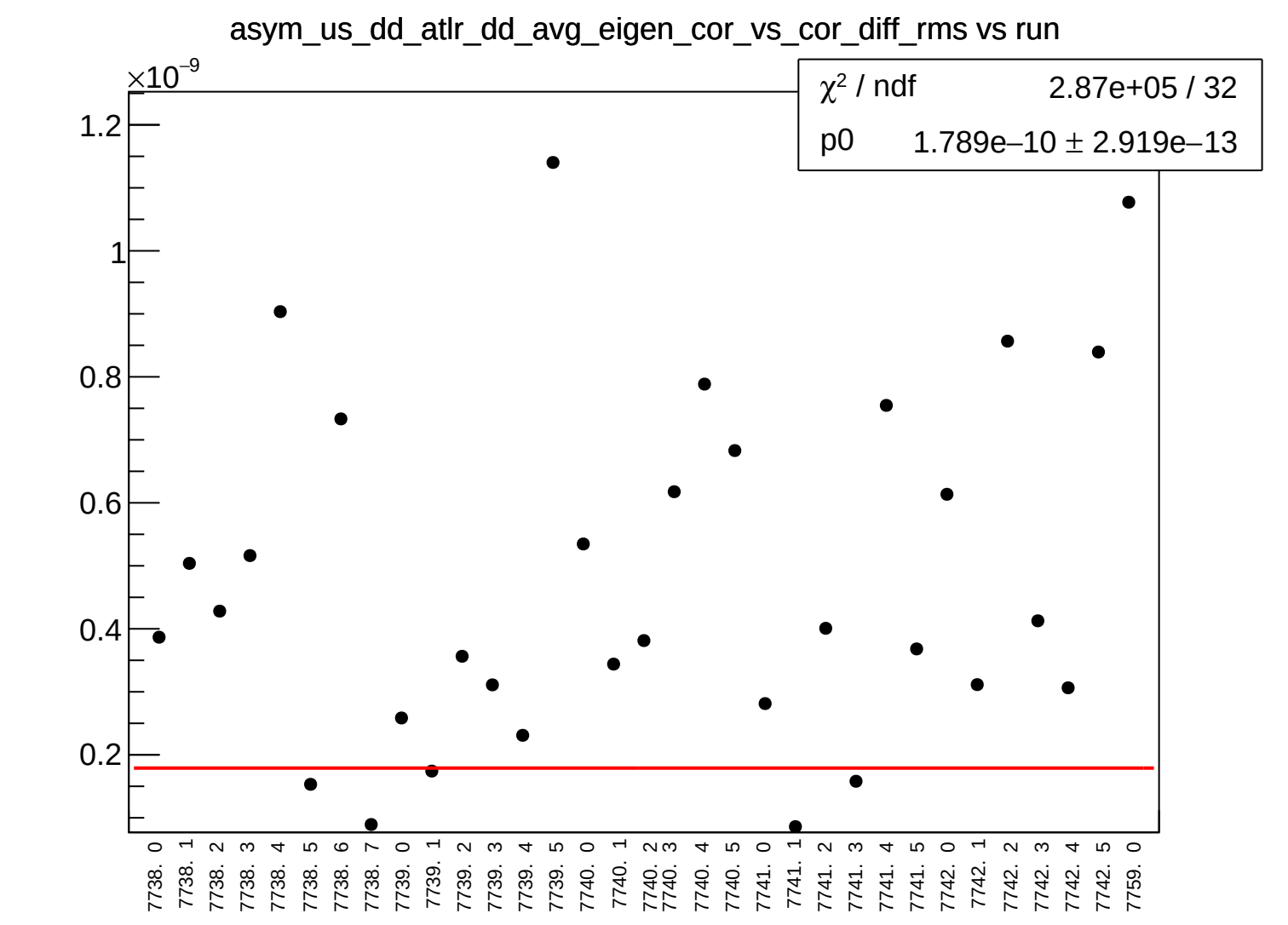

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 6.785e+04 / 32
p0 65.73 ± 0.08521
500
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

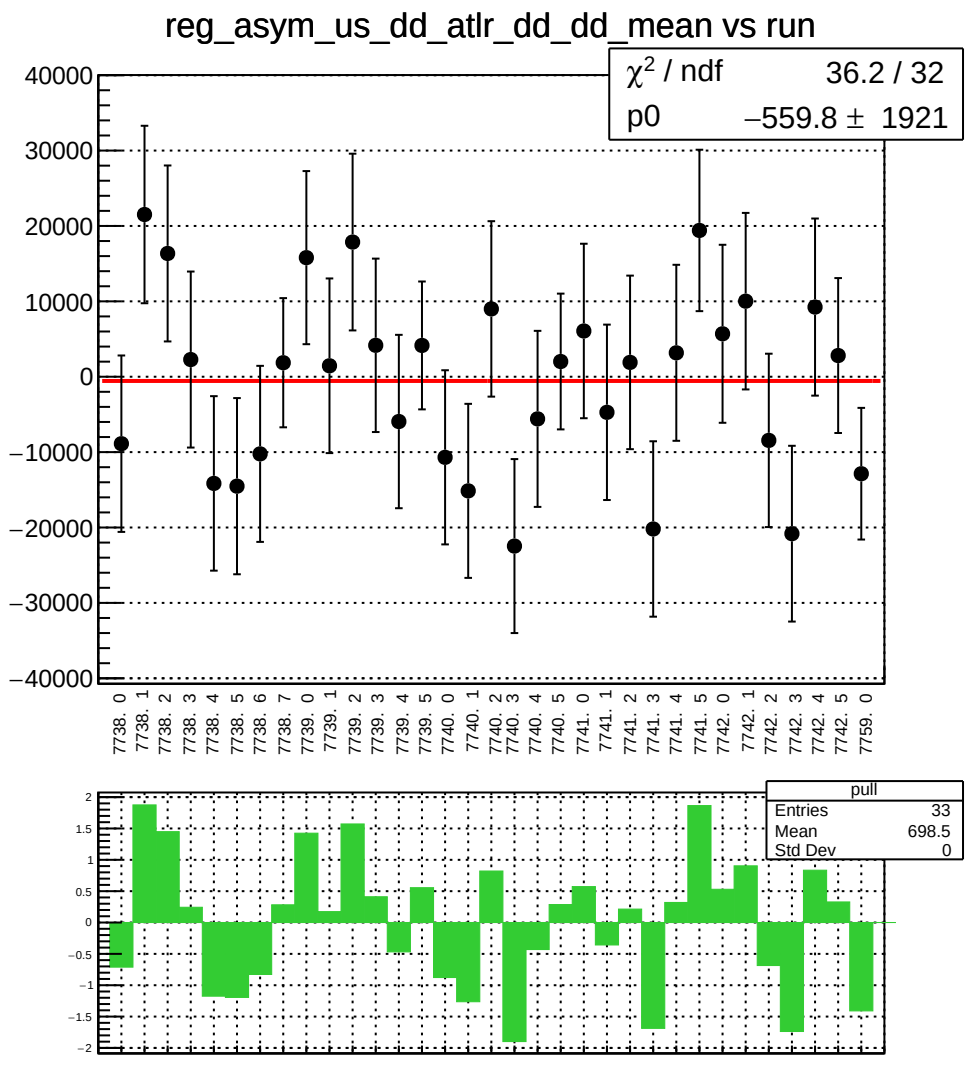

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.23 / 32
p0 −0.04038 ± 0.1205
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.284
Std Dev 0
pull1D
Entries 33
Mean −0.02816
Std Dev 1.183

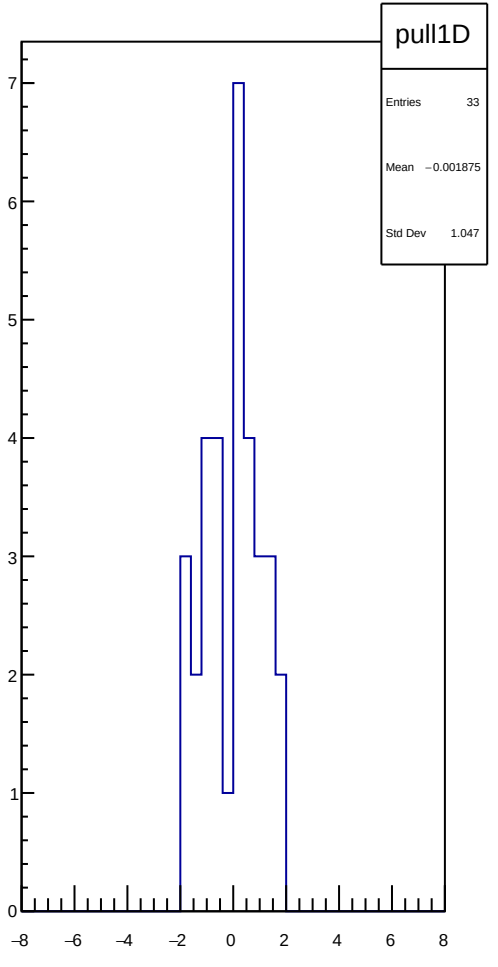

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 6.785e+04 / 32
p0 65.73 ± 0.08521
500
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

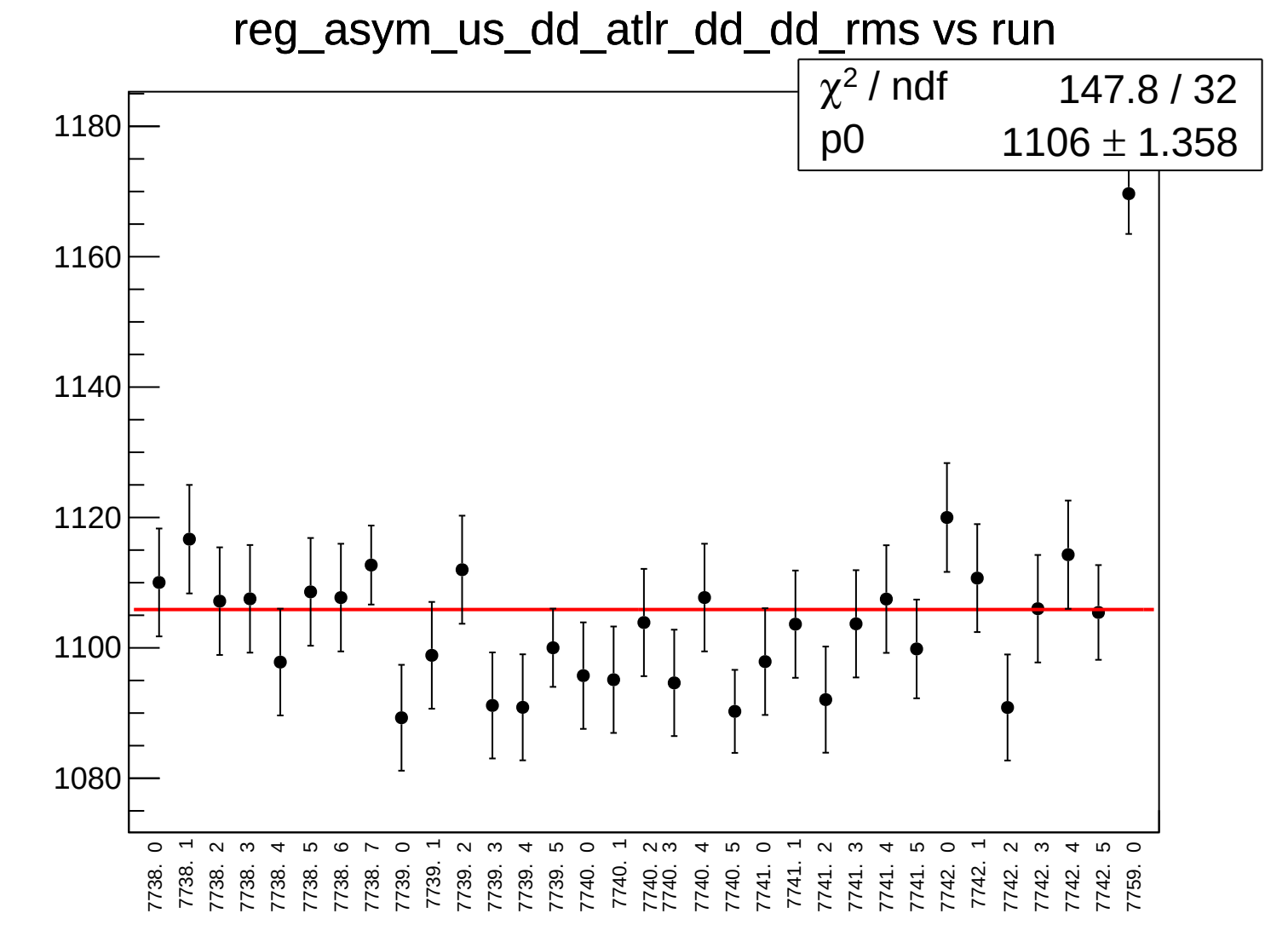

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.28 / 32
p0 1.975e−13 ± 4.128e−13
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.047
Std Dev 8.418
2
1
0
−1
−2
−3

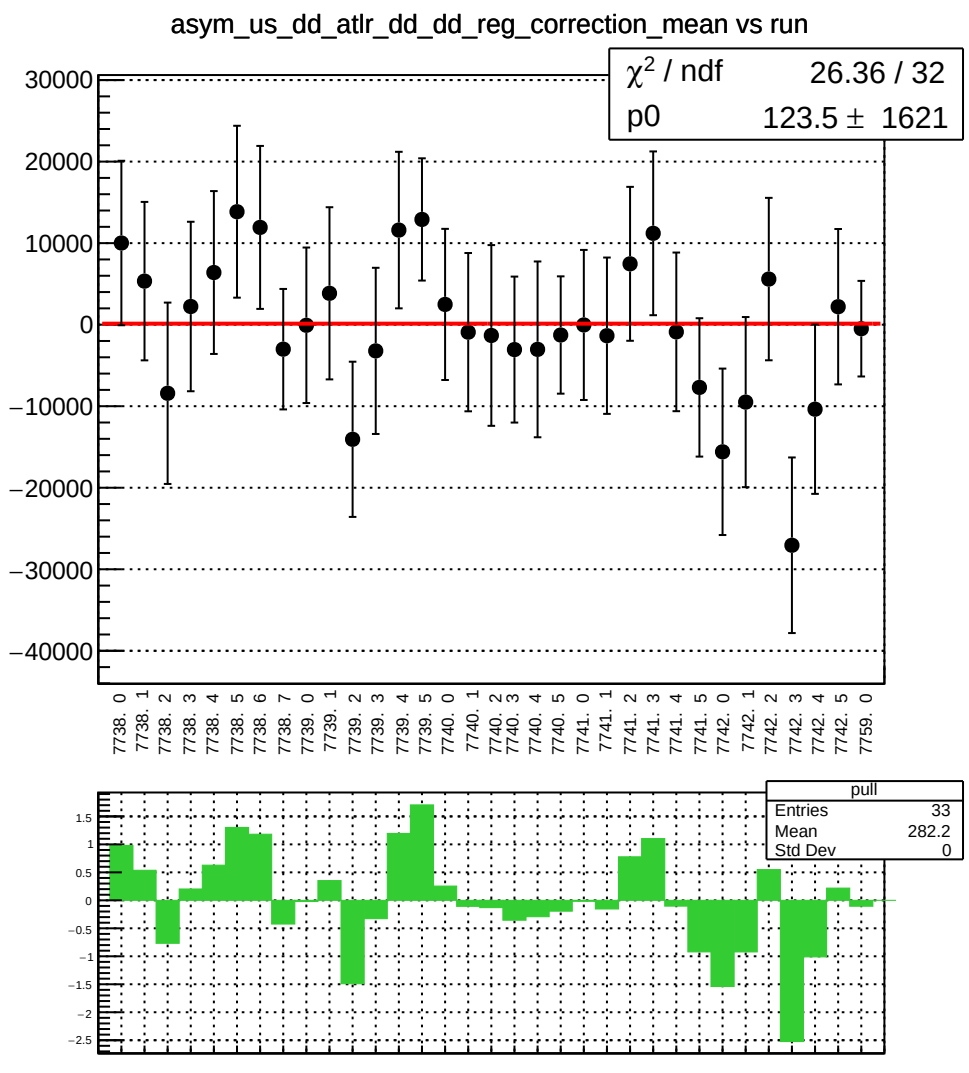

pull1D
Entries 33
Mean −0.2397
Std Dev 1.186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

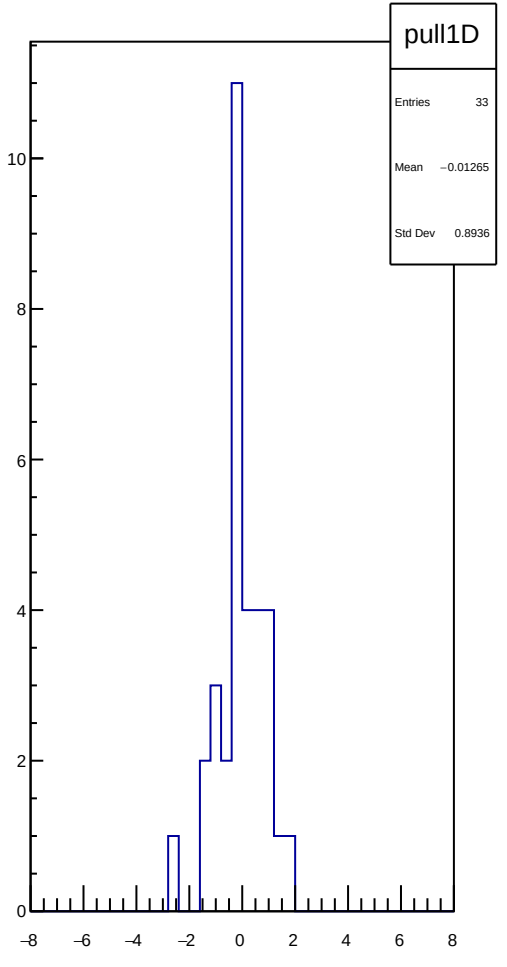

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.87e+05 / 32
p0 1.789e−10 ± 2.919e−13
1.2
1
0.8
0.6
0.4
0.2
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

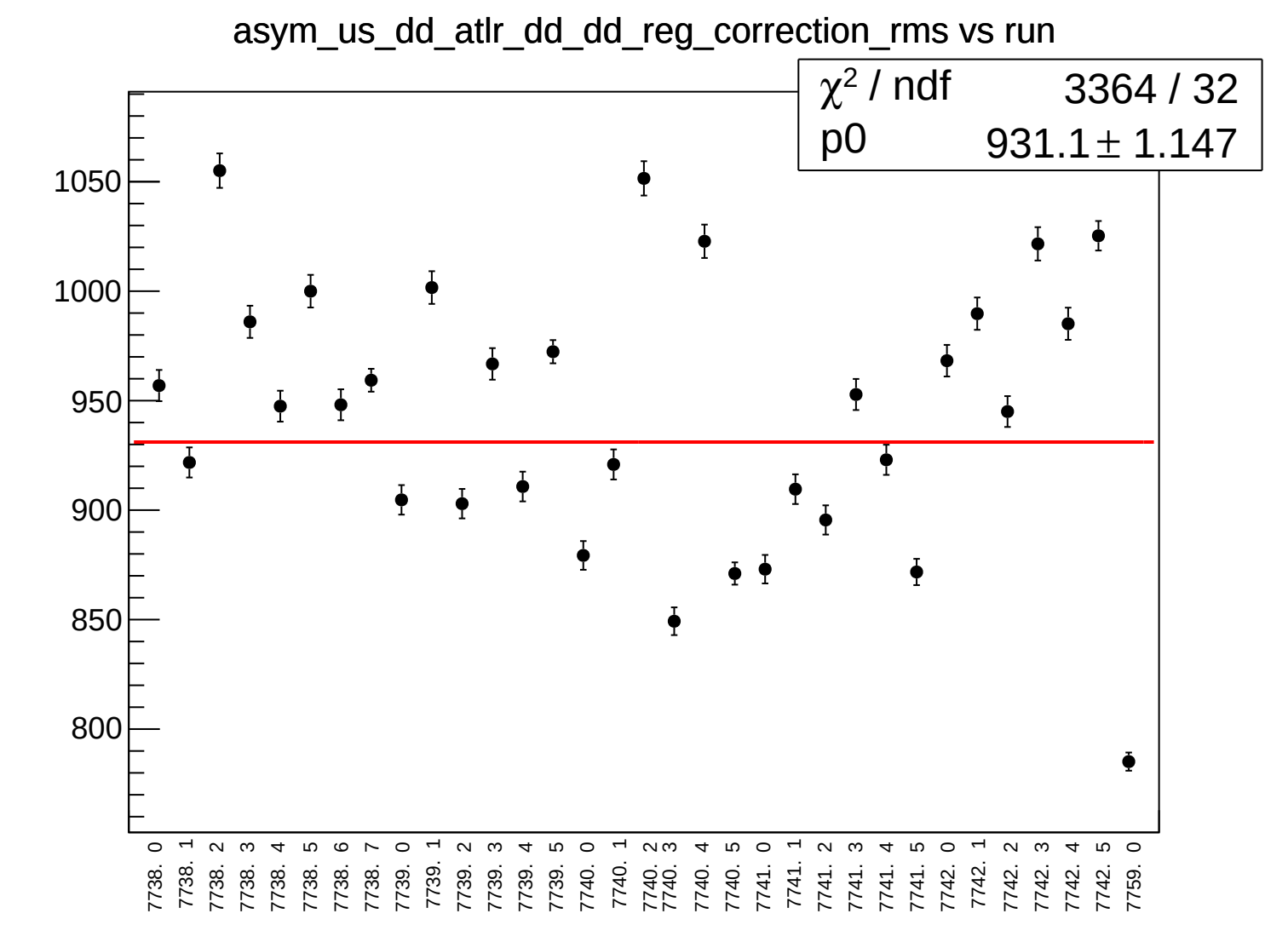

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 36.2 / 32
p0 −559.8 ± 1921
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 698.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

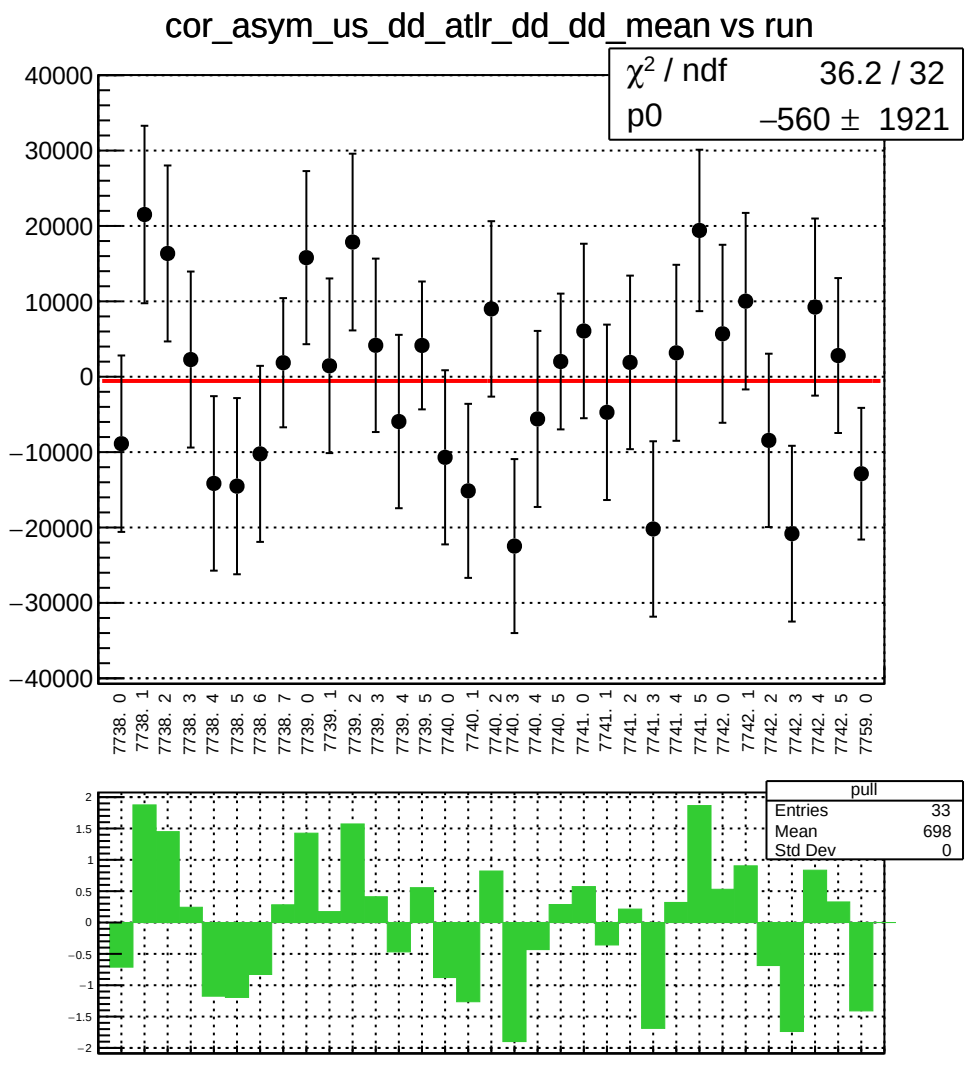

pull1D
Entries 33
Mean −0.001875
Std Dev 1.047
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

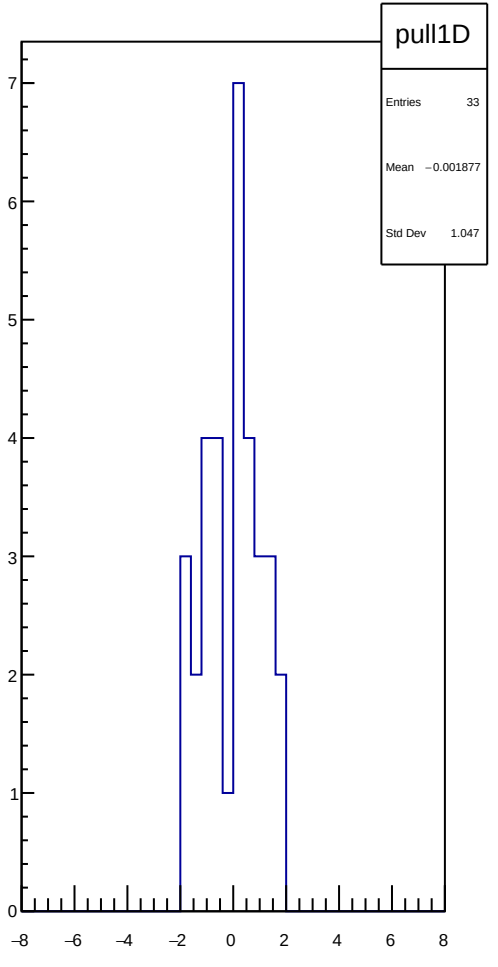

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 147.8 / 32
p0 1106 ± 1.358
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

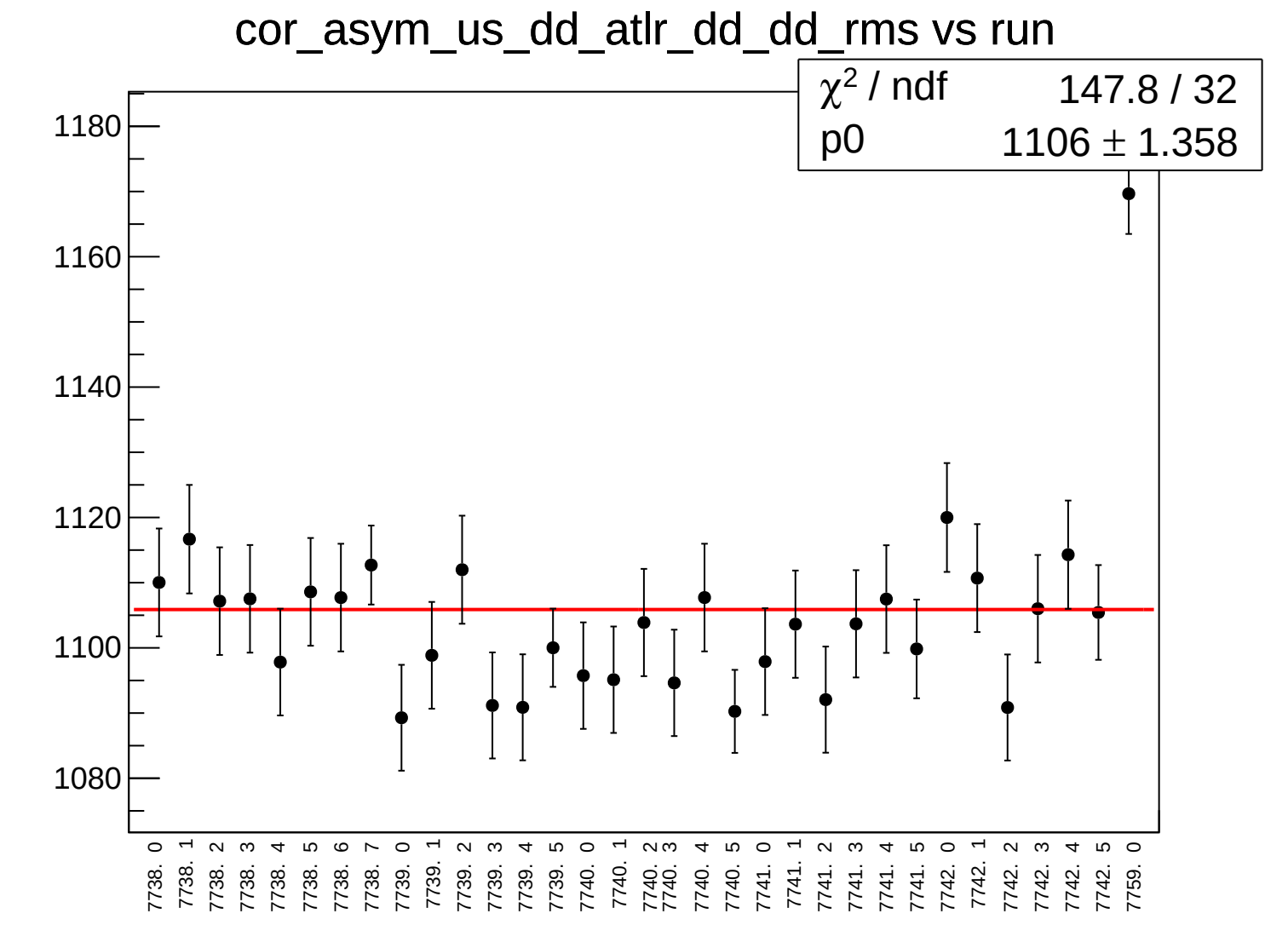

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 26.36 / 32
p0 123.5 ± 1621
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 282.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

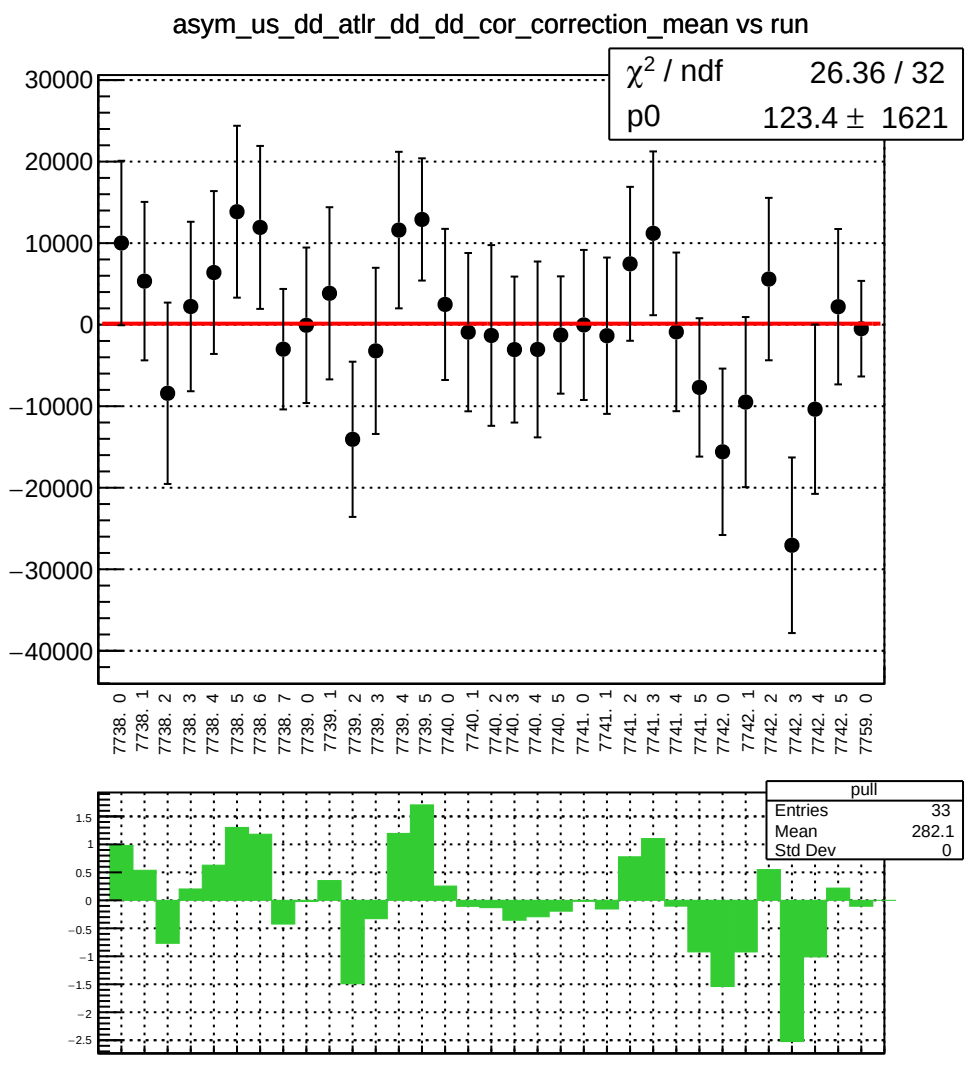

pull1D
Entries 33
Mean −0.01265
Std Dev 0.8936
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

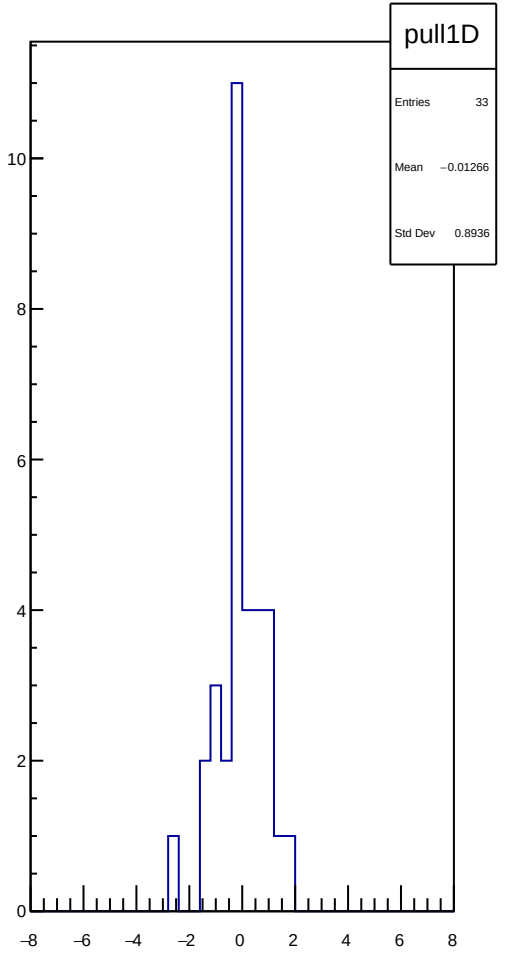

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 3364 / 32
p0 931.1 ± 1.147
1050
1000
950
900
850
800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

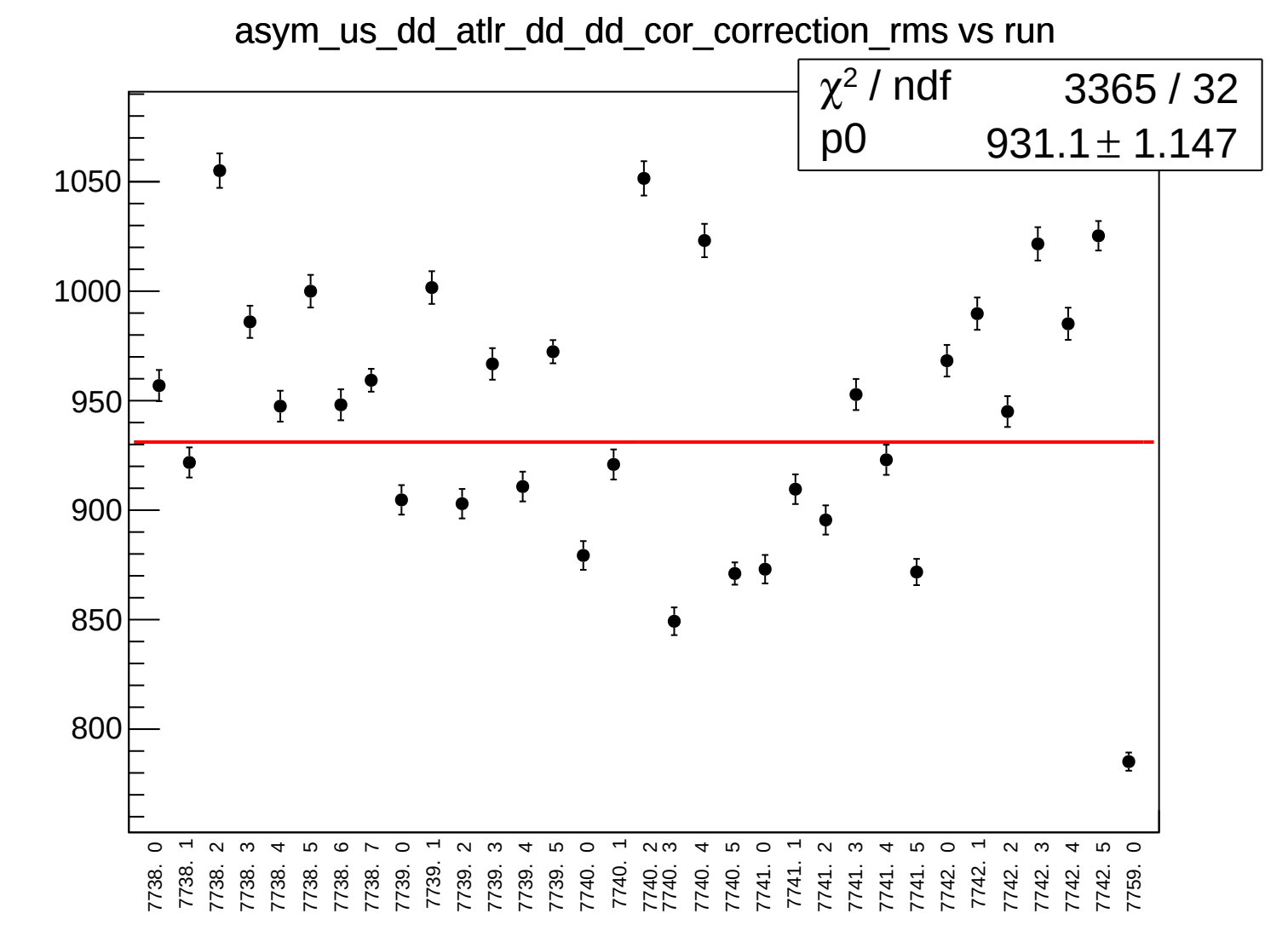

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 36.2 / 32
p0 −560 ± 1921
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 698
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

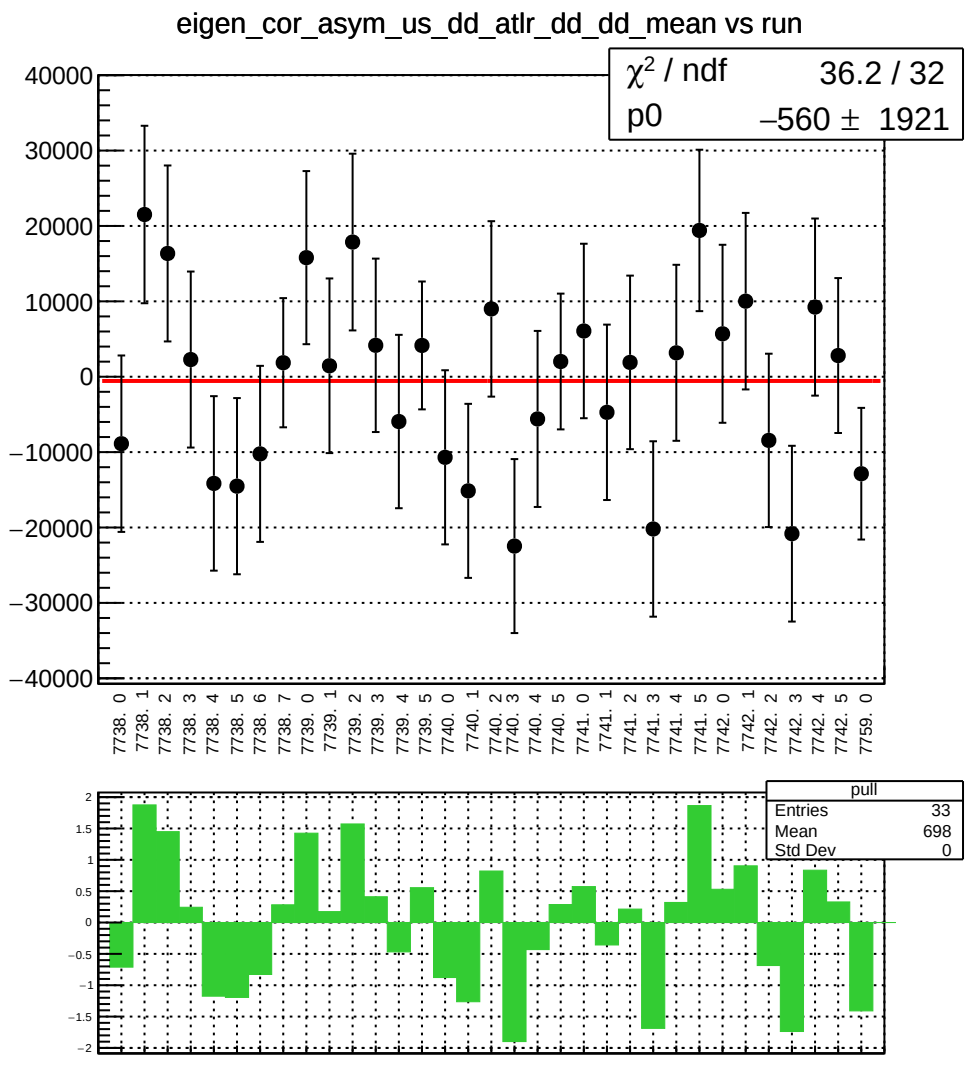

pull1D
Entries 33
Mean −0.001877
Std Dev 1.047
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

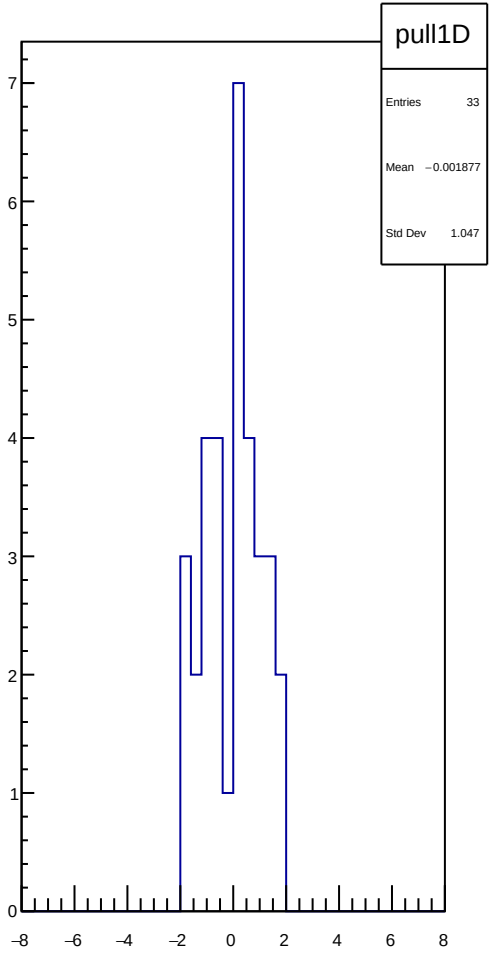

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 147.8 / 32
p0 1106 ± 1.358
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

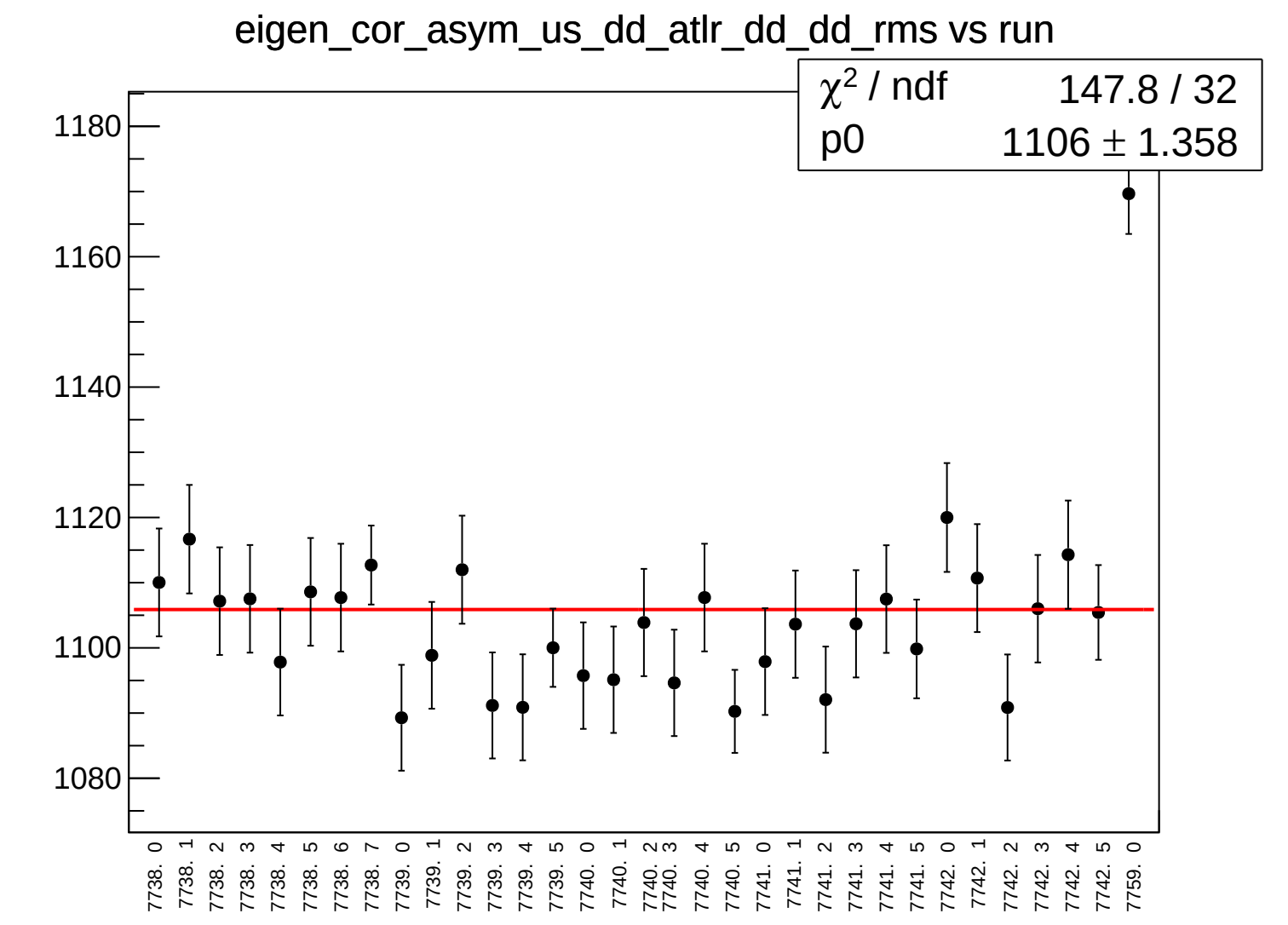

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 26.36 / 32
p0 123.4 ± 1621
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 282.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

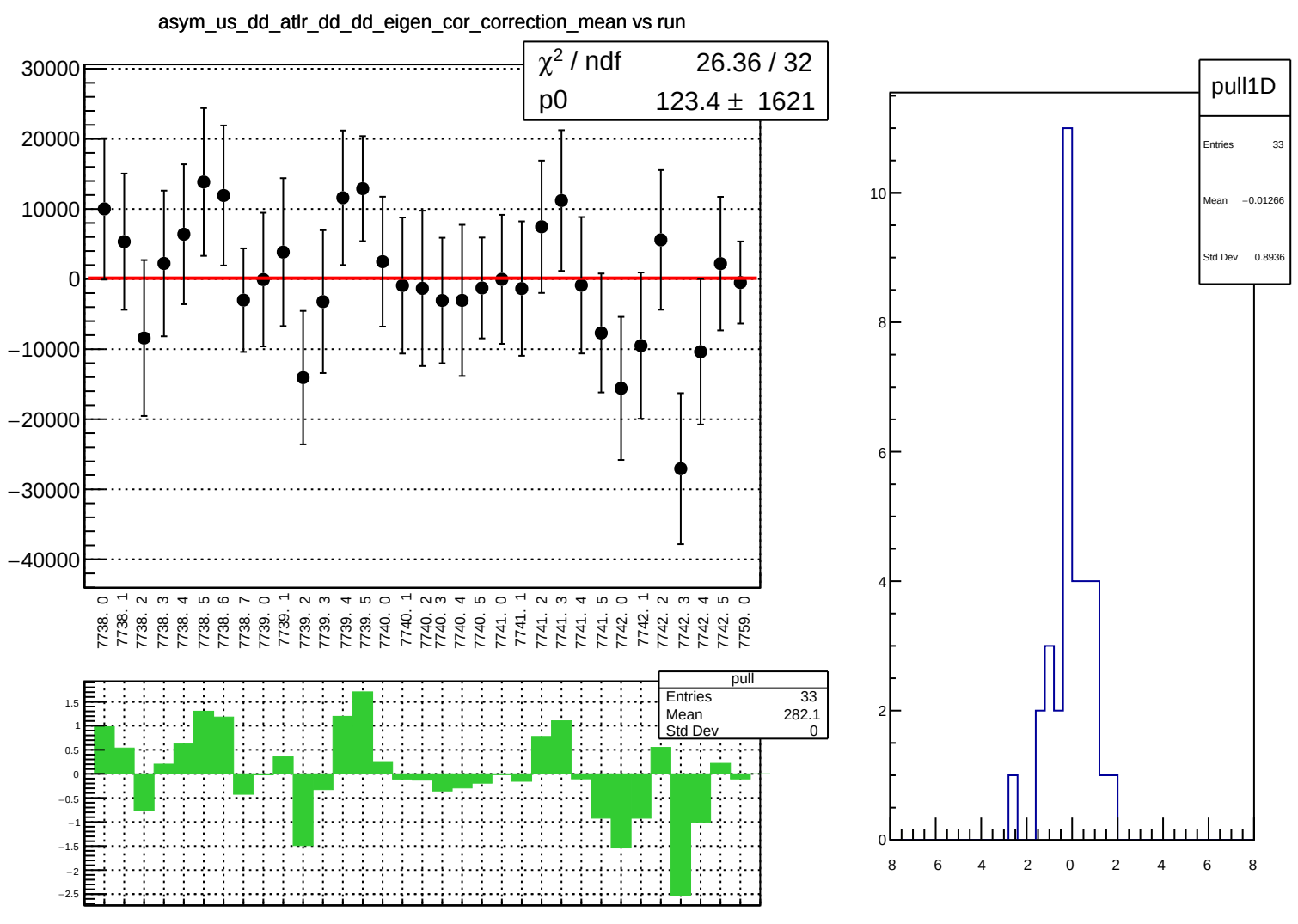

pull1D
Entries 33
Mean −0.01266
Std Dev 0.8936
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

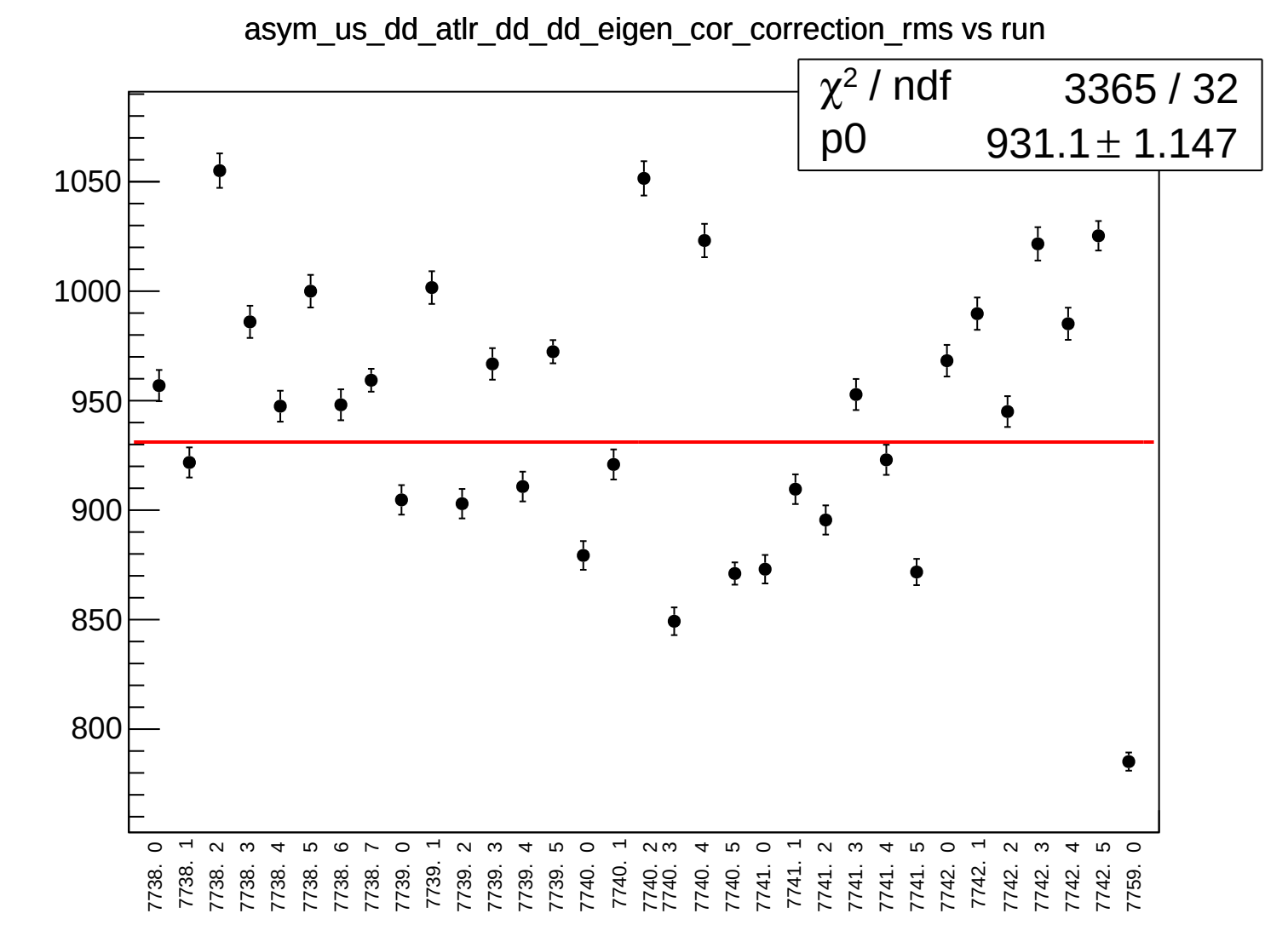

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 3365 / 32
p0 931.1 ± 1.147
1050
1000
950
900
850
800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

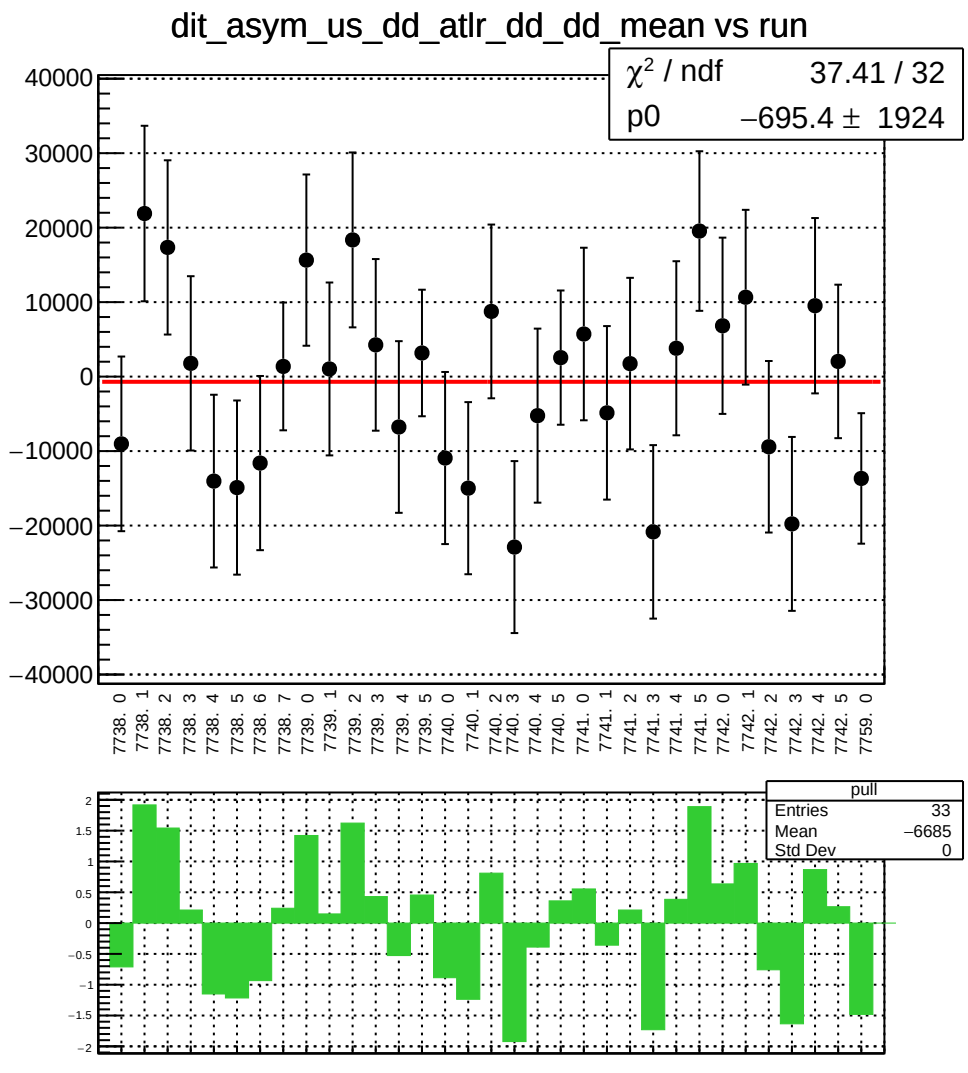

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 36.2 / 32
p0 −560 ± 1921
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 698
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

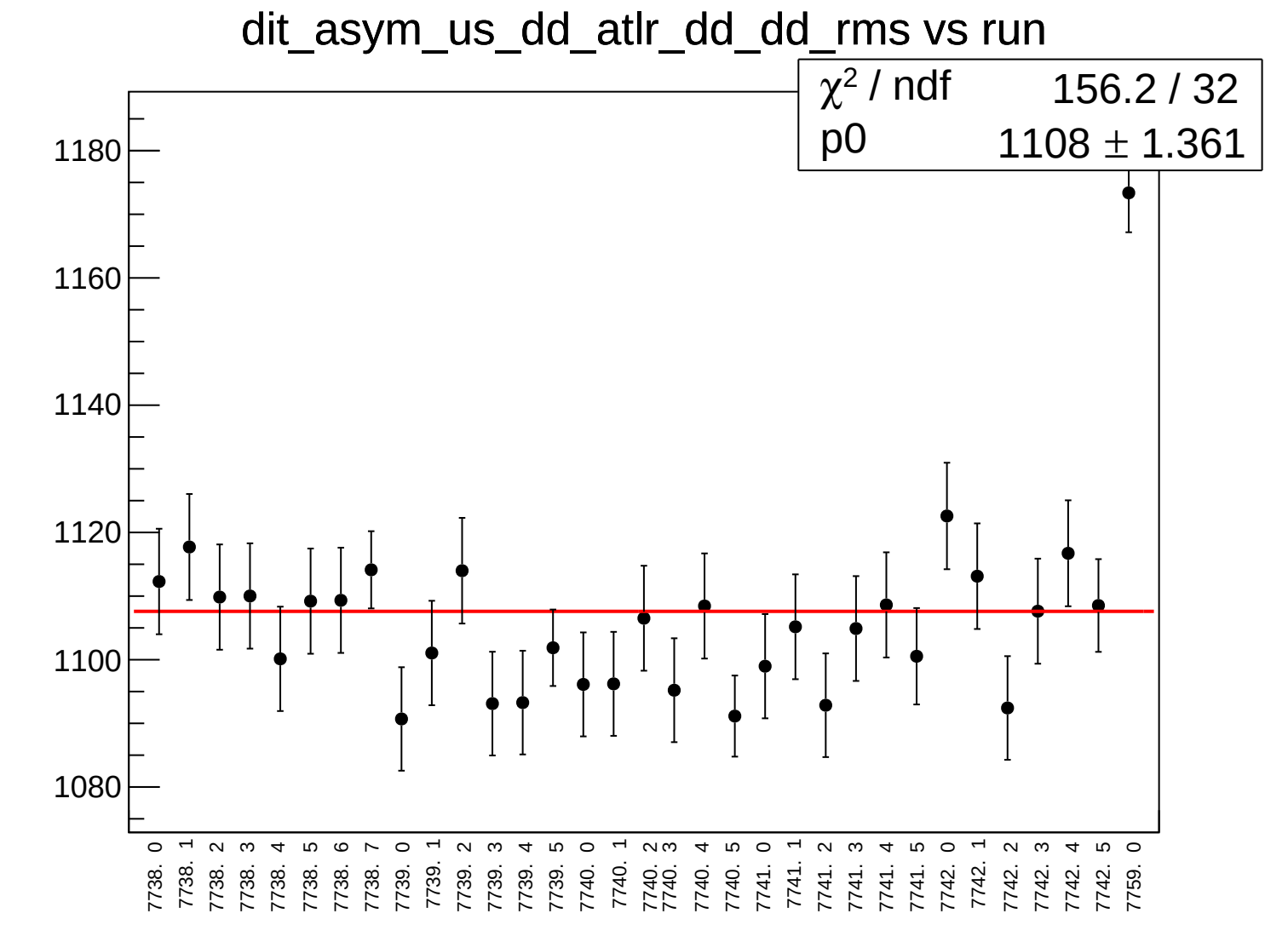

pull1D
Entries 33
Mean −0.001877
Std Dev 1.047
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

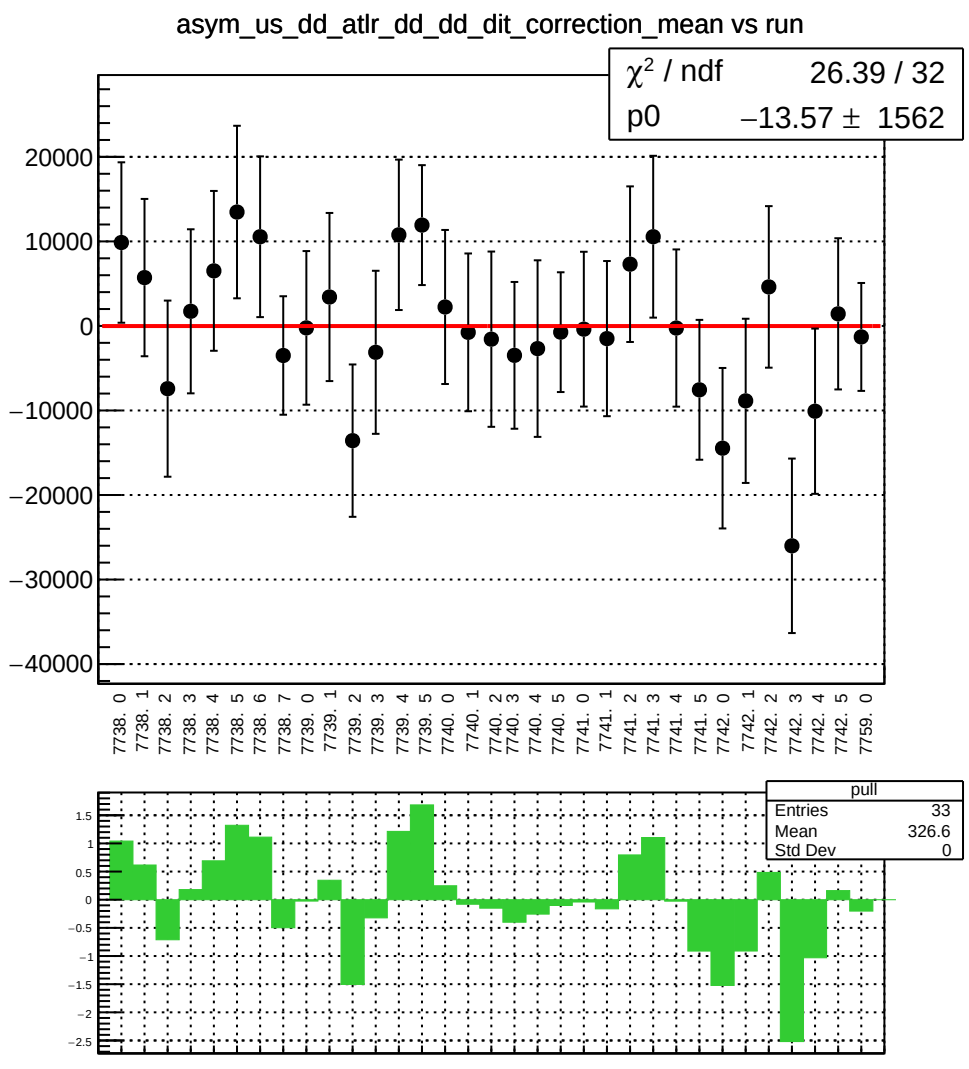

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ^2 / ndf 147.8 / 32
p0 1106 ± 1.358
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

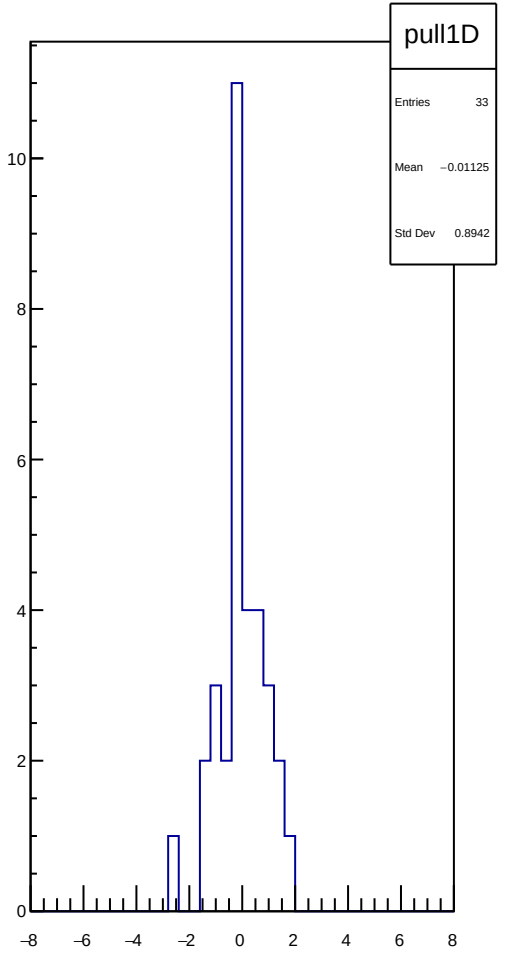

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 26.36 / 32
p0 123.4 ± 1621
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 282.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01266
Std Dev 0.8936
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

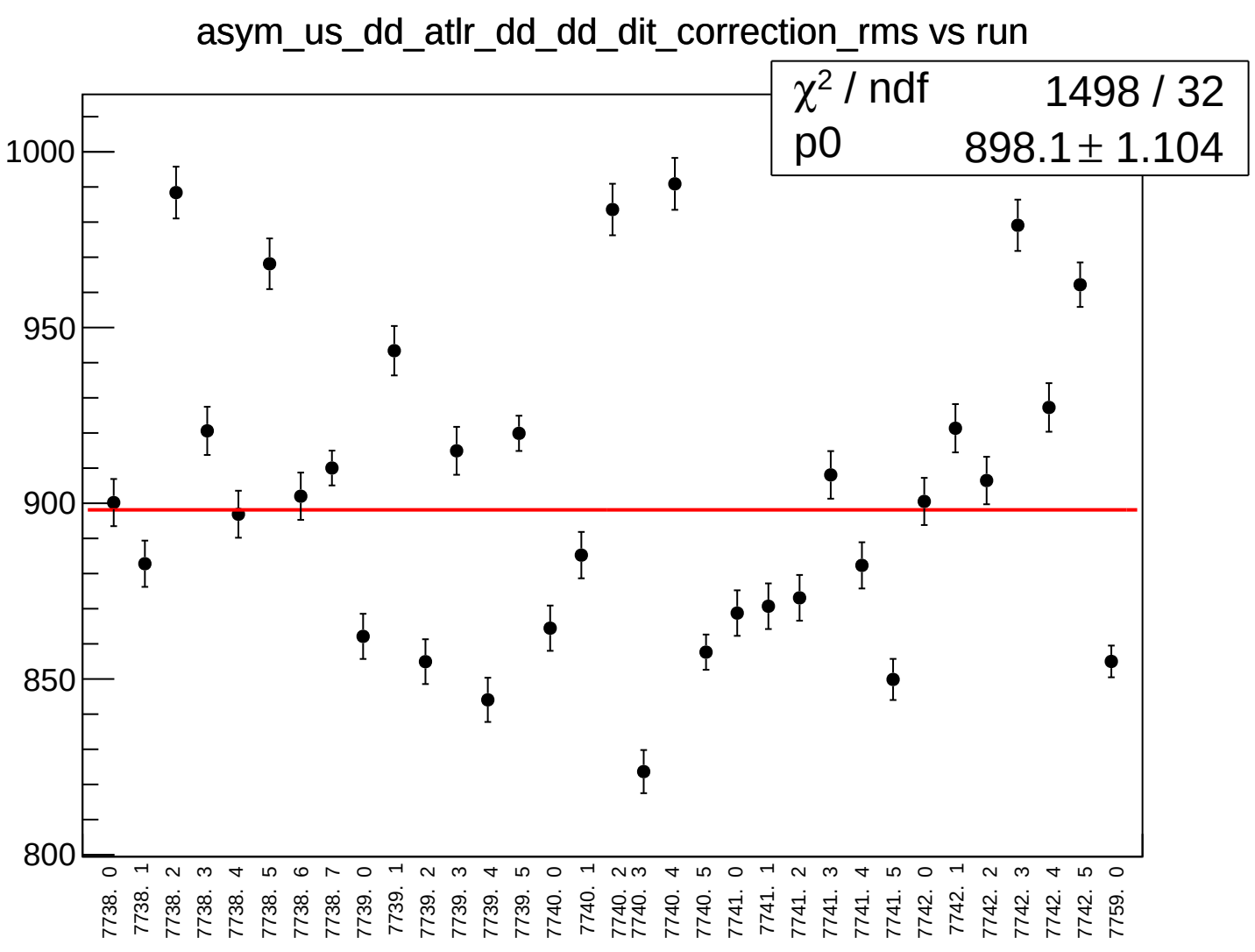

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3365 / 32
p0 931.1 ± 1.147
1050
1000
950
900
850
800
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

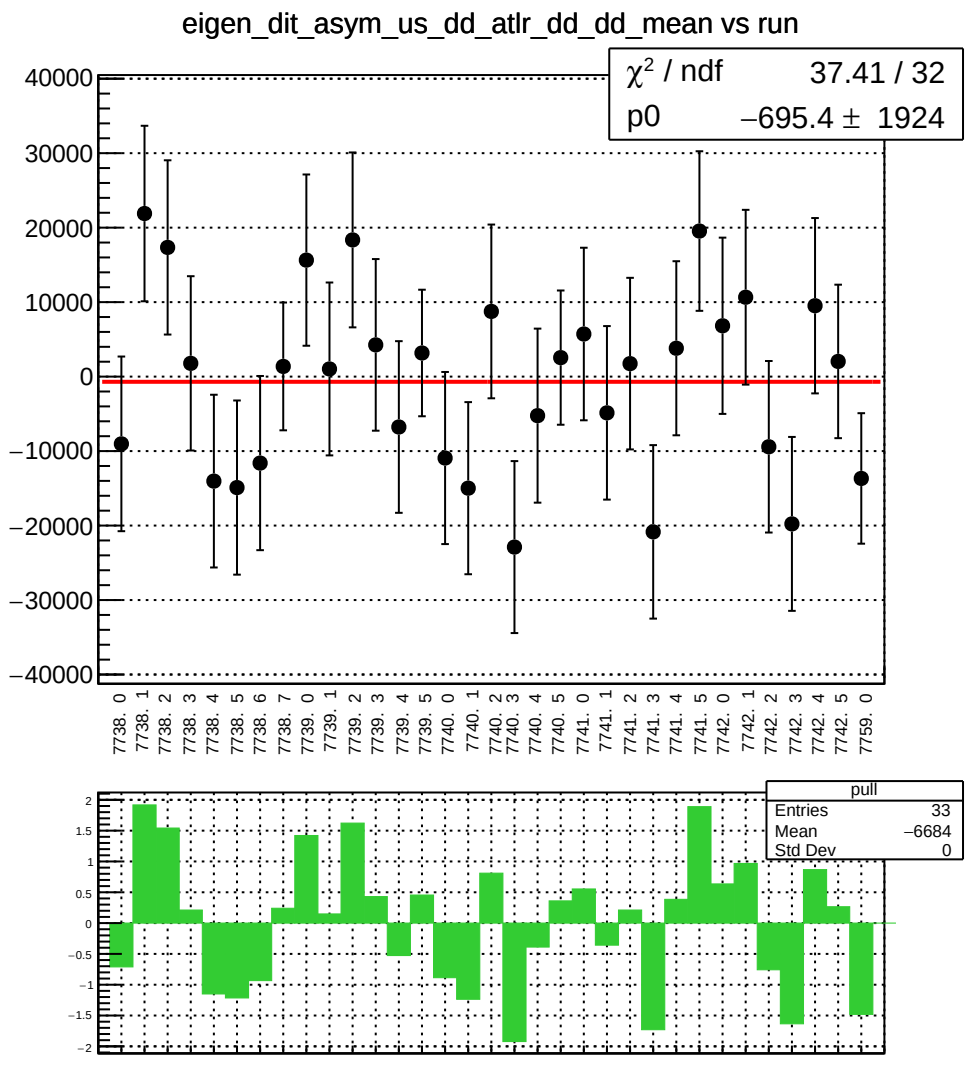

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 37.41 / 32
p0 −695.4 ± 1924
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6685
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.0001845
Std Dev 1.065
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

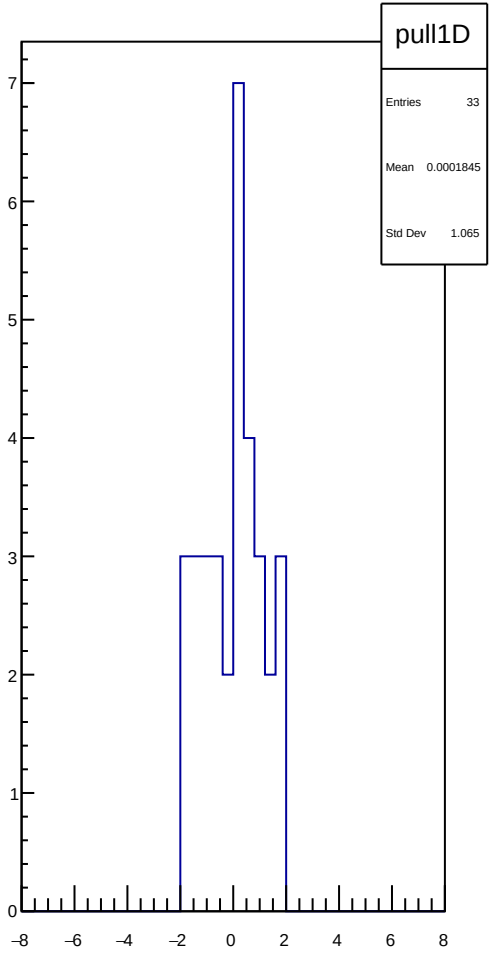

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 156.2 / 32
p0 1108 ± 1.361
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

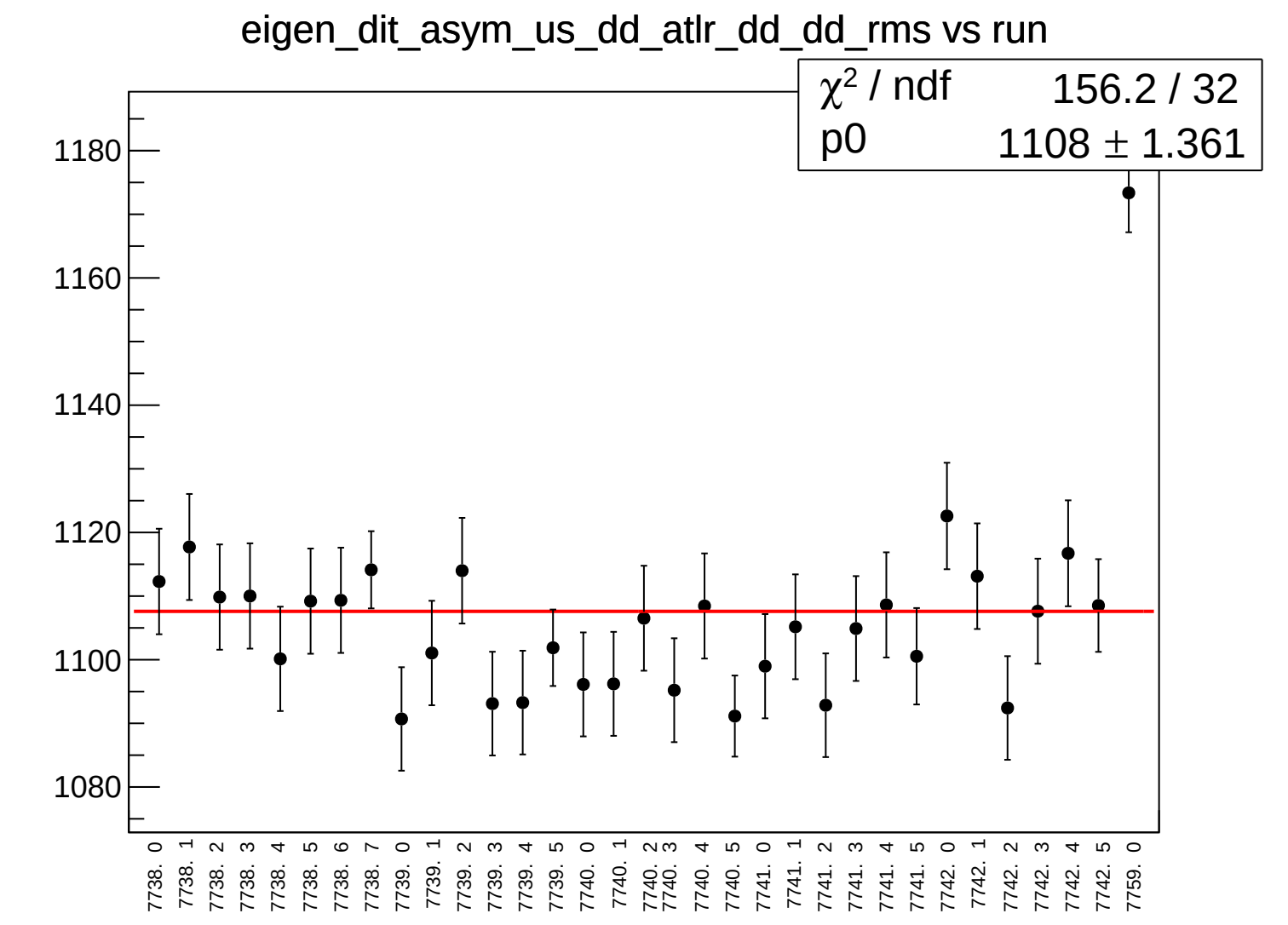

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 26.39 / 32
p0 −13.57 ± 1562
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 326.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

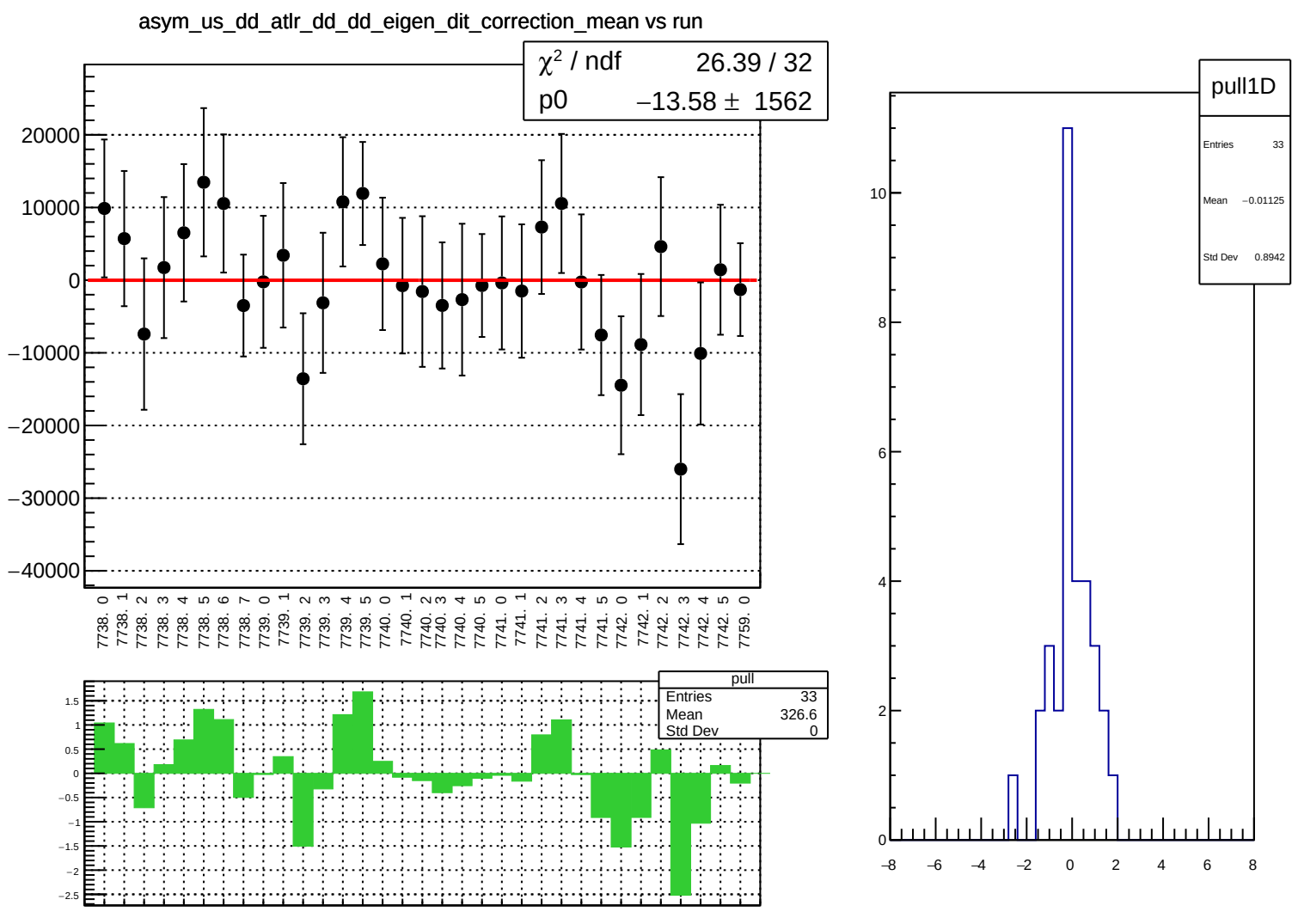

pull1D
Entries 33
Mean −0.01125
Std Dev 0.8942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

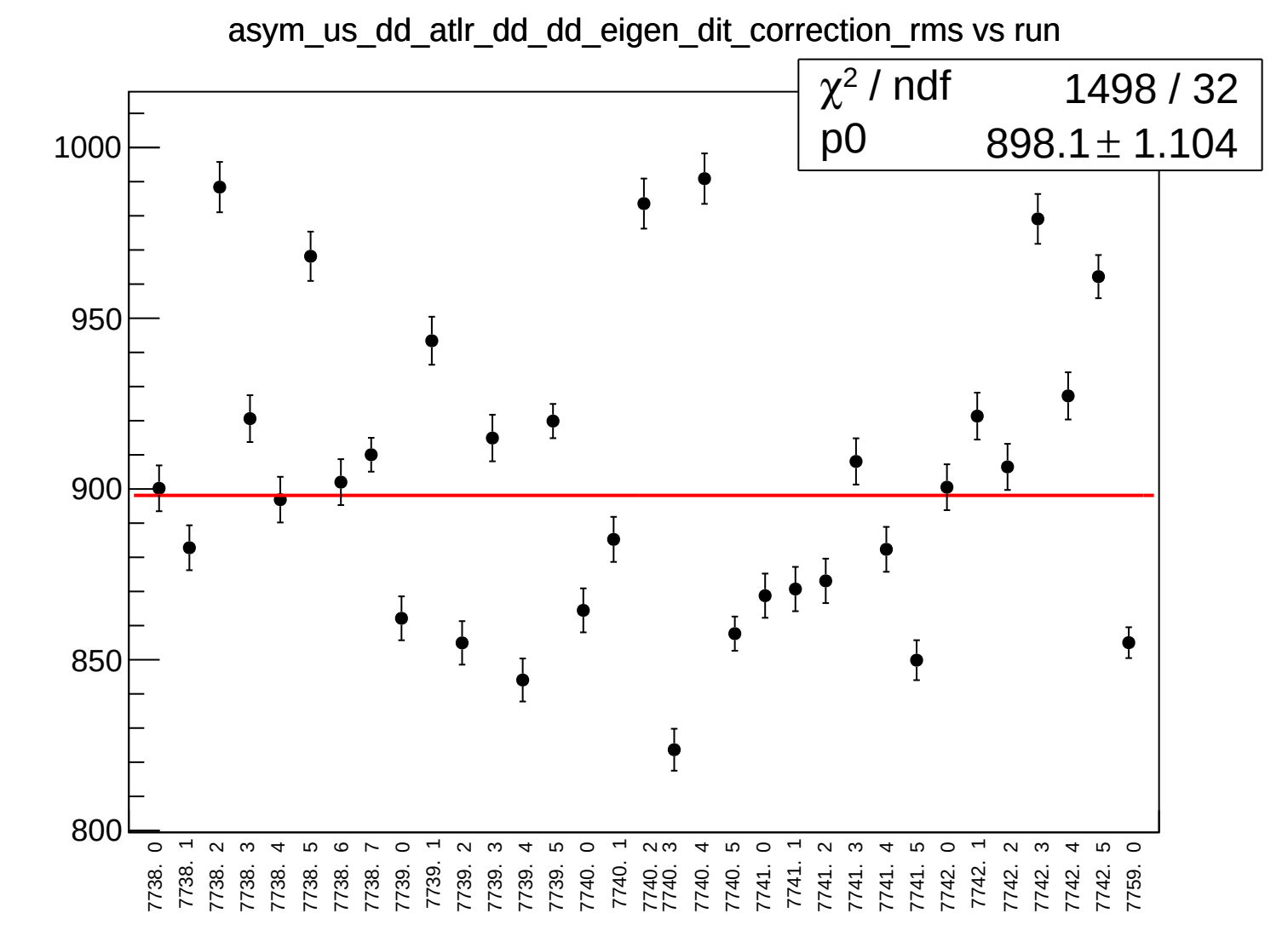

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1498 / 32
p0 898.1 ± 1.104
1000
950
900
850
800
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

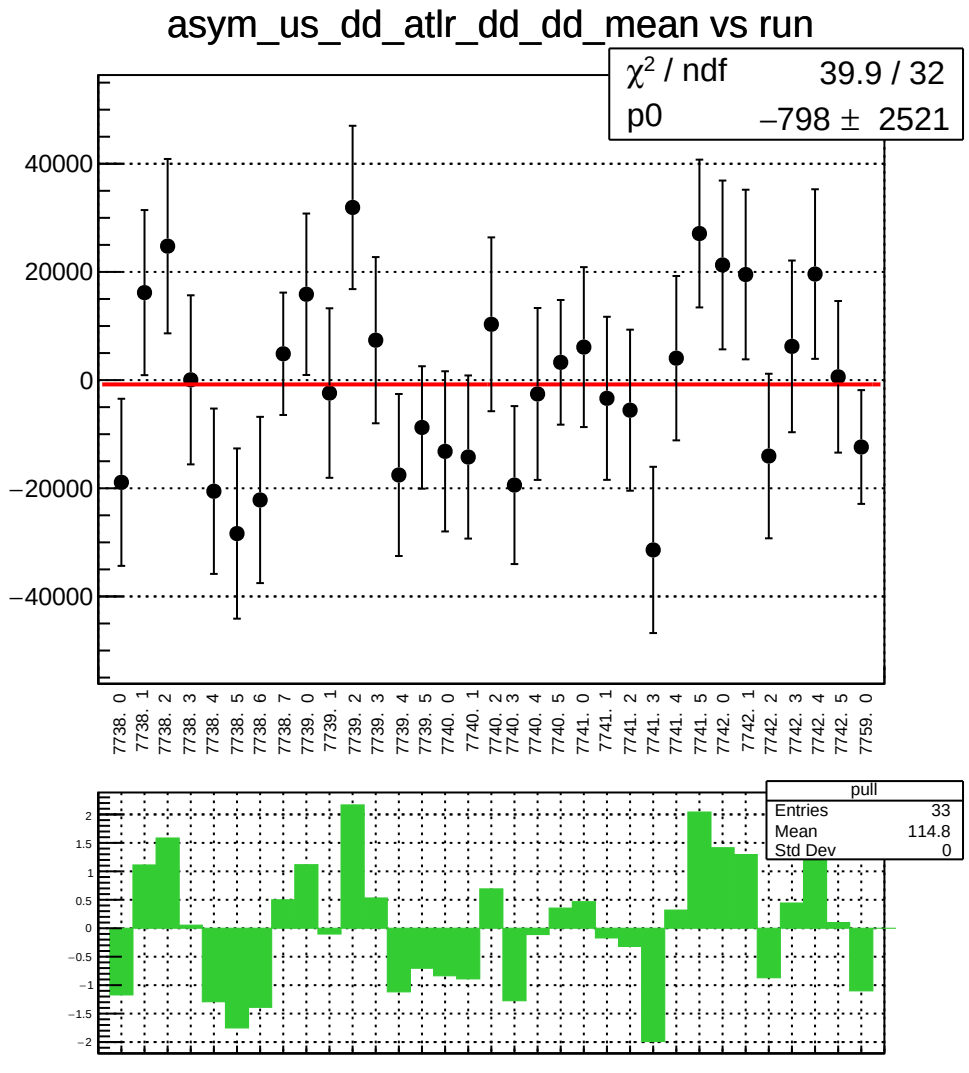

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 37.41 / 32
p0 −695.4 ± 1924
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6684
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

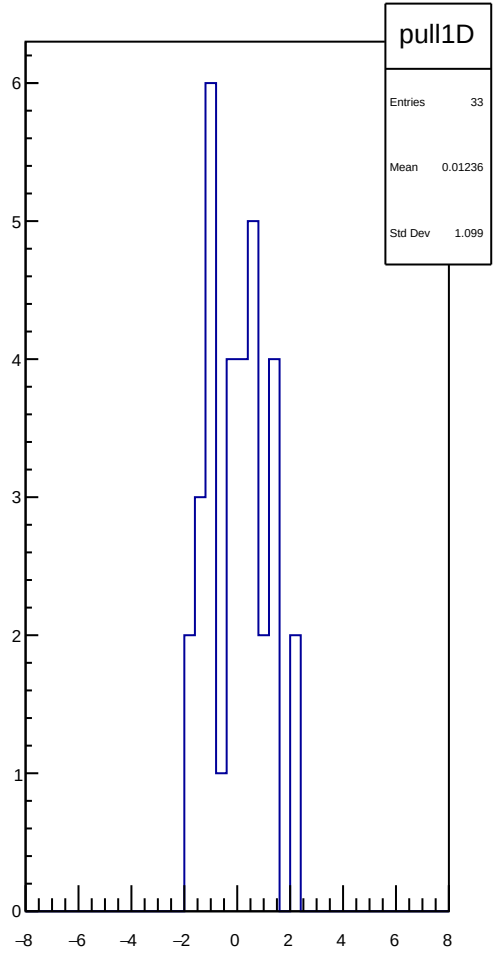

pull1D
Entries 33
Mean 0.0001845
Std Dev 1.065
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

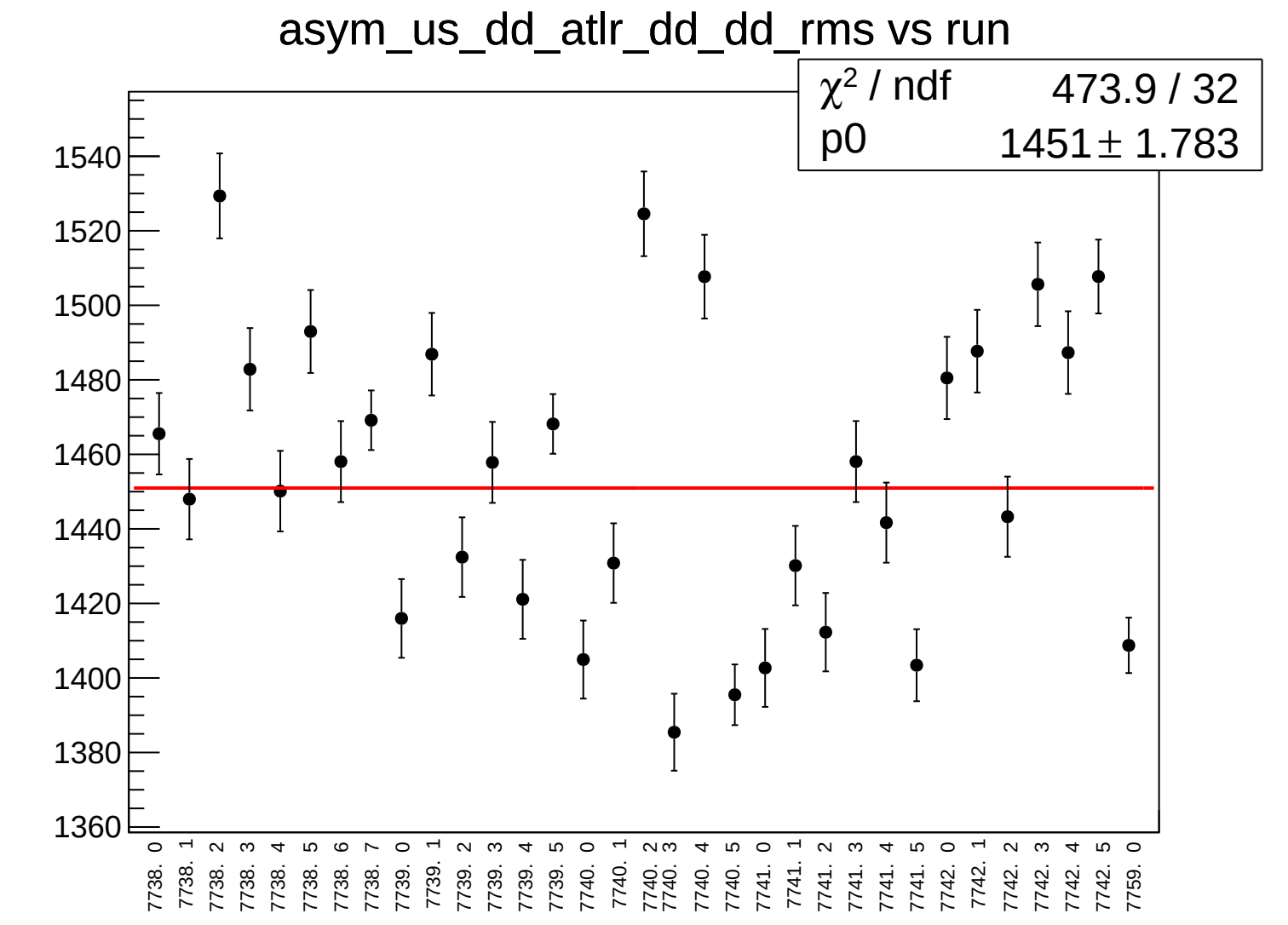

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 156.2 / 32
p0 1108 ± 1.361
1180
1160
1140
1120
1100
1080
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

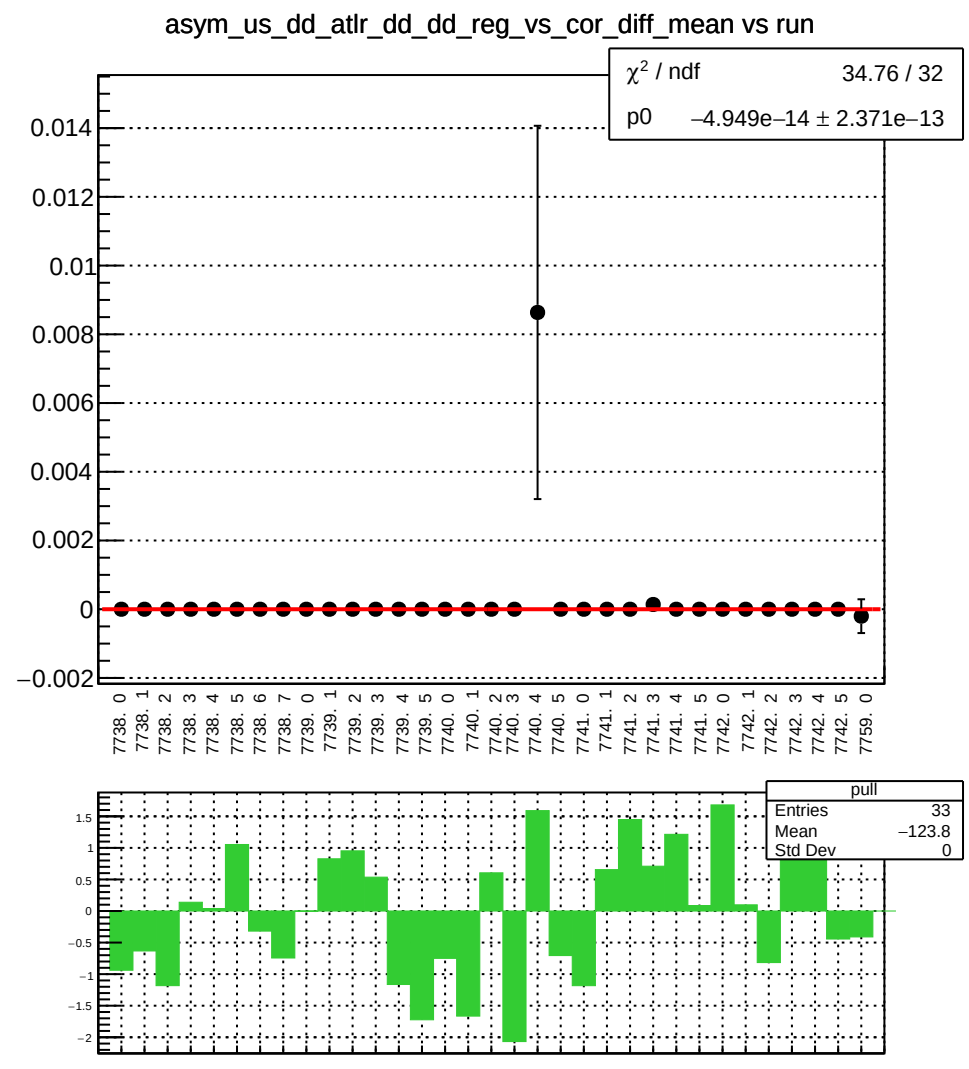

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 26.39 / 32
p0 −13.58 ± 1562
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 326.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01125
Std Dev 0.8942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

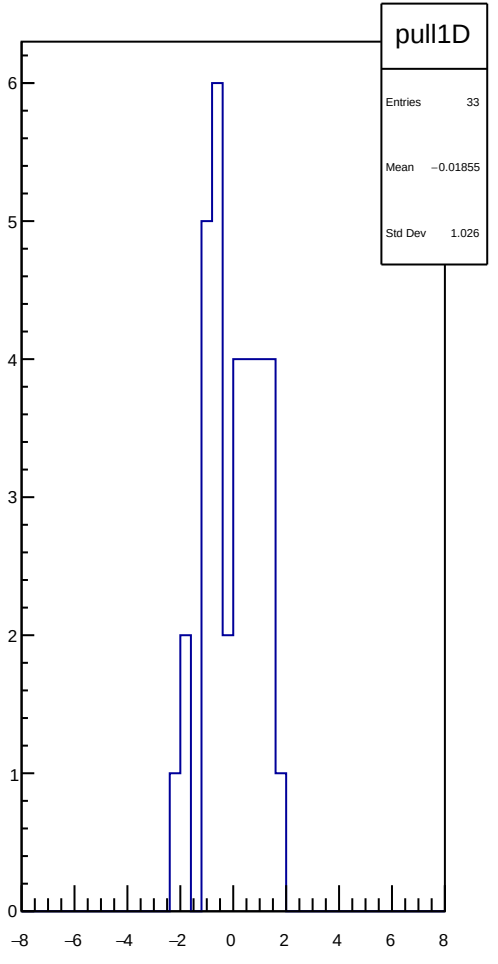

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1498 / 32
p0 898.1 ± 1.104
1000
950
900
850
800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

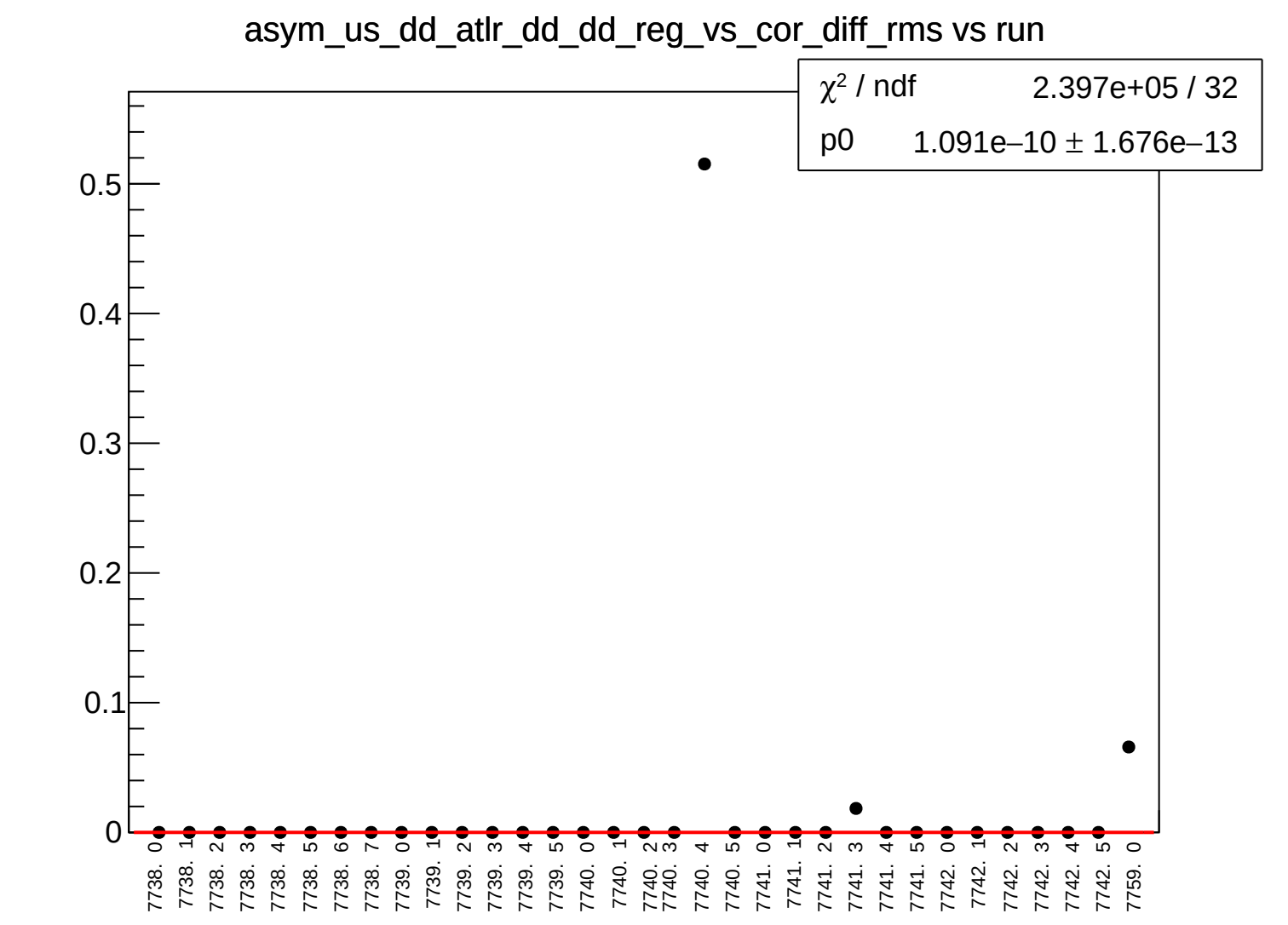

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 39.9 / 32
p0 −798 ± 2521
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 114.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

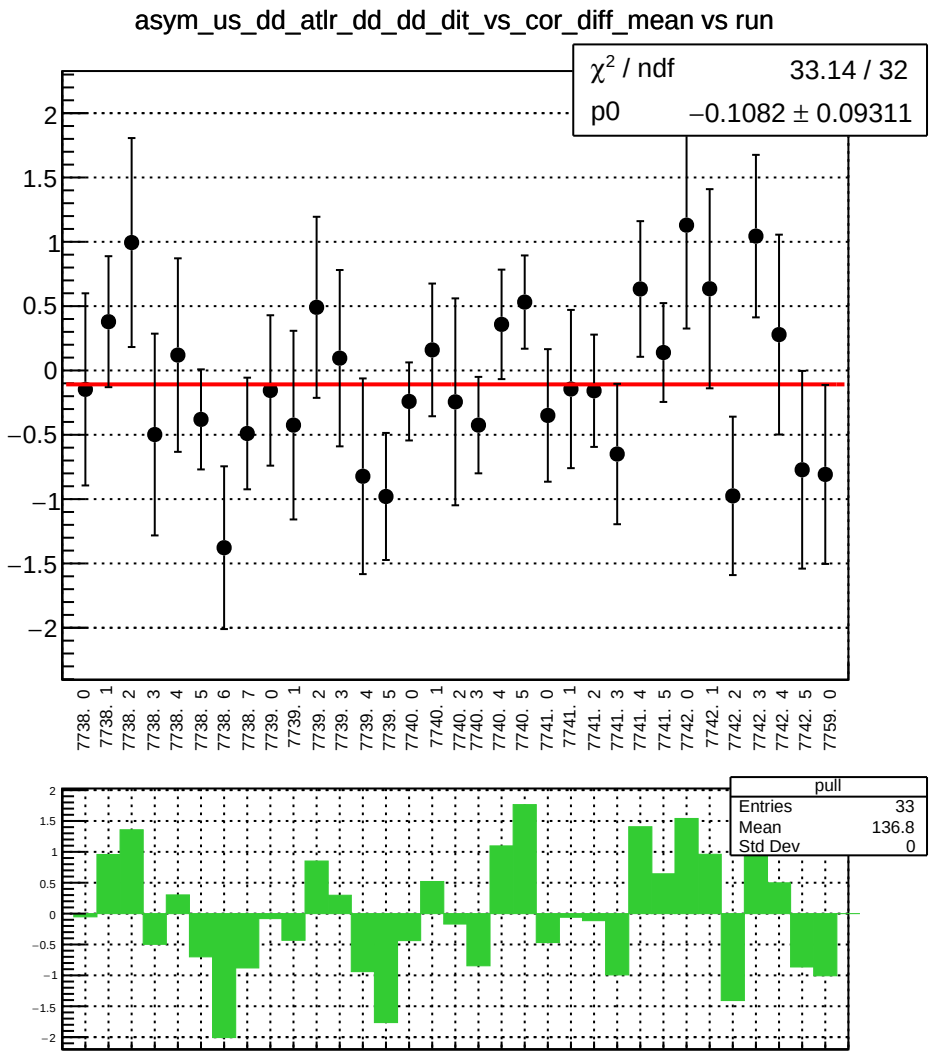

pull1D
Entries 33
Mean 0.01236
Std Dev 1.099
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

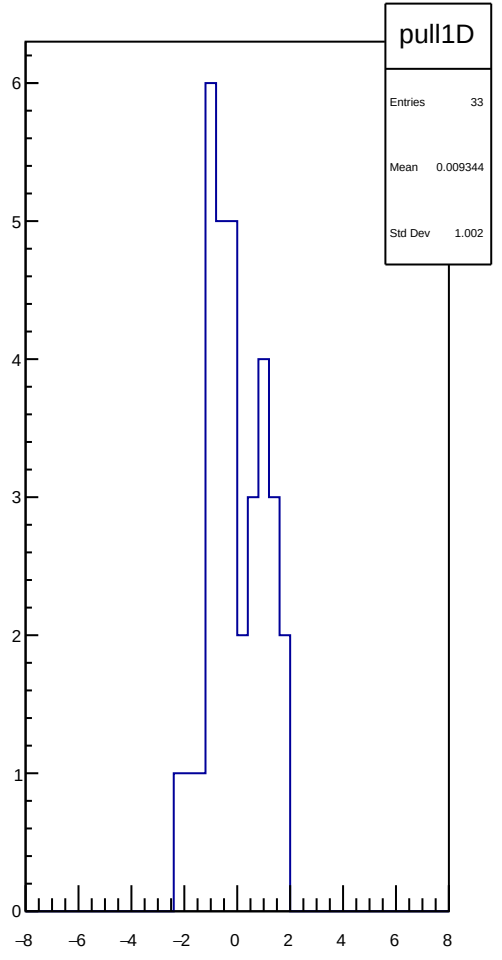

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 473.9 / 32
p0 1451 ± 1.783
1540
1520
1500
1480
1460
1440
1420
1400
1380
1360
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

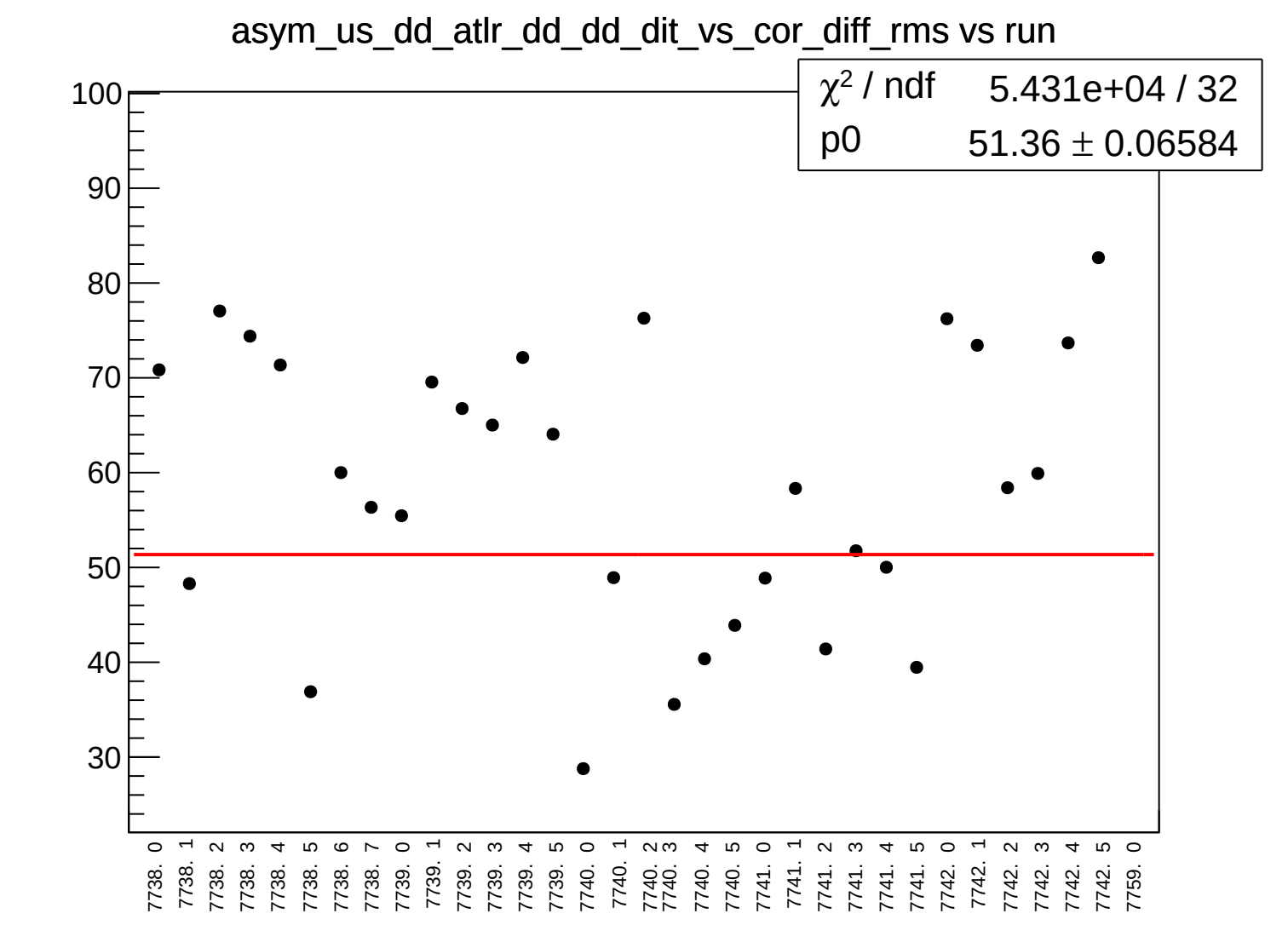

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.76 / 32
p0 −4.949e−14 ± 2.371e−13
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −123.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

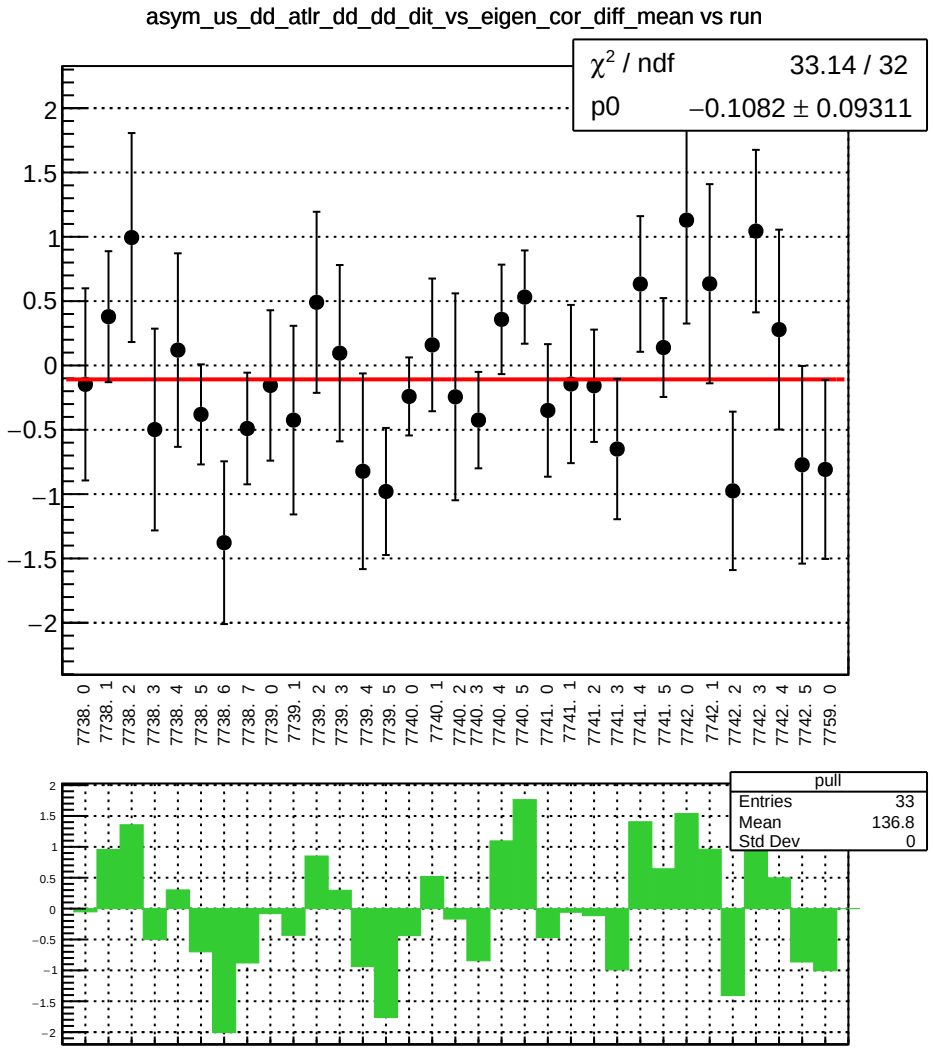

pull1D
Entries 33
Mean −0.01855
Std Dev 1.026
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

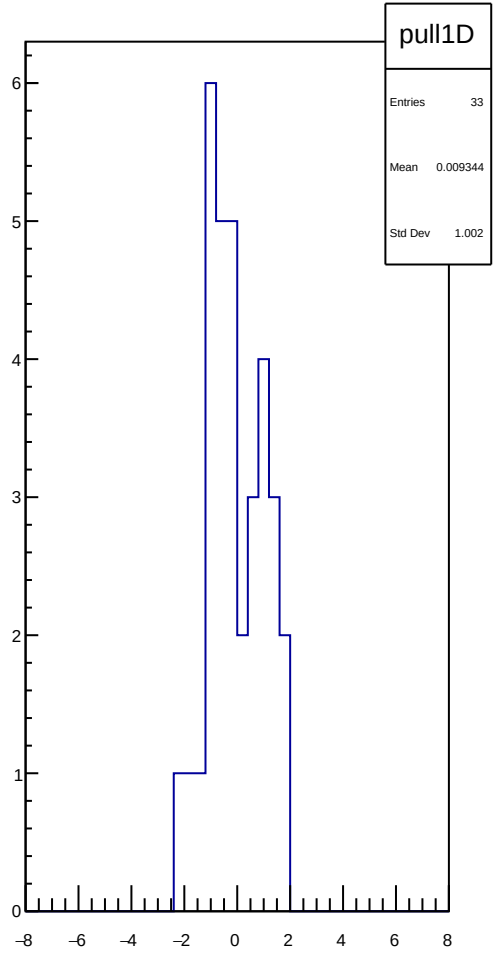

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.397e+05 / 32
p0 1.091e−10 ± 1.676e−13
0.5
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

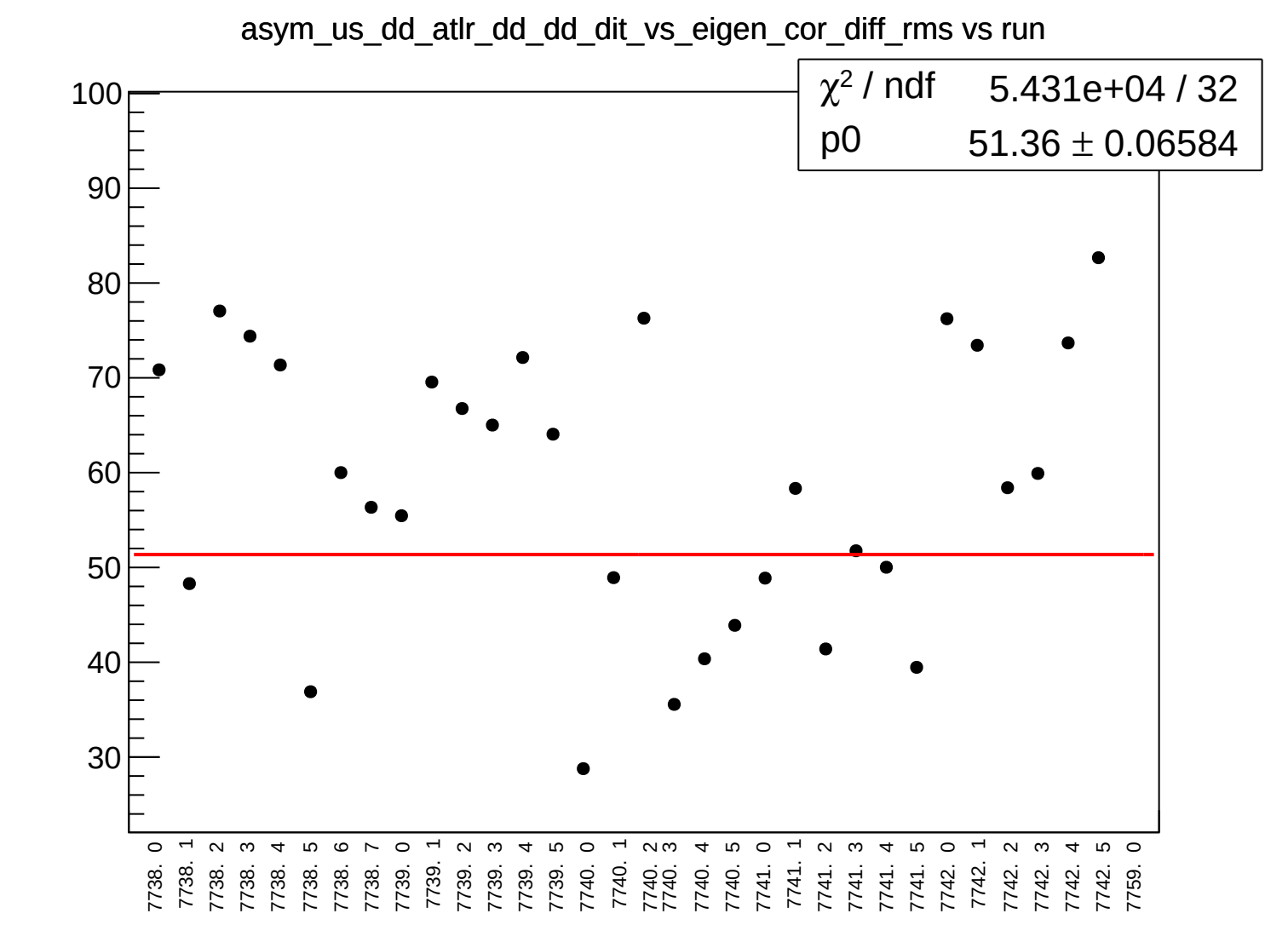

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 33.14 / 32
p0 −0.1082 ± 0.09311
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 136.8
Std Dev 0

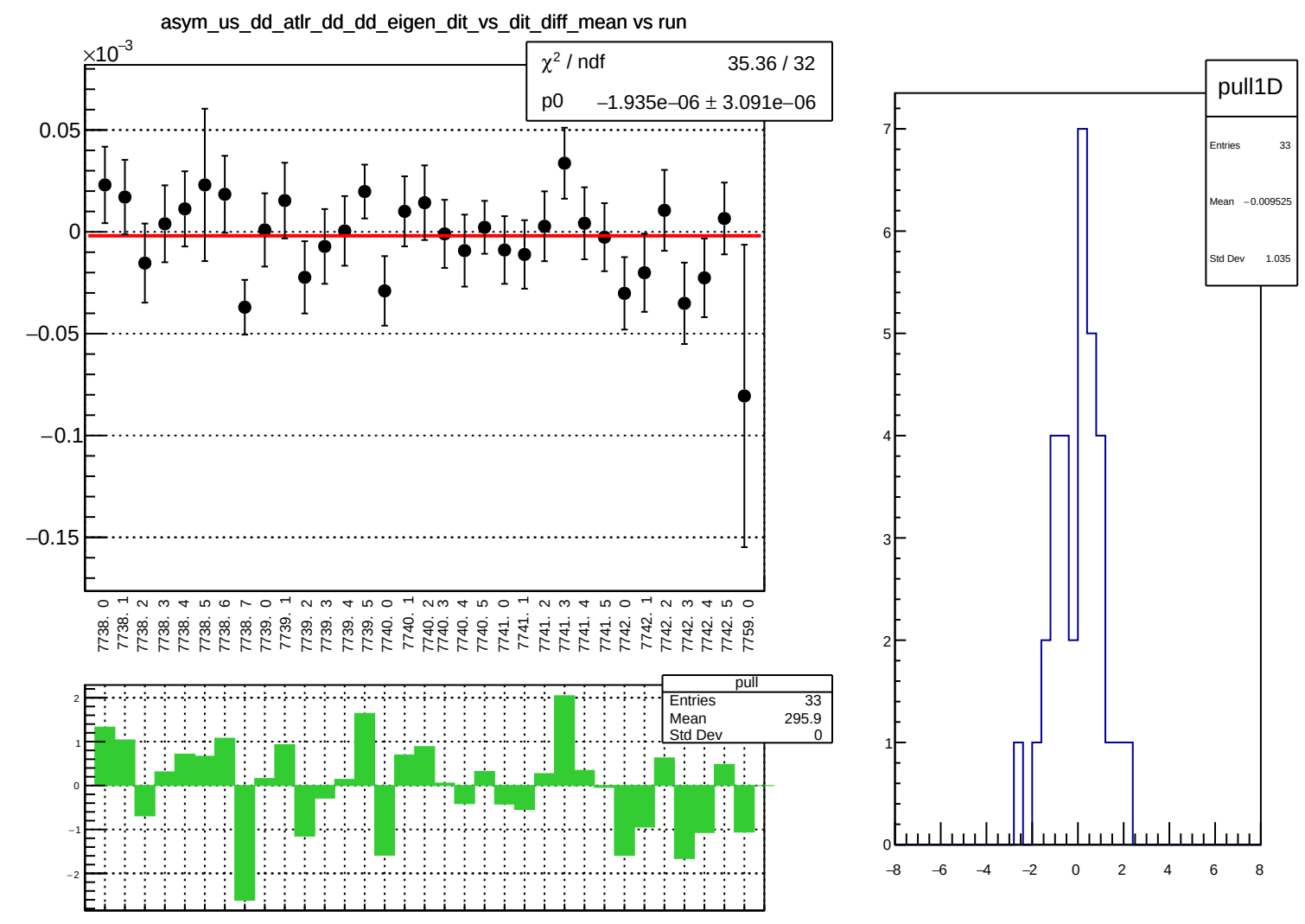

pull1D
Entries 33
Mean 0.009344
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

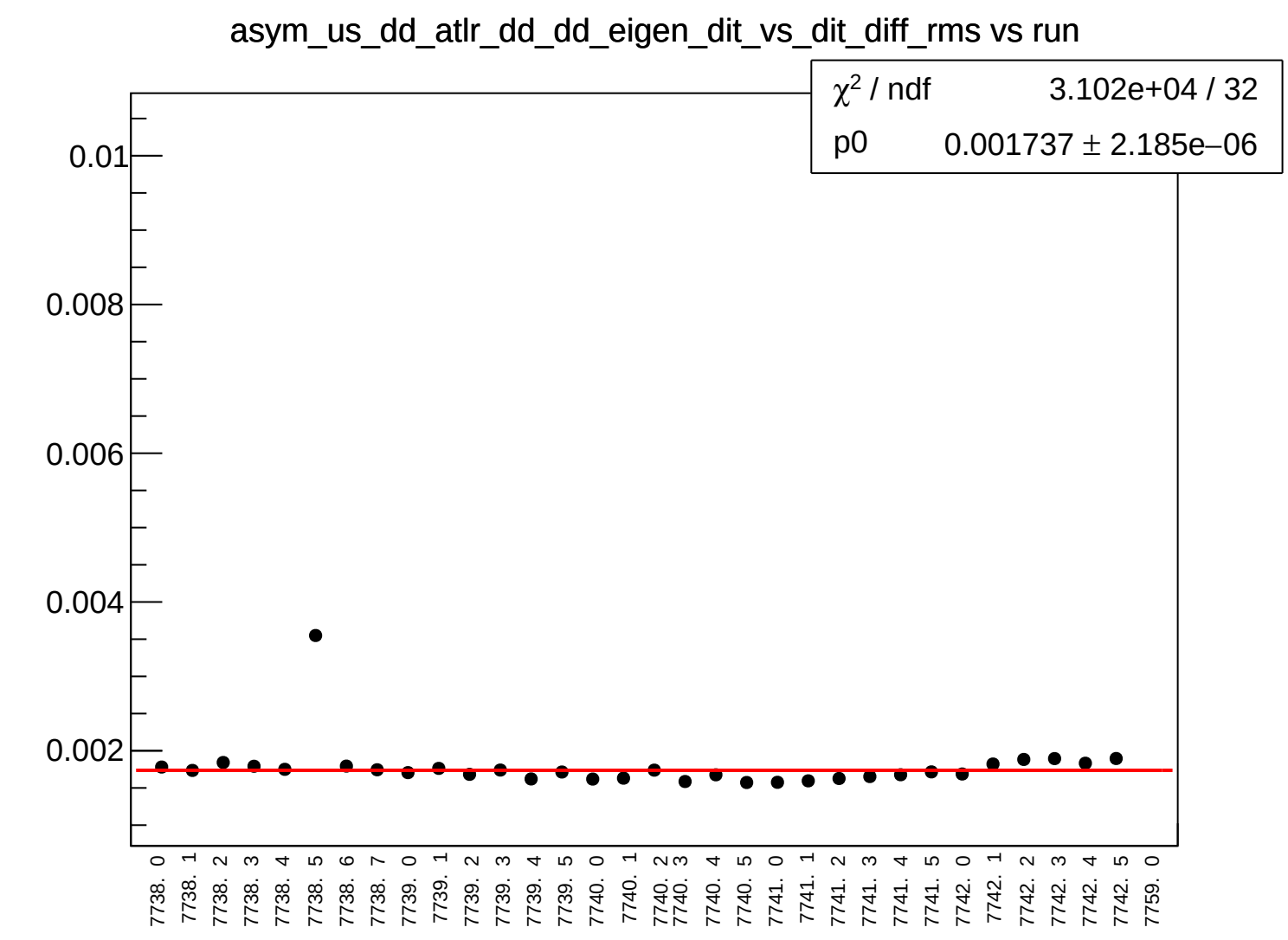

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.431e+04 / 32
p0 51.36 ± 0.06584
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

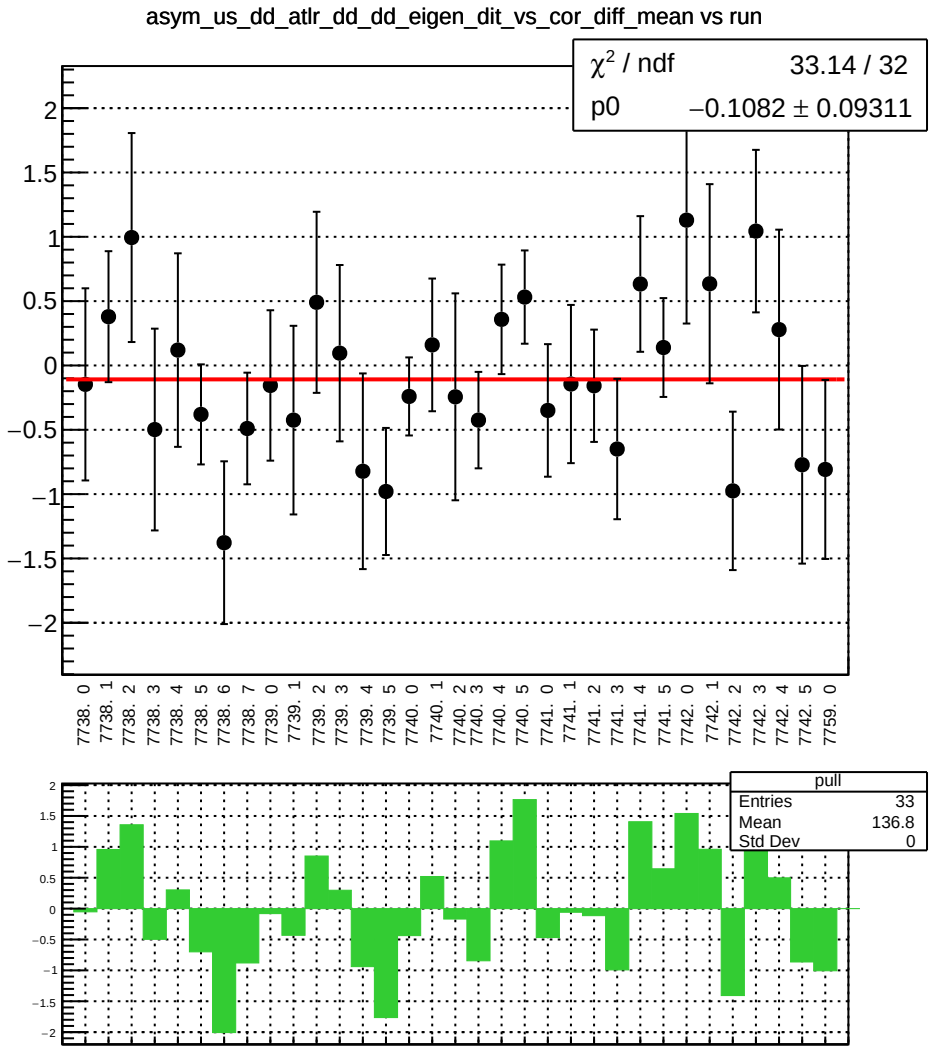

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.14 / 32
p0 −0.1082 ± 0.09311
pull
Entries 33
Mean 136.8
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

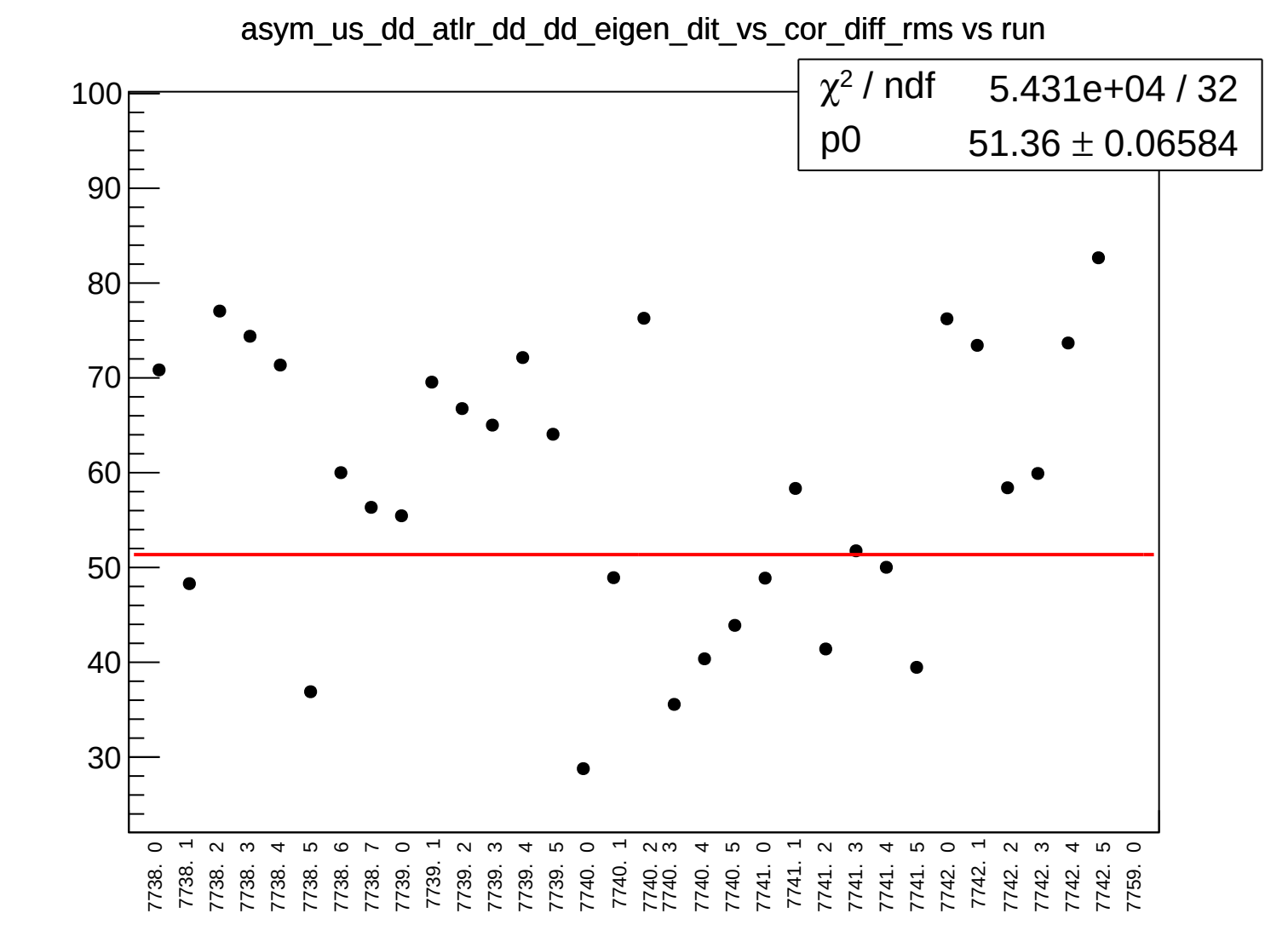

pull1D
Entries 33
Mean 0.009344
Std Dev 1.002

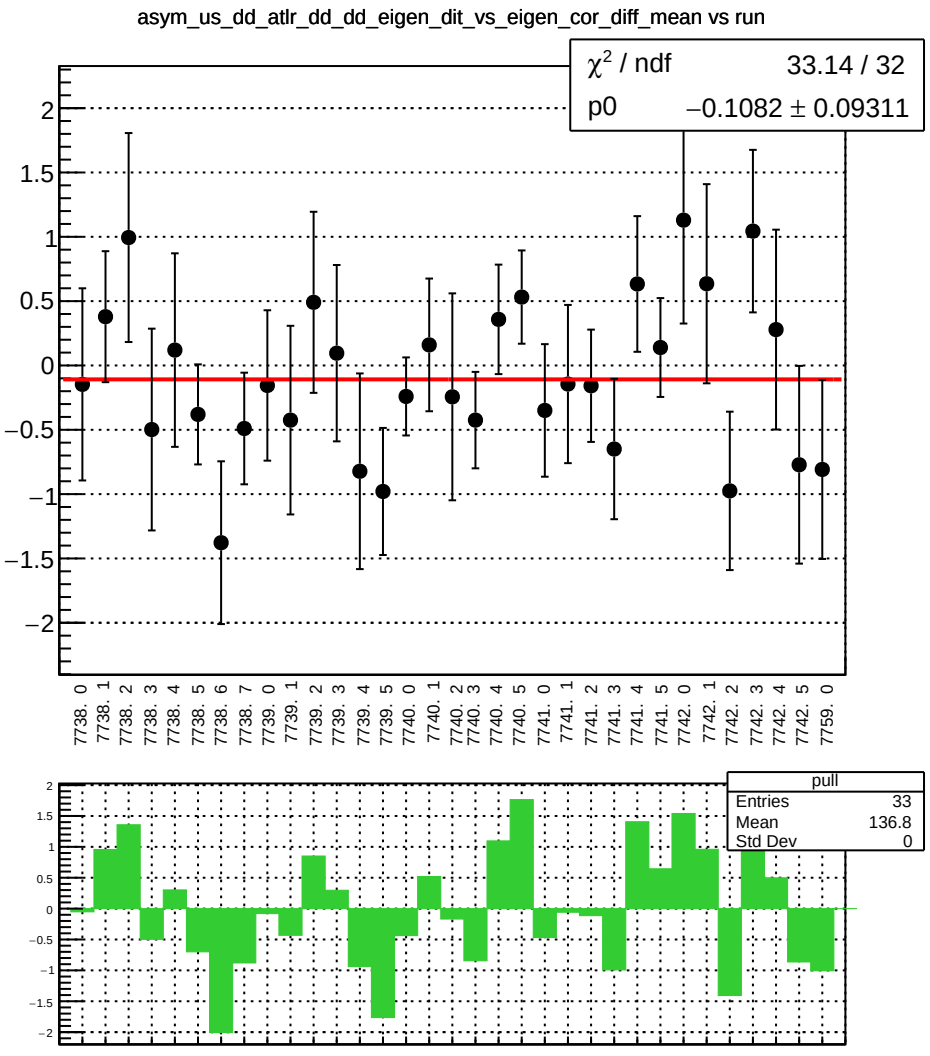

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.431e+04 / 32
p0 51.36 ± 0.06584
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

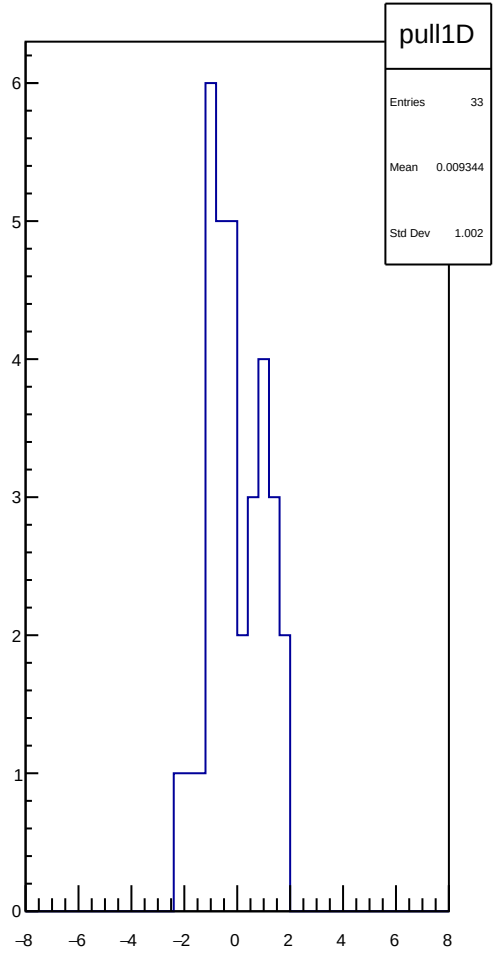

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.36 / 32
p0 −1.935e−06 ± 3.091e−06
0.05
0
−0.05
−0.1
−0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 295.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.009525
Std Dev 1.035
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

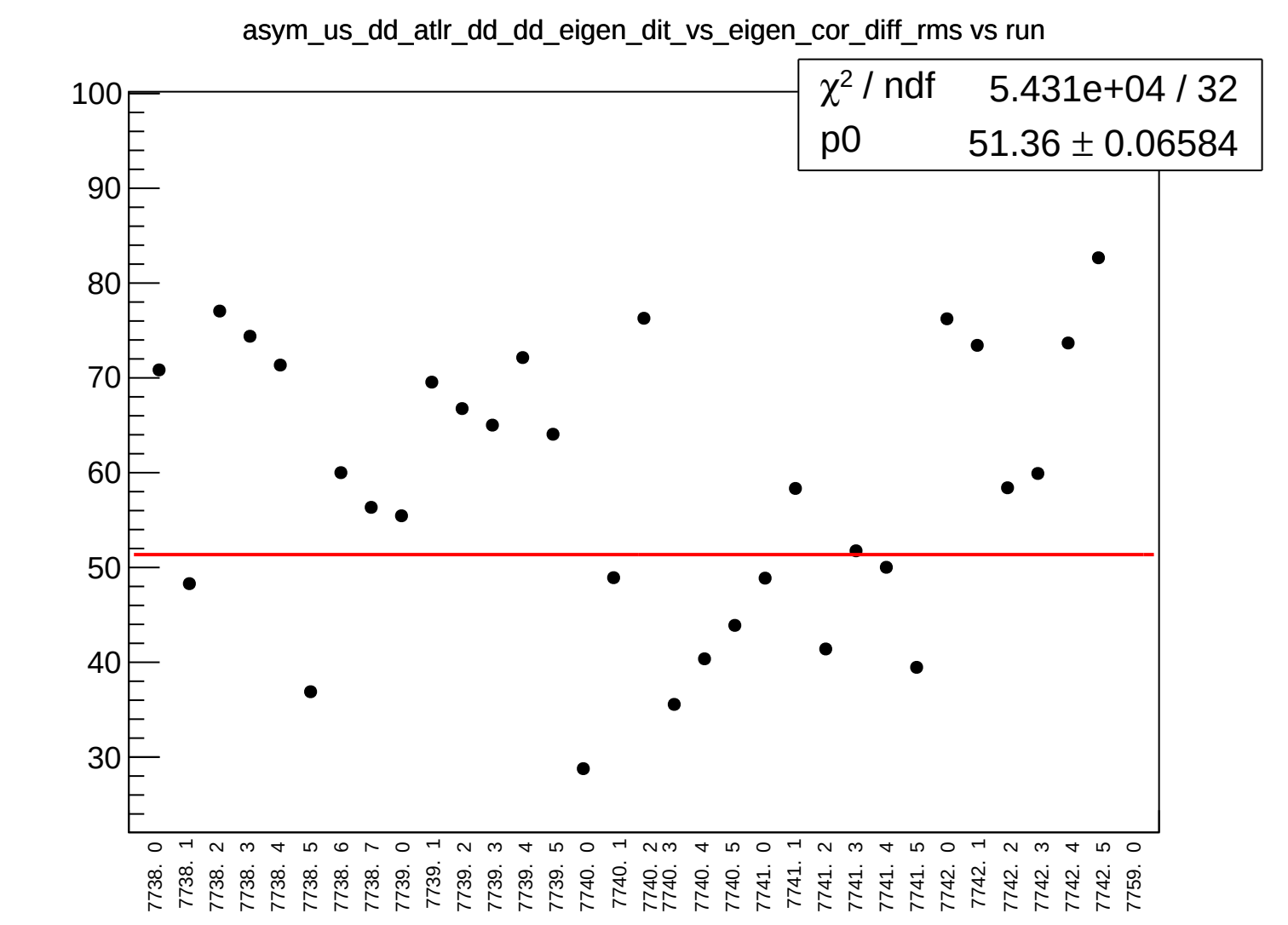

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.102e+04 / 32
p0 0.001737 ± 2.185e−06
0.01
0.008
0.006
0.004
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

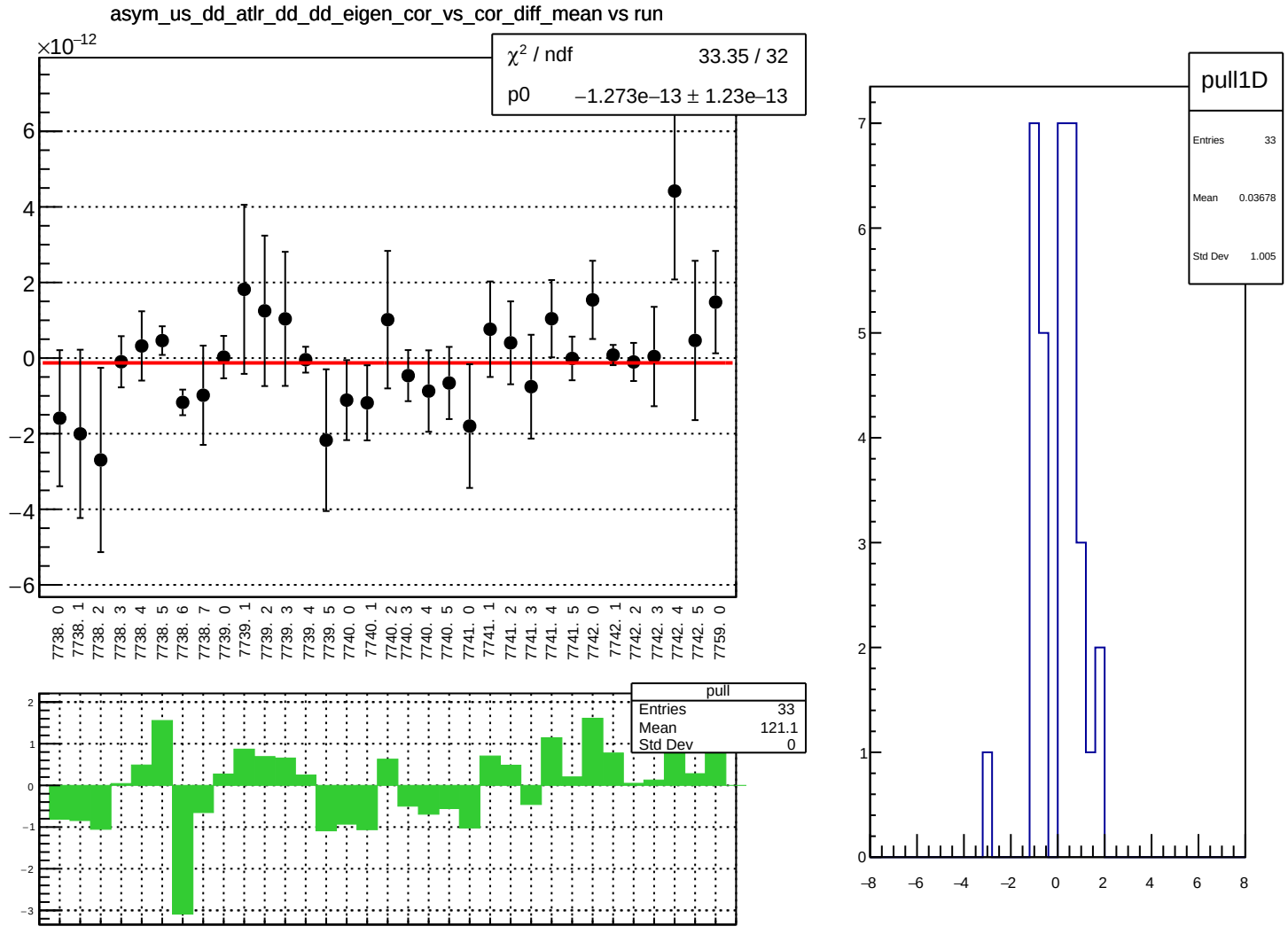

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.14 / 32
p0 −0.1082 ± 0.09311
pull
Entries 33
Mean 136.8
Std Dev 0
pull1D
Entries 33
Mean 0.009344
Std Dev 1.002

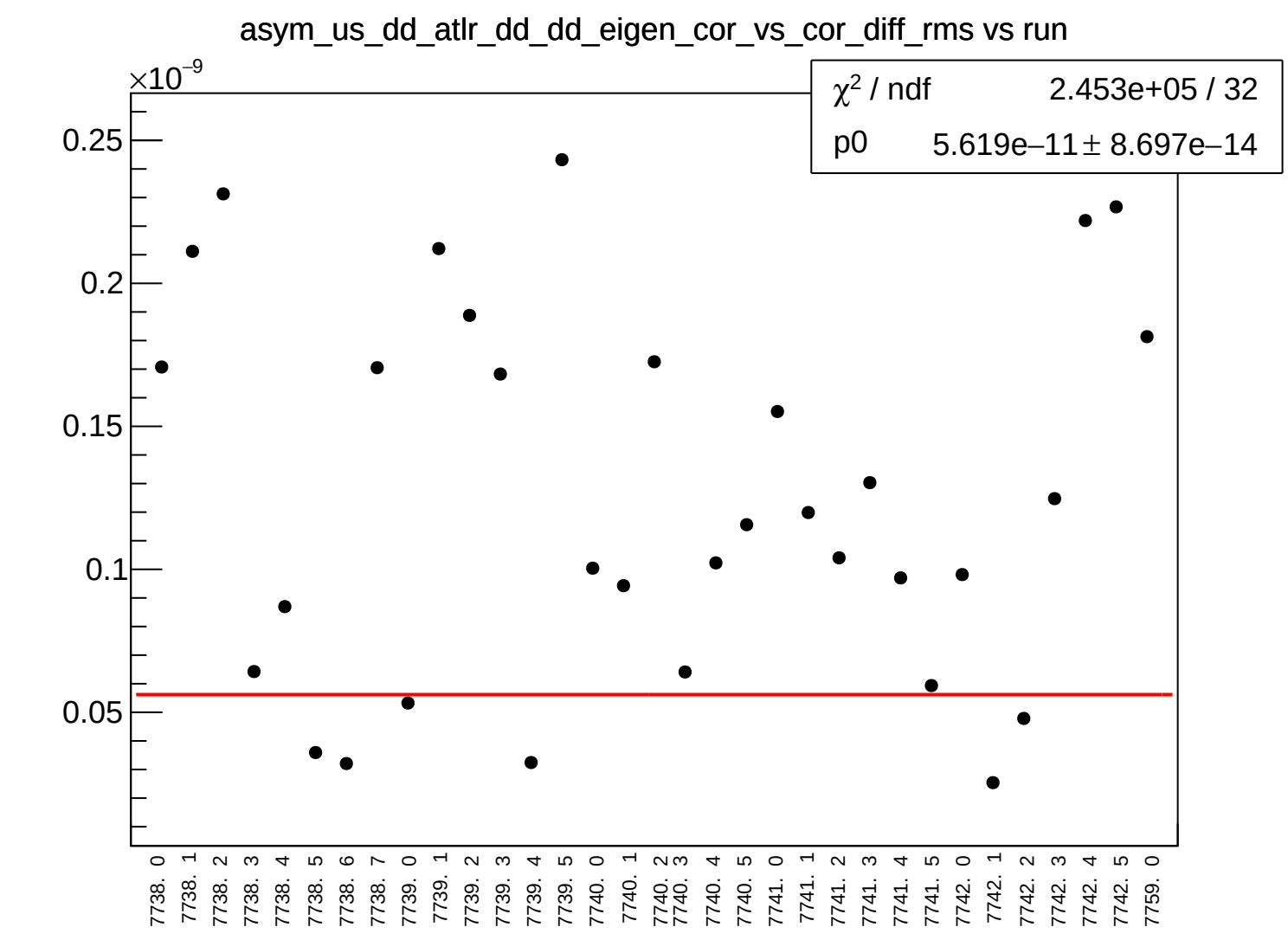

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.431e+04 / 32
p0 51.36 ± 0.06584
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

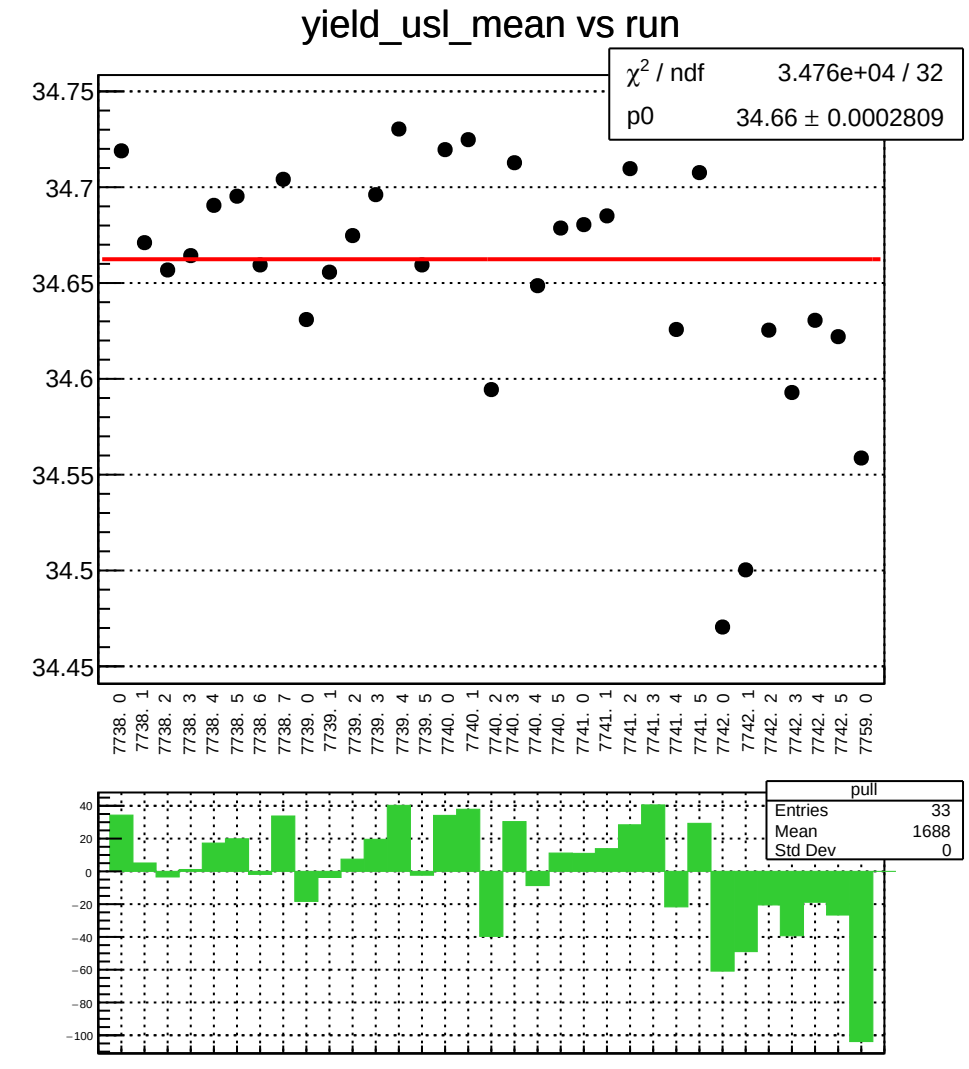

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.14 / 32
p0 −0.1082 ± 0.09311
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 136.8
Std Dev 0

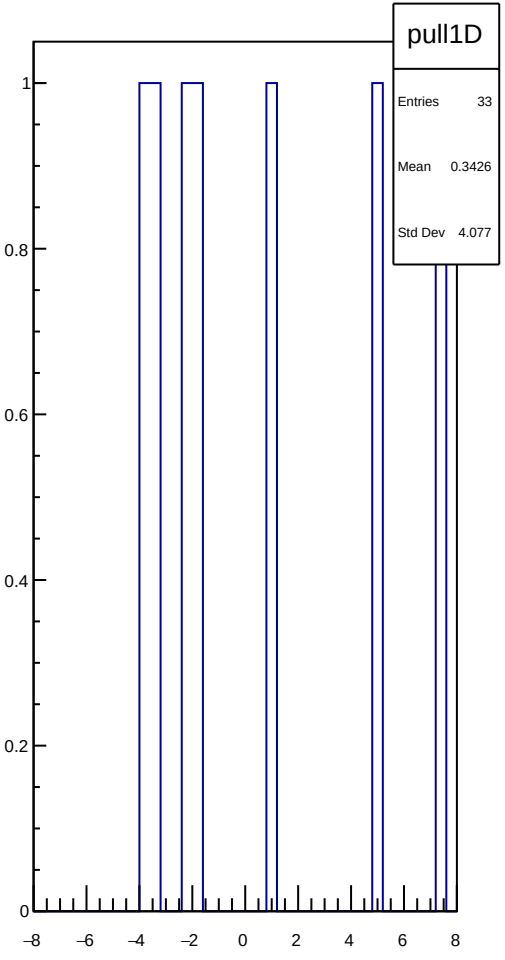

pull1D
Entries 33
Mean 0.009344
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

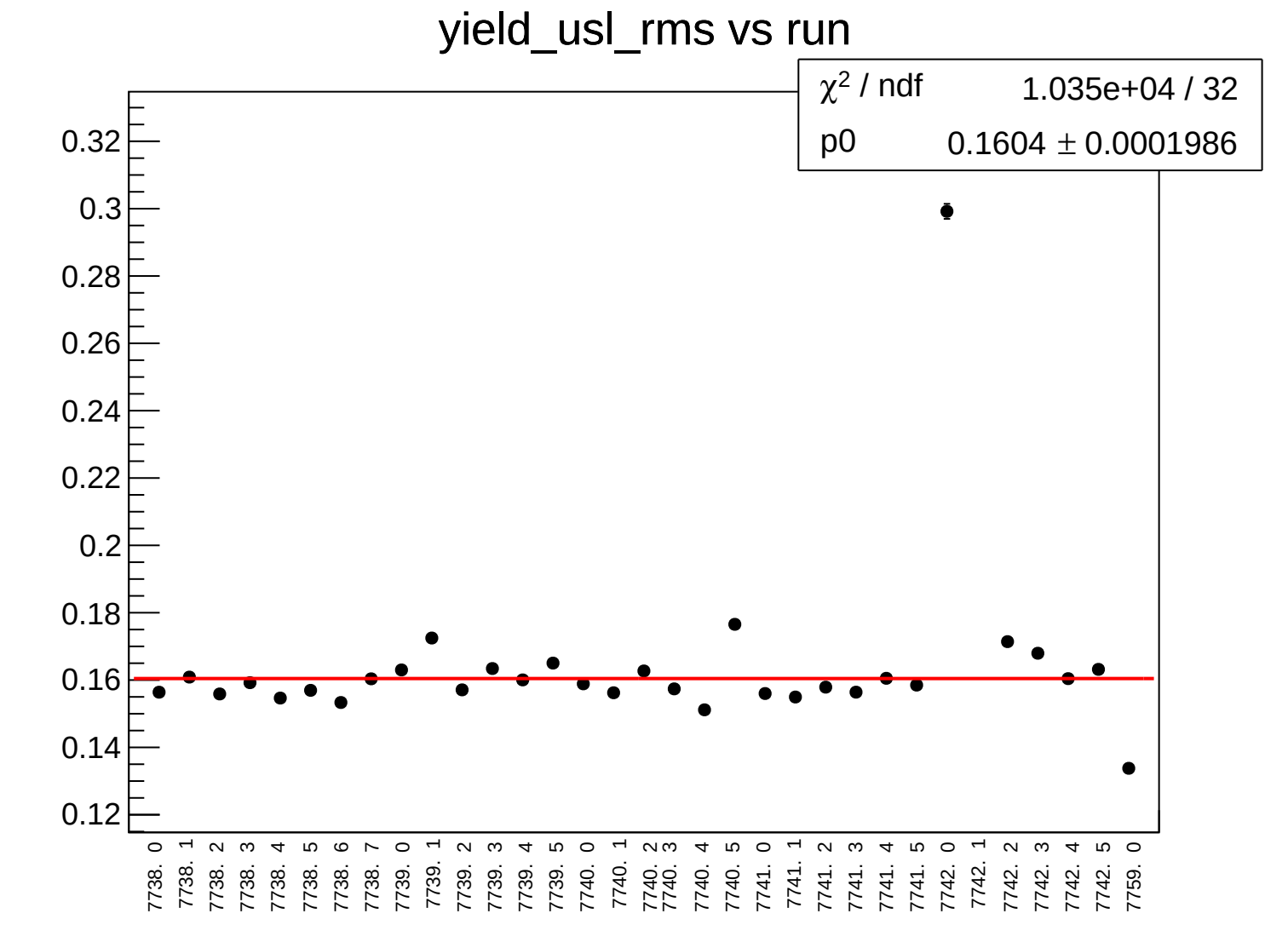

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.431e+04 / 32
p0 51.36 ± 0.06584
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

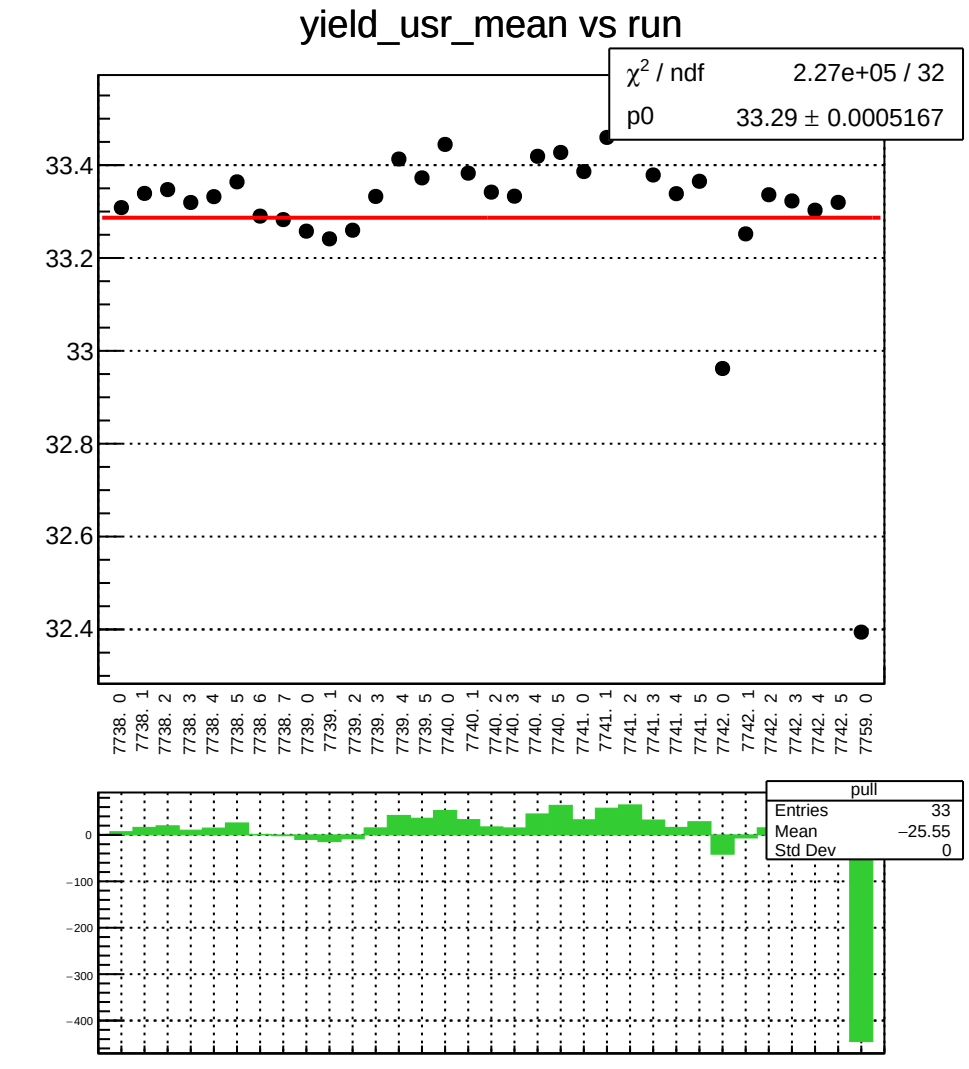

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 33.35 / 32
p0 −1.273e−13 ± 1.23e−13
6
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 121.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.03678
Std Dev 1.005
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

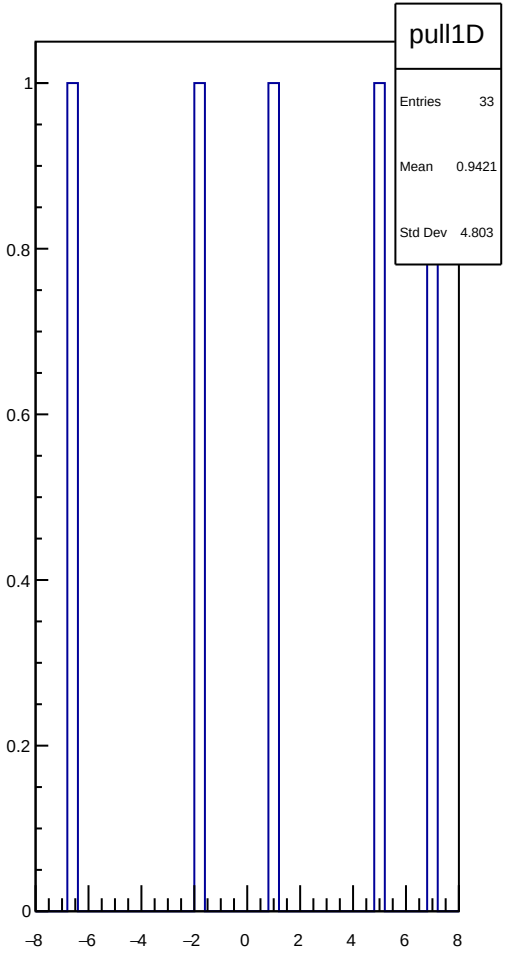

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.453e+05 / 32
p0 5.619e−11 ± 8.697e−14
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

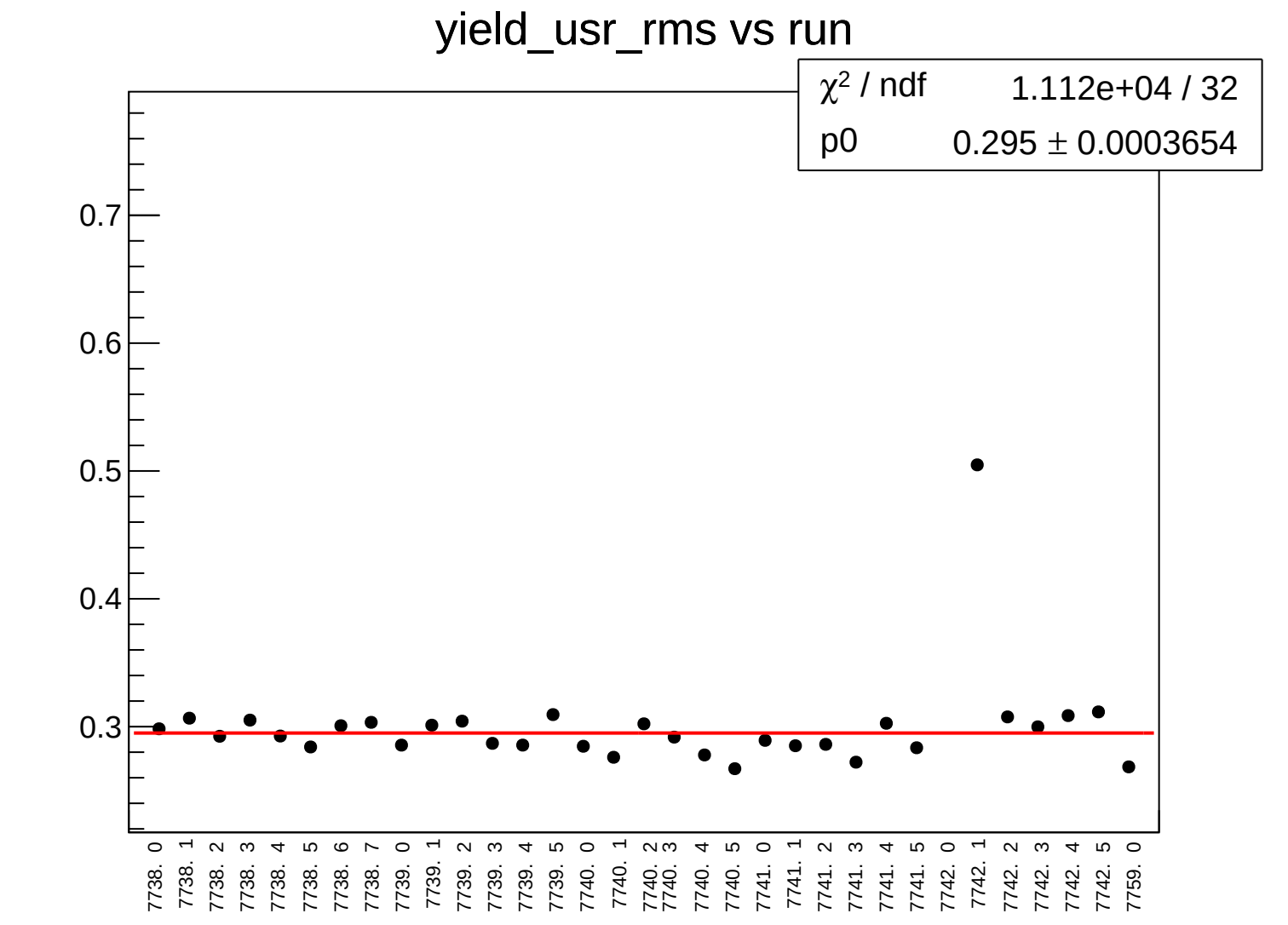

yield_usl_mean vs run
χ² / ndf 3.476e+04 / 32
p0 34.66 ± 0.0002809
34.75
34.7
34.65
34.6
34.55
34.5
34.45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1688
Std Dev 0
40
20
0
−20
−40
−60
−80
−100

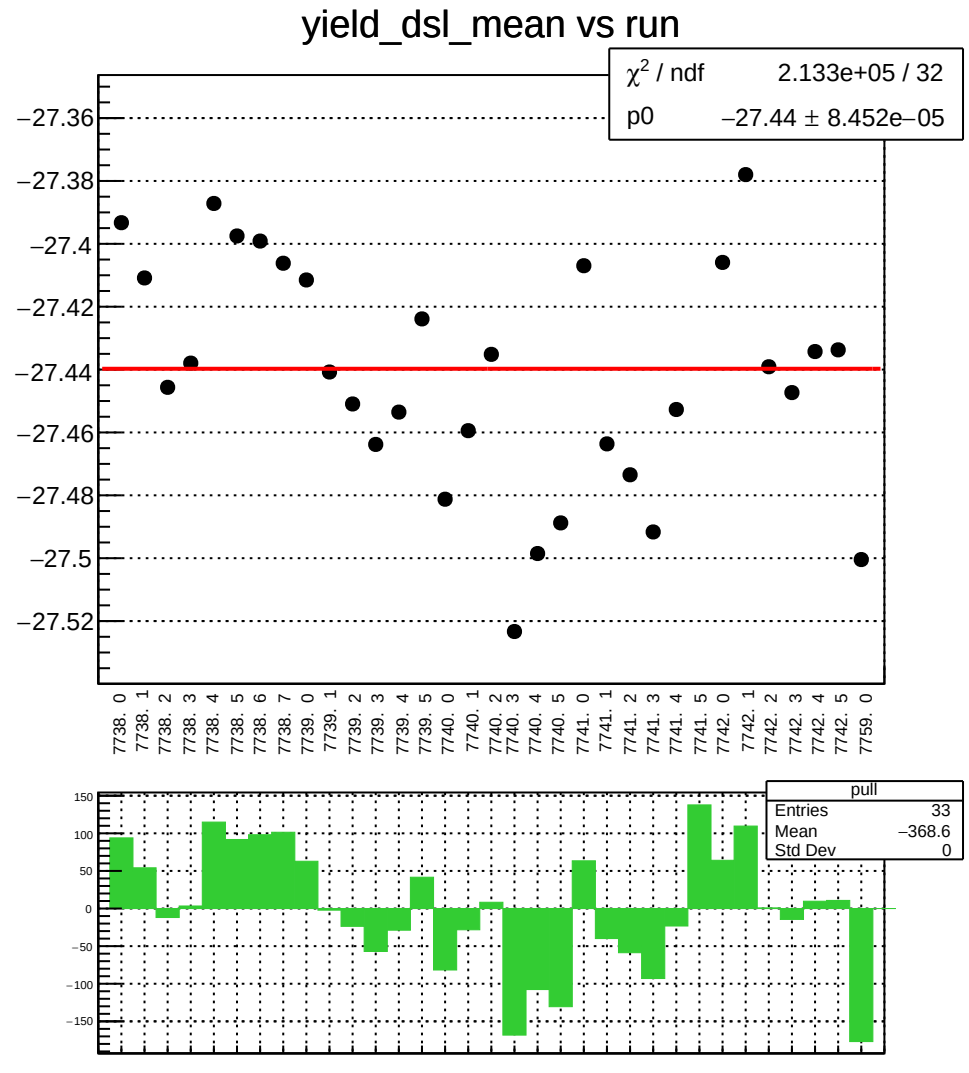

pull1D
Entries 33
Mean 0.3426
Std Dev 4.077
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

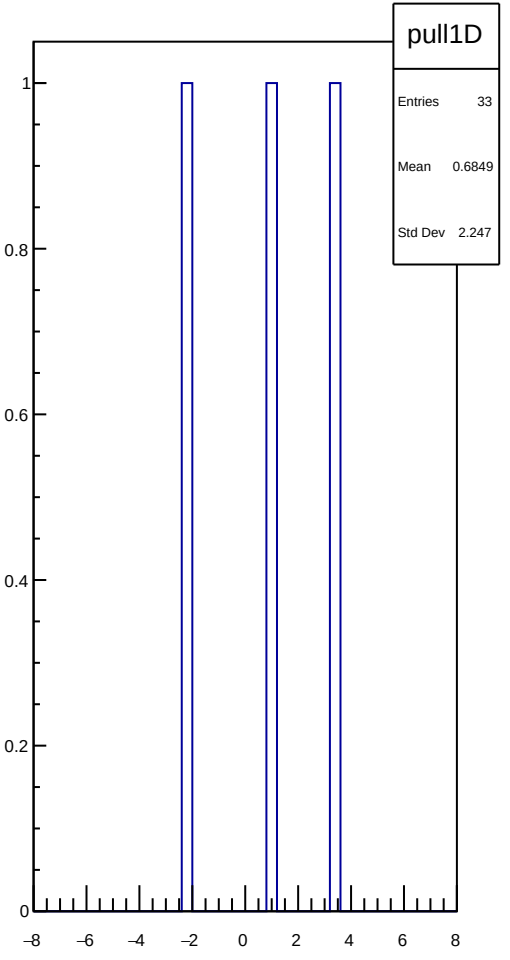

yield_usl_rms vs run
χ² / ndf 1.035e+04 / 32
p0 0.1604 ± 0.0001986
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

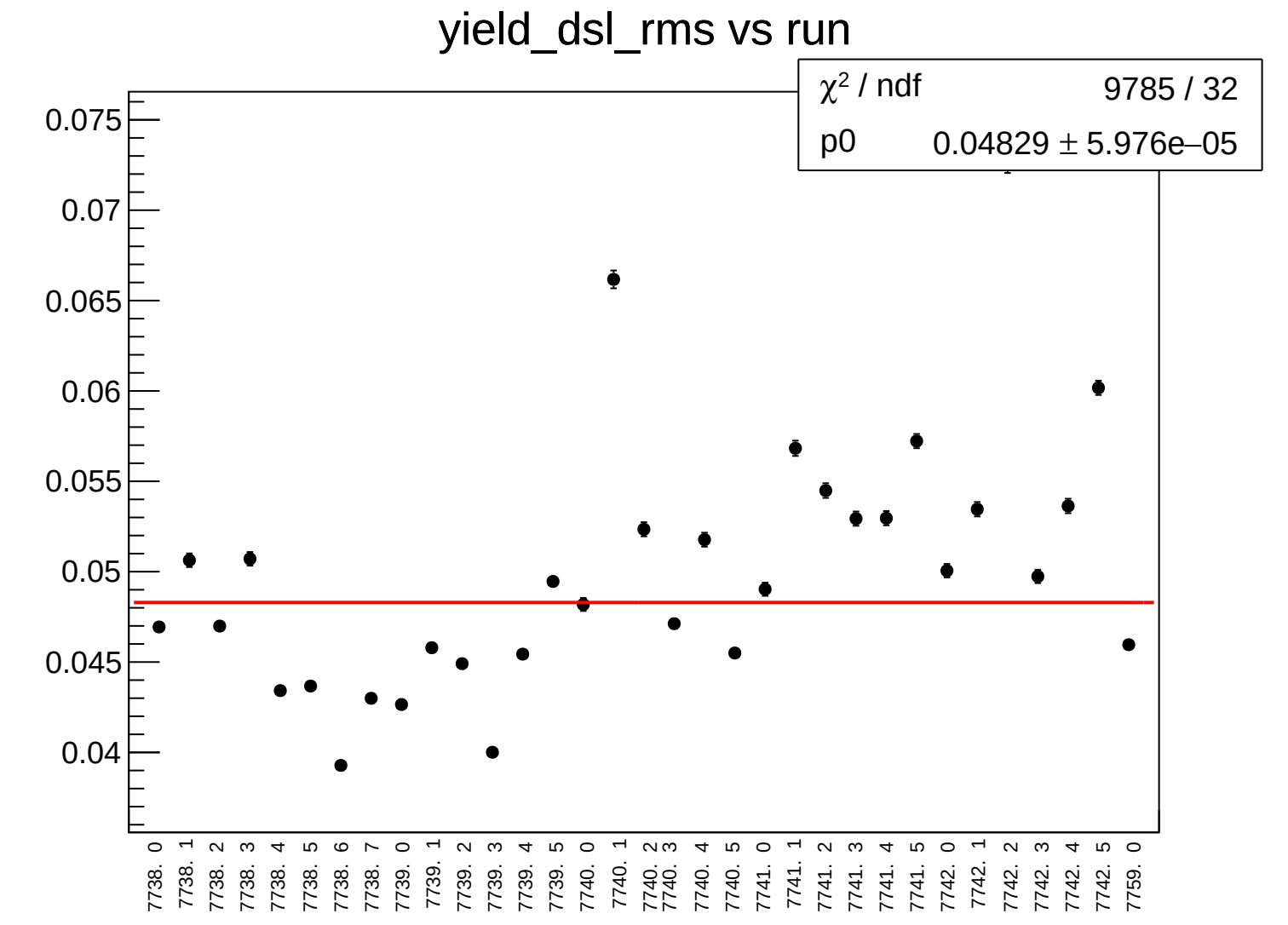

yield_usr_mean vs run
χ² / ndf 2.27e+05 / 32
p0 33.29 ± 0.0005167
33.4
33.2
33
32.8
32.6
32.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.55
Std Dev 0
0
−100
−200
−300
−400

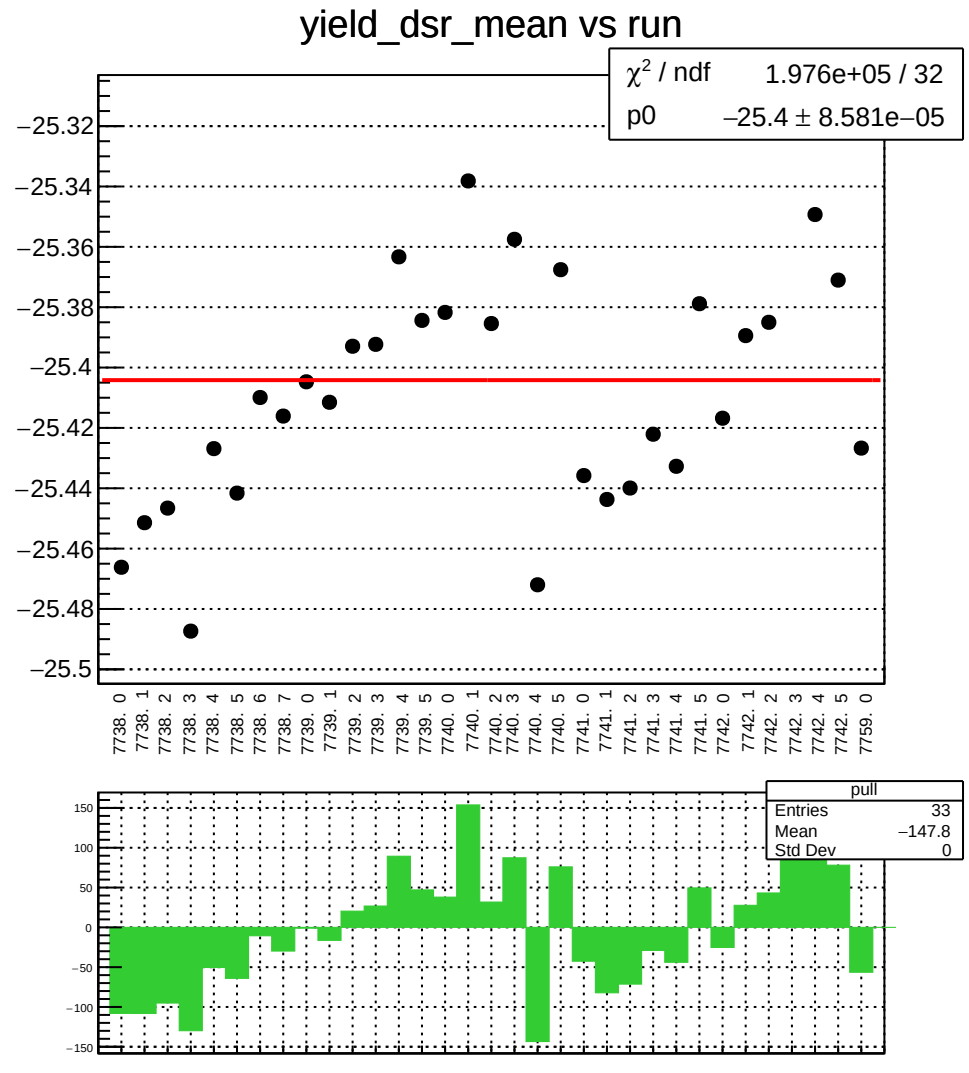

pull1D
Entries 33
Mean 0.9421
Std Dev 4.803
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

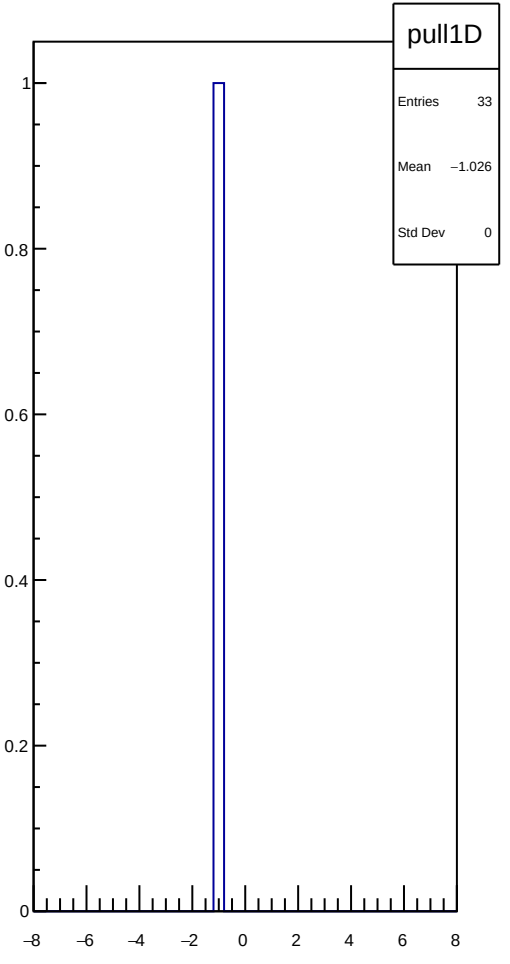

yield_usr_rms vs run
χ² / ndf 1.112e+04 / 32
p0 0.295 ± 0.0003654
0.7
0.6
0.5
0.4
0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

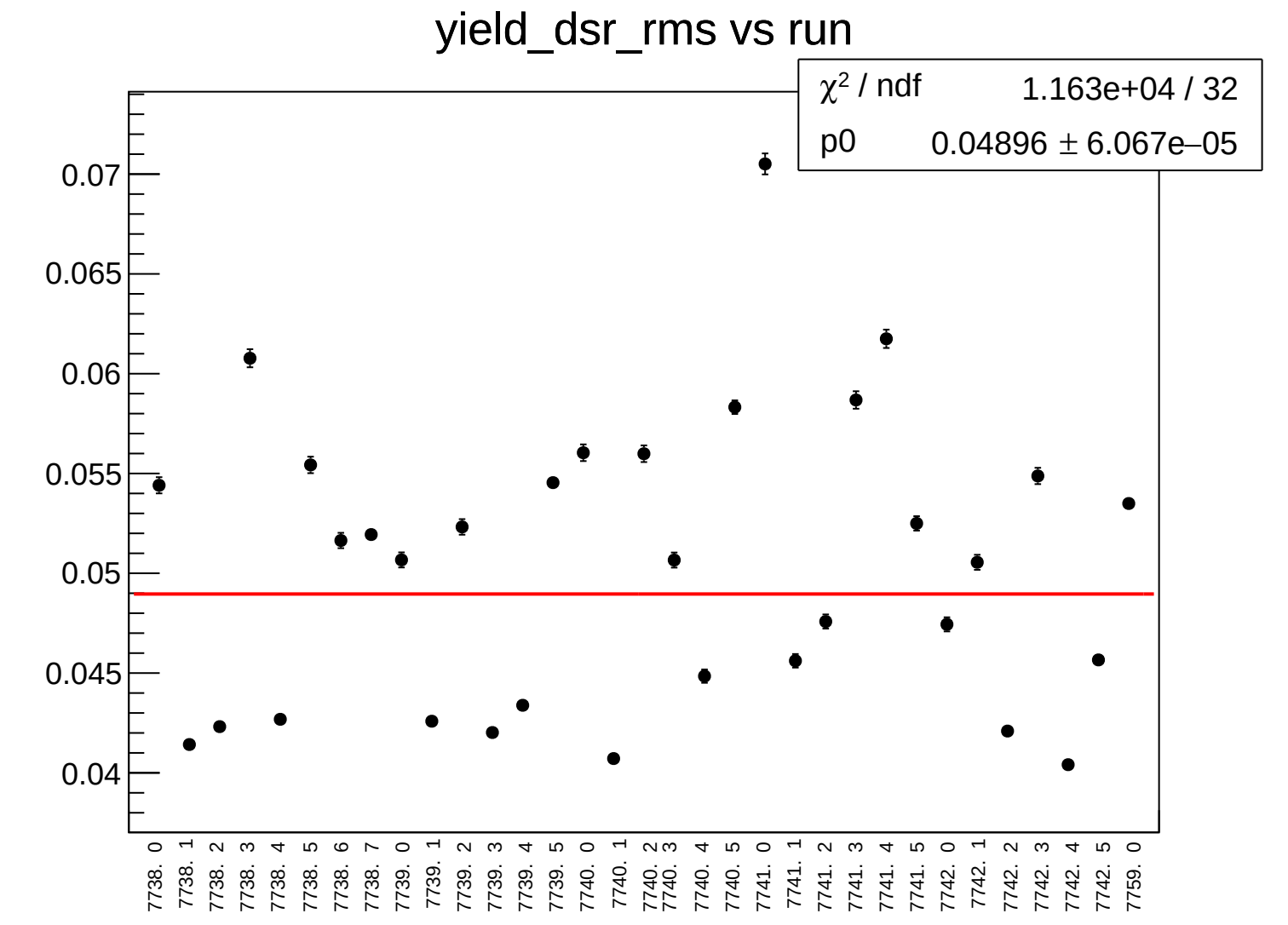

yield_dsl_mean vs run
χ² / ndf 2.133e+05 / 32
p0 −27.44 ± 8.452e−05
−27.36
−27.38
−27.4
−27.42
−27.44
−27.46
−27.48
−27.5
−27.52
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −368.6
Std Dev 0
150
100
50
0
−50
−100
−150

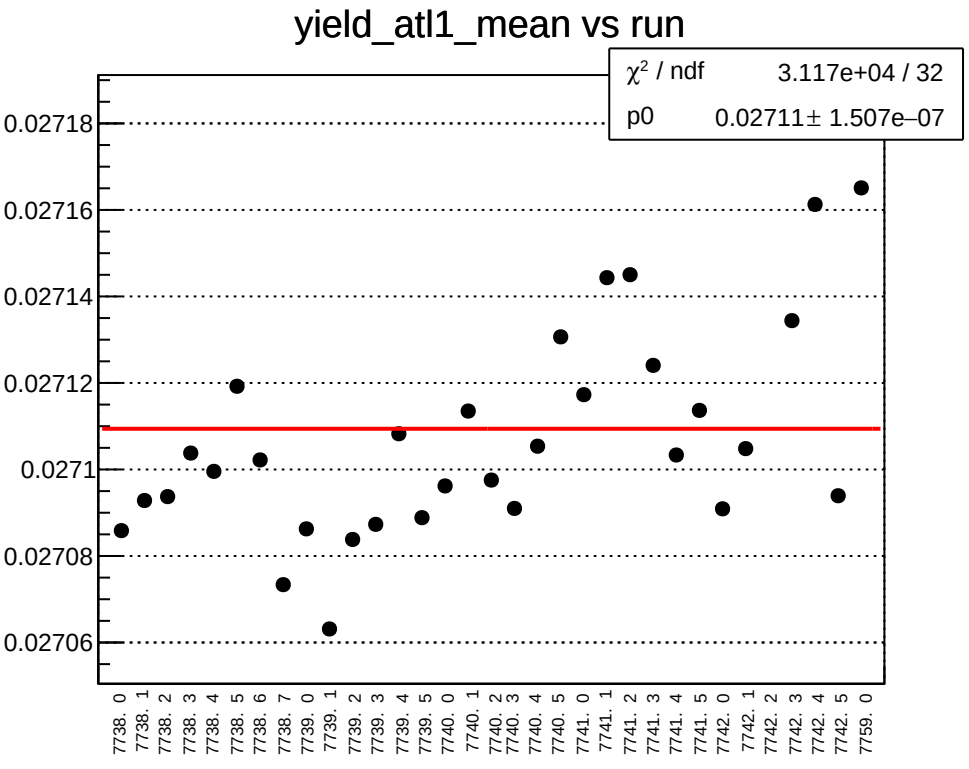

pull1D
Entries 33
Mean 0.6849
Std Dev 2.247
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

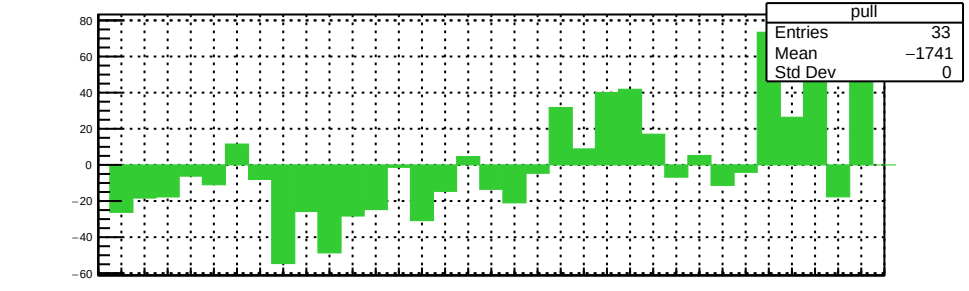

yield_dsl_rms vs run
χ² / ndf 9785 / 32
p0 0.04829 ± 5.976e−05
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

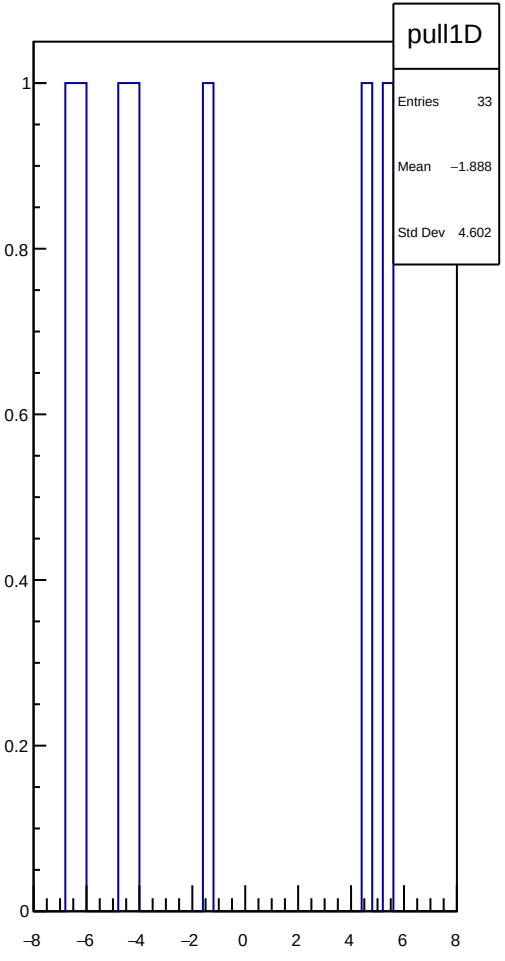

yield_dsr_mean vs run
χ² / ndf 1.976e+05 / 32
p0 −25.4 ± 8.581e−05
−25.32
−25.34
−25.36
−25.38
−25.4
−25.42
−25.44
−25.46
−25.48
−25.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −147.8
Std Dev 0
150
100
50
0
−50
−100
−150

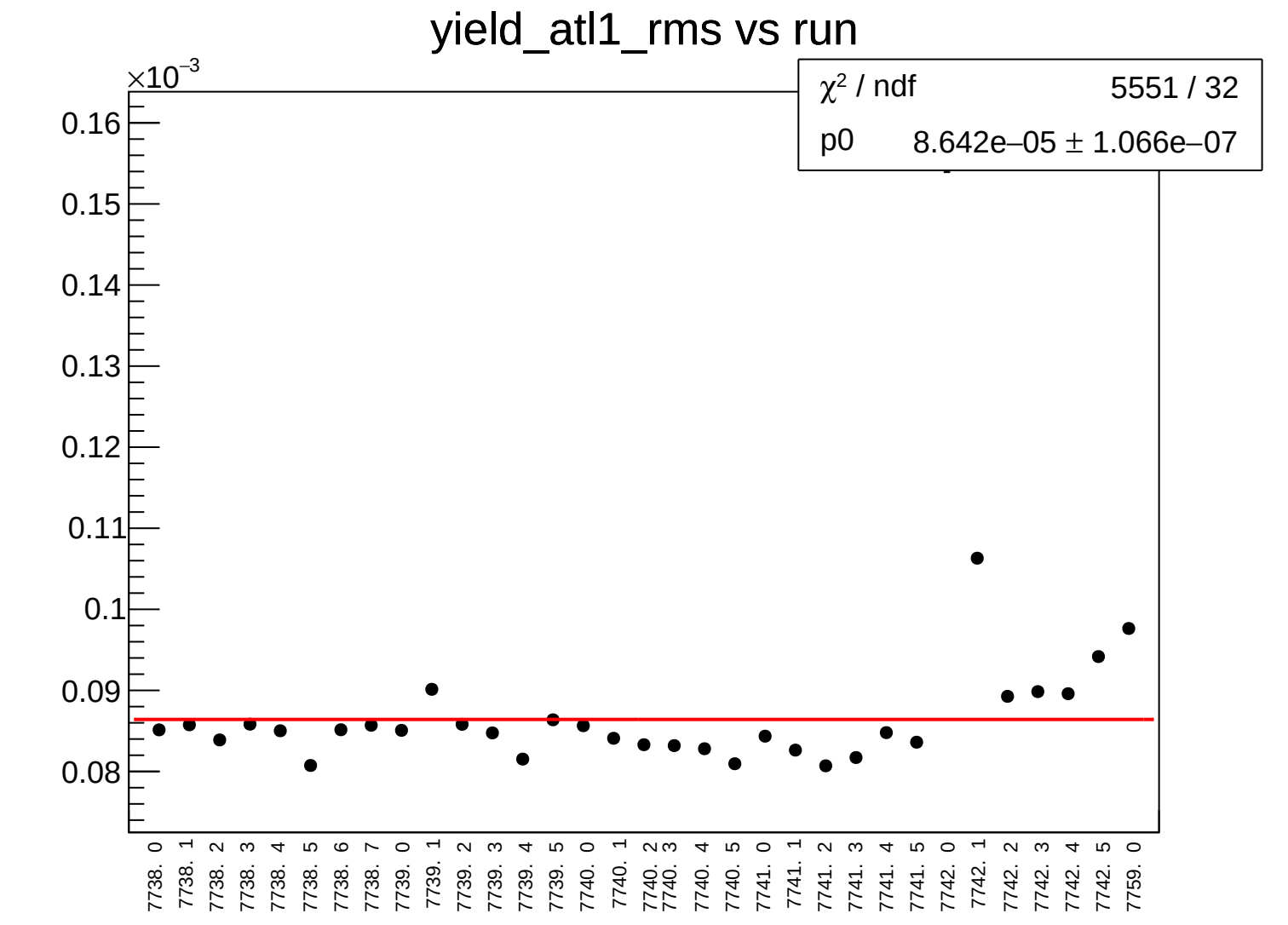

pull1D
Entries 33
Mean −1.026
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

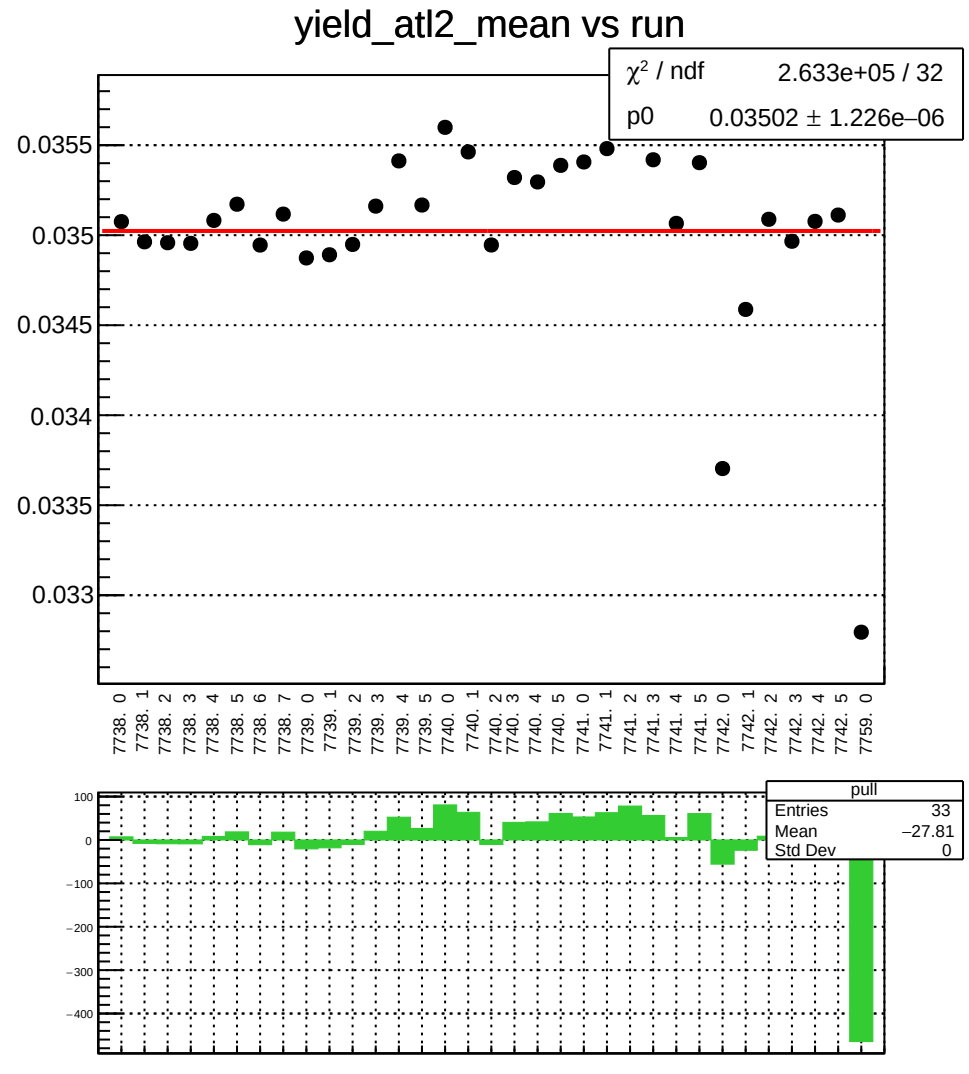

yield_dsr_rms vs run
χ² / ndf 1.163e+04 / 32
p0 0.04896 ± 6.067e–05
0.07
0.065
0.06
0.055
0.05
0.045
0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

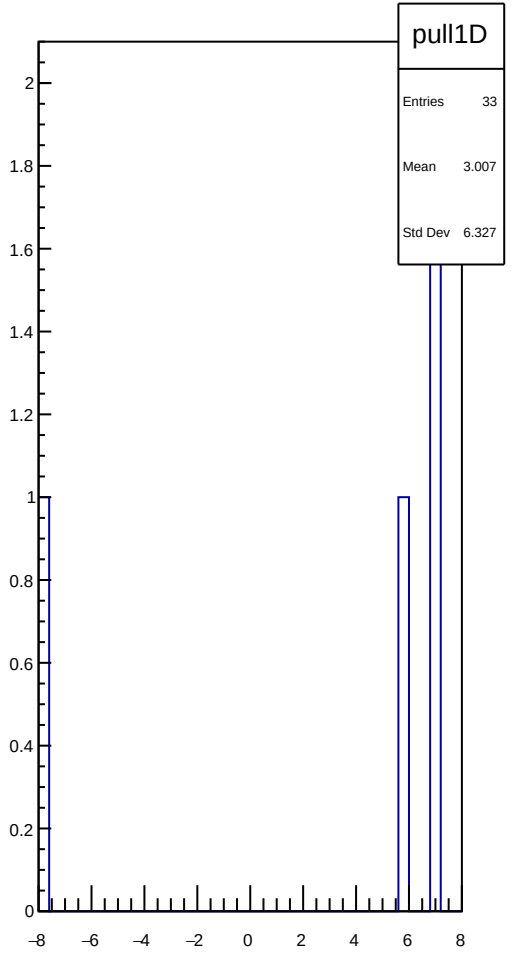

yield_atl1_mean vs run
χ² / ndf 3.117e+04 / 32
p0 0.02711± 1.507e–07
0.02718
0.02716
0.02714
0.02712
0.0271
0.02708
0.02706
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

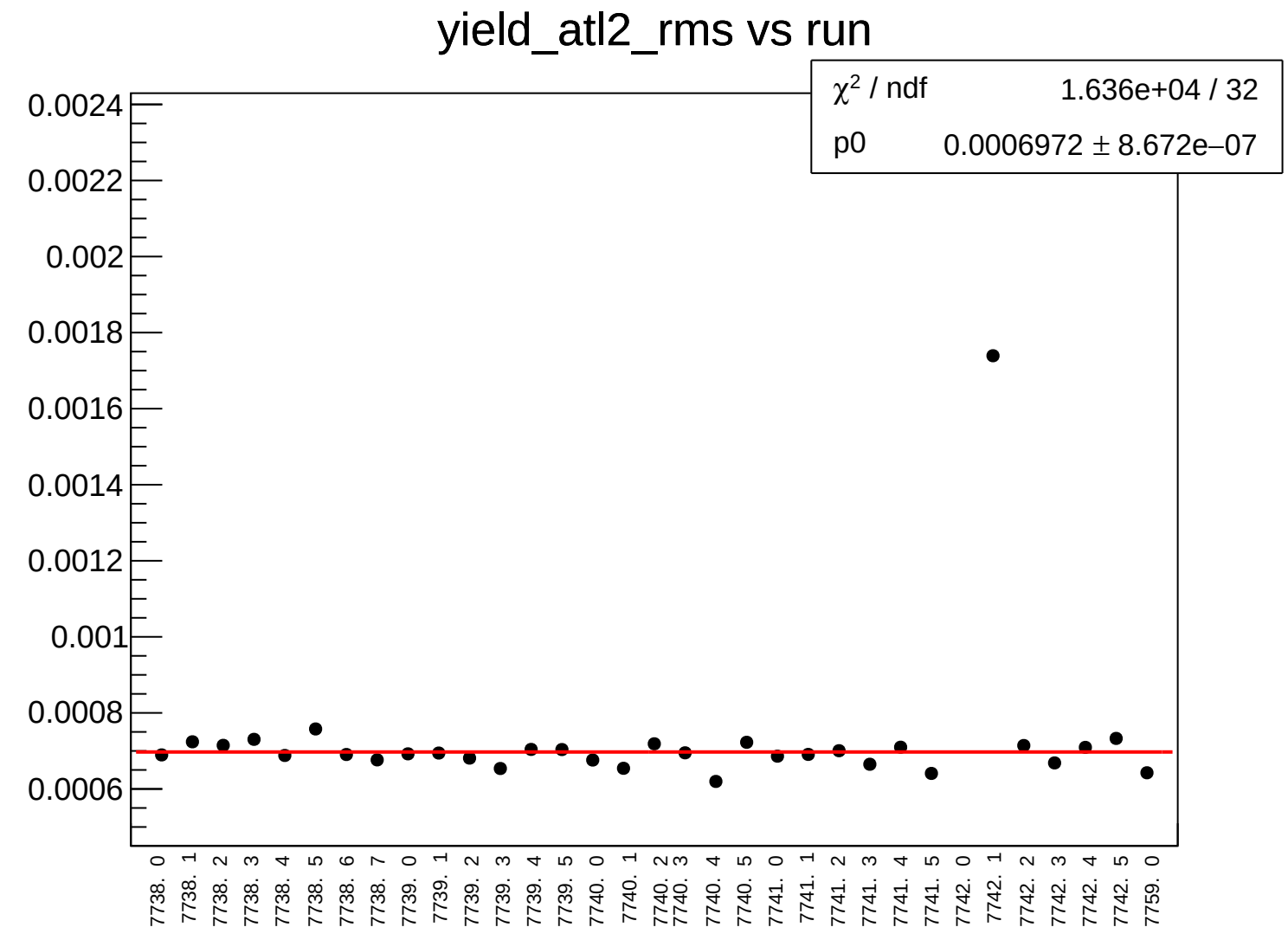

pull
Entries 33
Mean –1741
Std Dev 0
80
60
40
20
0
–20
–40
–60

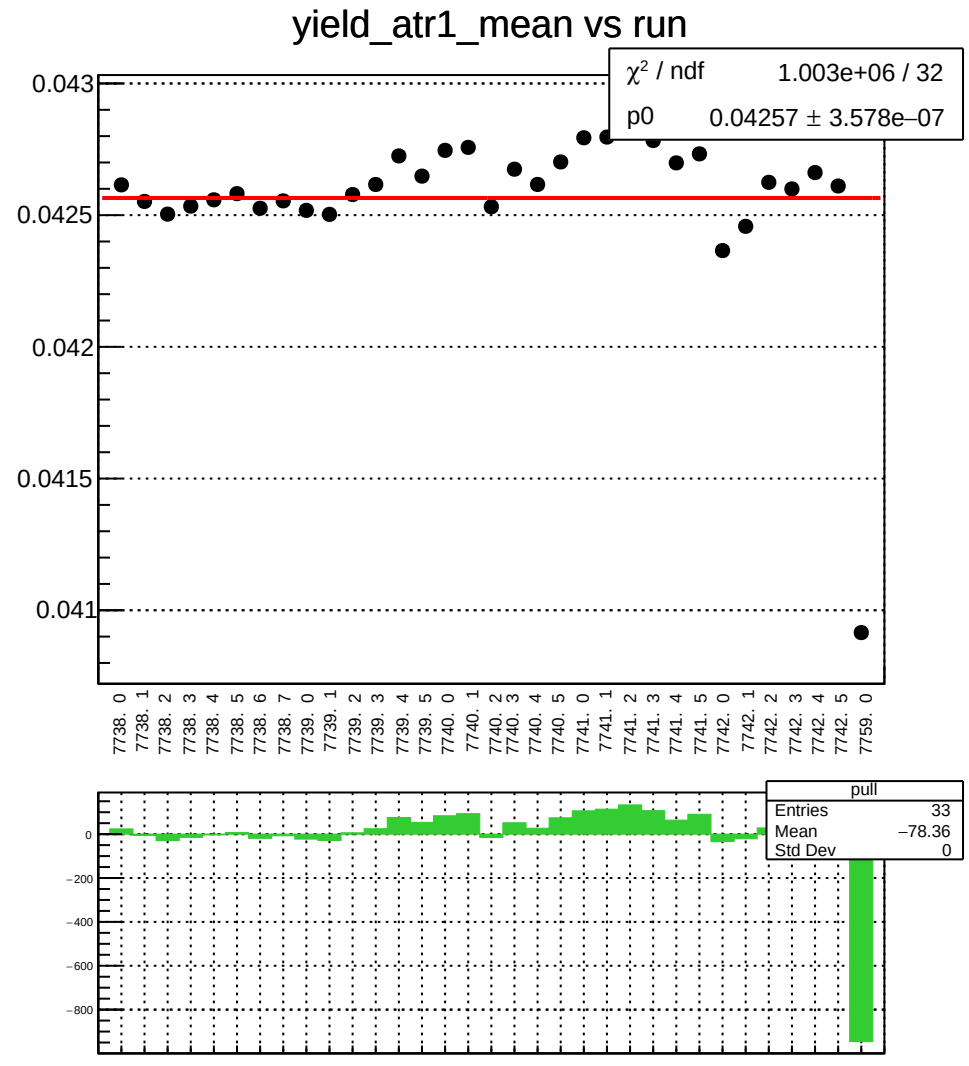

pull1D
Entries 33
Mean –1.888
Std Dev 4.602
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

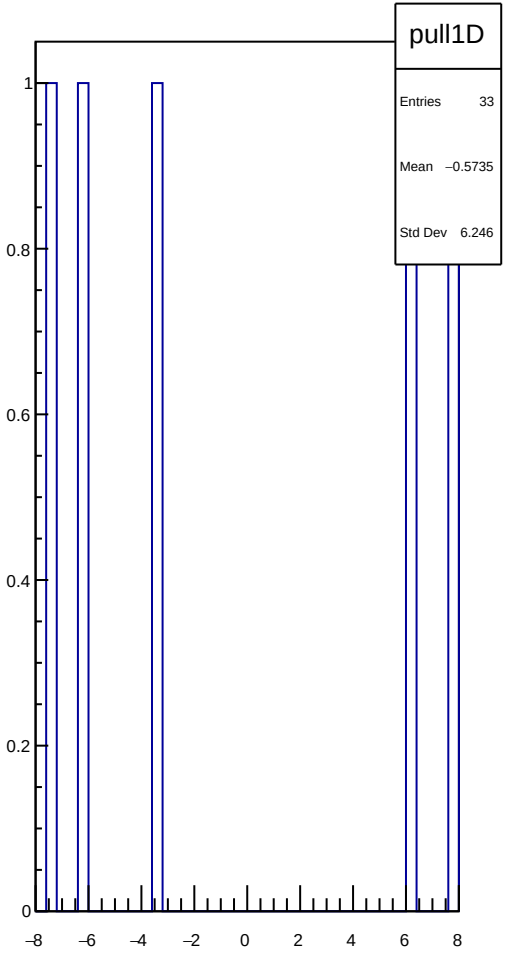

yield_atl1_rms vs run
×10⁻³
χ² / ndf 5551 / 32
p0 8.642e−05 ± 1.066e−07
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

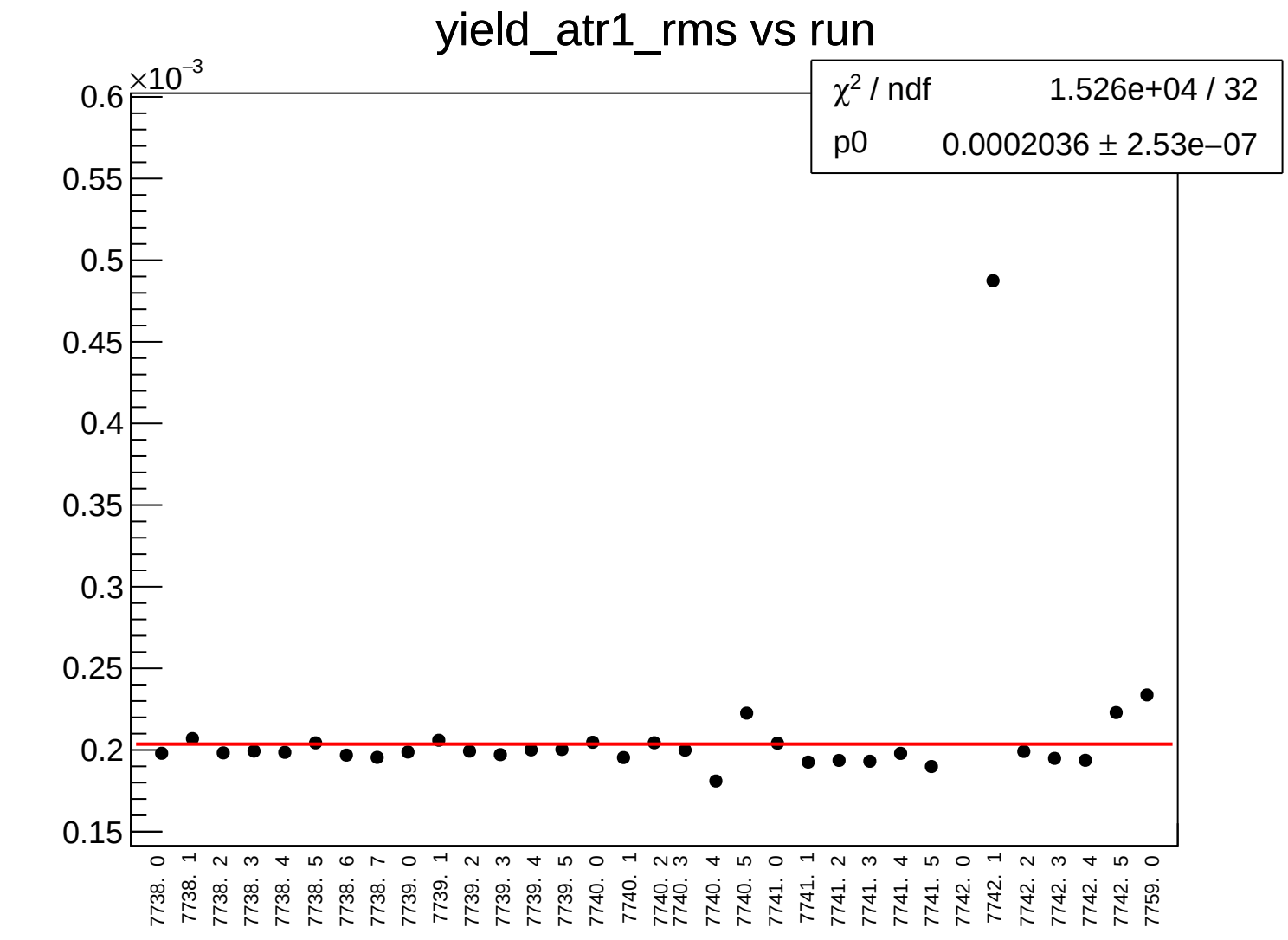

yield_atl2_mean vs run
χ² / ndf 2.633e+05 / 32
p0 0.03502 ± 1.226e−06
0.0355
0.035
0.0345
0.034
0.0335
0.033
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.81
Std Dev 0
100
0
−100
−200
−300
−400

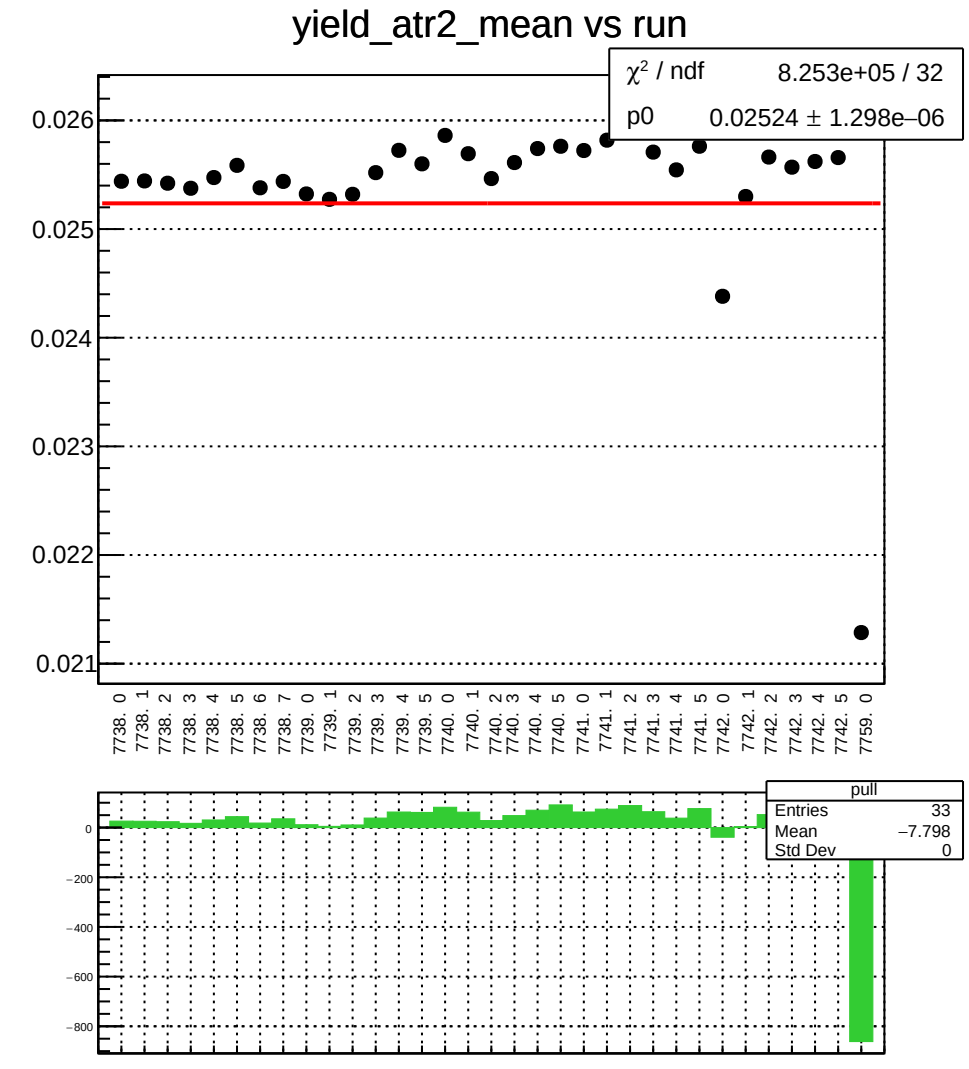

pull1D
Entries 33
Mean 3.007
Std Dev 6.327
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

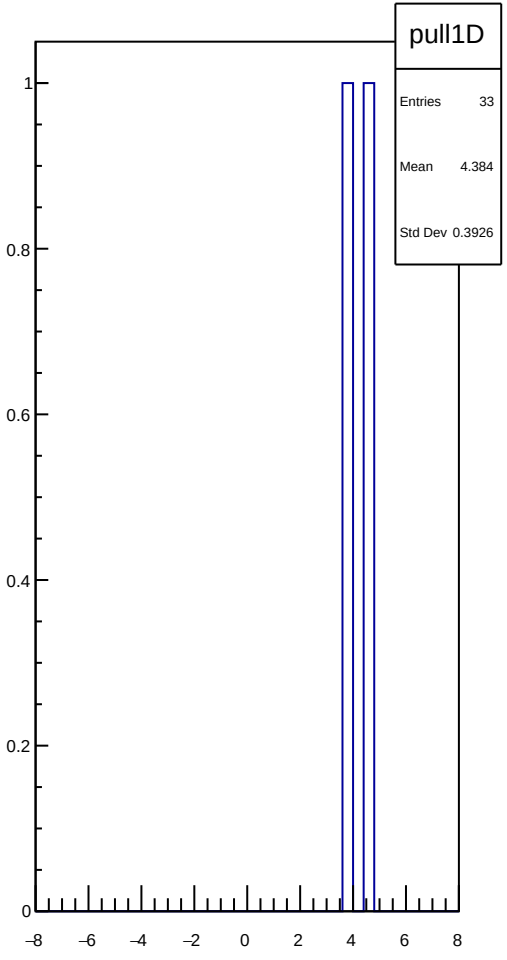

yield_atl2_rms vs run
χ² / ndf 1.636e+04 / 32
p0 0.0006972 ± 8.672e−07
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

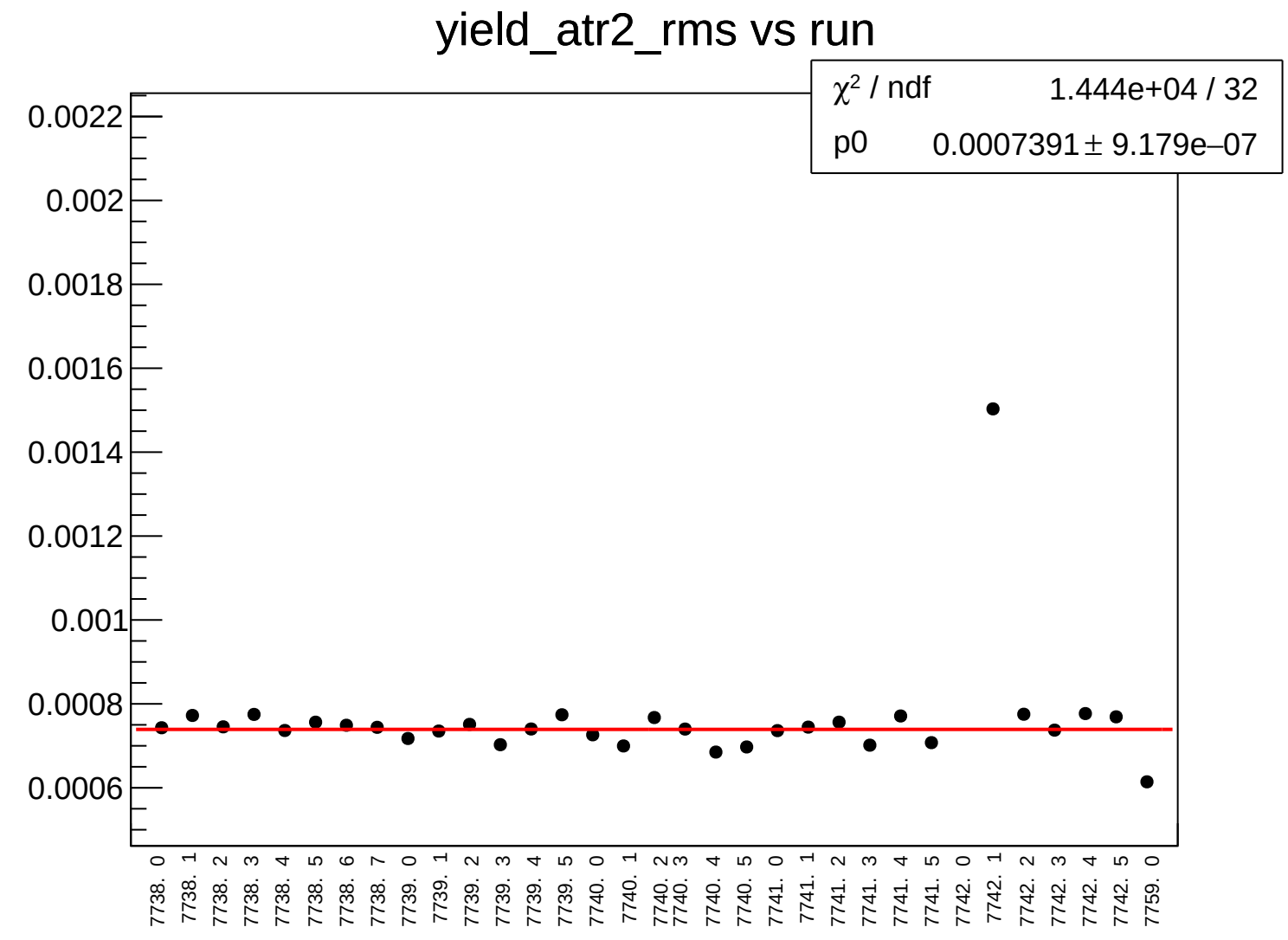

yield_atr1_mean vs run
χ² / ndf 1.003e+06 / 32
p0 0.04257 ± 3.578e–07
0.043
0.0425
0.042
0.0415
0.041
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean –78.36
Std Dev 0
0
–200
–400
–600
–800

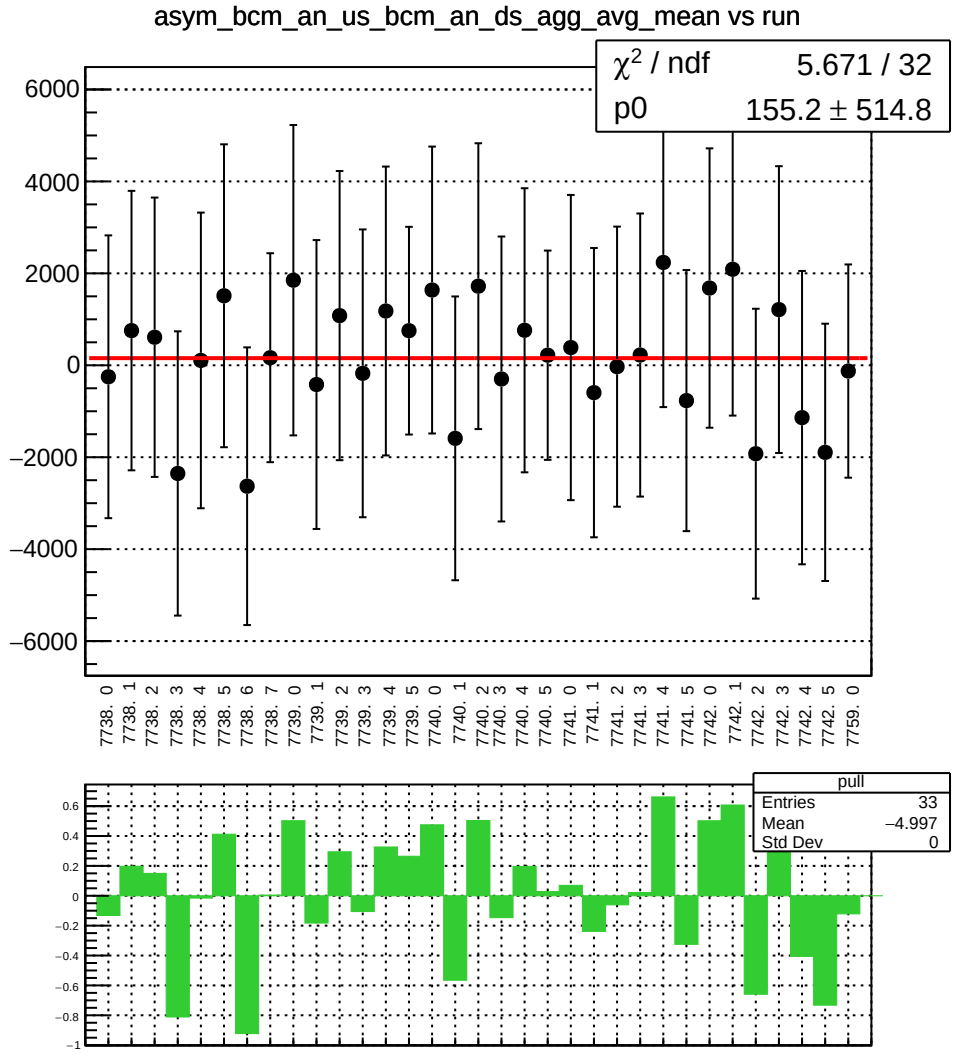

pull1D
Entries 33
Mean –0.5735
Std Dev 6.246
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

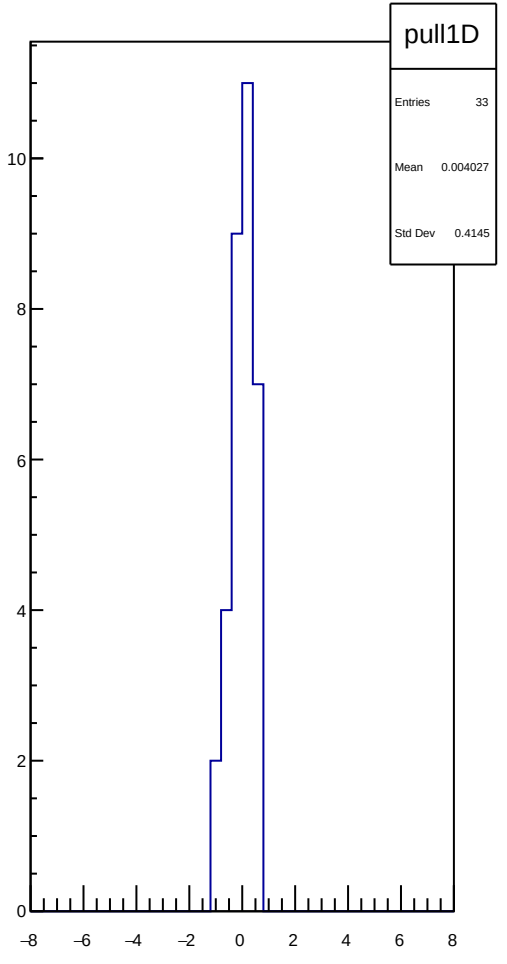

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.526e+04 / 32
p0 0.0002036 ± 2.53e−07
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

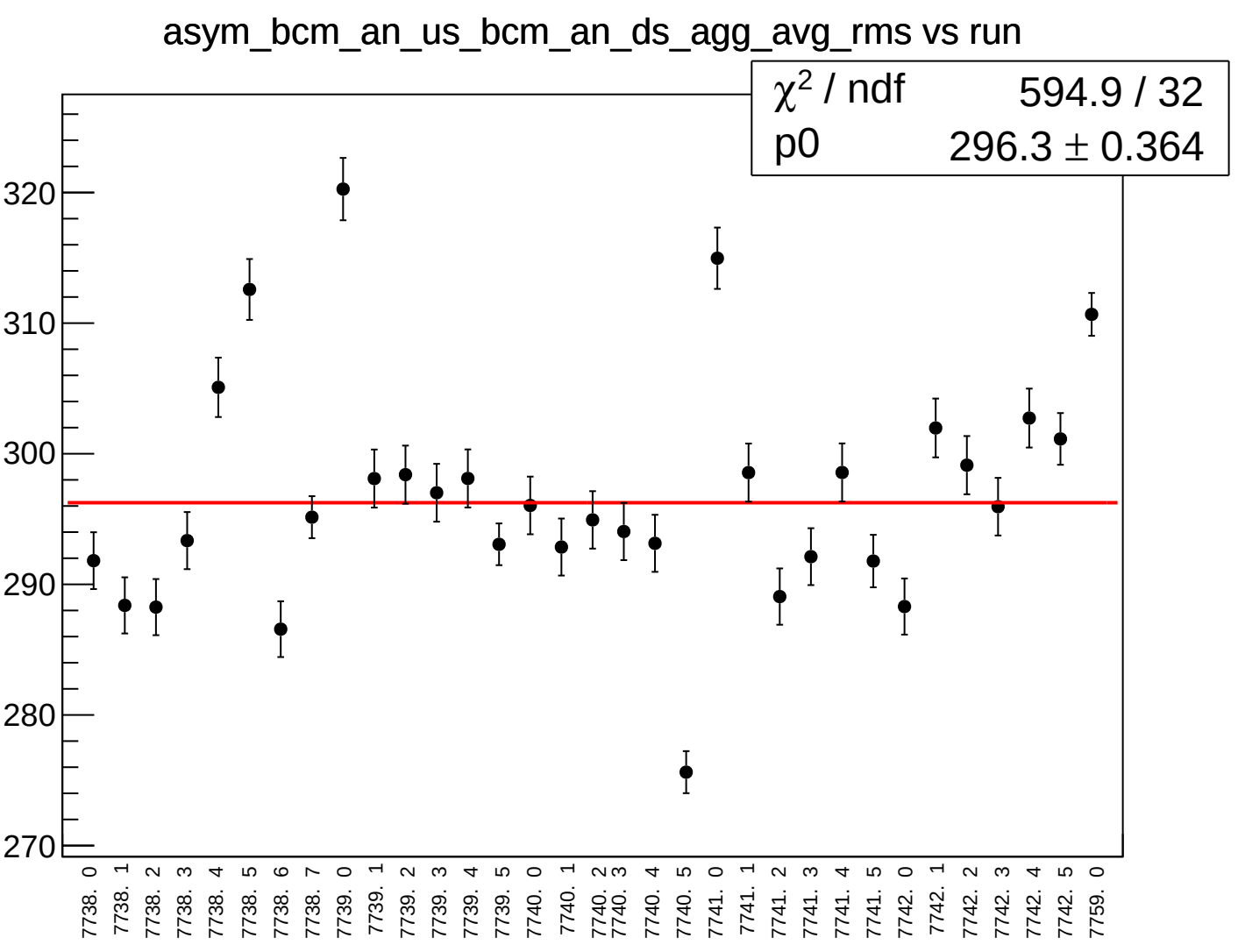

yield_atr2_mean vs run
χ² / ndf 8.253e+05 / 32
p0 0.02524 ± 1.298e−06
0.026
0.025
0.024
0.023
0.022
0.021
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.798
Std Dev 0
0
−200
−400
−600
−800

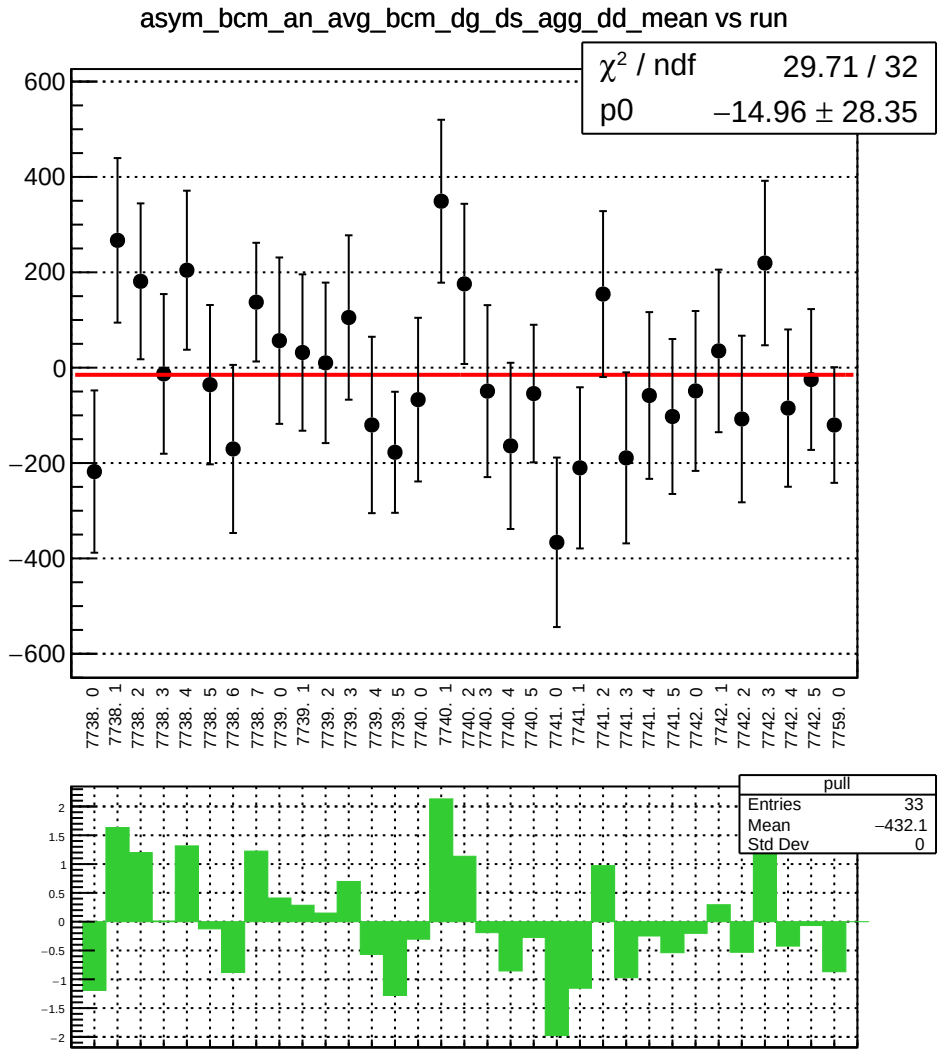

pull1D
Entries 33
Mean 4.384
Std Dev 0.3926
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

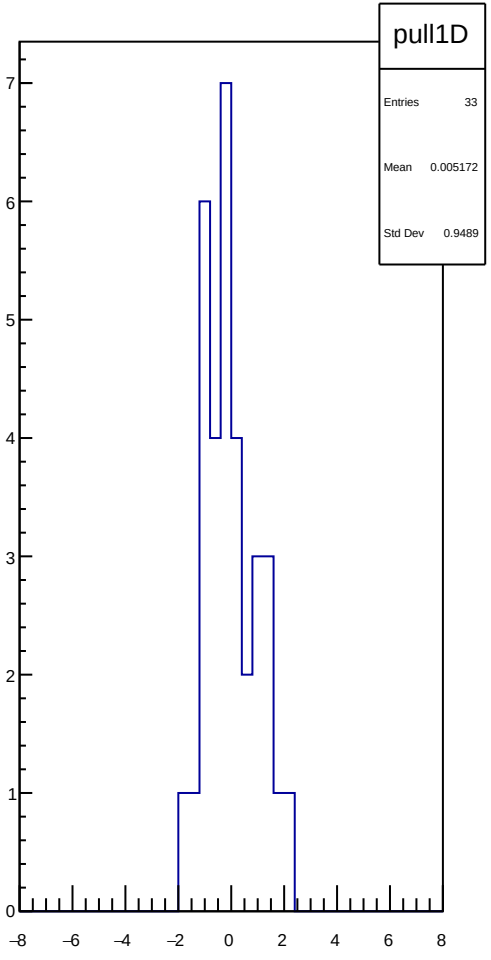

yield_atr2_rms vs run
χ² / ndf 1.444e+04 / 32
p0 0.0007391 ± 9.179e−07
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

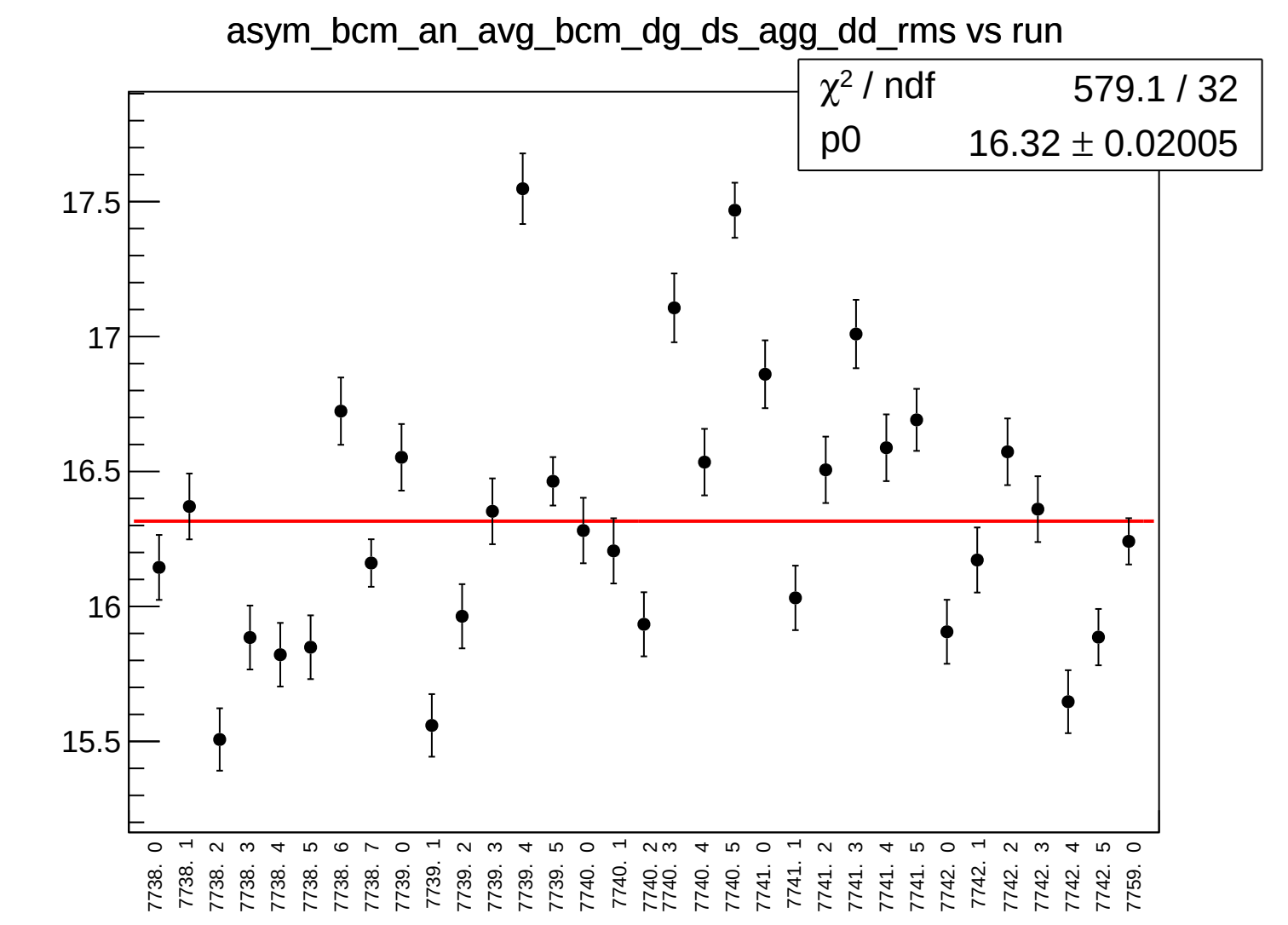

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 5.671 / 32
p0 155.2 ± 514.8
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.997
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

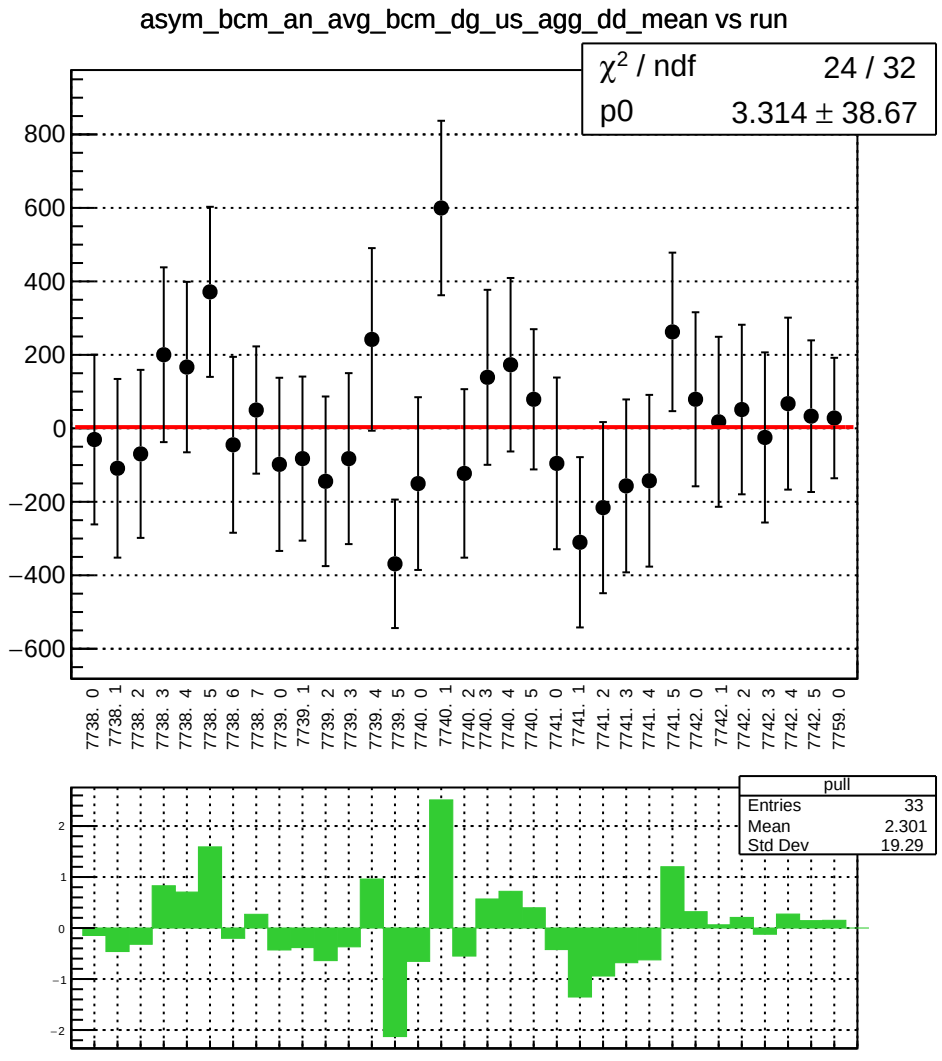

pull1D
Entries 33
Mean 0.004027
Std Dev 0.4145
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

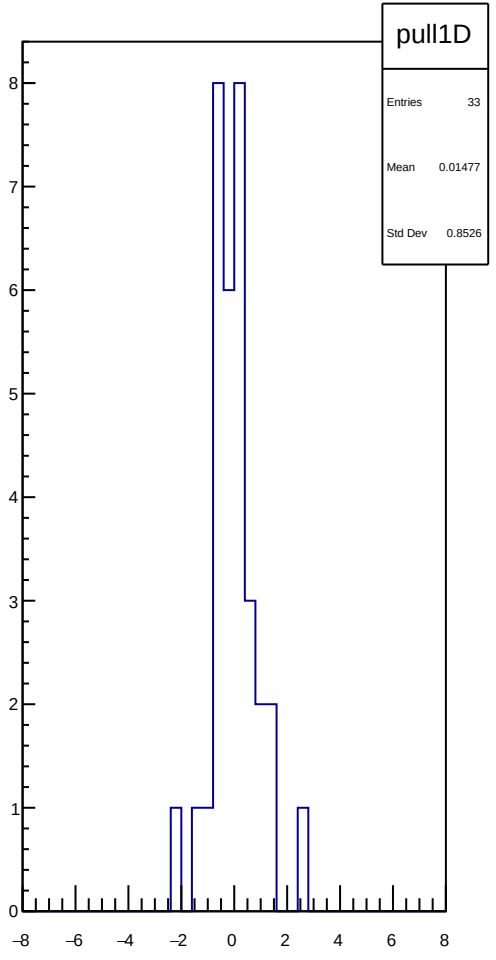

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 594.9 / 32
p0 296.3 ± 0.364
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

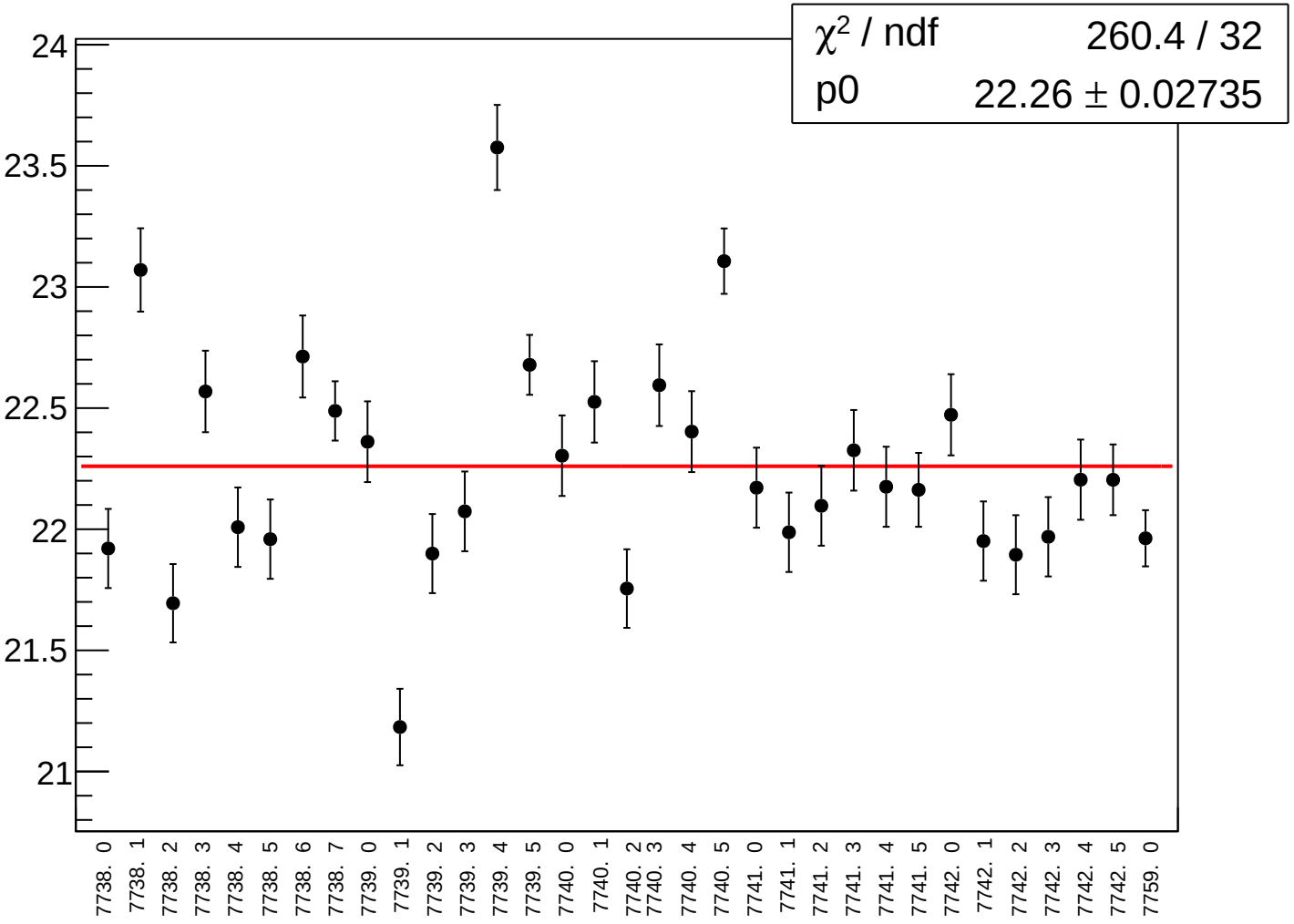

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 29.71 / 32
p0 −14.96 ± 28.35
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −432.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

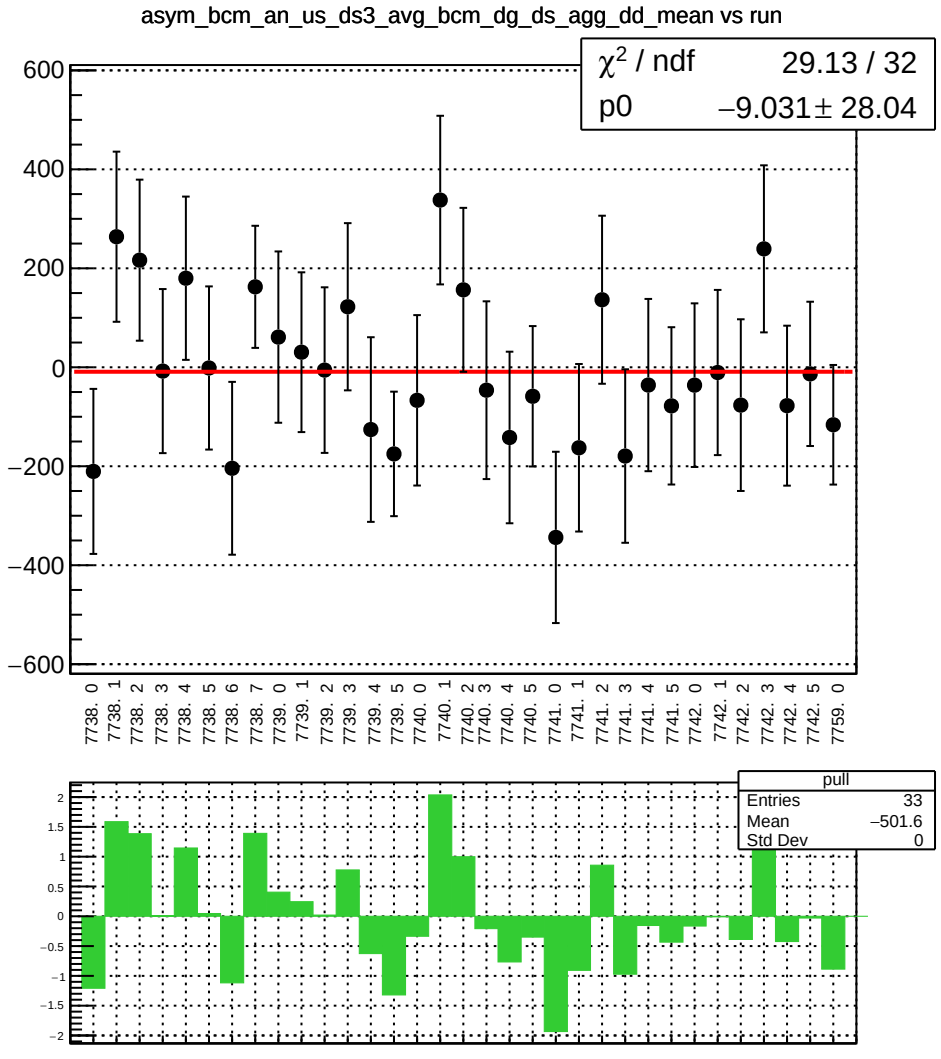

pull1D
Entries 33
Mean 0.005172
Std Dev 0.9489
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

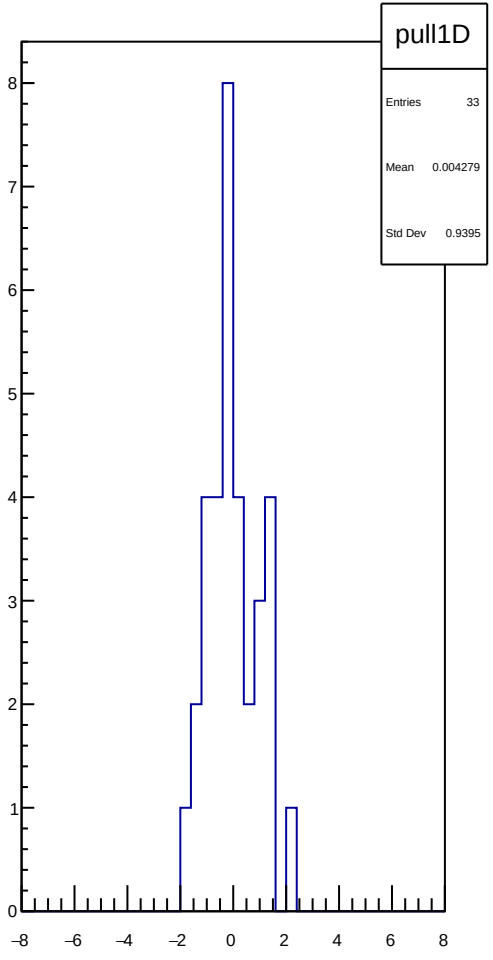

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 579.1 / 32
p0 16.32 ± 0.02005
17.5
17
16.5
16
15.5
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

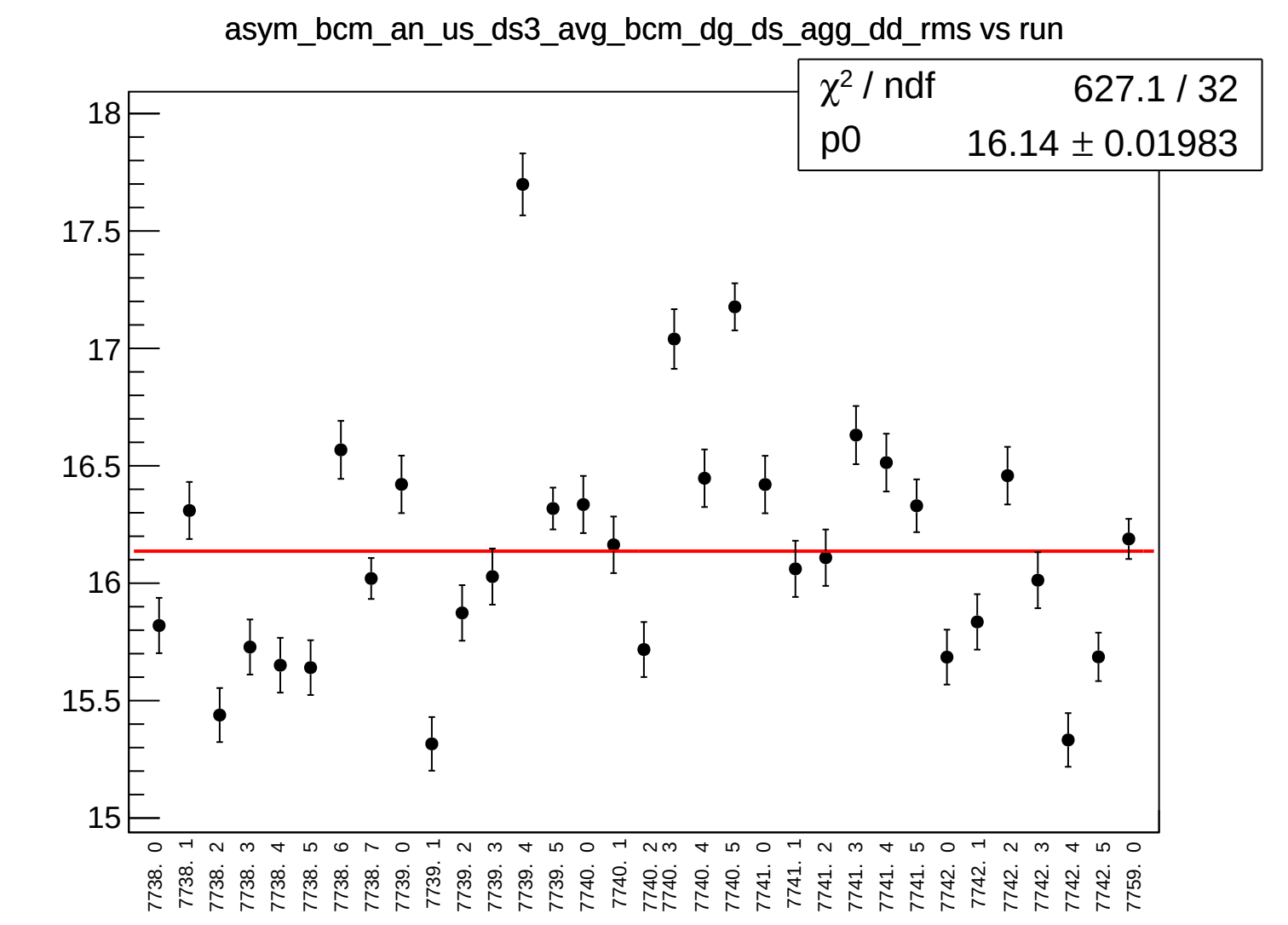

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 24 / 32
p0 3.314 ± 38.67
800
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.301
Std Dev 19.29
2
1
0
−1
−2

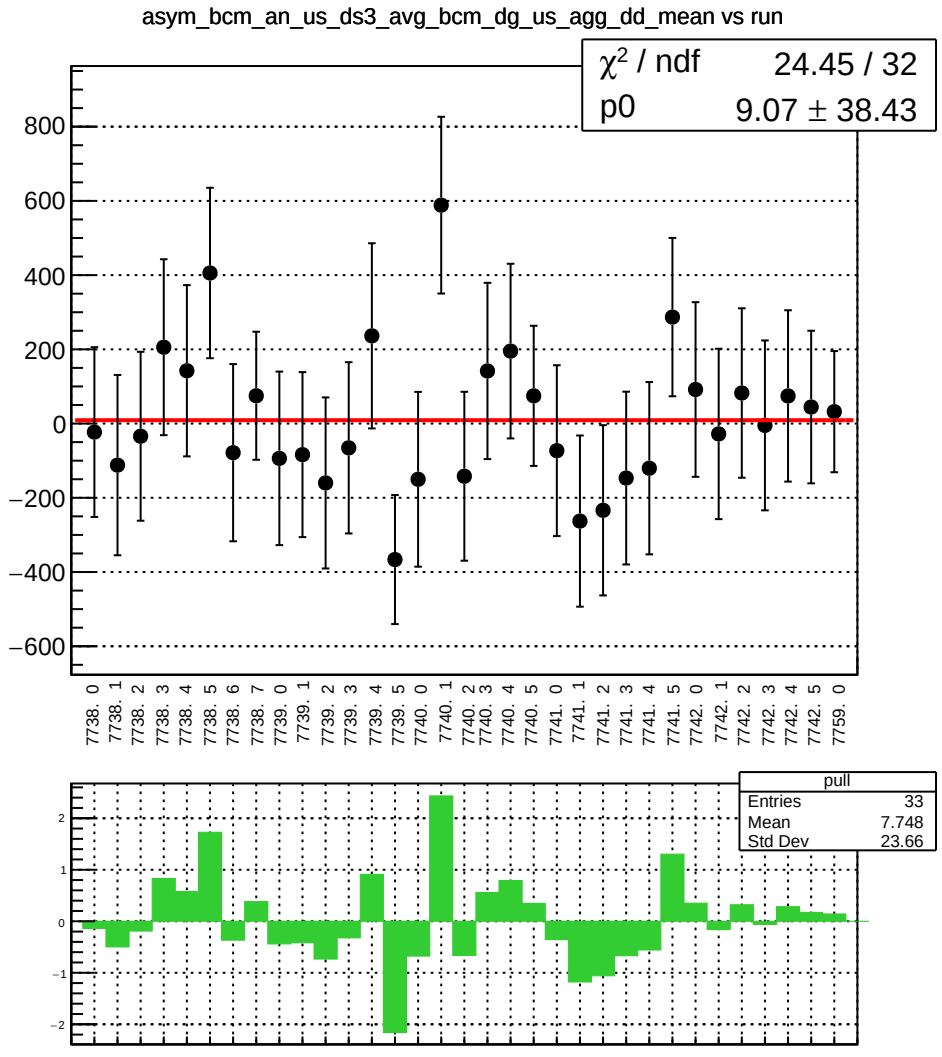

pull1D
Entries 33
Mean 0.01477
Std Dev 0.8526
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

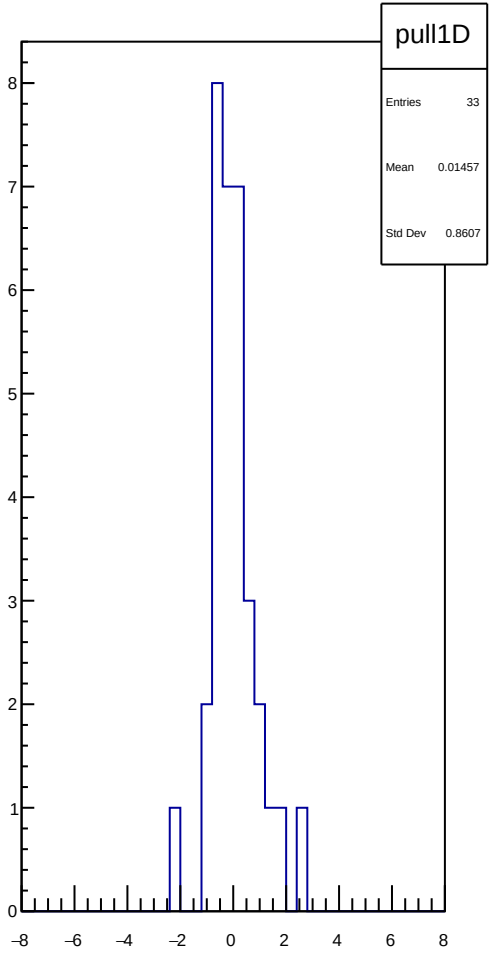

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 260.4 / 32
p0 22.26 ± 0.02735
24
23.5
23
22.5
22
21.5
21
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

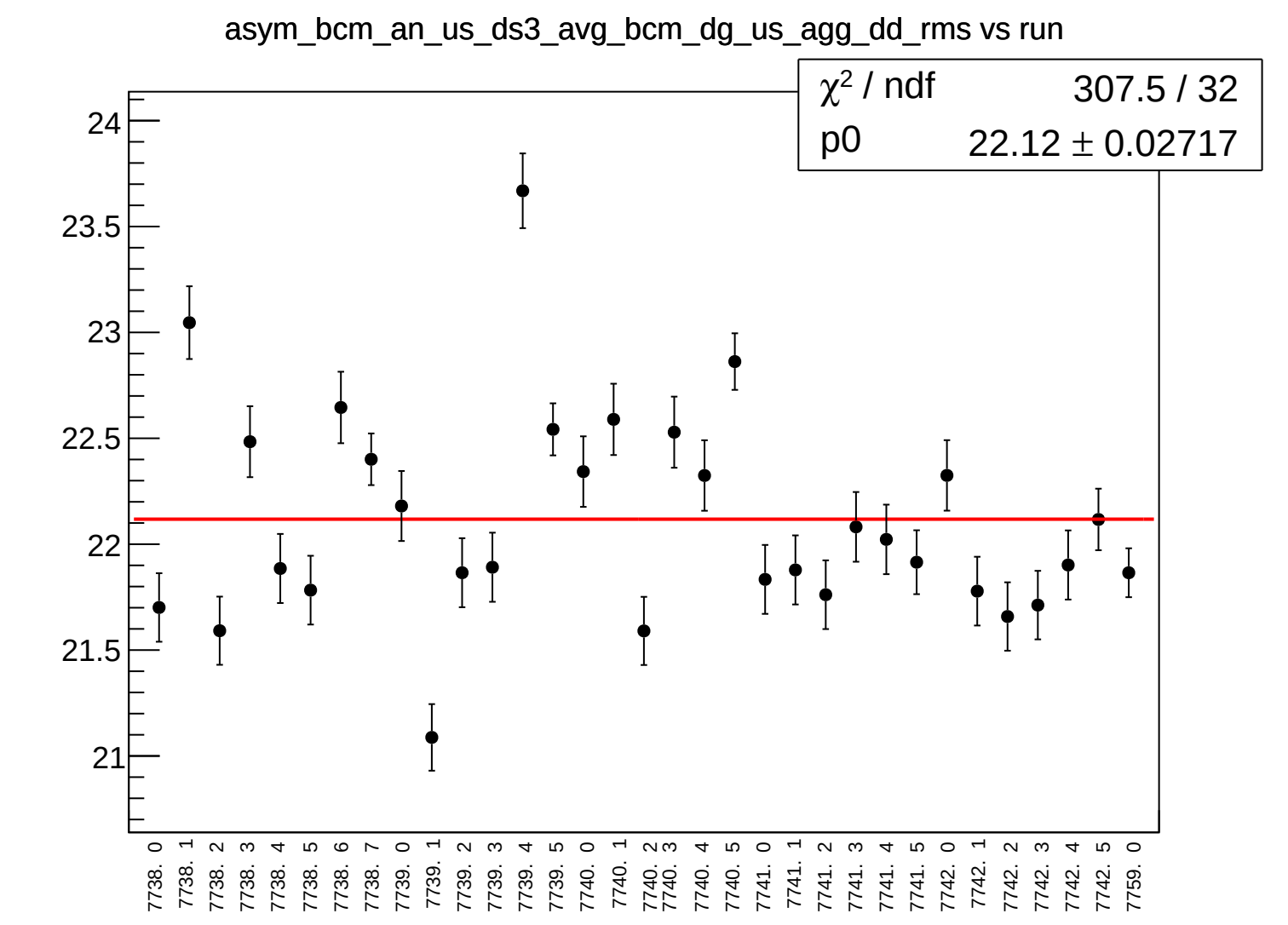

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 29.13 / 32
p0 −9.031 ± 28.04
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −501.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

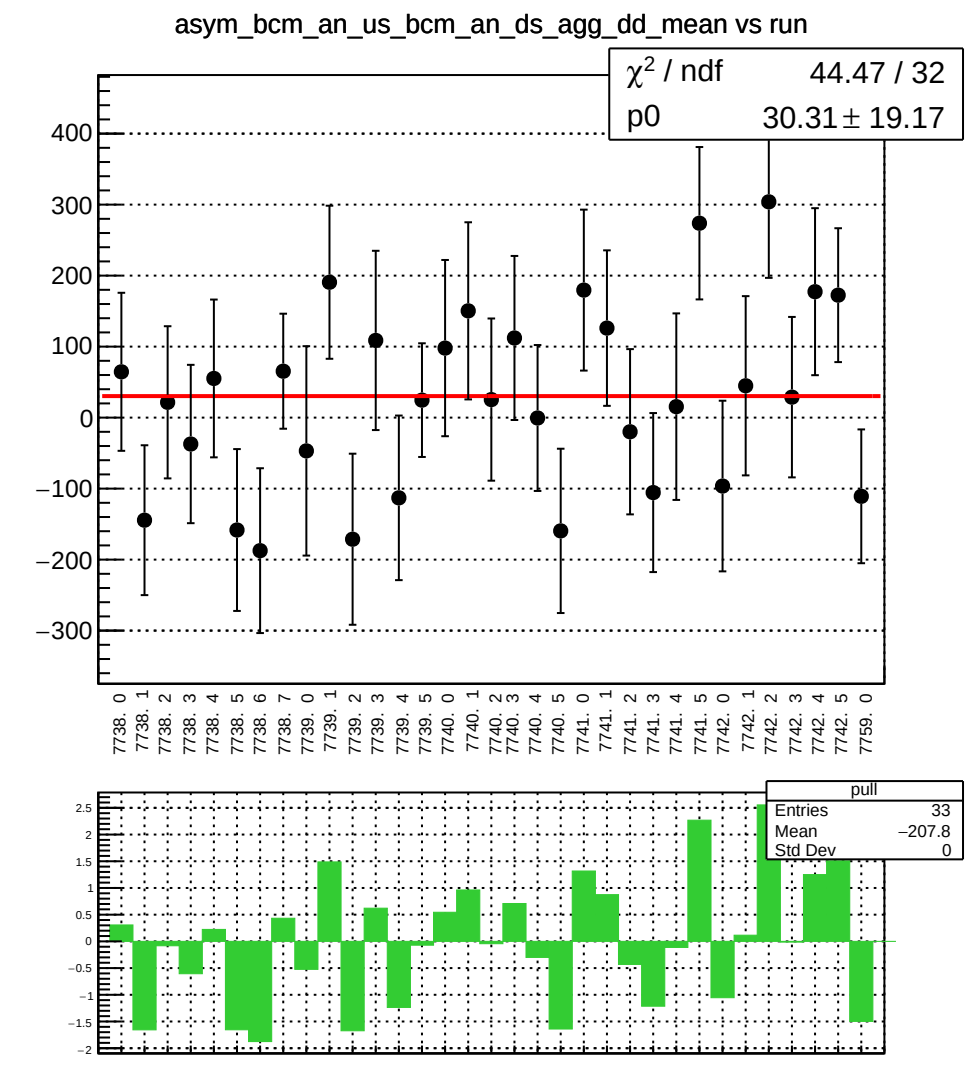

pull1D
Entries 33
Mean 0.004279
Std Dev 0.9395
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

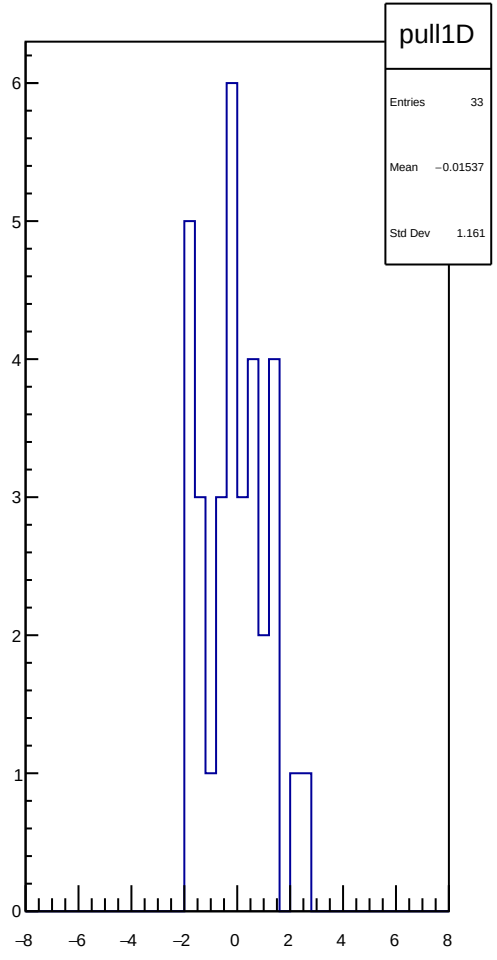

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 627.1 / 32
p0 16.14 ± 0.01983
18
17.5
17
16.5
16
15.5
15
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

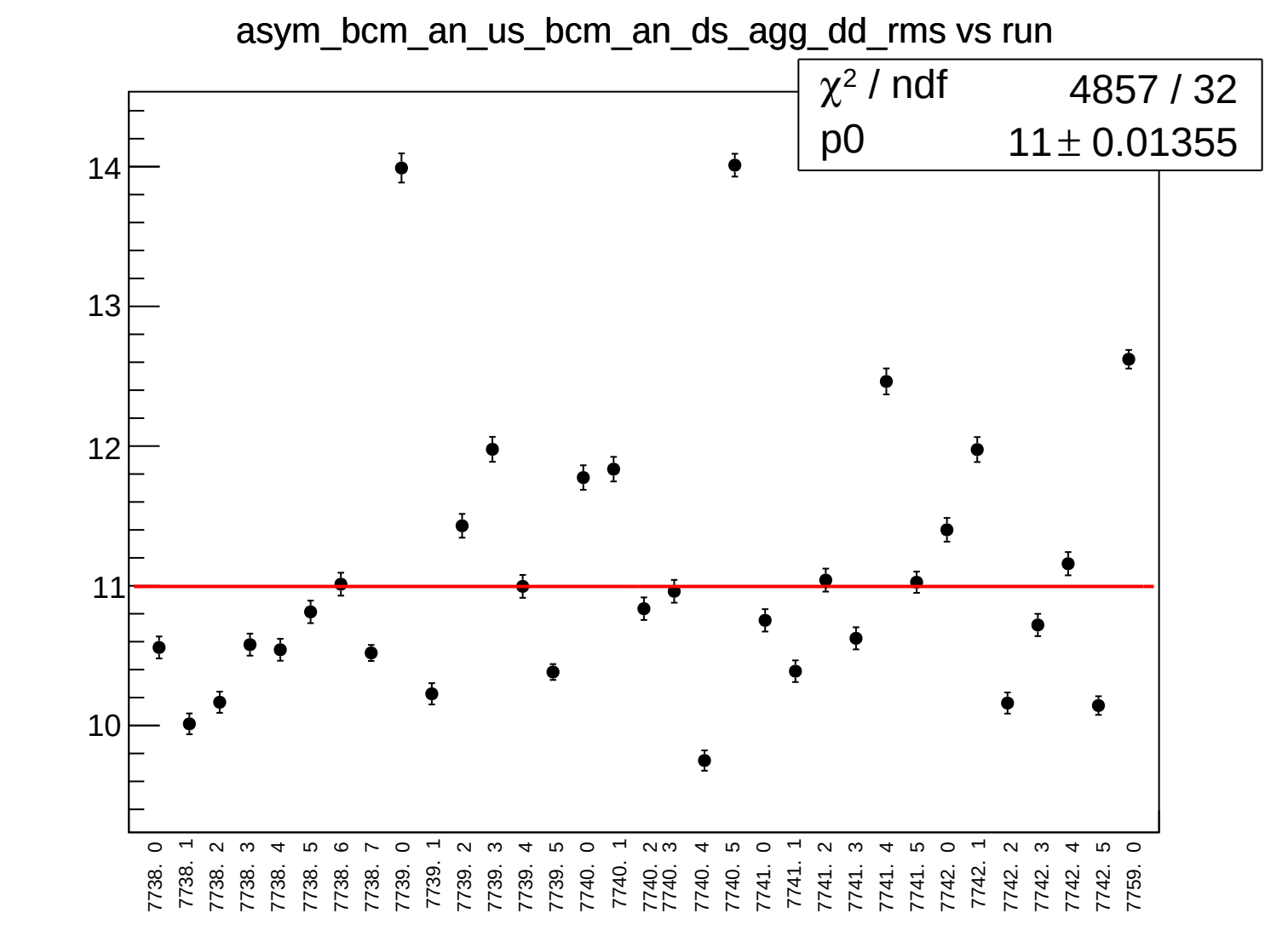

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 24.45 / 32
p0 9.07 ± 38.43
800
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.748
Std Dev 23.66
2
1
0
−1
−2

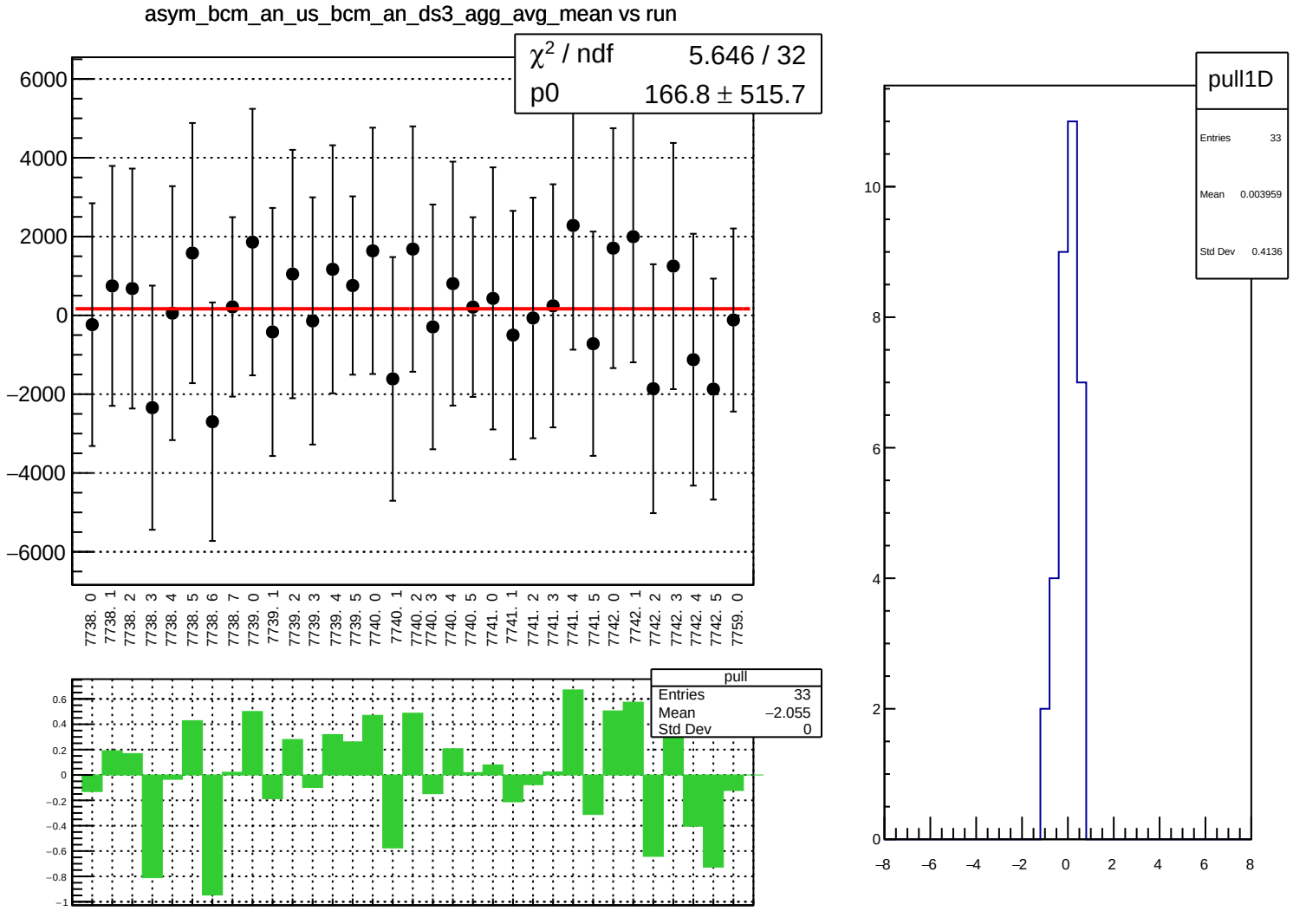

pull1D
Entries 33
Mean 0.01457
Std Dev 0.8607
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

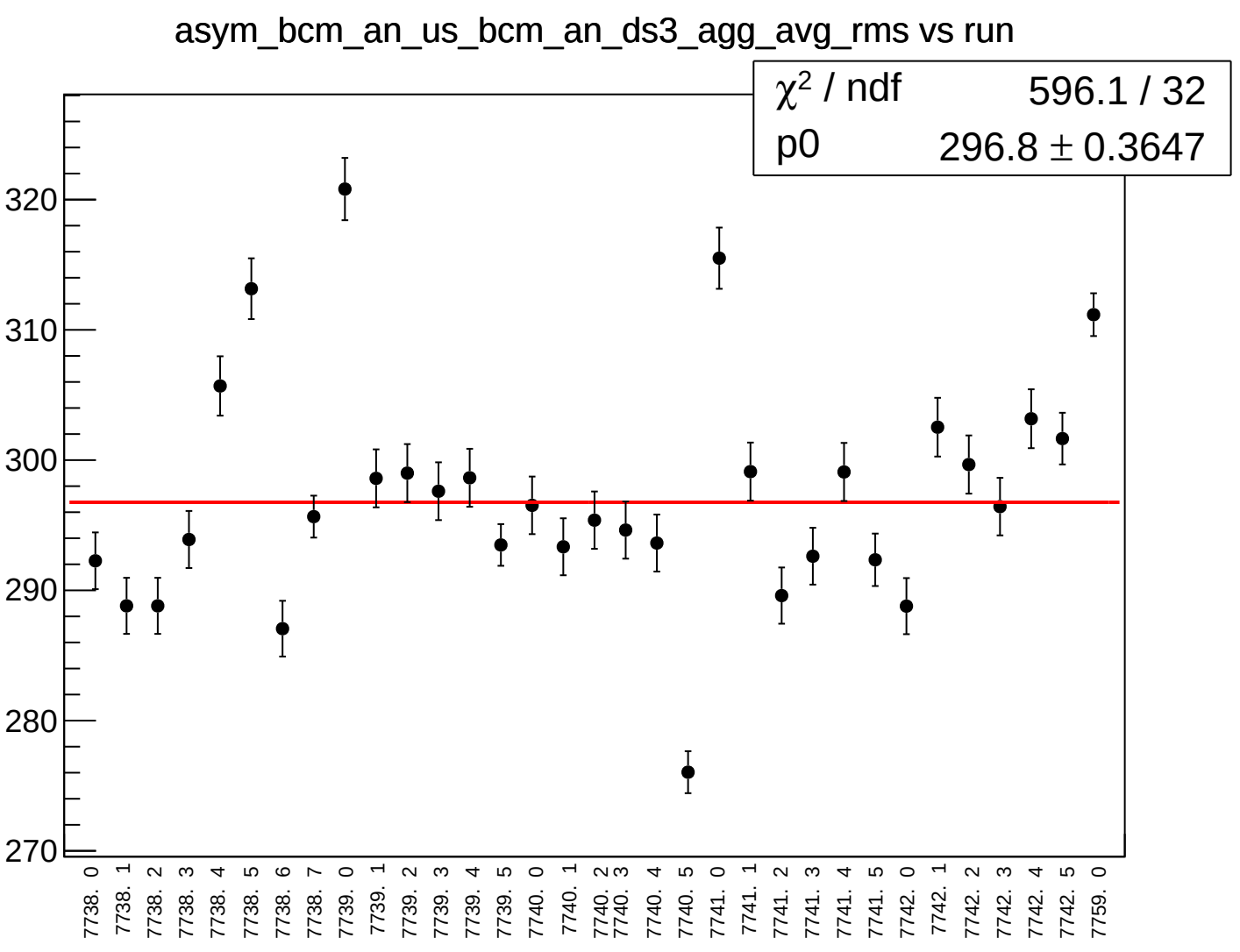

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 307.5 / 32
p0 22.12 ± 0.02717
24
23.5
23
22.5
22
21.5
21
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

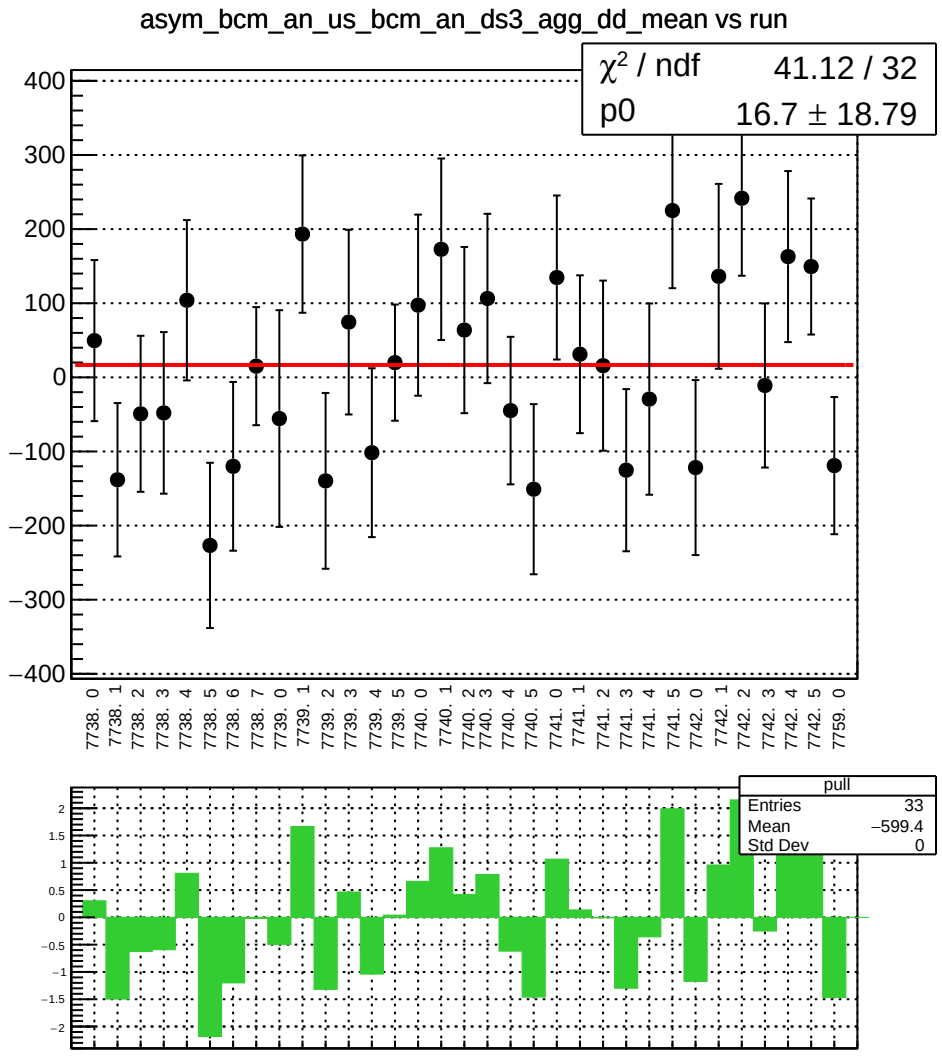

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 44.47 / 32
p0 30.31 ± 19.17
400
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −207.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

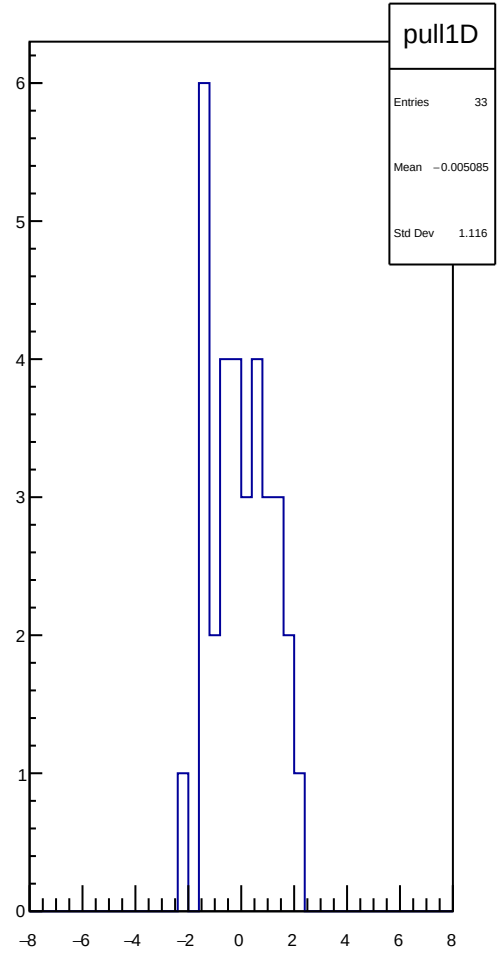

pull1D
Entries 33
Mean −0.01537
Std Dev 1.161
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

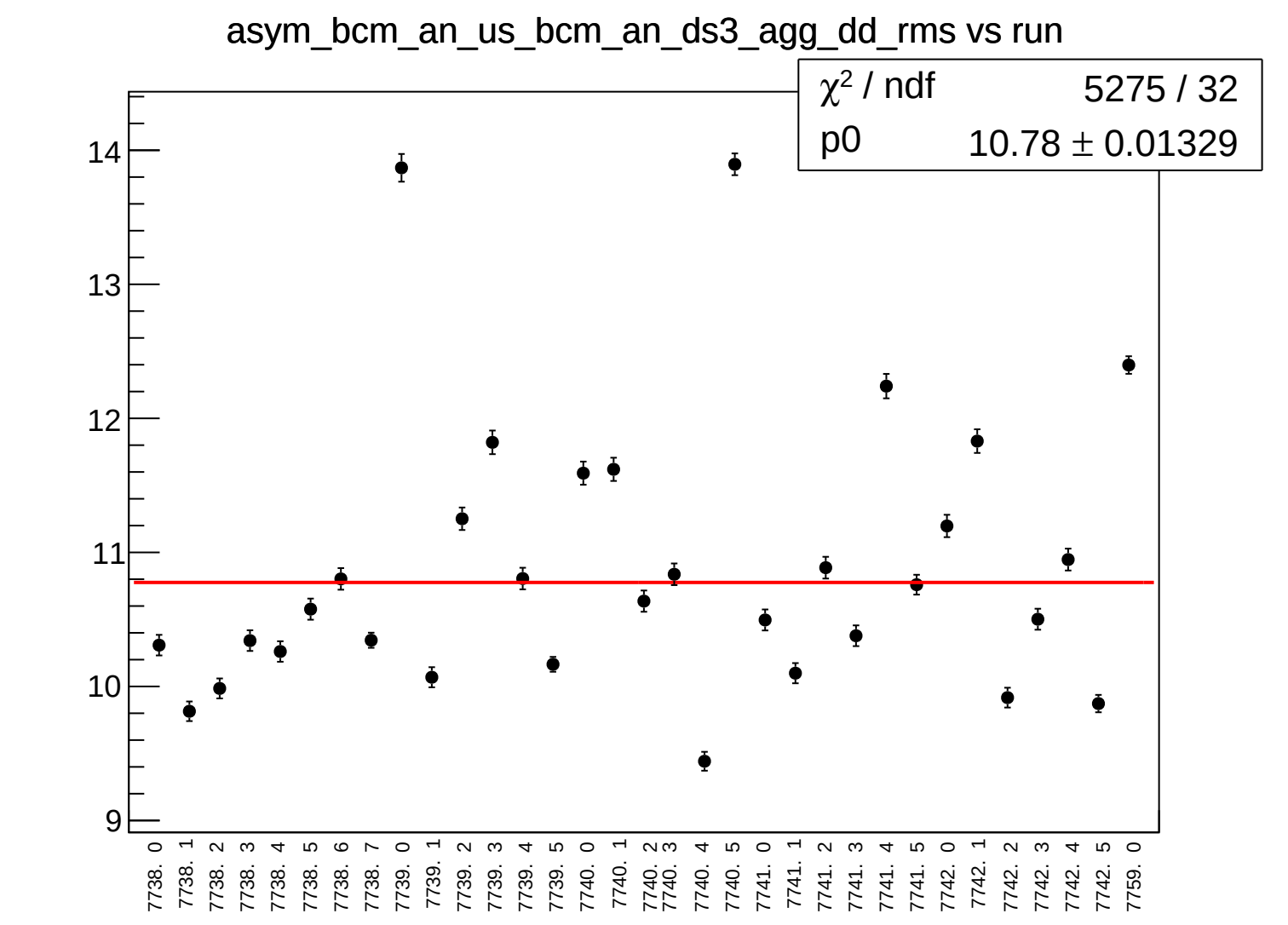

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 4857 / 32
p0 11 ± 0.01355
14
13
12
11
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

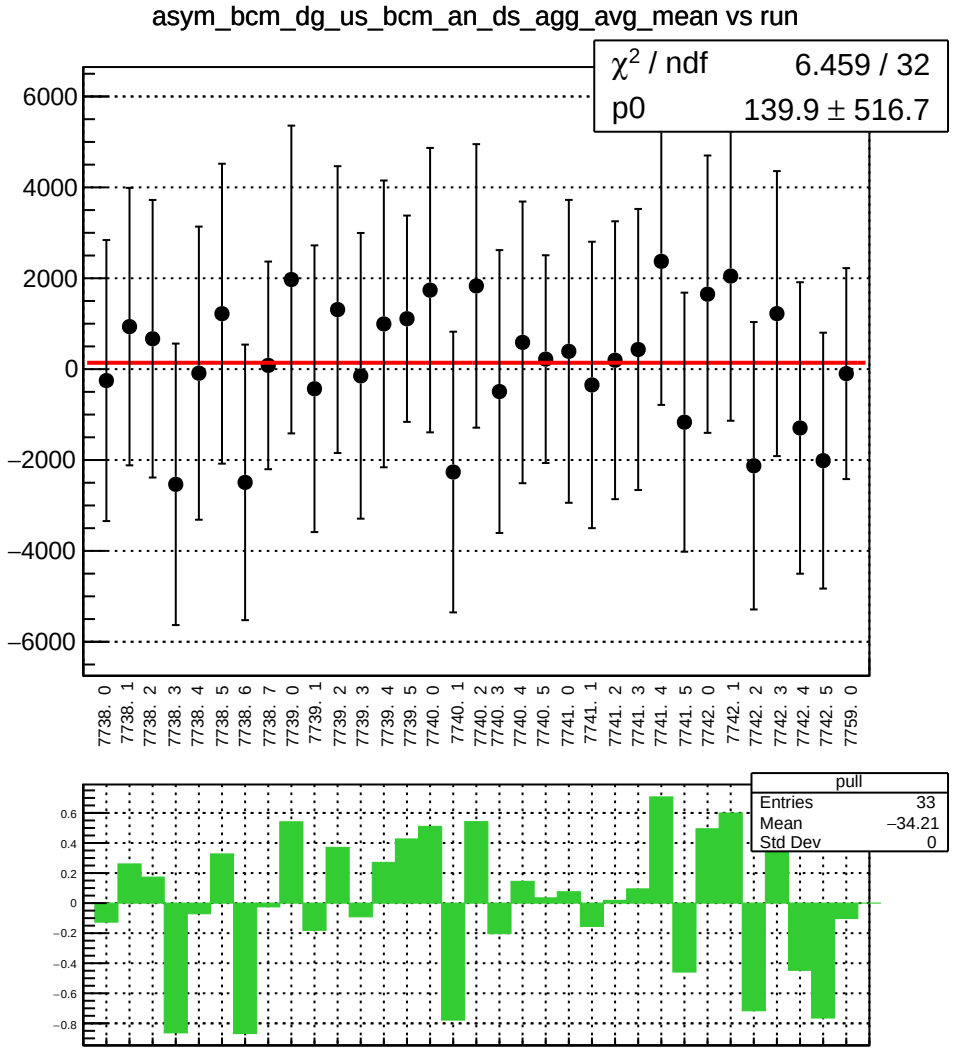

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 5.646 / 32
p0 166.8 ± 515.7
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.055
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 33
Mean 0.003959
Std Dev 0.4136
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

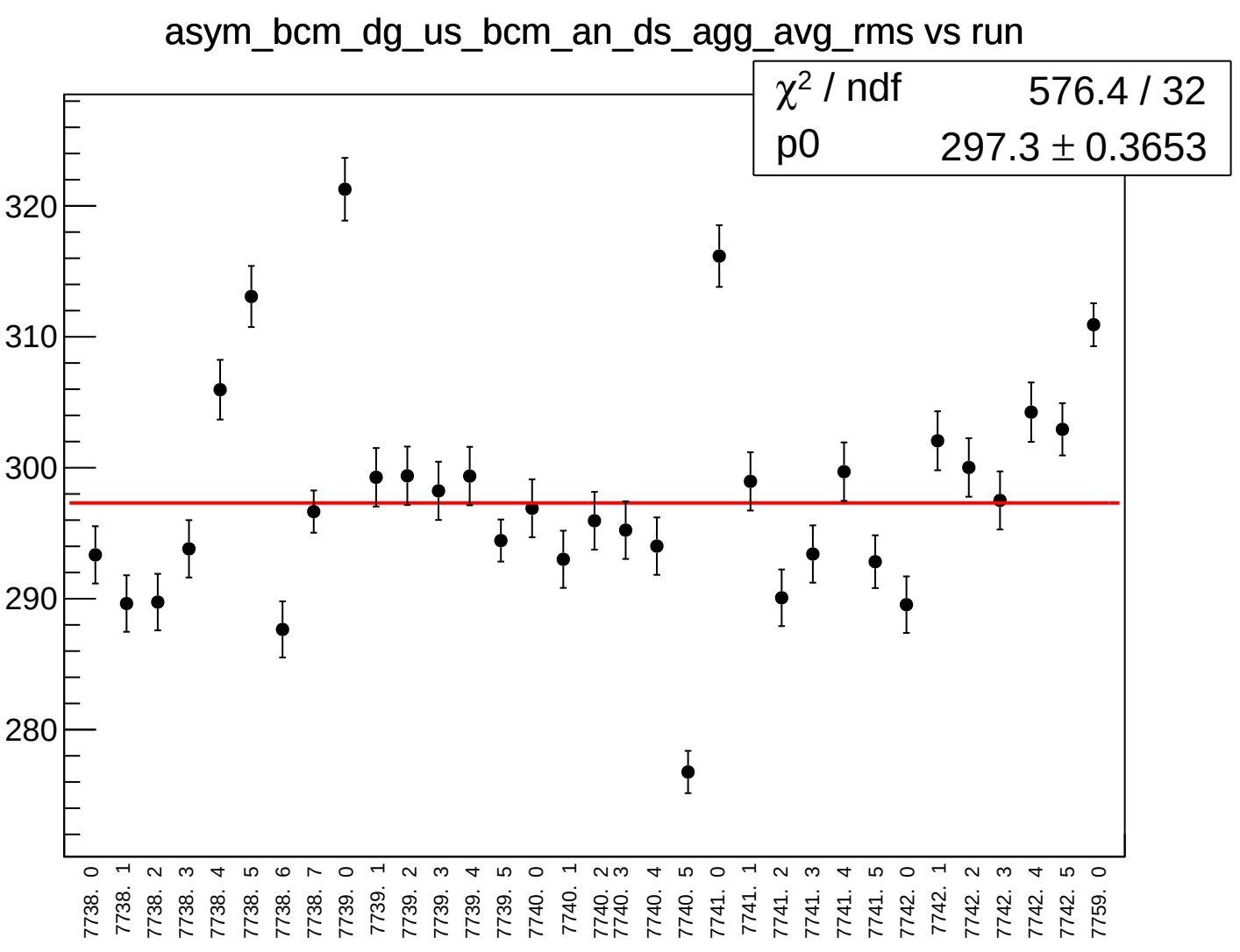

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 596.1 / 32
p0 296.8 ± 0.3647
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

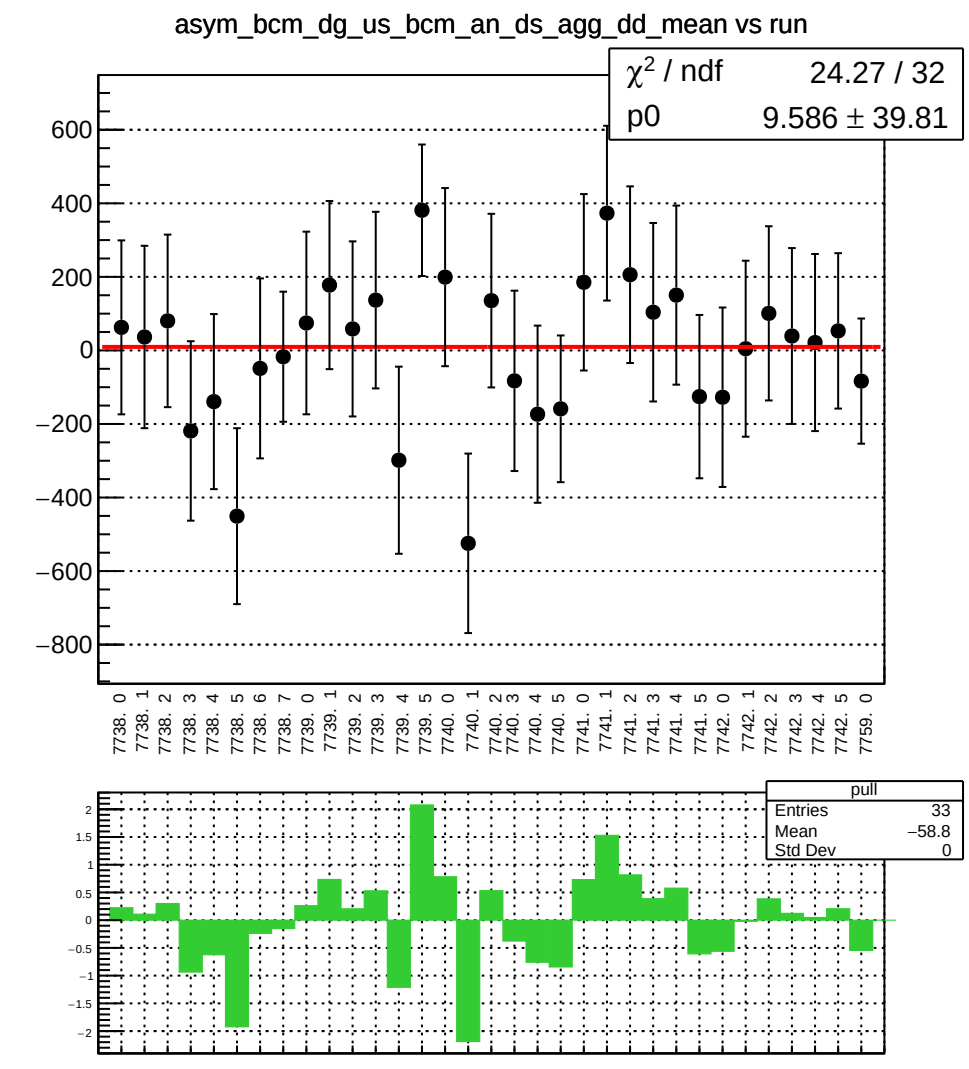

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 41.12 / 32
p0 16.7 ± 18.79
pull
Entries 33
Mean −599.4
Std Dev 0

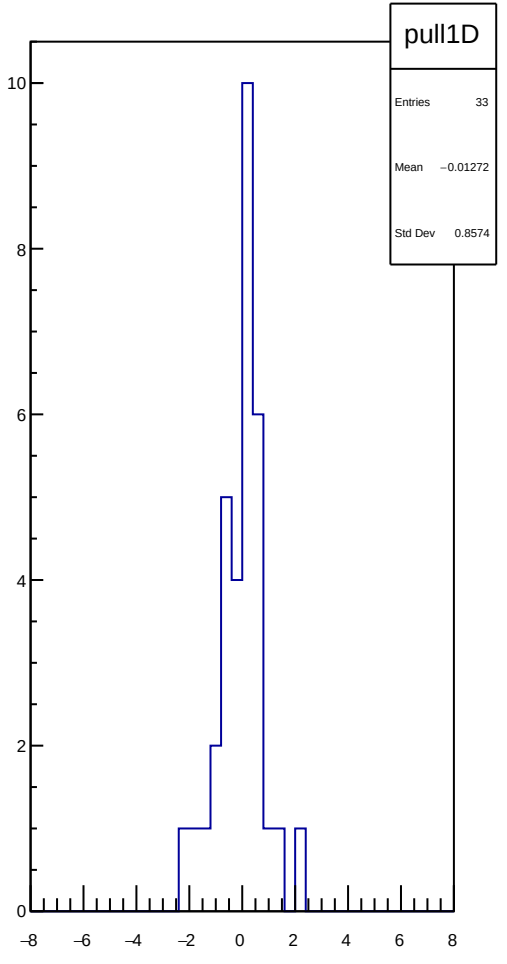

pull1D
Entries 33
Mean −0.005085
Std Dev 1.116

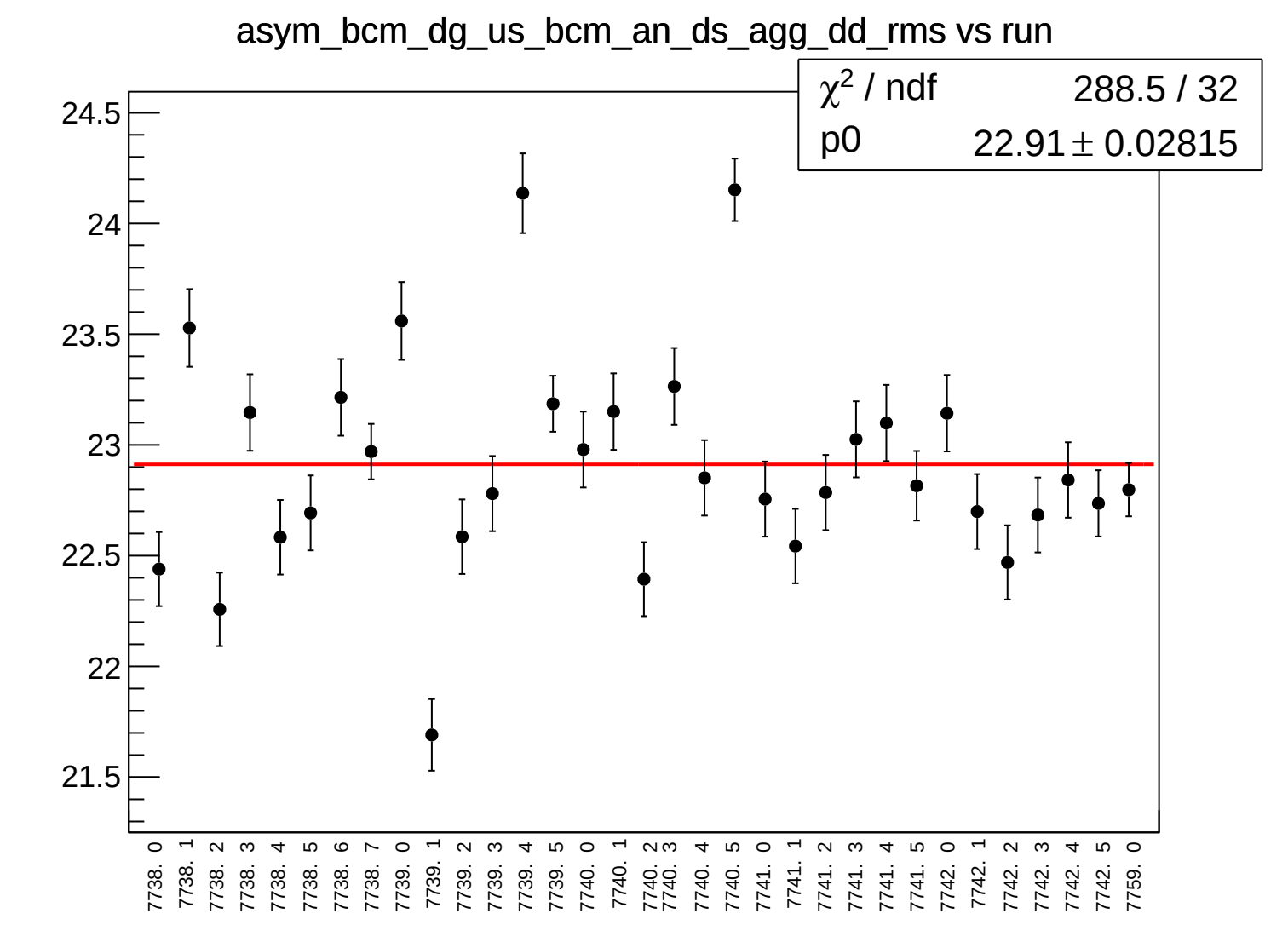

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 5275 / 32
p0 10.78 ± 0.01329
14
13
12
11
10
9
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

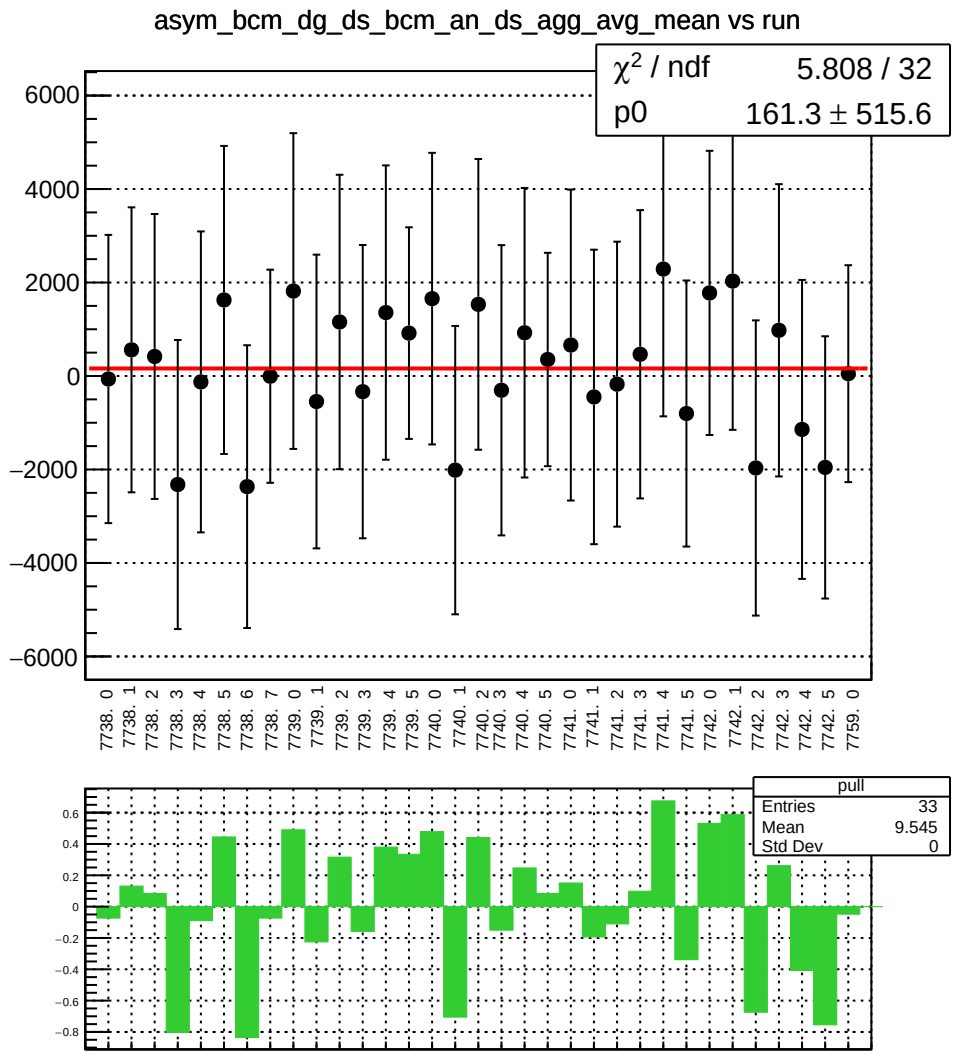

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 6.459 / 32
p0 139.9 ± 516.7
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −34.21
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.002567
Std Dev 0.4424
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

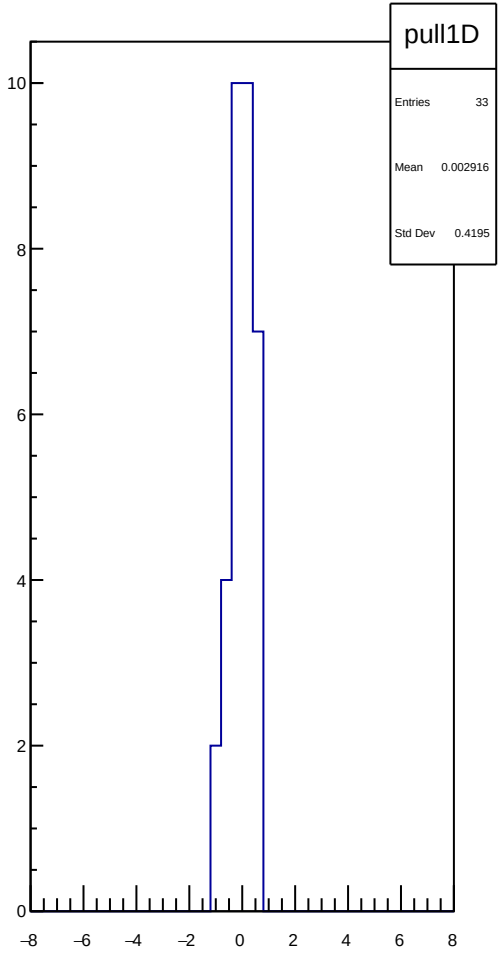

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 576.4 / 32
p0 297.3 ± 0.3653
320
310
300
290
280
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

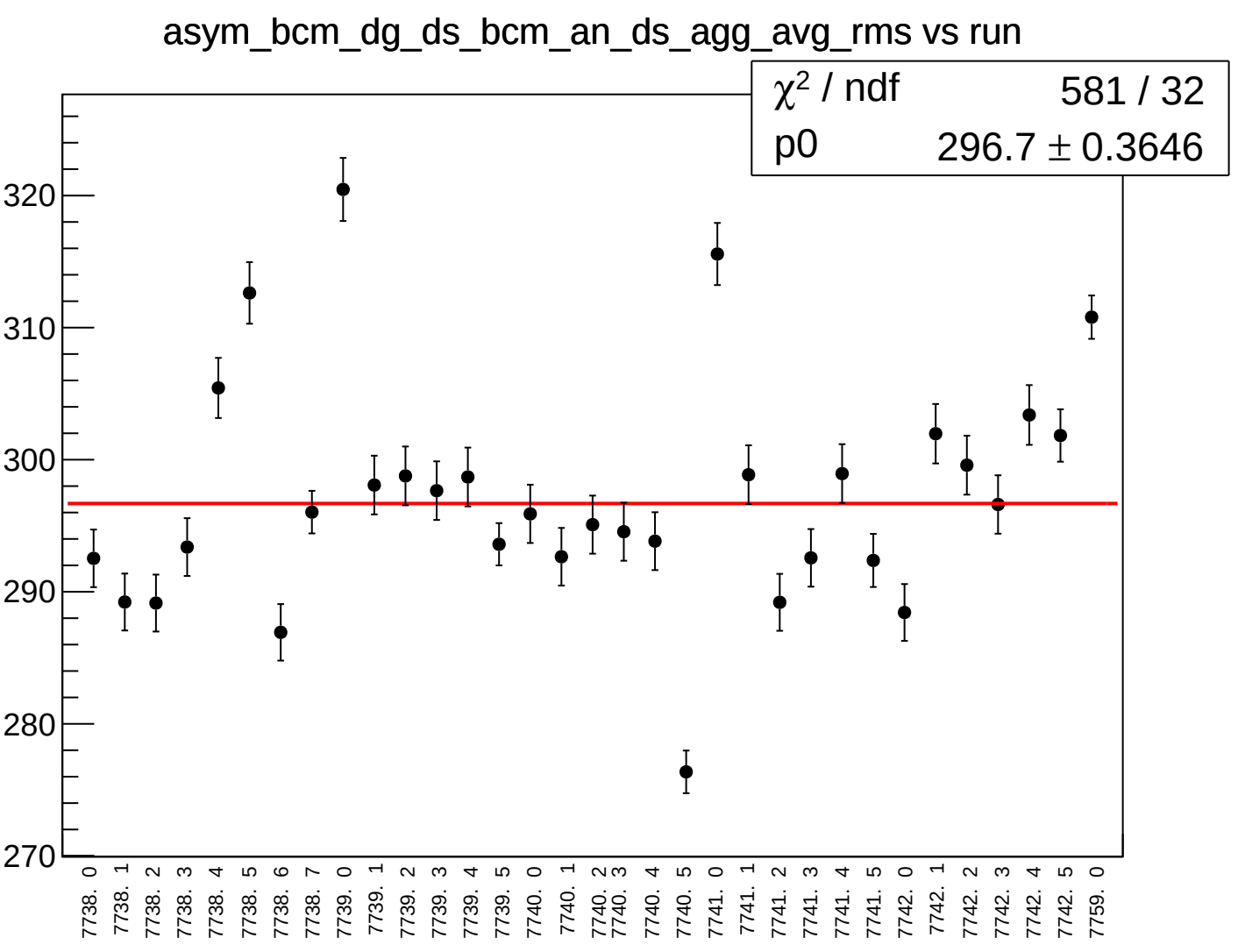

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 24.27 / 32
p0 9.586 ± 39.81
600
400
200
0
−200
−400
−600
−800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −58.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

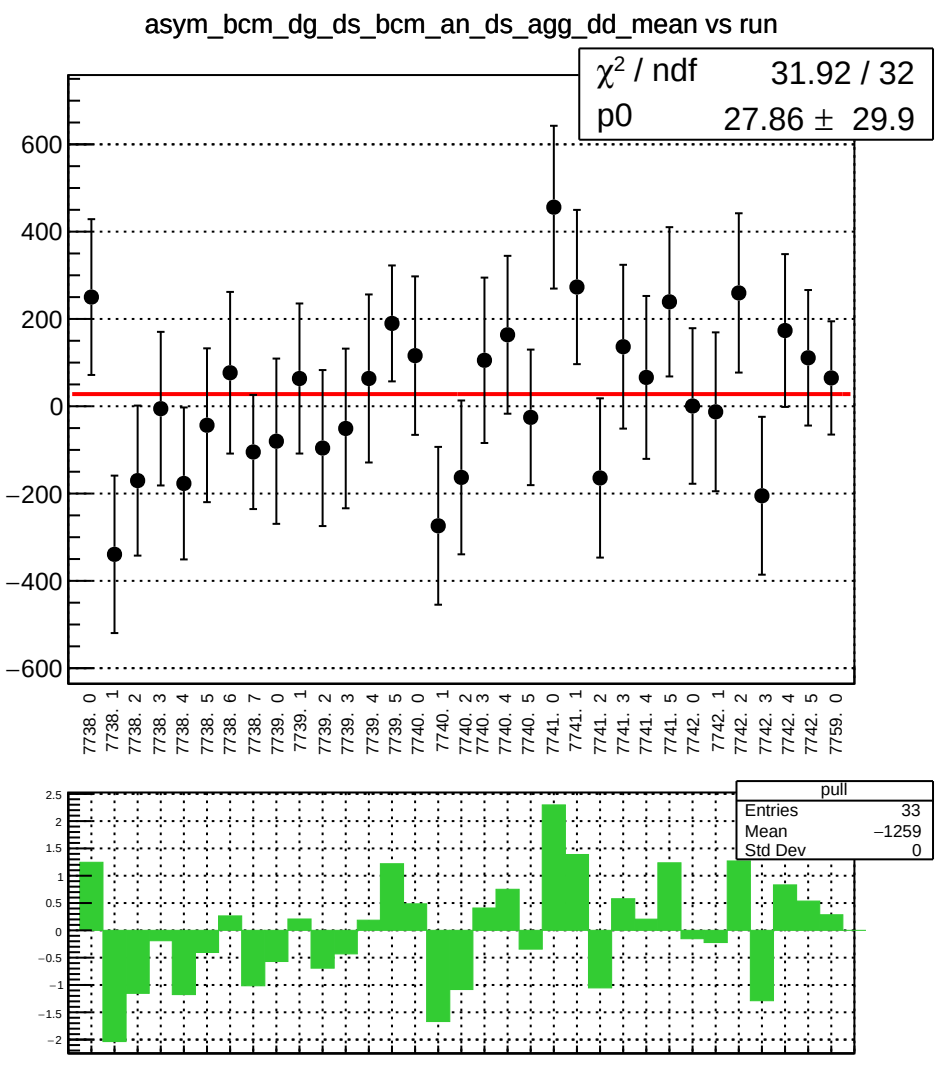

pull1D
Entries 33
Mean −0.01272
Std Dev 0.8574
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

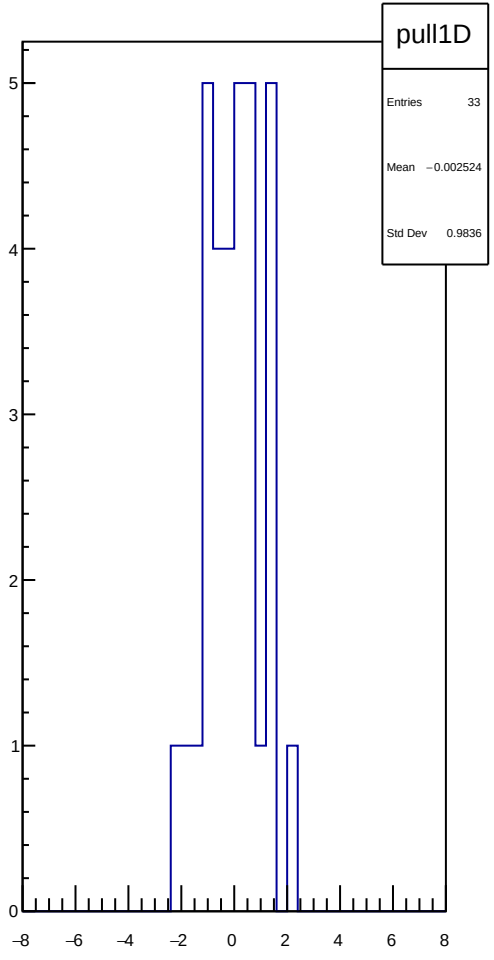

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 288.5 / 32
p0 22.91 ± 0.02815
24.5
24
23.5
23
22.5
22
21.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

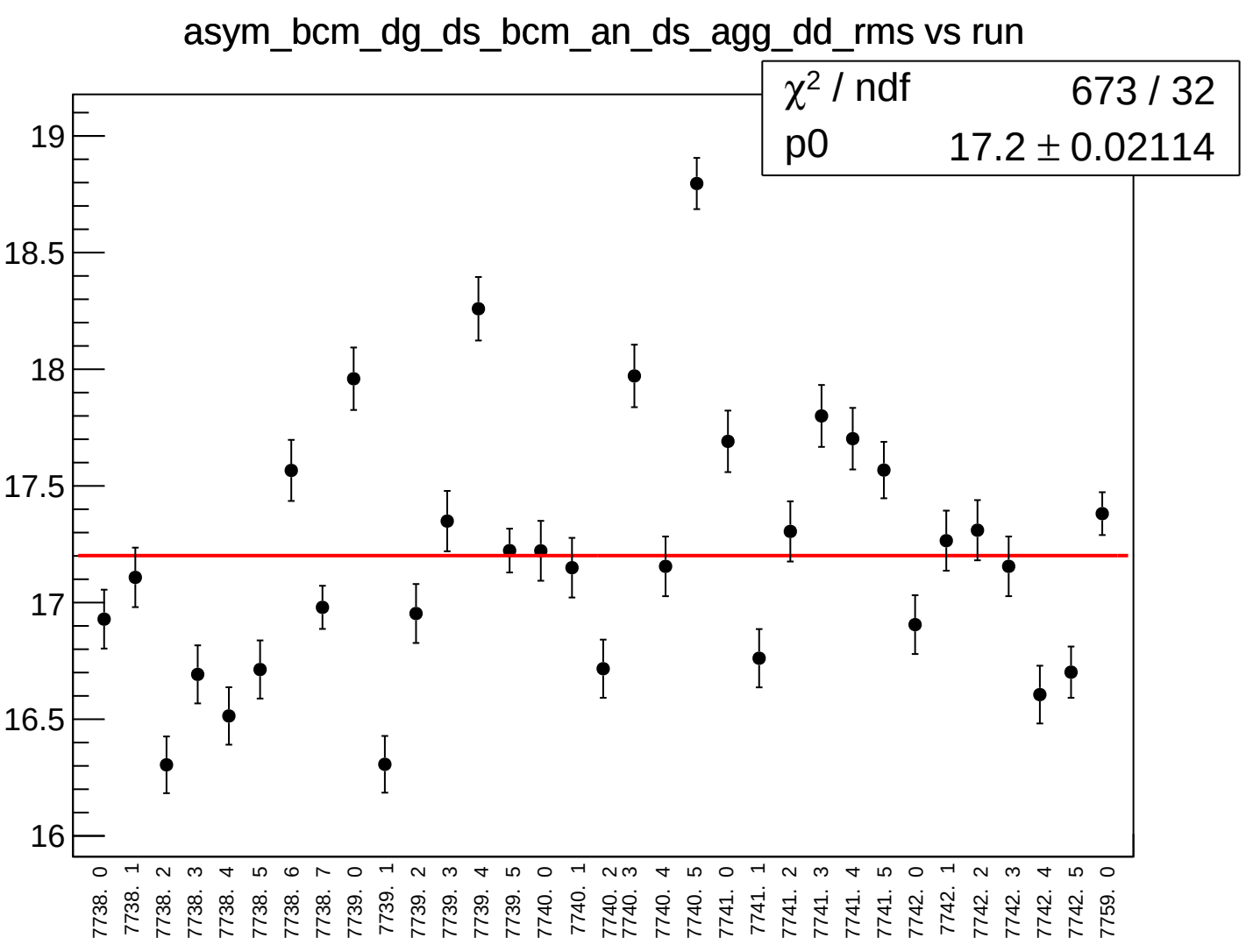

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 5.808 / 32
p0 161.3 ± 515.6
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.545
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

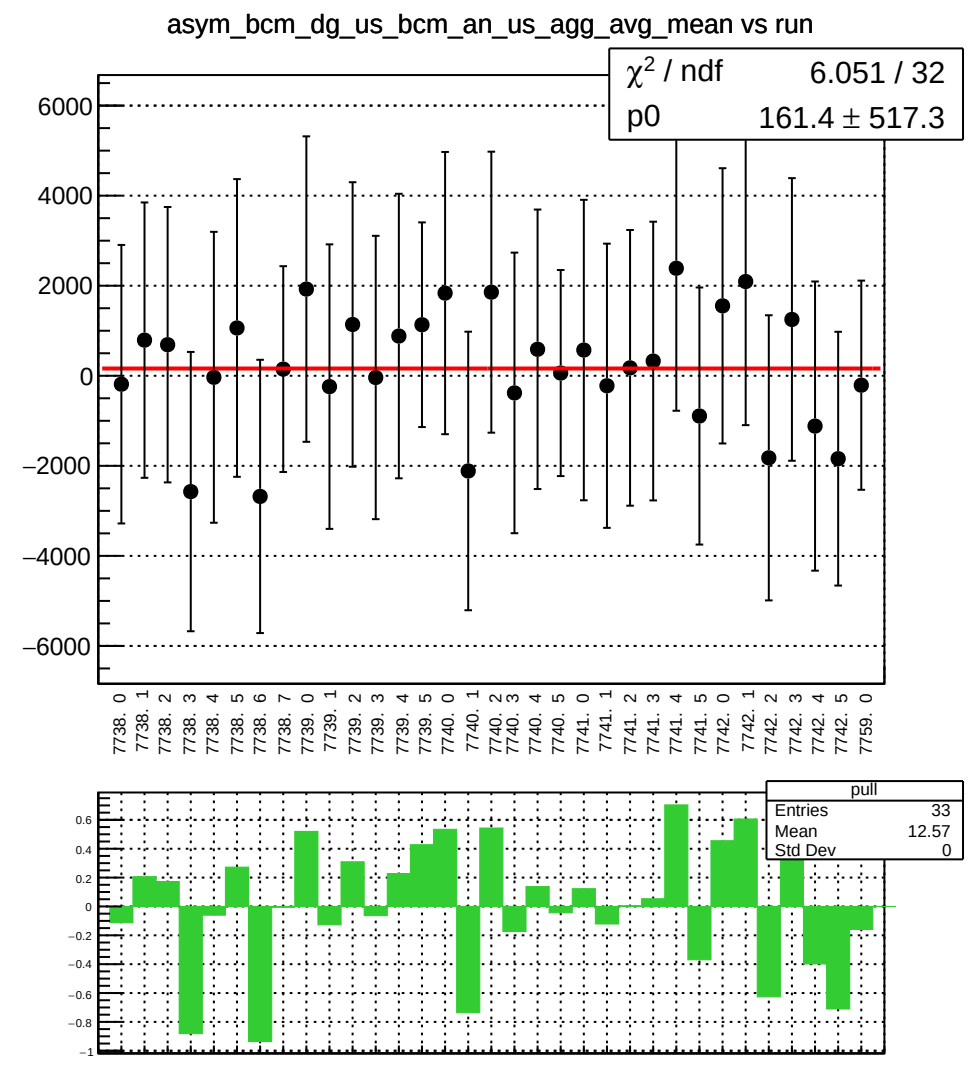

pull1D
Entries 33
Mean 0.002916
Std Dev 0.4195
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

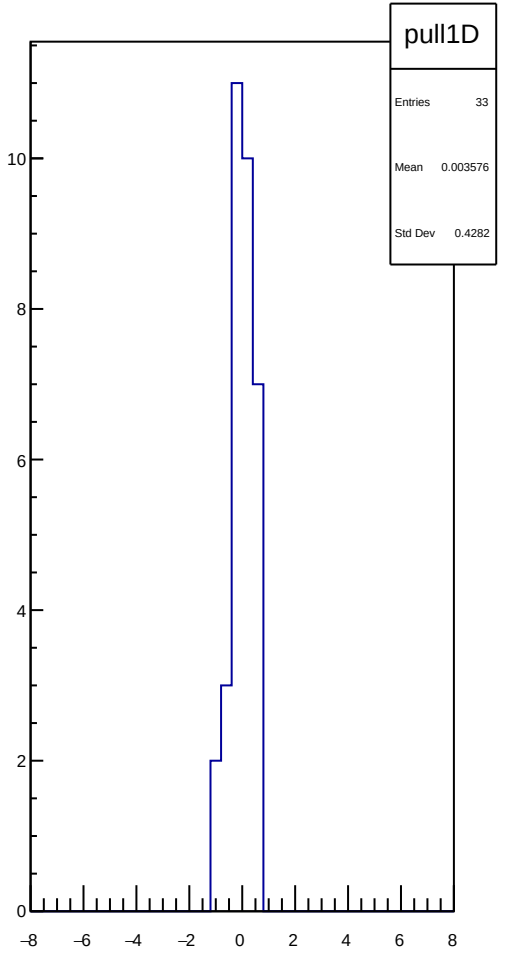

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 581 / 32
p0 296.7 ± 0.3646
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

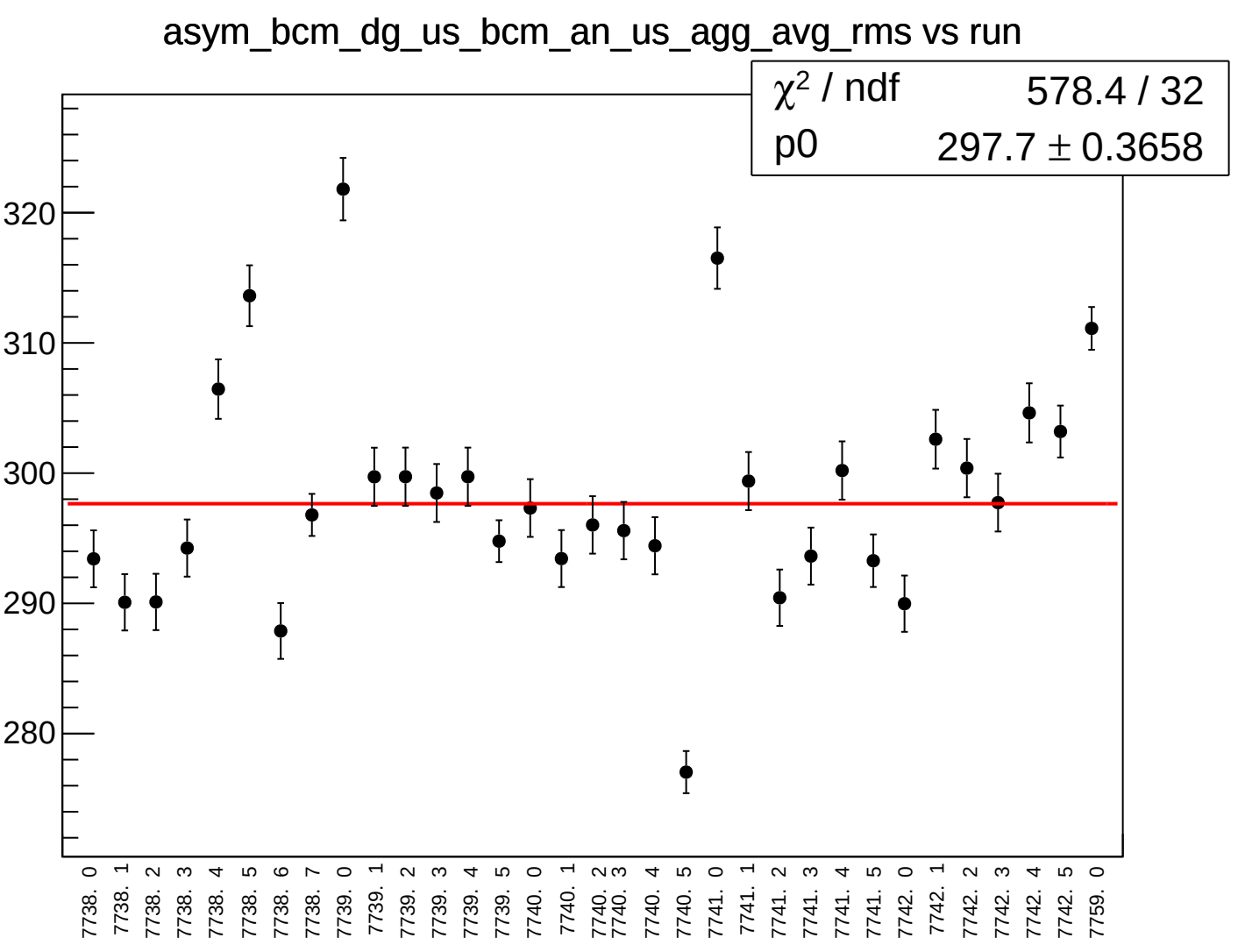

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 31.92 / 32
p0 27.86 ± 29.9
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1259
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

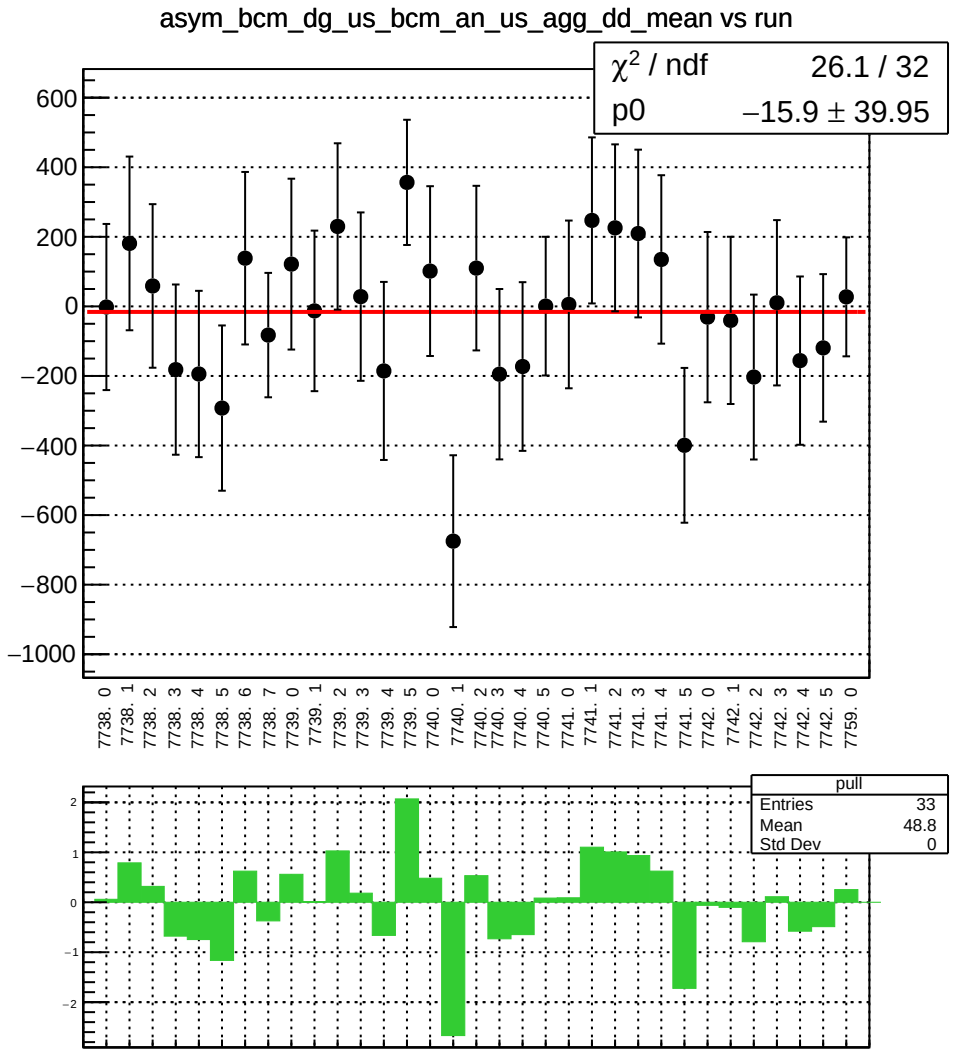

pull1D
Entries 33
Mean −0.002524
Std Dev 0.9836
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

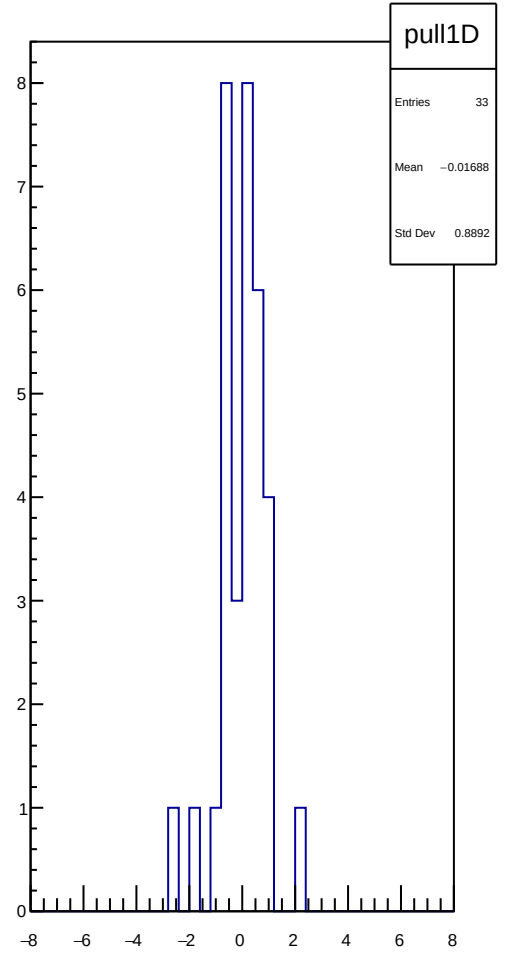

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 673 / 32
p0 17.2 ± 0.02114
19
18.5
18
17.5
17
16.5
16
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

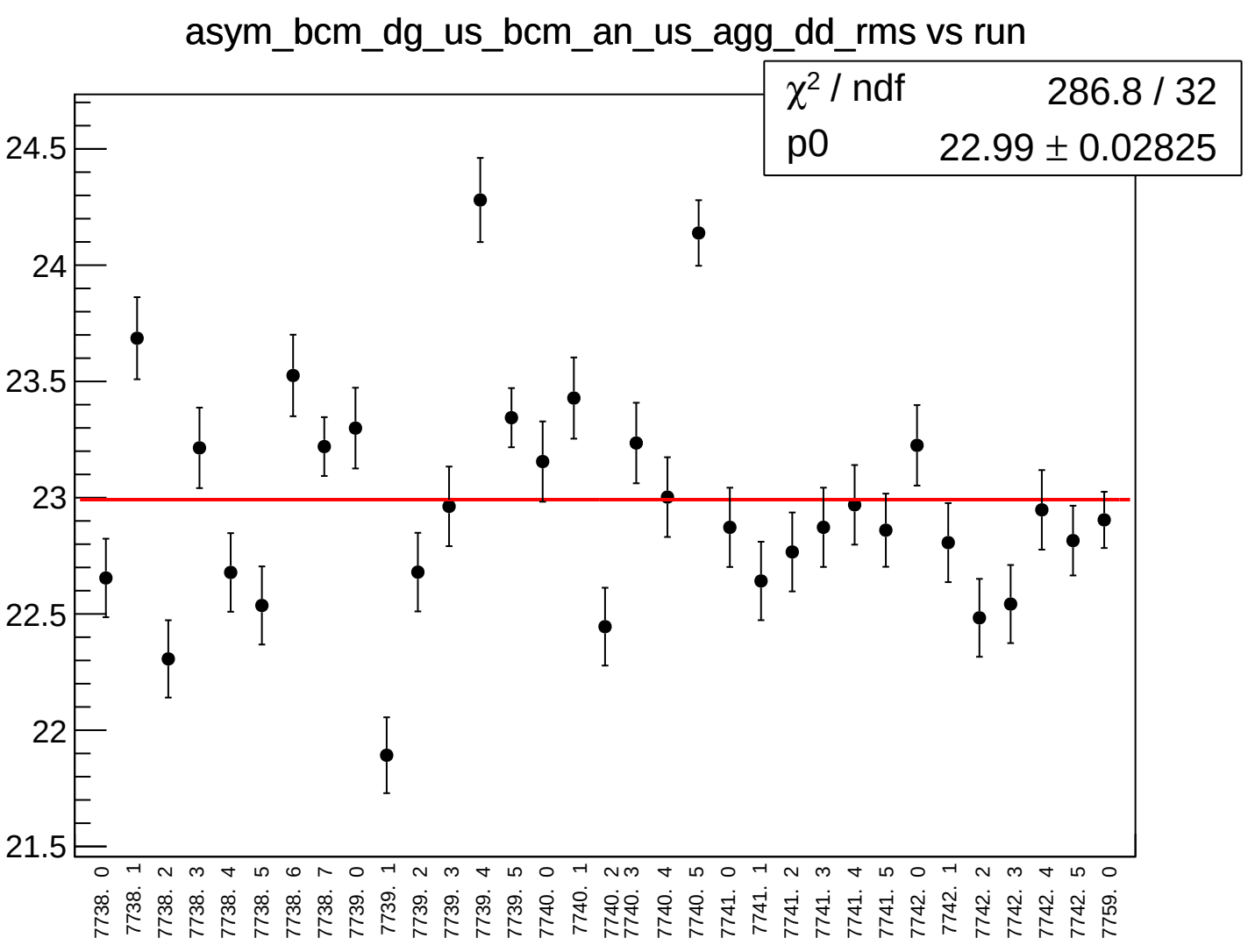

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 6.051 / 32
p0 161.4 ± 517.3
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.57
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

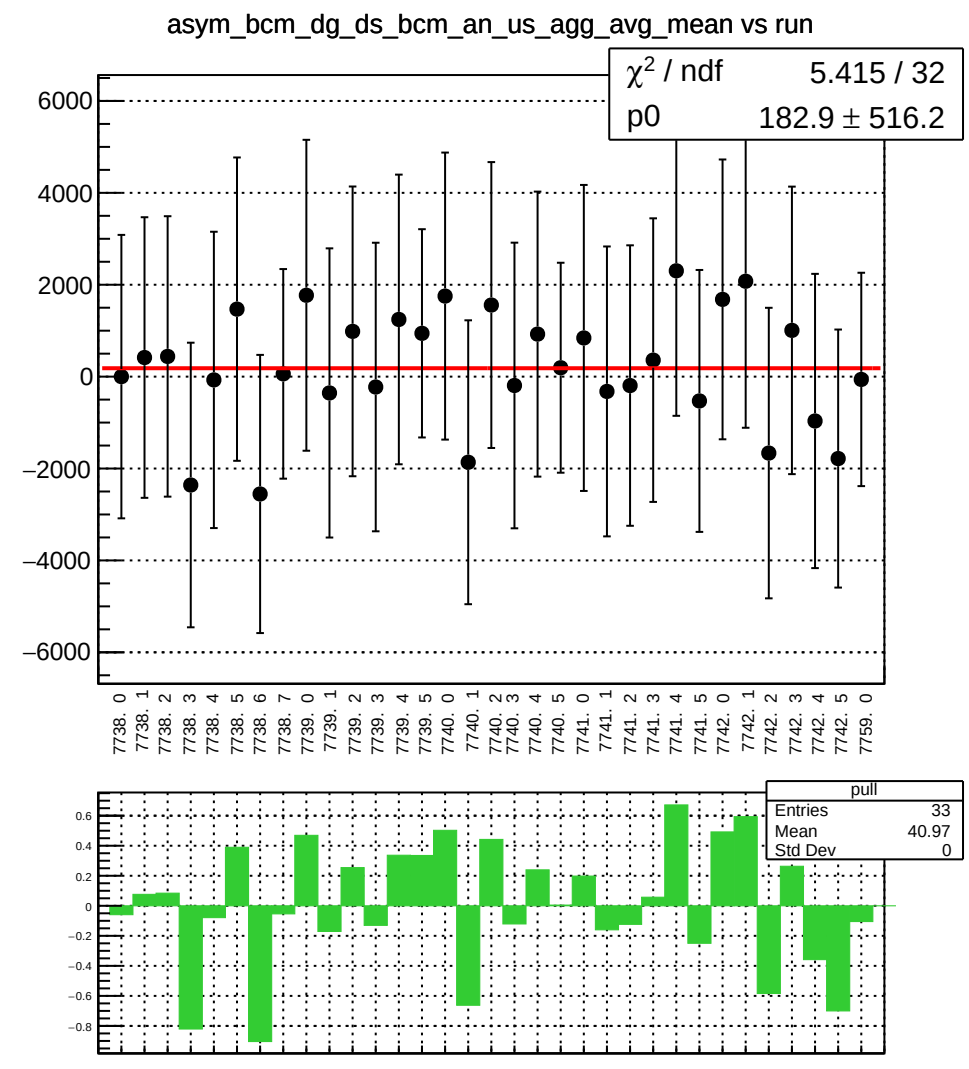

pull1D
Entries 33
Mean 0.003576
Std Dev 0.4282
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

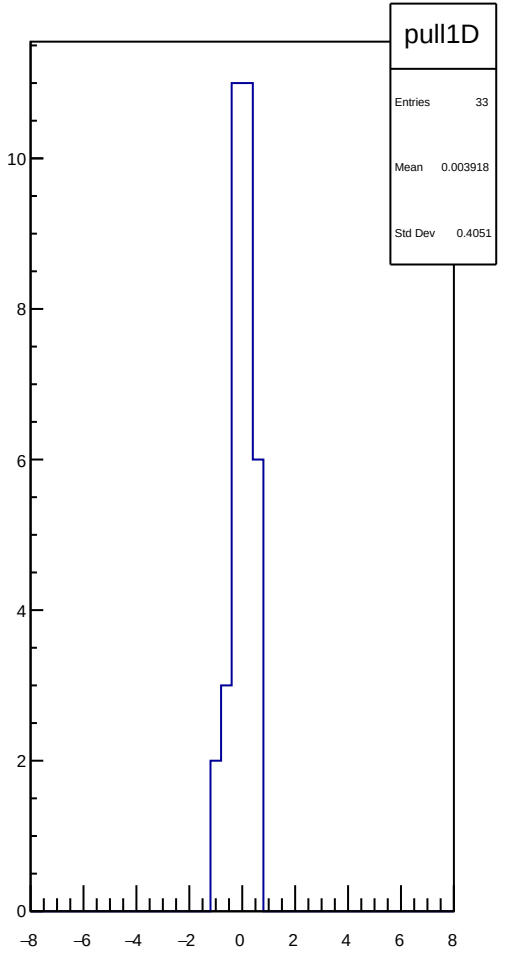

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 578.4 / 32
p0 297.7 ± 0.3658
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

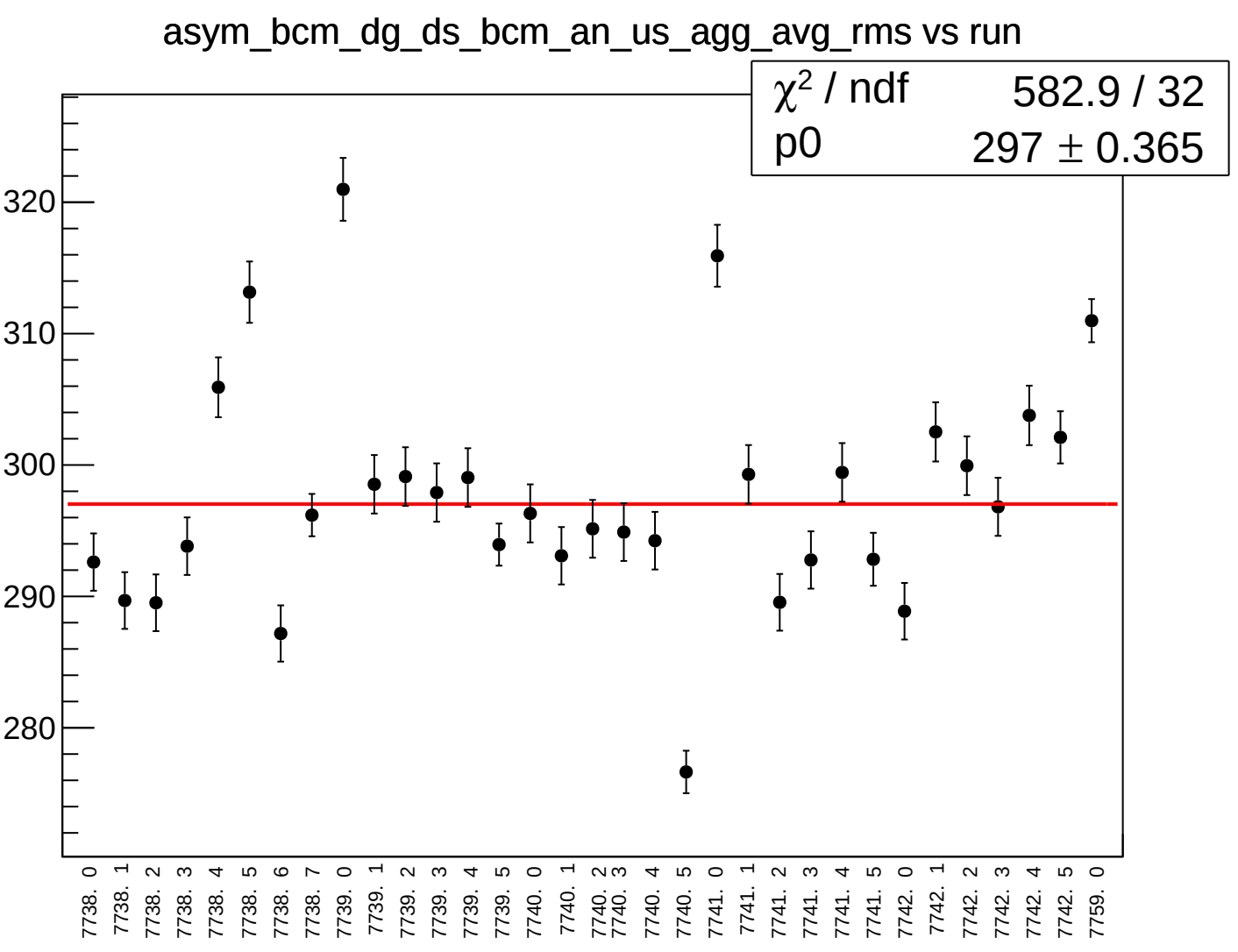

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 26.1 / 32
p0 −15.9 ± 39.95
600
400
200
0
−200
−400
−600
−800
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 48.8
Std Dev 0
2
1
0
−1
−2

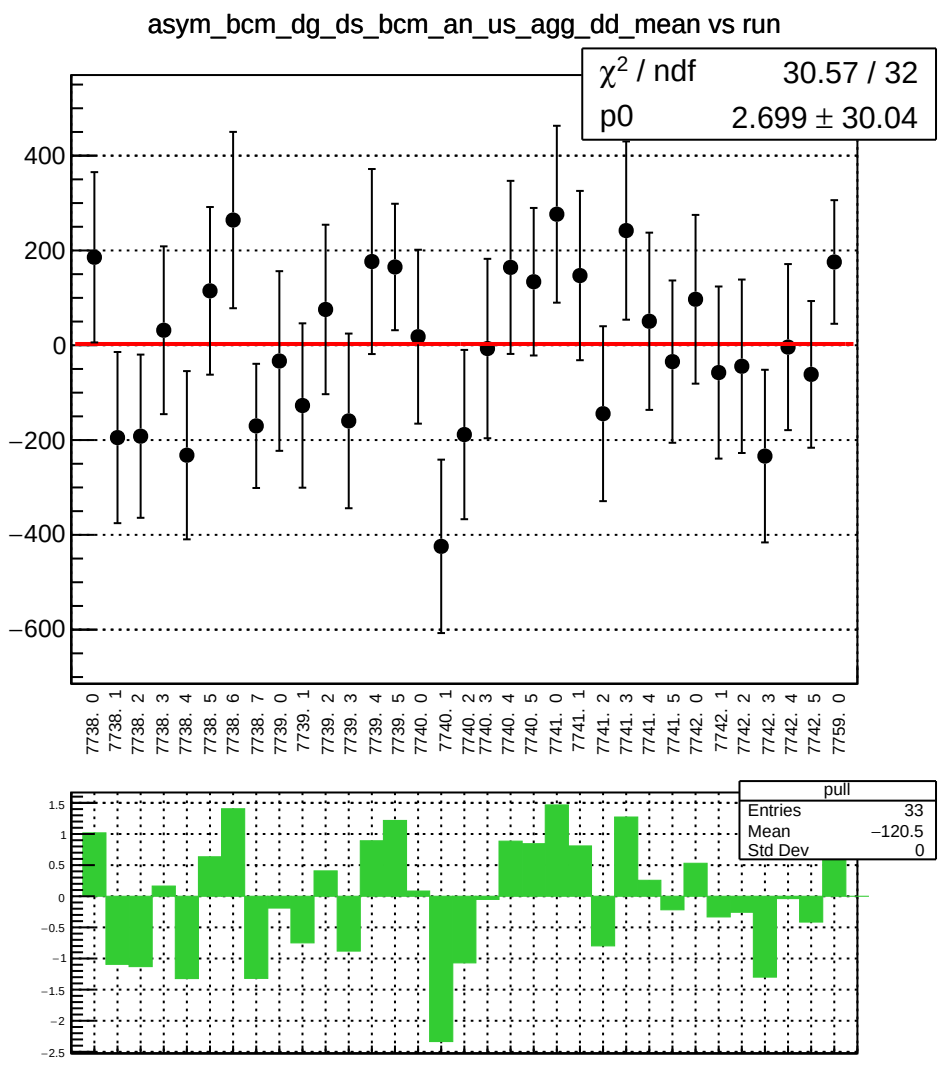

pull1D
Entries 33
Mean −0.01688
Std Dev 0.8892
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

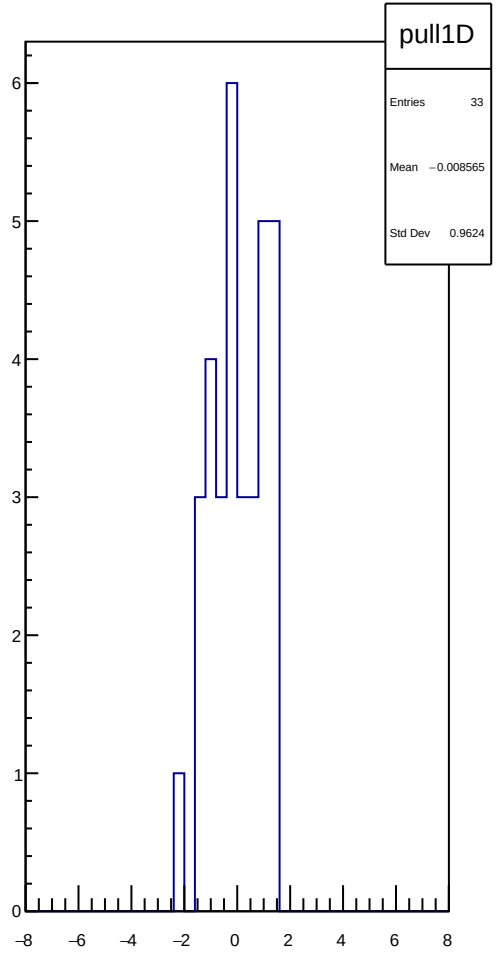

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 286.8 / 32
p0 22.99 ± 0.02825
24.5
24
23.5
23
22.5
22
21.5
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

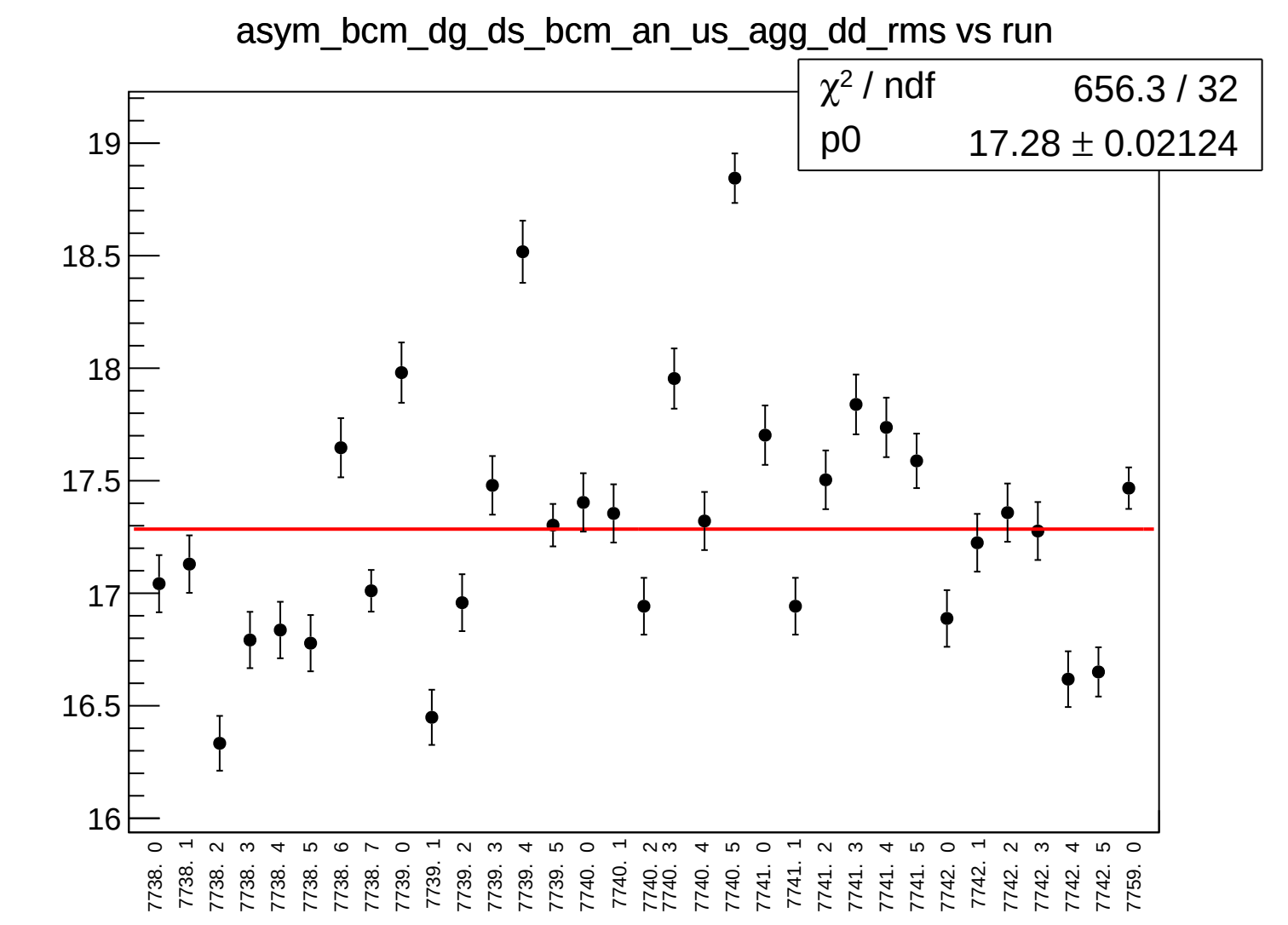

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 5.415 / 32
p0 182.9 ± 516.2
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 40.97
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

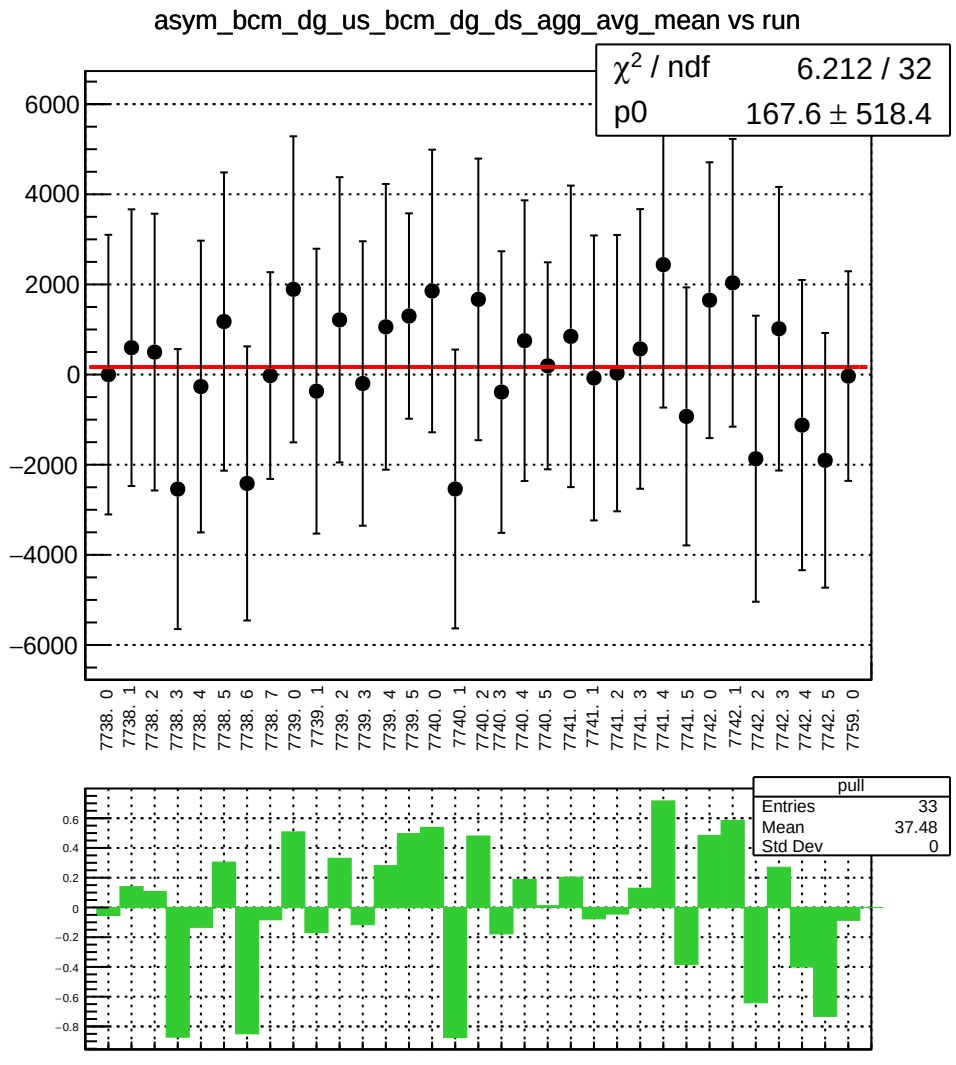

pull1D
Entries 33
Mean 0.003918
Std Dev 0.4051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

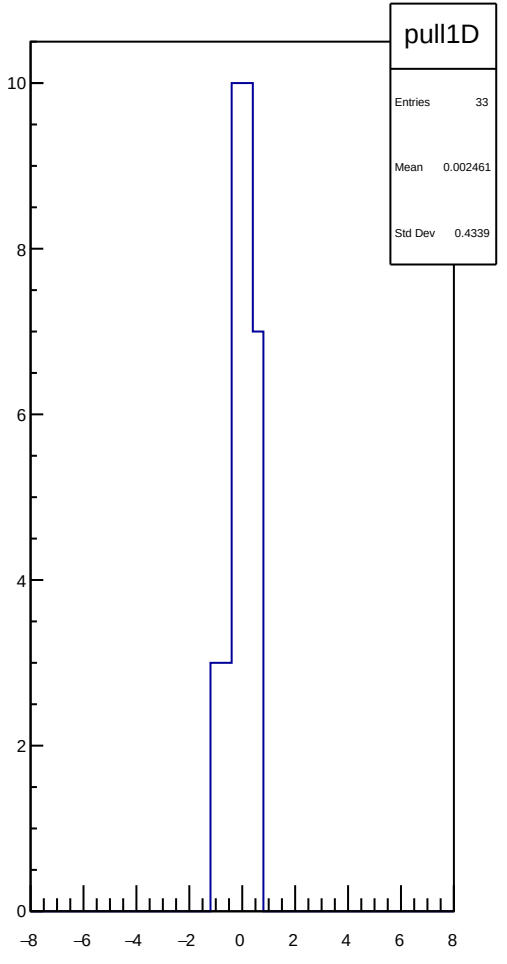

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 582.9 / 32
p0 297 ± 0.365
320
310
300
290
280
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

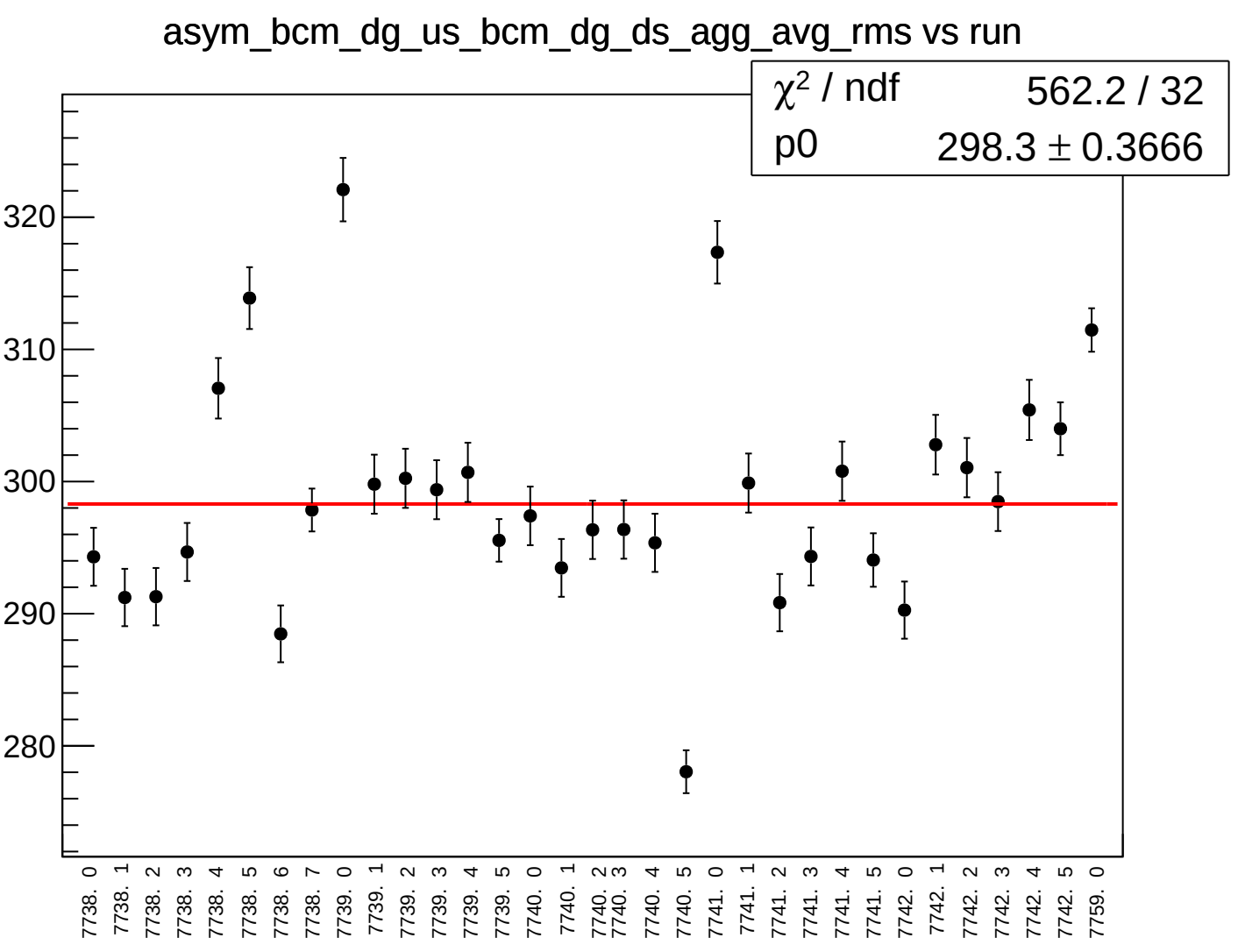

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 30.57 / 32
p0 2.699 ± 30.04
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −120.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

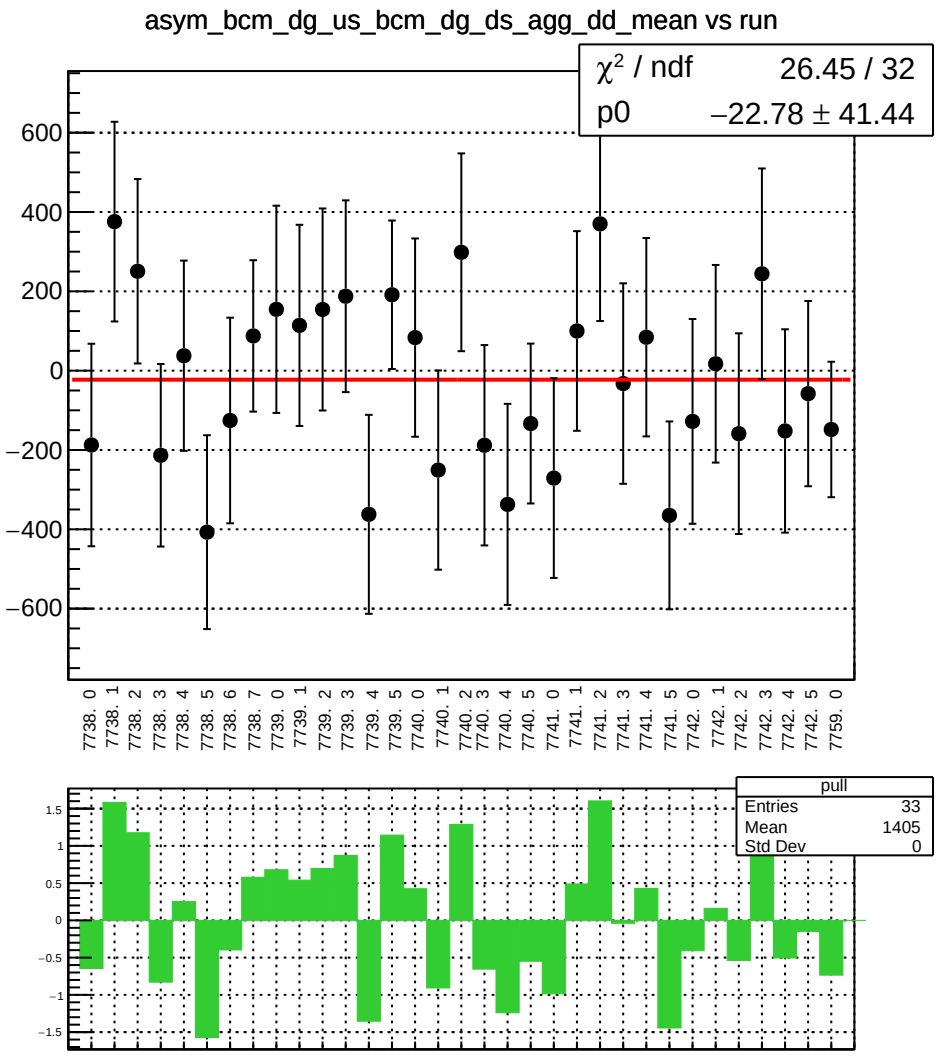

pull1D
Entries 33
Mean −0.008565
Std Dev 0.9624
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

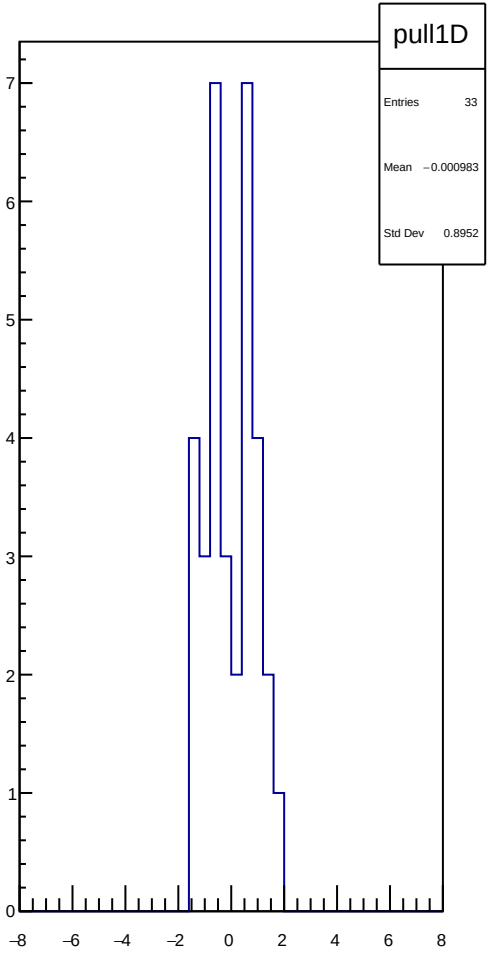

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 656.3 / 32
p0 17.28 ± 0.02124
19
18.5
18
17.5
17
16.5
16
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

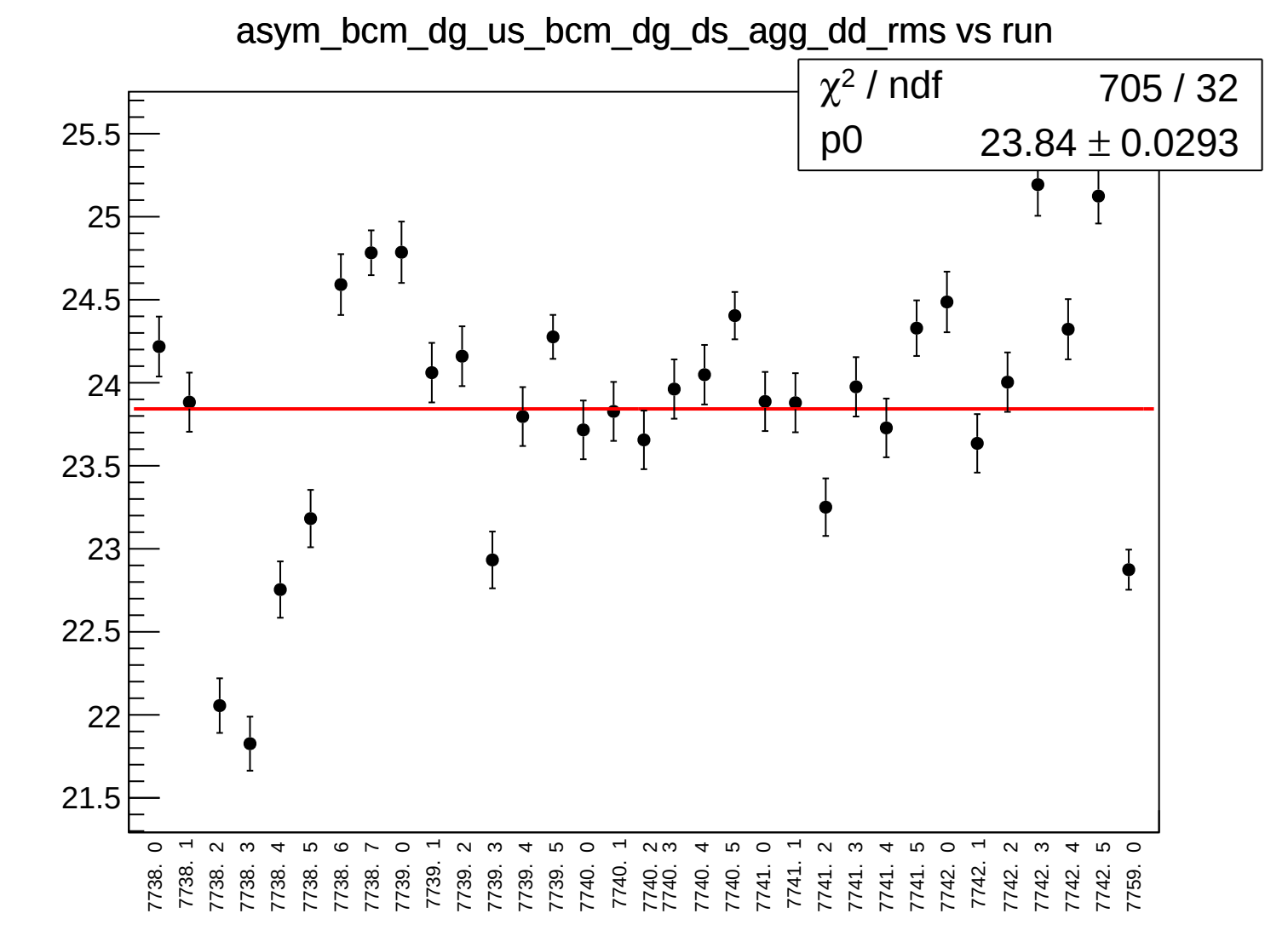

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 6.212 / 32
p0 167.6 ± 518.4
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 37.48
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

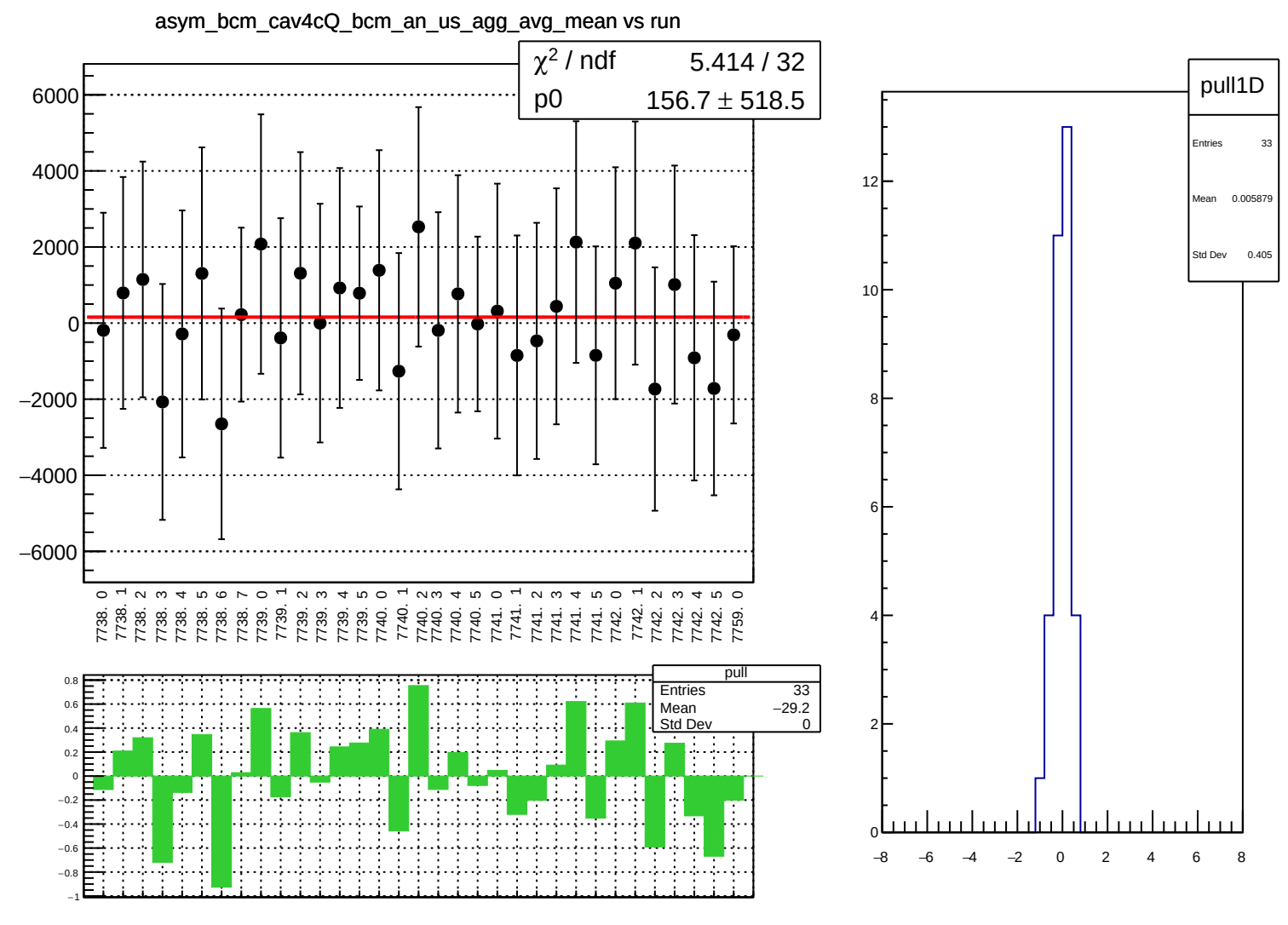

pull1D
Entries 33
Mean 0.002461
Std Dev 0.4339
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

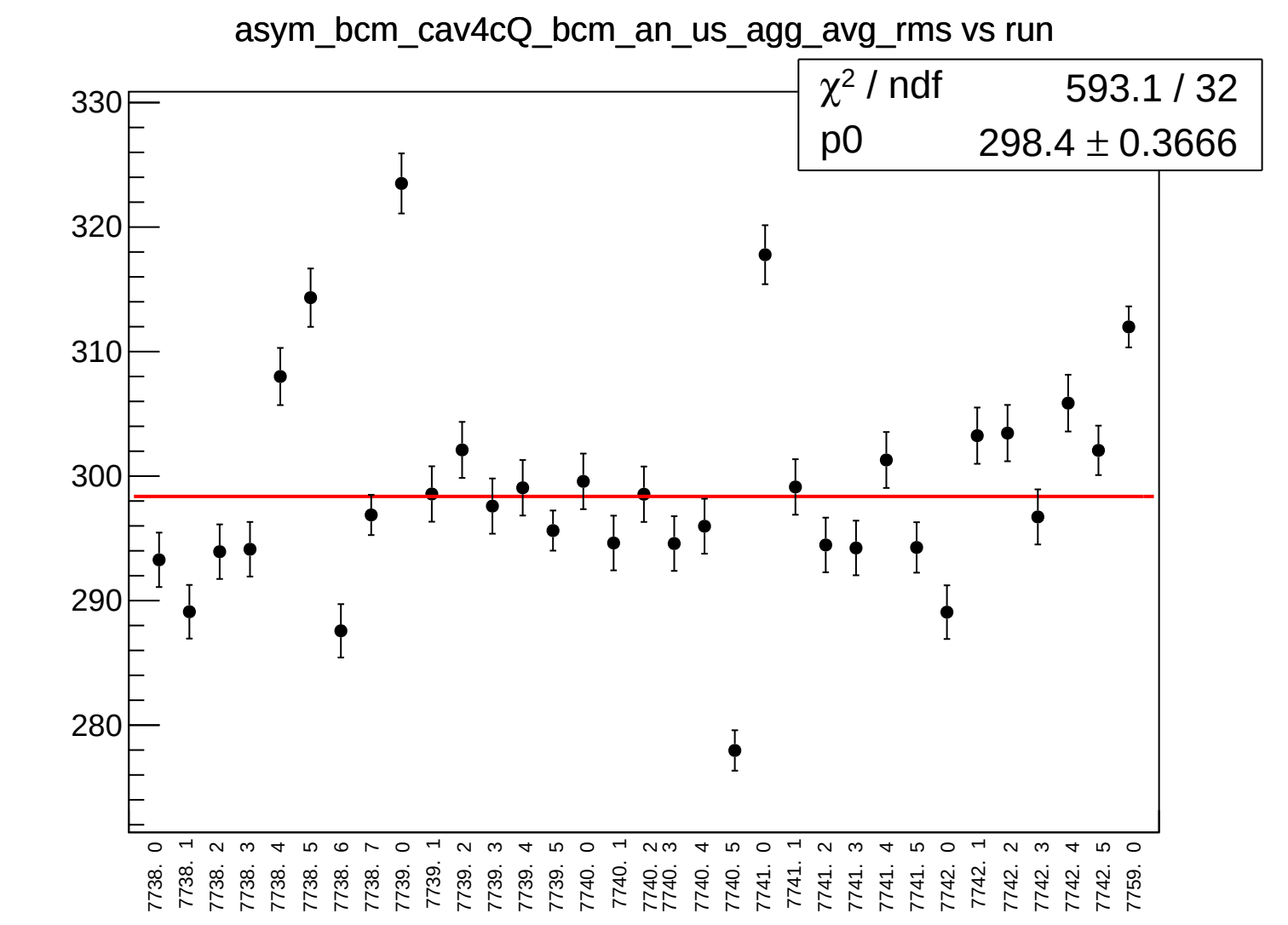

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 562.2 / 32
p0 298.3 ± 0.3666
320
310
300
290
280
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

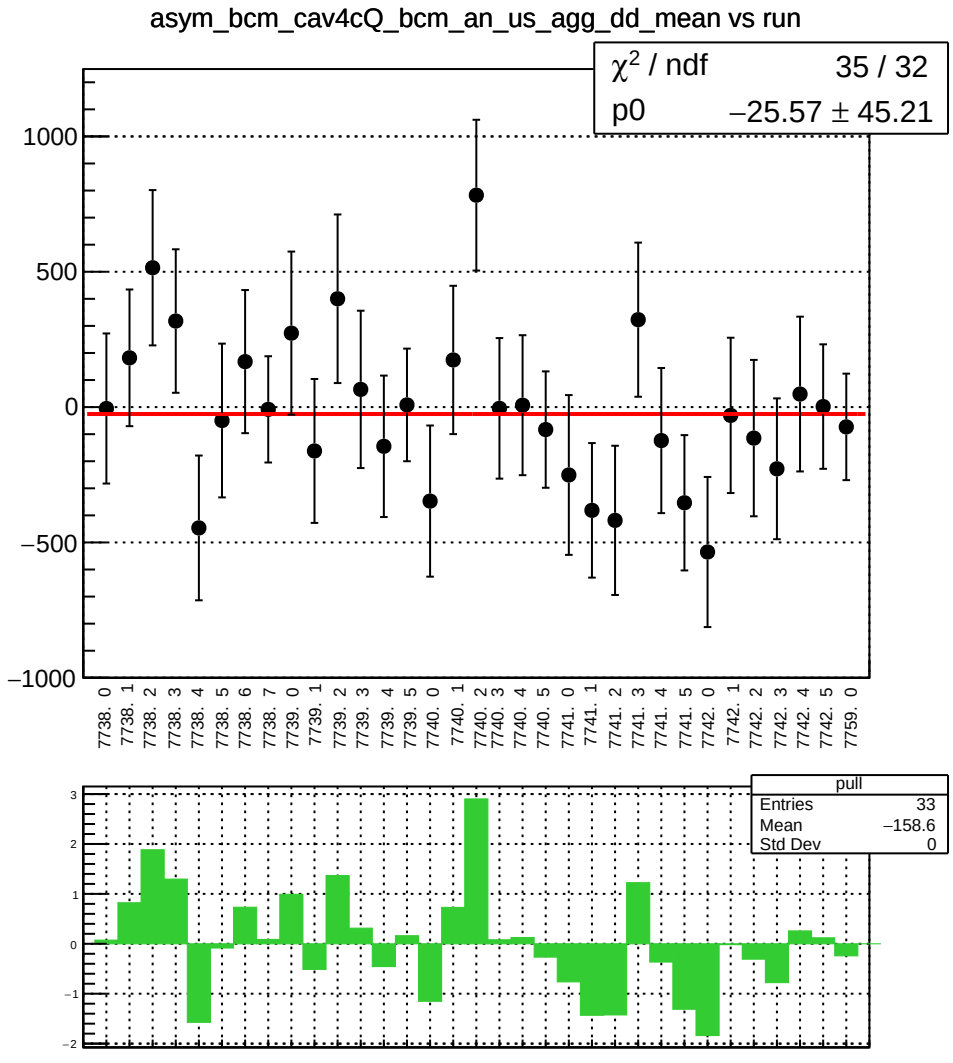

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 26.45 / 32
p0 −22.78 ± 41.44
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1405
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

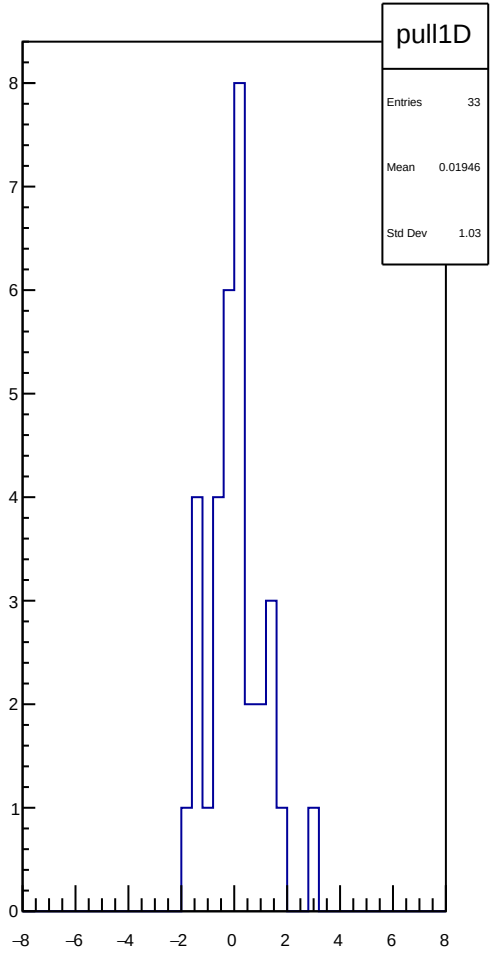

pull1D
Entries 33
Mean −0.000983
Std Dev 0.8952
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

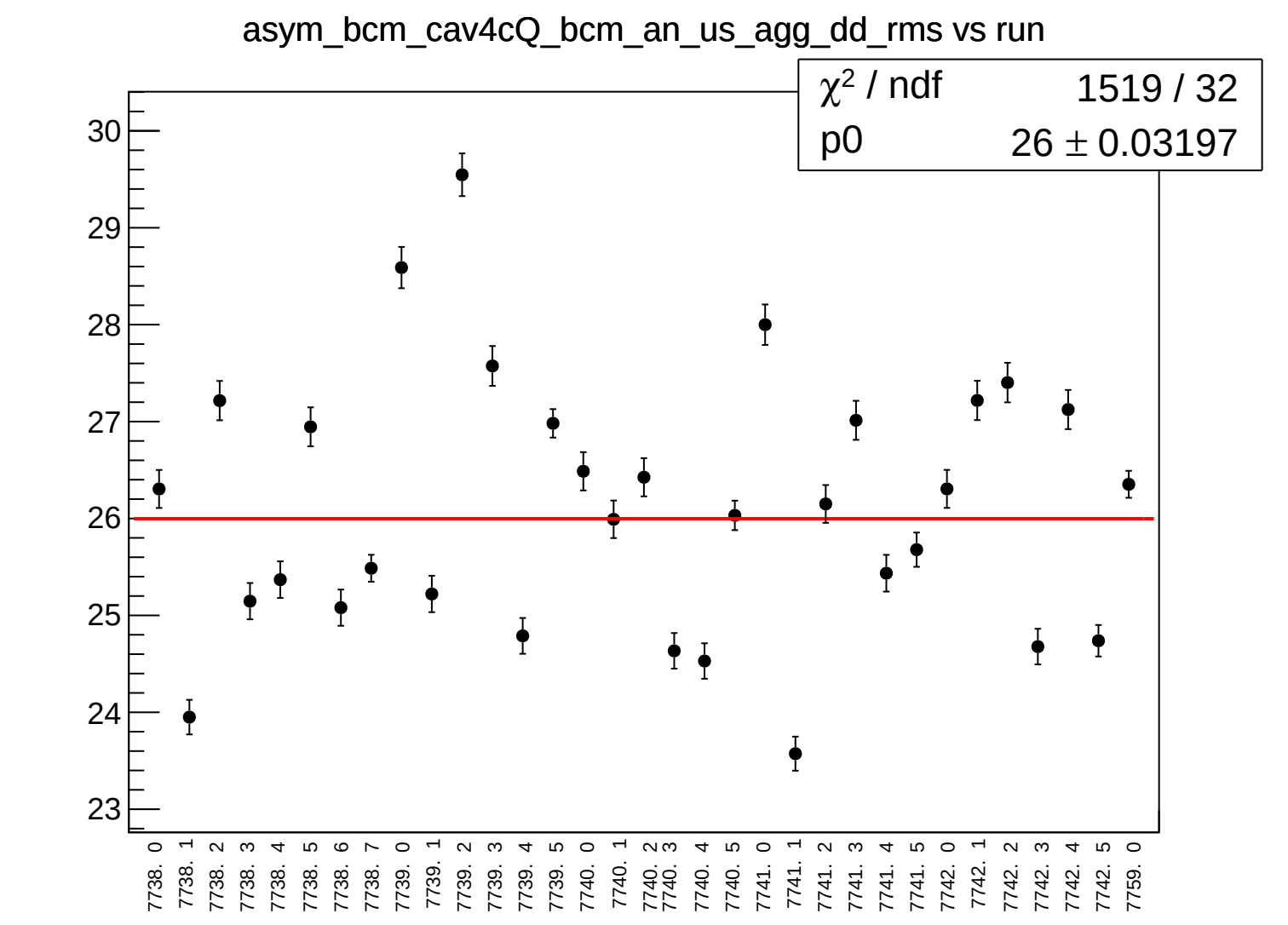

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 705 / 32
p0 23.84 ± 0.0293
25.5
25
24.5
24
23.5
23
22.5
22
21.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

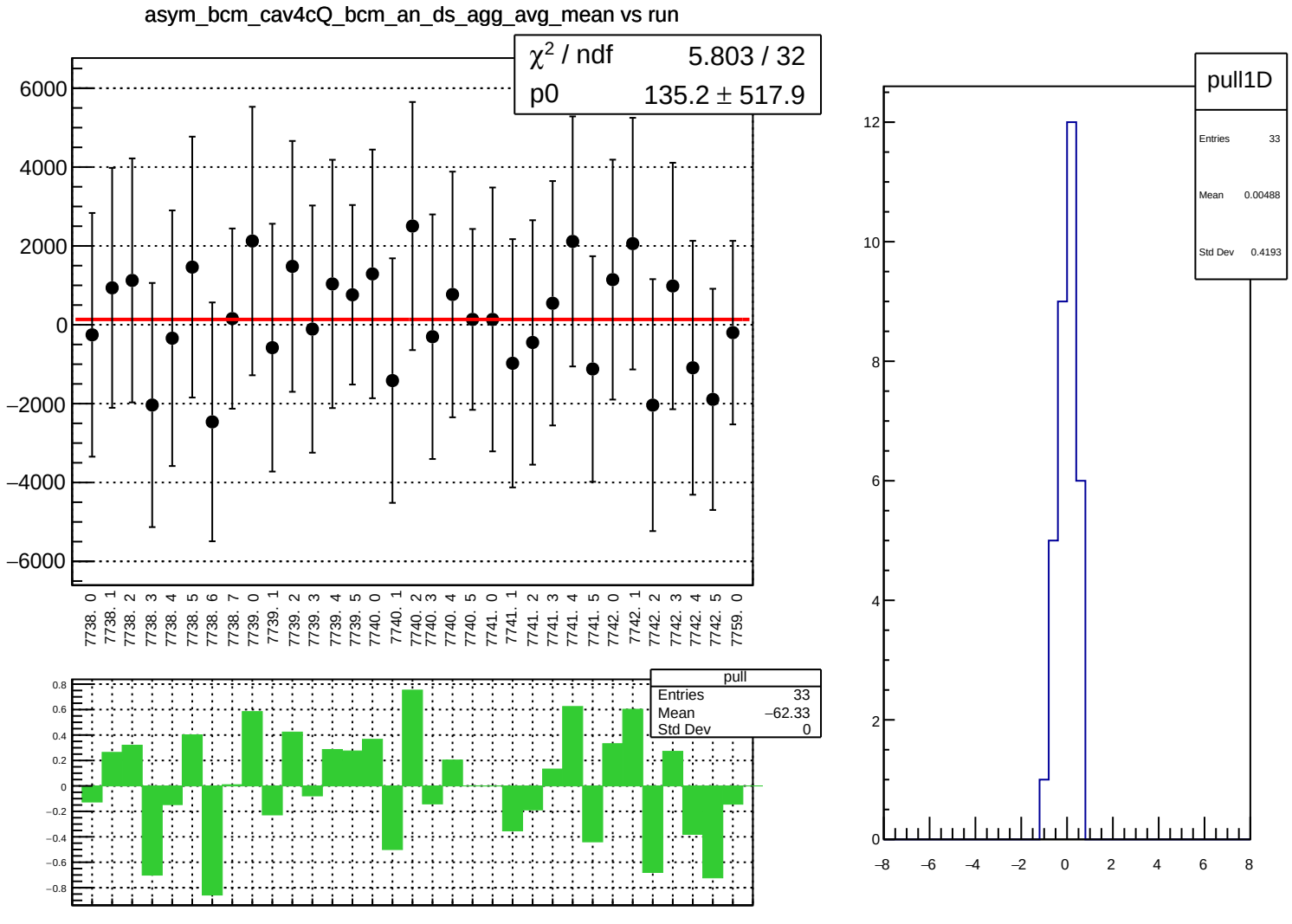

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 5.414 / 32
p0 156.7 ± 518.5
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 33
Mean 0.005879
Std Dev 0.405
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

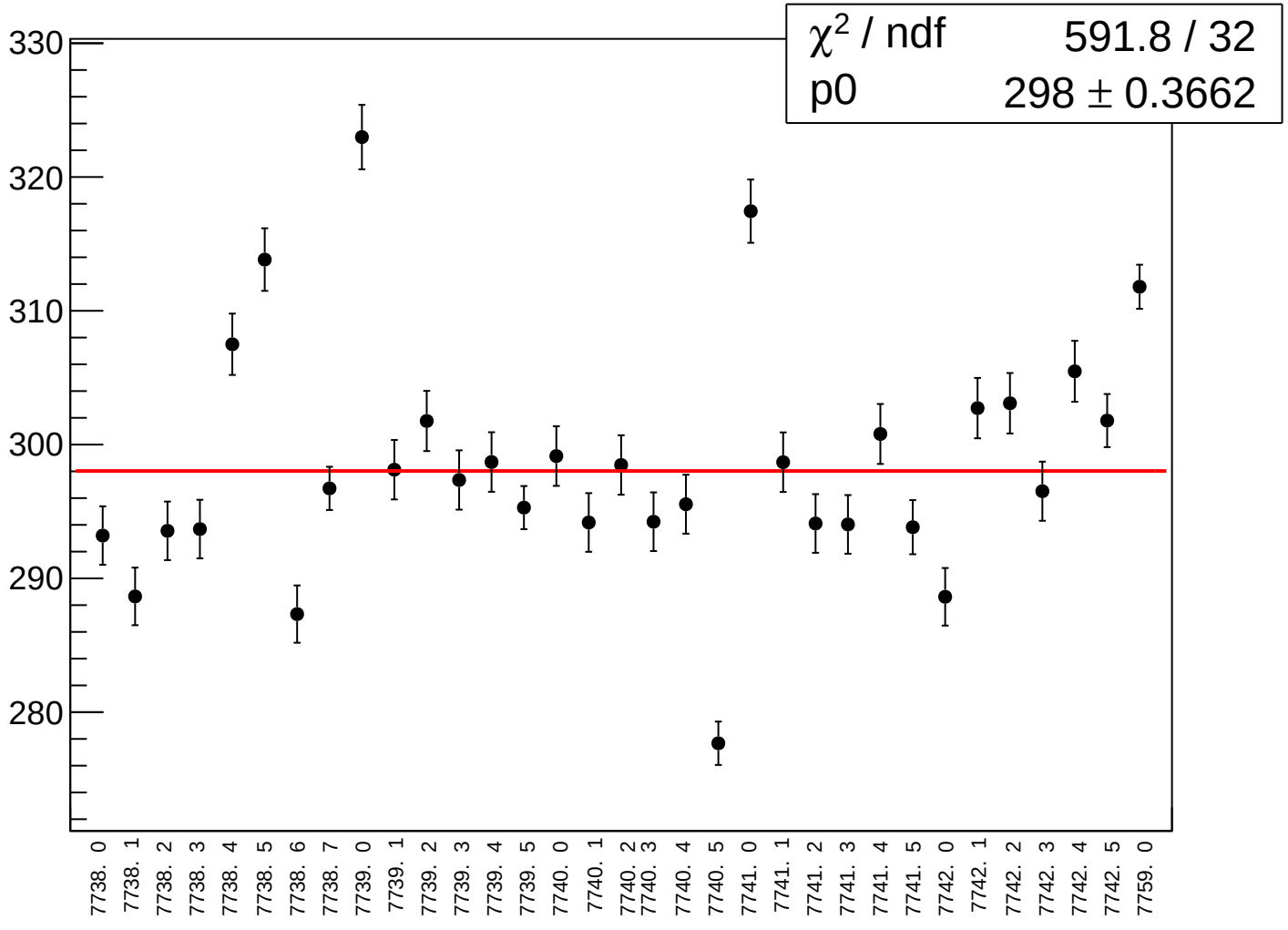

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 593.1 / 32
p0 298.4 ± 0.3666
330
320
310
300
290
280
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

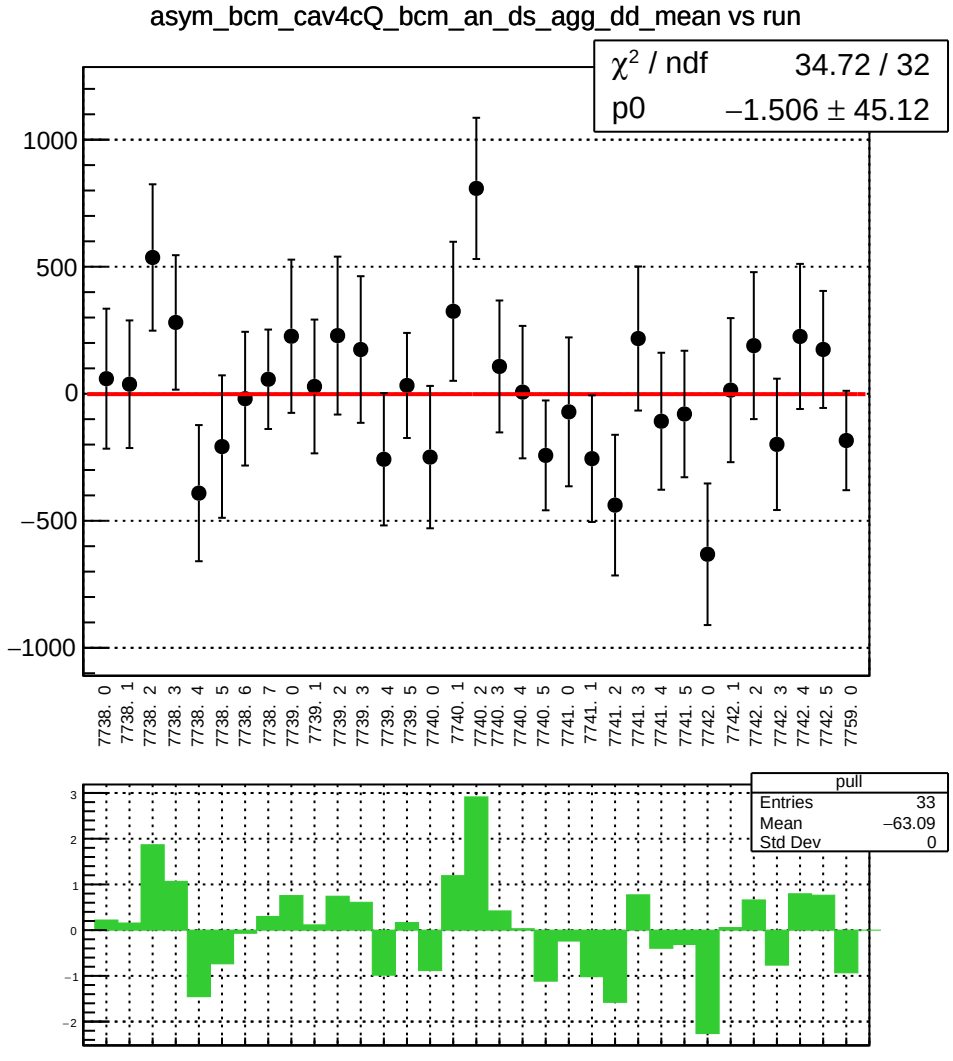

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 35 / 32
p0 −25.57 ± 45.21
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −158.6
Std Dev 0
3
2
1
0
−1
−2

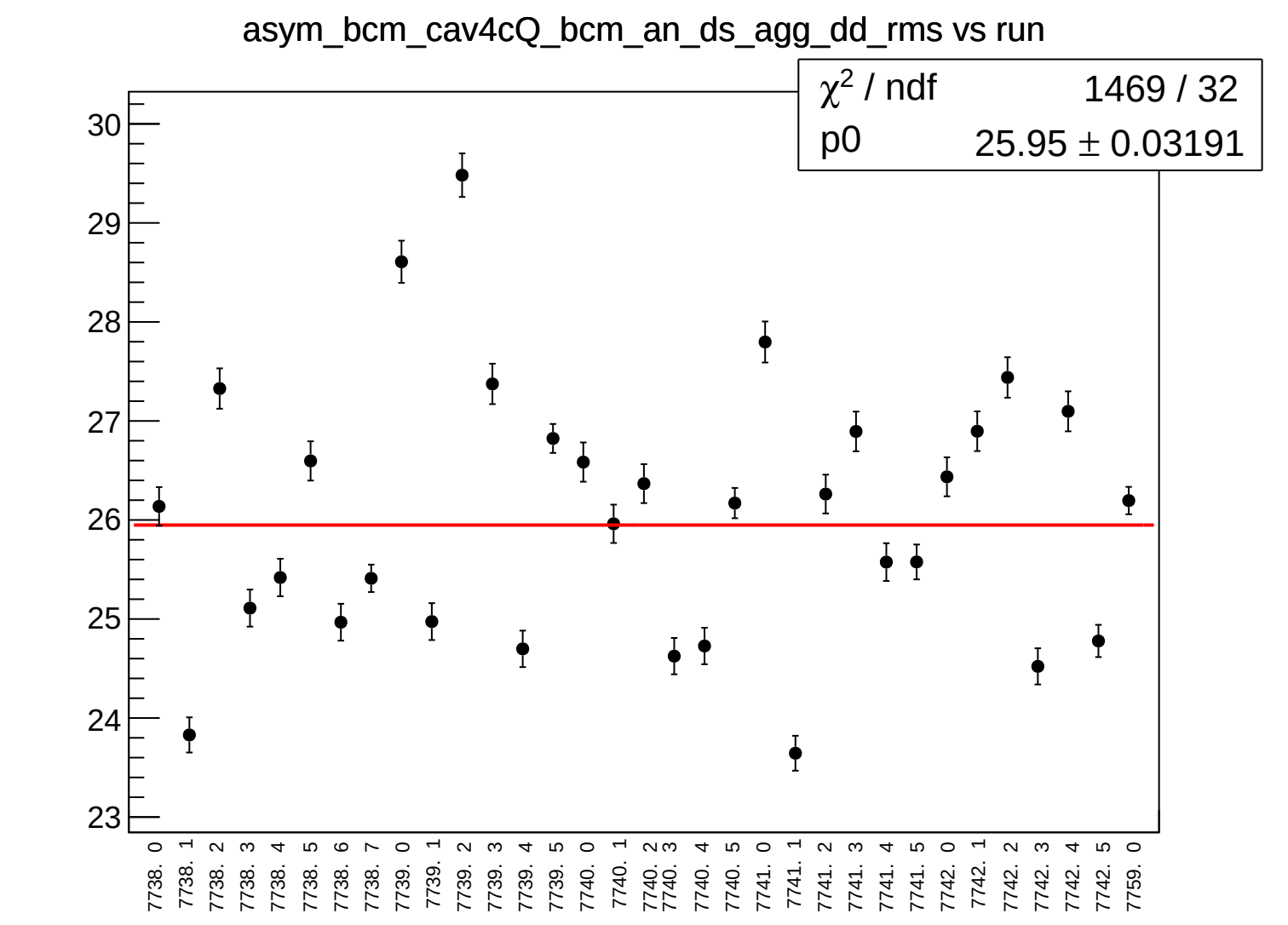

pull1D
Entries 33
Mean 0.01946
Std Dev 1.03
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

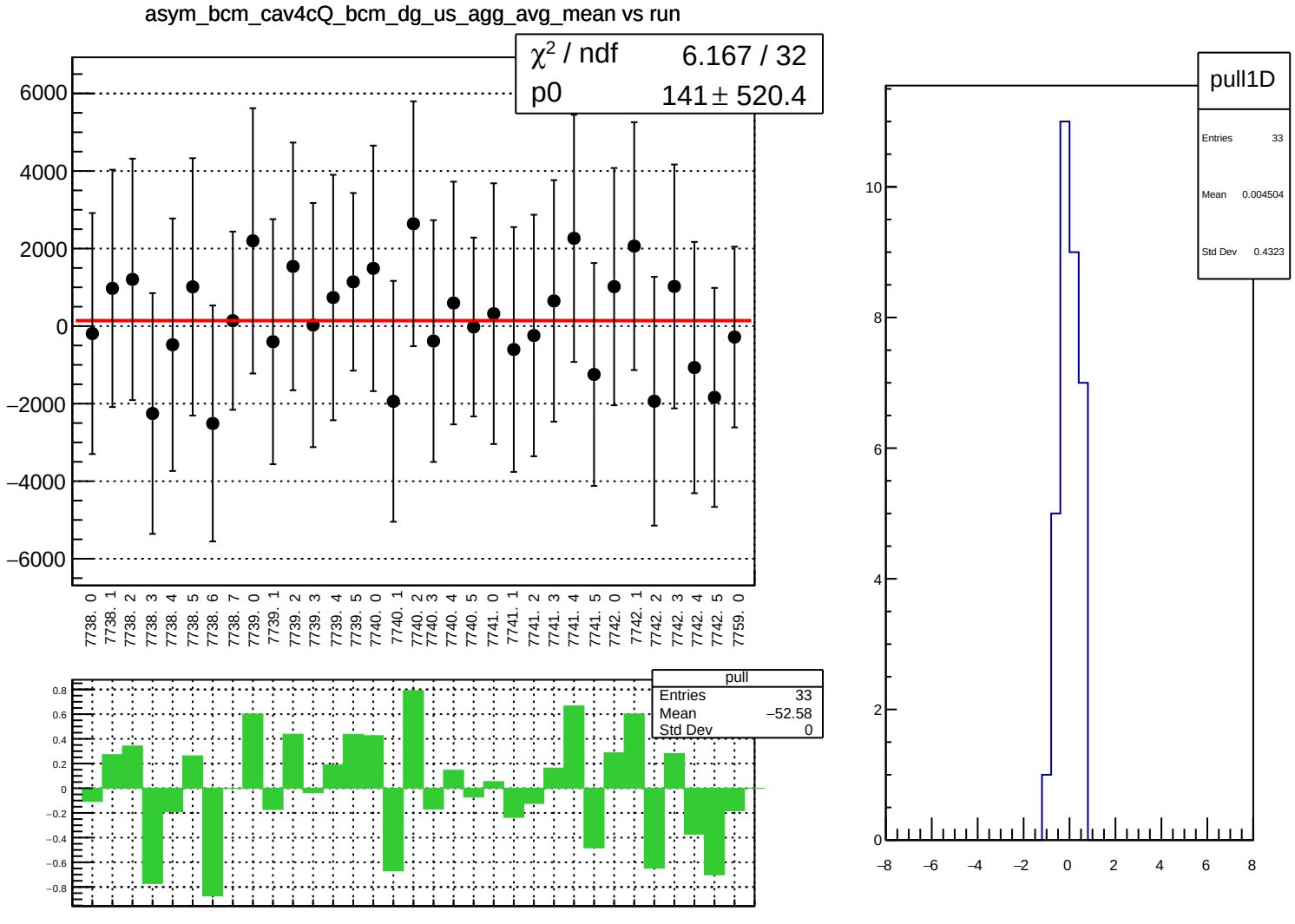

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1519 / 32
p0 26 ± 0.03197
30
29
28
27
26
25
24
23
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

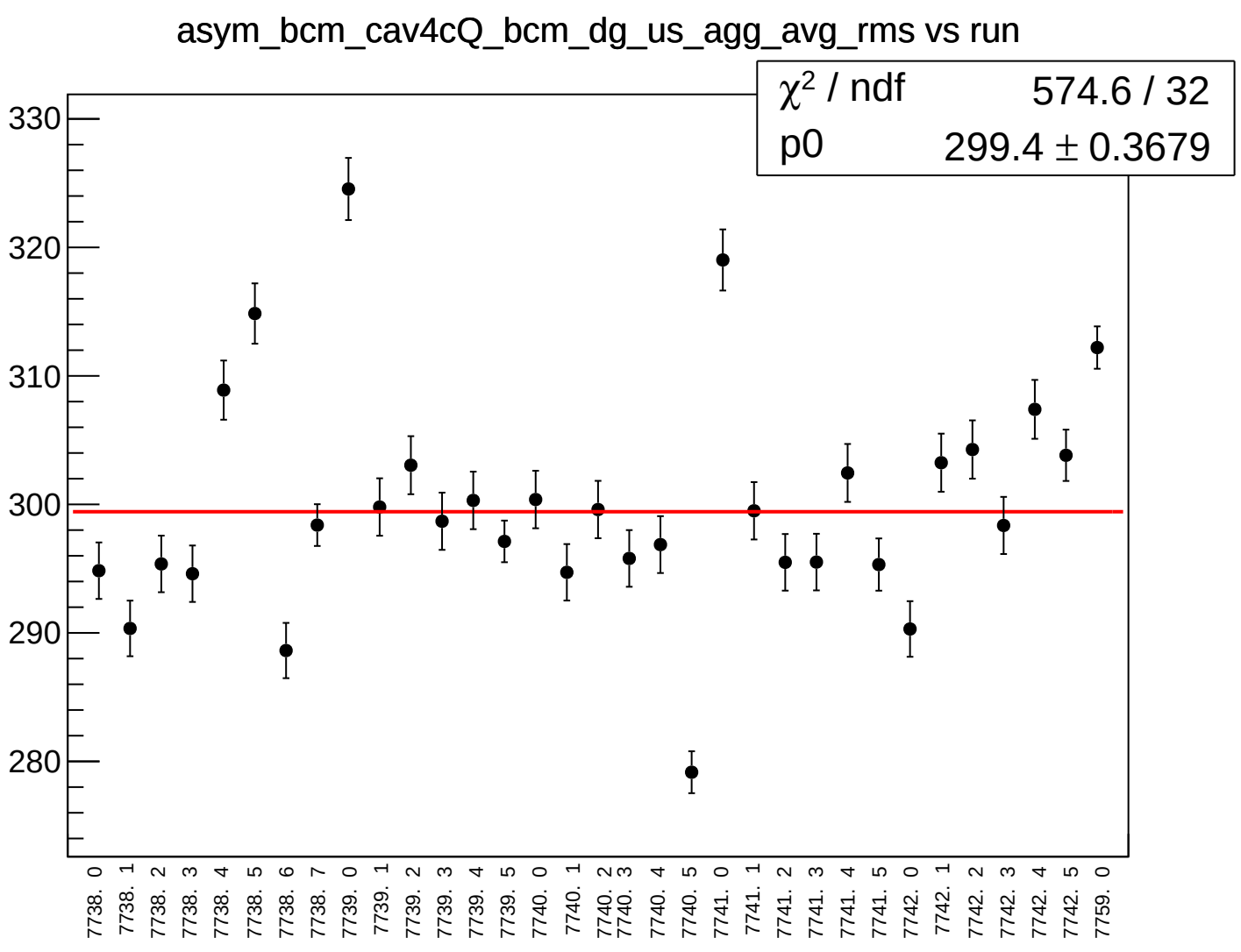

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 5.803 / 32
p0 135.2 ± 517.9
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −62.33
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.00488
Std Dev 0.4193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 591.8 / 32
p0 298 ± 0.3662
330
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 34.72 / 32
p0 −1.506 ± 45.12
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −63.09
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.02588
Std Dev 1.025
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_dd_rms vs run
χ² / ndf 1469 / 32
p0 25.95 ± 0.03191
30
29
28
27
26
25
24
23
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 6.167 / 32
p0 141 ± 520.4
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −52.58
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.004504
Std Dev 0.4323
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 574.6 / 32
p0 299.4 ± 0.3679
330
320
310
300
290
280
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
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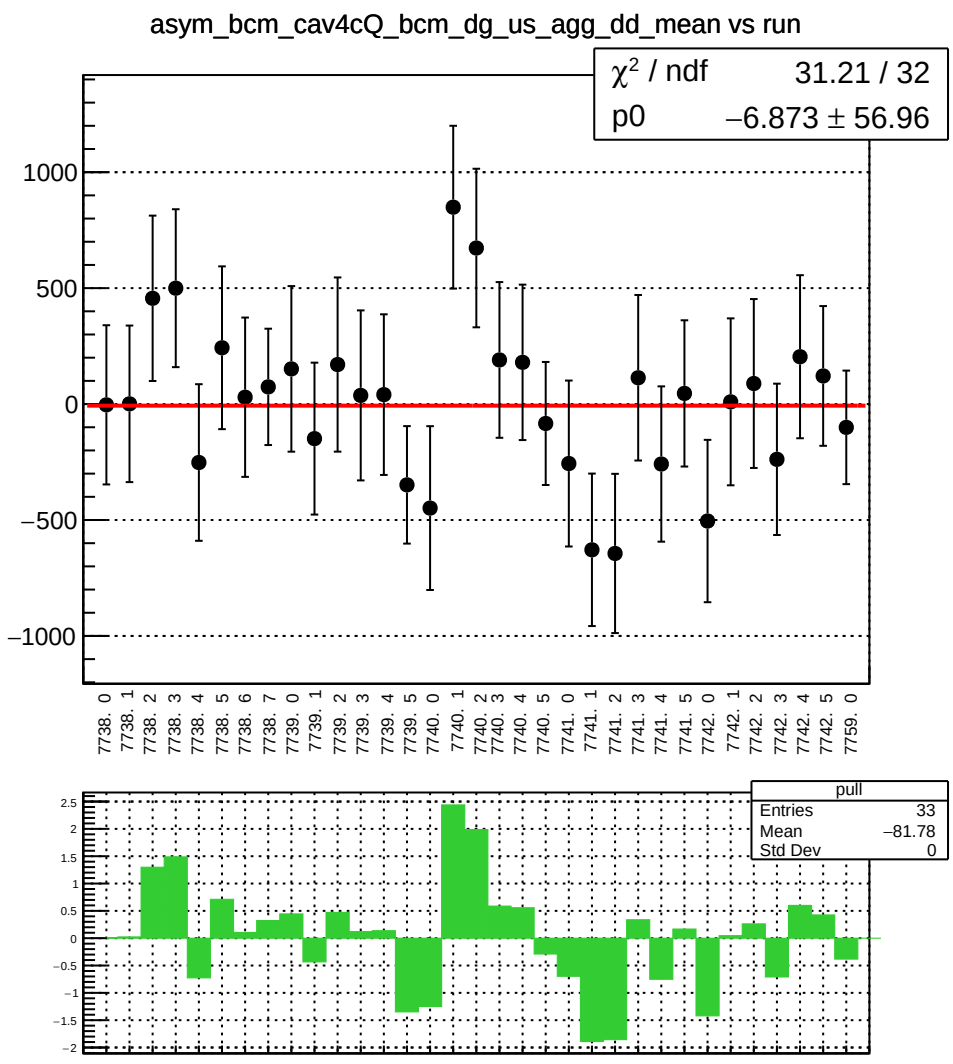
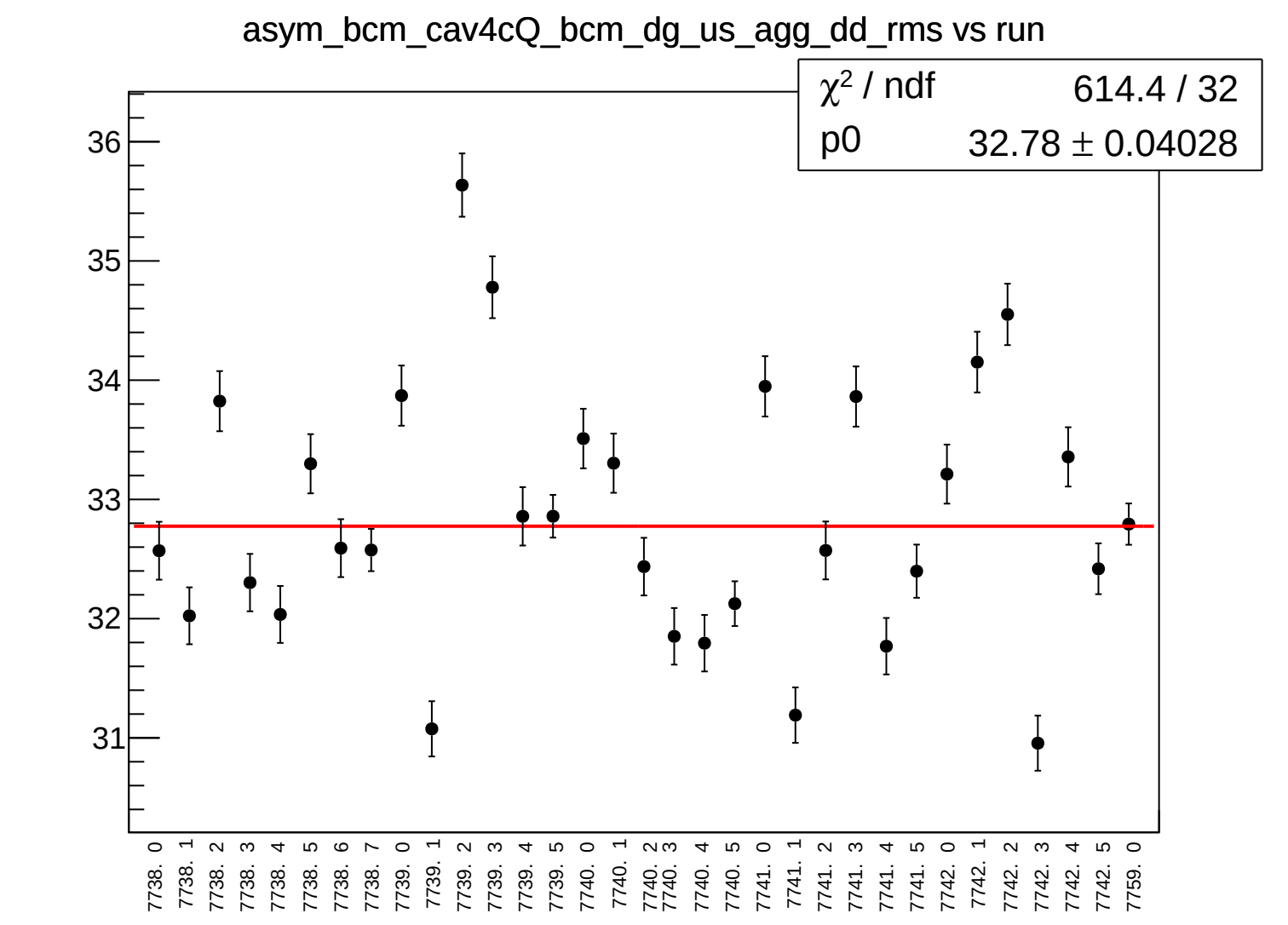
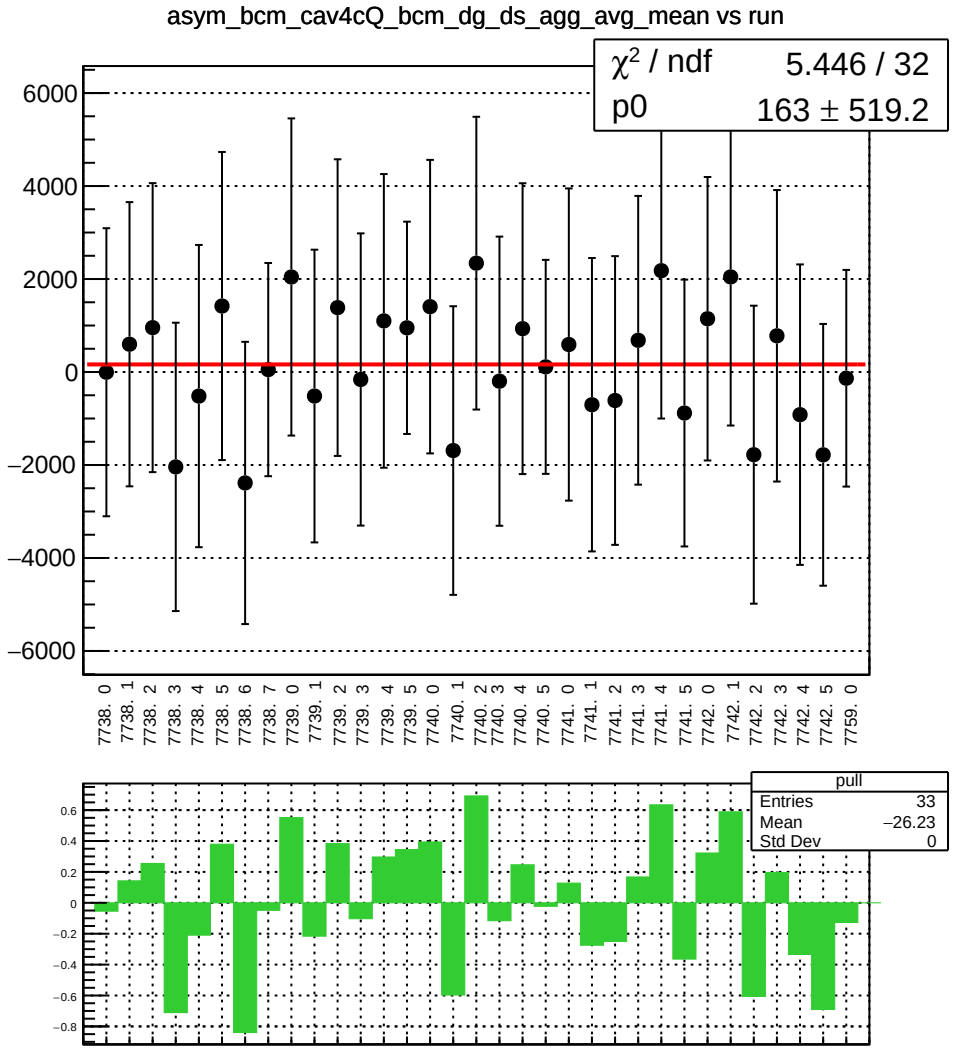
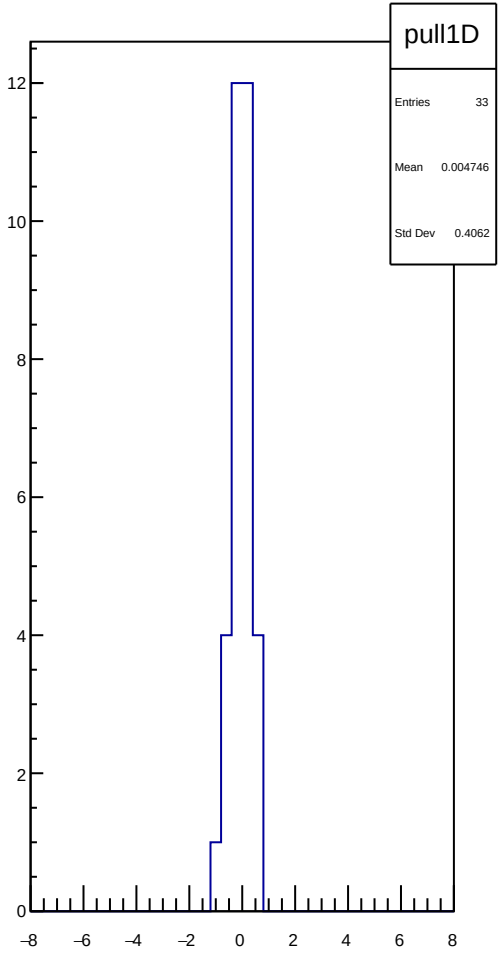
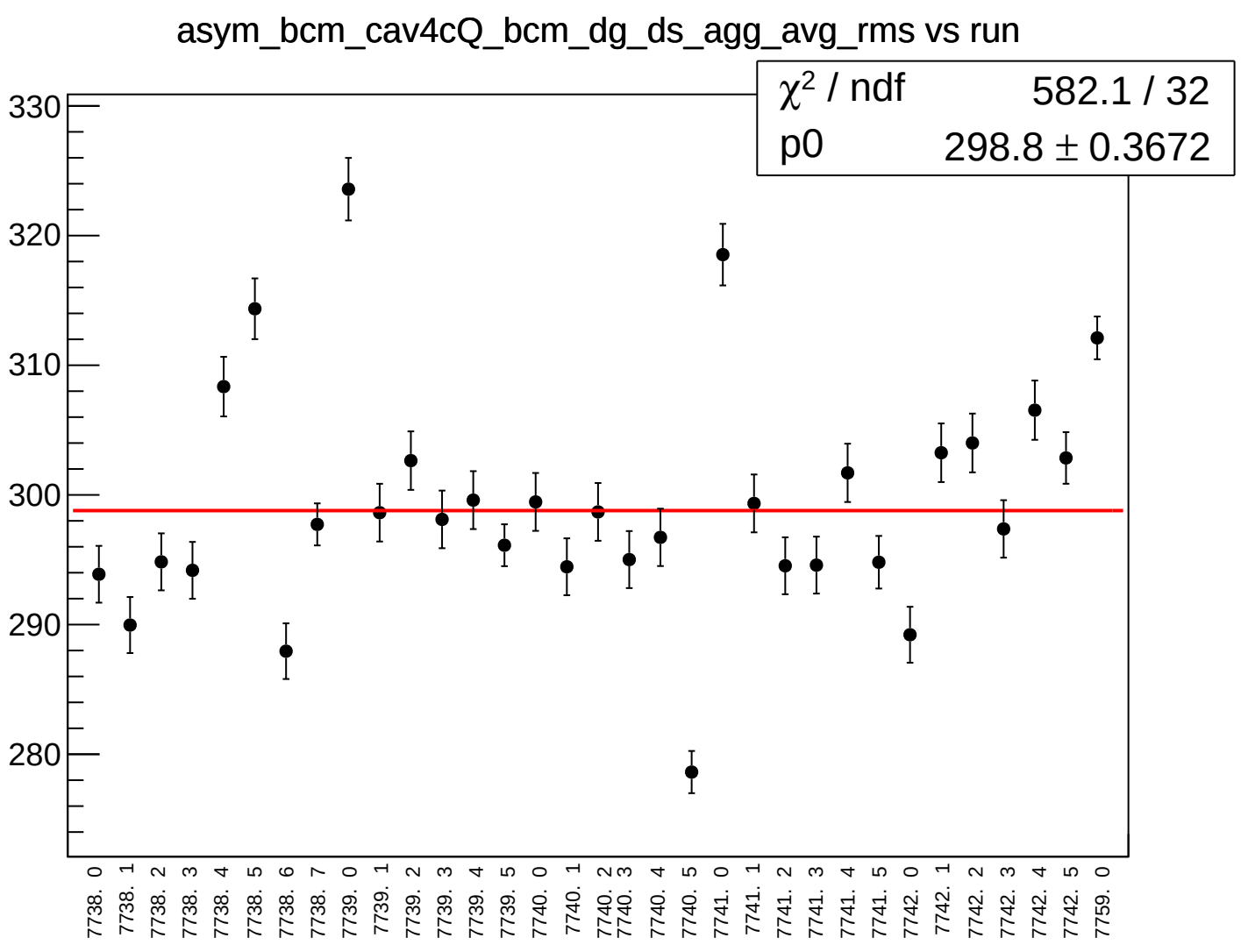
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

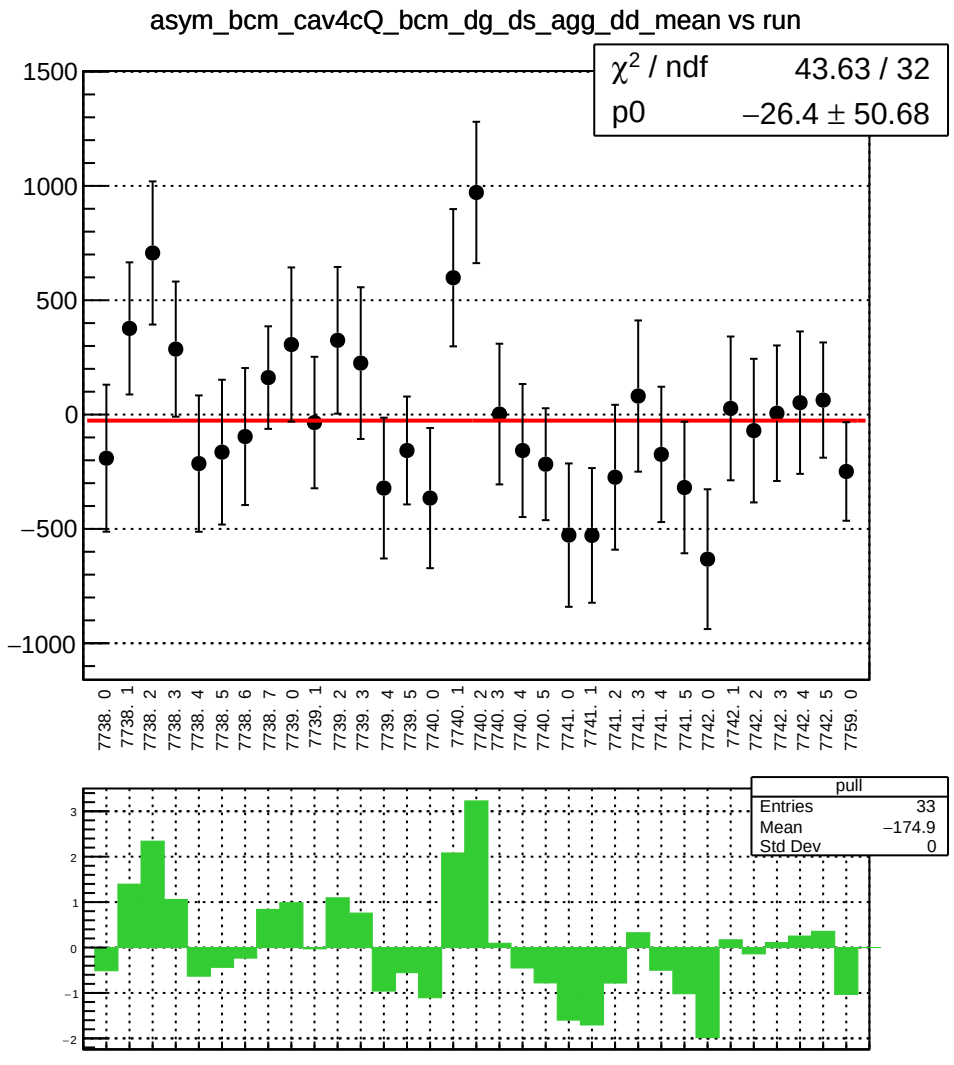

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 31.21 / 32
p0 −6.873 ± 56.96
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −81.78
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02384
Std Dev 0.9722
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

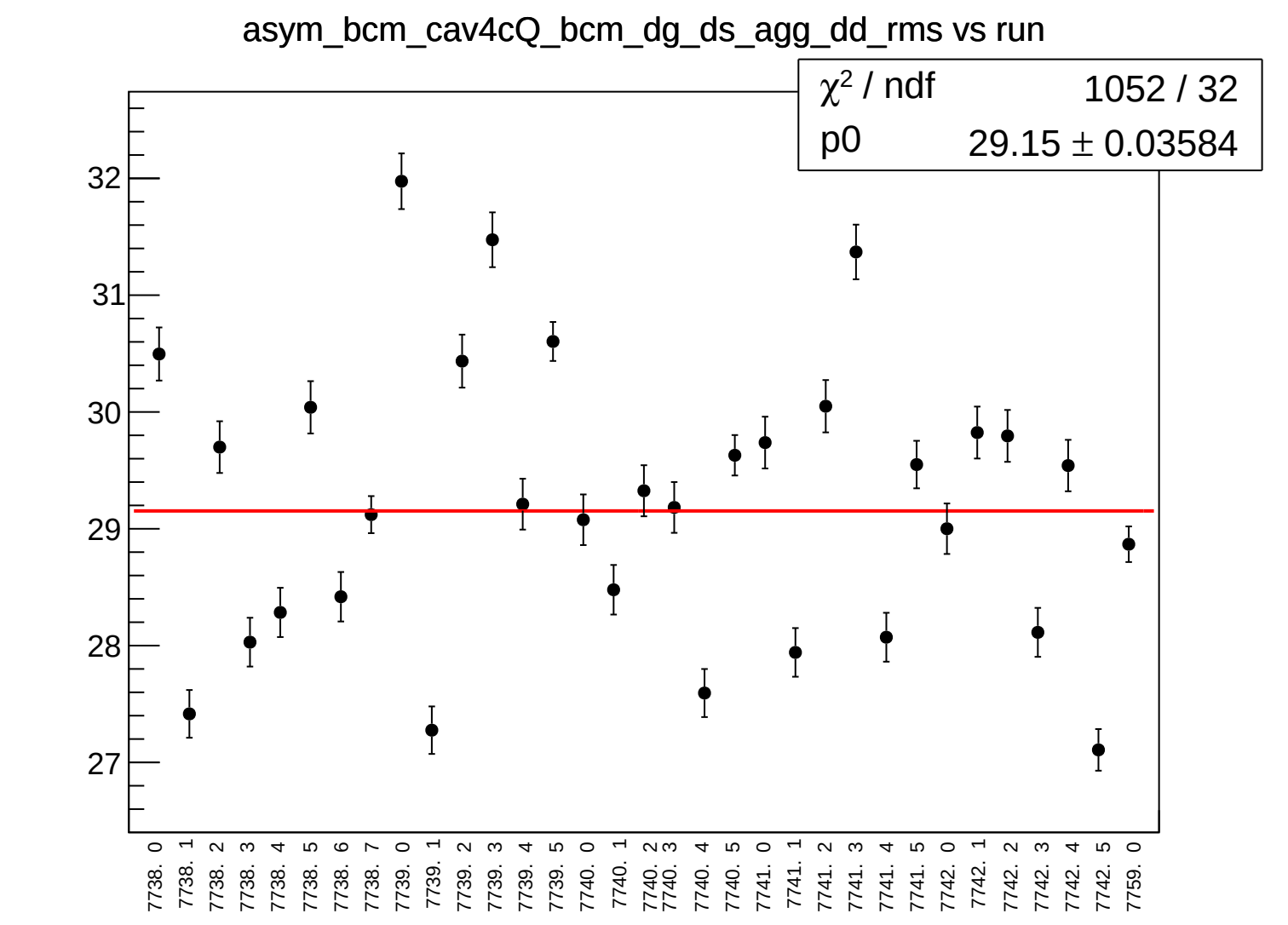

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 614.4 / 32
p0 32.78 ± 0.04028
36
35
34
33
32
31
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

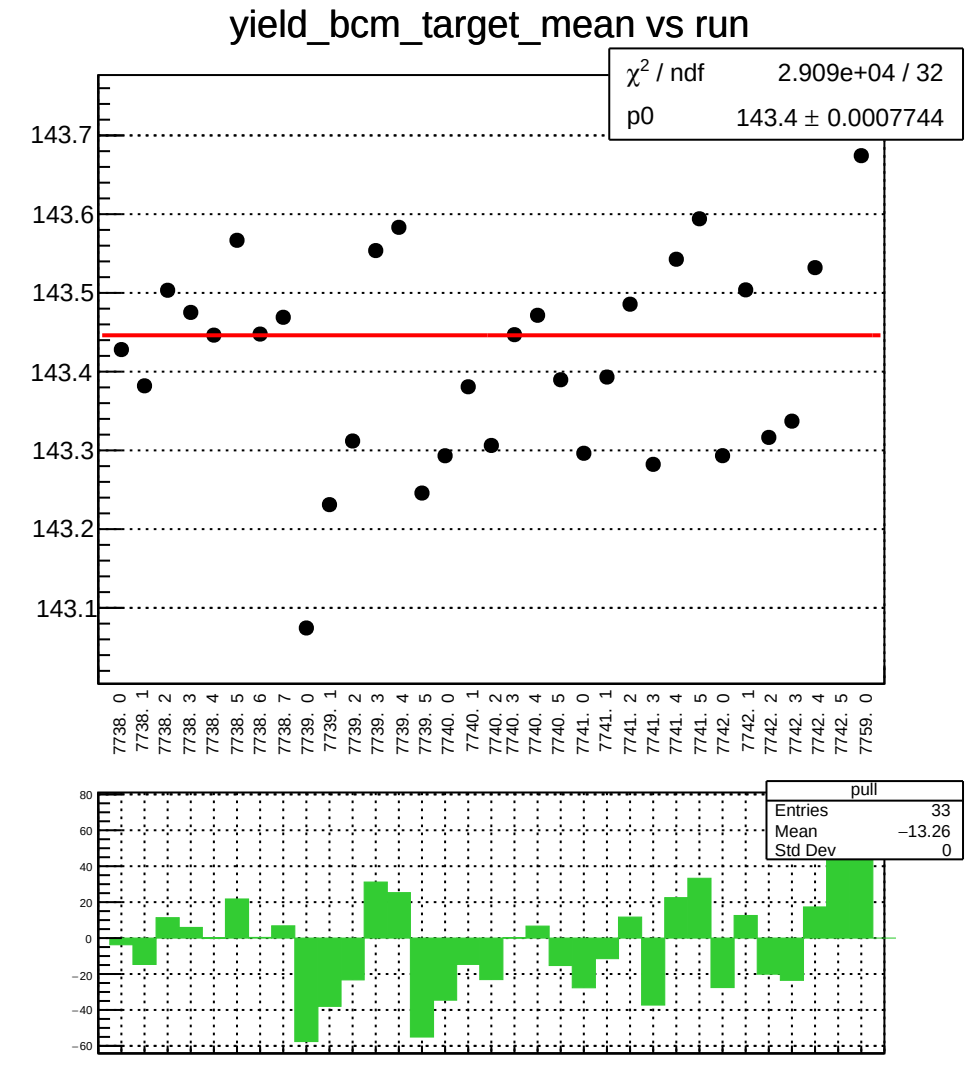

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 5.446 / 32
p0 163 ± 519.2
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −26.23
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

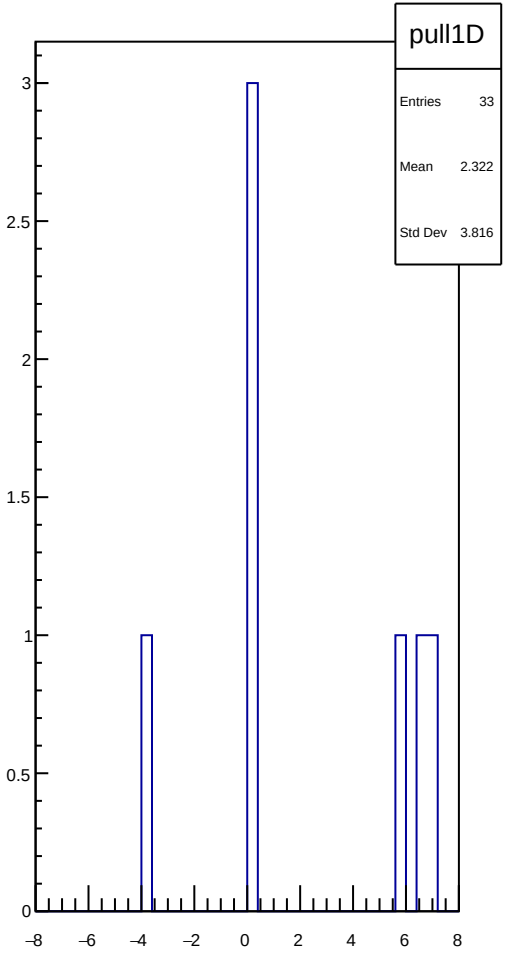

pull1D
Entries 33
Mean 0.004746
Std Dev 0.4062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

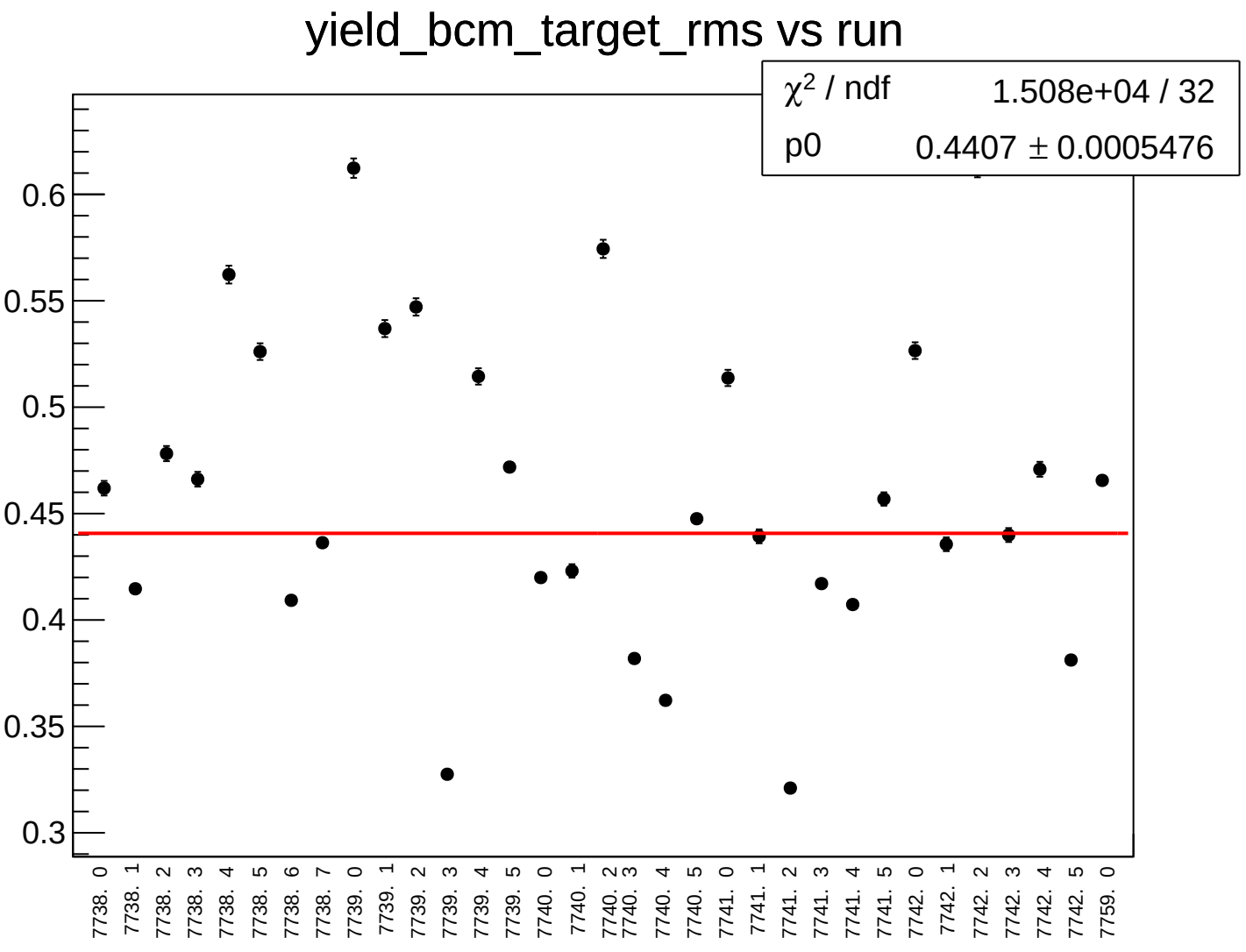

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 582.1 / 32
p0 298.8 ± 0.3672
330
320
310
300
290
280
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

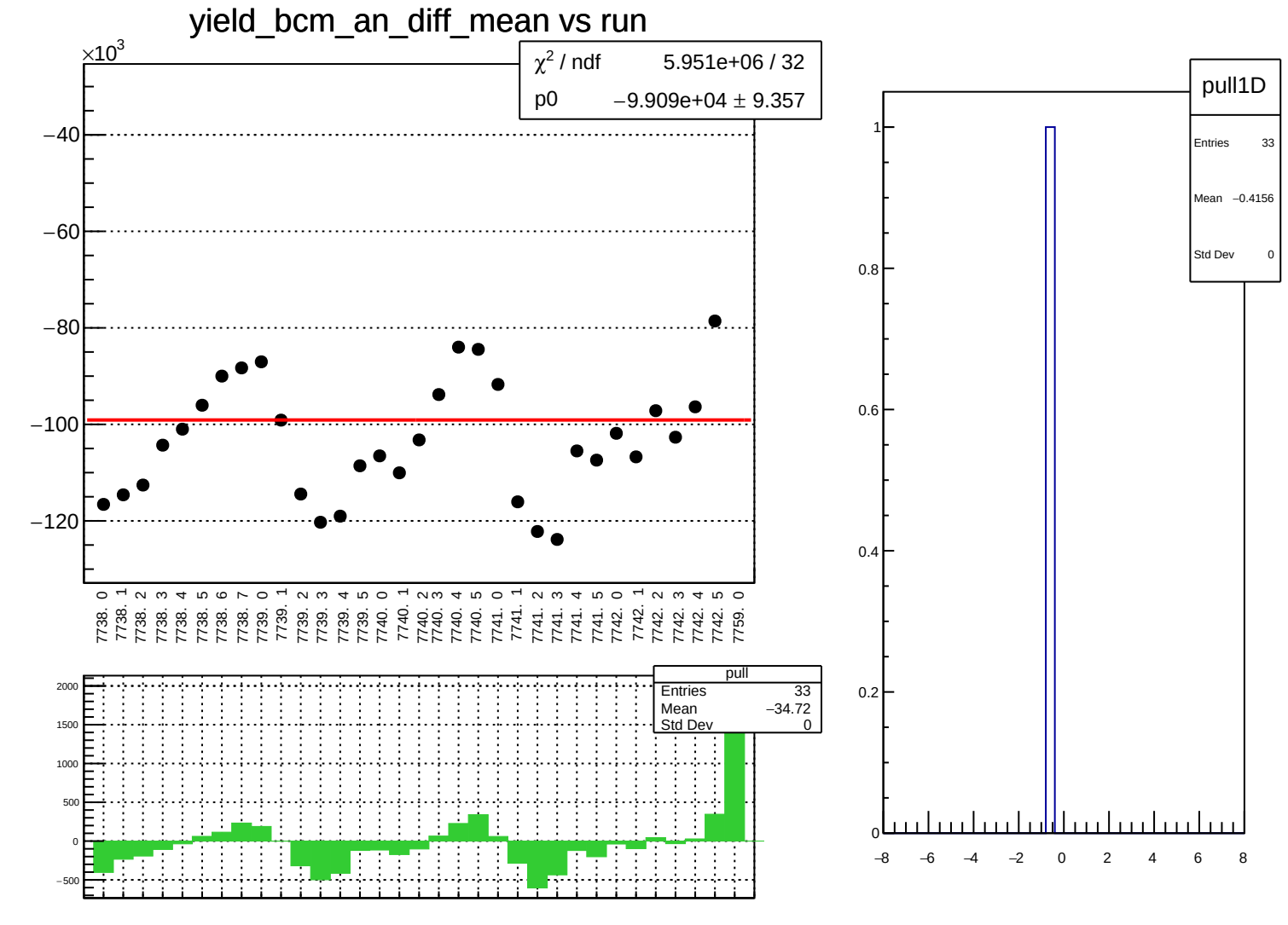

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 43.63 / 32
p0 −26.4 ± 50.68
1500
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −174.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.01964
Std Dev 1.15
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

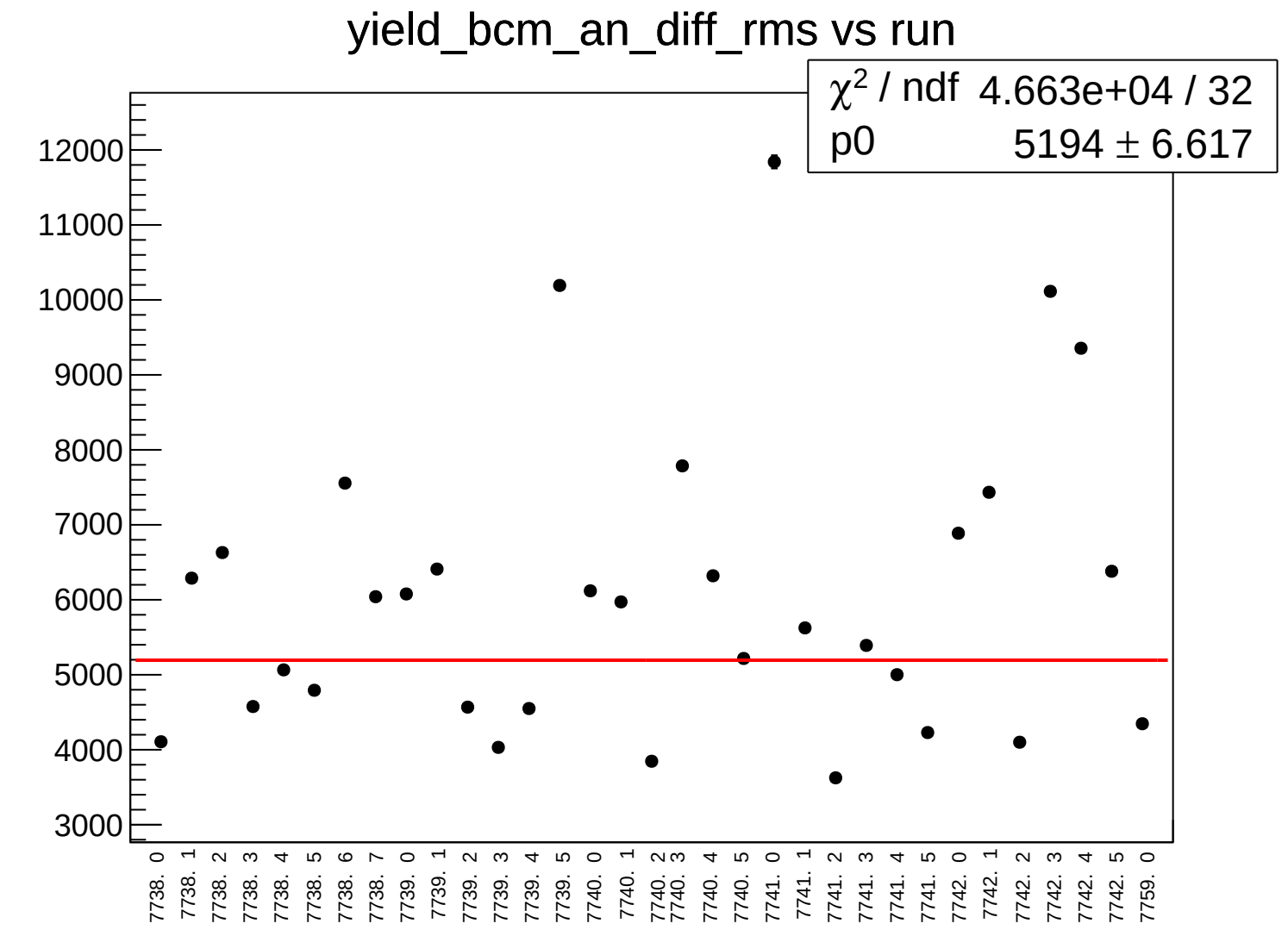

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1052 / 32
p0 29.15 ± 0.03584
32
31
30
29
28
27
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

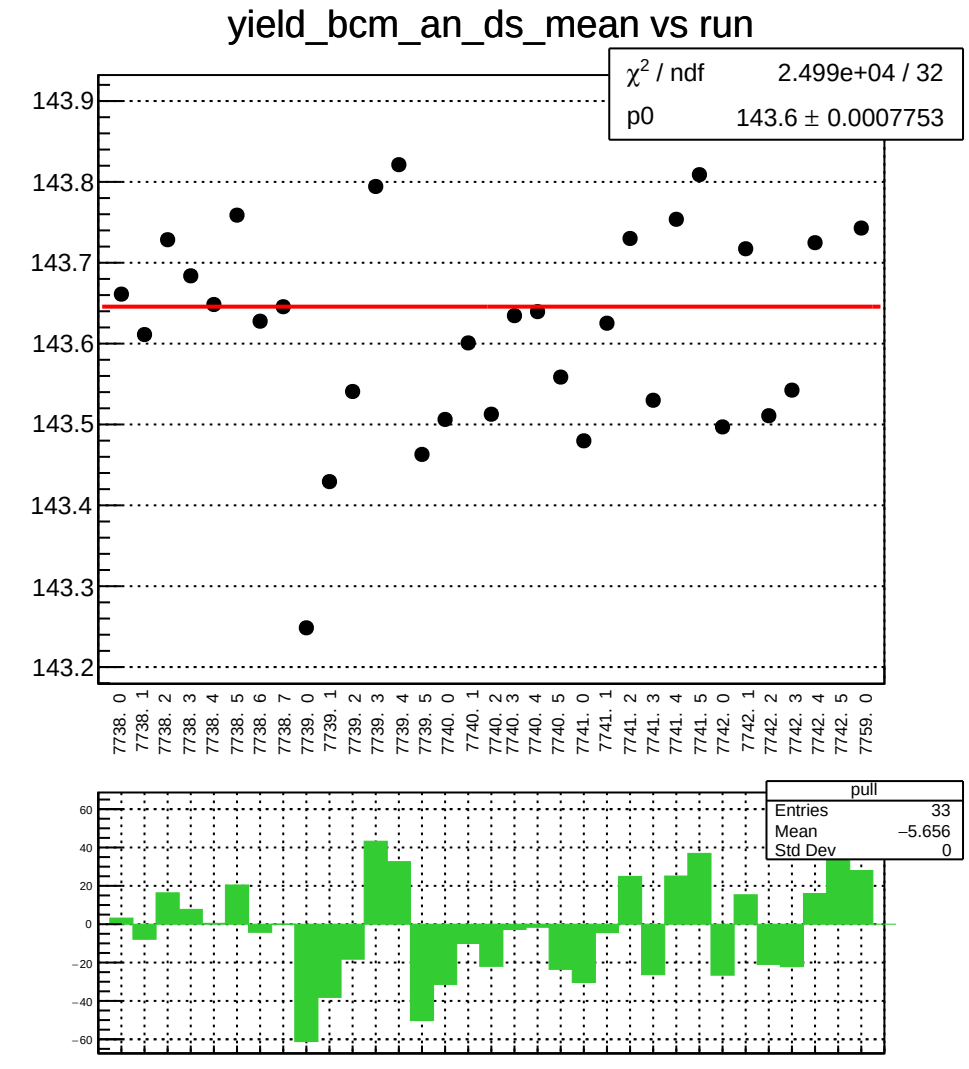

yield_bcm_target_mean vs run
χ² / ndf 2.909e+04 / 32
p0 143.4 ± 0.0007744
143.7
143.6
143.5
143.4
143.3
143.2
143.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.26
Std Dev 0
80
60
40
20
0
−20
−40
−60

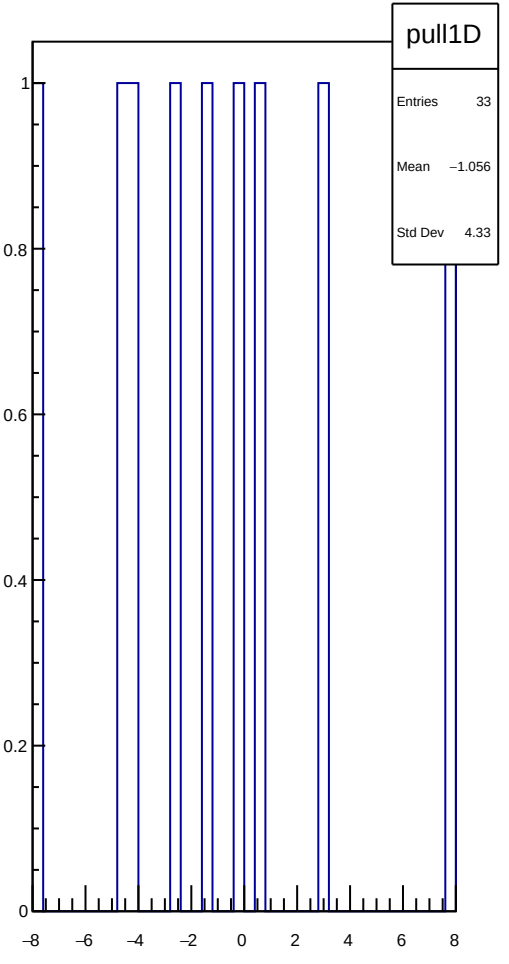

pull1D
Entries 33
Mean 2.322
Std Dev 3.816
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

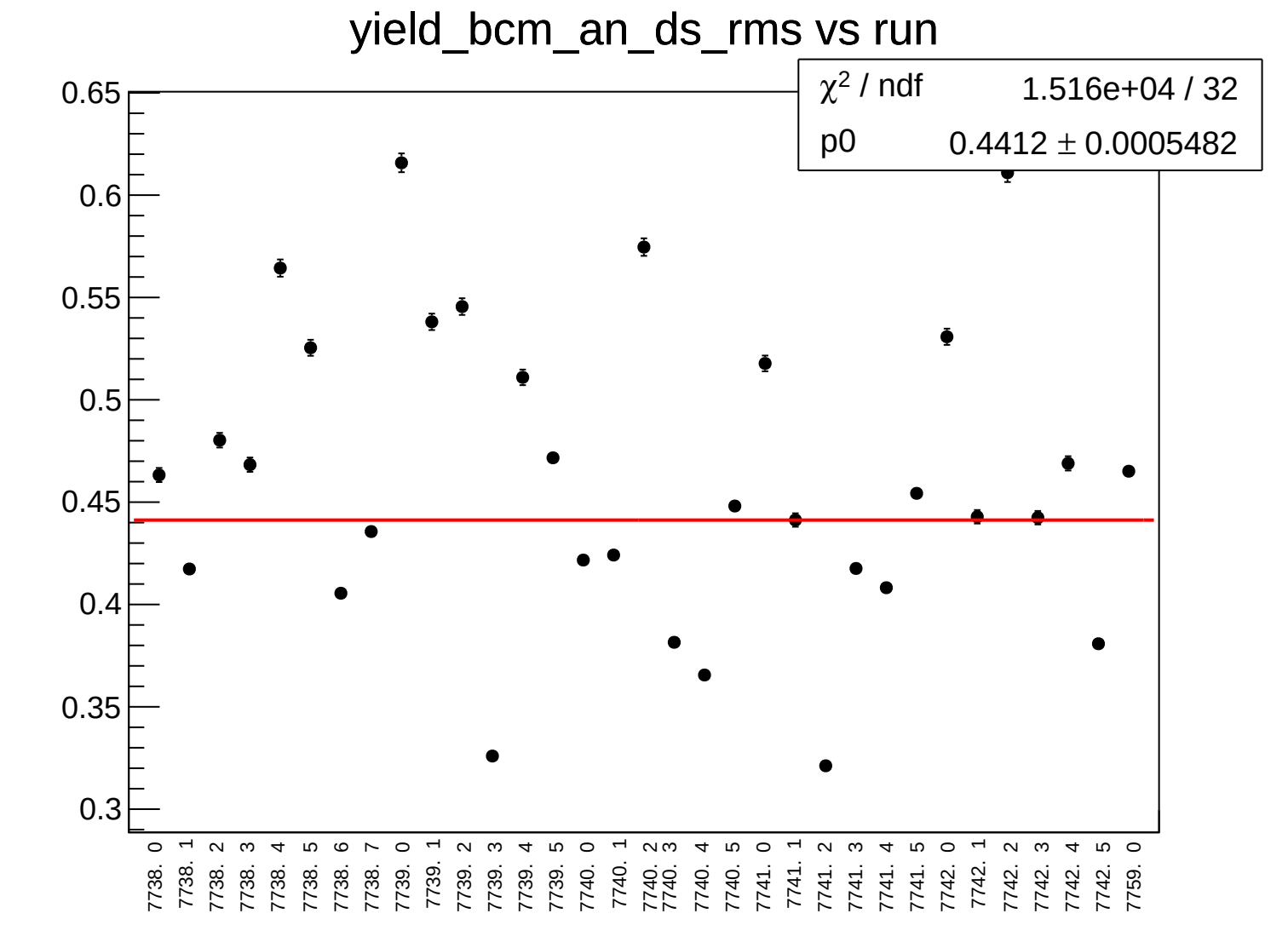

yield_bcm_target_rms vs run
χ² / ndf 1.508e+04 / 32
p0 0.4407 ± 0.0005476
0.6
0.55
0.5
0.45
0.4
0.35
0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

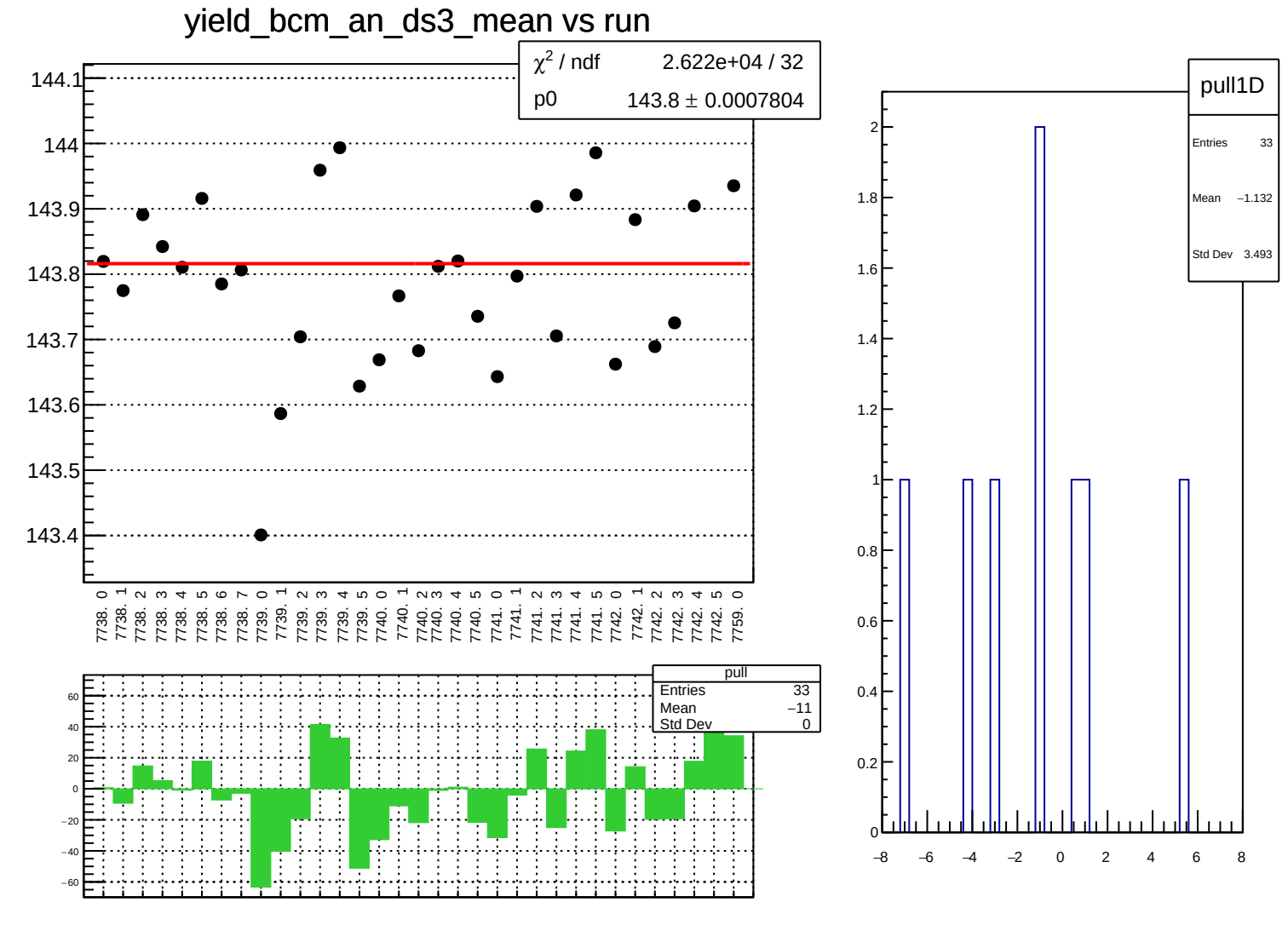

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 5.951e+06 / 32
p0 −9.909e+04 ± 9.357
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −34.72
Std Dev 0
2000
1500
1000
500
0
−500
pull1D
Entries 33
Mean −0.4156
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

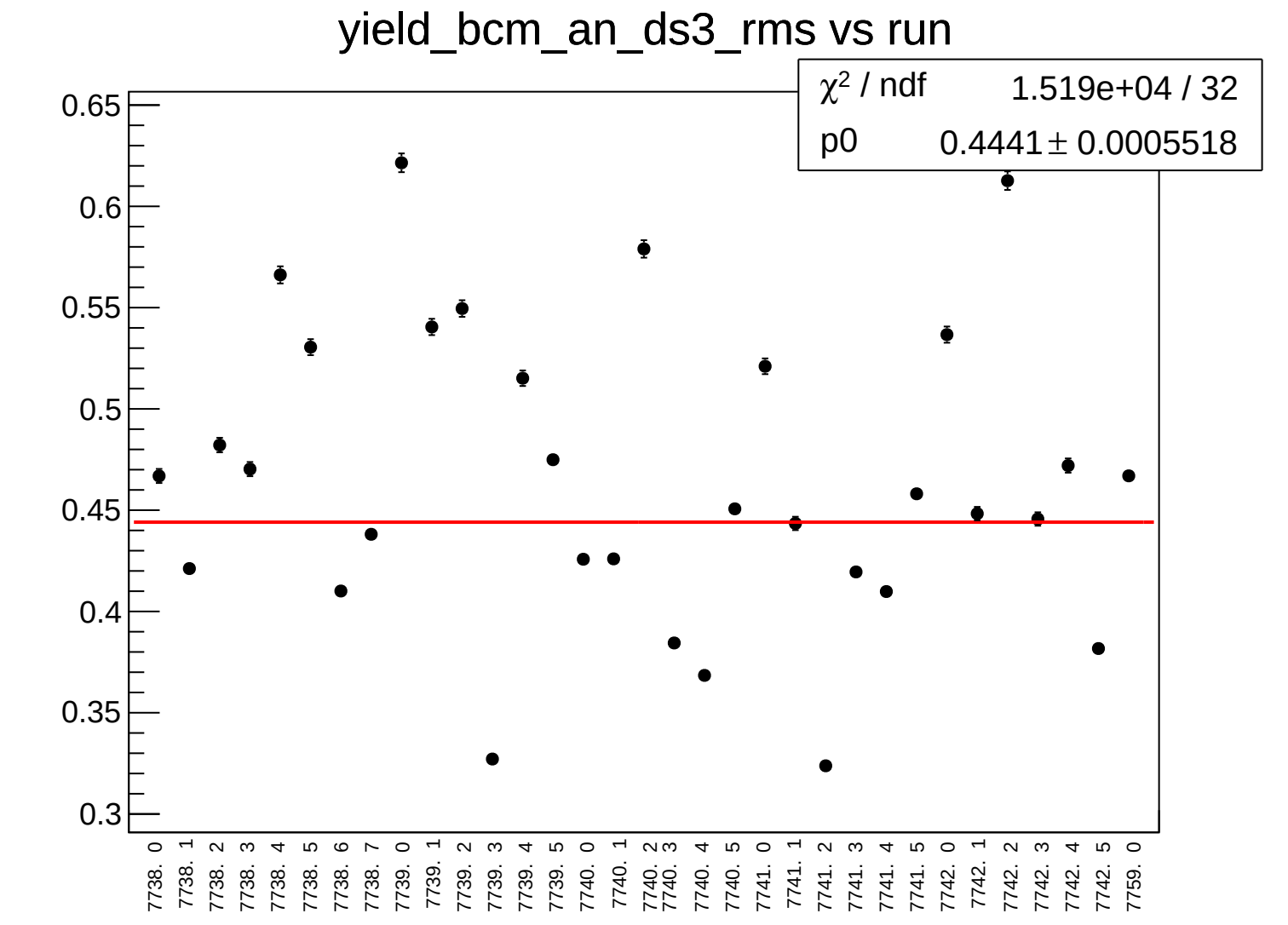

yield_bcm_an_diff_rms vs run
χ² / ndf 4.663e+04 / 32
p0 5194 ± 6.617
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

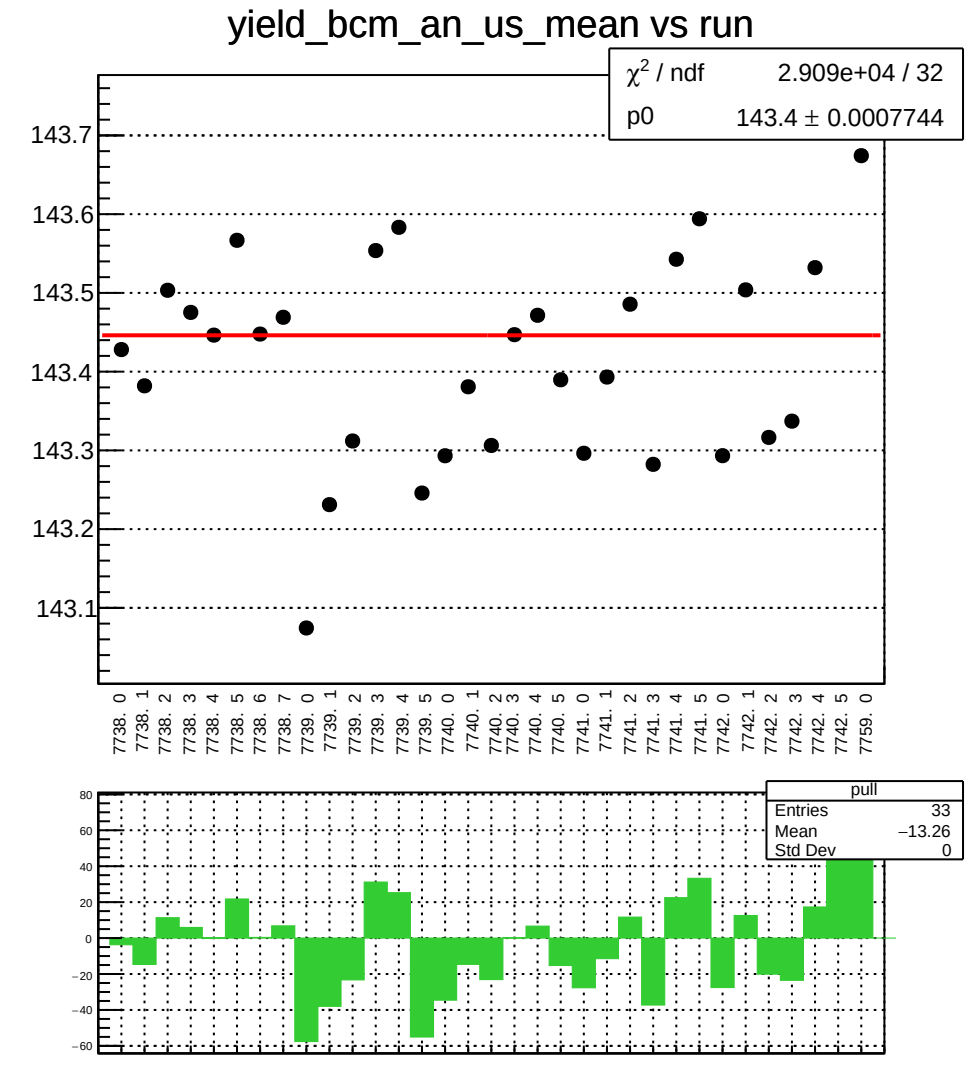

yield_bcm_an_ds_mean vs run
χ² / ndf 2.499e+04 / 32
p0 143.6 ± 0.0007753
143.9
143.8
143.7
143.6
143.5
143.4
143.3
143.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −5.656
Std Dev 0
60
40
20
0
−20
−40
−60

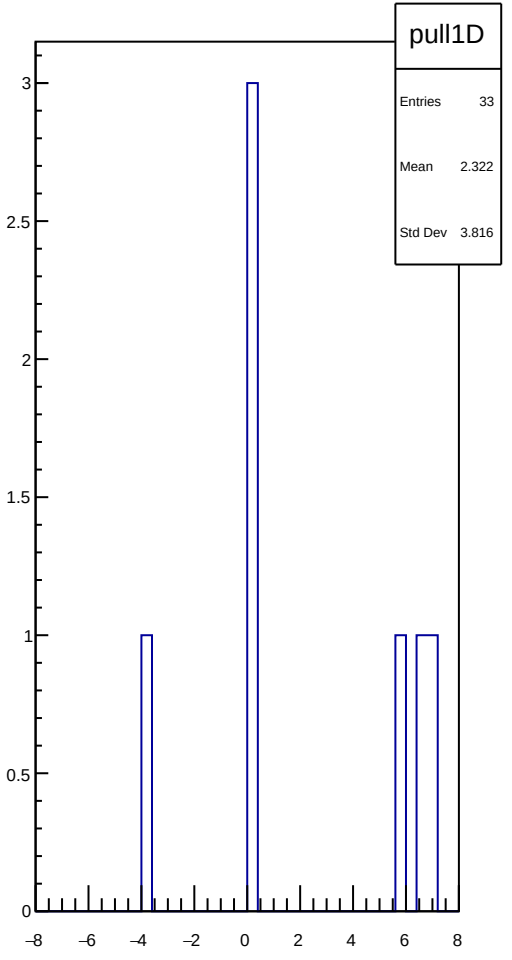

pull1D
Entries 33
Mean −1.056
Std Dev 4.33
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

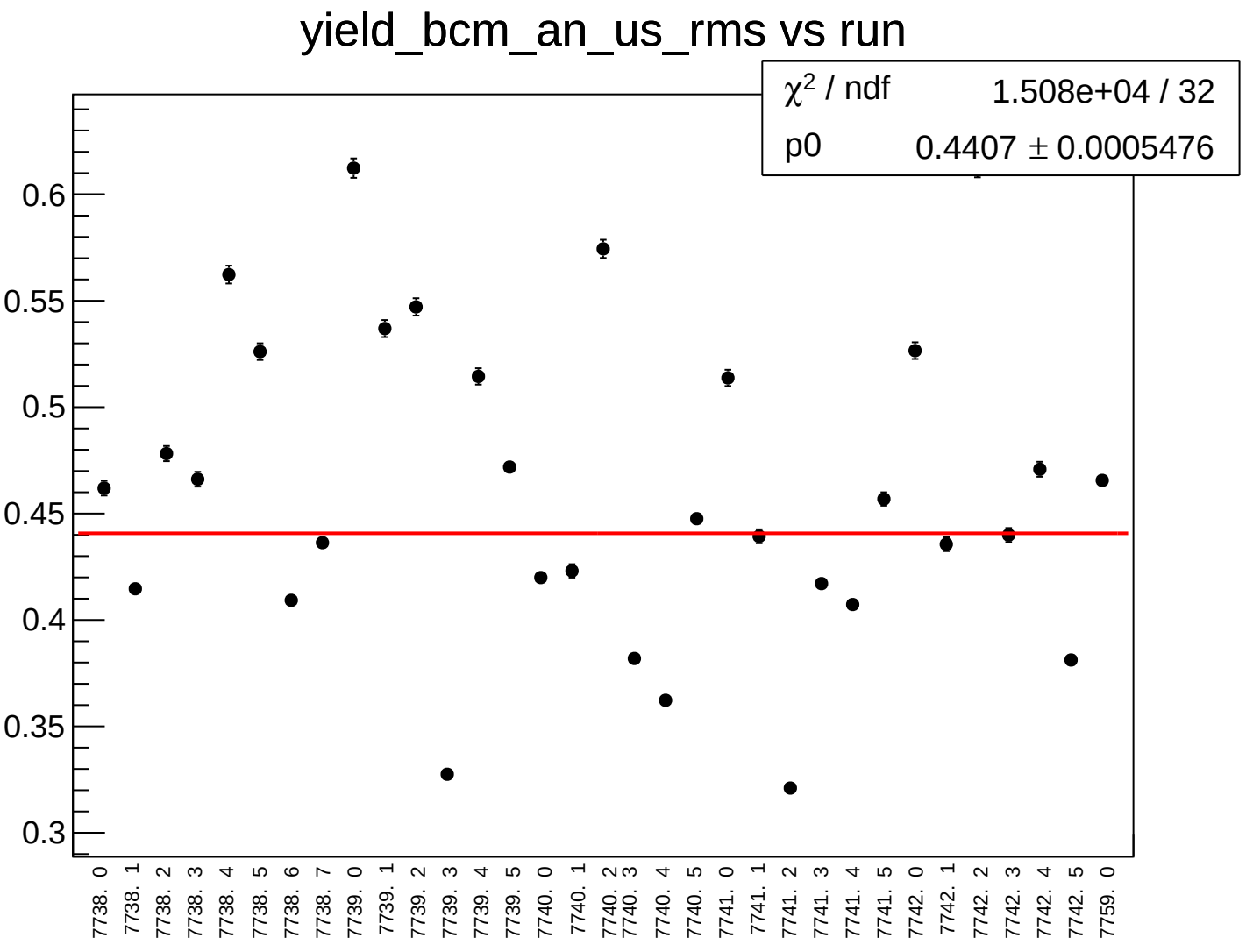

yield_bcm_an_ds_rms vs run
χ² / ndf 1.516e+04 / 32
p0 0.4412 ± 0.0005482
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

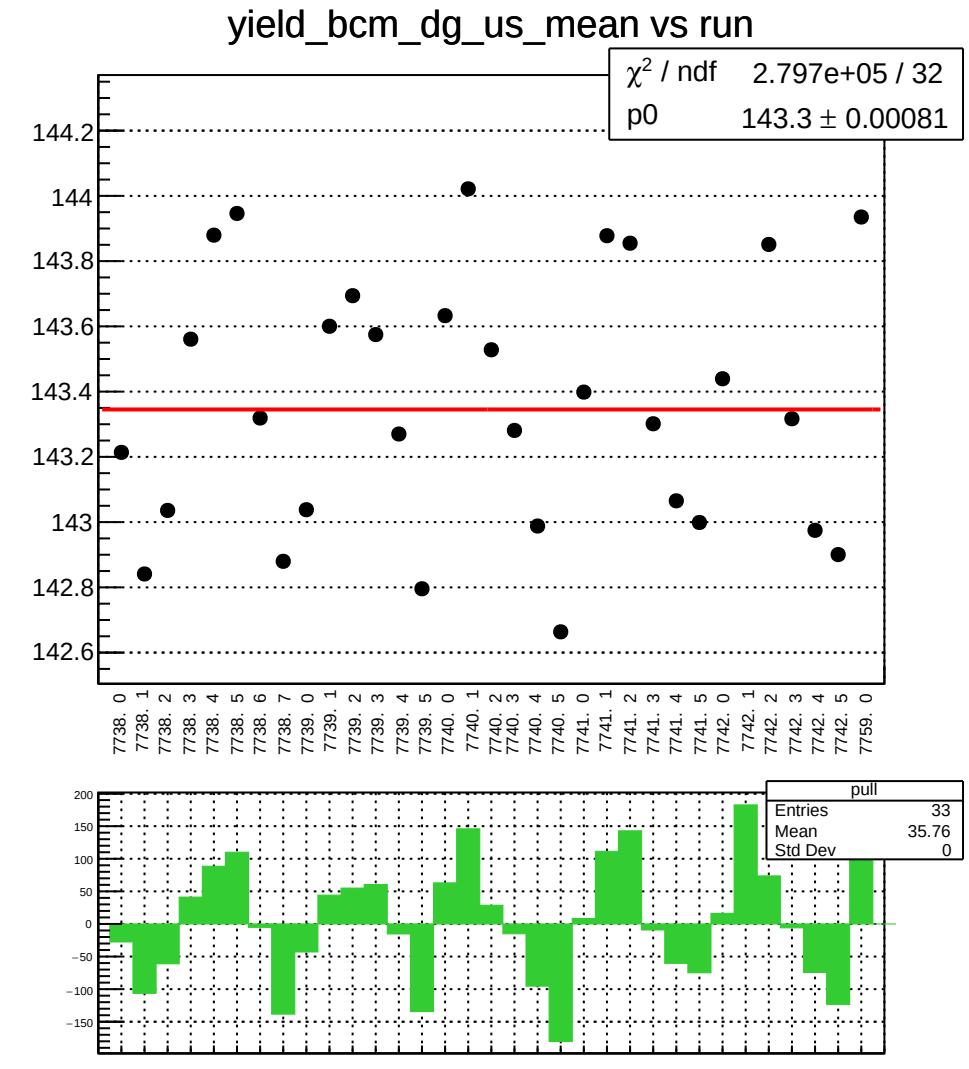

yield_bcm_an_ds3_mean vs run
χ² / ndf 2.622e+04 / 32
p0 143.8 ± 0.0007804
144.1
144
143.9
143.8
143.7
143.6
143.5
143.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −11
Std Dev 0
60
40
20
0
−20
−40
−60
pull1D
Entries 33
Mean −1.132
Std Dev 3.493
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

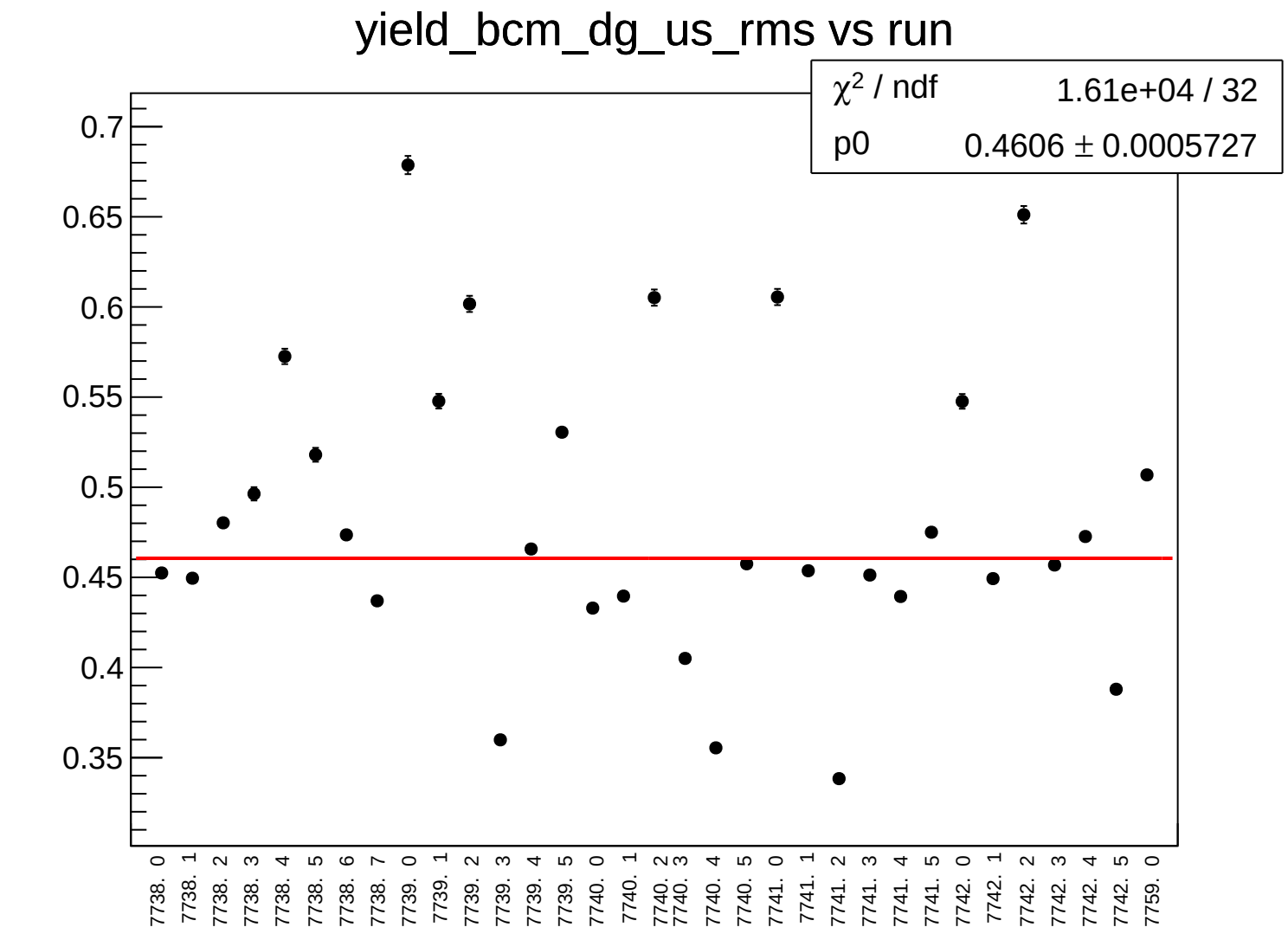

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.519e+04 / 32
p0 0.4441 ± 0.0005518
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

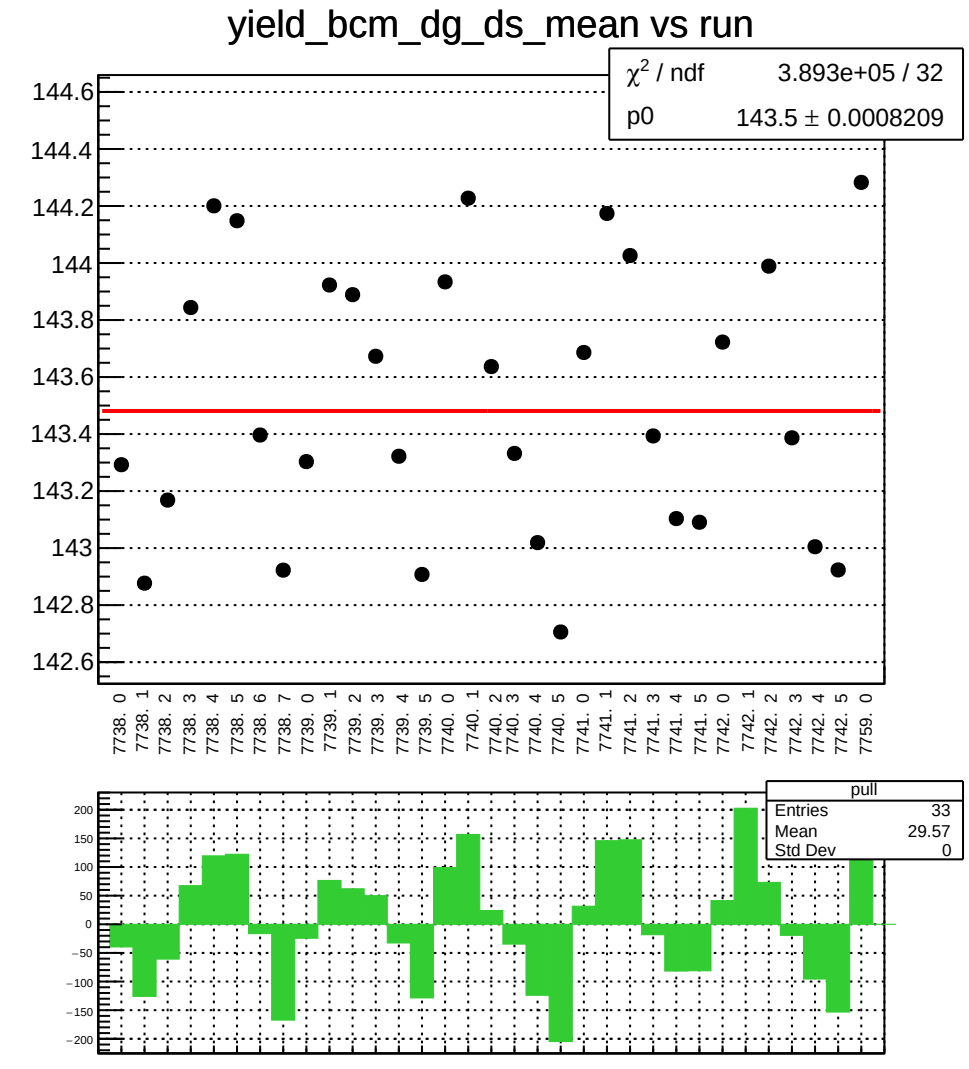

yield_bcm_an_us_mean vs run
χ² / ndf 2.909e+04 / 32
p0 143.4 ± 0.0007744
143.7
143.6
143.5
143.4
143.3
143.2
143.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.26
Std Dev 0
80
60
40
20
0
−20
−40
−60

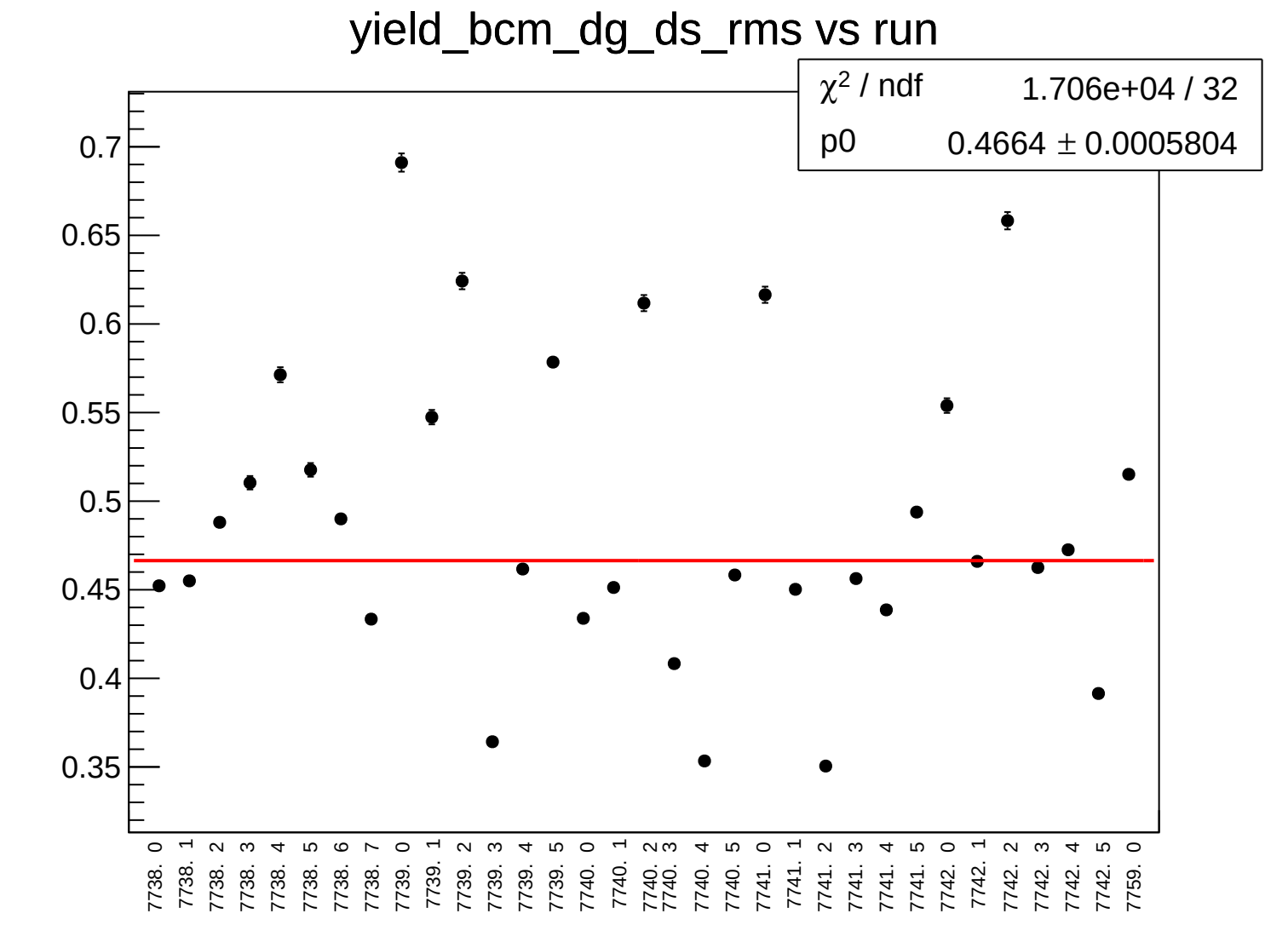

pull1D
Entries 33
Mean 2.322
Std Dev 3.816
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

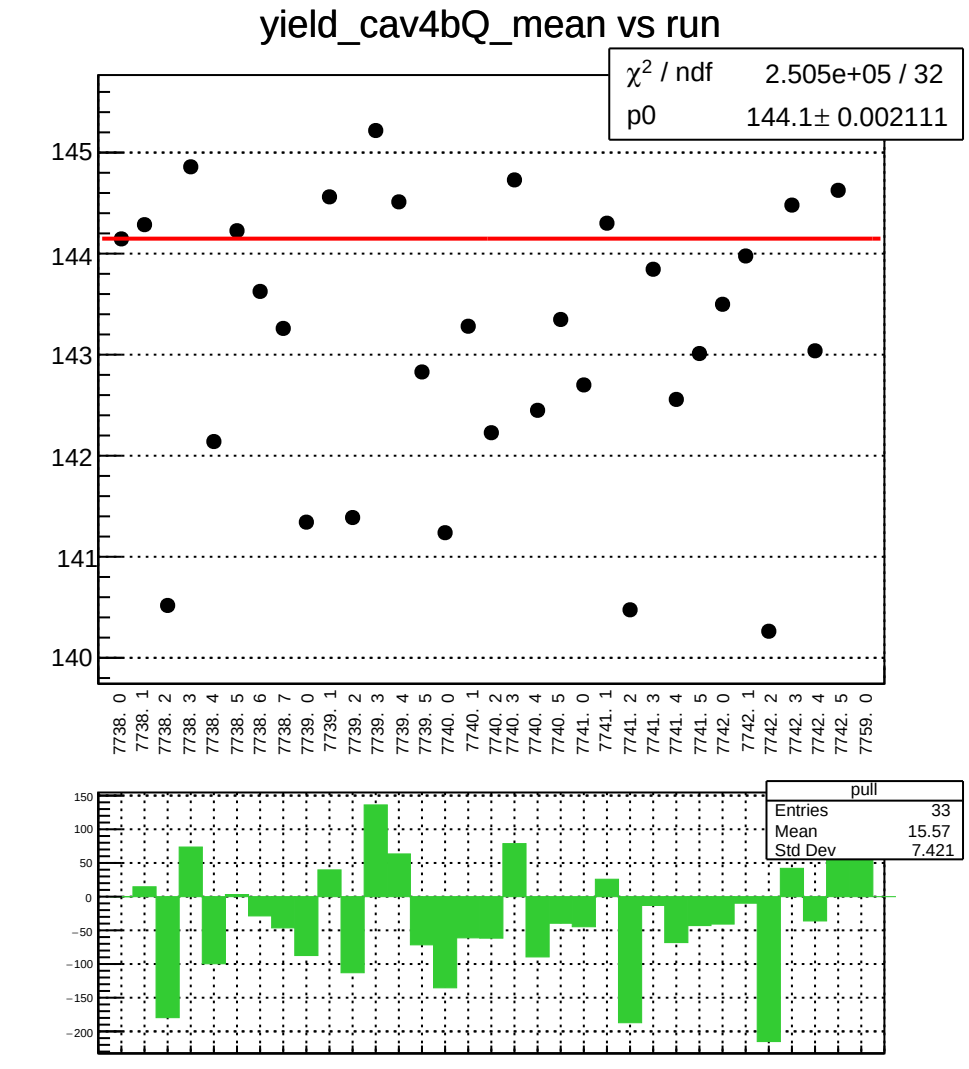

yield_bcm_an_us_rms vs run
χ² / ndf 1.508e+04 / 32
p0 0.4407 ± 0.0005476
0.6
0.55
0.5
0.45
0.4
0.35
0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

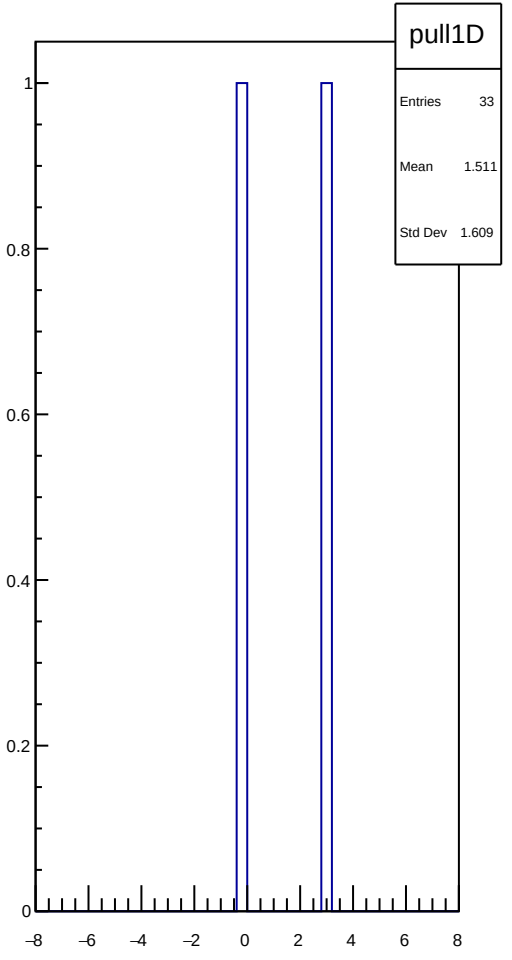

yield_bcm_dg_us_mean vs run
χ² / ndf 2.797e+05 / 32
p0 143.3 ± 0.00081
144.2
144
143.8
143.6
143.4
143.2
143
142.8
142.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 35.76
Std Dev 0
200
150
100
50
0
−50
−100
−150
pull1D
Entries 33
Mean −5.585
Std Dev 0.3386
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

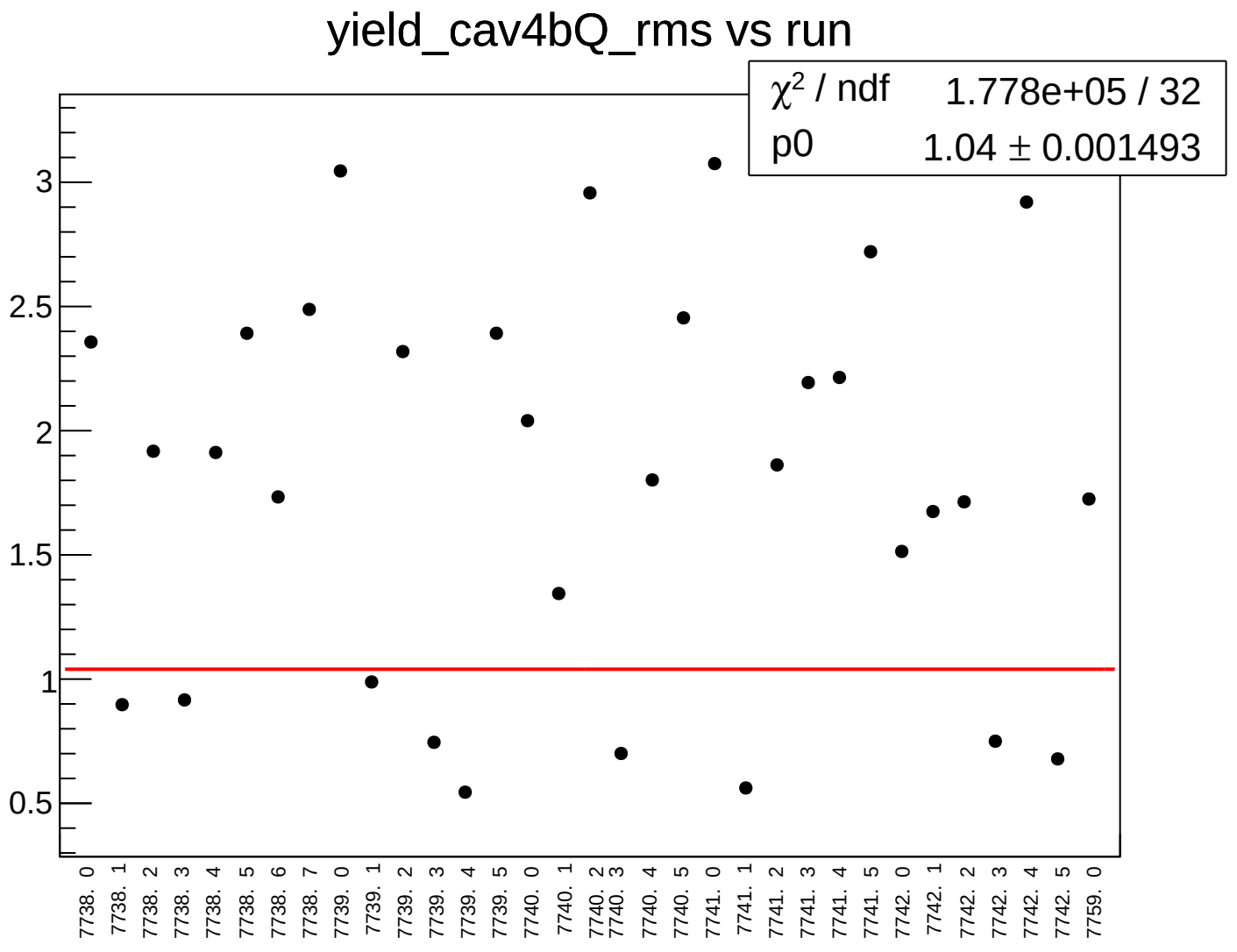

yield_bcm_dg_us_rms vs run
χ² / ndf 1.61e+04 / 32
p0 0.4606 ± 0.0005727
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

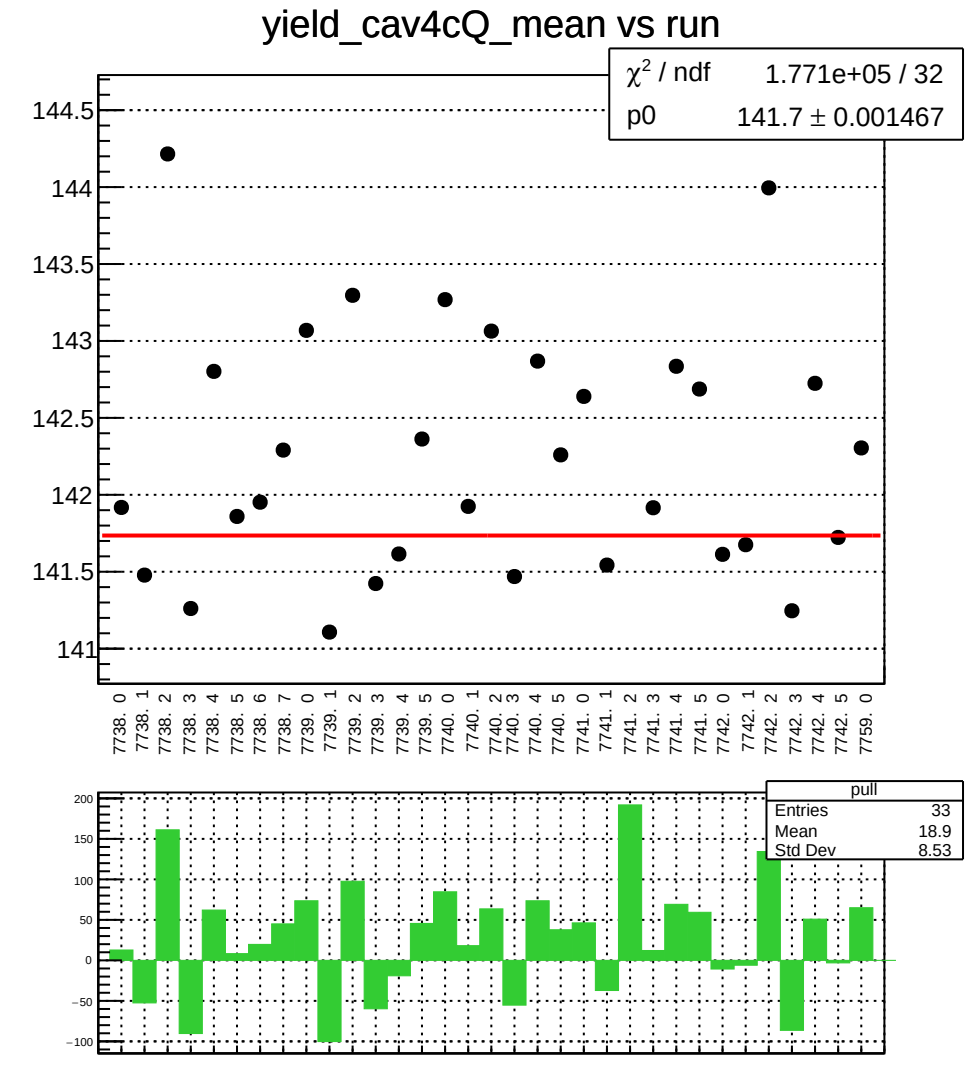

yield_bcm_dg_ds_mean vs run
χ² / ndf 3.893e+05 / 32
p0 143.5 ± 0.0008209
144.6
144.4
144.2
144
143.8
143.6
143.4
143.2
143
142.8
142.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.57
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

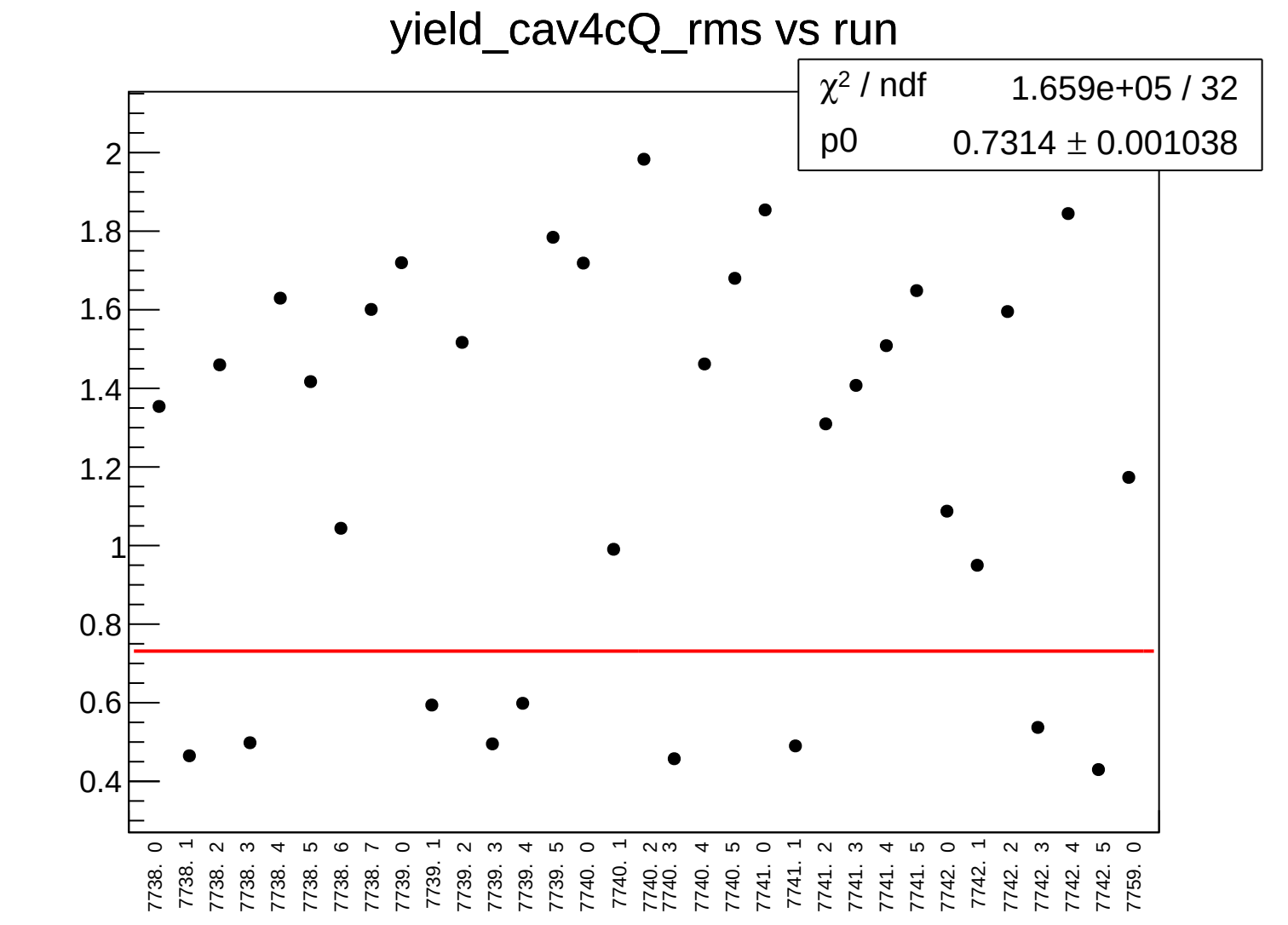

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.706e+04 / 32
p0 0.4664 ± 0.0005804
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

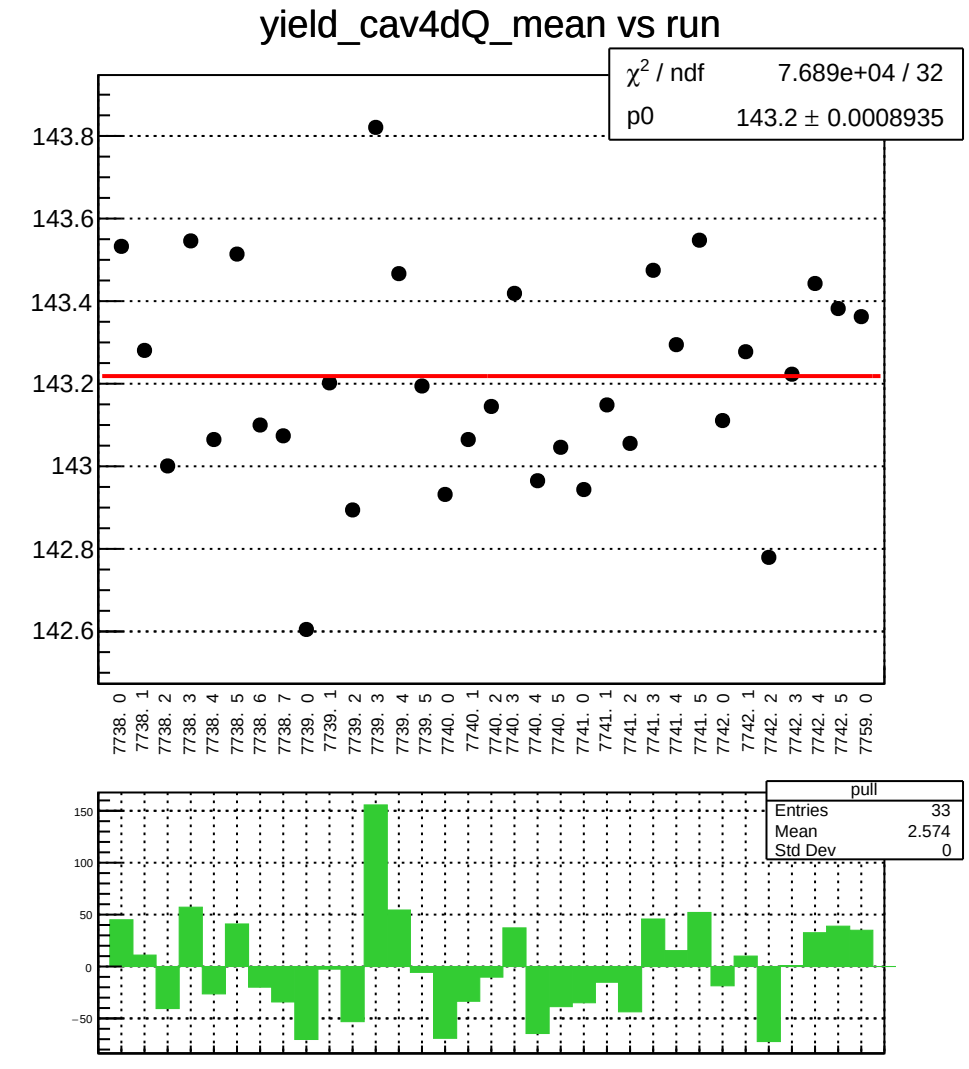

yield_cav4bQ_mean vs run
χ² / ndf 2.505e+05 / 32
p0 144.1± 0.002111
145
144
143
142
141
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.57
Std Dev 7.421
150
100
50
0
−50
−100
−150
−200

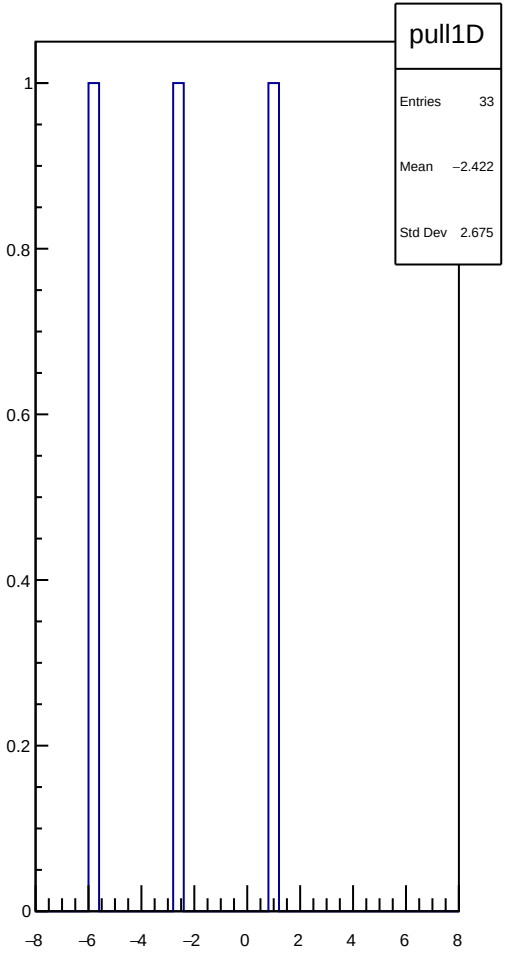

pull1D
Entries 33
Mean 1.511
Std Dev 1.609
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

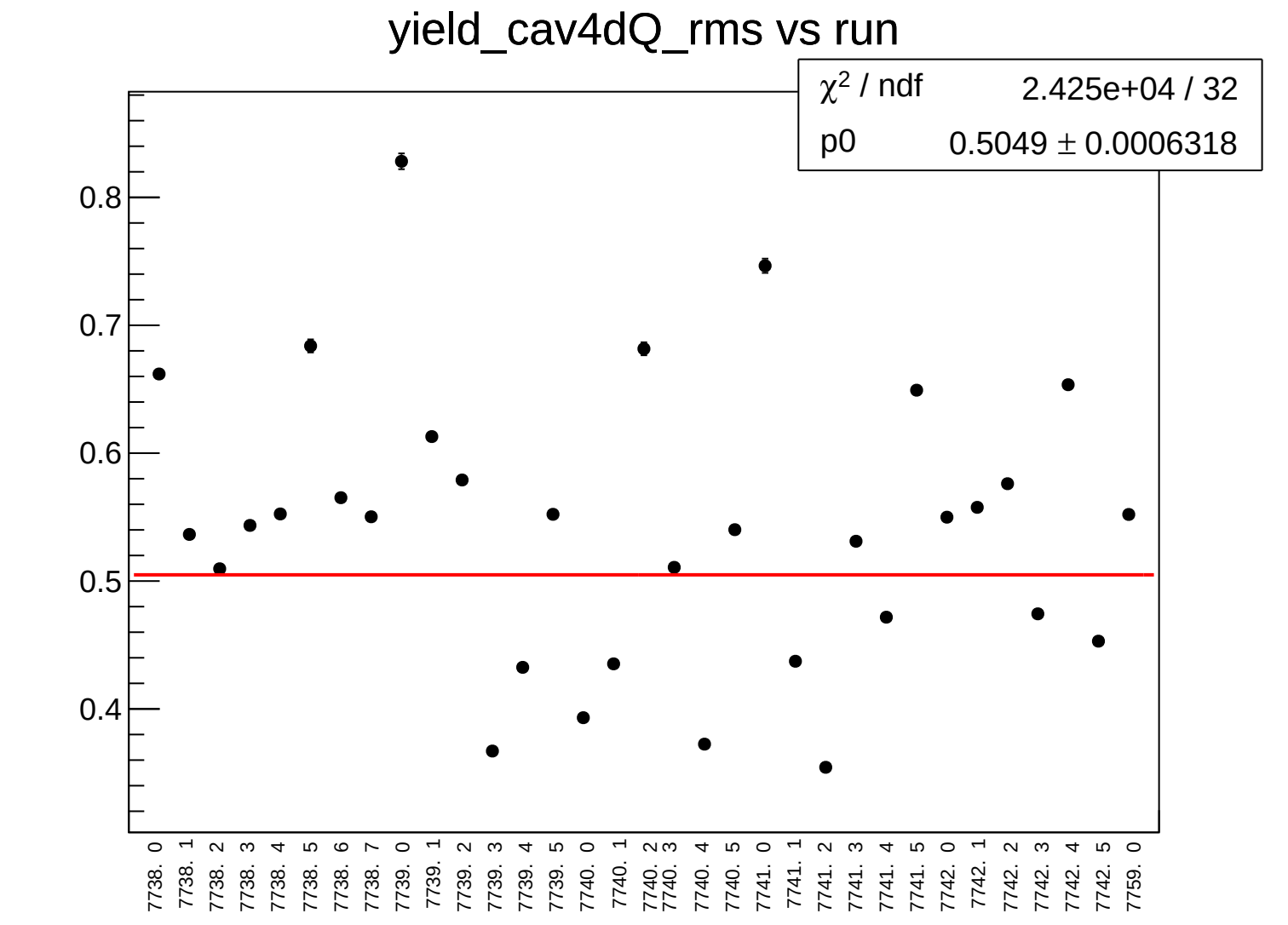

yield_cav4bQ_rms vs run
χ² / ndf 1.778e+05 / 32
p0 1.04 ± 0.001493
3
2.5
2
1.5
1
0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

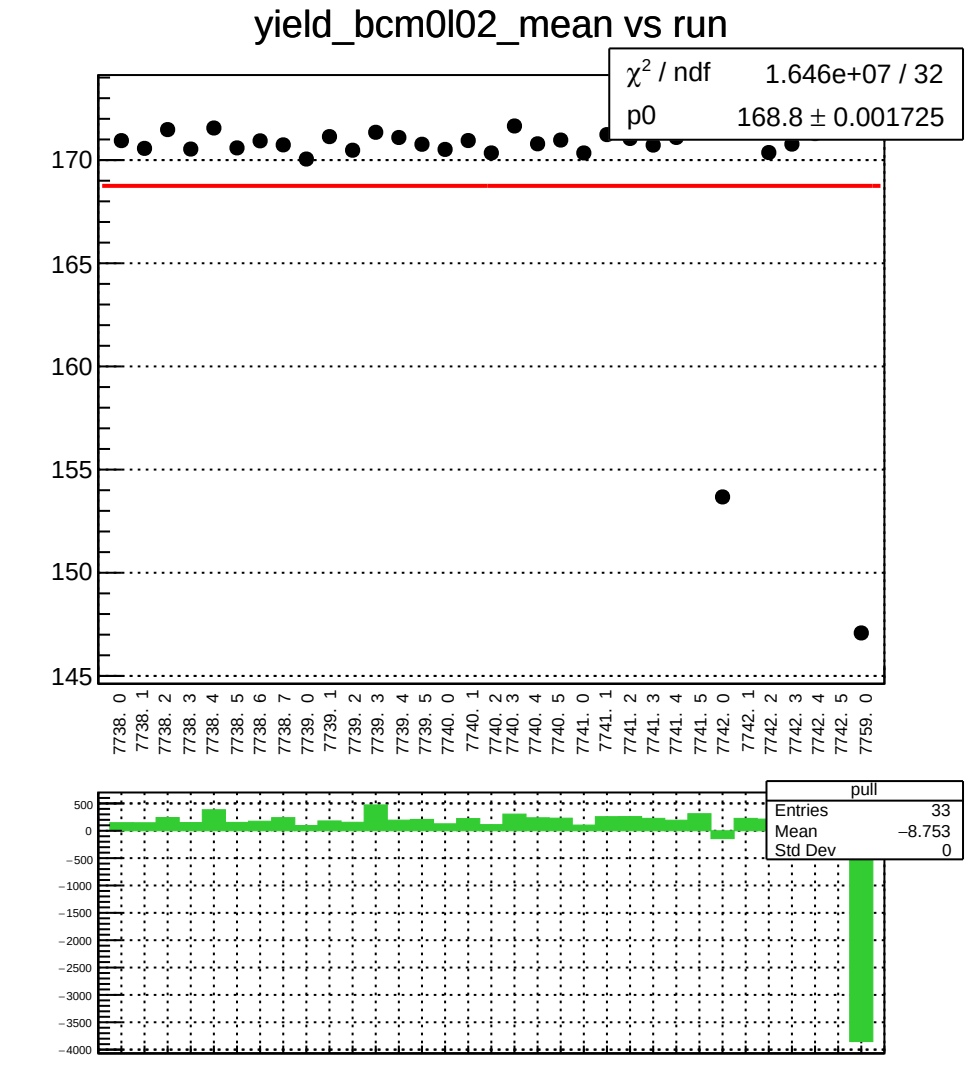

yield_cav4cQ_mean vs run
χ² / ndf 1.771e+05 / 32
p0 141.7 ± 0.001467
144.5
144
143.5
143
142.5
142
141.5
141
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.9
Std Dev 8.53
200
150
100
50
0
−50
−100
pull1D
Entries 33
Mean −4.518
Std Dev 1.447
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

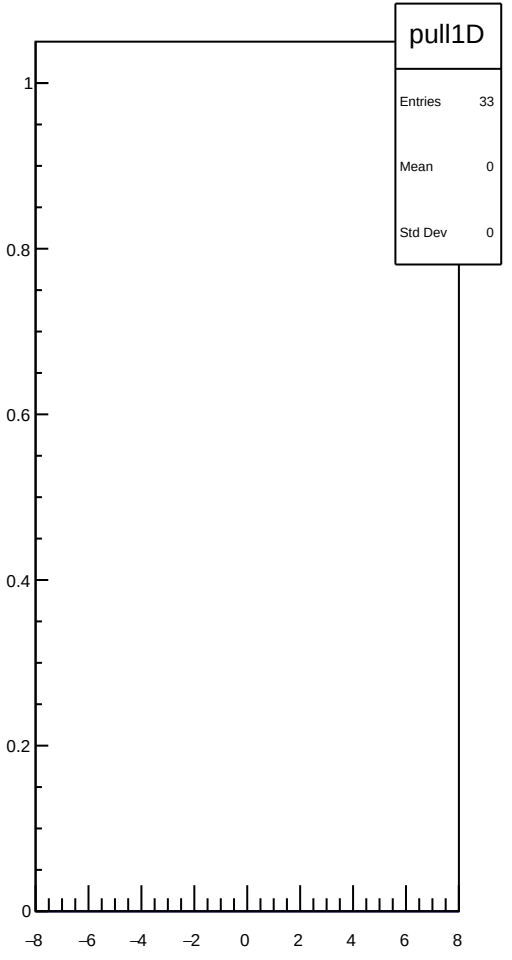

yield_cav4cQ_rms vs run
χ² / ndf 1.659e+05 / 32
p0 0.7314 ± 0.001038
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

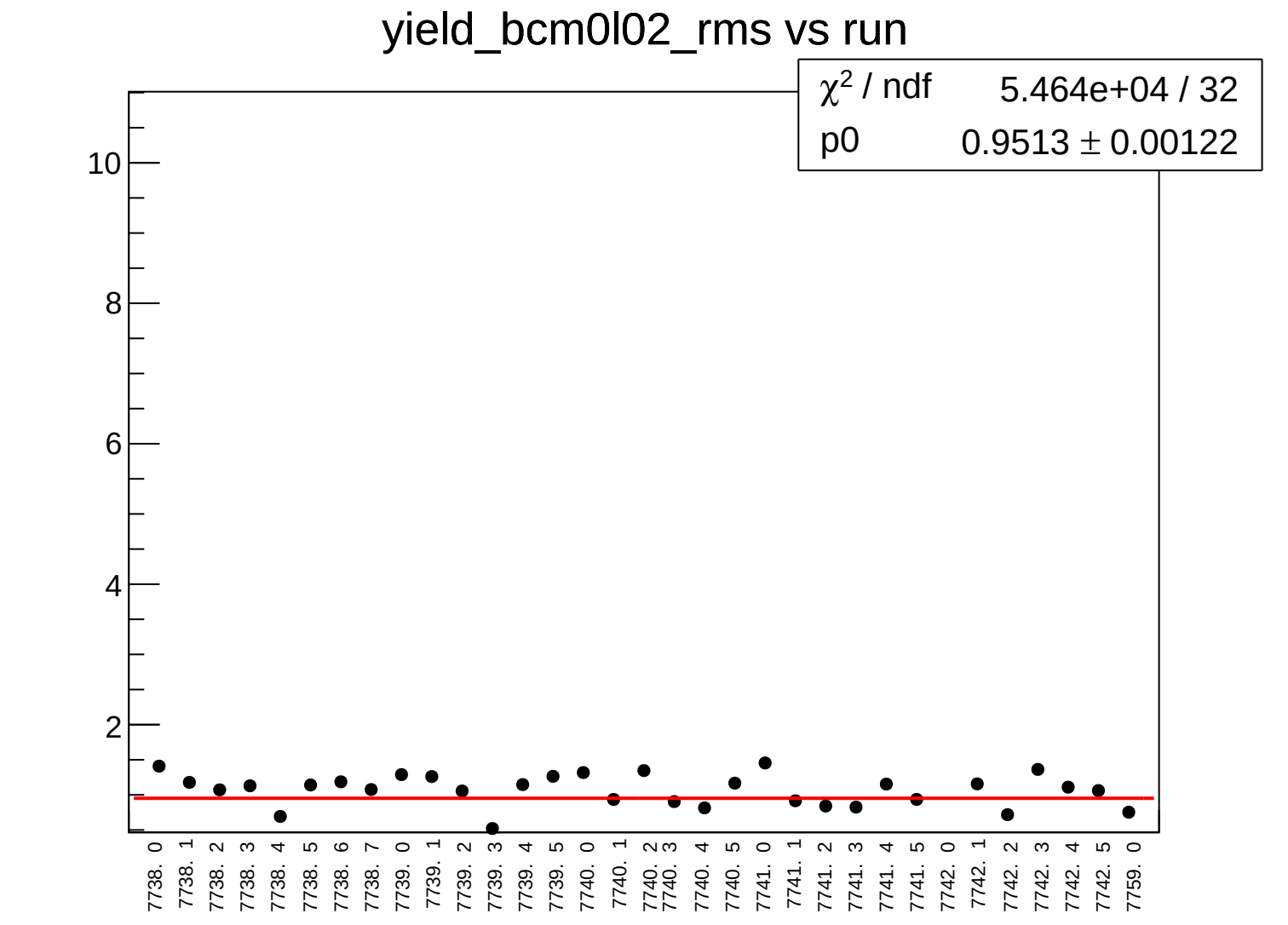

yield_cav4dQ_mean vs run
χ² / ndf 7.689e+04 / 32
p0 143.2 ± 0.0008935
143.8
143.6
143.4
143.2
143
142.8
142.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.574
Std Dev 0
150
100
50
0
−50

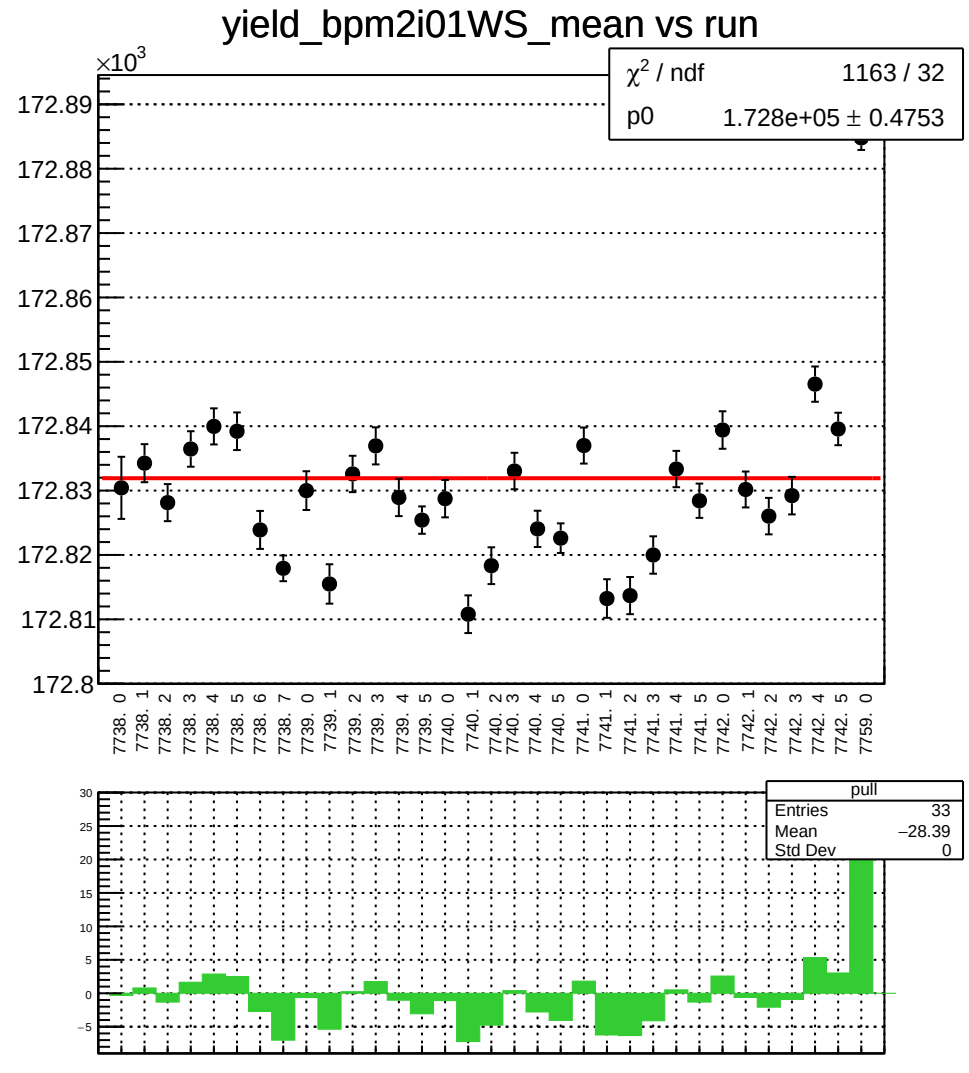

pull1D
Entries 33
Mean −2.422
Std Dev 2.675
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

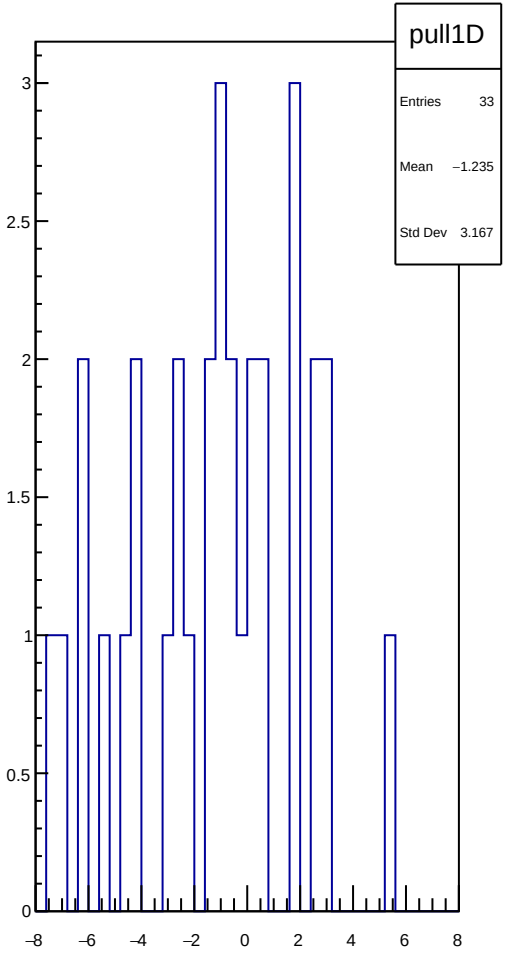

yield_cav4dQ_rms vs run
χ² / ndf 2.425e+04 / 32
p0 0.5049 ± 0.0006318
0.8
0.7
0.6
0.5
0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

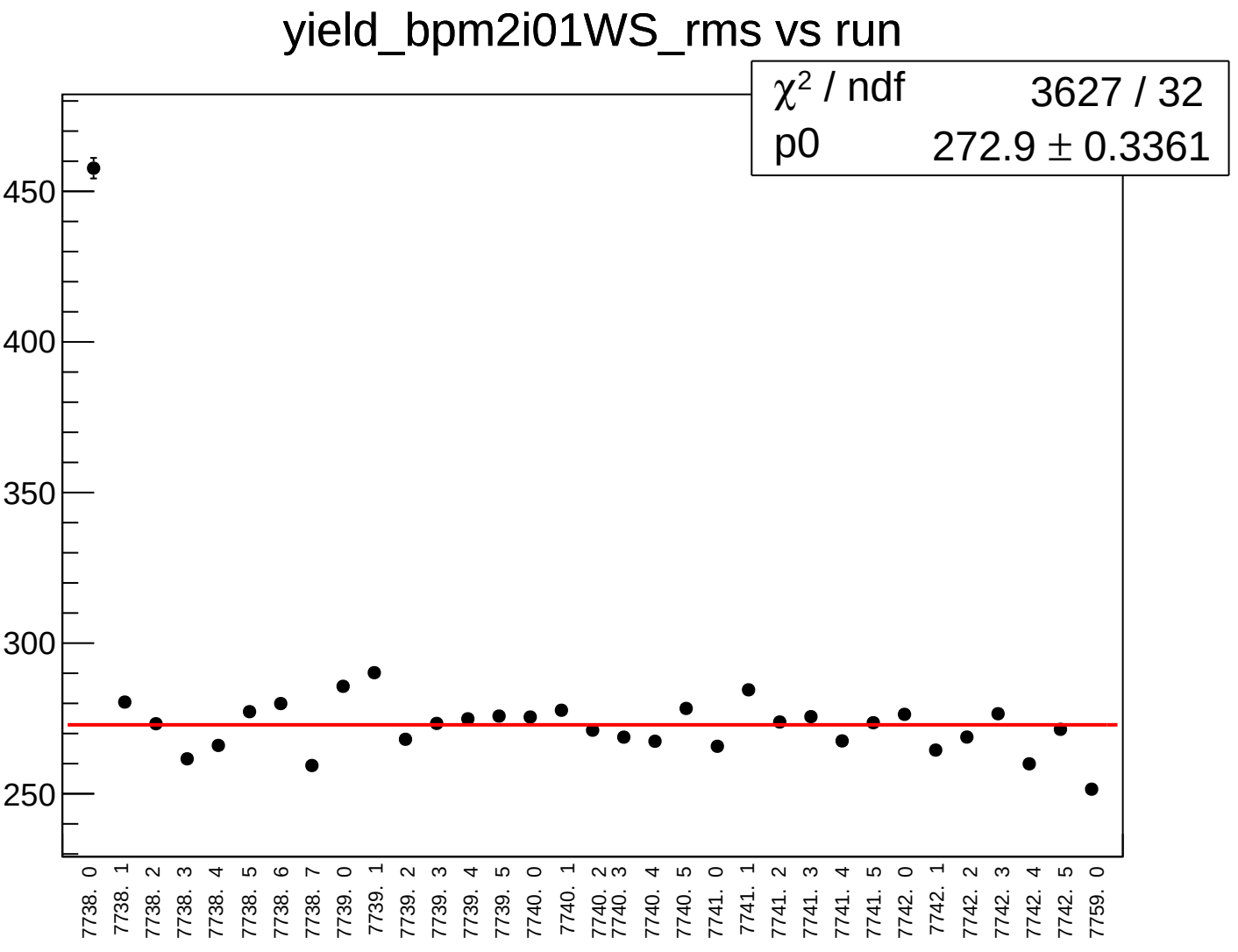

yield_bcm0l02_mean vs run
χ² / ndf 1.646e+07 / 32
p0 168.8 ± 0.001725
170
165
160
155
150
145
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.753
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

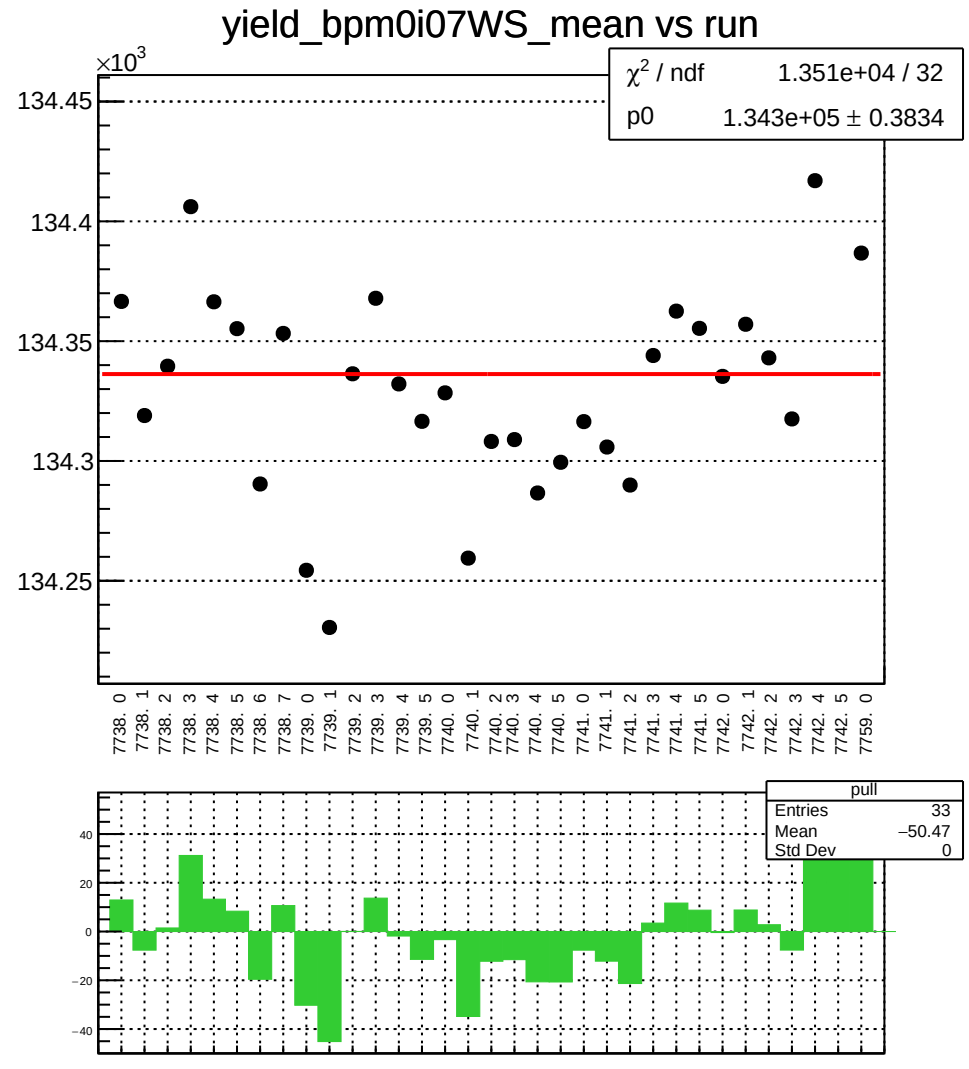

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

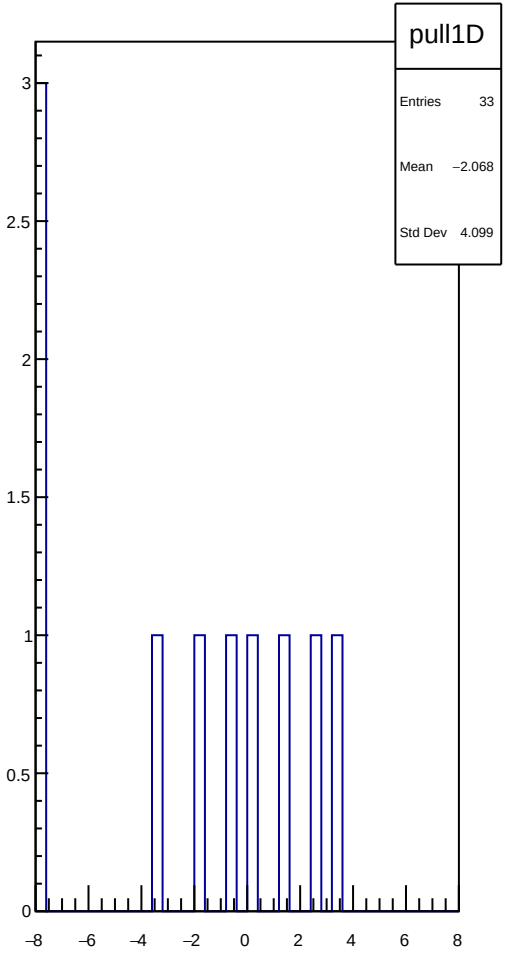

yield_bcm0l02_rms vs run
χ² / ndf 5.464e+04 / 32
p0 0.9513 ± 0.00122
10
8
6
4
2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

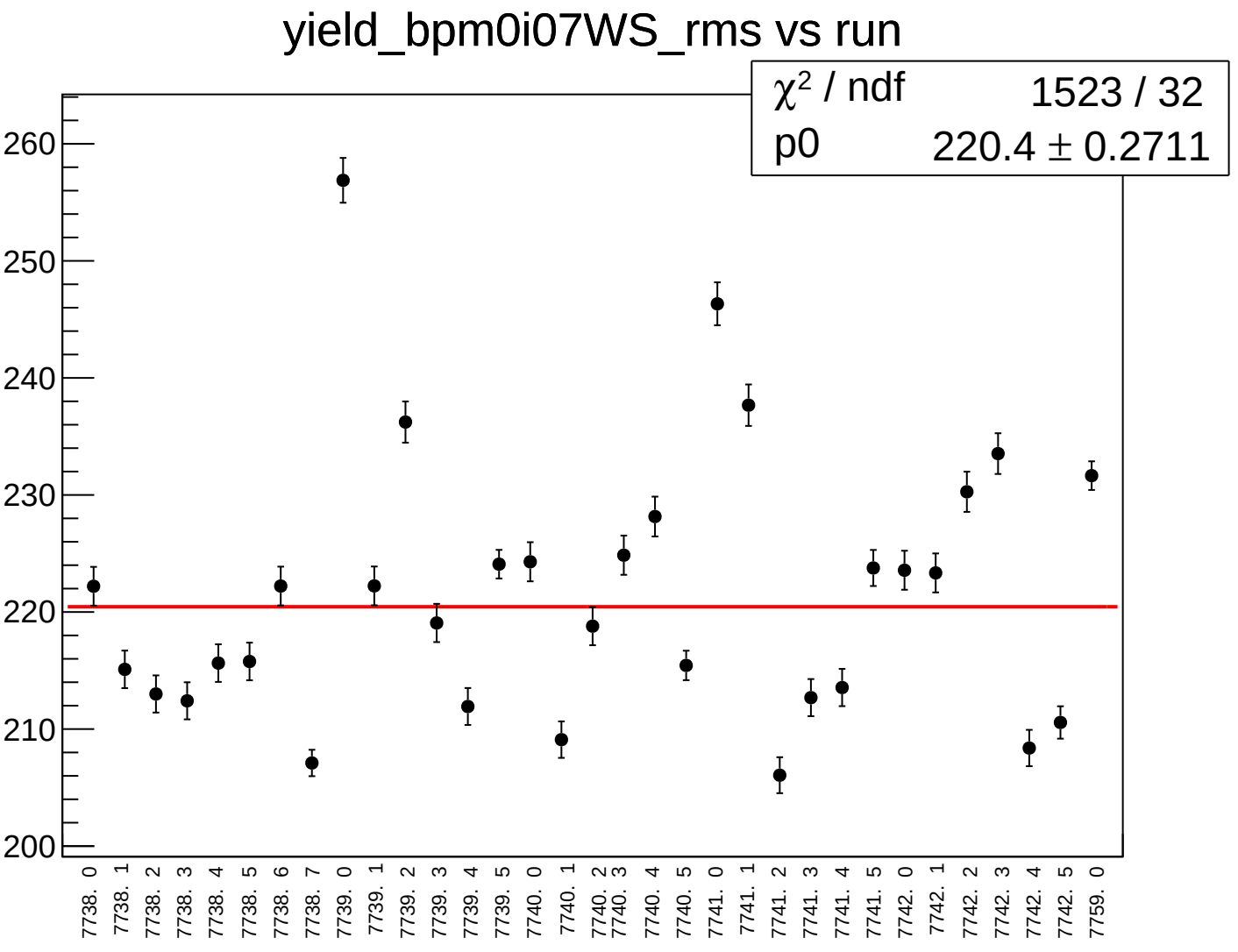

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1163 / 32
p0 1.728e+05 ± 0.4753
172.89
172.88
172.87
172.86
172.85
172.84
172.83
172.82
172.81
172.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.39
Std Dev 0
30
25
20
15
10
5
0
−5

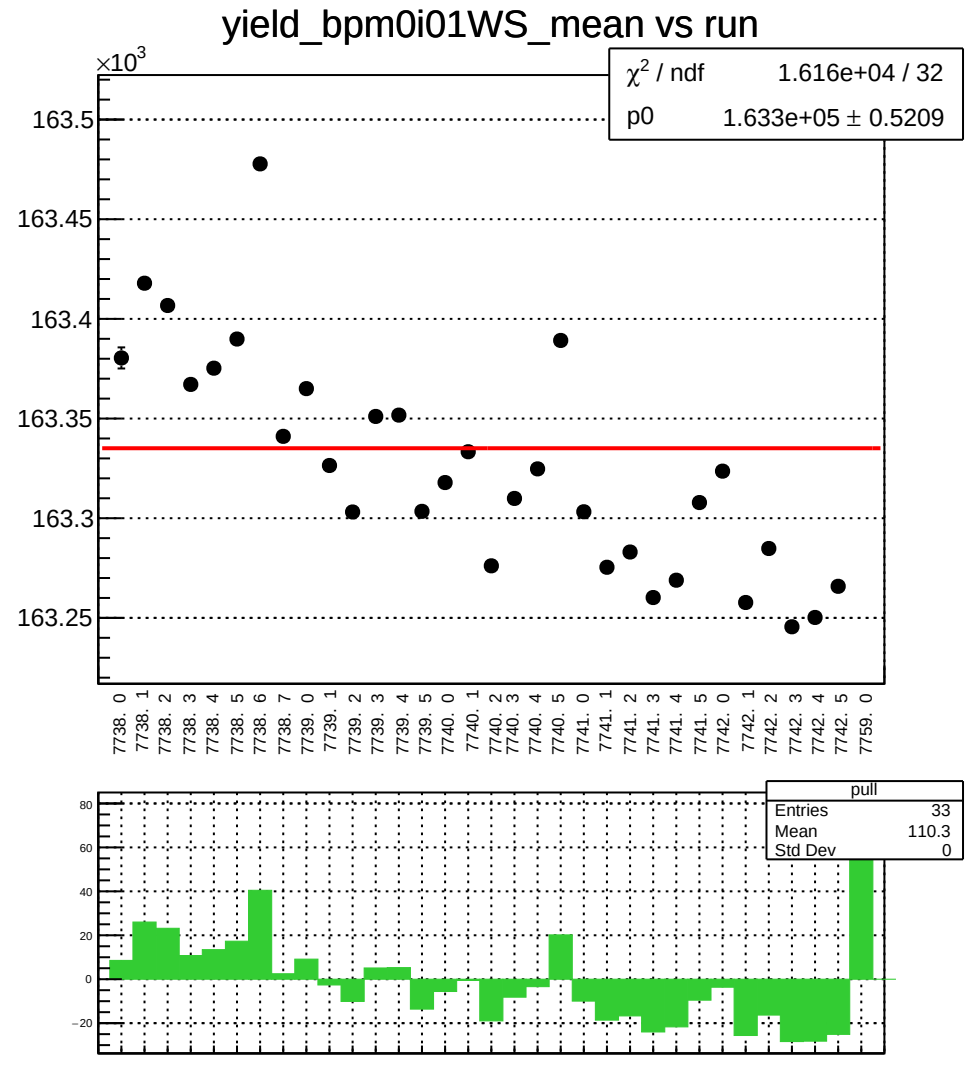

pull1D
Entries 33
Mean −1.235
Std Dev 3.167
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

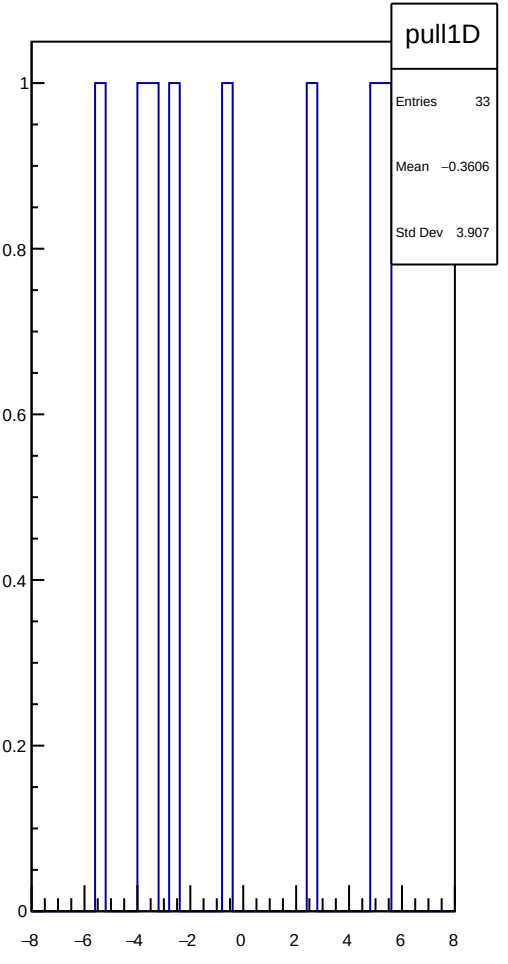

yield_bpm2i01WS_rms vs run
χ² / ndf 3627 / 32
p0 272.9 ± 0.3361
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

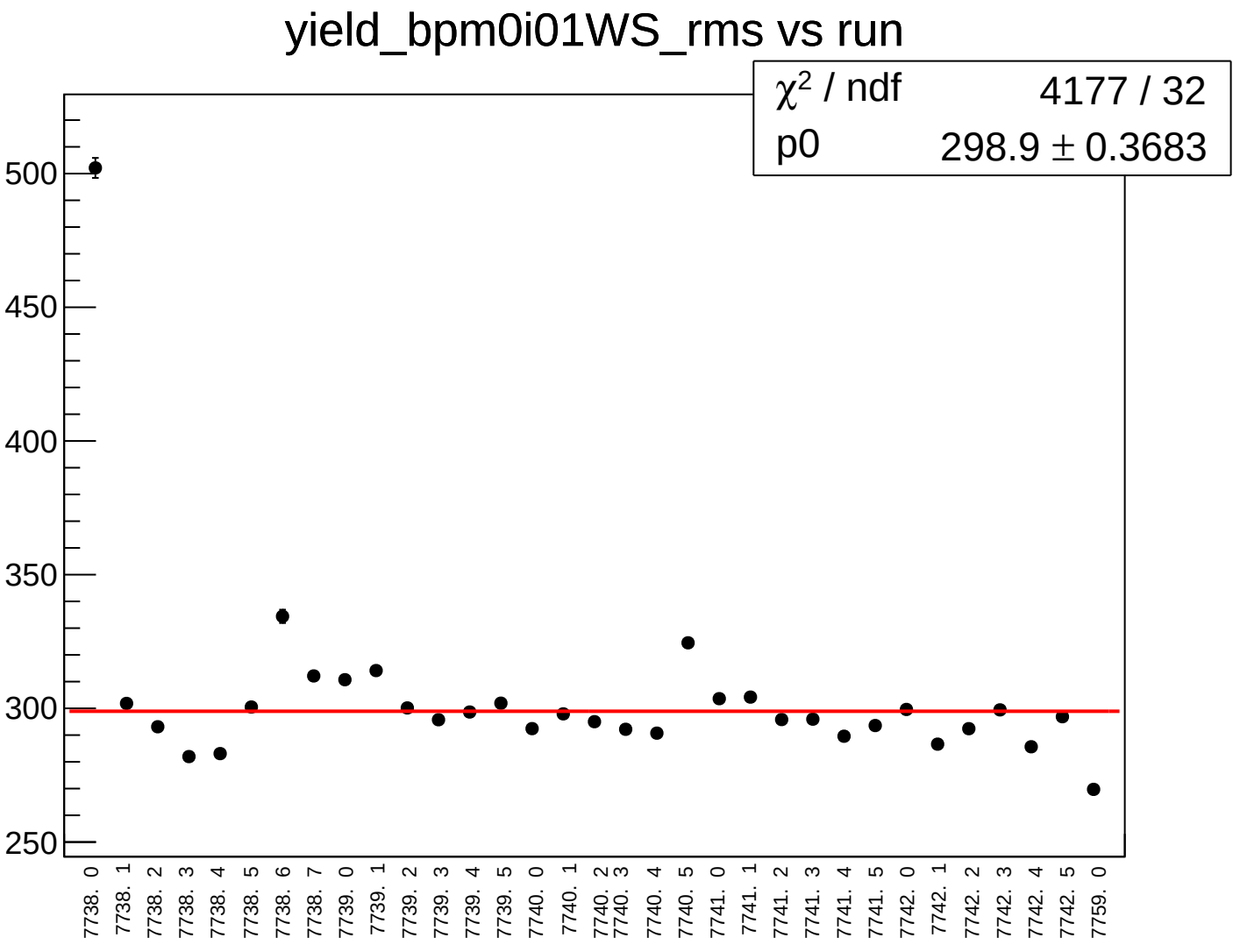

yield_bpm0i07WS_mean vs run
×10^3
χ^2 / ndf 1.351e+04 / 32
p0 1.343e+05 ± 0.3834
134.45
134.4
134.35
134.3
134.25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.47
Std Dev 0
40
20
0
−20
−40

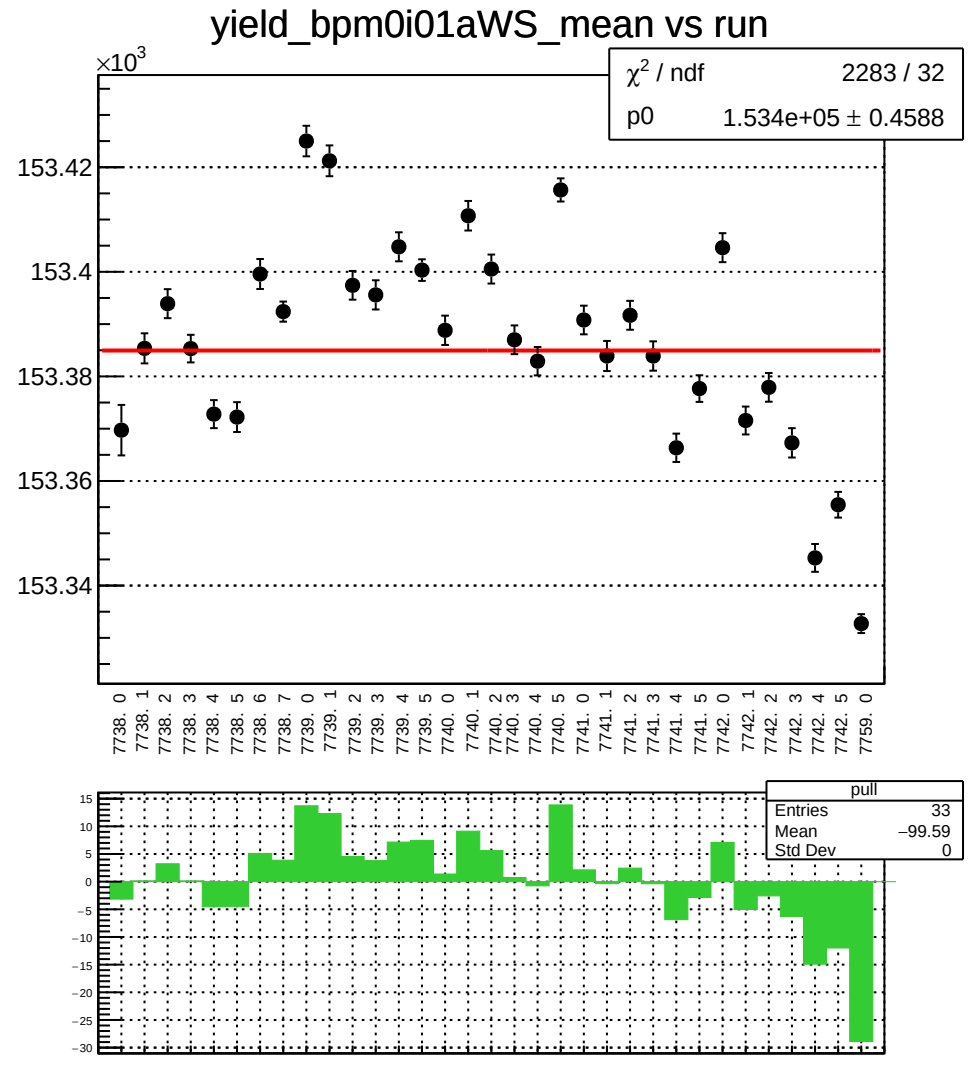

pull1D
Entries 33
Mean −2.068
Std Dev 4.099
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

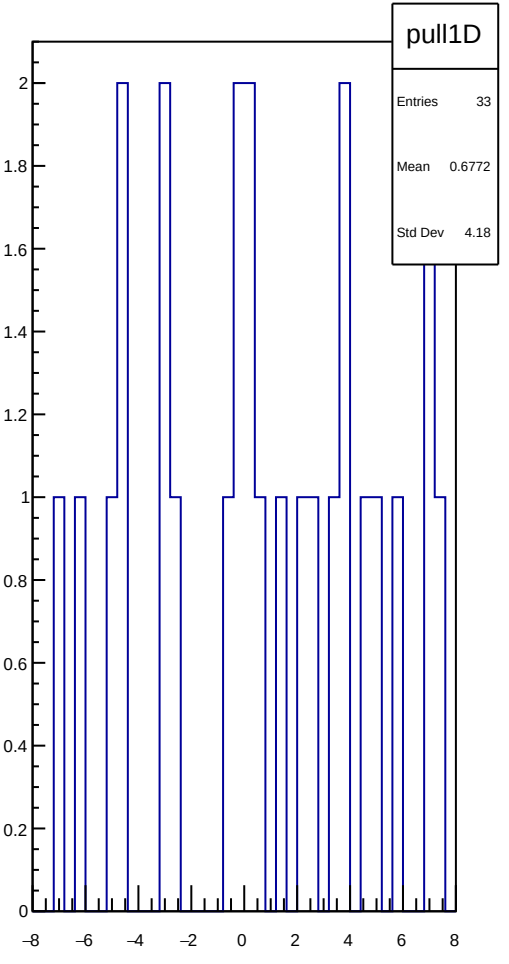

yield_bpm0i07WS_rms vs run
χ² / ndf 1523 / 32
p0 220.4 ± 0.2711
260
250
240
230
220
210
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

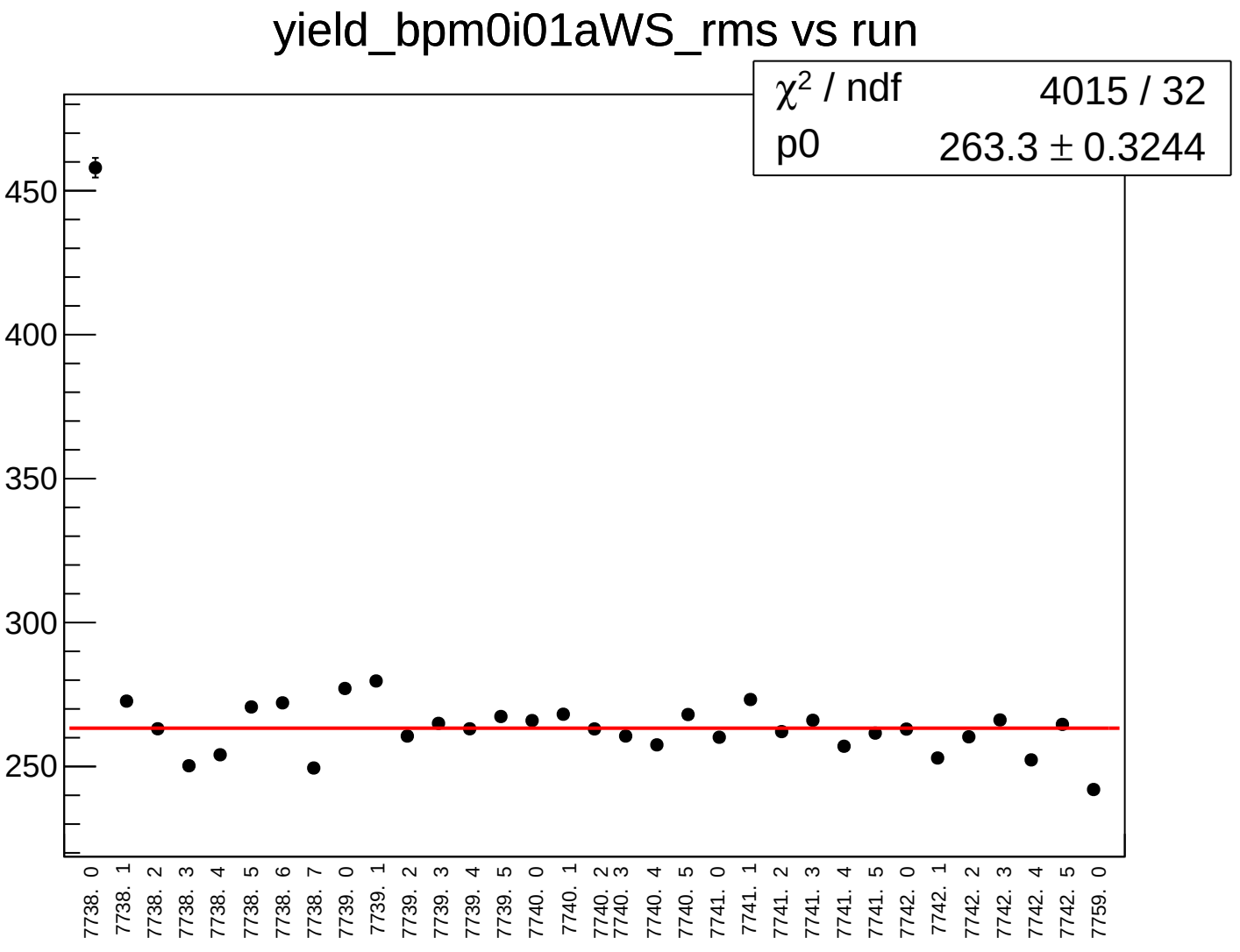

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 1.616e+04 / 32
p0 1.633e+05 ± 0.5209
163.5
163.45
163.4
163.35
163.3
163.25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 110.3
Std Dev 0
80
60
40
20
0
−20

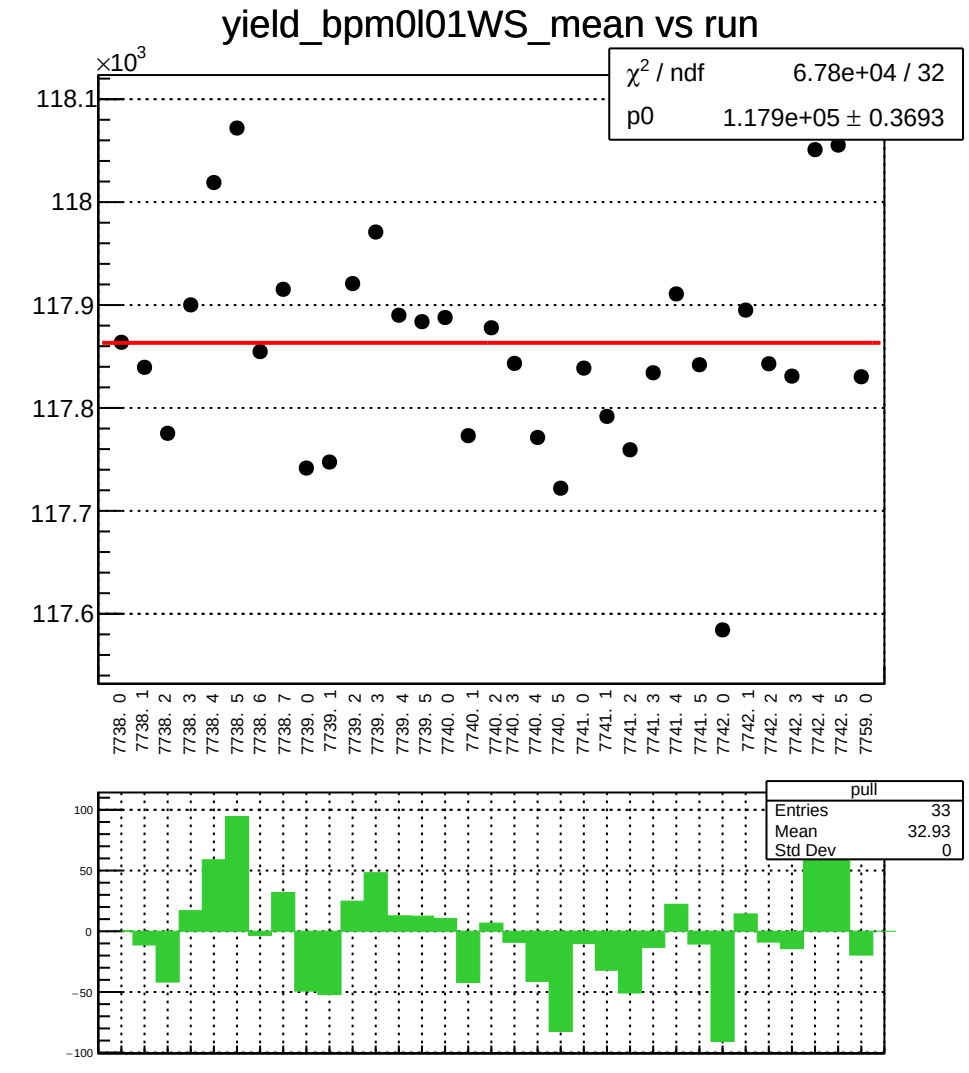

pull1D
Entries 33
Mean −0.3606
Std Dev 3.907
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

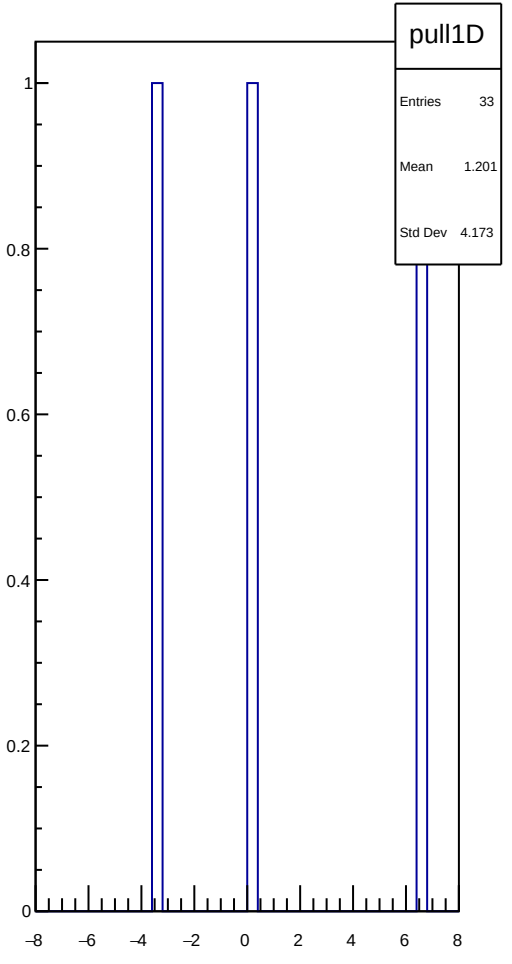

yield_bpm0i01WS_rms vs run
χ² / ndf 4177 / 32
p0 298.9 ± 0.3683
500
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

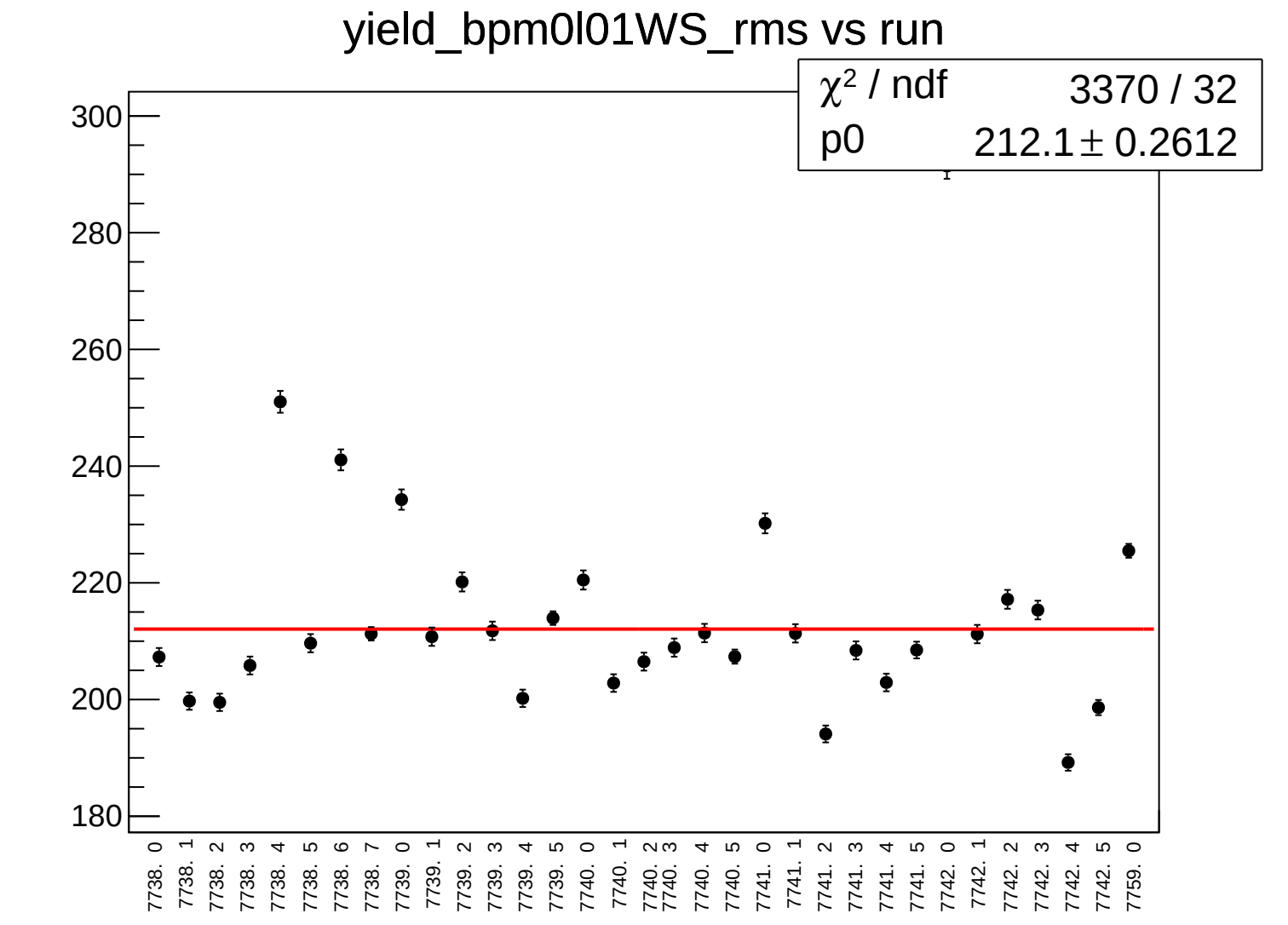

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 2283 / 32
p0 1.534e+05 ± 0.4588
153.42
153.4
153.38
153.36
153.34
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −99.59
Std Dev 0
15
10
5
0
−5
−10
−15
−20
−25
−30

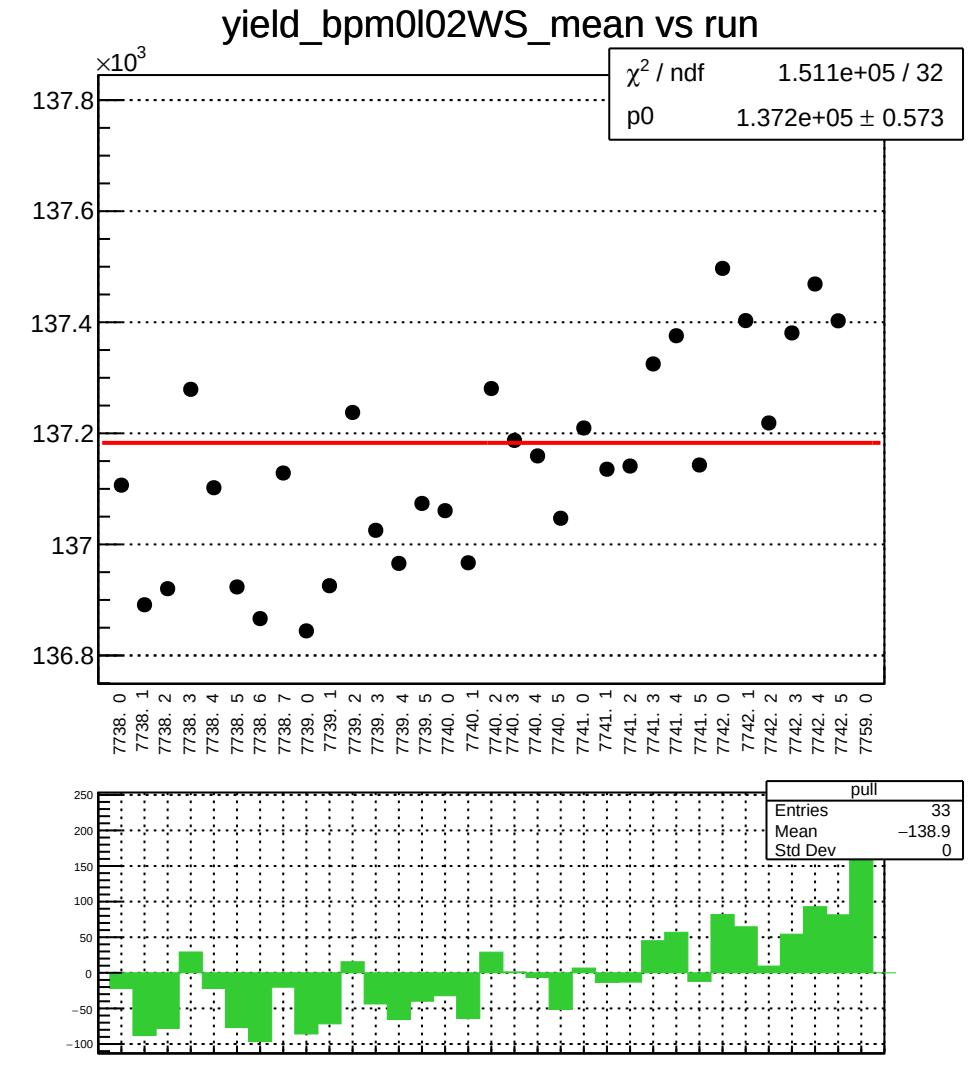

pull1D
Entries 33
Mean 0.6772
Std Dev 4.18
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

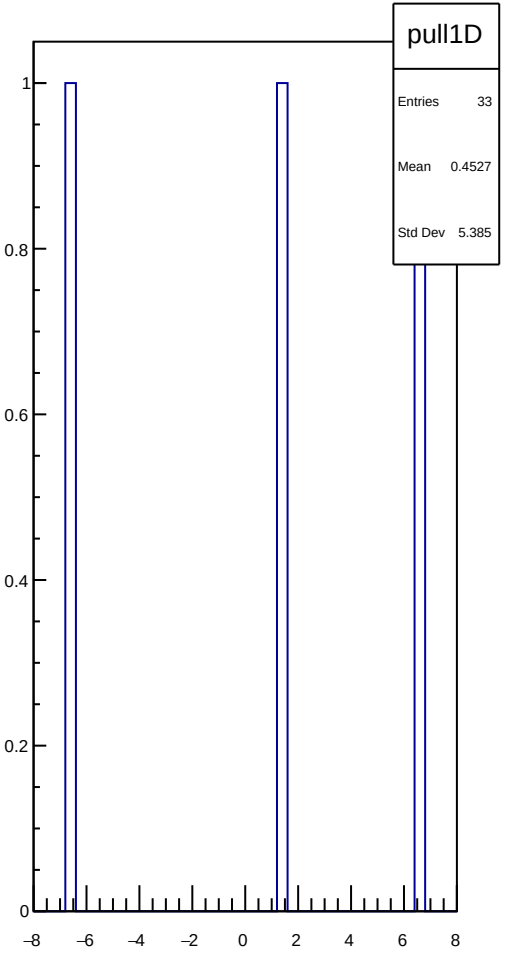

yield_bpm0i01aWS_rms vs run
χ² / ndf 4015 / 32
p0 263.3 ± 0.3244
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

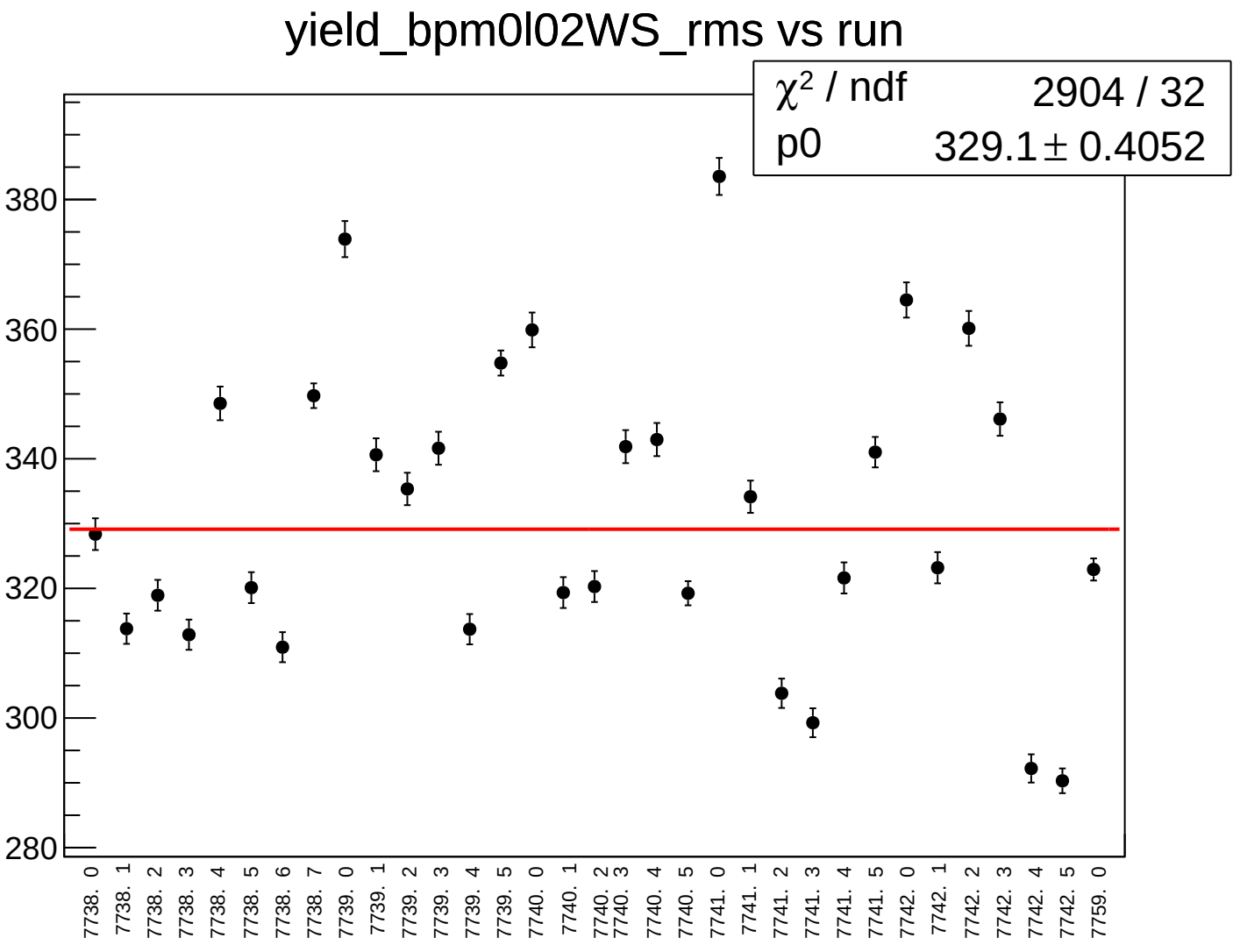

yield_bpm0l01WS_mean vs run
×10^3
χ^2 / ndf 6.78e+04 / 32
p0 1.179e+05 ± 0.3693
118.1
118
117.9
117.8
117.7
117.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.93
Std Dev 0
100
50
0
−50
−100

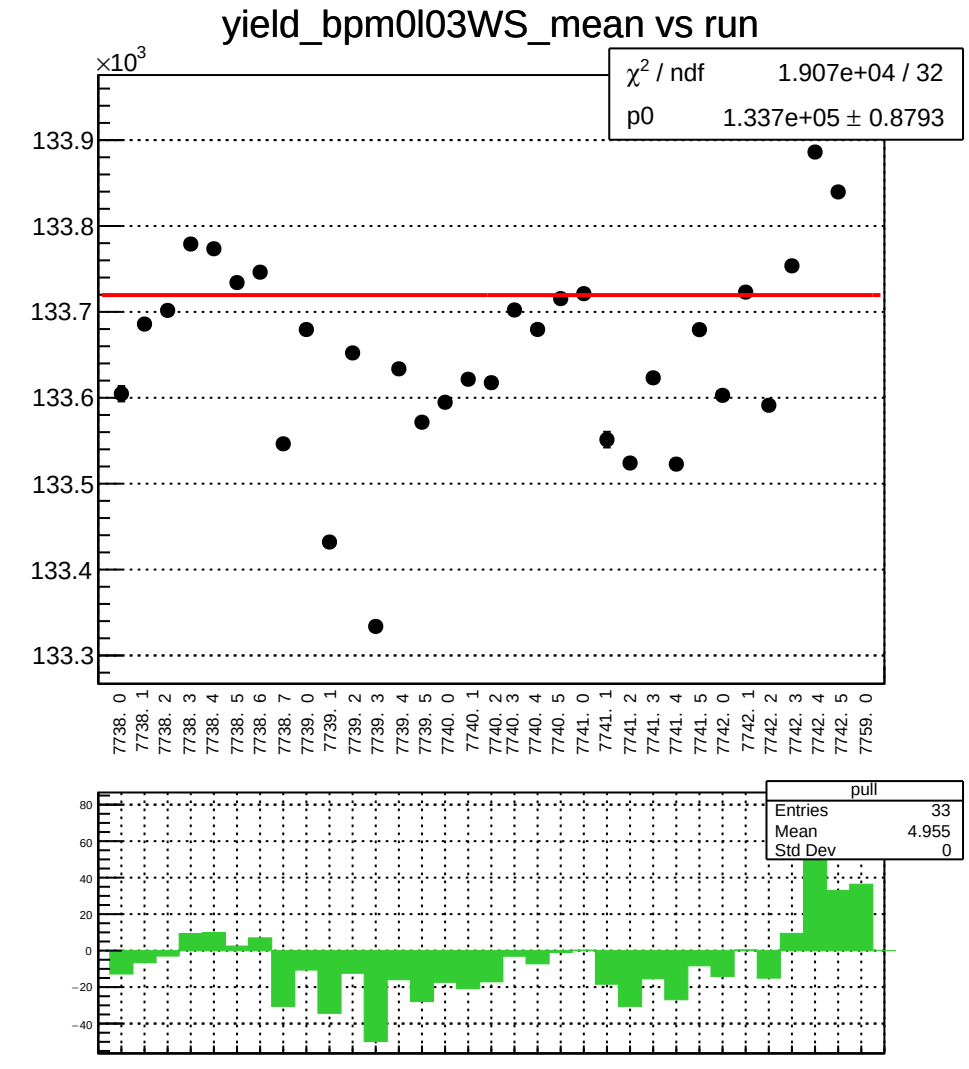

pull1D
Entries 33
Mean 1.201
Std Dev 4.173
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

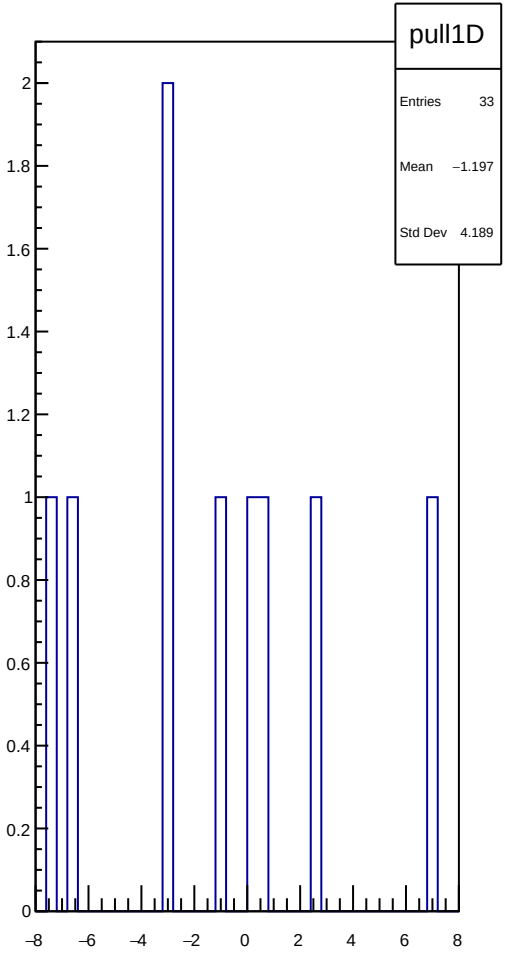

yield_bpm0l01WS_rms vs run
χ² / ndf 3370 / 32
p0 212.1 ± 0.2612
300
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

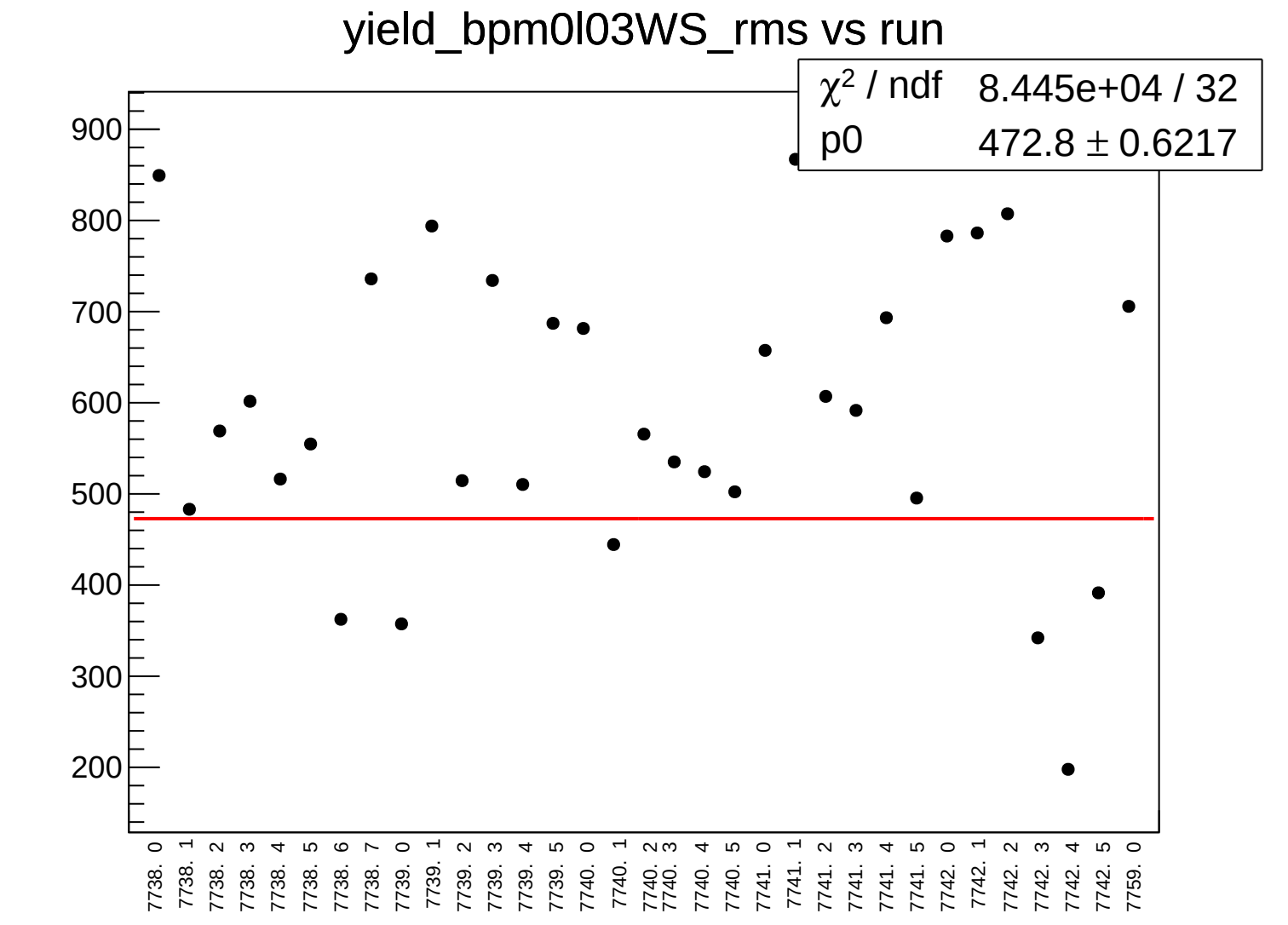

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 1.511e+05 / 32
p0 1.372e+05 ± 0.573
137.8
137.6
137.4
137.2
137
136.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −138.9
Std Dev 0
250
200
150
100
50
0
−50
−100

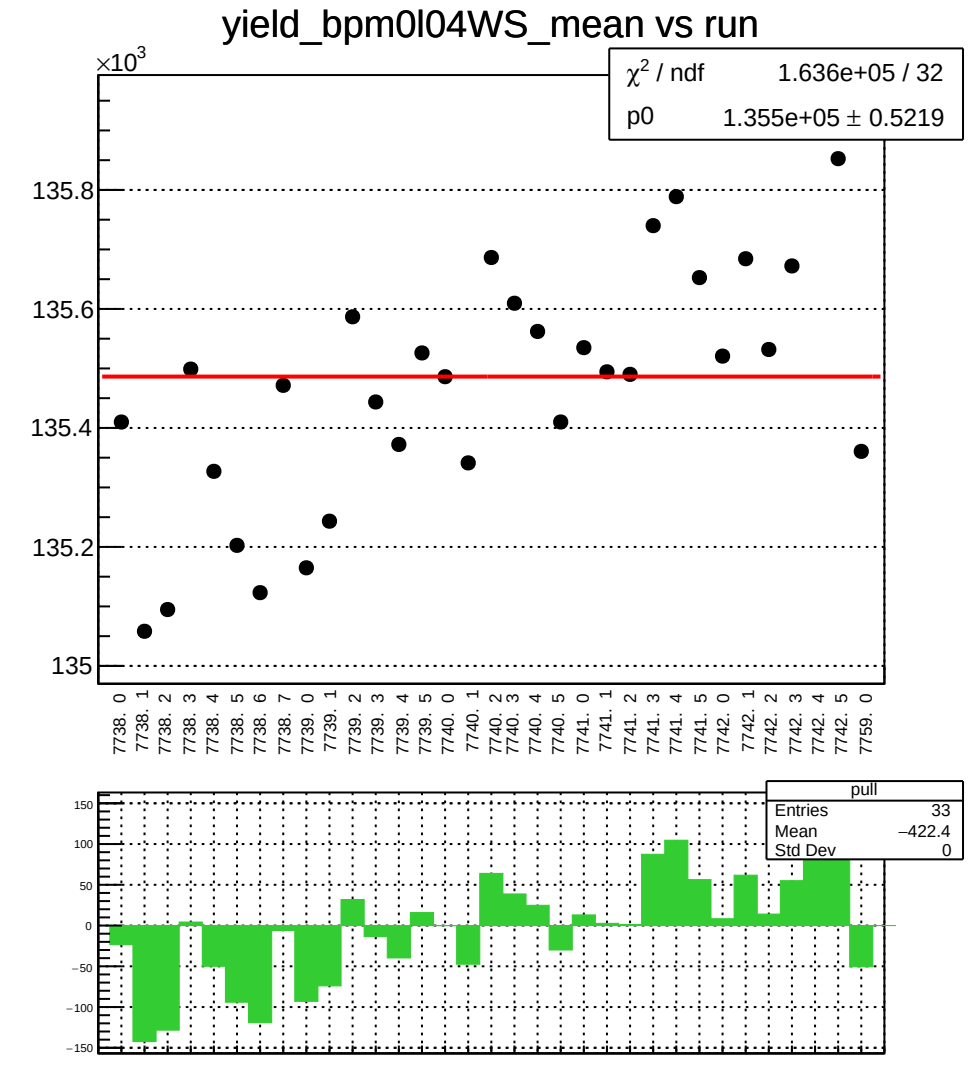

pull1D
Entries 33
Mean 0.4527
Std Dev 5.385
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

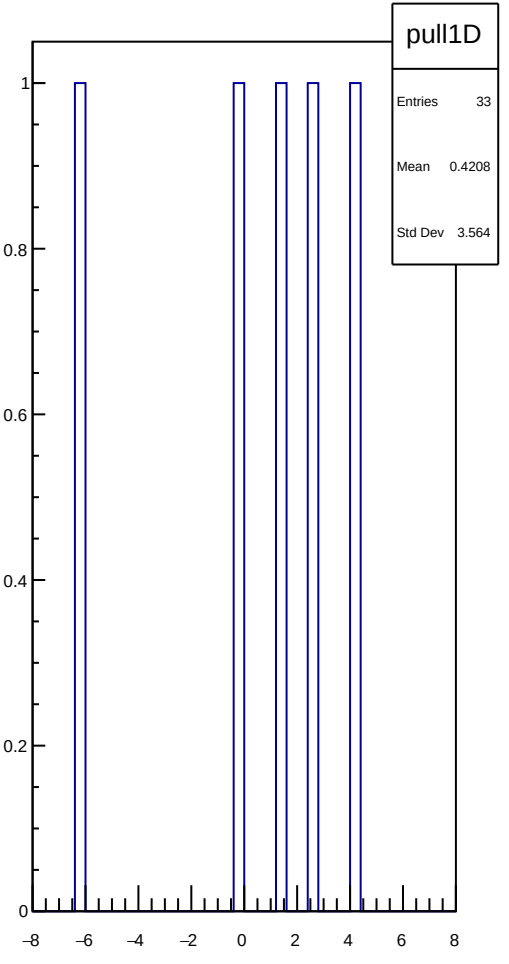

yield_bpm0l02WS_rms vs run
χ² / ndf 2904 / 32
p0 329.1 ± 0.4052
380
360
340
320
300
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

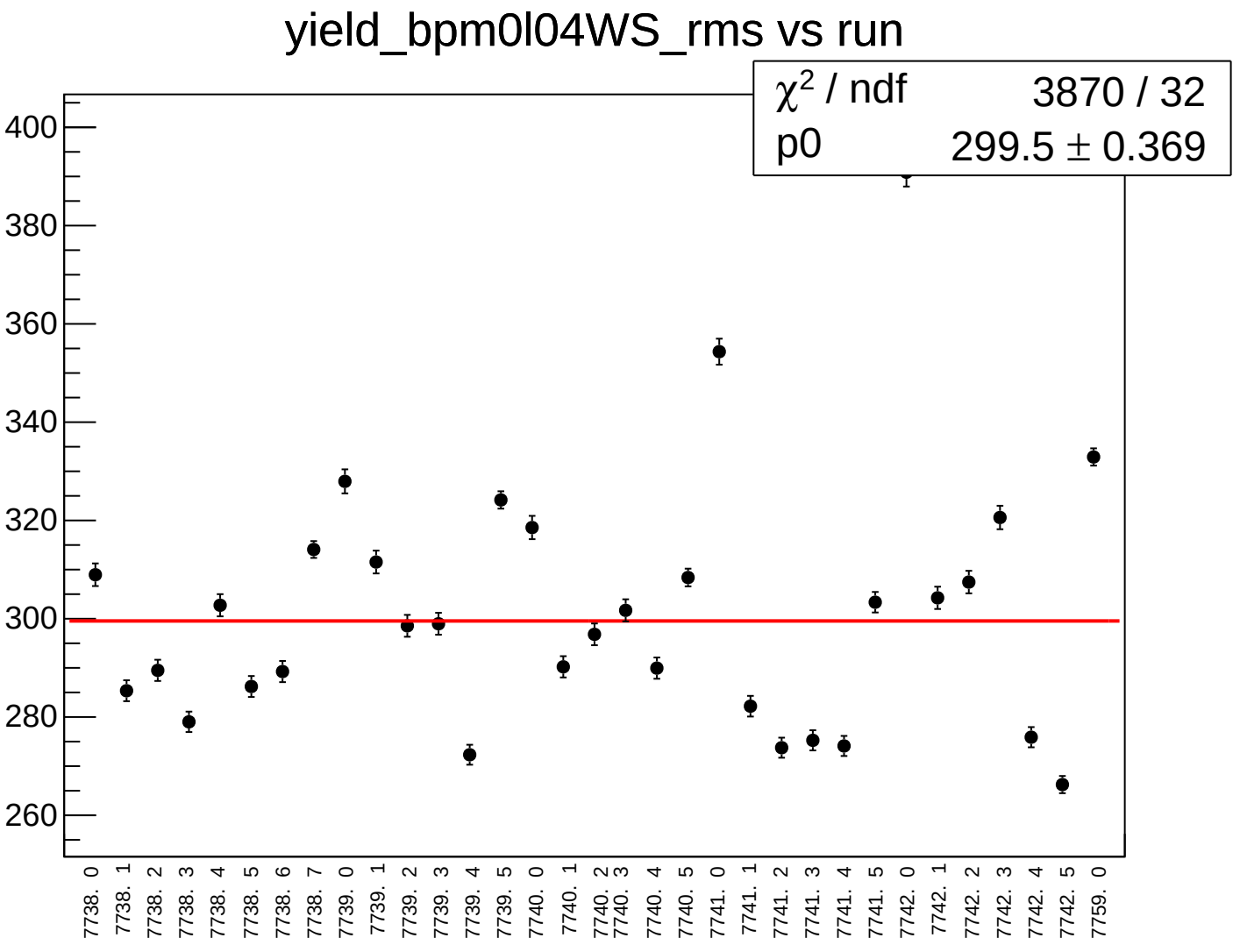

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.907e+04 / 32
p0 1.337e+05 ± 0.8793
133.9
133.8
133.7
133.6
133.5
133.4
133.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.955
Std Dev 0
80
60
40
20
0
−20
−40

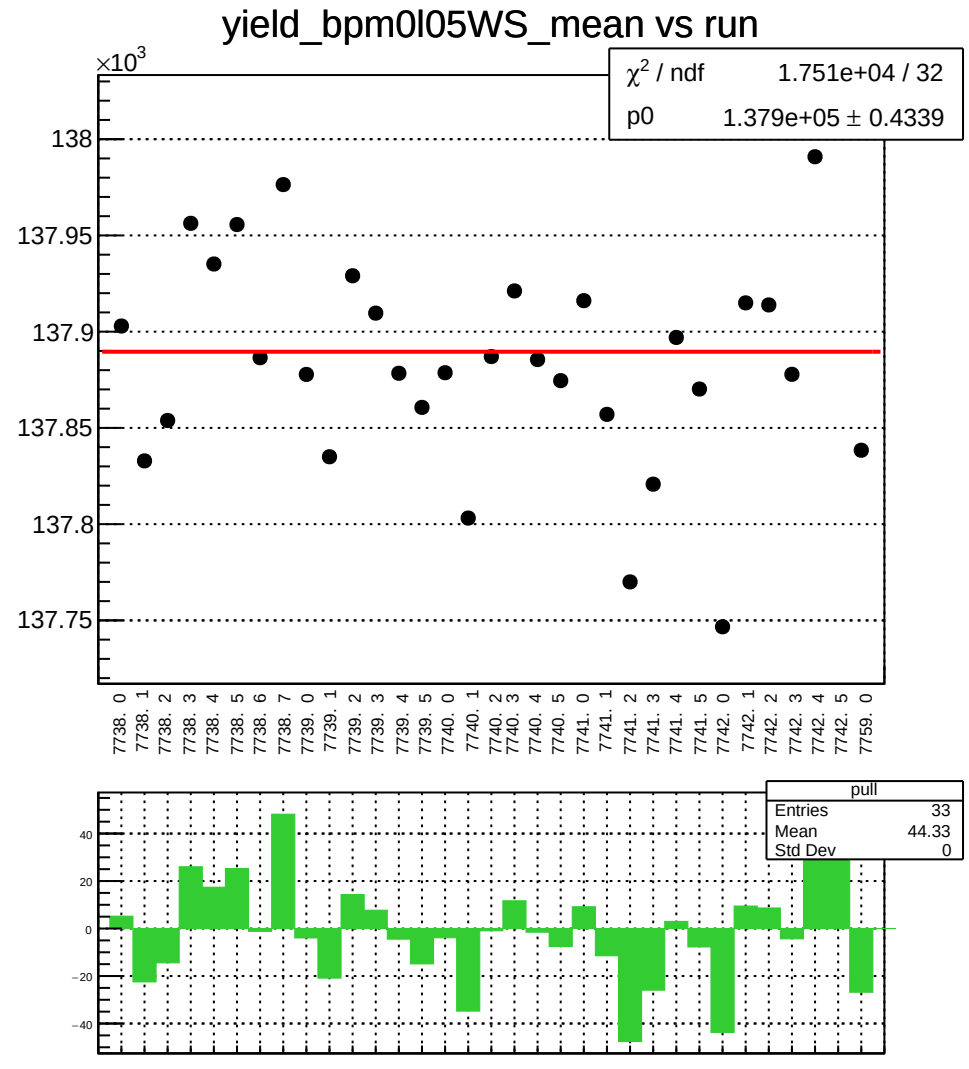

pull1D
Entries 33
Mean −1.197
Std Dev 4.189
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

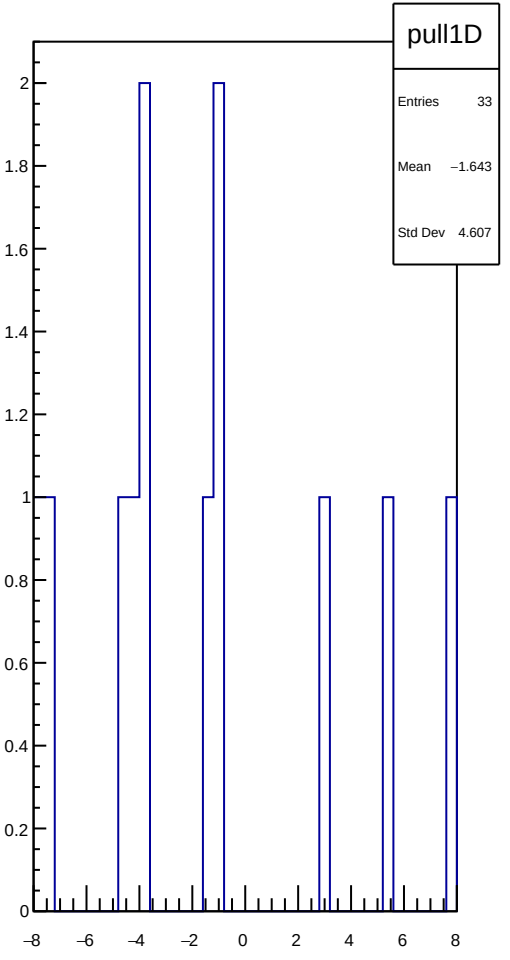

yield_bpm0l03WS_rms vs run
χ² / ndf 8.445e+04 / 32
p0 472.8 ± 0.6217
900
800
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

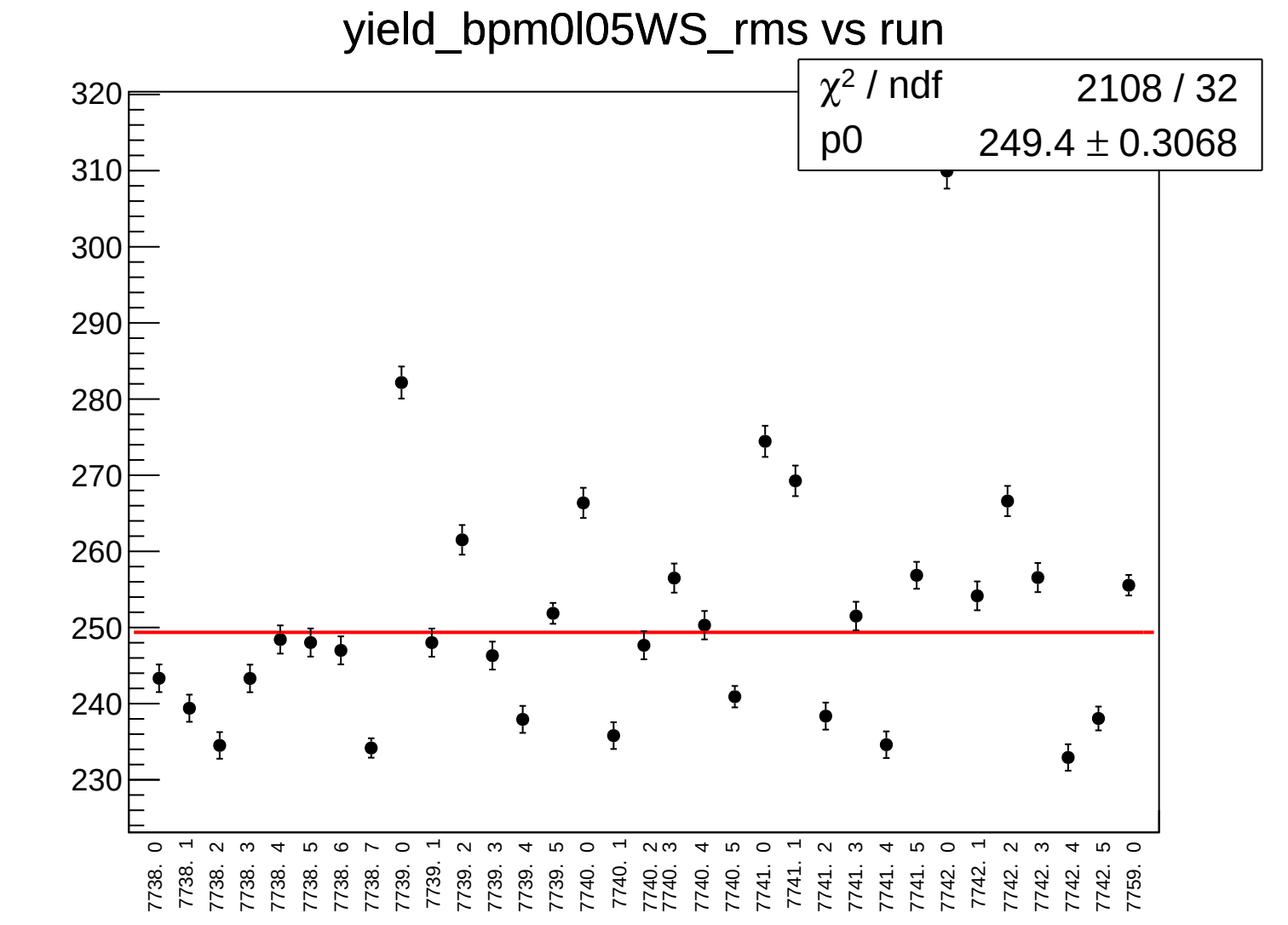

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.636e+05 / 32
p0 1.355e+05 ± 0.5219
135.8
135.6
135.4
135.2
135
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −422.4
Std Dev 0
150
100
50
0
−50
−100
−150

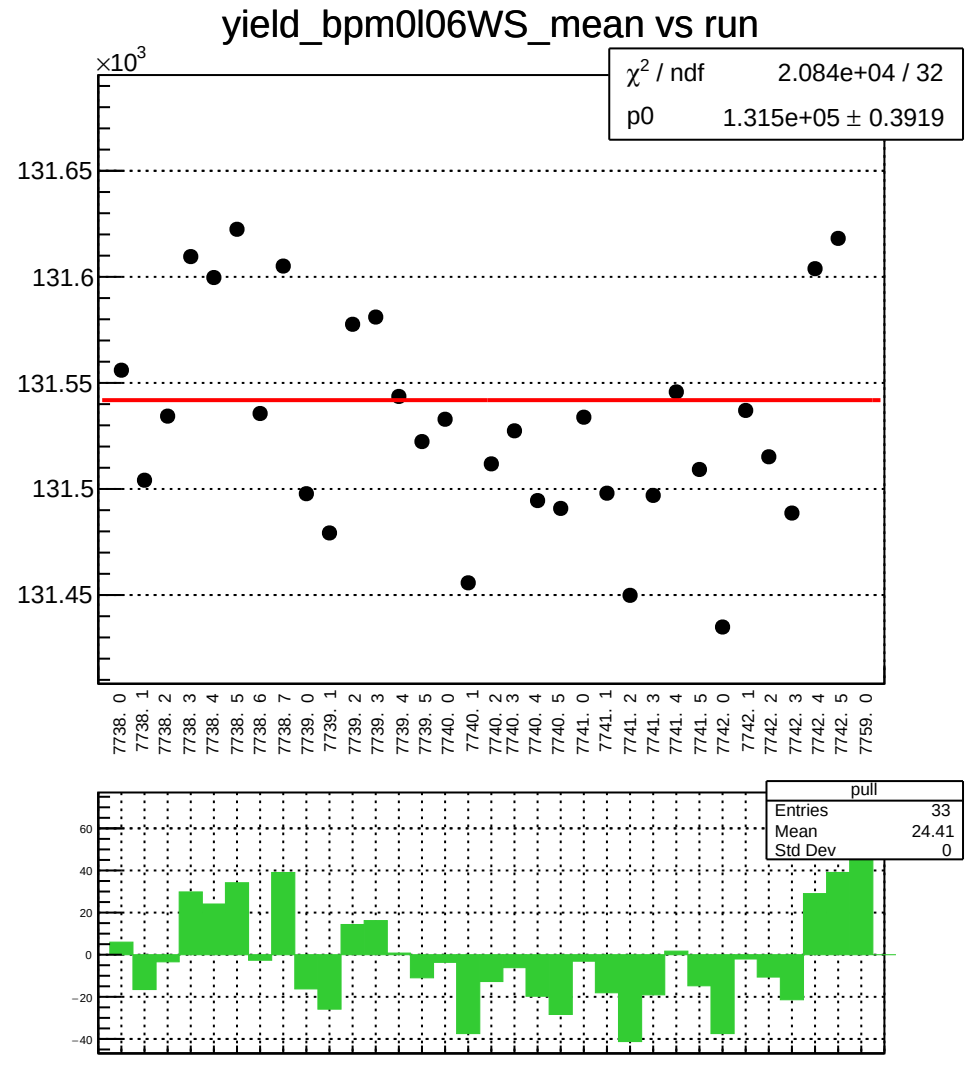

pull1D
Entries 33
Mean 0.4208
Std Dev 3.564
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

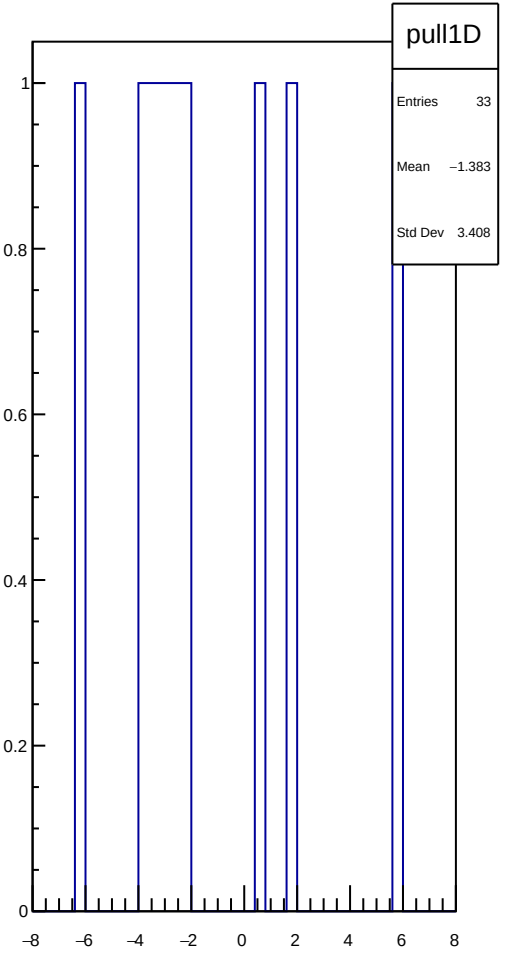

yield_bpm0l04WS_rms vs run
χ² / ndf 3870 / 32
p0 299.5 ± 0.369
400
380
360
340
320
300
280
260
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

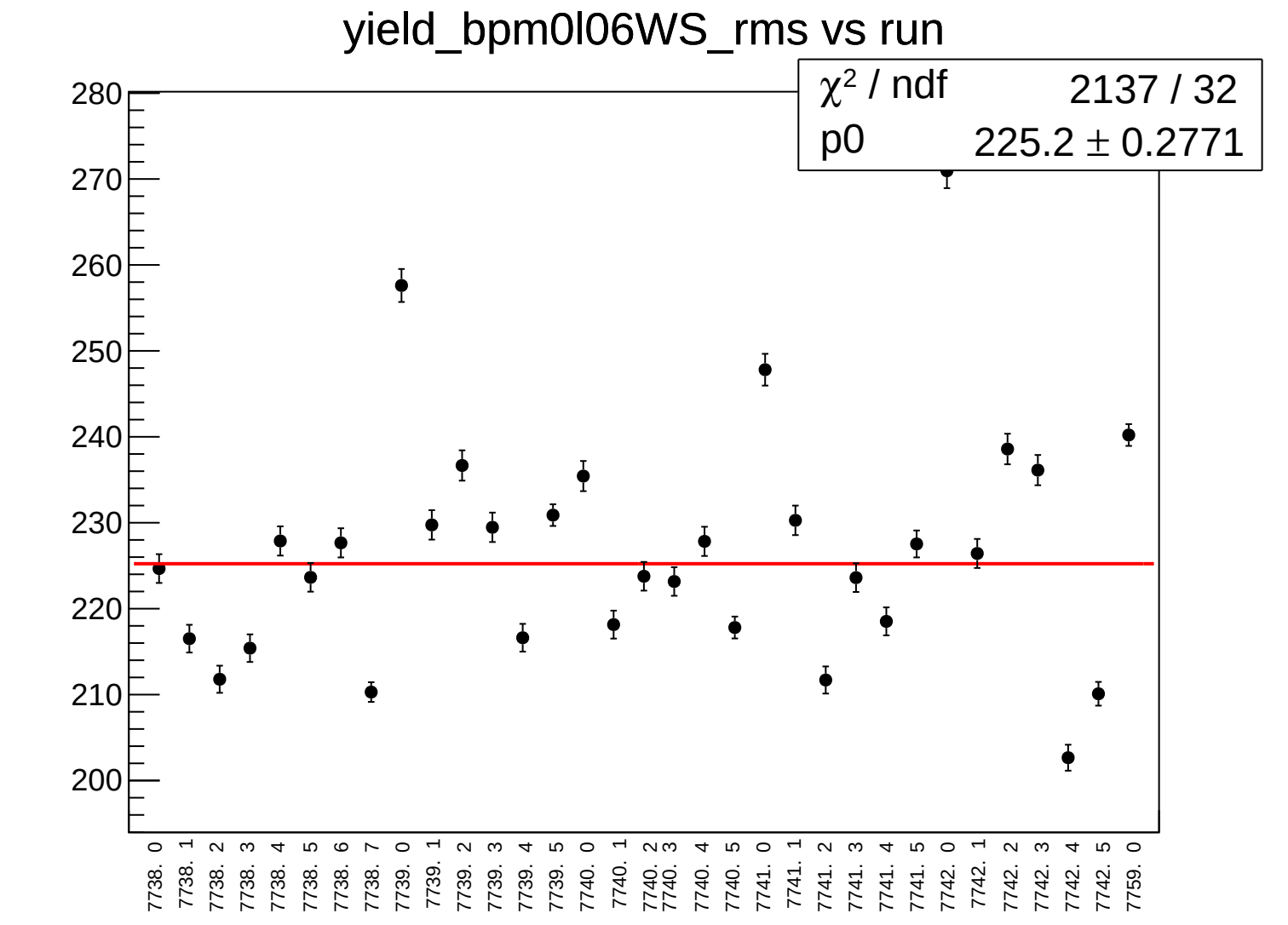

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 1.751e+04 / 32
p0 1.379e+05 ± 0.4339
138
137.95
137.9
137.85
137.8
137.75
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 44.33
Std Dev 0
40
20
0
−20
−40

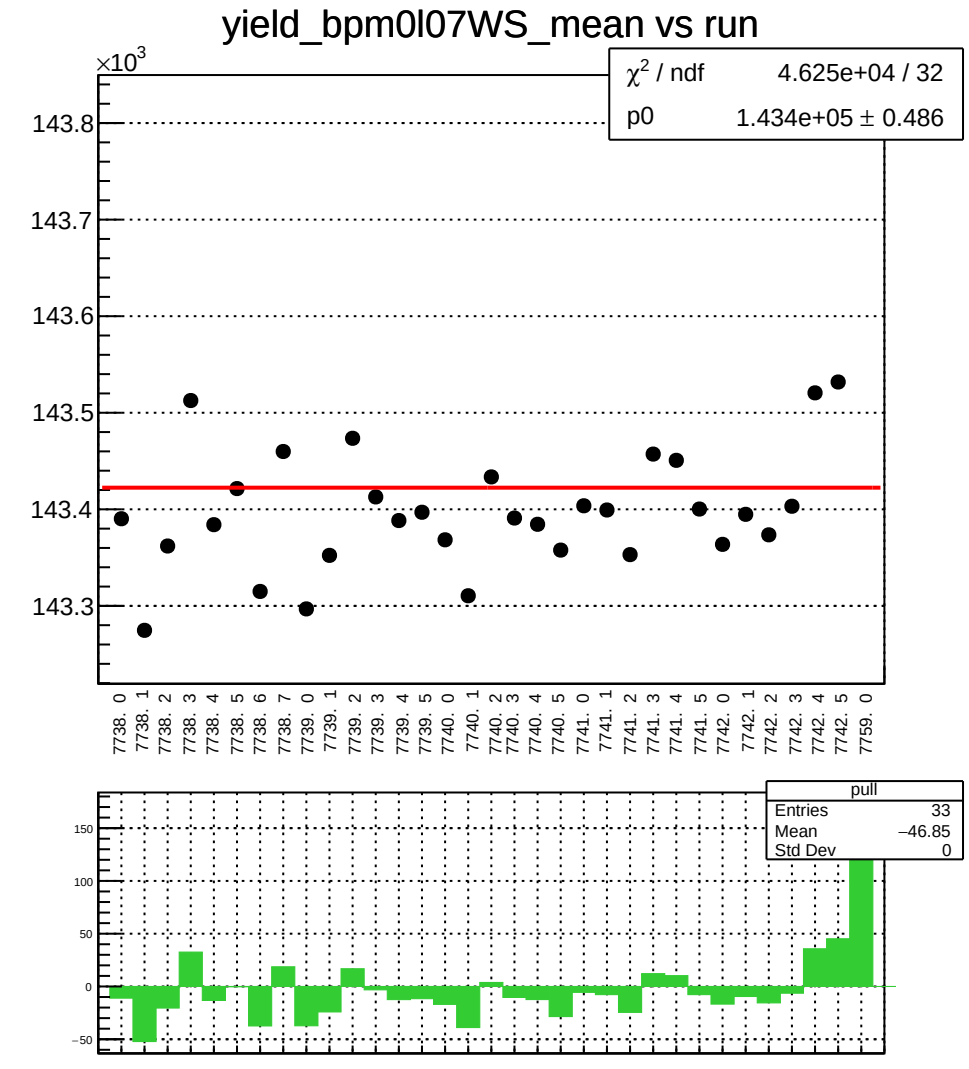

pull1D
Entries 33
Mean −1.643
Std Dev 4.607
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

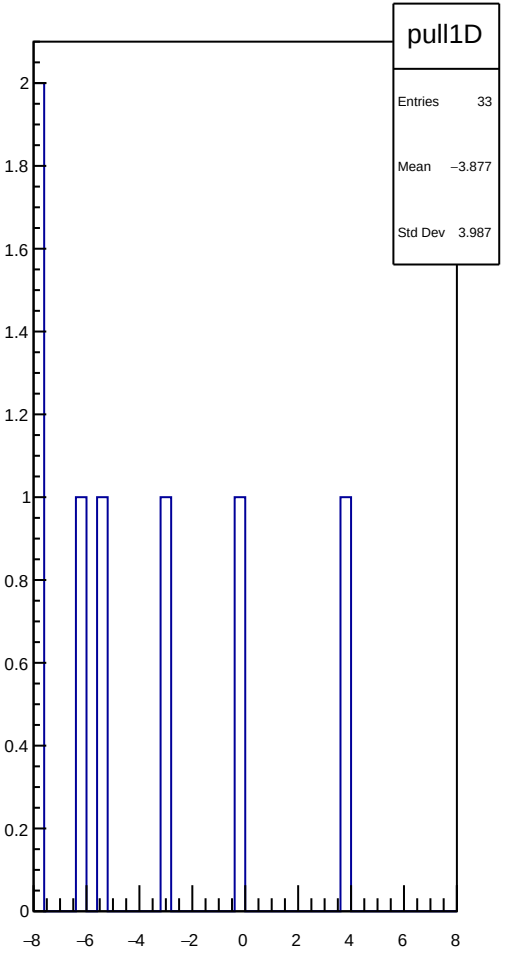

yield_bpm0l05WS_rms vs run
χ² / ndf 2108 / 32
p0 249.4 ± 0.3068
320
310
300
290
280
270
260
250
240
230
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

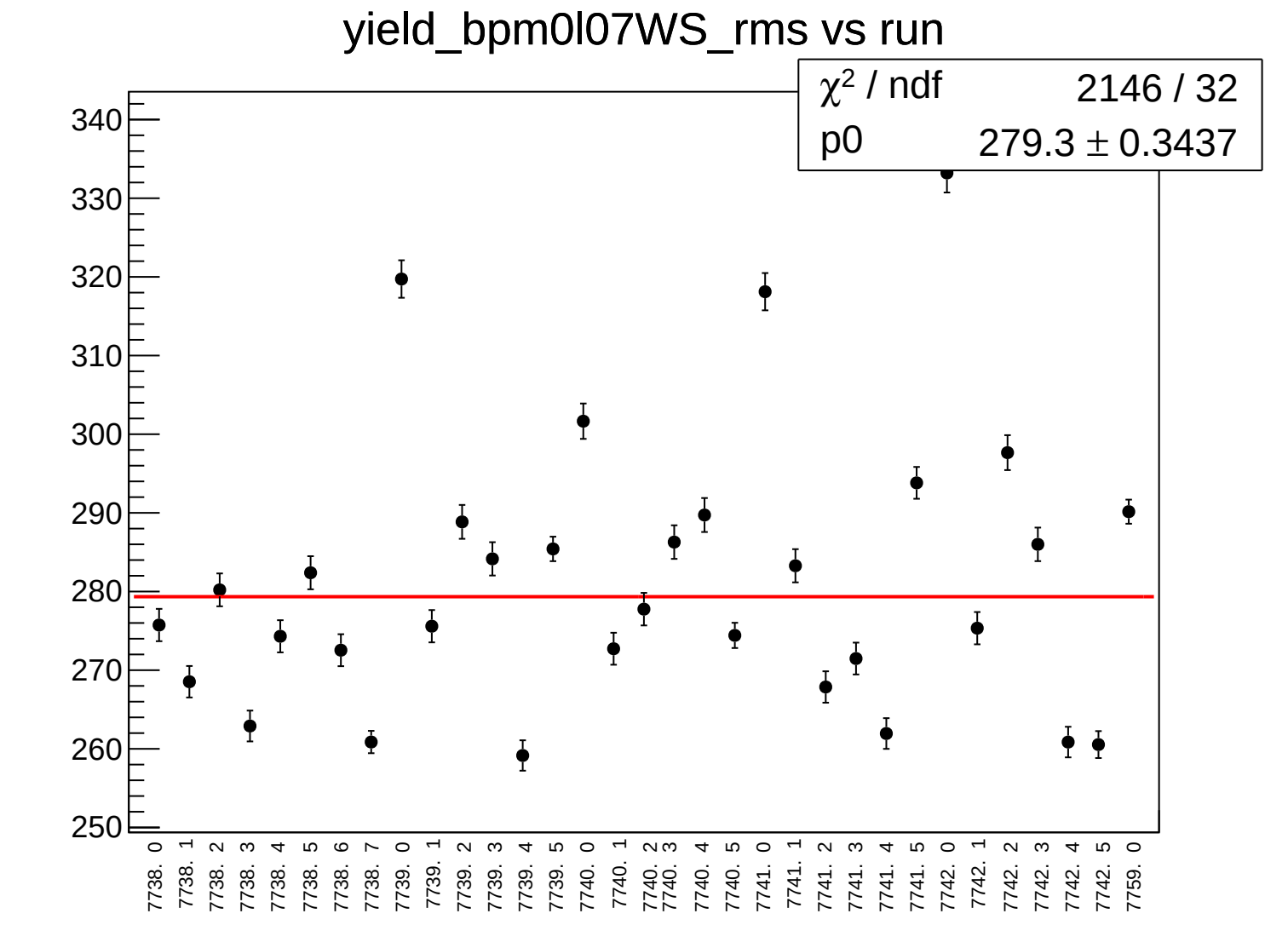

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 2.084e+04 / 32
p0 1.315e+05 ± 0.3919
131.65
131.6
131.55
131.5
131.45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 24.41
Std Dev 0
60
40
20
0
−20
−40

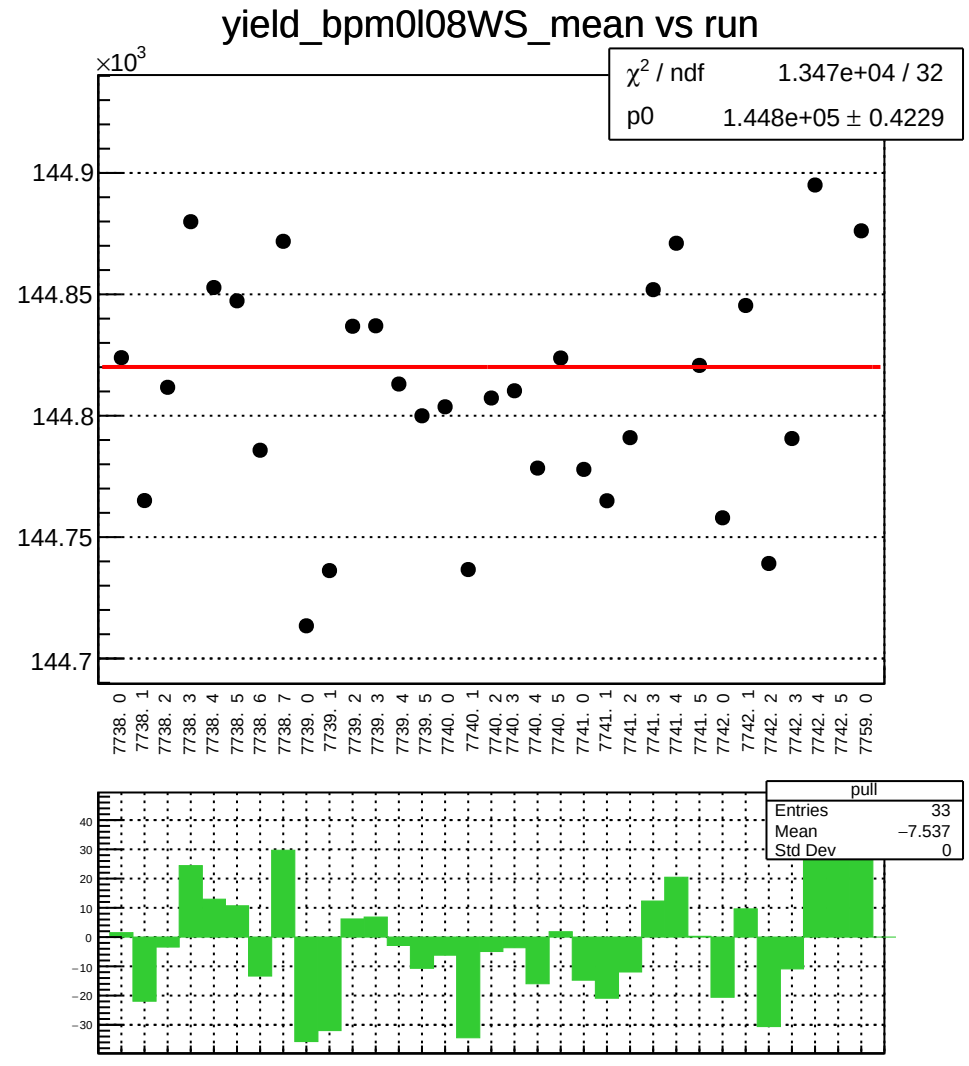

pull1D
Entries 33
Mean −1.383
Std Dev 3.408
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

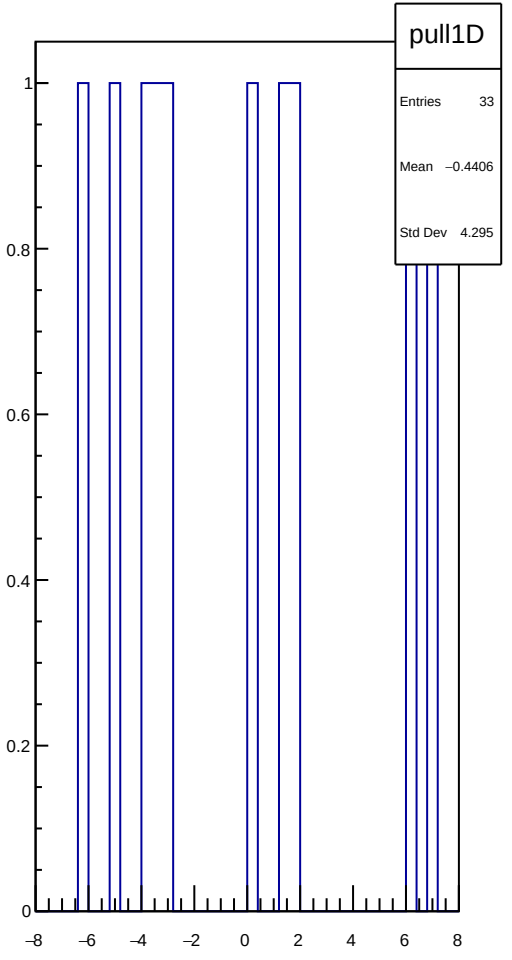

yield_bpm0l06WS_rms vs run
χ² / ndf 2137 / 32
p0 225.2 ± 0.2771
280
270
260
250
240
230
220
210
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

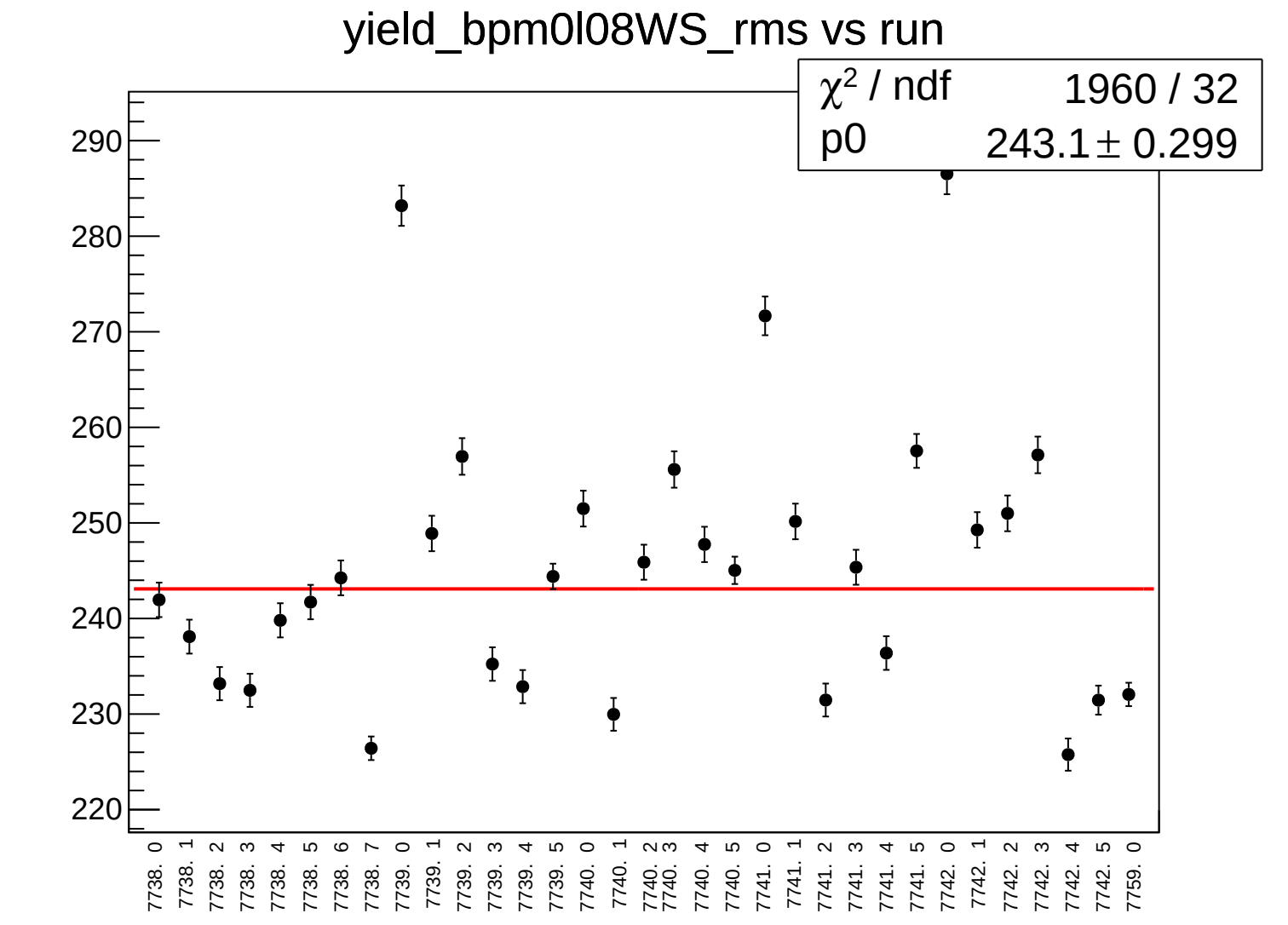

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 4.625e+04 / 32
p0 1.434e+05 ± 0.486
143.8
143.7
143.6
143.5
143.4
143.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.85
Std Dev 0
150
100
50
0
−50

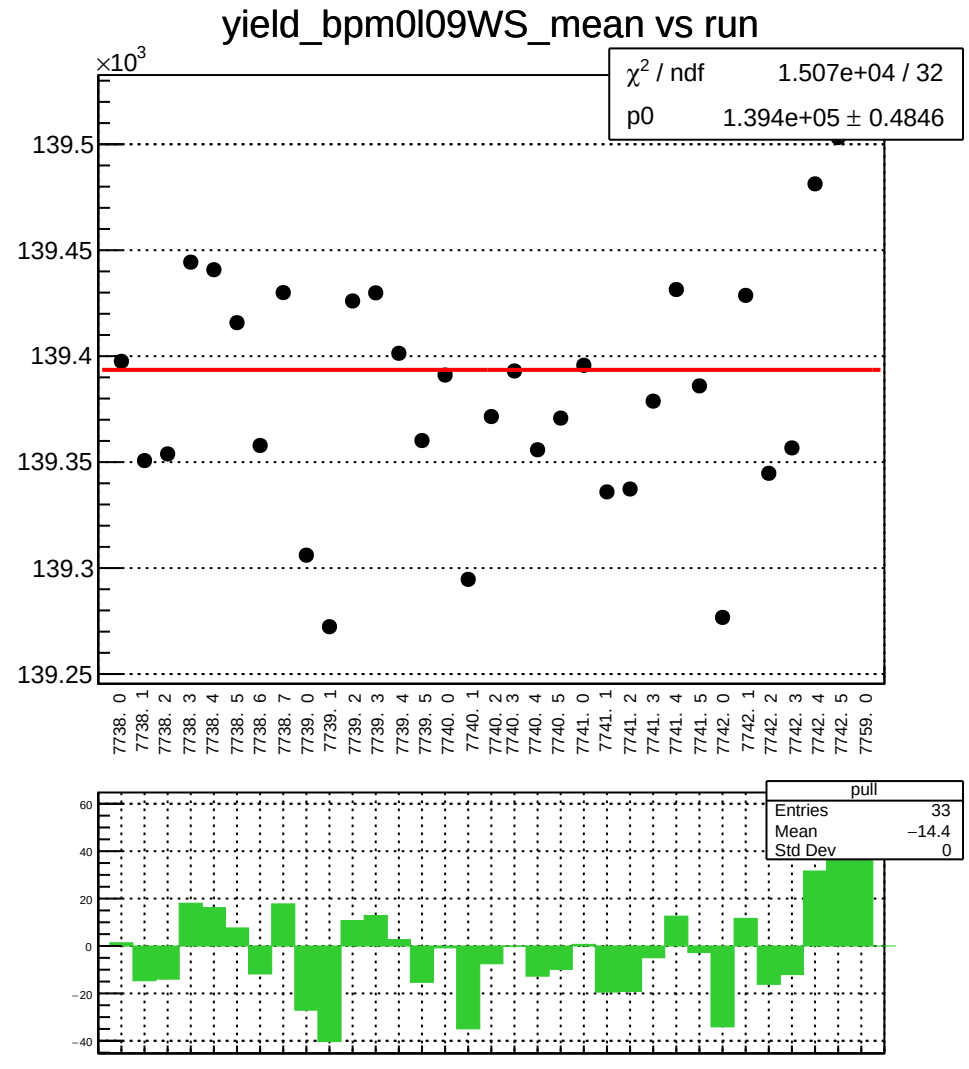

pull1D
Entries 33
Mean −3.877
Std Dev 3.987
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

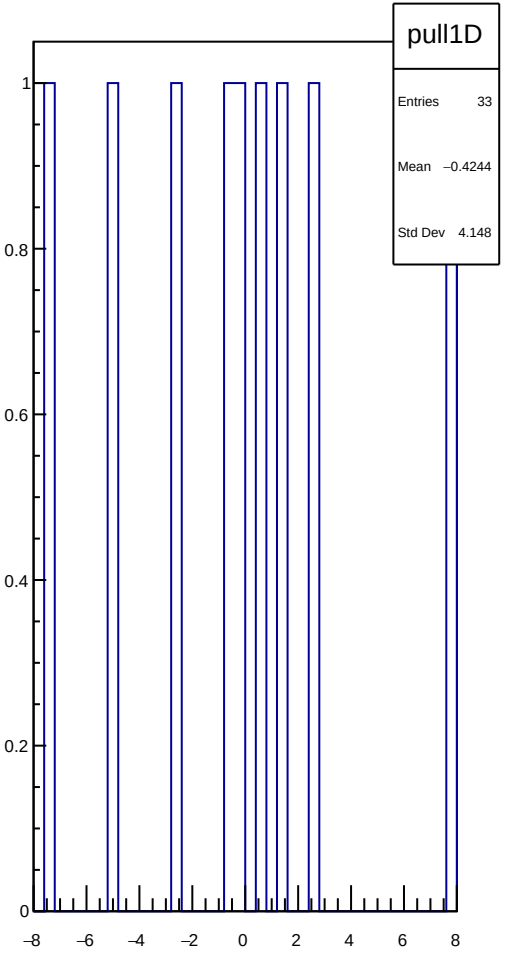

yield_bpm0l07WS_rms vs run
χ² / ndf 2146 / 32
p0 279.3 ± 0.3437
340
330
320
310
300
290
280
270
260
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

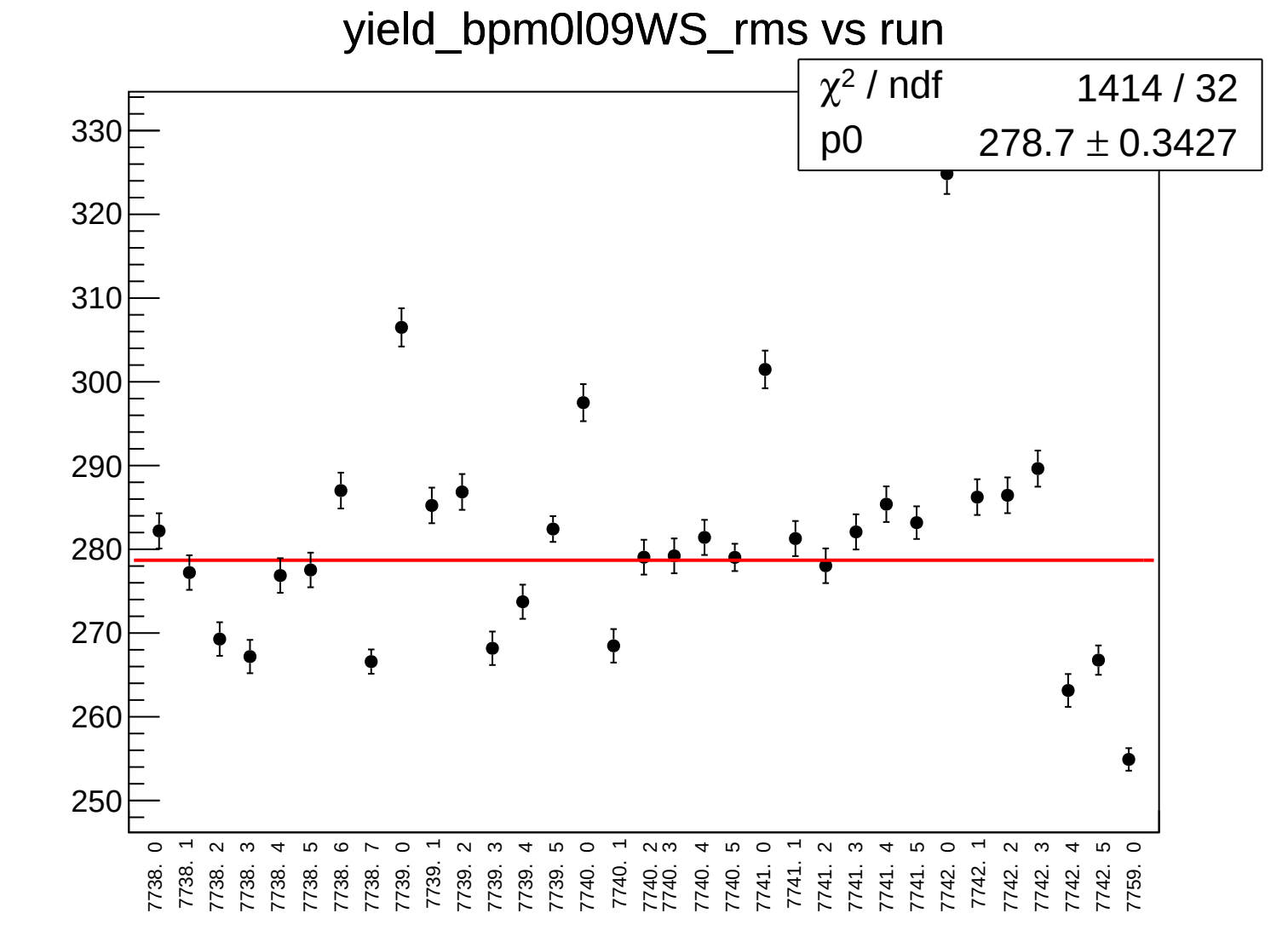

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 1.347e+04 / 32
p0 1.448e+05 ± 0.4229
144.9
144.85
144.8
144.75
144.7
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.537
Std Dev 0
40
30
20
10
0
−10
−20
−30

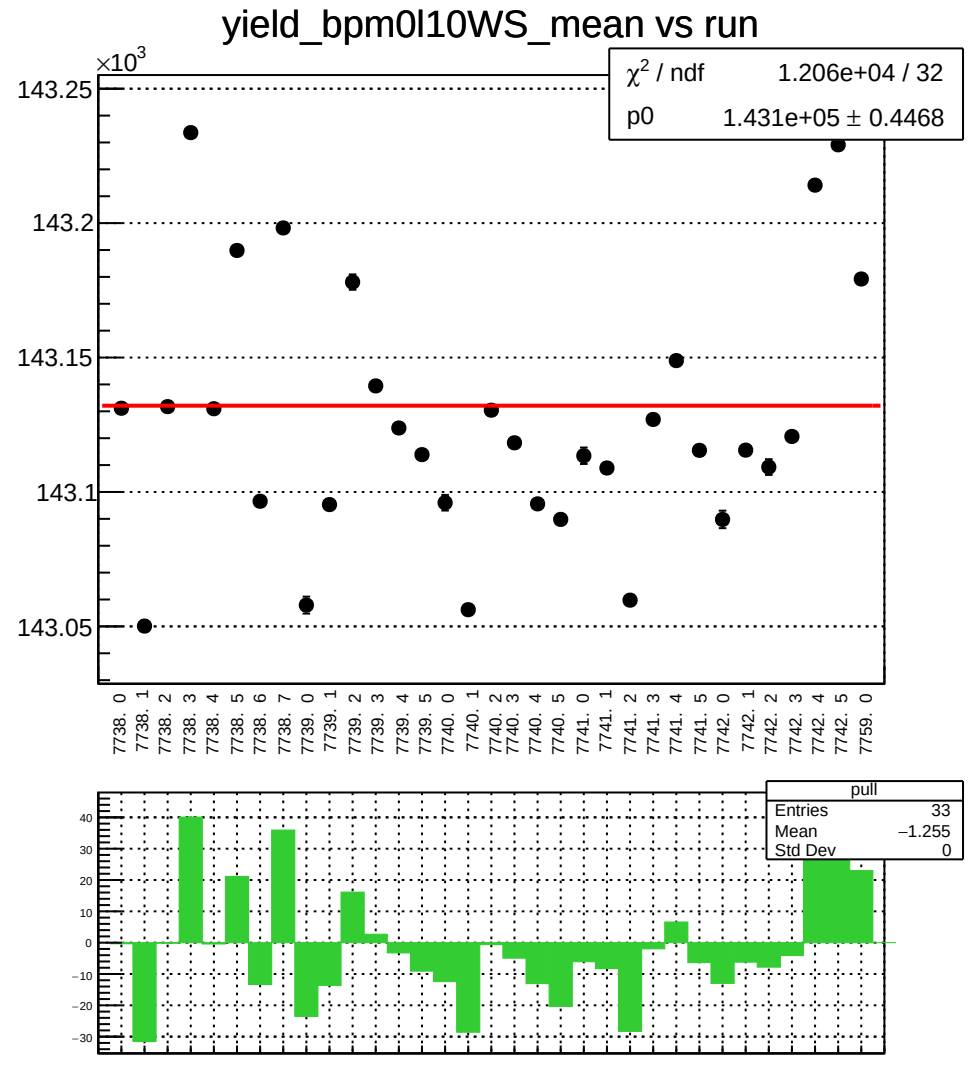

pull1D
Entries 33
Mean −0.4406
Std Dev 4.295
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

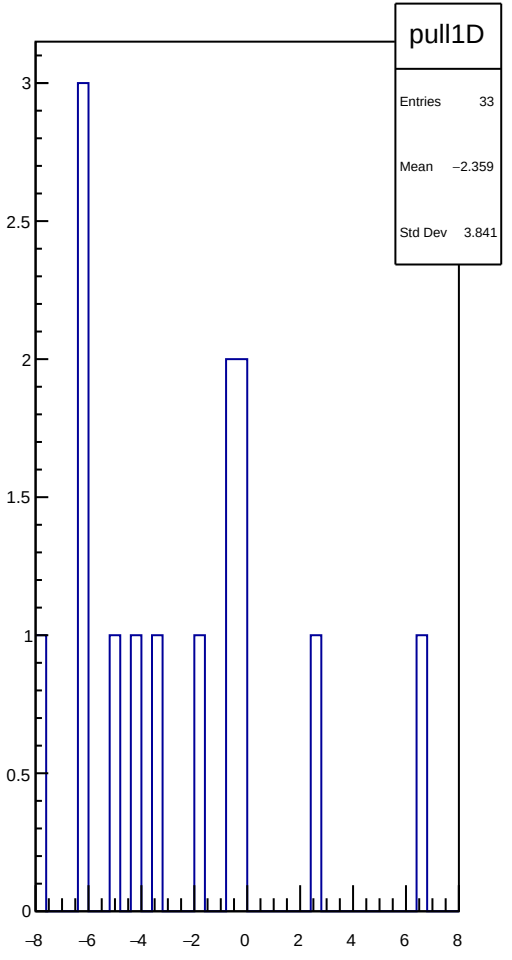

yield_bpm0l08WS_rms vs run
χ² / ndf 1960 / 32
p0 243.1 ± 0.299
290
280
270
260
250
240
230
220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

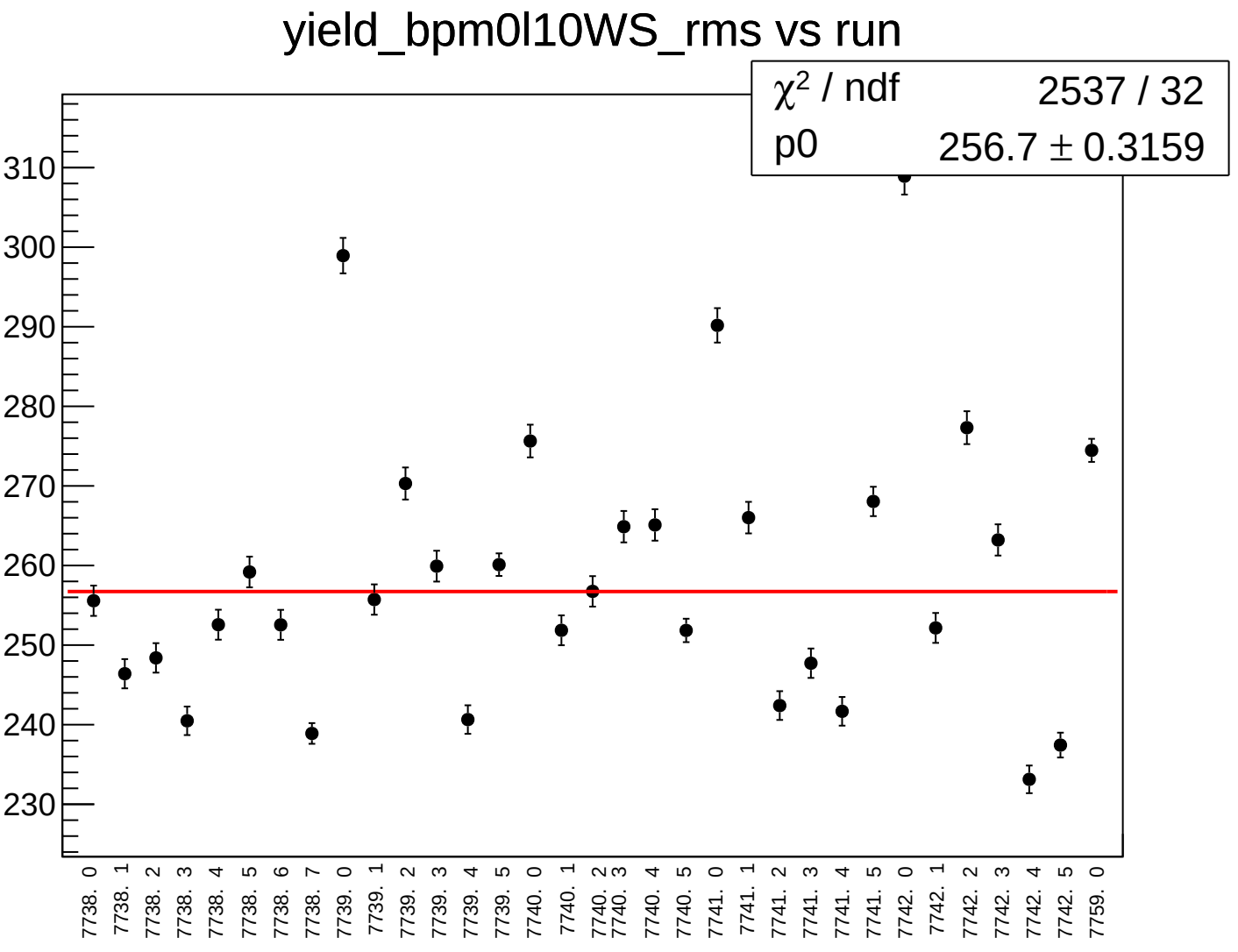

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 1.507e+04 / 32
p0 1.394e+05 ± 0.4846
139.5
139.45
139.4
139.35
139.3
139.25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.4
Std Dev 0
60
40
20
0
−20
−40

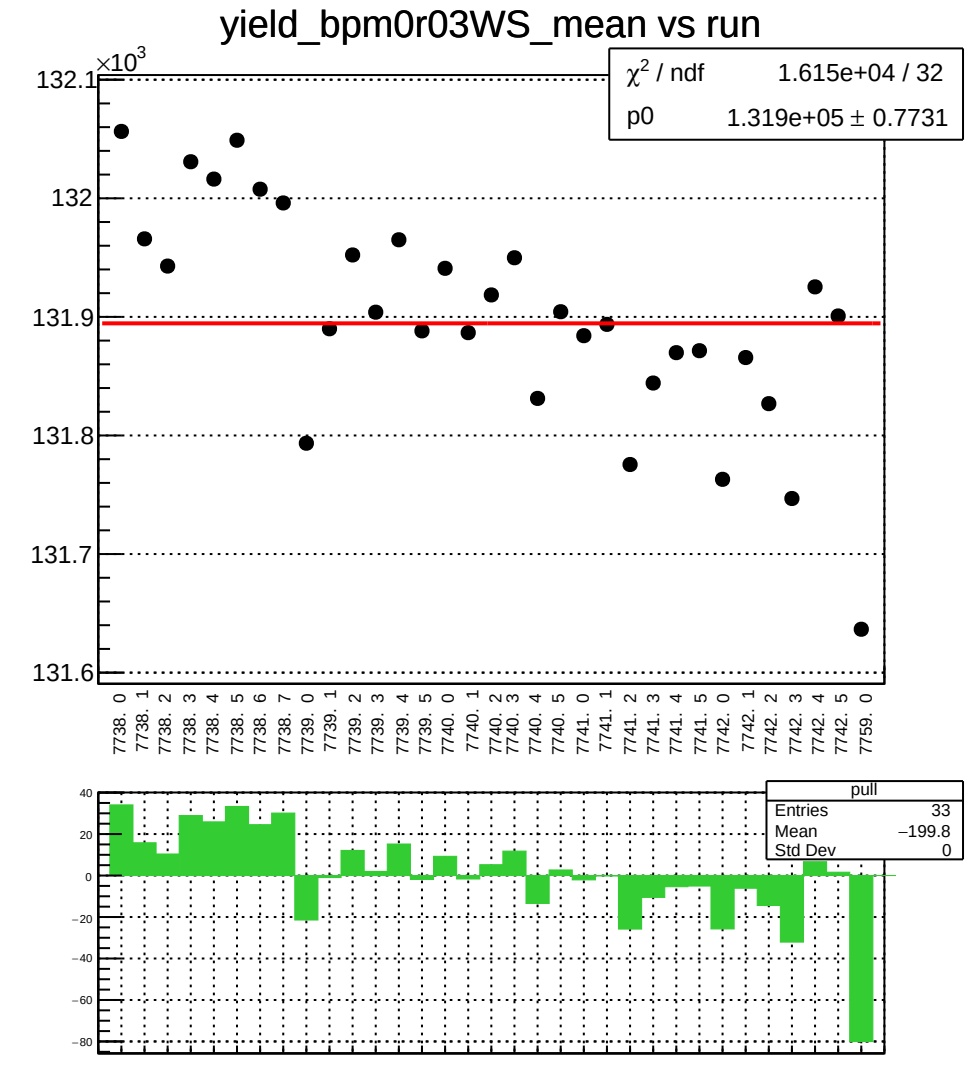

pull1D
Entries 33
Mean −0.4244
Std Dev 4.148
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

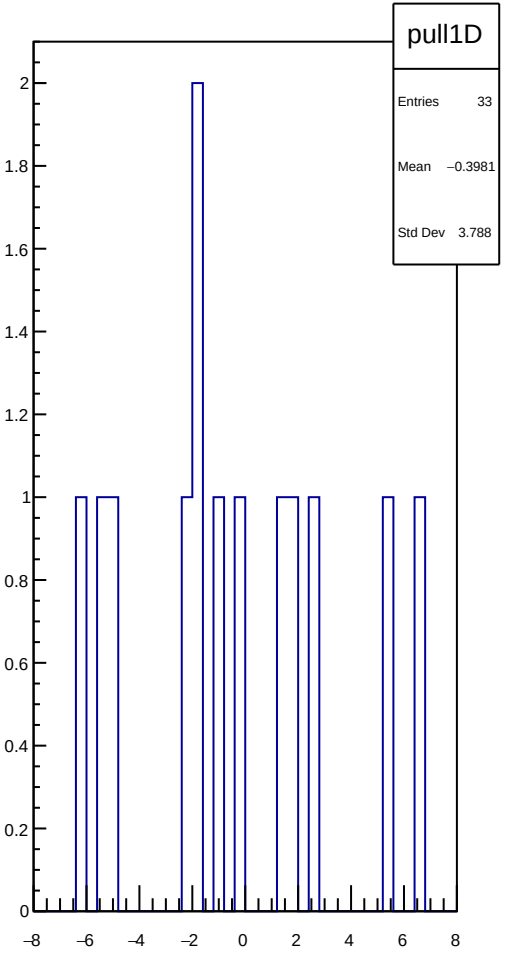

yield_bpm0l09WS_rms vs run
χ² / ndf 1414 / 32
p0 278.7 ± 0.3427
330
320
310
300
290
280
270
260
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

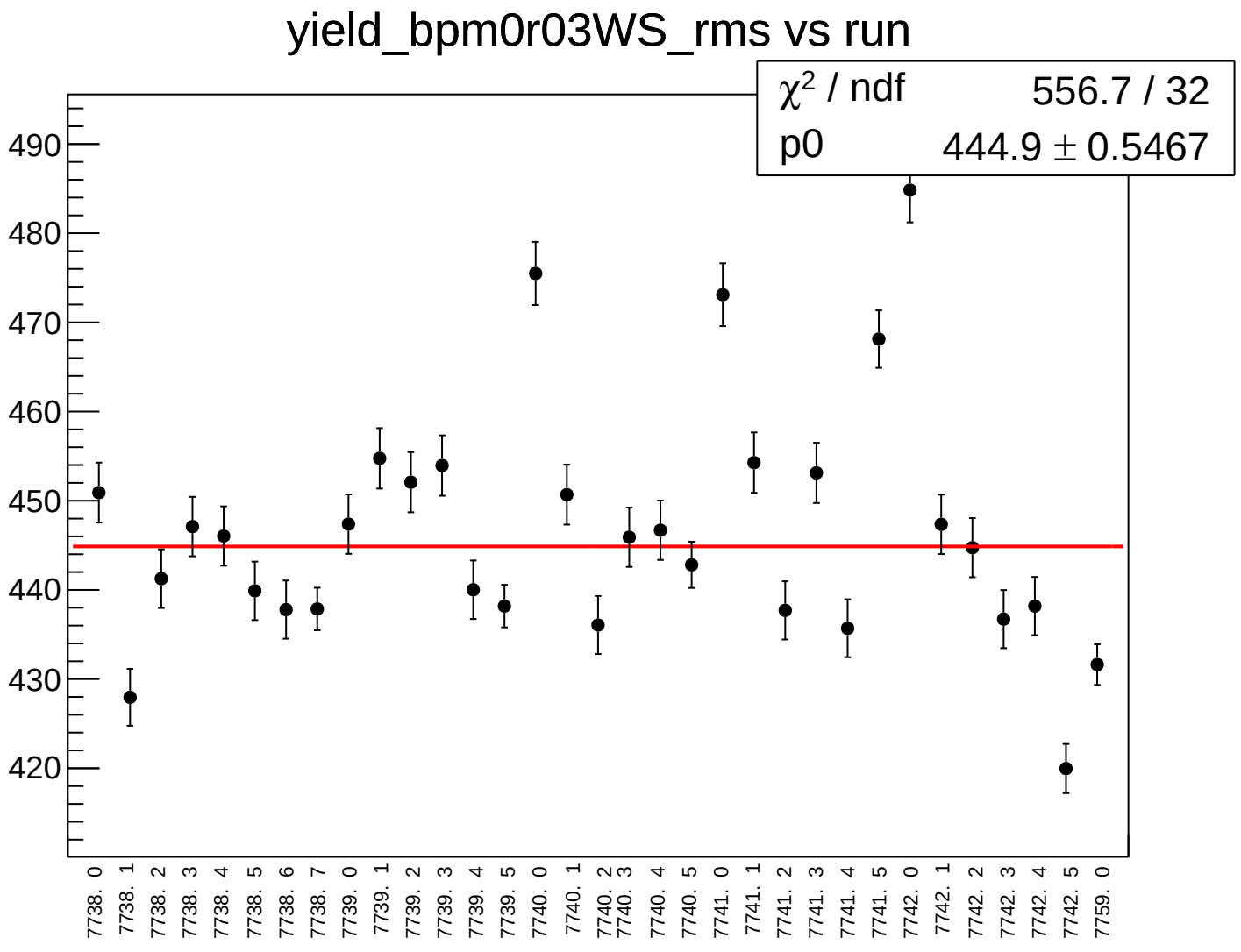

yield_bpm0l10WS_mean vs run
×10^3
143.25
143.2
143.15
143.1
143.05
χ² / ndf 1.206e+04 / 32
p0 1.431e+05 ± 0.4468
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.255
Std Dev 0
40
30
20
10
0
−10
−20
−30

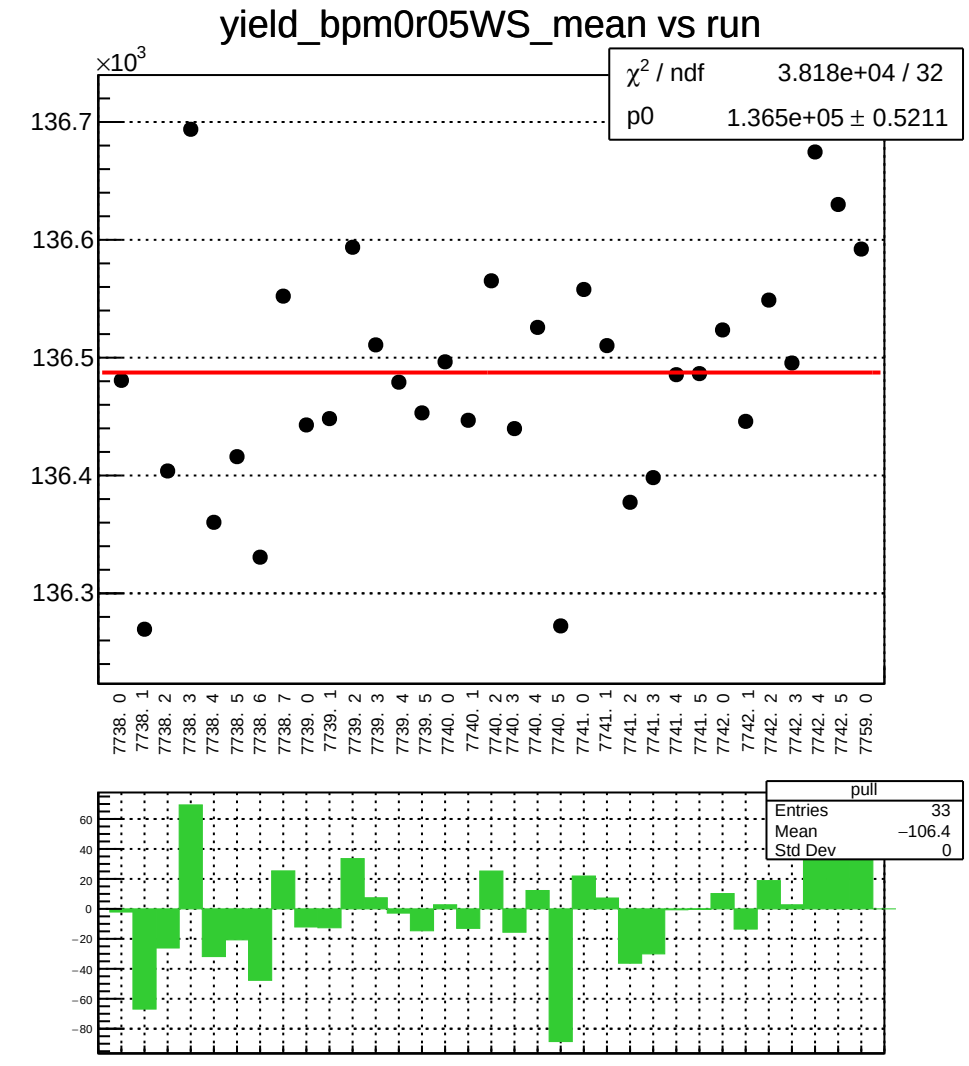

pull1D
Entries 33
Mean −2.359
Std Dev 3.841
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

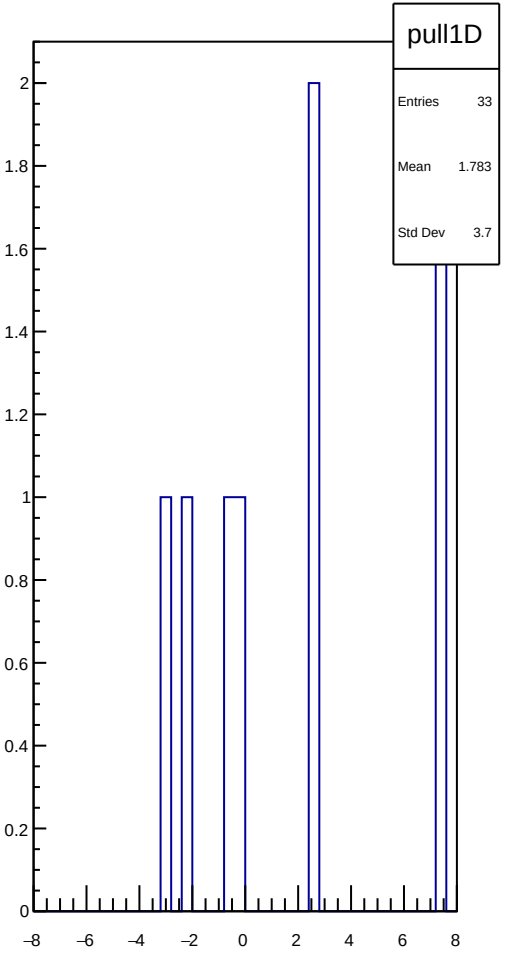

yield_bpm0l10WS_rms vs run
χ² / ndf 2537 / 32
p0 256.7 ± 0.3159
310
300
290
280
270
260
250
240
230
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

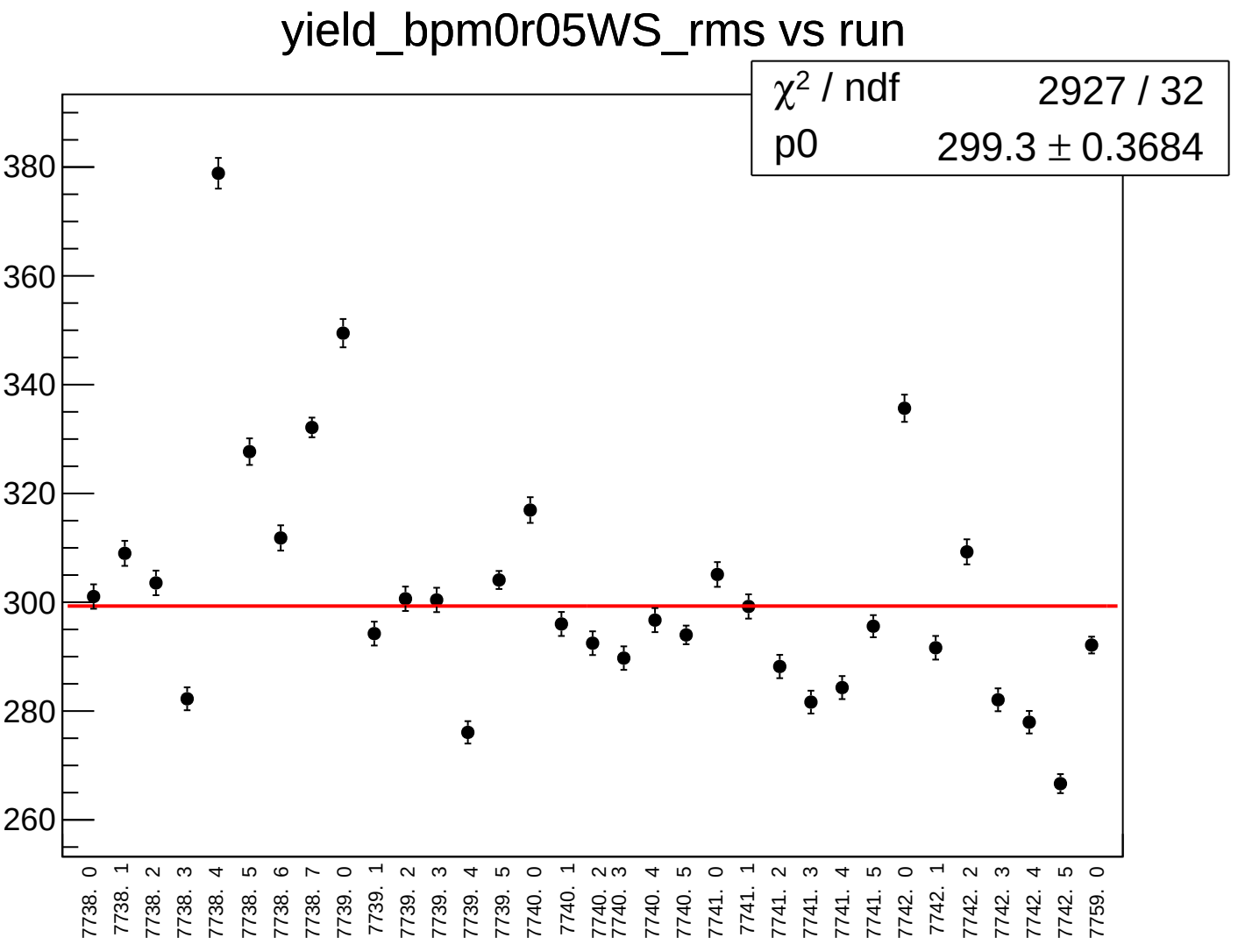

yield_bpm0r03WS_mean vs run
×10^3
χ^2 / ndf 1.615e+04 / 32
p0 1.319e+05 ± 0.7731
132.1
132
131.9
131.8
131.7
131.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −199.8
Std Dev 0
40
20
0
−20
−40
−60
−80

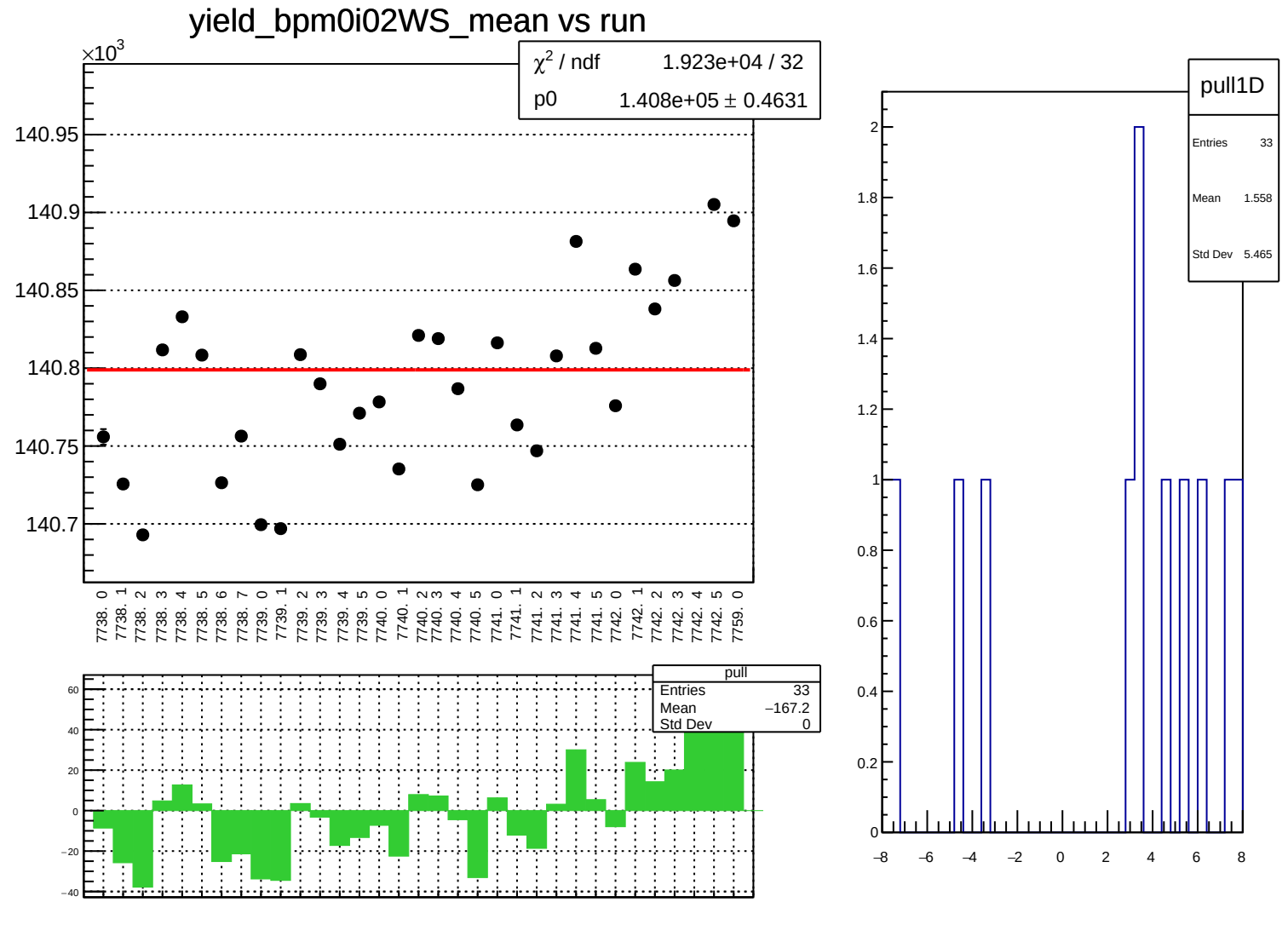

pull1D
Entries 33
Mean −0.3981
Std Dev 3.788
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

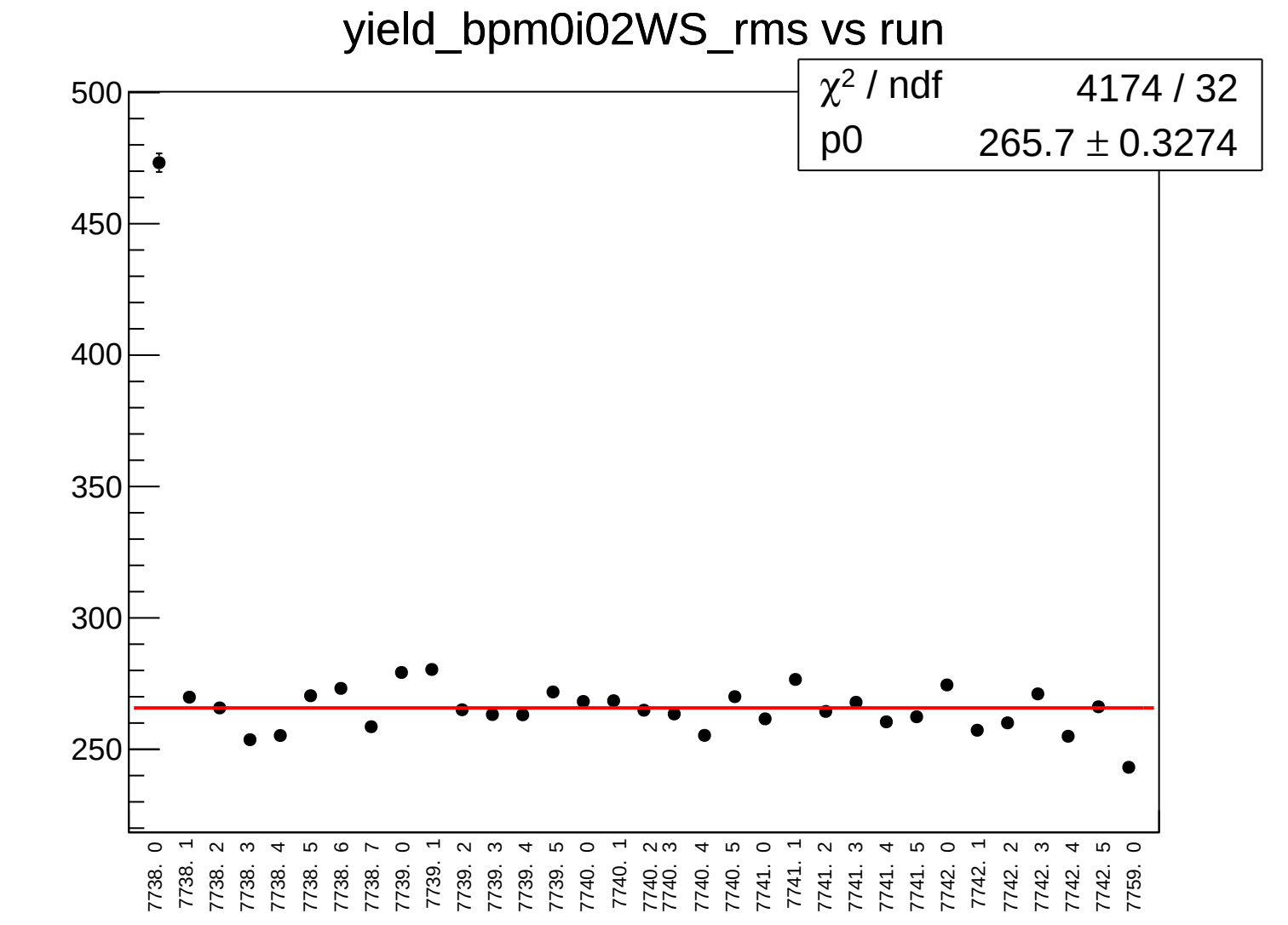

yield_bpm0r03WS_rms vs run
χ² / ndf 556.7 / 32
p0 444.9 ± 0.5467
490
480
470
460
450
440
430
420
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

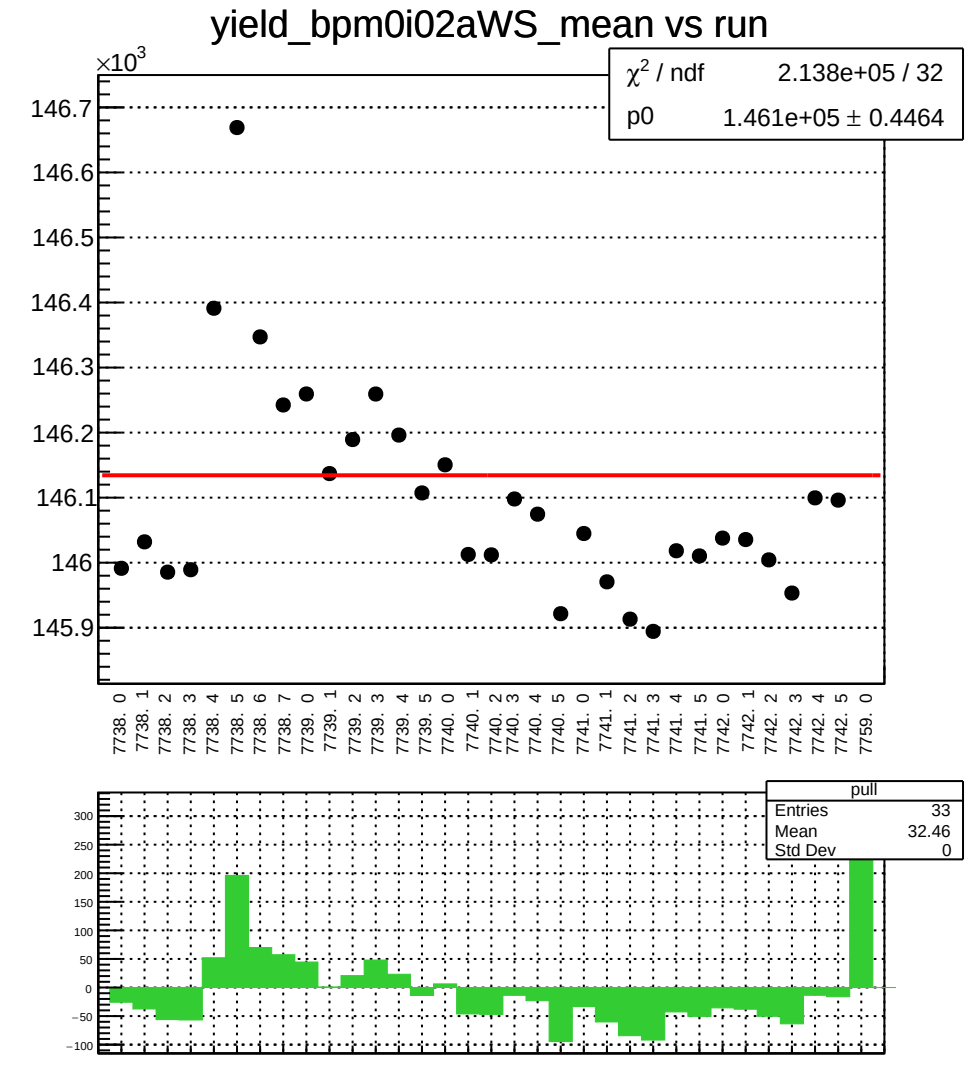

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 3.818e+04 / 32
p0 1.365e+05 ± 0.5211
136.7
136.6
136.5
136.4
136.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −106.4
Std Dev 0
60
40
20
0
−20
−40
−60
−80

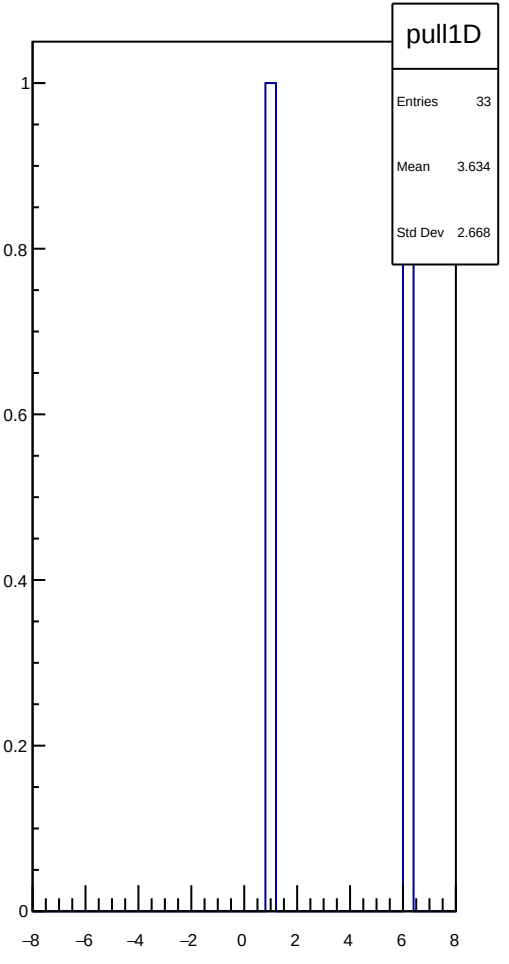

pull1D
Entries 33
Mean 1.783
Std Dev 3.7
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

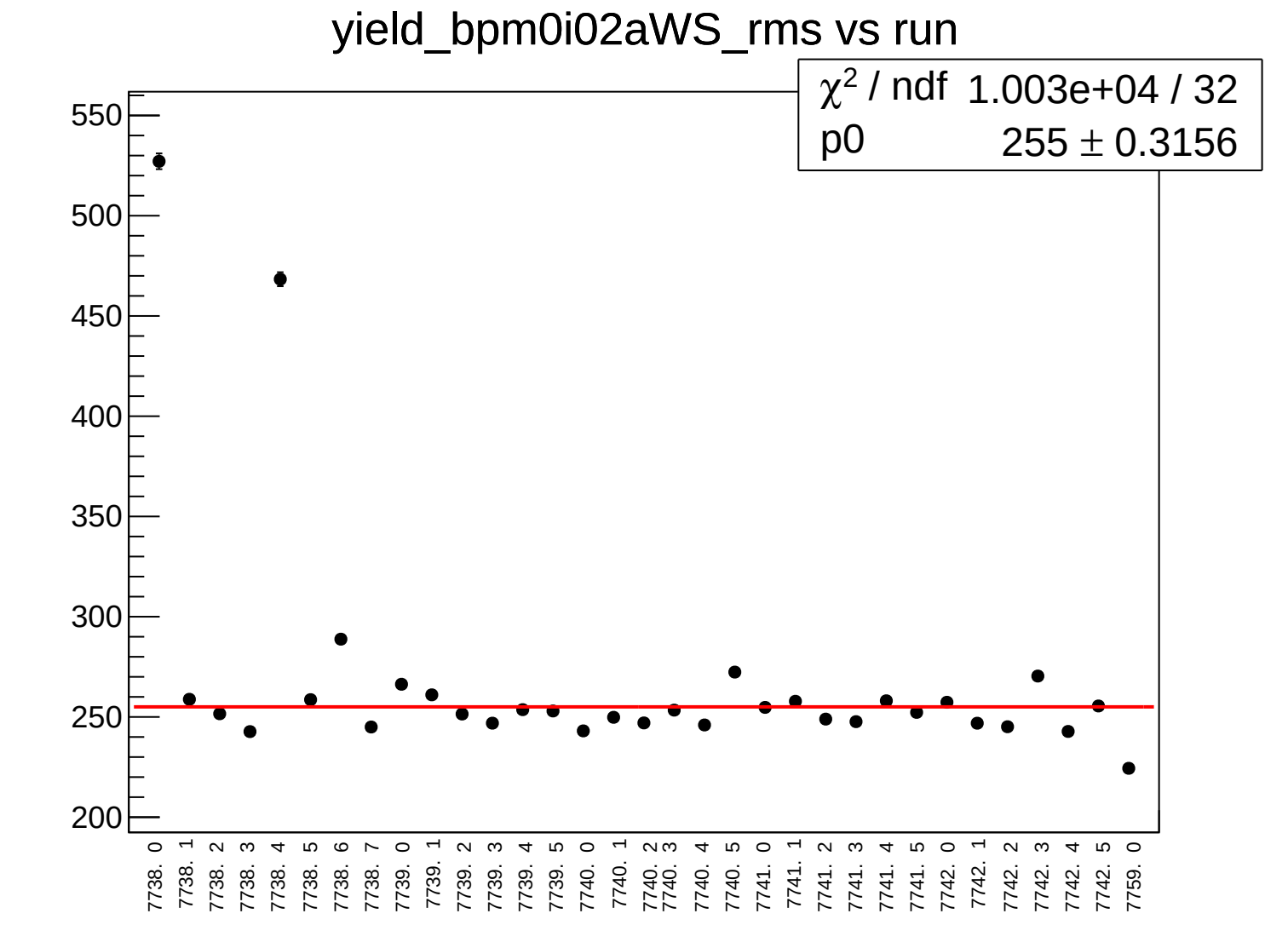

yield_bpm0r05WS_rms vs run
χ² / ndf 2927 / 32
p0 299.3 ± 0.3684
380
360
340
320
300
280
260
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

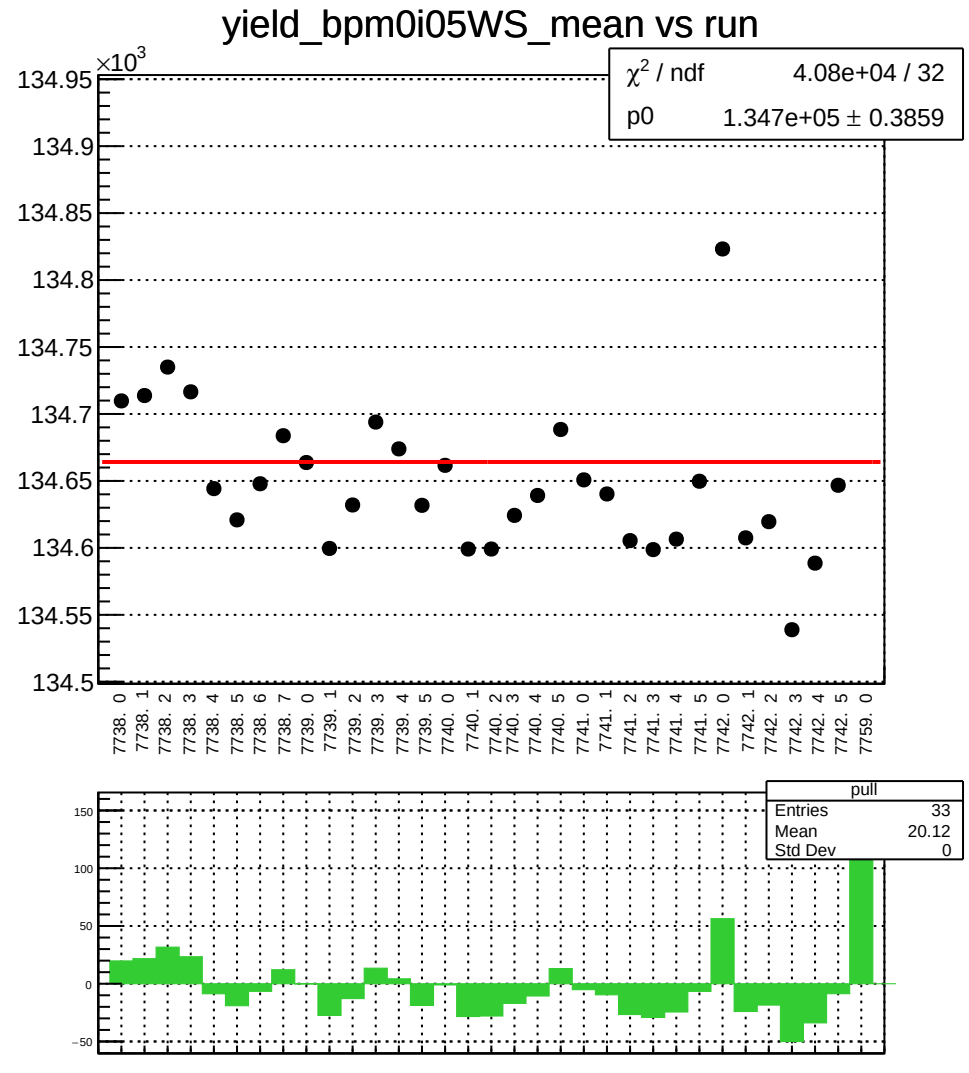

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 1.923e+04 / 32
p0 1.408e+05 ± 0.4631
140.95
140.9
140.85
140.8
140.75
140.7
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −167.2
Std Dev 0
60
40
20
0
−20
−40
pull1D
Entries 33
Mean 1.558
Std Dev 5.465
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

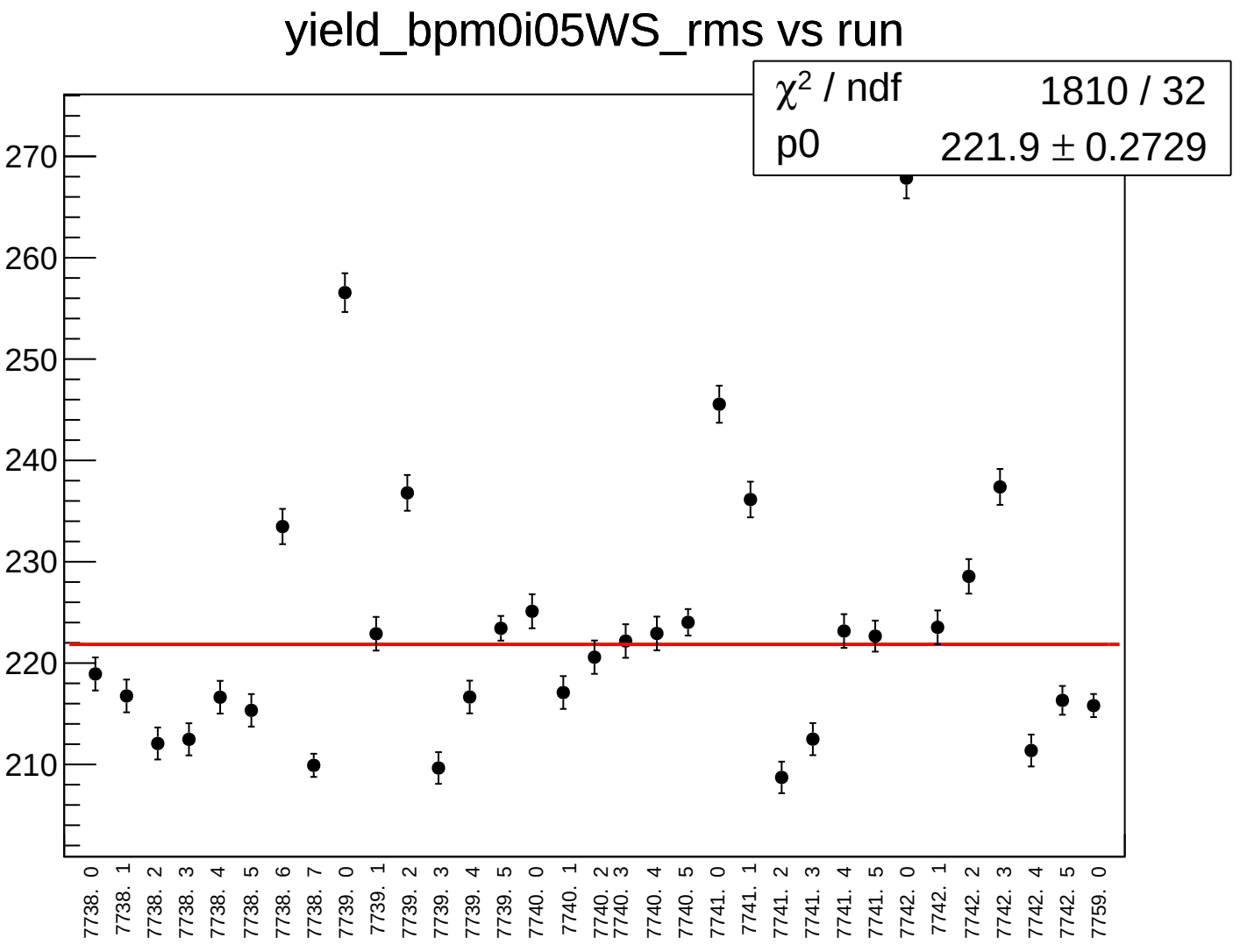

yield_bpm0i02WS_rms vs run
χ² / ndf 4174 / 32
p0 265.7 ± 0.3274
500
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

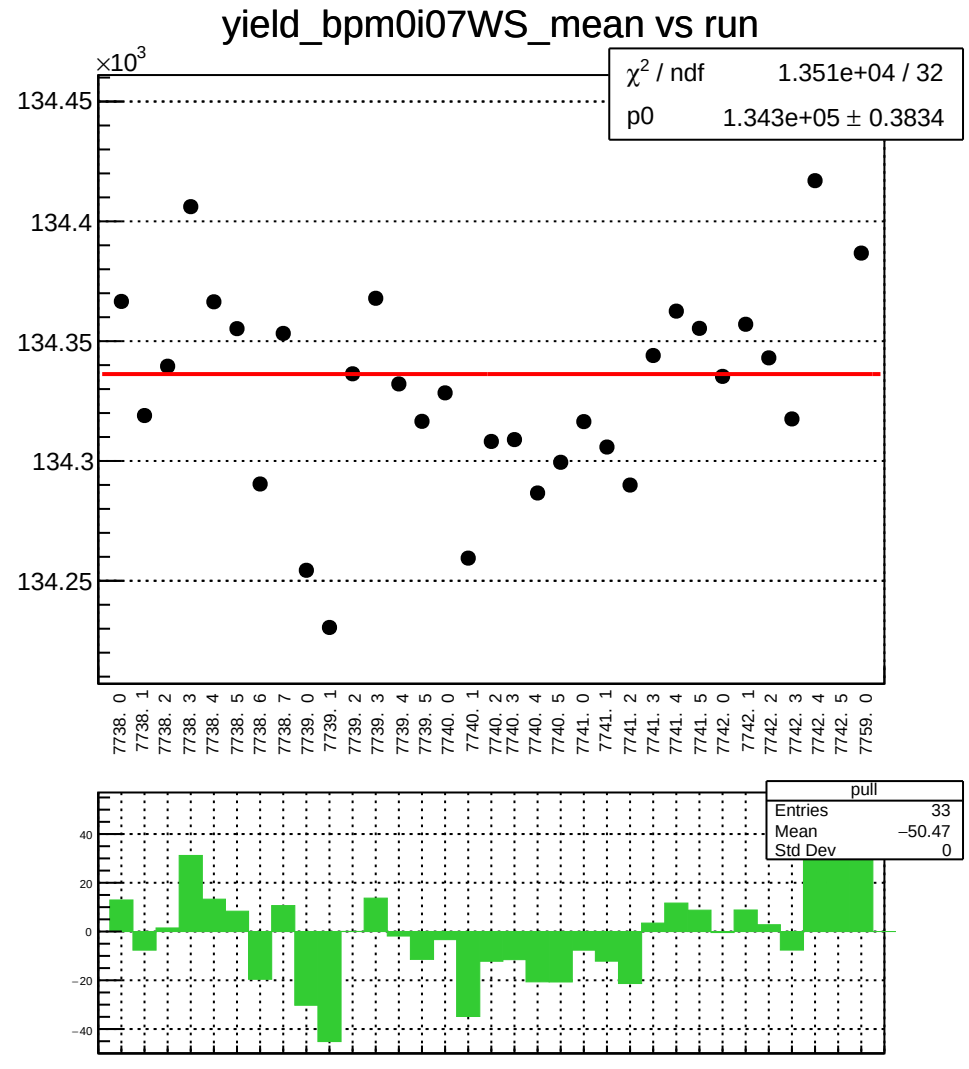

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 2.138e+05 / 32
p0 1.461e+05 ± 0.4464
146.7
146.6
146.5
146.4
146.3
146.2
146.1
146
145.9
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.46
Std Dev 0
300
250
200
150
100
50
0
−50
−100

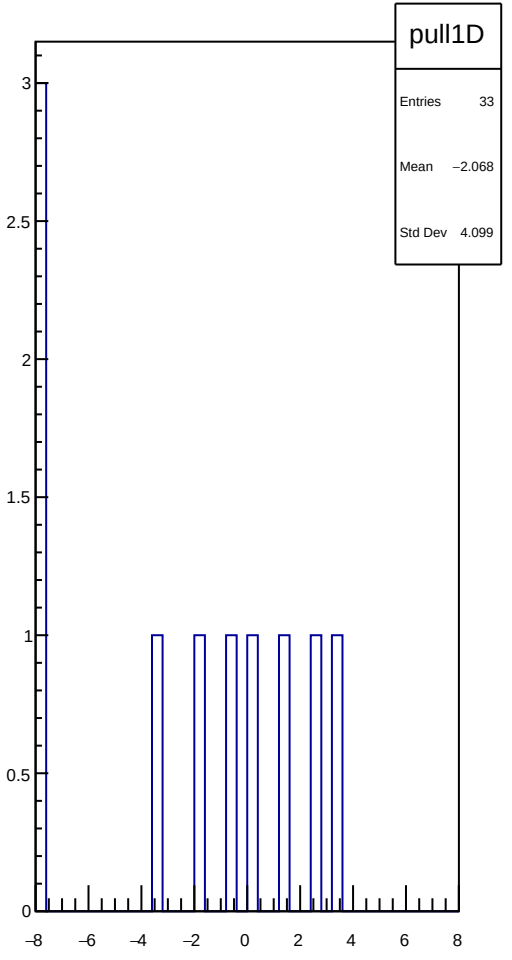

pull1D
Entries 33
Mean 3.634
Std Dev 2.668
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

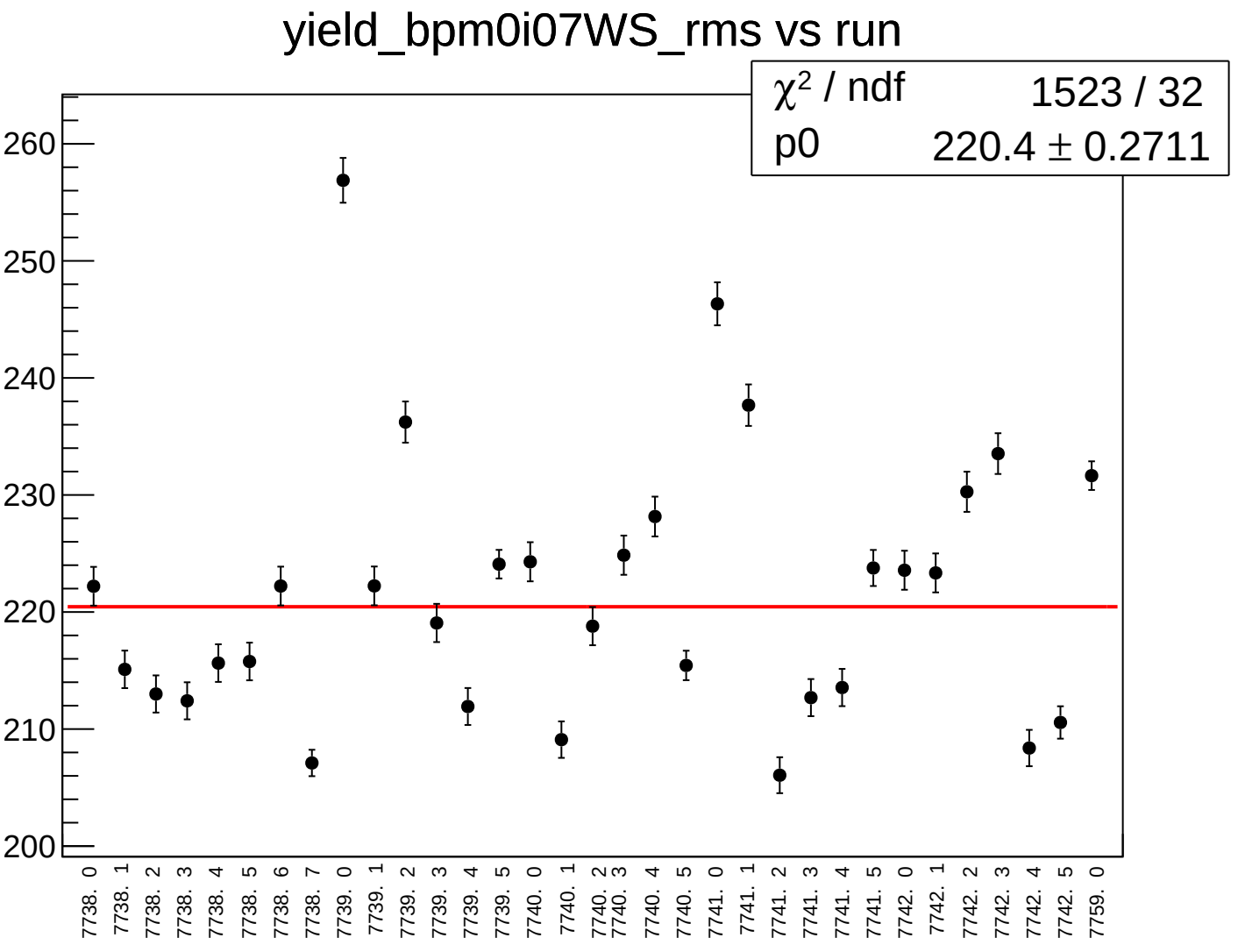

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.003e+04 / 32
p0 255 ± 0.3156
550
500
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

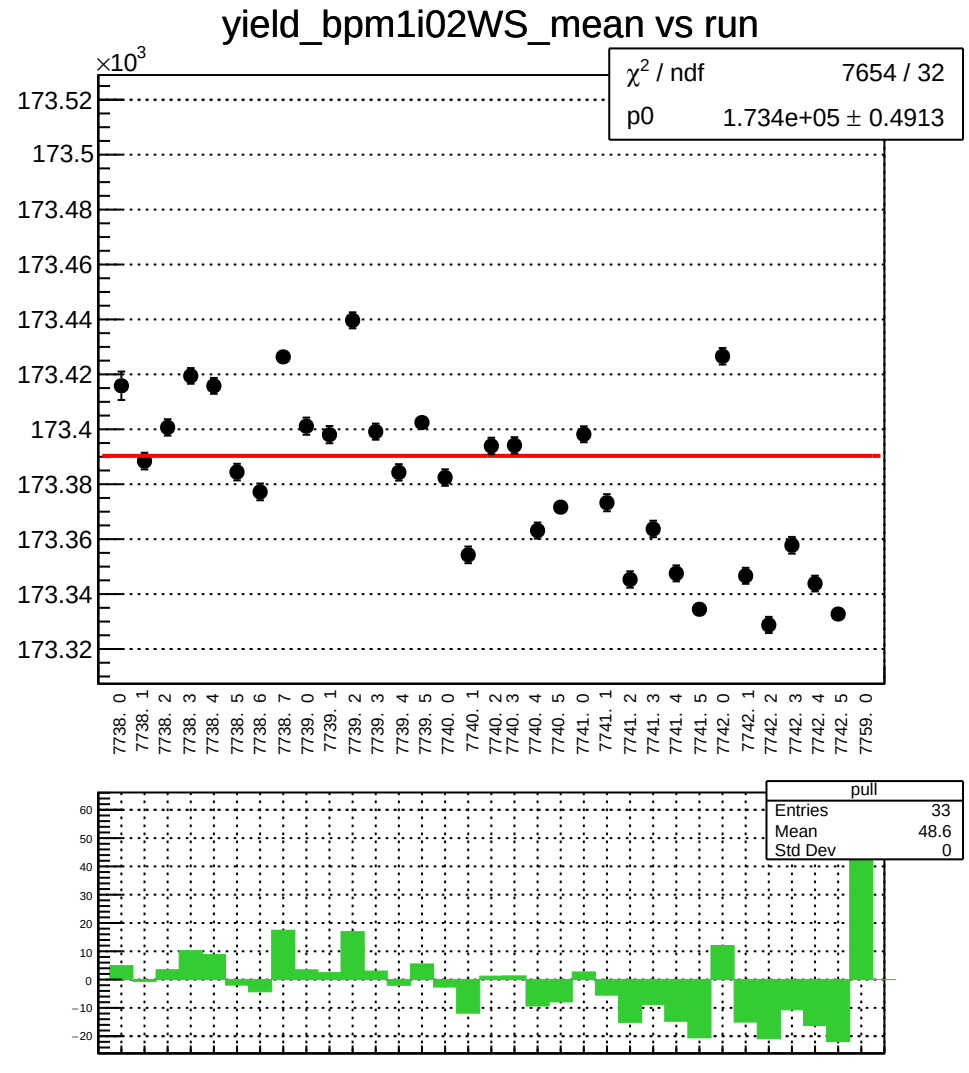

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 4.08e+04 / 32
p0 1.347e+05 ± 0.3859
134.95
134.9
134.85
134.8
134.75
134.7
134.65
134.6
134.55
134.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.12
Std Dev 0
150
100
50
0
−50
pull1D
Entries 33
Mean −2.556
Std Dev 3.971
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

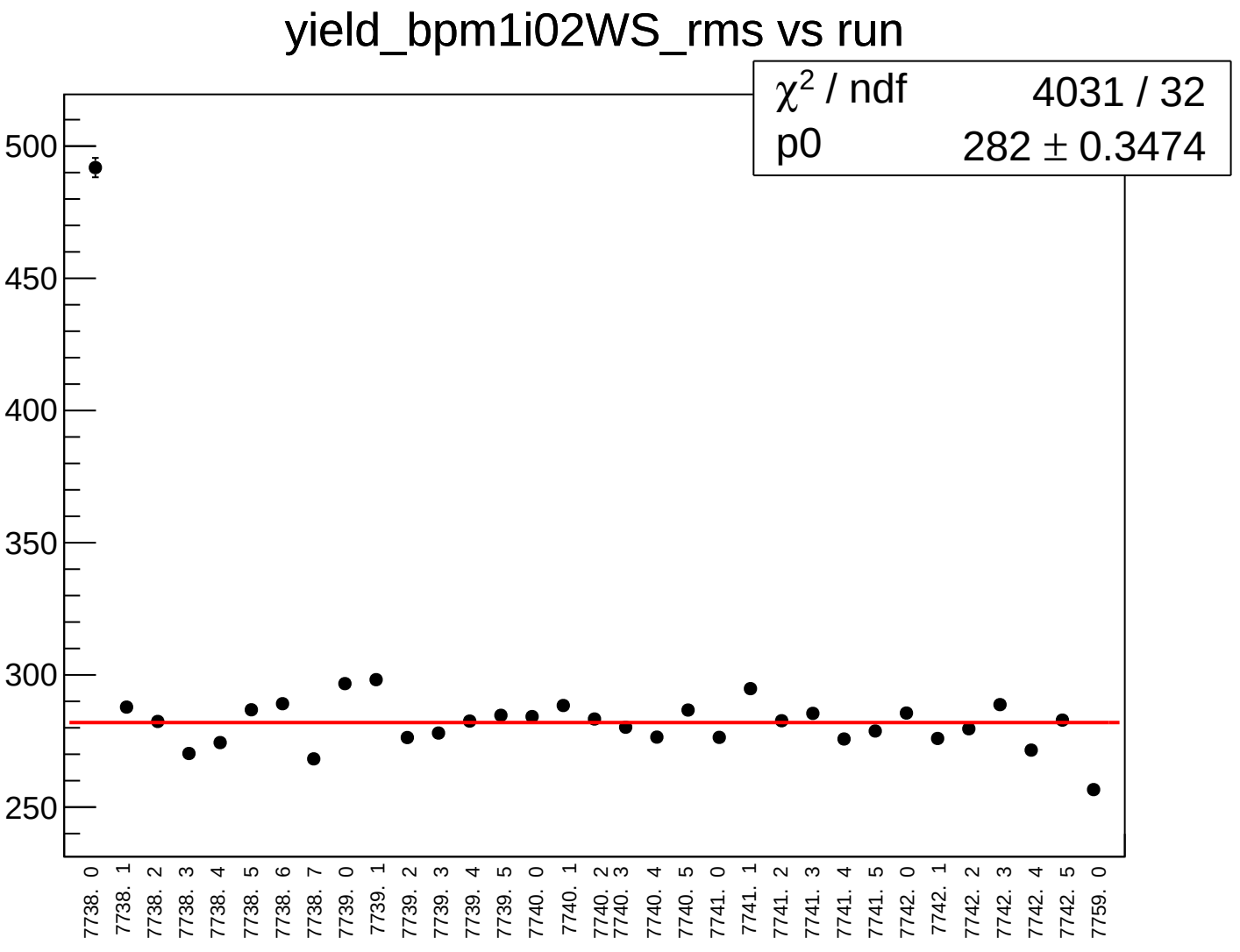

yield_bpm0i05WS_rms vs run
χ² / ndf 1810 / 32
p0 221.9 ± 0.2729
270
260
250
240
230
220
210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

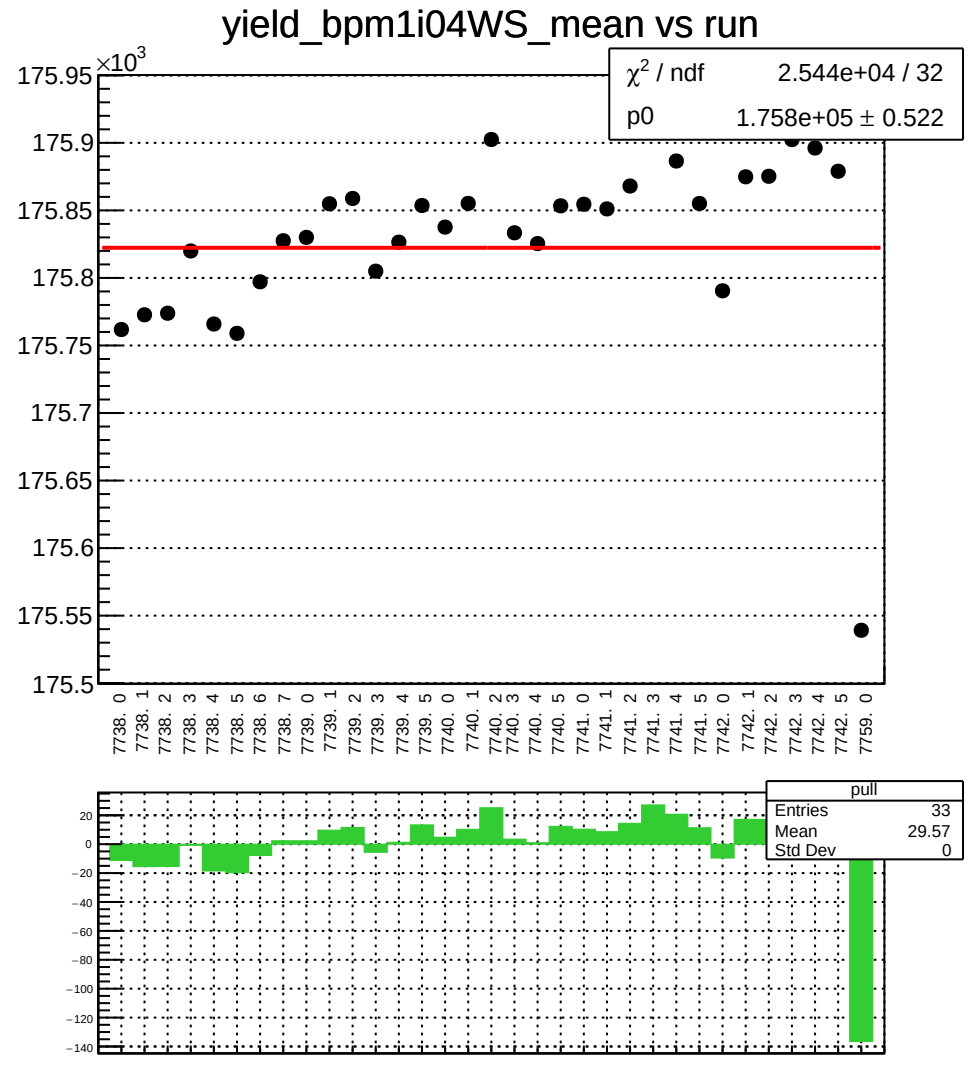

yield_bpm0i07WS_mean vs run
×10^3
χ^2 / ndf 1.351e+04 / 32
p0 1.343e+05 ± 0.3834
134.45
134.4
134.35
134.3
134.25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.47
Std Dev 0
40
20
0
−20
−40

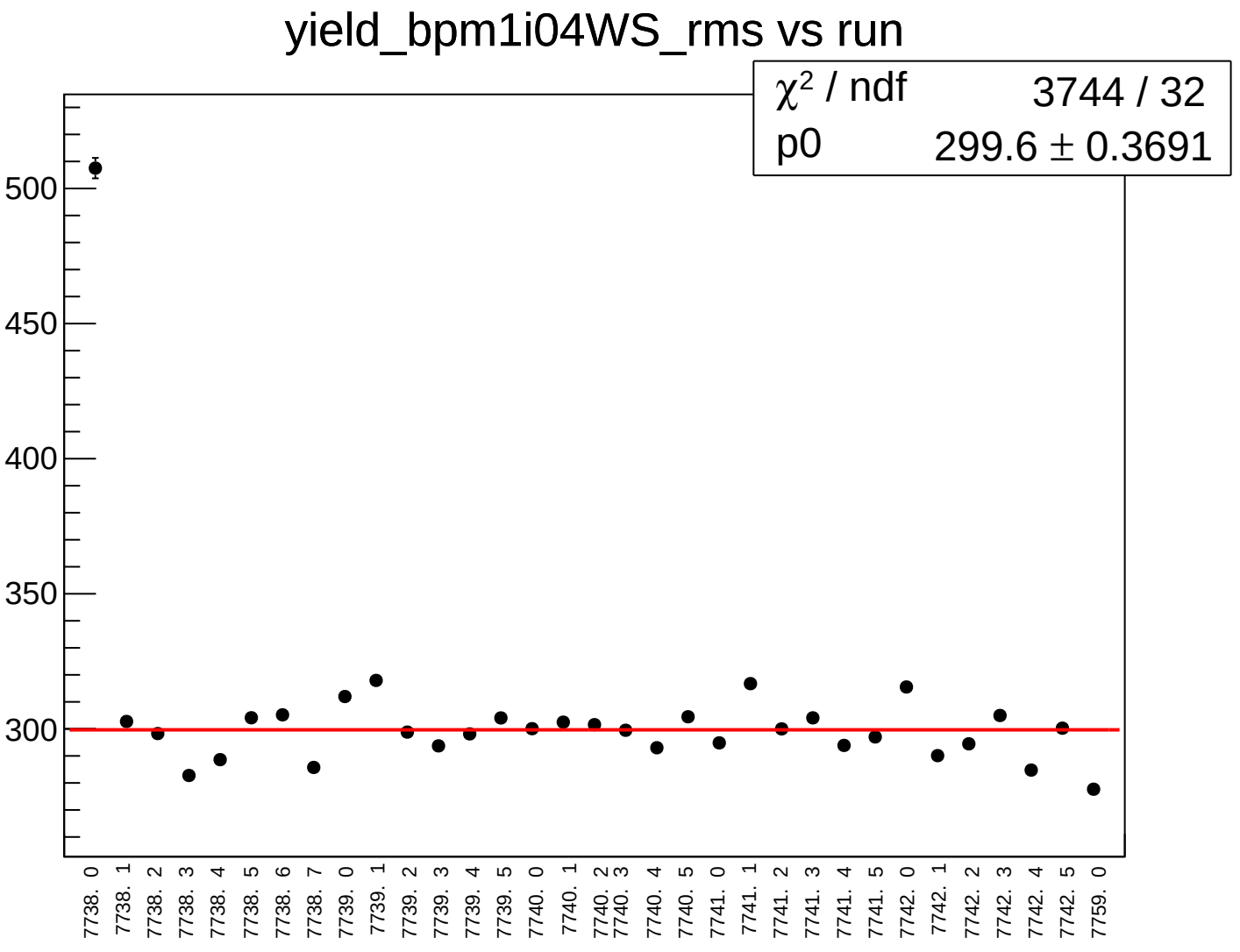

pull1D
Entries 33
Mean −2.068
Std Dev 4.099
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

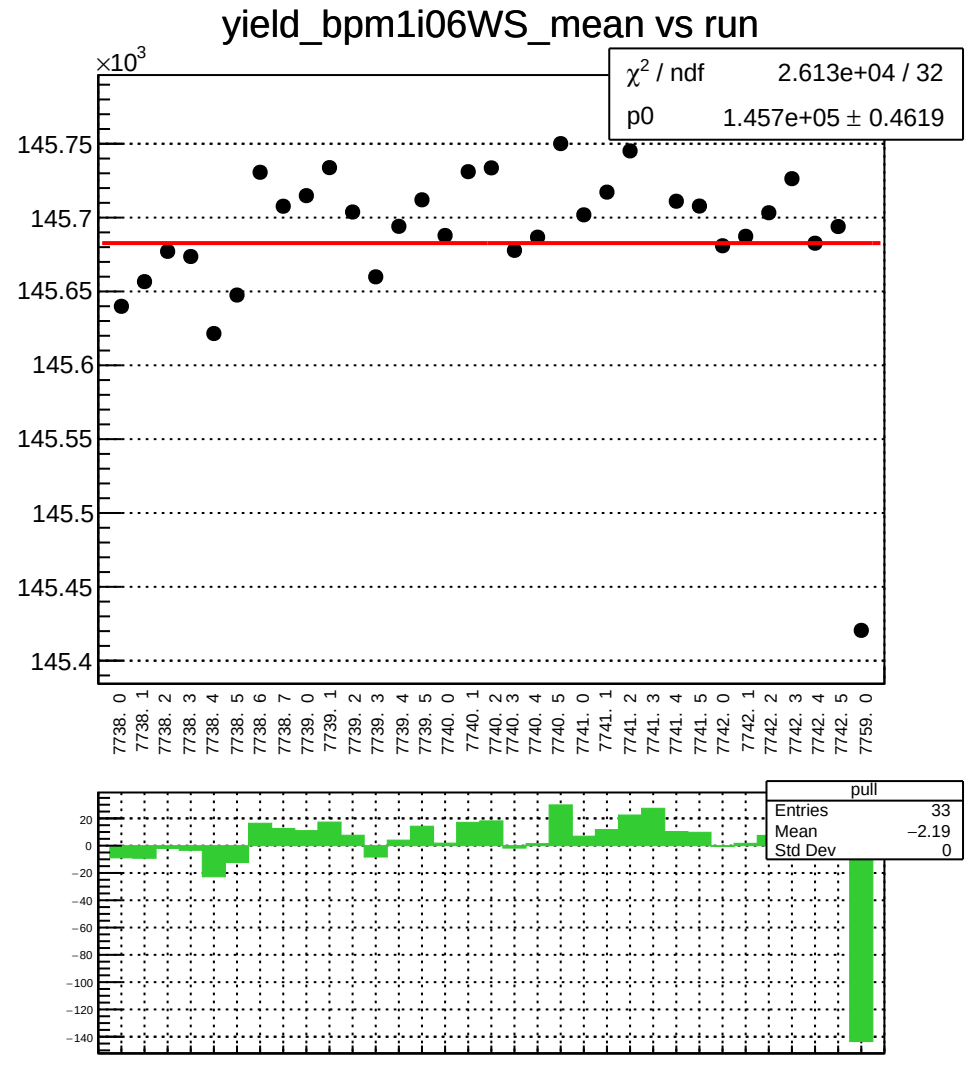

yield_bpm0i07WS_rms vs run
χ² / ndf 1523 / 32
p0 220.4 ± 0.2711
260
250
240
230
220
210
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

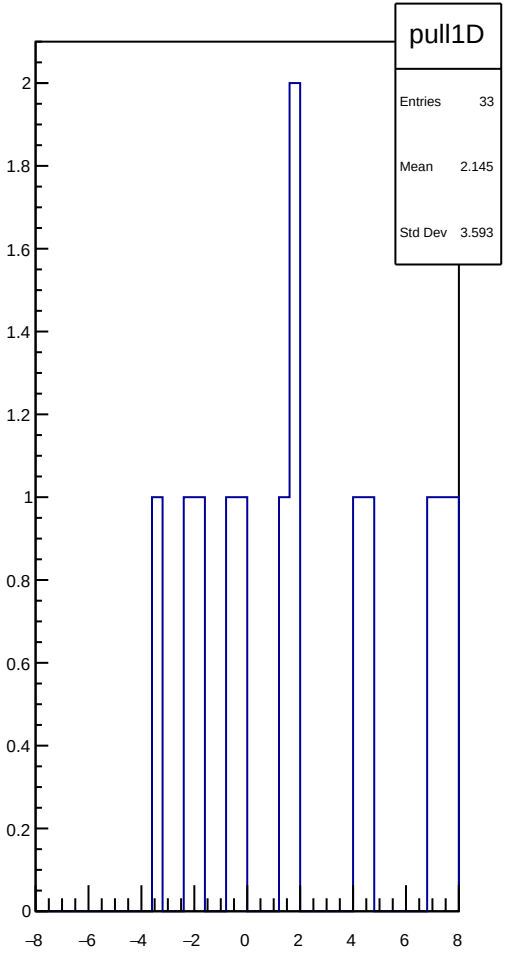

yield_bpm1i02WS_mean vs run
×10^3
χ^2 / ndf 7654 / 32
p0 1.734e+05 ± 0.4913
173.52
173.5
173.48
173.46
173.44
173.42
173.4
173.38
173.36
173.34
173.32
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 48.6
Std Dev 0
60
50
40
30
20
10
0
−10
−20
pull1D
Entries 33
Mean 0.197
Std Dev 3.79
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

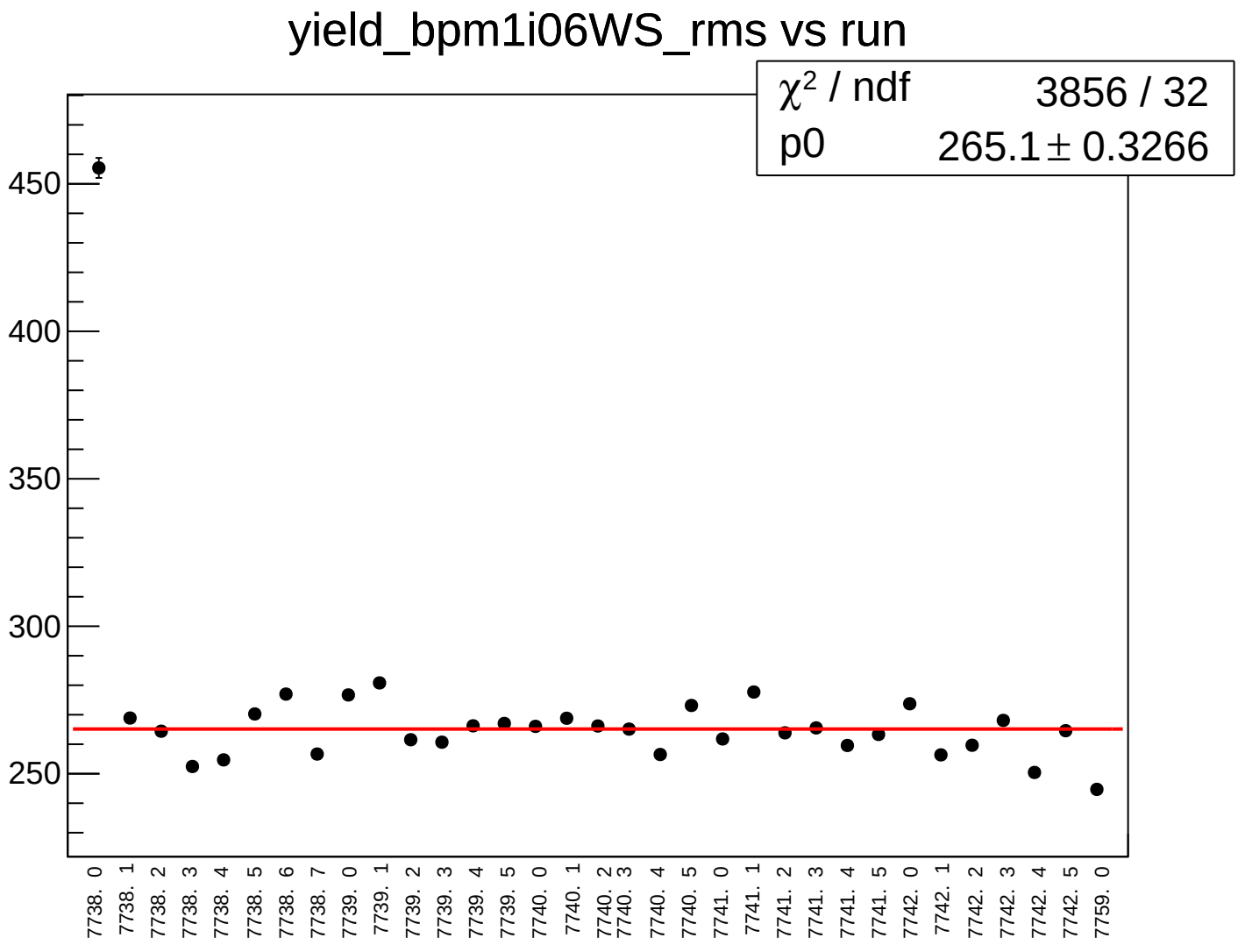

yield_bpm1i02WS_rms vs run
χ² / ndf 4031 / 32
p0 282 ± 0.3474
500
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

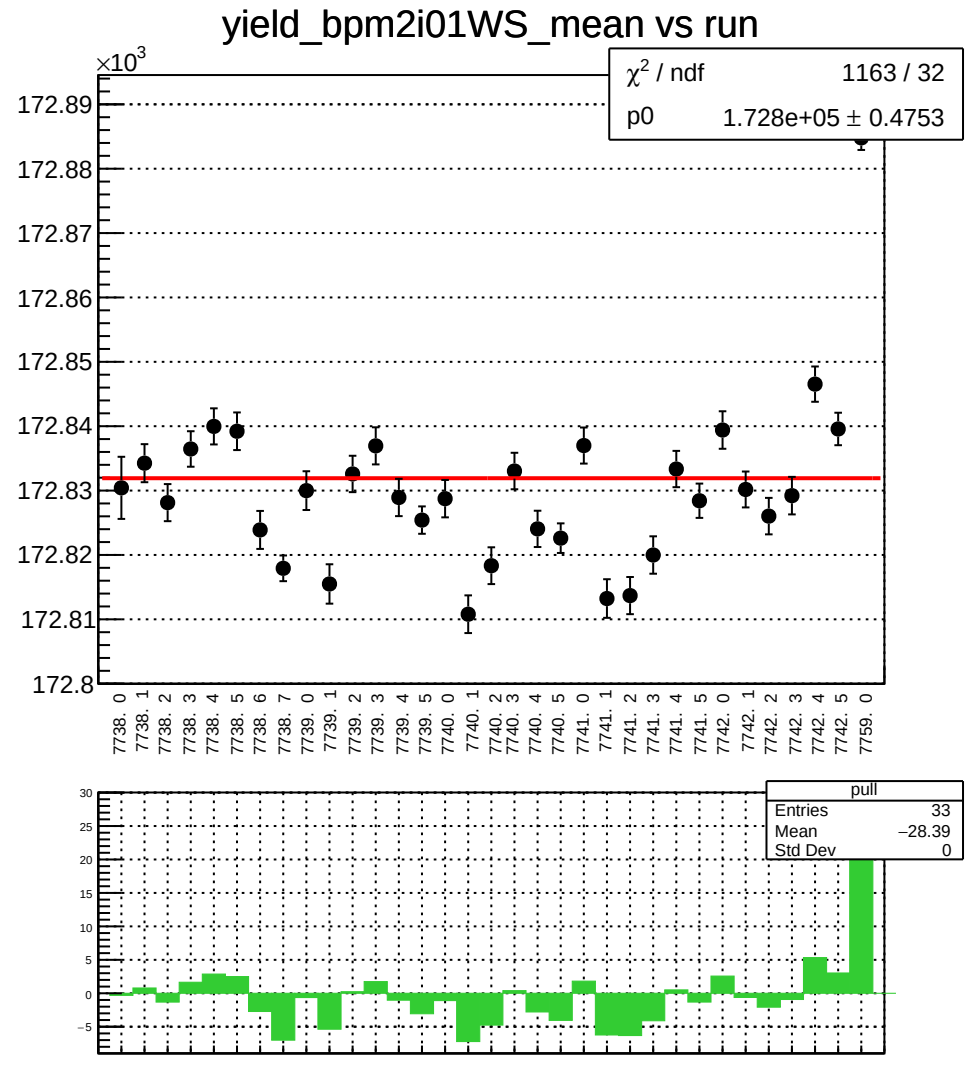

yield_bpm1i04WS_mean vs run
χ² / ndf 2.544e+04 / 32
p0 1.758e+05 ± 0.522
×10³
175.95
175.9
175.85
175.8
175.75
175.7
175.65
175.6
175.55
175.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.57
Std Dev 0
20
0
−20
−40
−60
−80
−100
−120
−140
pull1D
Entries 33
Mean 0.1274
Std Dev 3.982
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

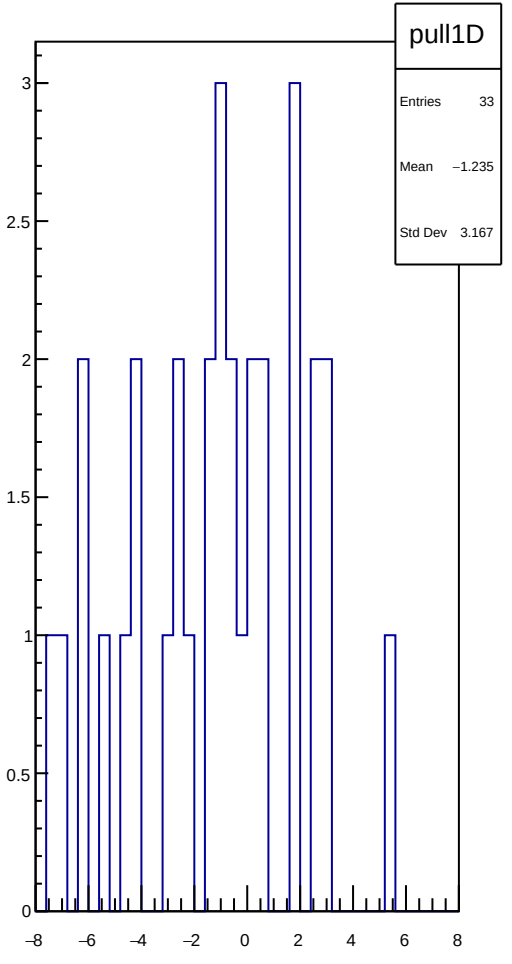

yield_bpm1i04WS_rms vs run
χ² / ndf 3744 / 32
p0 299.6 ± 0.3691
500
450
400
350
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

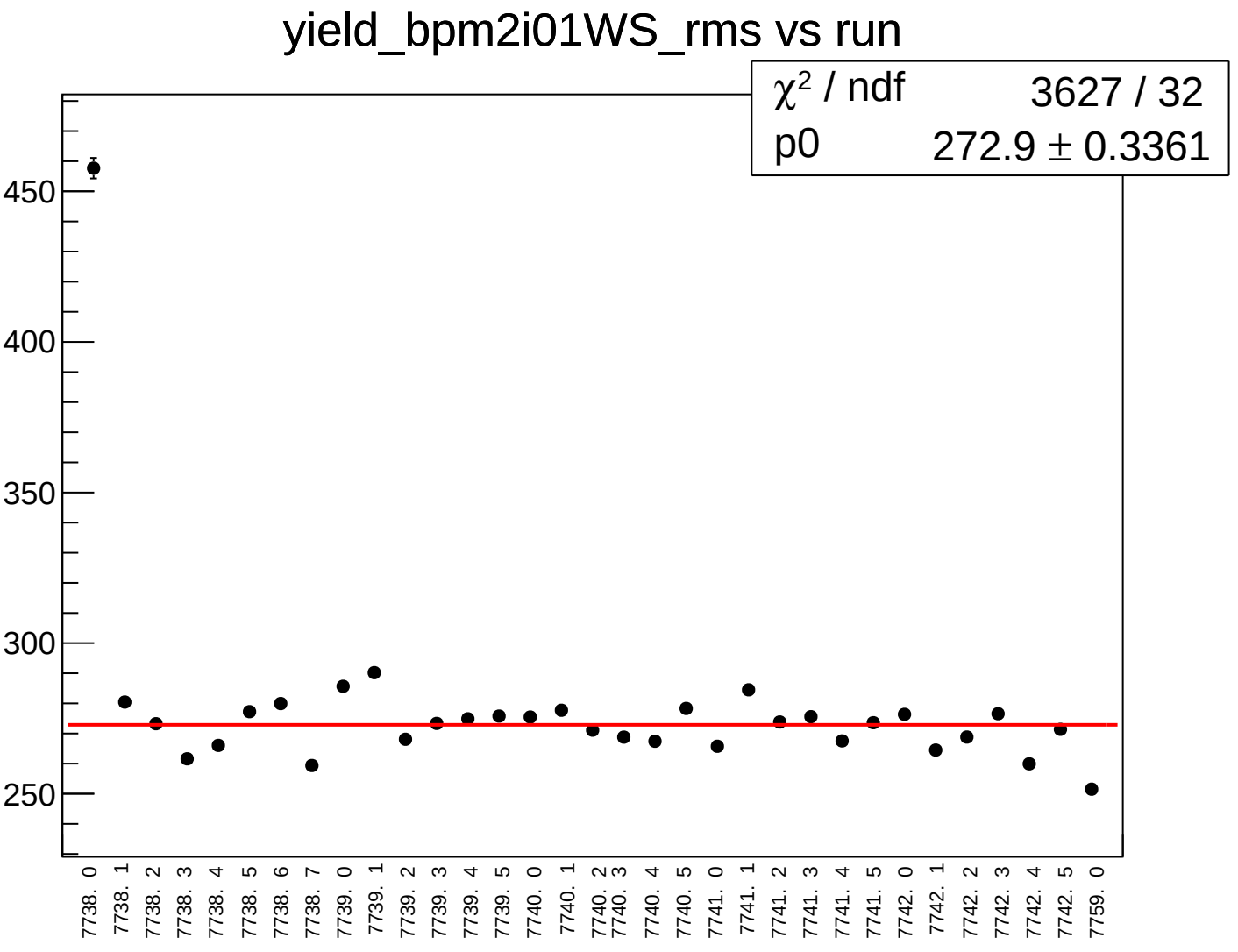

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 2.613e+04 / 32
p0 1.457e+05 ± 0.4619
145.75
145.7
145.65
145.6
145.55
145.5
145.45
145.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.19
Std Dev 0
20
0
−20
−40
−60
−80
−100
−120
−140

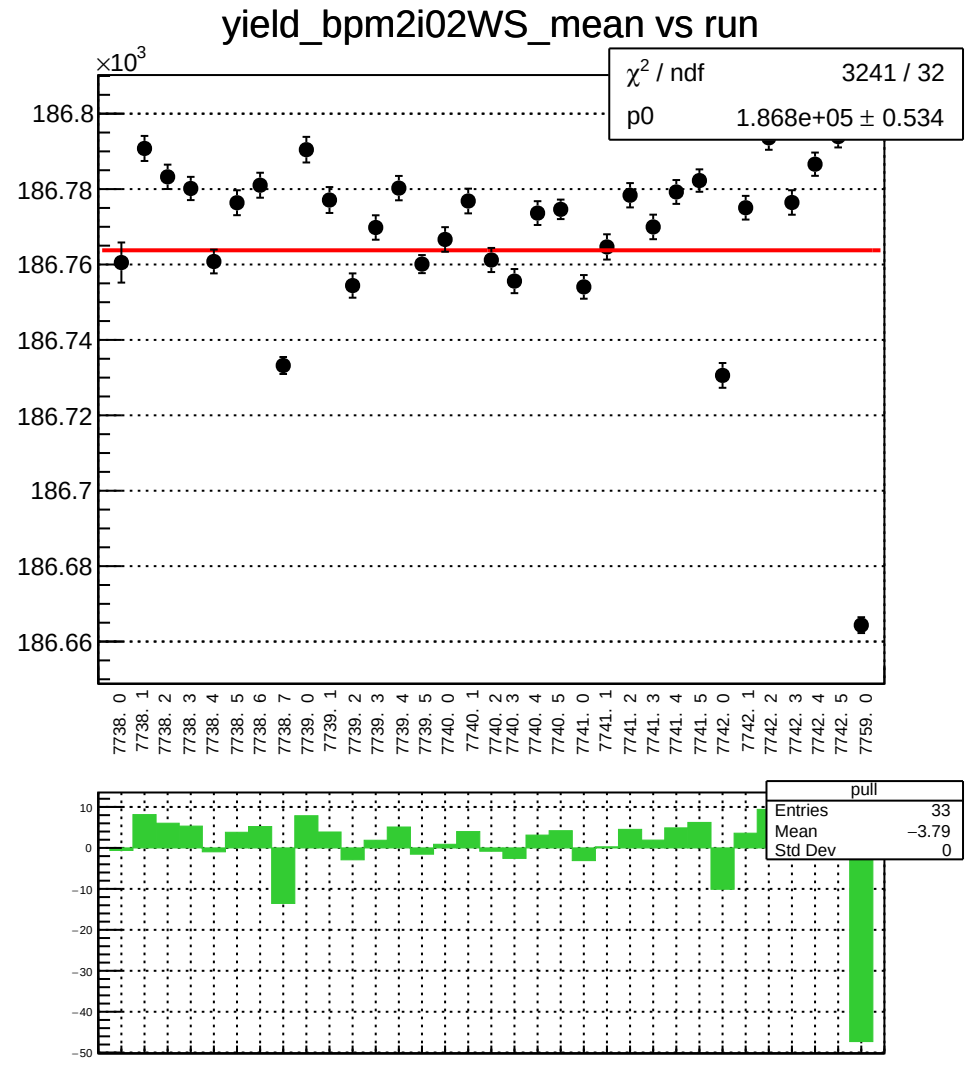

pull1D
Entries 33
Mean 2.145
Std Dev 3.593
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

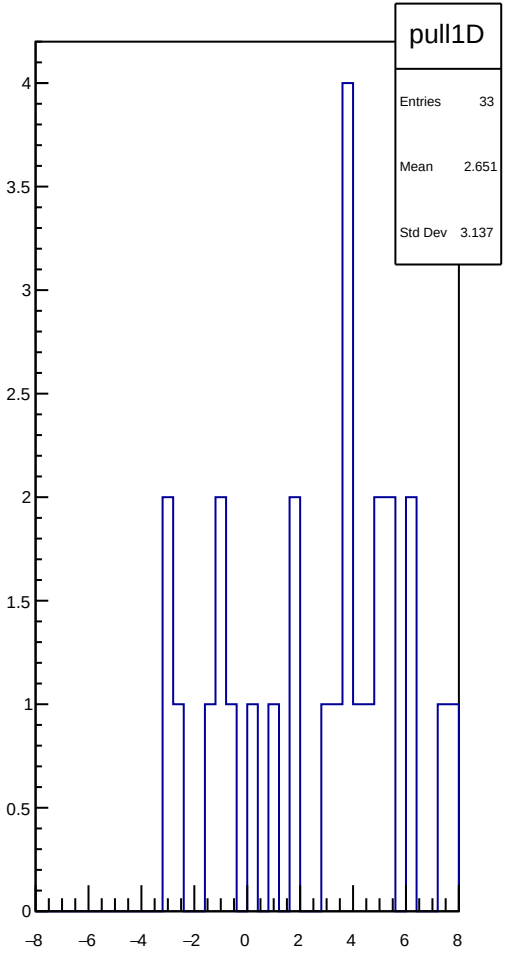

yield_bpm1i06WS_rms vs run
χ² / ndf 3856 / 32
p0 265.1 ± 0.3266
450
400
350
300
250
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

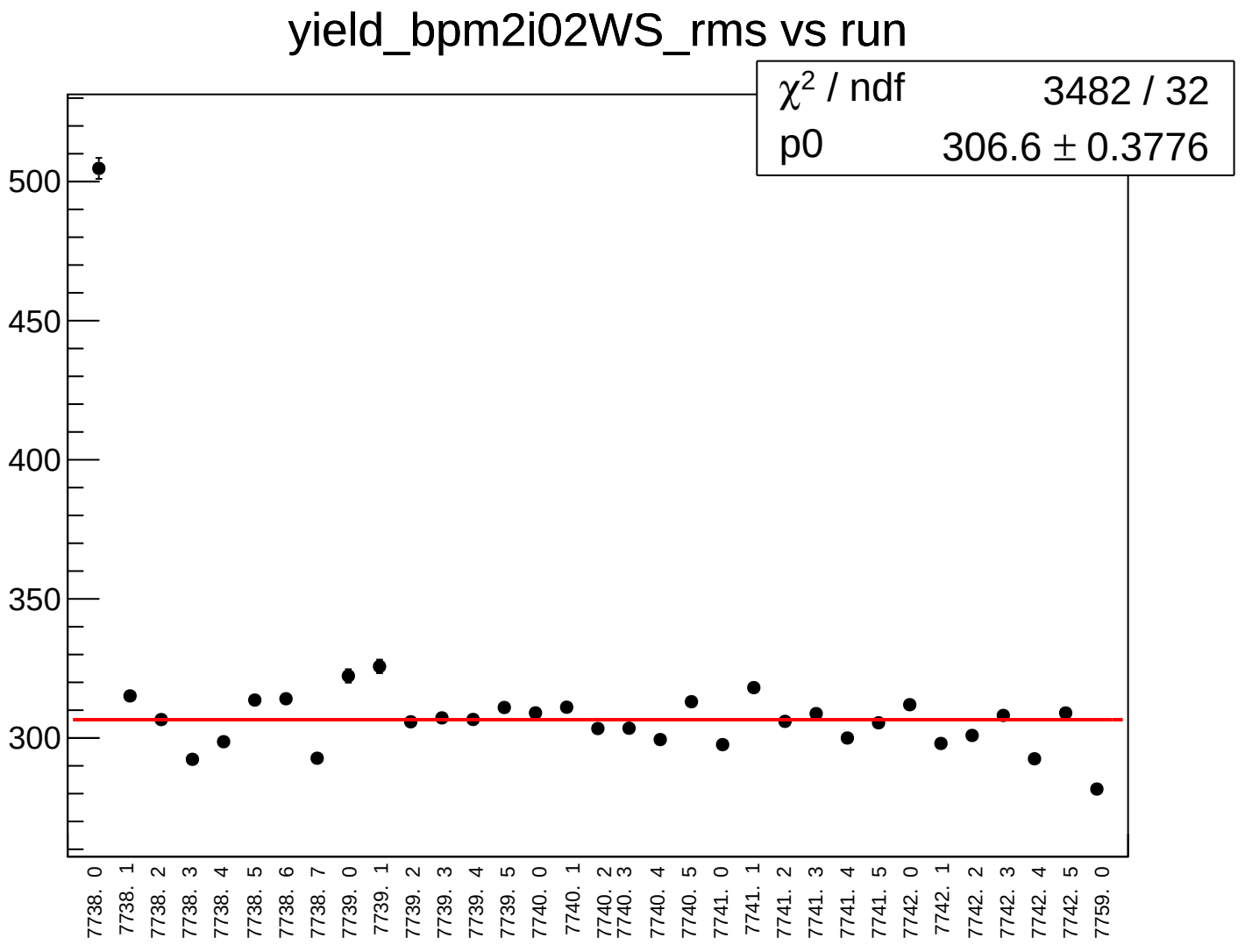

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1163 / 32
p0 1.728e+05 ± 0.4753
172.89
172.88
172.87
172.86
172.85
172.84
172.83
172.82
172.81
172.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.39
Std Dev 0
30
25
20
15
10
5
0
−5

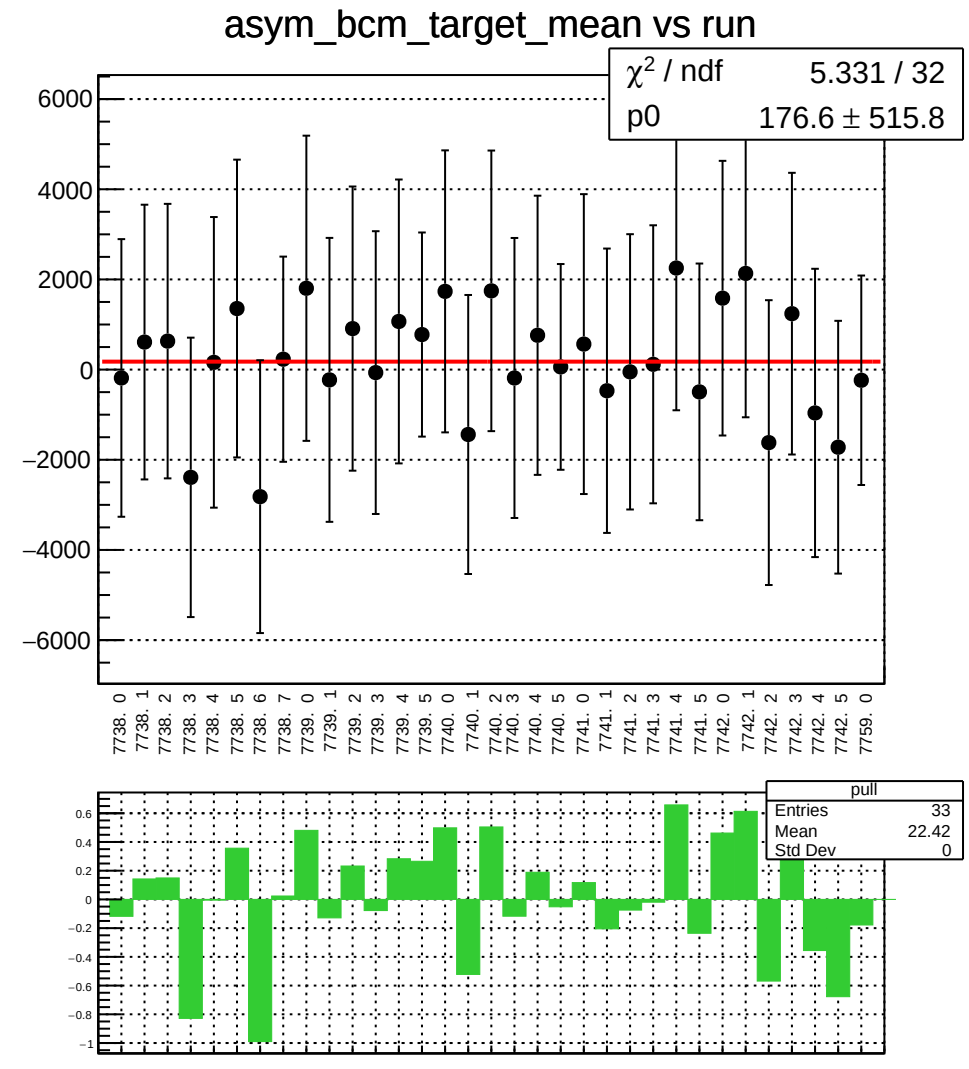

pull1D
Entries 33
Mean −1.235
Std Dev 3.167
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

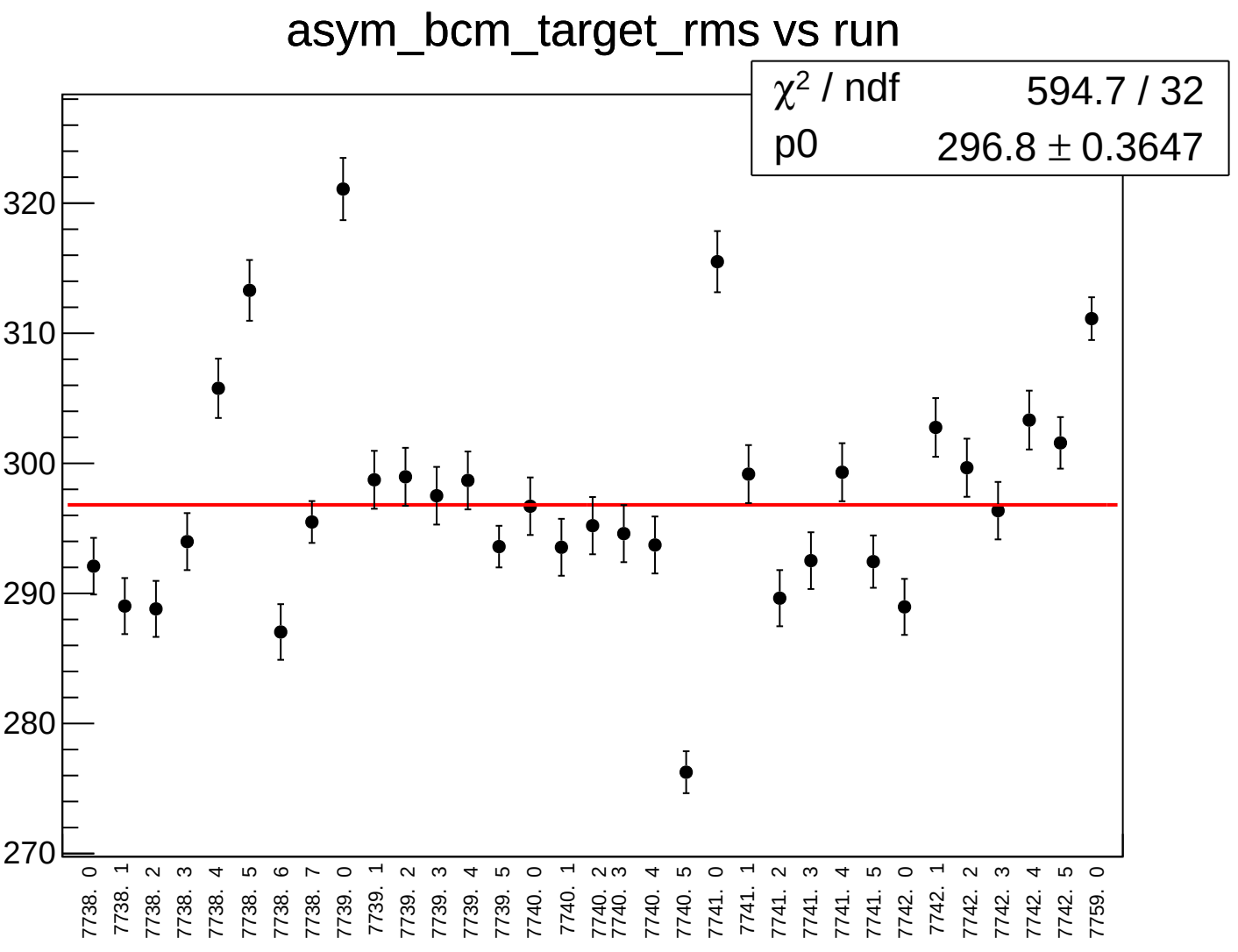

yield_bpm2i01WS_rms vs run
χ² / ndf 3627 / 32
p0 272.9 ± 0.3361
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

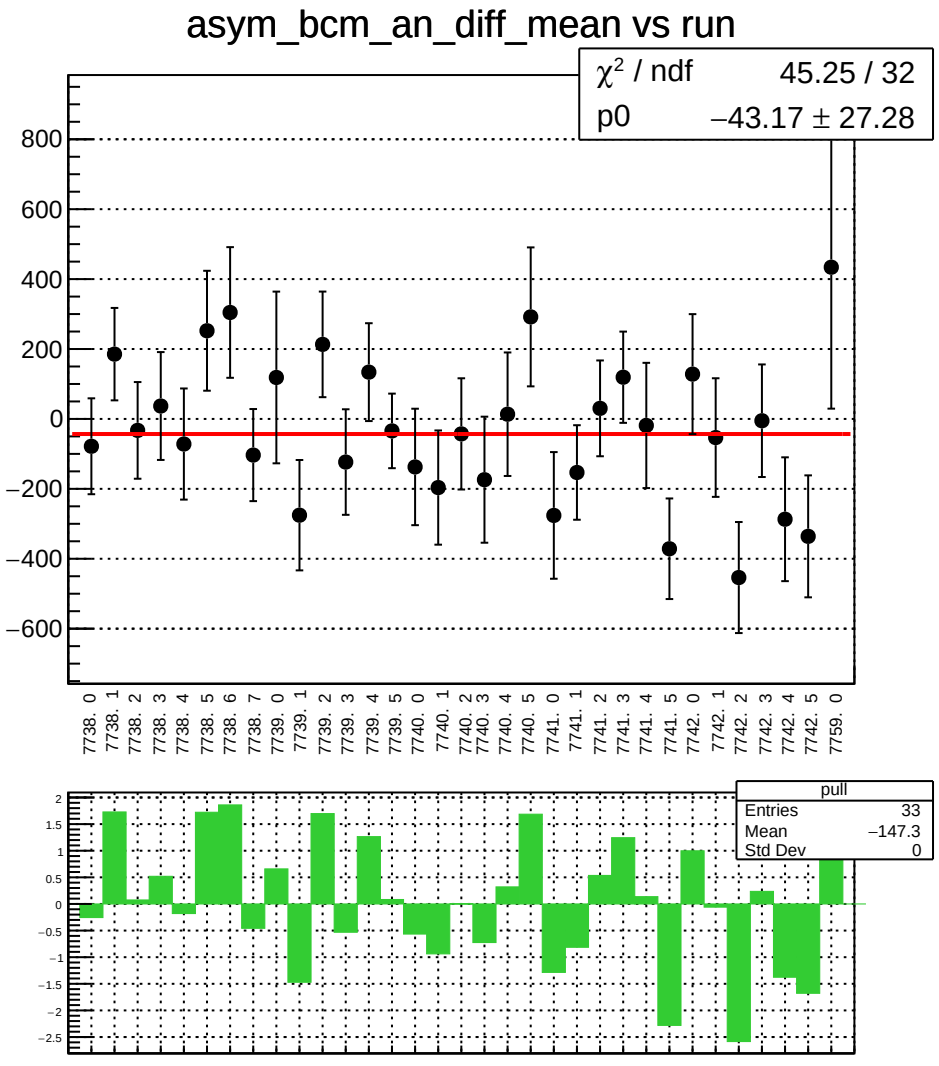

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 3241 / 32
p0 1.868e+05 ± 0.534
186.8
186.78
186.76
186.74
186.72
186.7
186.68
186.66
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.79
Std Dev 0
10
0
−10
−20
−30
−40
−50

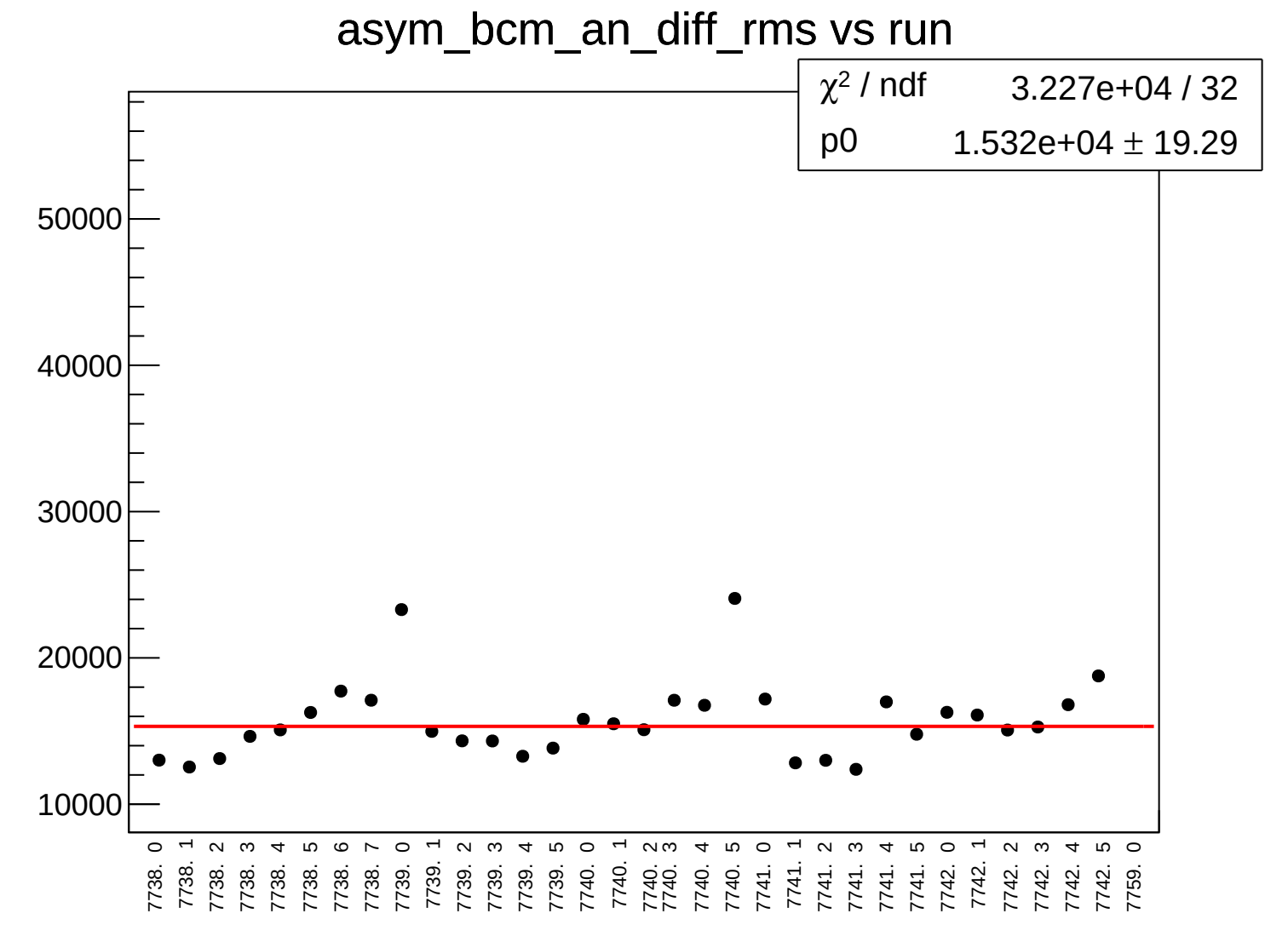

pull1D
Entries 33
Mean 2.651
Std Dev 3.137
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

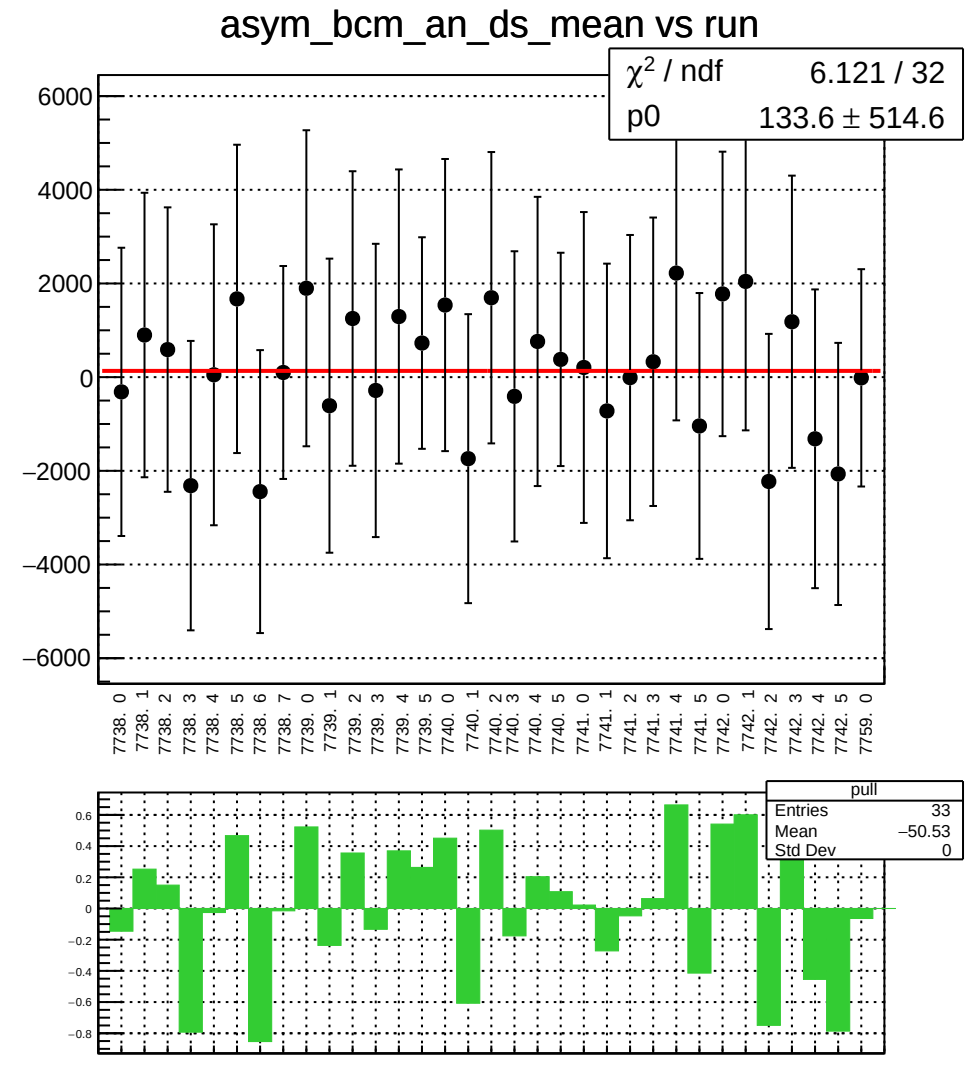

yield_bpm2i02WS_rms vs run
χ² / ndf 3482 / 32
p0 306.6 ± 0.3776
500
450
400
350
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

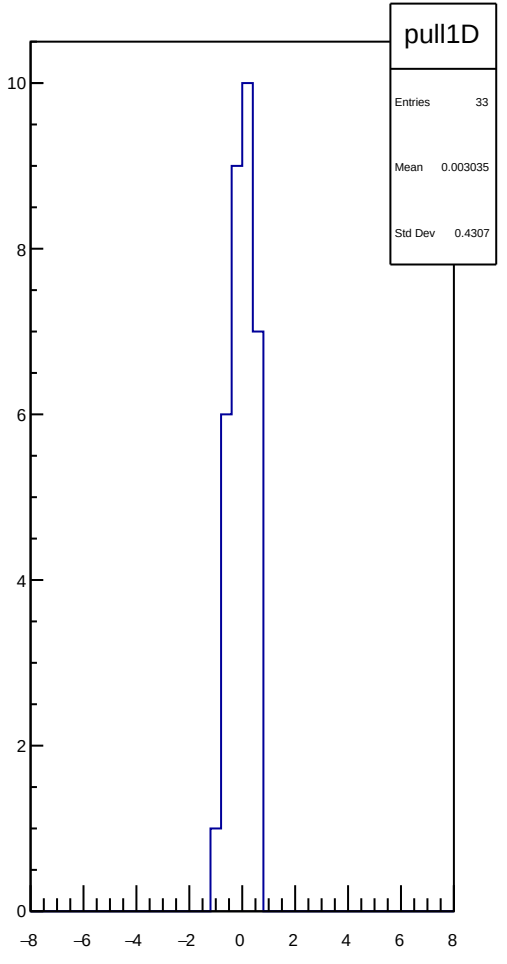

asym_bcm_target_mean vs run
χ² / ndf 5.331 / 32
p0 176.6 ± 515.8
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.42
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 33
Mean 0.005035
Std Dev 0.4019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

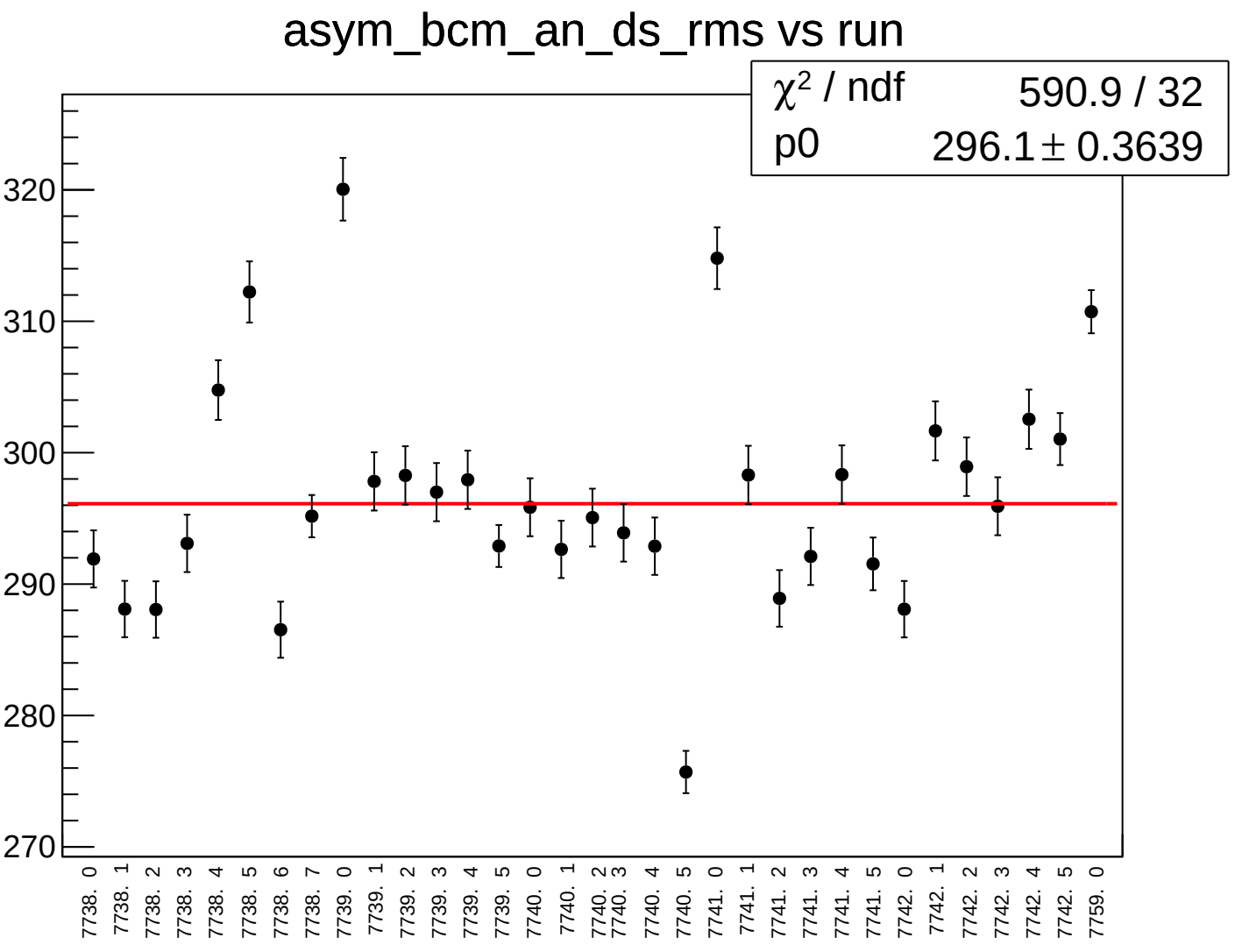

asym_bcm_target_rms vs run
χ² / ndf 594.7 / 32
p0 296.8 ± 0.3647
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

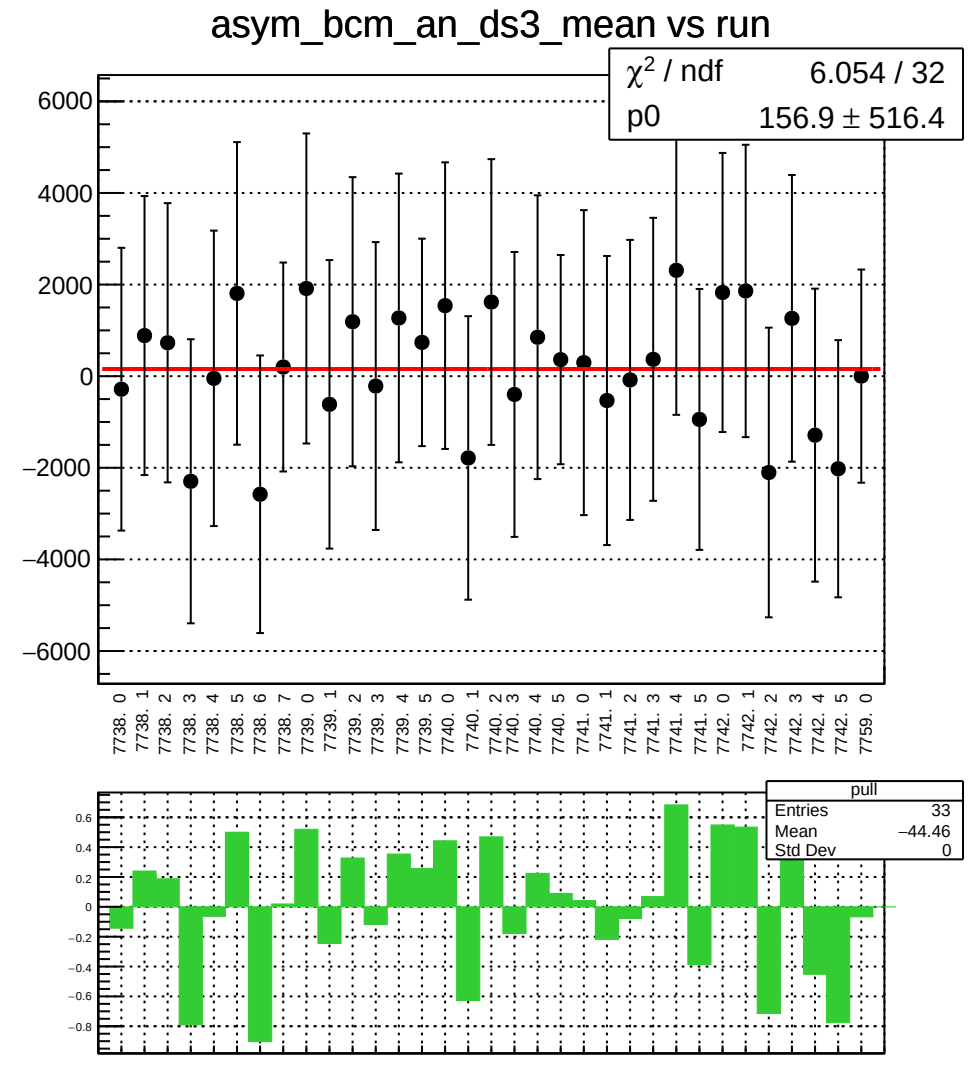

asym_bcm_an_diff_mean vs run
χ² / ndf 45.25 / 32
p0 −43.17 ± 27.28
800
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −147.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.02268
Std Dev 1.171
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

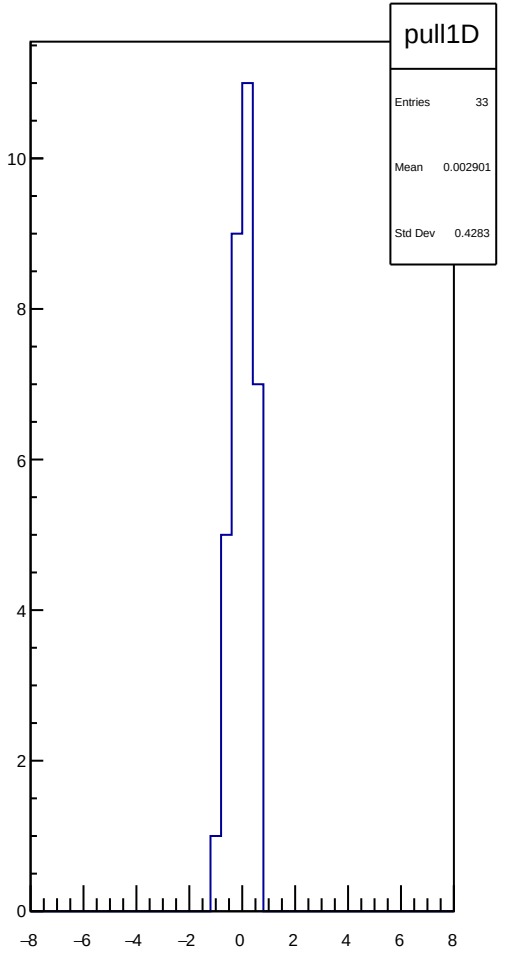

asym_bcm_an_diff_rms vs run
χ² / ndf 3.227e+04 / 32
p0 1.532e+04 ± 19.29
50000
40000
30000
20000
10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

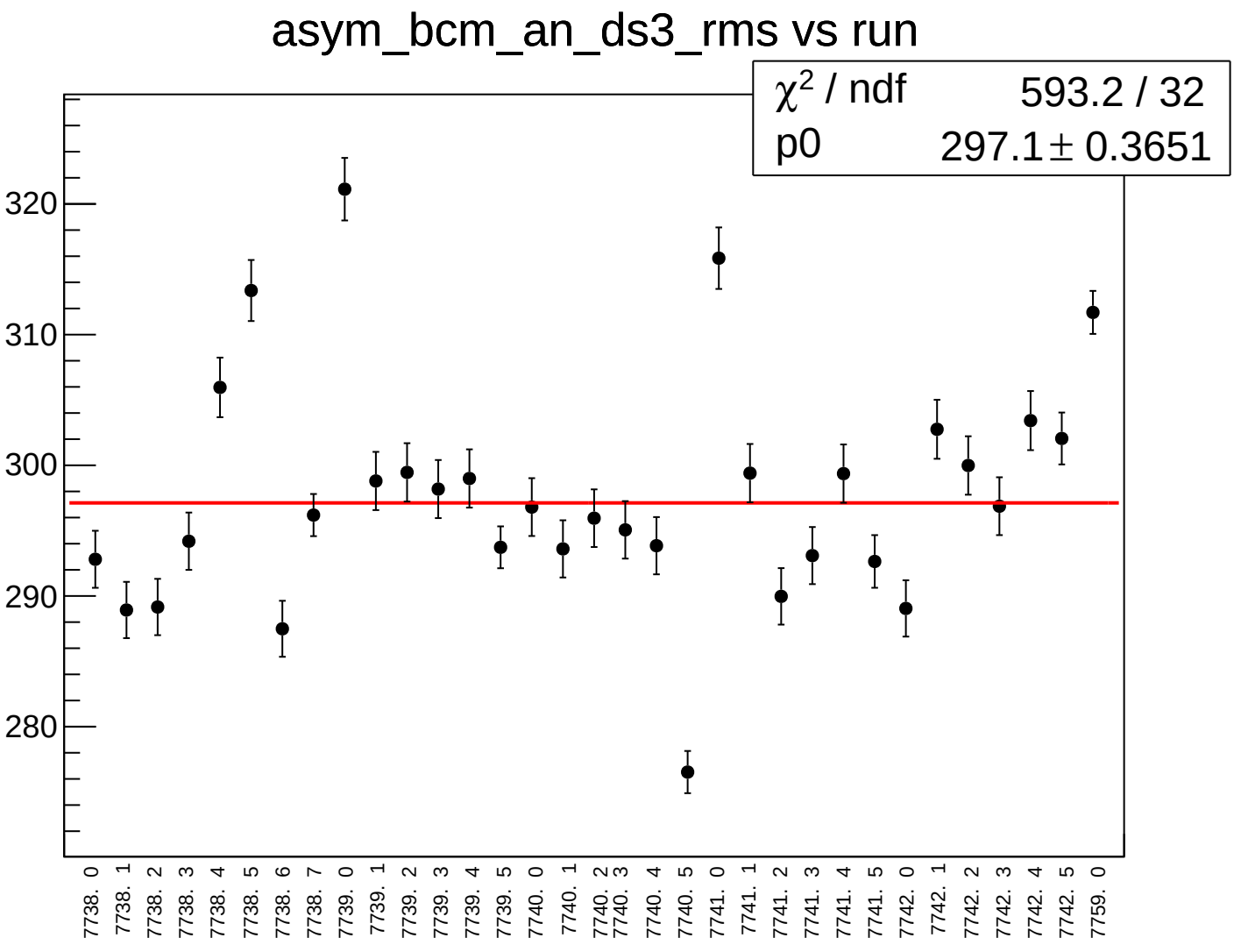

asym_bcm_an_ds_mean vs run
χ² / ndf 6.121 / 32
p0 133.6 ± 514.6
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −50.53
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

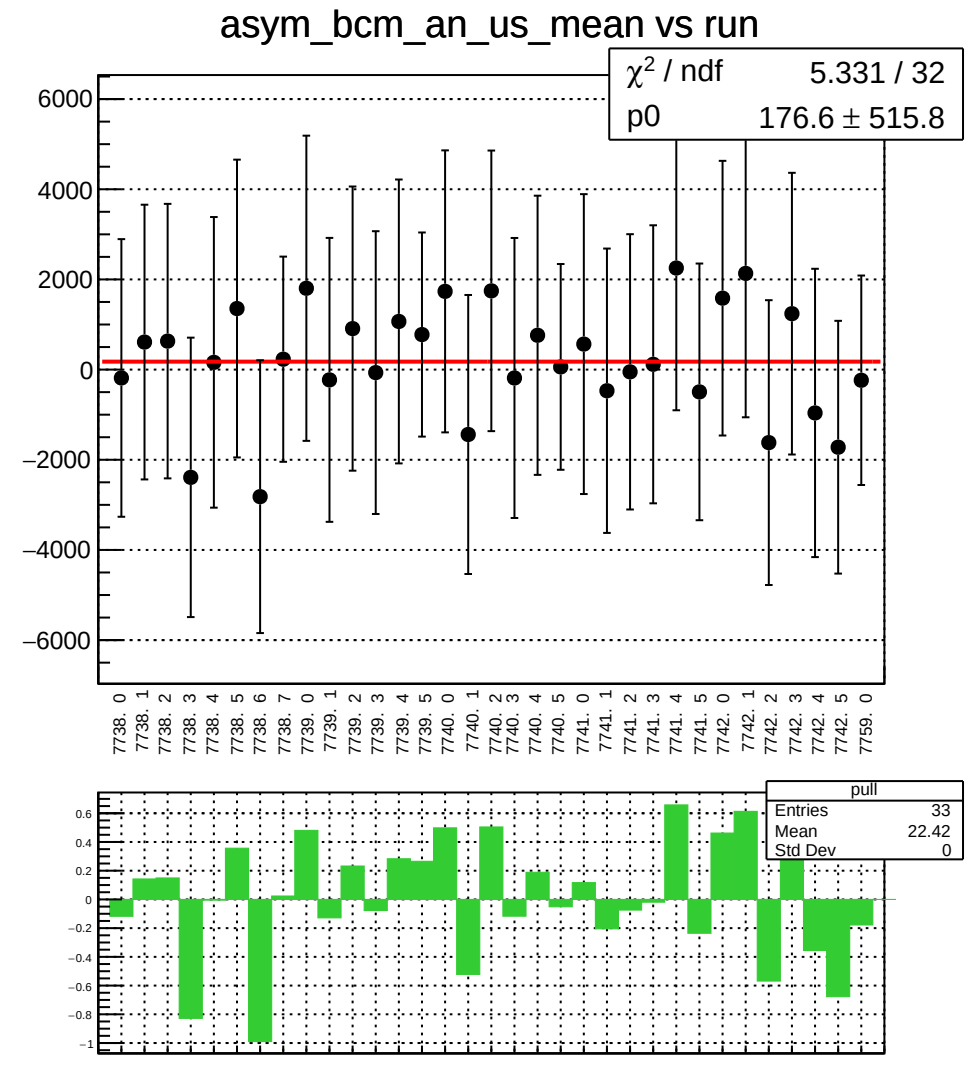

pull1D
Entries 33
Mean 0.003035
Std Dev 0.4307
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

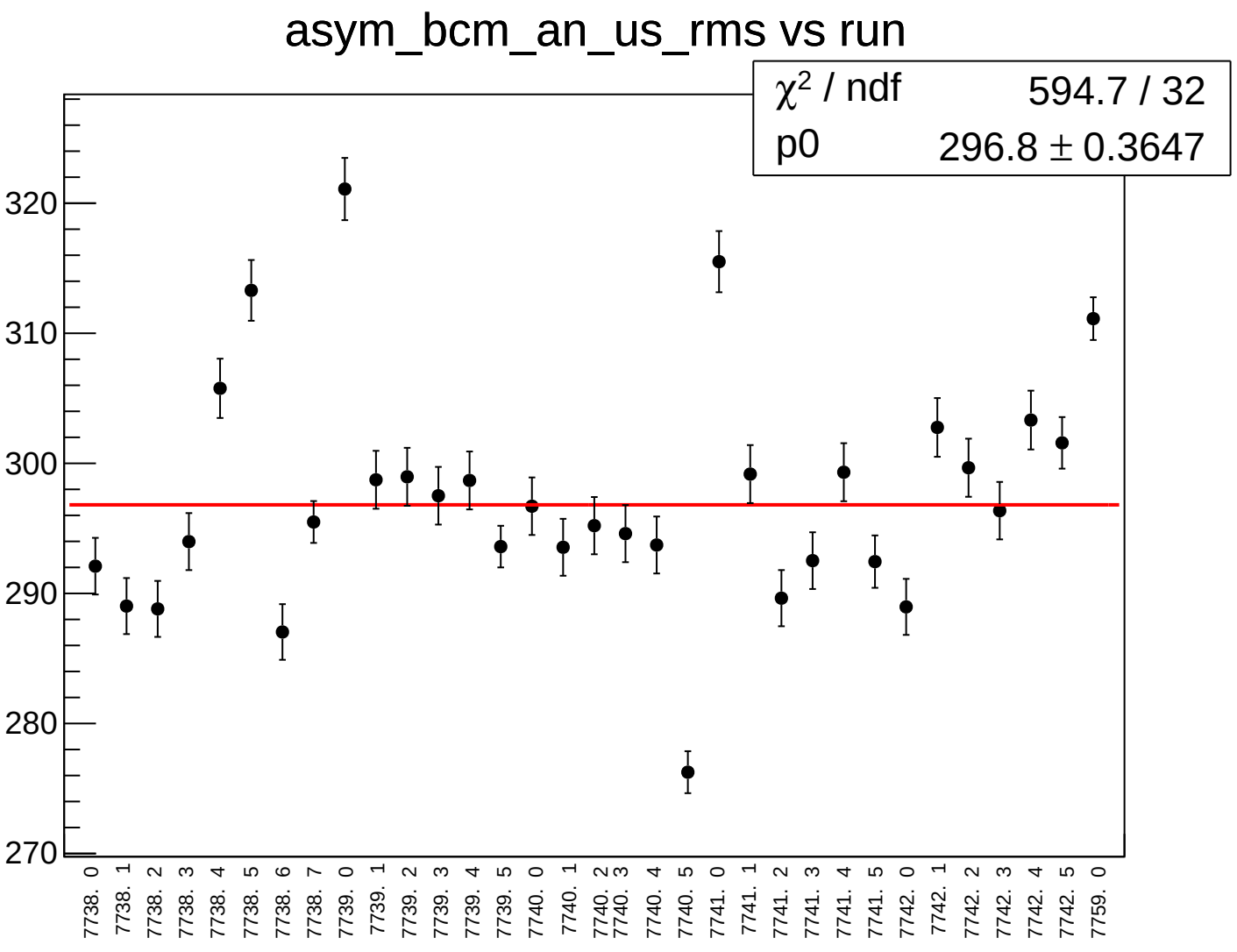

asym_bcm_an_ds_rms vs run
χ² / ndf 590.9 / 32
p0 296.1 ± 0.3639
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

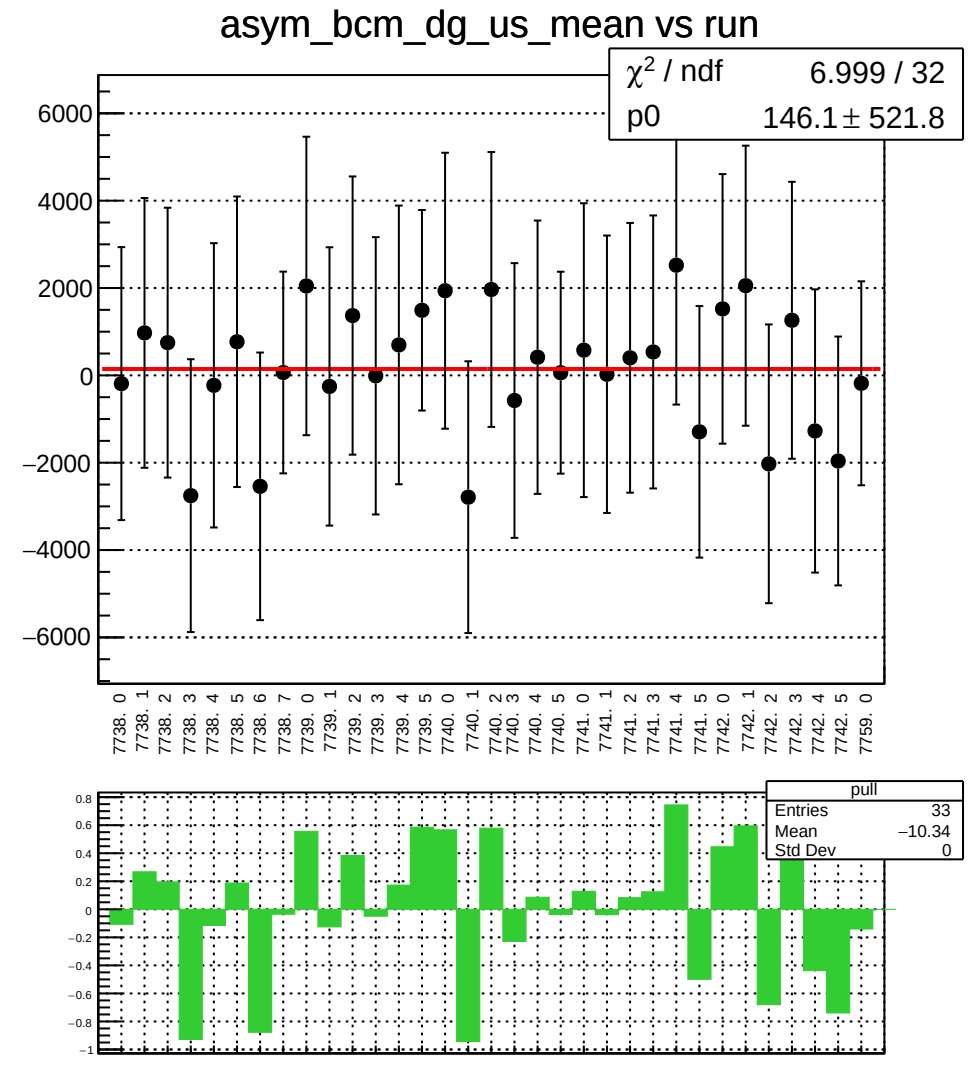

asym_bcm_an_ds3_mean vs run
χ² / ndf 6.054 / 32
p0 156.9 ± 516.4
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.46
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

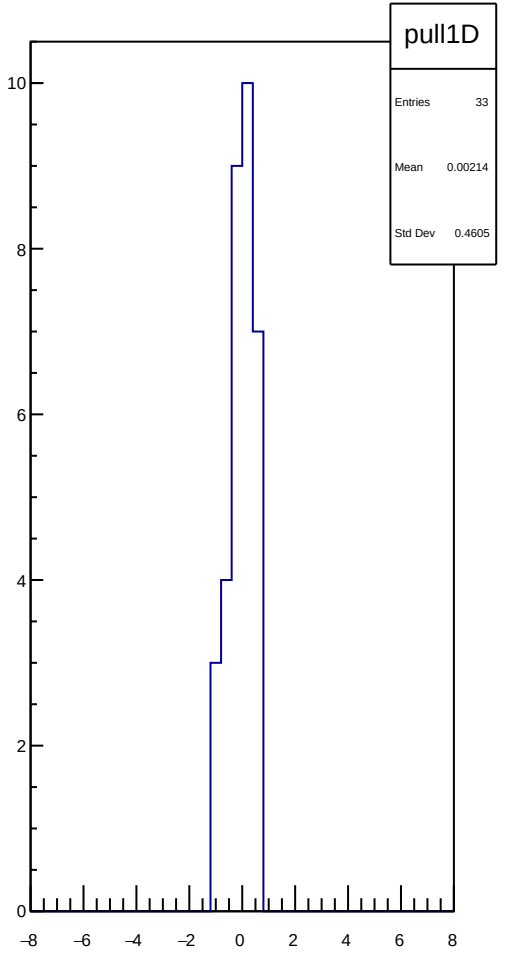

pull1D
Entries 33
Mean 0.002901
Std Dev 0.4283
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

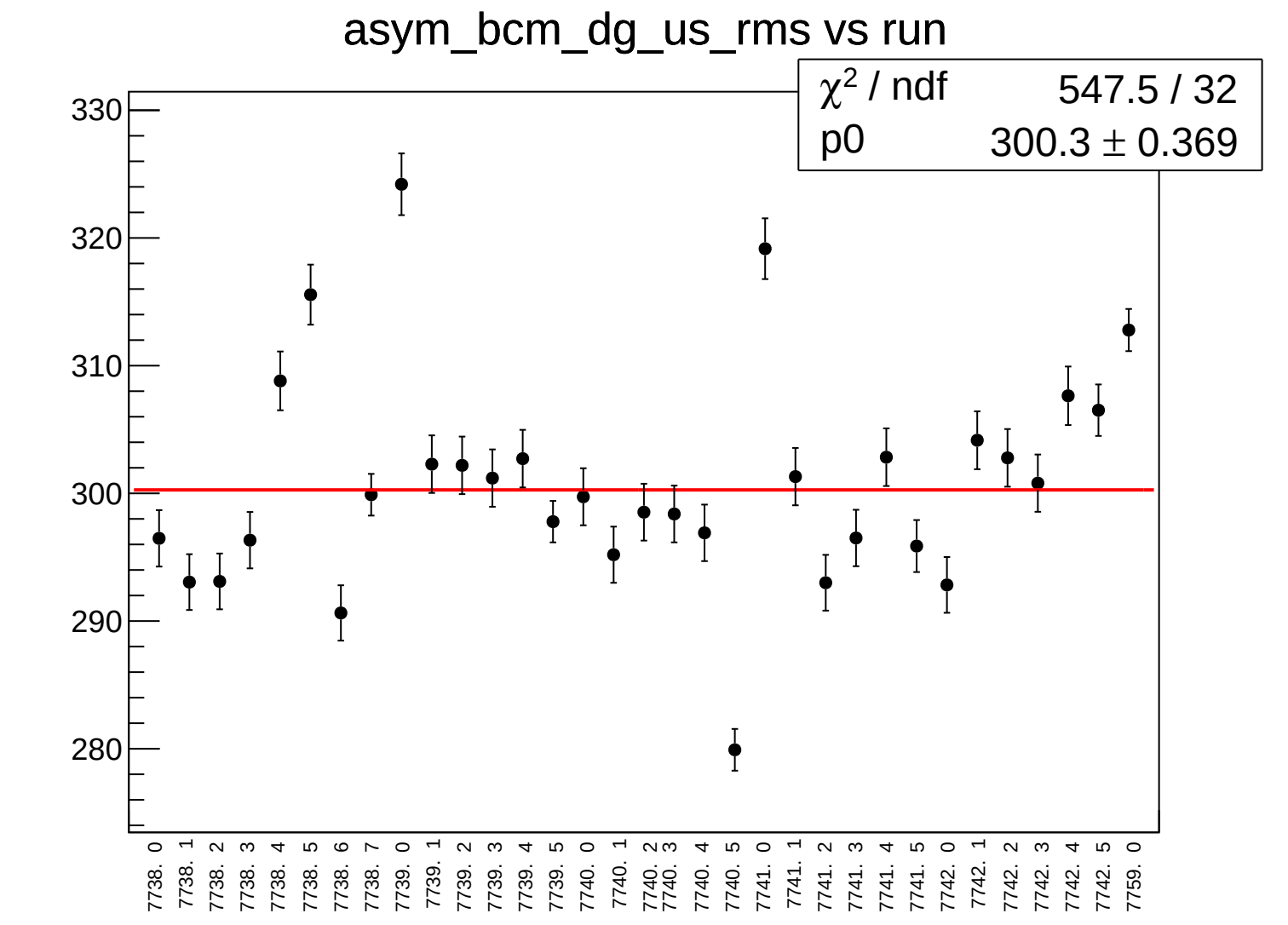

asym_bcm_an_ds3_rms vs run
χ² / ndf 593.2 / 32
p0 297.1 ± 0.3651
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

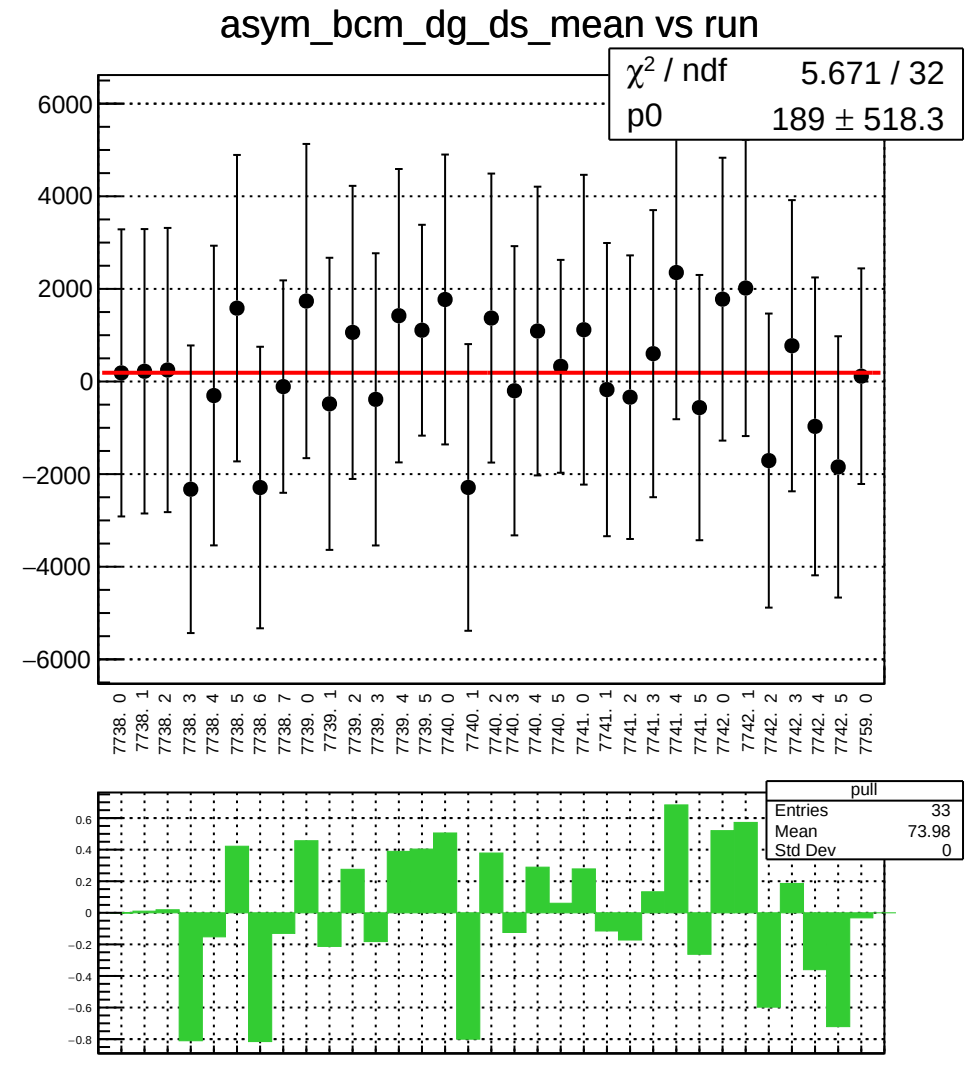

asym_bcm_an_us_mean vs run
χ² / ndf 5.331 / 32
p0 176.6 ± 515.8
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.42
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 33
Mean 0.005035
Std Dev 0.4019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

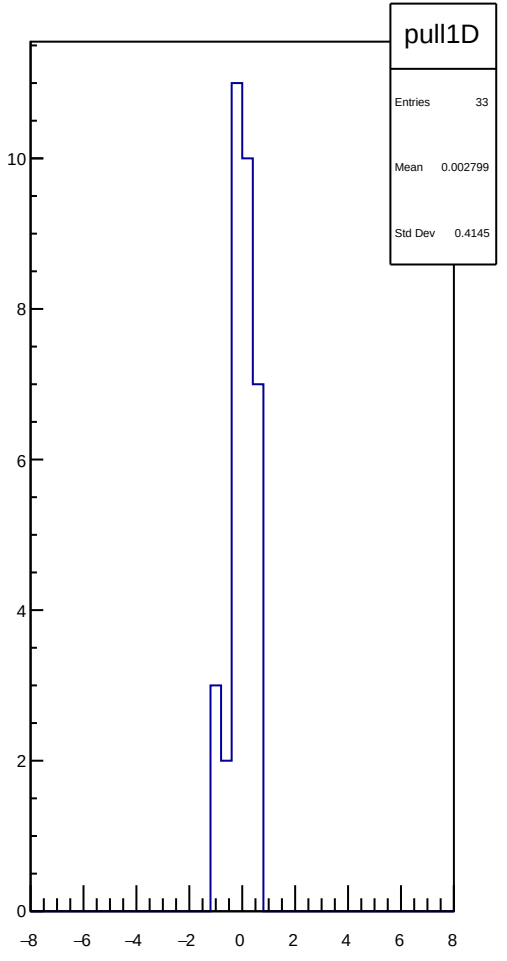

asym_bcm_an_us_rms vs run
χ² / ndf 594.7 / 32
p0 296.8 ± 0.3647
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

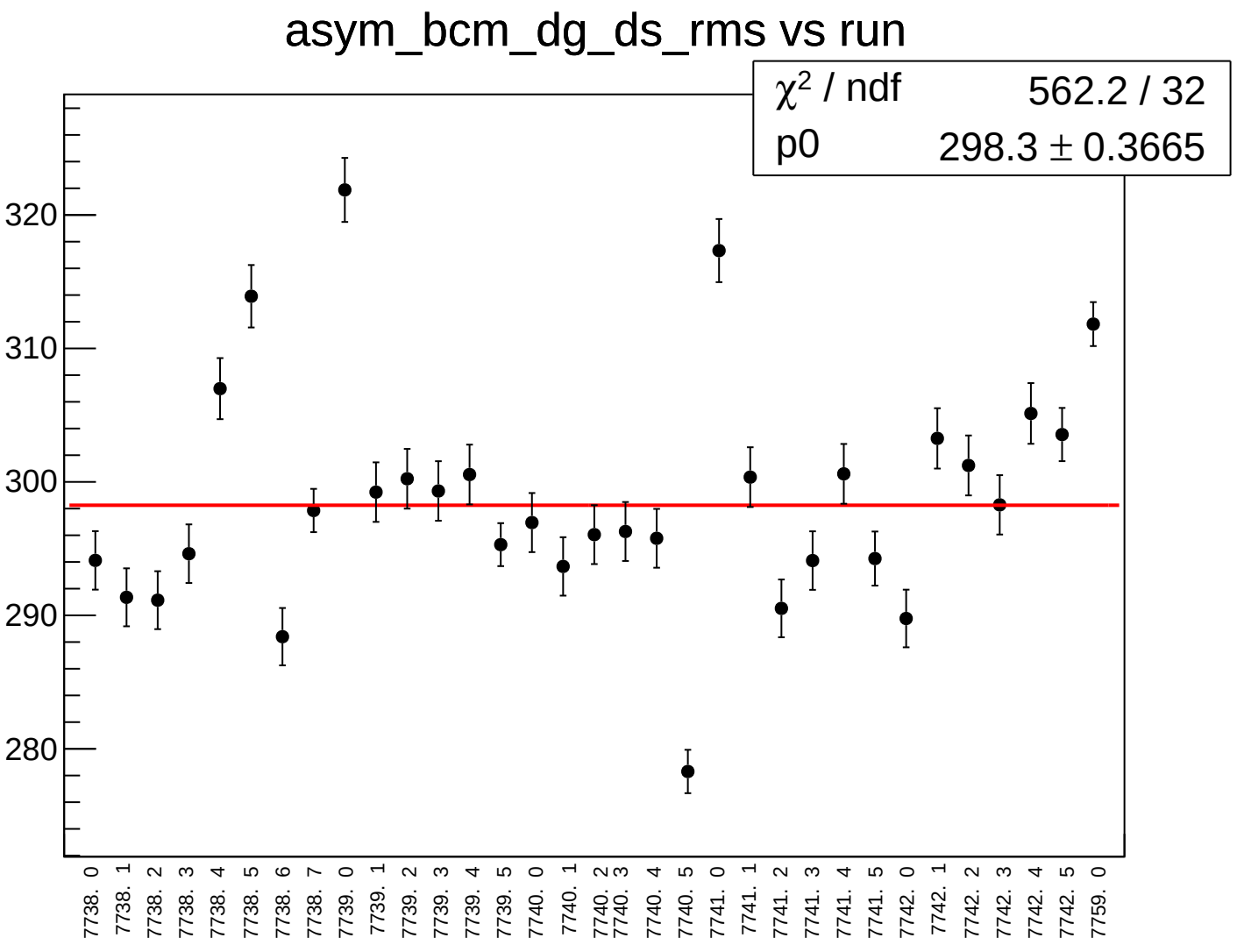

asym_bcm_dg_us_mean vs run
χ² / ndf 6.999 / 32
p0 146.1 ± 521.8
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.34
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

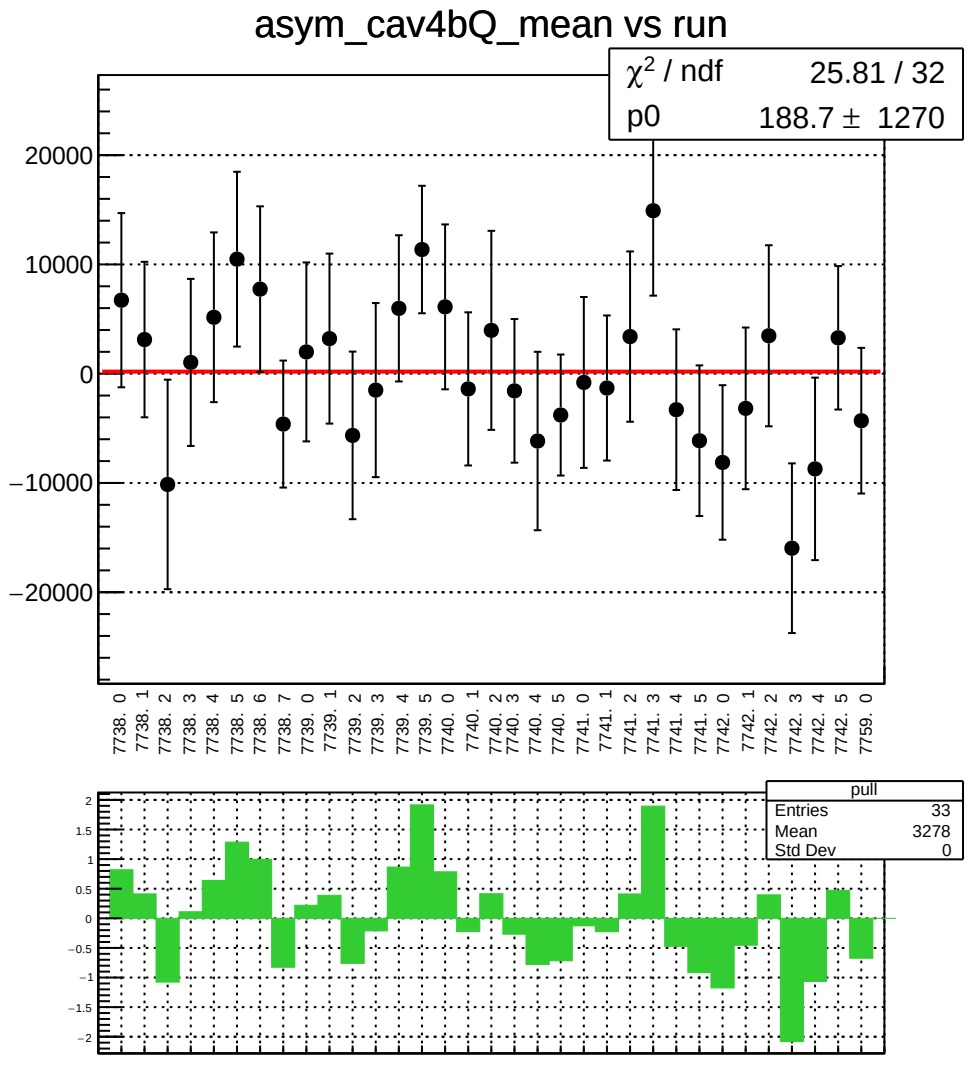

pull1D
Entries 33
Mean 0.00214
Std Dev 0.4605
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

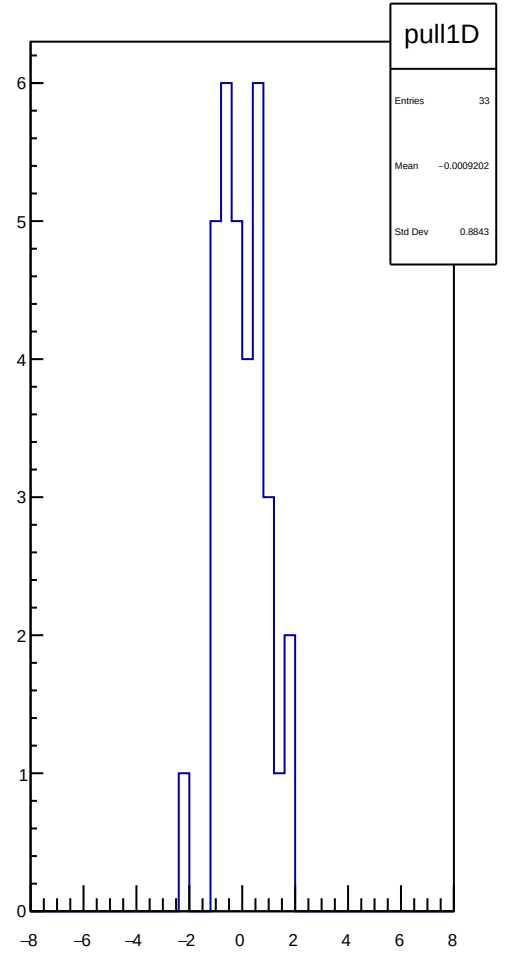

asym_bcm_dg_us_rms vs run
χ² / ndf 547.5 / 32
p0 300.3 ± 0.369
330
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

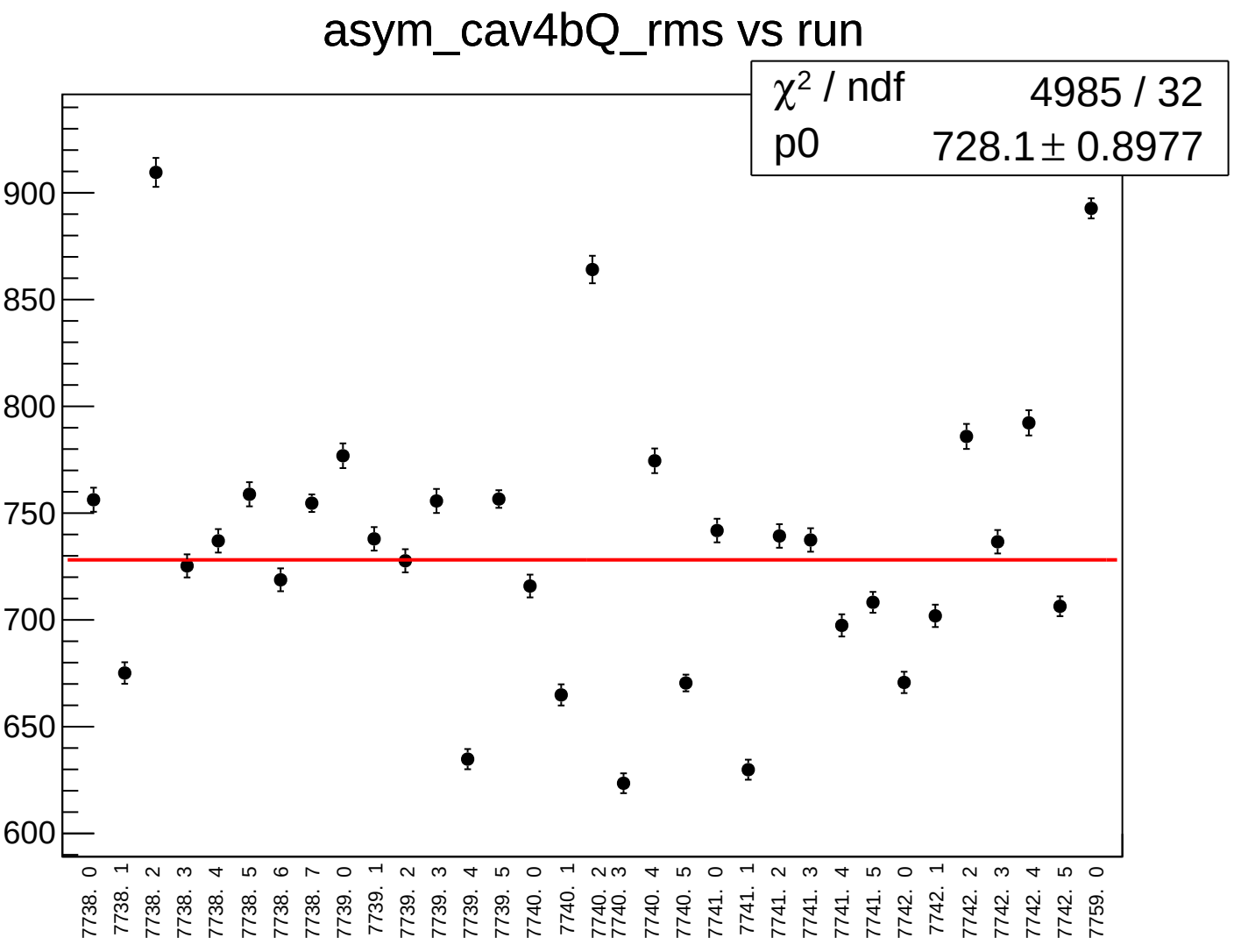

asym_bcm_dg_ds_mean vs run
χ² / ndf 5.671 / 32
p0 189 ± 518.3
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.98
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

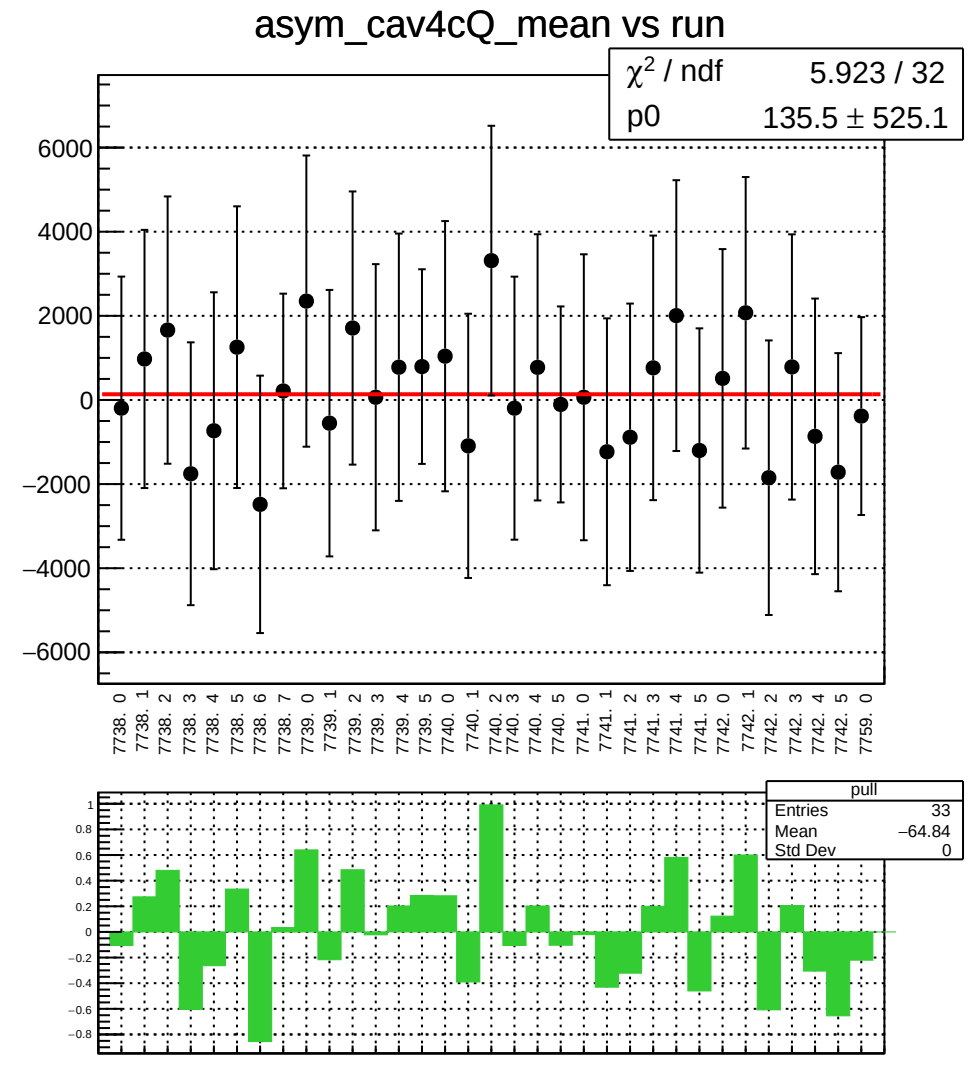

pull1D
Entries 33
Mean 0.002799
Std Dev 0.4145
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

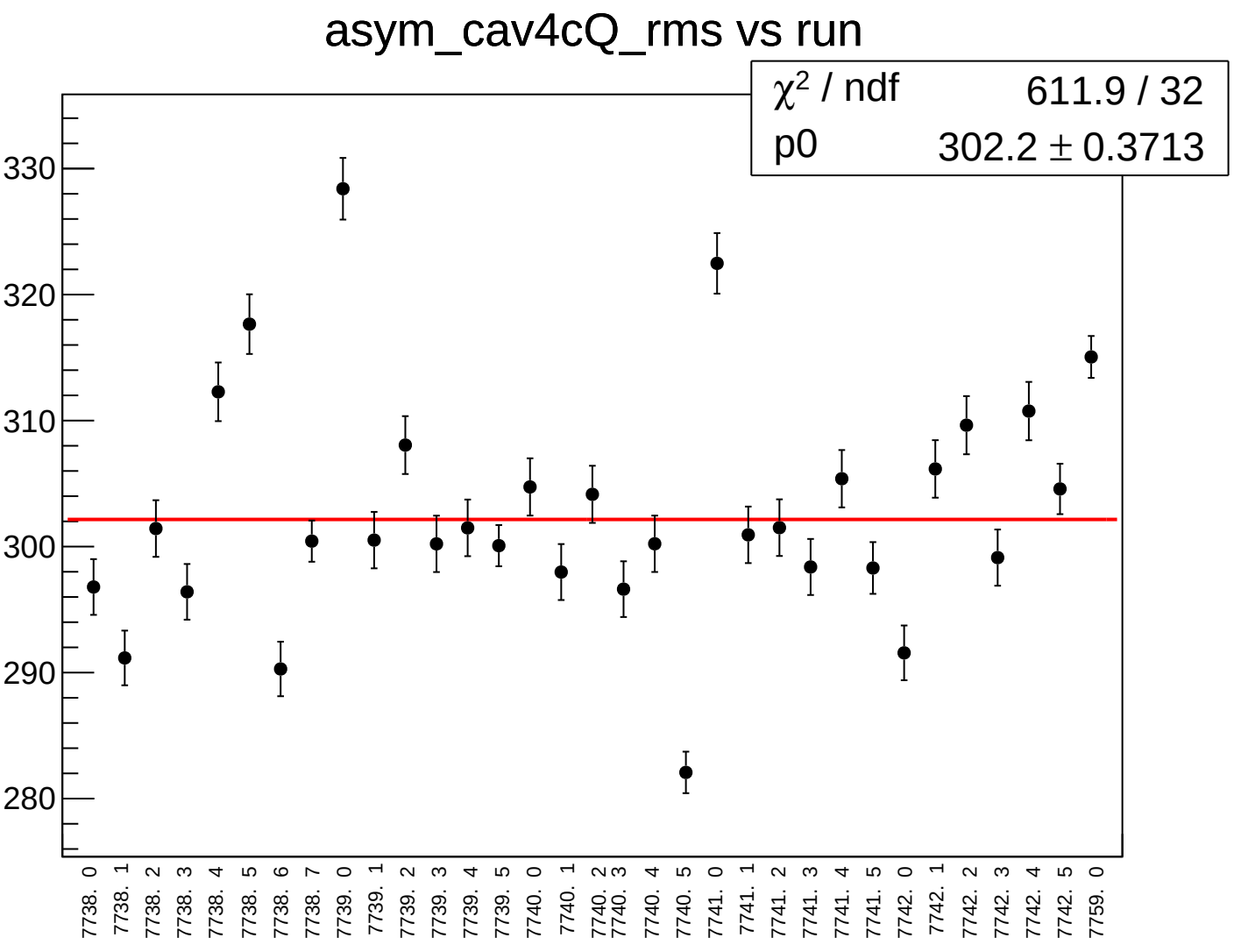

asym_bcm_dg_ds_rms vs run
χ² / ndf 562.2 / 32
p0 298.3 ± 0.3665
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

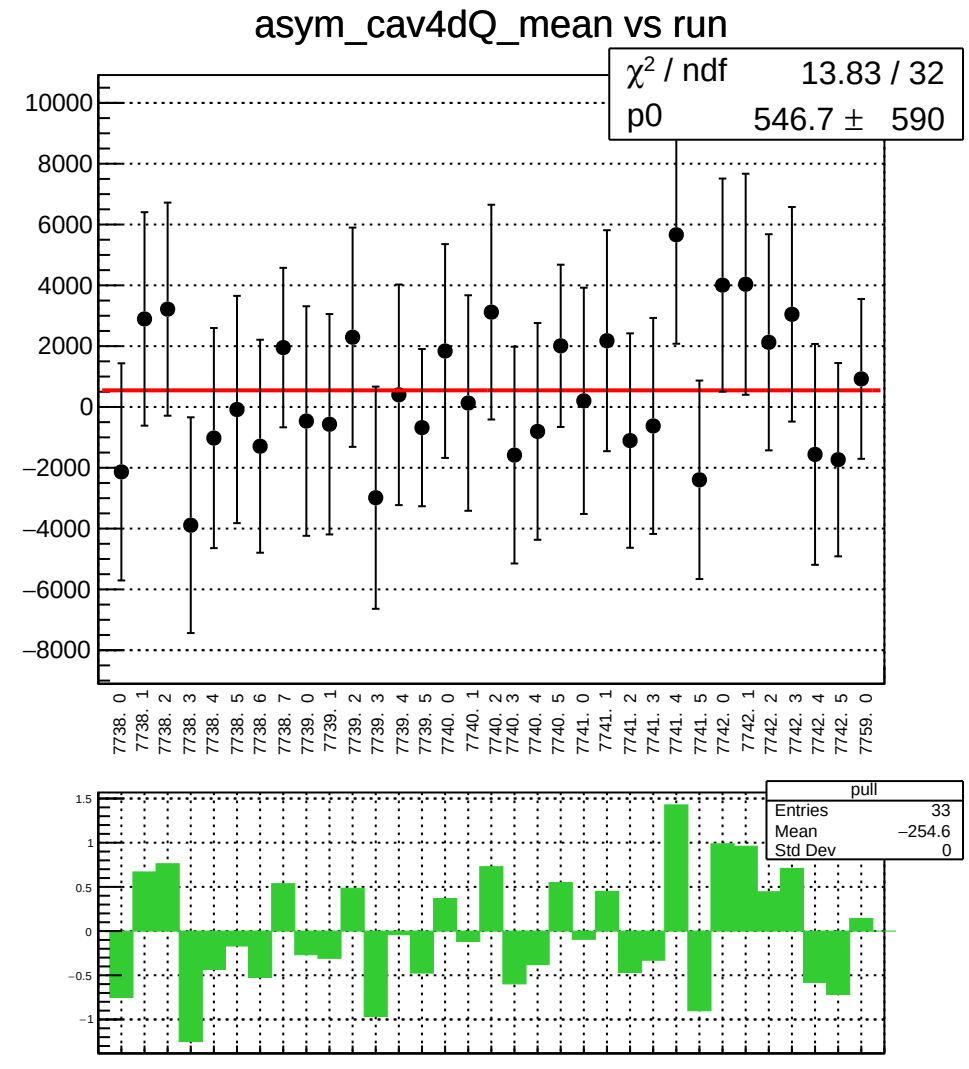

asym_cav4bQ_mean vs run
χ² / ndf 25.81 / 32
p0 188.7 ± 1270
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3278
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

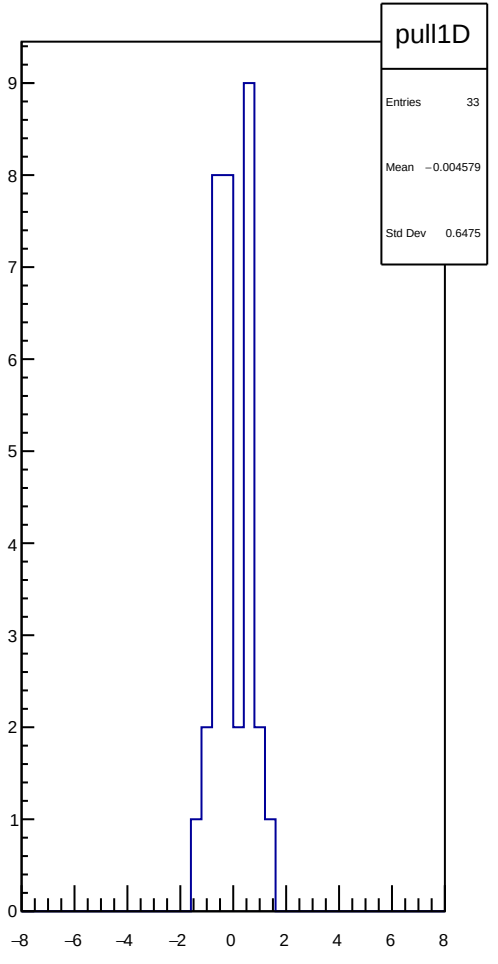

pull1D
Entries 33
Mean −0.0009202
Std Dev 0.8843
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

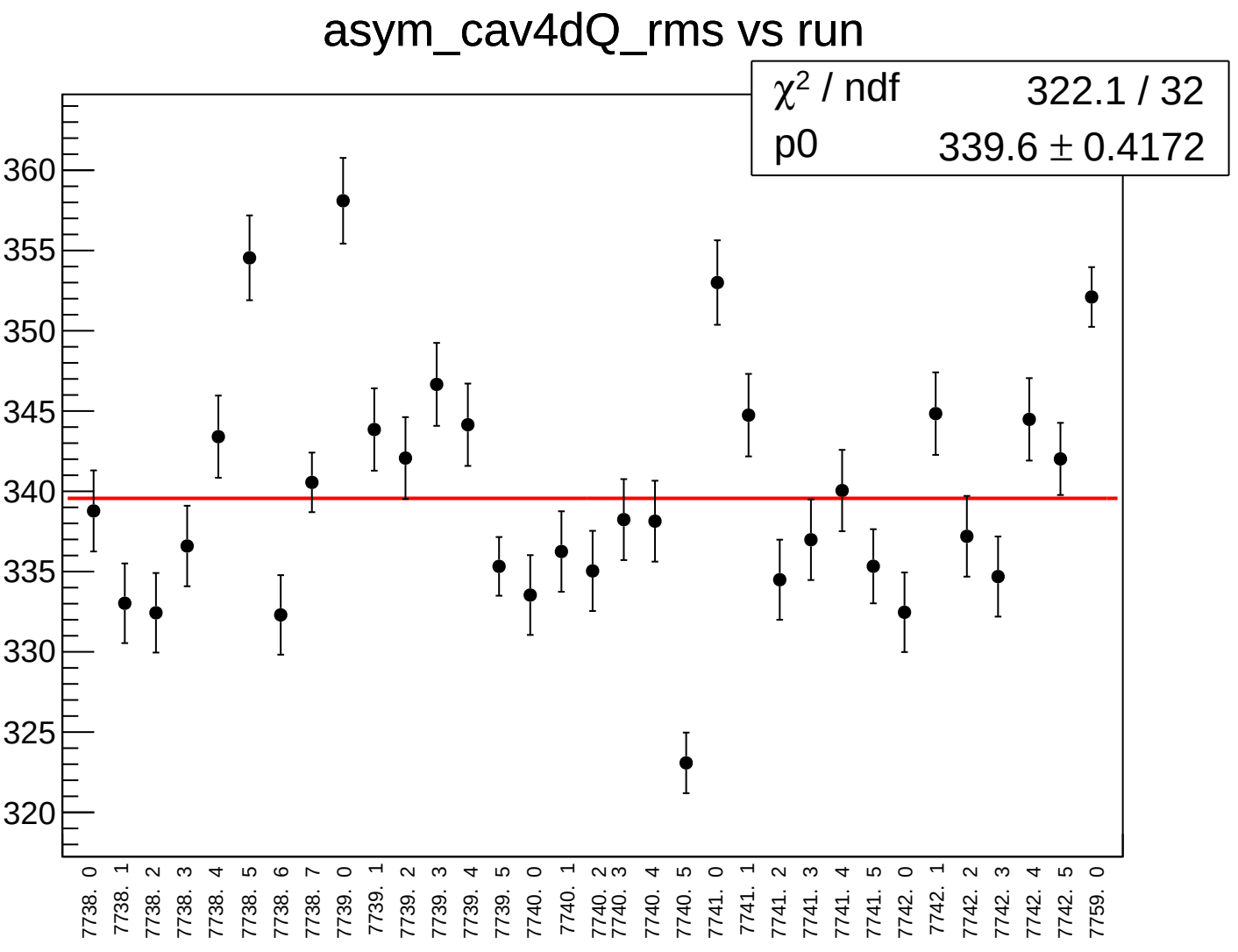

asym_cav4bQ_rms vs run
χ² / ndf 4985 / 32
p0 728.1 ± 0.8977
900
850
800
750
700
650
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

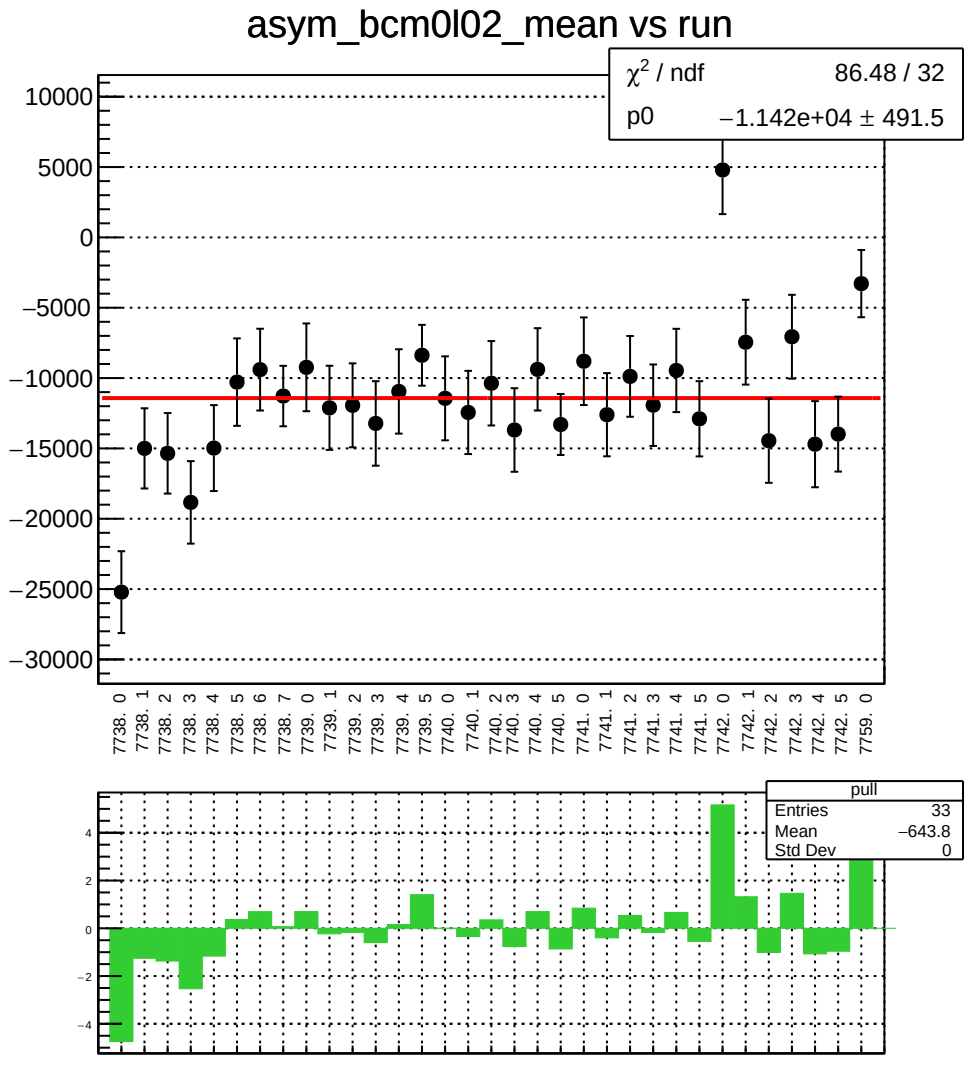

asym_cav4cQ_mean vs run
χ² / ndf 5.923 / 32
p0 135.5 ± 525.1
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −64.84
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.006874
Std Dev 0.4236
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

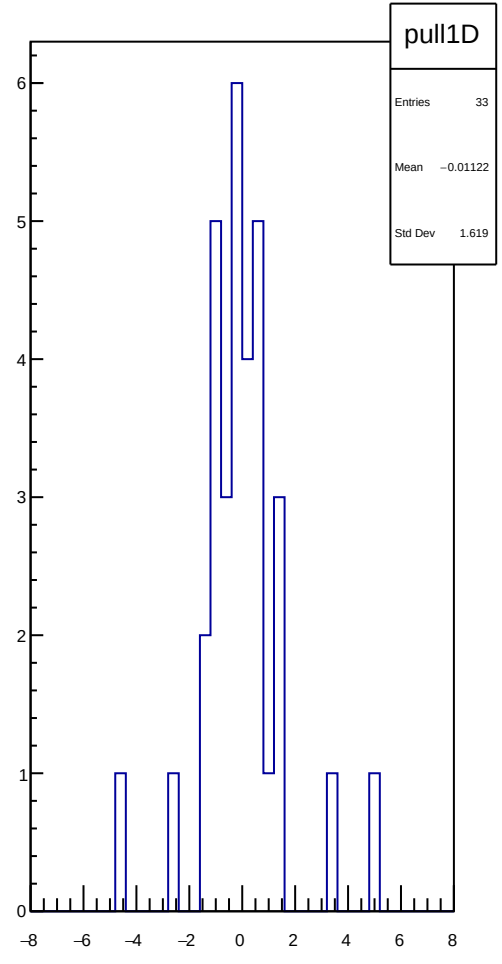

asym_cav4cQ_rms vs run
χ² / ndf 611.9 / 32
p0 302.2 ± 0.3713
330
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

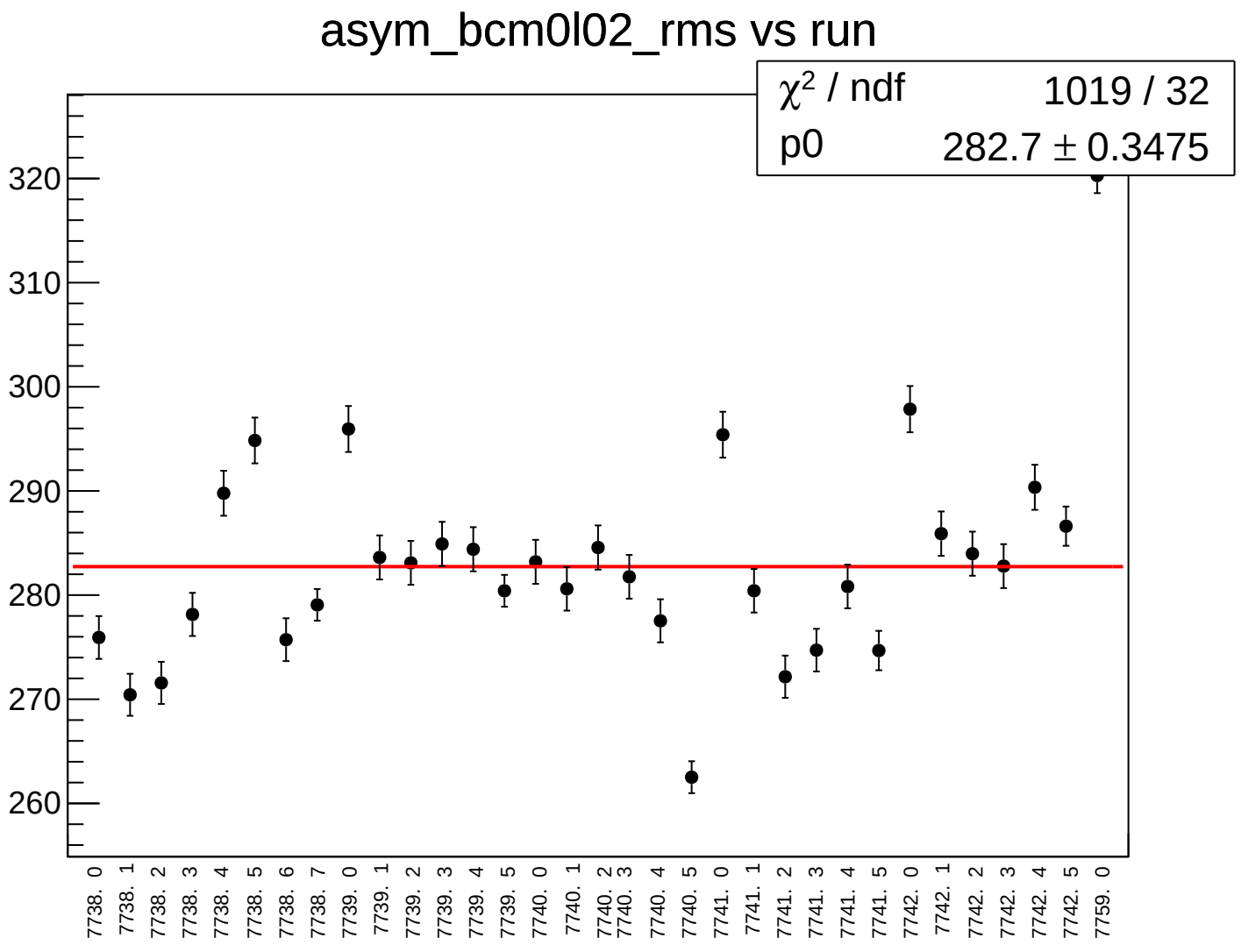

asym_cav4dQ_mean vs run
χ² / ndf 13.83 / 32
p0 546.7 ± 590
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −254.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1

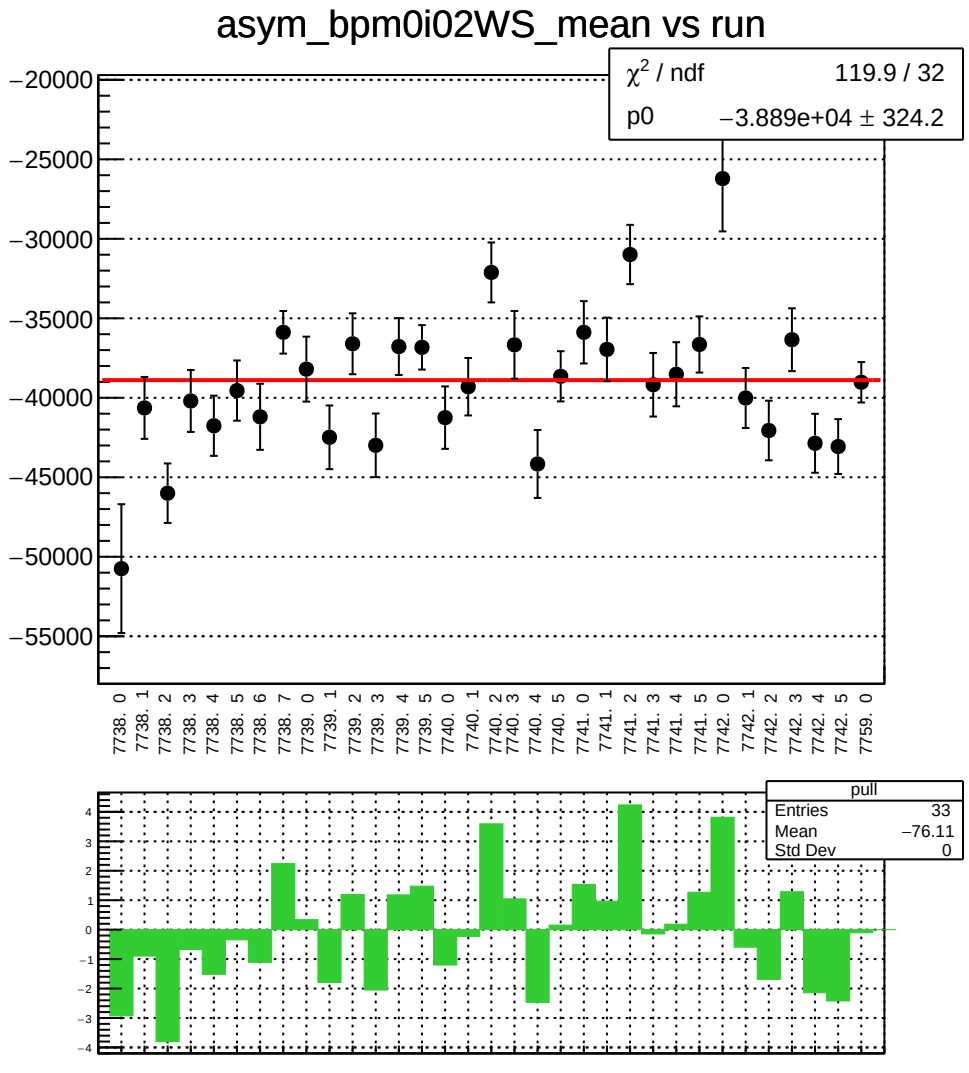

pull1D
Entries 33
Mean −0.004579
Std Dev 0.6475
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

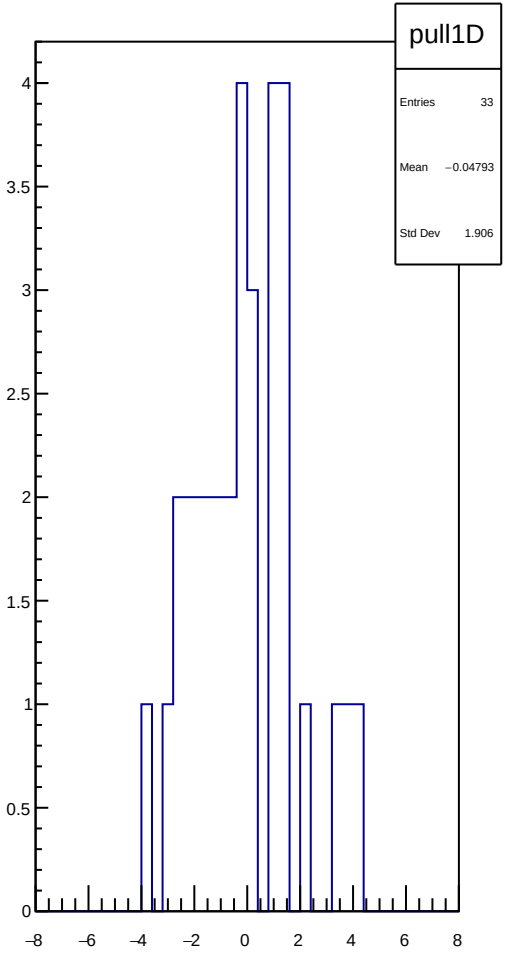

asym_cav4dQ_rms vs run
χ² / ndf 322.1 / 32
p0 339.6 ± 0.4172
360
355
350
345
340
335
330
325
320
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

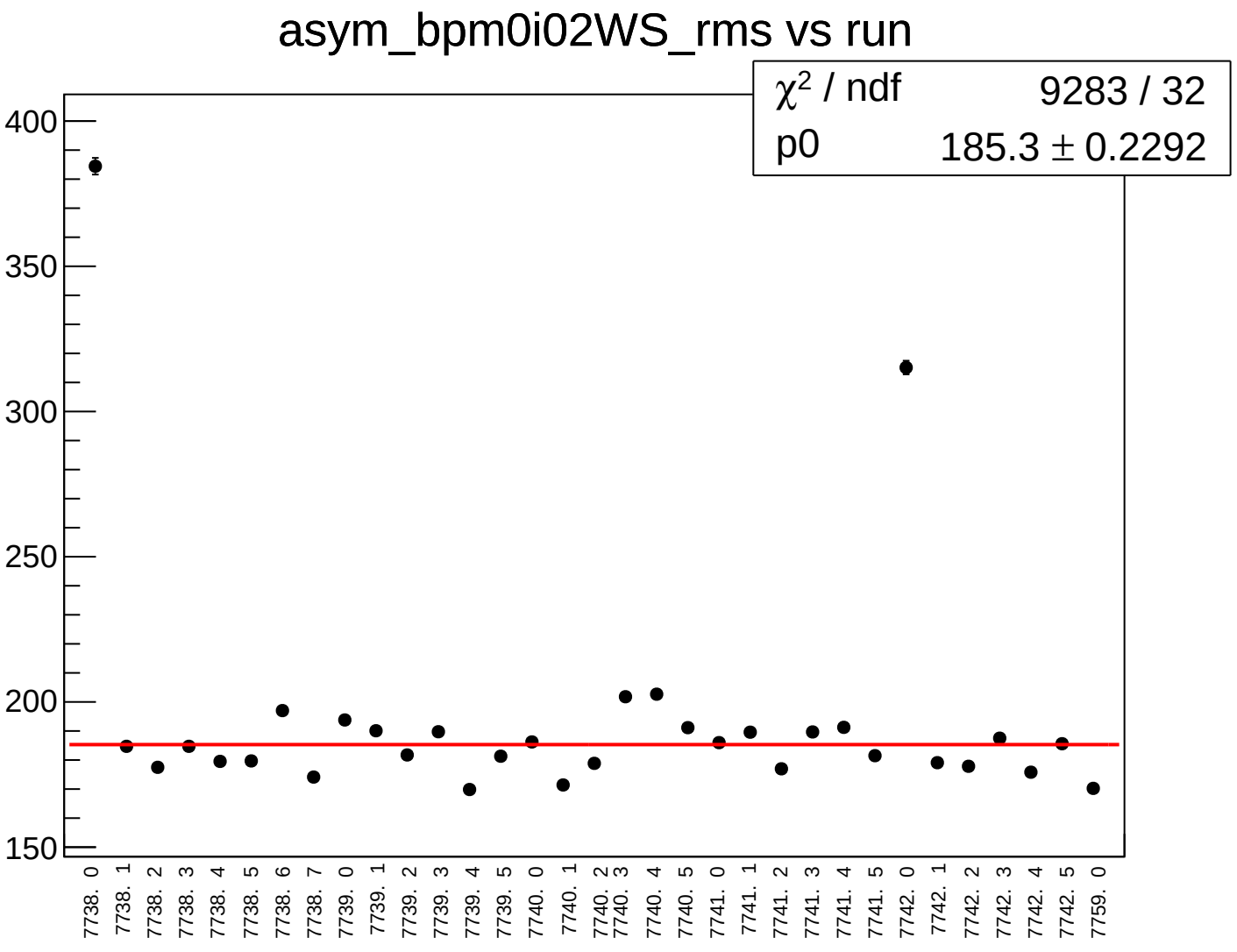

asym_bcm0l02_mean vs run
χ² / ndf 86.48 / 32
p0 −1.142e+04 ± 491.5
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −643.8
Std Dev 0
4
2
0
−2
−4

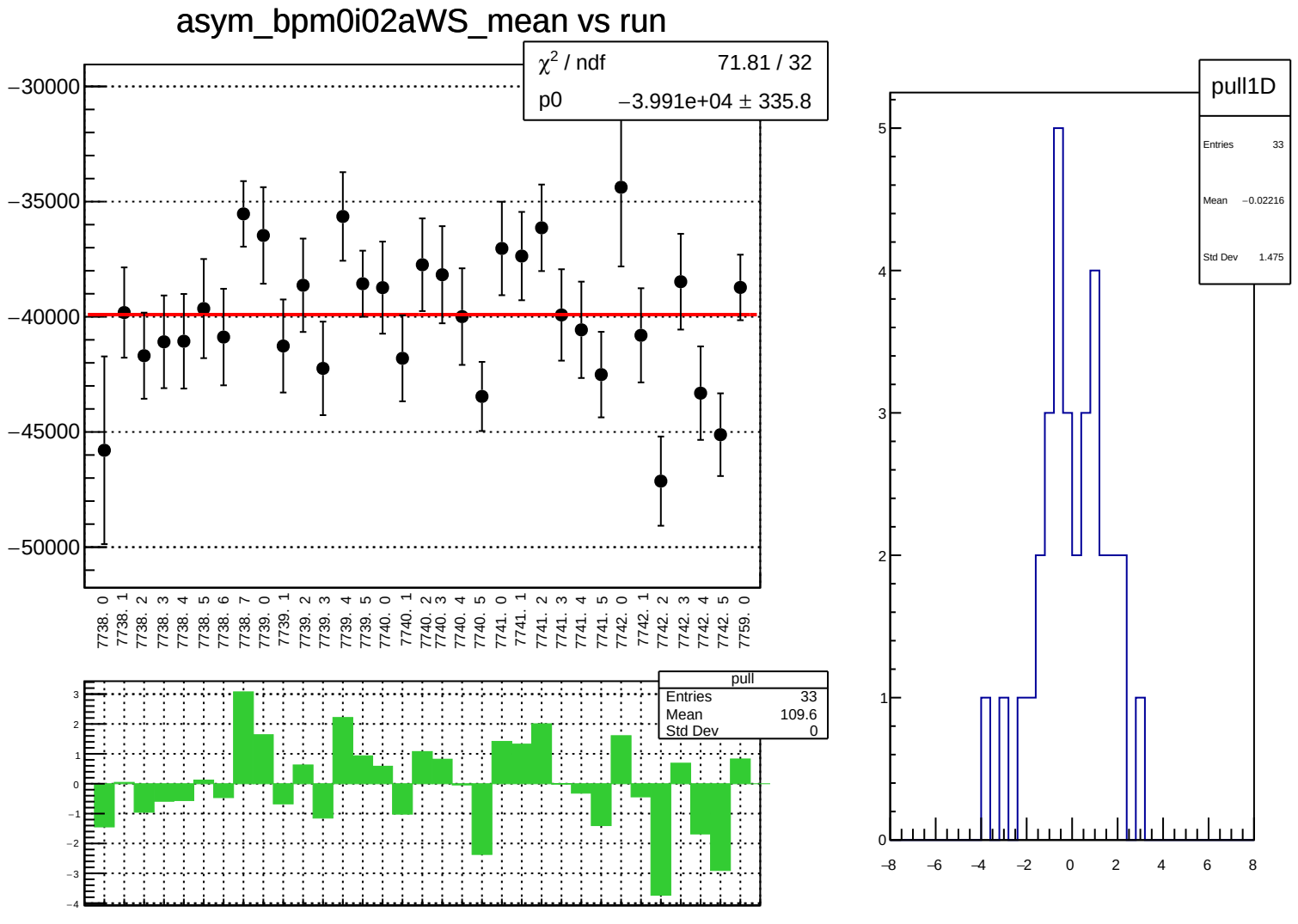

pull1D
Entries 33
Mean −0.01122
Std Dev 1.619
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

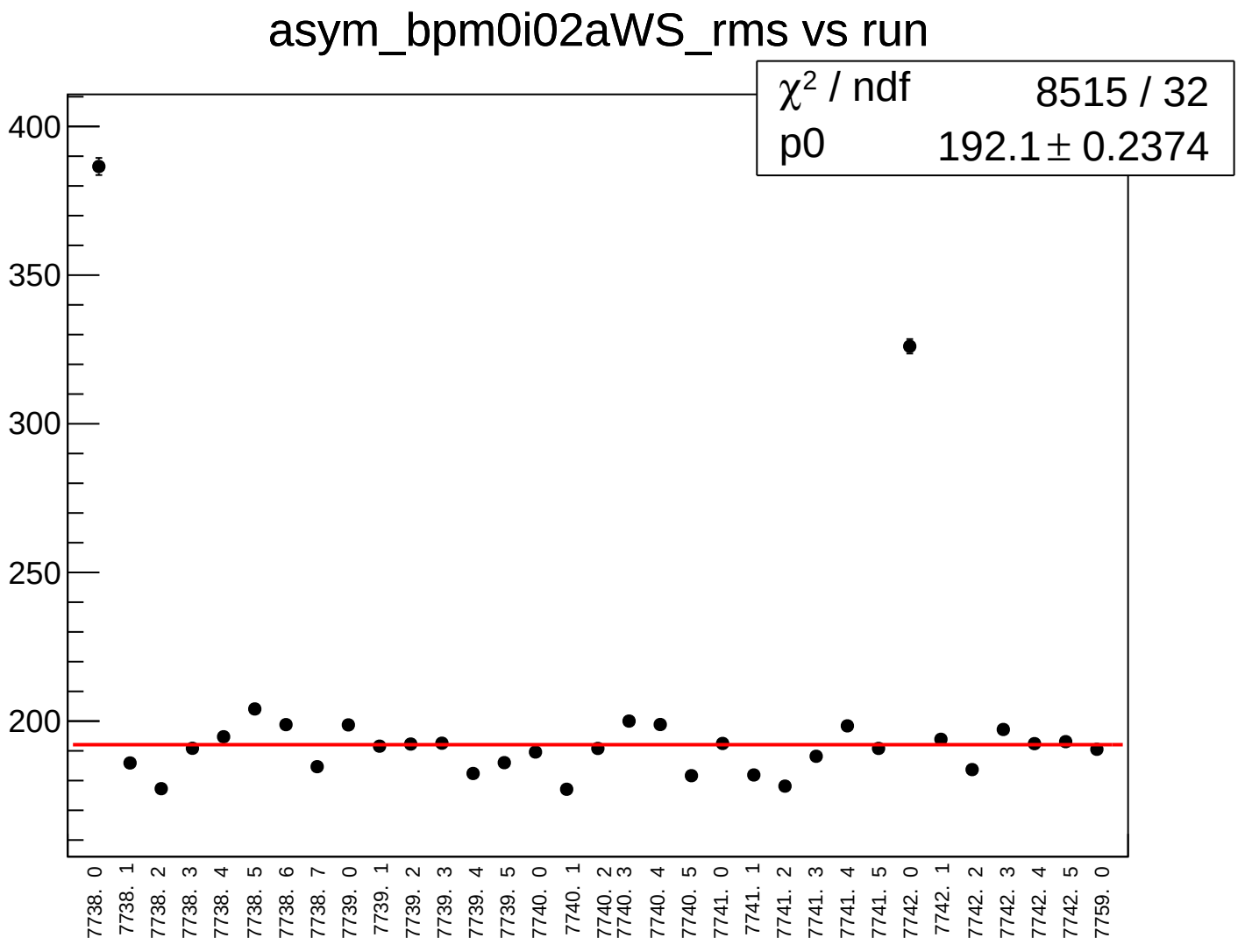

asym_bcm0l02_rms vs run
χ² / ndf 1019 / 32
p0 282.7 ± 0.3475
320
310
300
290
280
270
260
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

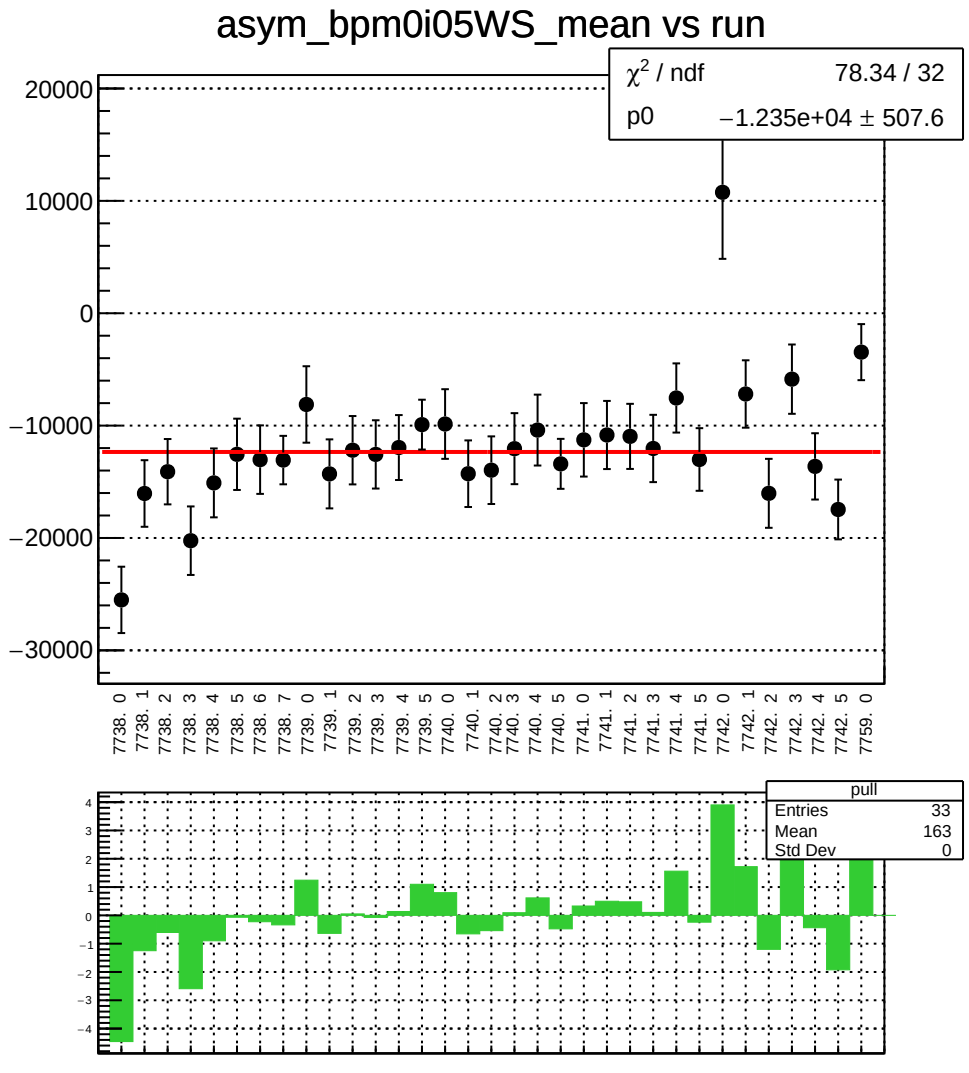

asym_bpm0i02WS_mean vs run
χ² / ndf 119.9 / 32
p0 −3.889e+04 ± 324.2
−20000
−25000
−30000
−35000
−40000
−45000
−50000
−55000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −76.11
Std Dev 0
4
3
2
1
0
−1
−2
−3
−4

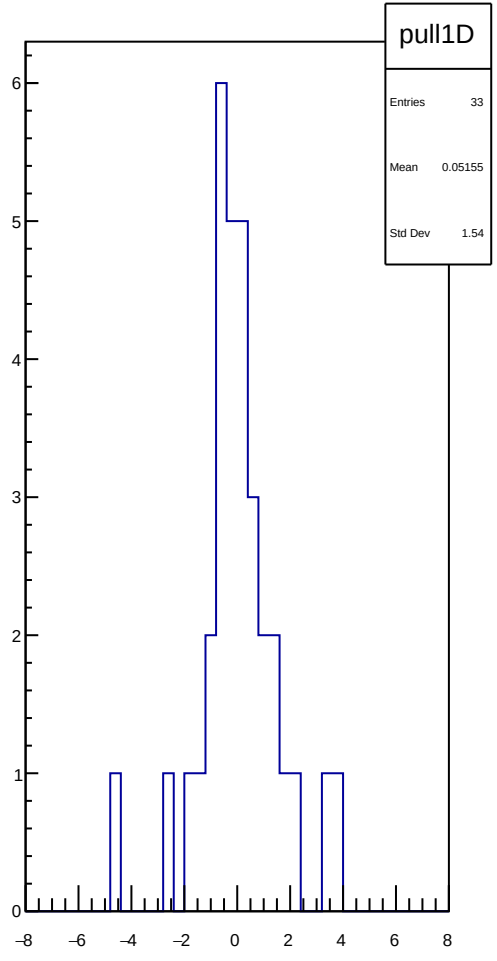

pull1D
Entries 33
Mean −0.04793
Std Dev 1.906
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

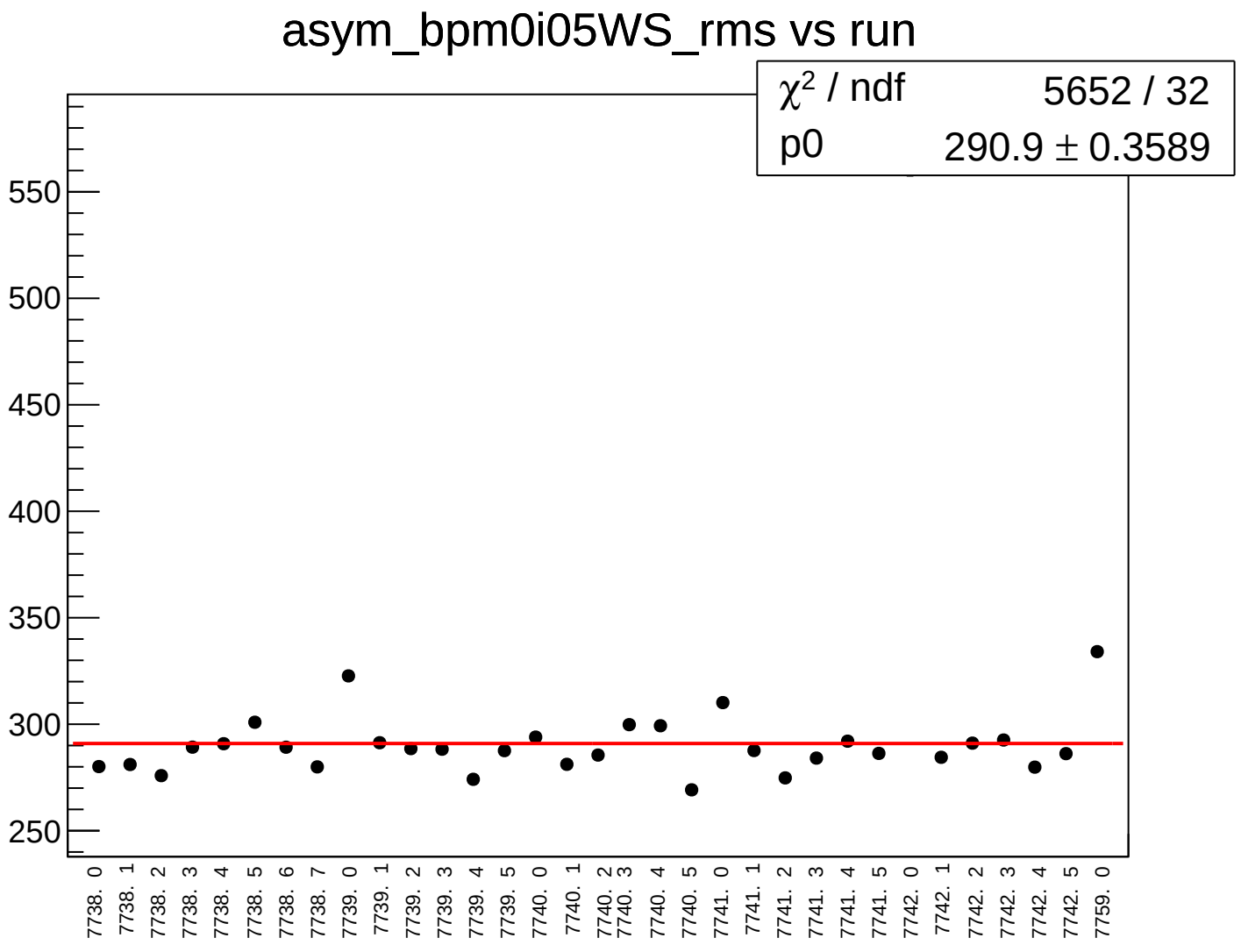

asym_bpm0i02WS_rms vs run
χ² / ndf 9283 / 32
p0 185.3 ± 0.2292
400
350
300
250
200
150
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

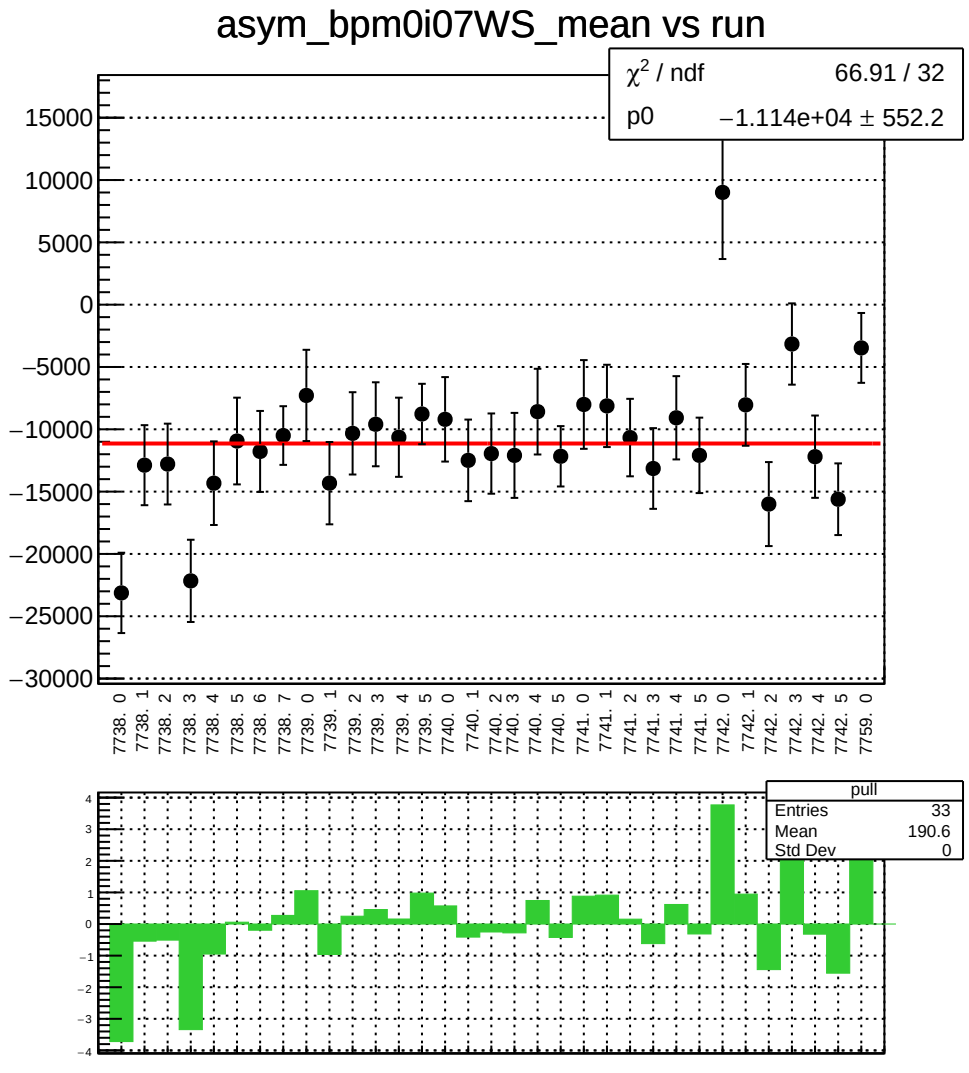

asym_bpm0i02aWS_mean vs run
χ² / ndf 71.81 / 32
p0 −3.991e+04 ± 335.8
−30000
−35000
−40000
−45000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 109.6
Std Dev 0
pull1D
Entries 33
Mean −0.02216
Std Dev 1.475

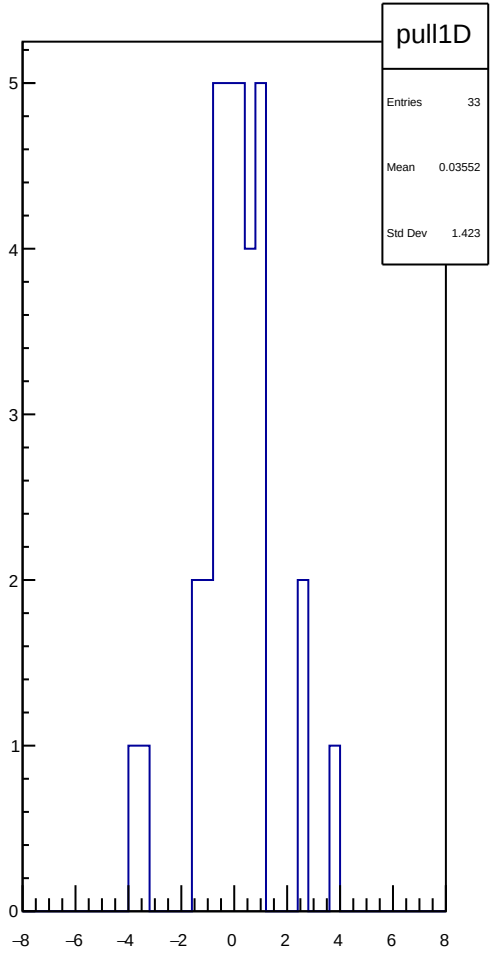

asym_bpm0i02aWS_rms vs run
χ² / ndf 8515 / 32
p0 192.1 ± 0.2374
400
350
300
250
200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

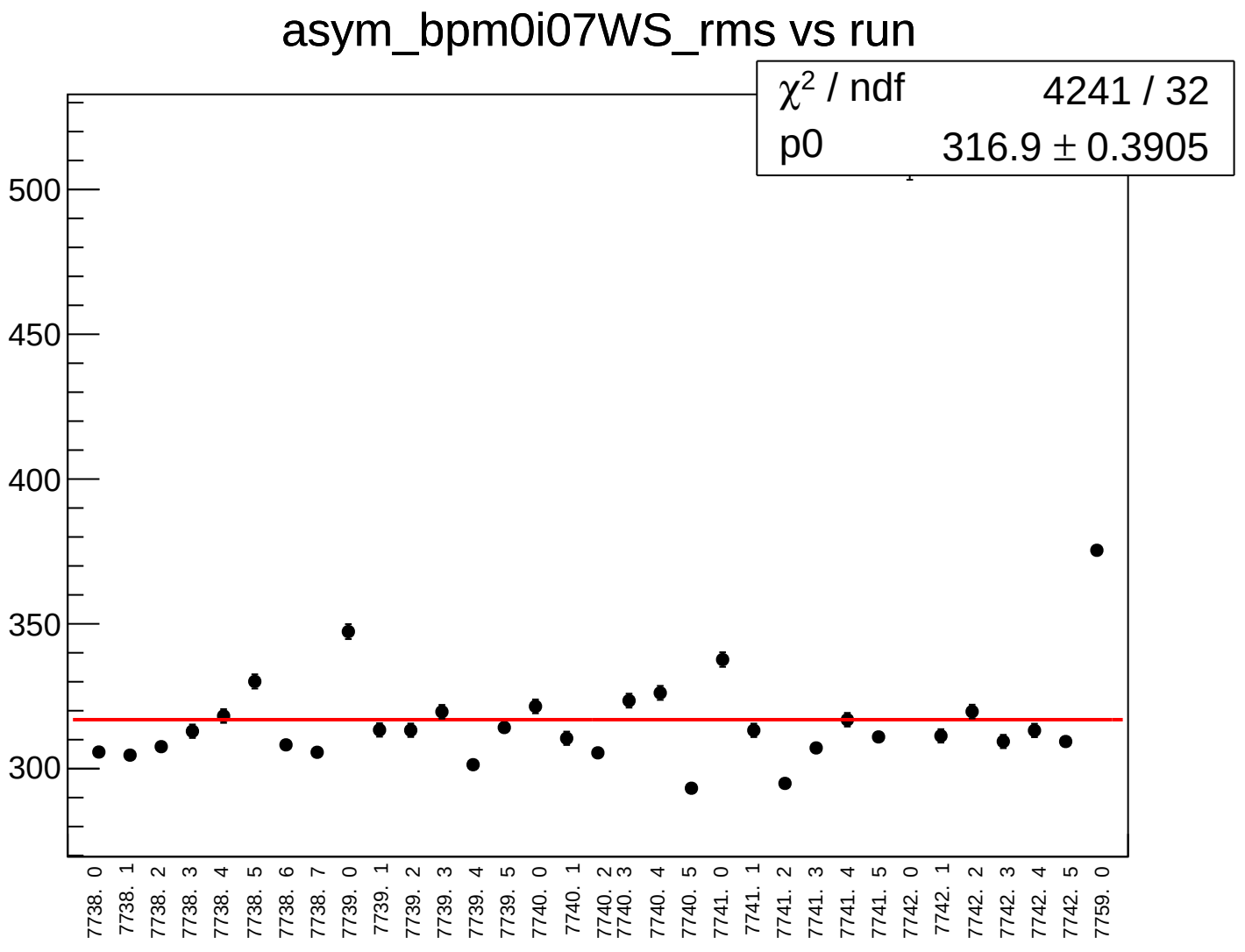

asym_bpm0i05WS_mean vs run
χ² / ndf 78.34 / 32
p0 −1.235e+04 ± 507.6
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 163
Std Dev 0
4
3
2
1
0
−1
−2
−3
−4

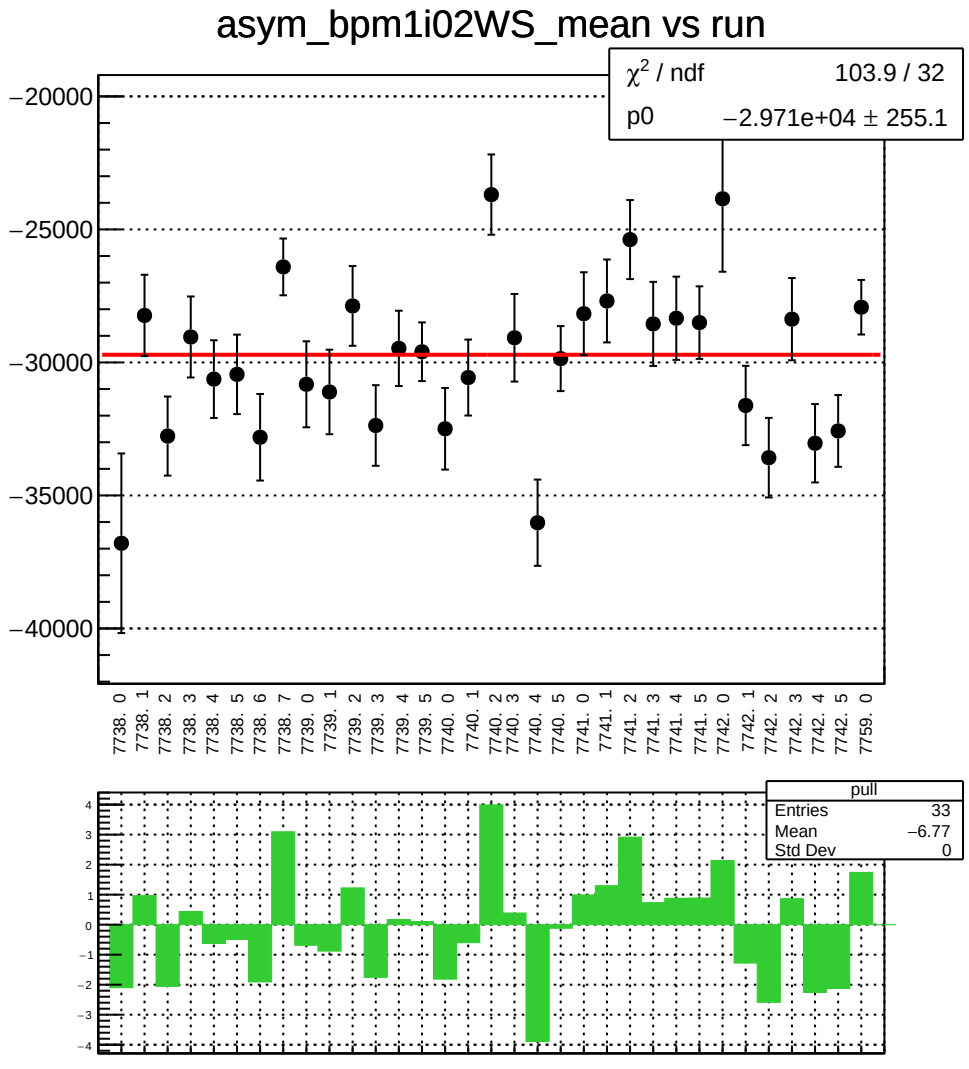

pull1D
Entries 33
Mean 0.05155
Std Dev 1.54
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

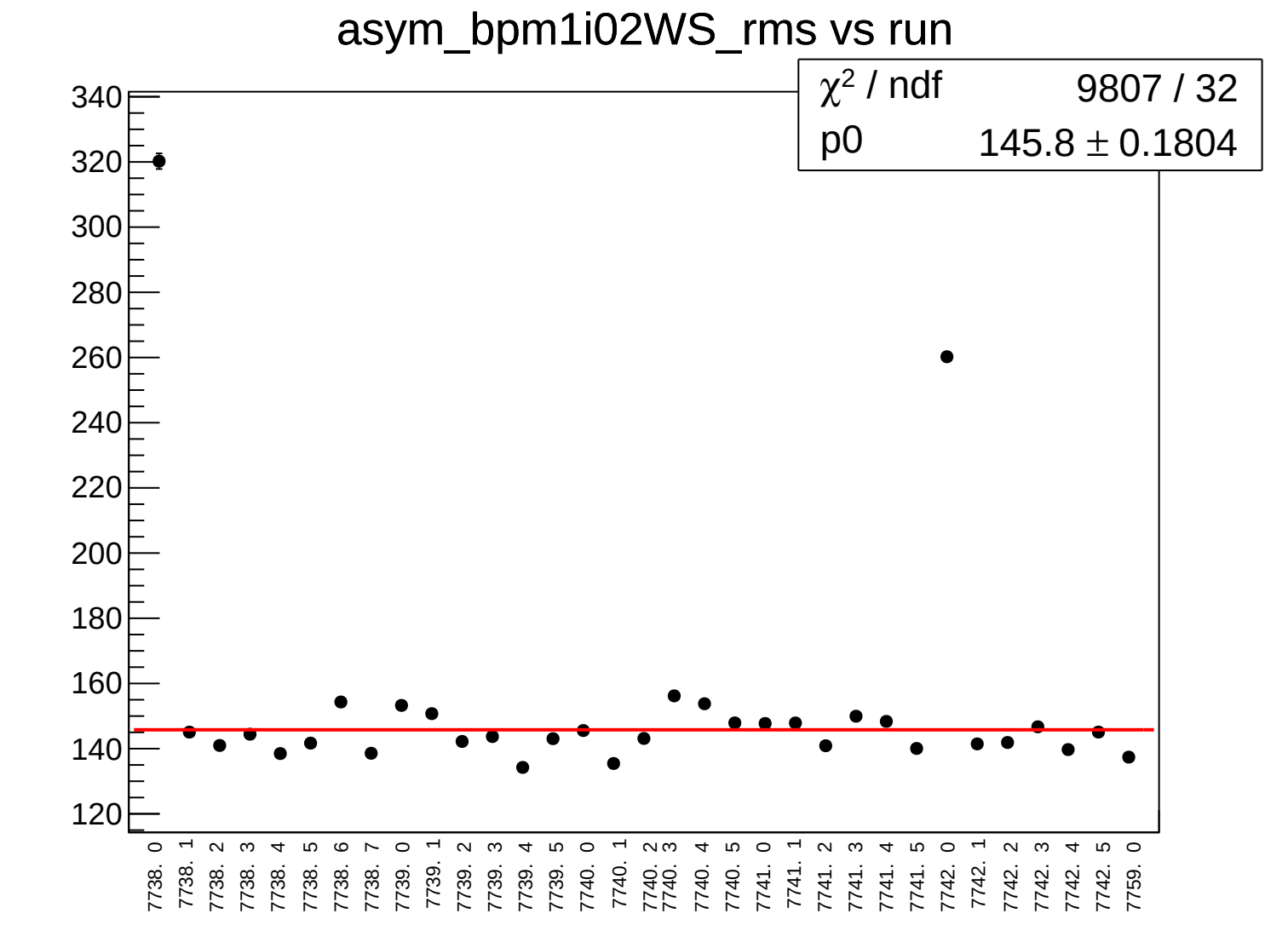

asym_bpm0i05WS_rms vs run
χ² / ndf 5652 / 32
p0 290.9 ± 0.3589
550
500
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

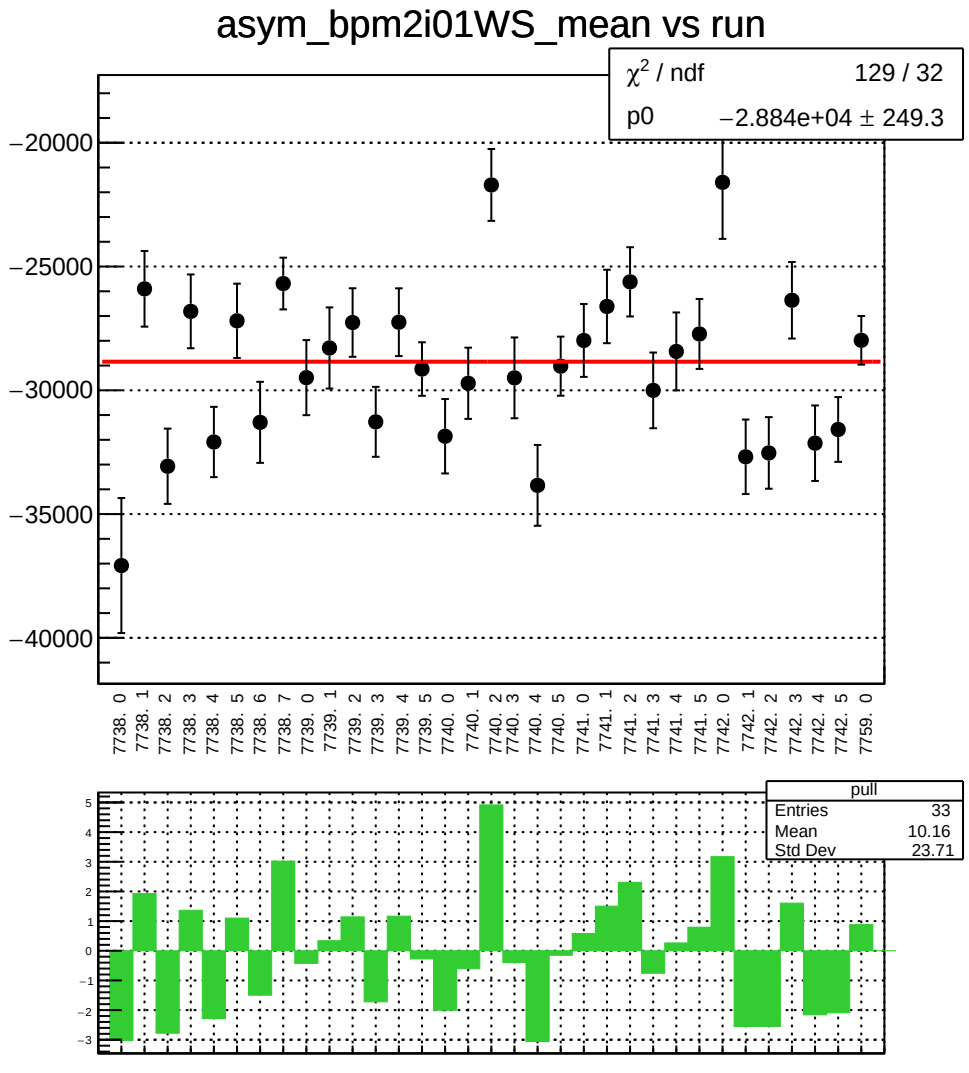

asym_bpm0i07WS_mean vs run
χ² / ndf 66.91 / 32
p0 −1.114e+04 ± 552.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 190.6
Std Dev 0

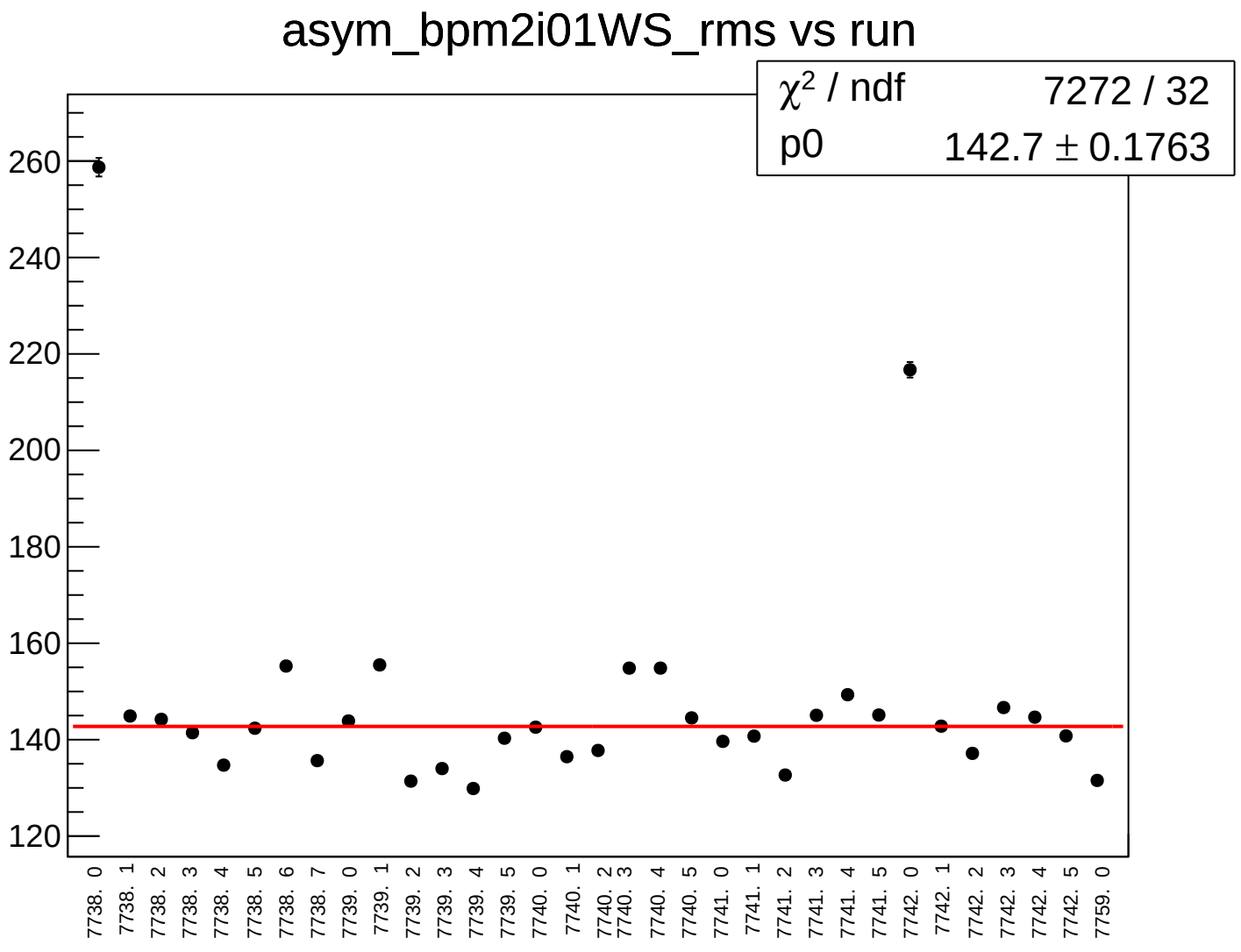

pull1D
Entries 33
Mean 0.03552
Std Dev 1.423

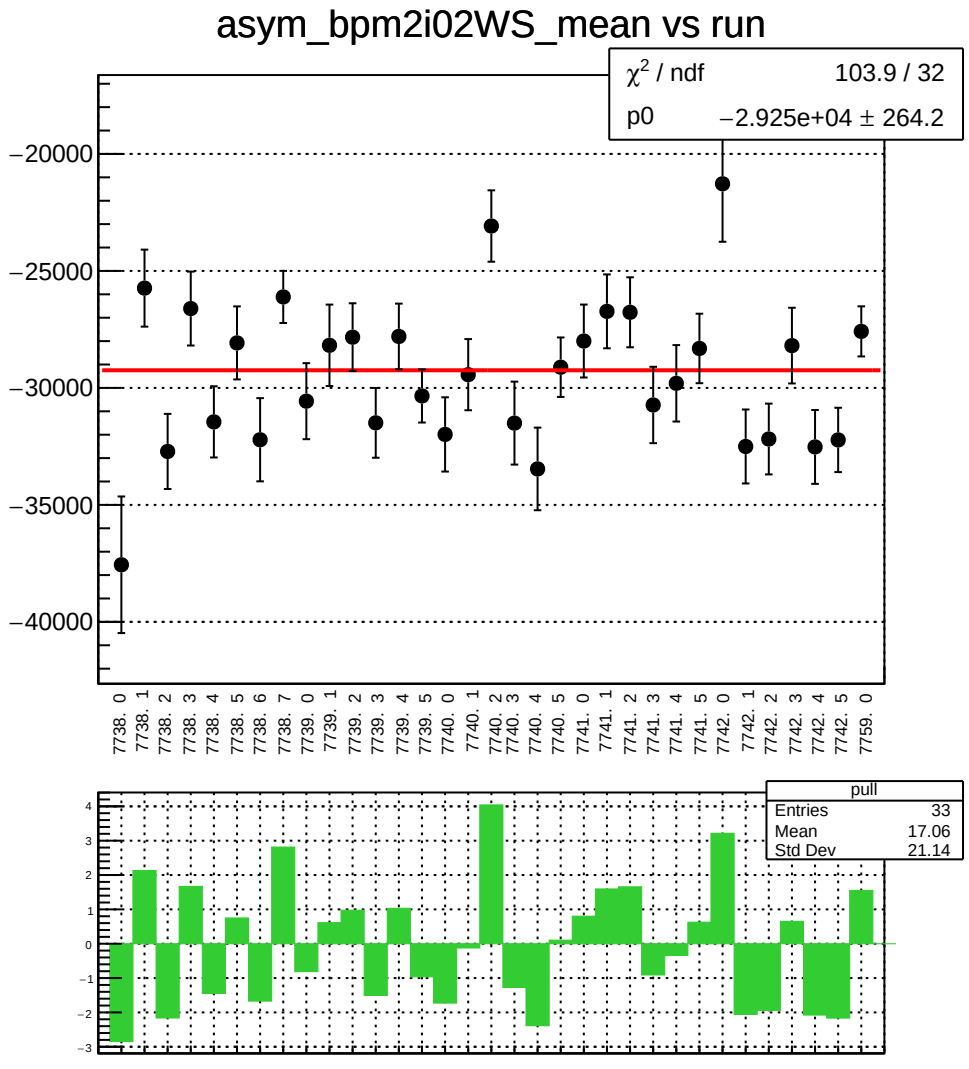

asym_bpm0i07WS_rms vs run
χ² / ndf 4241 / 32
p0 316.9 ± 0.3905
500
450
400
350
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

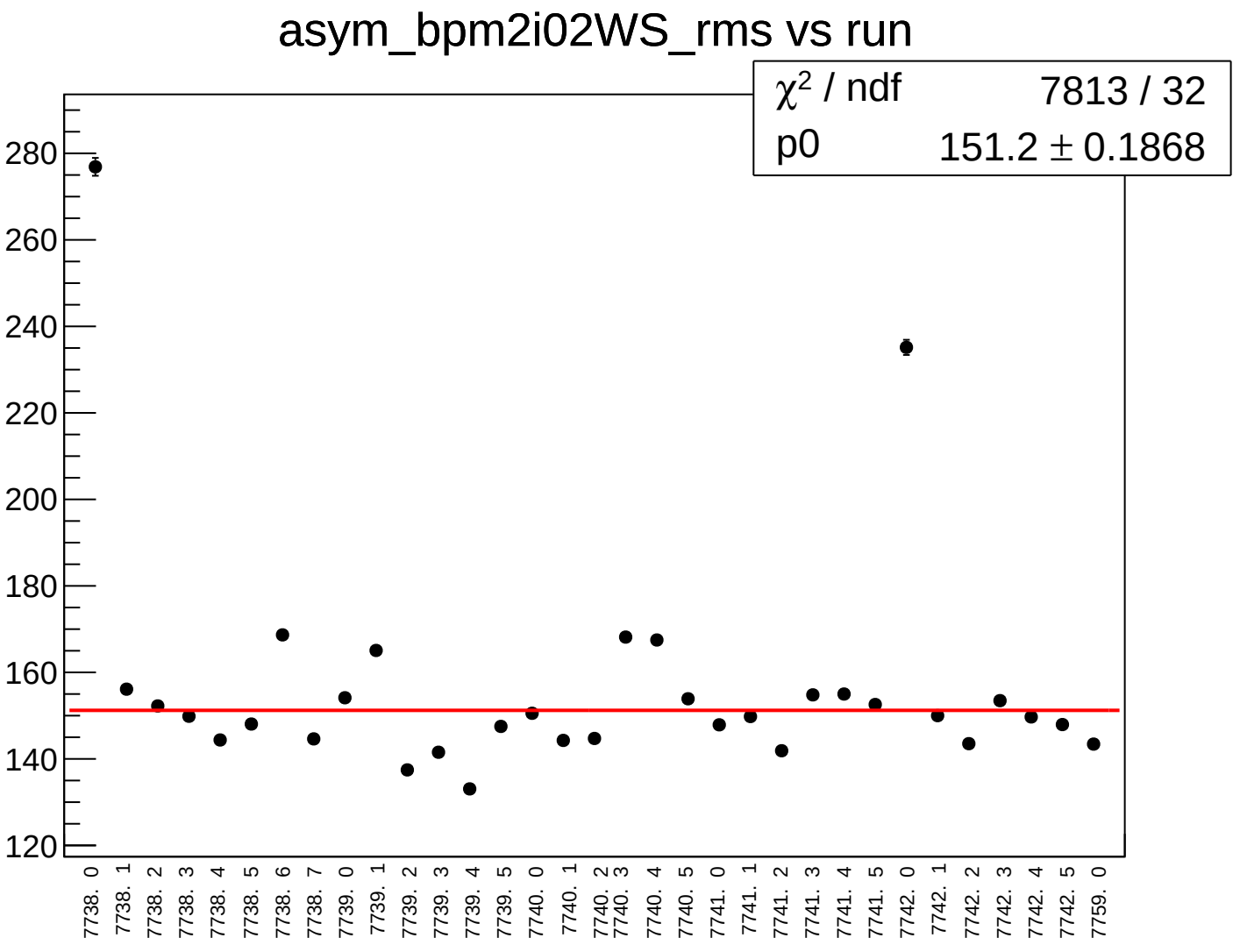

asym_bpm1i02WS_mean vs run
χ² / ndf 103.9 / 32
p0 −2.971e+04 ± 255.1
−20000
−25000
−30000
−35000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.77
Std Dev 0
pull1D
Entries 33
Mean −0.07152
Std Dev 1.773

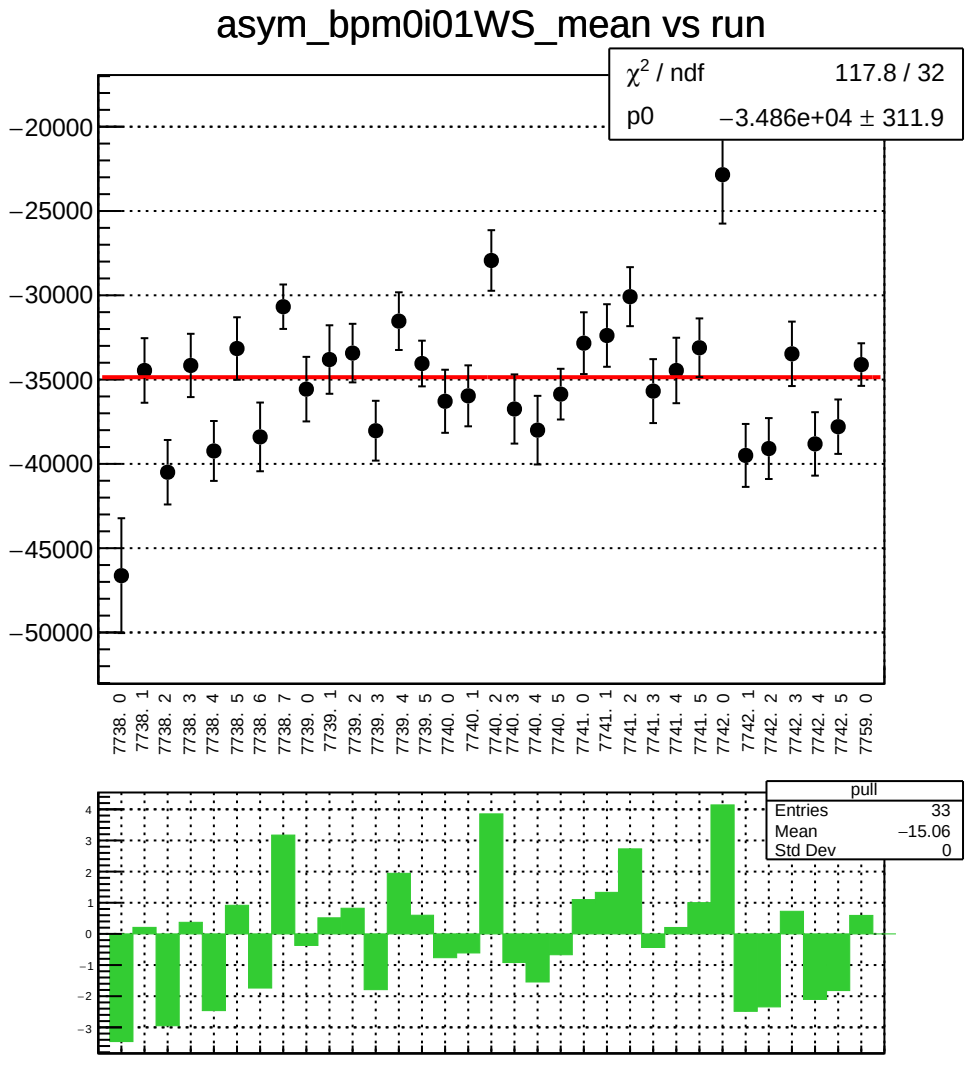

asym_bpm1i02WS_rms vs run
χ² / ndf 9807 / 32
p0 145.8 ± 0.1804
340
320
300
280
260
240
220
200
180
160
140
120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

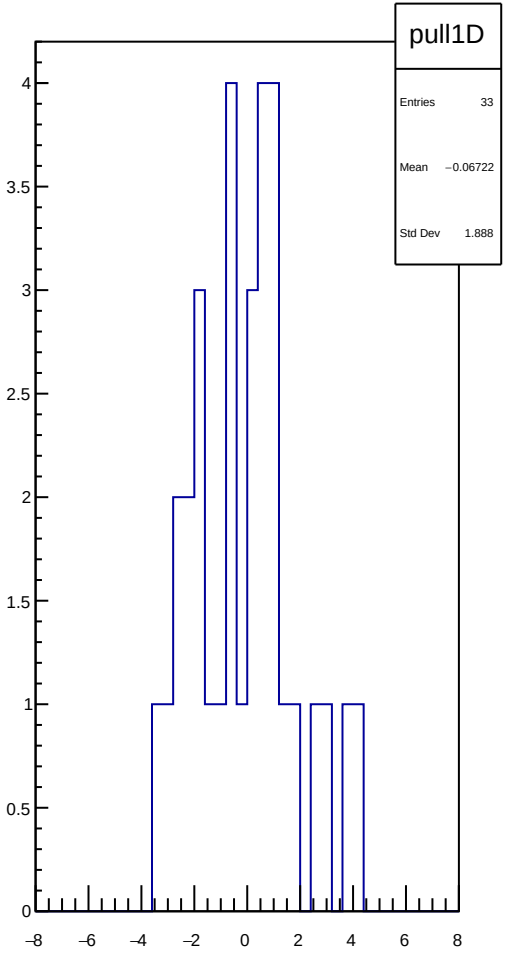

asym_bpm2i01WS_mean vs run
χ² / ndf 129 / 32
p0 −2.884e+04 ± 249.3
−20000
−25000
−30000
−35000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.16
Std Dev 23.71
pull1D
Entries 33
Mean −0.06818
Std Dev 1.976

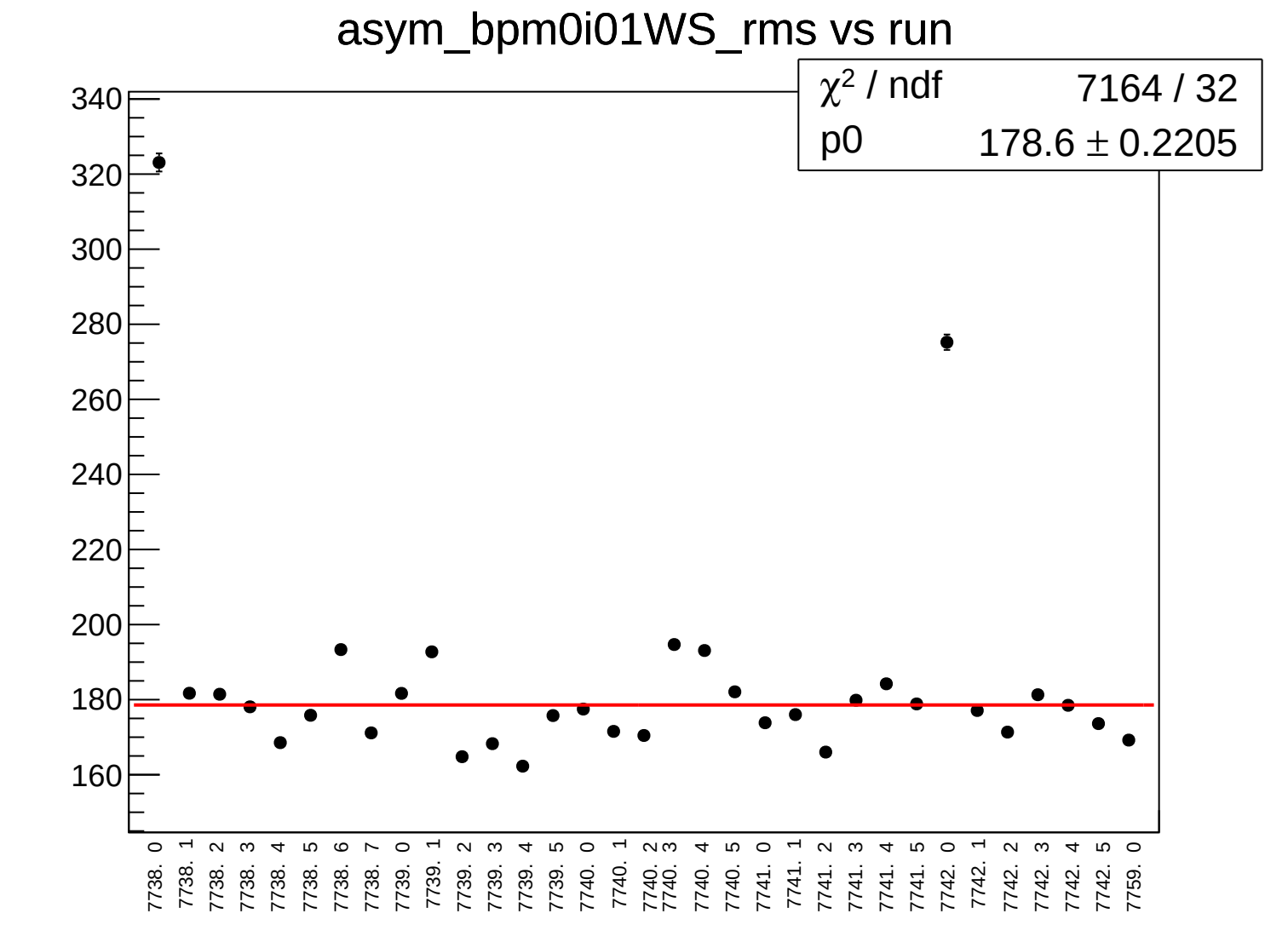

asym_bpm2i01WS_rms vs run
χ² / ndf 7272 / 32
p0 142.7 ± 0.1763
260
240
220
200
180
160
140
120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

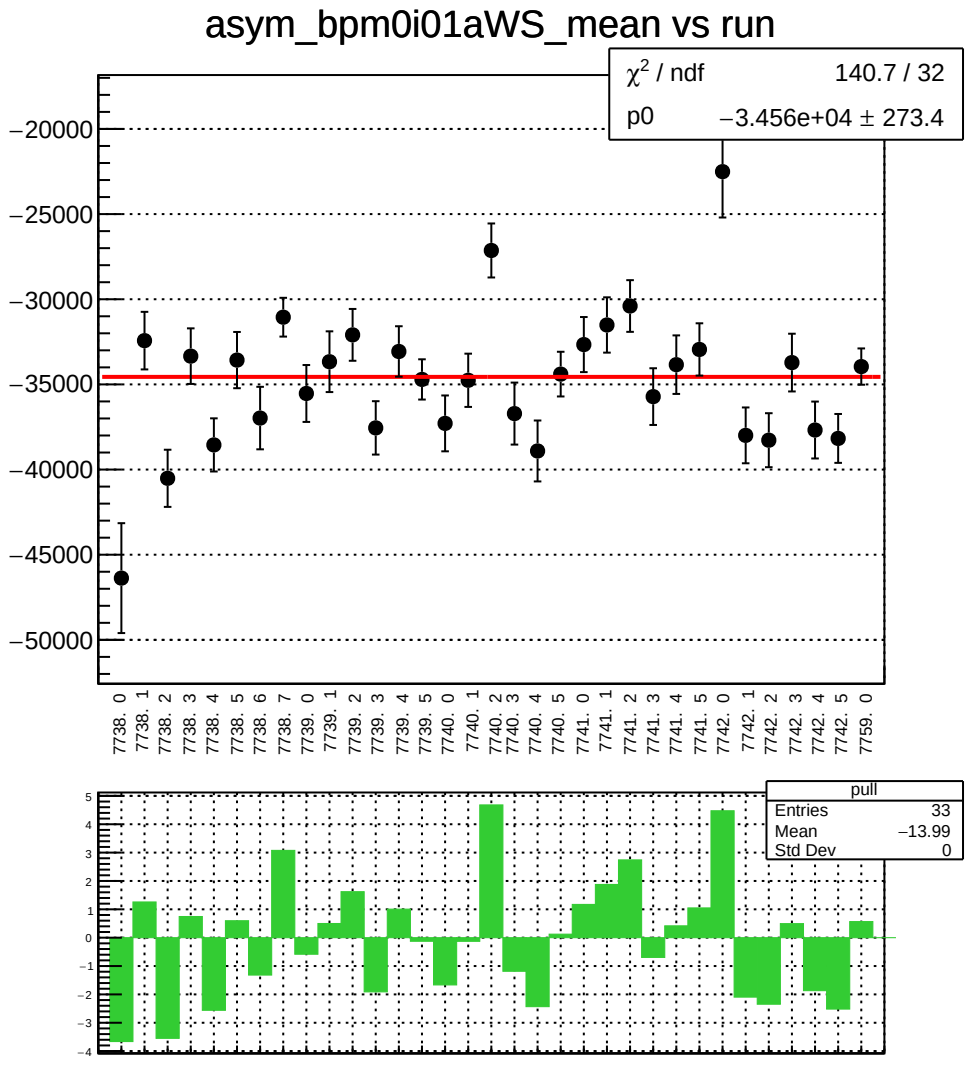

asym_bpm2i02WS_mean vs run
χ² / ndf 103.9 / 32
p0 −2.925e+04 ± 264.2
−20000
−25000
−30000
−35000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.06
Std Dev 21.14
pull1D
Entries 33
Mean −0.06629
Std Dev 1.773

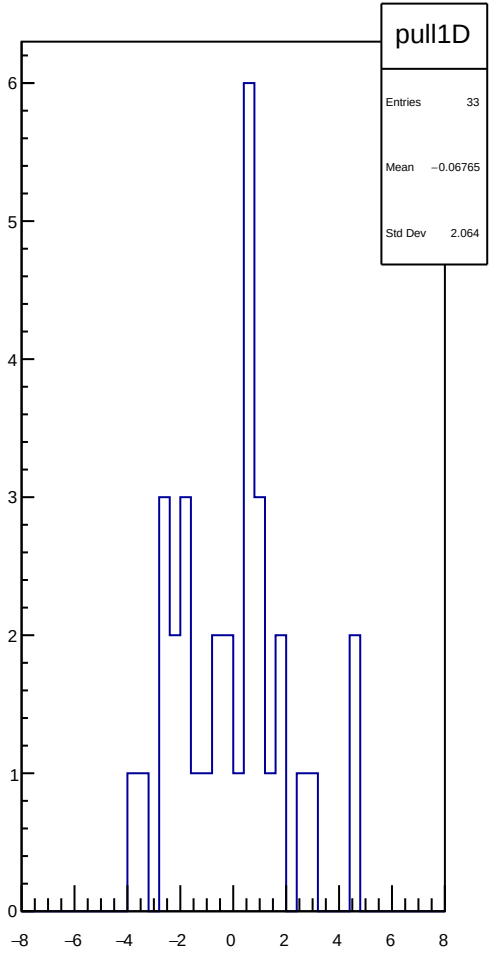

asym_bpm2i02WS_rms vs run
χ² / ndf 7813 / 32
p0 151.2 ± 0.1868
280
260
240
220
200
180
160
140
120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

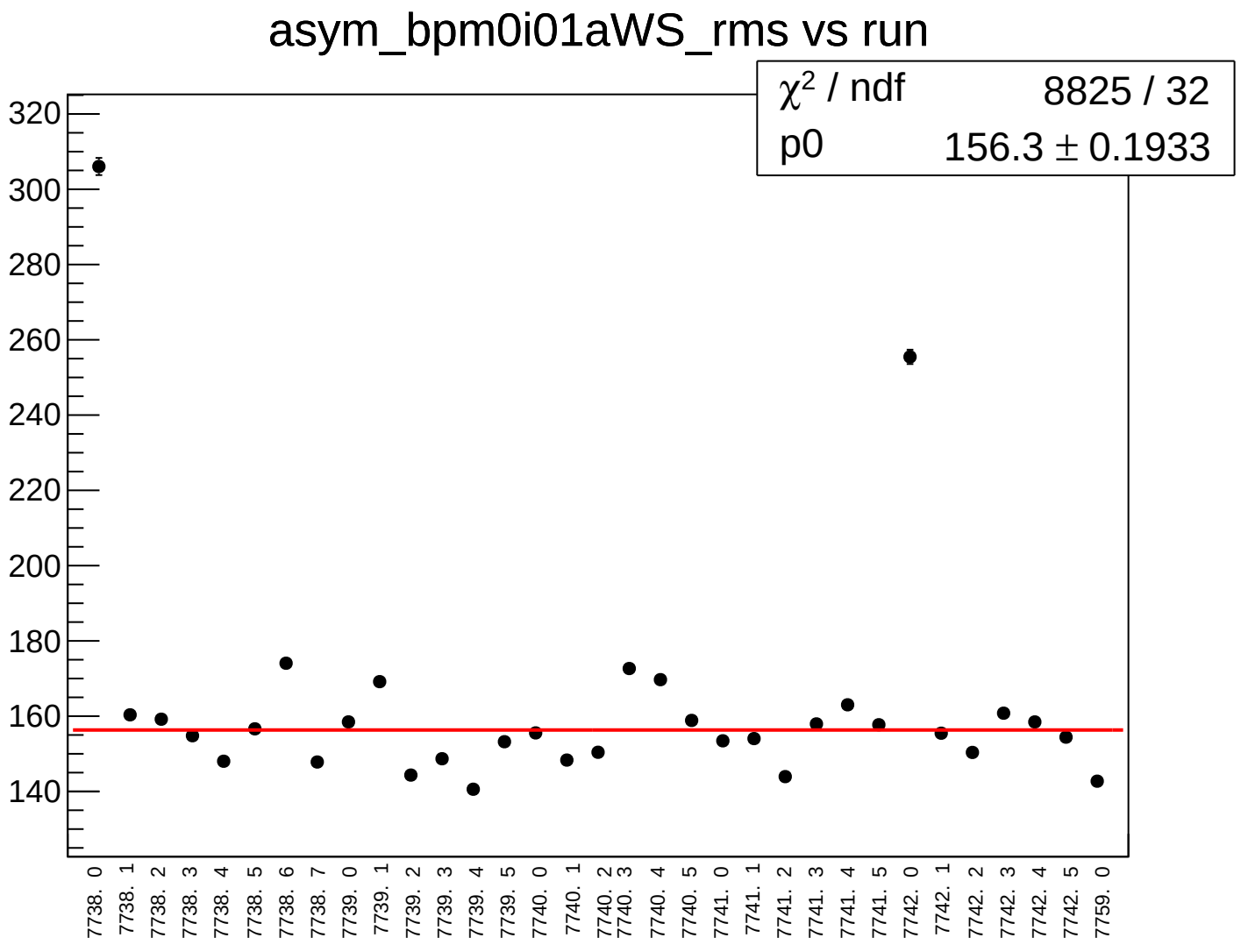

asym_bpm0i01WS_mean vs run
χ² / ndf 117.8 / 32
p0 −3.486e+04 ± 311.9
−20000
−25000
−30000
−35000
−40000
−45000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.06
Std Dev 0

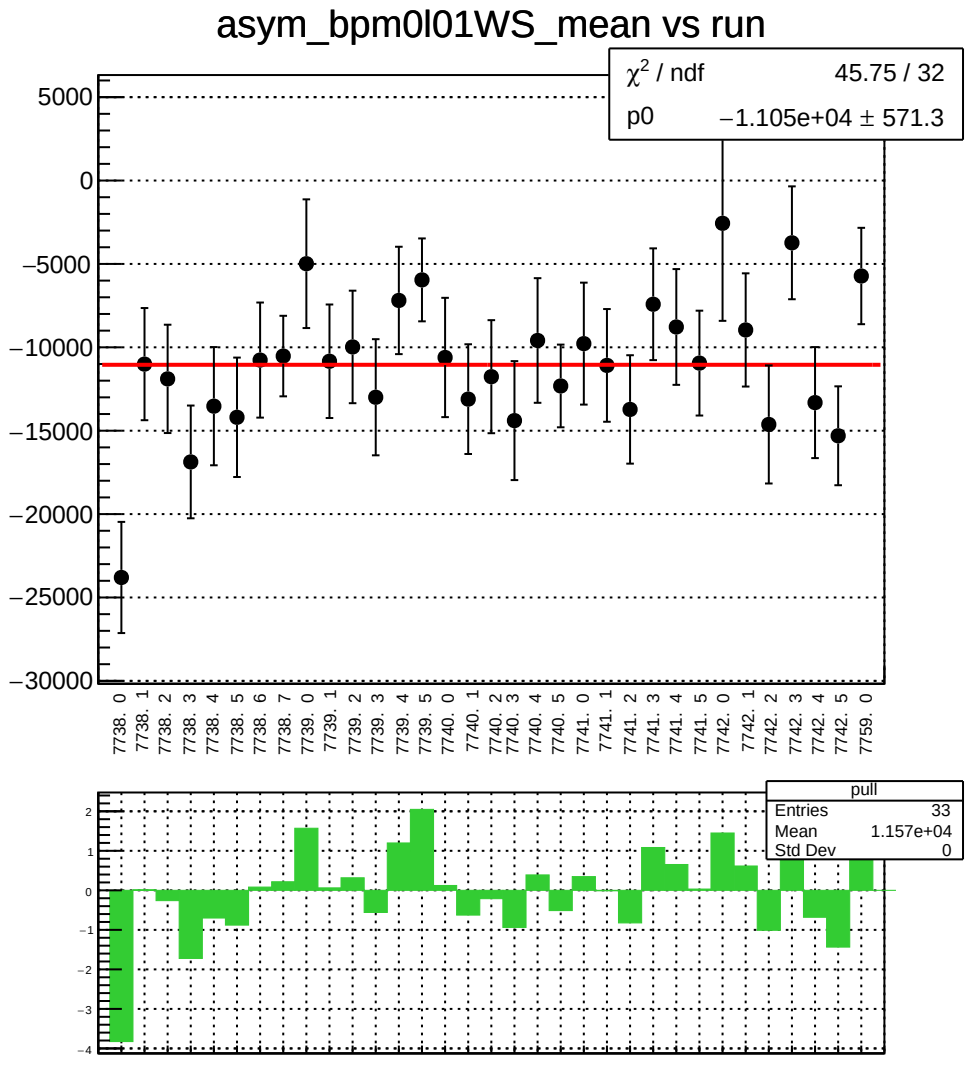

pull1D
Entries 33
Mean −0.06722
Std Dev 1.888

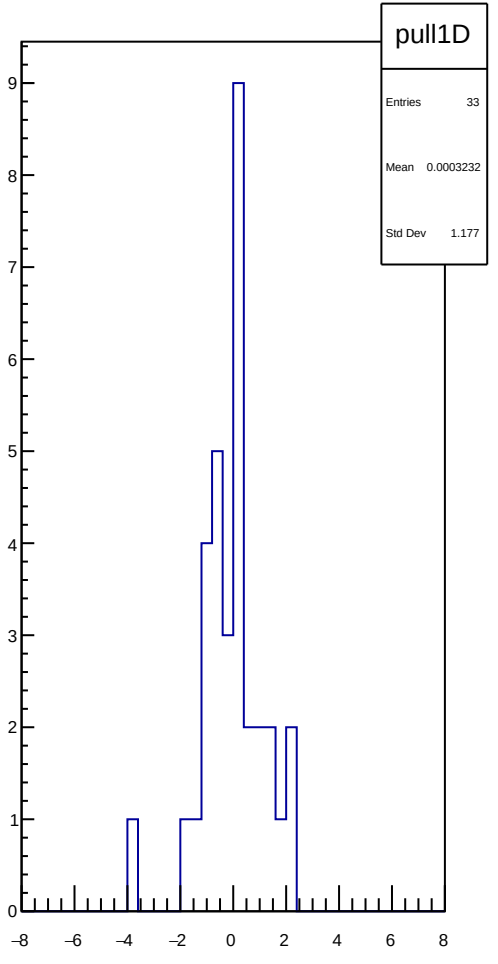

asym_bpm0i01WS_rms vs run
χ² / ndf 7164 / 32
p0 178.6 ± 0.2205
340
320
300
280
260
240
220
200
180
160
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

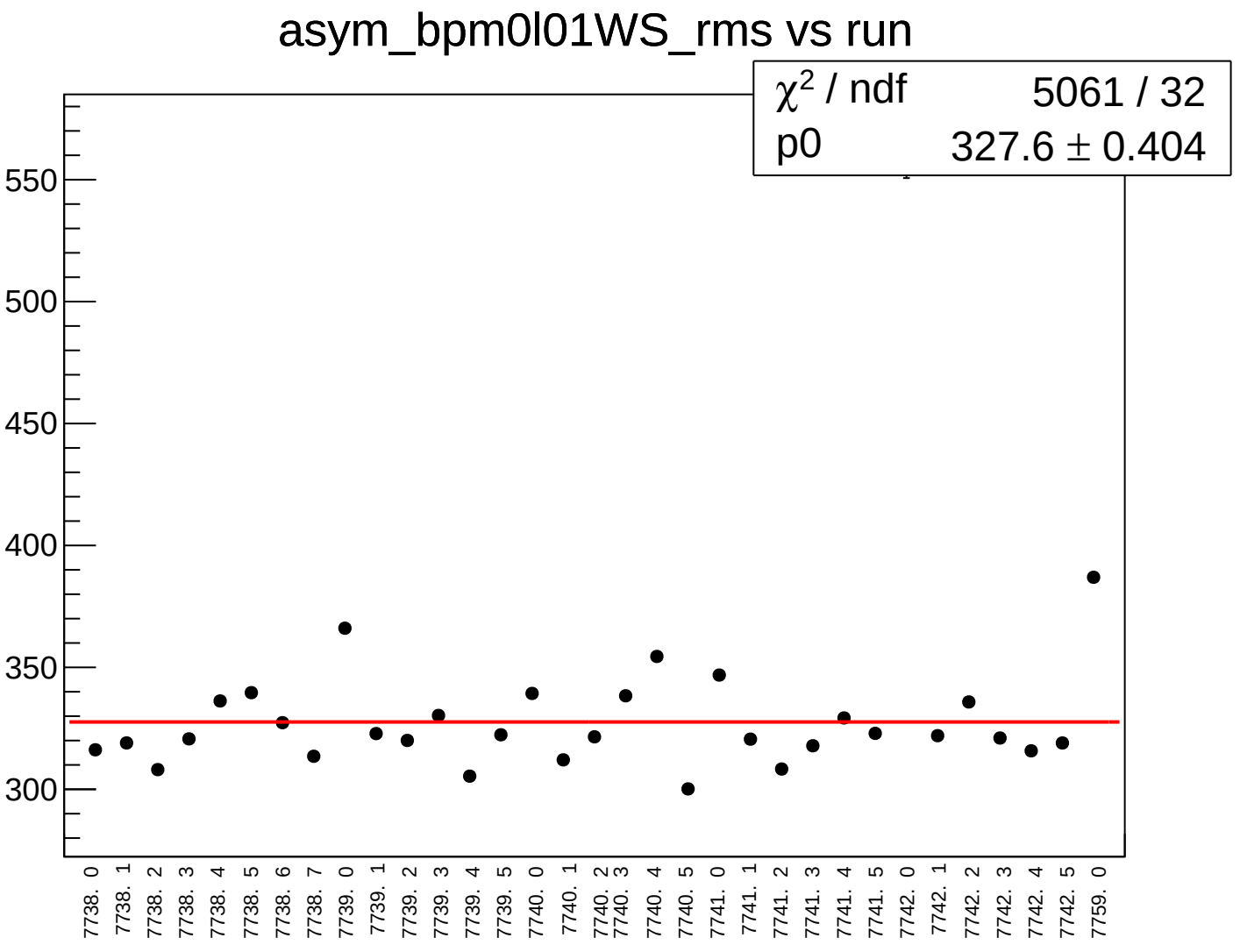

asym_bpm0i01aWS_mean vs run
χ² / ndf 140.7 / 32
p0 −3.456e+04 ± 273.4
−20000
−25000
−30000
−35000
−40000
−45000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.99
Std Dev 0

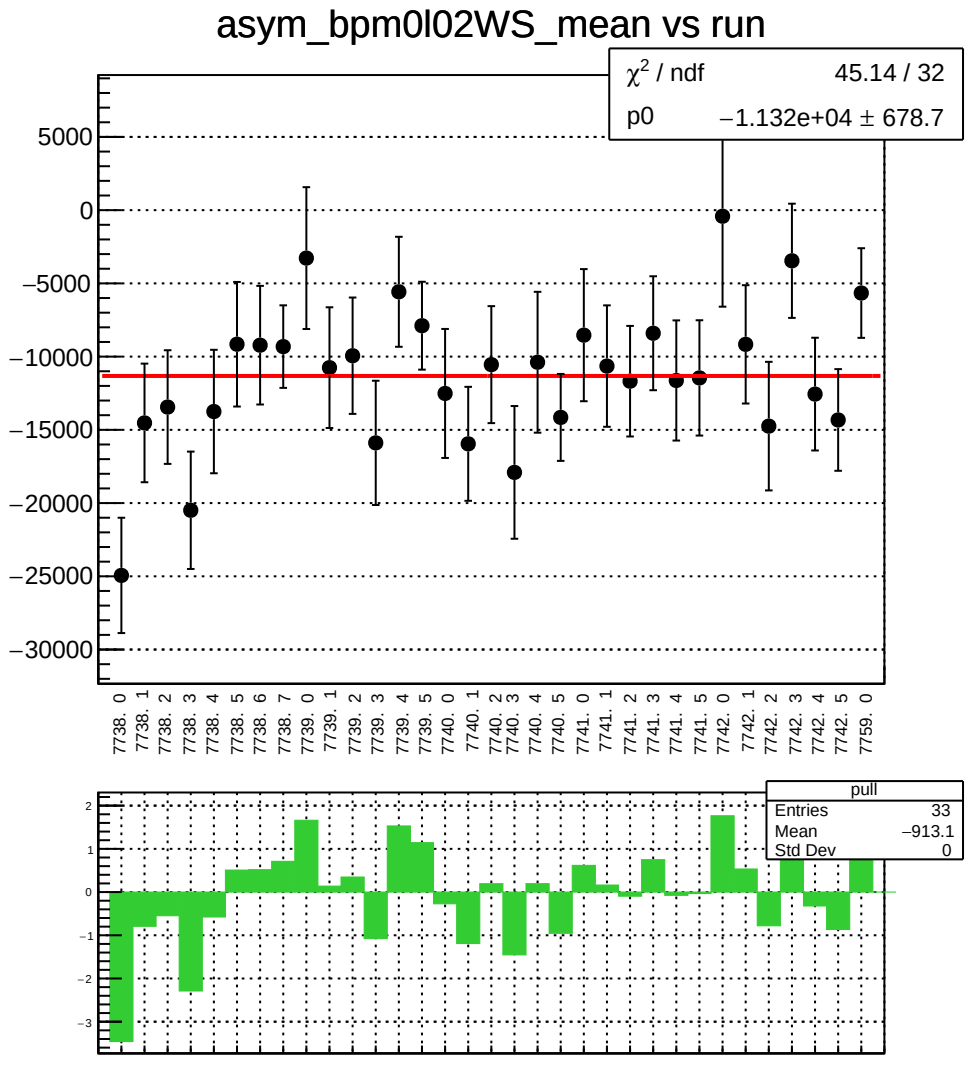

pull1D
Entries 33
Mean −0.06765
Std Dev 2.064

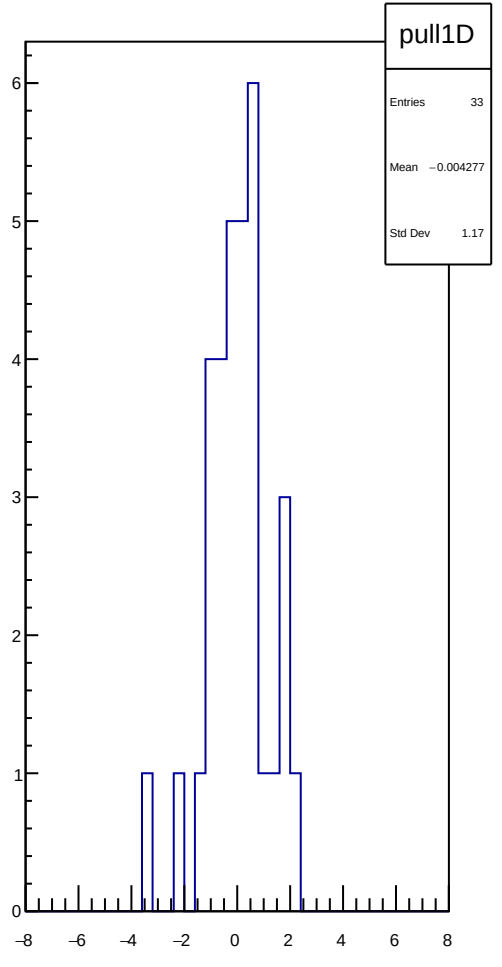

asym_bpm0i01aWS_rms vs run
χ² / ndf 8825 / 32
p0 156.3 ± 0.1933
320
300
280
260
240
220
200
180
160
140
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

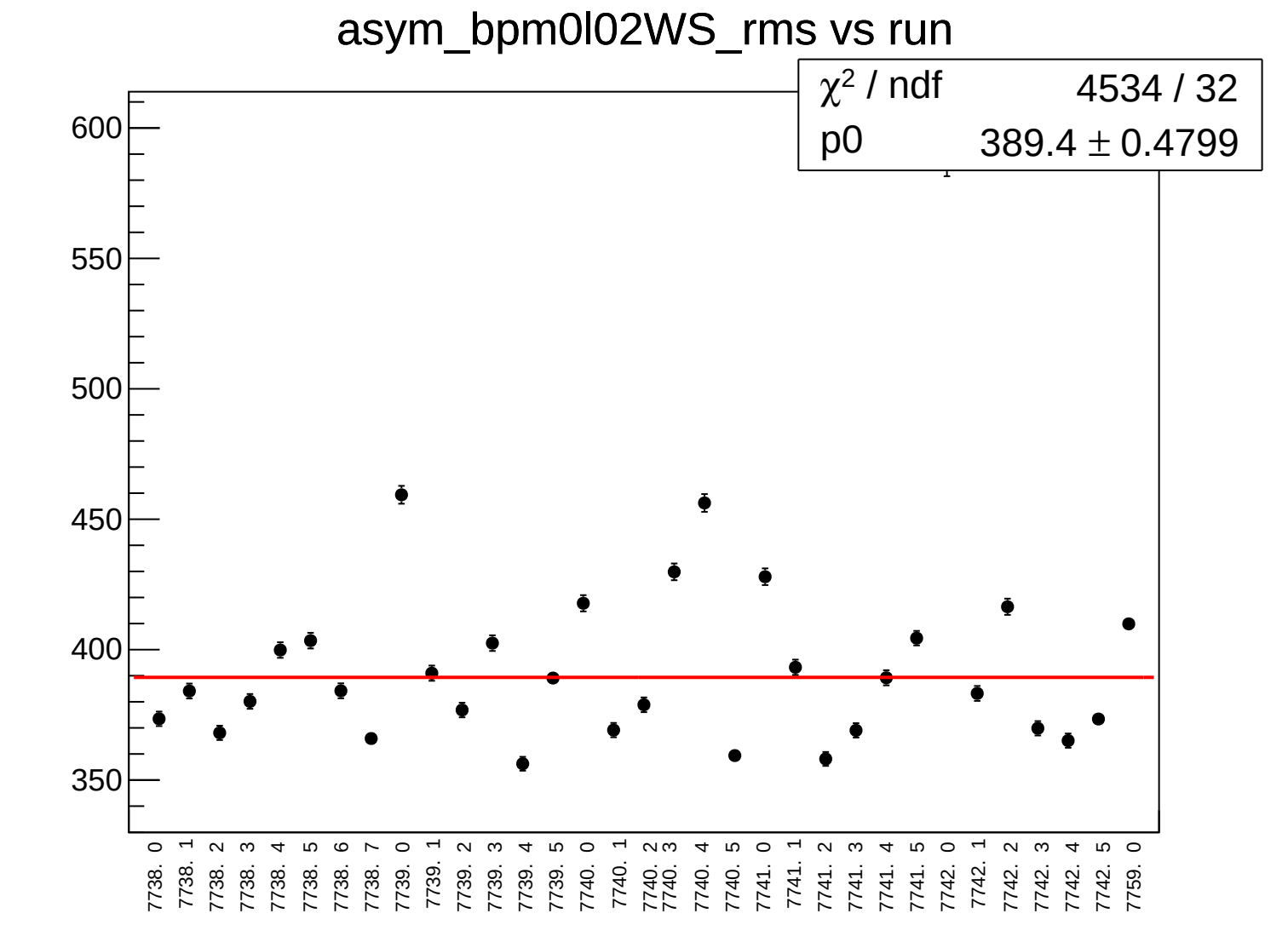

asym_bpm0l01WS_mean vs run
χ² / ndf 45.75 / 32
p0 −1.105e+04 ± 571.3
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.157e+04
Std Dev 0
2
1
0
−1
−2
−3
−4

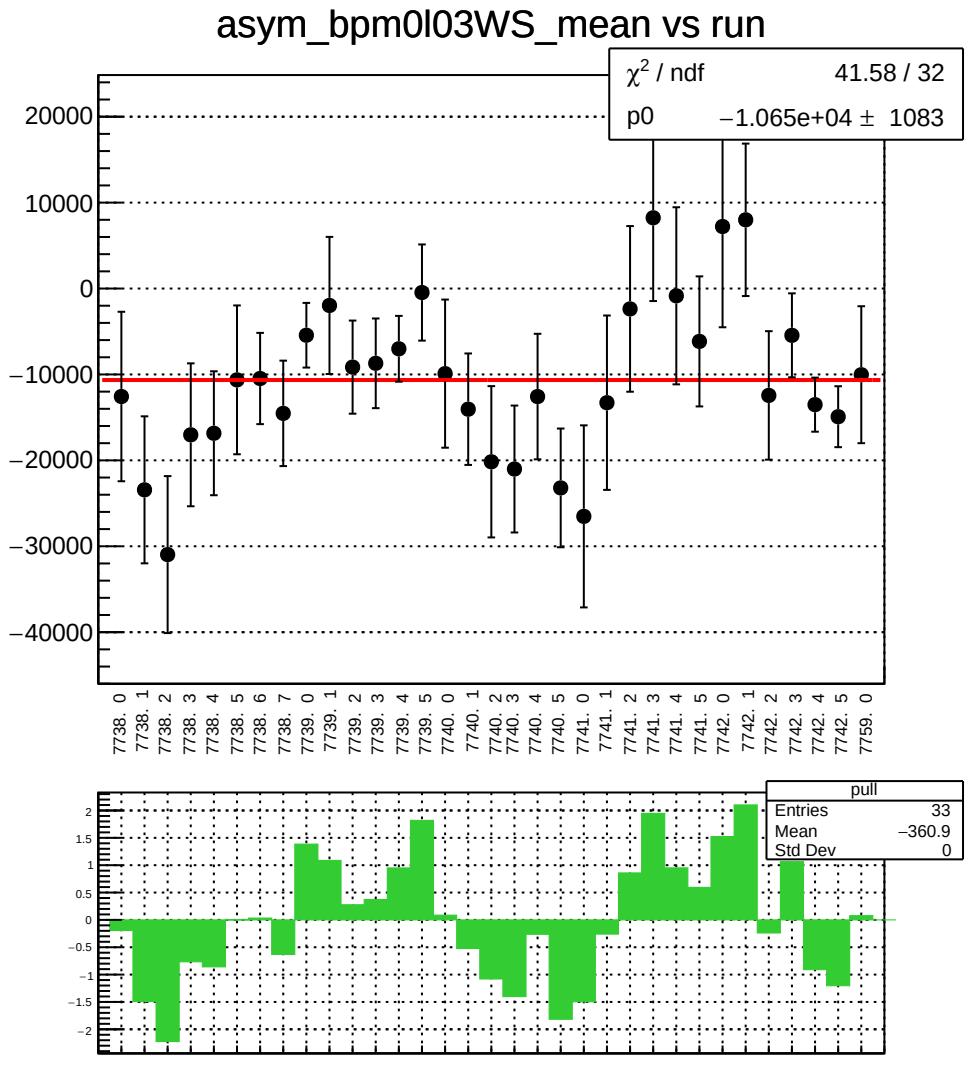

pull1D
Entries 33
Mean 0.0003232
Std Dev 1.177
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

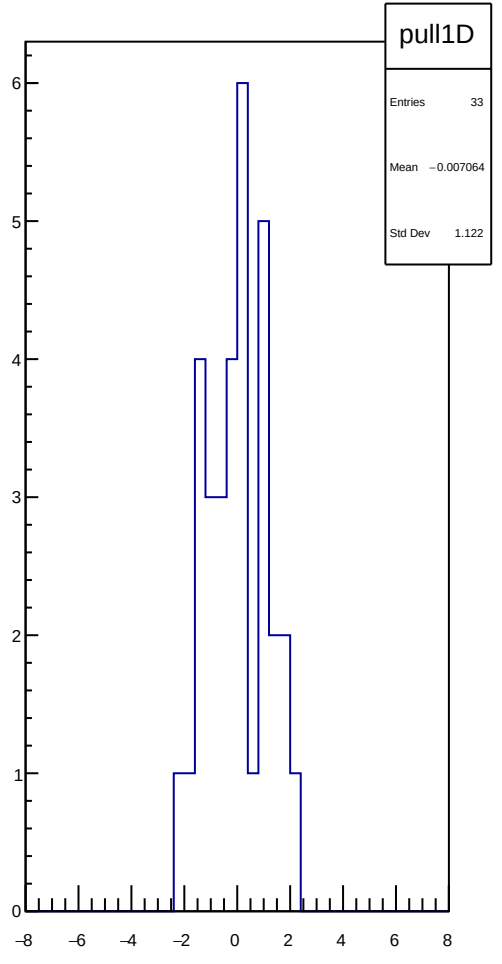

asym_bpm0l01WS_rms vs run
χ^2 / ndf 5061 / 32
p0 327.6 ± 0.404
550
500
450
400
350
300
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

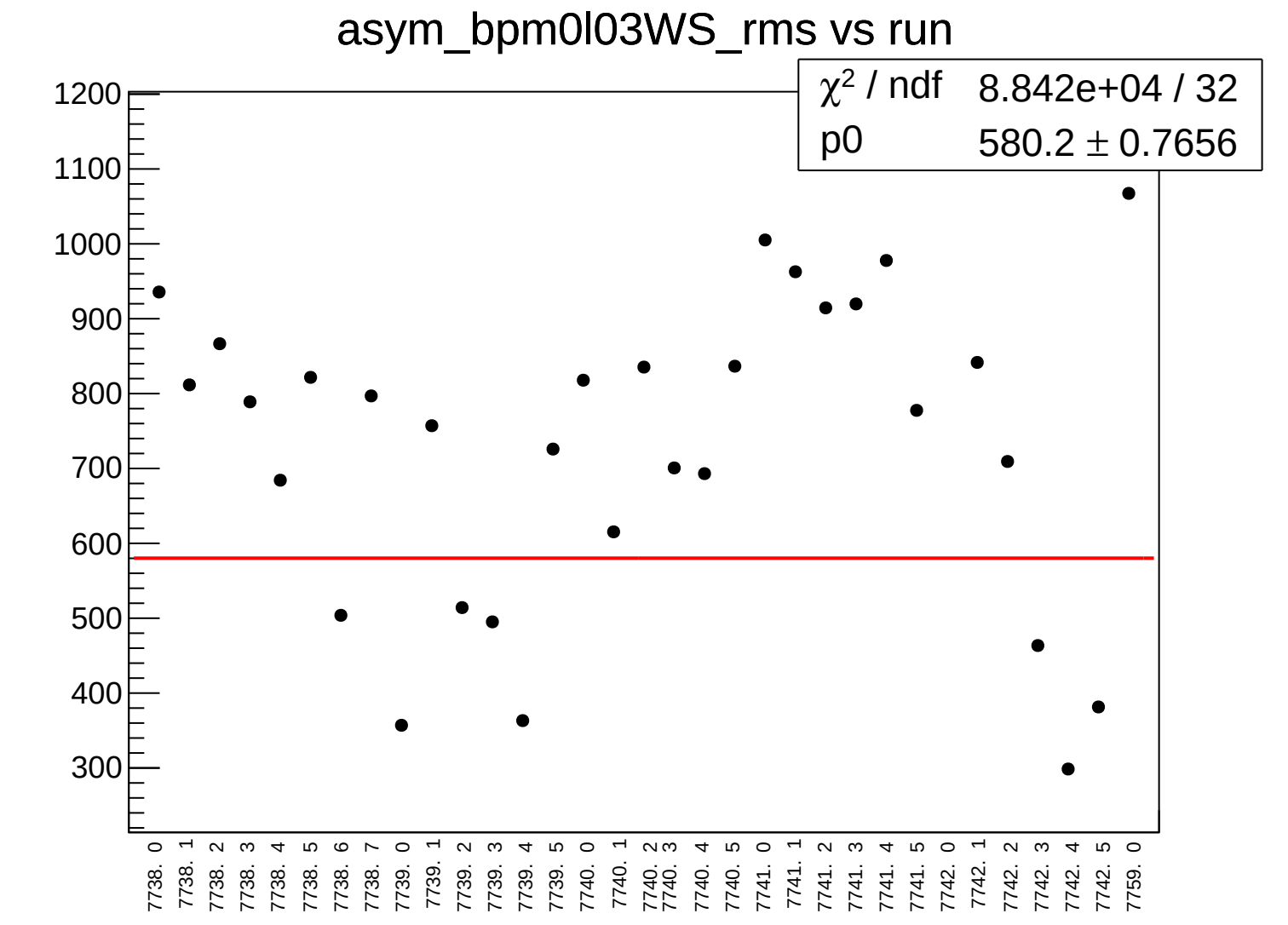

asym_bpm0l02WS_mean vs run
χ² / ndf 45.14 / 32
p0 −1.132e+04 ± 678.7
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −913.1
Std Dev 0
2
1
0
−1
−2
−3

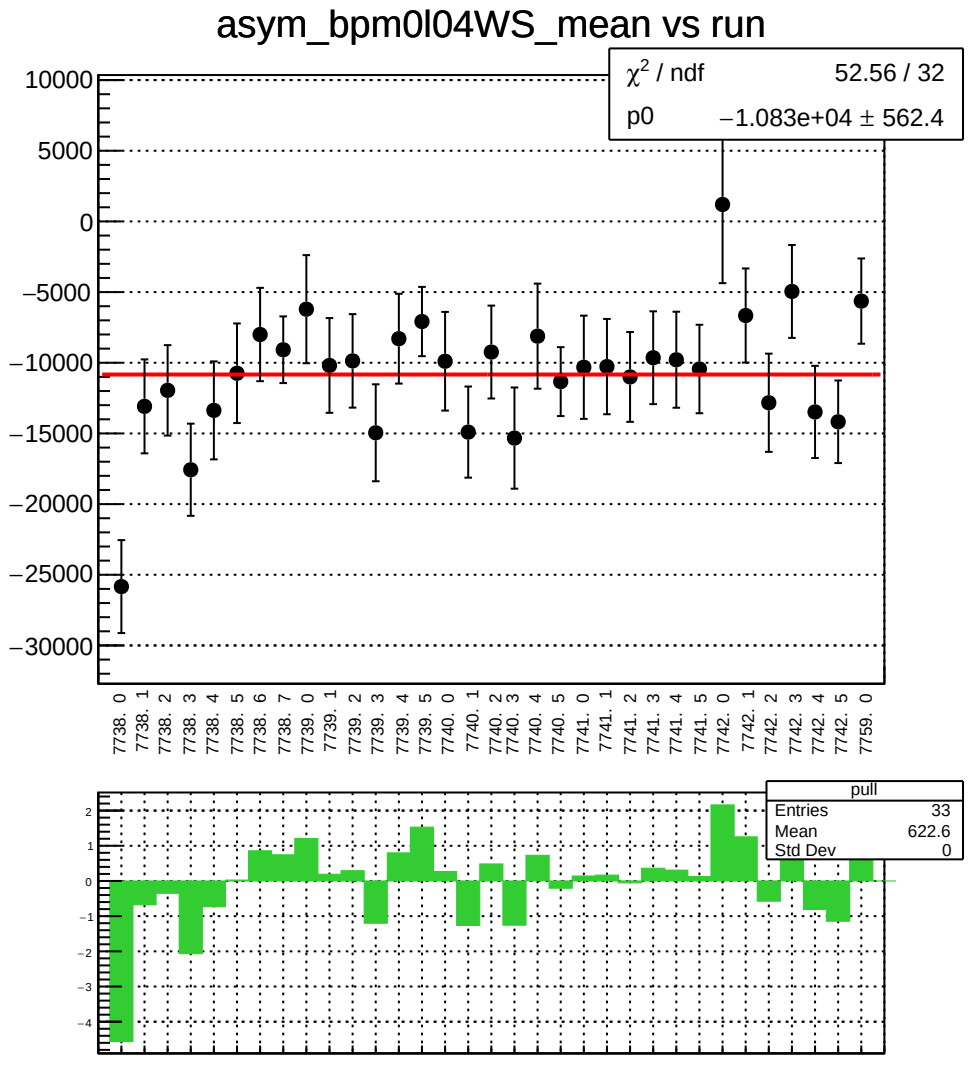

pull1D
Entries 33
Mean −0.004277
Std Dev 1.17
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

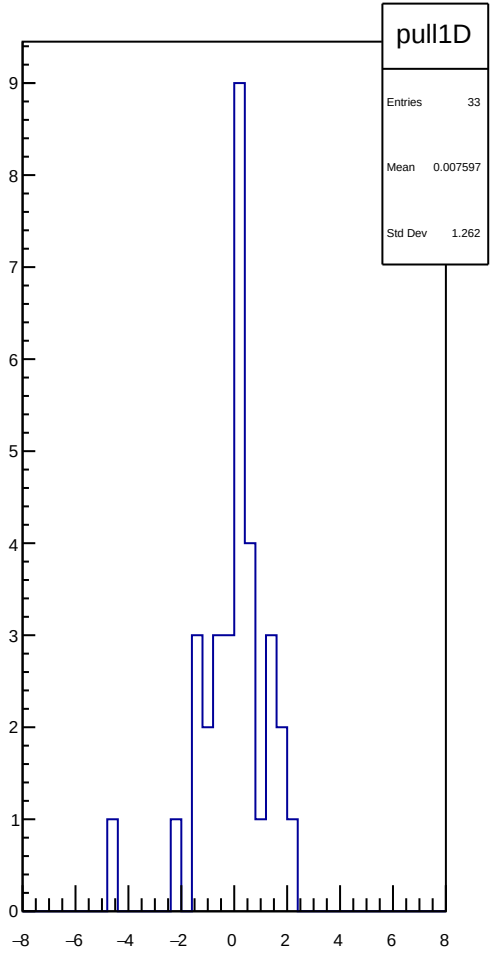

asym_bpm0l02WS_rms vs run
χ² / ndf 4534 / 32
p0 389.4 ± 0.4799
600
550
500
450
400
350
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

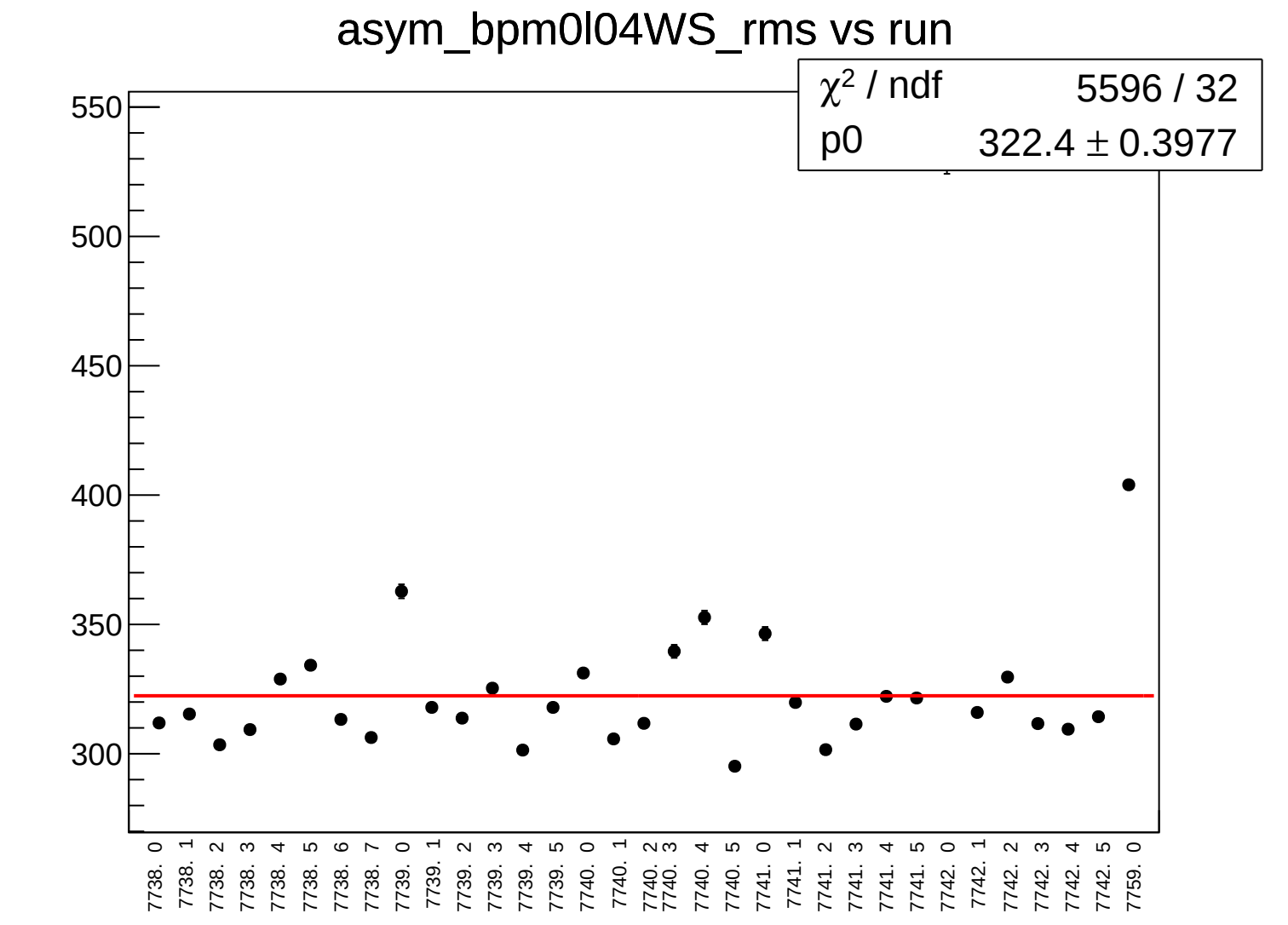

asym_bpm0l03WS_mean vs run
χ² / ndf 41.58 / 32
p0 −1.065e+04 ± 1083
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −360.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

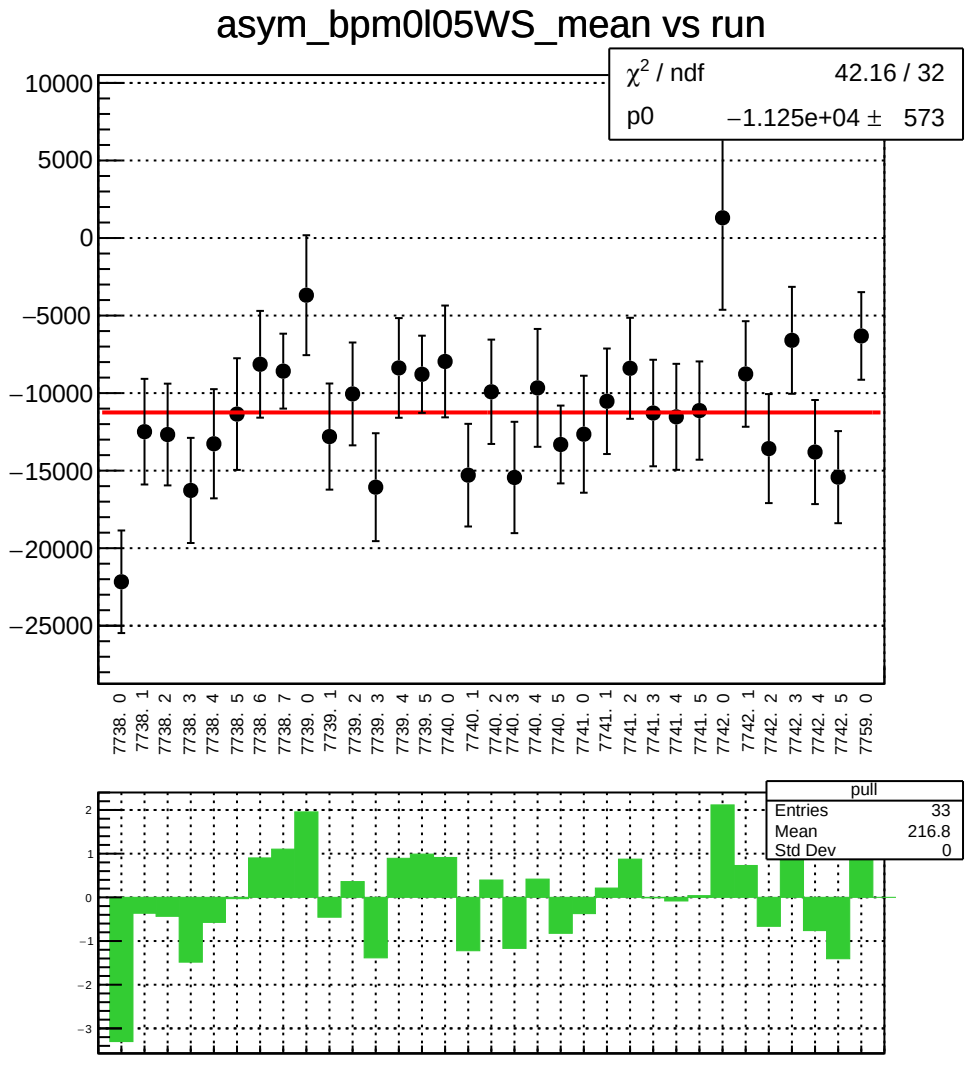

pull1D
Entries 33
Mean −0.007064
Std Dev 1.122
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

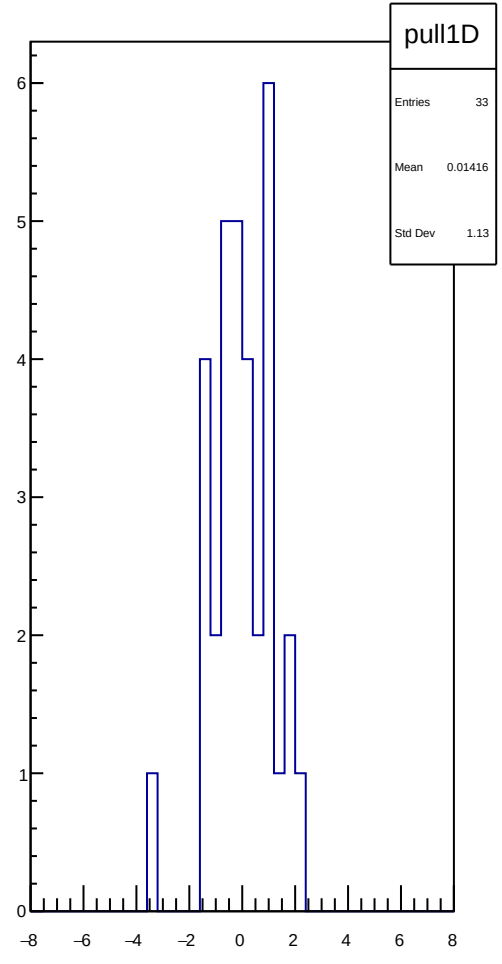

asym_bpm0l03WS_rms vs run
χ² / ndf 8.842e+04 / 32
p0 580.2 ± 0.7656
1200
1100
1000
900
800
700
600
500
400
300
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

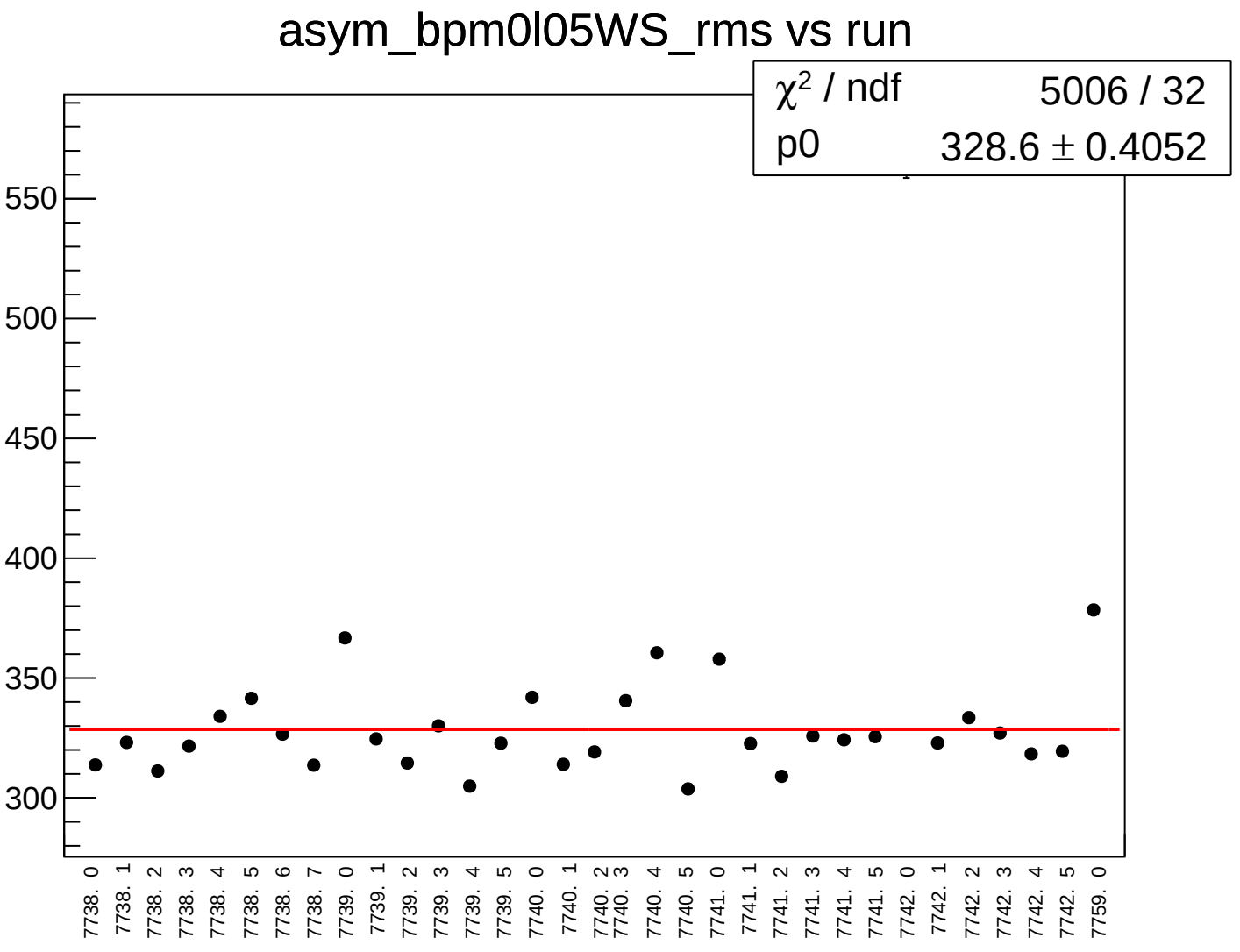

asym_bpm0l04WS_mean vs run
χ² / ndf 52.56 / 32
p0 −1.083e+04 ± 562.4
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 622.6
Std Dev 0
2
1
0
−1
−2
−3
−4

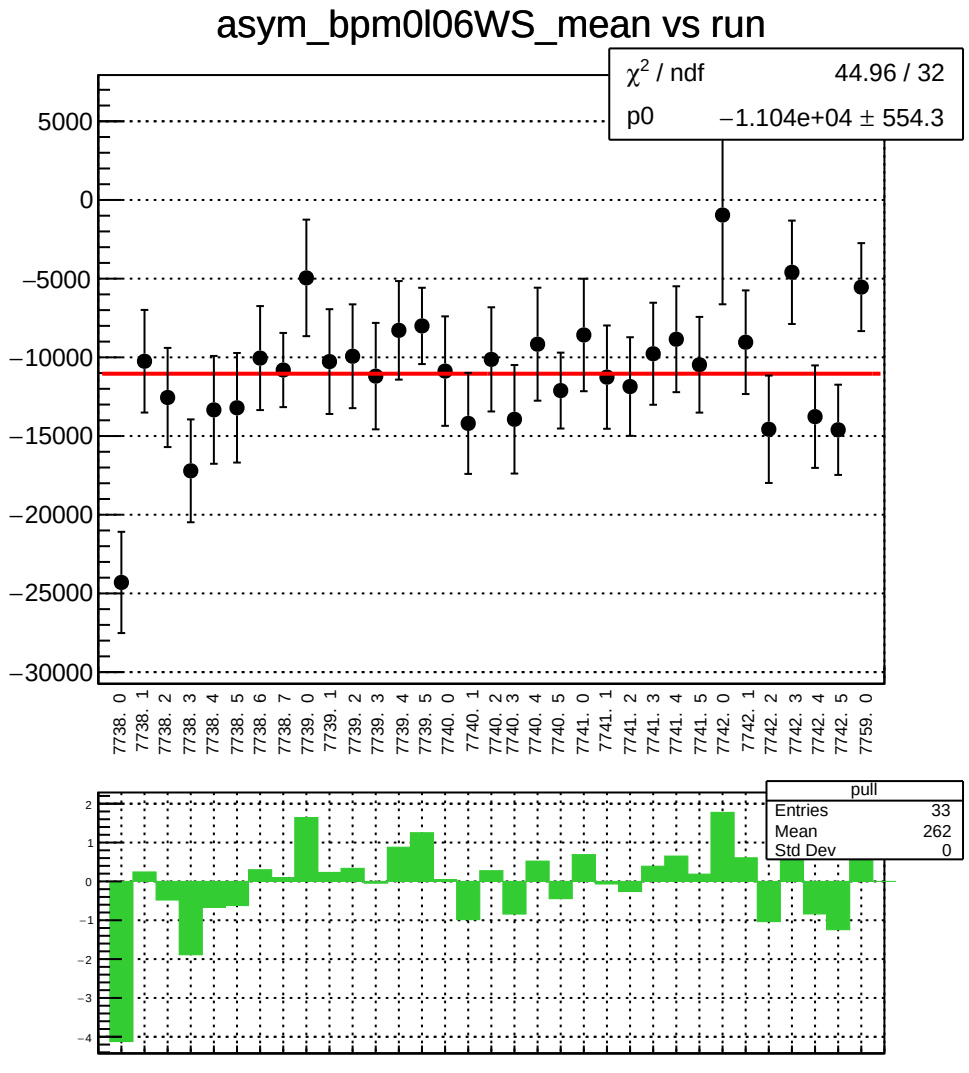

pull1D
Entries 33
Mean 0.007597
Std Dev 1.262
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

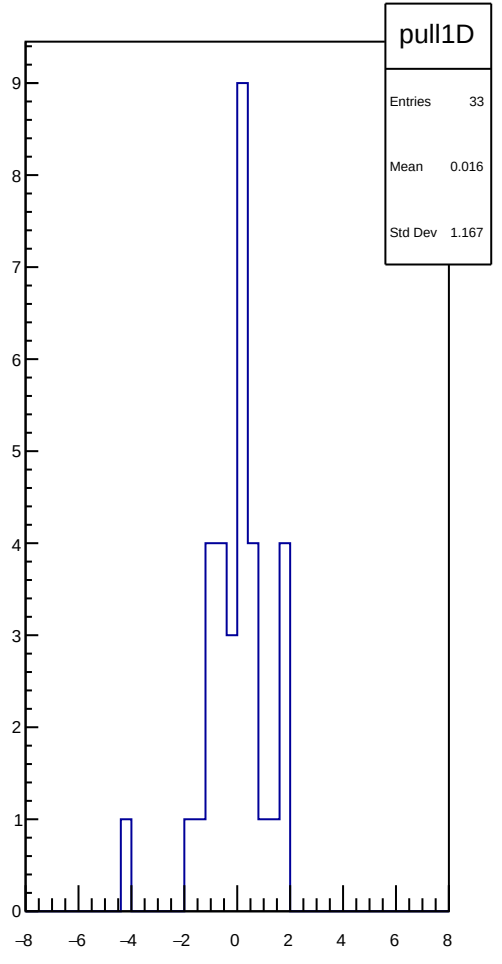

asym_bpm0l04WS_rms vs run
χ² / ndf 5596 / 32
p0 322.4 ± 0.3977
550
500
450
400
350
300
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

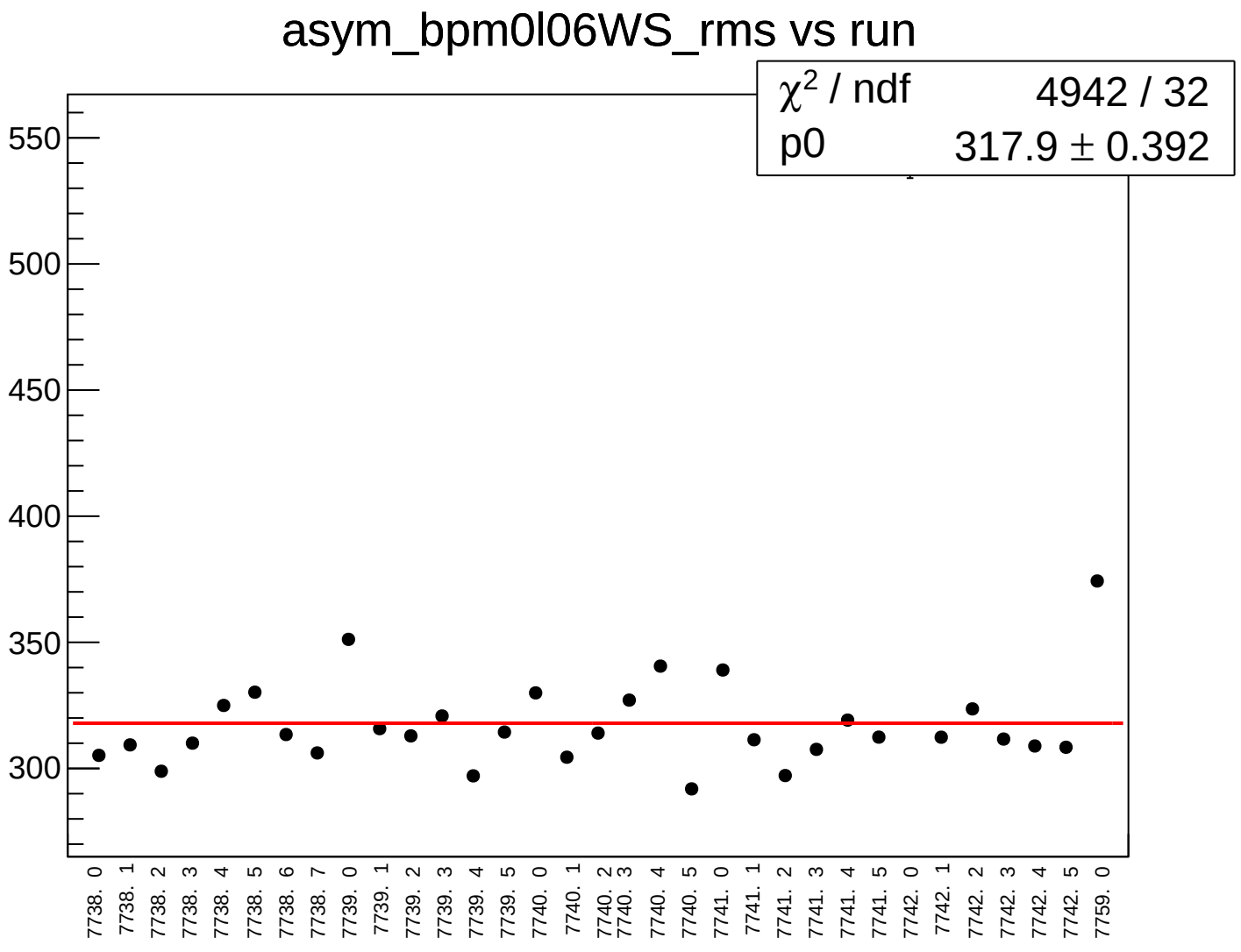

asym_bpm0l05WS_mean vs run
χ² / ndf 42.16 / 32
p0 −1.125e+04 ± 573
10000
5000
0
−5000
−10000
−15000
−20000
−25000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 216.8
Std Dev 0
2
1
0
−1
−2
−3

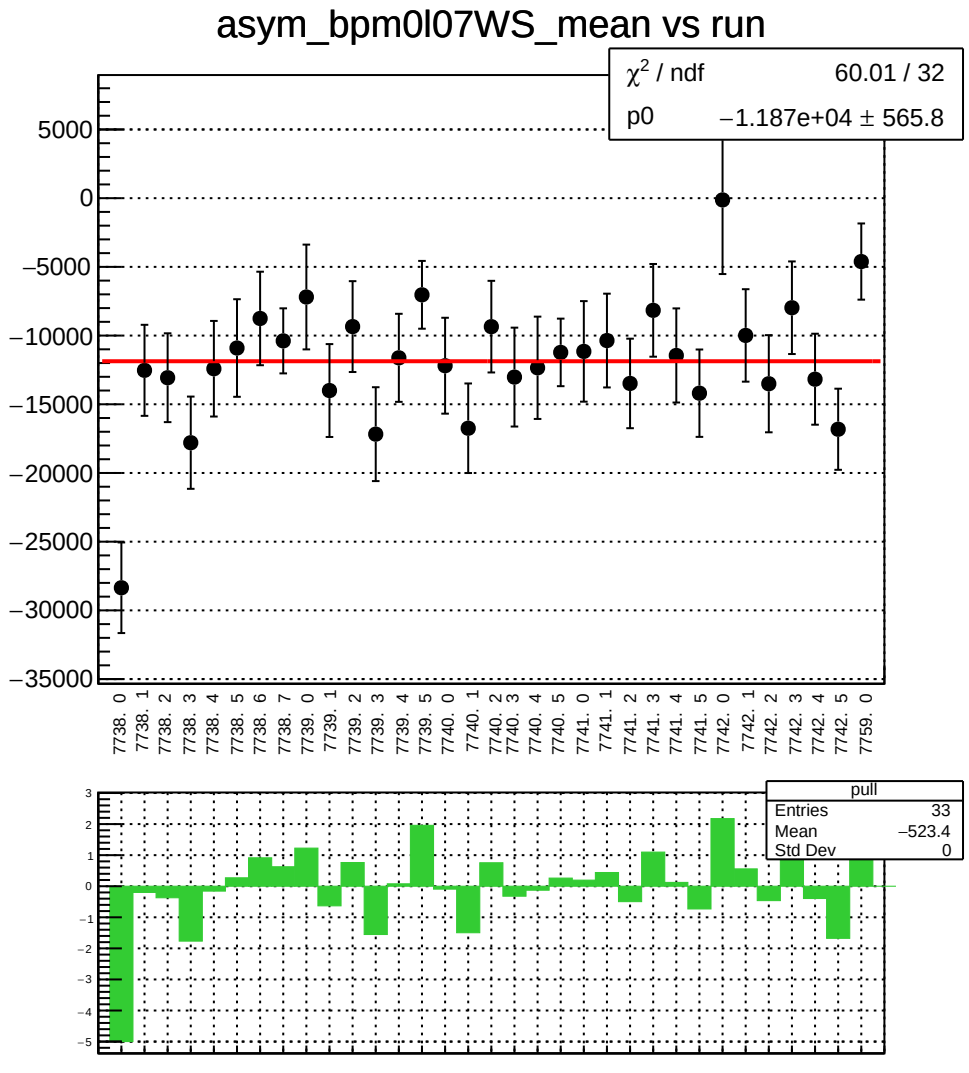

pull1D
Entries 33
Mean 0.01416
Std Dev 1.13
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

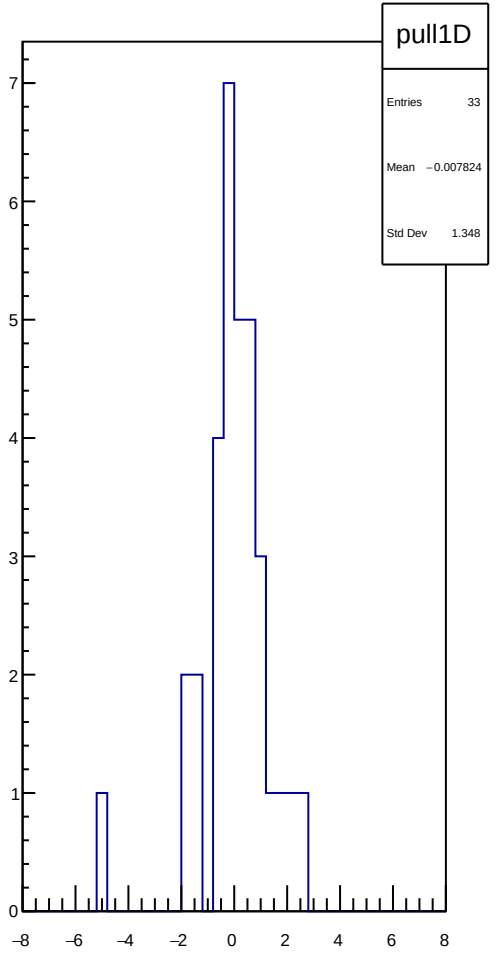

asym_bpm0l05WS_rms vs run
χ² / ndf 5006 / 32
p0 328.6 ± 0.4052
550
500
450
400
350
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

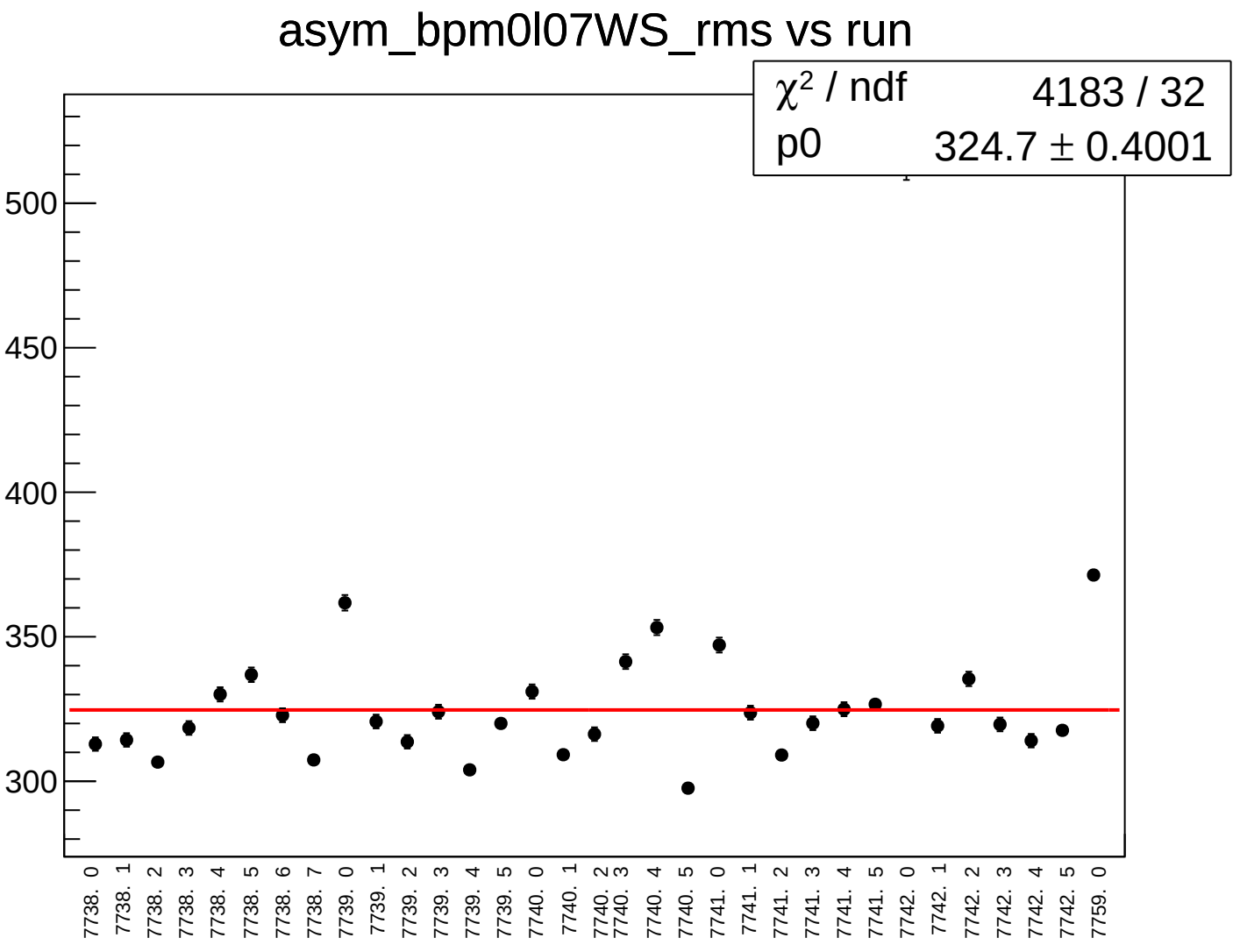

asym_bpm0l06WS_mean vs run
χ² / ndf 44.96 / 32
p0 −1.104e+04 ± 554.3
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 262
Std Dev 0
2
1
0
−1
−2
−3
−4

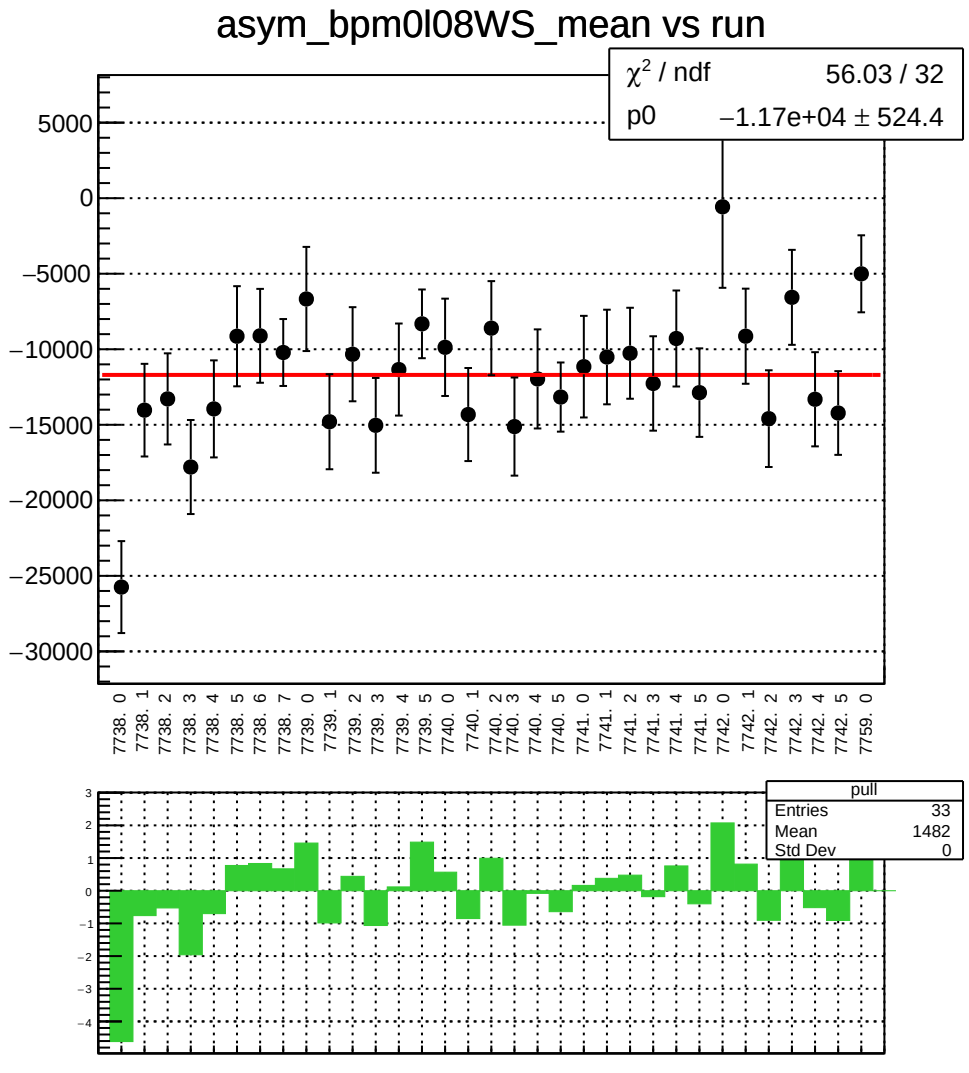

pull1D
Entries 33
Mean 0.016
Std Dev 1.167
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

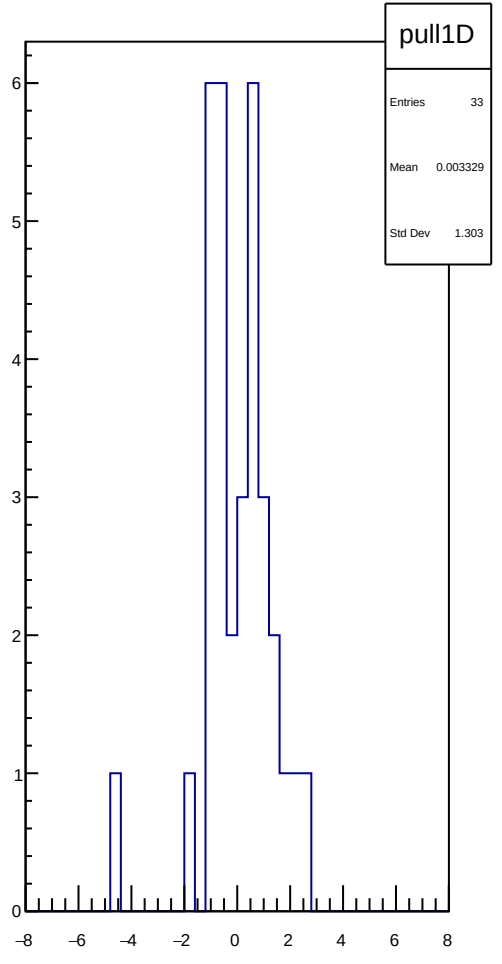

asym_bpm0l06WS_rms vs run
χ² / ndf 4942 / 32
p0 317.9 ± 0.392
550
500
450
400
350
300
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

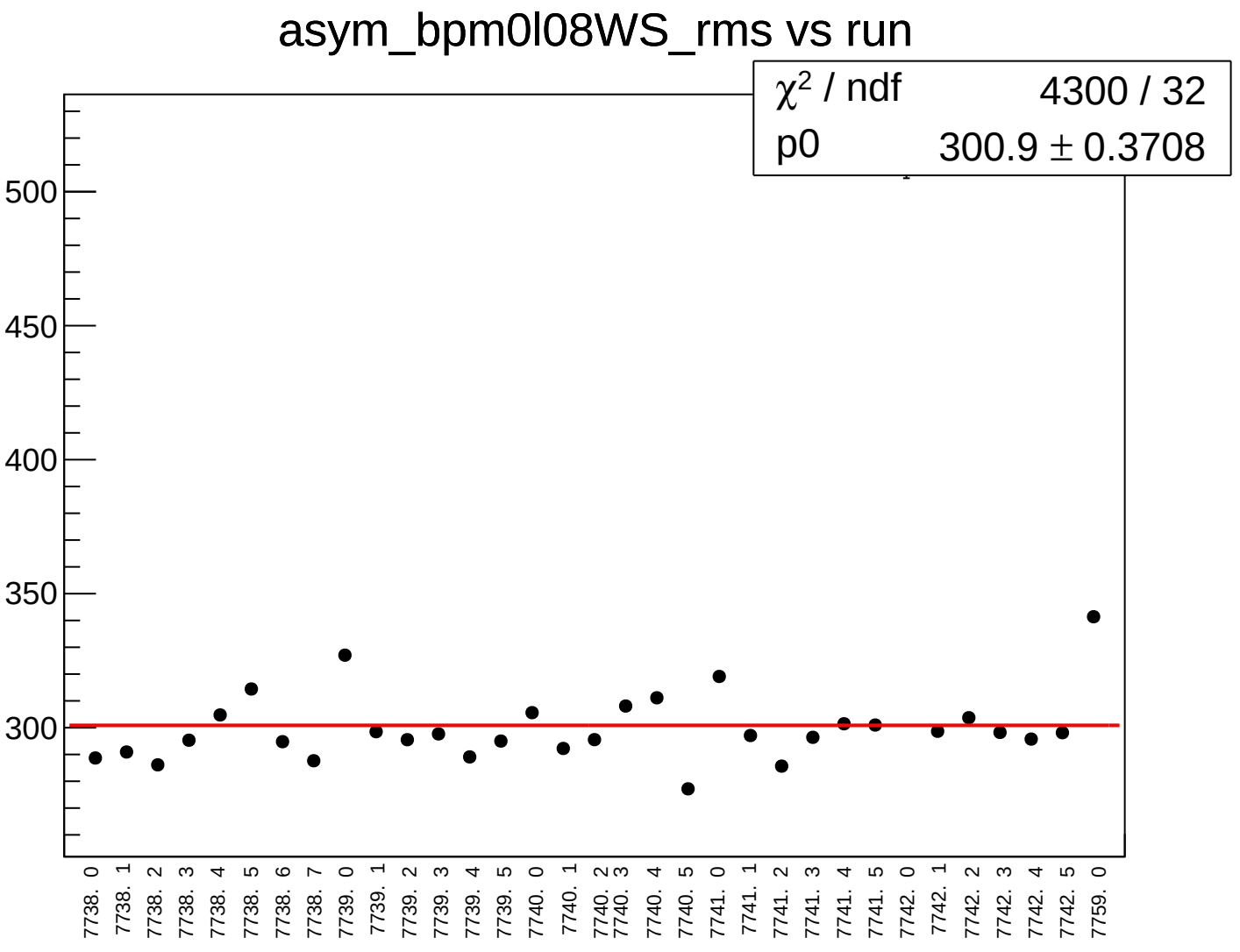

asym_bpm0l07WS_mean vs run
χ² / ndf 60.01 / 32
p0 −1.187e+04 ± 565.8
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −523.4
Std Dev 0

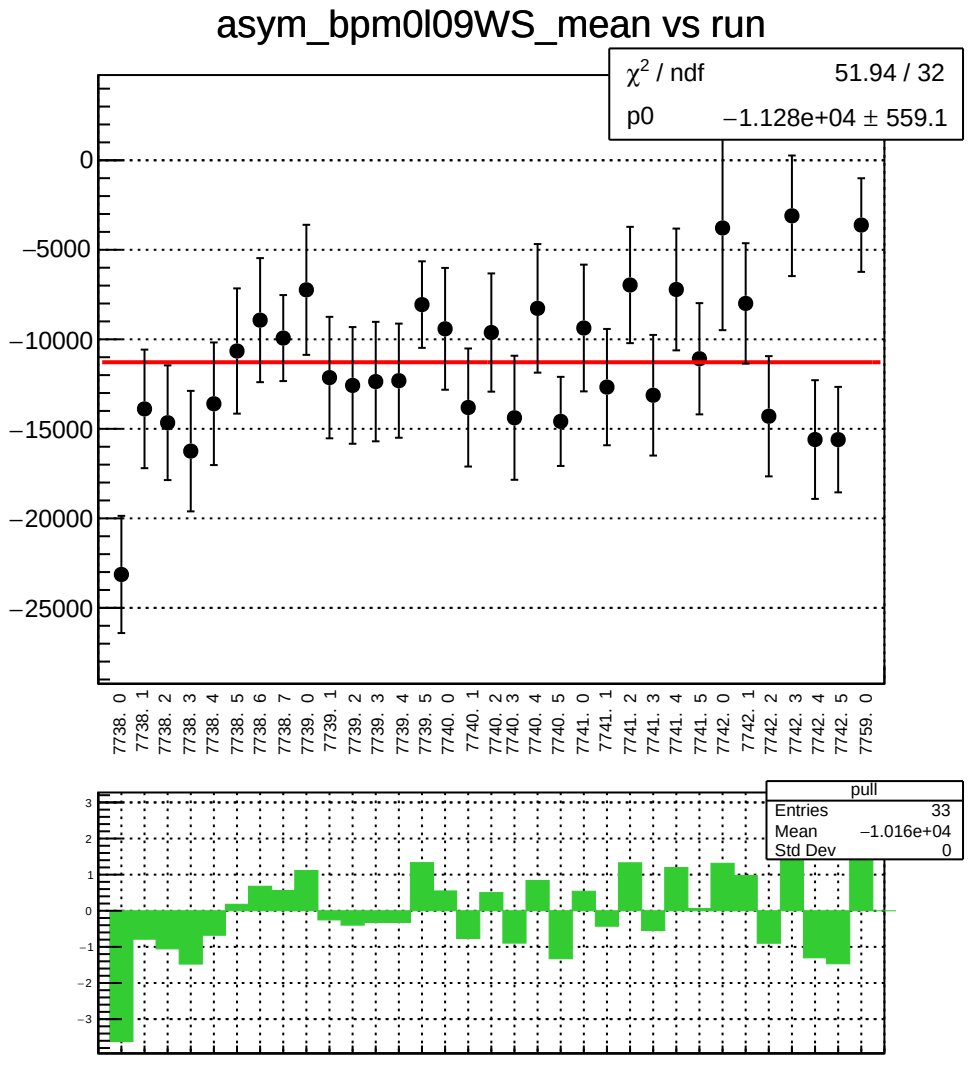

pull1D
Entries 33
Mean −0.007824
Std Dev 1.348

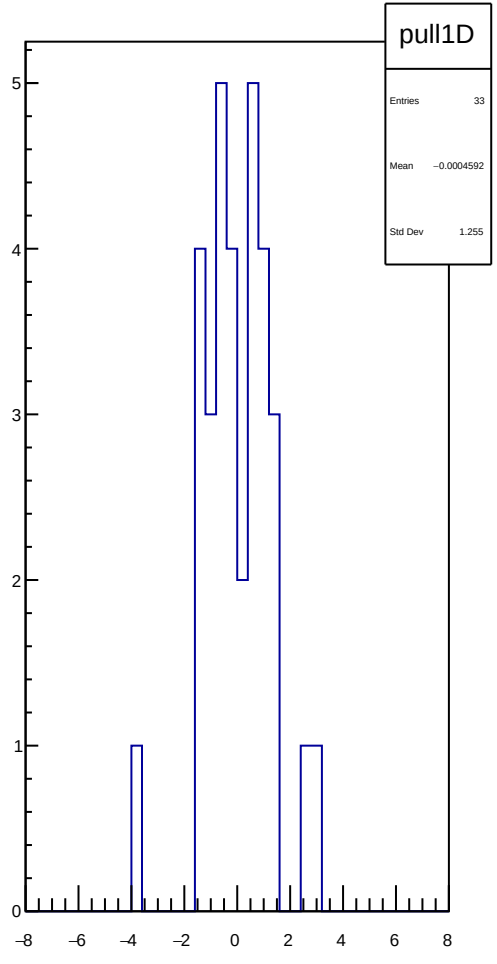

asym_bpm0l07WS_rms vs run
χ² / ndf 4183 / 32
p0 324.7 ± 0.4001
500
450
400
350
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

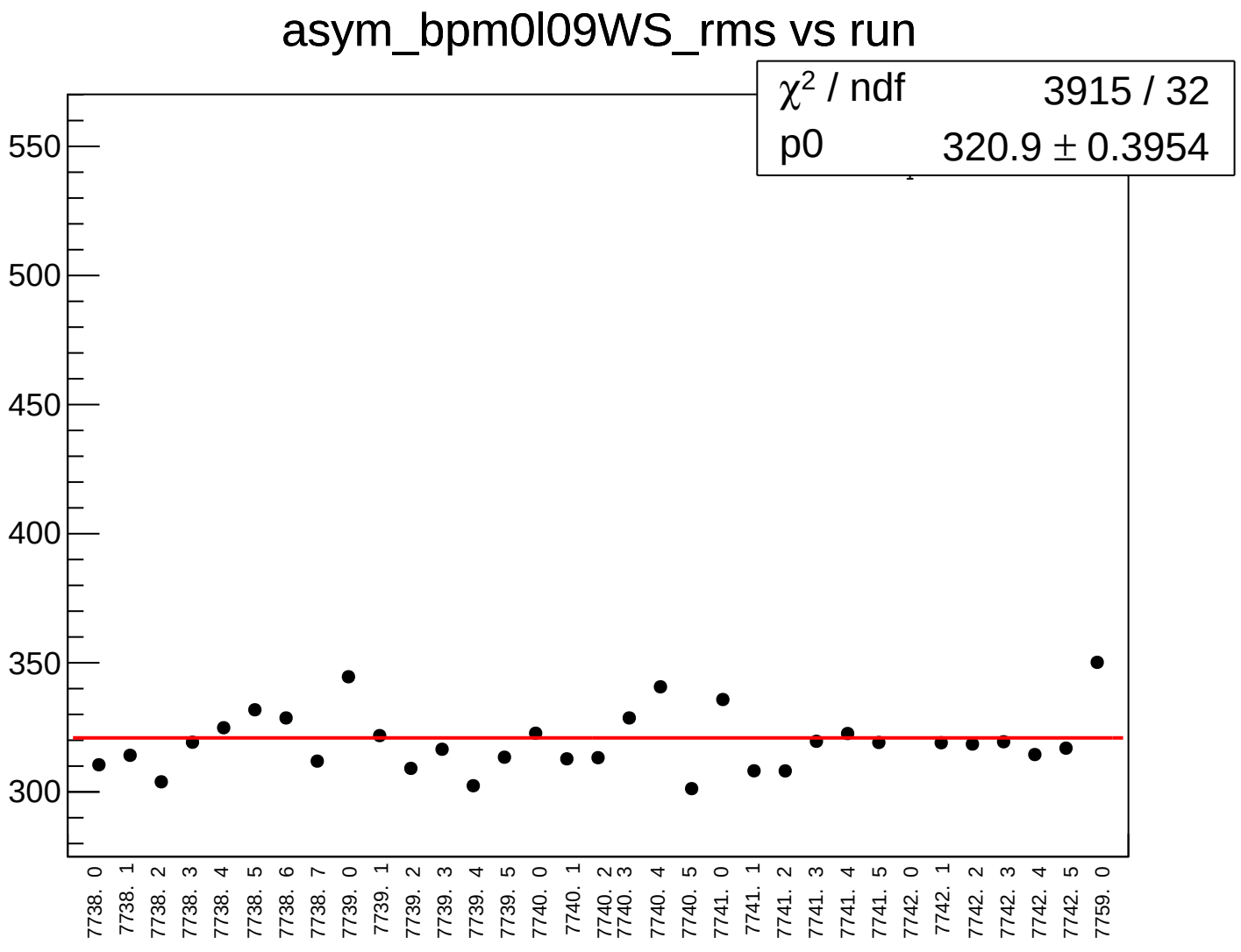

asym_bpm0l08WS_mean vs run
χ² / ndf 56.03 / 32
p0 −1.17e+04 ± 524.4
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1482
Std Dev 0
3
2
1
0
−1
−2
−3
−4

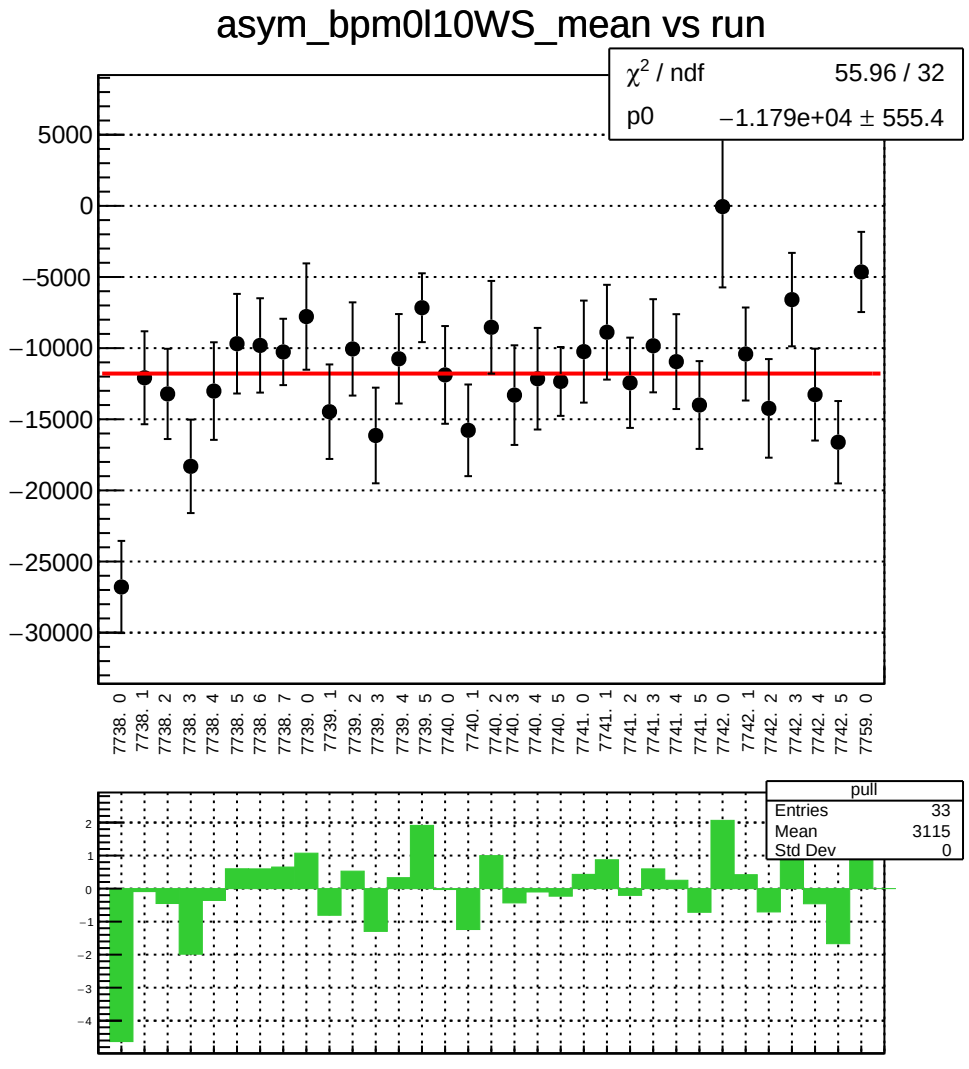

pull1D
Entries 33
Mean 0.003329
Std Dev 1.303
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

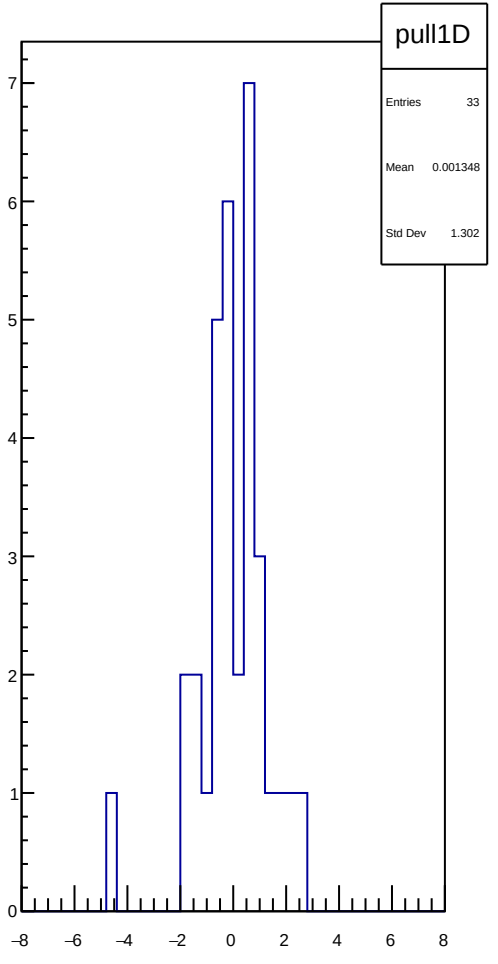

asym_bpm0l08WS_rms vs run
χ² / ndf 4300 / 32
p0 300.9 ± 0.3708
500
450
400
350
300
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

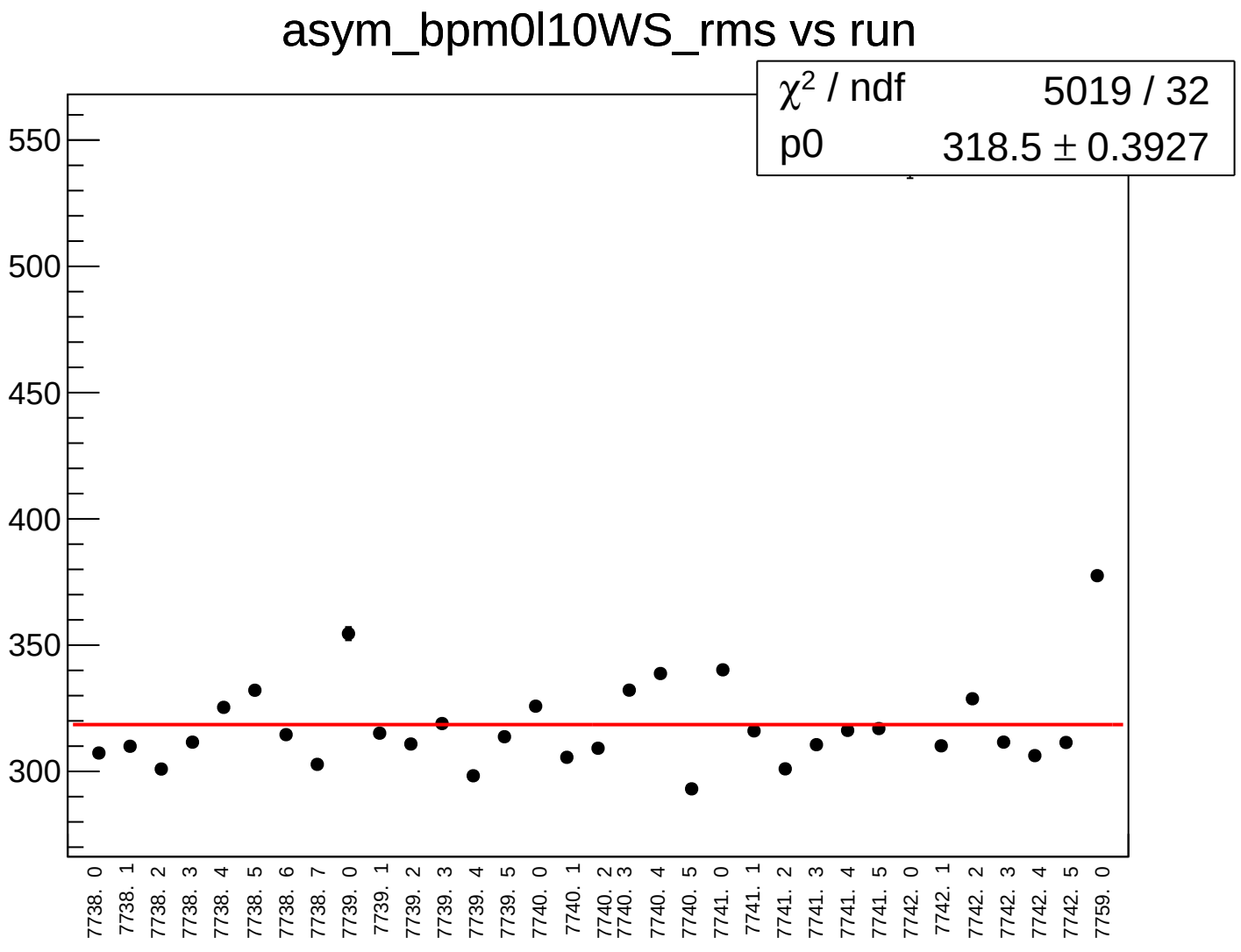

asym_bpm0l09WS_mean vs run
χ² / ndf 51.94 / 32
p0 −1.128e+04 ± 559.1
0
−5000
−10000
−15000
−20000
−25000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.016e+04
Std Dev 0
3
2
1
0
−1
−2
−3

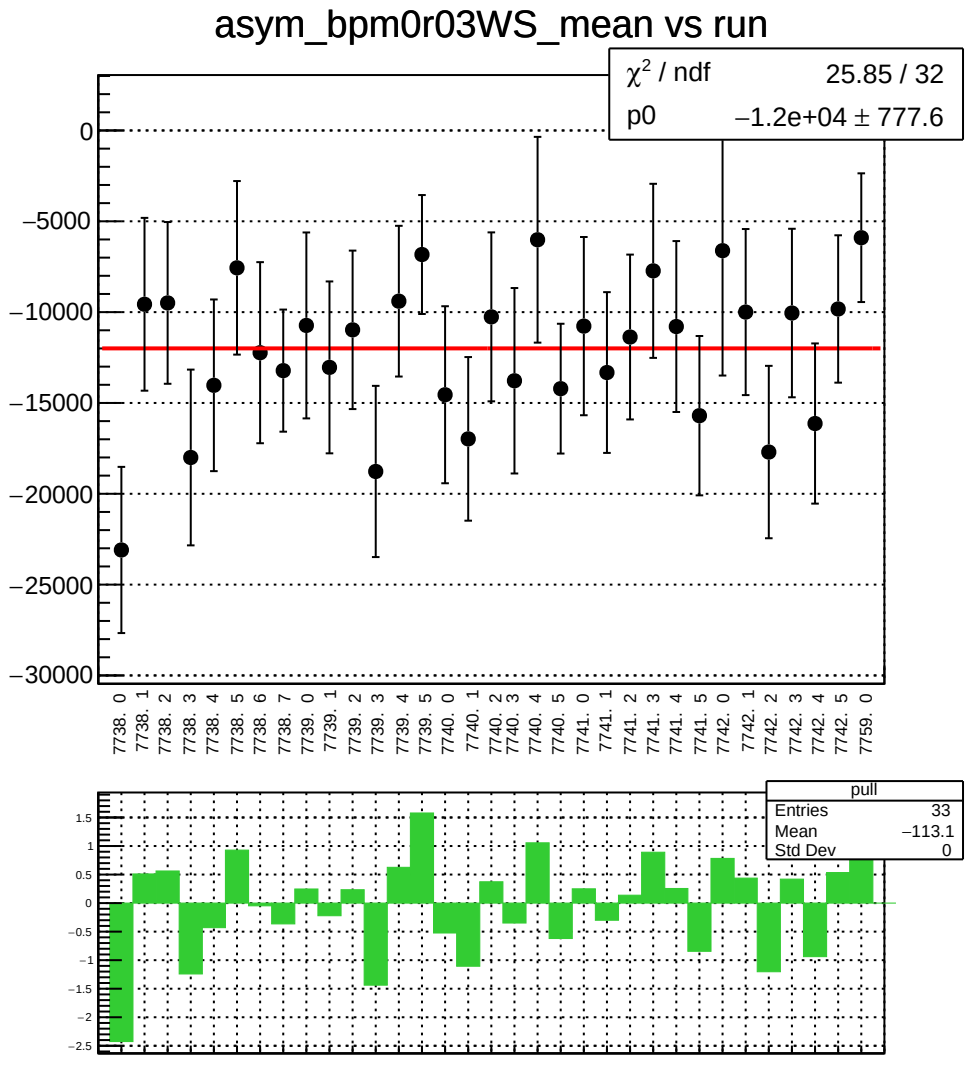

pull1D
Entries 33
Mean −0.0004592
Std Dev 1.255
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

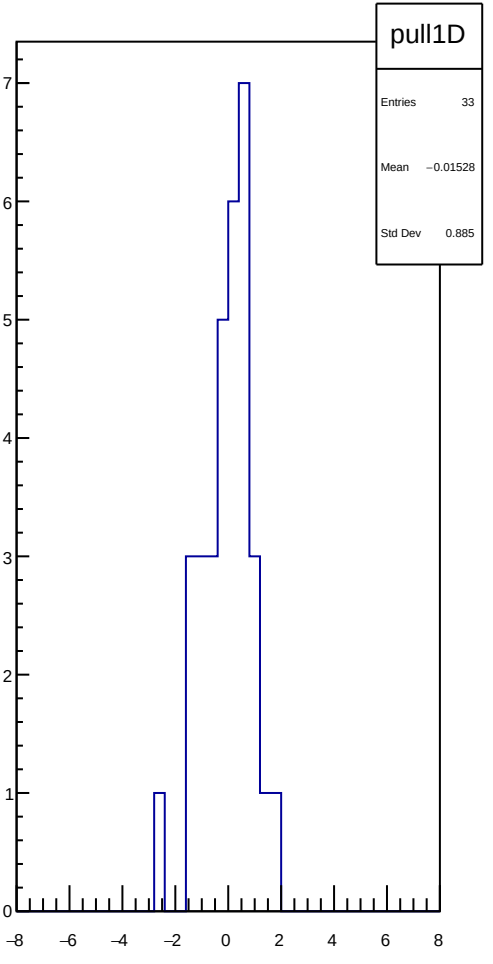

asym_bpm0l09WS_rms vs run
χ² / ndf 3915 / 32
p0 320.9 ± 0.3954
550
500
450
400
350
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

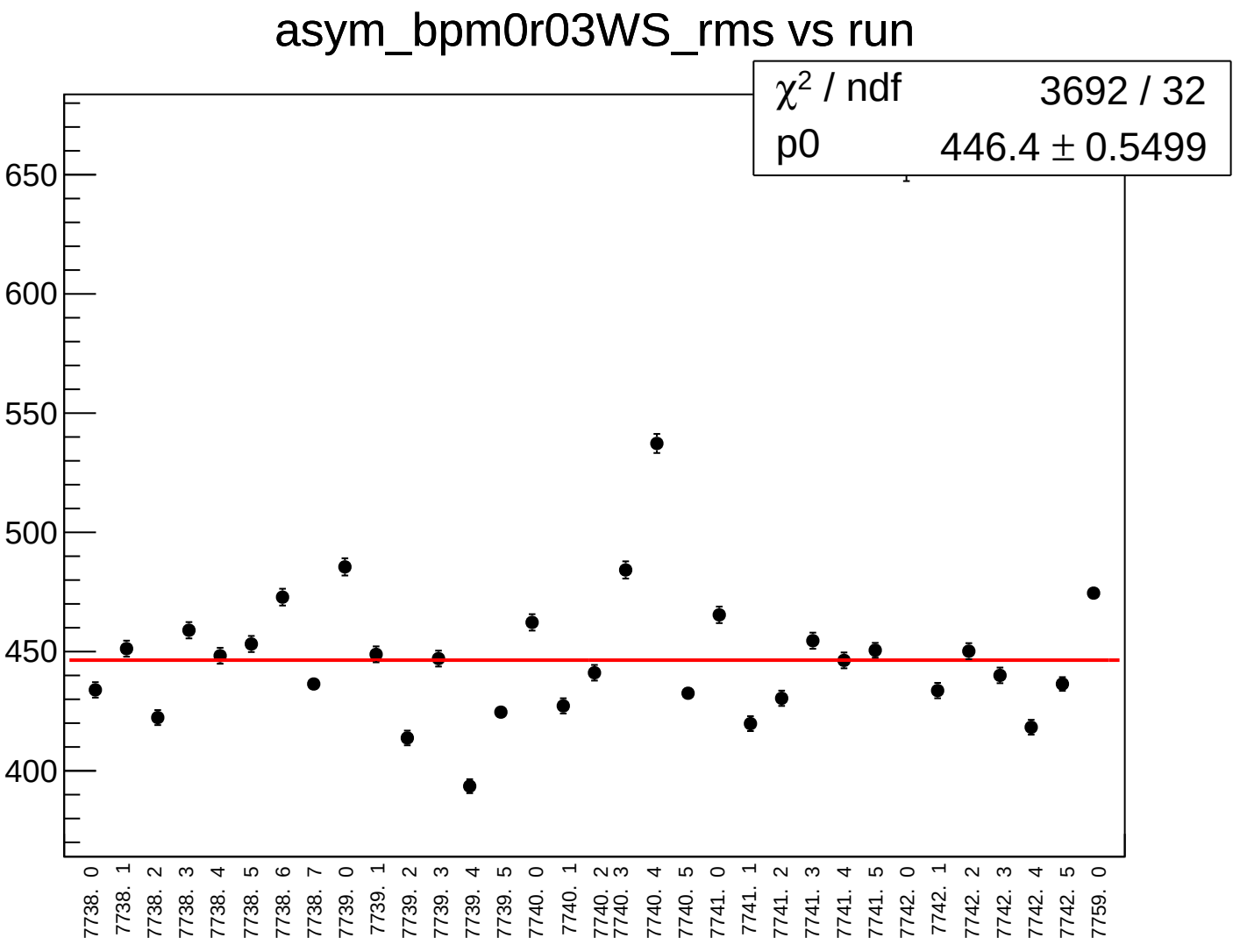

asym_bpm0l10WS_mean vs run
χ² / ndf 55.96 / 32
p0 −1.179e+04 ± 555.4
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3115
Std Dev 0
2
1
0
−1
−2
−3
−4

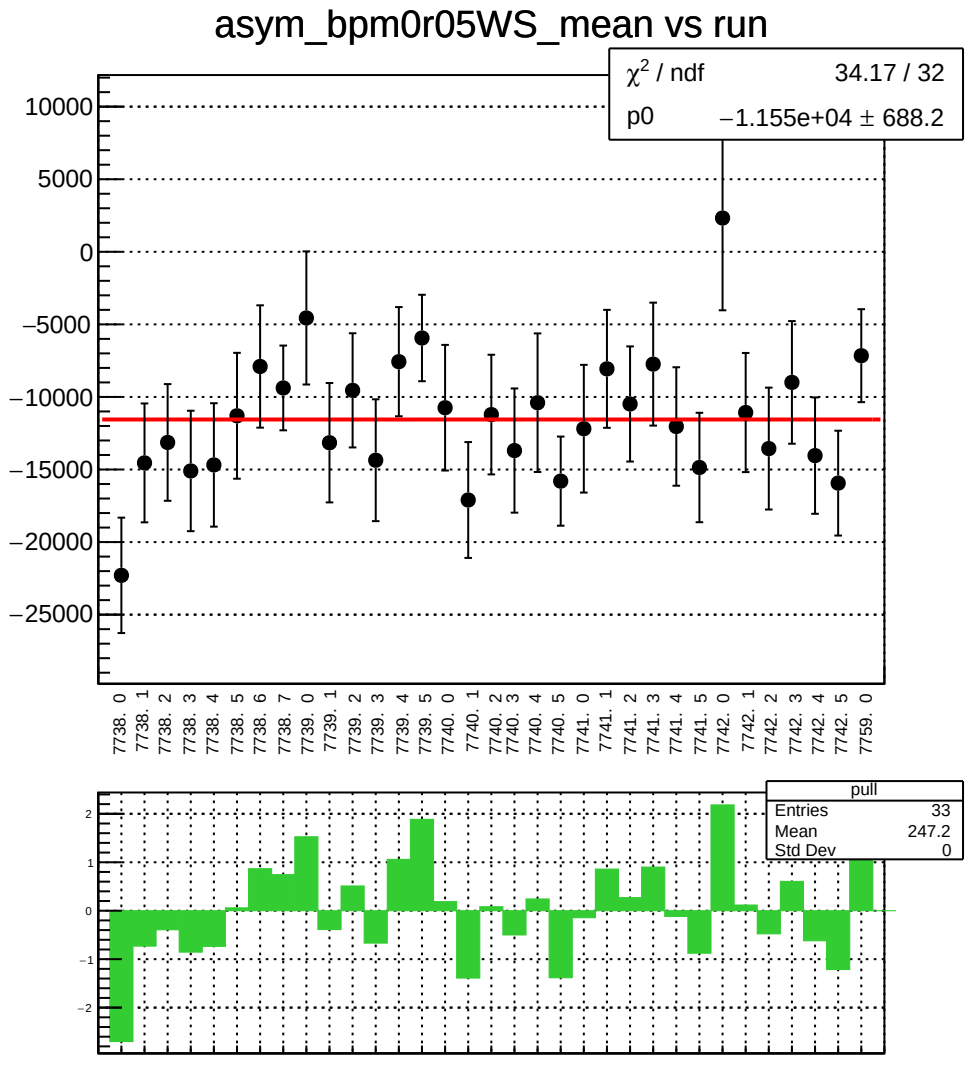

pull1D
Entries 33
Mean 0.001348
Std Dev 1.302
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

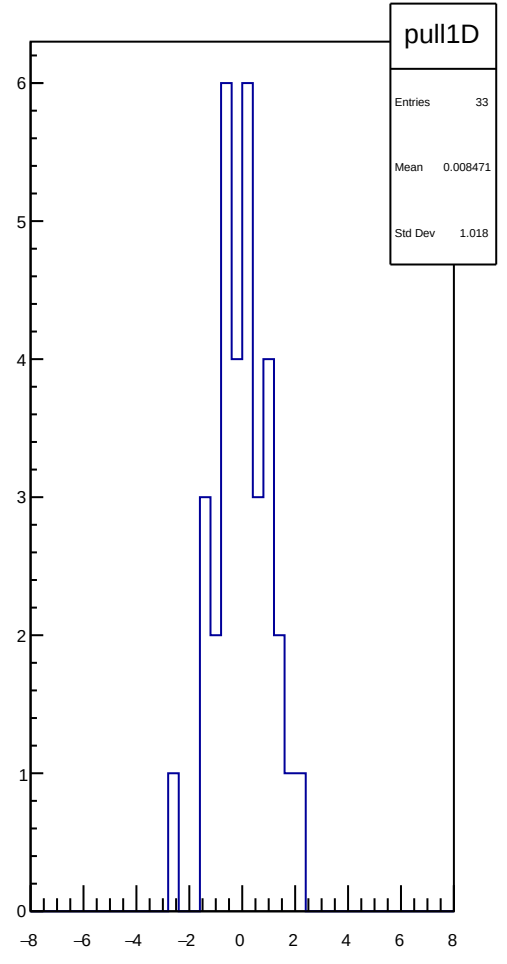

asym_bpm0l10WS_rms vs run
χ^2 / ndf 5019 / 32
p0 318.5 ± 0.3927
550
500
450
400
350
300
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

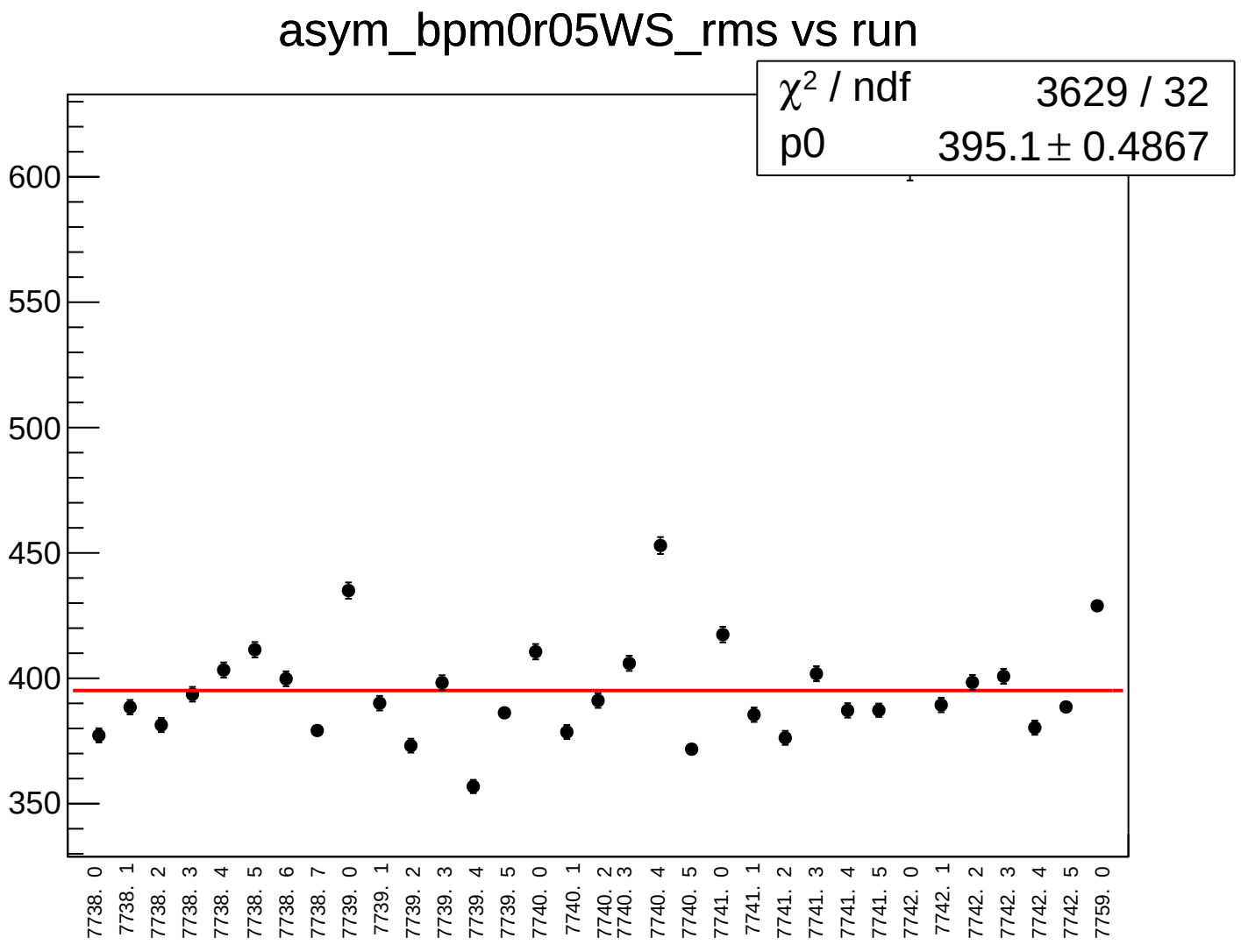

asym_bpm0r03WS_mean vs run
χ² / ndf 25.85 / 32
p0 −1.2e+04 ± 777.6
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

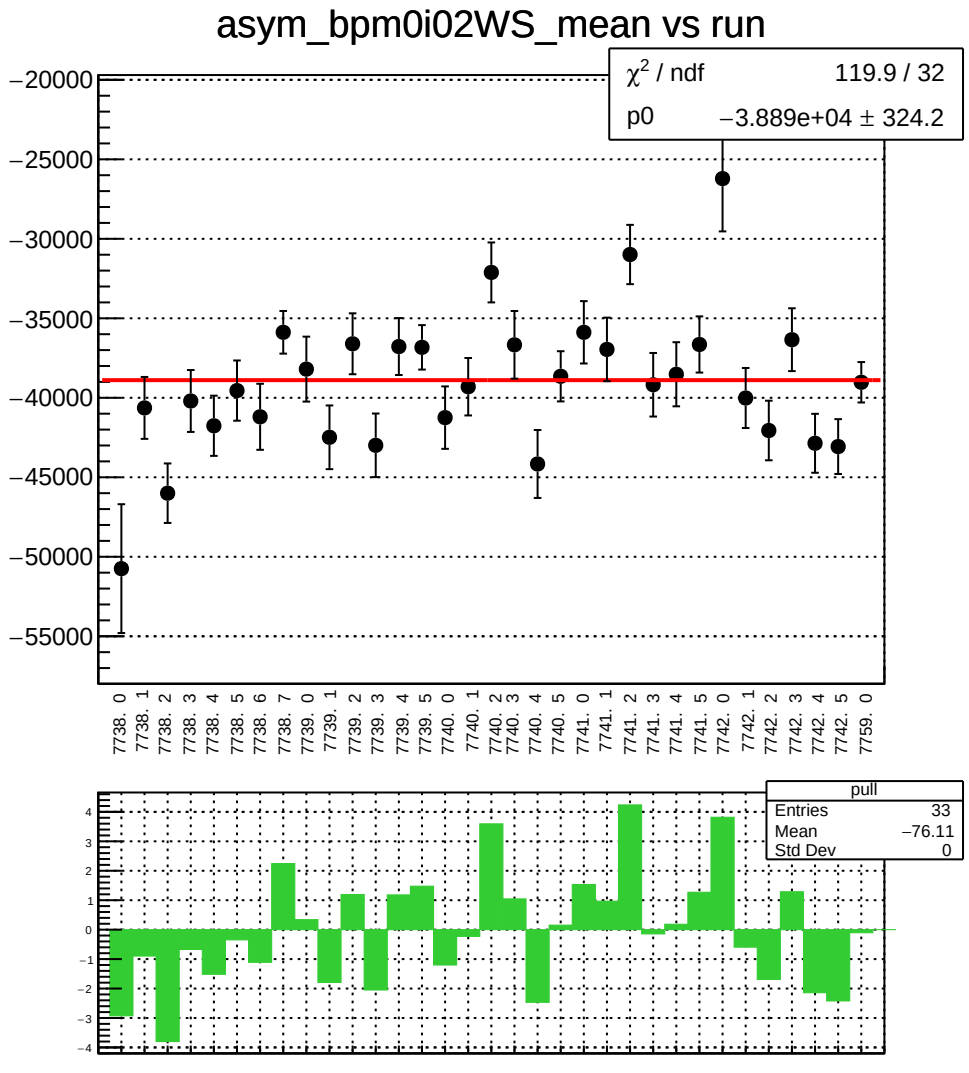

pull1D
Entries 33
Mean −0.01528
Std Dev 0.885
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

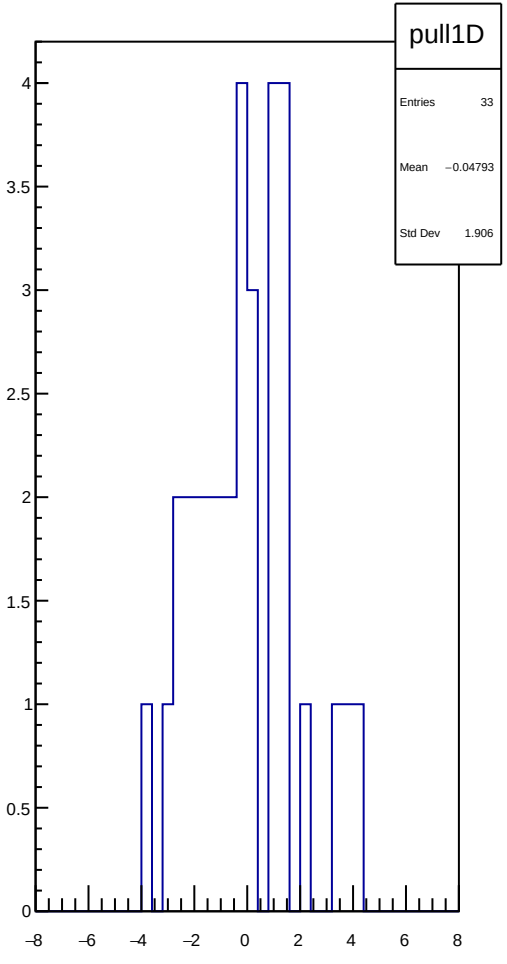

asym_bpm0r03WS_rms vs run
χ² / ndf 3692 / 32
p0 446.4 ± 0.5499
650
600
550
500
450
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

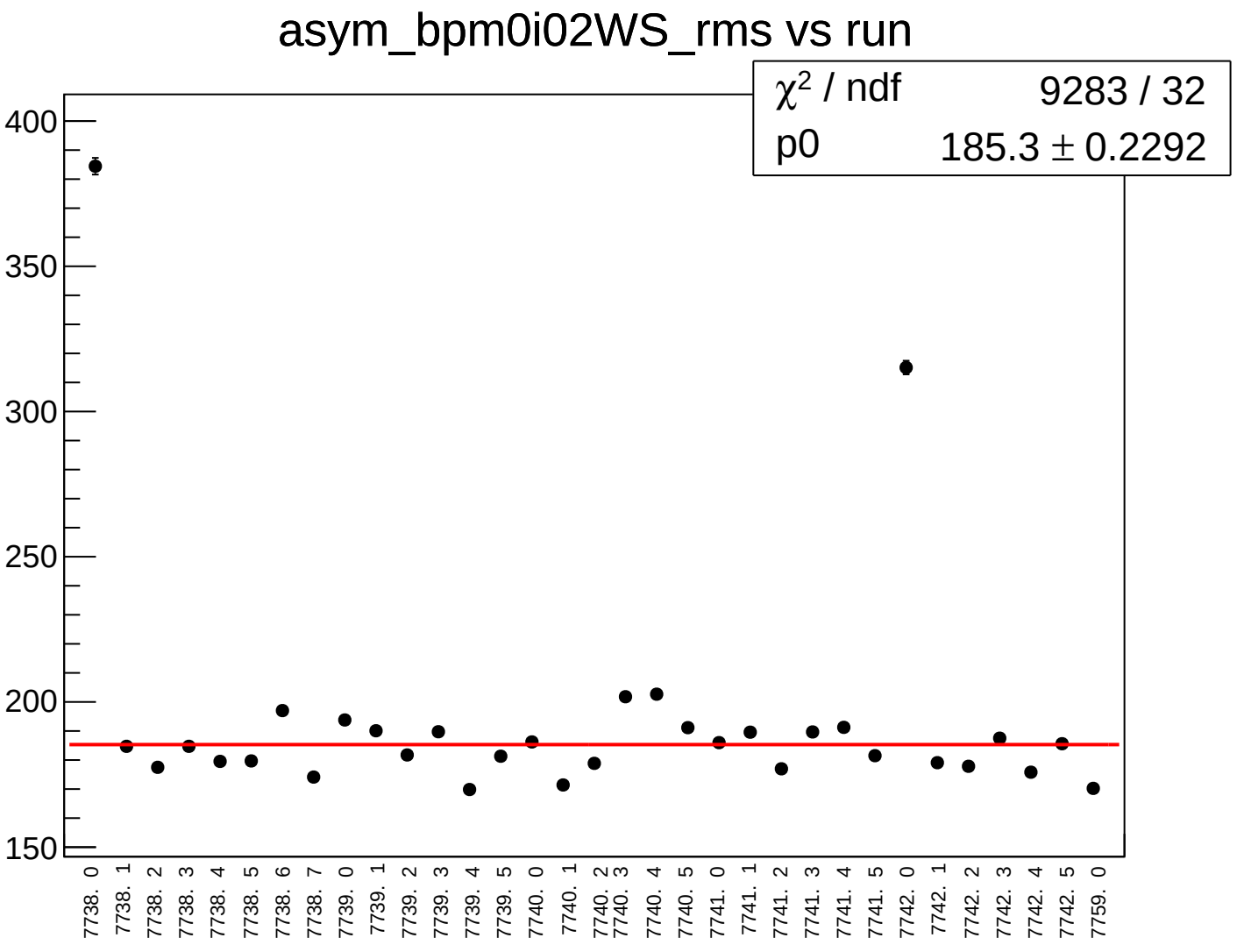

asym_bpm0r05WS_mean vs run
χ² / ndf 34.17 / 32
p0 −1.155e+04 ± 688.2
10000
5000
0
−5000
−10000
−15000
−20000
−25000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 247.2
Std Dev 0
2
1
0
−1
−2

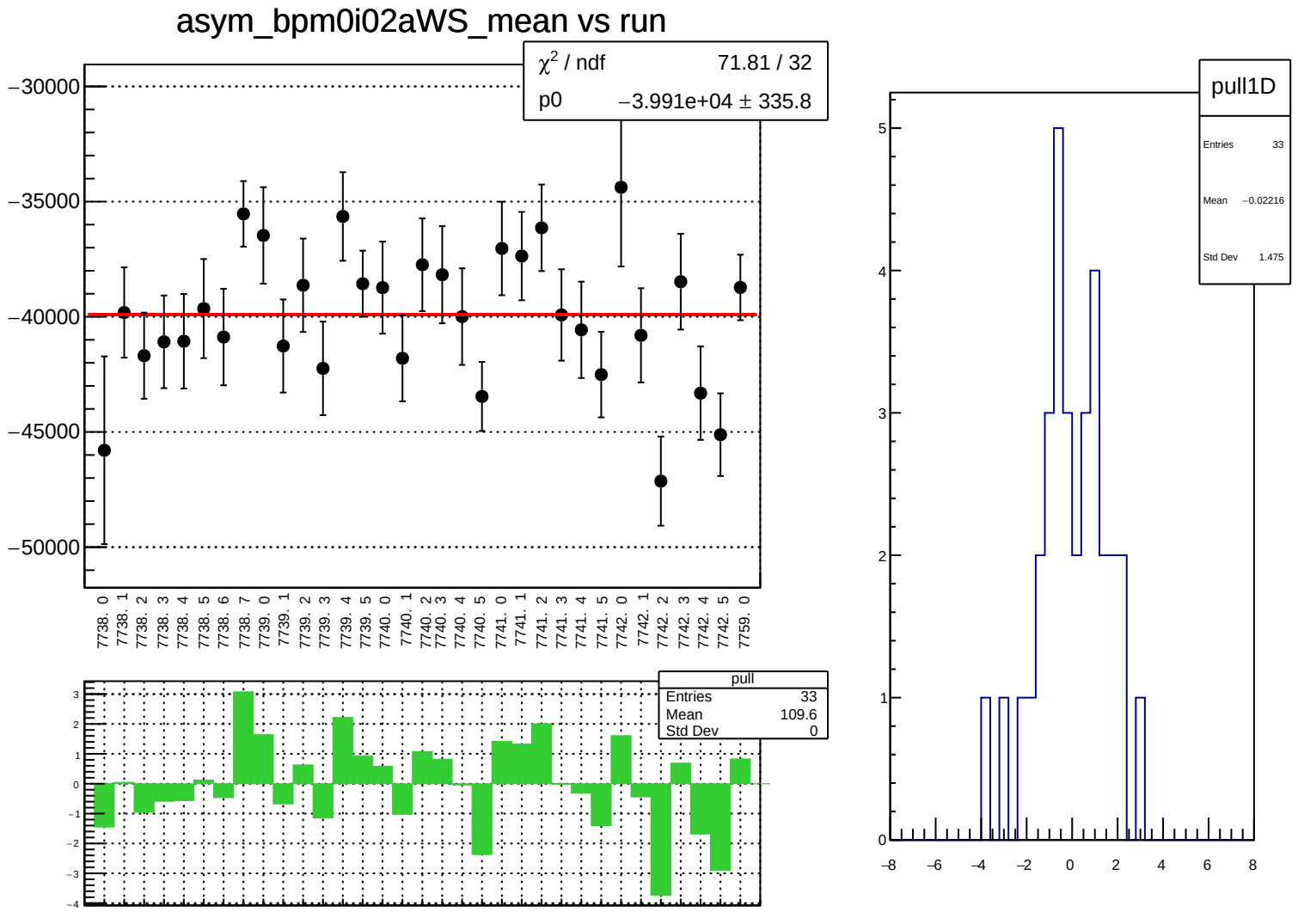

pull1D
Entries 33
Mean 0.008471
Std Dev 1.018
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

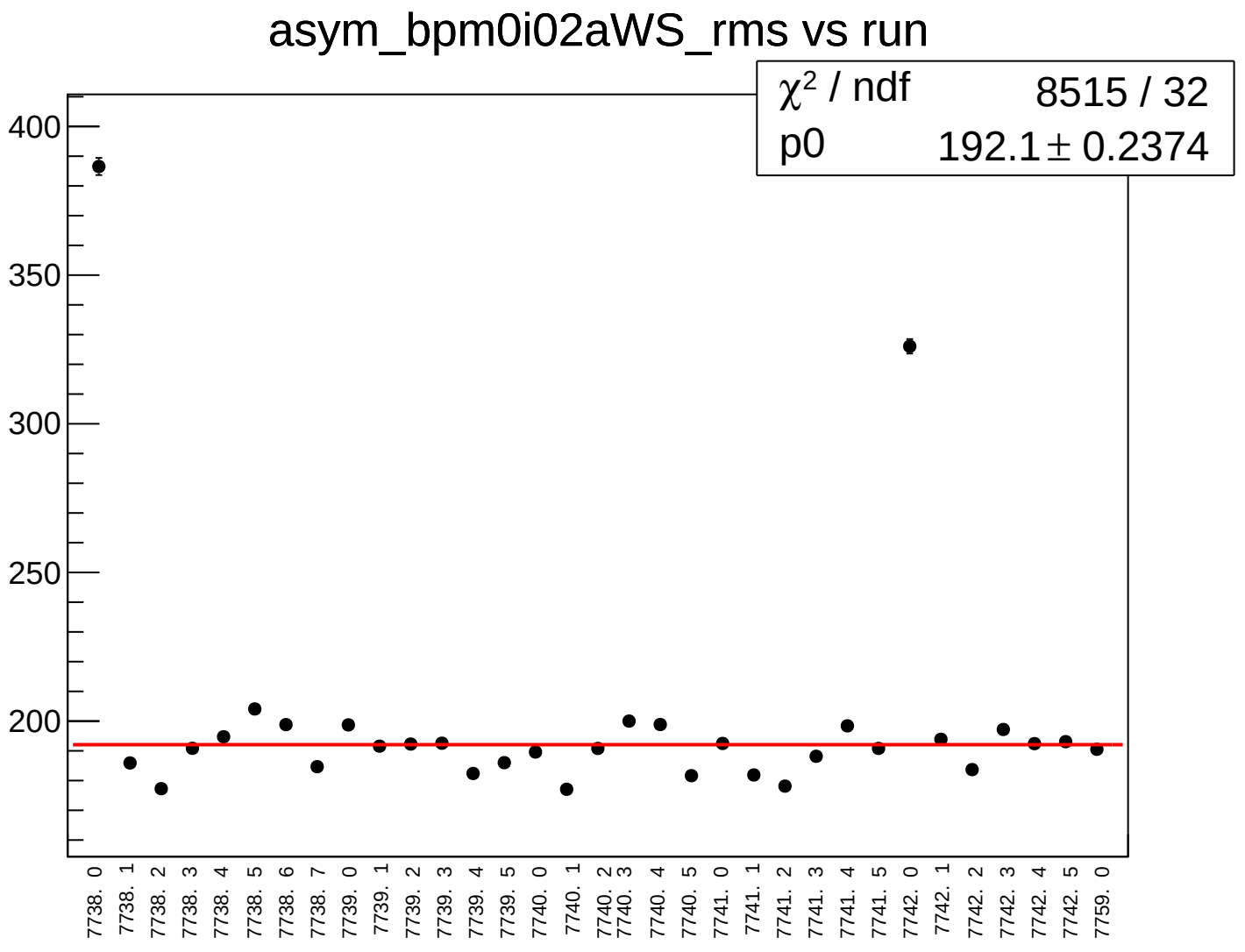

asym_bpm0r05WS_rms vs run
χ^2 / ndf 3629 / 32
p0 395.1 ± 0.4867
600
550
500
450
400
350
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

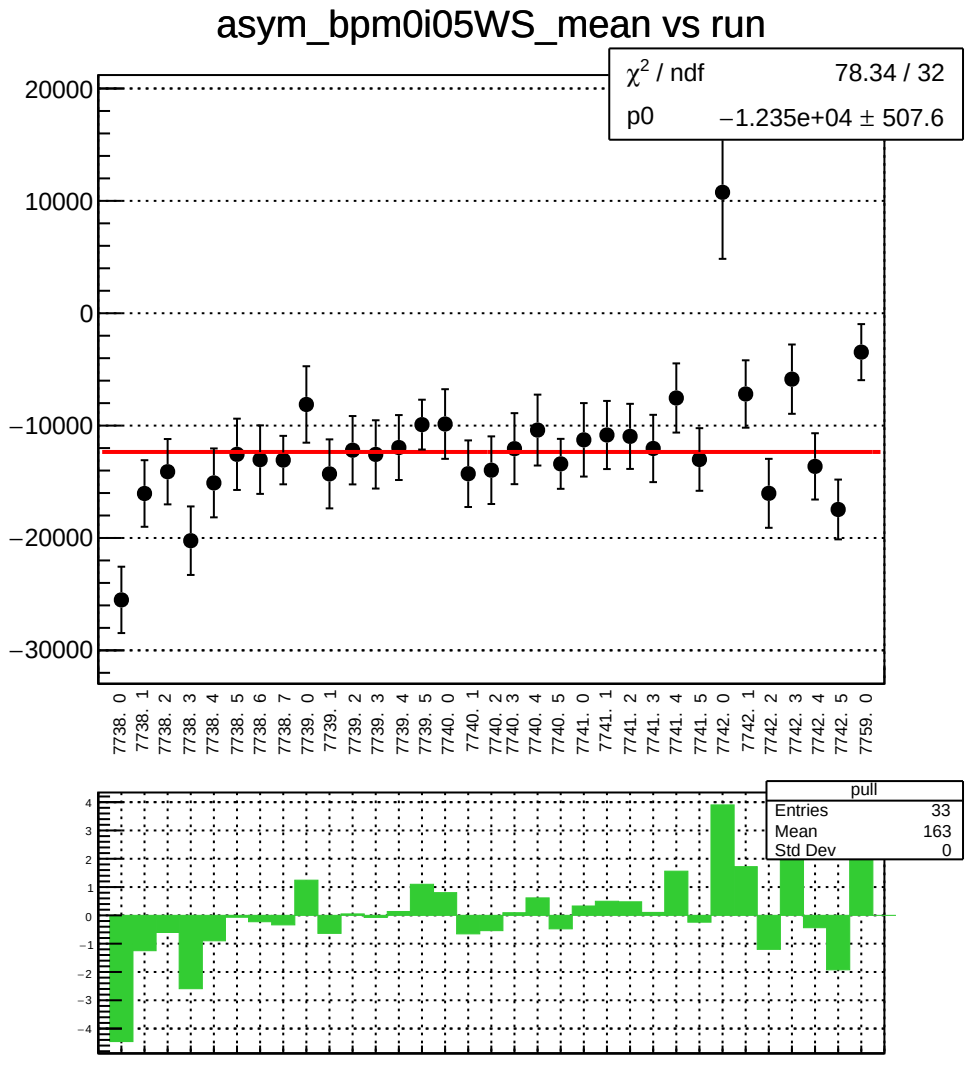

asym_bpm0i02WS_mean vs run
χ² / ndf 119.9 / 32
p0 −3.889e+04 ± 324.2
−20000
−25000
−30000
−35000
−40000
−45000
−50000
−55000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −76.11
Std Dev 0
4
3
2
1
0
−1
−2
−3
−4

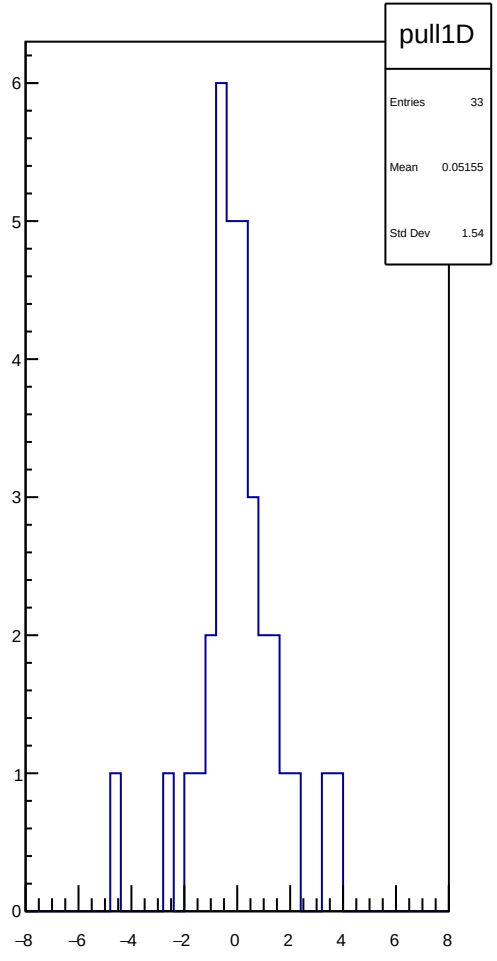

pull1D
Entries 33
Mean −0.04793
Std Dev 1.906
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

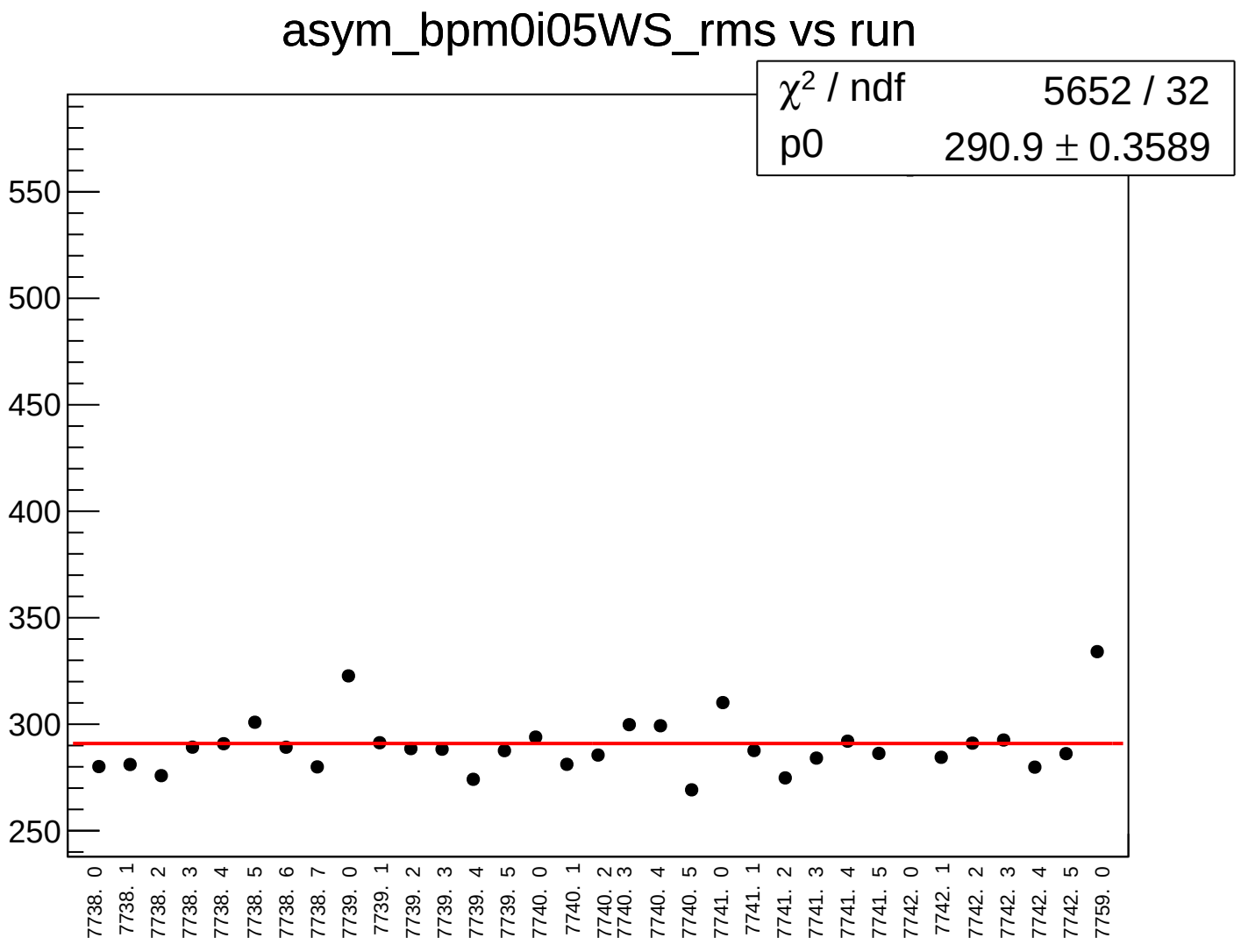

asym_bpm0i02WS_rms vs run
χ² / ndf 9283 / 32
p0 185.3 ± 0.2292
400
350
300
250
200
150
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

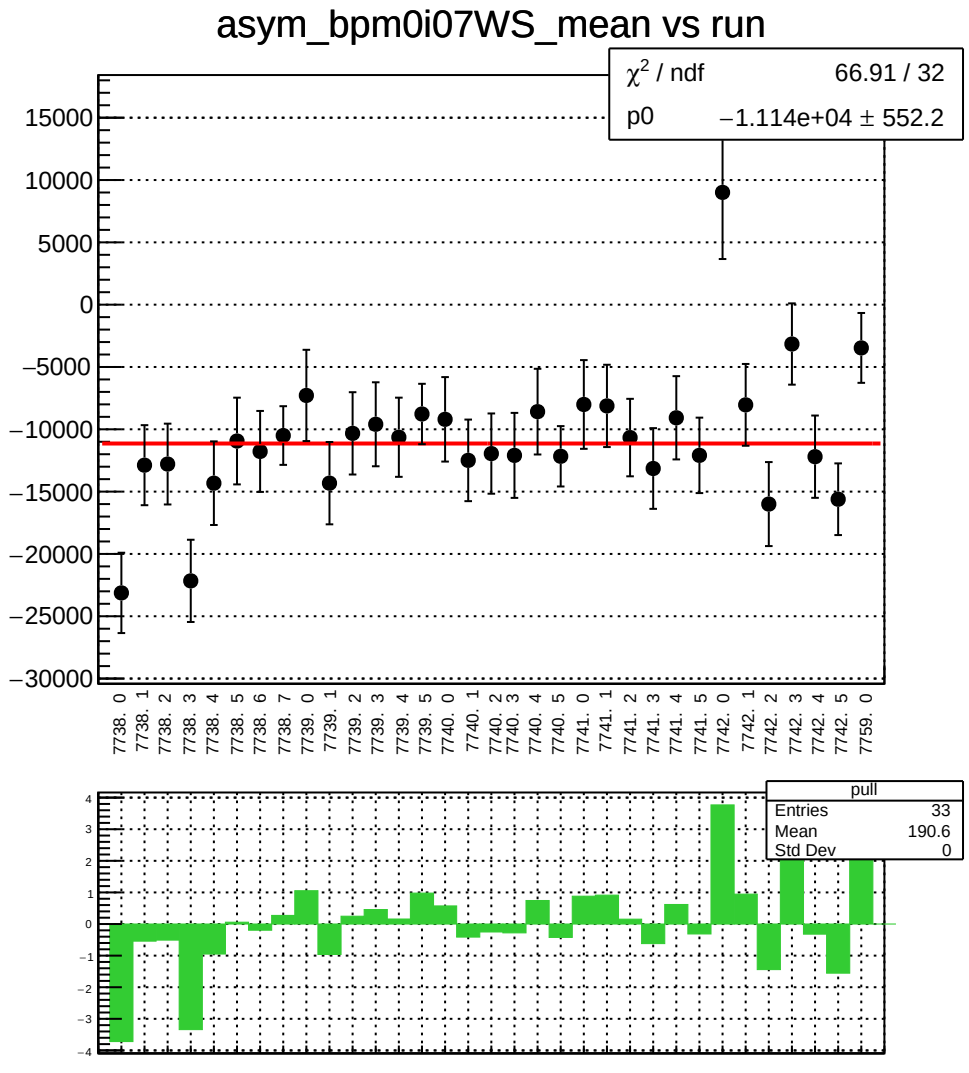

asym_bpm0i02aWS_mean vs run
χ² / ndf 71.81 / 32
p0 −3.991e+04 ± 335.8
−30000
−35000
−40000
−45000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 109.6
Std Dev 0
pull1D
Entries 33
Mean −0.02216
Std Dev 1.475

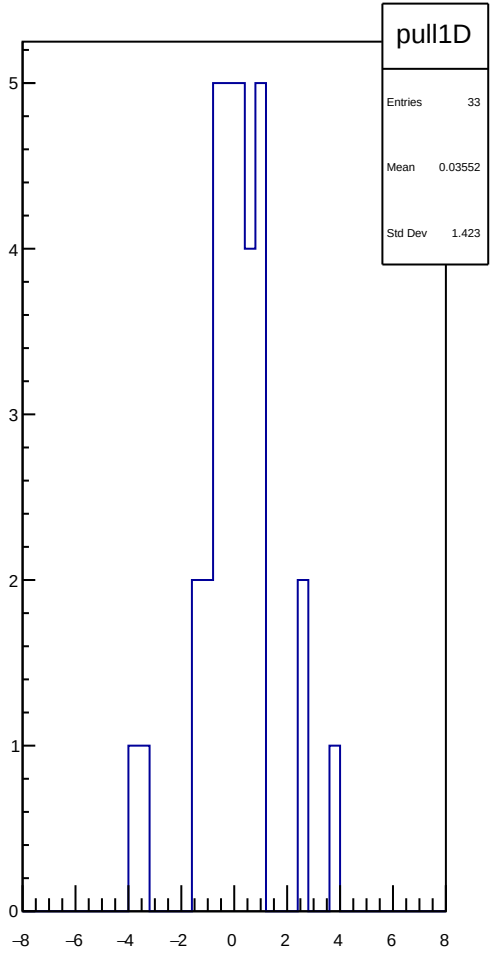

asym_bpm0i02aWS_rms vs run
χ² / ndf 8515 / 32
p0 192.1 ± 0.2374
400
350
300
250
200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

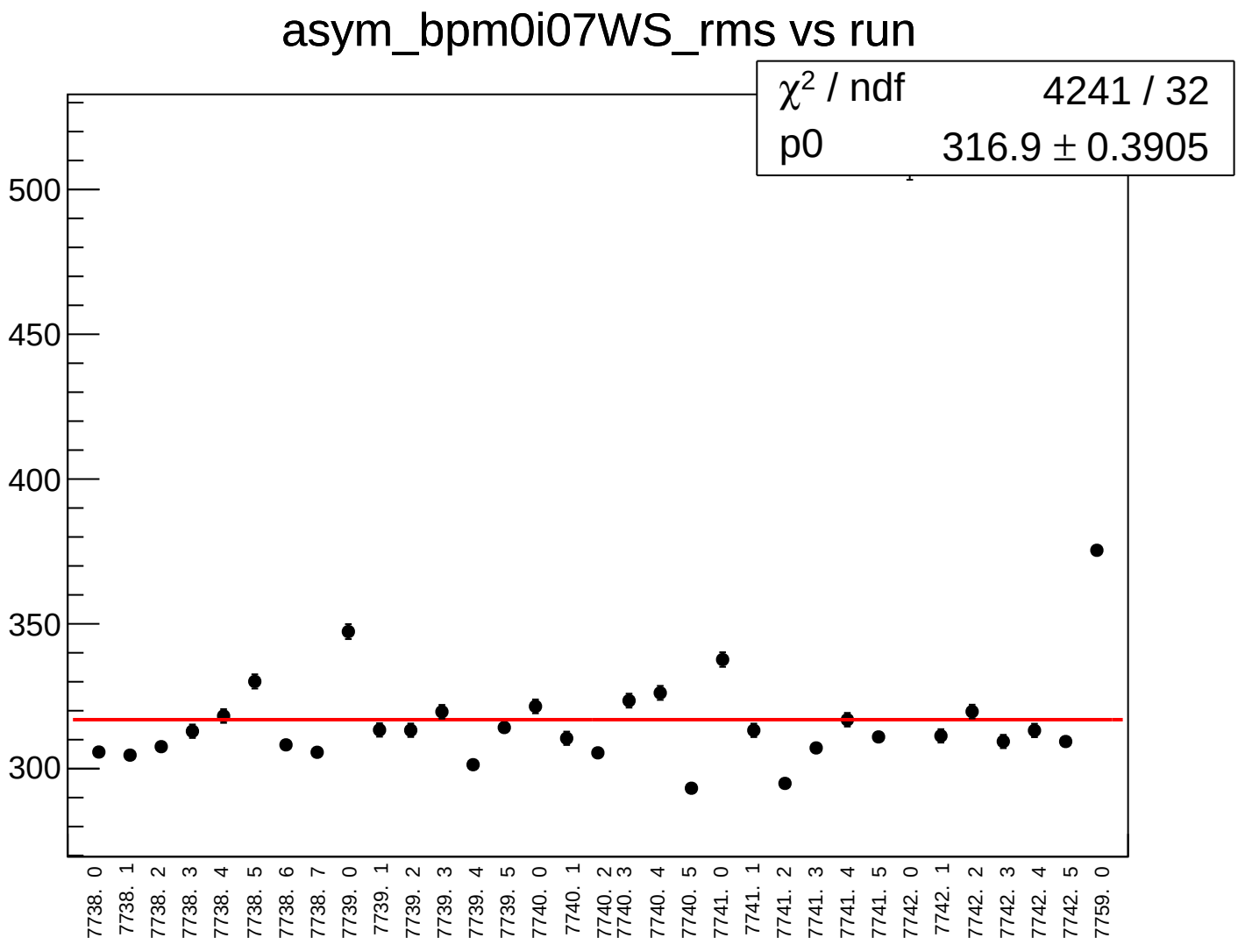

asym_bpm0i05WS_mean vs run
χ² / ndf 78.34 / 32
p0 −1.235e+04 ± 507.6
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 163
Std Dev 0
4
3
2
1
0
−1
−2
−3
−4

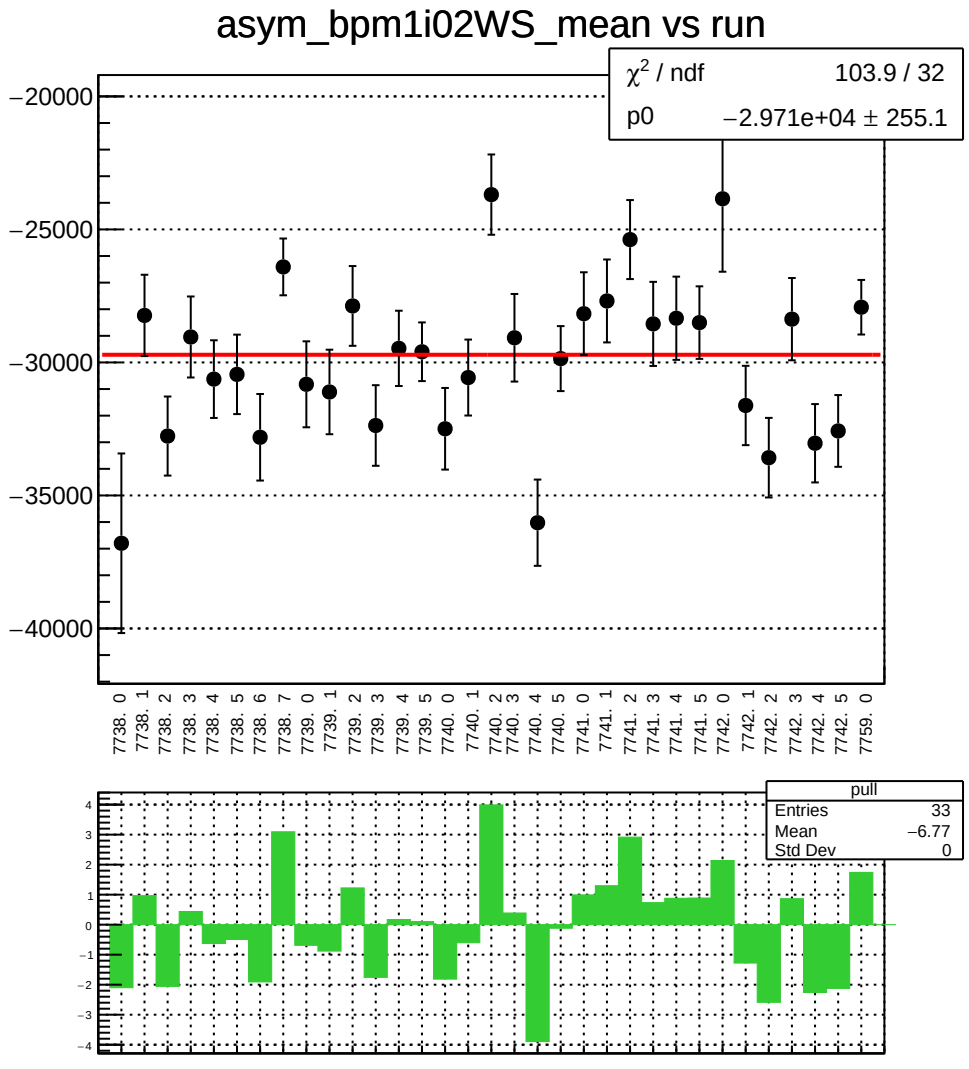

pull1D
Entries 33
Mean 0.05155
Std Dev 1.54
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

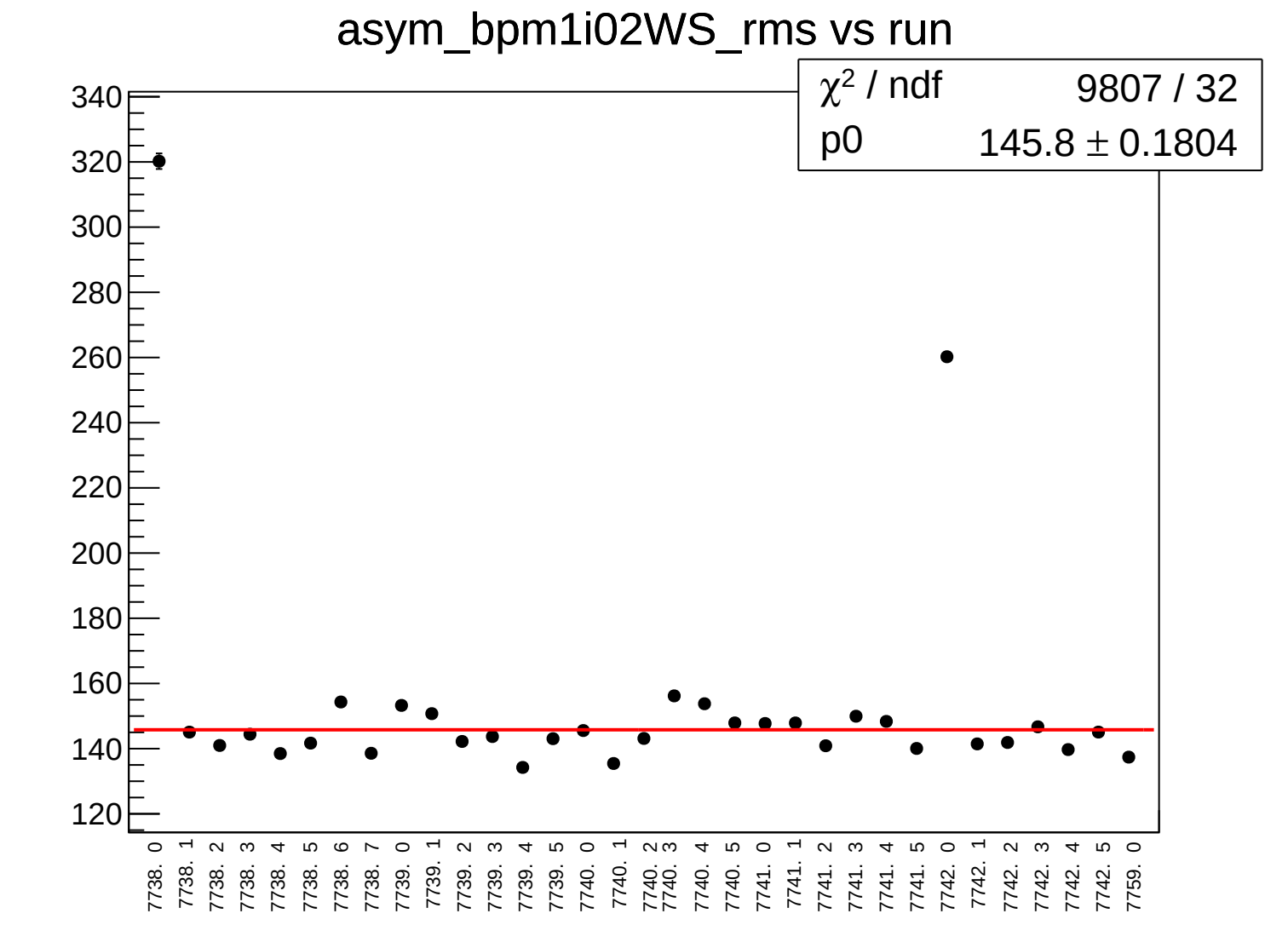

asym_bpm0i05WS_rms vs run
χ² / ndf 5652 / 32
p0 290.9 ± 0.3589
550
500
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

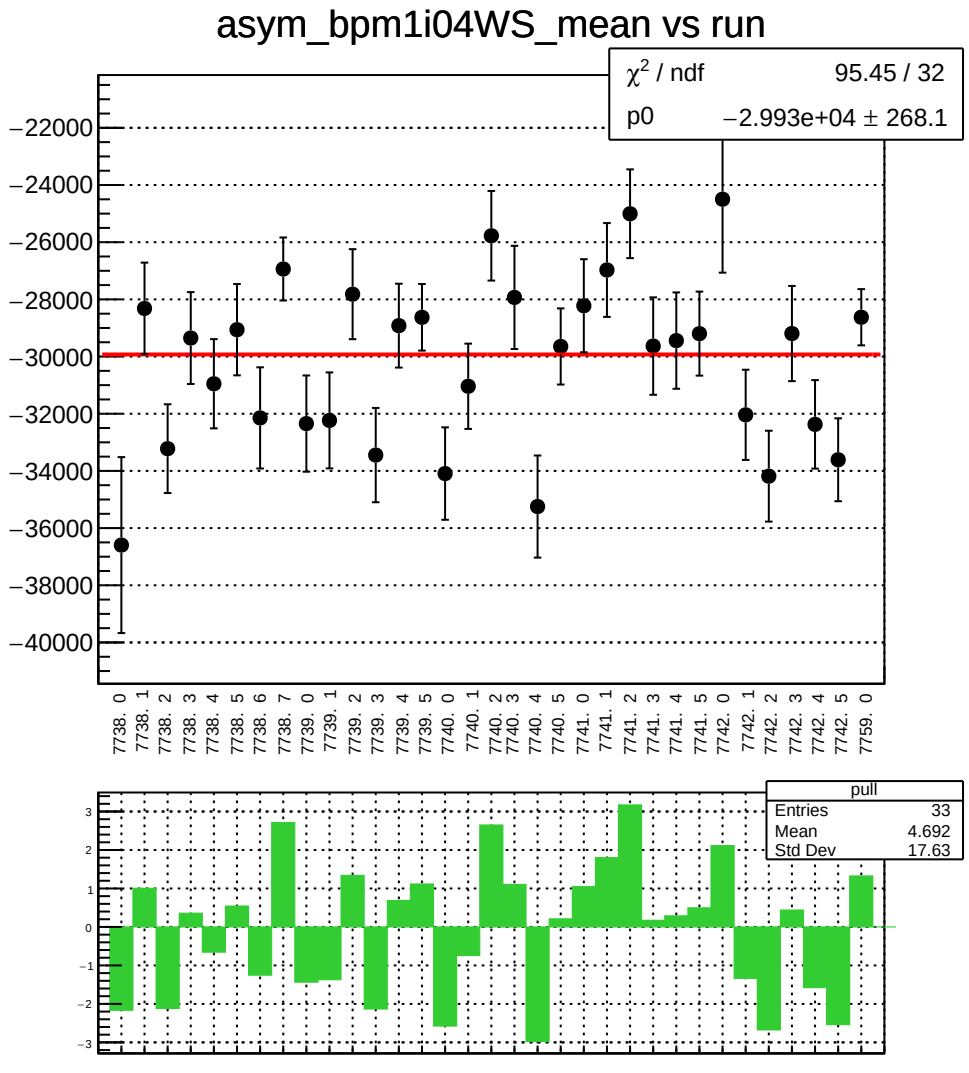

asym_bpm0i07WS_mean vs run
χ² / ndf 66.91 / 32
p0 −1.114e+04 ± 552.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 190.6
Std Dev 0

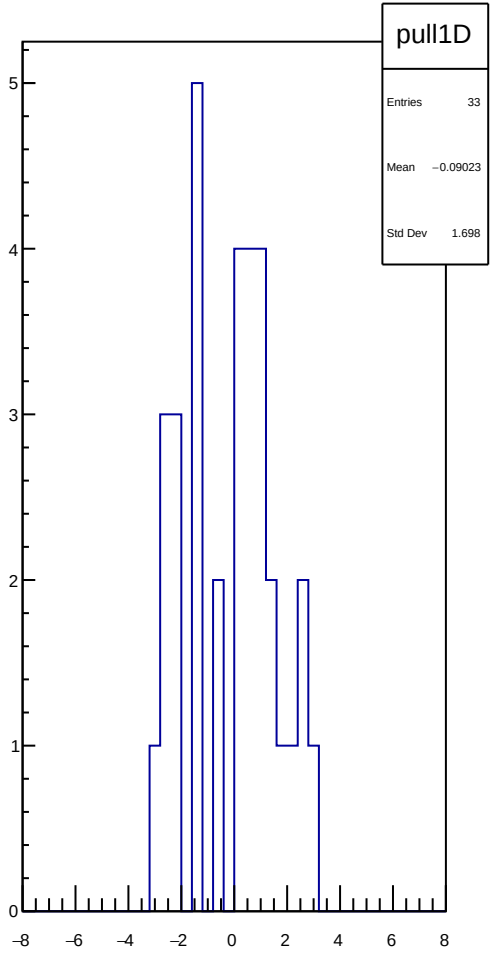

pull1D
Entries 33
Mean 0.03552
Std Dev 1.423

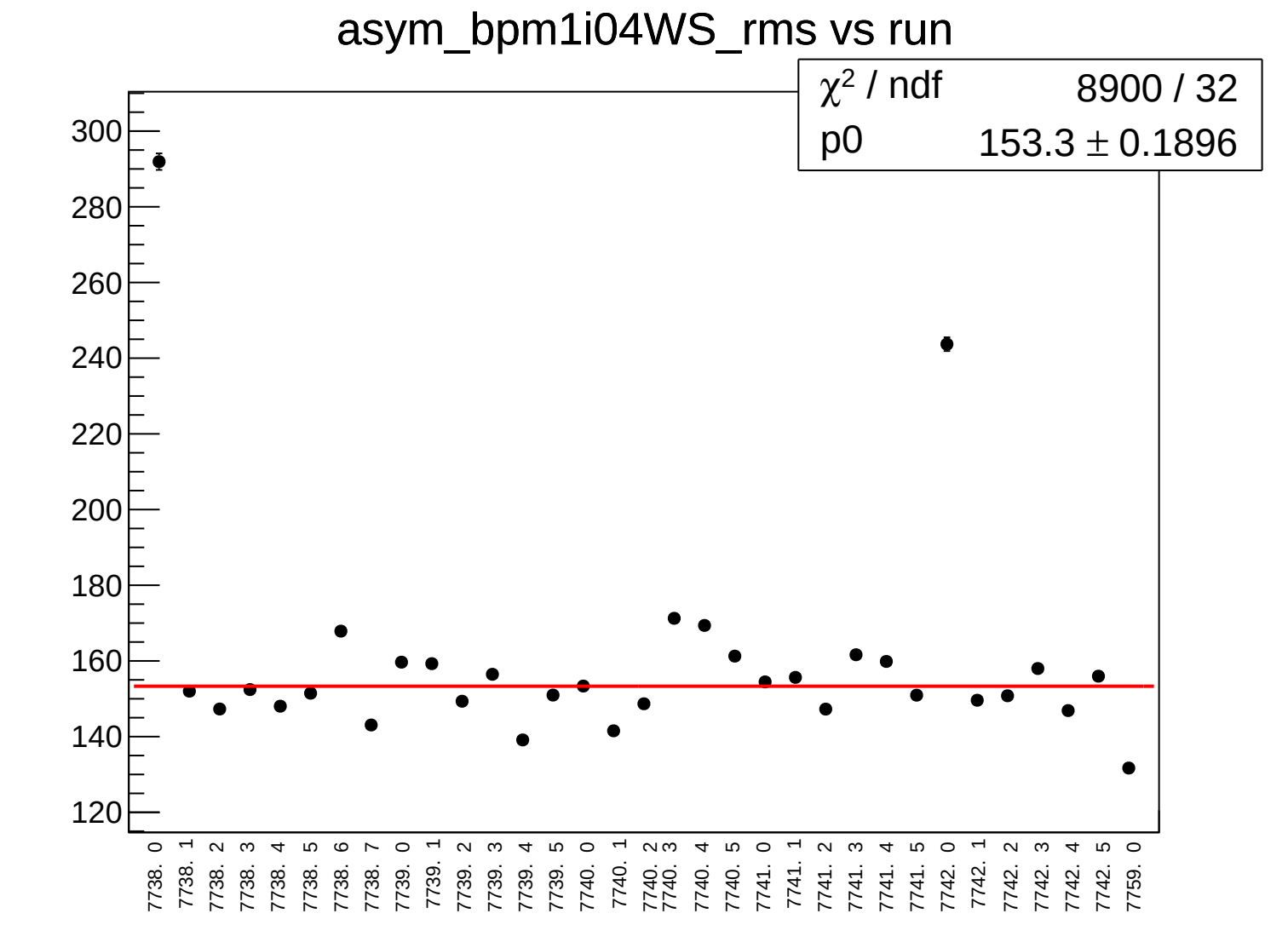

asym_bpm0i07WS_rms vs run
χ² / ndf 4241 / 32
p0 316.9 ± 0.3905
500
450
400
350
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

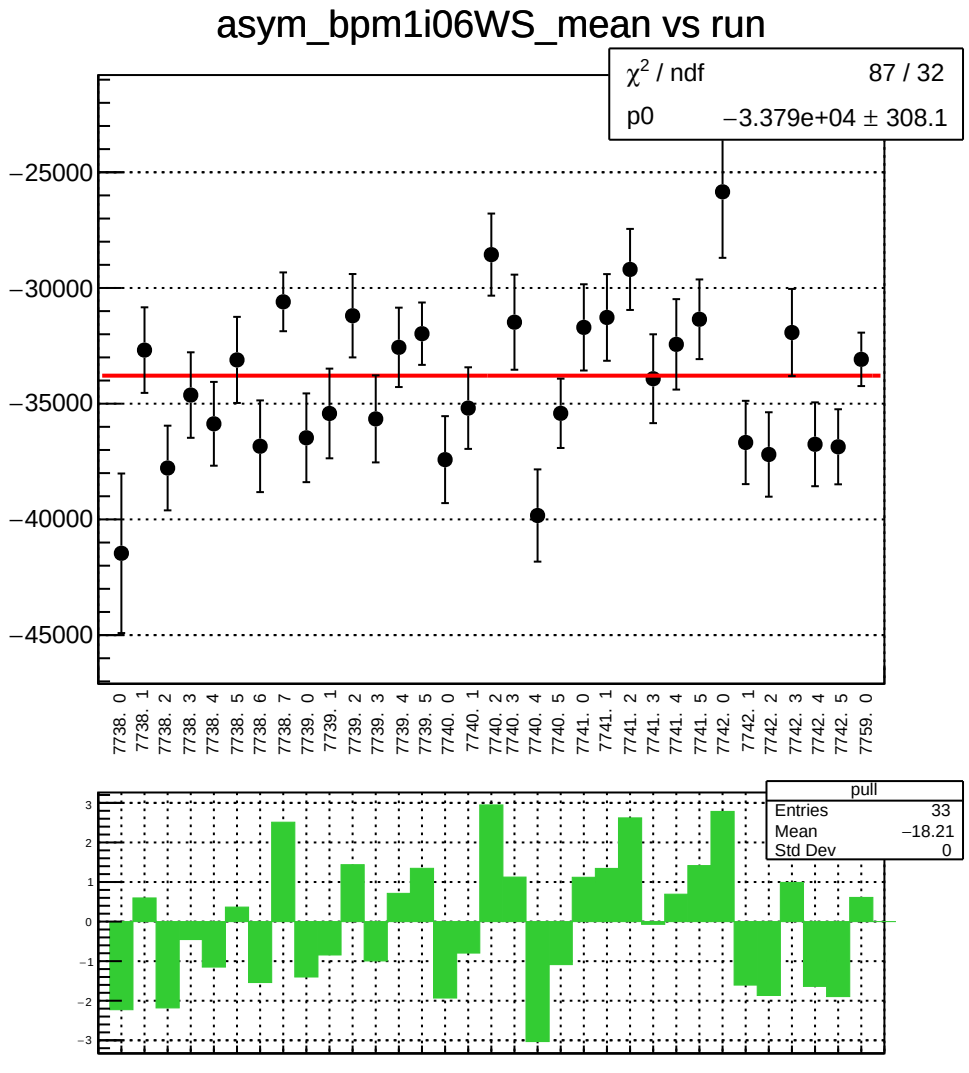

asym_bpm1i02WS_mean vs run
χ² / ndf 103.9 / 32
p0 −2.971e+04 ± 255.1
−20000
−25000
−30000
−35000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.77
Std Dev 0
pull1D
Entries 33
Mean −0.07152
Std Dev 1.773

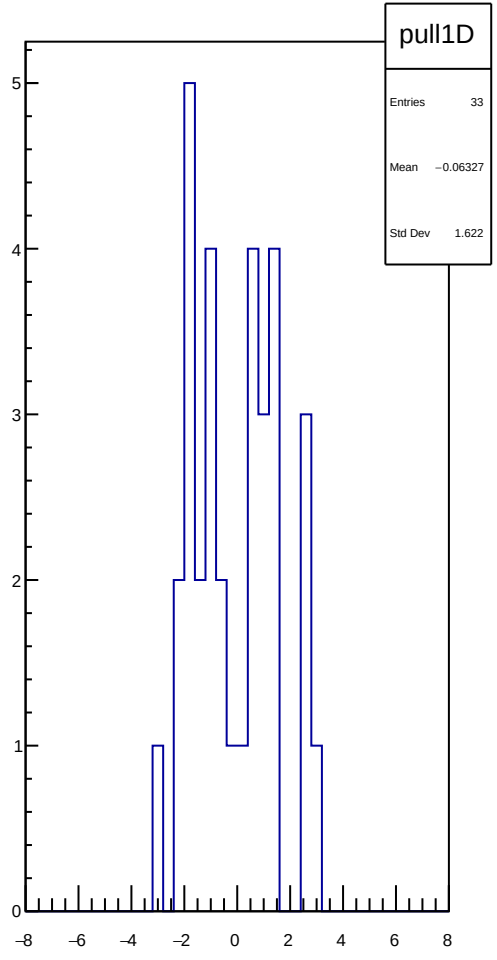

asym_bpm1i02WS_rms vs run
χ² / ndf 9807 / 32
p0 145.8 ± 0.1804
340
320
300
280
260
240
220
200
180
160
140
120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

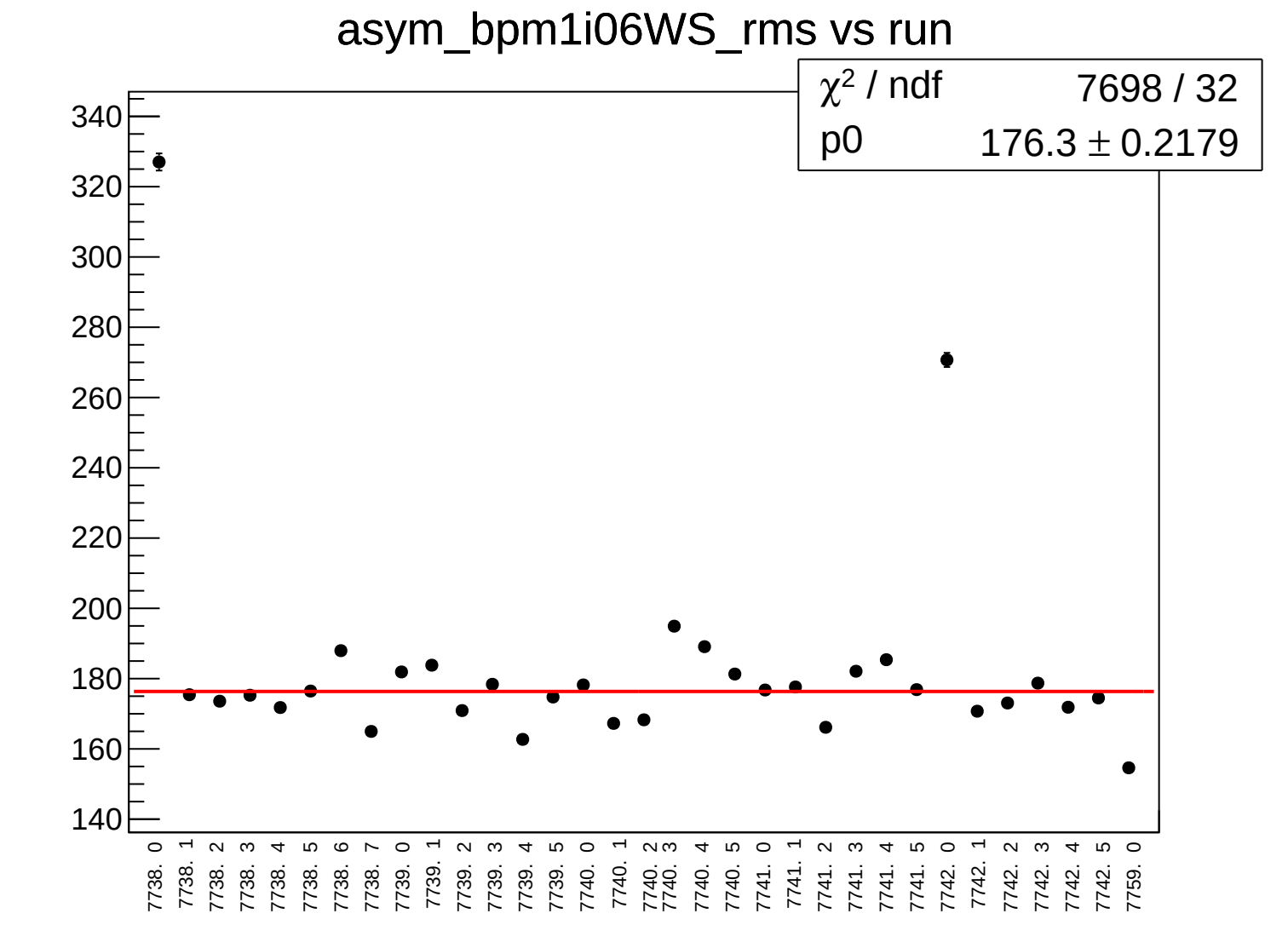

asym_bpm1i04WS_mean vs run
χ² / ndf 95.45 / 32
p0 −2.993e+04 ± 268.1
−22000
−24000
−26000
−28000
−30000
−32000
−34000
−36000
−38000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.692
Std Dev 17.63
3
2
1
0
−1
−2
−3

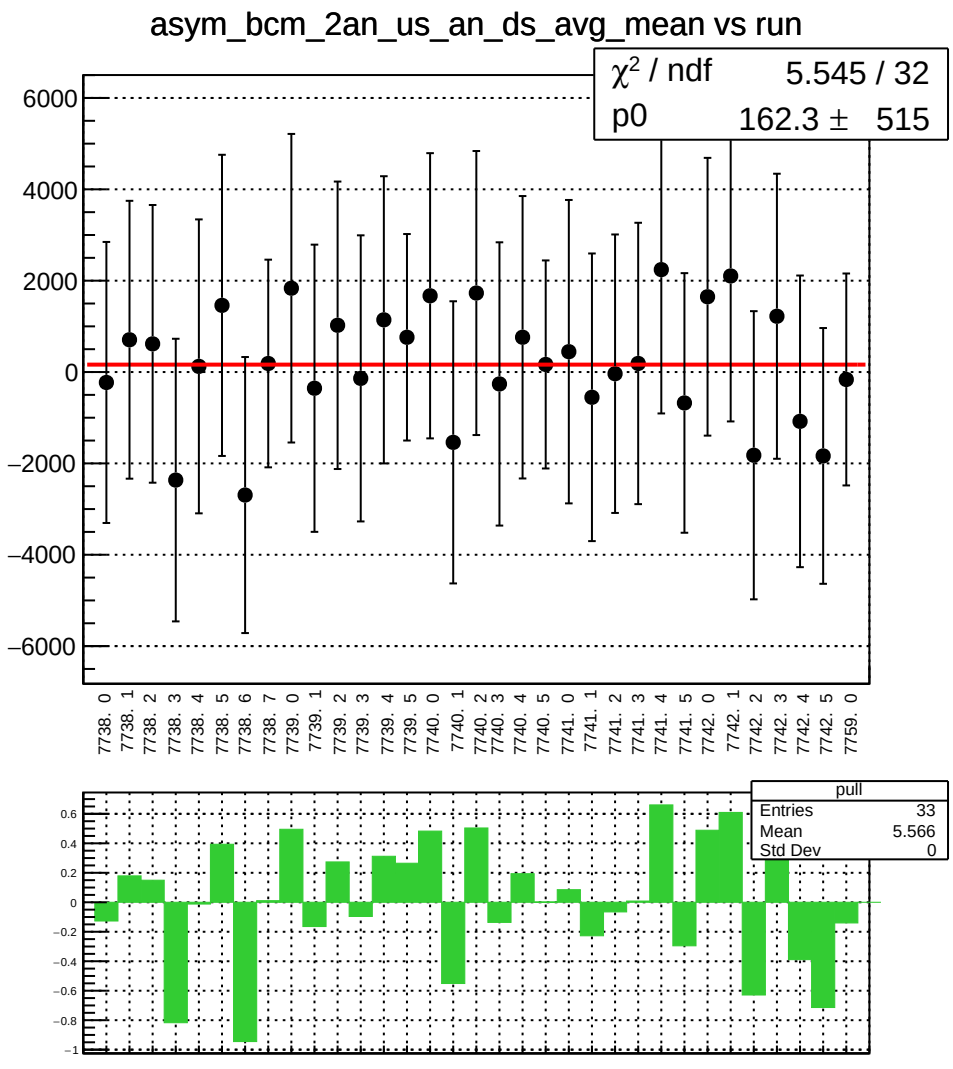

pull1D
Entries 33
Mean −0.09023
Std Dev 1.698
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

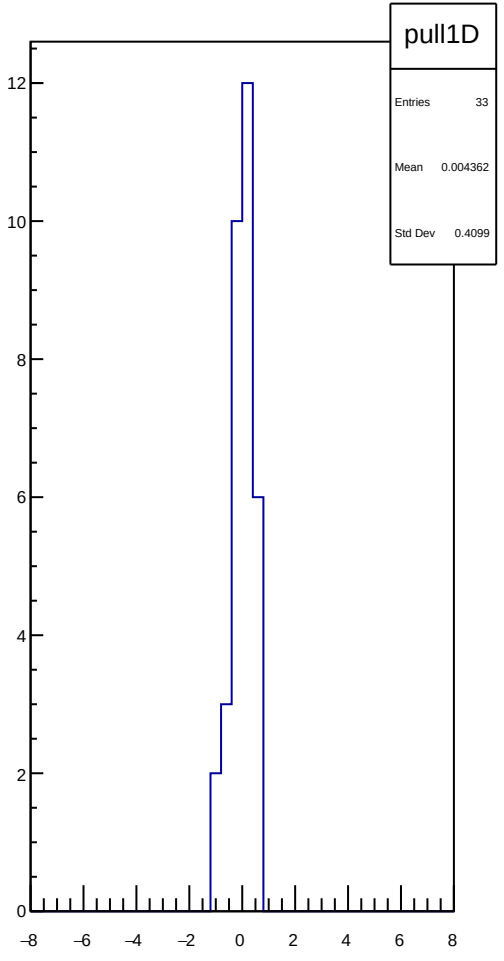

asym_bpm1i04WS_rms vs run
χ² / ndf 8900 / 32
p0 153.3 ± 0.1896
300
280
260
240
220
200
180
160
140
120
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

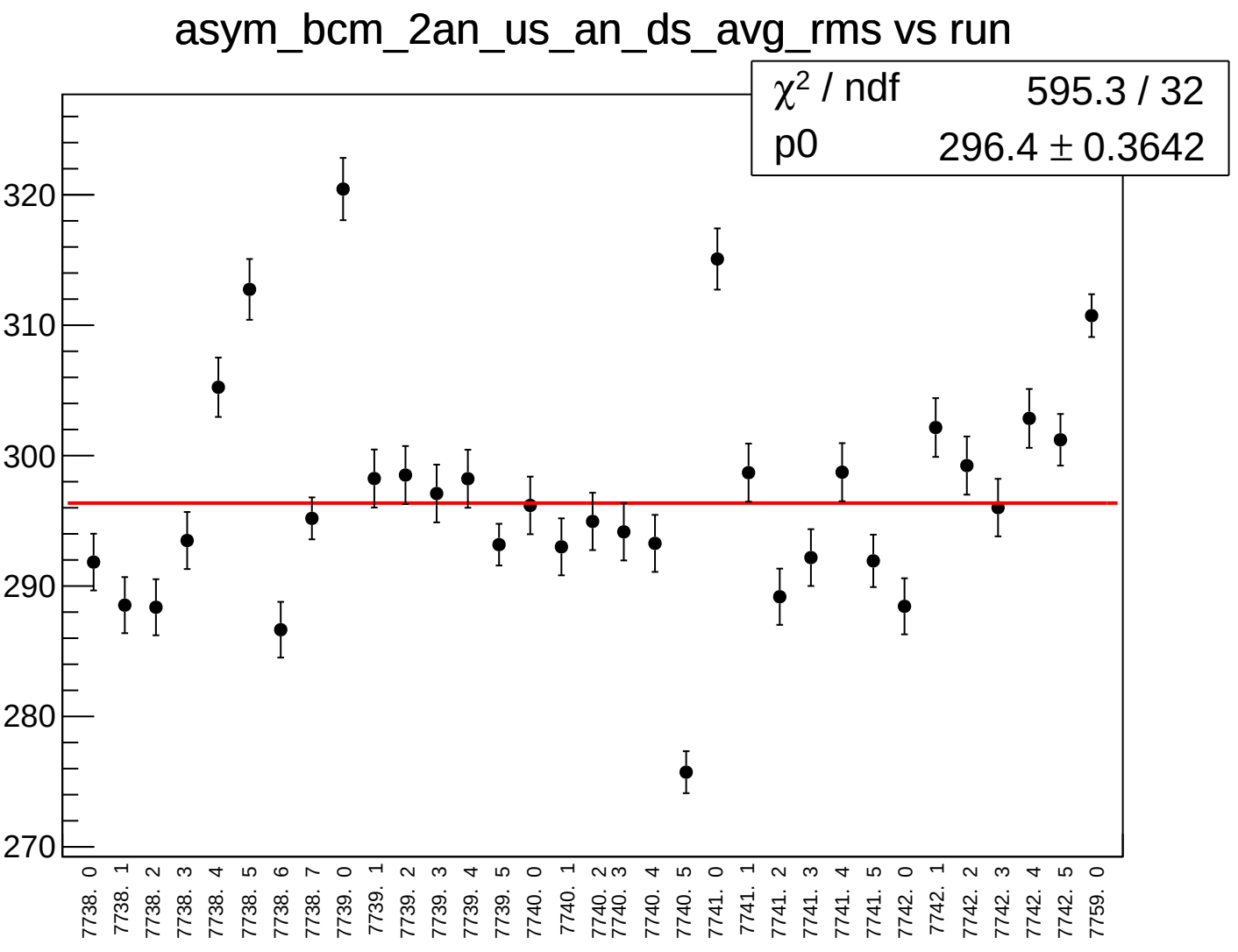

asym_bpm1i06WS_mean vs run
χ² / ndf 87 / 32
p0 −3.379e+04 ± 308.1
−25000
−30000
−35000
−40000
−45000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.21
Std Dev 0
3
2
1
0
−1
−2
−3

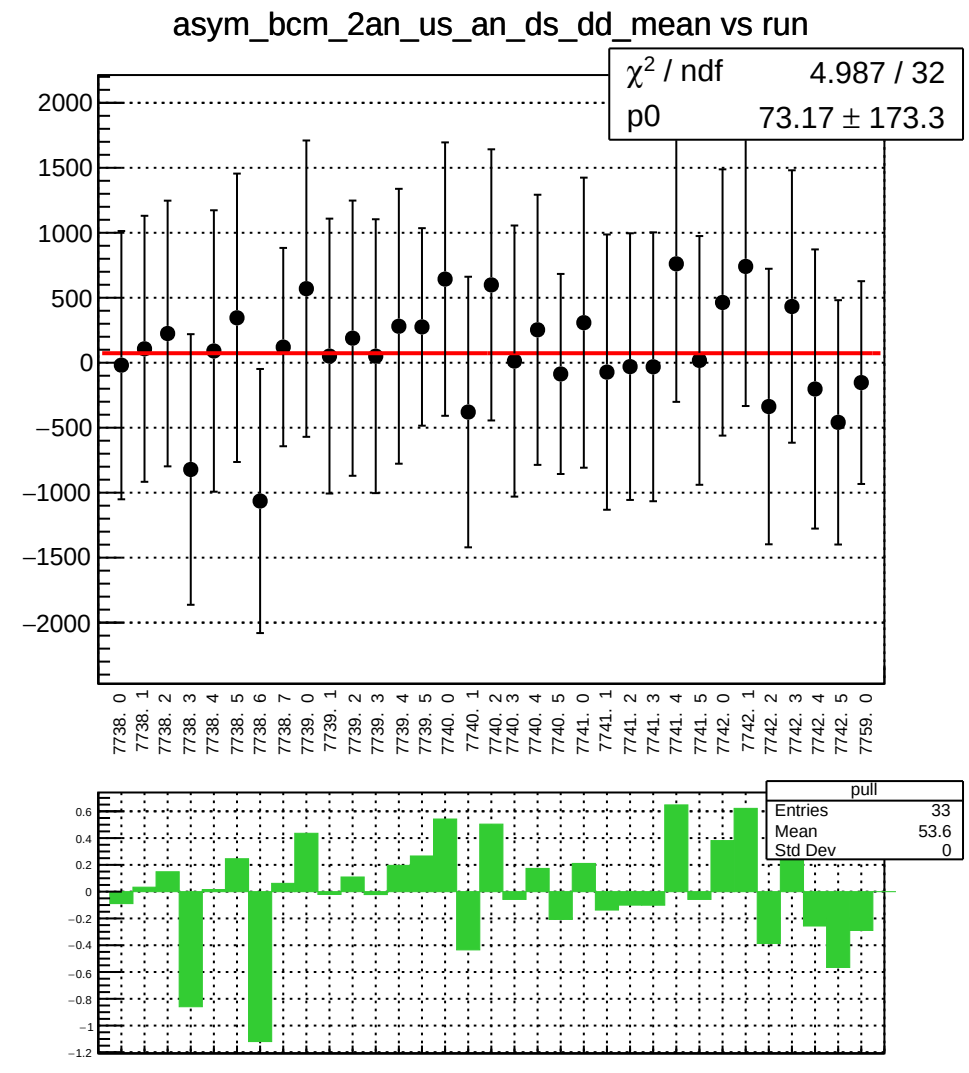

pull1D
Entries 33
Mean −0.06327
Std Dev 1.622
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

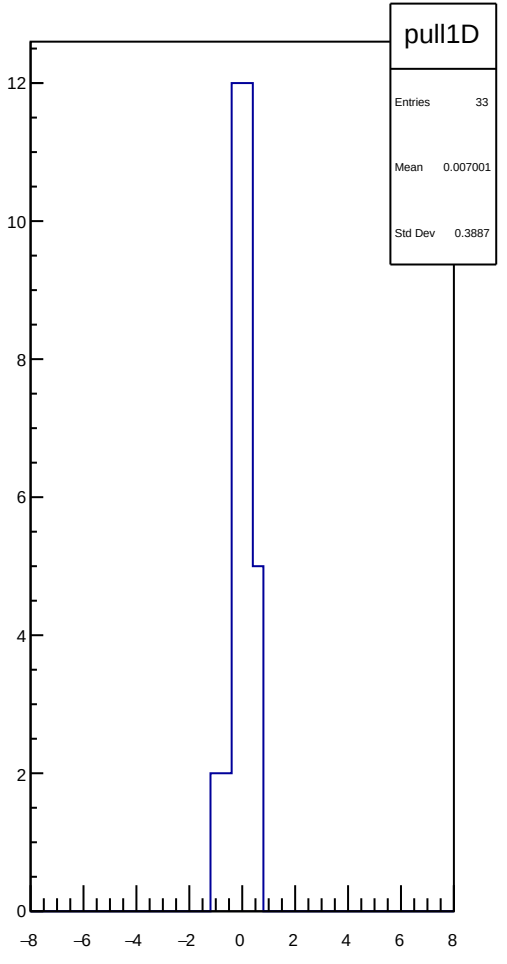

asym_bpm1i06WS_rms vs run
χ² / ndf 7698 / 32
p0 176.3 ± 0.2179
340
320
300
280
260
240
220
200
180
160
140
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

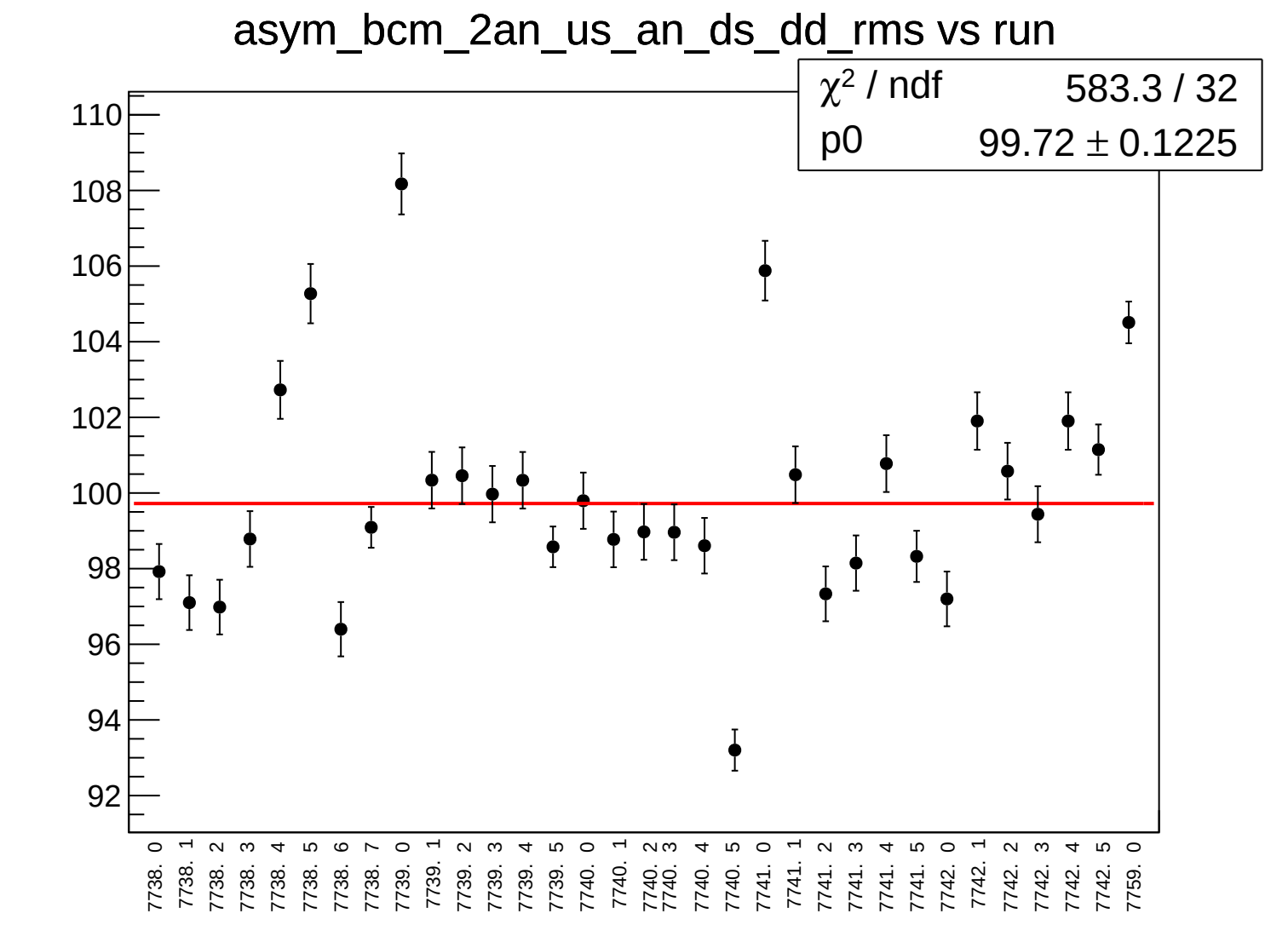

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 5.545 / 32
p0 162.3 ± 515
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.566
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

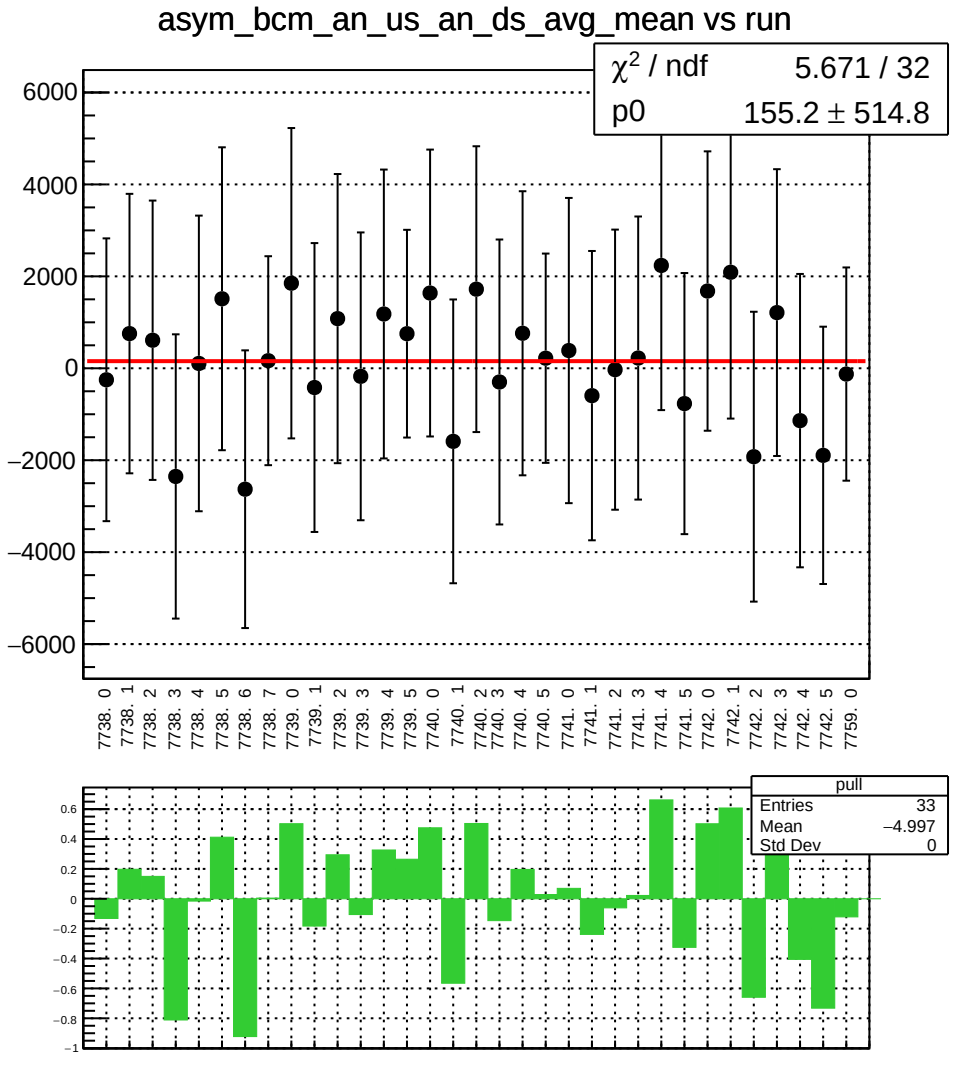

pull1D
Entries 33
Mean 0.004362
Std Dev 0.4099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

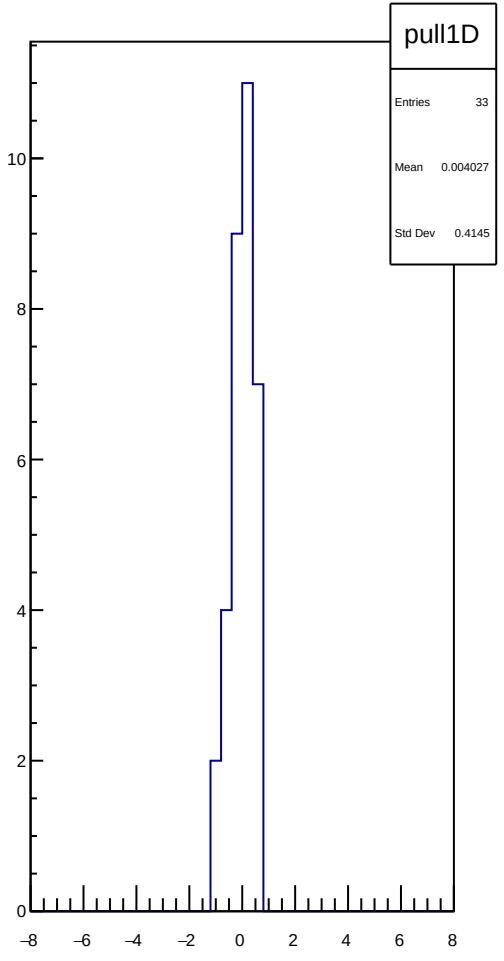

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 595.3 / 32
p0 296.4 ± 0.3642
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

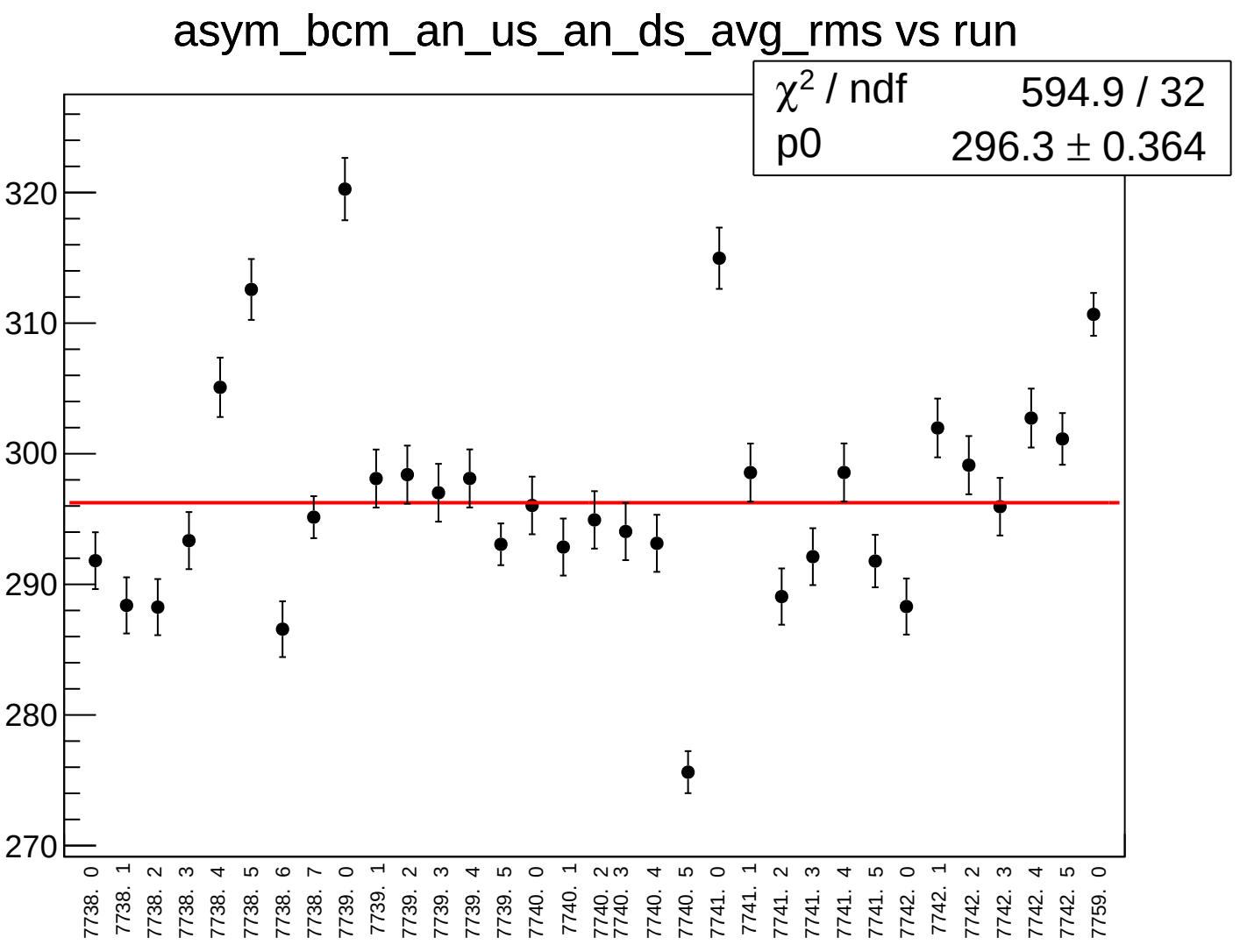

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 4.987 / 32
p0 73.17 ± 173.3
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 53.6
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

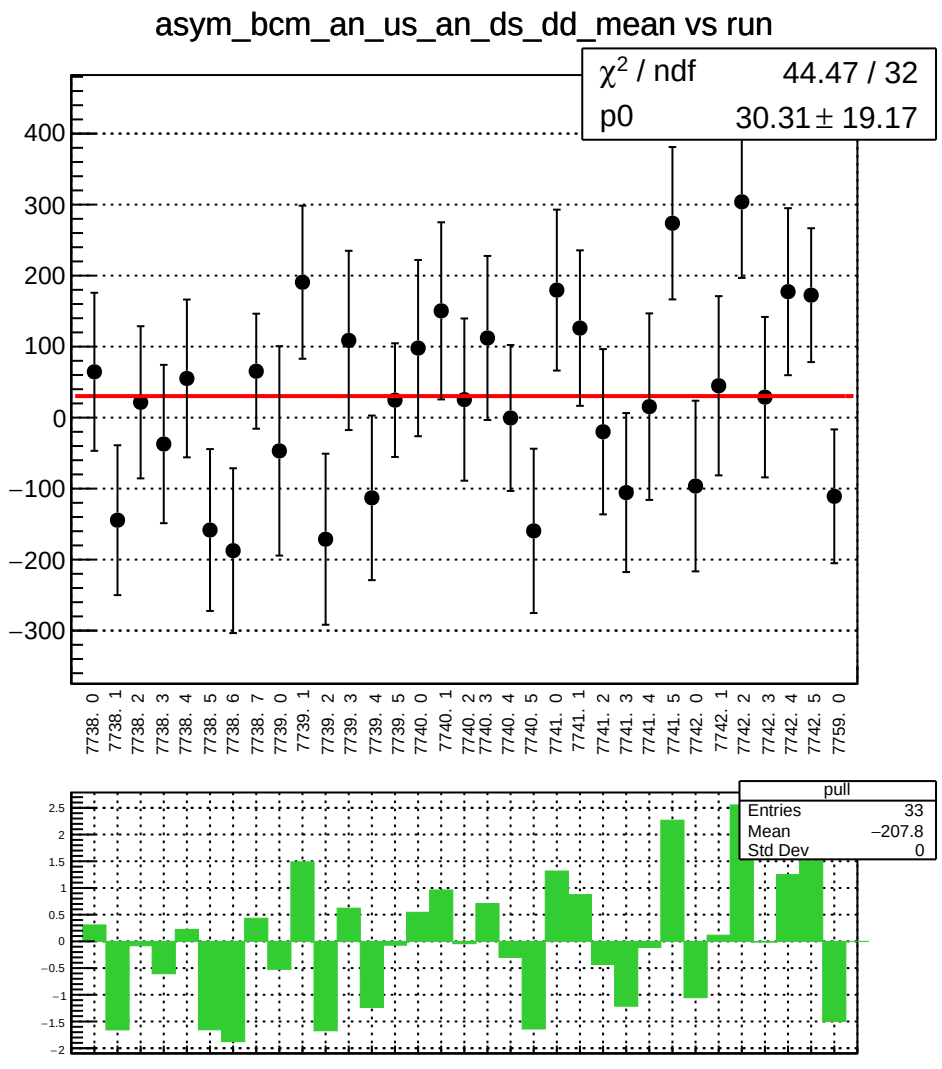

pull1D
Entries 33
Mean 0.007001
Std Dev 0.3887
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

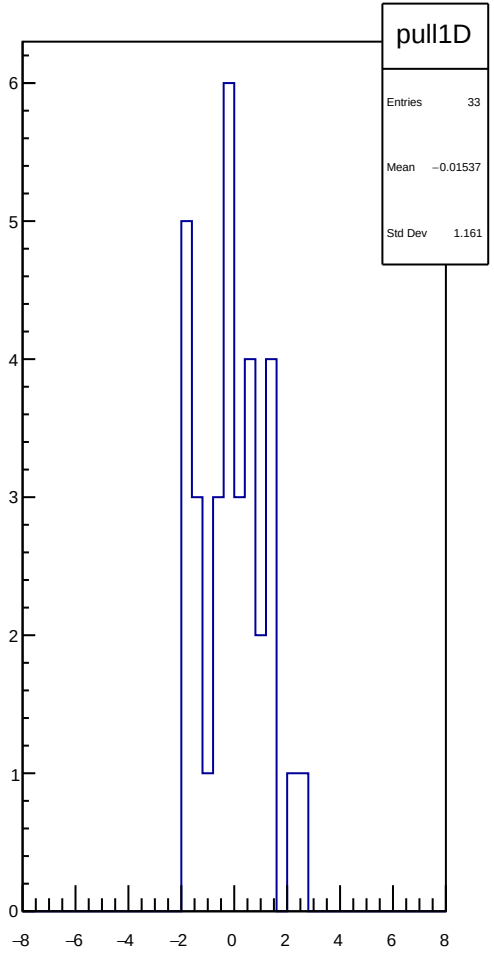

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 583.3 / 32
p0 99.72 ± 0.1225
110
108
106
104
102
100
98
96
94
92
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

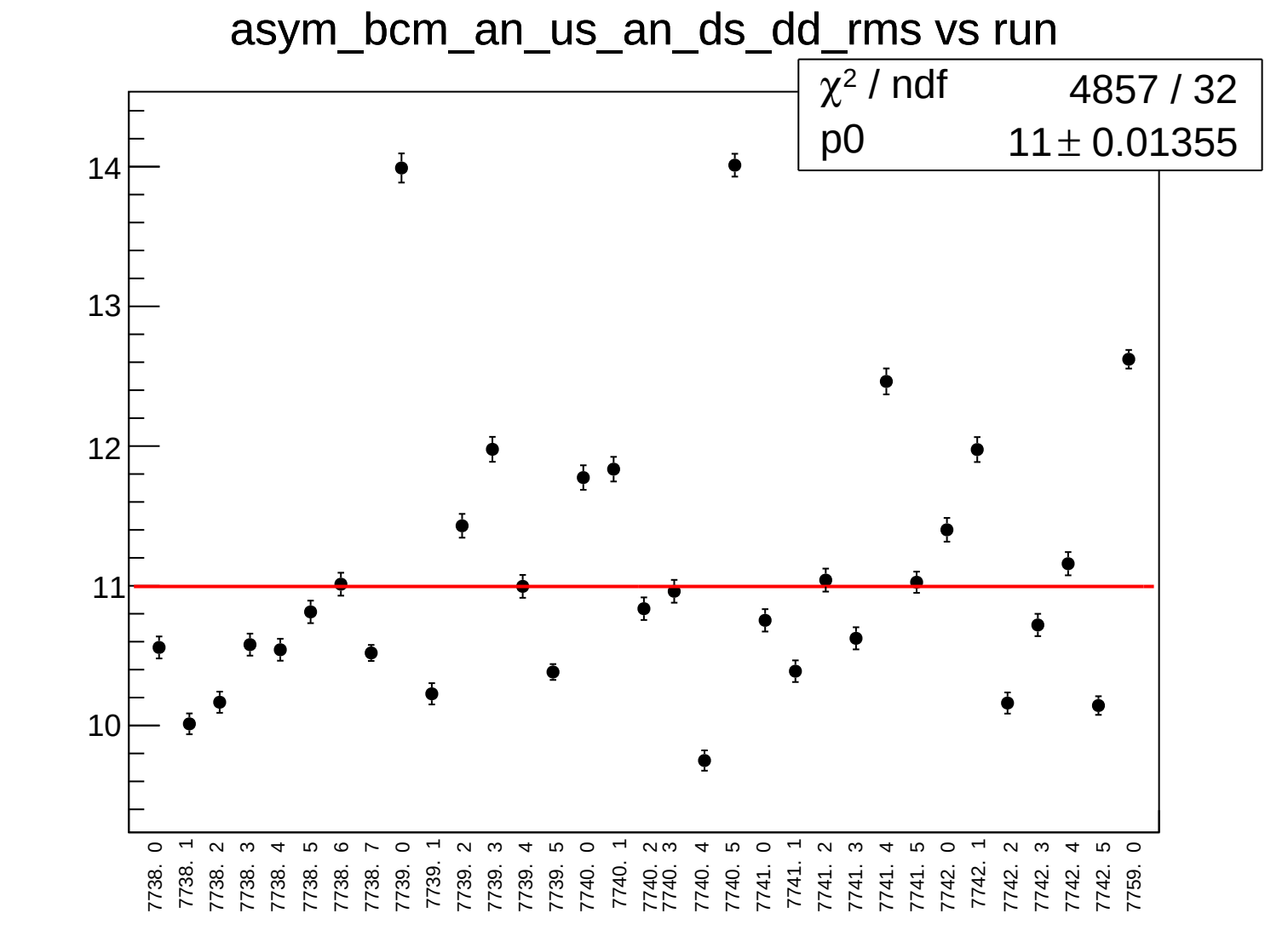

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 5.671 / 32
p0 155.2 ± 514.8
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.997
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

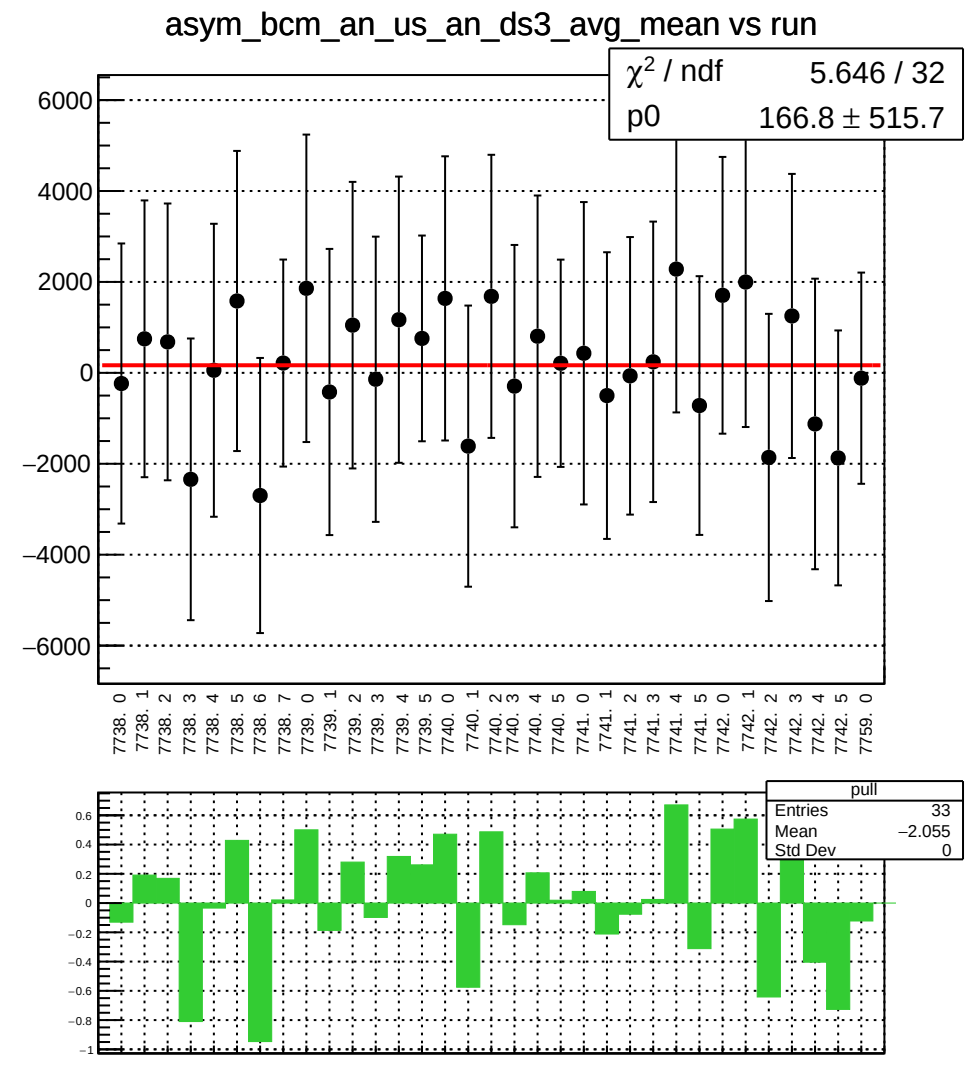

pull1D
Entries 33
Mean 0.004027
Std Dev 0.4145
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

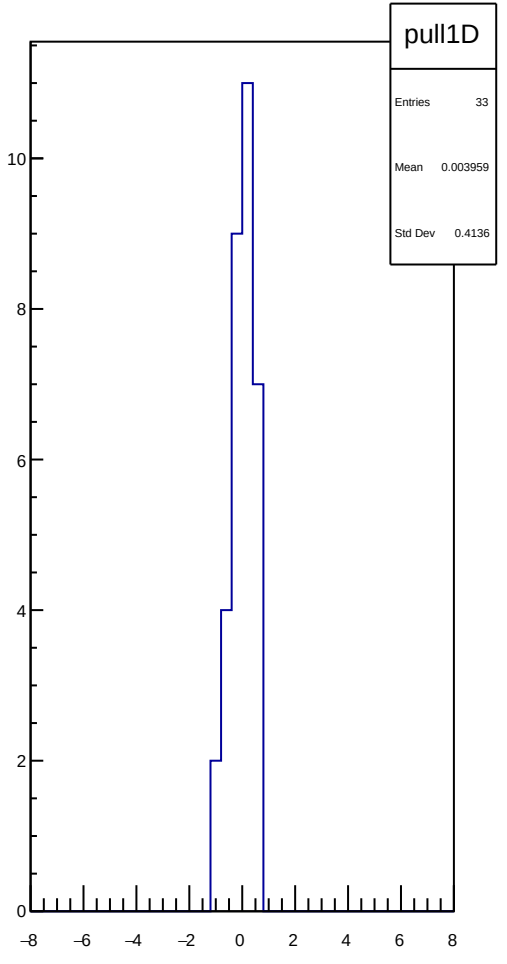

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 594.9 / 32
p0 296.3 ± 0.364
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

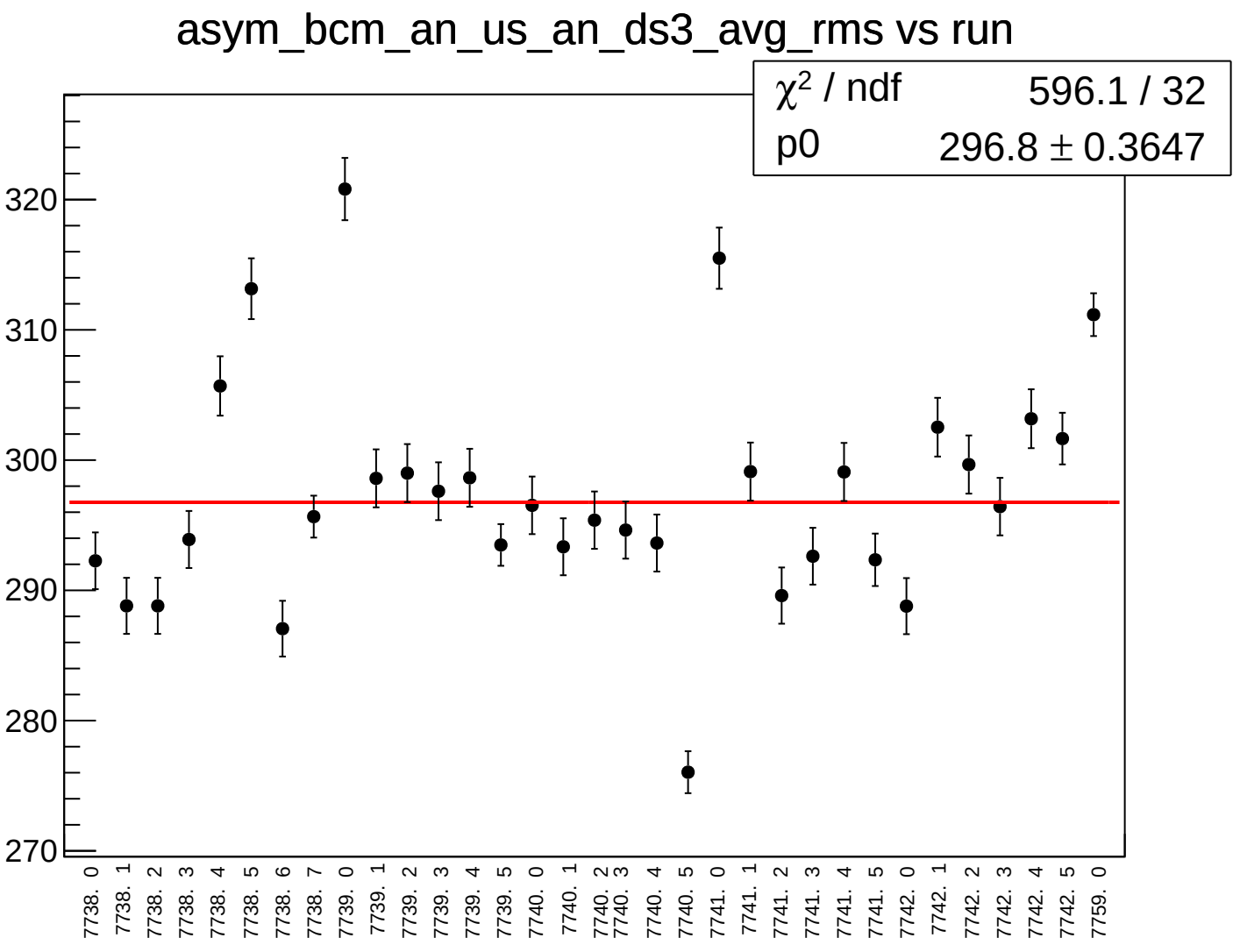

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 44.47 / 32
p0 30.31 ± 19.17
400
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −207.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

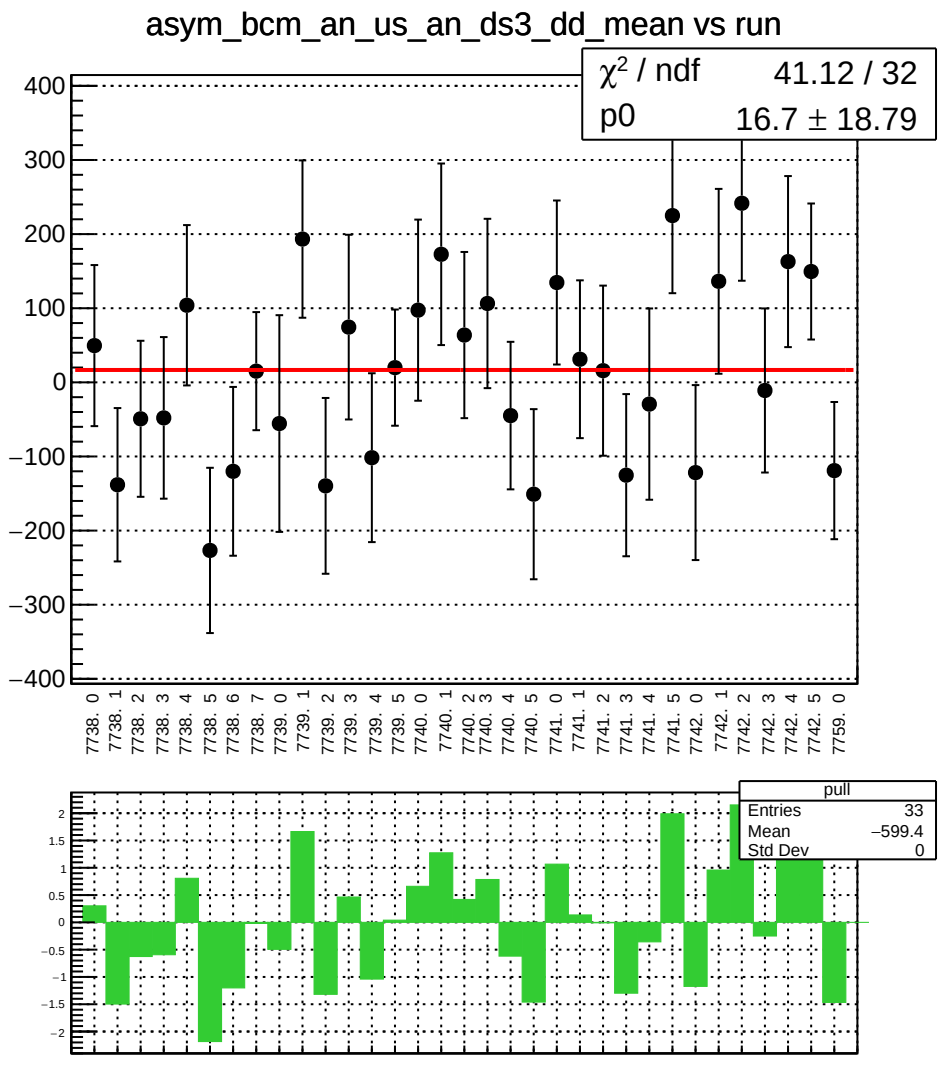

pull1D
Entries 33
Mean −0.01537
Std Dev 1.161
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

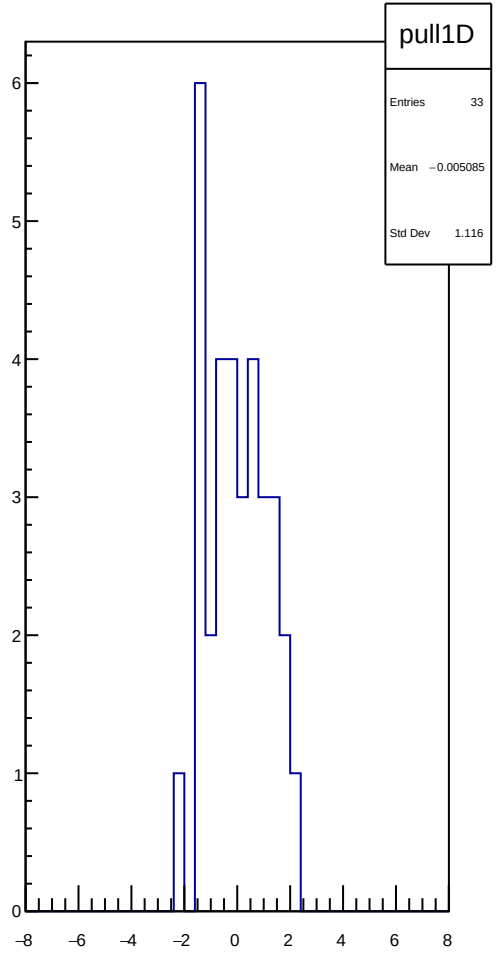

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 4857 / 32
p0 11 ± 0.01355
14
13
12
11
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

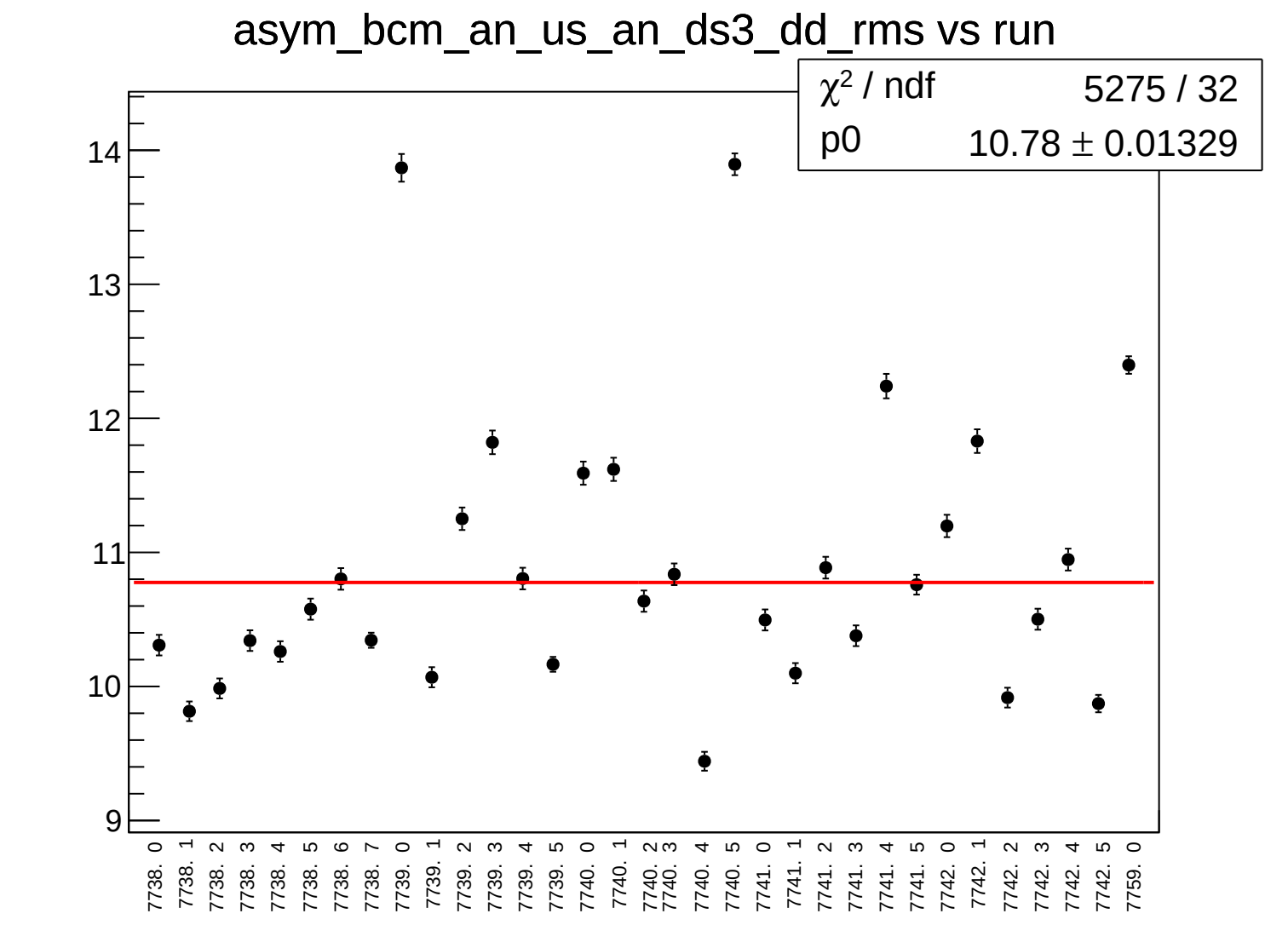

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 5.646 / 32
p0 166.8 ± 515.7
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.055
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

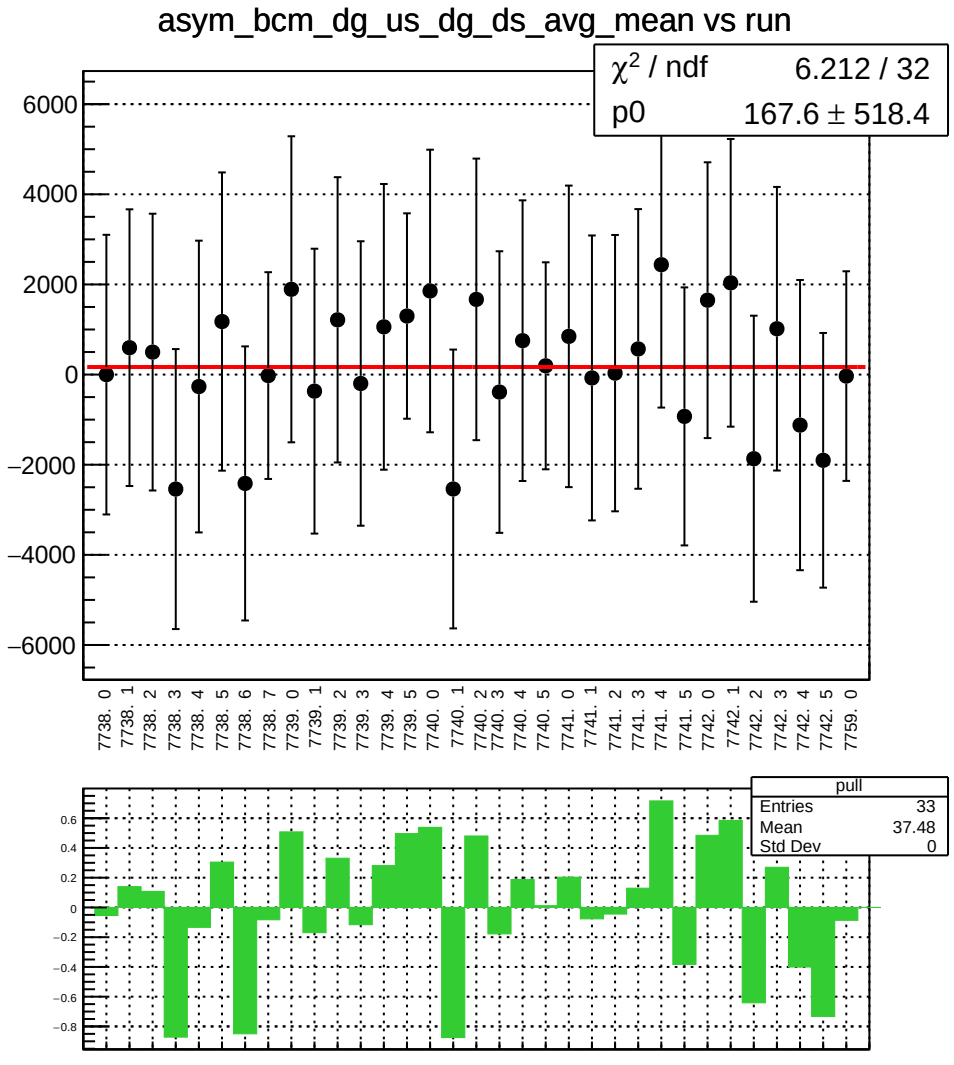

pull1D
Entries 33
Mean 0.003959
Std Dev 0.4136
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

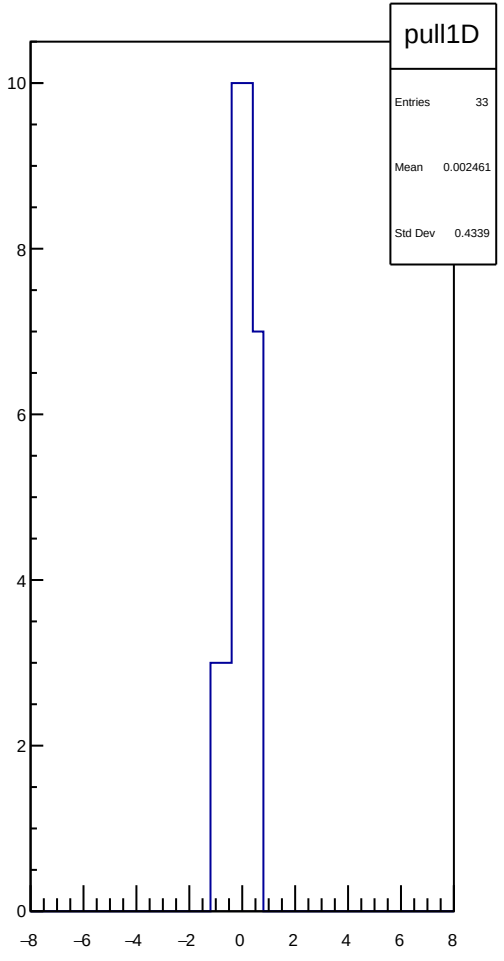

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 596.1 / 32
p0 296.8 ± 0.3647
320
310
300
290
280
270
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

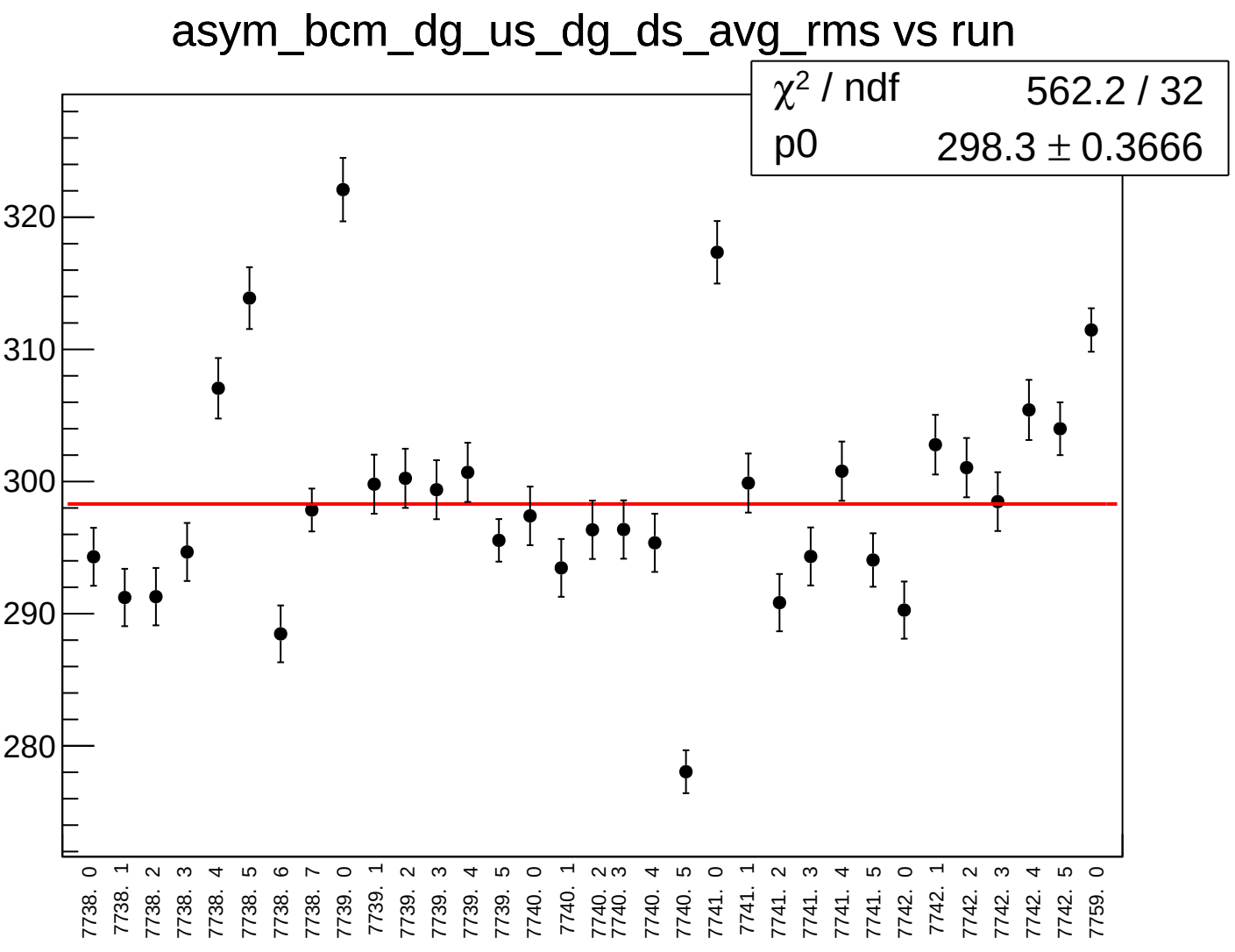

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 41.12 / 32
p0 16.7 ± 18.79
pull
Entries 33
Mean −599.4
Std Dev 0

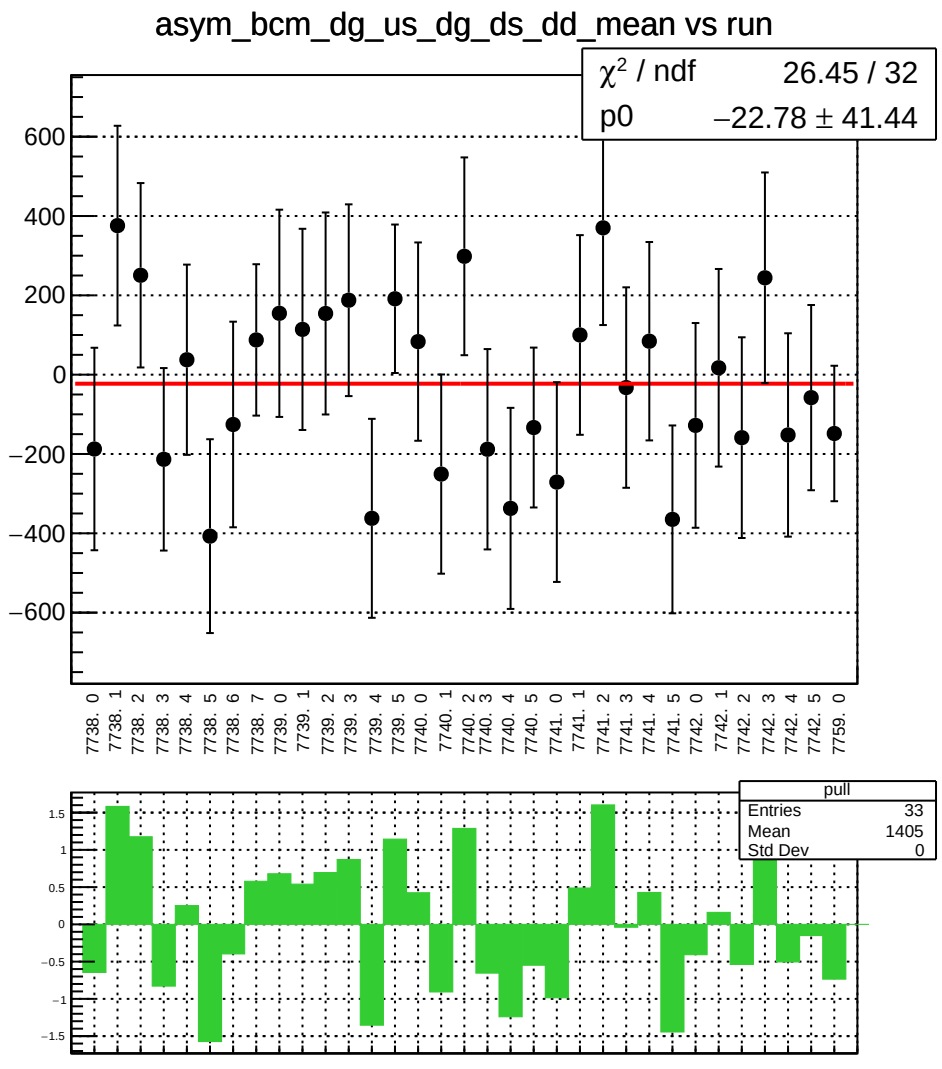

pull1D
Entries 33
Mean −0.005085
Std Dev 1.116

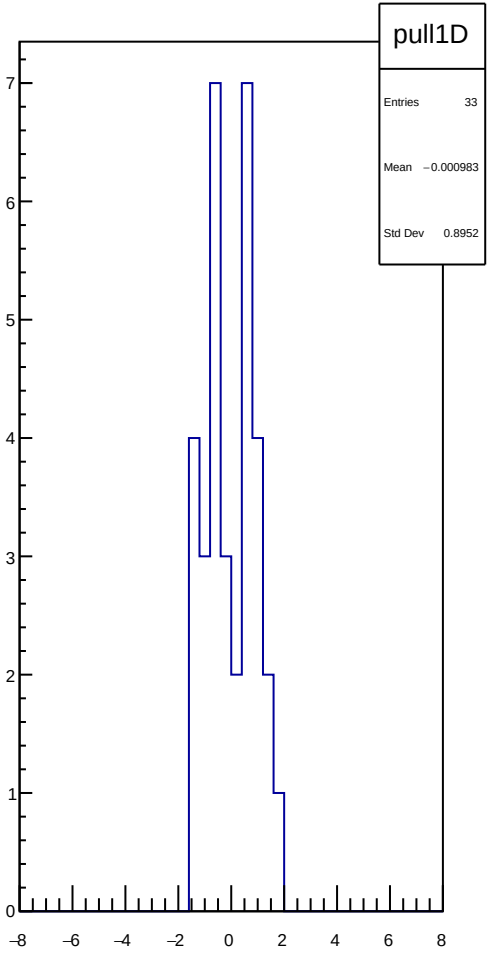

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 5275 / 32
p0 10.78 ± 0.01329
14
13
12
11
10
9
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

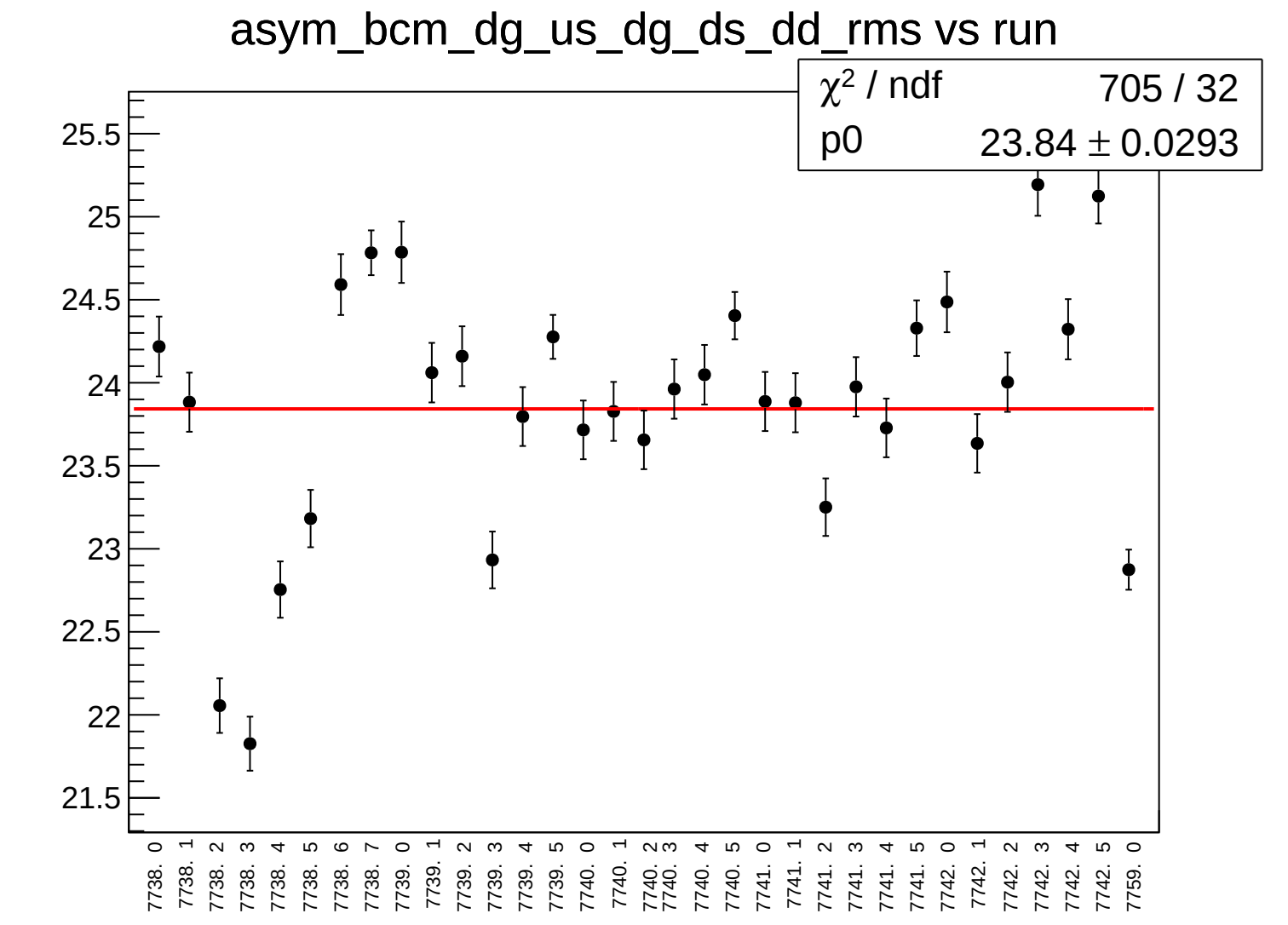

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 6.212 / 32
p0 167.6 ± 518.4
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 37.48
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

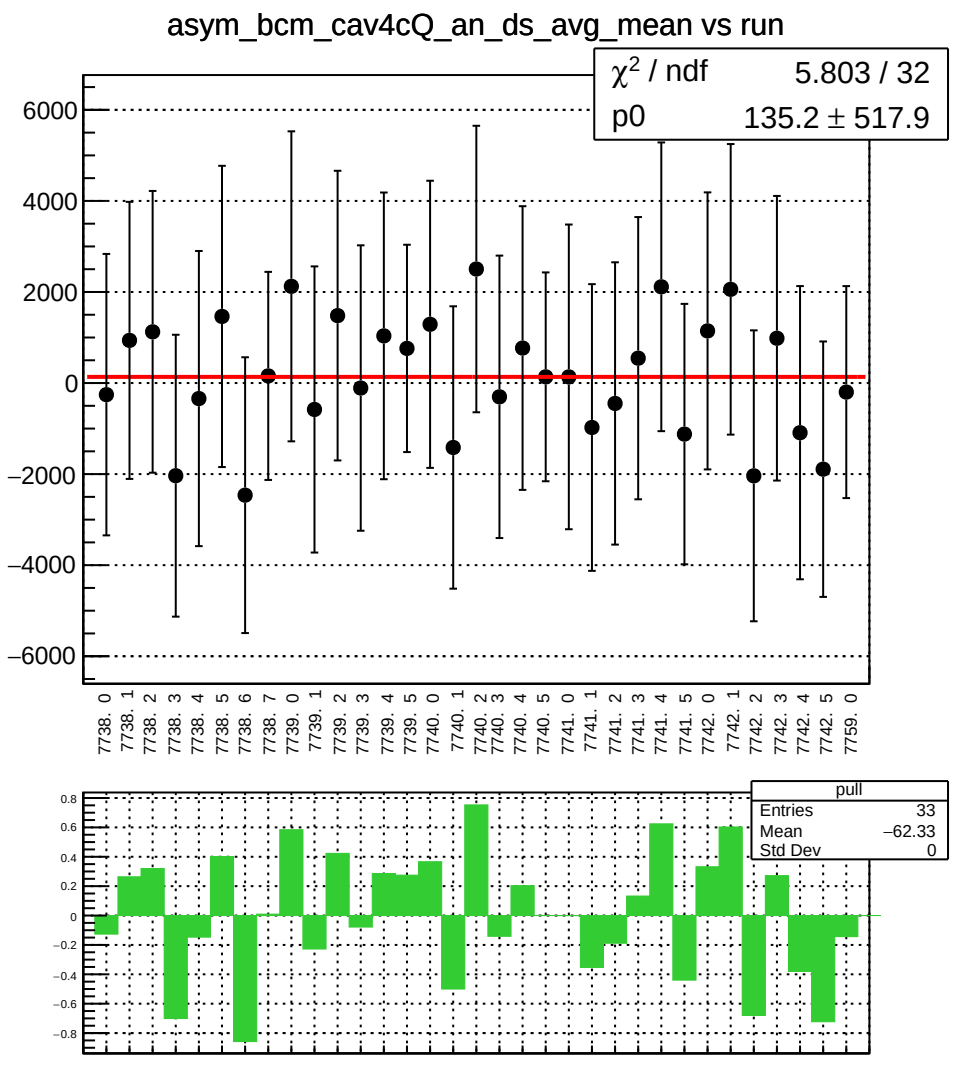

pull1D
Entries 33
Mean 0.002461
Std Dev 0.4339
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

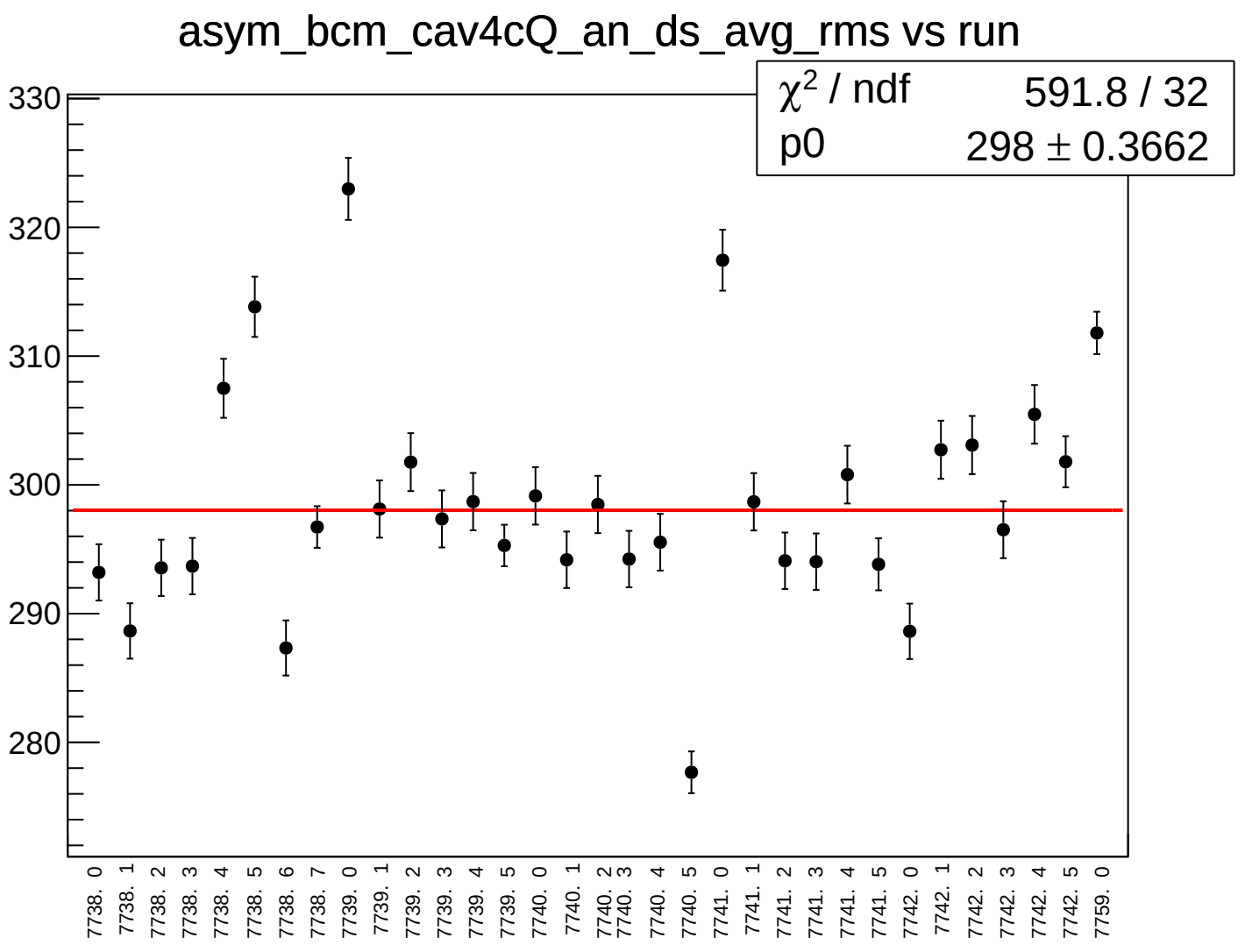

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 562.2 / 32
p0 298.3 ± 0.3666
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

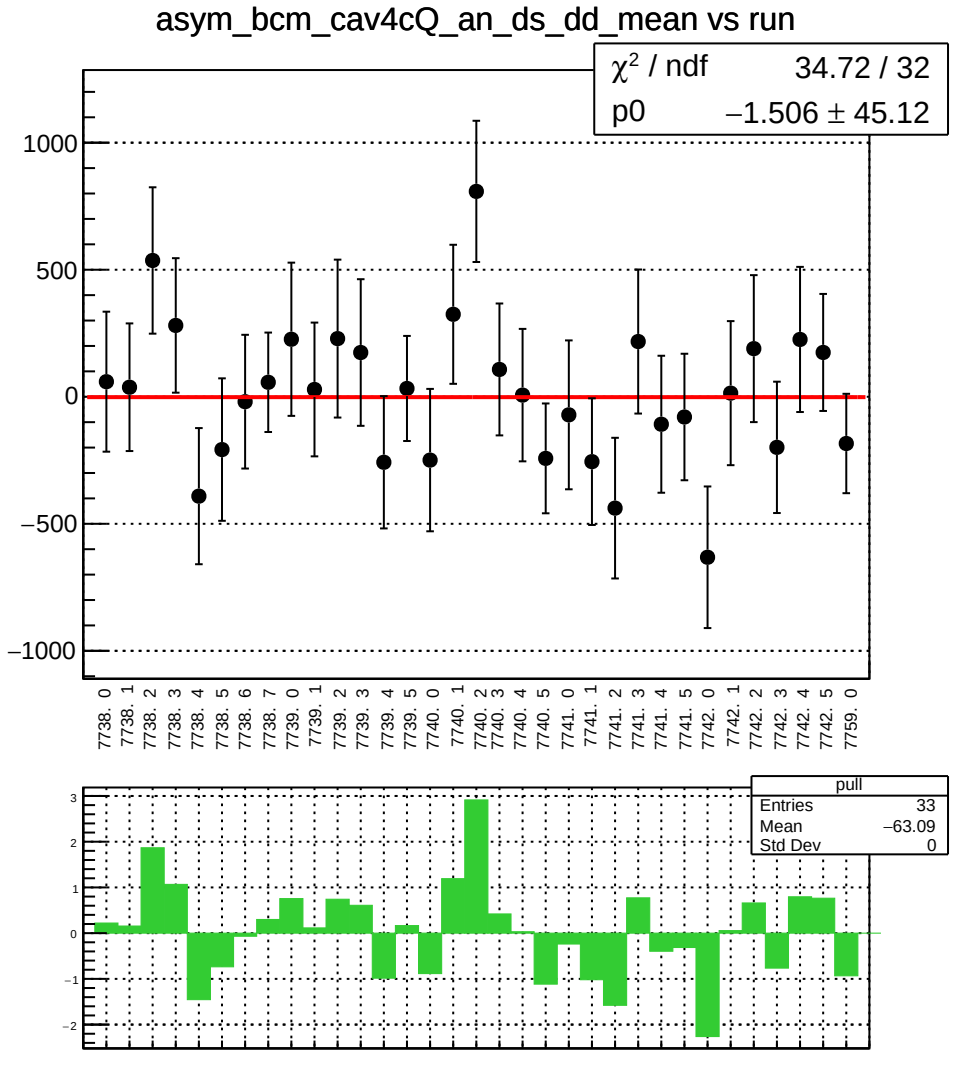

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 26.45 / 32
p0 −22.78 ± 41.44
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1405
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

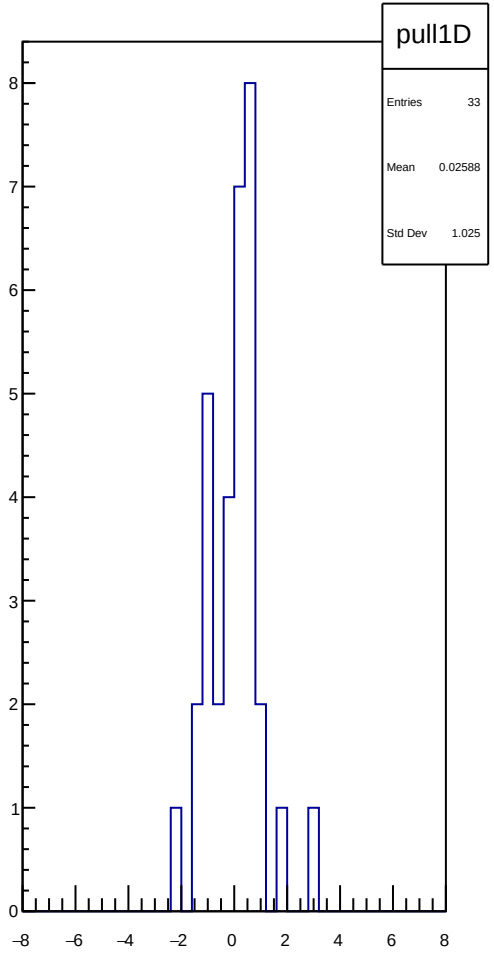

pull1D
Entries 33
Mean −0.000983
Std Dev 0.8952
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

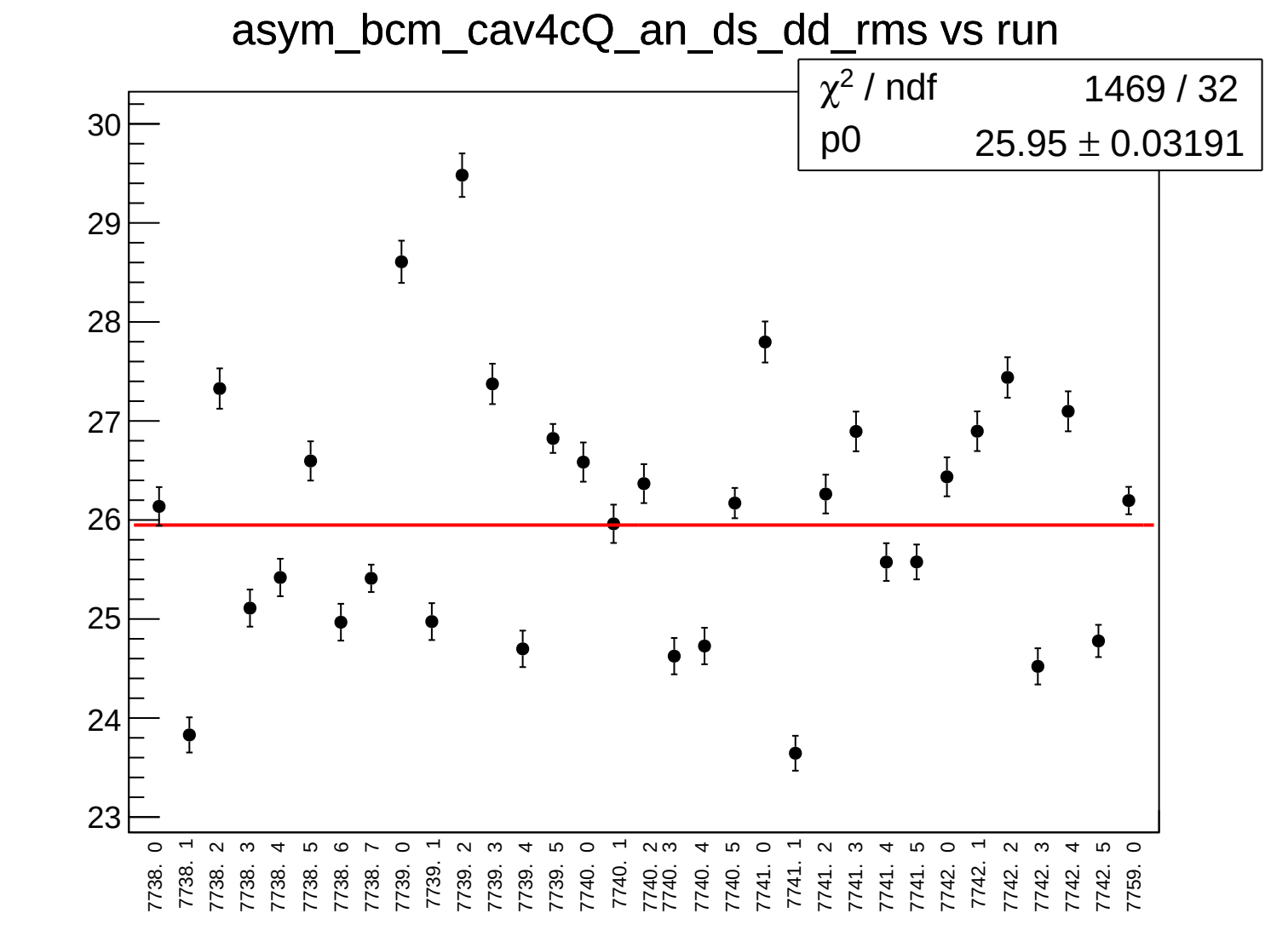

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 705 / 32
p0 23.84 ± 0.0293
25.5
25
24.5
24
23.5
23
22.5
22
21.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

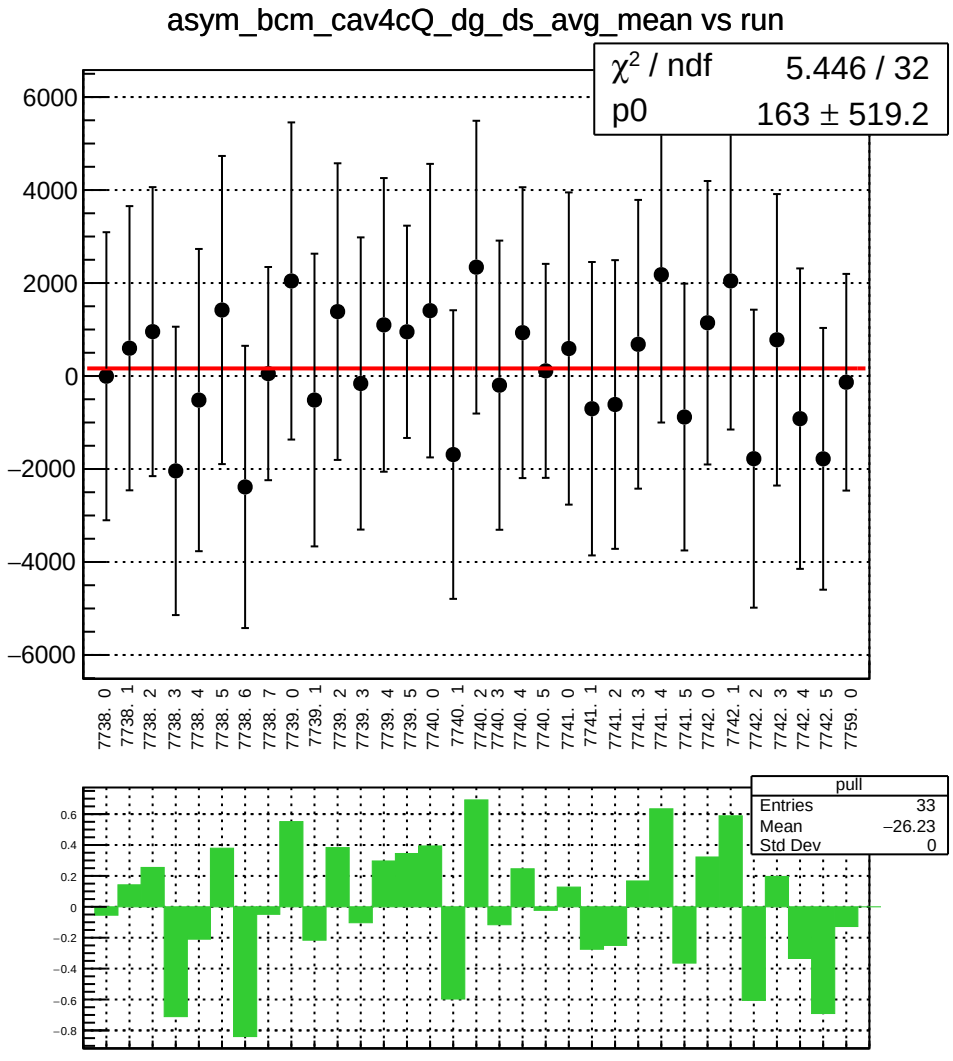

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 5.803 / 32
p0 135.2 ± 517.9
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −62.33
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.00488
Std Dev 0.4193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

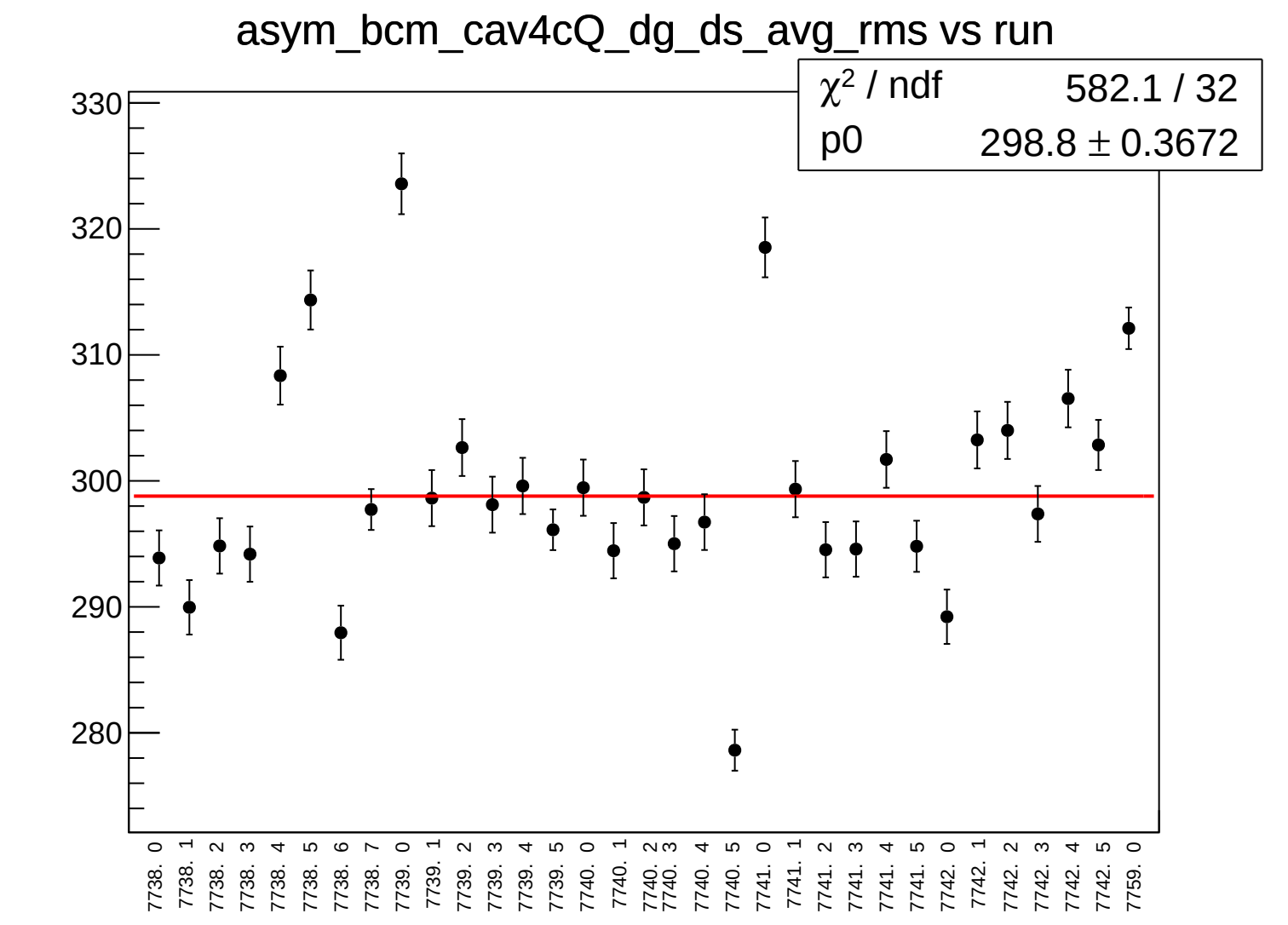

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 591.8 / 32
p0 298 ± 0.3662
330
320
310
300
290
280
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

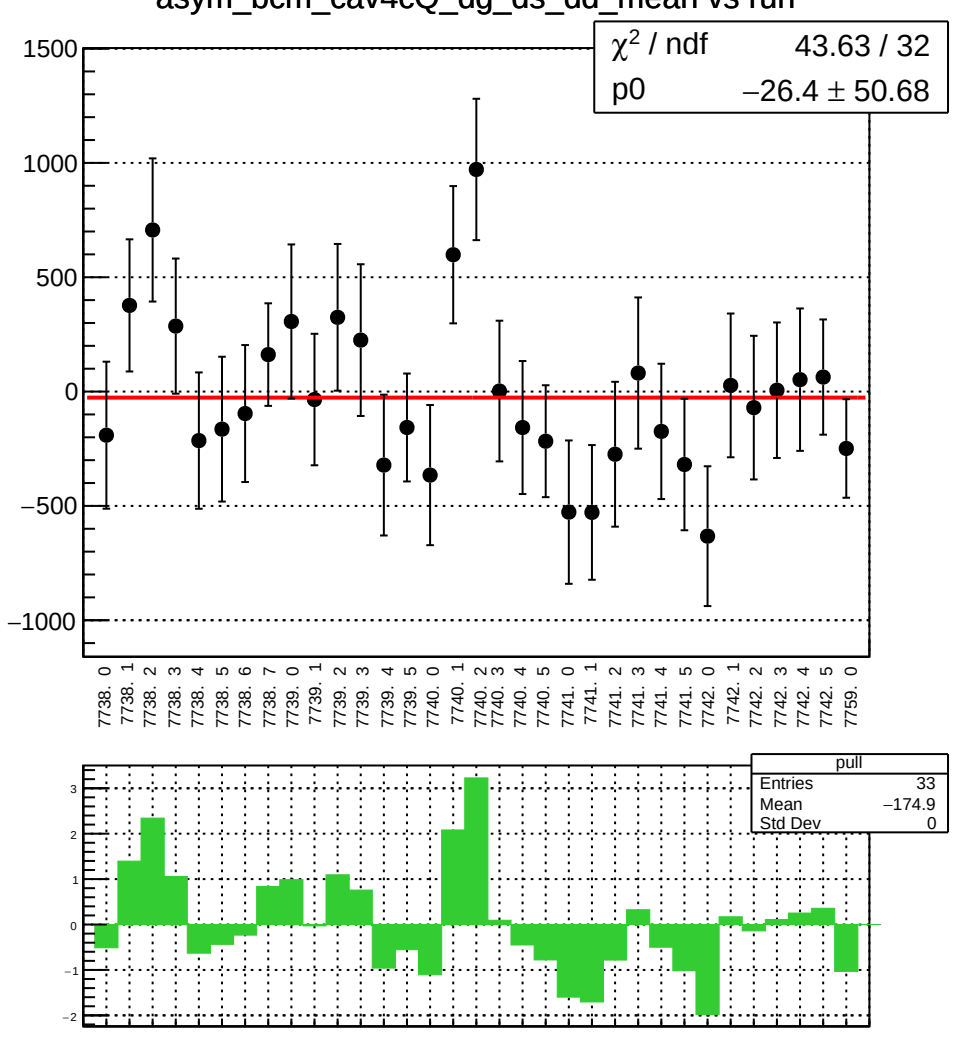

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 34.72 / 32
p0 −1.506 ± 45.12
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −63.09
Std Dev 0
3
2
1
0
−1
−2

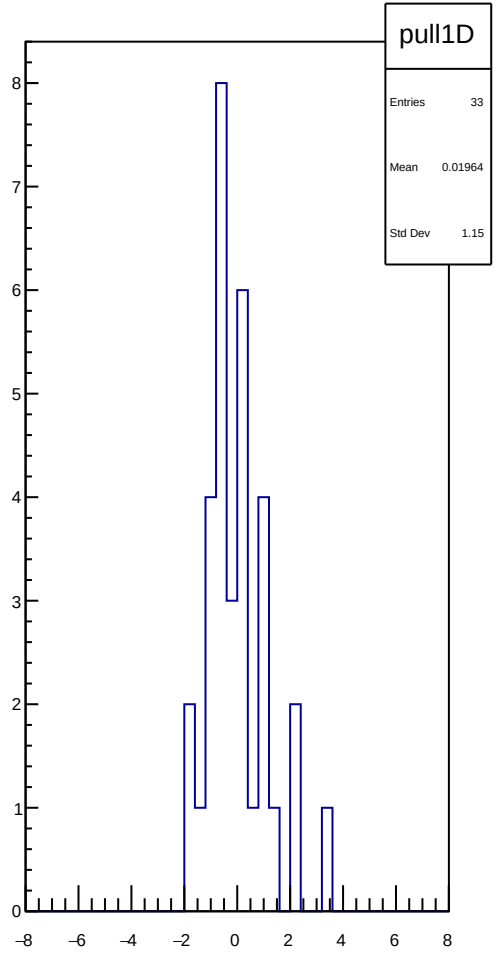

pull1D
Entries 33
Mean 0.02588
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

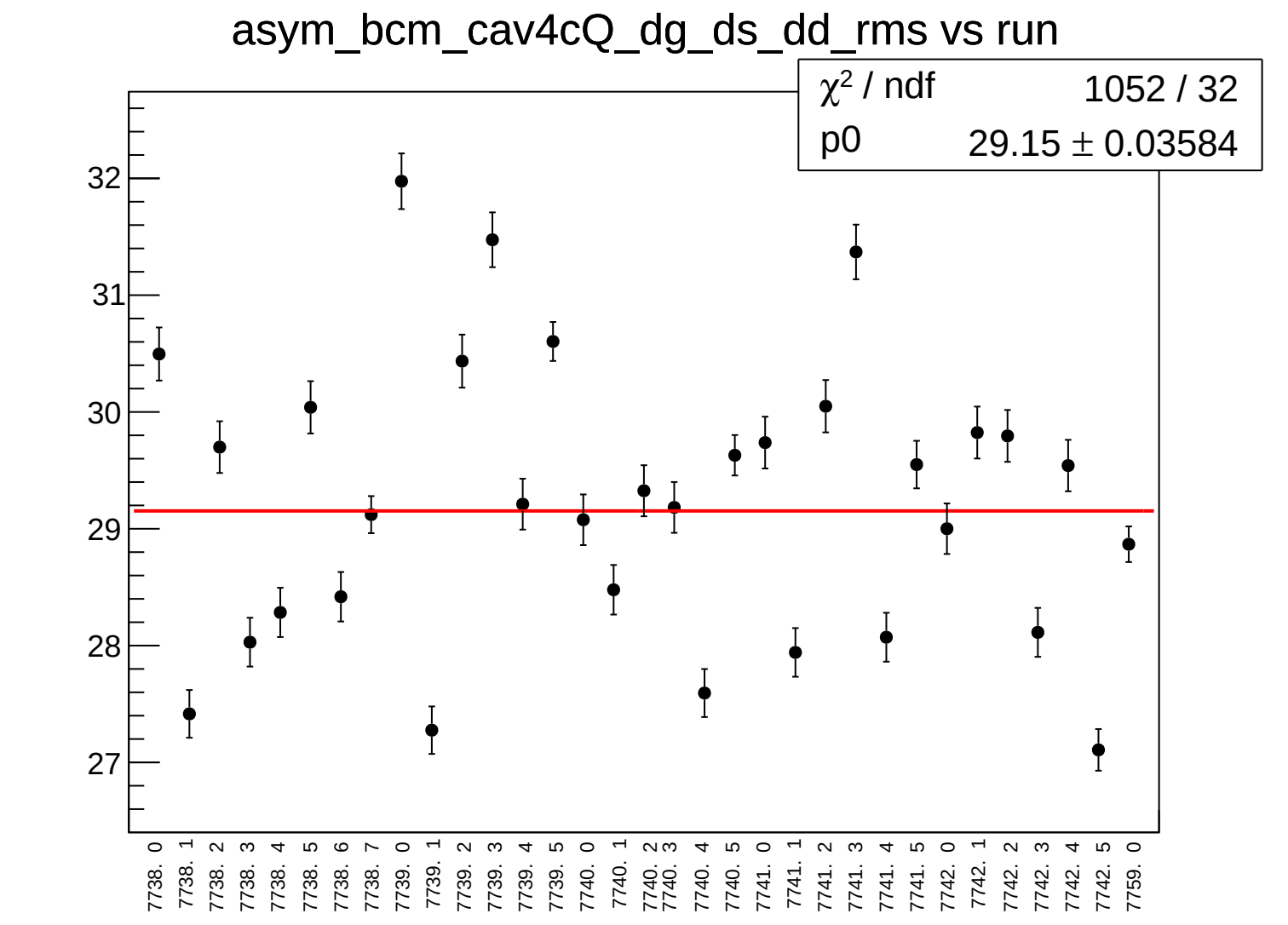

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 1469 / 32
p0 25.95 ± 0.03191
30
29
28
27
26
25
24
23
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

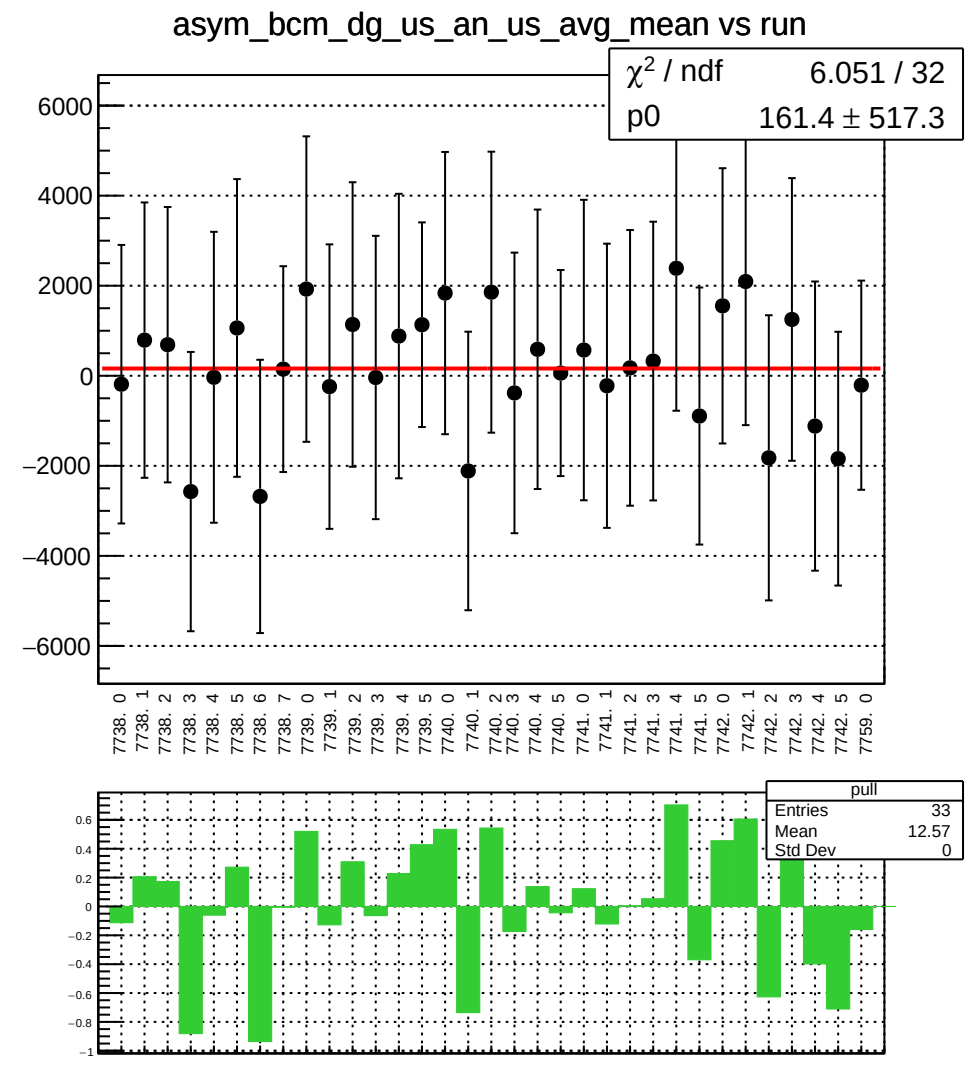

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 5.446 / 32
p0 163 ± 519.2
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −26.23
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.004746
Std Dev 0.4062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

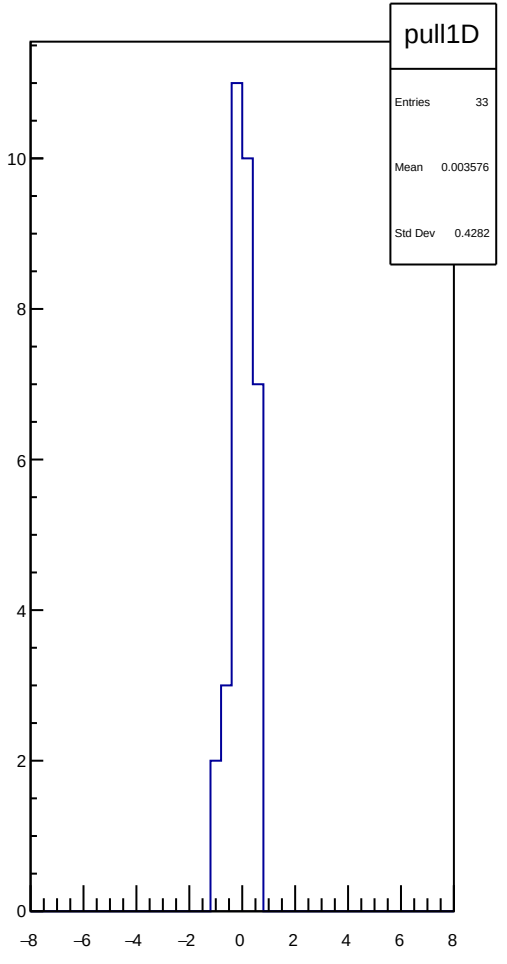

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 582.1 / 32
p0 298.8 ± 0.3672
330
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

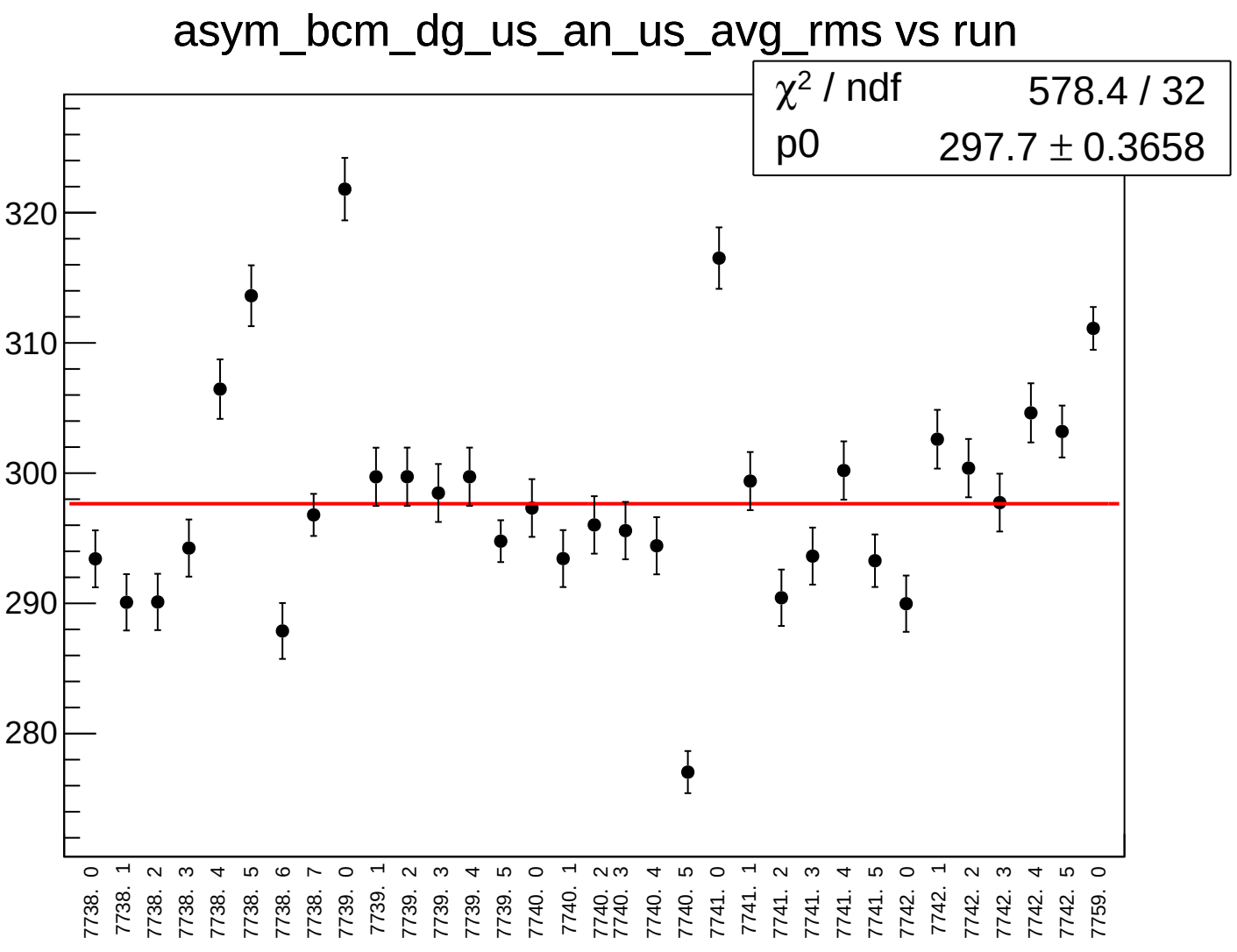

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 43.63 / 32
p0 −26.4 ± 50.68
1500
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −174.9
Std Dev 0
3
2
1
0
−1
−2

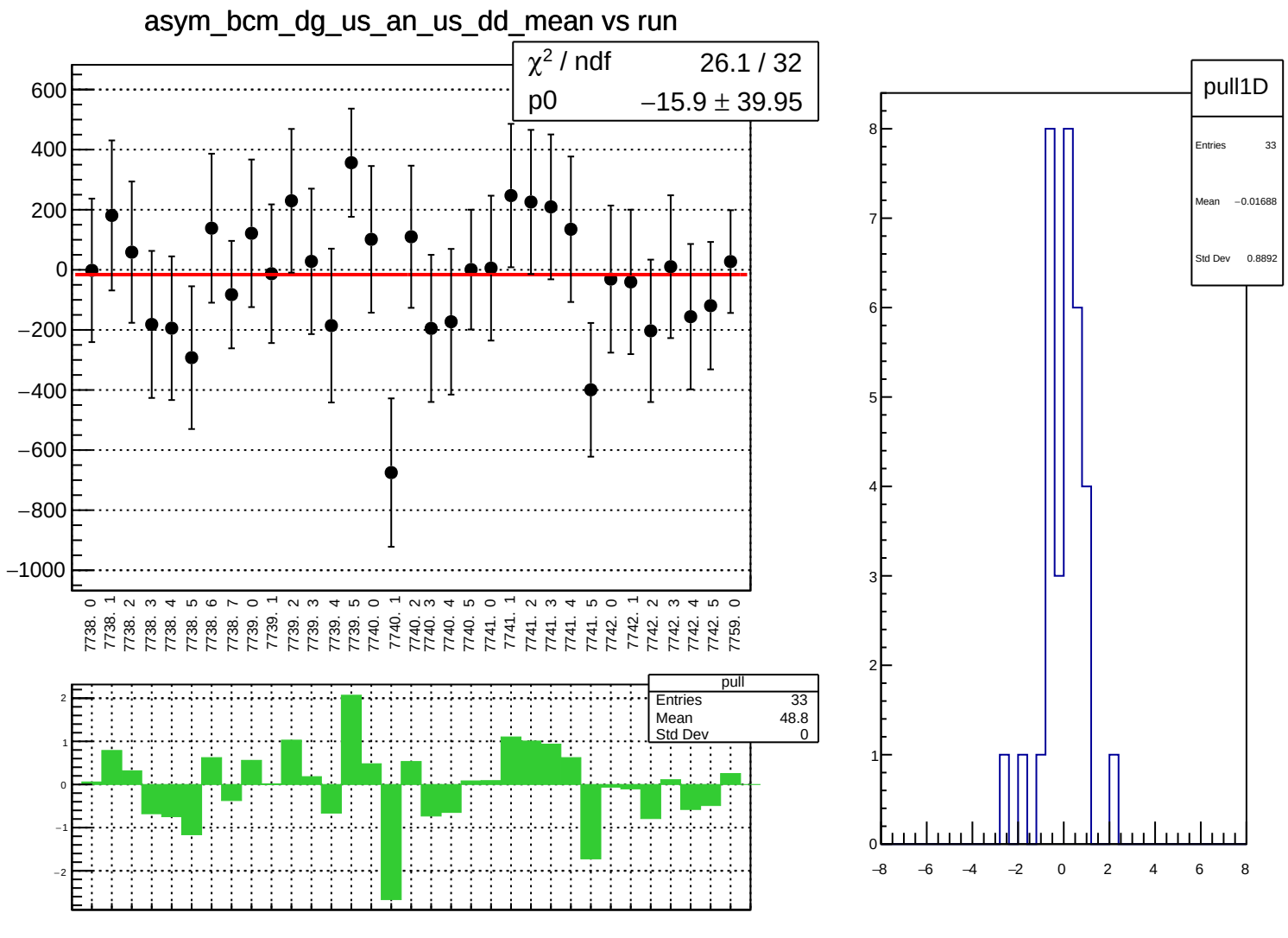

pull1D
Entries 33
Mean 0.01964
Std Dev 1.15
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

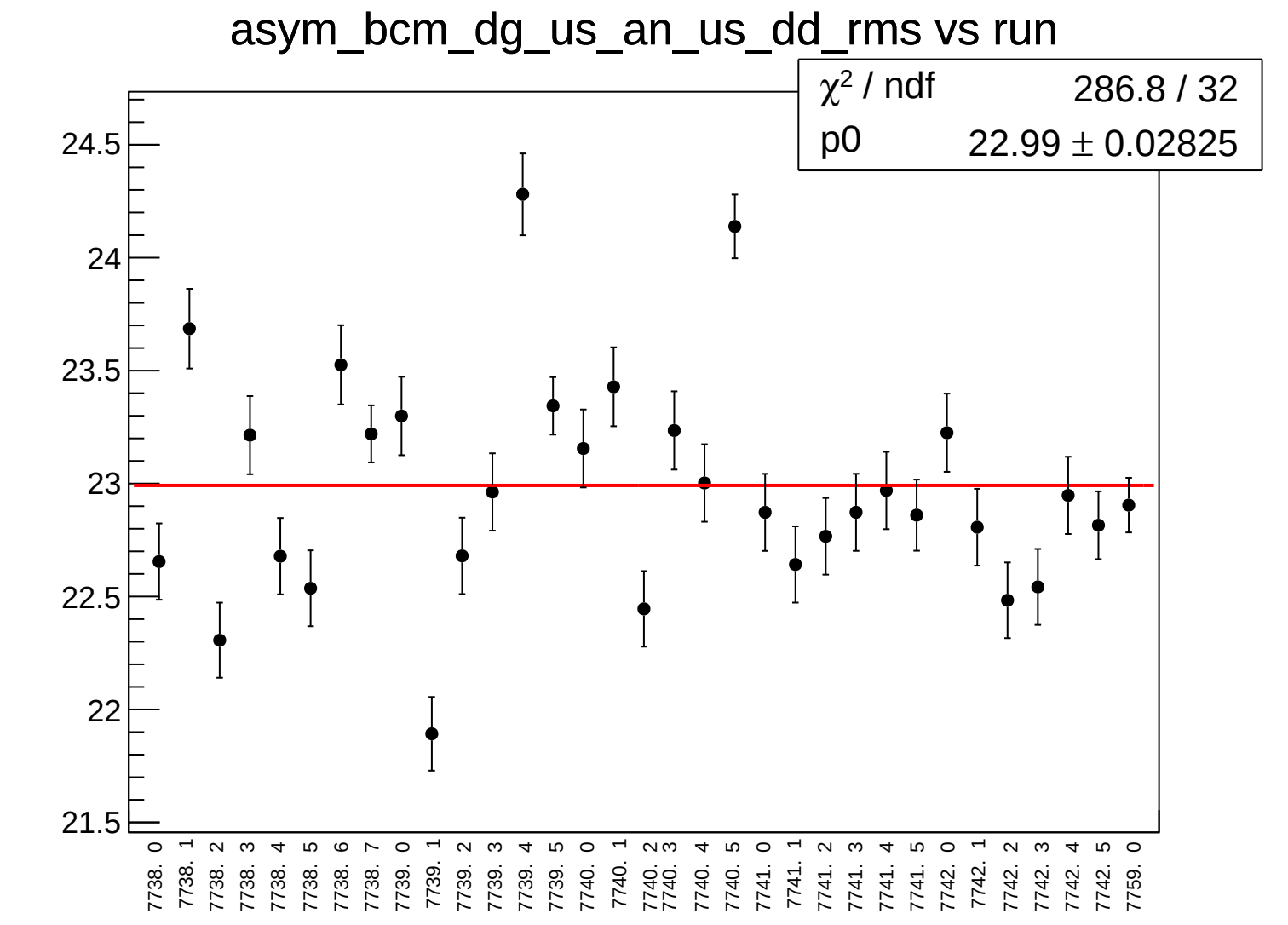

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1052 / 32
p0 29.15 ± 0.03584
32
31
30
29
28
27
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

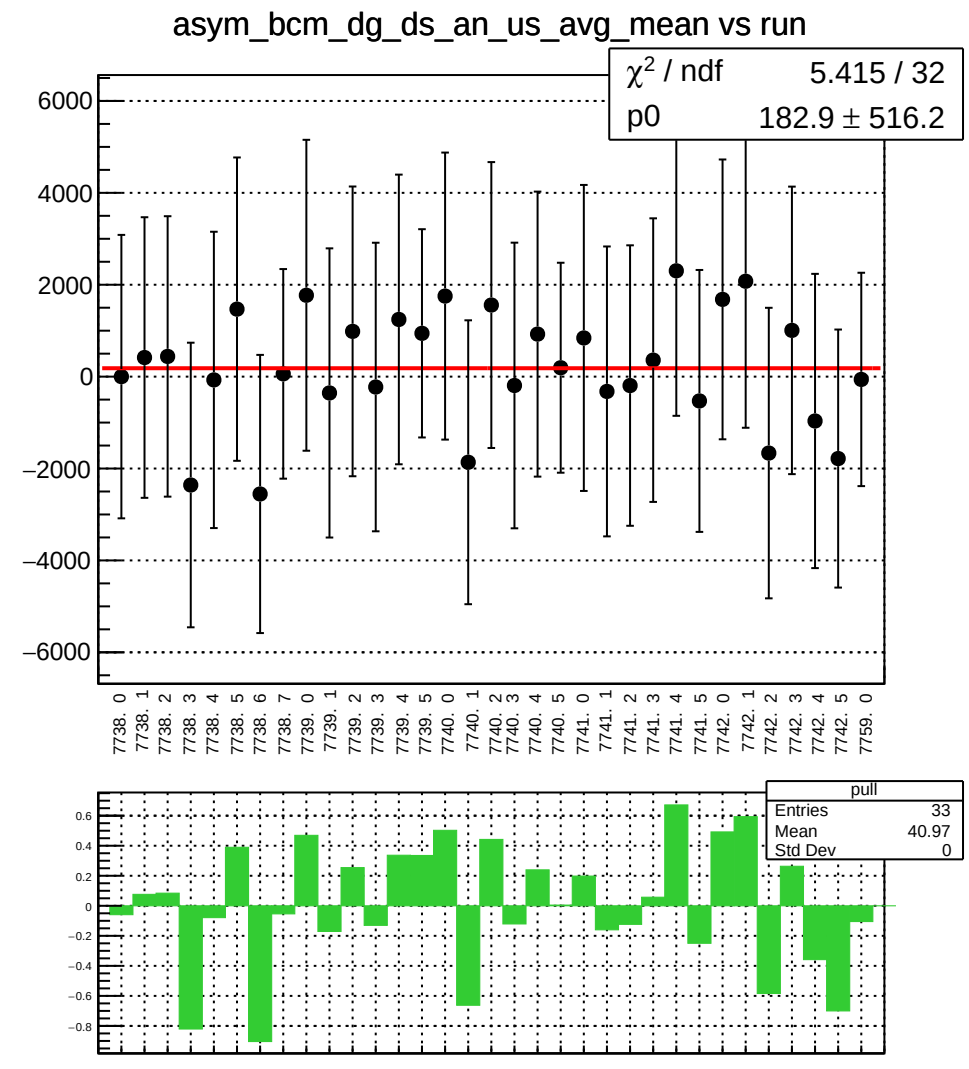

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 6.051 / 32
p0 161.4 ± 517.3
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.57
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

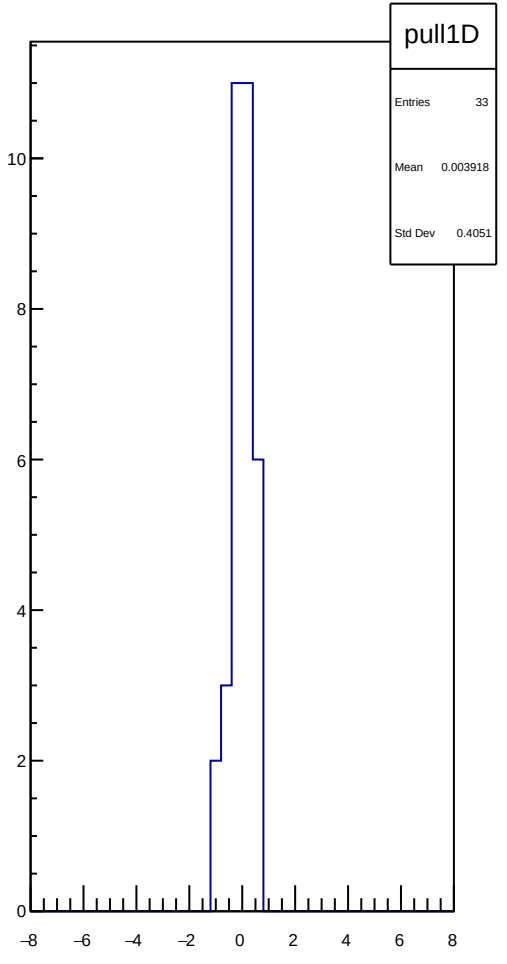

pull1D
Entries 33
Mean 0.003576
Std Dev 0.4282
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

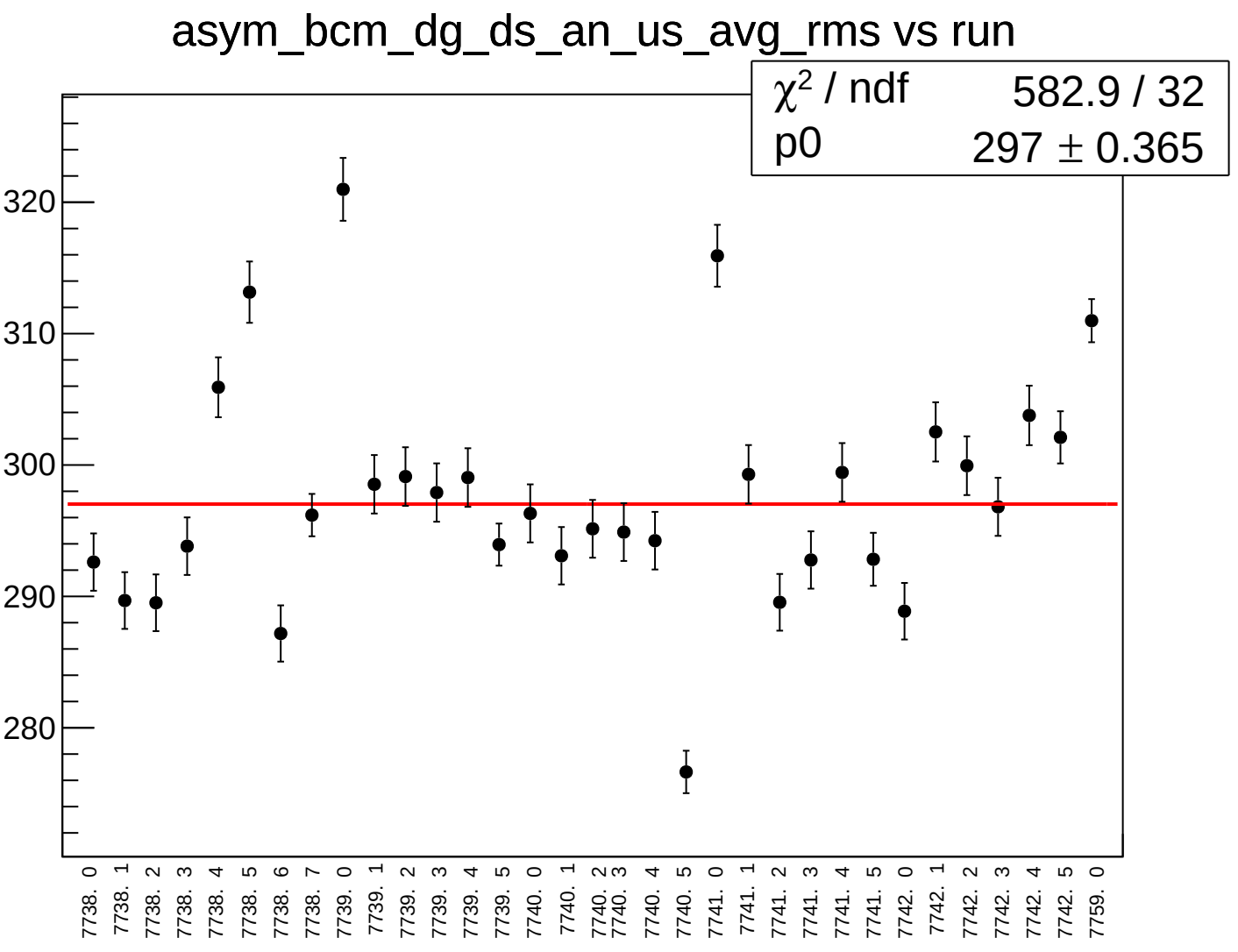

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 578.4 / 32
p0 297.7 ± 0.3658
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

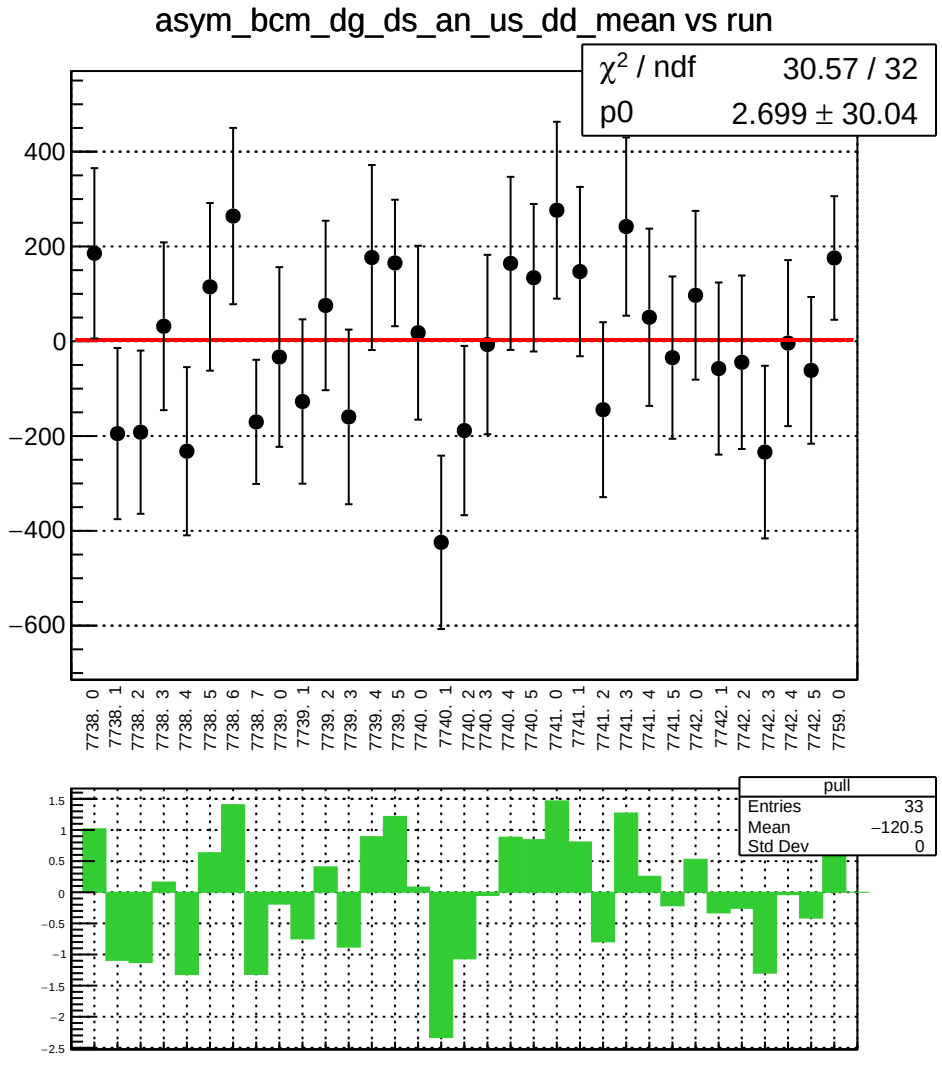

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 26.1 / 32
p0 −15.9 ± 39.95
600
400
200
0
−200
−400
−600
−800
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 48.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01688
Std Dev 0.8892
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

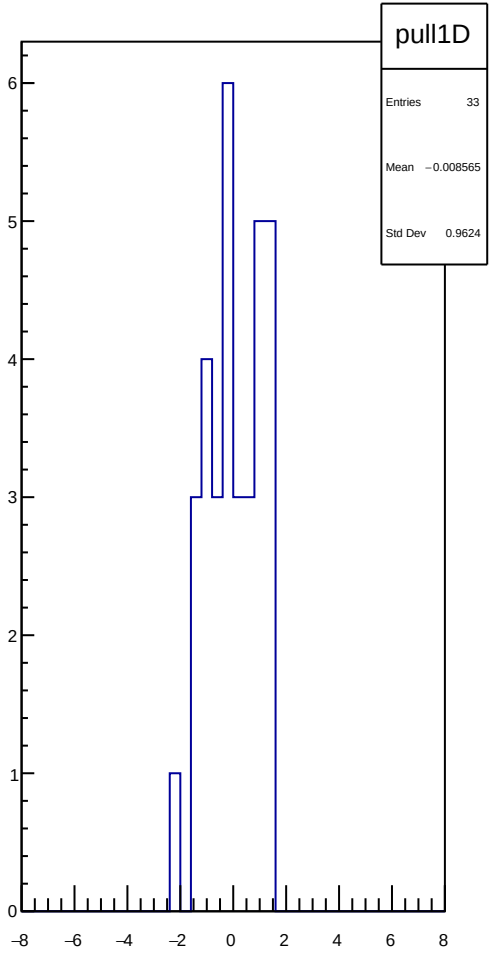

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 286.8 / 32
p0 22.99 ± 0.02825
24.5
24
23.5
23
22.5
22
21.5
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

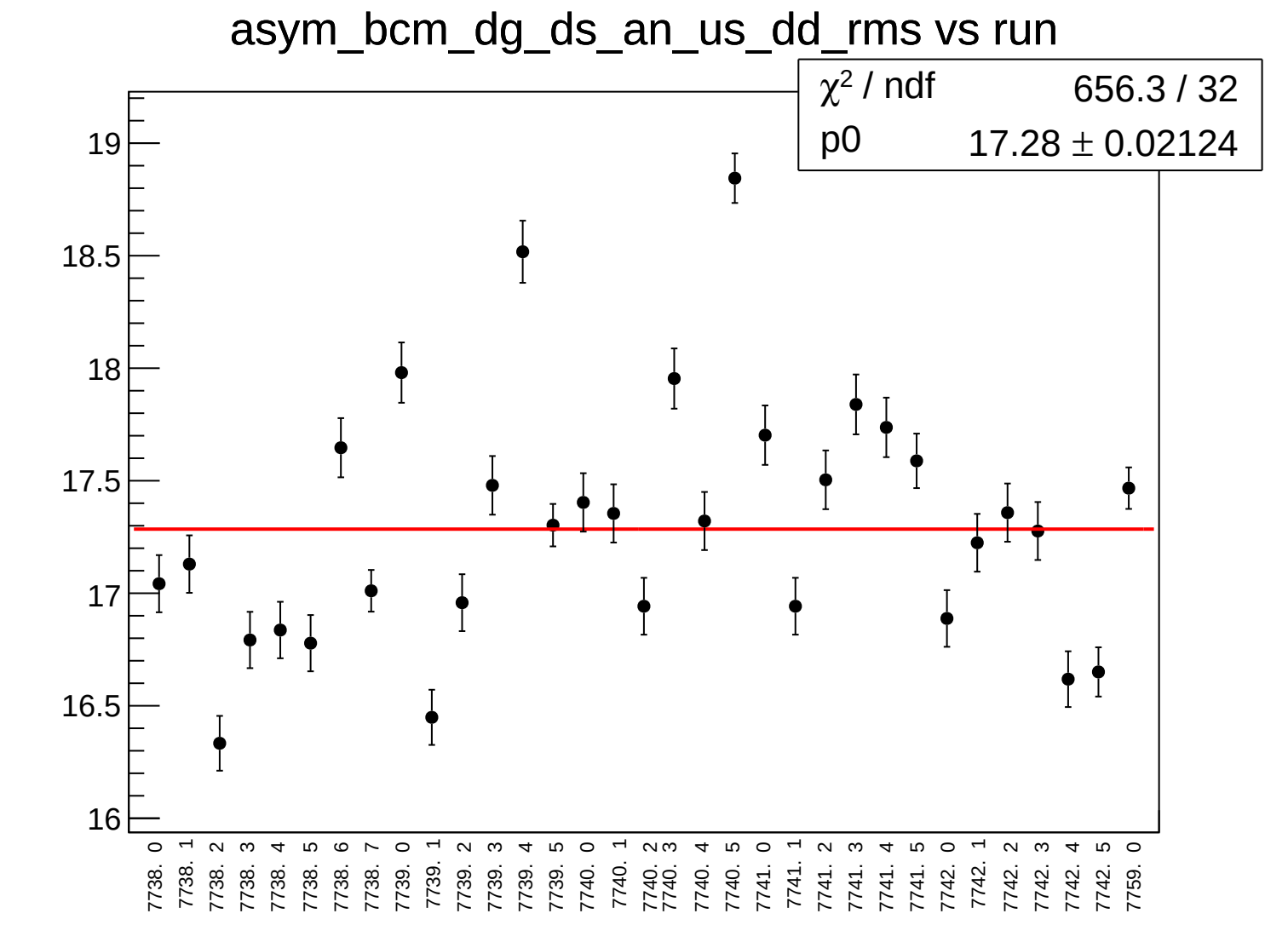

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 5.415 / 32
p0 182.9 ± 516.2
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 40.97
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

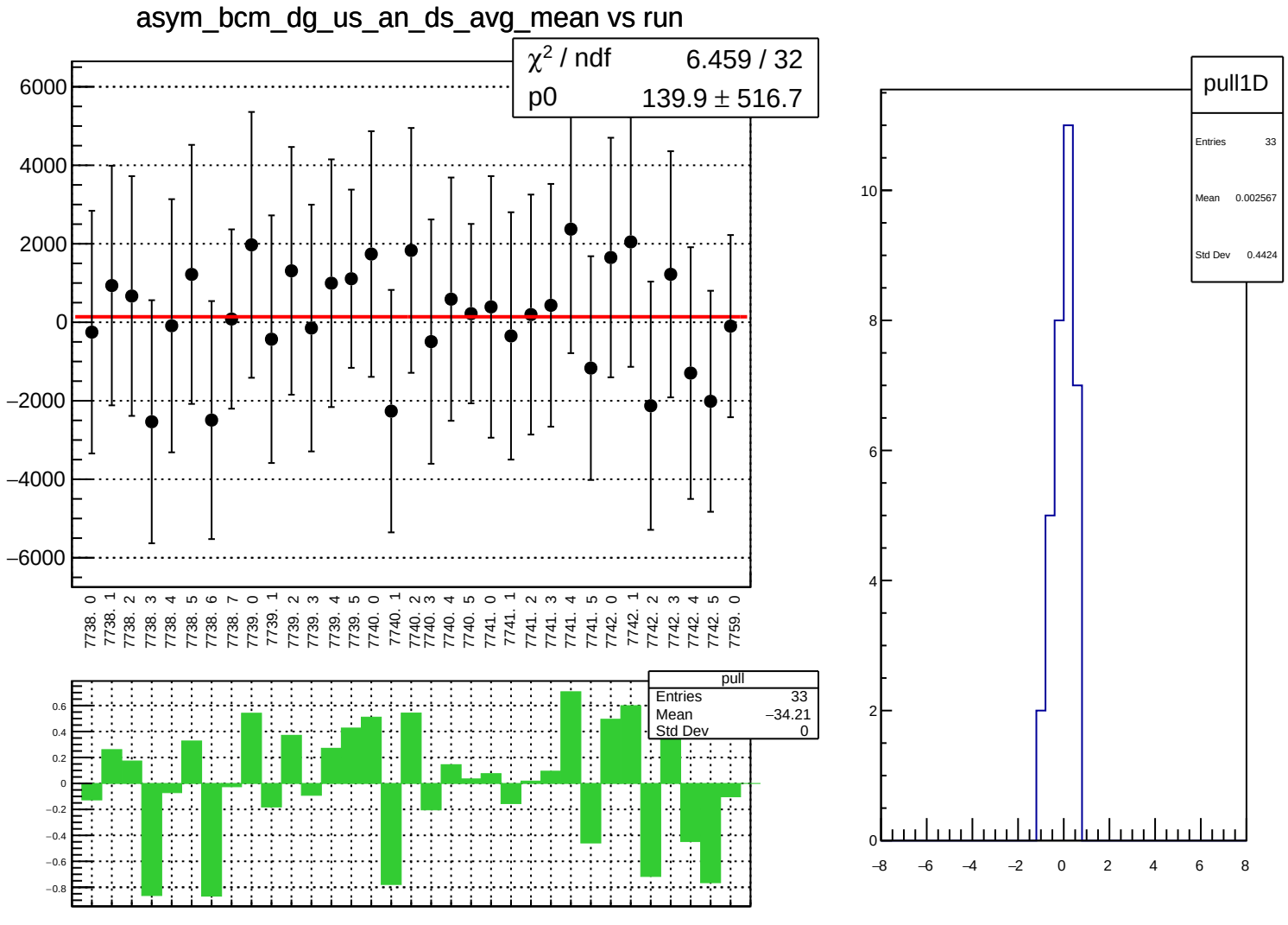

pull1D
Entries 33
Mean 0.003918
Std Dev 0.4051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

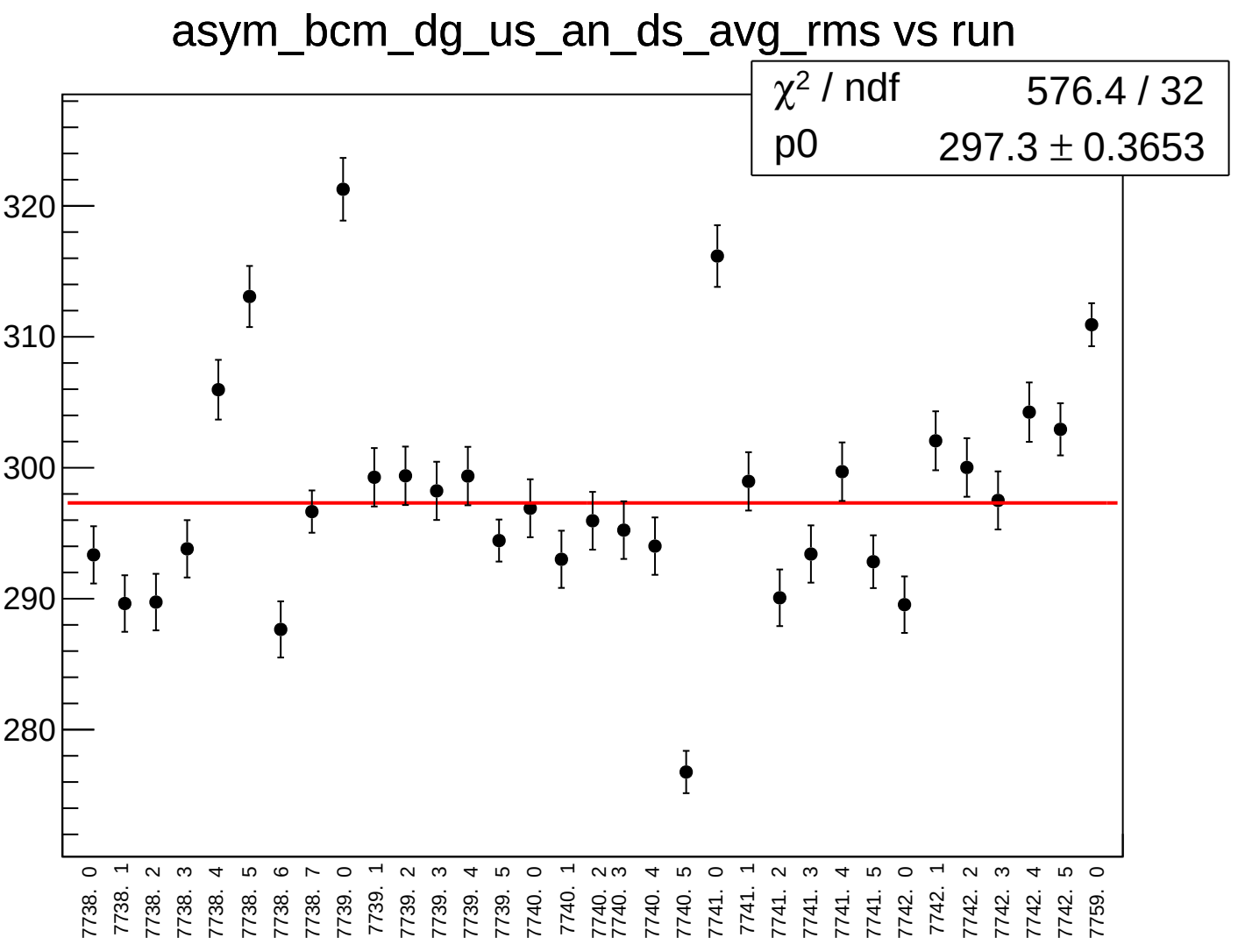

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 582.9 / 32
p0 297 ± 0.365
320
310
300
290
280
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

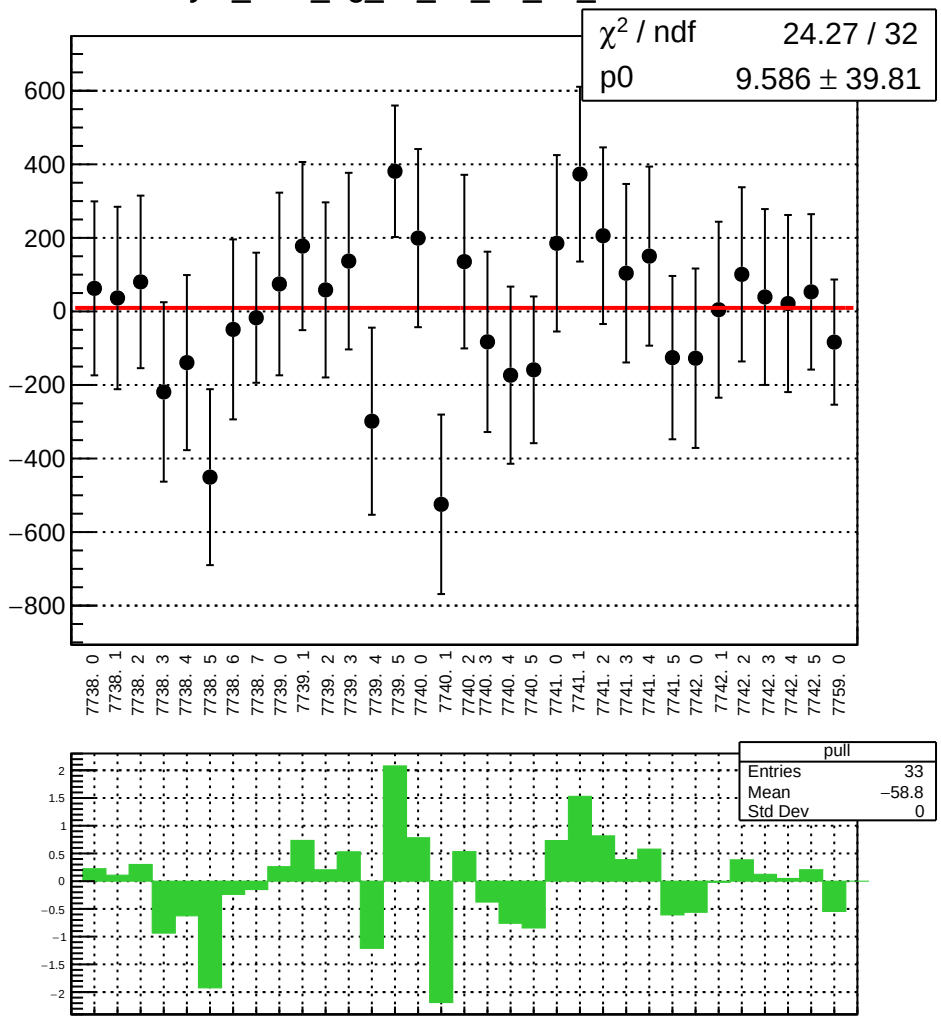

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 30.57 / 32
p0 2.699 ± 30.04
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −120.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

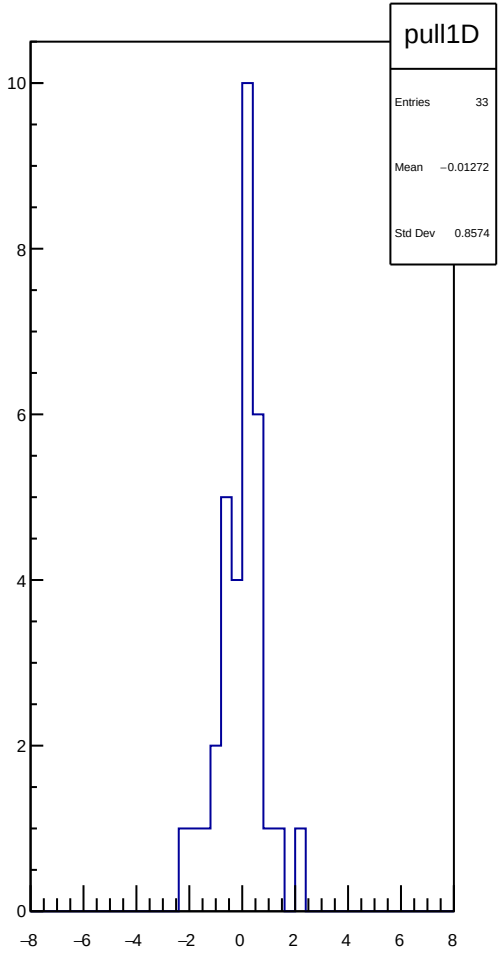

pull1D
Entries 33
Mean −0.008565
Std Dev 0.9624
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

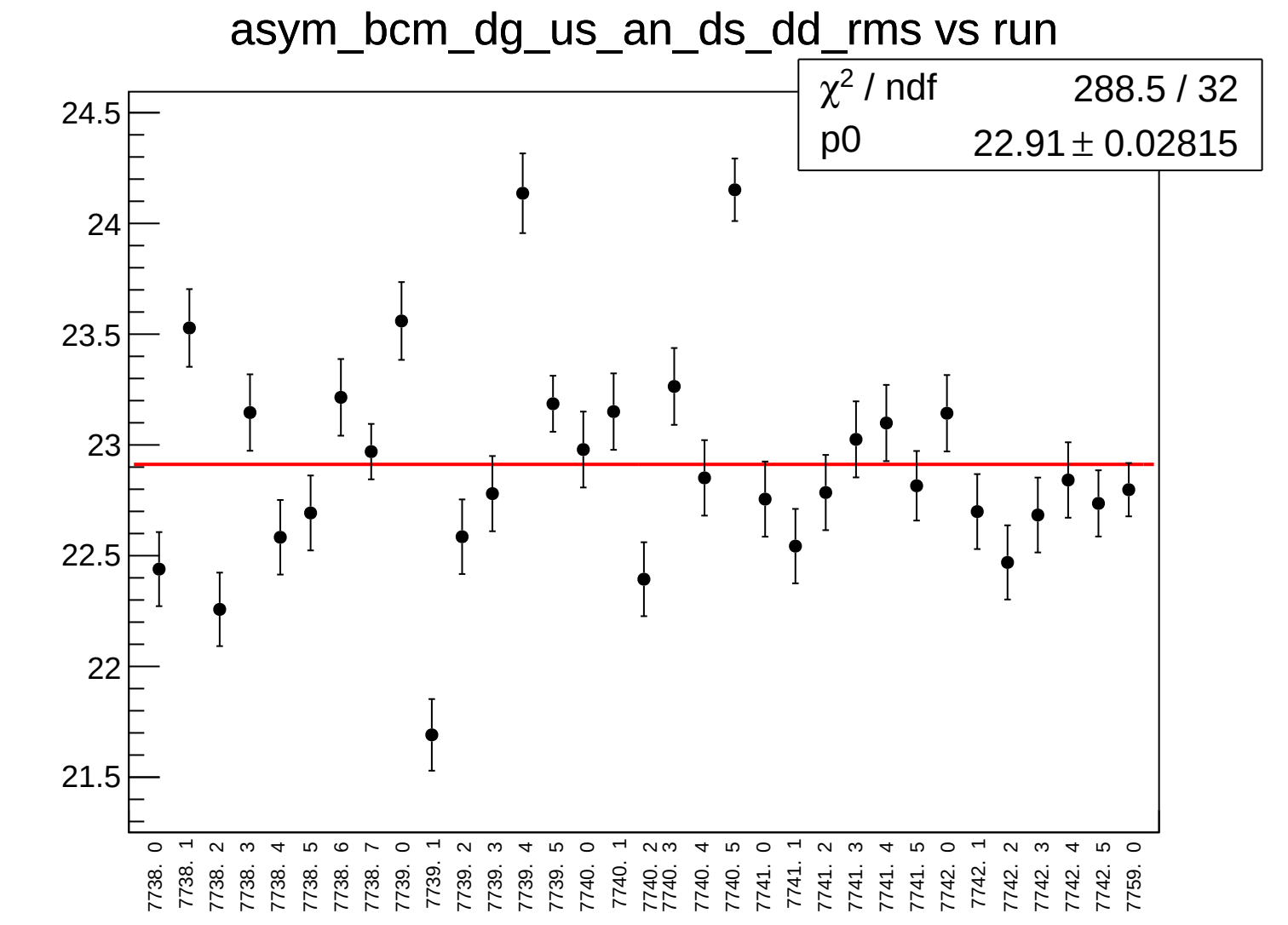

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 656.3 / 32
p0 17.28 ± 0.02124
19
18.5
18
17.5
17
16.5
16
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

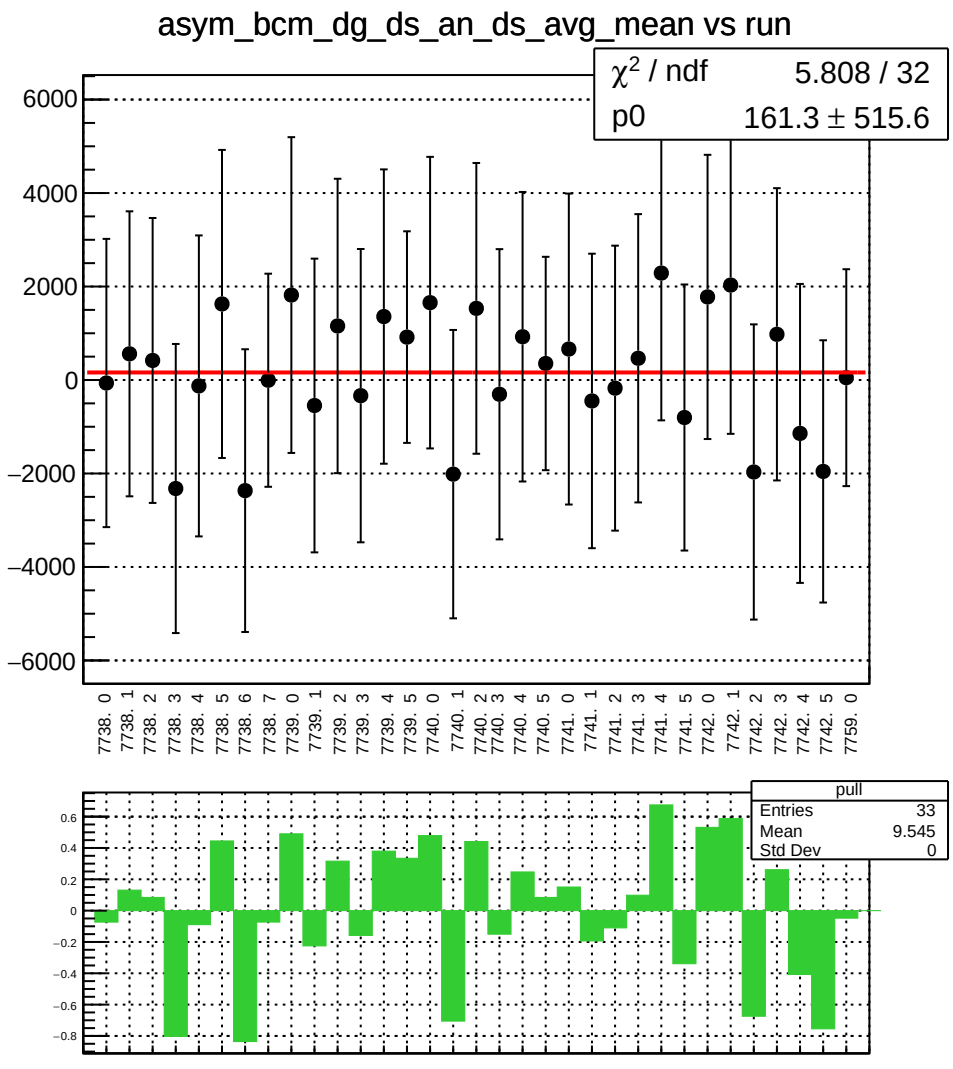

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 6.459 / 32
p0 139.9 ± 516.7
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −34.21
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.002567
Std Dev 0.4424
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

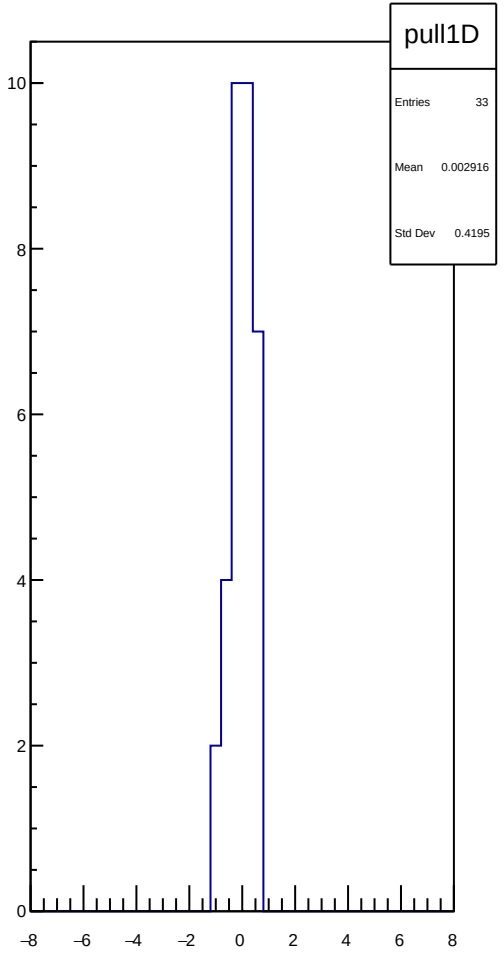

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 576.4 / 32
p0 297.3 ± 0.3653
320
310
300
290
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

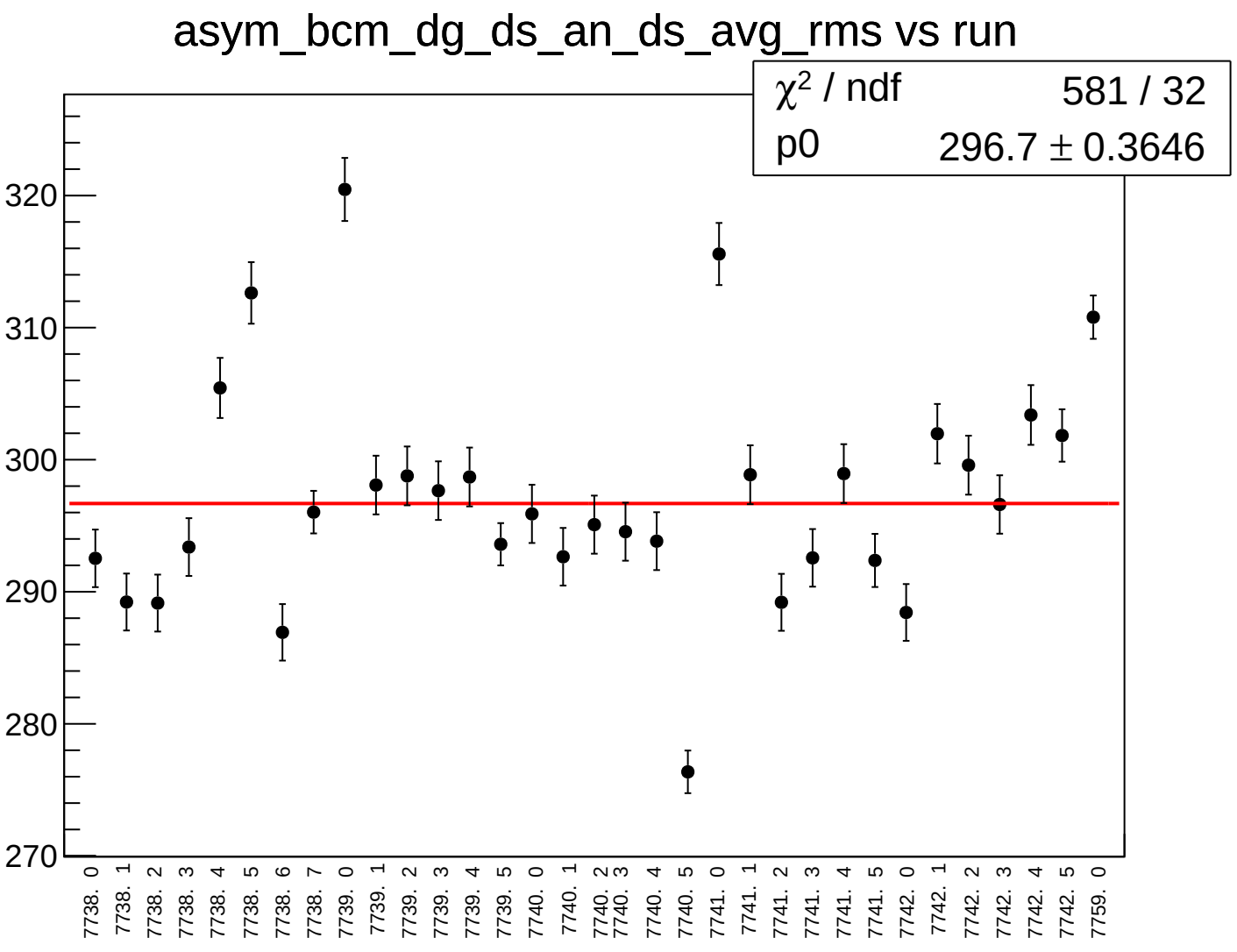

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 24.27 / 32
p0 9.586 ± 39.81
600
400
200
0
−200
−400
−600
−800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −58.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

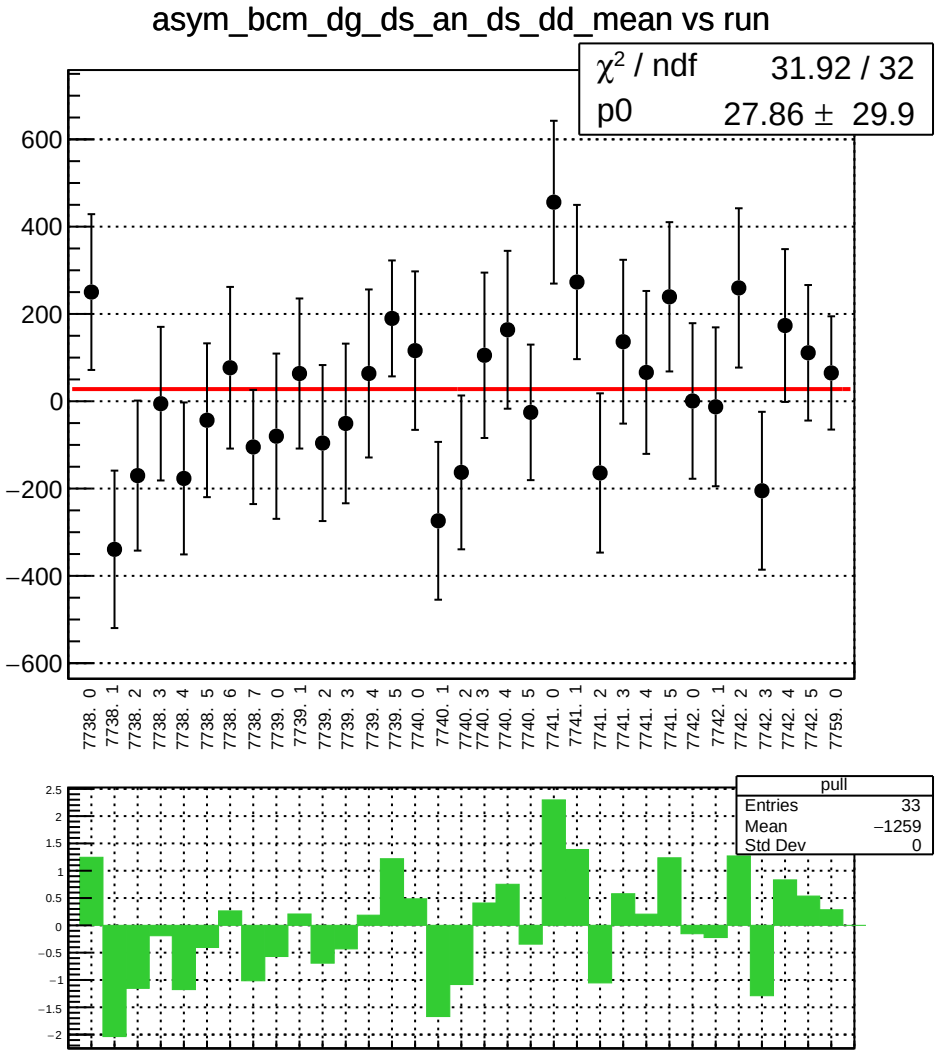

pull1D
Entries 33
Mean −0.01272
Std Dev 0.8574
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

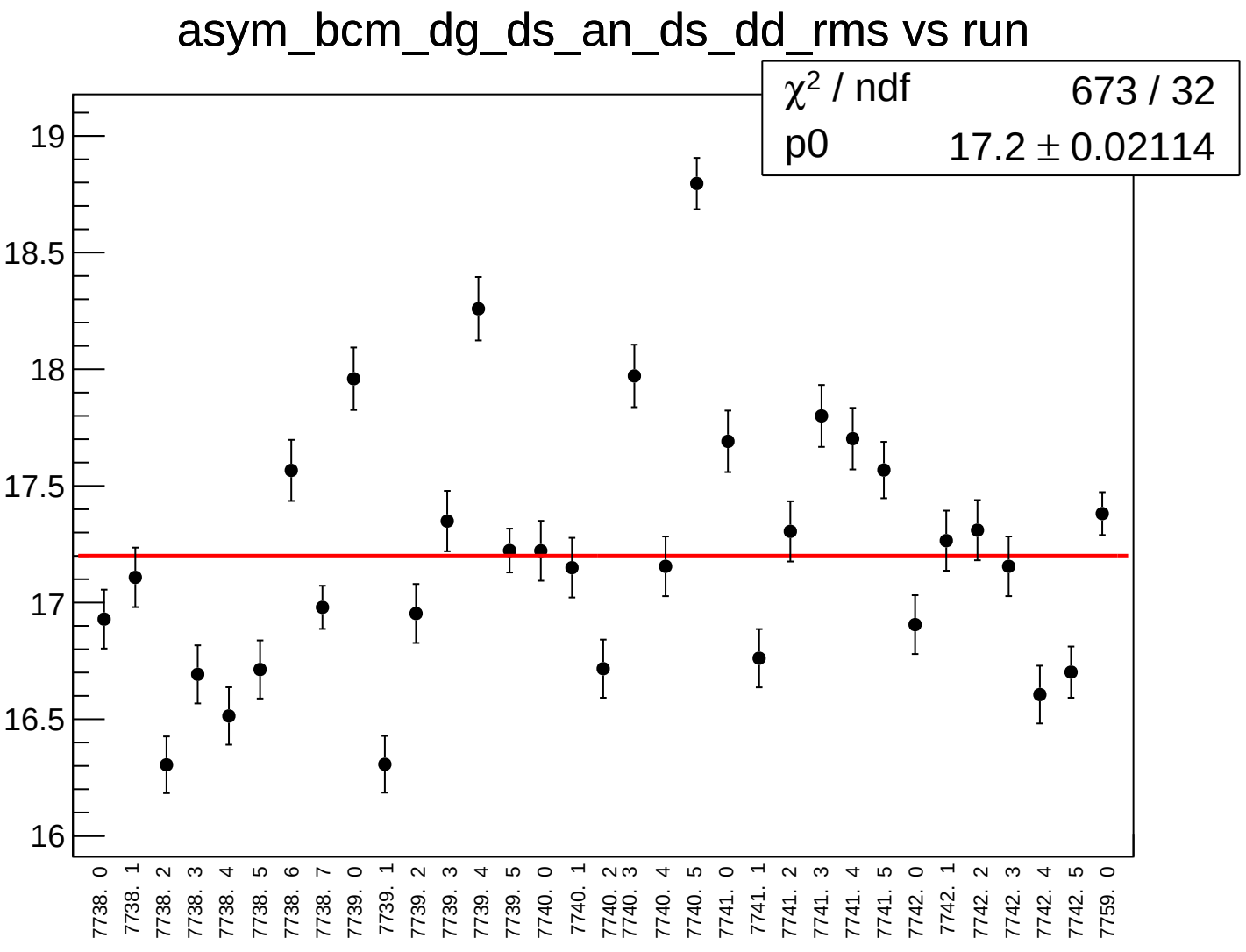

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 288.5 / 32
p0 22.91 ± 0.02815
24.5
24
23.5
23
22.5
22
21.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

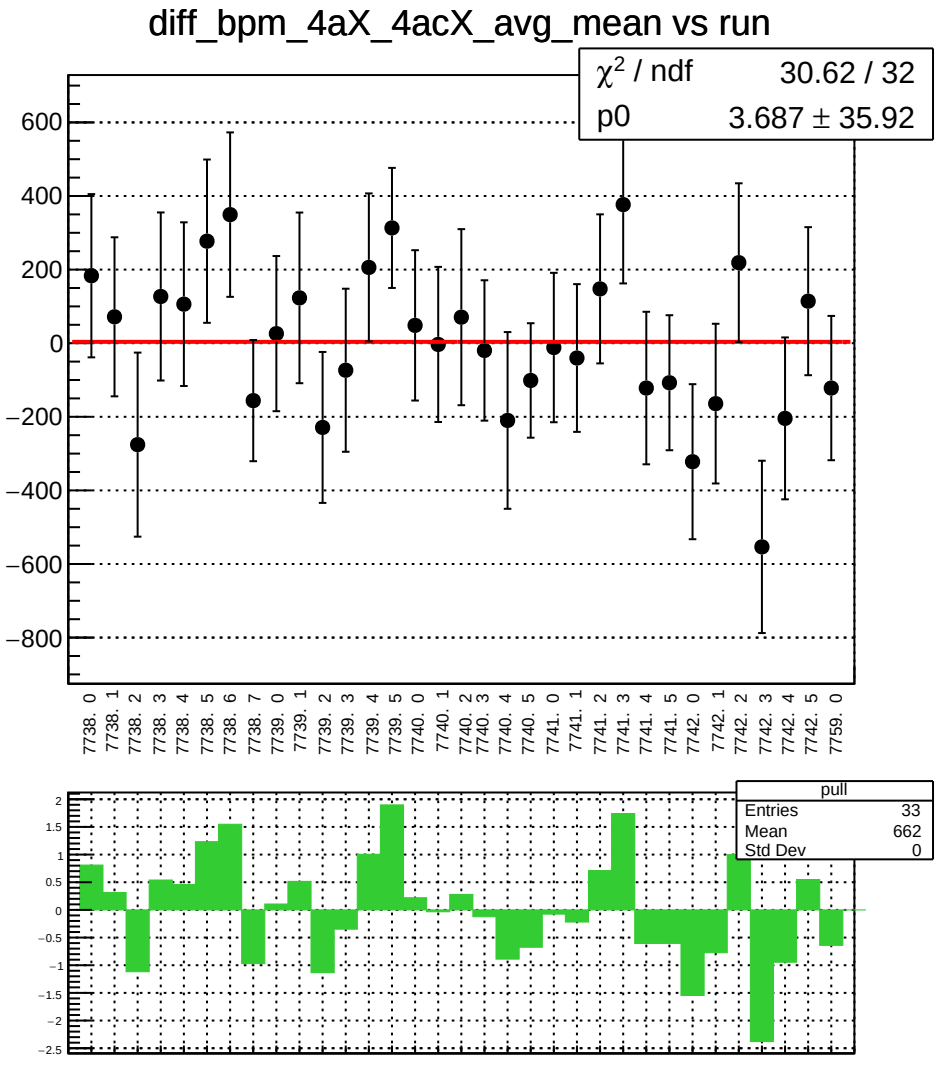

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 5.808 / 32
p0 161.3 ± 515.6
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.545
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

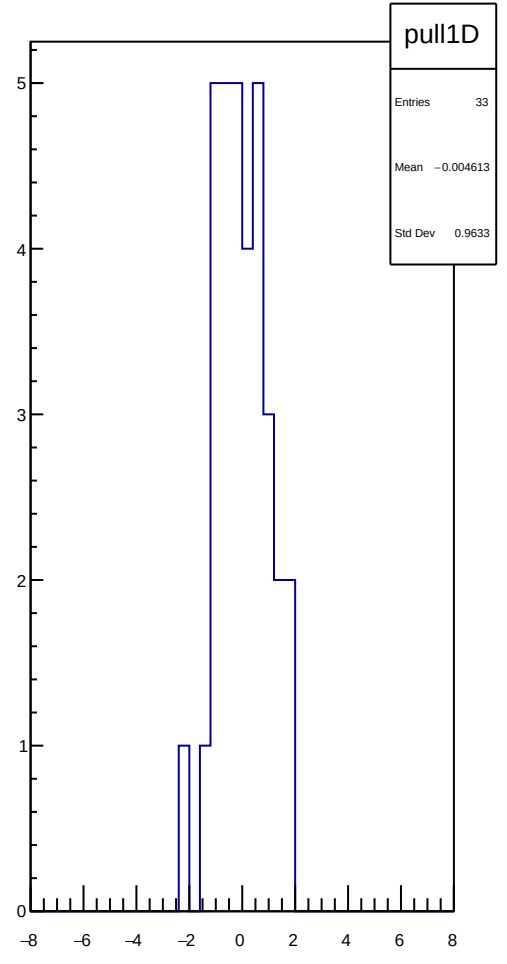

pull1D
Entries 33
Mean 0.002916
Std Dev 0.4195
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

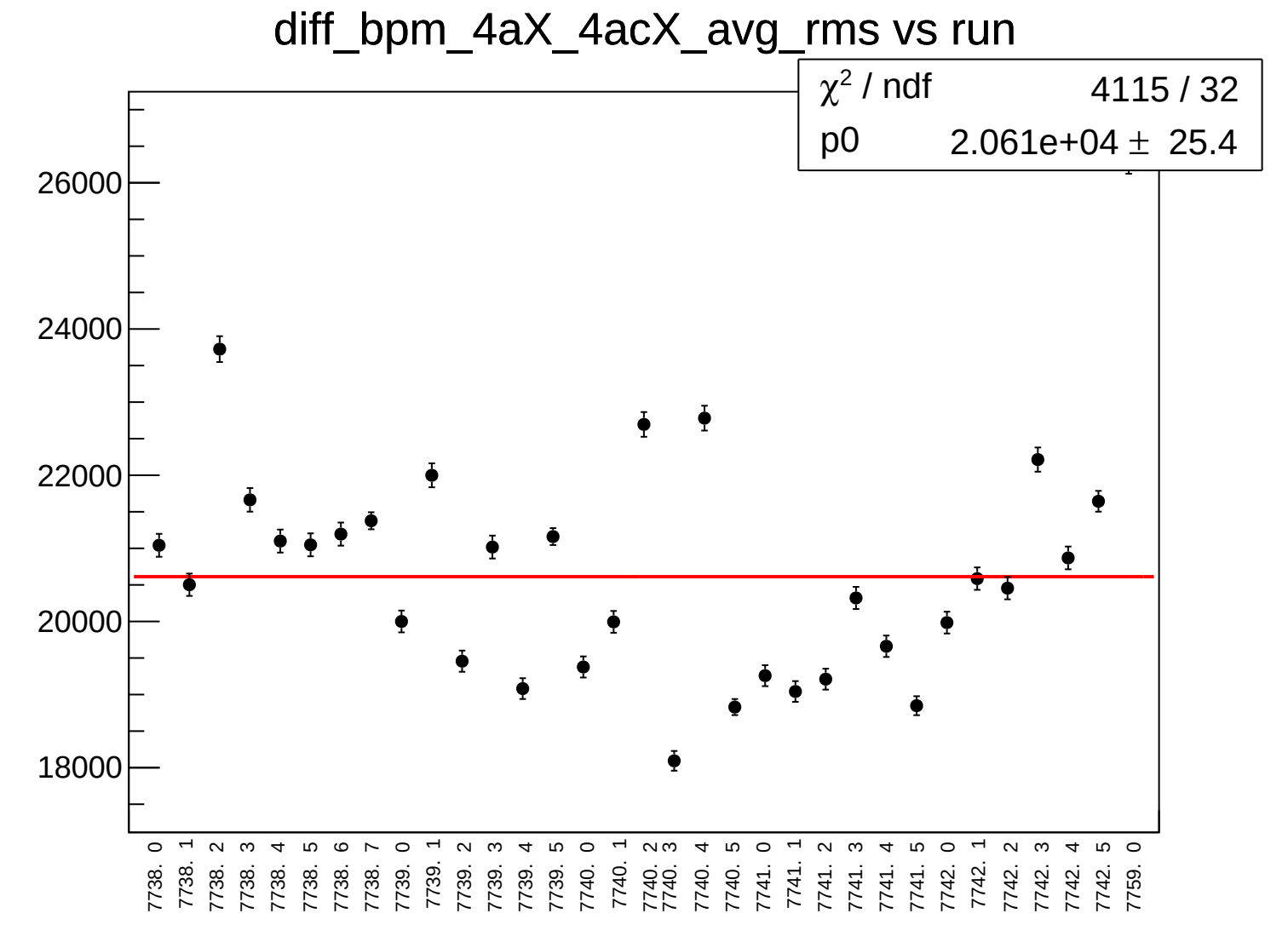

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 581 / 32
p0 296.7 ± 0.3646
320
310
300
290
280
270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

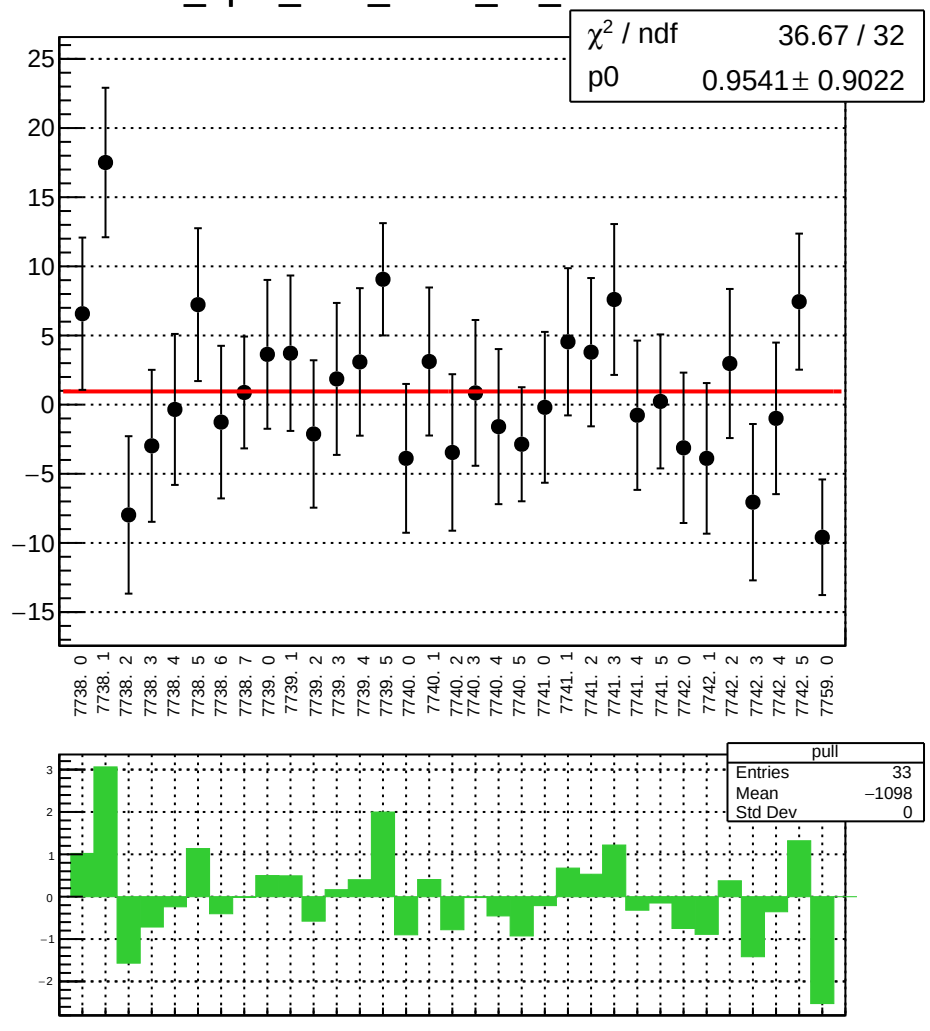

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 31.92 / 32
p0 27.86 ± 29.9
600
400
200
0
−200
−400
−600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1259
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.002524
Std Dev 0.9836
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

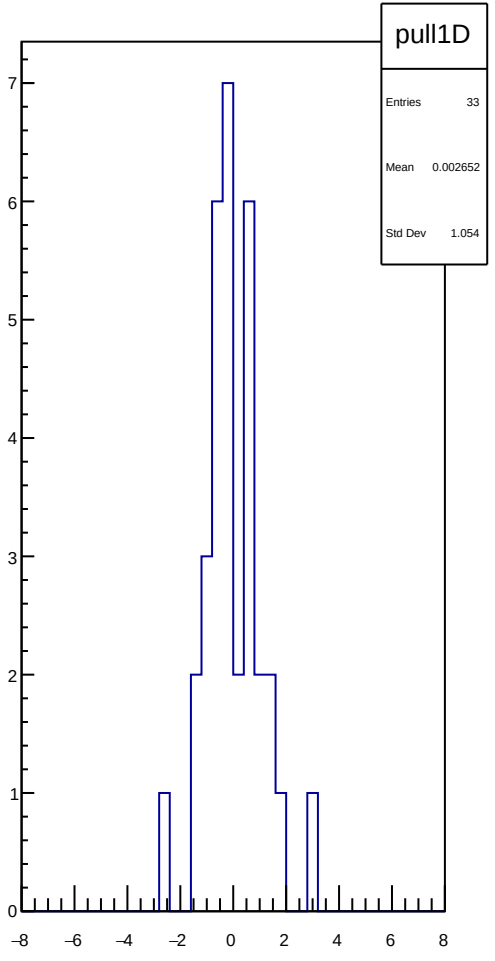

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 673 / 32
p0 17.2 ± 0.02114
19
18.5
18
17.5
17
16.5
16
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

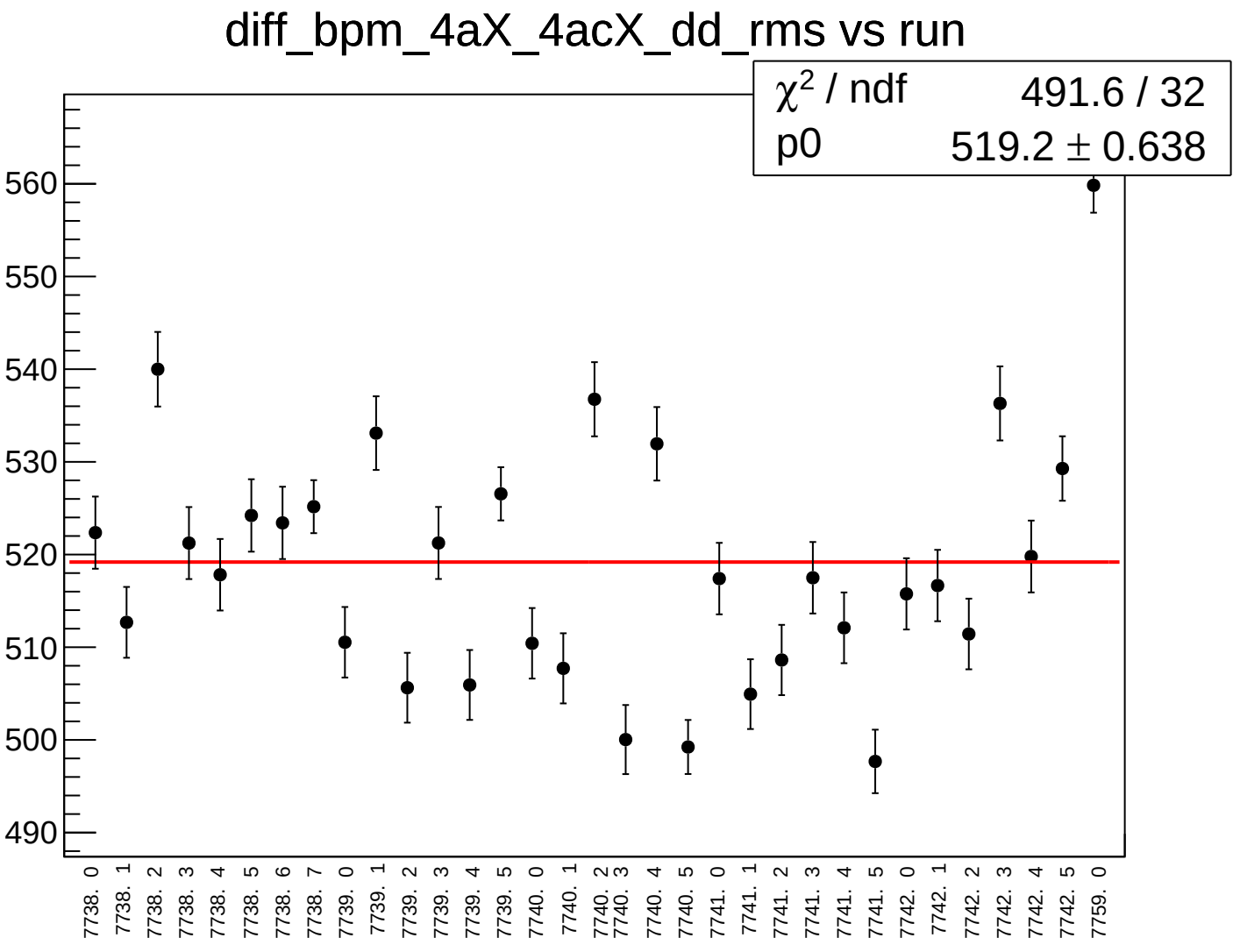

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 30.62 / 32
p0 3.687 ± 35.92
600
400
200
0
−200
−400
−600
−800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 662
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

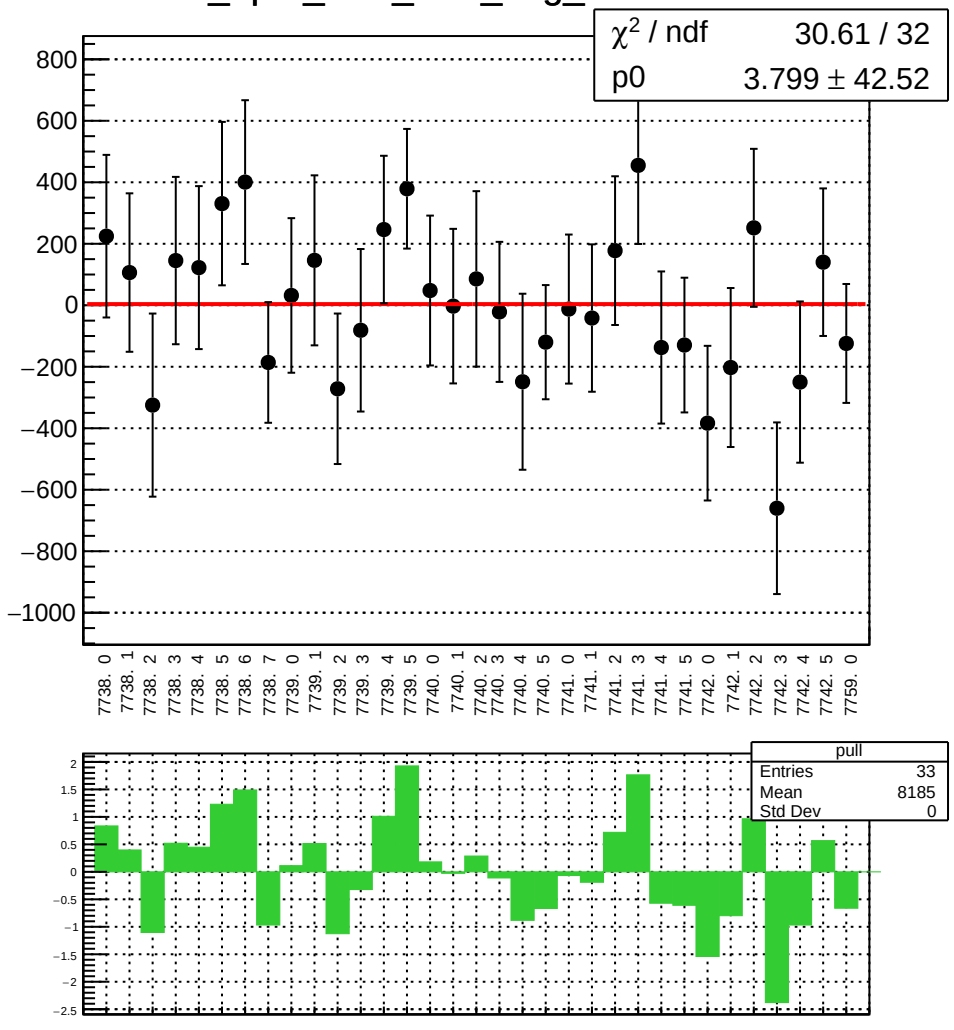

pull1D
Entries 33
Mean −0.004613
Std Dev 0.9633
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

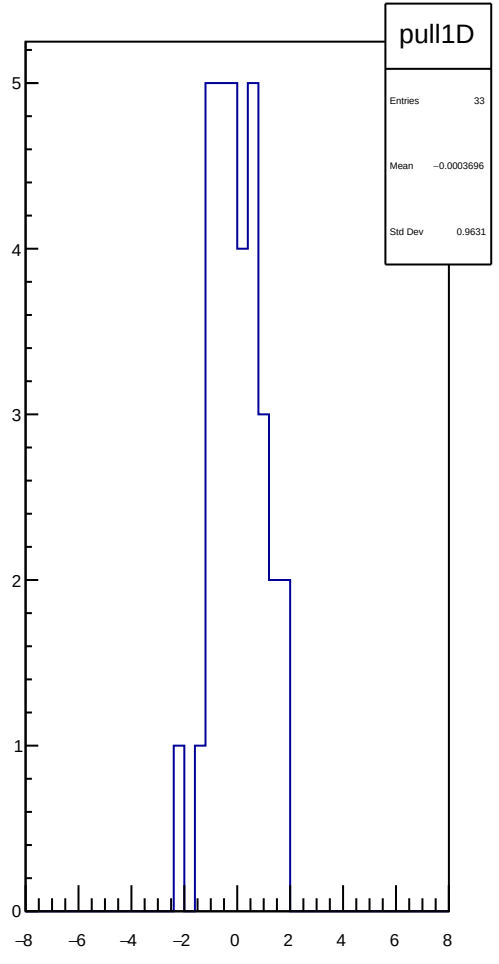

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 4115 / 32
p0 2.061e+04 ± 25.4
26000
24000
22000
20000
18000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

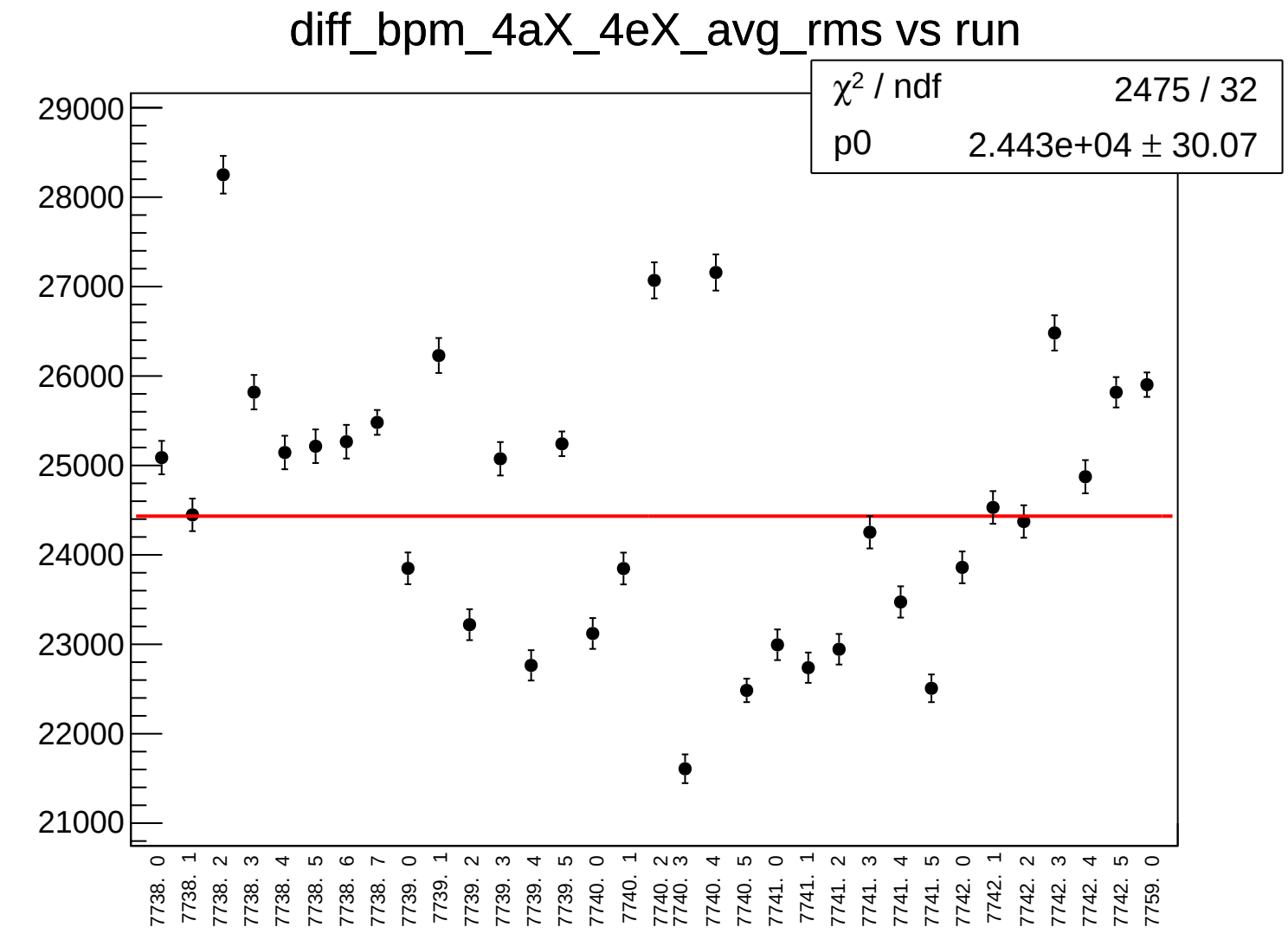

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 36.67 / 32
p0 0.9541 ± 0.9022
pull
Entries 33
Mean −1098
Std Dev 0

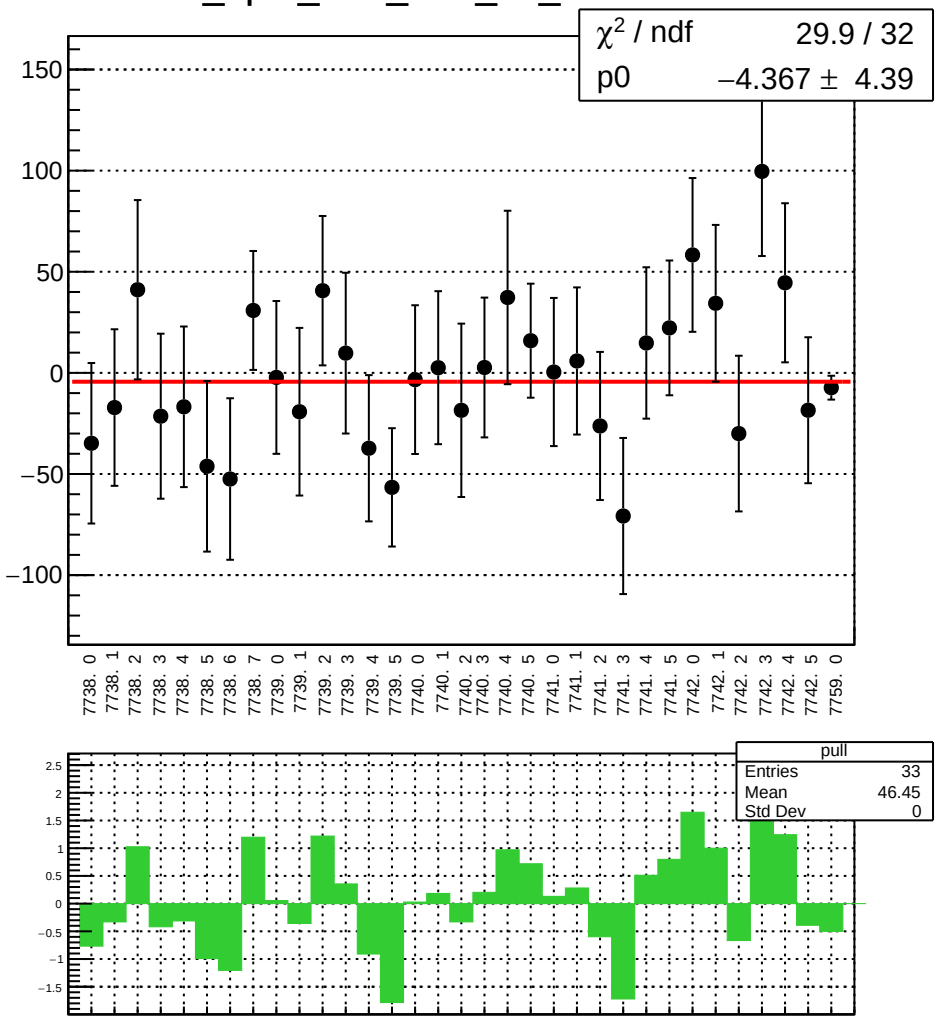

pull1D
Entries 33
Mean 0.002652
Std Dev 1.054

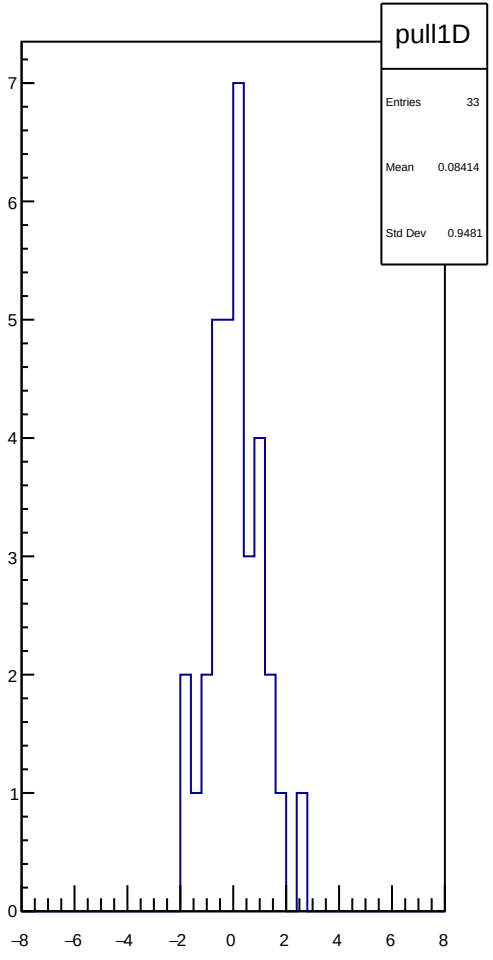

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 491.6 / 32
p0 519.2 ± 0.638
560
550
540
530
520
510
500
490
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

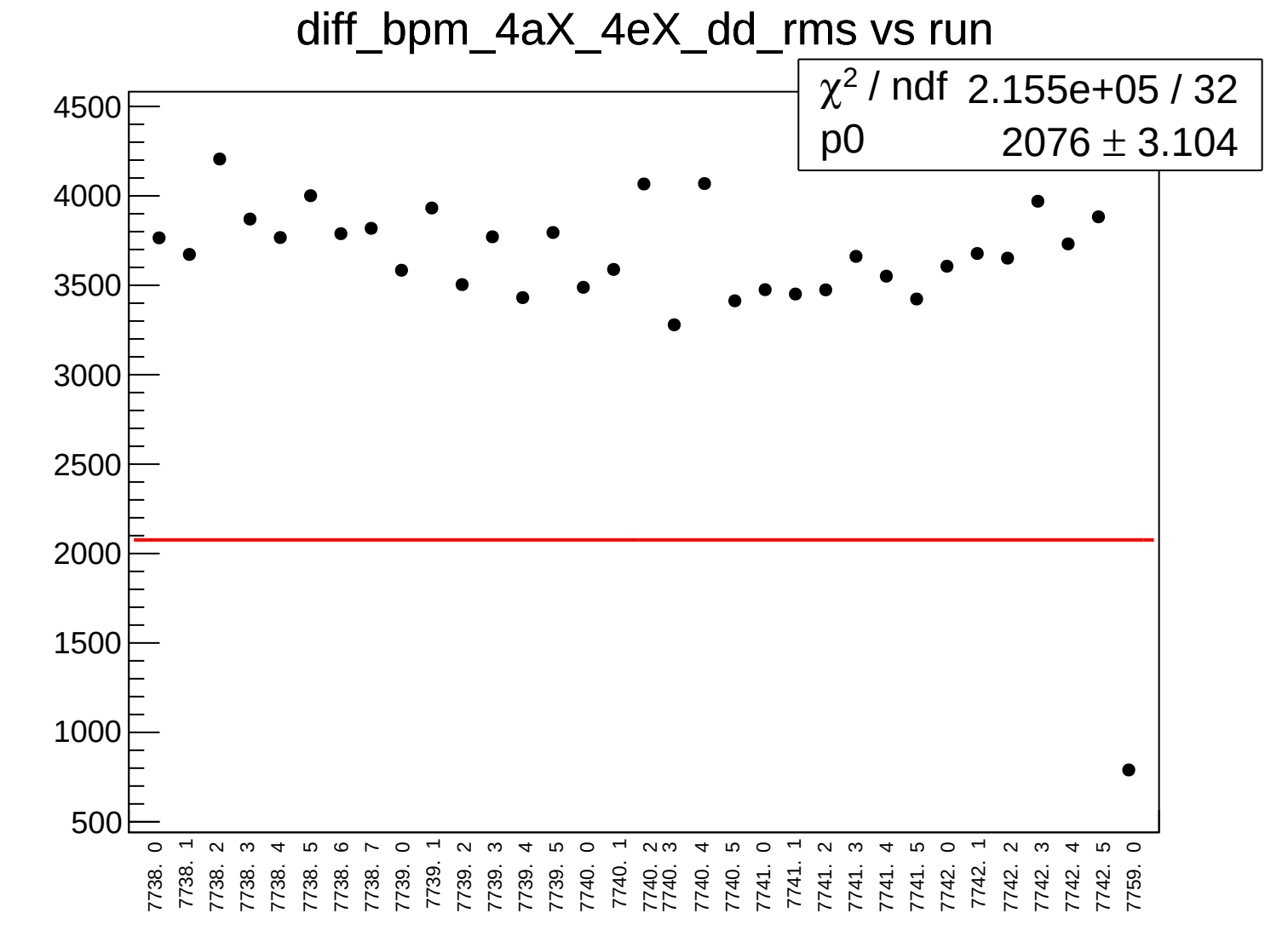

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 30.61 / 32
p0 3.799 ± 42.52
pull
Entries 33
Mean 8185
Std Dev 0

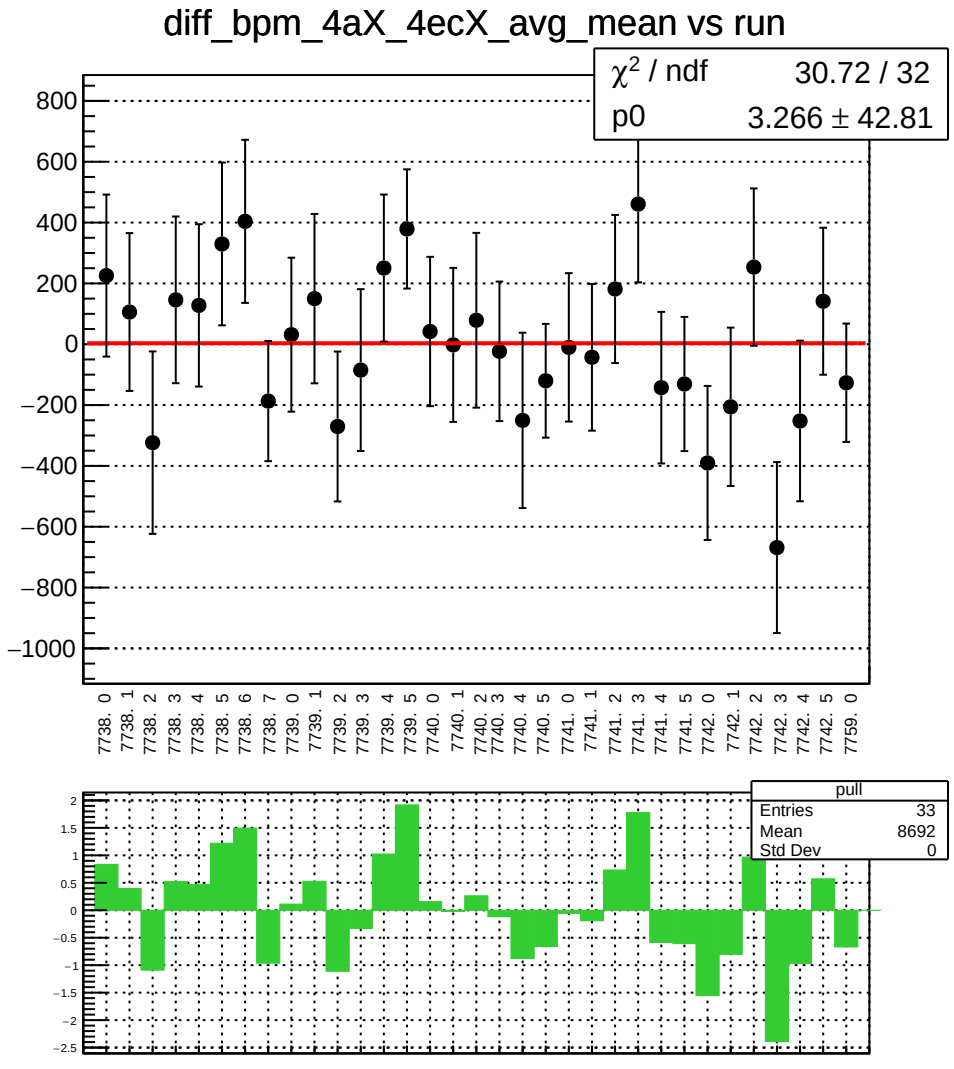

pull1D
Entries 33
Mean −0.0003696
Std Dev 0.9631

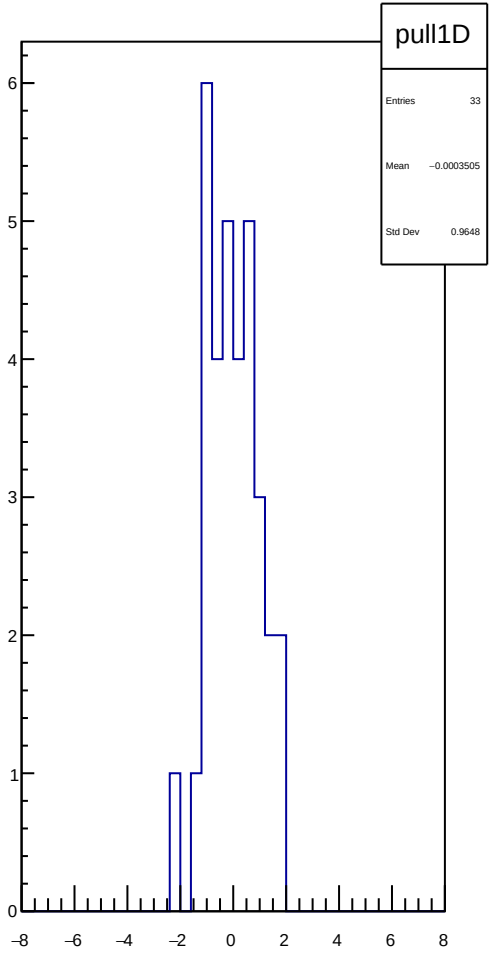

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 2475 / 32
p0 2.443e+04 ± 30.07
29000
28000
27000
26000
25000
24000
23000
22000
21000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

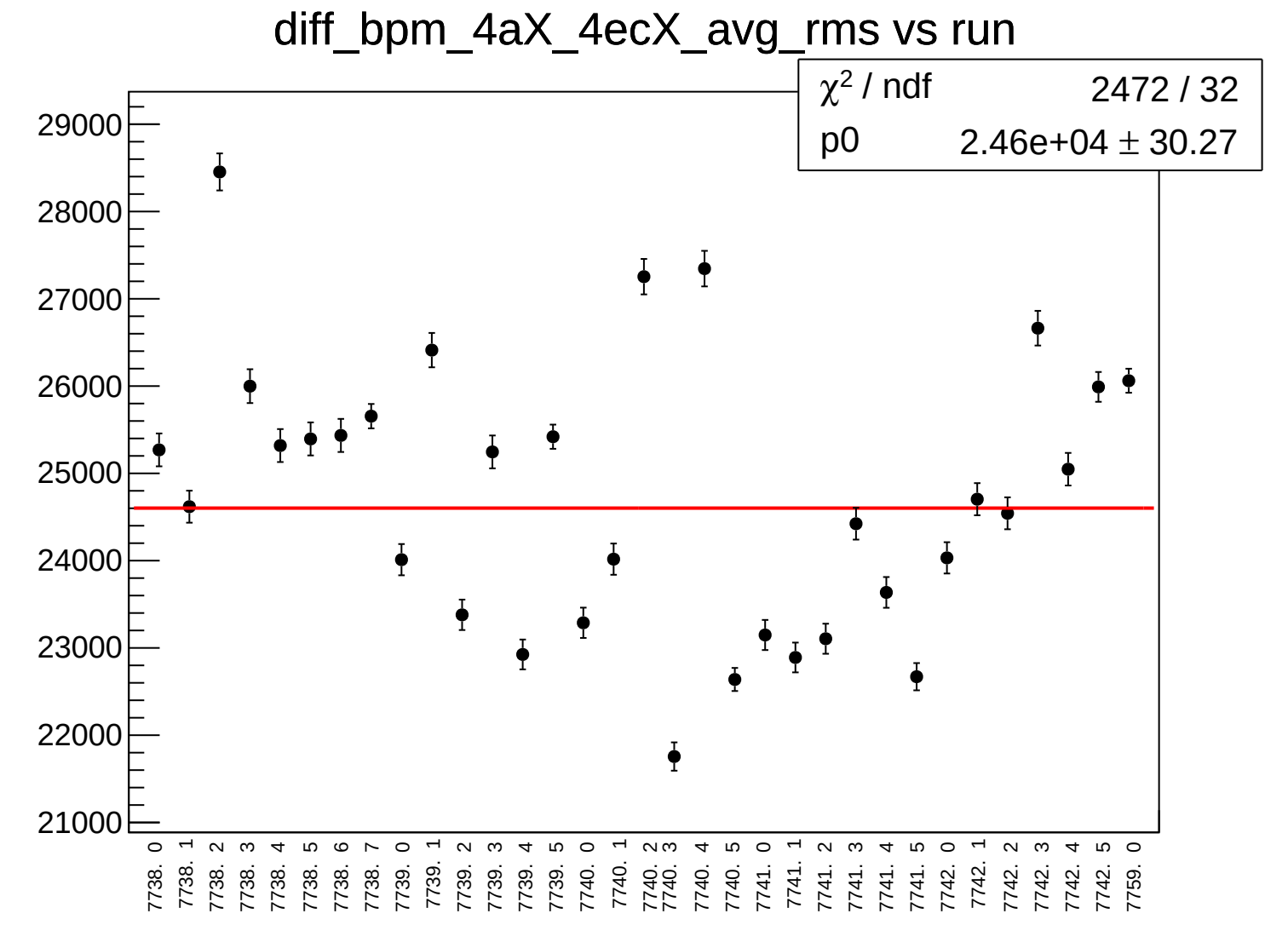

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 29.9 / 32
p0 −4.367 ± 4.39
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 46.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

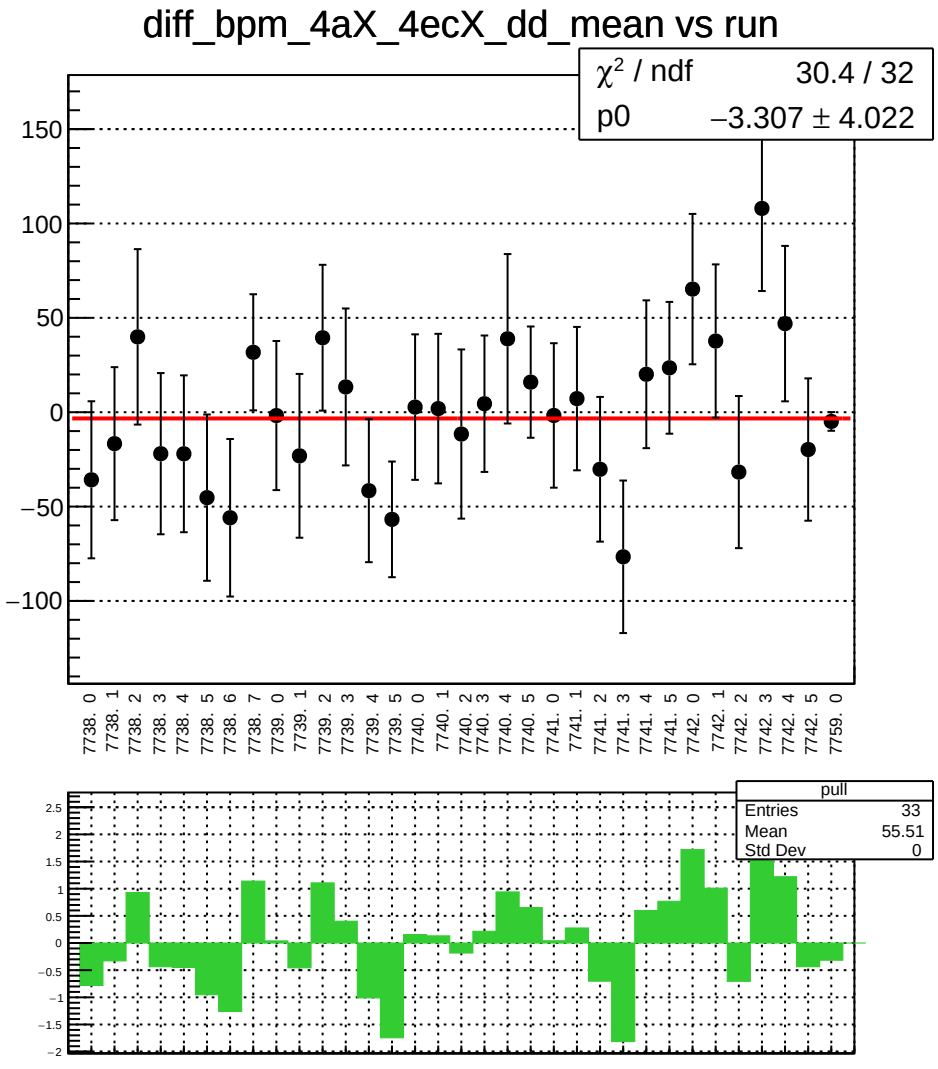

pull1D
Entries 33
Mean 0.08414
Std Dev 0.9481
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

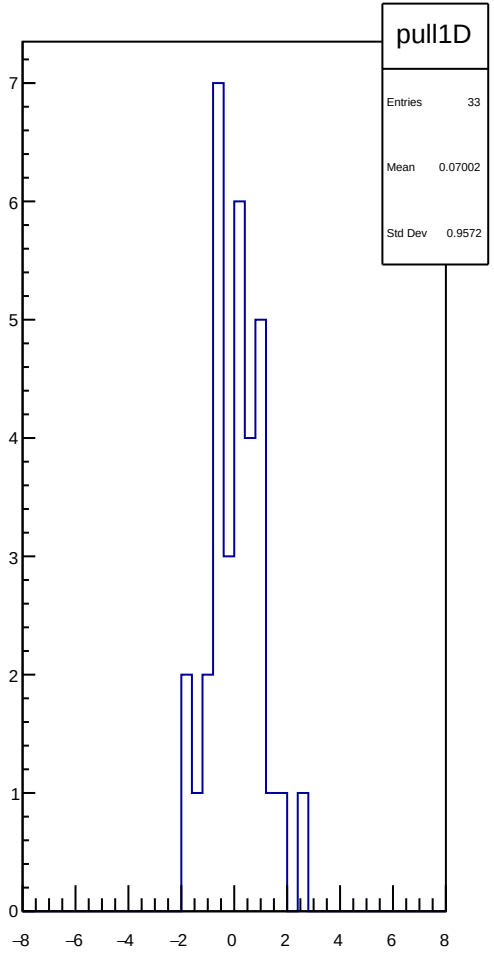

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2.155e+05 / 32
p0 2076 ± 3.104
4500
4000
3500
3000
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

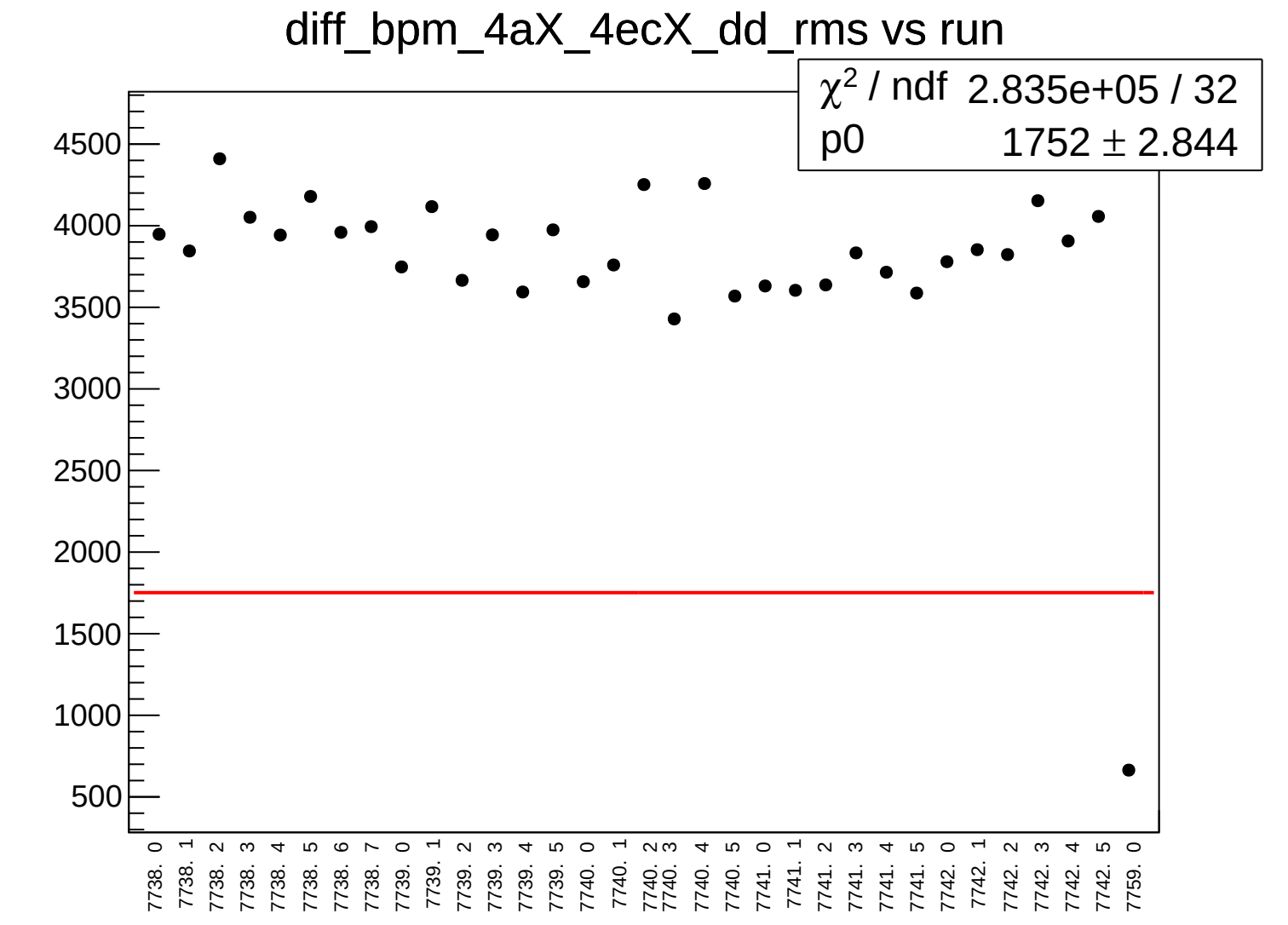

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 30.72 / 32
p0 3.266 ± 42.81
800
600
400
200
0
−200
−400
−600
−800
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8692
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

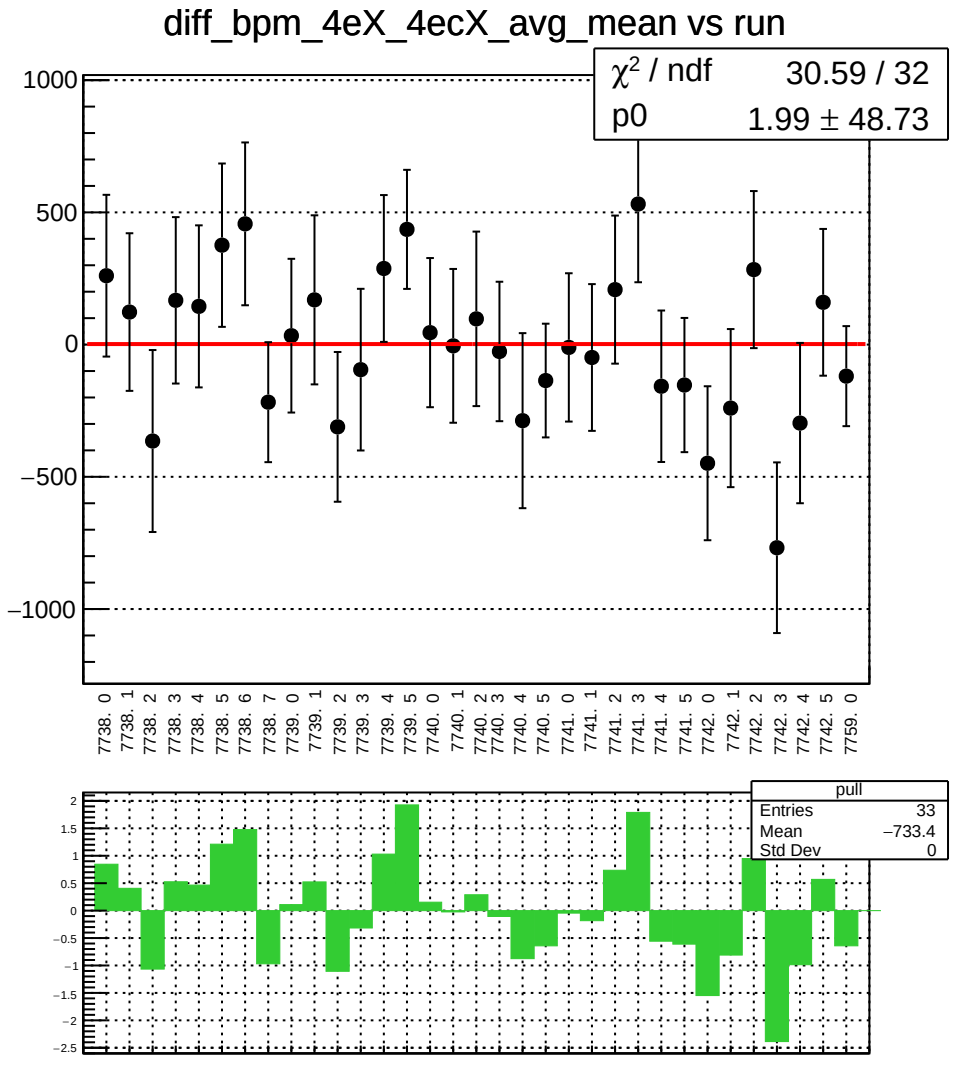

pull1D
Entries 33
Mean −0.0003505
Std Dev 0.9648
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

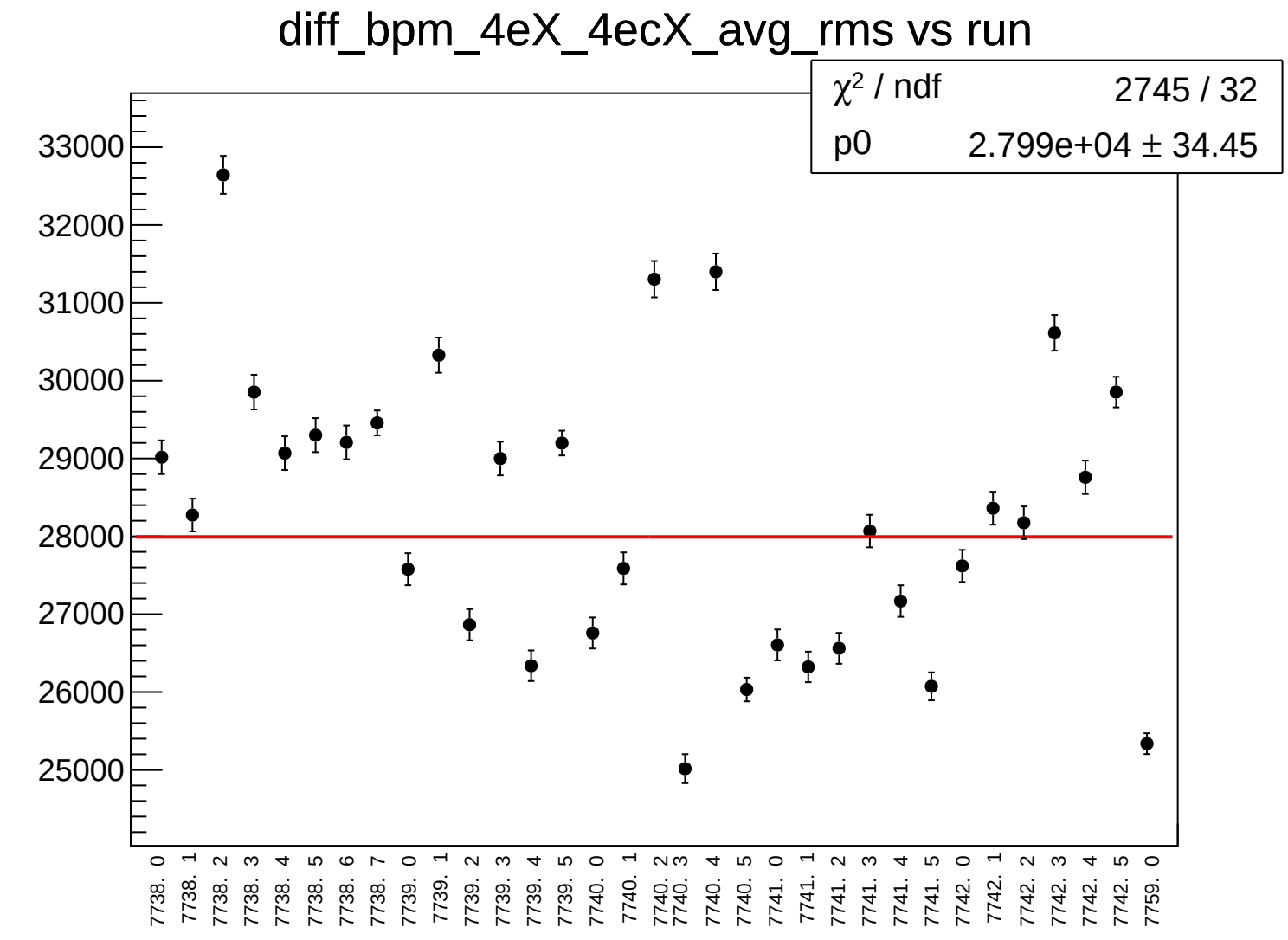

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 2472 / 32
p0 2.46e+04 ± 30.27
29000
28000
27000
26000
25000
24000
23000
22000
21000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

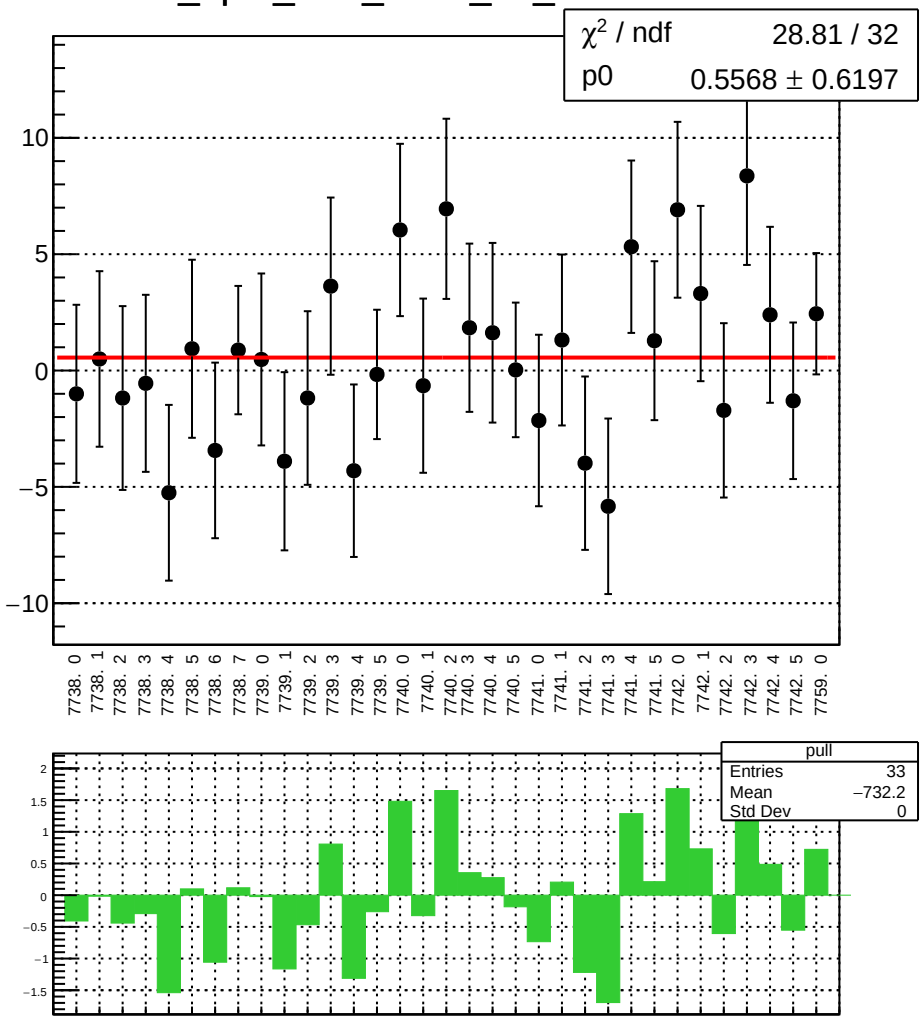

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 30.4 / 32
p0 −3.307 ± 4.022
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 55.51
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

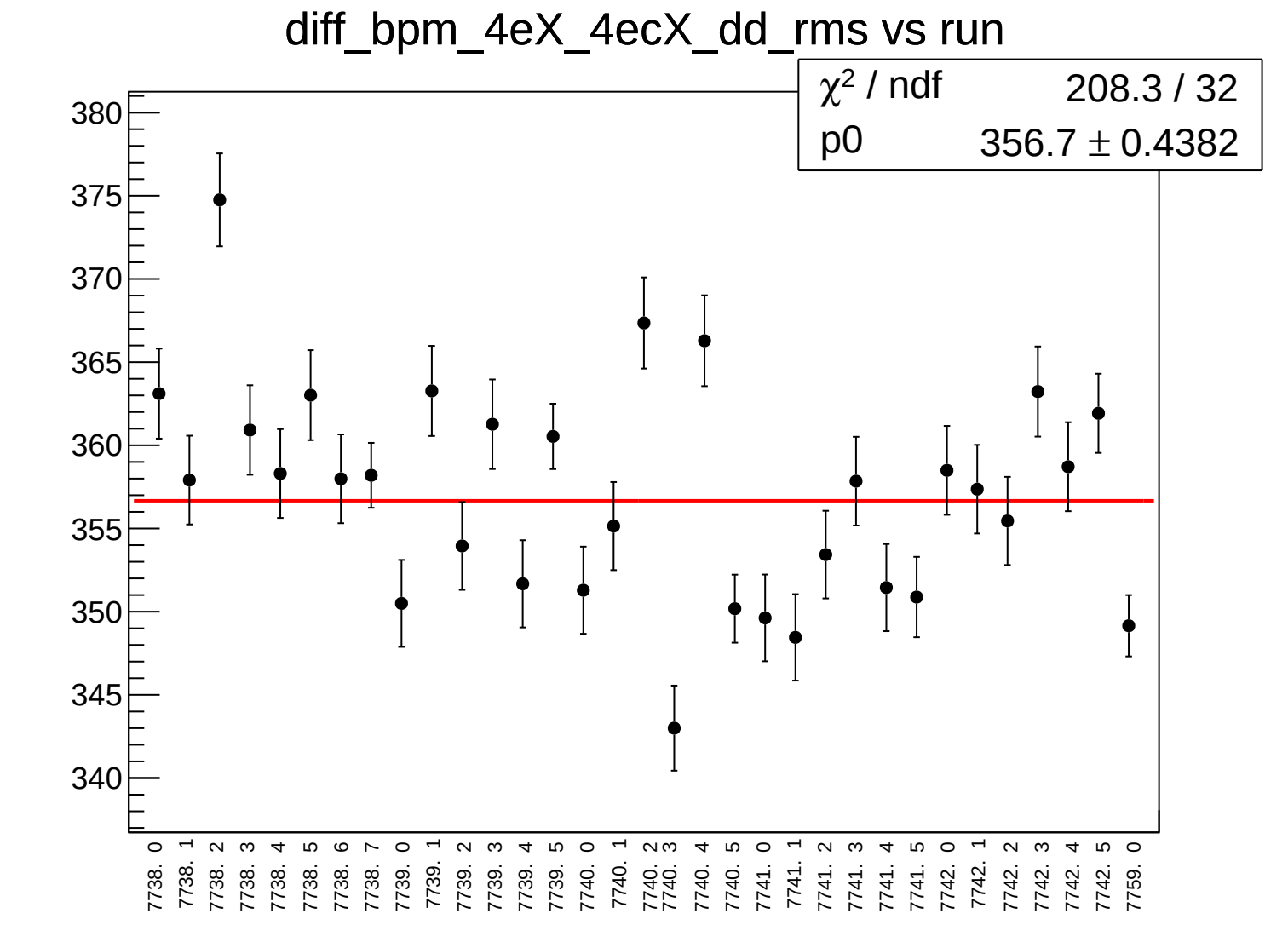

pull1D
Entries 33
Mean 0.07002
Std Dev 0.9572
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

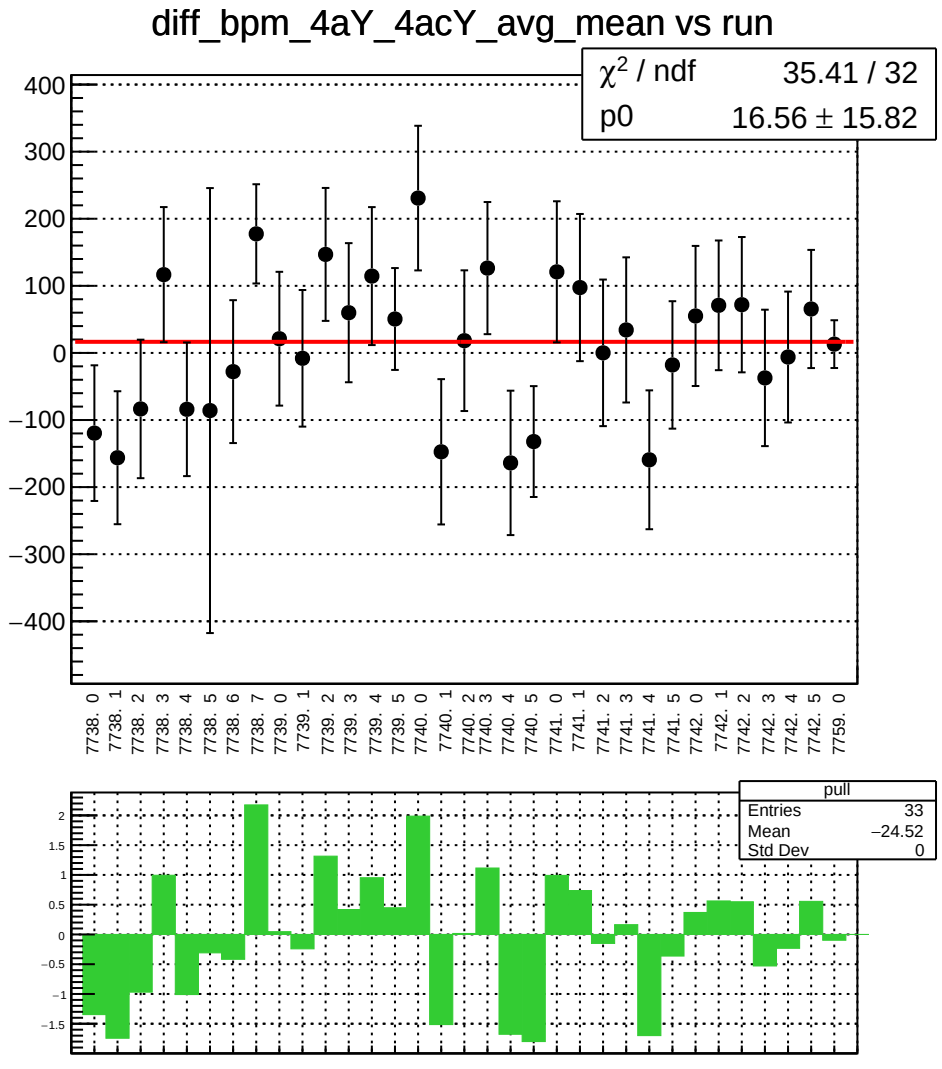

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 2.835e+05 / 32
p0 1752 ± 2.844
4500
4000
3500
3000
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

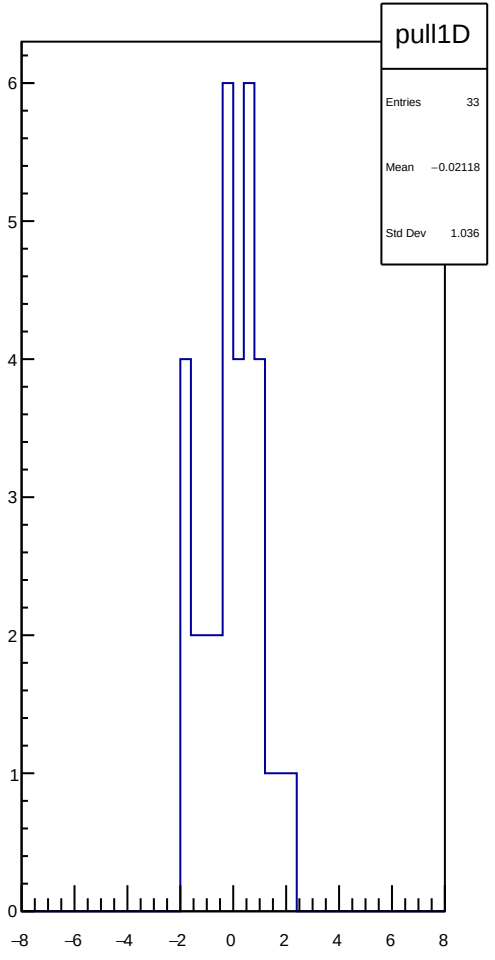

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 30.59 / 32
p0 1.99 ± 48.73
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −733.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.004058
Std Dev 0.9627
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

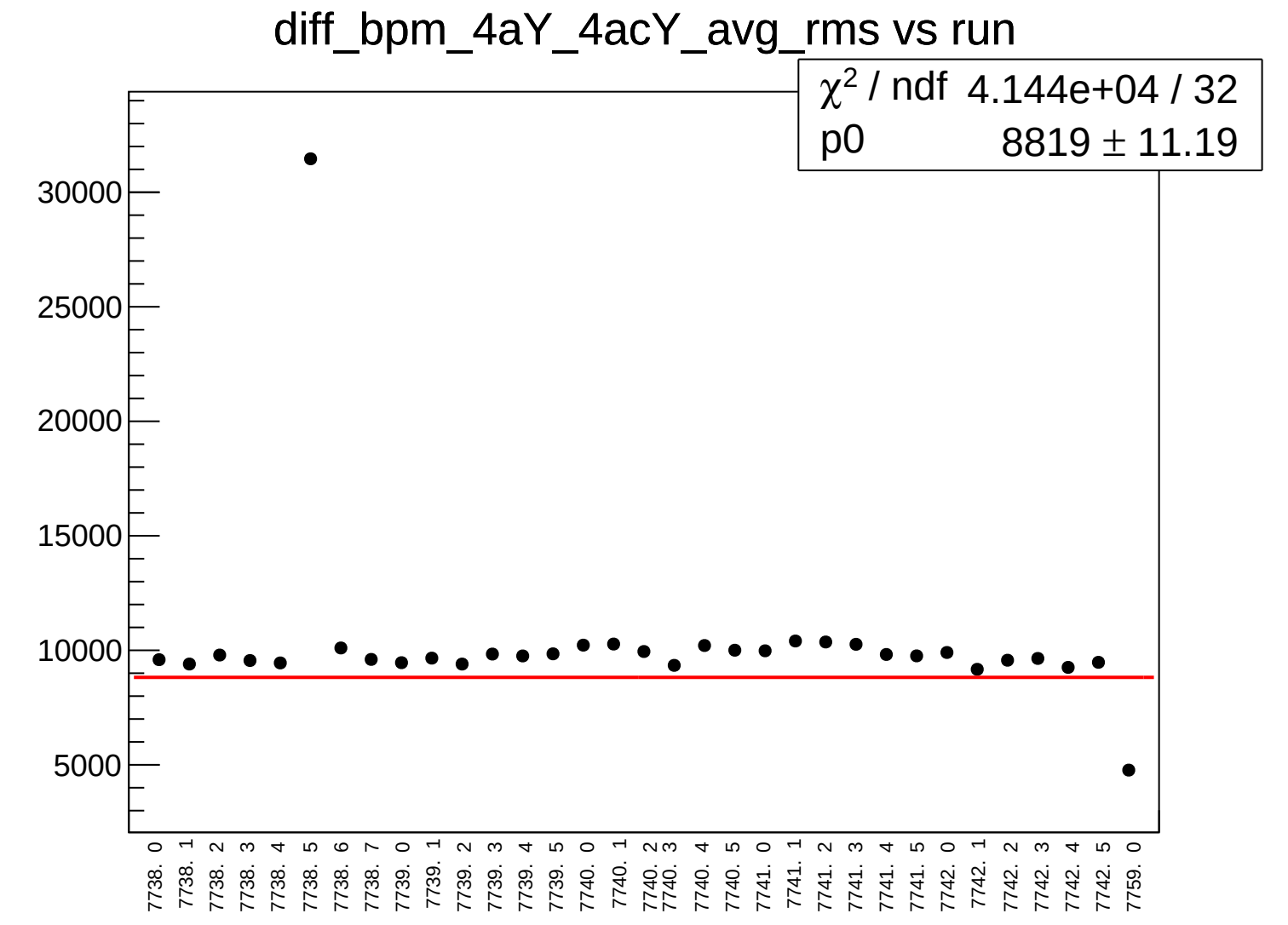

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 2745 / 32
p0 2.799e+04 ± 34.45
33000
32000
31000
30000
29000
28000
27000
26000
25000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

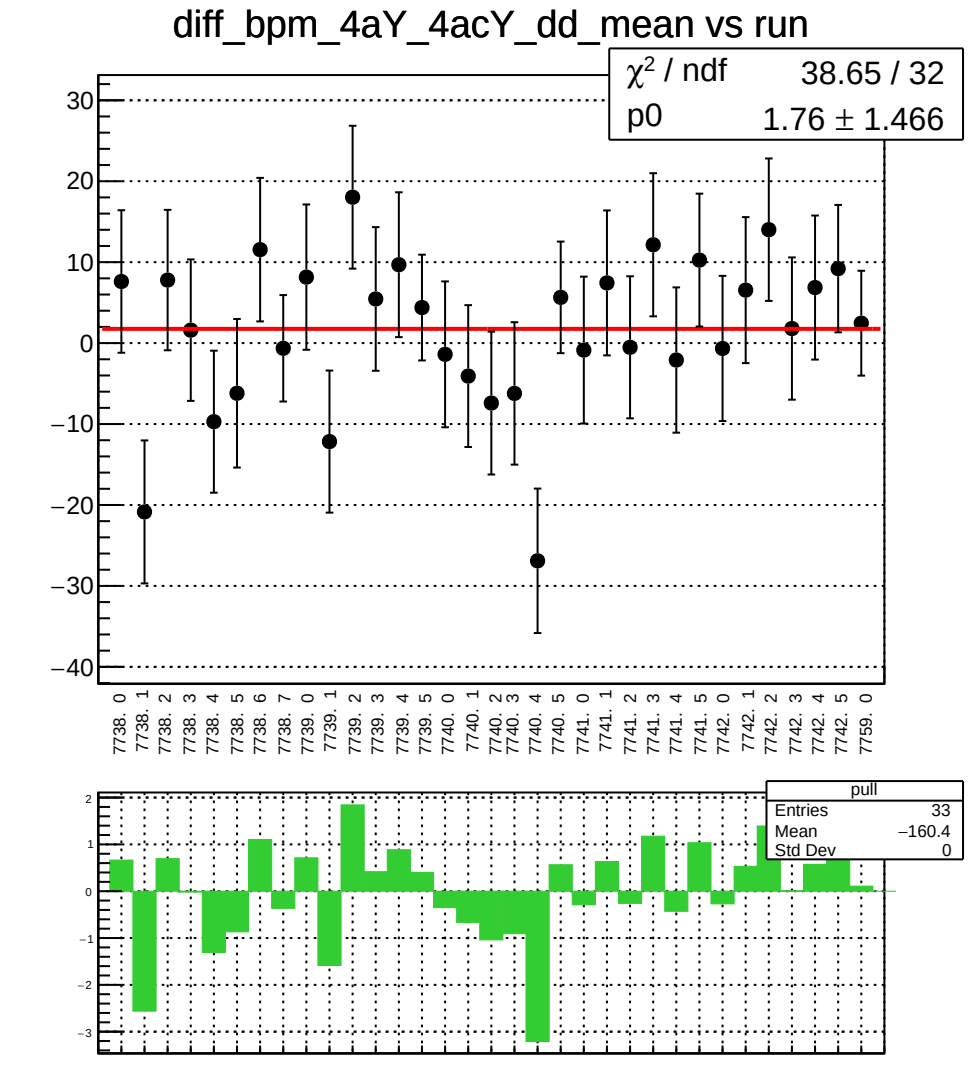

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 28.81 / 32
p0 0.5568 ± 0.6197
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −732.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.004037
Std Dev 0.9343
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

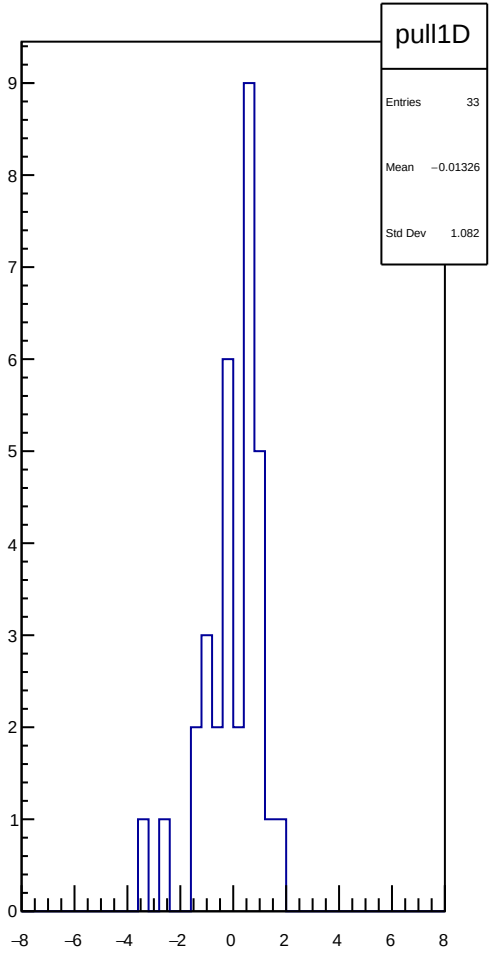

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 208.3 / 32
p0 356.7 ± 0.4382
380
375
370
365
360
355
350
345
340
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

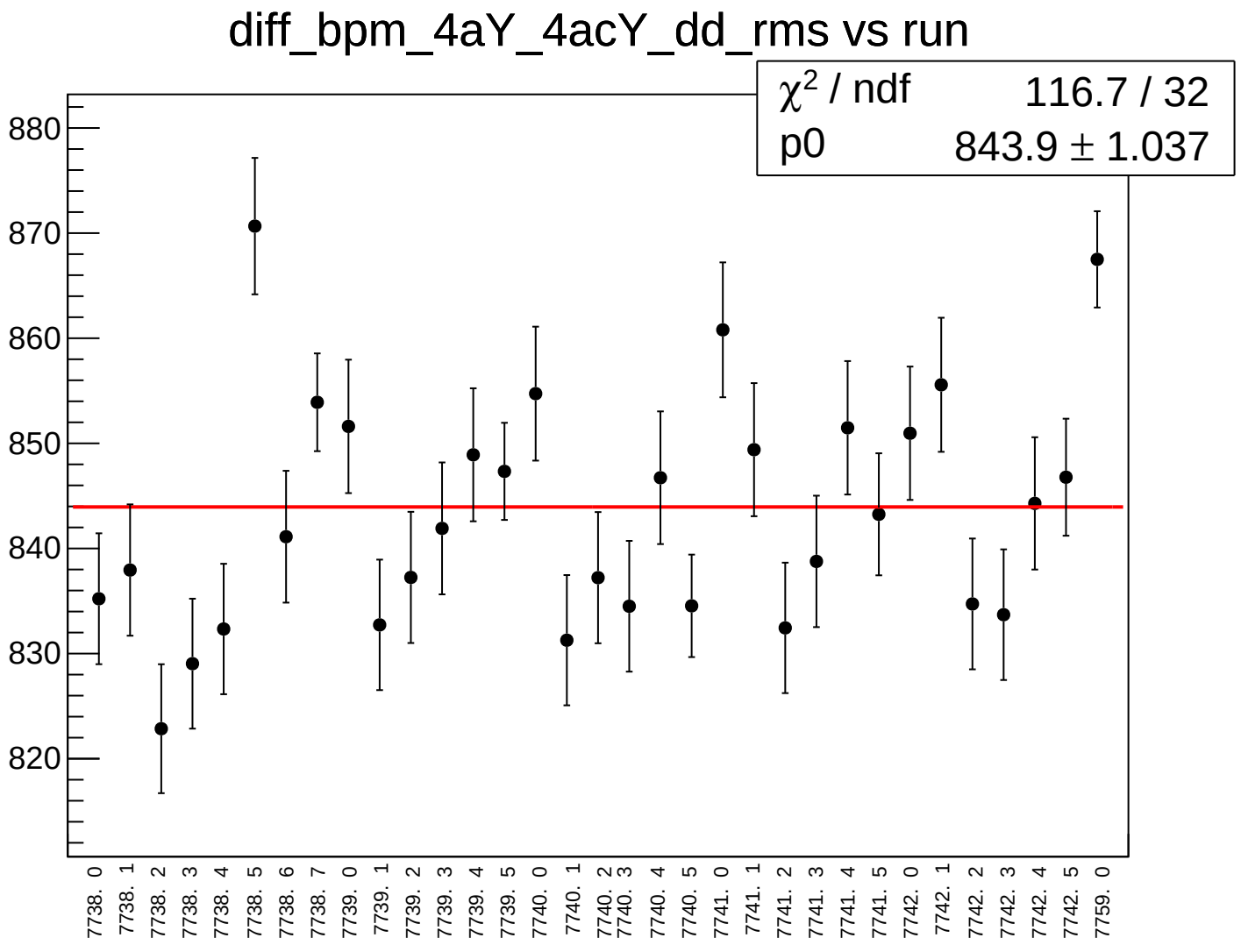

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 35.41 / 32
p0 16.56 ± 15.82
400
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

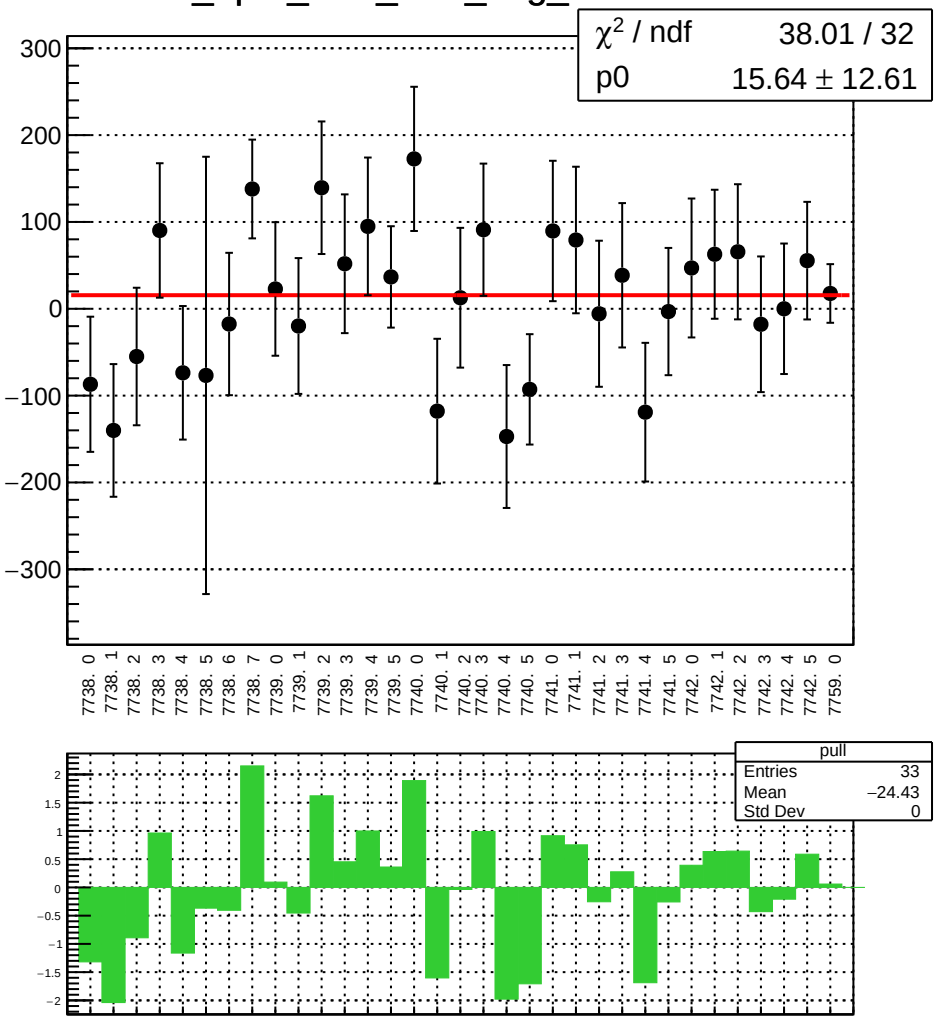

pull1D
Entries 33
Mean −0.02118
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

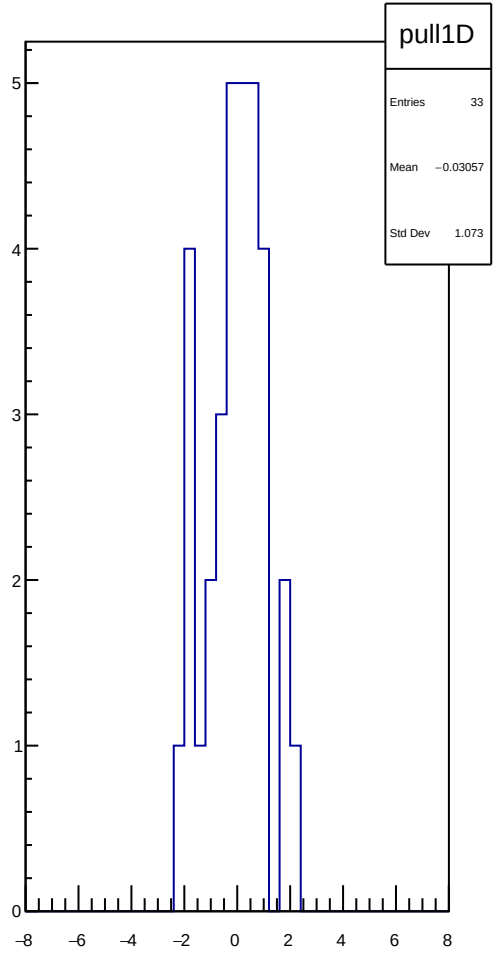

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 4.144e+04 / 32
p0 8819 ± 11.19
30000
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

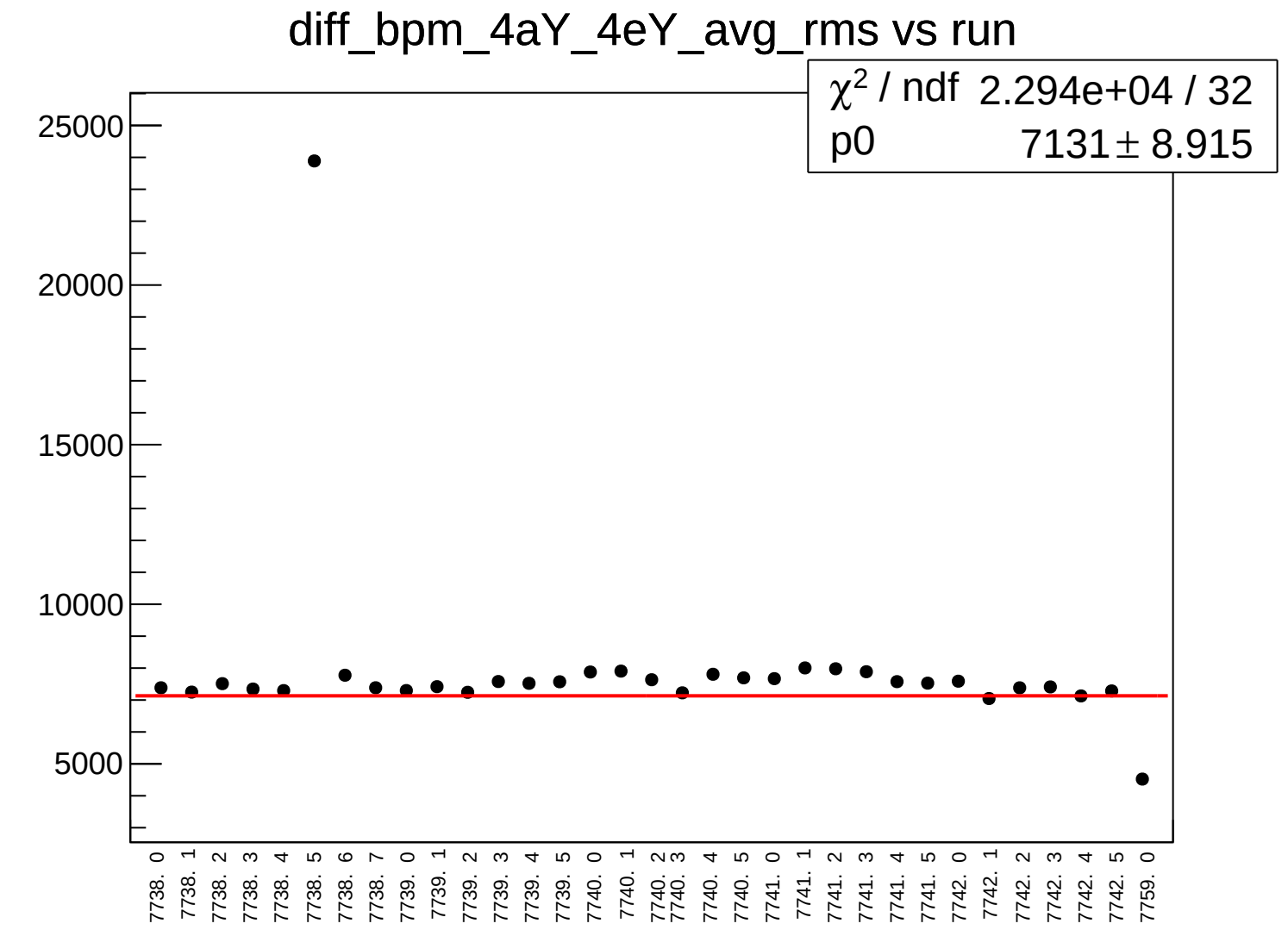

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 38.65 / 32
p0 1.76 ± 1.466
30
20
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −160.4
Std Dev 0
2
1
0
−1
−2
−3

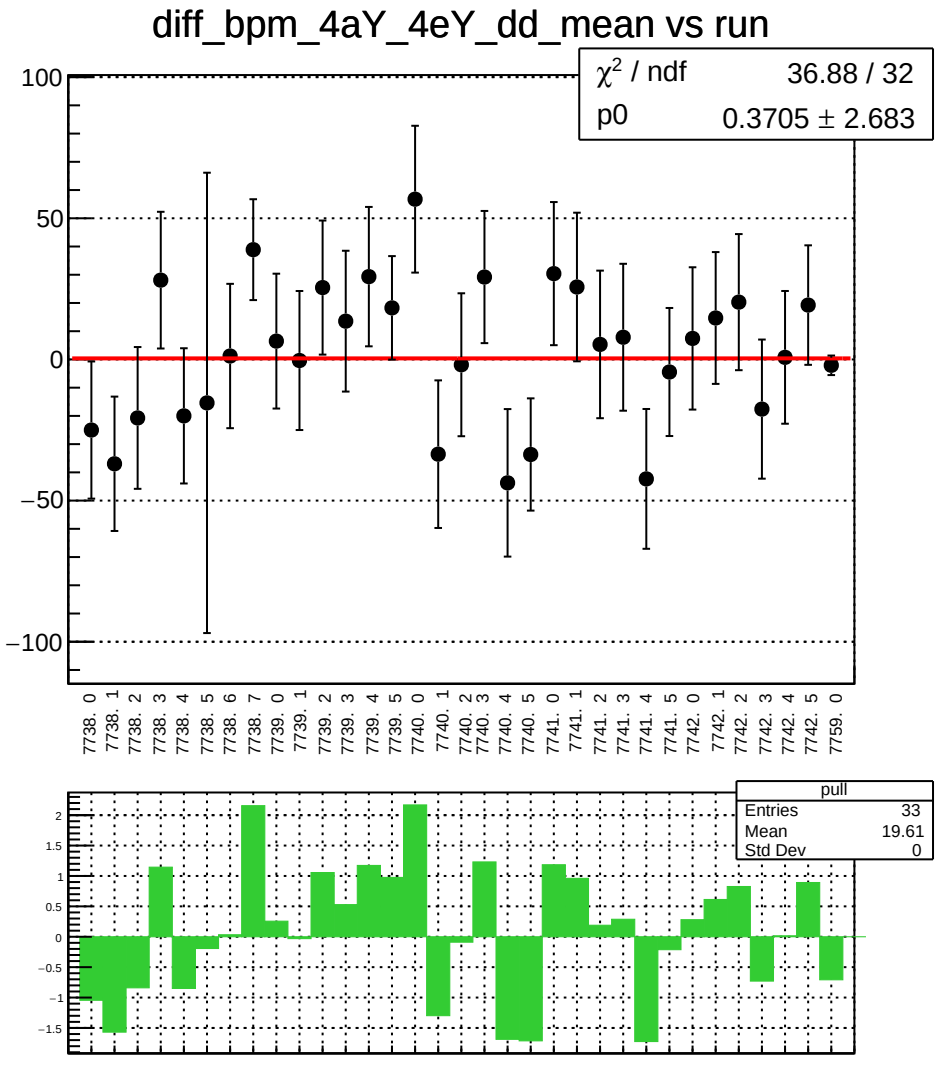

pull1D
Entries 33
Mean −0.01326
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

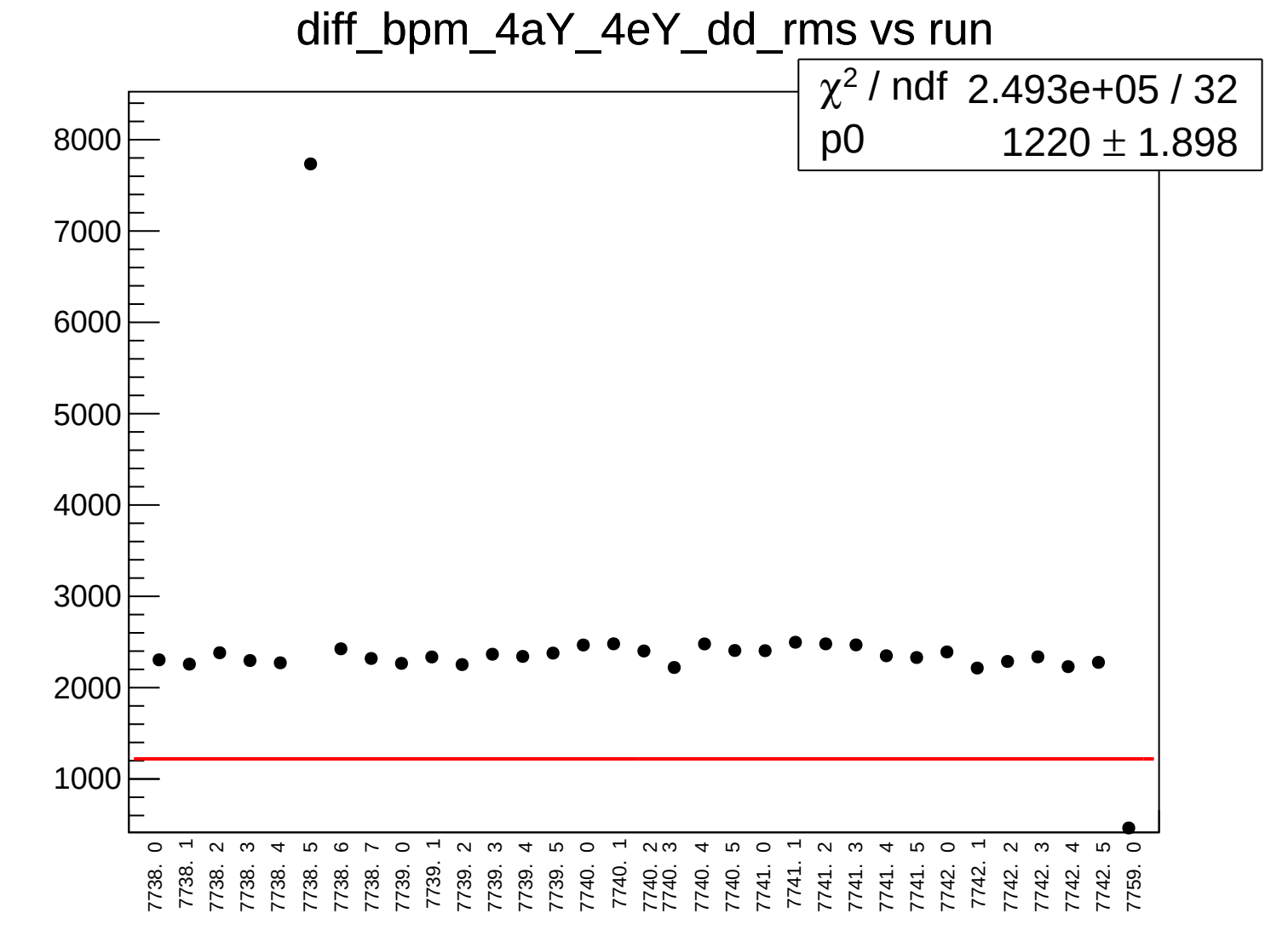

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 116.7 / 32
p0 843.9 ± 1.037
880
870
860
850
840
830
820
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

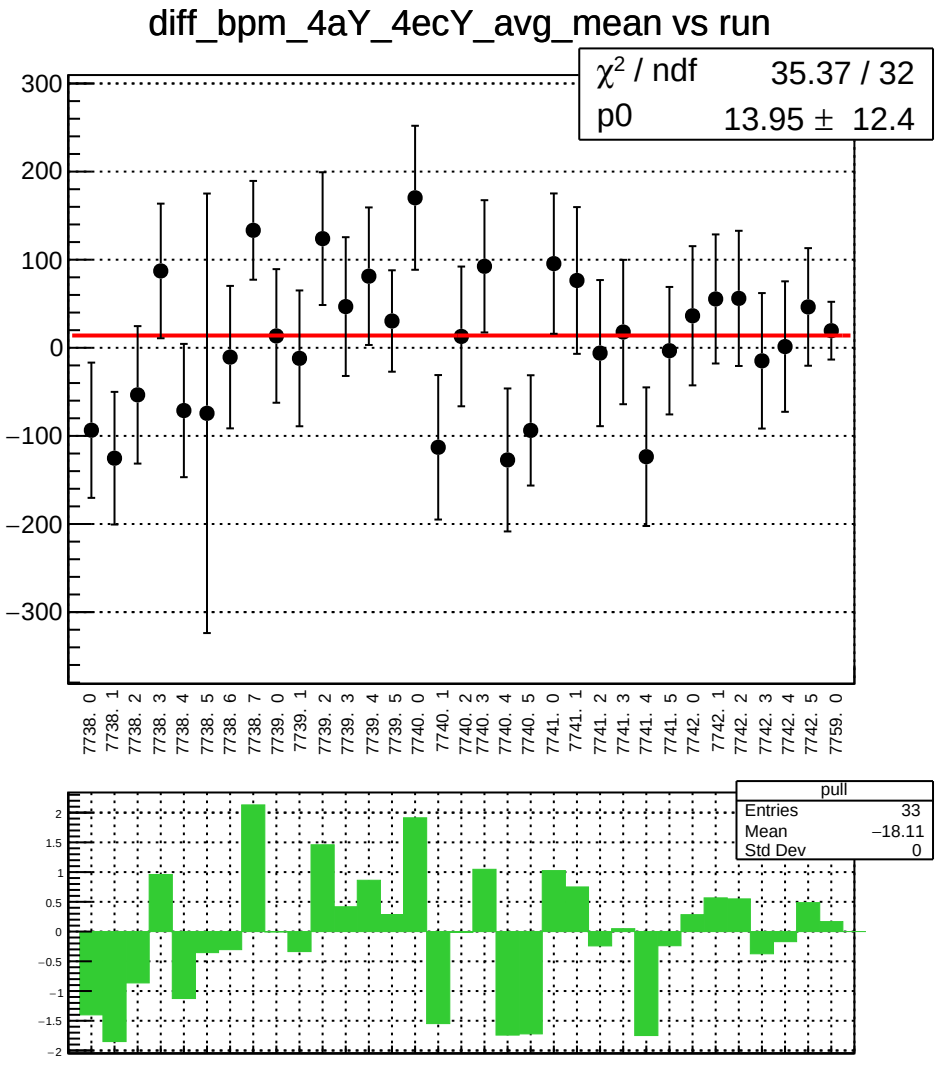

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 38.01 / 32
p0 15.64 ± 12.61
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

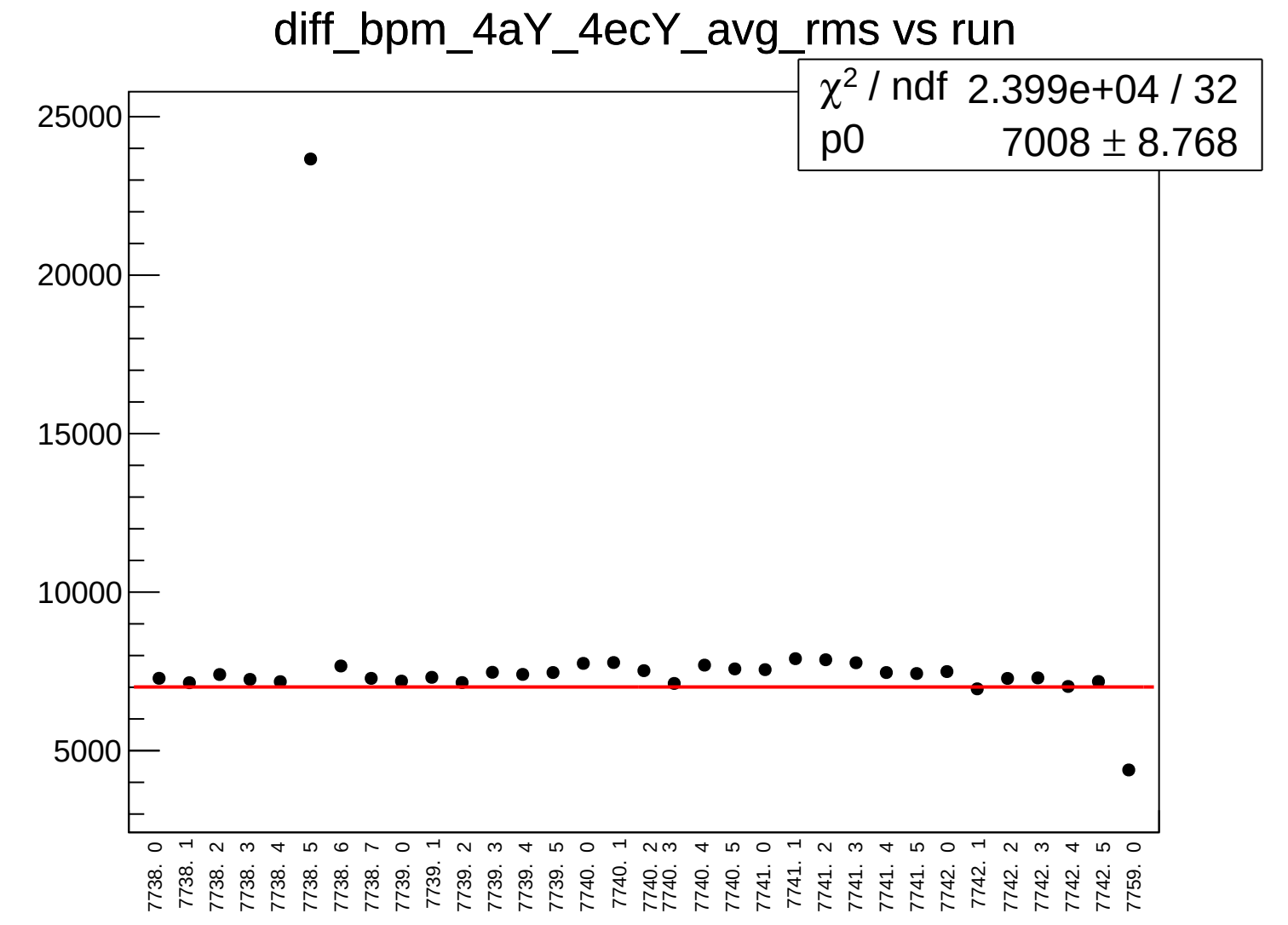

pull1D
Entries 33
Mean −0.03057
Std Dev 1.073
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

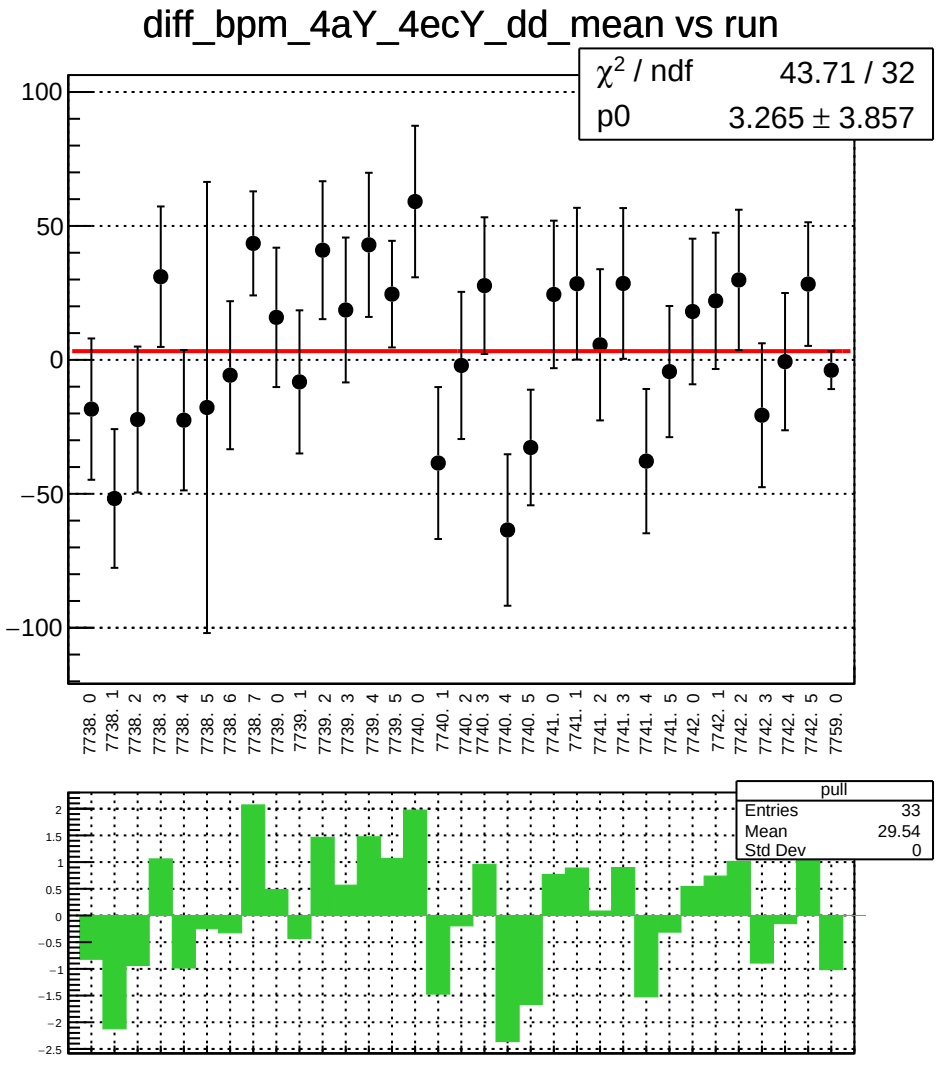

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 2.294e+04 / 32
p0 7131 ± 8.915
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

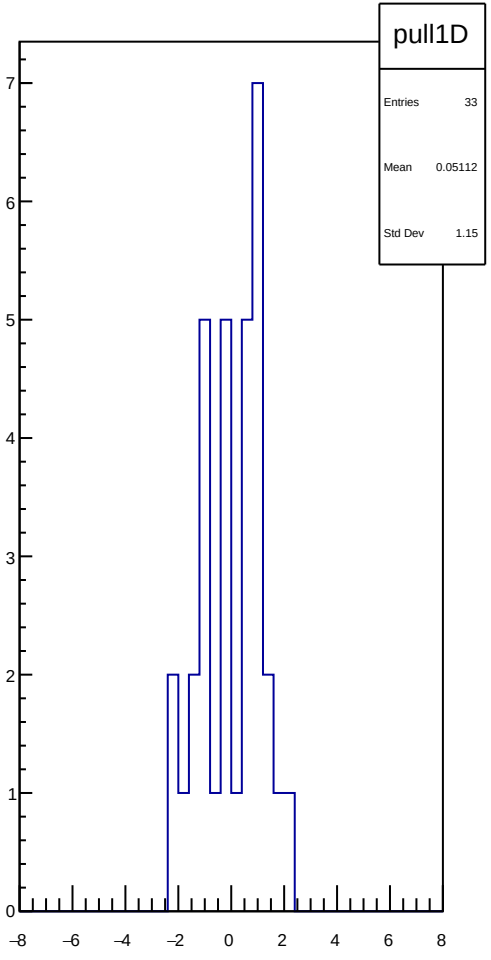

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 36.88 / 32
p0 0.3705 ± 2.683
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.09963
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

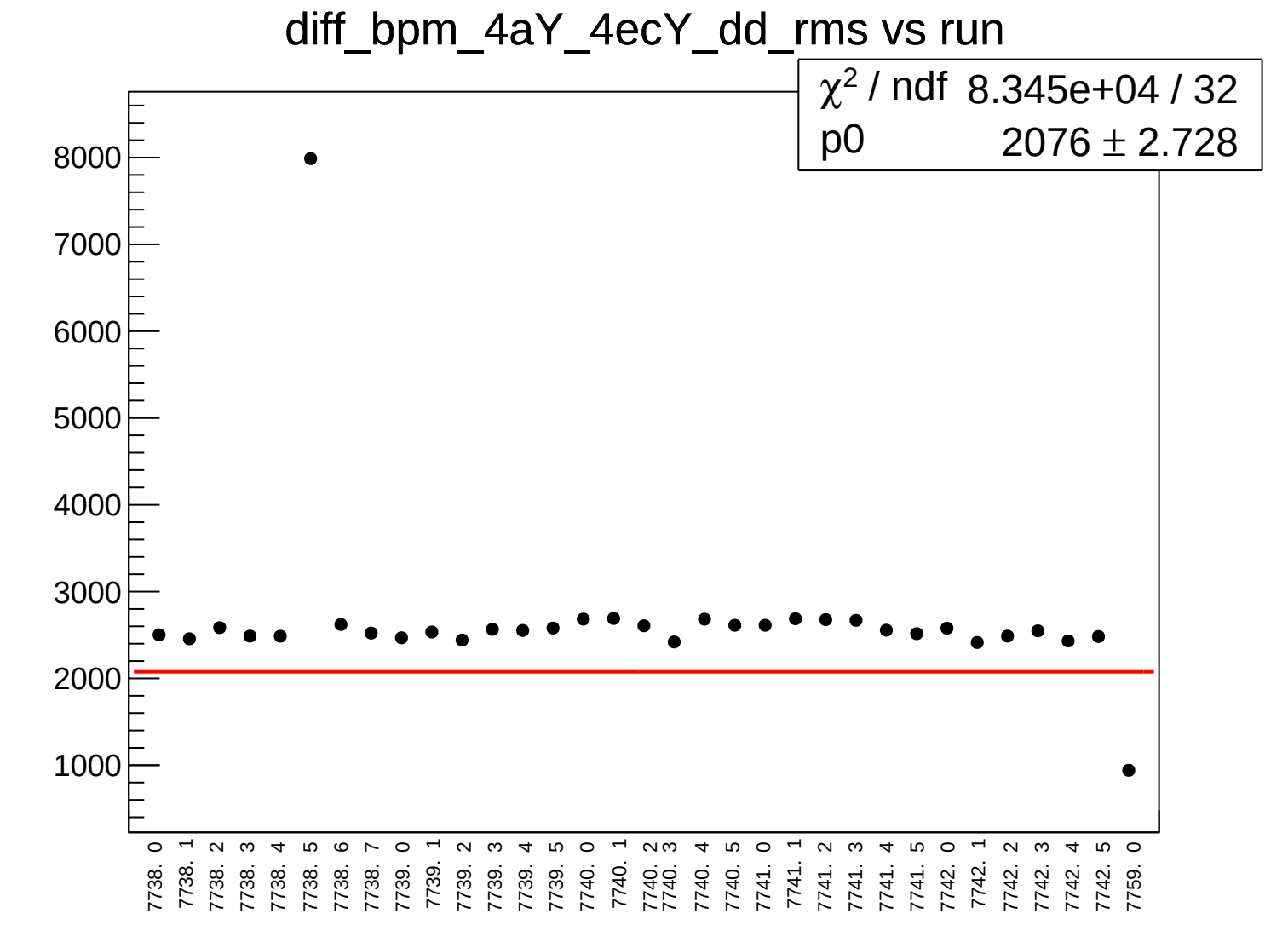

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 2.493e+05 / 32
p0 1220 ± 1.898
8000
7000
6000
5000
4000
3000
2000
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

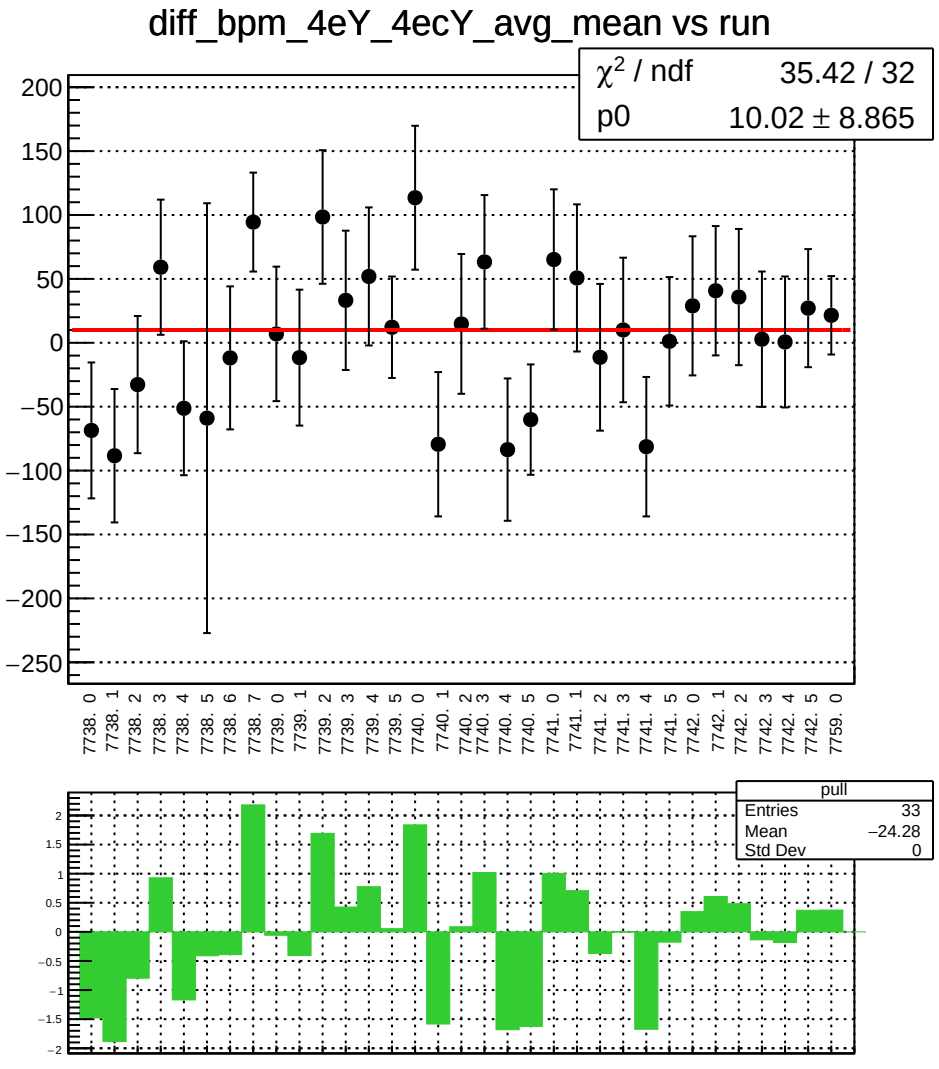

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 35.37 / 32
p0 13.95 ± 12.4
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.03278
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

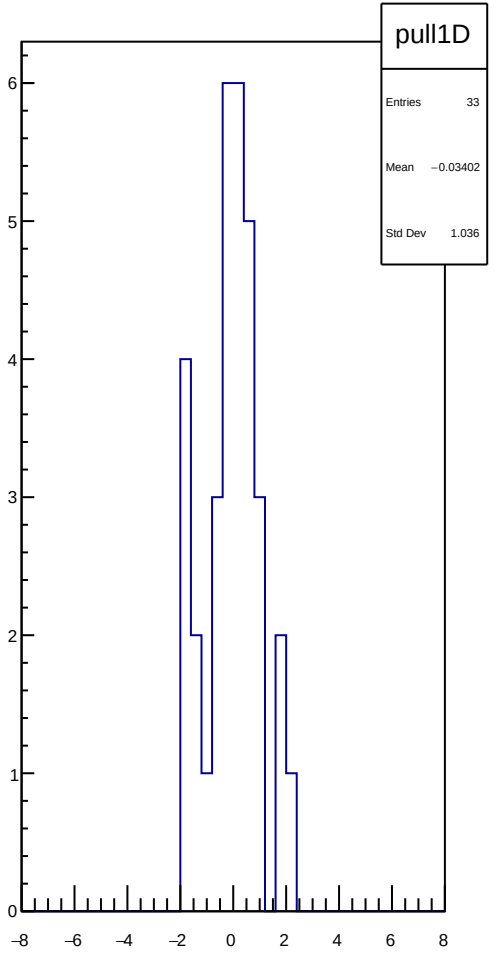

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 2.399e+04 / 32
p0 7008 ± 8.768
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

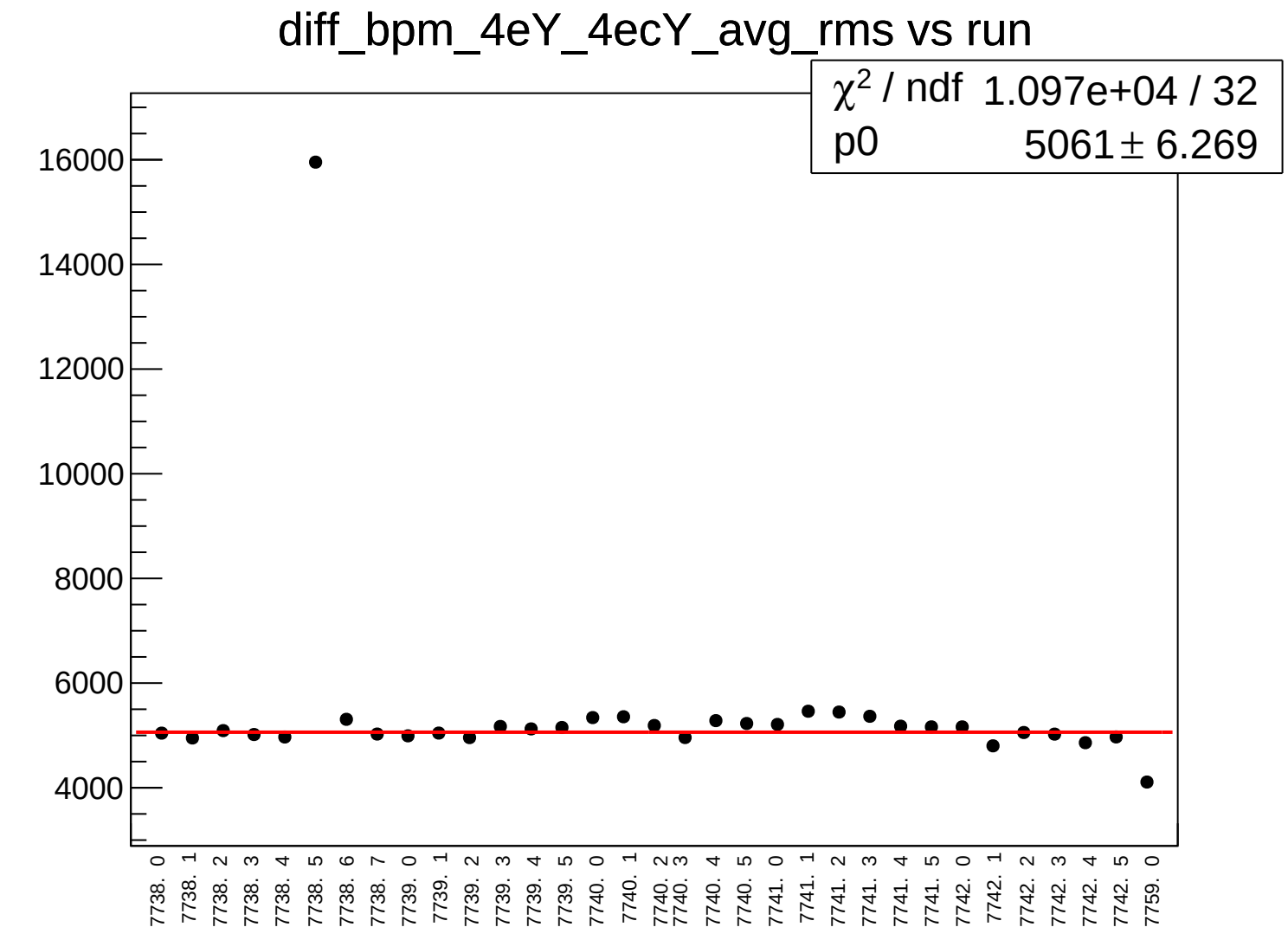

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 43.71 / 32
p0 3.265 ± 3.857
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.54
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

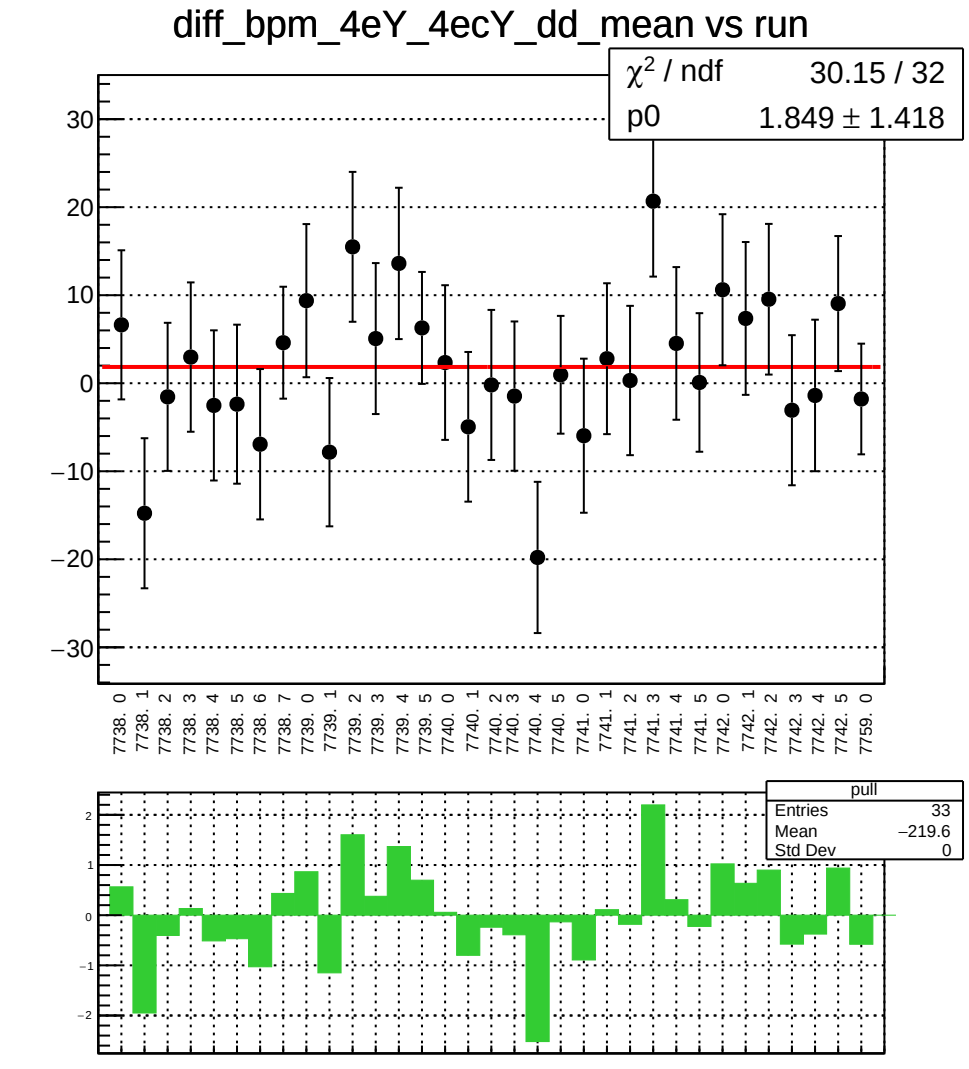

pull1D
Entries 33
Mean 0.05112
Std Dev 1.15
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

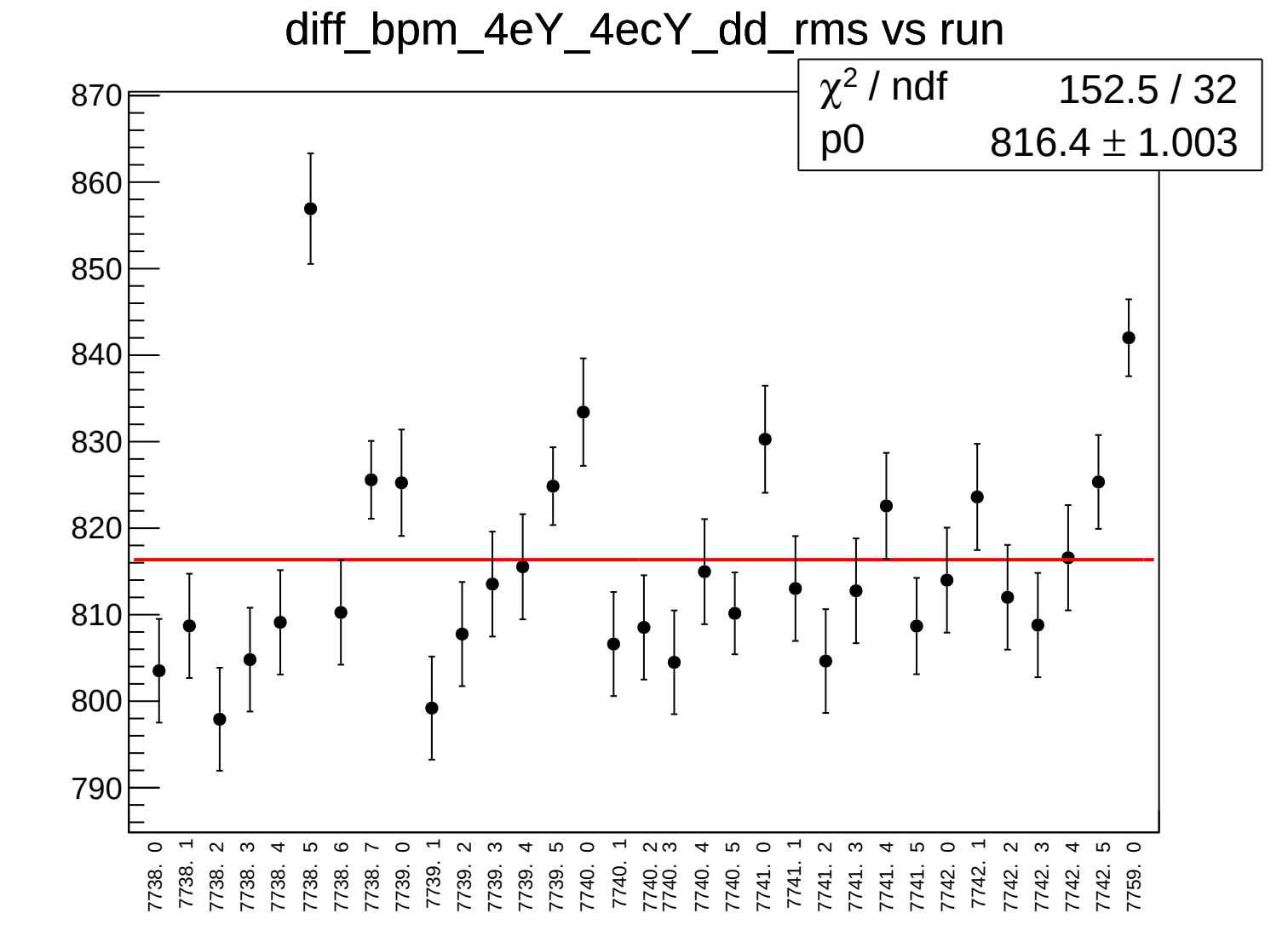

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 8.345e+04 / 32
p0 2076 ± 2.728
8000
7000
6000
5000
4000
3000
2000
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

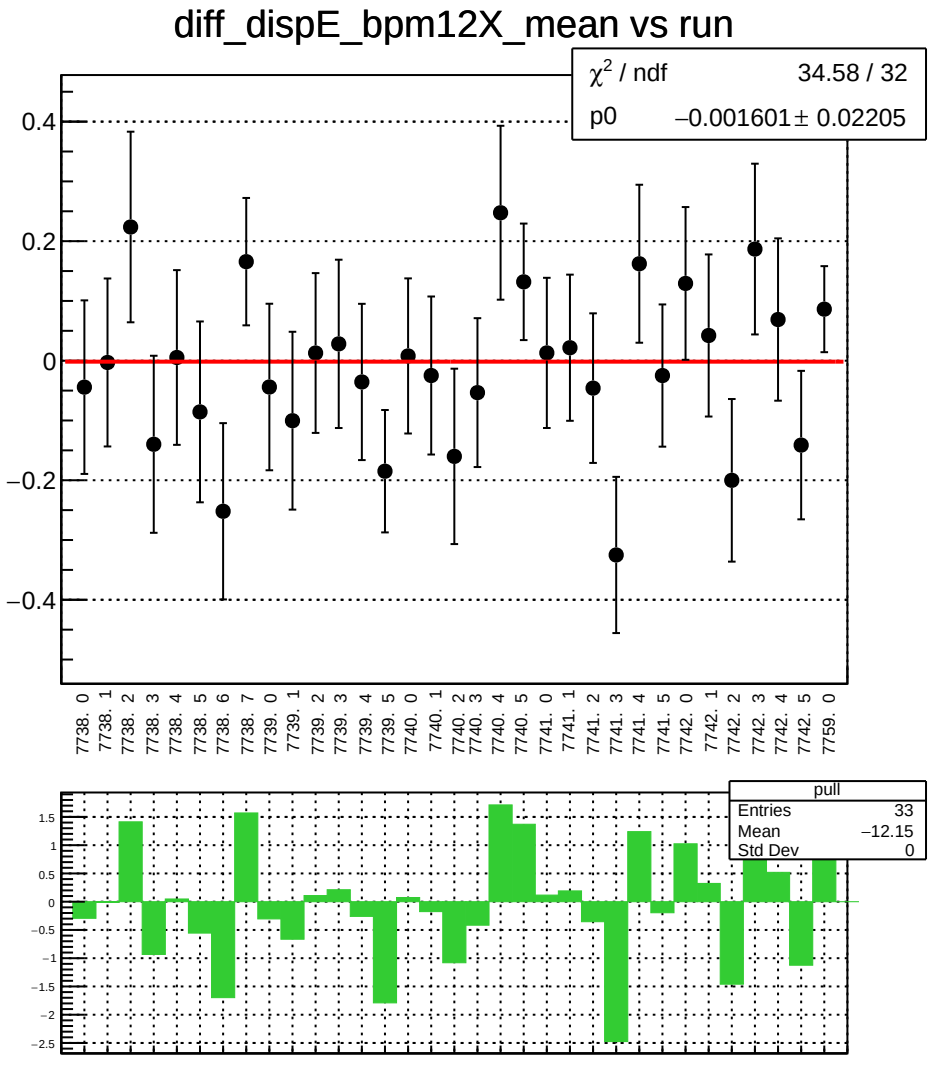

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 35.42 / 32
p0 10.02 ± 8.865
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

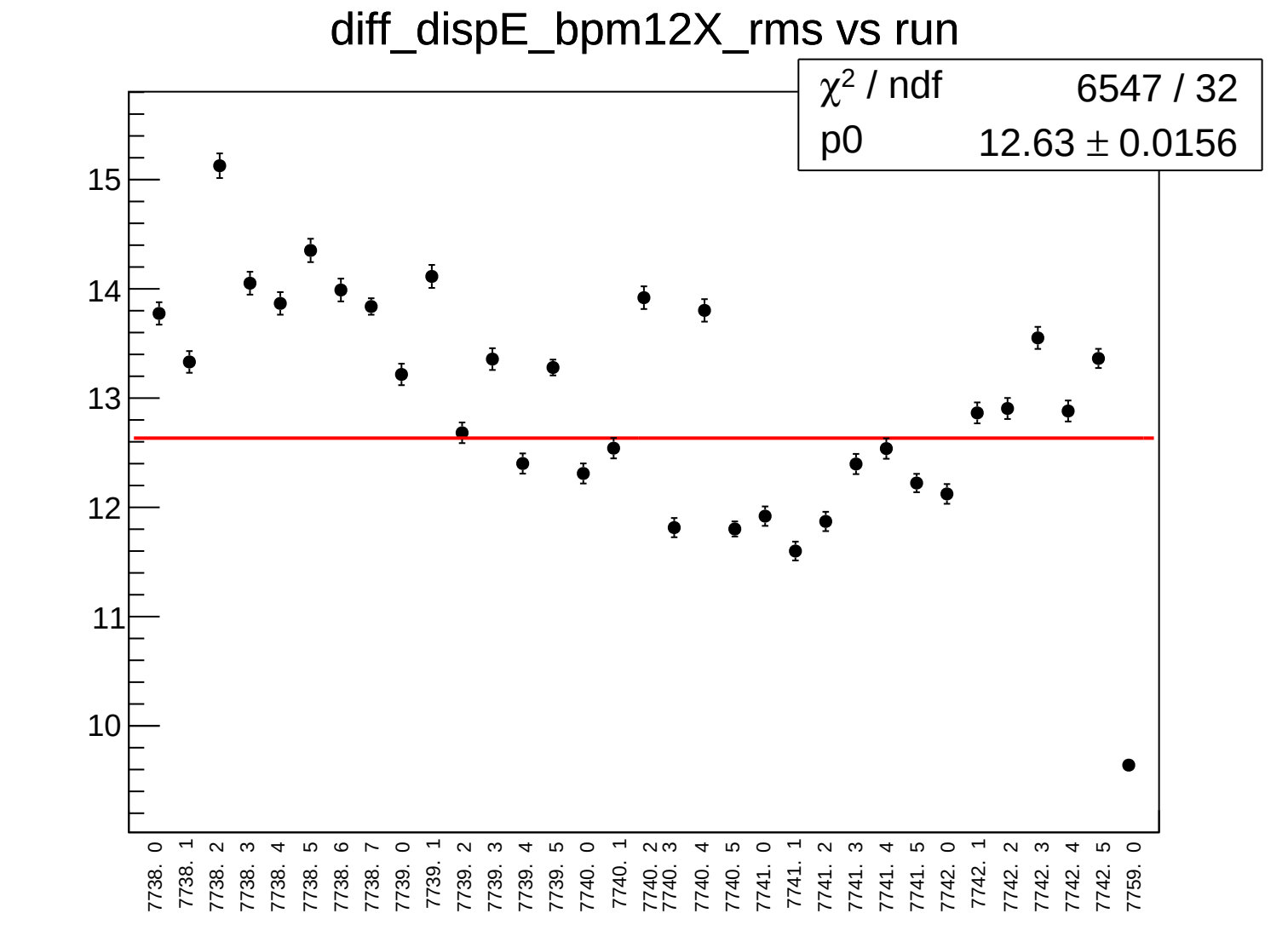

pull1D
Entries 33
Mean −0.03402
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

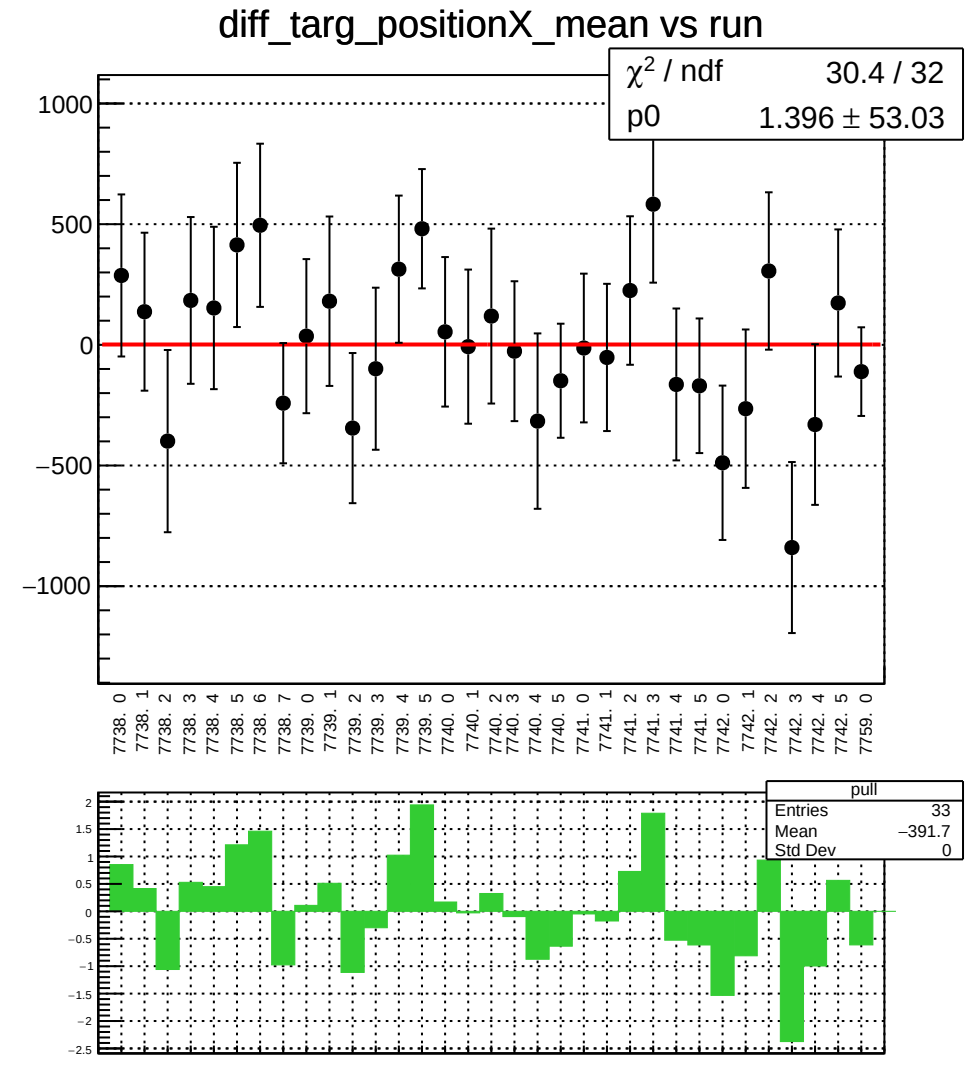

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 1.097e+04 / 32
p0 5061 ± 6.269
16000
14000
12000
10000
8000
6000
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

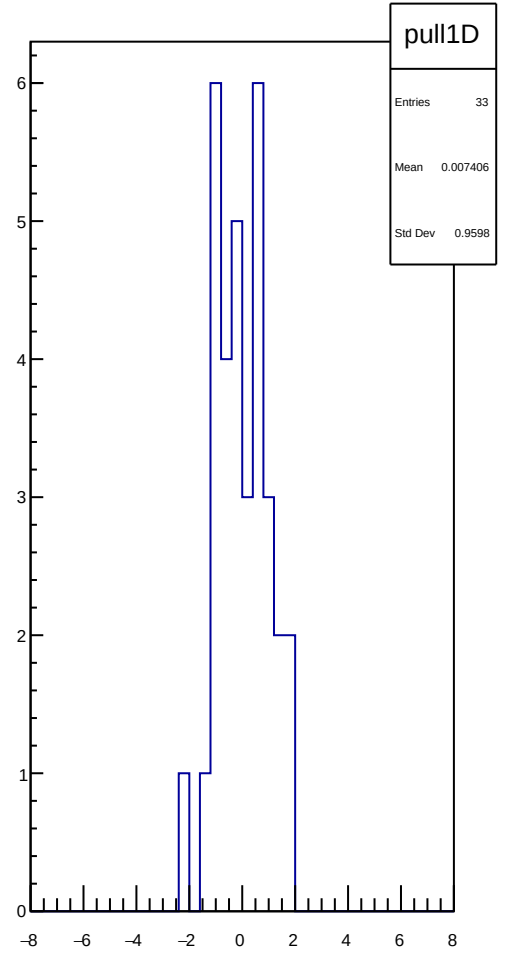

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 30.15 / 32
p0 1.849 ± 1.418
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −219.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.006482
Std Dev 0.9558
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

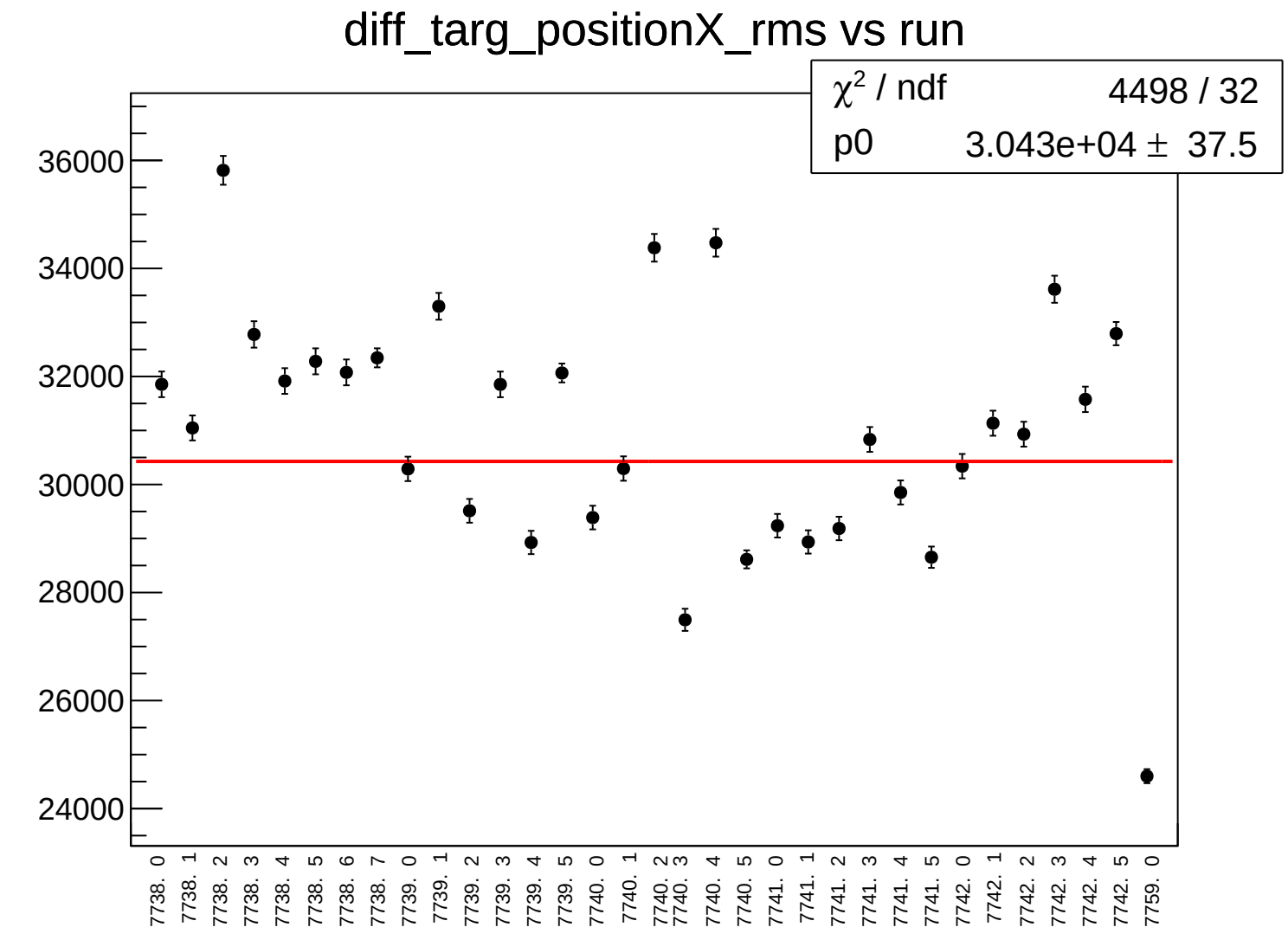

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 152.5 / 32
p0 816.4 ± 1.003
870
860
850
840
830
820
810
800
790
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

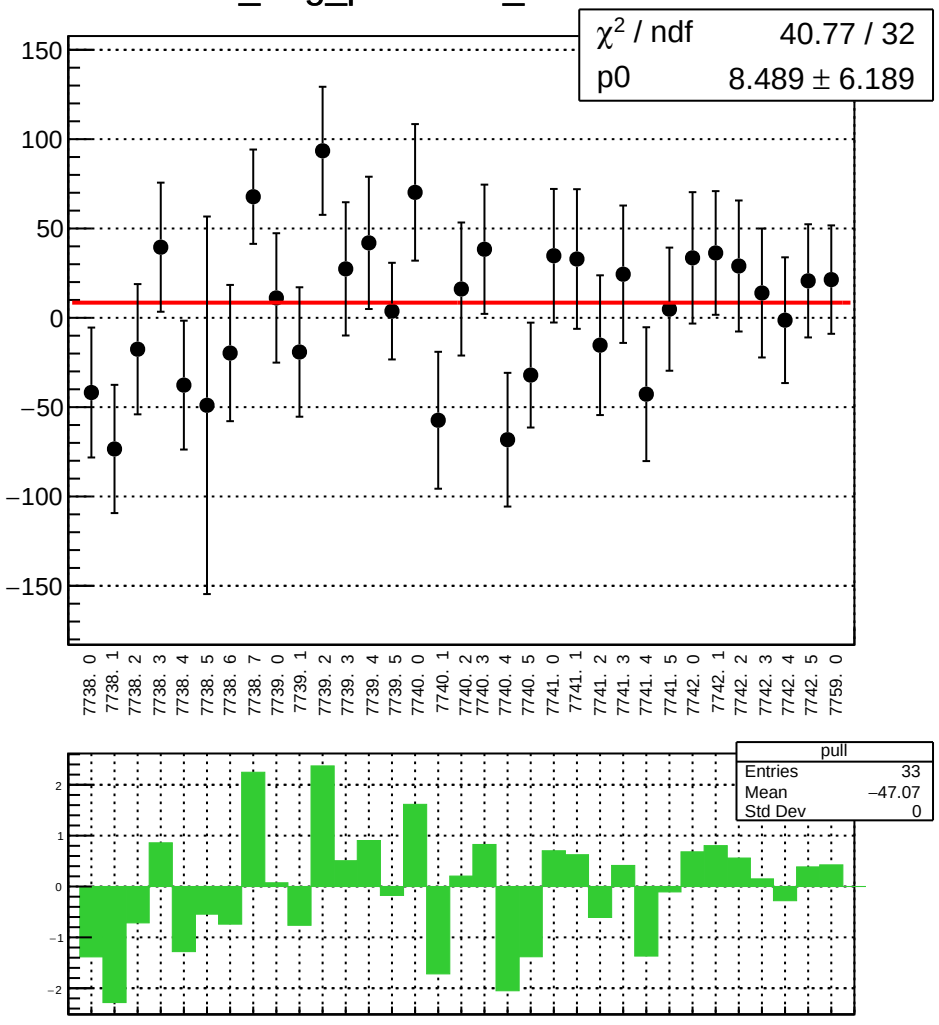

diff_dispE_bpm12X_mean vs run
χ² / ndf 34.58 / 32
p0 −0.001601 ± 0.02205
0.4
0.2
0
−0.2
−0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.0402
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

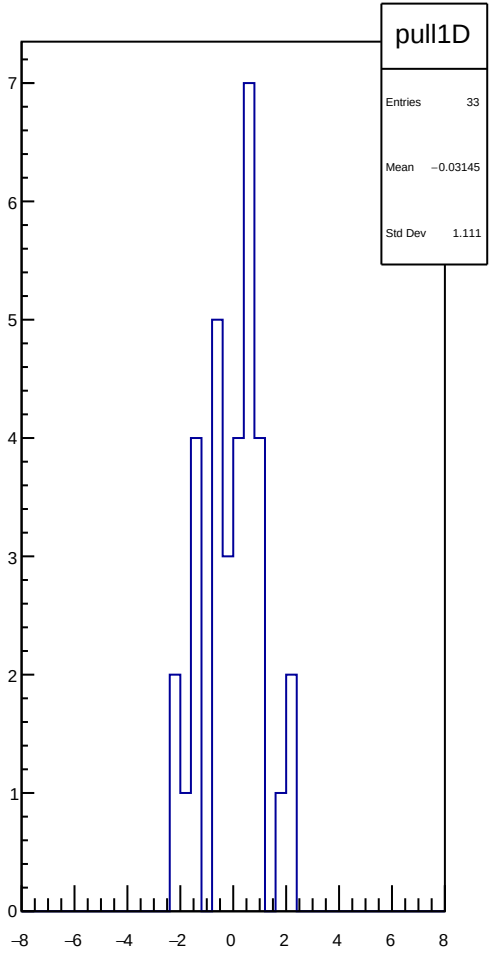

diff_dispE_bpm12X_rms vs run
χ² / ndf 6547 / 32
p0 12.63 ± 0.0156
15
14
13
12
11
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

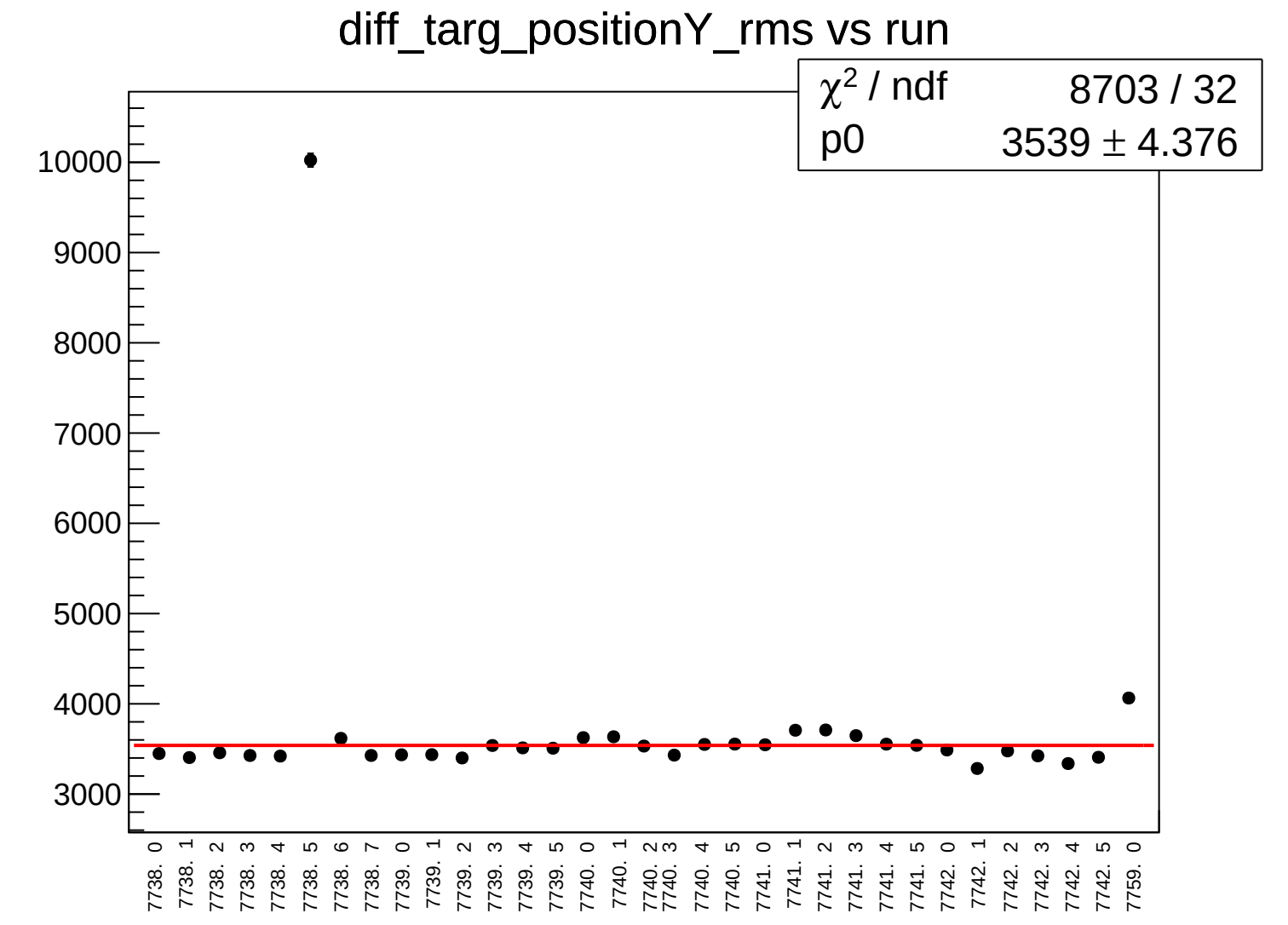

diff_targ_positionX_mean vs run
χ² / ndf 30.4 / 32
p0 1.396 ± 53.03
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −391.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

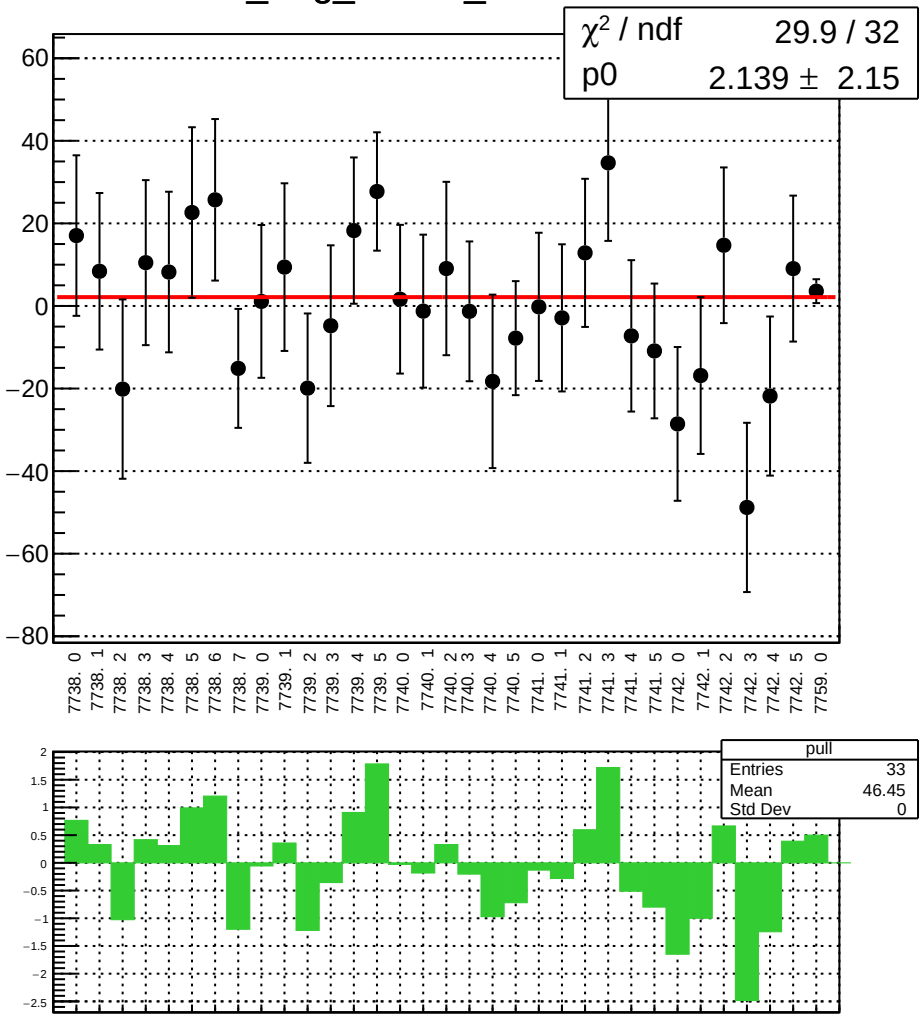

pull1D
Entries 33
Mean 0.007406
Std Dev 0.9598
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

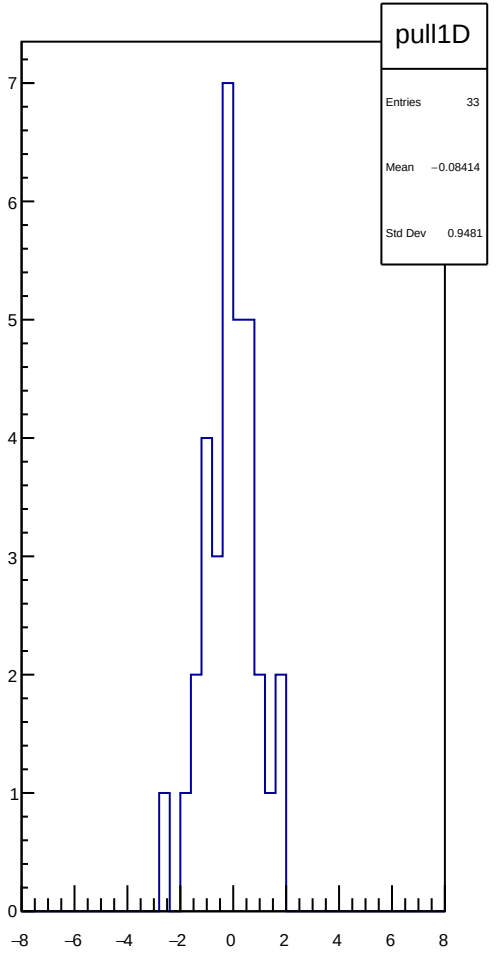

diff_targ_positionX_rms vs run
χ² / ndf 4498 / 32
p0 3.043e+04 ± 37.5
36000
34000
32000
30000
28000
26000
24000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

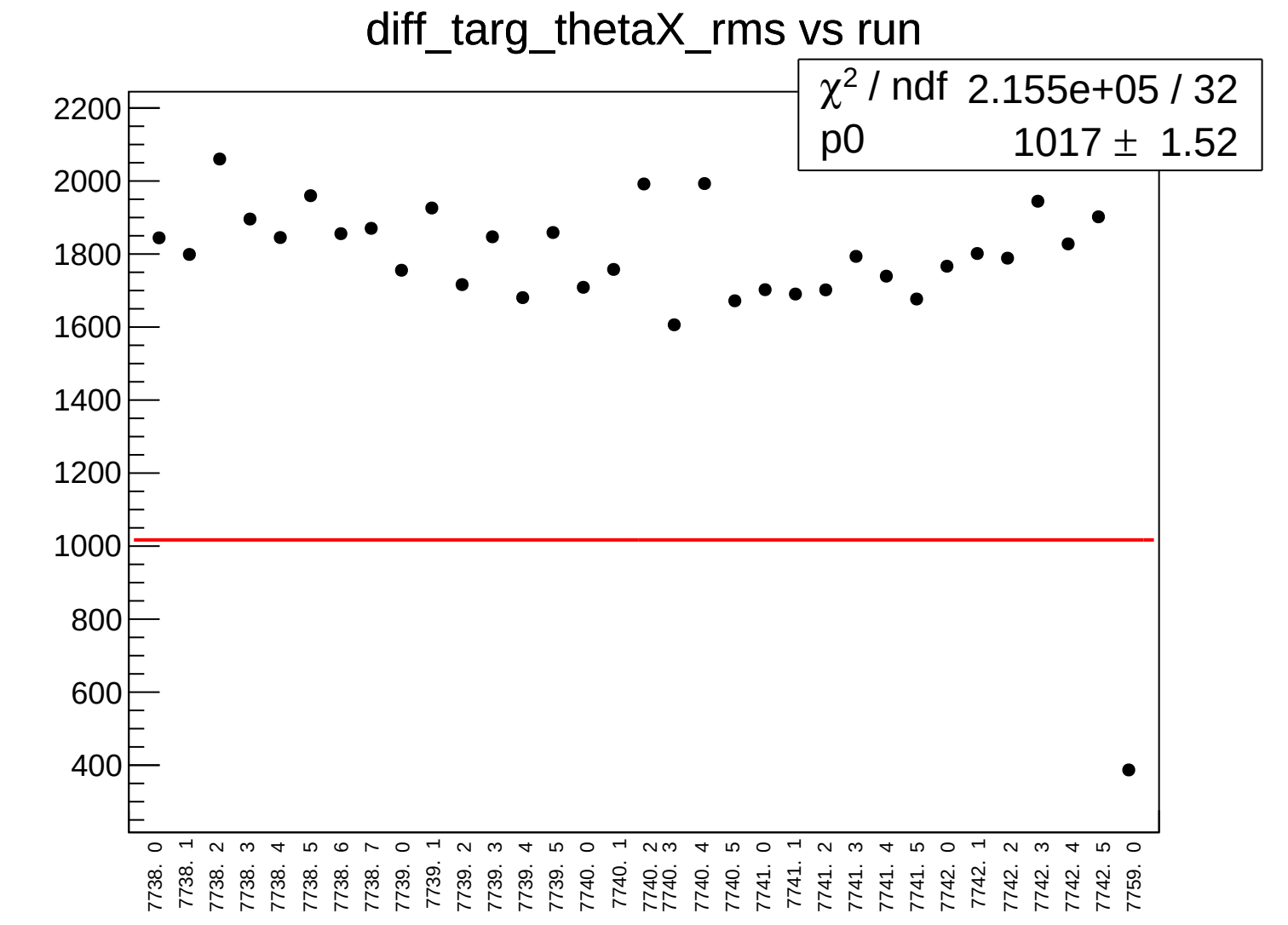

diff_targ_positionY_mean vs run
χ² / ndf 40.77 / 32
p0 8.489 ± 6.189
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −47.07
Std Dev 0
2
1
0
−1
−2

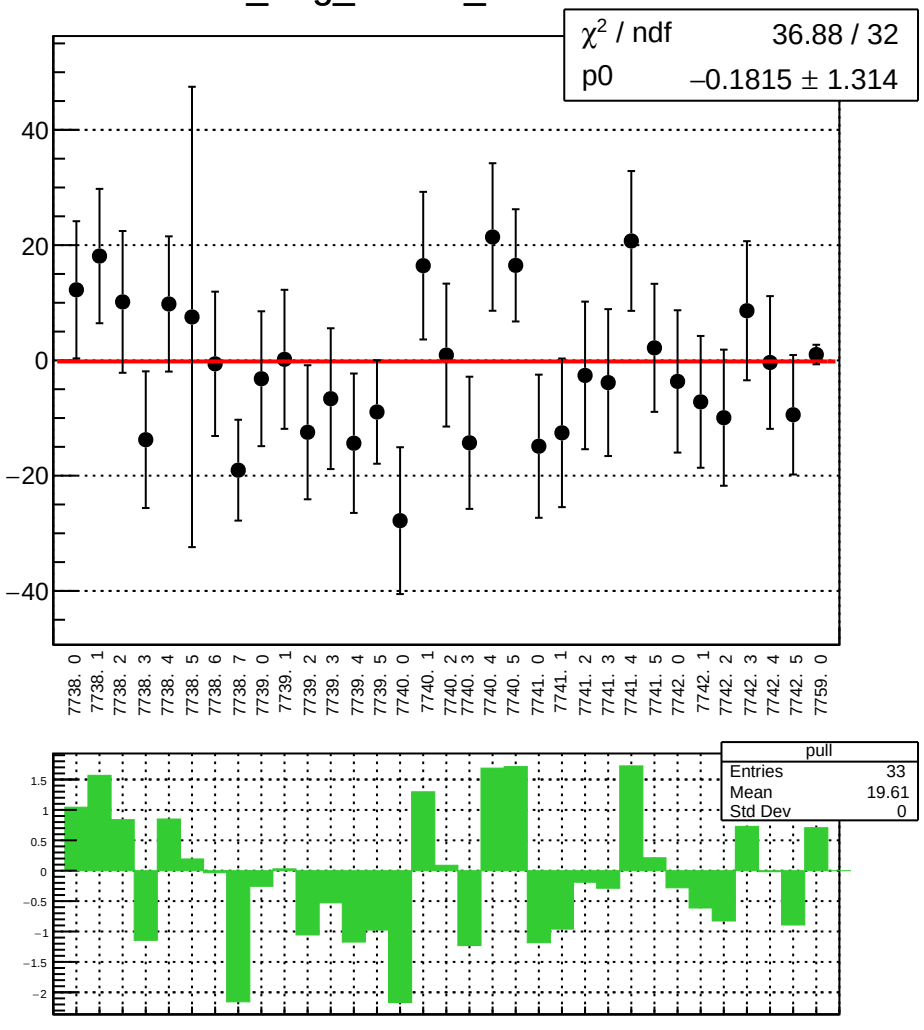

pull1D
Entries 33
Mean −0.03145
Std Dev 1.111
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

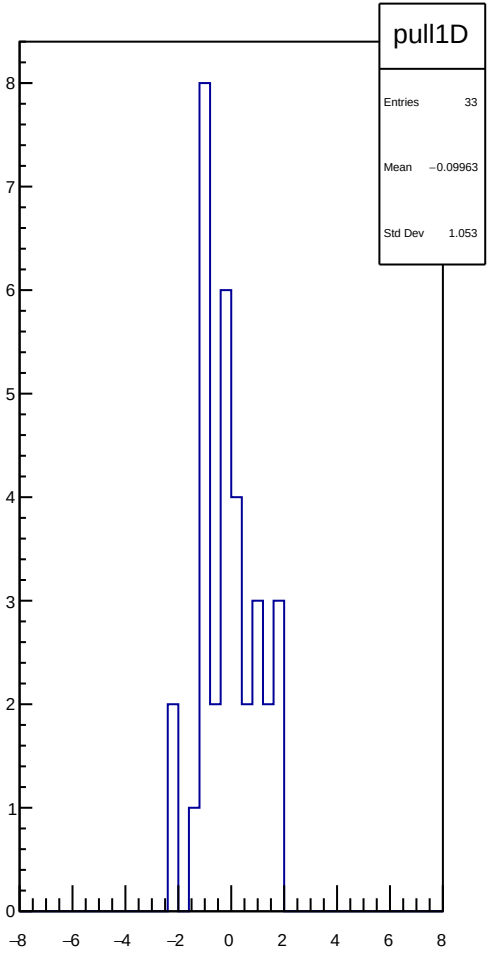

diff_targ_positionY_rms vs run
χ^2 / ndf 8703 / 32
p0 3539 ± 4.376
10000
9000
8000
7000
6000
5000
4000
3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

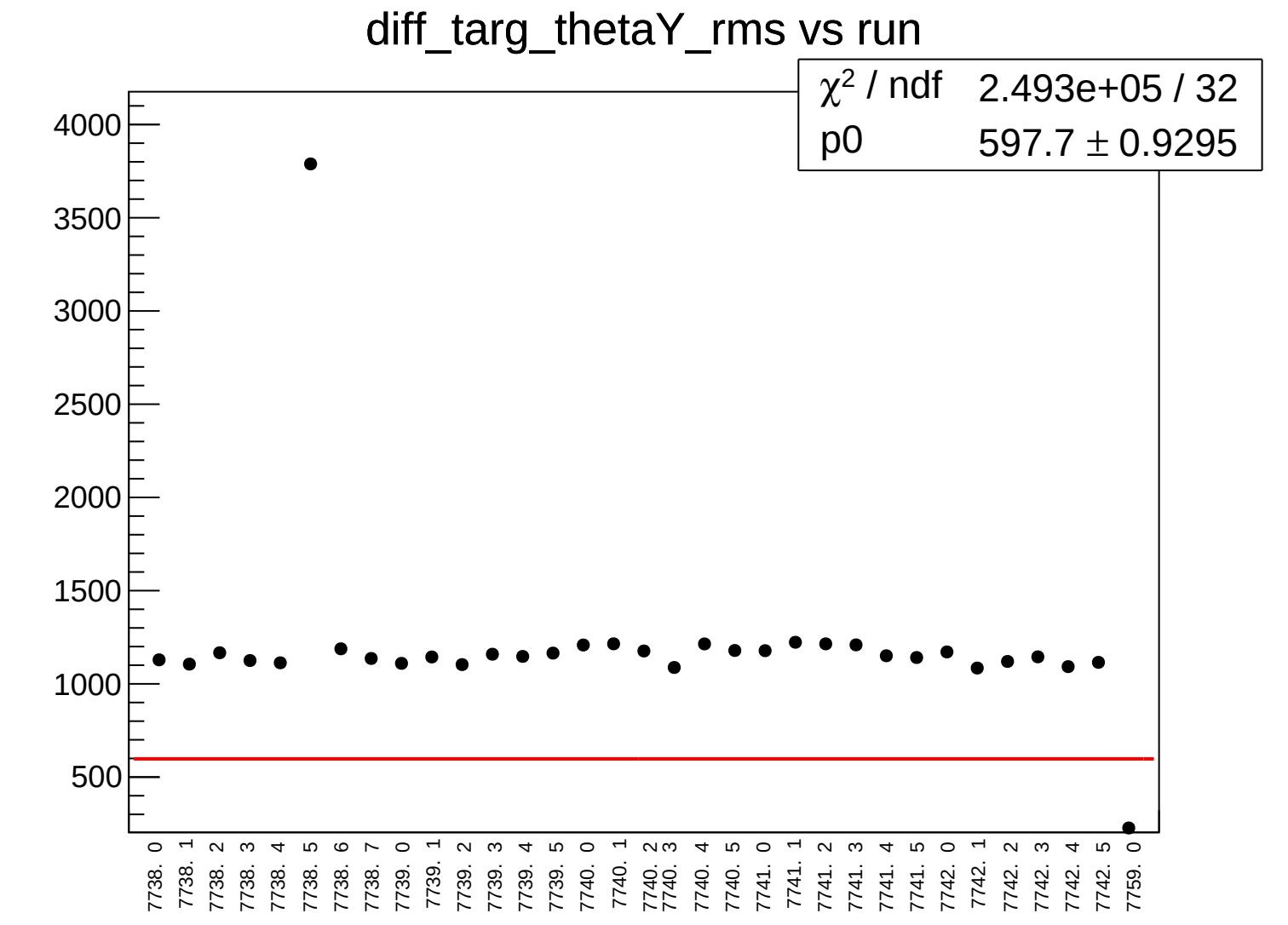

diff_targ_thetaX_mean vs run
χ² / ndf 29.9 / 32
p0 2.139 ± 2.15
pull
Entries 33
Mean 46.45
Std Dev 0

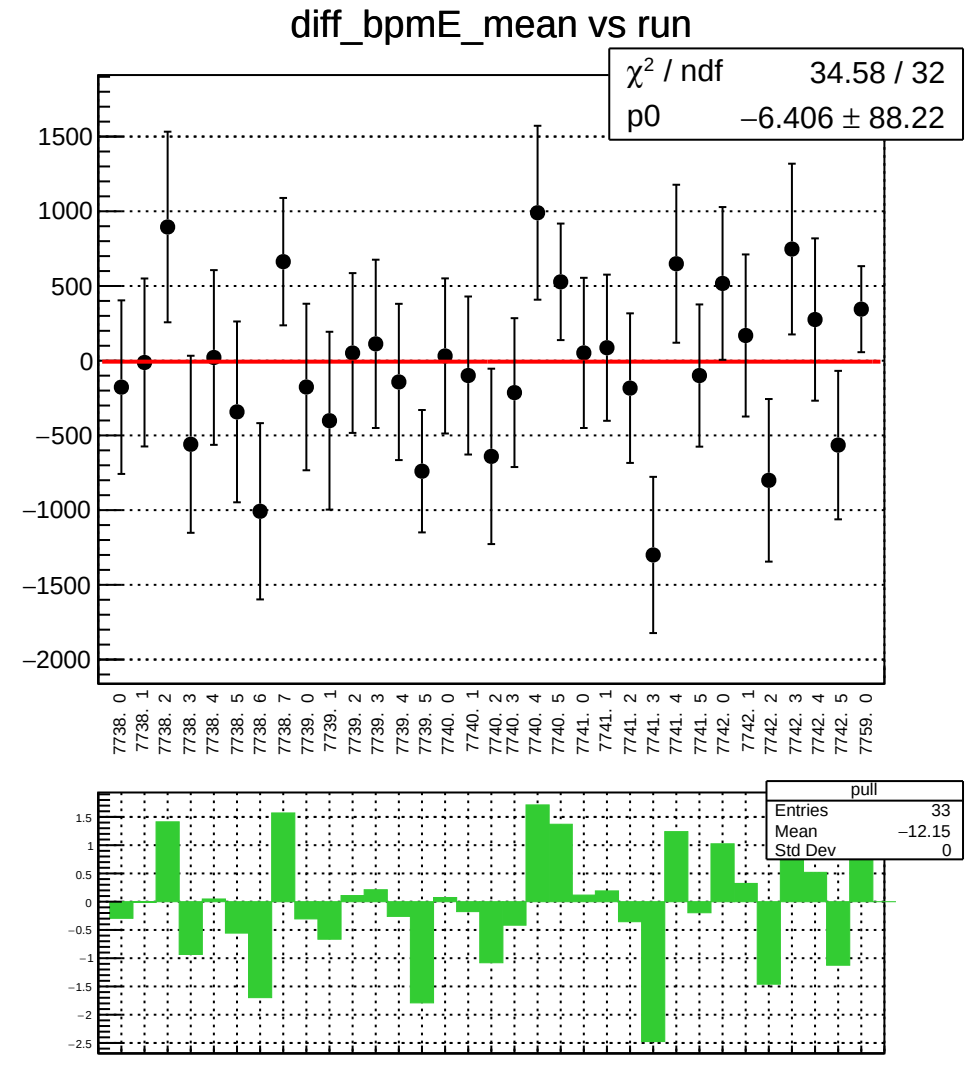

pull1D
Entries 33
Mean −0.08414
Std Dev 0.9481

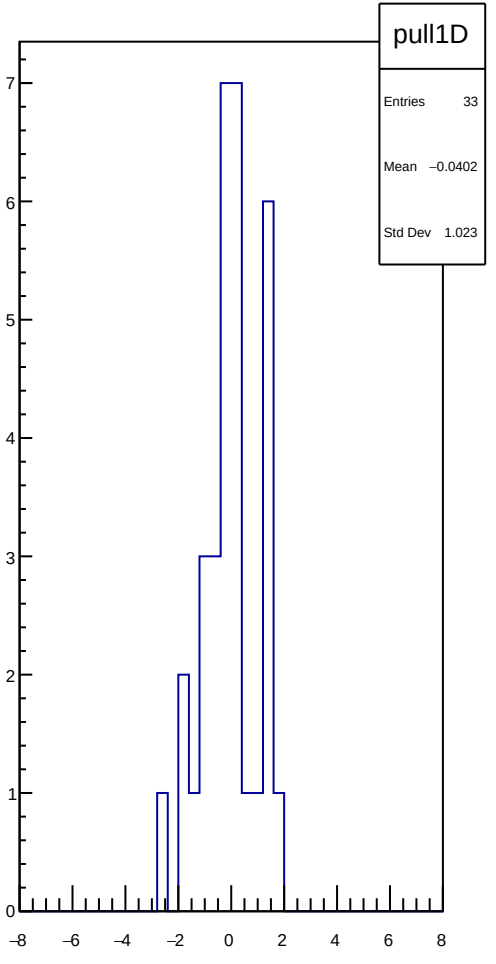

diff_targ_thetaX_rms vs run
χ² / ndf 2.155e+05 / 32
p0 1017 ± 1.52
2200
2000
1800
1600
1400
1200
1000
800
600
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

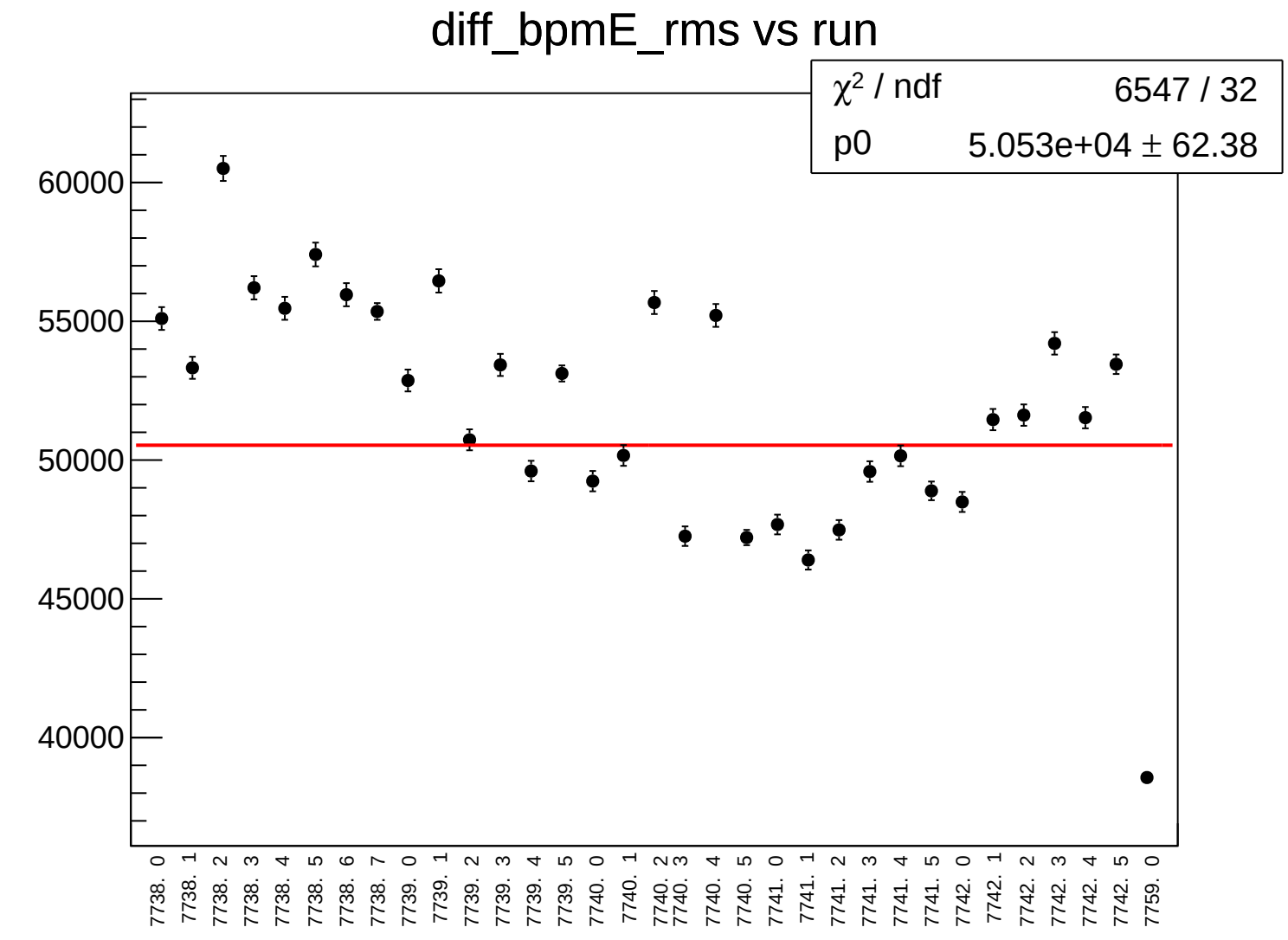

diff_targ_thetaY_mean vs run
χ² / ndf 36.88 / 32
p0 −0.1815 ± 1.314
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.61
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

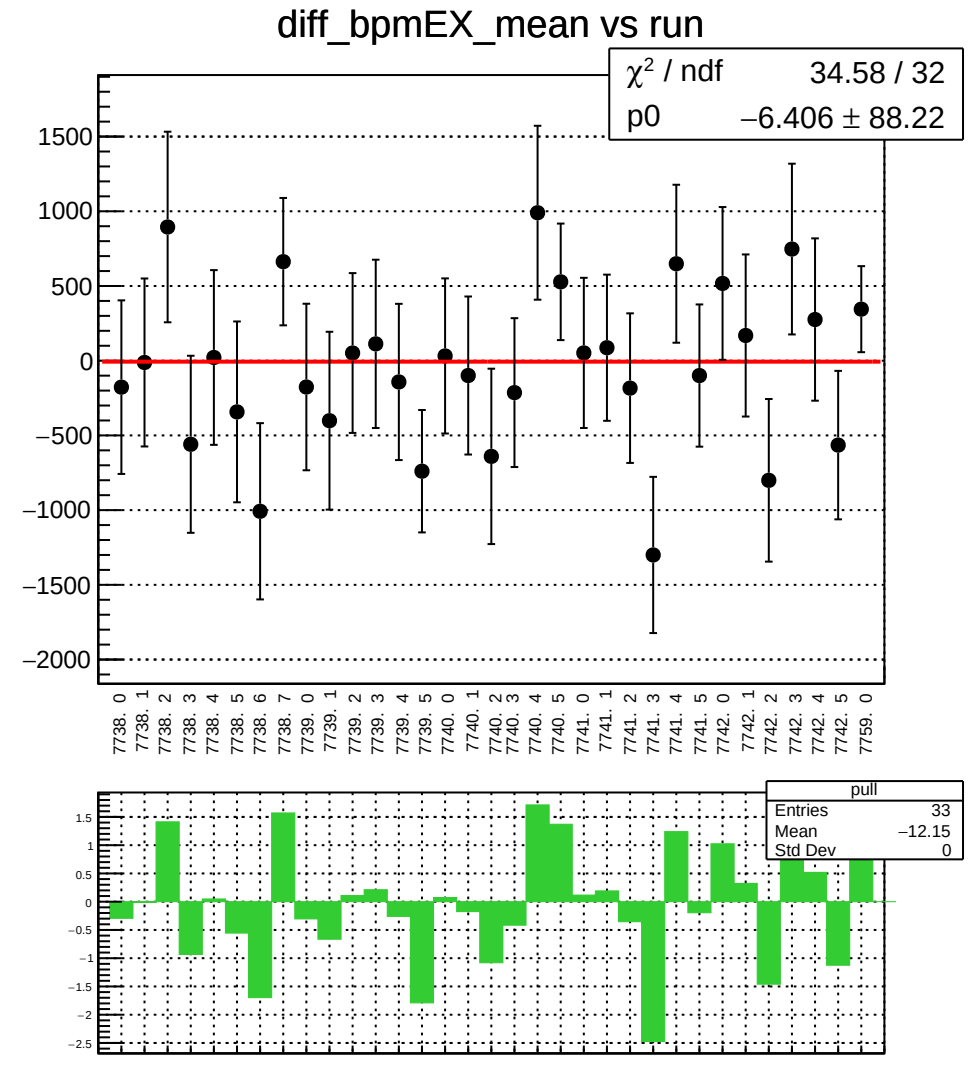

pull1D
Entries 33
Mean −0.09963
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

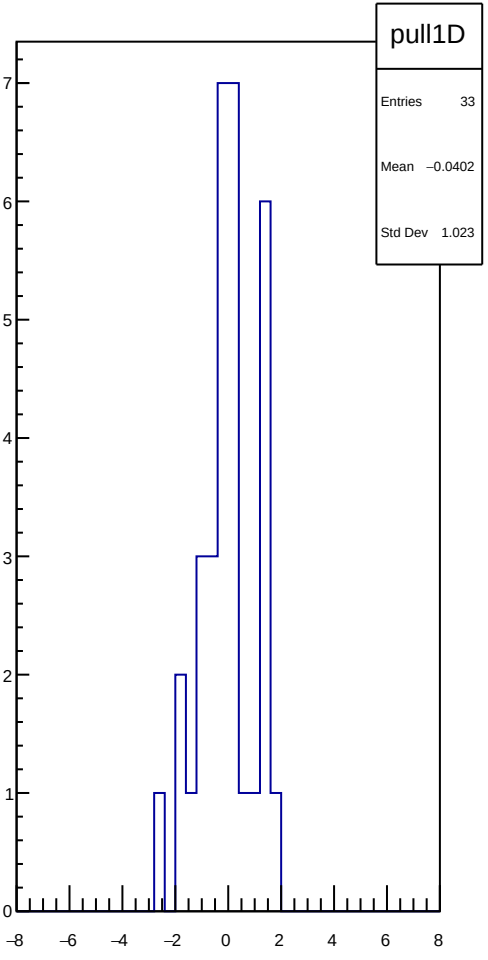

diff_targ_thetaY_rms vs run
χ² / ndf 2.493e+05 / 32
p0 597.7 ± 0.9295
4000
3500
3000
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

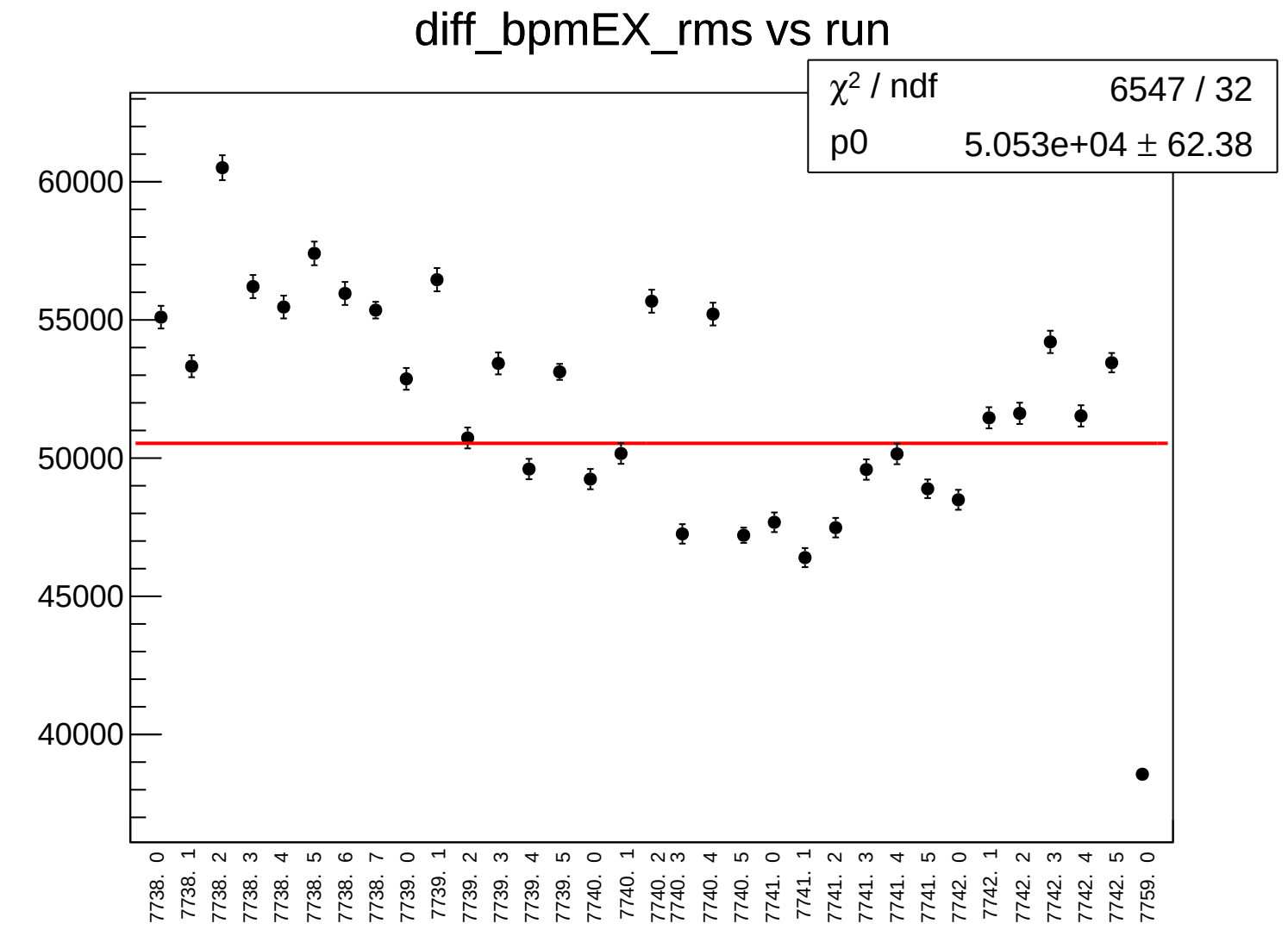

diff_bpmE_mean vs run
χ² / ndf 34.58 / 32
p0 −6.406 ± 88.22
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

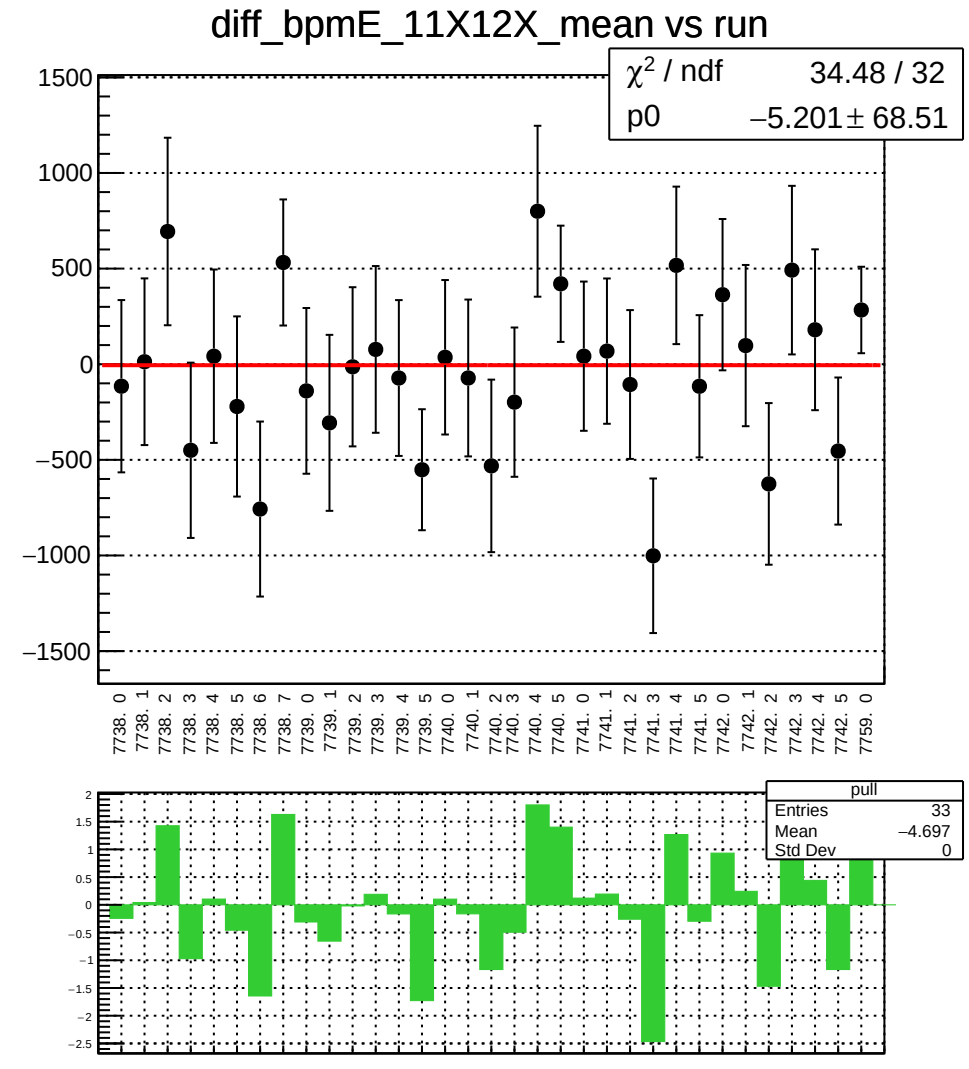

pull1D
Entries 33
Mean −0.0402
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

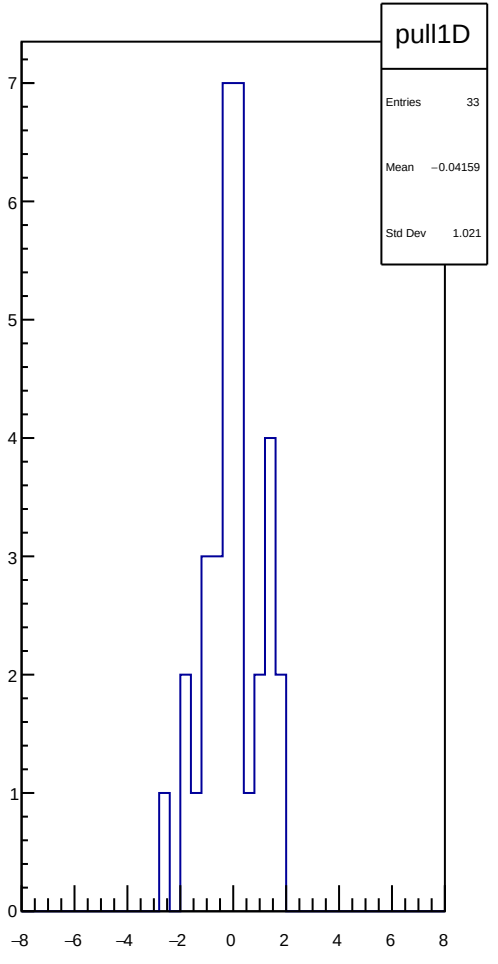

diff_bpmE_rms vs run
χ² / ndf 6547 / 32
p0 5.053e+04 ± 62.38
60000
55000
50000
45000
40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

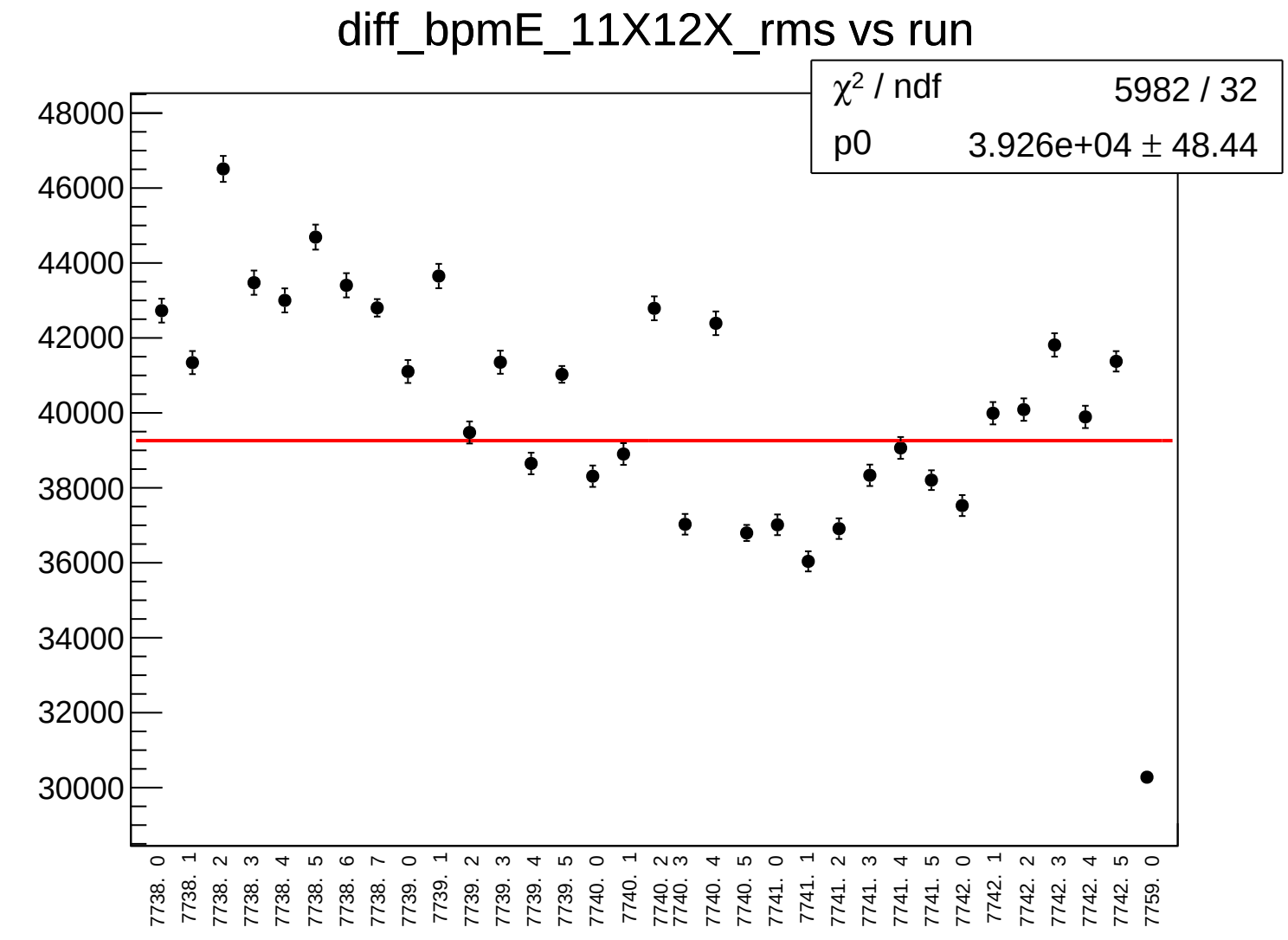

diff_bpmEX_mean vs run
χ² / ndf 34.58 / 32
p0 −6.406 ± 88.22
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

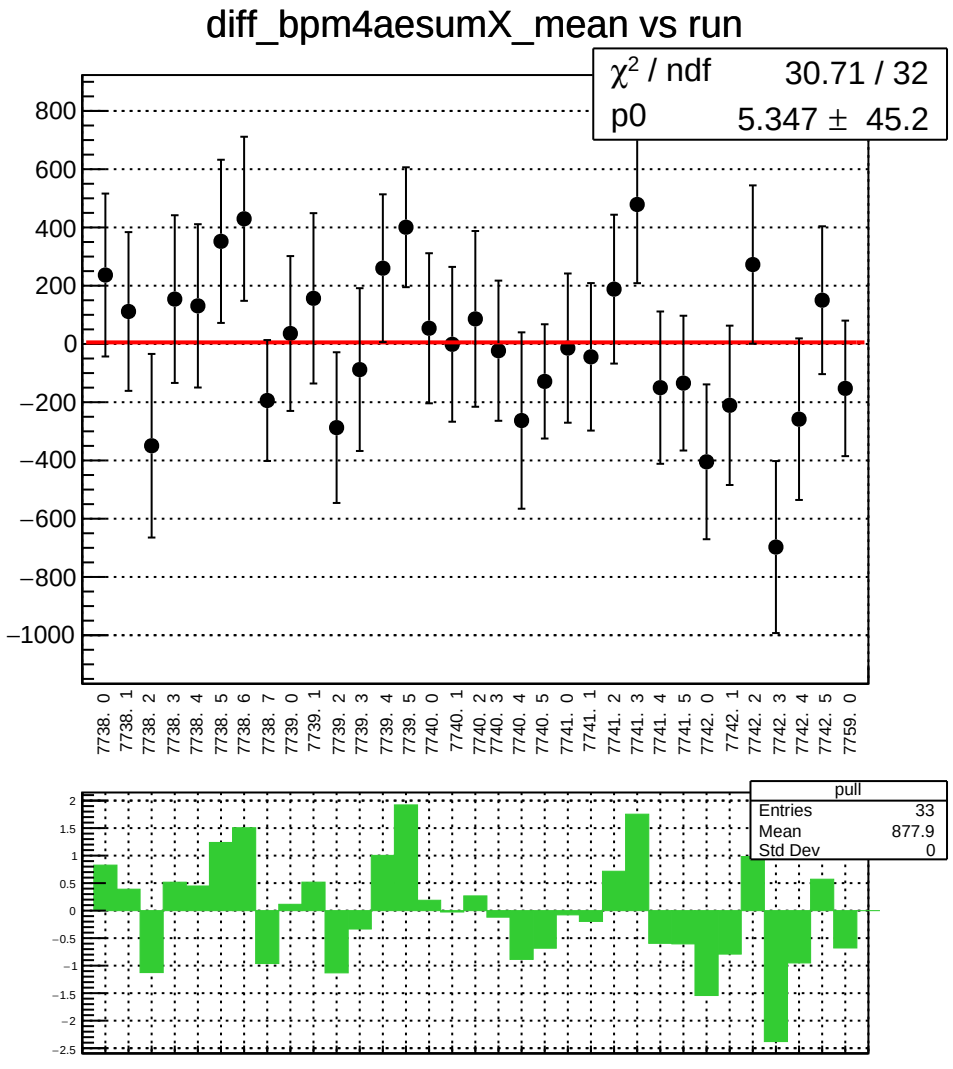

pull1D
Entries 33
Mean −0.0402
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

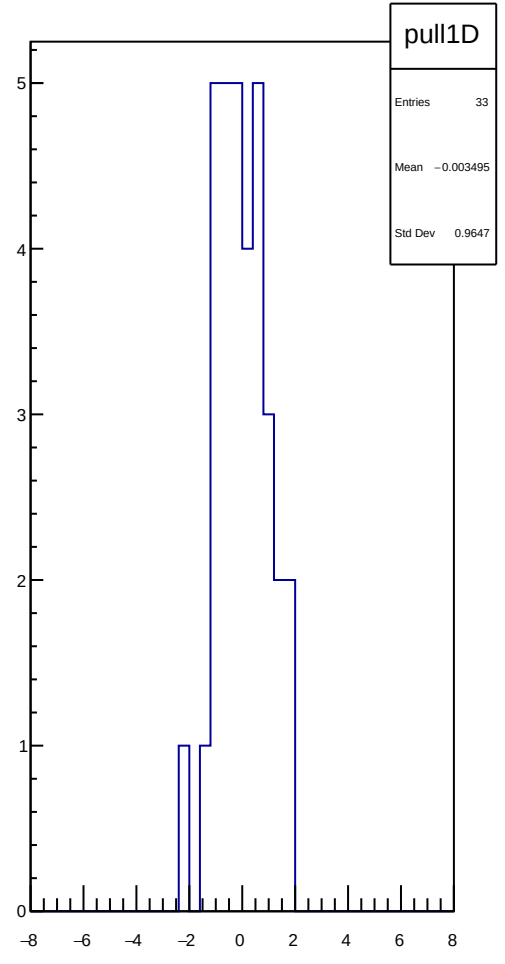

diff_bpmEX_rms vs run
χ² / ndf 6547 / 32
p0 5.053e+04 ± 62.38
60000
55000
50000
45000
40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

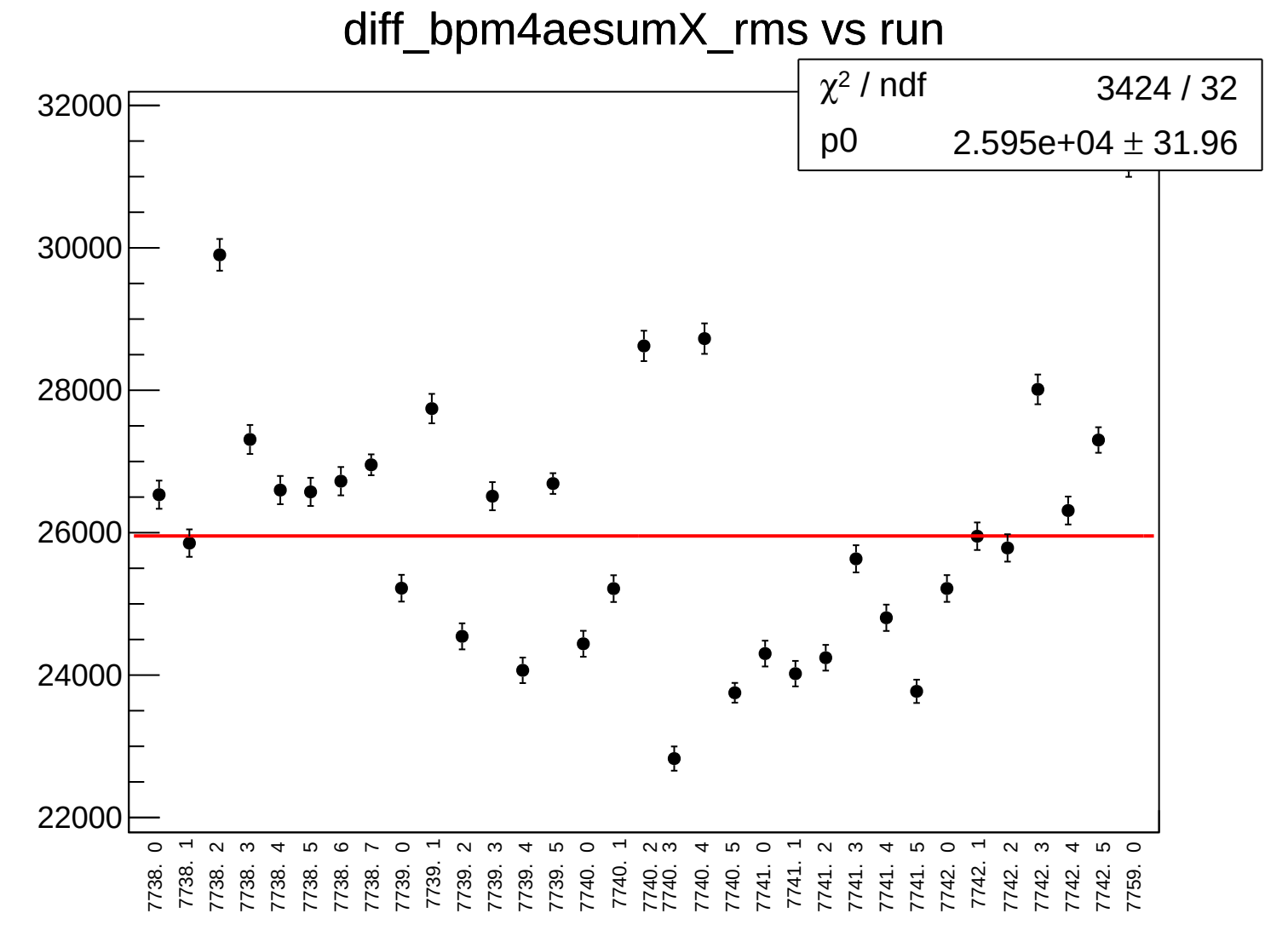

diff_bpmE_11X12X_mean vs run
χ² / ndf 34.48 / 32
p0 −5.201 ± 68.51
1500
1000
500
0
−500
−1000
−1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.697
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

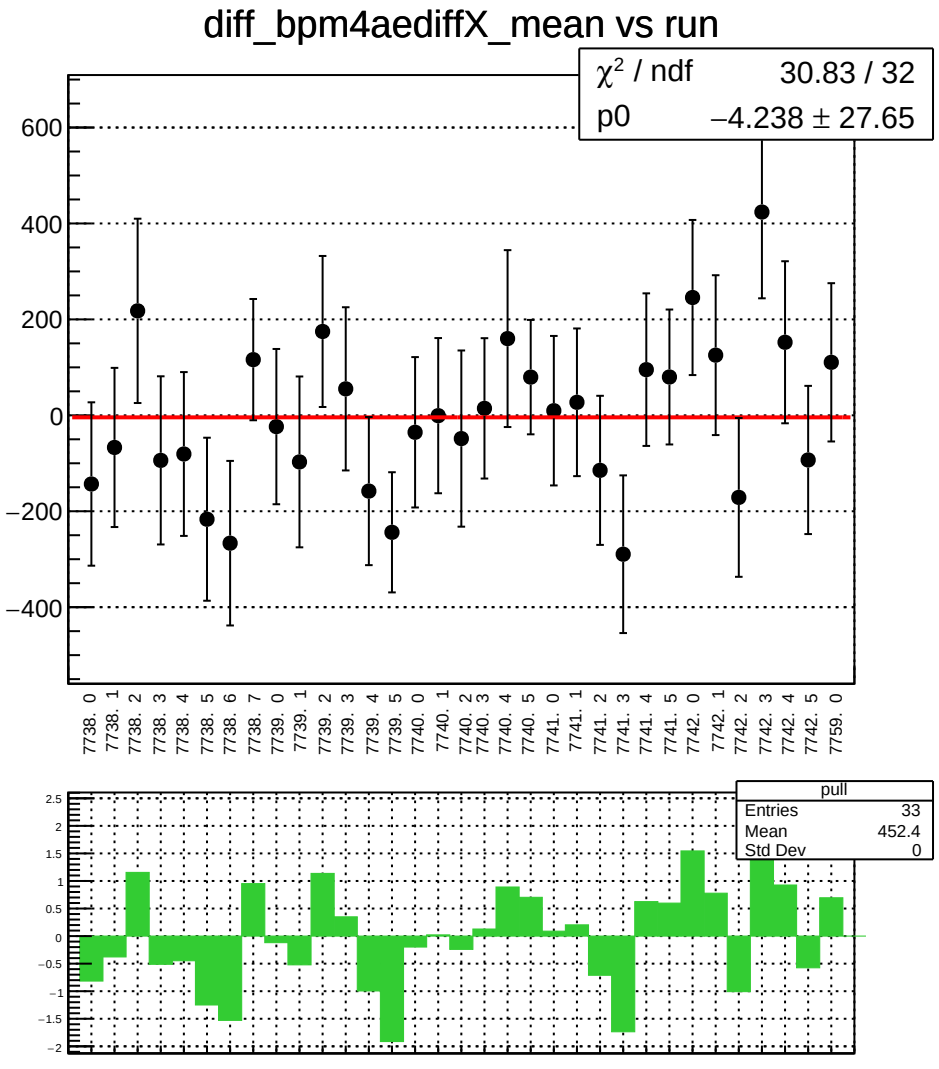

pull1D
Entries 33
Mean −0.04159
Std Dev 1.021
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

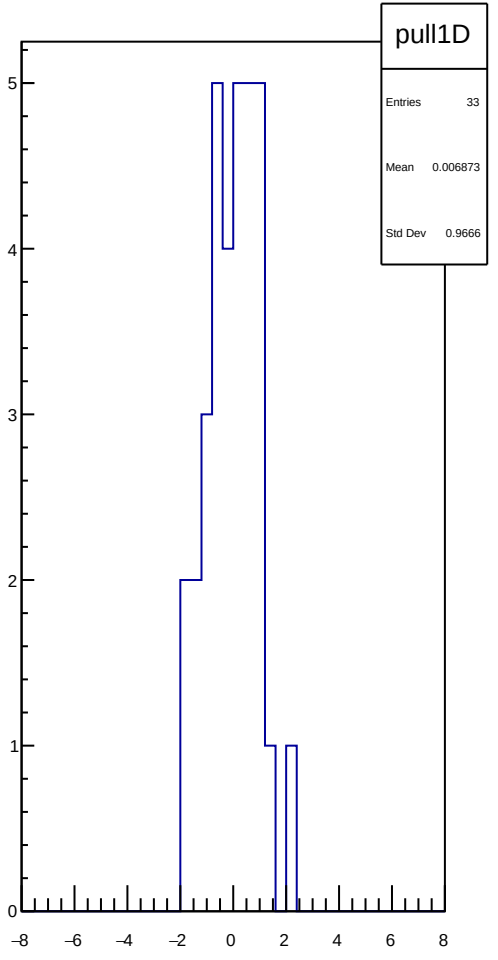

diff_bpmE_11X12X_rms vs run
χ² / ndf 5982 / 32
p0 3.926e+04 ± 48.44
48000
46000
44000
42000
40000
38000
36000
34000
32000
30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

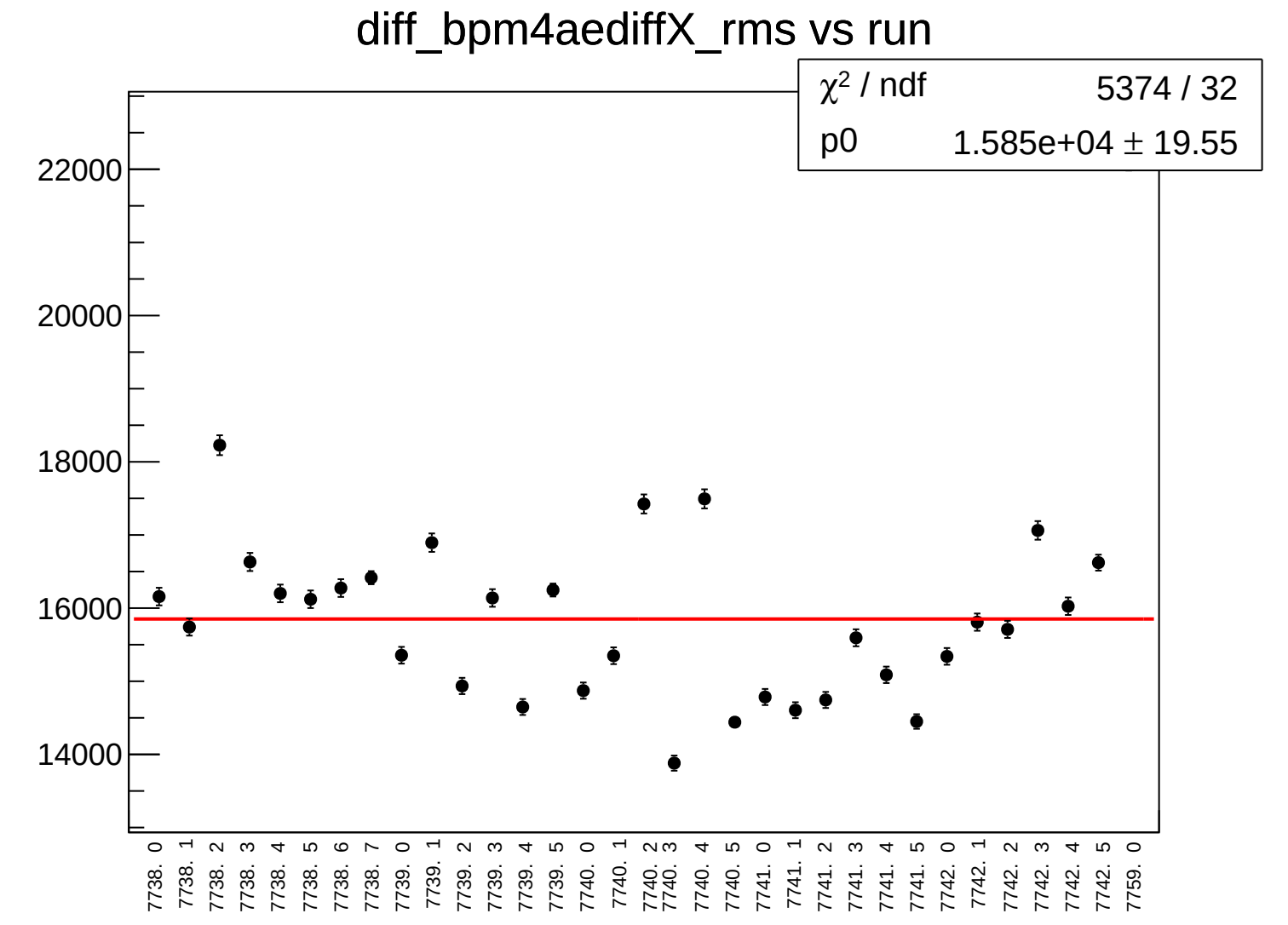

diff_bpm4aesumX_mean vs run
χ² / ndf 30.71 / 32
p0 5.347 ± 45.2
800
600
400
200
0
−200
−400
−600
−800
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 877.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

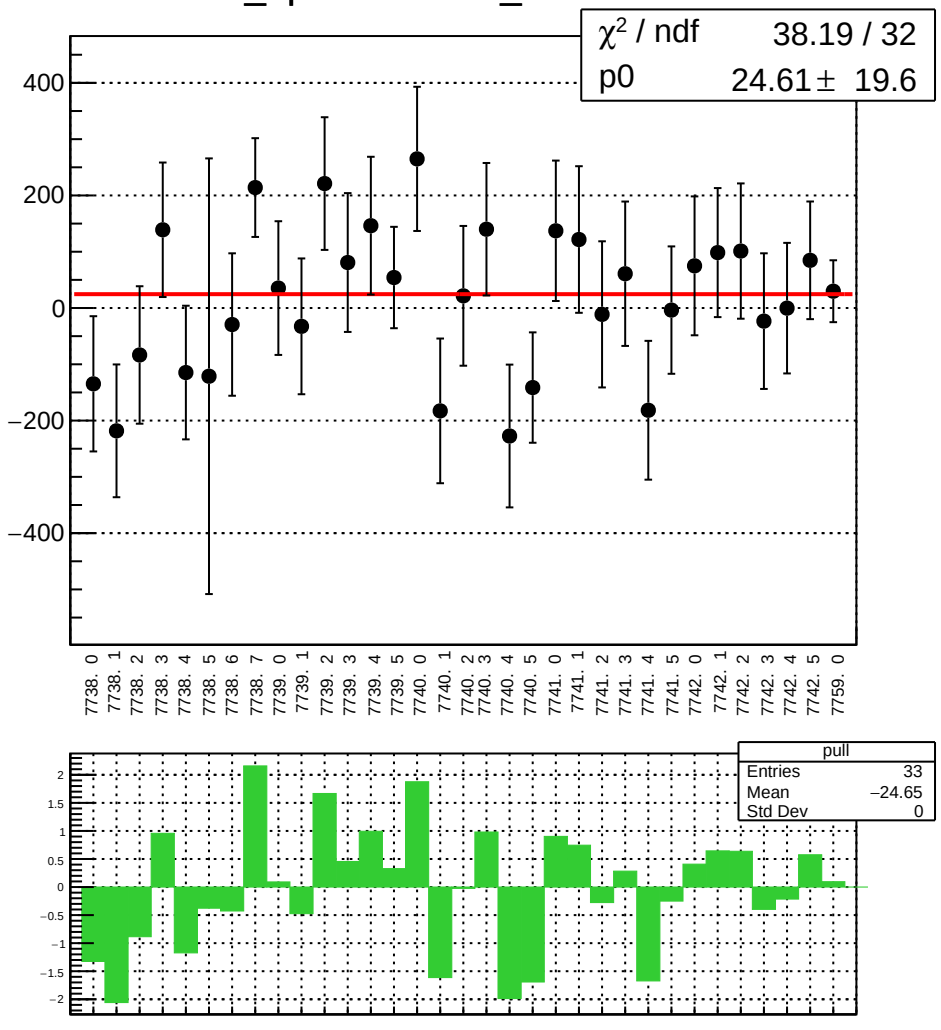

pull1D
Entries 33
Mean −0.003495
Std Dev 0.9647
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

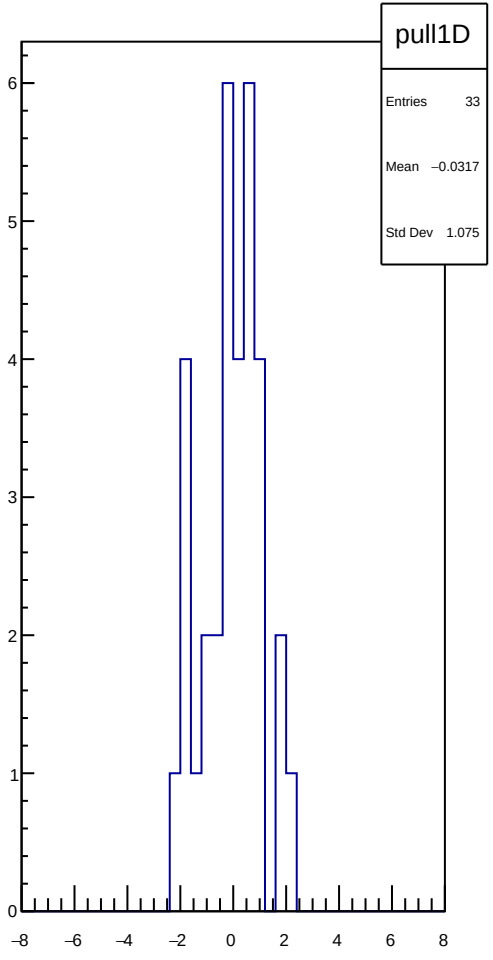

diff_bpm4aesumX_rms vs run
χ² / ndf 3424 / 32
p0 2.595e+04 ± 31.96
32000
30000
28000
26000
24000
22000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

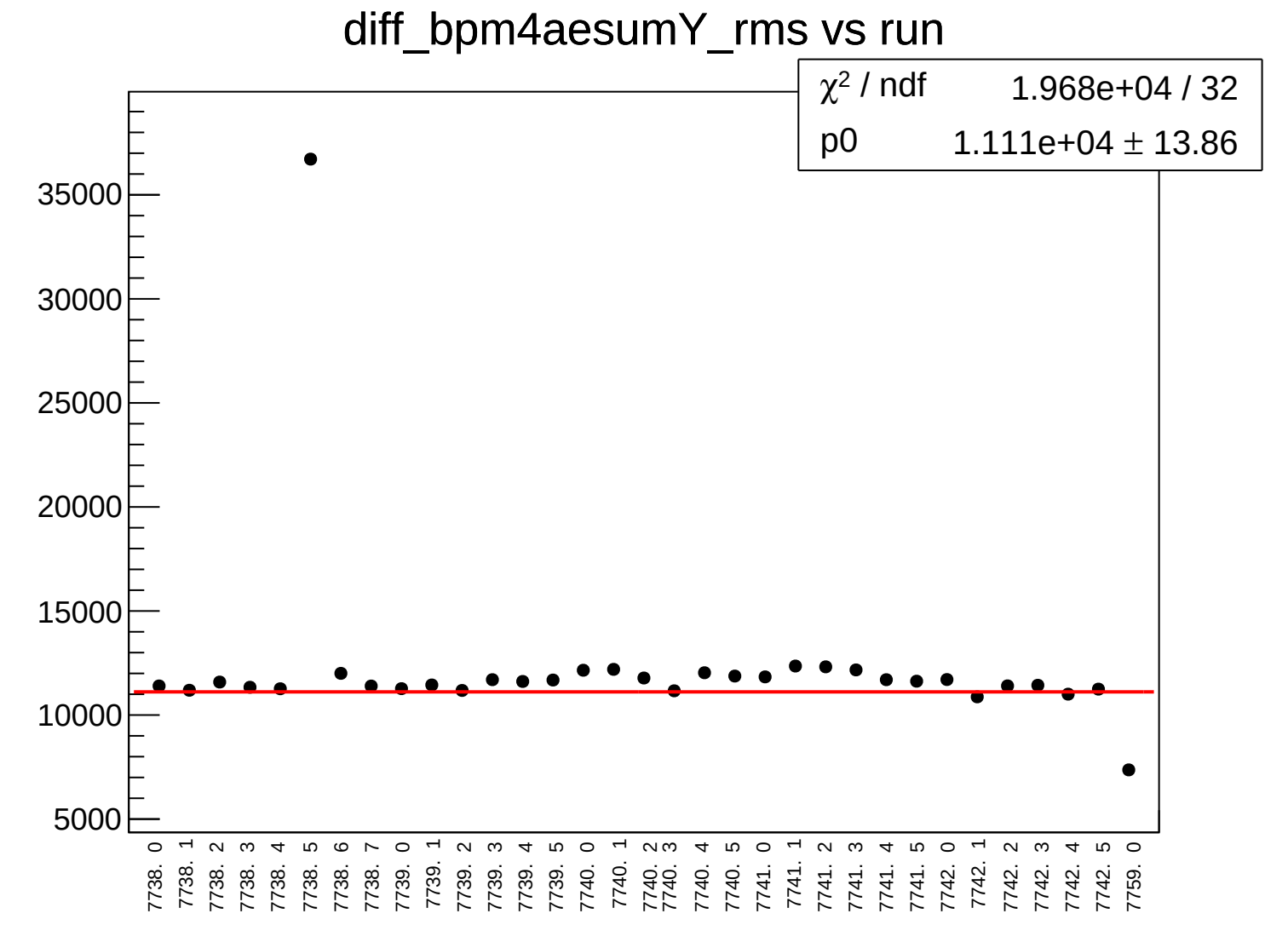

diff_bpm4aediffX_mean vs run
χ² / ndf 30.83 / 32
p0 −4.238 ± 27.65
600
400
200
0
−200
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 452.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

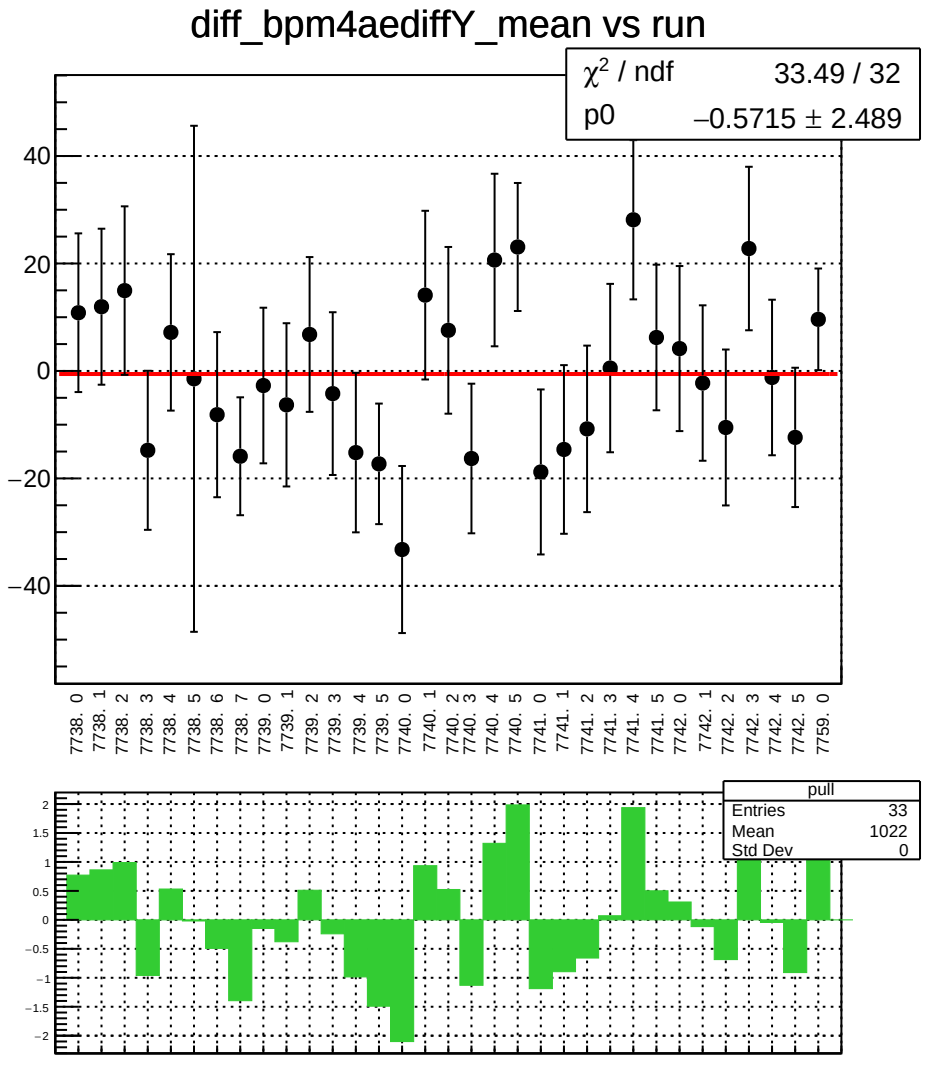

pull1D
Entries 33
Mean 0.006873
Std Dev 0.9666
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

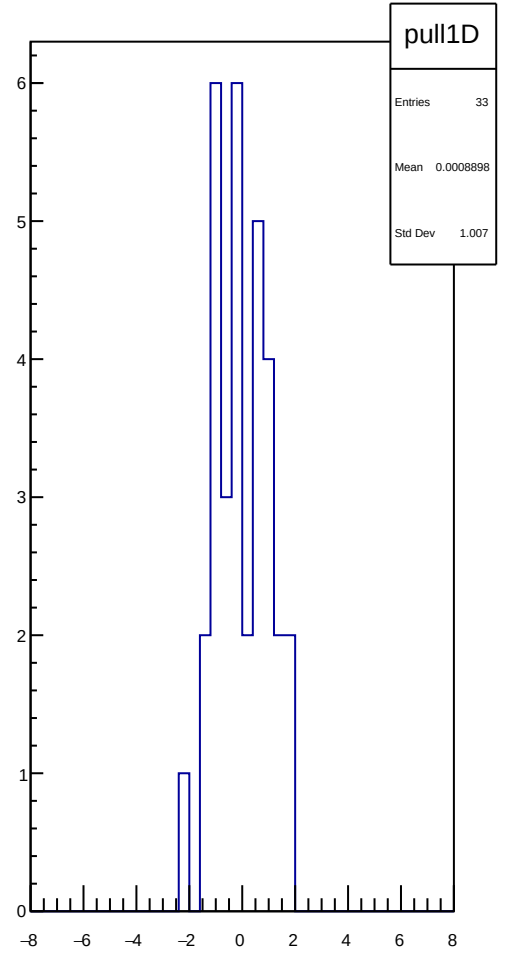

diff_bpm4aediffX_rms vs run
χ² / ndf 5374 / 32
p0 1.585e+04 ± 19.55
22000
20000
18000
16000
14000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

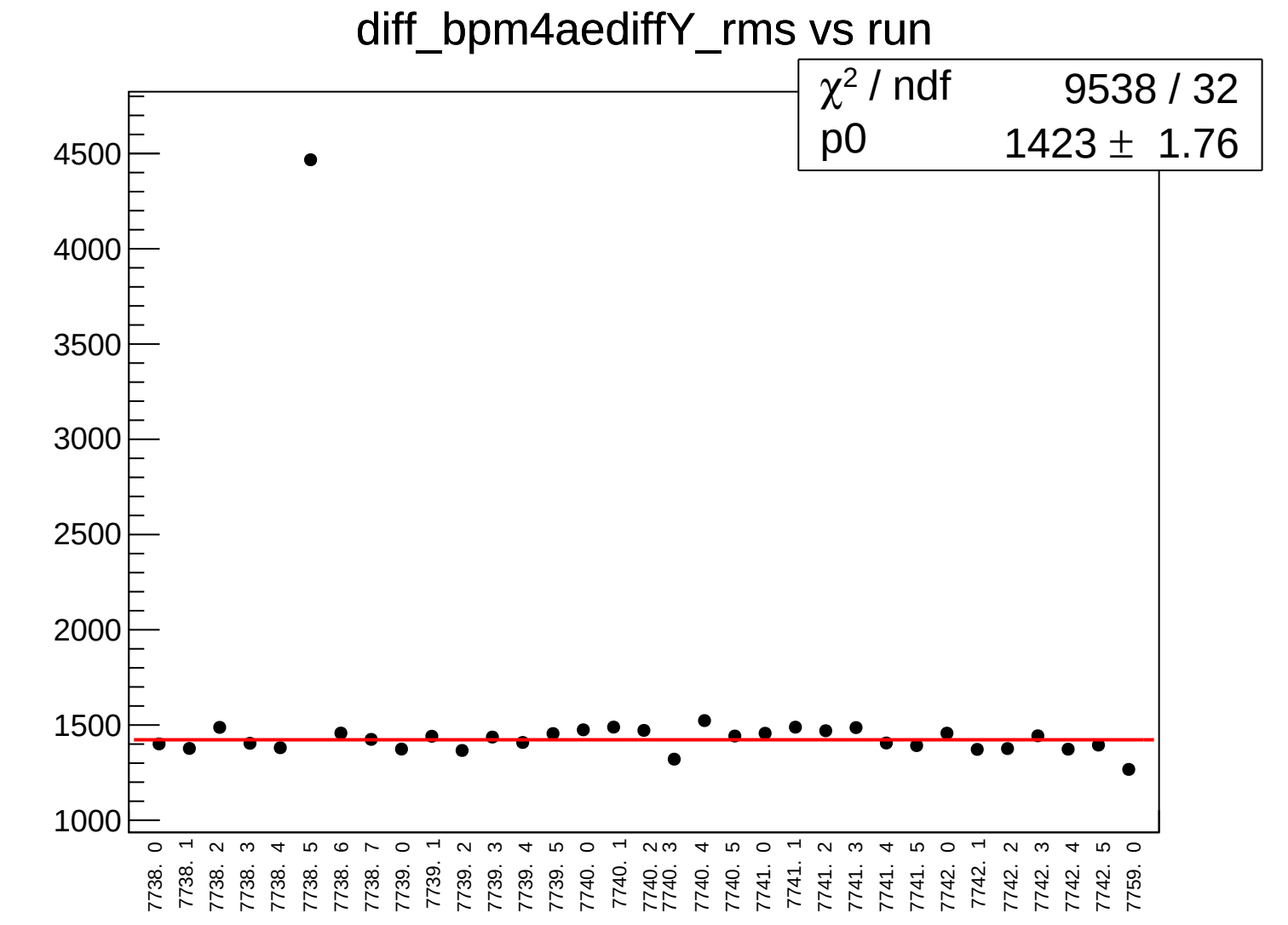

diff_bpm4aesumY_mean vs run
χ² / ndf 38.19 / 32
p0 24.61 ± 19.6
400
200
0
−200
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

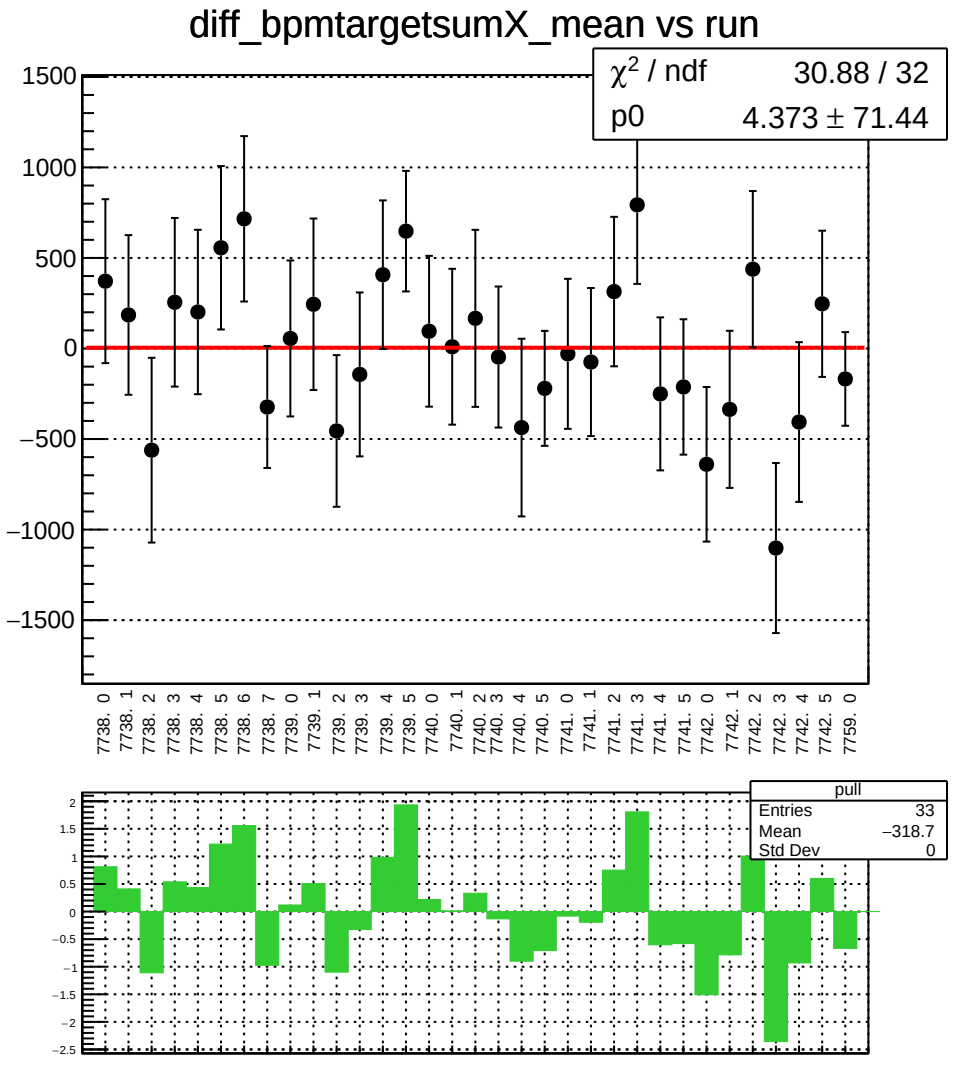

pull1D
Entries 33
Mean −0.0317
Std Dev 1.075
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

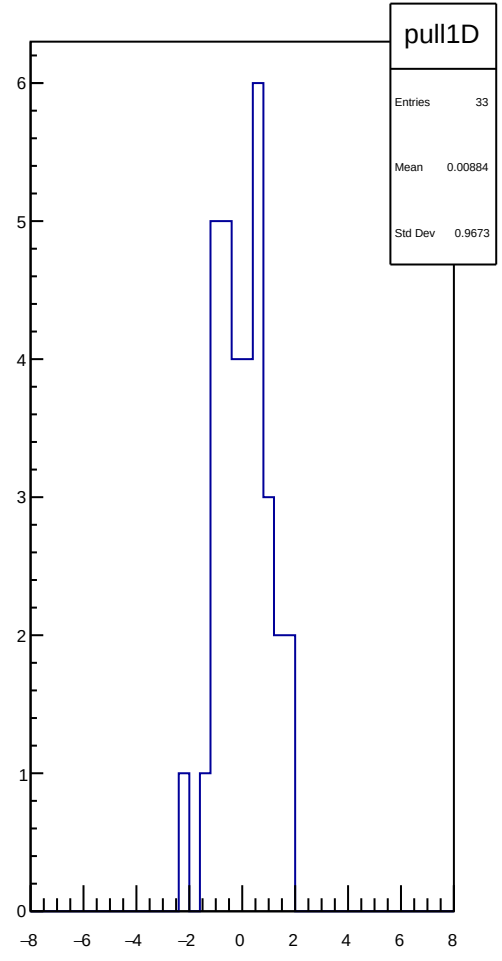

diff_bpm4aesumY_rms vs run
χ² / ndf 1.968e+04 / 32
p0 1.111e+04 ± 13.86
35000
30000
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

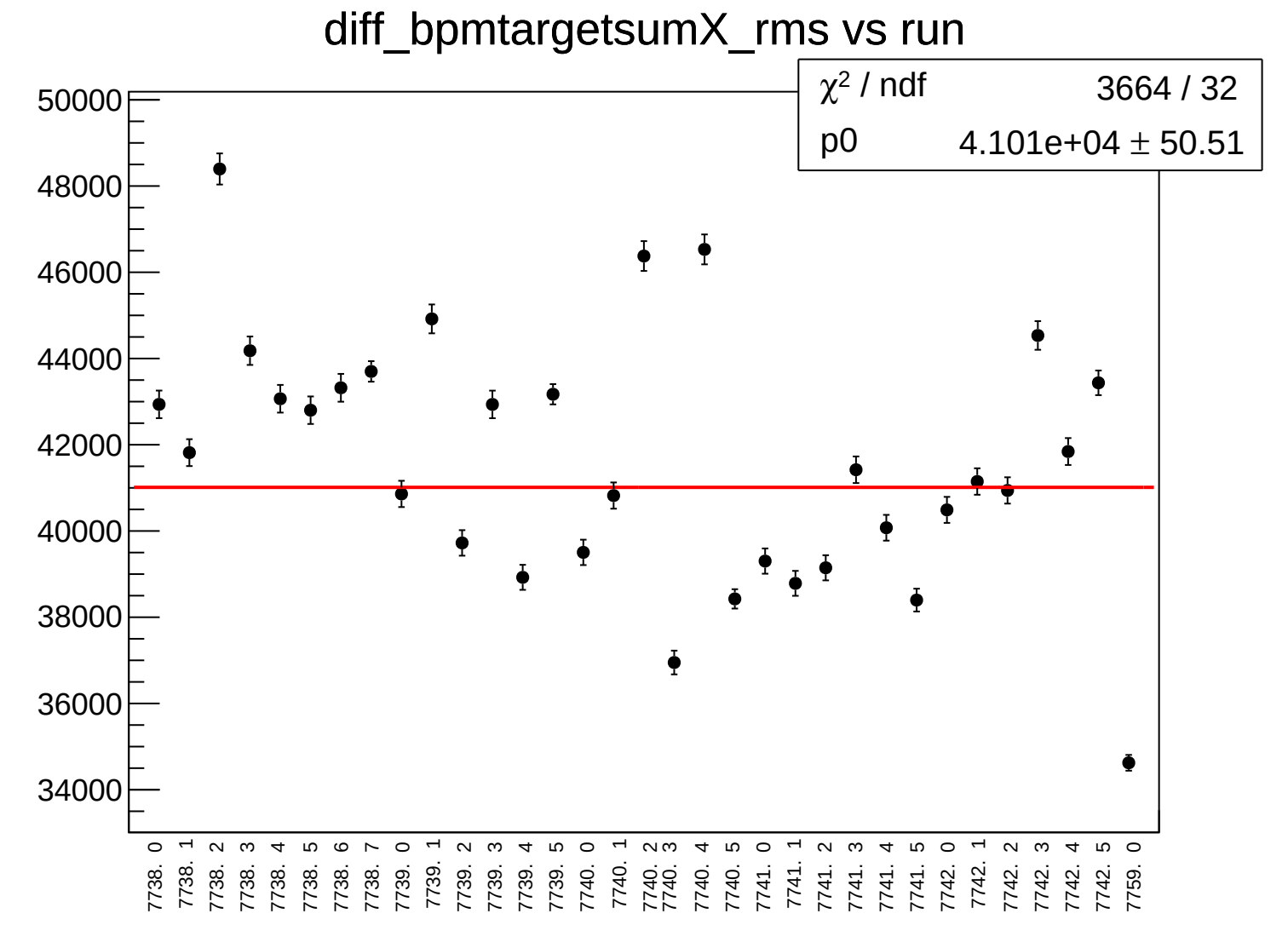

diff_bpm4aediffY_mean vs run
χ² / ndf 33.49 / 32
p0 −0.5715 ± 2.489
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1022
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

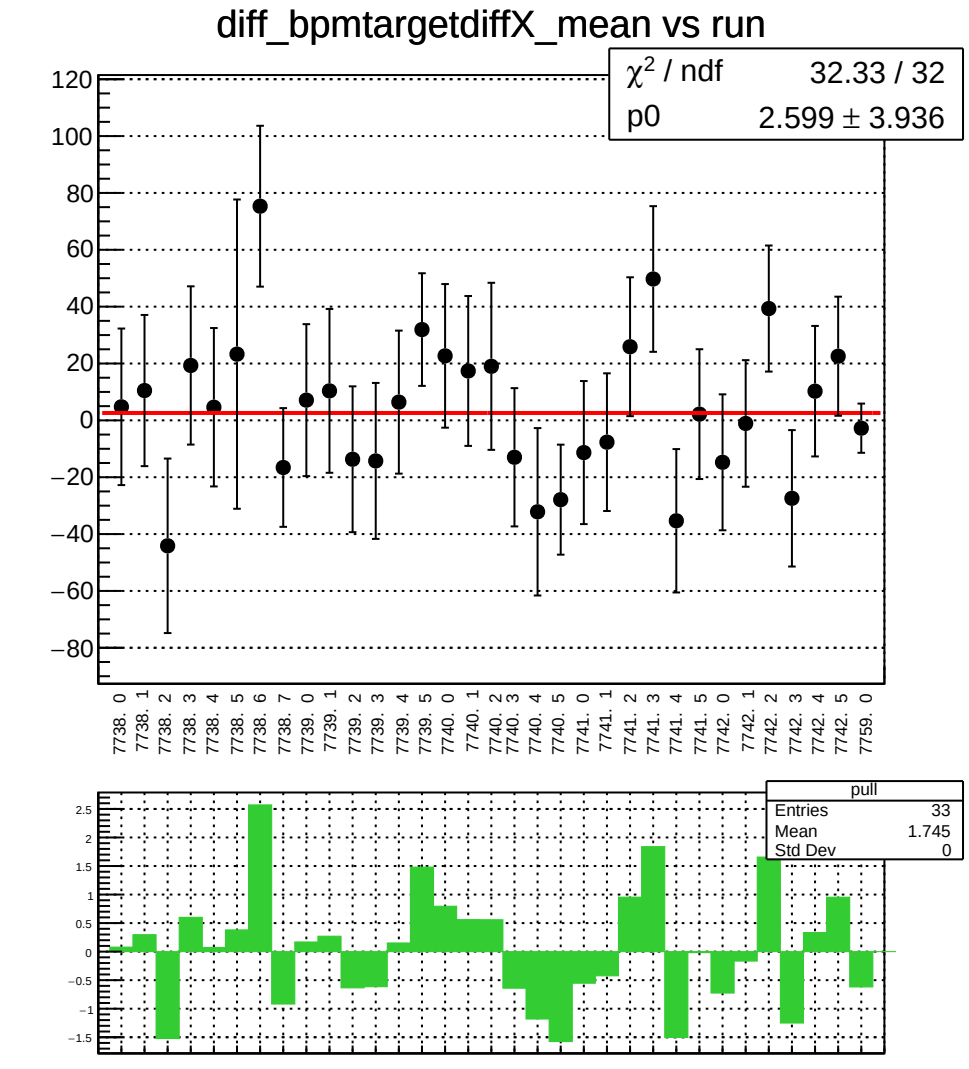

pull1D
Entries 33
Mean 0.0008898
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

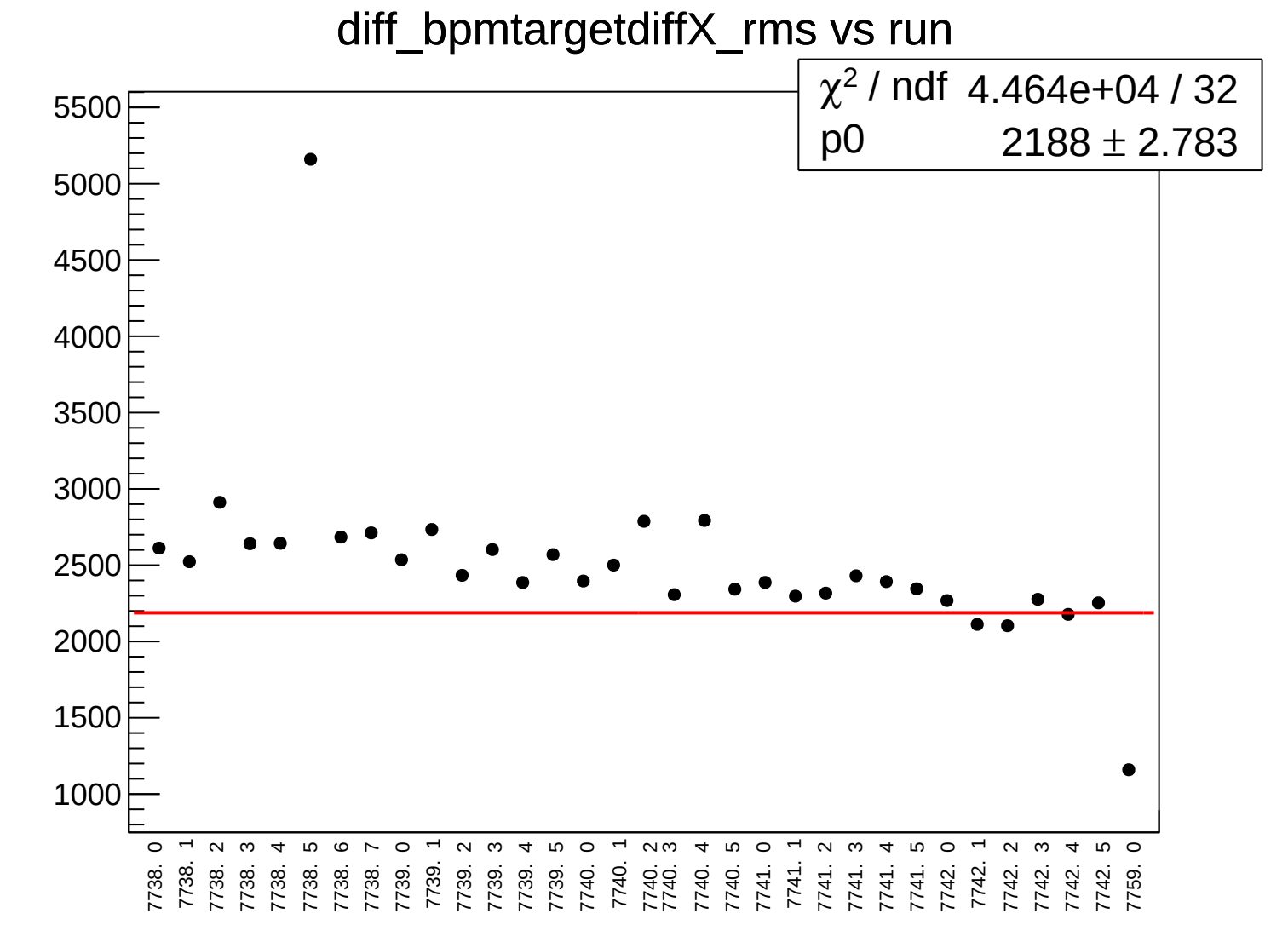

diff_bpm4aediffY_rms vs run
χ² / ndf 9538 / 32
p0 1423 ± 1.76
4500
4000
3500
3000
2500
2000
1500
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

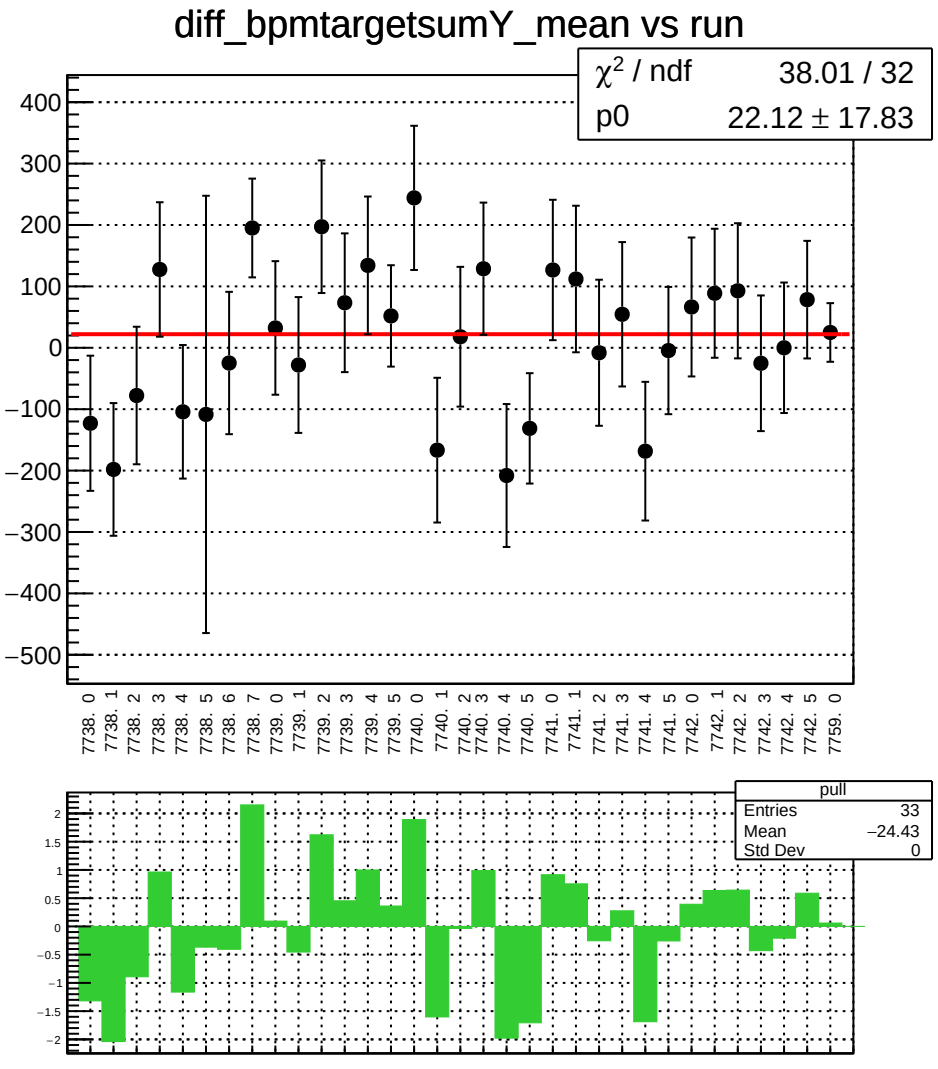

diff_bpmtargetsumX_mean vs run
χ² / ndf 30.88 / 32
p0 4.373 ± 71.44
1500
1000
500
0
−500
−1000
−1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −318.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

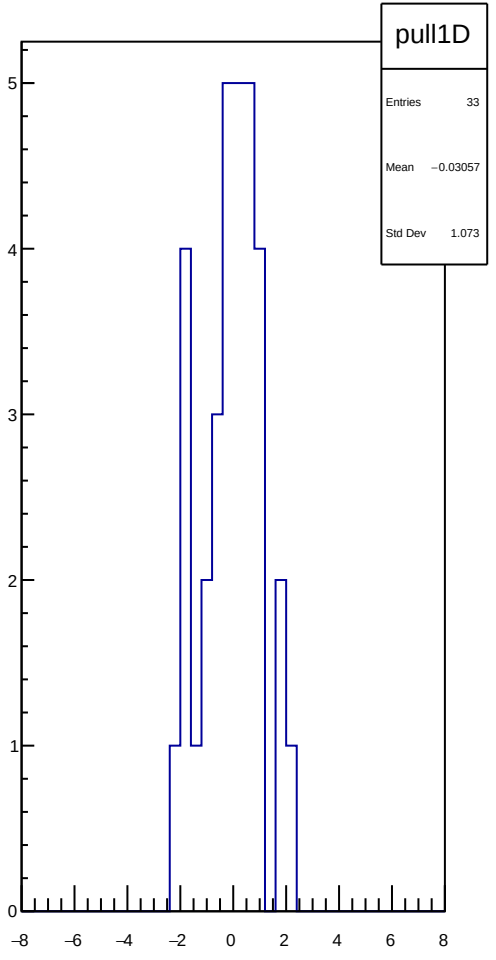

pull1D
Entries 33
Mean 0.00884
Std Dev 0.9673
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

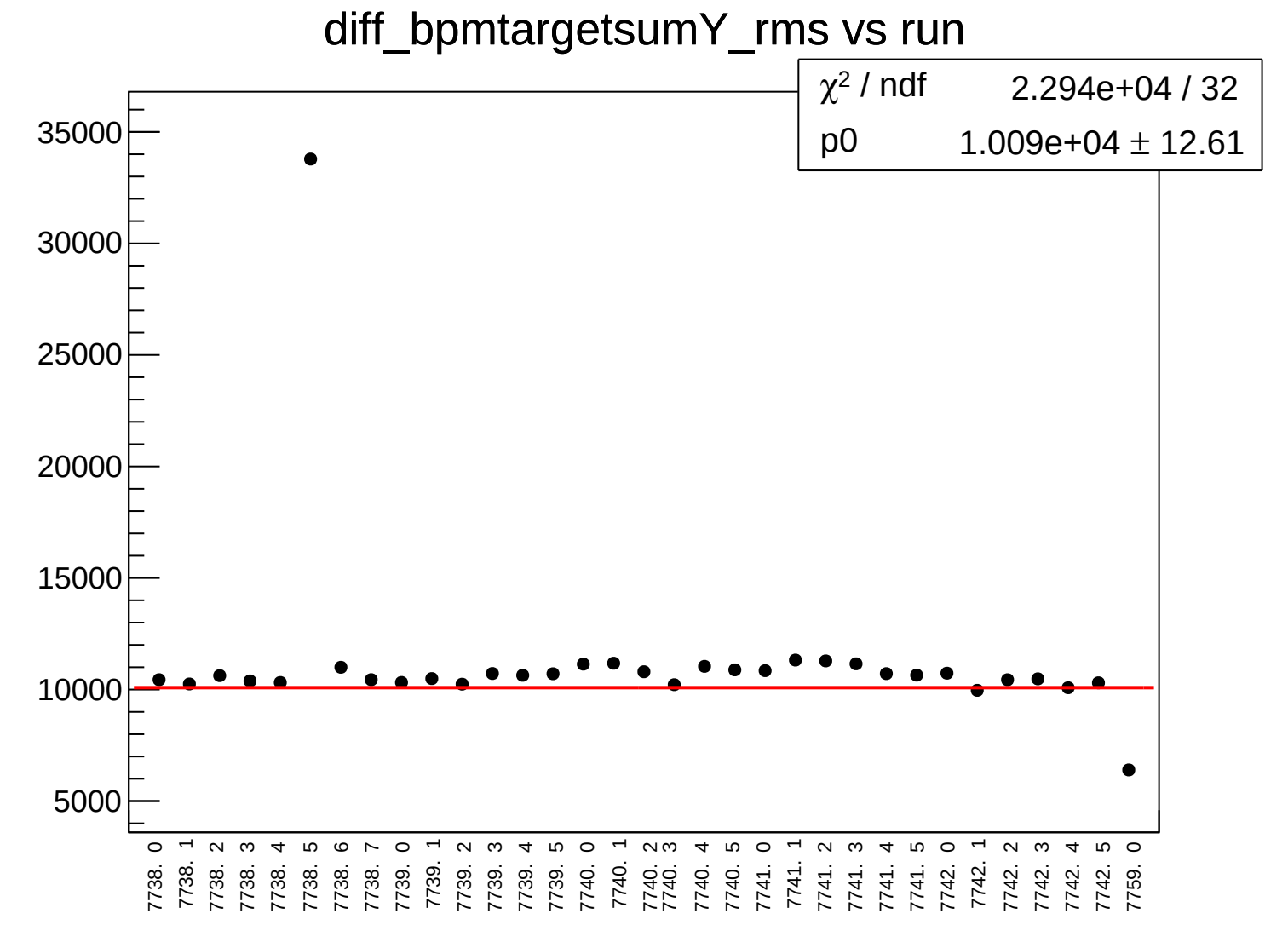

diff_bpmtargetsumX_rms vs run
χ² / ndf 3664 / 32
p0 4.101e+04 ± 50.51
50000
48000
46000
44000
42000
40000
38000
36000
34000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

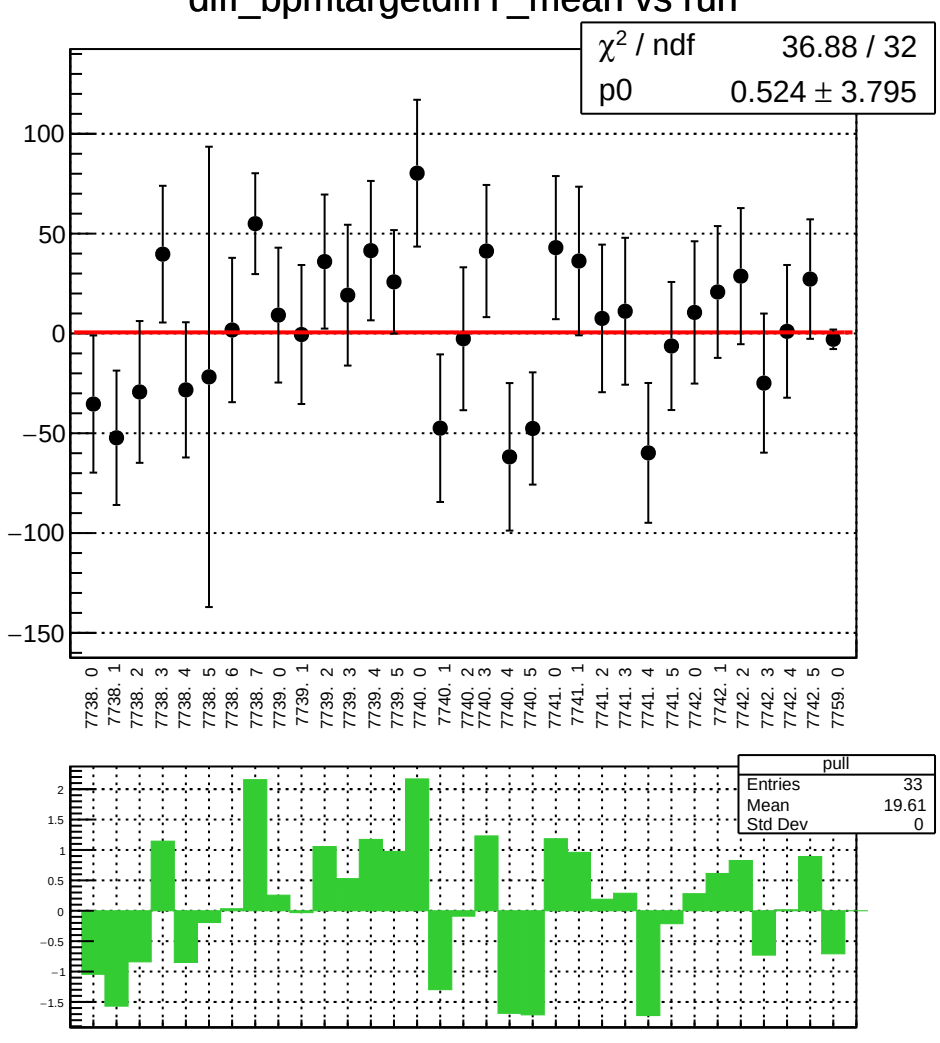

diff_bpmtargetdiffX_mean vs run
χ² / ndf 32.33 / 32
p0 2.599 ± 3.936
pull
Entries 33
Mean 1.745
Std Dev 0
pull1D
Entries 33
Mean 0.04169
Std Dev 0.9889

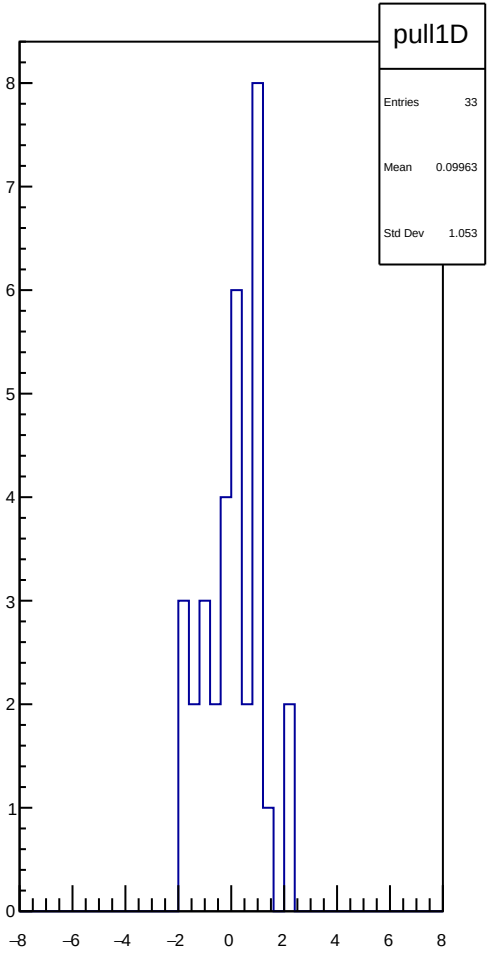

diff_bpmtargetdiffX_rms vs run
χ² / ndf 4.464e+04 / 32
p0 2188 ± 2.783
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

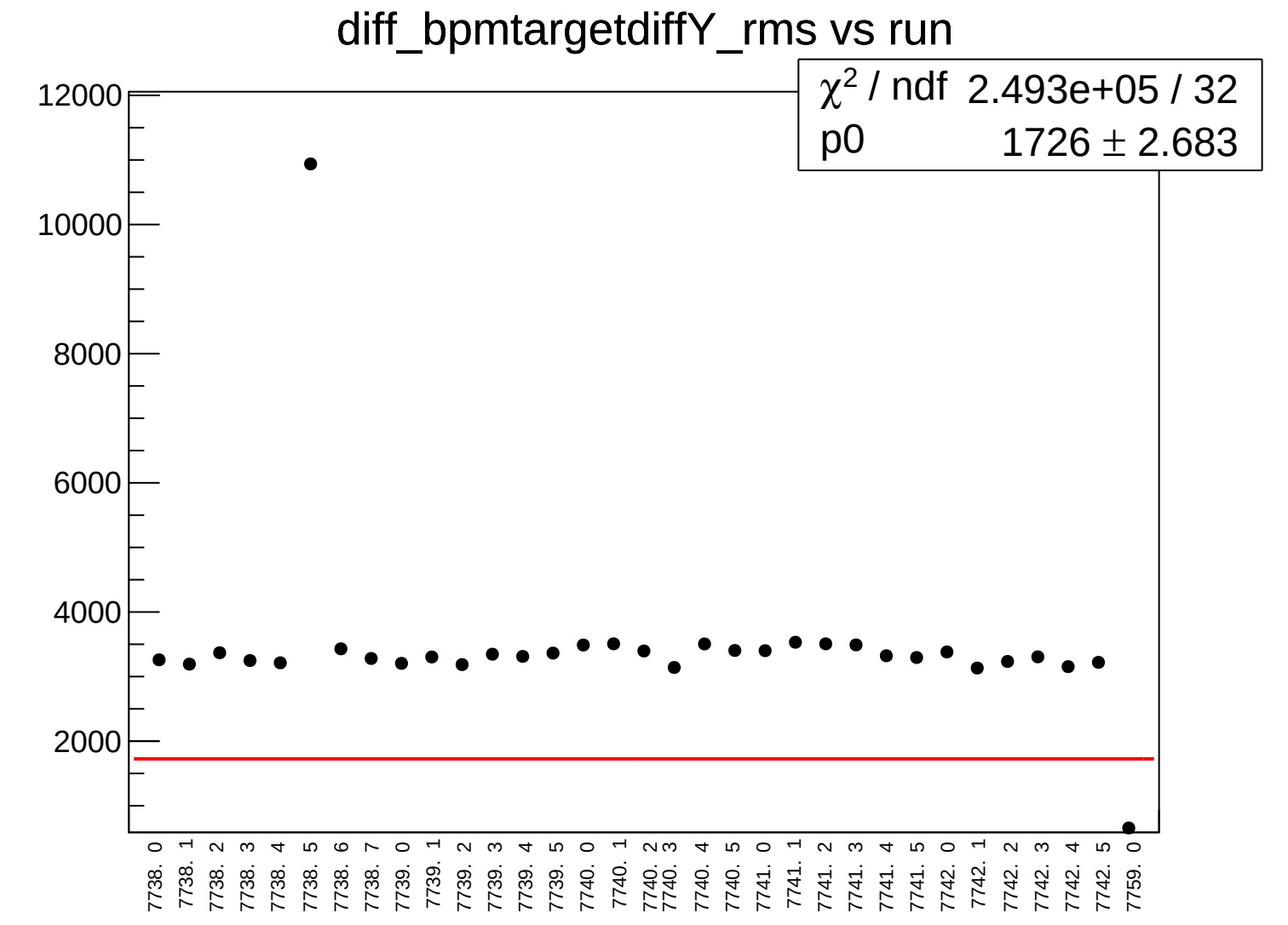

diff_bpmtargetsumY_mean vs run
χ² / ndf 38.01 / 32
p0 22.12 ± 17.83
pull
Entries 33
Mean −24.43
Std Dev 0

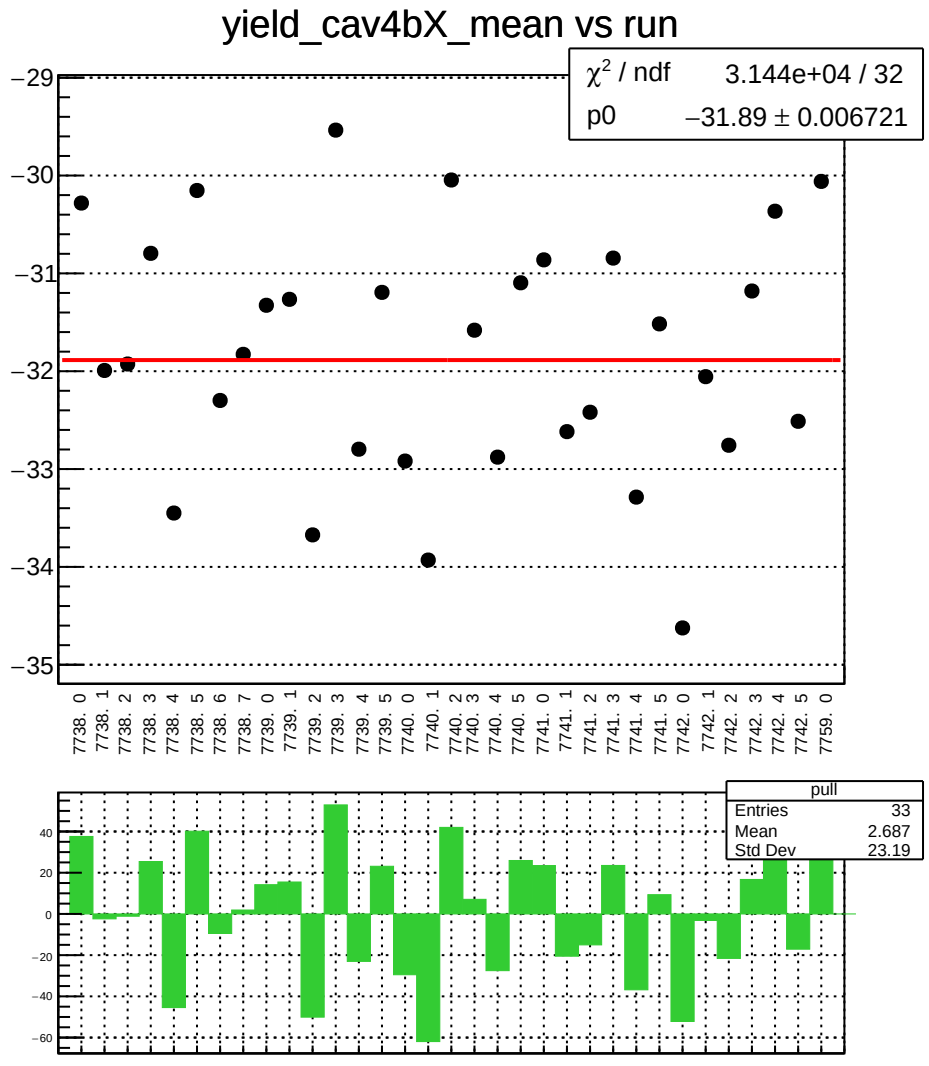

pull1D
Entries 33
Mean −0.03057
Std Dev 1.073

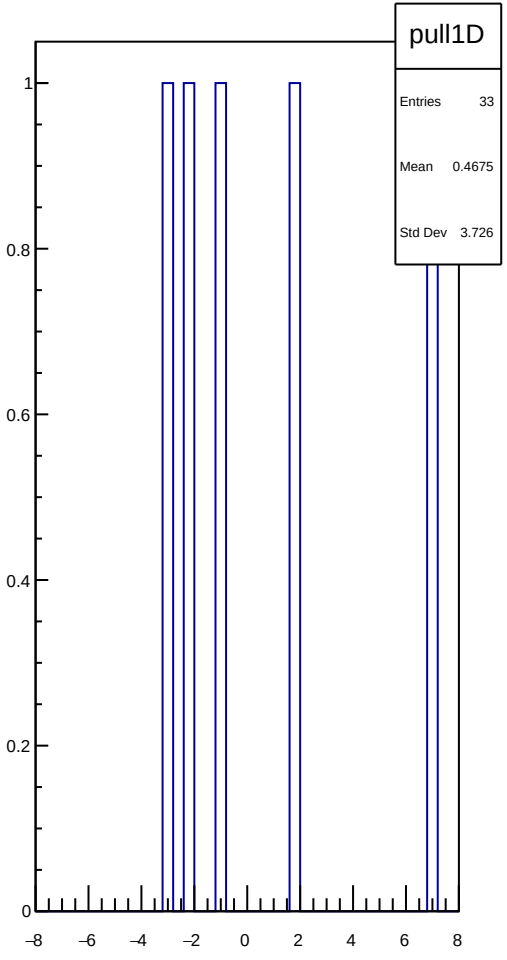

diff_bpmtargetsumY_rms vs run
χ² / ndf 2.294e+04 / 32
p0 1.009e+04 ± 12.61
35000
30000
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

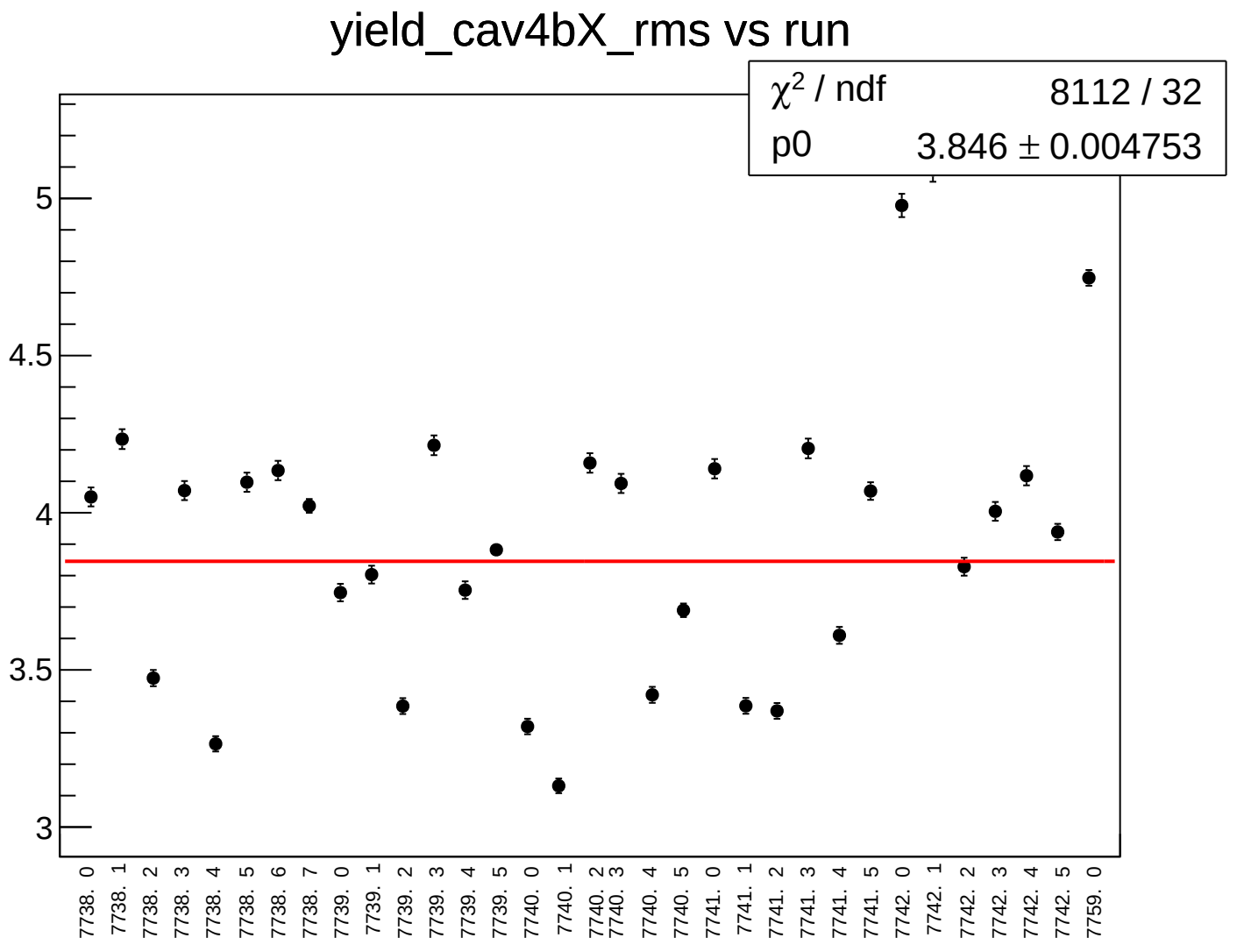

diff_bpmtargetdiffY_mean vs run
χ² / ndf 36.88 / 32
p0 0.524 ± 3.795
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

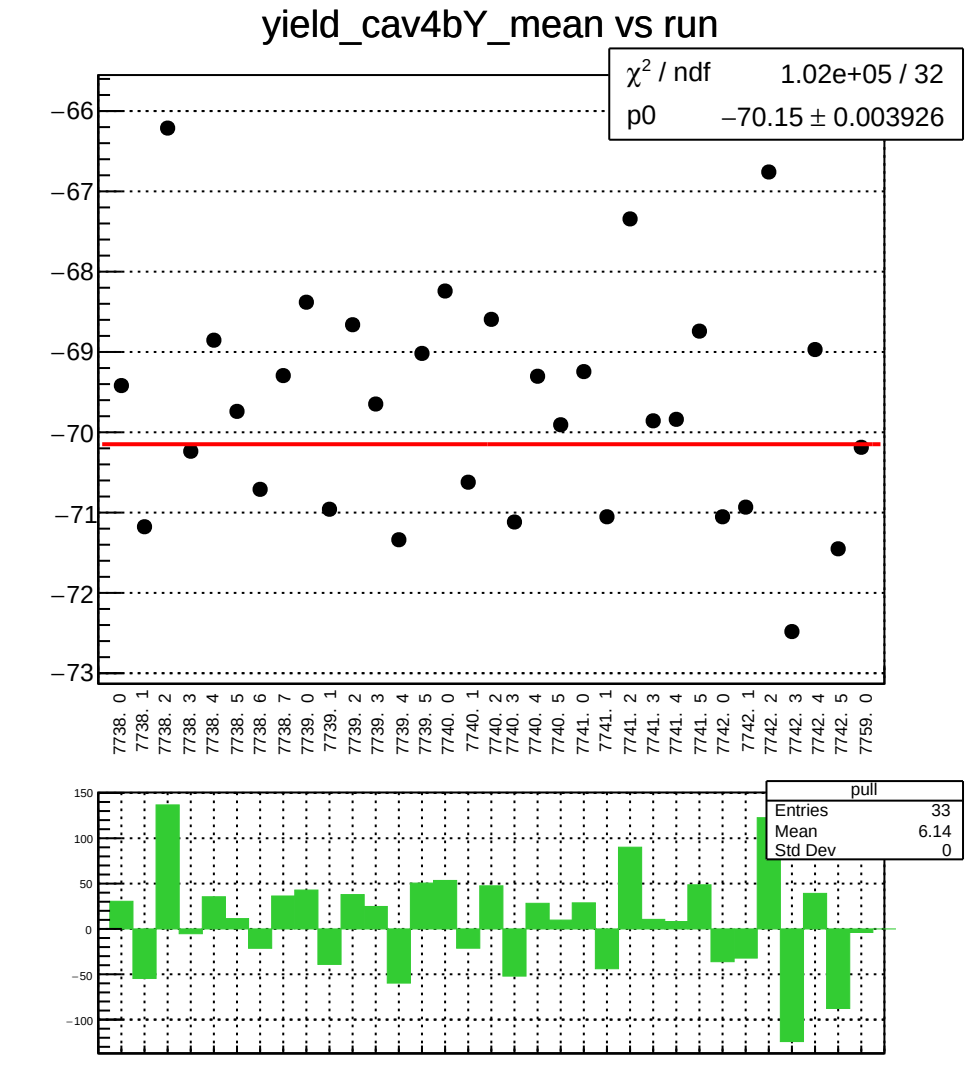

pull1D
Entries 33
Mean 0.09963
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

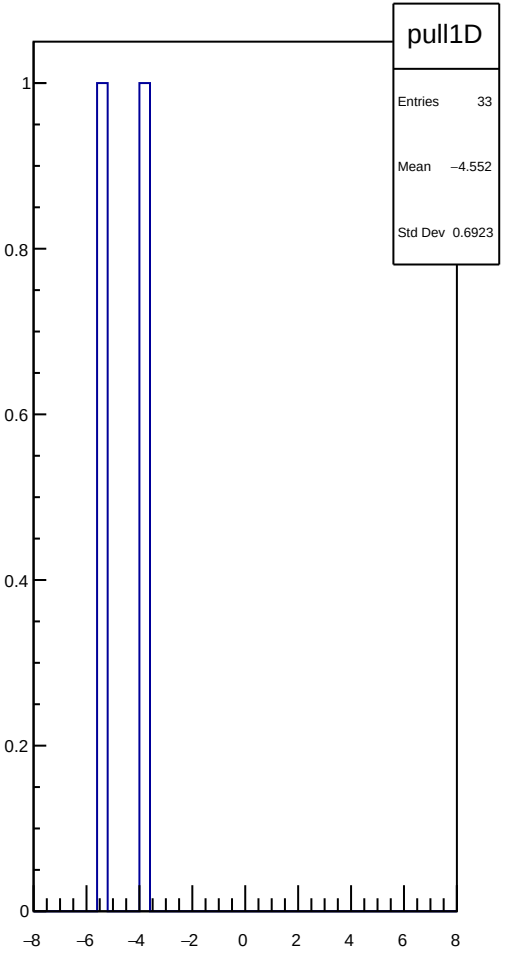

diff_bpmtargetdiffY_rms vs run
χ² / ndf 2.493e+05 / 32
p0 1726 ± 2.683
12000
10000
8000
6000
4000
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

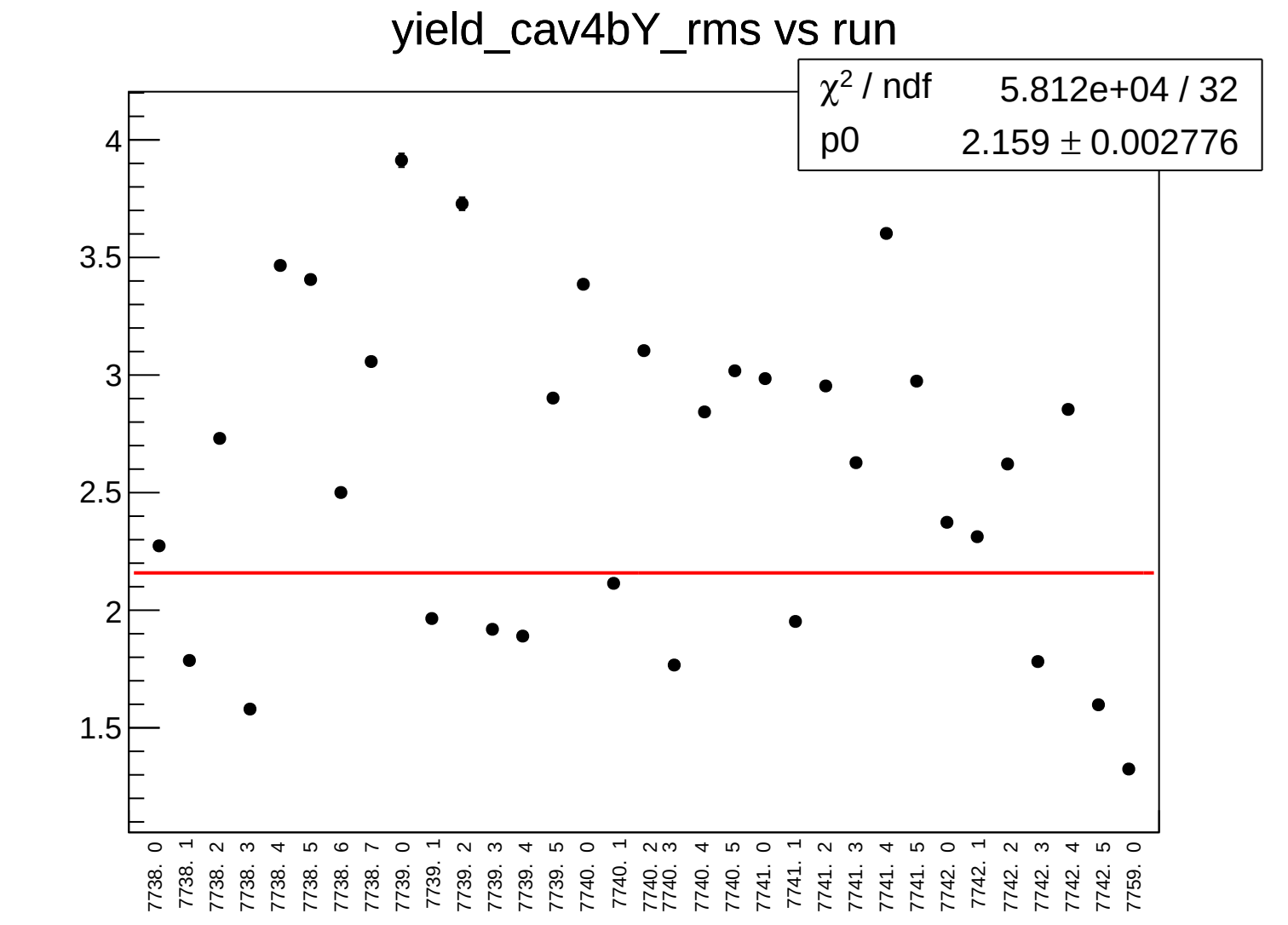

yield_cav4bX_mean vs run
χ² / ndf 3.144e+04 / 32
p0 −31.89 ± 0.006721
−29
−30
−31
−32
−33
−34
−35
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.687
Std Dev 23.19
40
20
0
−20
−40
−60

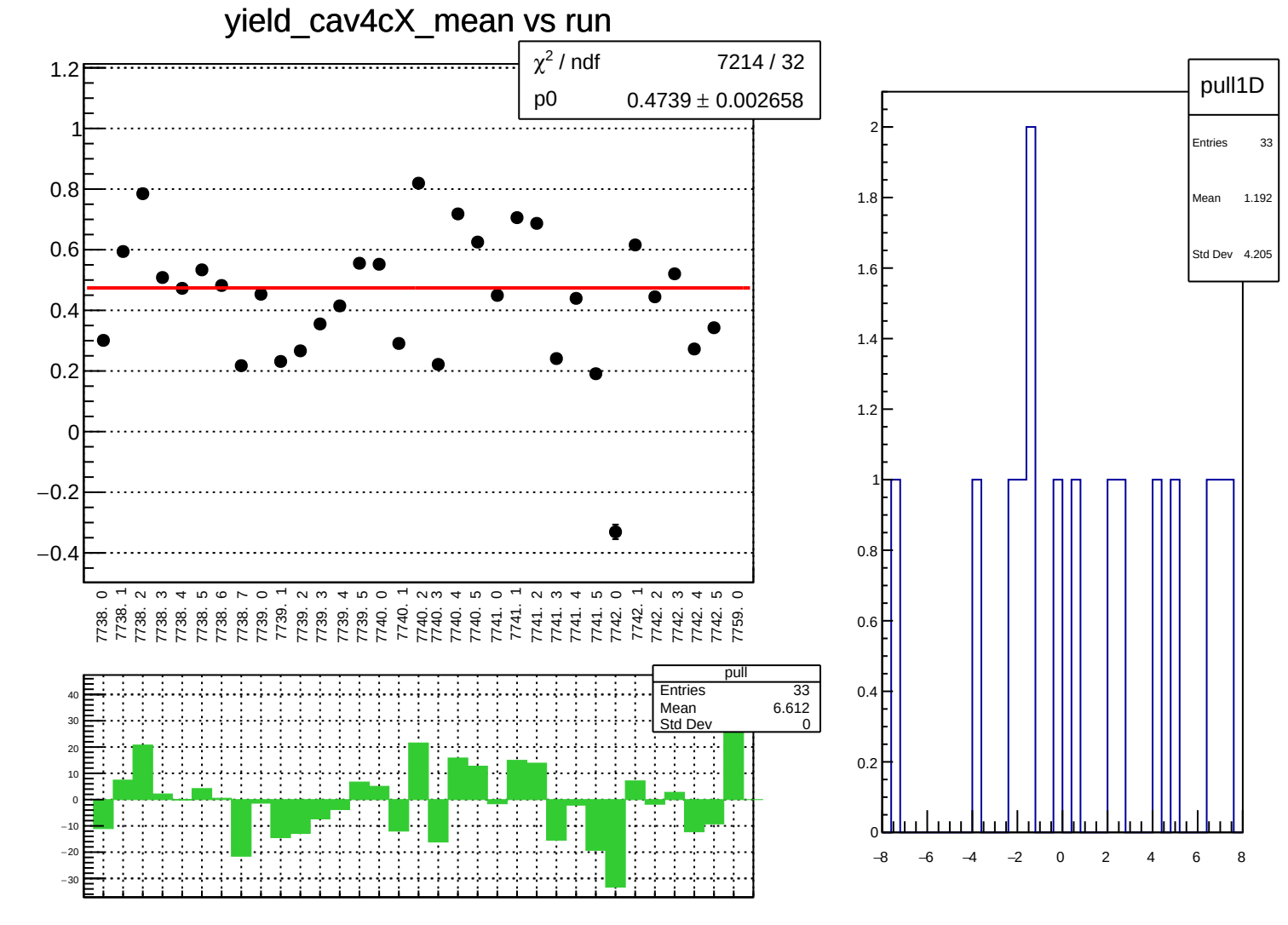

pull1D
Entries 33
Mean 0.4675
Std Dev 3.726
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

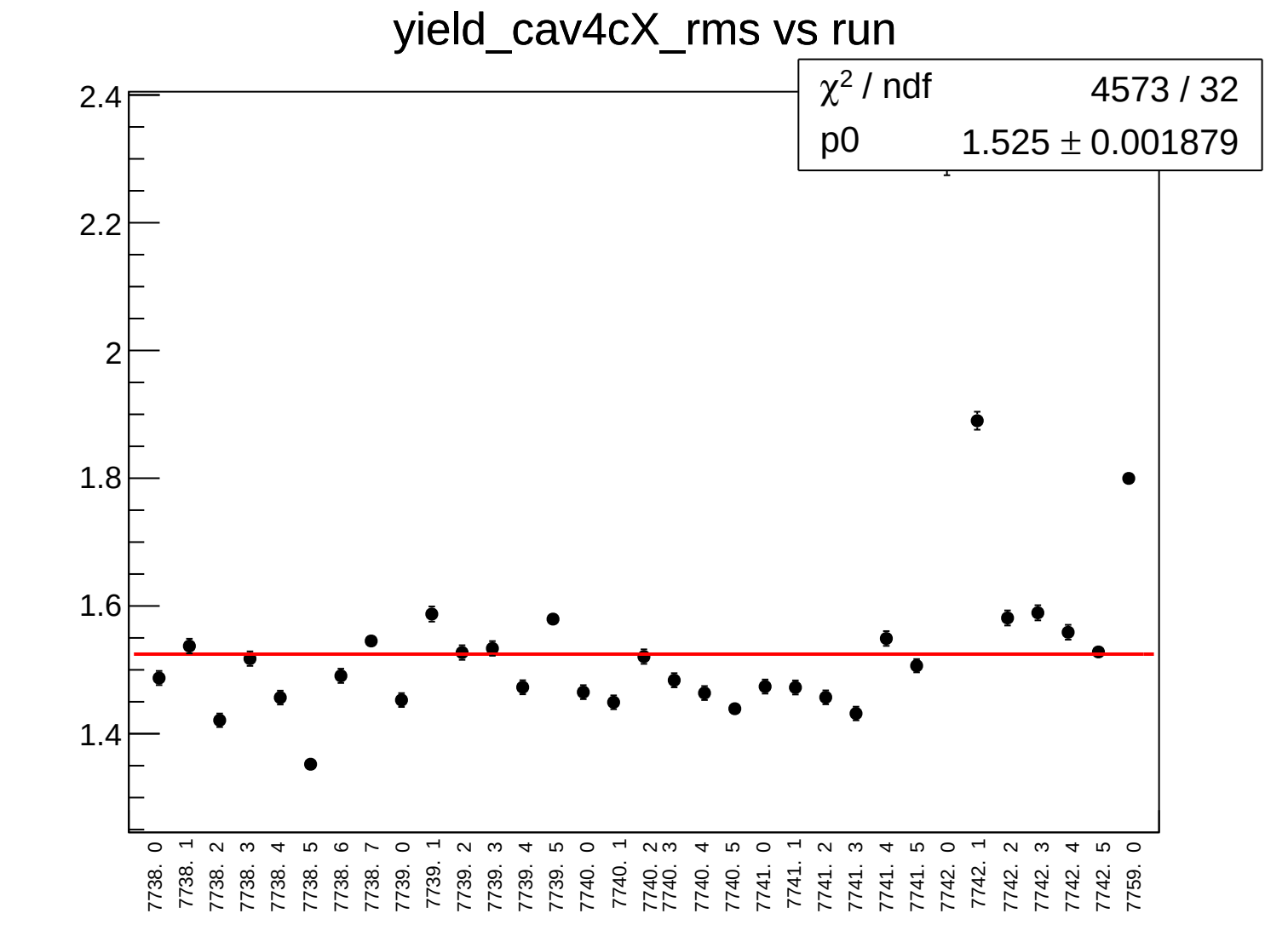

yield_cav4bX_rms vs run
χ² / ndf 8112 / 32
p0 3.846 ± 0.004753
5
4.5
4
3.5
3
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

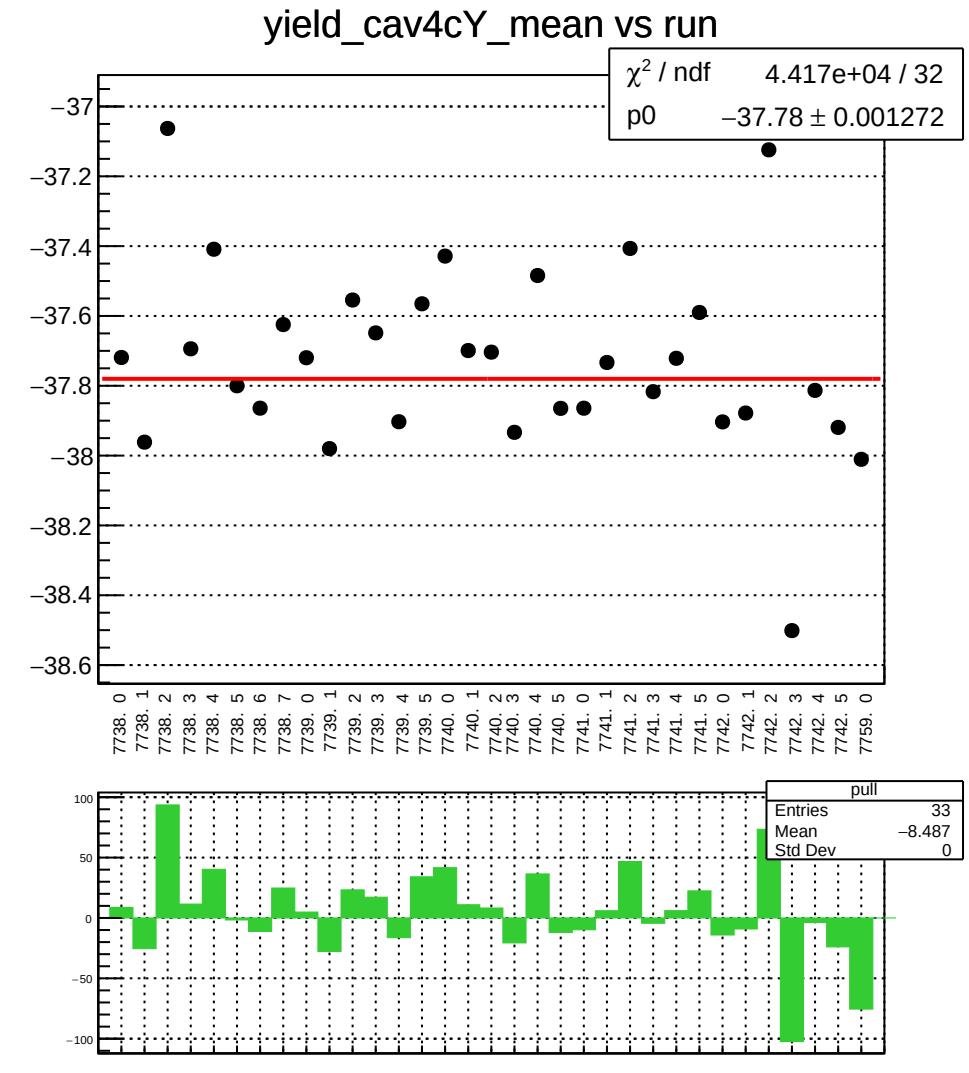

yield_cav4bY_mean vs run
χ² / ndf 1.02e+05 / 32
p0 −70.15 ± 0.003926
−66
−67
−68
−69
−70
−71
−72
−73
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.14
Std Dev 0
150
100
50
0
−50
−100

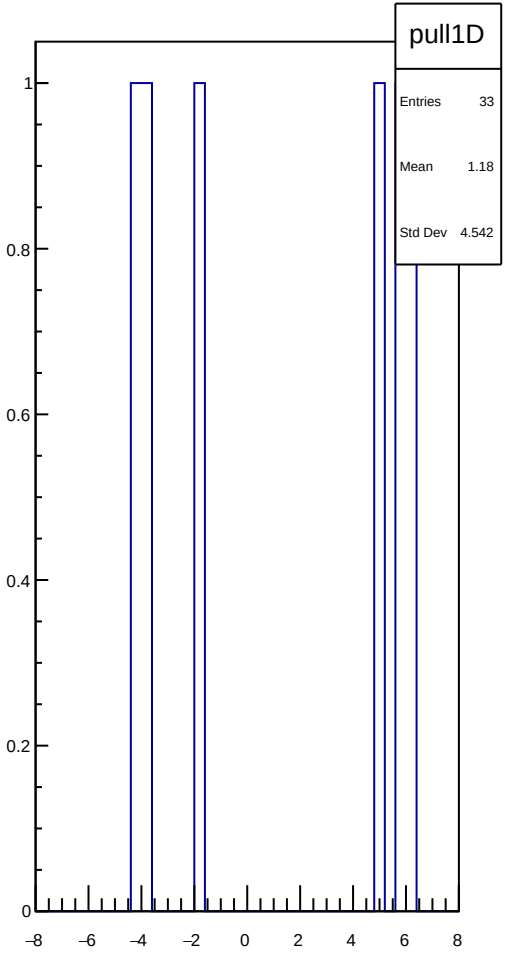

pull1D
Entries 33
Mean −4.552
Std Dev 0.6923
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

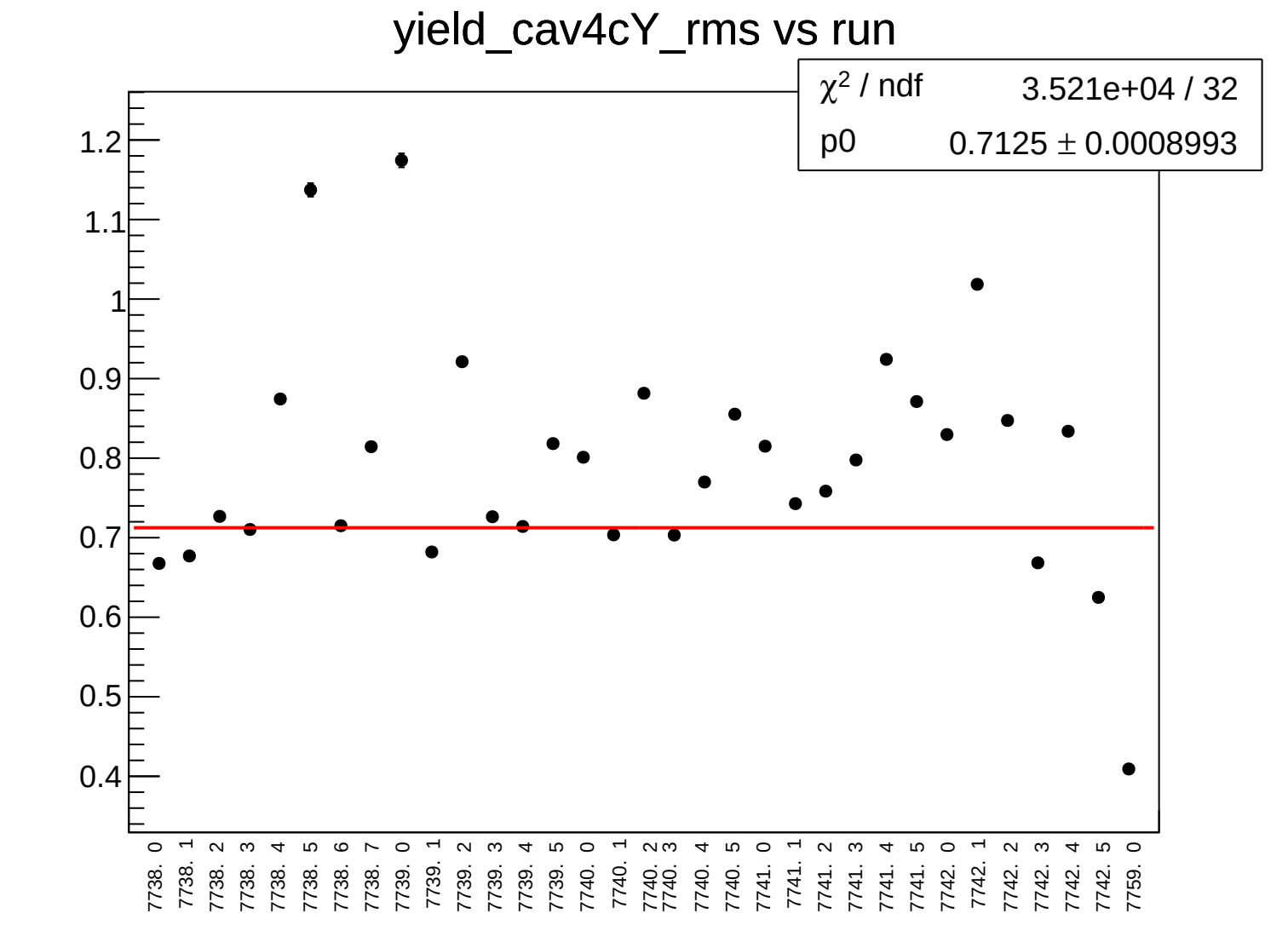

yield_cav4bY_rms vs run
χ² / ndf 5.812e+04 / 32
p0 2.159 ± 0.002776
4
3.5
3
2.5
2
1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

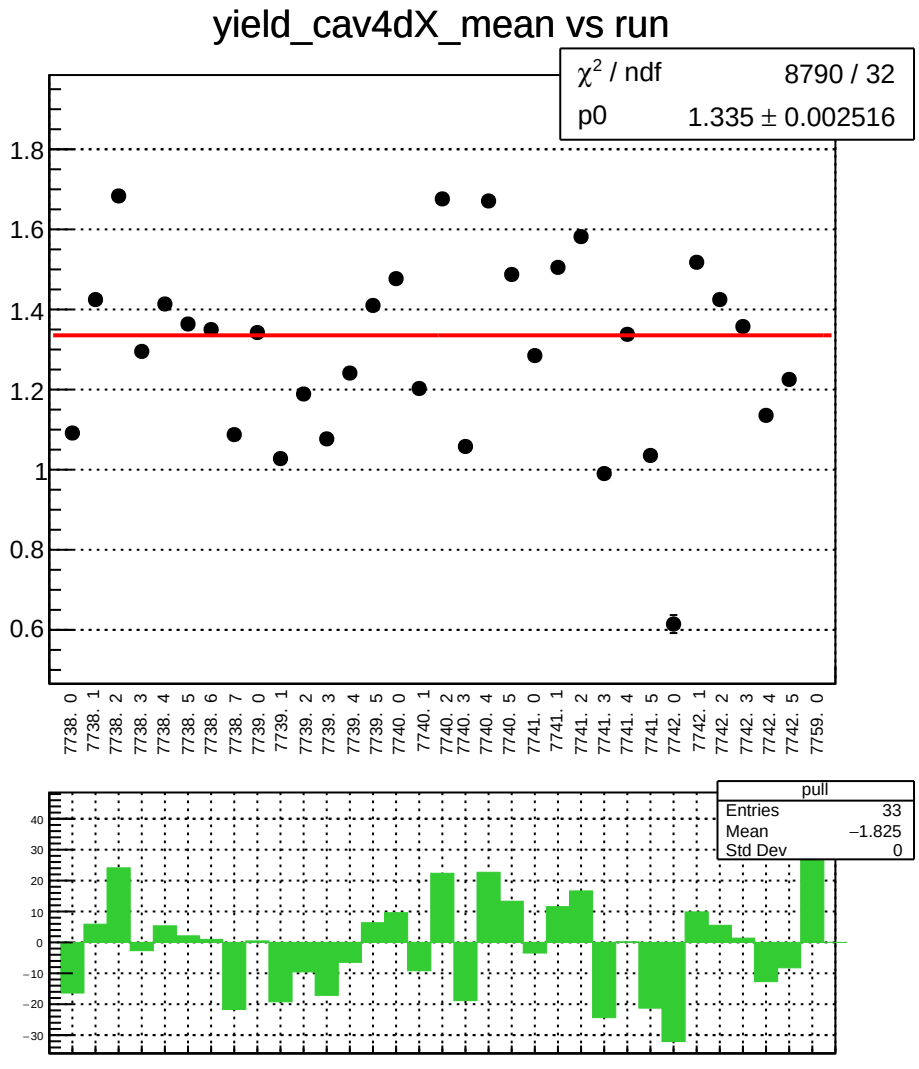

yield_cav4cX_mean vs run
χ² / ndf 7214 / 32
p0 0.4739 ± 0.002658
pull
Entries 33
Mean 6.612
Std Dev 0
pull1D
Entries 33
Mean 1.192
Std Dev 4.205

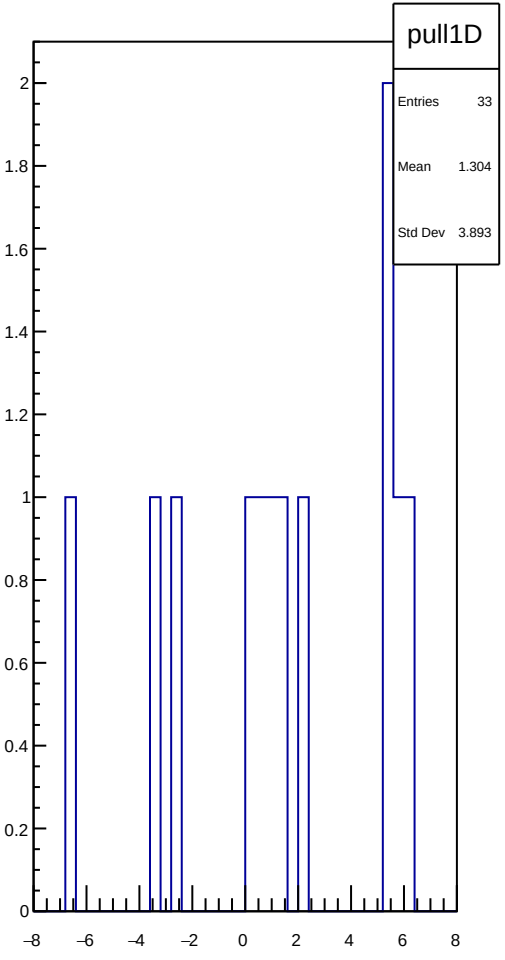

yield_cav4cX_rms vs run
χ² / ndf 4573 / 32
p0 1.525 ± 0.001879
2.4
2.2
2
1.8
1.6
1.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

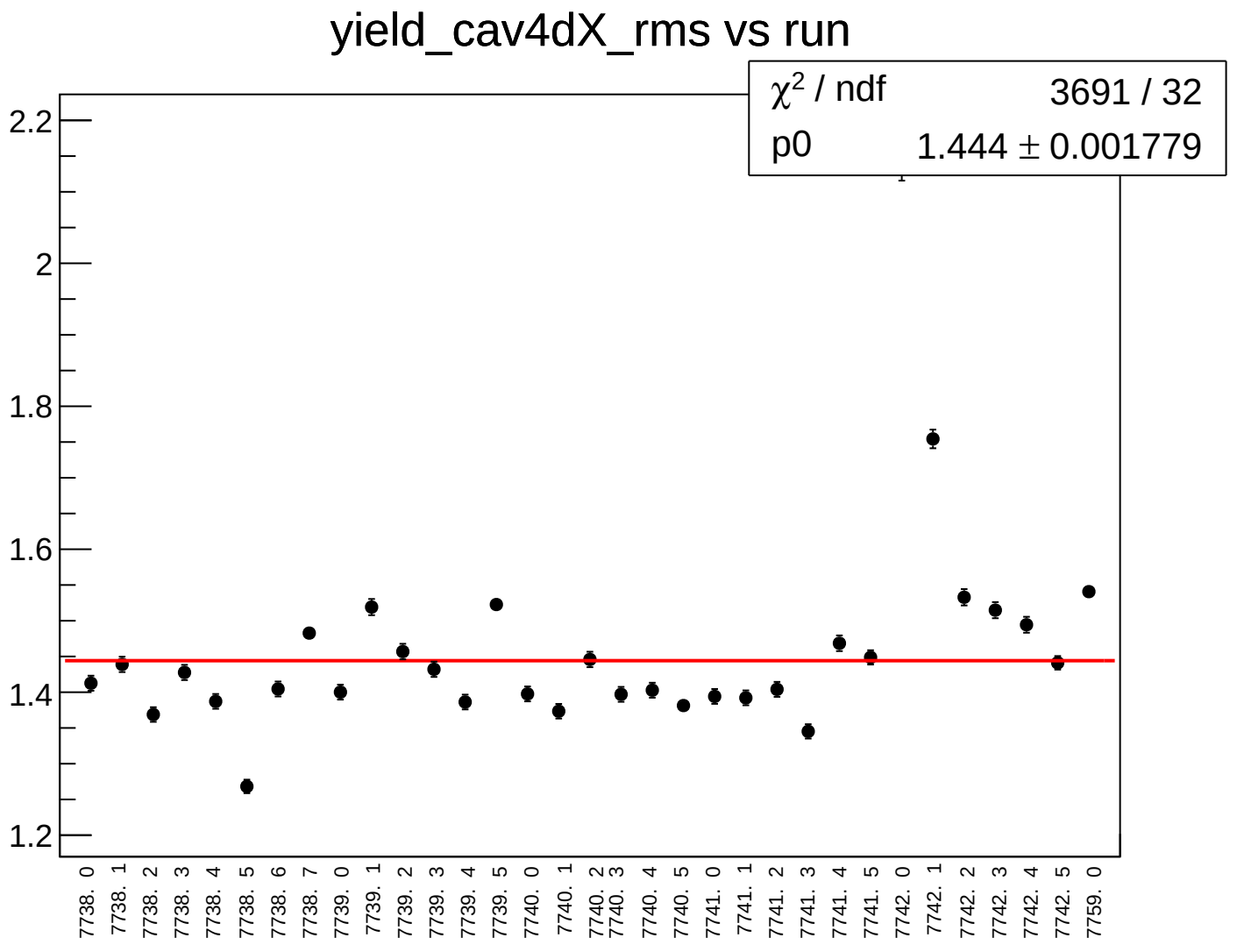

yield_cav4cY_mean vs run
χ² / ndf 4.417e+04 / 32
p0 −37.78 ± 0.001272
−37
−37.2
−37.4
−37.6
−37.8
−38
−38.2
−38.4
−38.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.487
Std Dev 0
100
50
0
−50
−100

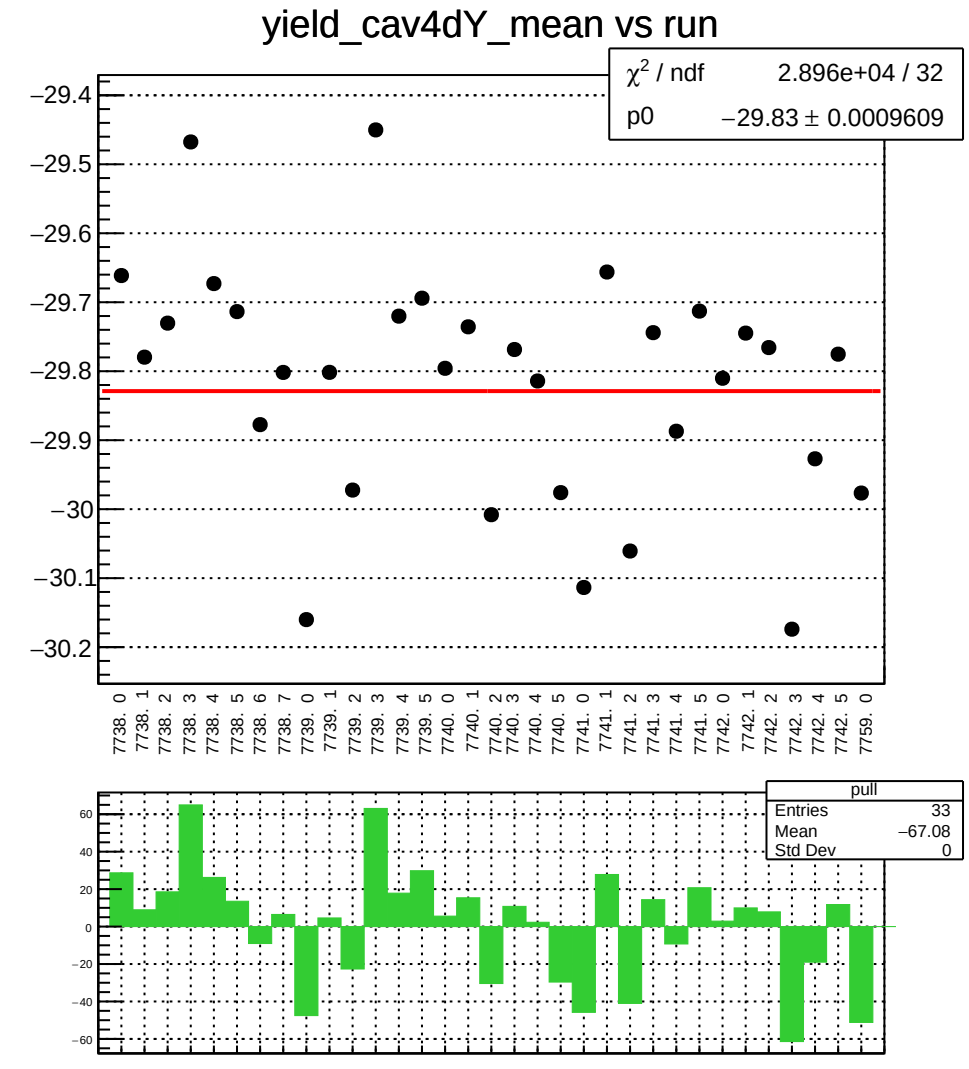

pull1D
Entries 33
Mean 1.18
Std Dev 4.542
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

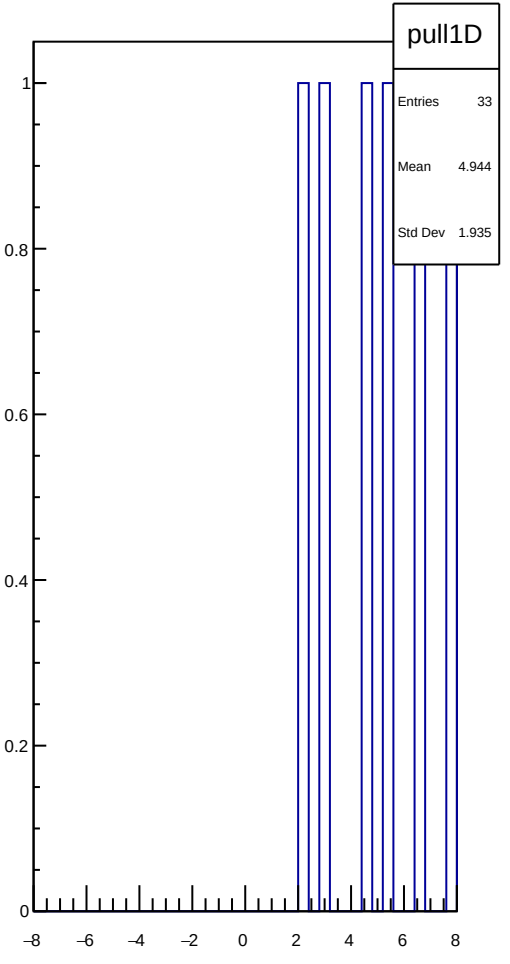

yield_cav4cY_rms vs run
χ² / ndf 3.521e+04 / 32
p0 0.7125 ± 0.0008993
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

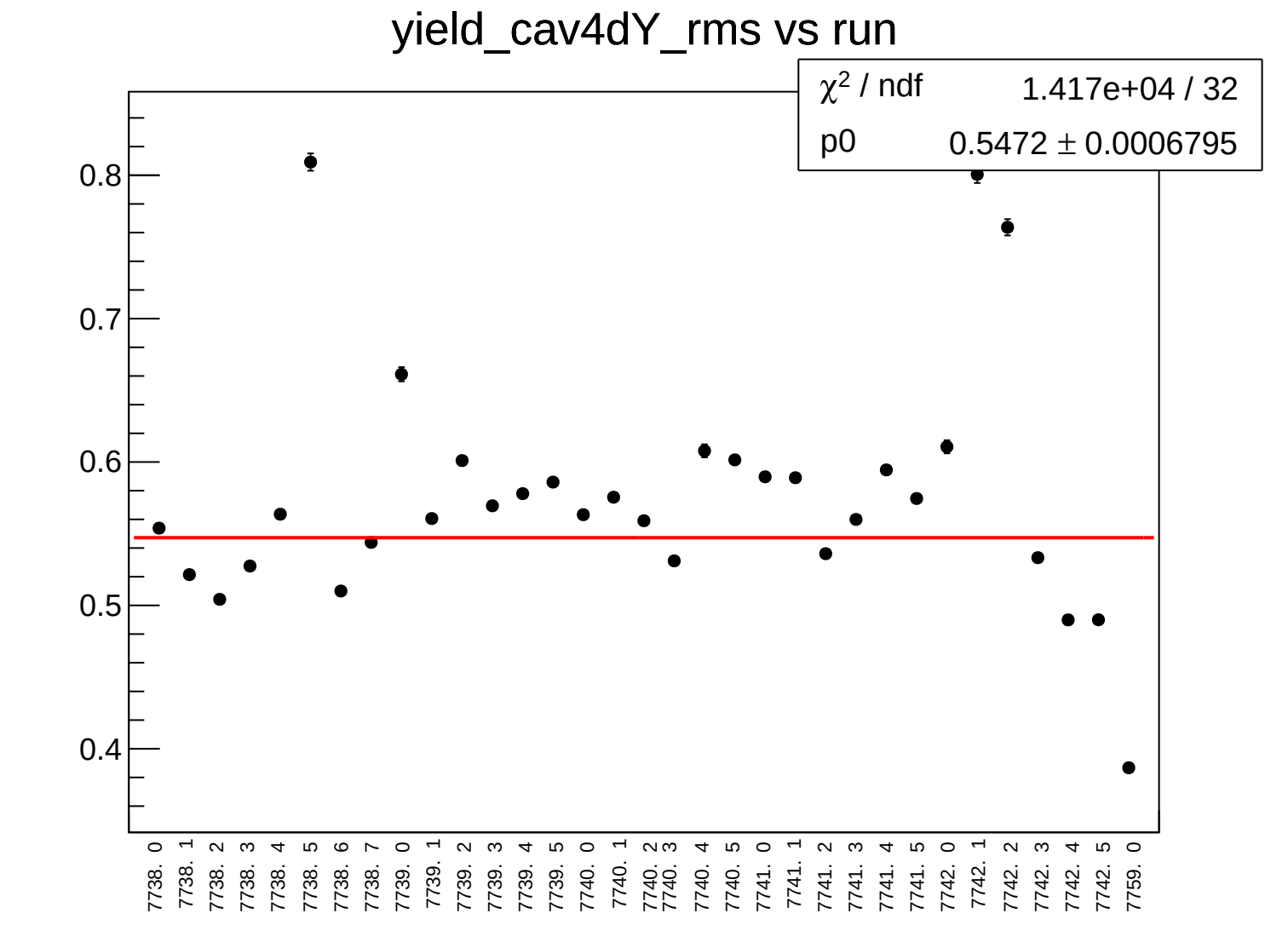

yield_cav4dX_mean vs run
χ² / ndf 8790 / 32
p0 1.335 ± 0.002516
1.8
1.6
1.4
1.2
1
0.8
0.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.825
Std Dev 0
40
30
20
10
0
−10
−20
−30

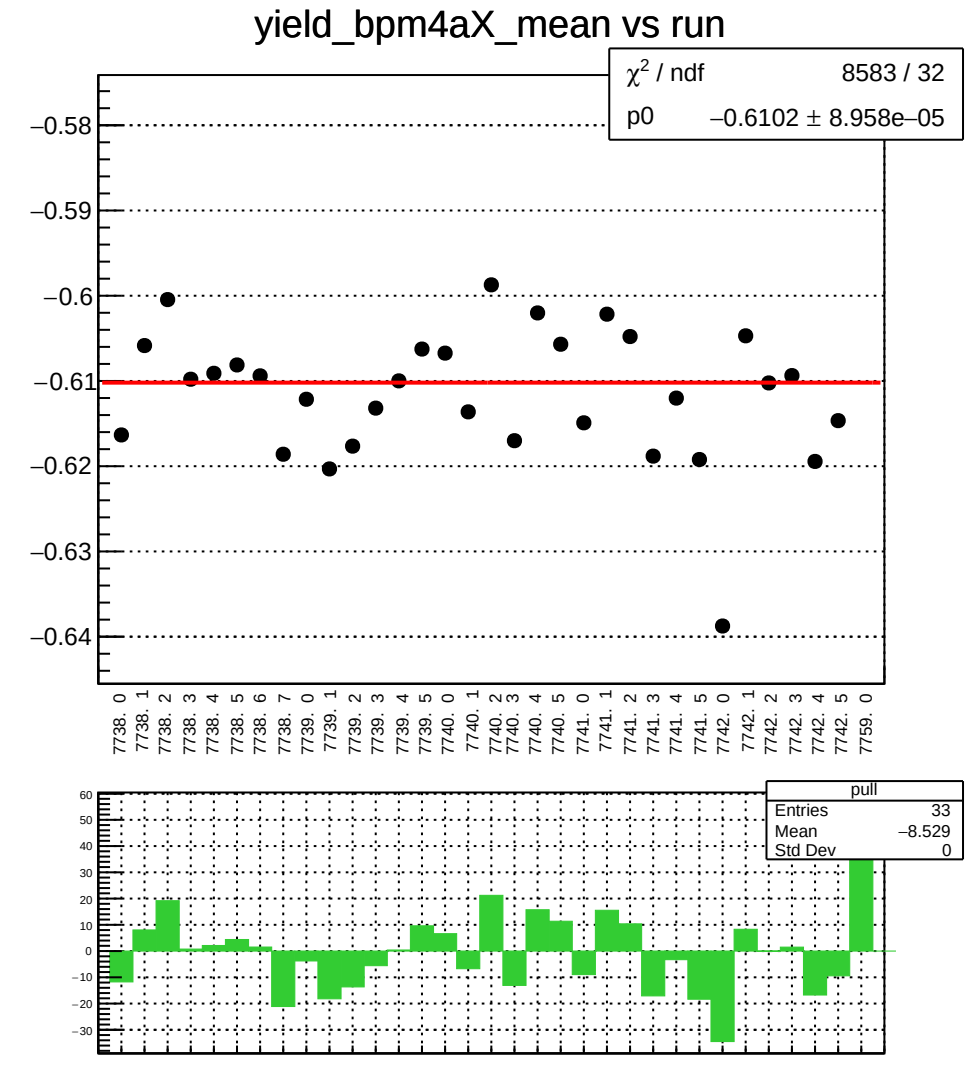

pull1D
Entries 33
Mean 1.304
Std Dev 3.893
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

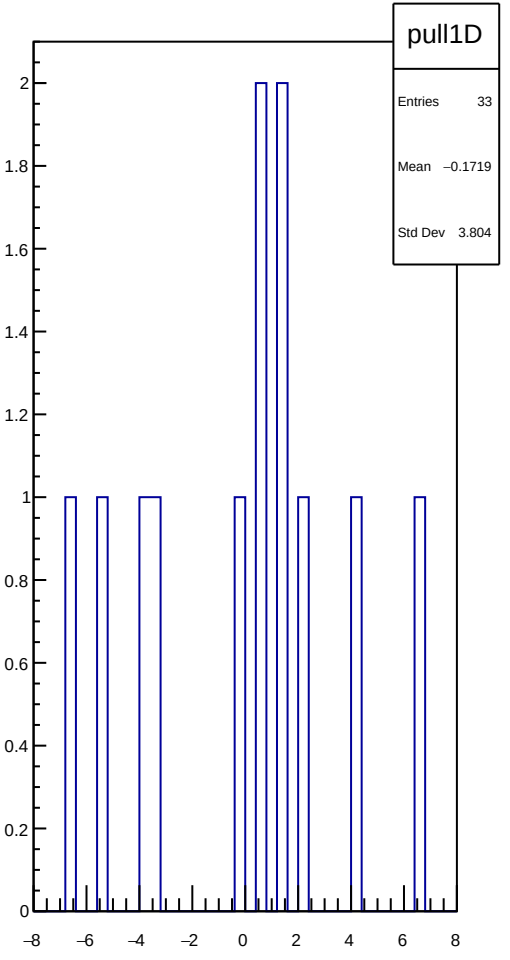

yield_cav4dX_rms vs run
χ² / ndf 3691 / 32
p0 1.444 ± 0.001779
2.2
2
1.8
1.6
1.4
1.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

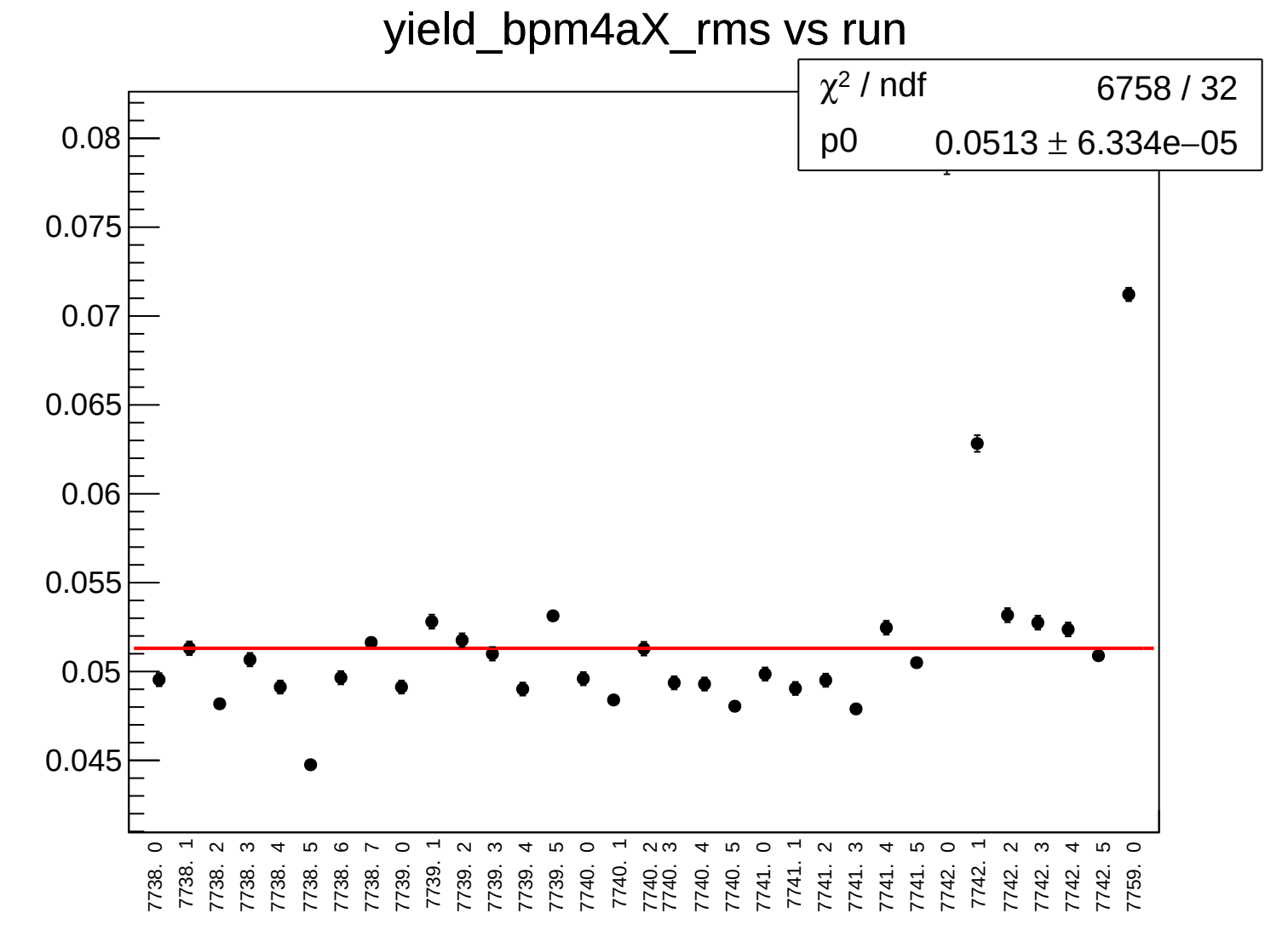

yield_cav4dY_mean vs run
χ² / ndf 2.896e+04 / 32
p0 −29.83 ± 0.0009609
−29.4
−29.5
−29.6
−29.7
−29.8
−29.9
−30
−30.1
−30.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −67.08
Std Dev 0
60
40
20
0
−20
−40
−60

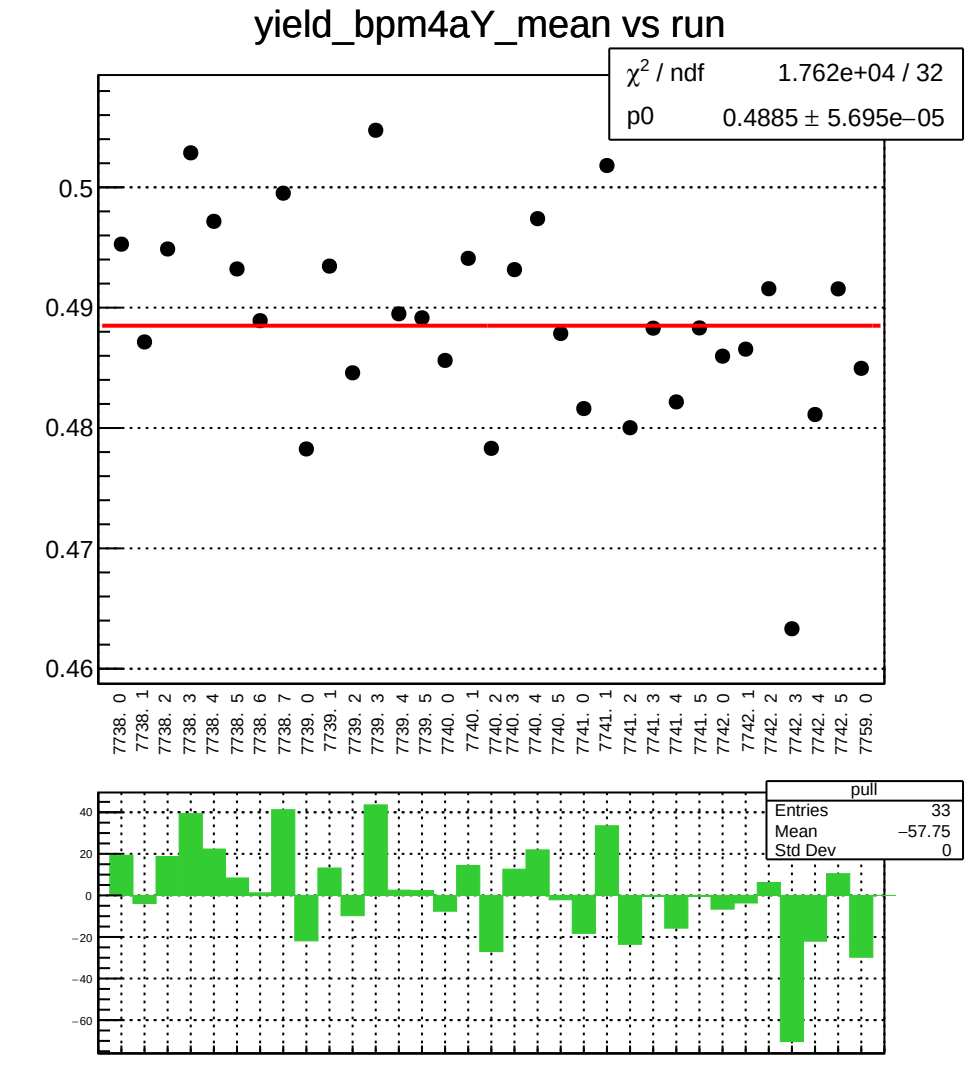

pull1D
Entries 33
Mean 4.944
Std Dev 1.935
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

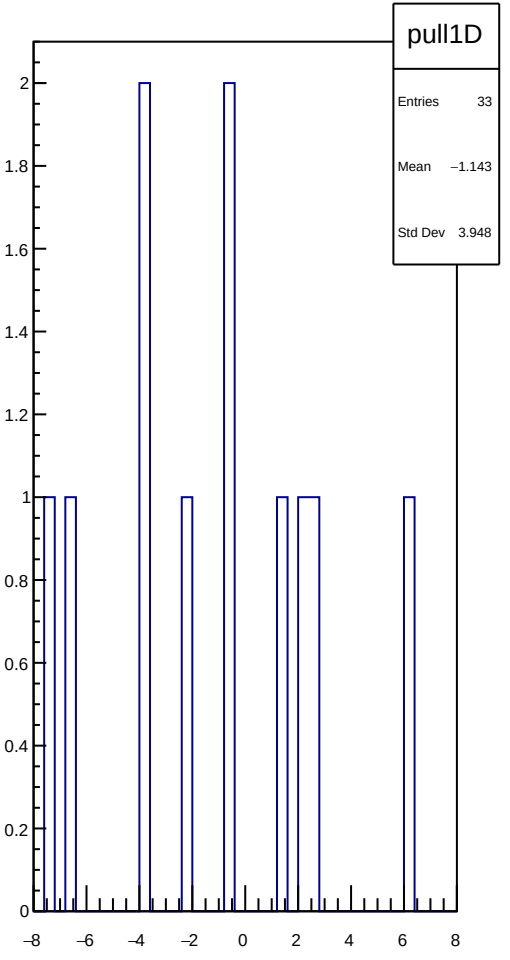

yield_cav4dY_rms vs run
χ² / ndf 1.417e+04 / 32
p0 0.5472 ± 0.0006795
0.8
0.7
0.6
0.5
0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

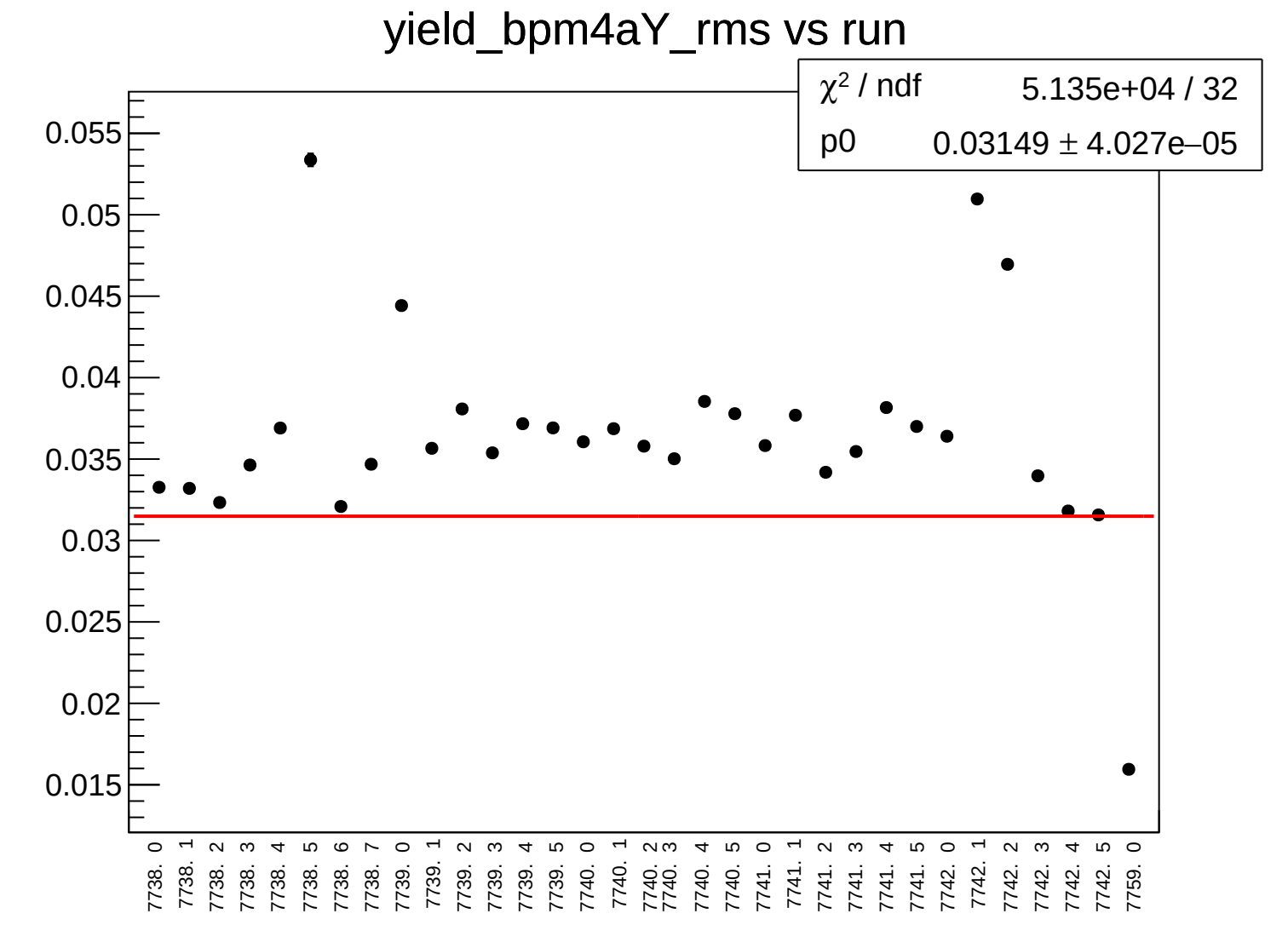

yield_bpm4aX_mean vs run
χ² / ndf 8583 / 32
p0 −0.6102 ± 8.958e−05
−0.58
−0.59
−0.6
−0.61
−0.62
−0.63
−0.64
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.529
Std Dev 0
60
50
40
30
20
10
0
−10
−20
−30

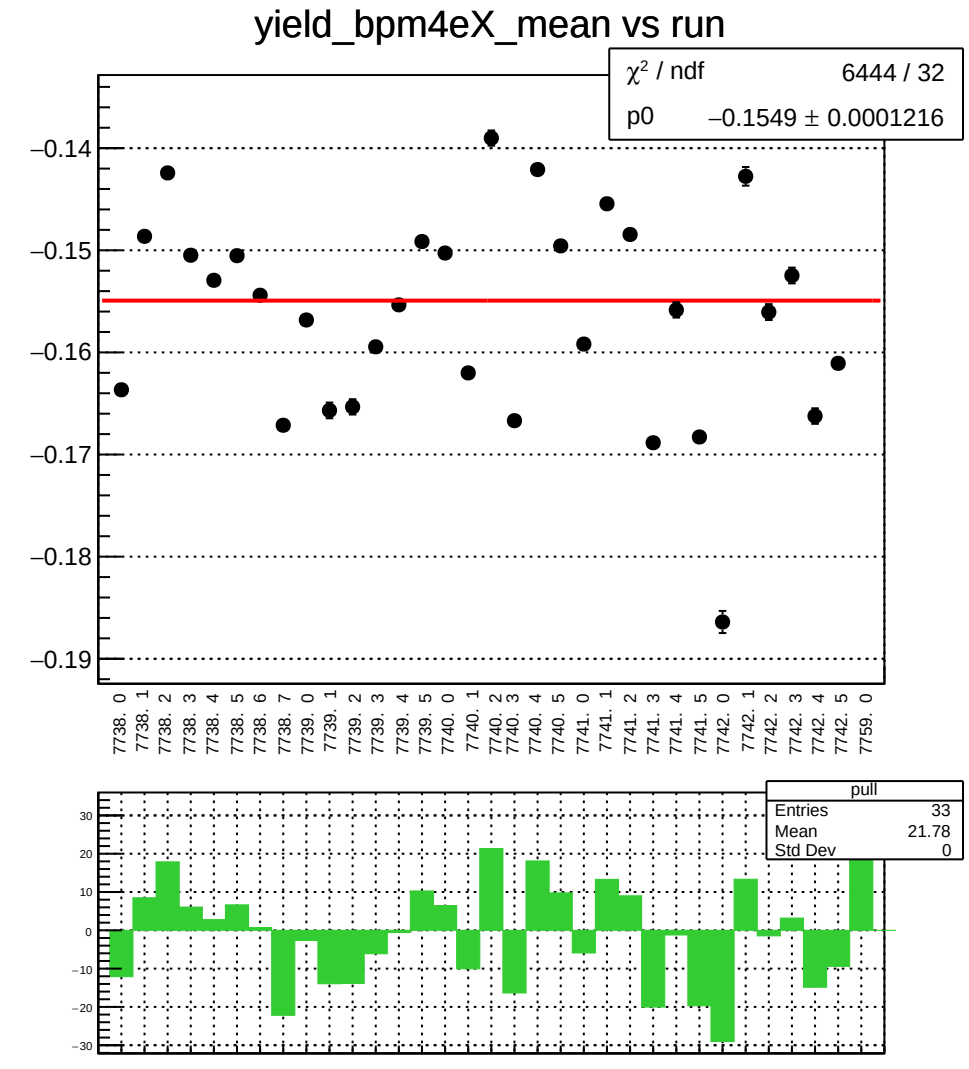

pull1D
Entries 33
Mean −0.1719
Std Dev 3.804
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

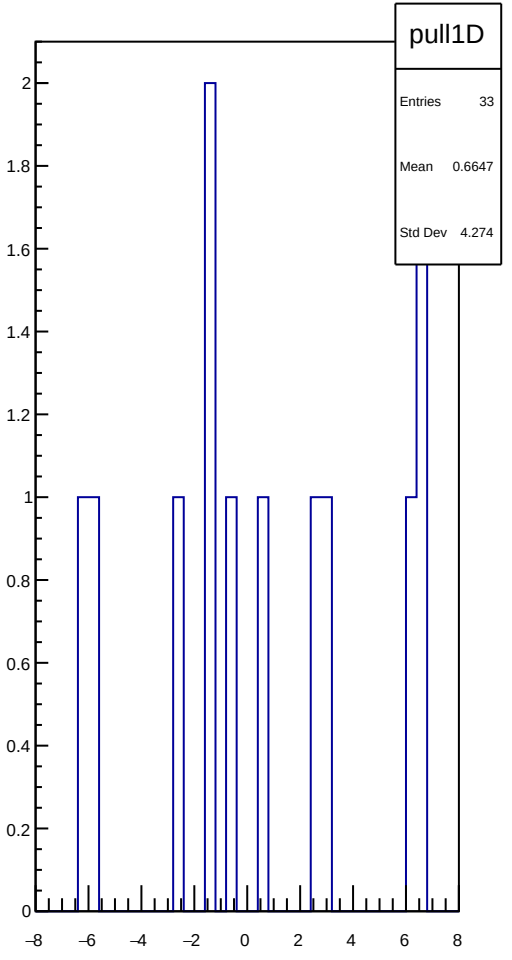

yield_bpm4aX_rms vs run
χ² / ndf 6758 / 32
p0 0.0513 ± 6.334e−05
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

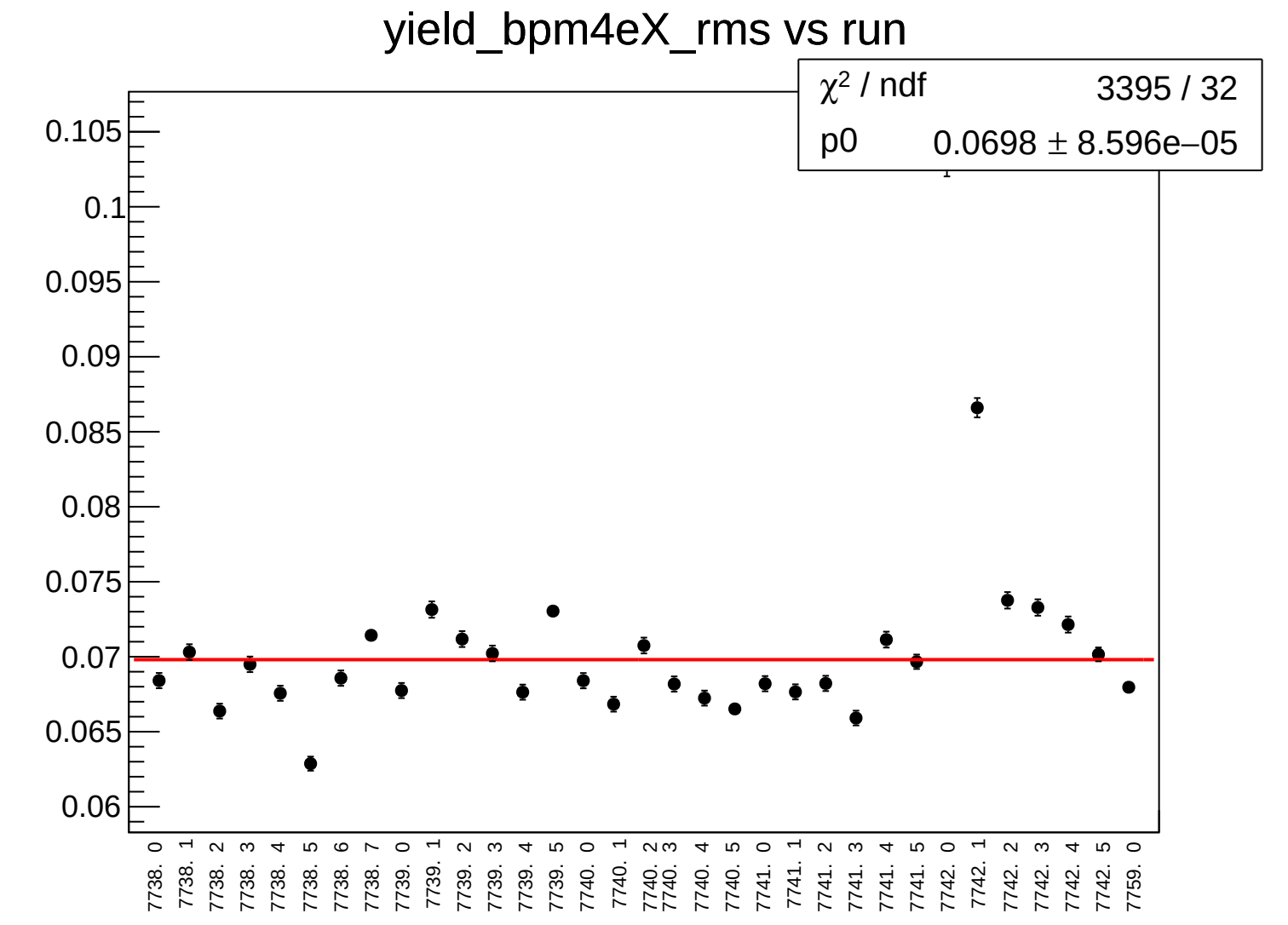

yield_bpm4aY_mean vs run
χ² / ndf 1.762e+04 / 32
p0 0.4885 ± 5.695e−05
0.5
0.49
0.48
0.47
0.46
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.75
Std Dev 0
40
20
0
−20
−40
−60

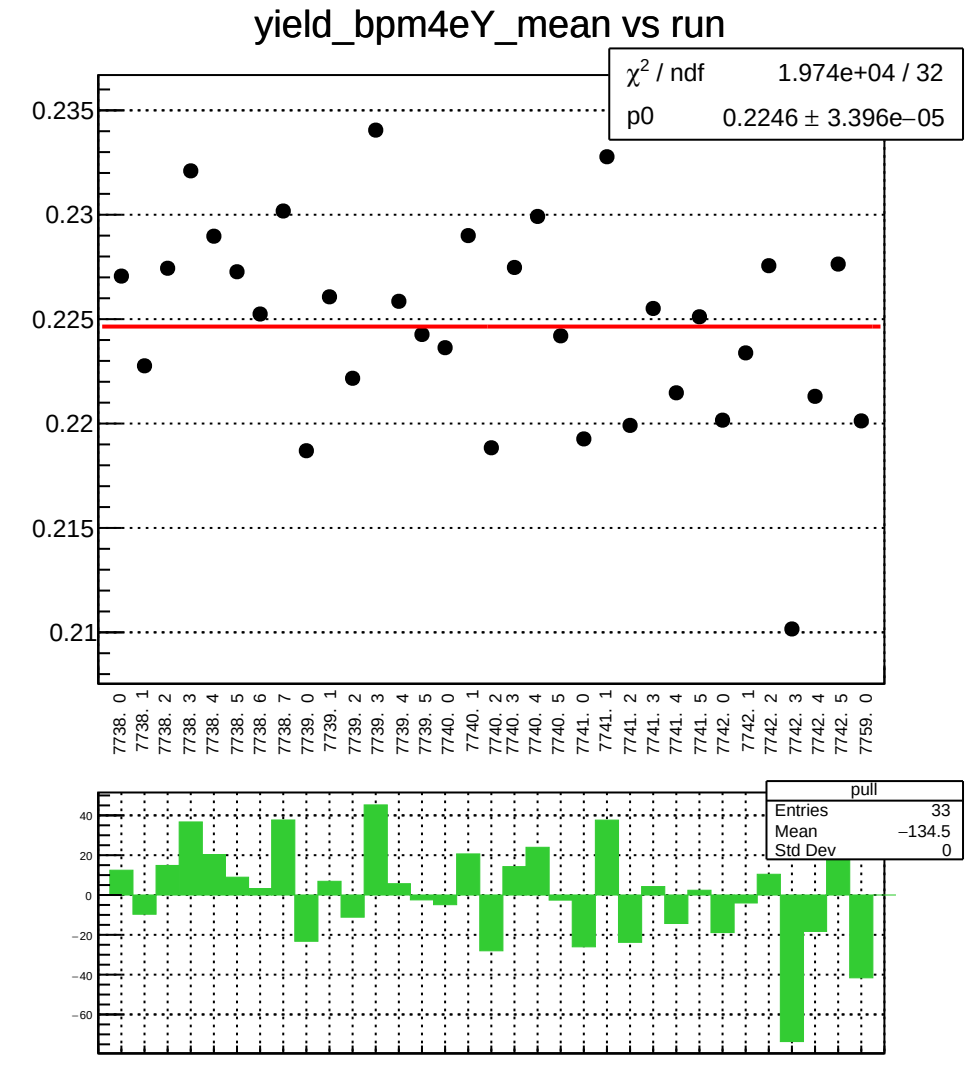

pull1D
Entries 33
Mean −1.143
Std Dev 3.948
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

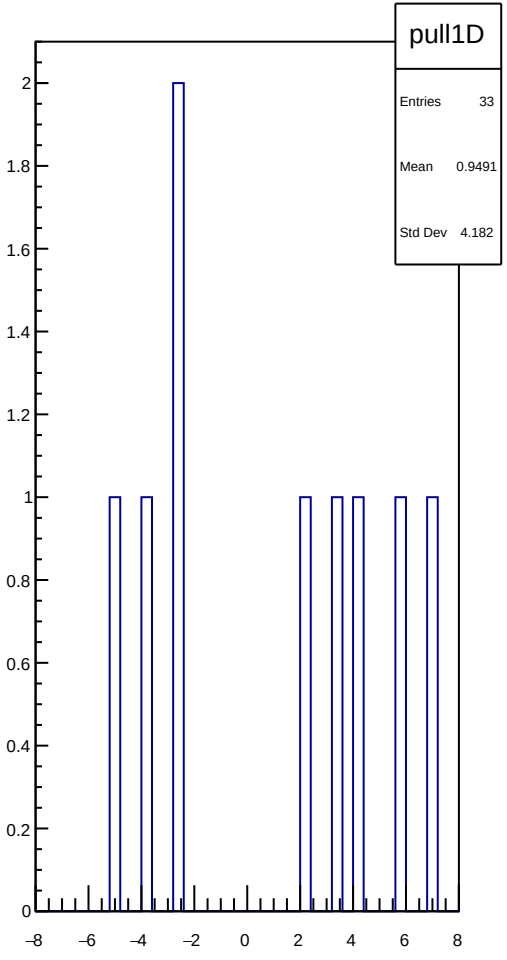

yield_bpm4aY_rms vs run
χ² / ndf 5.135e+04 / 32
p0 0.03149 ± 4.027e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

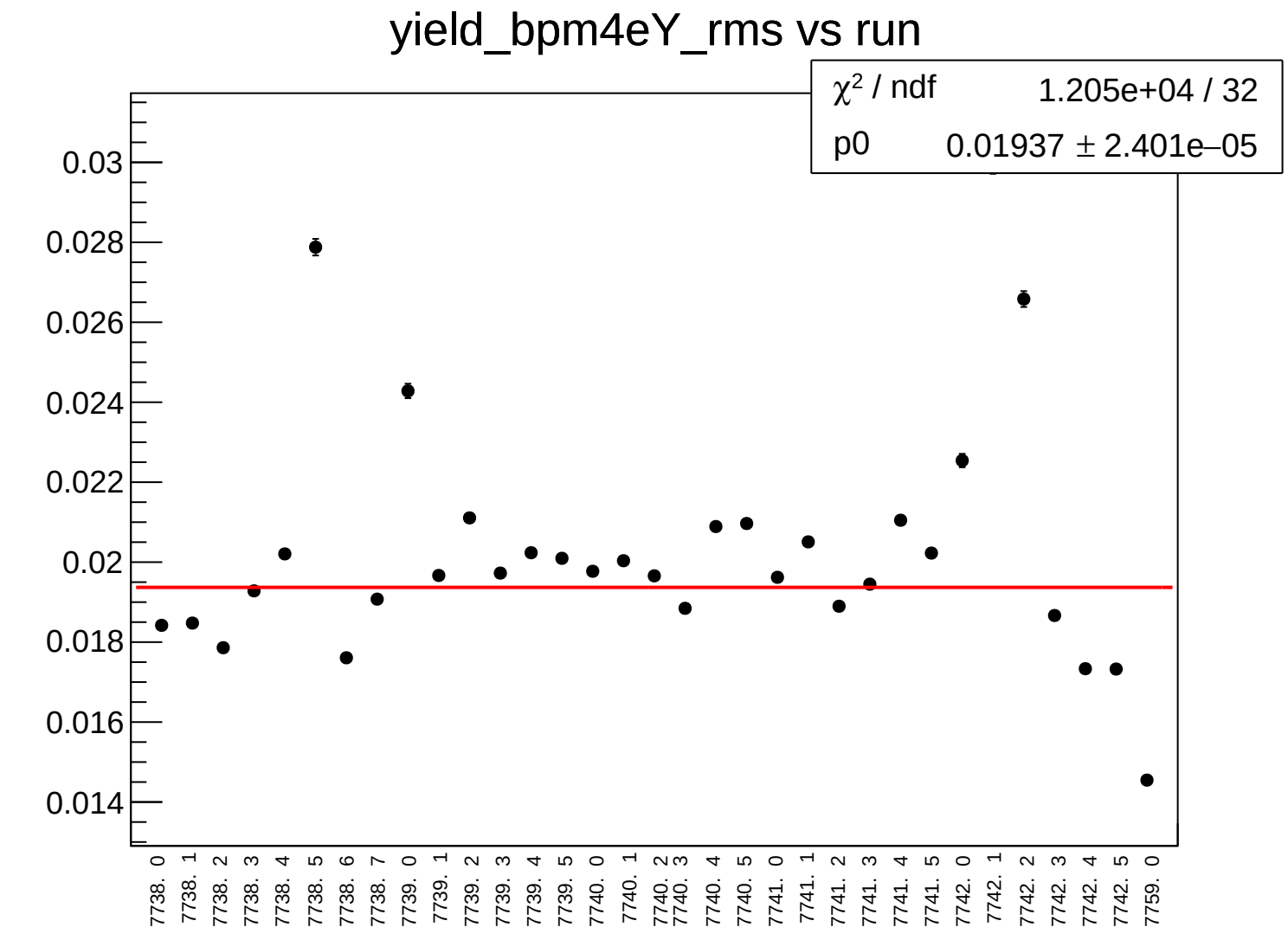

yield_bpm4eX_mean vs run
χ² / ndf 6444 / 32
p0 −0.1549 ± 0.0001216
−0.14
−0.15
−0.16
−0.17
−0.18
−0.19
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 21.78
Std Dev 0
30
20
10
0
−10
−20
−30

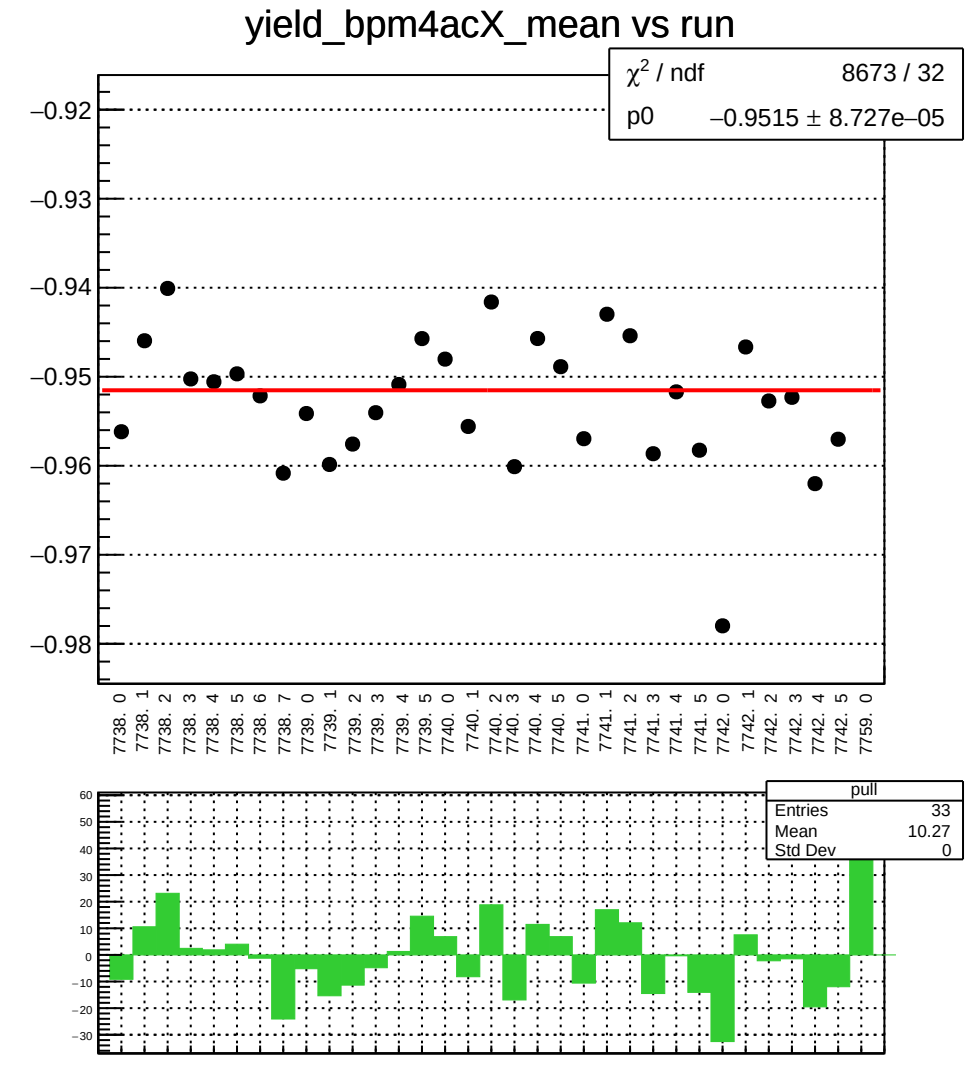

pull1D
Entries 33
Mean 0.6647
Std Dev 4.274
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

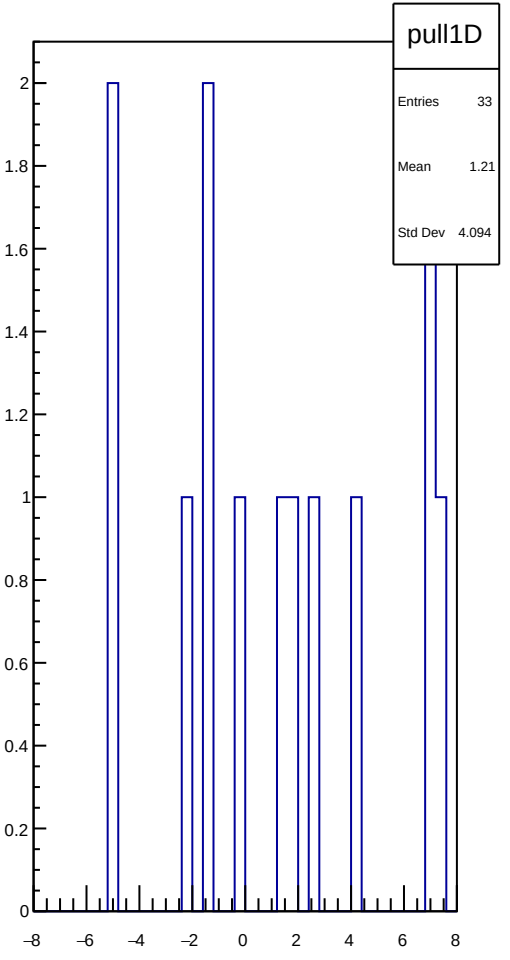

yield_bpm4eX_rms vs run
χ² / ndf 3395 / 32
p0 0.0698 ± 8.596e−05
0.105
0.1
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

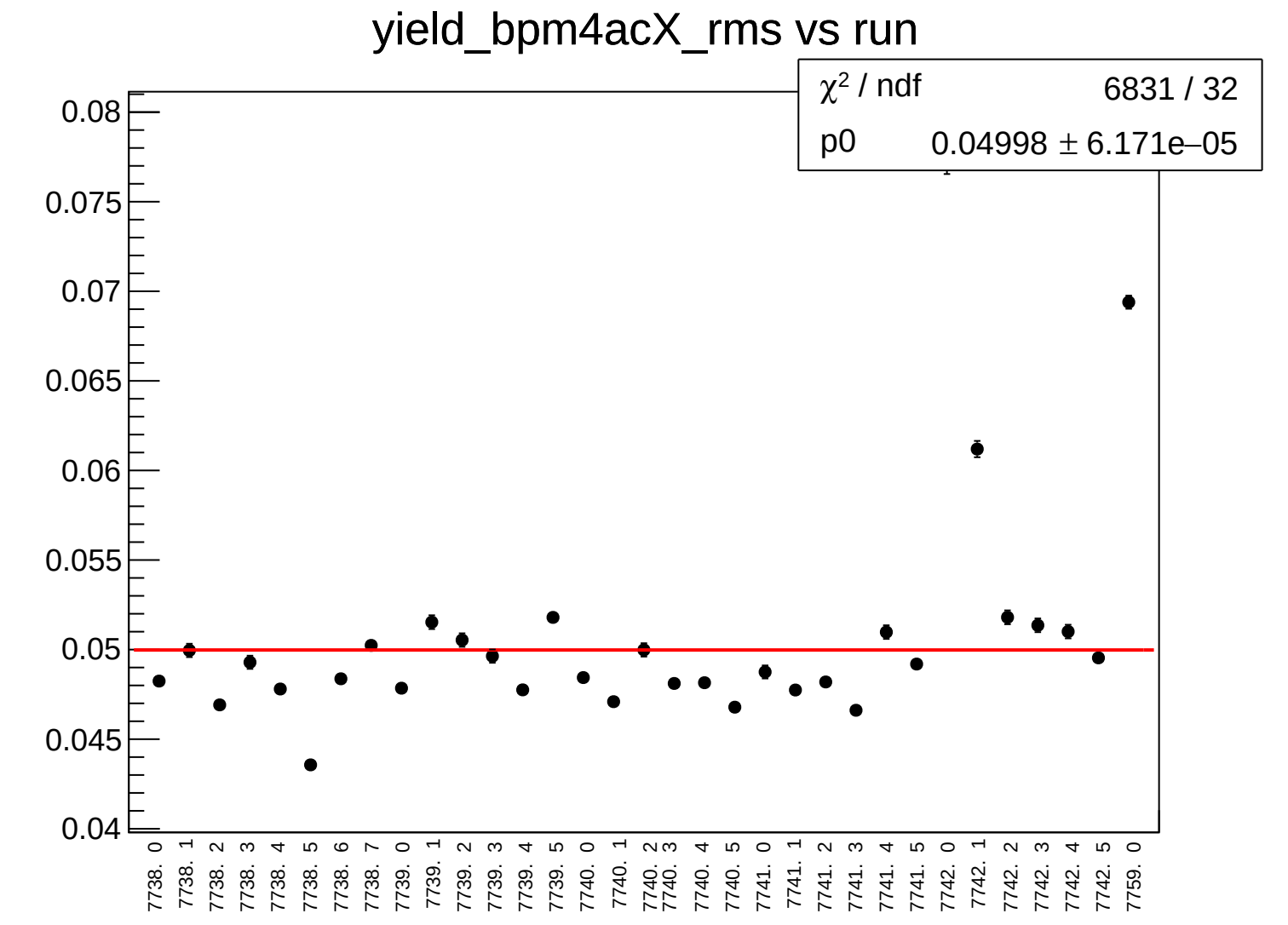

yield_bpm4eY_mean vs run
χ² / ndf 1.974e+04 / 32
p0 0.2246 ± 3.396e−05
0.235
0.23
0.225
0.22
0.215
0.21
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −134.5
Std Dev 0
40
20
0
−20
−40
−60

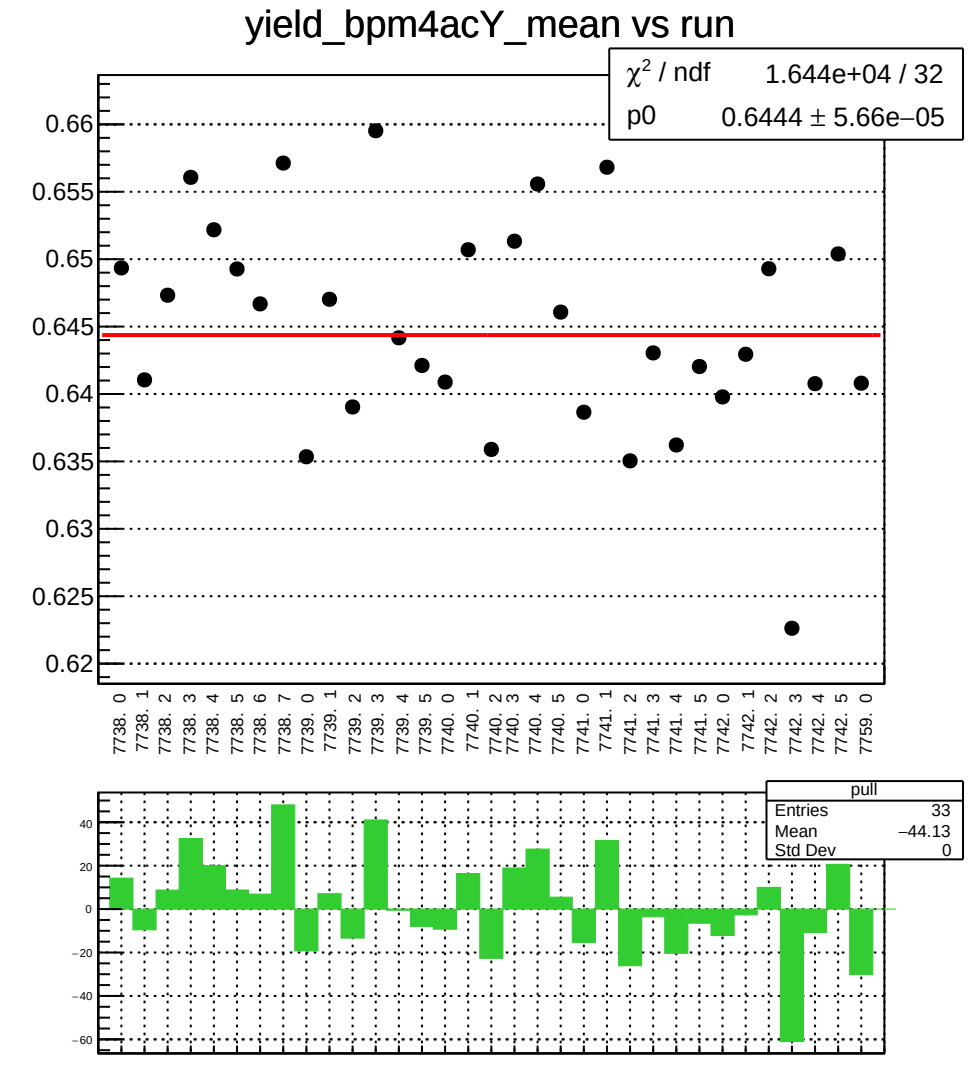

pull1D
Entries 33
Mean 0.9491
Std Dev 4.182
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

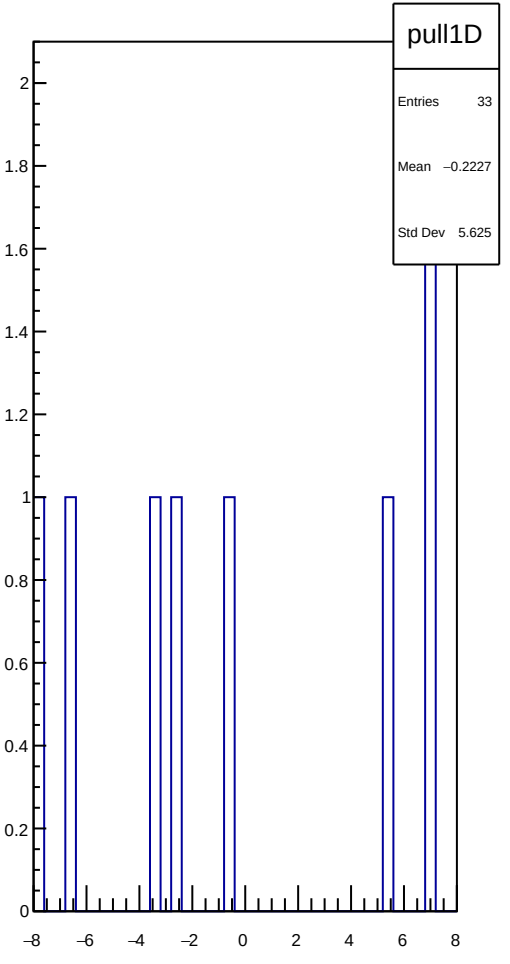

yield_bpm4eY_rms vs run
χ² / ndf 1.205e+04 / 32
p0 0.01937 ± 2.401e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

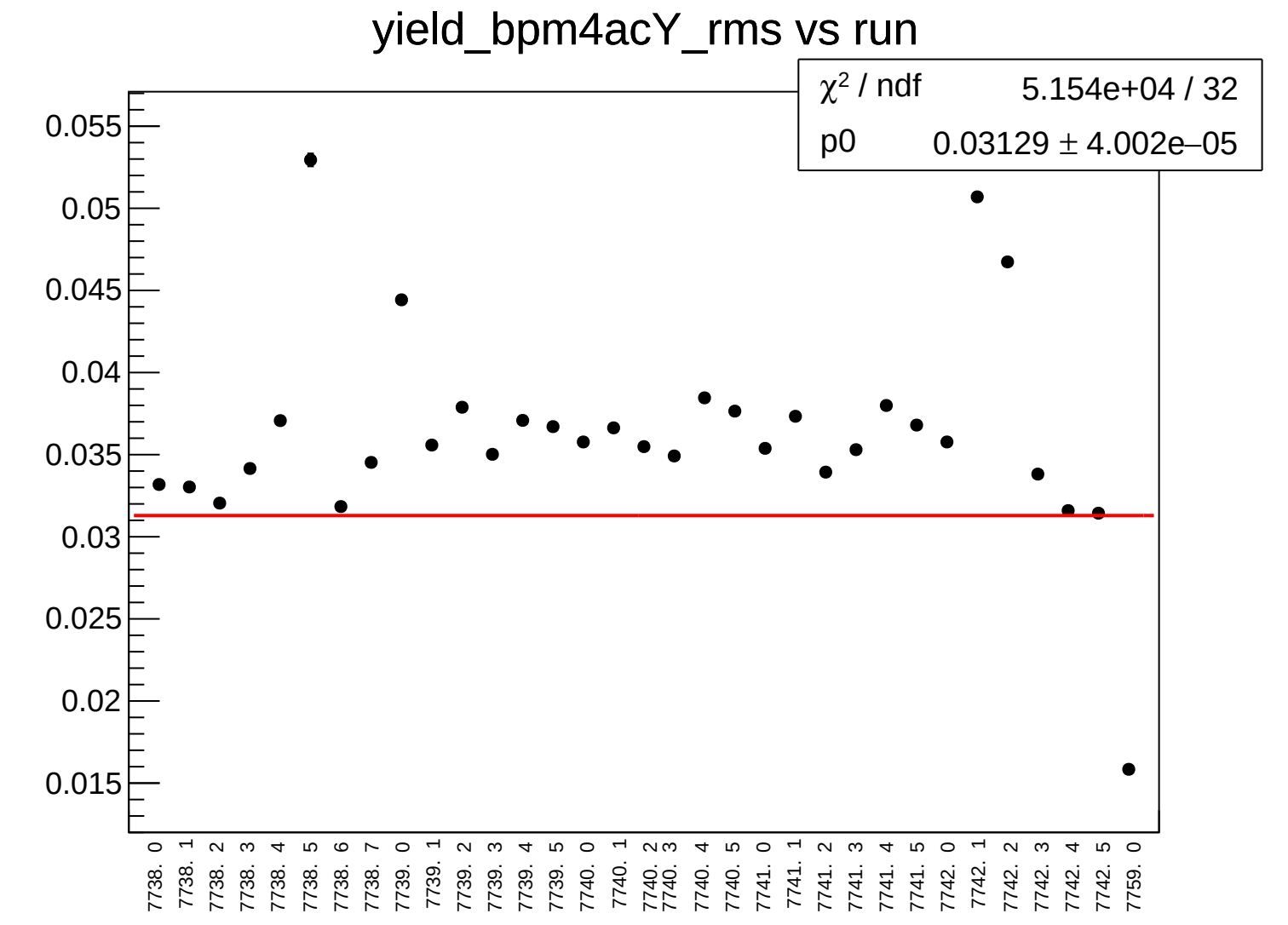

yield_bpm4acX_mean vs run
χ² / ndf 8673 / 32
p0 −0.9515 ± 8.727e−05
−0.92
−0.93
−0.94
−0.95
−0.96
−0.97
−0.98
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.27
Std Dev 0
60
50
40
30
20
10
0
−10
−20
−30

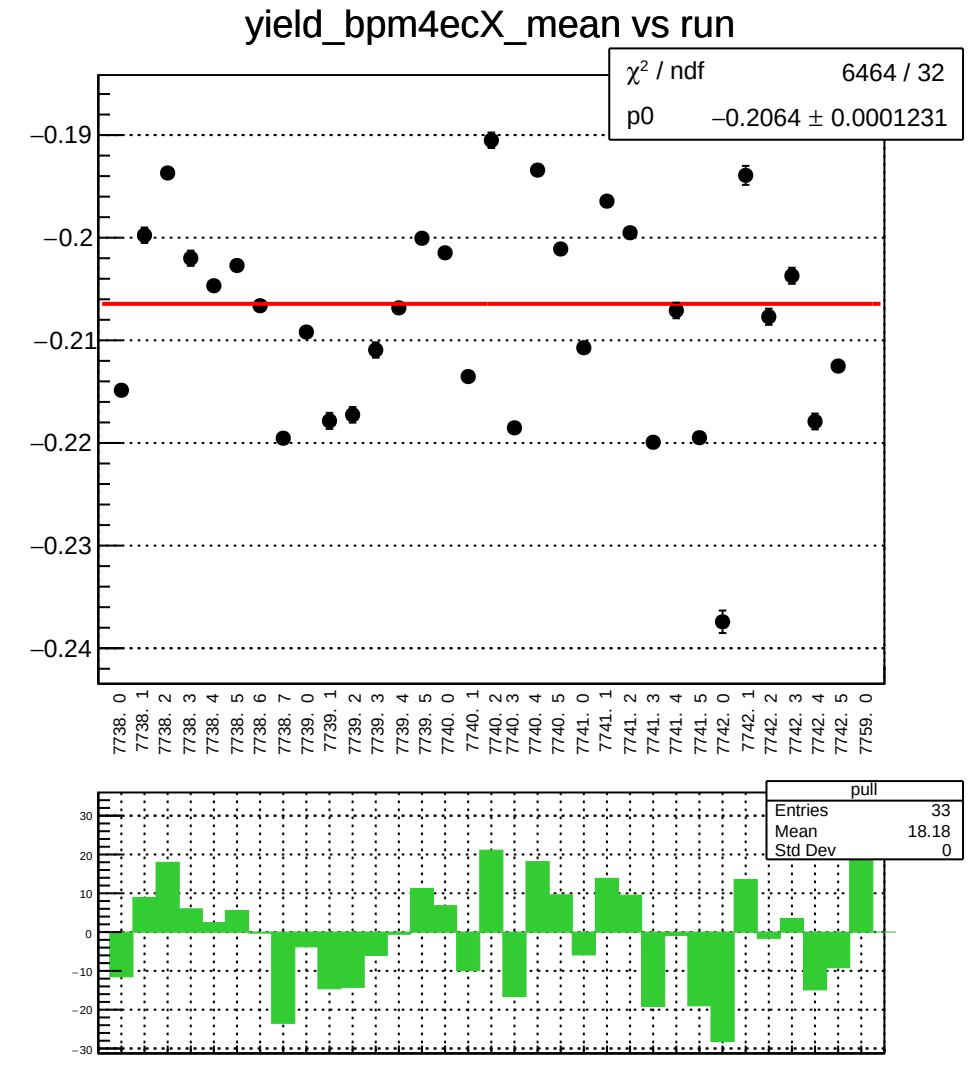

pull1D
Entries 33
Mean 1.21
Std Dev 4.094
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

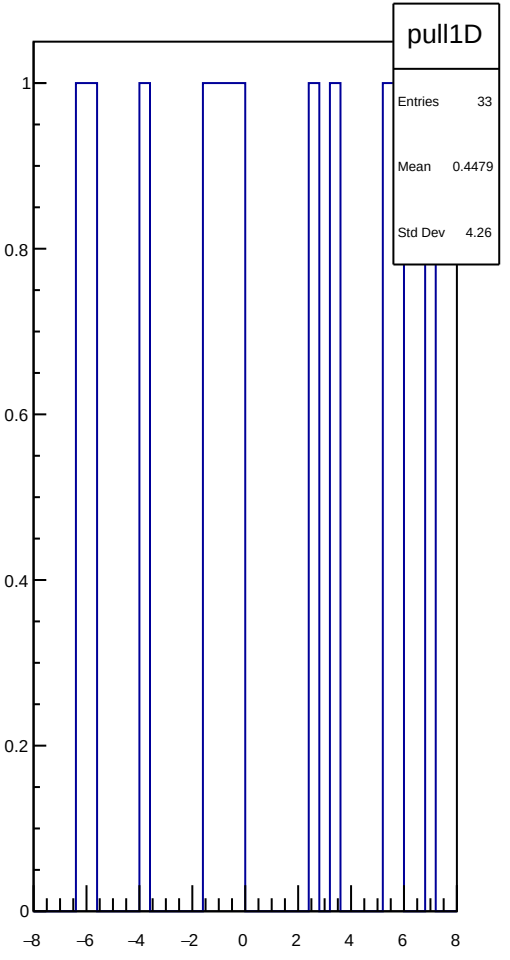

yield_bpm4acX_rms vs run
χ² / ndf 6831 / 32
p0 0.04998 ± 6.171e–05
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

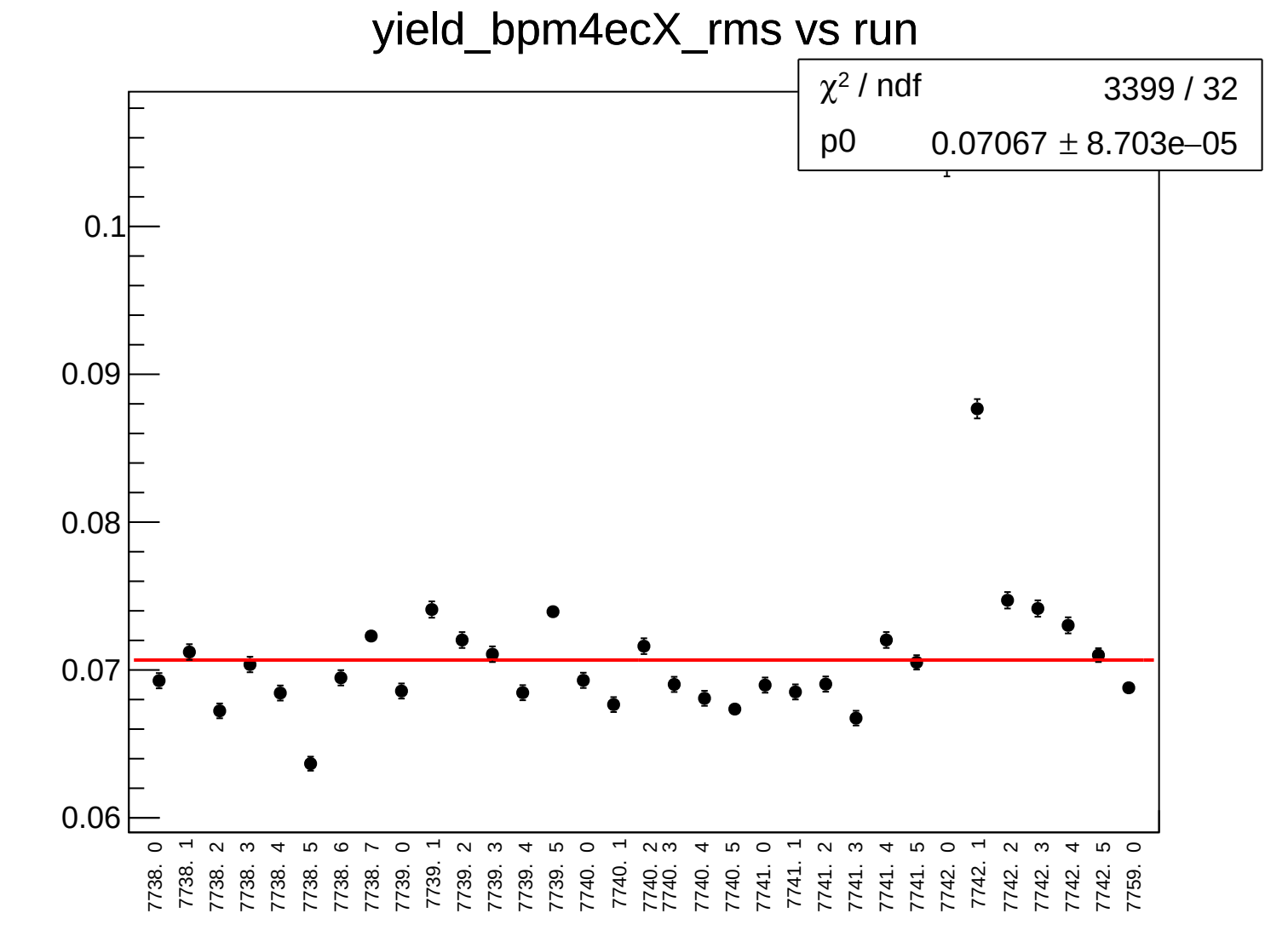

yield_bpm4acY_mean vs run
χ² / ndf 1.644e+04 / 32
p0 0.6444 ± 5.66e−05
0.66
0.655
0.65
0.645
0.64
0.635
0.63
0.625
0.62
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.13
Std Dev 0
40
20
0
−20
−40
−60

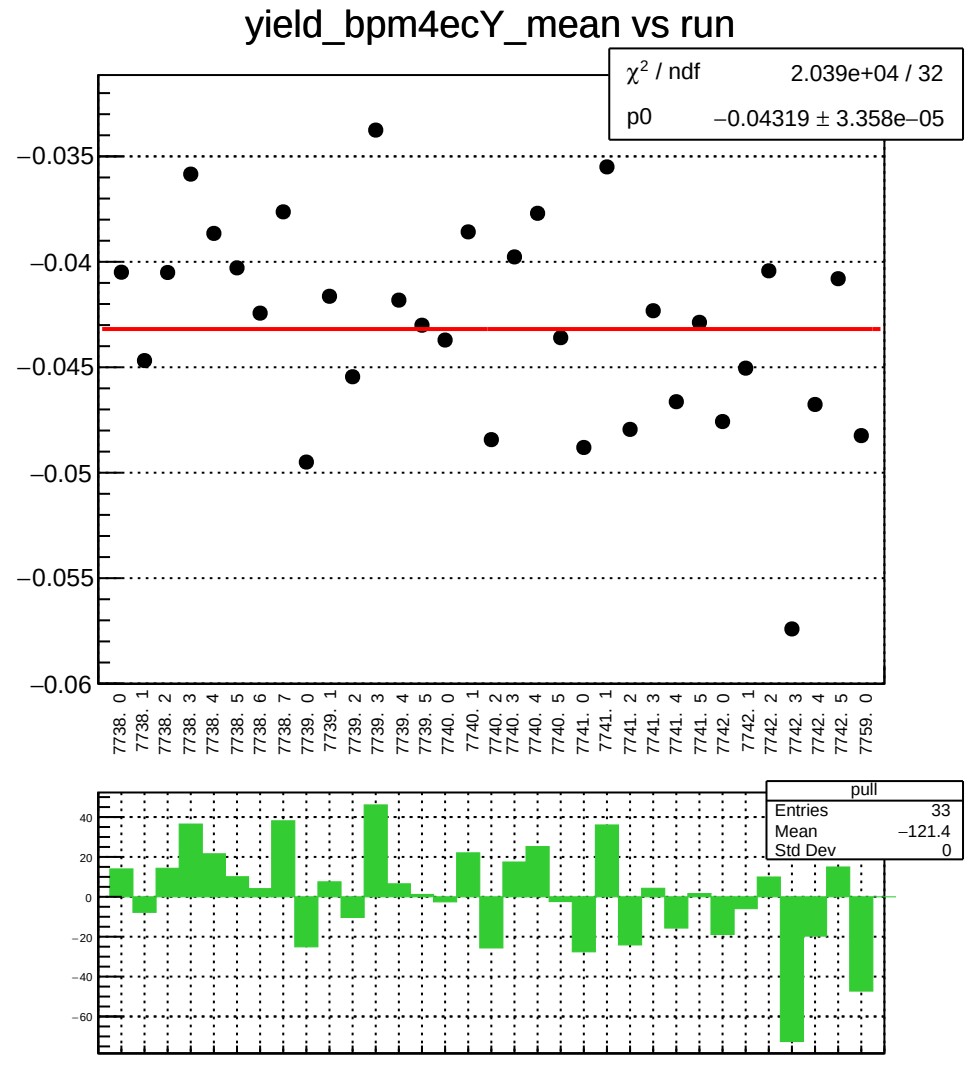

pull1D
Entries 33
Mean −0.2227
Std Dev 5.625
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

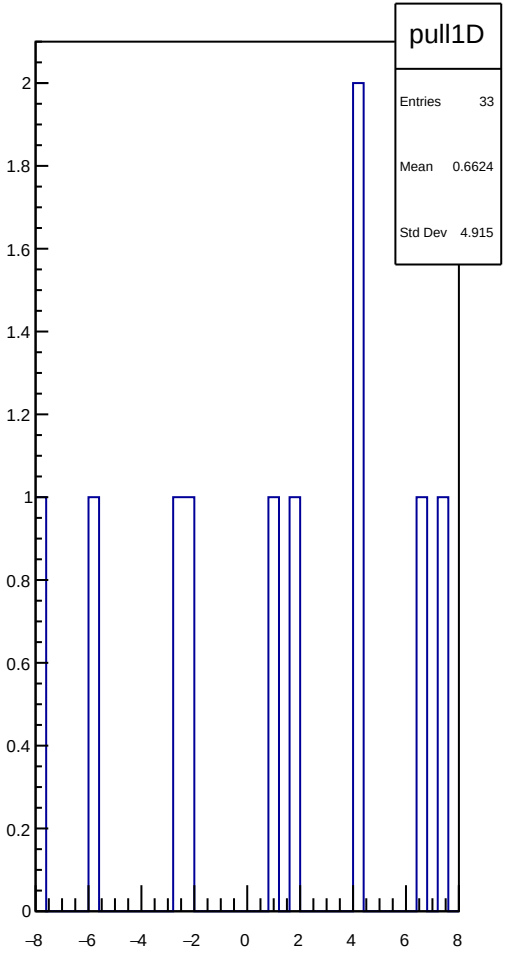

yield_bpm4acY_rms vs run
χ² / ndf 5.154e+04 / 32
p0 0.03129 ± 4.002e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

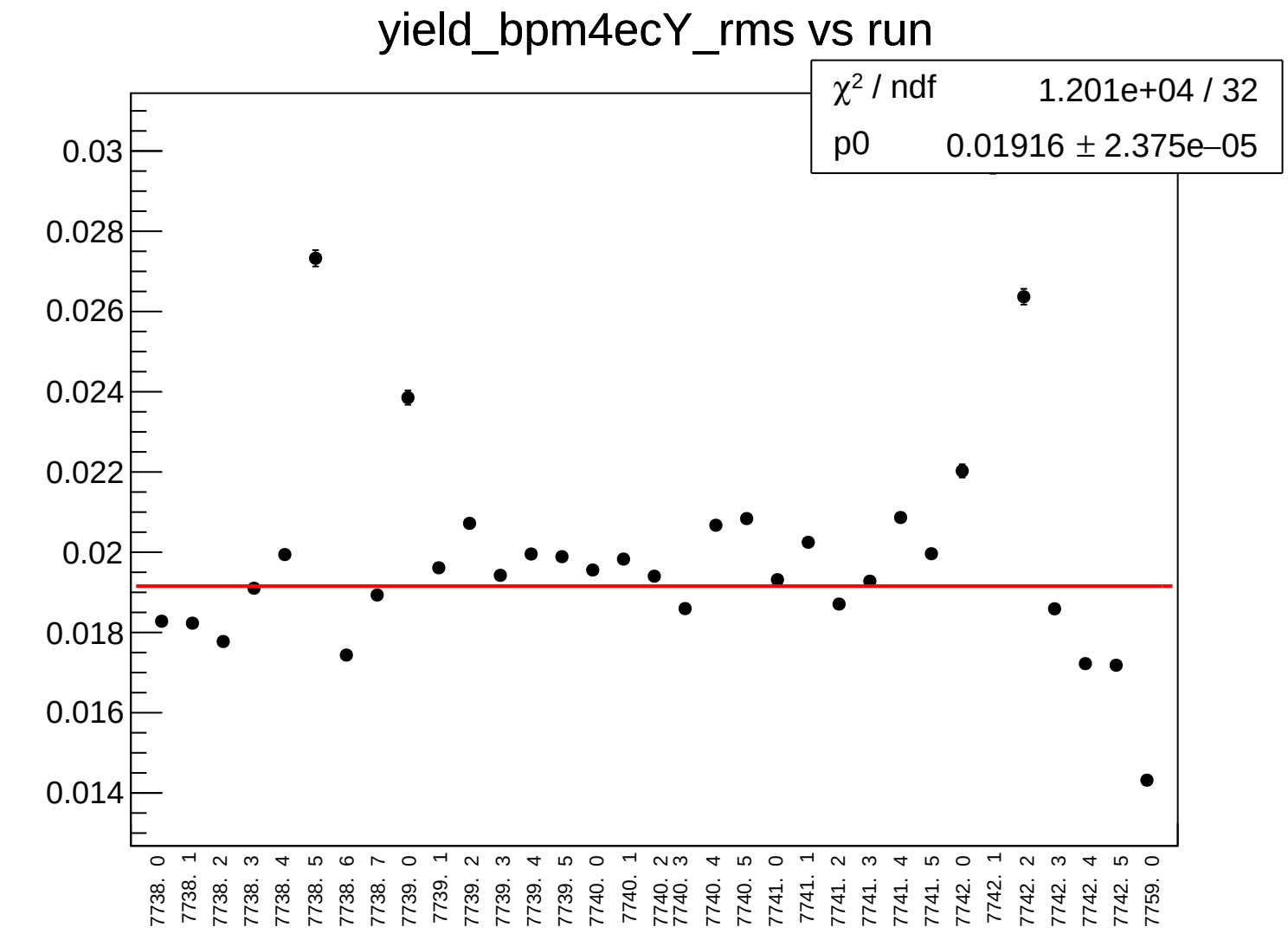

yield_bpm4ecX_mean vs run
χ² / ndf 6464 / 32
p0 −0.2064 ± 0.0001231
−0.19
−0.2
−0.21
−0.22
−0.23
−0.24
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.18
Std Dev 0
30
20
10
0
−10
−20
−30

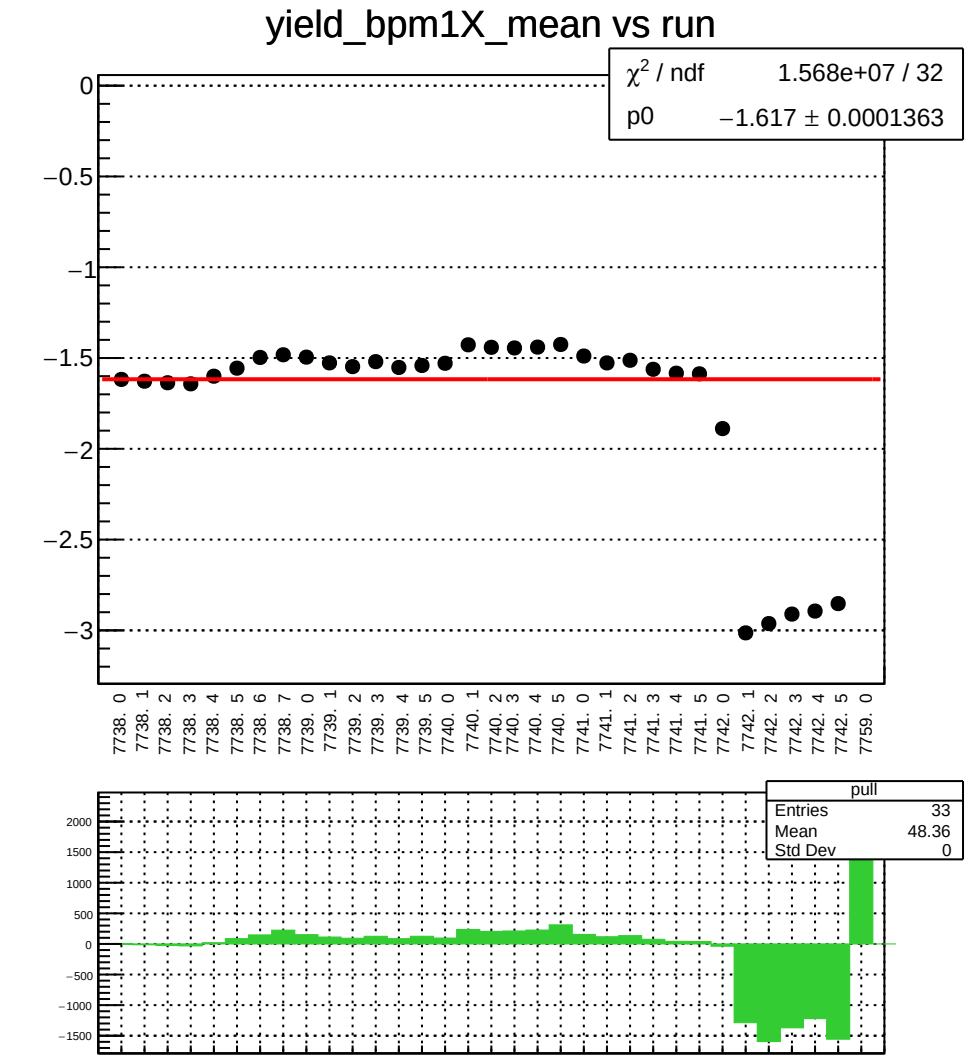

pull1D
Entries 33
Mean 0.4479
Std Dev 4.26
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

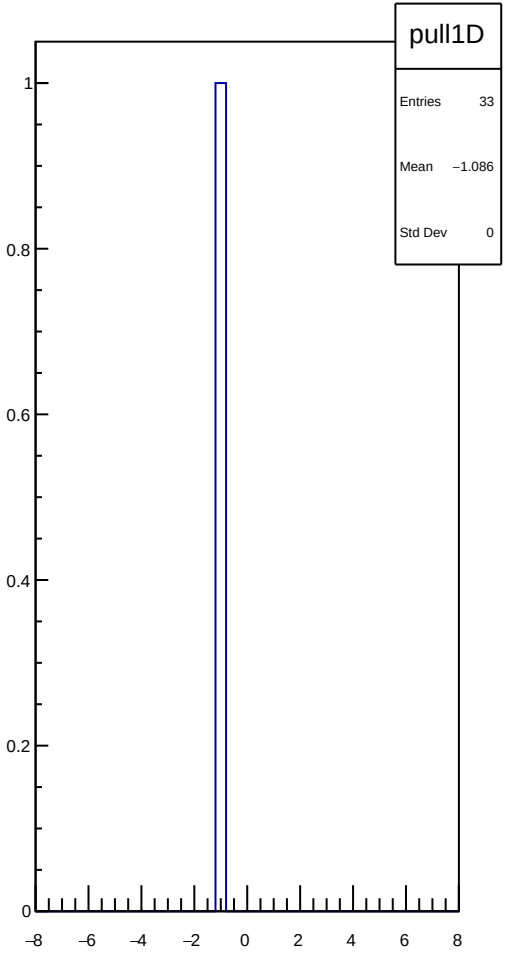

yield_bpm4ecX_rms vs run
χ² / ndf 3399 / 32
p0 0.07067 ± 8.703e–05
0.1
0.09
0.08
0.07
0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

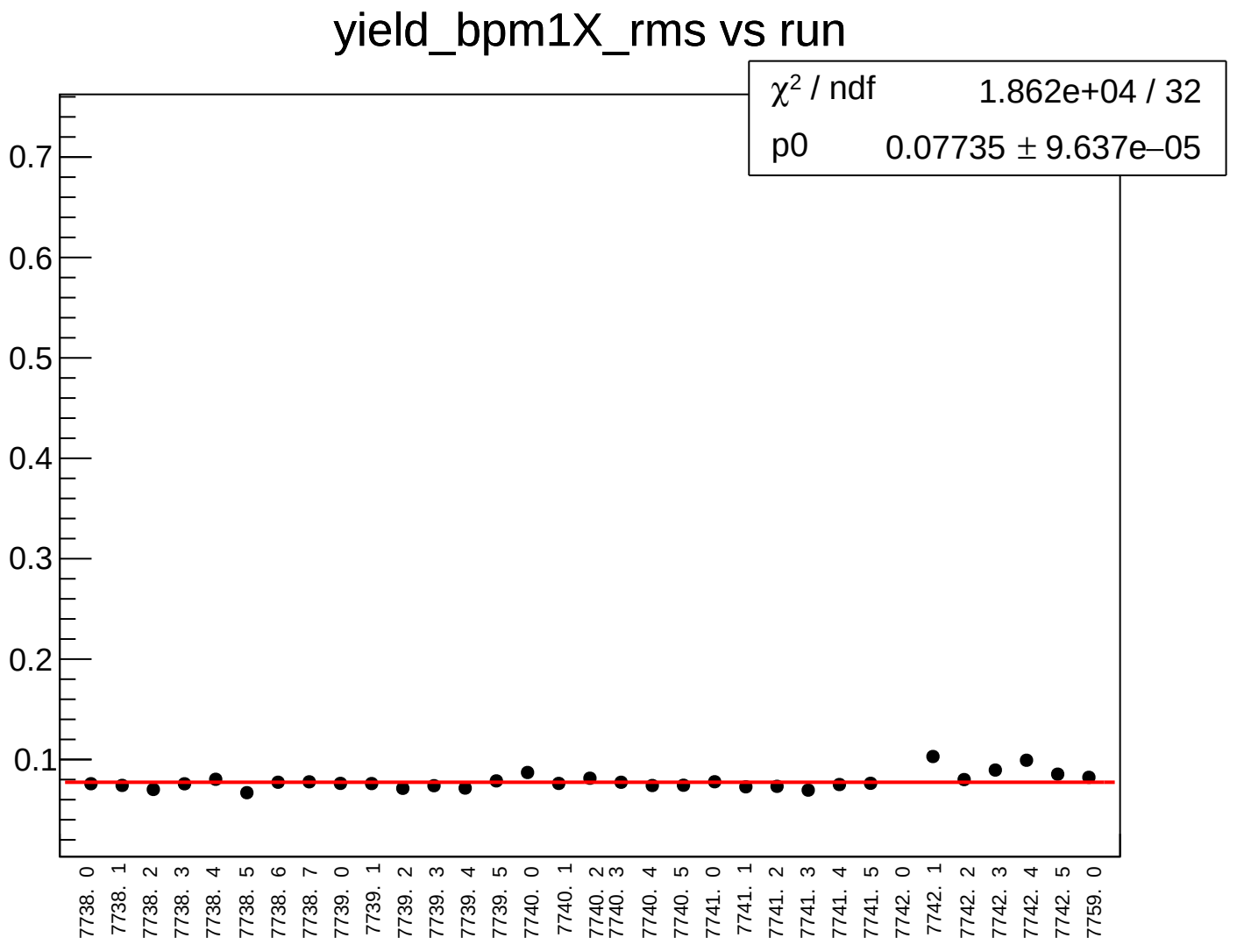

yield_bpm4ecY_mean vs run
χ² / ndf 2.039e+04 / 32
p0 −0.04319 ± 3.358e−05
−0.035
−0.04
−0.045
−0.05
−0.055
−0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −121.4
Std Dev 0
40
20
0
−20
−40
−60

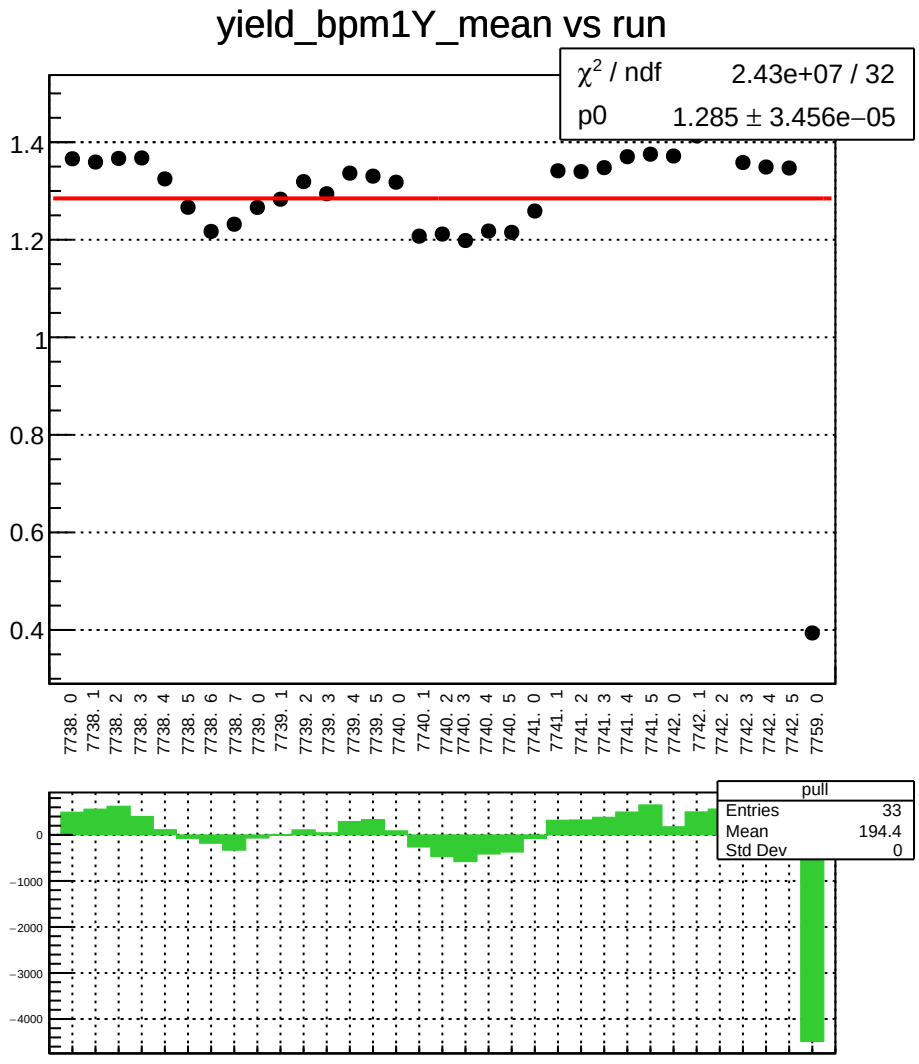

pull1D
Entries 33
Mean 0.6624
Std Dev 4.915
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

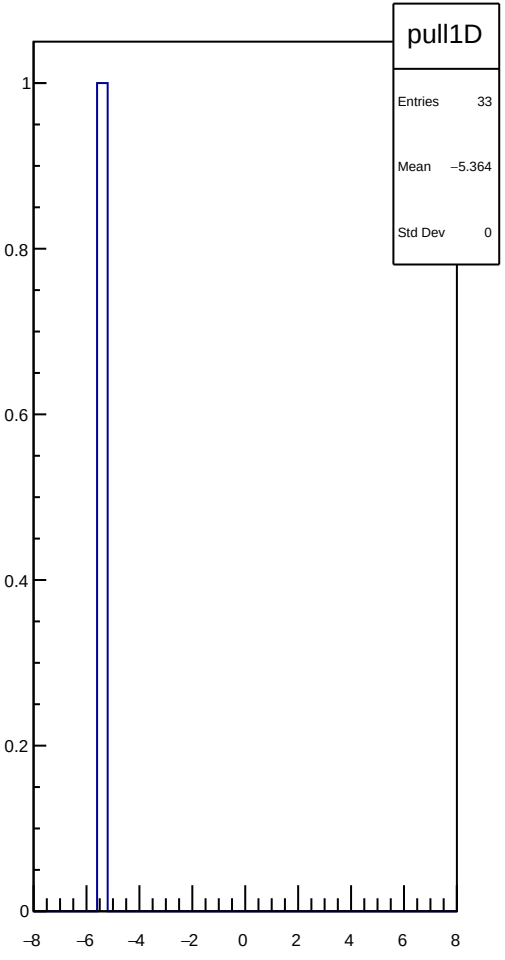

yield_bpm4ecY_rms vs run
χ² / ndf 1.201e+04 / 32
p0 0.01916 ± 2.375e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

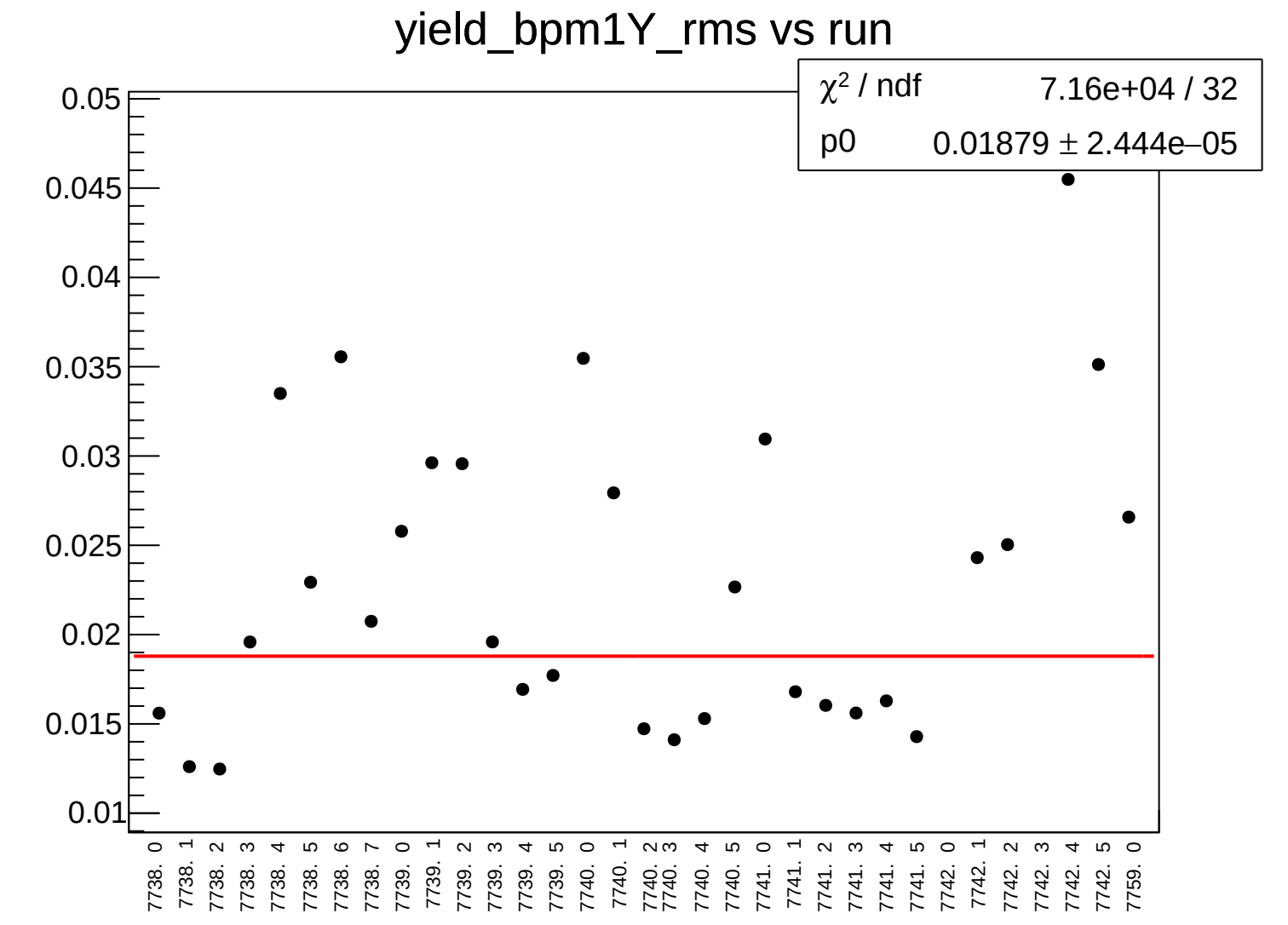

yield_bpm1X_mean vs run
χ² / ndf 1.568e+07 / 32
p0 −1.617 ± 0.0001363
0
−0.5
−1
−1.5
−2
−2.5
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 48.36
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500

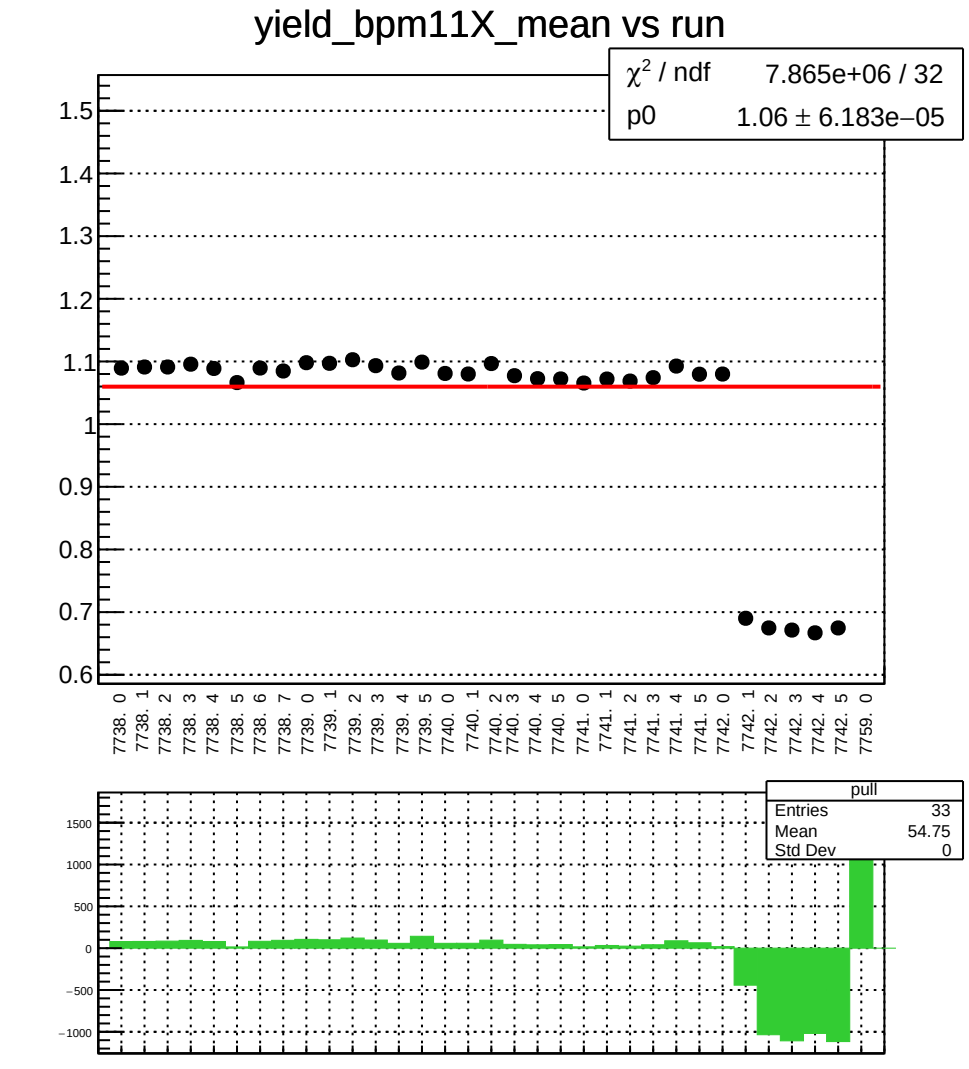

pull1D
Entries 33
Mean −1.086
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

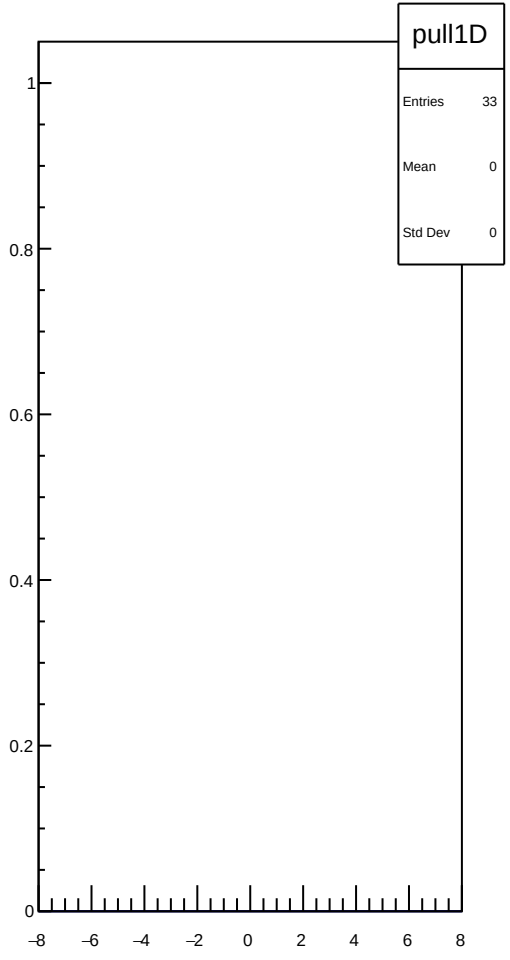

yield_bpm1X_rms vs run
χ² / ndf 1.862e+04 / 32
p0 0.07735 ± 9.637e–05
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

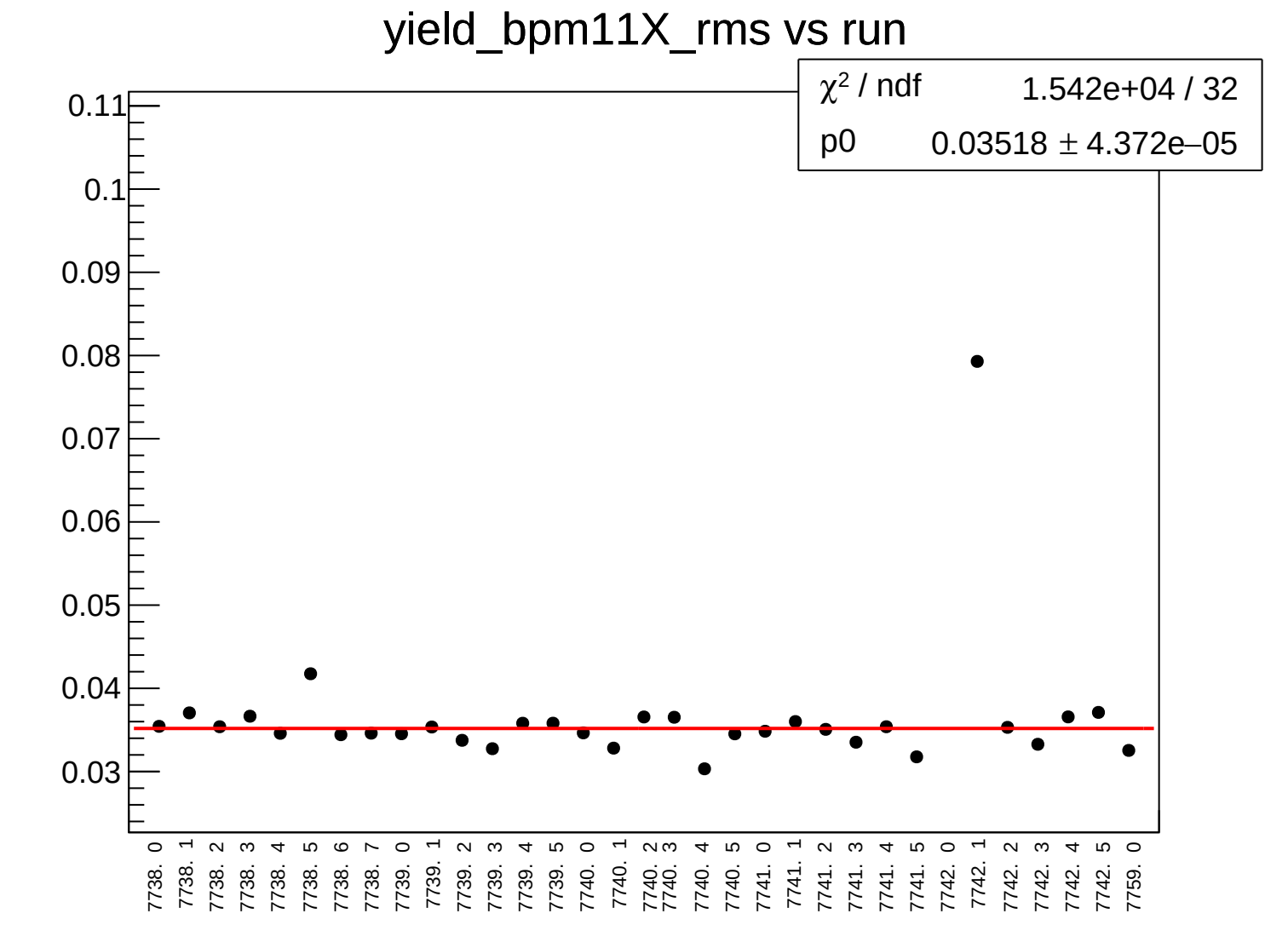

yield_bpm1Y_mean vs run
χ² / ndf 2.43e+07 / 32
p0 1.285 ± 3.456e−05
1.4
1.2
1
0.8
0.6
0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 194.4
Std Dev 0
0
−1000
−2000
−3000
−4000

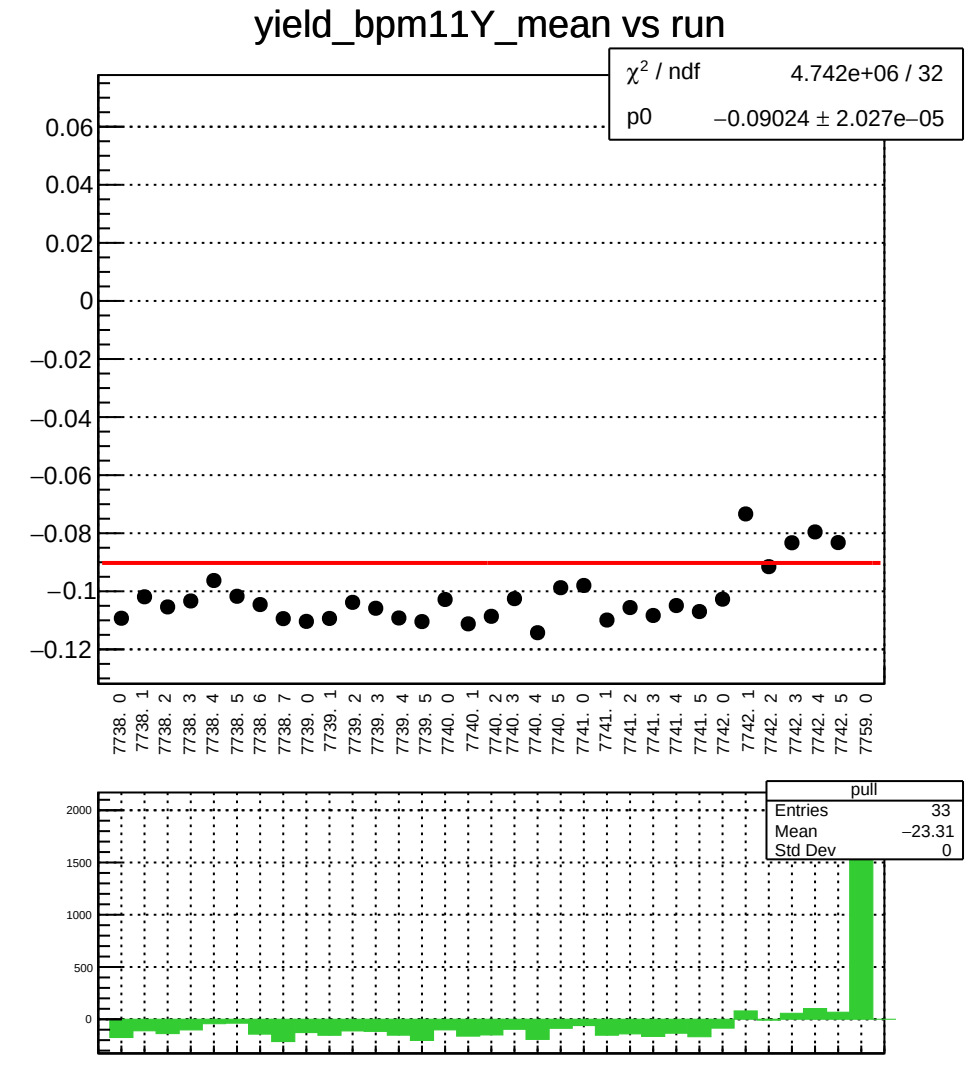

pull1D
Entries 33
Mean −5.364
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

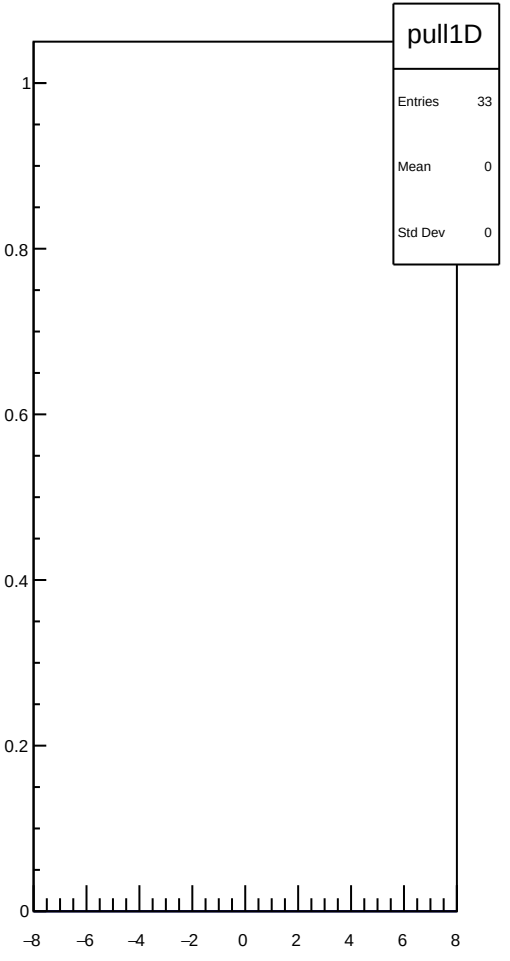

yield_bpm1Y_rms vs run
χ² / ndf 7.16e+04 / 32
p0 0.01879 ± 2.444e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

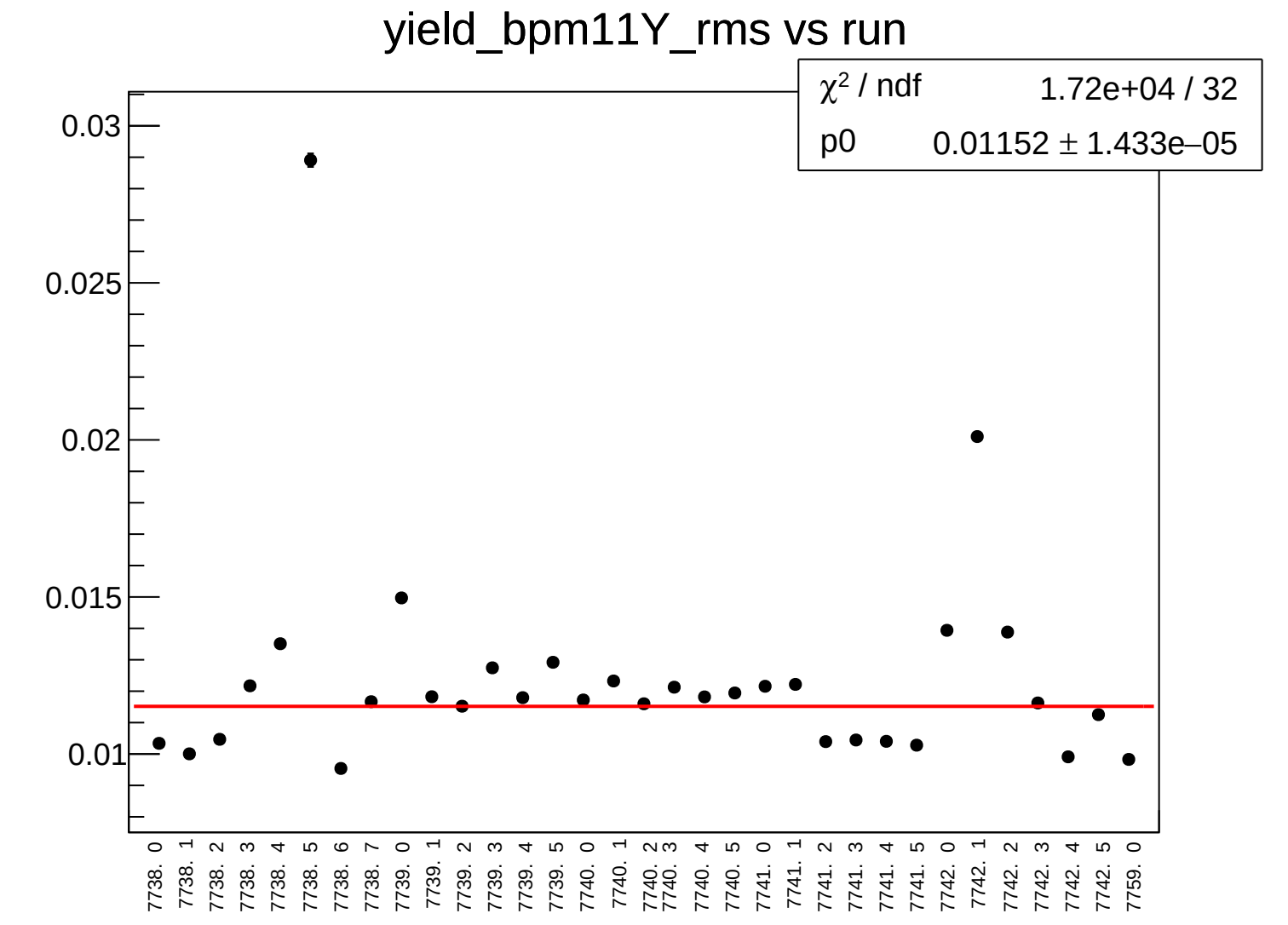

yield_bpm11X_mean vs run
χ² / ndf 7.865e+06 / 32
p0 1.06 ± 6.183e−05
pull
Entries 33
Mean 54.75
Std Dev 0

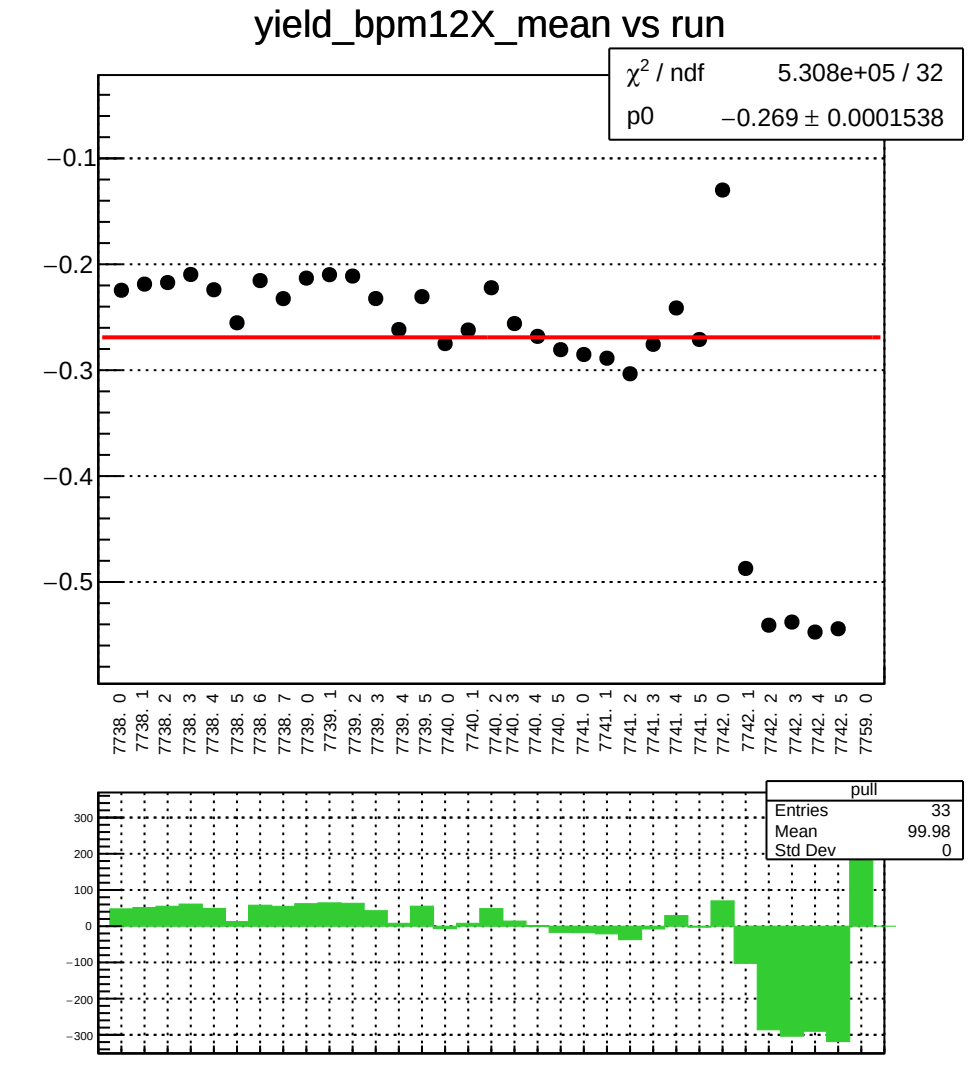

pull1D
Entries 33
Mean 0
Std Dev 0

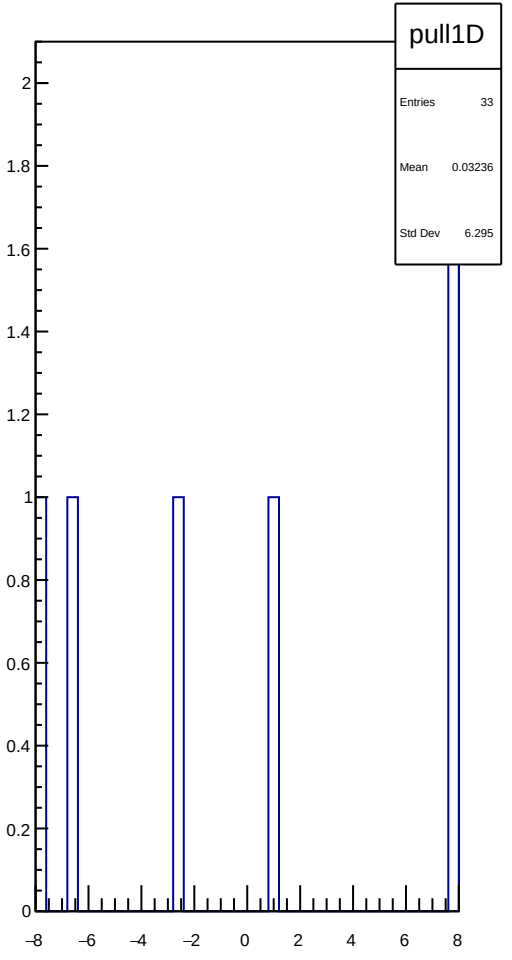

yield_bpm11X_rms vs run
χ² / ndf 1.542e+04 / 32
p0 0.03518 ± 4.372e–05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

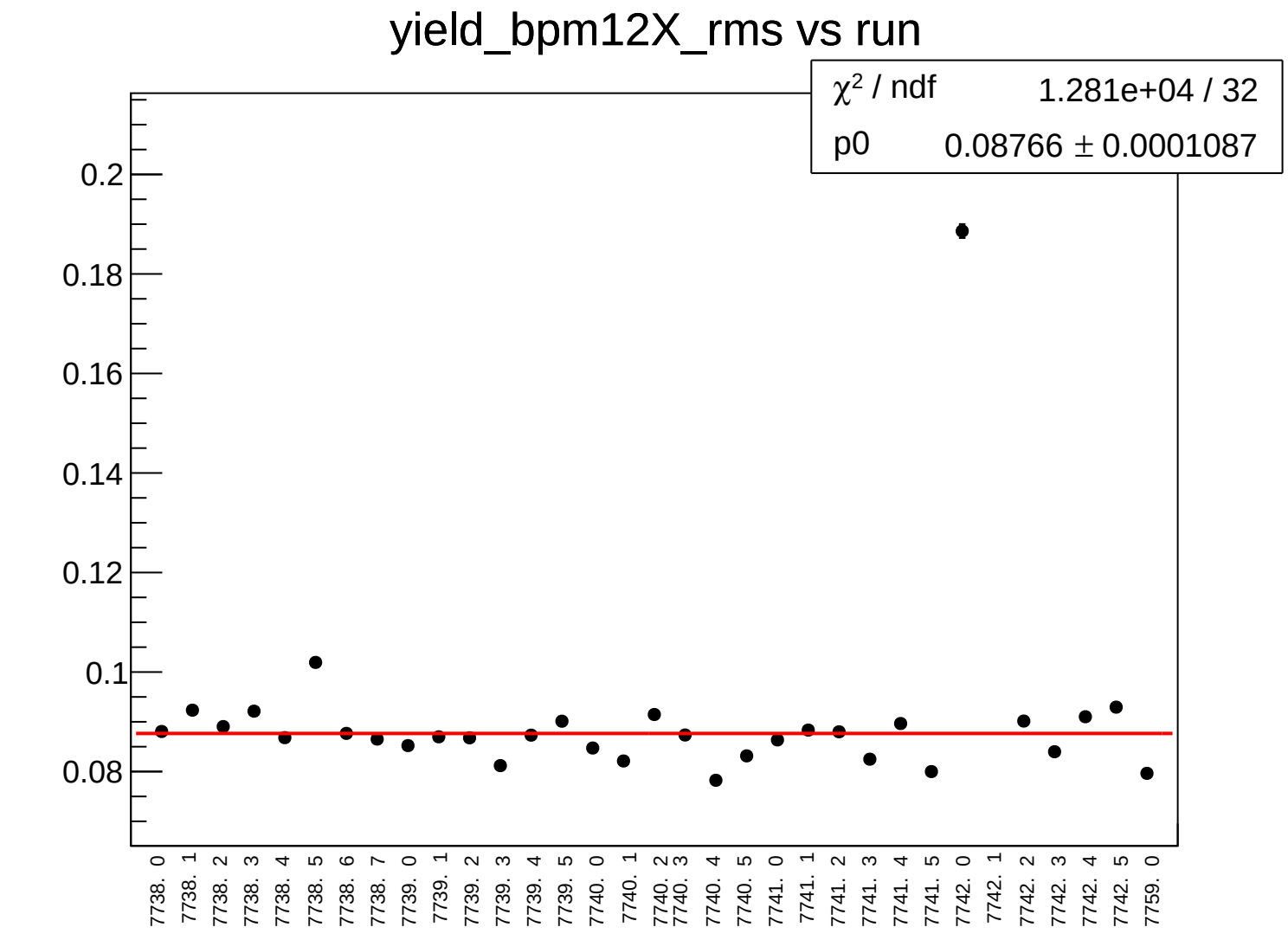

yield_bpm11Y_mean vs run
χ² / ndf 4.742e+06 / 32
p0 −0.09024 ± 2.027e−05
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −23.31
Std Dev 0
2000
1500
1000
500
0

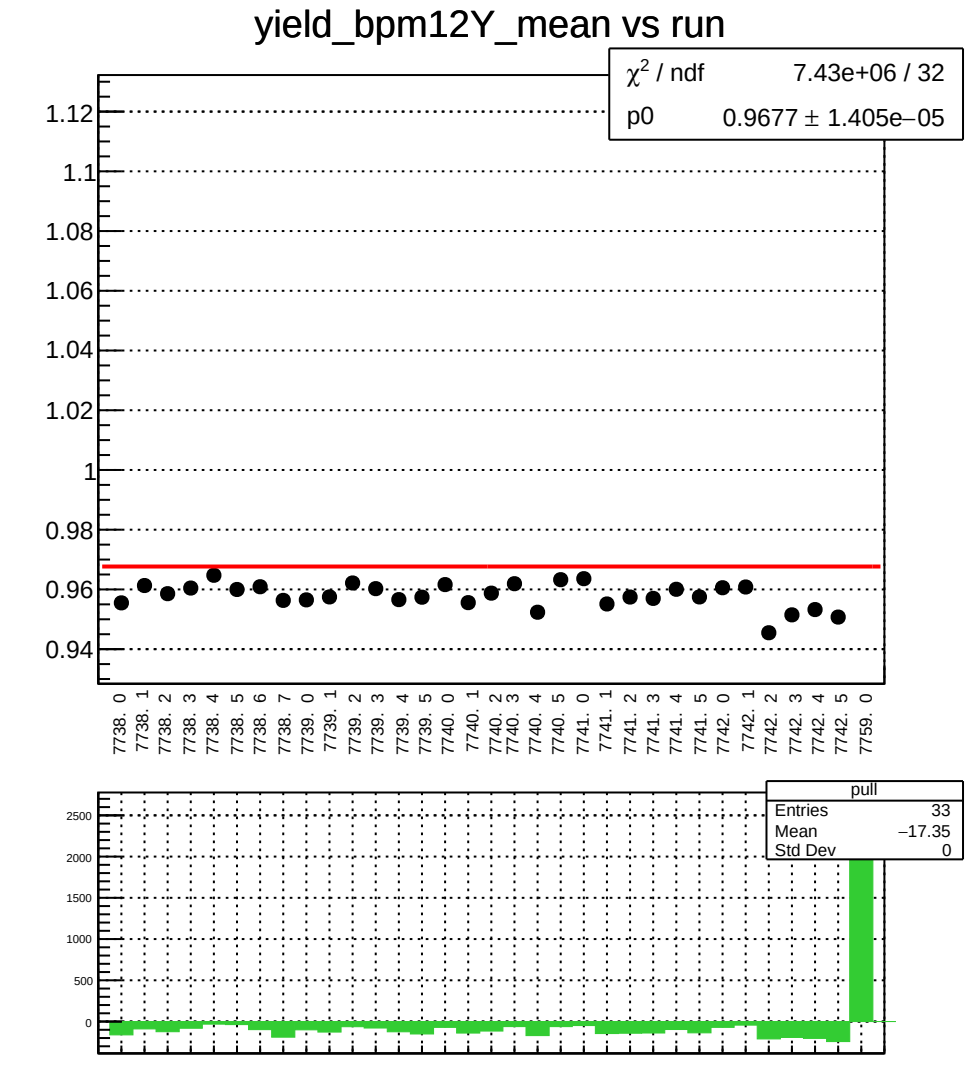

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

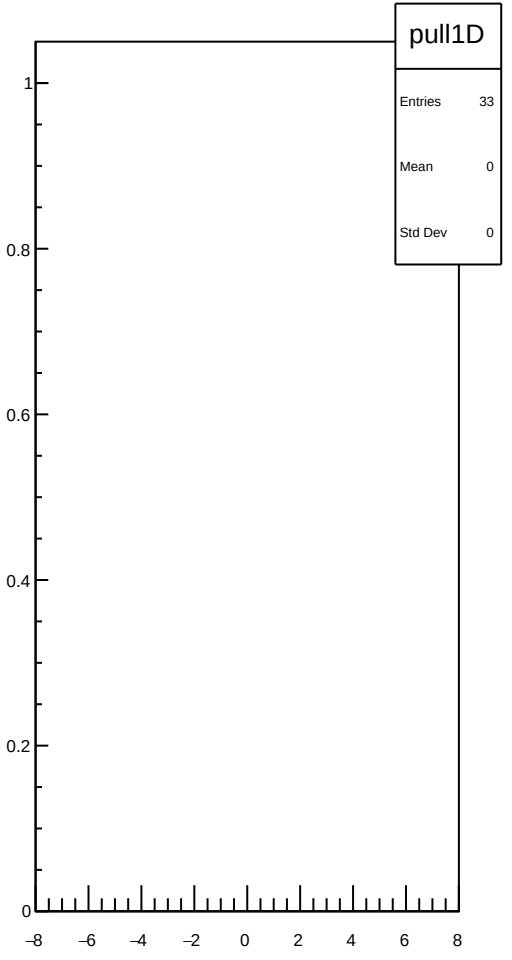

yield_bpm11Y_rms vs run
χ² / ndf 1.72e+04 / 32
p0 0.01152 ± 1.433e−05
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

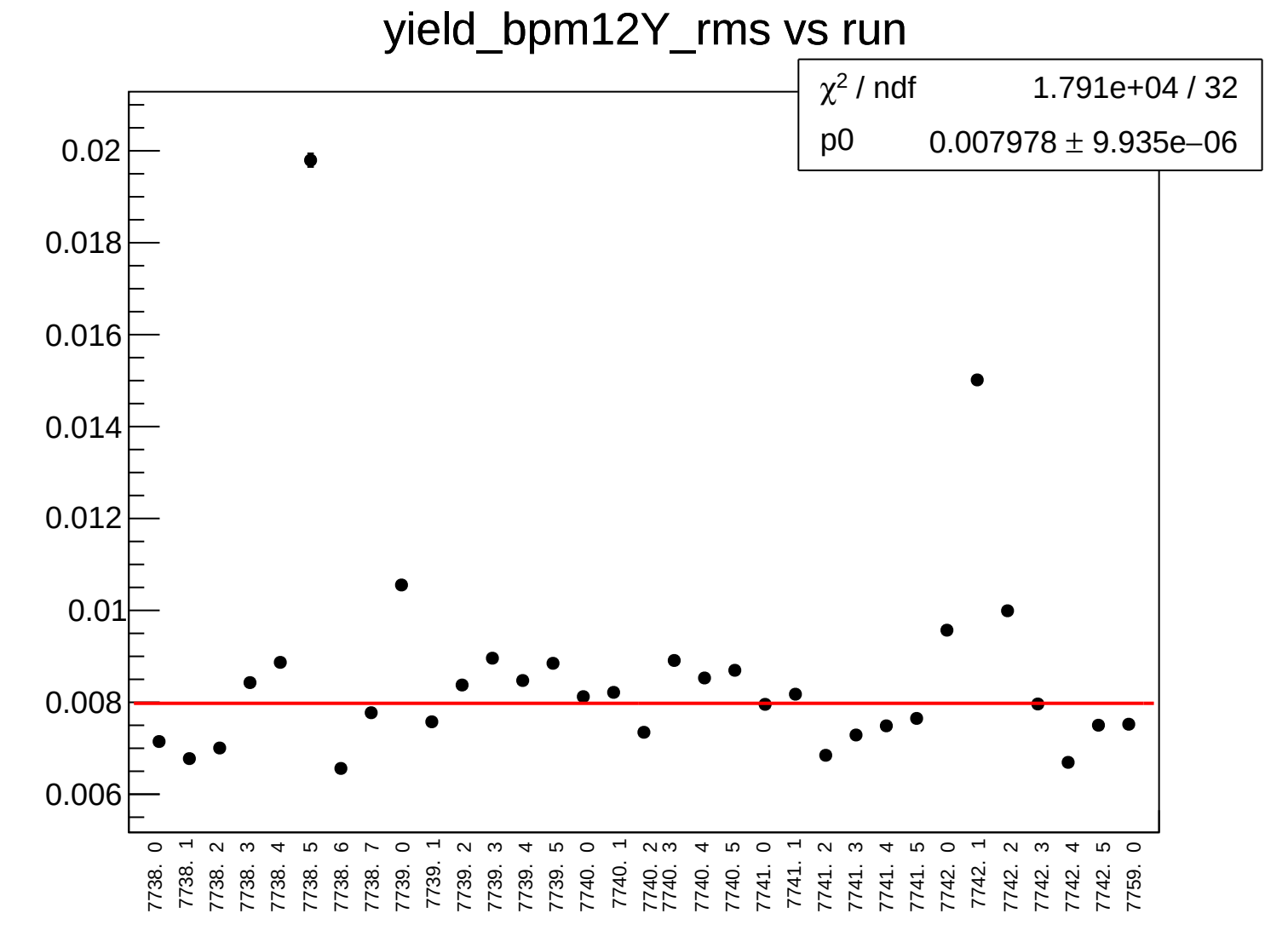

yield_bpm12X_mean vs run
χ² / ndf 5.308e+05 / 32
p0 −0.269 ± 0.0001538
−0.1
−0.2
−0.3
−0.4
−0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 99.98
Std Dev 0
300
200
100
0
−100
−200
−300

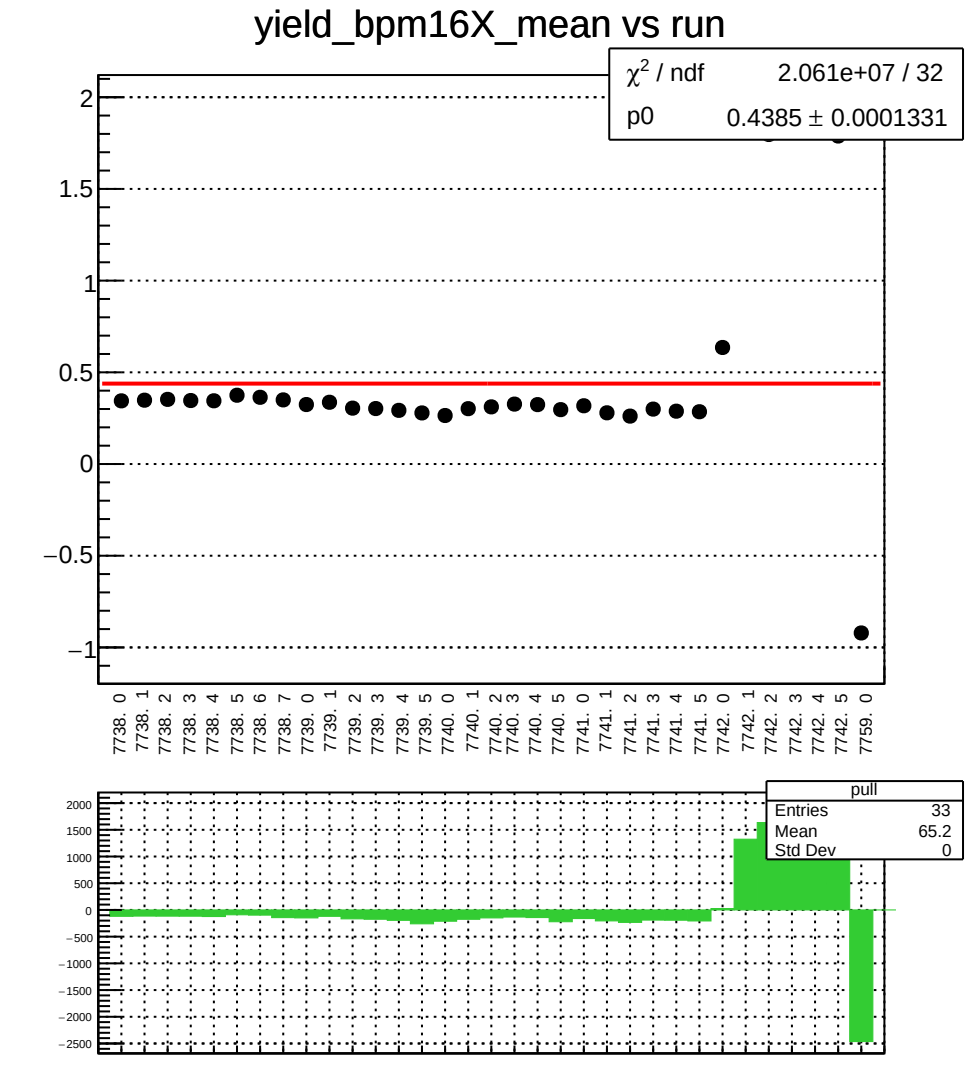

pull1D
Entries 33
Mean 0.03236
Std Dev 6.295
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

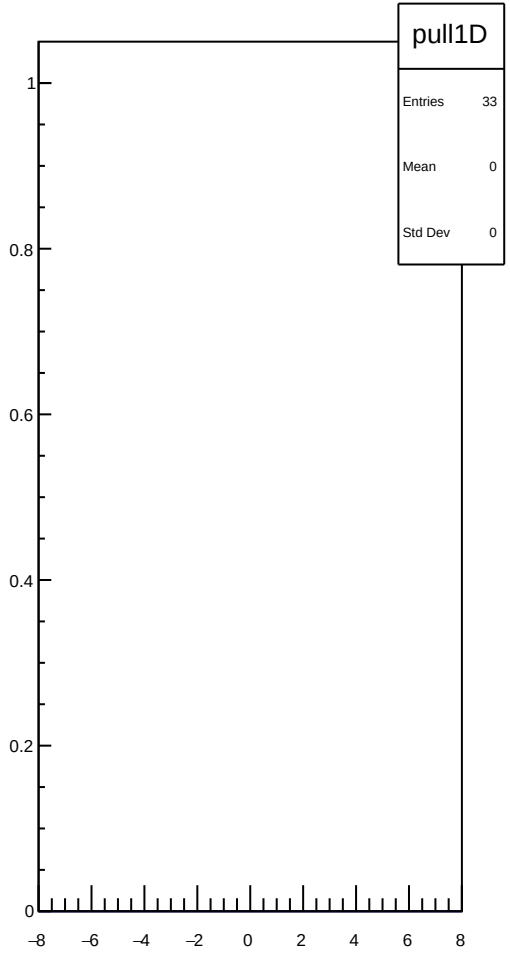

yield_bpm12X_rms vs run
χ² / ndf 1.281e+04 / 32
p0 0.08766 ± 0.0001087
0.2
0.18
0.16
0.14
0.12
0.1
0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

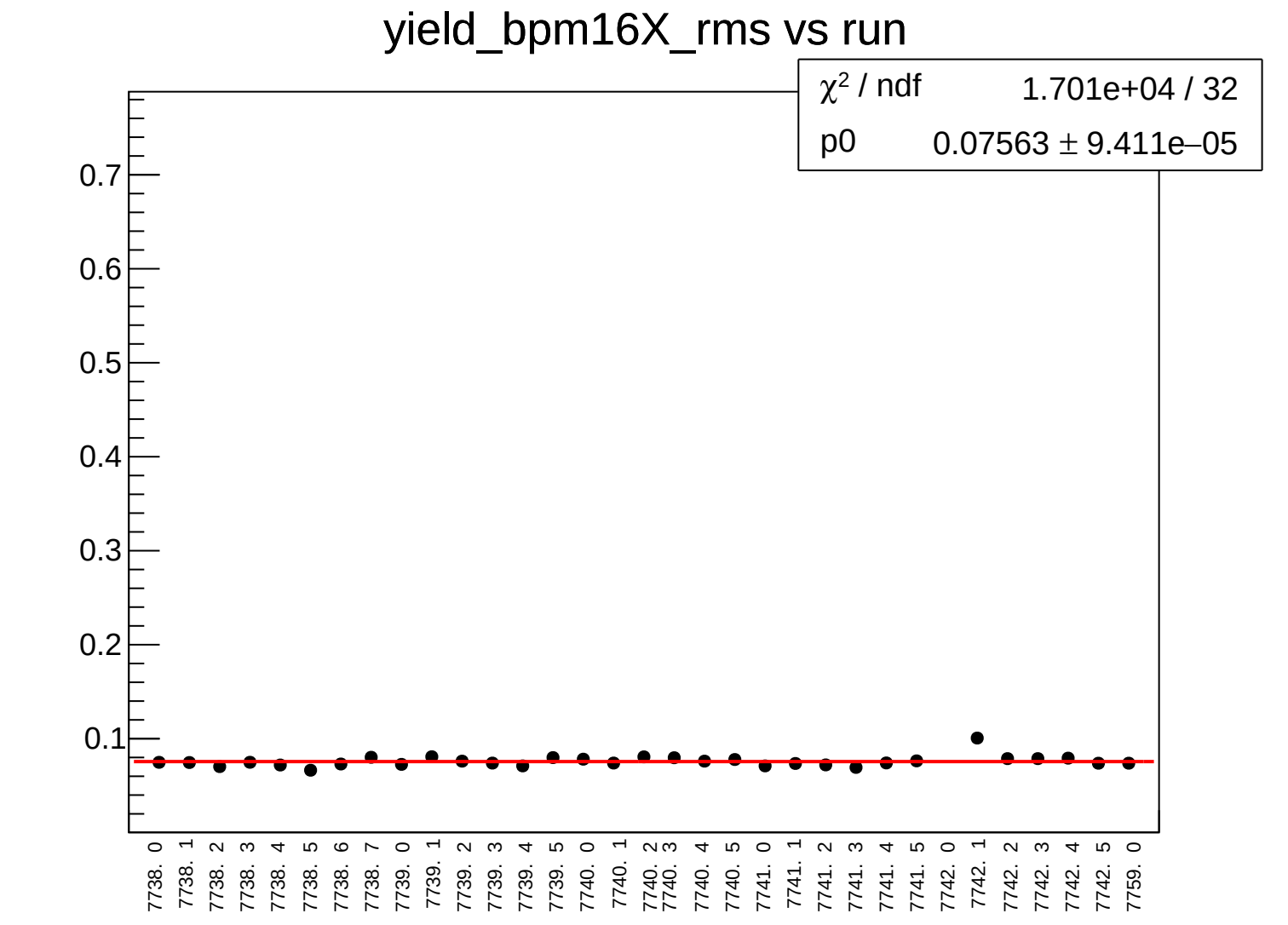

yield_bpm12Y_mean vs run
χ² / ndf 7.43e+06 / 32
p0 0.9677 ± 1.405e−05
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −17.35
Std Dev 0
2500
2000
1500
1000
500
0

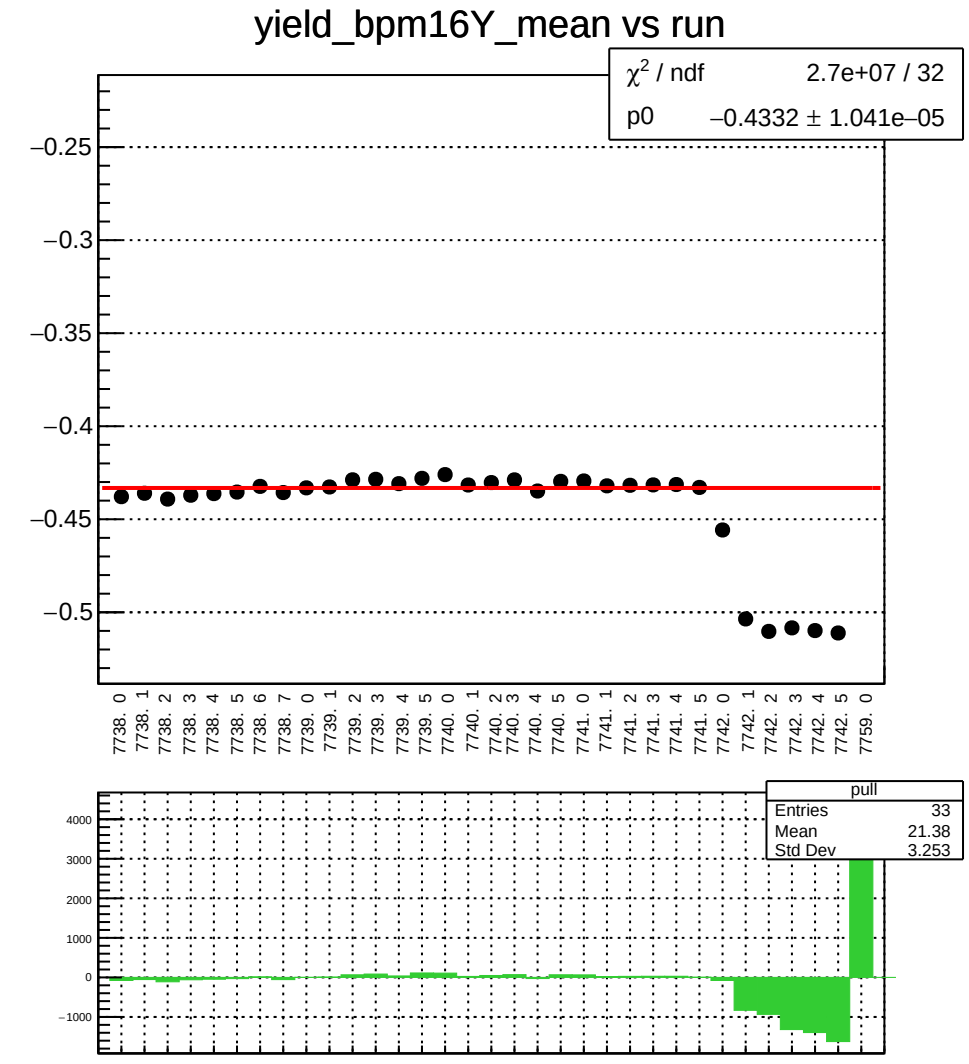

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

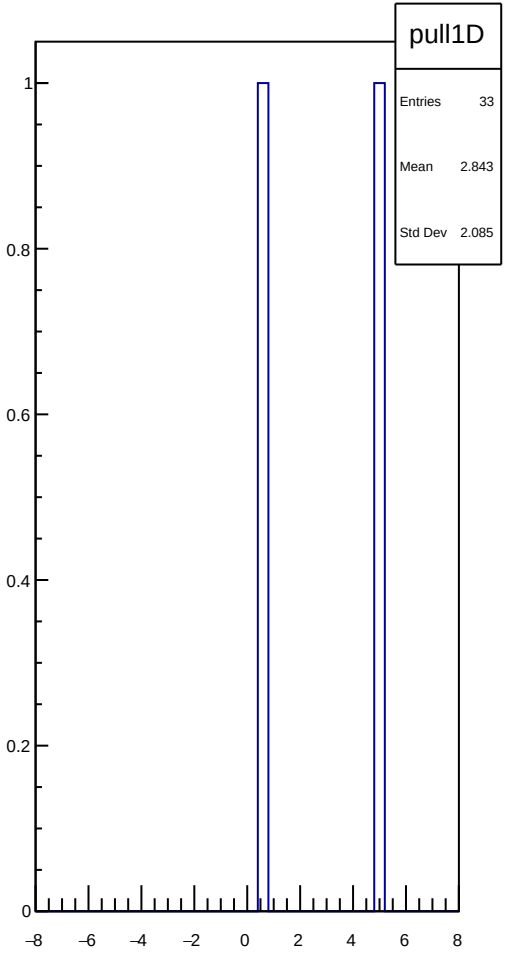

yield_bpm12Y_rms vs run
χ² / ndf 1.791e+04 / 32
p0 0.007978 ± 9.935e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

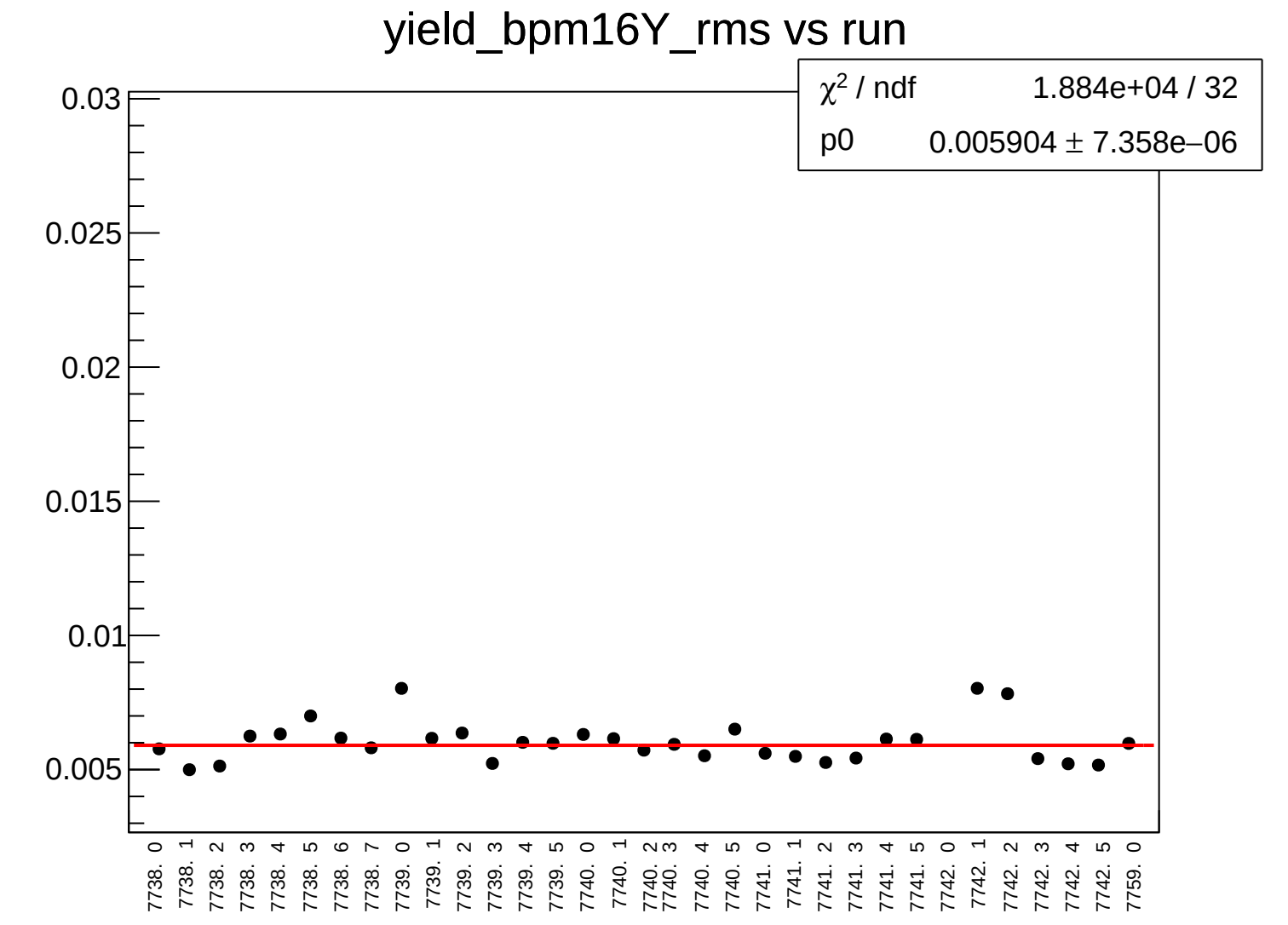

yield_bpm16X_mean vs run
χ² / ndf 2.061e+07 / 32
p0 0.4385 ± 0.0001331
pull
Entries 33
Mean 65.2
Std Dev 0

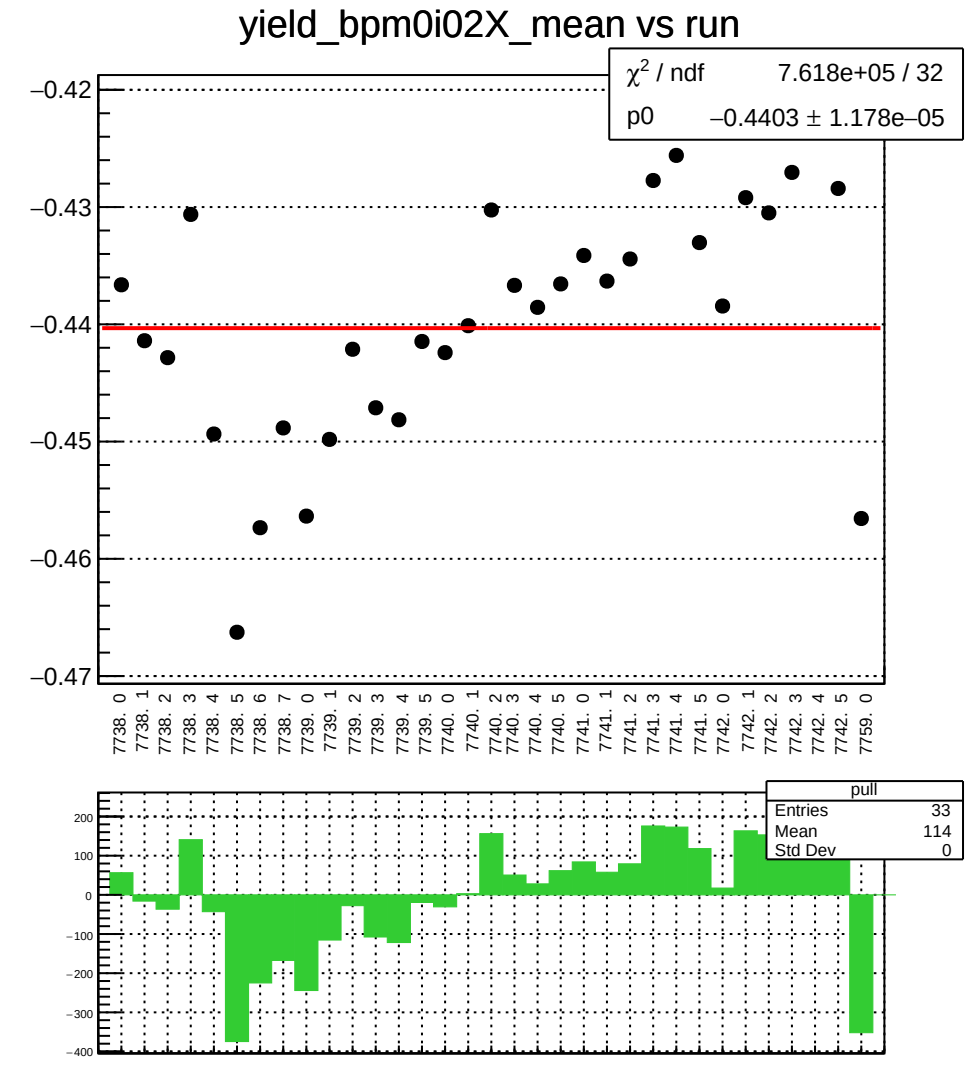

pull1D
Entries 33
Mean 0
Std Dev 0

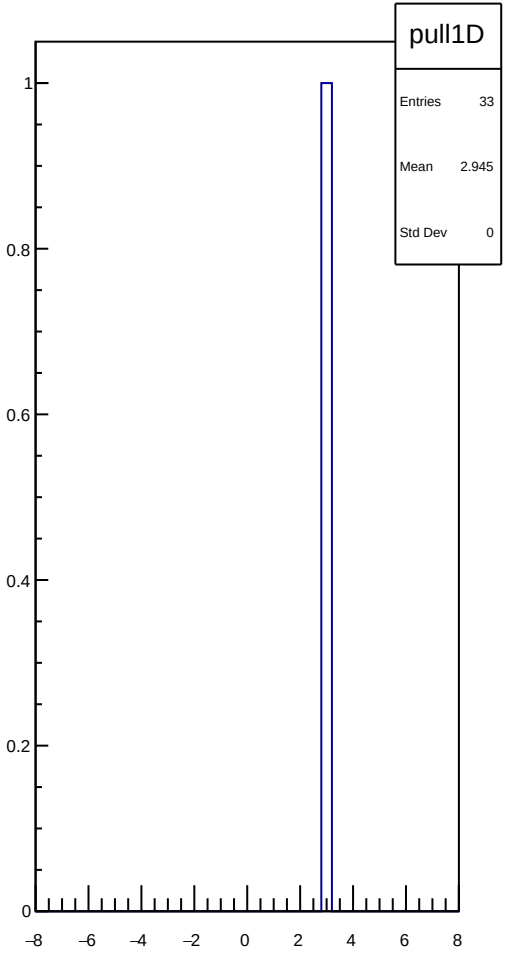

yield_bpm16X_rms vs run
χ² / ndf 1.701e+04 / 32
p0 0.07563 ± 9.411e–05
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

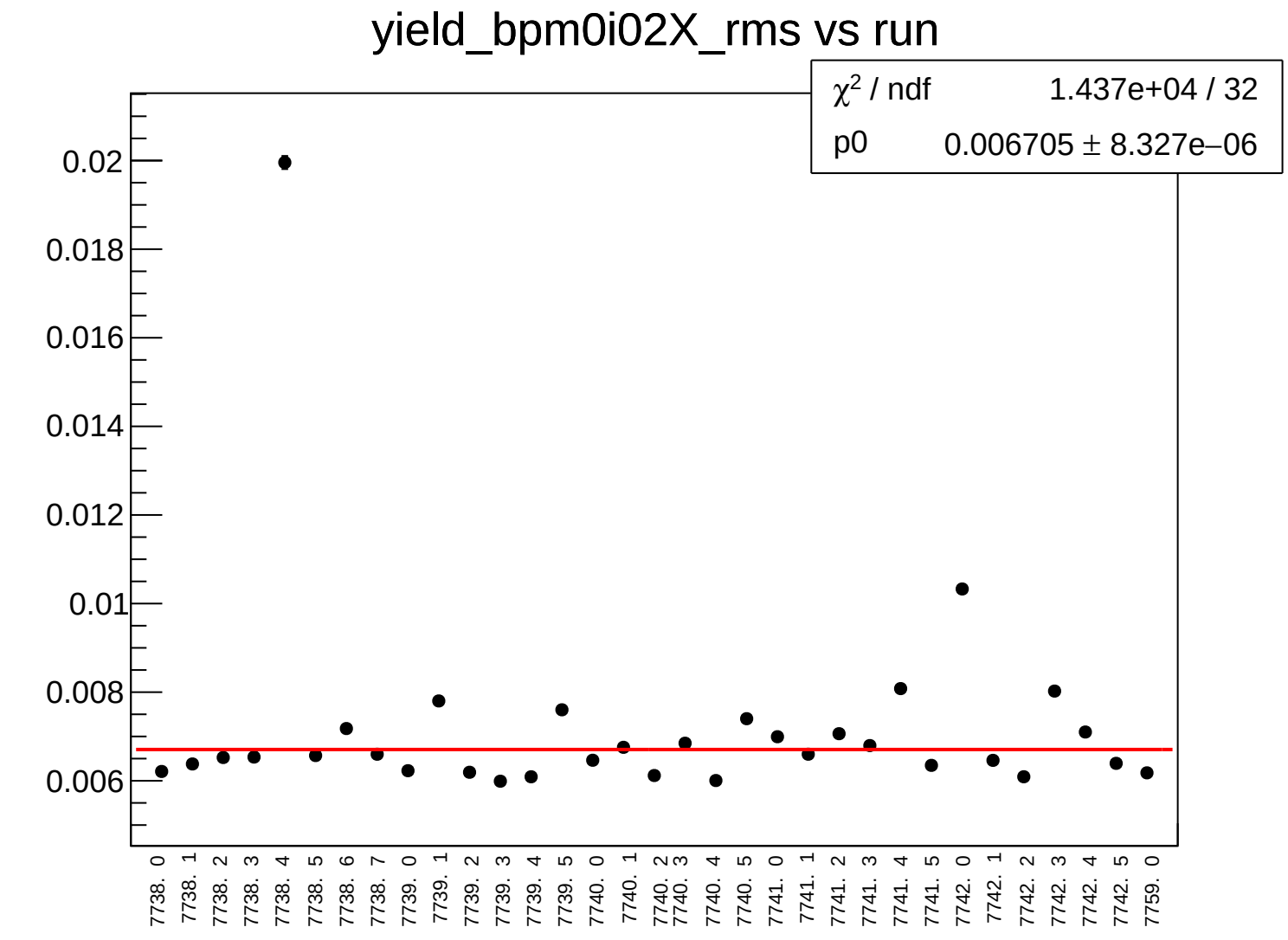

yield_bpm16Y_mean vs run
χ² / ndf 2.7e+07 / 32
p0 −0.4332 ± 1.041e−05
−0.25
−0.3
−0.35
−0.4
−0.45
−0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 21.38
Std Dev 3.253
4000
3000
2000
1000
0
−1000

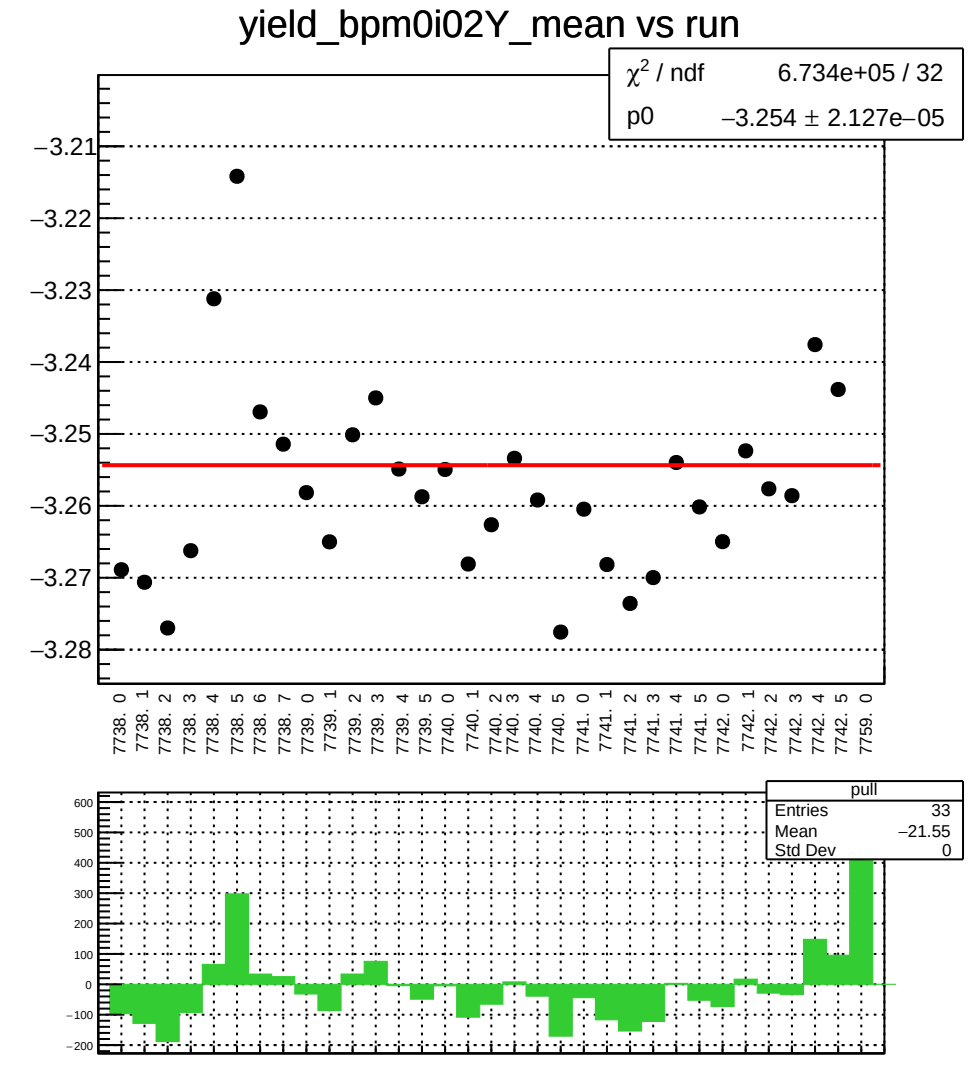

pull1D
Entries 33
Mean 2.843
Std Dev 2.085
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

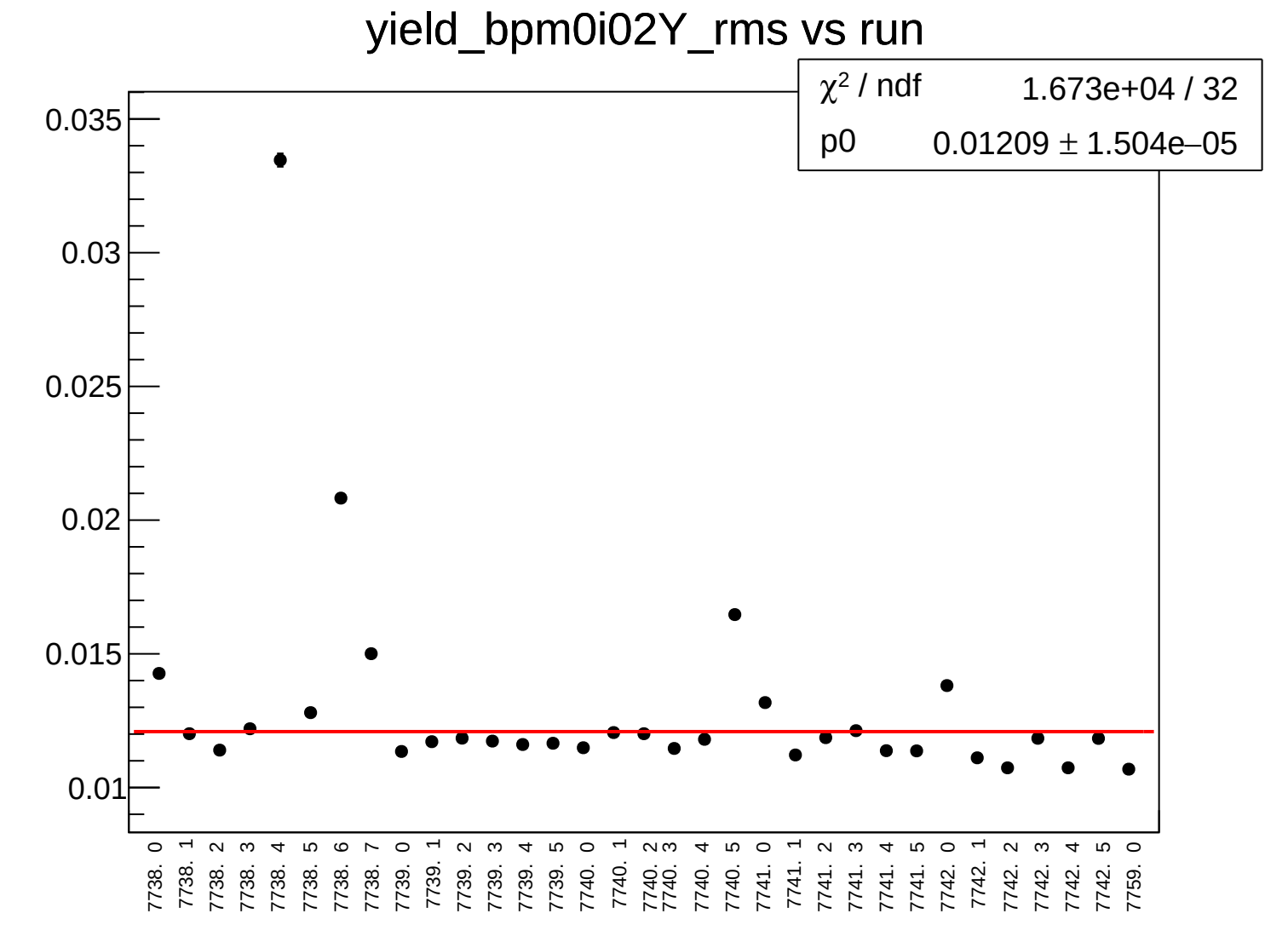

yield_bpm16Y_rms vs run
χ² / ndf 1.884e+04 / 32
p0 0.005904 ± 7.358e−06
0.03
0.025
0.02
0.015
0.01
0.005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

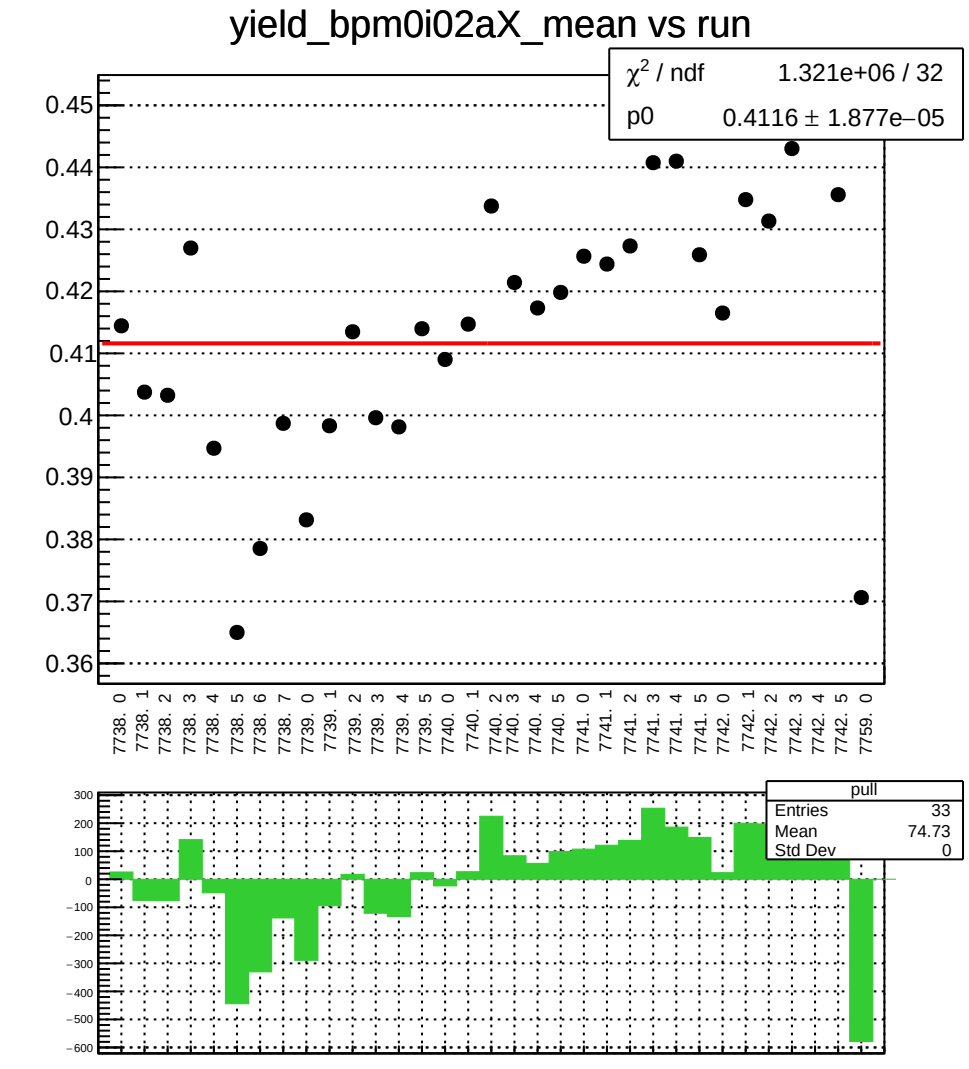

yield_bpm0i02X_mean vs run
χ² / ndf 7.618e+05 / 32
p0 −0.4403 ± 1.178e−05
−0.42
−0.43
−0.44
−0.45
−0.46
−0.47
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 114
Std Dev 0
200
100
0
−100
−200
−300
−400

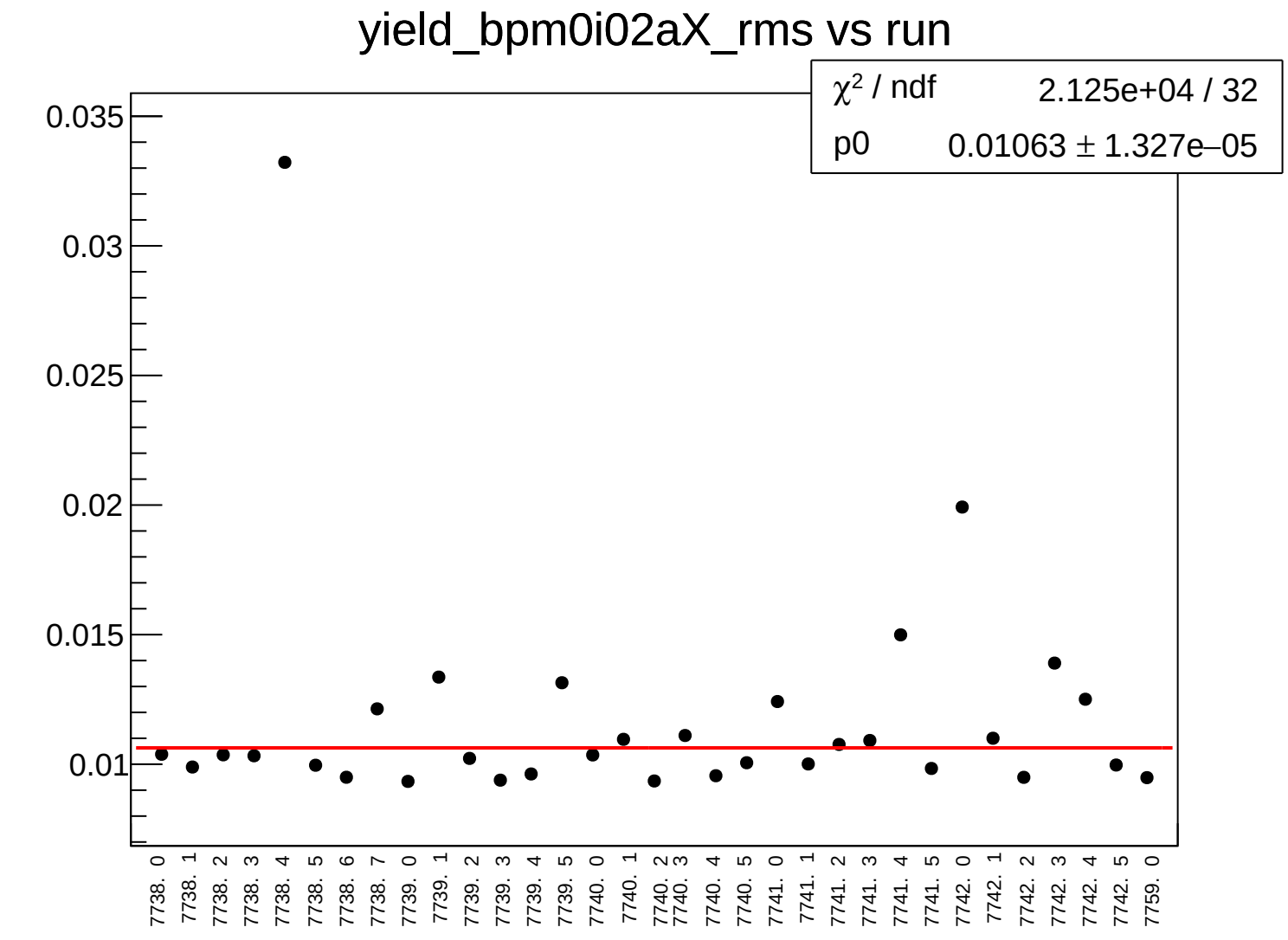

pull1D
Entries 33
Mean 2.945
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

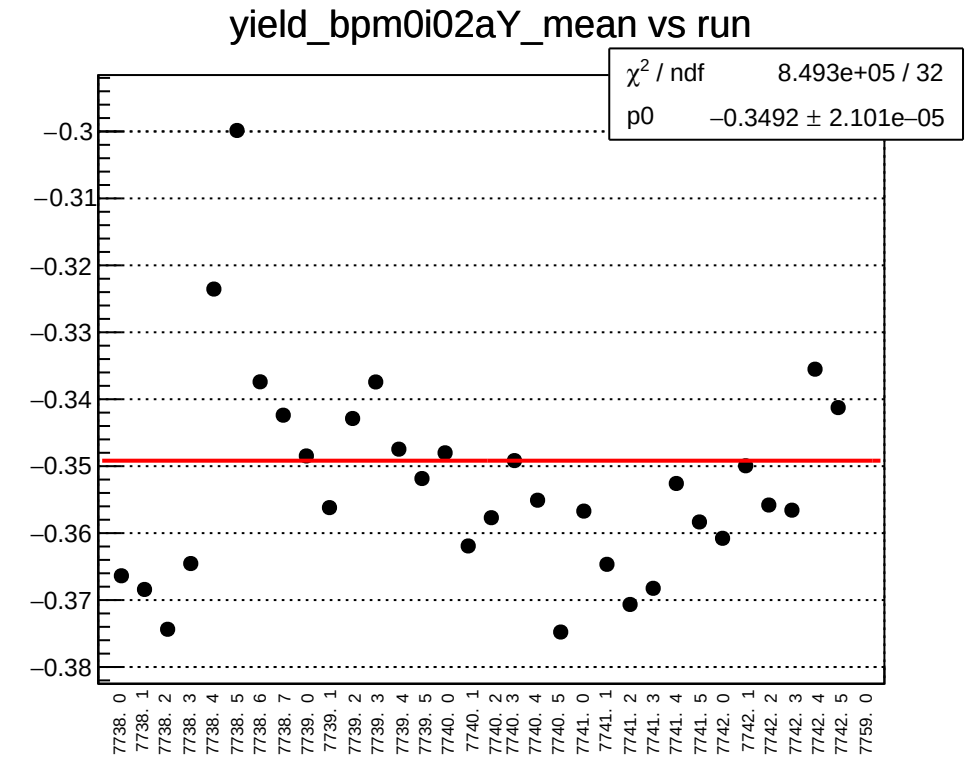

yield_bpm0i02X_rms vs run
χ² / ndf 1.437e+04 / 32
p0 0.006705 ± 8.327e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

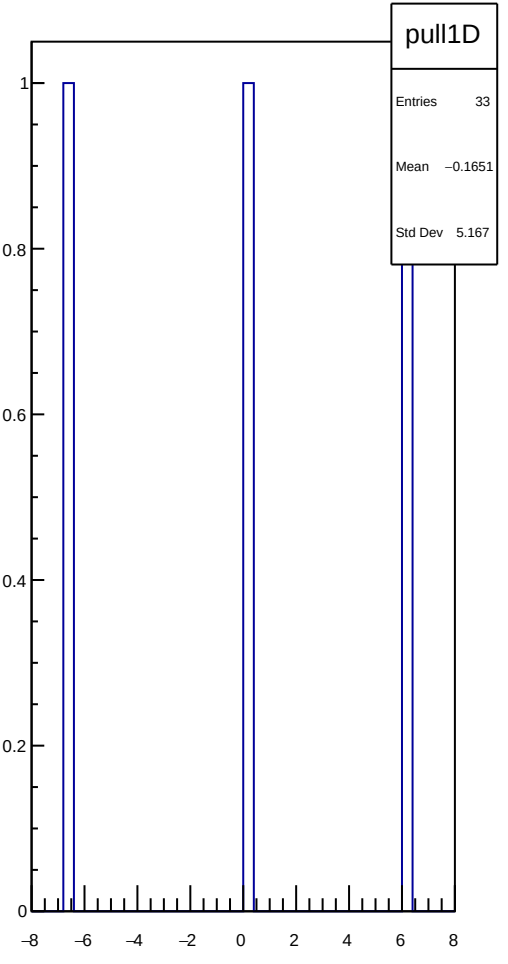

yield_bpm0i02Y_mean vs run
χ² / ndf 6.734e+05 / 32
p0 −3.254 ± 2.127e−05
−3.21
−3.22
−3.23
−3.24
−3.25
−3.26
−3.27
−3.28
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.55
Std Dev 0
600
500
400
300
200
100
0
−100
−200
pull1D
Entries 33
Mean 0.4128
Std Dev 5.366
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

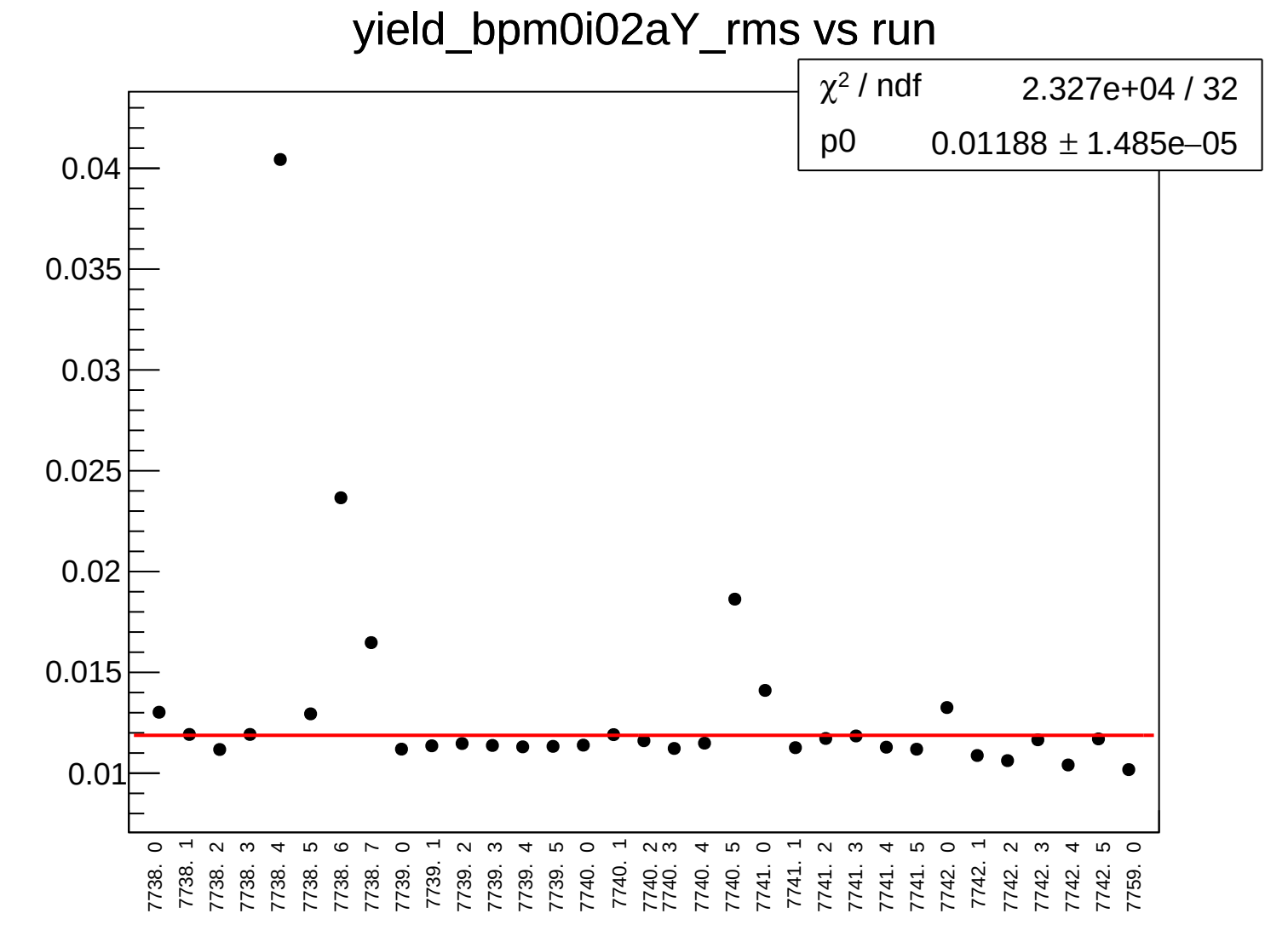

yield_bpm0i02Y_rms vs run
χ² / ndf 1.673e+04 / 32
p0 0.01209 ± 1.504e–05
0.035
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

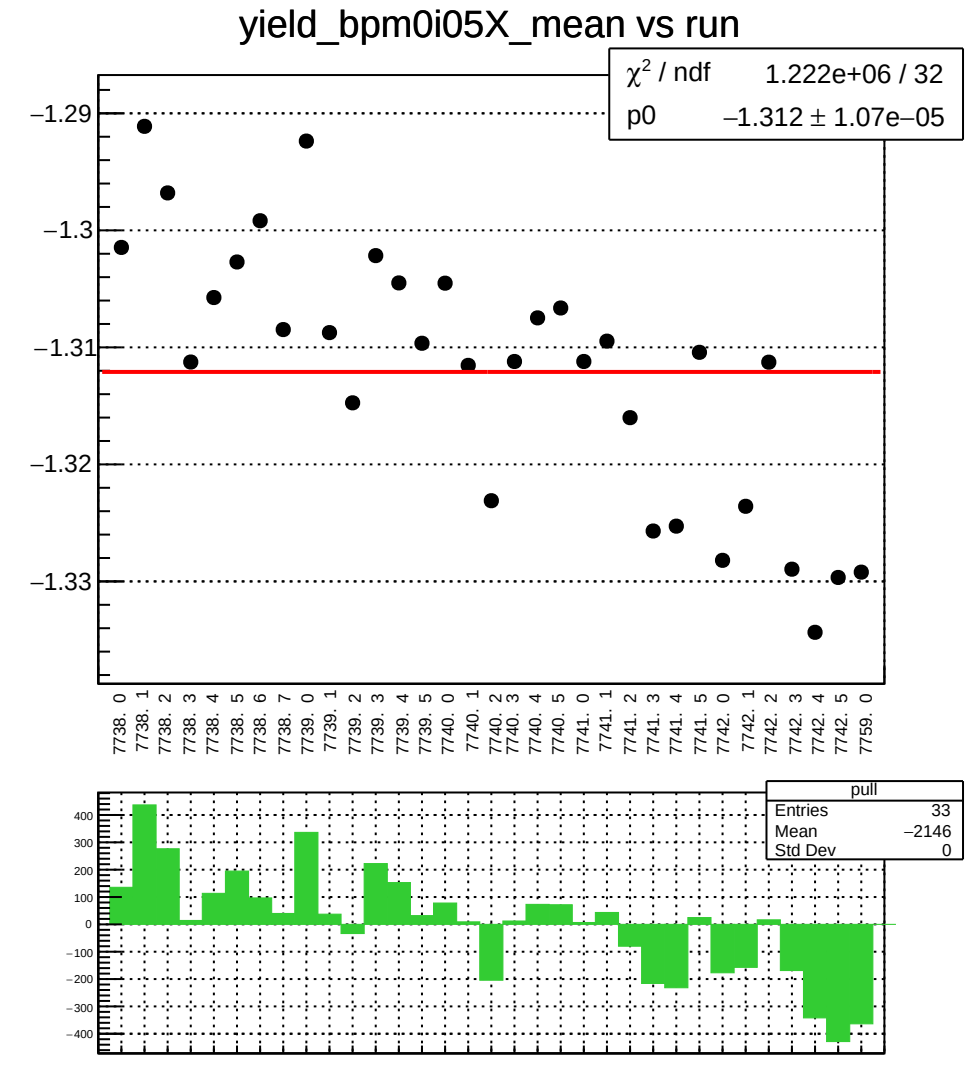

yield_bpm0i02aX_mean vs run
χ² / ndf 1.321e+06 / 32
p0 0.4116 ± 1.877e−05
0.45
0.44
0.43
0.42
0.41
0.4
0.39
0.38
0.37
0.36
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 74.73
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
−600
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

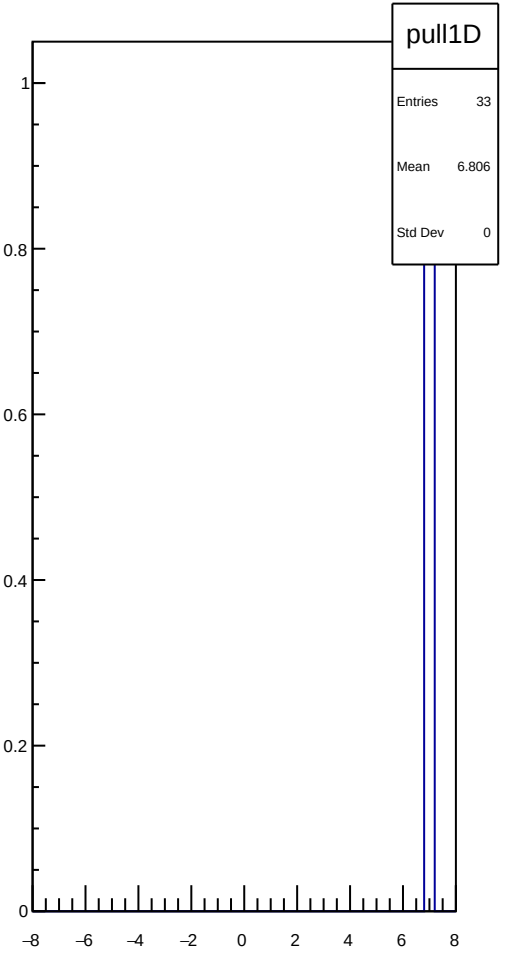

yield_bpm0i02aX_rms vs run
χ² / ndf 2.125e+04 / 32
p0 0.01063 ± 1.327e–05
0.035
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

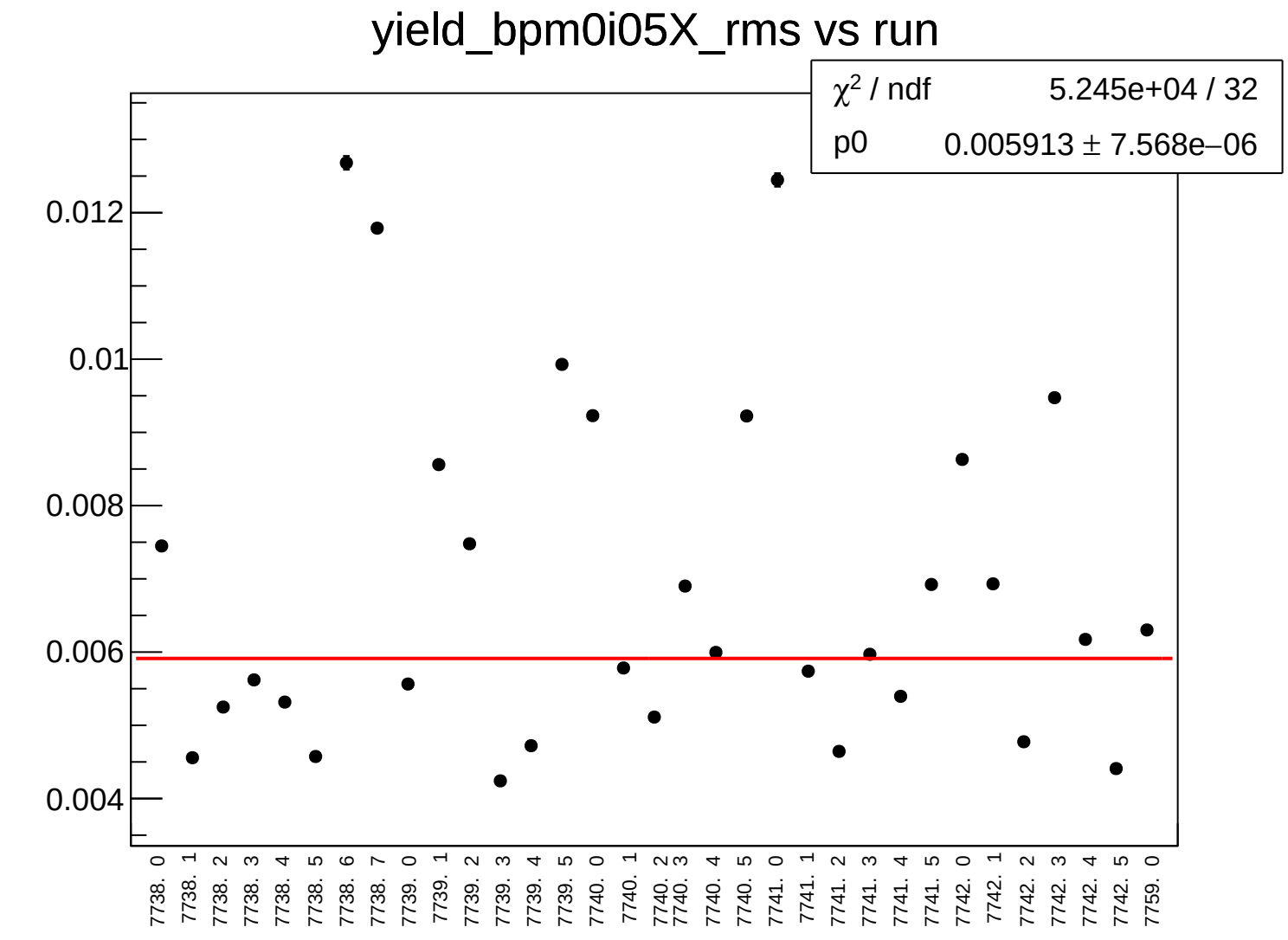

yield_bpm0i02aY_mean vs run
χ² / ndf 8.493e+05 / 32
p0 −0.3492 ± 2.101e−05
−0.3
−0.31
−0.32
−0.33
−0.34
−0.35
−0.36
−0.37
−0.38
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.353
Std Dev 0
700
600
500
400
300
200
100
0
−100
−200

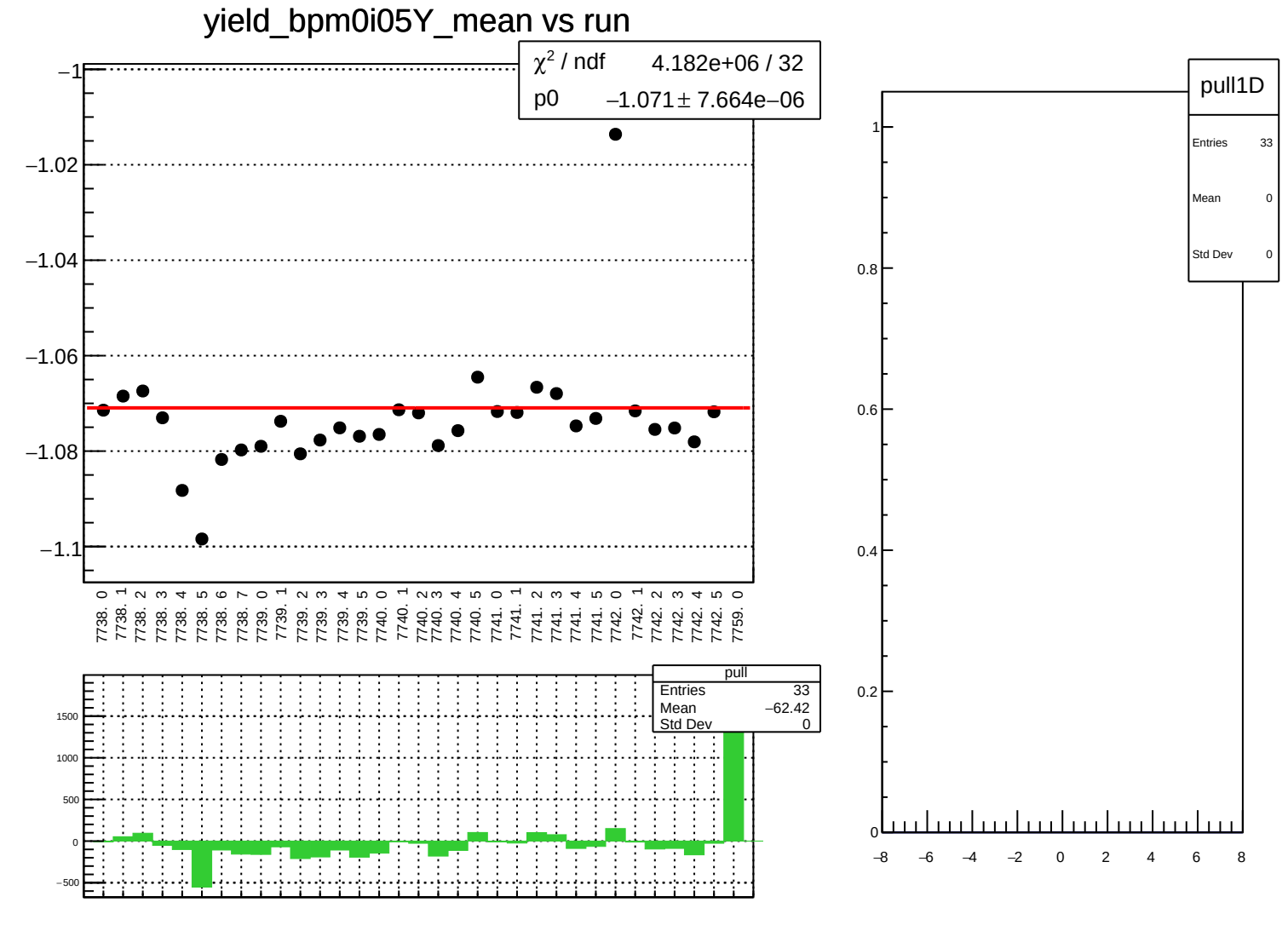

pull1D
Entries 33
Mean −0.1651
Std Dev 5.167
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

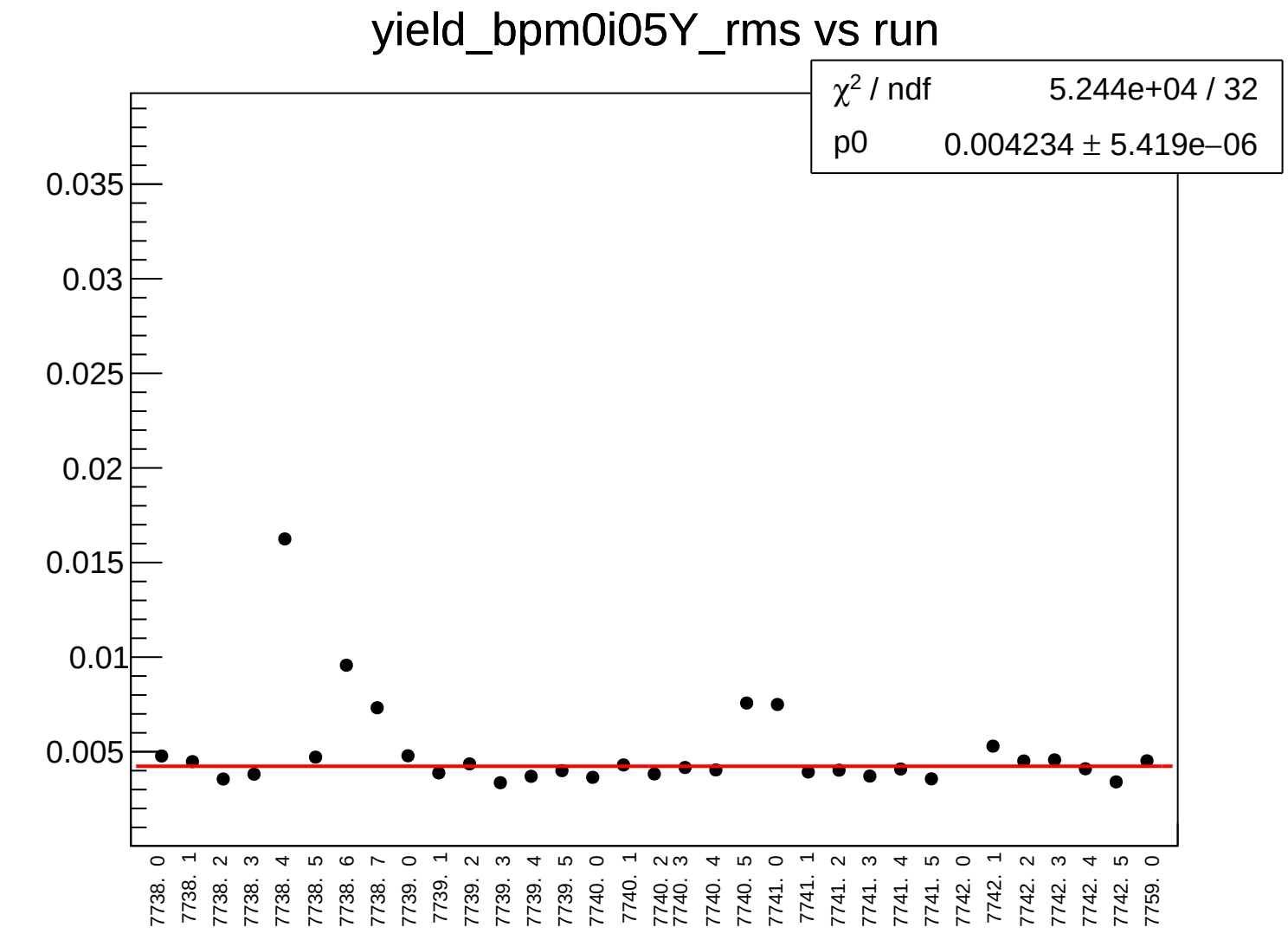

yield_bpm0i02aY_rms vs run
χ² / ndf 2.327e+04 / 32
p0 0.01188 ± 1.485e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

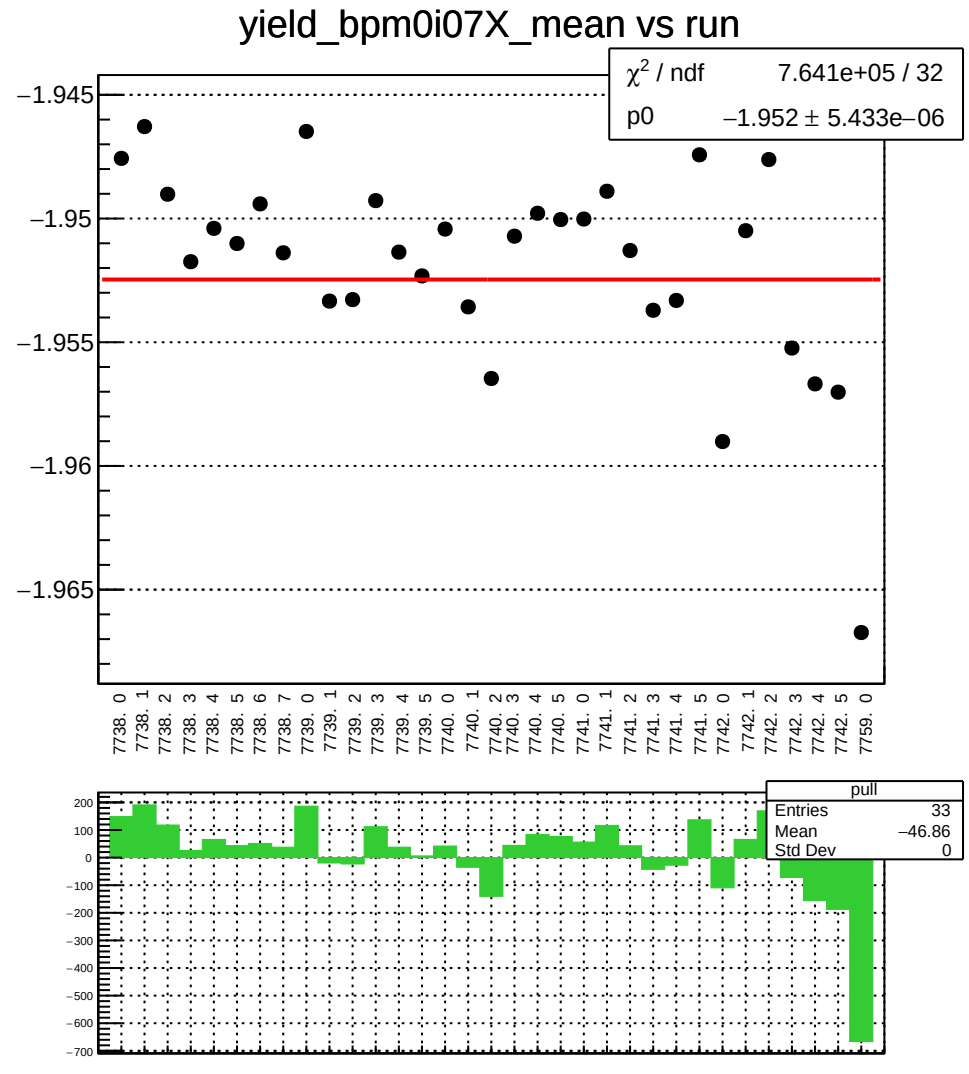

yield_bpm0i05X_mean vs run
χ² / ndf 1.222e+06 / 32
p0 −1.312 ± 1.07e−05
−1.29
−1.3
−1.31
−1.32
−1.33
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2146
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

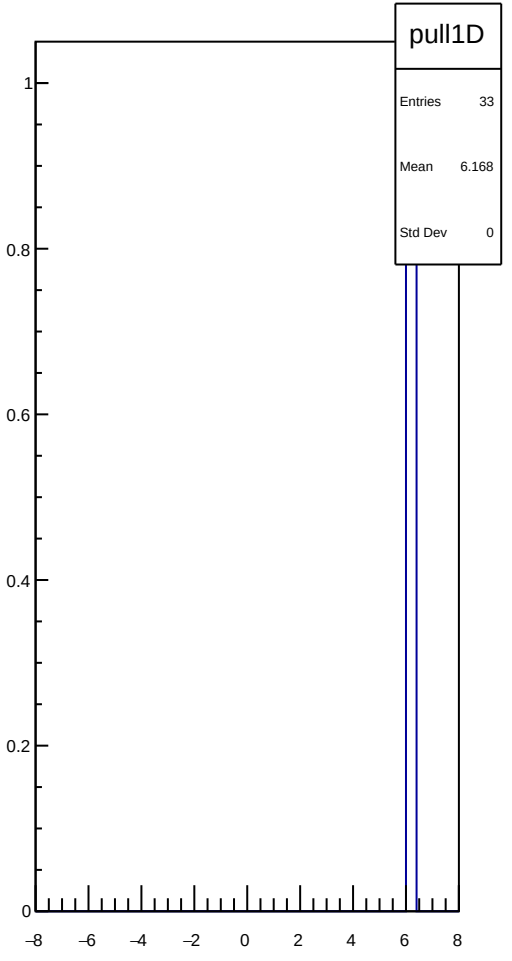

pull1D
Entries 33
Mean 6.806
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

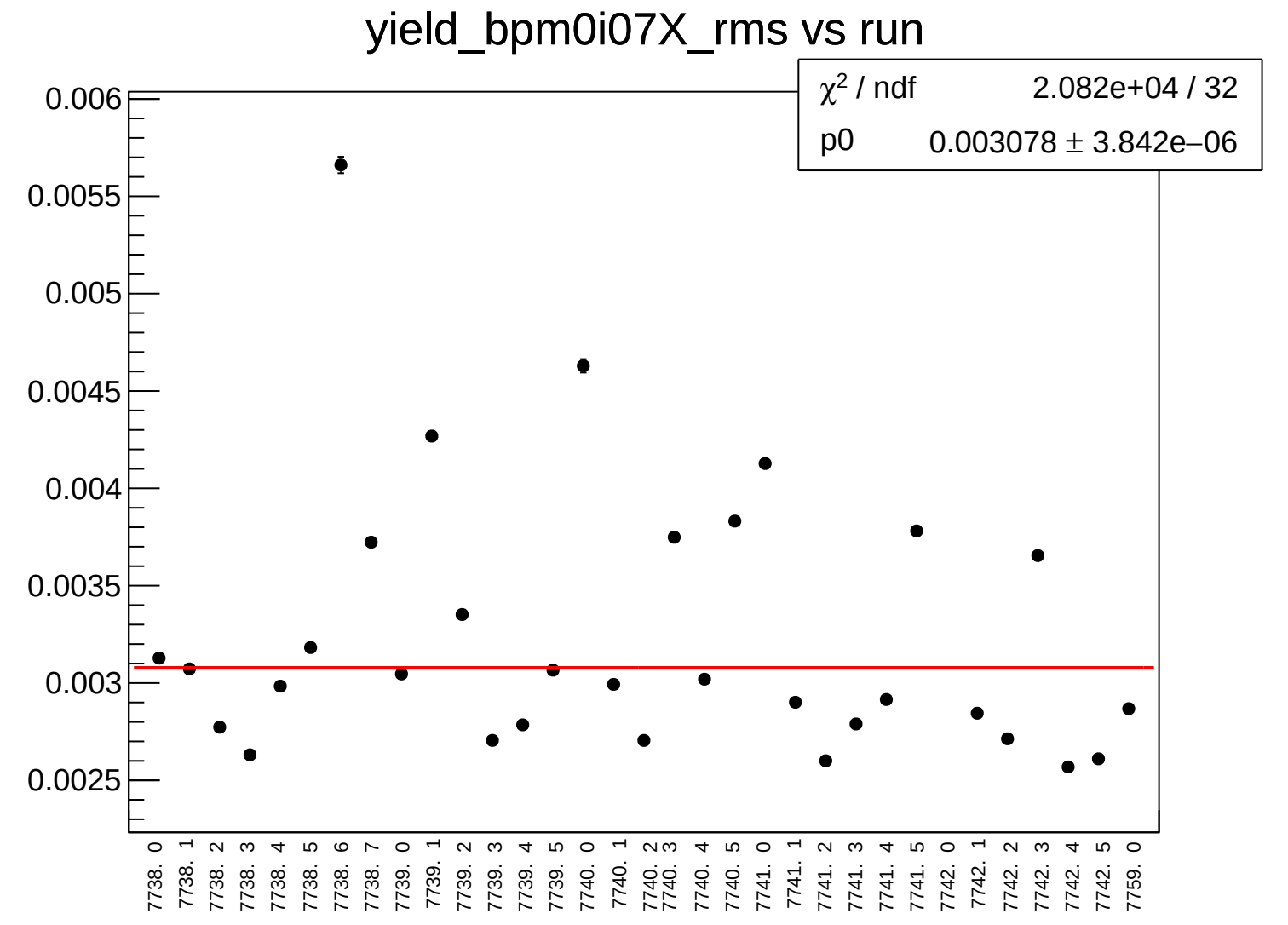

yield_bpm0i05X_rms vs run
χ² / ndf 5.245e+04 / 32
p0 0.005913 ± 7.568e−06
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

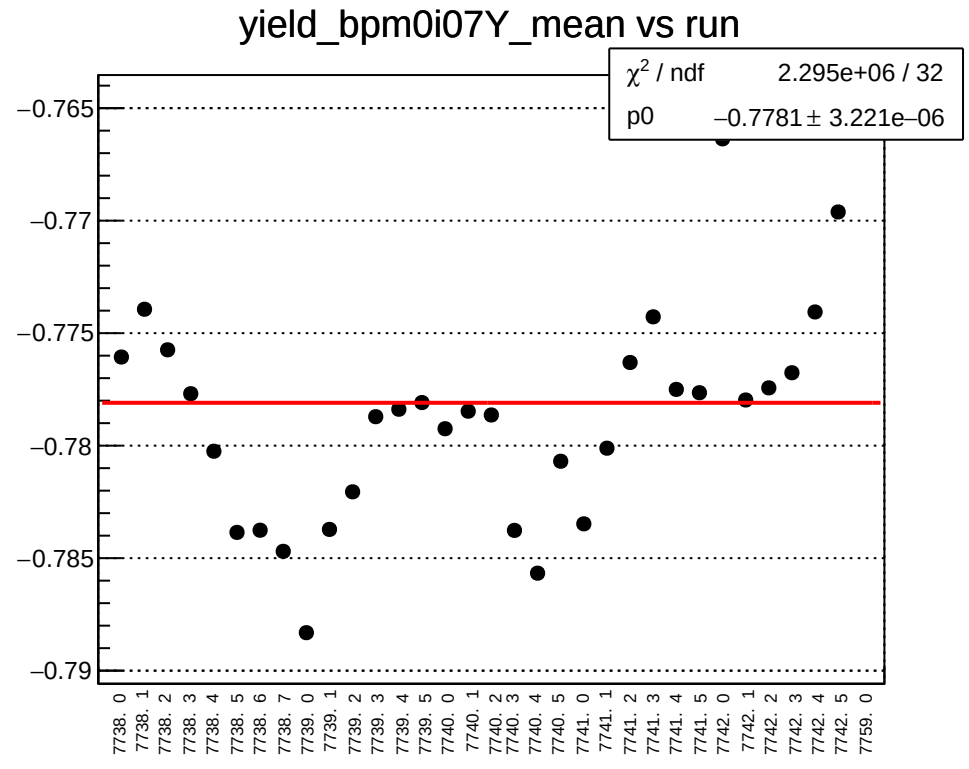

yield_bpm0i05Y_mean vs run
χ² / ndf 4.182e+06 / 32
p0 −1.071 ± 7.664e−06
−1
−1.02
−1.04
−1.06
−1.08
−1.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −62.42
Std Dev 0
1500
1000
500
0
−500
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

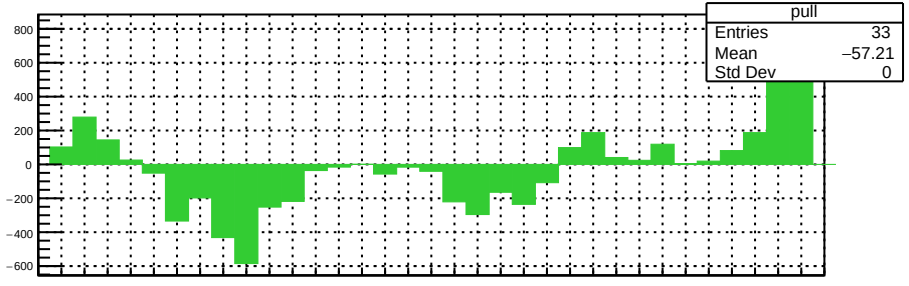

yield_bpm0i05Y_rms vs run
χ² / ndf 5.244e+04 / 32
p0 0.004234 ± 5.419e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

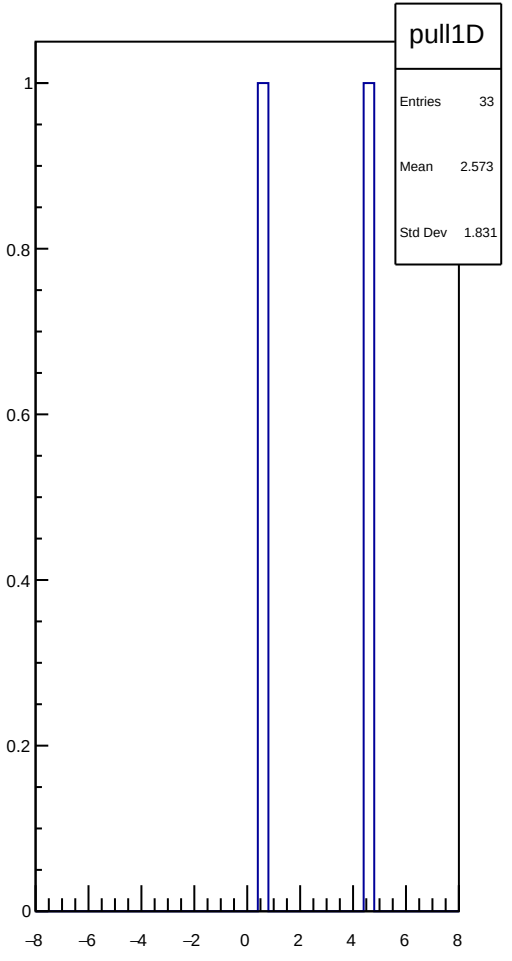

yield_bpm0i07X_mean vs run
χ² / ndf 7.641e+05 / 32
p0 −1.952 ± 5.433e−06
−1.945
−1.95
−1.955
−1.96
−1.965
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.86
Std Dev 0
200
100
0
−100
−200
−300
−400
−500
−600
−700

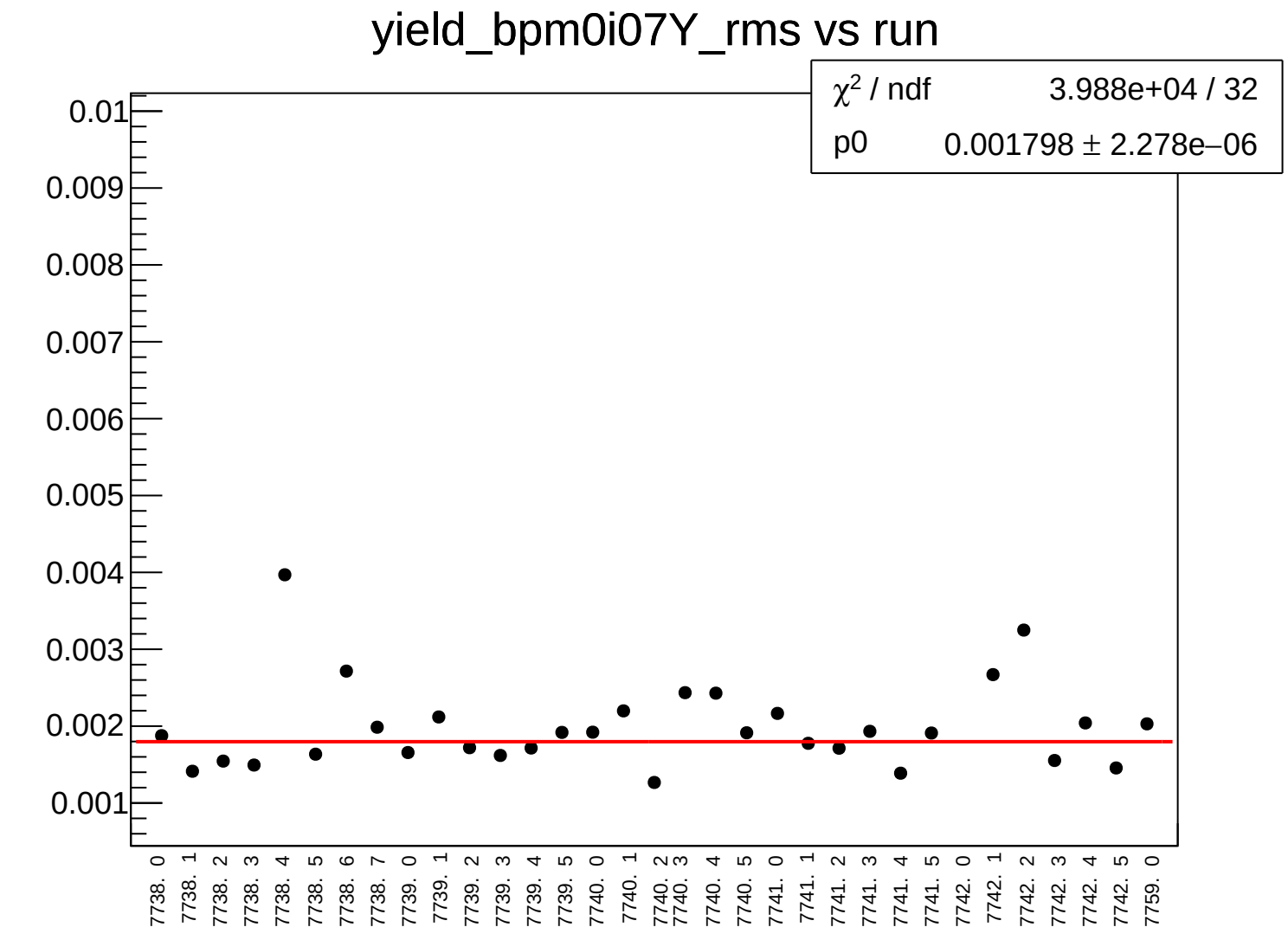

pull1D
Entries 33
Mean 6.168
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

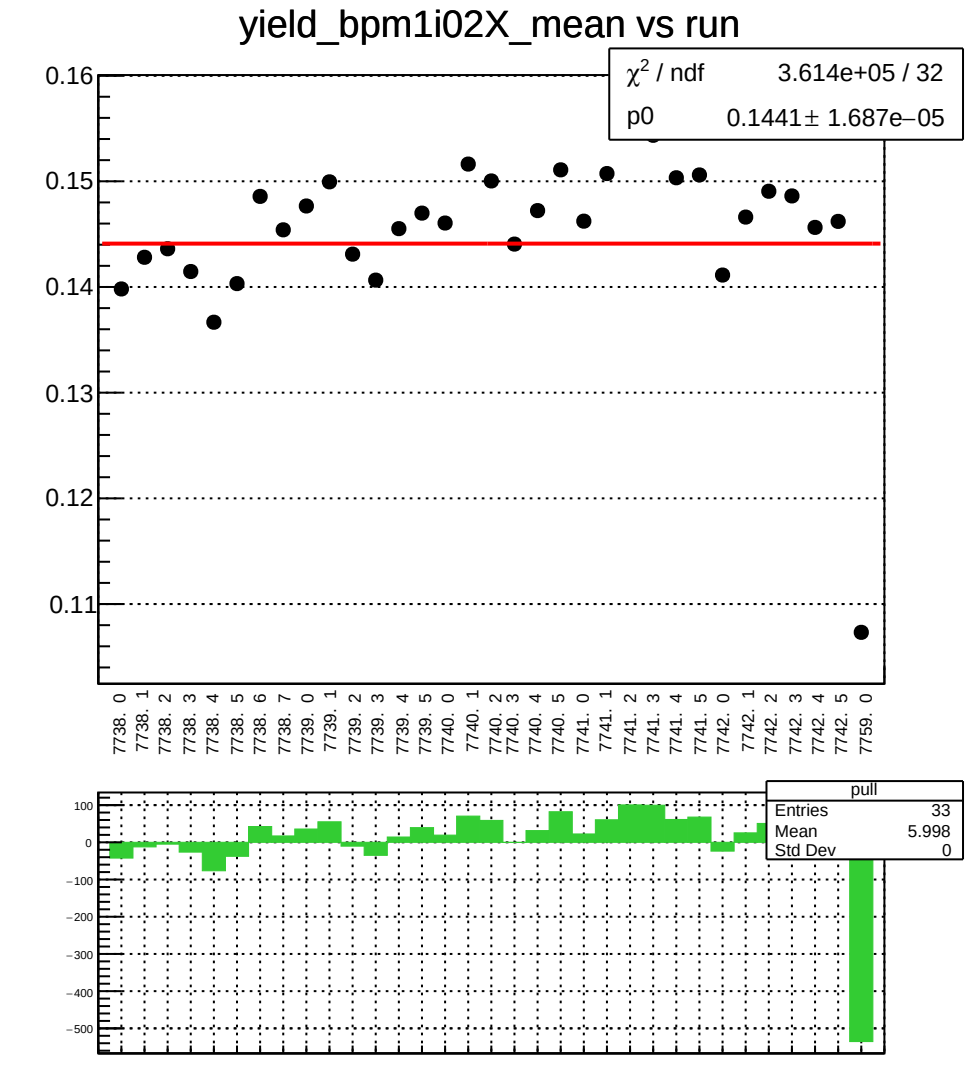

yield_bpm0i07X_rms vs run
χ² / ndf 2.082e+04 / 32
p0 0.003078 ± 3.842e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

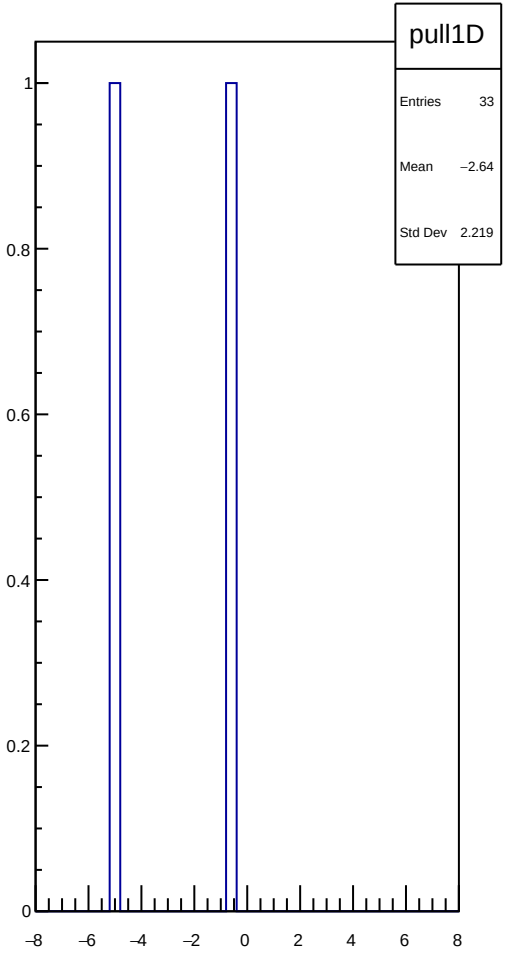

yield_bpm0i07Y_mean vs run
χ² / ndf 2.295e+06 / 32
p0 −0.7781 ± 3.221e−06
−0.765
−0.77
−0.775
−0.78
−0.785
−0.79
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

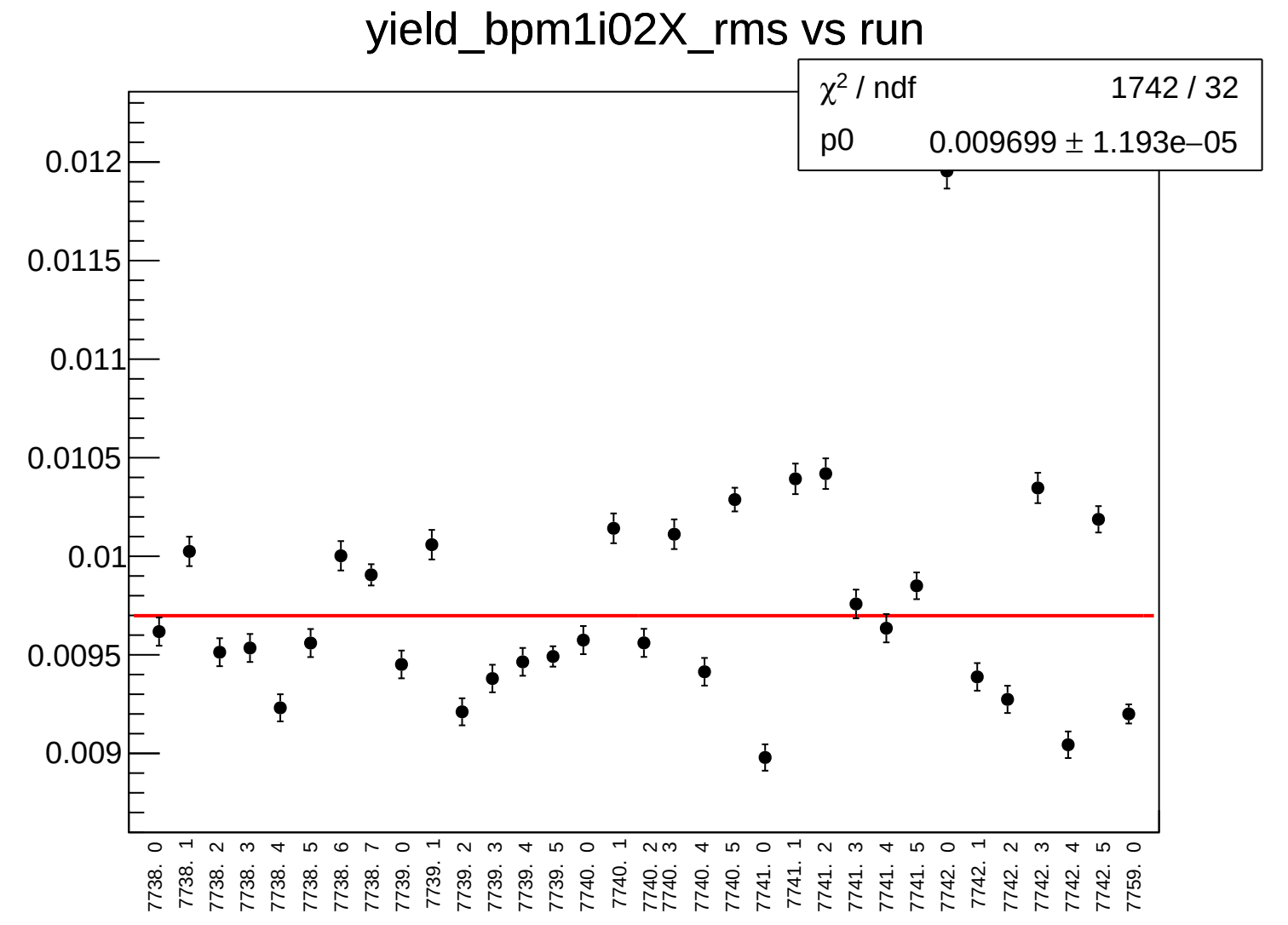

pull
Entries 33
Mean −57.21
Std Dev 0
800
600
400
200
0
−200
−400
−600

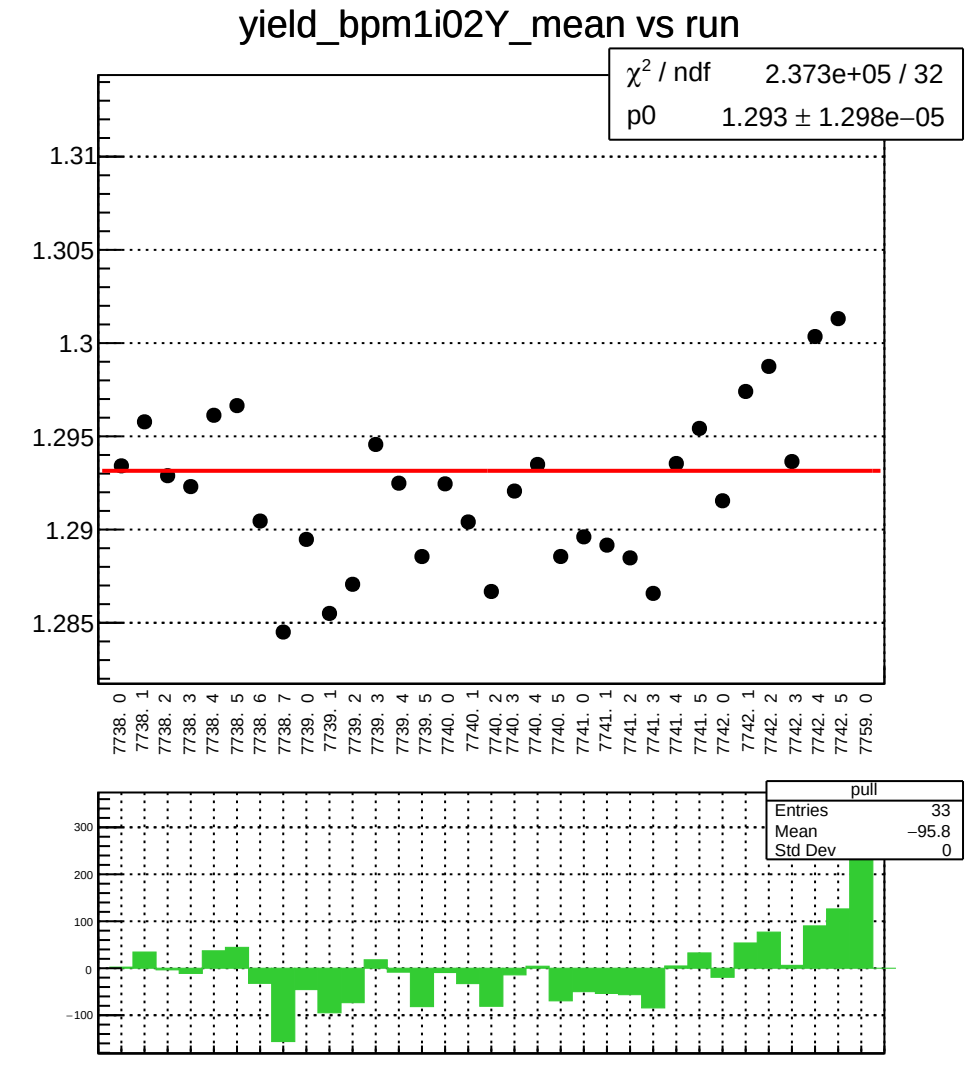

pull1D
Entries 33
Mean 2.573
Std Dev 1.831
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

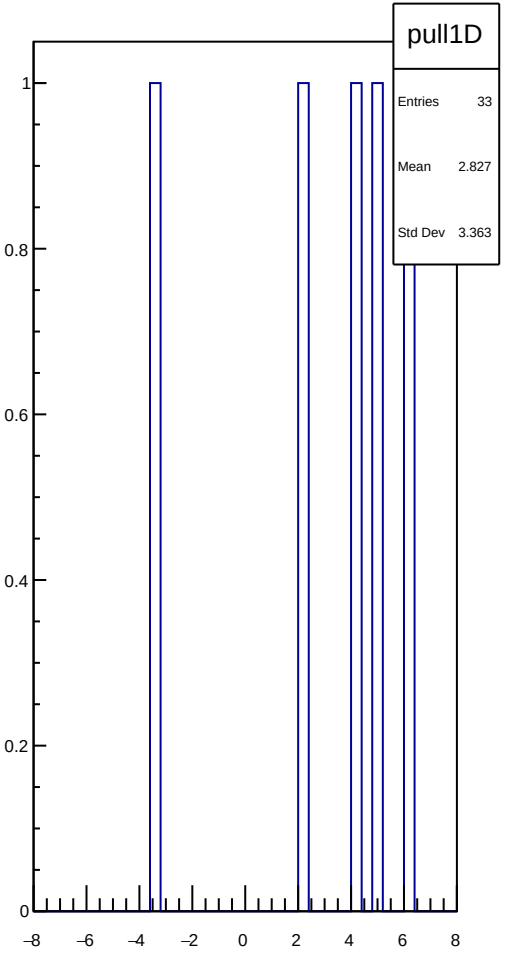

yield_bpm0i07Y_rms vs run
χ² / ndf 3.988e+04 / 32
p0 0.001798 ± 2.278e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

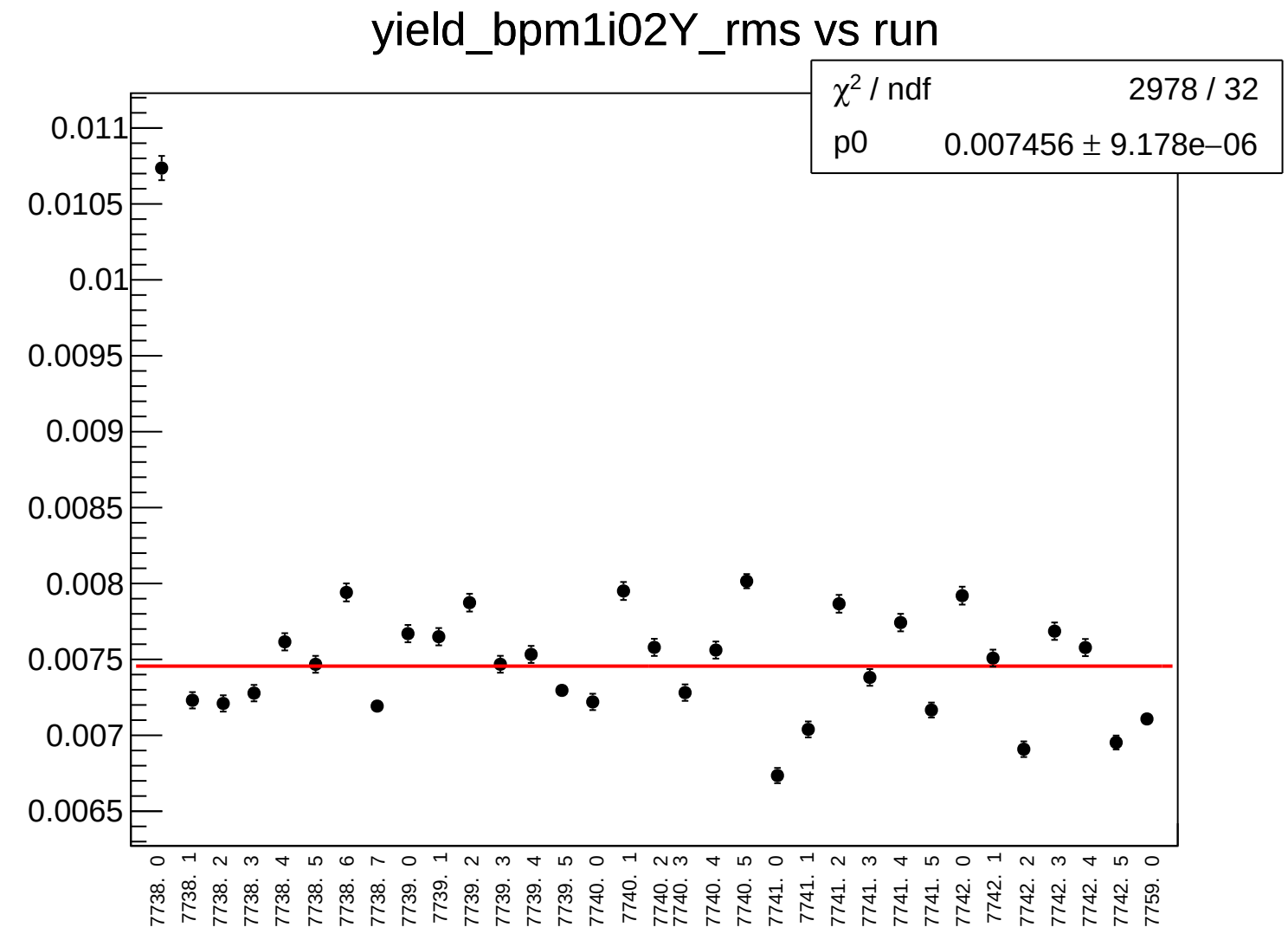

yield_bpm1i02X_mean vs run
χ² / ndf 3.614e+05 / 32
p0 0.1441 ± 1.687e−05
0.16
0.15
0.14
0.13
0.12
0.11
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.998
Std Dev 0
100
0
−100
−200
−300
−400
−500

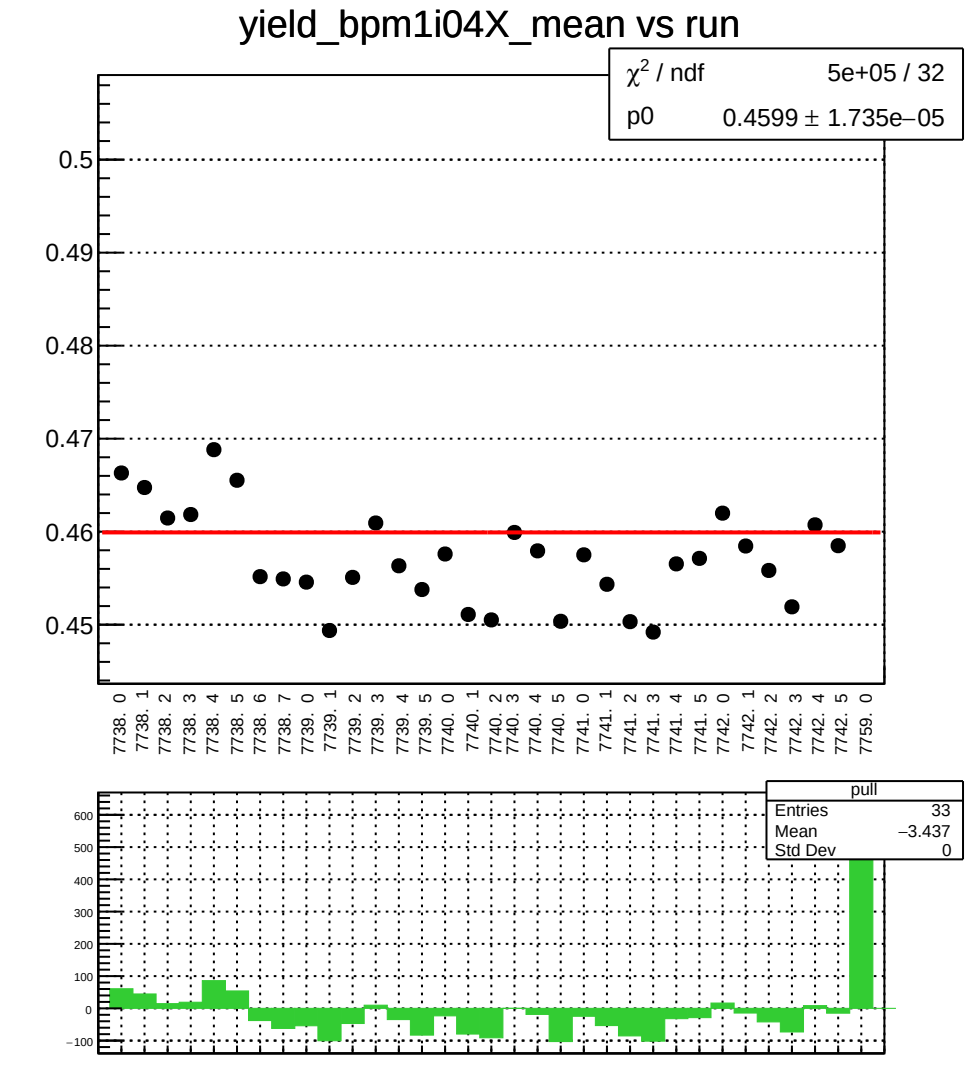

pull1D
Entries 33
Mean −2.64
Std Dev 2.219
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

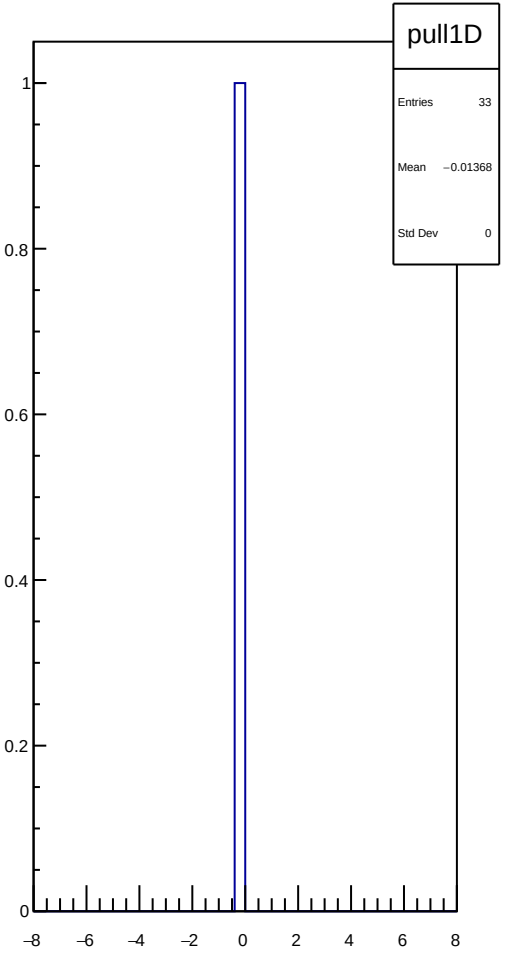

yield_bpm1i02X_rms vs run
χ² / ndf 1742 / 32
p0 0.009699 ± 1.193e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

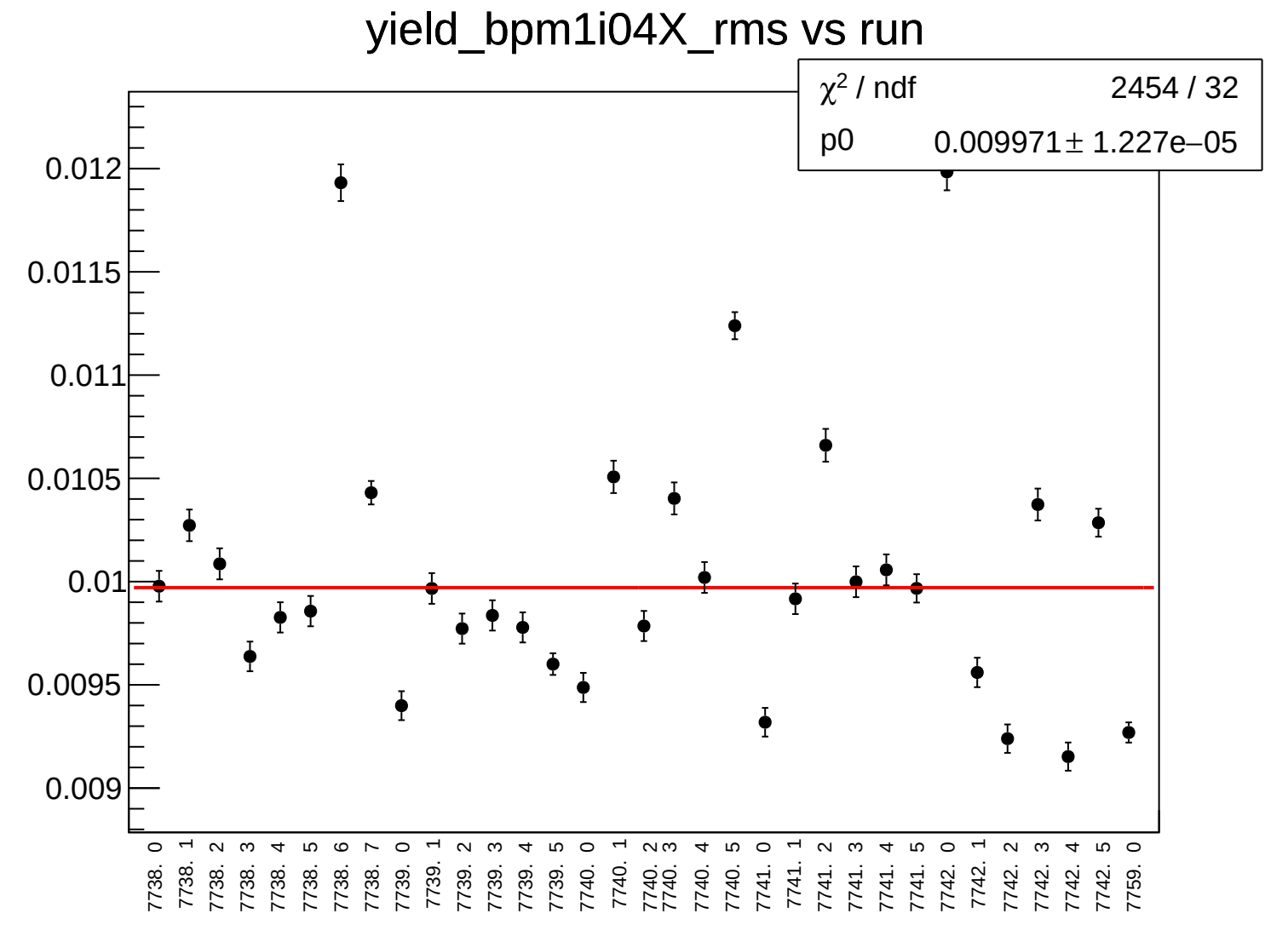

yield_bpm1i02Y_mean vs run
χ² / ndf 2.373e+05 / 32
p0 1.293 ± 1.298e−05
1.31
1.305
1.3
1.295
1.29
1.285
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −95.8
Std Dev 0
300
200
100
0
−100

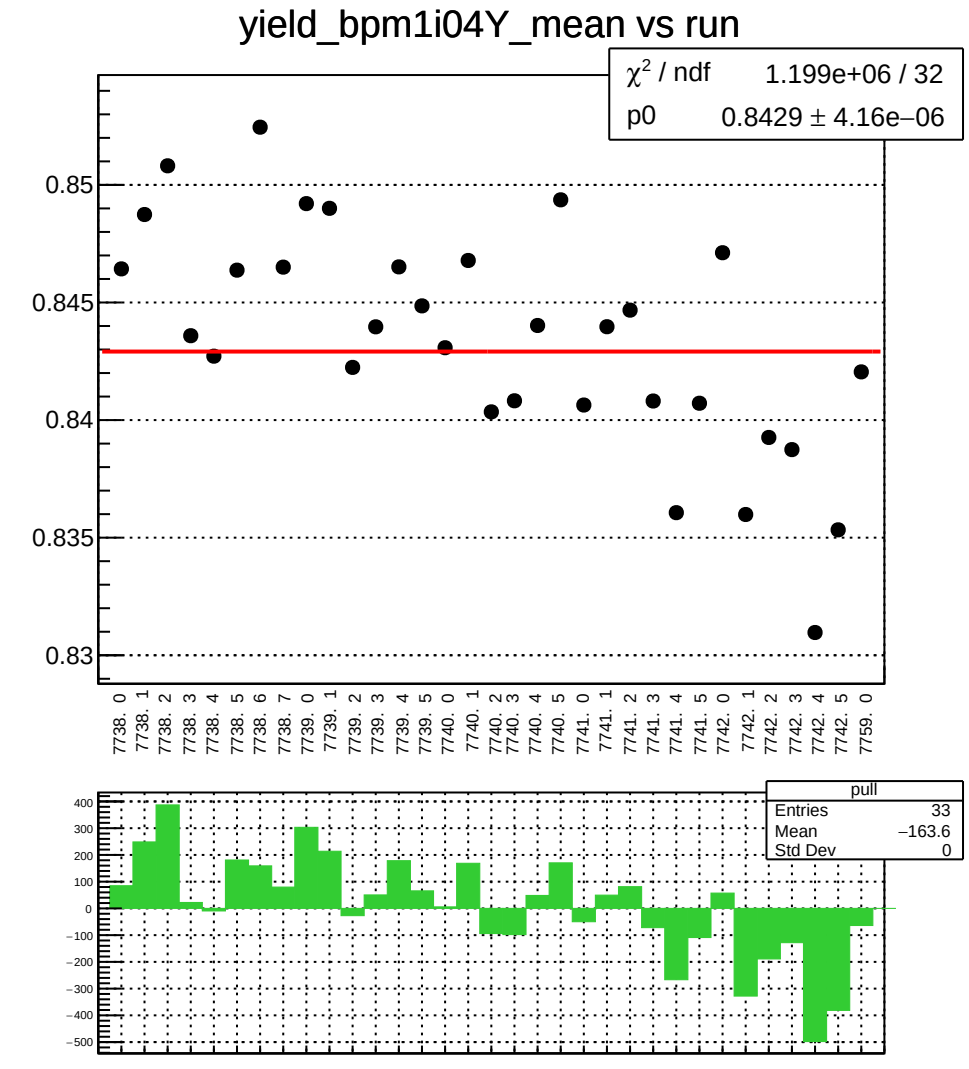

pull1D
Entries 33
Mean 2.827
Std Dev 3.363
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

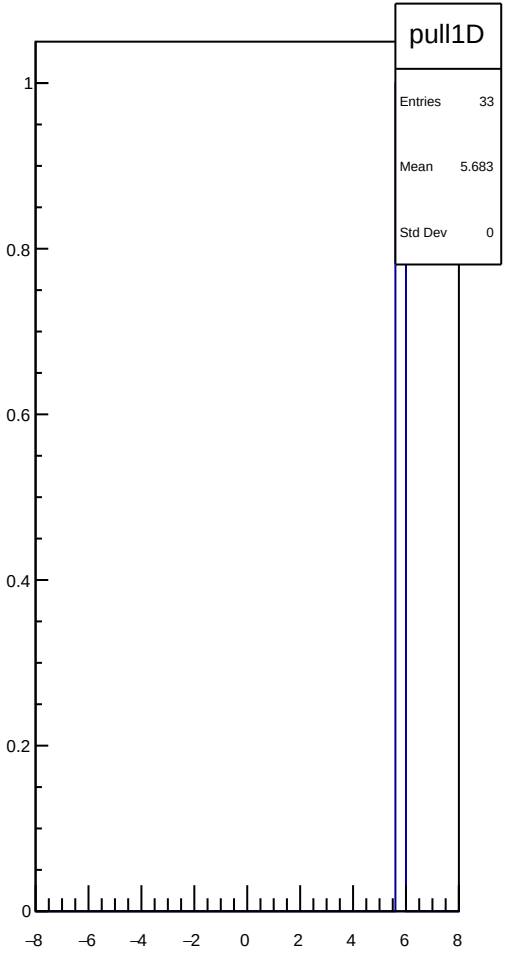

yield_bpm1i02Y_rms vs run
χ² / ndf 2978 / 32
p0 0.007456 ± 9.178e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

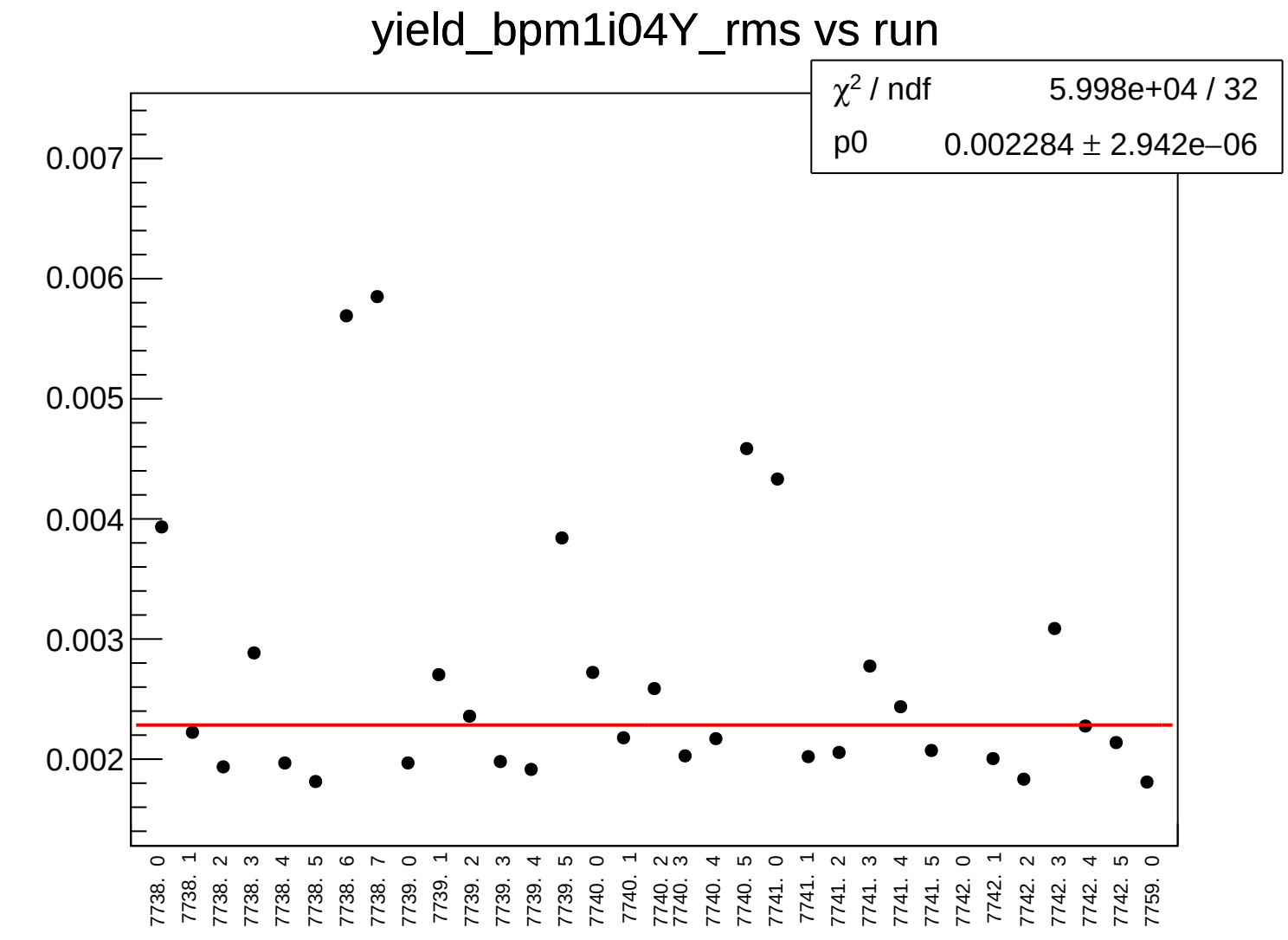

yield_bpm1i04X_mean vs run
χ² / ndf 5e+05 / 32
p0 0.4599 ± 1.735e−05
0.5
0.49
0.48
0.47
0.46
0.45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.437
Std Dev 0
600
500
400
300
200
100
0
−100

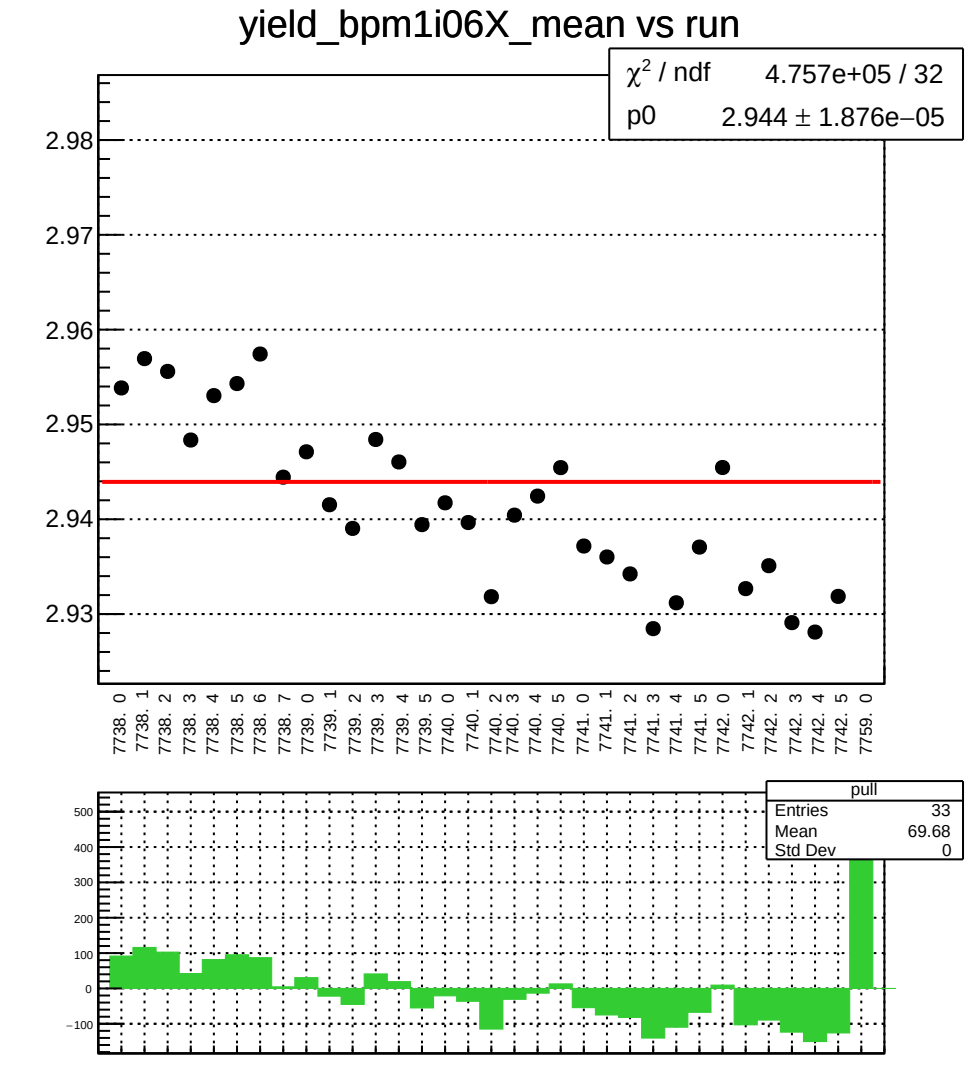

pull1D
Entries 33
Mean −0.01368
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

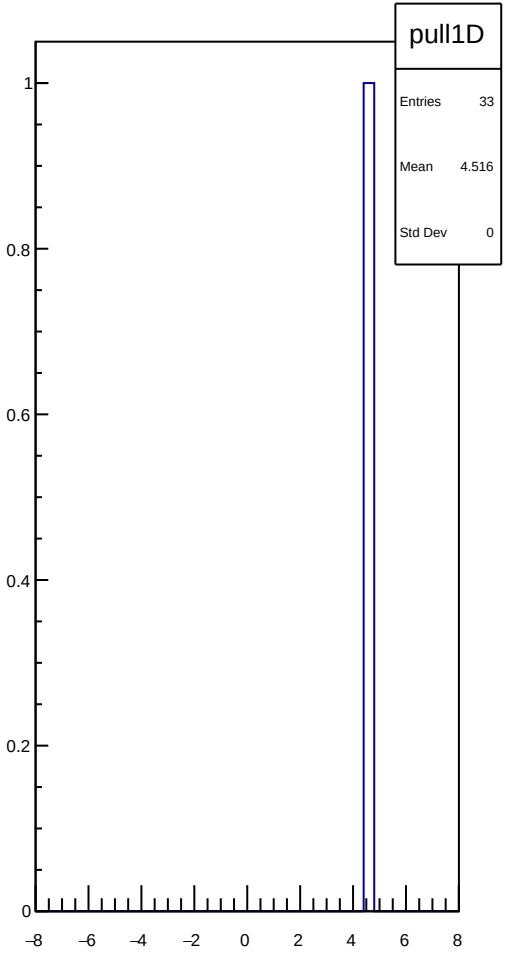

yield_bpm1i04X_rms vs run
χ² / ndf 2454 / 32
p0 0.009971 ± 1.227e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

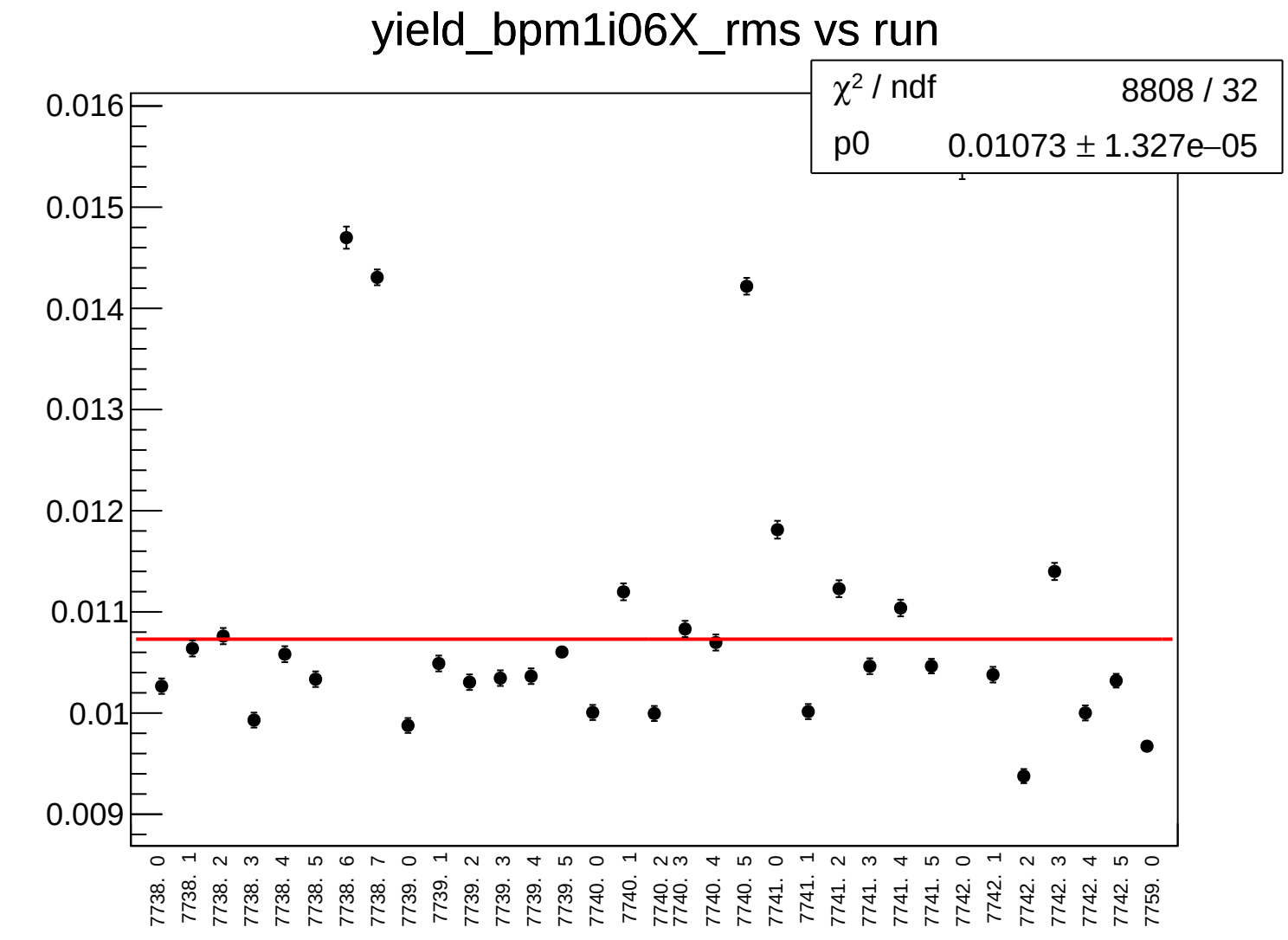

yield_bpm1i04Y_mean vs run
χ² / ndf 1.199e+06 / 32
p0 0.8429 ± 4.16e−06
0.85
0.845
0.84
0.835
0.83
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −163.6
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
−500

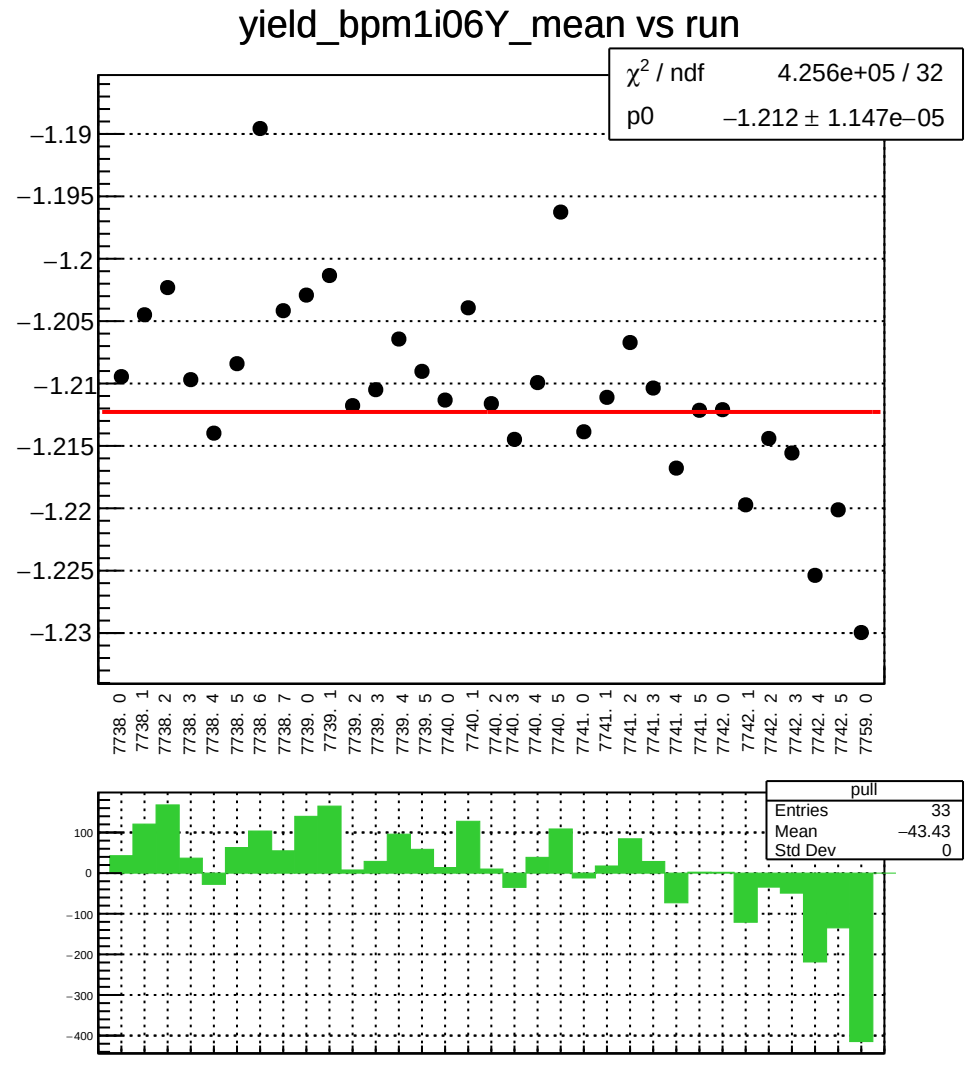

pull1D
Entries 33
Mean 5.683
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

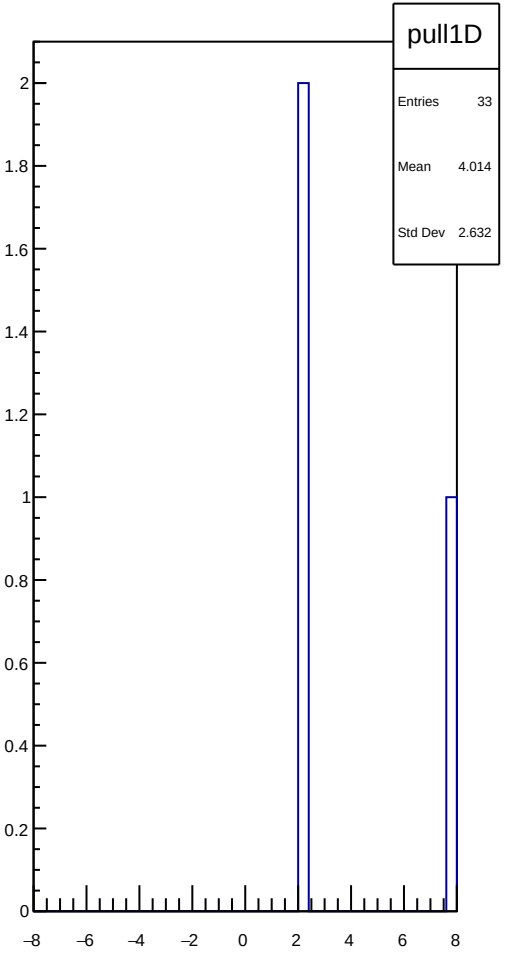

yield_bpm1i04Y_rms vs run
χ² / ndf 5.998e+04 / 32
p0 0.002284 ± 2.942e−06
0.007
0.006
0.005
0.004
0.003
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

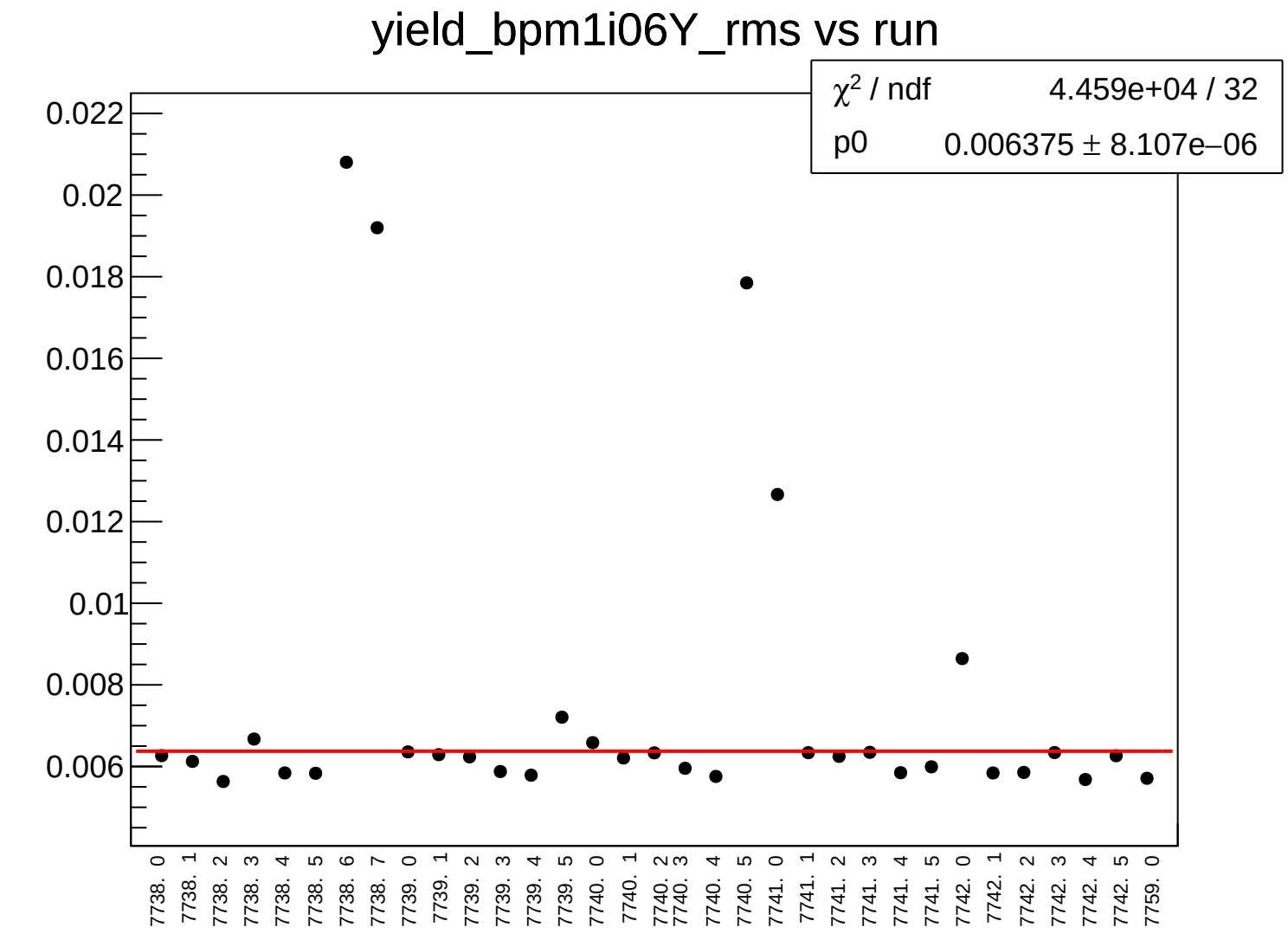

yield_bpm1i06X_mean vs run
χ² / ndf 4.757e+05 / 32
p0 2.944 ± 1.876e−05
2.98
2.97
2.96
2.95
2.94
2.93
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 69.68
Std Dev 0
500
400
300
200
100
0
−100

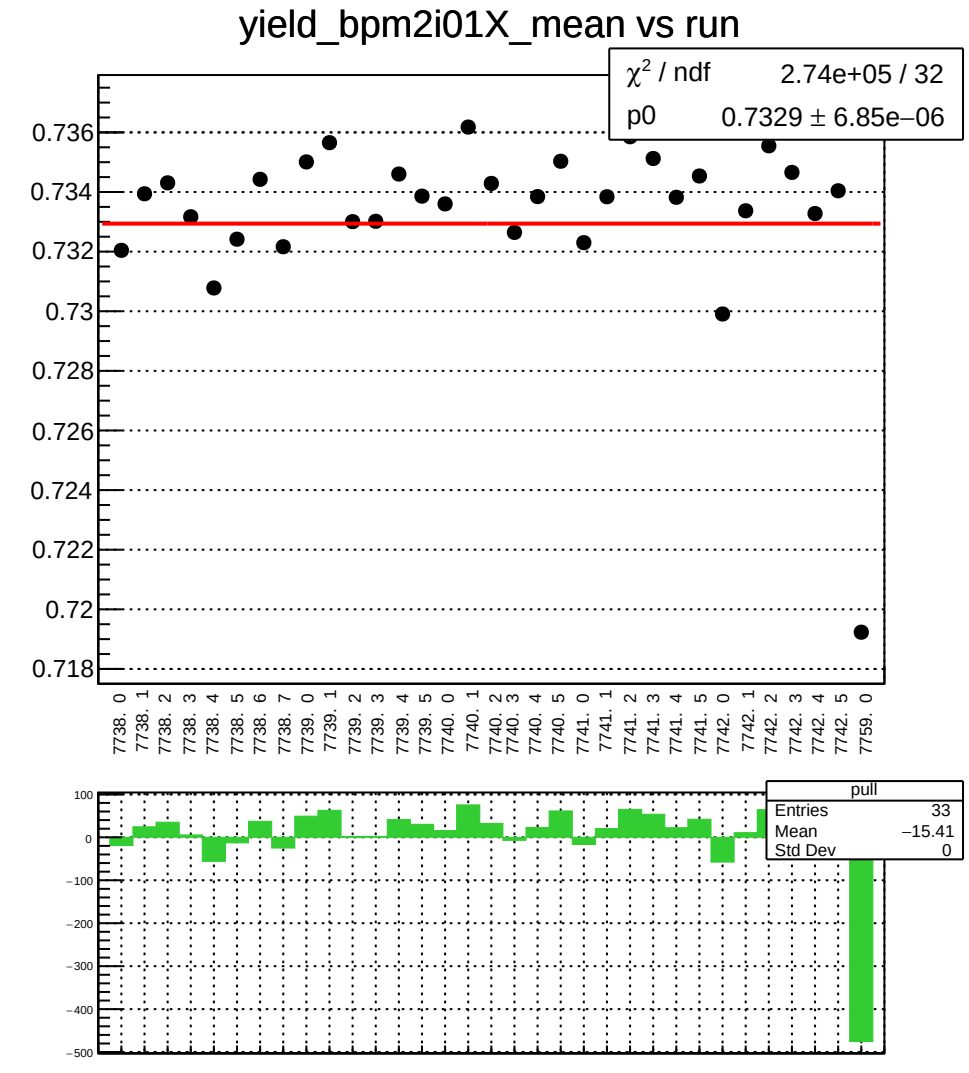

pull1D
Entries 33
Mean 4.516
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

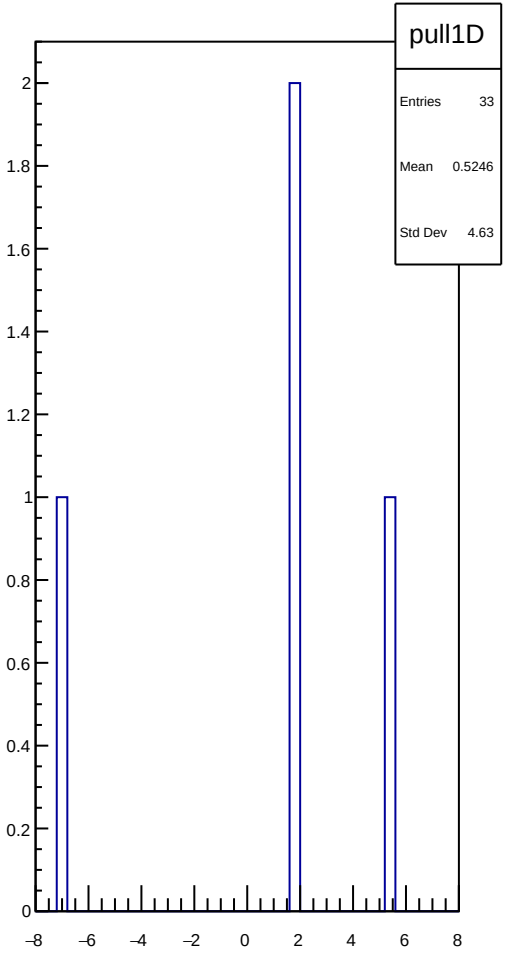

yield_bpm1i06X_rms vs run
χ² / ndf 8808 / 32
p0 0.01073 ± 1.327e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

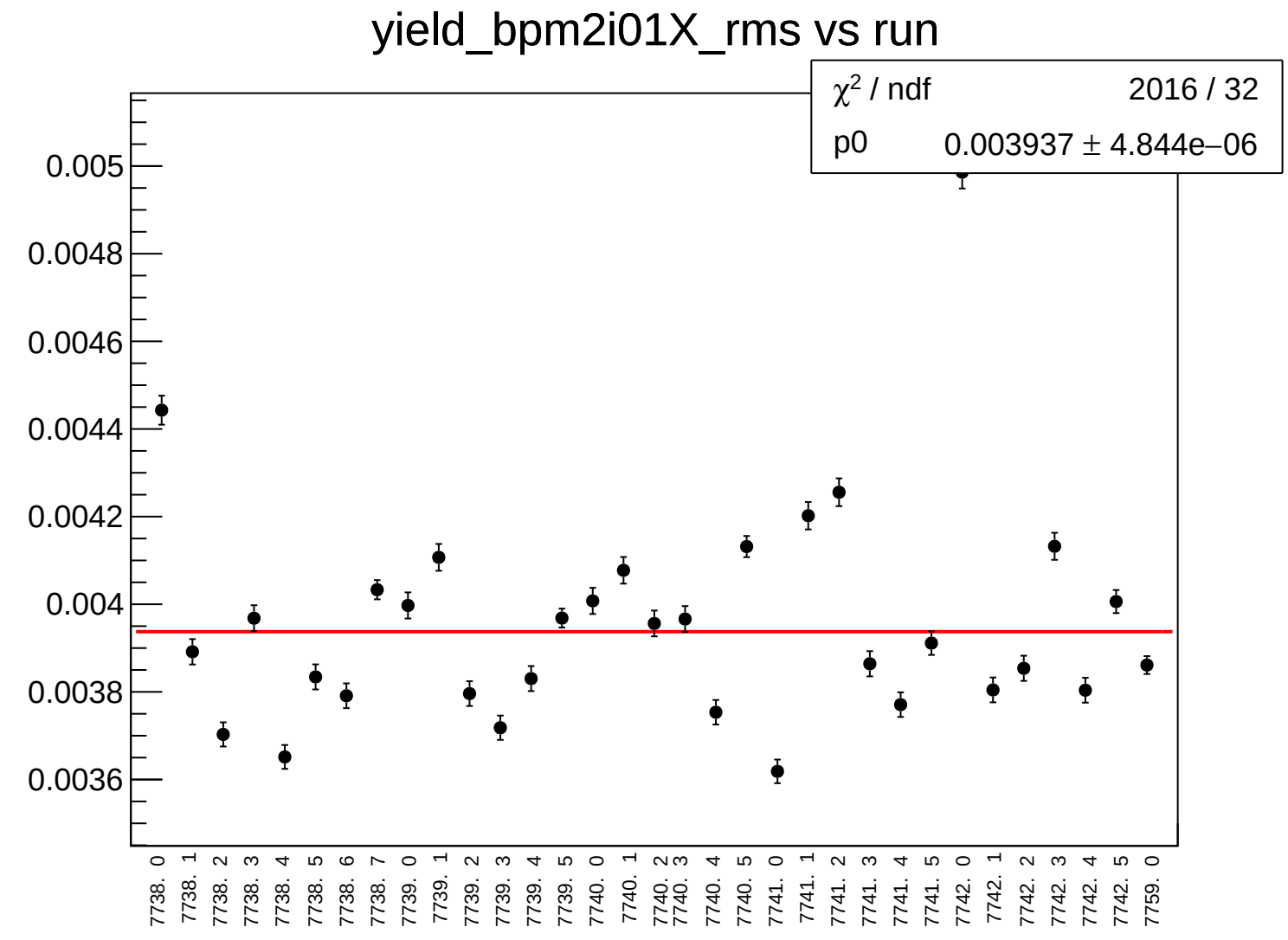

yield_bpm1i06Y_mean vs run
χ² / ndf 4.256e+05 / 32
p0 −1.212 ± 1.147e−05
−1.19
−1.195
−1.2
−1.205
−1.21
−1.215
−1.22
−1.225
−1.23
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −43.43
Std Dev 0
100
0
−100
−200
−300
−400

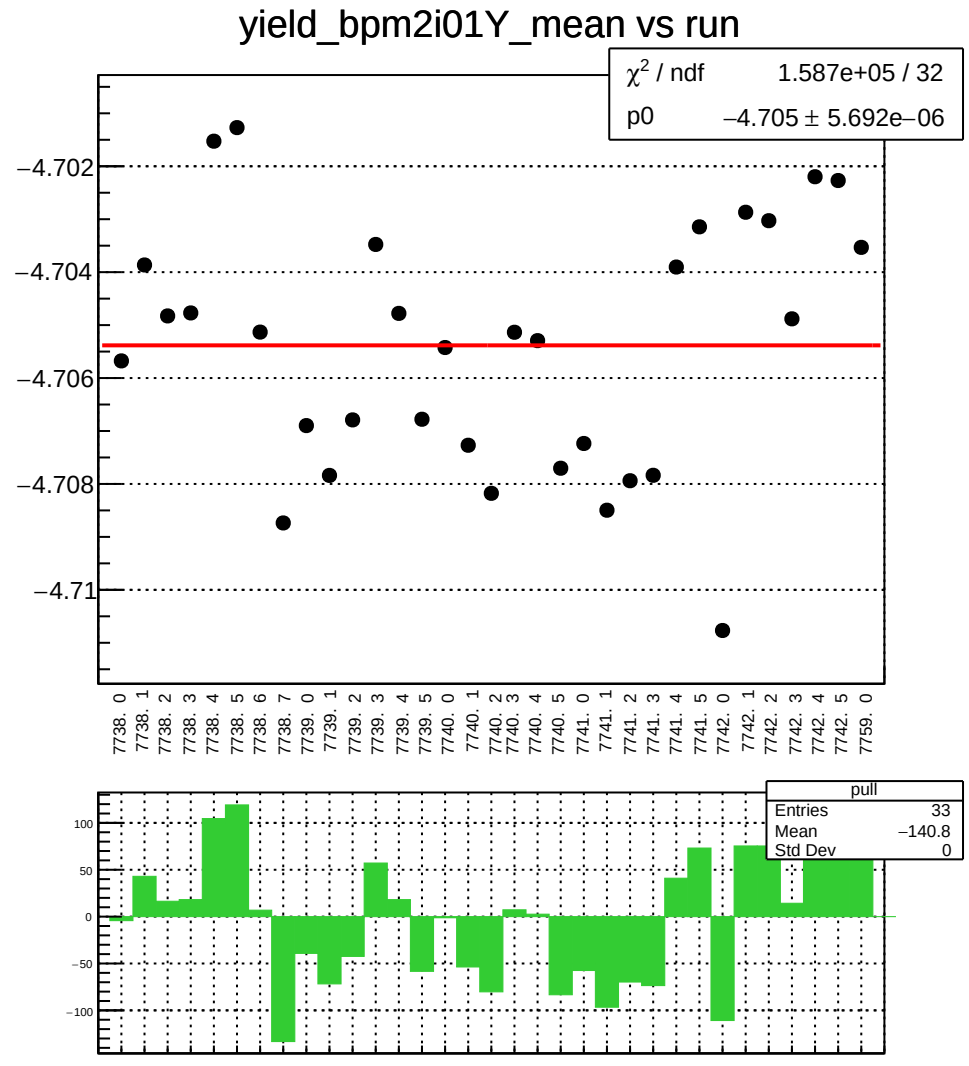

pull1D
Entries 33
Mean 4.014
Std Dev 2.632
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

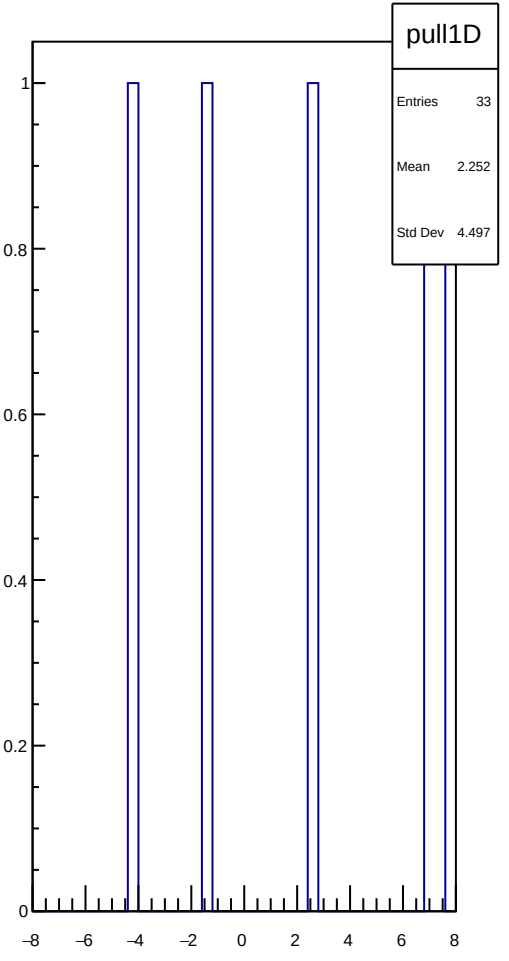

yield_bpm1i06Y_rms vs run
χ² / ndf 4.459e+04 / 32
p0 0.006375 ± 8.107e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

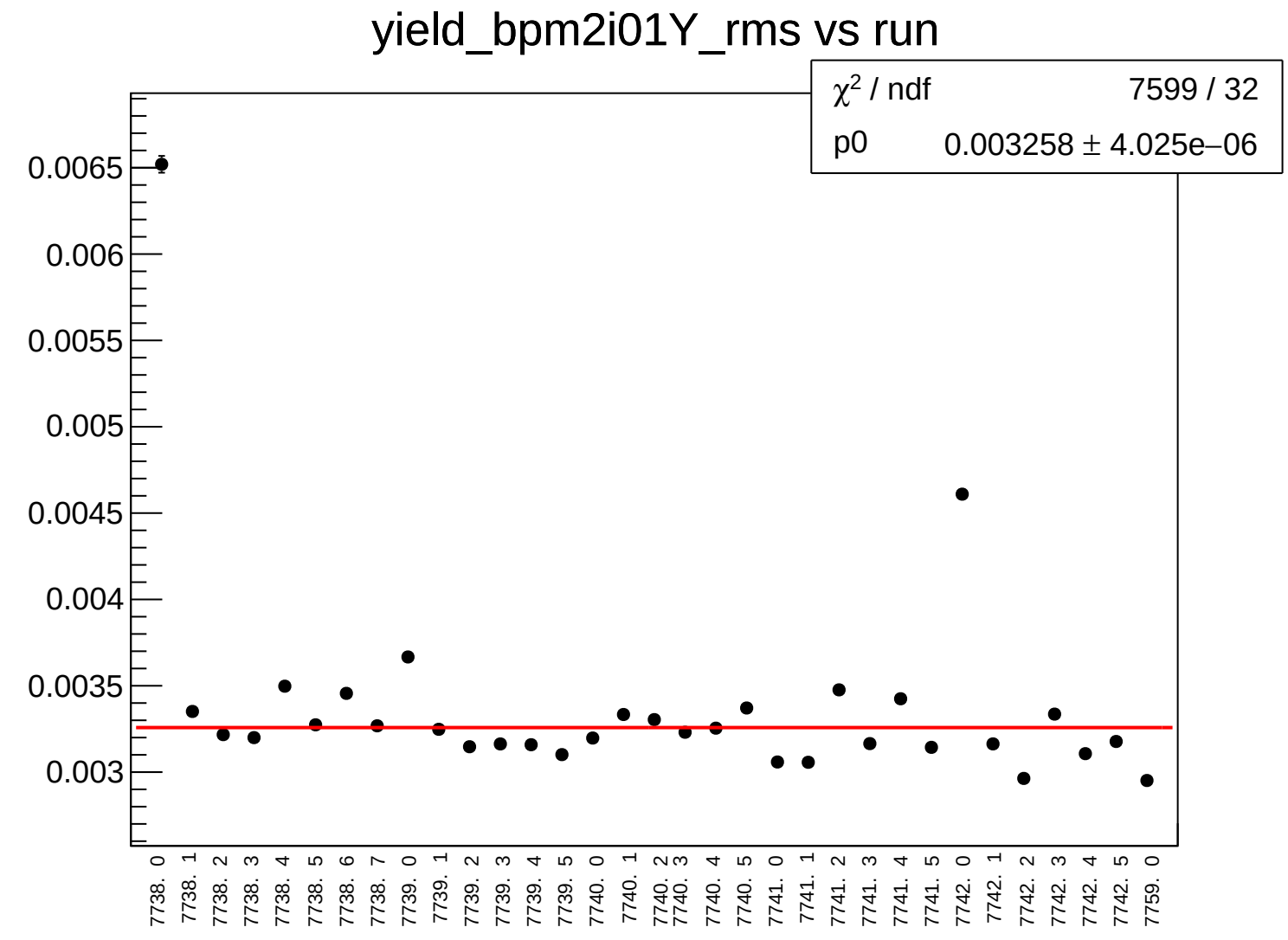

yield_bpm2i01X_mean vs run
χ² / ndf 2.74e+05 / 32
p0 0.7329 ± 6.85e−06
0.736
0.734
0.732
0.73
0.728
0.726
0.724
0.722
0.72
0.718
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.41
Std Dev 0
100
0
−100
−200
−300
−400
−500

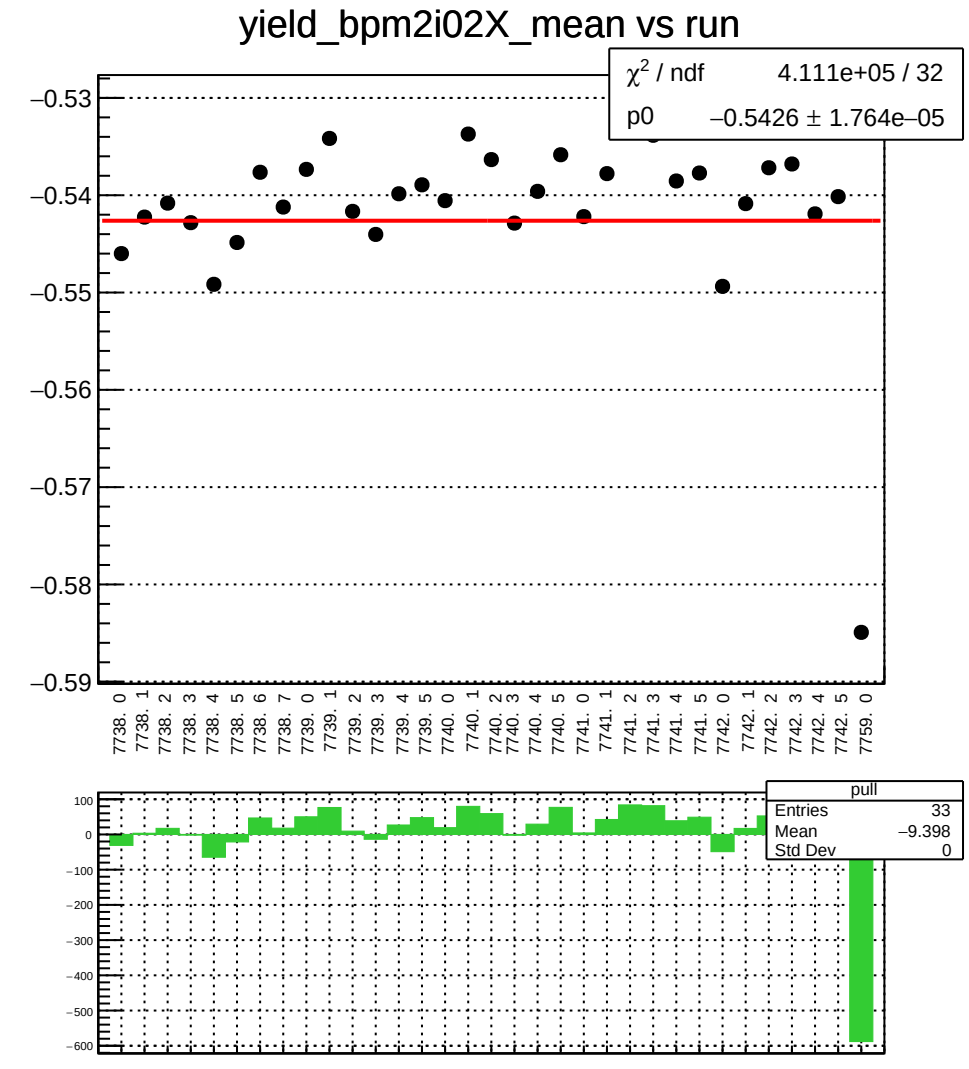

pull1D
Entries 33
Mean 0.5246
Std Dev 4.63
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

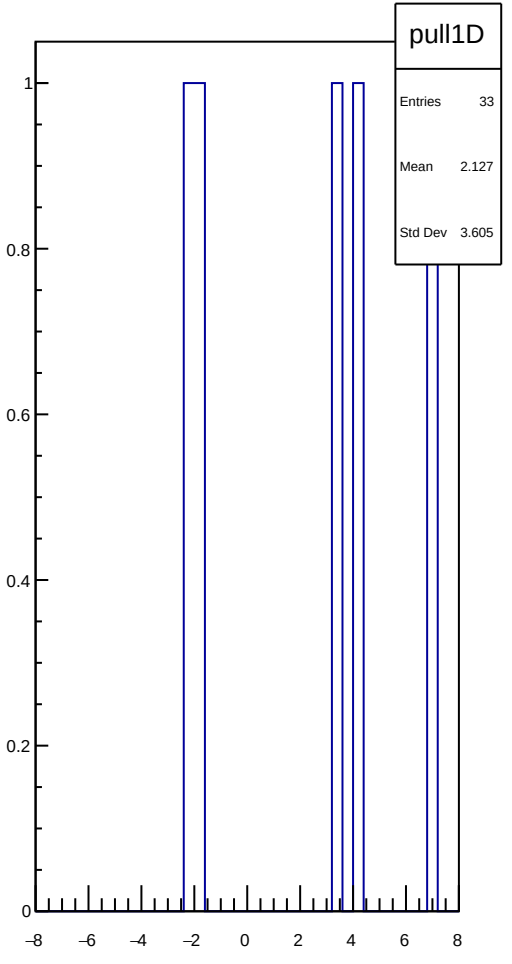

yield_bpm2i01X_rms vs run
χ² / ndf 2016 / 32
p0 0.003937 ± 4.844e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

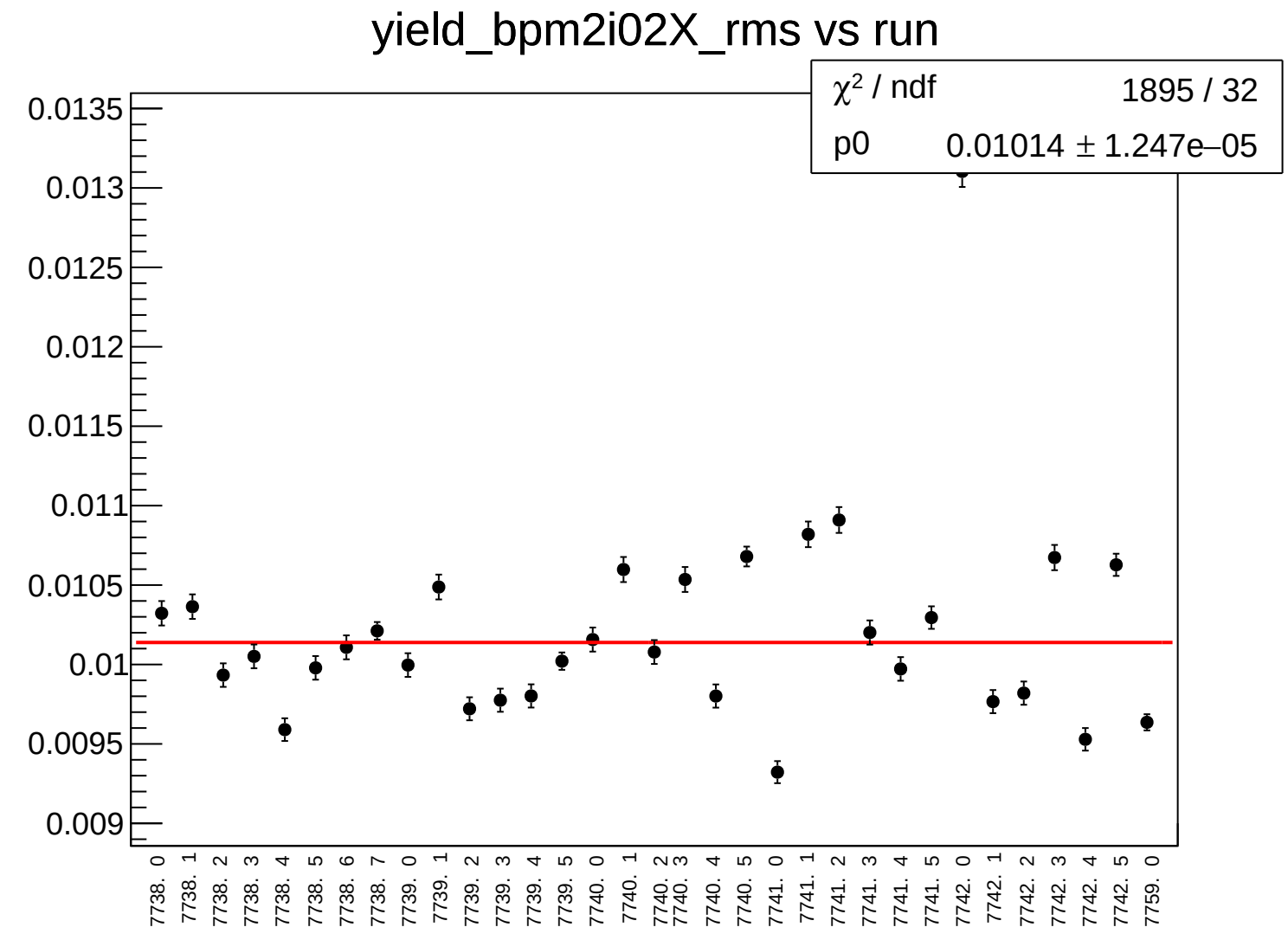

yield_bpm2i01Y_mean vs run
χ² / ndf 1.587e+05 / 32
p0 −4.705 ± 5.692e−06
−4.702
−4.704
−4.706
−4.708
−4.71
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −140.8
Std Dev 0
100
50
0
−50
−100

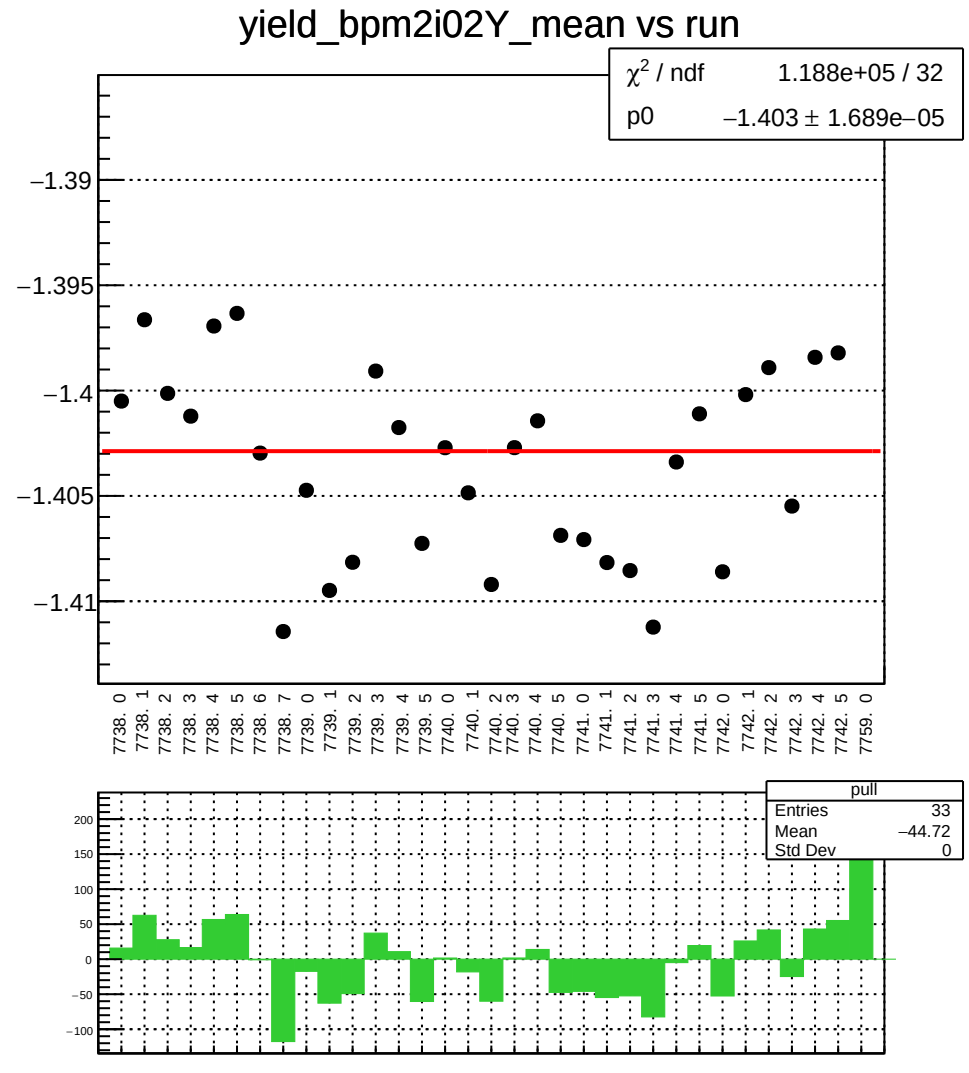

pull1D
Entries 33
Mean 2.252
Std Dev 4.497
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

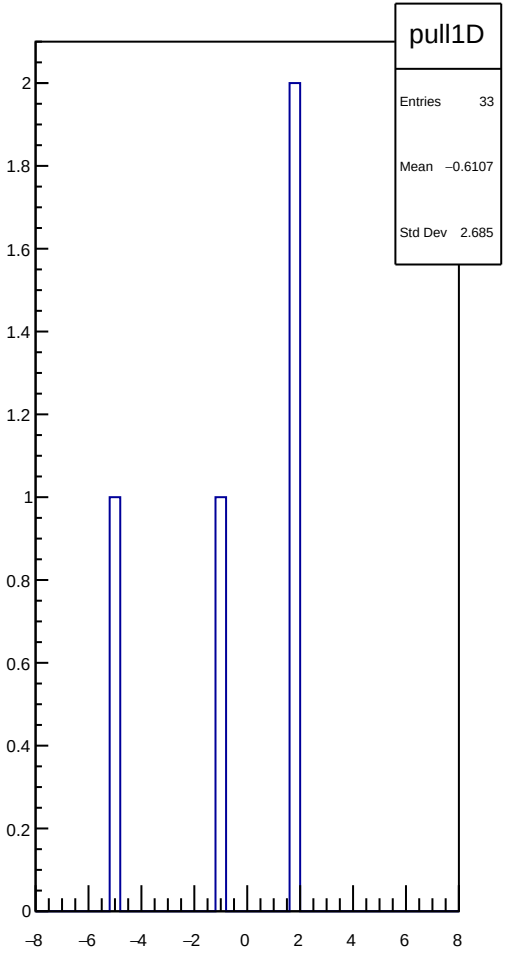

yield_bpm2i01Y_rms vs run
χ² / ndf 7599 / 32
p0 0.003258 ± 4.025e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

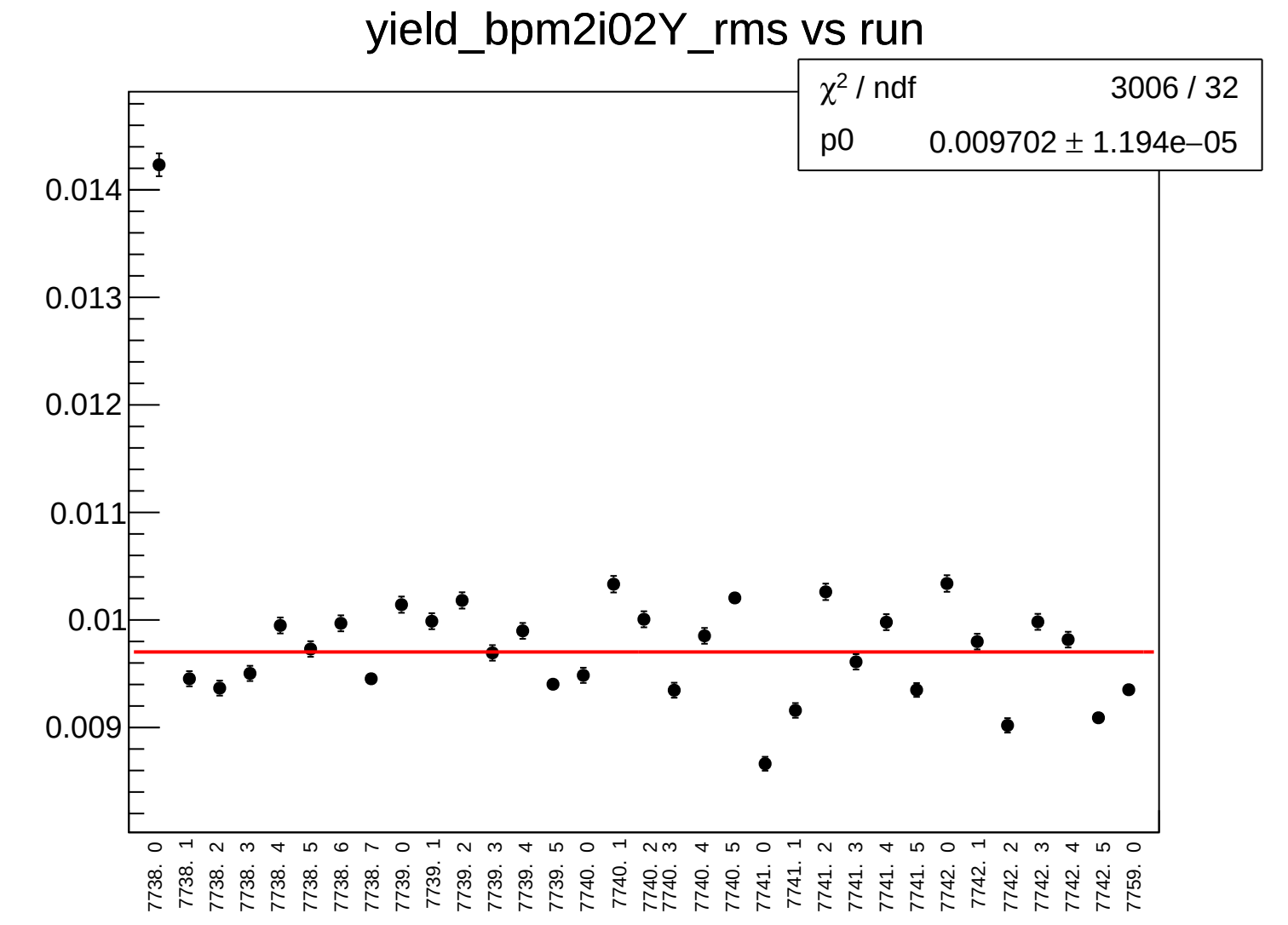

yield_bpm2i02X_mean vs run
χ² / ndf 4.111e+05 / 32
p0 −0.5426 ± 1.764e−05
−0.53
−0.54
−0.55
−0.56
−0.57
−0.58
−0.59
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.398
Std Dev 0
100
0
−100
−200
−300
−400
−500
−600

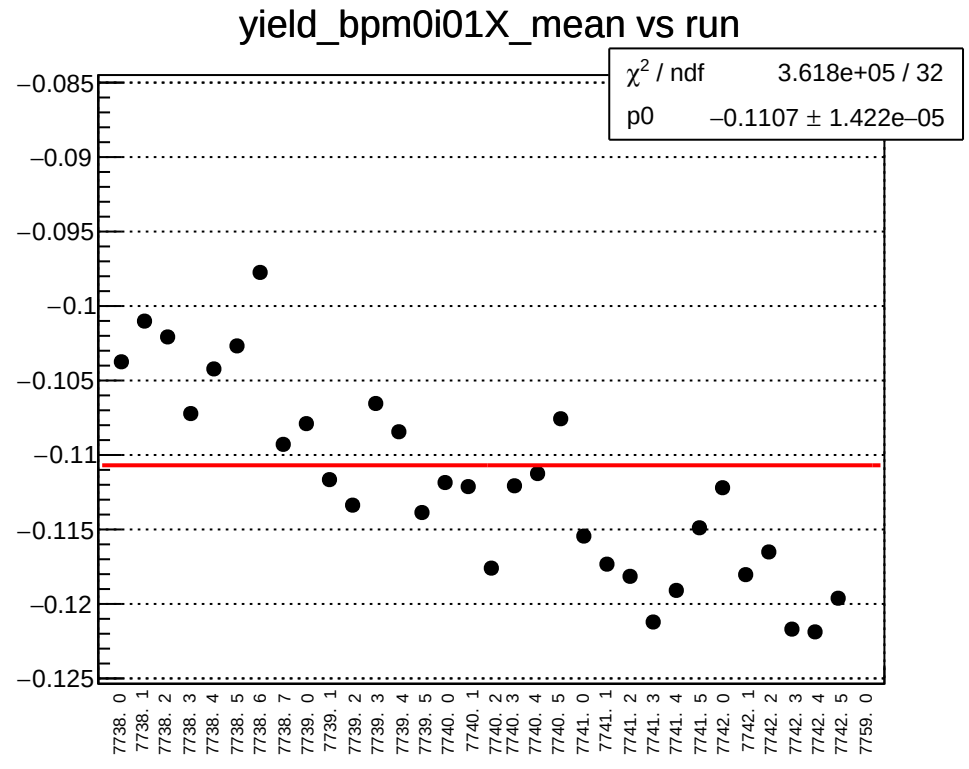

pull1D
Entries 33
Mean 2.127
Std Dev 3.605
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

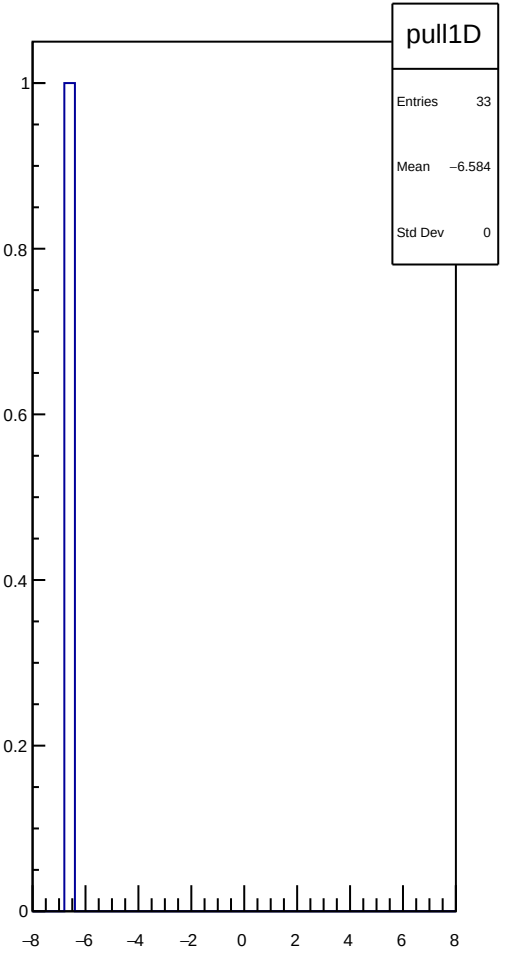

yield_bpm2i02X_rms vs run
χ² / ndf 1895 / 32
p0 0.01014 ± 1.247e–05
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

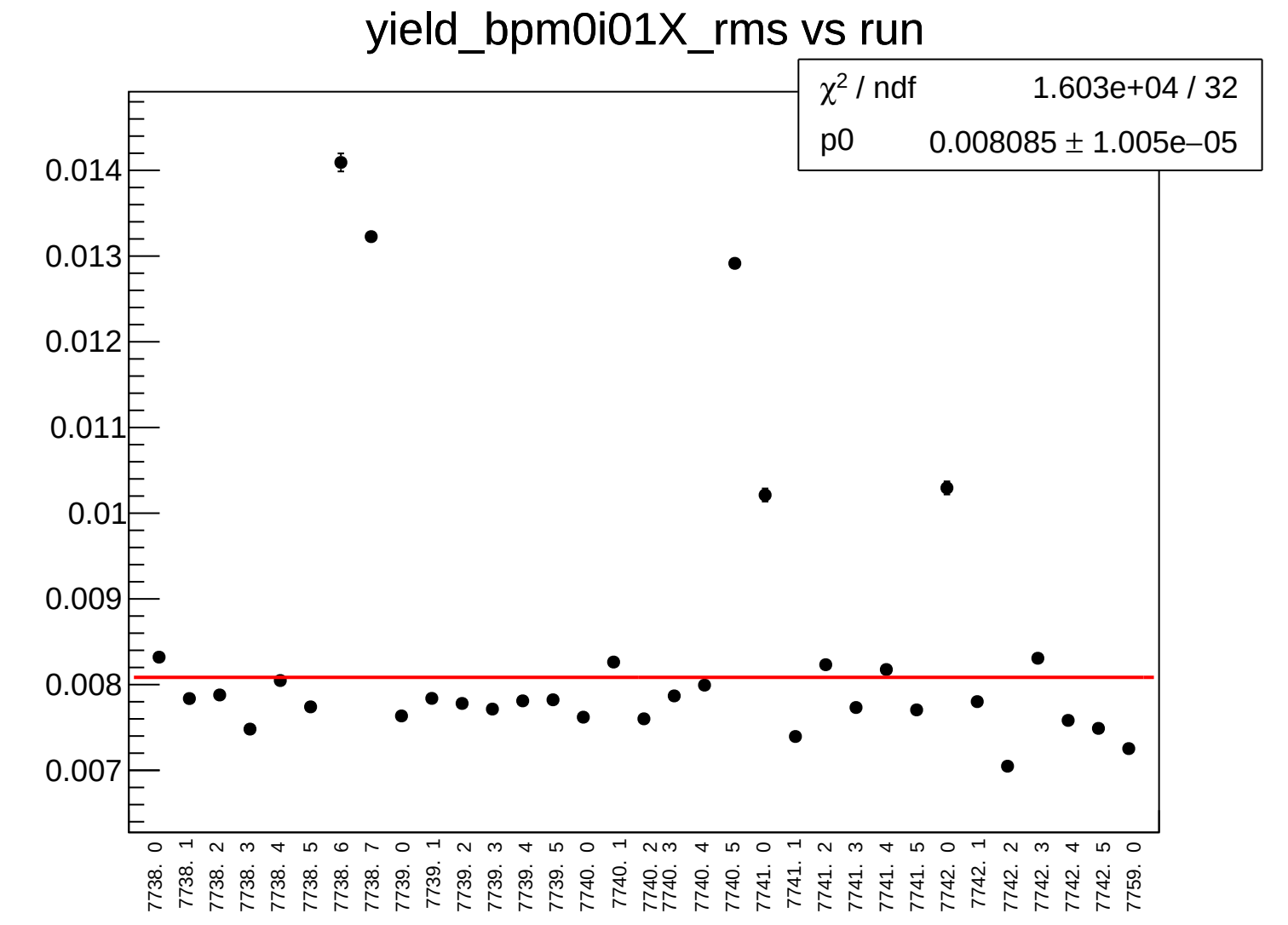

yield_bpm2i02Y_mean vs run
χ² / ndf 1.188e+05 / 32
p0 −1.403 ± 1.689e−05
−1.39
−1.395
−1.4
−1.405
−1.41
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.72
Std Dev 0
200
150
100
50
0
−50
−100

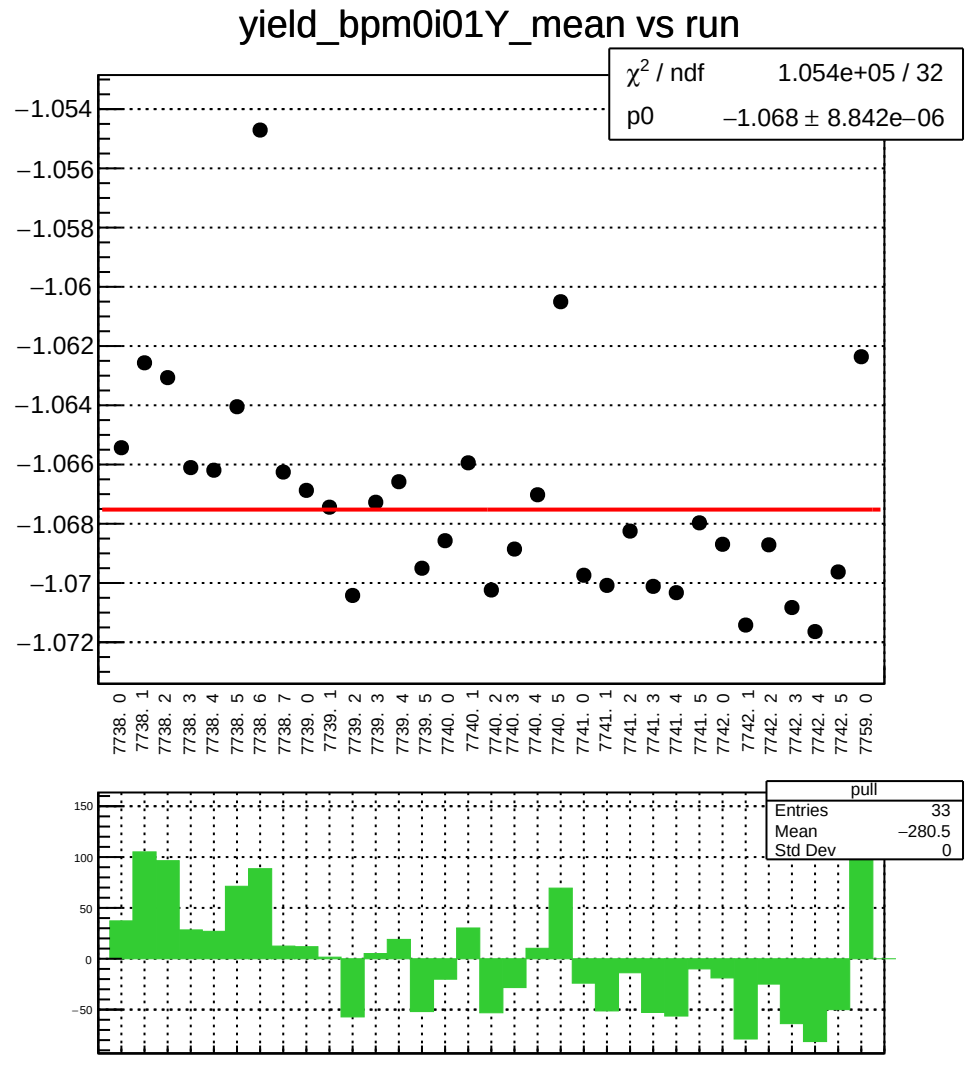

pull1D
Entries 33
Mean −0.6107
Std Dev 2.685
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

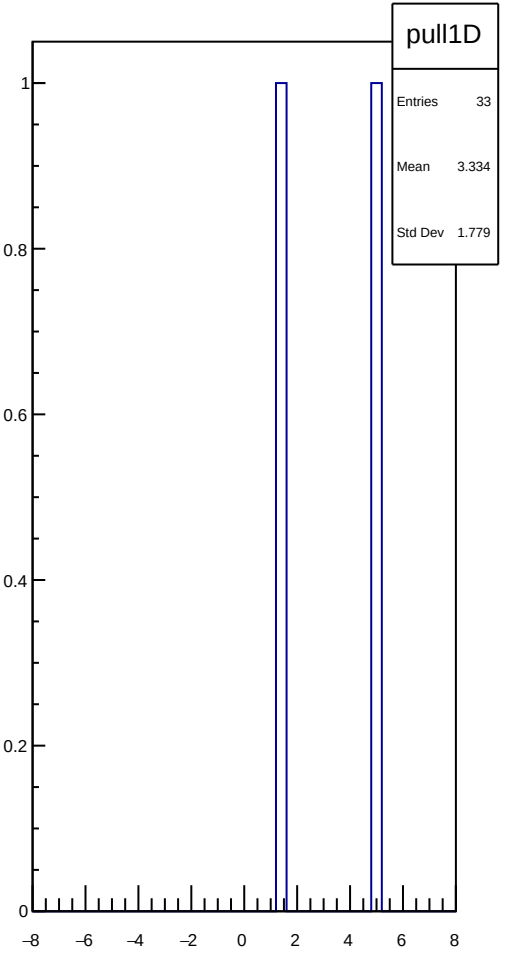

yield_bpm2i02Y_rms vs run
χ² / ndf 3006 / 32
p0 0.009702 ± 1.194e−05
0.014
0.013
0.012
0.011
0.01
0.009
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

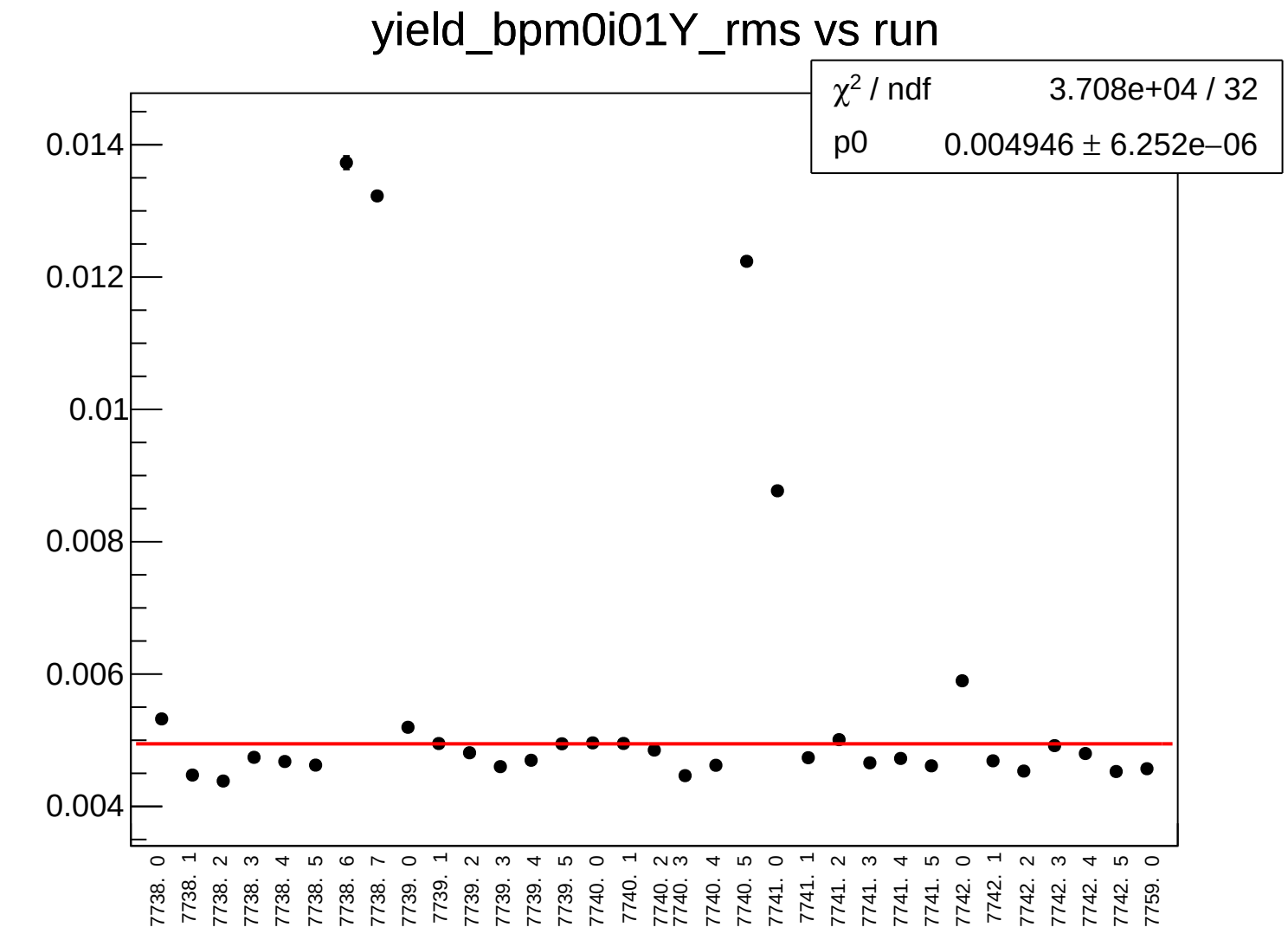

yield_bpm0i01X_mean vs run
χ² / ndf 3.618e+05 / 32
p0 −0.1107 ± 1.422e−05
−0.085
−0.09
−0.095
−0.1
−0.105
−0.11
−0.115
−0.12
−0.125
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 113
Std Dev 0
400
300
200
100
0
−100

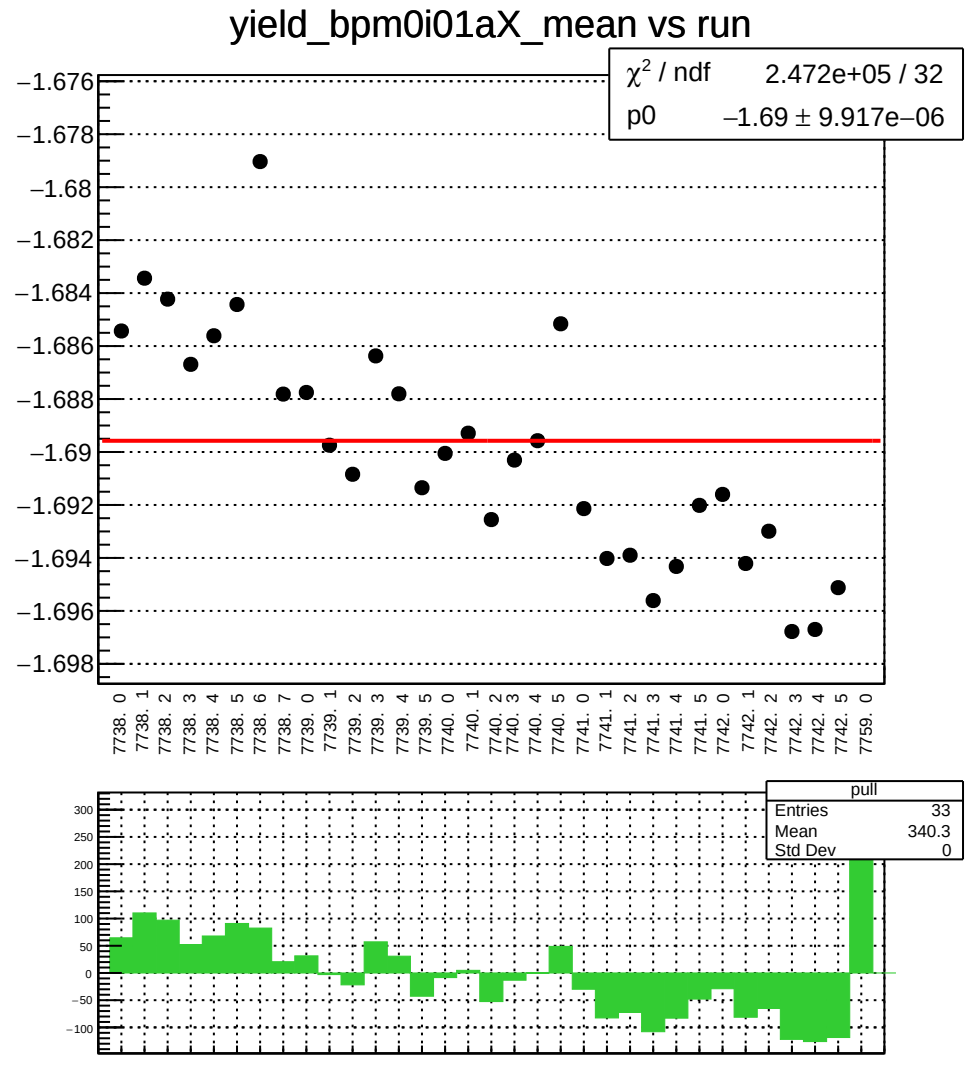

pull1D
Entries 33
Mean −6.584
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

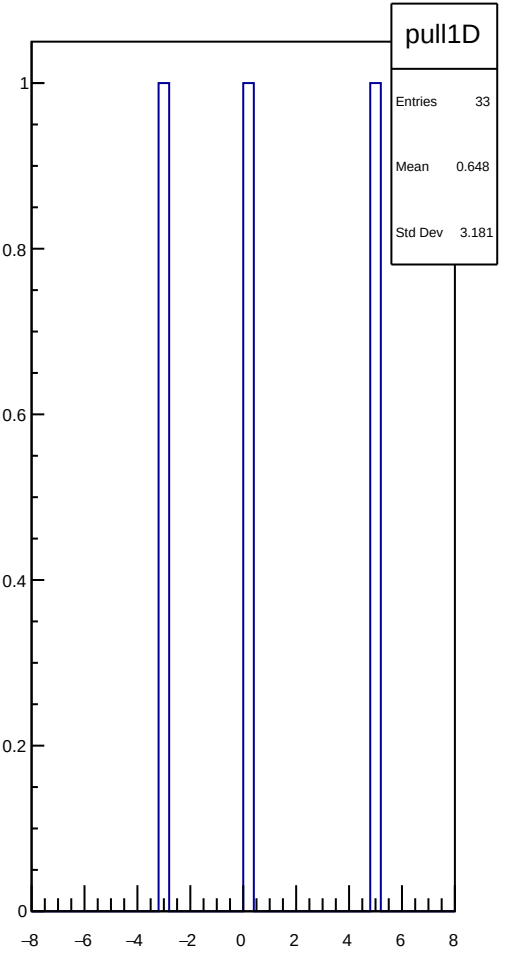

yield_bpm0i01X_rms vs run
χ² / ndf 1.603e+04 / 32
p0 0.008085 ± 1.005e−05
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

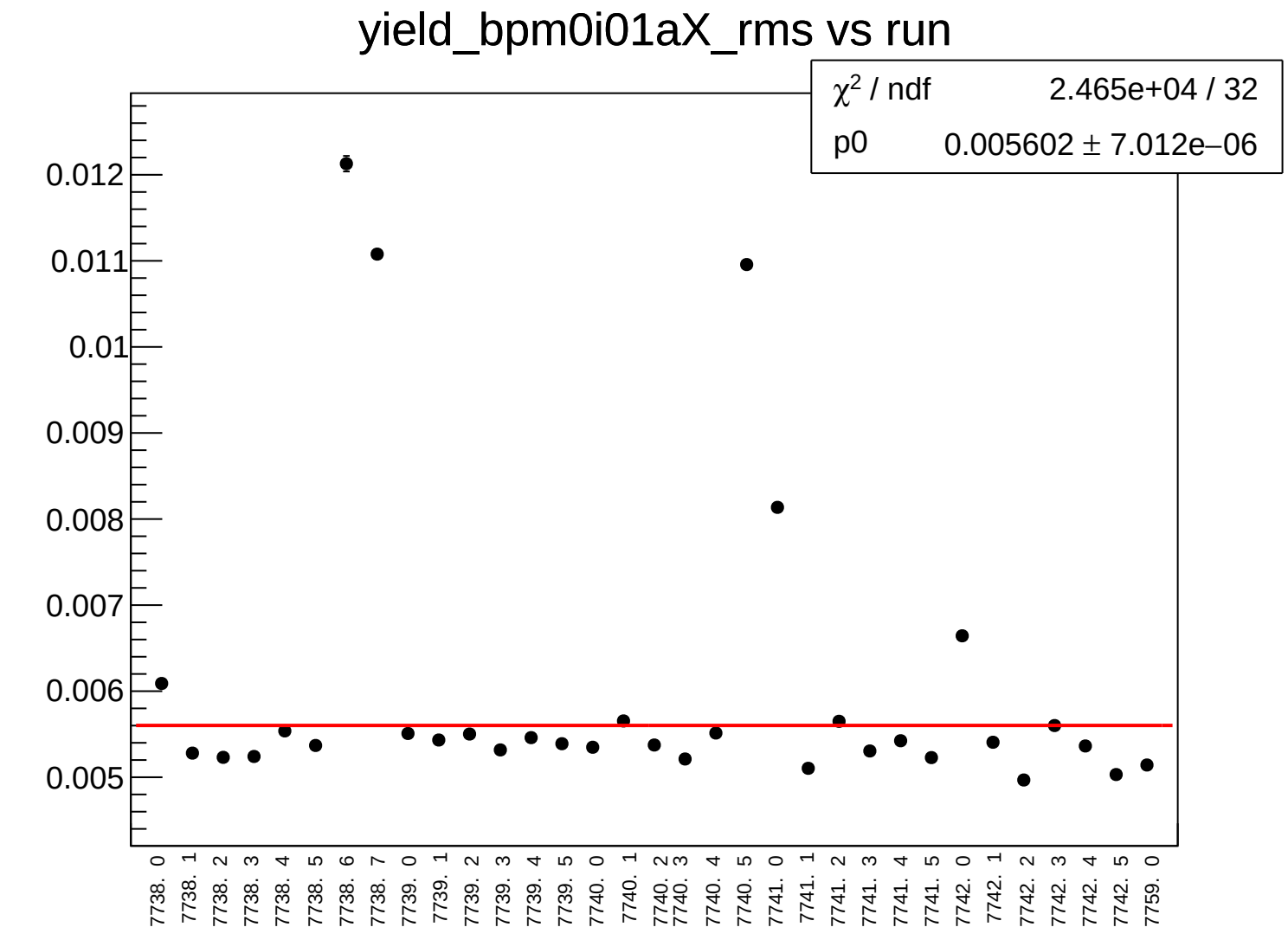

yield_bpm0i01Y_mean vs run
χ² / ndf 1.054e+05 / 32
p0 −1.068 ± 8.842e−06
−1.054
−1.056
−1.058
−1.06
−1.062
−1.064
−1.066
−1.068
−1.07
−1.072
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −280.5
Std Dev 0
150
100
50
0
−50

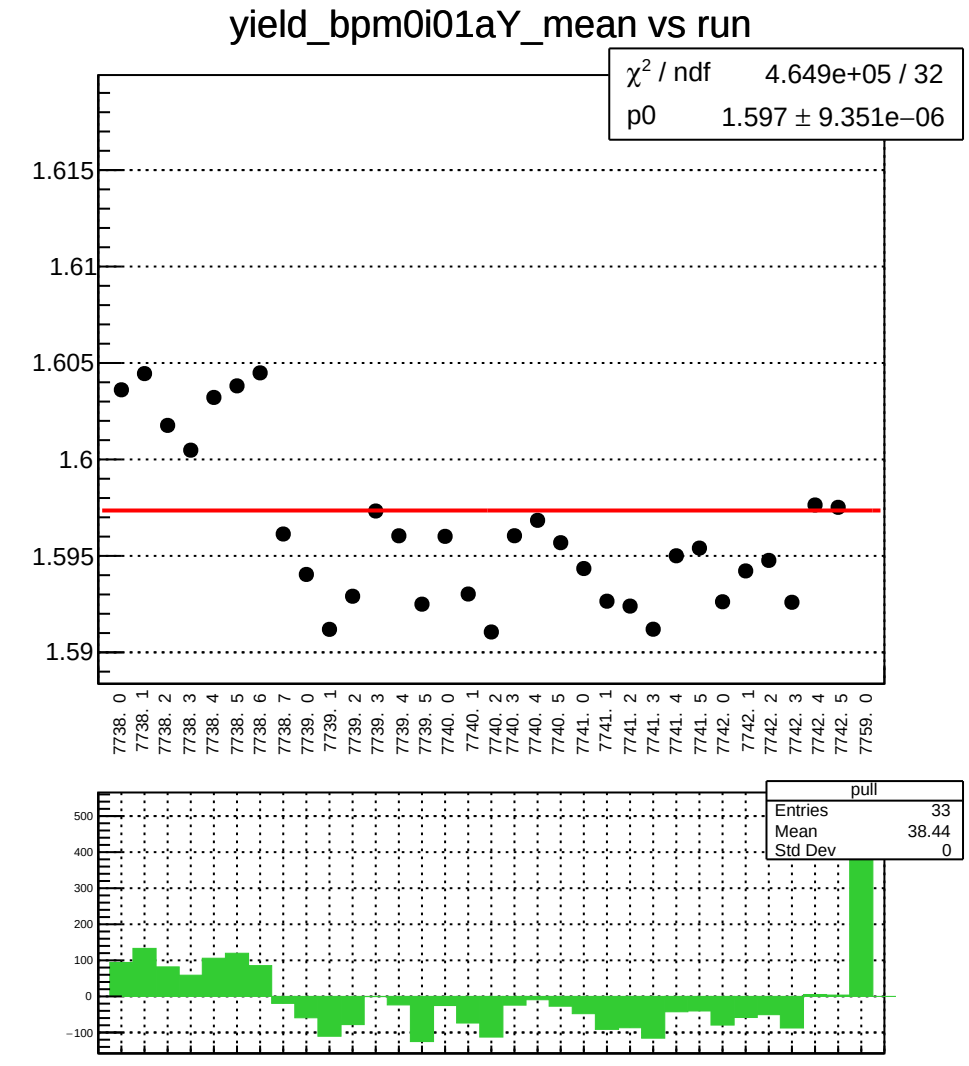

pull1D
Entries 33
Mean 3.334
Std Dev 1.779
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

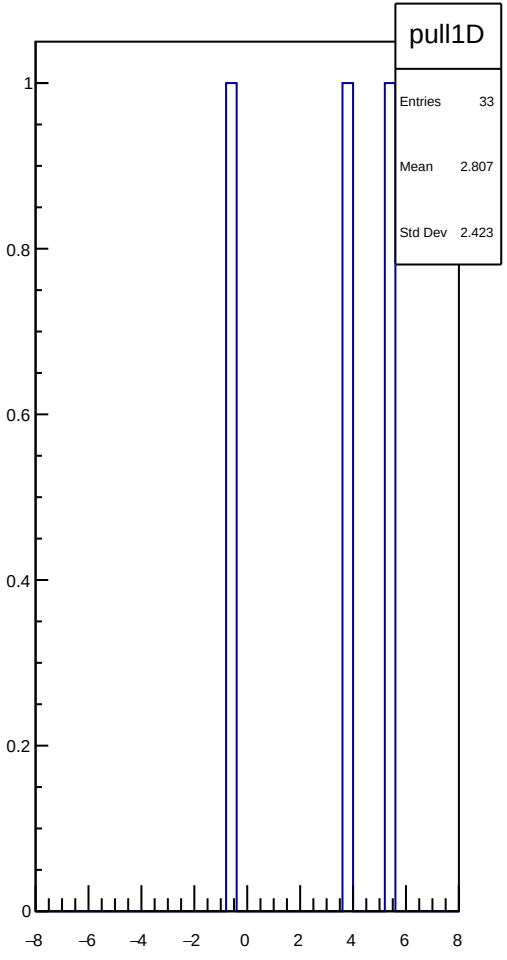

yield_bpm0i01Y_rms vs run
χ² / ndf 3.708e+04 / 32
p0 0.004946 ± 6.252e−06
0.014
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

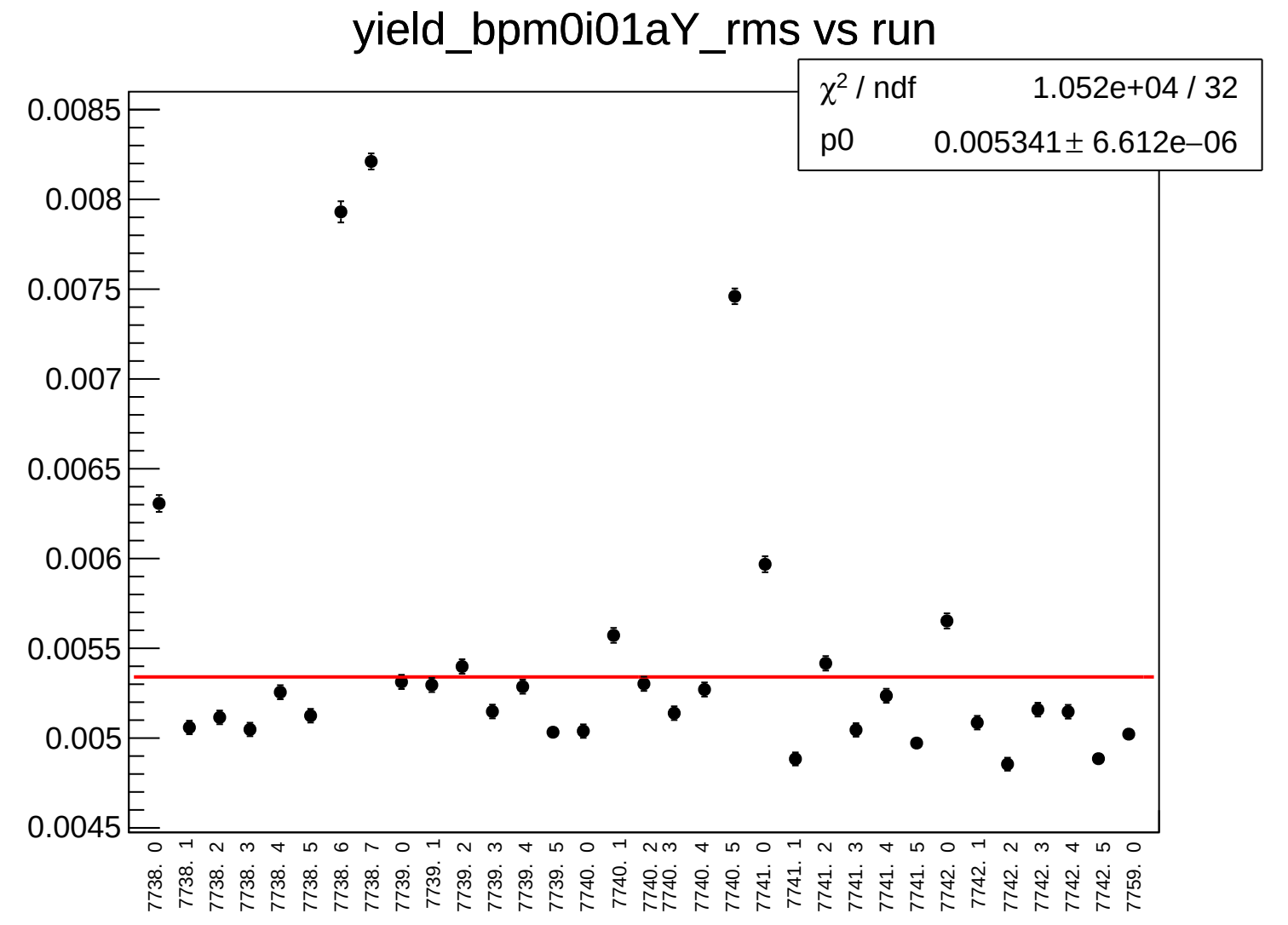

yield_bpm0i01aX_mean vs run
χ² / ndf 2.472e+05 / 32
p0 −1.69 ± 9.917e−06
−1.676
−1.678
−1.68
−1.682
−1.684
−1.686
−1.688
−1.69
−1.692
−1.694
−1.696
−1.698
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 340.3
Std Dev 0
300
250
200
150
100
50
0
−50
−100

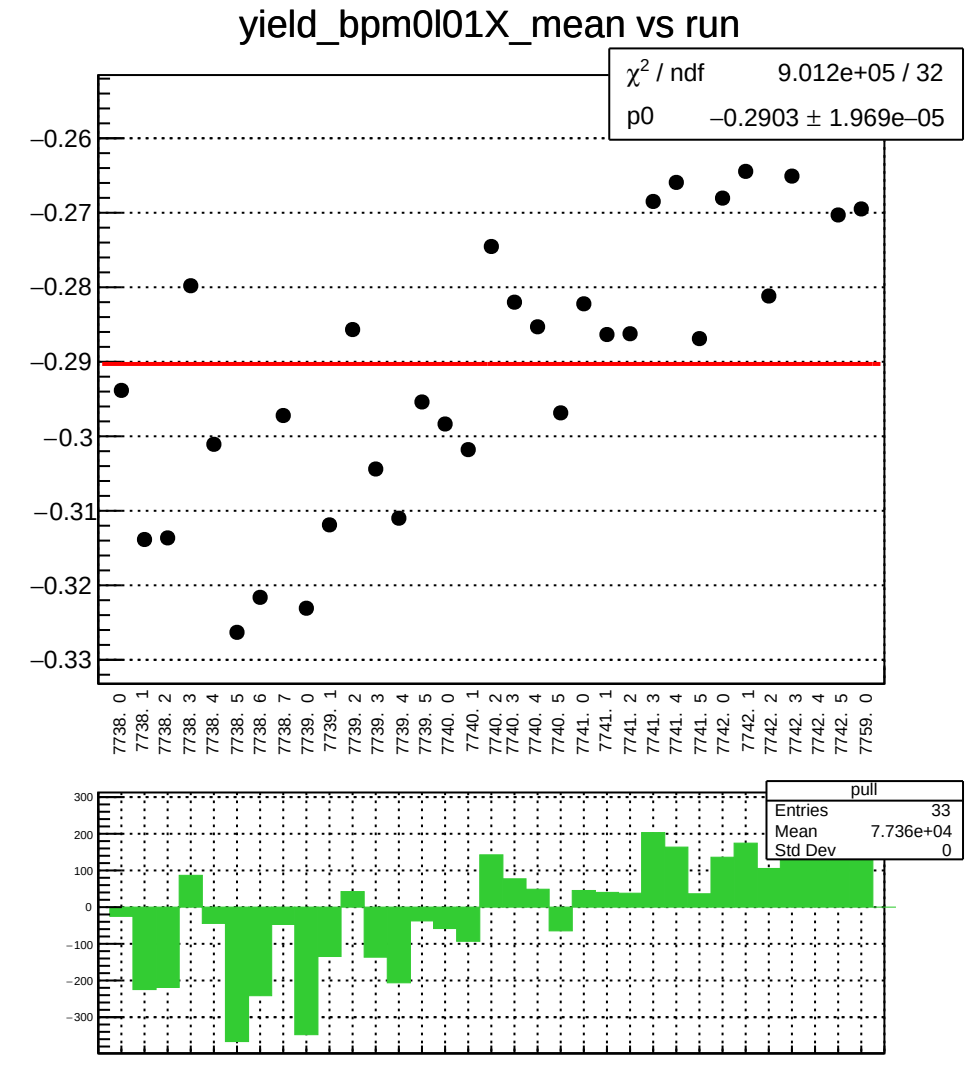

pull1D
Entries 33
Mean 0.648
Std Dev 3.181
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

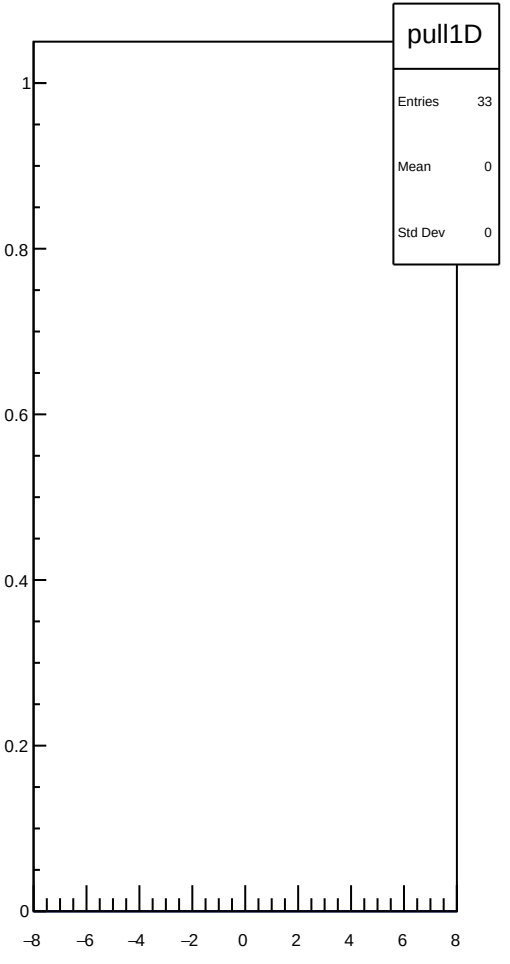

yield_bpm0i01aX_rms vs run
χ² / ndf 2.465e+04 / 32
p0 0.005602 ± 7.012e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

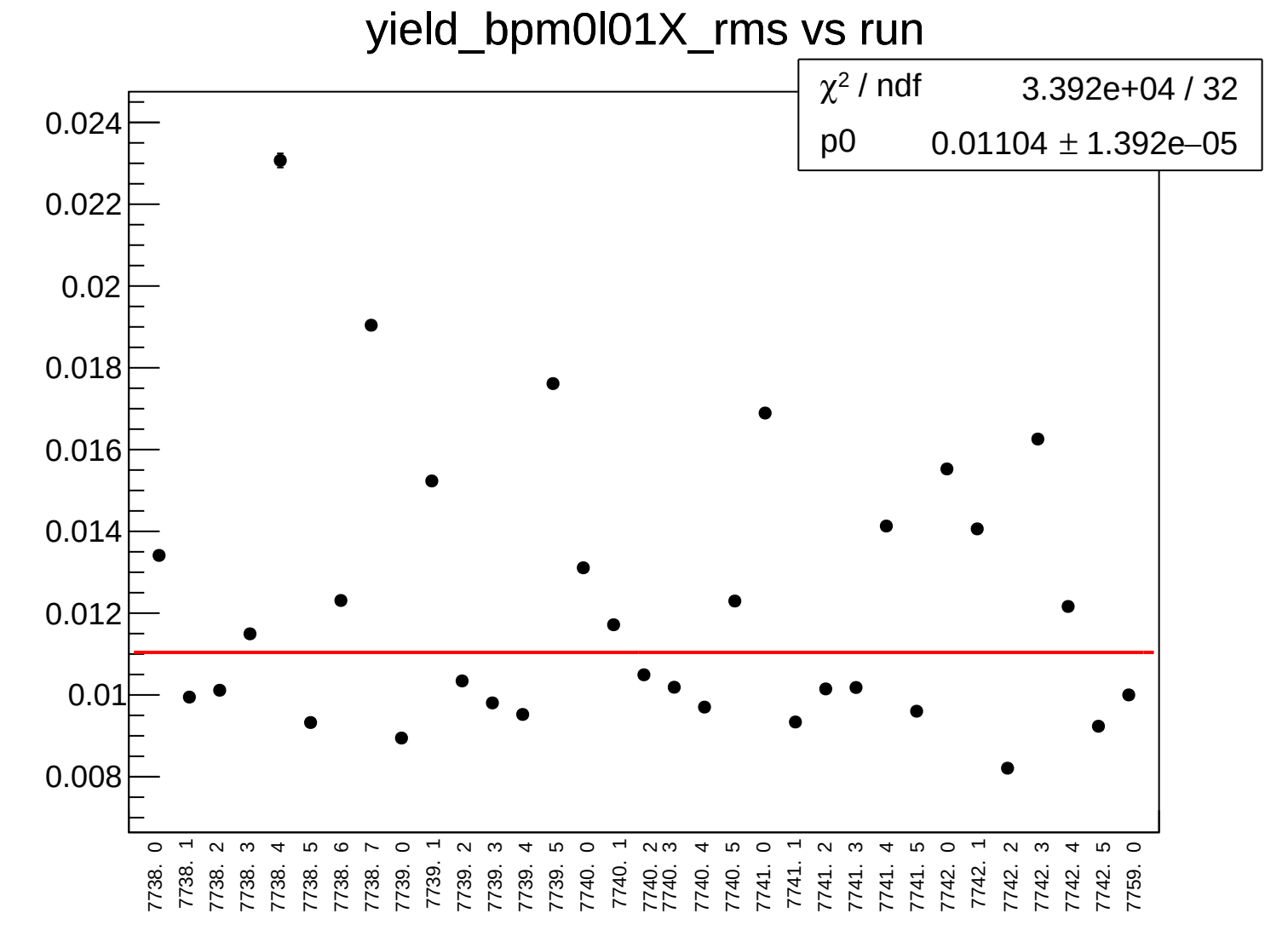

yield_bpm0i01aY_mean vs run
χ² / ndf 4.649e+05 / 32
p0 1.597 ± 9.351e−06
1.615
1.61
1.605
1.6
1.595
1.59
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.44
Std Dev 0
500
400
300
200
100
0
−100

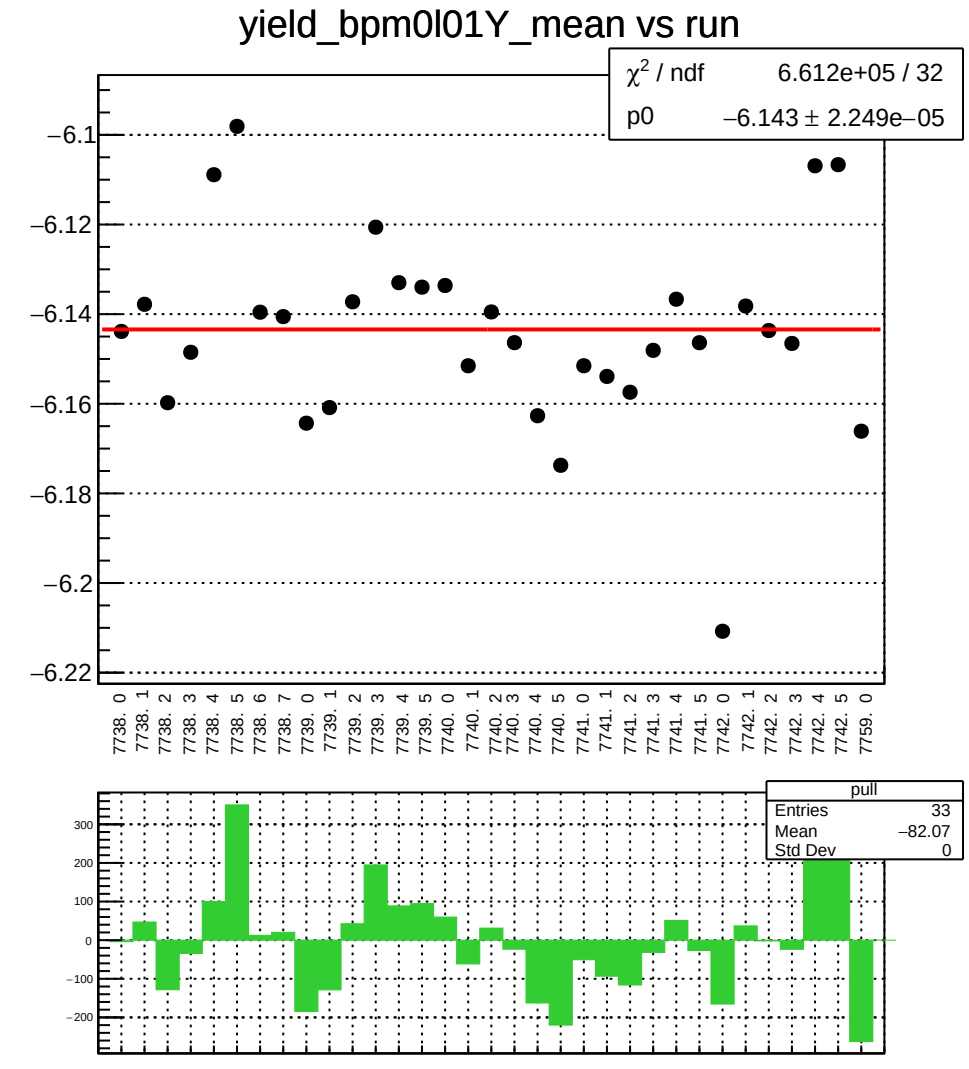

pull1D
Entries 33
Mean 2.807
Std Dev 2.423
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

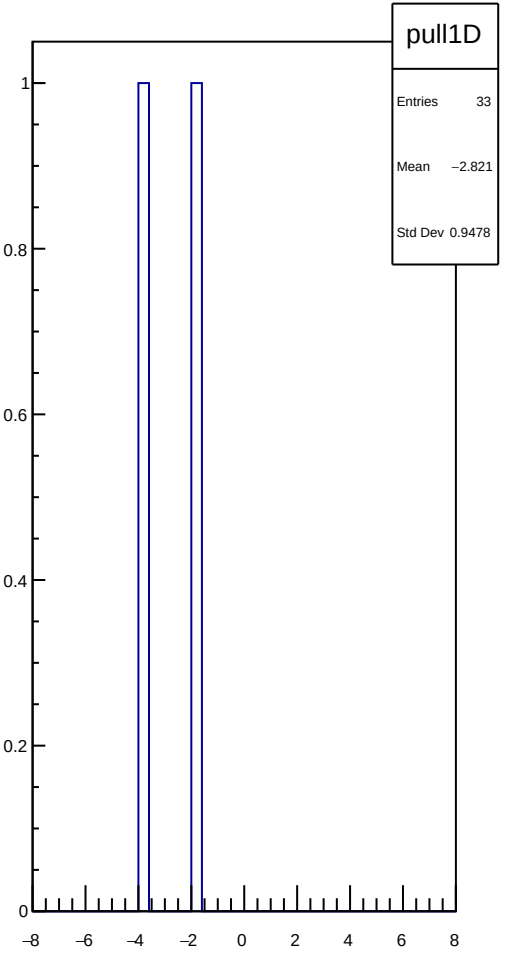

yield_bpm0i01aY_rms vs run
χ² / ndf 1.052e+04 / 32
p0 0.005341 ± 6.612e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

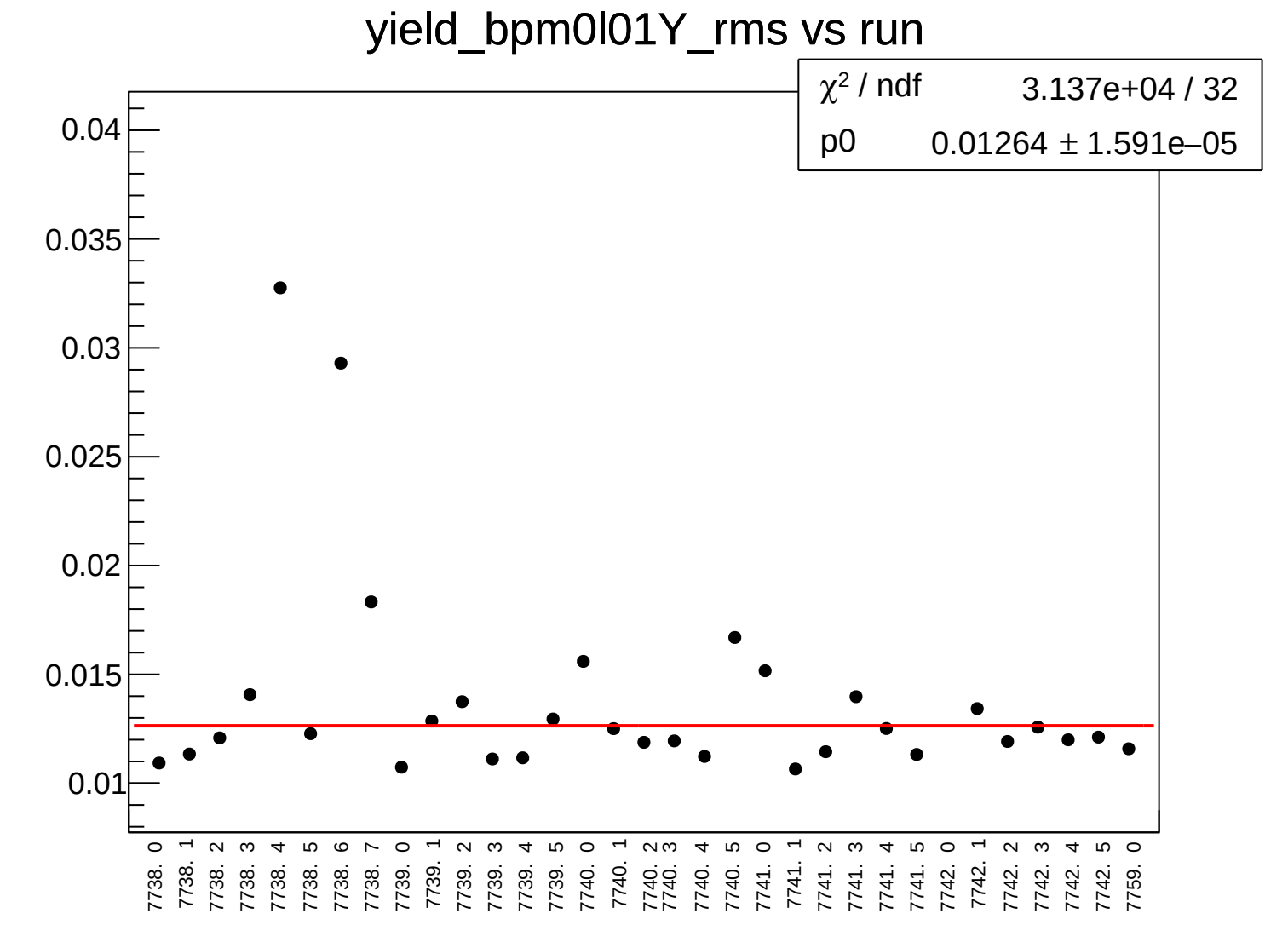

yield_bpm0l01X_mean vs run
χ² / ndf 9.012e+05 / 32
p0 −0.2903 ± 1.969e−05
−0.26
−0.27
−0.28
−0.29
−0.3
−0.31
−0.32
−0.33
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.736e+04
Std Dev 0
300
200
100
0
−100
−200
−300

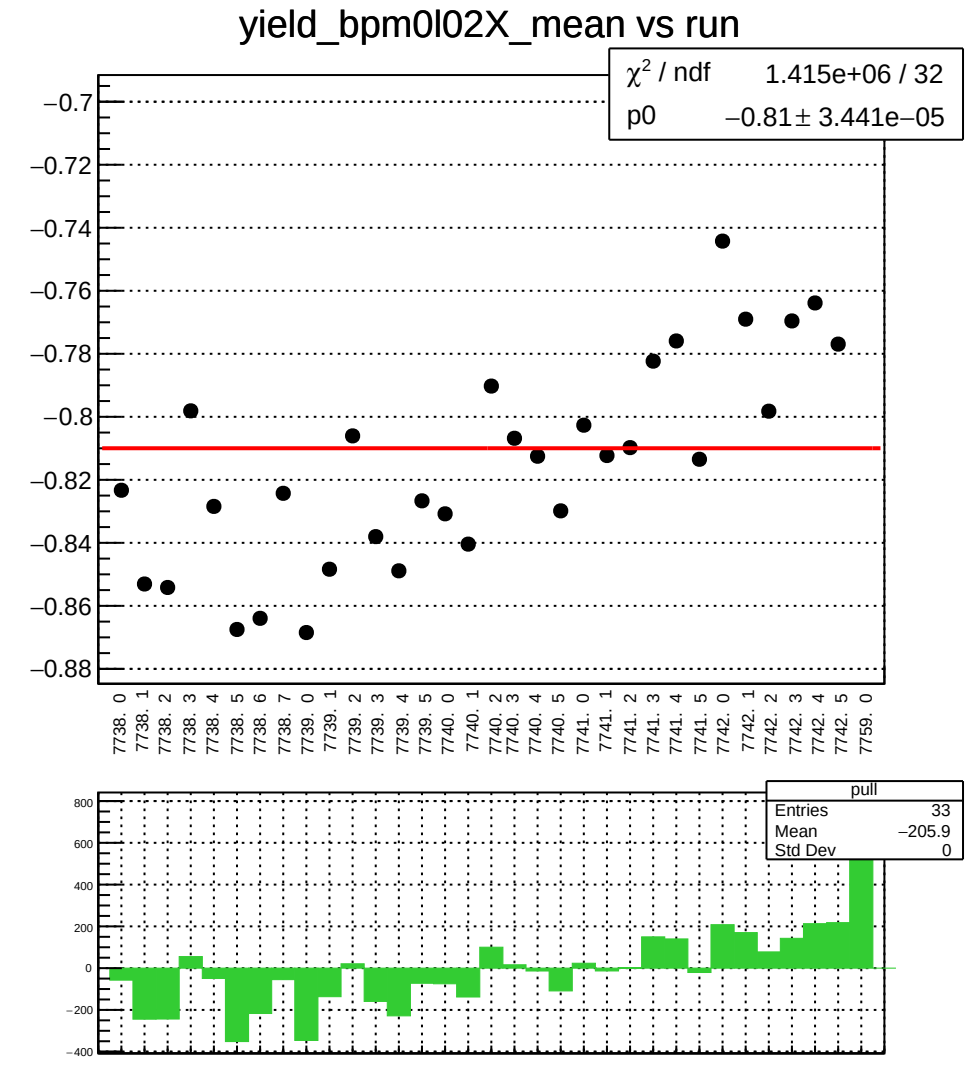

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

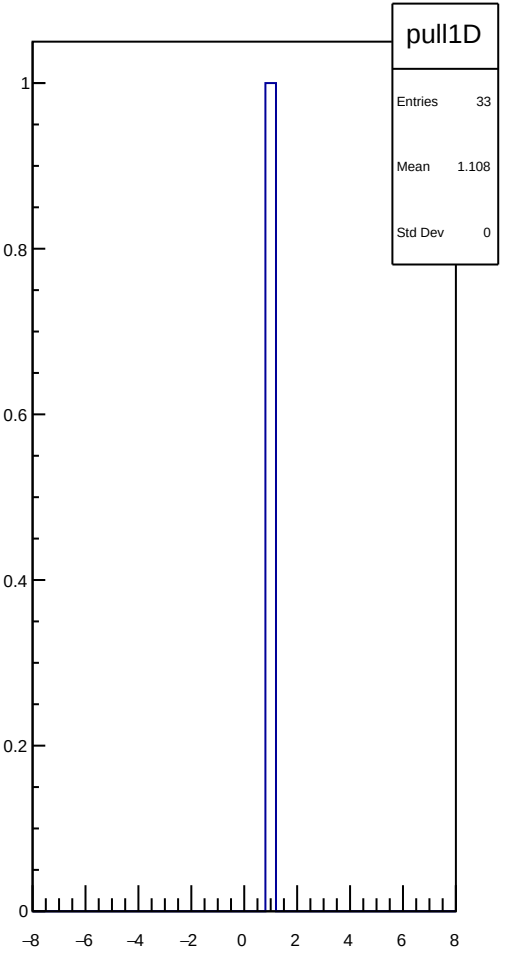

yield_bpm0l01X_rms vs run
χ² / ndf 3.392e+04 / 32
p0 0.01104 ± 1.392e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

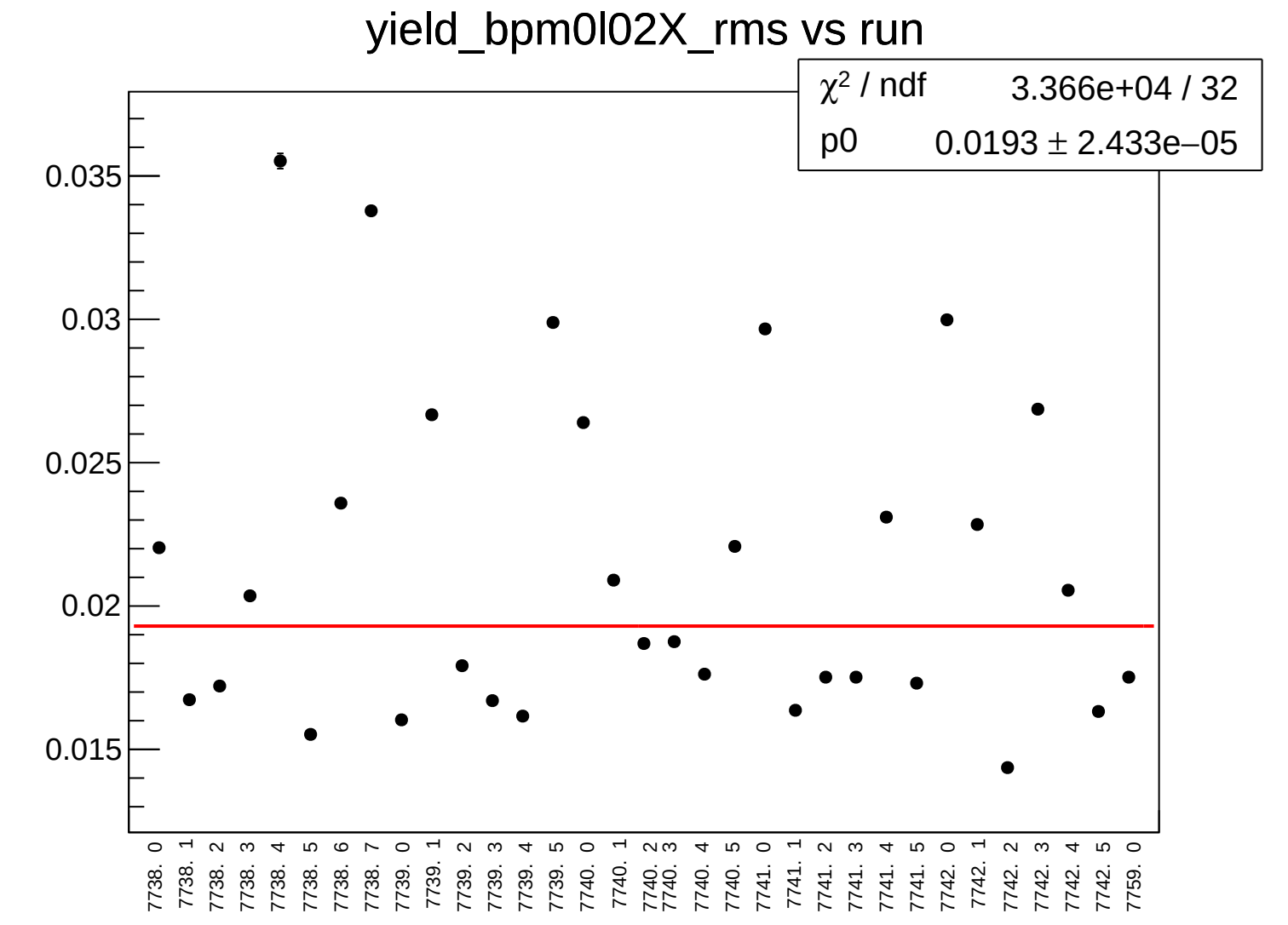

yield_bpm0l01Y_mean vs run
χ² / ndf 6.612e+05 / 32
p0 −6.143 ± 2.249e−05
−6.1
−6.12
−6.14
−6.16
−6.18
−6.2
−6.22
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −82.07
Std Dev 0
300
200
100
0
−100
−200

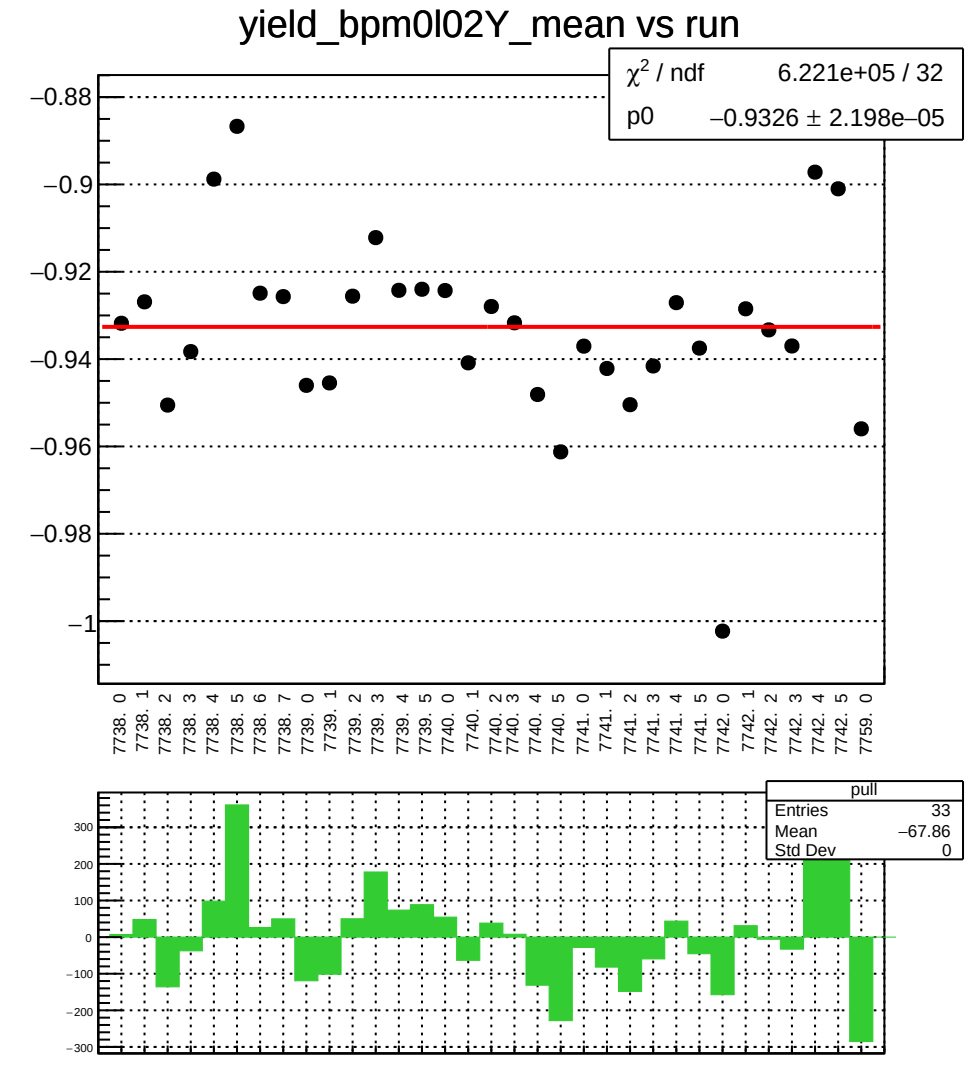

pull1D
Entries 33
Mean −2.821
Std Dev 0.9478
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

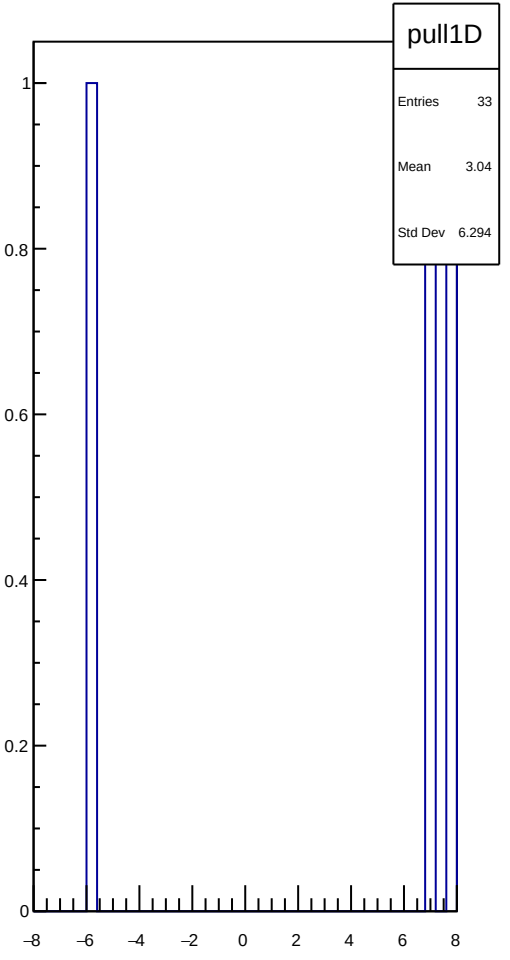

yield_bpm0l01Y_rms vs run
χ² / ndf 3.137e+04 / 32
p0 0.01264 ± 1.591e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

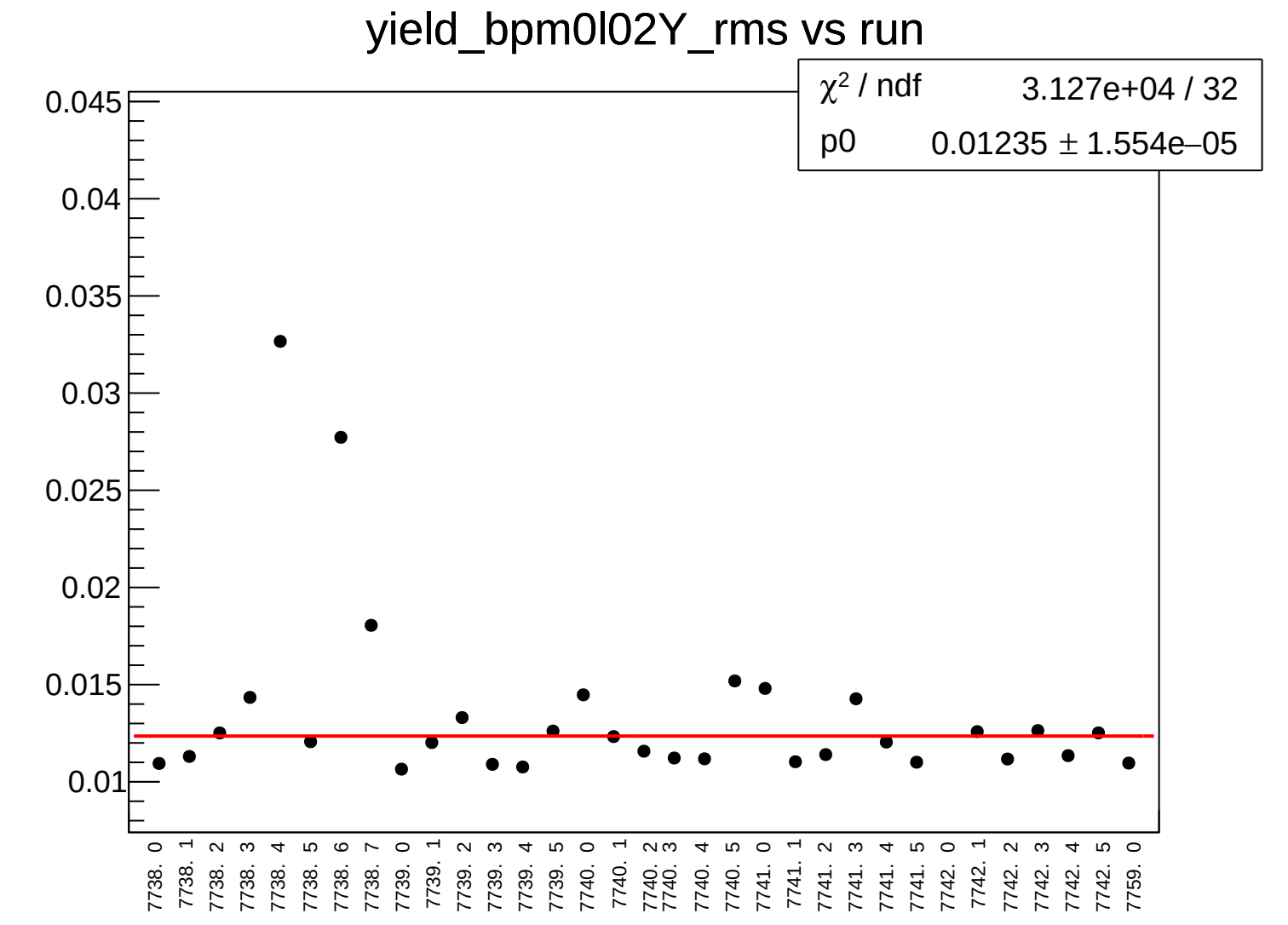

yield_bpm0l02X_mean vs run
χ² / ndf 1.415e+06 / 32
p0 −0.81 ± 3.441e−05
−0.7
−0.72
−0.74
−0.76
−0.78
−0.8
−0.82
−0.84
−0.86
−0.88
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −205.9
Std Dev 0
800
600
400
200
0
−200
−400

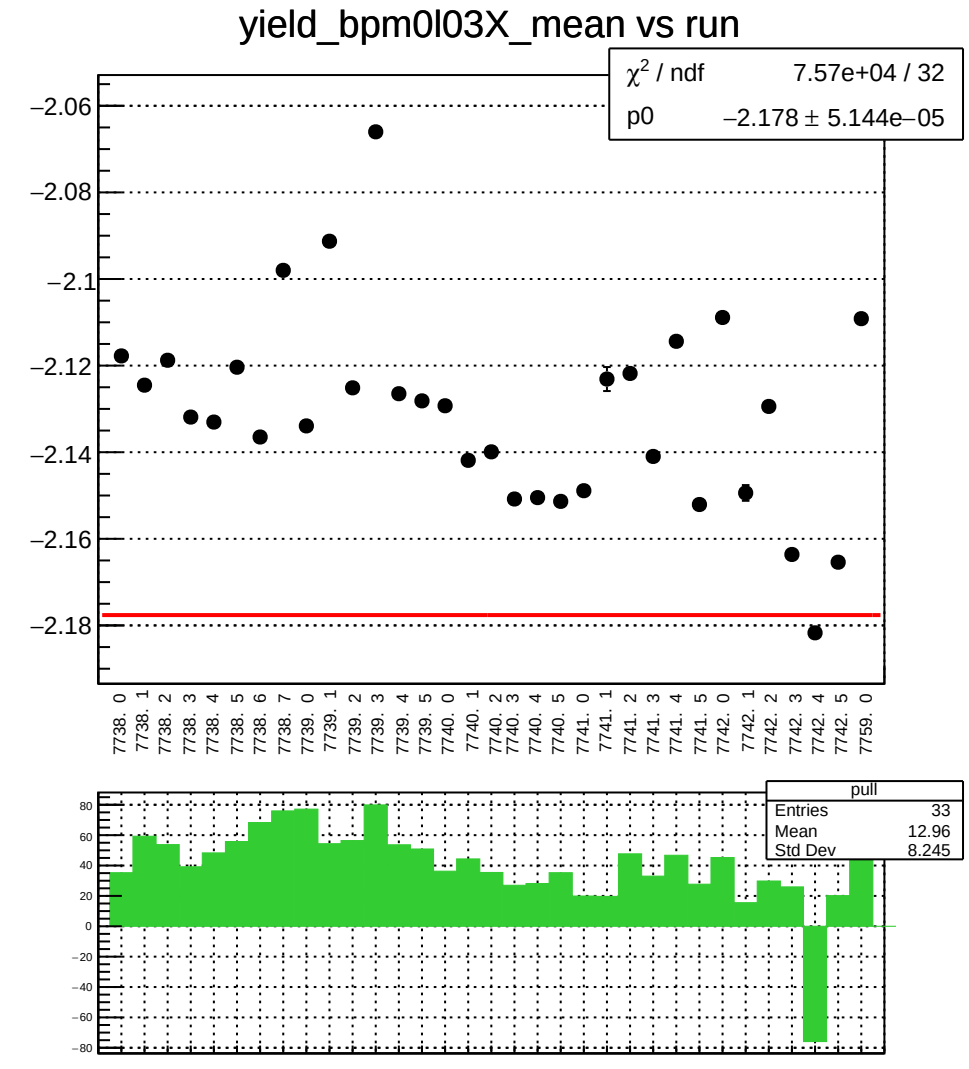

pull1D
Entries 33
Mean 1.108
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

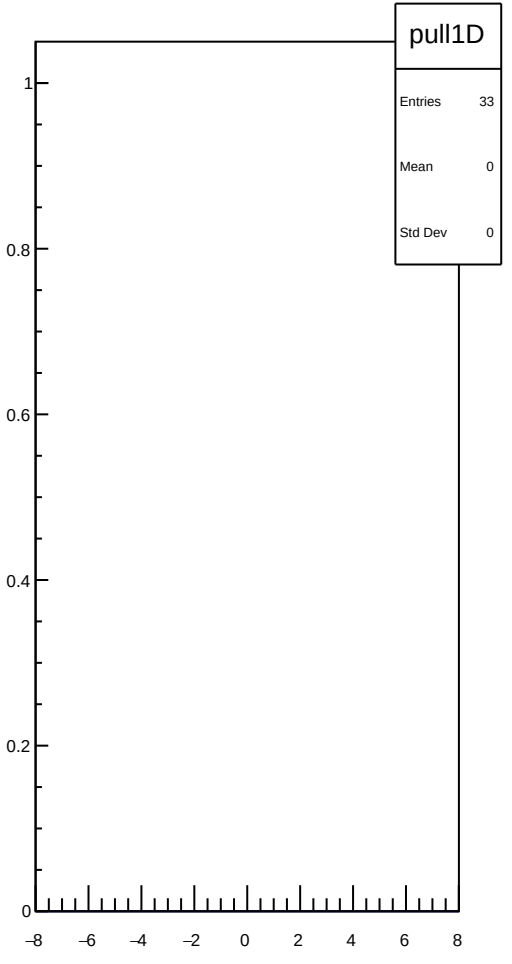

yield_bpm0l02X_rms vs run
χ² / ndf 3.366e+04 / 32
p0 0.0193 ± 2.433e−05
0.035
0.03
0.025
0.02
0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

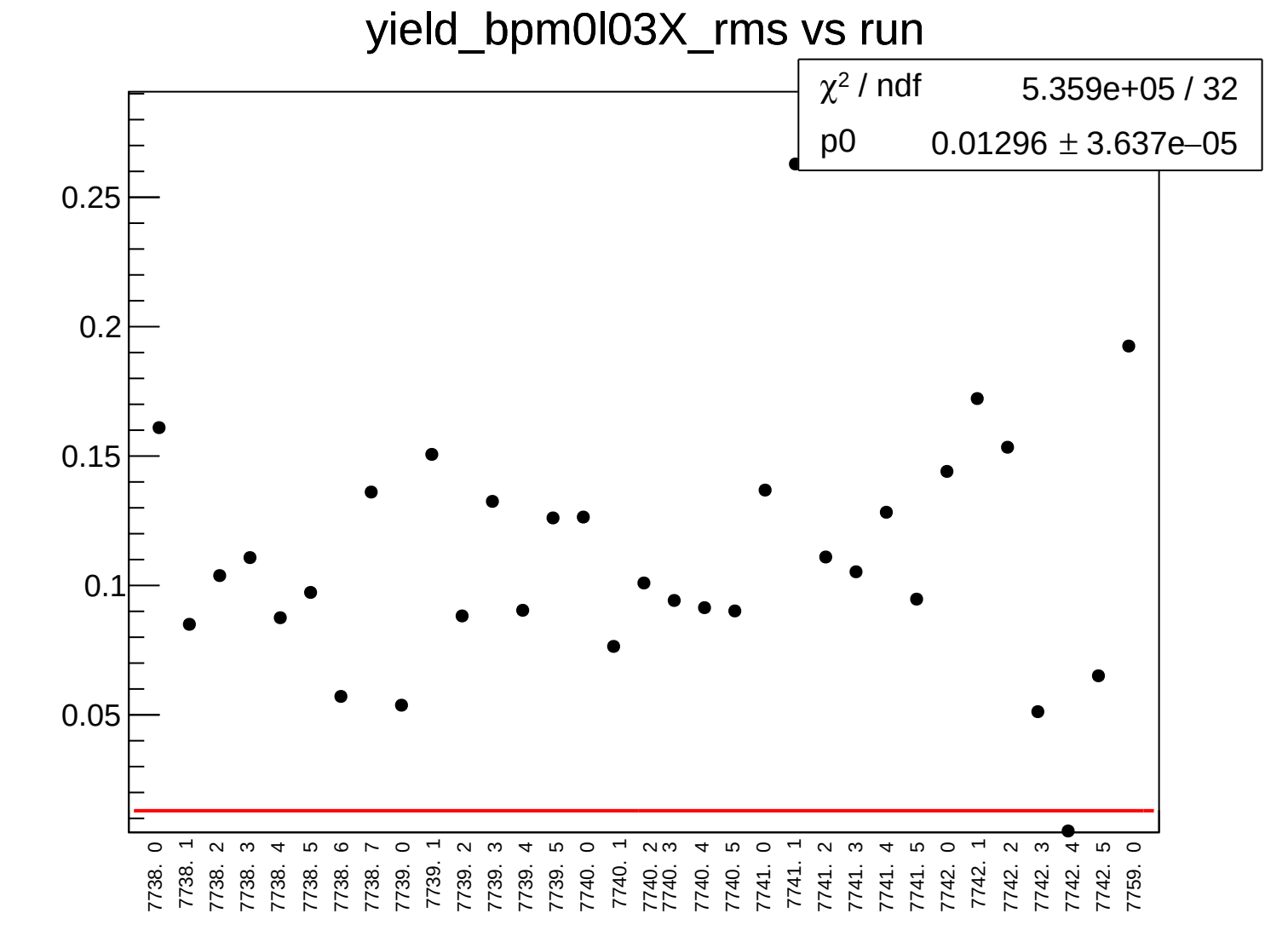

yield_bpm0l02Y_mean vs run
χ² / ndf 6.221e+05 / 32
p0 −0.9326 ± 2.198e−05
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −67.86
Std Dev 0
300
200
100
0
−100
−200
−300

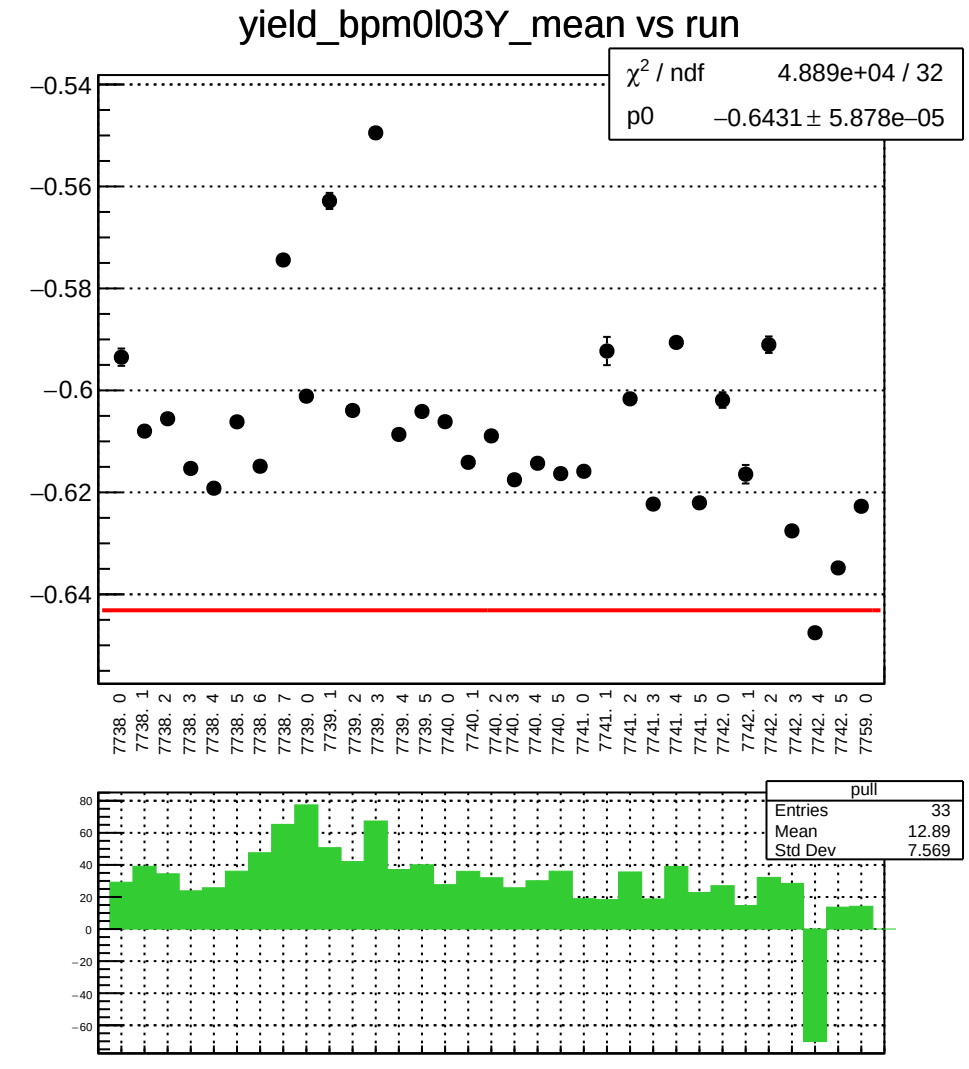

pull1D
Entries 33
Mean 3.04
Std Dev 6.294
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

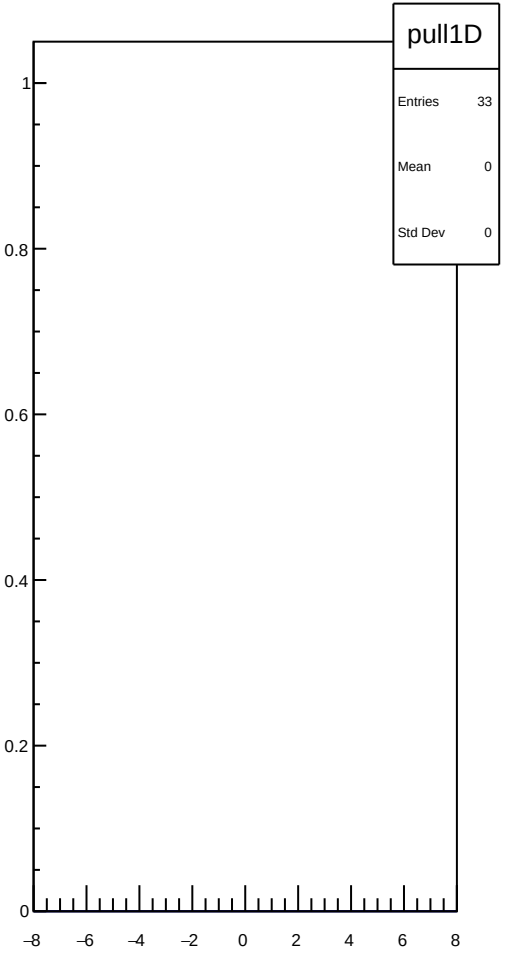

yield_bpm0l02Y_rms vs run
χ² / ndf 3.127e+04 / 32
p0 0.01235 ± 1.554e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

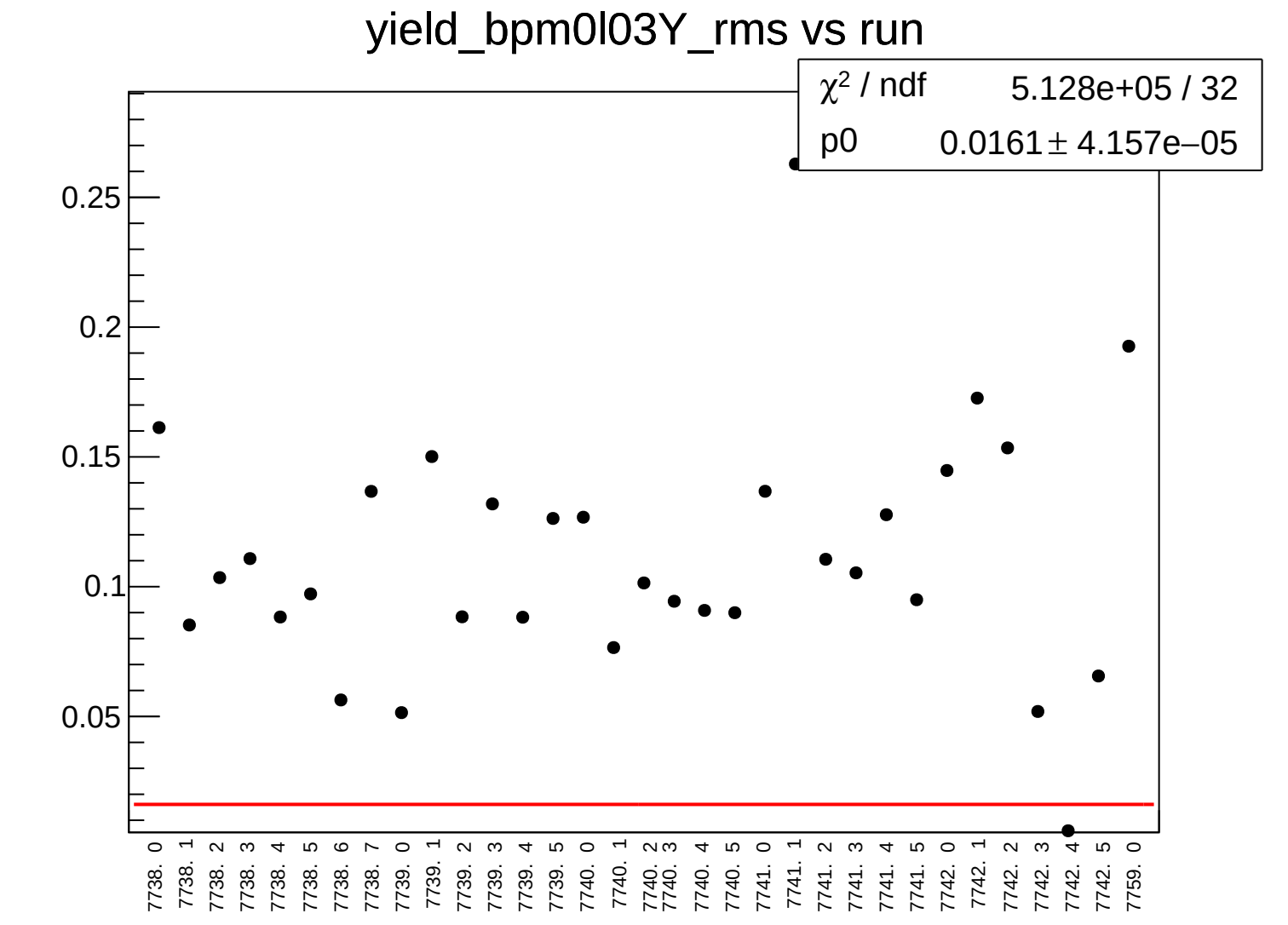

yield_bpm0l03X_mean vs run
χ² / ndf 7.57e+04 / 32
p0 −2.178 ± 5.144e−05
−2.06
−2.08
−2.1
−2.12
−2.14
−2.16
−2.18
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.96
Std Dev 8.245
80
60
40
20
0
−20
−40
−60
−80

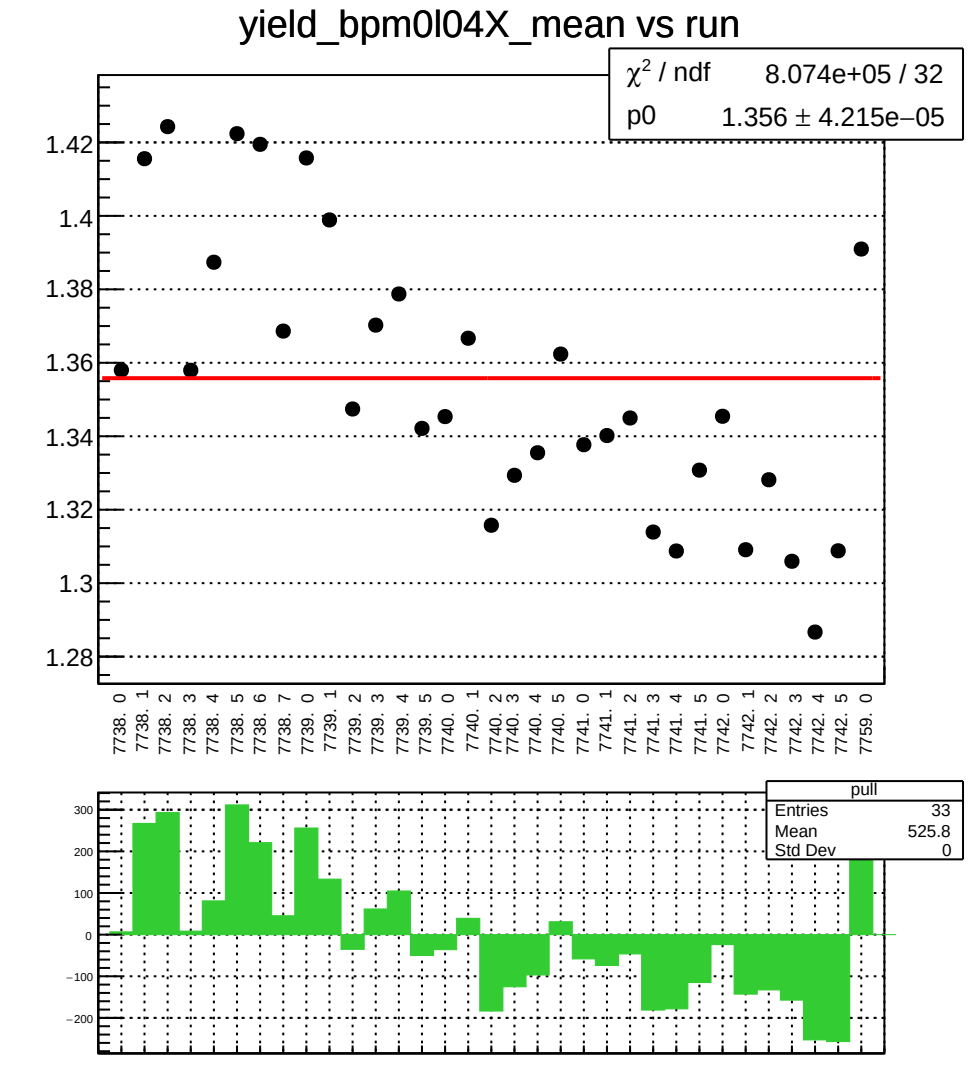

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

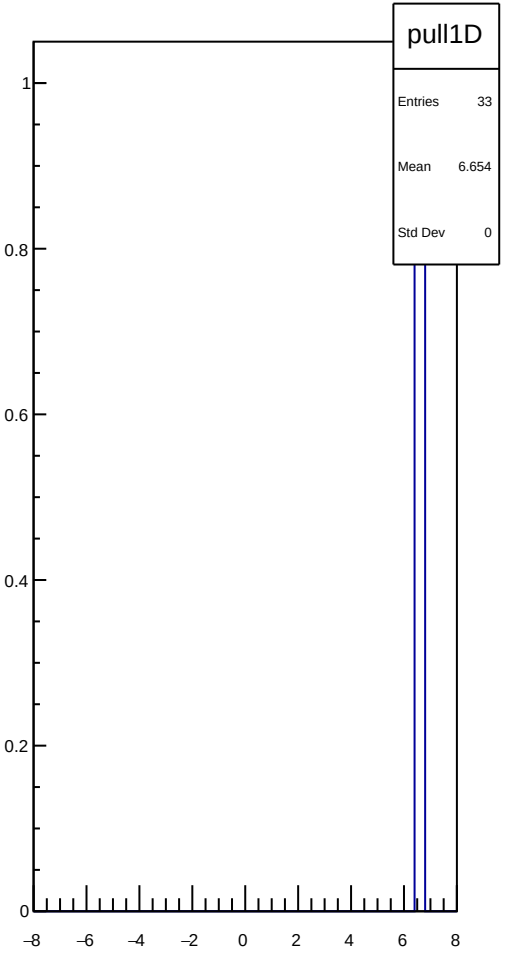

yield_bpm0l03X_rms vs run
χ² / ndf 5.359e+05 / 32
p0 0.01296 ± 3.637e–05
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

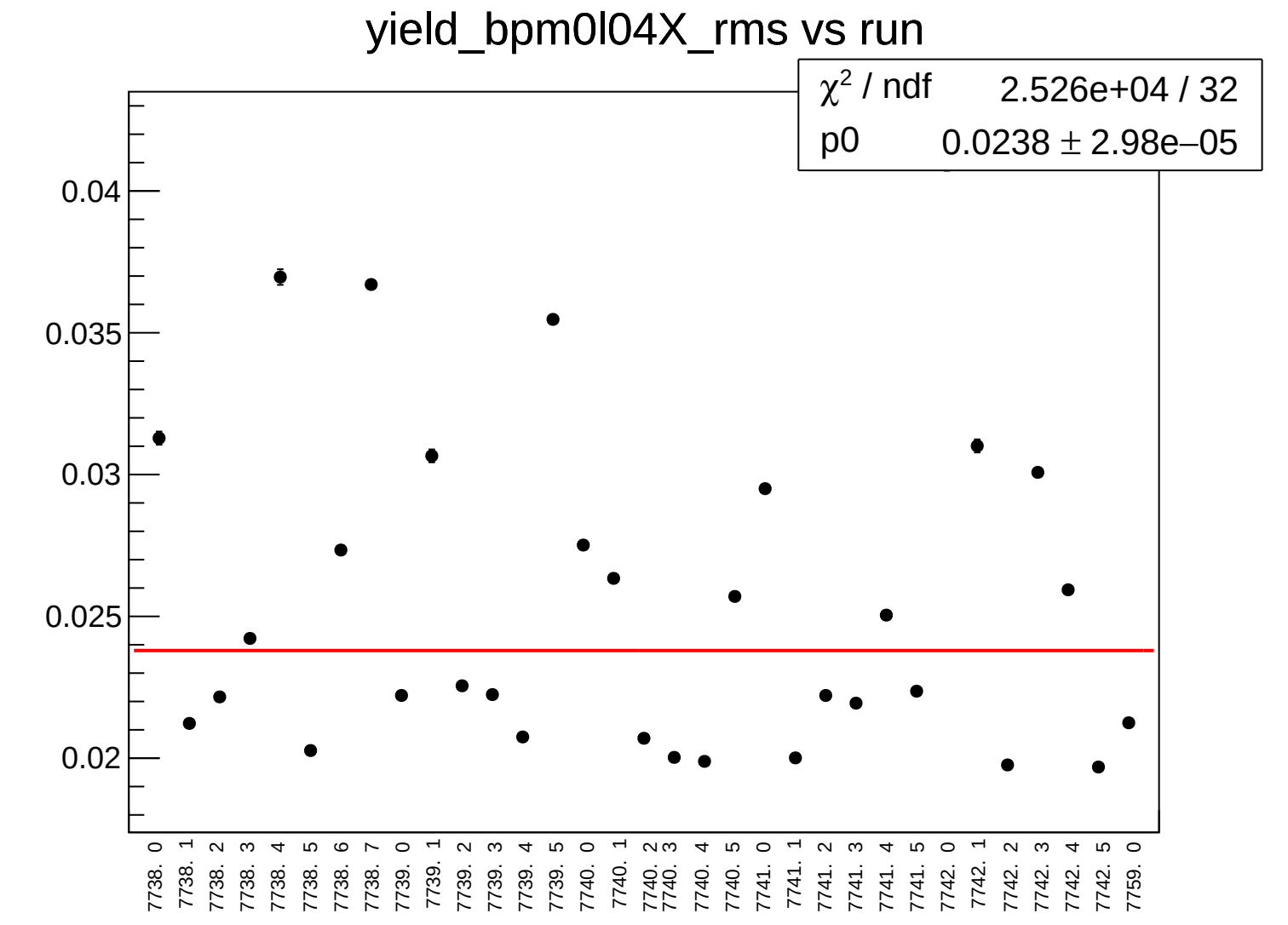

yield_bpm0l03Y_mean vs run
χ² / ndf 4.889e+04 / 32
p0 −0.6431 ± 5.878e−05
−0.54
−0.56
−0.58
−0.6
−0.62
−0.64
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.89
Std Dev 7.569
80
60
40
20
0
−20
−40
−60

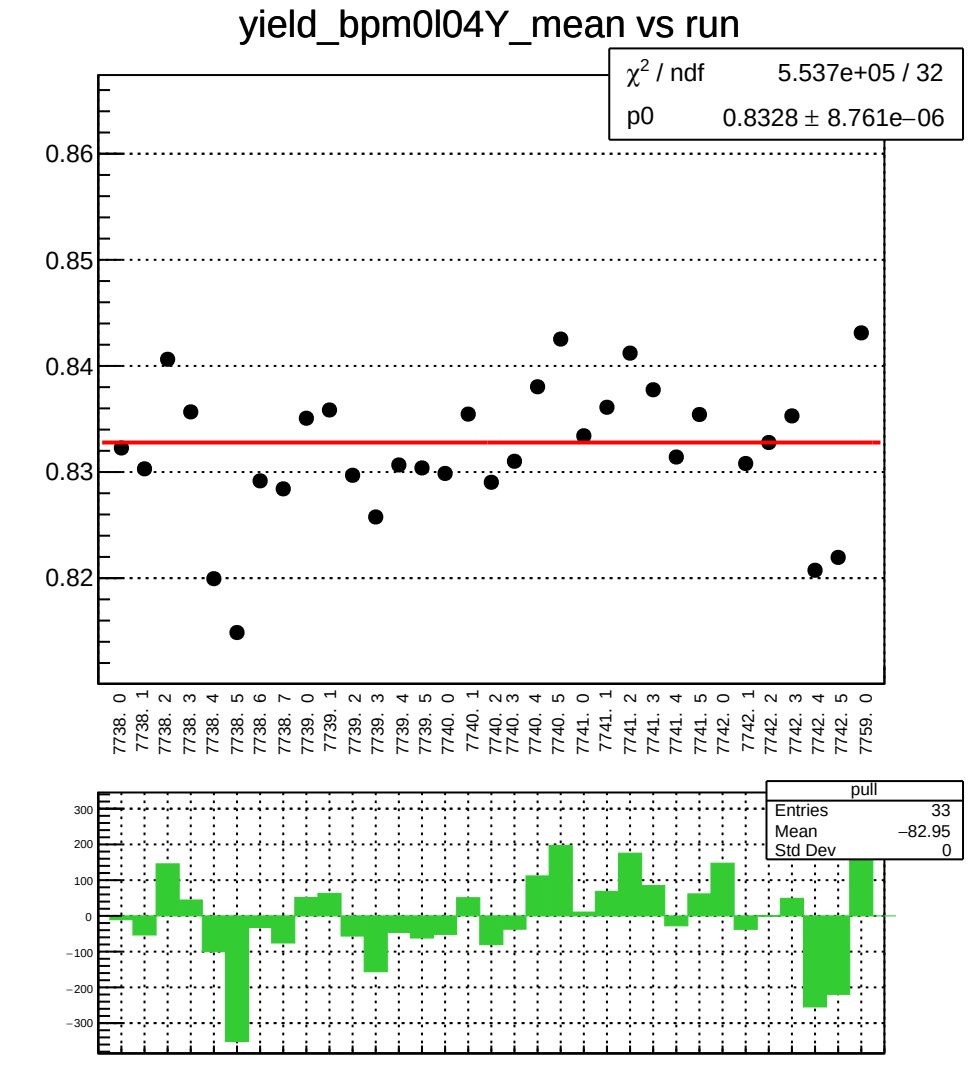

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

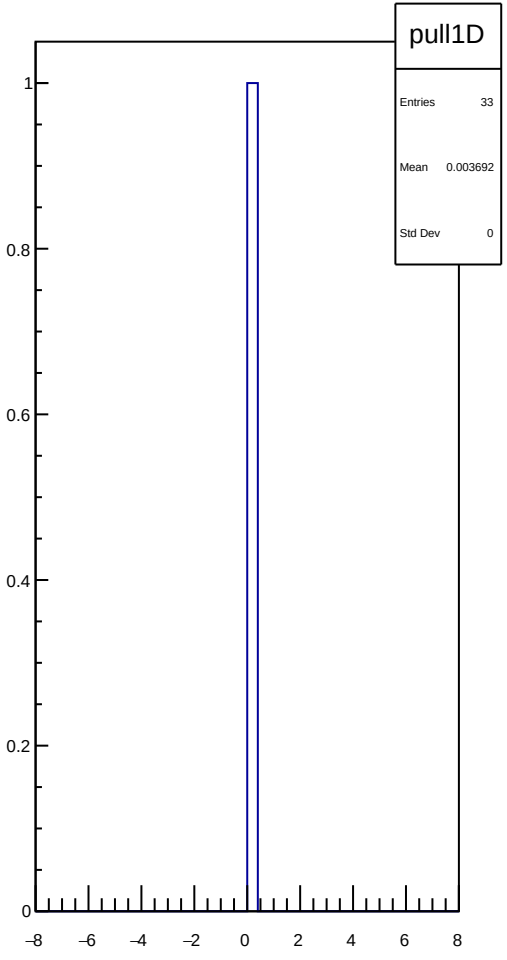

yield_bpm0l03Y_rms vs run
χ² / ndf 5.128e+05 / 32
p0 0.0161 ± 4.157e−05
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

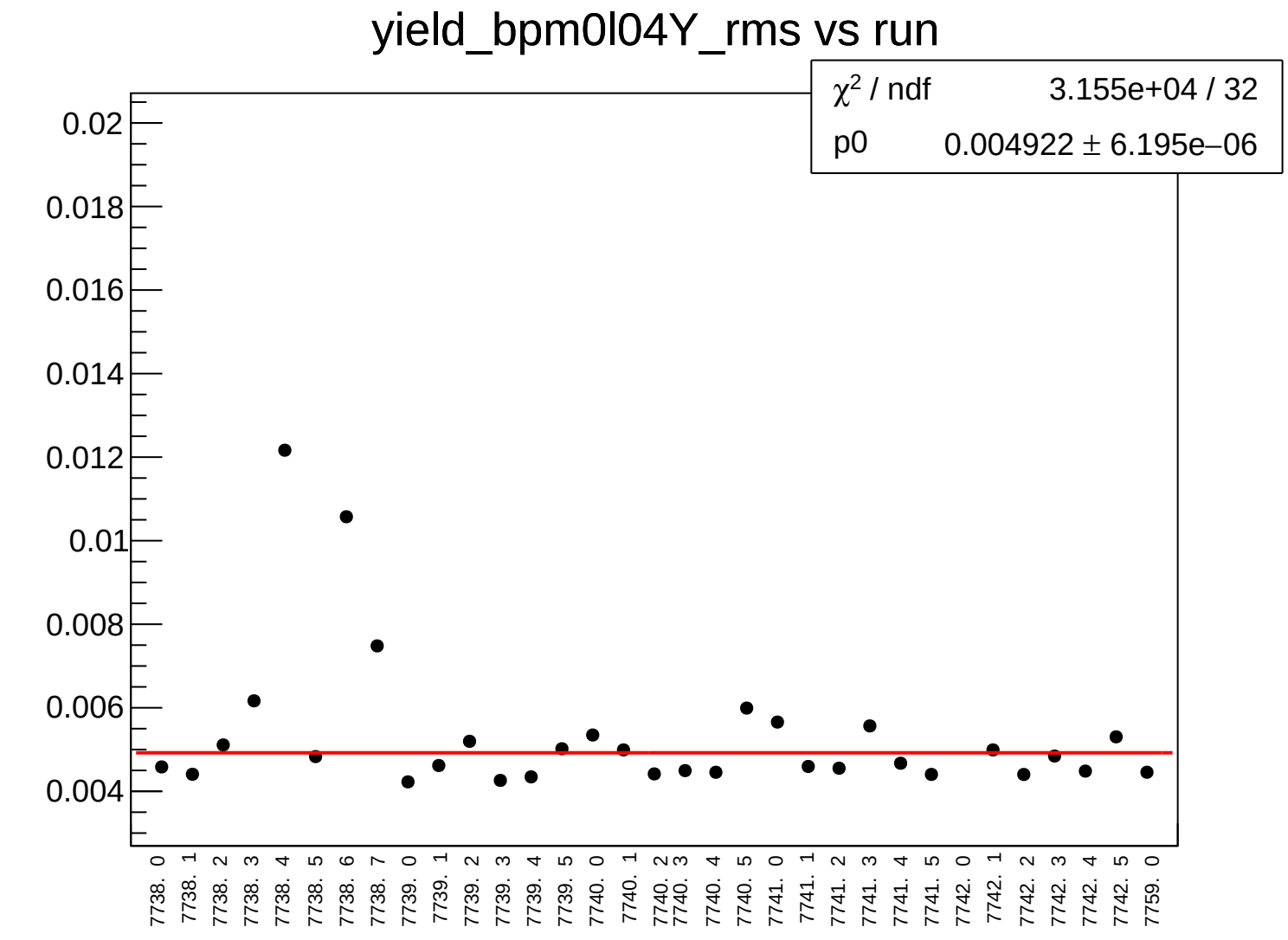

yield_bpm0l04X_mean vs run
χ² / ndf 8.074e+05 / 32
p0 1.356 ± 4.215e−05
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 525.8
Std Dev 0
300
200
100
0
−100
−200

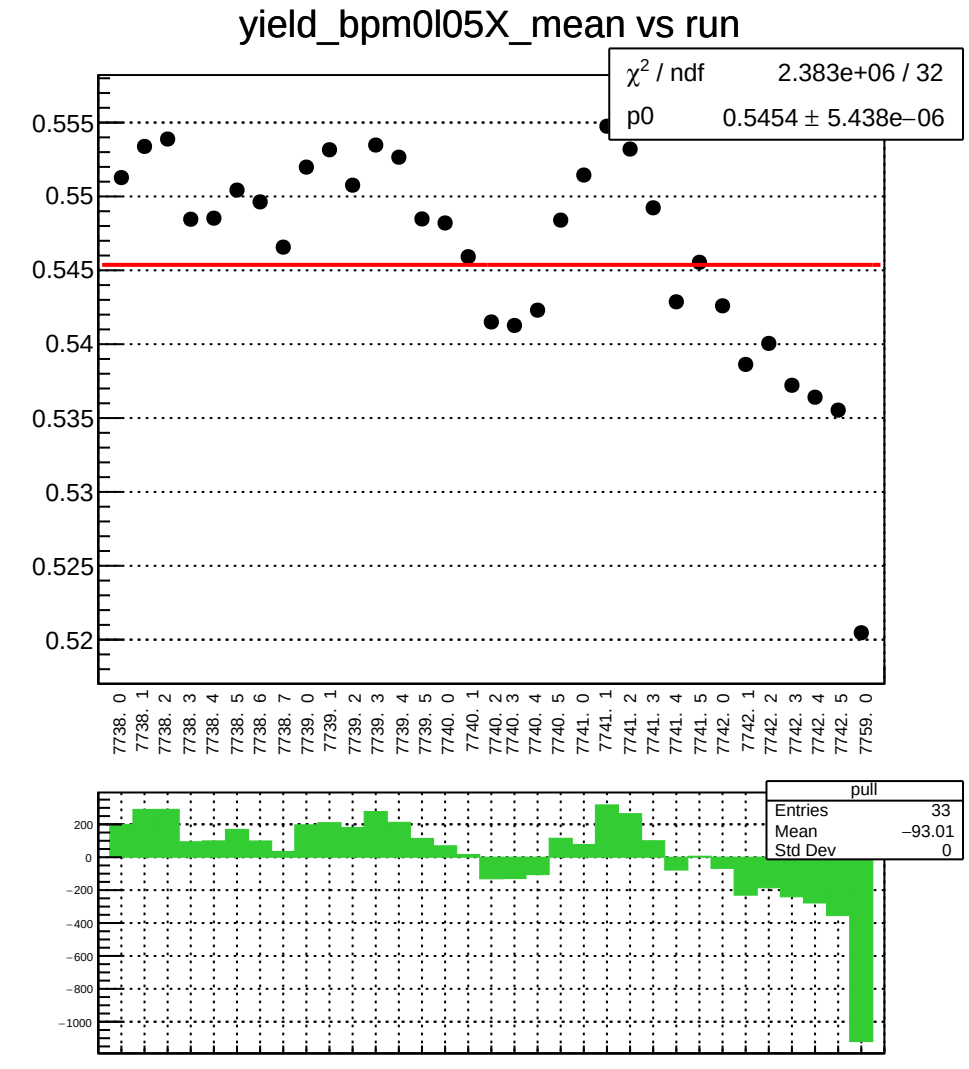

pull1D
Entries 33
Mean 6.654
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

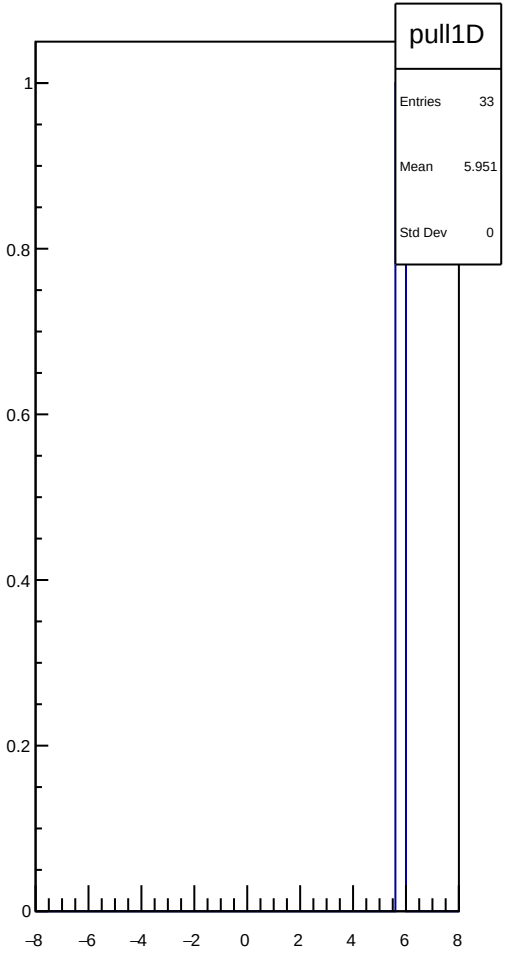

yield_bpm0l04X_rms vs run
χ² / ndf 2.526e+04 / 32
p0 0.0238 ± 2.98e−05
0.04
0.035
0.03
0.025
0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

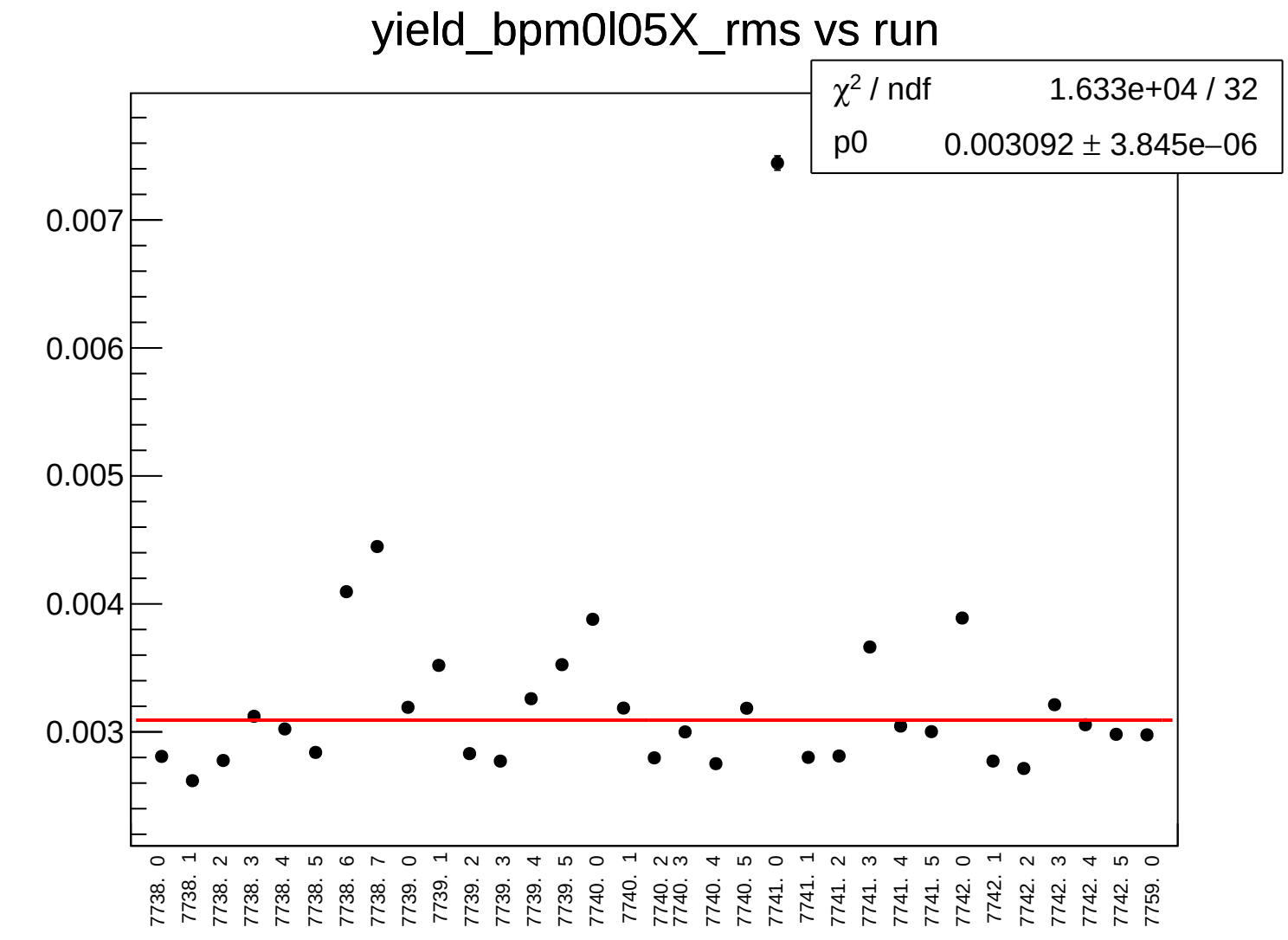

yield_bpm0l04Y_mean vs run
χ² / ndf 5.537e+05 / 32
p0 0.8328 ± 8.761e−06
0.86
0.85
0.84
0.83
0.82
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −82.95
Std Dev 0
300
200
100
0
−100
−200
−300

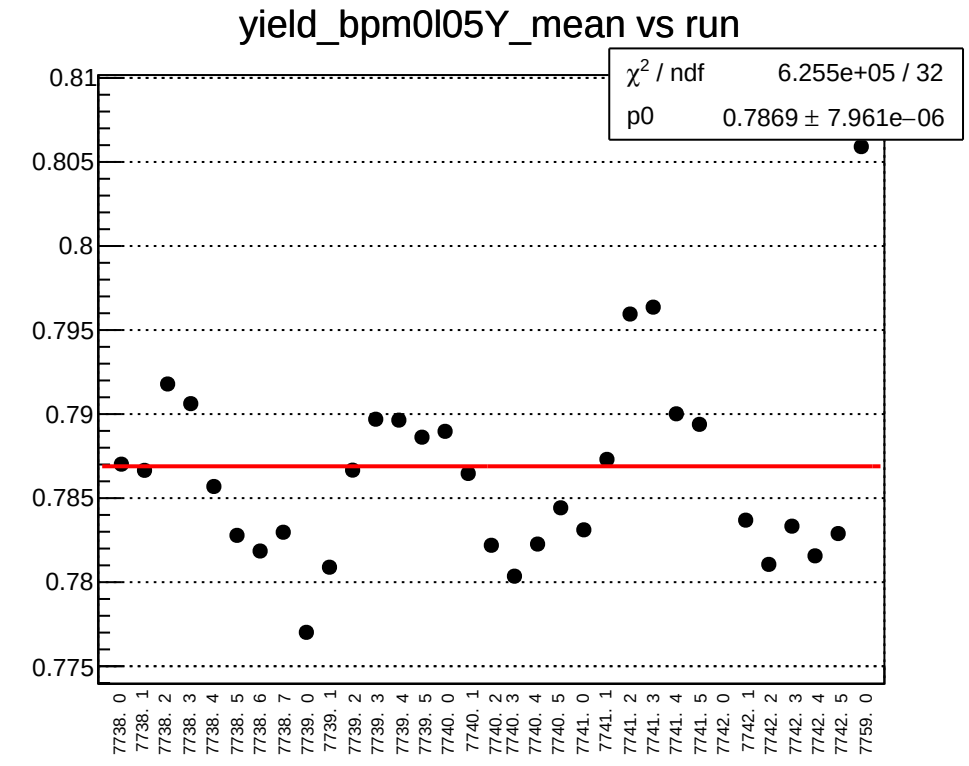

pull1D
Entries 33
Mean 0.003692
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

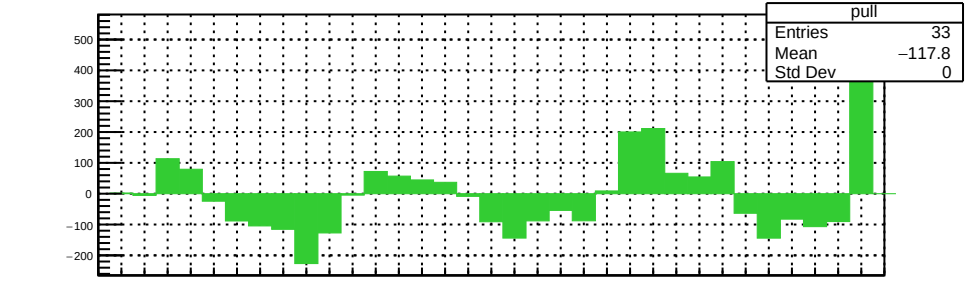

yield_bpm0l04Y_rms vs run
χ² / ndf 3.155e+04 / 32
p0 0.004922 ± 6.195e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

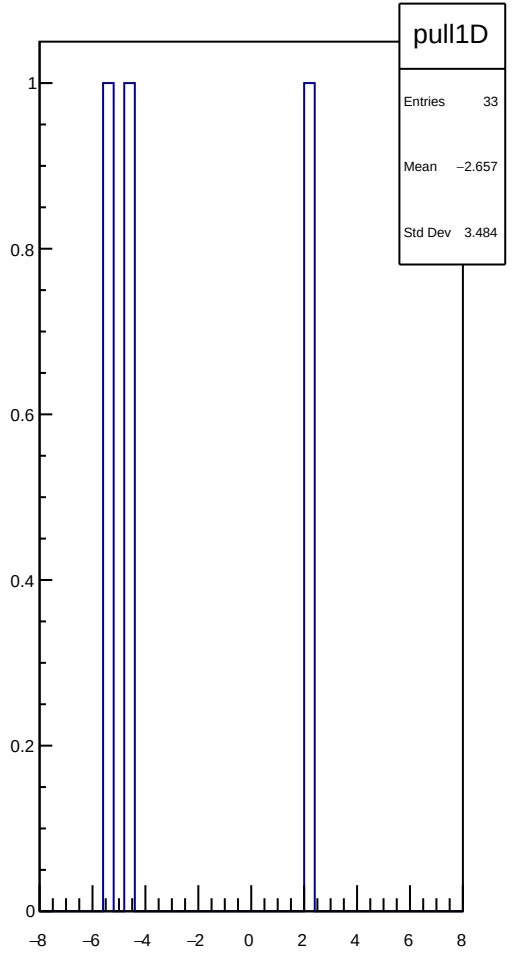

yield_bpm0l05X_mean vs run
χ² / ndf 2.383e+06 / 32
p0 0.5454 ± 5.438e−06
0.555
0.55
0.545
0.54
0.535
0.53
0.525
0.52
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −93.01
Std Dev 0
200
0
−200
−400
−600
−800
−1000

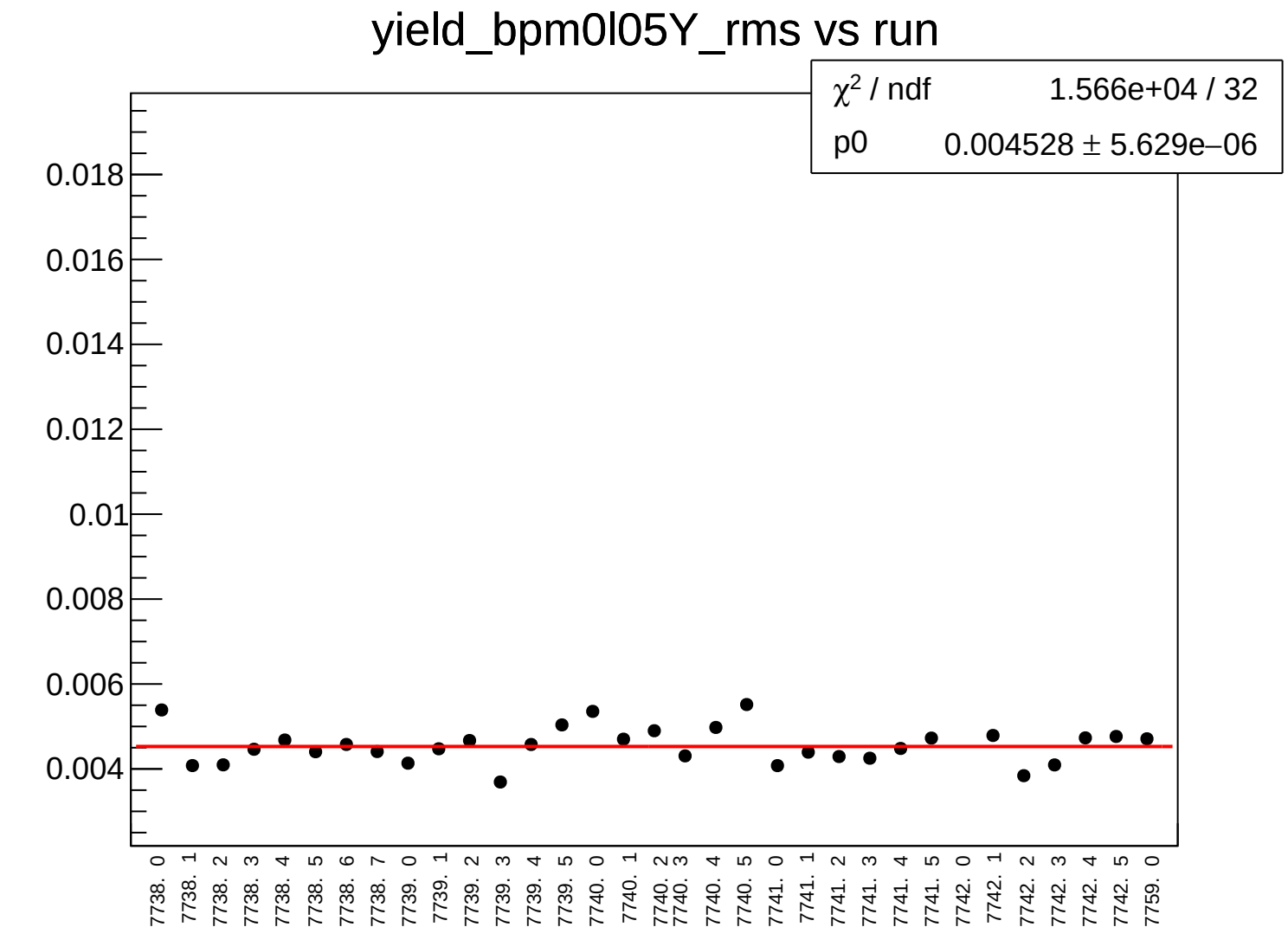

pull1D
Entries 33
Mean 5.951
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

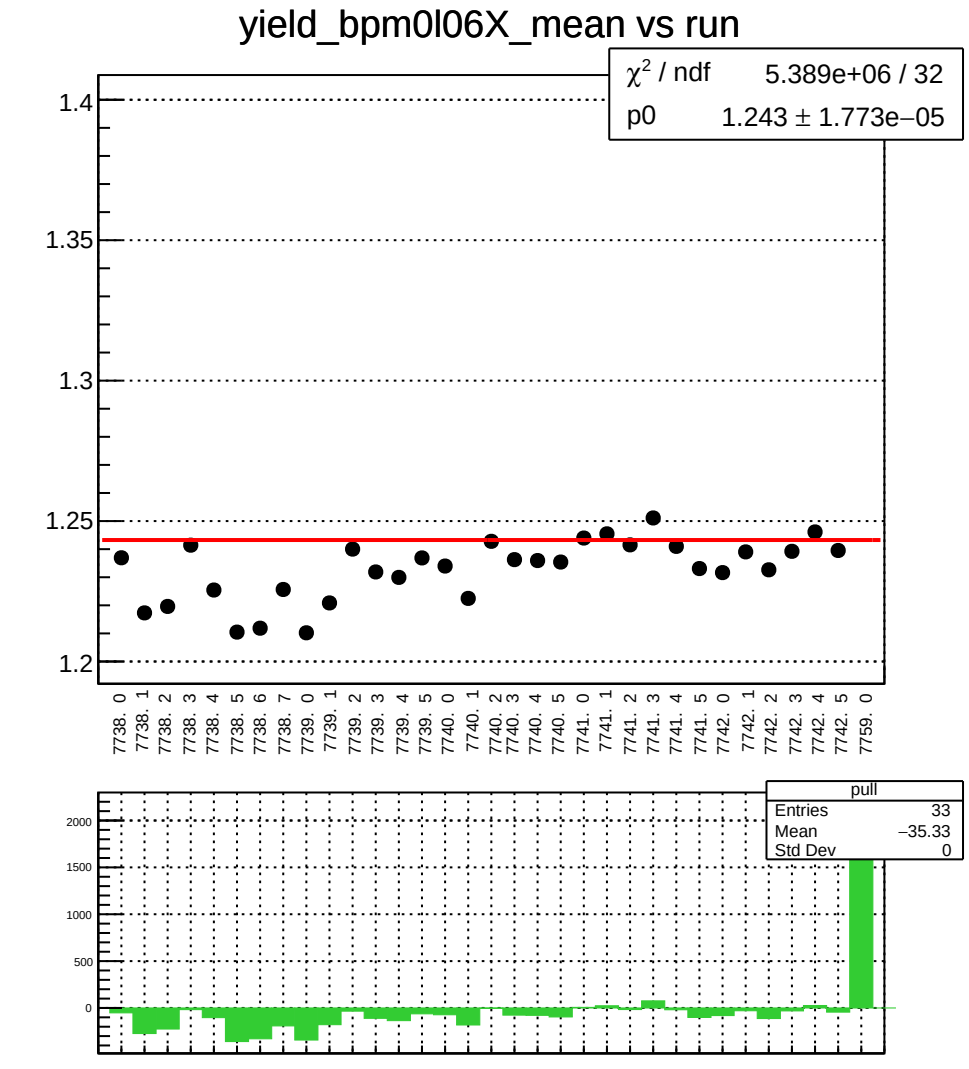

yield_bpm0l05X_rms vs run
χ² / ndf 1.633e+04 / 32
p0 0.003092 ± 3.845e−06
0.007
0.006
0.005
0.004
0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

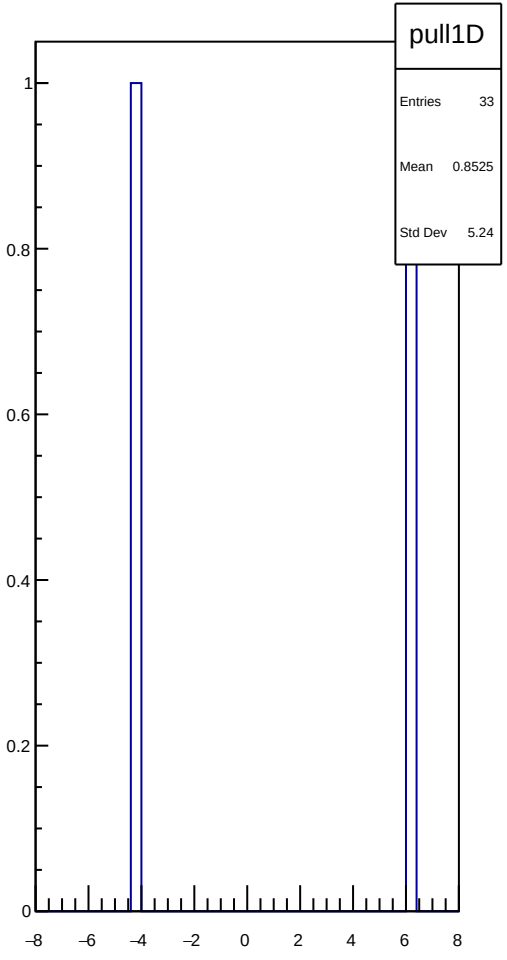

yield_bpm0l05Y_mean vs run
χ² / ndf 6.255e+05 / 32
p0 0.7869 ± 7.961e−06
0.81
0.805
0.8
0.795
0.79
0.785
0.78
0.775
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

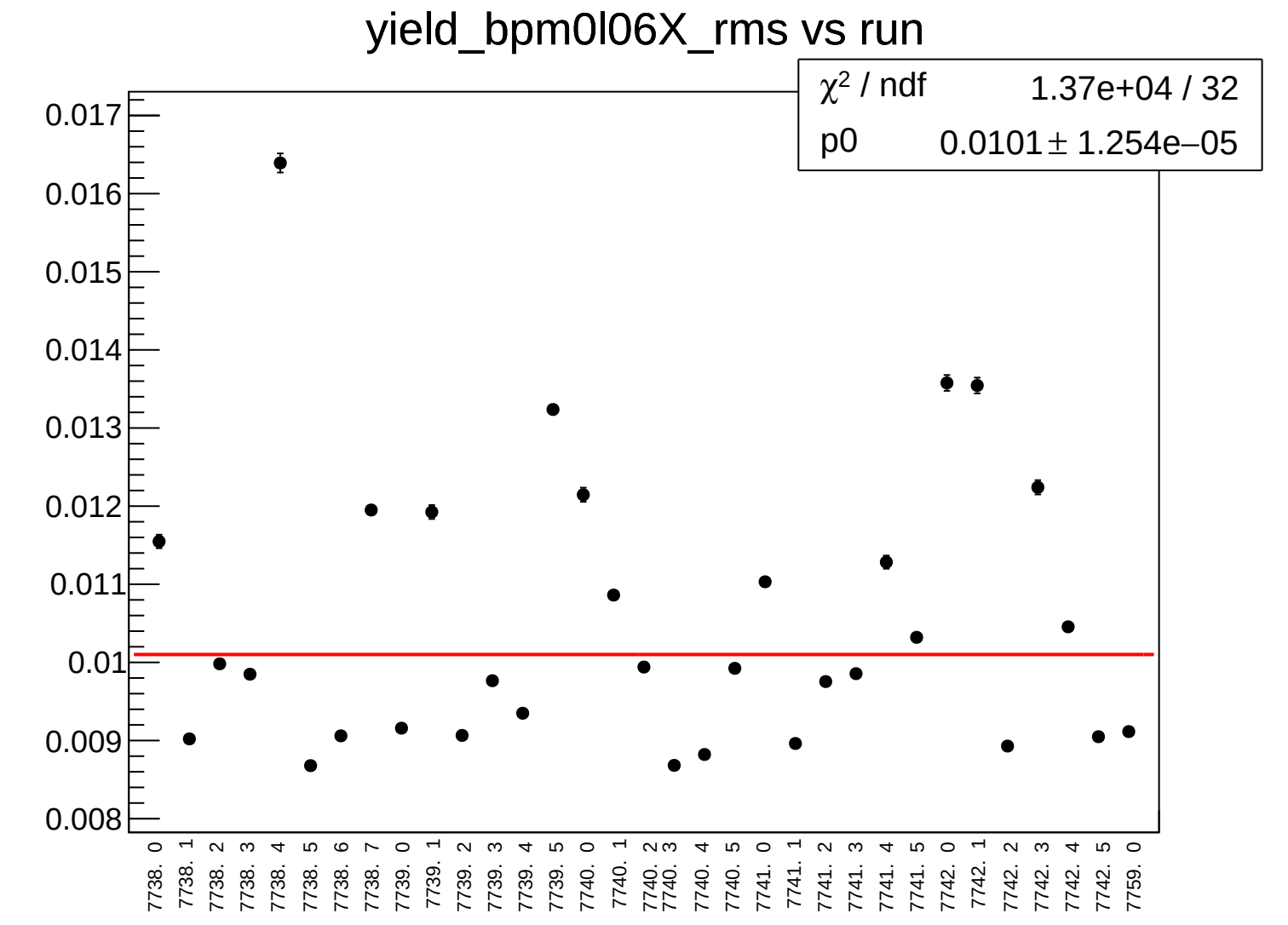

pull
Entries 33
Mean −117.8
Std Dev 0
500
400
300
200
100
0
−100
−200

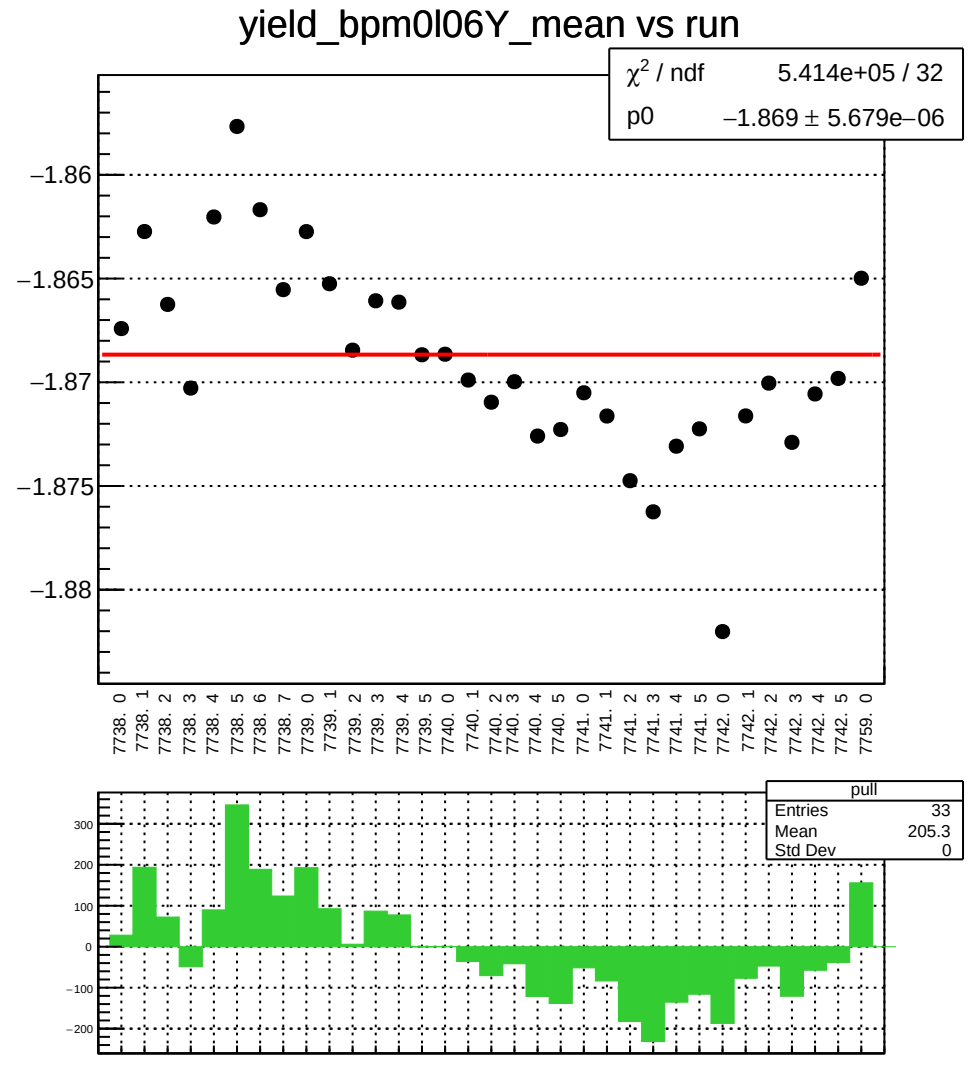

pull1D
Entries 33
Mean −2.657
Std Dev 3.484
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

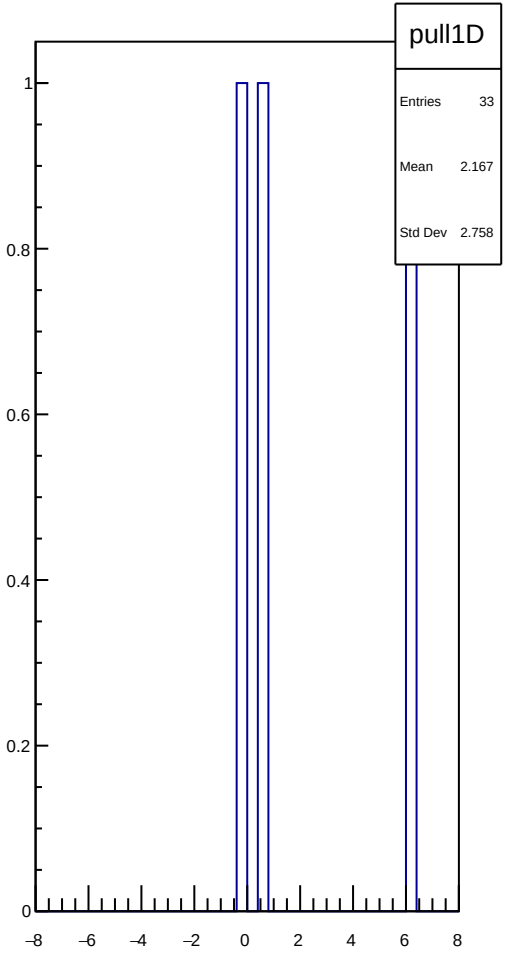

yield_bpm0l05Y_rms vs run
χ² / ndf 1.566e+04 / 32
p0 0.004528 ± 5.629e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

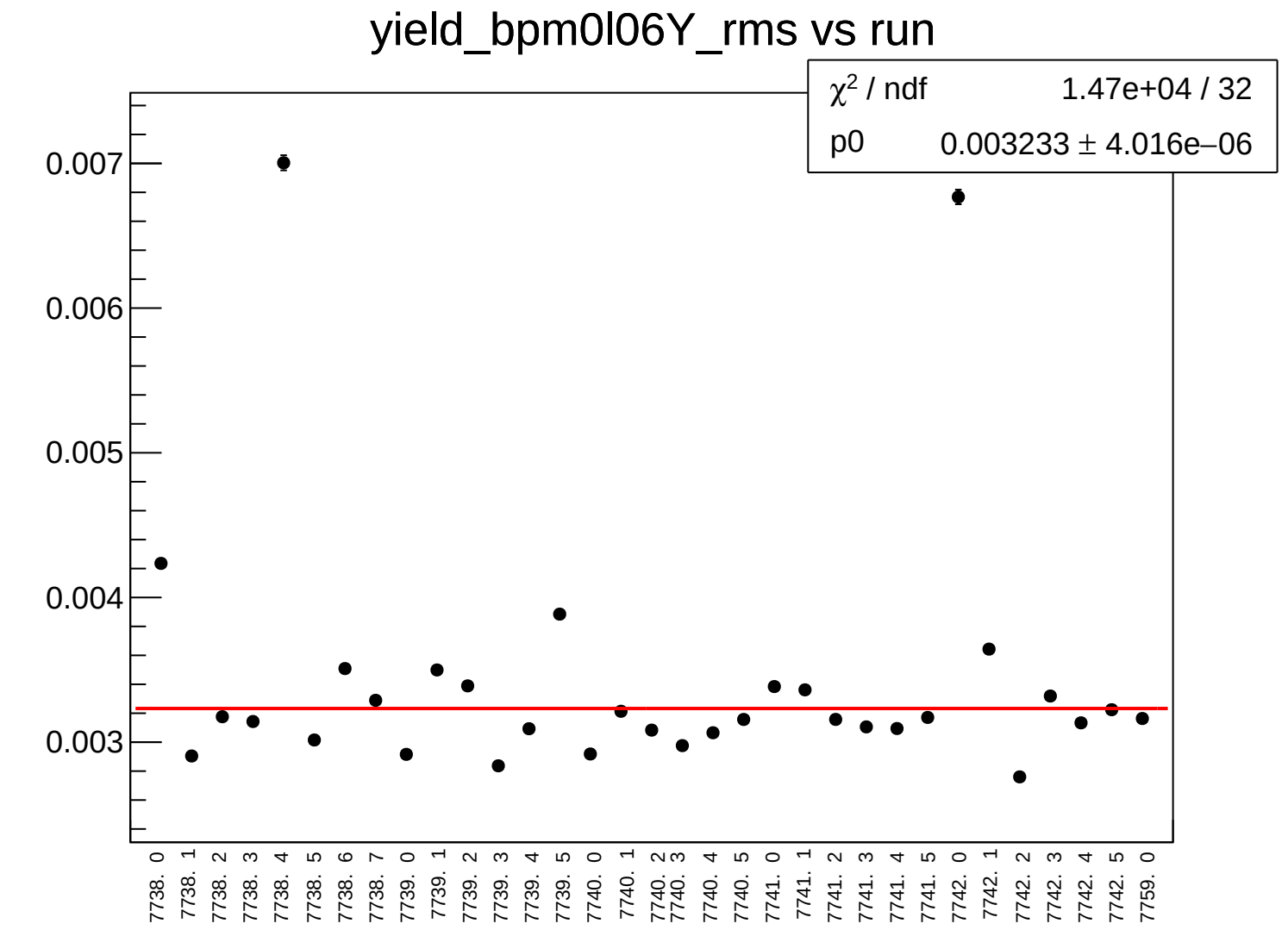

yield_bpm0l06X_mean vs run
χ² / ndf 5.389e+06 / 32
p0 1.243 ± 1.773e−05
1.4
1.35
1.3
1.25
1.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −35.33
Std Dev 0
2000
1500
1000
500
0

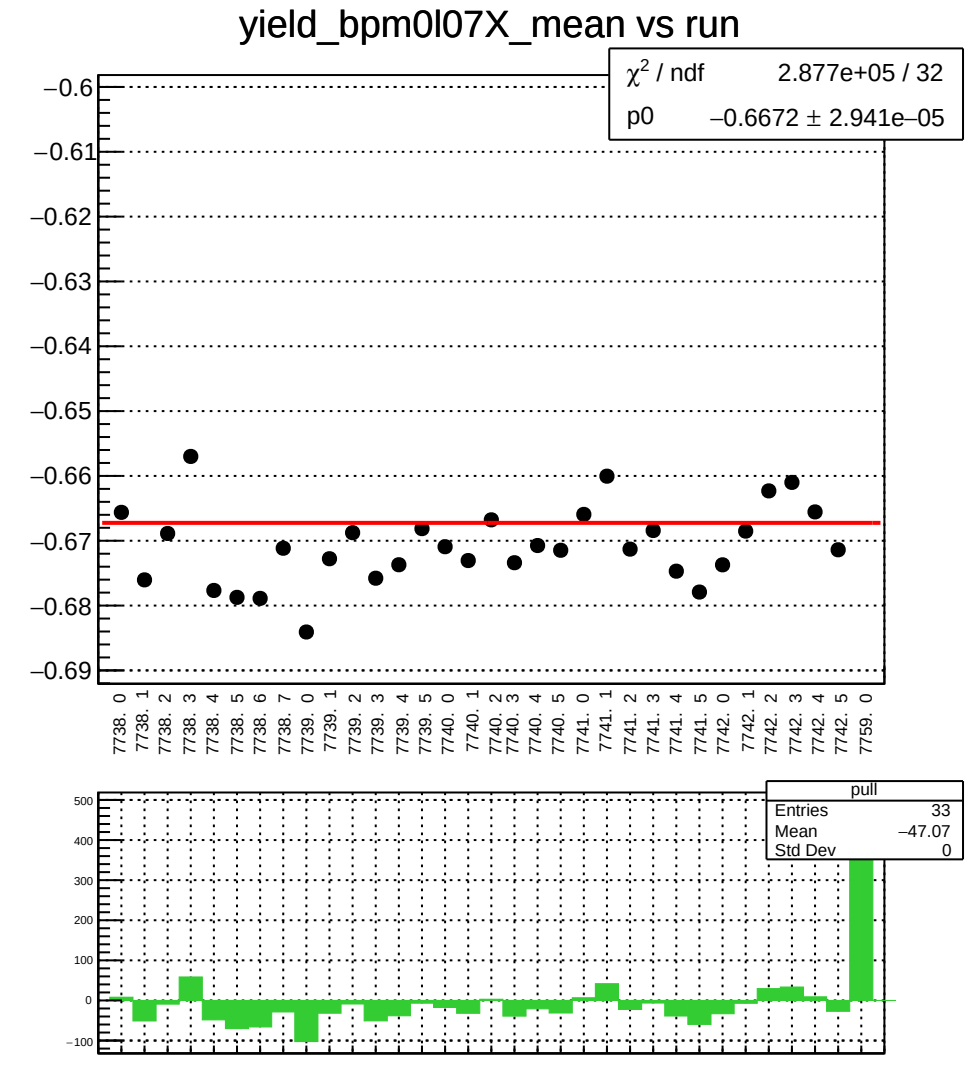

pull1D
Entries 33
Mean 0.8525
Std Dev 5.24
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

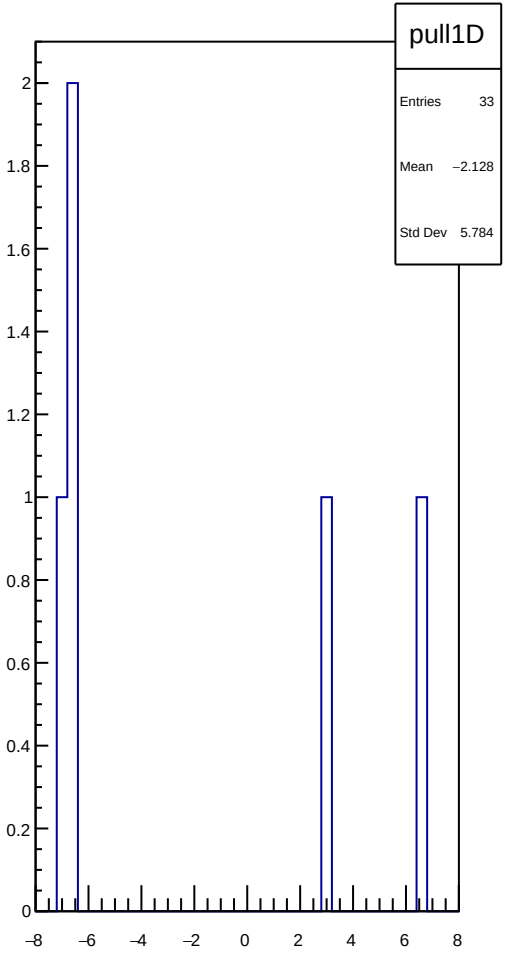

yield_bpm0l06X_rms vs run
χ² / ndf 1.37e+04 / 32
p0 0.0101 ± 1.254e−05
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

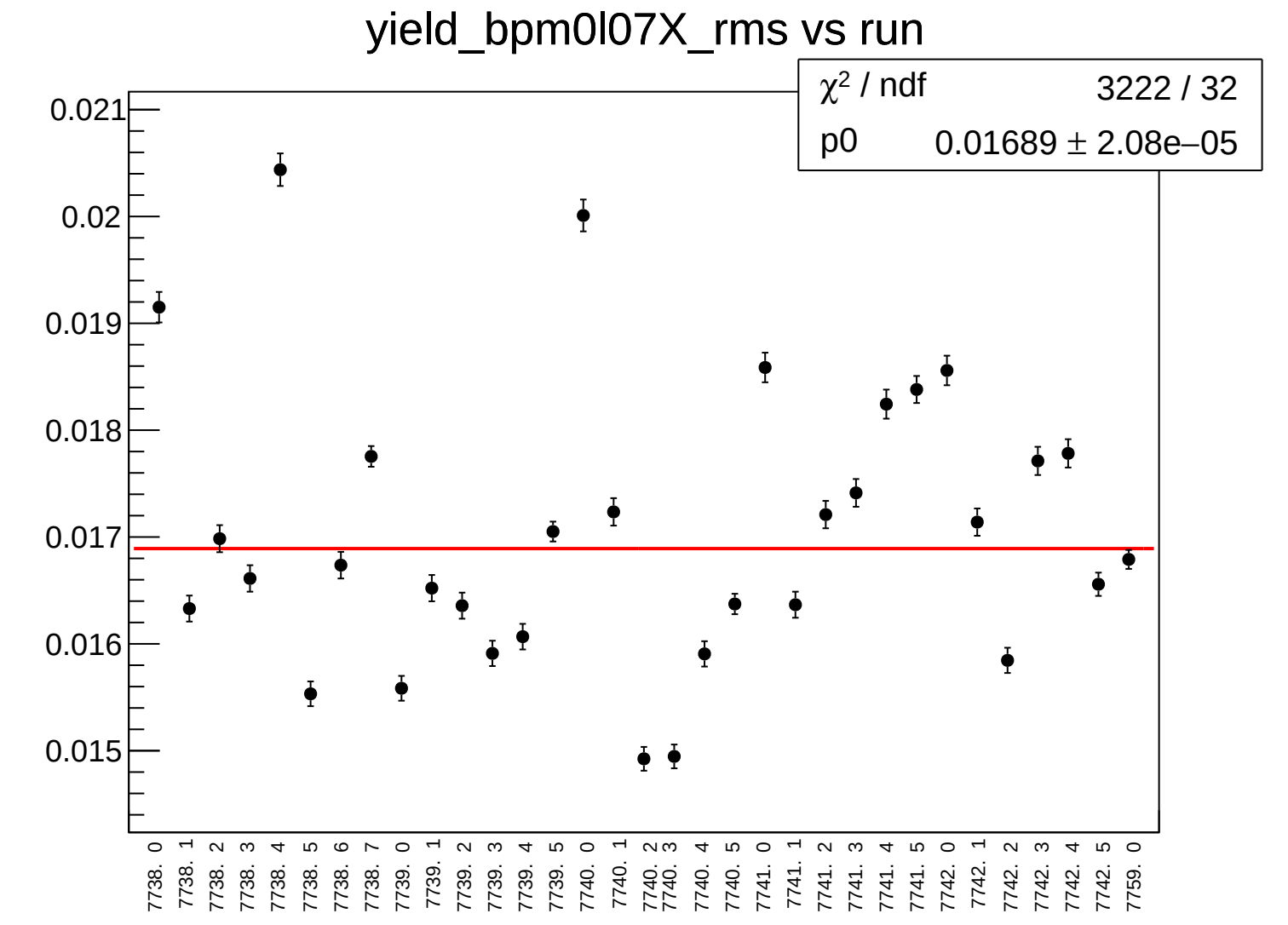

yield_bpm0l06Y_mean vs run
χ² / ndf 5.414e+05 / 32
p0 −1.869 ± 5.679e−06
−1.86
−1.865
−1.87
−1.875
−1.88
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 205.3
Std Dev 0
300
200
100
0
−100
−200

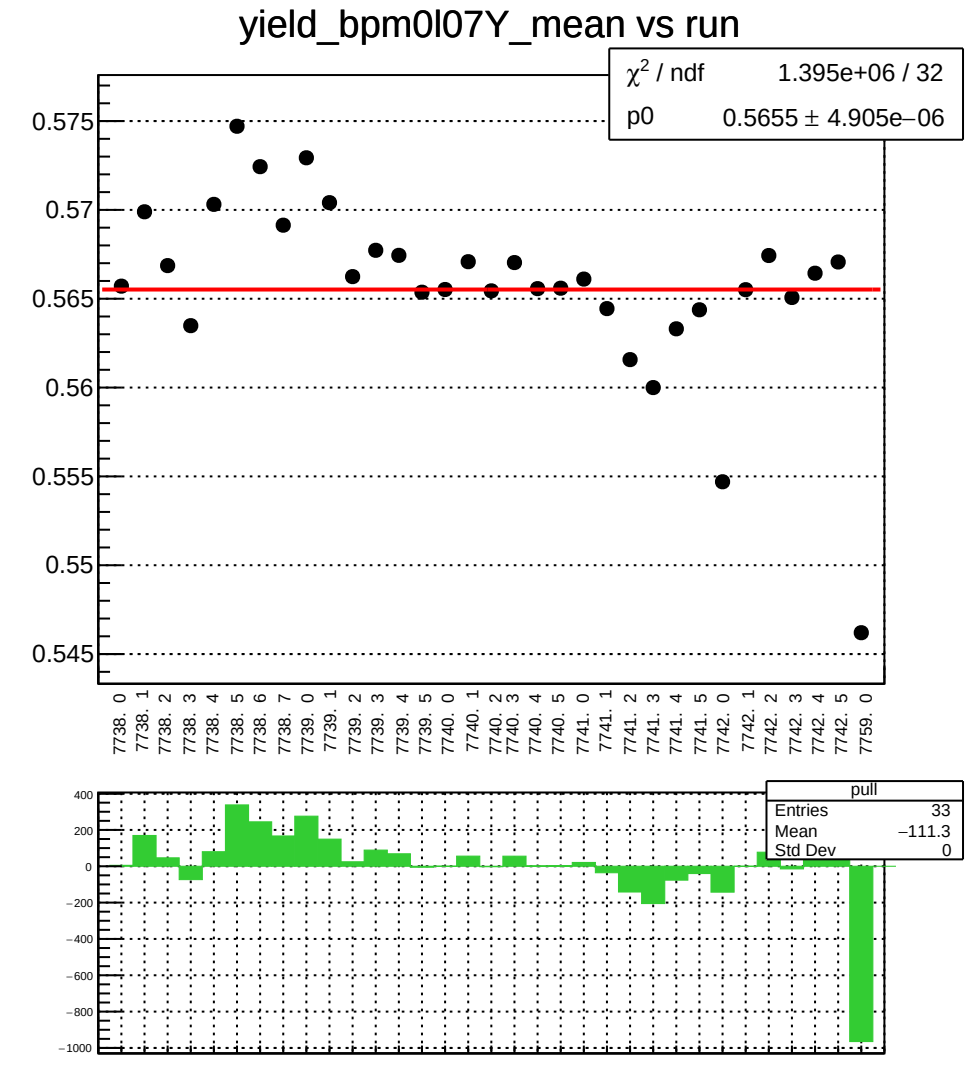

pull1D
Entries 33
Mean 2.167
Std Dev 2.758
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

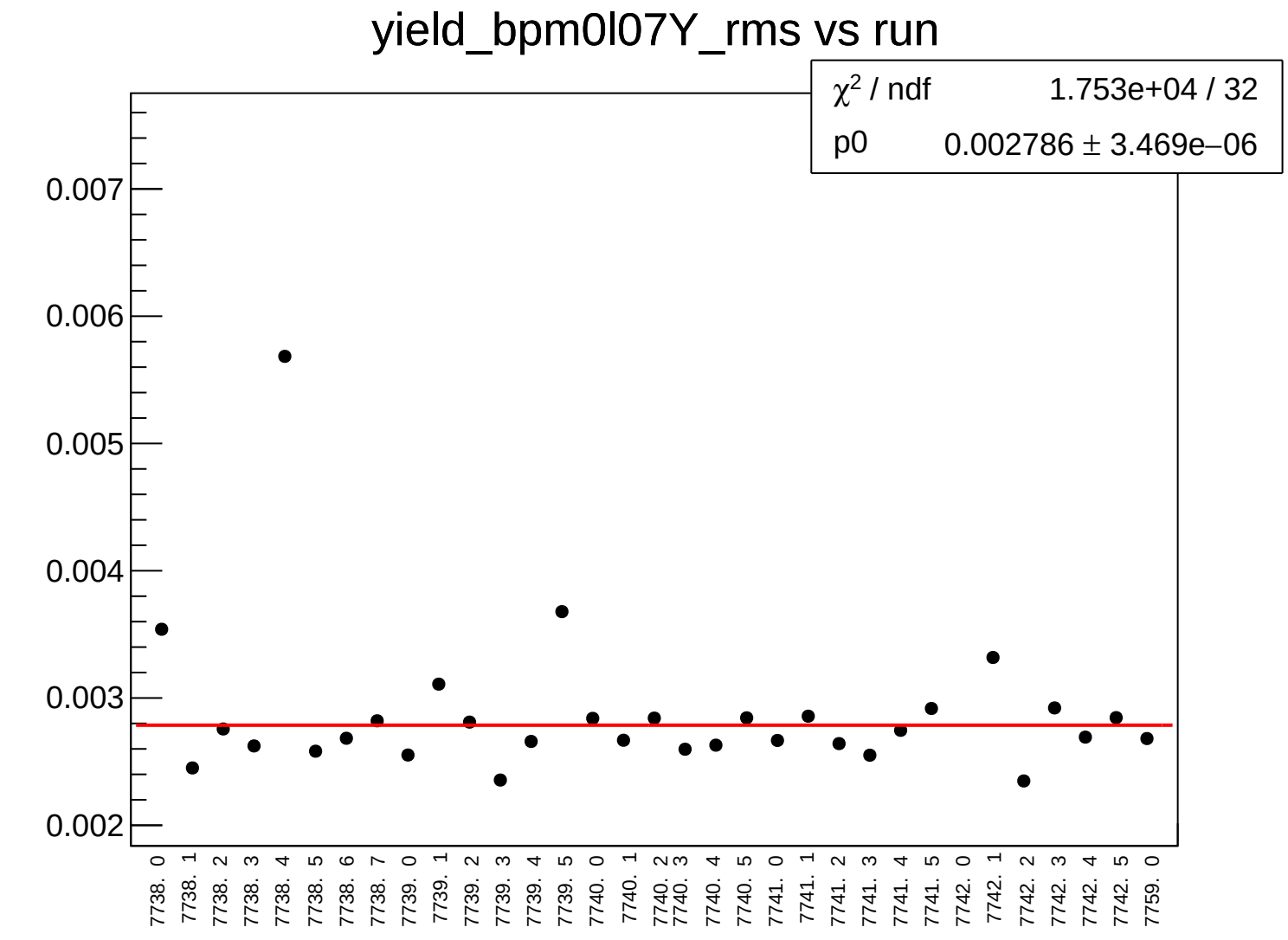

yield_bpm0l06Y_rms vs run
χ² / ndf 1.47e+04 / 32
p0 0.003233 ± 4.016e−06
0.007
0.006
0.005
0.004
0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

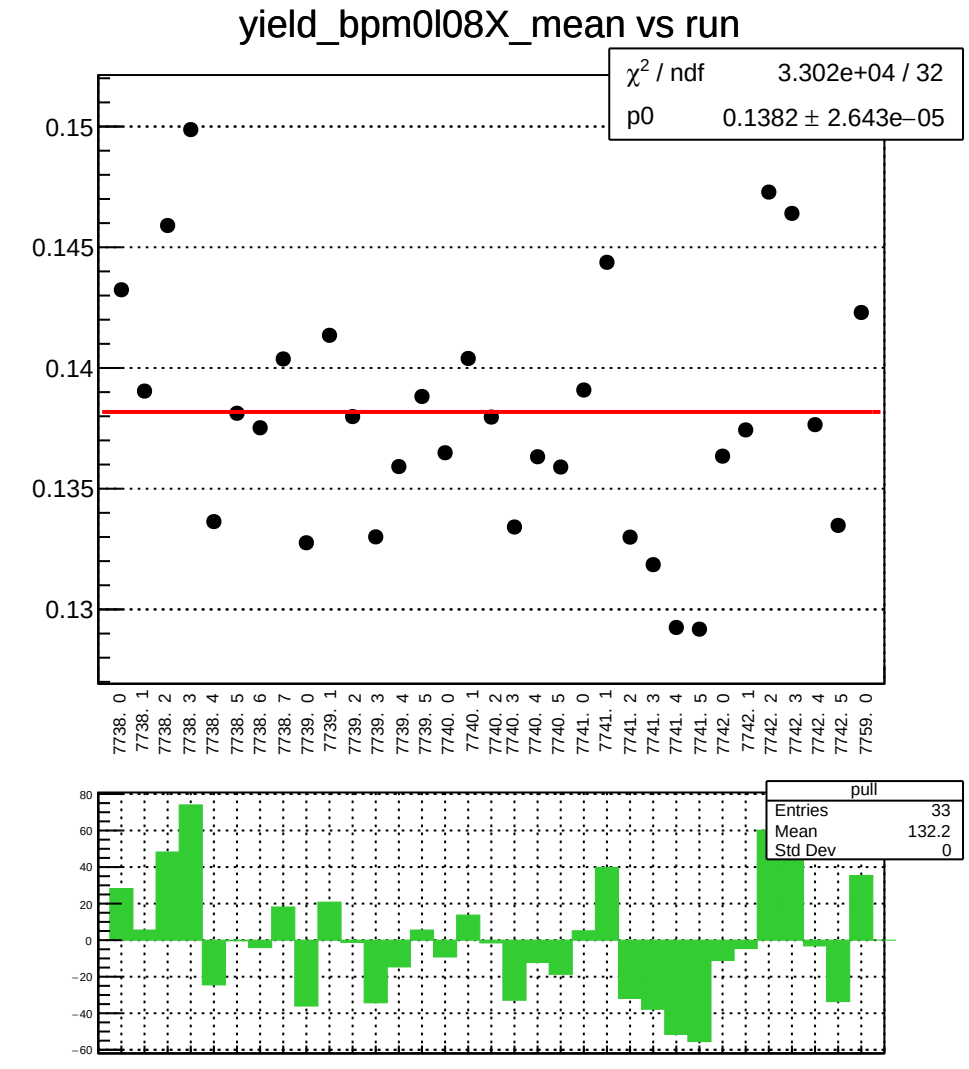

yield_bpm0l07X_mean vs run
χ² / ndf 2.877e+05 / 32
p0 −0.6672 ± 2.941e−05
pull
Entries 33
Mean −47.07
Std Dev 0

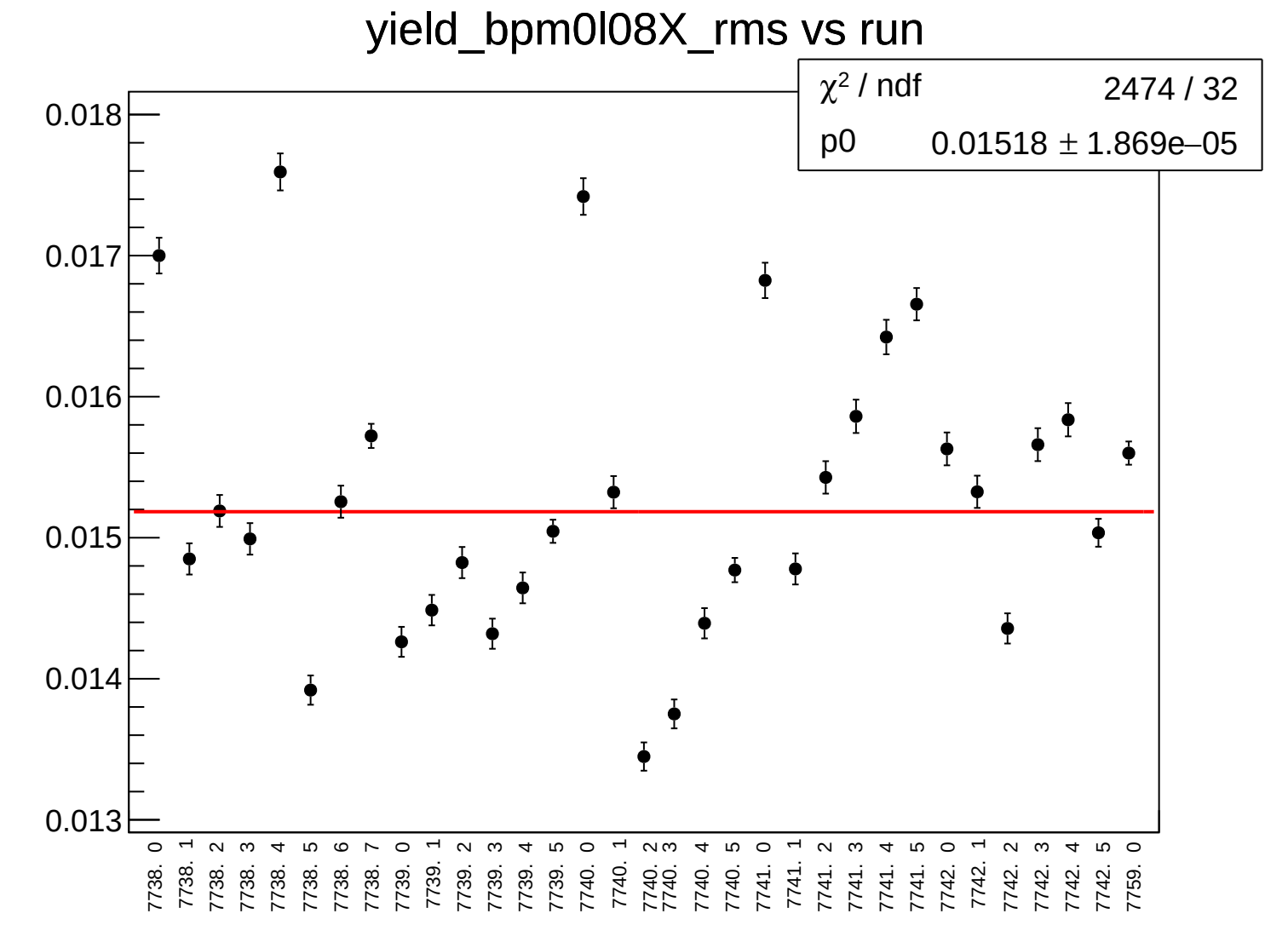

pull1D
Entries 33
Mean −2.128
Std Dev 5.784

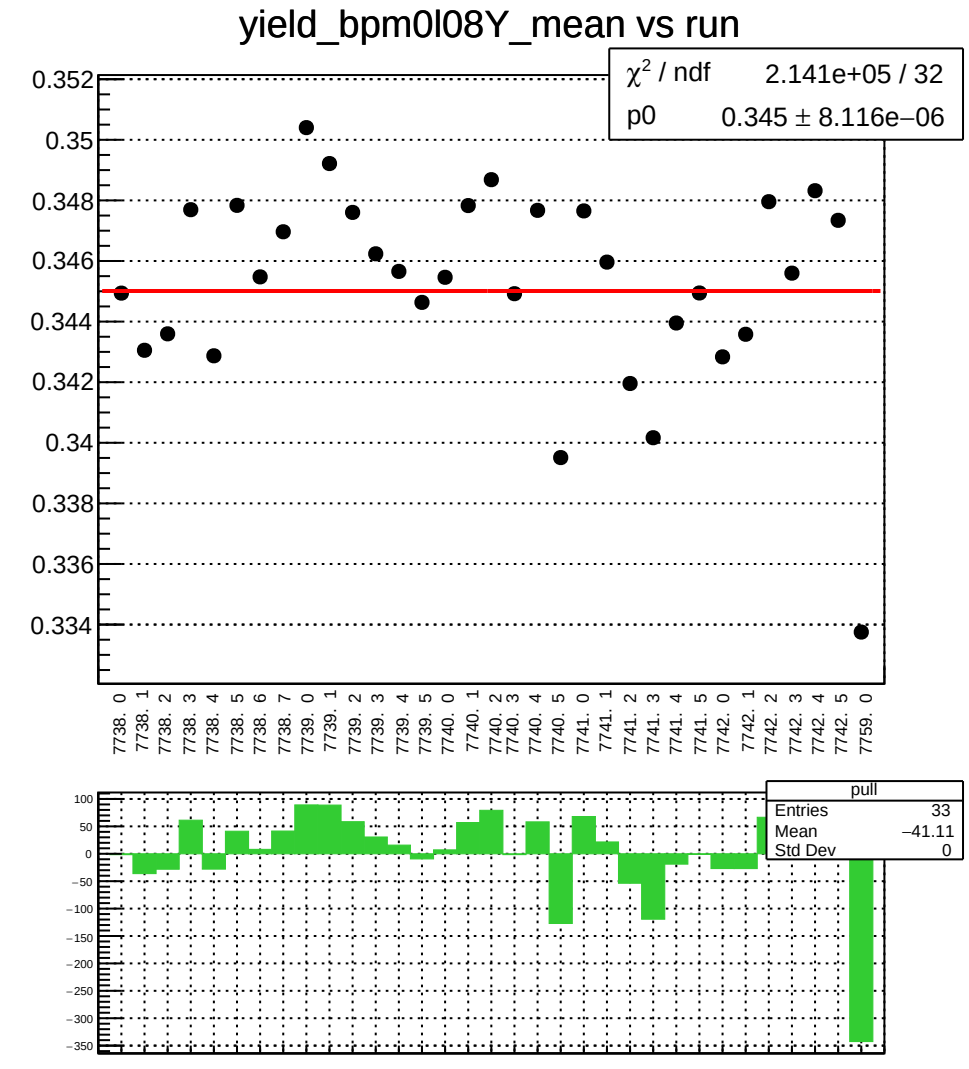

yield_bpm0l07X_rms vs run
χ² / ndf 3222 / 32
p0 0.01689 ± 2.08e−05
0.021
0.02
0.019
0.018
0.017
0.016
0.015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

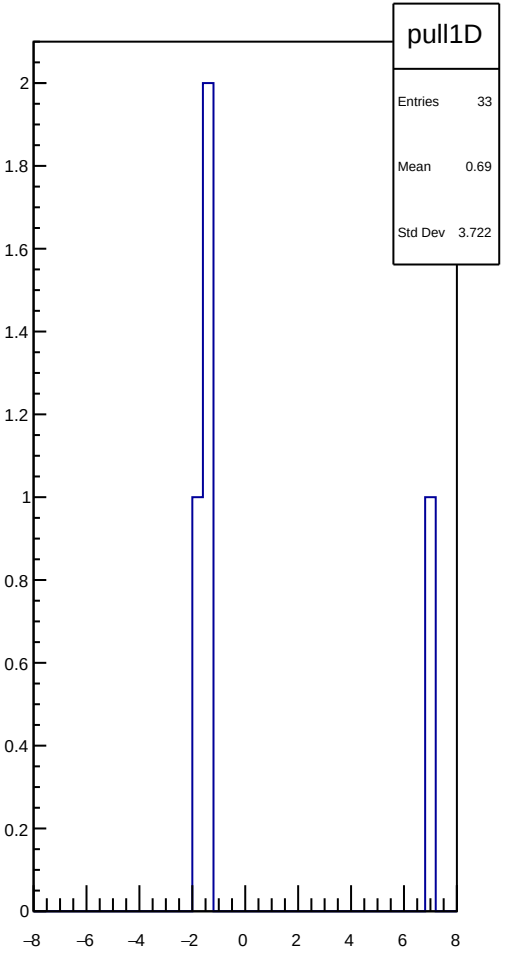

yield_bpm0l07Y_mean vs run
χ² / ndf 1.395e+06 / 32
p0 0.5655 ± 4.905e−06
0.575
0.57
0.565
0.56
0.555
0.55
0.545
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −111.3
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 33
Mean 0.2961
Std Dev 3.237
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

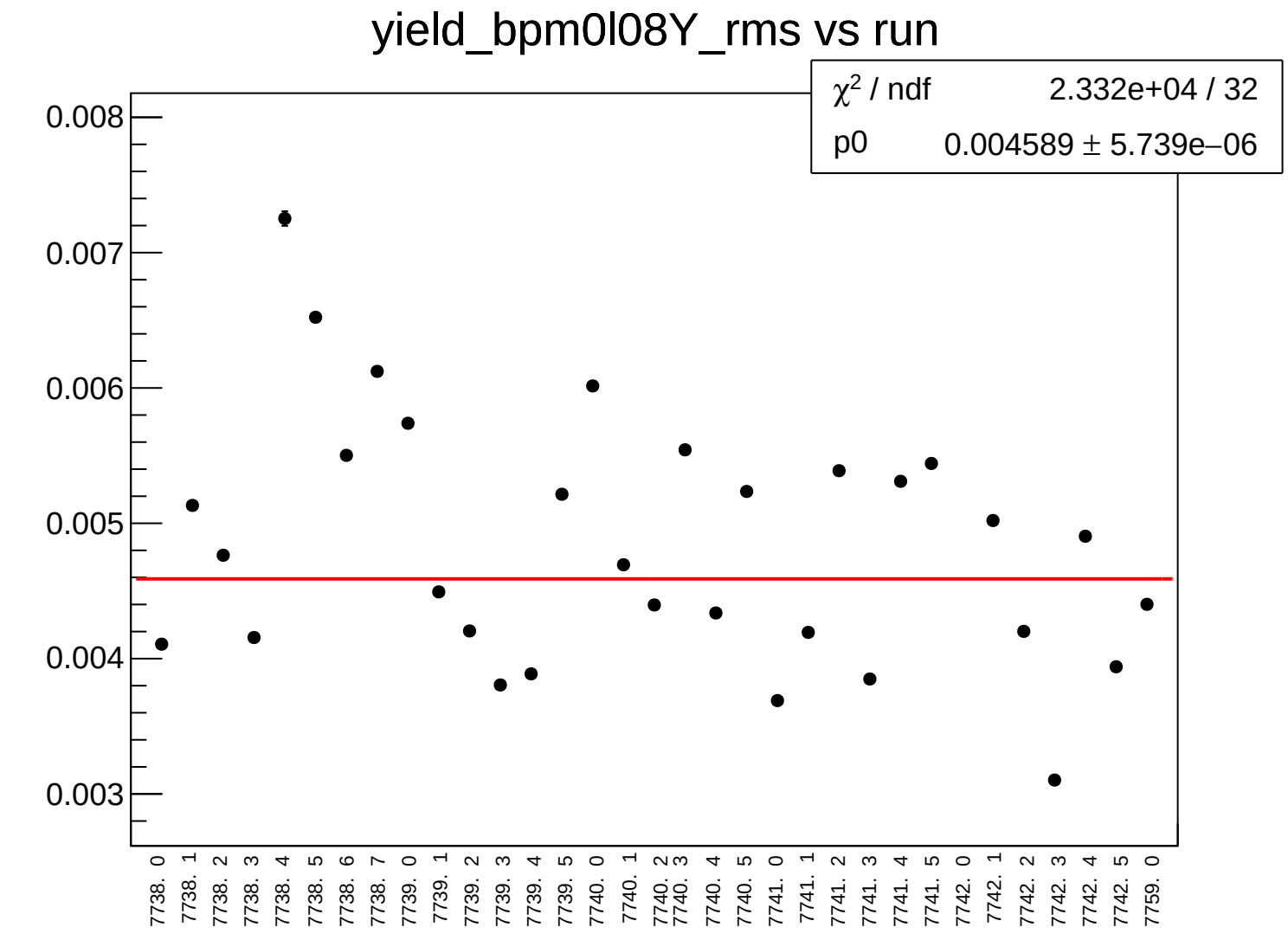

yield_bpm0l07Y_rms vs run
χ² / ndf 1.753e+04 / 32
p0 0.002786 ± 3.469e−06
0.007
0.006
0.005
0.004
0.003
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

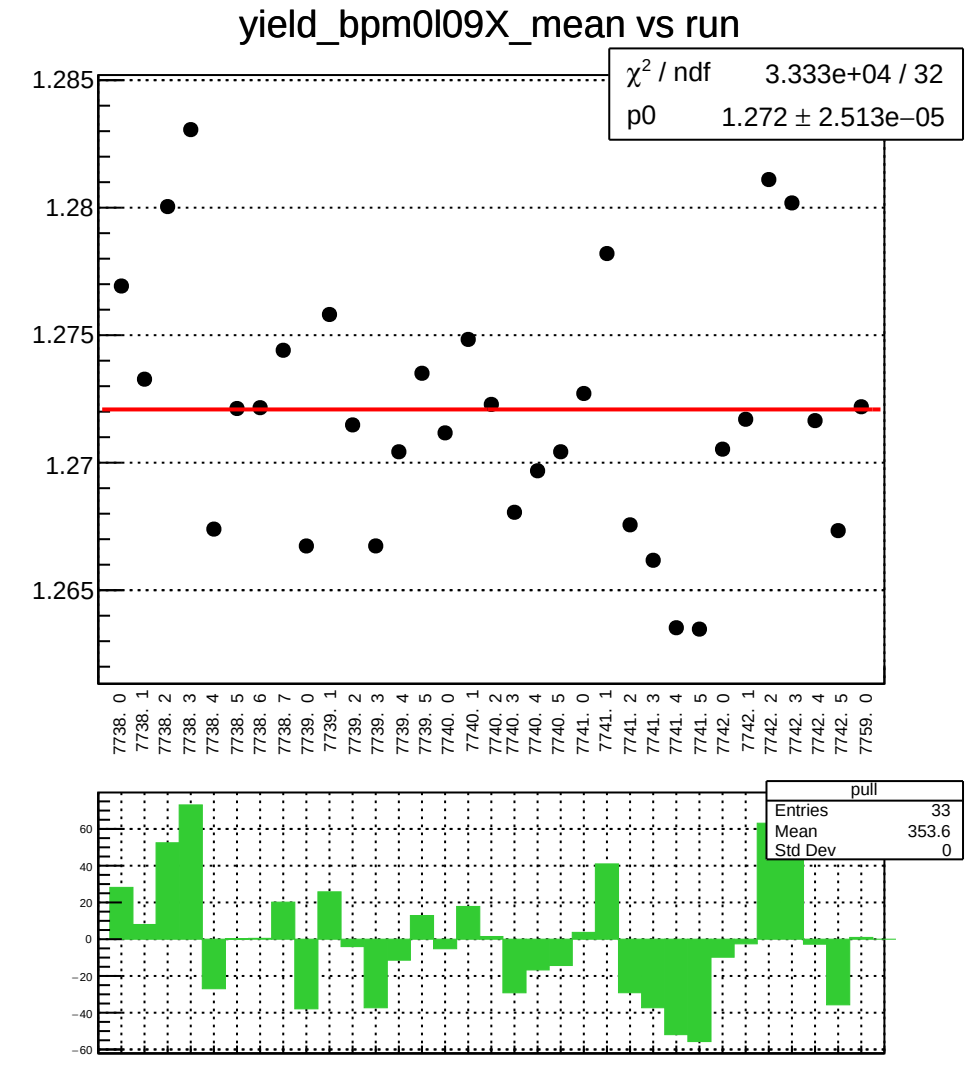

yield_bpm0l08X_mean vs run
χ² / ndf 3.302e+04 / 32
p0 0.1382 ± 2.643e−05
0.15
0.145
0.14
0.135
0.13
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 132.2
Std Dev 0
80
60
40
20
0
−20
−40
−60
pull1D
Entries 33
Mean 0.1415
Std Dev 3.929
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

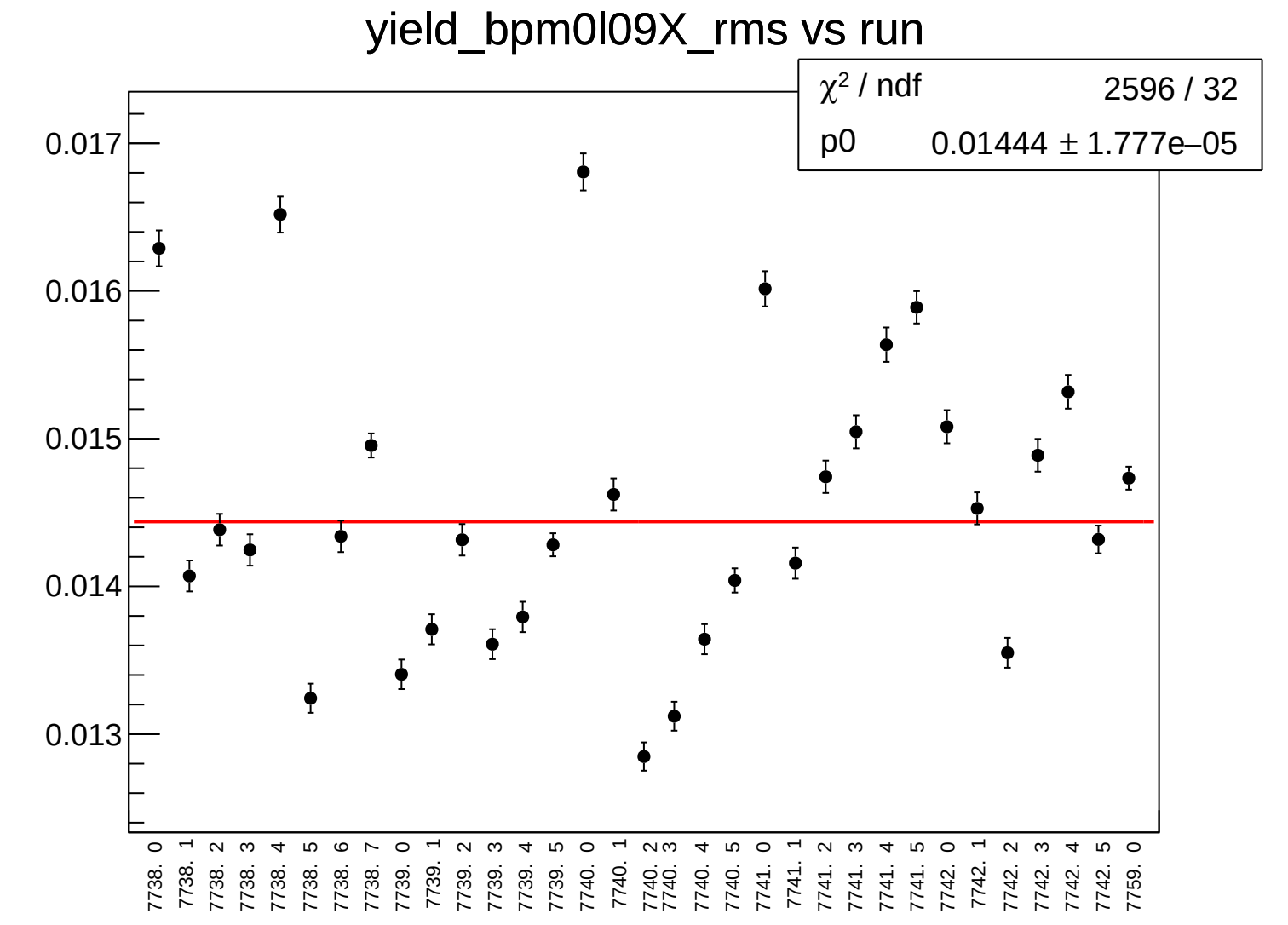

yield_bpm0l08X_rms vs run
χ² / ndf 2474 / 32
p0 0.01518 ± 1.869e–05
0.018
0.017
0.016
0.015
0.014
0.013
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

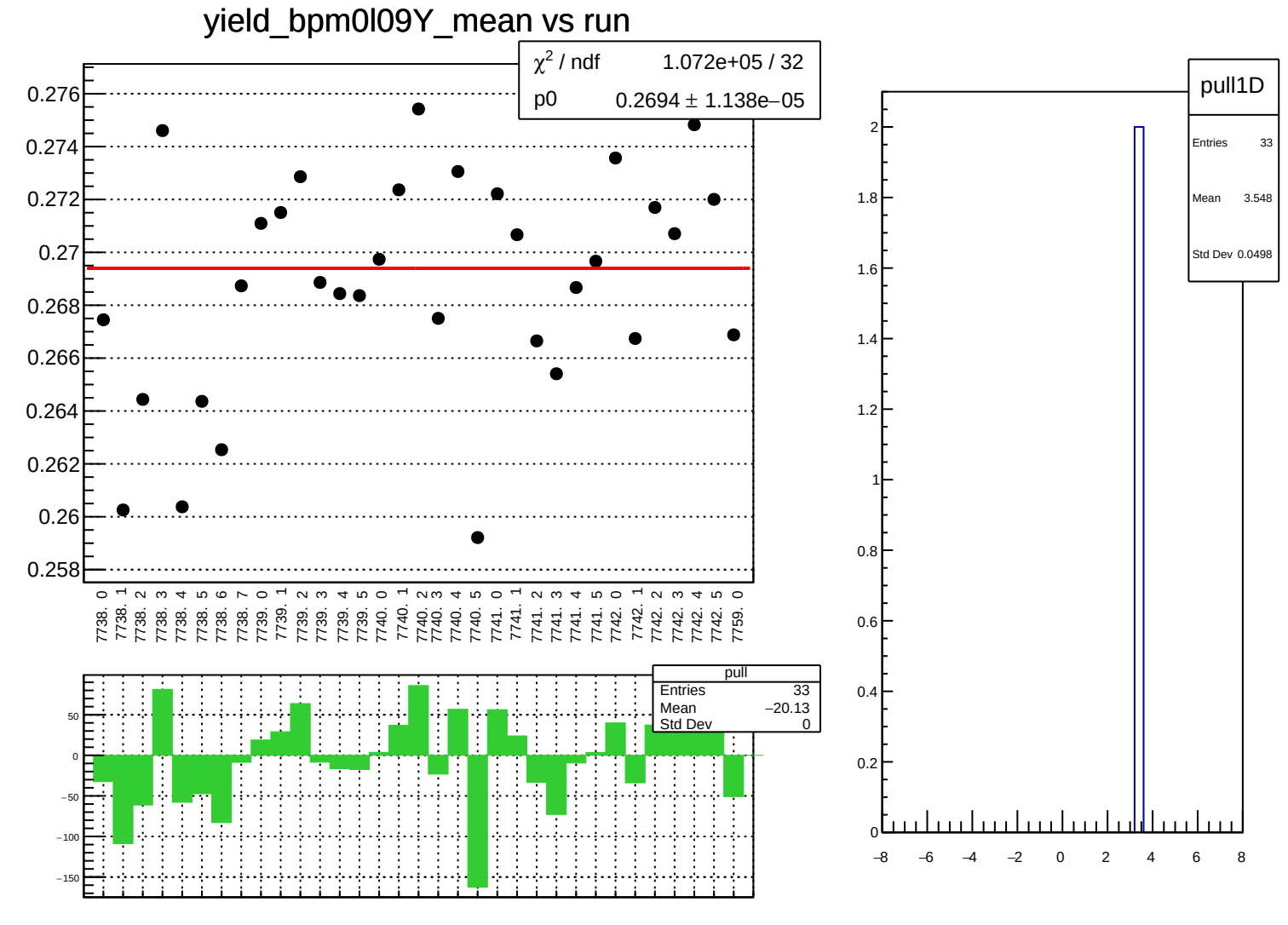

yield_bpm0l08Y_mean vs run
χ² / ndf 2.141e+05 / 32
p0 0.345 ± 8.116e−06
0.352
0.35
0.348
0.346
0.344
0.342
0.34
0.338
0.336
0.334
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −41.11
Std Dev 0
100
50
0
−50
−100
−150
−200
−250
−300
−350

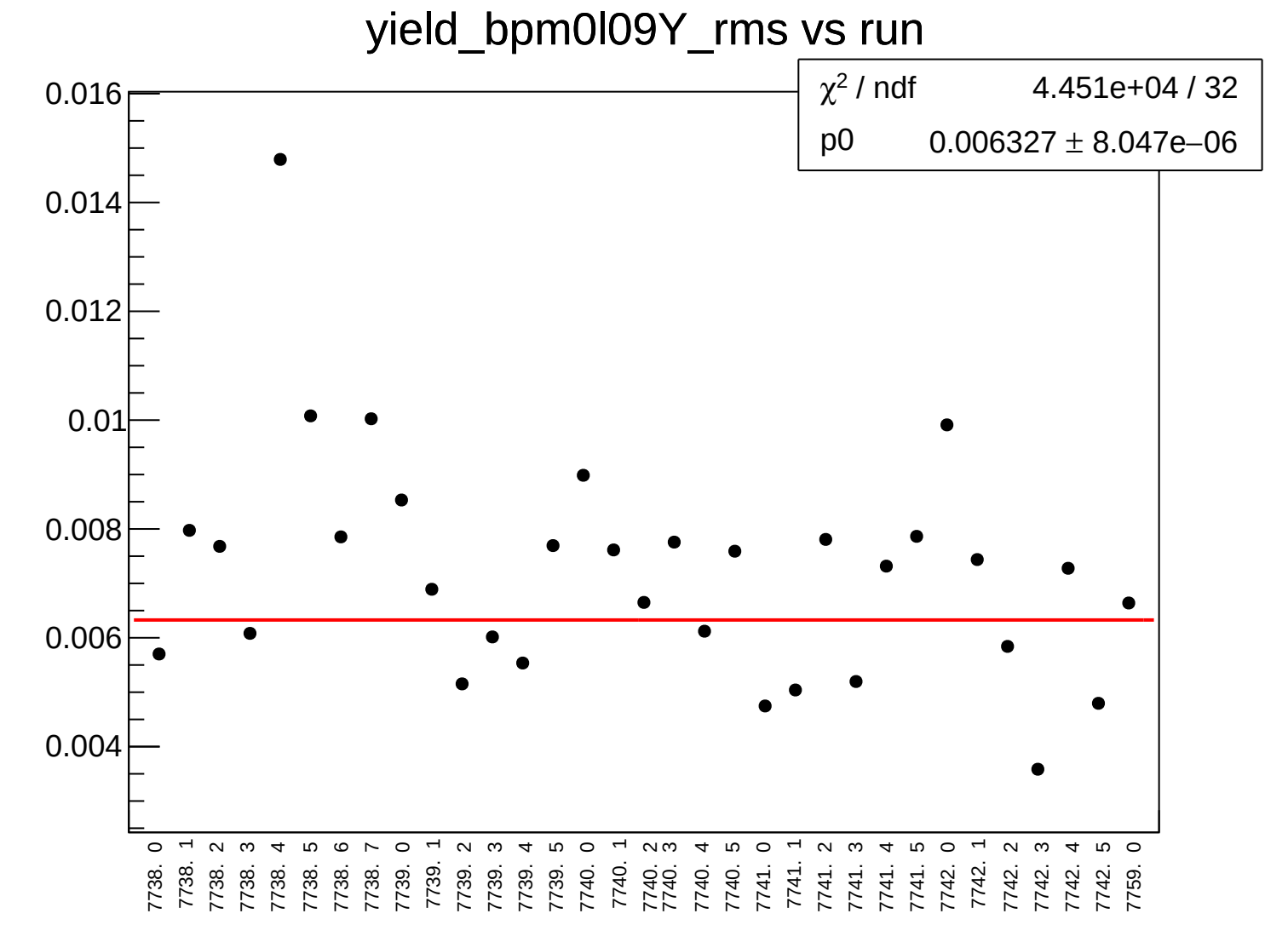

pull1D
Entries 33
Mean 0.69
Std Dev 3.722
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

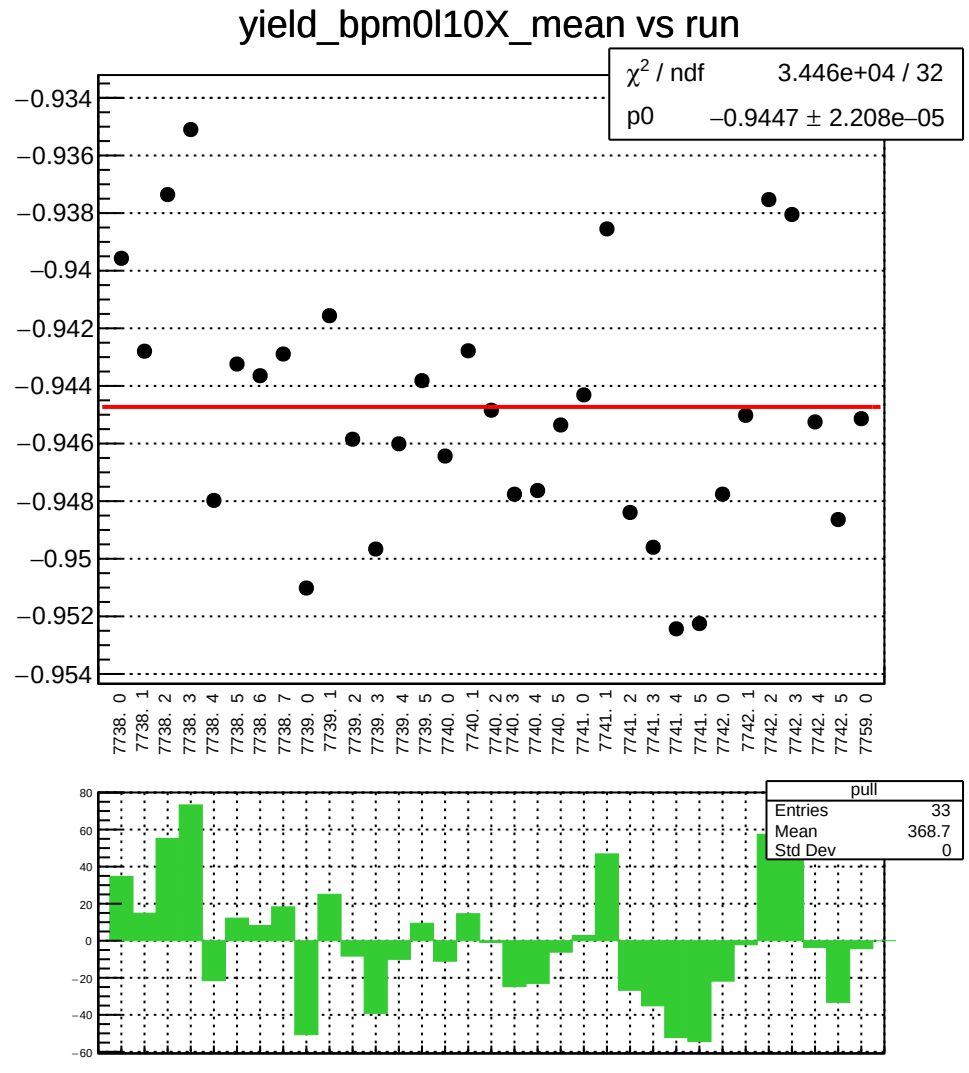

yield_bpm0l08Y_rms vs run
χ² / ndf 2.332e+04 / 32
p0 0.004589 ± 5.739e−06
0.008
0.007
0.006
0.005
0.004
0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

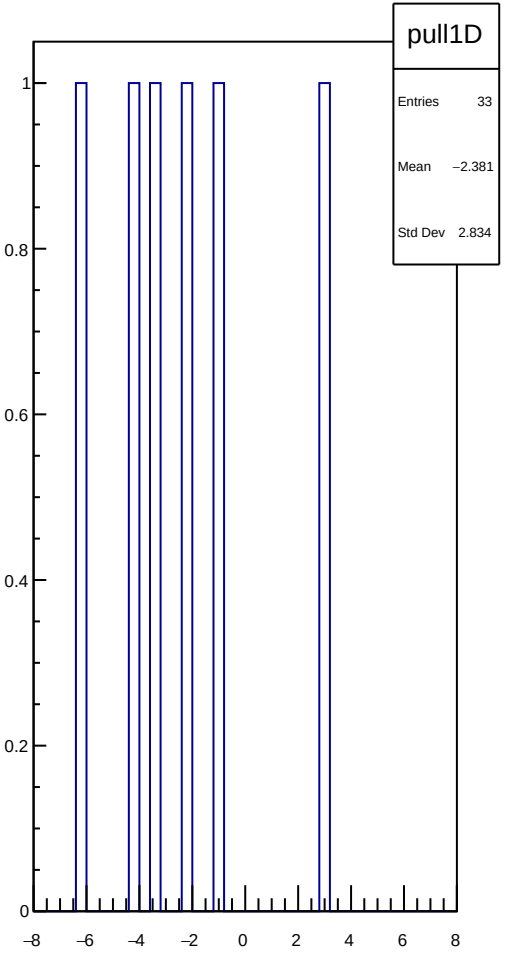

yield_bpm0l09X_mean vs run
χ² / ndf 3.333e+04 / 32
p0 1.272 ± 2.513e−05
1.285
1.28
1.275
1.27
1.265
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 353.6
Std Dev 0
60
40
20
0
−20
−40
−60
pull1D
Entries 33
Mean −0.8398
Std Dev 2.737
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

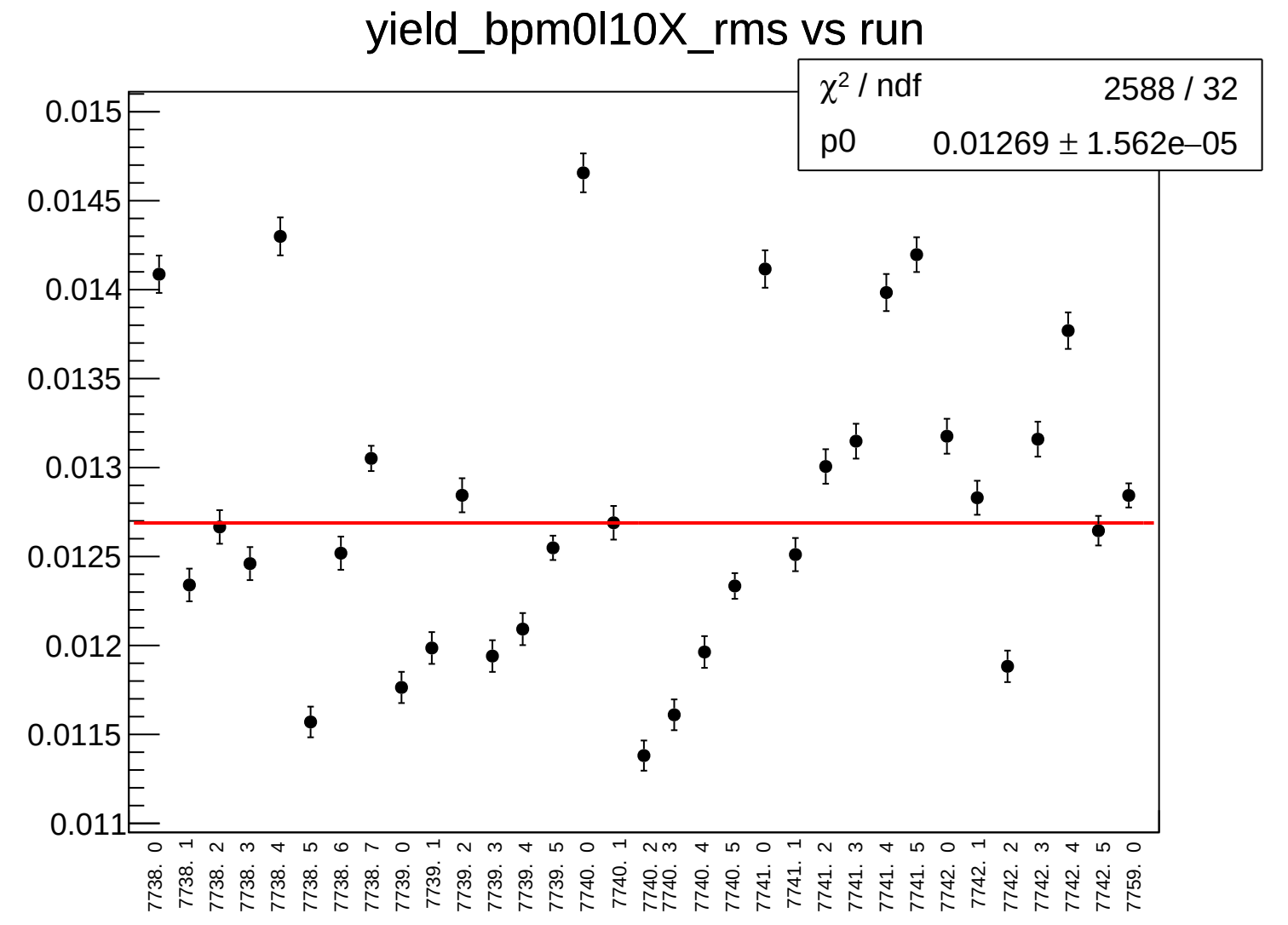

yield_bpm0l09X_rms vs run
χ² / ndf 2596 / 32
p0 0.01444 ± 1.777e–05
0.017
0.016
0.015
0.014
0.013
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

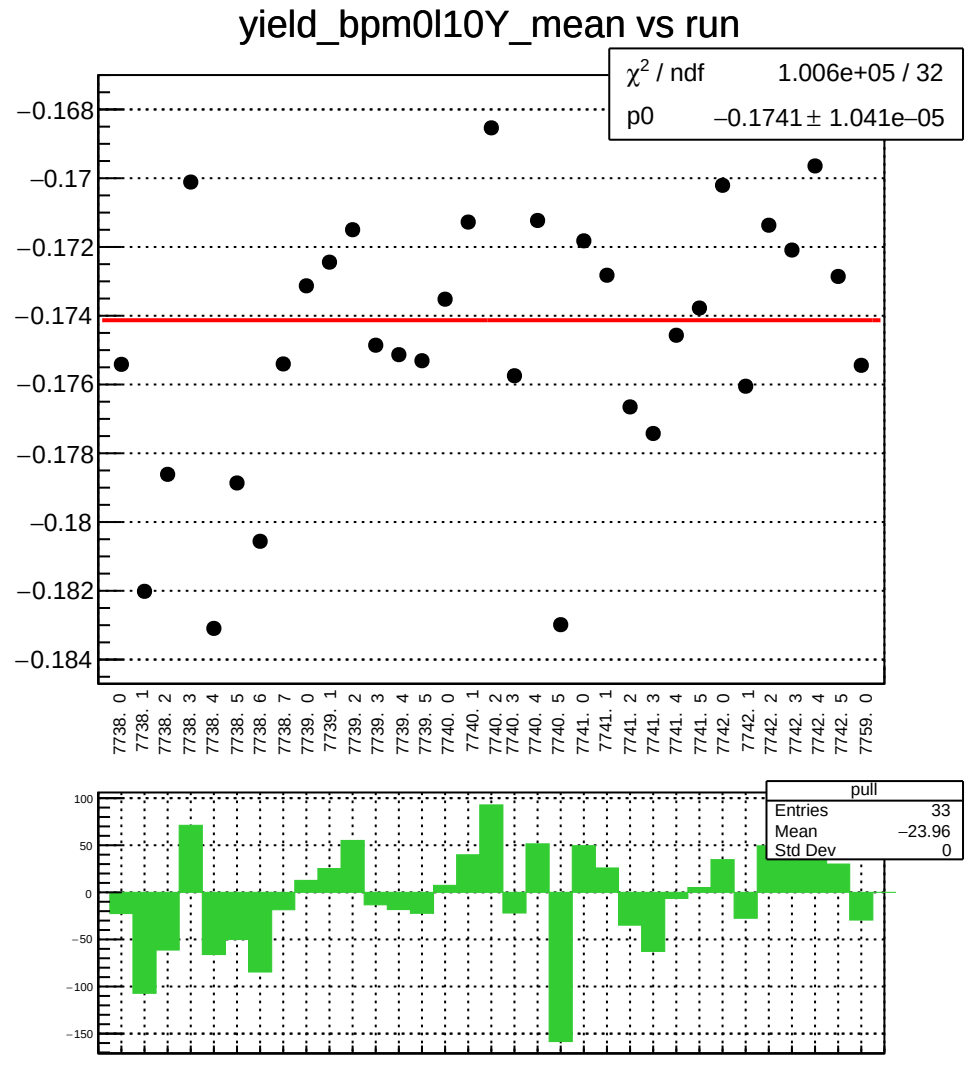

yield_bpm0l09Y_mean vs run
χ² / ndf 1.072e+05 / 32
p0 0.2694 ± 1.138e−05
0.276
0.274
0.272
0.27
0.268
0.266
0.264
0.262
0.26
0.258
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.13
Std Dev 0
50
0
−50
−100
−150
pull1D
Entries 33
Mean 3.548
Std Dev 0.0498
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

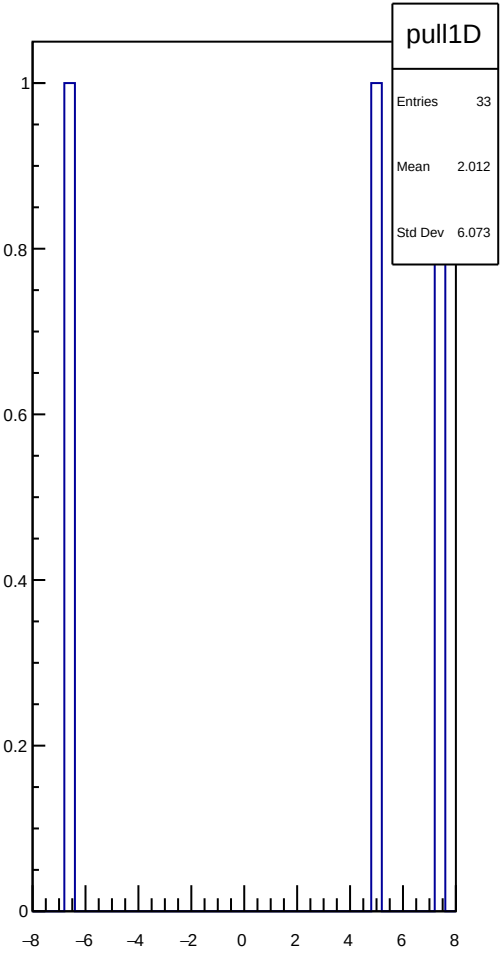

yield_bpm0l09Y_rms vs run
χ² / ndf 4.451e+04 / 32
p0 0.006327 ± 8.047e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

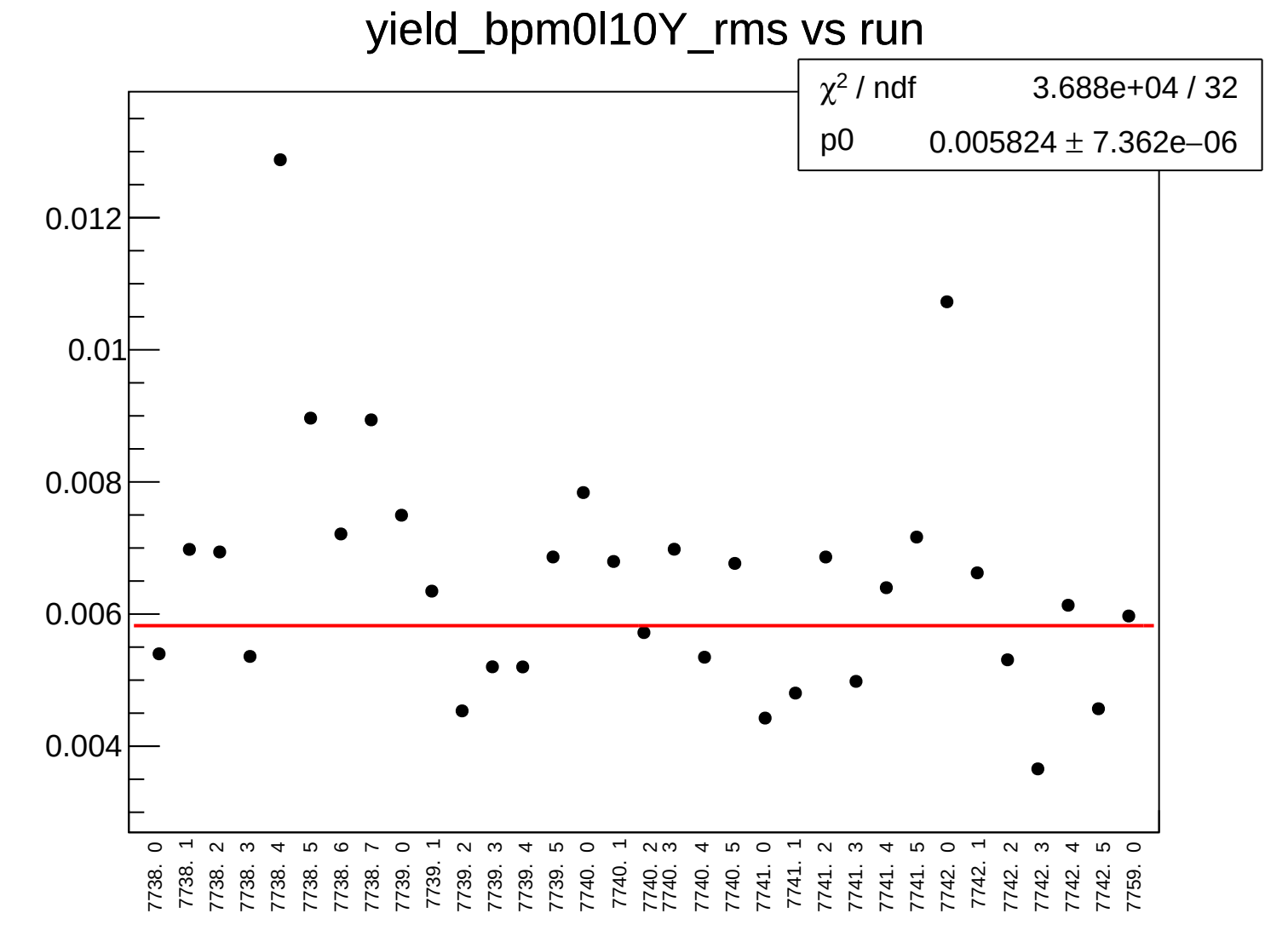

yield_bpm0l10X_mean vs run
χ² / ndf 3.446e+04 / 32
p0 −0.9447 ± 2.208e−05
−0.934
−0.936
−0.938
−0.94
−0.942
−0.944
−0.946
−0.948
−0.95
−0.952
−0.954
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 368.7
Std Dev 0
80
60
40
20
0
−20
−40
−60

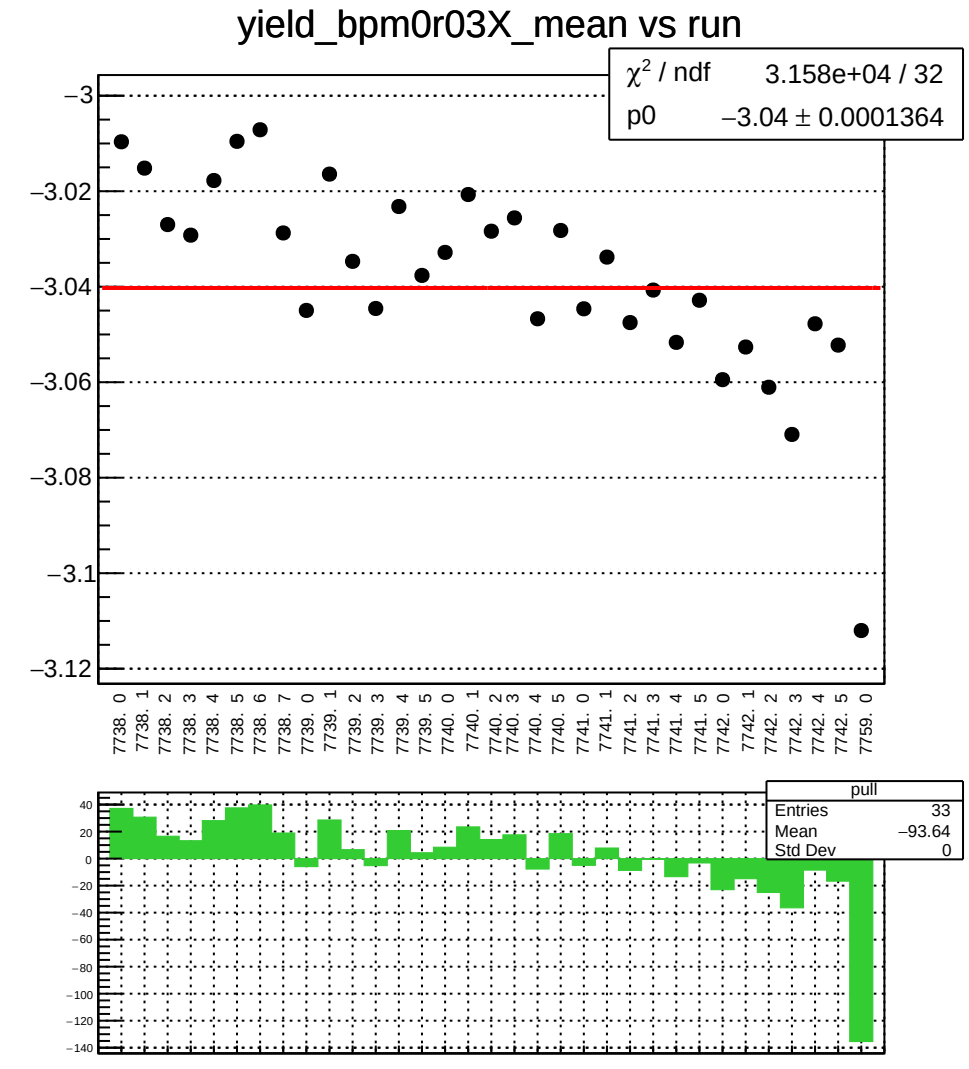

pull1D
Entries 33
Mean −2.381
Std Dev 2.834
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

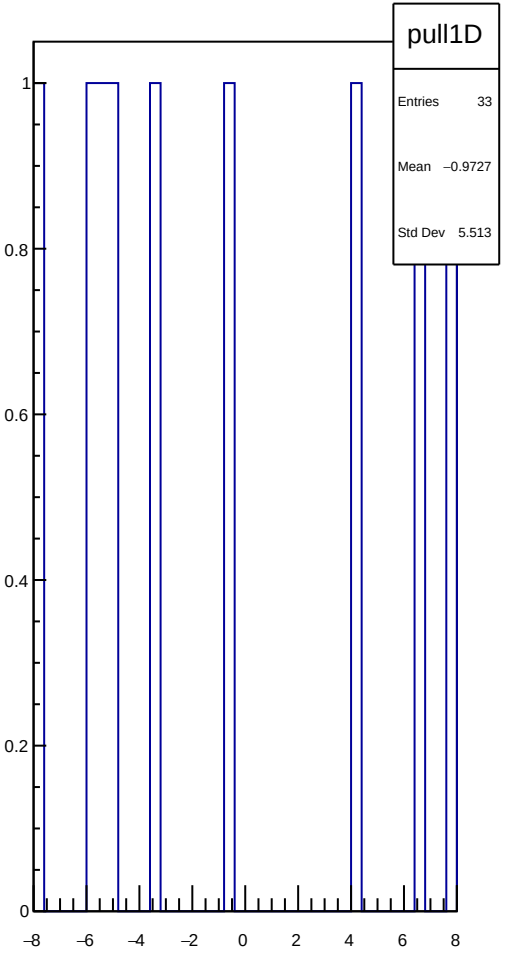

yield_bpm0l10X_rms vs run
χ² / ndf 2588 / 32
p0 0.01269 ± 1.562e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

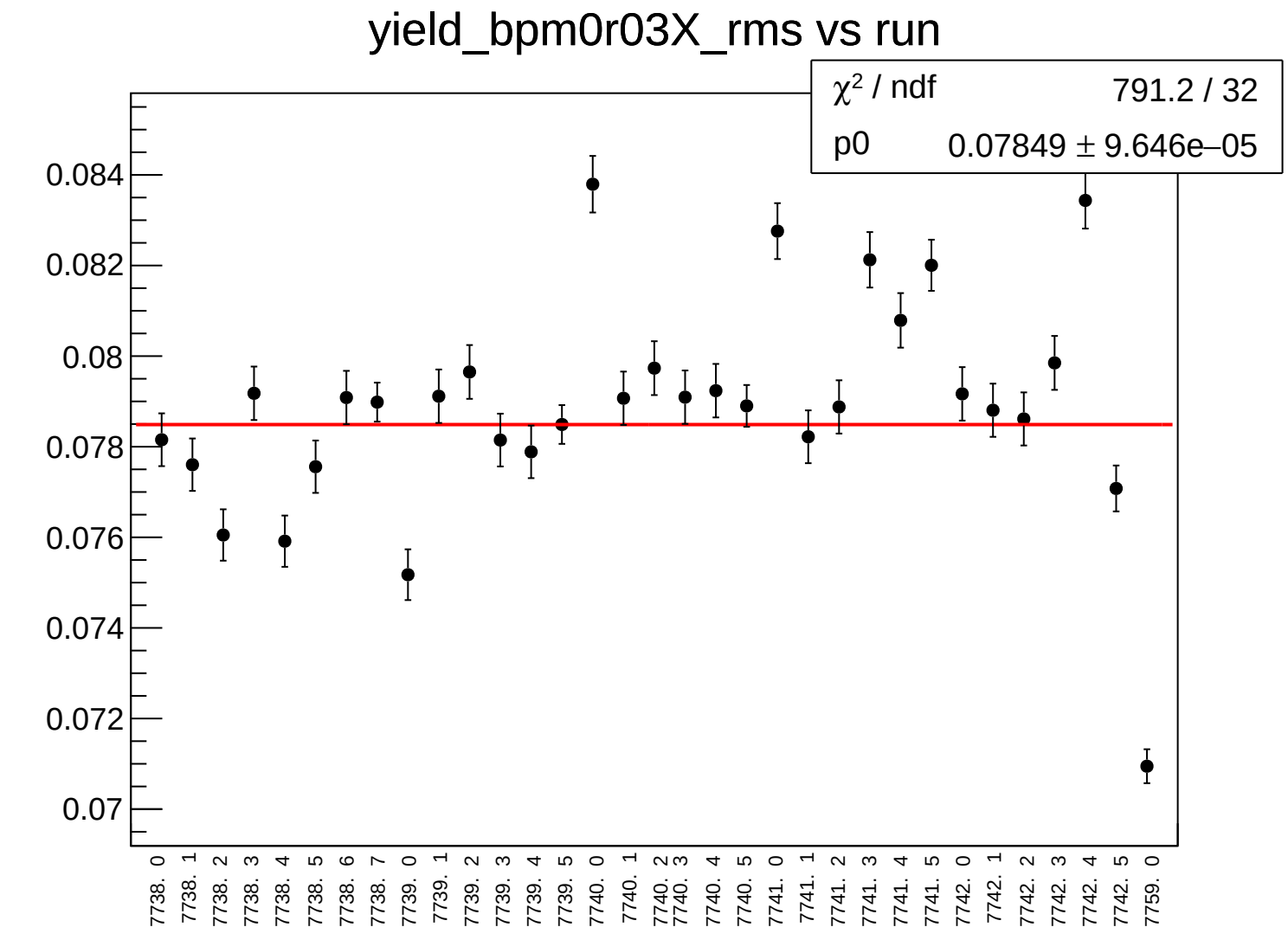

yield_bpm0l10Y_mean vs run
χ² / ndf 1.006e+05 / 32
p0 −0.1741 ± 1.041e−05
−0.168
−0.17
−0.172
−0.174
−0.176
−0.178
−0.18
−0.182
−0.184
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −23.96
Std Dev 0
100
50
0
−50
−100
−150

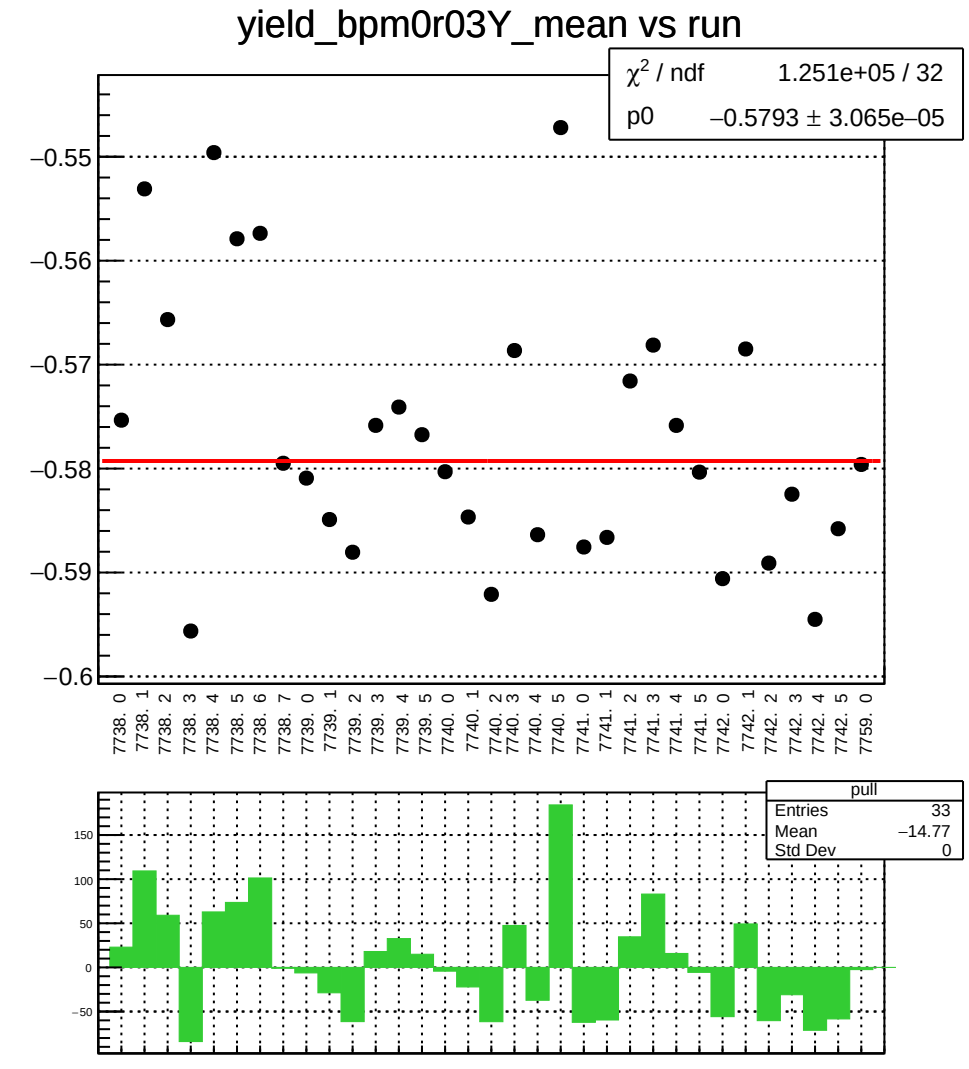

pull1D
Entries 33
Mean 2.012
Std Dev 6.073
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

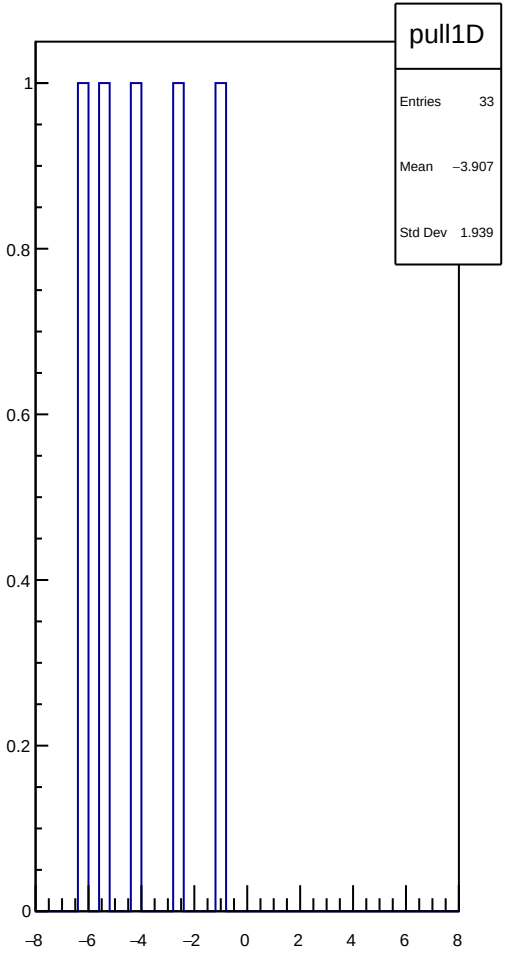

yield_bpm0l10Y_rms vs run
χ² / ndf 3.688e+04 / 32
p0 0.005824 ± 7.362e−06
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

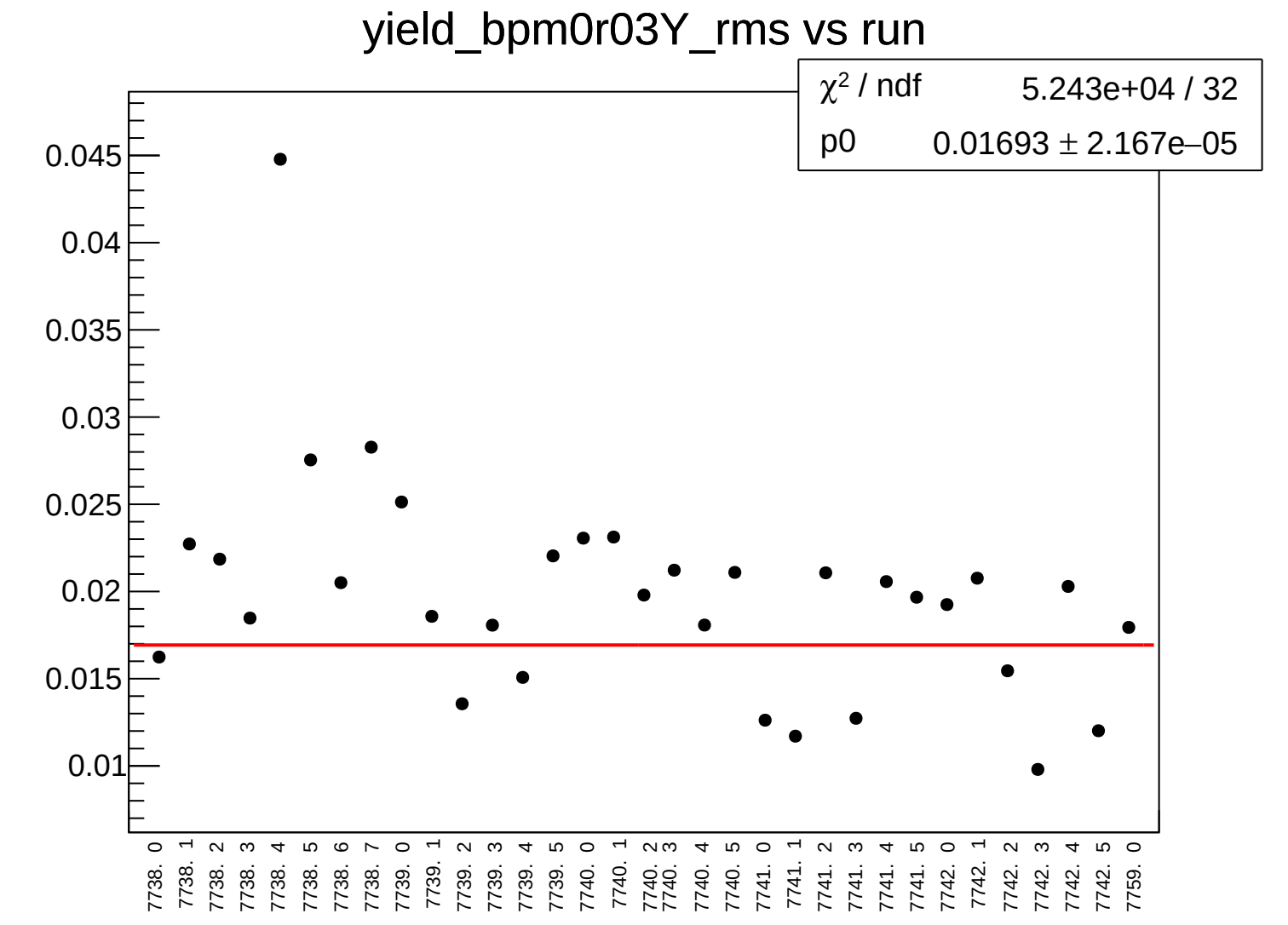

yield_bpm0r03X_mean vs run
χ² / ndf 3.158e+04 / 32
p0 −3.04 ± 0.0001364
−3
−3.02
−3.04
−3.06
−3.08
−3.1
−3.12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −93.64
Std Dev 0
40
20
0
−20
−40
−60
−80
−100
−120
−140

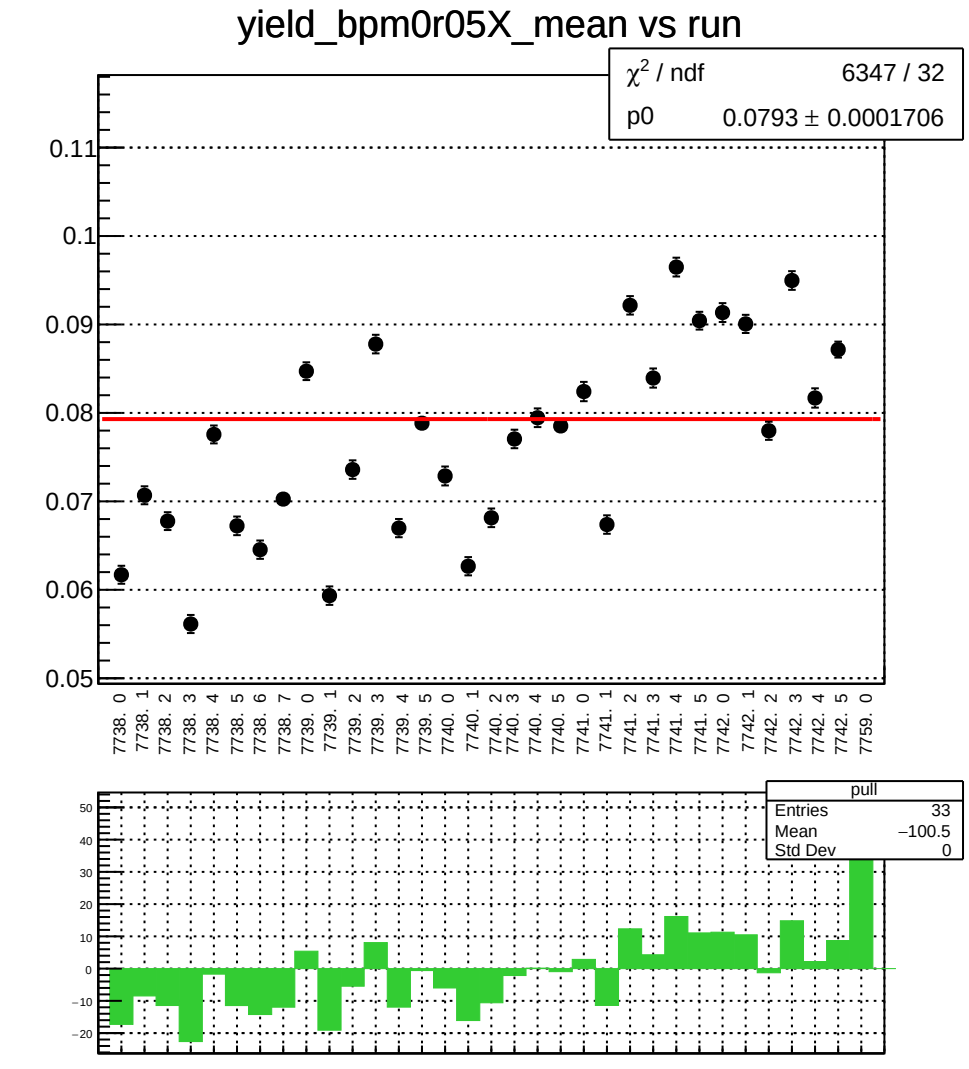

pull1D
Entries 33
Mean −0.9727
Std Dev 5.513
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

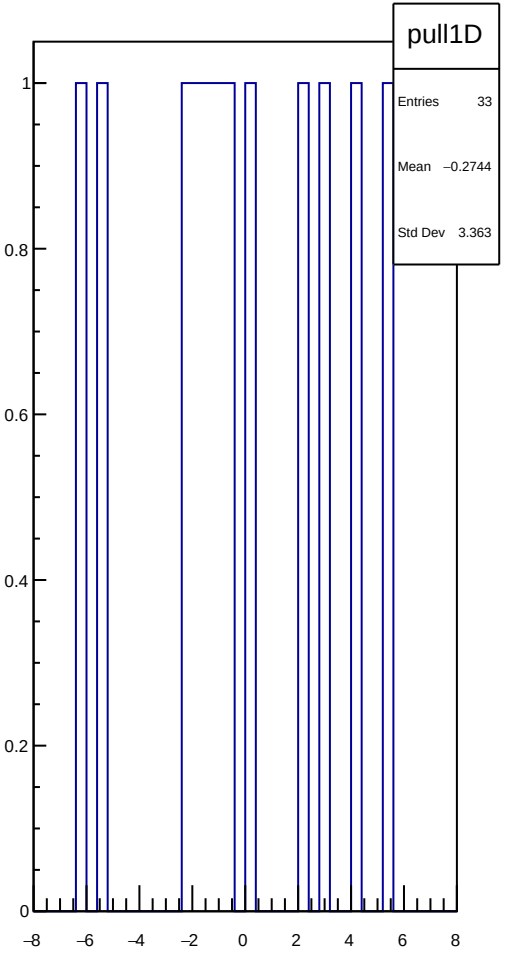

yield_bpm0r03X_rms vs run
χ² / ndf 791.2 / 32
p0 0.07849 ± 9.646e−05
0.084
0.082
0.08
0.078
0.076
0.074
0.072
0.07
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

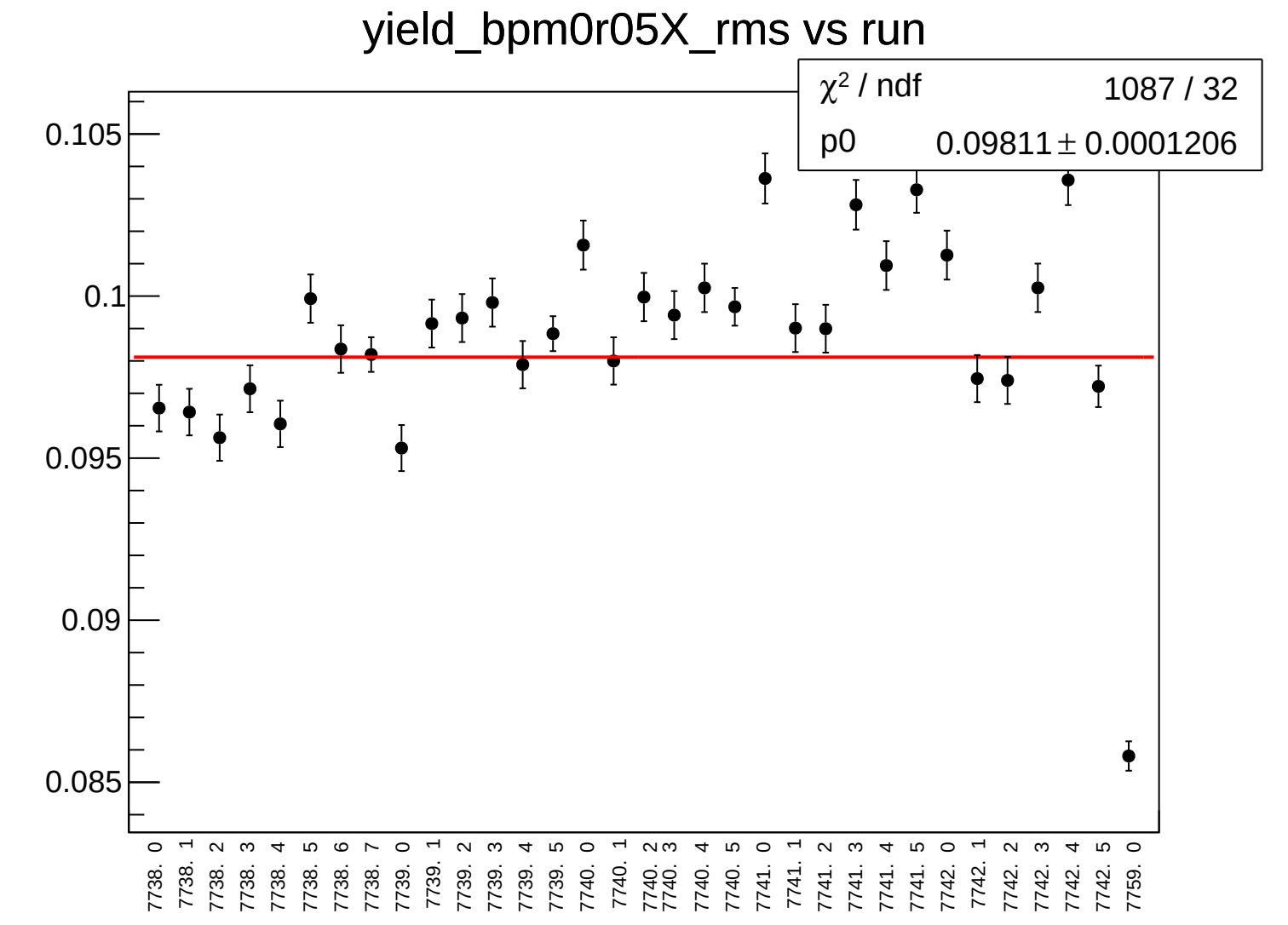

yield_bpm0r03Y_mean vs run
χ² / ndf 1.251e+05 / 32
p0 −0.5793 ± 3.065e−05
−0.55
−0.56
−0.57
−0.58
−0.59
−0.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.77
Std Dev 0
150
100
50
0
−50

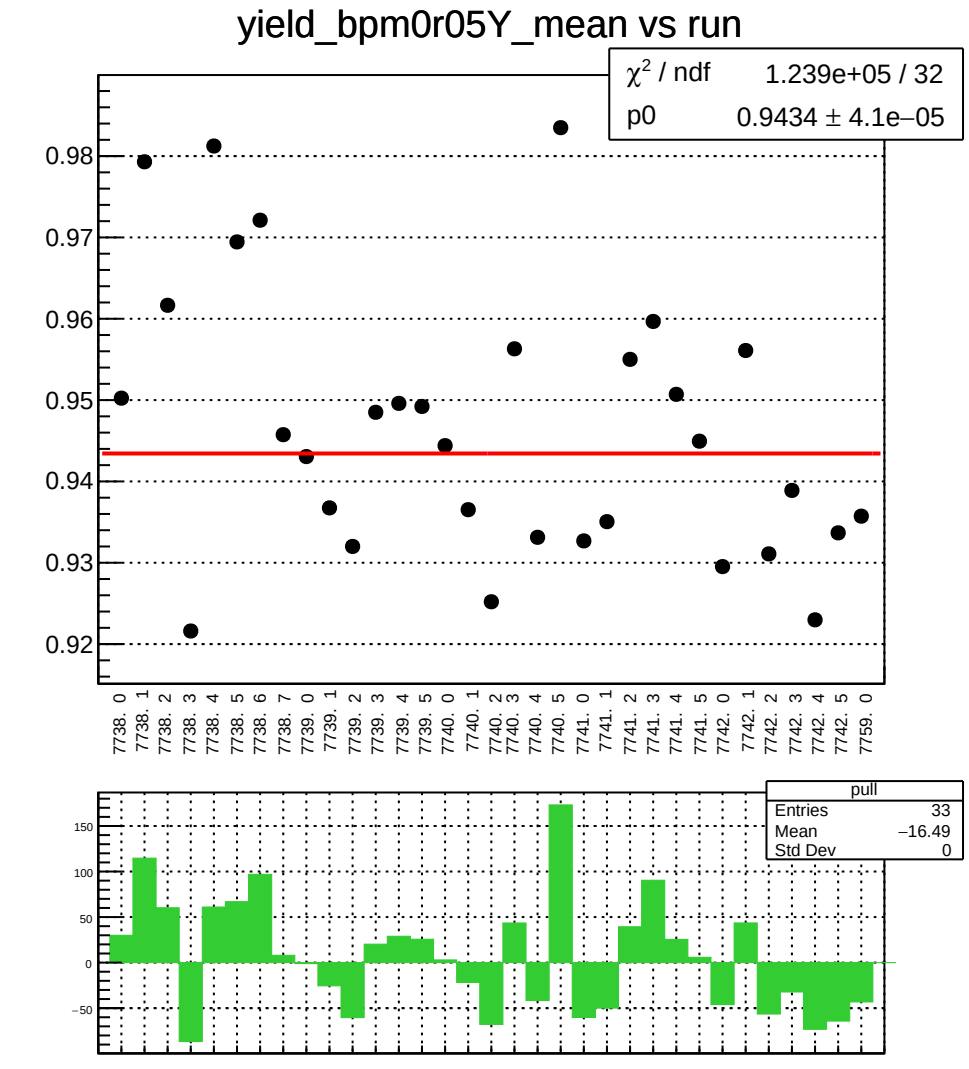

pull1D
Entries 33
Mean −3.907
Std Dev 1.939
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

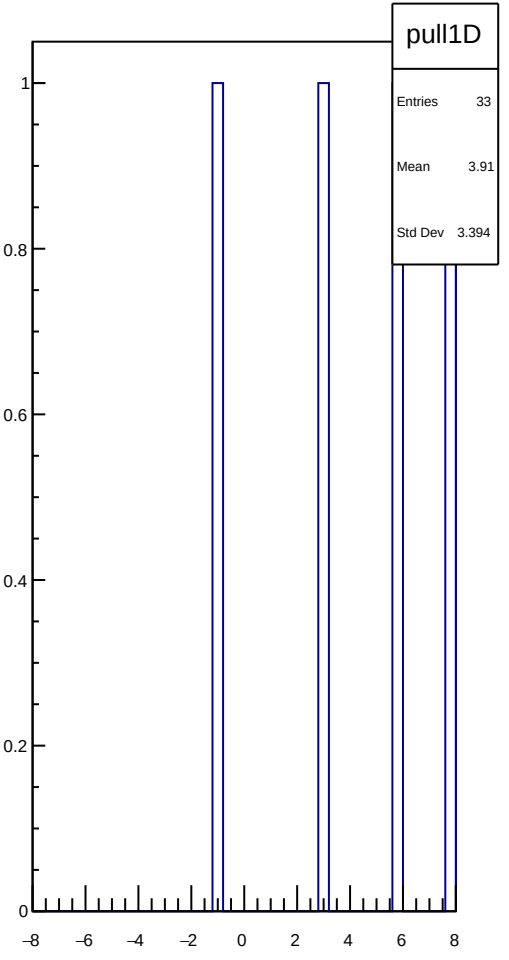

yield_bpm0r03Y_rms vs run
χ² / ndf 5.243e+04 / 32
p0 0.01693 ± 2.167e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

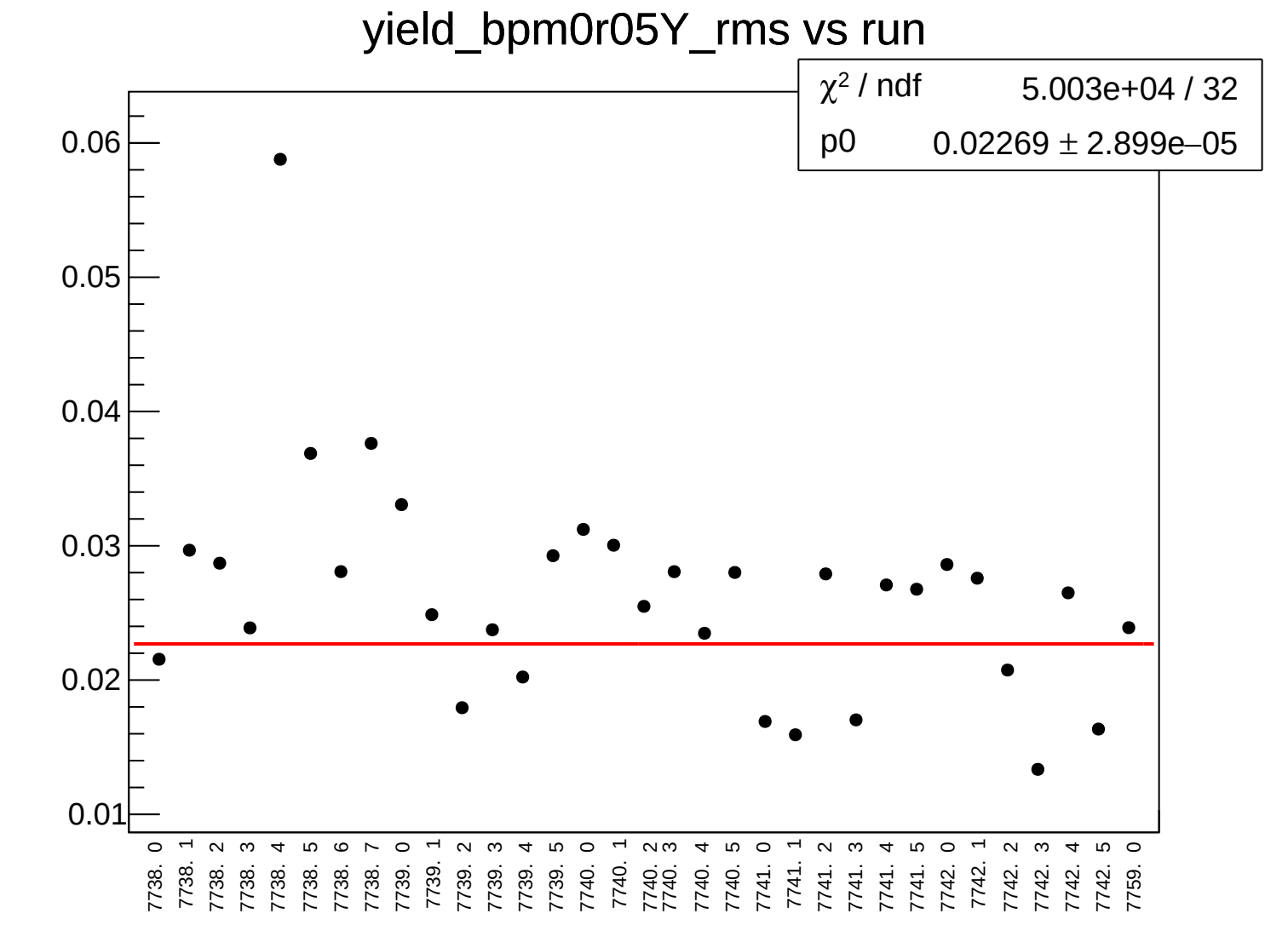

yield_bpm0r05X_mean vs run
χ² / ndf 6347 / 32
p0 0.0793 ± 0.0001706
0.11
0.1
0.09
0.08
0.07
0.06
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −100.5
Std Dev 0
50
40
30
20
10
0
−10
−20

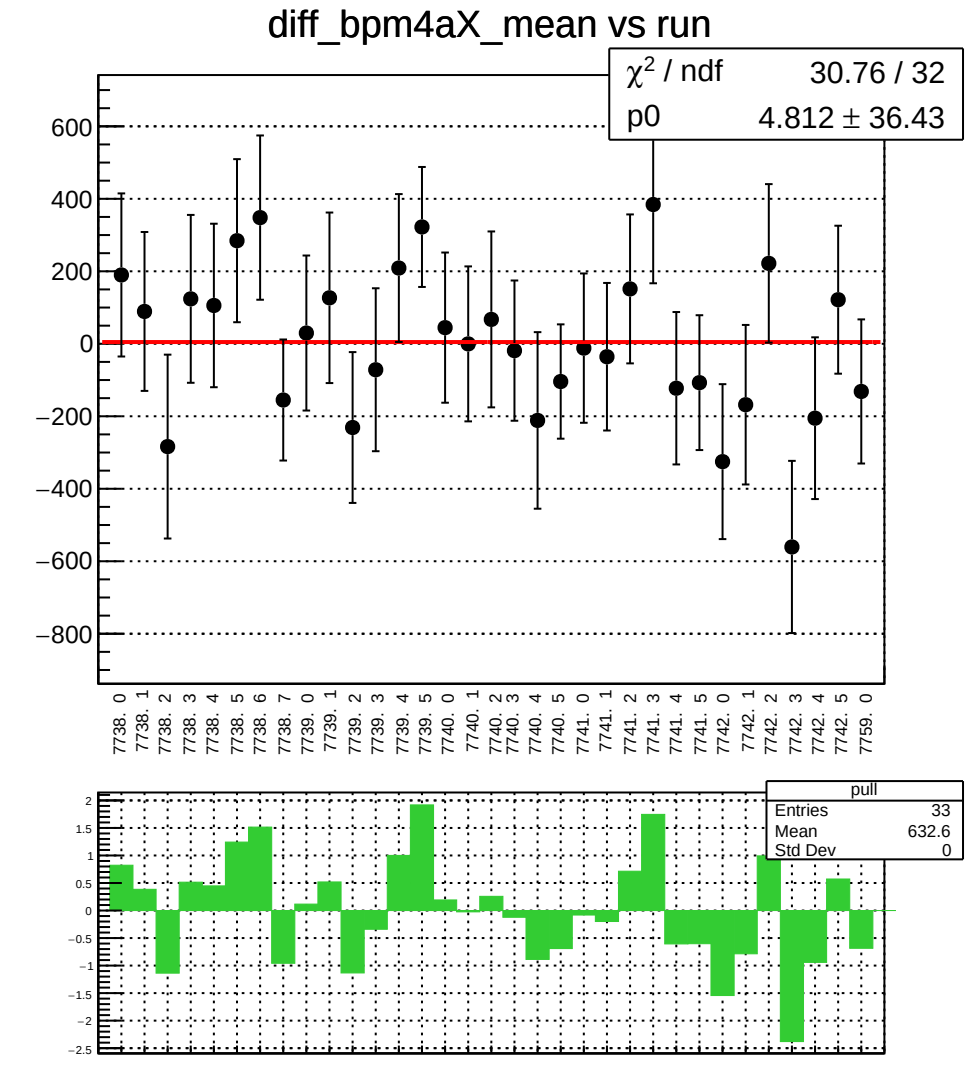

pull1D
Entries 33
Mean −0.2744
Std Dev 3.363
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

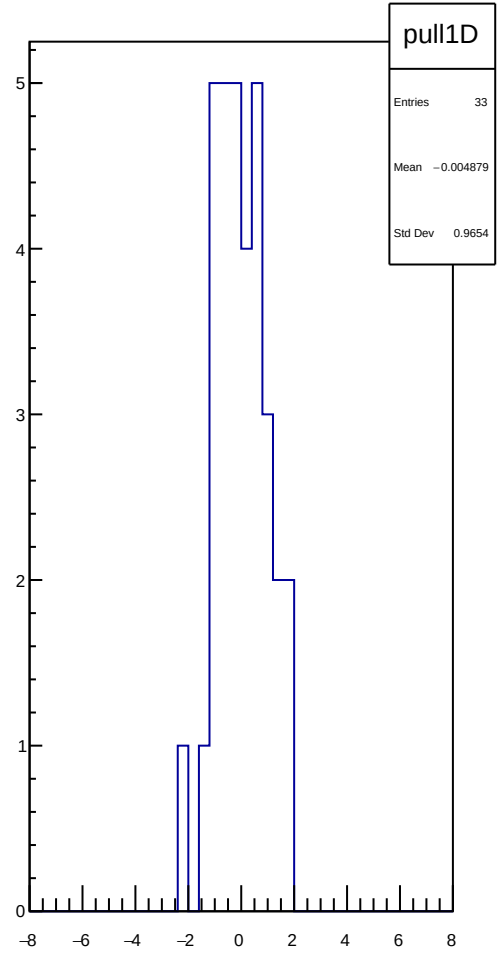

yield_bpm0r05X_rms vs run
χ² / ndf 1087 / 32
p0 0.09811 ± 0.0001206
0.105
0.1
0.095
0.09
0.085
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

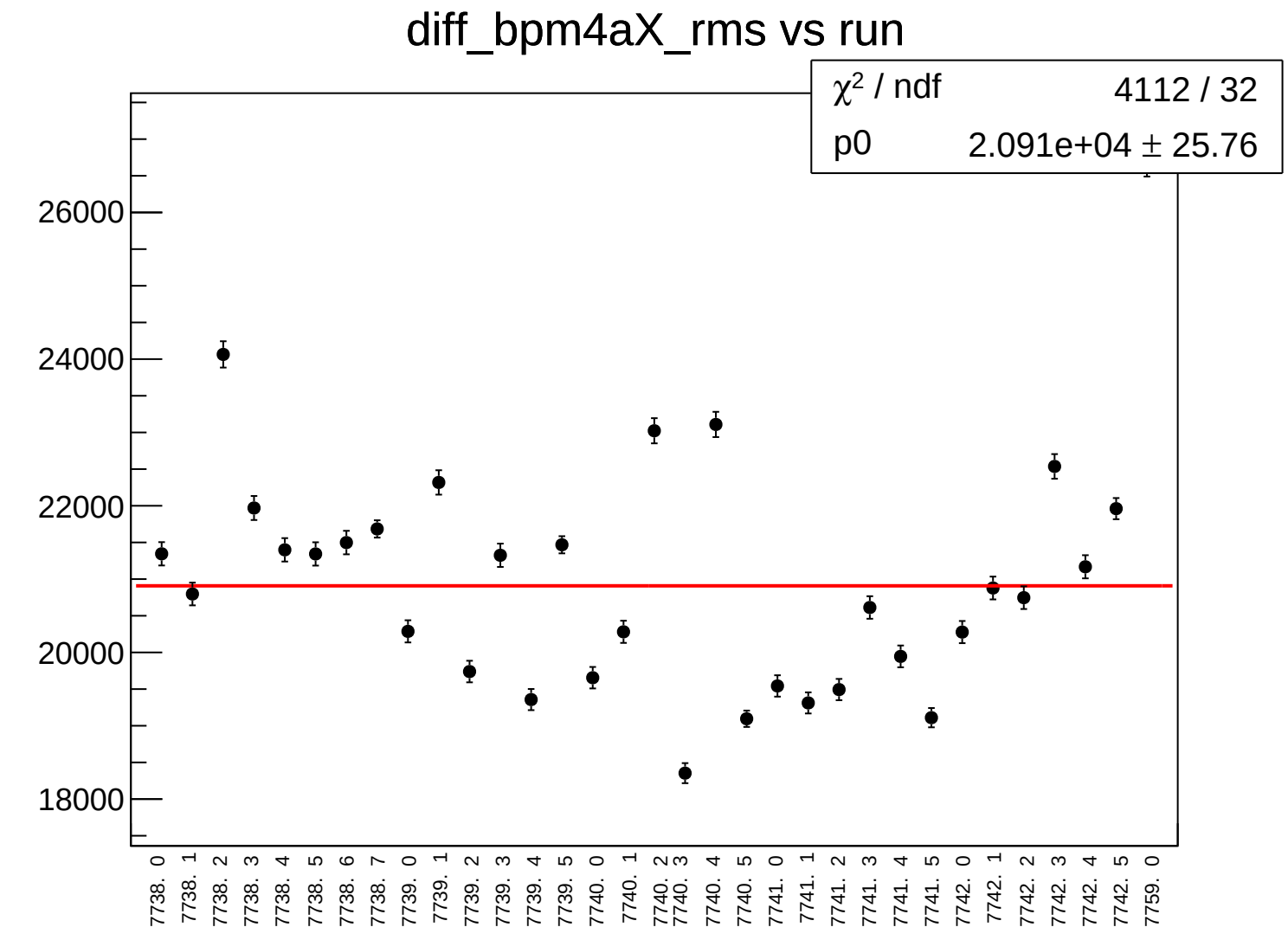

yield_bpm0r05Y_mean vs run
χ² / ndf 1.239e+05 / 32
p0 0.9434 ± 4.1e−05
0.98
0.97
0.96
0.95
0.94
0.93
0.92
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.49
Std Dev 0
150
100
50
0
−50

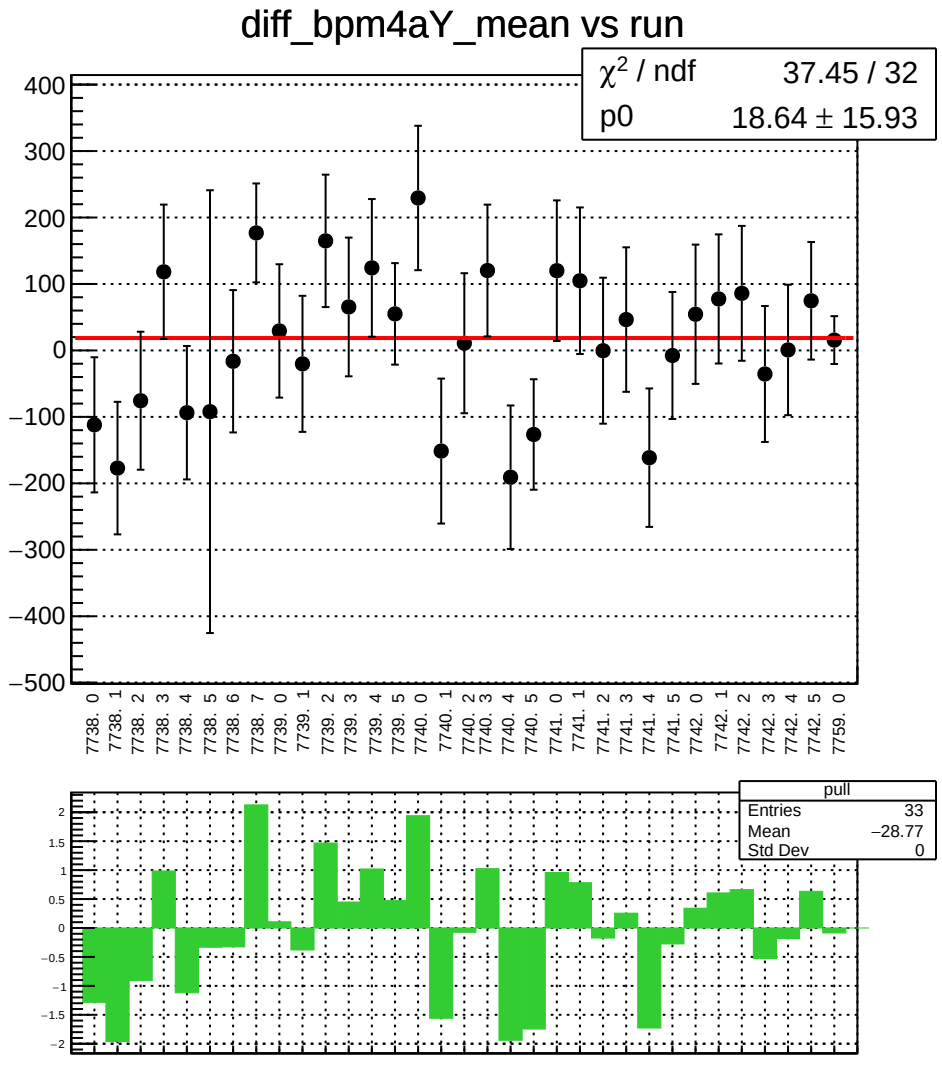

pull1D
Entries 33
Mean 3.91
Std Dev 3.394
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

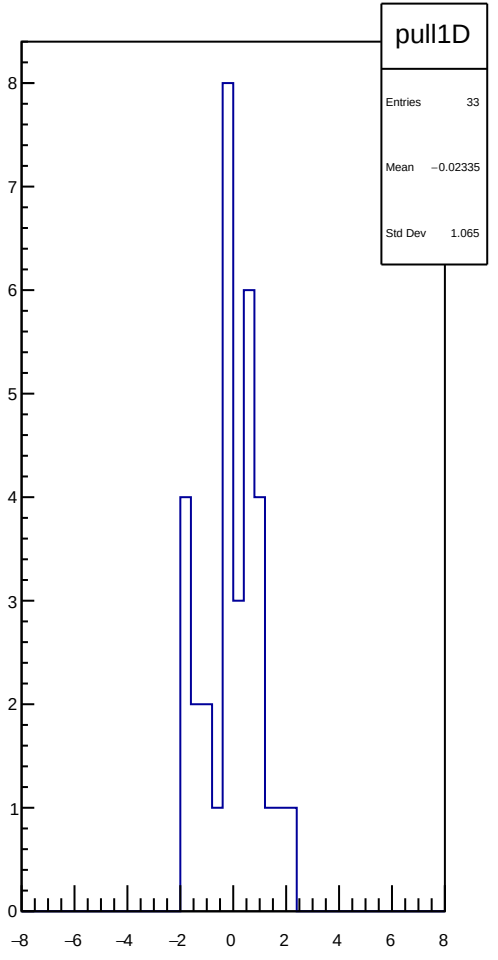

yield_bpm0r05Y_rms vs run
χ² / ndf 5.003e+04 / 32
p0 0.02269 ± 2.899e–05
0.06
0.05
0.04
0.03
0.02
0.01
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

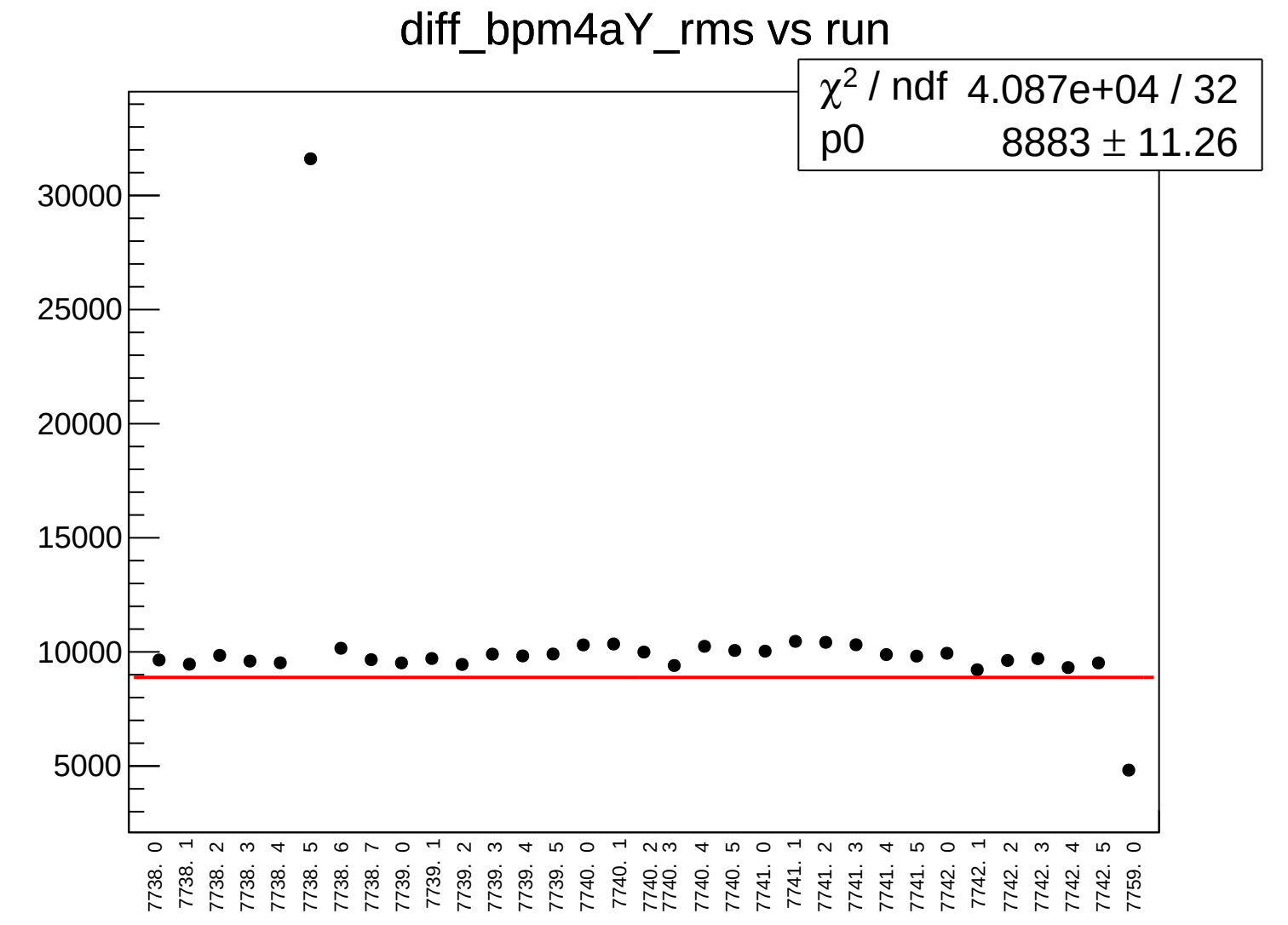

diff_bpm4aX_mean vs run
χ² / ndf 30.76 / 32
p0 4.812 ± 36.43
600
400
200
0
−200
−400
−600
−800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 632.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

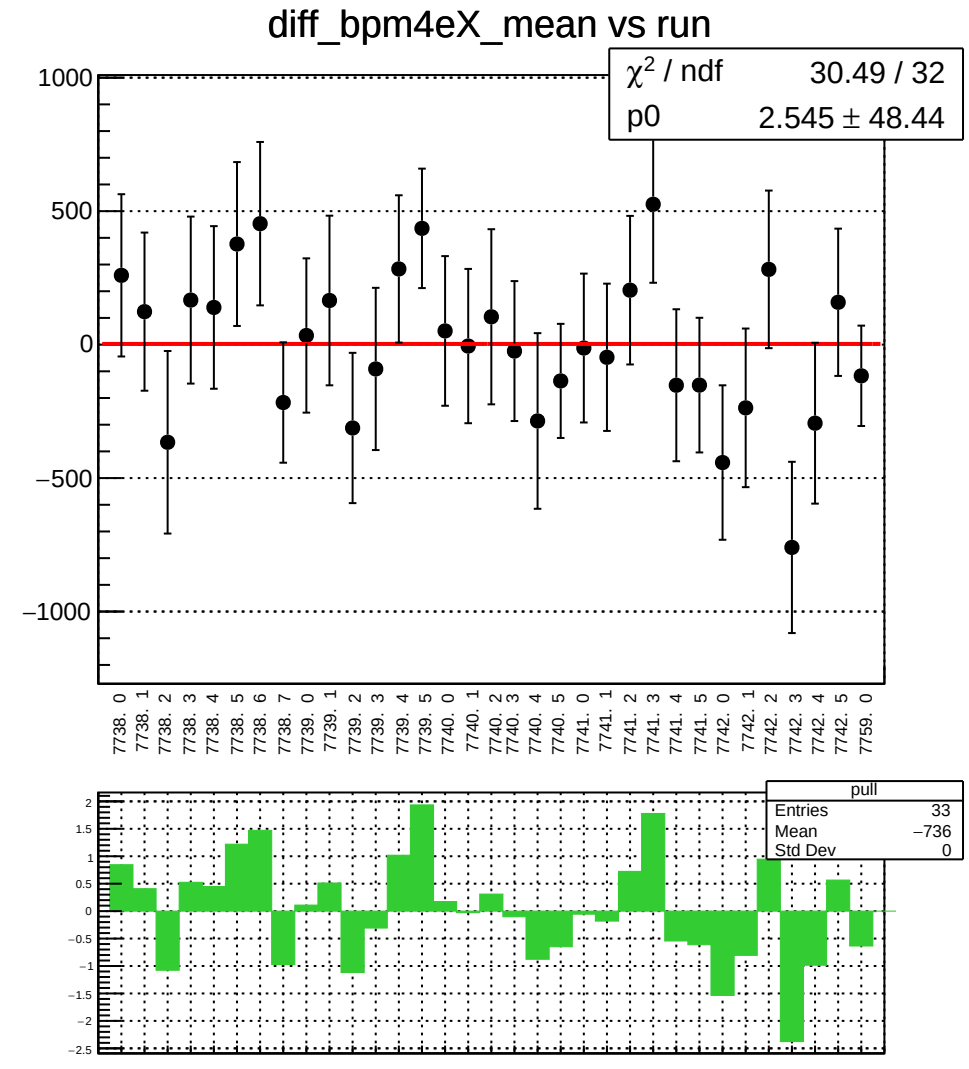

pull1D
Entries 33
Mean −0.004879
Std Dev 0.9654
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

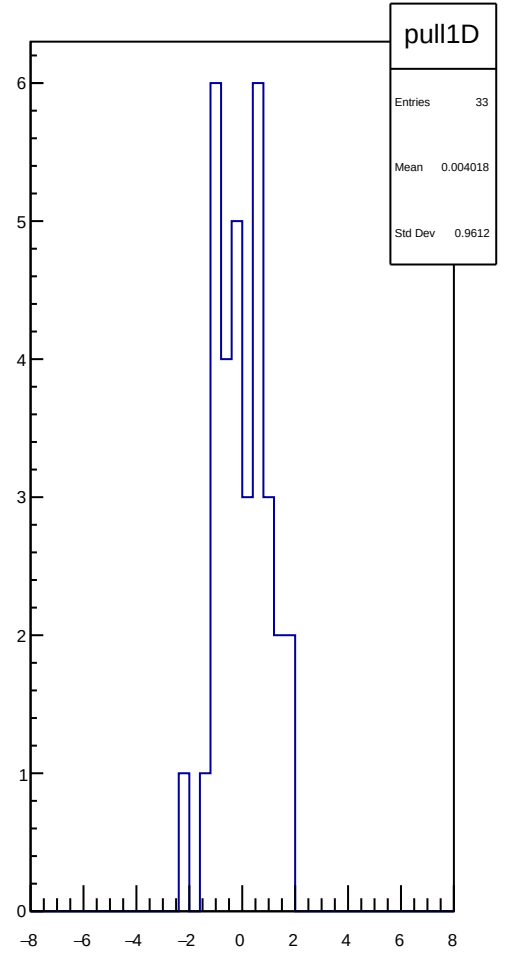

diff_bpm4aX_rms vs run
χ² / ndf 4112 / 32
p0 2.091e+04 ± 25.76
26000
24000
22000
20000
18000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

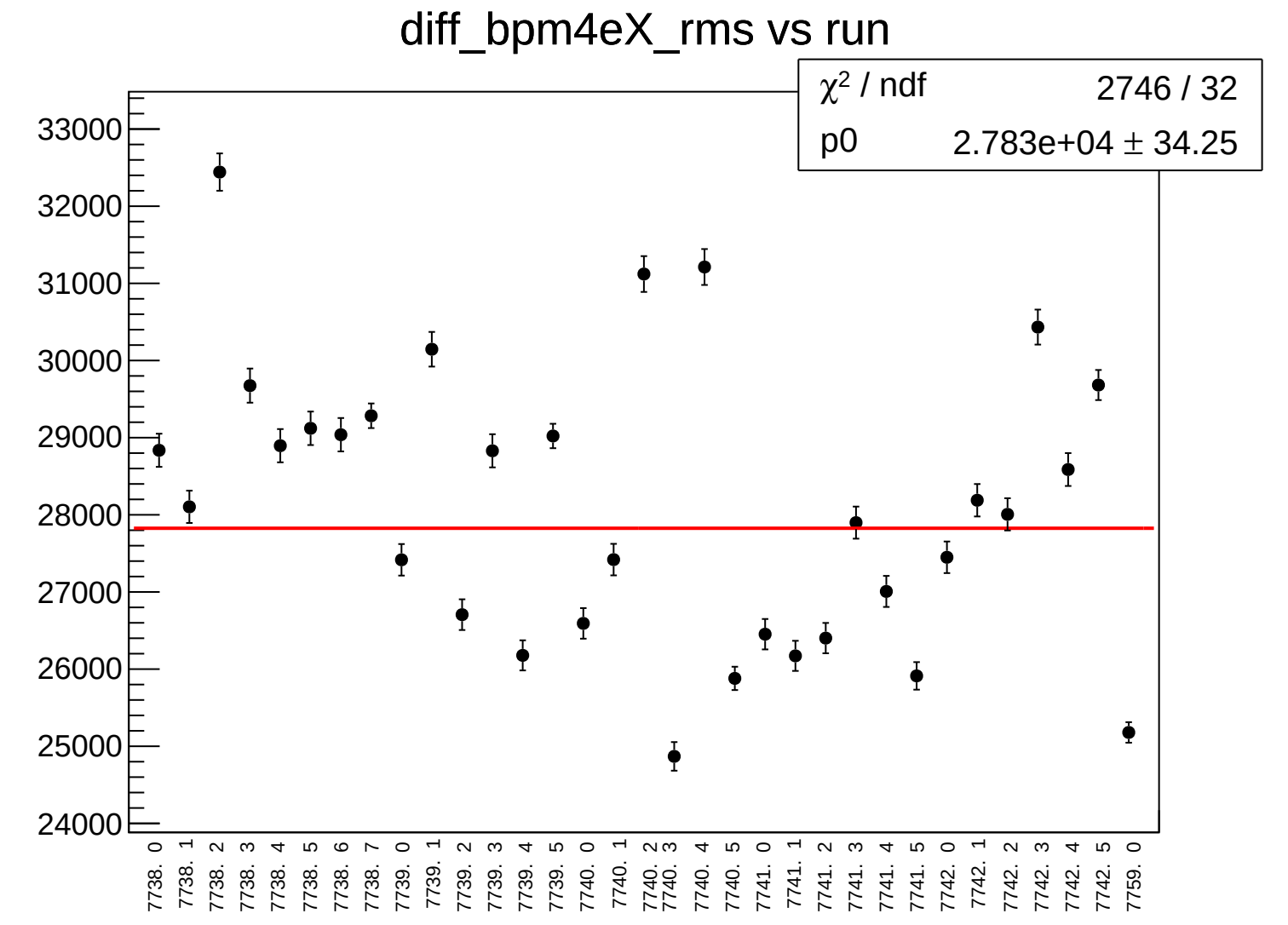

diff_bpm4aY_mean vs run
χ² / ndf 37.45 / 32
p0 18.64 ± 15.93
400
300
200
100
0
−100
−200
−300
−400
−500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

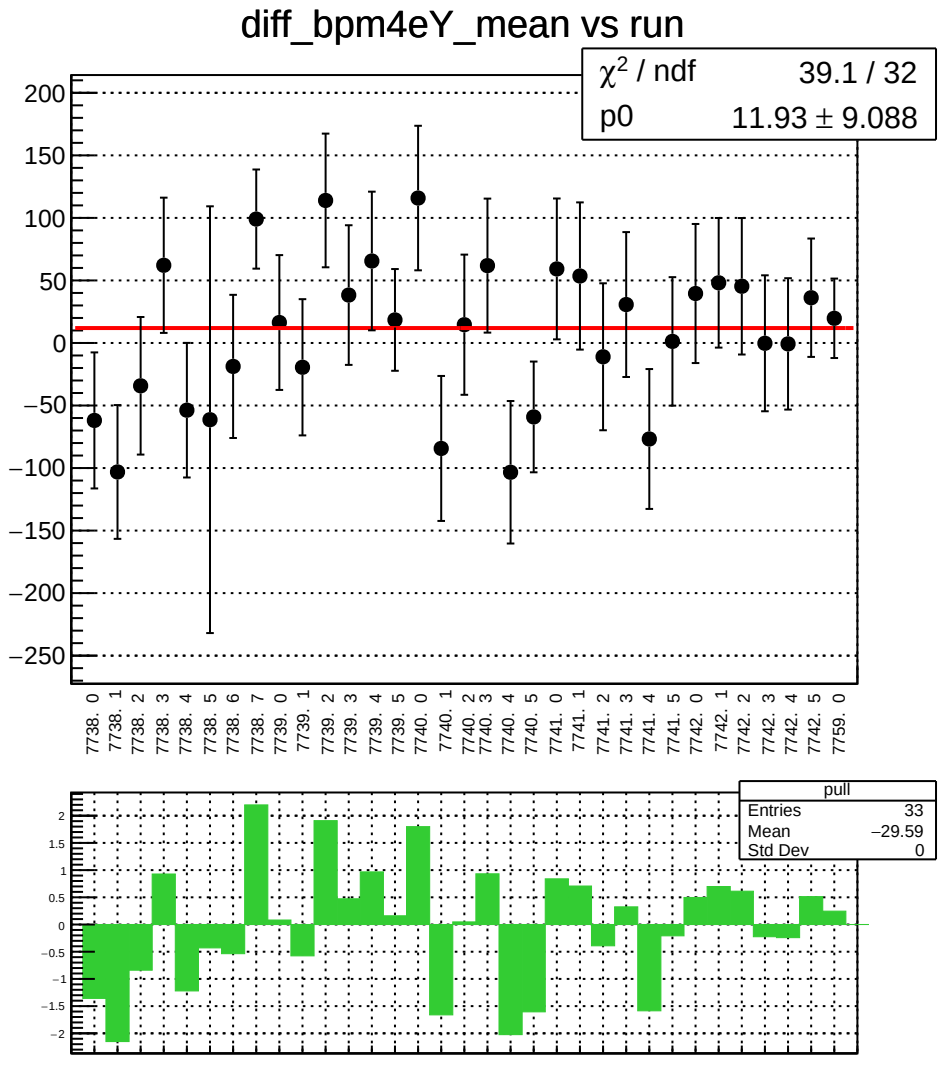

pull1D
Entries 33
Mean −0.02335
Std Dev 1.065
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

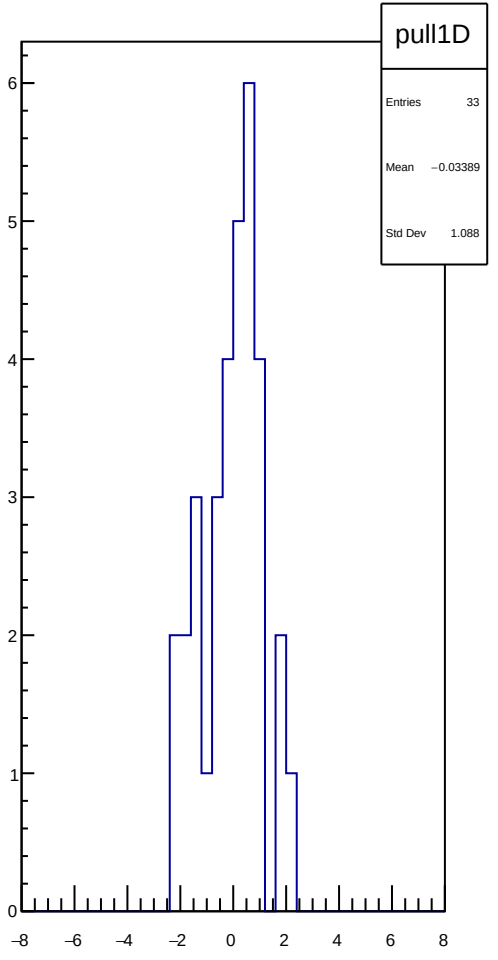

diff_bpm4aY_rms vs run
χ² / ndf 4.087e+04 / 32
p0 8883 ± 11.26
30000
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

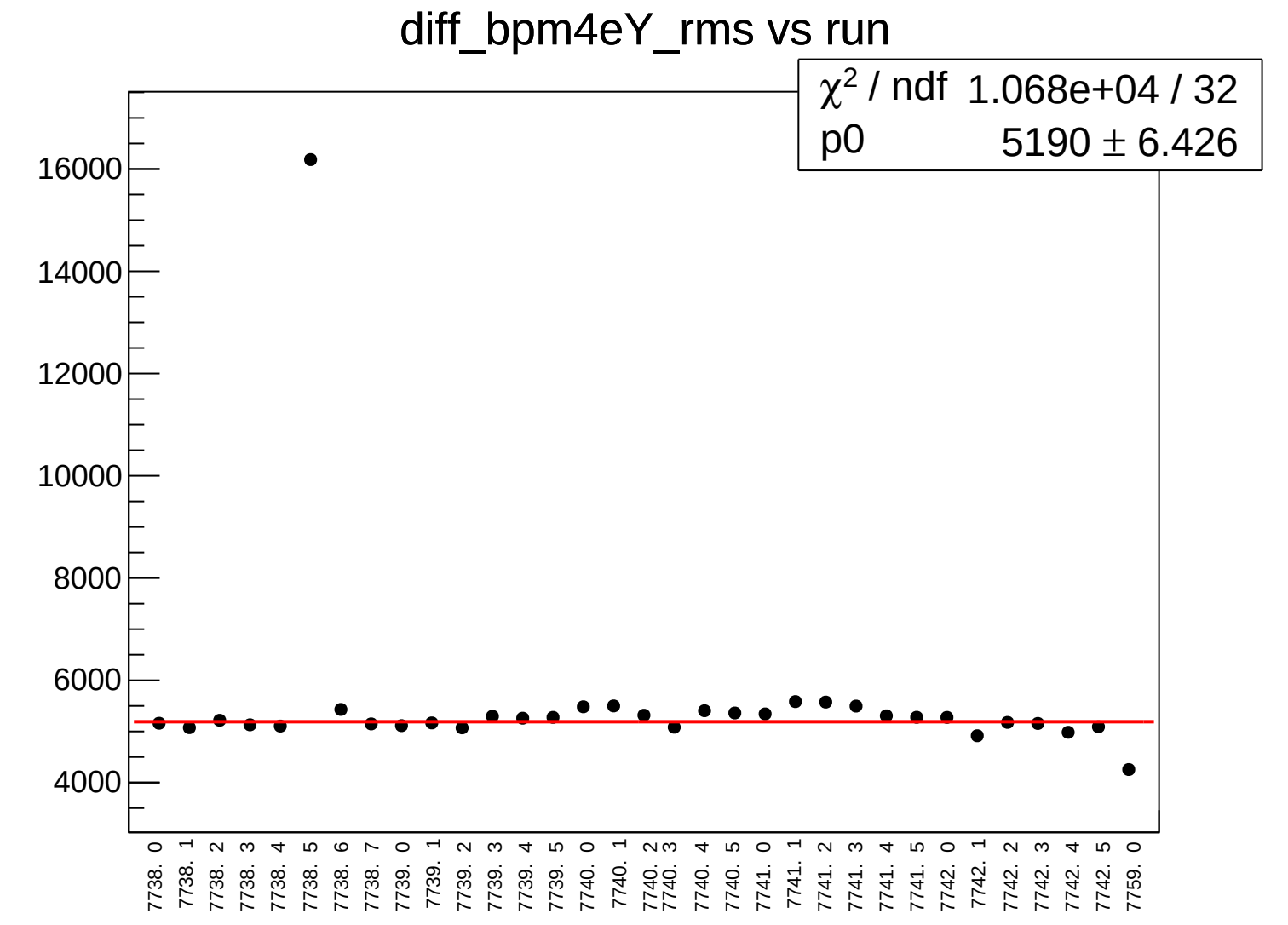

diff_bpm4eX_mean vs run
χ² / ndf 30.49 / 32
p0 2.545 ± 48.44
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −736
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

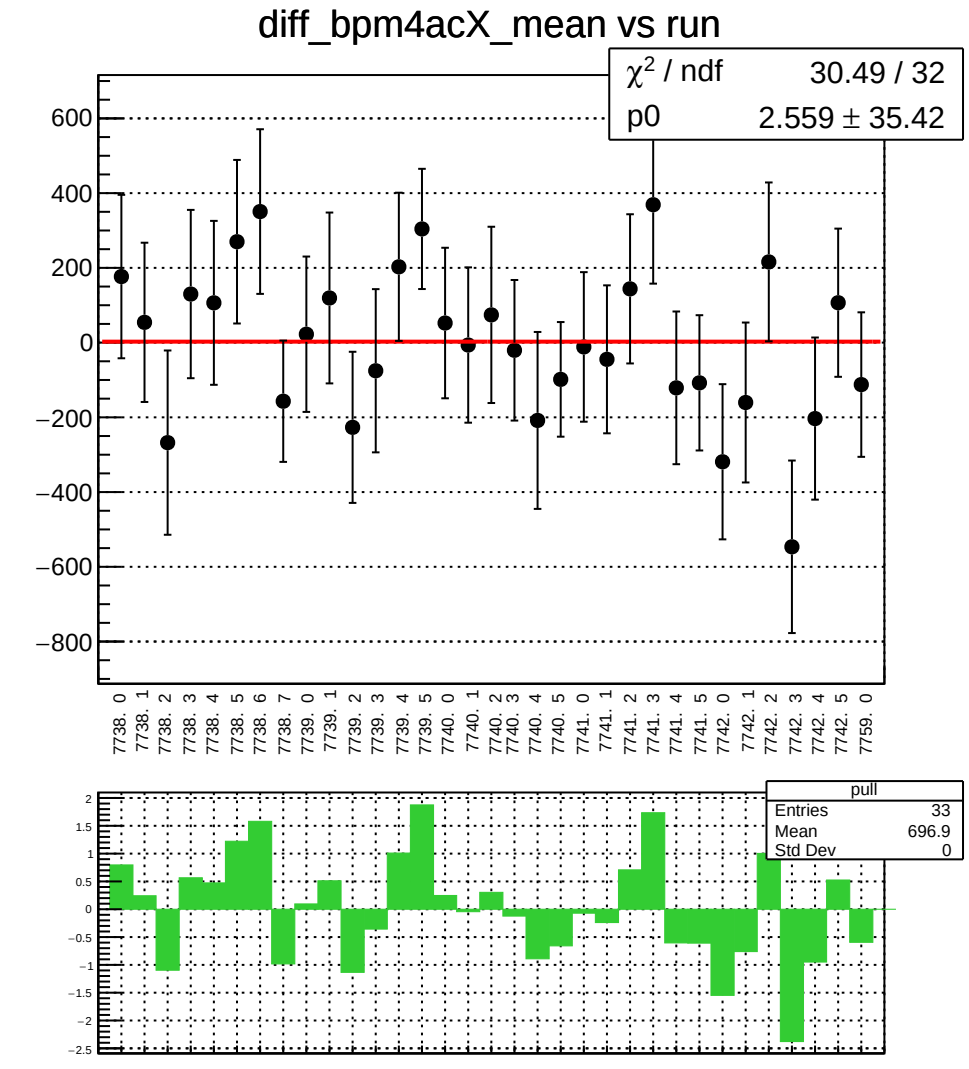

pull1D
Entries 33
Mean 0.004018
Std Dev 0.9612
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

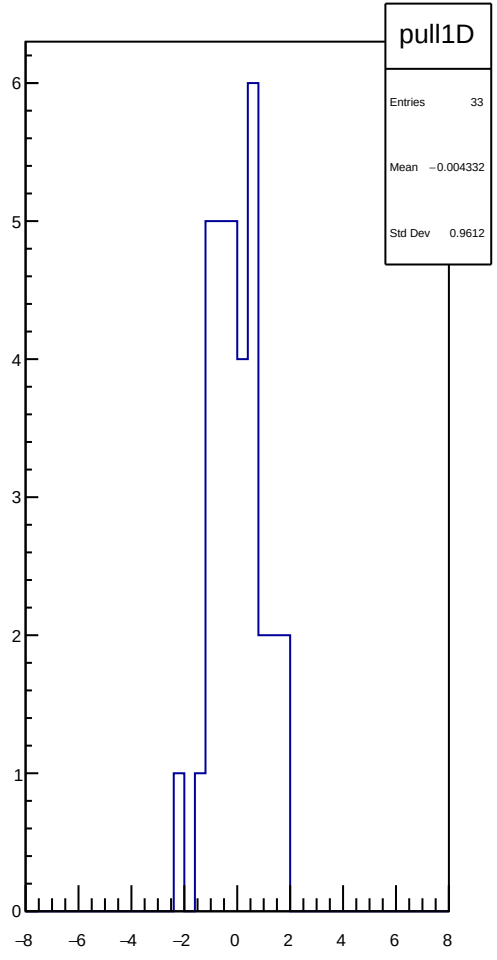

diff_bpm4eX_rms vs run
χ² / ndf 2746 / 32
p0 2.783e+04 ± 34.25
33000
32000
31000
30000
29000
28000
27000
26000
25000
24000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

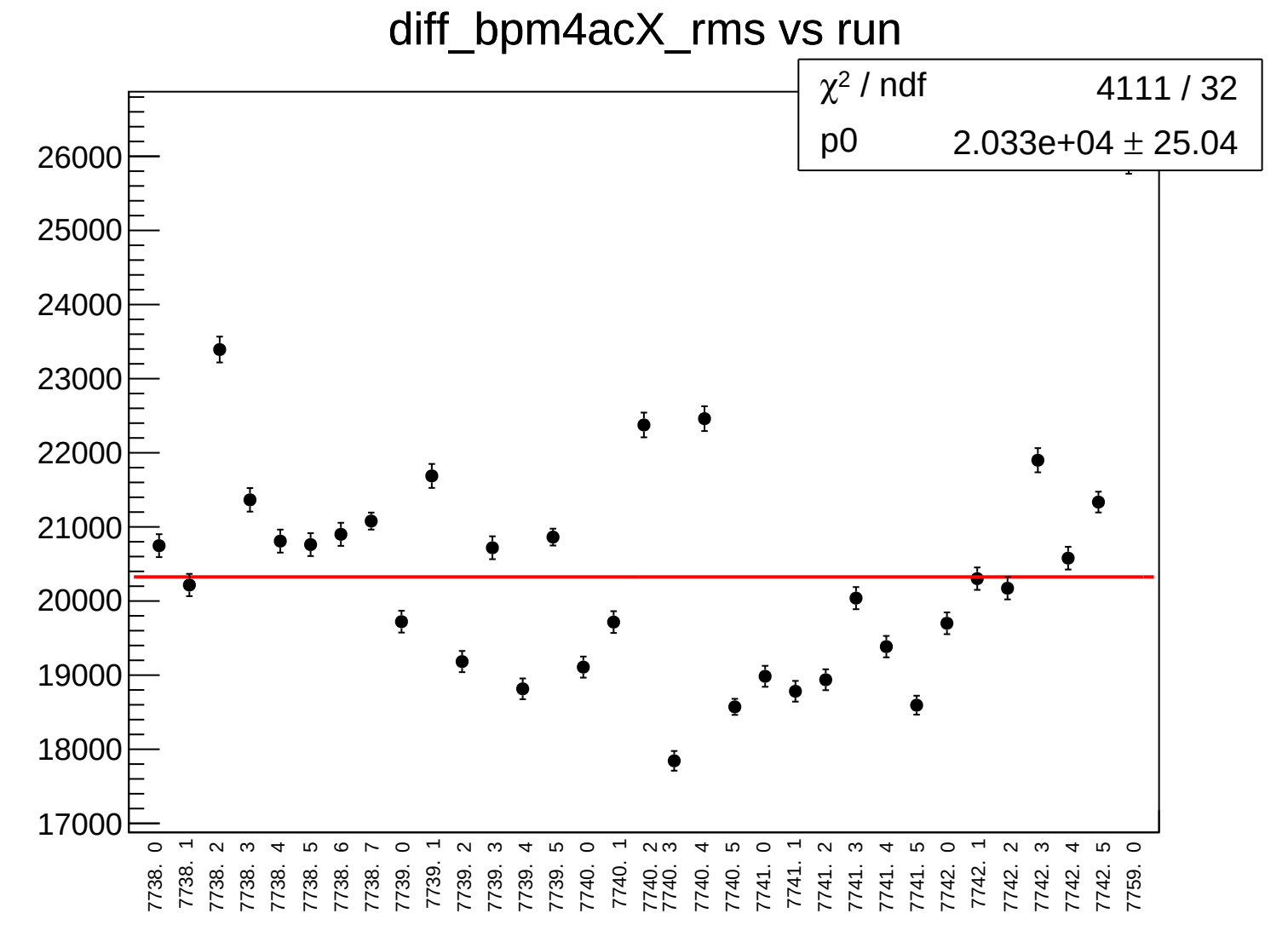

diff_bpm4eY_mean vs run
χ² / ndf 39.1 / 32
p0 11.93 ± 9.088
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

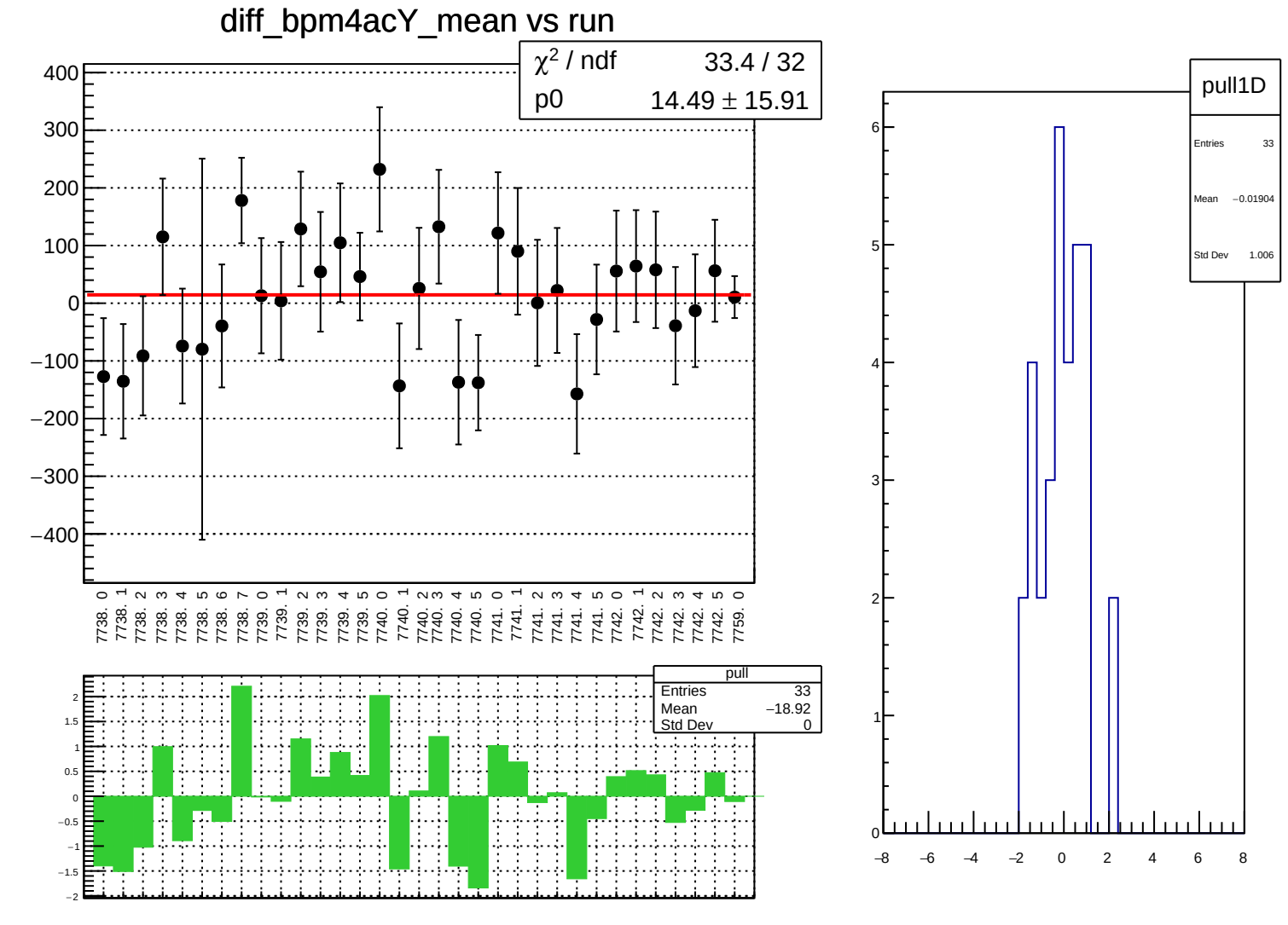

pull1D
Entries 33
Mean −0.03389
Std Dev 1.088
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

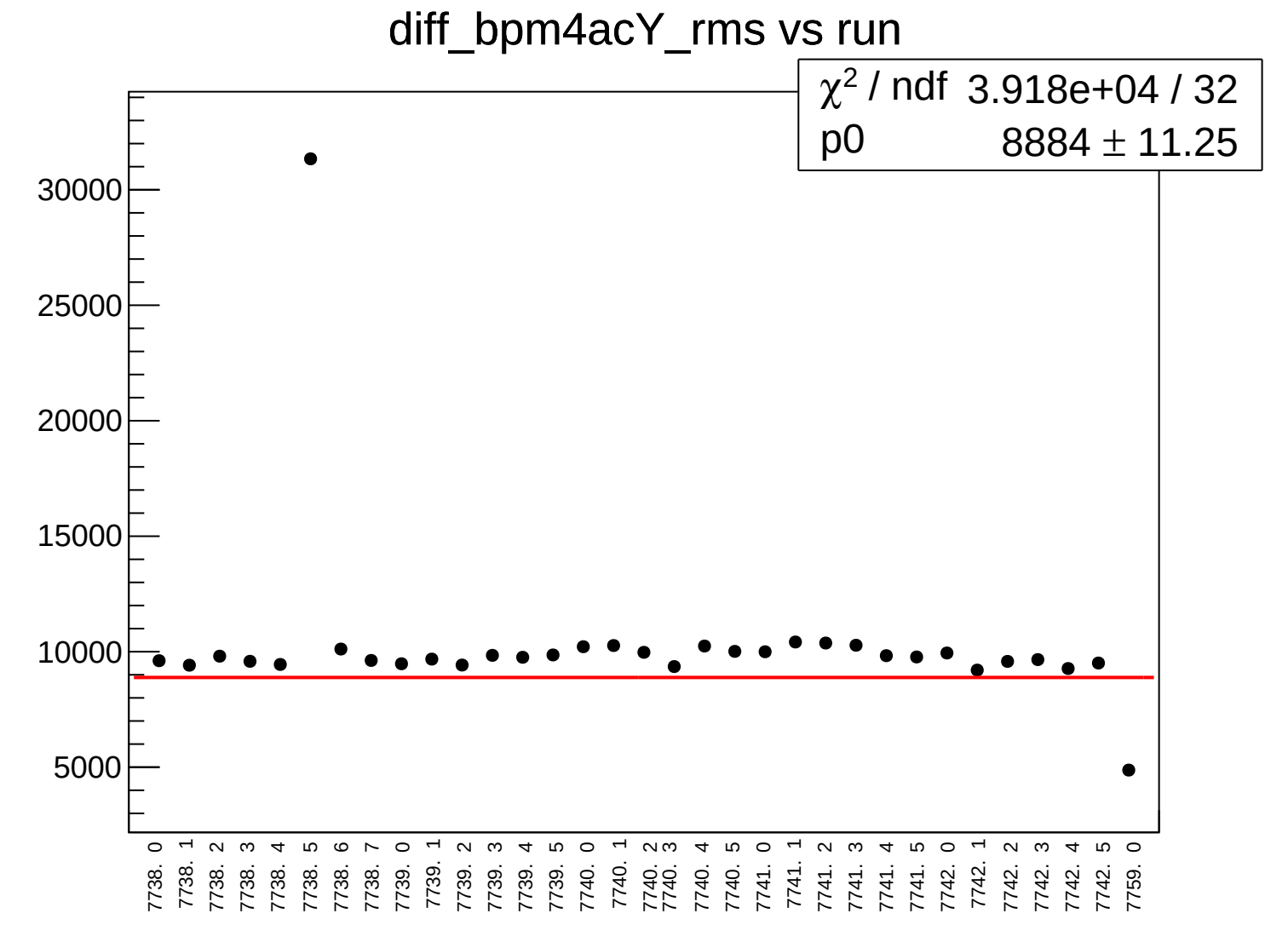

diff_bpm4eY_rms vs run
χ² / ndf 1.068e+04 / 32
p0 5190 ± 6.426
16000
14000
12000
10000
8000
6000
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

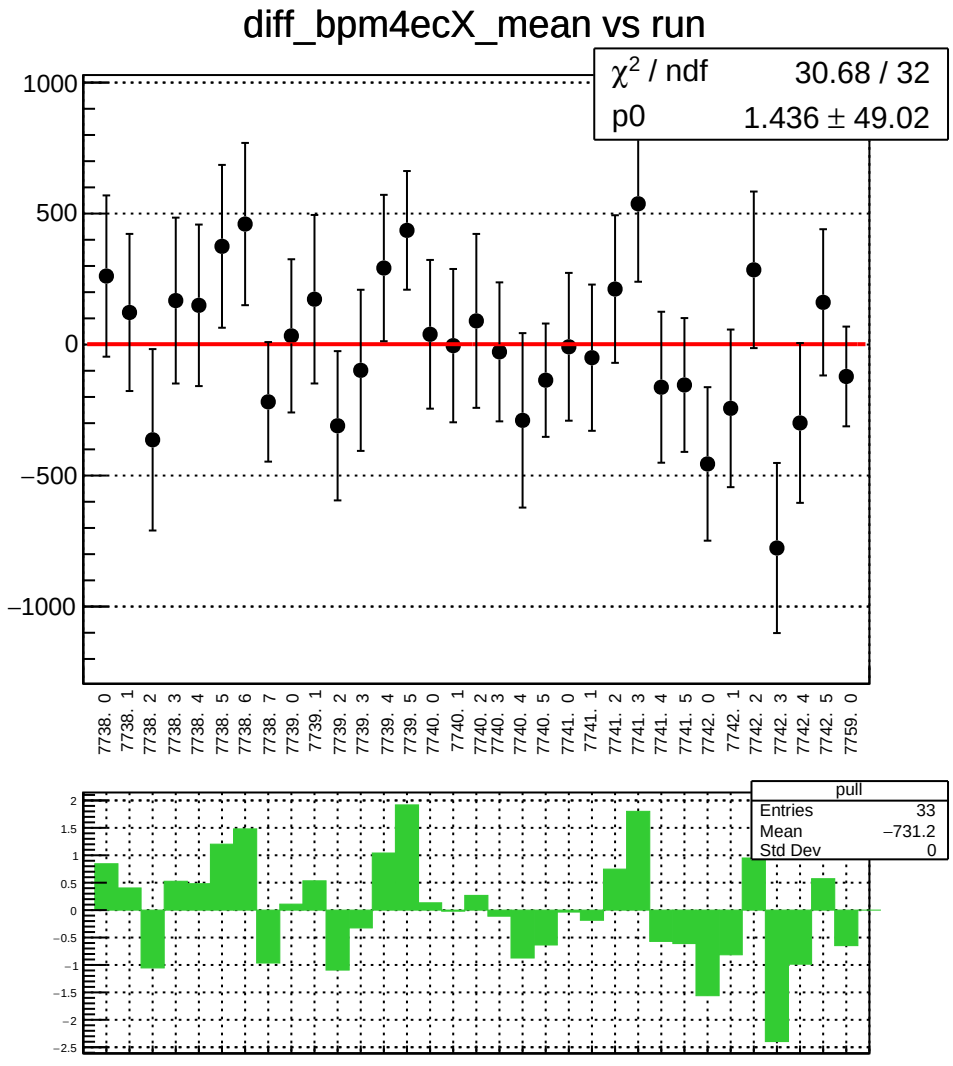

diff_bpm4acX_mean vs run
χ² / ndf 30.49 / 32
p0 2.559 ± 35.42
600
400
200
0
−200
−400
−600
−800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 696.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

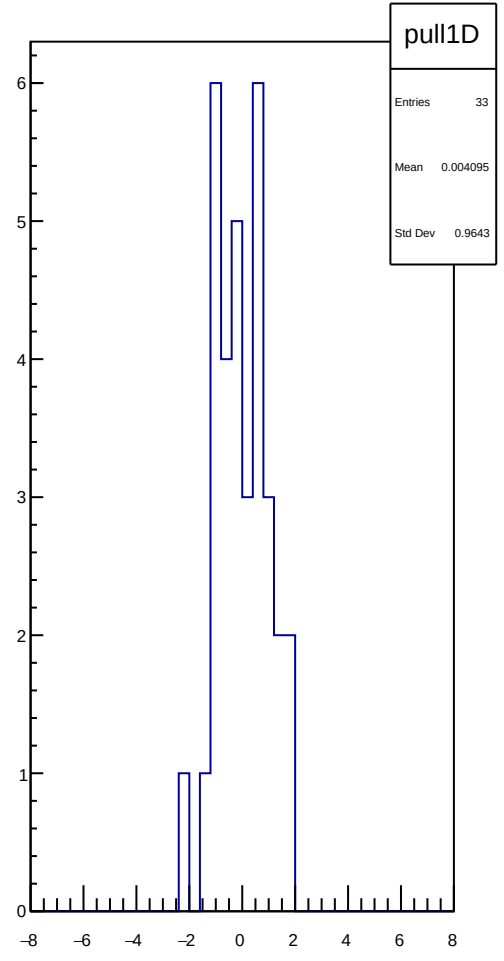

pull1D
Entries 33
Mean −0.004332
Std Dev 0.9612
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

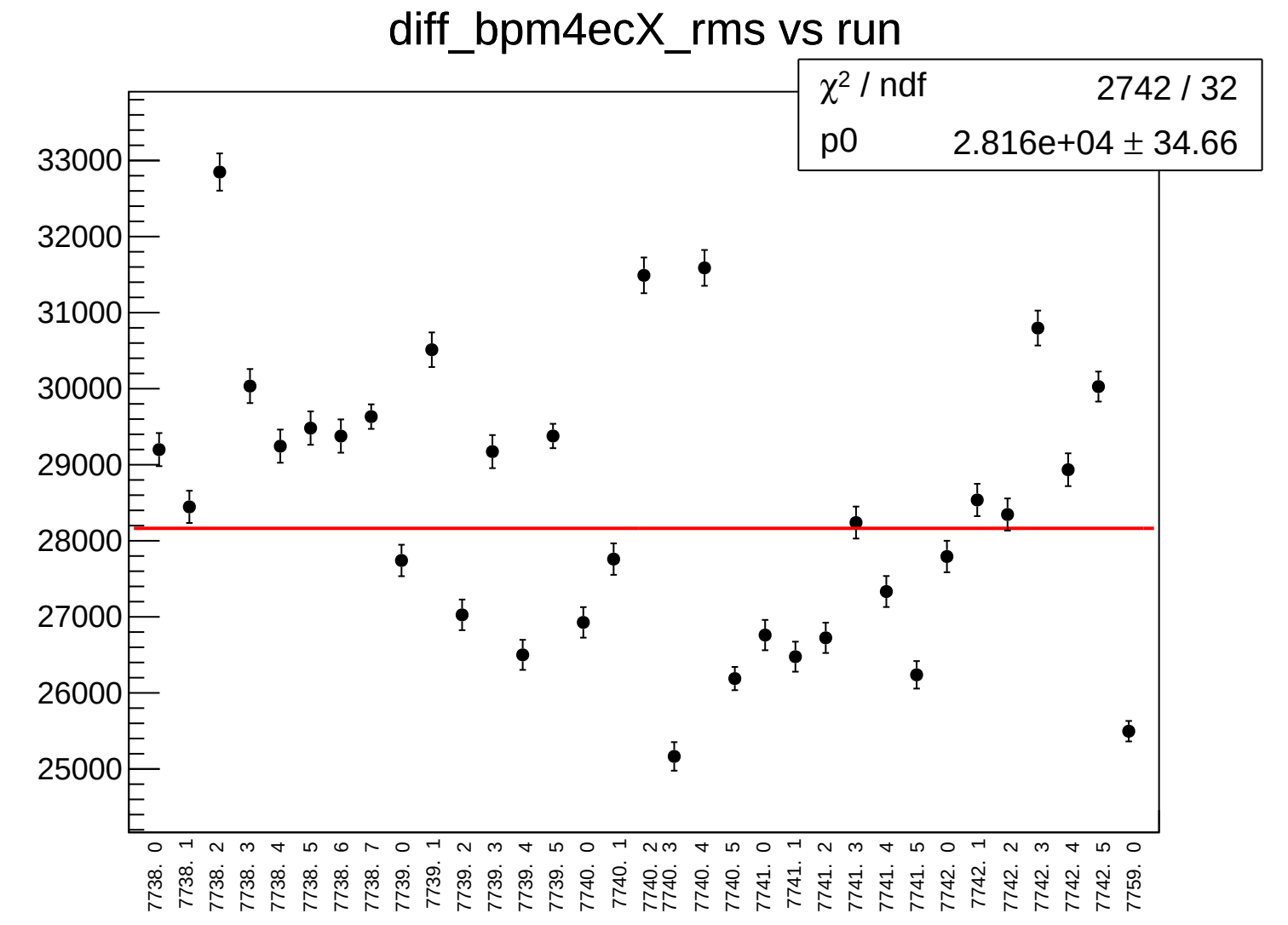

diff_bpm4acX_rms vs run
χ² / ndf 4111 / 32
p0 2.033e+04 ± 25.04
26000
25000
24000
23000
22000
21000
20000
19000
18000
17000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

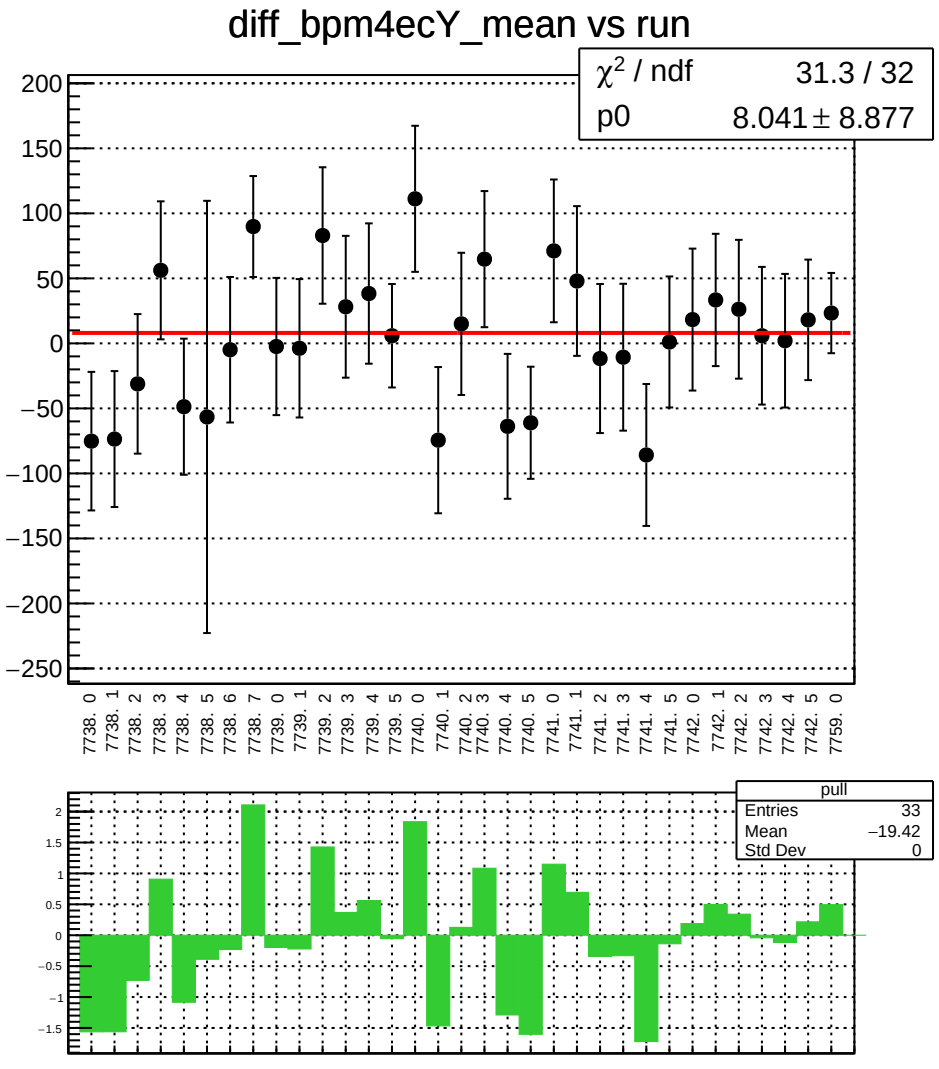

diff_bpm4acY_mean vs run
χ² / ndf 33.4 / 32
p0 14.49 ± 15.91
400
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01904
Std Dev 1.006
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

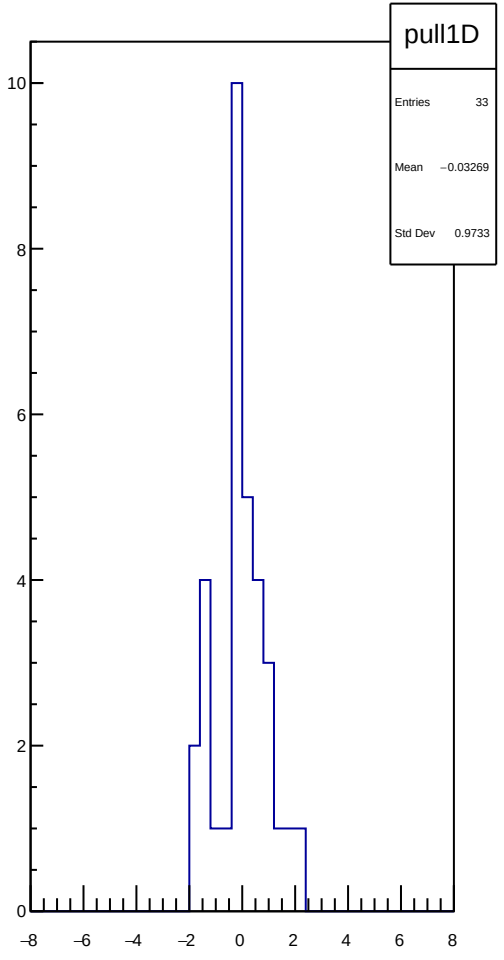

diff_bpm4acY_rms vs run
χ² / ndf 3.918e+04 / 32
p0 8884 ± 11.25
30000
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

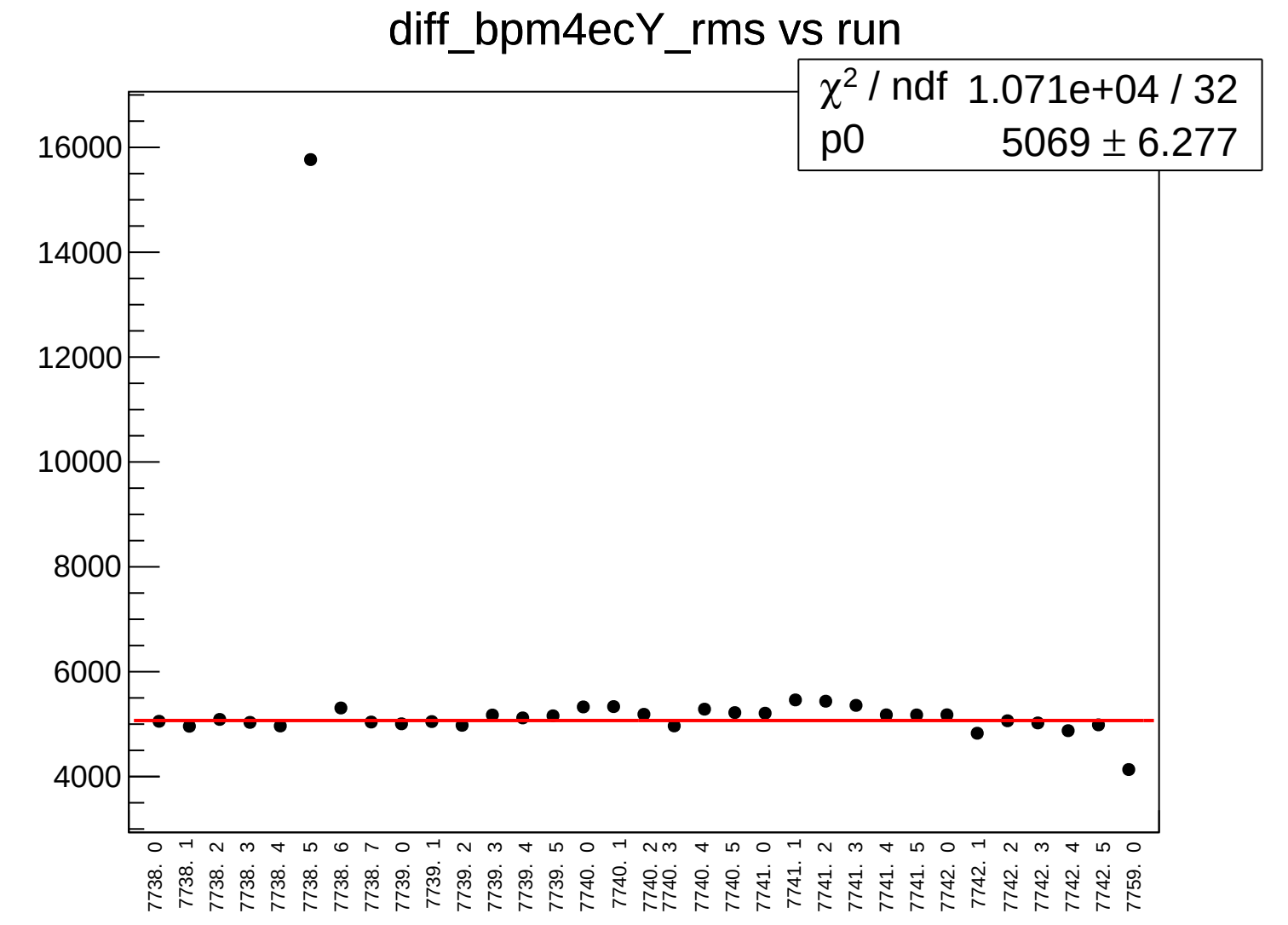

diff_bpm4ecX_mean vs run
χ² / ndf 30.68 / 32
p0 1.436 ± 49.02
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −731.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

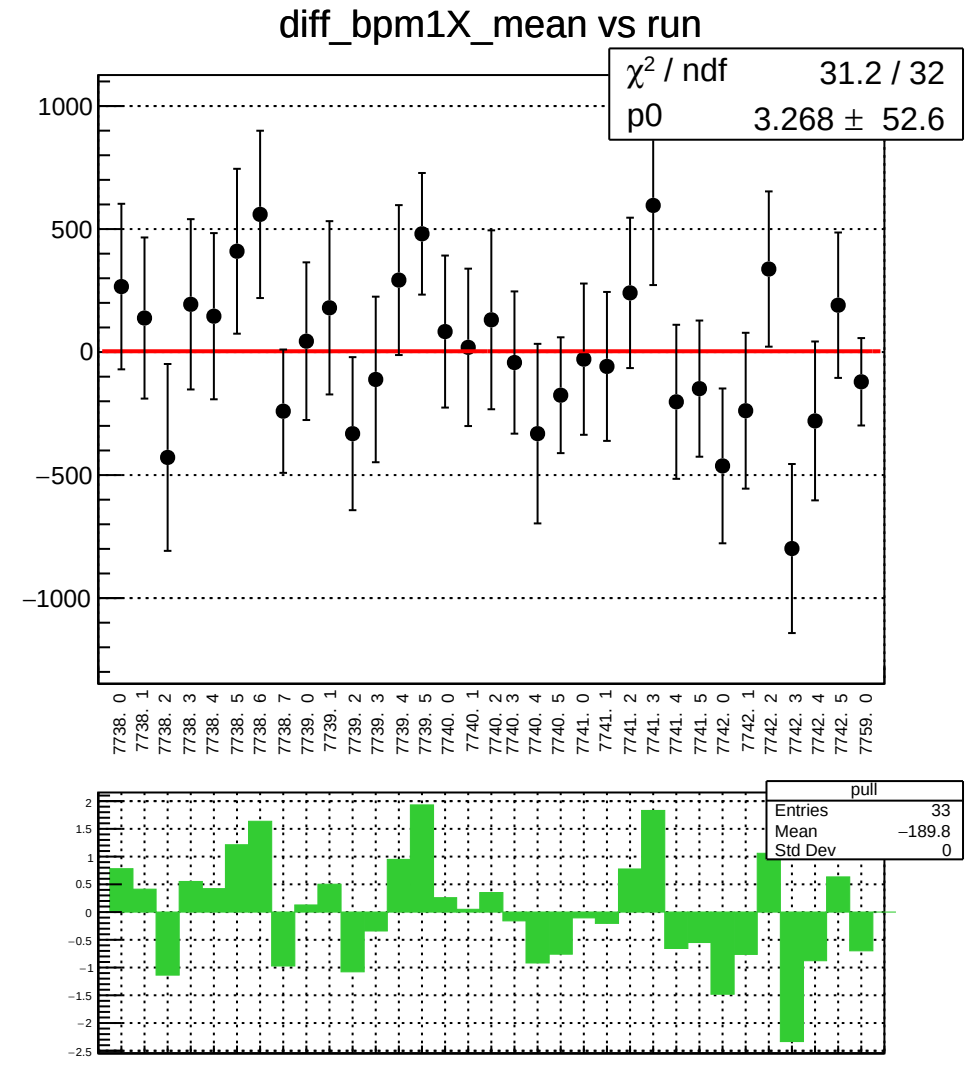

pull1D
Entries 33
Mean 0.004095
Std Dev 0.9643
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

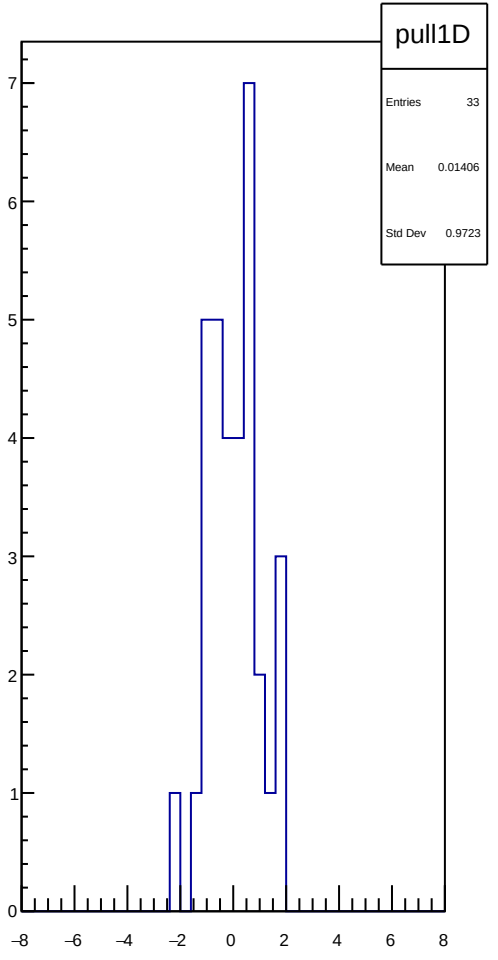

diff_bpm4ecX_rms vs run
χ² / ndf 2742 / 32
p0 2.816e+04 ± 34.66
33000
32000
31000
30000
29000
28000
27000
26000
25000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

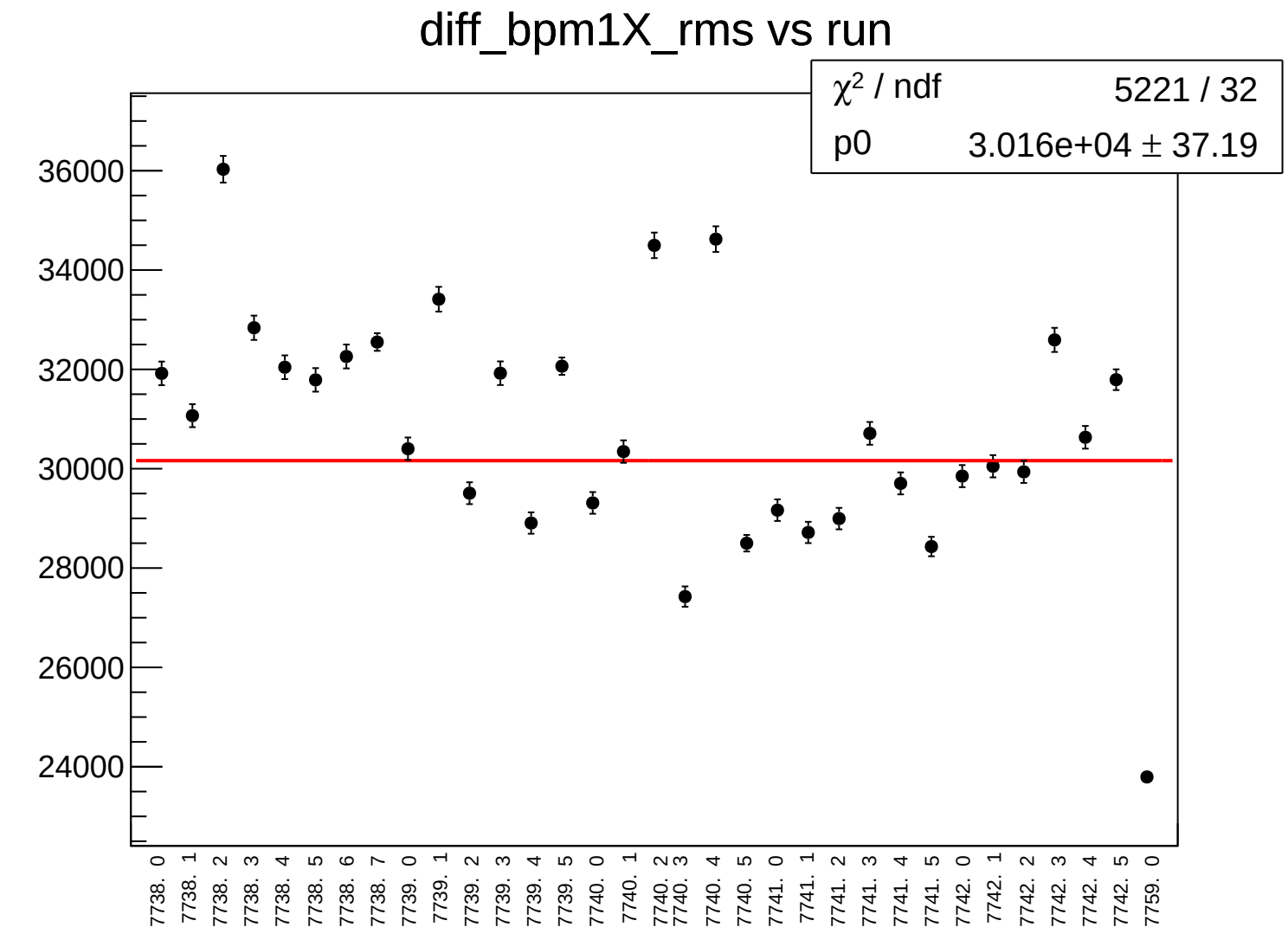

diff_bpm4ecY_mean vs run
χ² / ndf 31.3 / 32
p0 8.041 ± 8.877
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

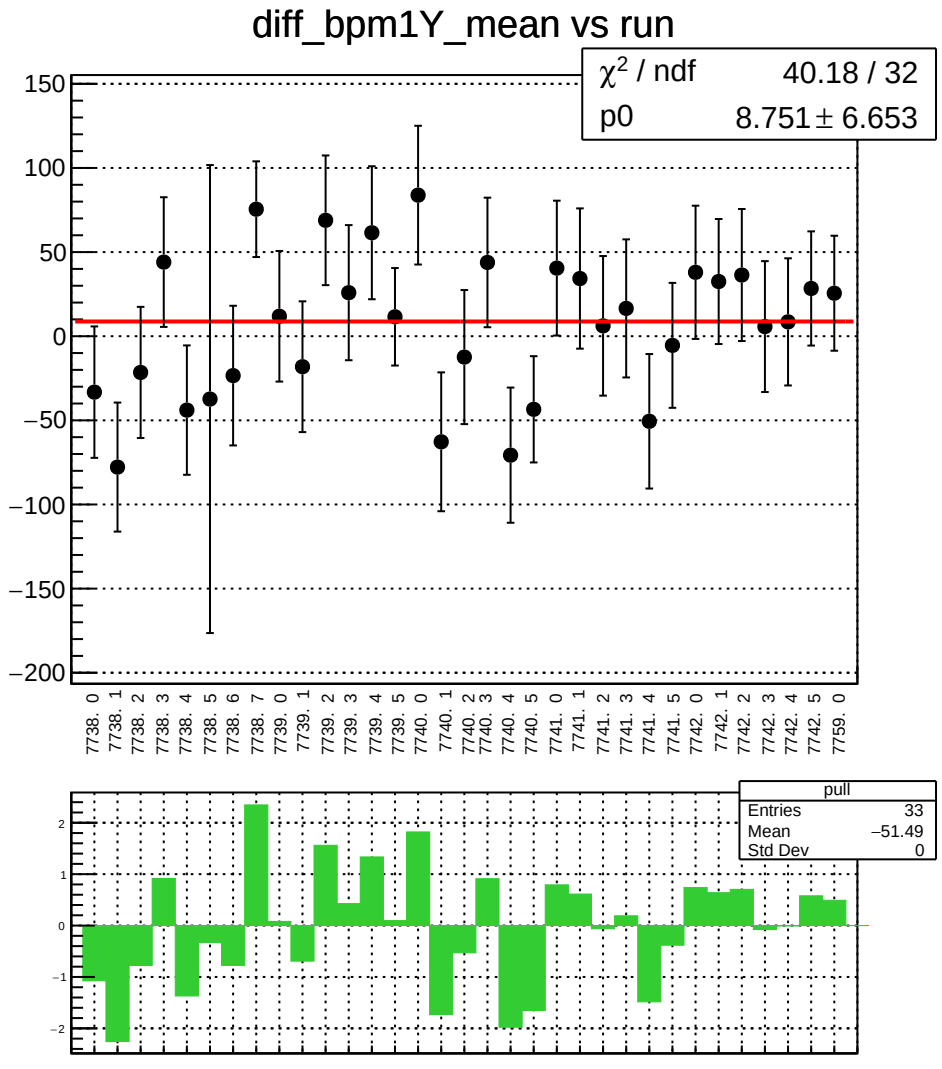

pull1D
Entries 33
Mean −0.03269
Std Dev 0.9733
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

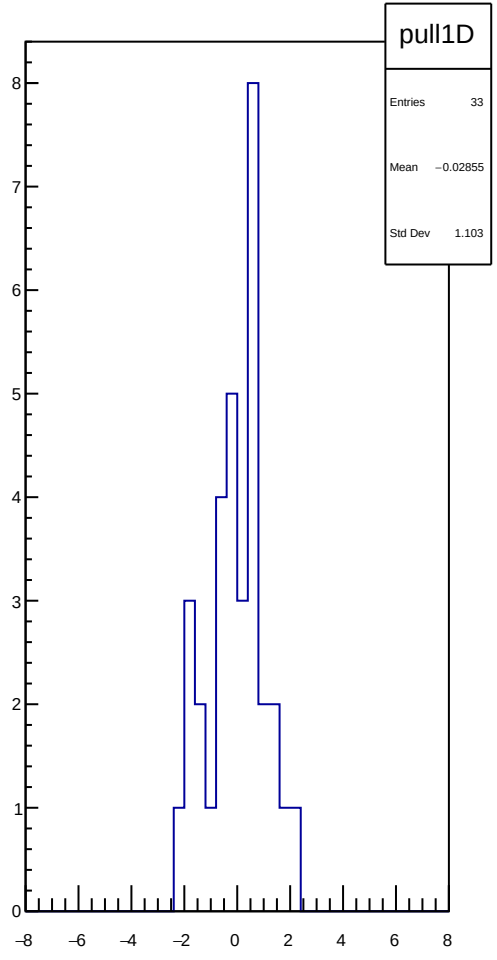

diff_bpm4ecY_rms vs run
χ² / ndf 1.071e+04 / 32
p0 5069 ± 6.277
16000
14000
12000
10000
8000
6000
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

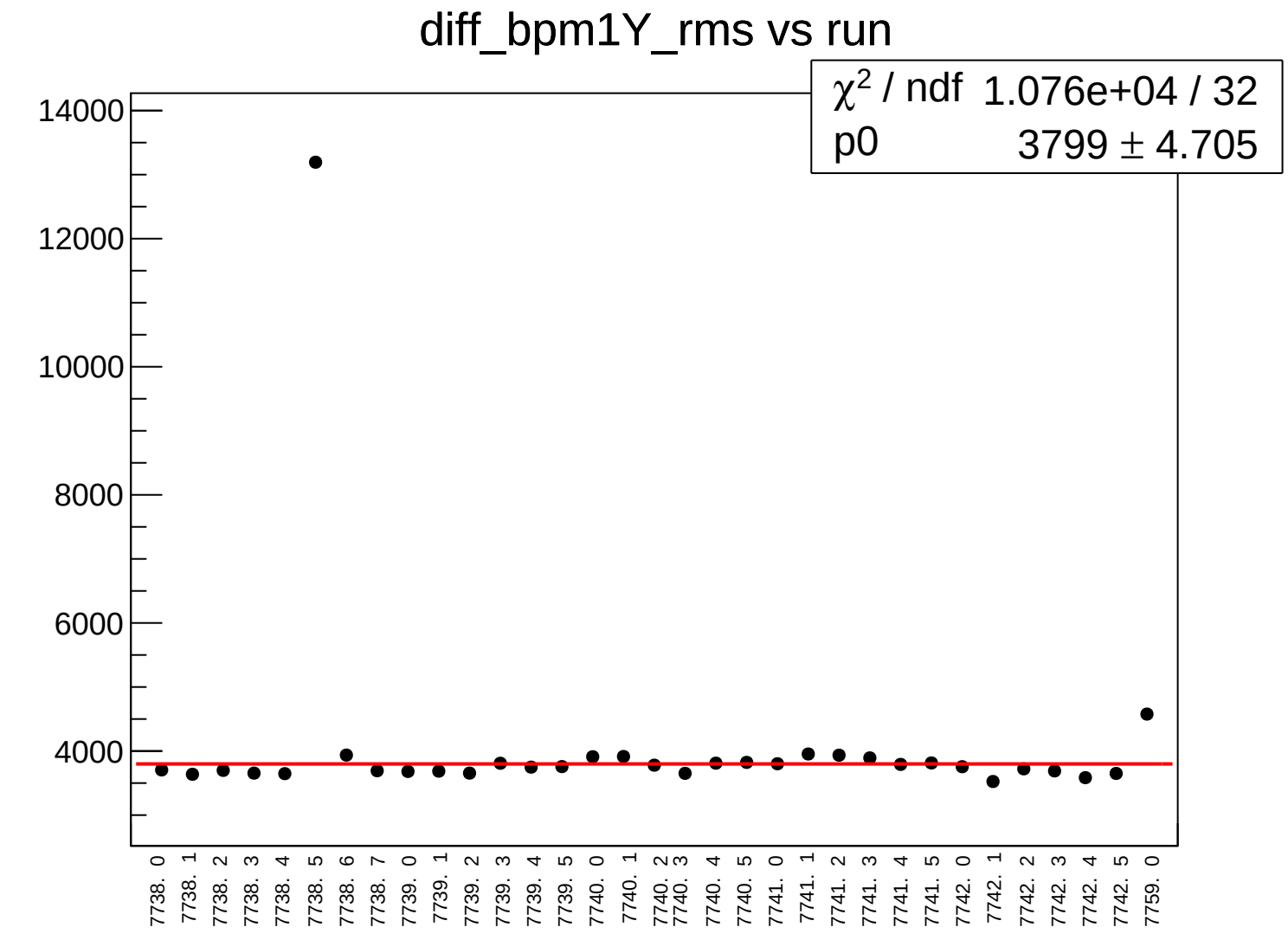

diff_bpm1X_mean vs run
χ² / ndf 31.2 / 32
p0 3.268 ± 52.6
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −189.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

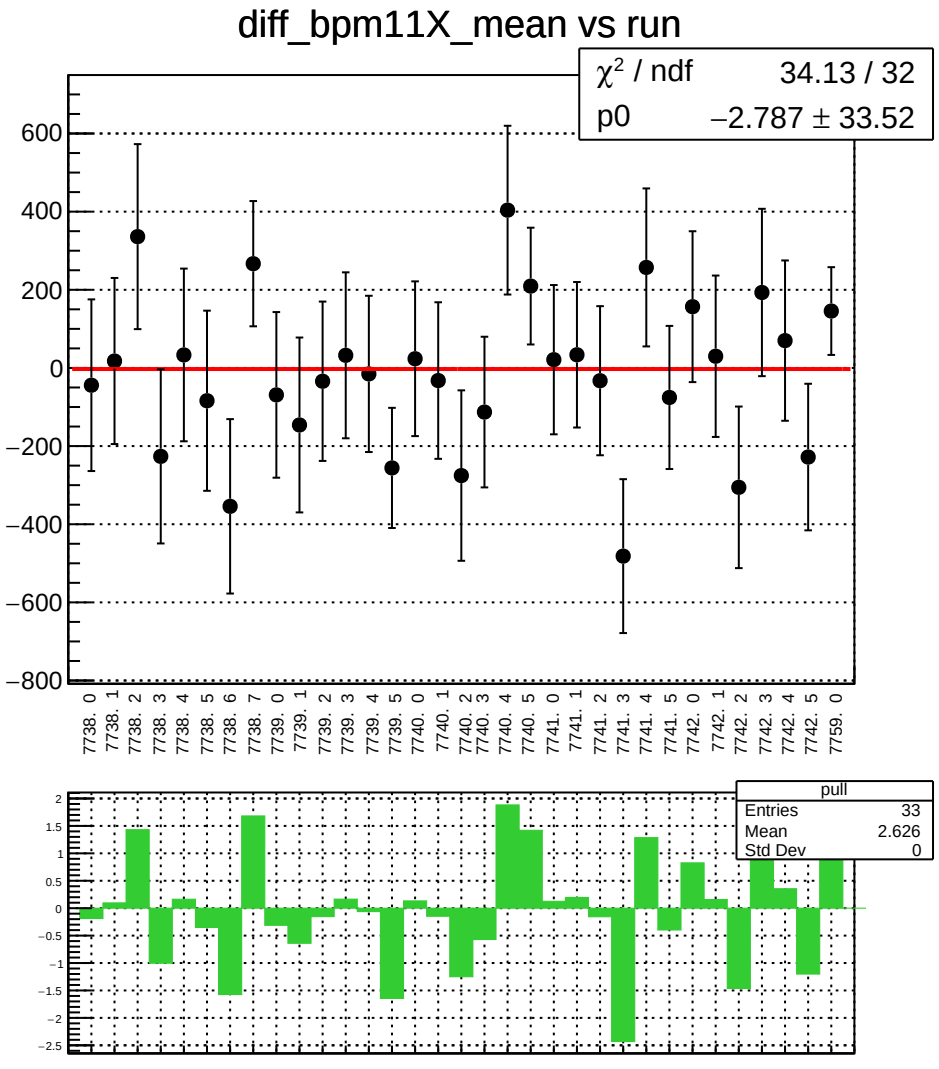

pull1D
Entries 33
Mean 0.01406
Std Dev 0.9723
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

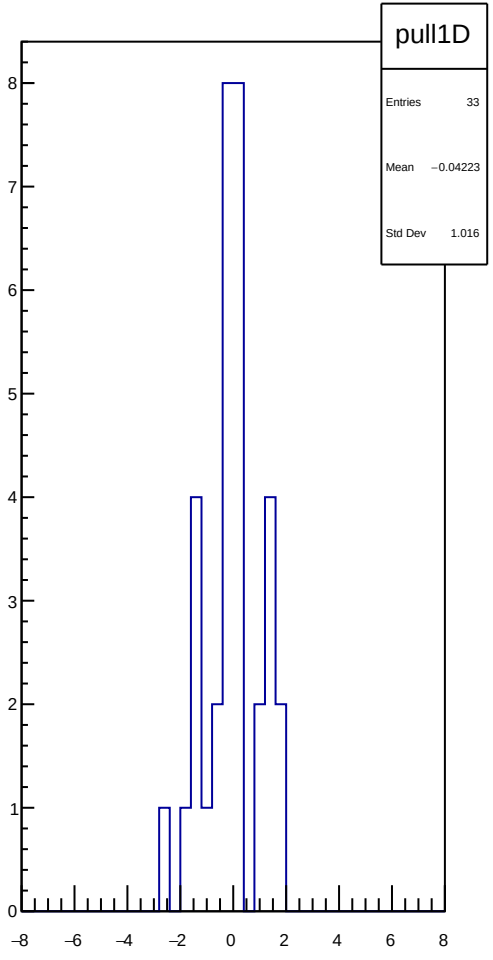

diff_bpm1X_rms vs run
χ² / ndf 5221 / 32
p0 3.016e+04 ± 37.19
36000
34000
32000
30000
28000
26000
24000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

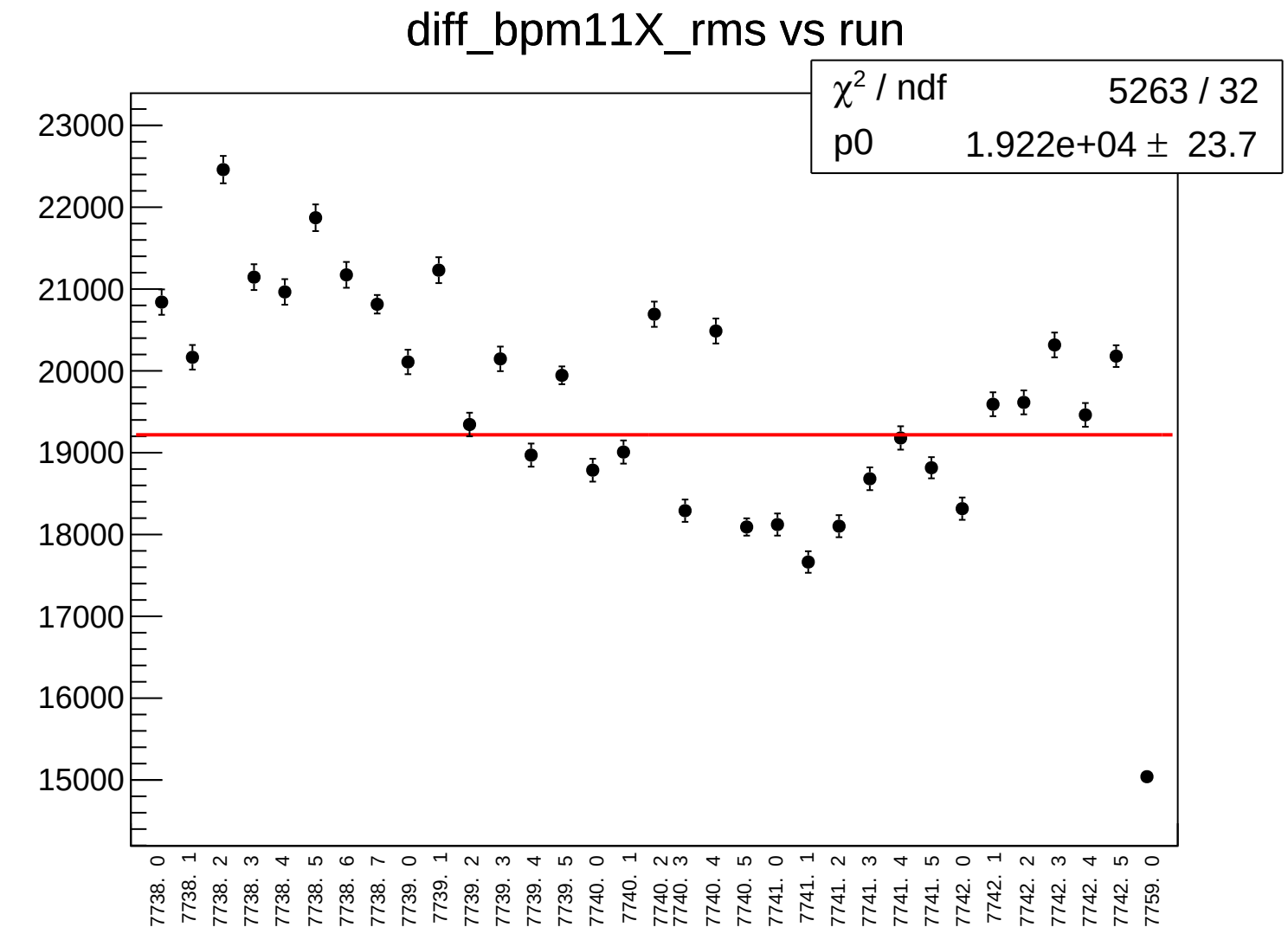

diff_bpm1Y_mean vs run
χ² / ndf 40.18 / 32
p0 8.751 ± 6.653
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −51.49
Std Dev 0
2
1
0
−1
−2

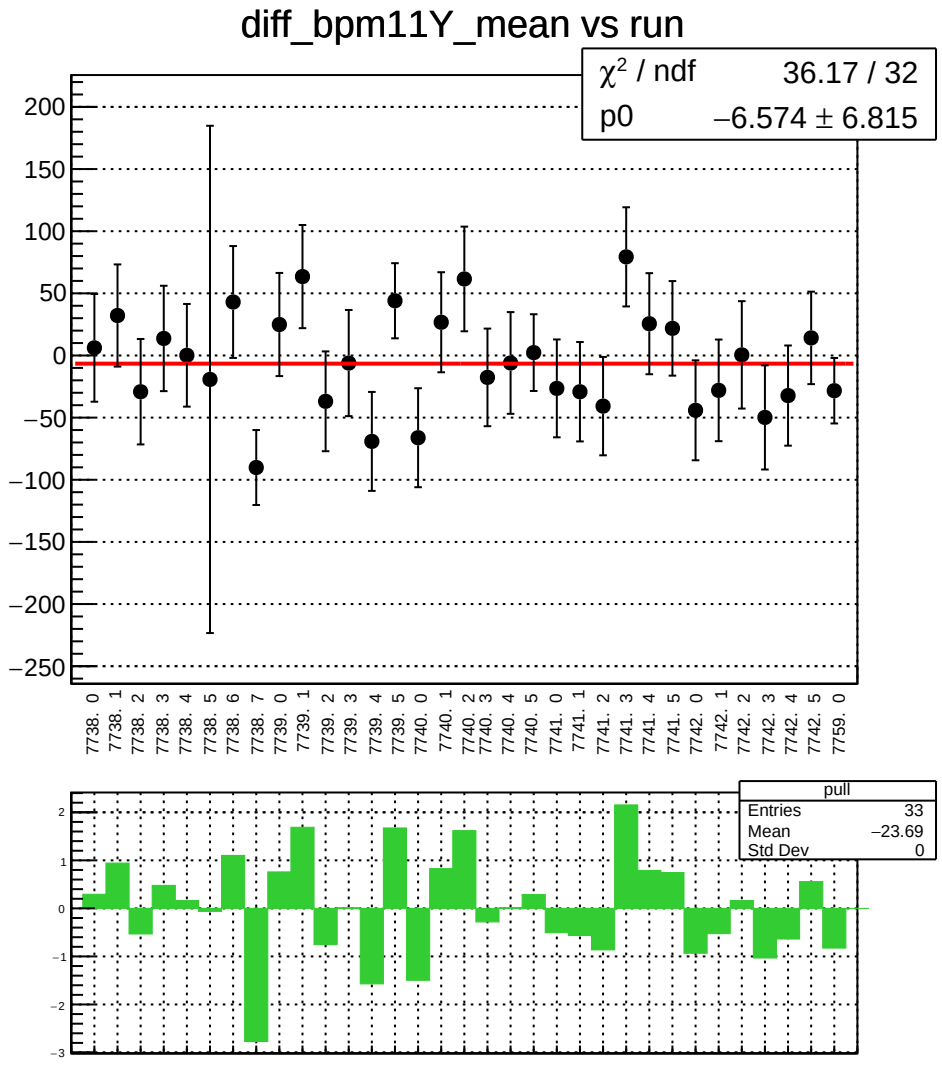

pull1D
Entries 33
Mean −0.02855
Std Dev 1.103
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

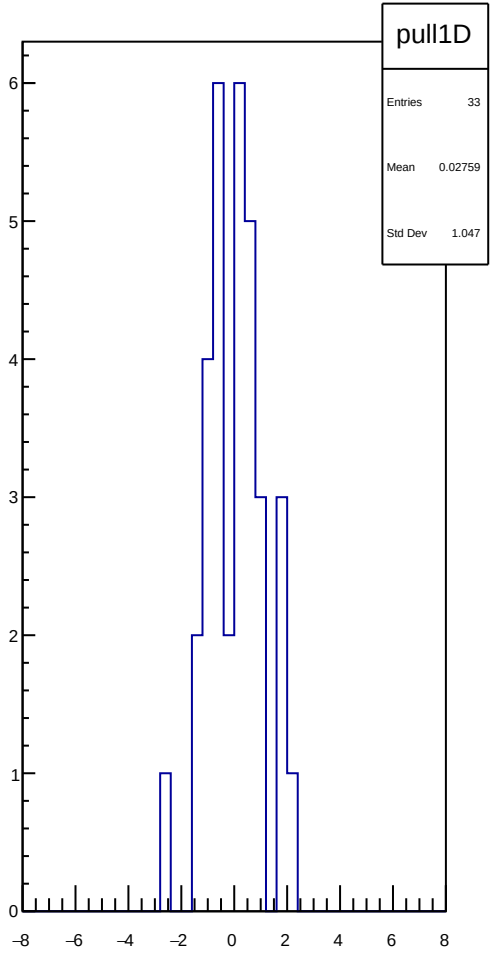

diff_bpm1Y_rms vs run
χ² / ndf 1.076e+04 / 32
p0 3799 ± 4.705
14000
12000
10000
8000
6000
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

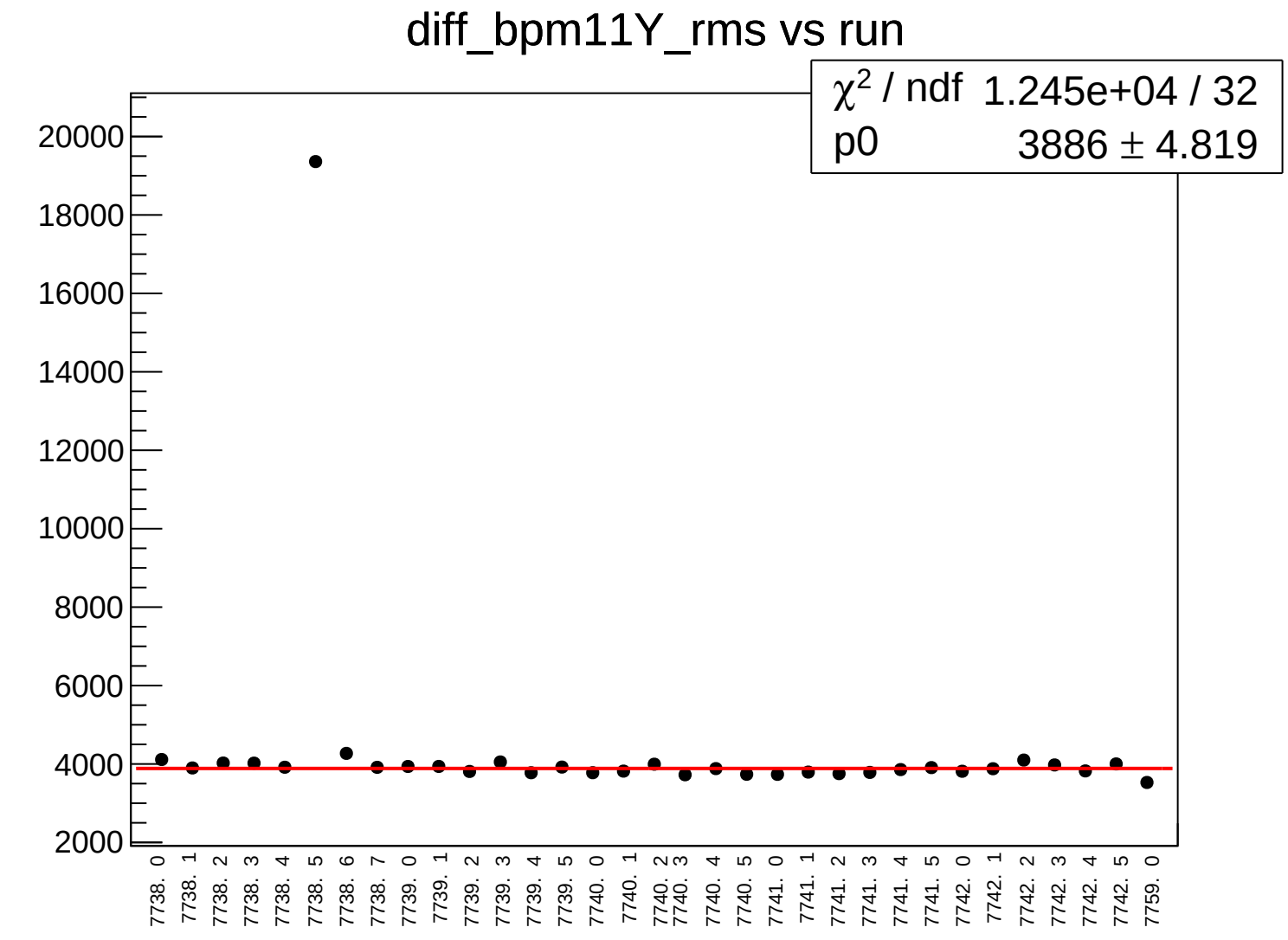

diff_bpm11X_mean vs run
χ² / ndf 34.13 / 32
p0 −2.787 ± 33.52
600
400
200
0
−200
−400
−600
−800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.626
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

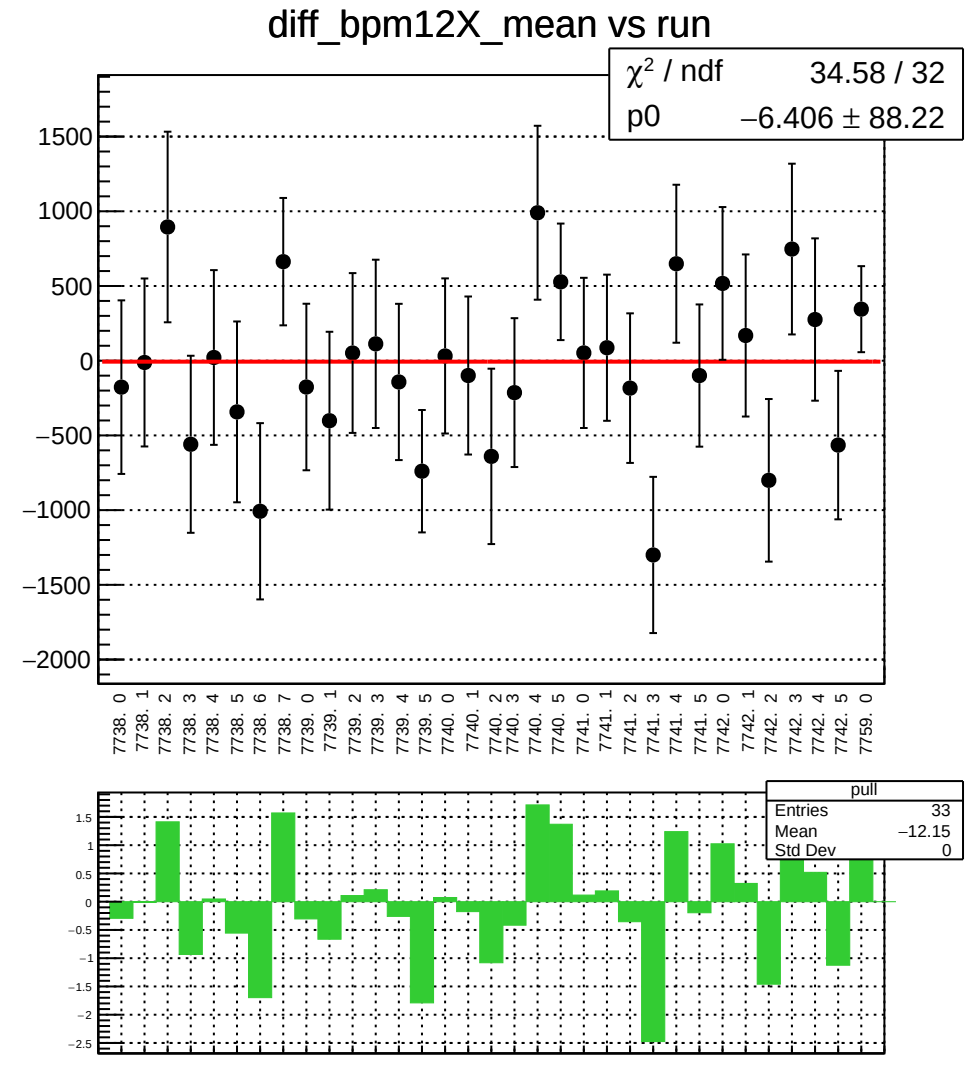

pull1D
Entries 33
Mean −0.04223
Std Dev 1.016
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

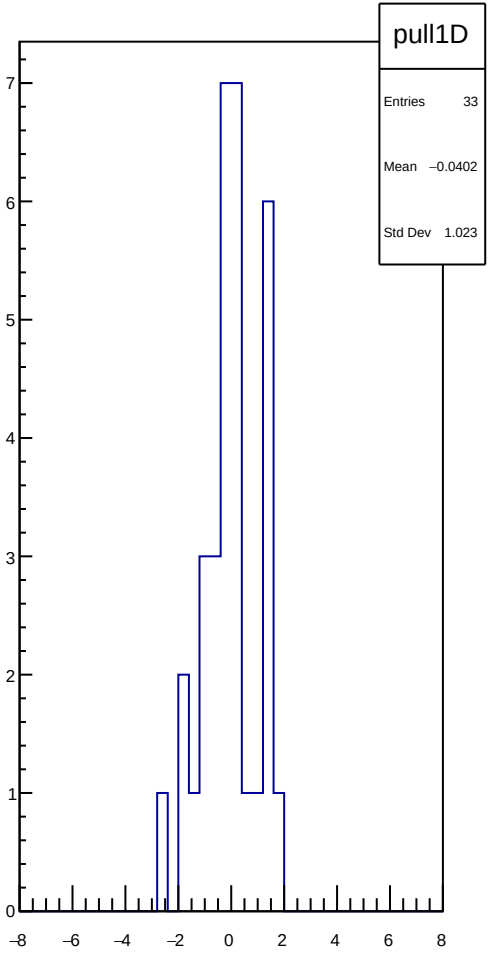

diff_bpm11X_rms vs run
χ² / ndf 5263 / 32
p0 1.922e+04 ± 23.7
23000
22000
21000
20000
19000
18000
17000
16000
15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

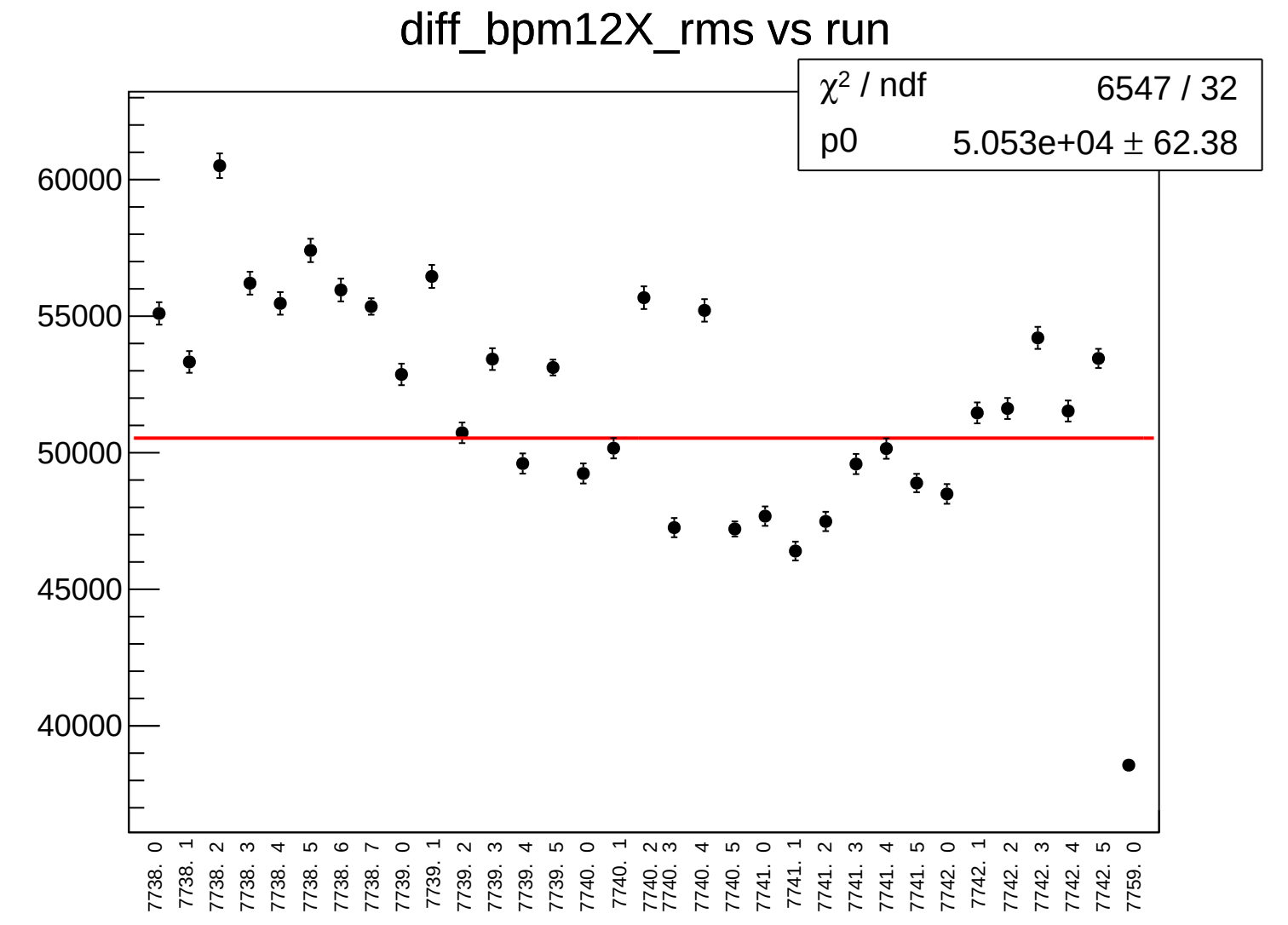

diff_bpm11Y_mean vs run
χ² / ndf 36.17 / 32
p0 −6.574 ± 6.815
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −23.69
Std Dev 0
2
1
0
−1
−2
−3

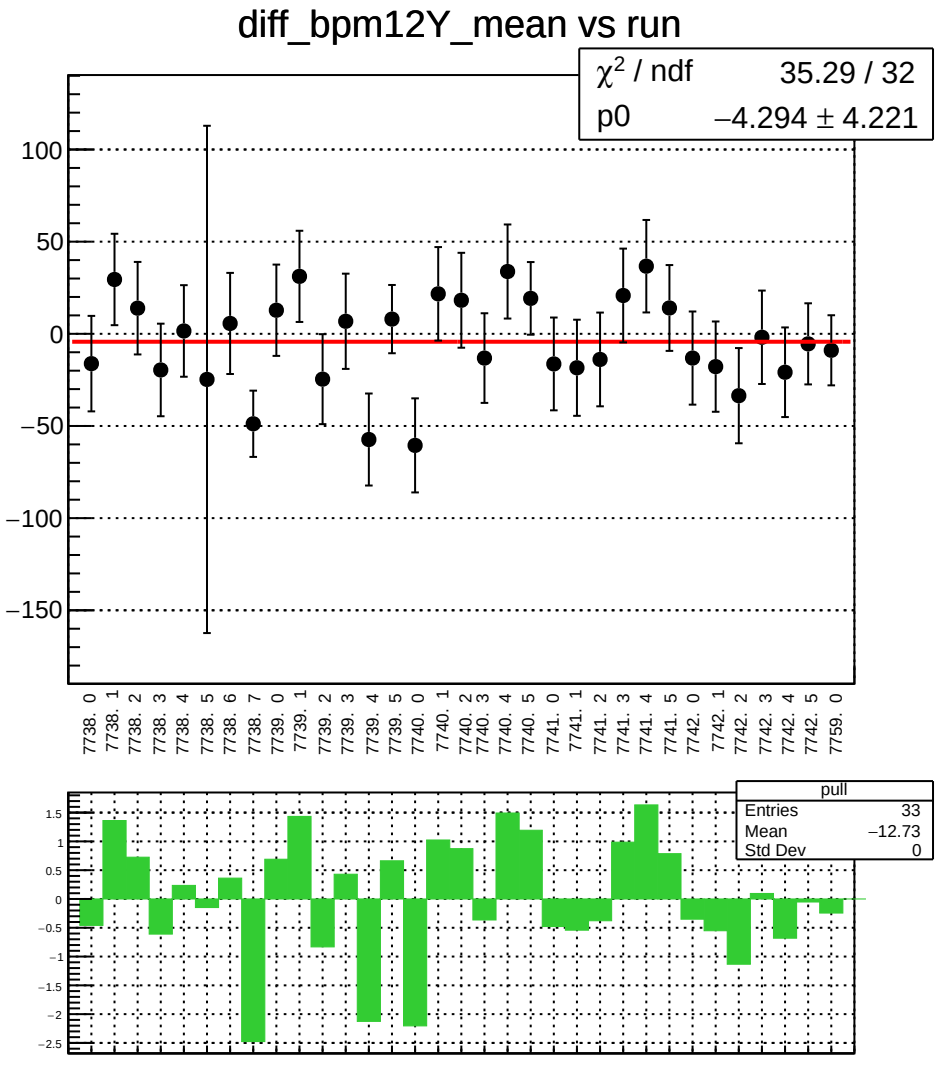

pull1D
Entries 33
Mean 0.02759
Std Dev 1.047
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

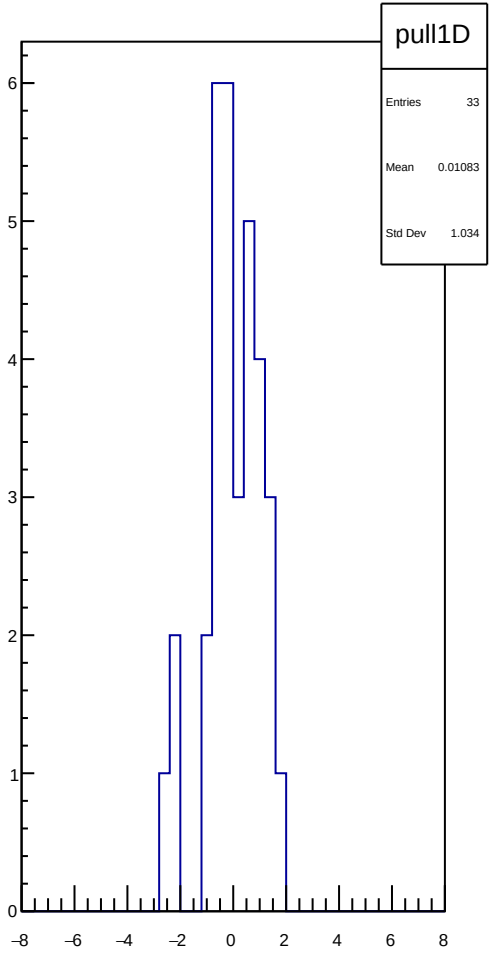

diff_bpm11Y_rms vs run
χ² / ndf 1.245e+04 / 32
p0 3886 ± 4.819
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

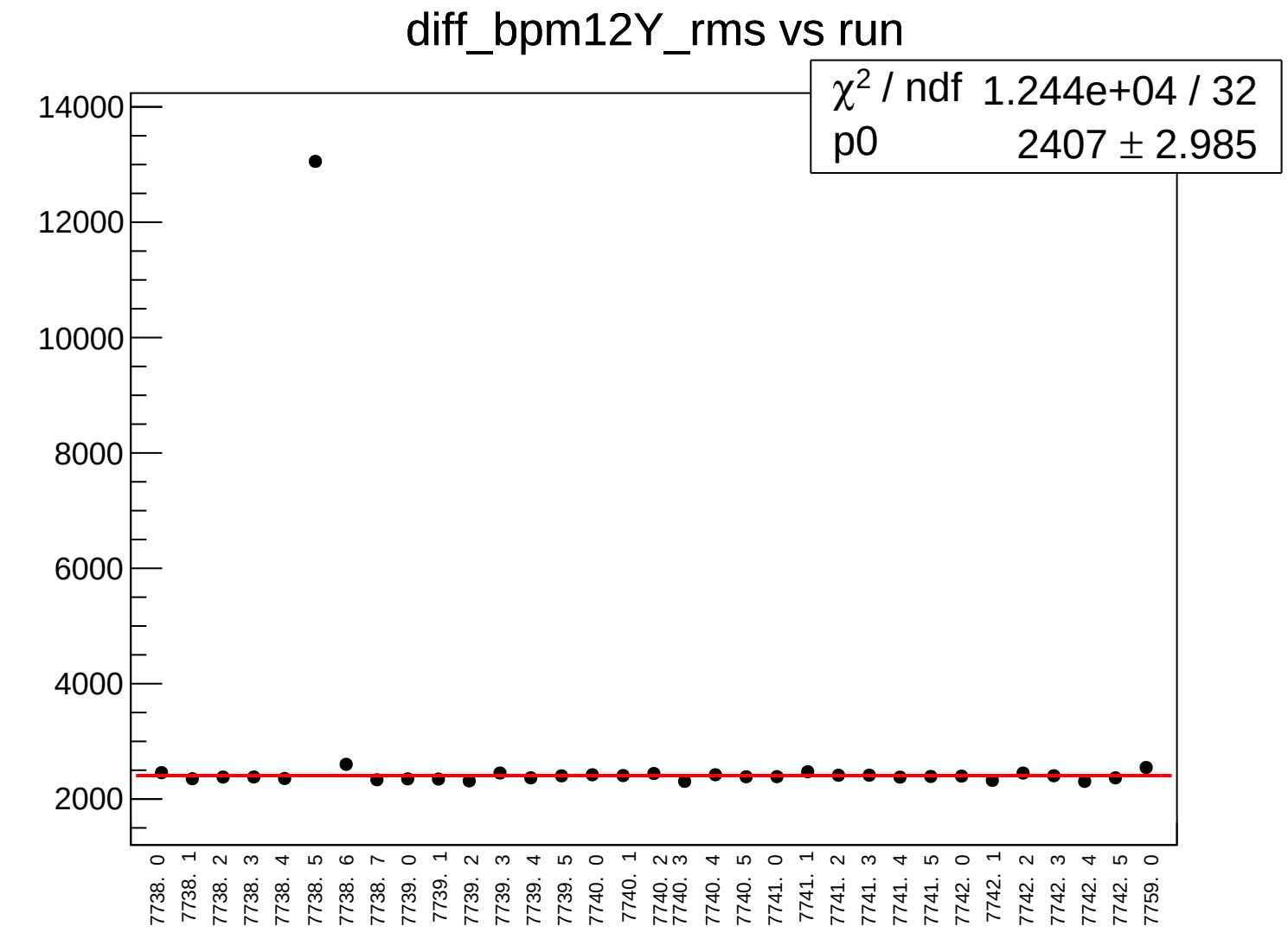

diff_bpm12X_mean vs run
χ² / ndf 34.58 / 32
p0 −6.406 ± 88.22
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

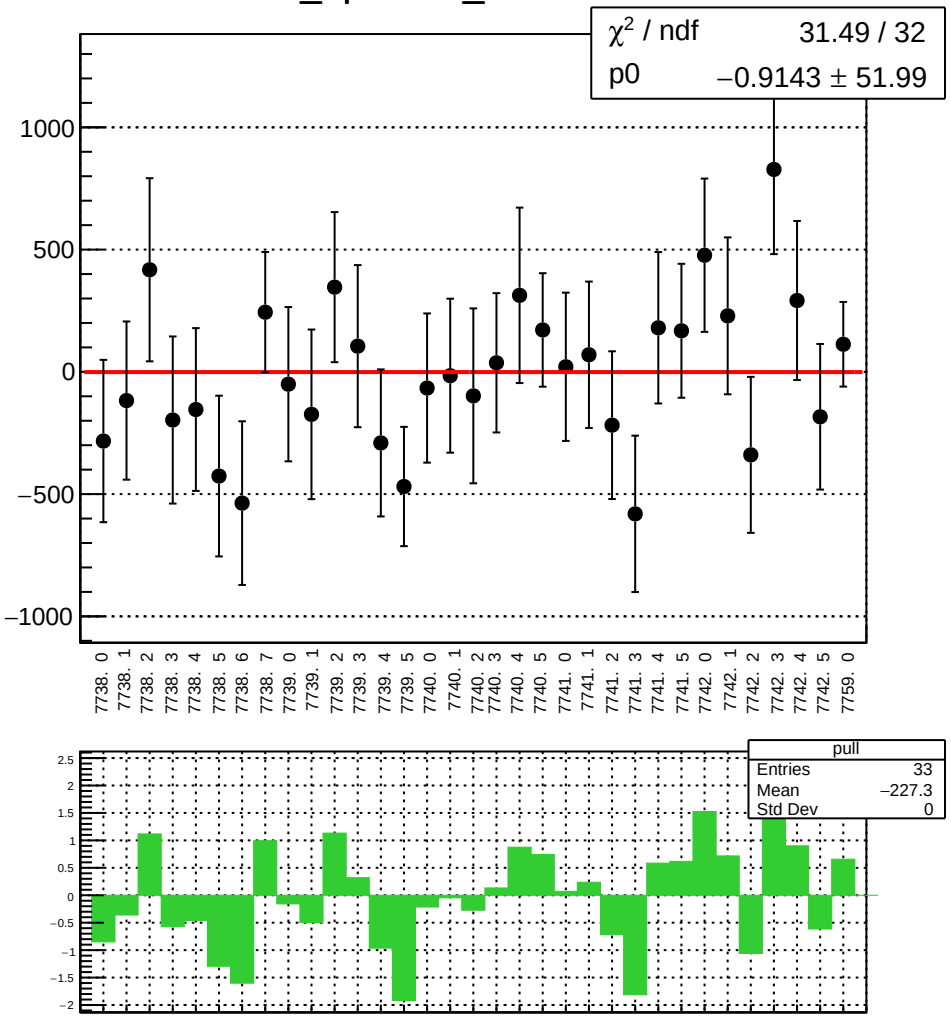

pull1D
Entries 33
Mean −0.0402
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

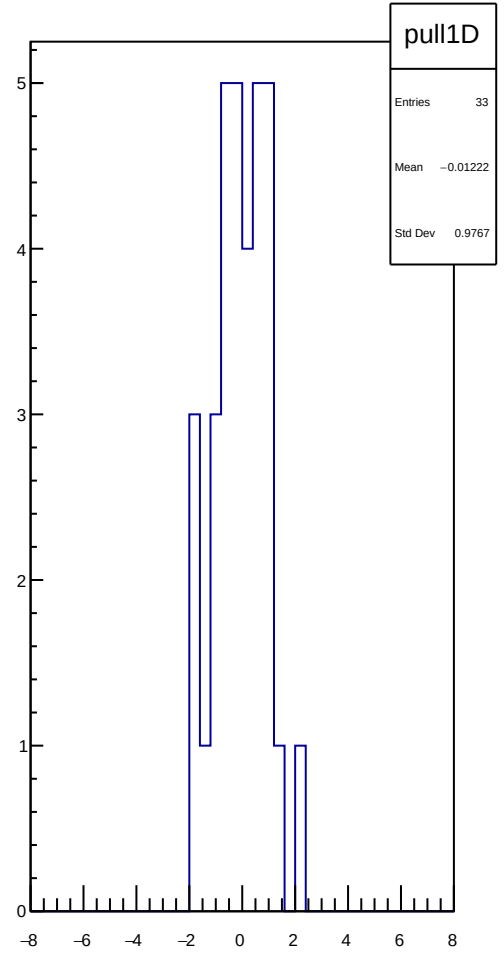

diff_bpm12X_rms vs run
χ² / ndf 6547 / 32
p0 5.053e+04 ± 62.38
60000
55000
50000
45000
40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

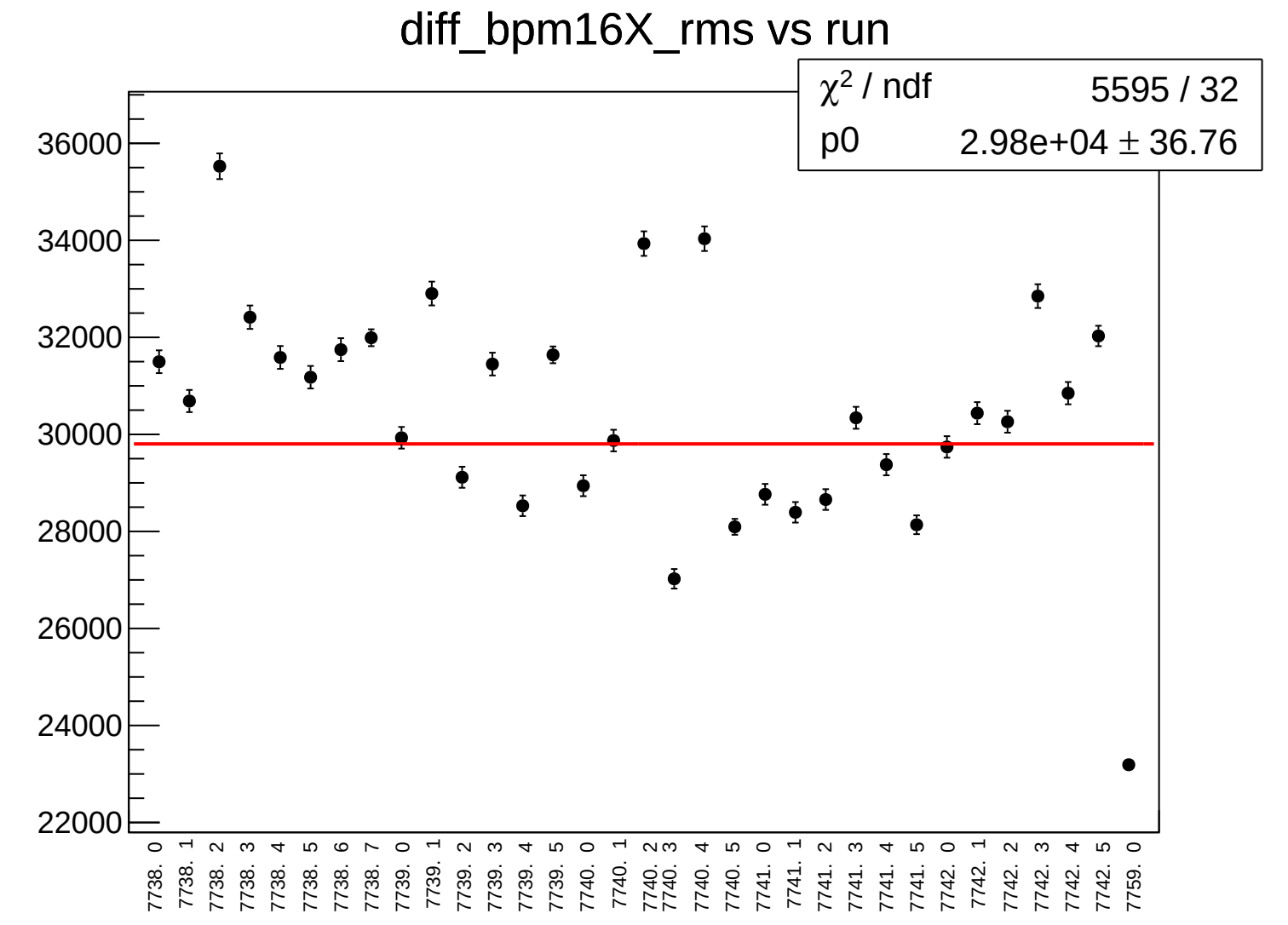

diff_bpm12Y_mean vs run
χ² / ndf 35.29 / 32
p0 −4.294 ± 4.221
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.73
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

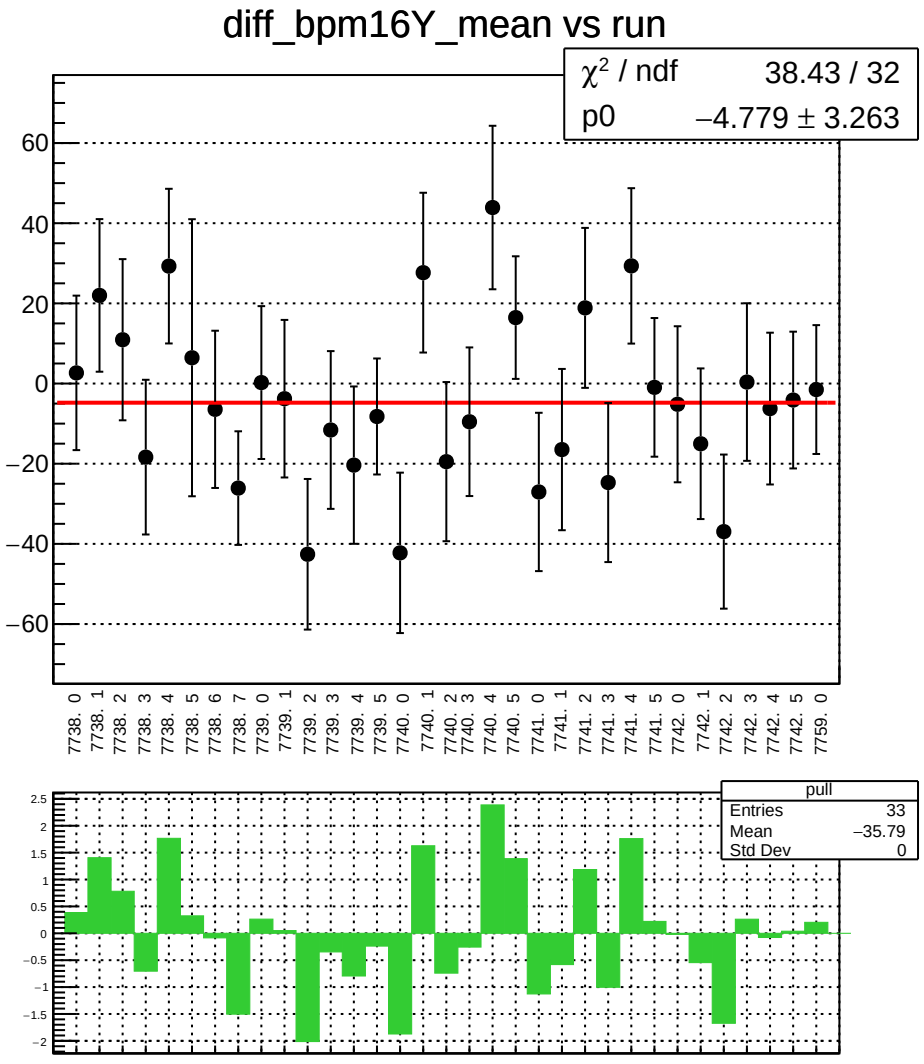

pull1D
Entries 33
Mean 0.01083
Std Dev 1.034
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

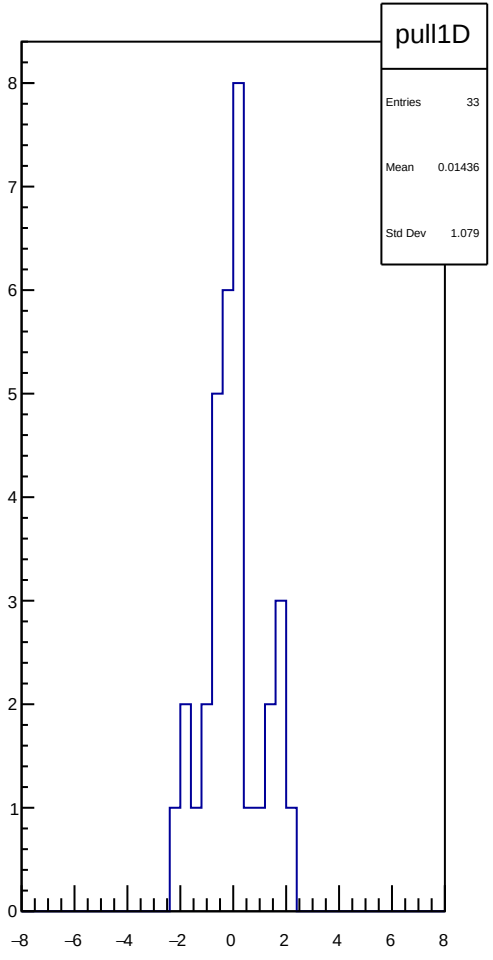

diff_bpm12Y_rms vs run
χ² / ndf 1.244e+04 / 32
p0 2407 ± 2.985
14000
12000
10000
8000
6000
4000
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

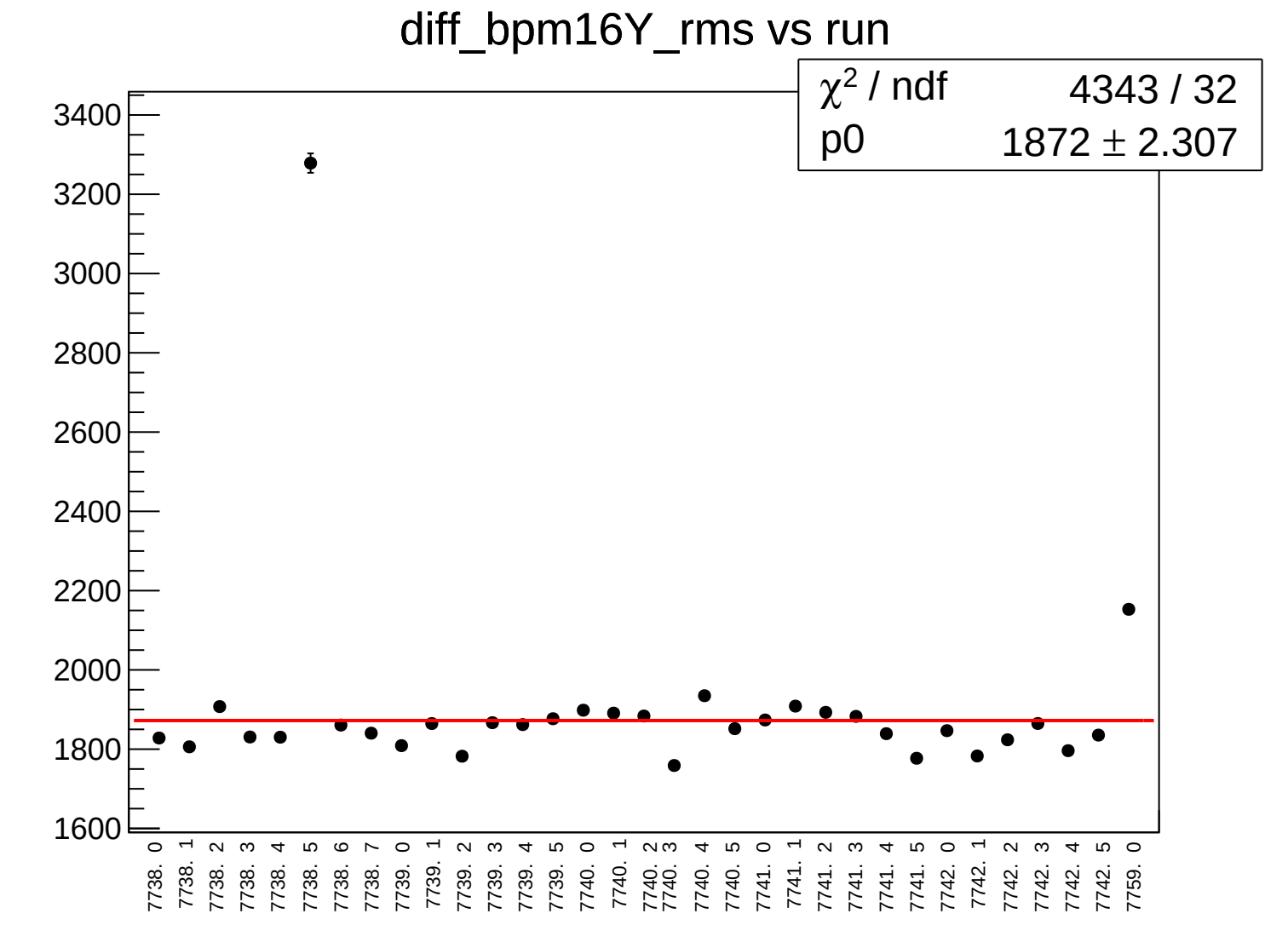

diff_bpm16X_mean vs run
χ² / ndf 31.49 / 32
p0 −0.9143 ± 51.99
1000
500
0
−500
−1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −227.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

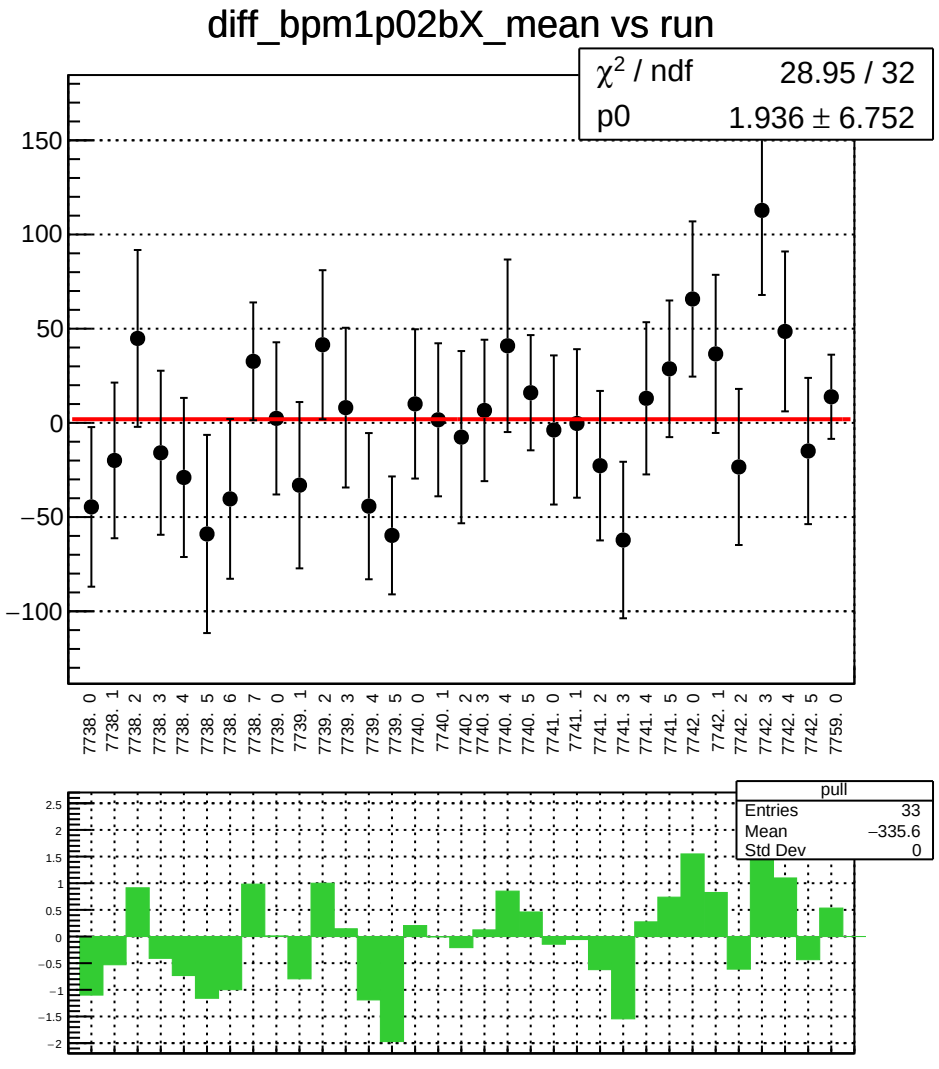

pull1D
Entries 33
Mean −0.01222
Std Dev 0.9767
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

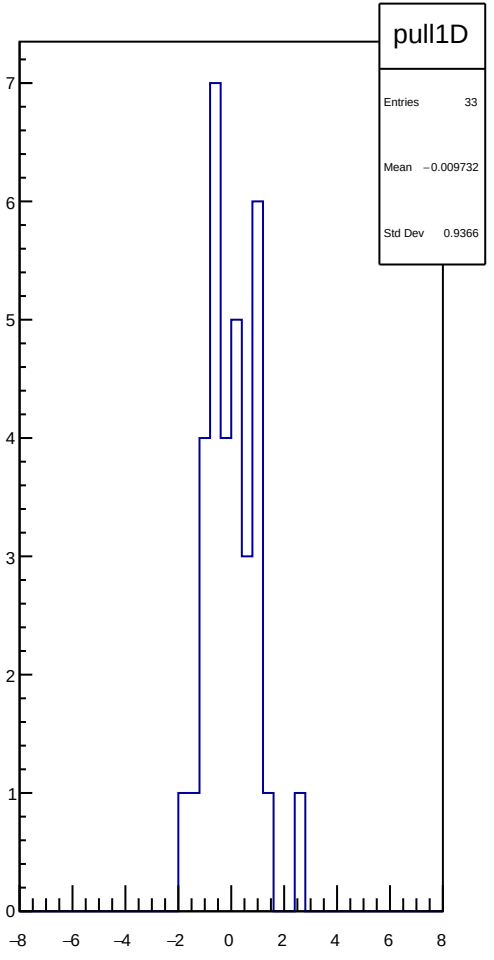

diff_bpm16X_rms vs run
χ² / ndf 5595 / 32
p0 2.98e+04 ± 36.76
36000
34000
32000
30000
28000
26000
24000
22000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

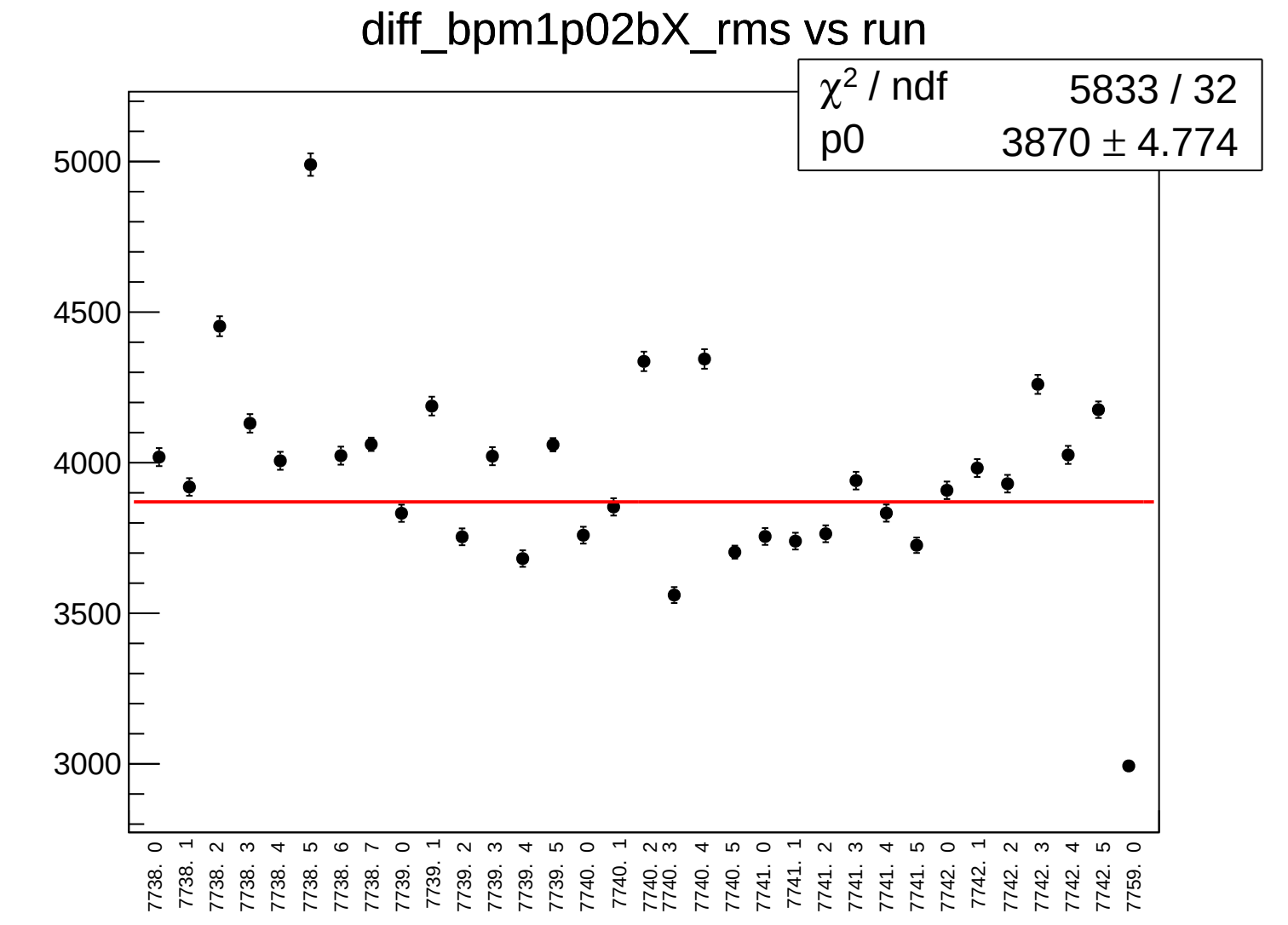

diff_bpm16Y_mean vs run
χ² / ndf 38.43 / 32
p0 −4.779 ± 3.263
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −35.79
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

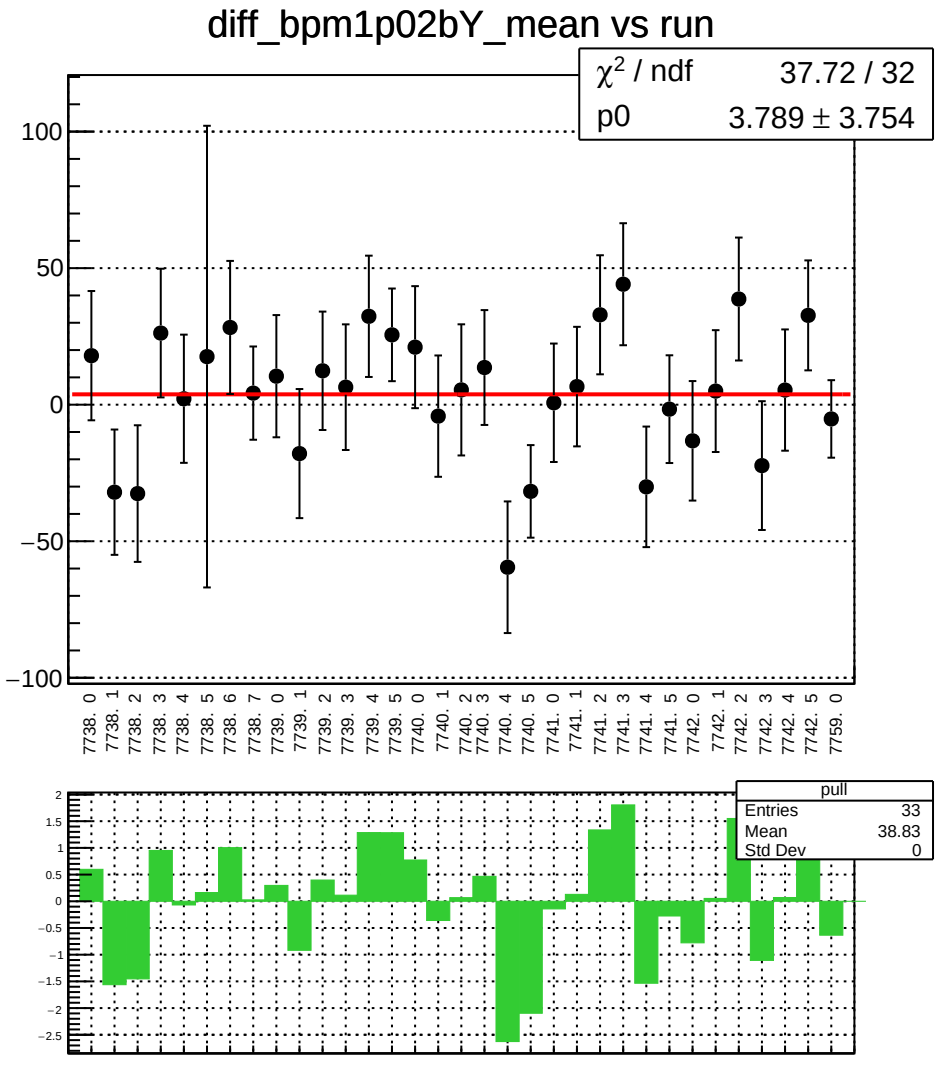

pull1D
Entries 33
Mean 0.01436
Std Dev 1.079
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

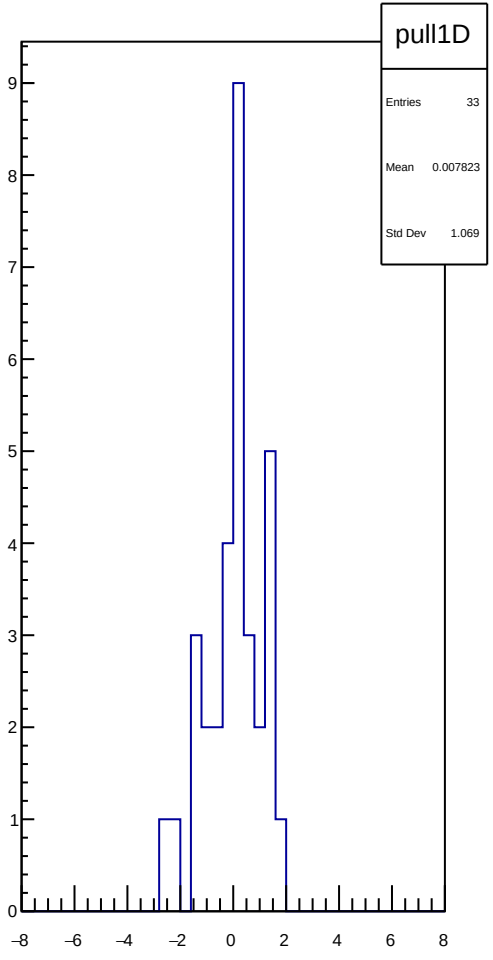

diff_bpm16Y_rms vs run
χ² / ndf 4343 / 32
p0 1872 ± 2.307
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

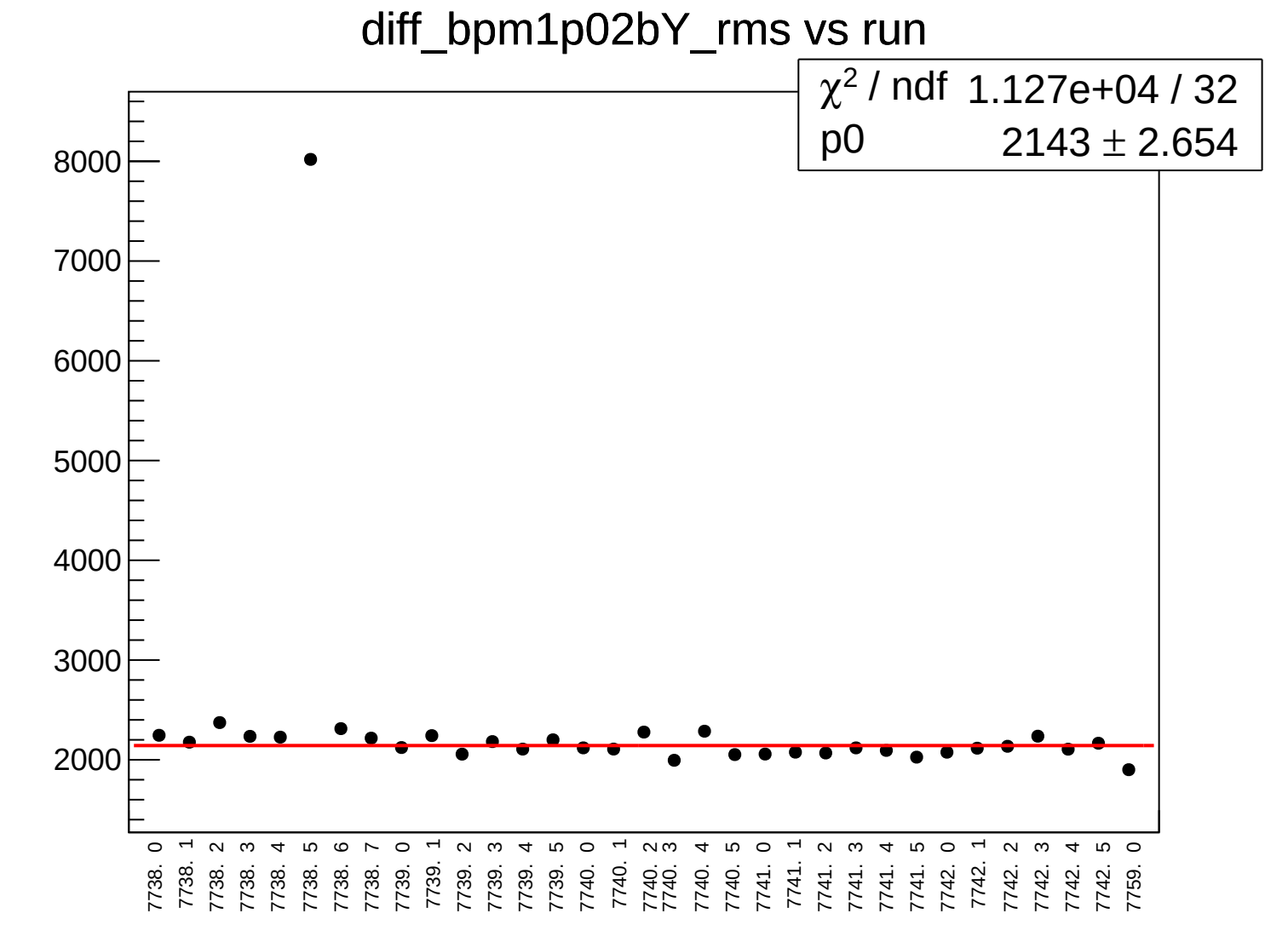

diff_bpm1p02bX_mean vs run
χ² / ndf 28.95 / 32
p0 1.936 ± 6.752
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −335.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

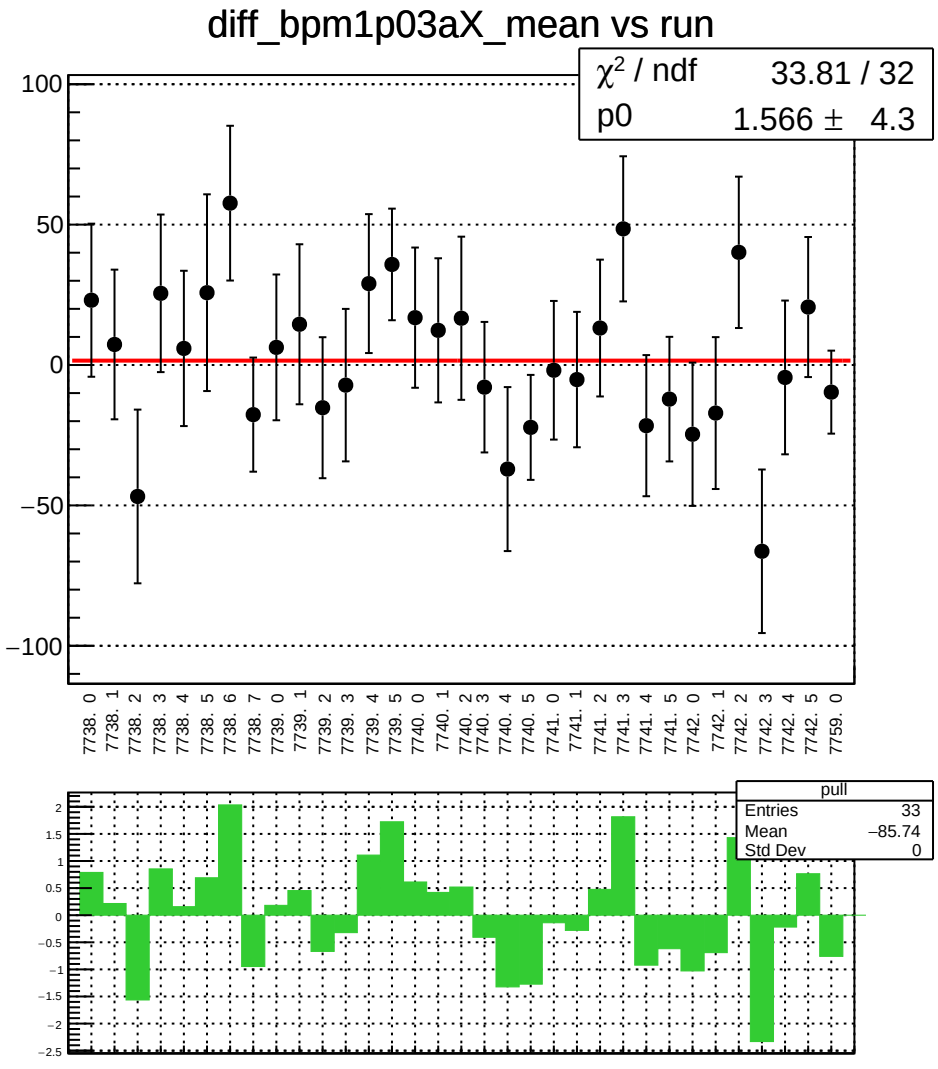

pull1D
Entries 33
Mean −0.009732
Std Dev 0.9366
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

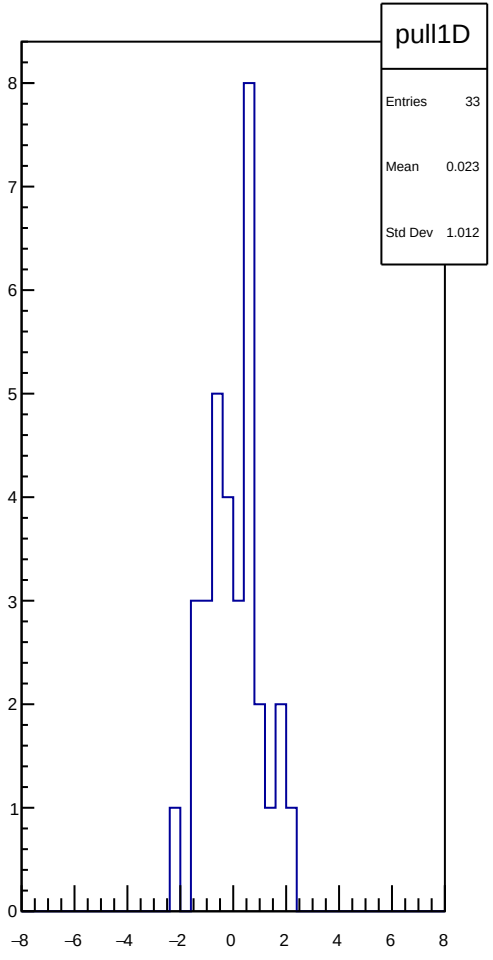

diff_bpm1p02bX_rms vs run
χ² / ndf 5833 / 32
p0 3870 ± 4.774
5000
4500
4000
3500
3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

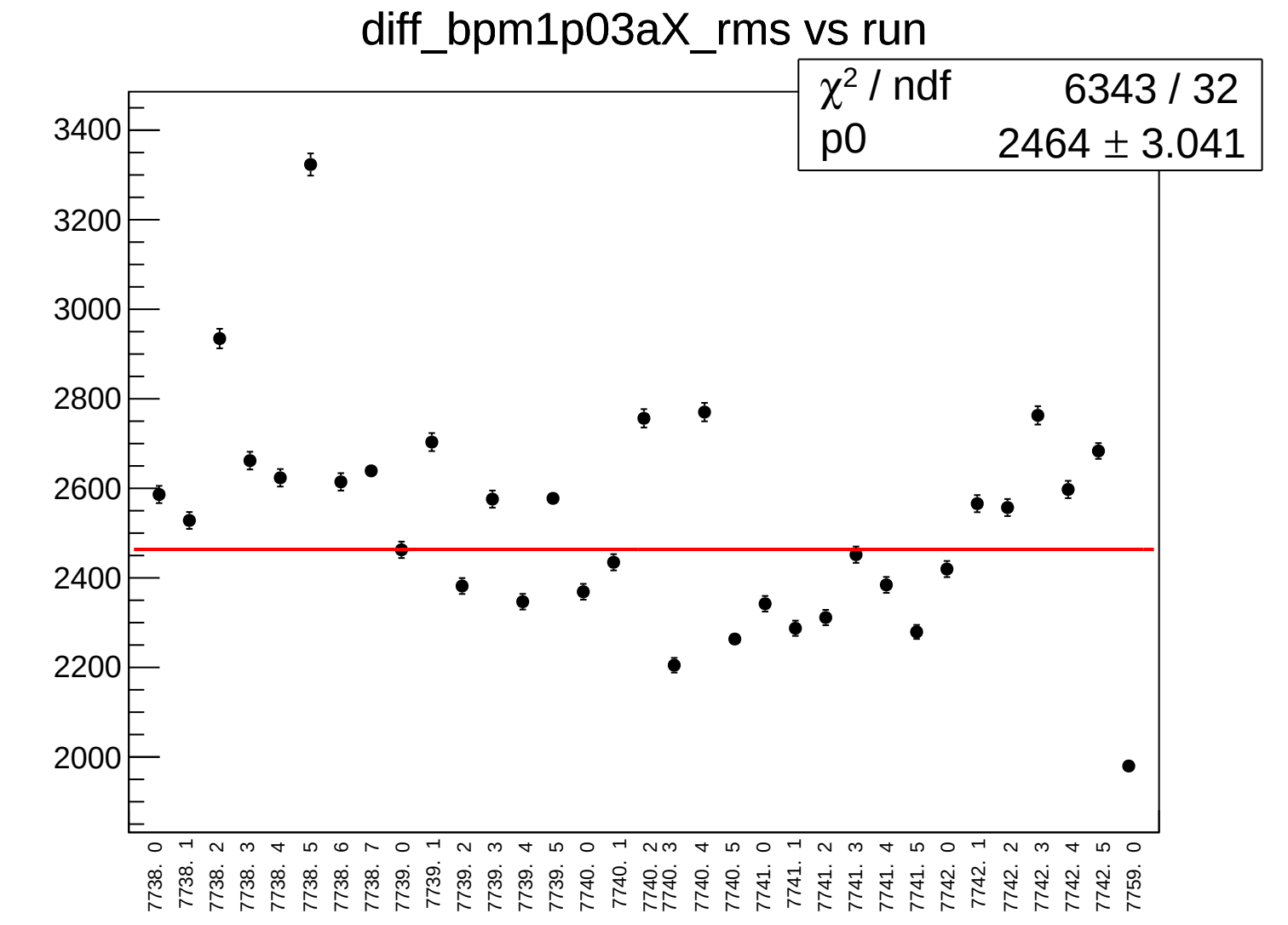

diff_bpm1p02bY_mean vs run
χ² / ndf 37.72 / 32
p0 3.789 ± 3.754
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

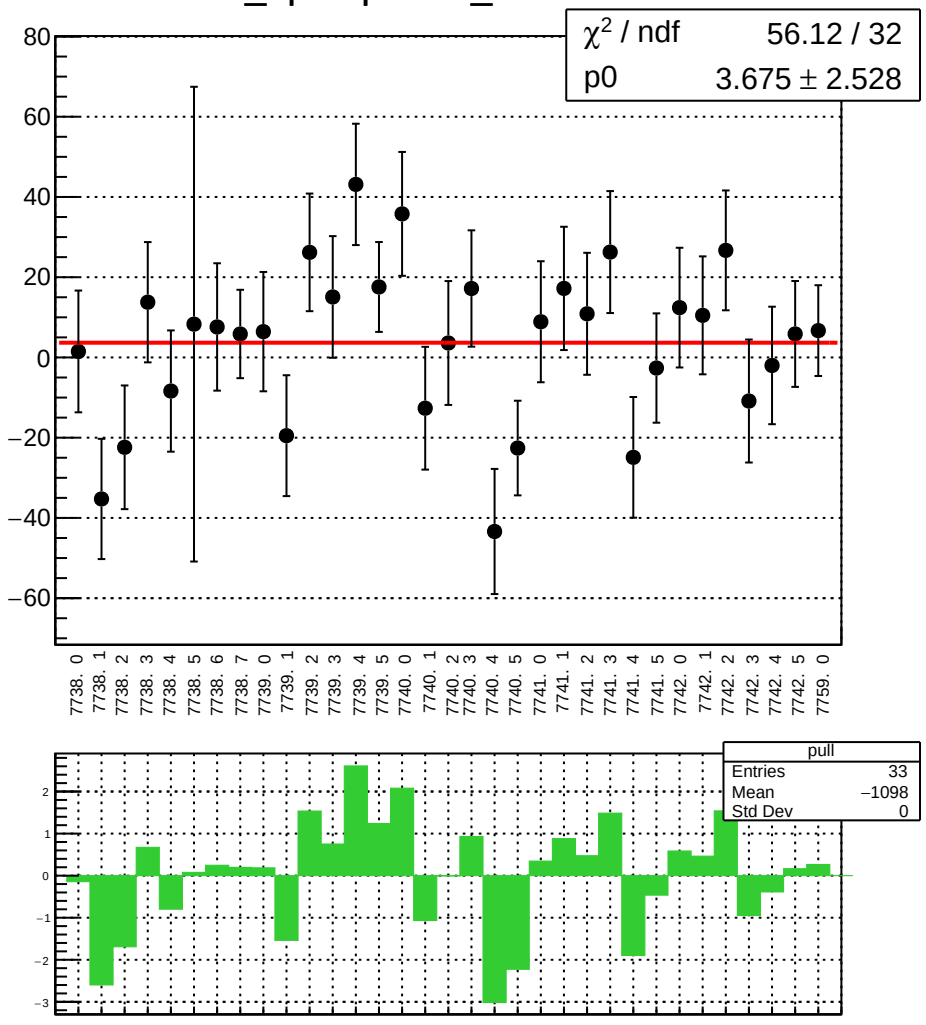

pull1D
Entries 33
Mean 0.007823
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

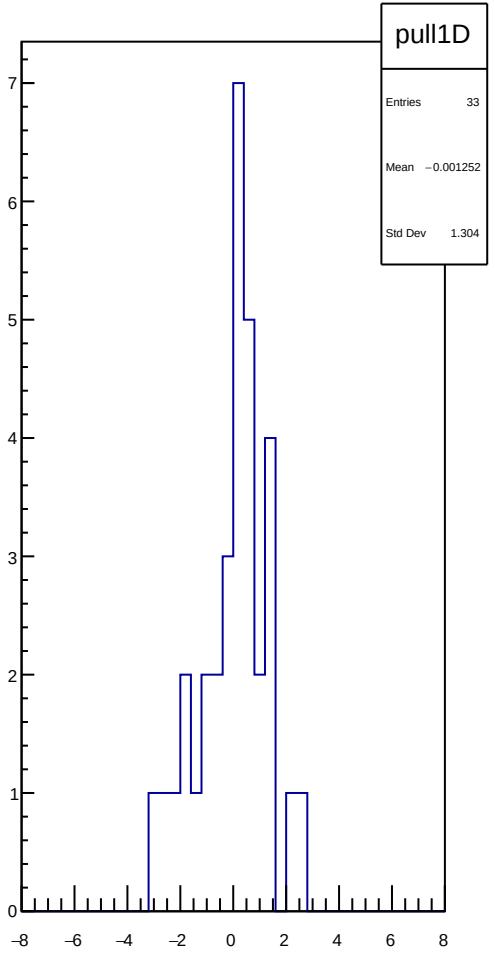

diff_bpm1p02bY_rms vs run
χ² / ndf 1.127e+04 / 32
p0 2143 ± 2.654
8000
7000
6000
5000
4000
3000
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

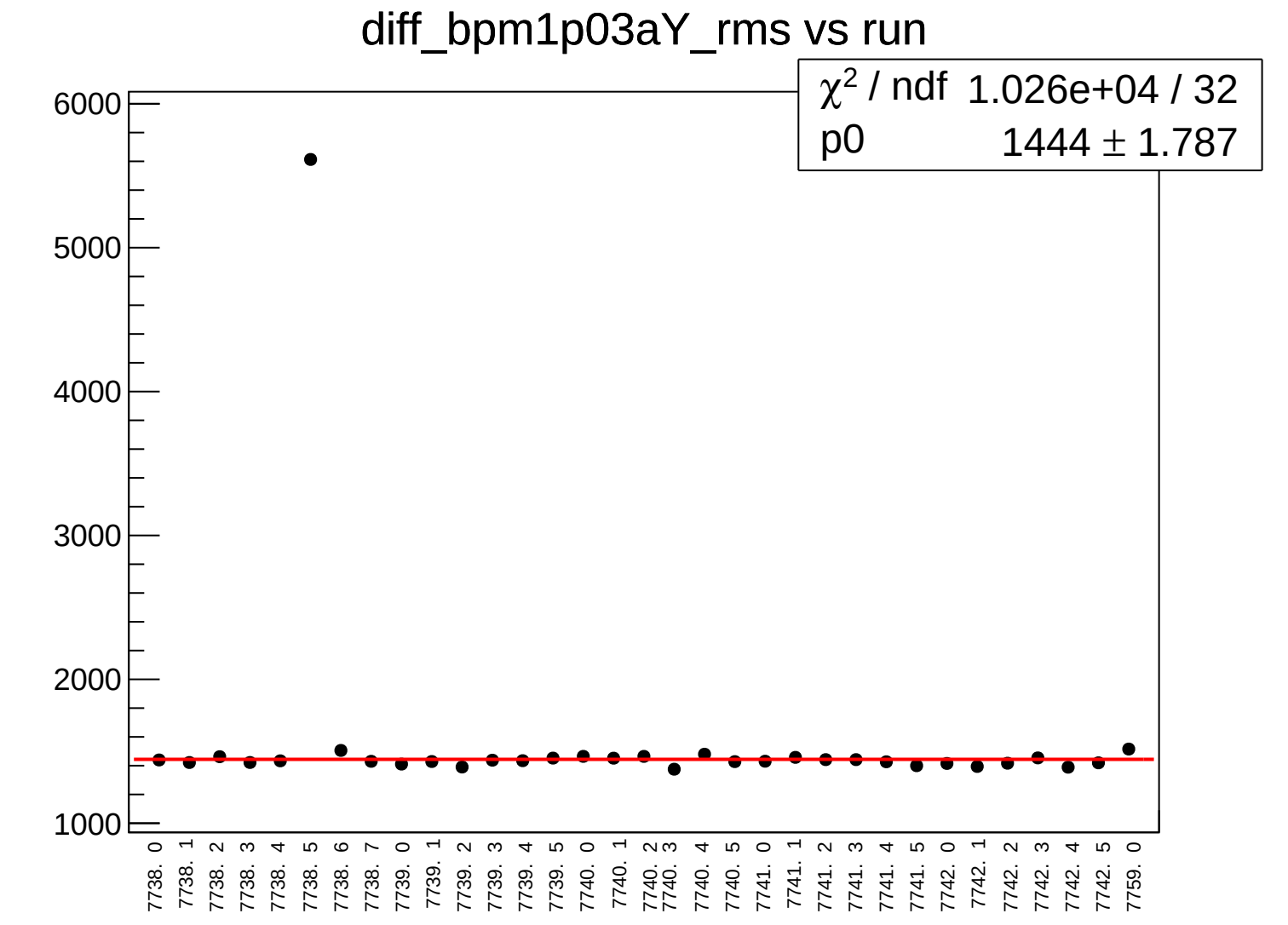

diff_bpm1p03aX_mean vs run
χ² / ndf 33.81 / 32
p0 1.566 ± 4.3
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −85.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

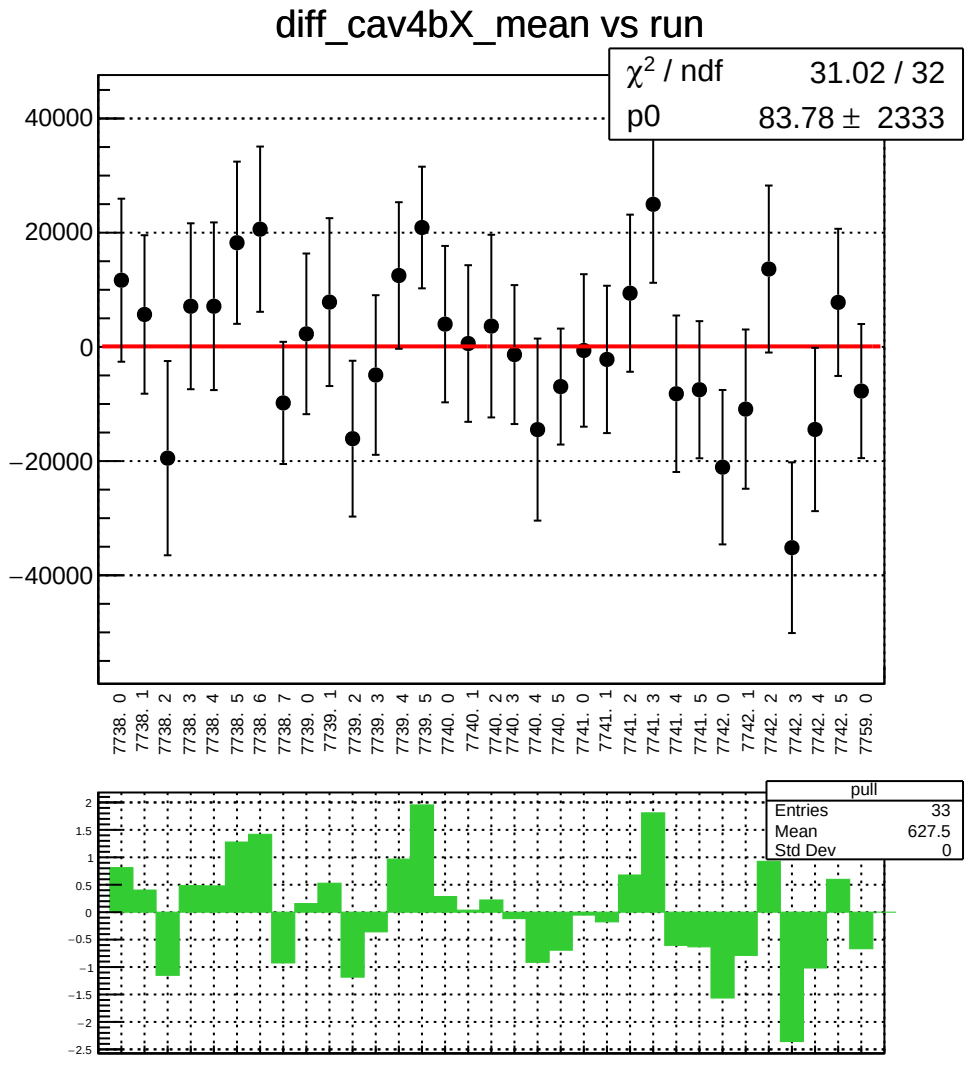

pull1D
Entries 33
Mean 0.023
Std Dev 1.012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

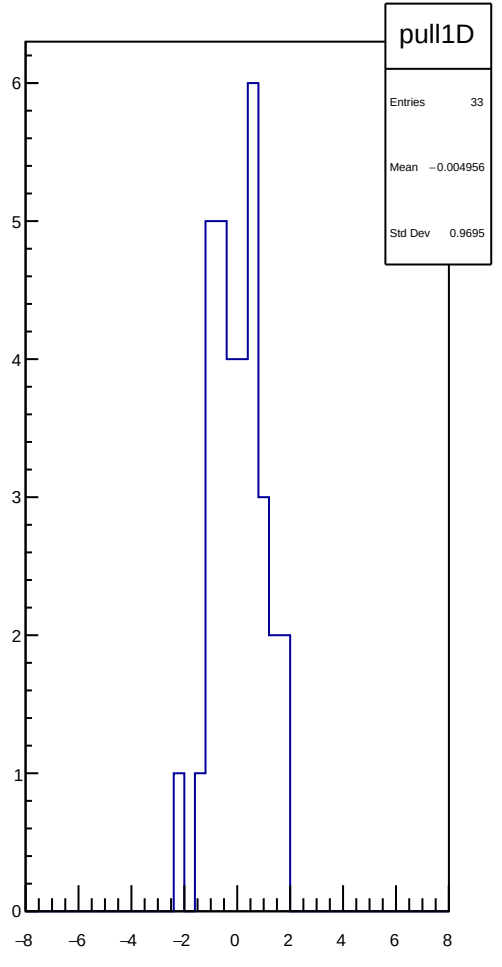

diff_bpm1p03aX_rms vs run
χ² / ndf 6343 / 32
p0 2464 ± 3.041
3400
3200
3000
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

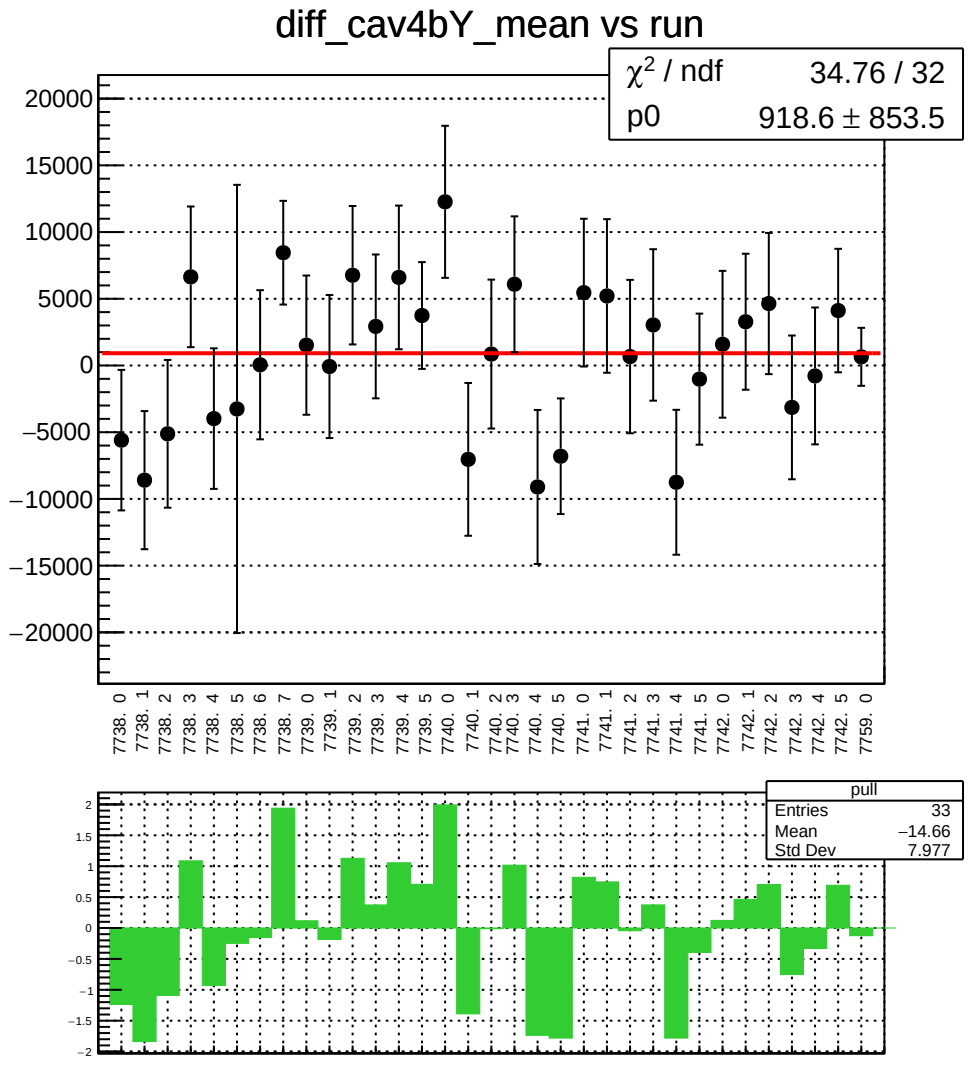

diff_bpm1p03aY_mean vs run
χ² / ndf 56.12 / 32
p0 3.675 ± 2.528
pull
Entries 33
Mean −1098
Std Dev 0

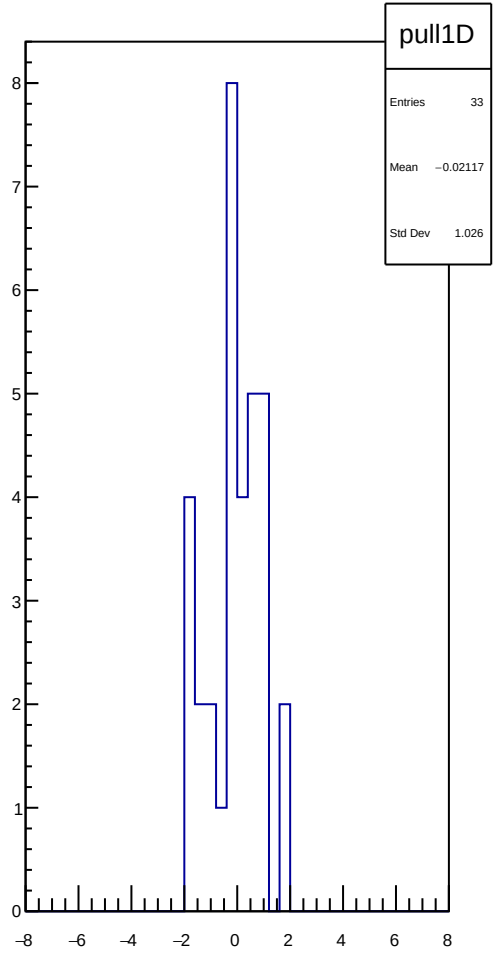

pull1D
Entries 33
Mean −0.001252
Std Dev 1.304

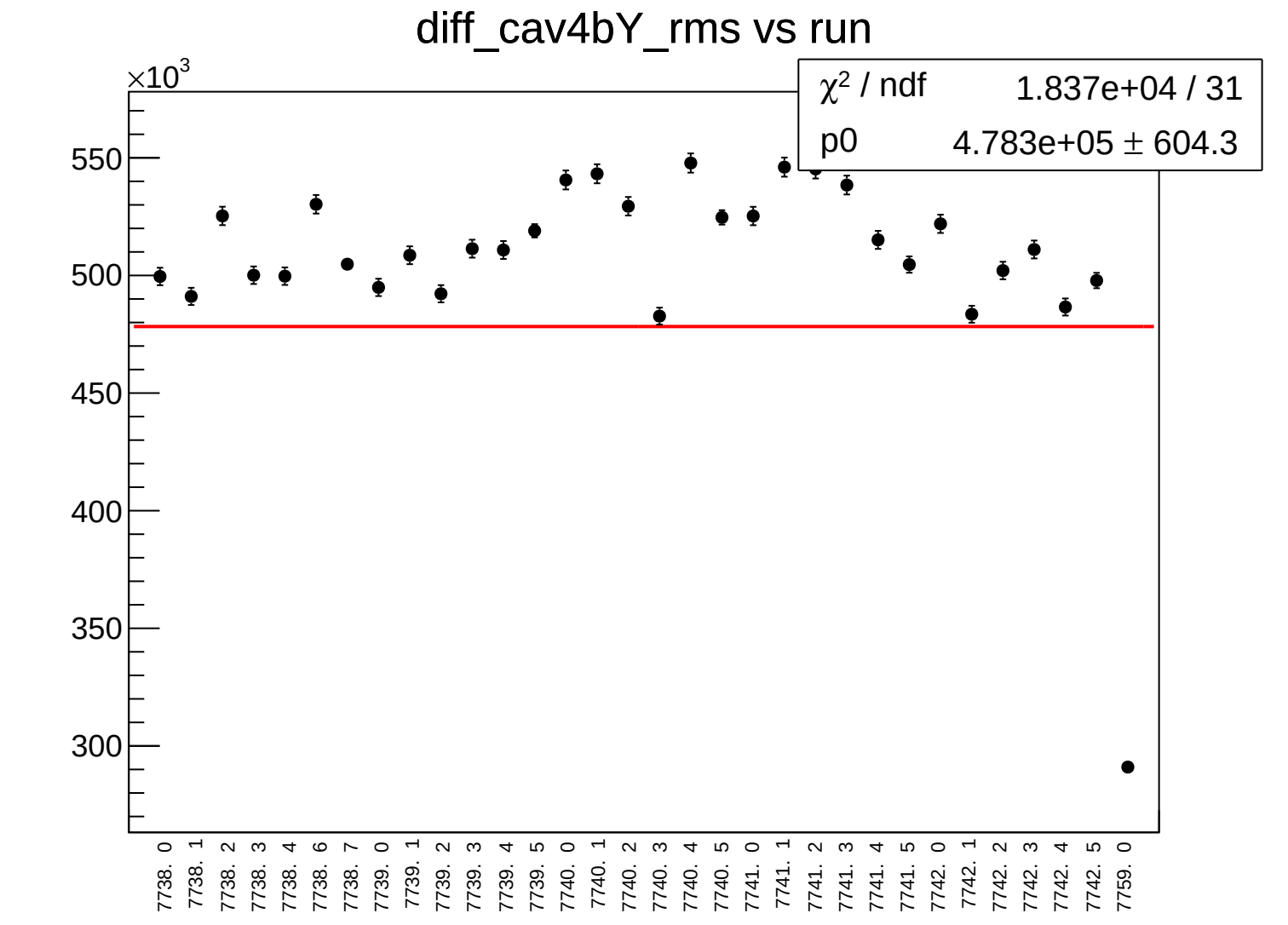

diff_bpm1p03aY_rms vs run
χ² / ndf 1.026e+04 / 32
p0 1444 ± 1.787
6000
5000
4000
3000
2000
1000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

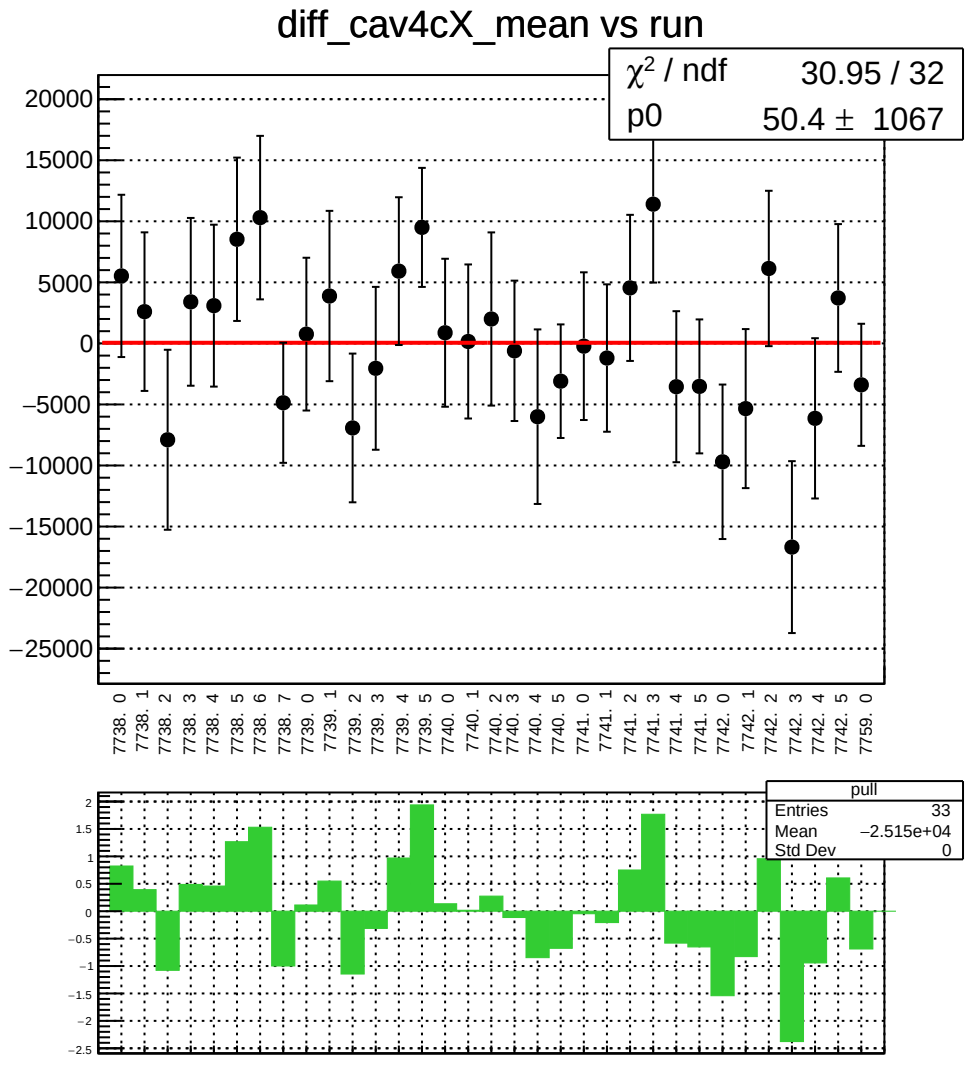

diff_cav4bX_mean vs run
χ² / ndf 31.02 / 32
p0 83.78 ± 2333
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 627.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

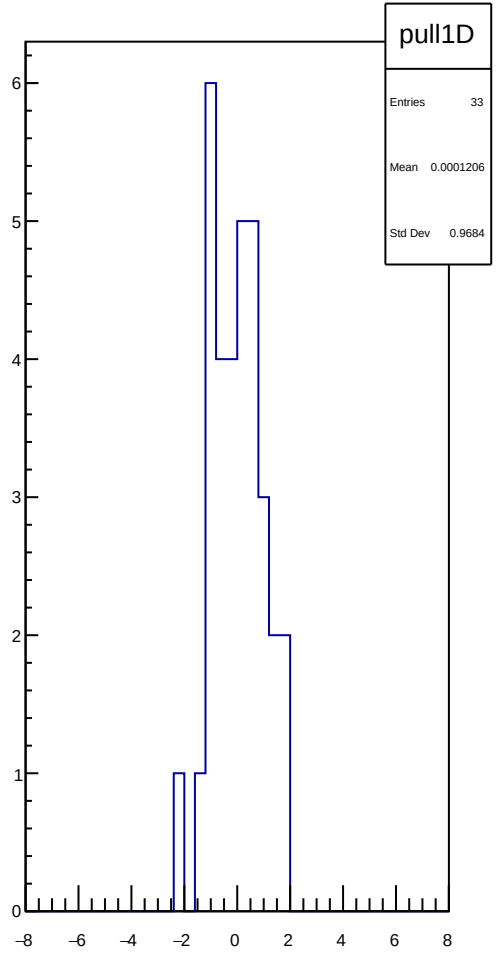

pull1D
Entries 33
Mean −0.004956
Std Dev 0.9695
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

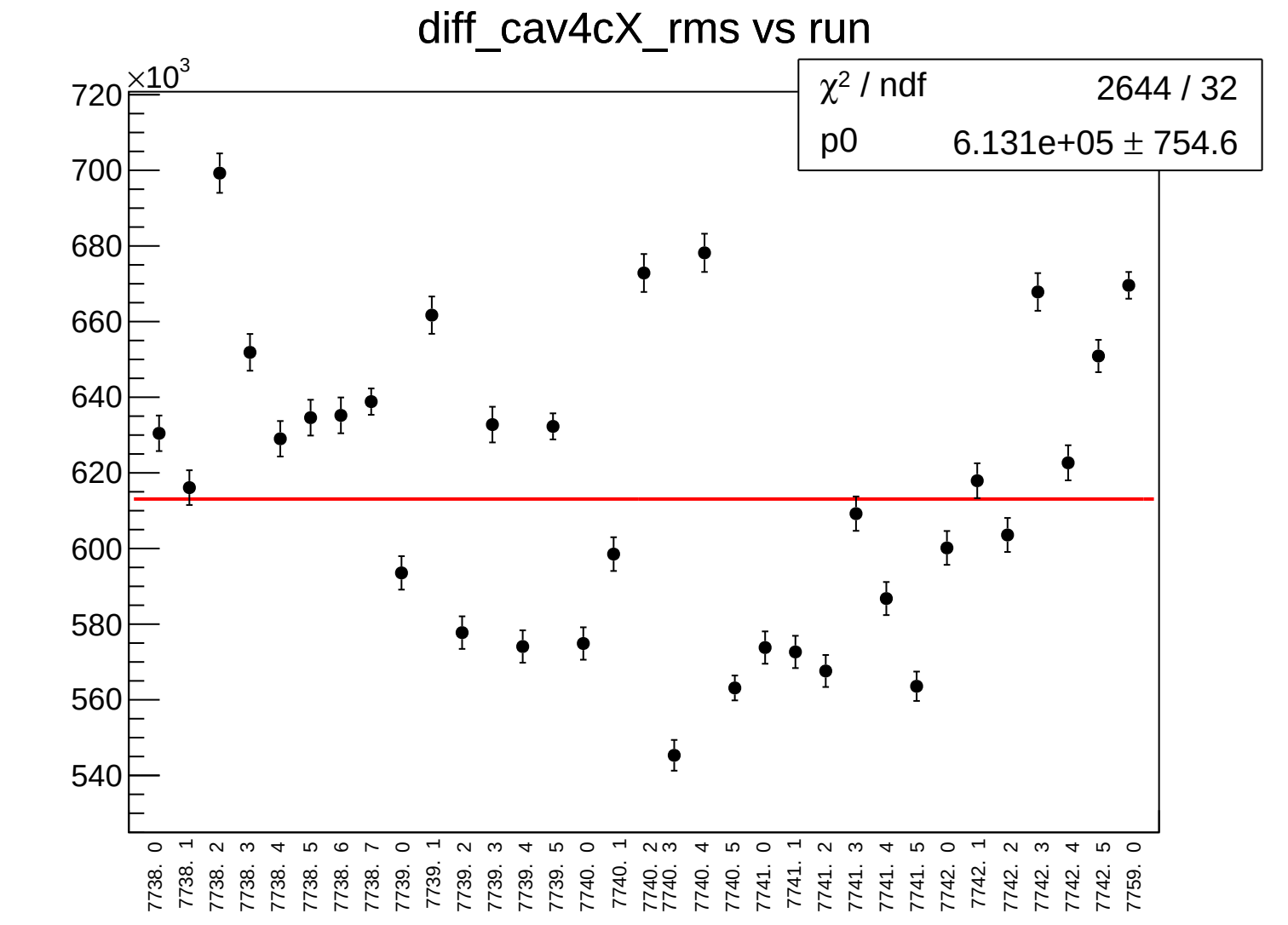

diff_cav4bY_mean vs run
χ² / ndf 34.76 / 32
p0 918.6 ± 853.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.66
Std Dev 7.977
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

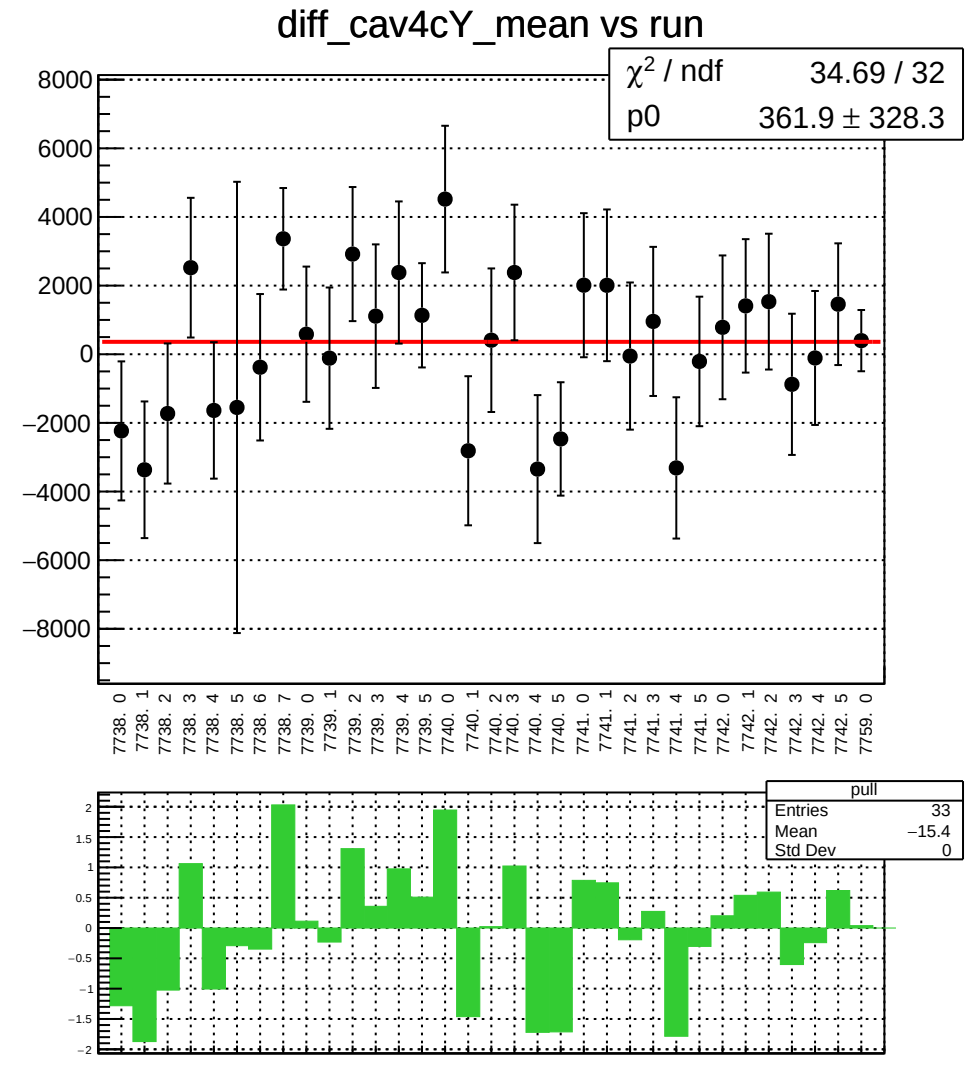

pull1D
Entries 33
Mean −0.02117
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

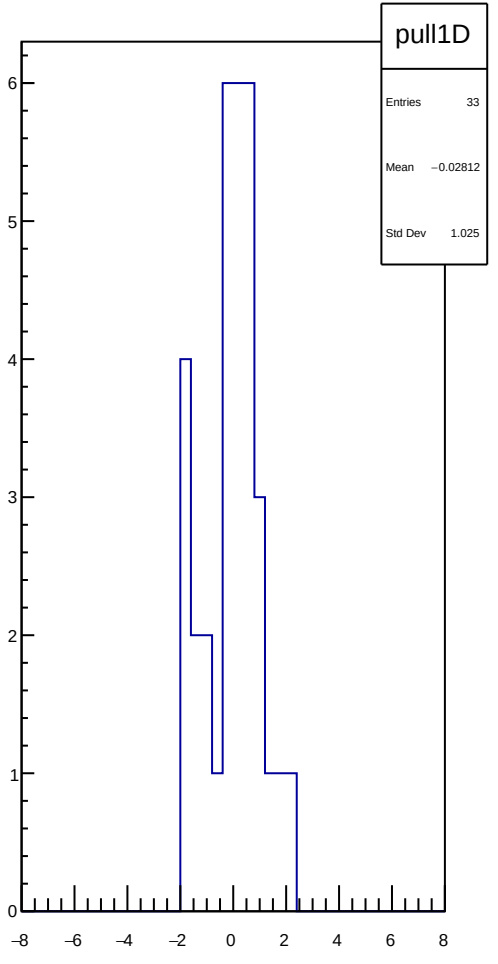

diff_cav4bY_rms vs run
×10^3
χ^2 / ndf 1.837e+04 / 31
p0 4.783e+05 ± 604.3
550
500
450
400
350
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

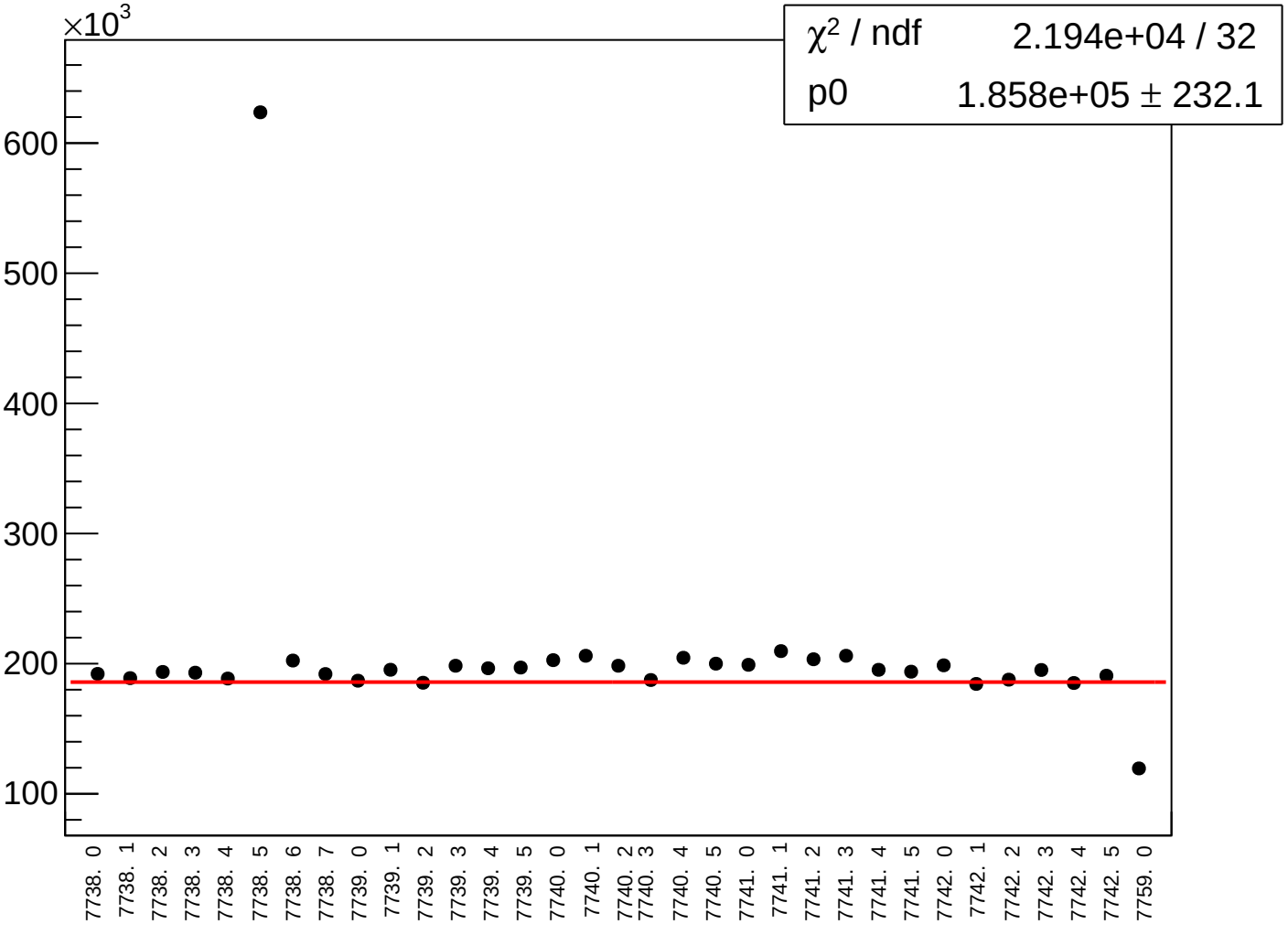

diff_cav4cX_mean vs run
χ² / ndf 30.95 / 32
p0 50.4 ± 1067
pull
Entries 33
Mean −2.515e+04
Std Dev 0

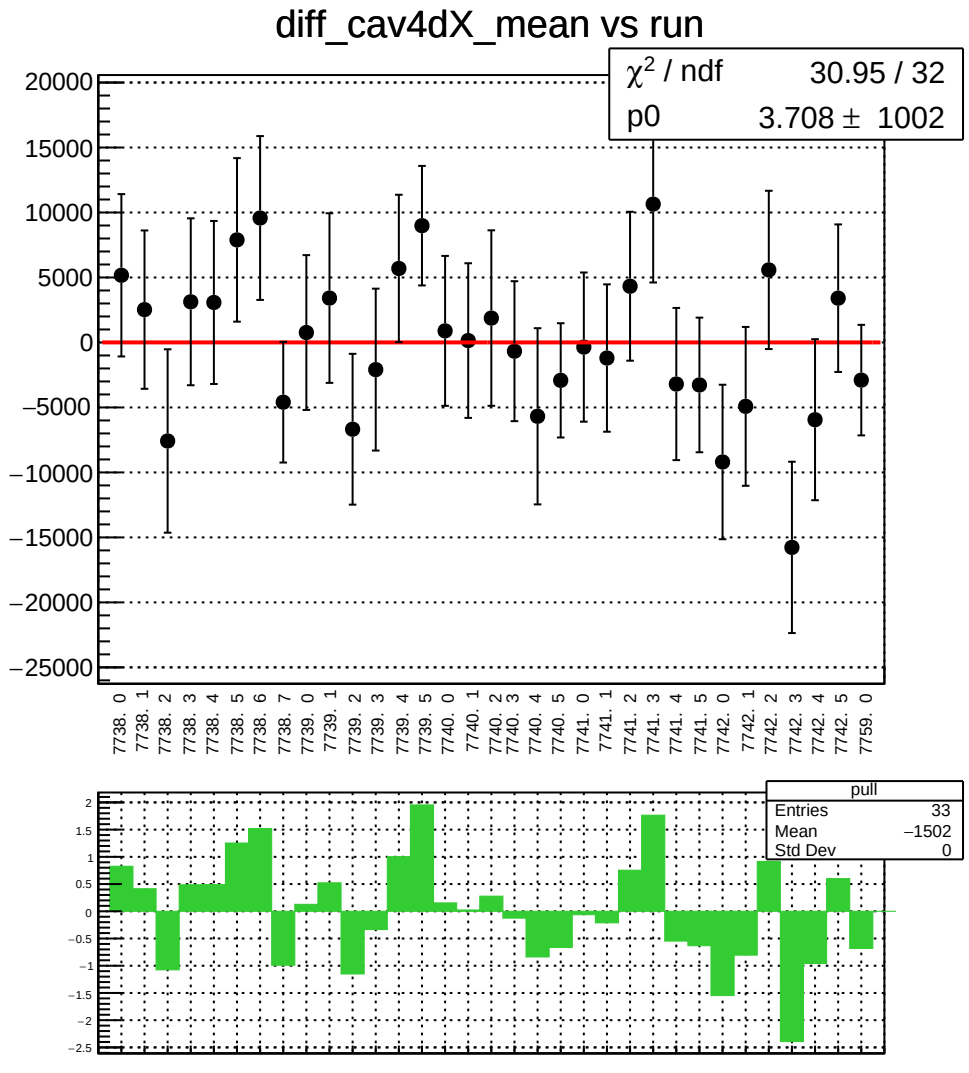

pull1D
Entries 33
Mean 0.0001206
Std Dev 0.9684

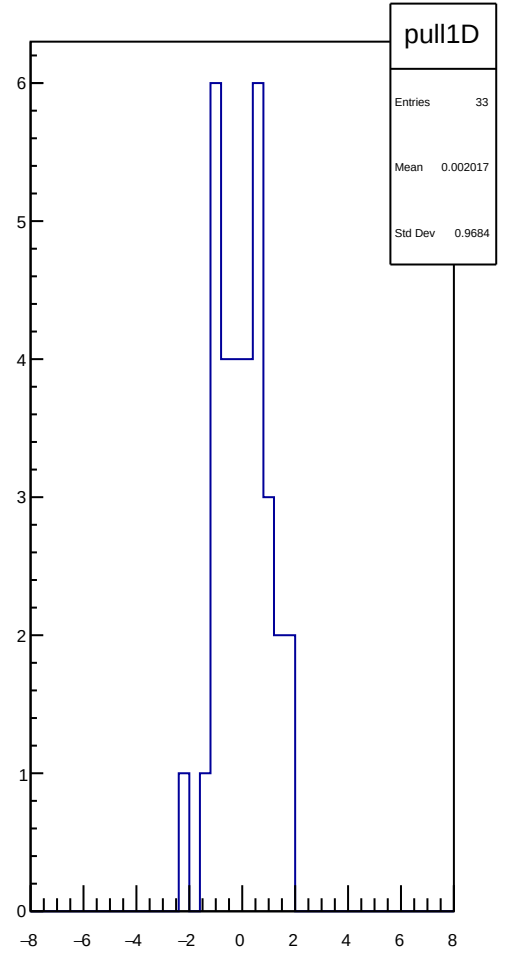

diff_cav4cX_rms vs run
×10^3
720
700
680
660
640
620
600
580
560
540
χ² / ndf 2644 / 32
p0 6.131e+05 ± 754.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

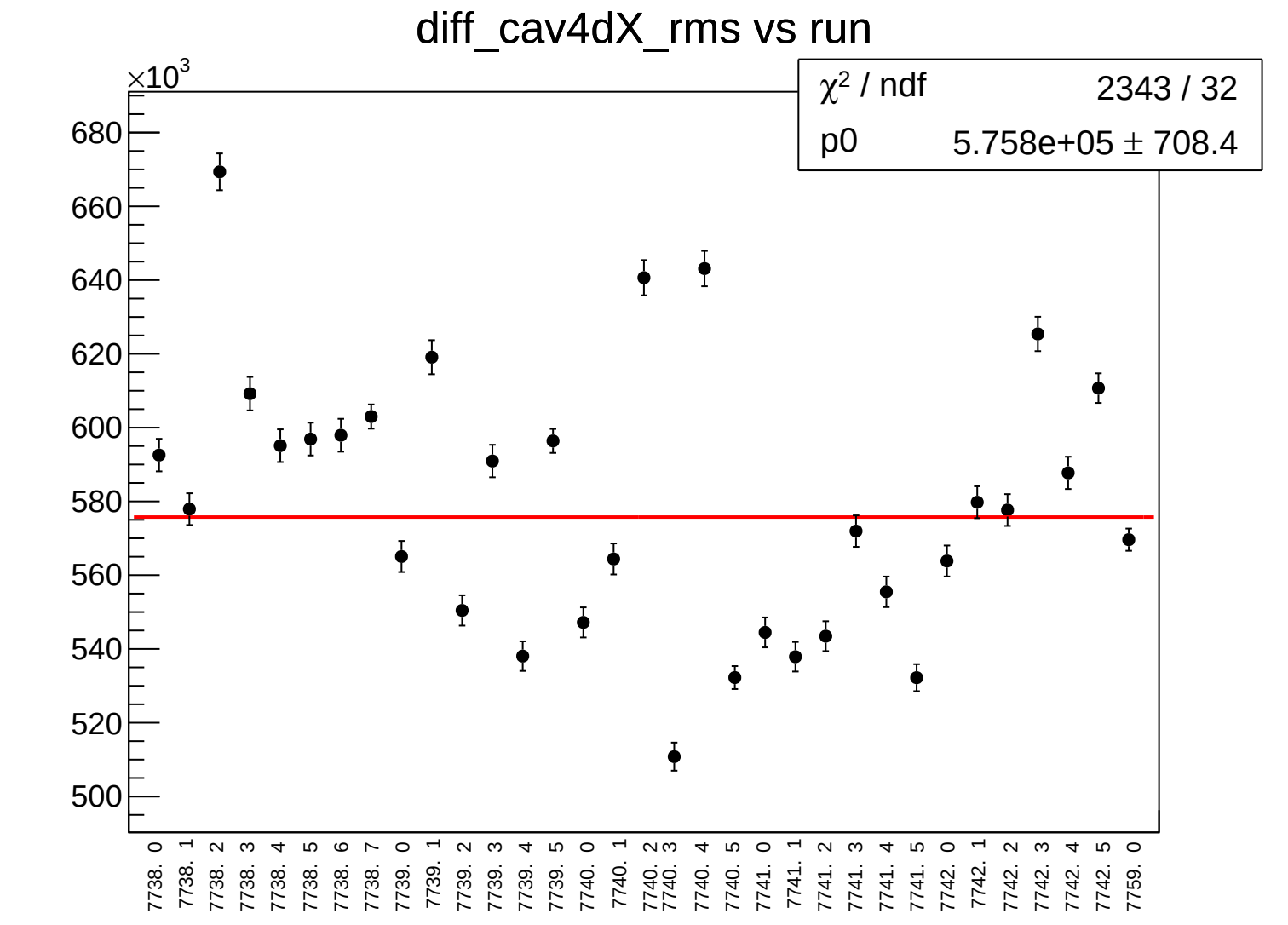

diff_cav4cY_mean vs run
χ² / ndf 34.69 / 32
p0 361.9 ± 328.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

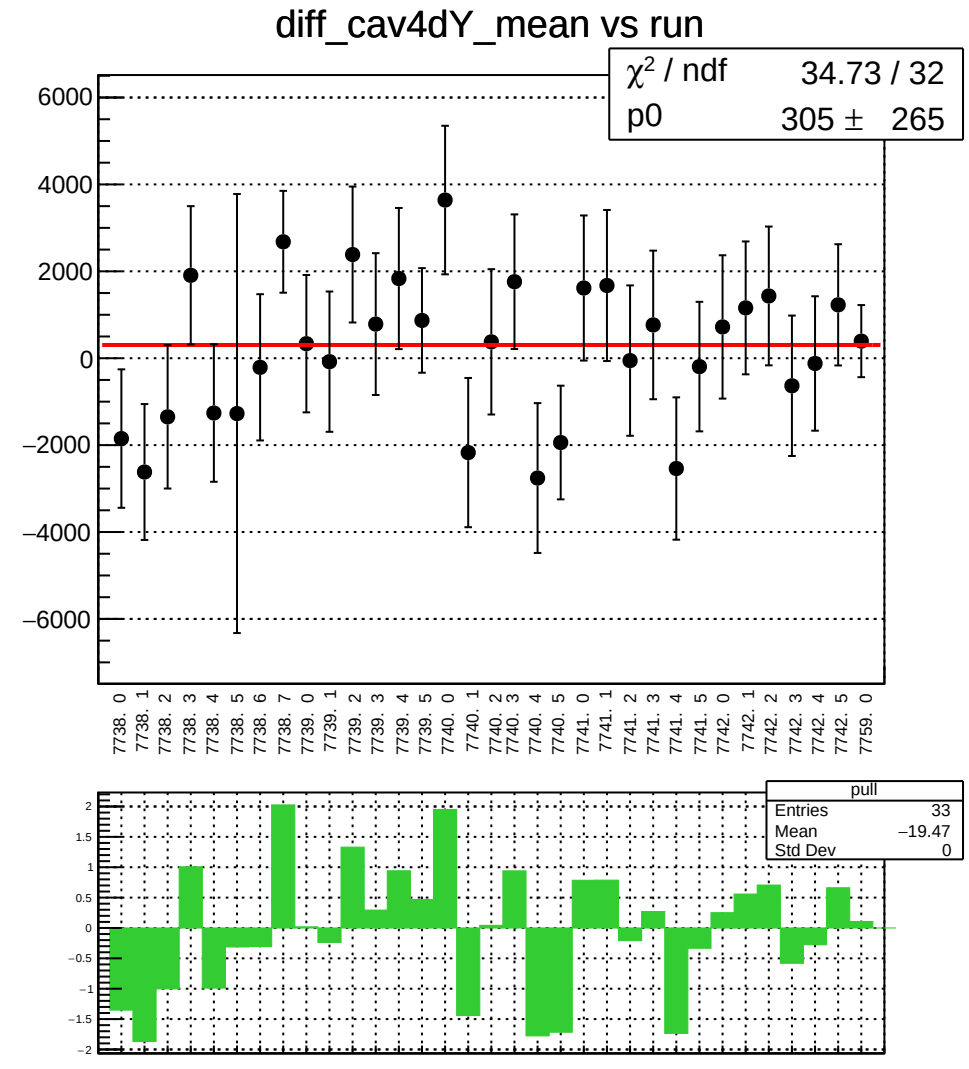

pull1D
Entries 33
Mean −0.02812
Std Dev 1.025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

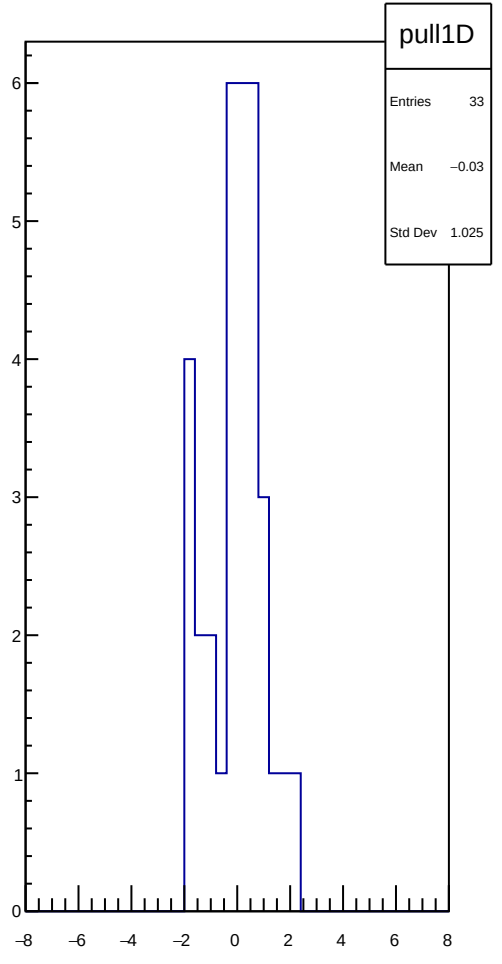

diff_cav4cY_rms vs run
×10^3
χ^2 / ndf 2.194e+04 / 32
p0 1.858e+05 ± 232.1
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

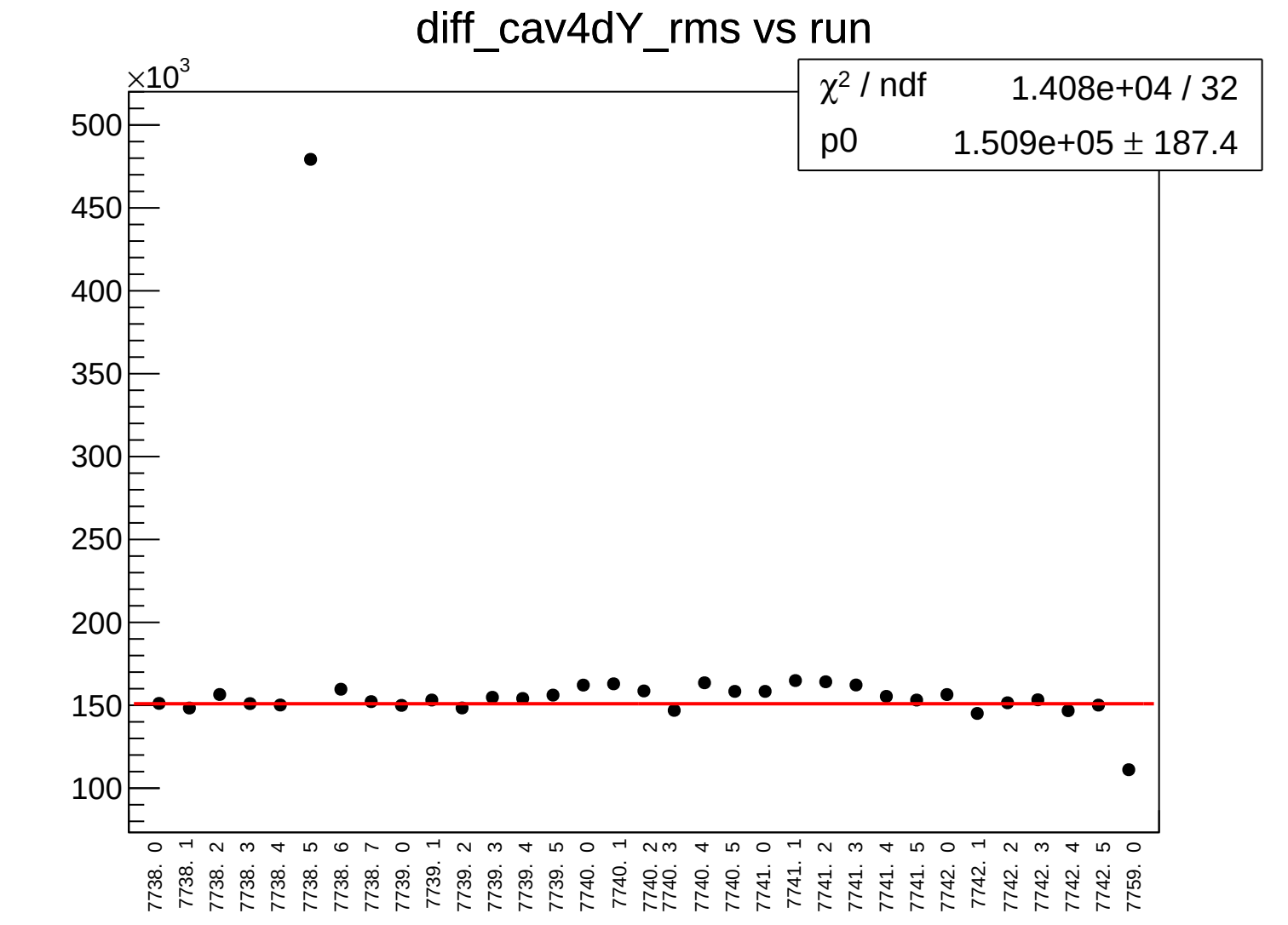

diff_cav4dX_mean vs run
χ² / ndf 30.95 / 32
p0 3.708 ± 1002
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1502
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

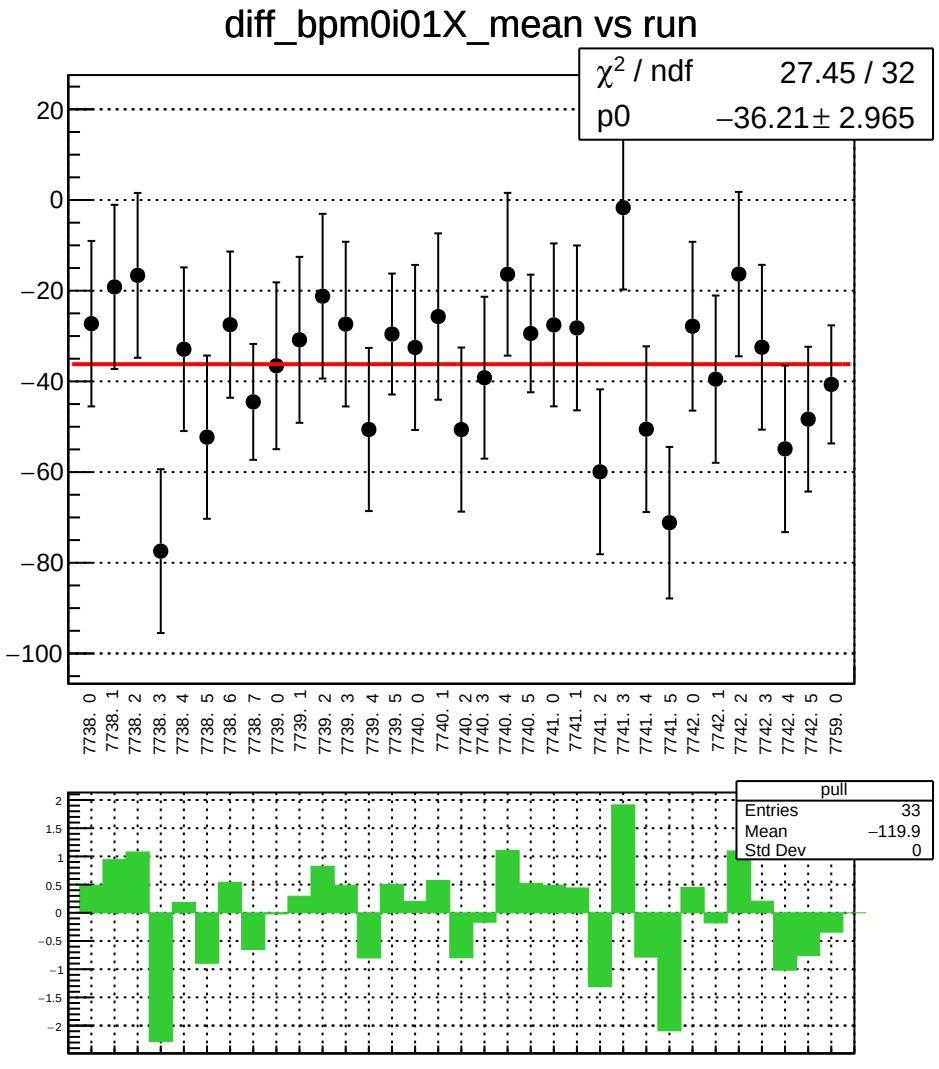

pull1D
Entries 33
Mean 0.002017
Std Dev 0.9684
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

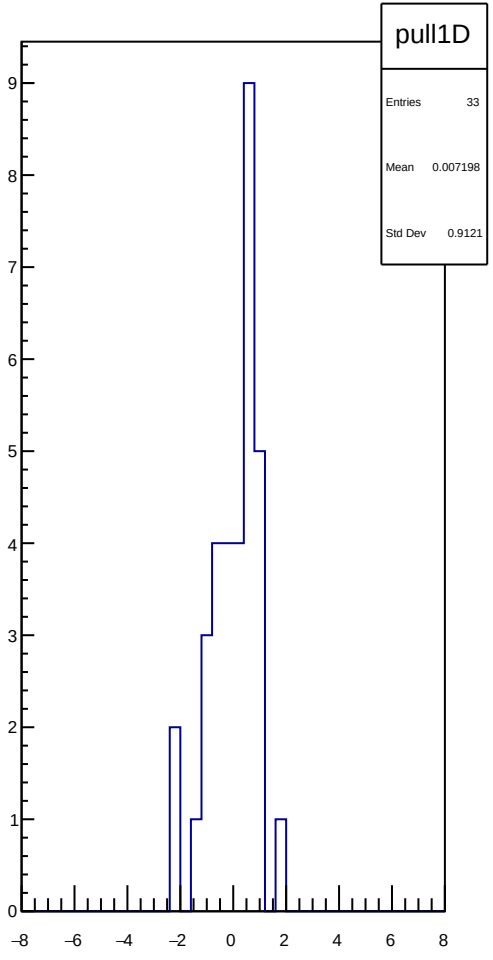

diff_cav4dX_rms vs run
×10^3
680
660
640
620
600
580
560
540
520
500
χ² / ndf 2343 / 32
p0 5.758e+05 ± 708.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

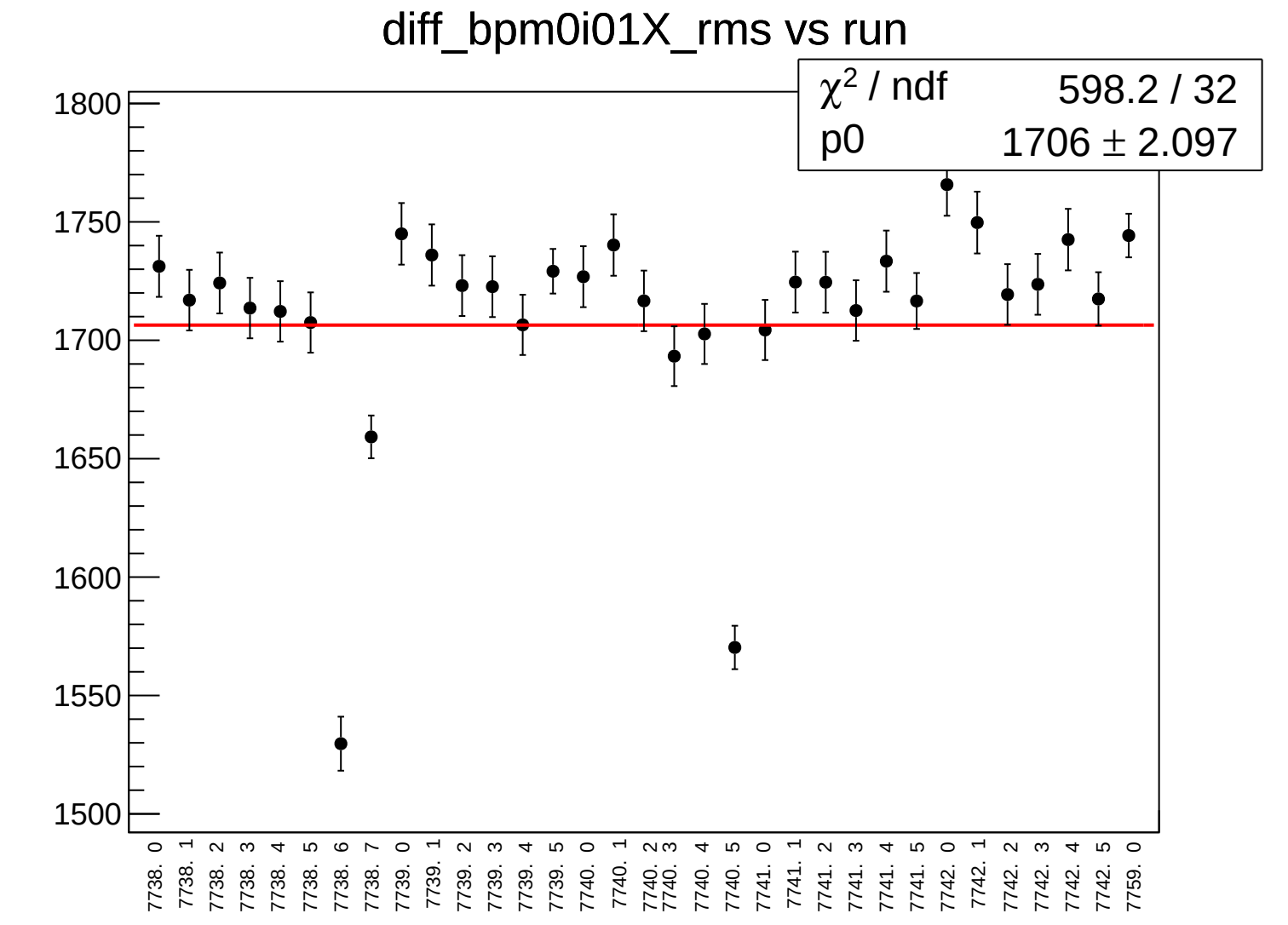

diff_cav4dY_mean vs run
χ² / ndf 34.73 / 32
p0 305 ± 265
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

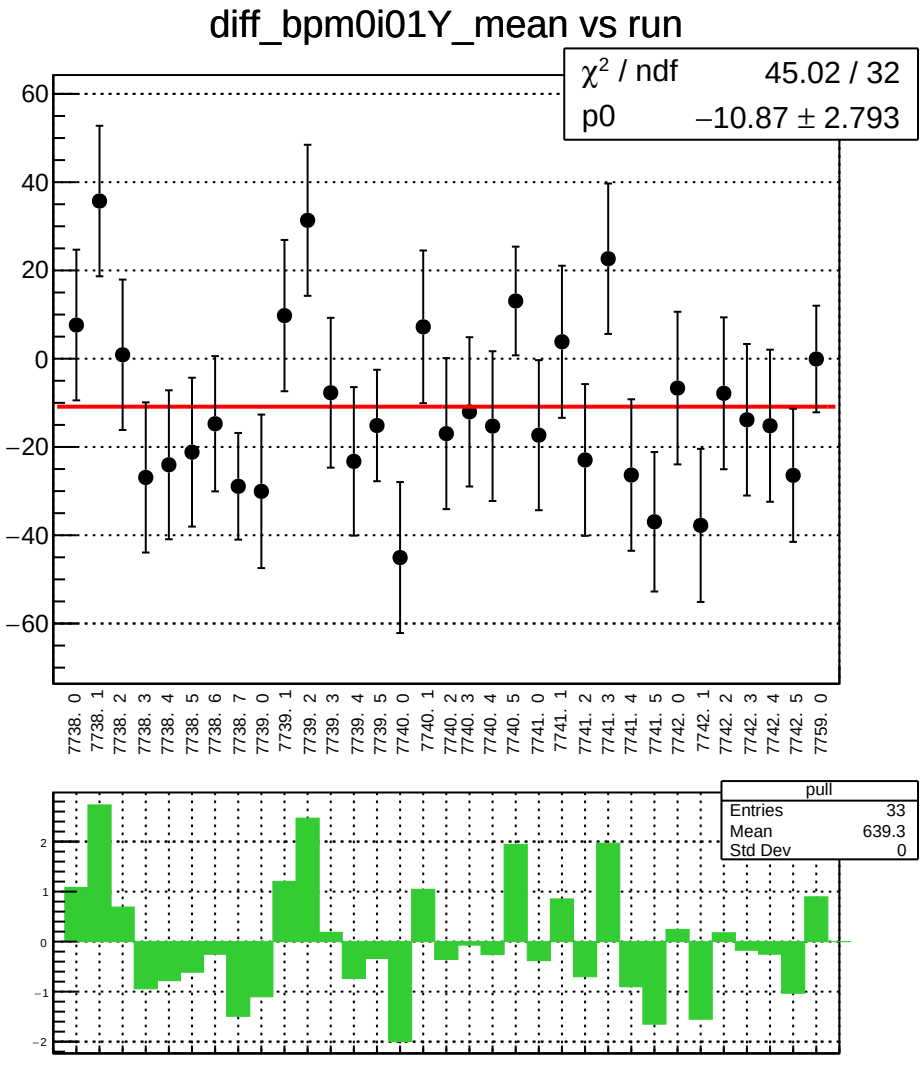

pull1D
Entries 33
Mean −0.03
Std Dev 1.025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

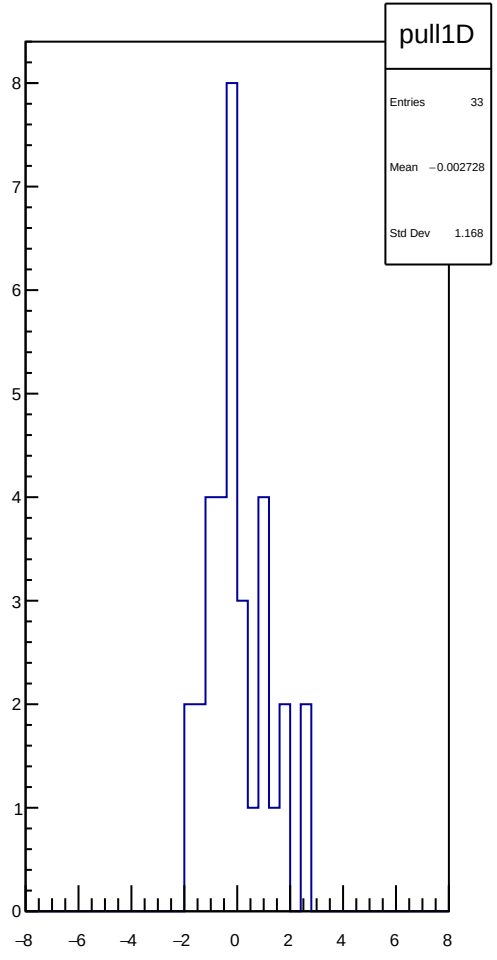

diff_cav4dY_rms vs run
×10^3
χ² / ndf 1.408e+04 / 32
p0 1.509e+05 ± 187.4
500
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

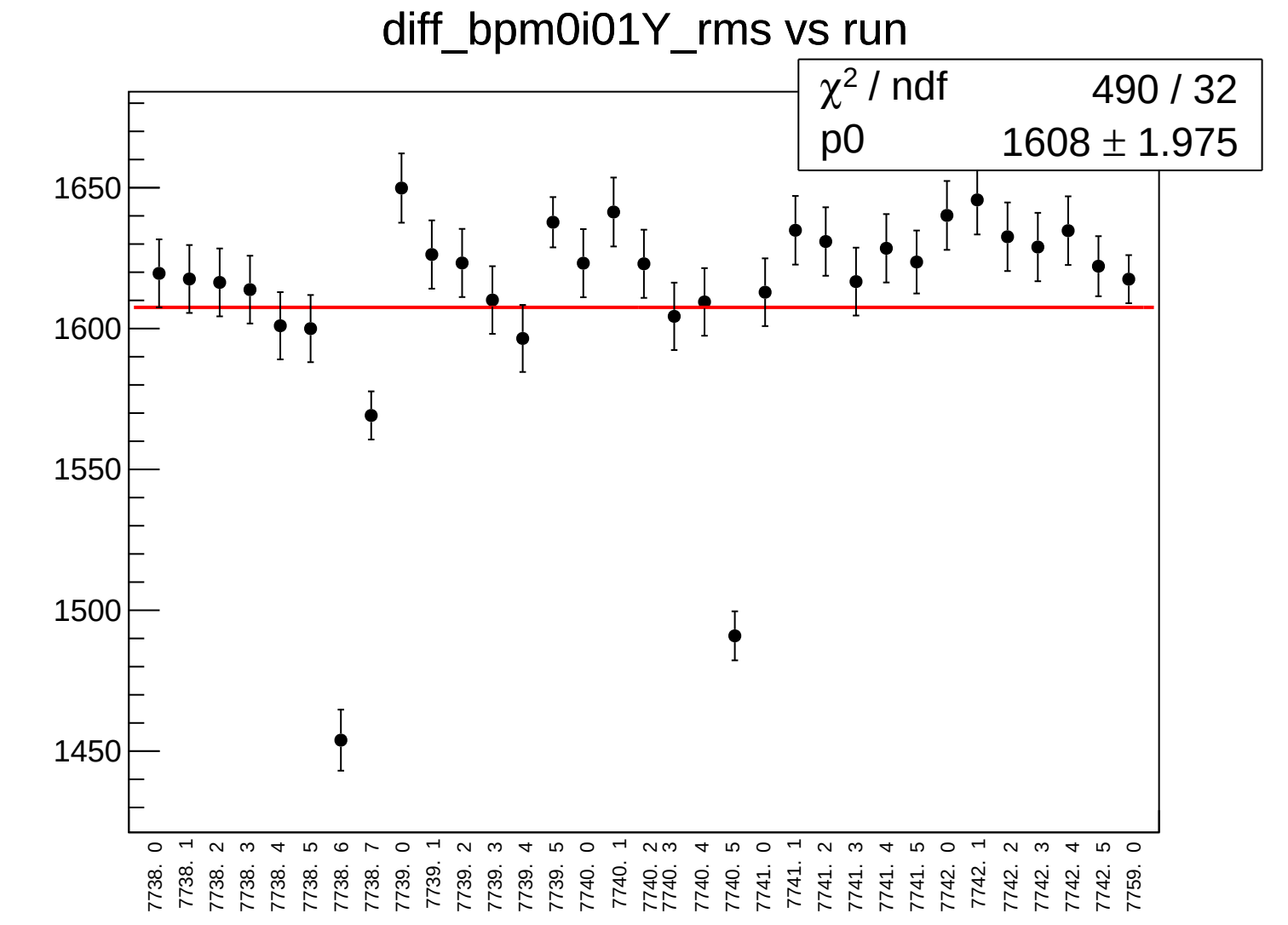

diff_bpm0i01X_mean vs run
χ² / ndf 27.45 / 32
p0 −36.21± 2.965
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −119.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

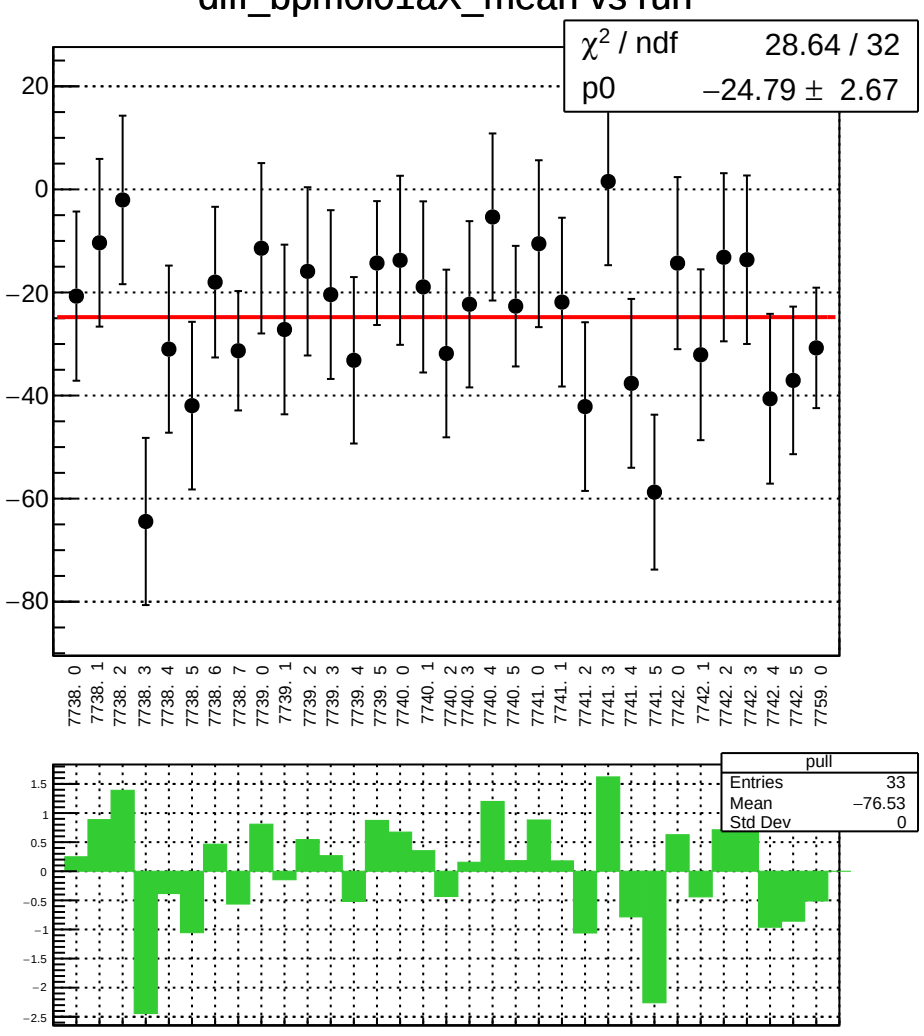

pull1D
Entries 33
Mean 0.007198
Std Dev 0.9121
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

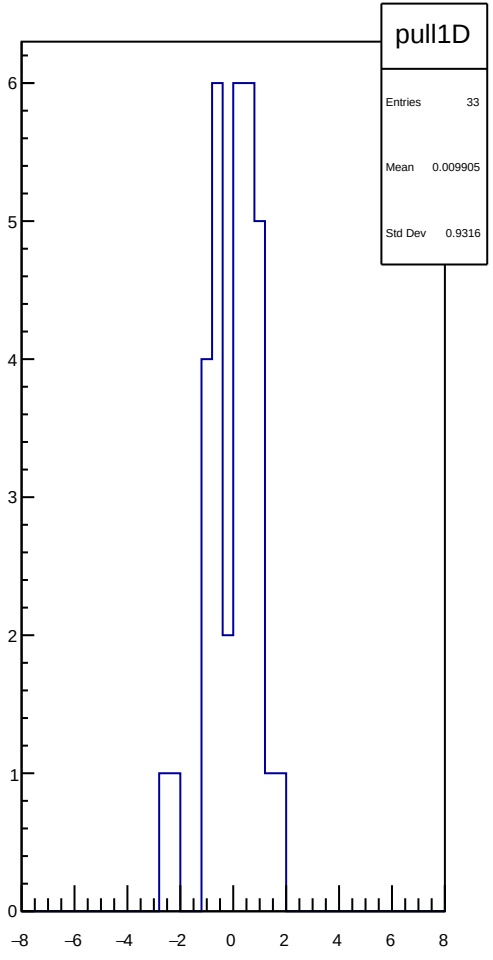

diff_bpm0i01X_rms vs run
χ² / ndf 598.2 / 32
p0 1706 ± 2.097
1800
1750
1700
1650
1600
1550
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

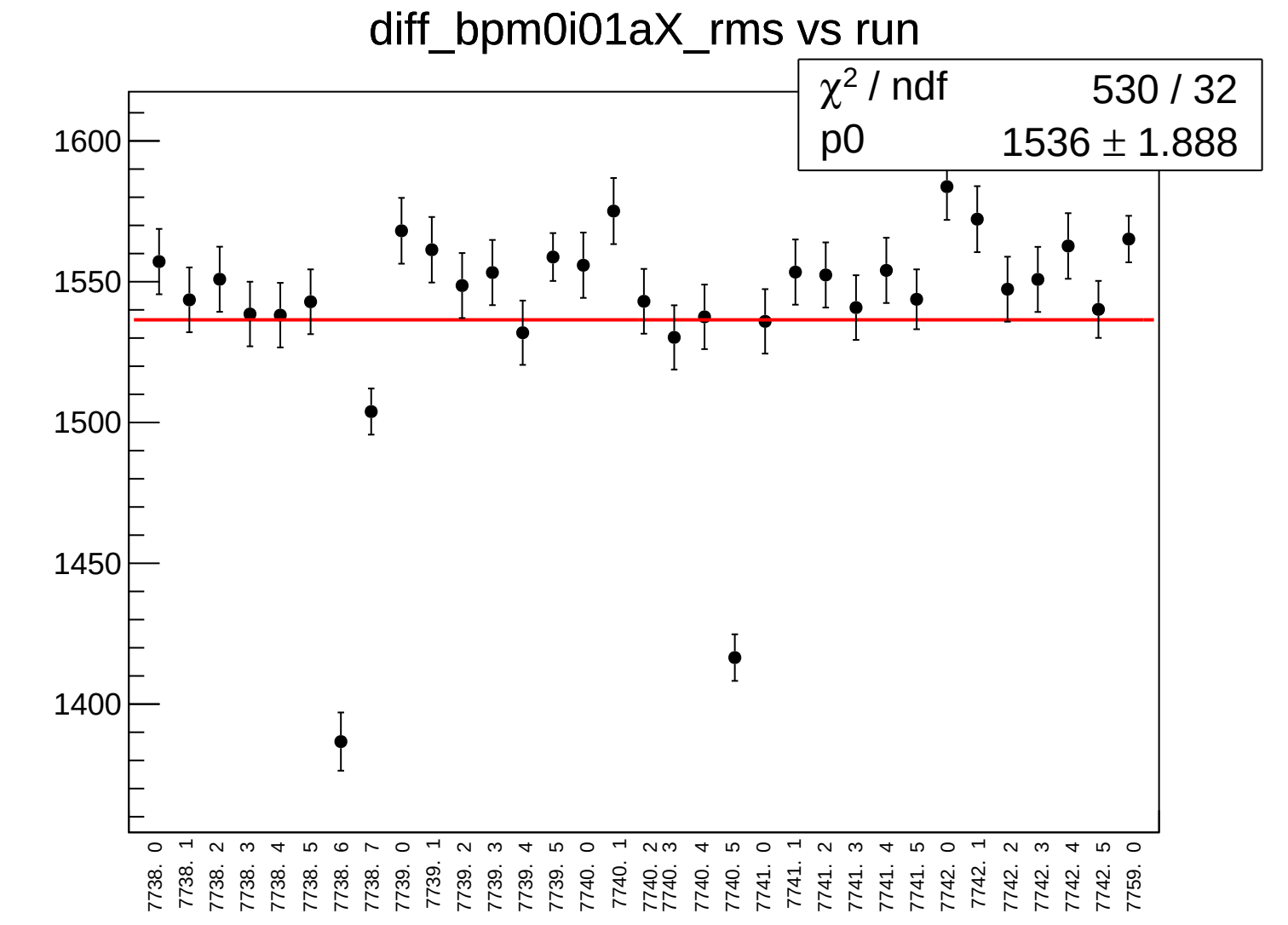

diff_bpm0i01Y_mean vs run
χ² / ndf 45.02 / 32
p0 −10.87 ± 2.793
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 639.3
Std Dev 0
2
1
0
−1
−2

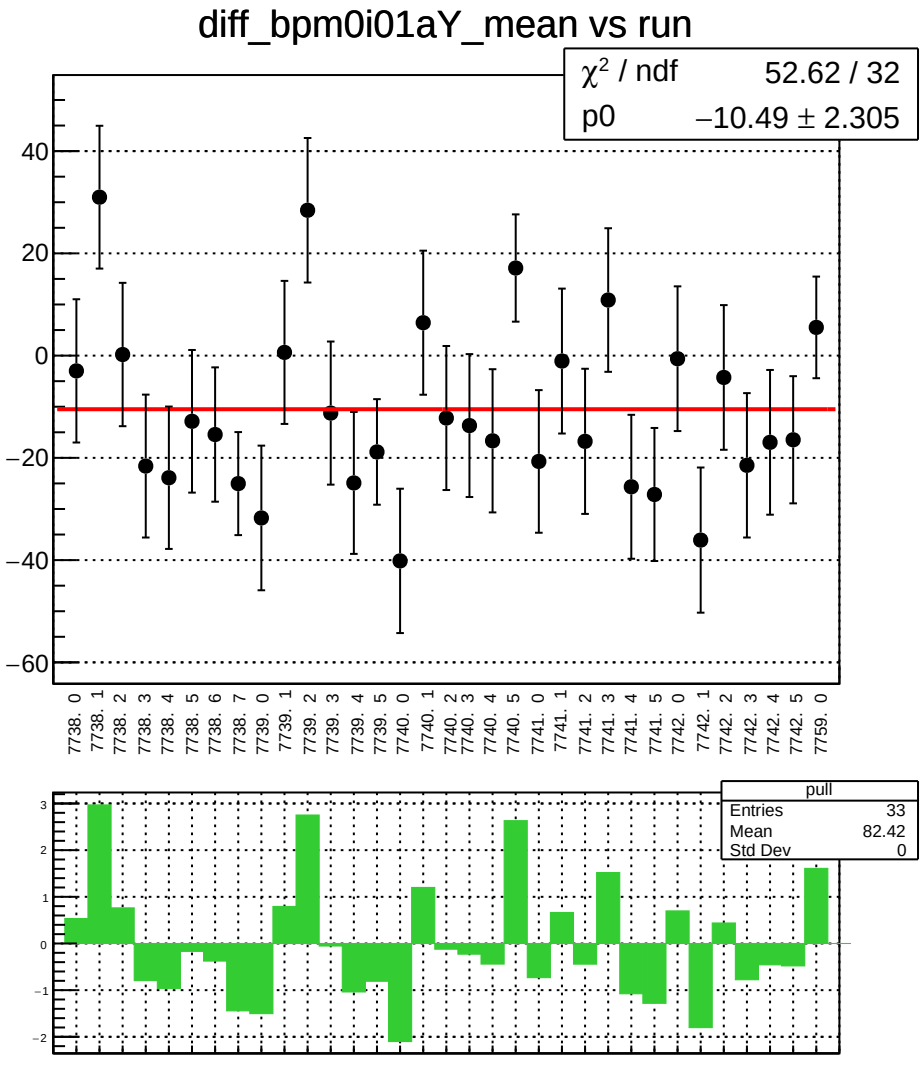

pull1D
Entries 33
Mean −0.002728
Std Dev 1.168
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

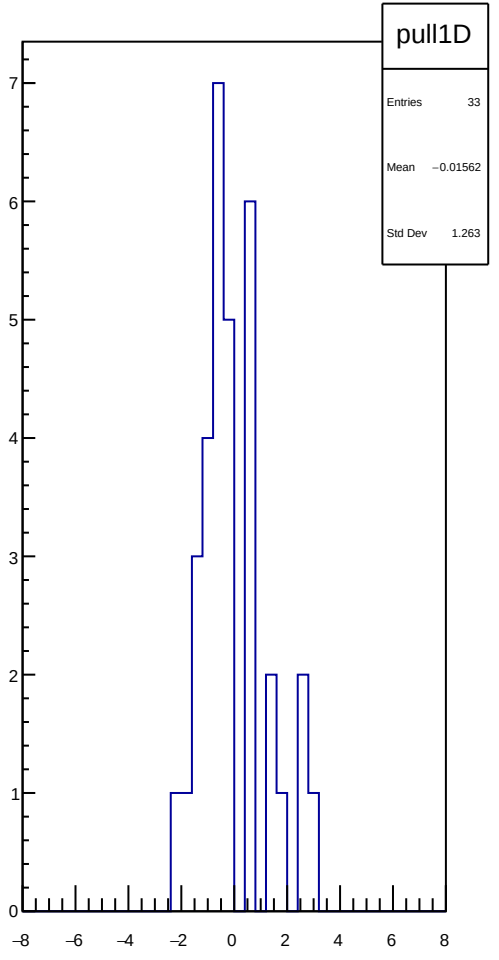

diff_bpm0i01Y_rms vs run
χ² / ndf 490 / 32
p0 1608 ± 1.975
1650
1600
1550
1500
1450
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

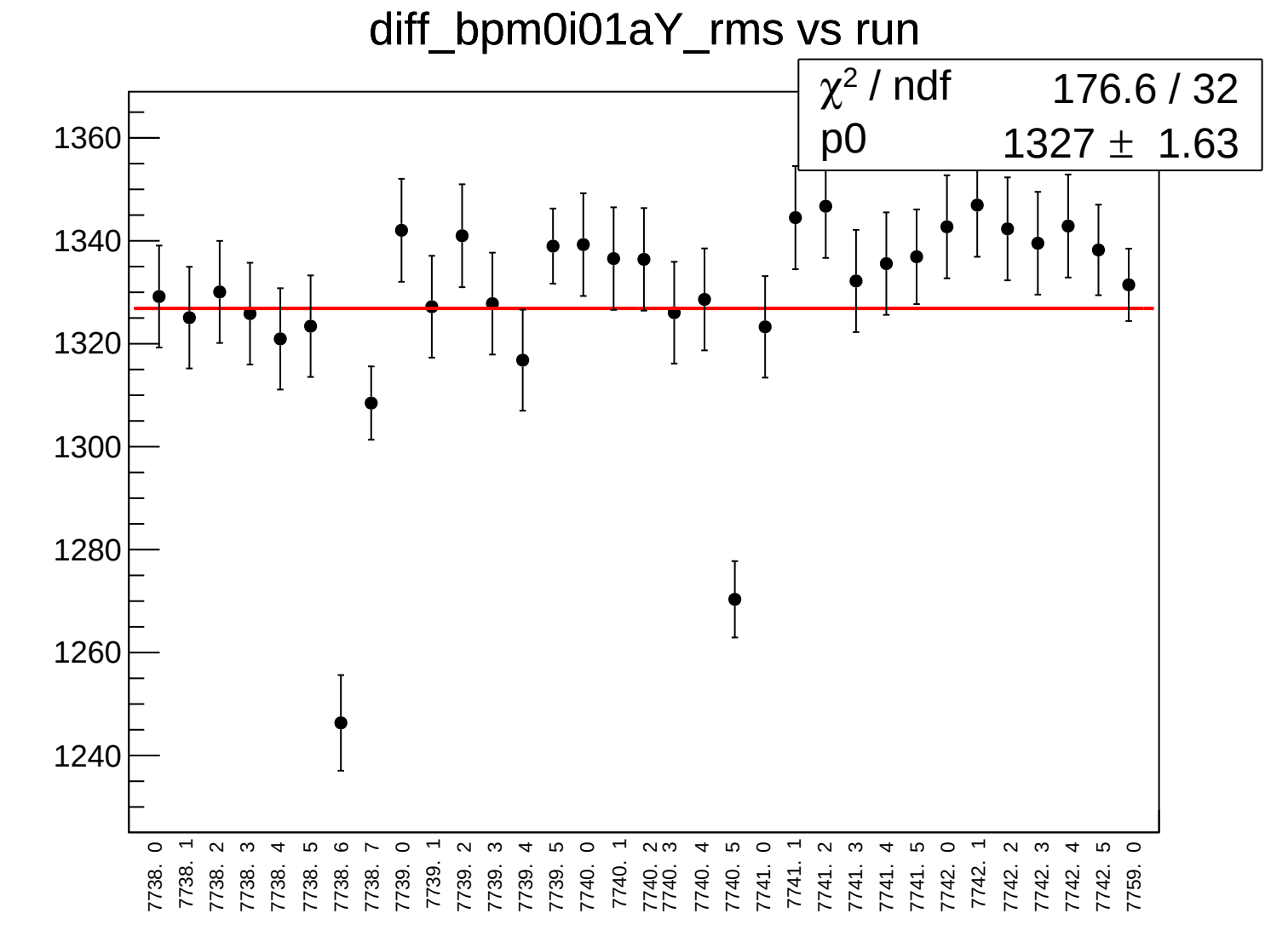

diff_bpm0i01aX_mean vs run
χ² / ndf 28.64 / 32
p0 −24.79 ± 2.67
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −76.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

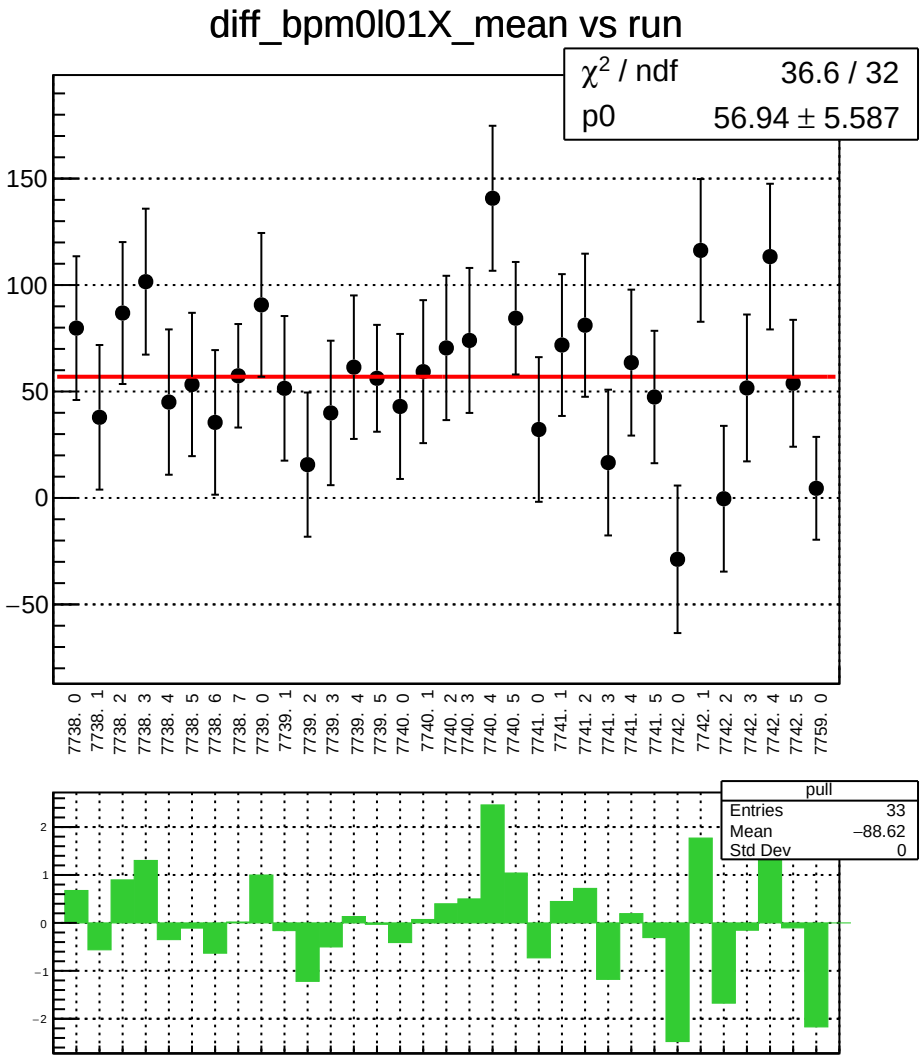

pull1D
Entries 33
Mean 0.009905
Std Dev 0.9316
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

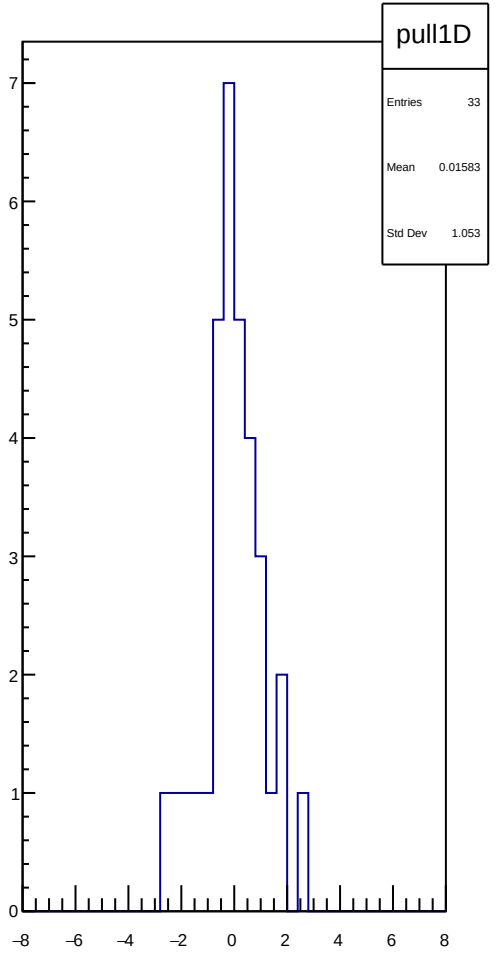

diff_bpm0i01aX_rms vs run
χ² / ndf 530 / 32
p0 1536 ± 1.888
1600
1550
1500
1450
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

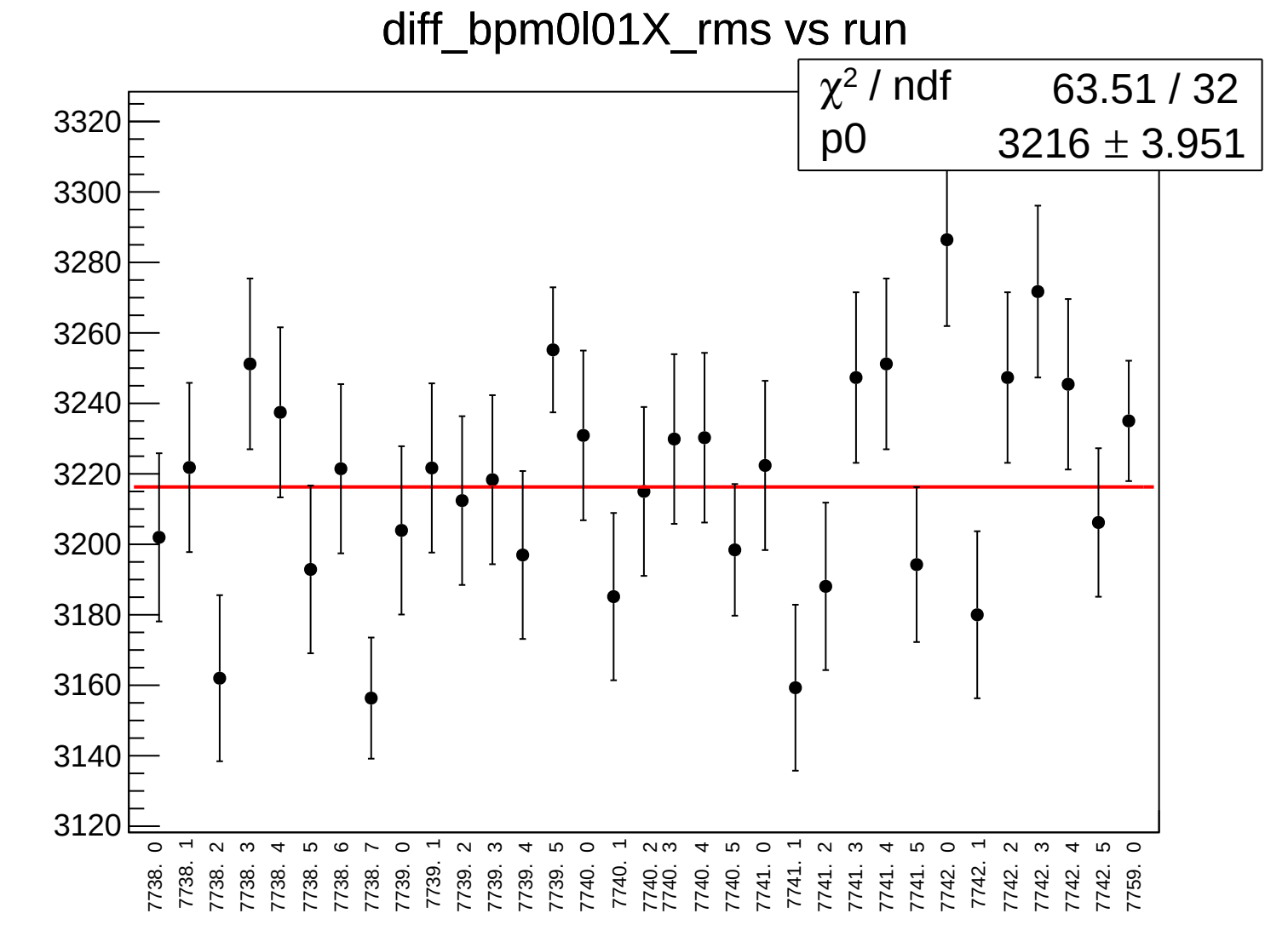

diff_bpm0i01aY_mean vs run
χ² / ndf 52.62 / 32
p0 −10.49 ± 2.305
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 82.42
Std Dev 0
3
2
1
0
−1
−2

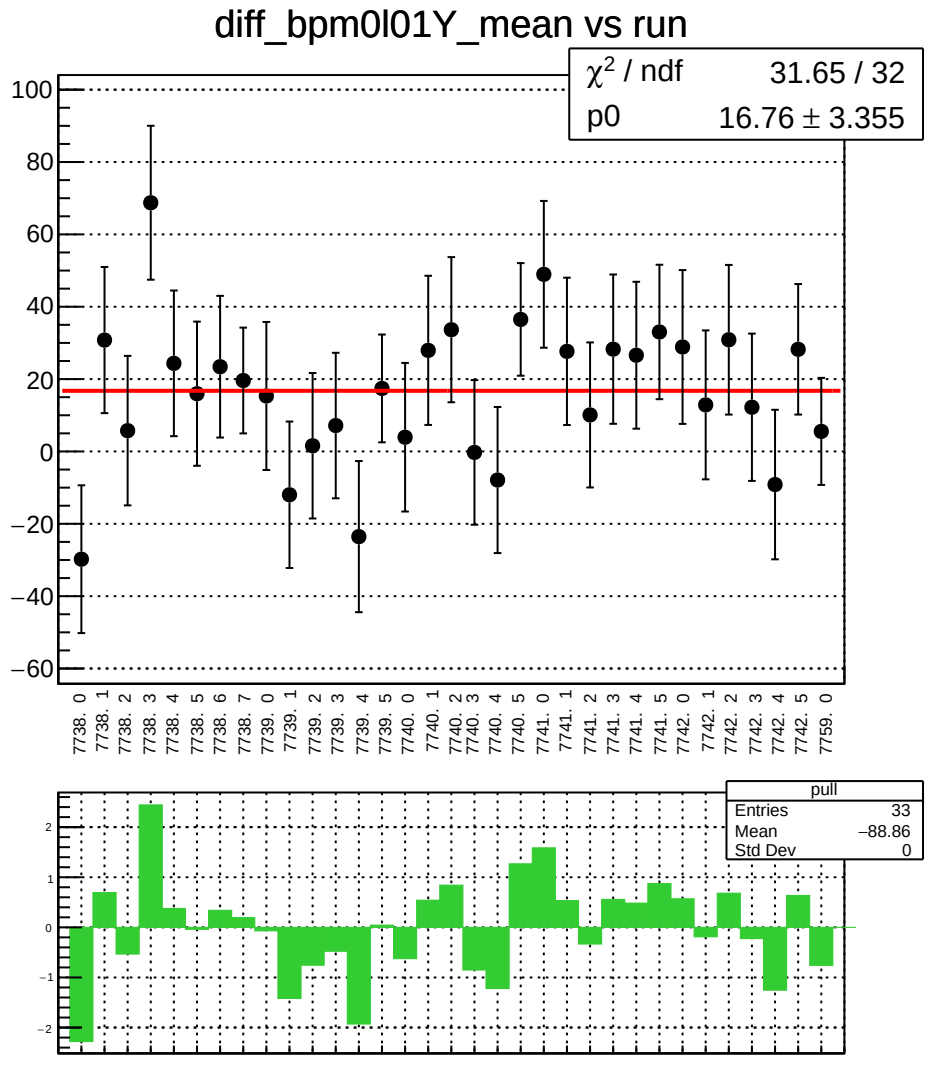

pull1D
Entries 33
Mean −0.01562
Std Dev 1.263
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

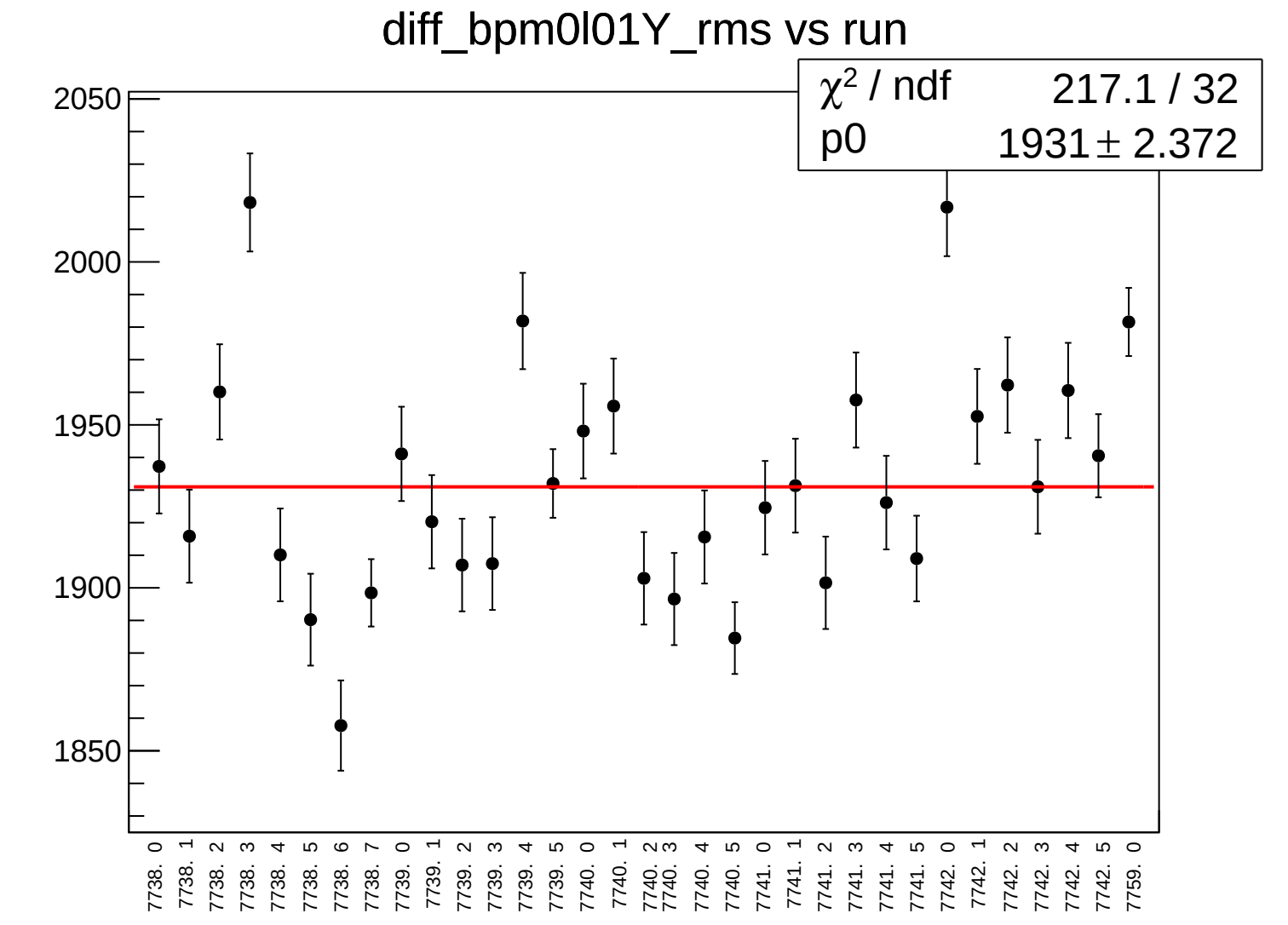

diff_bpm0i01aY_rms vs run
χ² / ndf 176.6 / 32
p0 1327 ± 1.63
1360
1340
1320
1300
1280
1260
1240
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

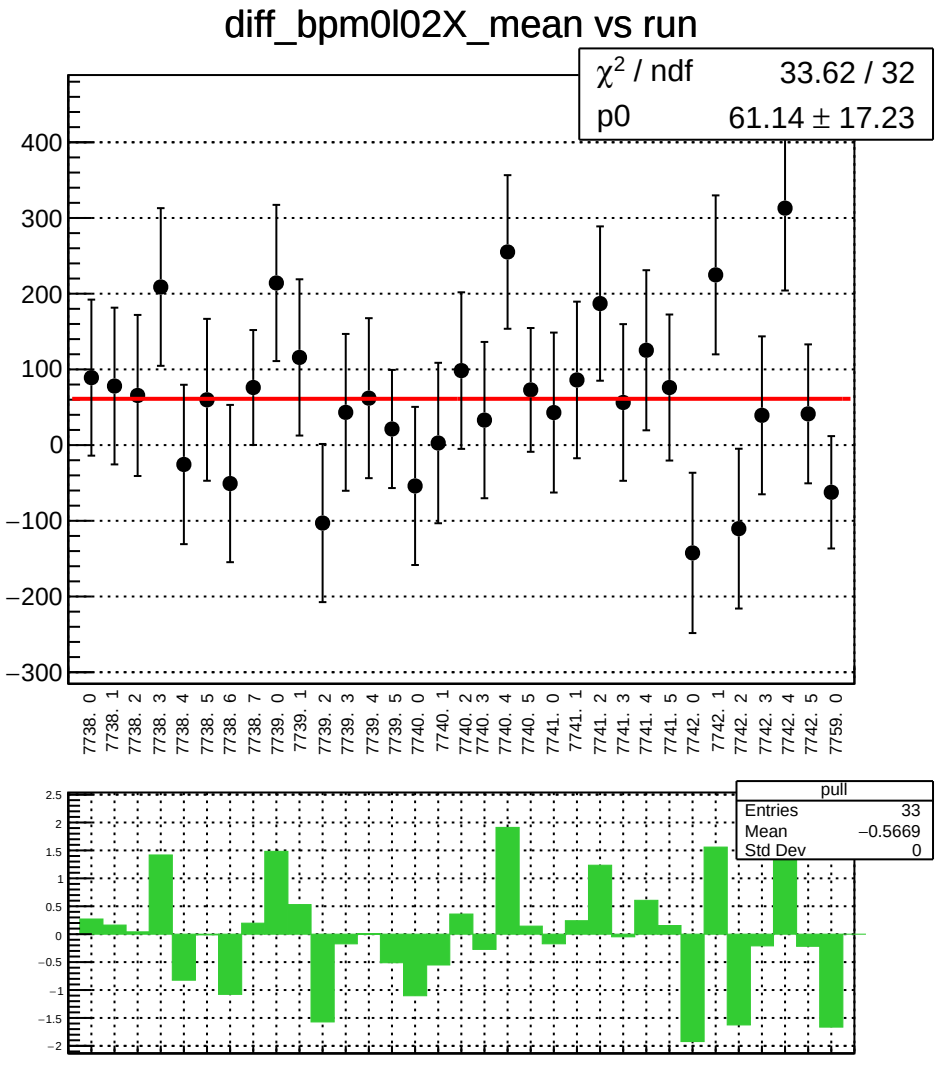

diff_bpm0l01X_mean vs run
χ² / ndf 36.6 / 32
p0 56.94 ± 5.587
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −88.62
Std Dev 0
2
1
0
−1
−2

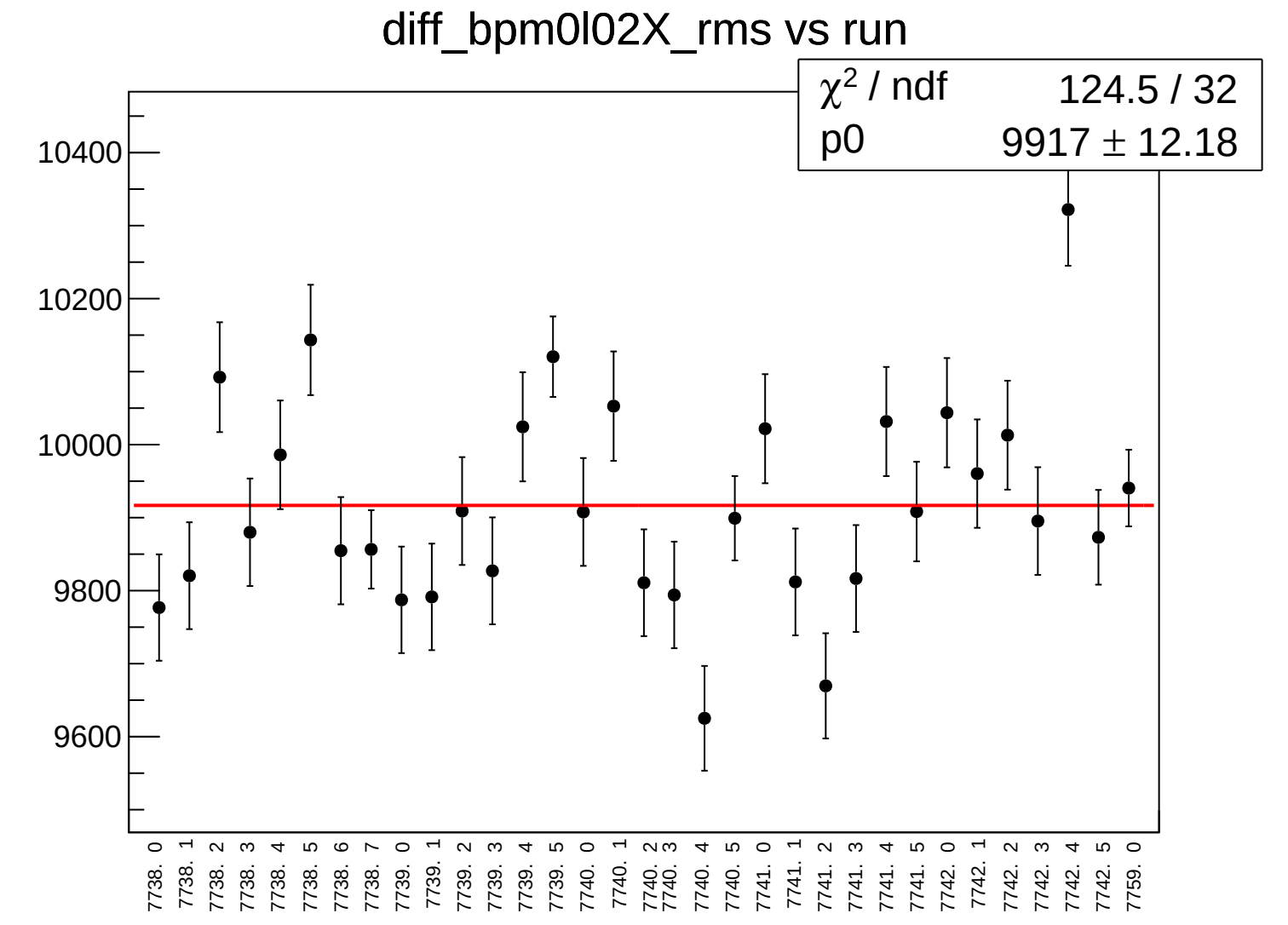

pull1D
Entries 33
Mean 0.01583
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

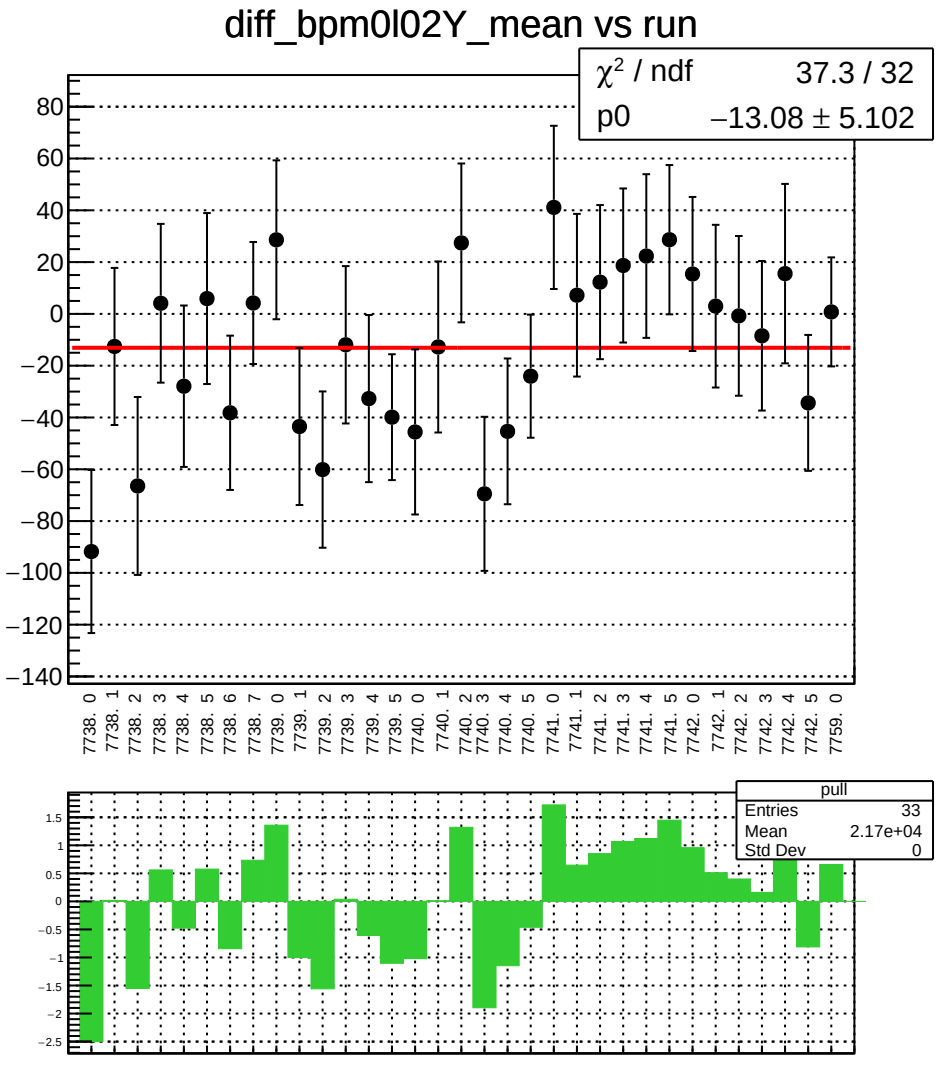

diff_bpm0l01X_rms vs run
χ² / ndf 63.51 / 32
p0 3216 ± 3.951
3320
3300
3280
3260
3240
3220
3200
3180
3160
3140
3120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

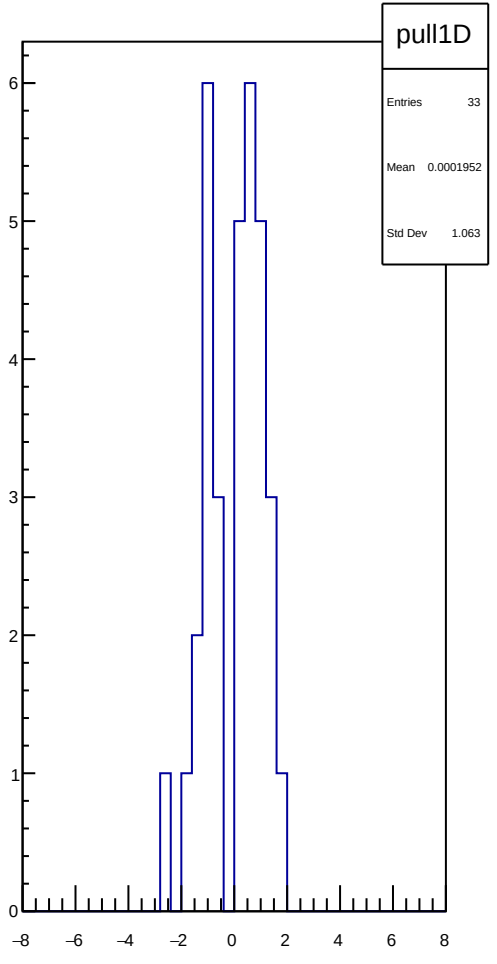

diff_bpm0l01Y_mean vs run
χ² / ndf 31.65 / 32
p0 16.76 ± 3.355
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −88.86
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.008676
Std Dev 0.9792
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

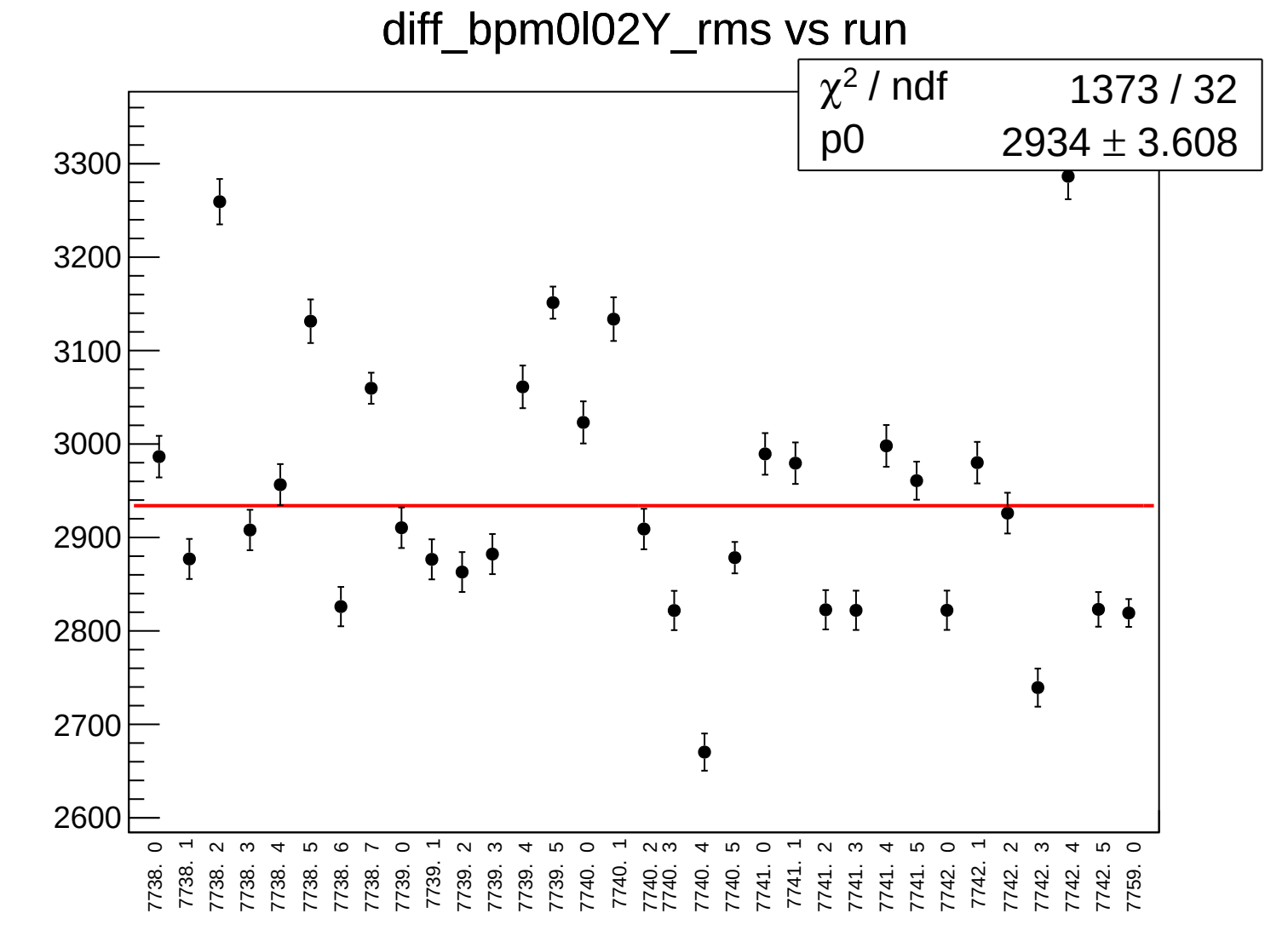

diff_bpm0l01Y_rms vs run
χ² / ndf 217.1 / 32
p0 1931 ± 2.372
2050
2000
1950
1900
1850
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

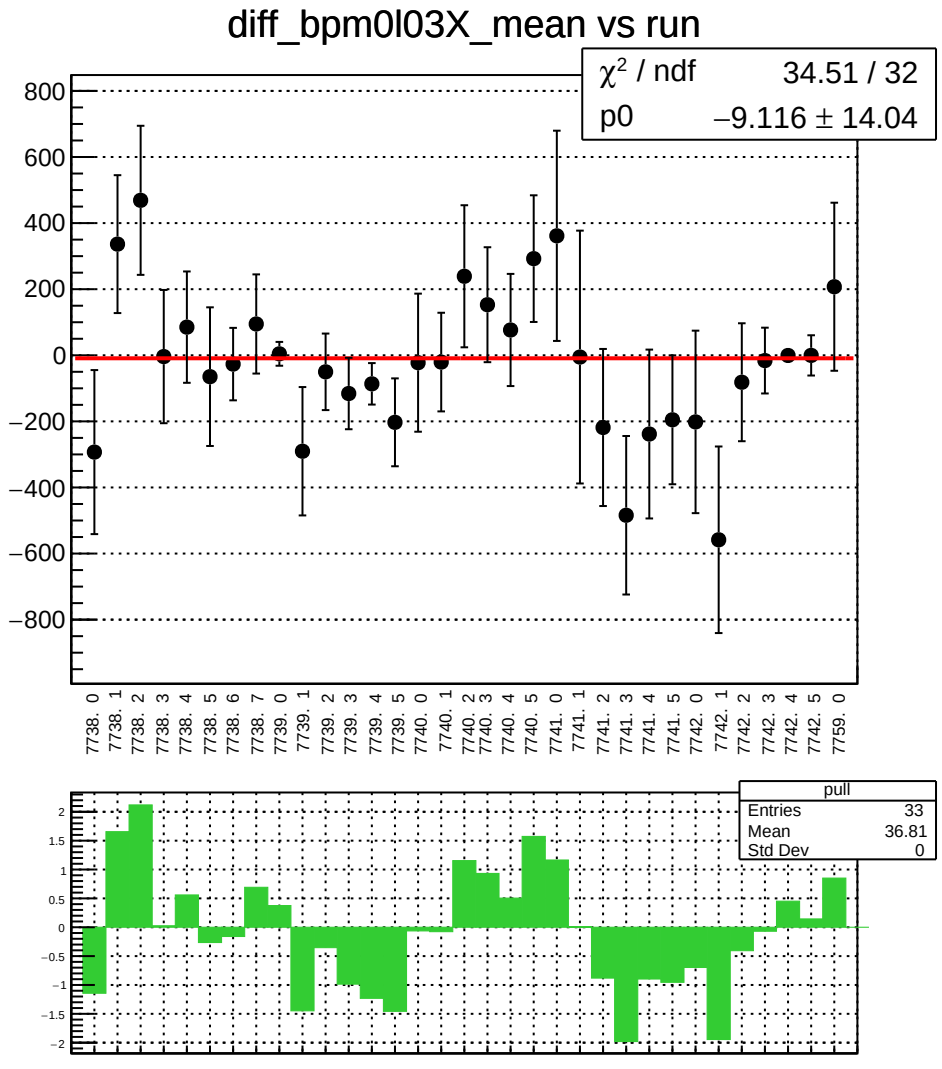

diff_bpm0l02X_mean vs run
χ² / ndf 33.62 / 32
p0 61.14 ± 17.23
400
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.5669
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02085
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

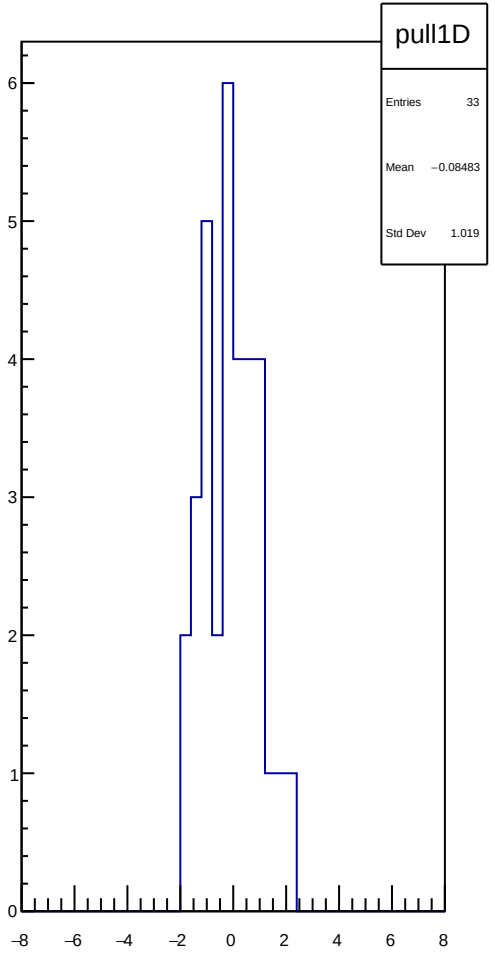

diff_bpm0l02X_rms vs run
χ² / ndf 124.5 / 32
p0 9917 ± 12.18
10400
10200
10000
9800
9600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

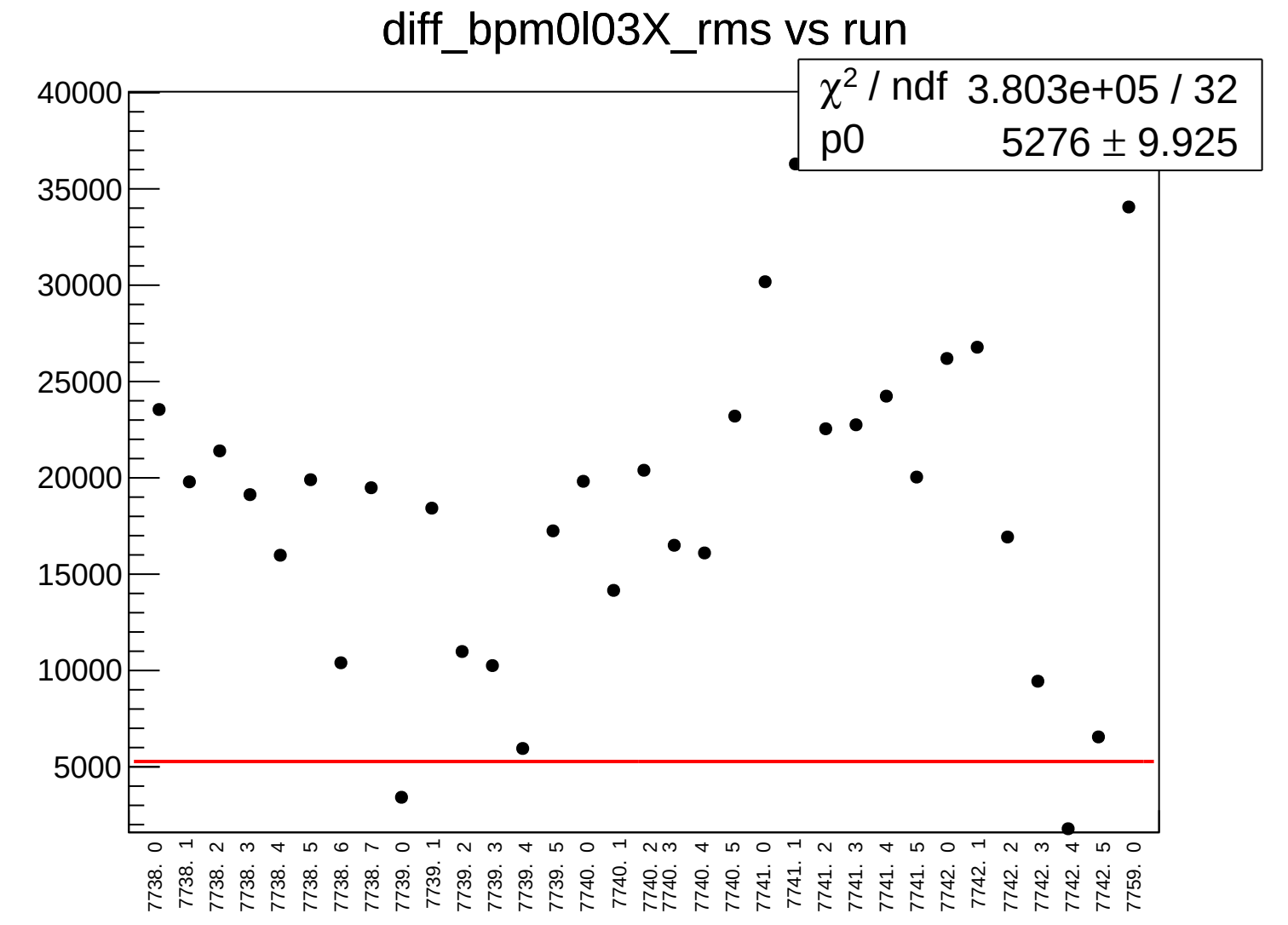

diff_bpm0l02Y_mean vs run
χ² / ndf 37.3 / 32
p0 −13.08 ± 5.102
pull
Entries 33
Mean 2.17e+04
Std Dev 0

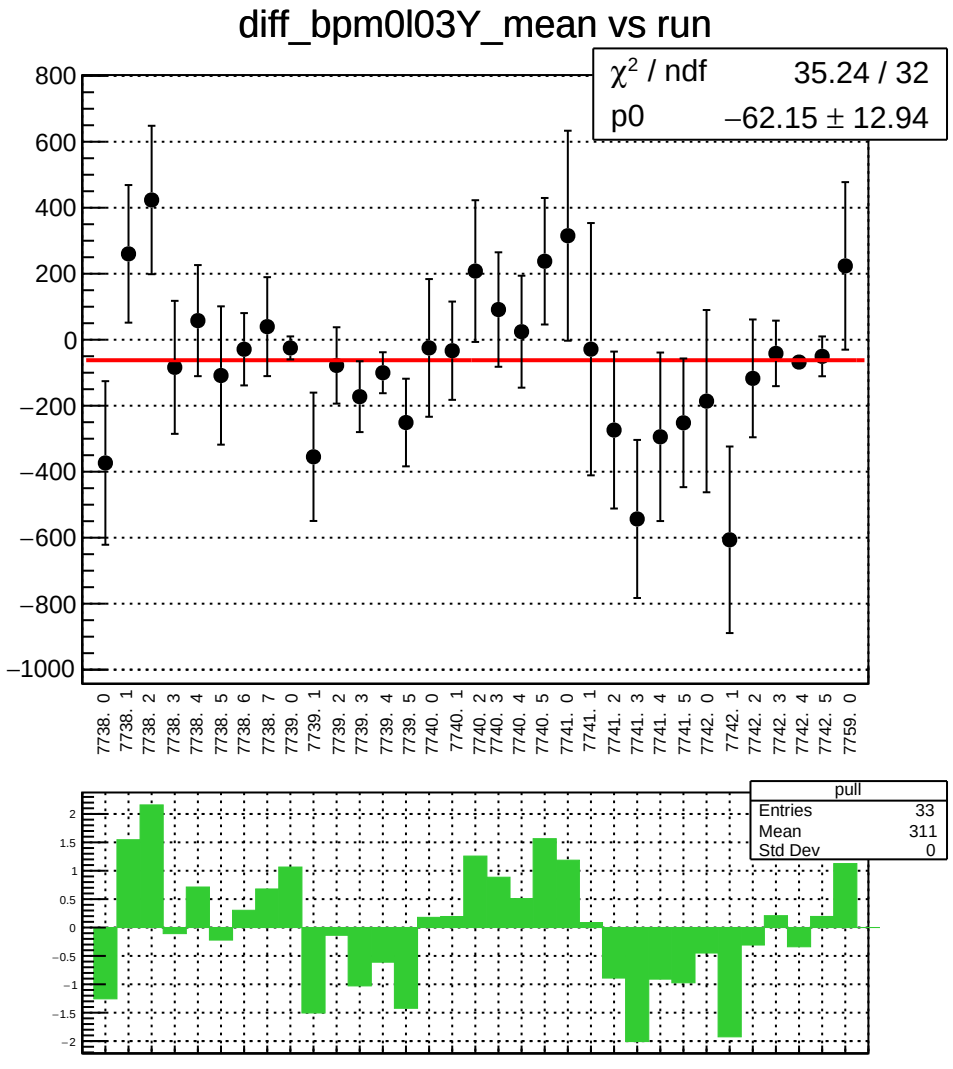

pull1D
Entries 33
Mean 0.0001952
Std Dev 1.063

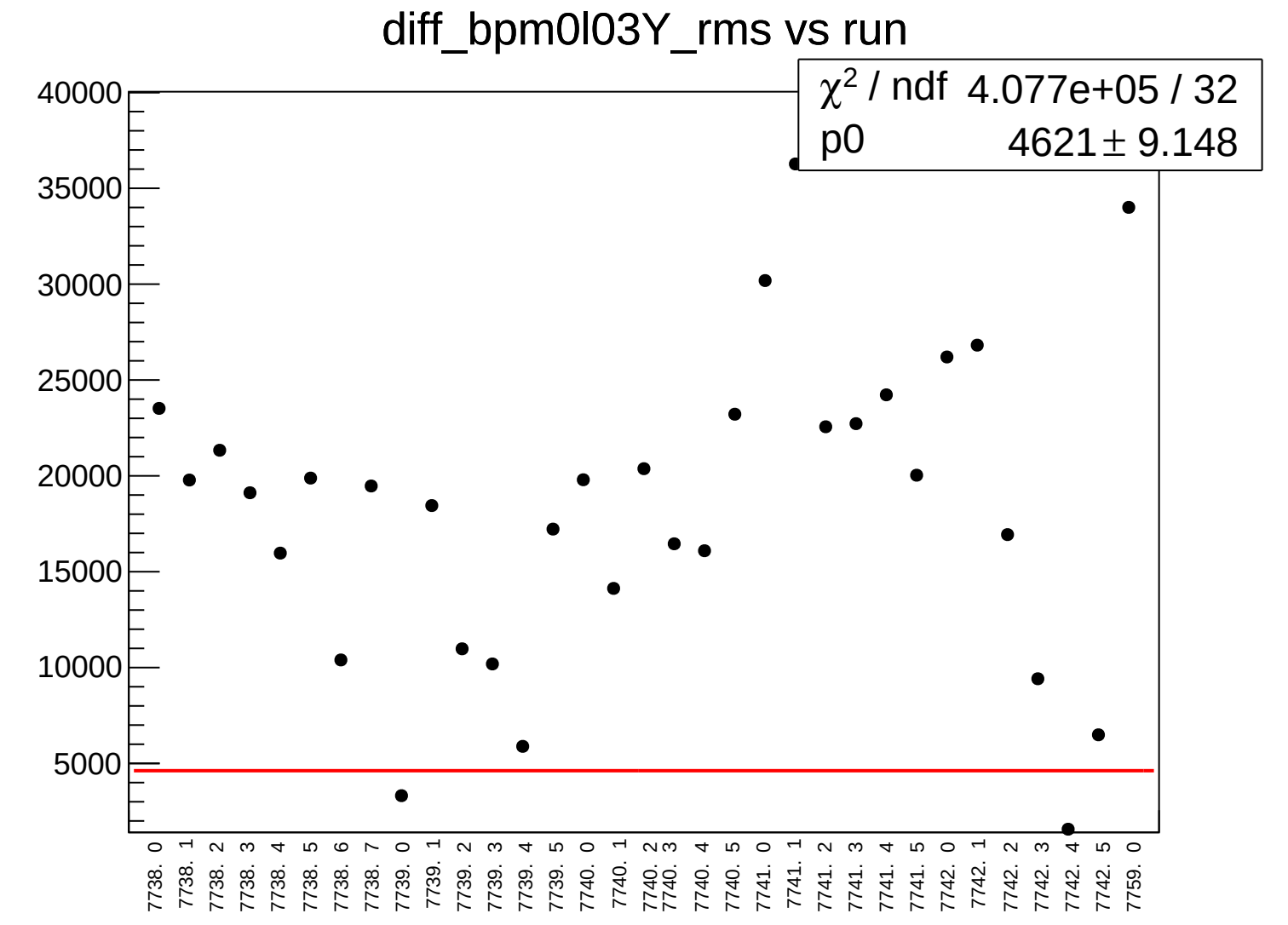

diff_bpm0l02Y_rms vs run
χ² / ndf 1373 / 32
p0 2934 ± 3.608
3300
3200
3100
3000
2900
2800
2700
2600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

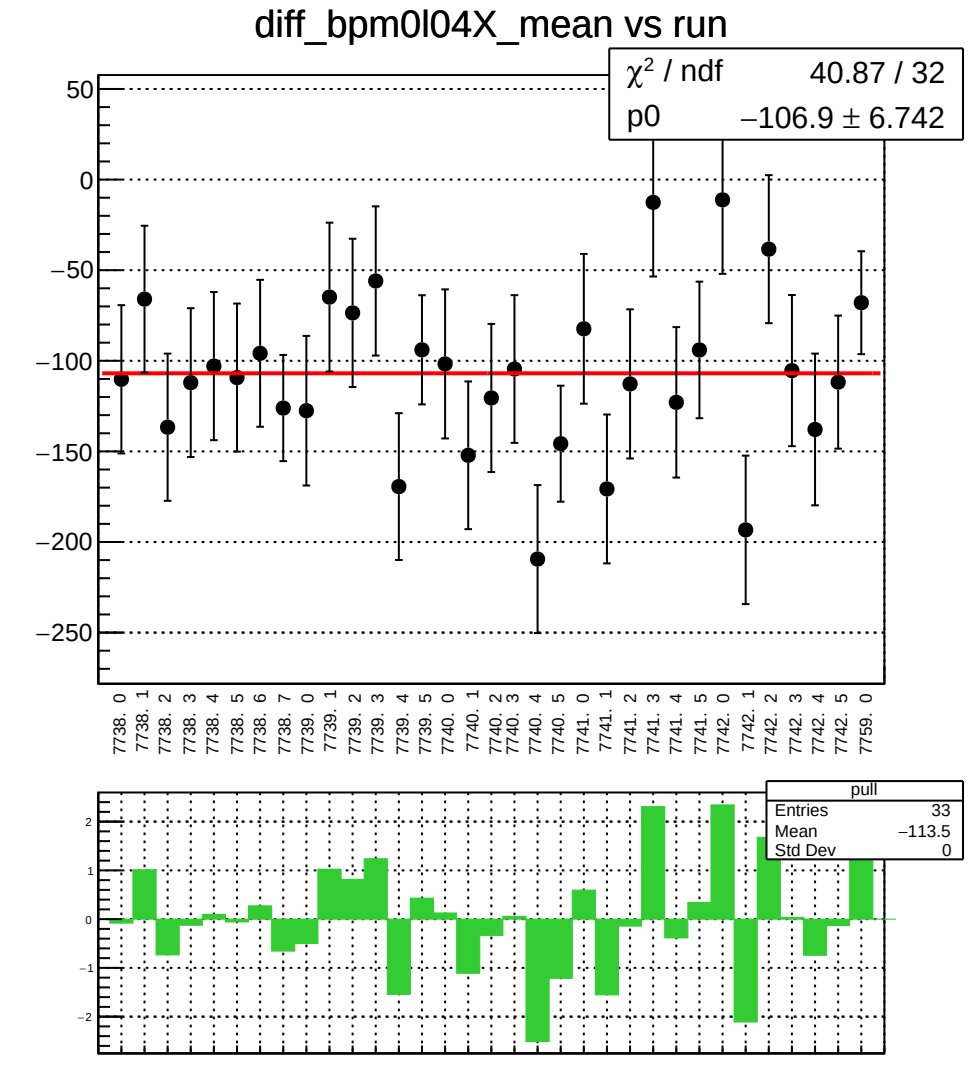

diff_bpm0l03X_mean vs run
χ² / ndf 34.51 / 32
p0 −9.116 ± 14.04
pull
Entries 33
Mean 36.81
Std Dev 0

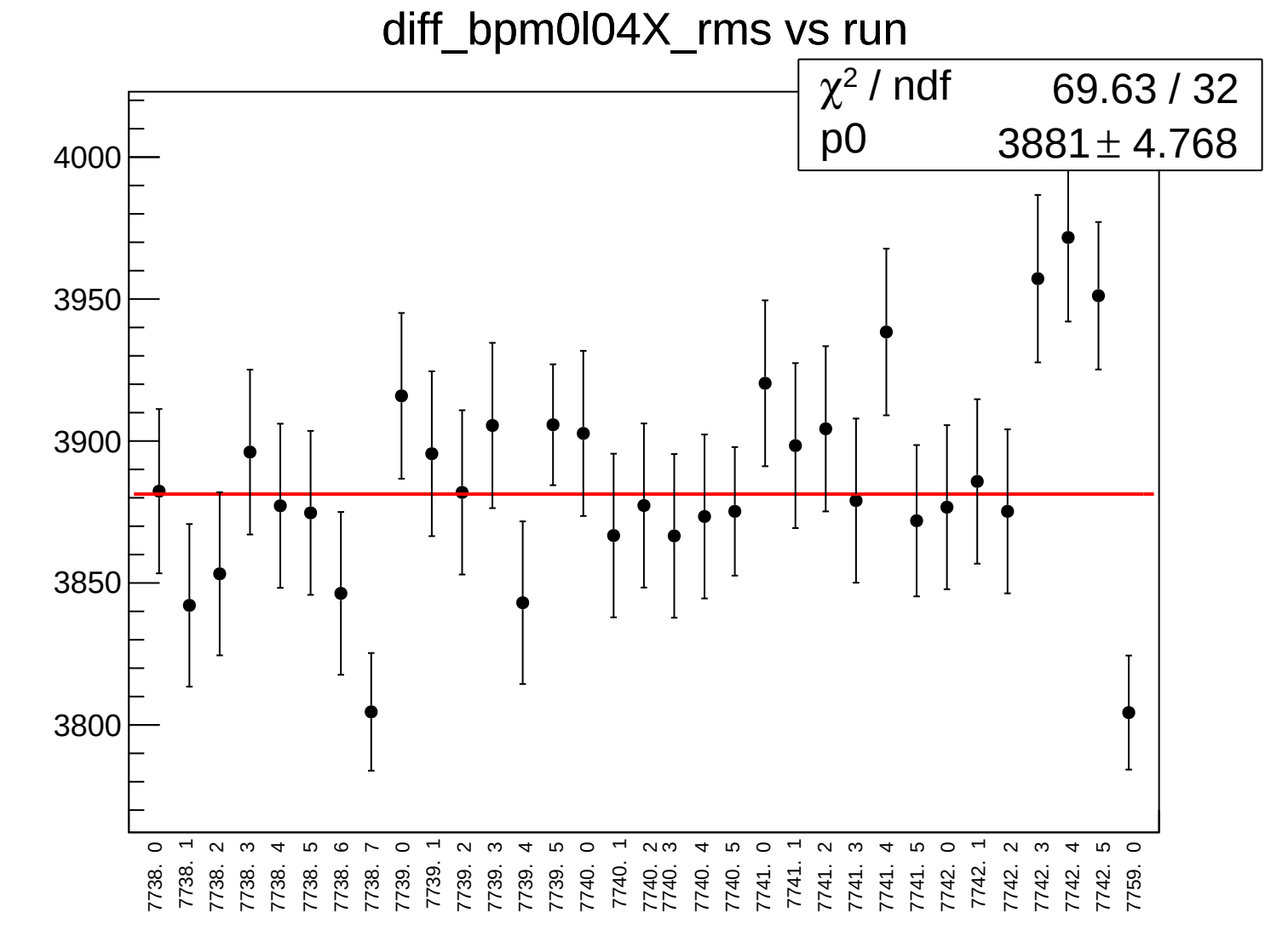

pull1D
Entries 33
Mean −0.08483
Std Dev 1.019

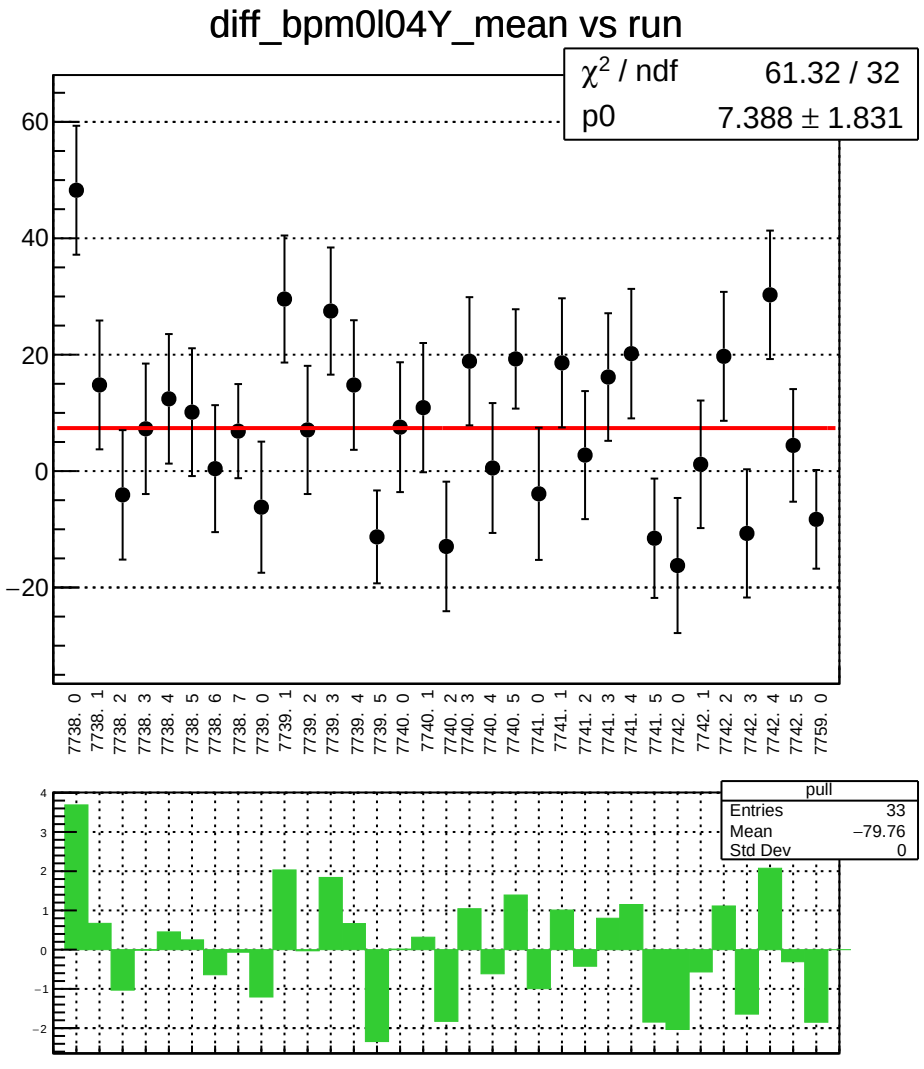

diff_bpm0l03X_rms vs run
χ² / ndf 3.803e+05 / 32
p0 5276 ± 9.925
40000
35000
30000
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

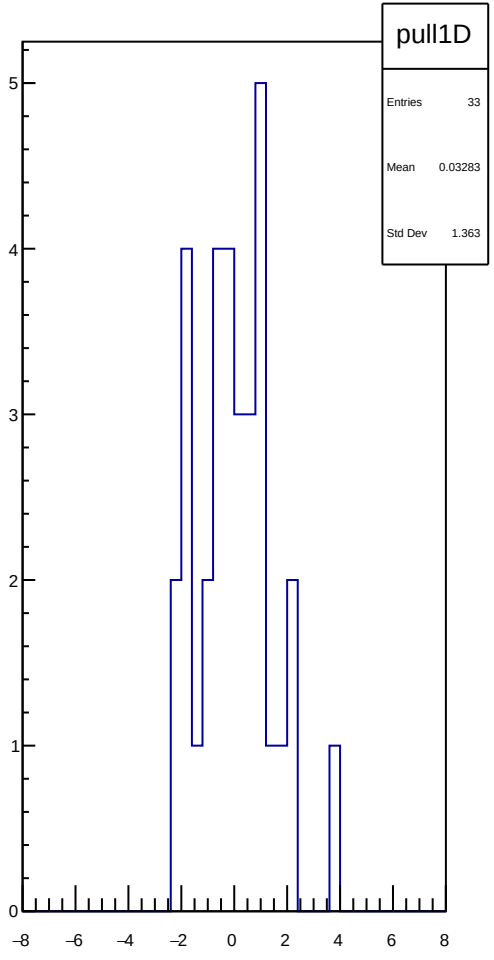

diff_bpm0l03Y_mean vs run
χ² / ndf 35.24 / 32
p0 −62.15 ± 12.94
pull
Entries 33
Mean 311
Std Dev 0
pull1D
Entries 33
Mean −0.006914
Std Dev 1.033

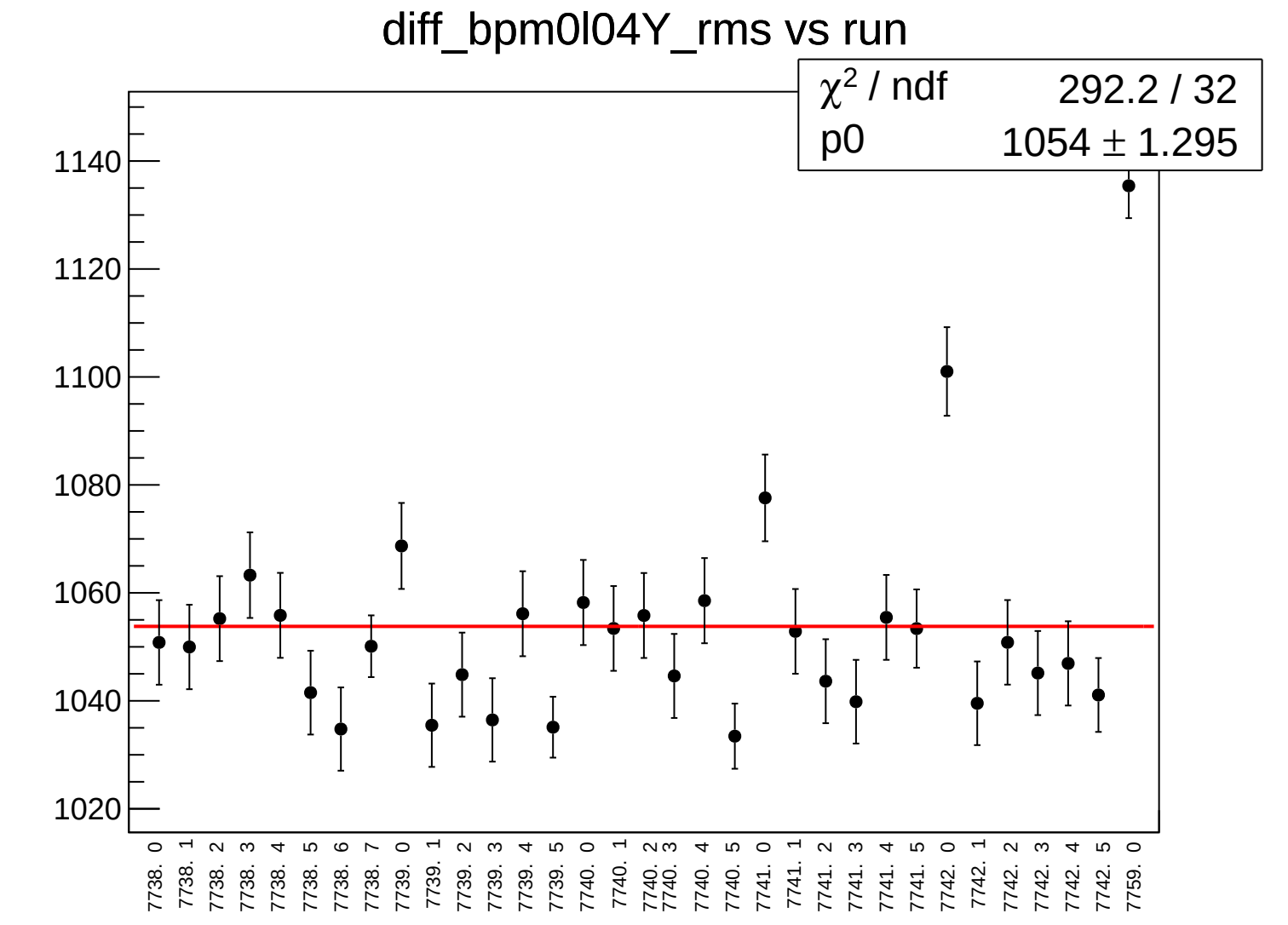

diff_bpm0l03Y_rms vs run
χ² / ndf 4.077e+05 / 32
p0 4621 ± 9.148
40000
35000
30000
25000
20000
15000
10000
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

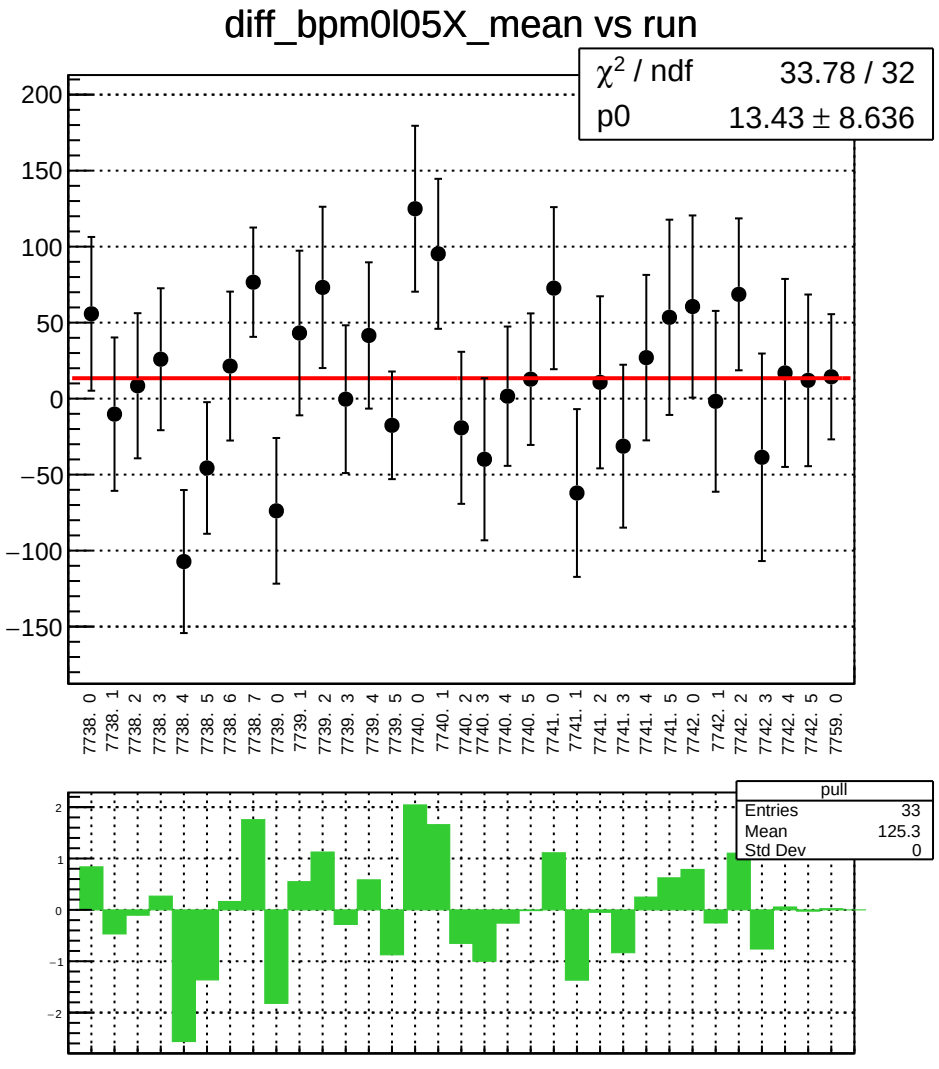

diff_bpm0l04X_mean vs run
χ² / ndf 40.87 / 32
p0 −106.9 ± 6.742
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.005558
Std Dev 1.113
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

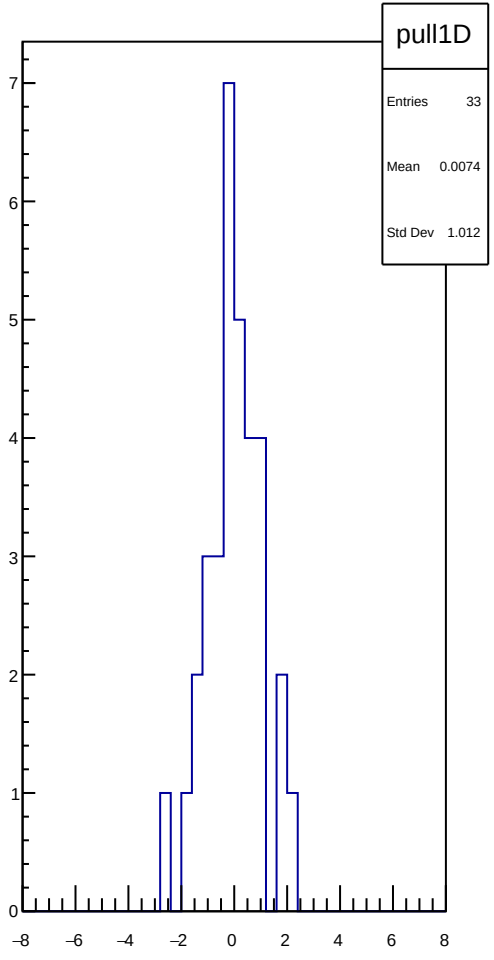

diff_bpm0l04X_rms vs run
χ² / ndf 69.63 / 32
p0 3881 ± 4.768
4000
3950
3900
3850
3800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

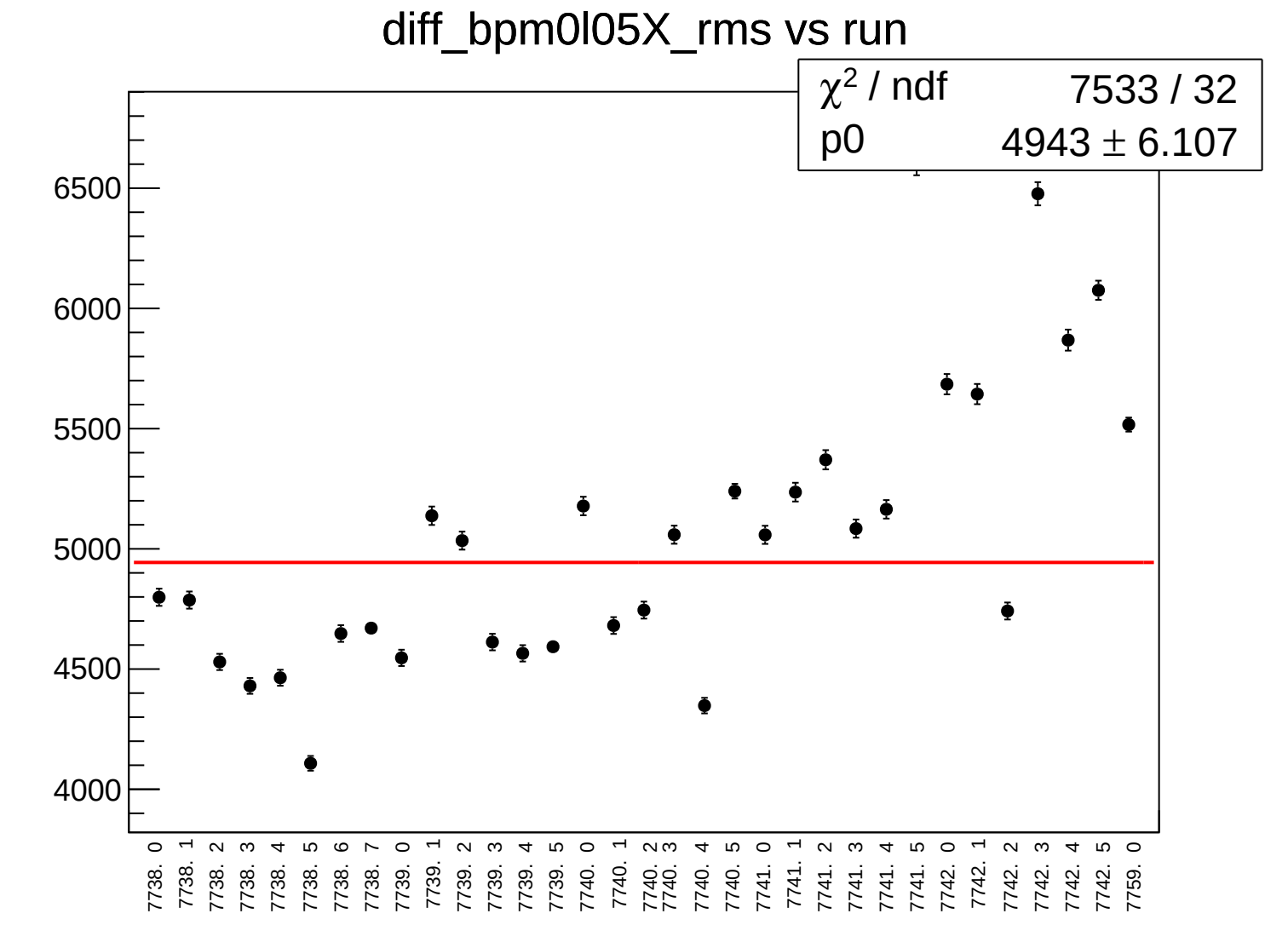

diff_bpm0l04Y_mean vs run
χ^2 / ndf 61.32 / 32
p0 7.388 ± 1.831
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −79.76
Std Dev 0
4
3
2
1
0
−1
−2

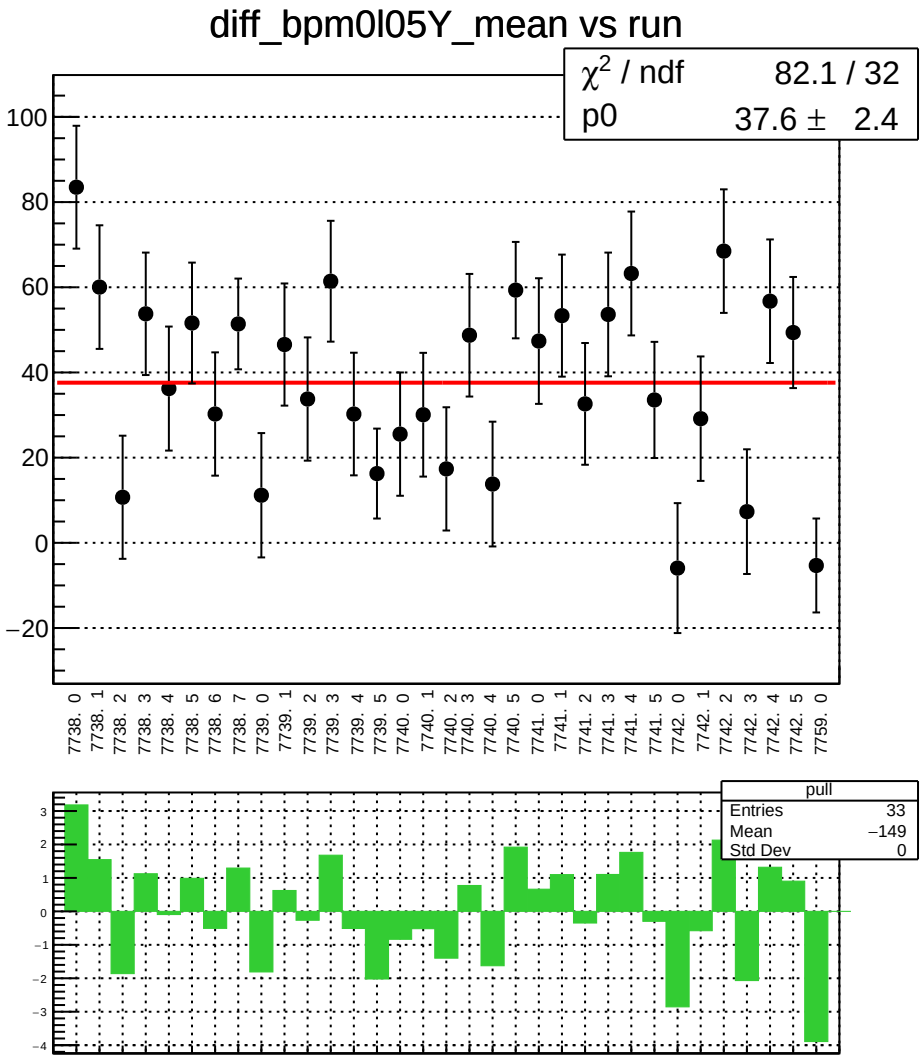

pull1D
Entries 33
Mean 0.03283
Std Dev 1.363
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

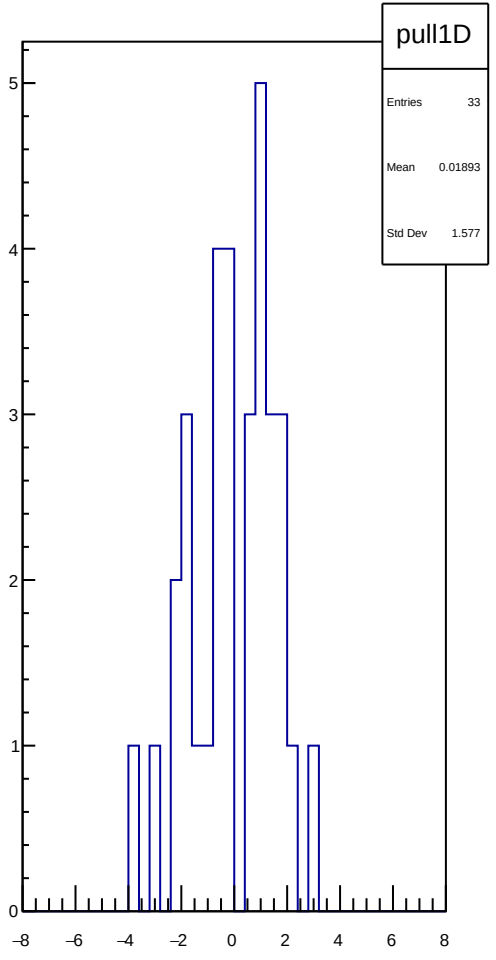

diff_bpm0l04Y_rms vs run
χ² / ndf 292.2 / 32
p0 1054 ± 1.295
1140
1120
1100
1080
1060
1040
1020
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

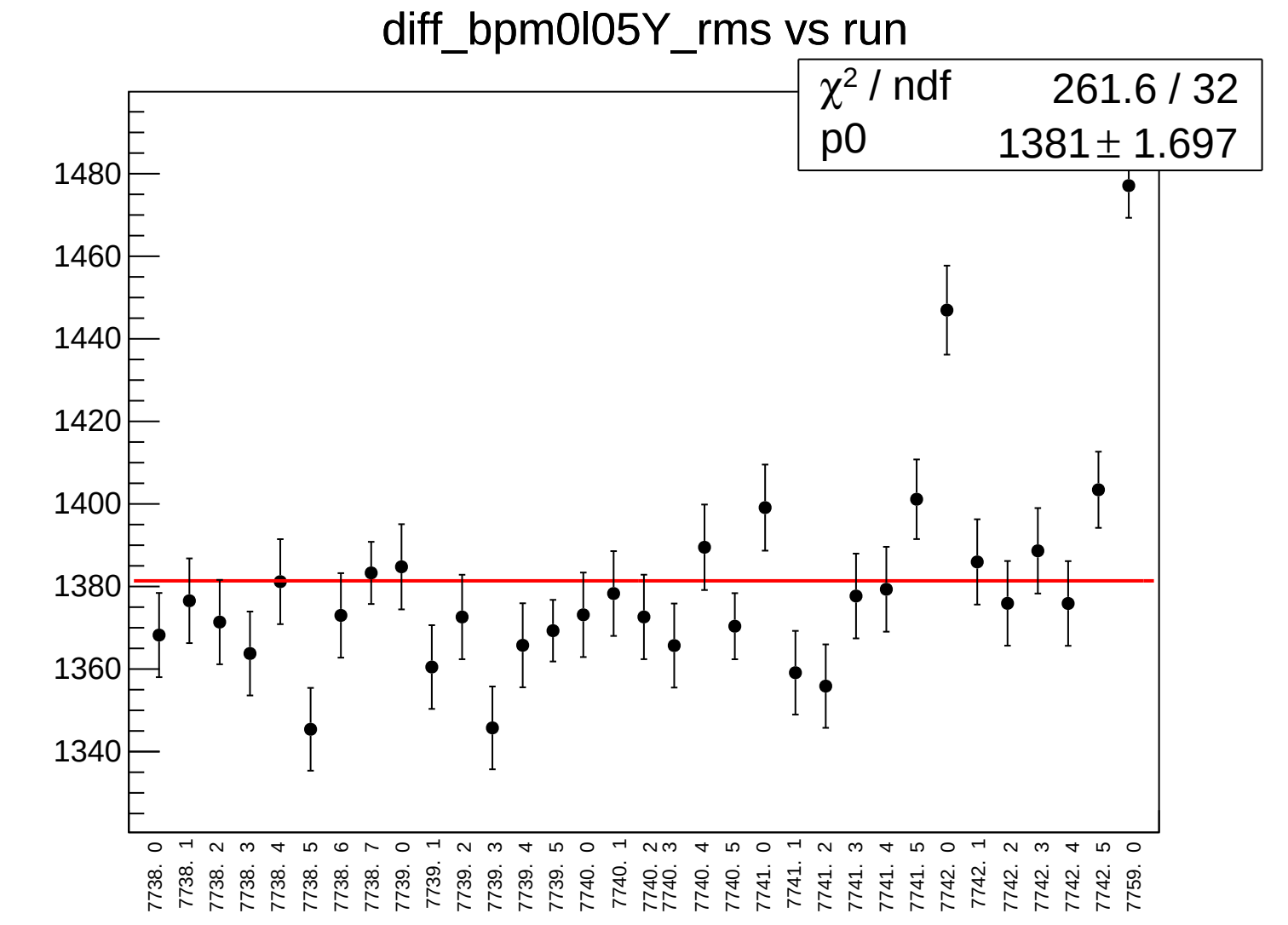

diff_bpm0l05X_mean vs run
χ² / ndf 33.78 / 32
p0 13.43 ± 8.636
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 125.3
Std Dev 0
2
1
0
−1
−2

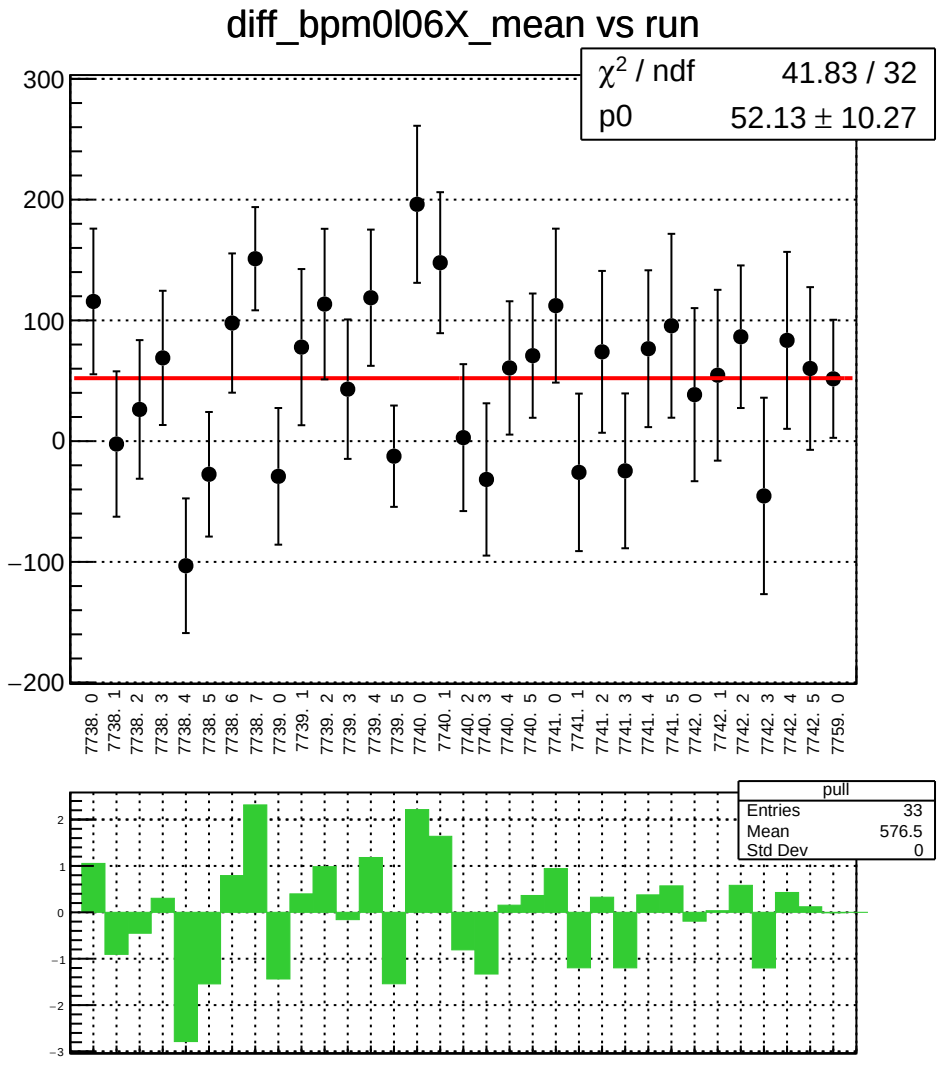

pull1D
Entries 33
Mean 0.0074
Std Dev 1.012
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

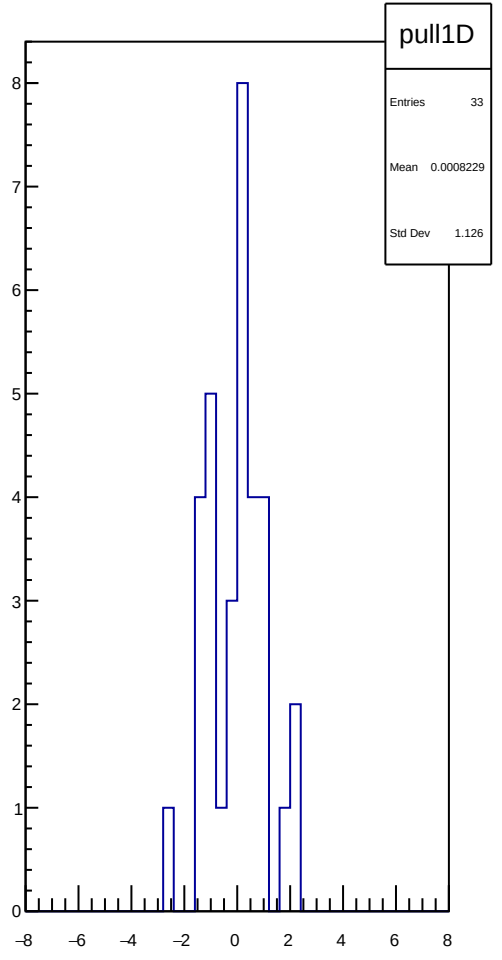

diff_bpm0l05X_rms vs run
χ² / ndf 7533 / 32
p0 4943 ± 6.107
6500
6000
5500
5000
4500
4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

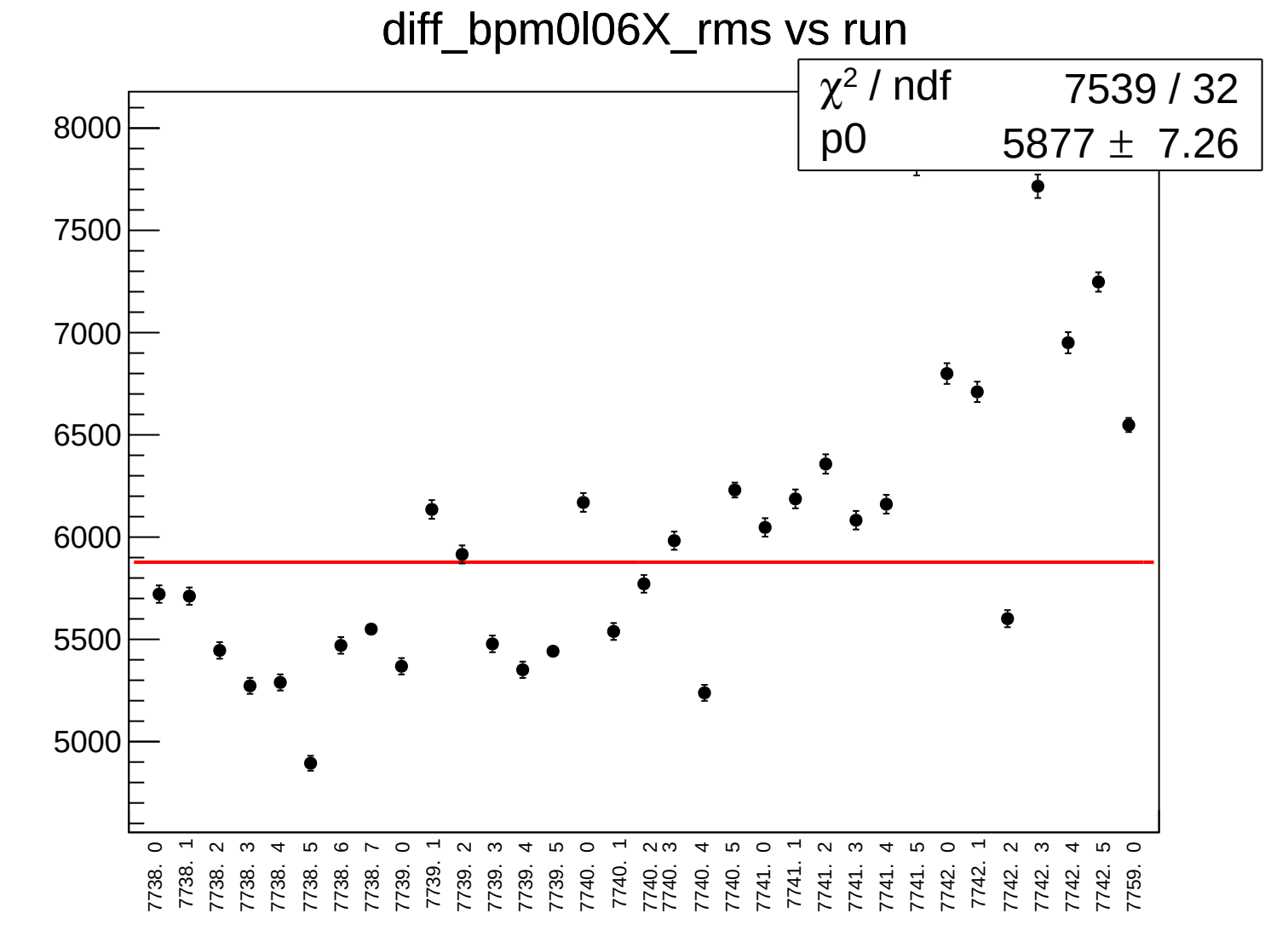

diff_bpm0l05Y_mean vs run
χ^2 / ndf 82.1 / 32
p0 37.6 ± 2.4
100
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −149
Std Dev 0
3
2
1
0
−1
−2
−3
−4

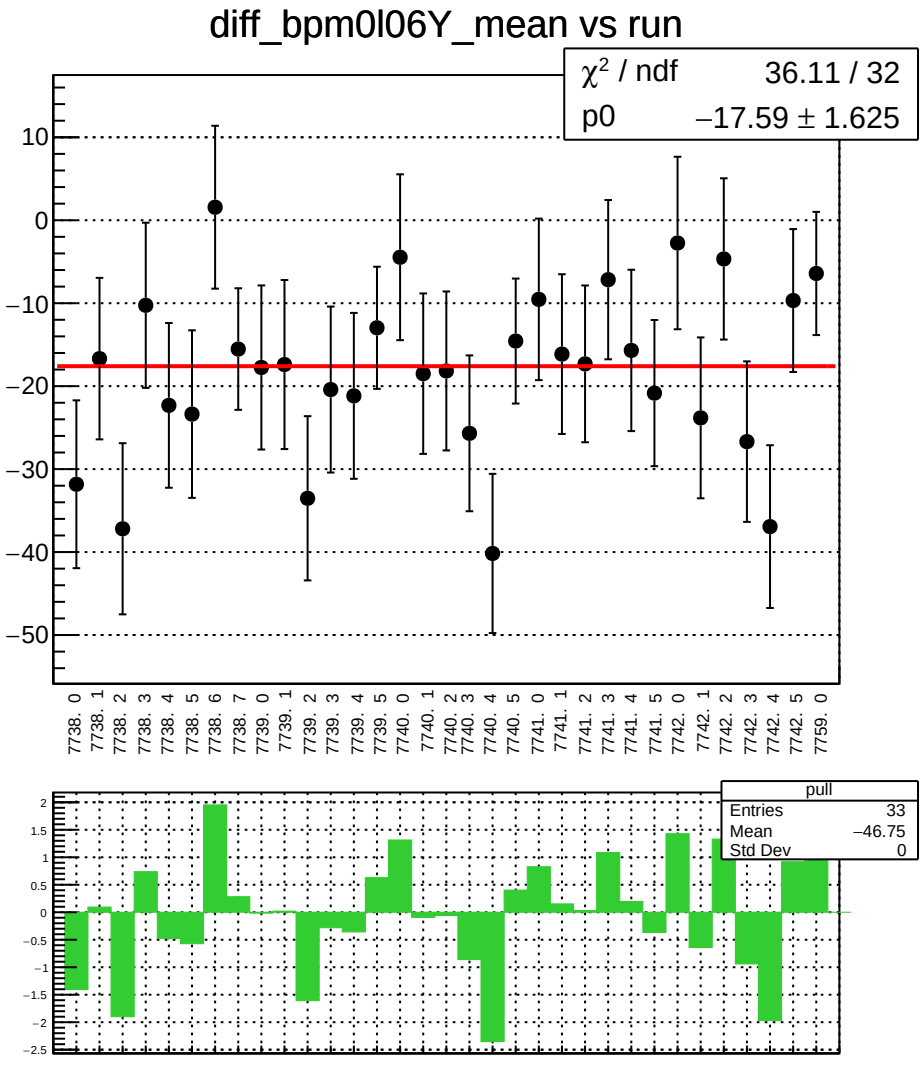

pull1D
Entries 33
Mean 0.01893
Std Dev 1.577
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

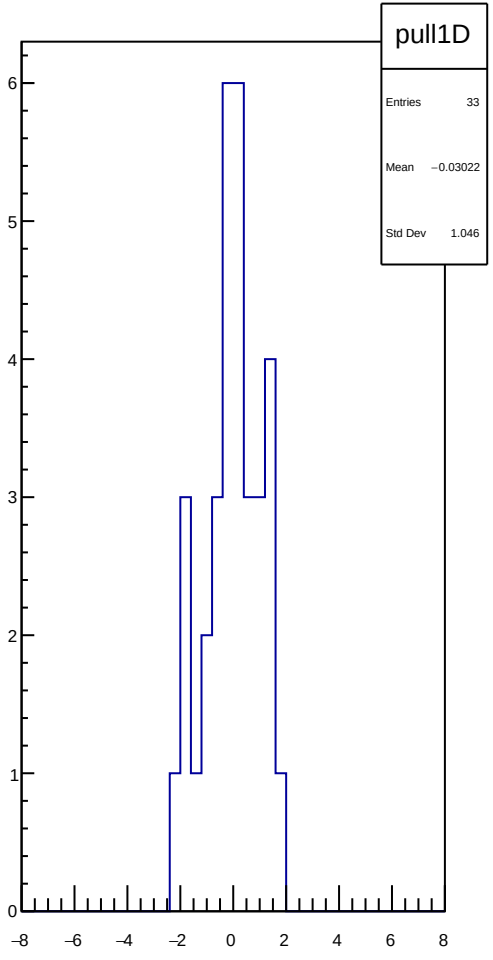

diff_bpm0l05Y_rms vs run
χ² / ndf 261.6 / 32
p0 1381 ± 1.697
1480
1460
1440
1420
1400
1380
1360
1340
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

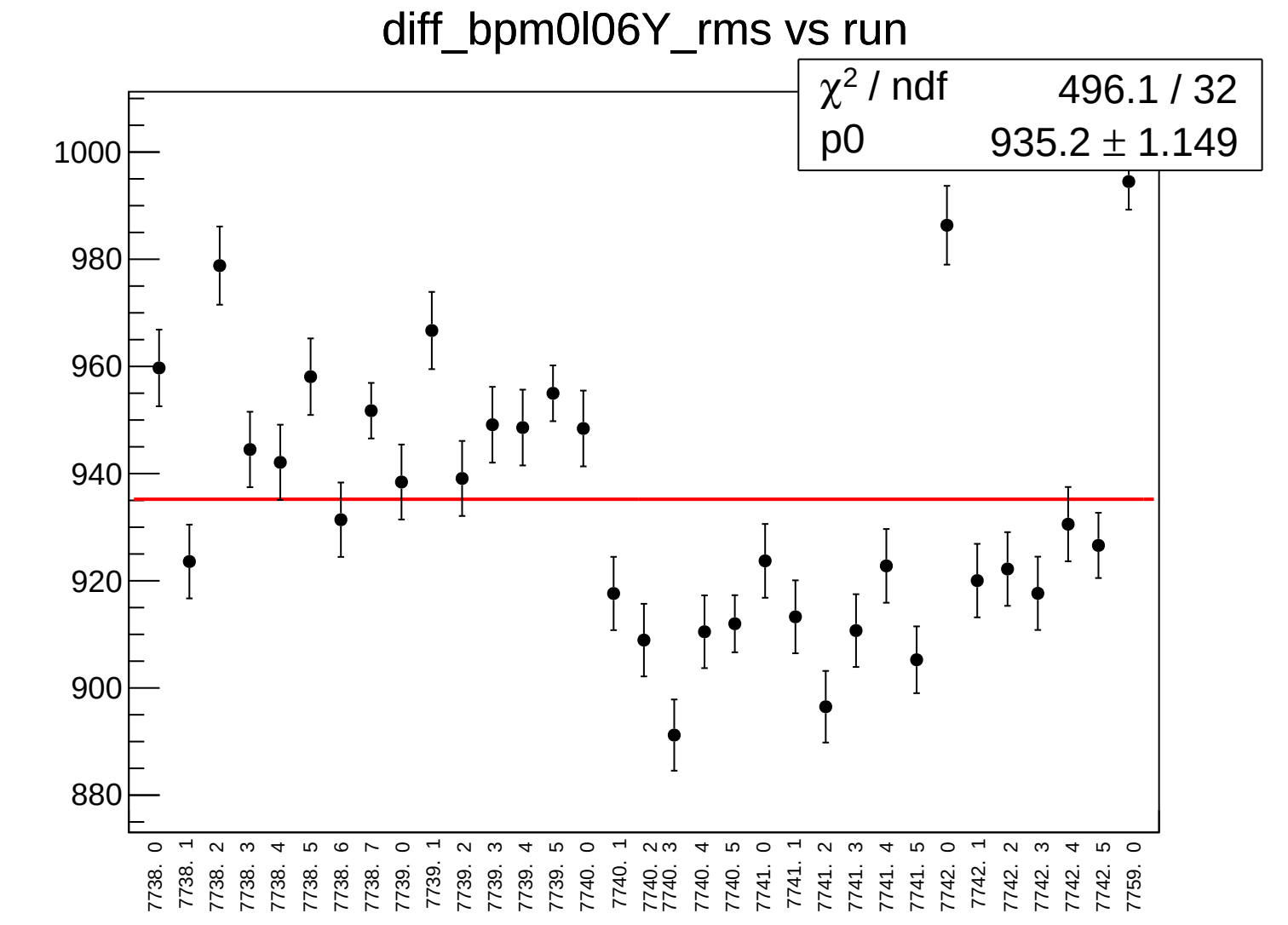

diff_bpm0l06X_mean vs run
χ² / ndf 41.83 / 32
p0 52.13 ± 10.27
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 576.5
Std Dev 0
2
1
0
−1
−2
−3

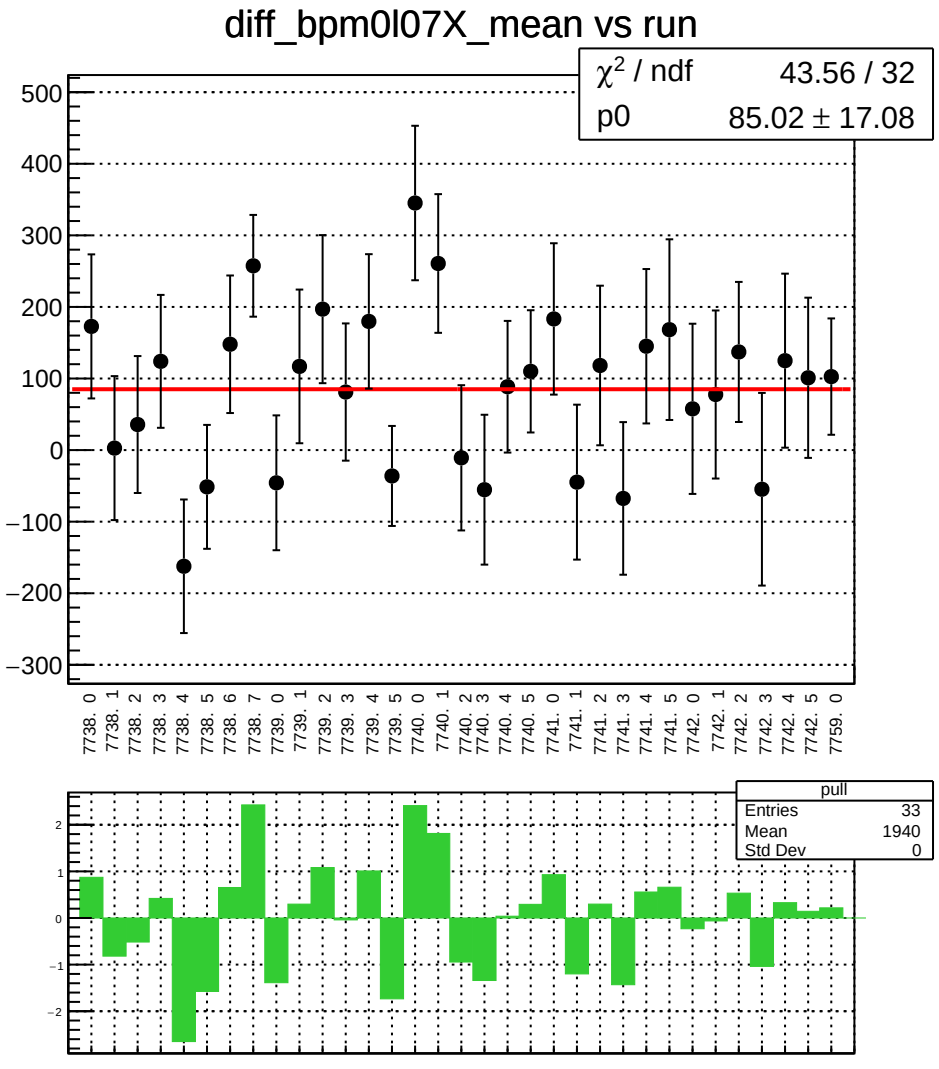

pull1D
Entries 33
Mean 0.0008229
Std Dev 1.126
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

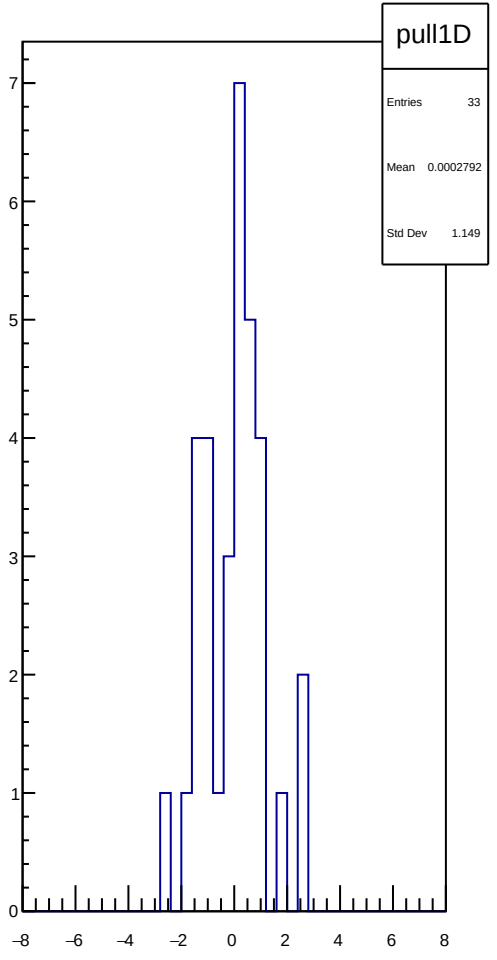

diff_bpm0l06X_rms vs run
χ² / ndf 7539 / 32
p0 5877 ± 7.26
8000
7500
7000
6500
6000
5500
5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

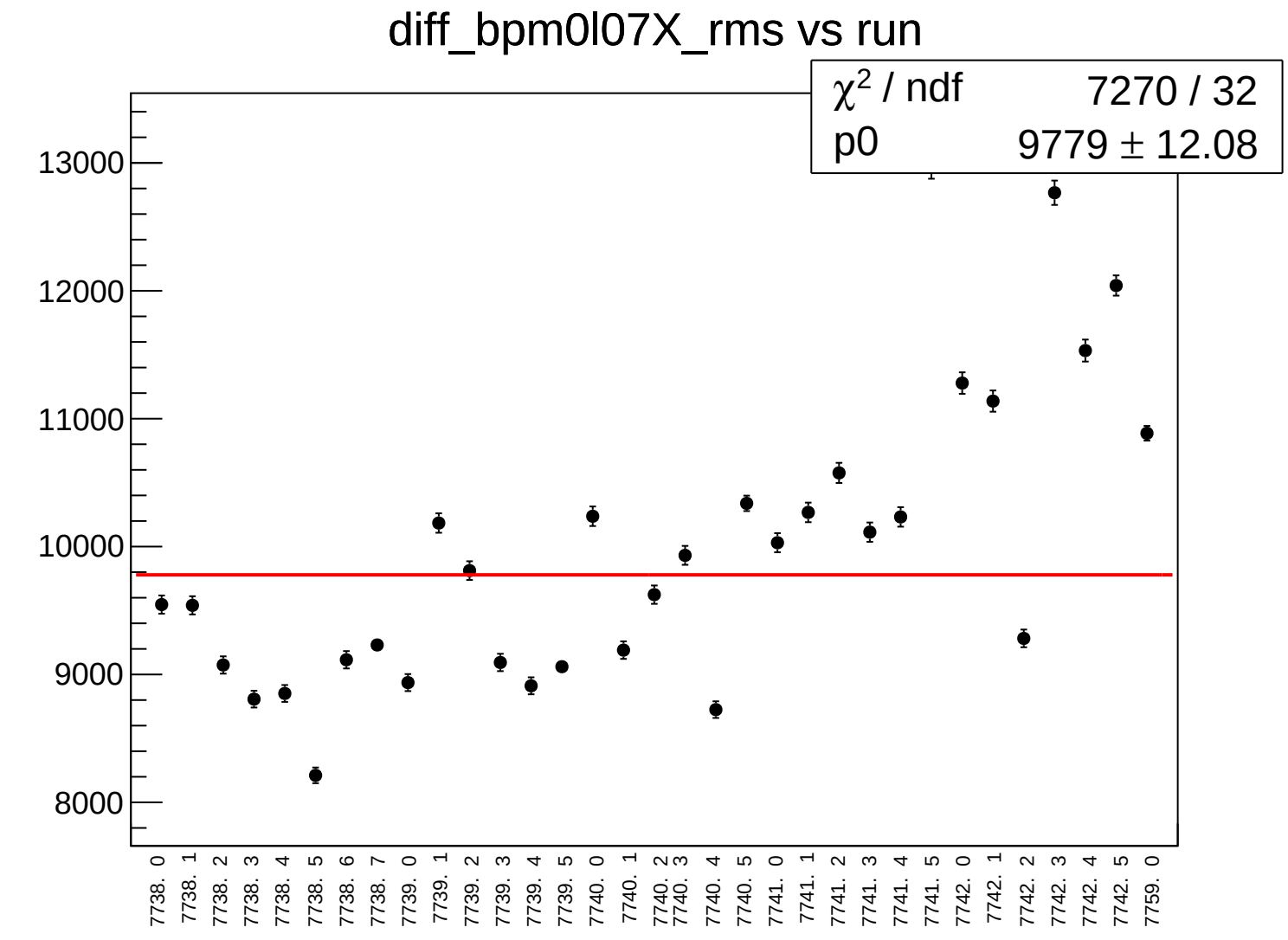

diff_bpm0l06Y_mean vs run
χ² / ndf 36.11 / 32
p0 −17.59 ± 1.625
10
0
−10
−20
−30
−40
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

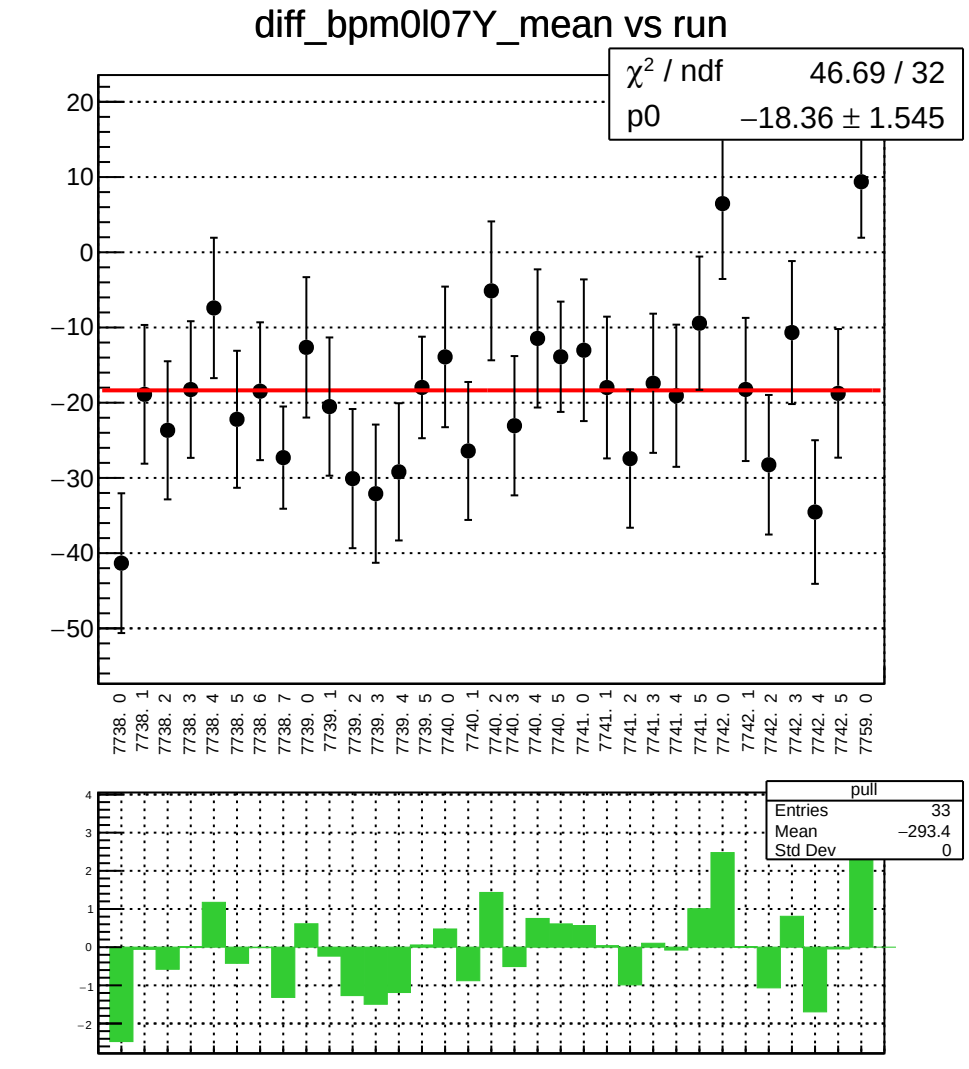

pull1D
Entries 33
Mean −0.03022
Std Dev 1.046
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

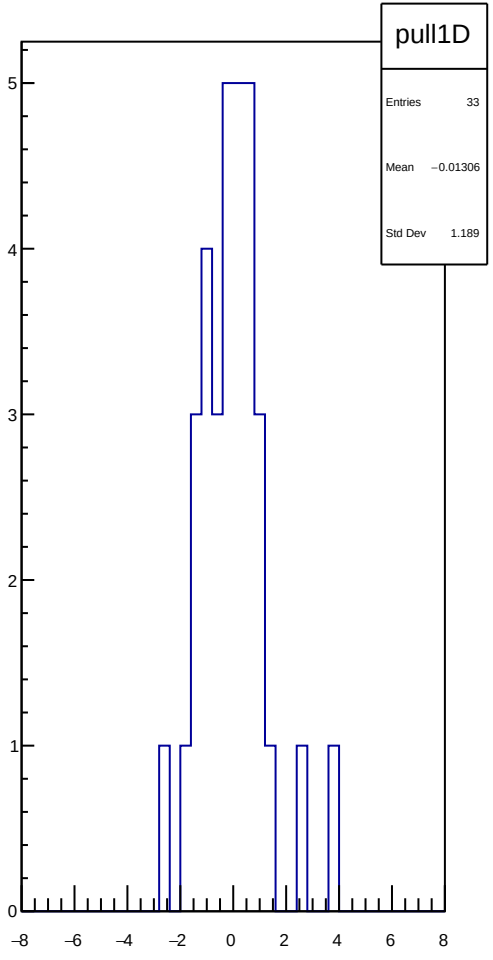

diff_bpm0l06Y_rms vs run
χ² / ndf 496.1 / 32
p0 935.2 ± 1.149
1000
980
960
940
920
900
880
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

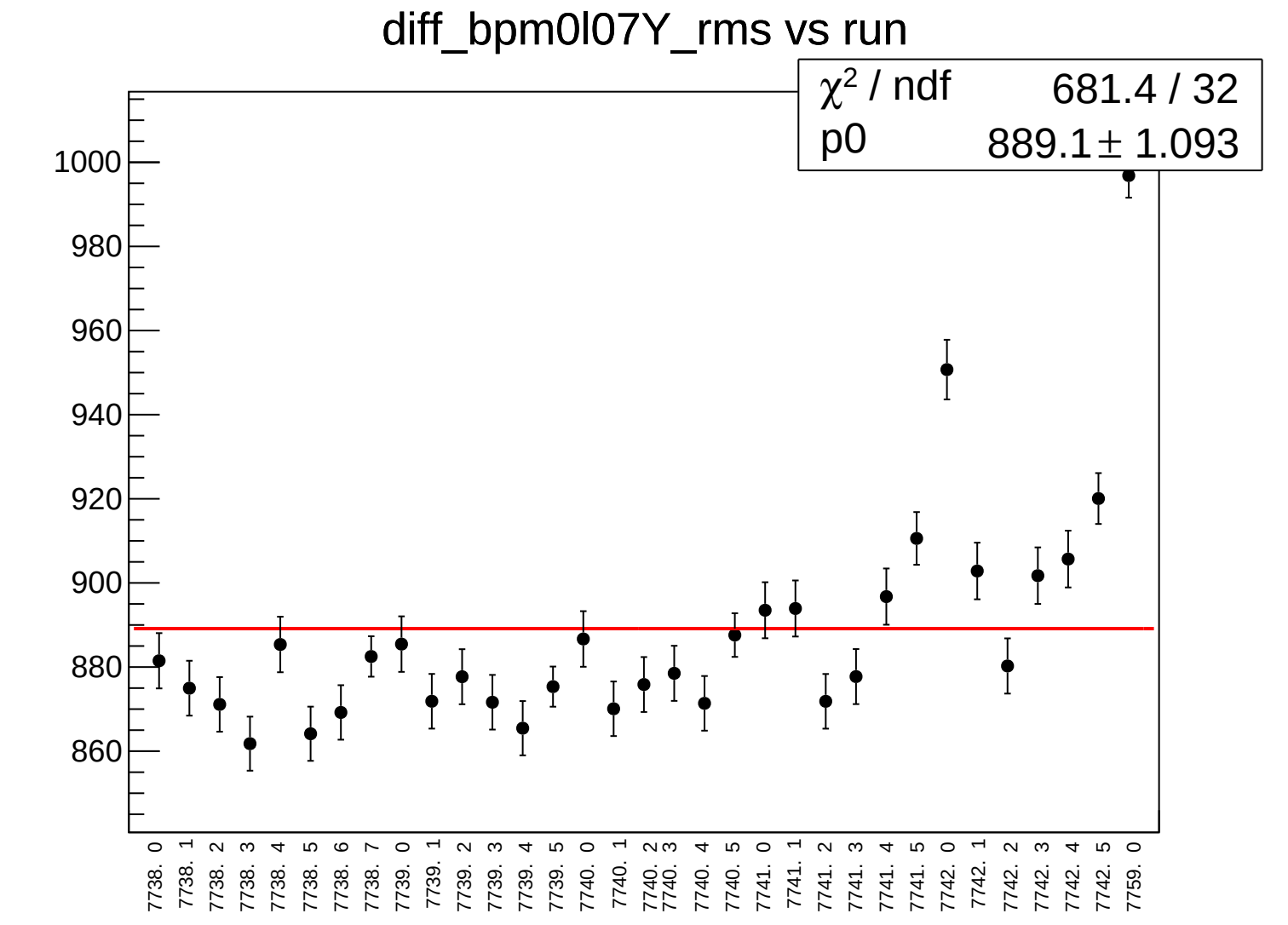

diff_bpm0l07X_mean vs run
χ² / ndf 43.56 / 32
p0 85.02 ± 17.08
pull
Entries 33
Mean 1940
Std Dev 0

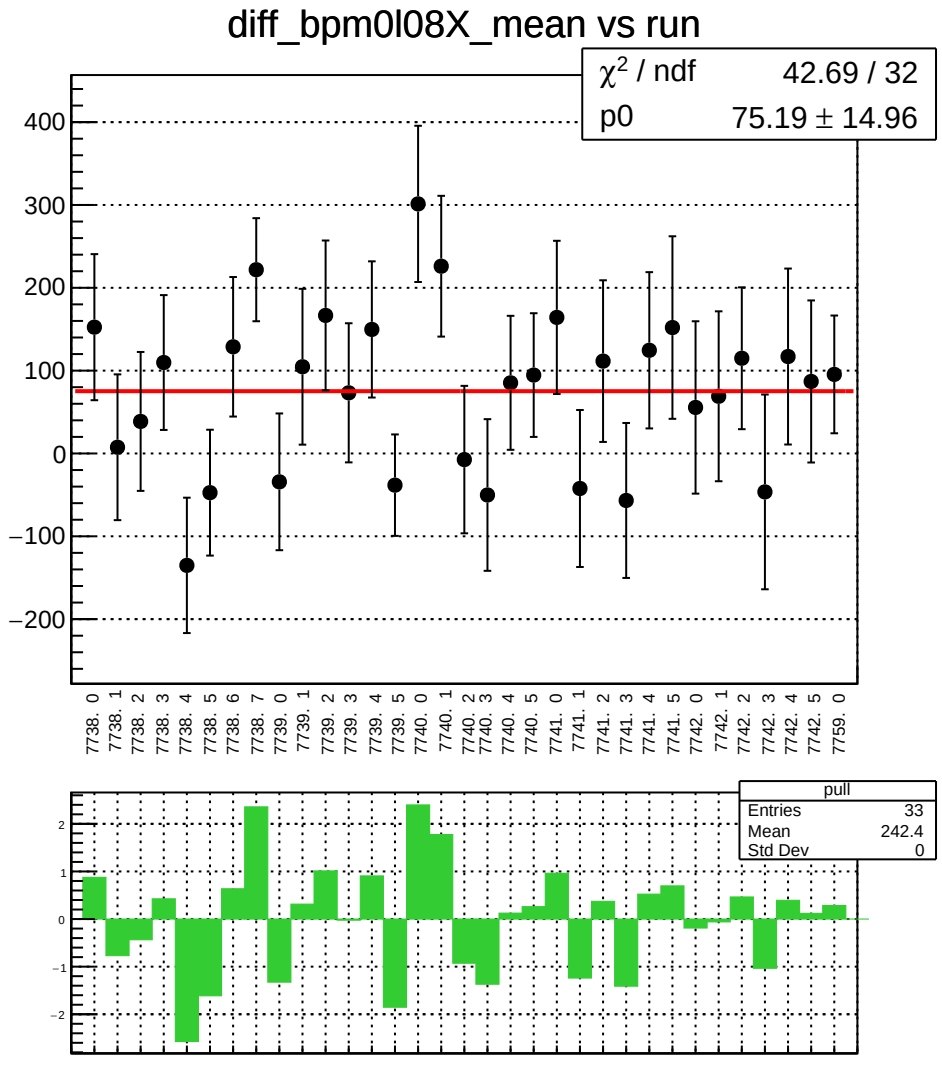

pull1D
Entries 33
Mean 0.0002792
Std Dev 1.149

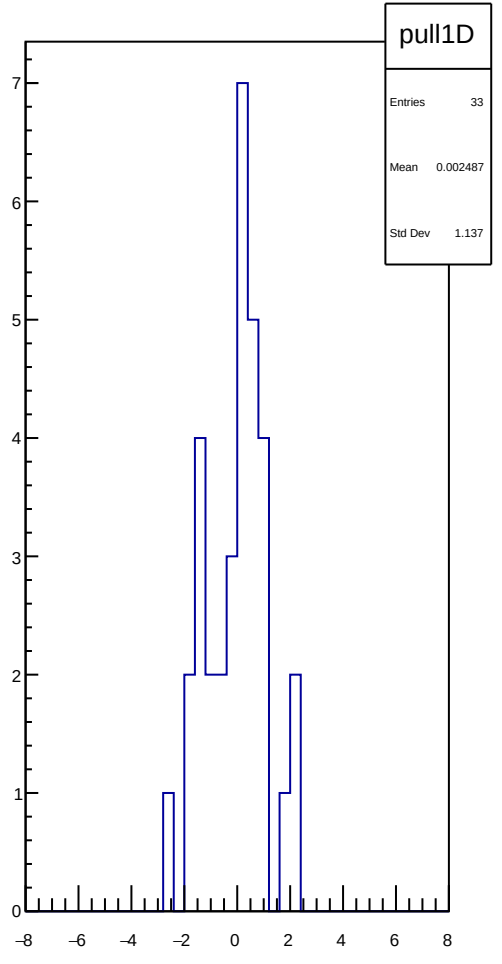

diff_bpm0l07X_rms vs run
χ² / ndf 7270 / 32
p0 9779 ± 12.08
13000
12000
11000
10000
9000
8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

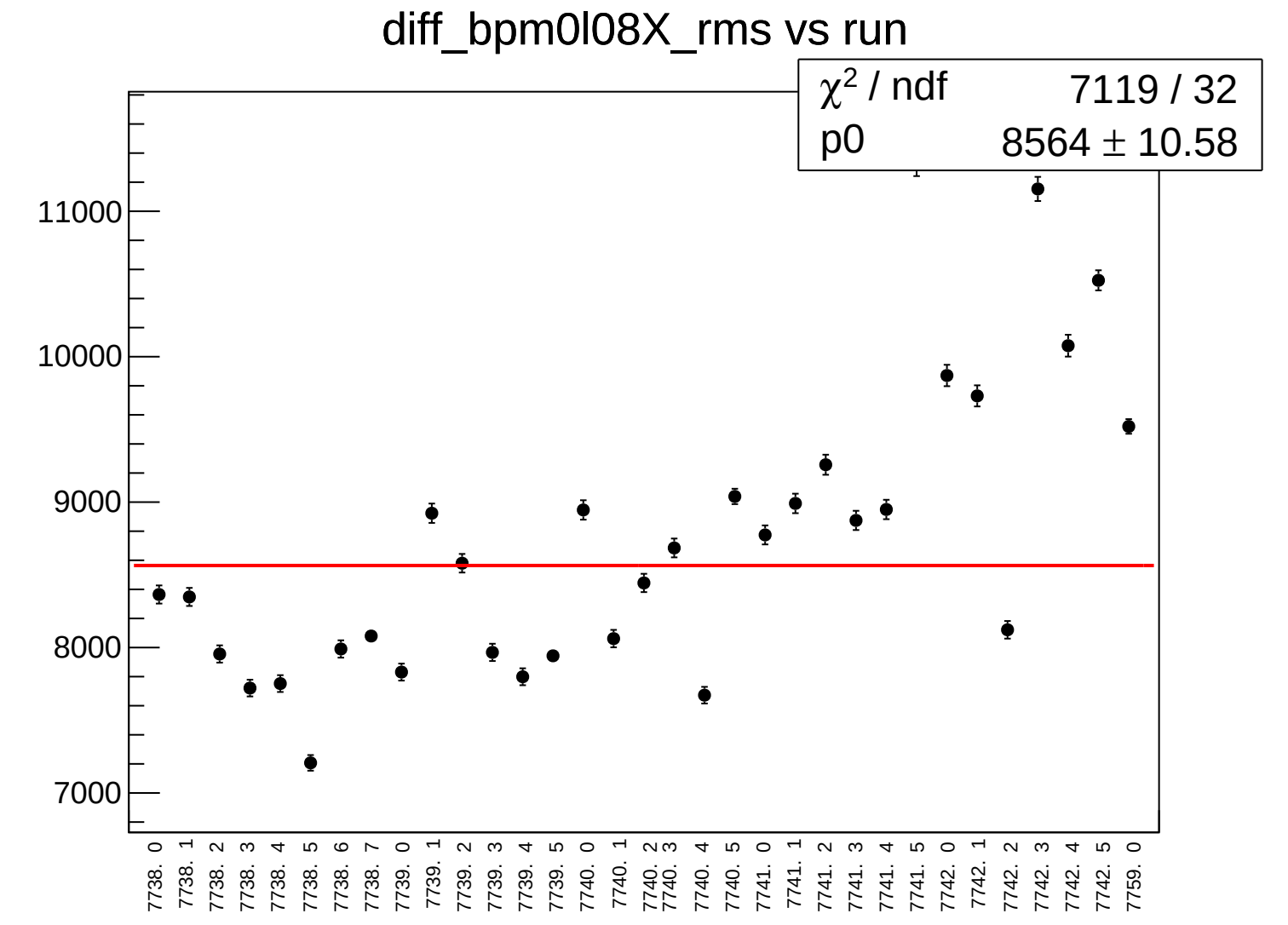

diff_bpm0l07Y_mean vs run
χ² / ndf 46.69 / 32
p0 −18.36 ± 1.545
20
10
0
−10
−20
−30
−40
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −293.4
Std Dev 0
4
3
2
1
0
−1
−2

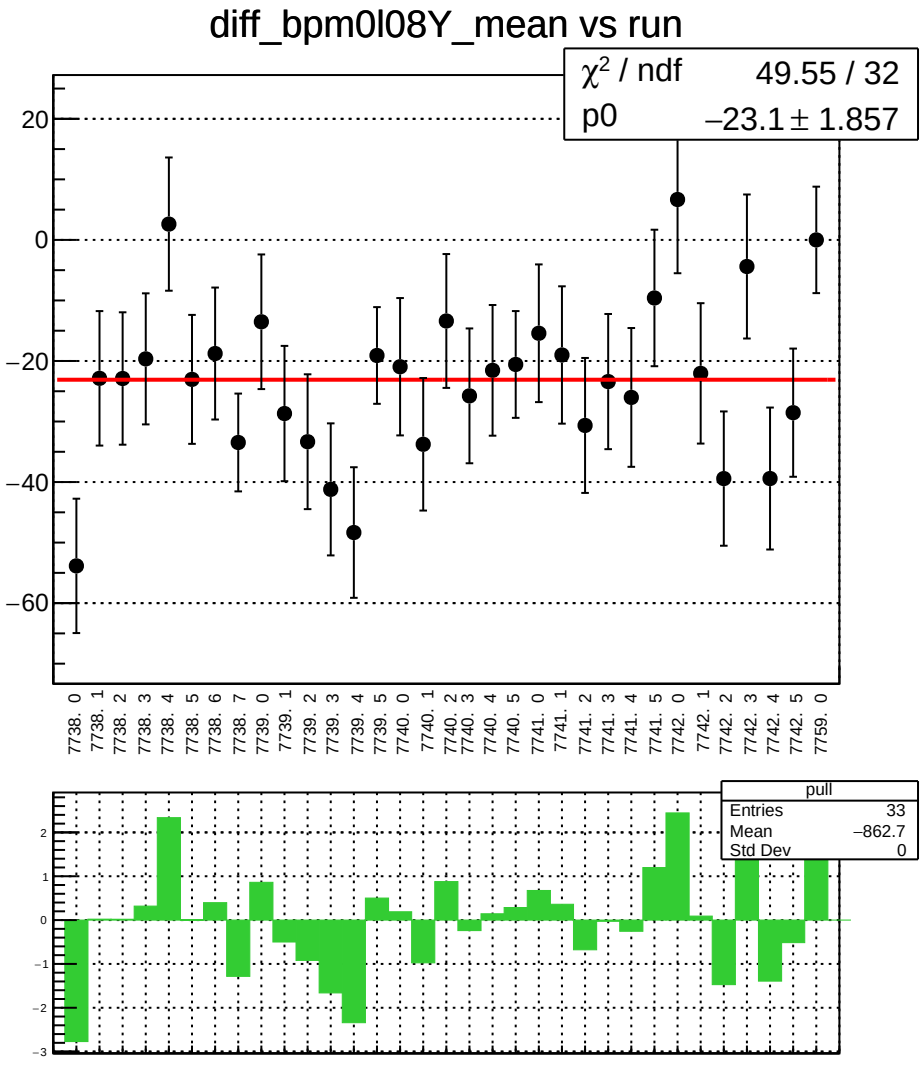

pull1D
Entries 33
Mean −0.01306
Std Dev 1.189
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

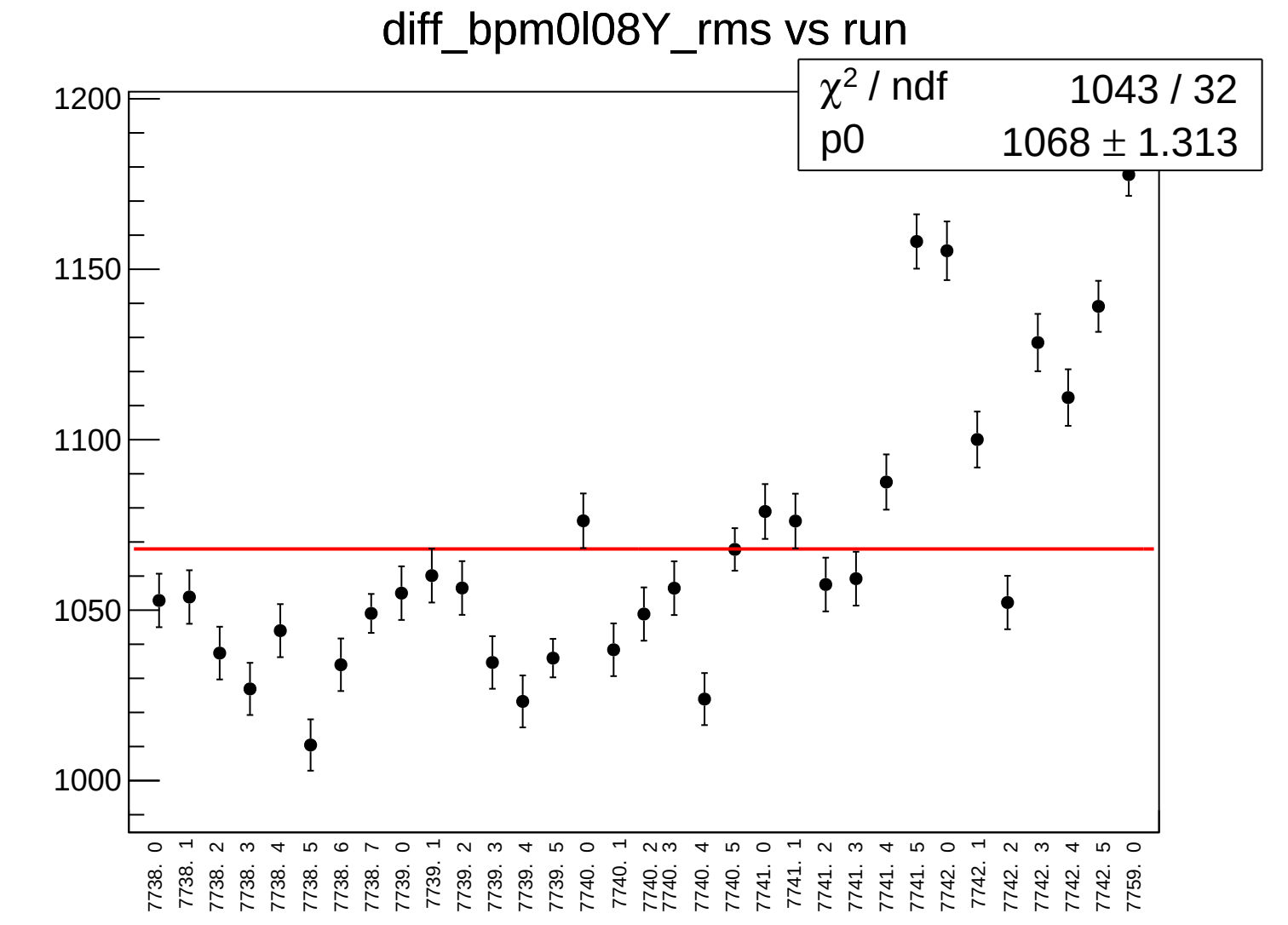

diff_bpm0l07Y_rms vs run
χ² / ndf 681.4 / 32
p0 889.1 ± 1.093
1000
980
960
940
920
900
880
860
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

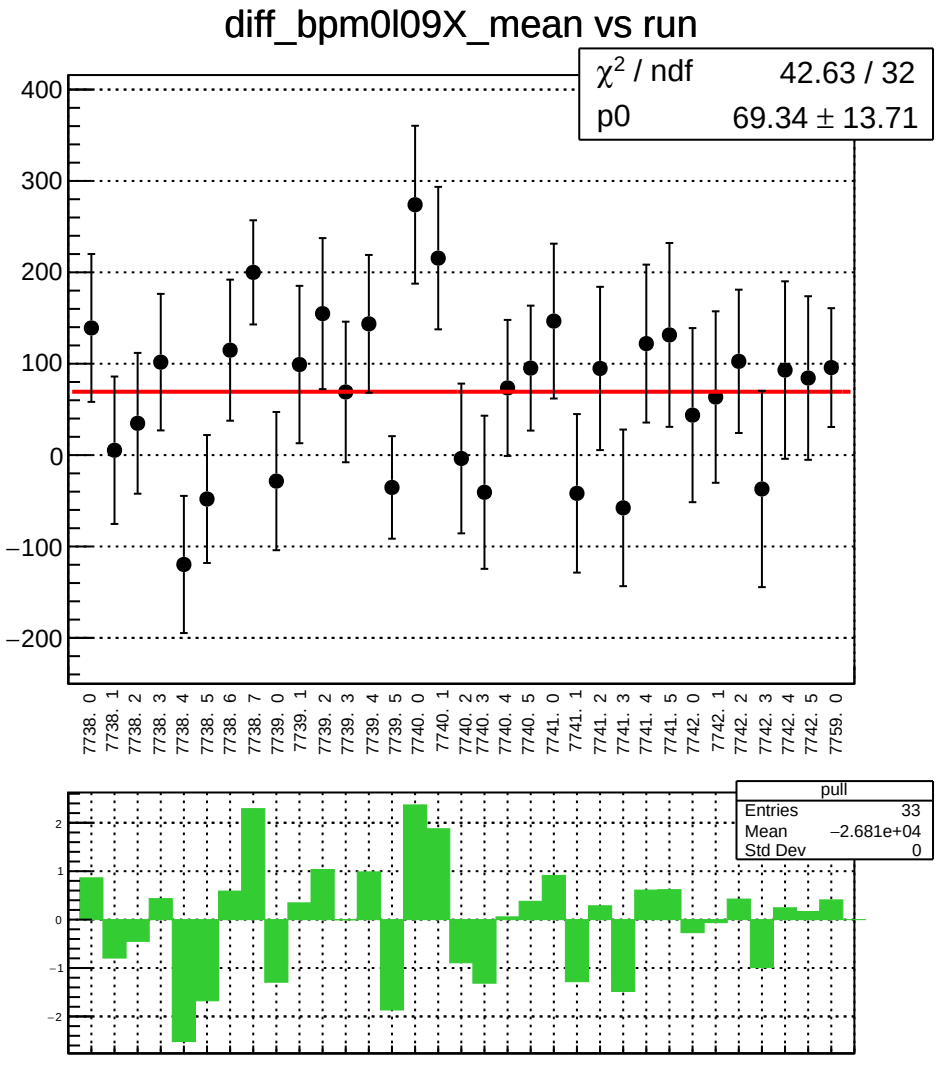

diff_bpm0l08X_mean vs run
χ² / ndf 42.69 / 32
p0 75.19 ± 14.96
400
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 242.4
Std Dev 0
2
1
0
−1
−2

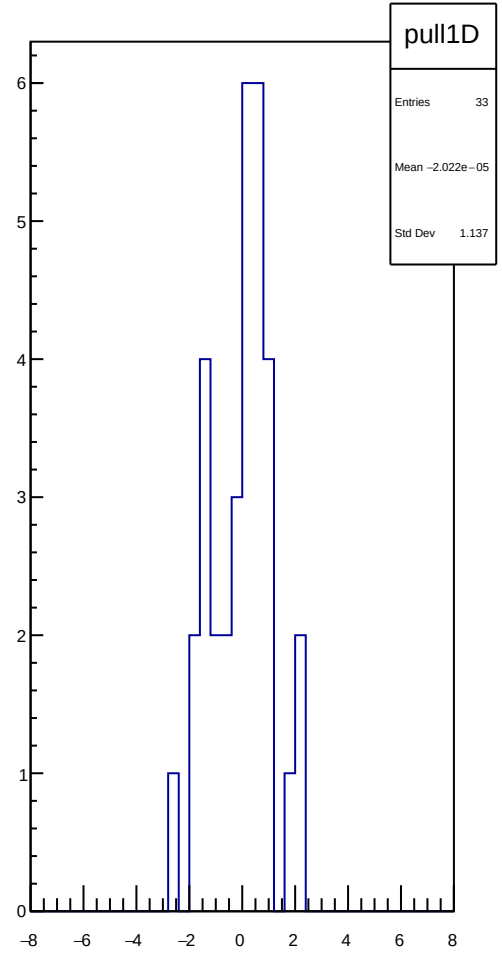

pull1D
Entries 33
Mean 0.002487
Std Dev 1.137
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

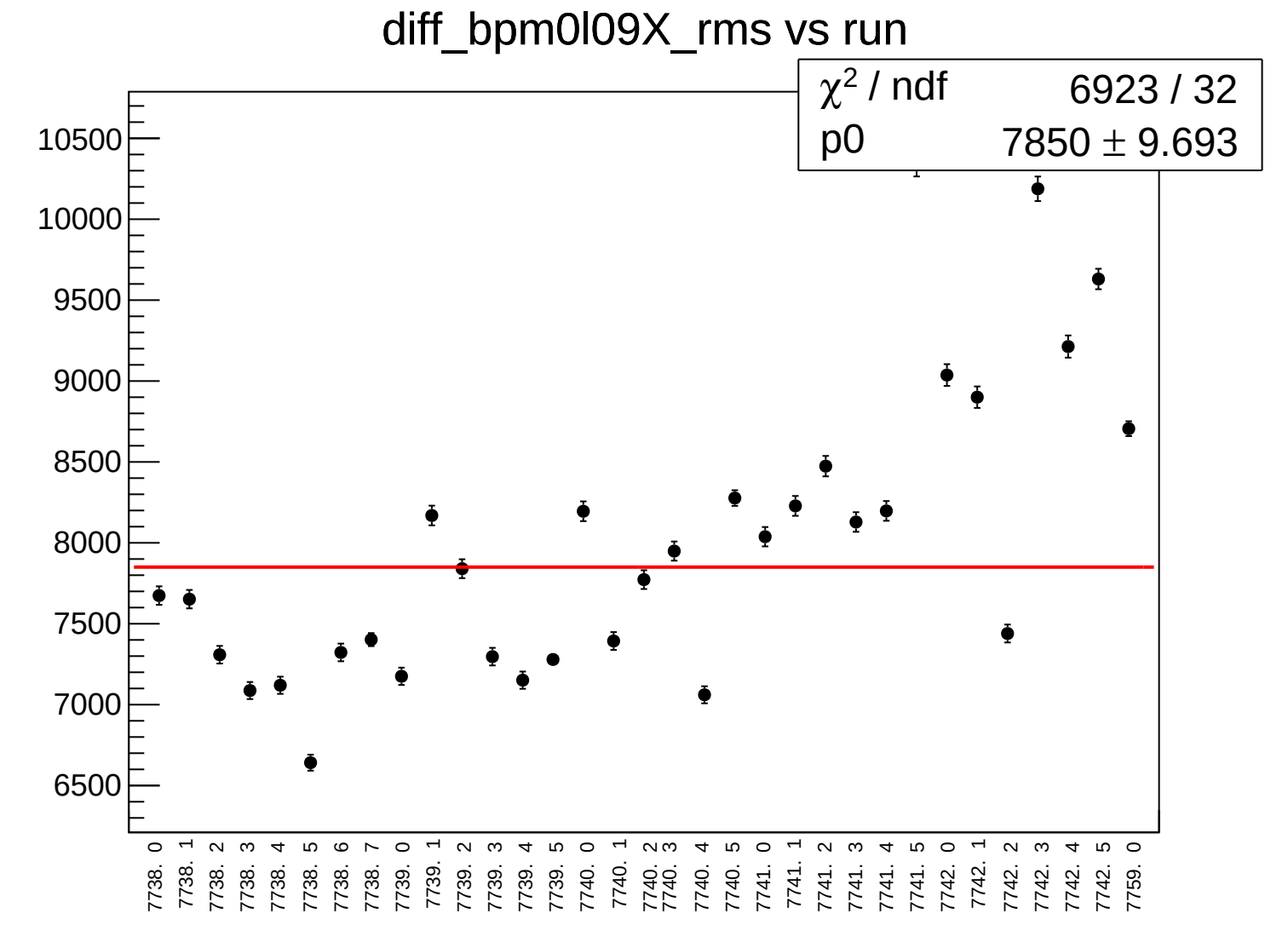

diff_bpm0l08X_rms vs run
χ² / ndf 7119 / 32
p0 8564 ± 10.58
11000
10000
9000
8000
7000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

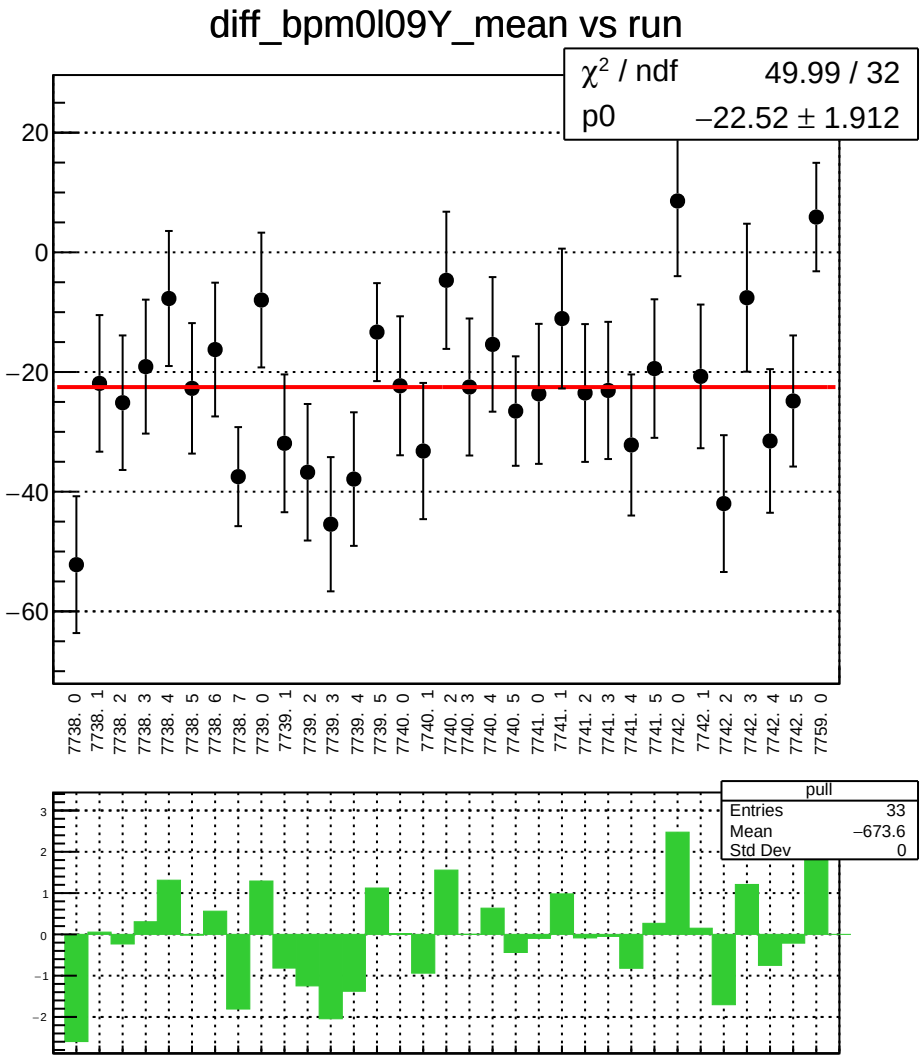

diff_bpm0l08Y_mean vs run
χ² / ndf 49.55 / 32
p0 −23.1 ± 1.857
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −862.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.003134
Std Dev 1.225
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

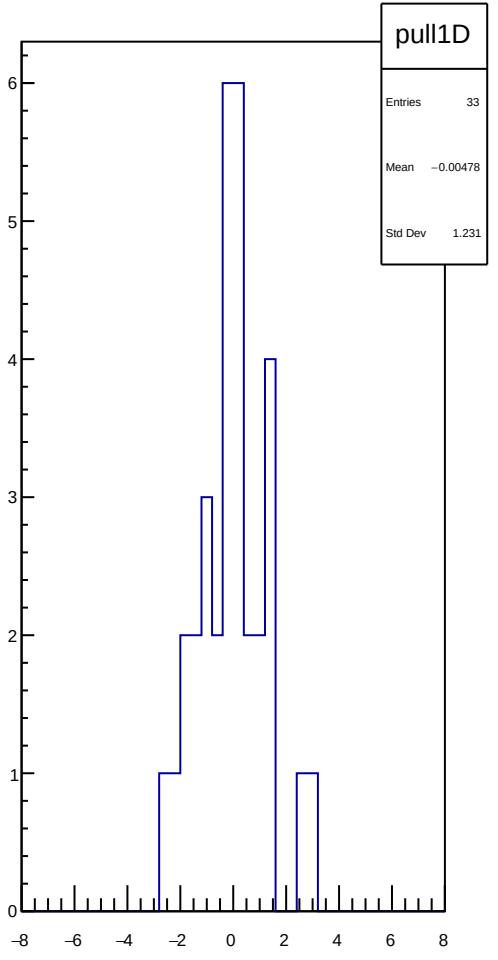

diff_bpm0l08Y_rms vs run
χ² / ndf 1043 / 32
p0 1068 ± 1.313
1200
1150
1100
1050
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

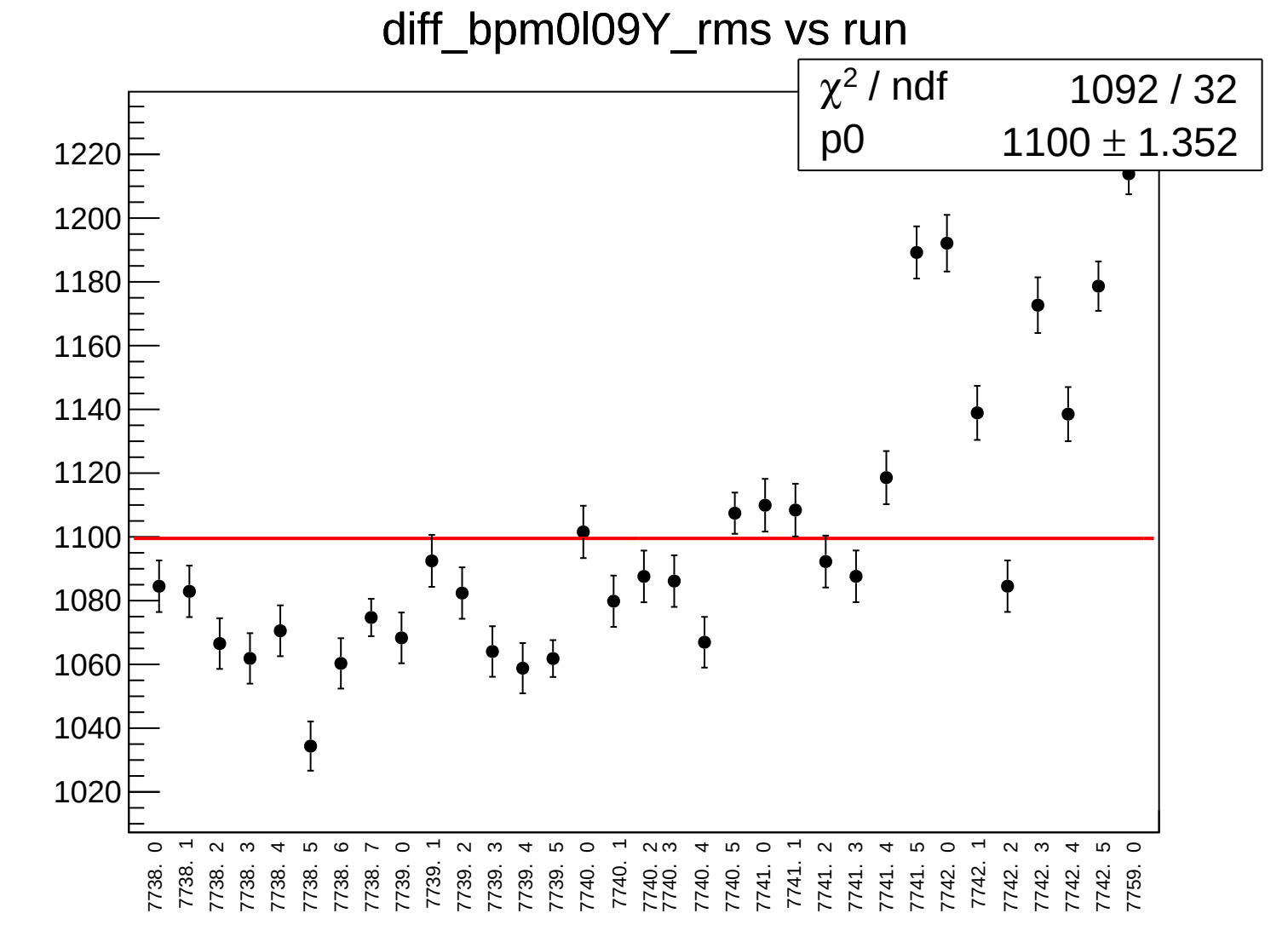

diff_bpm0l09X_mean vs run
χ² / ndf 42.63 / 32
p0 69.34 ± 13.71
400
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.681e+04
Std Dev 0
2
1
0
−1
−2

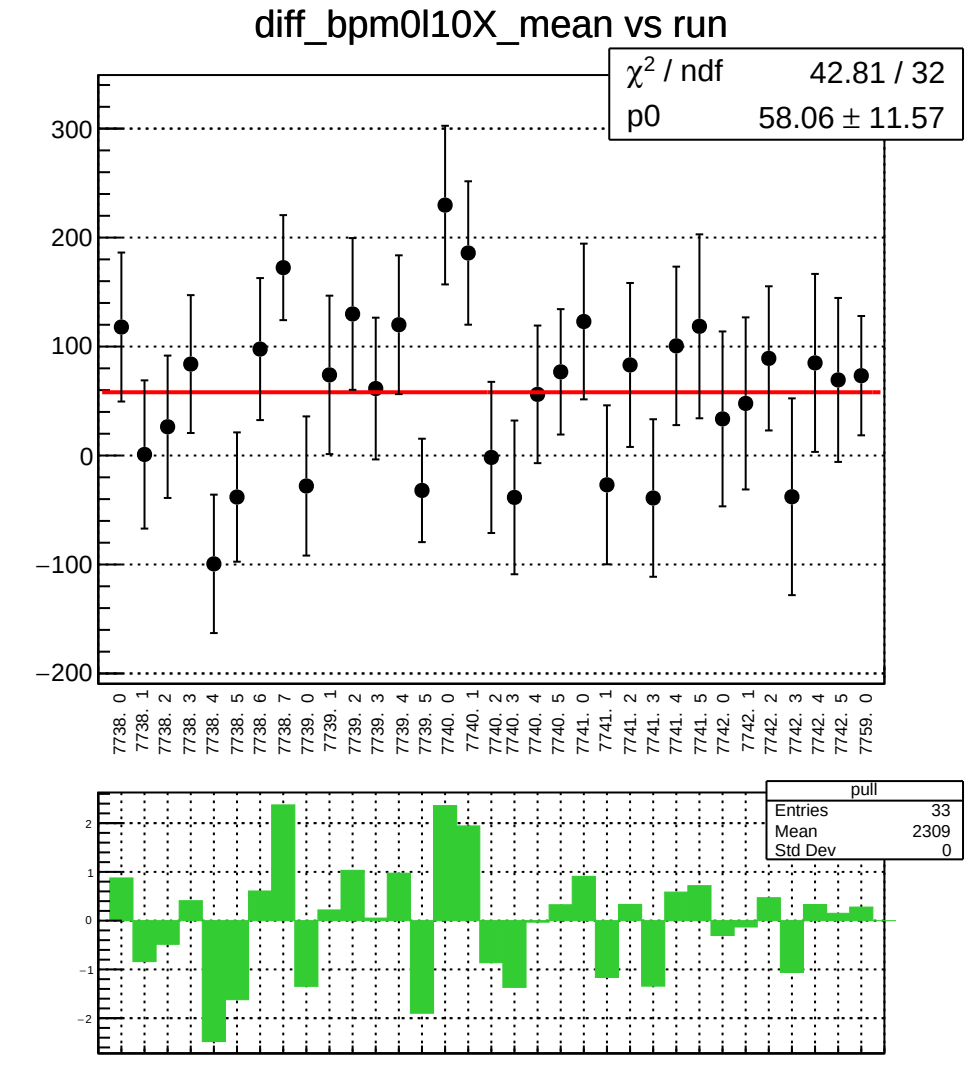

pull1D
Entries 33
Mean −2.022e−05
Std Dev 1.137
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

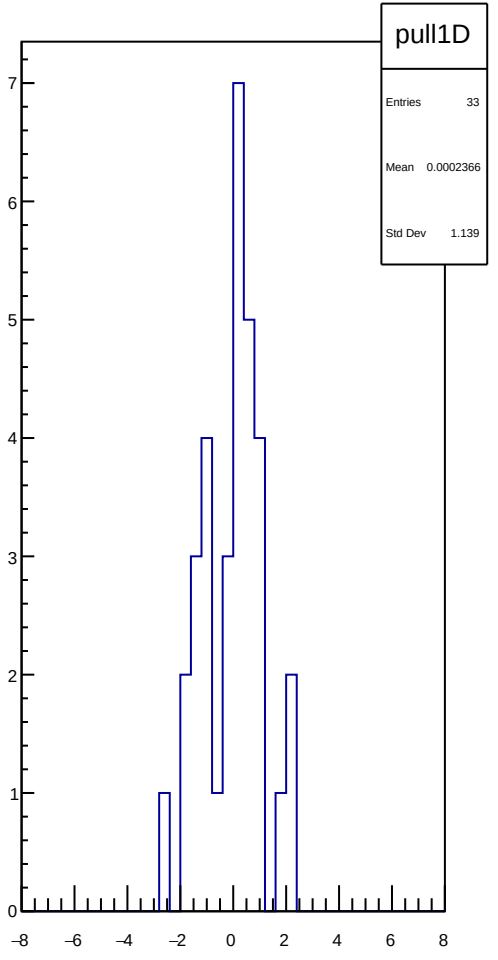

diff_bpm0l09X_rms vs run
χ² / ndf 6923 / 32
p0 7850 ± 9.693
10500
10000
9500
9000
8500
8000
7500
7000
6500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

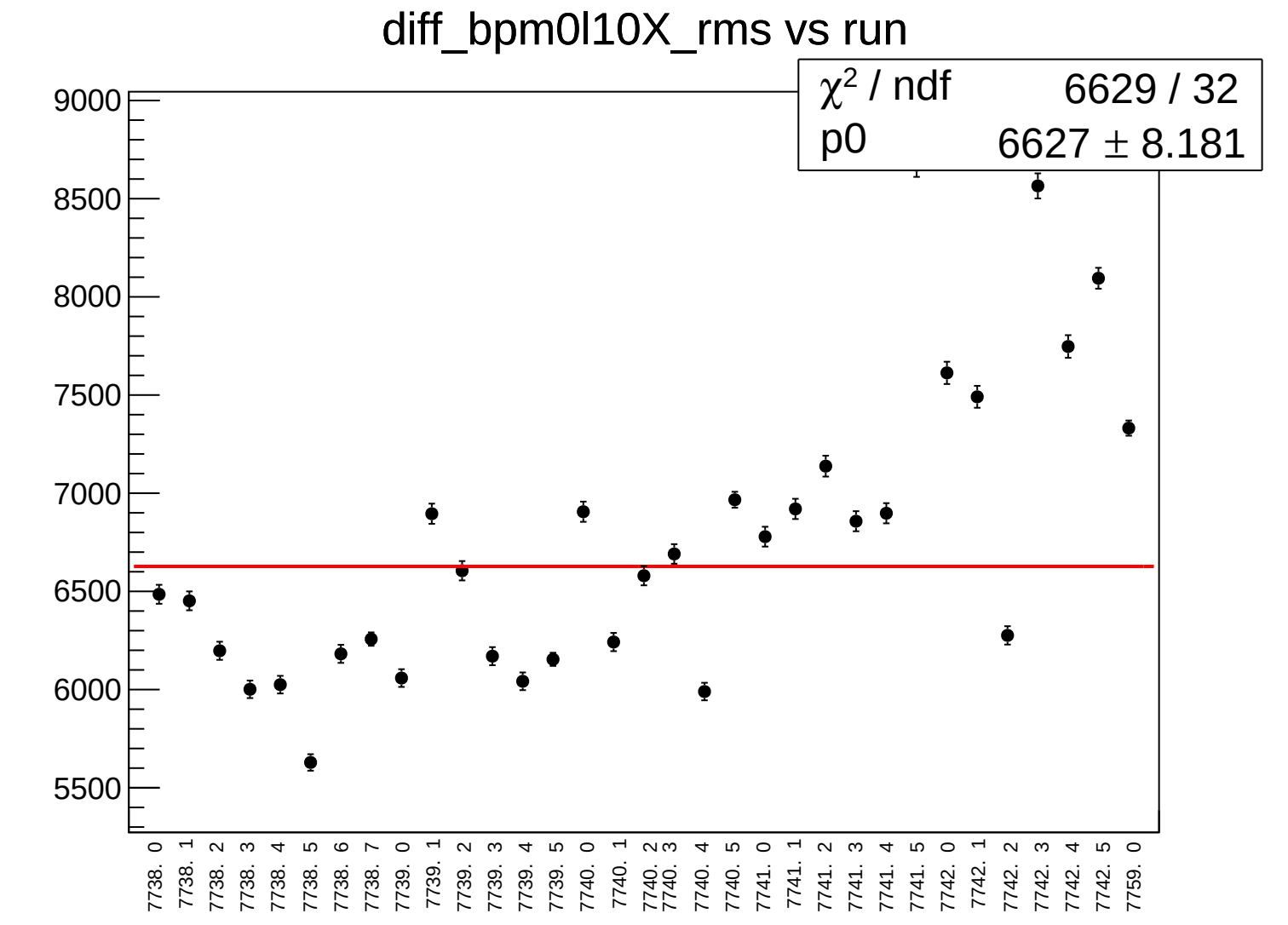

diff_bpm0l09Y_mean vs run
χ² / ndf 49.99 / 32
p0 −22.52 ± 1.912
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −673.6
Std Dev 0
3
2
1
0
−1
−2

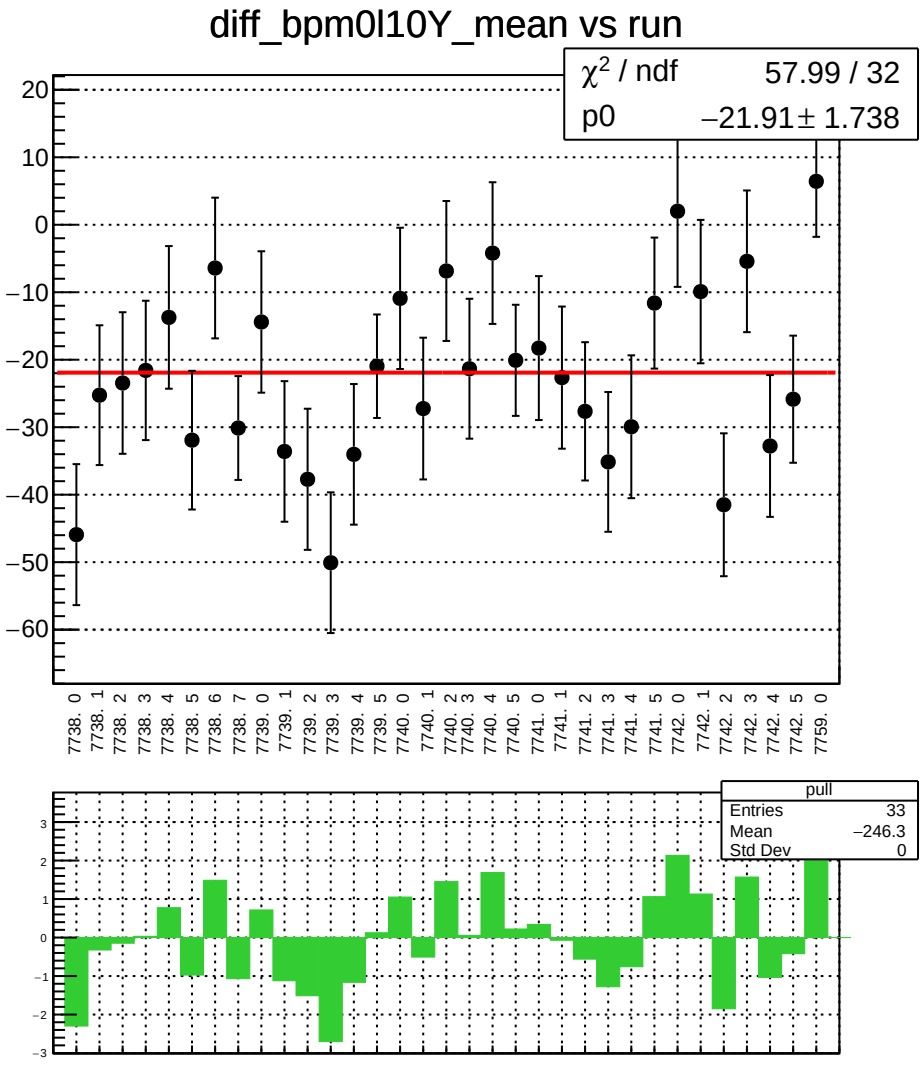

pull1D
Entries 33
Mean −0.00478
Std Dev 1.231
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

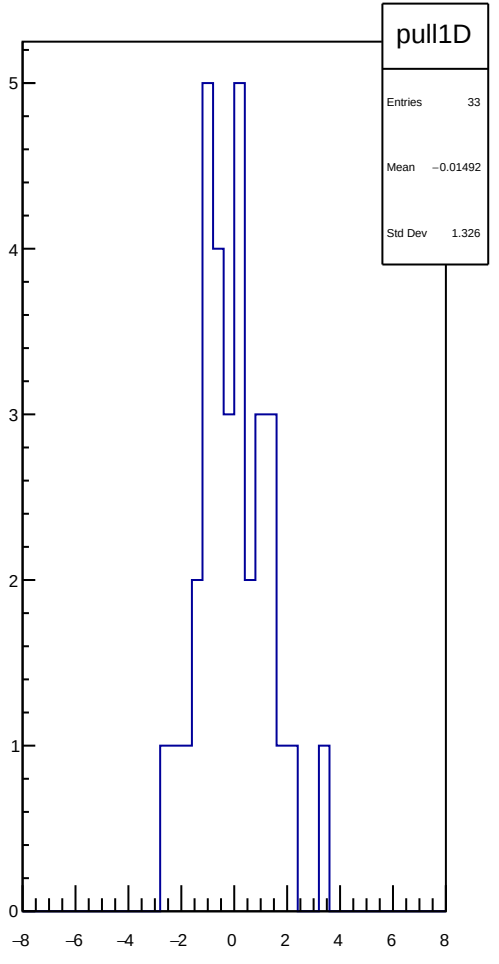

diff_bpm0l09Y_rms vs run
χ² / ndf 1092 / 32
p0 1100 ± 1.352
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

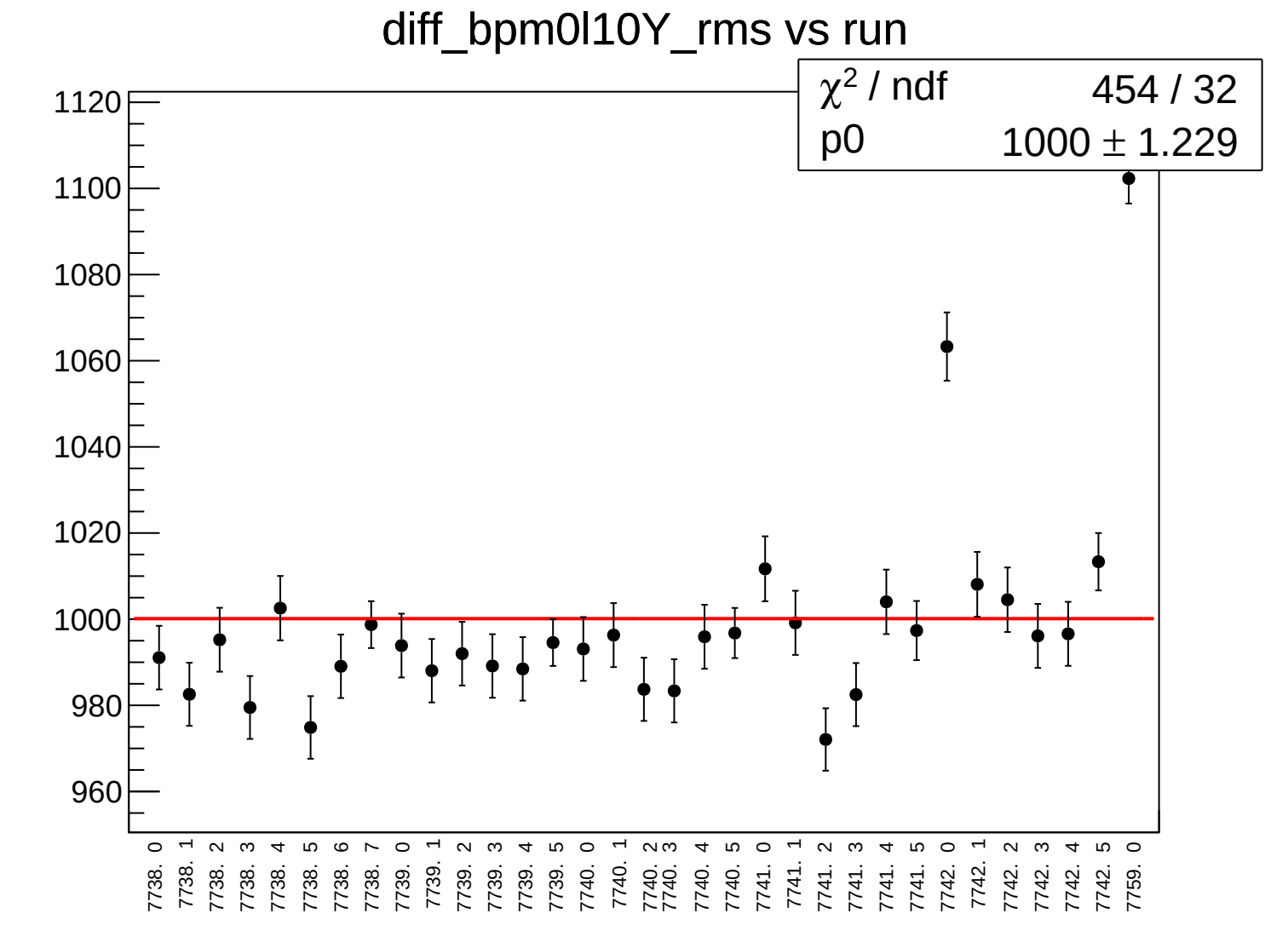

diff_bpm0l10X_mean vs run
χ² / ndf 42.81 / 32
p0 58.06 ± 11.57
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2309
Std Dev 0
2
1
0
−1
−2

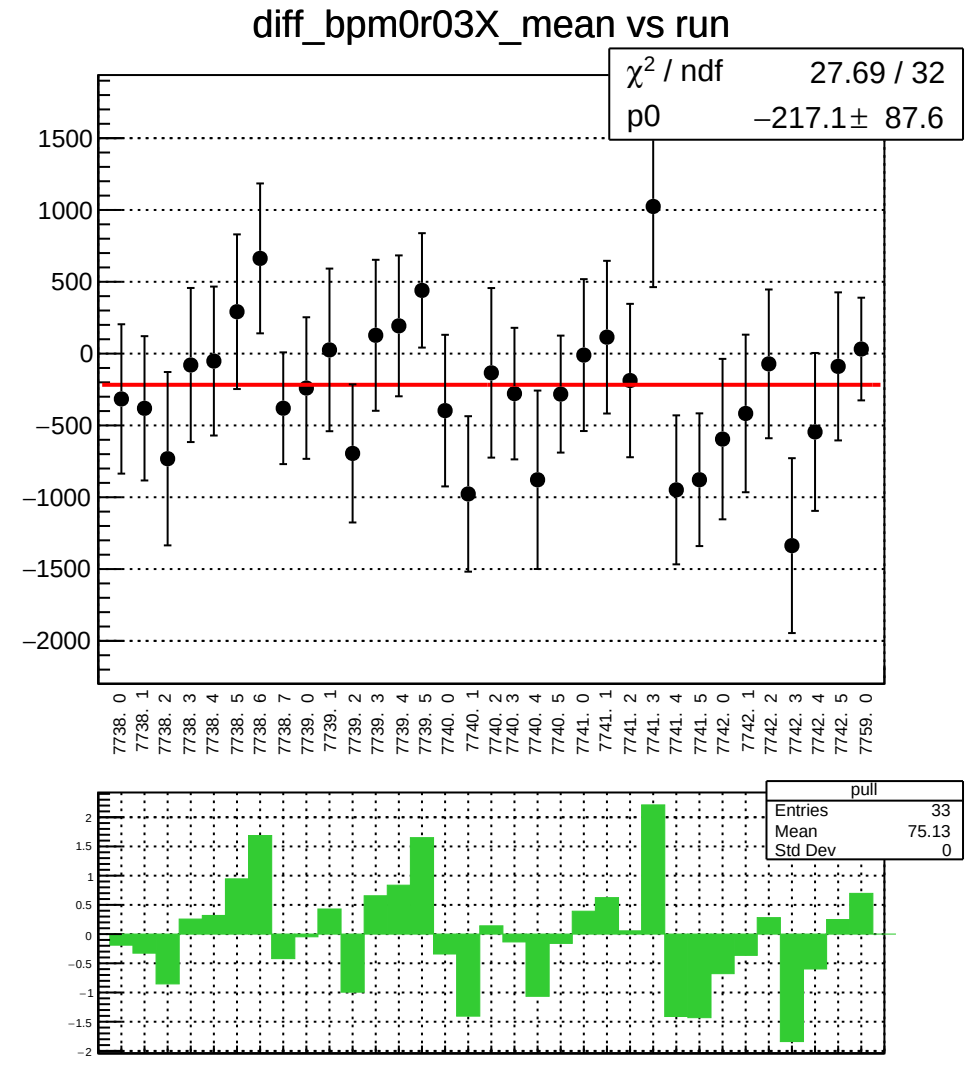

pull1D
Entries 33
Mean 0.0002366
Std Dev 1.139
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

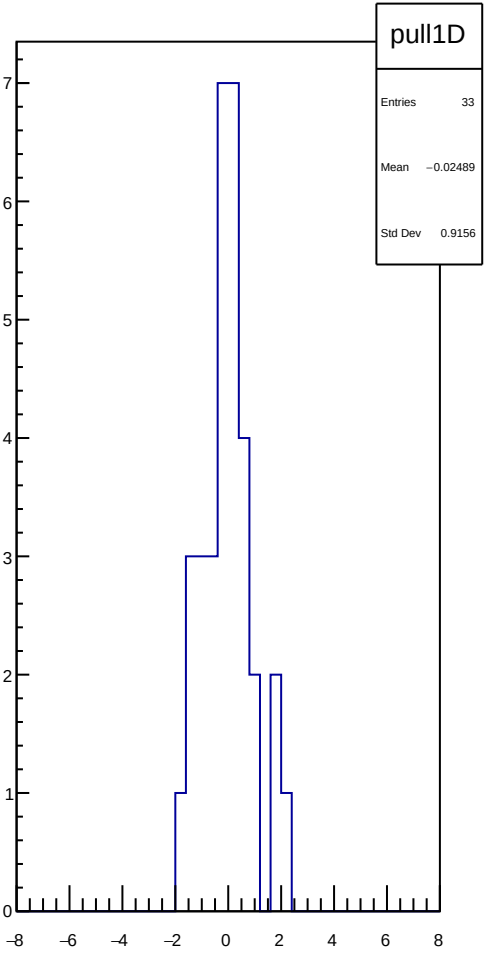

diff_bpm0l10X_rms vs run
χ² / ndf 6629 / 32
p0 6627 ± 8.181
9000
8500
8000
7500
7000
6500
6000
5500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

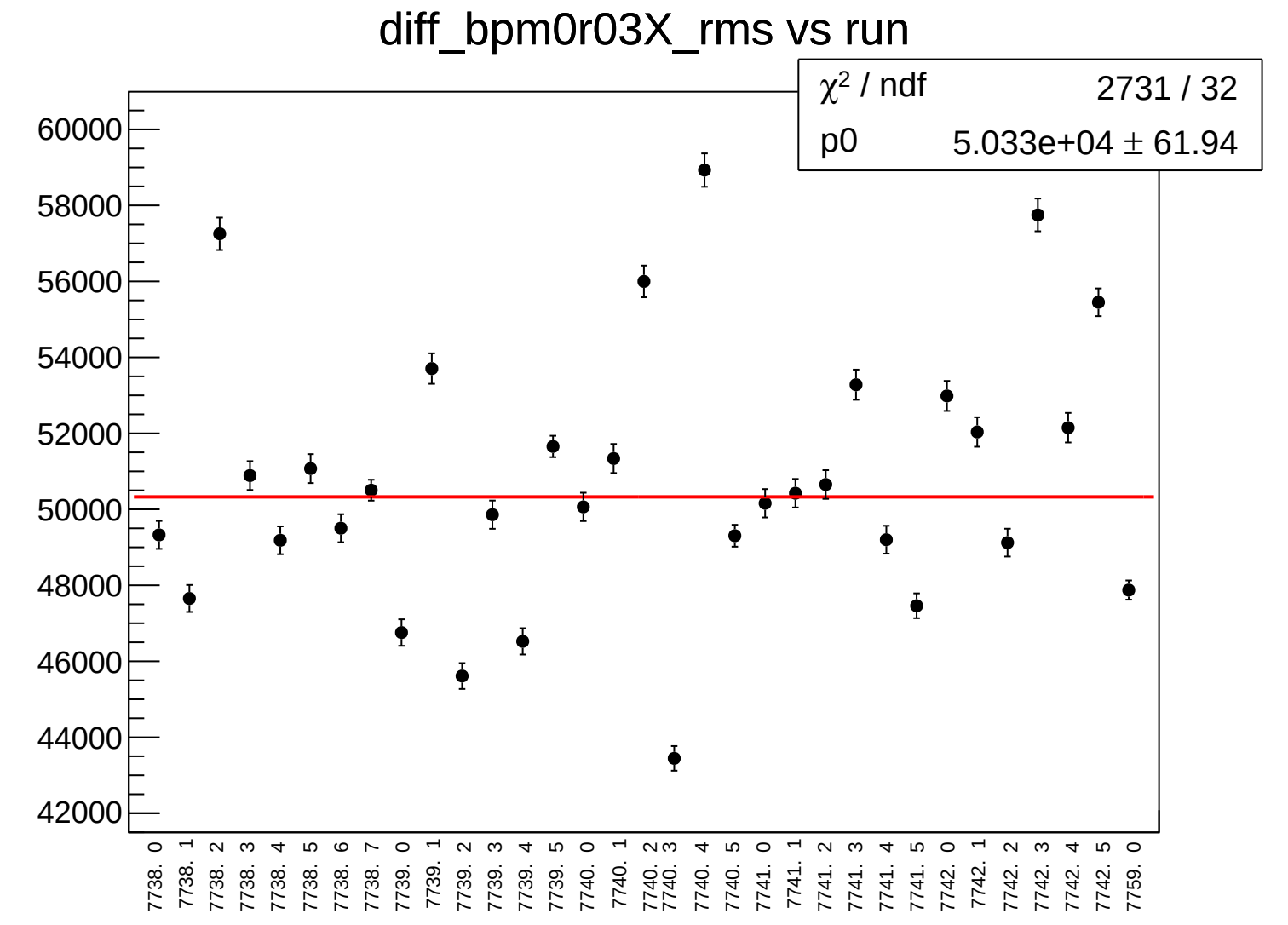

diff_bpm0l10Y_mean vs run
χ² / ndf 57.99 / 32
p0 −21.91± 1.738
20
10
0
−10
−20
−30
−40
−50
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −246.3
Std Dev 0
3
2
1
0
−1
−2
−3

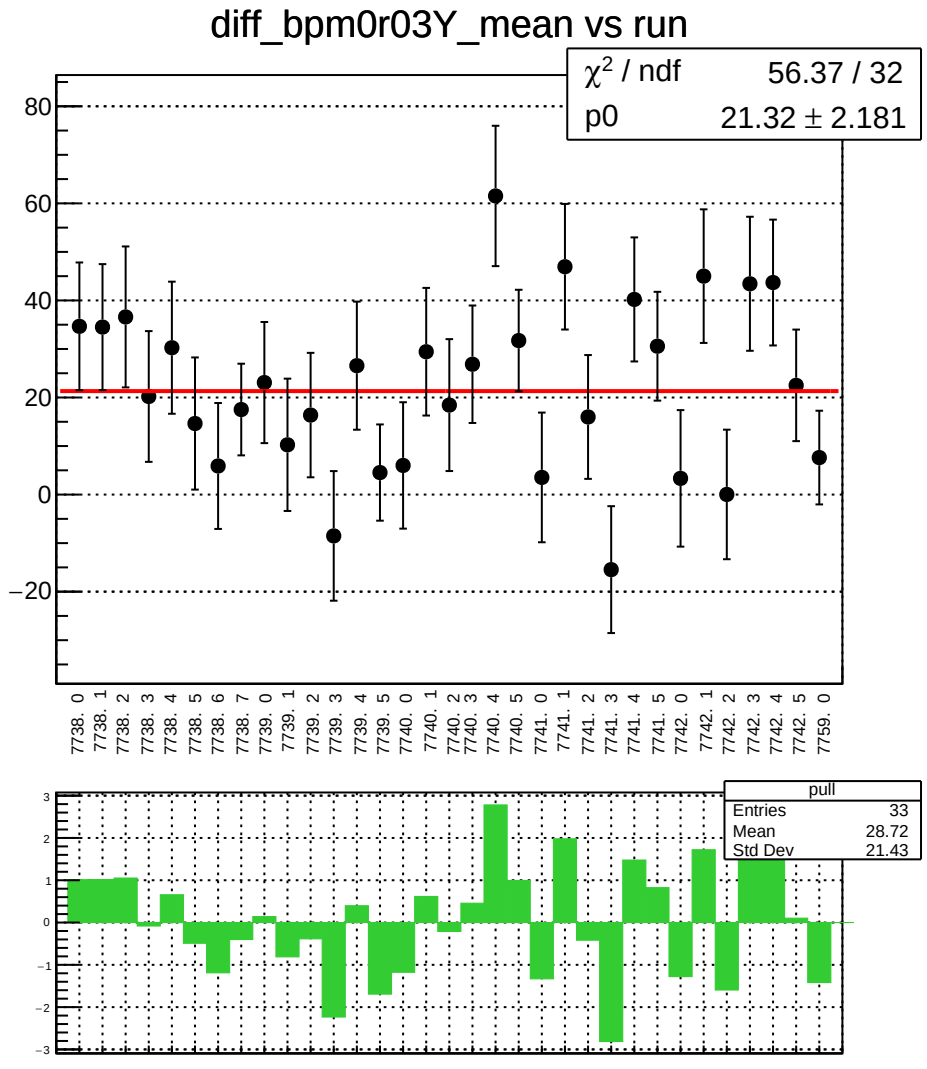

pull1D
Entries 33
Mean −0.01492
Std Dev 1.326
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

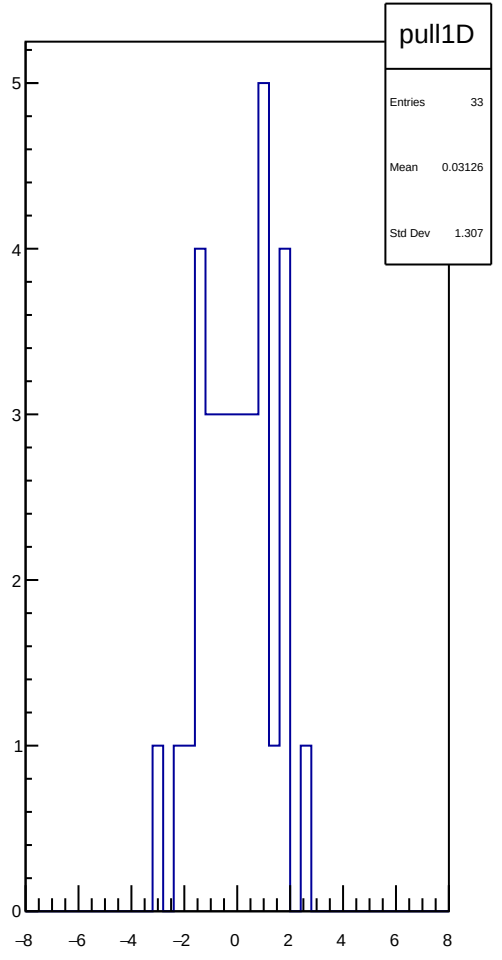

diff_bpm0l10Y_rms vs run
χ² / ndf 454 / 32
p0 1000 ± 1.229
1120
1100
1080
1060
1040
1020
1000
980
960
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

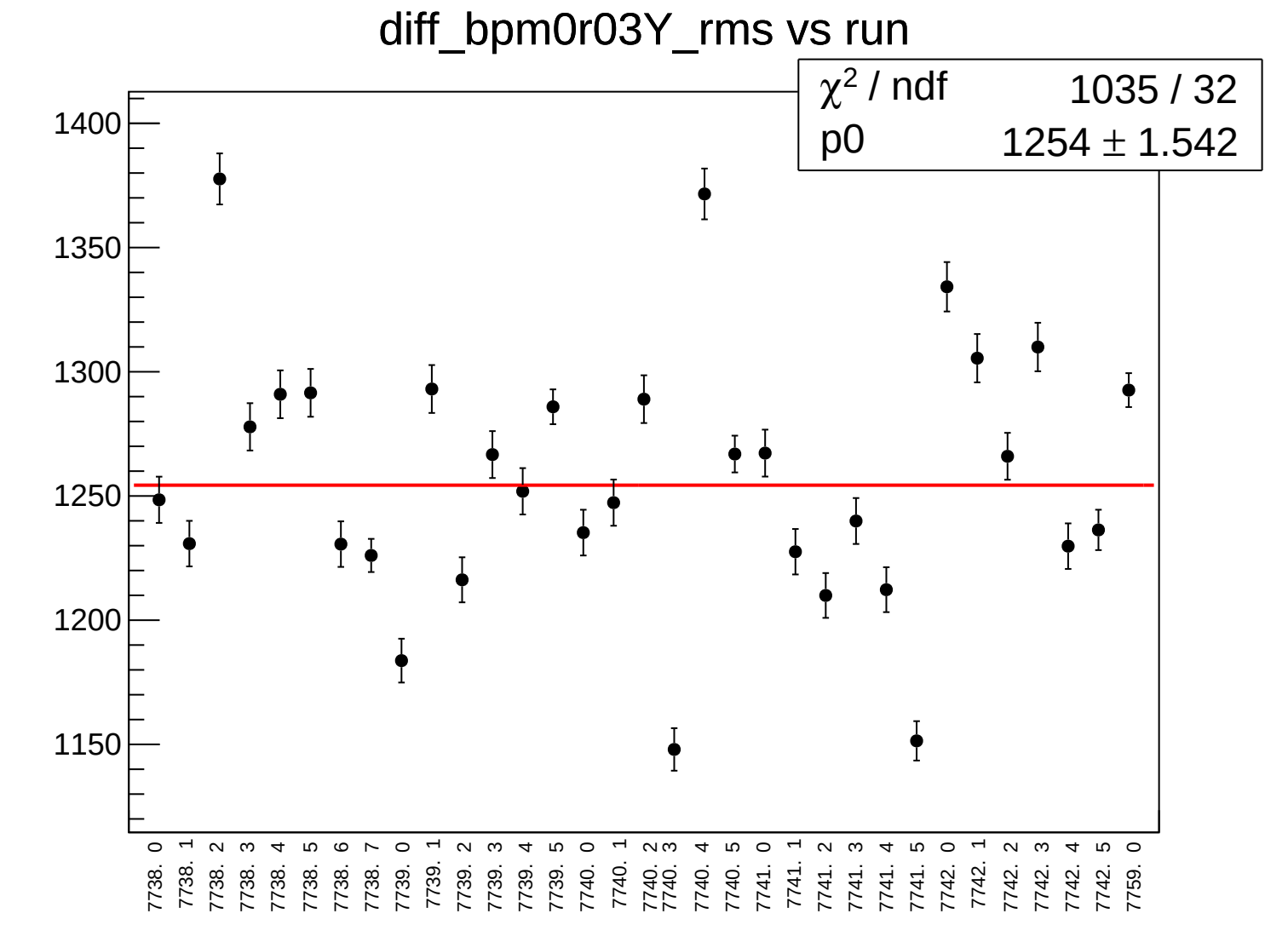

diff_bpm0r03X_mean vs run
χ² / ndf 27.69 / 32
p0 −217.1± 87.6
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 75.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

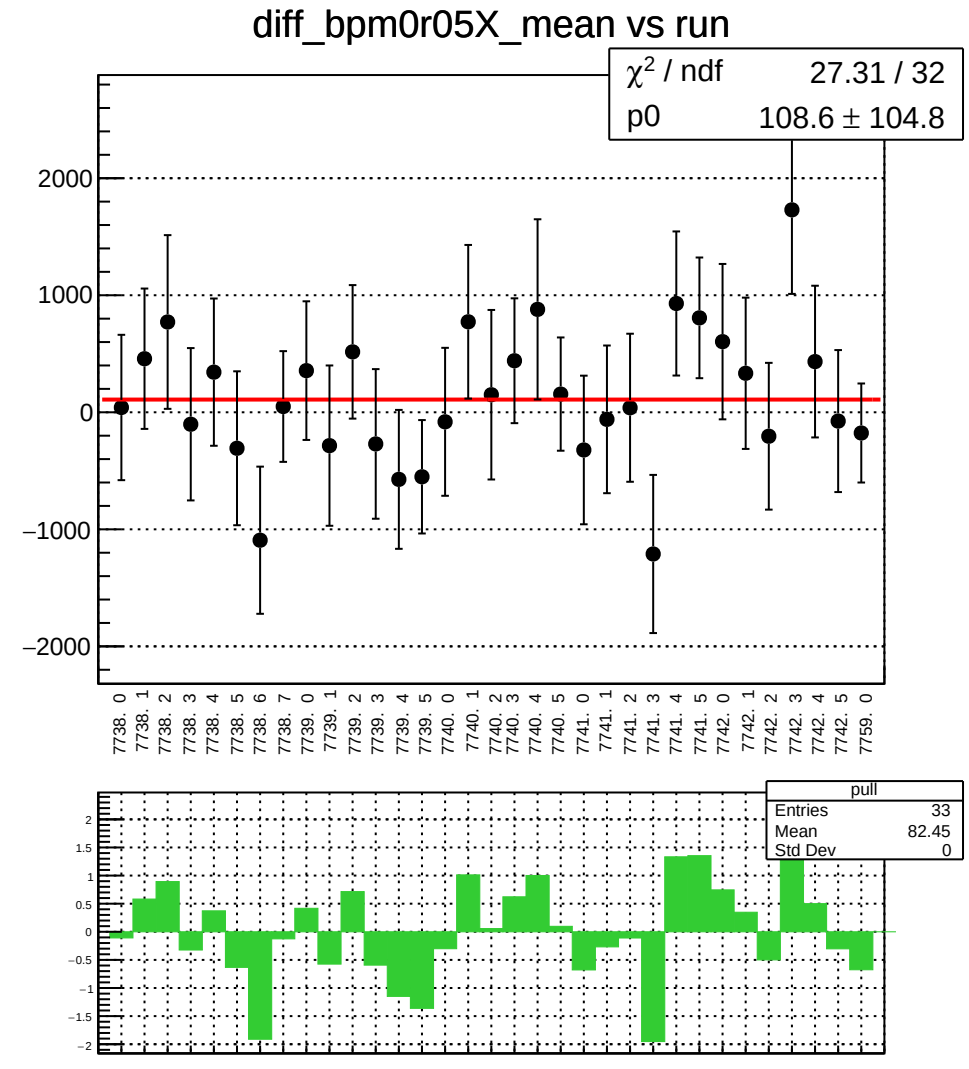

pull1D
Entries 33
Mean −0.02489
Std Dev 0.9156
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

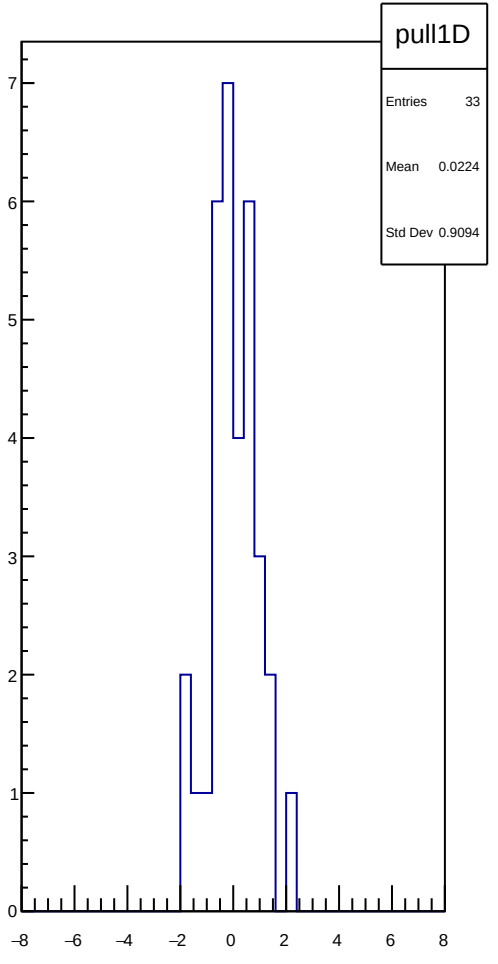

diff_bpm0r03X_rms vs run
χ² / ndf 2731 / 32
p0 5.033e+04 ± 61.94
60000
58000
56000
54000
52000
50000
48000
46000
44000
42000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

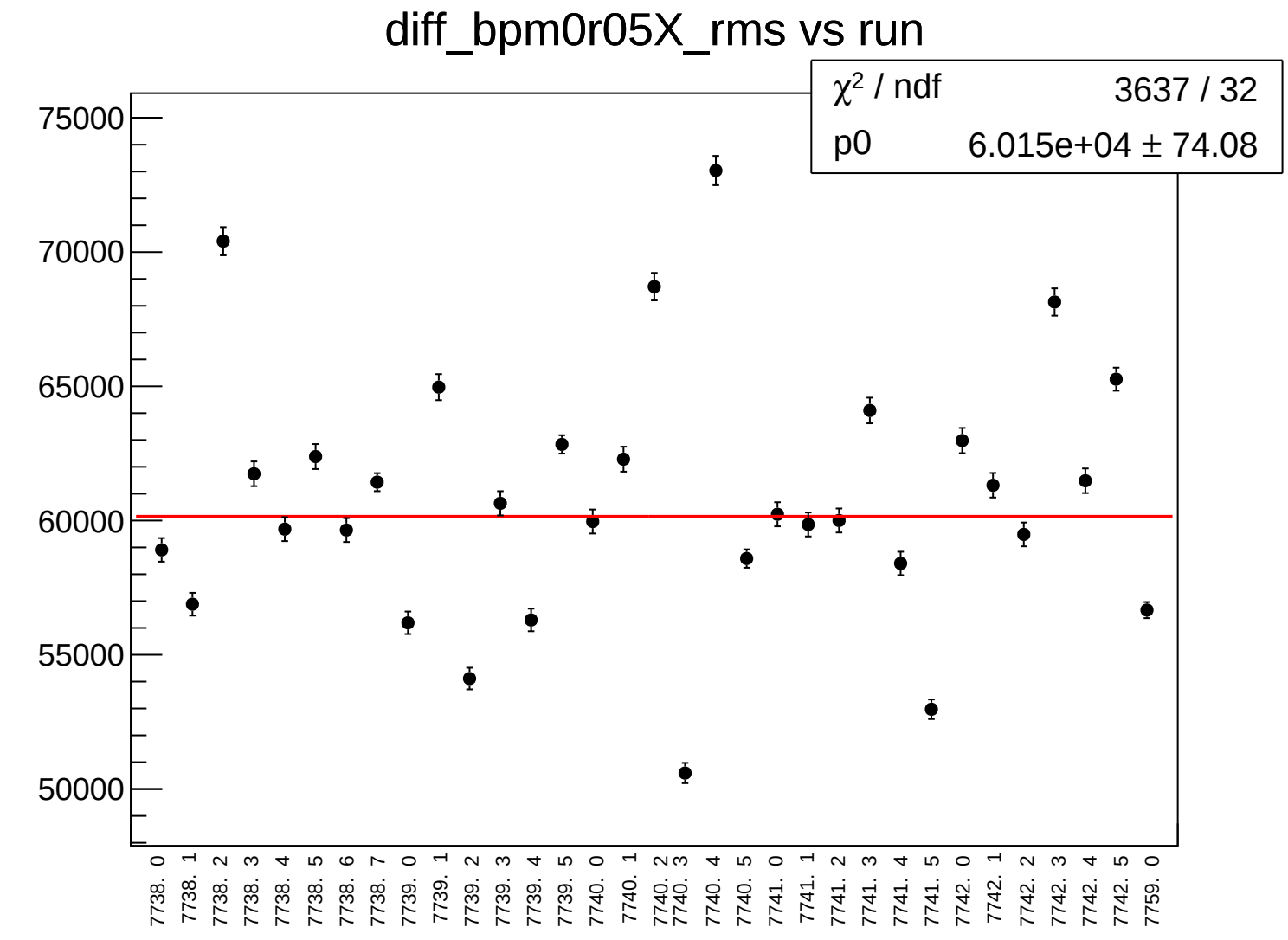

diff_bpm0r03Y_mean vs run
χ² / ndf 56.37 / 32
p0 21.32 ± 2.181
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 28.72
Std Dev 21.43
3
2
1
0
−1
−2
−3

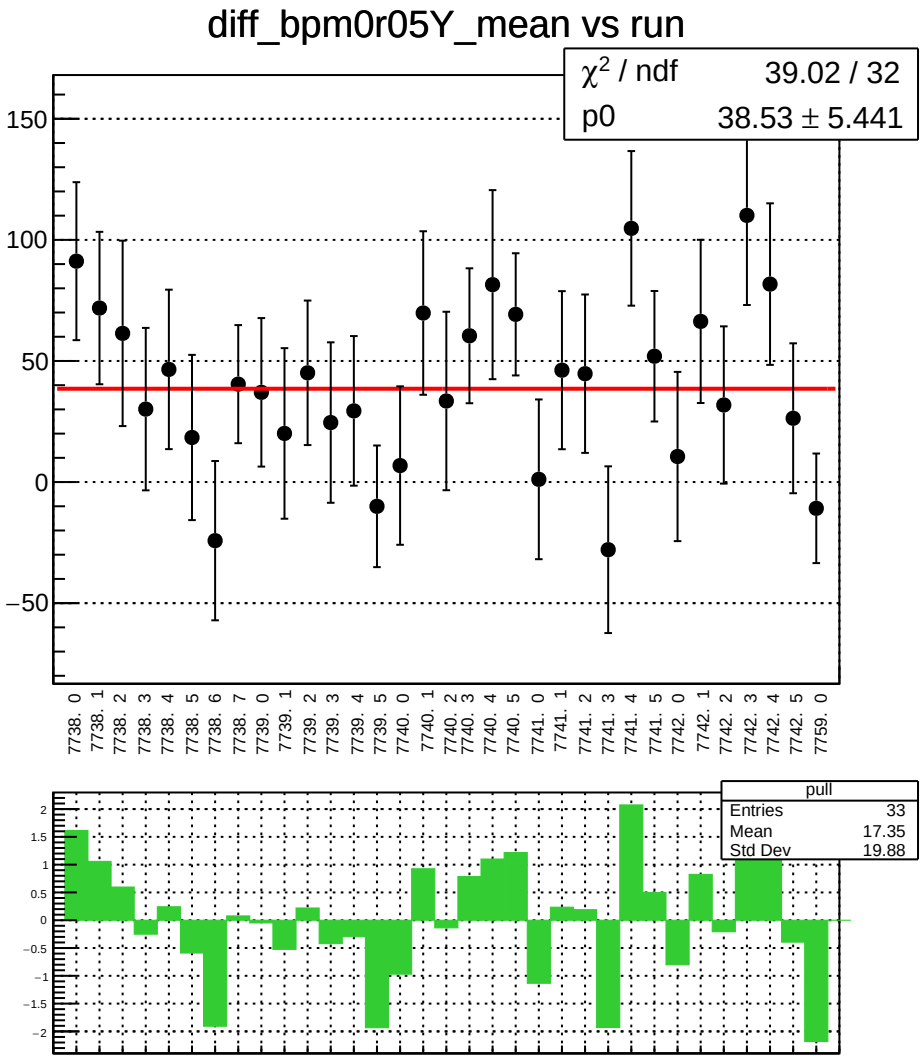

pull1D
Entries 33
Mean 0.03126
Std Dev 1.307
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

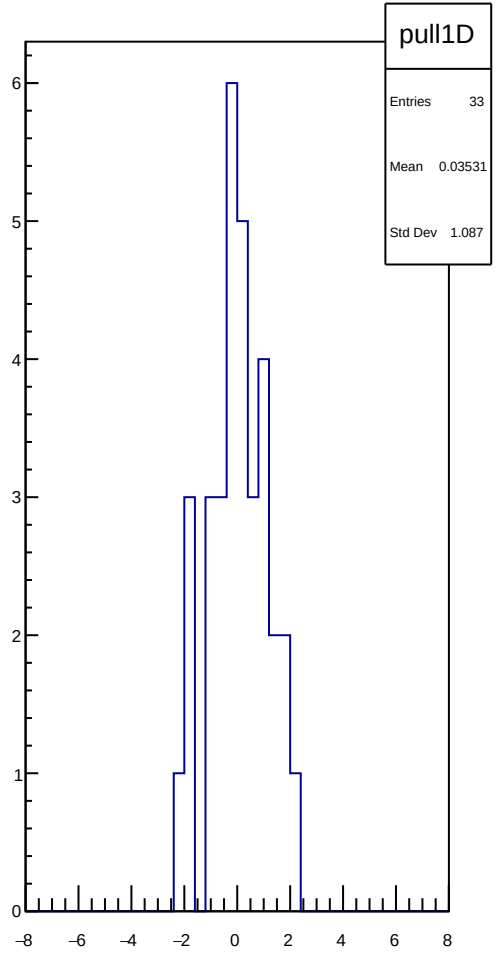

diff_bpm0r03Y_rms vs run
χ² / ndf 1035 / 32
p0 1254 ± 1.542
1400
1350
1300
1250
1200
1150
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

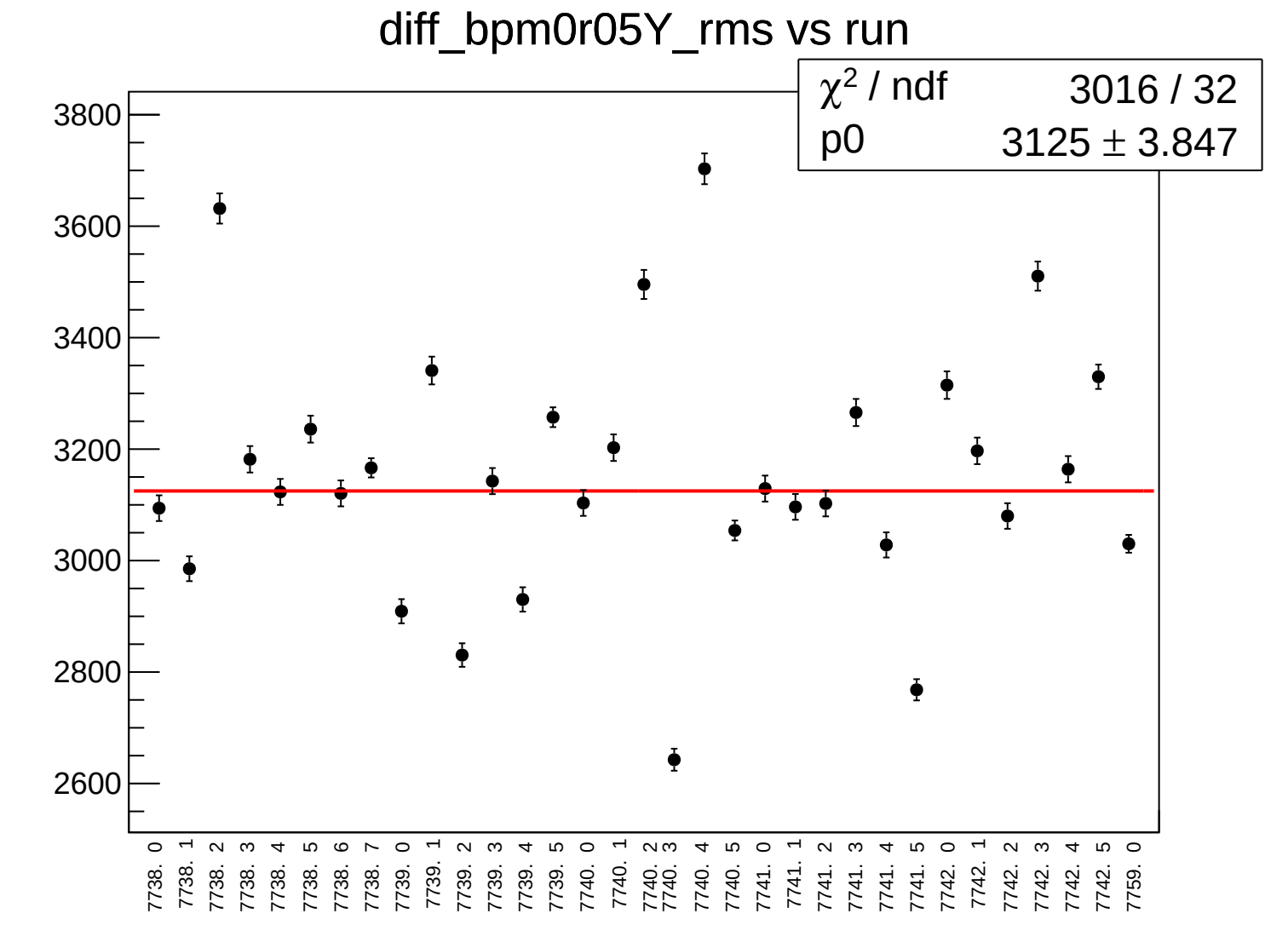

diff_bpm0r05X_mean vs run
χ² / ndf 27.31 / 32
p0 108.6 ± 104.8
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 82.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

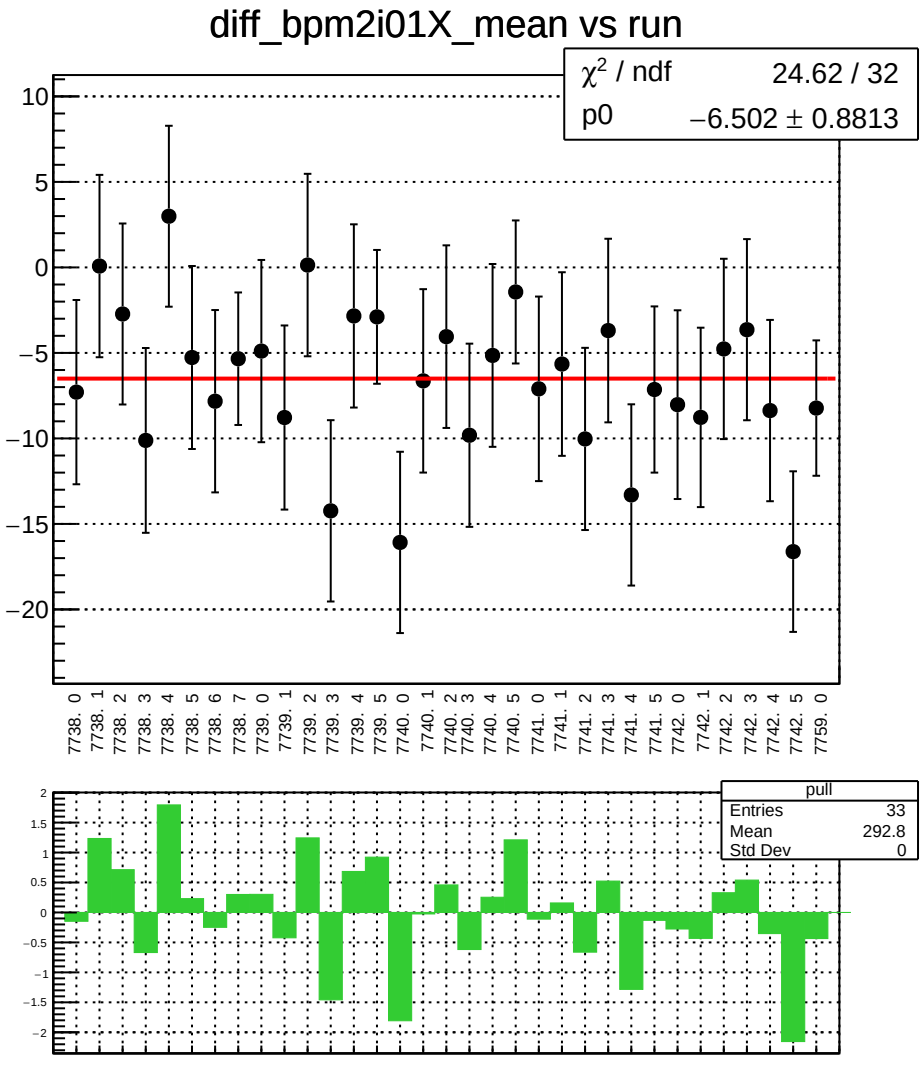

pull1D
Entries 33
Mean 0.0224
Std Dev 0.9094
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

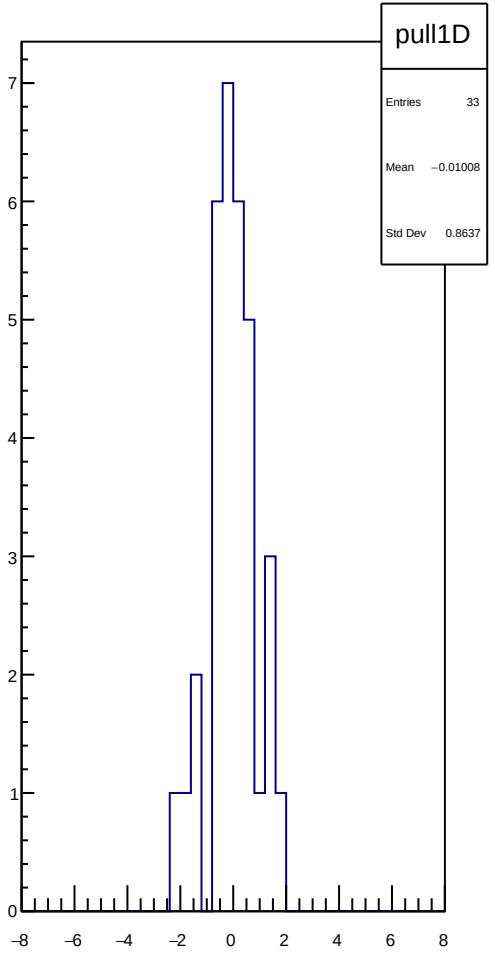

diff_bpm0r05X_rms vs run
χ² / ndf 3637 / 32
p0 6.015e+04 ± 74.08
75000
70000
65000
60000
55000
50000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

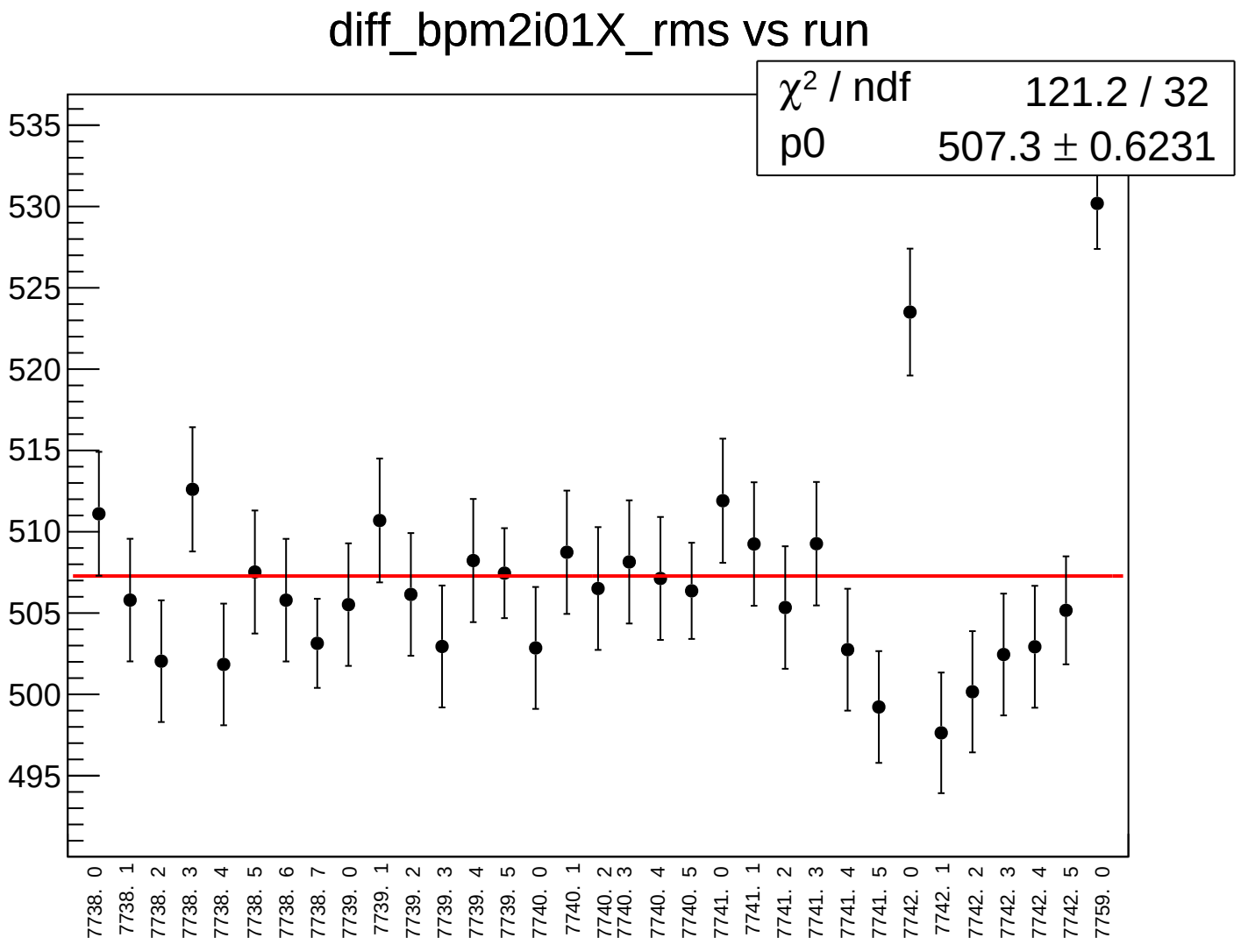

diff_bpm0r05Y_mean vs run
χ² / ndf 39.02 / 32
p0 38.53 ± 5.441
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.35
Std Dev 19.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

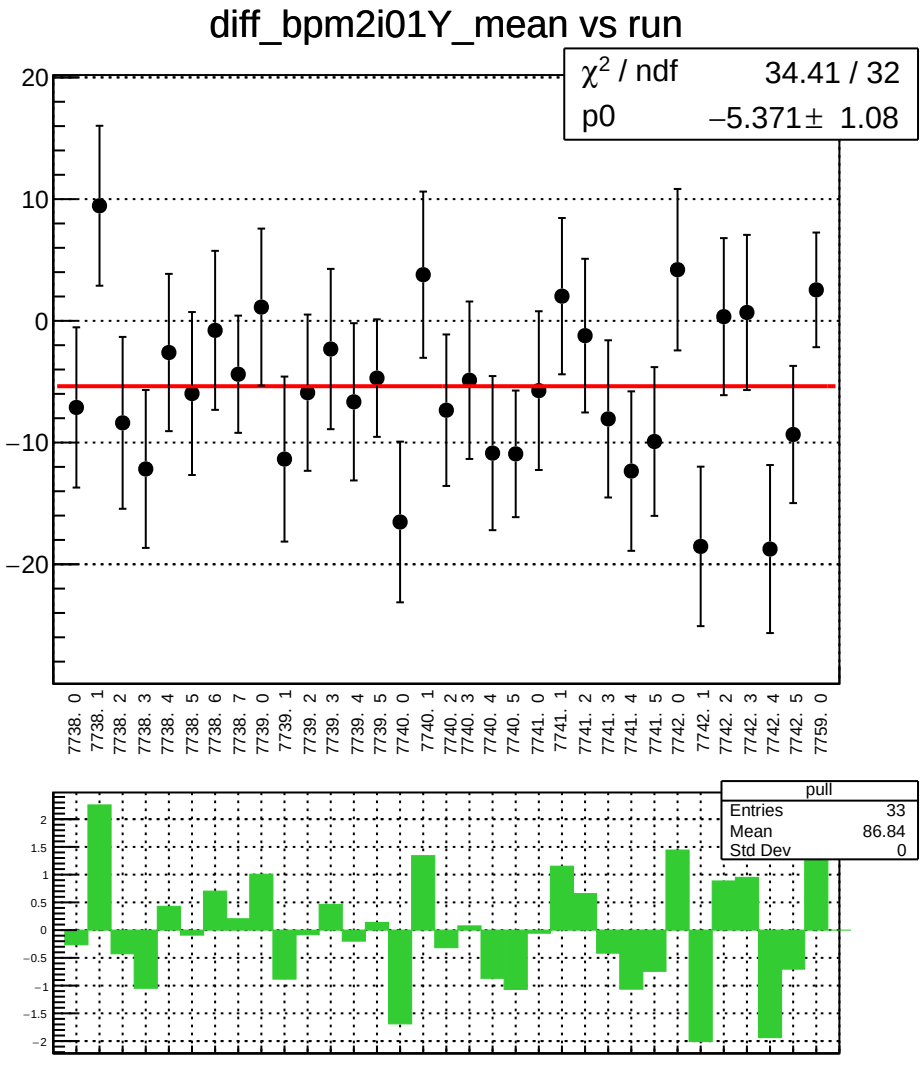

pull1D
Entries 33
Mean 0.03531
Std Dev 1.087
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

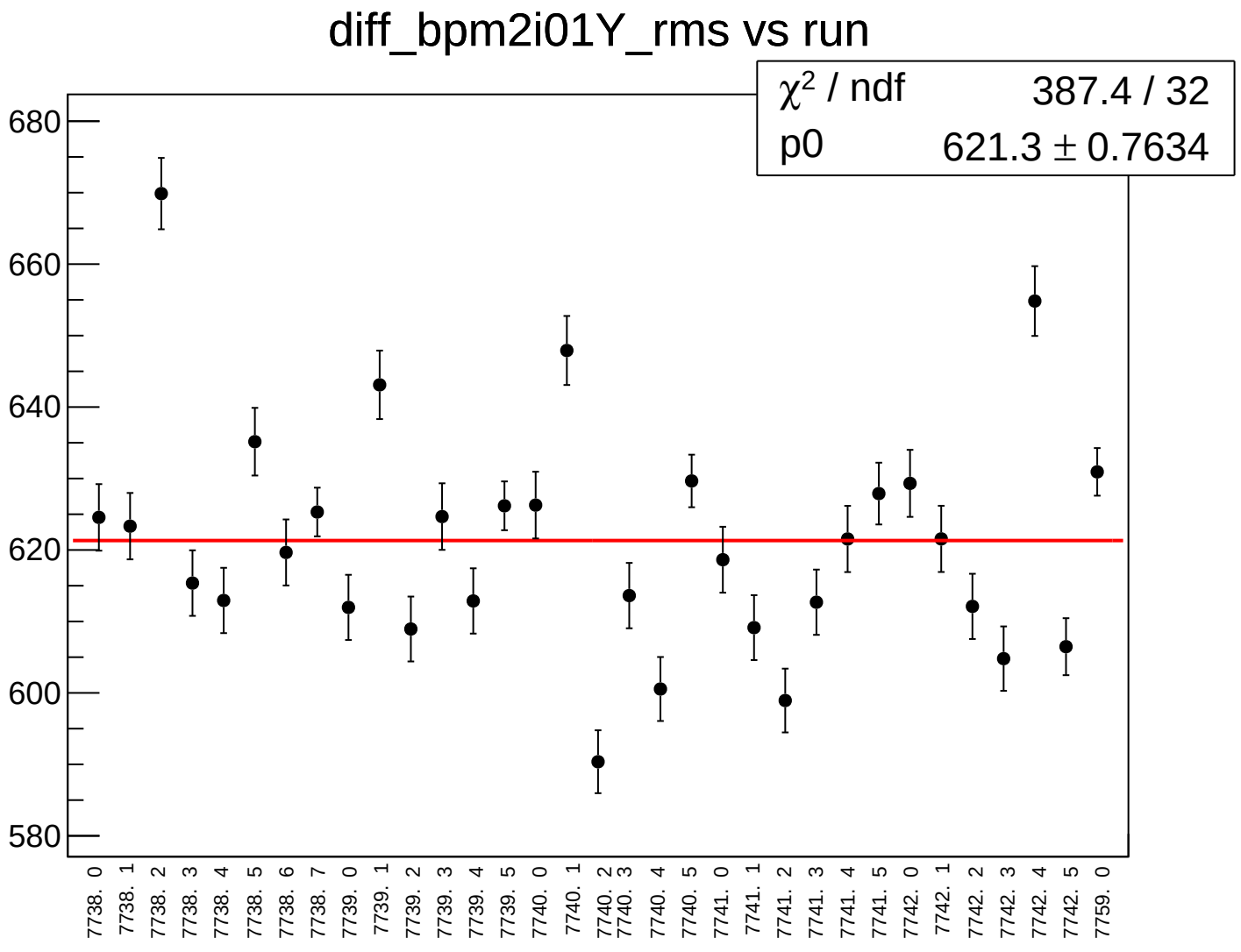

diff_bpm0r05Y_rms vs run
χ² / ndf 3016 / 32
p0 3125 ± 3.847
3800
3600
3400
3200
3000
2800
2600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

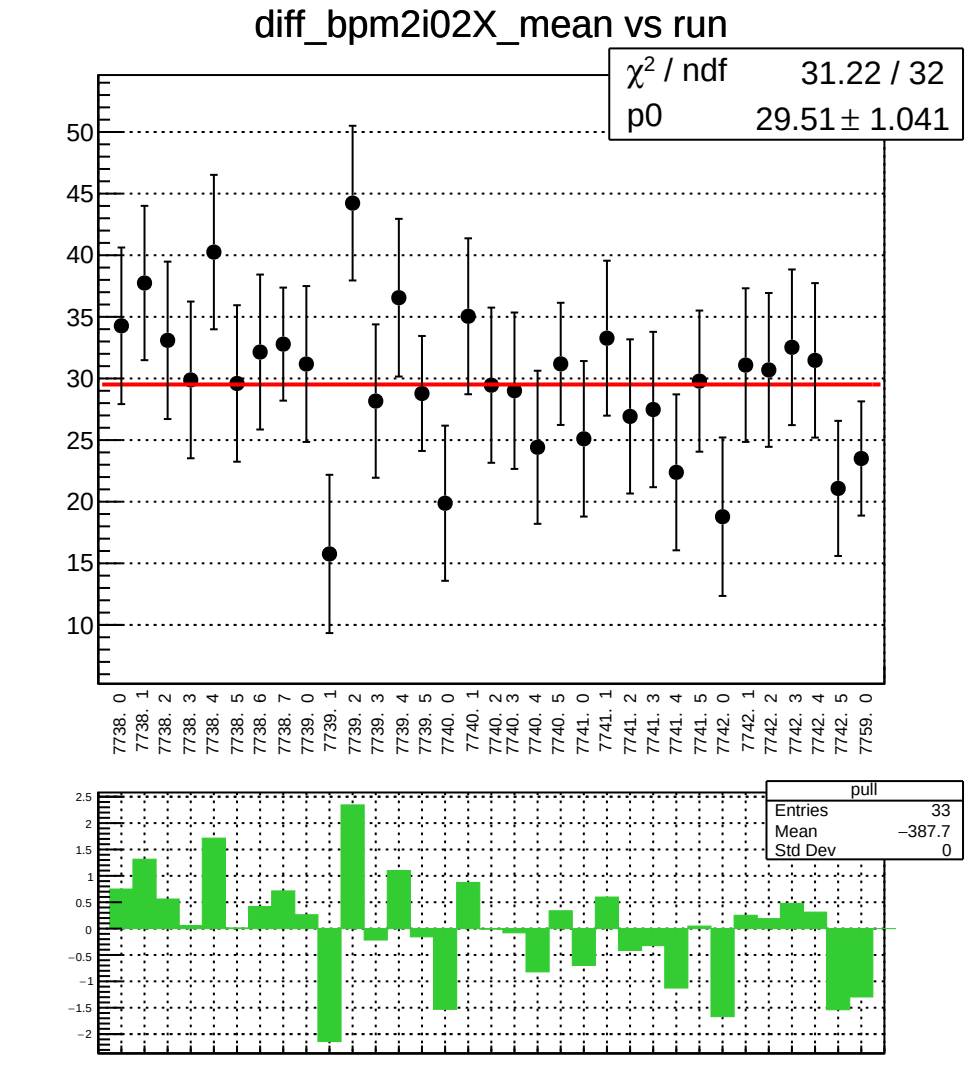

diff_bpm2i01X_mean vs run
χ² / ndf 24.62 / 32
p0 −6.502 ± 0.8813
pull
Entries 33
Mean 292.8
Std Dev 0

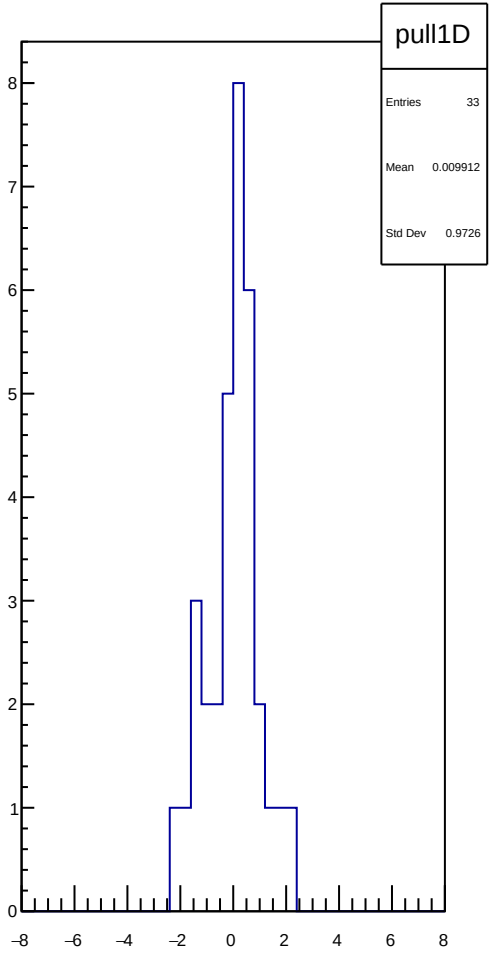

pull1D
Entries 33
Mean −0.01008
Std Dev 0.8637

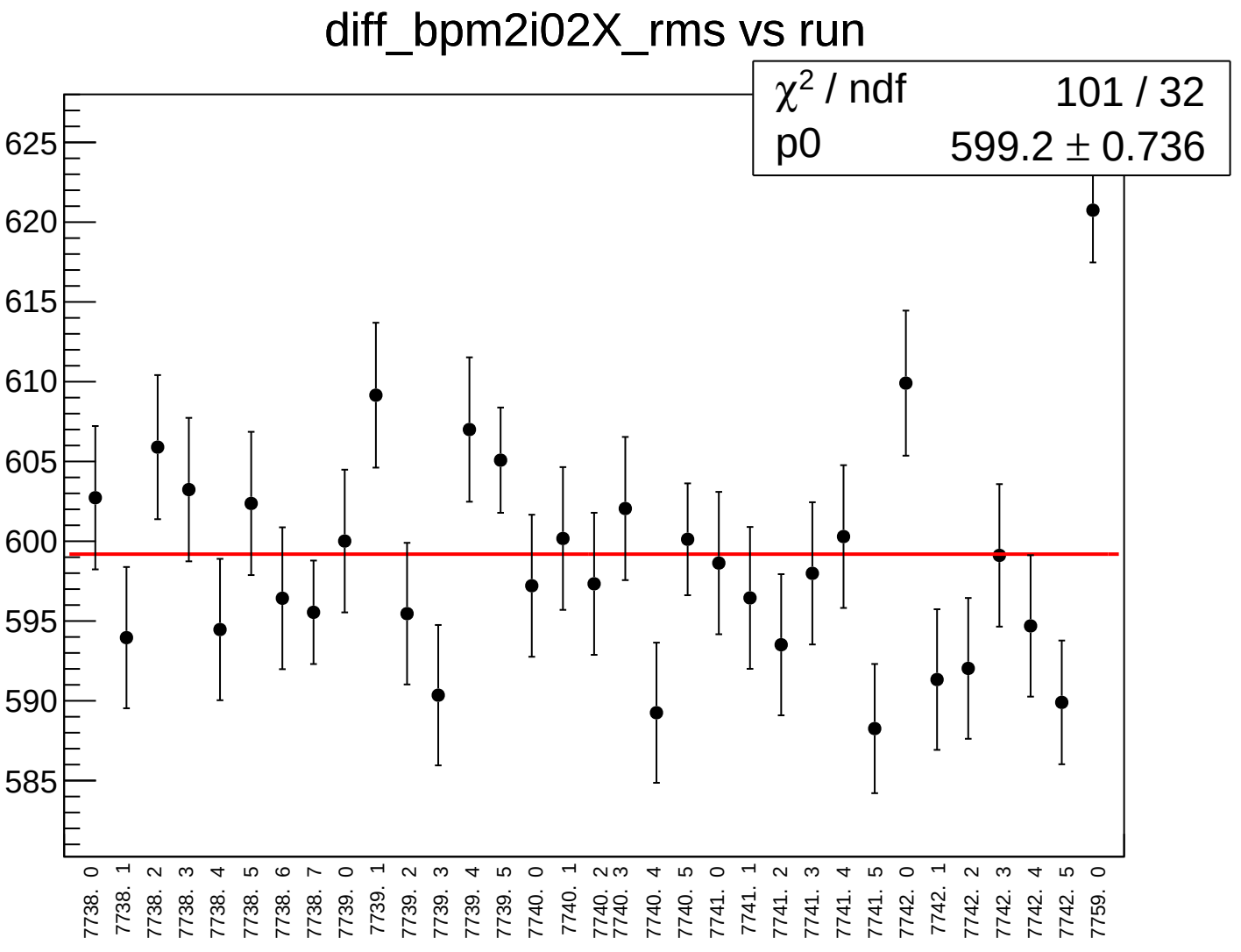

diff_bpm2i01X_rms vs run
χ² / ndf 121.2 / 32
p0 507.3 ± 0.6231
535
530
525
520
515
510
505
500
495
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

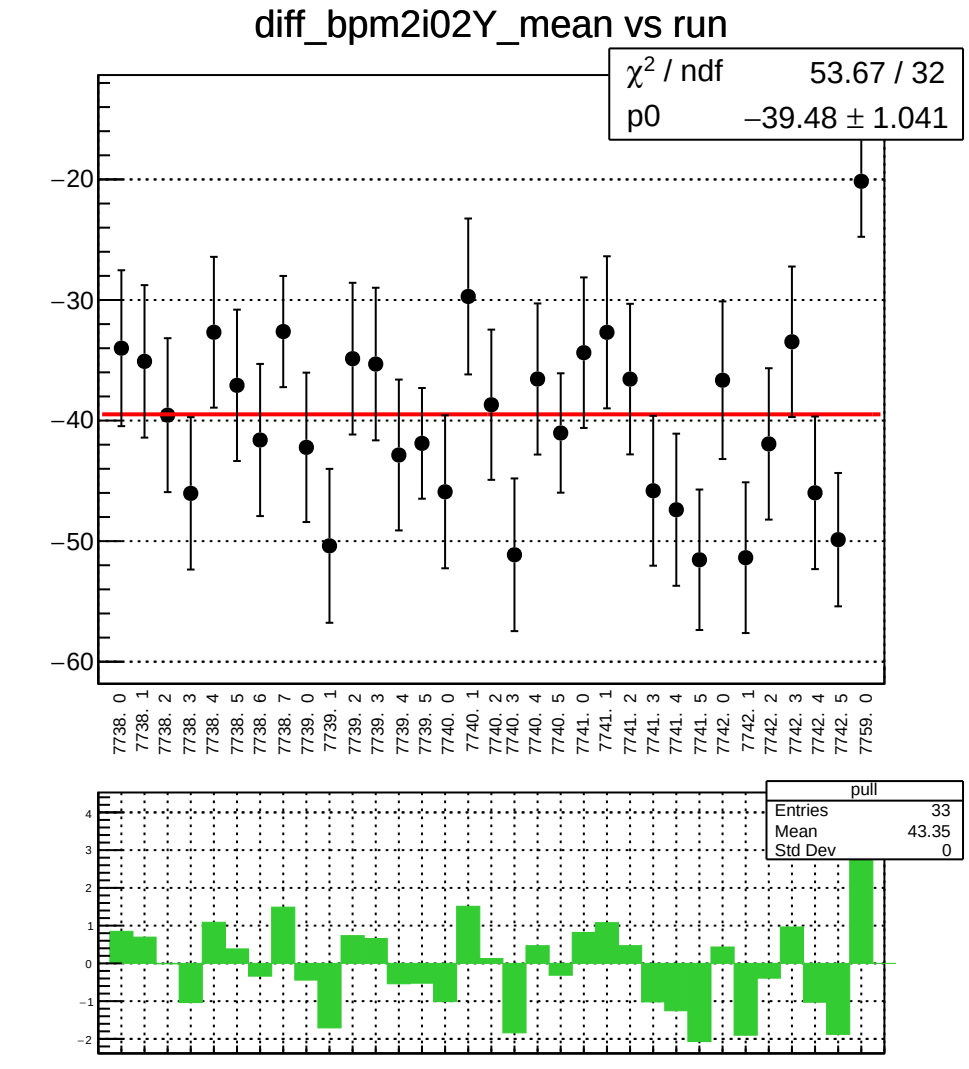

diff_bpm2i01Y_mean vs run
χ² / ndf 34.41 / 32
p0 −5.371± 1.08
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 86.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01434
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

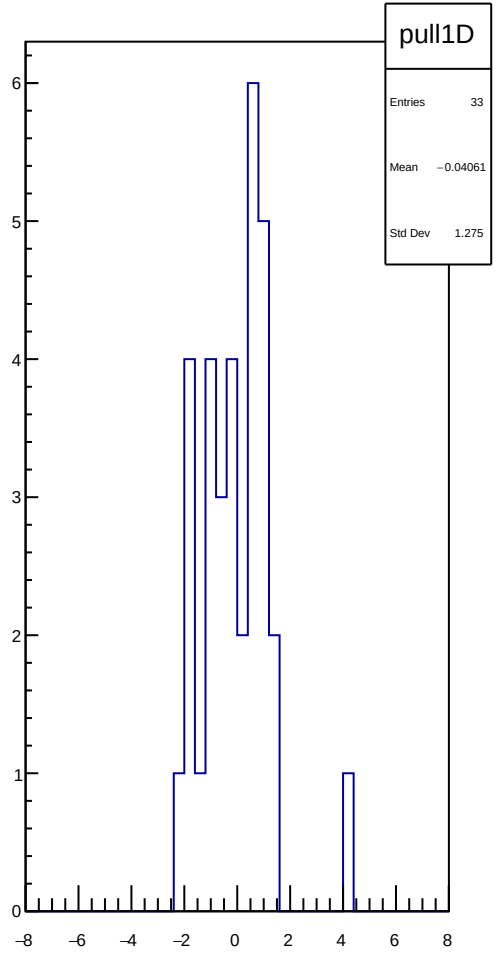

diff_bpm2i01Y_rms vs run
χ² / ndf 387.4 / 32
p0 621.3 ± 0.7634
680
660
640
620
600
580
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

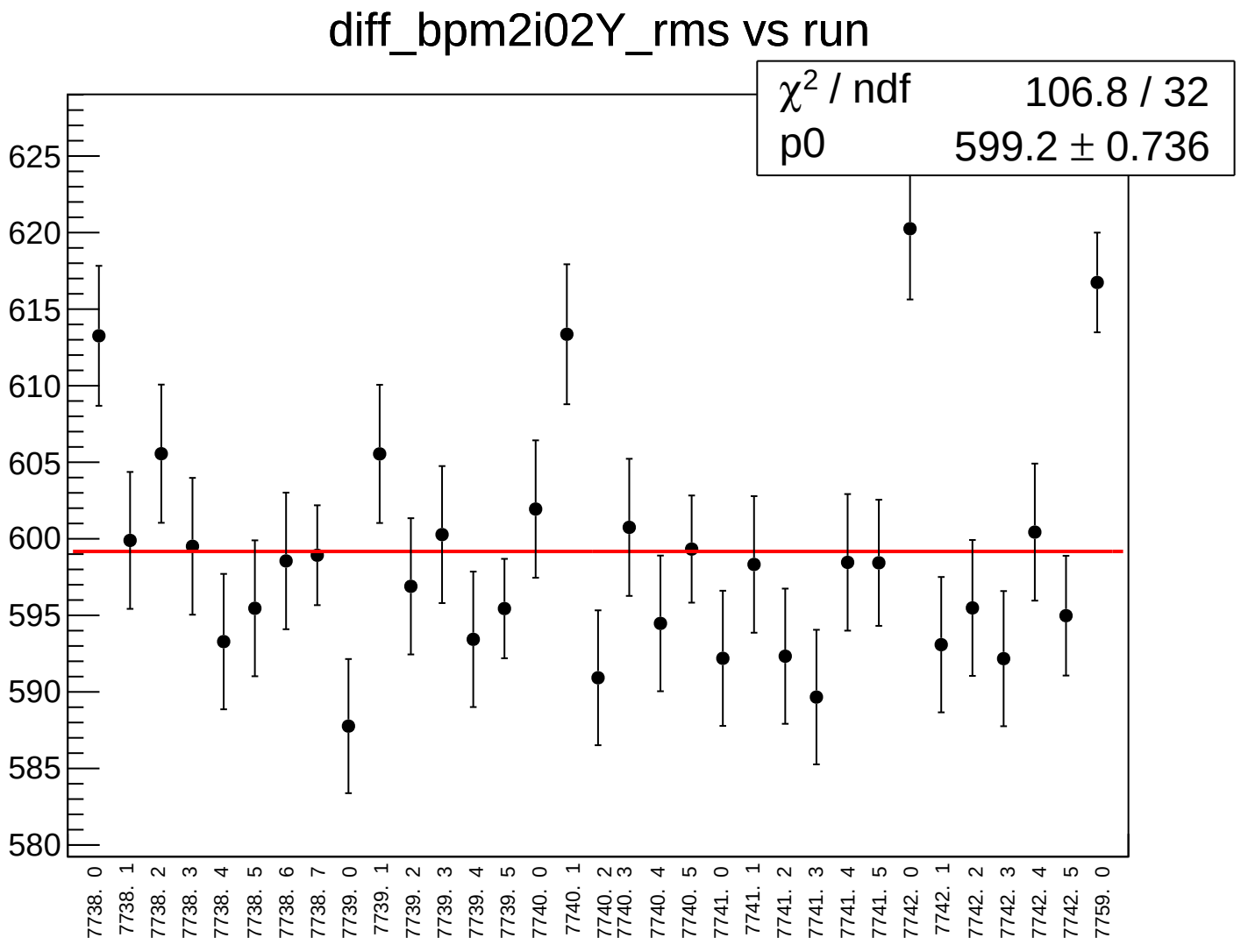

diff_bpm2i02X_mean vs run
χ² / ndf 31.22 / 32
p0 29.51 ± 1.041
50
45
40
35
30
25
20
15
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −387.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

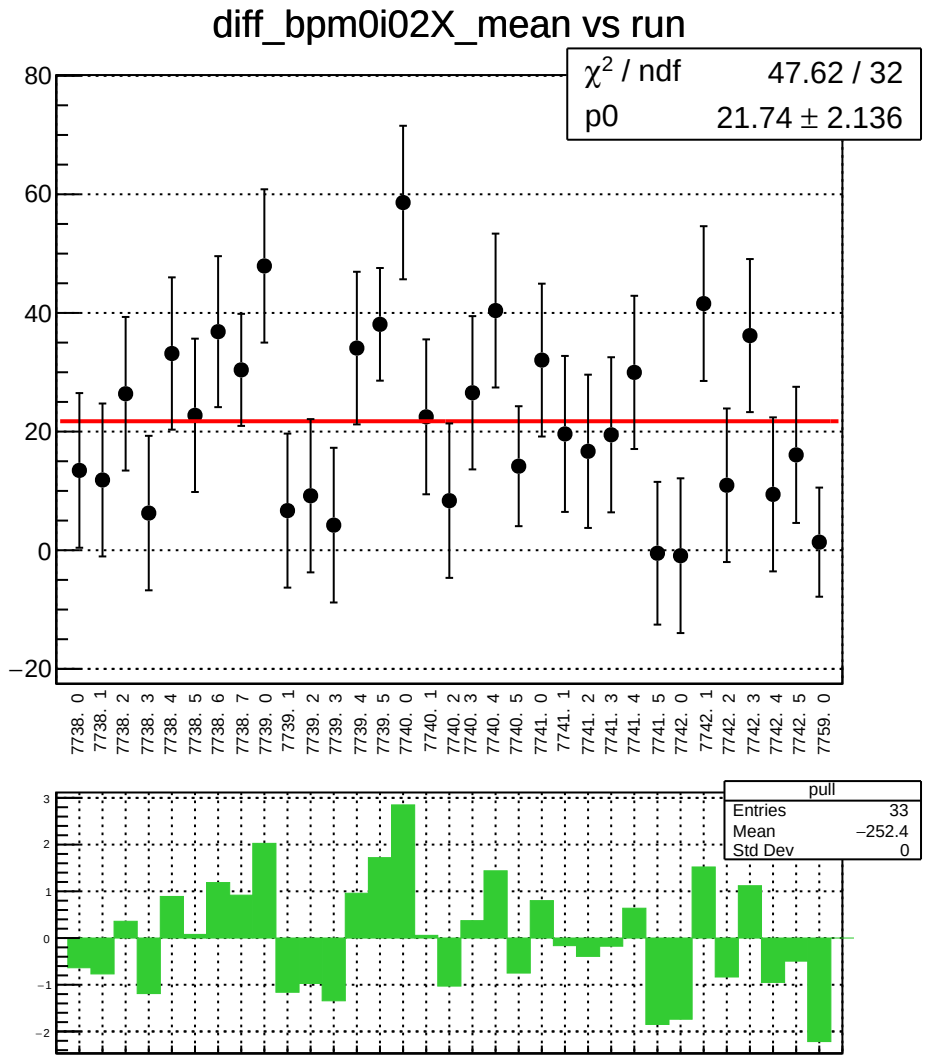

pull1D
Entries 33
Mean 0.009912
Std Dev 0.9726
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

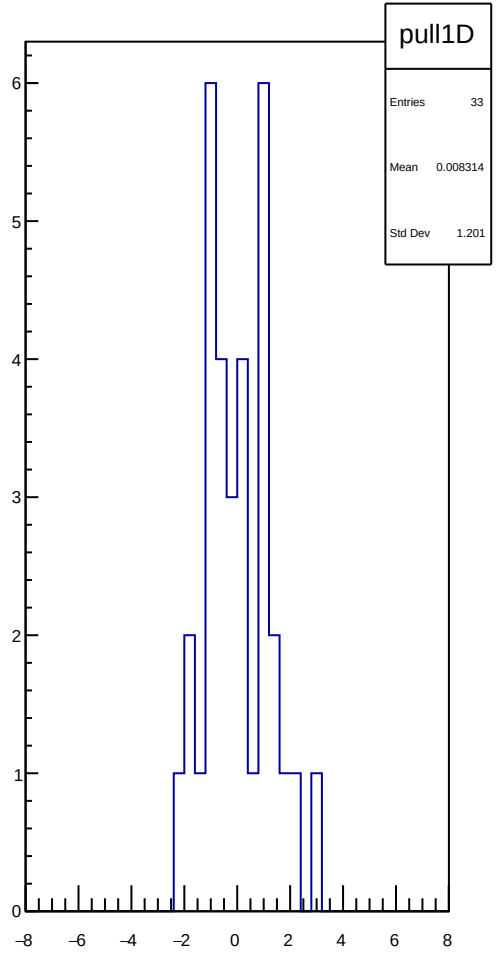

diff_bpm2i02X_rms vs run
χ² / ndf 101 / 32
p0 599.2 ± 0.736
625
620
615
610
605
600
595
590
585
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

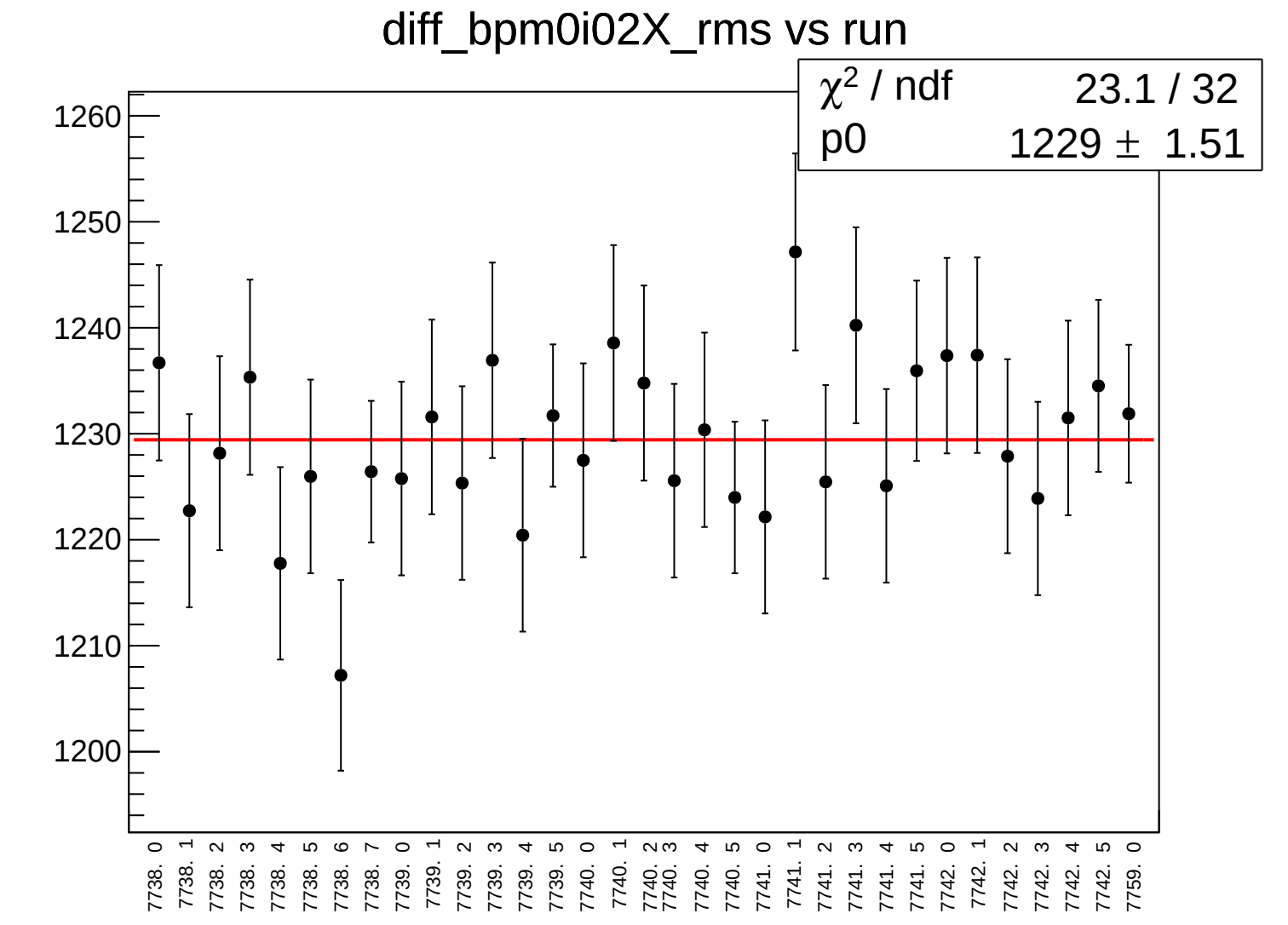

diff_bpm2i02Y_mean vs run
χ² / ndf 53.67 / 32
p0 −39.48 ± 1.041
−20
−30
−40
−50
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 43.35
Std Dev 0
4
3
2
1
0
−1
−2

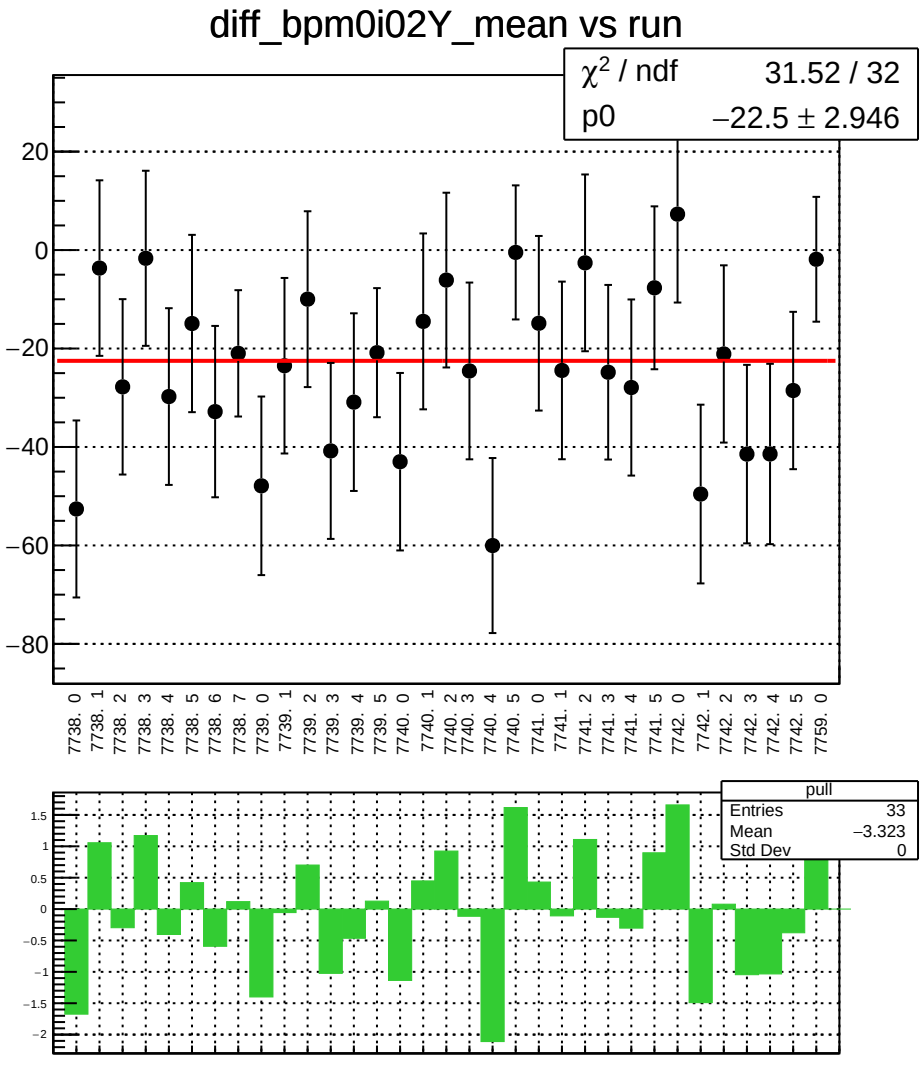

pull1D
Entries 33
Mean −0.04061
Std Dev 1.275
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

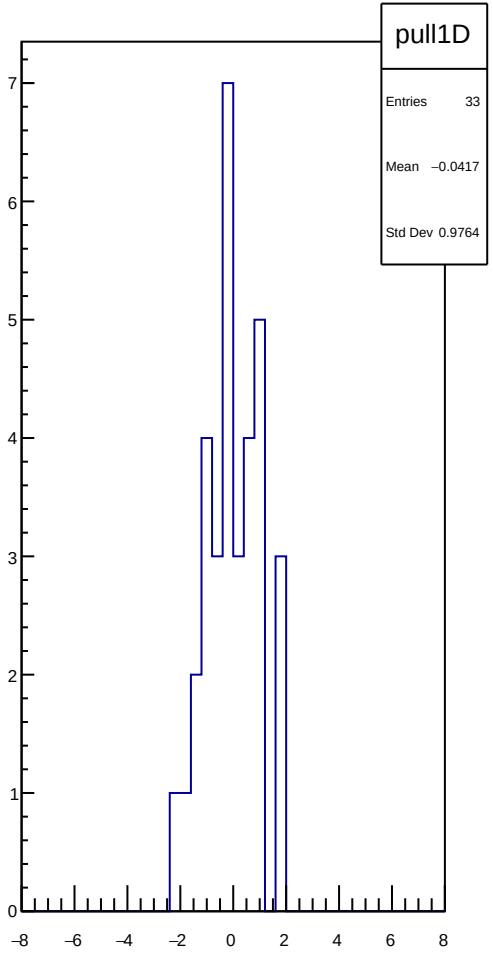

diff_bpm2i02Y_rms vs run
χ² / ndf 106.8 / 32
p0 599.2 ± 0.736
625
620
615
610
605
600
595
590
585
580
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

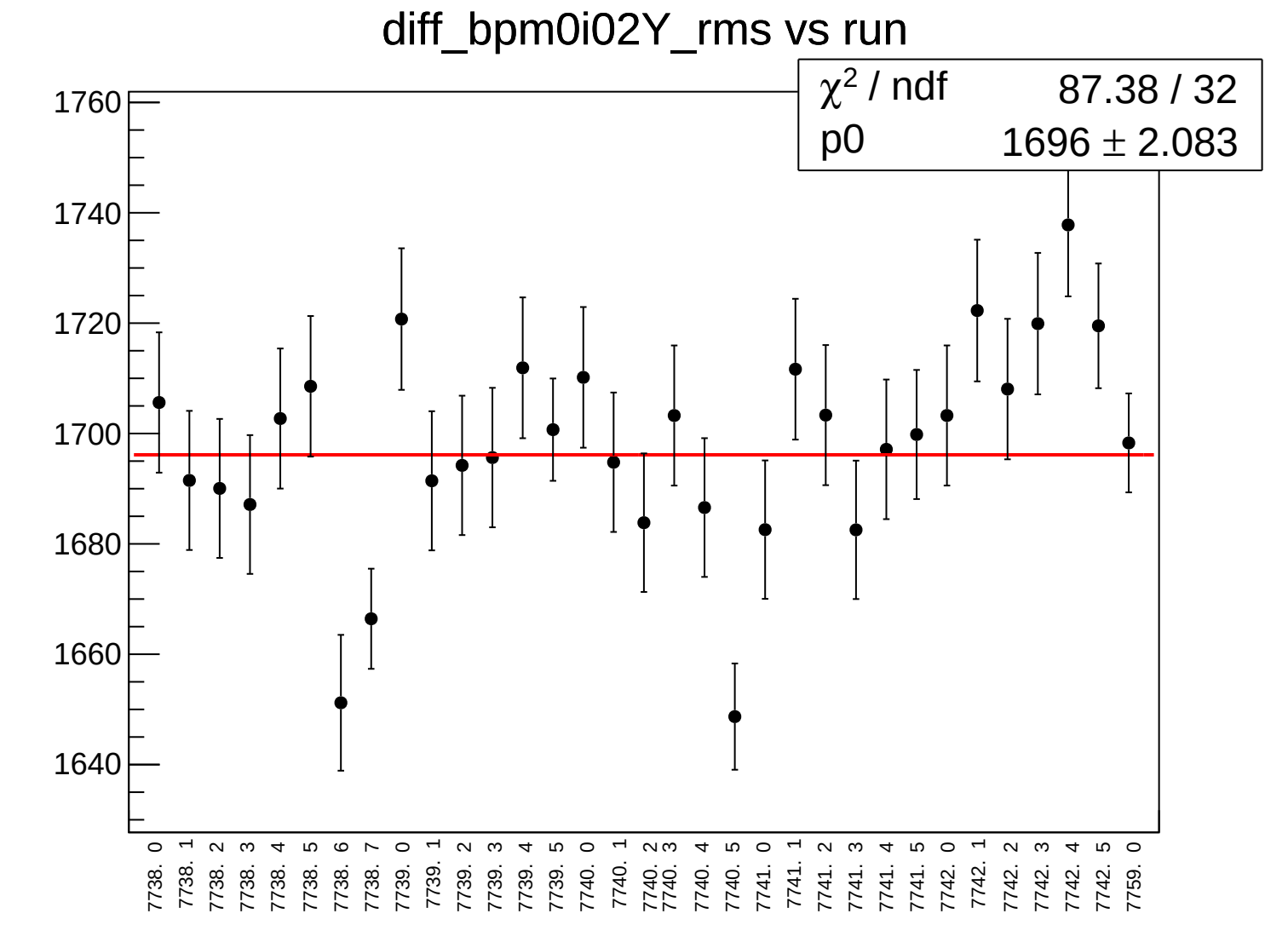

diff_bpm0i02X_mean vs run
χ² / ndf 47.62 / 32
p0 21.74 ± 2.136
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −252.4
Std Dev 0
3
2
1
0
−1
−2

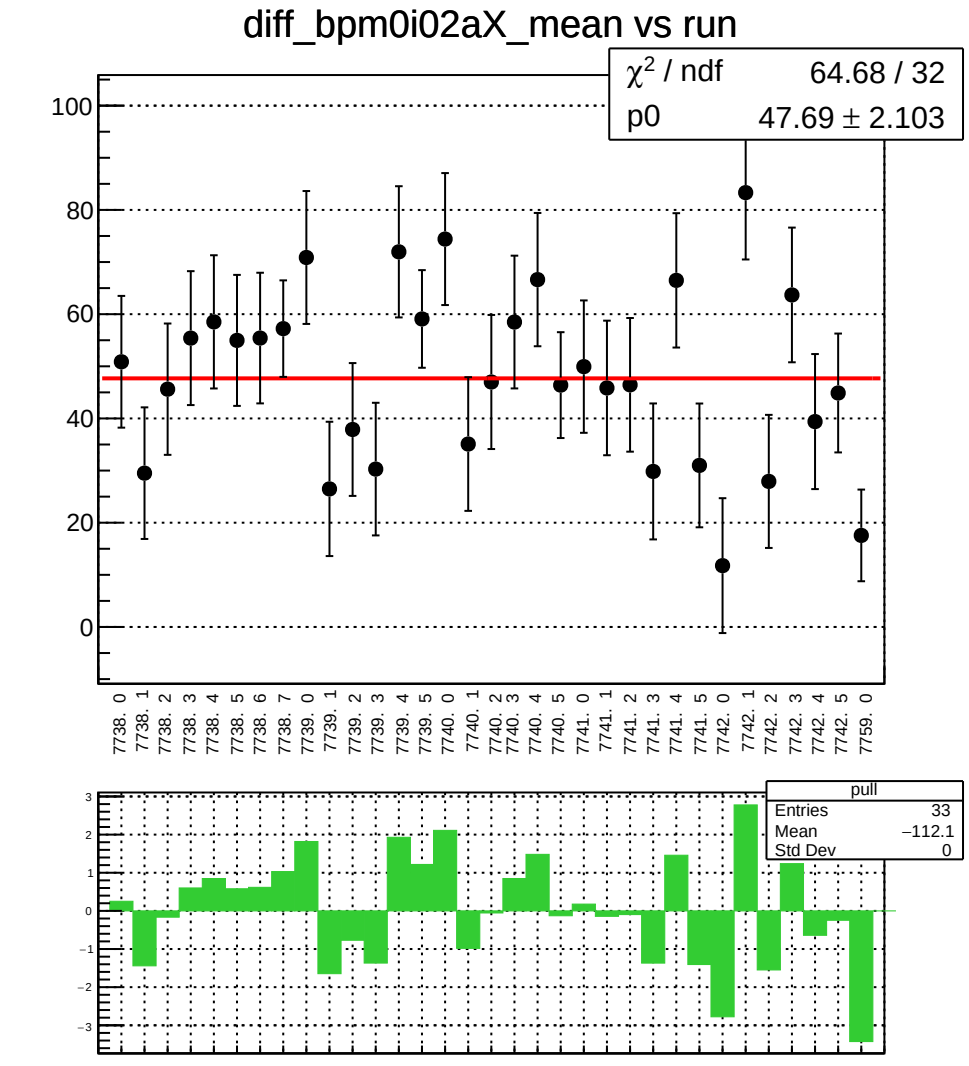

pull1D
Entries 33
Mean 0.008314
Std Dev 1.201
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

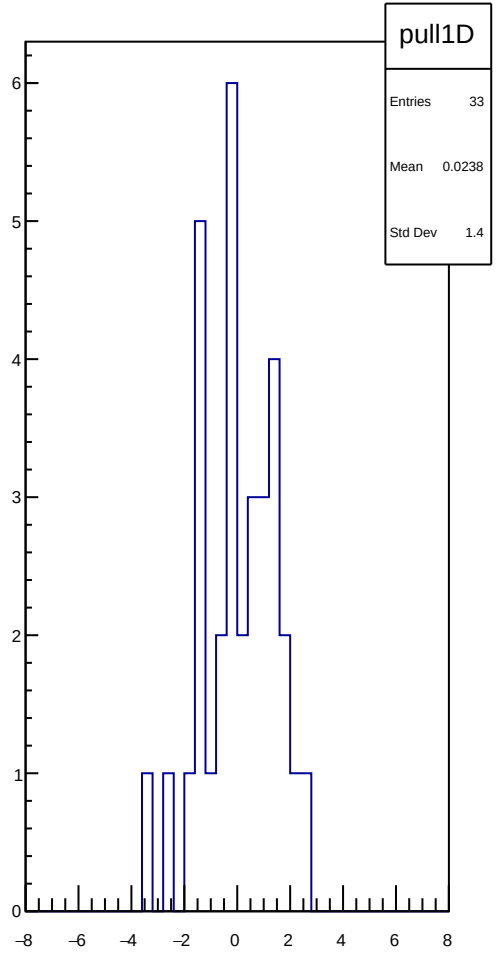

diff_bpm0i02X_rms vs run
χ² / ndf 23.1 / 32
p0 1229 ± 1.51
1260
1250
1240
1230
1220
1210
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

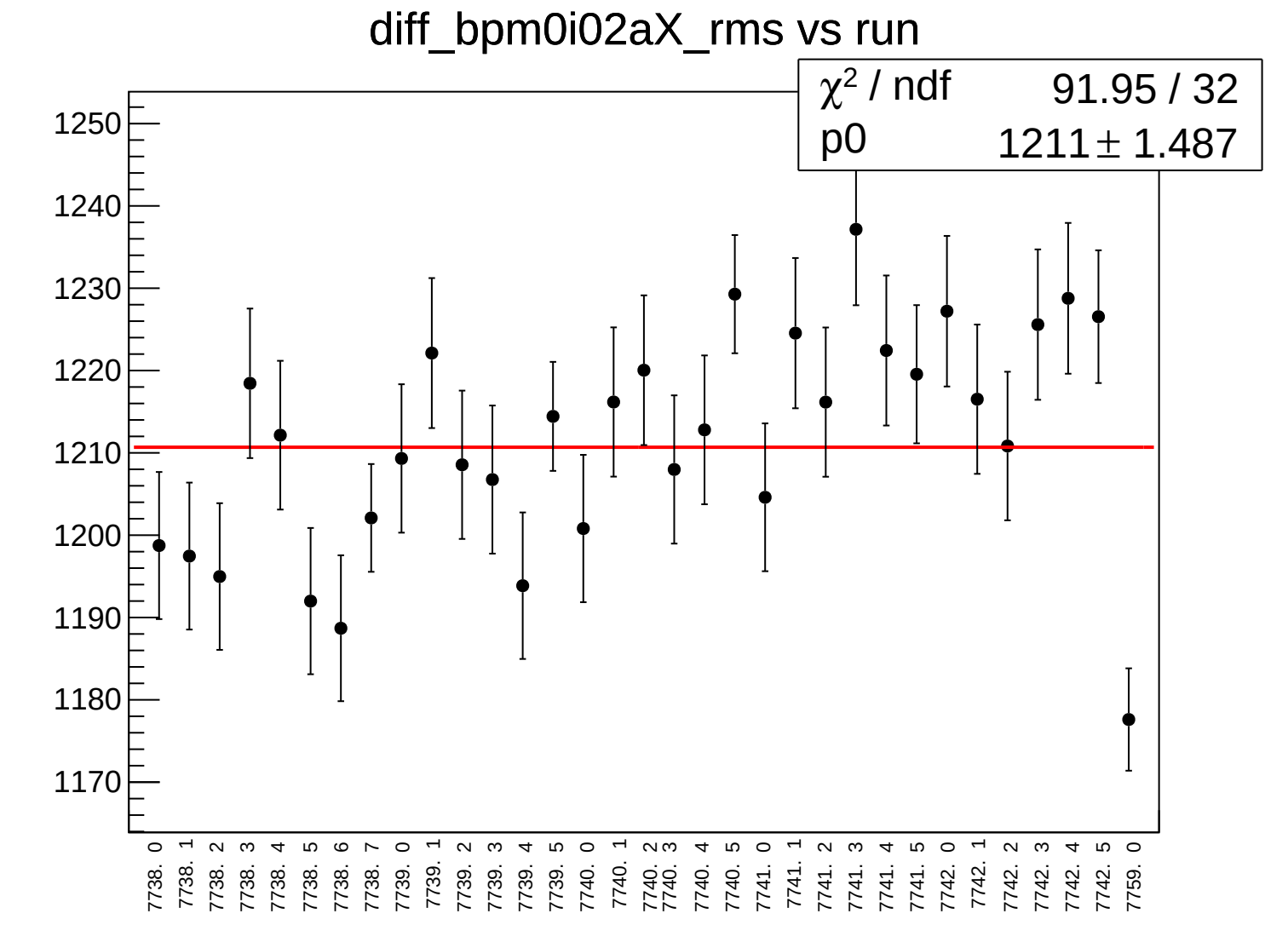

diff_bpm0i02Y_mean vs run
χ² / ndf 31.52 / 32
p0 −22.5 ± 2.946
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.323
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

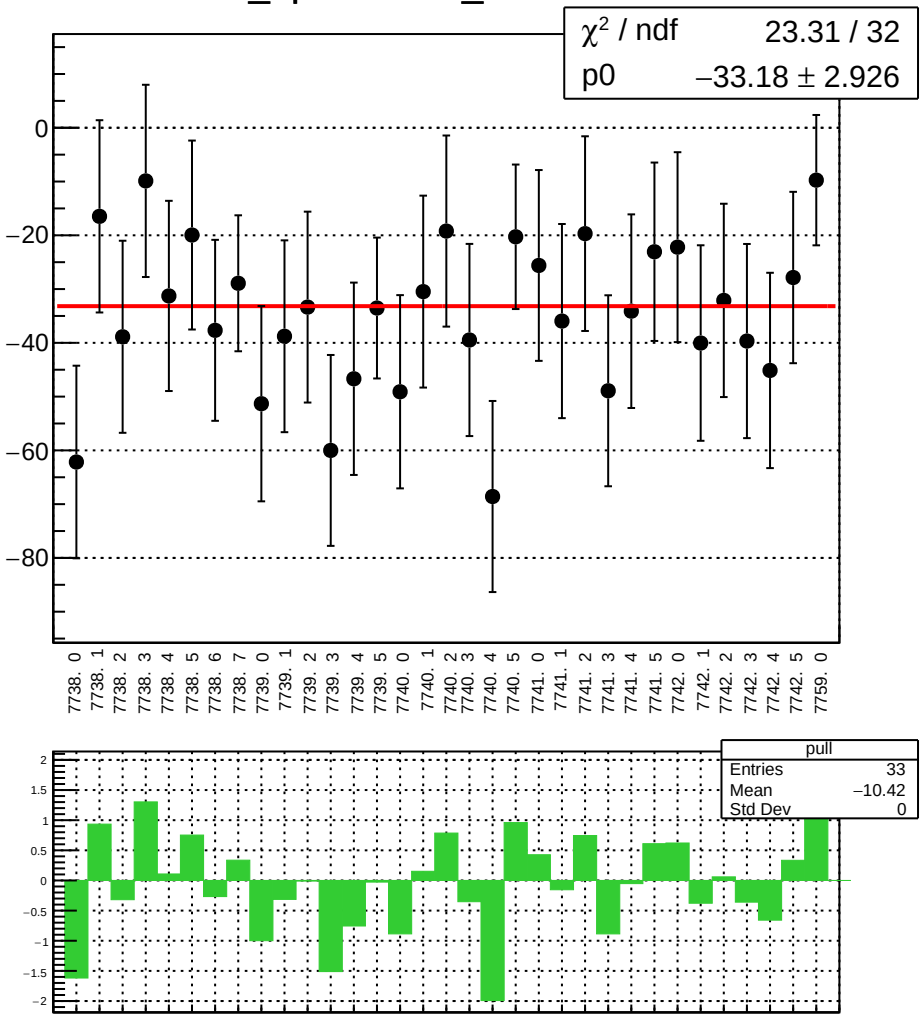

pull1D
Entries 33
Mean −0.0417
Std Dev 0.9764
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

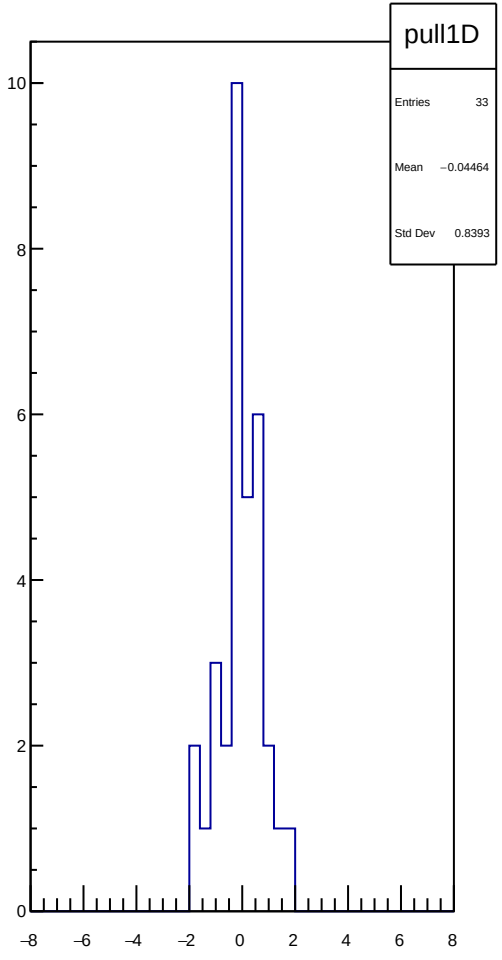

diff_bpm0i02Y_rms vs run
χ² / ndf 87.38 / 32
p0 1696 ± 2.083
1760
1740
1720
1700
1680
1660
1640
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

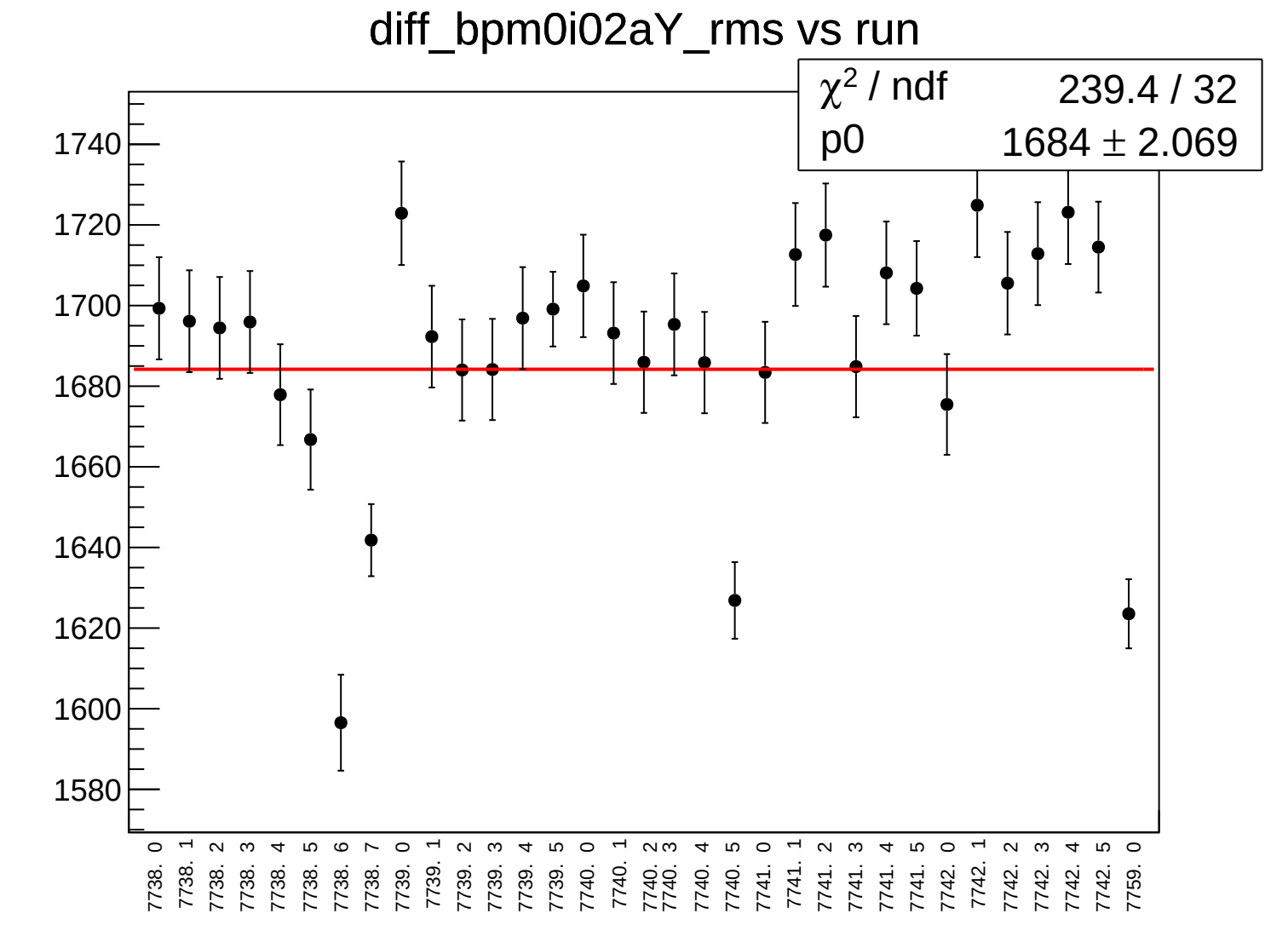

diff_bpm0i02aX_mean vs run
χ² / ndf 64.68 / 32
p0 47.69 ± 2.103
100
80
60
40
20
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −112.1
Std Dev 0
3
2
1
0
−1
−2
−3

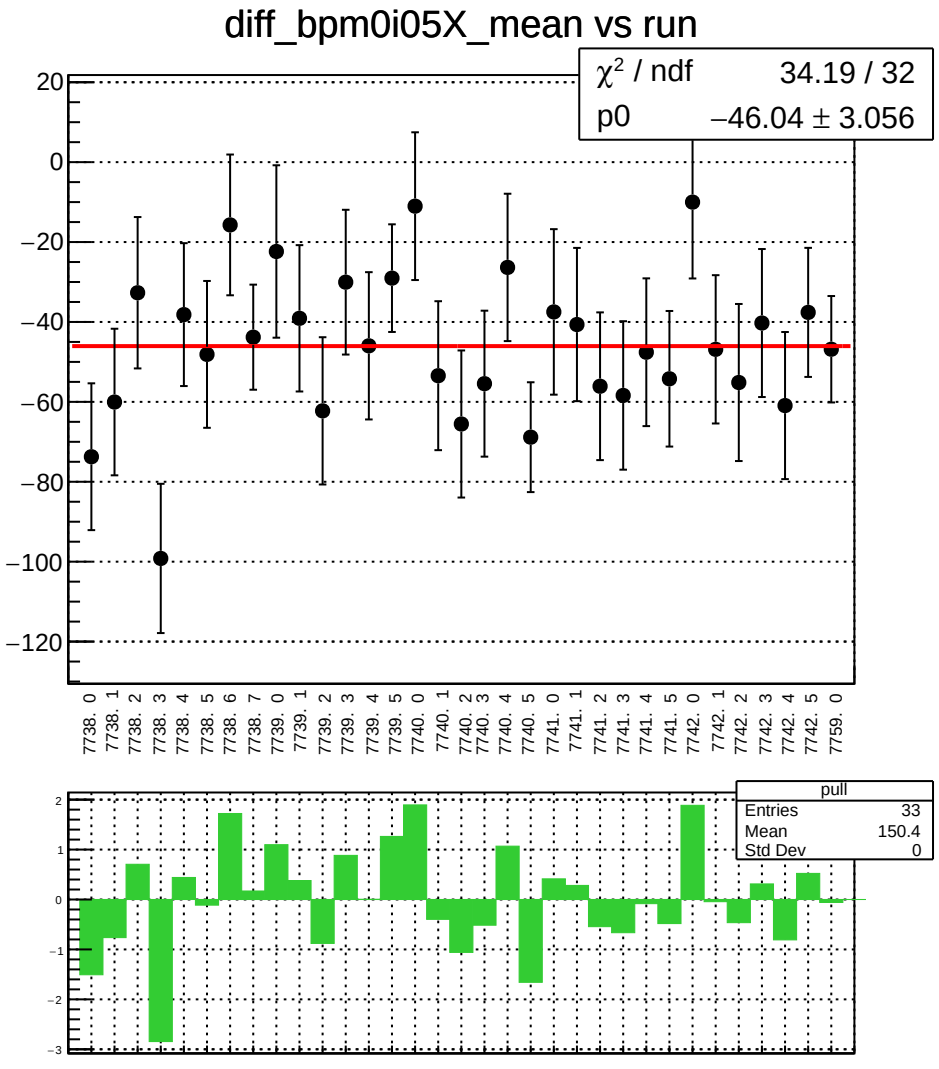

pull1D
Entries 33
Mean 0.0238
Std Dev 1.4
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

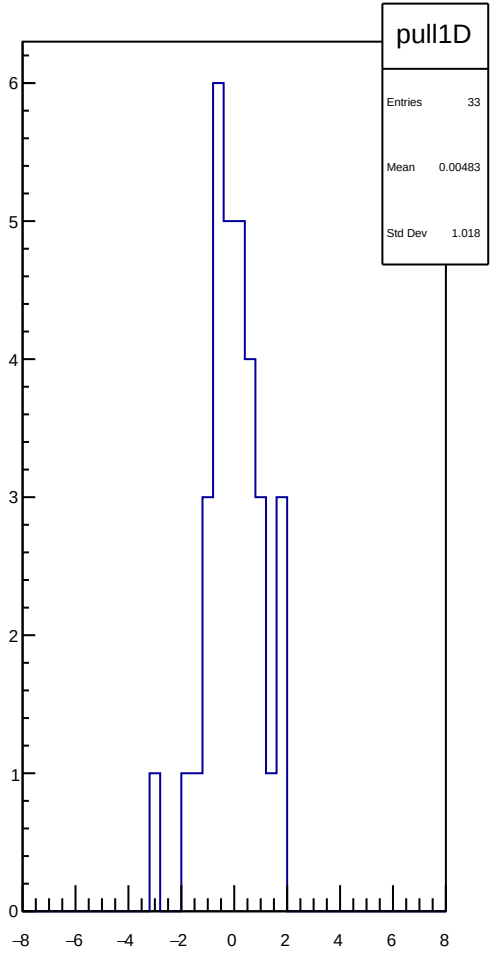

diff_bpm0i02aX_rms vs run
χ² / ndf 91.95 / 32
p0 1211 ± 1.487
1250
1240
1230
1220
1210
1200
1190
1180
1170
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

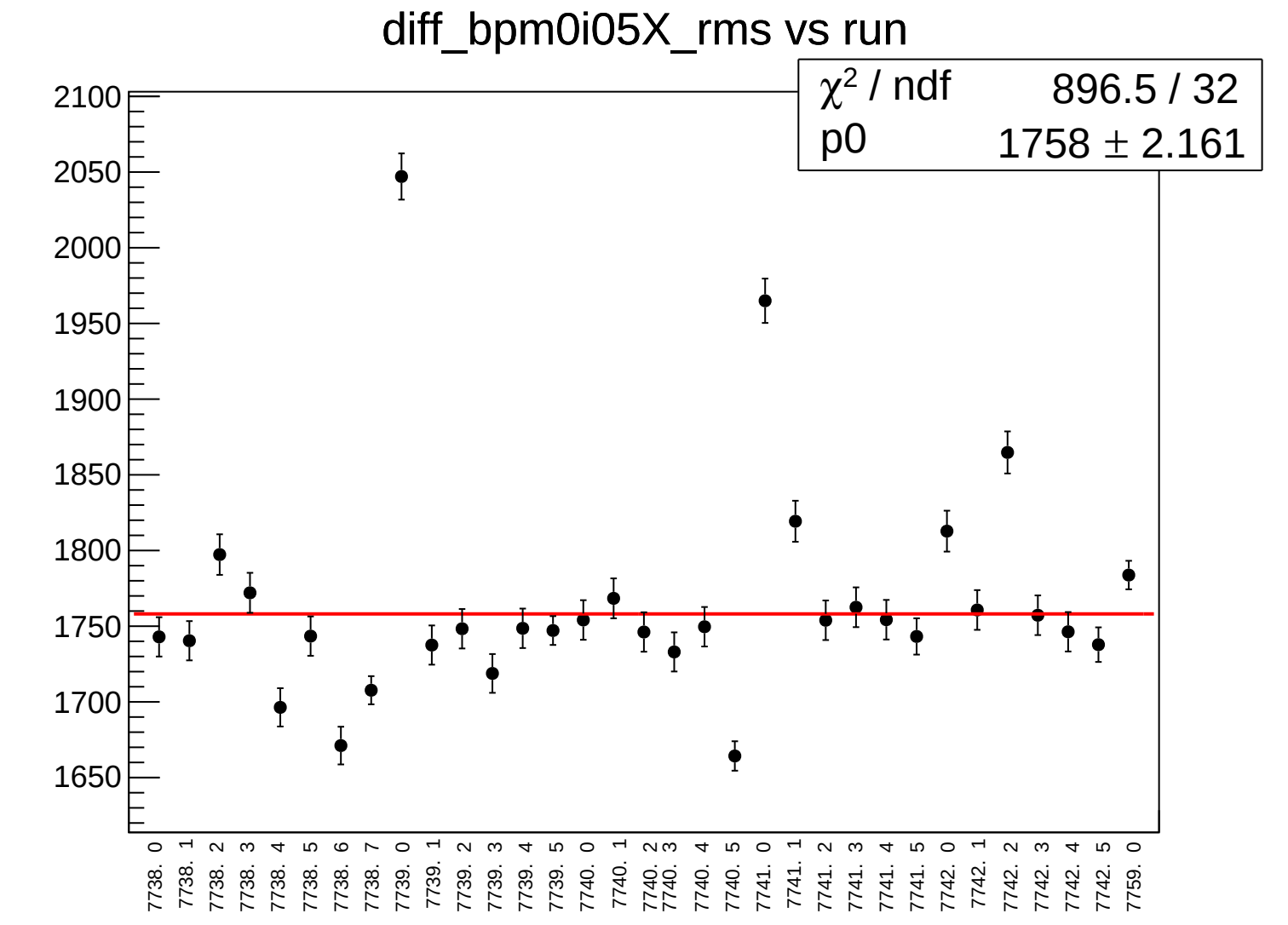

diff_bpm0i02aY_mean vs run
χ² / ndf 23.31 / 32
p0 −33.18 ± 2.926
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

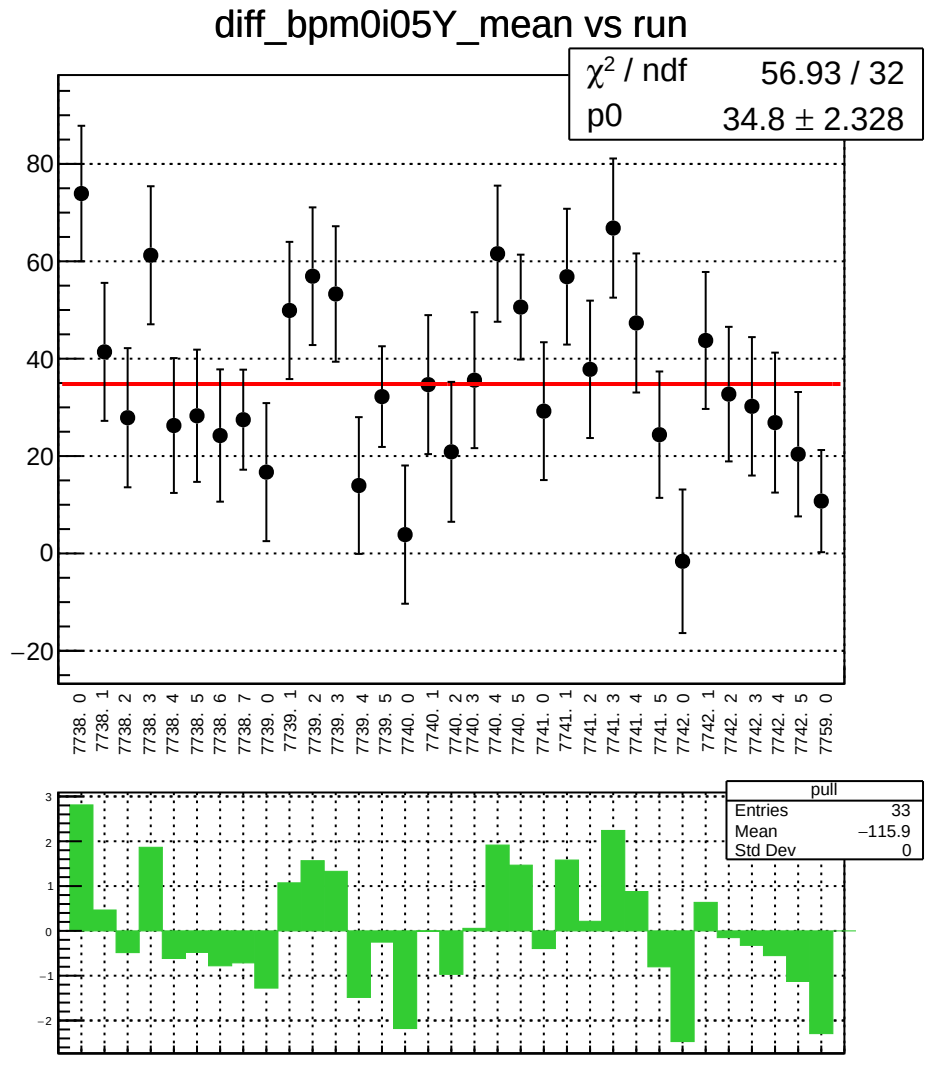

pull1D
Entries 33
Mean −0.04464
Std Dev 0.8393
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

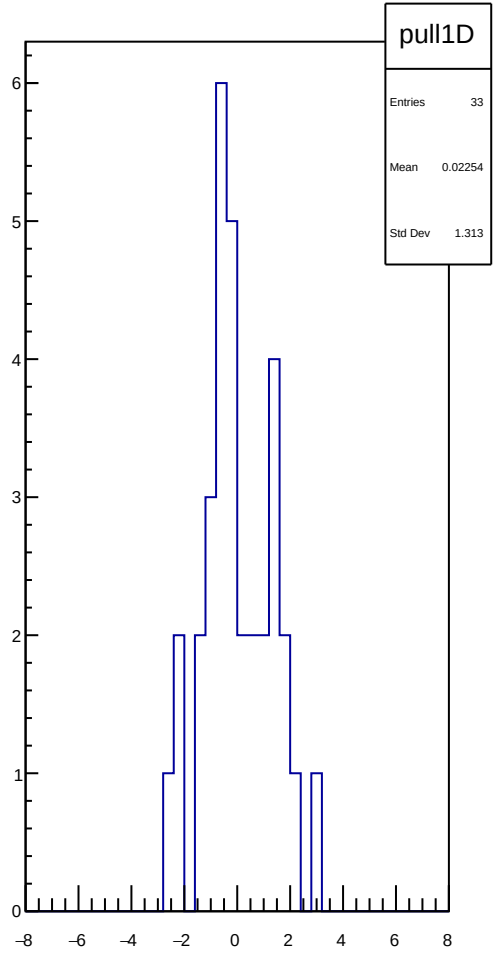

diff_bpm0i02aY_rms vs run
χ² / ndf 239.4 / 32
p0 1684 ± 2.069
1740
1720
1700
1680
1660
1640
1620
1600
1580
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

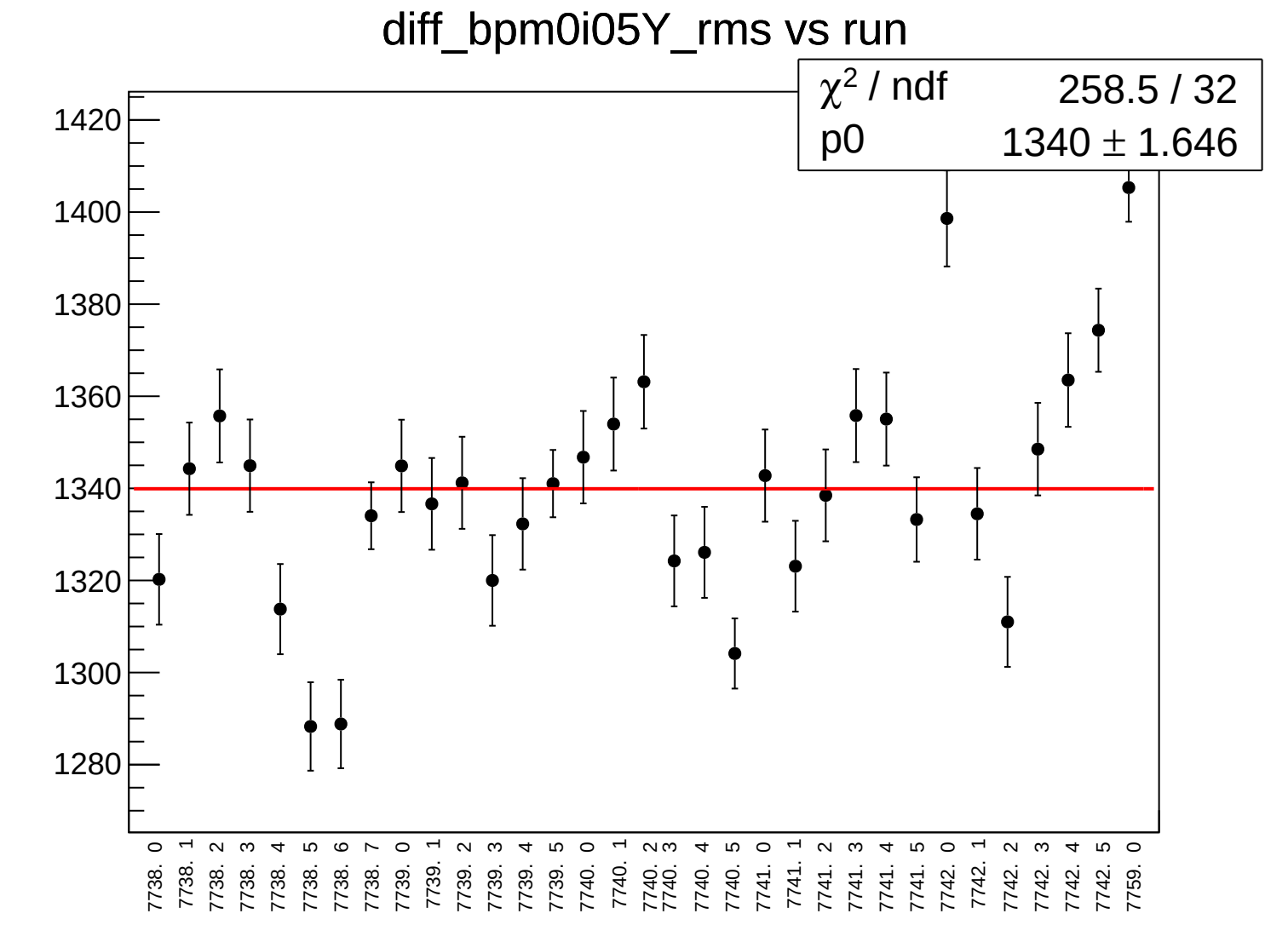

diff_bpm0i05X_mean vs run
χ² / ndf 34.19 / 32
p0 −46.04 ± 3.056
pull
Entries 33
Mean 150.4
Std Dev 0

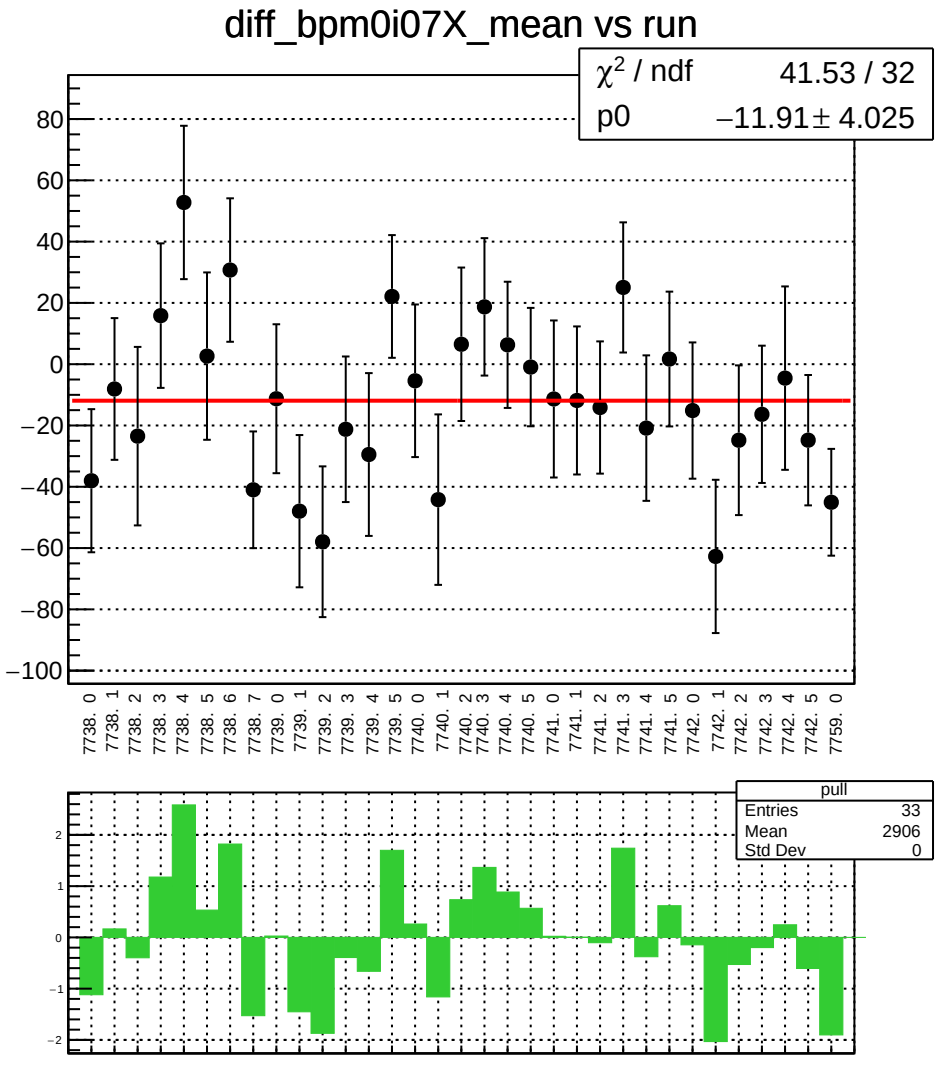

pull1D
Entries 33
Mean 0.00483
Std Dev 1.018

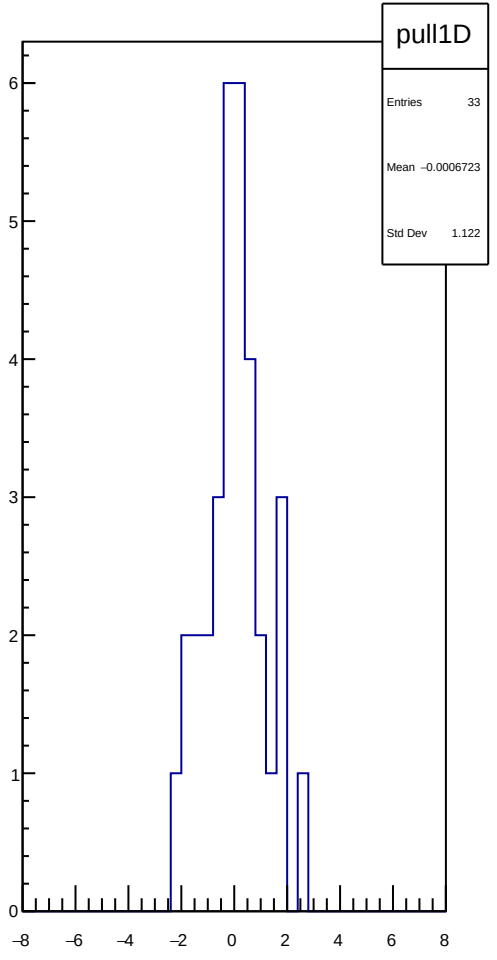

diff_bpm0i05X_rms vs run
χ² / ndf 896.5 / 32
p0 1758 ± 2.161
2100
2050
2000
1950
1900
1850
1800
1750
1700
1650
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

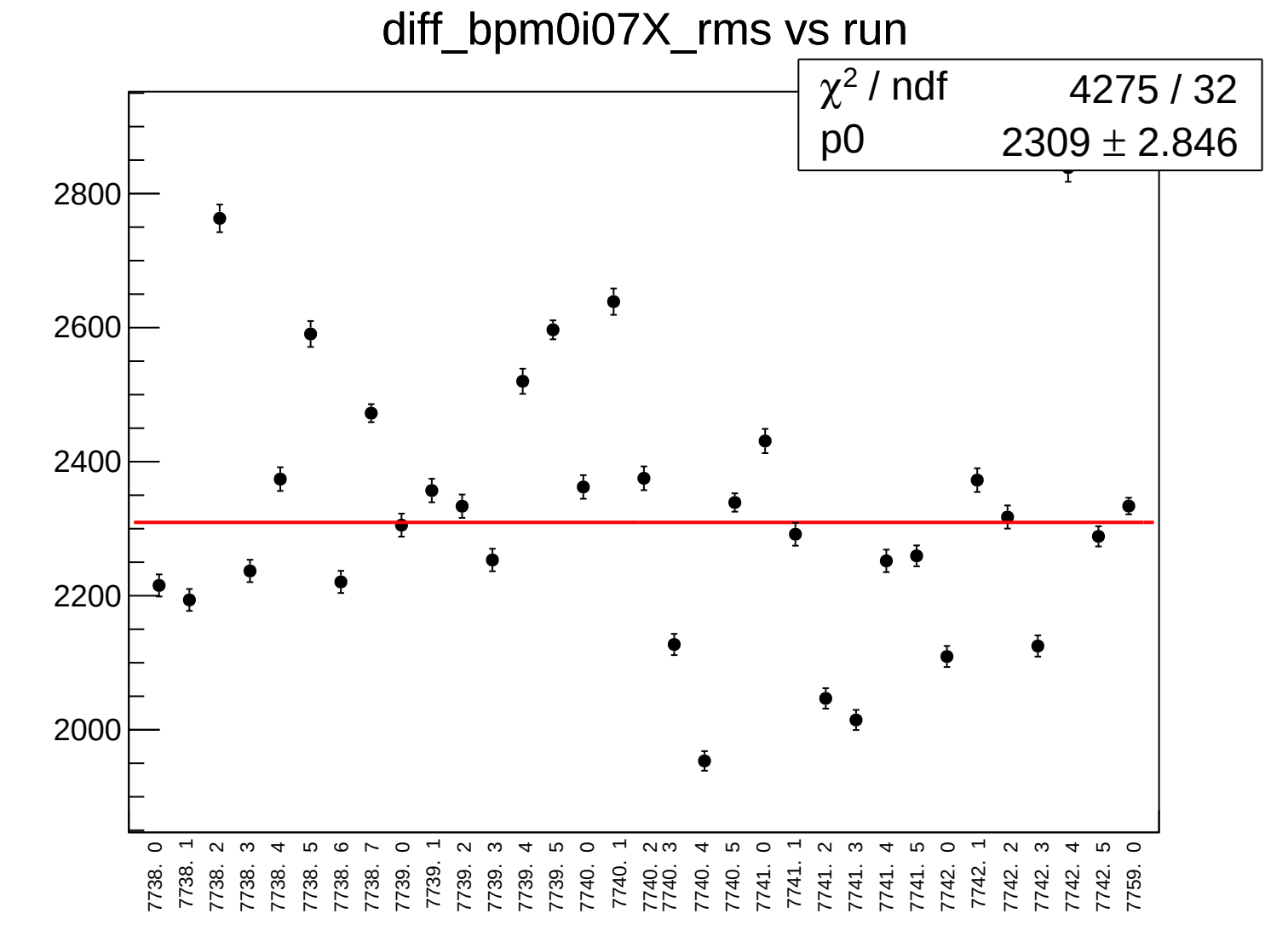

diff_bpm0i05Y_mean vs run
χ² / ndf 56.93 / 32
p0 34.8 ± 2.328
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −115.9
Std Dev 0
3
2
1
0
−1
−2

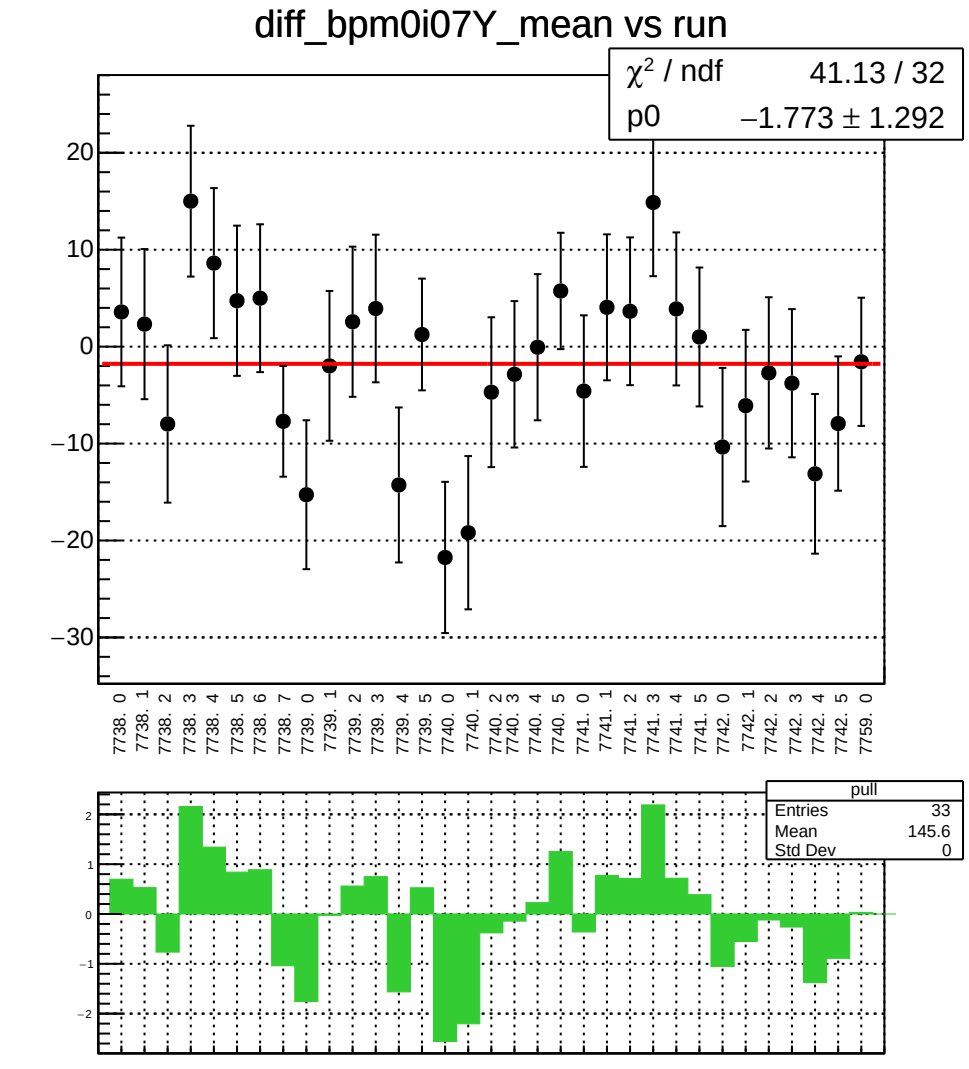

pull1D
Entries 33
Mean 0.02254
Std Dev 1.313
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

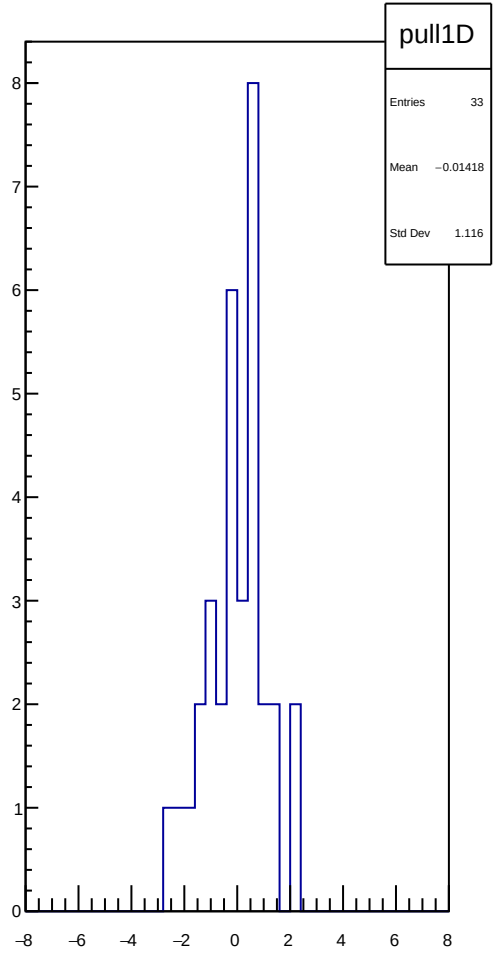

diff_bpm0i05Y_rms vs run
χ² / ndf 258.5 / 32
p0 1340 ± 1.646
1420
1400
1380
1360
1340
1320
1300
1280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

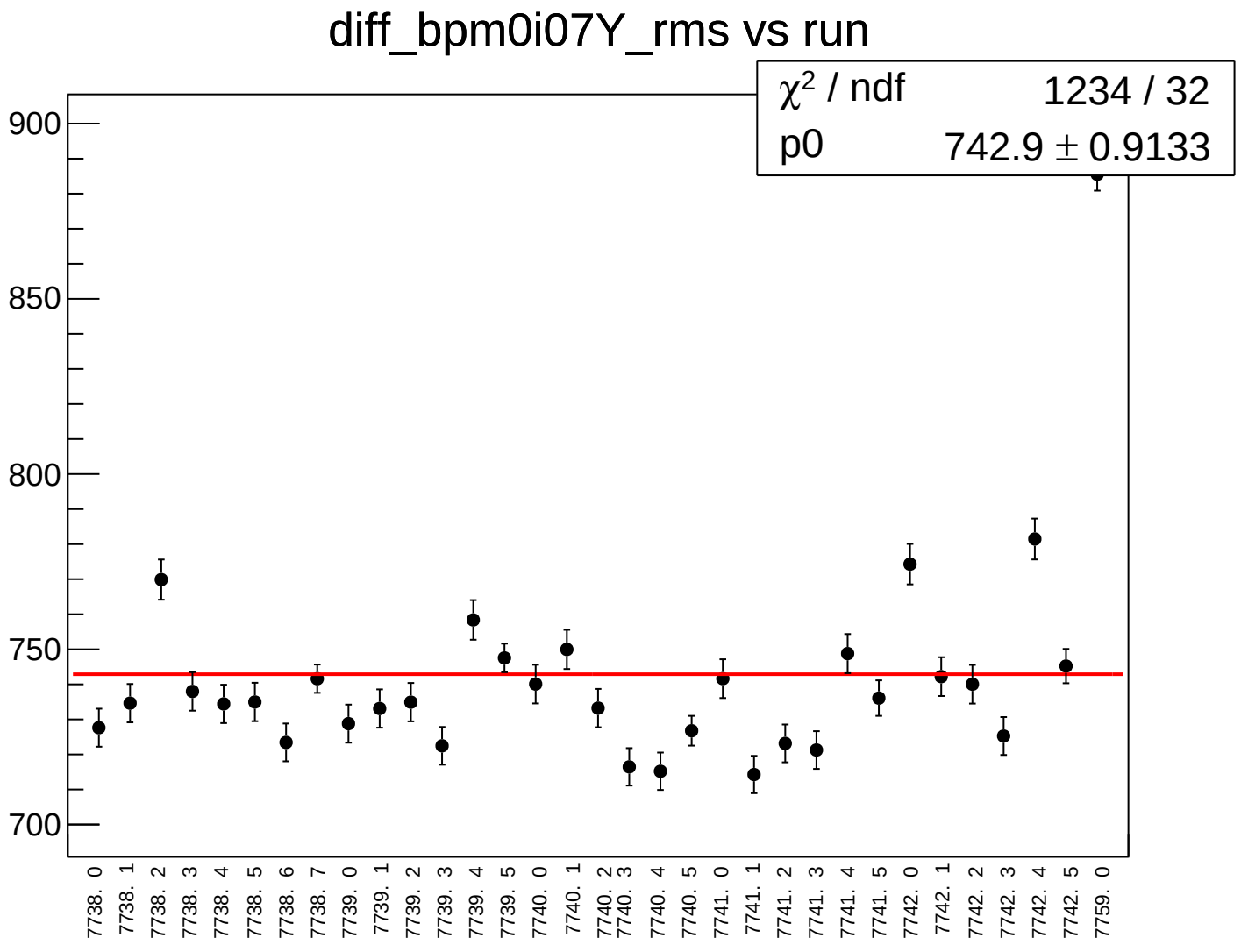

diff_bpm0i07X_mean vs run
χ² / ndf 41.53 / 32
p0 −11.91± 4.025
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2906
Std Dev 0
2
1
0
−1
−2

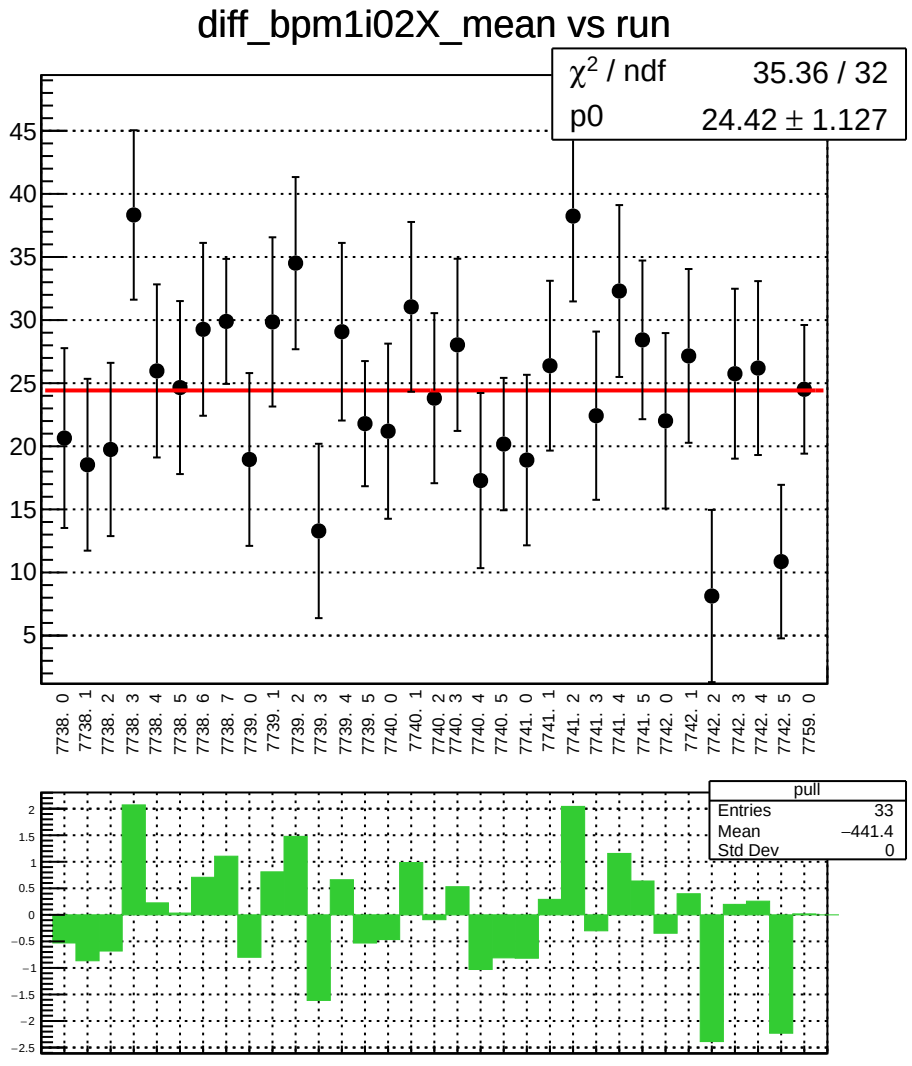

pull1D
Entries 33
Mean −0.0006723
Std Dev 1.122
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

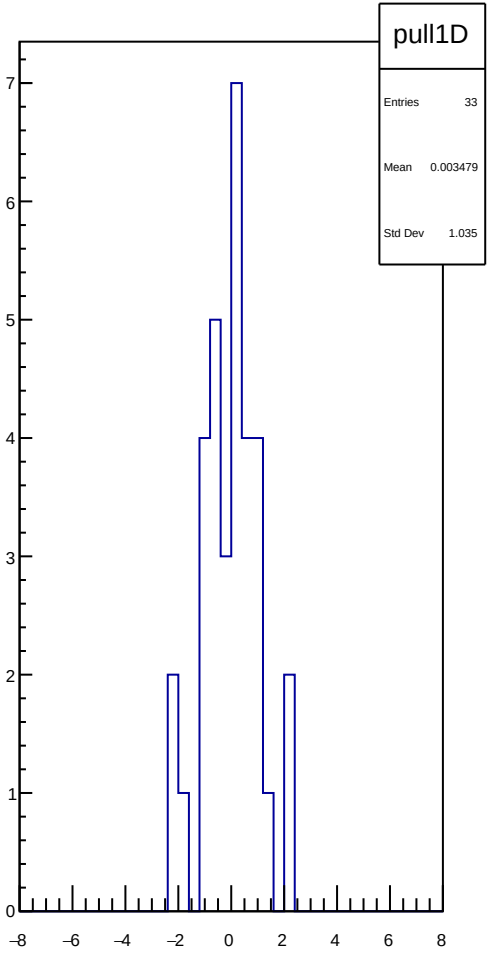

diff_bpm0i07X_rms vs run
χ² / ndf 4275 / 32
p0 2309 ± 2.846
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

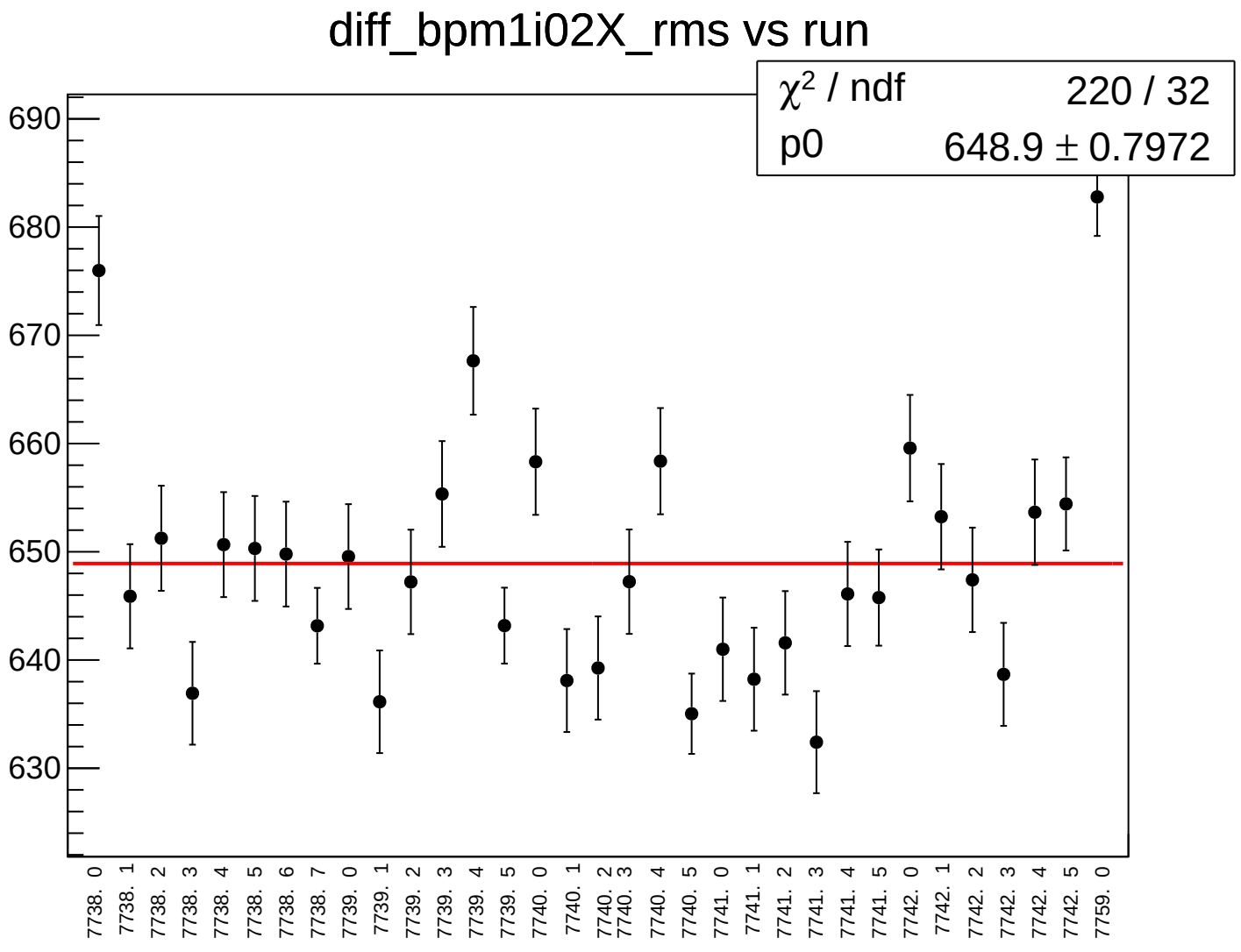

diff_bpm0i07Y_mean vs run
χ² / ndf 41.13 / 32
p0 −1.773 ± 1.292
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 145.6
Std Dev 0
2
1
0
−1
−2

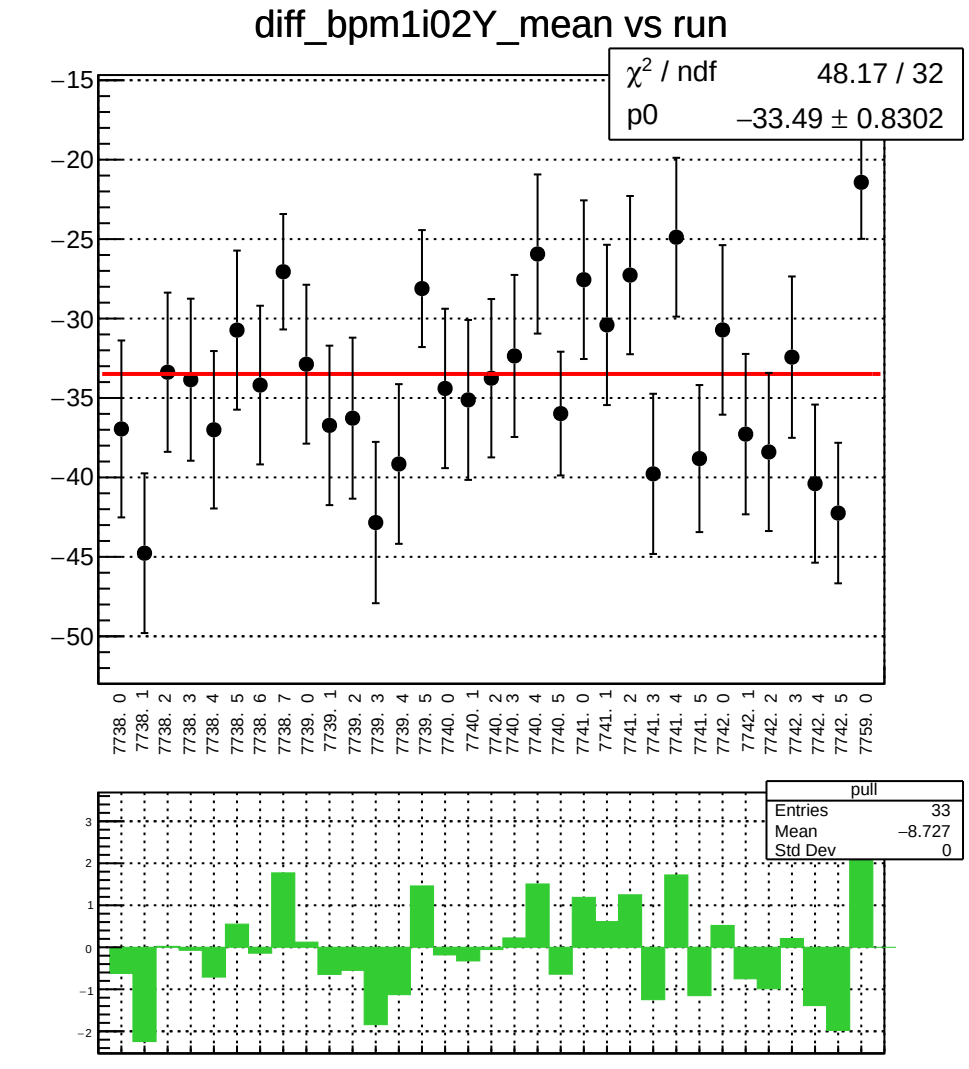

pull1D
Entries 33
Mean −0.01418
Std Dev 1.116
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

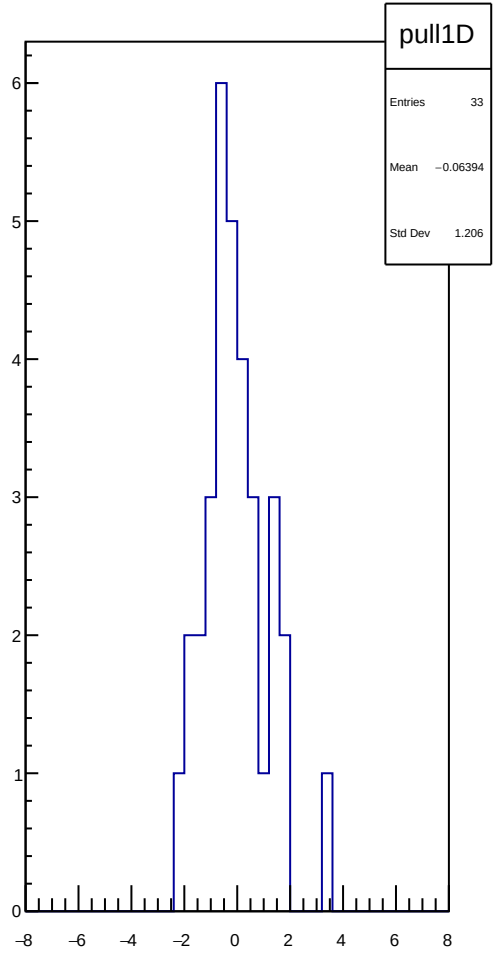

diff_bpm0i07Y_rms vs run
χ² / ndf 1234 / 32
p0 742.9 ± 0.9133
900
850
800
750
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

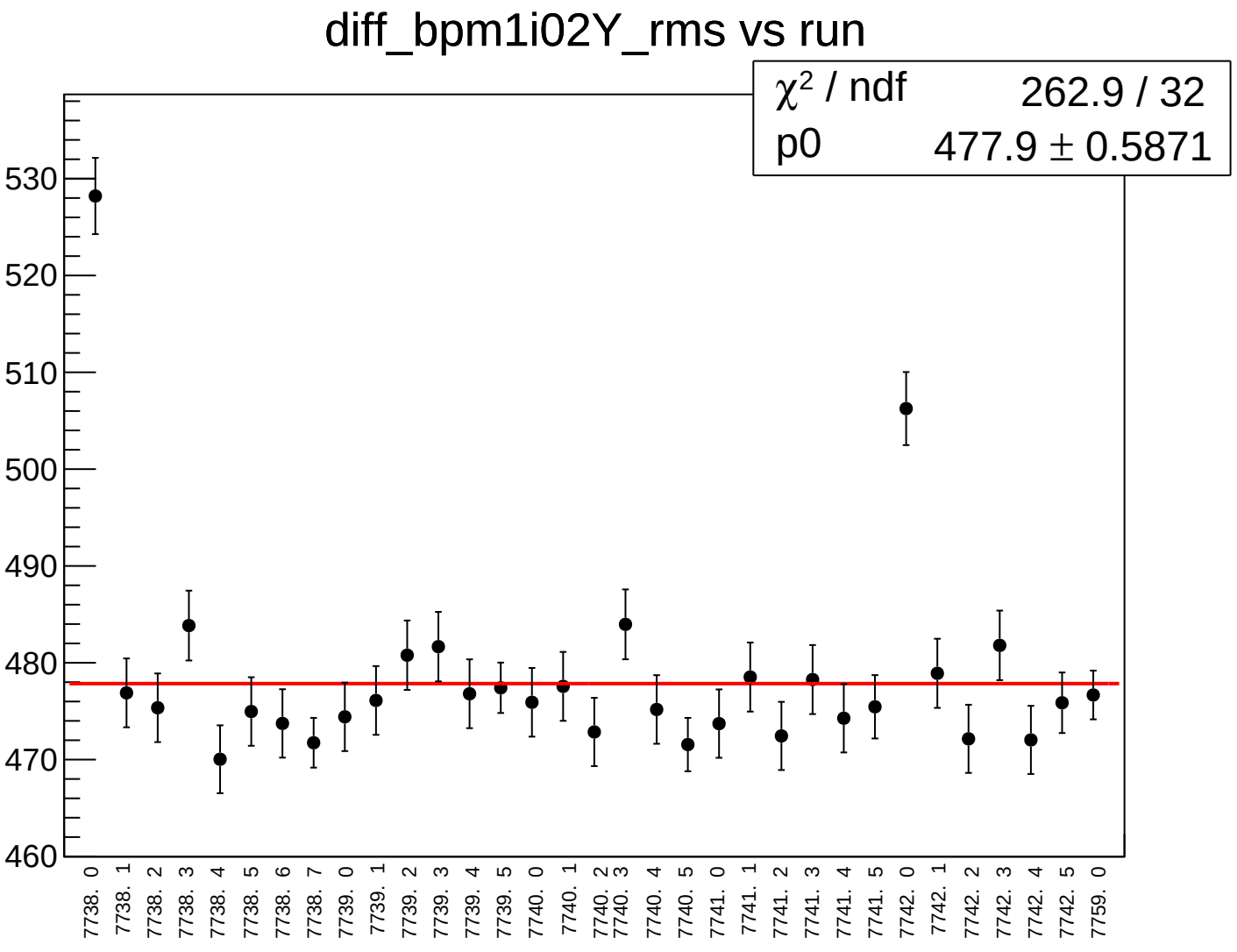

diff_bpm1i02X_mean vs run
χ² / ndf 35.36 / 32
p0 24.42 ± 1.127
pull
Entries 33
Mean −441.4
Std Dev 0

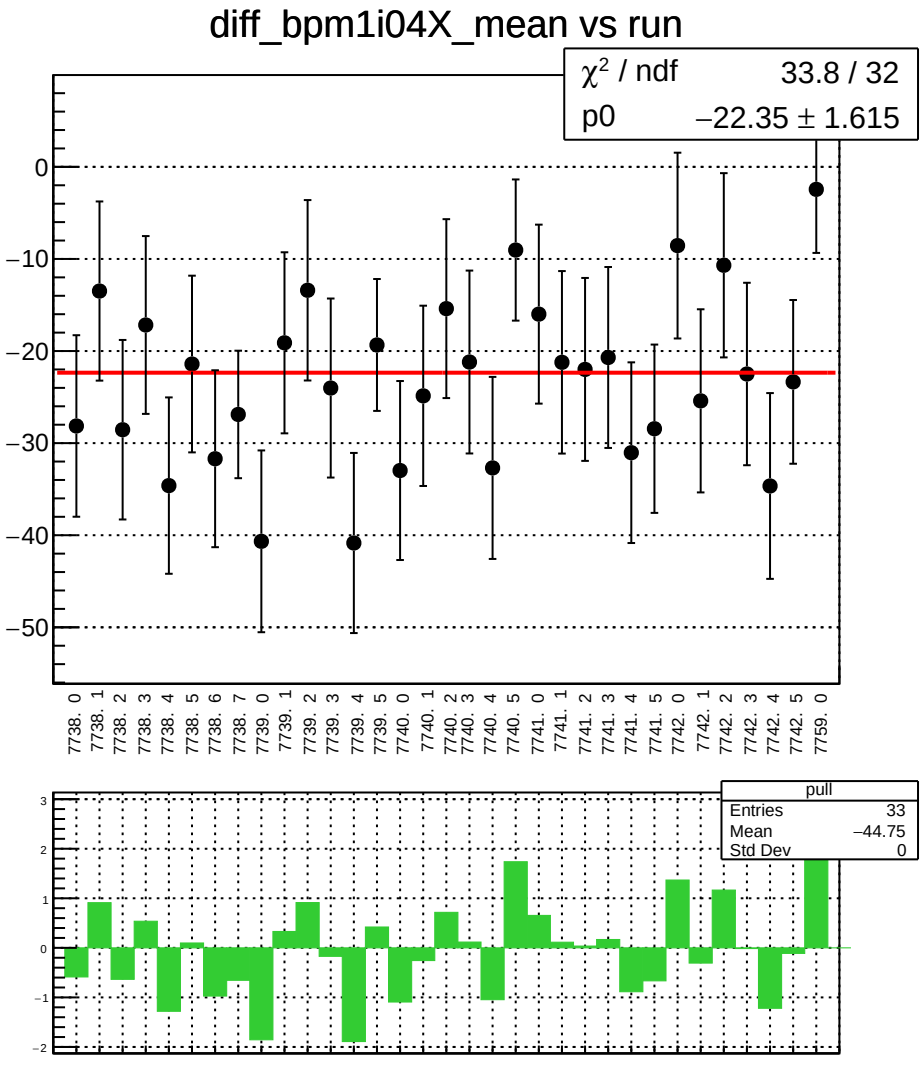

pull1D
Entries 33
Mean 0.003479
Std Dev 1.035

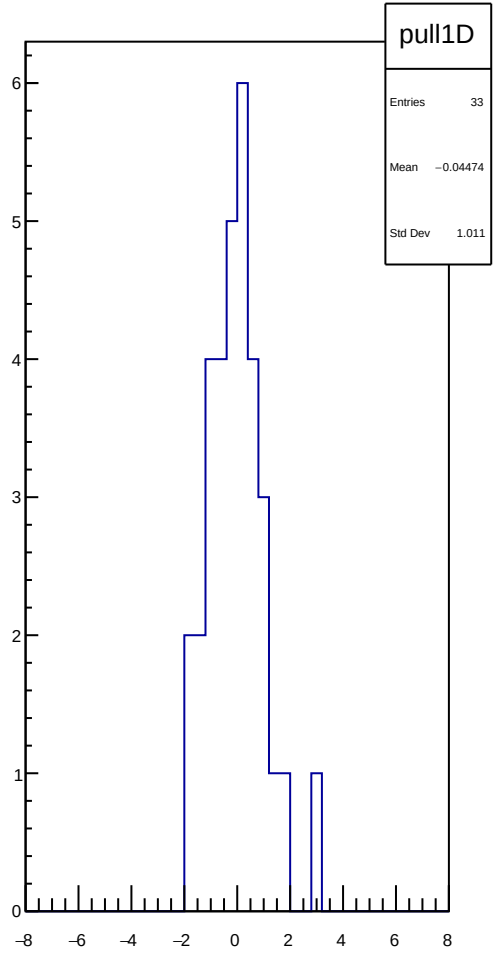

diff_bpm1i02X_rms vs run
χ² / ndf 220 / 32
p0 648.9 ± 0.7972
690
680
670
660
650
640
630
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

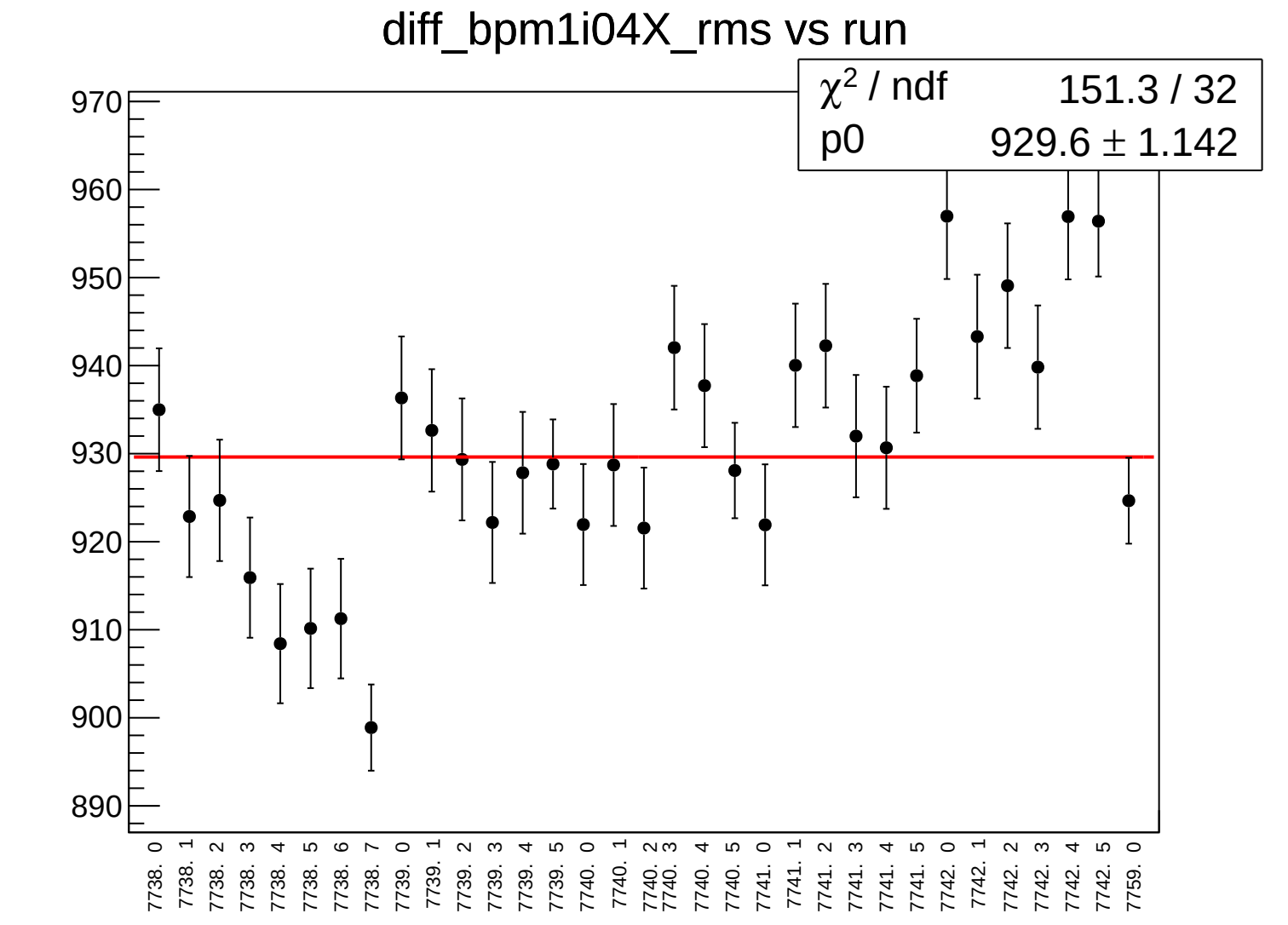

diff_bpm1i02Y_mean vs run
χ² / ndf 48.17 / 32
p0 −33.49 ± 0.8302
−15
−20
−25
−30
−35
−40
−45
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.727
Std Dev 0
3
2
1
0
−1
−2

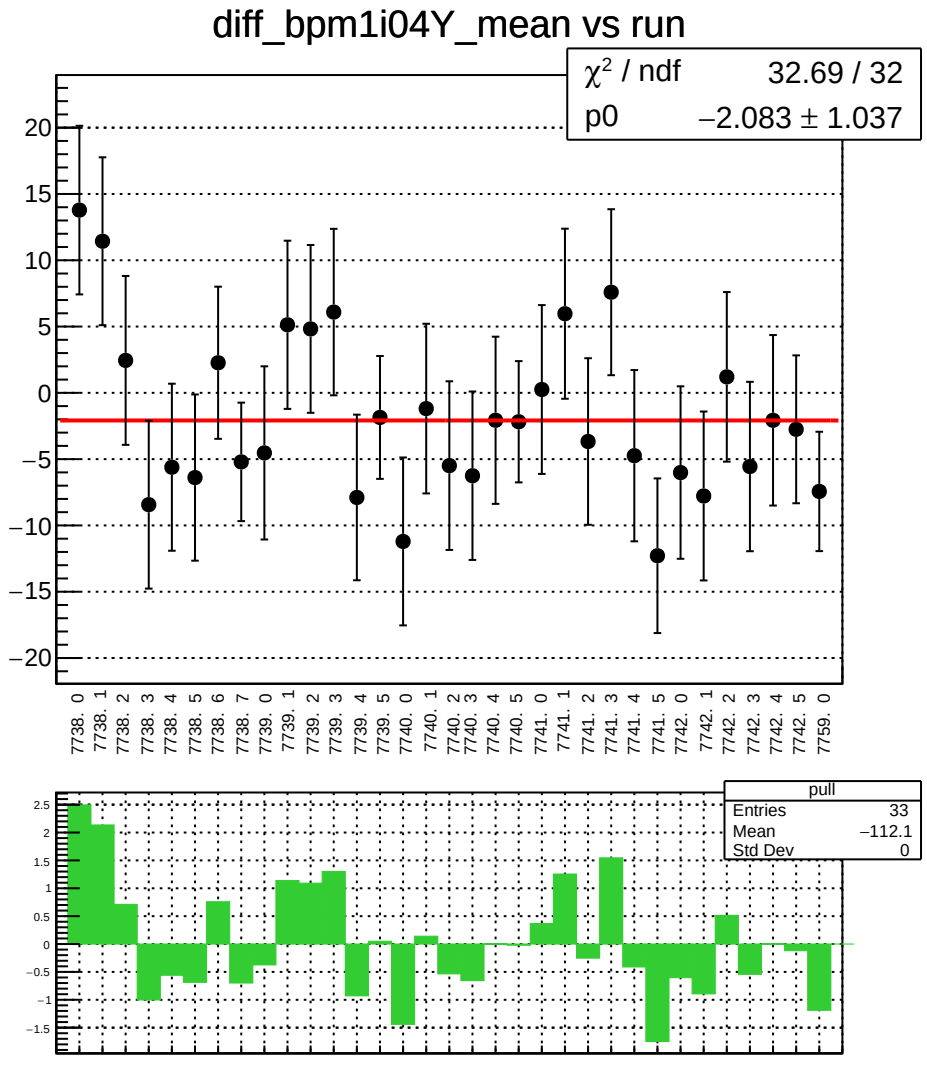

pull1D
Entries 33
Mean −0.06394
Std Dev 1.206
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

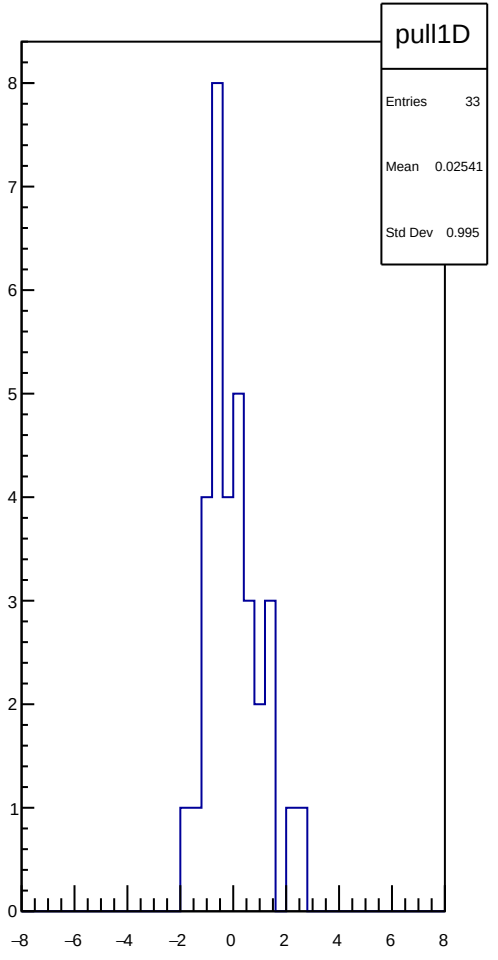

diff_bpm1i02Y_rms vs run
χ² / ndf 262.9 / 32
p0 477.9 ± 0.5871
530
520
510
500
490
480
470
460
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

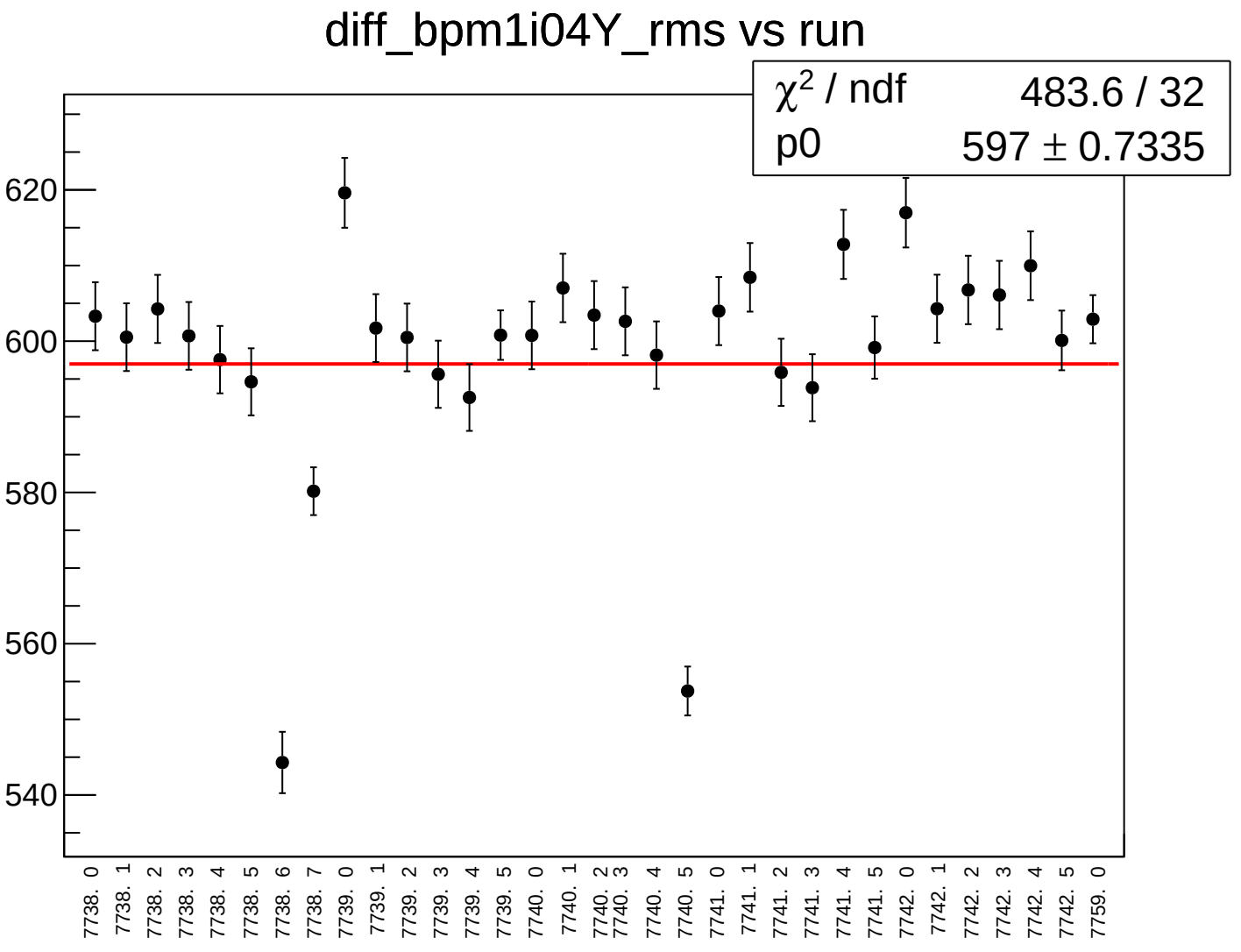

diff_bpm1i04X_mean vs run
χ² / ndf 33.8 / 32
p0 −22.35 ± 1.615
0
−10
−20
−30
−40
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.75
Std Dev 0
3
2
1
0
−1
−2

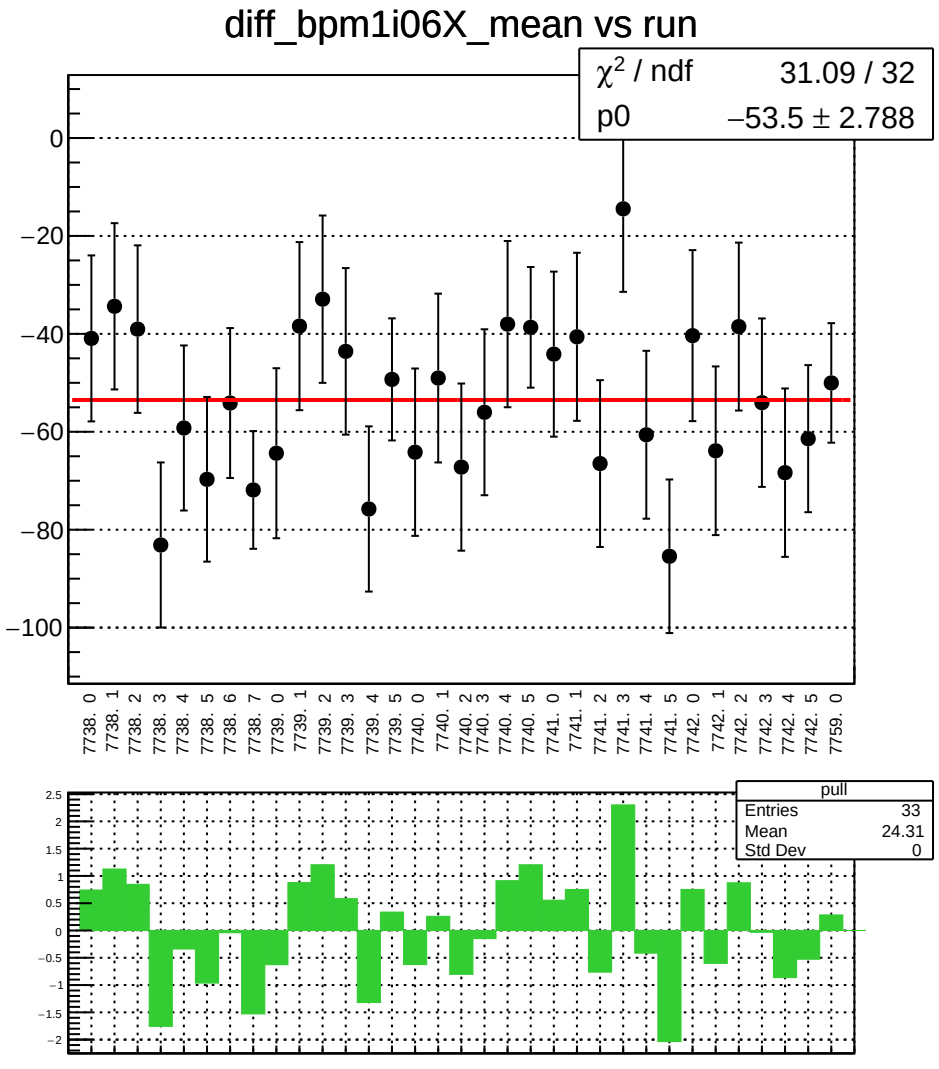

pull1D
Entries 33
Mean −0.04474
Std Dev 1.011
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

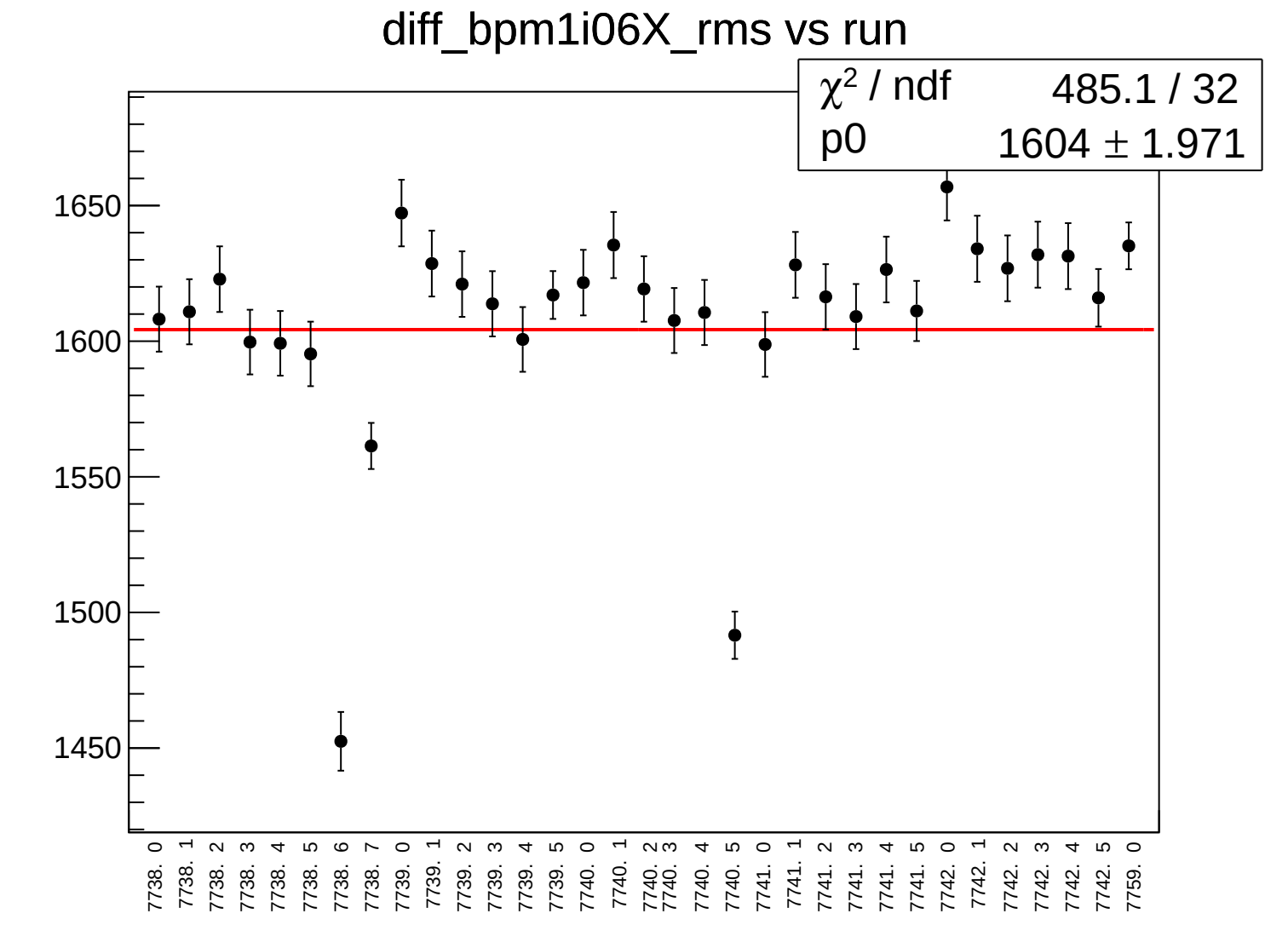

diff_bpm1i04X_rms vs run
χ² / ndf 151.3 / 32
p0 929.6 ± 1.142
970
960
950
940
930
920
910
900
890
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

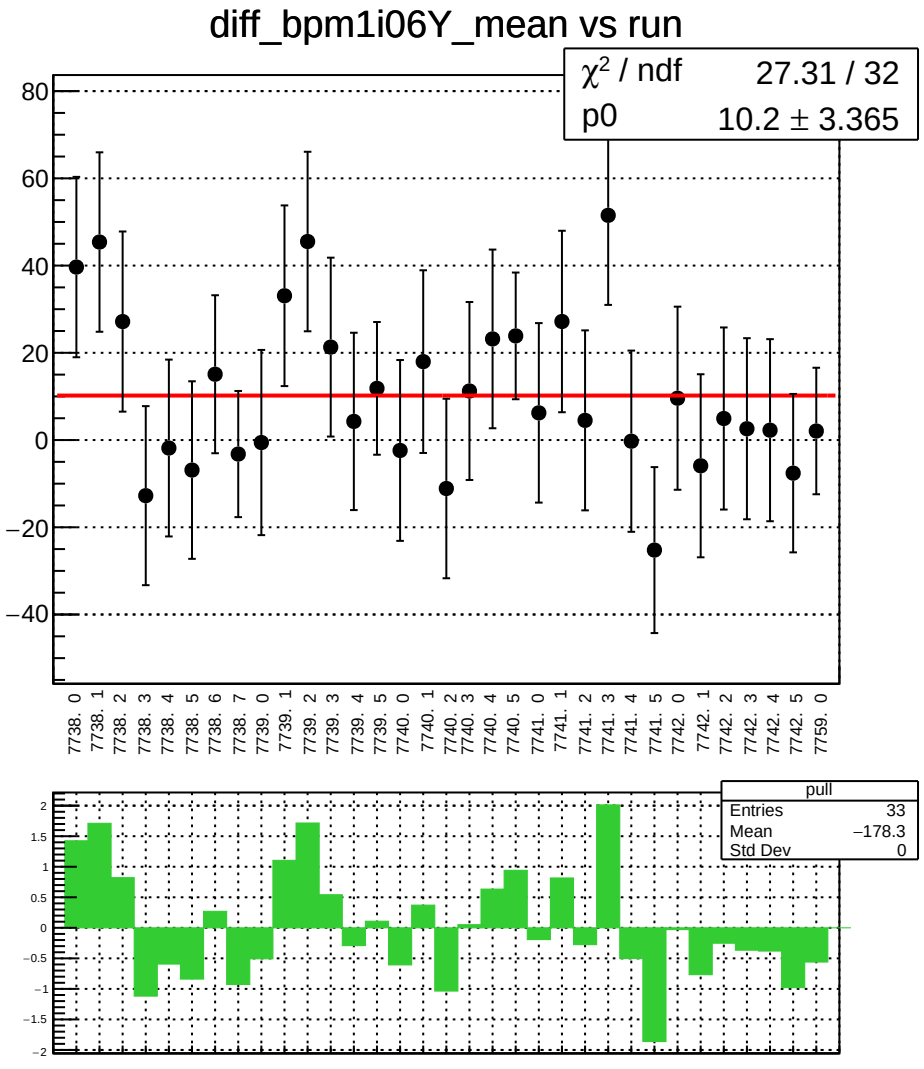

diff_bpm1i04Y_mean vs run
χ² / ndf 32.69 / 32
p0 −2.083 ± 1.037
20
15
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −112.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

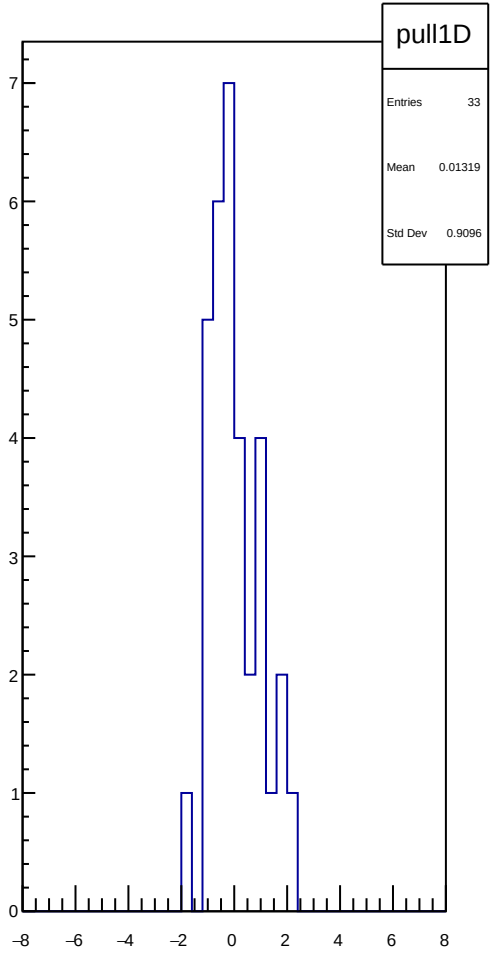

pull1D
Entries 33
Mean 0.02541
Std Dev 0.995
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

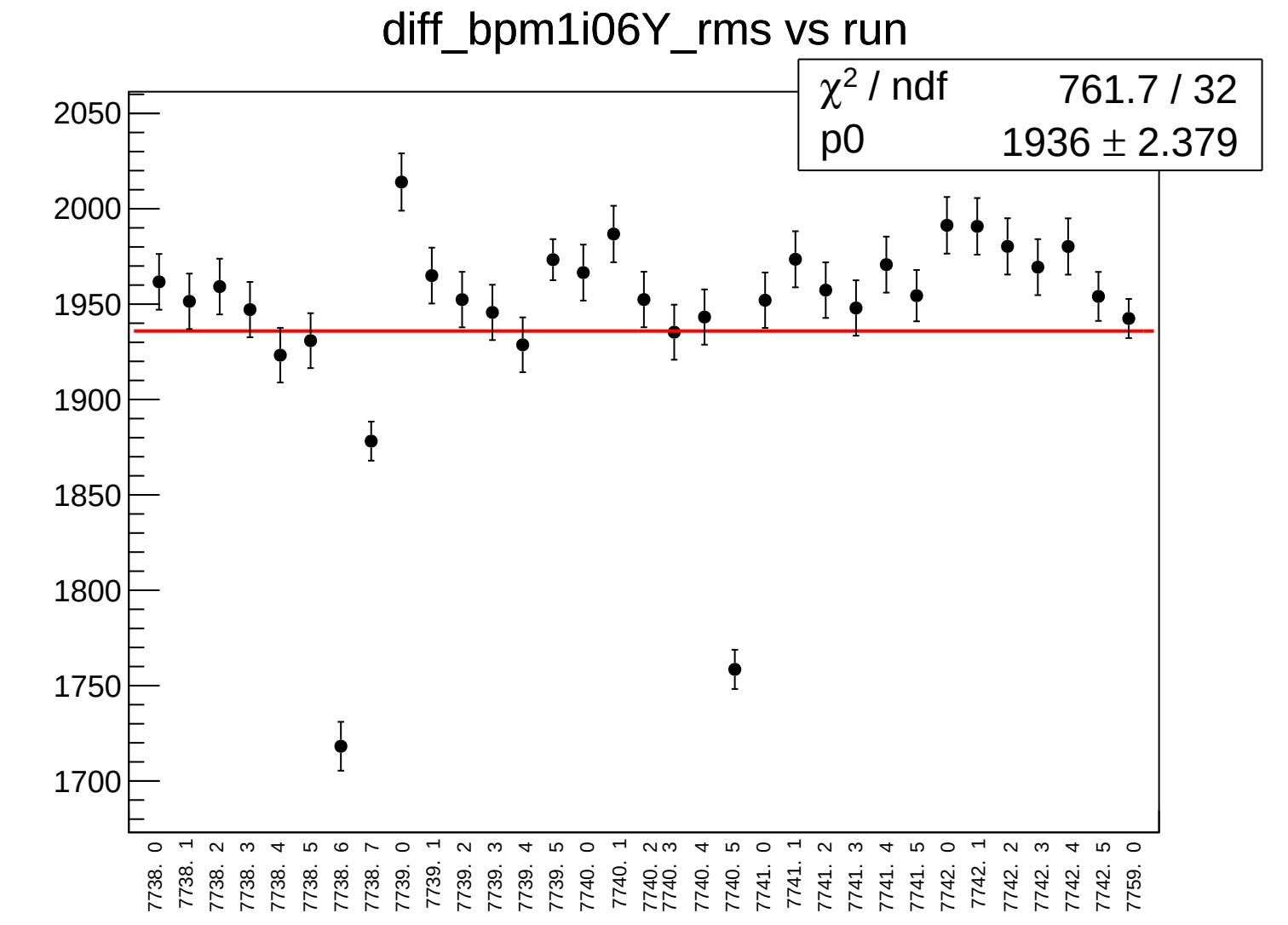

diff_bpm1i04Y_rms vs run
χ² / ndf 483.6 / 32
p0 597 ± 0.7335
620
600
580
560
540
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

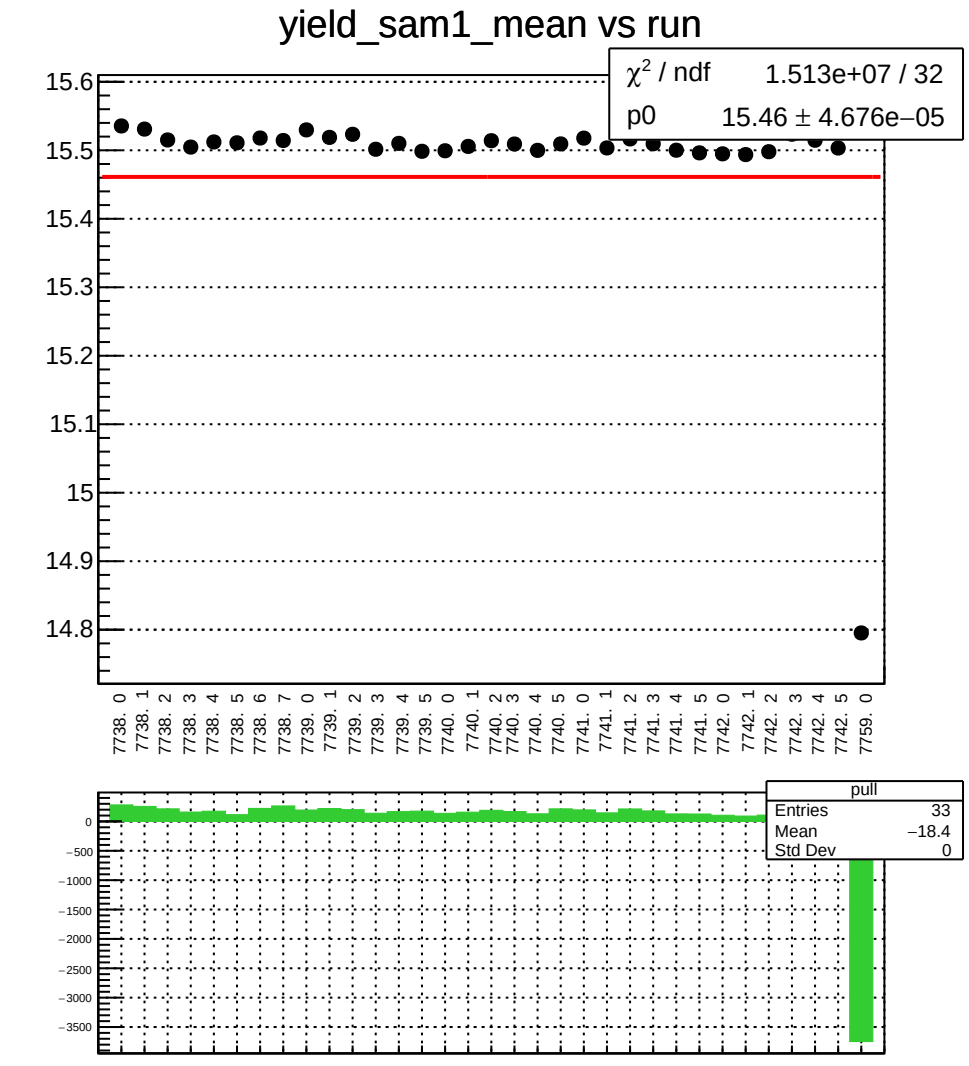

diff_bpm1i06X_mean vs run
χ² / ndf 31.09 / 32
p0 −53.5 ± 2.788
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 24.31
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.00681
Std Dev 0.9705
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

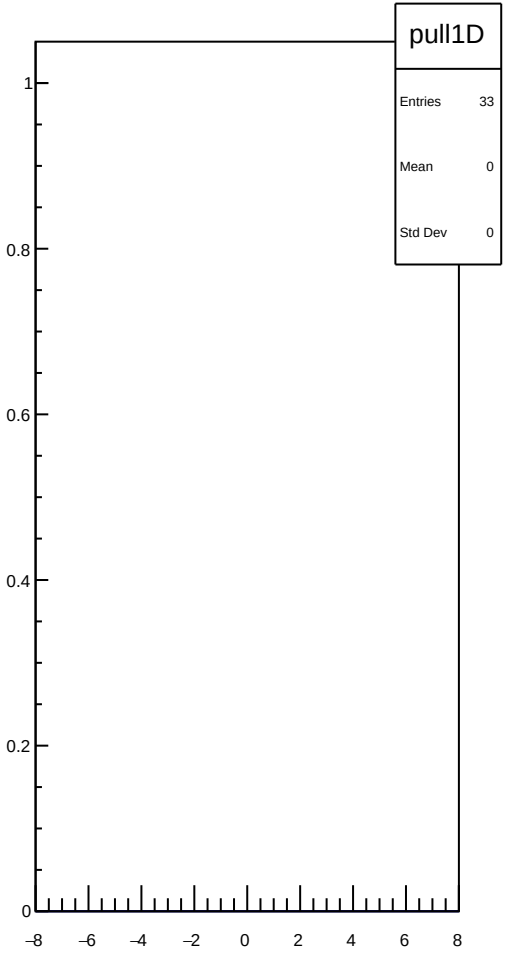

diff_bpm1i06X_rms vs run
χ² / ndf 485.1 / 32
p0 1604 ± 1.971
1650
1600
1550
1500
1450
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

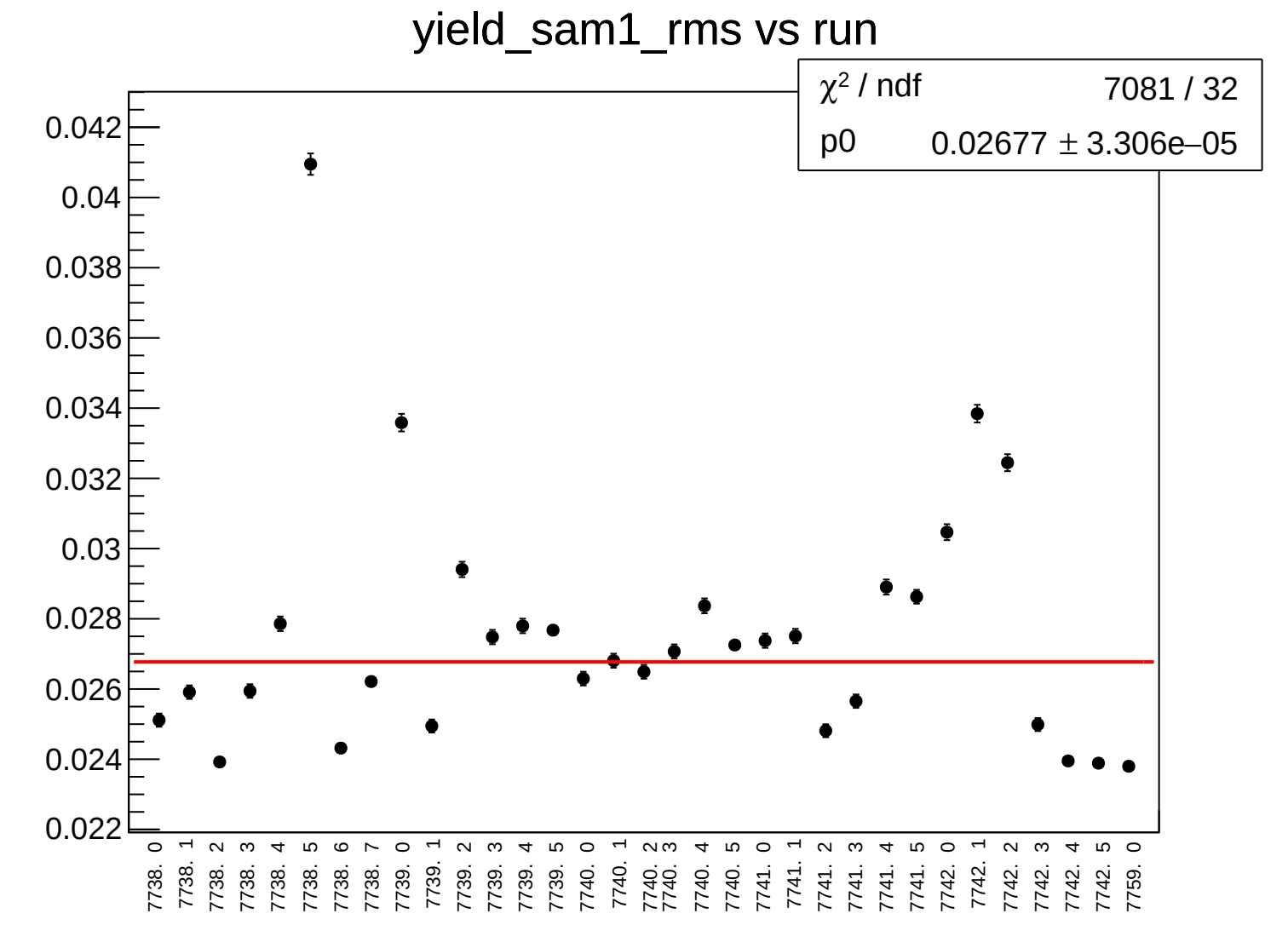

diff_bpm1i06Y_mean vs run
χ² / ndf 27.31 / 32
p0 10.2 ± 3.365
80
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −178.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

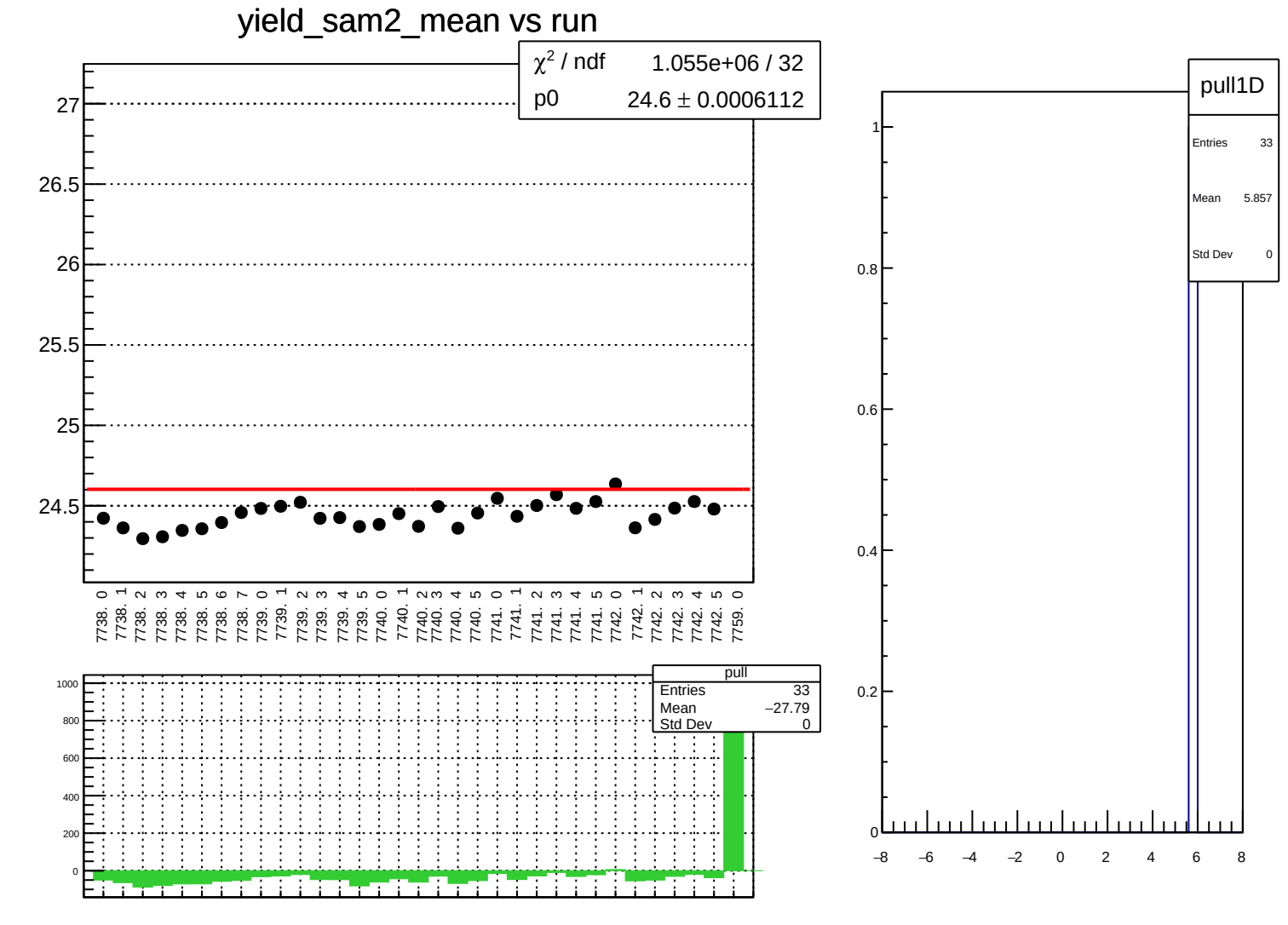

pull1D
Entries 33
Mean 0.01319
Std Dev 0.9096
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

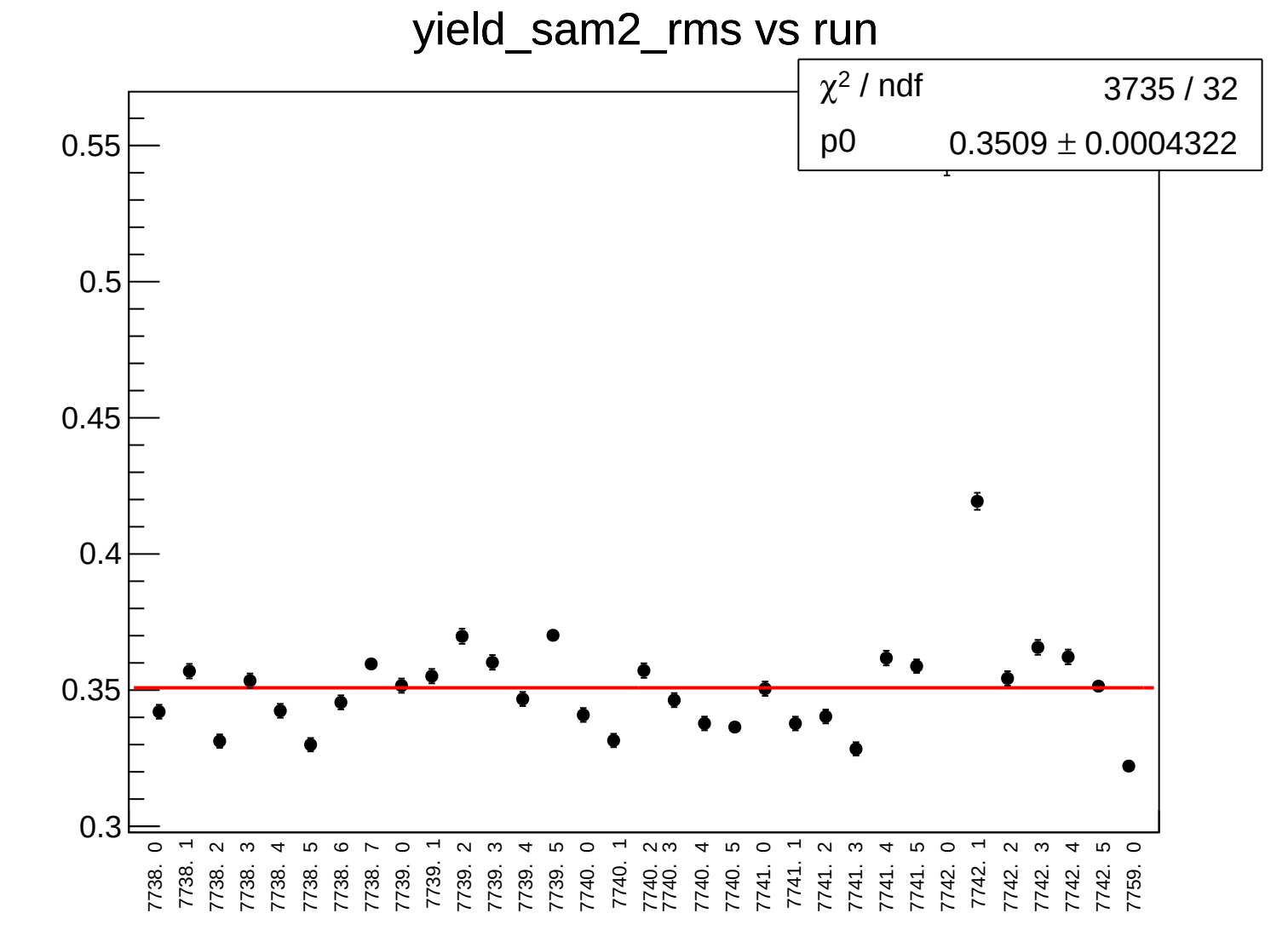

diff_bpm1i06Y_rms vs run
χ² / ndf 761.7 / 32
p0 1936 ± 2.379
2050
2000
1950
1900
1850
1800
1750
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

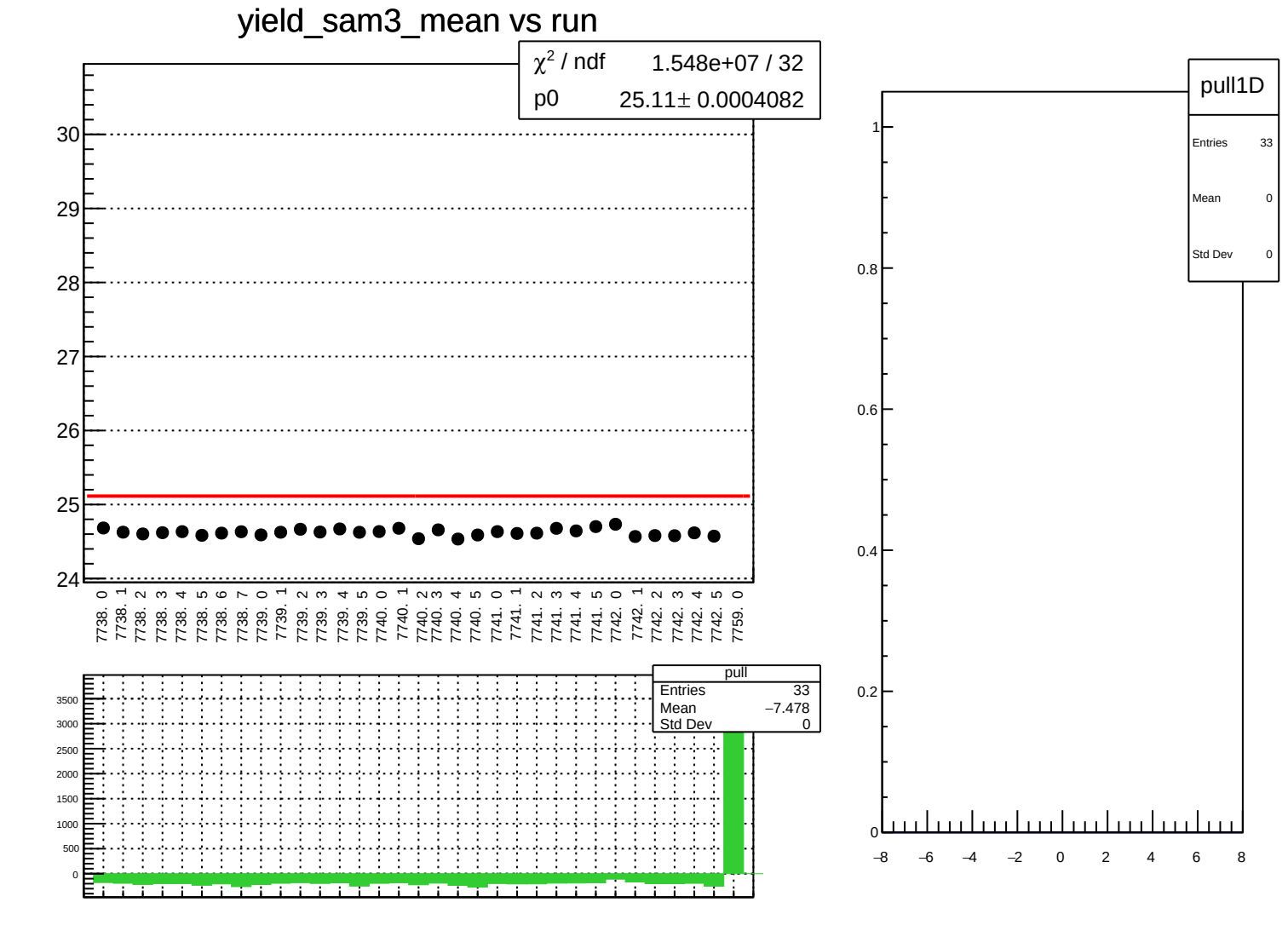

yield_sam1_mean vs run
χ² / ndf 1.513e+07 / 32
p0 15.46 ± 4.676e−05
15.6
15.5
15.4
15.3
15.2
15.1
15
14.9
14.8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.4
Std Dev 0
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

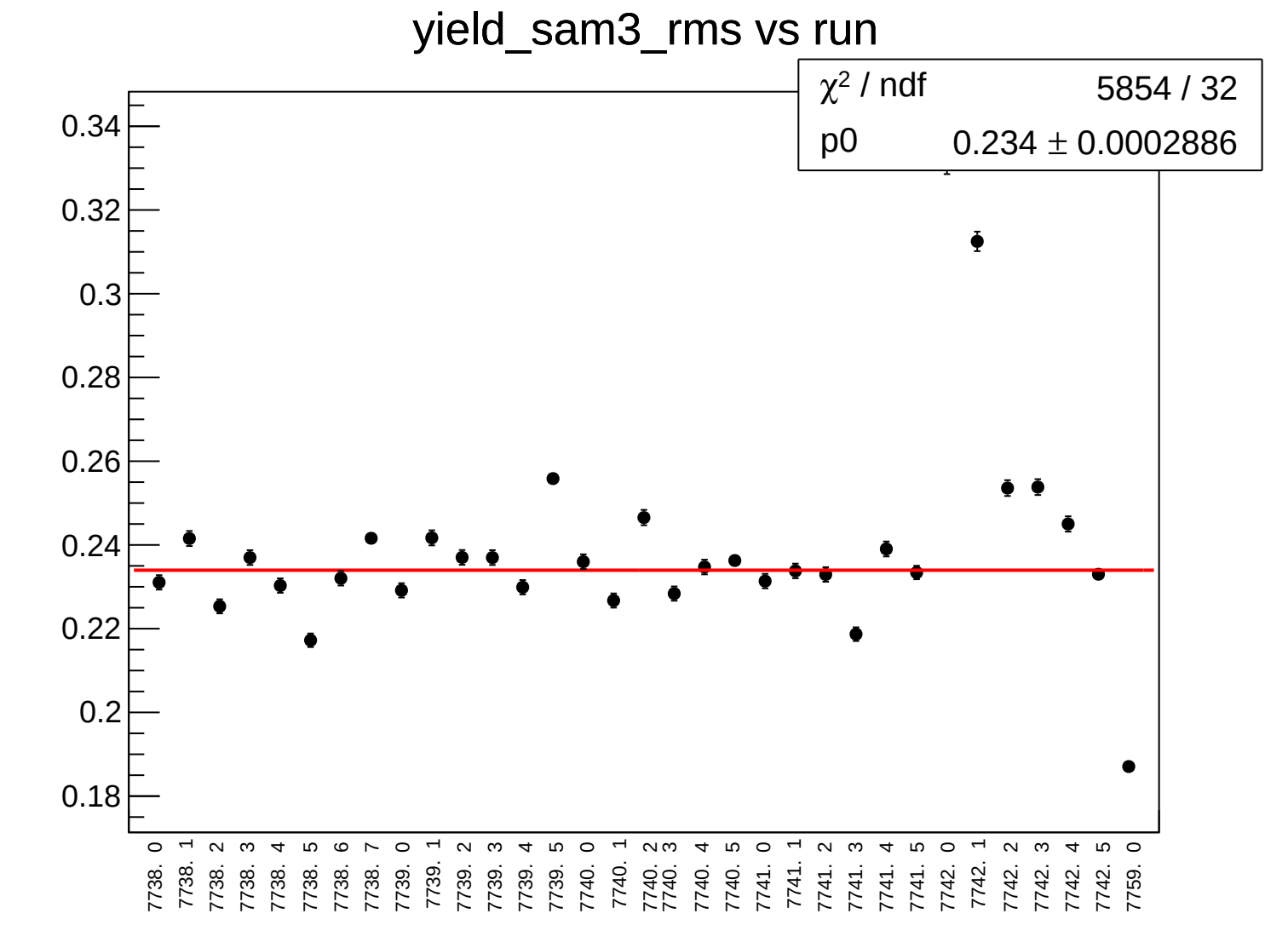

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

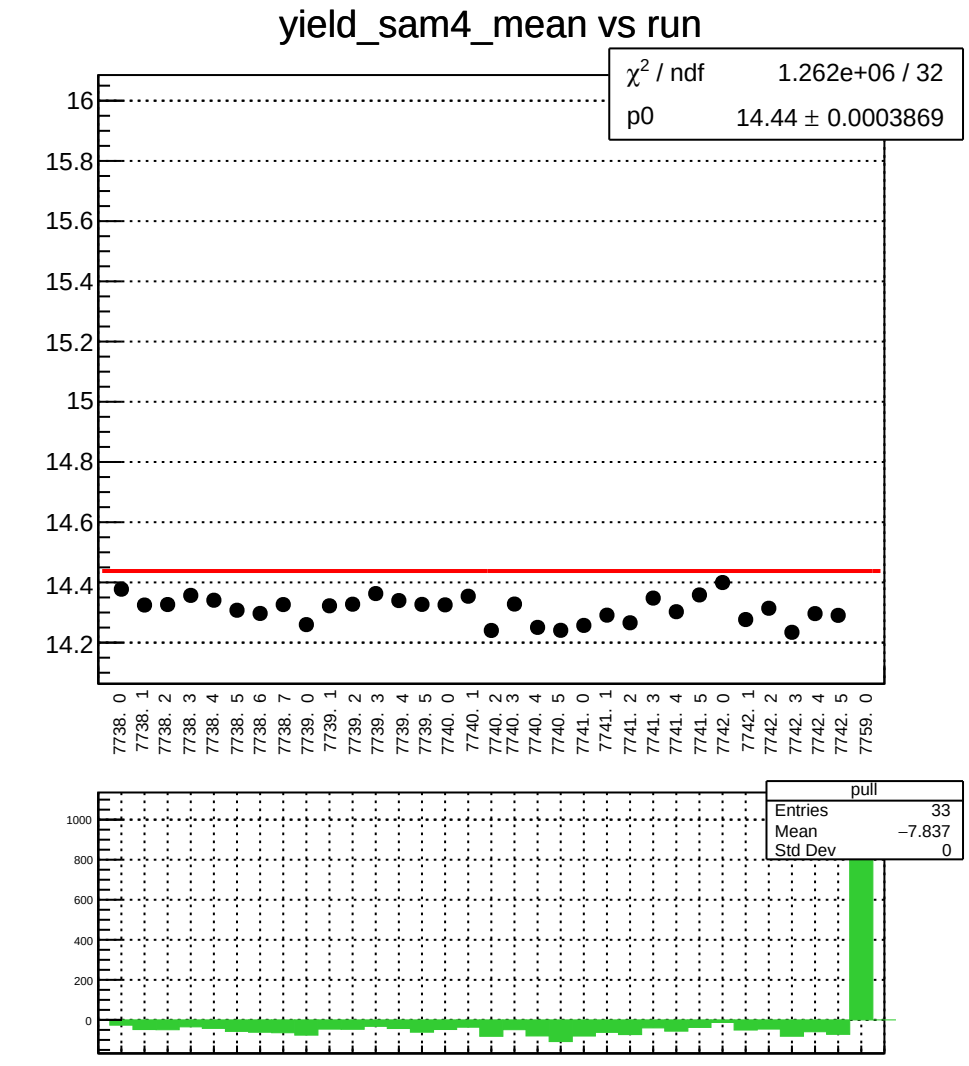

yield_sam1_rms vs run
χ² / ndf 7081 / 32
p0 0.02677 ± 3.306e–05
0.042
0.04
0.038
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

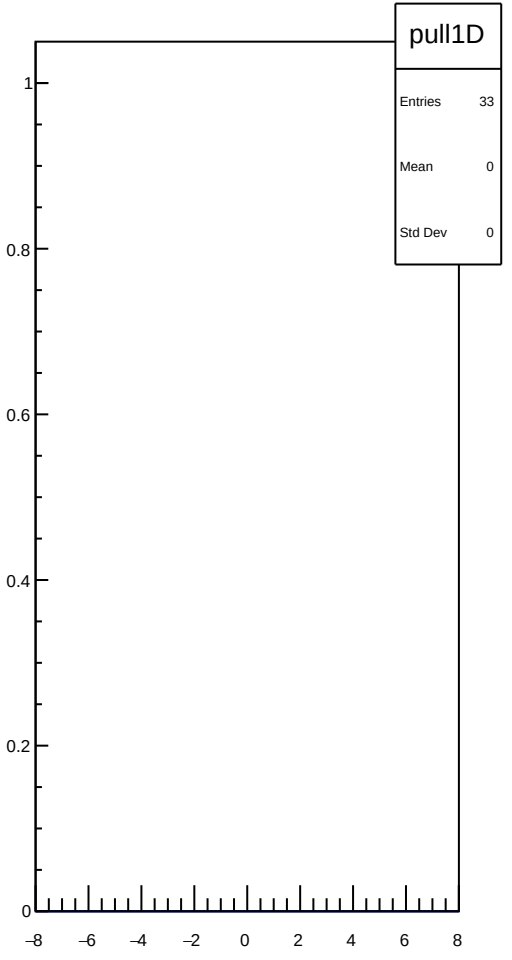

yield_sam2_mean vs run
χ² / ndf 1.055e+06 / 32
p0 24.6 ± 0.0006112
27
26.5
26
25.5
25
24.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.79
Std Dev 0
1000
800
600
400
200
0
pull1D
Entries 33
Mean 5.857
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

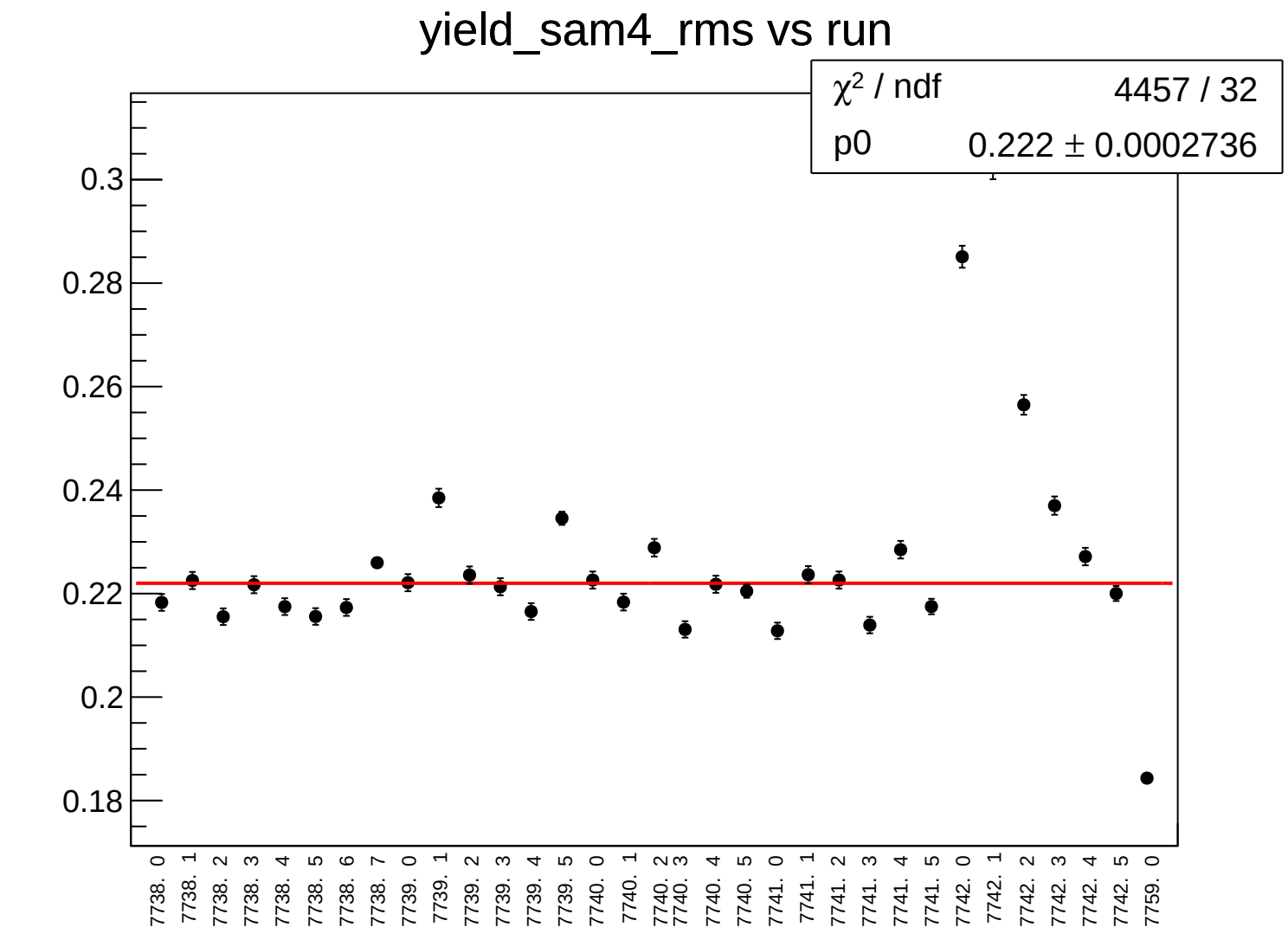

yield_sam2_rms vs run
χ² / ndf 3735 / 32
p0 0.3509 ± 0.0004322
0.55
0.5
0.45
0.4
0.35
0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

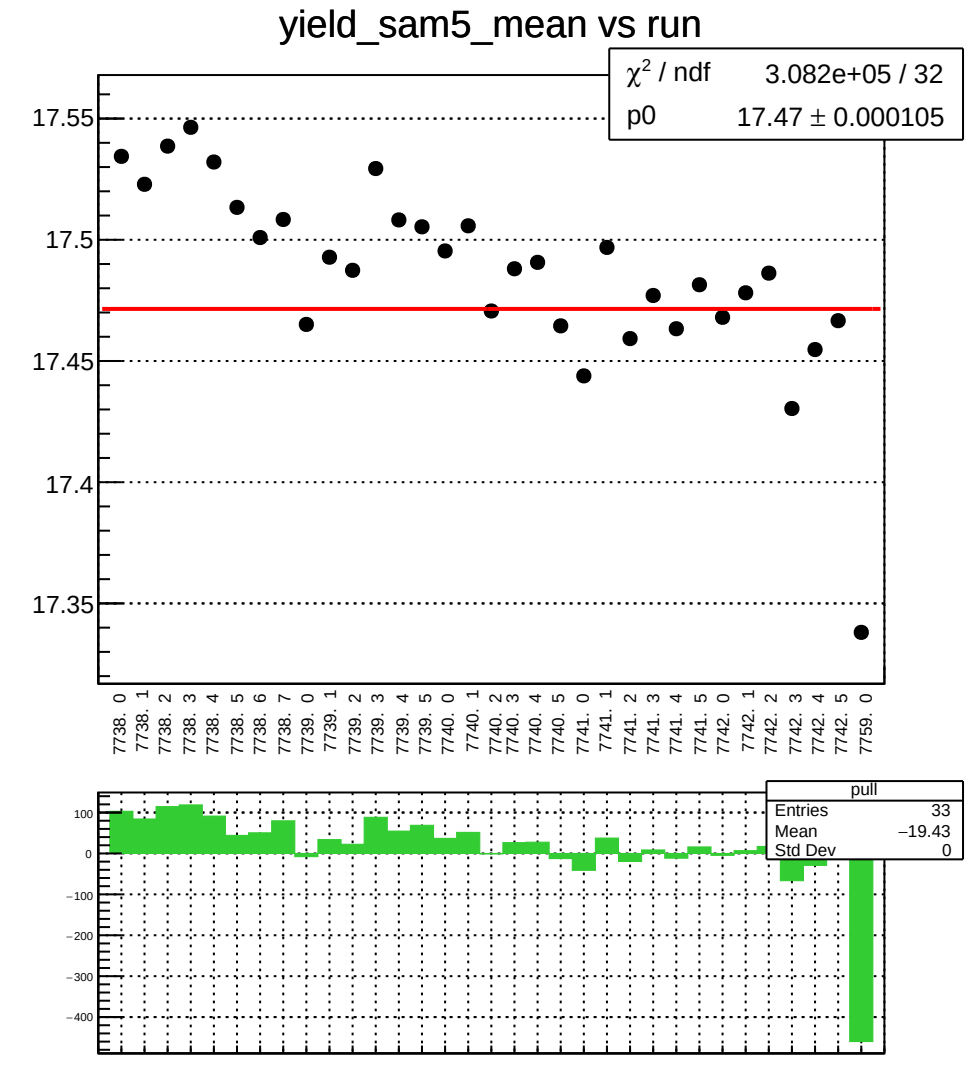

yield_sam3_mean vs run
χ² / ndf 1.548e+07 / 32
p0 25.11± 0.0004082
30
29
28
27
26
25
24
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.478
Std Dev 0
3500
3000
2500
2000
1500
1000
500
0
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

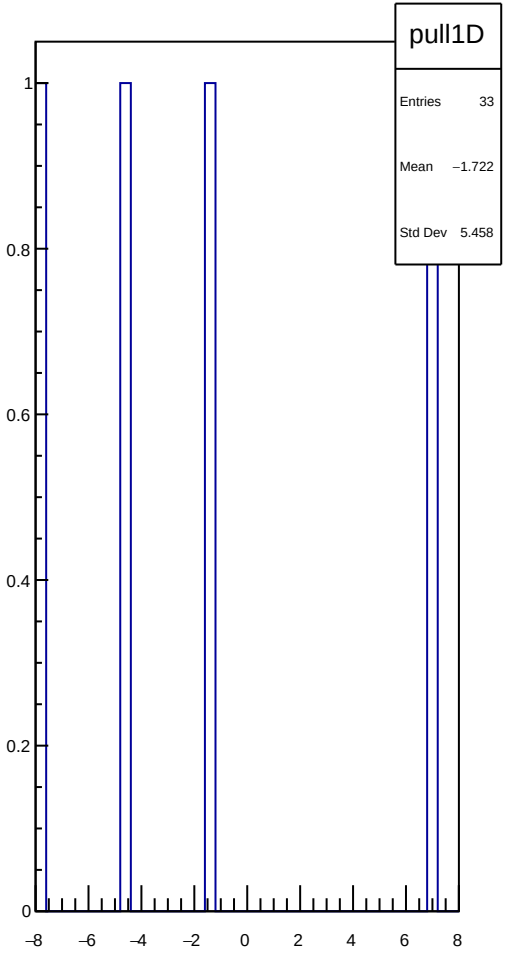

yield_sam3_rms vs run
χ² / ndf 5854 / 32
p0 0.234 ± 0.0002886
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

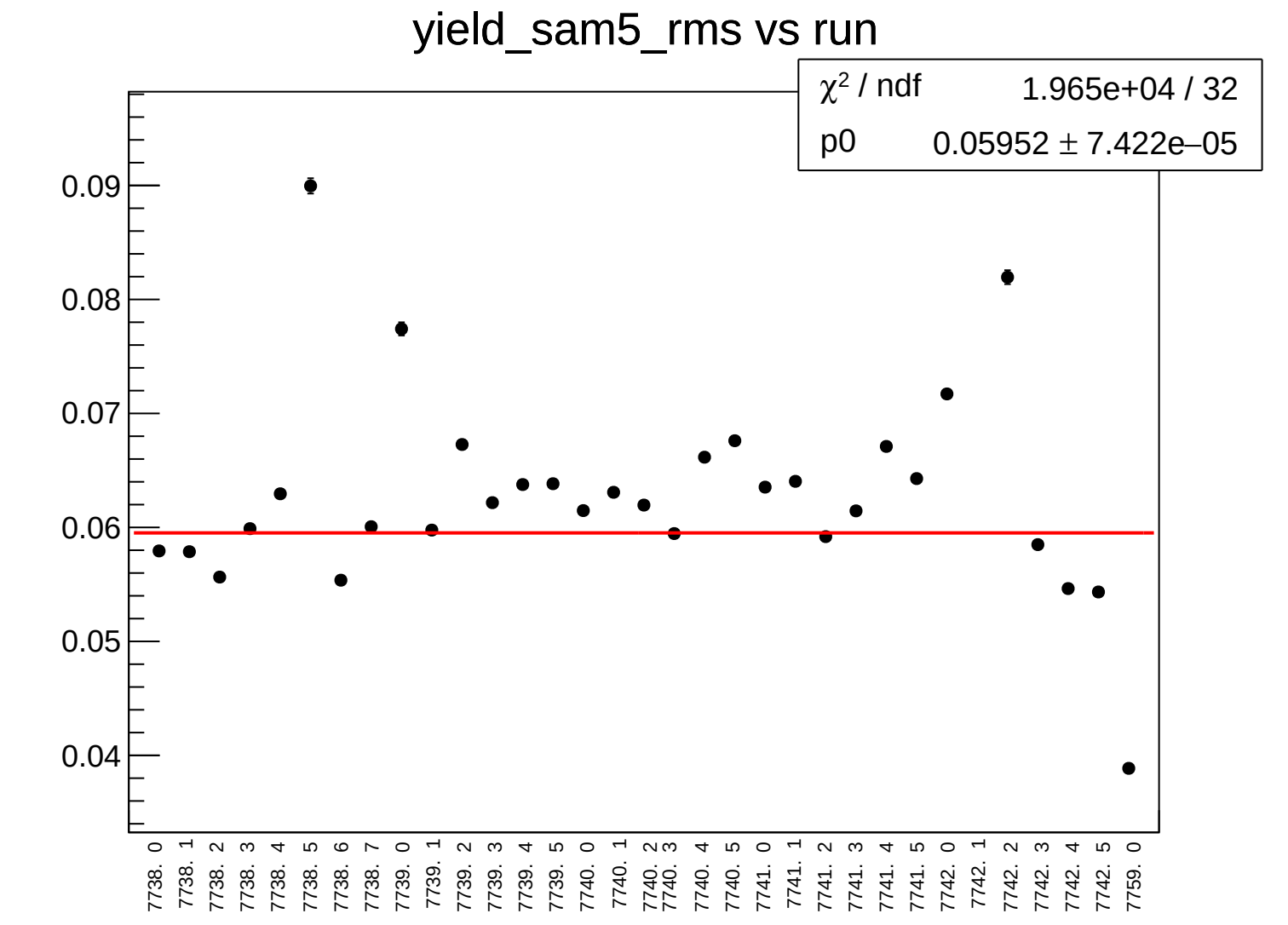

yield_sam4_mean vs run
χ² / ndf 1.262e+06 / 32
p0 14.44 ± 0.0003869
16
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.837
Std Dev 0
1000
800
600
400
200
0

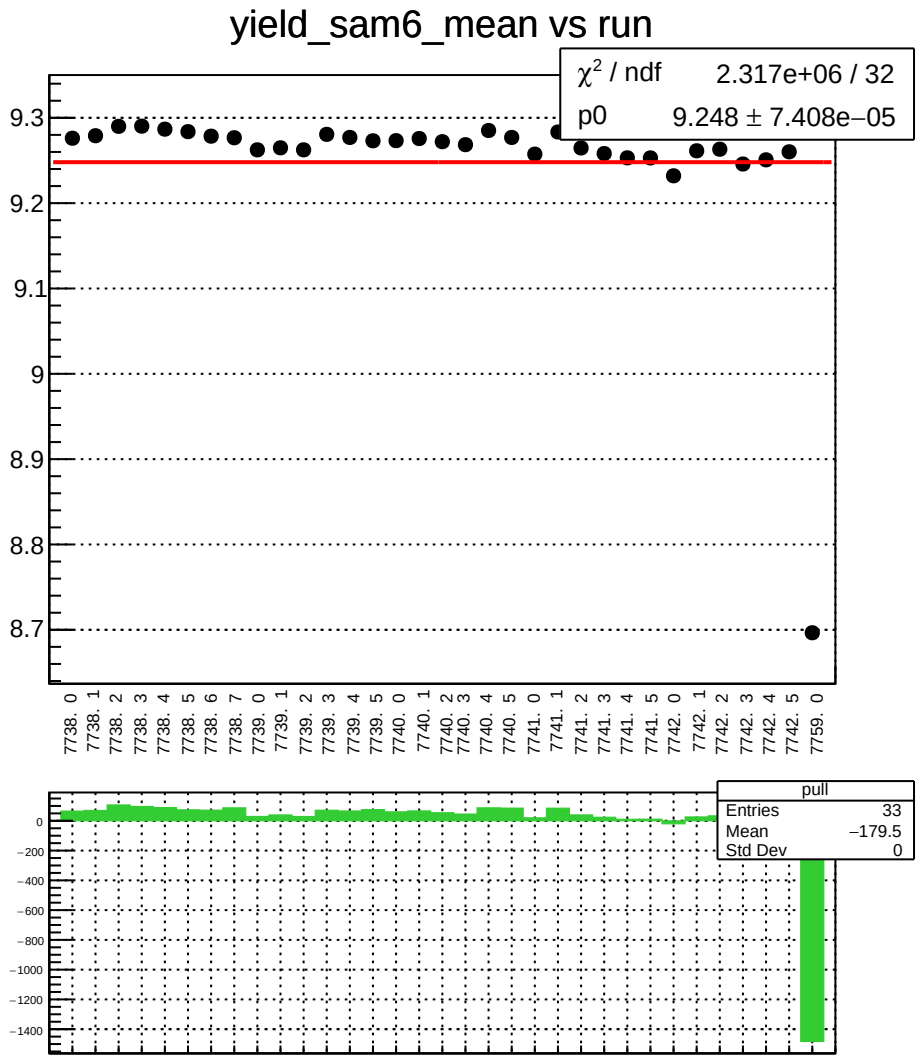

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

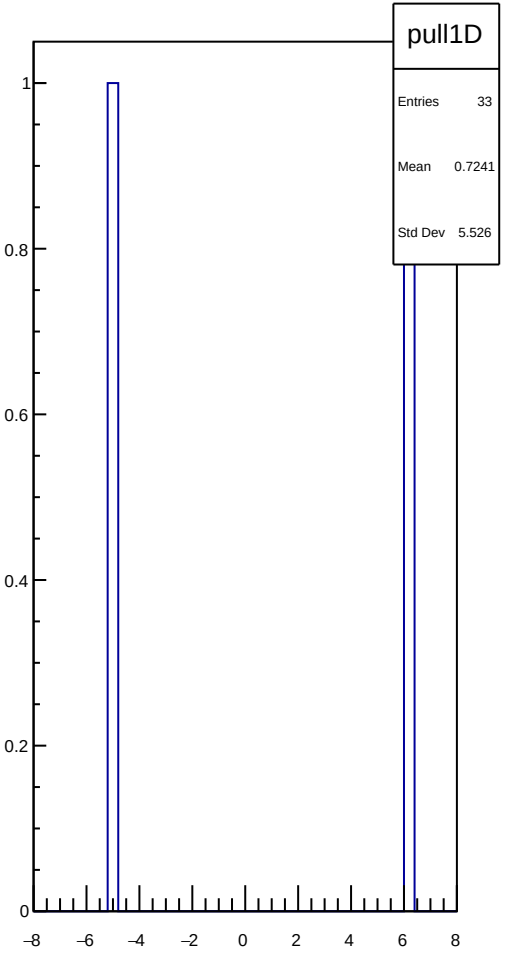

yield_sam4_rms vs run
χ² / ndf 4457 / 32
p0 0.222 ± 0.0002736
0.3
0.28
0.26
0.24
0.22
0.2
0.18
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

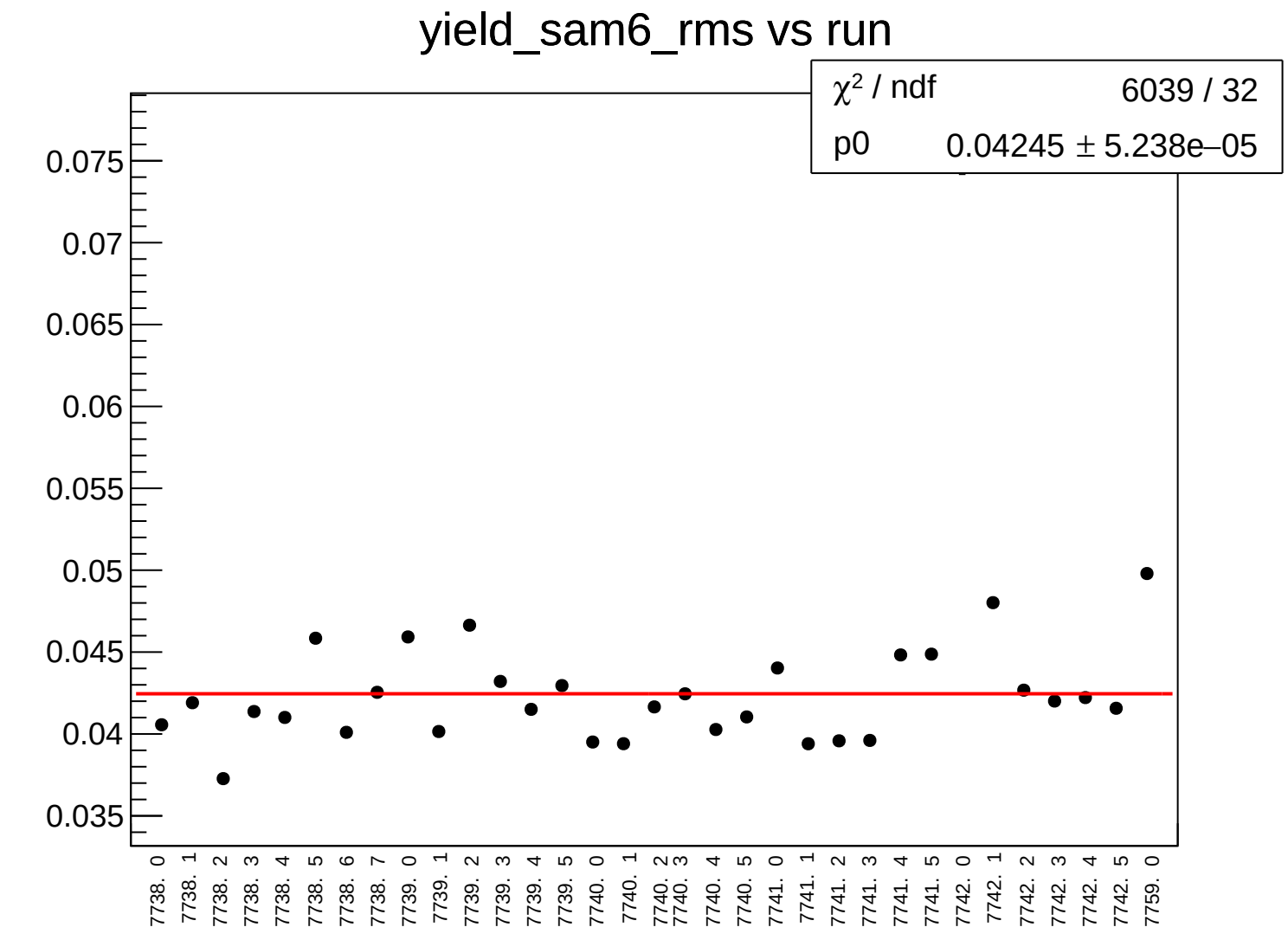

yield_sam5_mean vs run
χ² / ndf 3.082e+05 / 32
p0 17.47 ± 0.000105
17.55
17.5
17.45
17.4
17.35
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.43
Std Dev 0
100
0
−100
−200
−300
−400

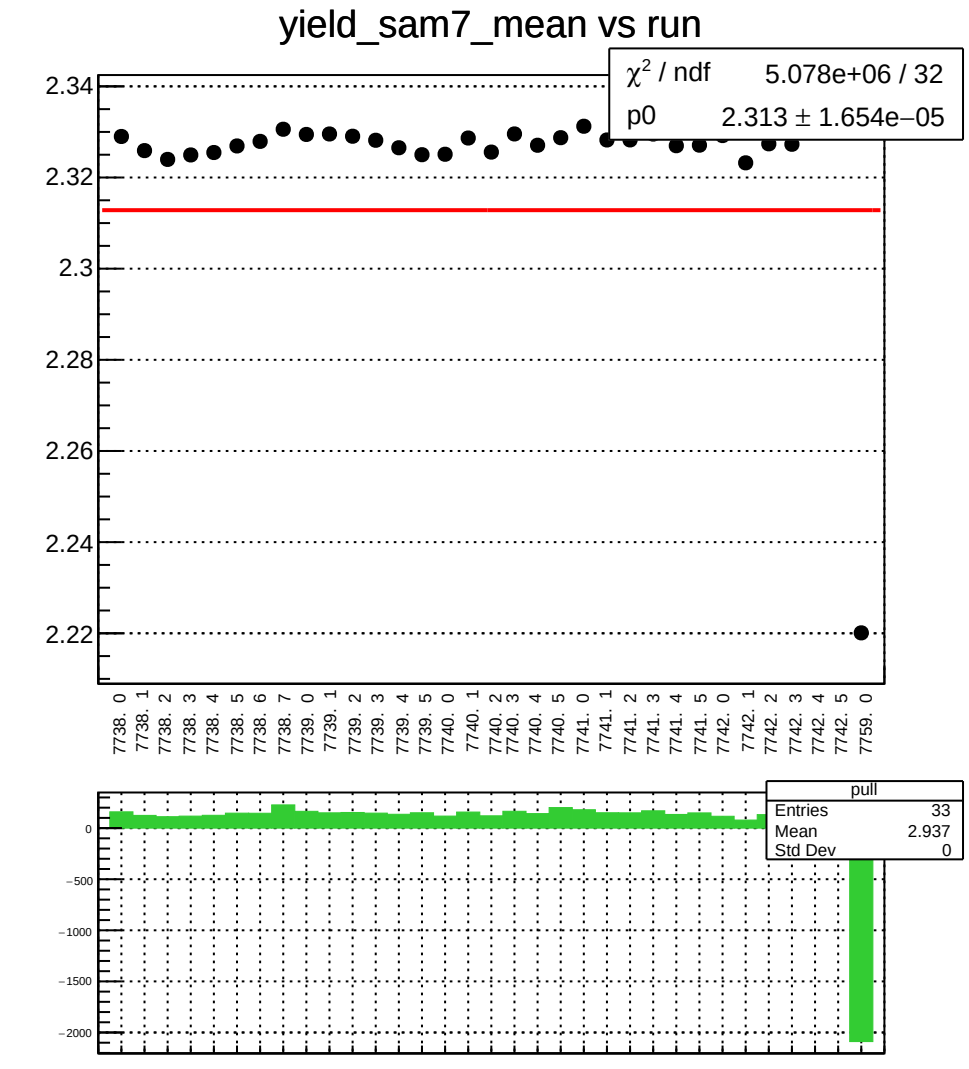

pull1D
Entries 33
Mean −1.722
Std Dev 5.458
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

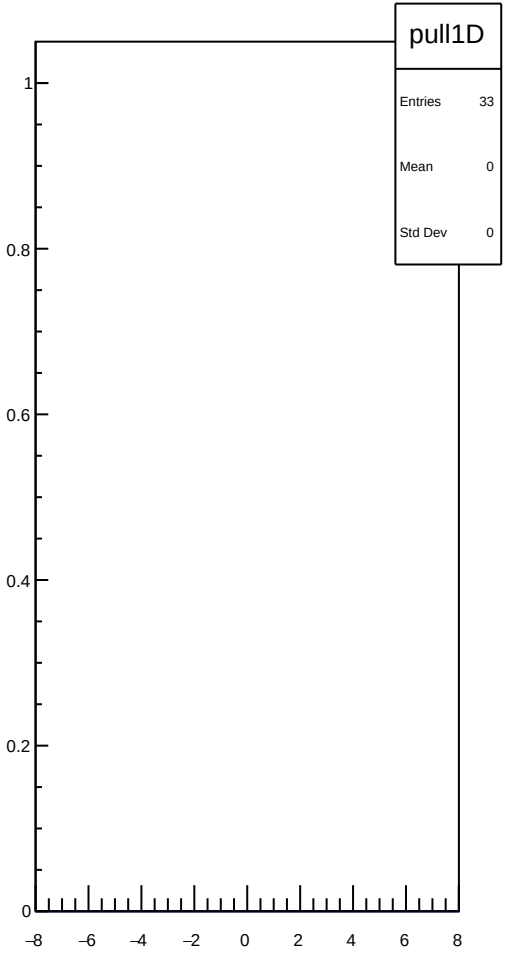

yield_sam5_rms vs run
χ² / ndf 1.965e+04 / 32
p0 0.05952 ± 7.422e−05
0.09
0.08
0.07
0.06
0.05
0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

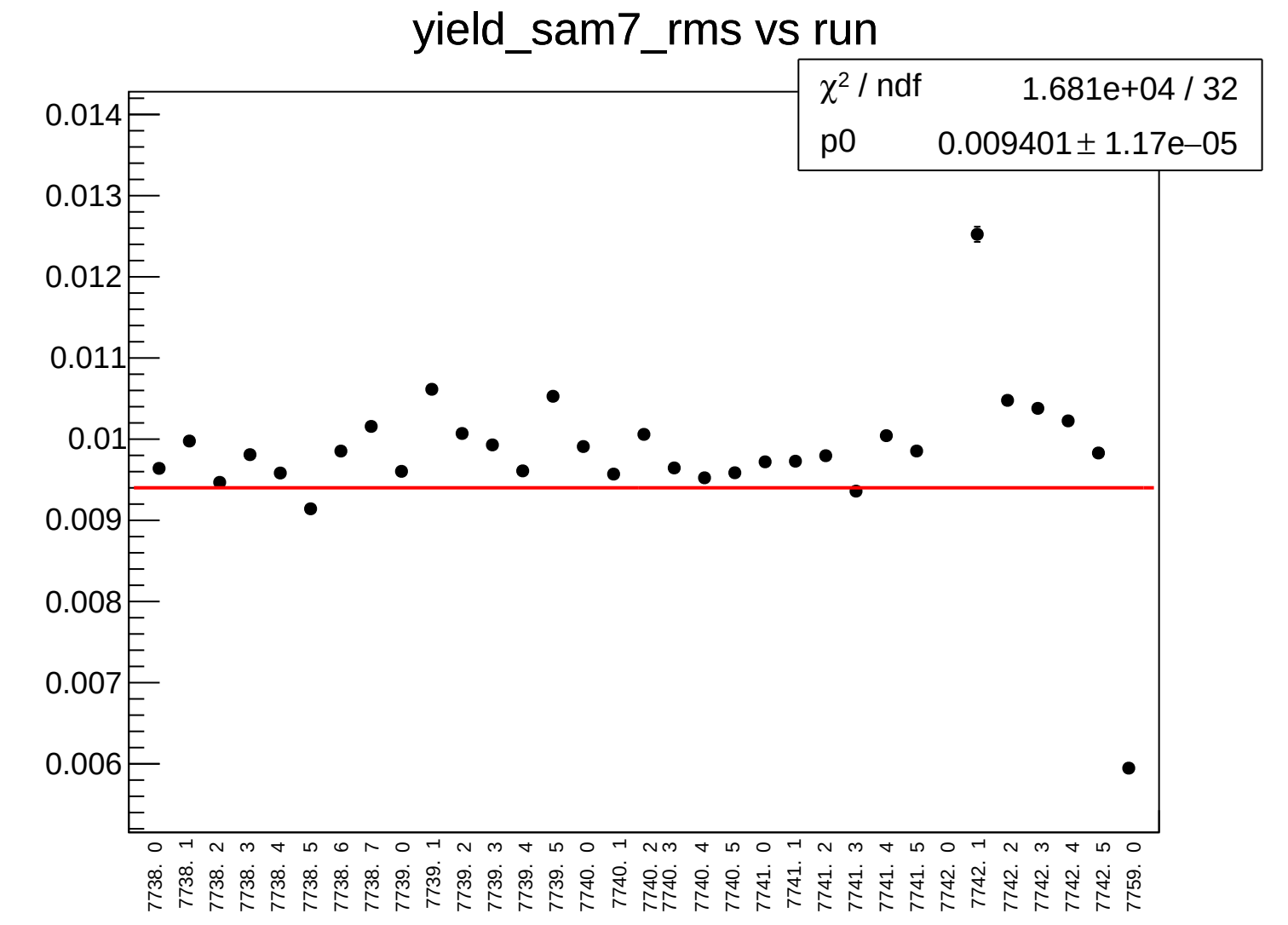

yield_sam6_mean vs run
χ² / ndf 2.317e+06 / 32
p0 9.248 ± 7.408e−05
9.3
9.2
9.1
9
8.9
8.8
8.7
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −179.5
Std Dev 0
0
−200
−400
−600
−800
−1000
−1200
−1400

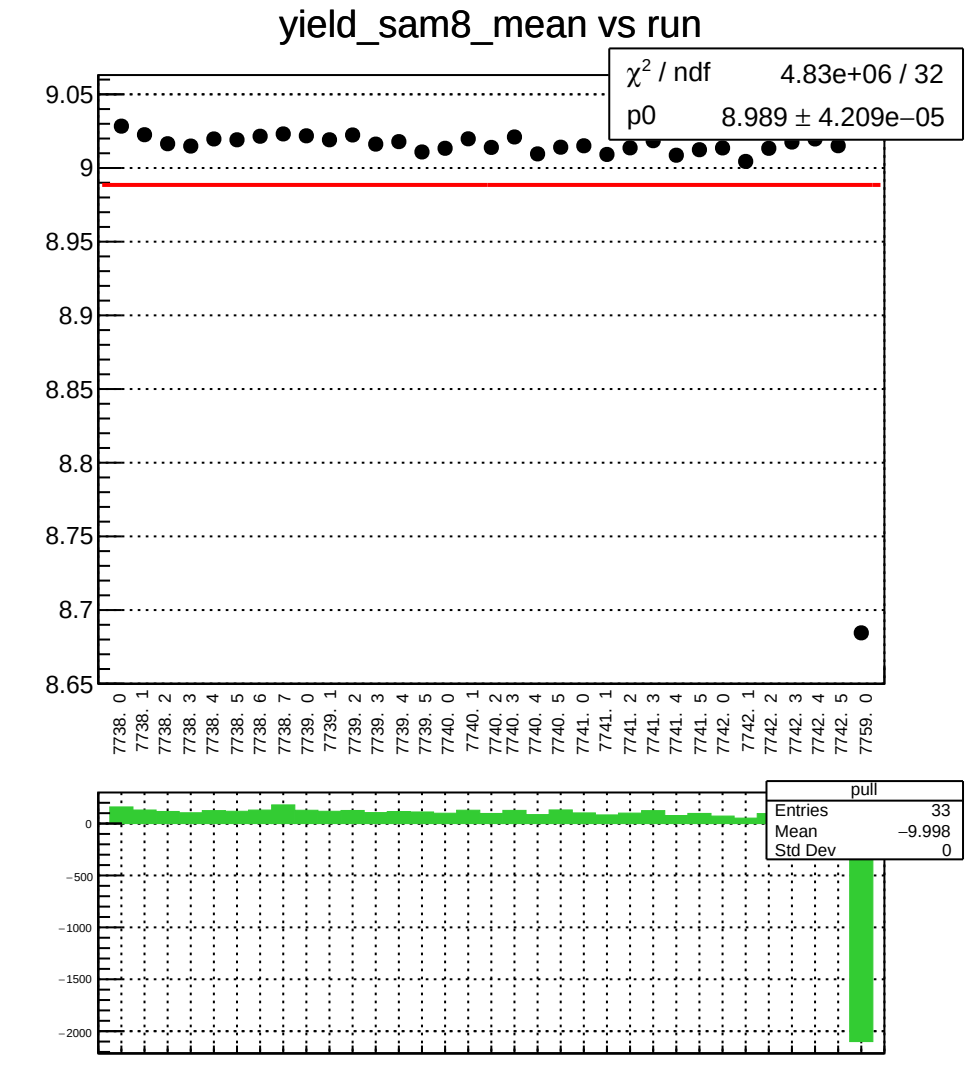

pull1D
Entries 33
Mean 0.7241
Std Dev 5.526
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

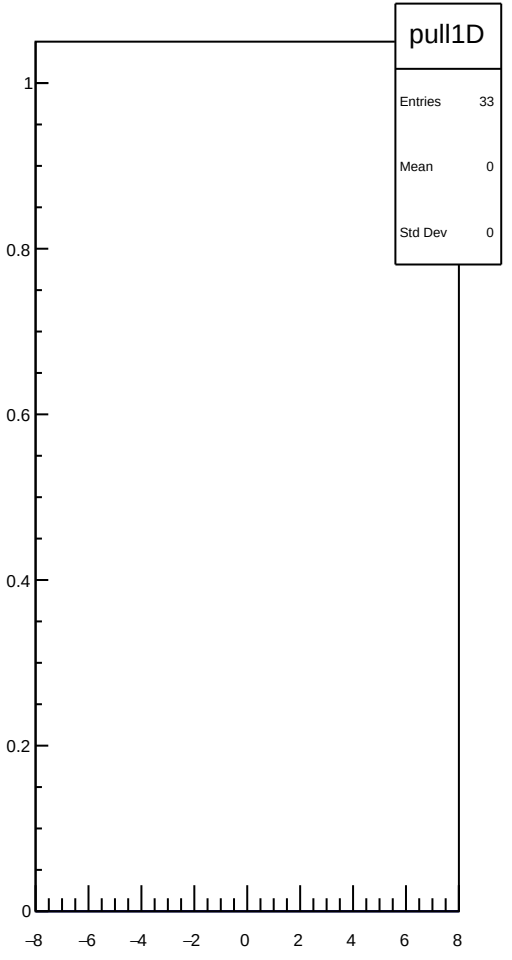

yield_sam6_rms vs run
χ² / ndf 6039 / 32
p0 0.04245 ± 5.238e−05
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

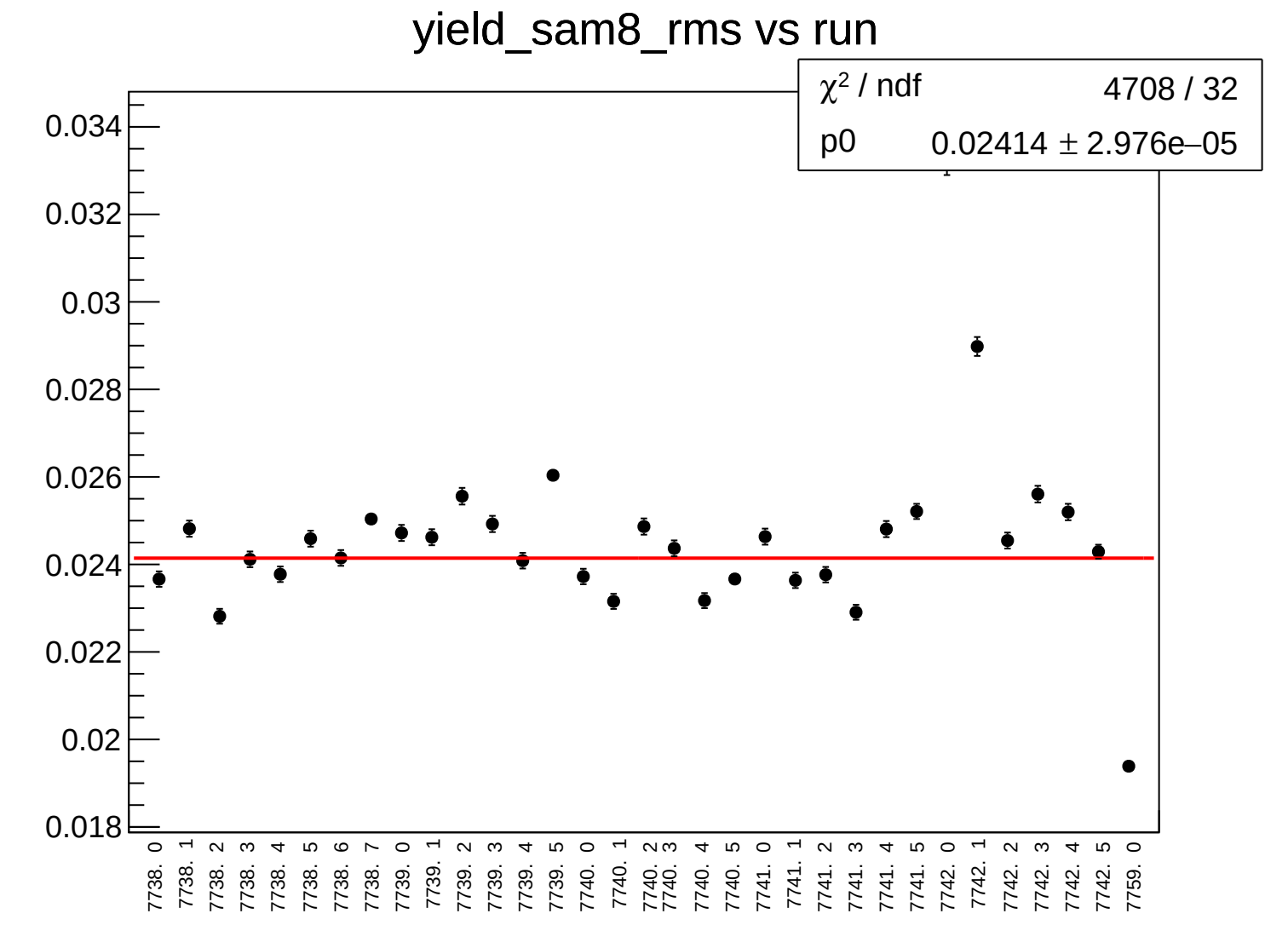

yield_sam7_mean vs run
χ² / ndf 5.078e+06 / 32
p0 2.313 ± 1.654e−05
2.34
2.32
2.3
2.28
2.26
2.24
2.22
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.937
Std Dev 0
0
−500
−1000
−1500
−2000

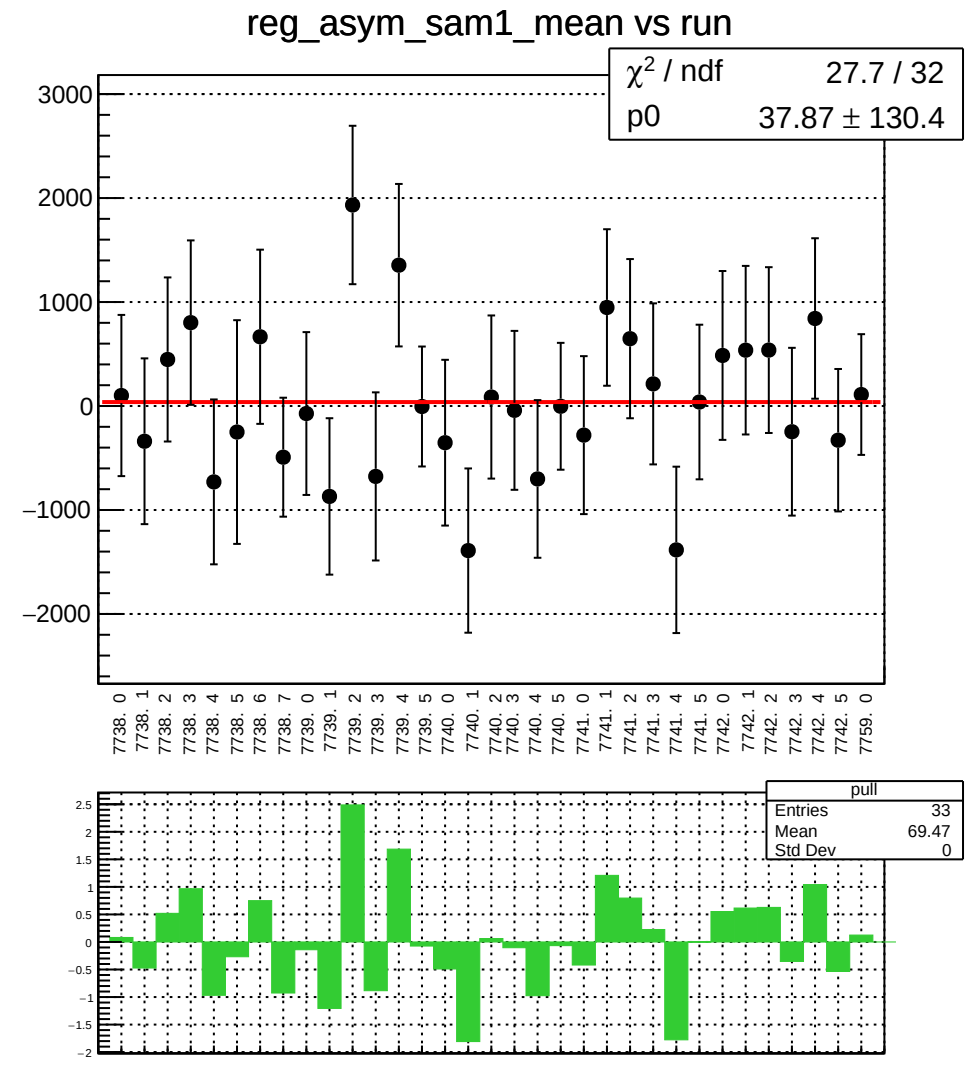

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

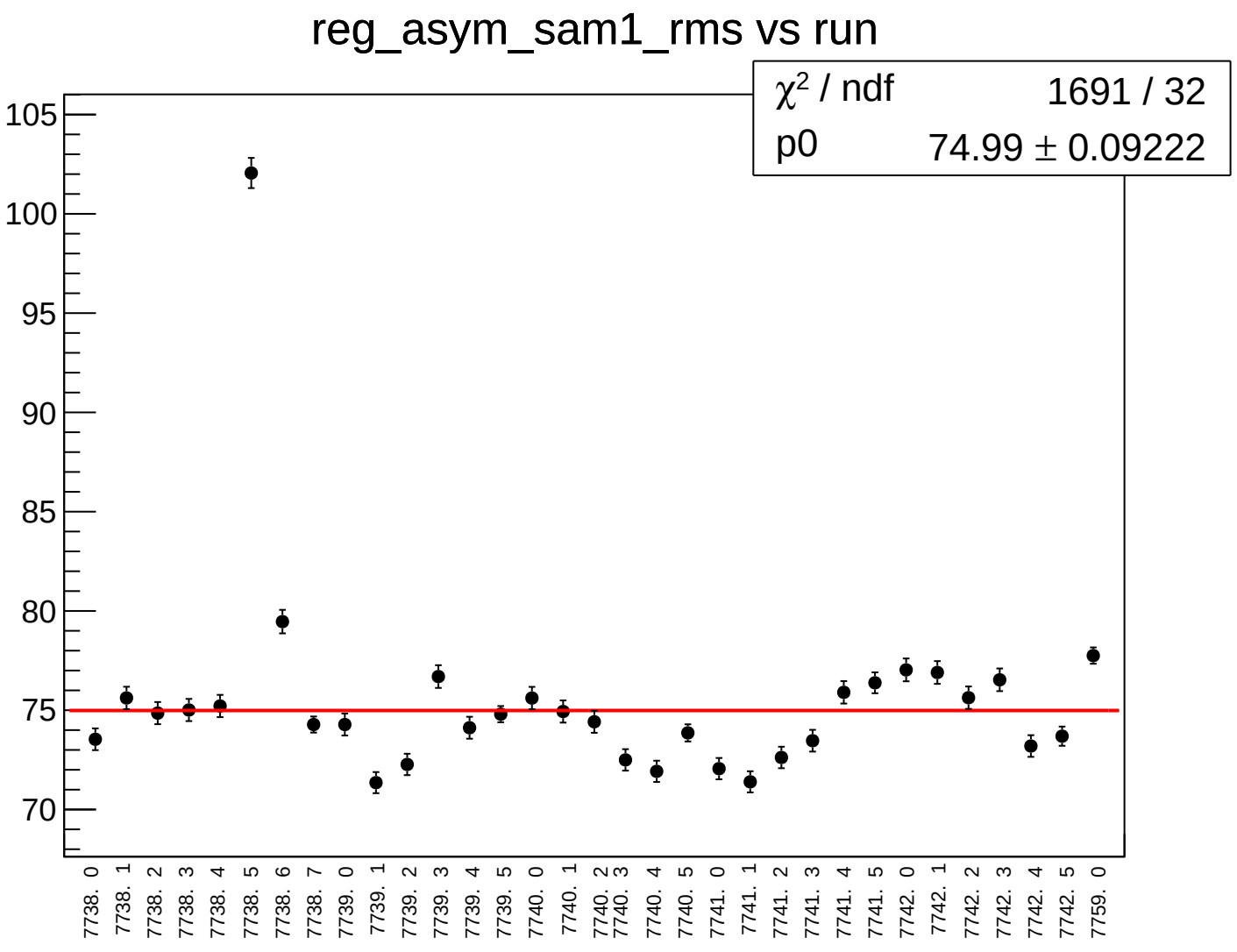

yield_sam7_rms vs run
χ² / ndf 1.681e+04 / 32
p0 0.009401 ± 1.17e–05
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

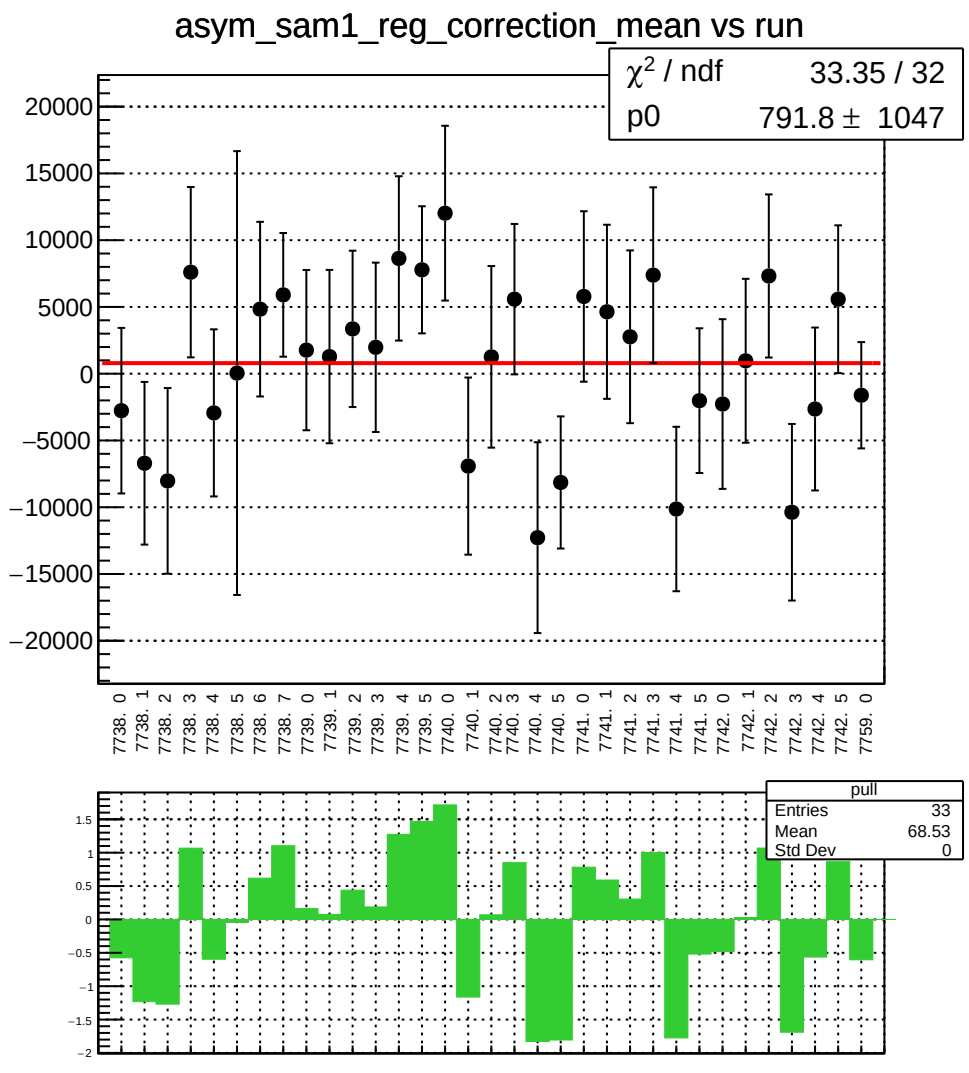

yield_sam8_mean vs run
χ² / ndf 4.83e+06 / 32
p0 8.989 ± 4.209e−05
9.05
9
8.95
8.9
8.85
8.8
8.75
8.7
8.65
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.998
Std Dev 0
0
−500
−1000
−1500
−2000

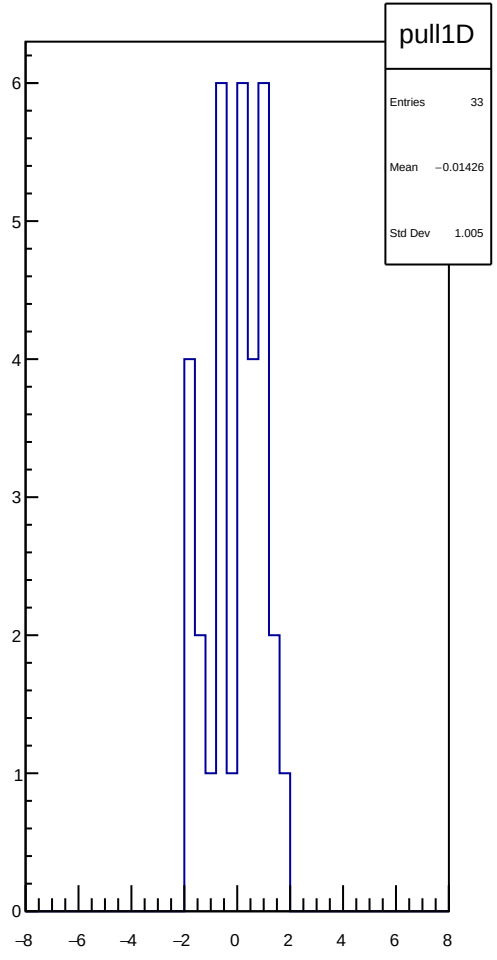

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

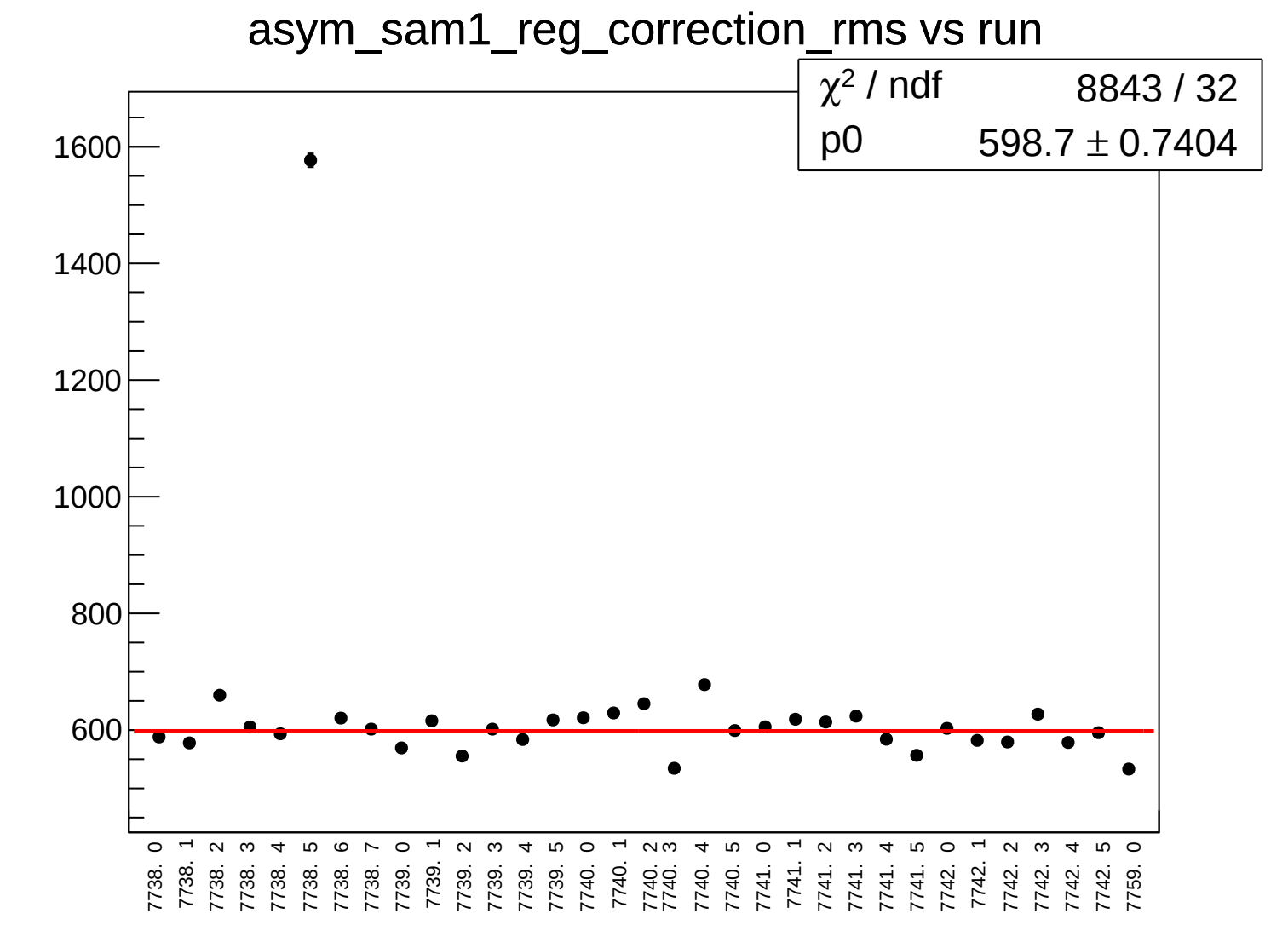

yield_sam8_rms vs run
χ² / ndf 4708 / 32
p0 0.02414 ± 2.976e−05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

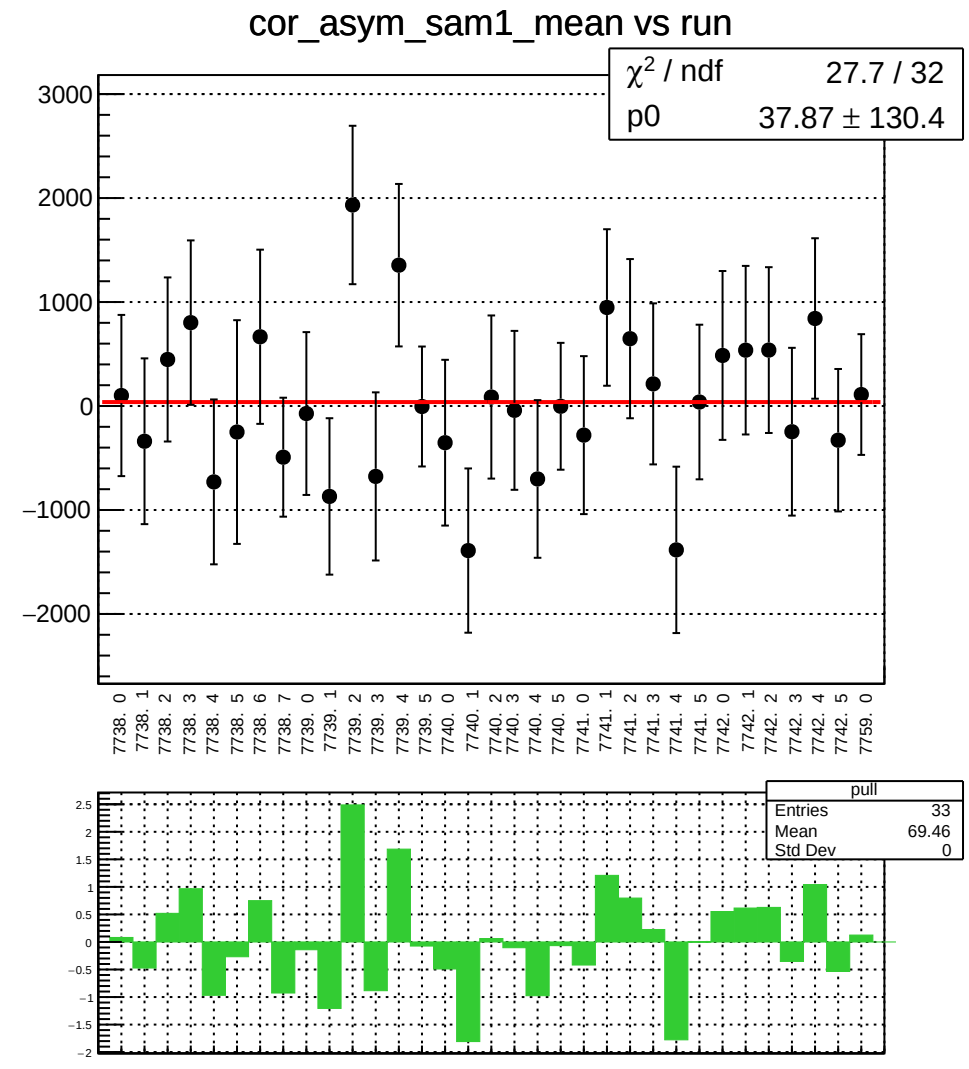

reg_asym_sam1_mean vs run
χ² / ndf 27.7 / 32
p0 37.87 ± 130.4
3000
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 69.47
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.00844
Std Dev 0.9162
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

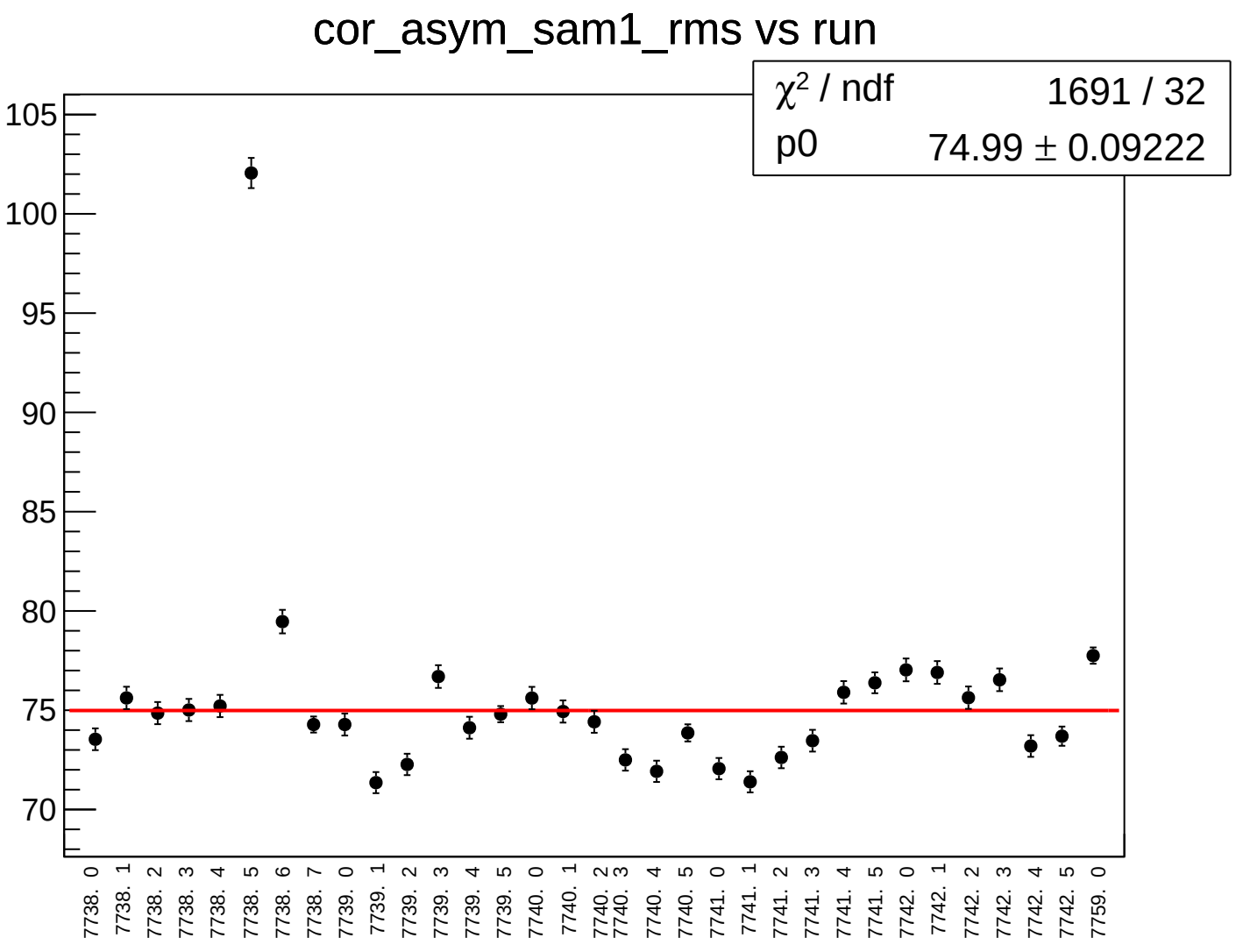

reg_asym_sam1_rms vs run
χ^2 / ndf 1691 / 32
p0 74.99 ± 0.09222
105
100
95
90
85
80
75
70
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

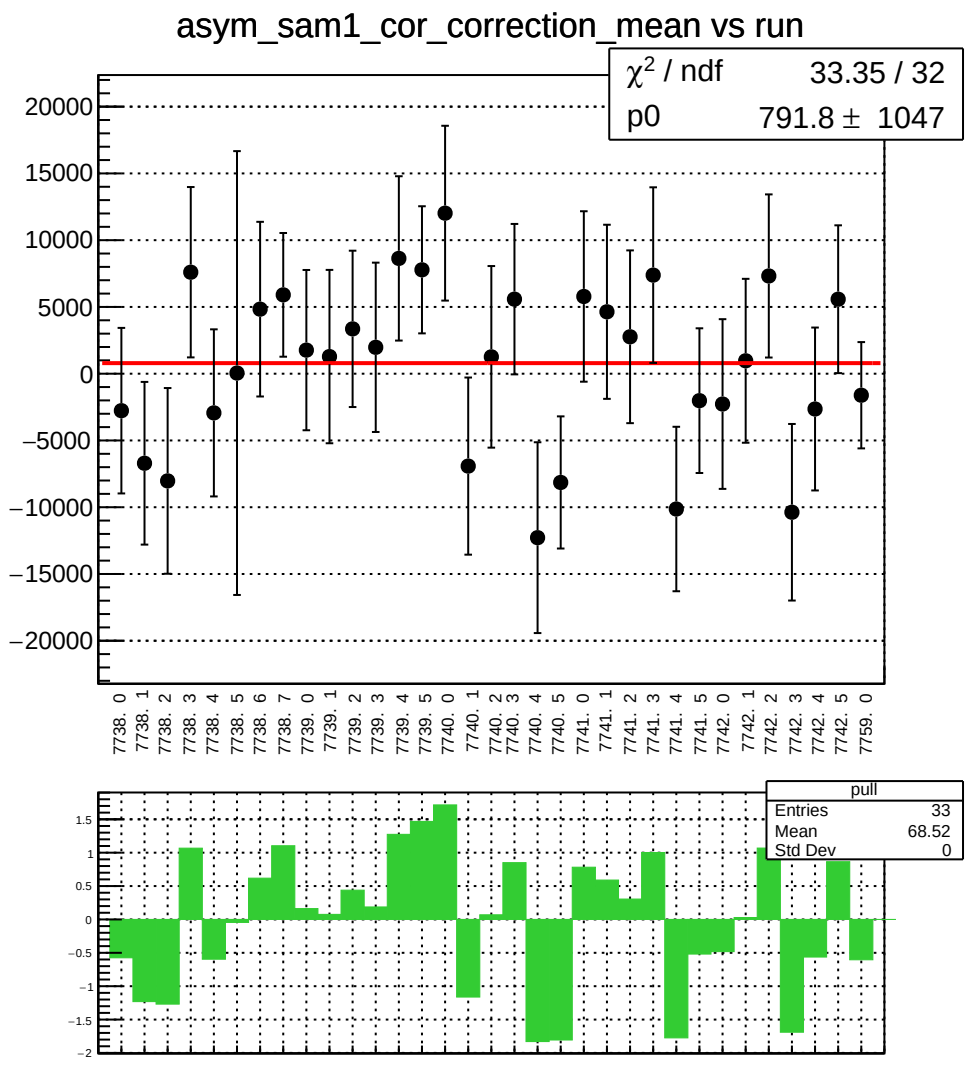

asym_sam1_reg_correction_mean vs run
χ² / ndf 33.35 / 32
p0 791.8 ± 1047
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 68.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

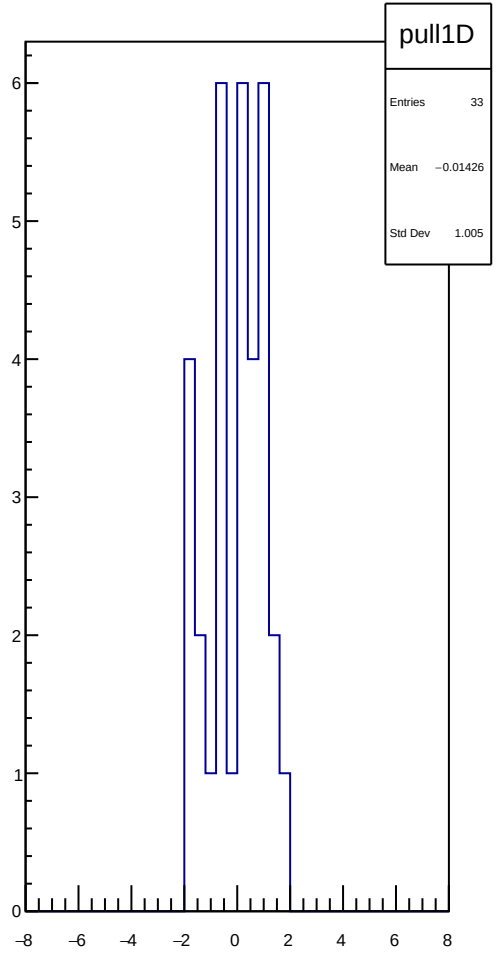

pull1D
Entries 33
Mean −0.01426
Std Dev 1.005
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

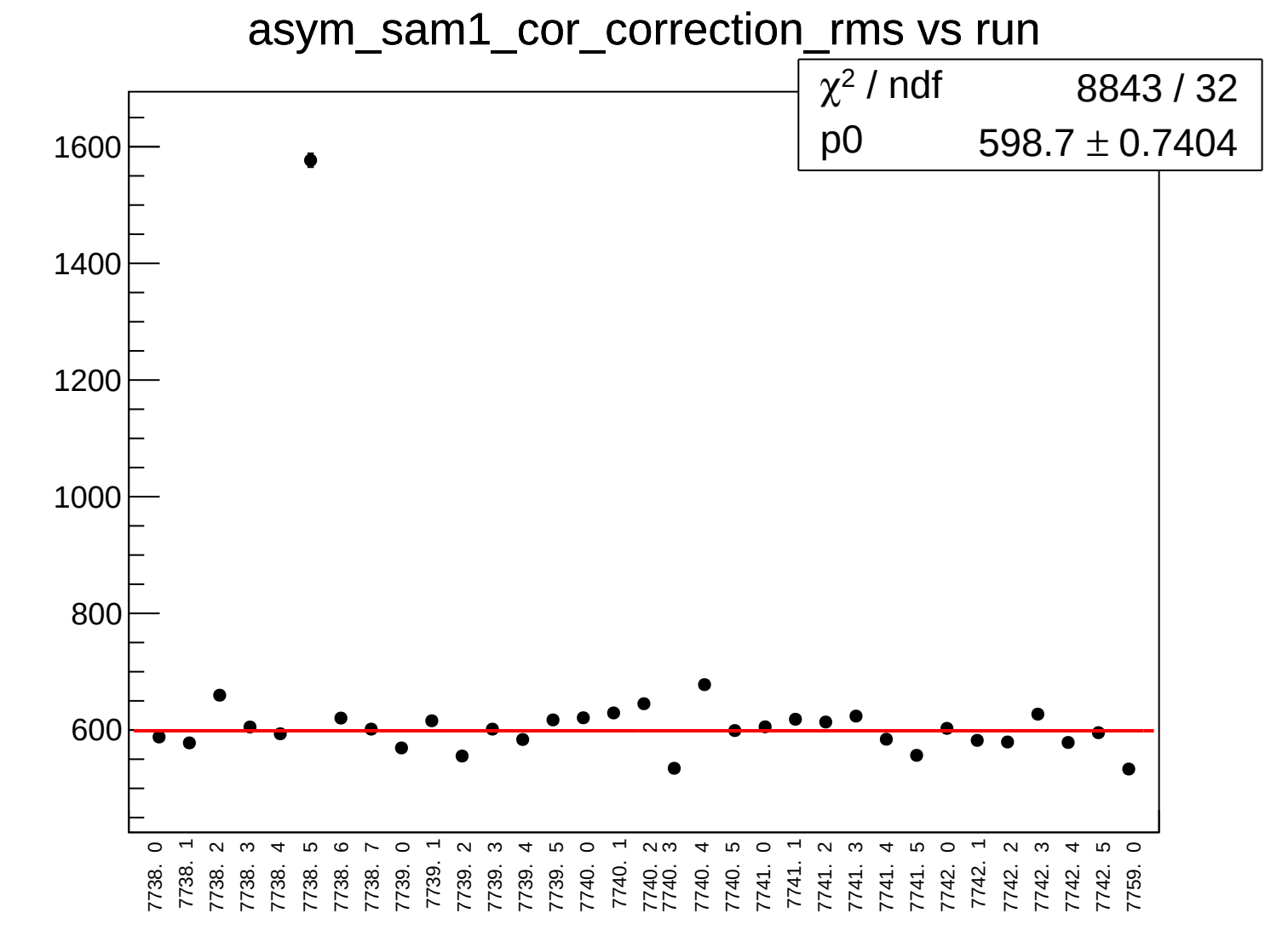

asym_sam1_reg_correction_rms vs run
χ² / ndf 8843 / 32
p0 598.7 ± 0.7404
1600
1400
1200
1000
800
600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

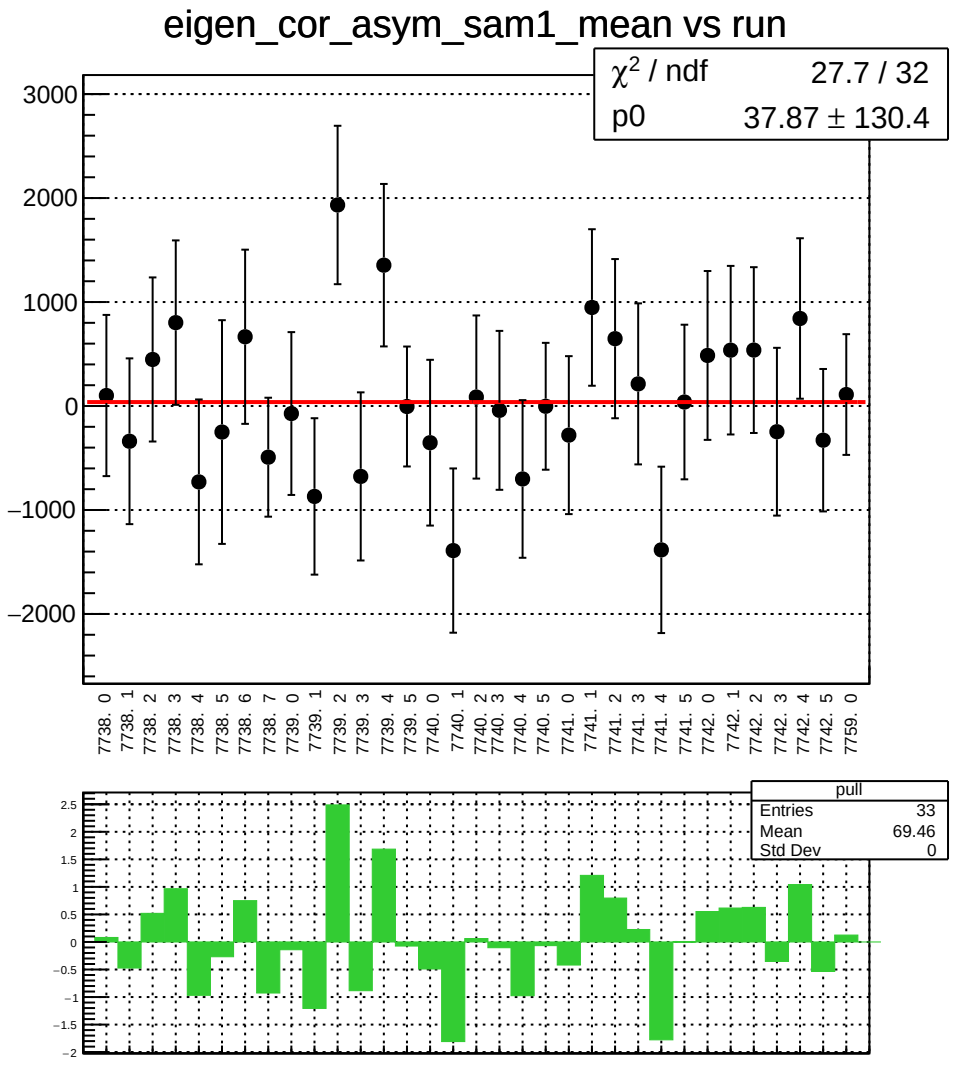

cor_asym_sam1_mean vs run
χ² / ndf 27.7 / 32
p0 37.87 ± 130.4
3000
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 69.46
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.00844
Std Dev 0.9162
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

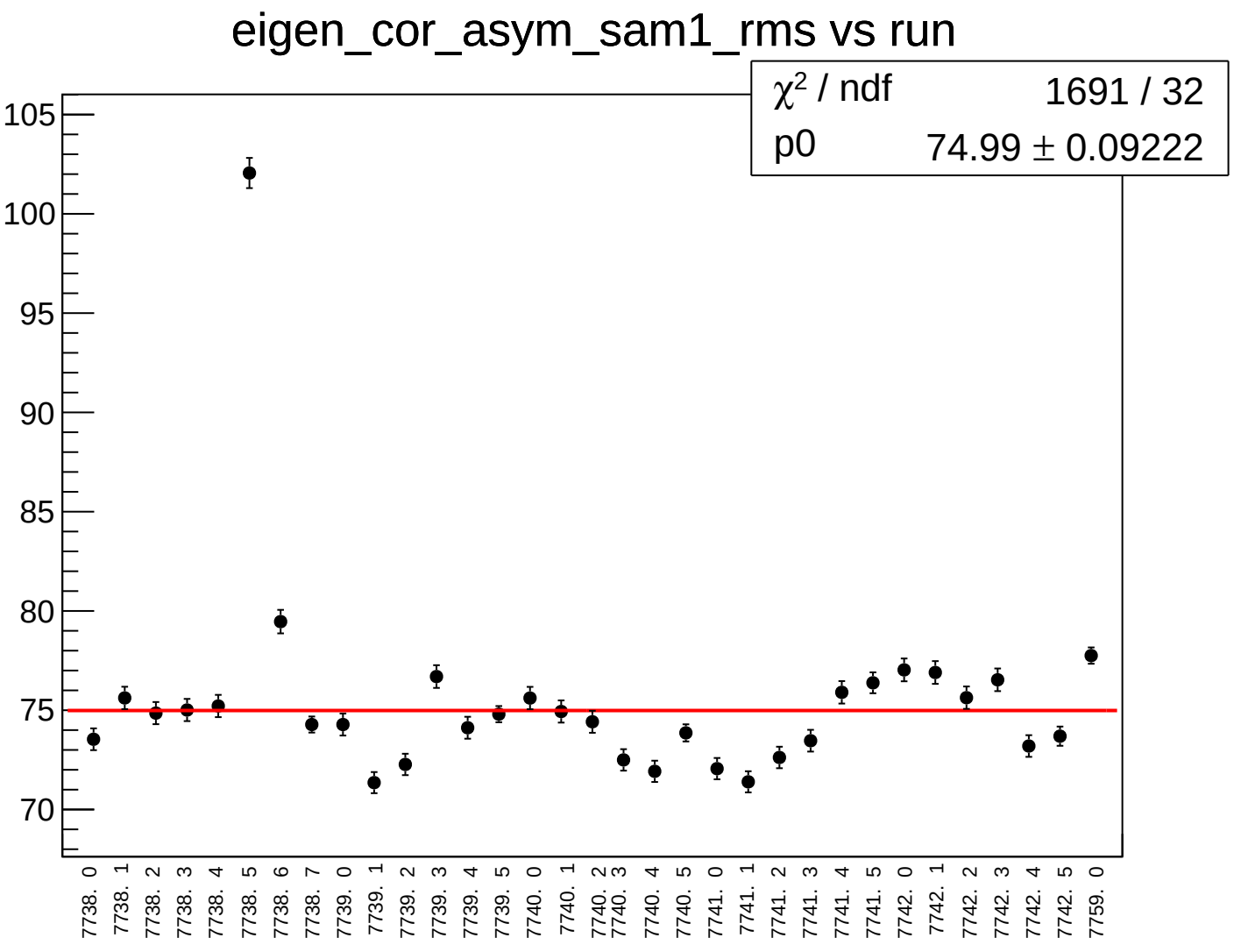

cor_asym_sam1_rms vs run
χ² / ndf 1691 / 32
p0 74.99 ± 0.09222
105
100
95
90
85
80
75
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

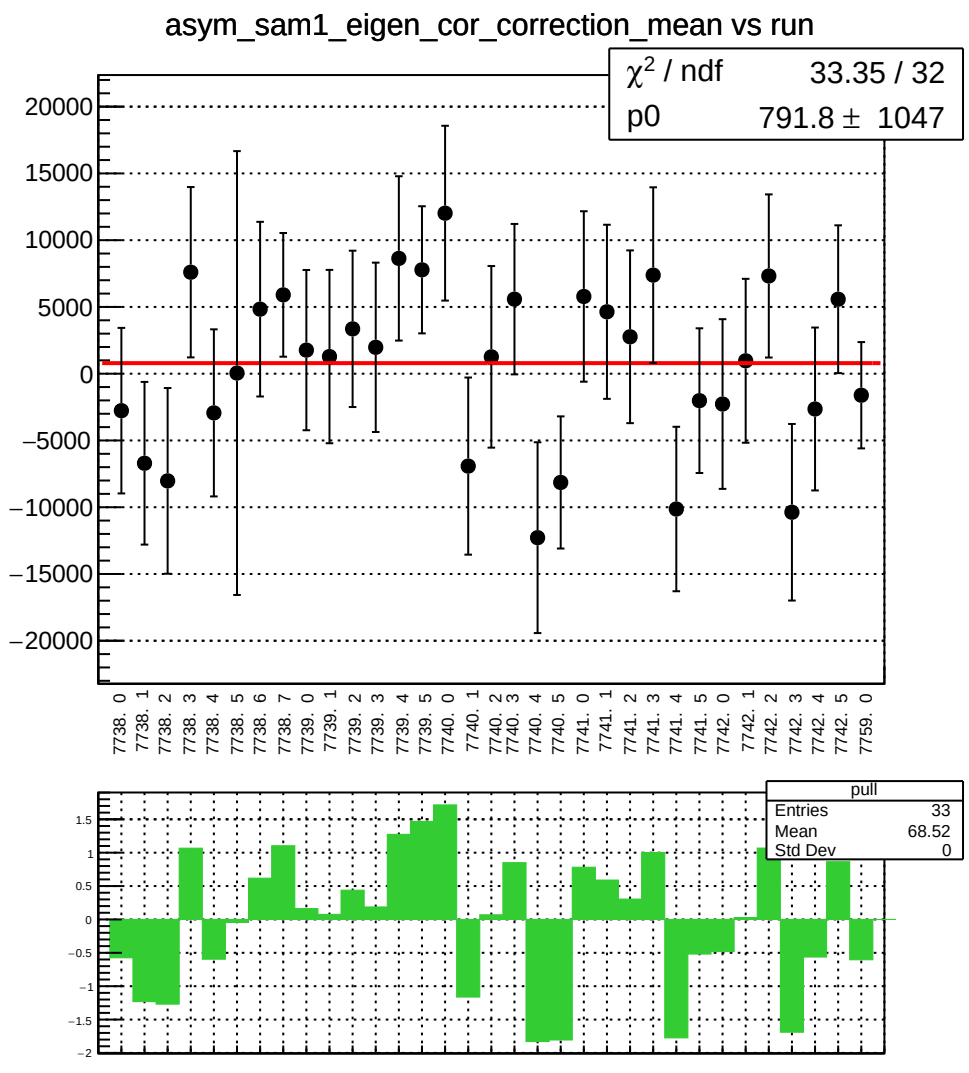

asym_sam1_cor_correction_mean vs run
χ² / ndf 33.35 / 32
p0 791.8 ± 1047
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 68.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

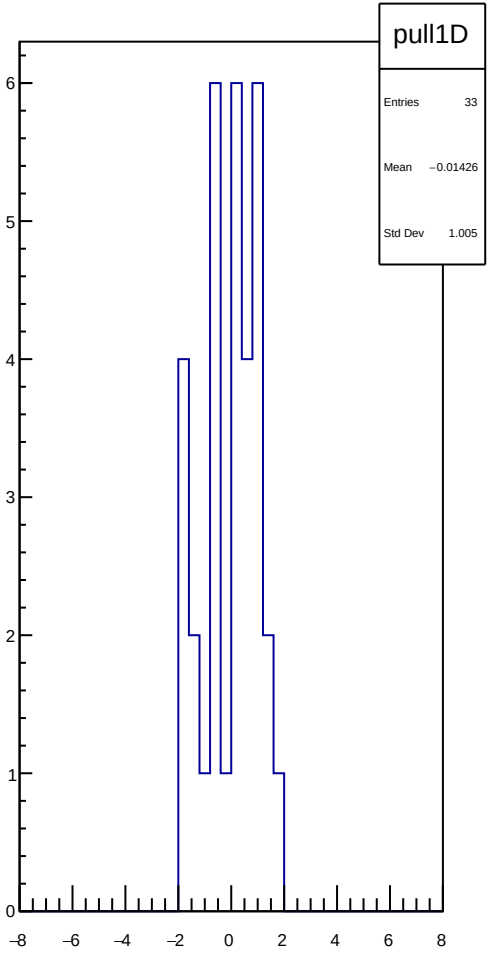

pull1D
Entries 33
Mean −0.01426
Std Dev 1.005
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

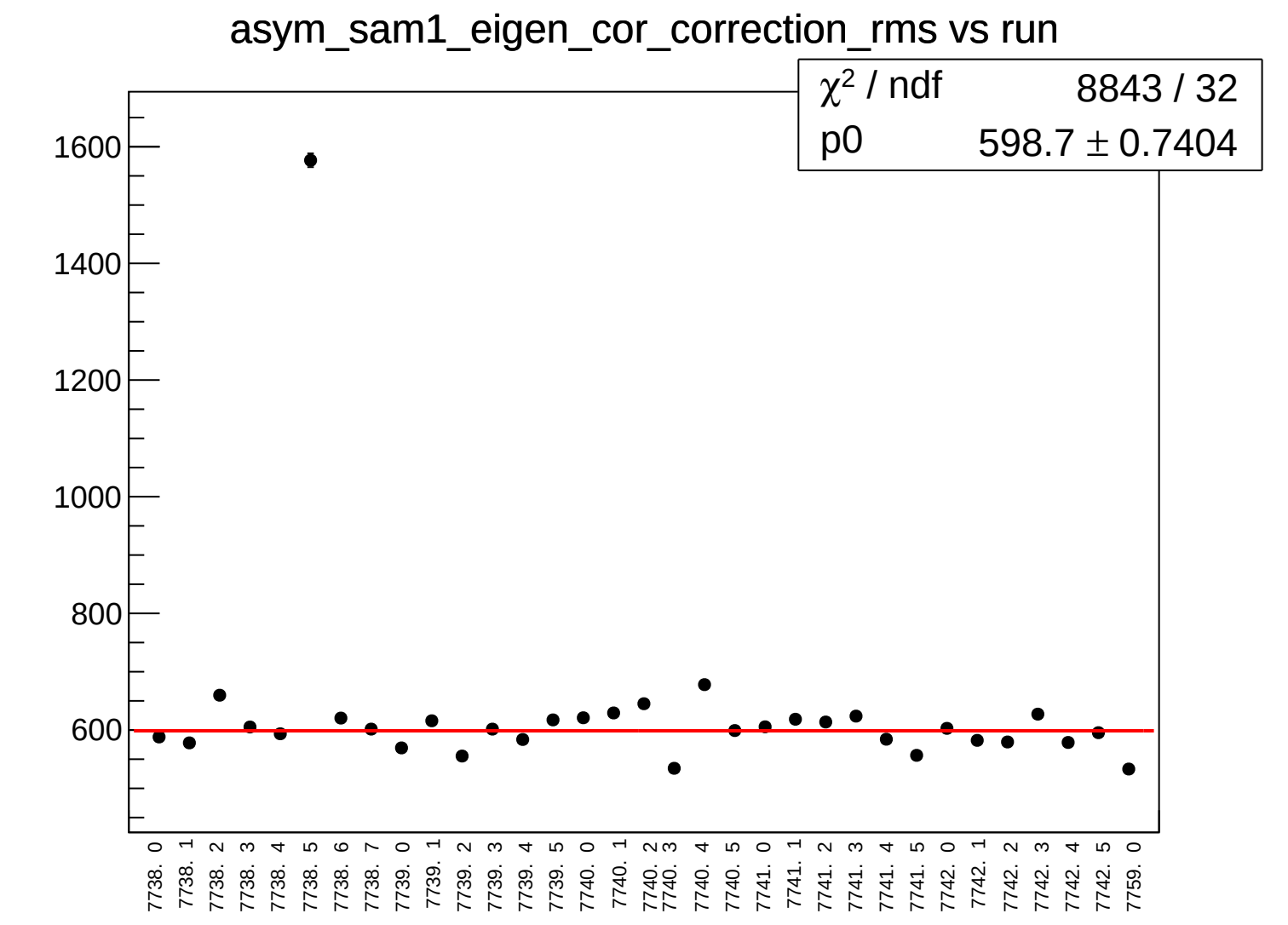

asym_sam1_cor_correction_rms vs run
χ² / ndf 8843 / 32
p0 598.7 ± 0.7404
1600
1400
1200
1000
800
600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

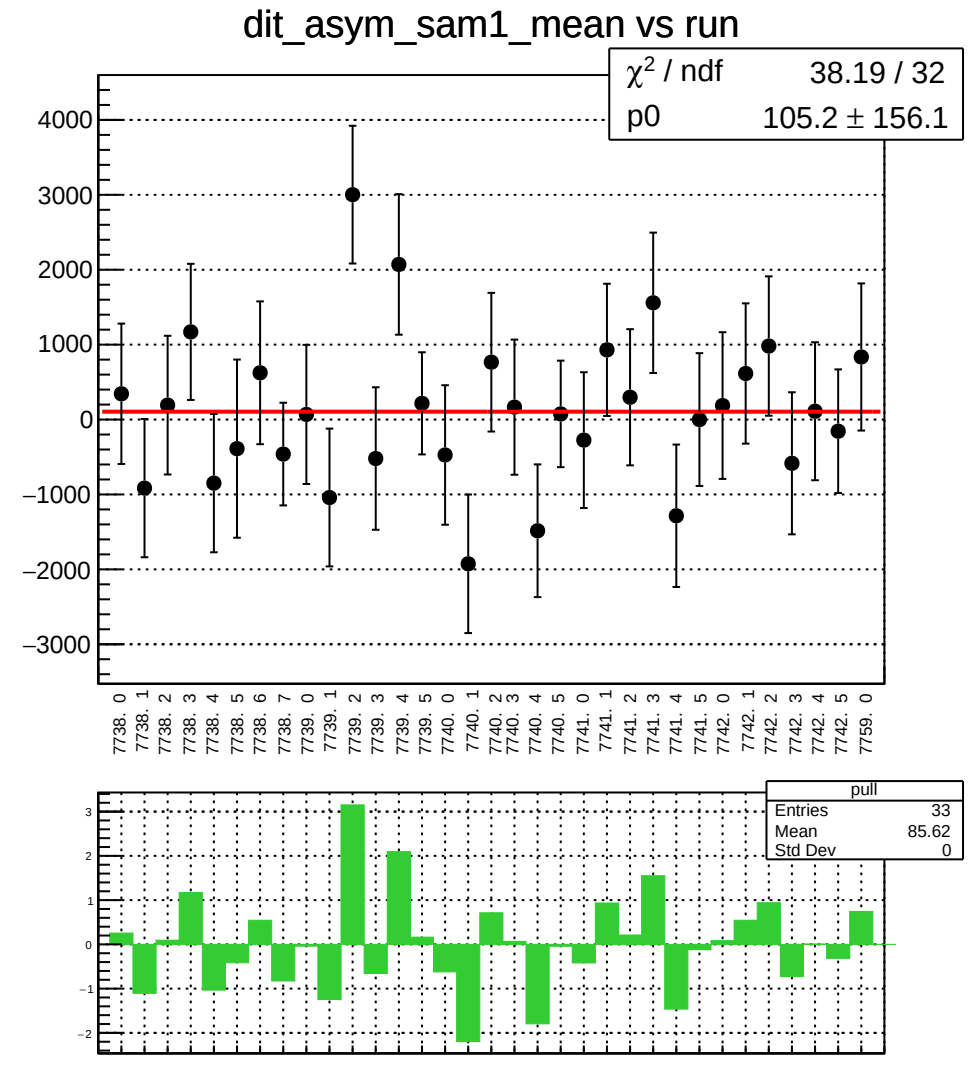

eigen_cor_asym_sam1_mean vs run
χ² / ndf 27.7 / 32
p0 37.87 ± 130.4
3000
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 69.46
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.00844
Std Dev 0.9162
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

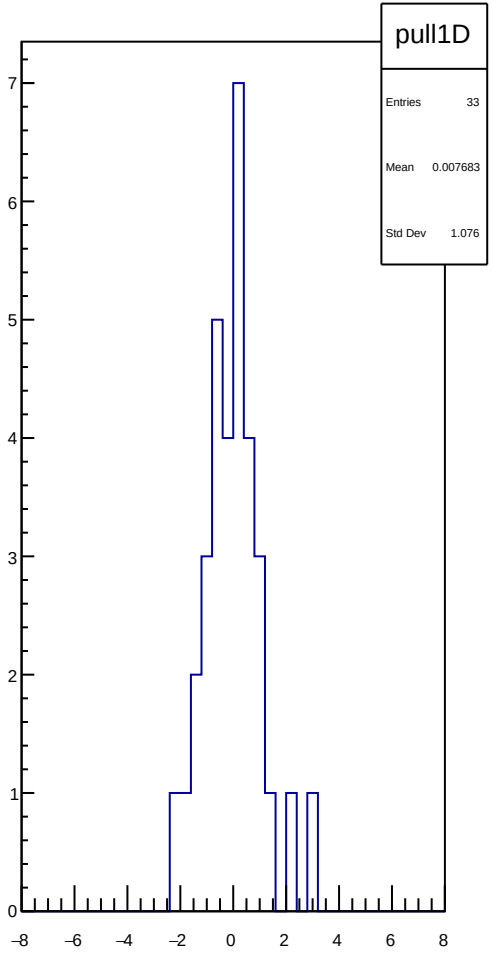

eigen_cor_asym_sam1_rms vs run
χ² / ndf 1691 / 32
p0 74.99 ± 0.09222
105
100
95
90
85
80
75
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

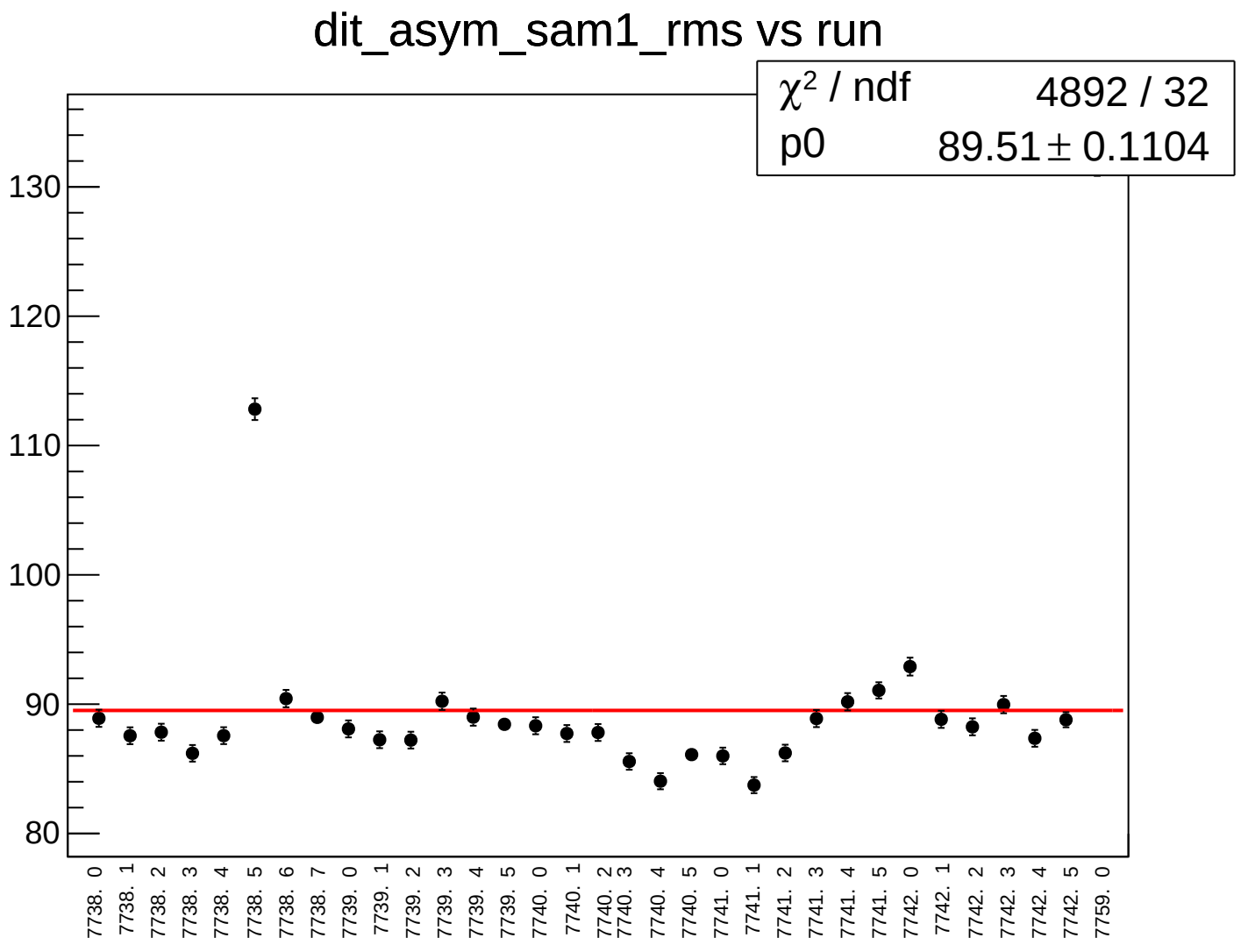

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 33.35 / 32
p0 791.8 ± 1047
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 68.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

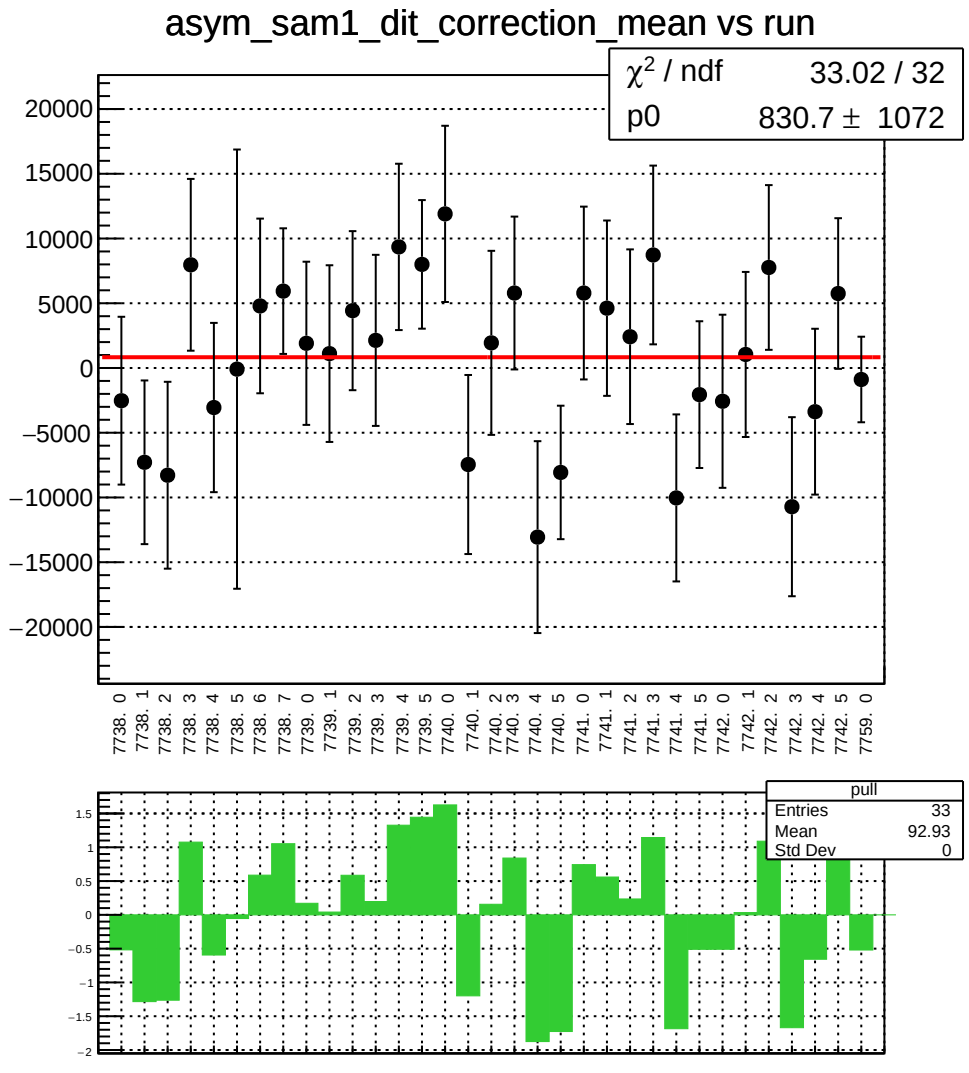

pull1D
Entries 33
Mean −0.01426
Std Dev 1.005
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

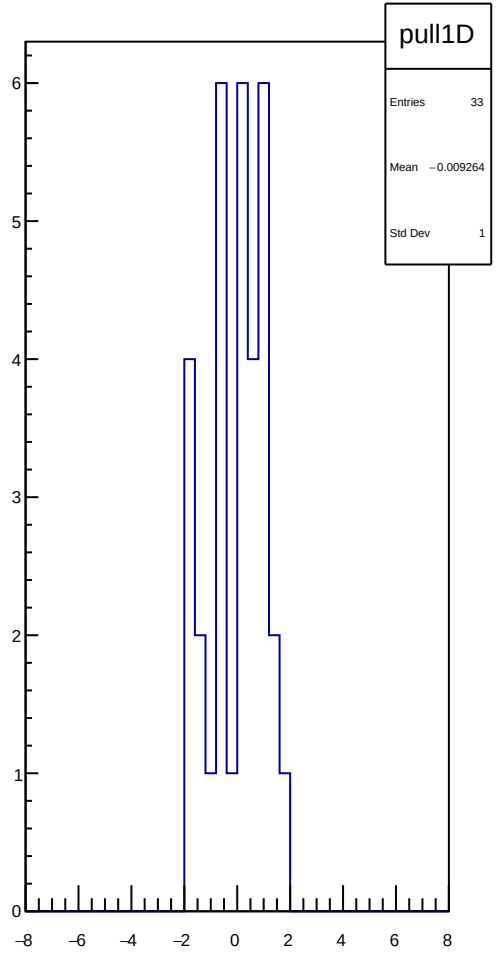

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 8843 / 32
p0 598.7 ± 0.7404
1600
1400
1200
1000
800
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

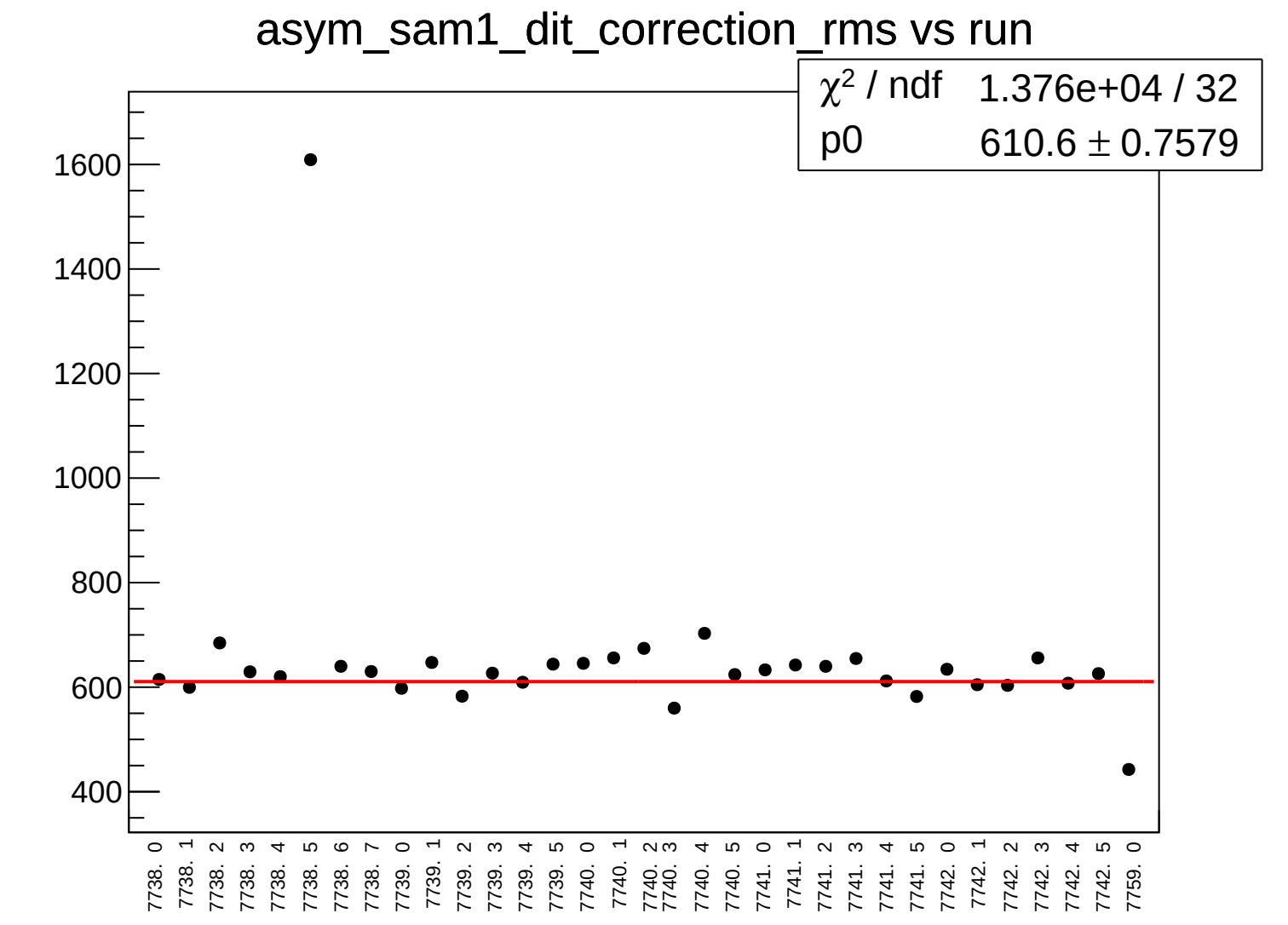

dit_asym_sam1_mean vs run
χ² / ndf 38.19 / 32
p0 105.2 ± 156.1
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 85.62
Std Dev 0
3
2
1
0
−1
−2

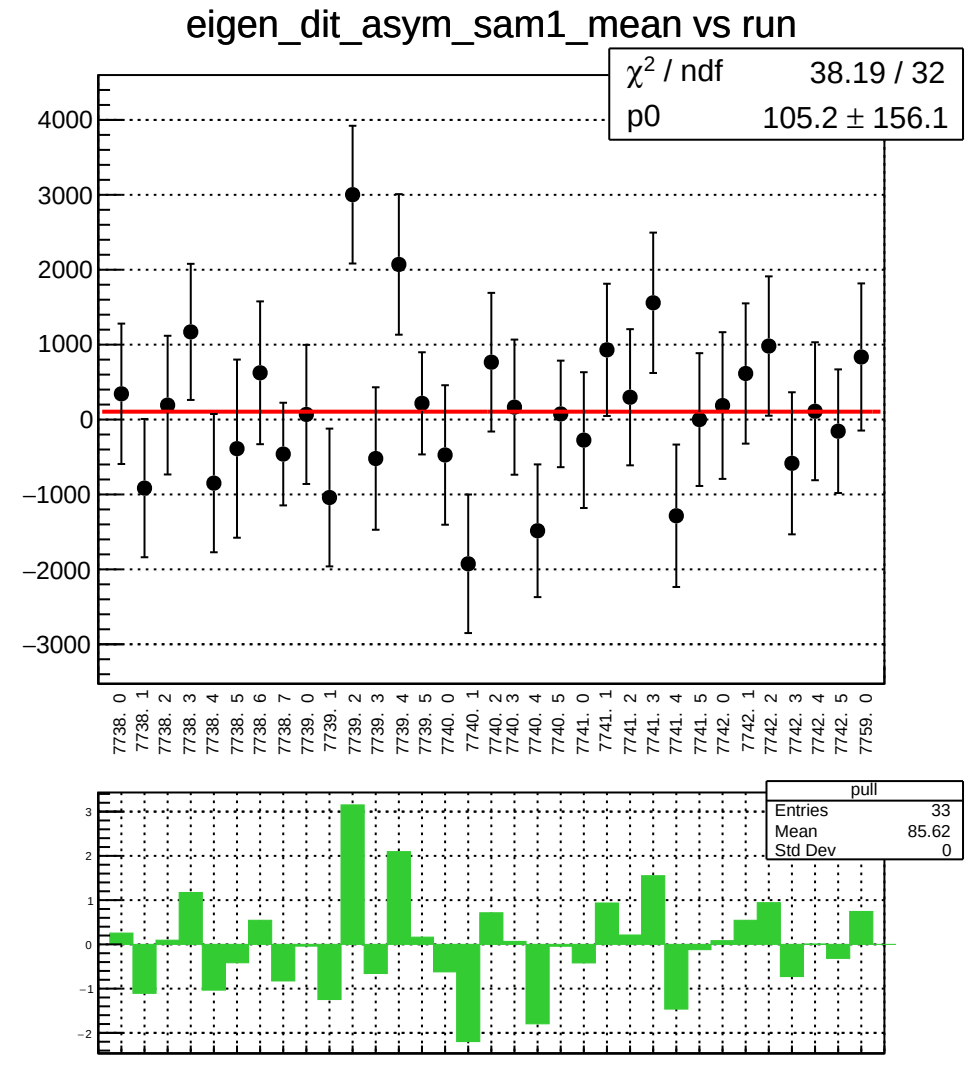

pull1D
Entries 33
Mean 0.007683
Std Dev 1.076
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

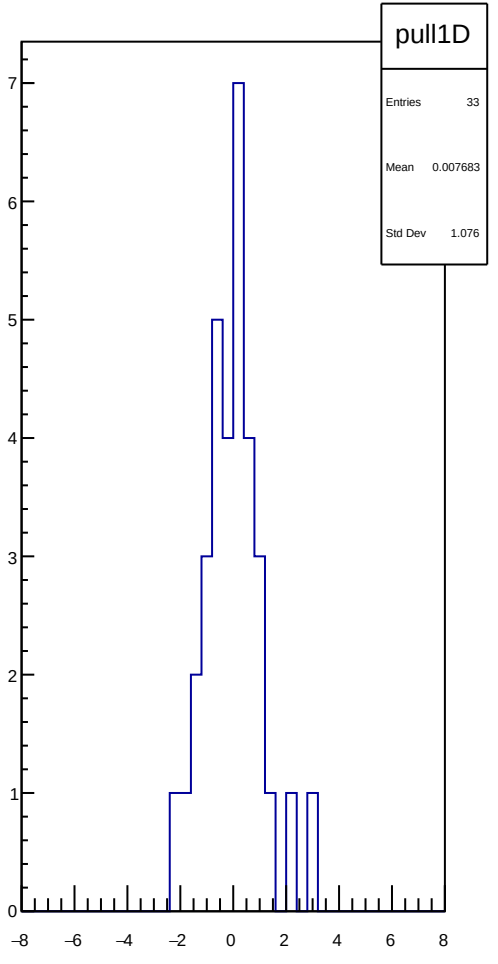

dit_asym_sam1_rms vs run
χ² / ndf 4892 / 32
p0 89.51 ± 0.1104
130
120
110
100
90
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

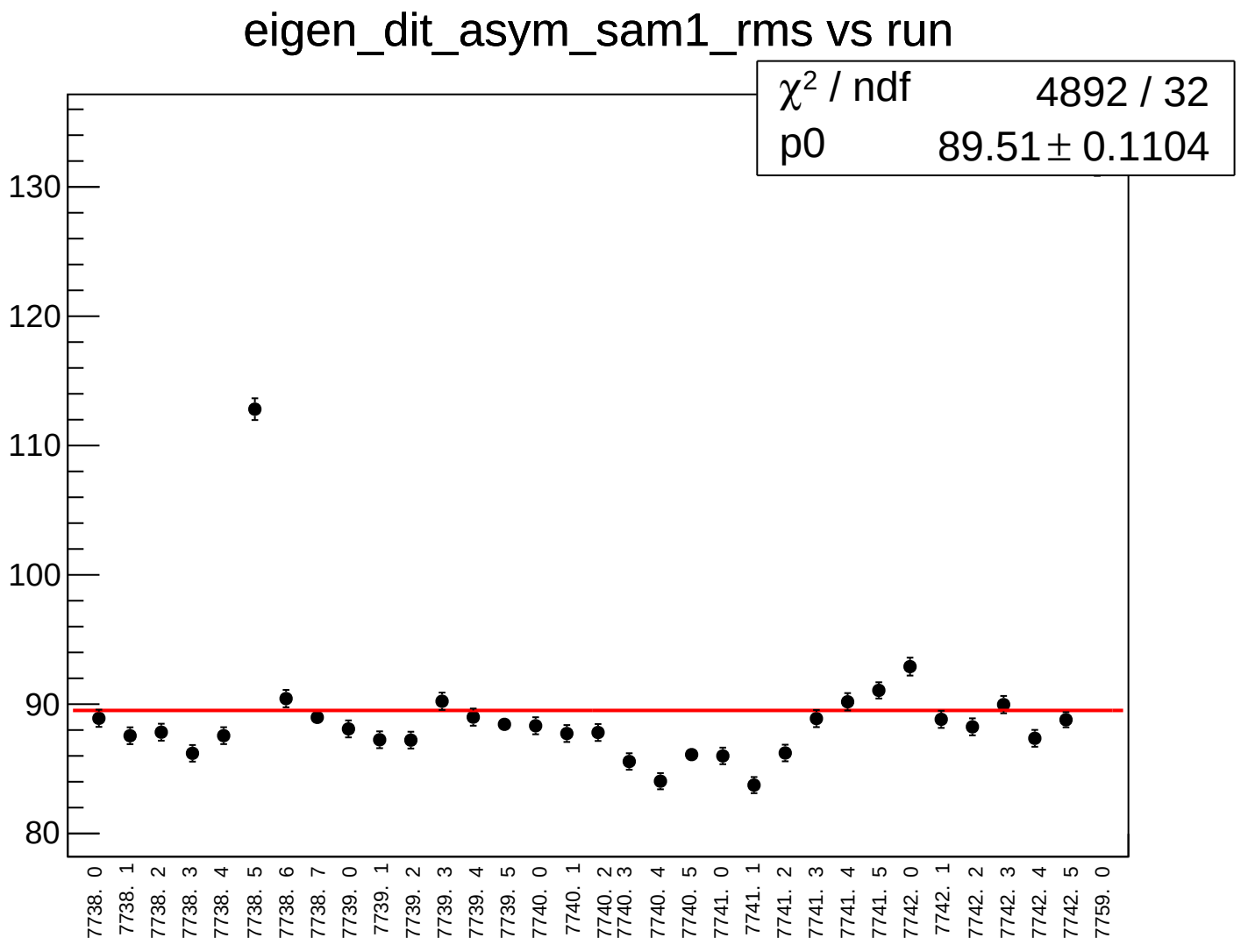

asym_sam1_dit_correction_mean vs run
χ² / ndf 33.02 / 32
p0 830.7 ± 1072
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 92.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

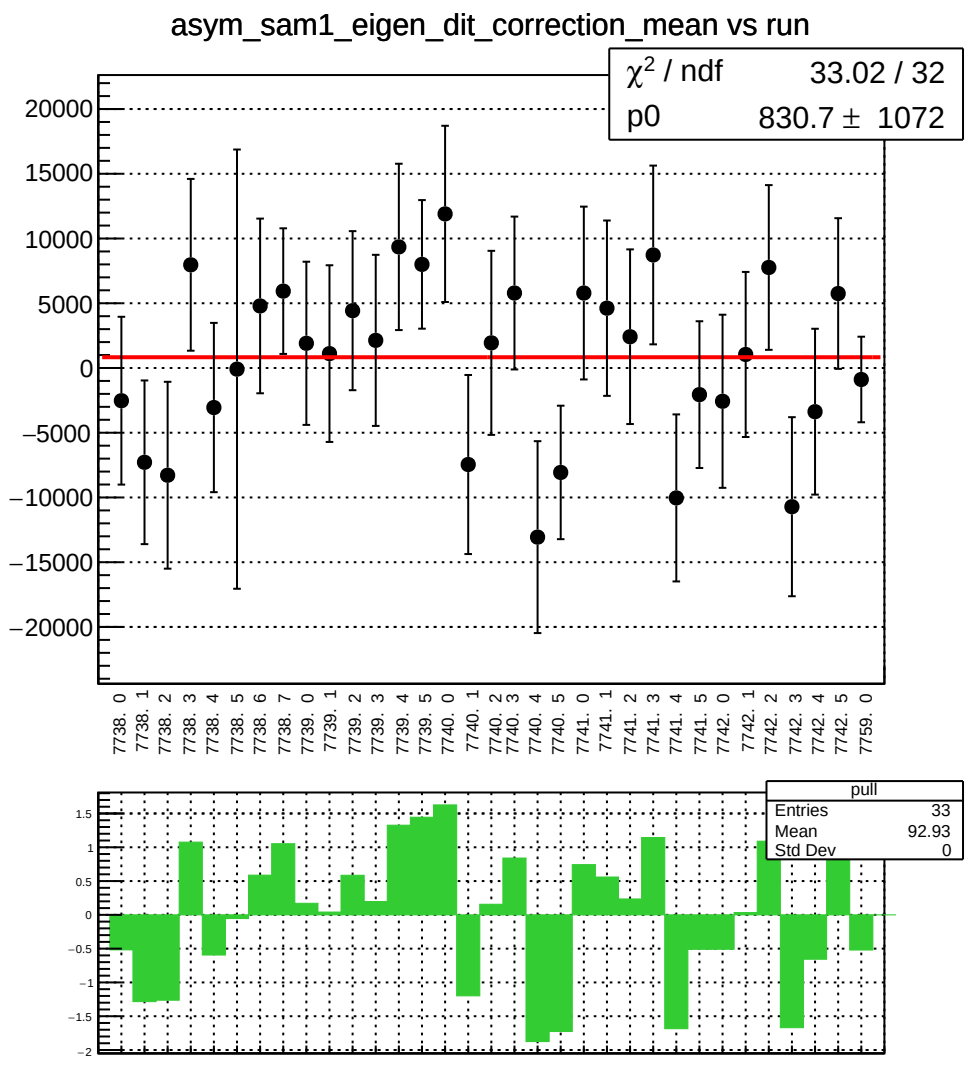

pull1D
Entries 33
Mean −0.009264
Std Dev 1
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

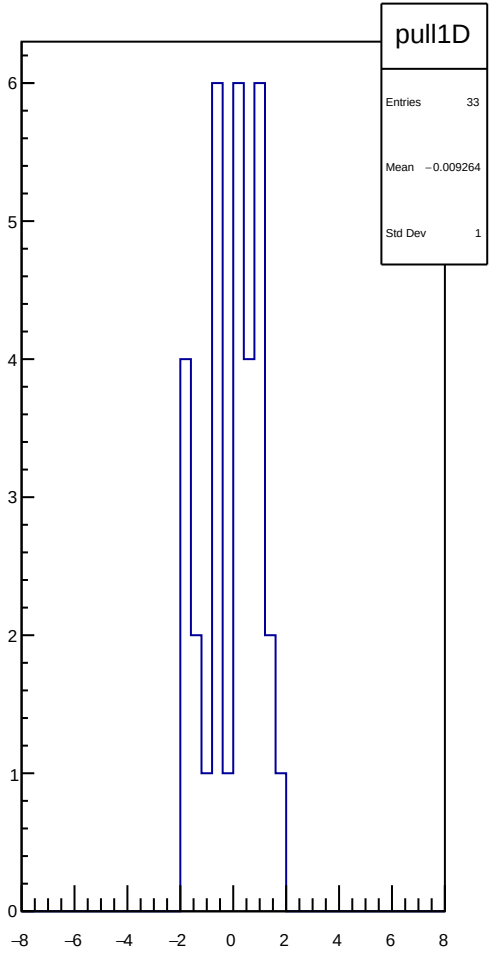

asym_sam1_dit_correction_rms vs run
χ² / ndf 1.376e+04 / 32
p0 610.6 ± 0.7579
1600
1400
1200
1000
800
600
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

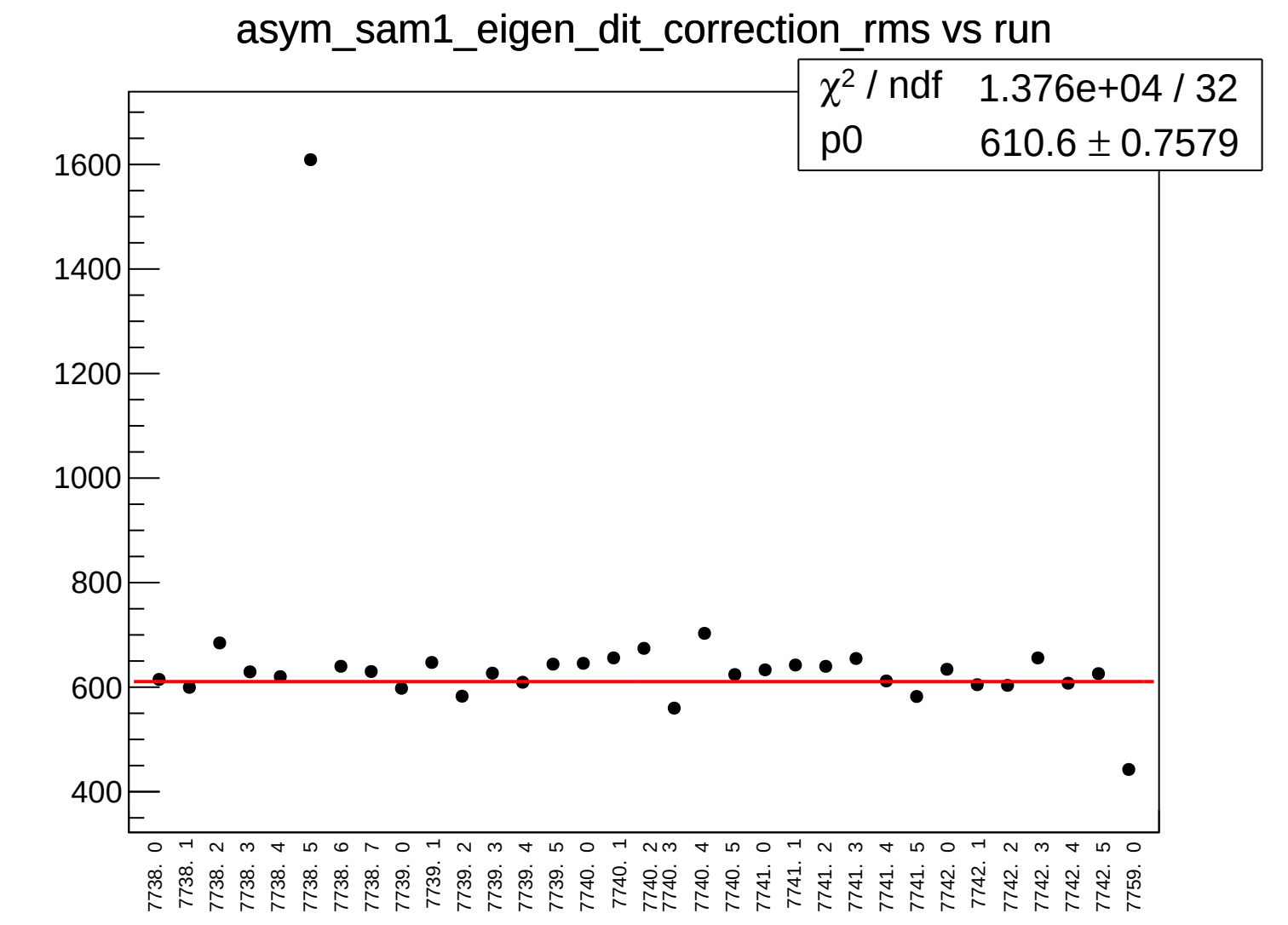

eigen_dit_asym_sam1_mean vs run
χ² / ndf 38.19 / 32
p0 105.2 ± 156.1
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 85.62
Std Dev 0
3
2
1
0
−1
−2

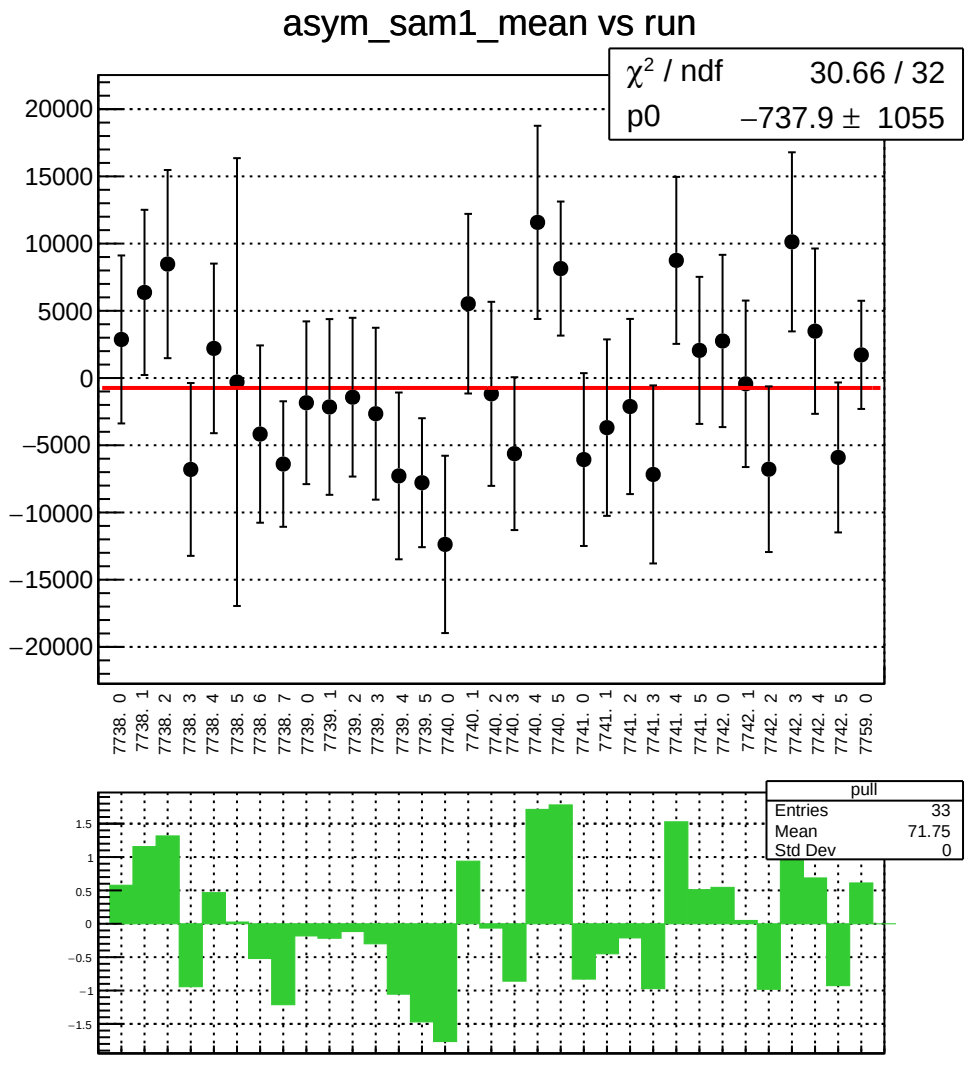

pull1D
Entries 33
Mean 0.007683
Std Dev 1.076
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

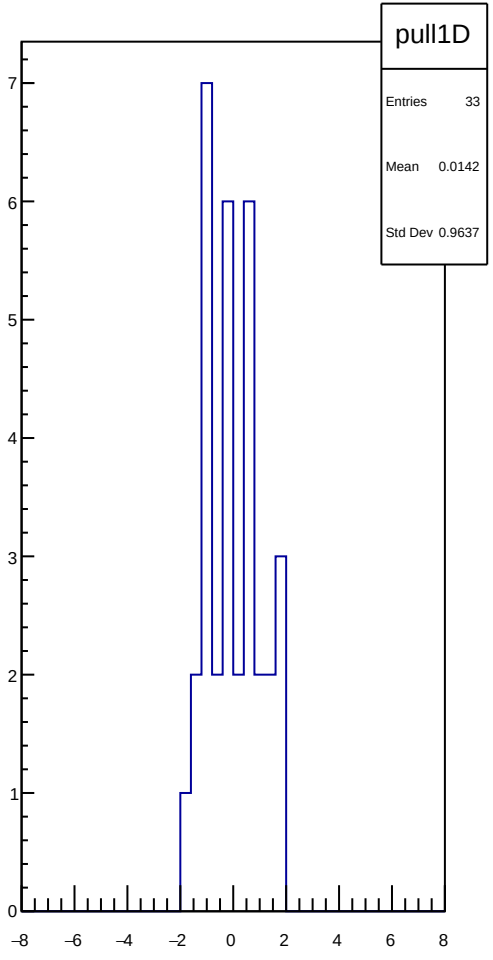

eigen_dit_asym_sam1_rms vs run
χ² / ndf 4892 / 32
p0 89.51 ± 0.1104
130
120
110
100
90
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

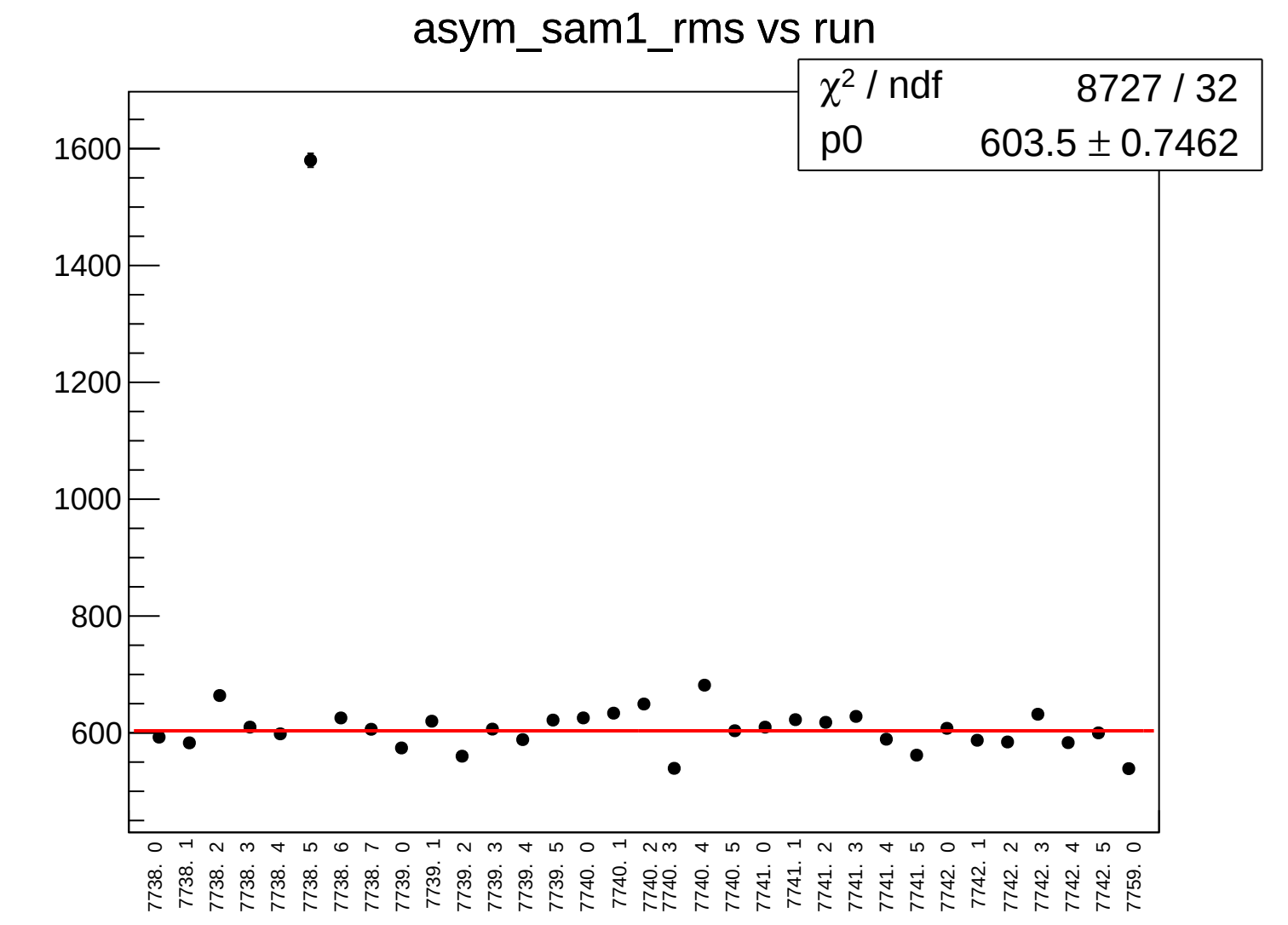

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 33.02 / 32
p0 830.7 ± 1072
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 92.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

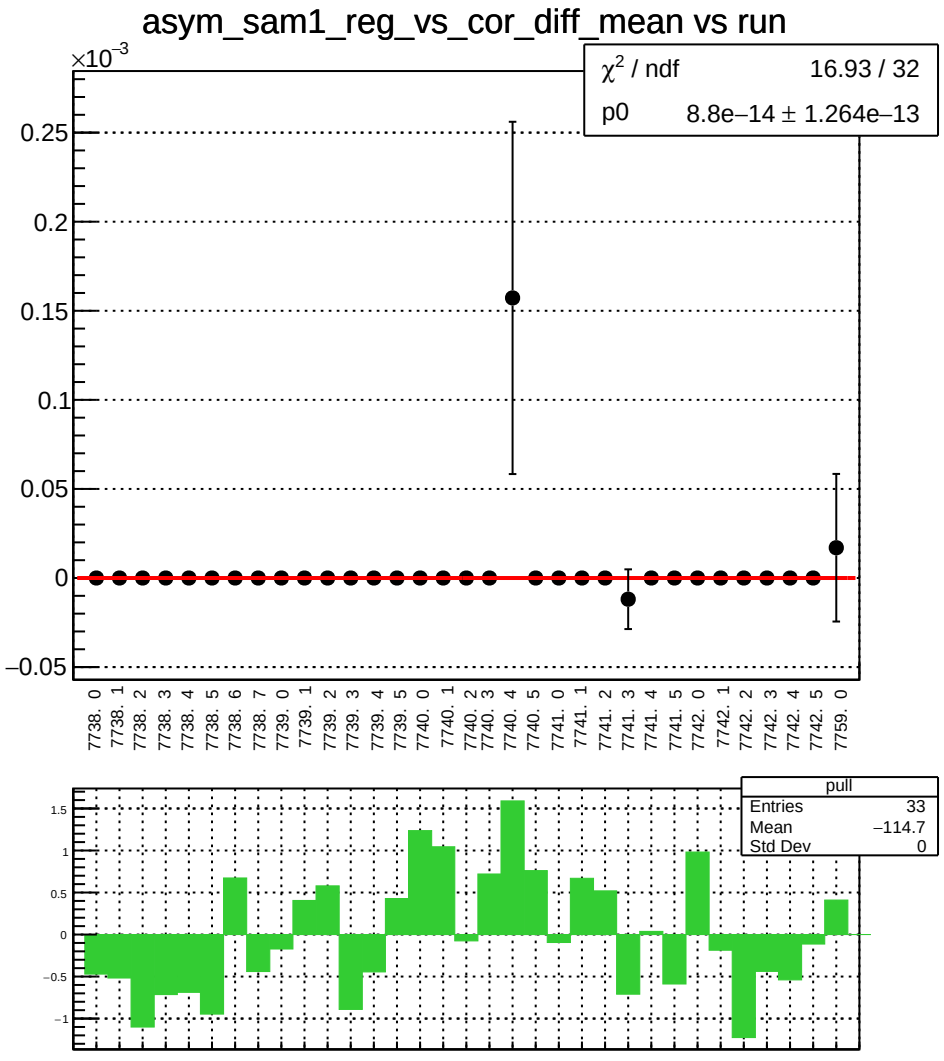

pull1D
Entries 33
Mean −0.009264
Std Dev 1
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

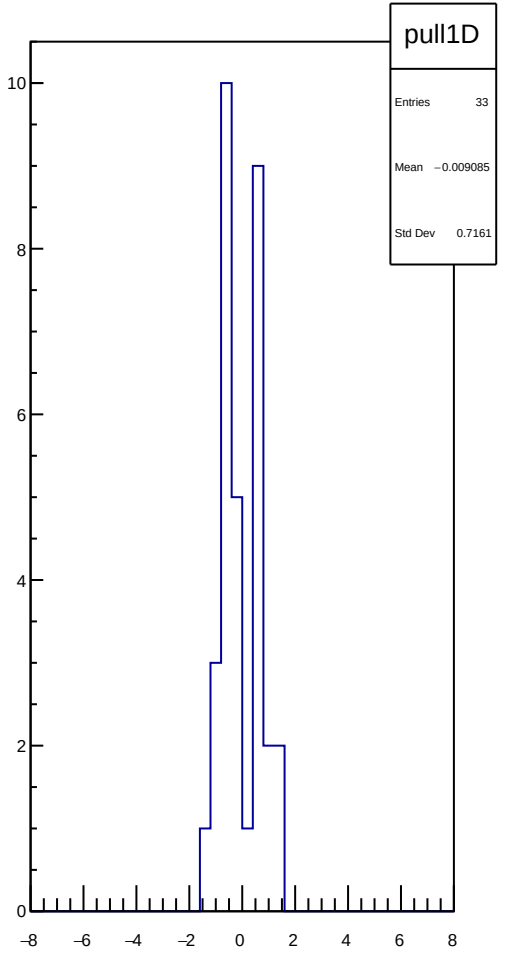

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 1.376e+04 / 32
p0 610.6 ± 0.7579
1600
1400
1200
1000
800
600
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

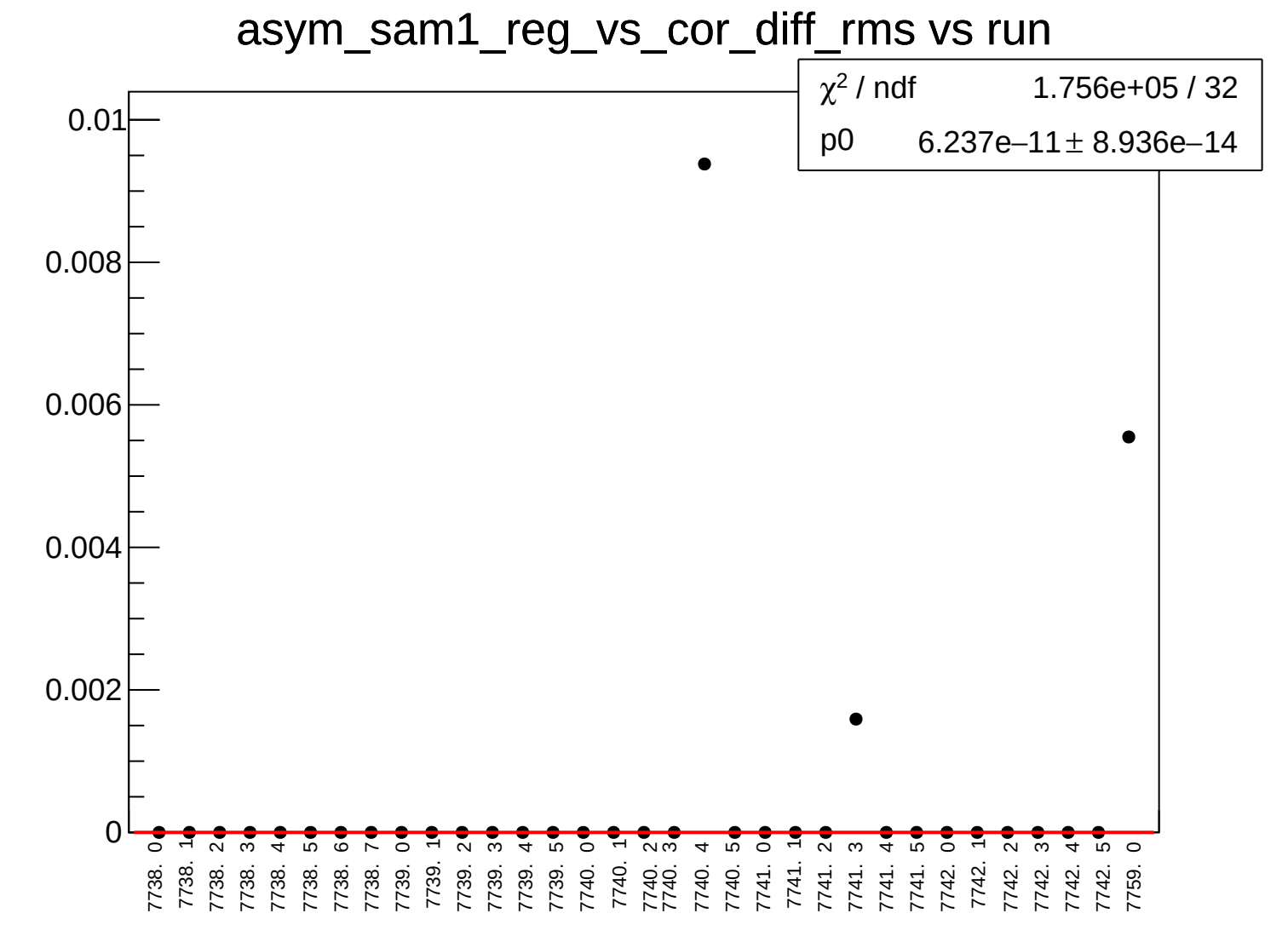

asym_sam1_mean vs run
χ² / ndf 30.66 / 32
p0 −737.9 ± 1055
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 71.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

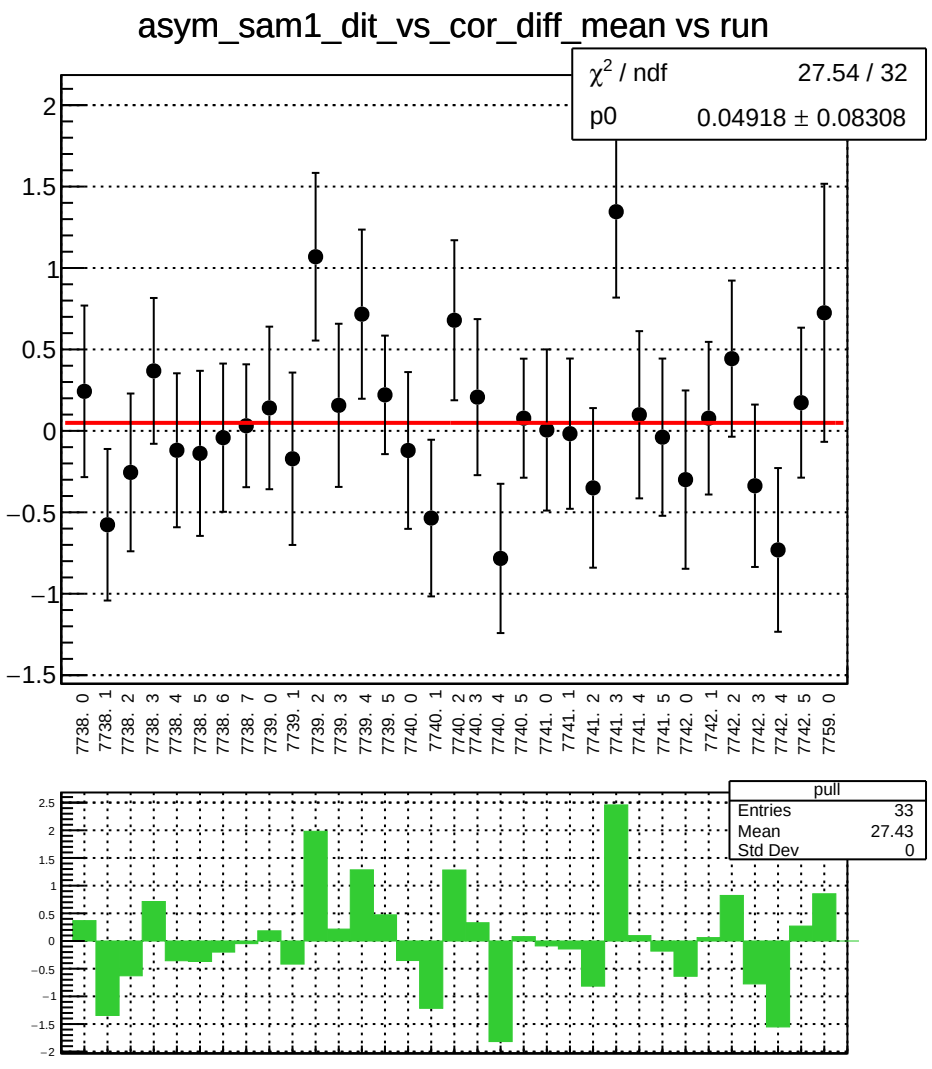

pull1D
Entries 33
Mean 0.0142
Std Dev 0.9637
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

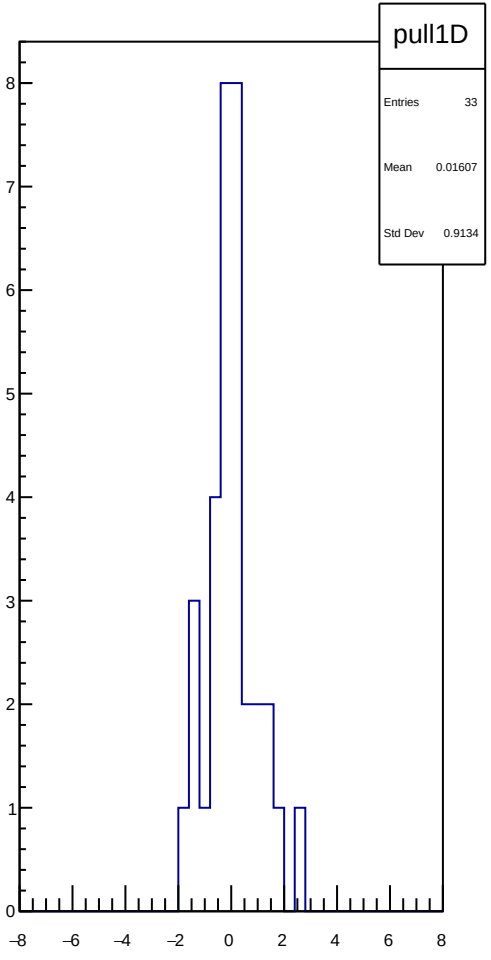

asym_sam1_rms vs run
χ² / ndf 8727 / 32
p0 603.5 ± 0.7462
1600
1400
1200
1000
800
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

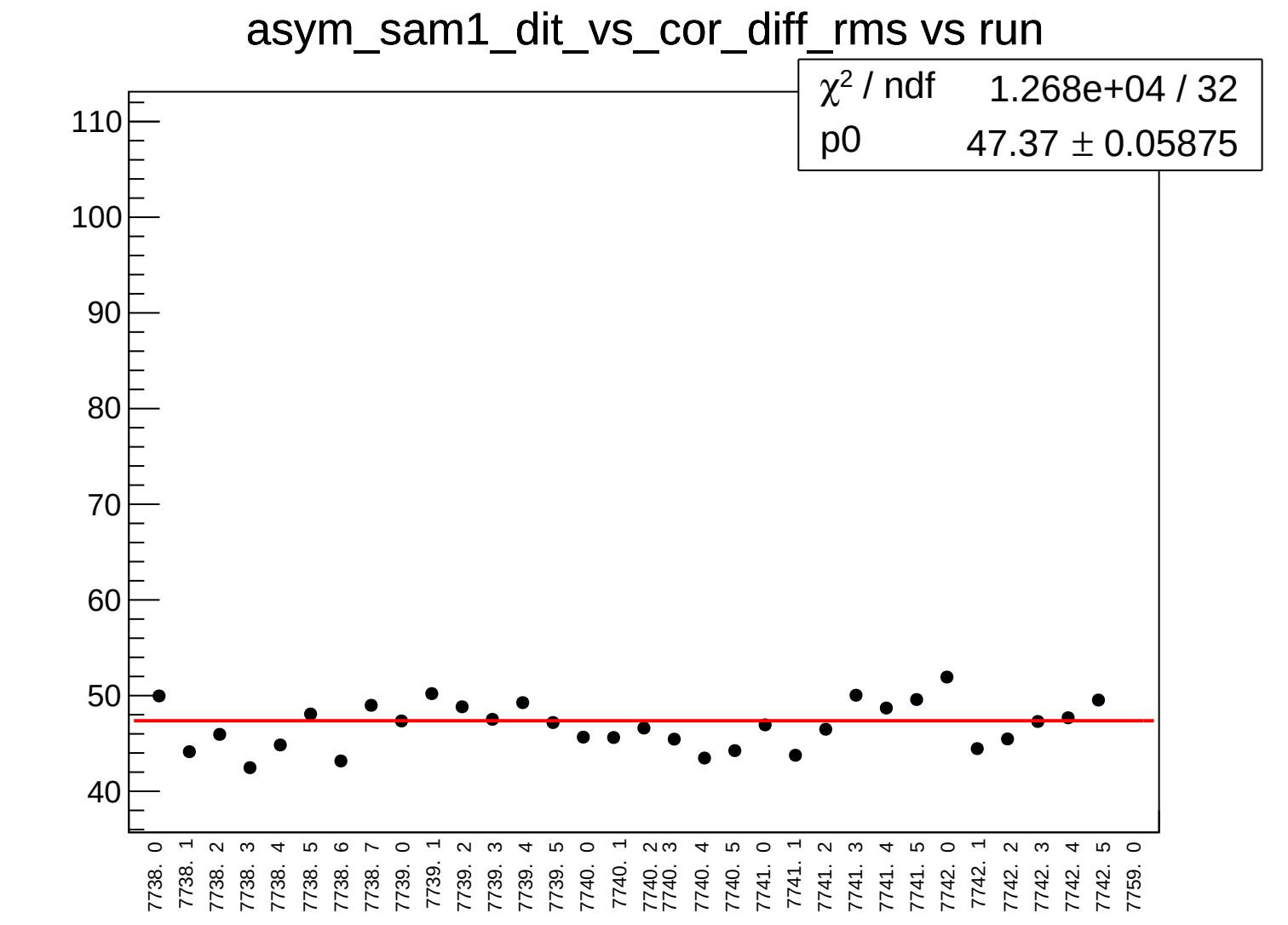

asym_sam1_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 16.93 / 32
p0 8.8e−14 ± 1.264e−13
0.25
0.2
0.15
0.1
0.05
0
−0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −114.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

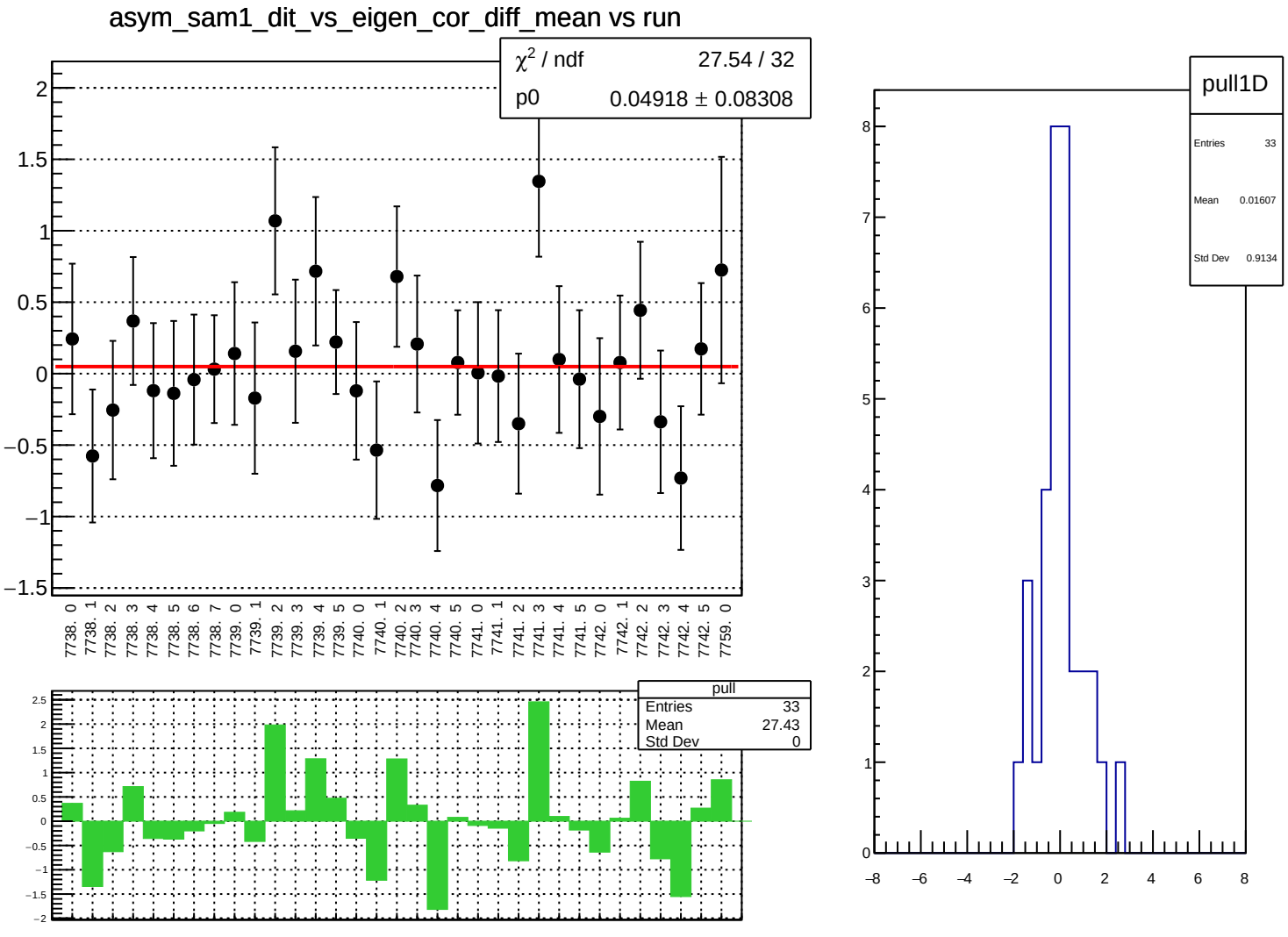

pull1D
Entries 33
Mean −0.009085
Std Dev 0.7161
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

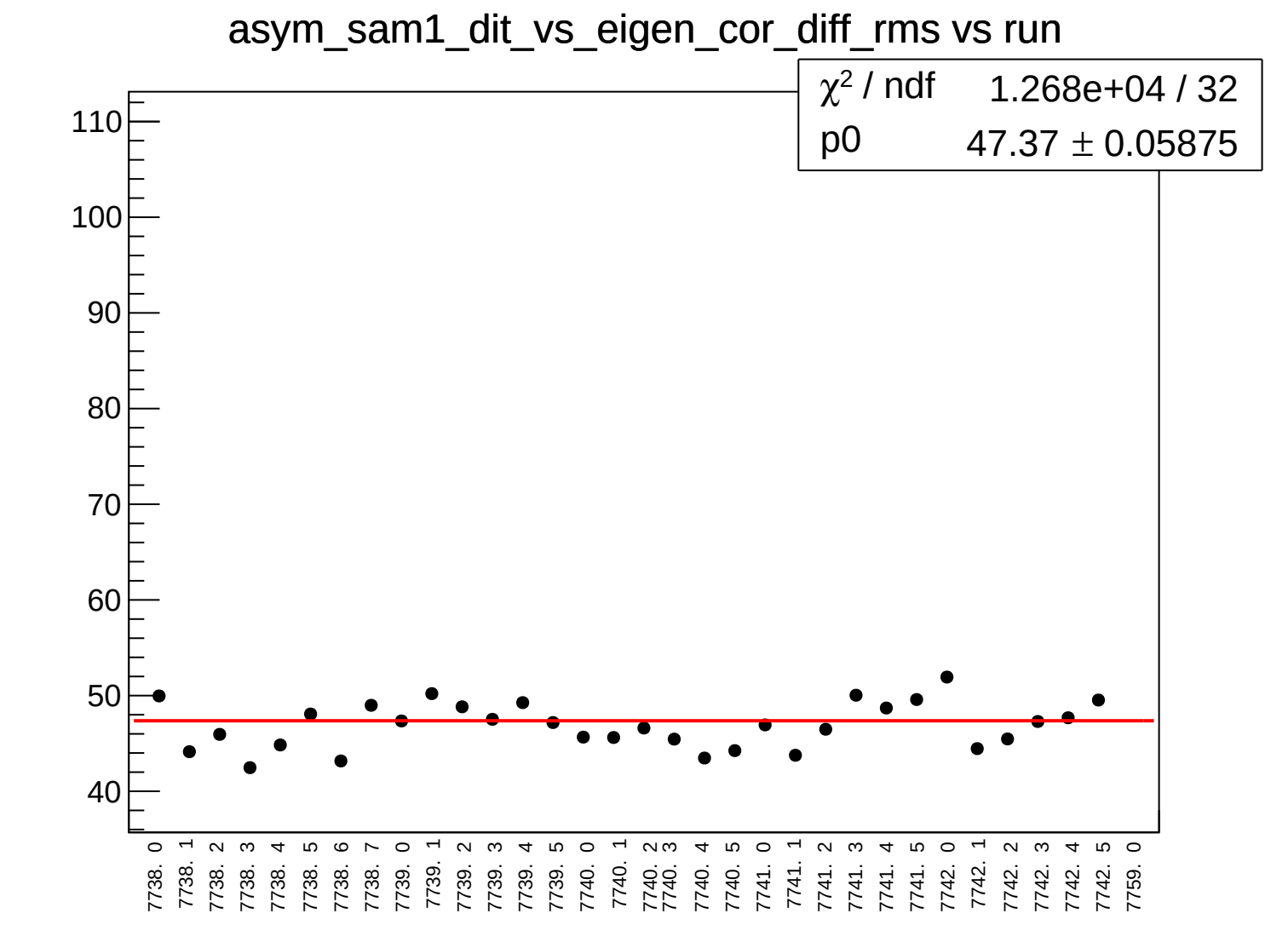

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 1.756e+05 / 32
p0 6.237e−11 ± 8.936e−14
0.01
0.008
0.006
0.004
0.002
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

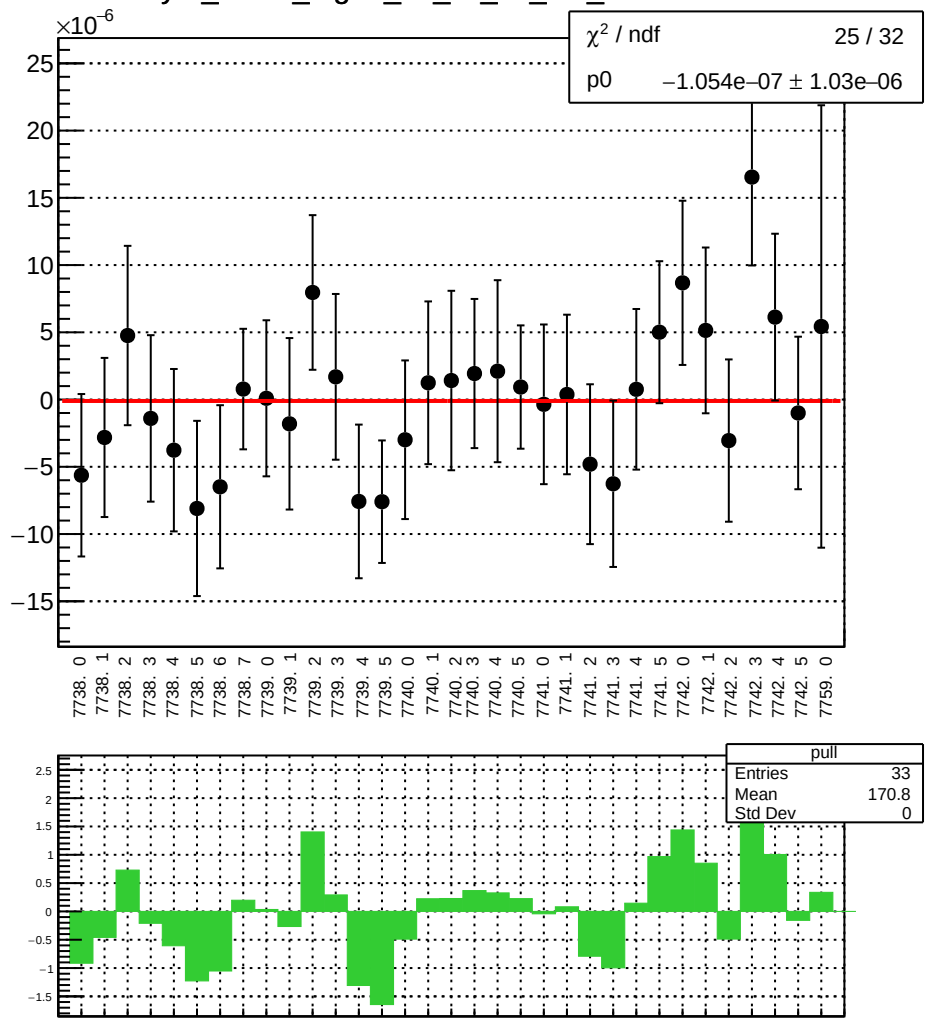

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 27.54 / 32
p0 0.04918 ± 0.08308
pull
Entries 33
Mean 27.43
Std Dev 0

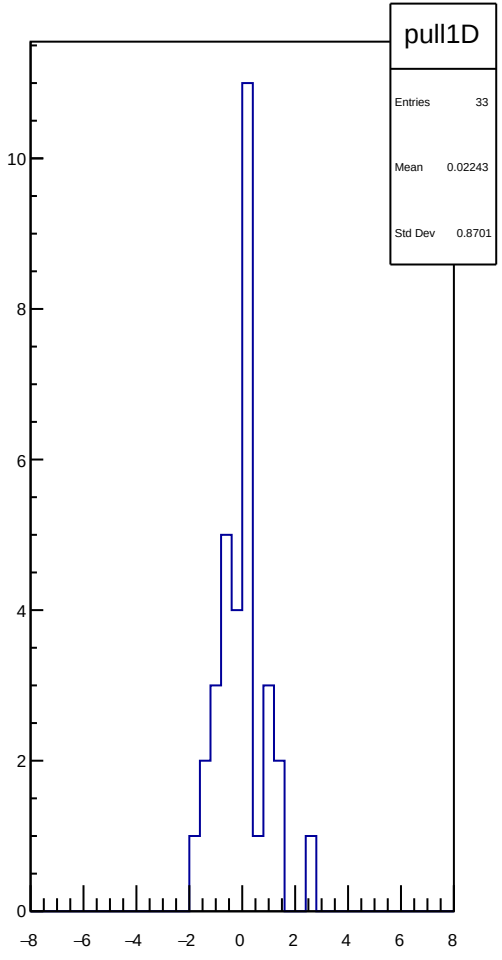

pull1D
Entries 33
Mean 0.01607
Std Dev 0.9134

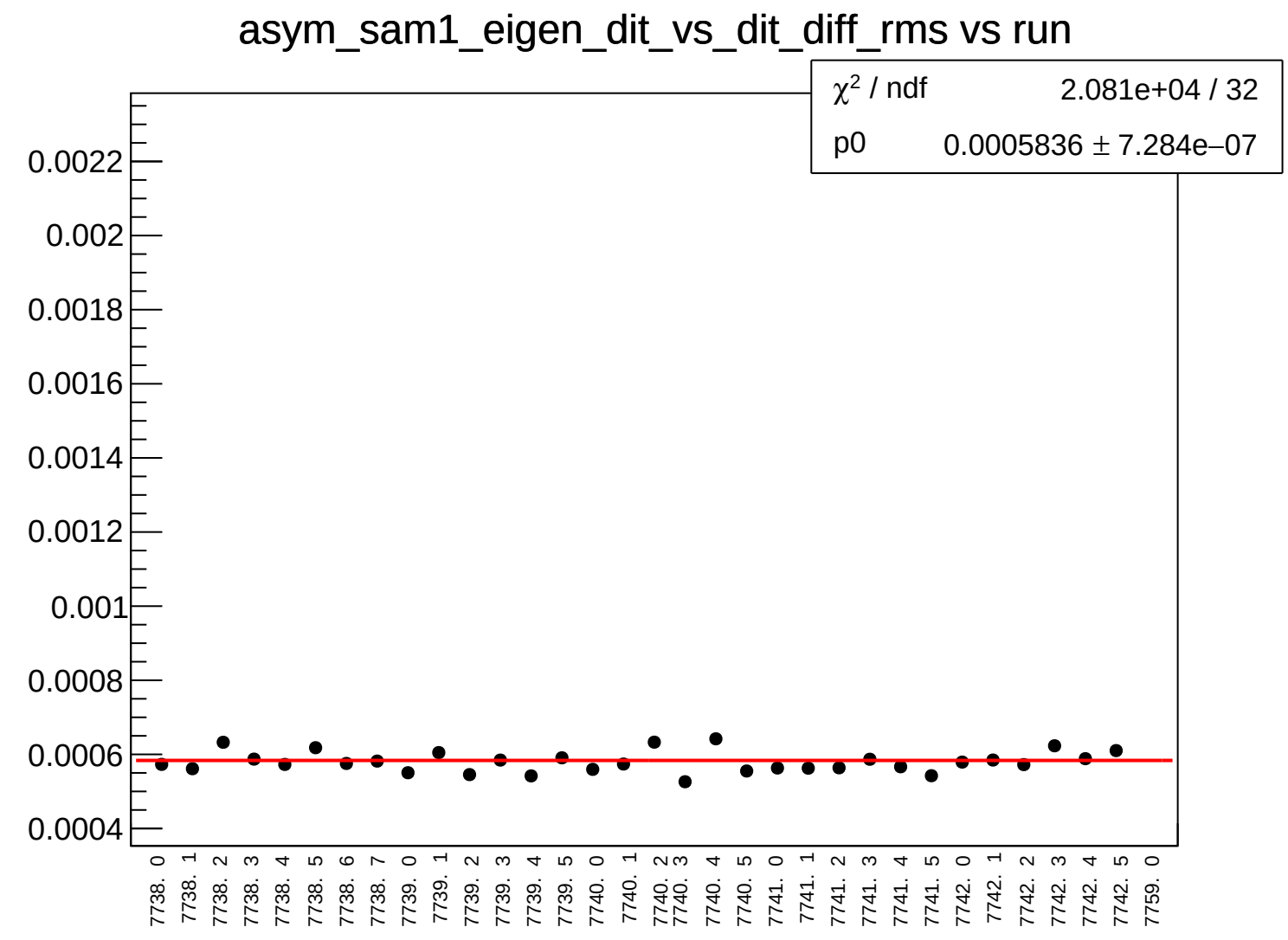

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.268e+04 / 32
p0 47.37 ± 0.05875
110
100
90
80
70
60
50
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

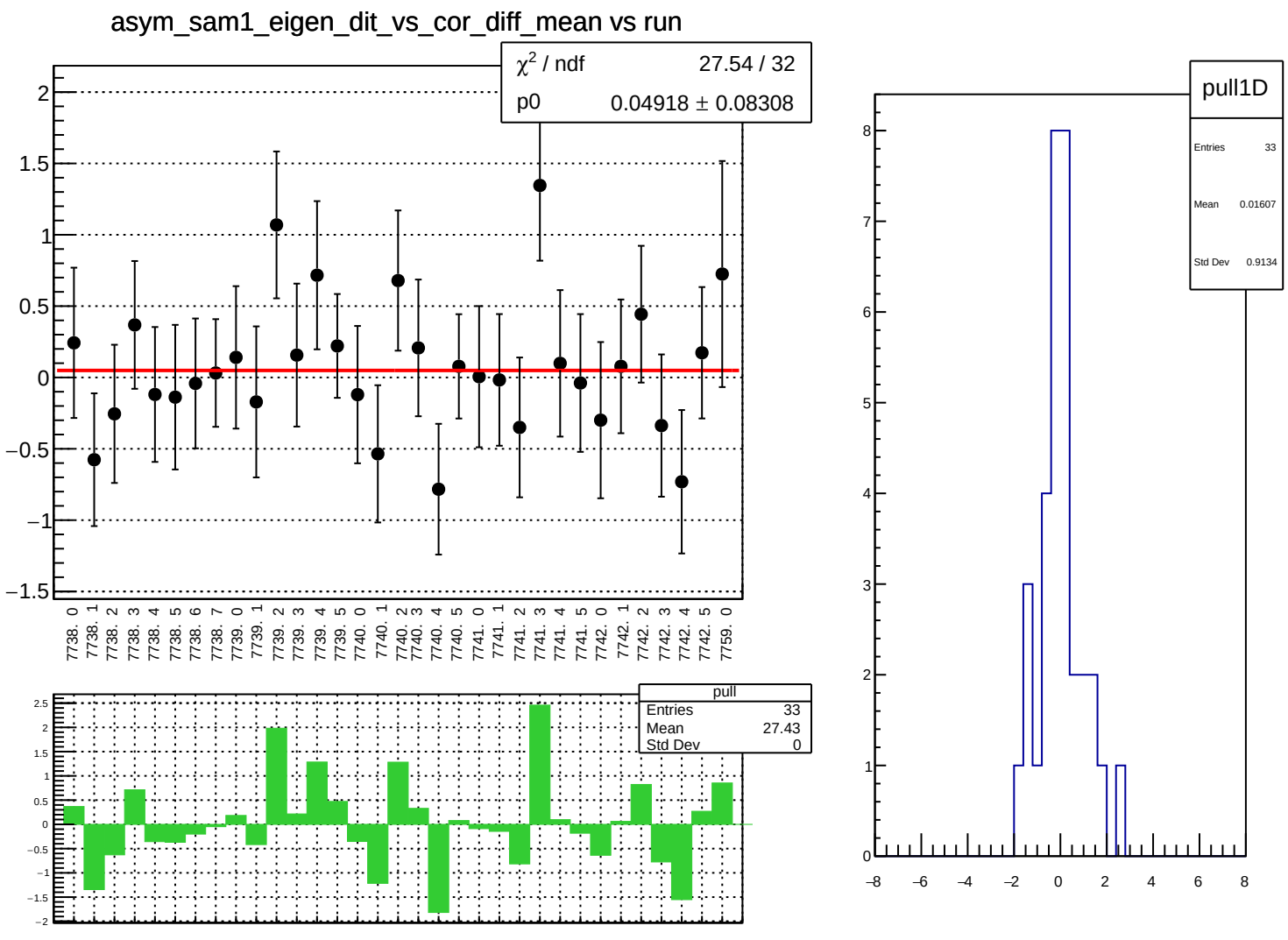

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.54 / 32
p0 0.04918 ± 0.08308
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.43
Std Dev 0
pull1D
Entries 33
Mean 0.01607
Std Dev 0.9134

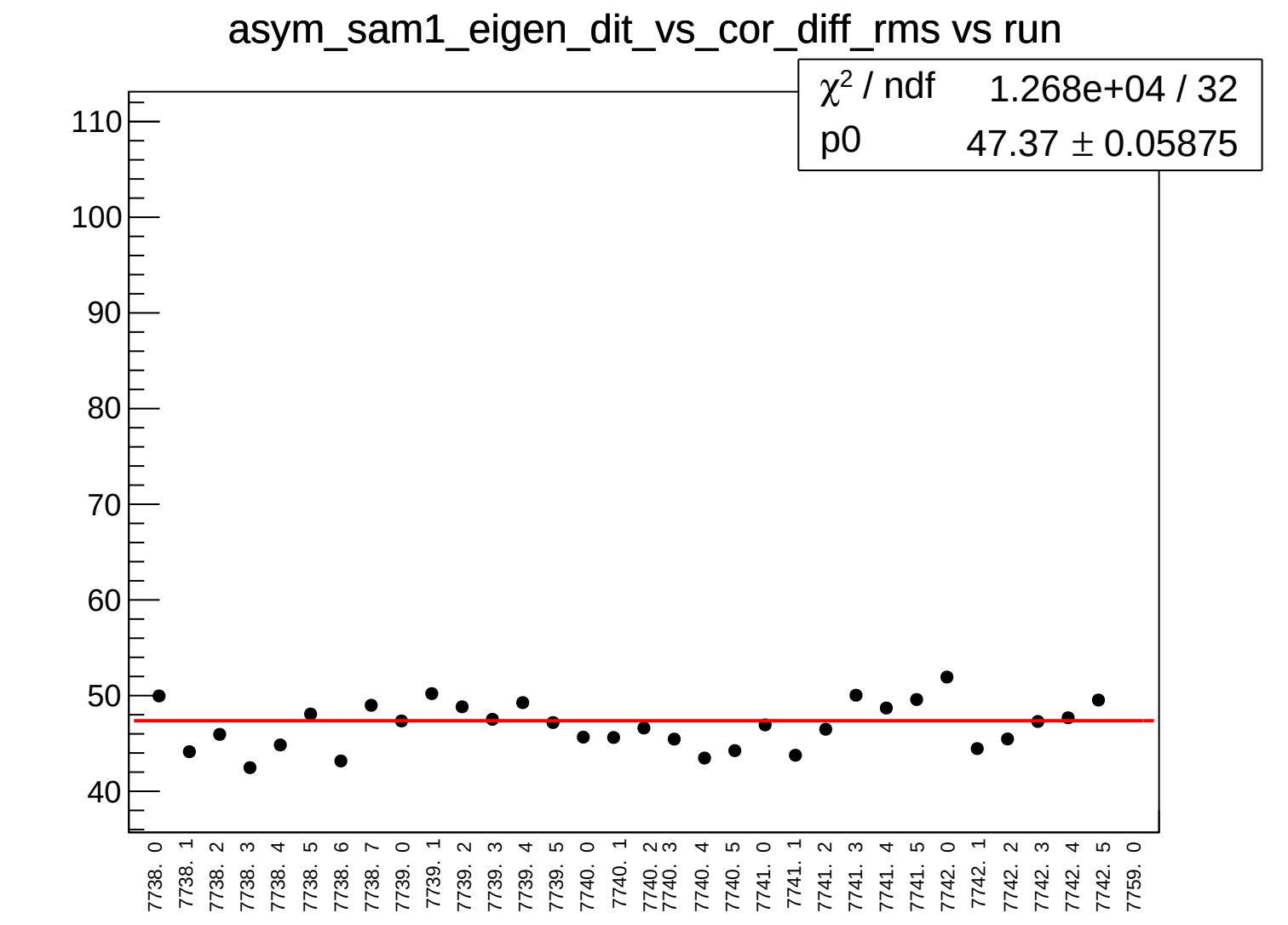

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.268e+04 / 32
p0 47.37 ± 0.05875
110
100
90
80
70
60
50
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

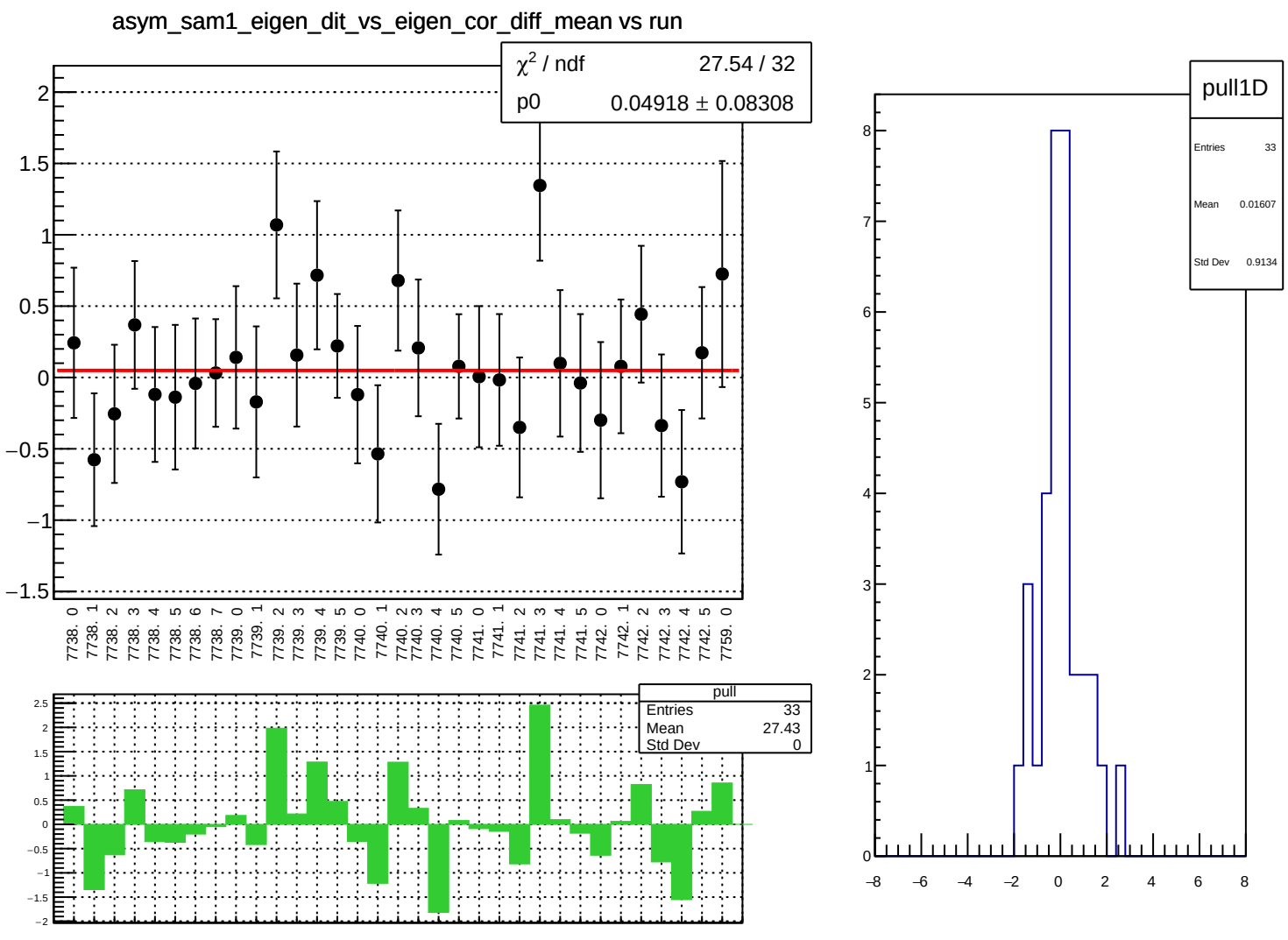

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 25 / 32
p0 −1.054e−07 ± 1.03e−06
pull
Entries 33
Mean 170.8
Std Dev 0

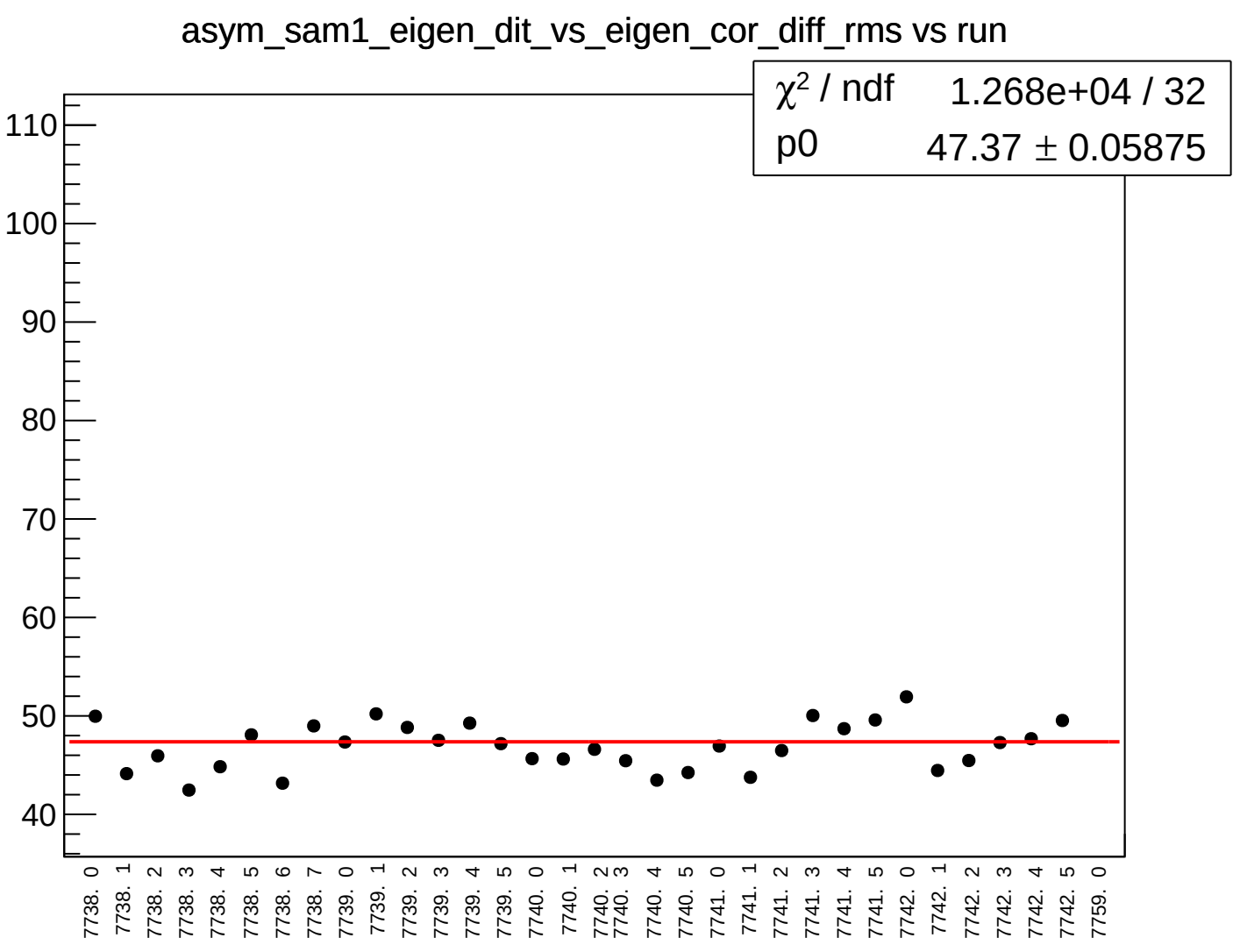

pull1D
Entries 33
Mean 0.02243
Std Dev 0.8701

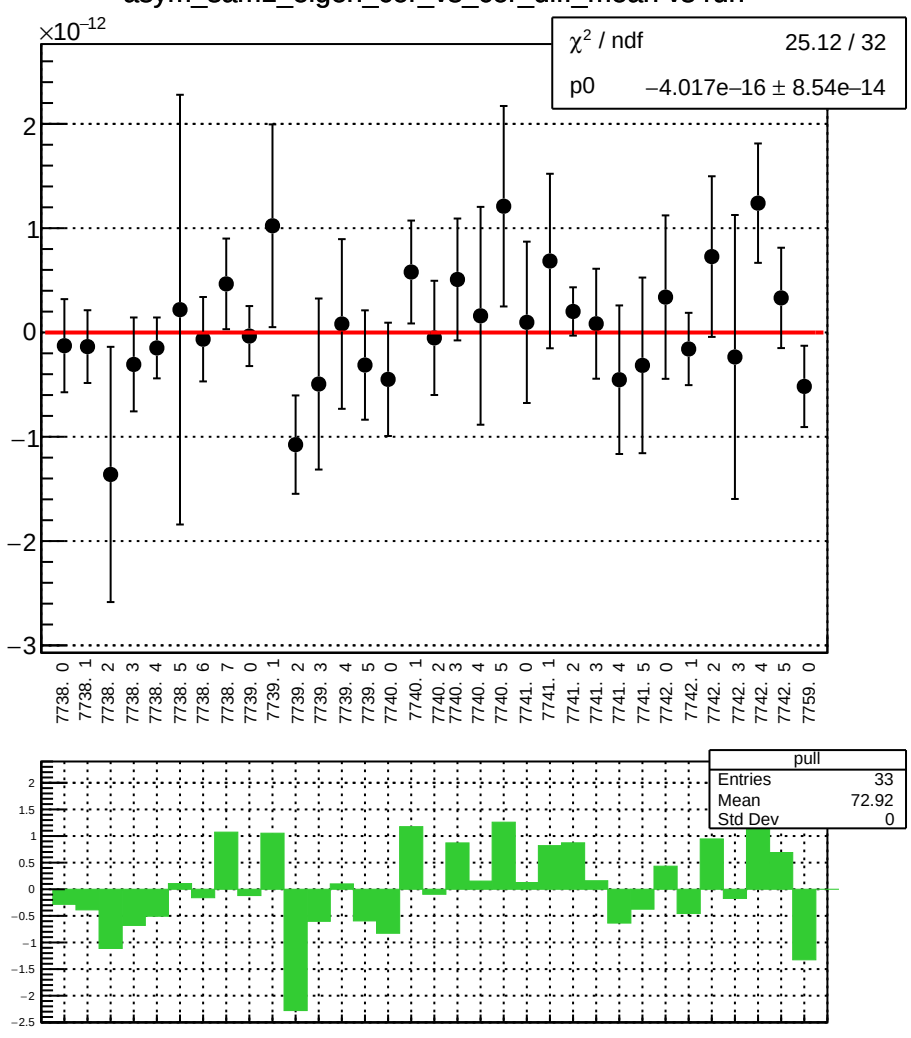

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.081e+04 / 32
p0 0.0005836 ± 7.284e−07
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

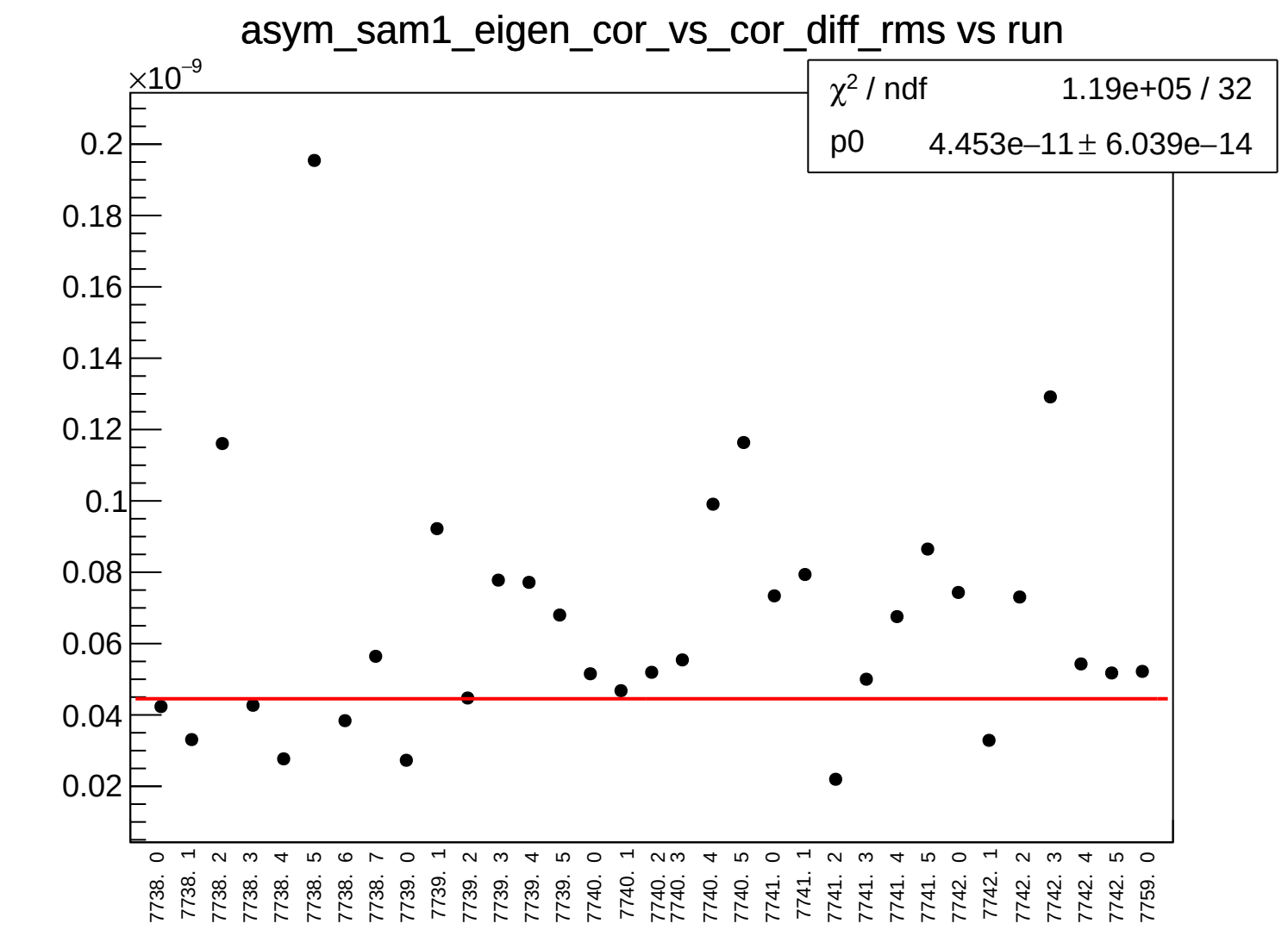

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.54 / 32
p0 0.04918 ± 0.08308
pull
Entries 33
Mean 27.43
Std Dev 0
pull1D
Entries 33
Mean 0.01607
Std Dev 0.9134

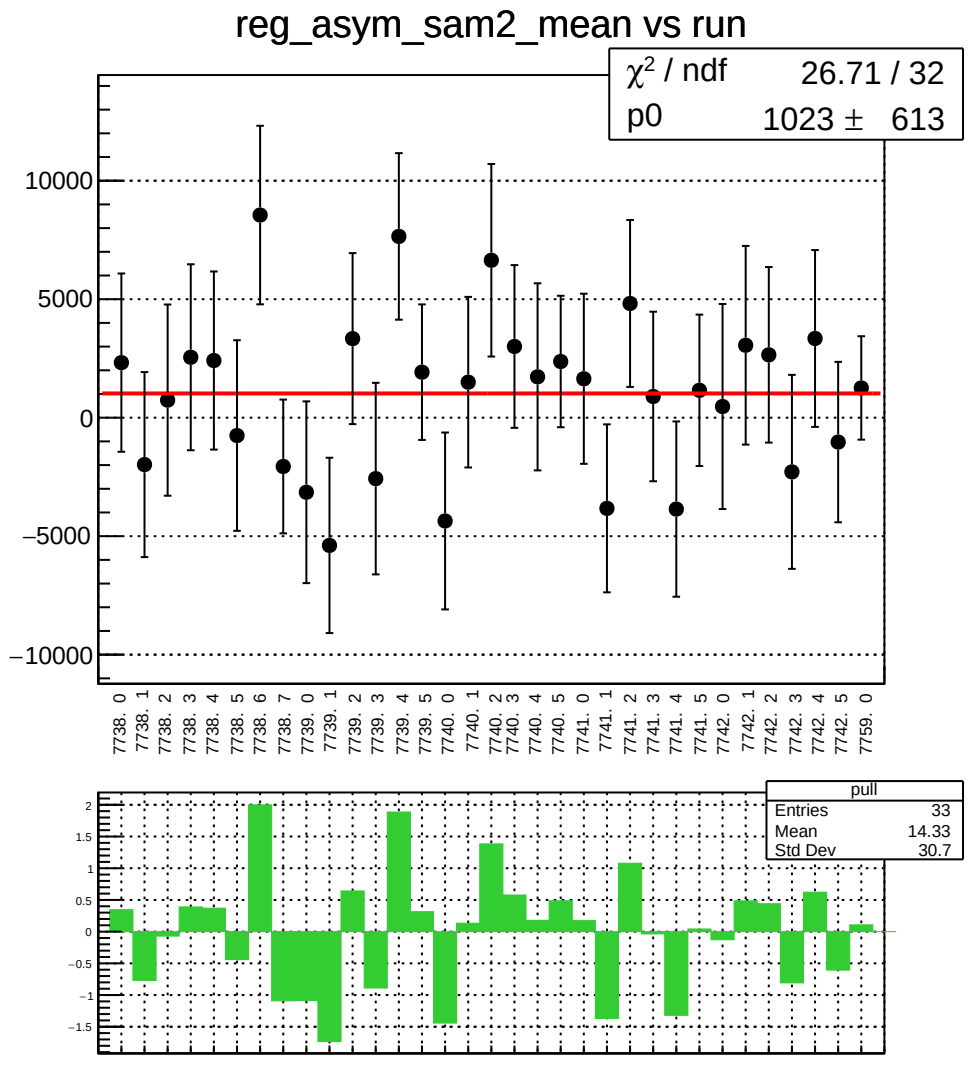

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.268e+04 / 32
p0 47.37 ± 0.05875
110
100
90
80
70
60
50
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

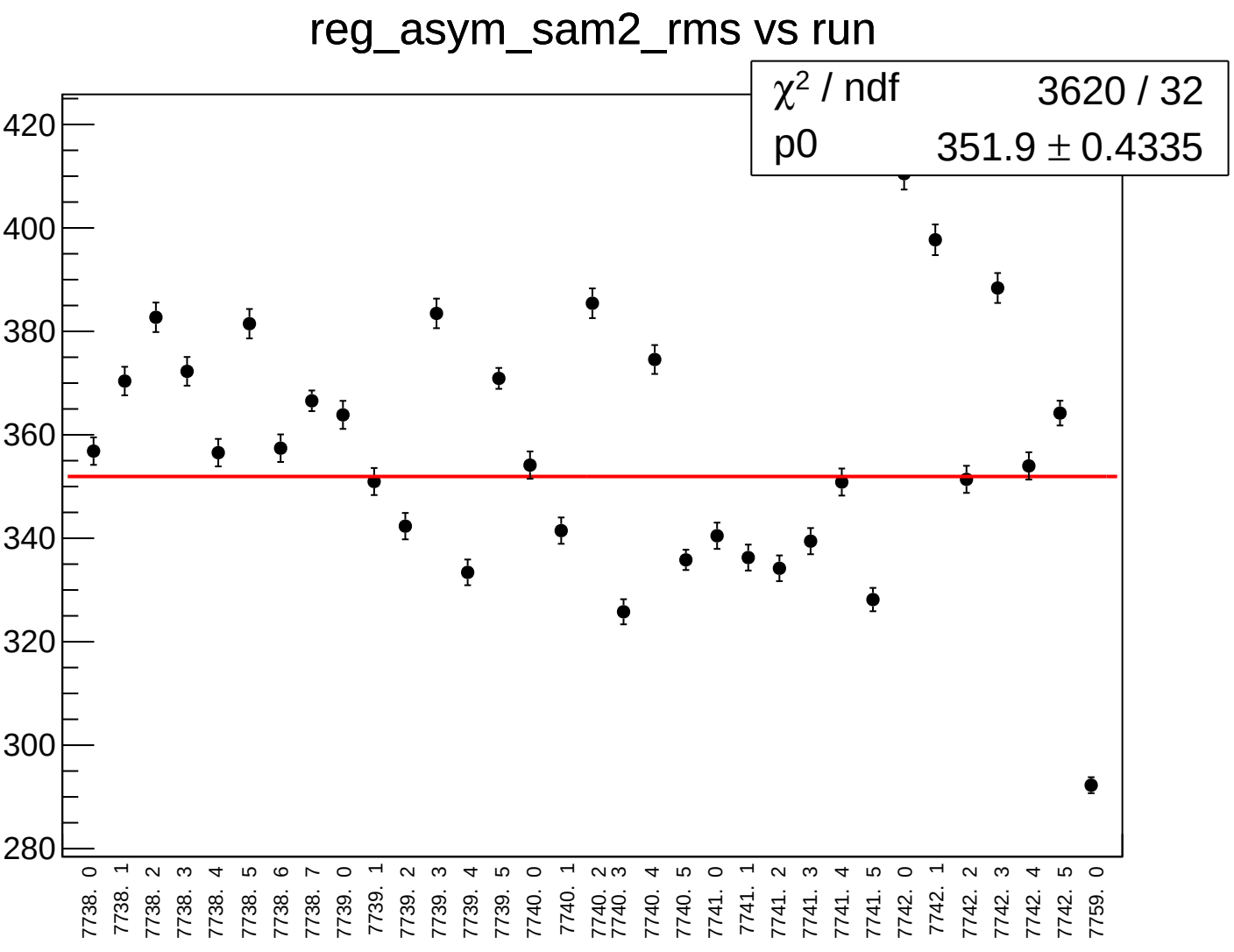

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.54 / 32
p0 0.04918 ± 0.08308
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.43
Std Dev 0
pull1D
Entries 33
Mean 0.01607
Std Dev 0.9134

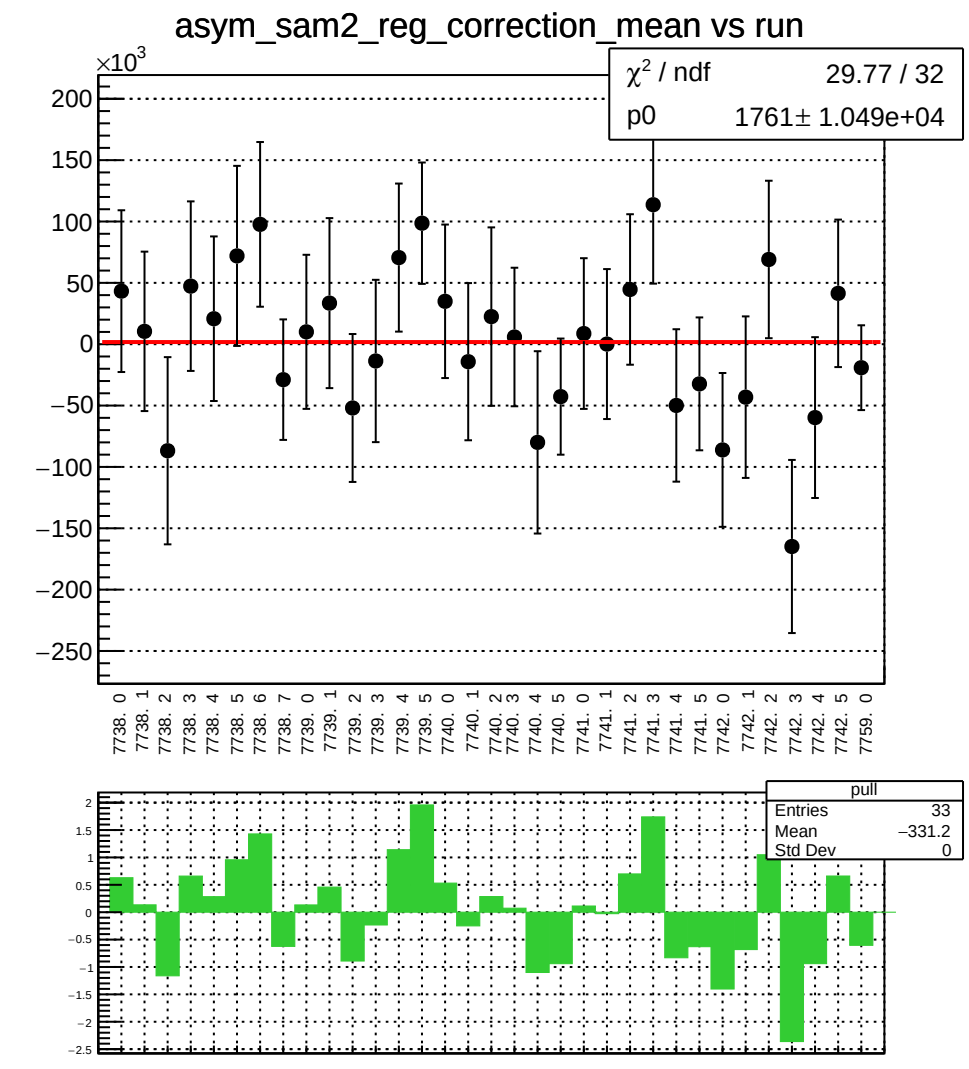

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.268e+04 / 32
p0 47.37 ± 0.05875
110
100
90
80
70
60
50
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

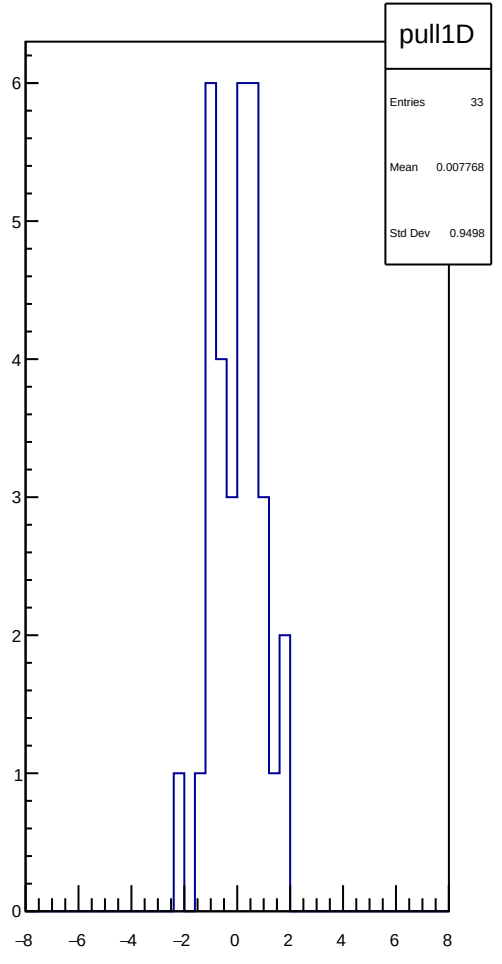

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 25.12 / 32
p0 −4.017e−16 ± 8.54e−14
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 72.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.04246
Std Dev 0.8715
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

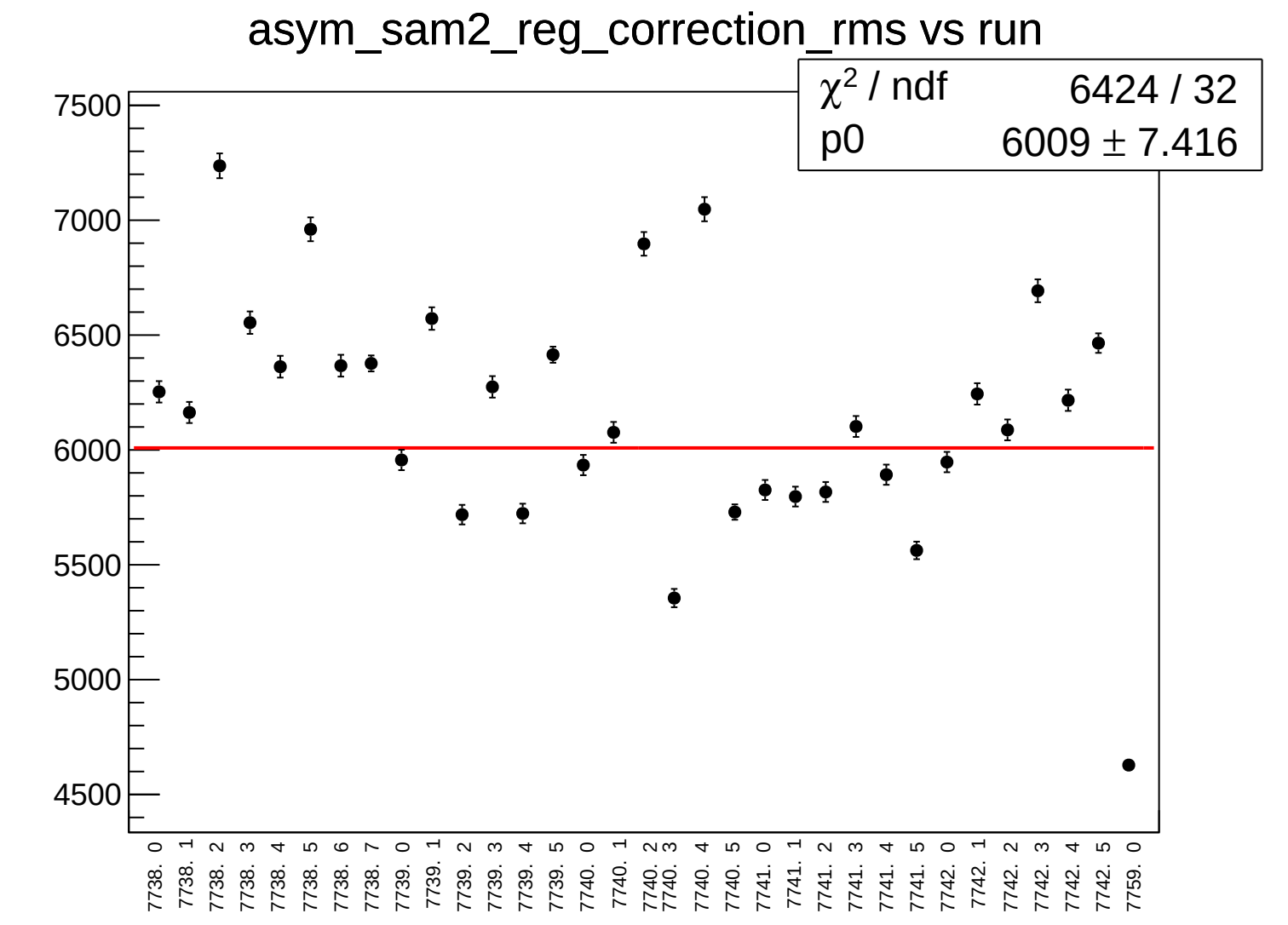

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.19e+05 / 32
p0 4.453e−11 ± 6.039e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

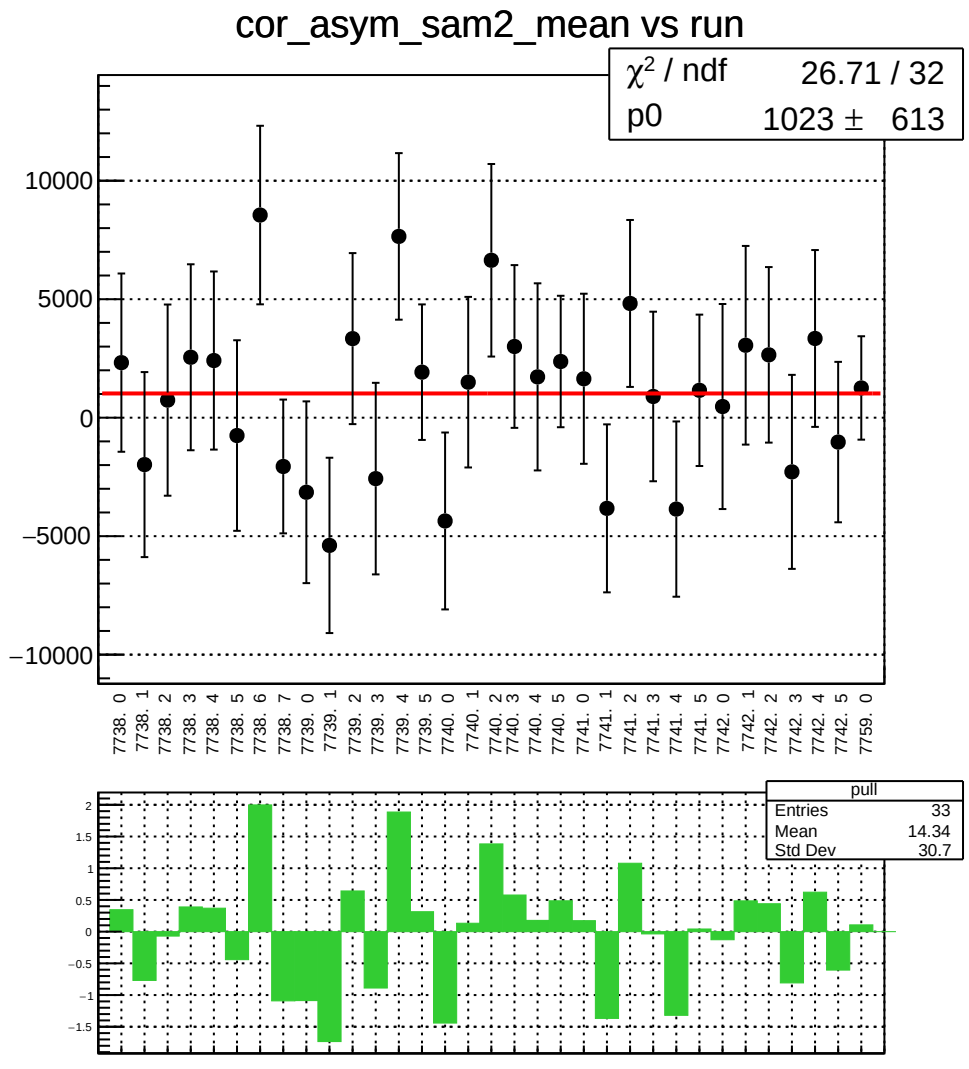

reg_asym_sam2_mean vs run
χ² / ndf 26.71 / 32
p0 1023 ± 613
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.33
Std Dev 30.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.004209
Std Dev 0.8996
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

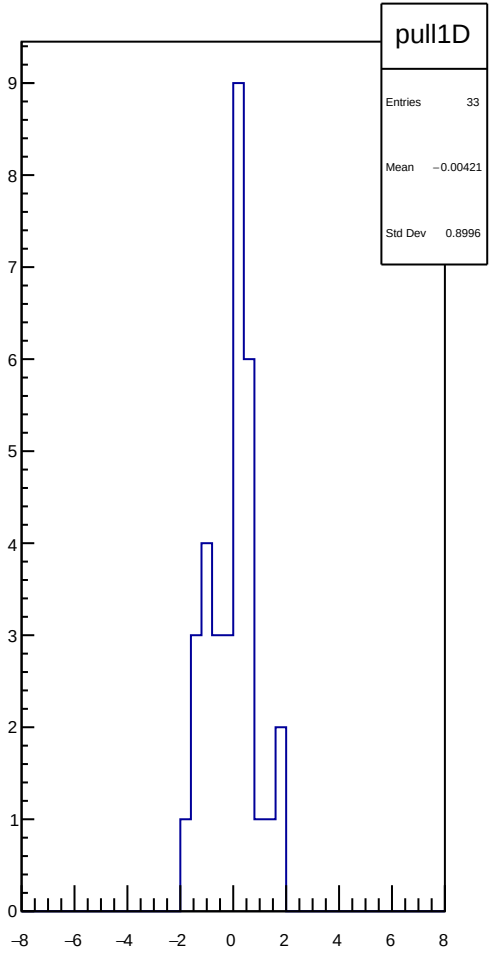

reg_asym_sam2_rms vs run
χ² / ndf 3620 / 32
p0 351.9 ± 0.4335
420
400
380
360
340
320
300
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

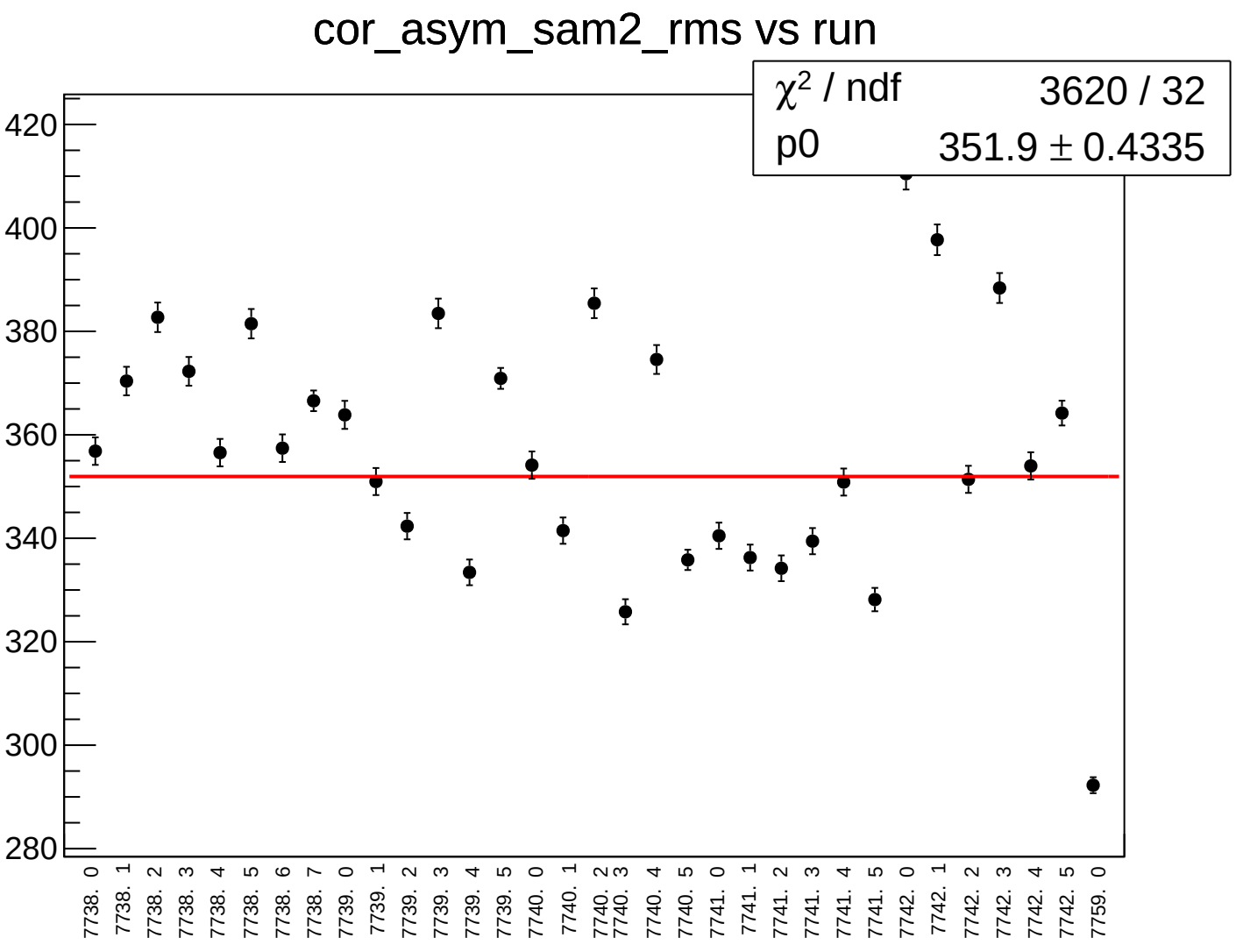

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 29.77 / 32
p0 1761± 1.049e+04
pull
Entries 33
Mean −331.2
Std Dev 0

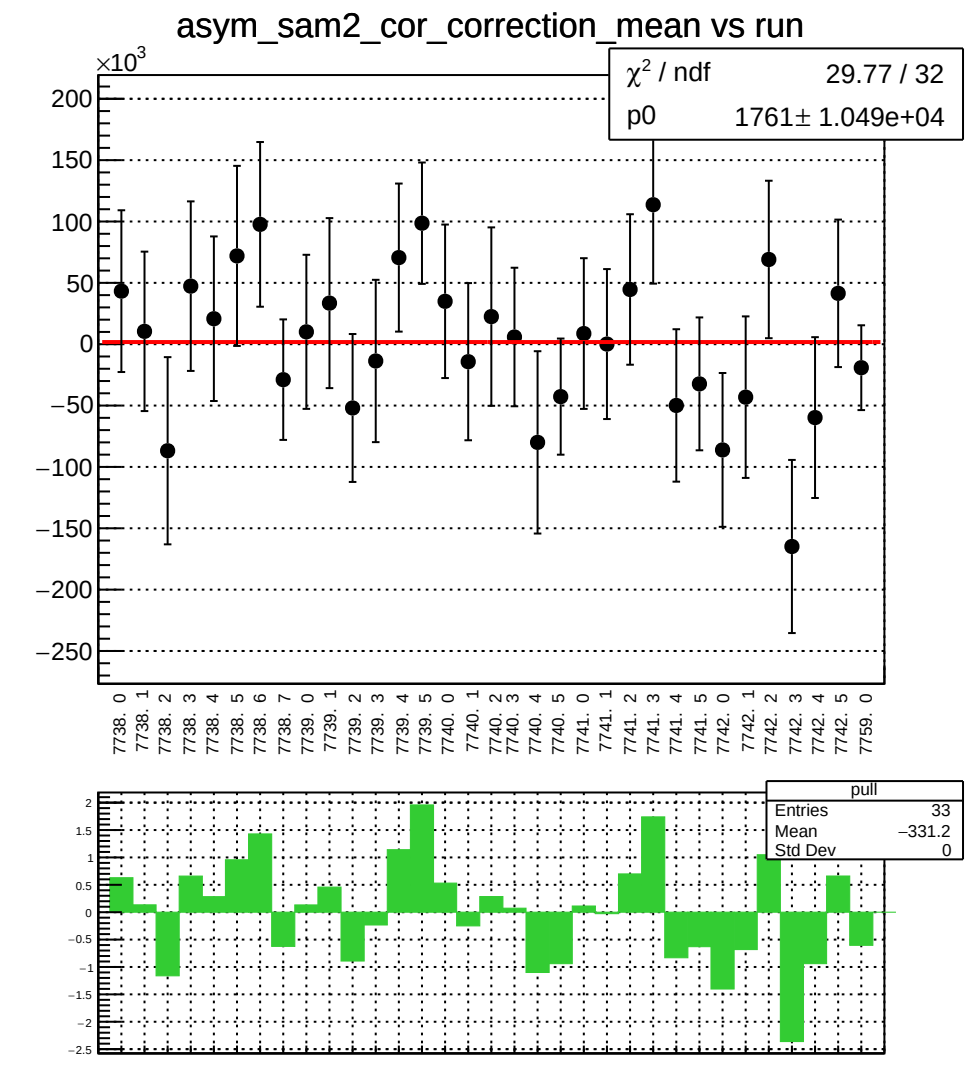

pull1D
Entries 33
Mean 0.007768
Std Dev 0.9498

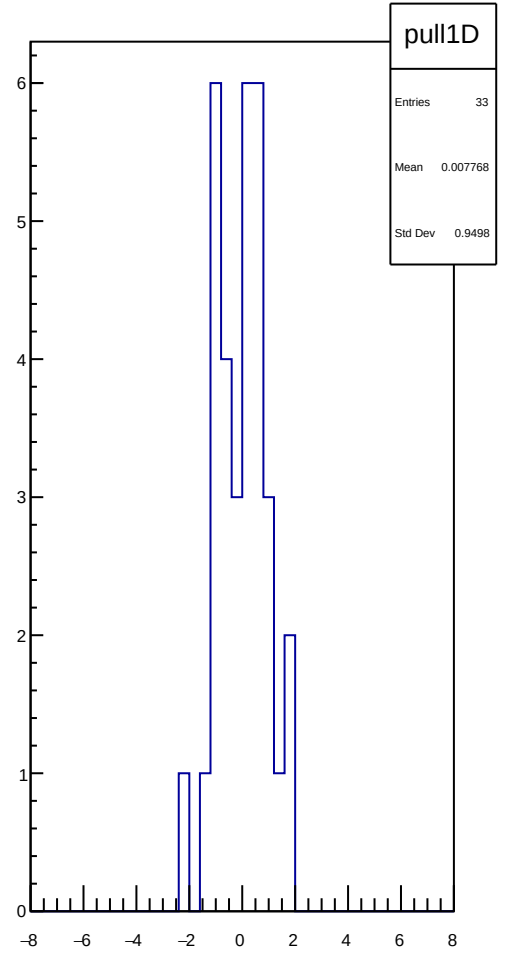

asym_sam2_reg_correction_rms vs run
χ² / ndf 6424 / 32
p0 6009 ± 7.416
7500
7000
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

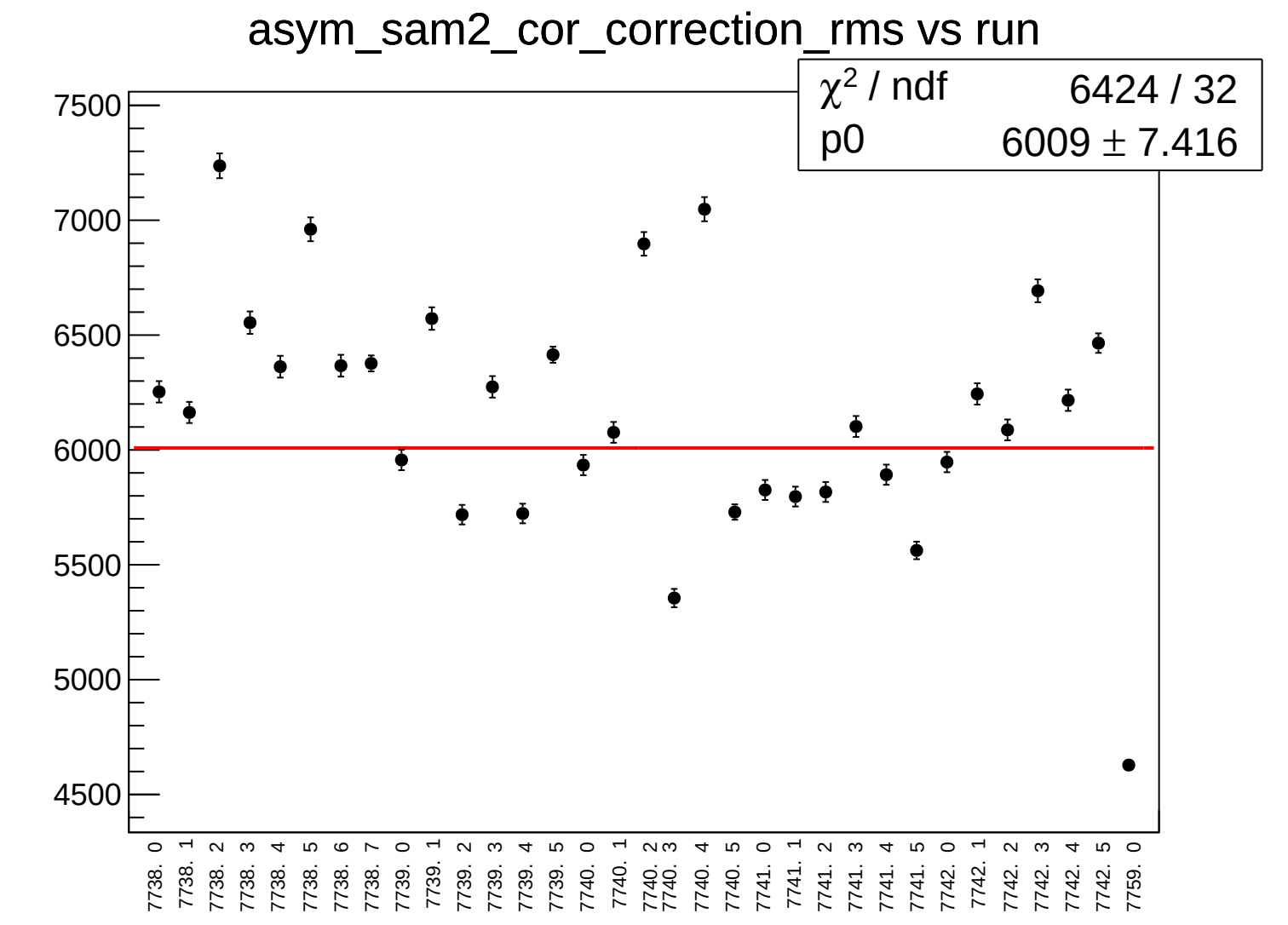

cor_asym_sam2_mean vs run
χ² / ndf 26.71 / 32
p0 1023 ± 613
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.34
Std Dev 30.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

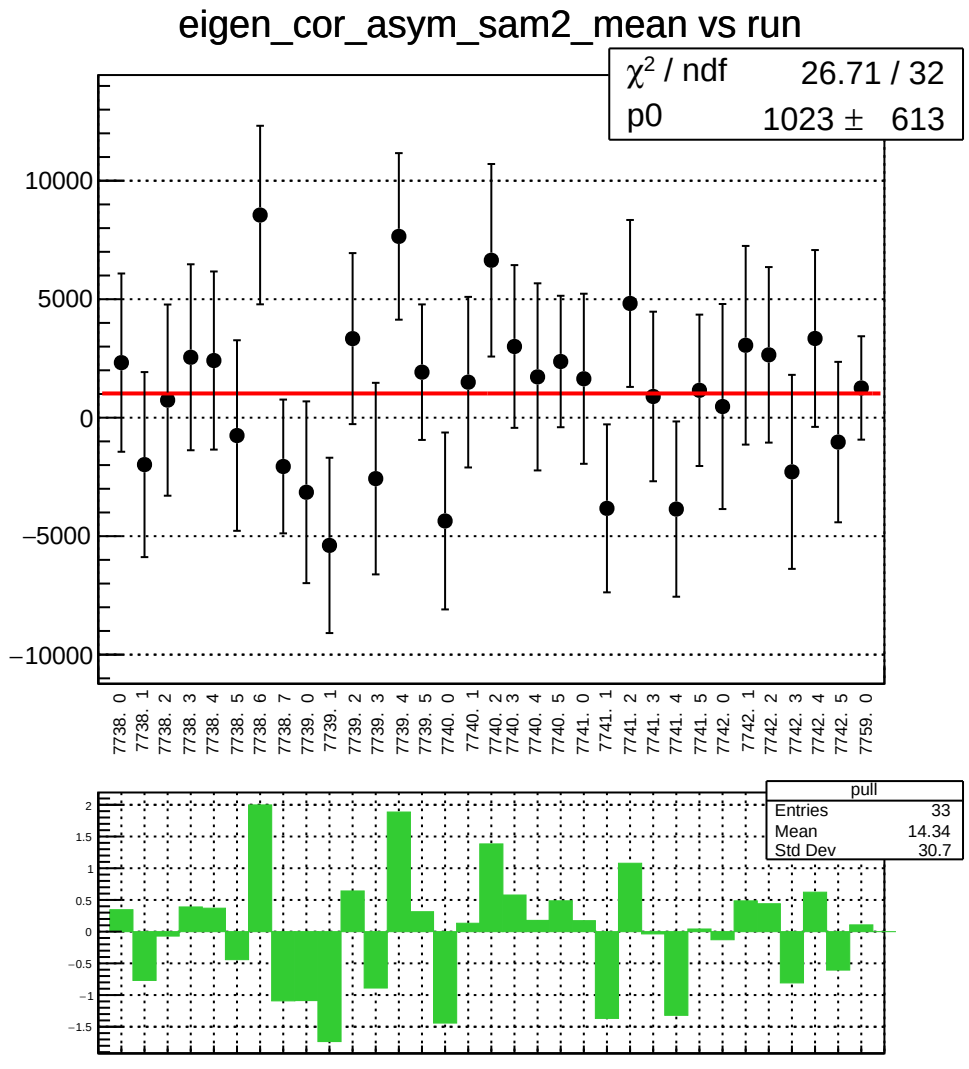

pull1D
Entries 33
Mean −0.00421
Std Dev 0.8996
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

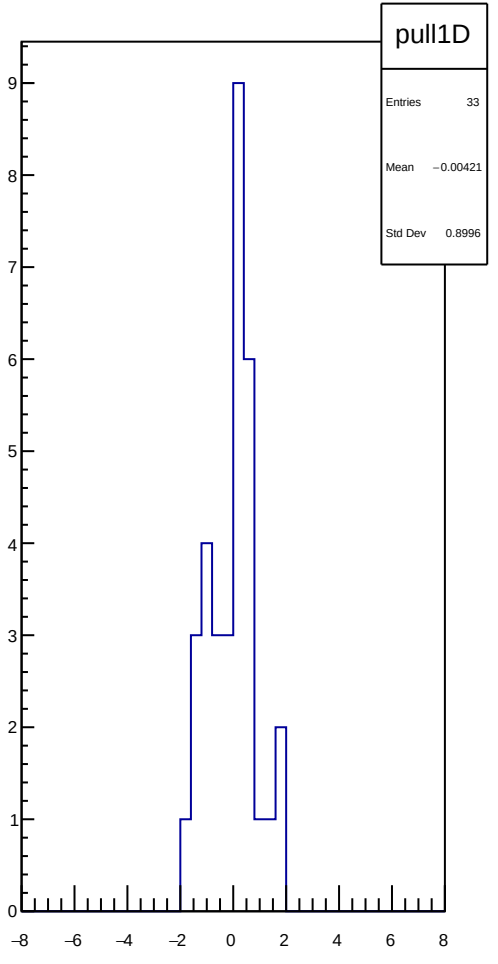

cor_asym_sam2_rms vs run
χ² / ndf 3620 / 32
p0 351.9 ± 0.4335
420
400
380
360
340
320
300
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

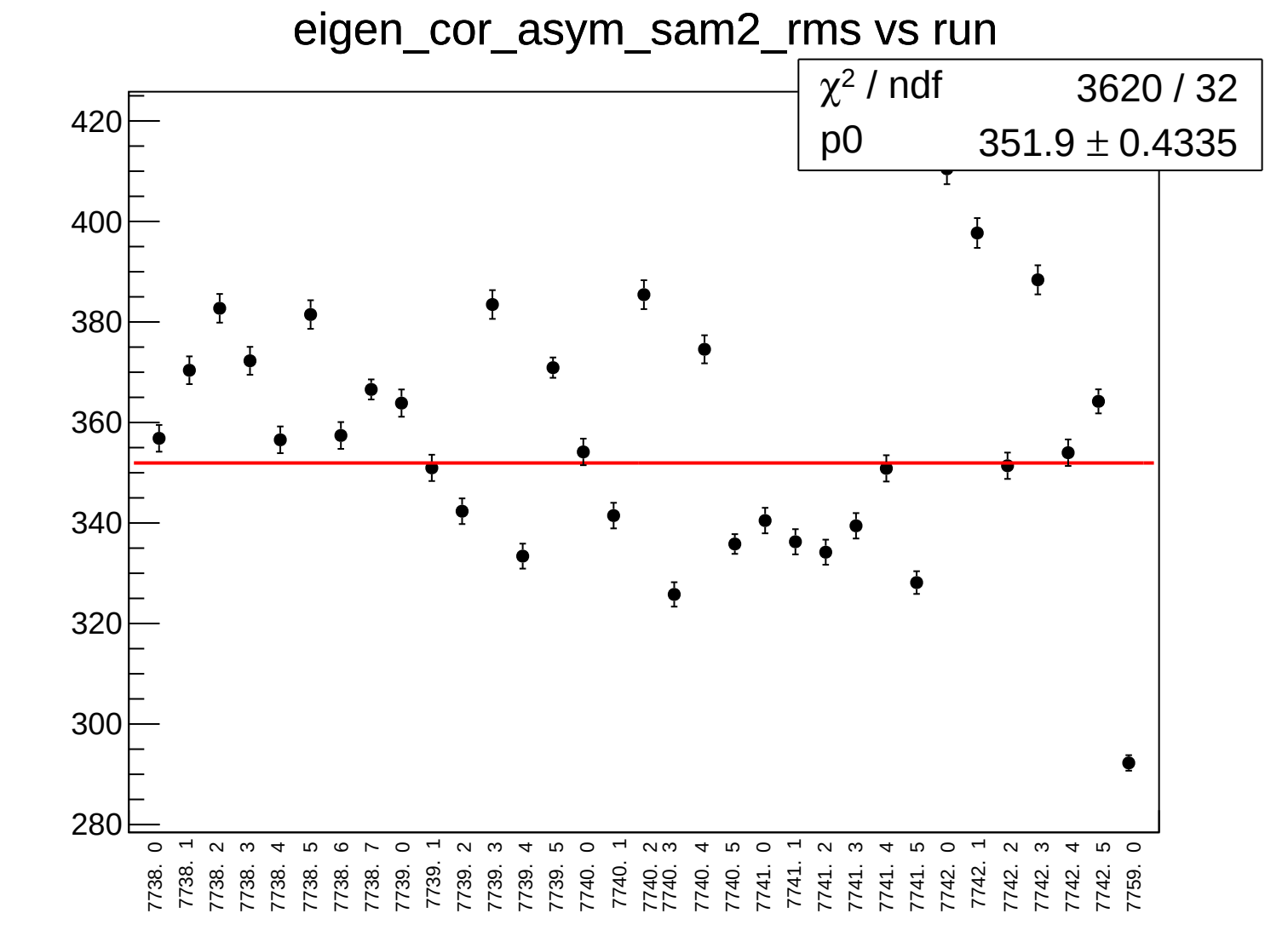

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 29.77 / 32
p0 1761± 1.049e+04
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −331.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

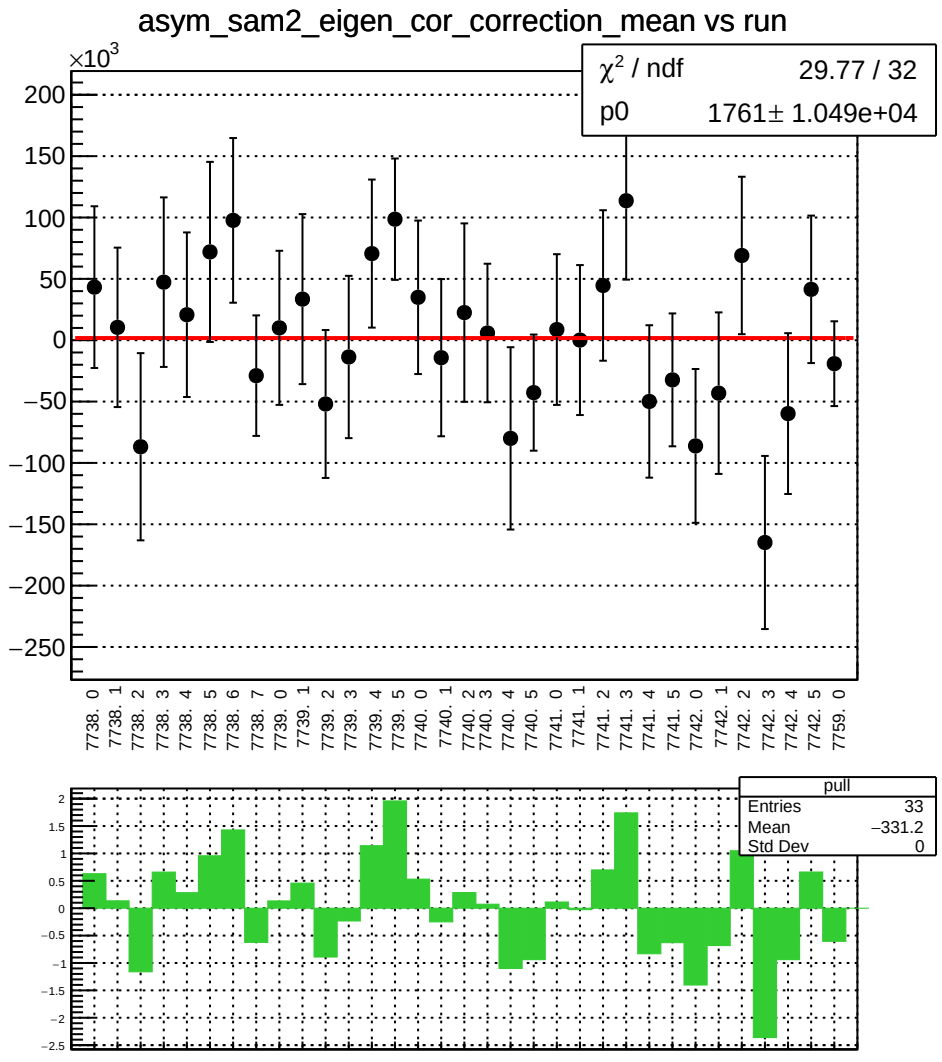

pull1D
Entries 33
Mean 0.007768
Std Dev 0.9498
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

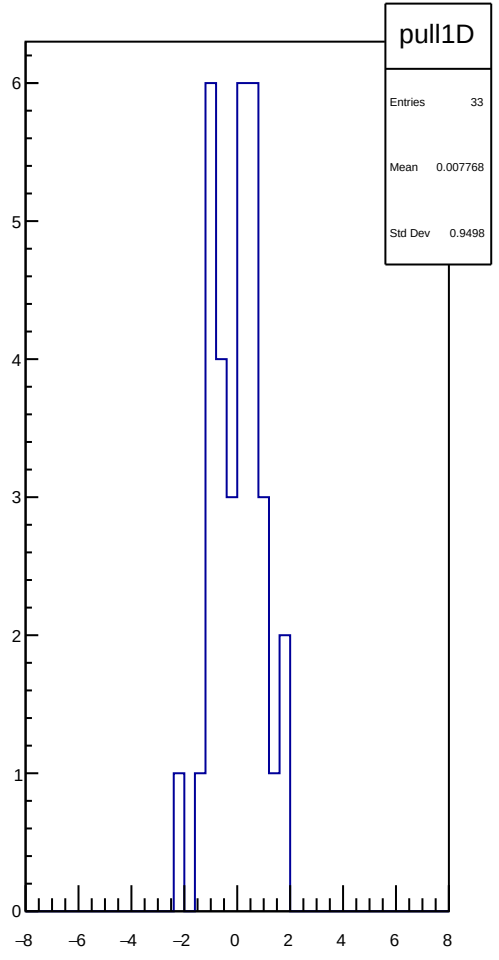

asym_sam2_cor_correction_rms vs run
χ² / ndf 6424 / 32
p0 6009 ± 7.416
7500
7000
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

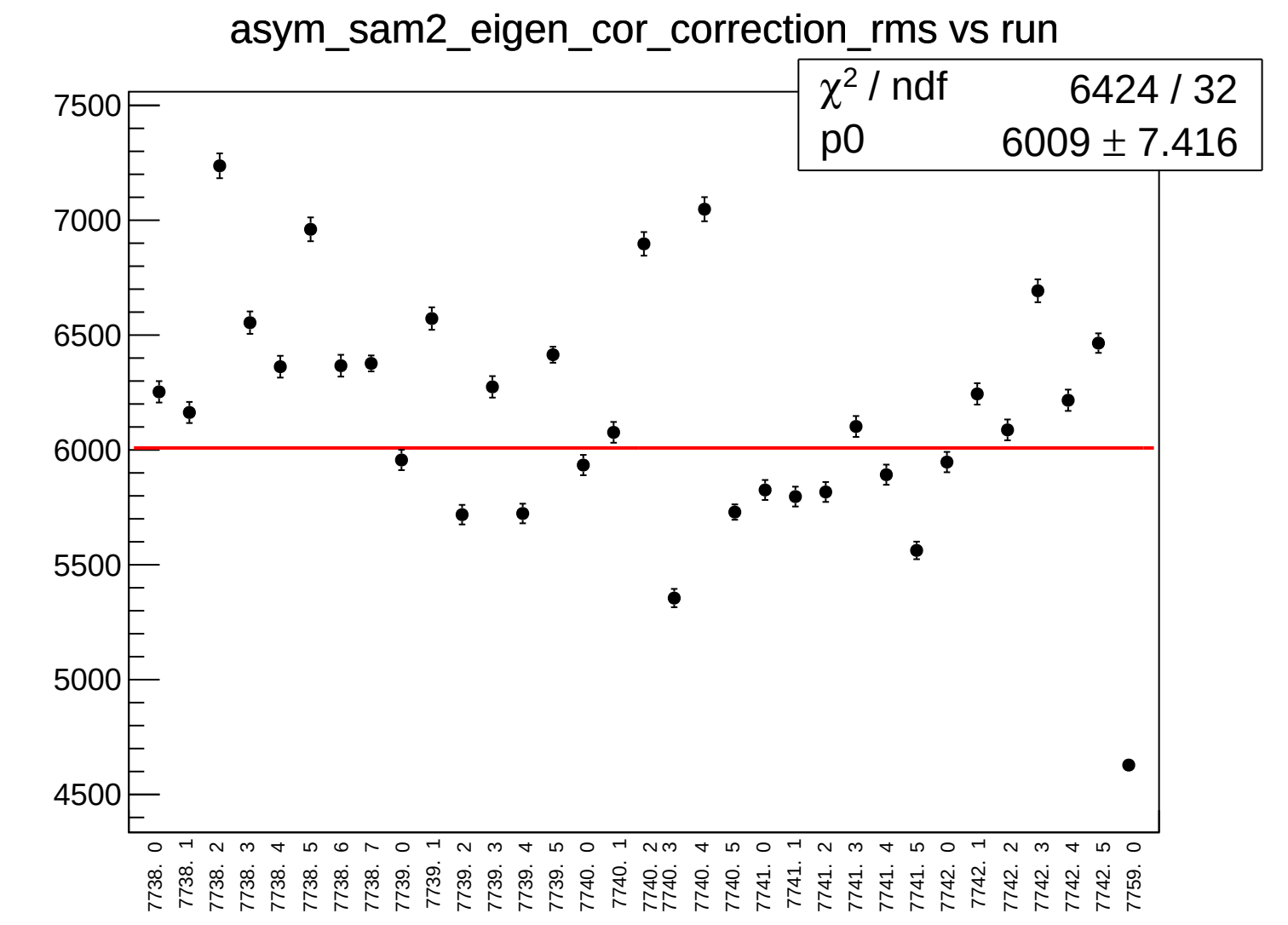

eigen_cor_asym_sam2_mean vs run
χ² / ndf 26.71 / 32
p0 1023 ± 613
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.34
Std Dev 30.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

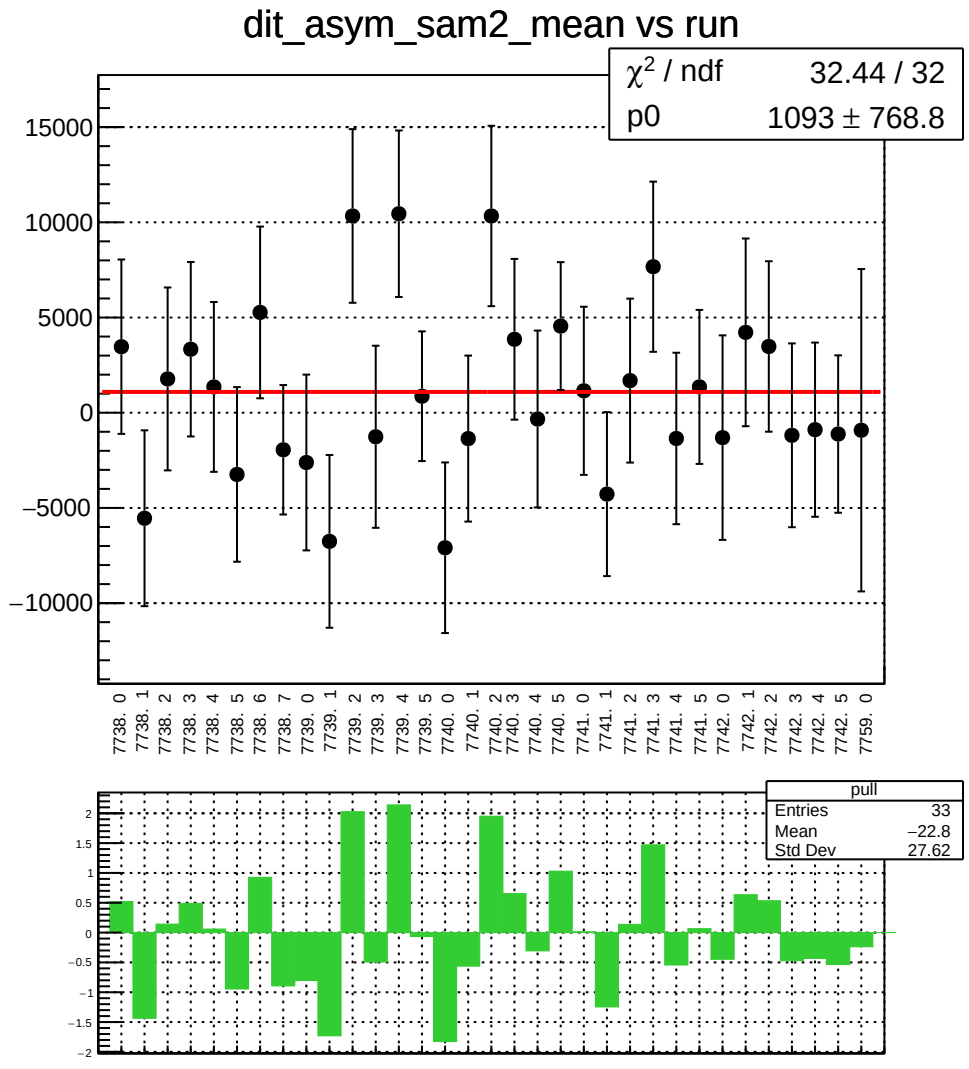

pull1D
Entries 33
Mean −0.00421
Std Dev 0.8996
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

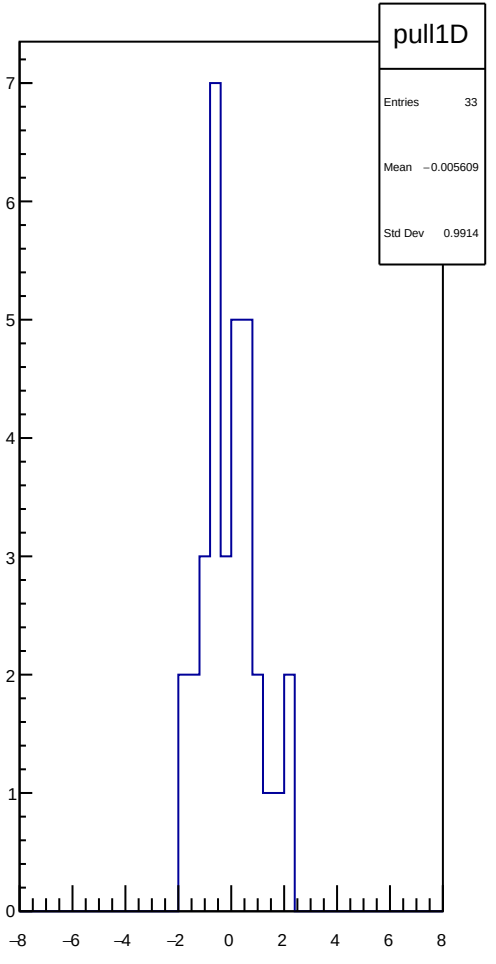

eigen_cor_asym_sam2_rms vs run
χ² / ndf 3620 / 32
p0 351.9 ± 0.4335
420
400
380
360
340
320
300
280
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

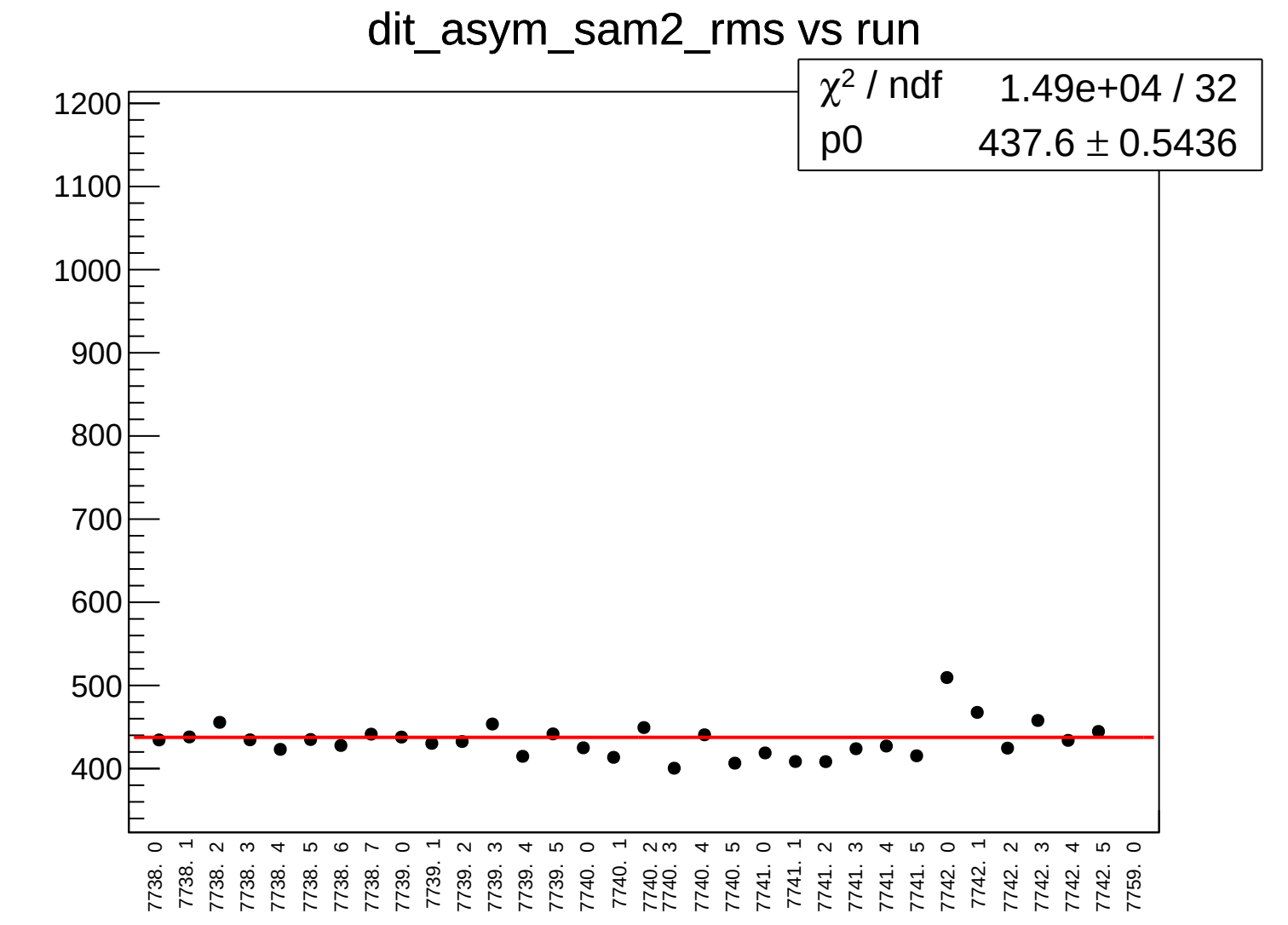

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.77 / 32
p0 1761± 1.049e+04
200
150
100
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −331.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

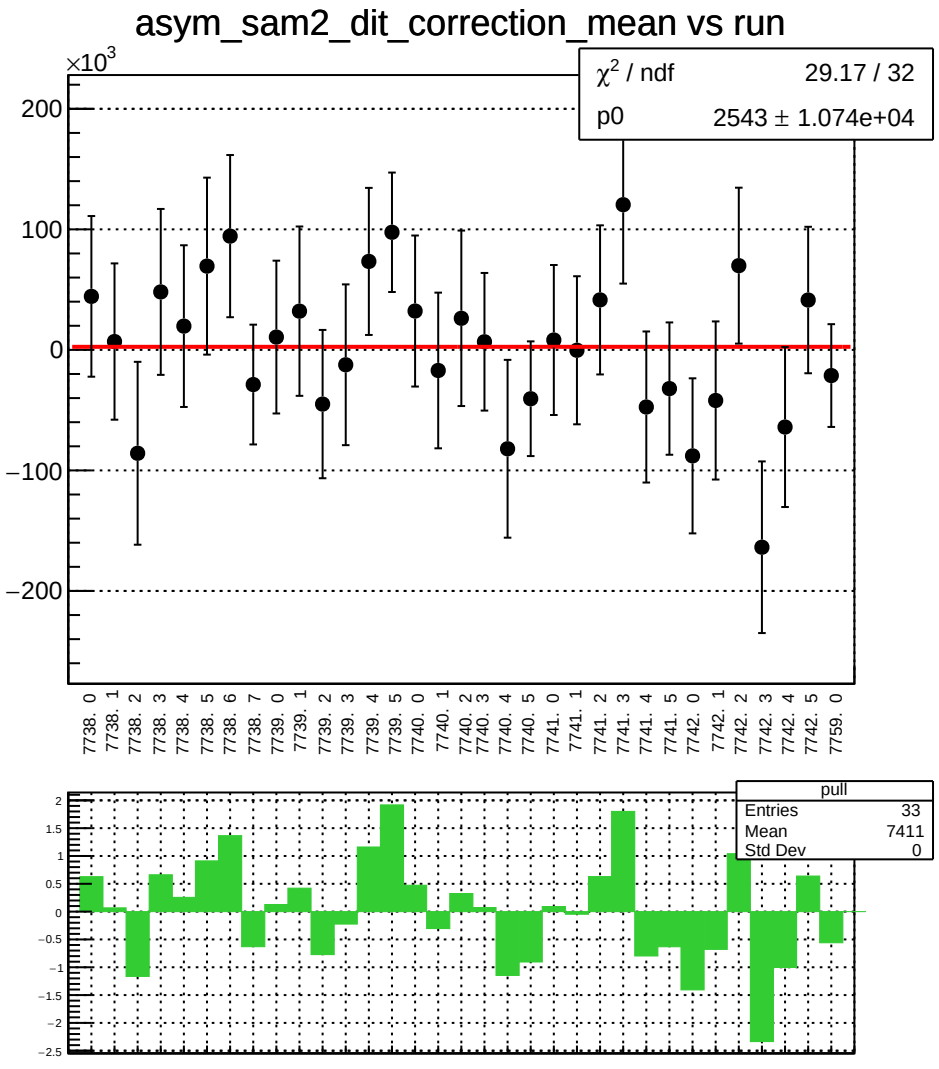

pull1D
Entries 33
Mean 0.007768
Std Dev 0.9498
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

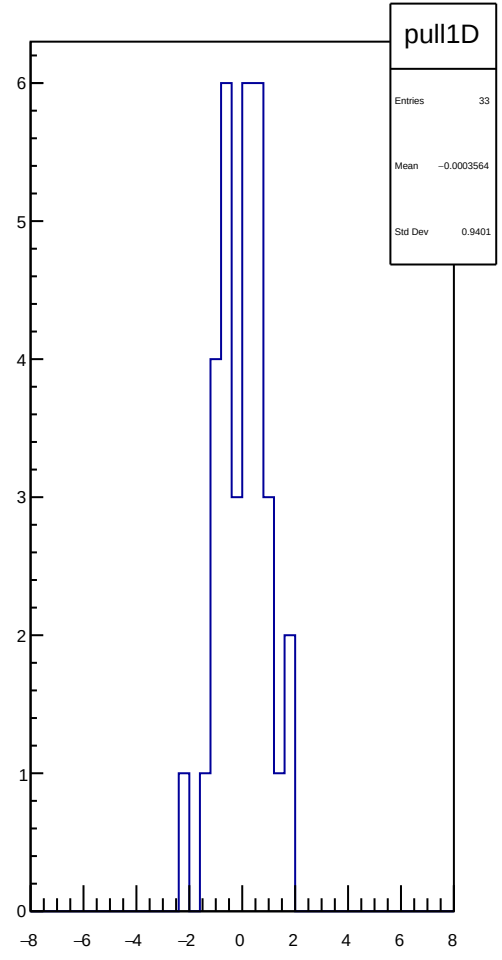

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 6424 / 32
p0 6009 ± 7.416
7500
7000
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

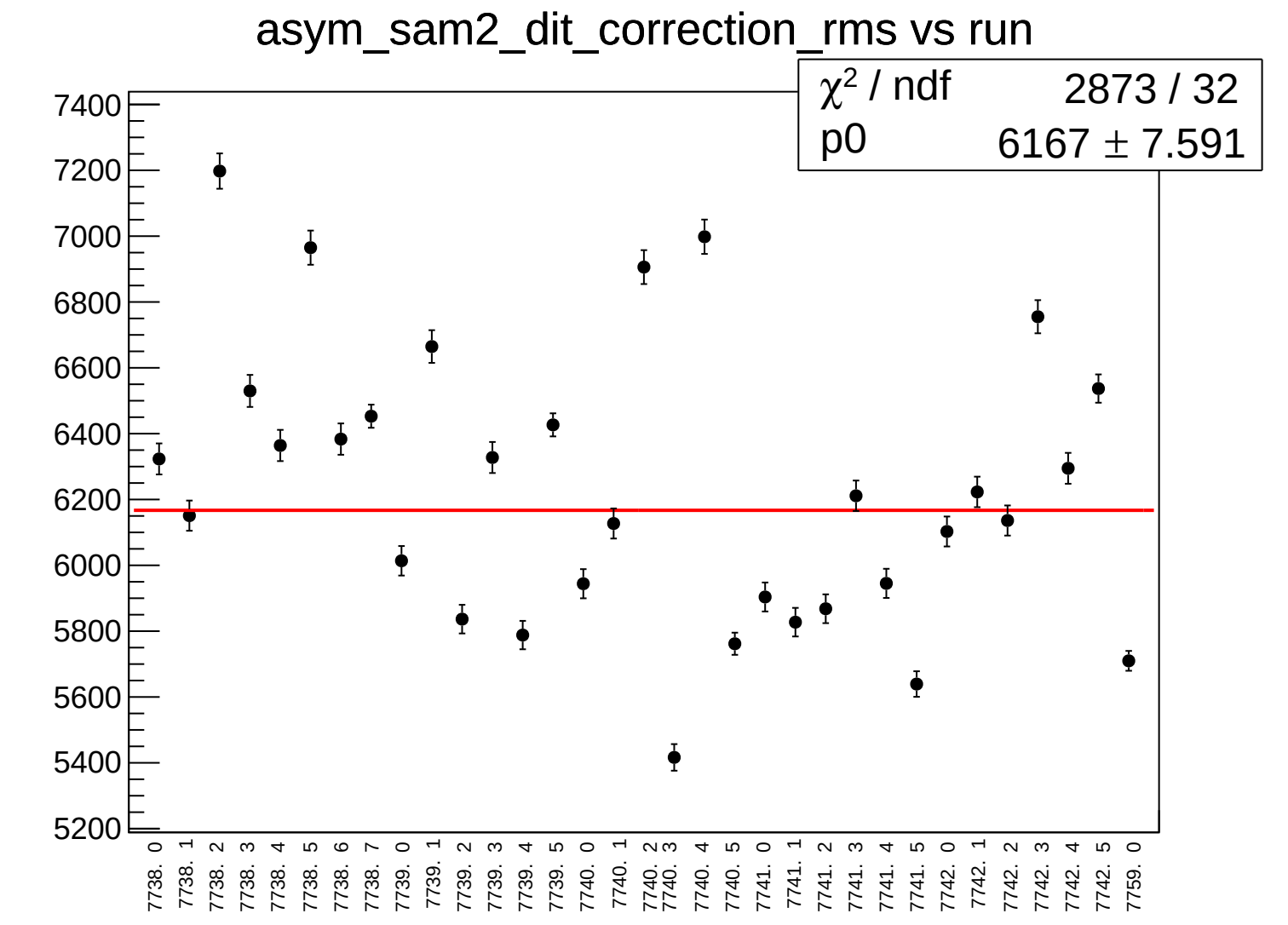

dit_asym_sam2_mean vs run
χ² / ndf 32.44 / 32
p0 1093 ± 768.8
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −22.8
Std Dev 27.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

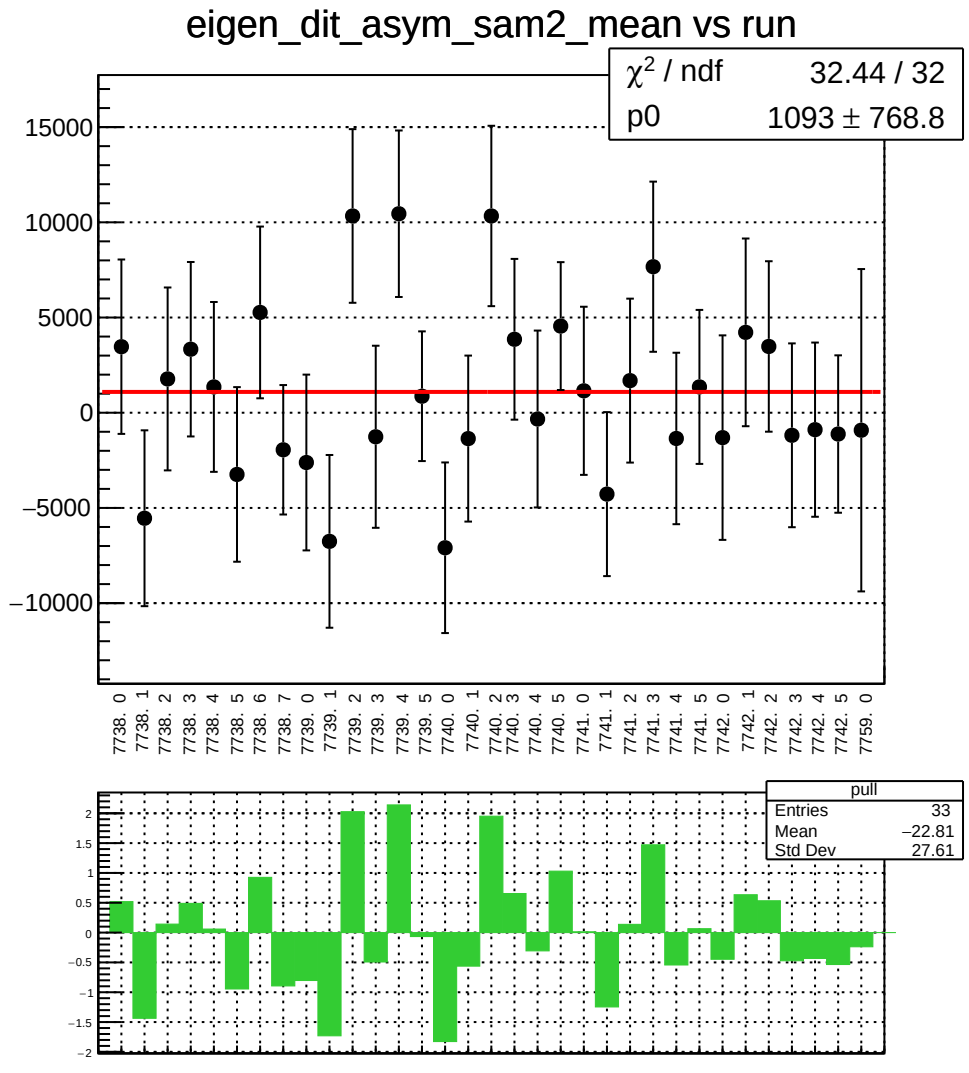

pull1D
Entries 33
Mean −0.005609
Std Dev 0.9914
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

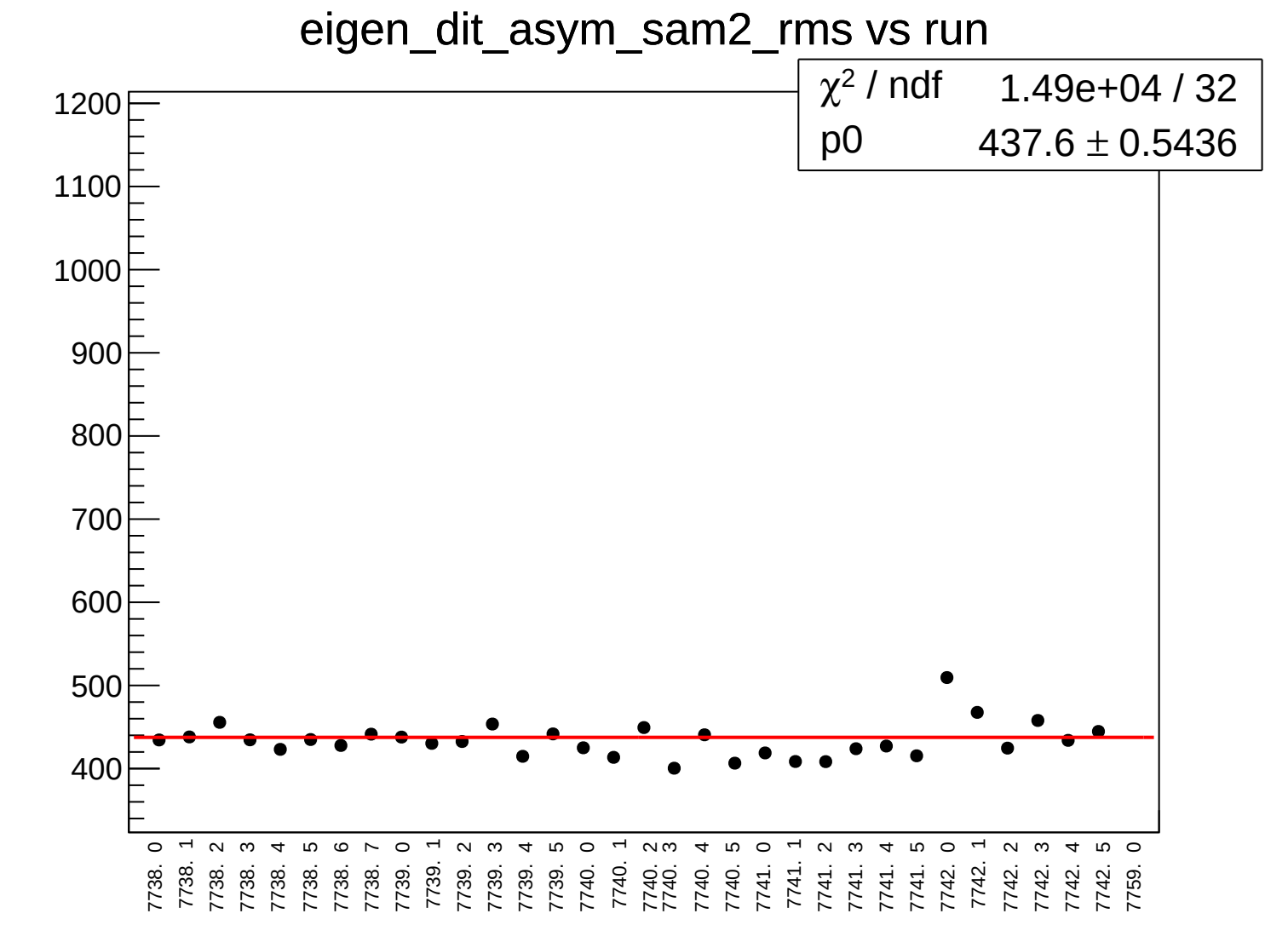

dit_asym_sam2_rms vs run
χ² / ndf 1.49e+04 / 32
p0 437.6 ± 0.5436
1200
1100
1000
900
800
700
600
500
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

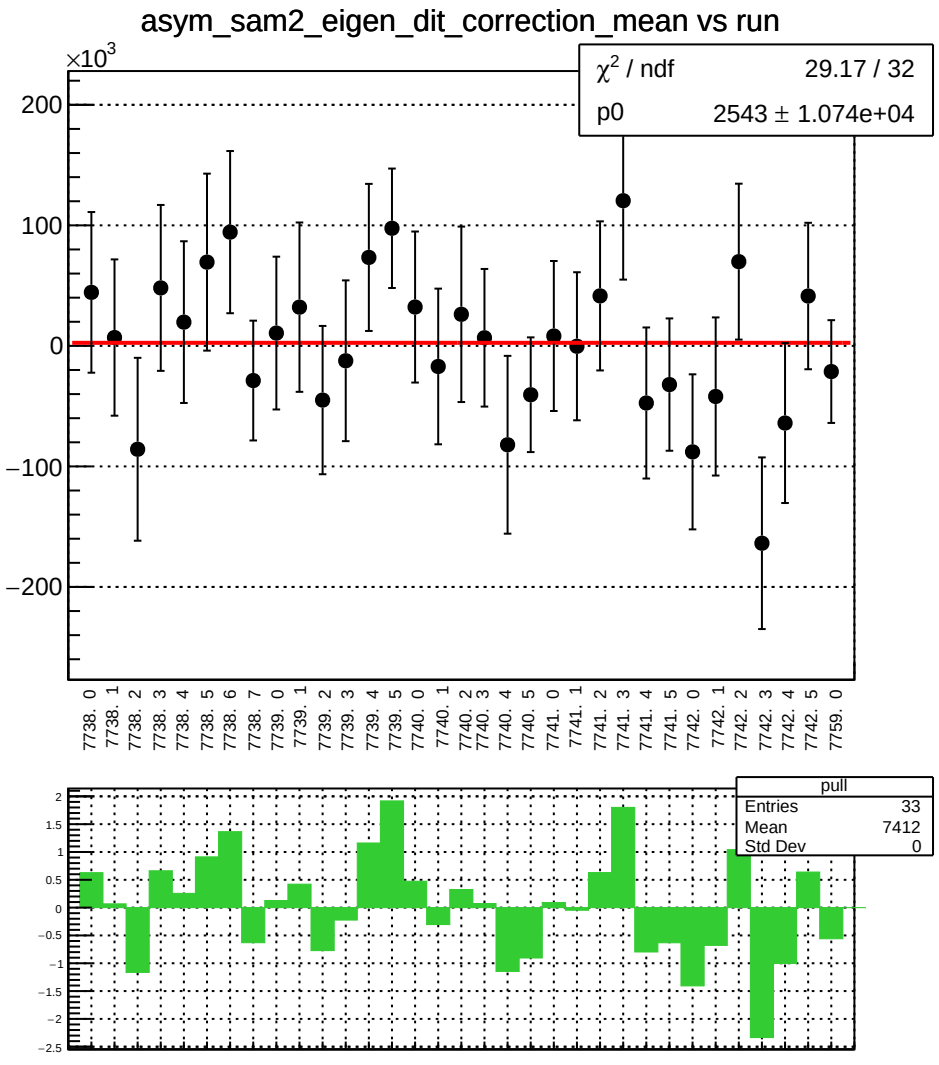

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 29.17 / 32
p0 2543 ± 1.074e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7411
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

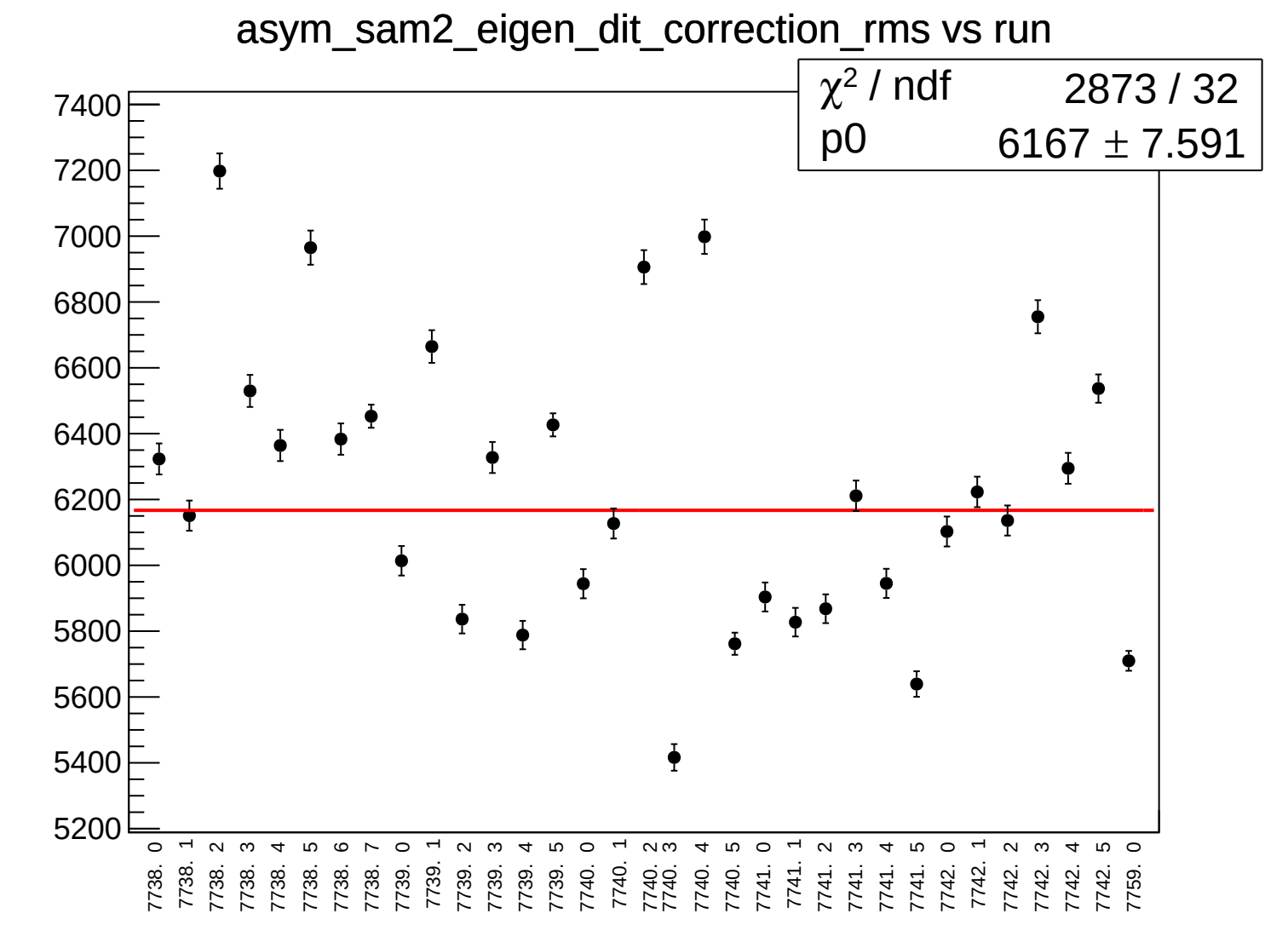

pull1D
Entries 33
Mean −0.0003564
Std Dev 0.9401
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

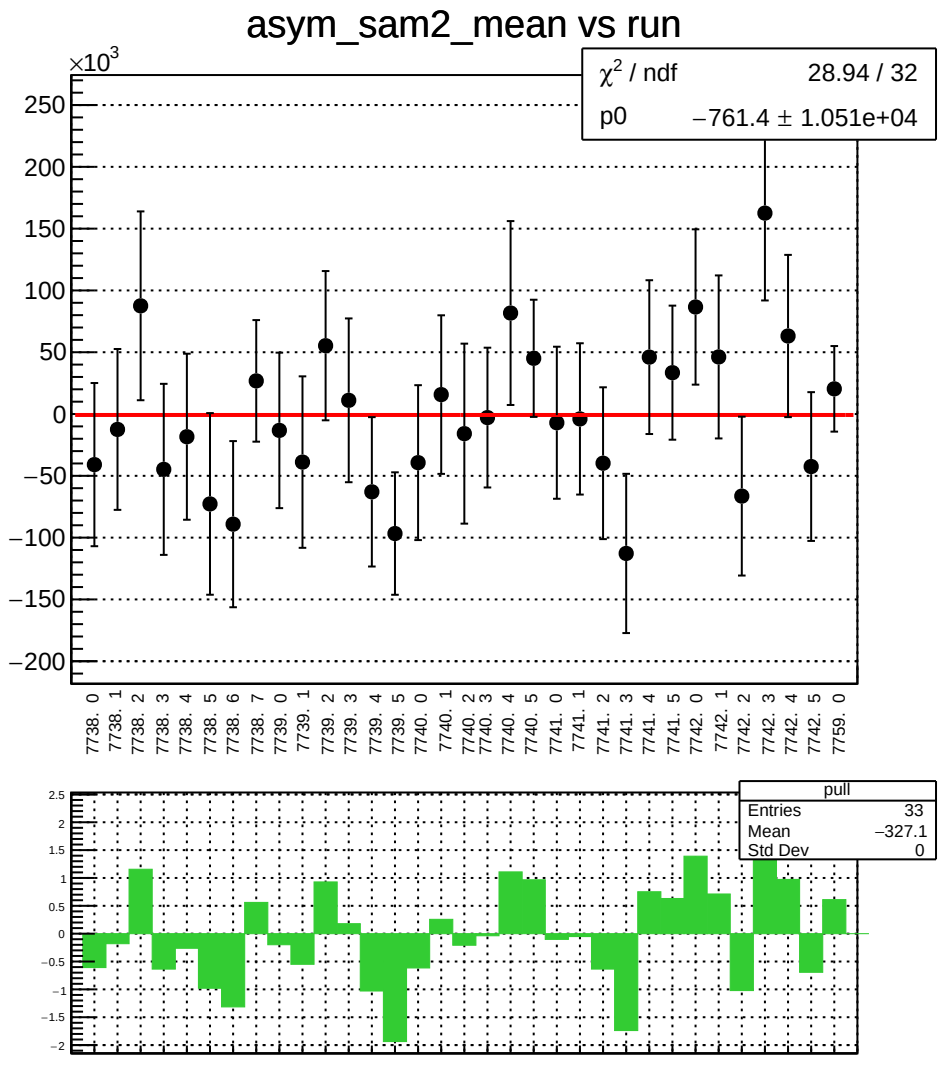

asym_sam2_dit_correction_rms vs run
χ² / ndf 2873 / 32
p0 6167 ± 7.591
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

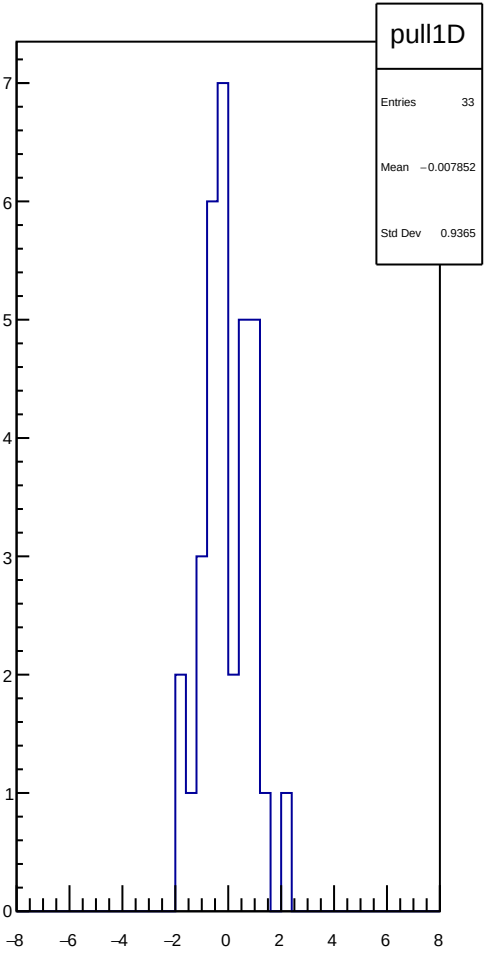

eigen_dit_asym_sam2_mean vs run
χ² / ndf 32.44 / 32
p0 1093 ± 768.8
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −22.81
Std Dev 27.61
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.005609
Std Dev 0.9914
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

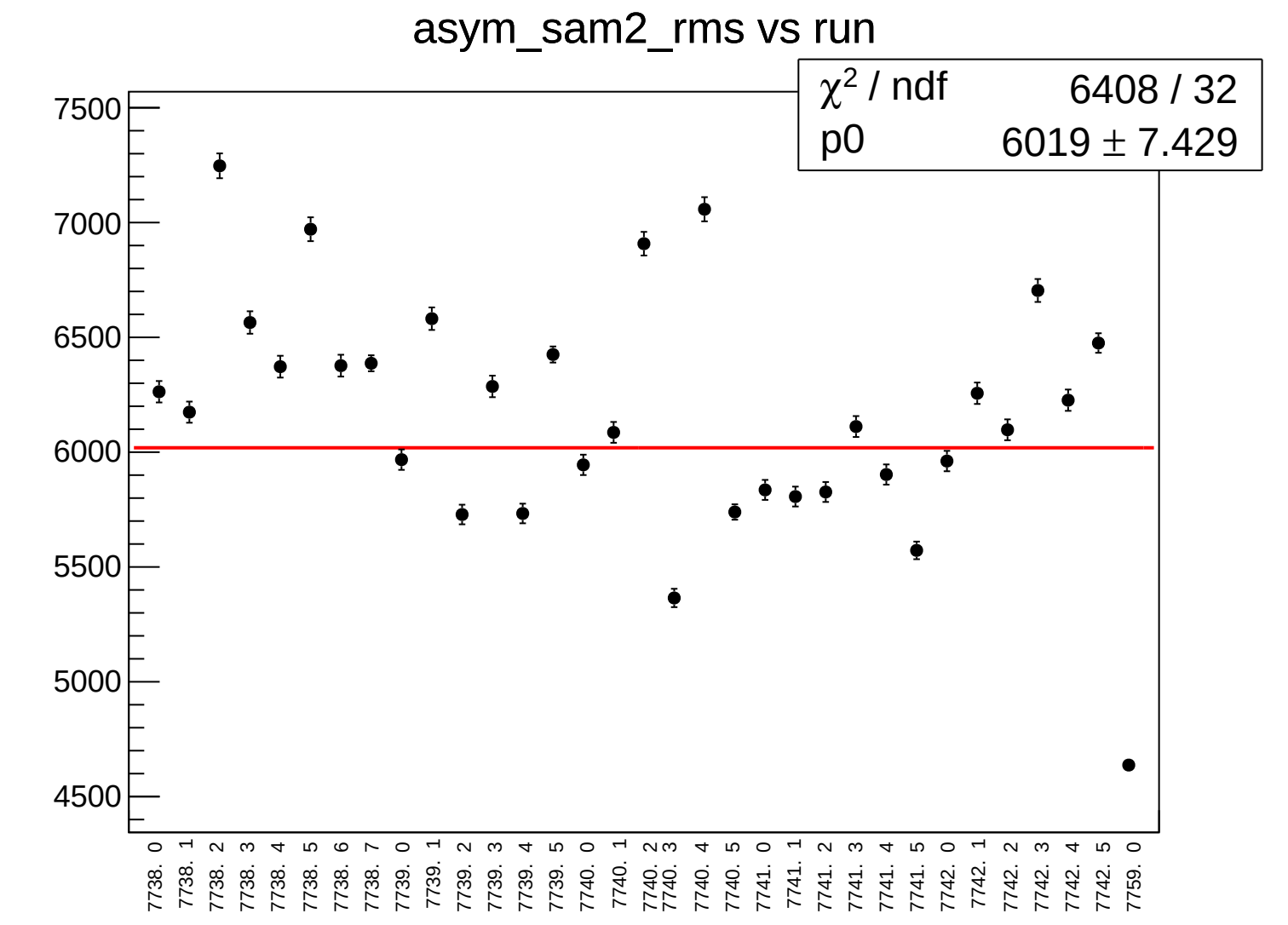

eigen_dit_asym_sam2_rms vs run
χ² / ndf 1.49e+04 / 32
p0 437.6 ± 0.5436
1200
1100
1000
900
800
700
600
500
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

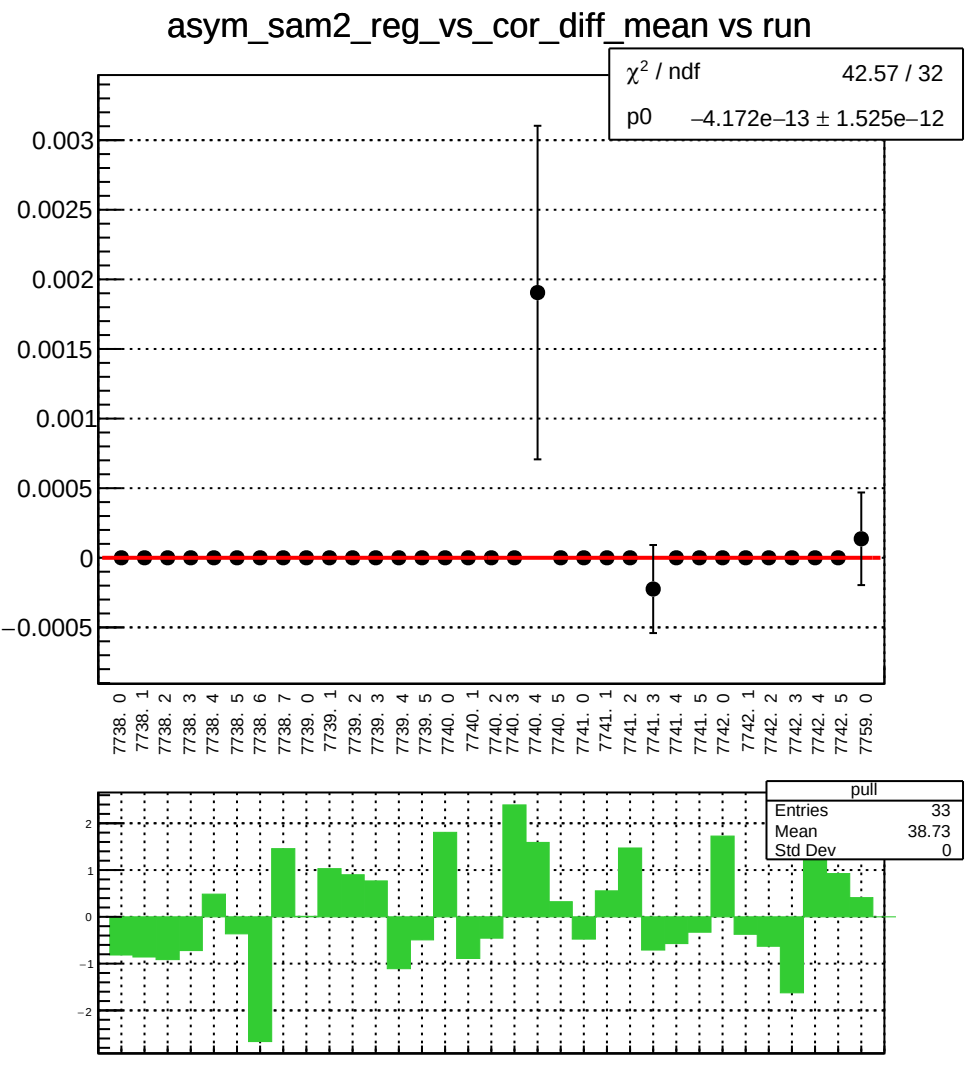

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 29.17 / 32
p0 2543 ± 1.074e+04
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7412
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.0003564
Std Dev 0.9401
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

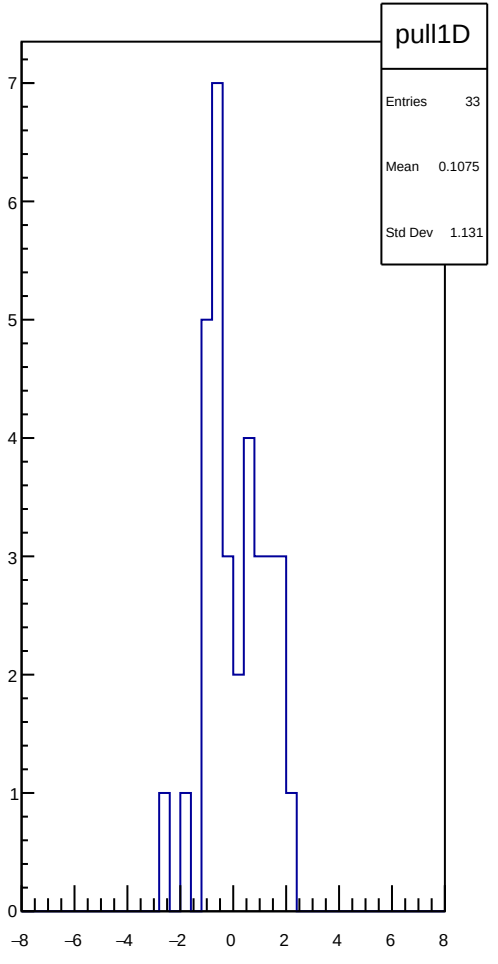

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 2873 / 32
p0 6167 ± 7.591
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

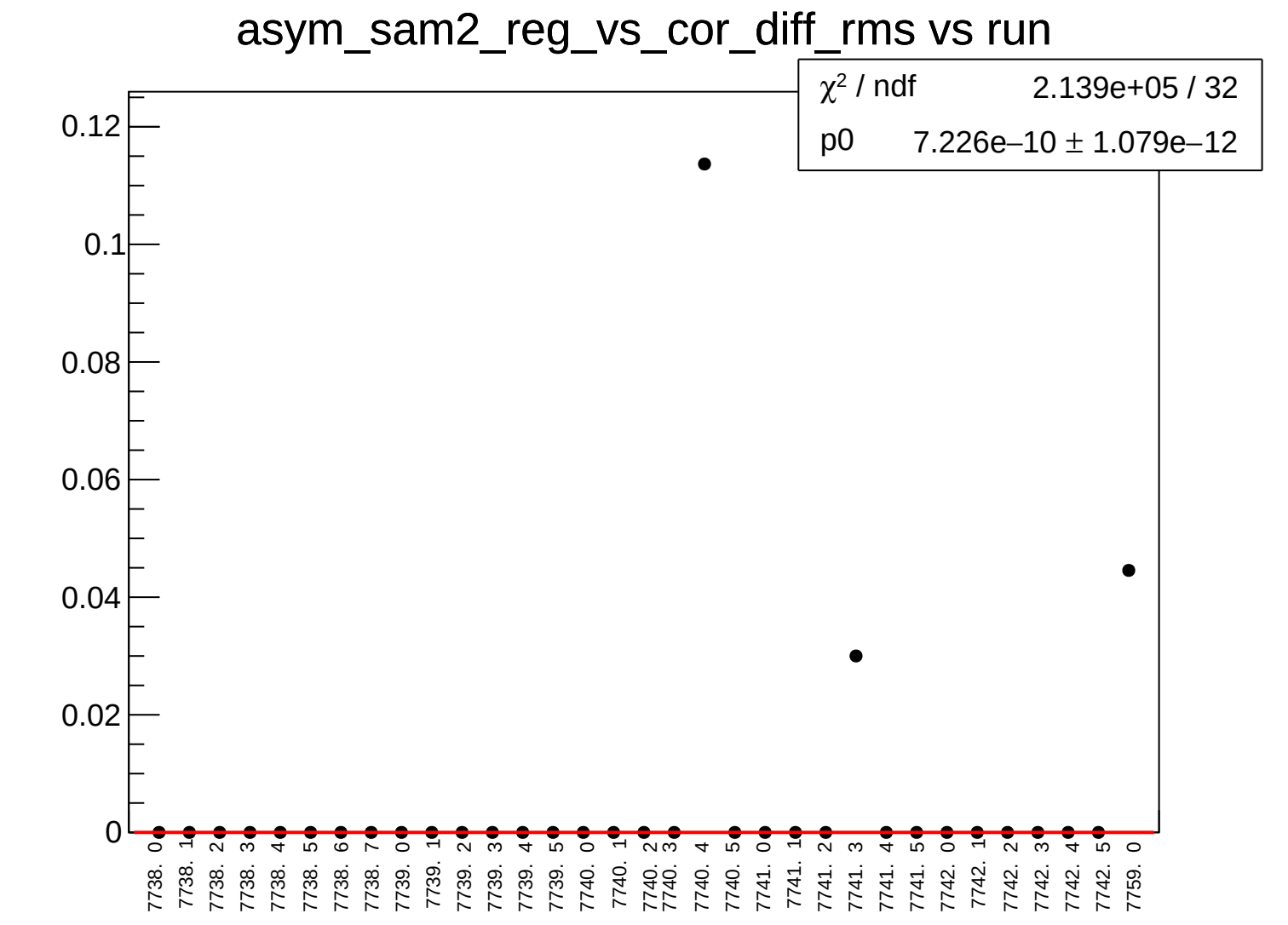

asym_sam2_mean vs run
×10^3
χ² / ndf 28.94 / 32
p0 −761.4 ± 1.051e+04
250
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −327.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

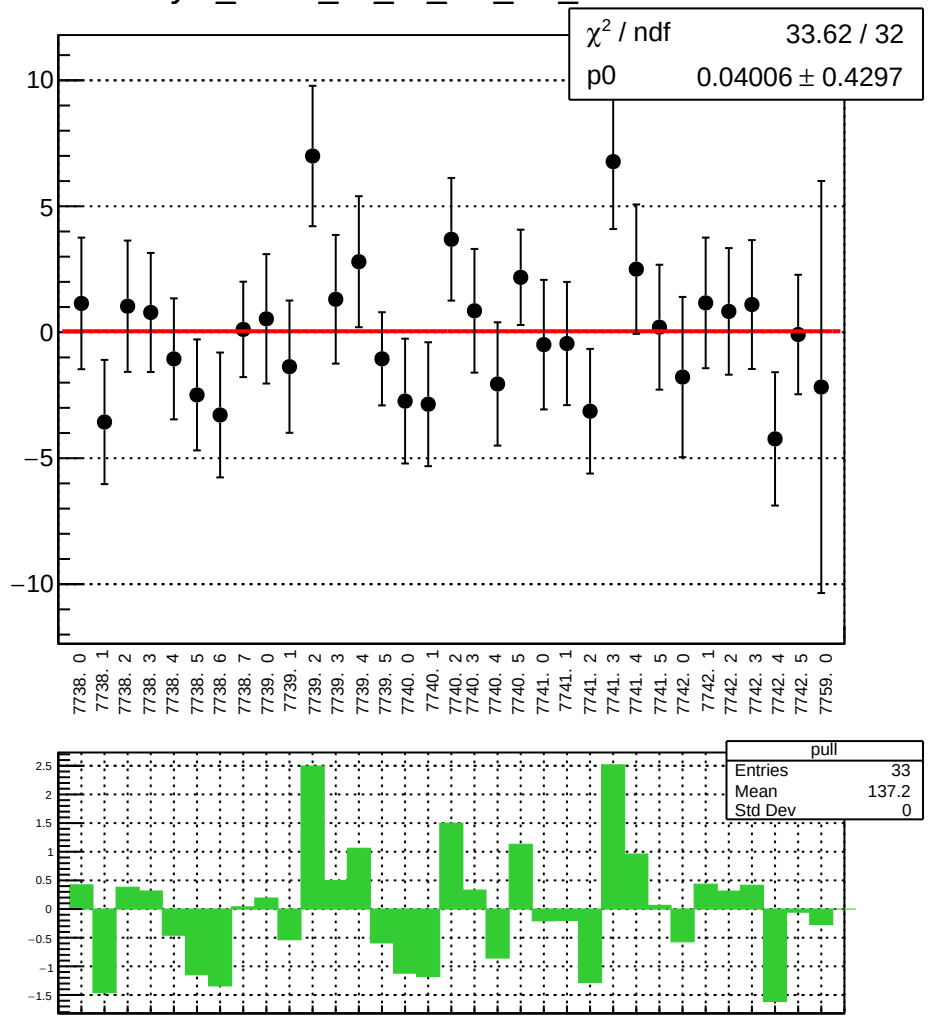

pull1D
Entries 33
Mean −0.007852
Std Dev 0.9365
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

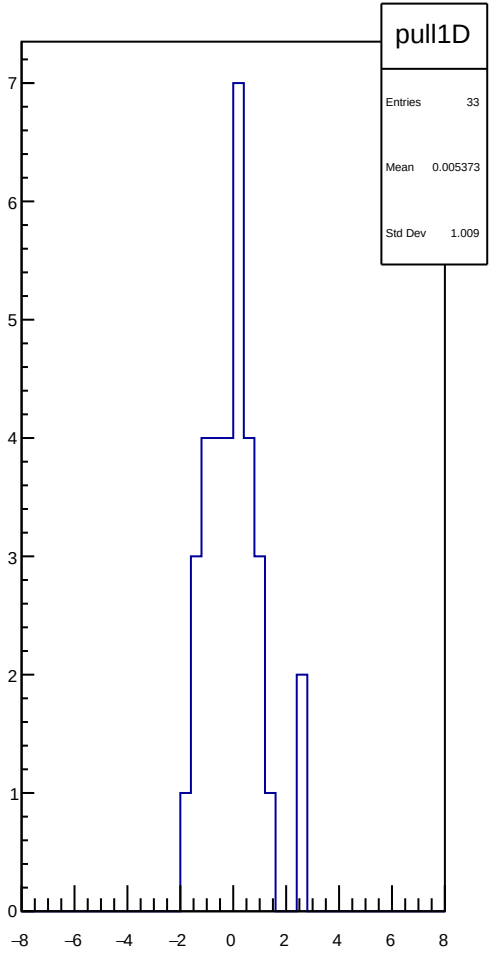

asym_sam2_rms vs run
χ² / ndf 6408 / 32
p0 6019 ± 7.429
7500
7000
6500
6000
5500
5000
4500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

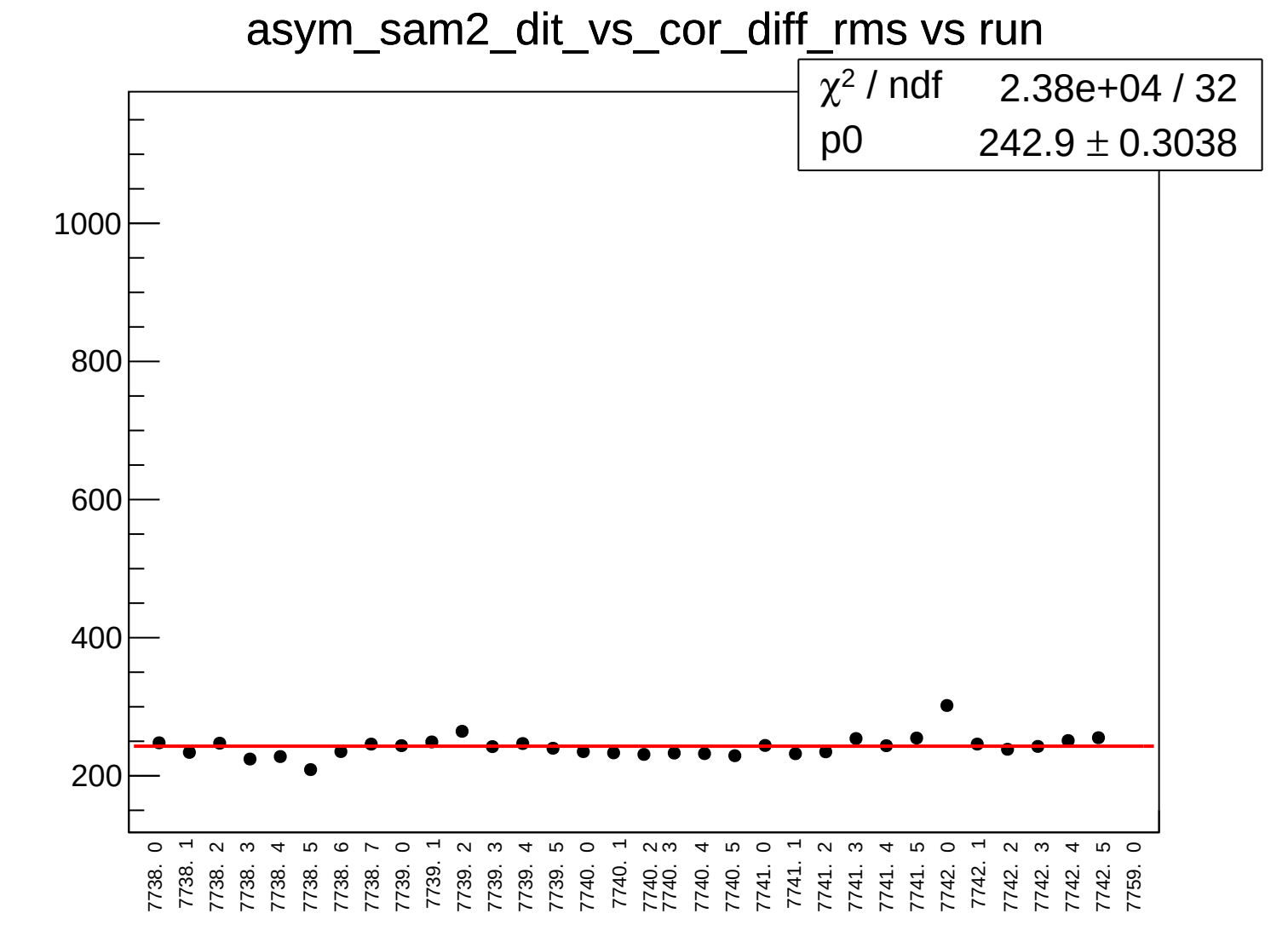

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 42.57 / 32
p0 −4.172e−13 ± 1.525e−12
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.73
Std Dev 0
2
1
0
−1
−2

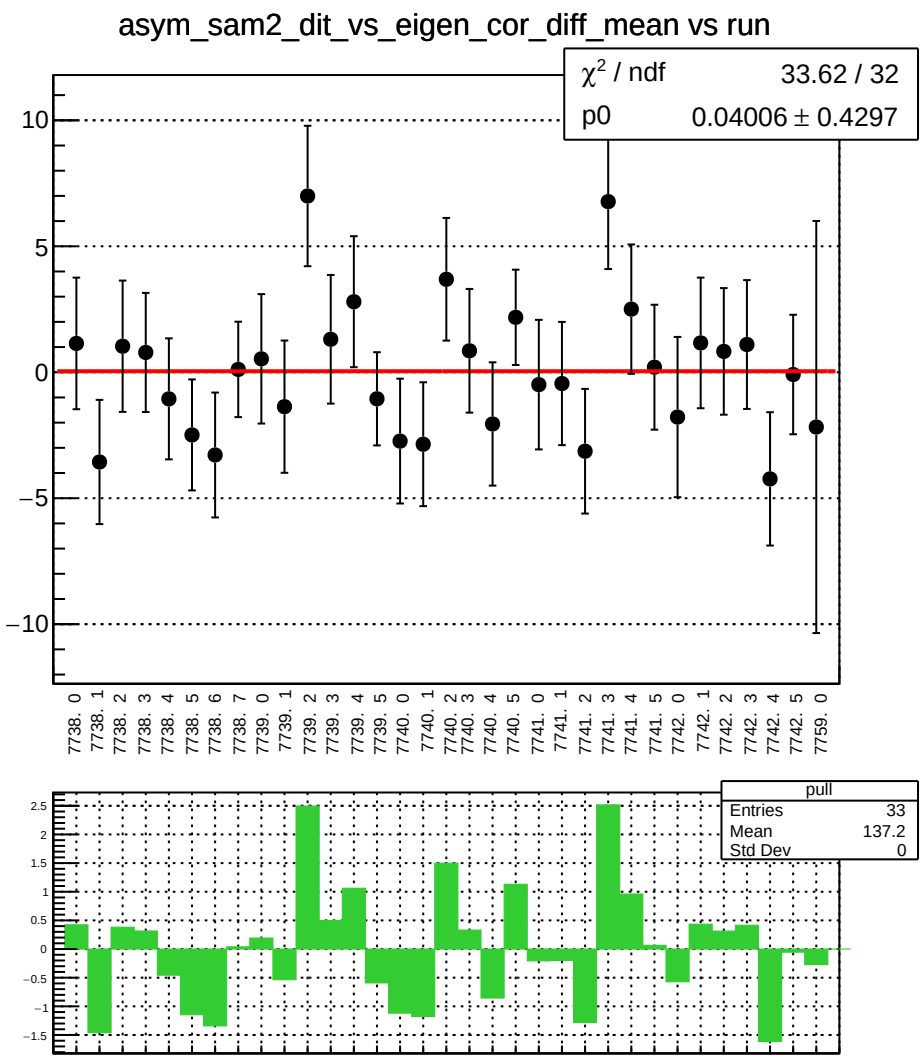

pull1D
Entries 33
Mean 0.1075
Std Dev 1.131
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

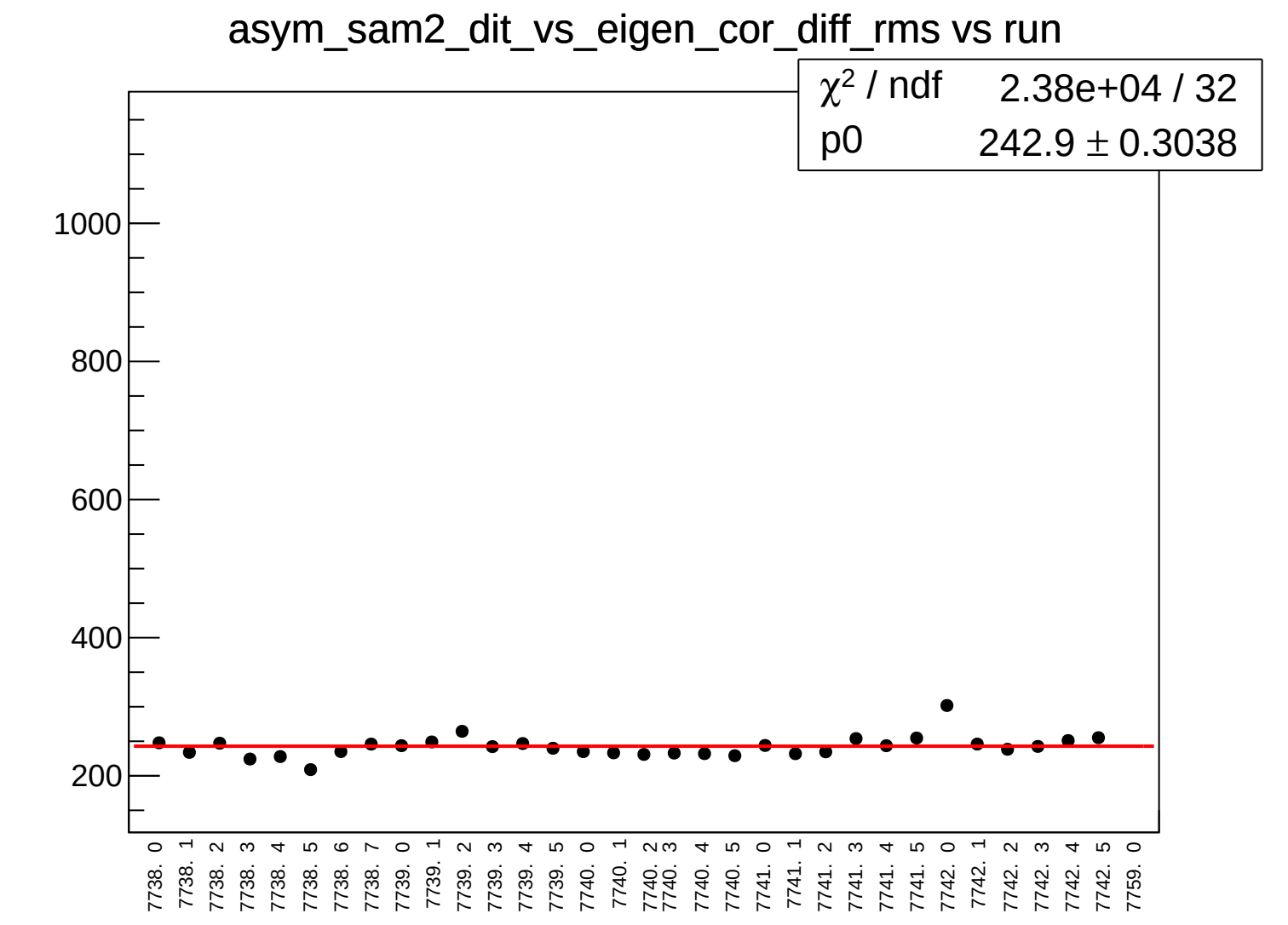

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 2.139e+05 / 32
p0 7.226e−10 ± 1.079e−12
0.12
0.1
0.08
0.06
0.04
0.02
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

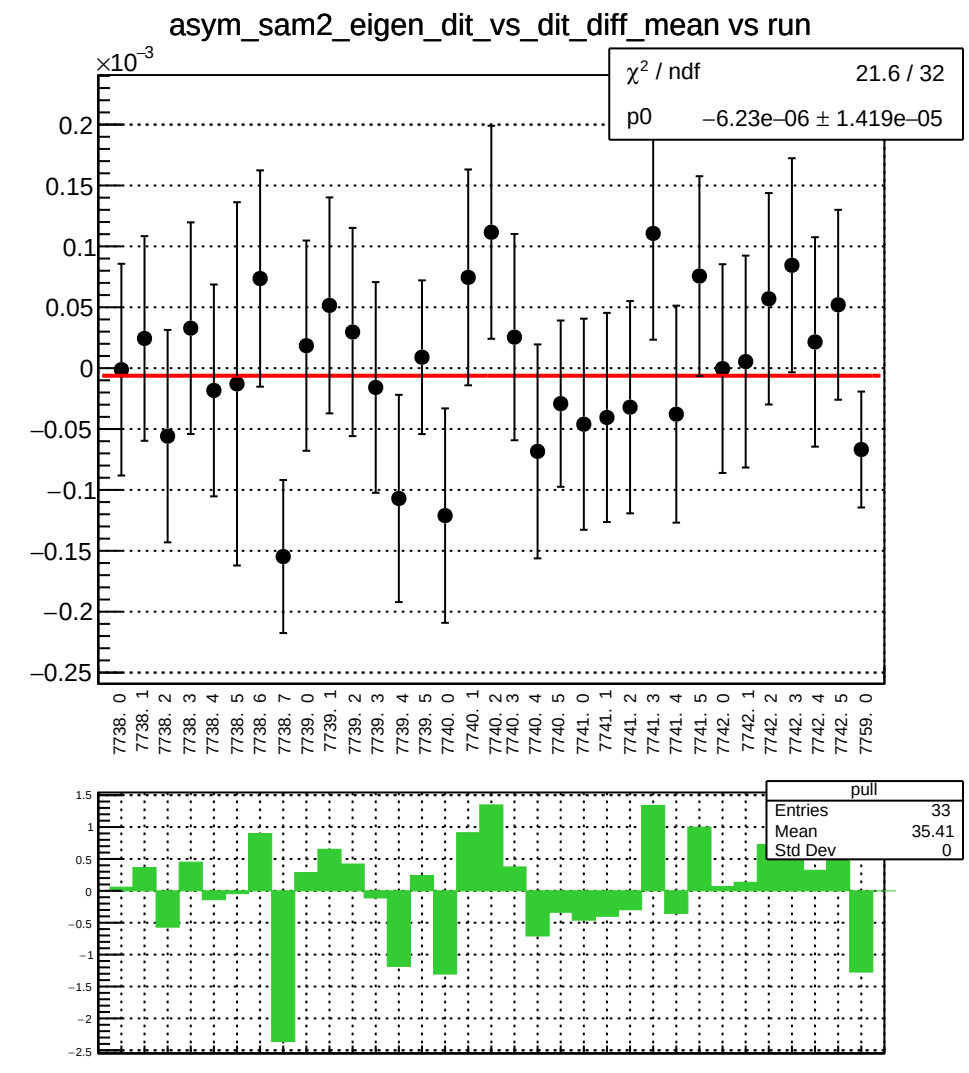

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 33.62 / 32
p0 0.04006 ± 0.4297
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 137.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

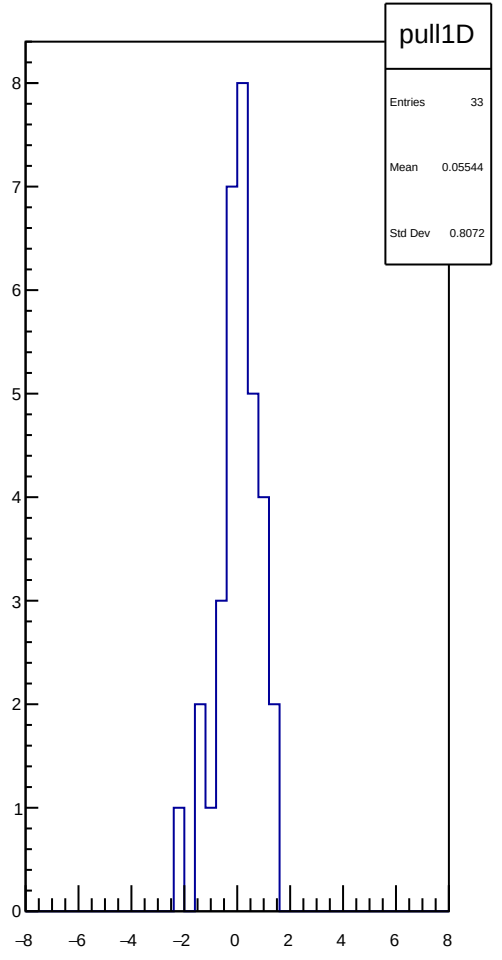

pull1D
Entries 33
Mean 0.005373
Std Dev 1.009
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

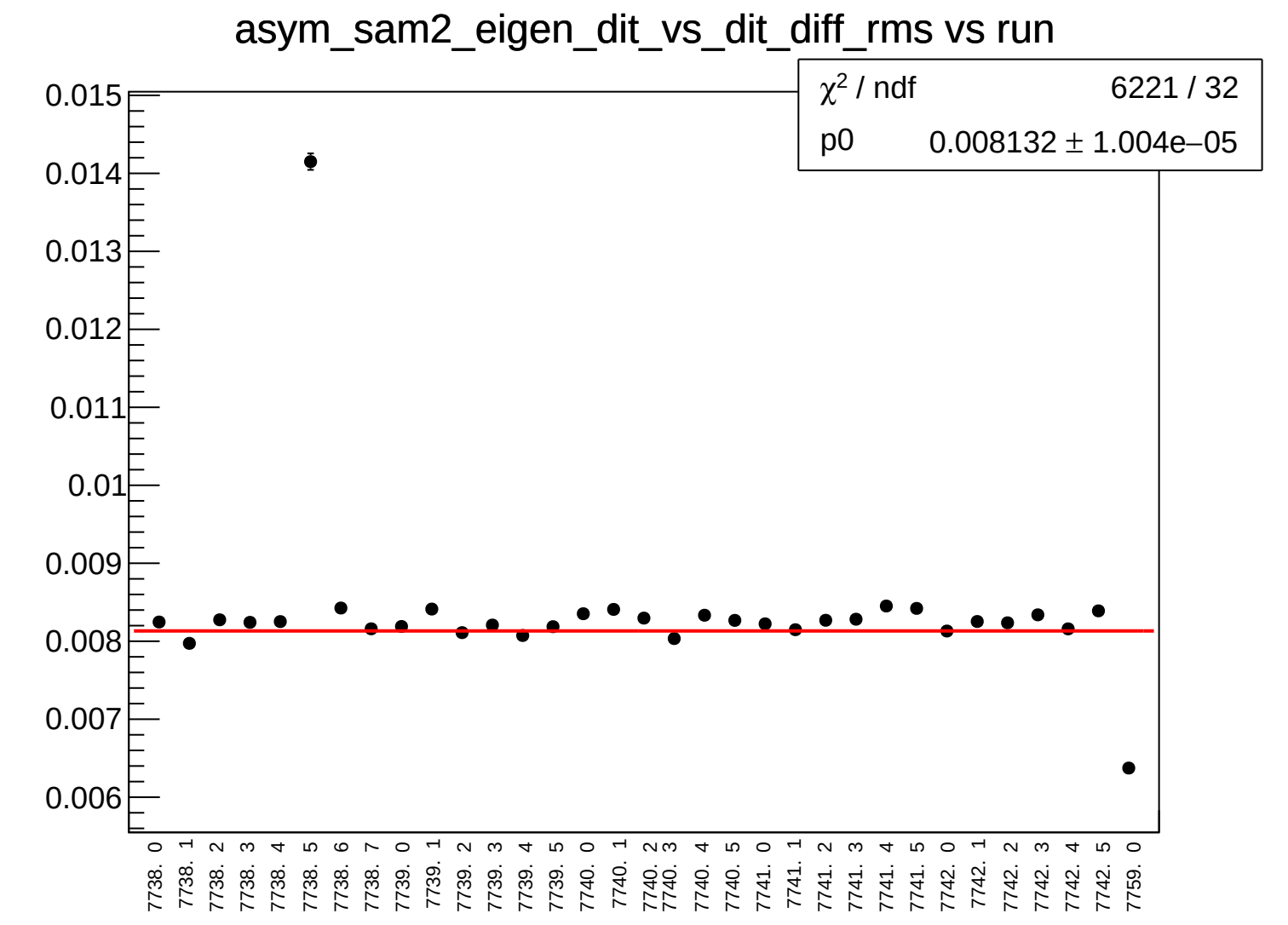

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.38e+04 / 32
p0 242.9 ± 0.3038
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.62 / 32
p0 0.04006 ± 0.4297
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 137.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.005373
Std Dev 1.009
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

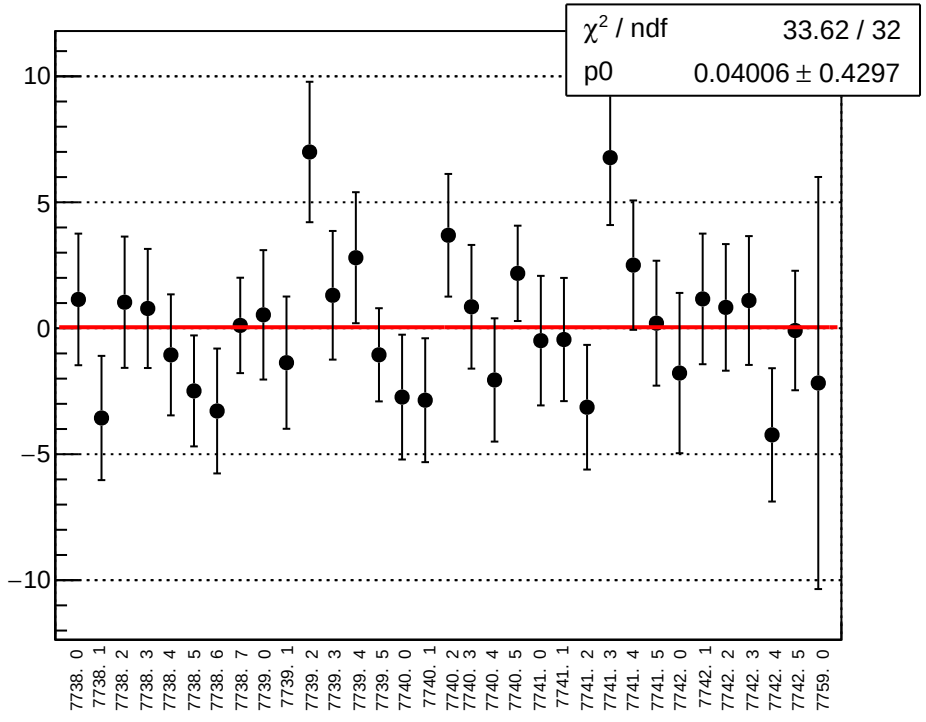

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.38e+04 / 32
p0 242.9 ± 0.3038
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

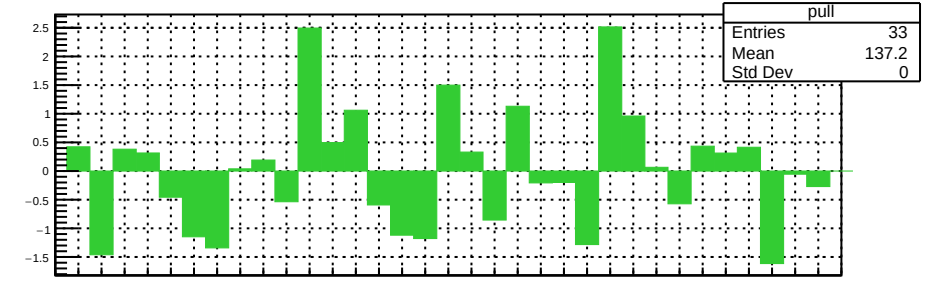

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 21.6 / 32
p0 −6.23e−06 ± 1.419e−05
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 35.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

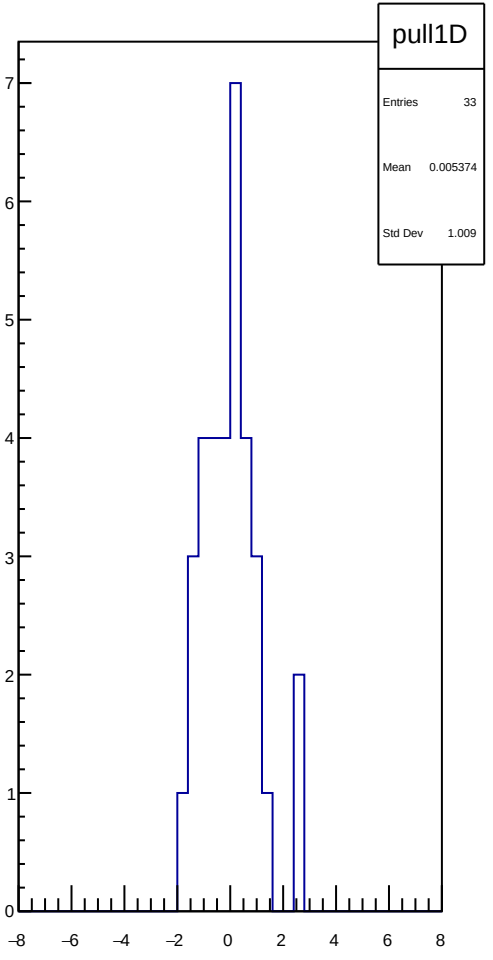

pull1D
Entries 33
Mean 0.05544
Std Dev 0.8072
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

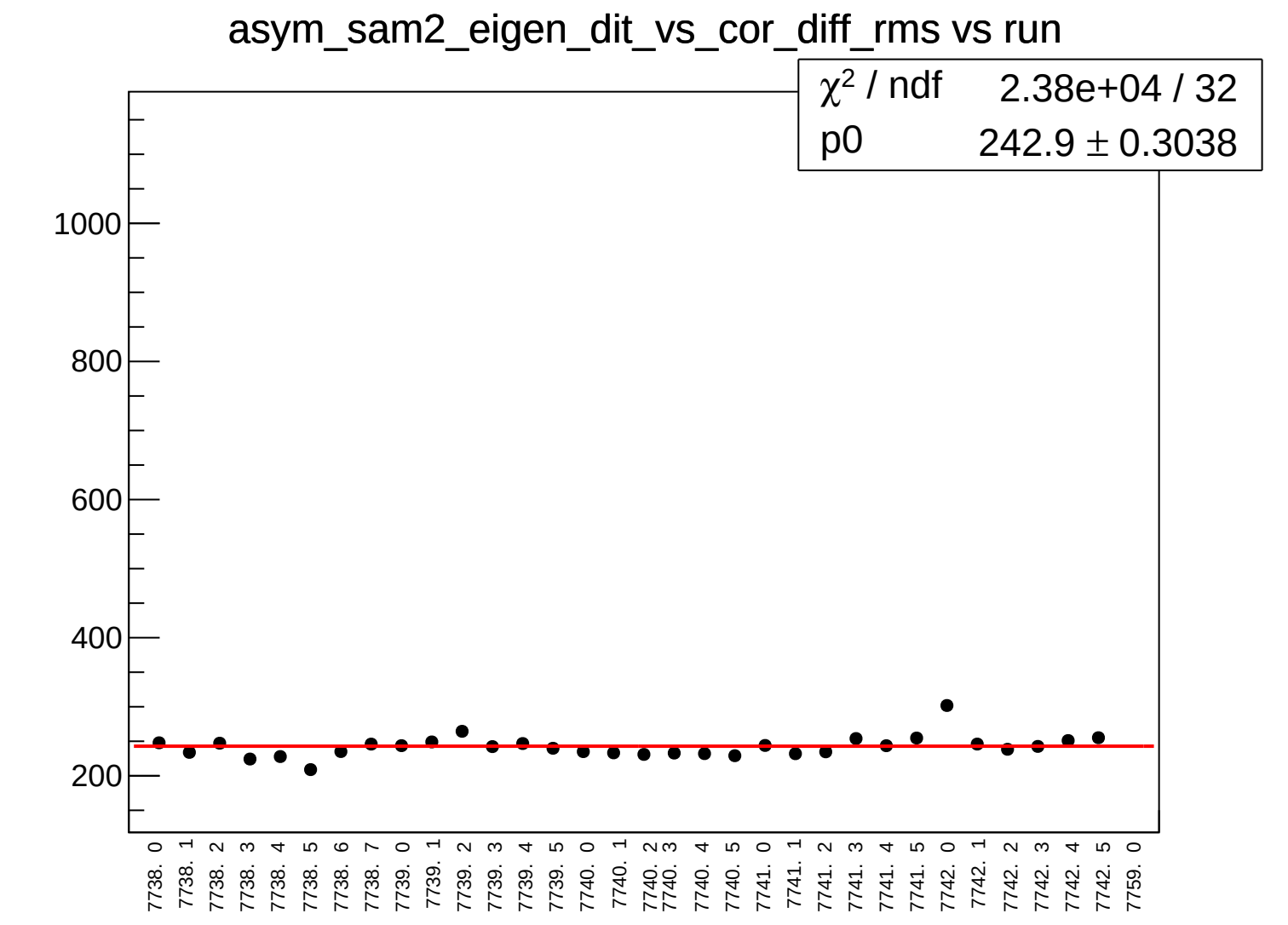

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6221 / 32
p0 0.008132 ± 1.004e−05
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

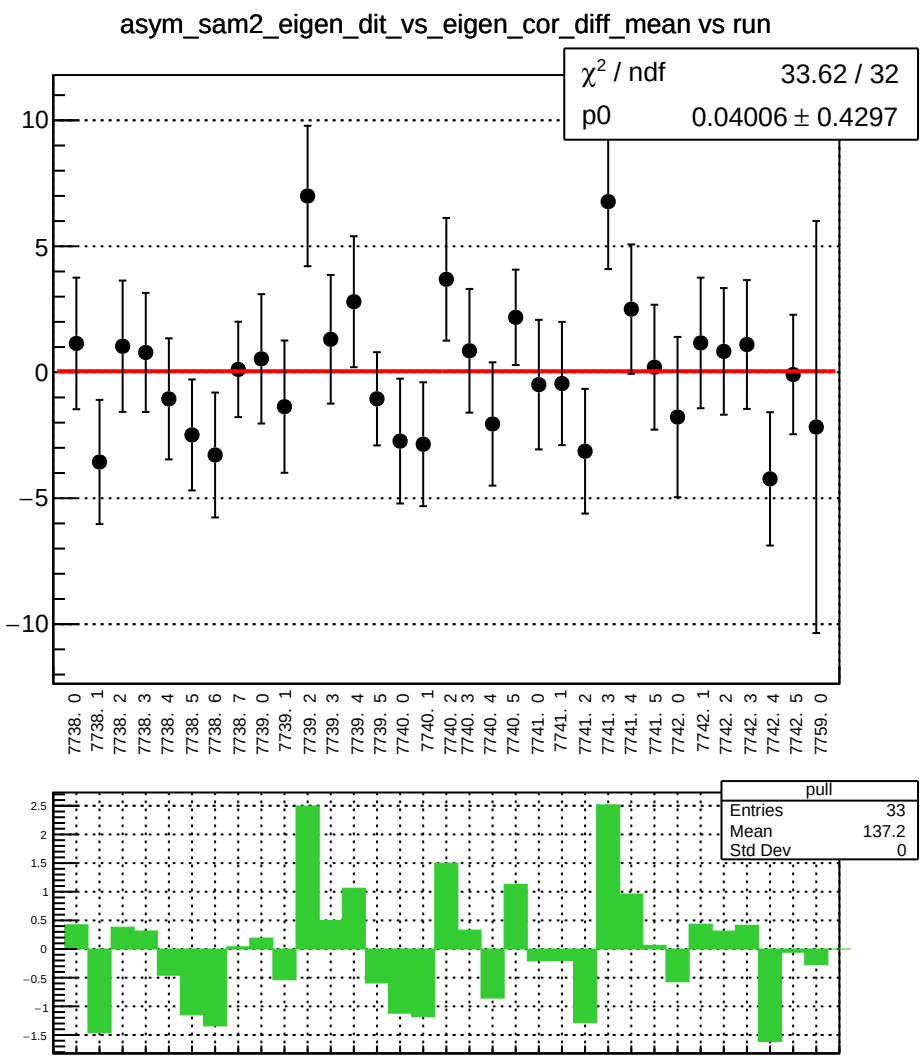
asym_sam2_eigen_dit_vs_cor_diff_mean vs run

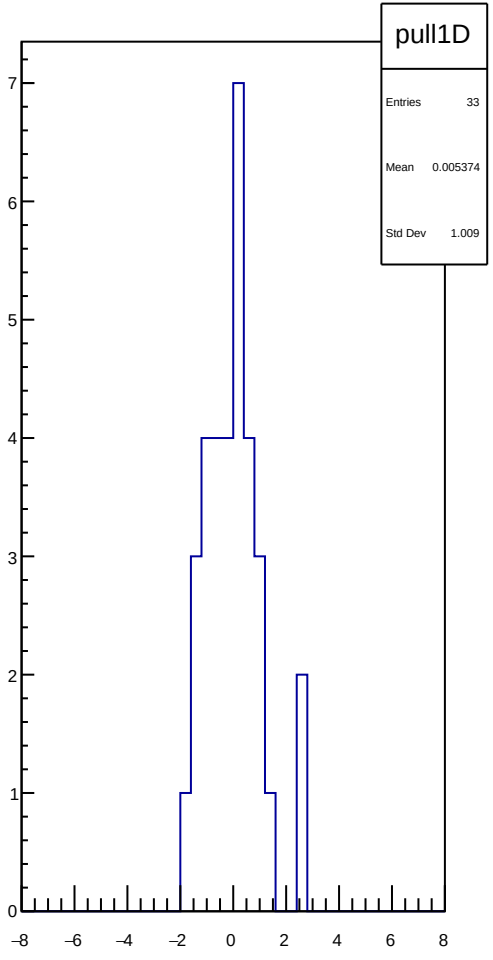


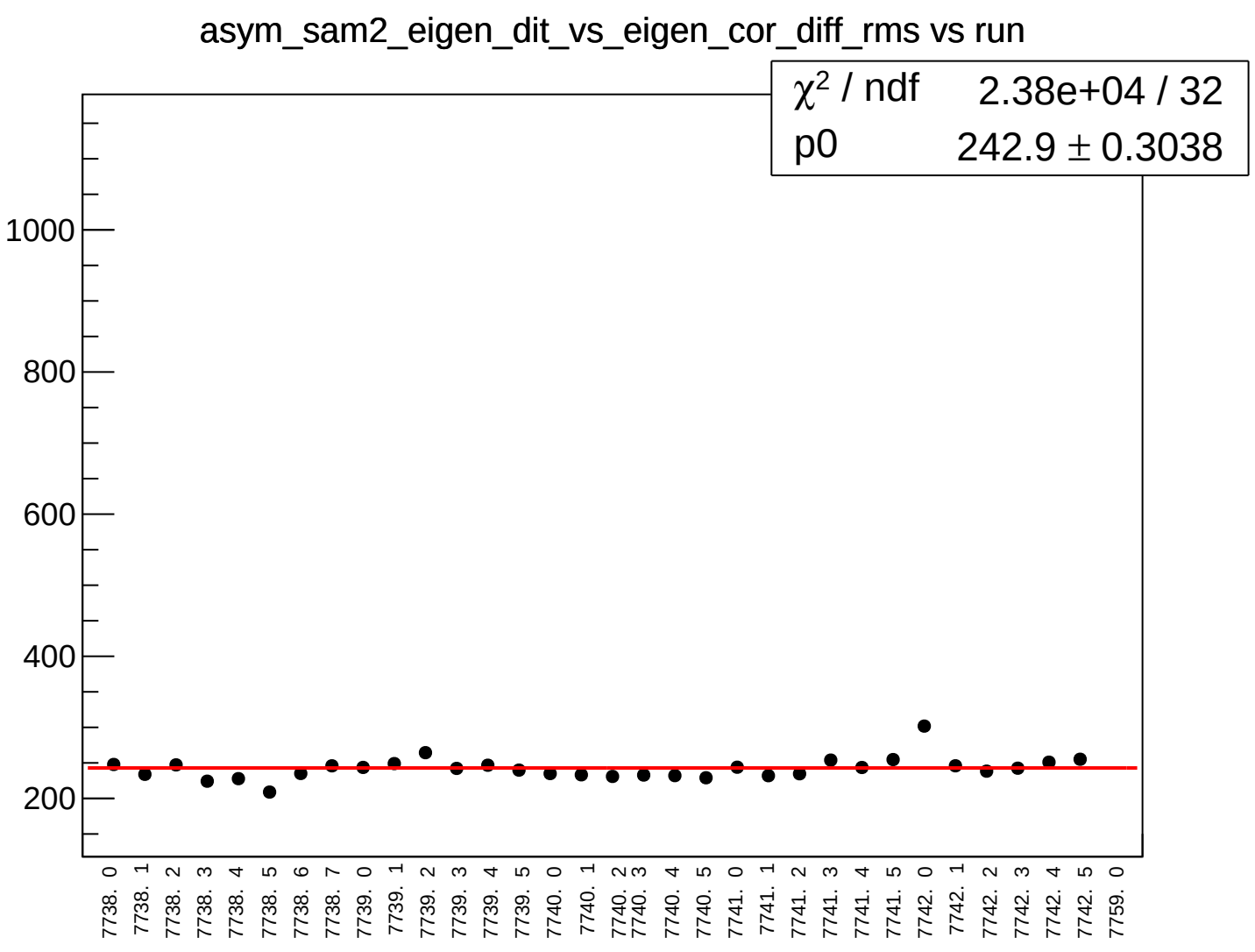


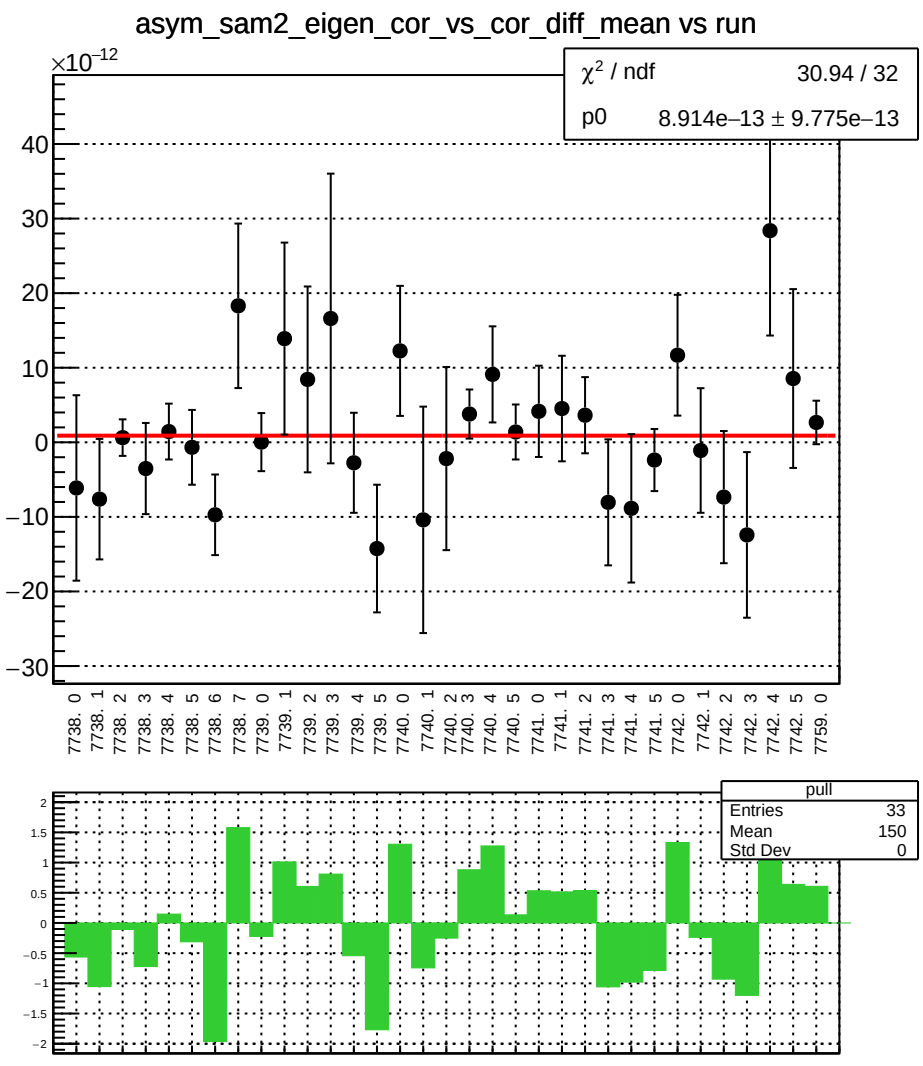


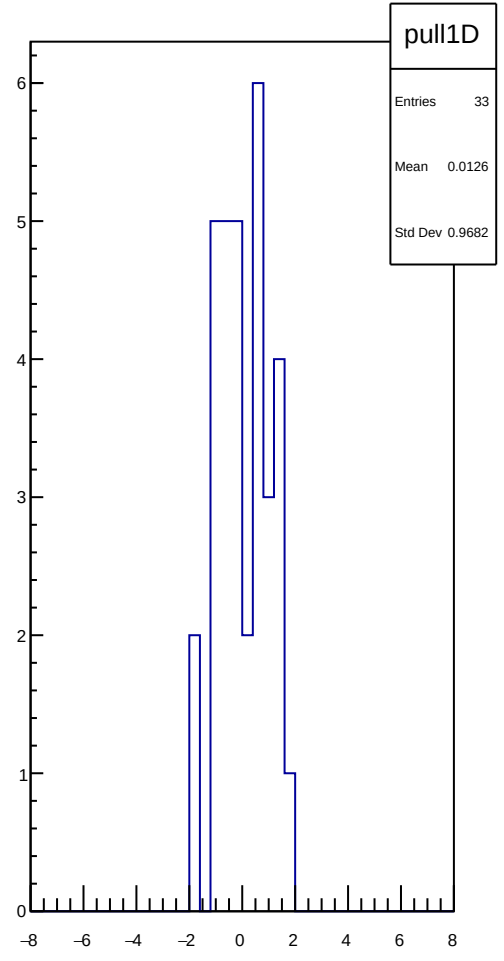

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.38e+04 / 32
p0 242.9 ± 0.3038
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

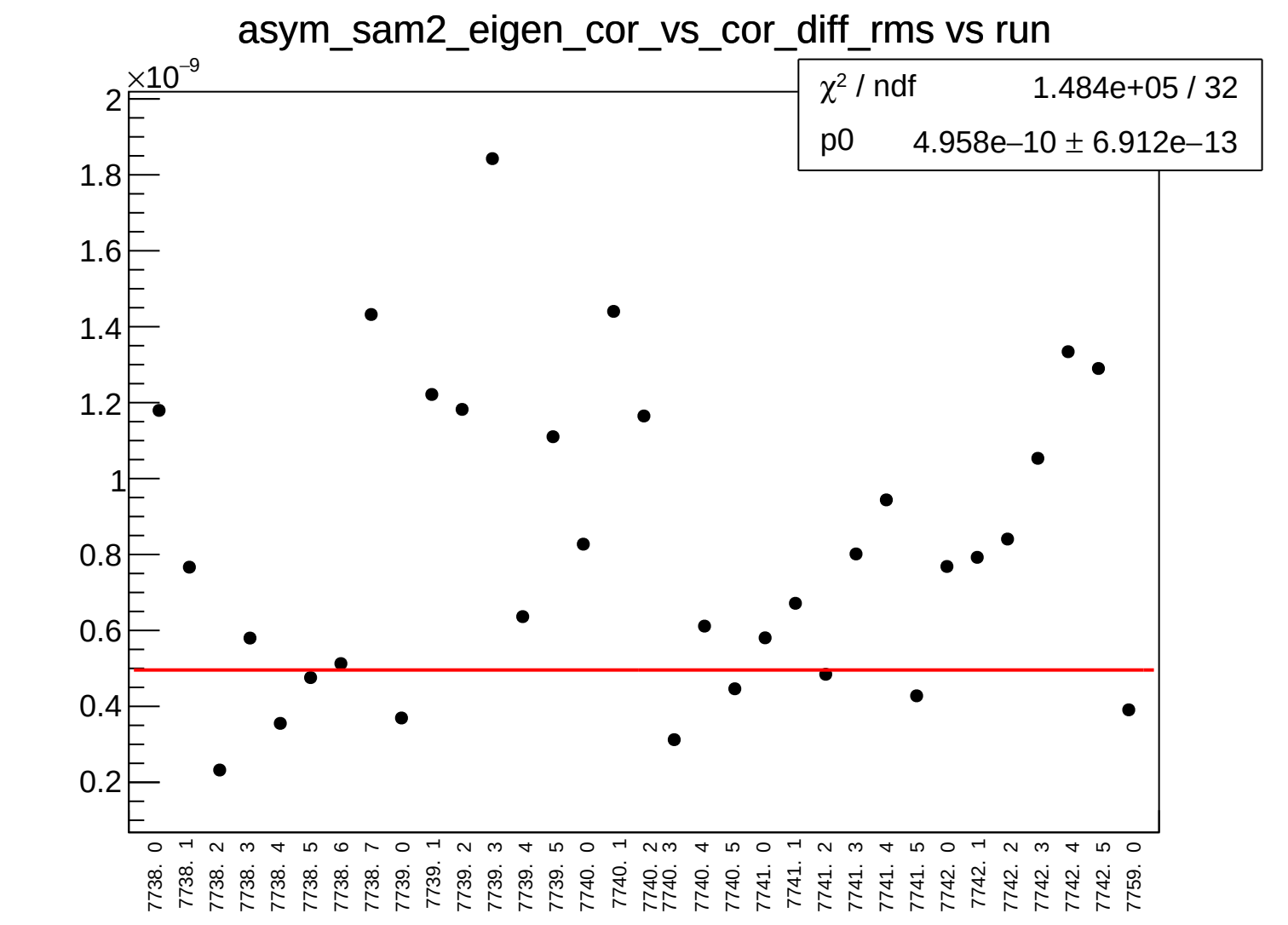

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.62 / 32
p0 0.04006 ± 0.4297
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 137.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

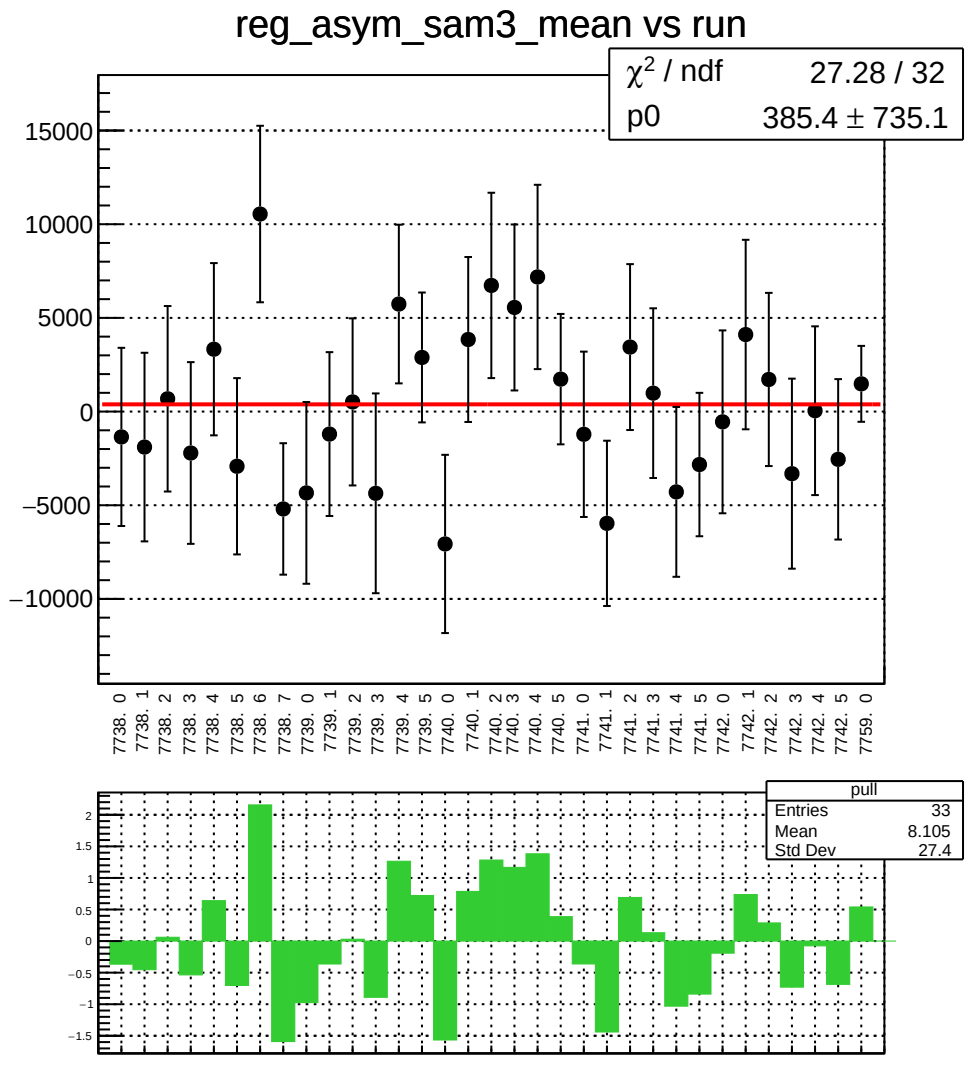

pull1D
Entries 33
Mean 0.005374
Std Dev 1.009
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

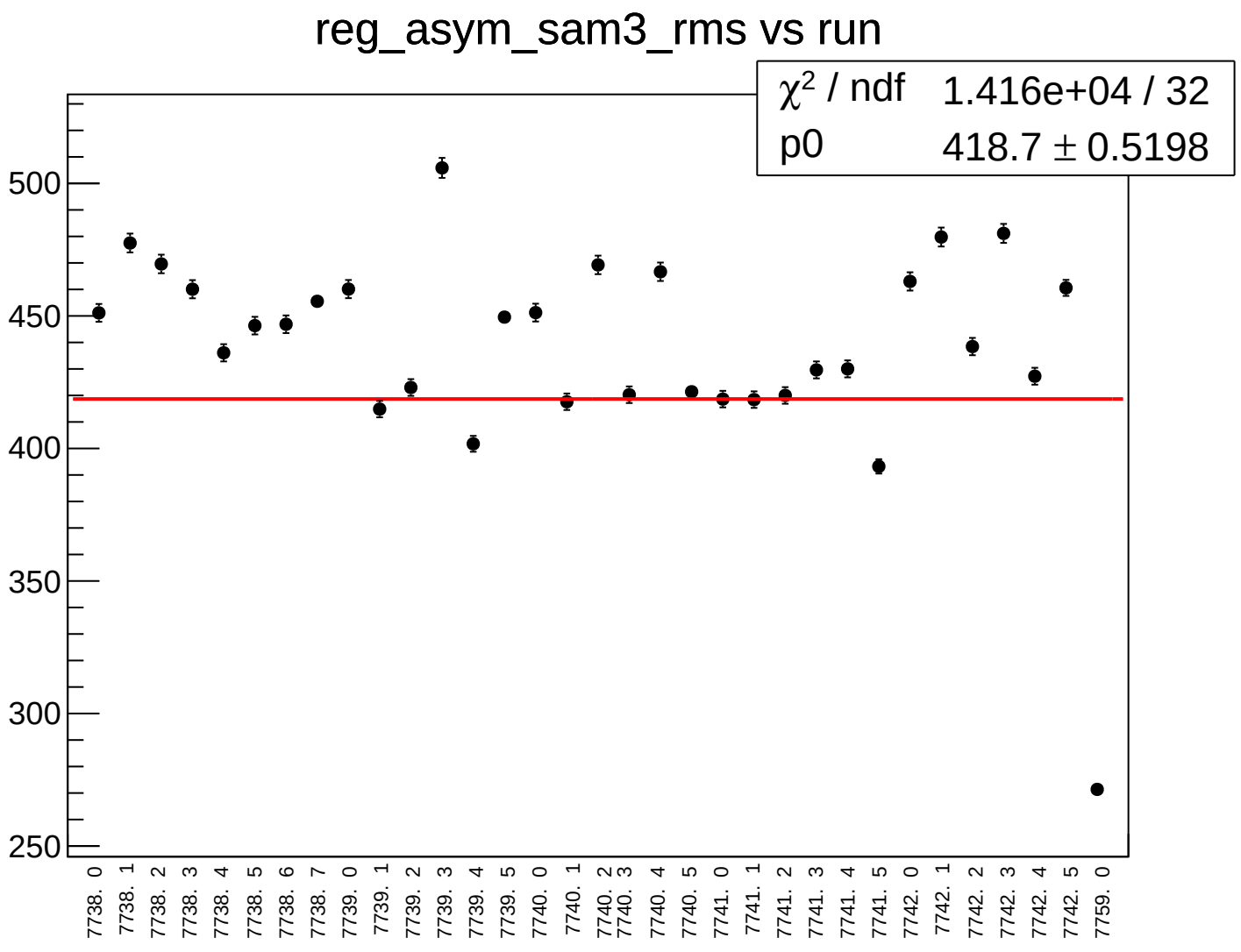

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.38e+04 / 32
p0 242.9 ± 0.3038
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

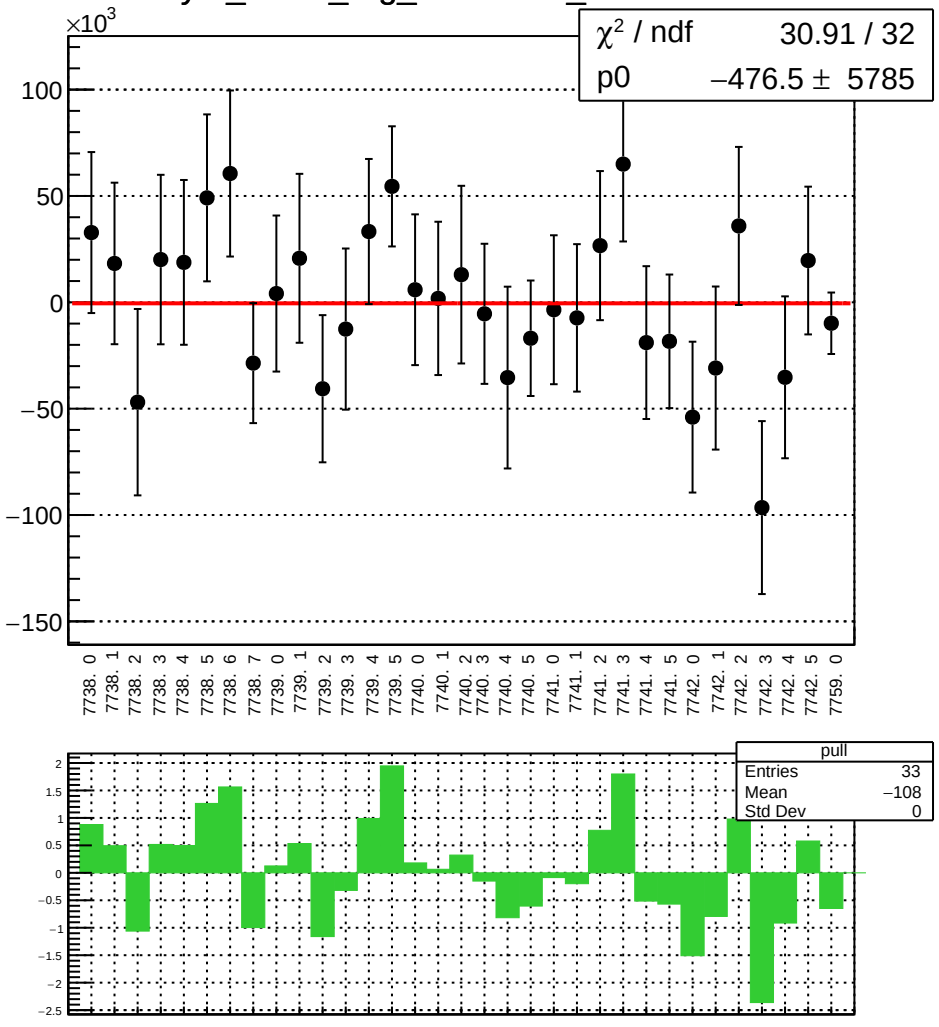

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.94 / 32
p0 8.914e−13 ± 9.775e−13
40
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 150
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

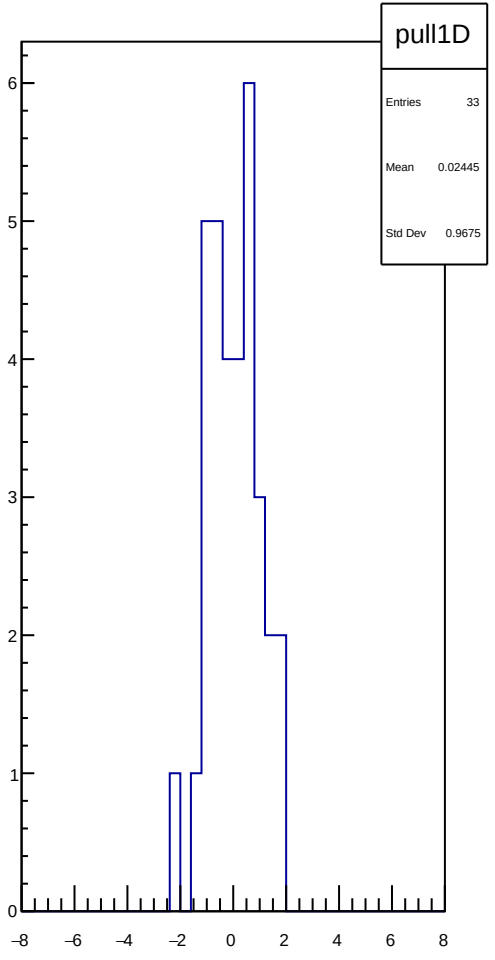

pull1D
Entries 33
Mean 0.0126
Std Dev 0.9682
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

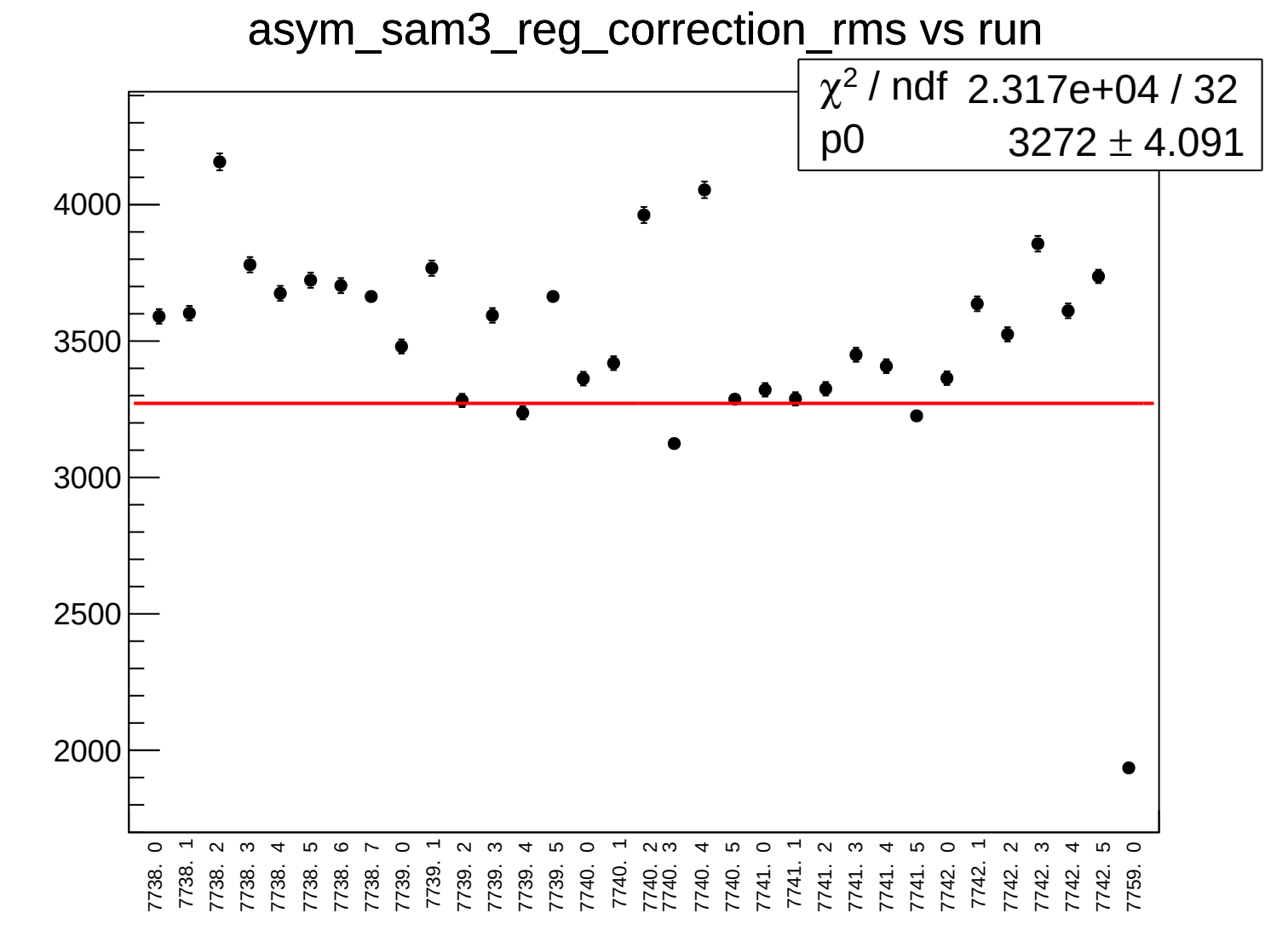

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.484e+05 / 32
p0 4.958e−10 ± 6.912e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

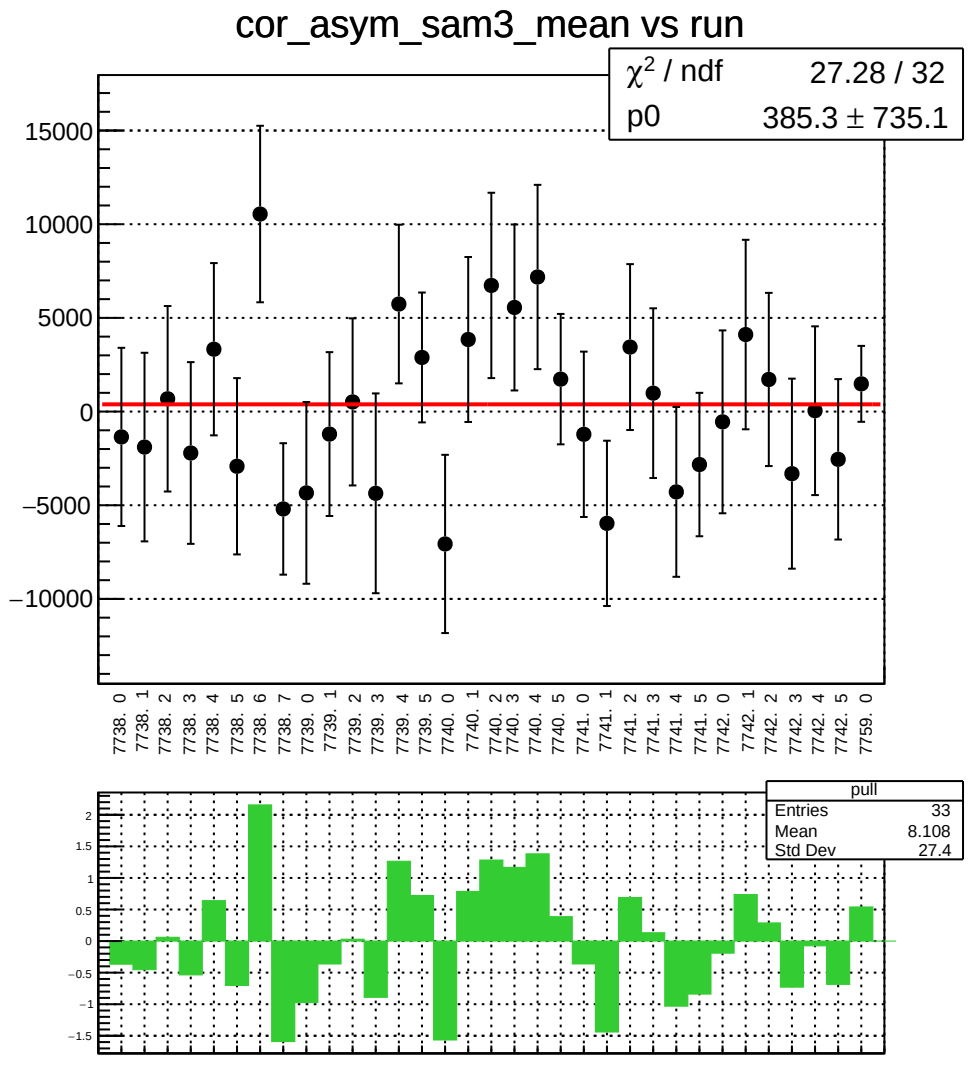

reg_asym_sam3_mean vs run
χ² / ndf 27.28 / 32
p0 385.4 ± 735.1
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.105
Std Dev 27.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01614
Std Dev 0.9091
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

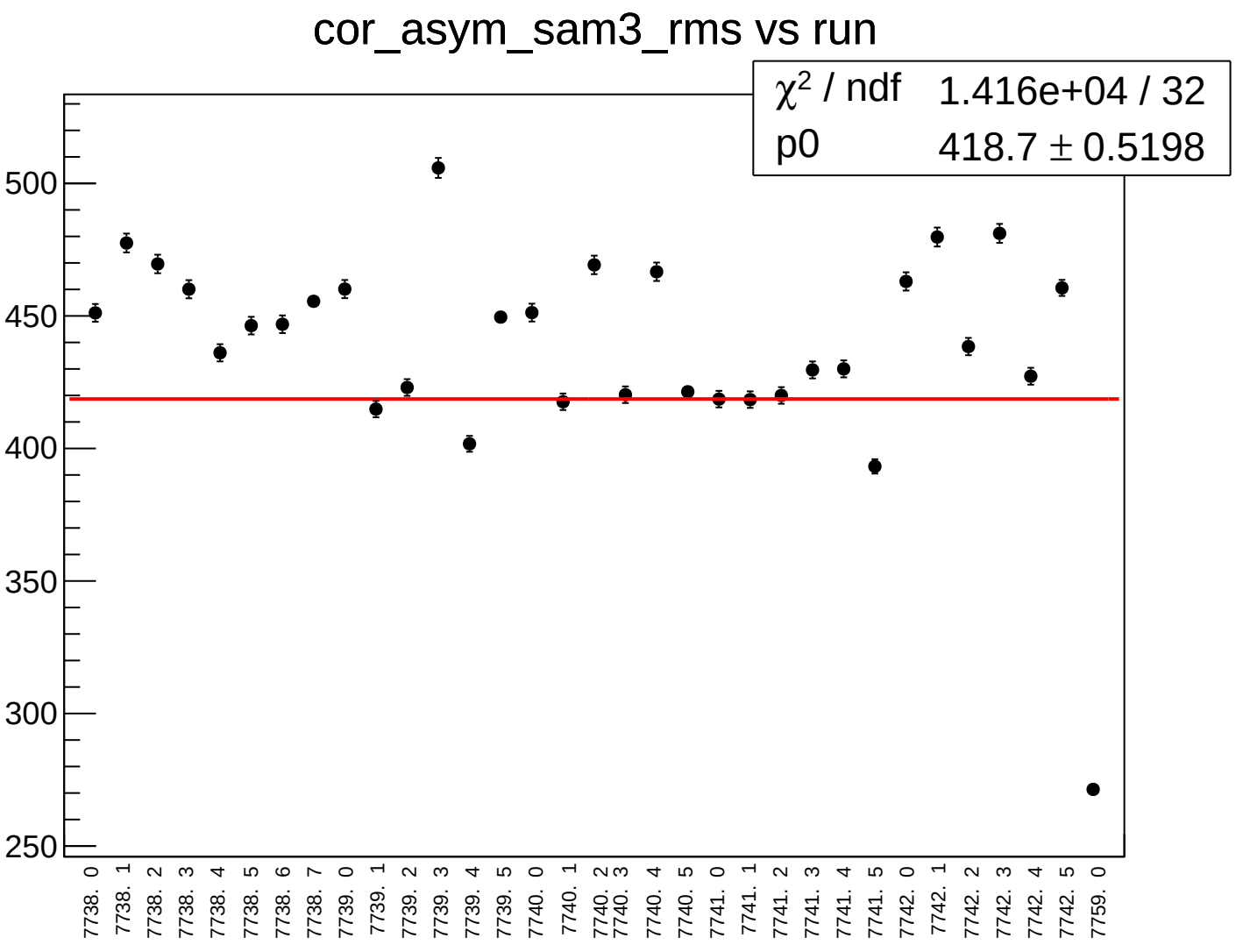

reg_asym_sam3_rms vs run
χ² / ndf 1.416e+04 / 32
p0 418.7 ± 0.5198
500
450
400
350
300
250
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

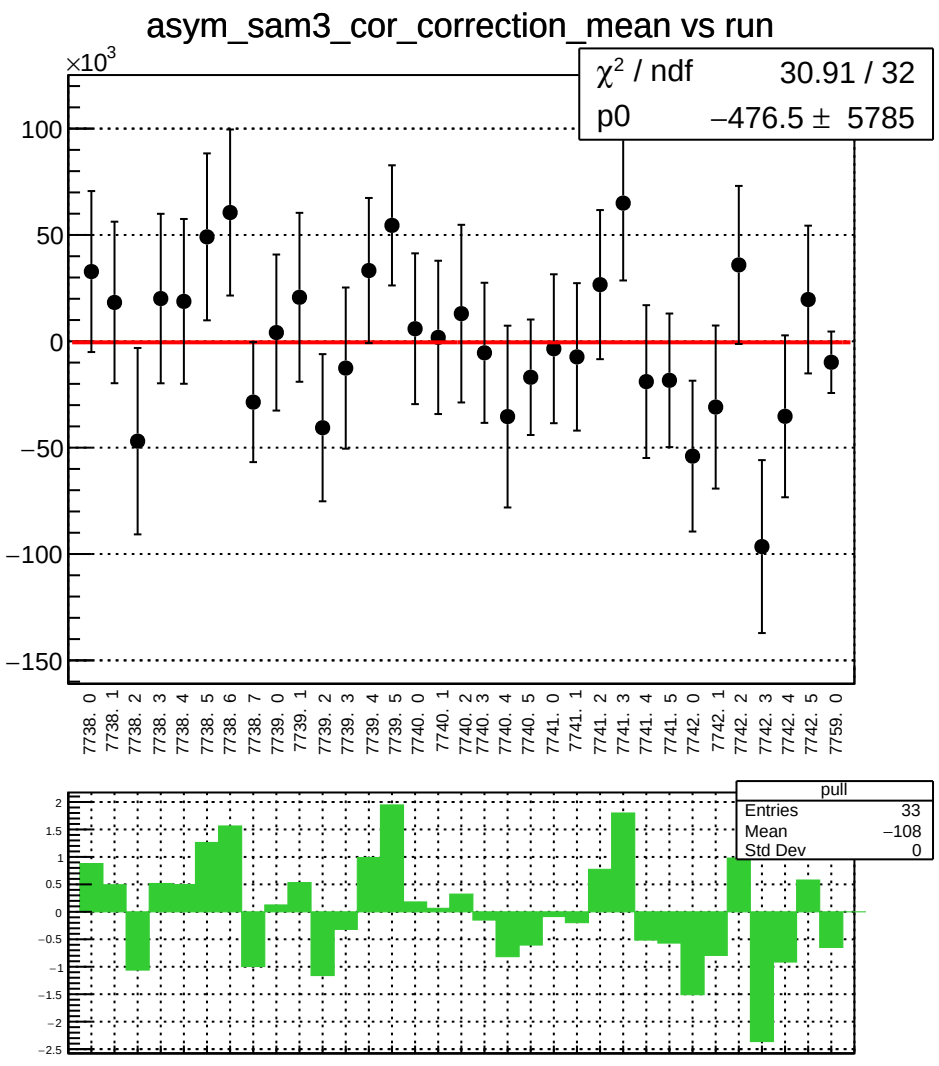

asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 30.91 / 32
p0 −476.5 ± 5785
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −108
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

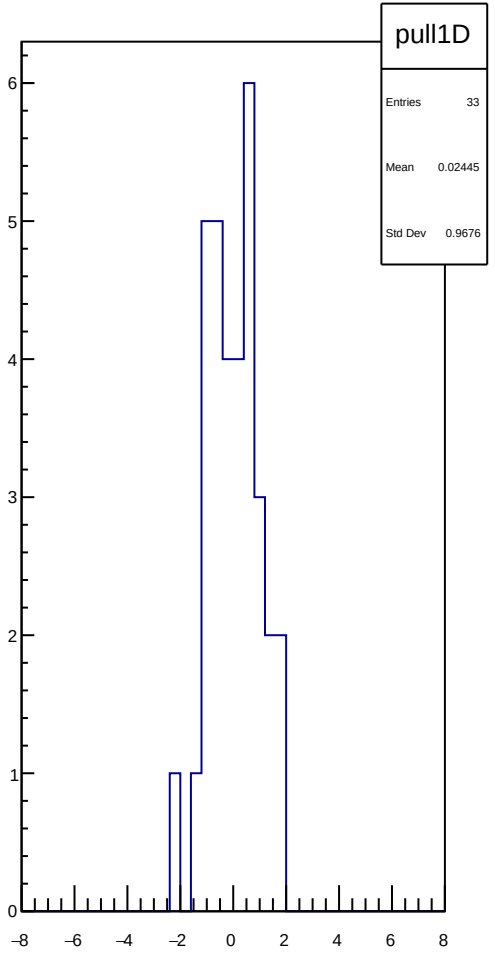

pull1D
Entries 33
Mean 0.02445
Std Dev 0.9675
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

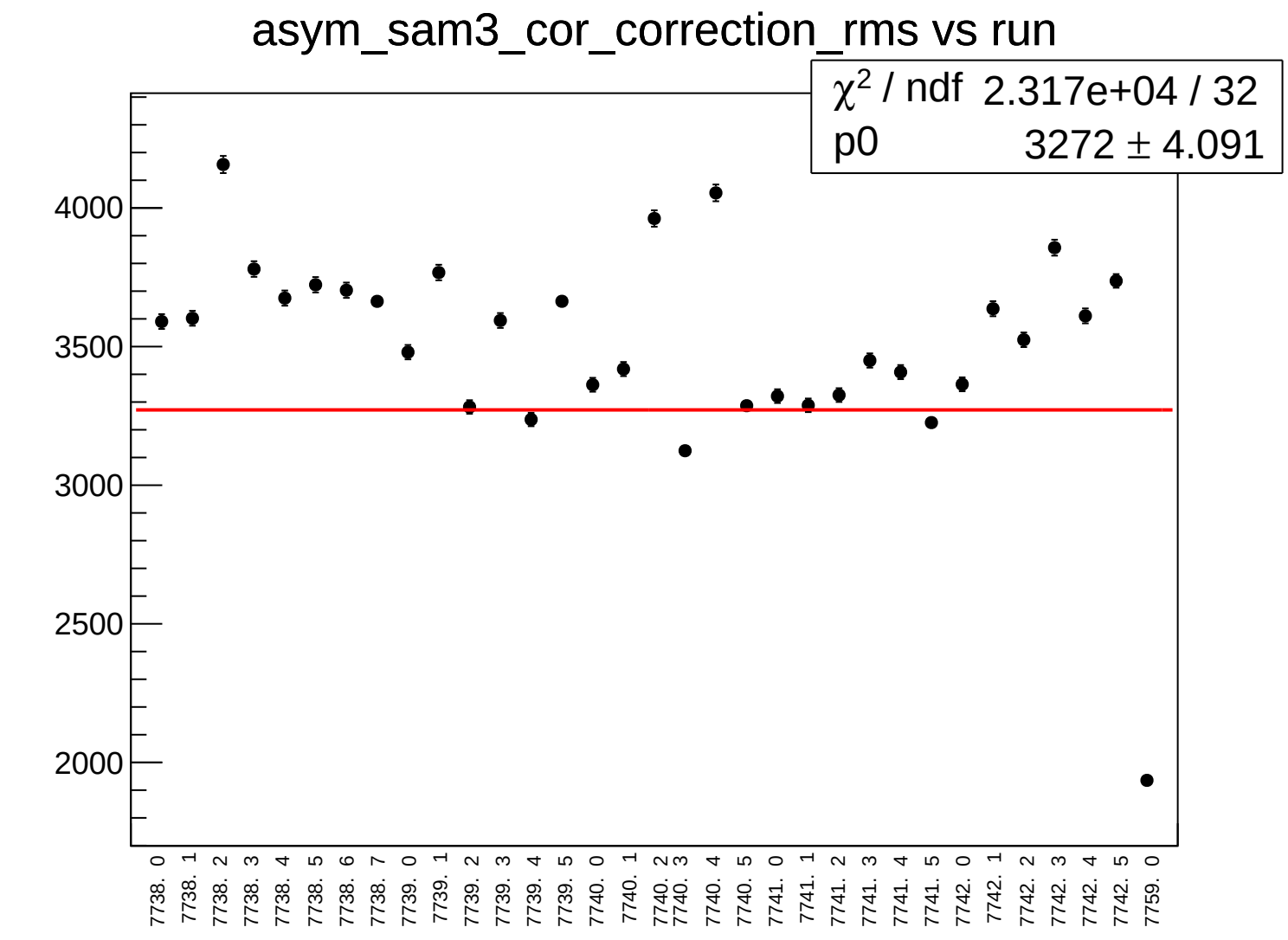

asym_sam3_reg_correction_rms vs run
χ² / ndf 2.317e+04 / 32
p0 3272 ± 4.091
4000
3500
3000
2500
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

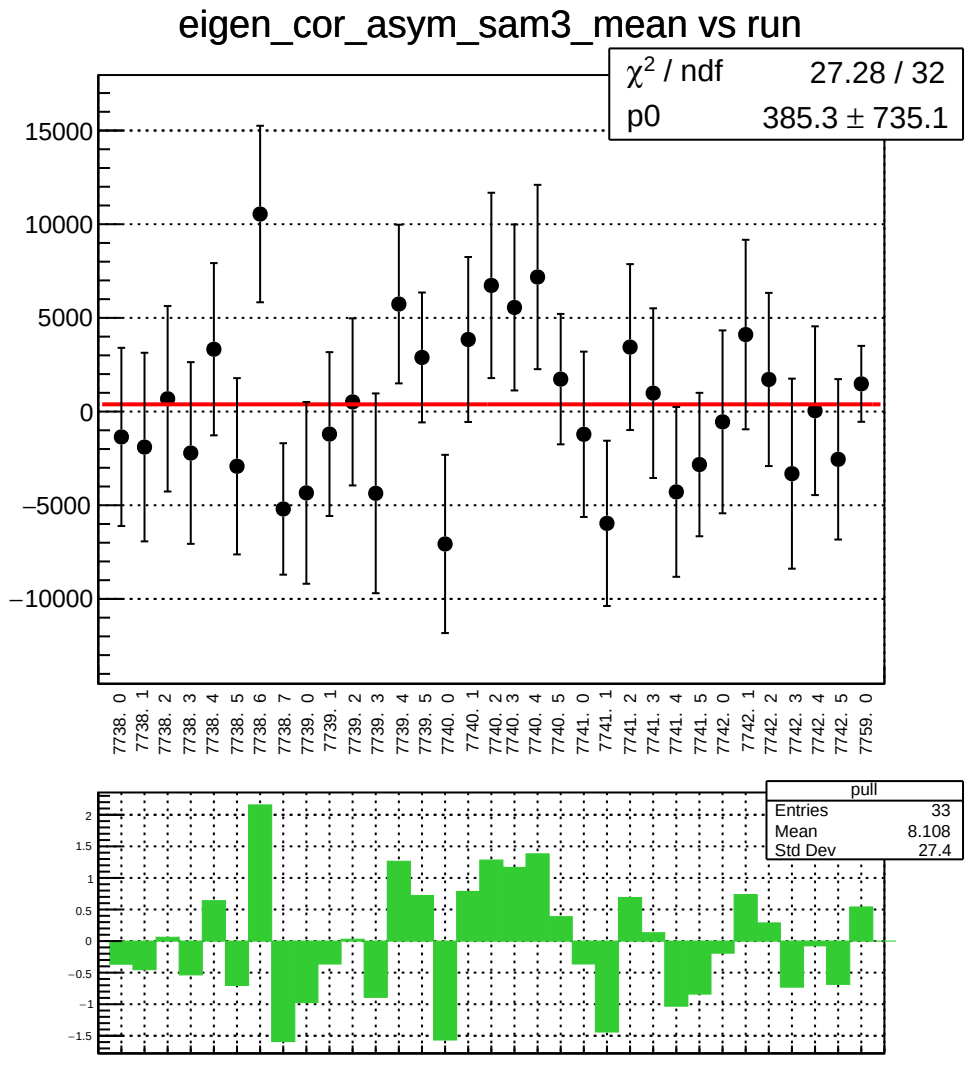

cor_asym_sam3_mean vs run
χ² / ndf 27.28 / 32
p0 385.3 ± 735.1
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.108
Std Dev 27.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01614
Std Dev 0.9091
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

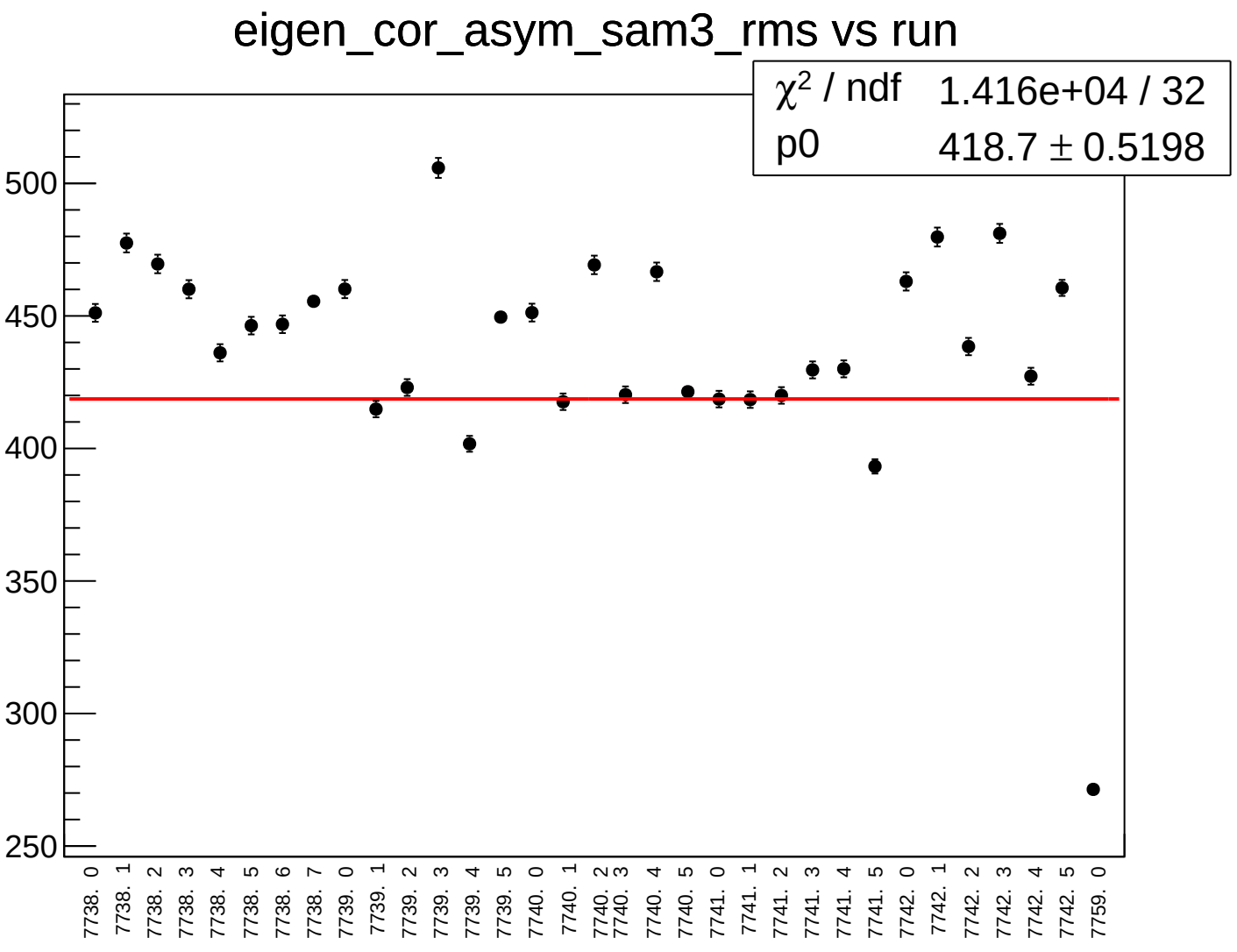

cor_asym_sam3_rms vs run
χ² / ndf 1.416e+04 / 32
p0 418.7 ± 0.5198
500
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

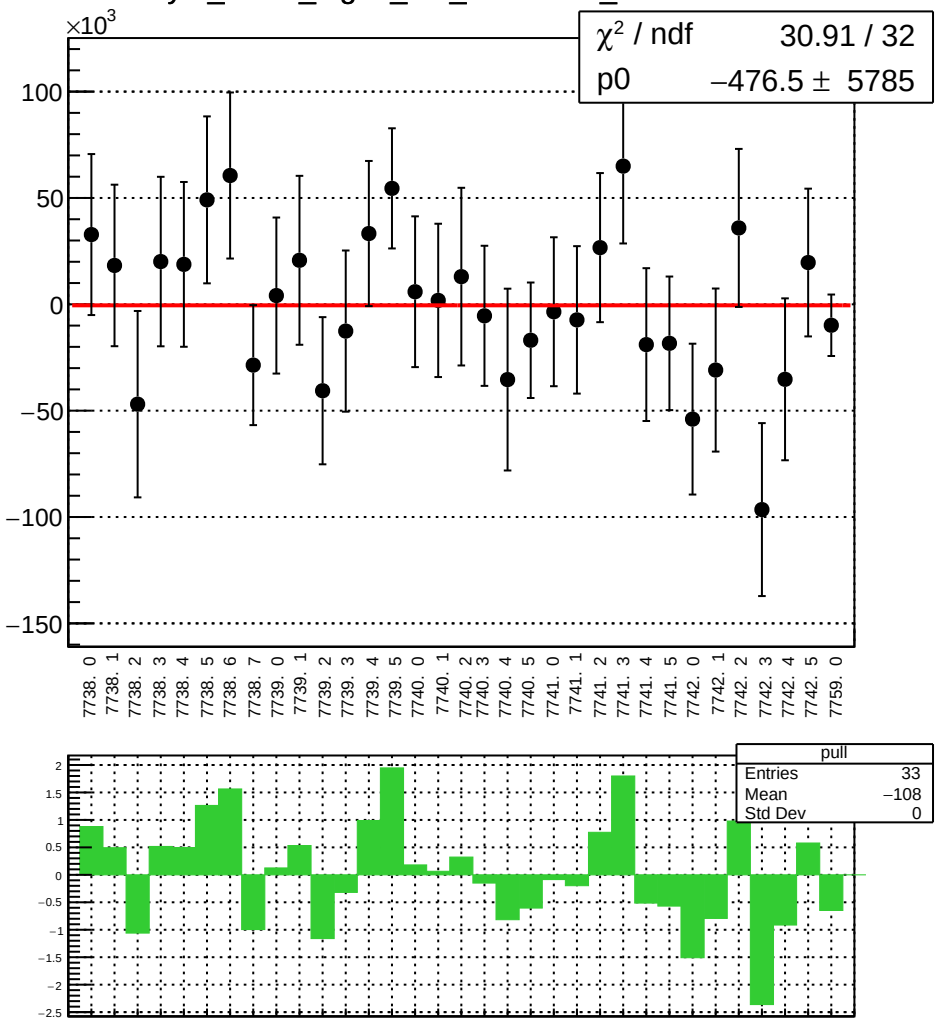

asym_sam3_cor_correction_mean vs run
×10^3
χ² / ndf 30.91 / 32
p0 −476.5 ± 5785
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −108
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

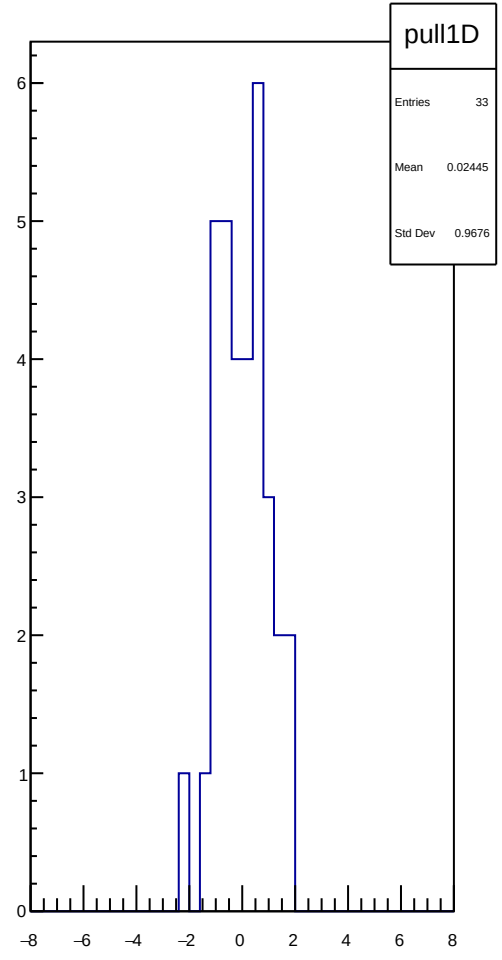

pull1D
Entries 33
Mean 0.02445
Std Dev 0.9676
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

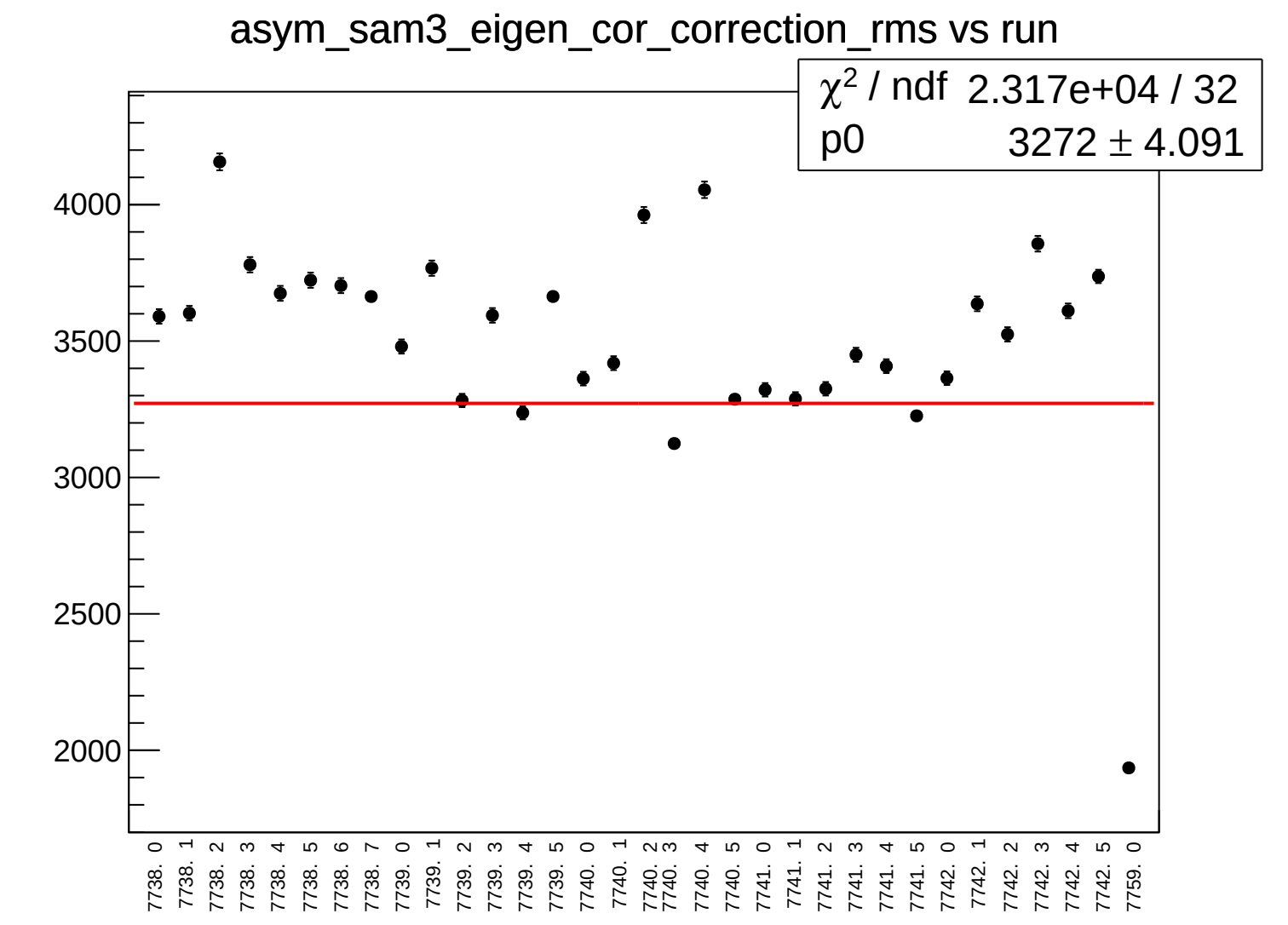

asym_sam3_cor_correction_rms vs run
χ² / ndf 2.317e+04 / 32
p0 3272 ± 4.091
4000
3500
3000
2500
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

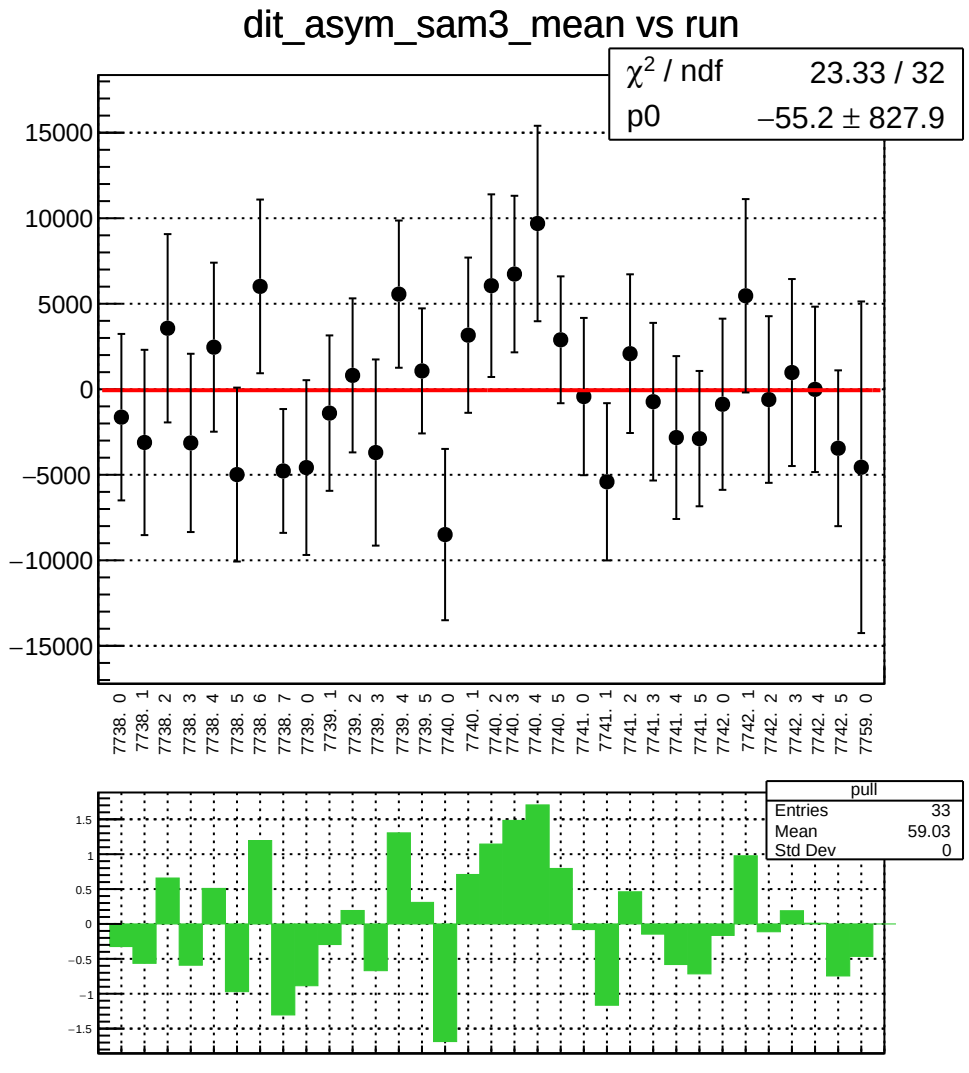

eigen_cor_asym_sam3_mean vs run
χ² / ndf 27.28 / 32
p0 385.3 ± 735.1
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.108
Std Dev 27.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01614
Std Dev 0.9091
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

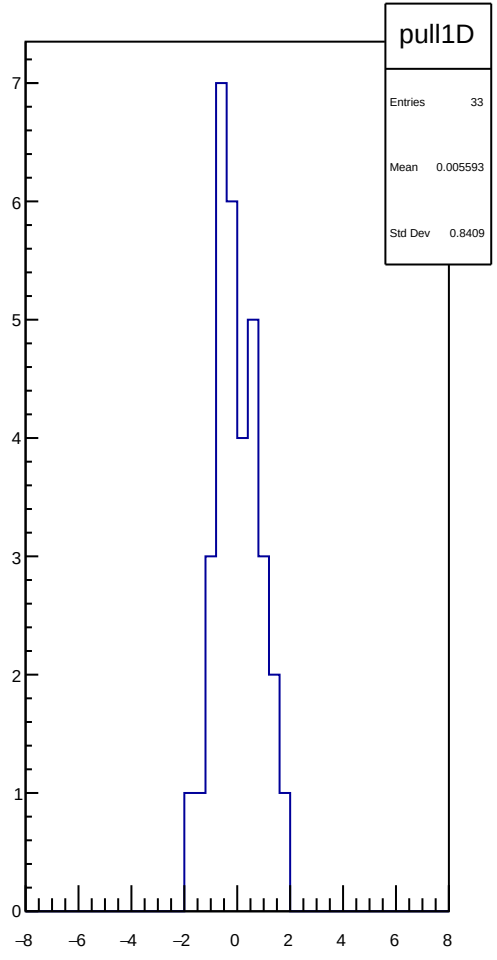

eigen_cor_asym_sam3_rms vs run
χ² / ndf 1.416e+04 / 32
p0 418.7 ± 0.5198
500
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

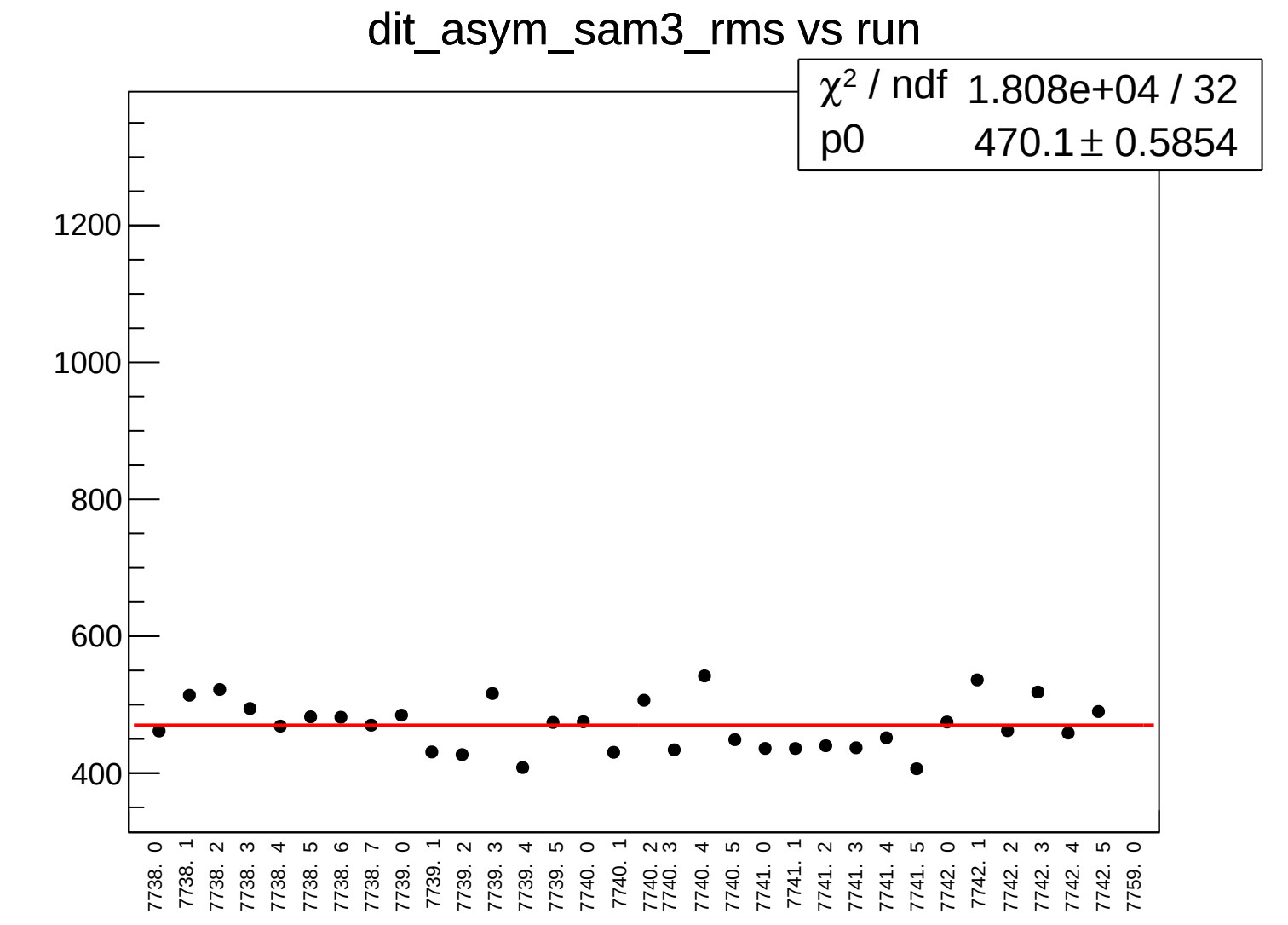

asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.91 / 32
p0 −476.5 ± 5785
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −108
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

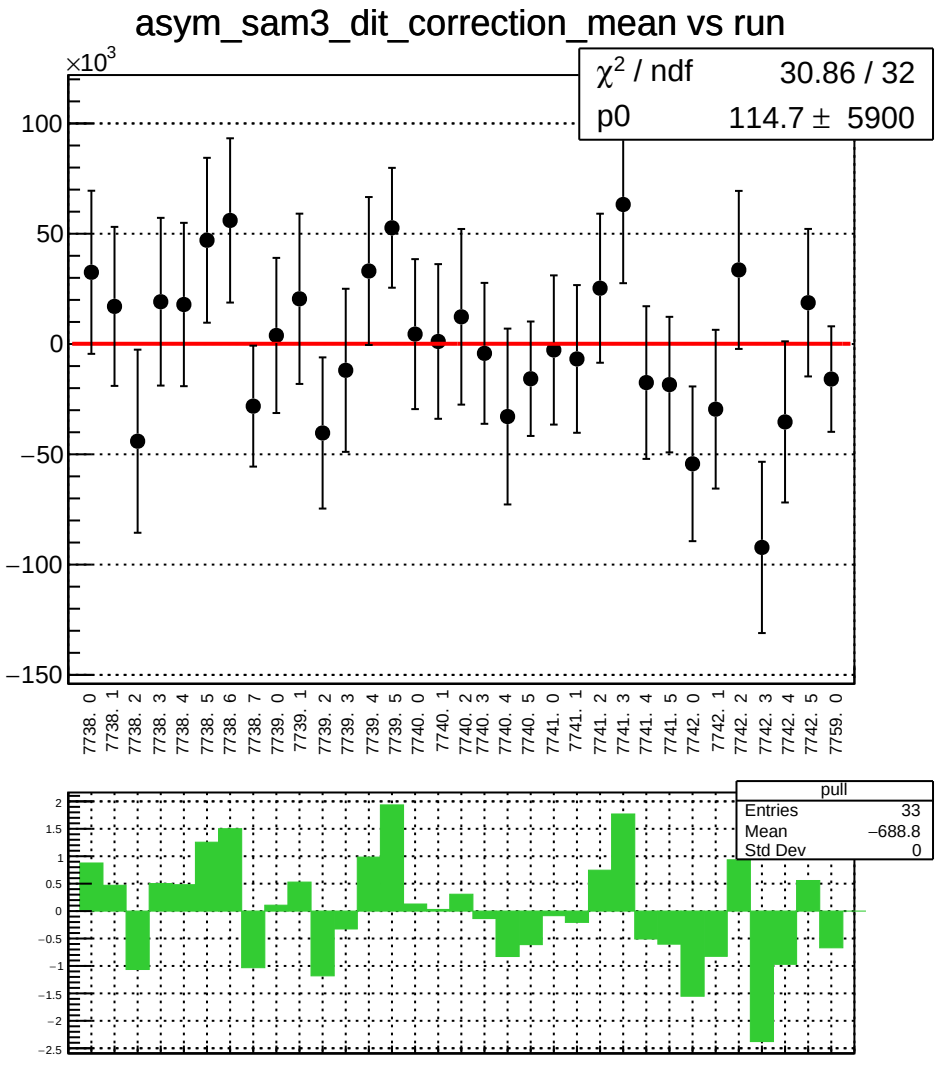

pull1D
Entries 33
Mean 0.02445
Std Dev 0.9676
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

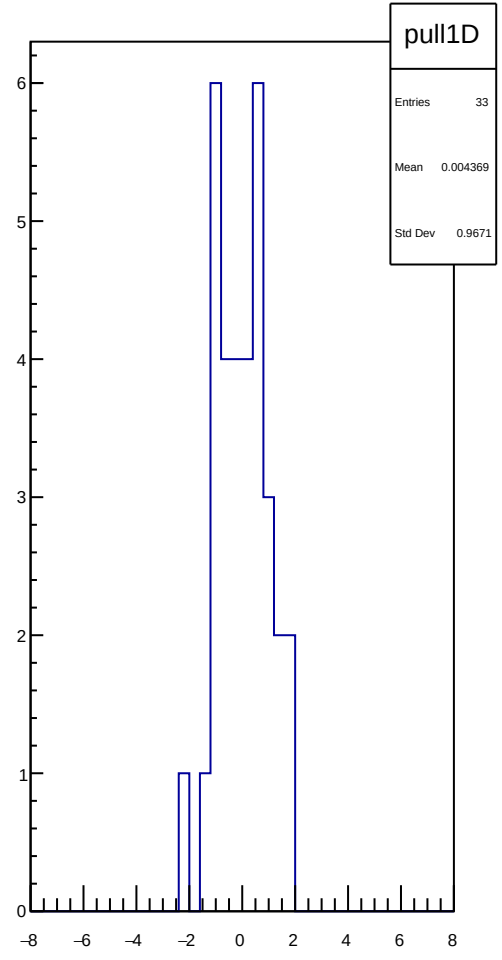

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 2.317e+04 / 32
p0 3272 ± 4.091
4000
3500
3000
2500
2000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

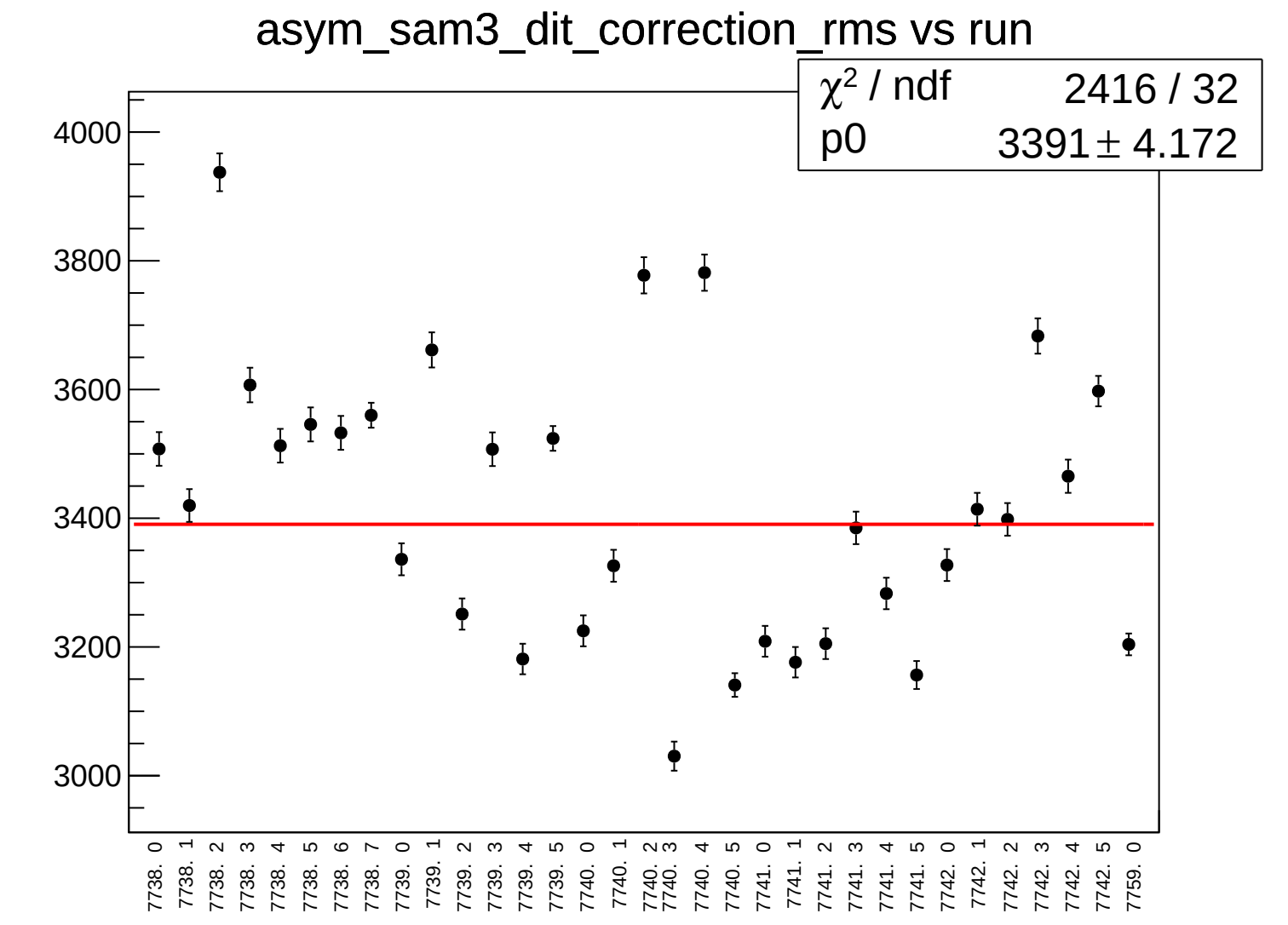

dit_asym_sam3_mean vs run
χ² / ndf 23.33 / 32
p0 −55.2 ± 827.9
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 59.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

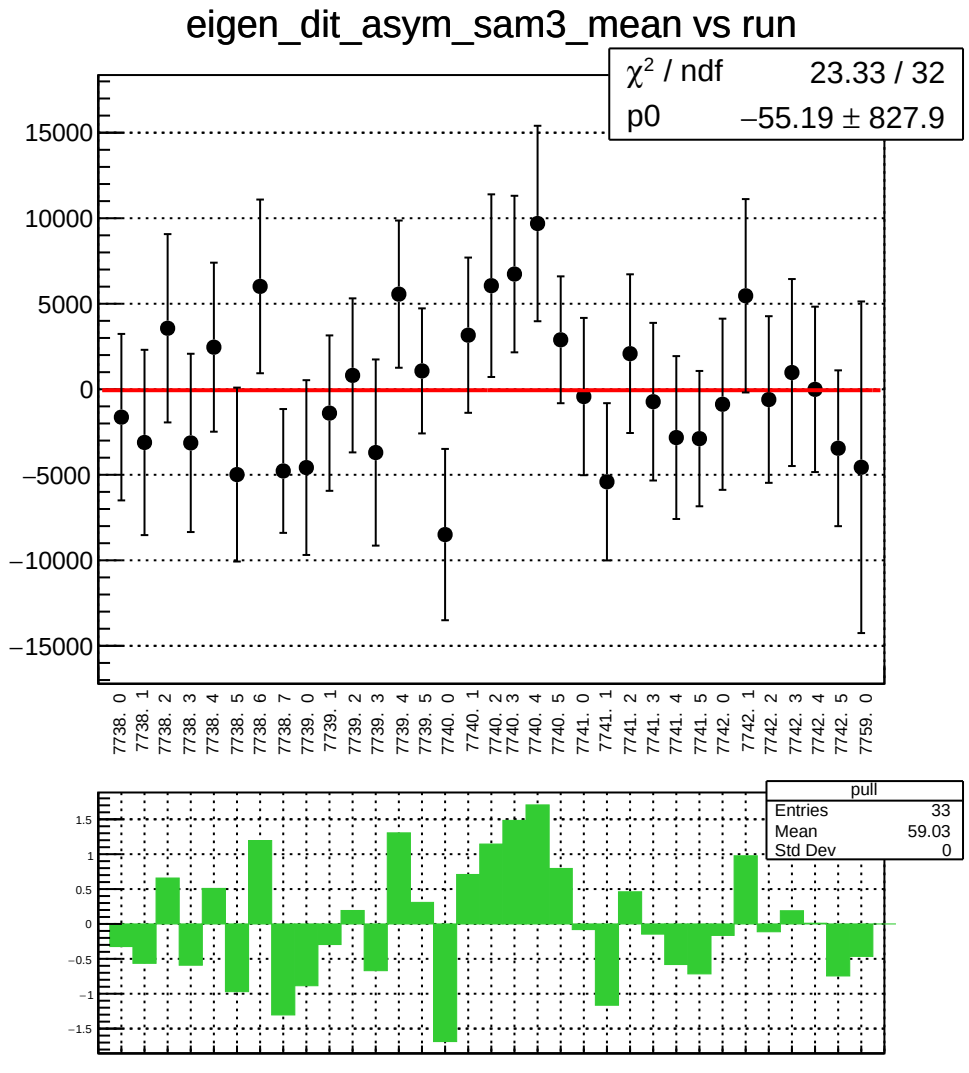

pull1D
Entries 33
Mean 0.005593
Std Dev 0.8409
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

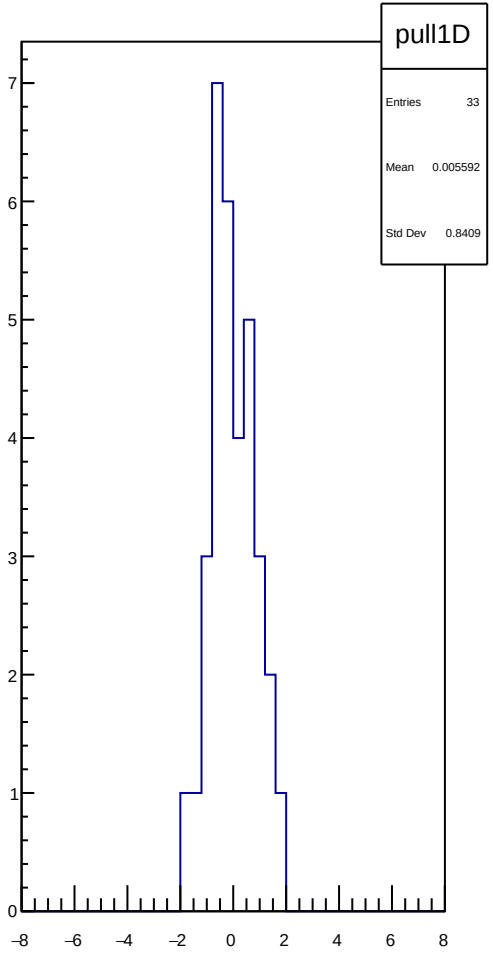

dit_asym_sam3_rms vs run
χ² / ndf 1.808e+04 / 32
p0 470.1 ± 0.5854
1200
1000
800
600
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

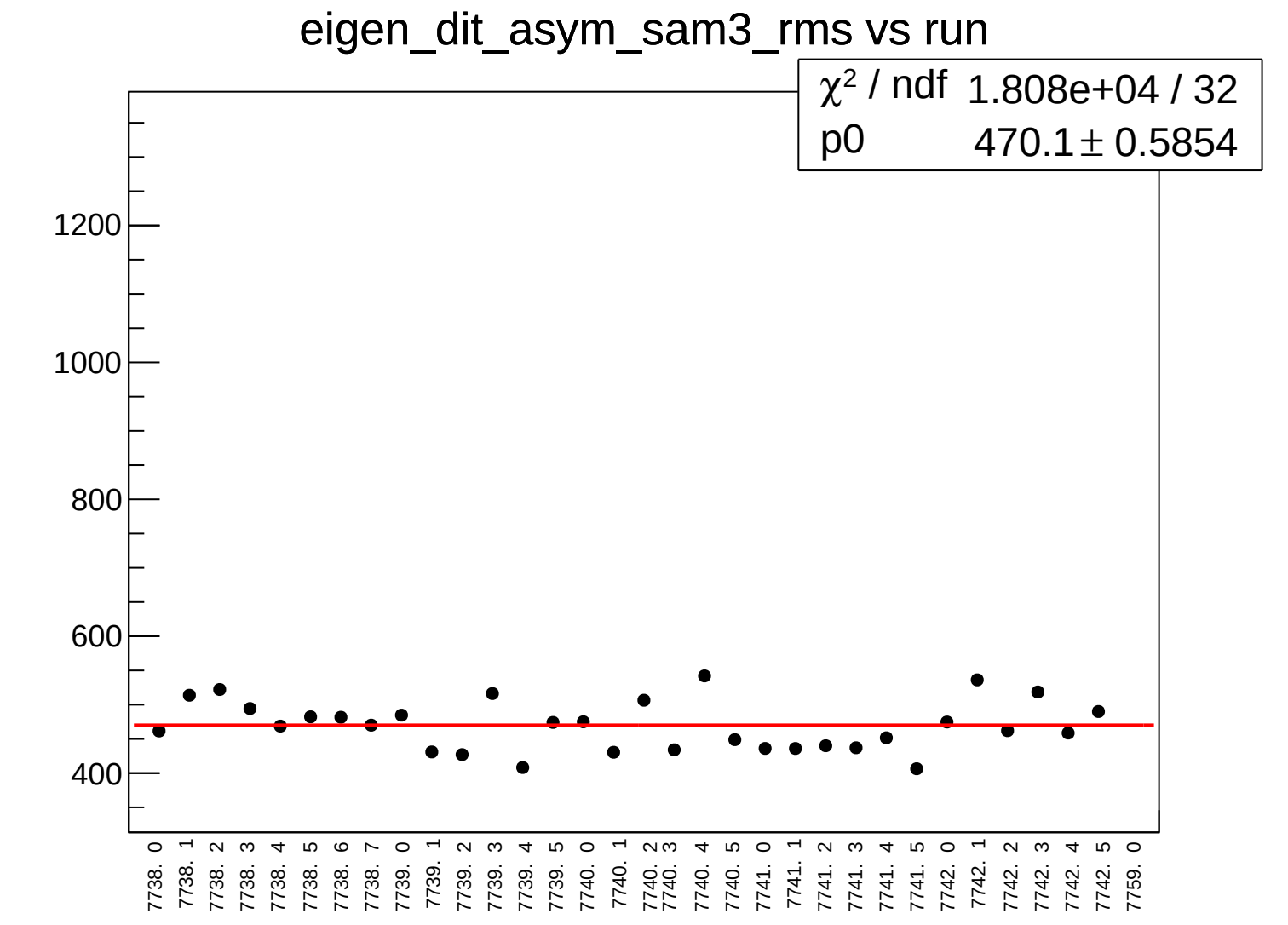

asym_sam3_dit_correction_mean vs run
×10^3
χ² / ndf 30.86 / 32
p0 114.7 ± 5900
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −688.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

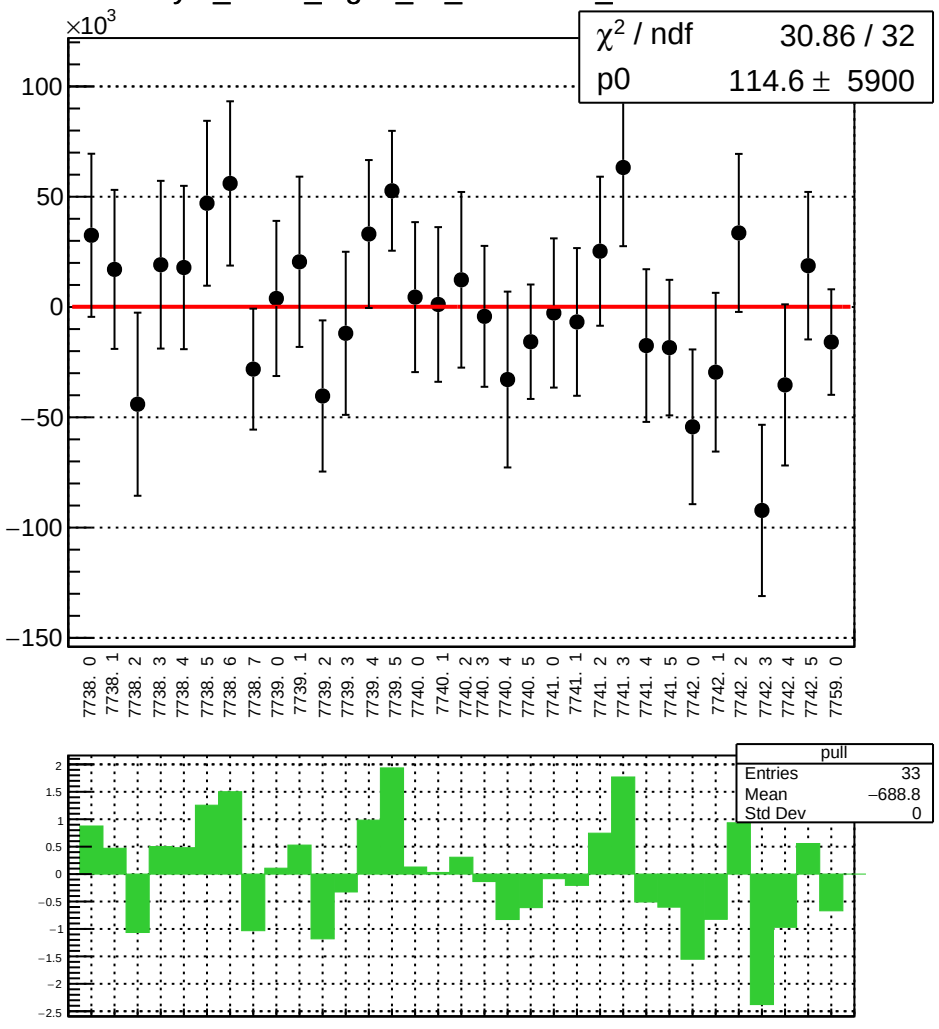

pull1D
Entries 33
Mean 0.004369
Std Dev 0.9671
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

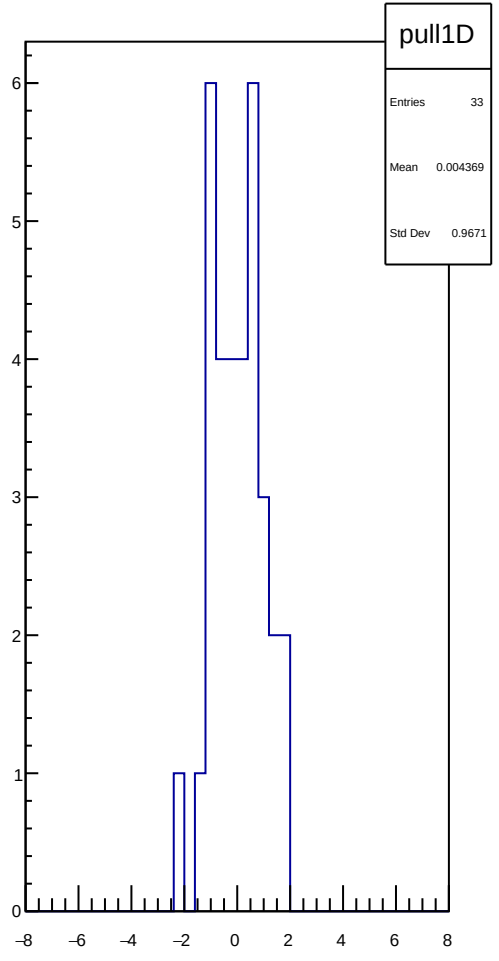

asym_sam3_dit_correction_rms vs run
χ² / ndf 2416 / 32
p0 3391 ± 4.172
4000
3800
3600
3400
3200
3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

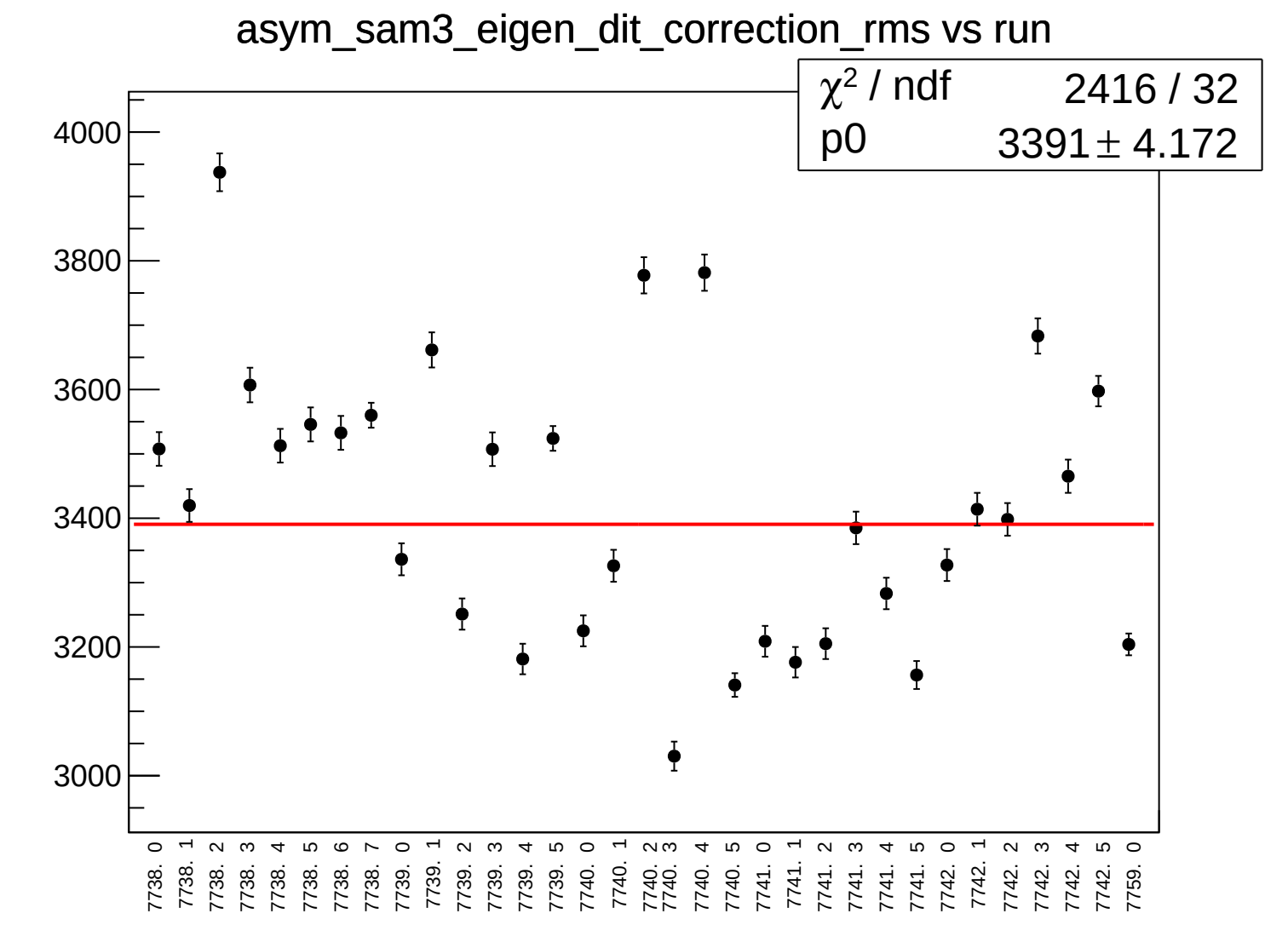

eigen_dit_asym_sam3_mean vs run
χ² / ndf 23.33 / 32
p0 −55.19 ± 827.9
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 59.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

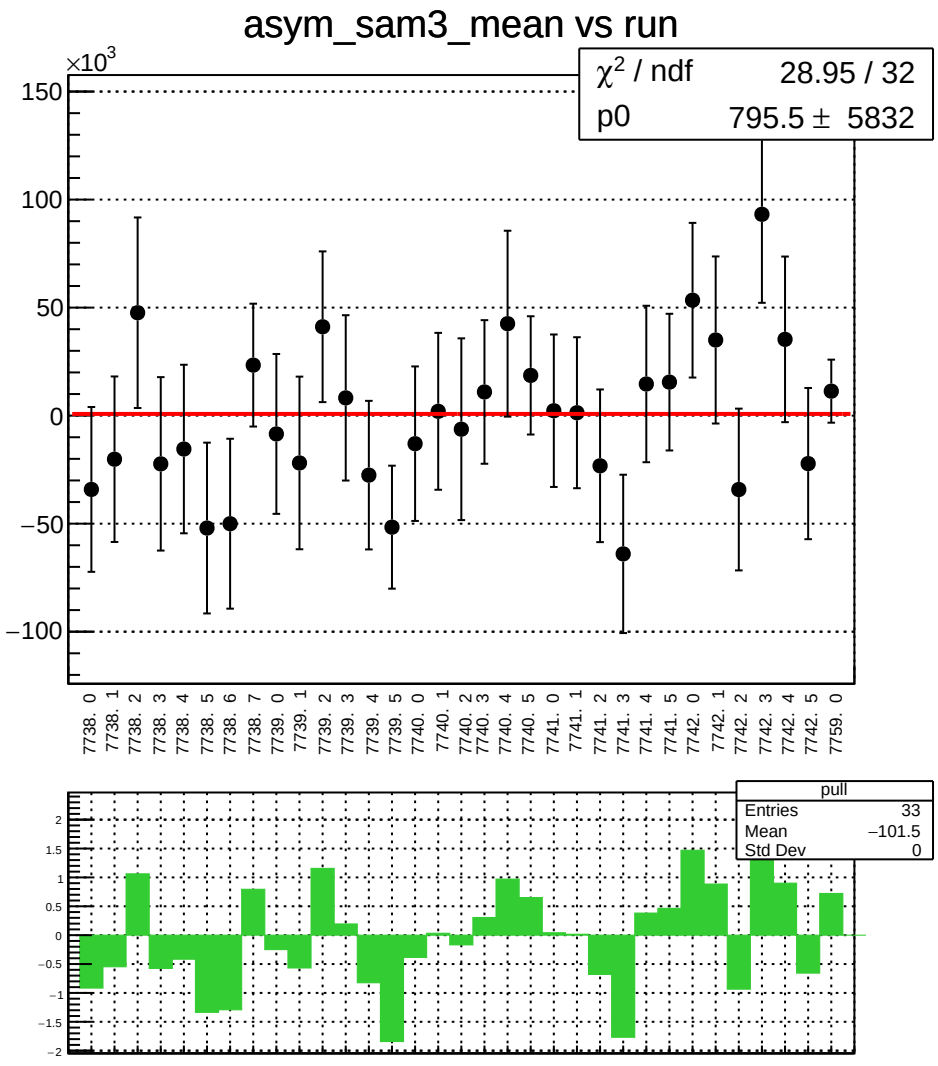

pull1D
Entries 33
Mean 0.005592
Std Dev 0.8409
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

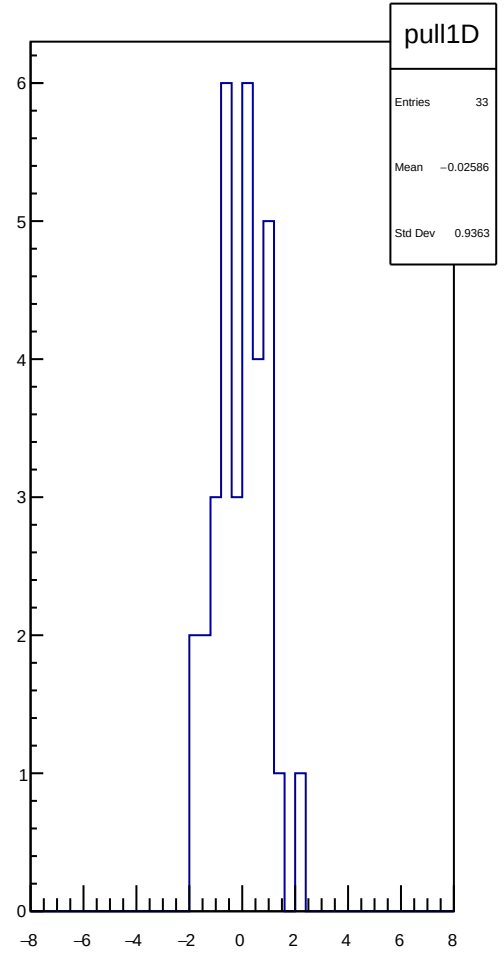

eigen_dit_asym_sam3_rms vs run
χ² / ndf 1.808e+04 / 32
p0 470.1 ± 0.5854
1200
1000
800
600
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

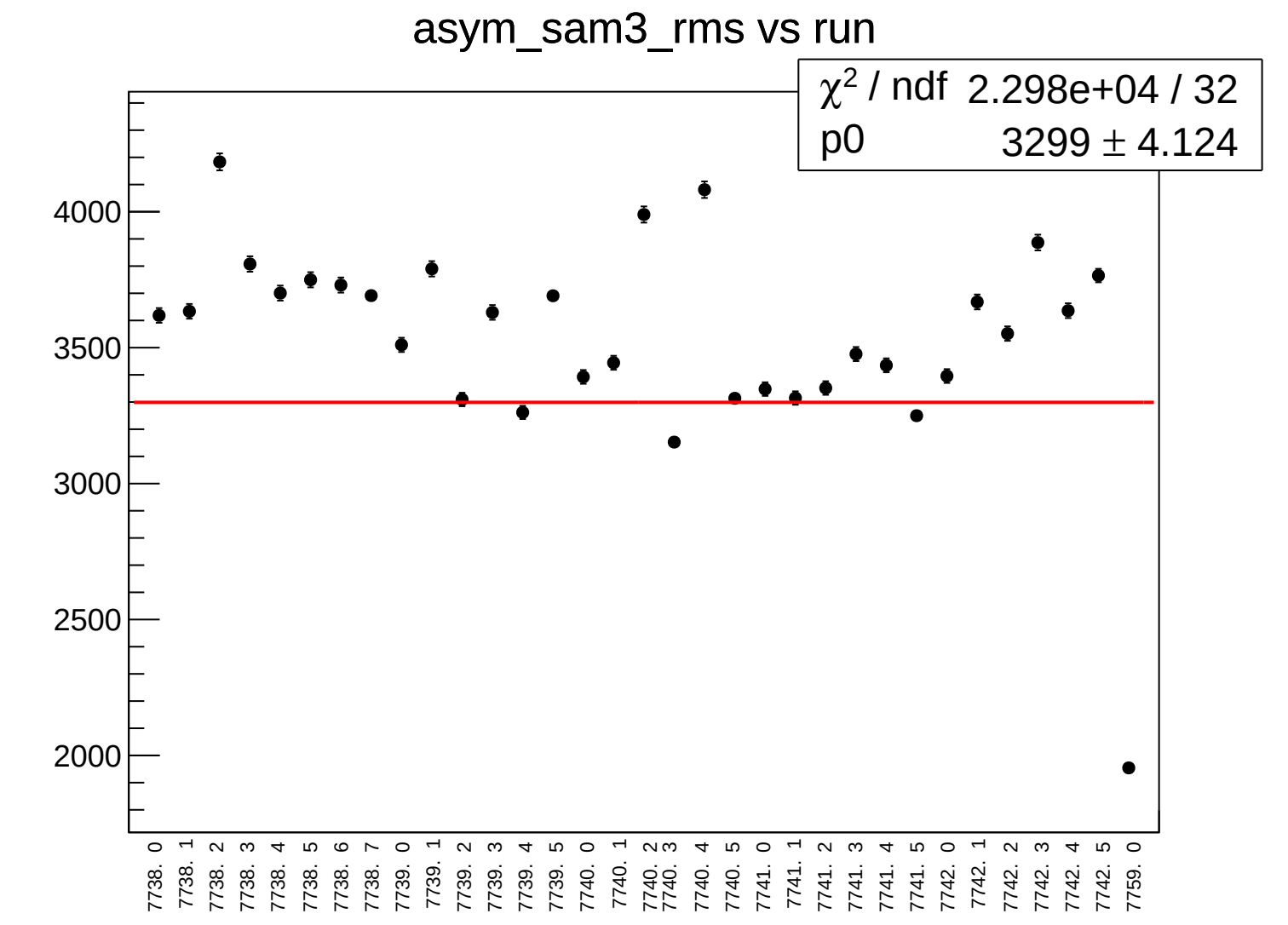

asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.86 / 32
p0 114.6 ± 5900
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −688.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

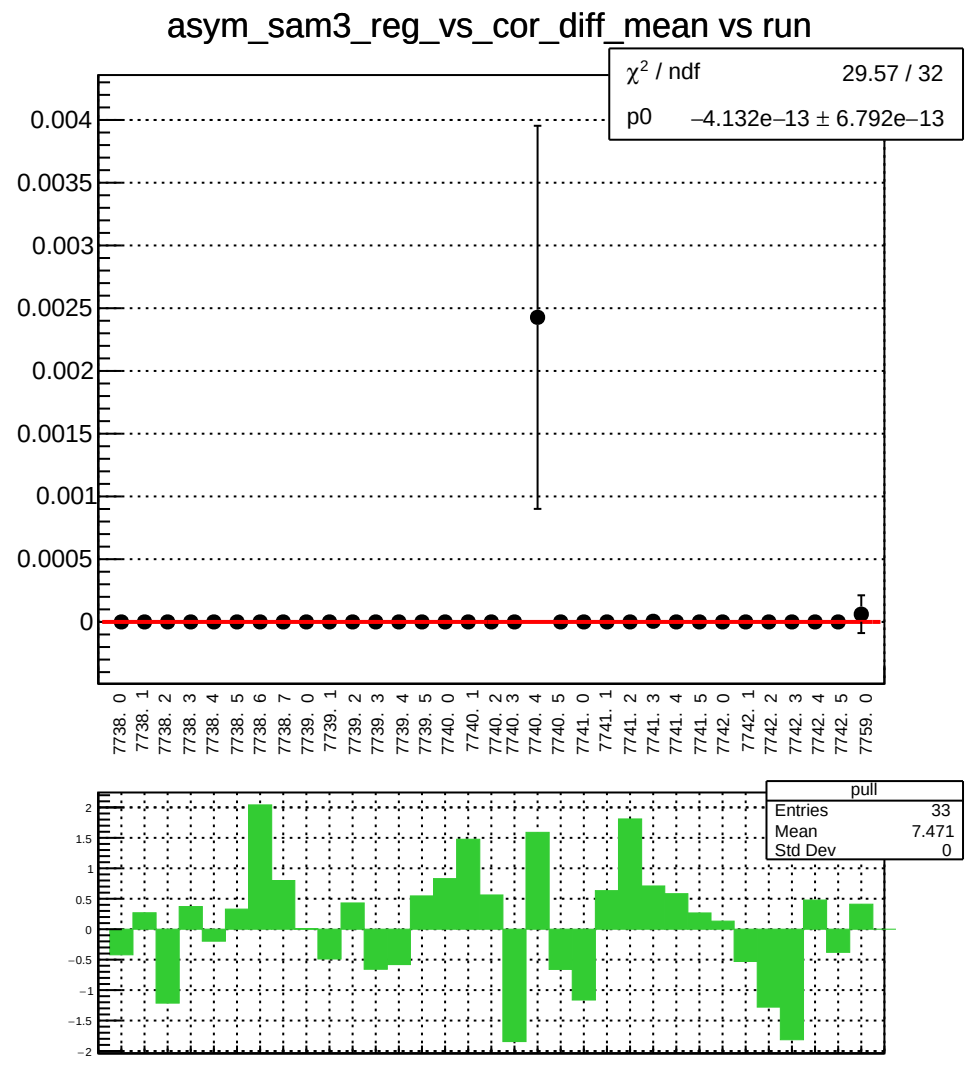

pull1D
Entries 33
Mean 0.004369
Std Dev 0.9671
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

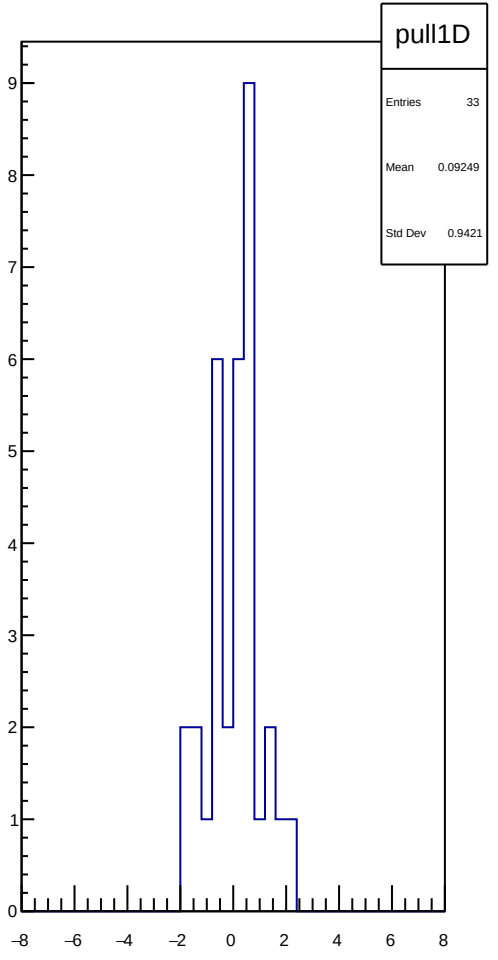

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 2416 / 32
p0 3391 ± 4.172
4000
3800
3600
3400
3200
3000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

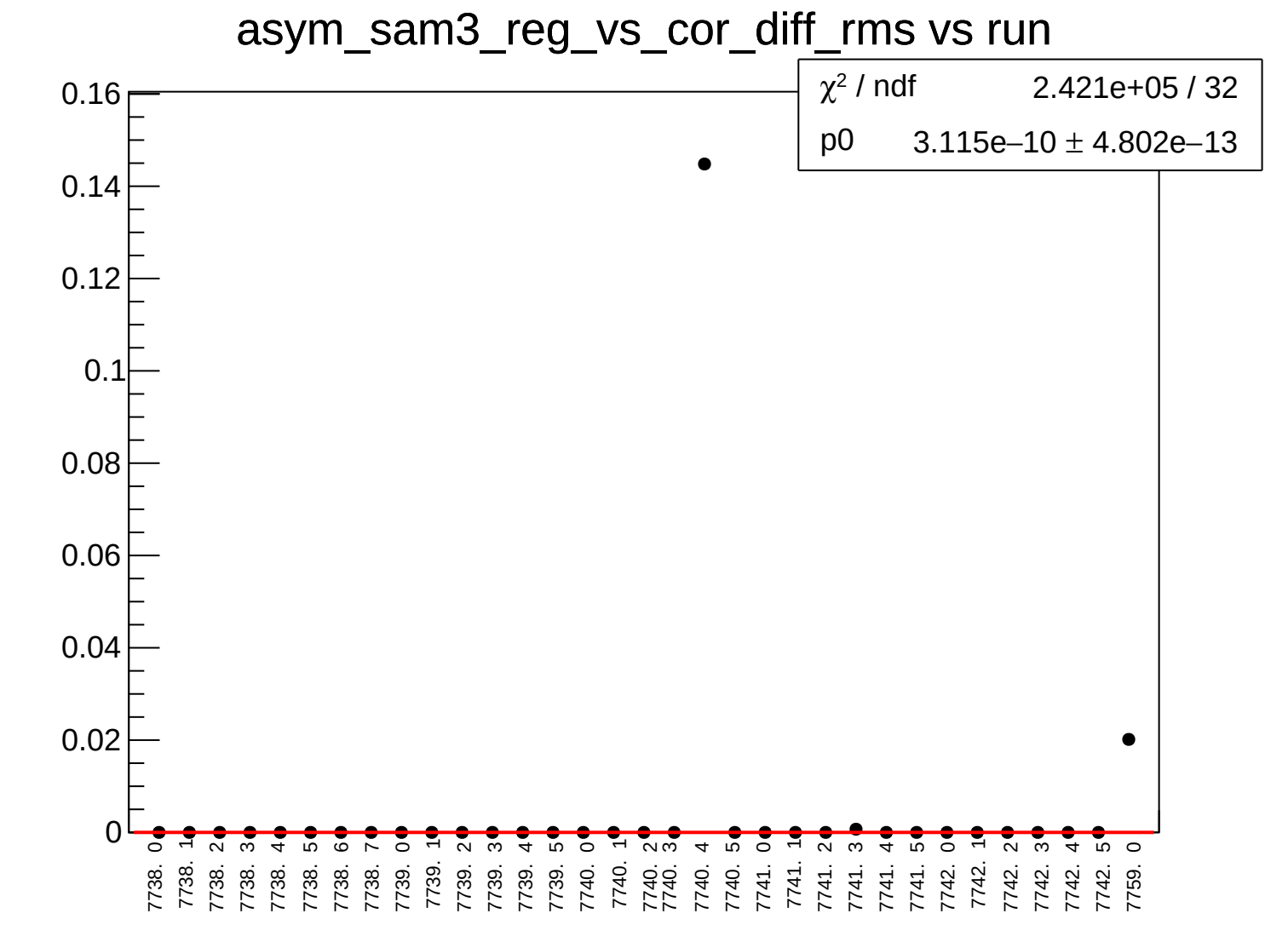

asym_sam3_mean vs run
×10^3
χ² / ndf 28.95 / 32
p0 795.5 ± 5832
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −101.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

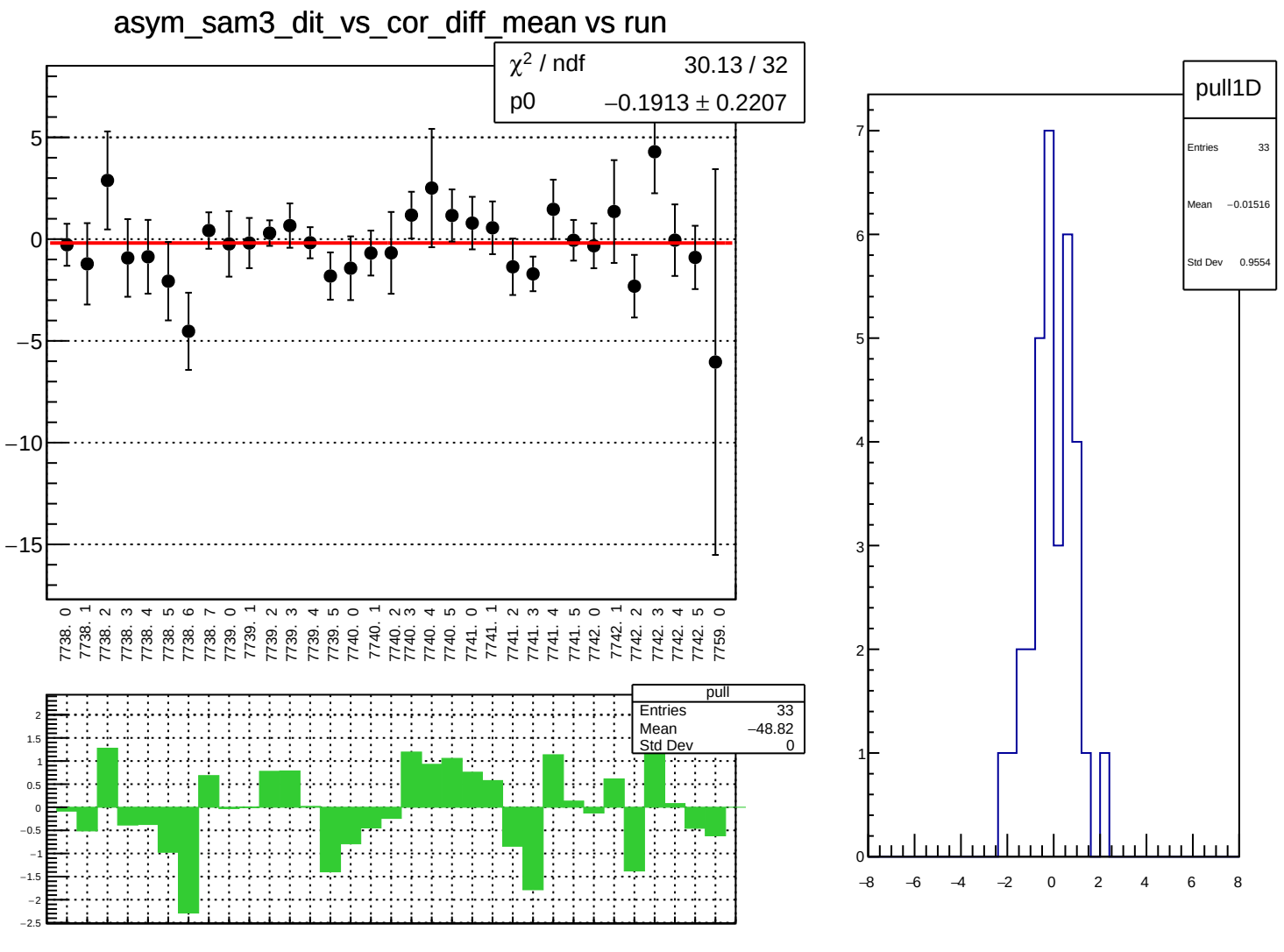

pull1D
Entries 33
Mean −0.02586
Std Dev 0.9363
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

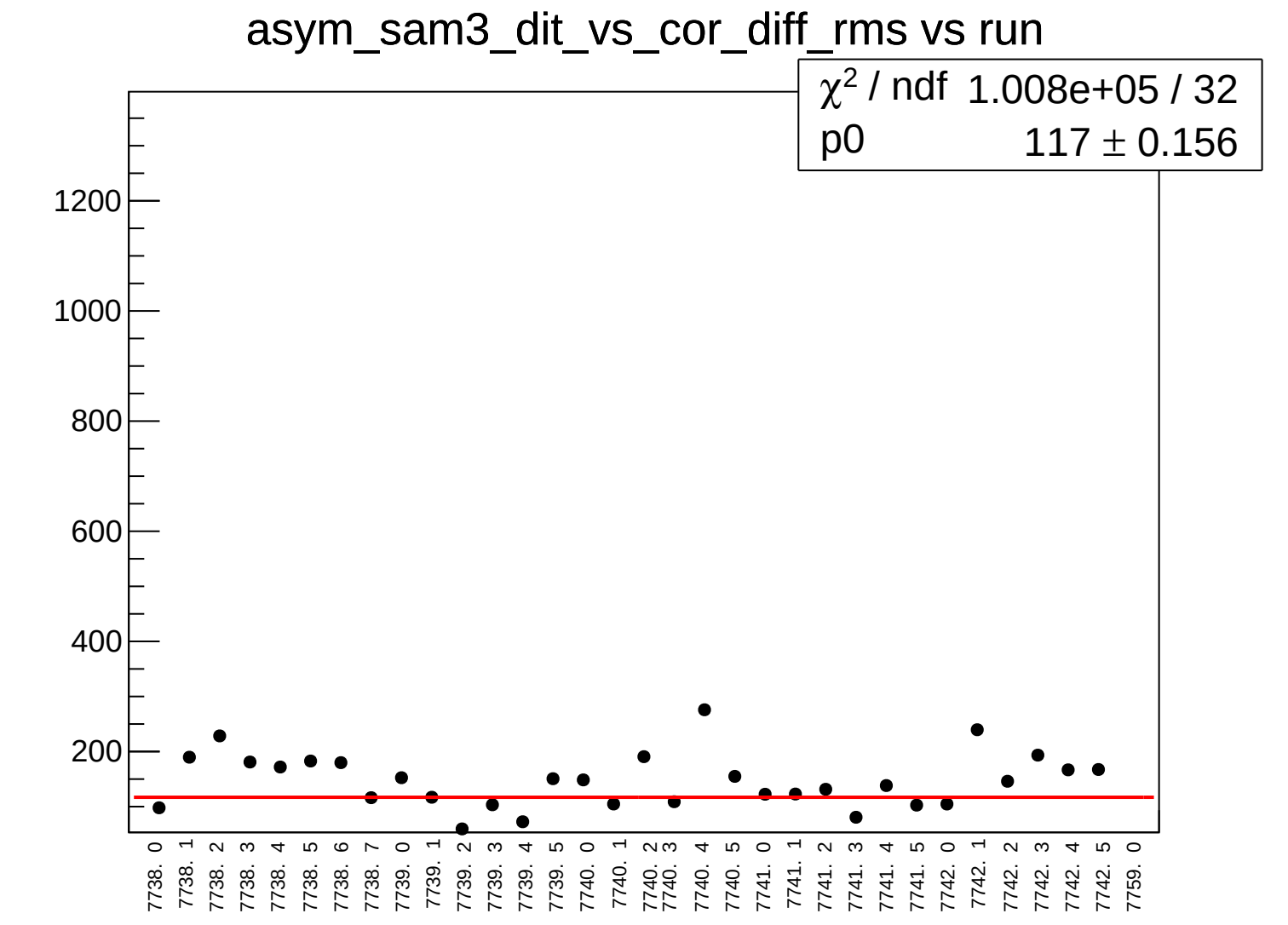

asym_sam3_rms vs run
χ² / ndf 2.298e+04 / 32
p0 3299 ± 4.124
4000
3500
3000
2500
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

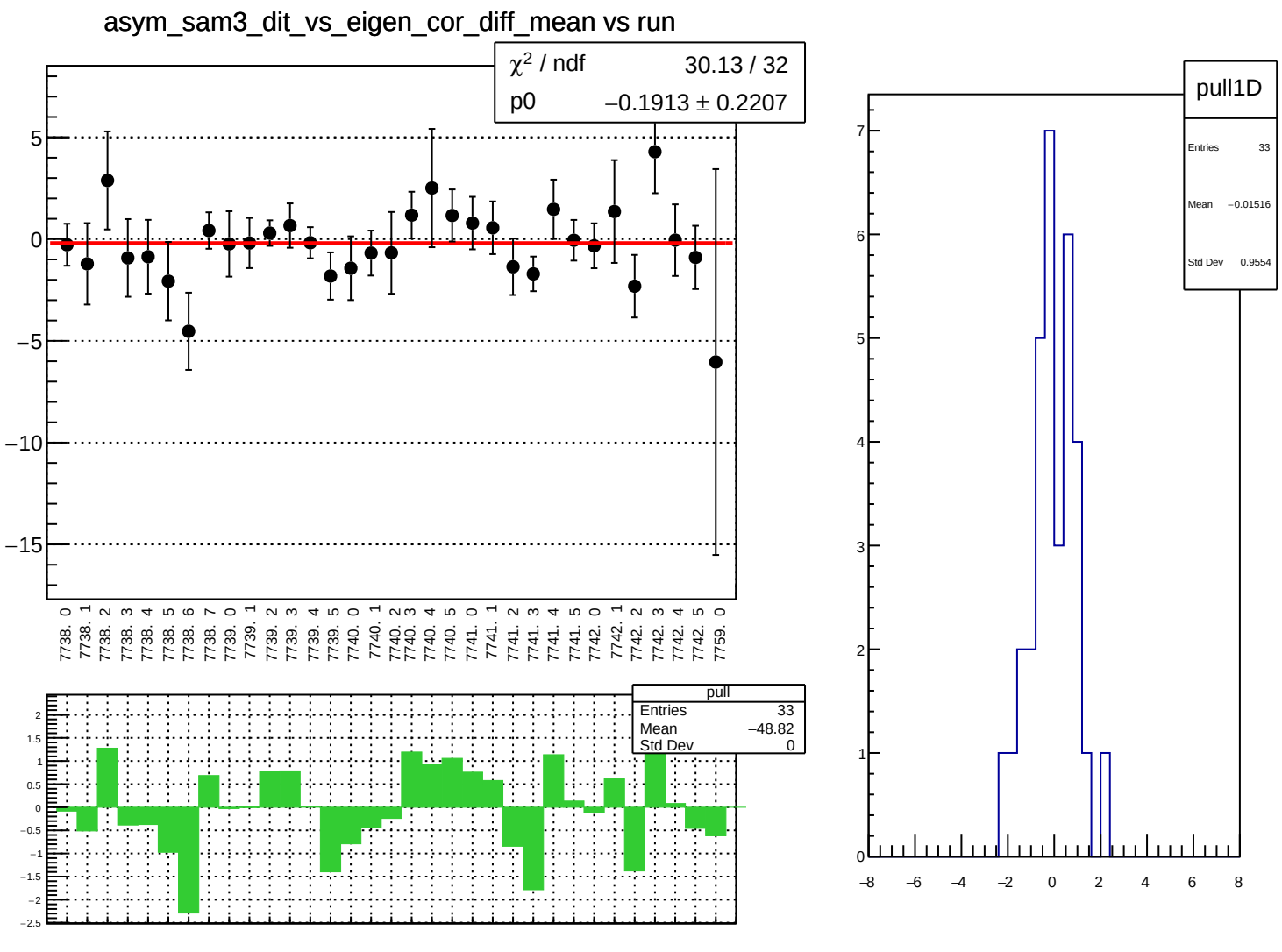

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 29.57 / 32
p0 −4.132e−13 ± 6.792e−13
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.471
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

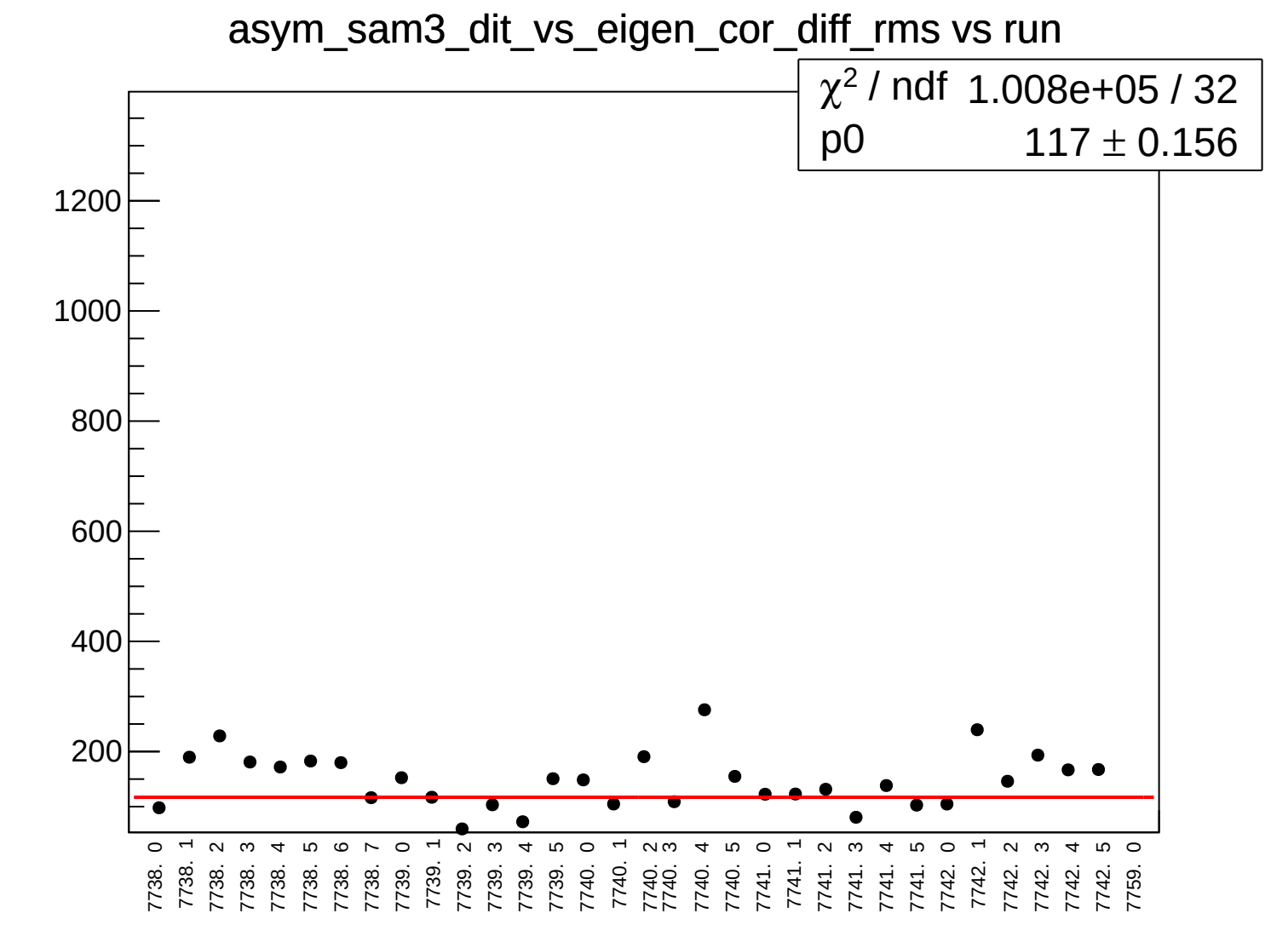

pull1D
Entries 33
Mean 0.09249
Std Dev 0.9421
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

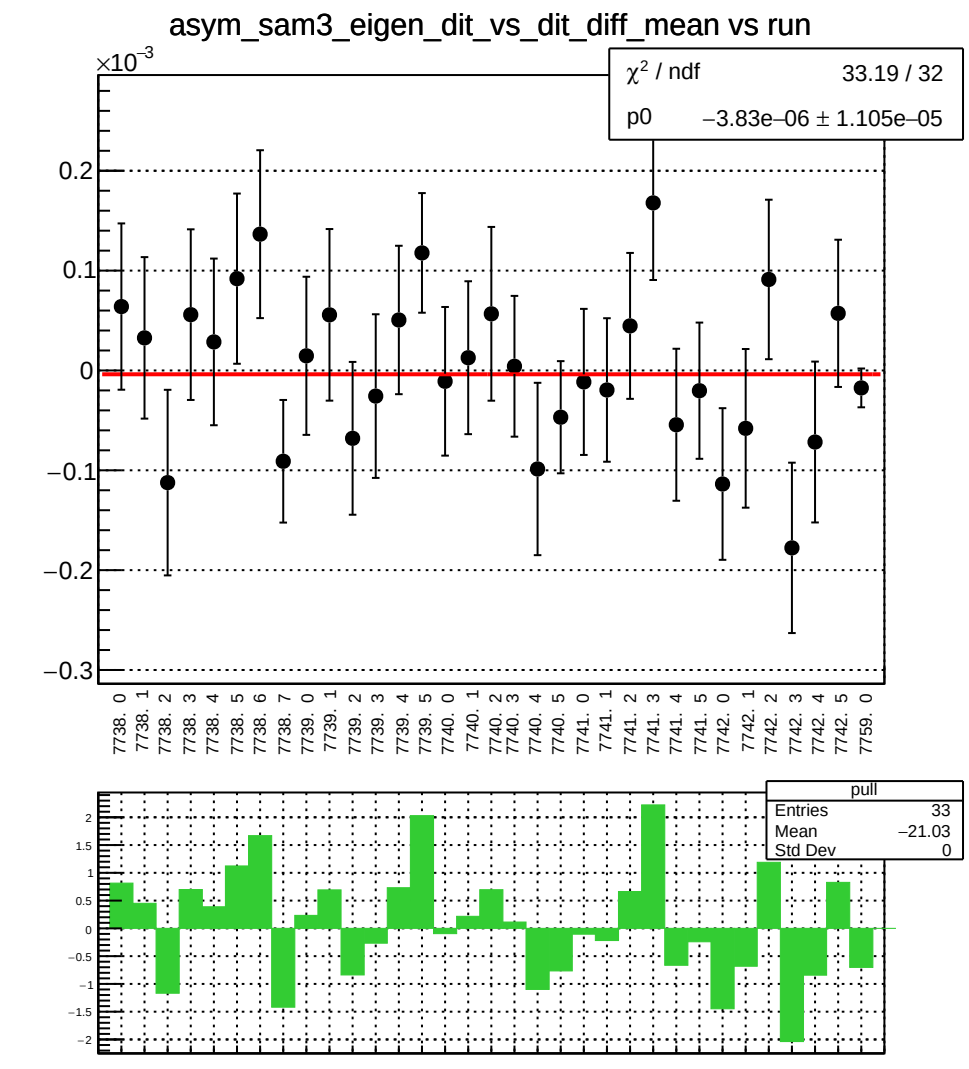

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 2.421e+05 / 32
p0 3.115e−10 ± 4.802e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

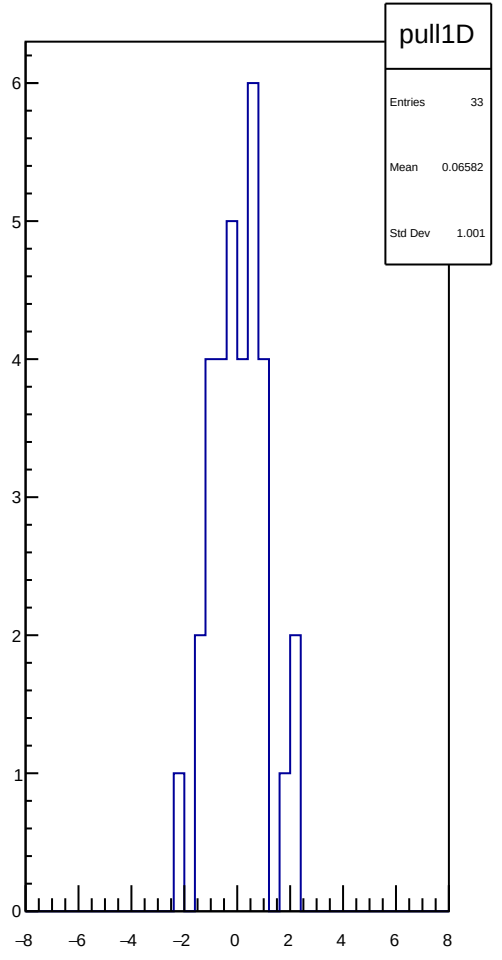

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 30.13 / 32
p0 −0.1913 ± 0.2207
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01516
Std Dev 0.9554
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

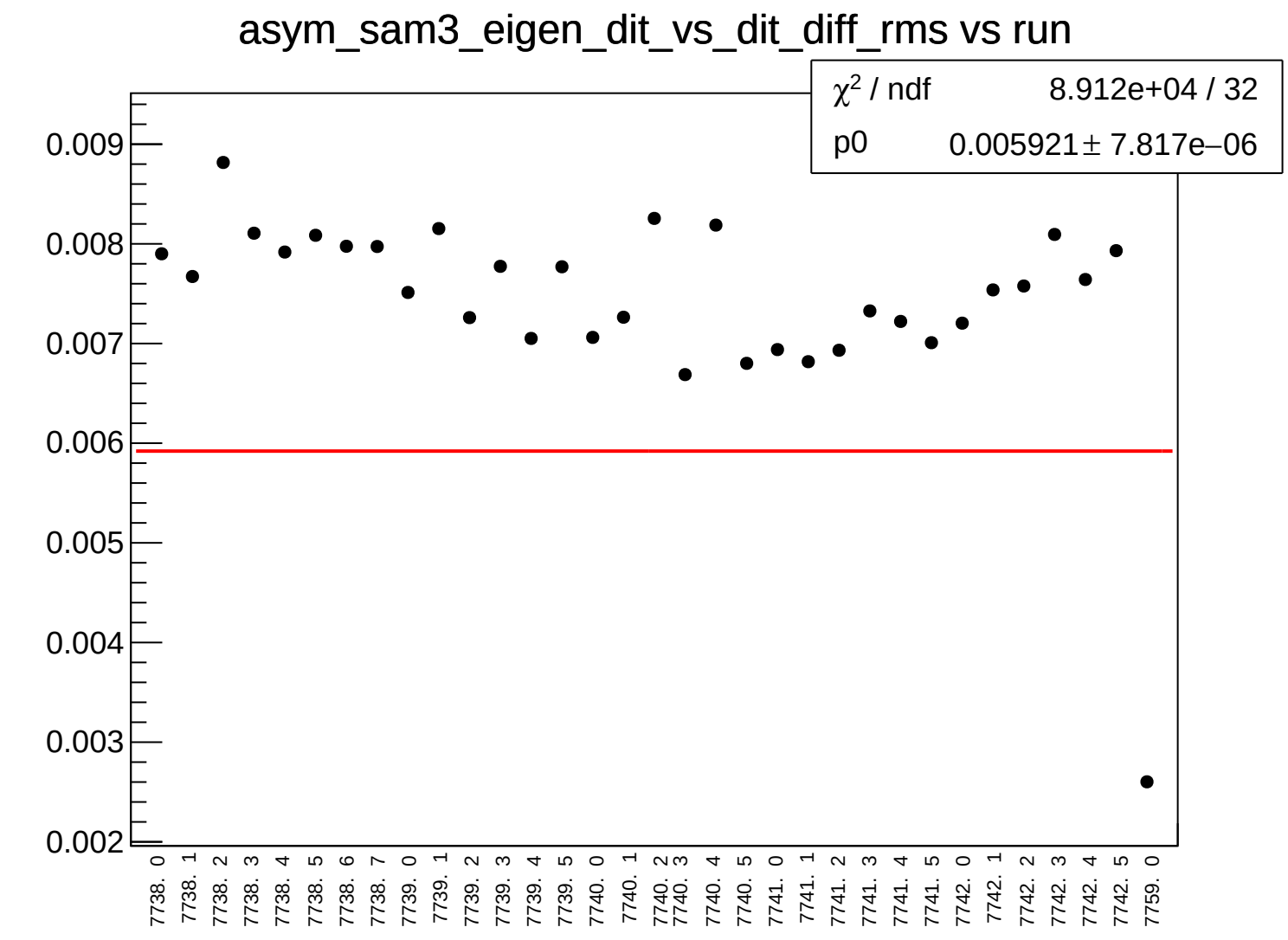

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 1.008e+05 / 32
p0 117 ± 0.156
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

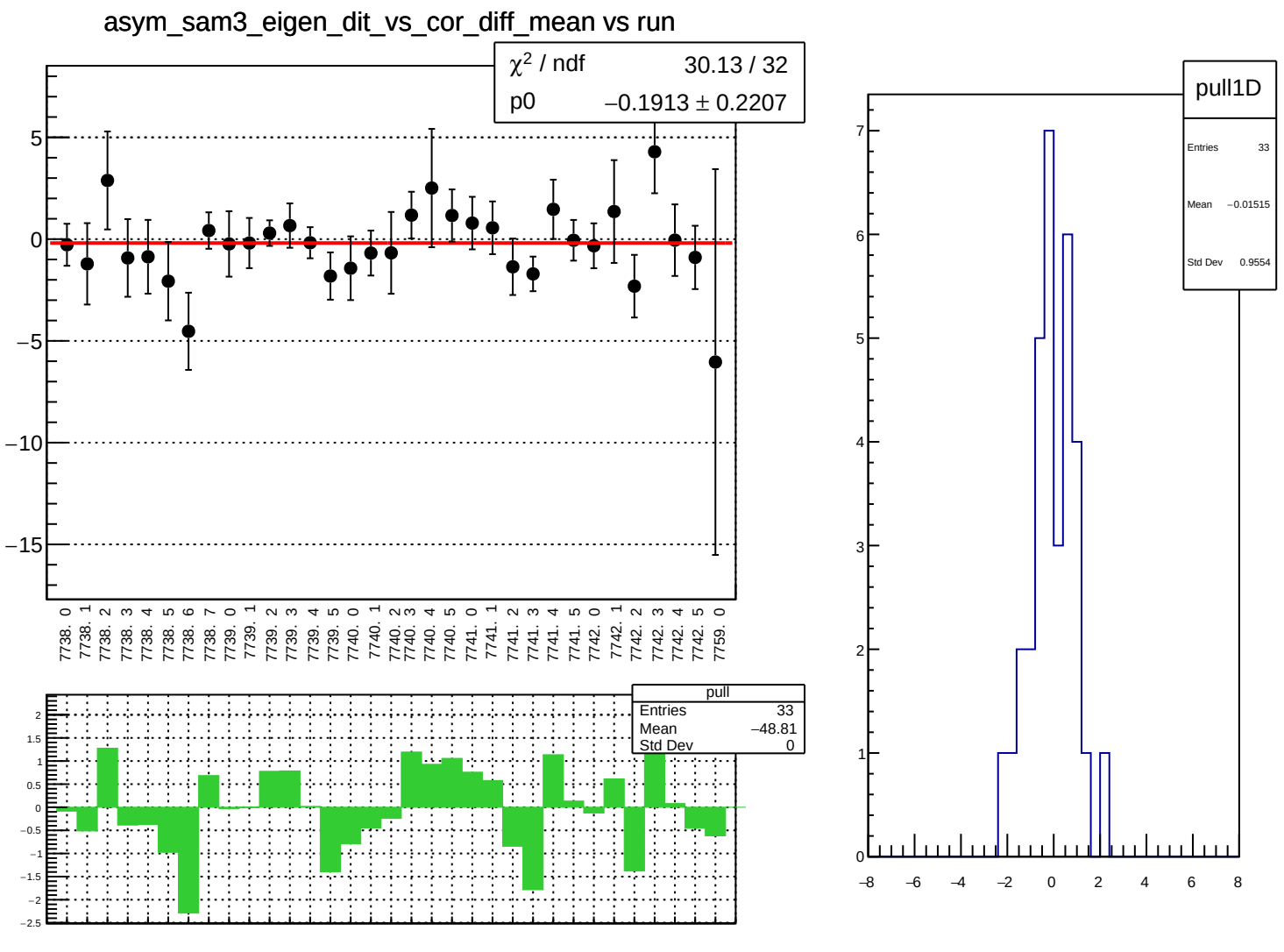

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.13 / 32
p0 −0.1913 ± 0.2207
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01516
Std Dev 0.9554
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

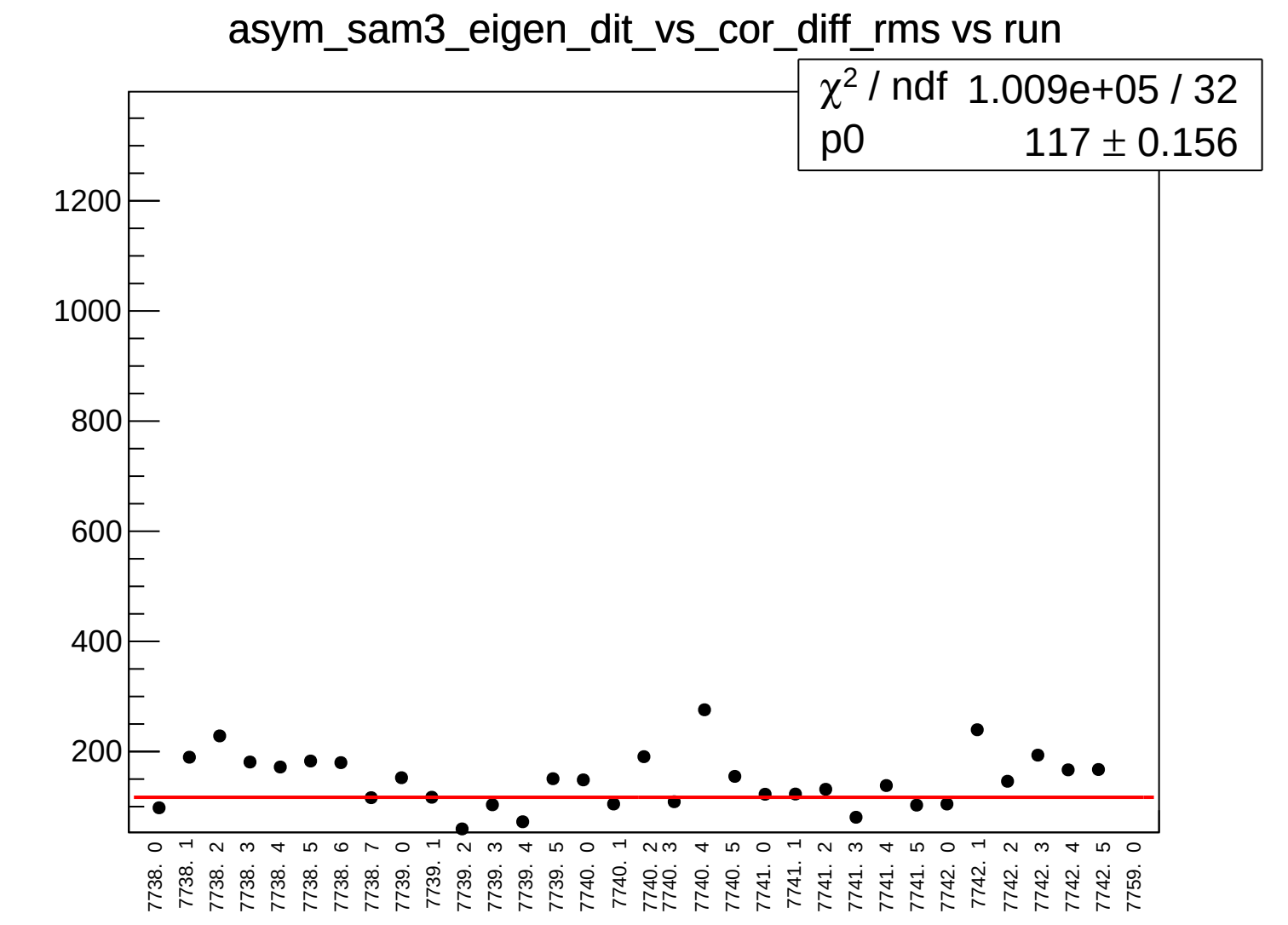

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.008e+05 / 32
p0 117 ± 0.156
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

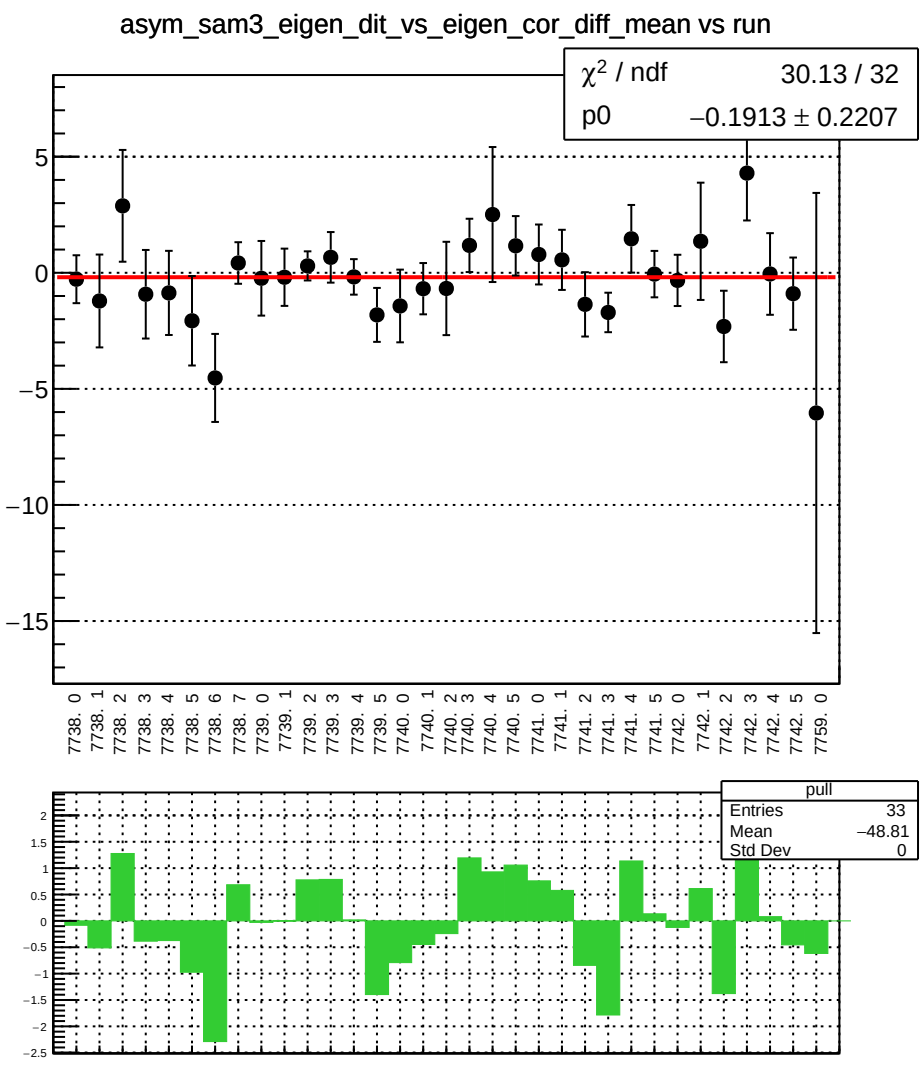

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.19 / 32
p0 −3.83e−06 ± 1.105e−05
0.2
0.1
0
−0.1
−0.2
−0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −21.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

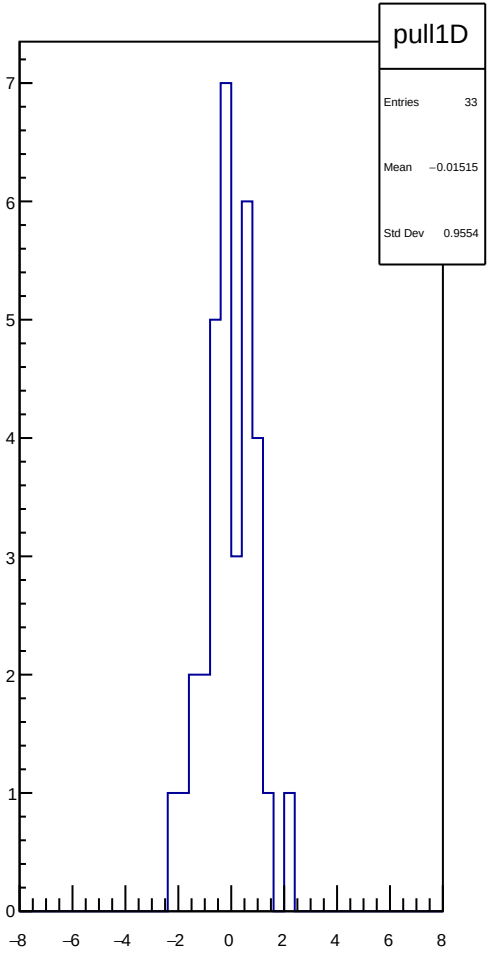

pull1D
Entries 33
Mean 0.06582
Std Dev 1.001
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

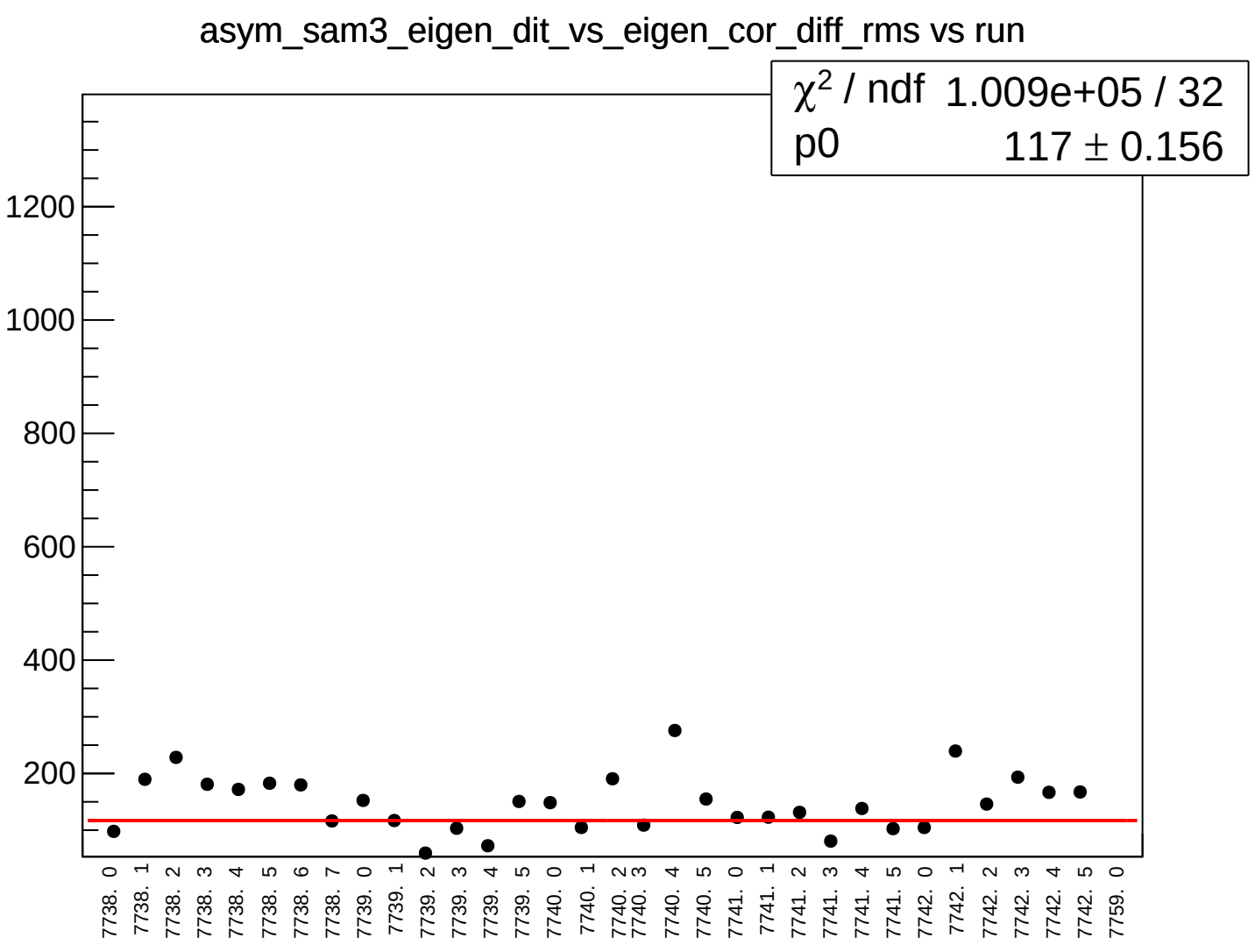

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.912e+04 / 32
p0 0.005921 ± 7.817e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

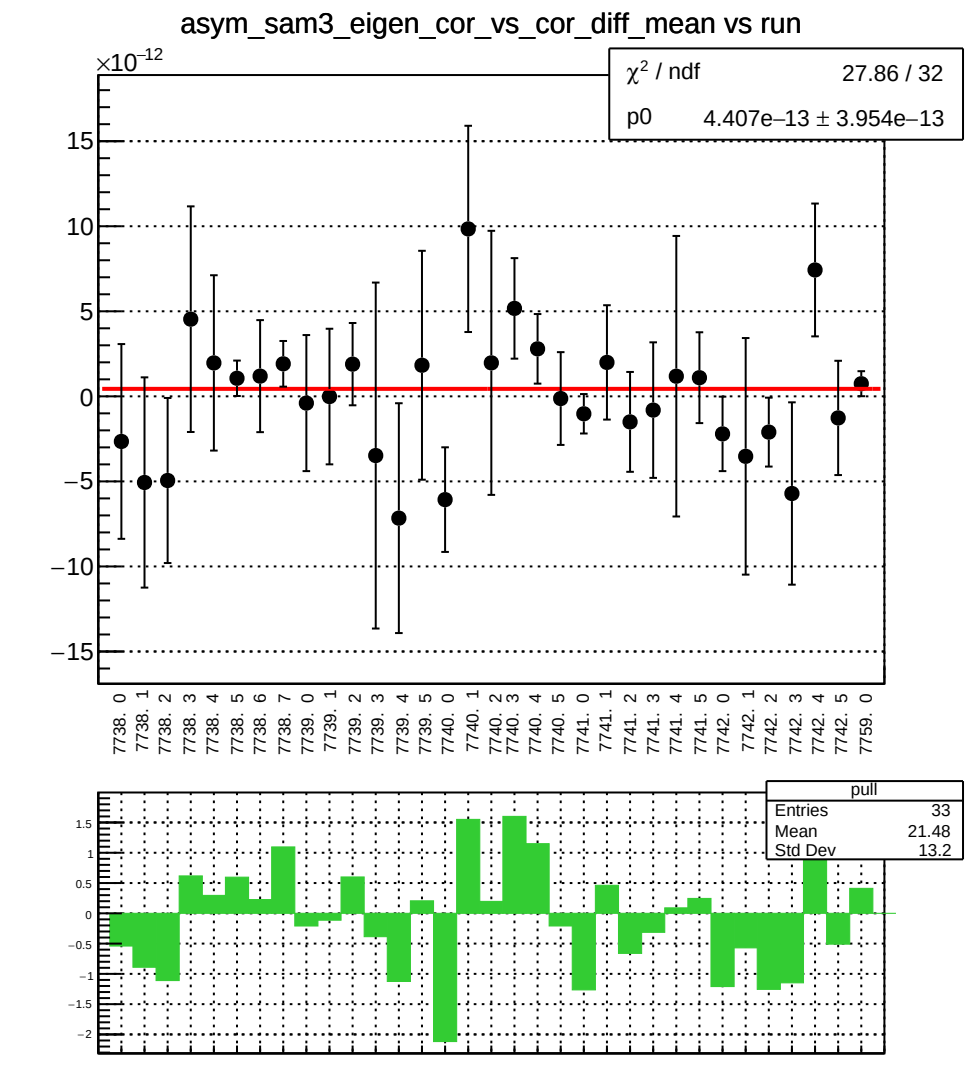

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.13 / 32
p0 −0.1913 ± 0.2207
pull
Entries 33
Mean −48.81
Std Dev 0
pull1D
Entries 33
Mean −0.01515
Std Dev 0.9554

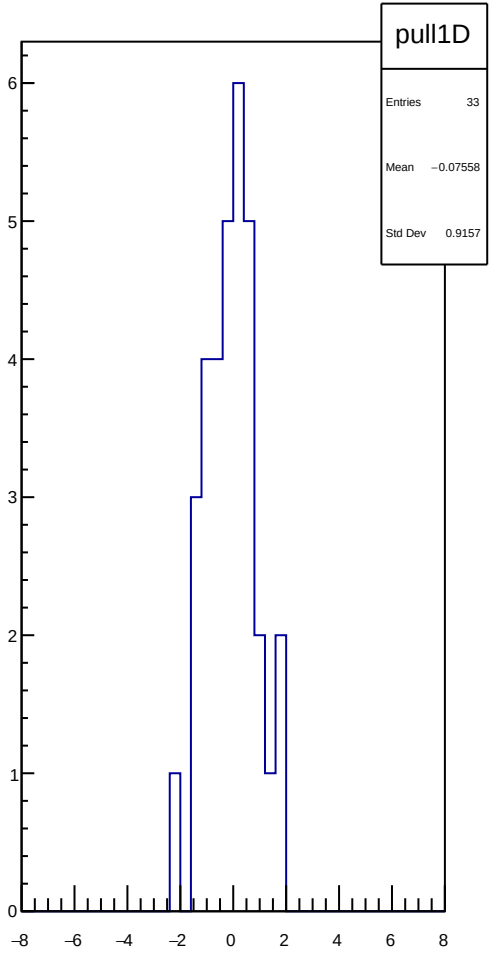

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.009e+05 / 32
p0 117 ± 0.156
1200
1000
800
600
400
200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

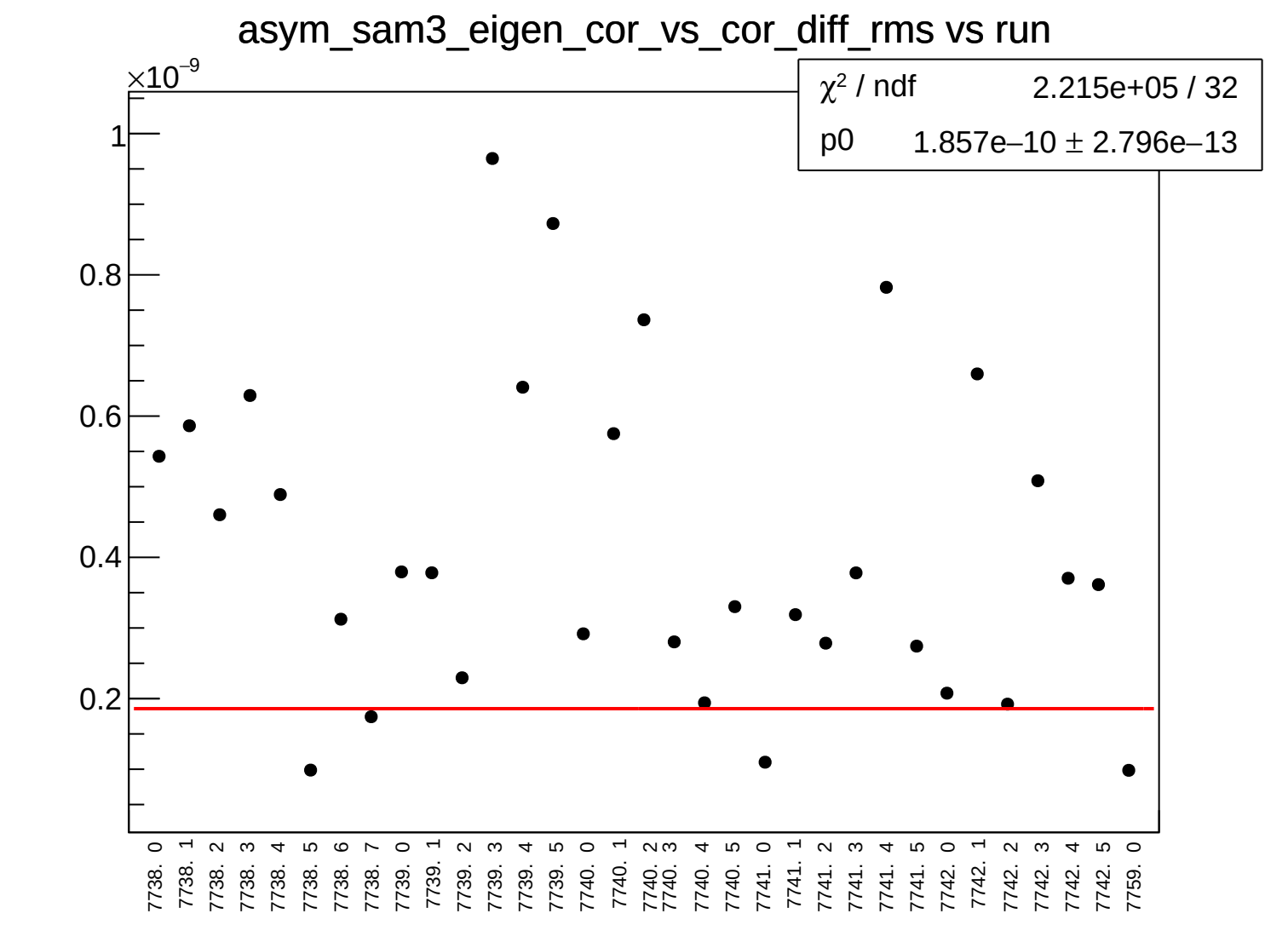

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.13 / 32
p0 −0.1913 ± 0.2207
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

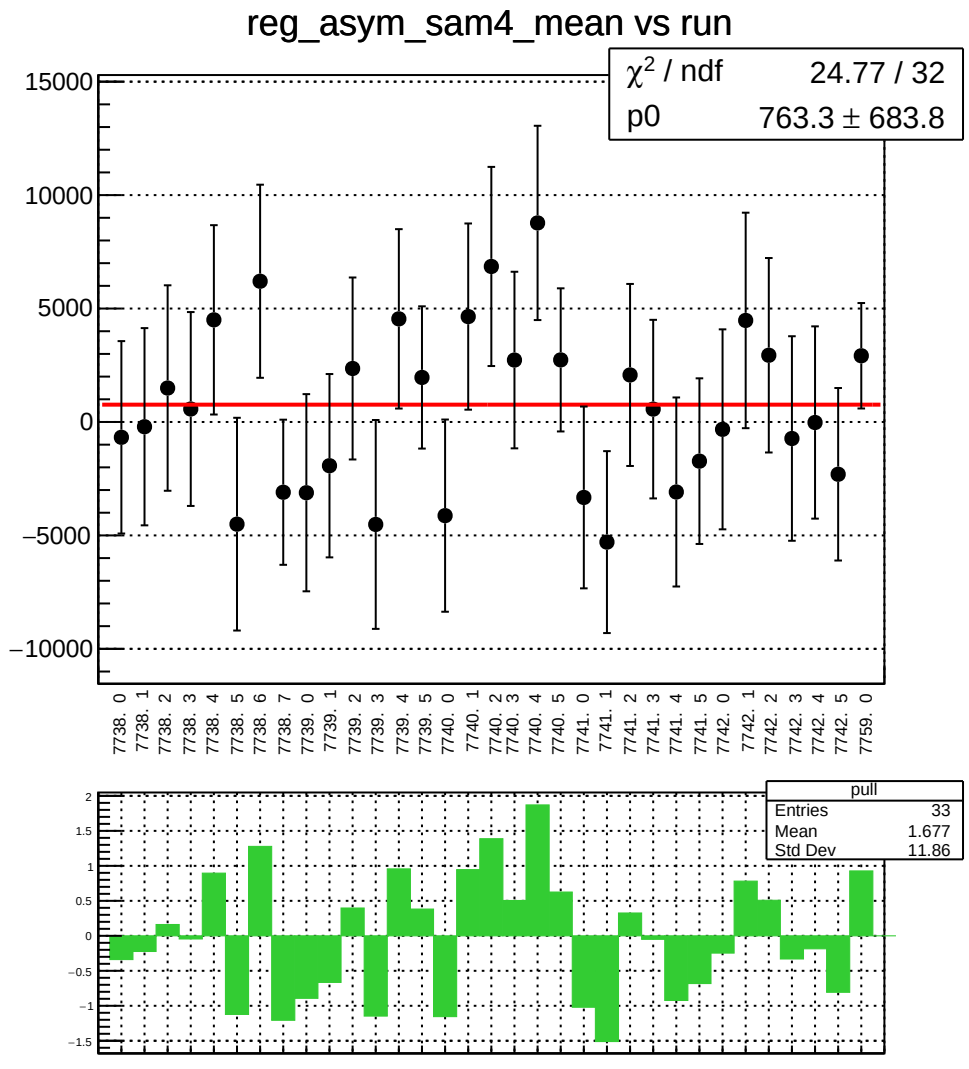

pull1D
Entries 33
Mean −0.01515
Std Dev 0.9554
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

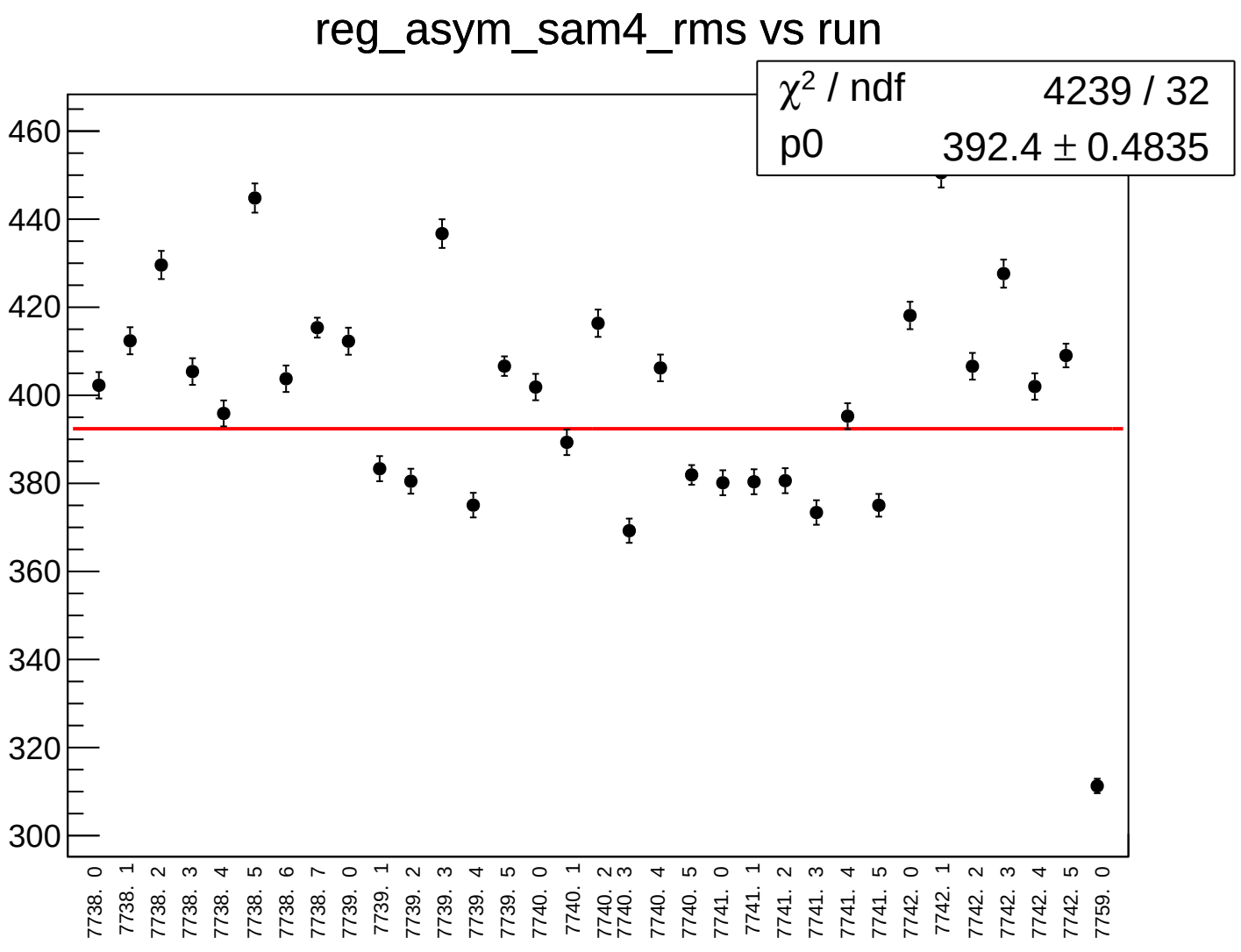

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.009e+05 / 32
p0 117 ± 0.156
1200
1000
800
600
400
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

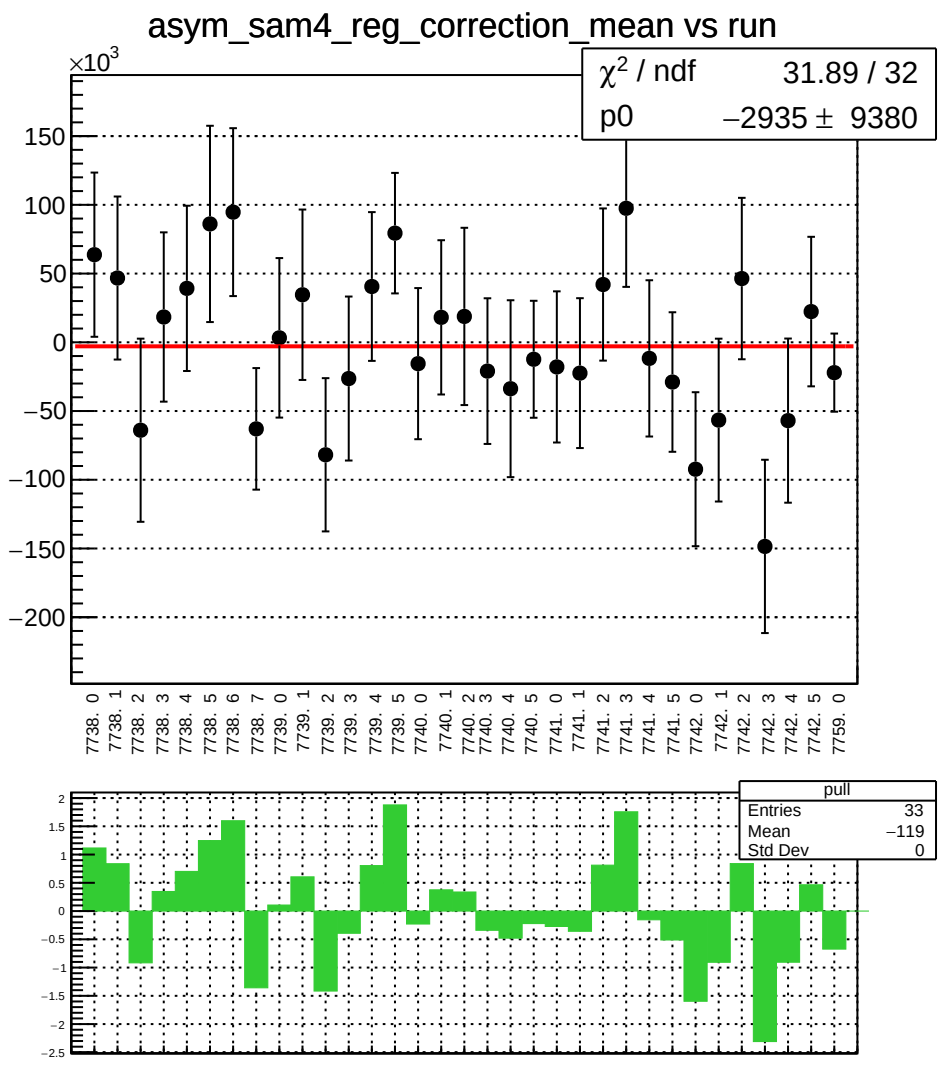

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 27.86 / 32
p0 4.407e−13 ± 3.954e−13
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 21.48
Std Dev 13.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

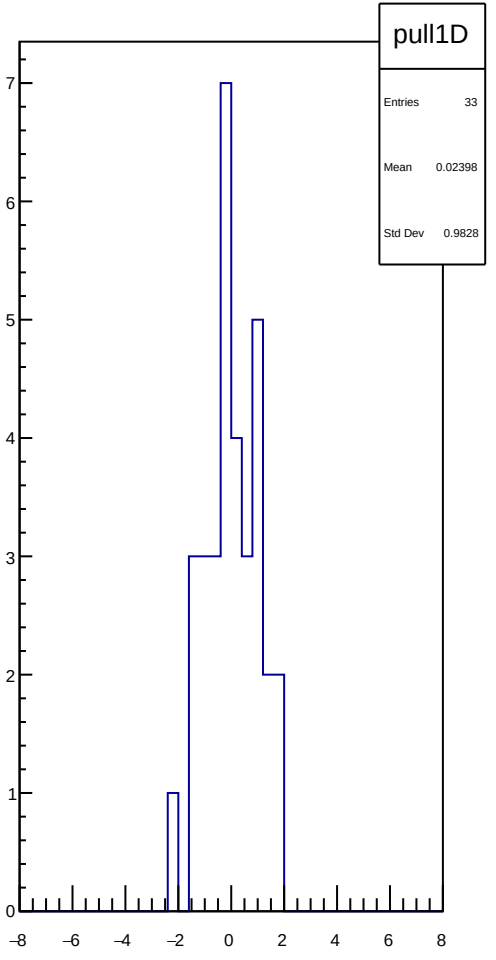

pull1D
Entries 33
Mean −0.07558
Std Dev 0.9157
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

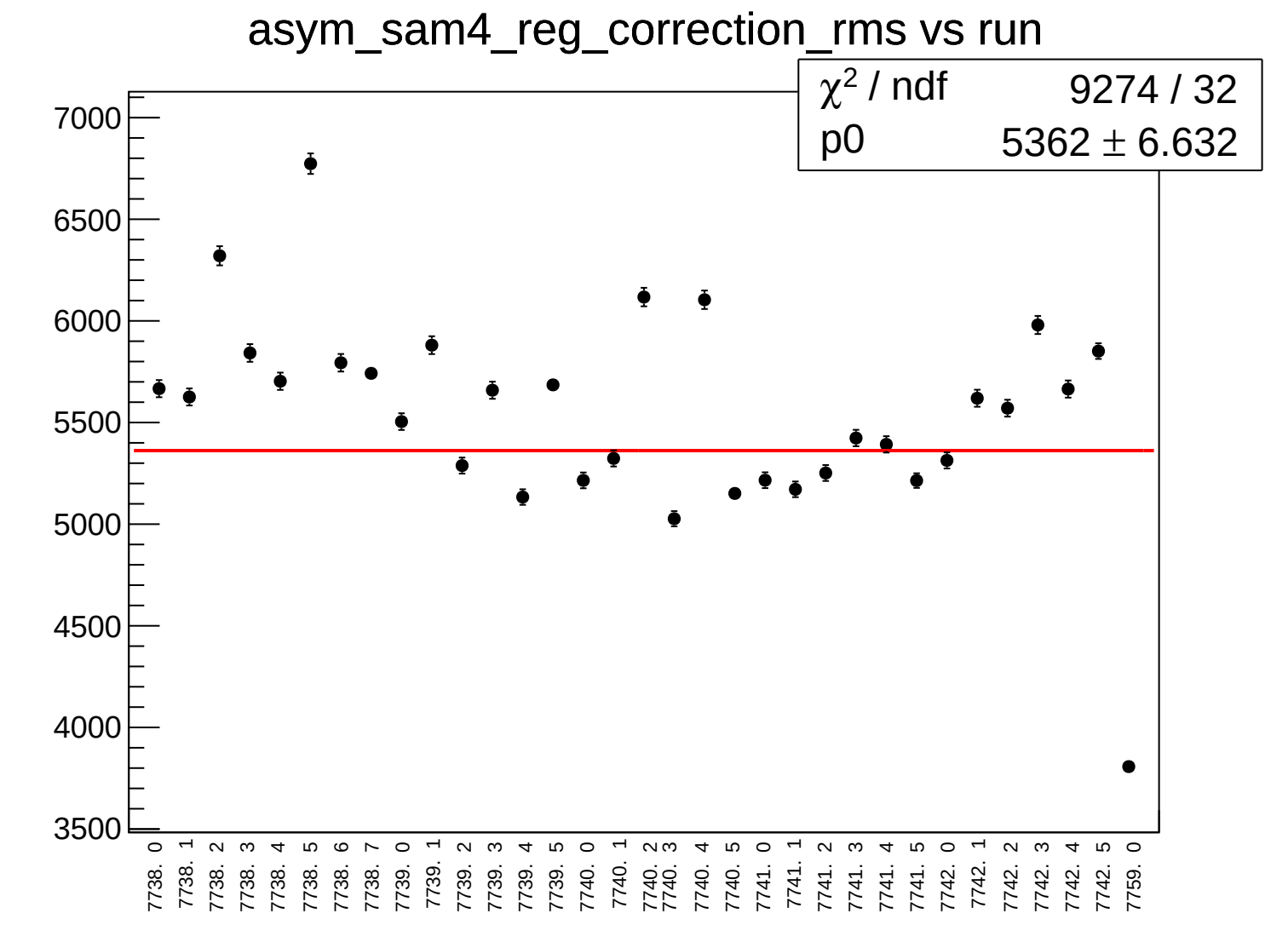

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.215e+05 / 32
p0 1.857e−10 ± 2.796e−13
1
0.8
0.6
0.4
0.2
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

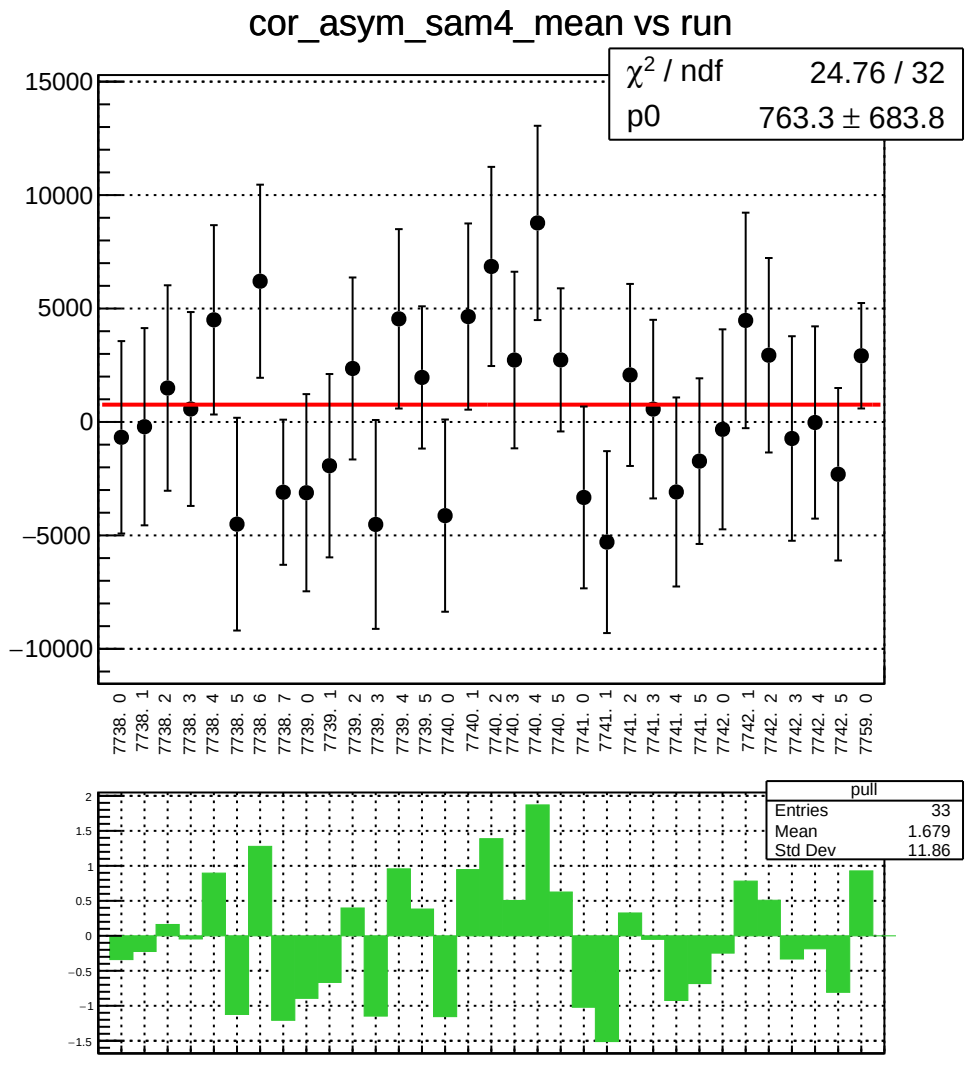

reg_asym_sam4_mean vs run
χ² / ndf 24.77 / 32
p0 763.3 ± 683.8
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.677
Std Dev 11.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01833
Std Dev 0.8661
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

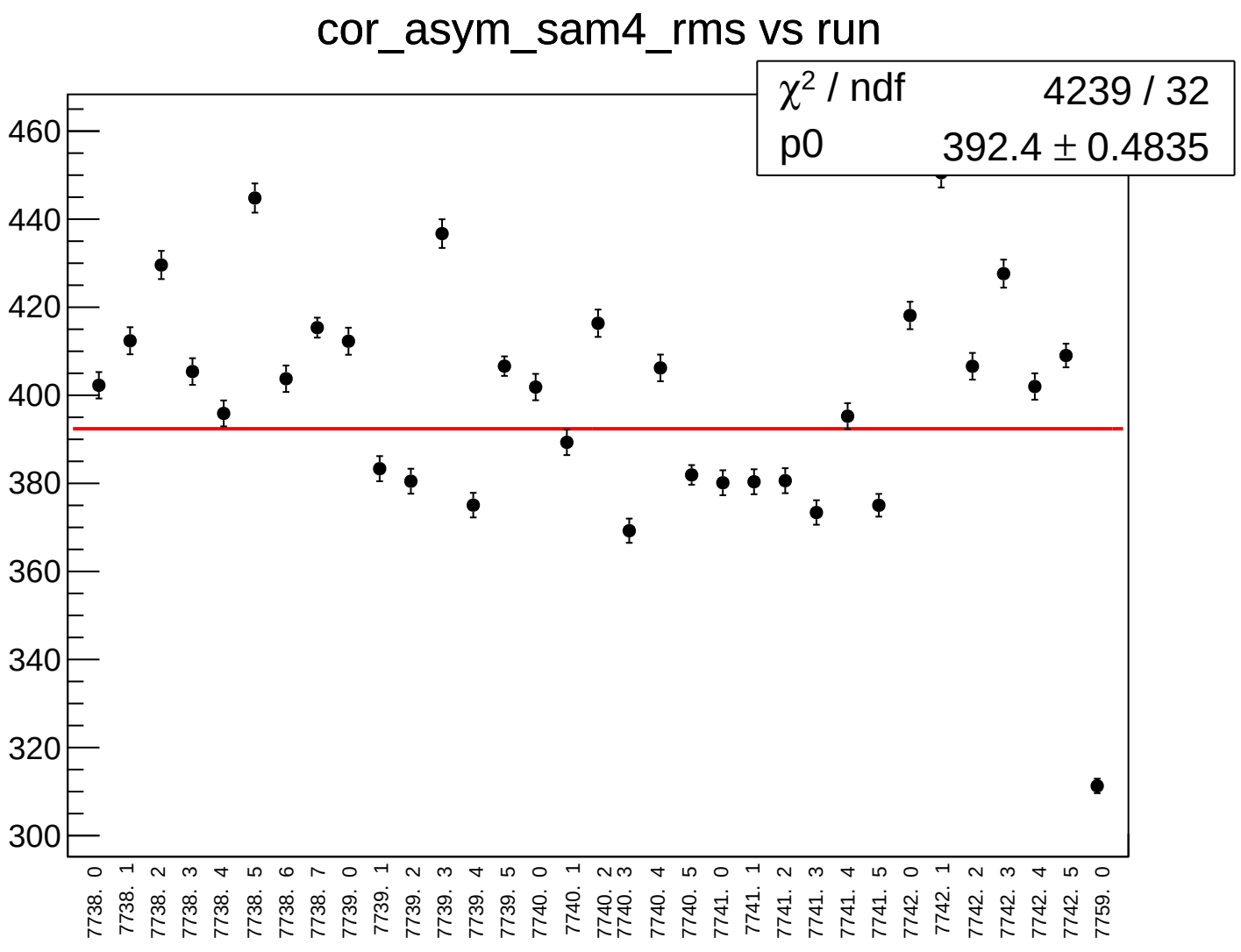

reg_asym_sam4_rms vs run
χ² / ndf 4239 / 32
p0 392.4 ± 0.4835
460
440
420
400
380
360
340
320
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

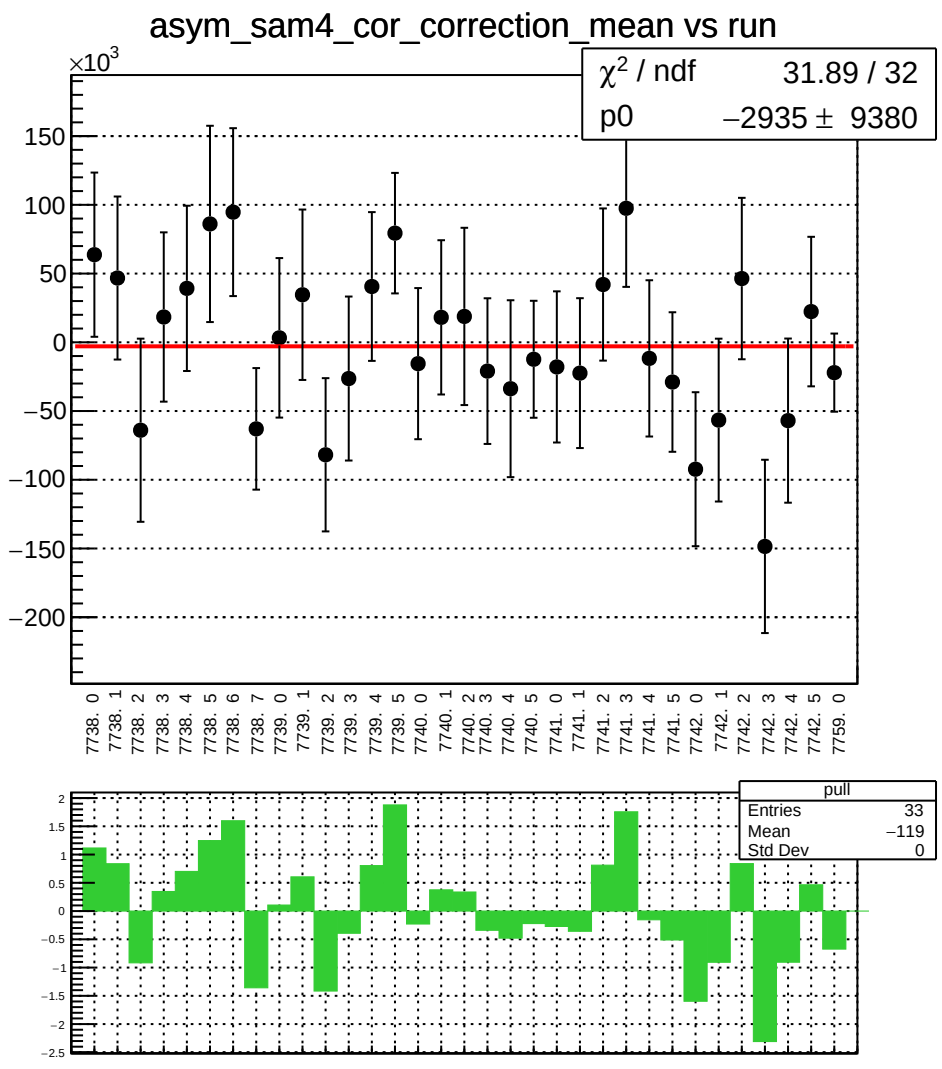

asym_sam4_reg_correction_mean vs run
×10^3
χ^2 / ndf 31.89 / 32
p0 −2935 ± 9380
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −119
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

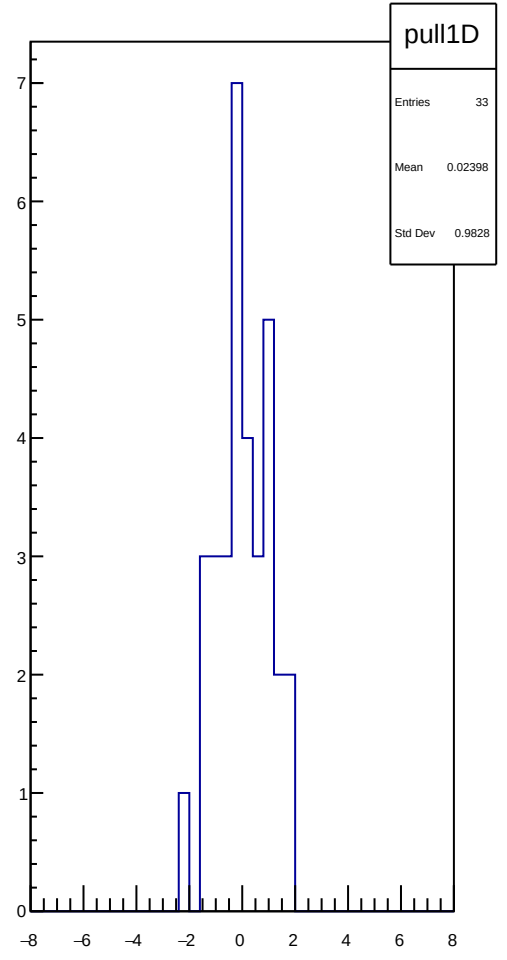

pull1D
Entries 33
Mean 0.02398
Std Dev 0.9828
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

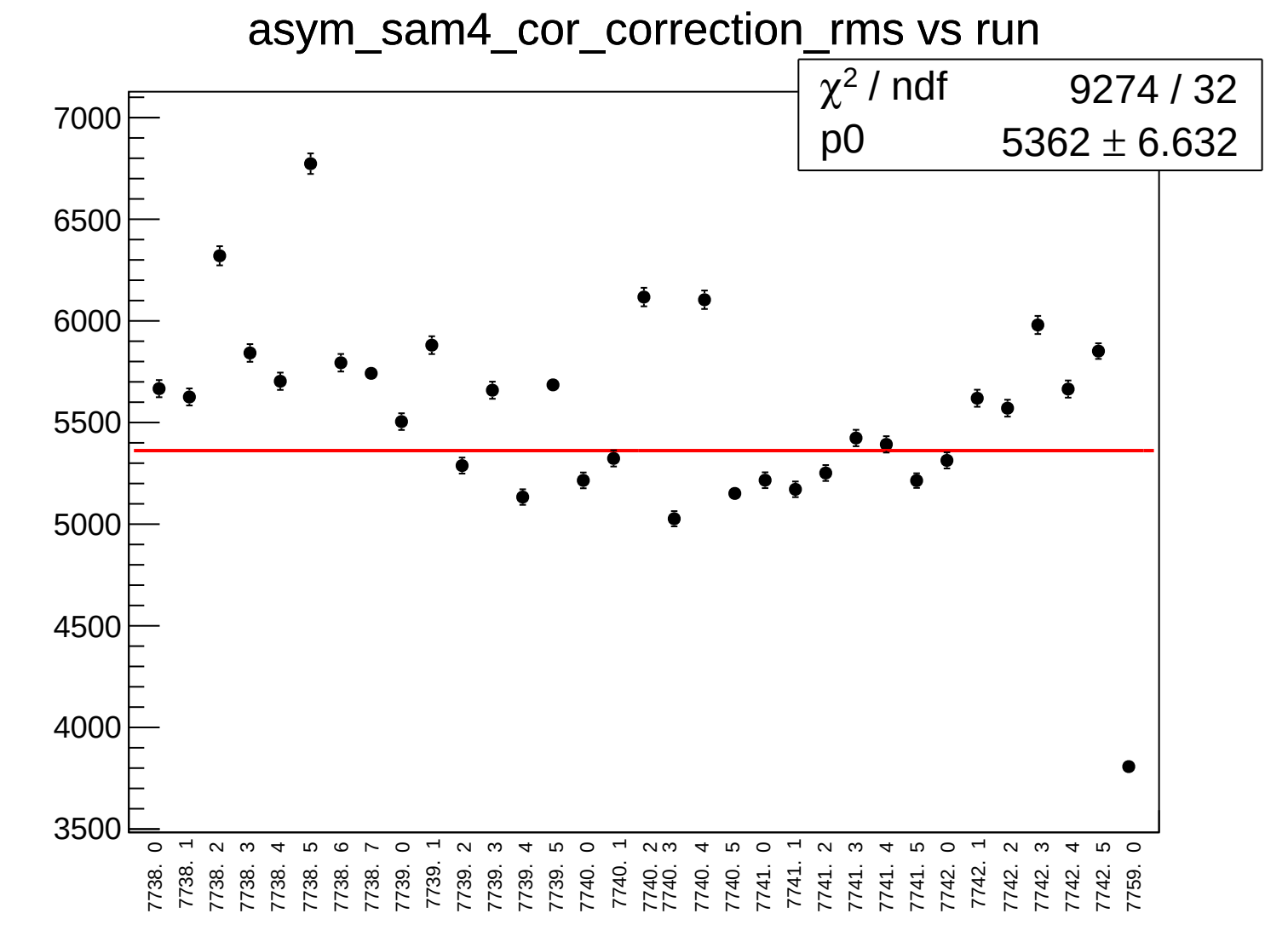

asym_sam4_reg_correction_rms vs run
χ² / ndf 9274 / 32
p0 5362 ± 6.632
7000
6500
6000
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

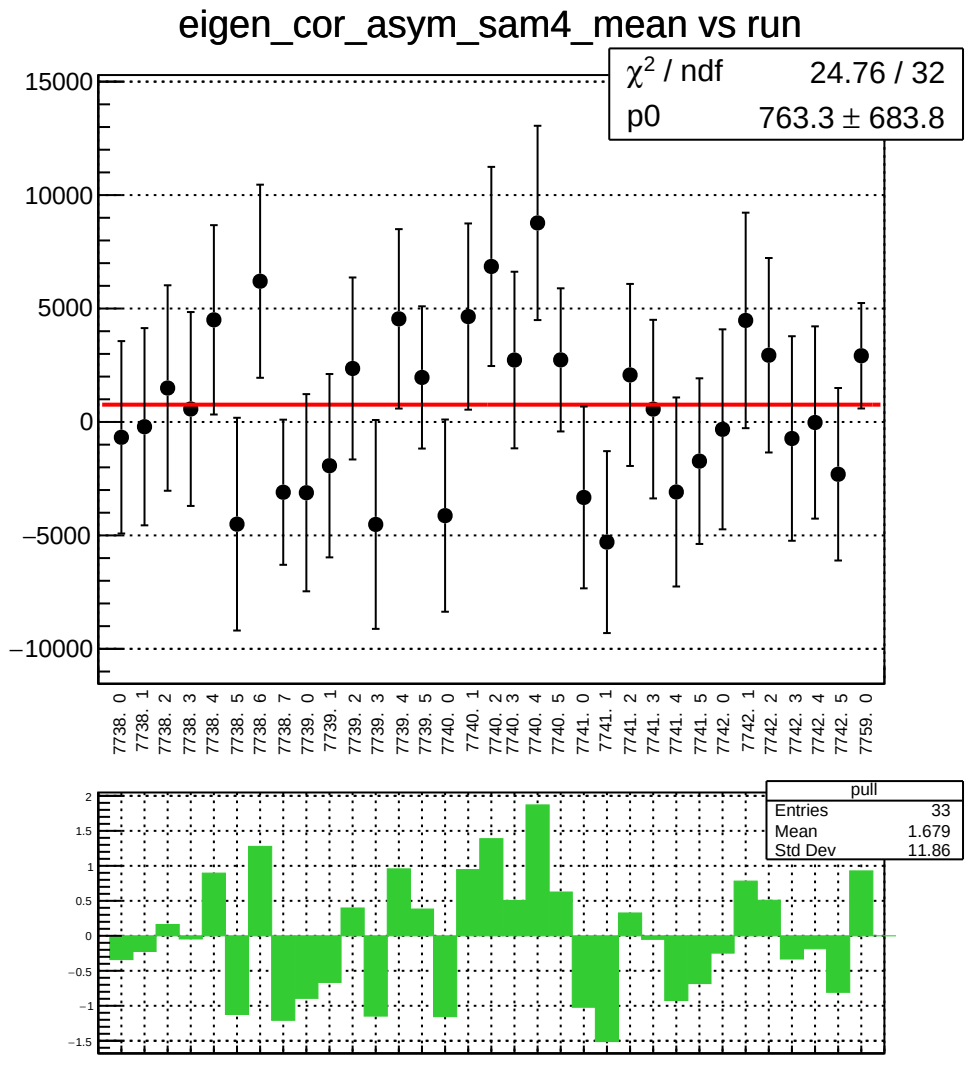

cor_asym_sam4_mean vs run
χ² / ndf 24.76 / 32
p0 763.3 ± 683.8
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.679
Std Dev 11.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01833
Std Dev 0.8661
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

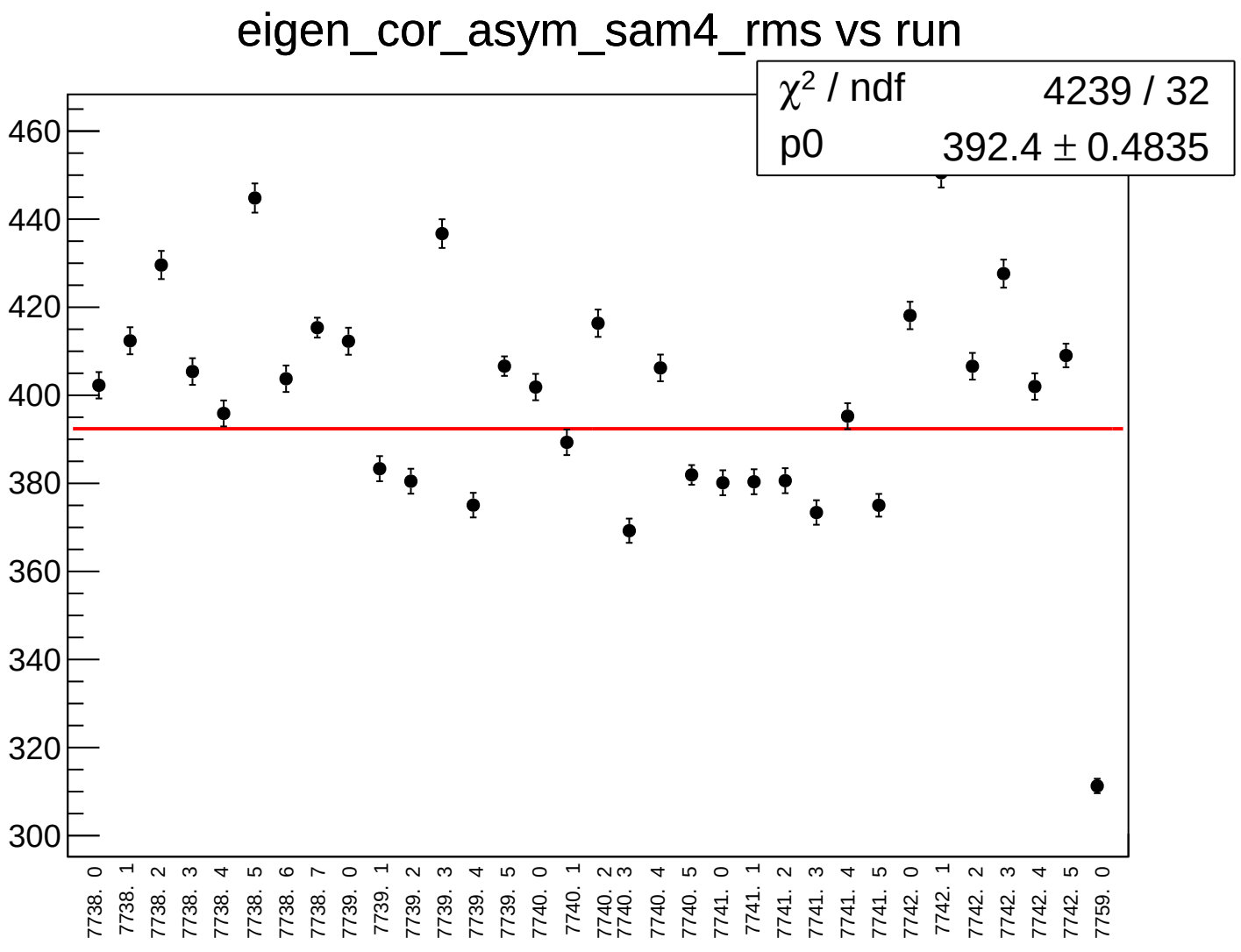

cor_asym_sam4_rms vs run
χ² / ndf 4239 / 32
p0 392.4 ± 0.4835
460
440
420
400
380
360
340
320
300
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

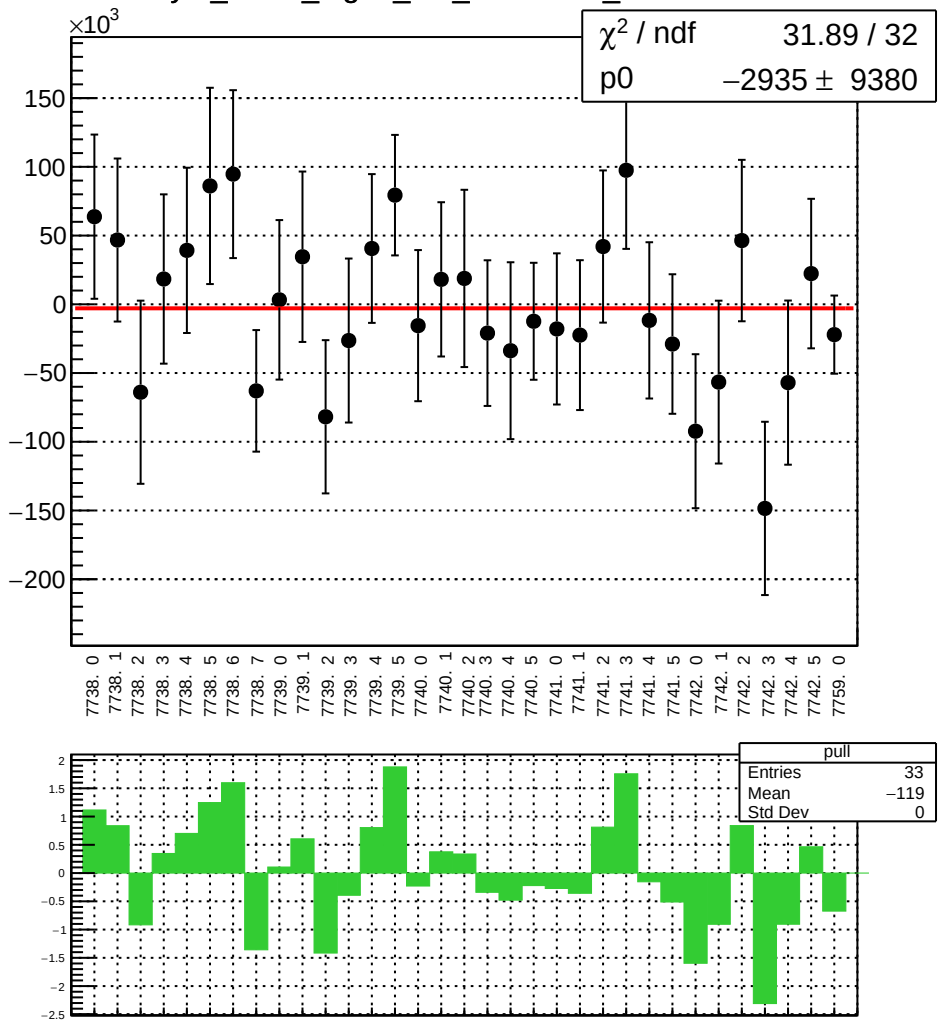

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 31.89 / 32
p0 −2935 ± 9380
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −119
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

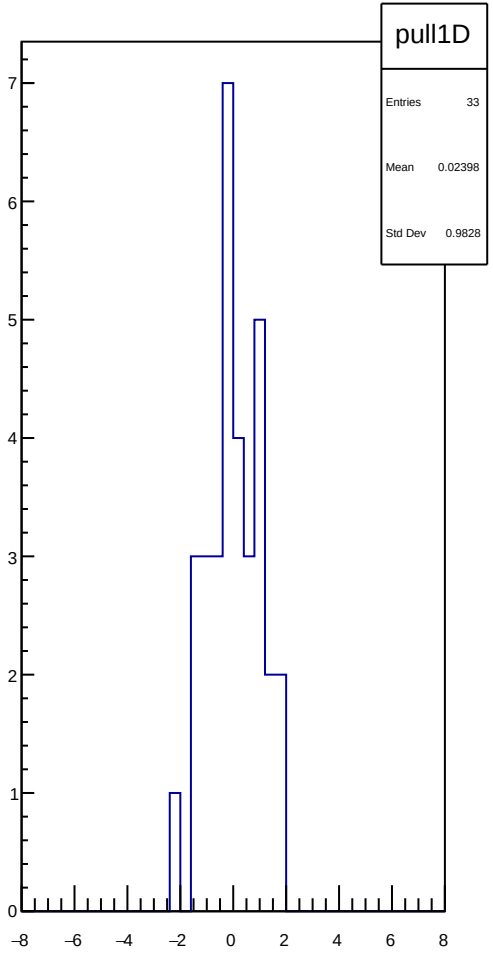

pull1D
Entries 33
Mean 0.02398
Std Dev 0.9828
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

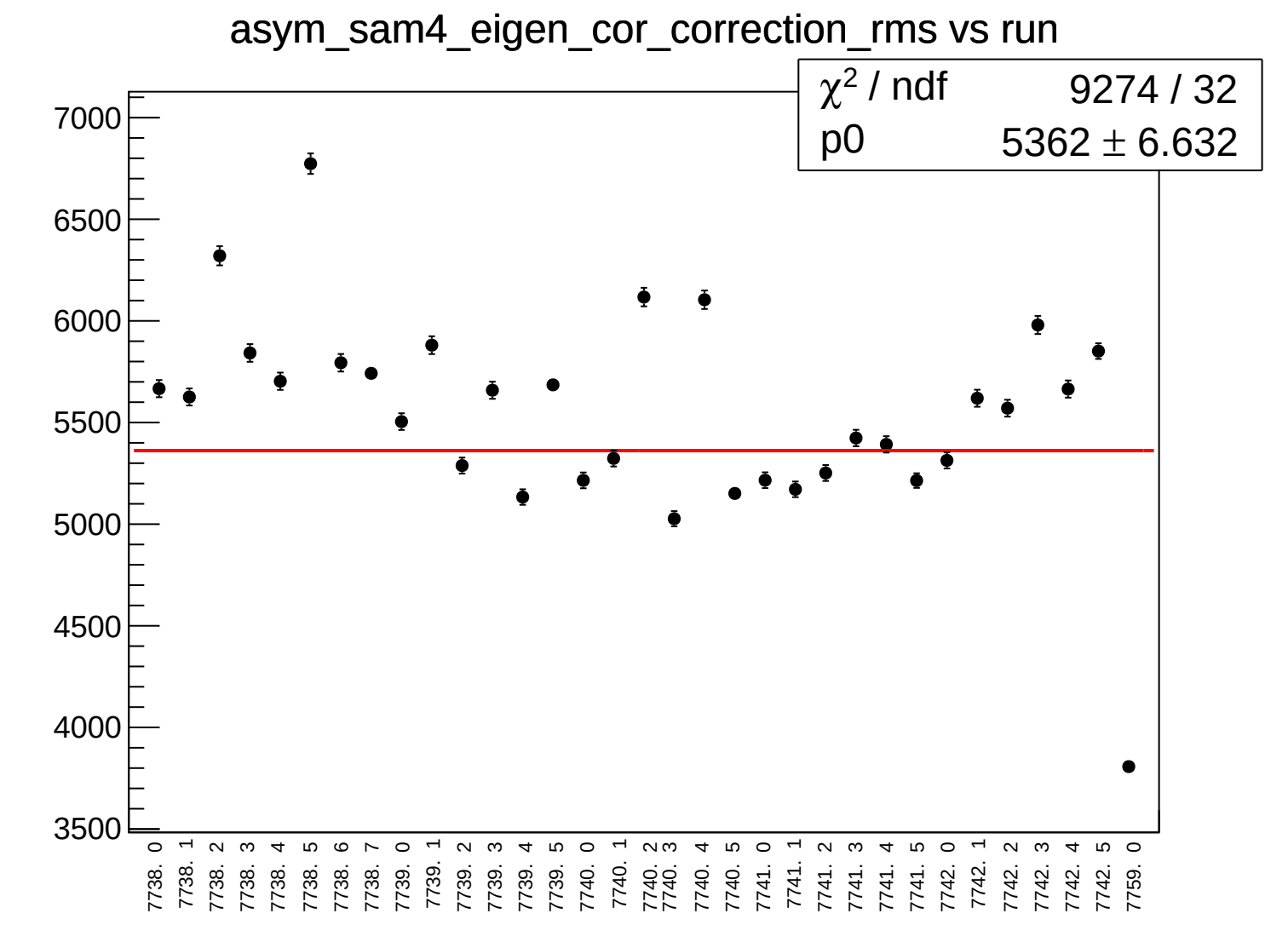

asym_sam4_cor_correction_rms vs run
χ² / ndf 9274 / 32
p0 5362 ± 6.632
7000
6500
6000
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

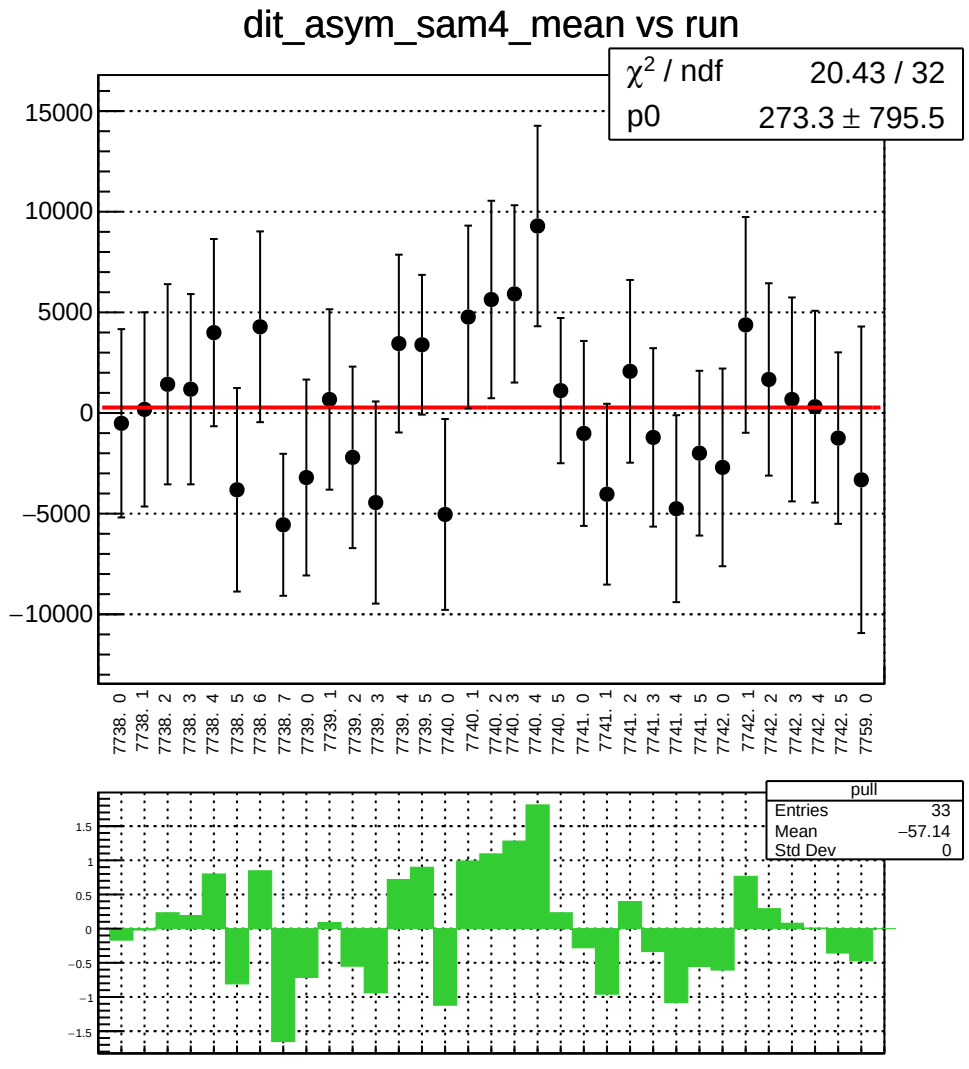

eigen_cor_asym_sam4_mean vs run
χ² / ndf 24.76 / 32
p0 763.3 ± 683.8
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.679
Std Dev 11.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01833
Std Dev 0.8661
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

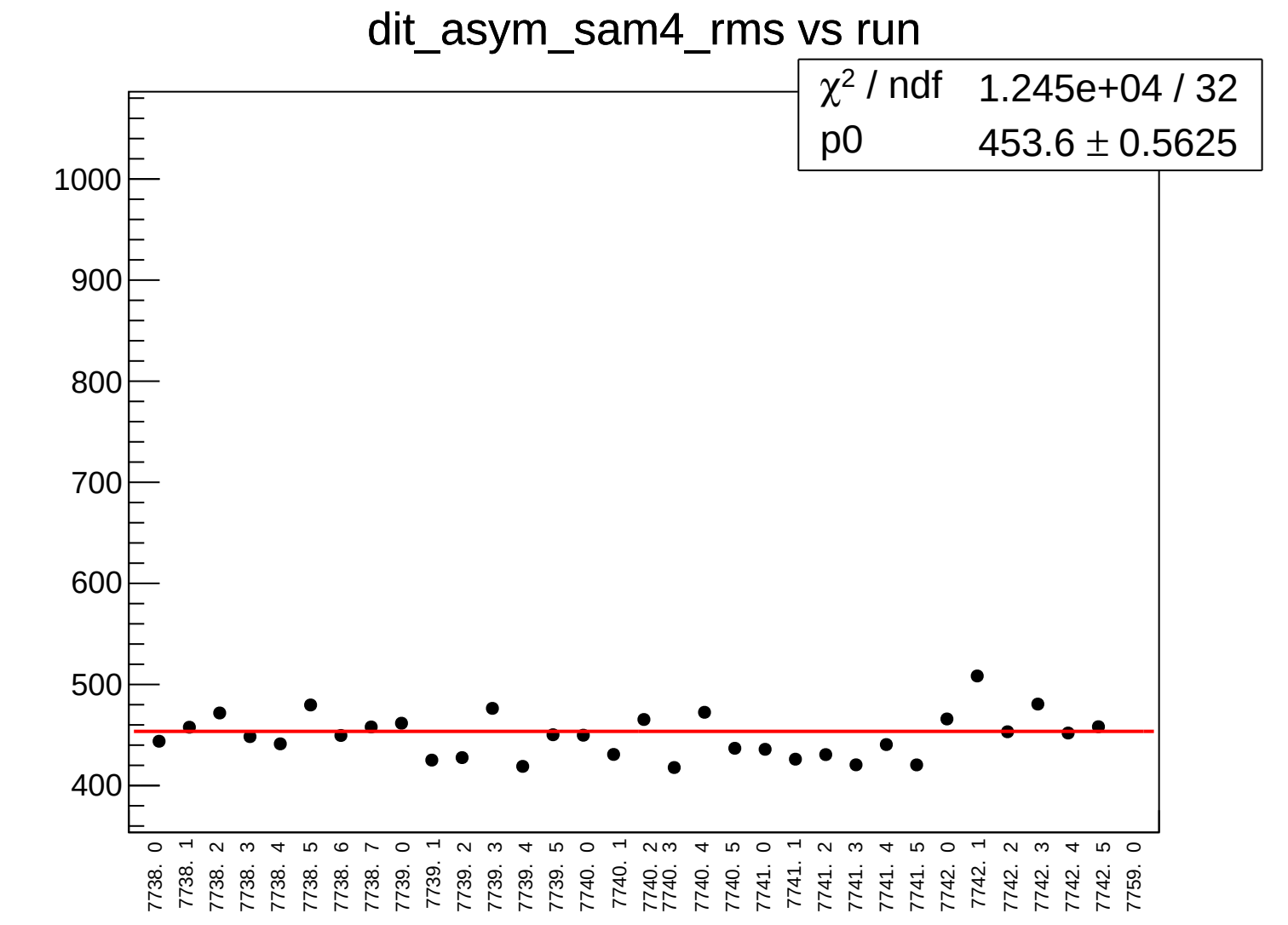

eigen_cor_asym_sam4_rms vs run
χ² / ndf 4239 / 32
p0 392.4 ± 0.4835
460
440
420
400
380
360
340
320
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

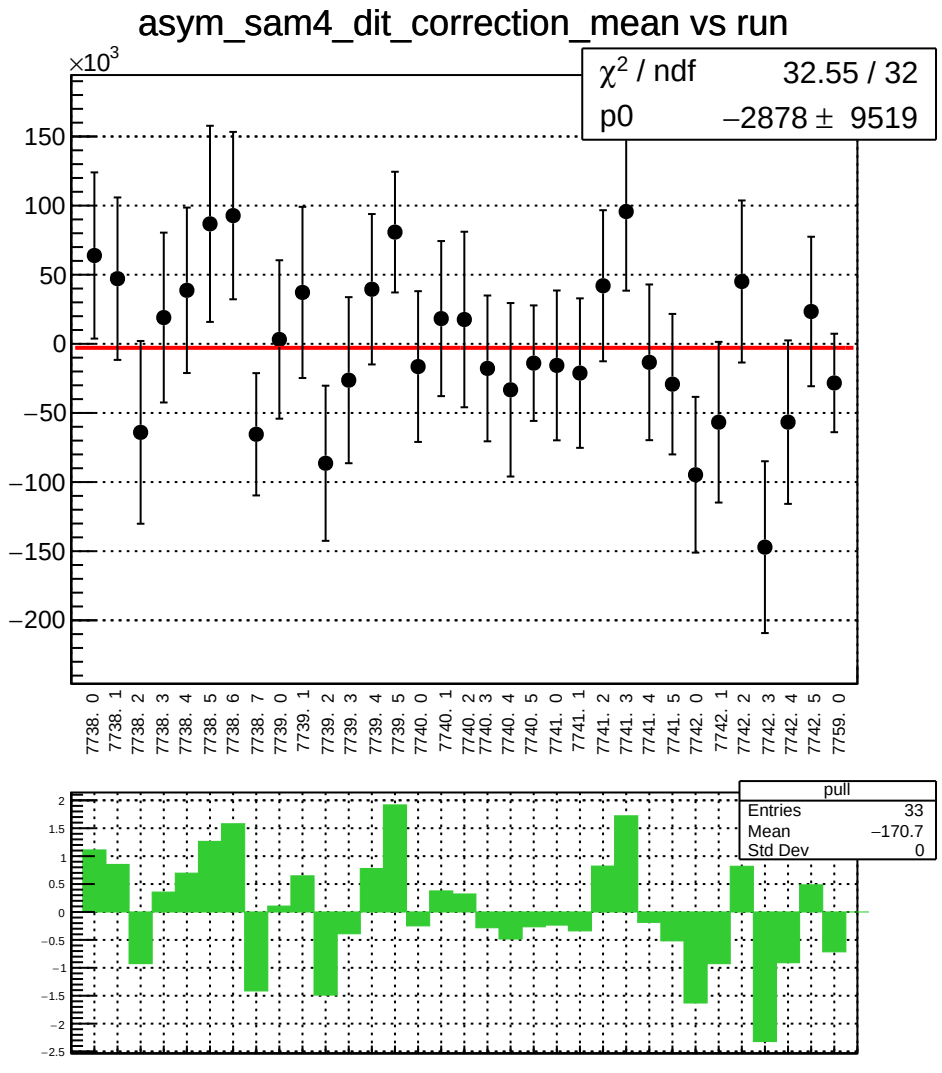

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.89 / 32
p0 −2935 ± 9380
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −119
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

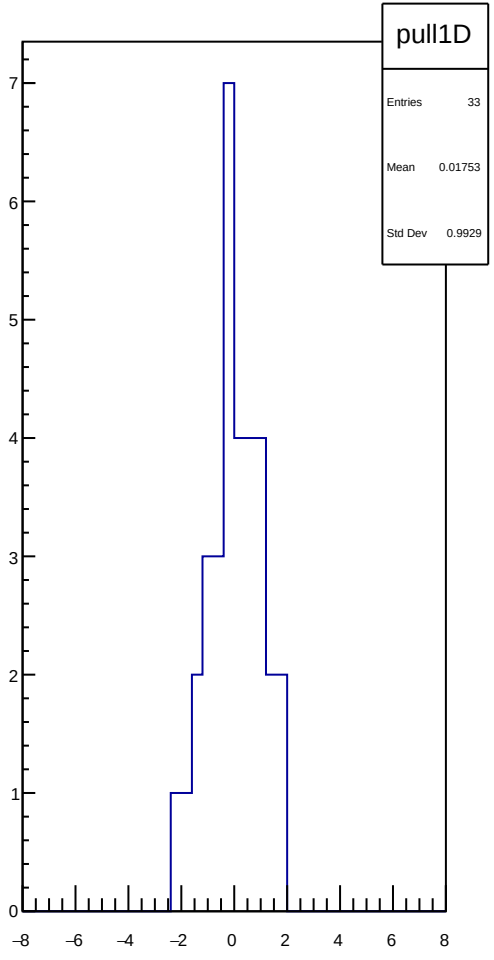

pull1D
Entries 33
Mean 0.02398
Std Dev 0.9828
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

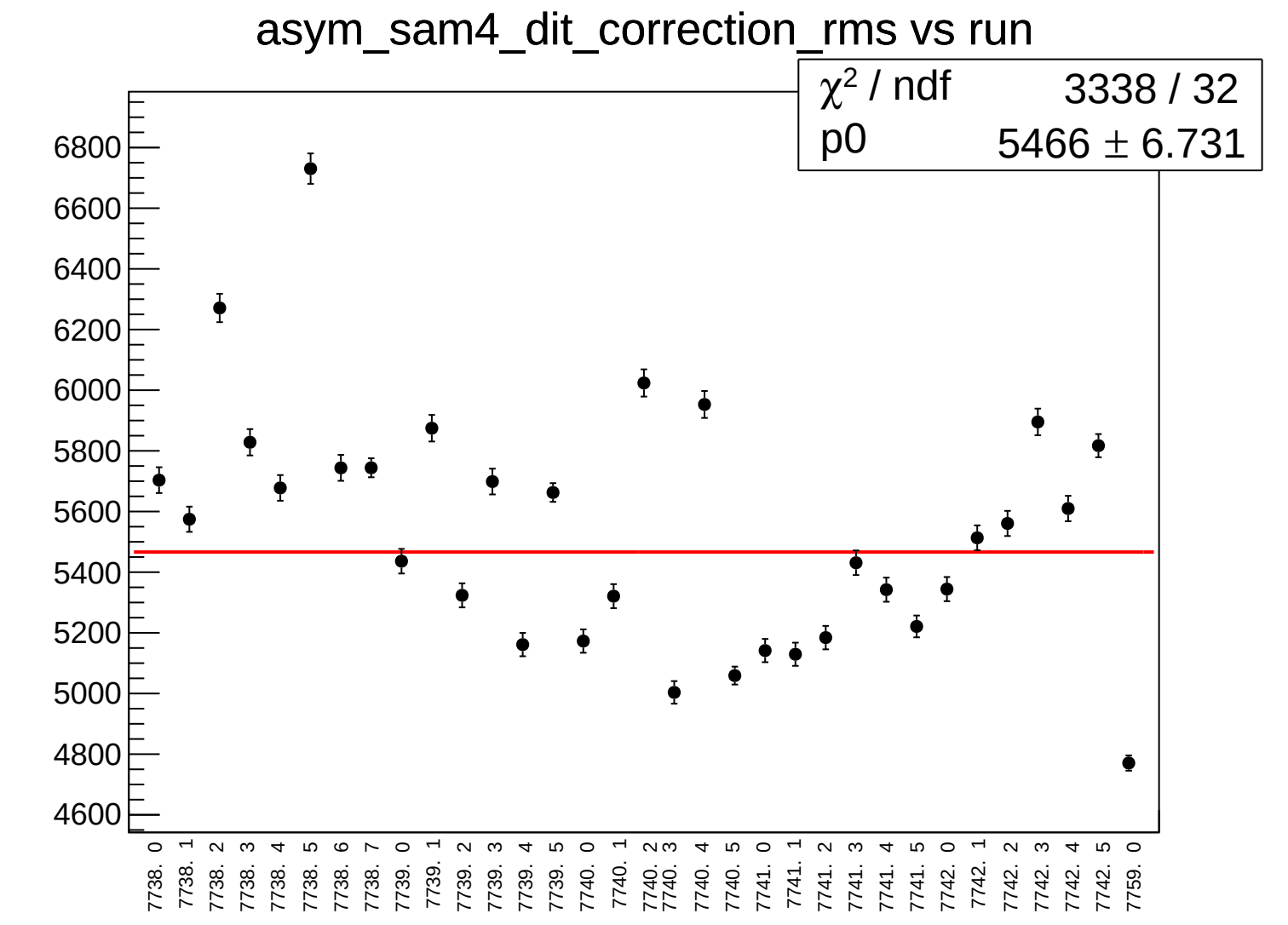

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 9274 / 32
p0 5362 ± 6.632
7000
6500
6000
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

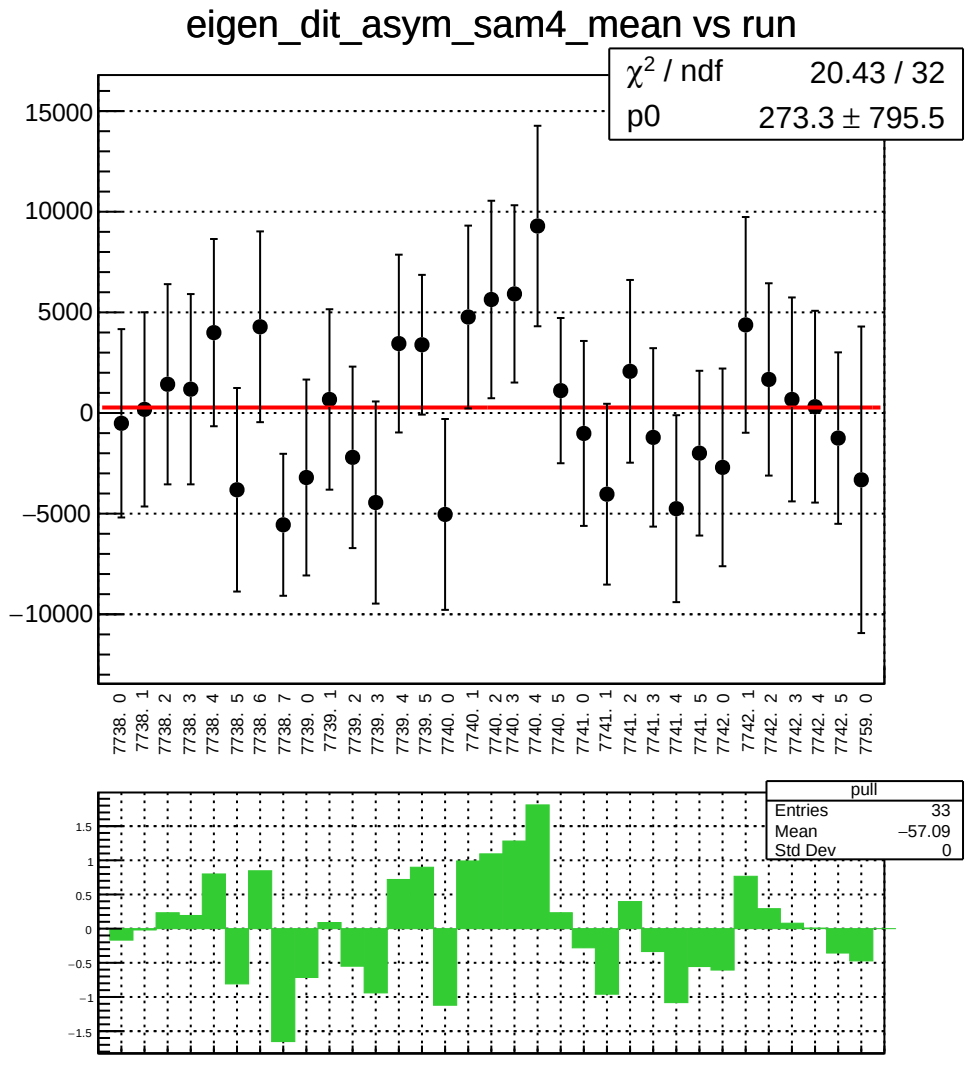

dit_asym_sam4_mean vs run
χ² / ndf 20.43 / 32
p0 273.3 ± 795.5
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.14
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.003342
Std Dev 0.7869
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

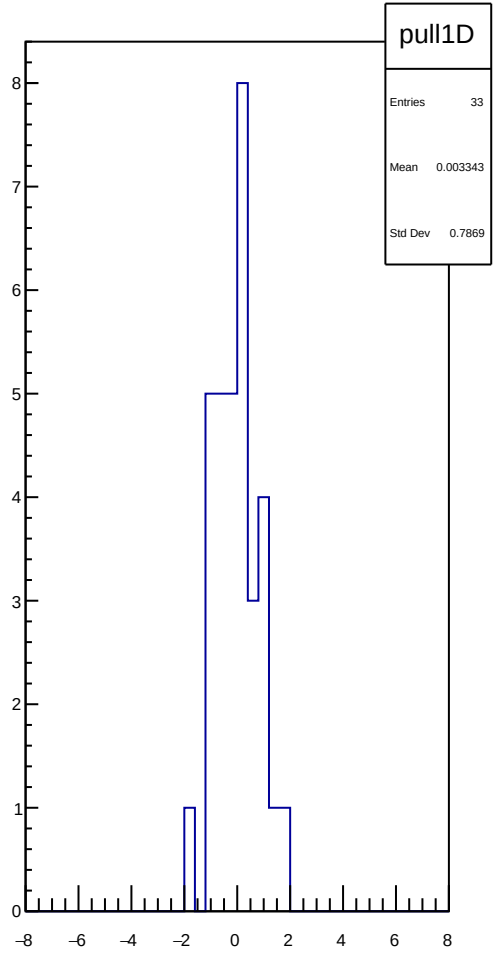

dit_asym_sam4_rms vs run
χ² / ndf 1.245e+04 / 32
p0 453.6 ± 0.5625
1000
900
800
700
600
500
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

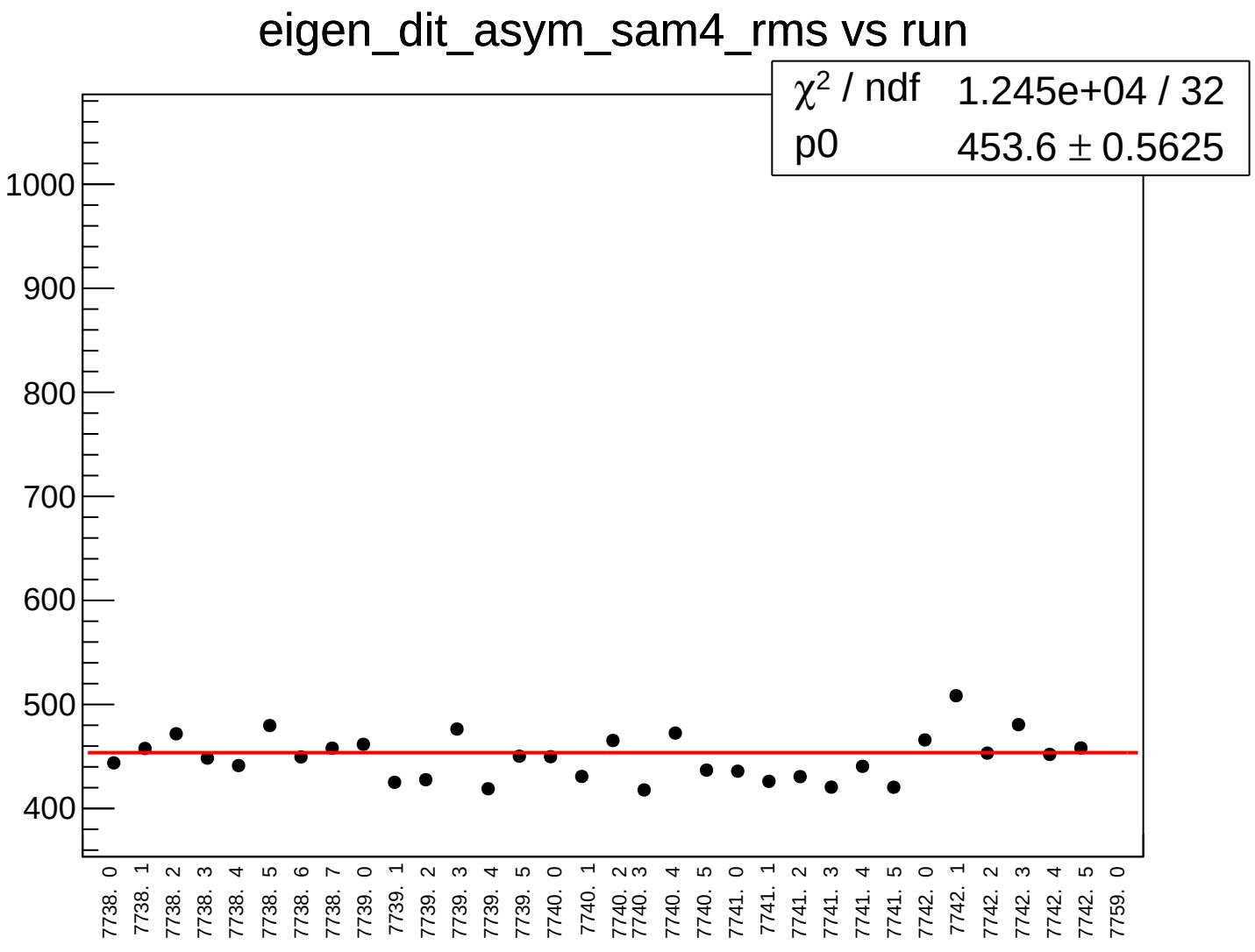

asym_sam4_dit_correction_mean vs run
×10^3
χ^2 / ndf 32.55 / 32
p0 −2878 ± 9519
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −170.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

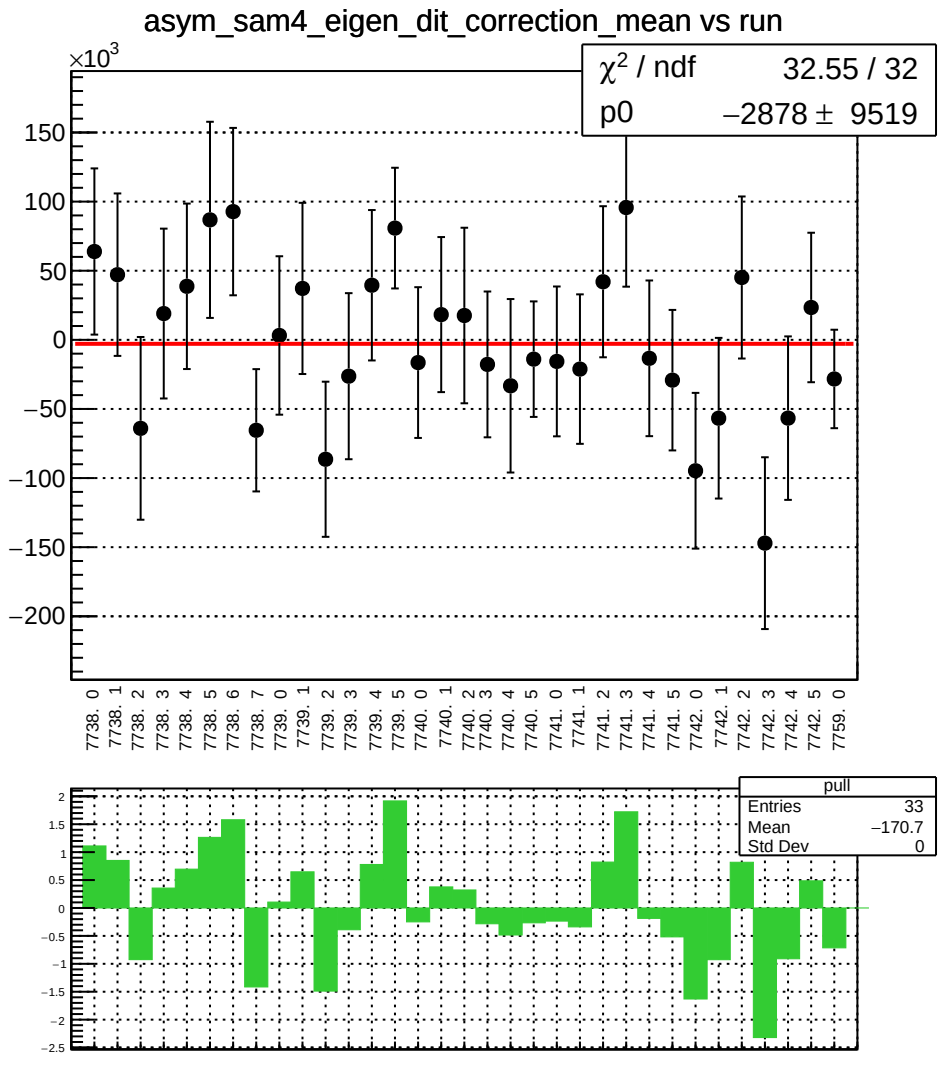

pull1D
Entries 33
Mean 0.01753
Std Dev 0.9929
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

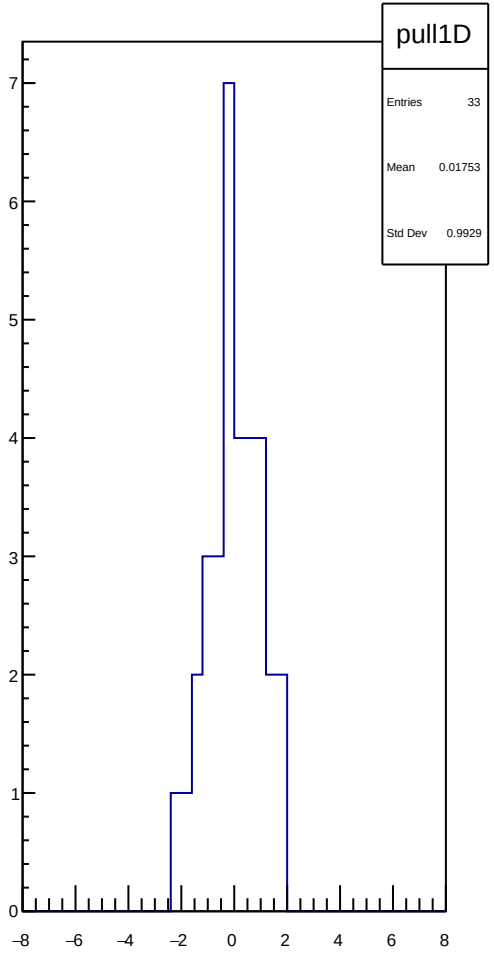

asym_sam4_dit_correction_rms vs run
χ² / ndf 3338 / 32
p0 5466 ± 6.731
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

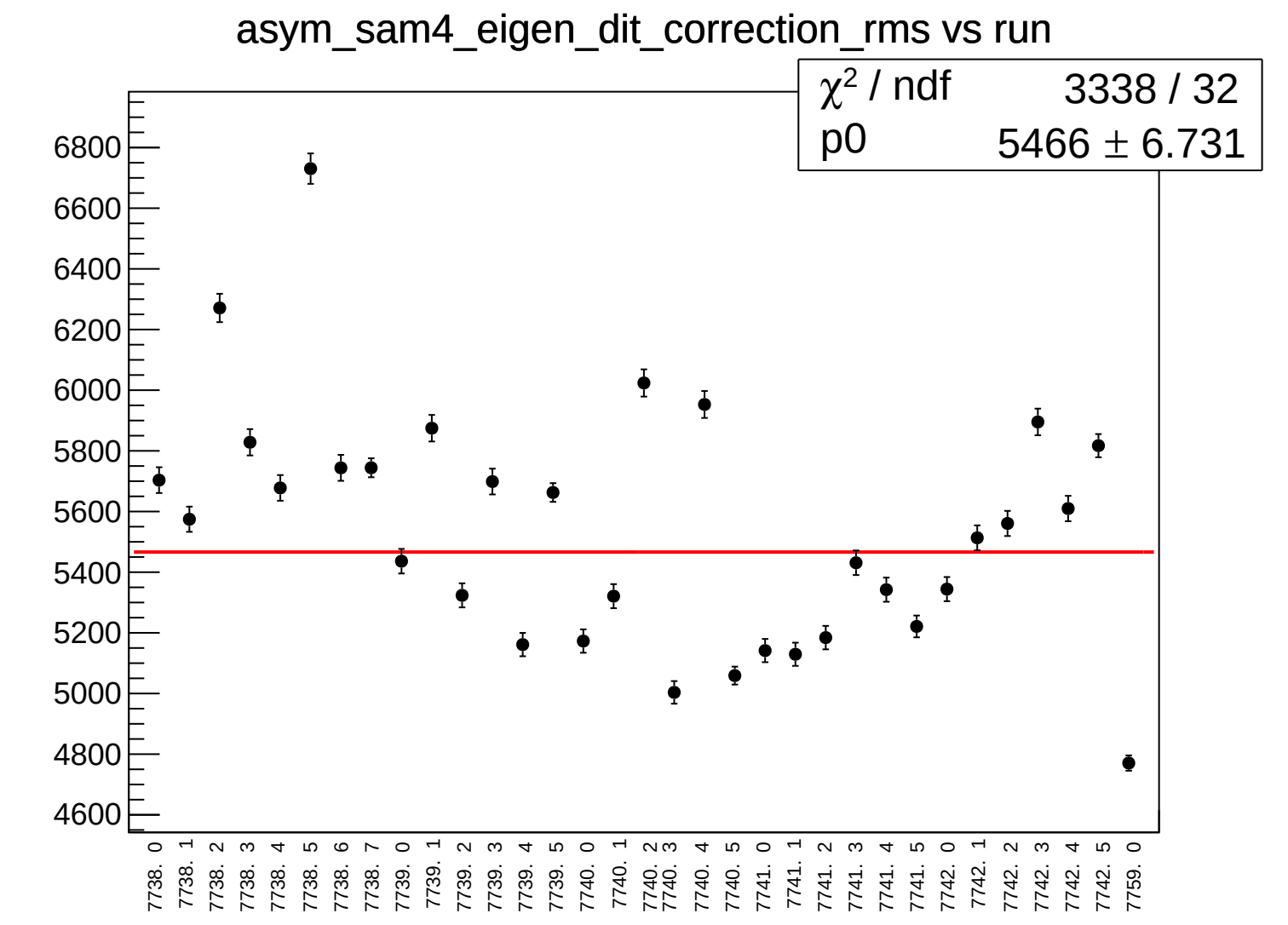

eigen_dit_asym_sam4_mean vs run
χ² / ndf 20.43 / 32
p0 273.3 ± 795.5
15000
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.09
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

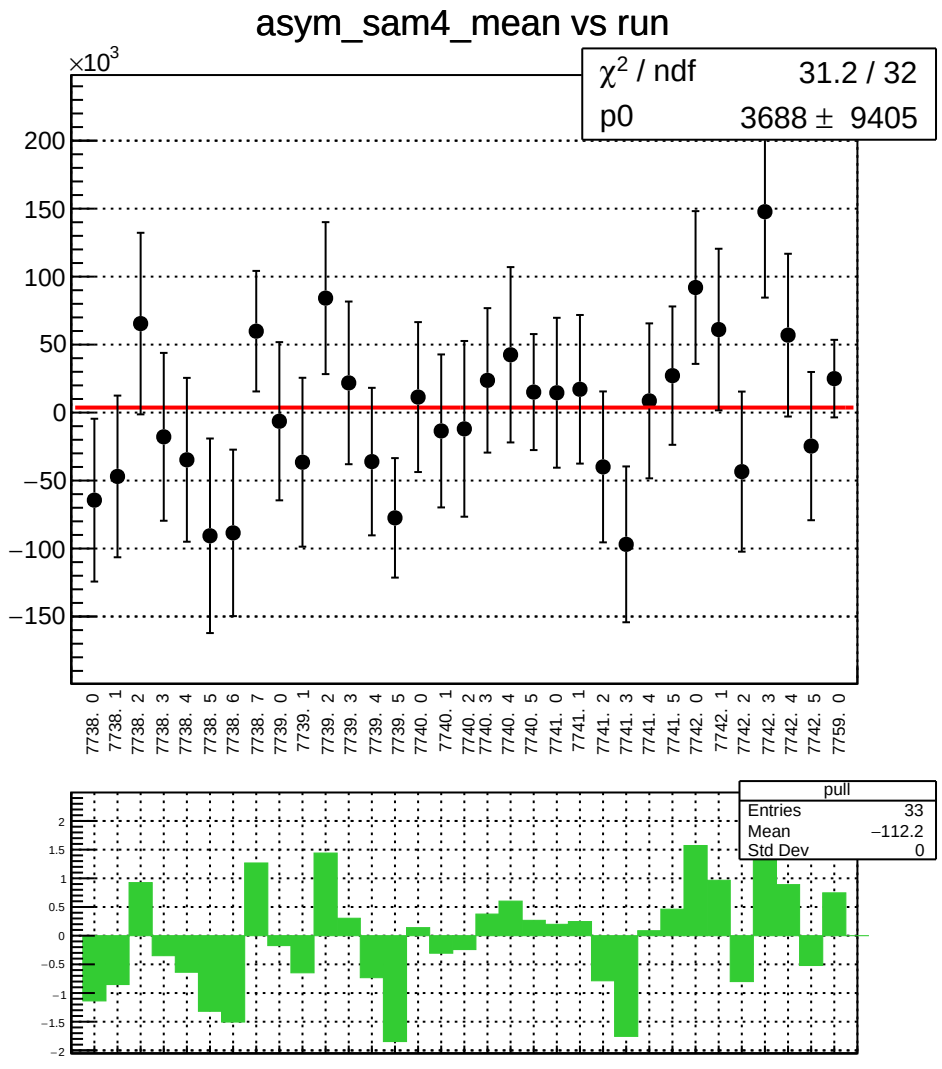

pull1D
Entries 33
Mean 0.003343
Std Dev 0.7869
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

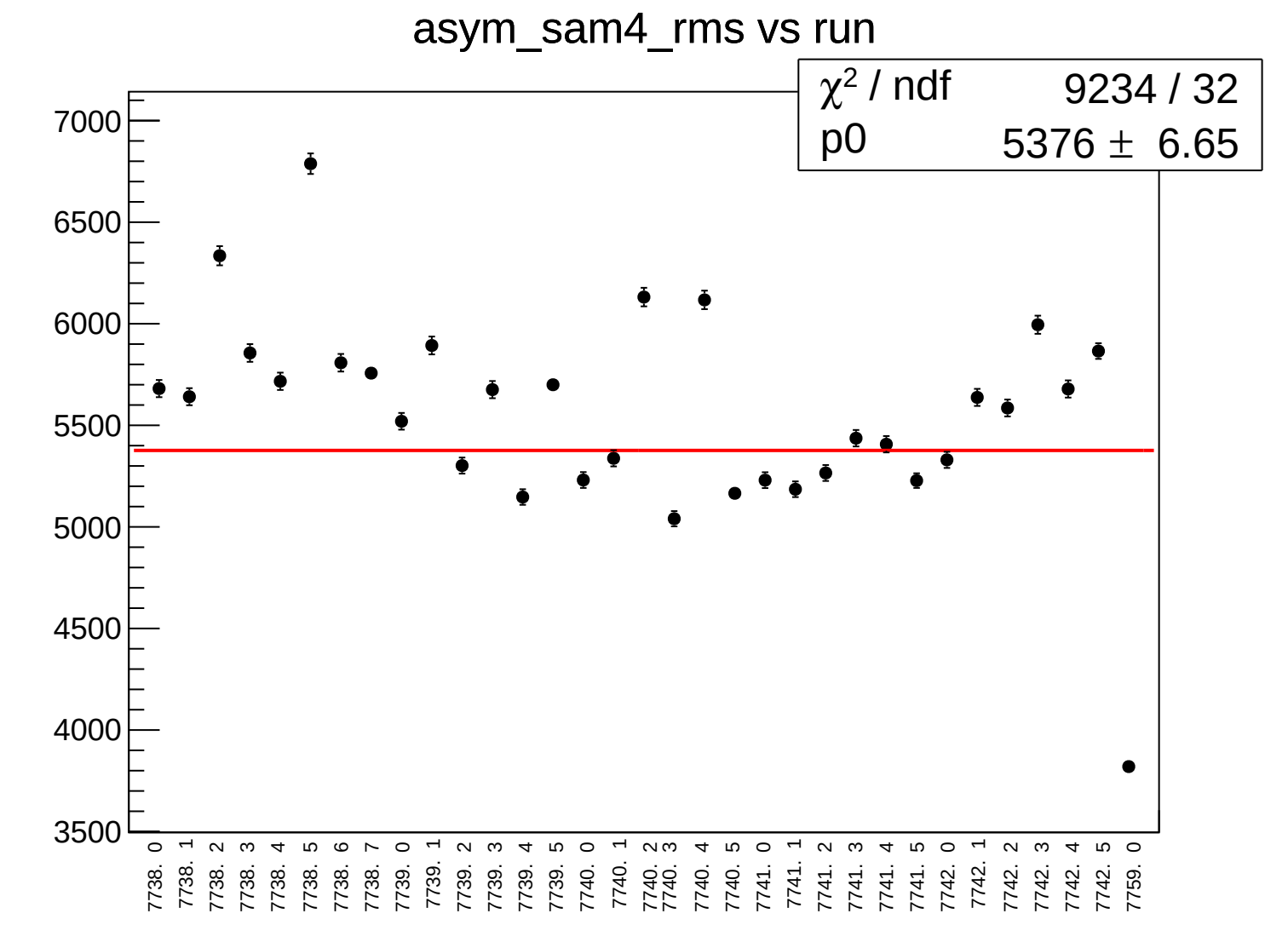

eigen_dit_asym_sam4_rms vs run
χ² / ndf 1.245e+04 / 32
p0 453.6 ± 0.5625
1000
900
800
700
600
500
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

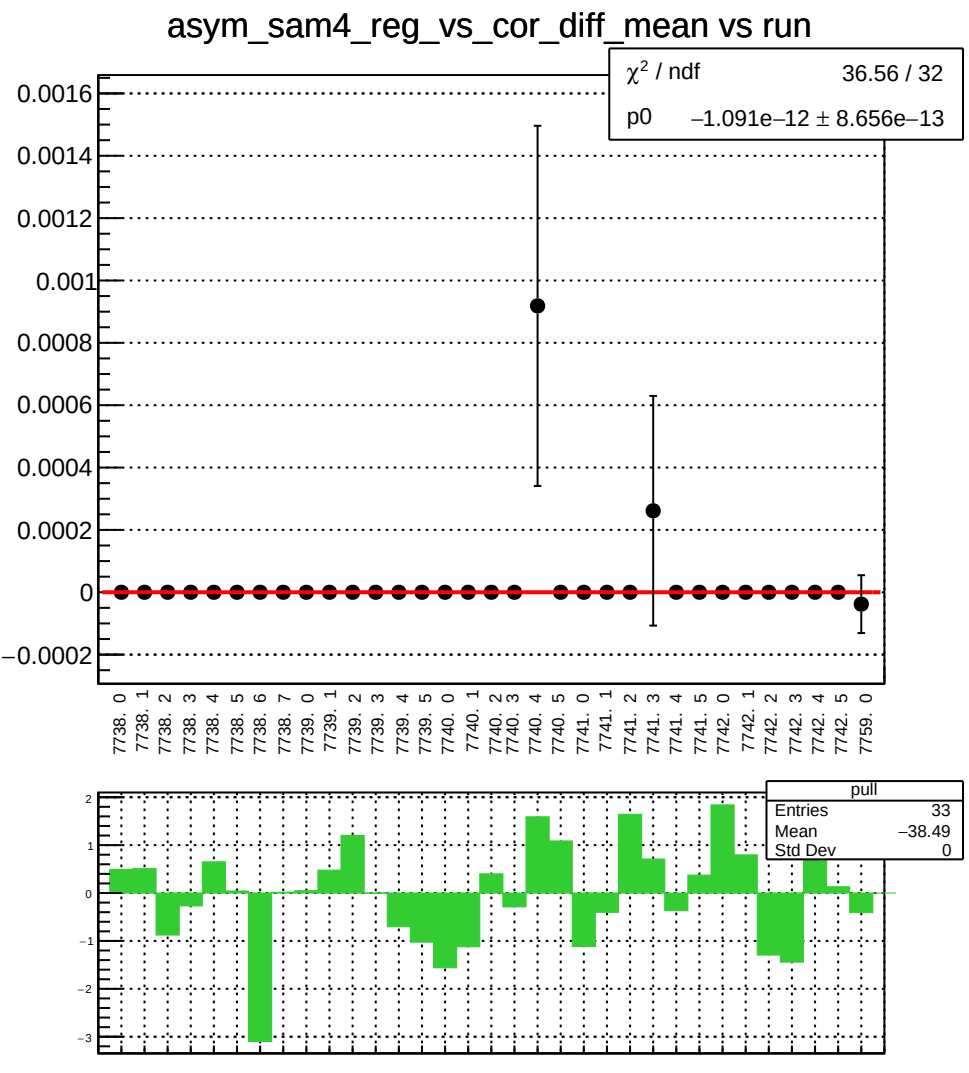

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.55 / 32
p0 −2878 ± 9519
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −170.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

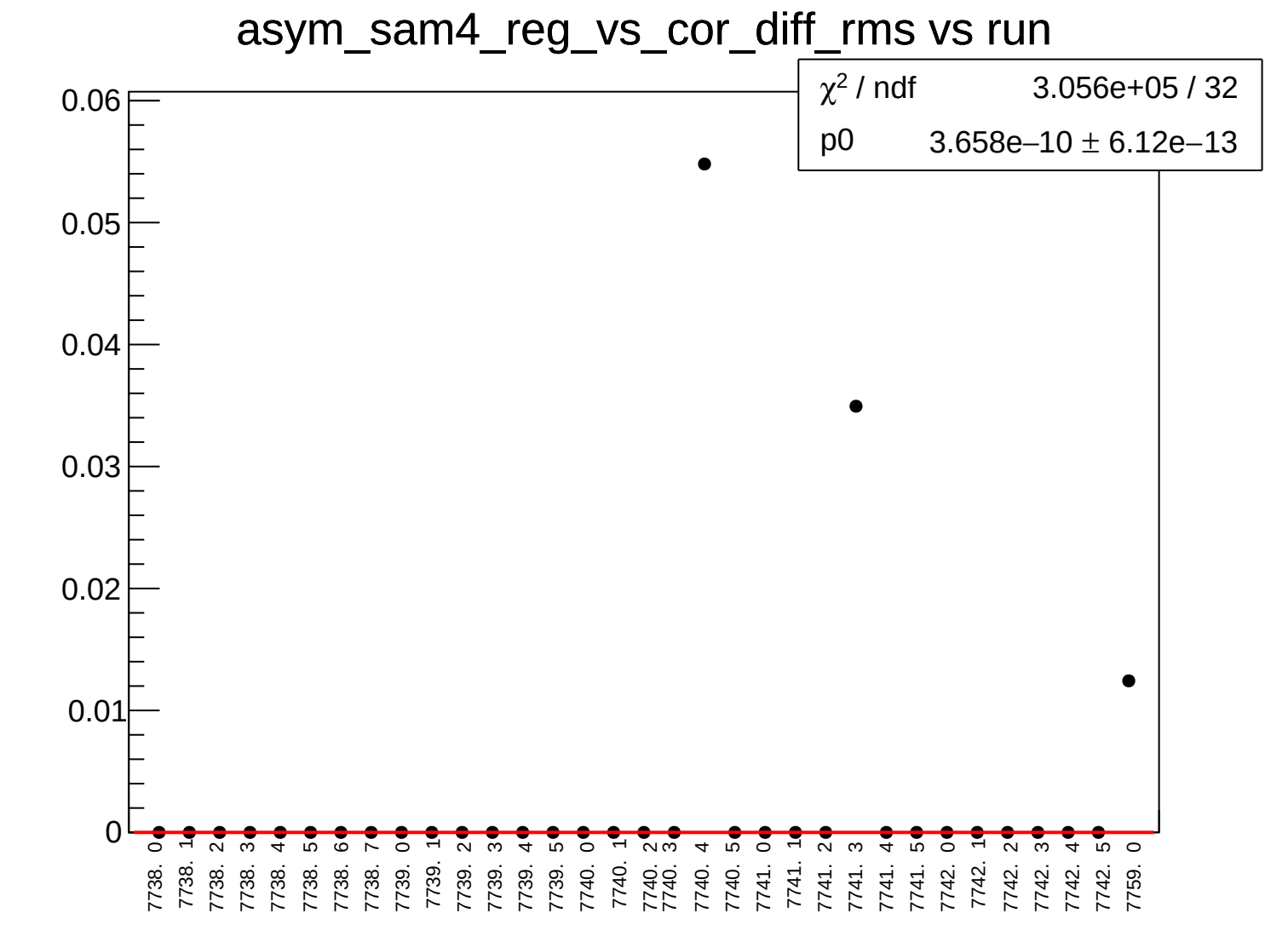

pull1D
Entries 33
Mean 0.01753
Std Dev 0.9929
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

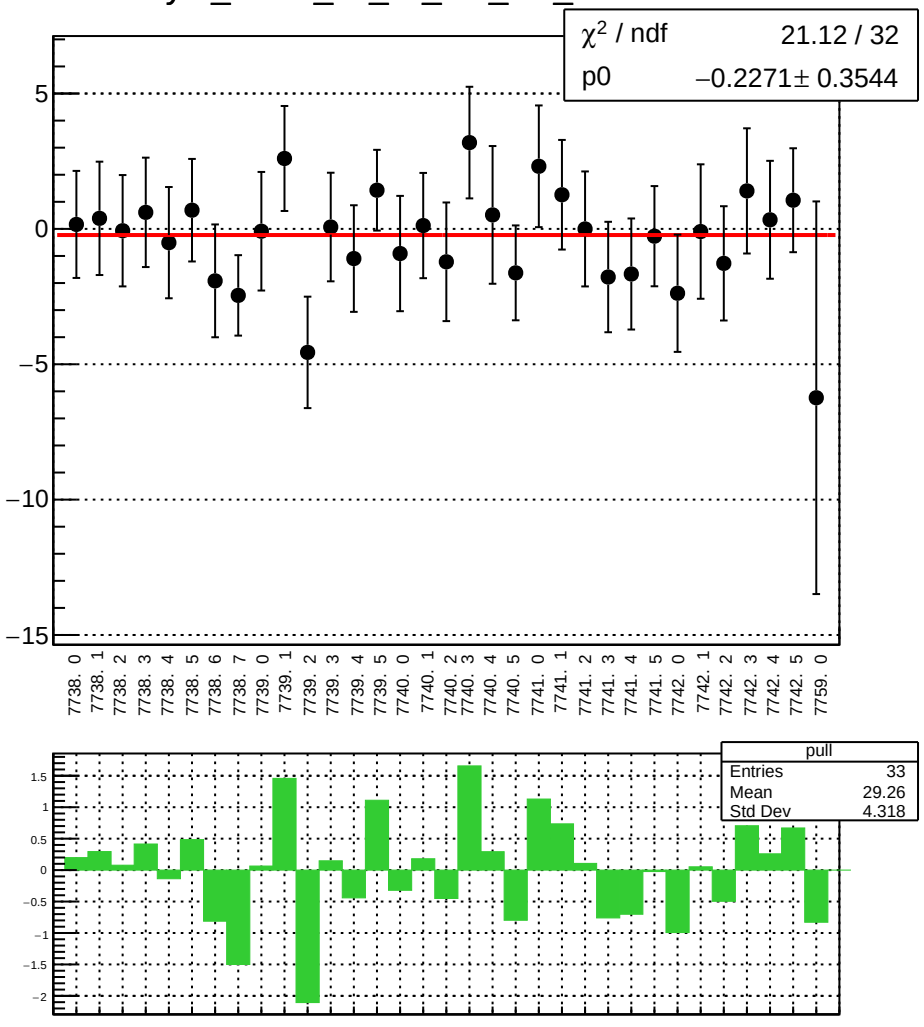

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 3338 / 32
p0 5466 ± 6.731
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

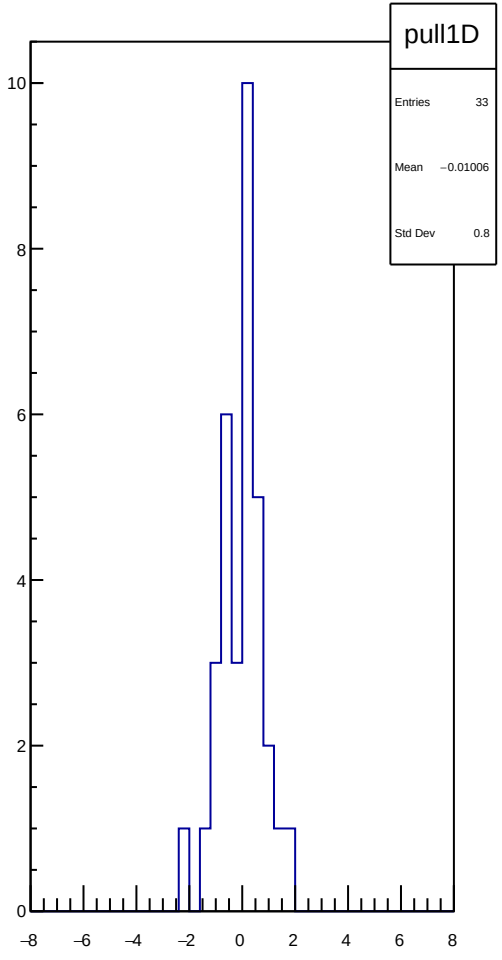

asym_sam4_mean vs run
×10^3
χ^2 / ndf 31.2 / 32
p0 3688 ± 9405
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −112.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02539
Std Dev 0.9721
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

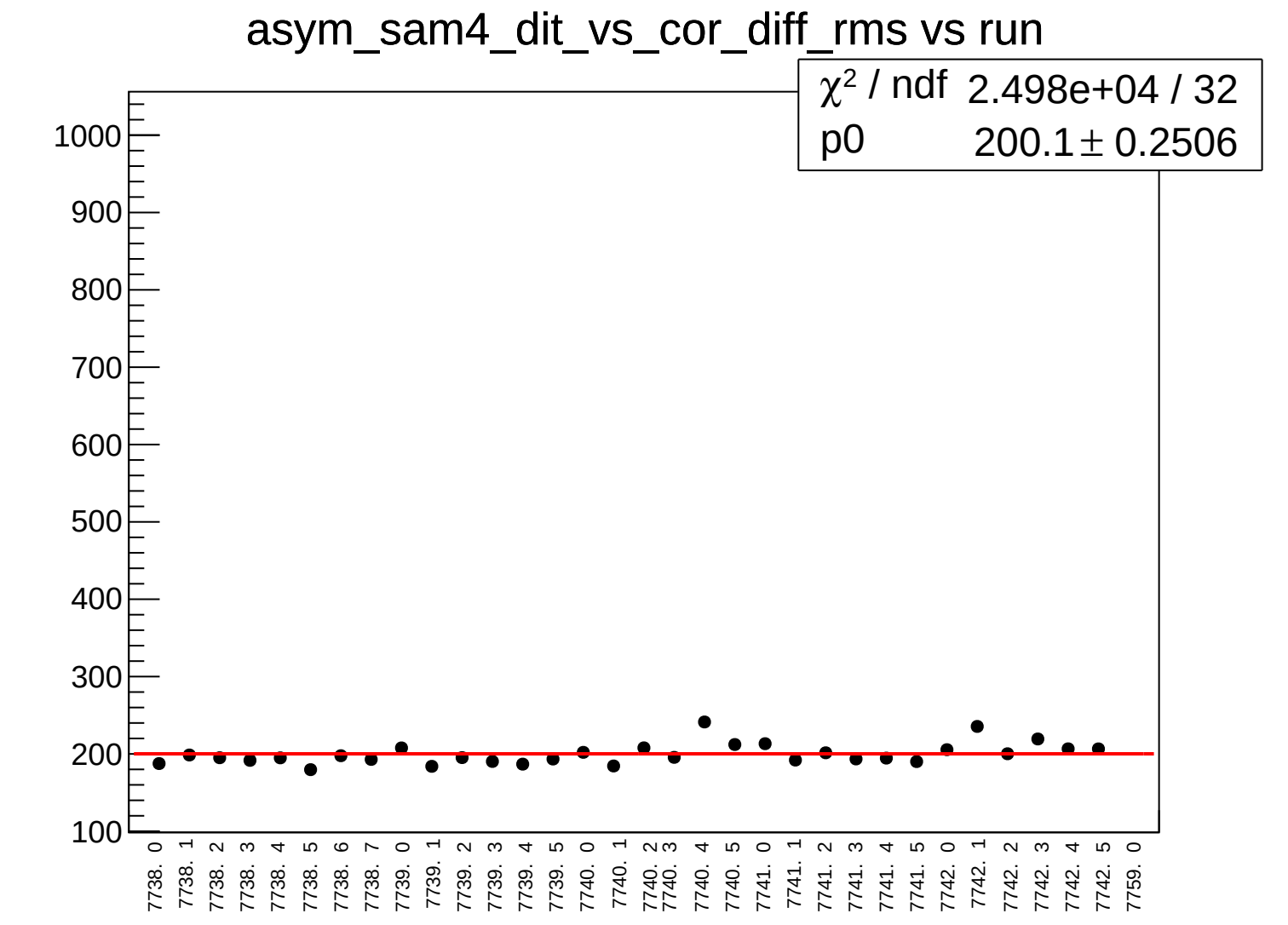

asym_sam4_rms vs run
χ² / ndf 9234 / 32
p0 5376 ± 6.65
7000
6500
6000
5500
5000
4500
4000
3500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

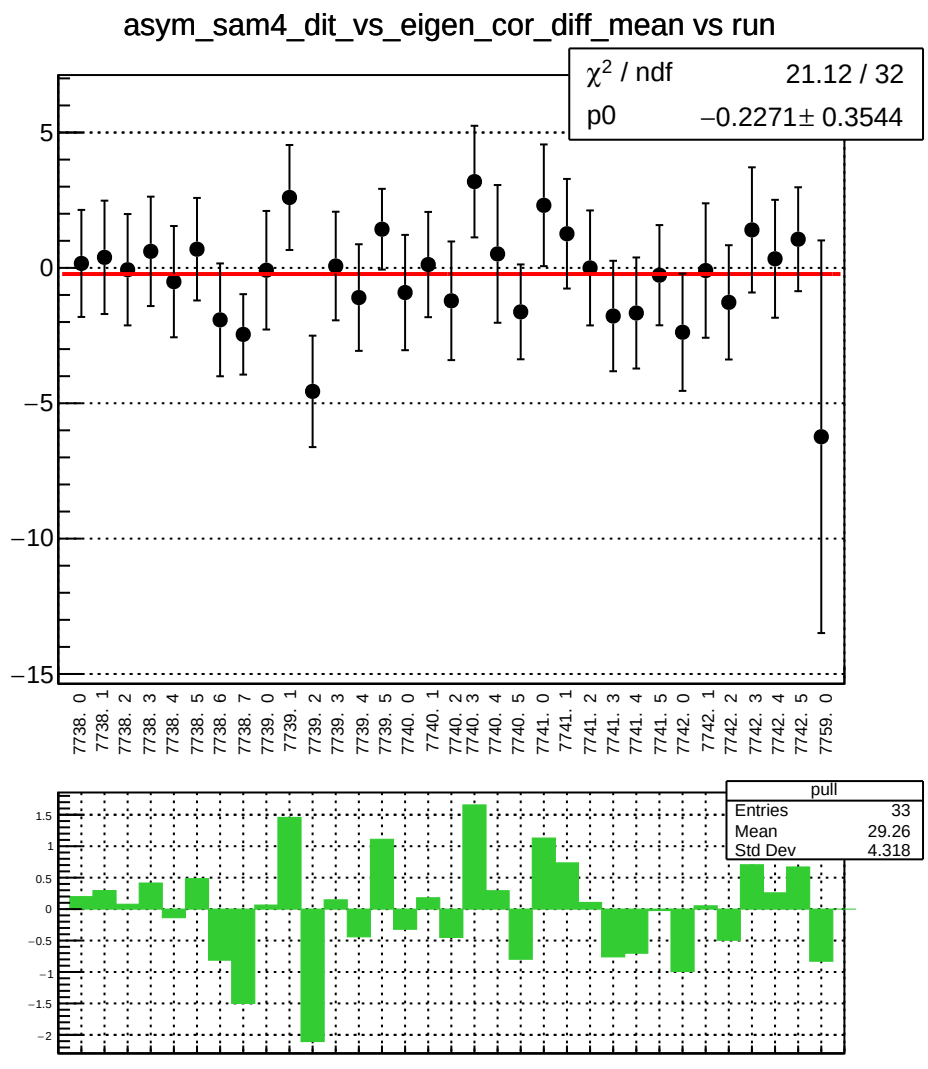

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 36.56 / 32
p0 −1.091e−12 ± 8.656e−13
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −38.49
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.02329
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

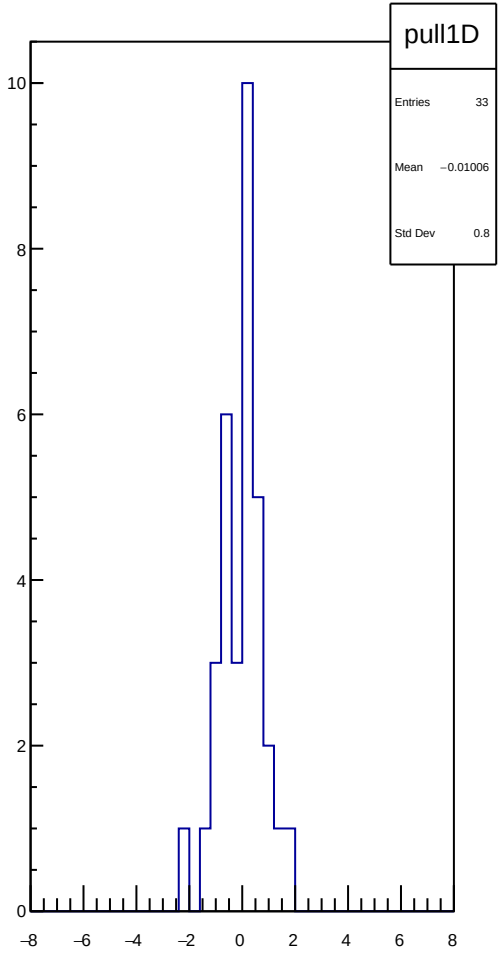

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 3.056e+05 / 32
p0 3.658e−10 ± 6.12e−13
0.06
0.05
0.04
0.03
0.02
0.01
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

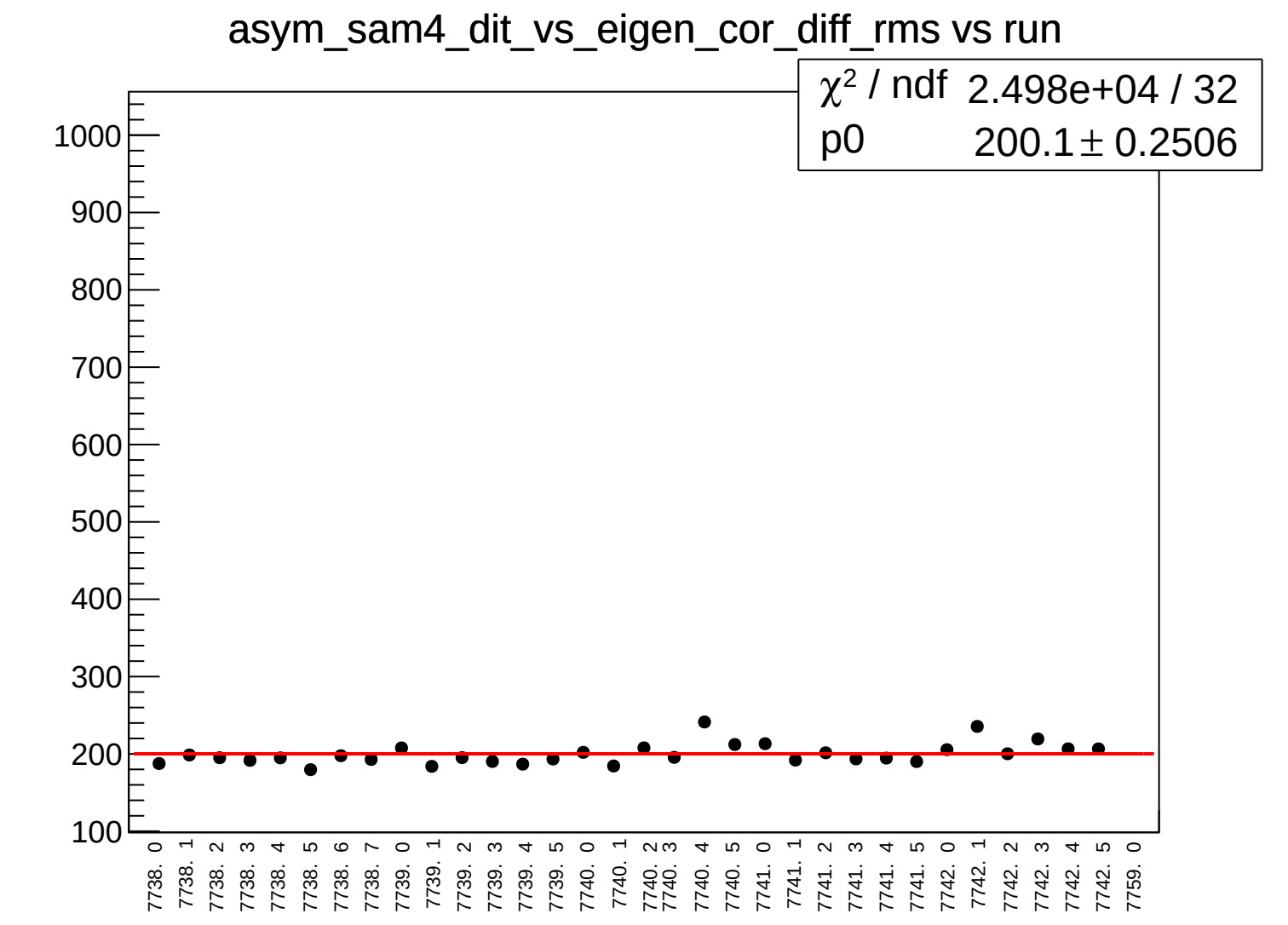

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 21.12 / 32
p0 −0.2271± 0.3544
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.26
Std Dev 4.318
1.5
1
0.5
0
−0.5
−1
−1.5
−2

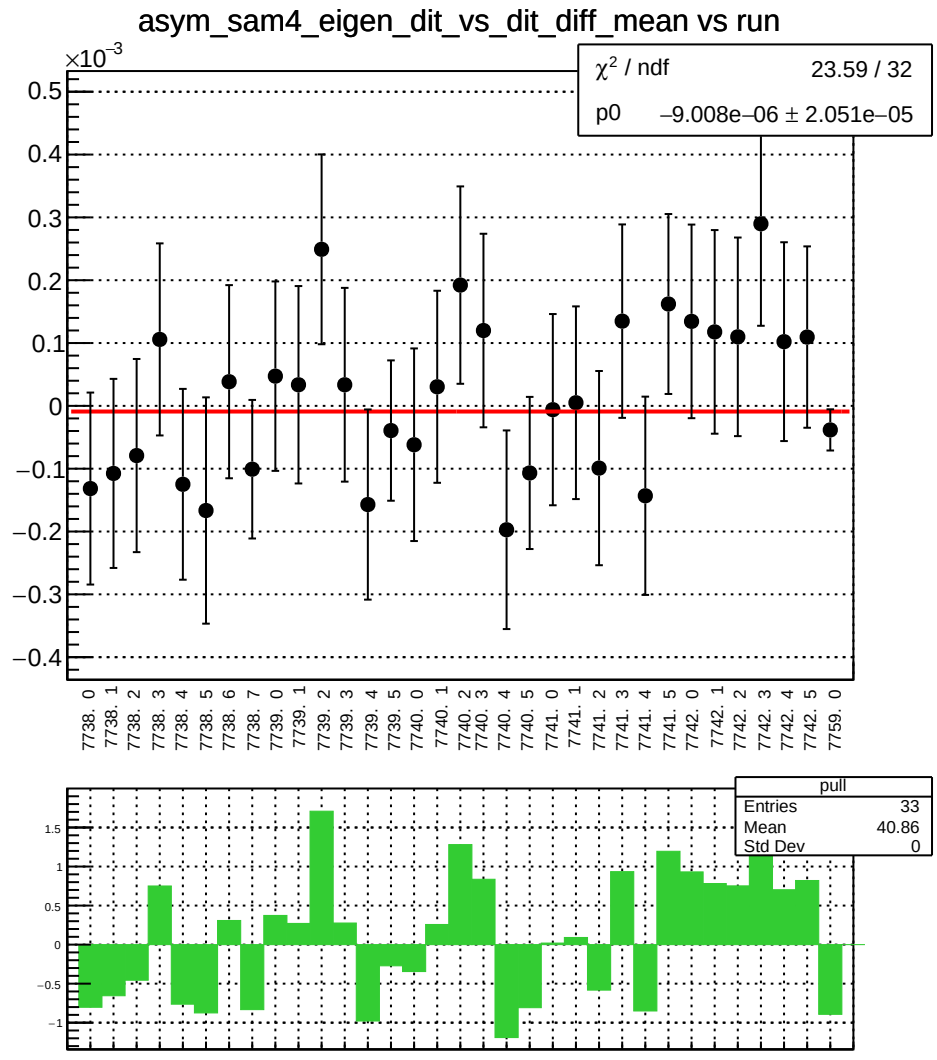

pull1D
Entries 33
Mean −0.01006
Std Dev 0.8
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

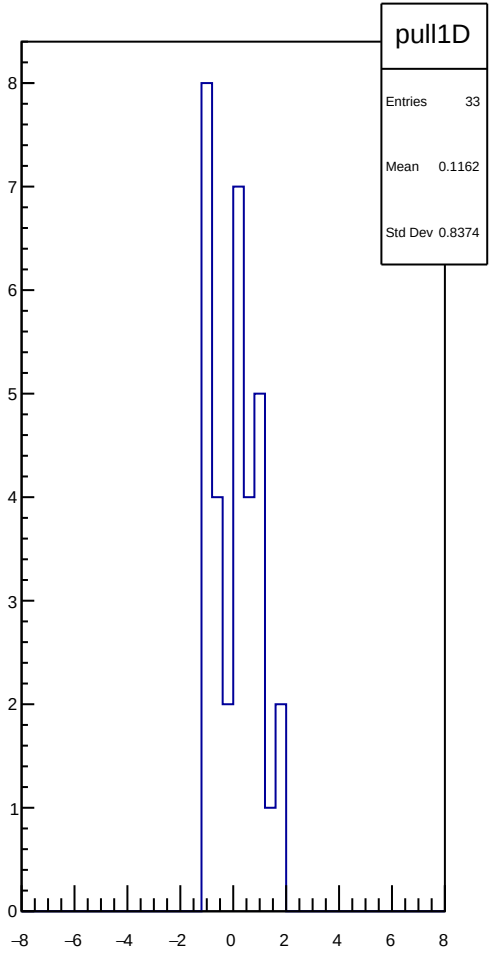

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 2.498e+04 / 32
p0 200.1 ± 0.2506
1000
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

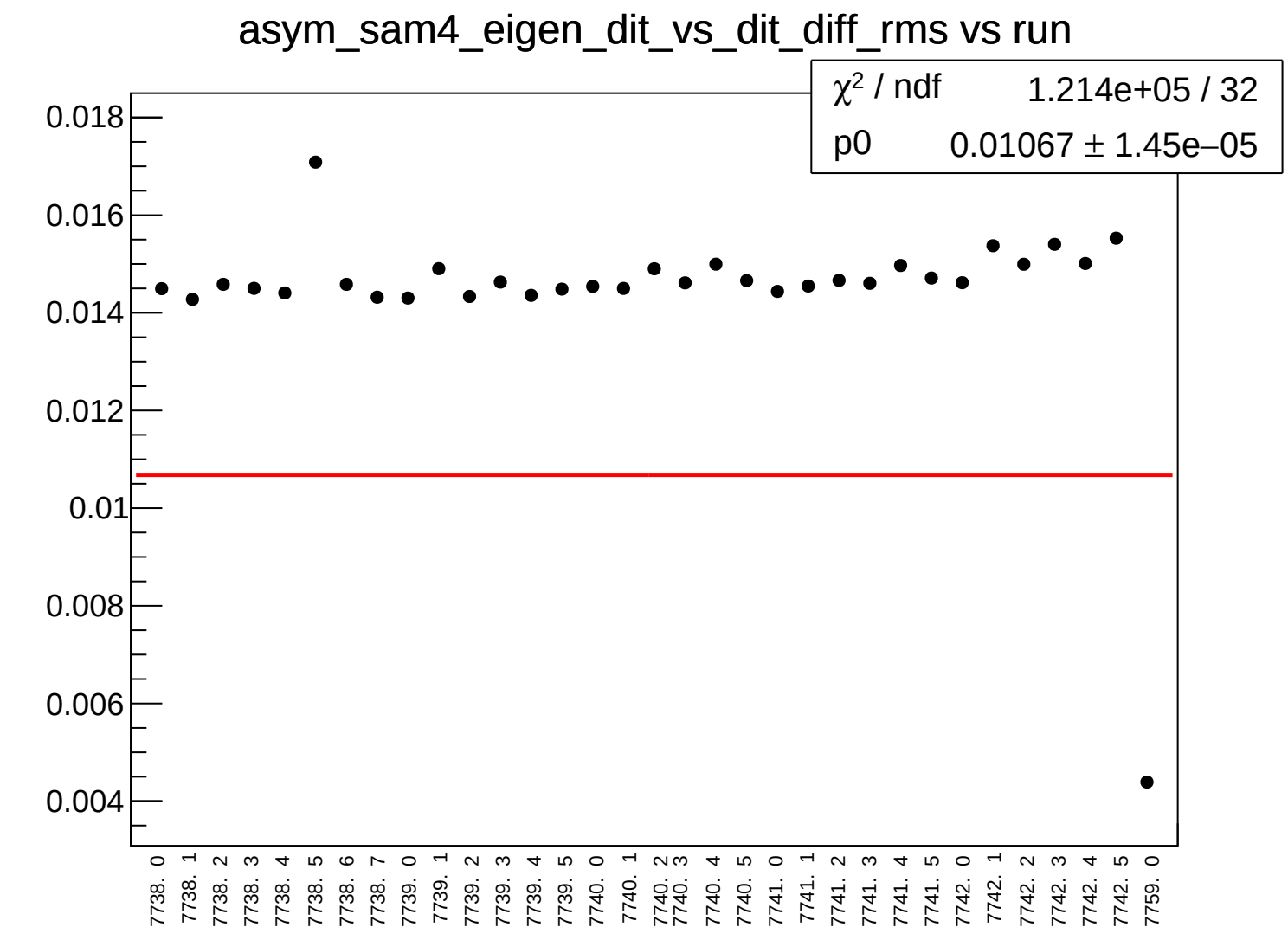

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.12 / 32
p0 −0.2271± 0.3544
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.26
Std Dev 4.318
1.5
1
0.5
0
−0.5
−1
−1.5
−2

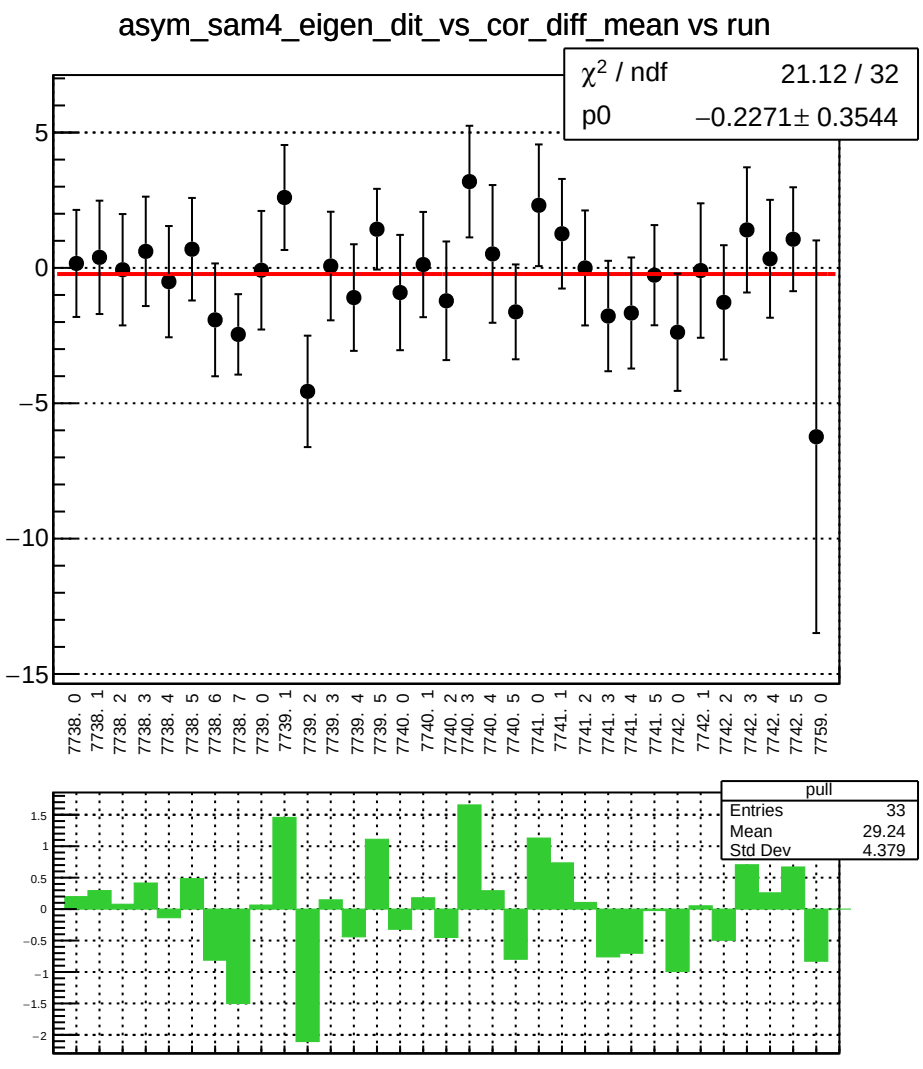

pull1D
Entries 33
Mean −0.01006
Std Dev 0.8
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

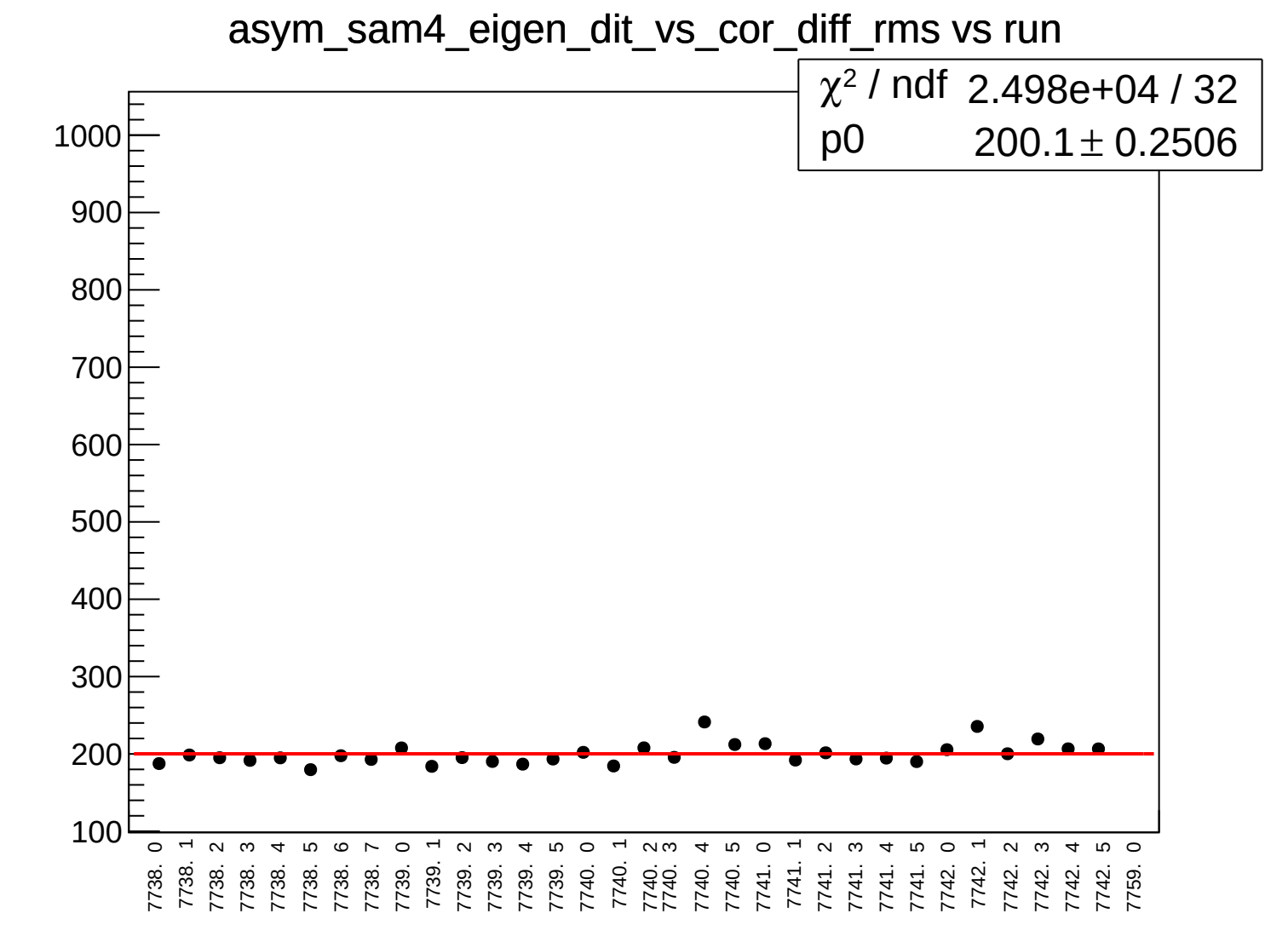

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.498e+04 / 32
p0 200.1 ± 0.2506
1000
900
800
700
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

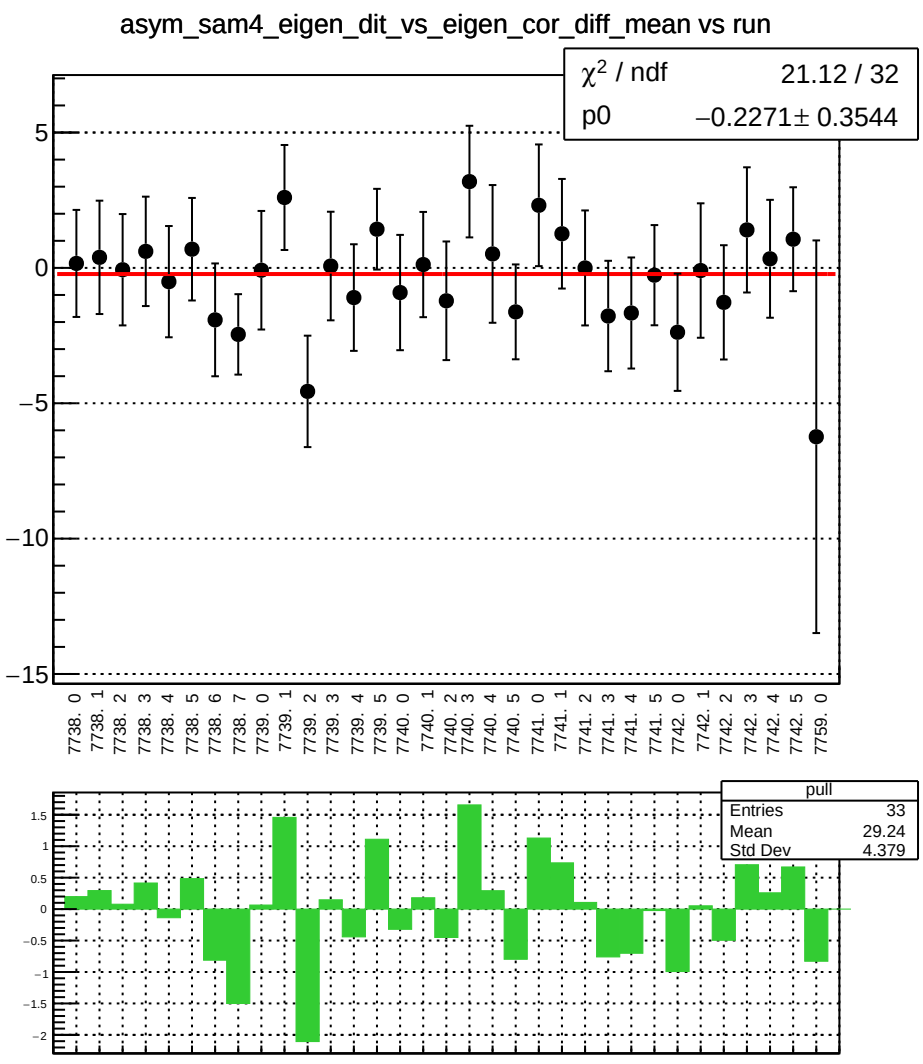

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 23.59 / 32
p0 −9.008e−06 ± 2.051e−05
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 40.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1

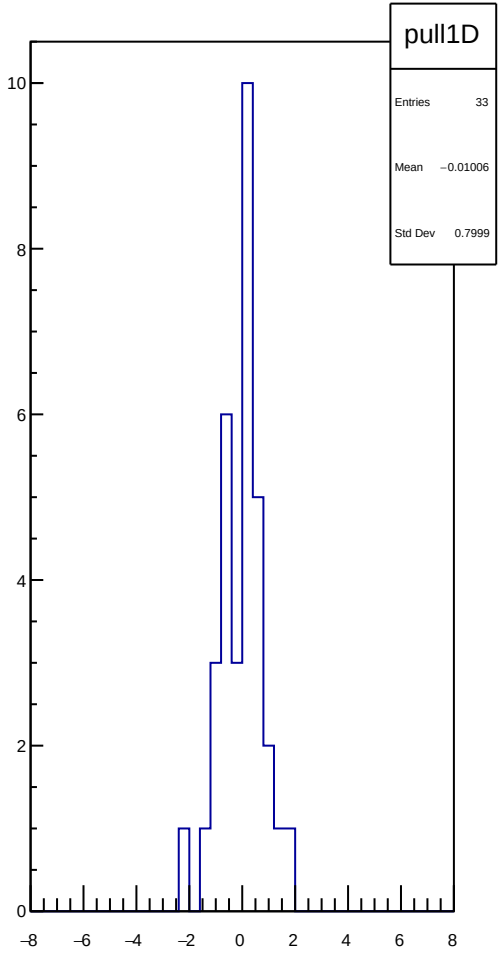

pull1D
Entries 33
Mean 0.1162
Std Dev 0.8374
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

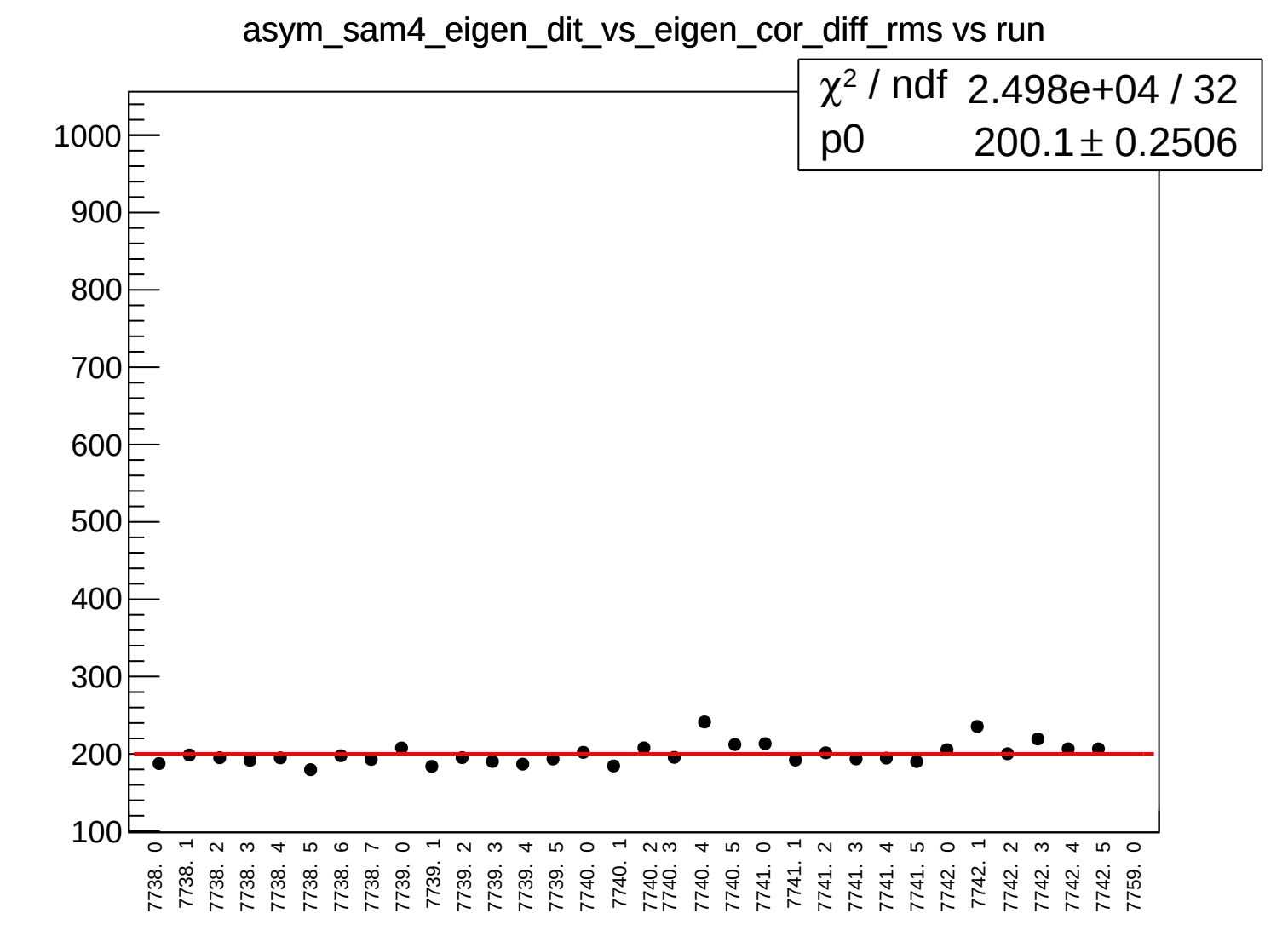

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.214e+05 / 32
p0 0.01067 ± 1.45e−05
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

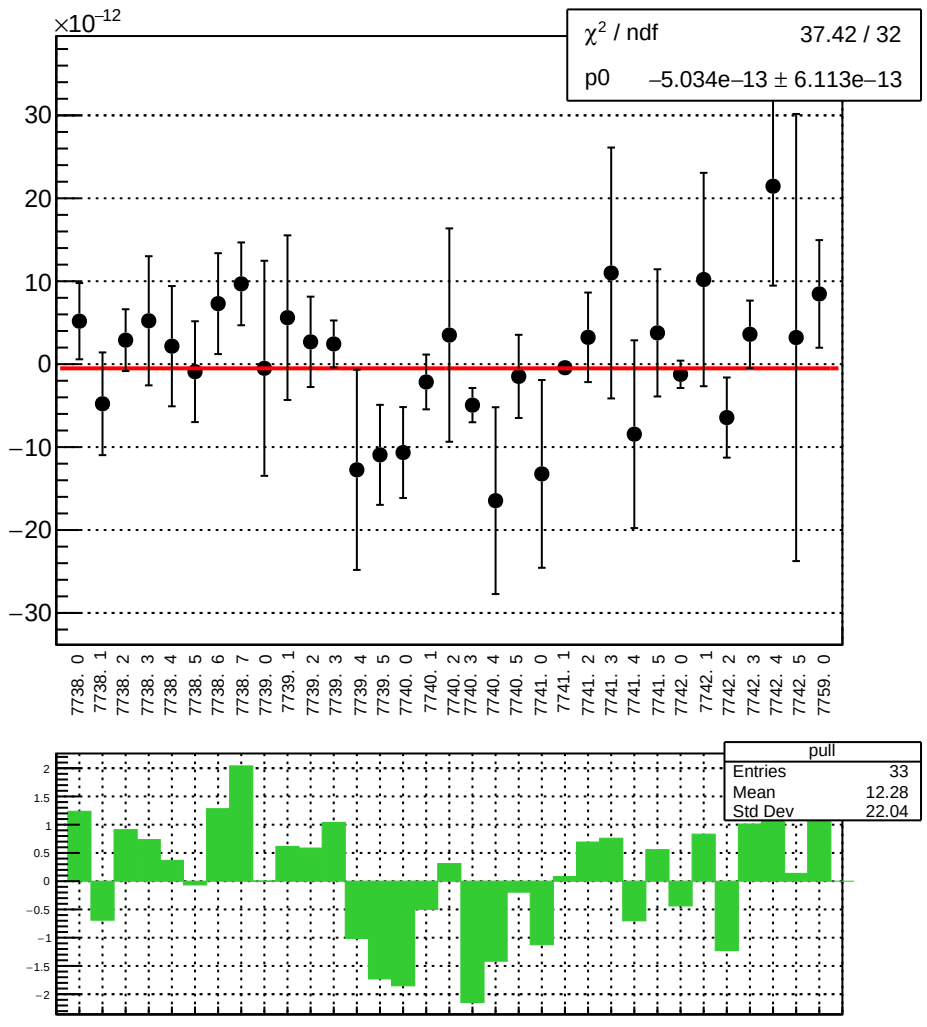

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.12 / 32
p0 −0.2271± 0.3544
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.24
Std Dev 4.379
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01006
Std Dev 0.7999
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

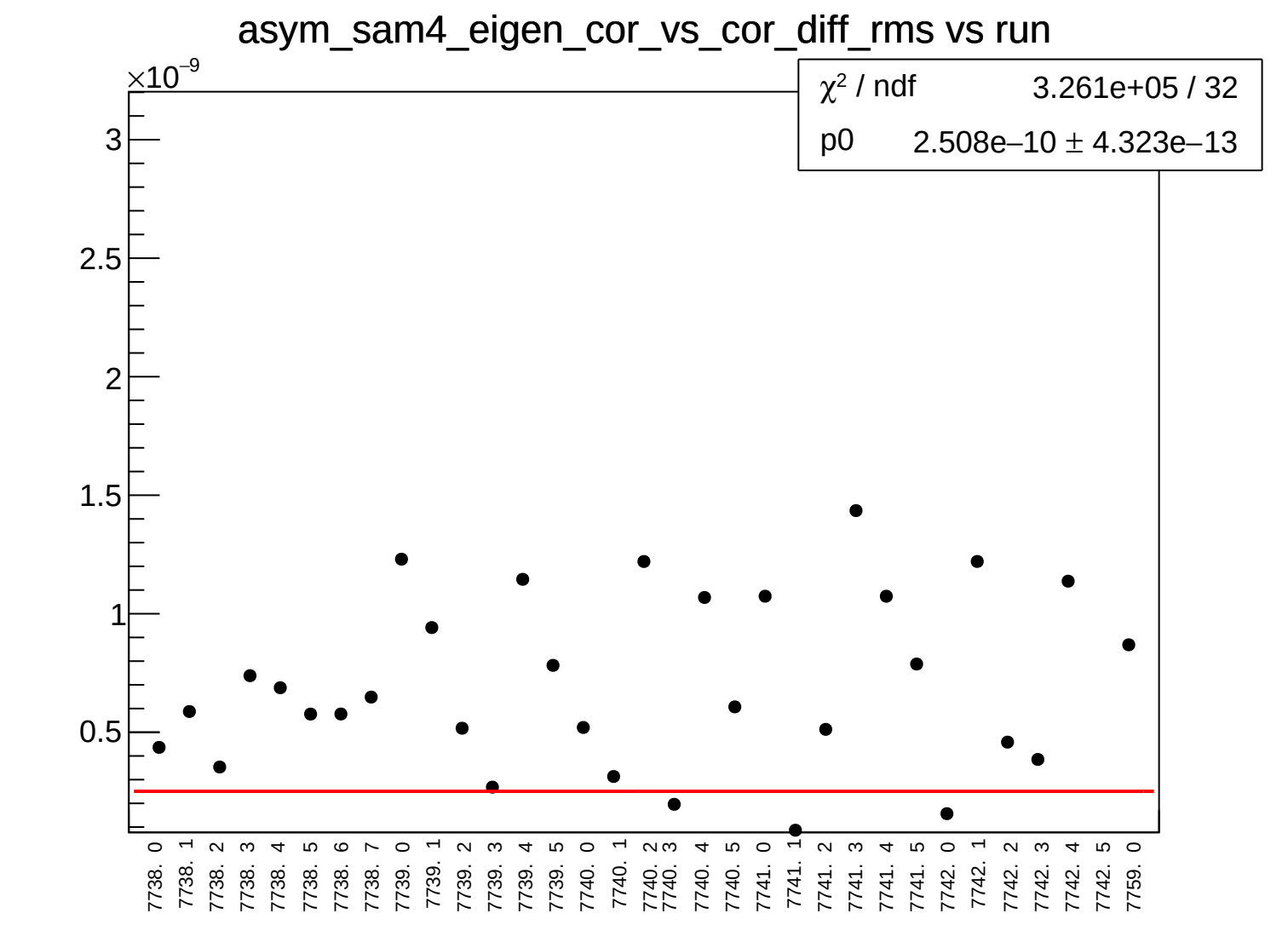

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.498e+04 / 32
p0 200.1 ± 0.2506
1000
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

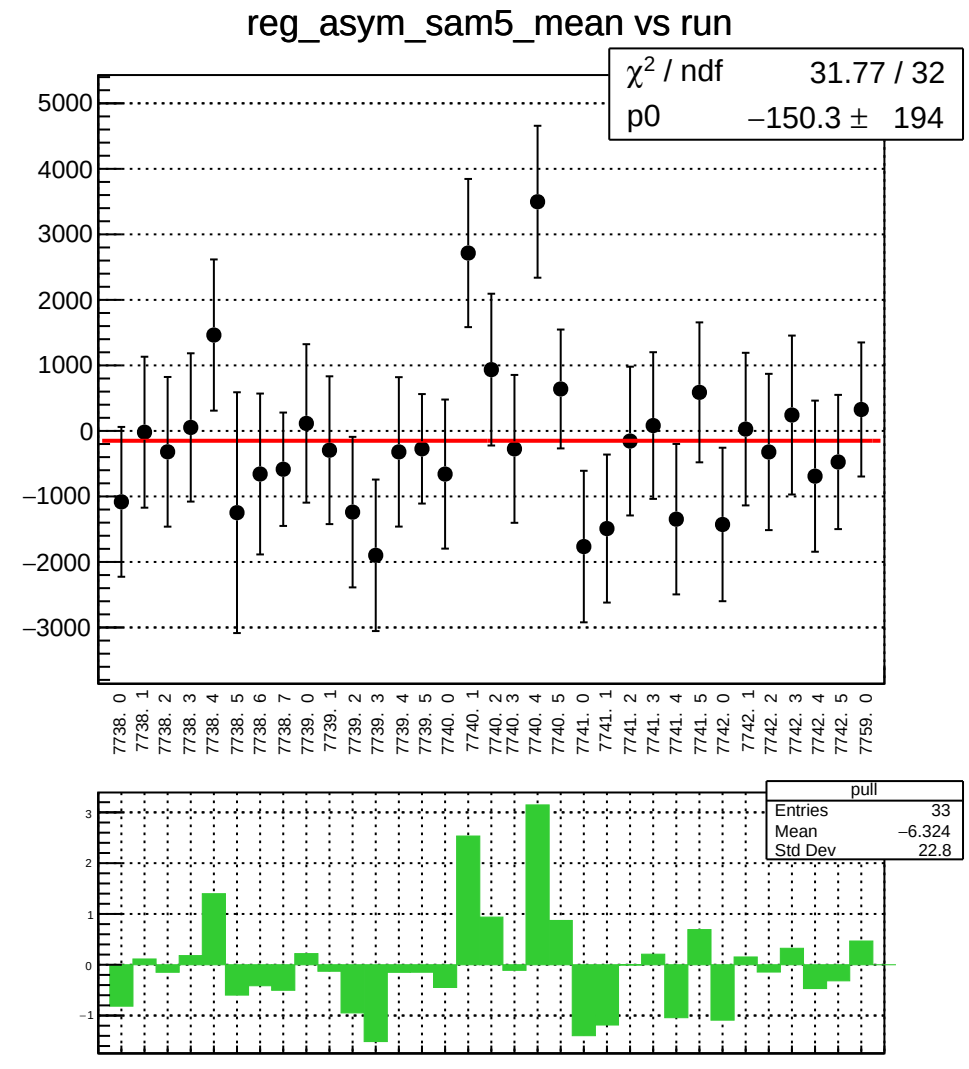

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.12 / 32
p0 −0.2271± 0.3544
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.24
Std Dev 4.379
1.5
1
0.5
0
−0.5
−1
−1.5
−2

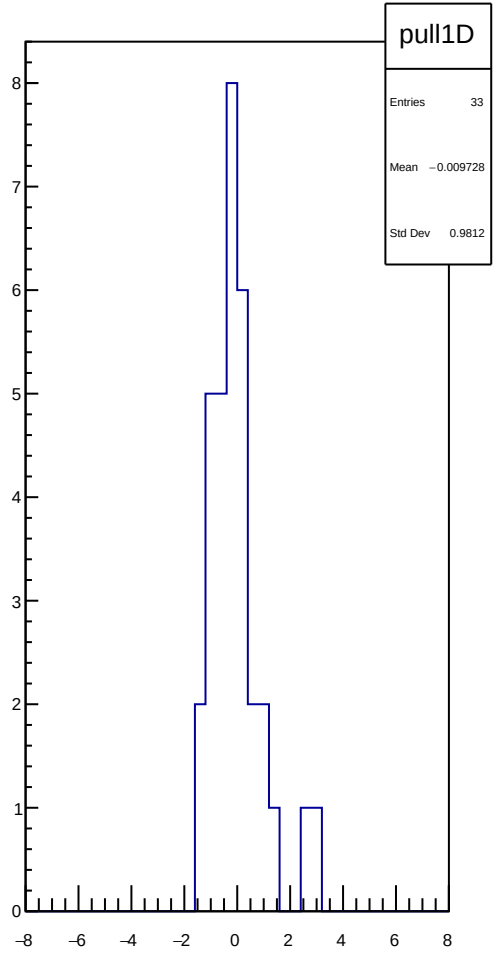

pull1D
Entries 33
Mean −0.01006
Std Dev 0.7999
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

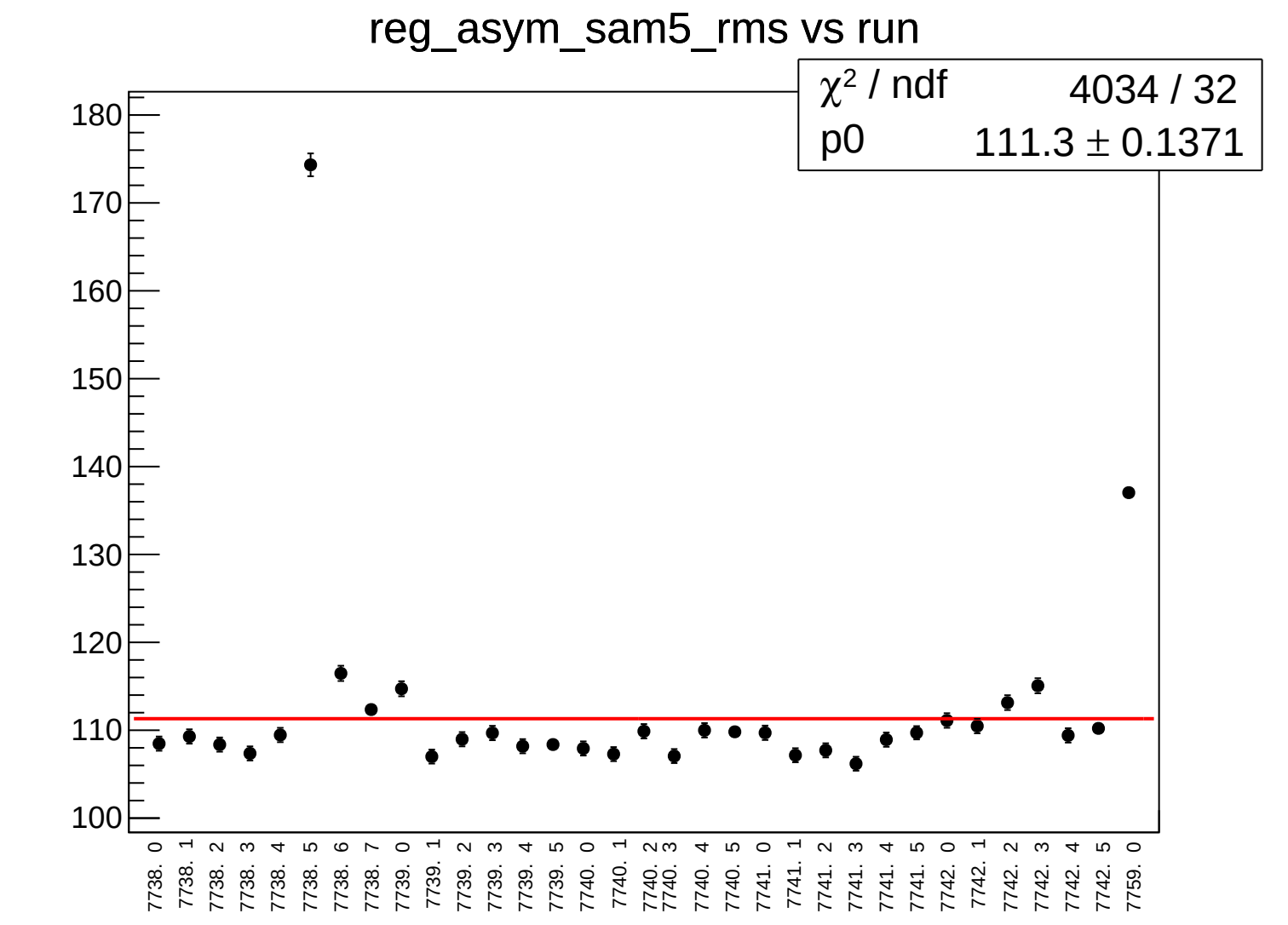

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.498e+04 / 32
p0 200.1 ± 0.2506
1000
900
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

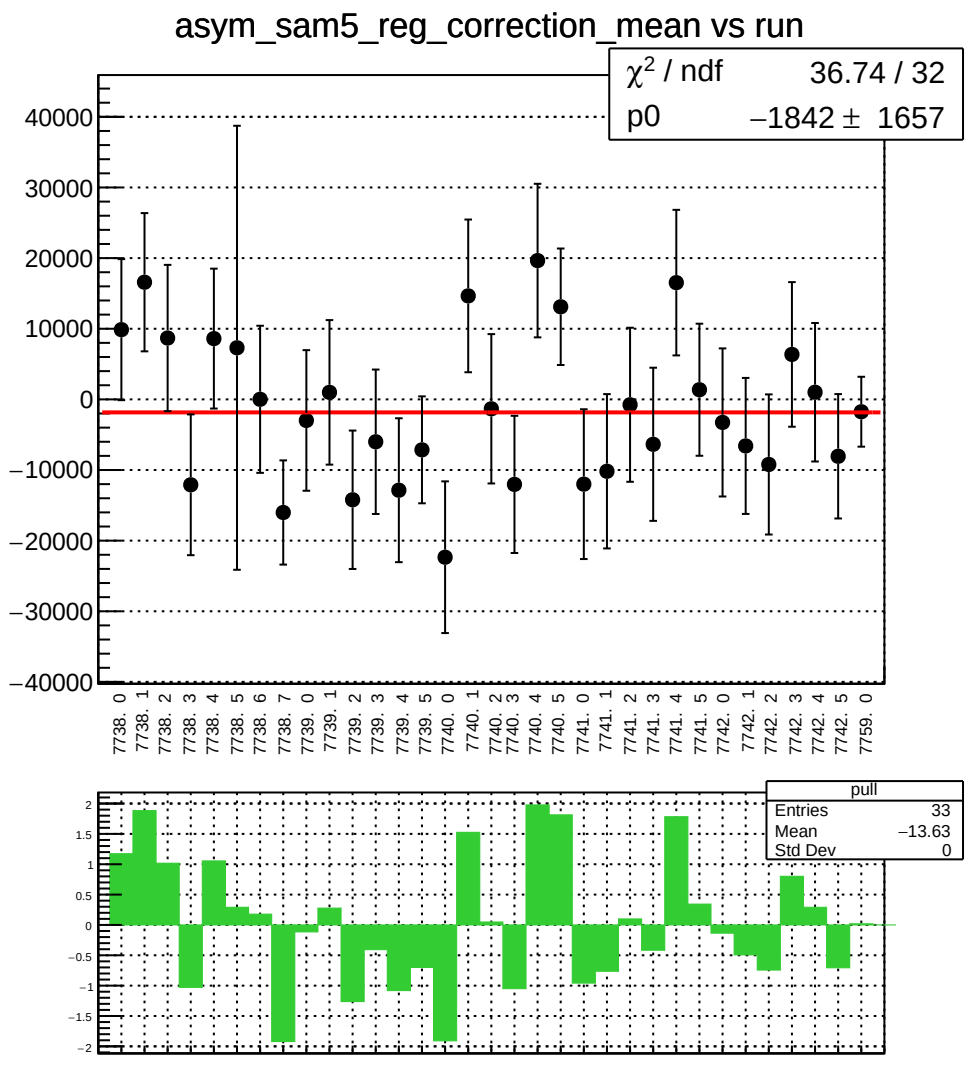

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.42 / 32
p0 −5.034e−13 ± 6.113e−13
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.28
Std Dev 22.04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1007
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

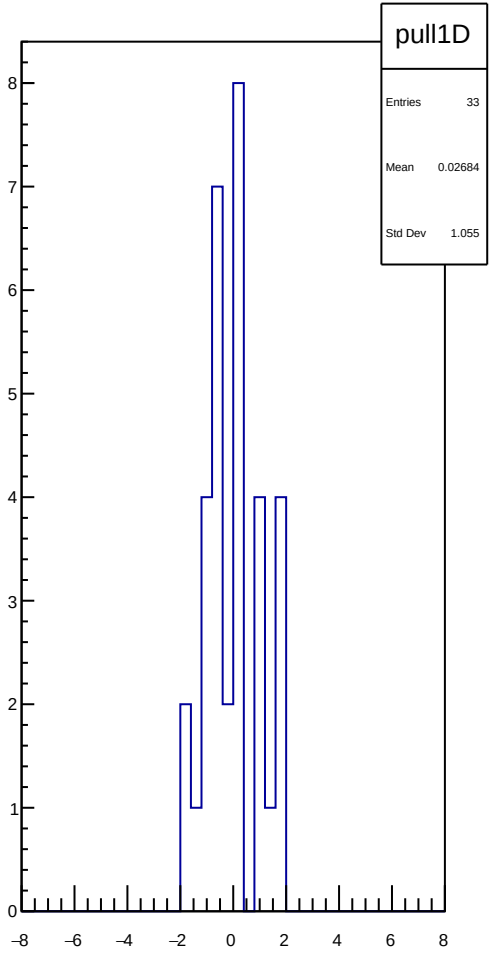

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.261e+05 / 32
p0 2.508e−10 ± 4.323e−13
3
2.5
2
1.5
1
0.5
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

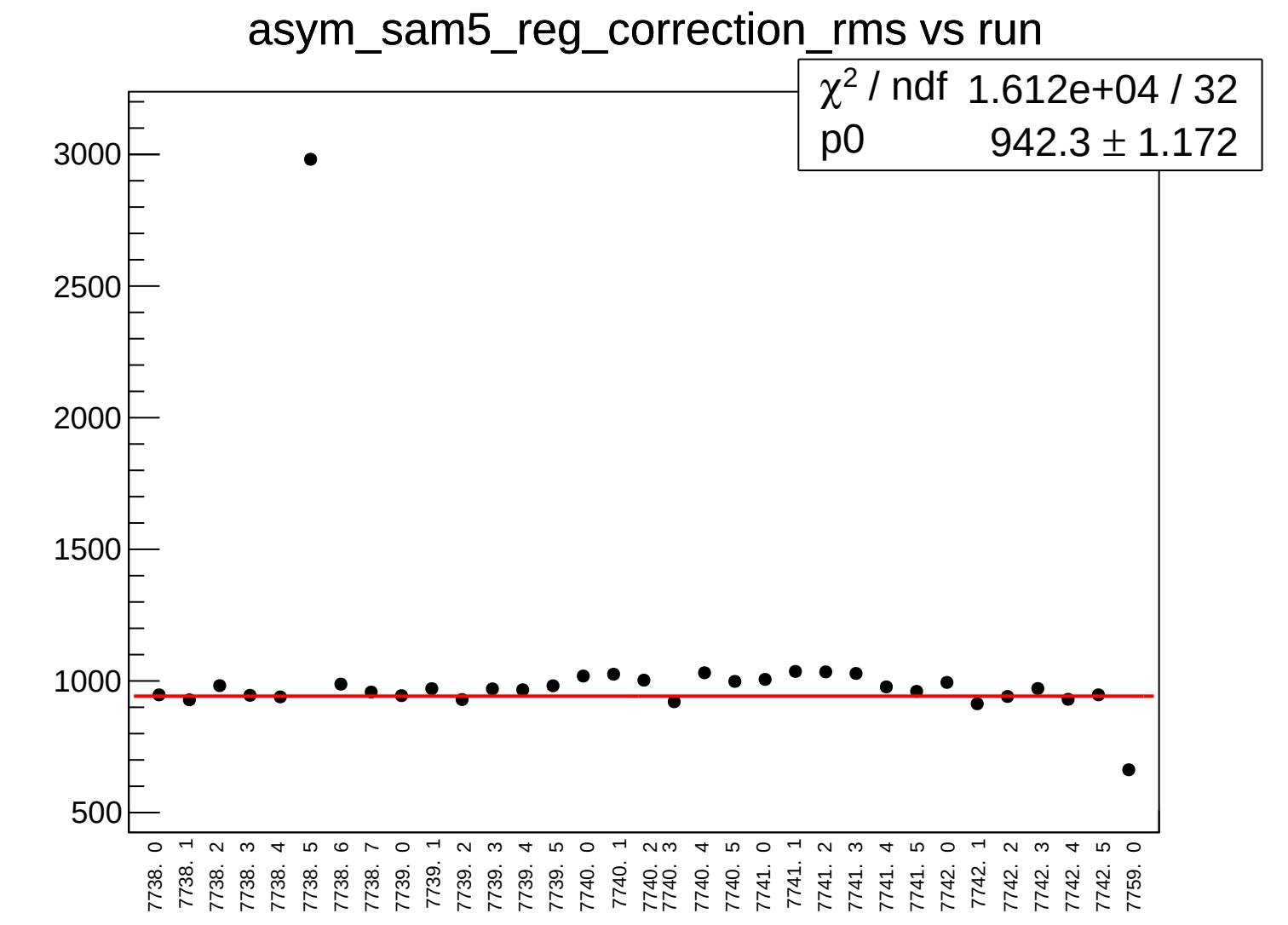

reg_asym_sam5_mean vs run
χ² / ndf 31.77 / 32
p0 −150.3 ± 194
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.324
Std Dev 22.8
3
2
1
0
−1

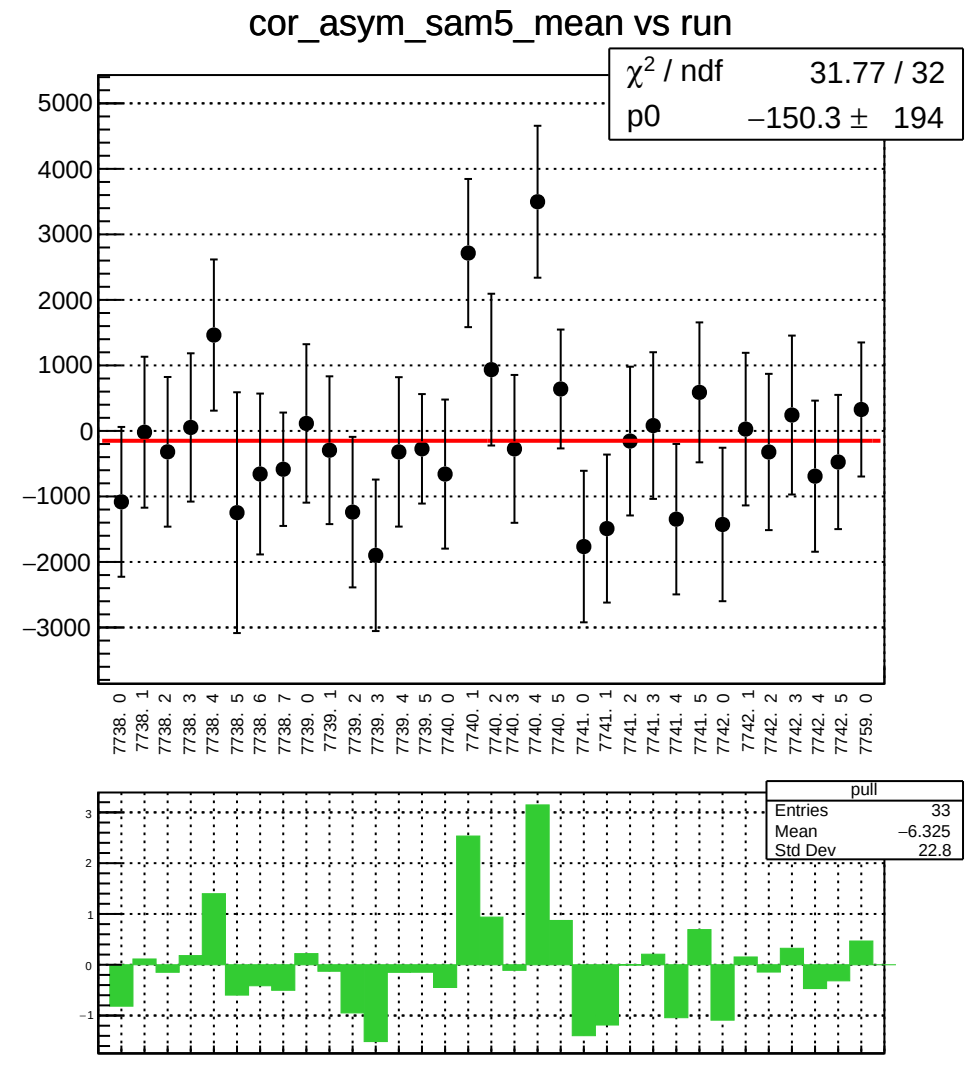

pull1D
Entries 33
Mean −0.009728
Std Dev 0.9812
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

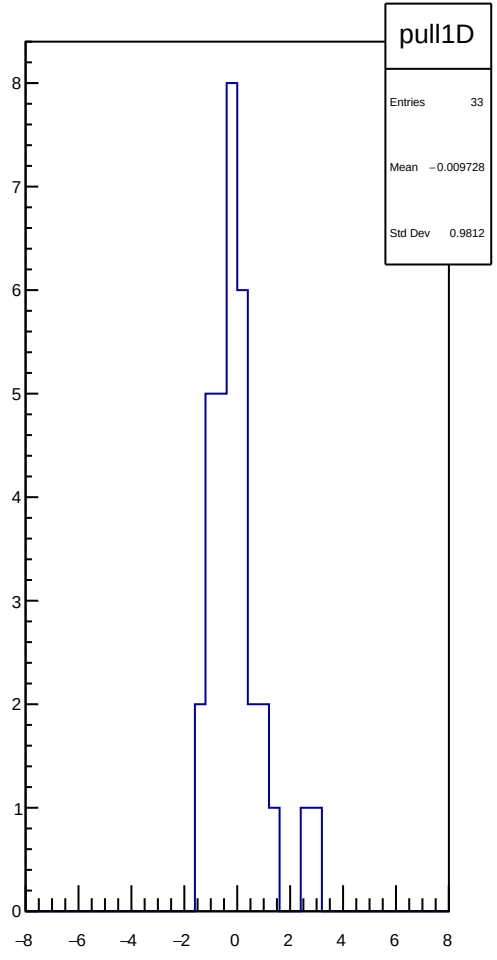

reg_asym_sam5_rms vs run
χ² / ndf 4034 / 32
p0 111.3 ± 0.1371
180
170
160
150
140
130
120
110
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

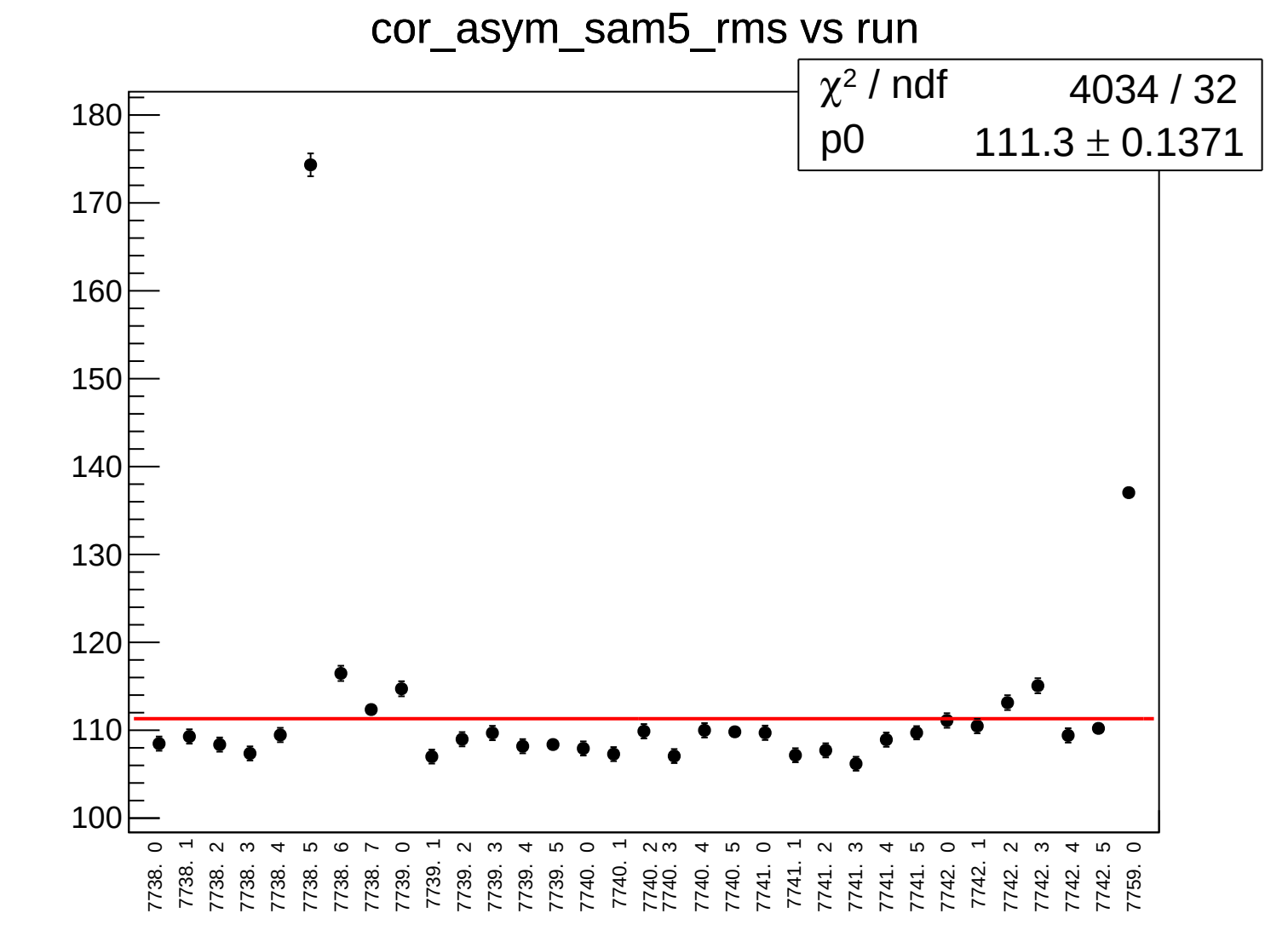

asym_sam5_reg_correction_mean vs run
χ² / ndf 36.74 / 32
p0 −1842 ± 1657
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

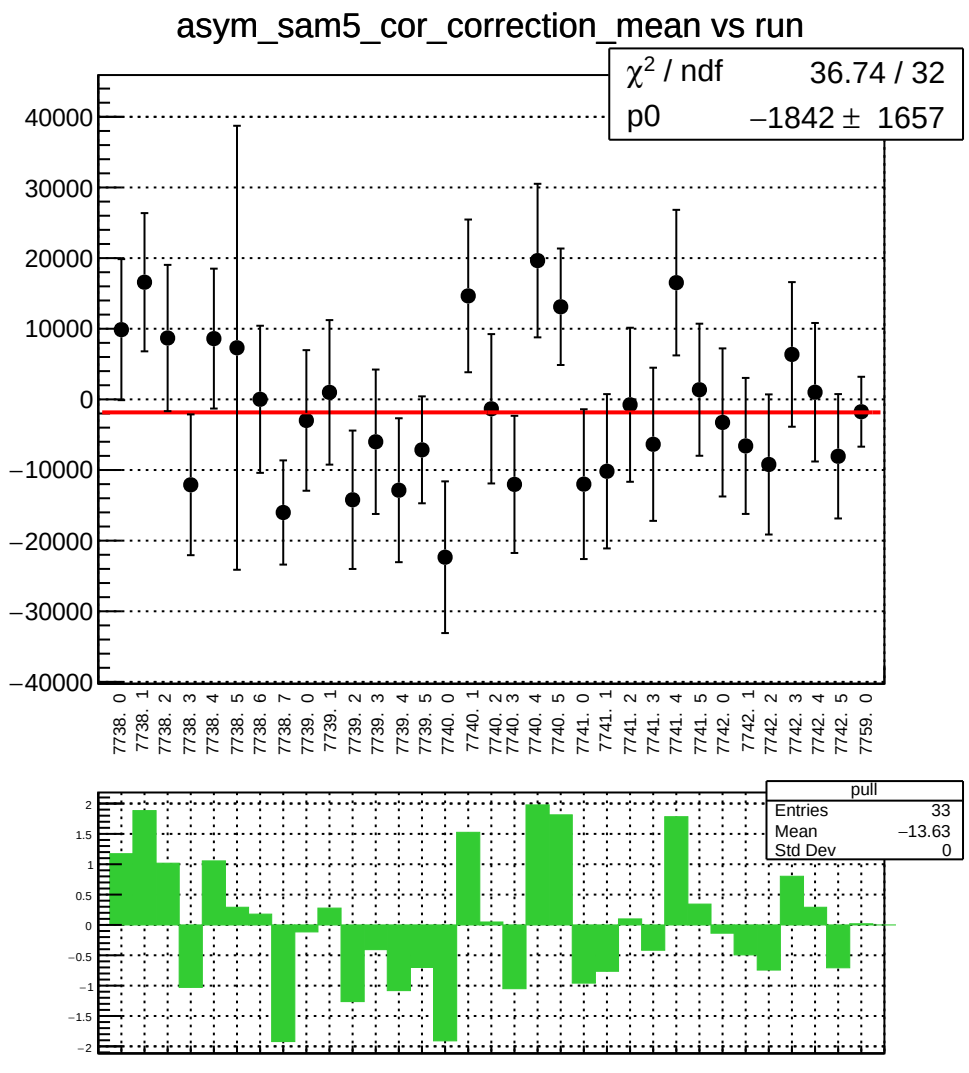

pull1D
Entries 33
Mean 0.02684
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

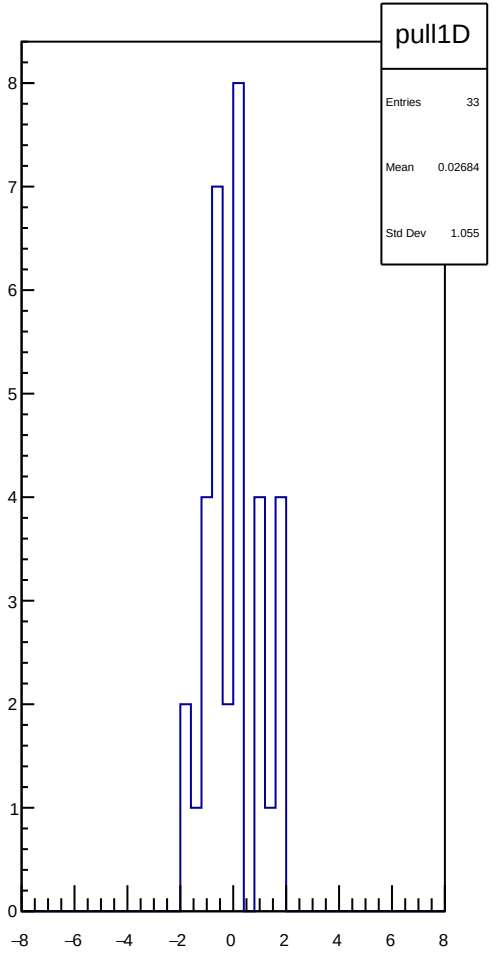

asym_sam5_reg_correction_rms vs run
χ² / ndf 1.612e+04 / 32
p0 942.3 ± 1.172
3000
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

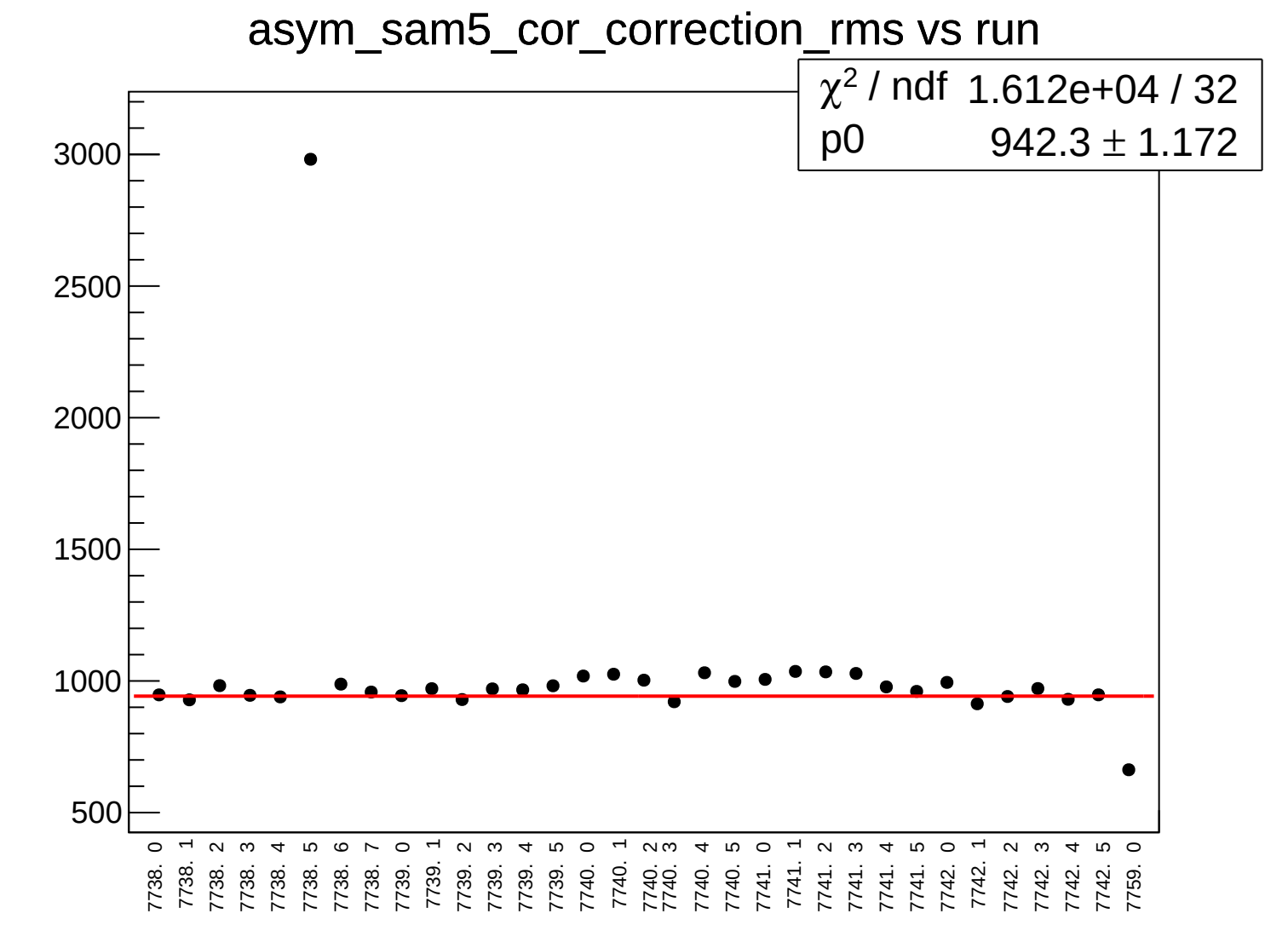

cor_asym_sam5_mean vs run
χ² / ndf 31.77 / 32
p0 −150.3 ± 194
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.325
Std Dev 22.8
3
2
1
0
−1

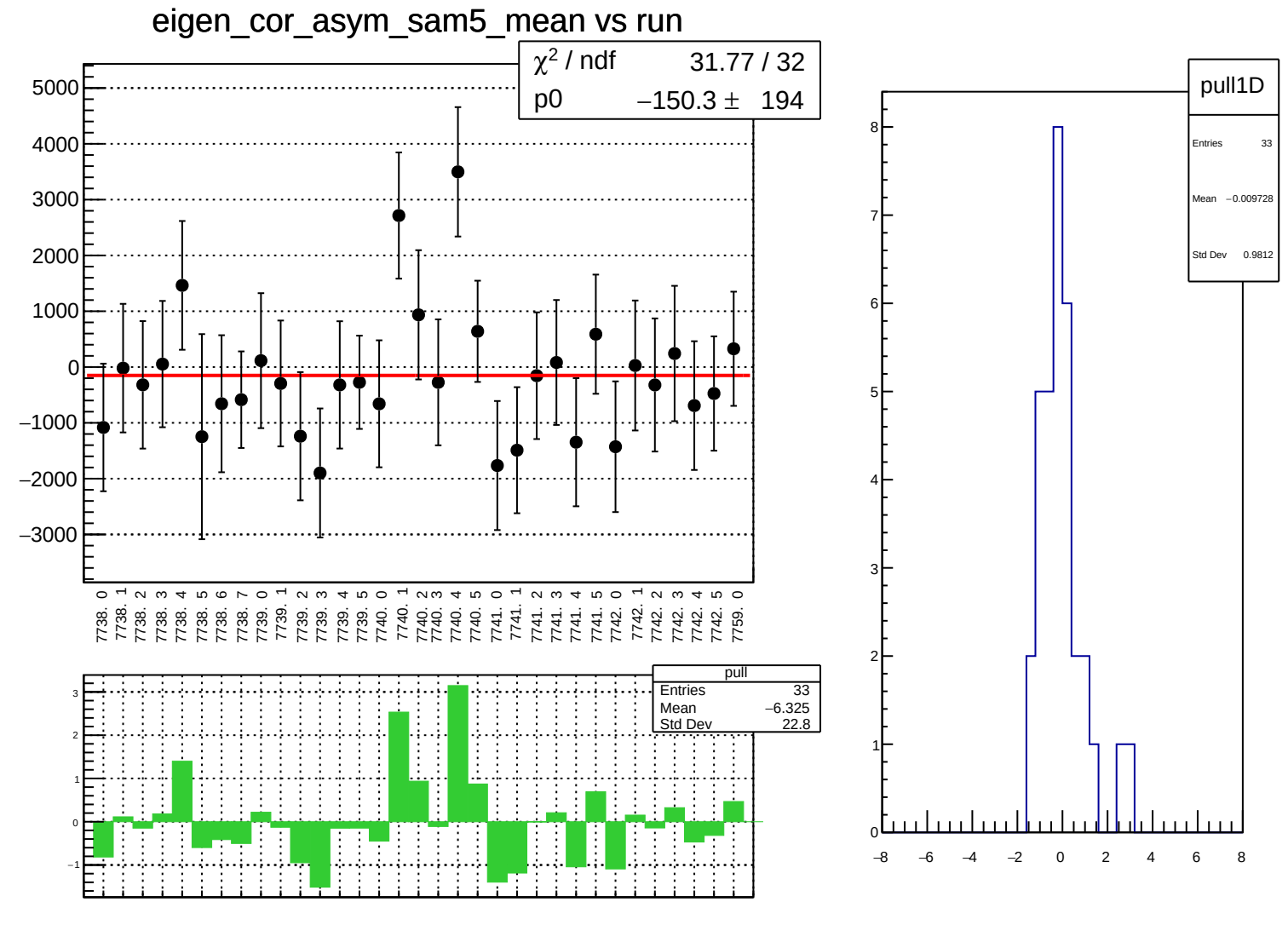

pull1D
Entries 33
Mean −0.009728
Std Dev 0.9812
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

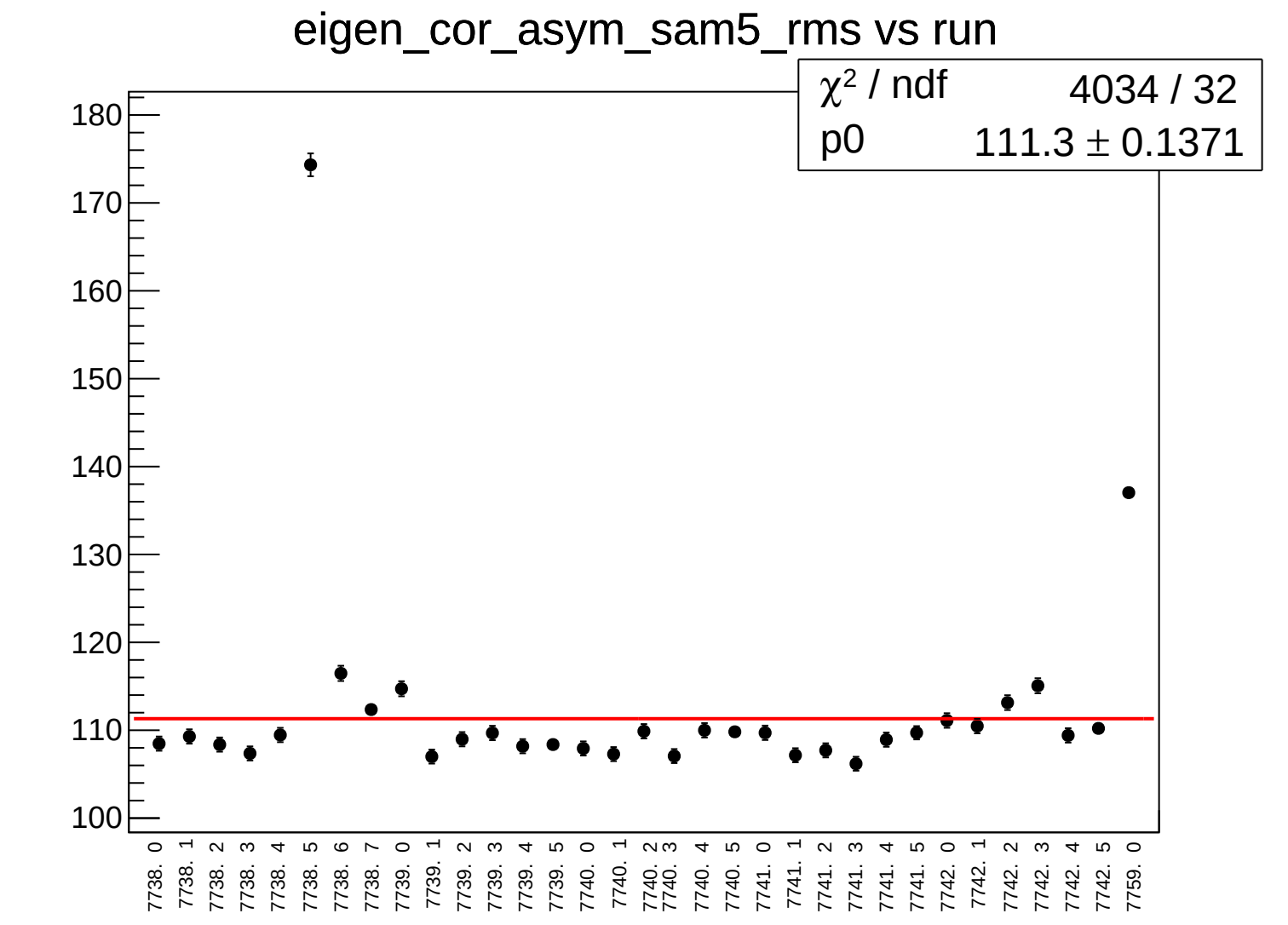

cor_asym_sam5_rms vs run
χ² / ndf 4034 / 32
p0 111.3 ± 0.1371
180
170
160
150
140
130
120
110
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam5_cor_correction_mean vs run
χ² / ndf 36.74 / 32
p0 −1842 ± 1657
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.02684
Std Dev 1.055
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 1.612e+04 / 32
p0 942.3 ± 1.172
3000
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_cor_asym_sam5_mean vs run
χ² / ndf 31.77 / 32
p0 −150.3 ± 194
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.325
Std Dev 22.8
pull1D
Entries 33
Mean −0.009728
Std Dev 0.9812


eigen_cor_asym_sam5_rms vs run
χ² / ndf 4034 / 32
p0 111.3 ± 0.1371
180
170
160
150
140
130
120
110
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
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7739. 0
7739. 1
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7739. 3
7739. 4
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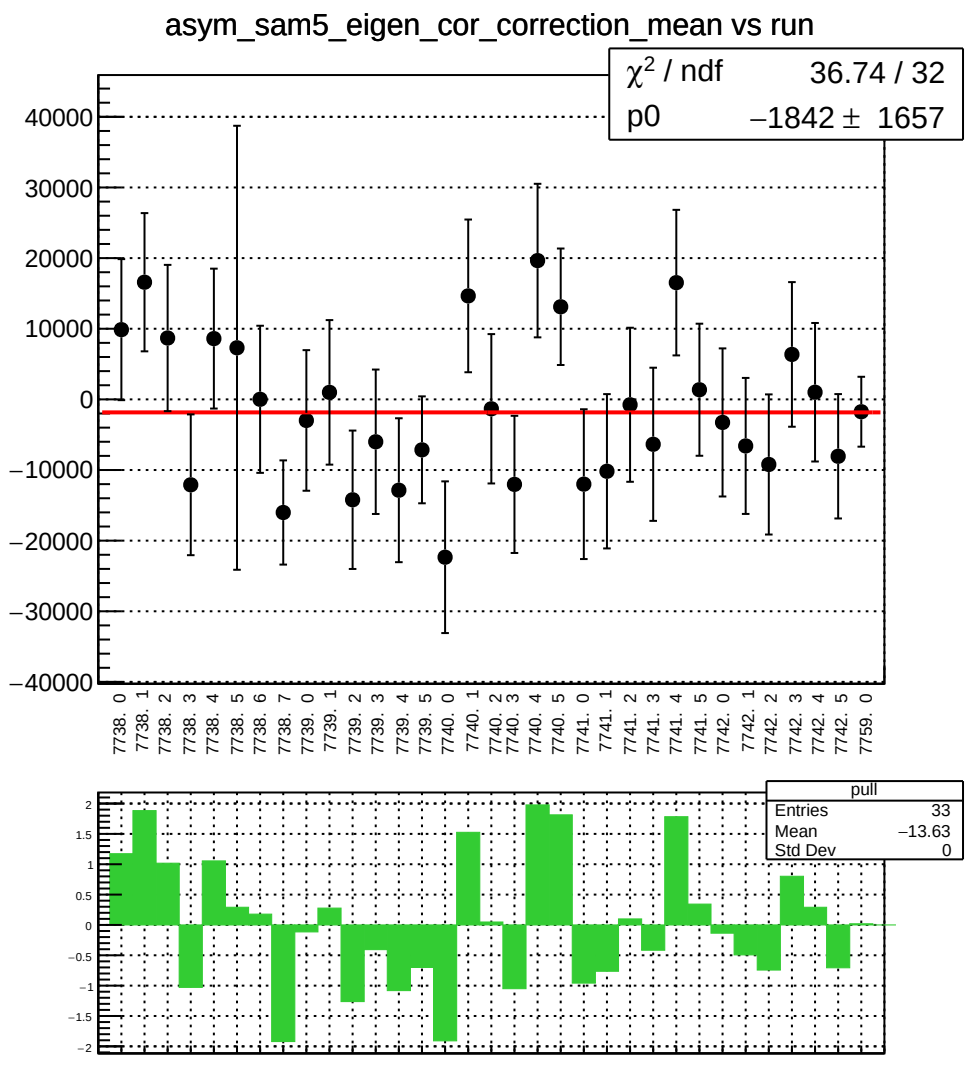
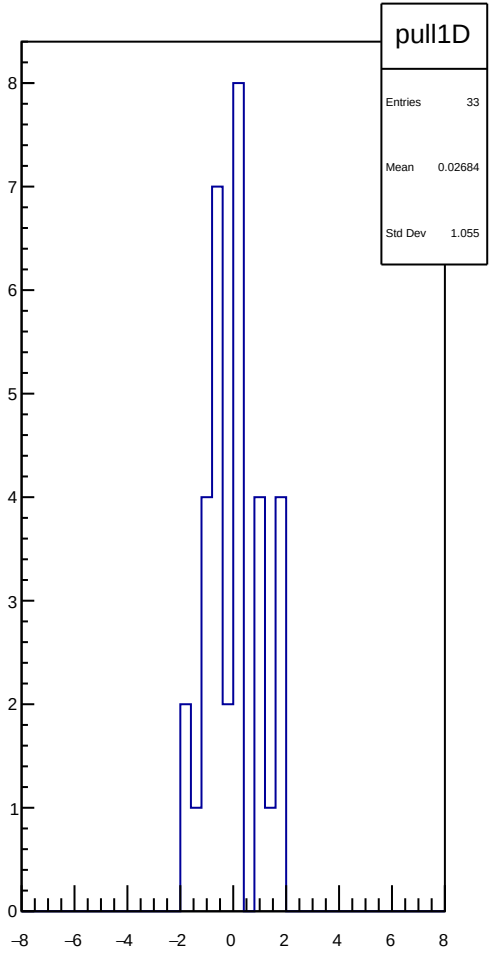
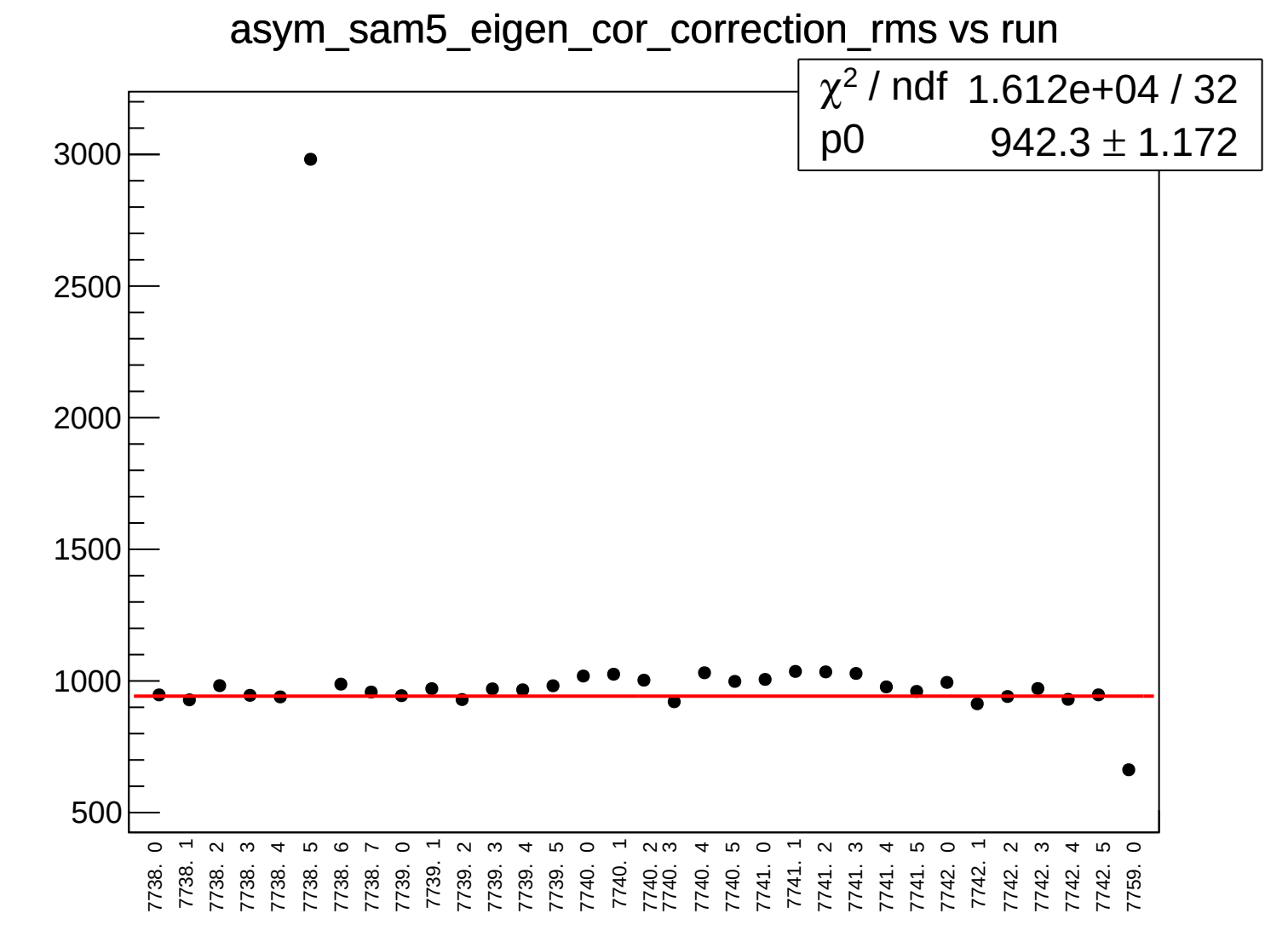
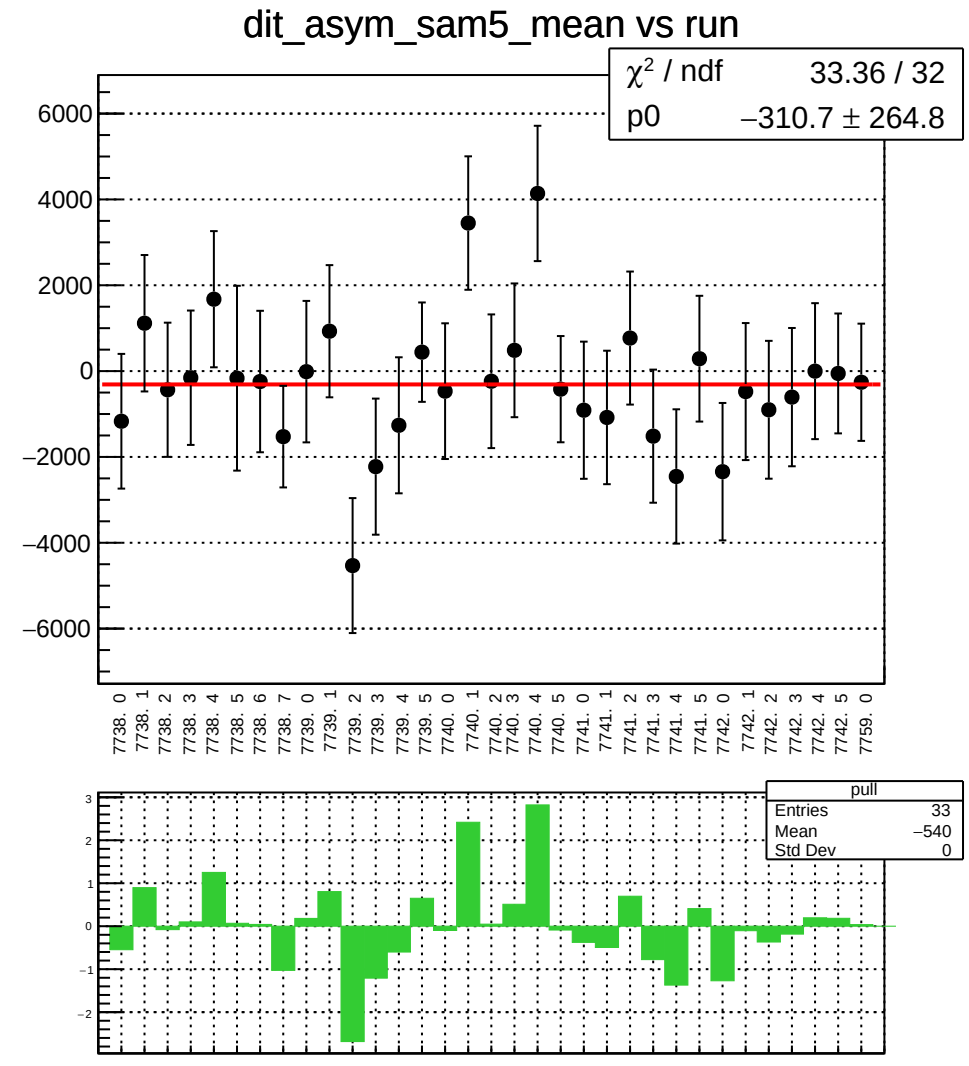
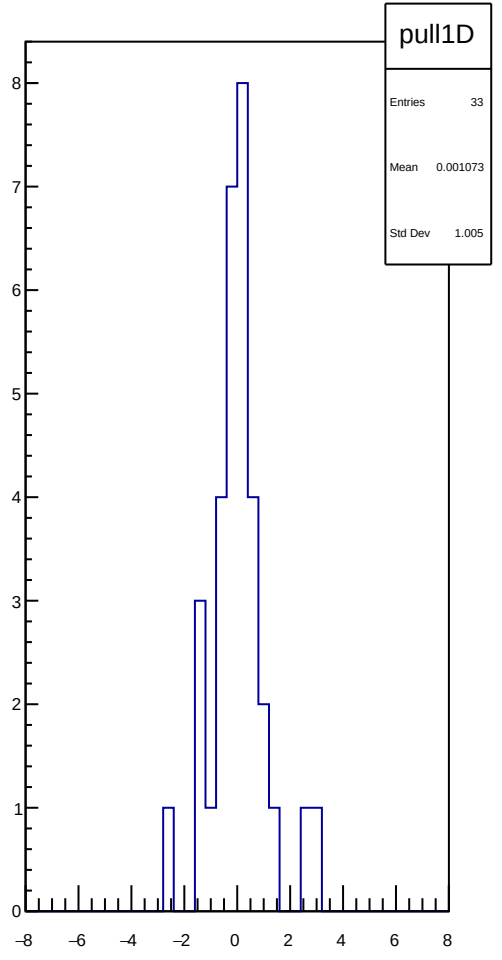
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

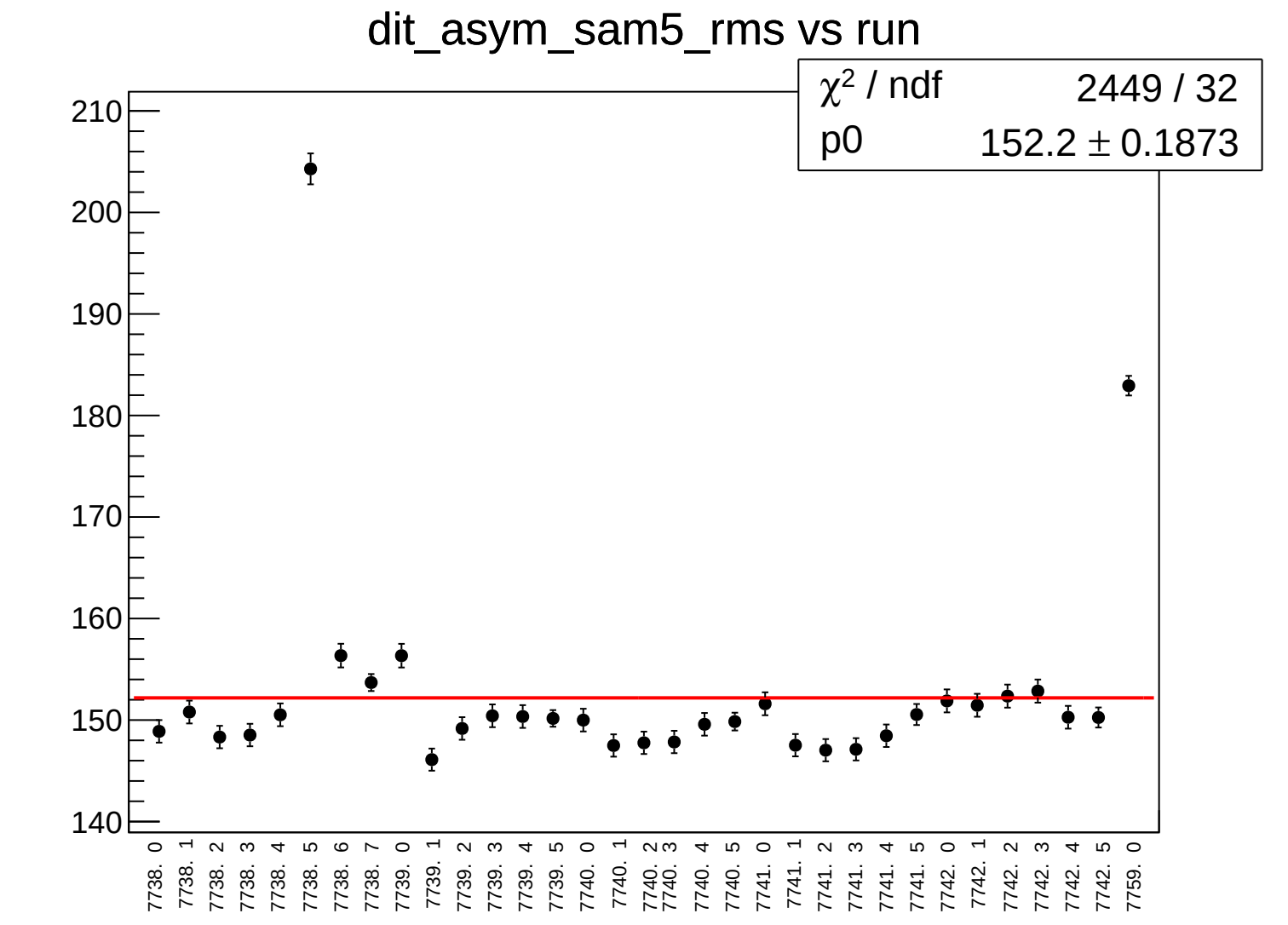

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 36.74 / 32
p0 −1842 ± 1657
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

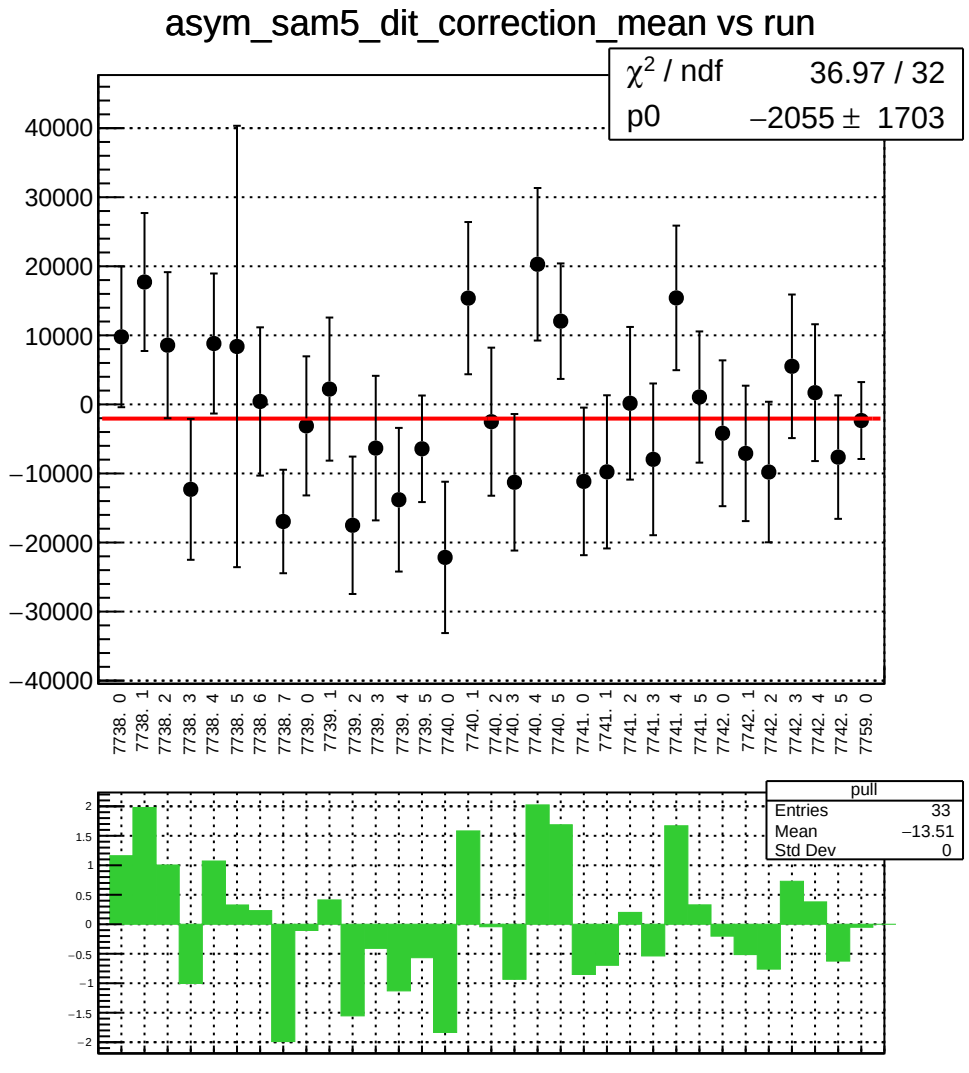

pull1D
Entries 33
Mean 0.02684
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

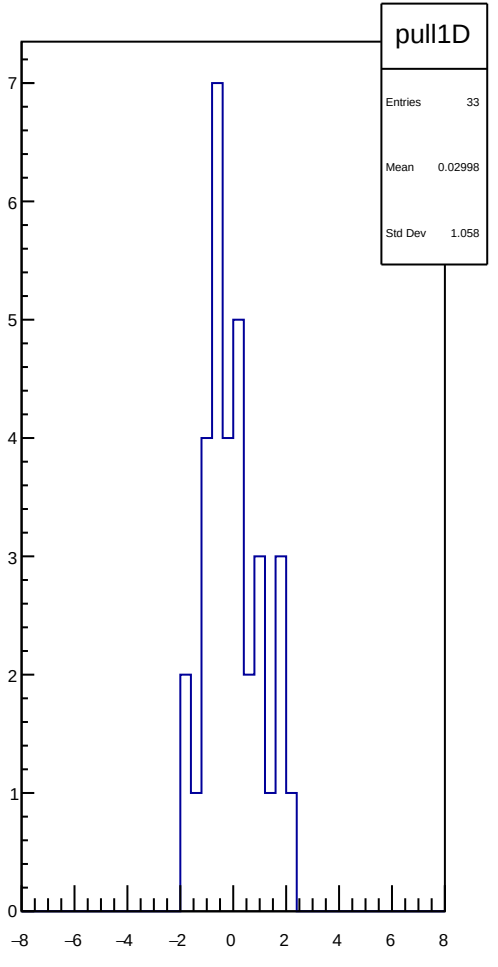

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 1.612e+04 / 32
p0 942.3 ± 1.172
3000
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

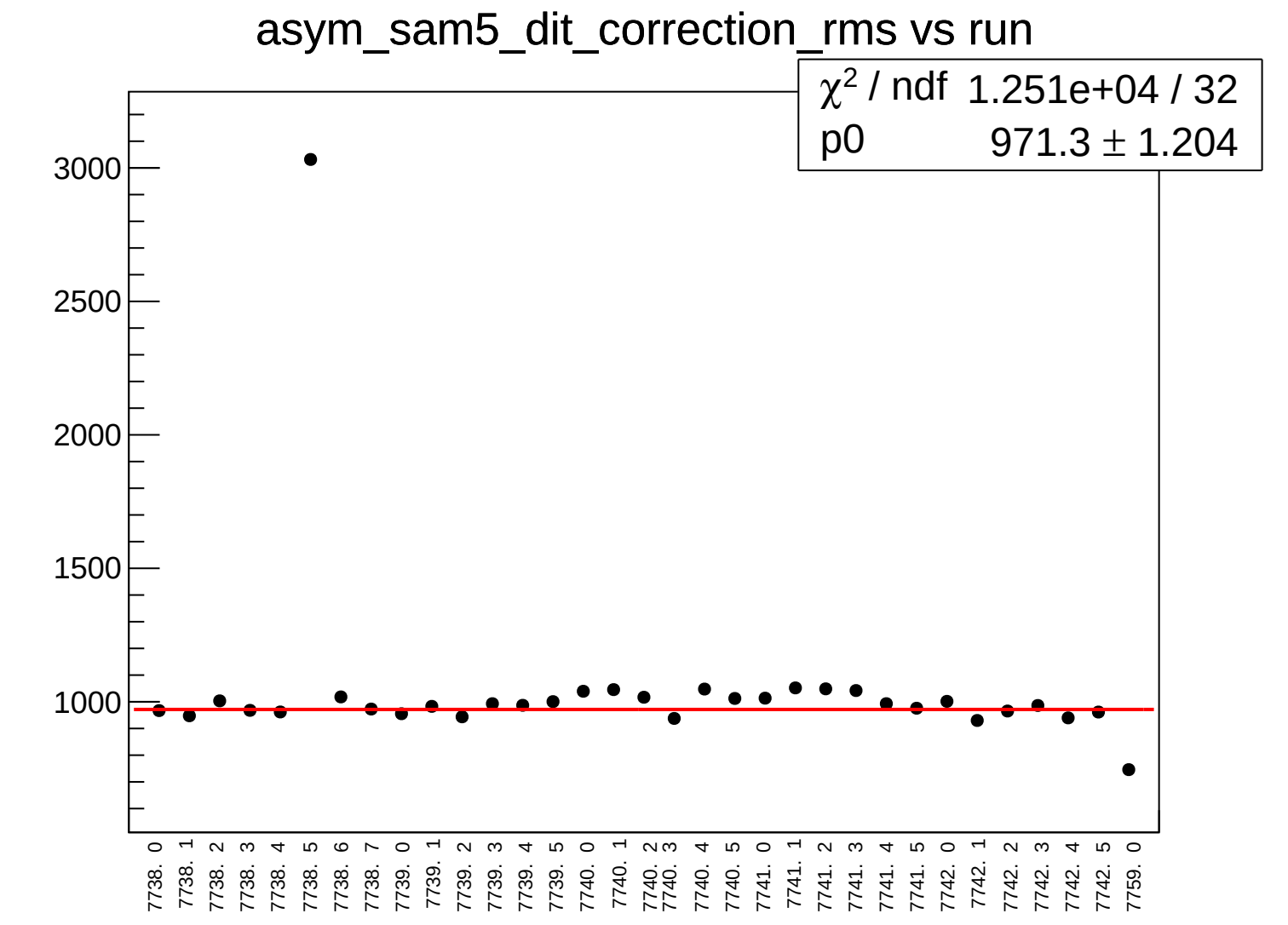

dit_asym_sam5_mean vs run
χ² / ndf 33.36 / 32
p0 −310.7 ± 264.8
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −540
Std Dev 0
3
2
1
0
−1
−2

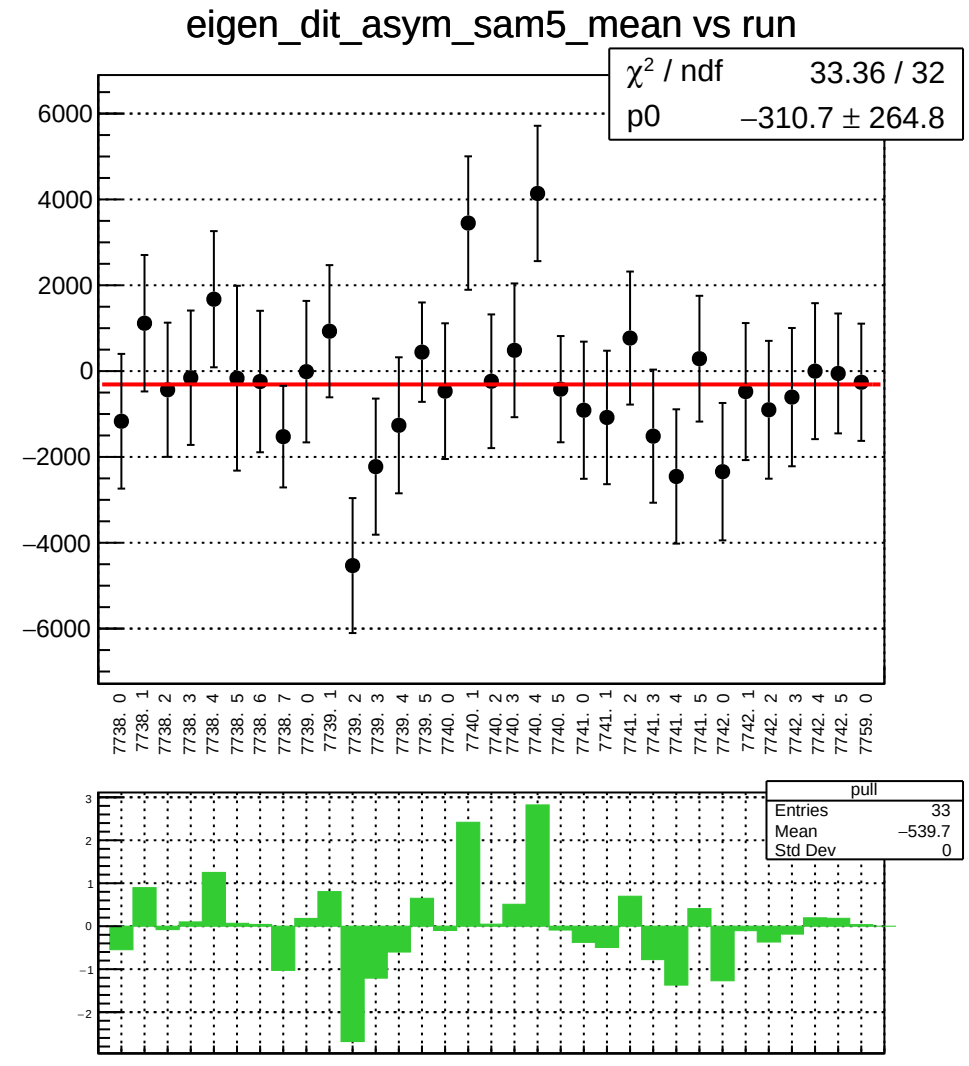

pull1D
Entries 33
Mean 0.001073
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

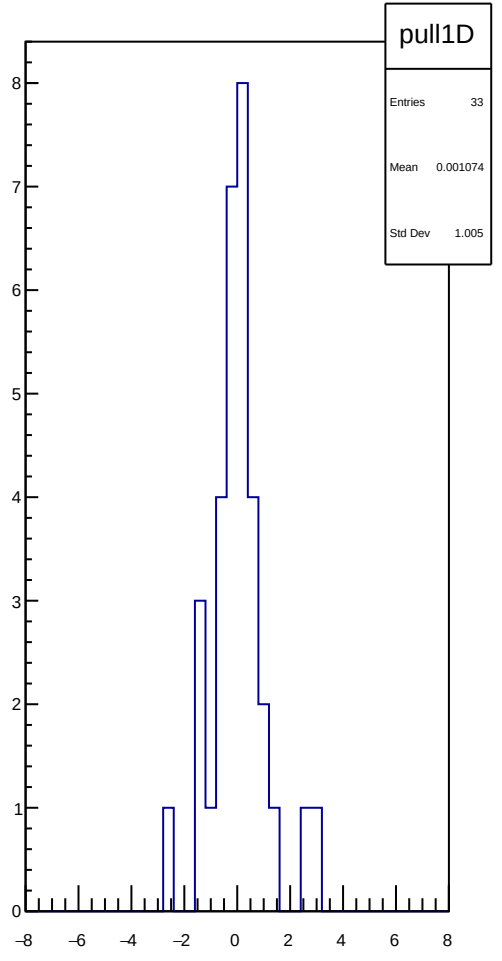

dit_asym_sam5_rms vs run
χ² / ndf 2449 / 32
p0 152.2 ± 0.1873
210
200
190
180
170
160
150
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

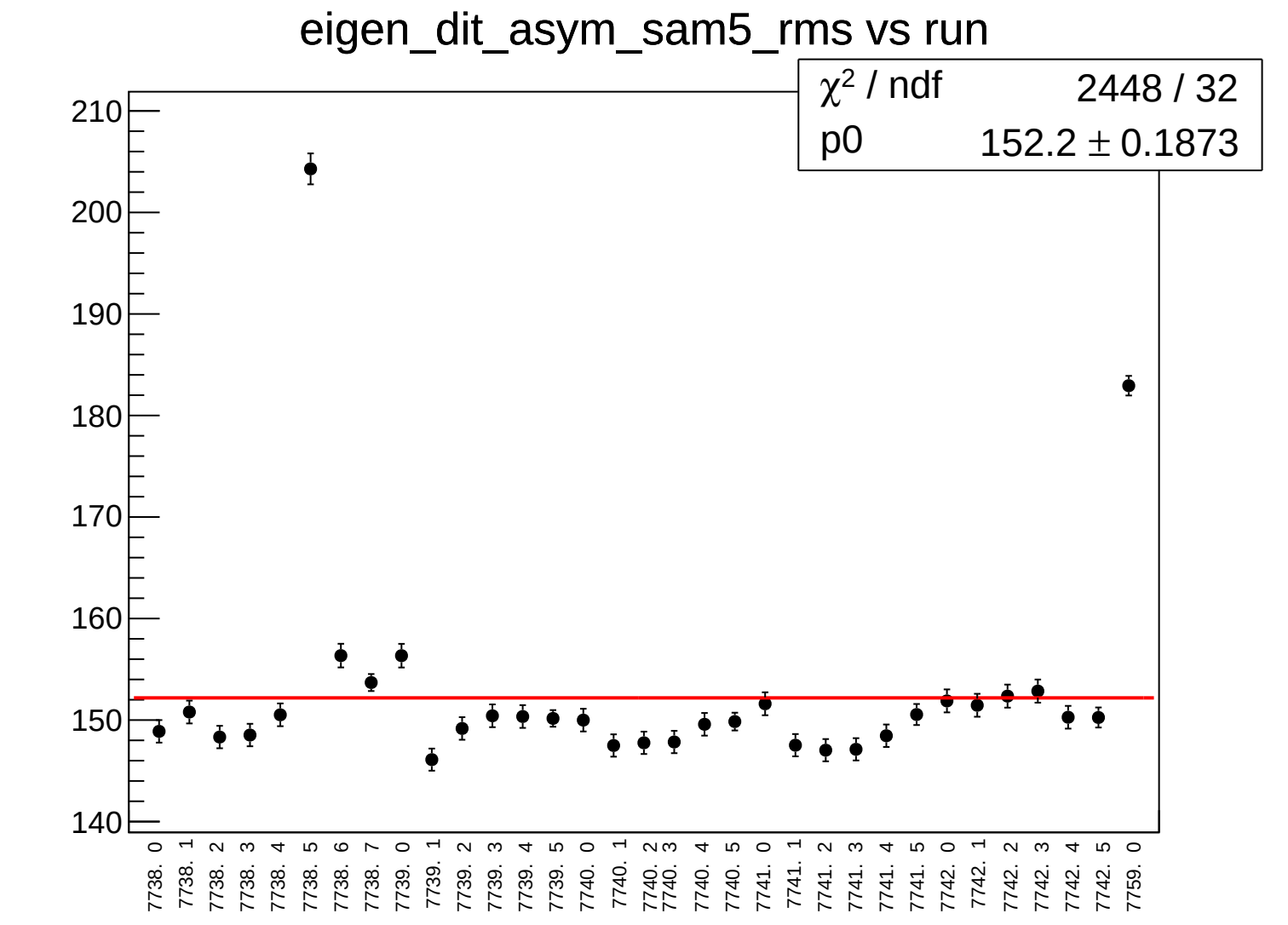

asym_sam5_dit_correction_mean vs run
χ² / ndf 36.97 / 32
p0 −2055 ± 1703
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

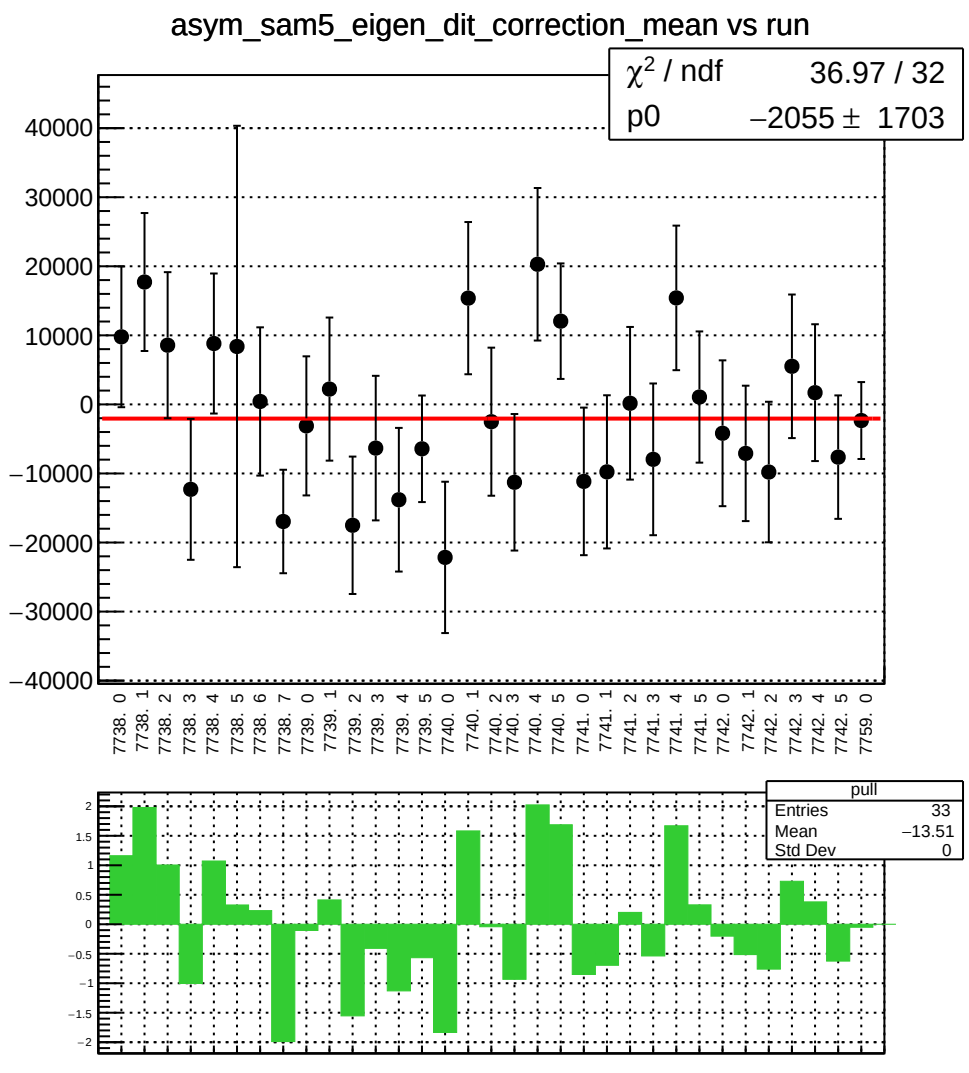

pull1D
Entries 33
Mean 0.02998
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

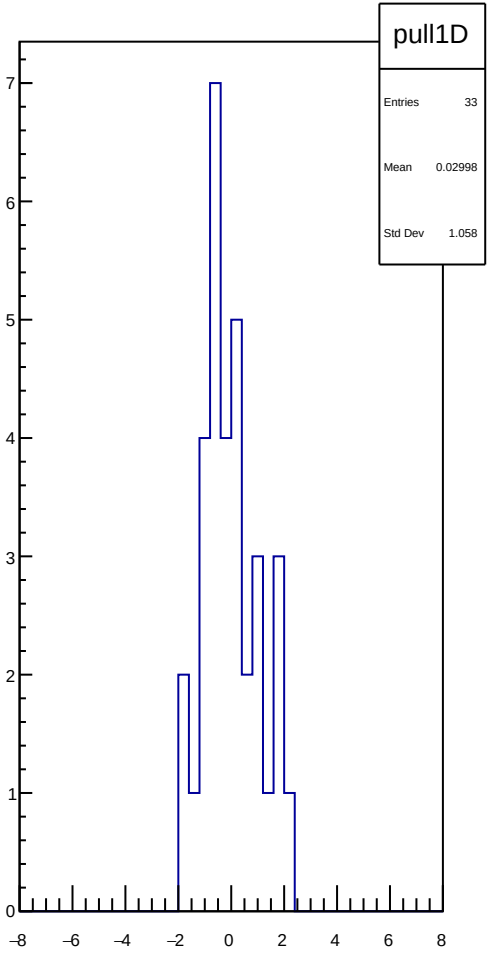

asym_sam5_dit_correction_rms vs run
χ² / ndf 1.251e+04 / 32
p0 971.3 ± 1.204
3000
2500
2000
1500
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

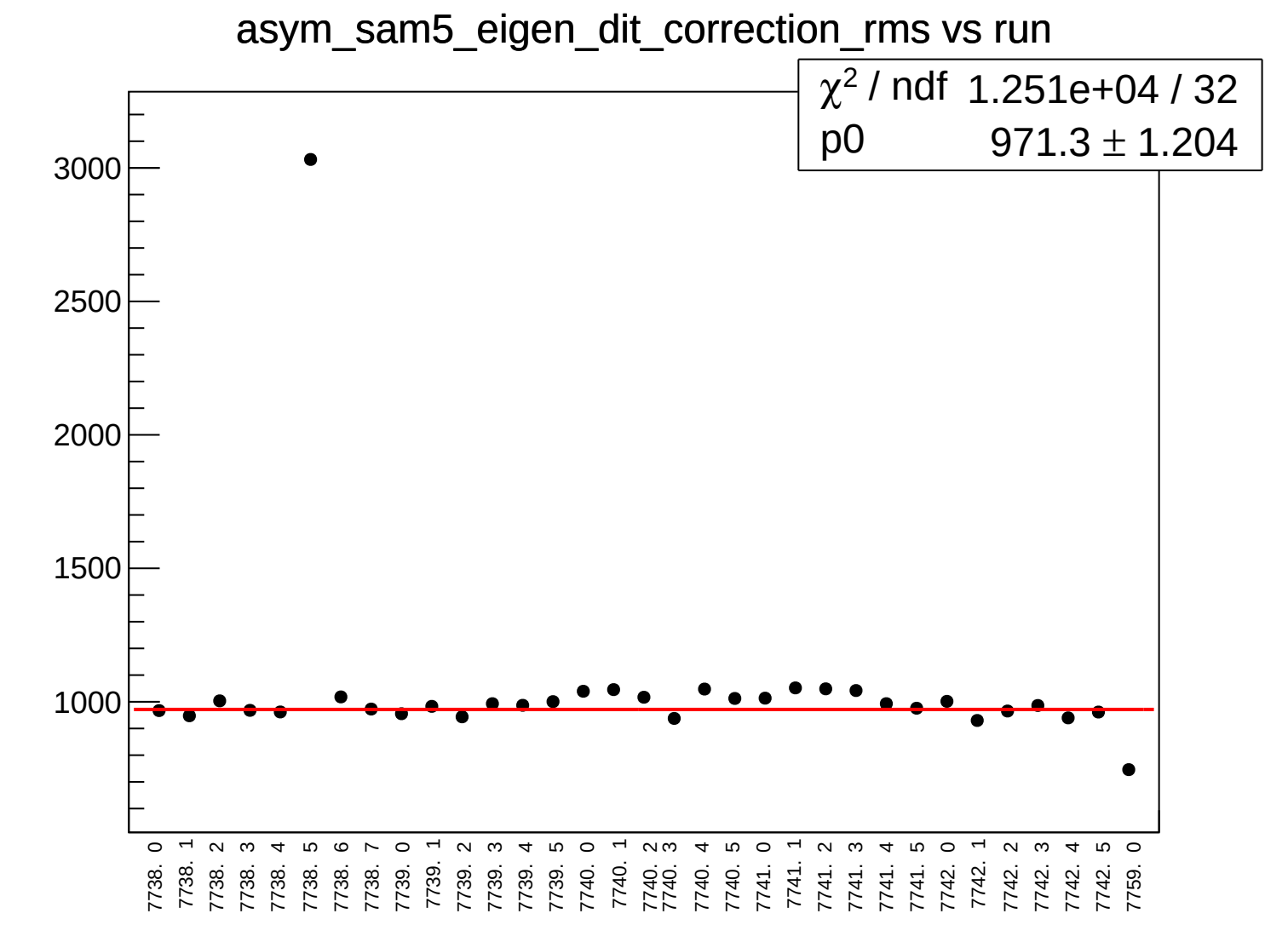

eigen_dit_asym_sam5_mean vs run
χ² / ndf 33.36 / 32
p0 −310.7 ± 264.8
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −539.7
Std Dev 0
3
2
1
0
−1
−2

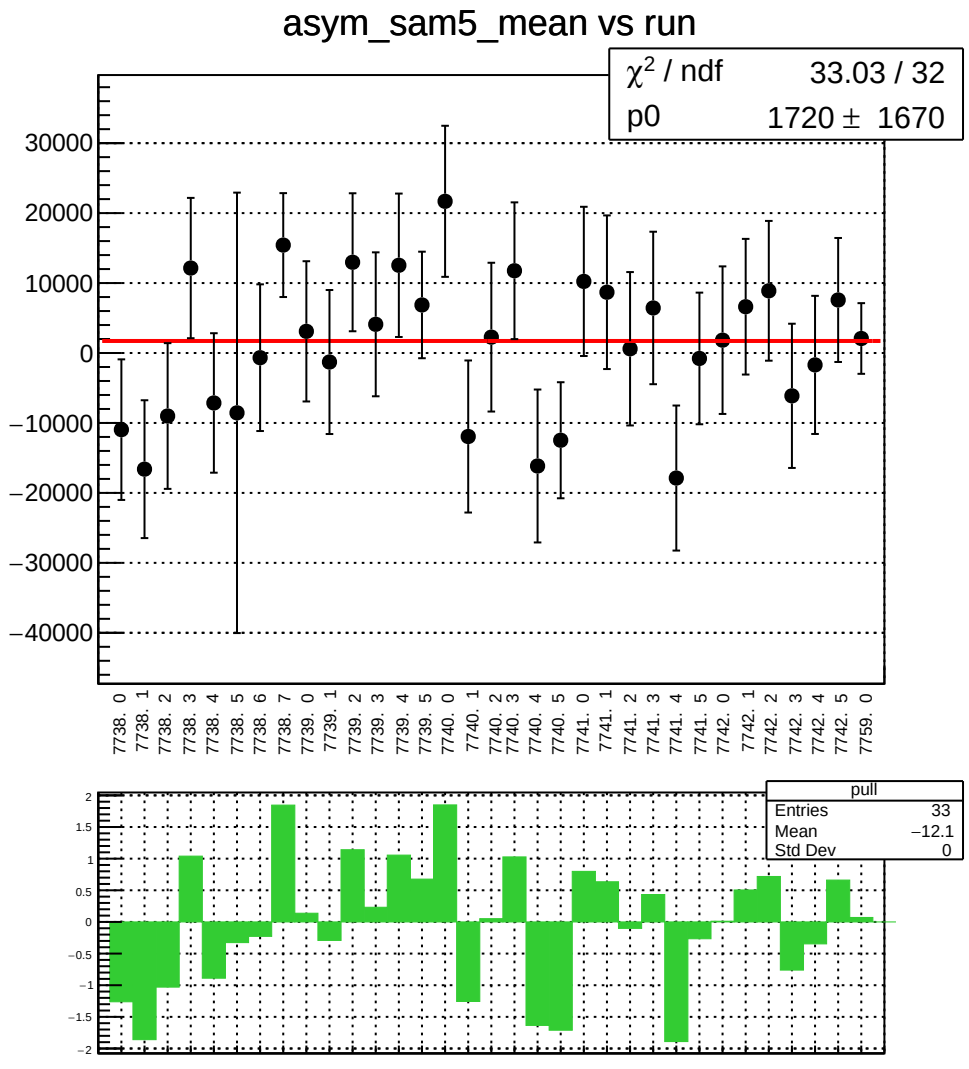

pull1D
Entries 33
Mean 0.001074
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

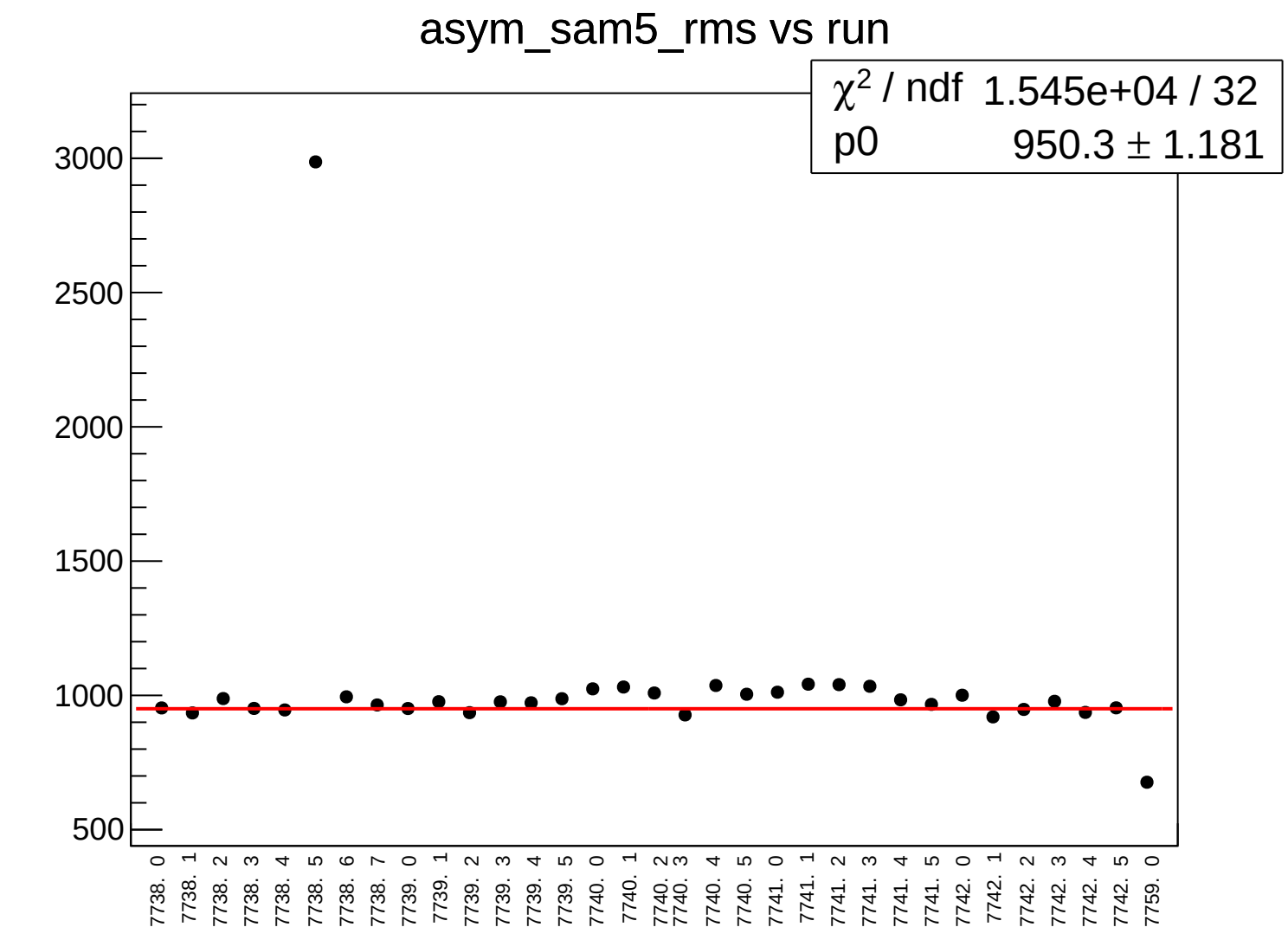

eigen_dit_asym_sam5_rms vs run
χ² / ndf 2448 / 32
p0 152.2 ± 0.1873
210
200
190
180
170
160
150
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

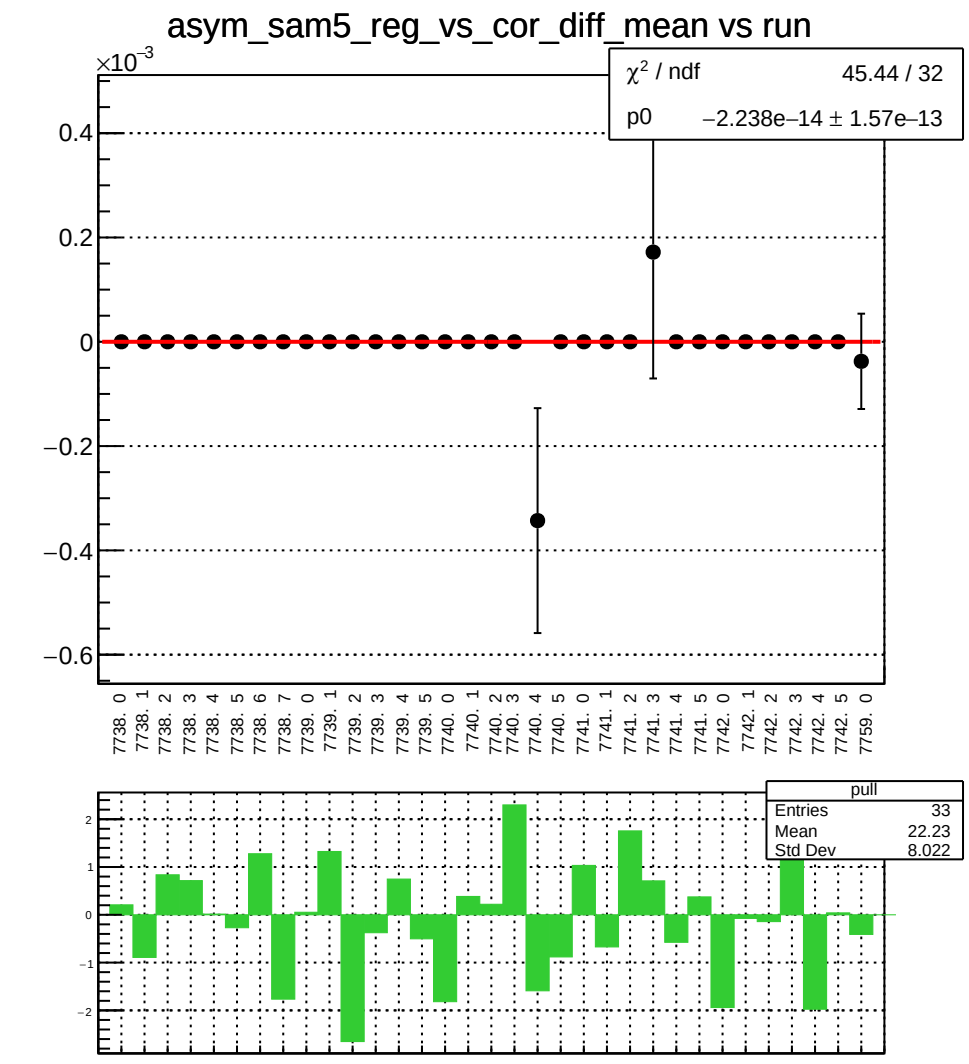

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 36.97 / 32
p0 −2055 ± 1703
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

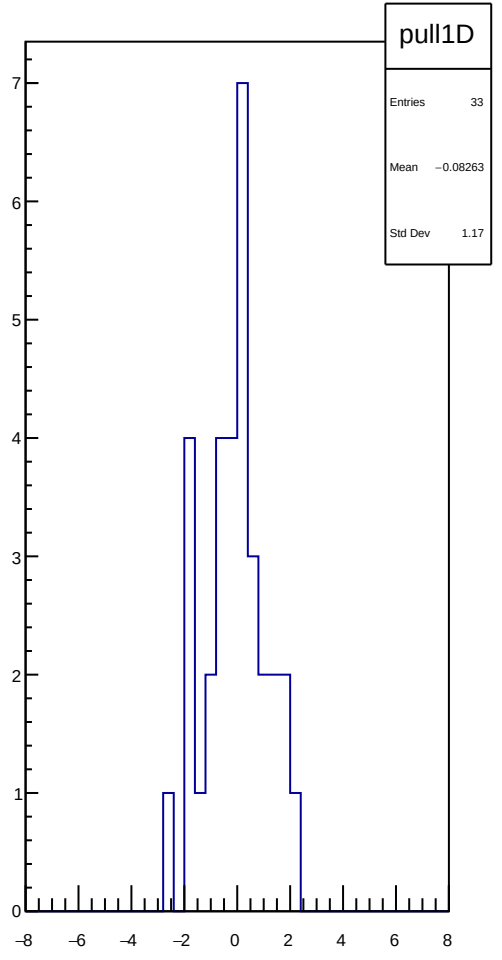

pull1D
Entries 33
Mean 0.02998
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

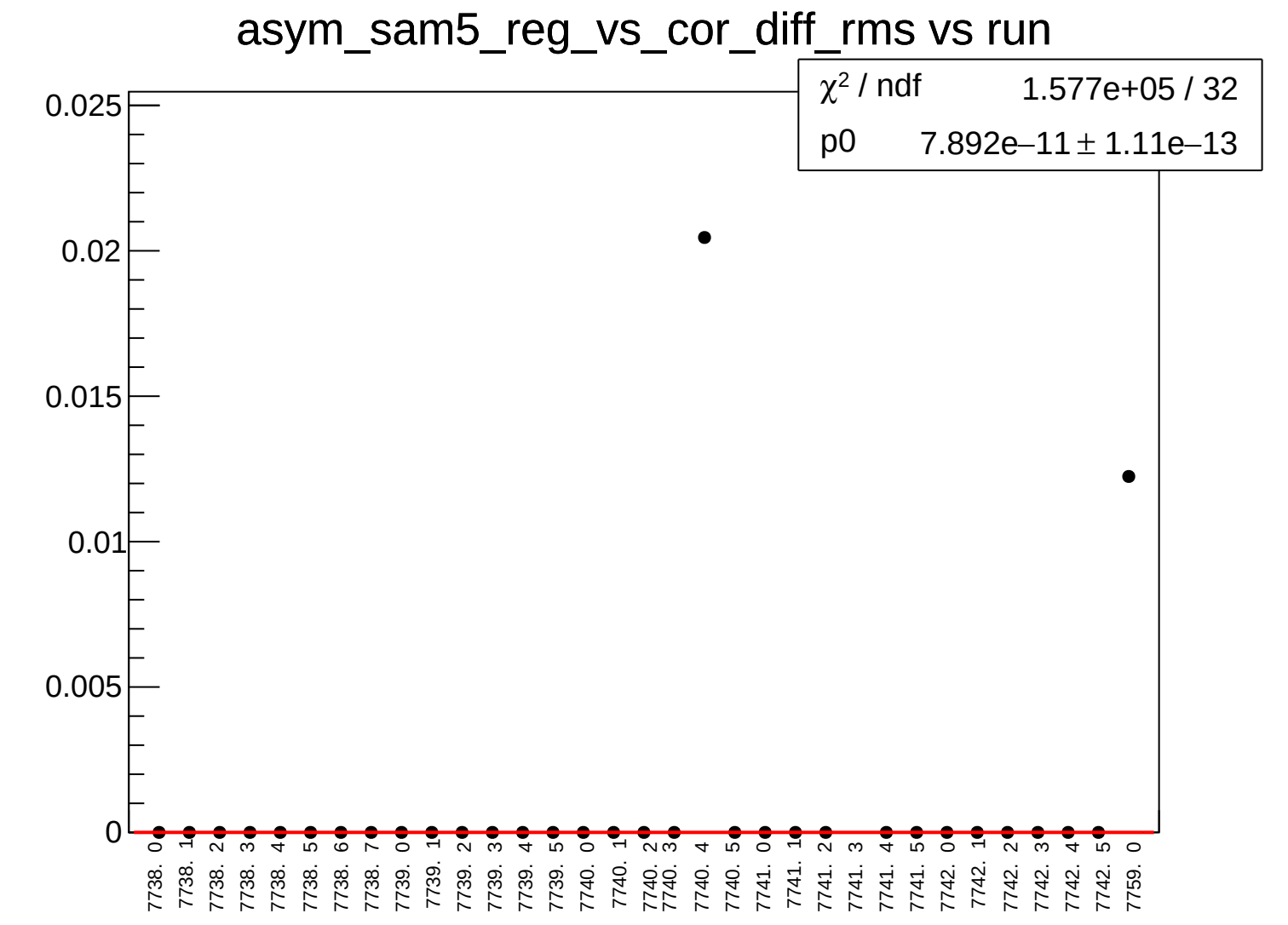

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 1.251e+04 / 32
p0 971.3 ± 1.204
3000
2500
2000
1500
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

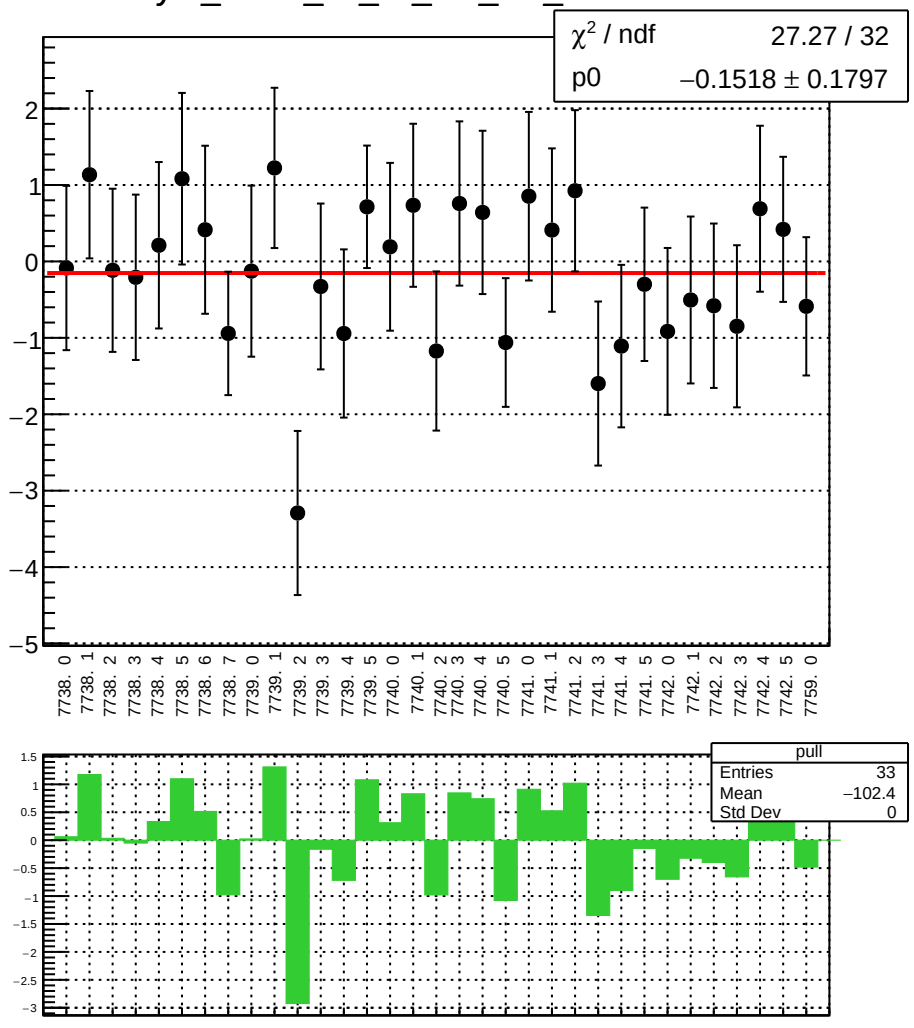

asym_sam5_mean vs run
χ² / ndf 33.03 / 32
p0 1720 ± 1670
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02929
Std Dev 1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

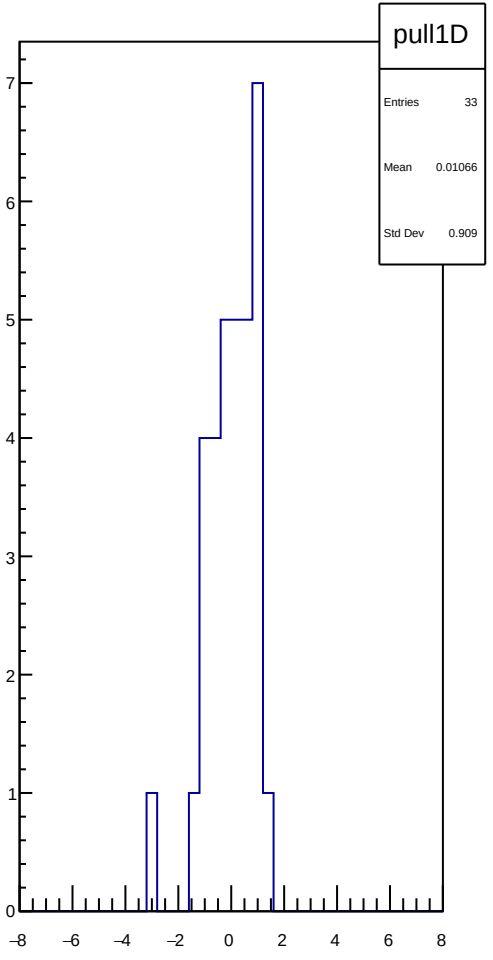

asym_sam5_rms vs run
χ² / ndf 1.545e+04 / 32
p0 950.3 ± 1.181
3000
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

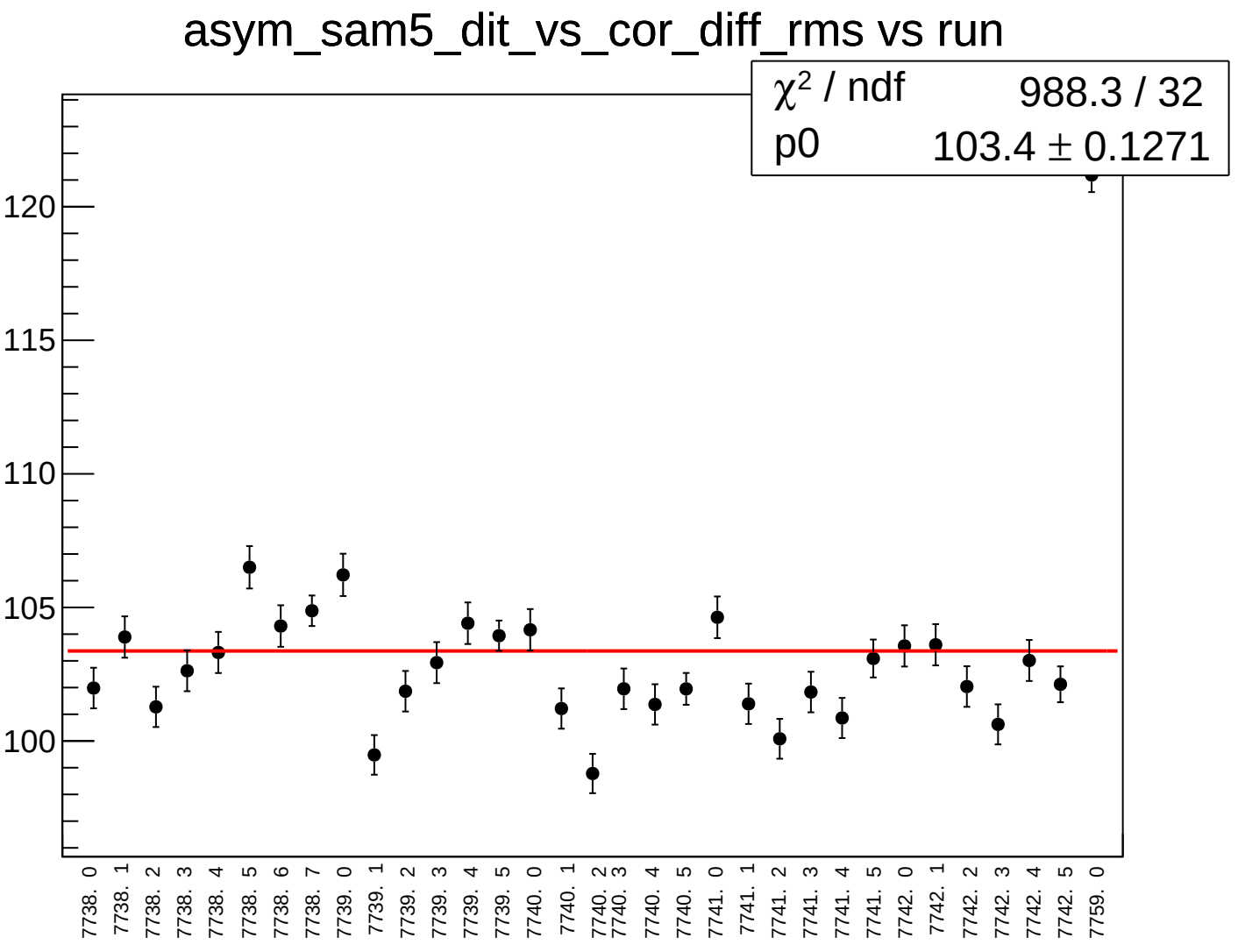

asym_sam5_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 45.44 / 32
p0 −2.238e−14 ± 1.57e−13
0.4
0.2
0
−0.2
−0.4
−0.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.23
Std Dev 8.022
2
1
0
−1
−2

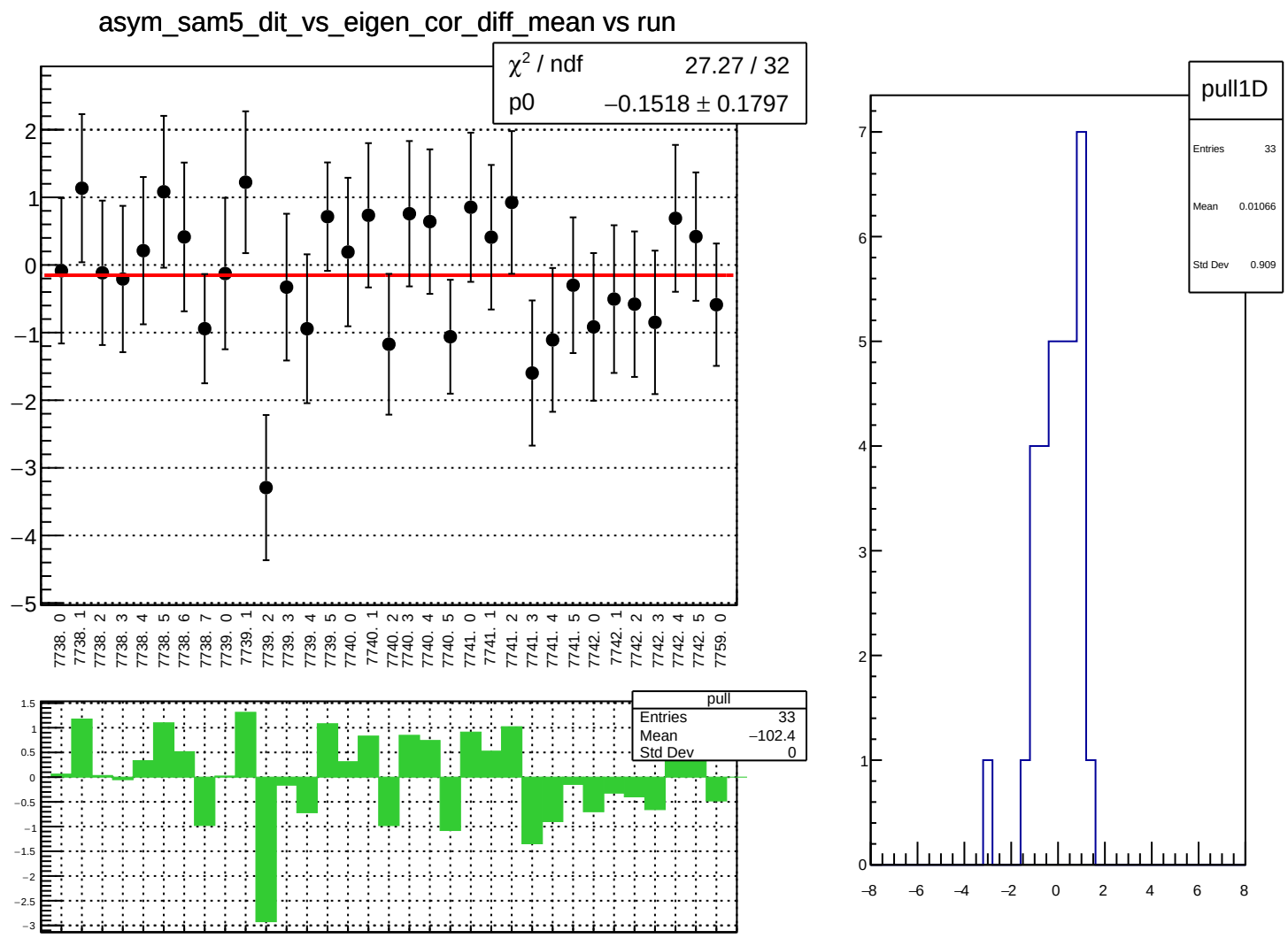

pull1D
Entries 33
Mean −0.08263
Std Dev 1.17
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

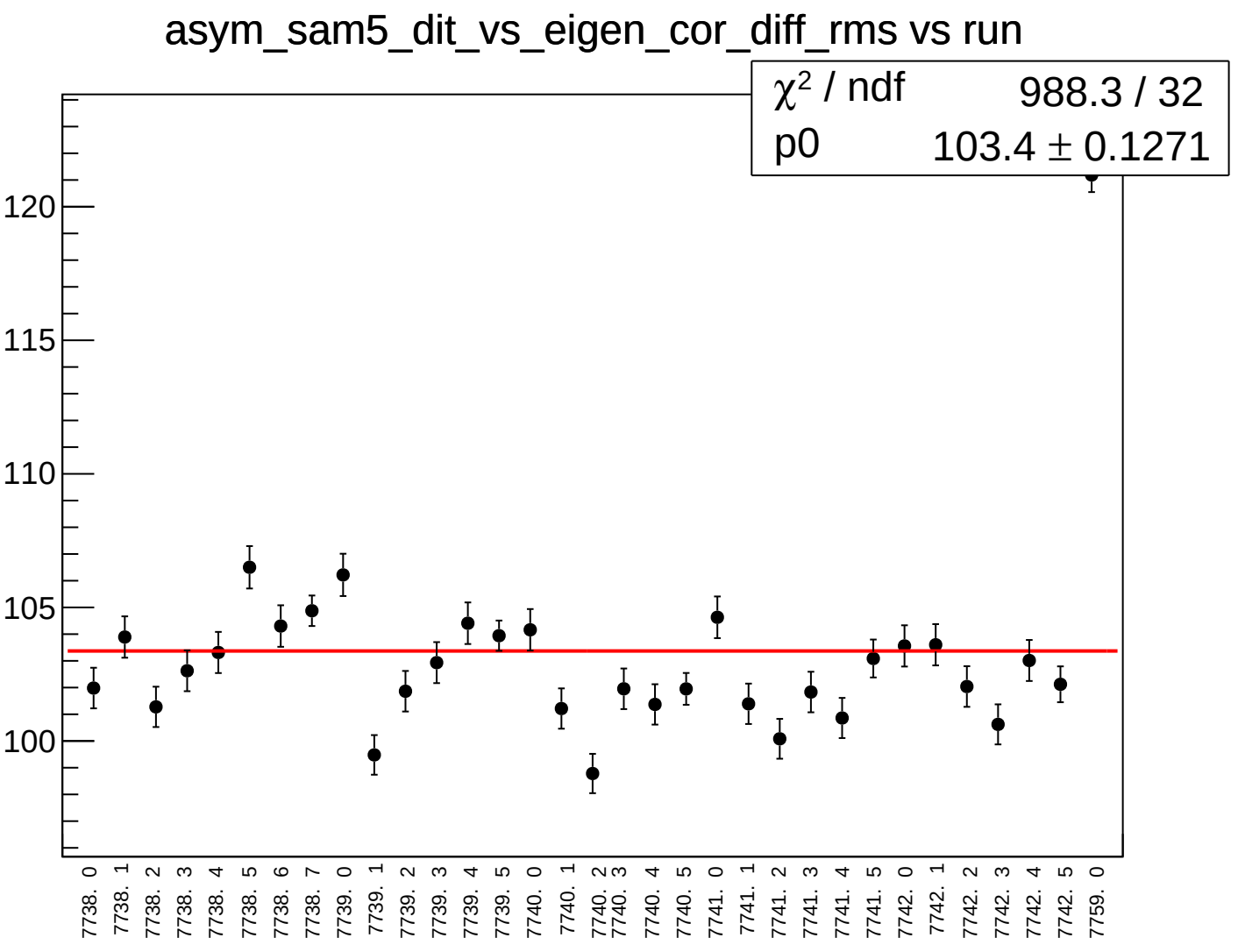

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 1.577e+05 / 32
p0 7.892e−11 ± 1.11e−13
0.025
0.02
0.015
0.01
0.005
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

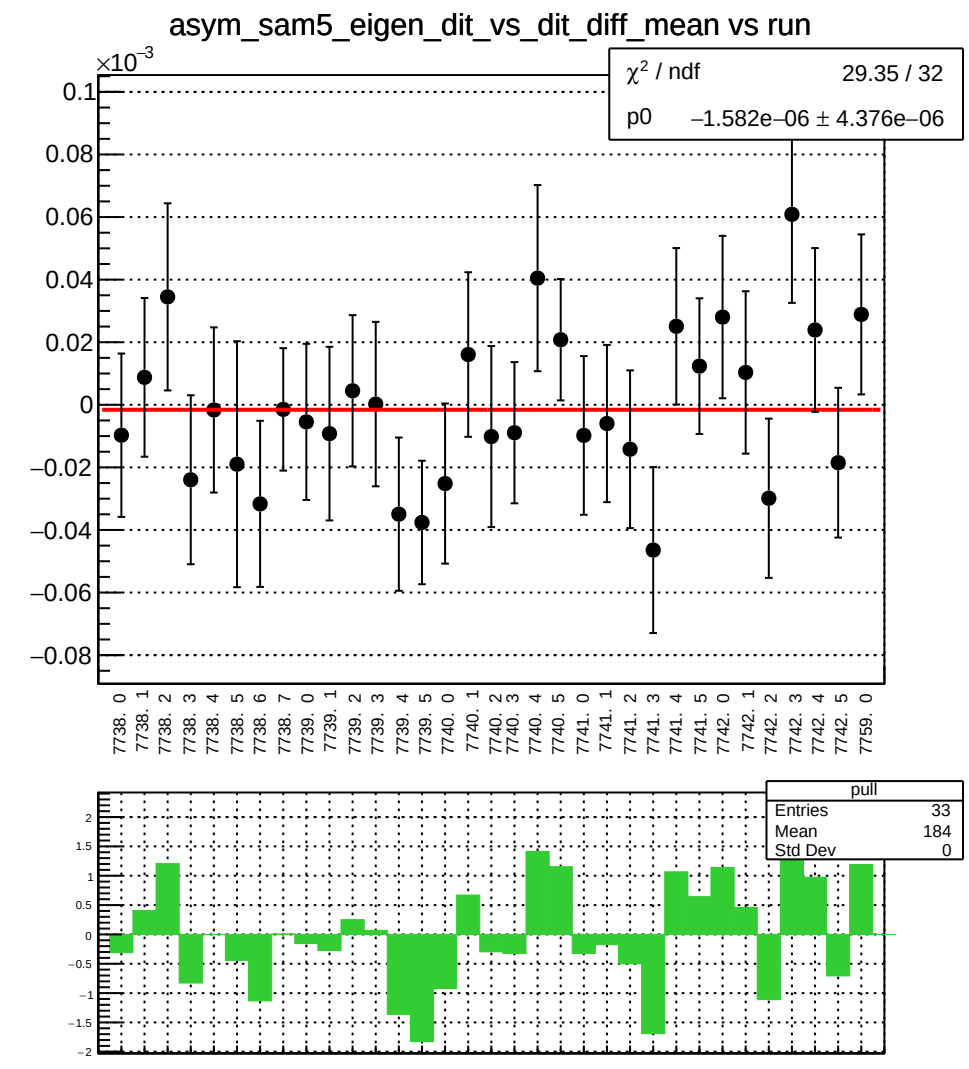

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 27.27 / 32
p0 −0.1518 ± 0.1797
pull
Entries 33
Mean −102.4
Std Dev 0

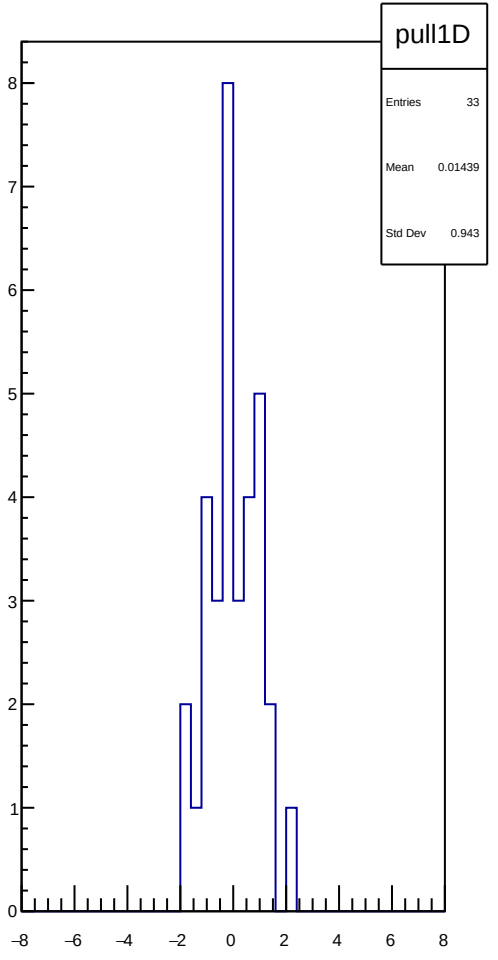

pull1D
Entries 33
Mean 0.01066
Std Dev 0.909

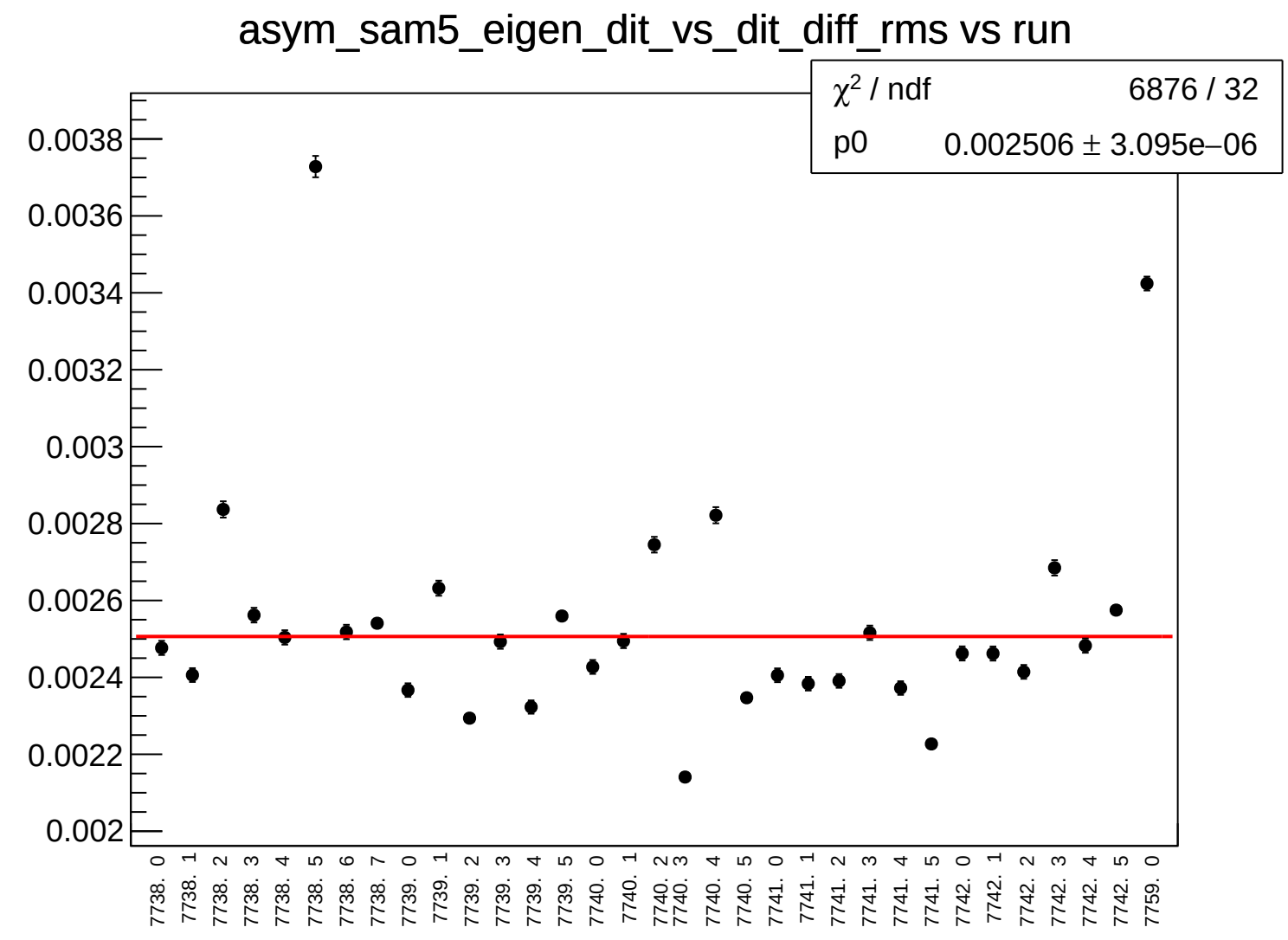

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 988.3 / 32
p0 103.4 ± 0.1271
120
115
110
105
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

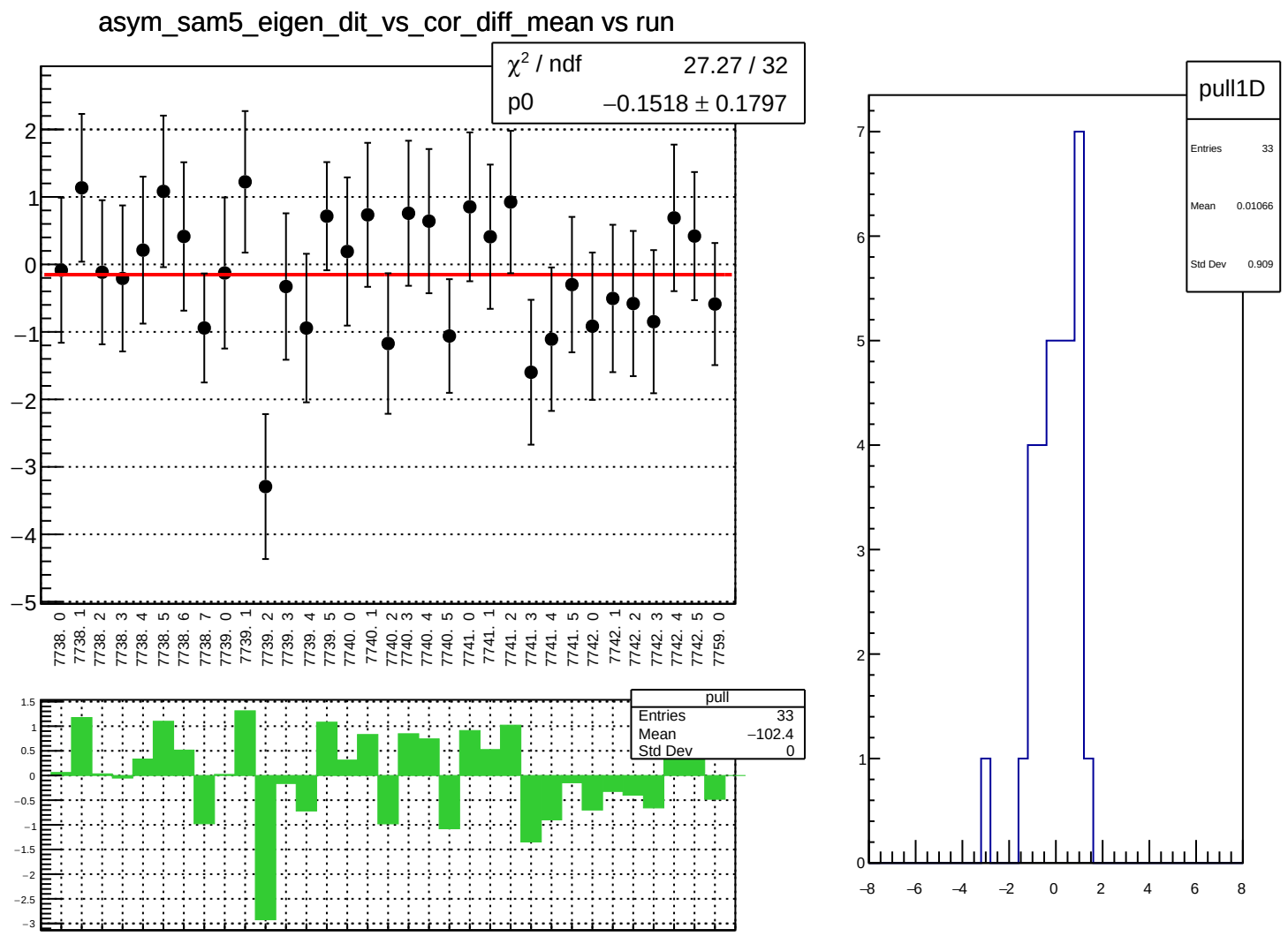

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.27 / 32
p0 −0.1518 ± 0.1797
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.4
Std Dev 0
pull1D
Entries 33
Mean 0.01066
Std Dev 0.909

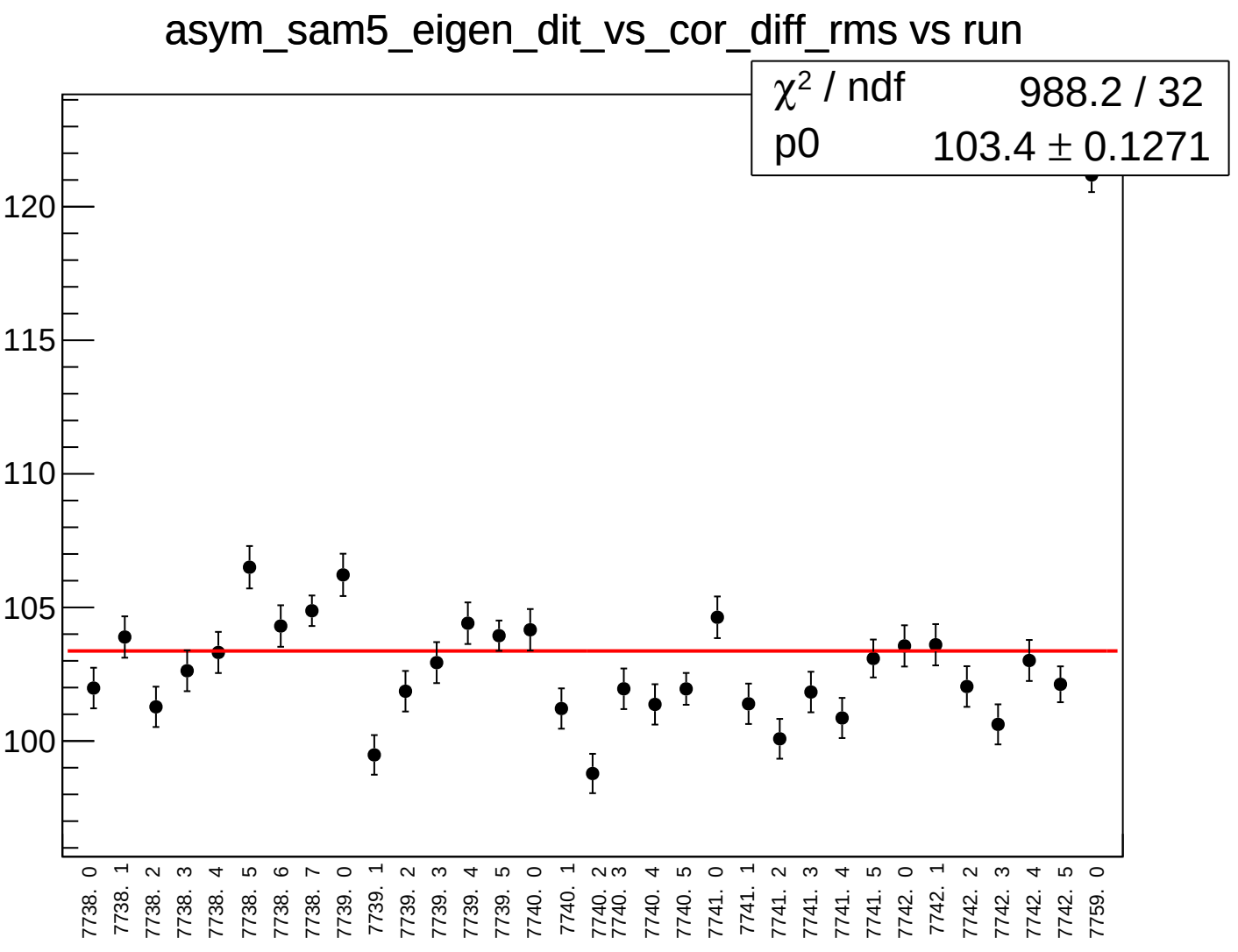

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 988.3 / 32
p0 103.4 ± 0.1271
120
115
110
105
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

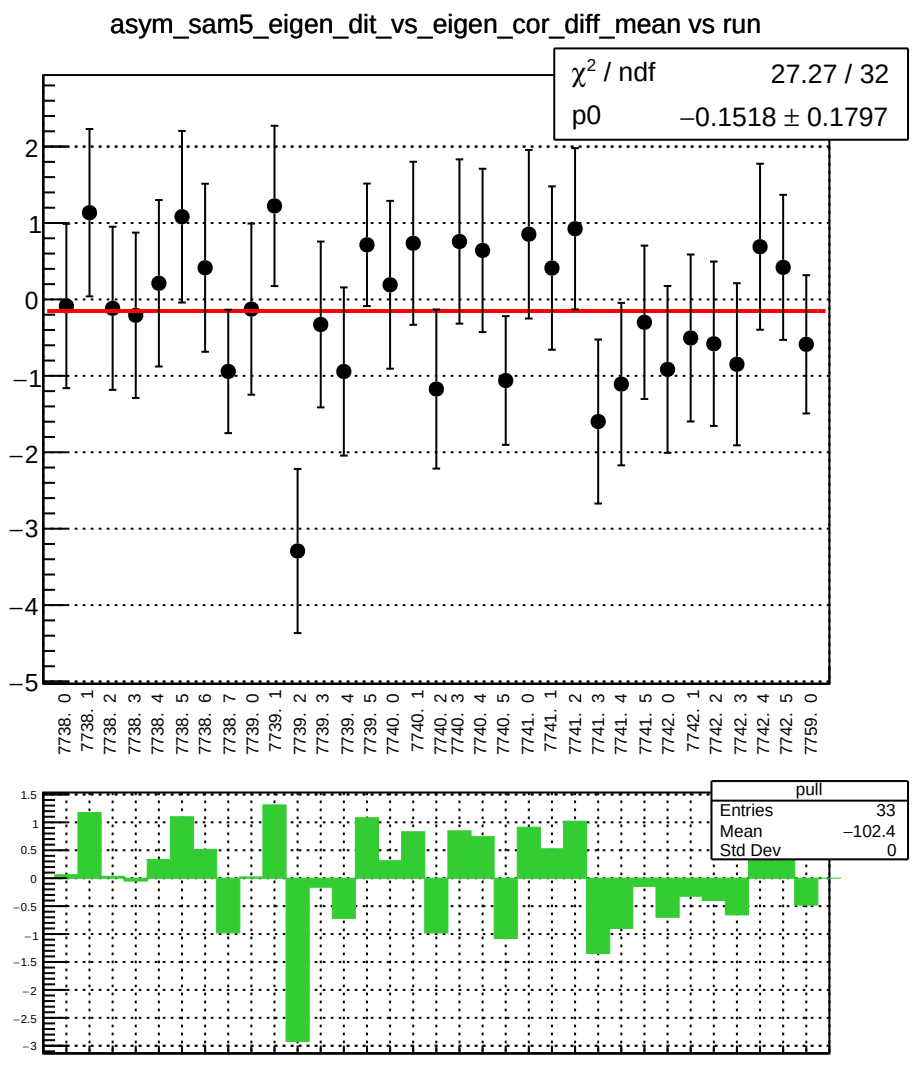

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.35 / 32
p0 −1.582e−06 ± 4.376e−06
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 184
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

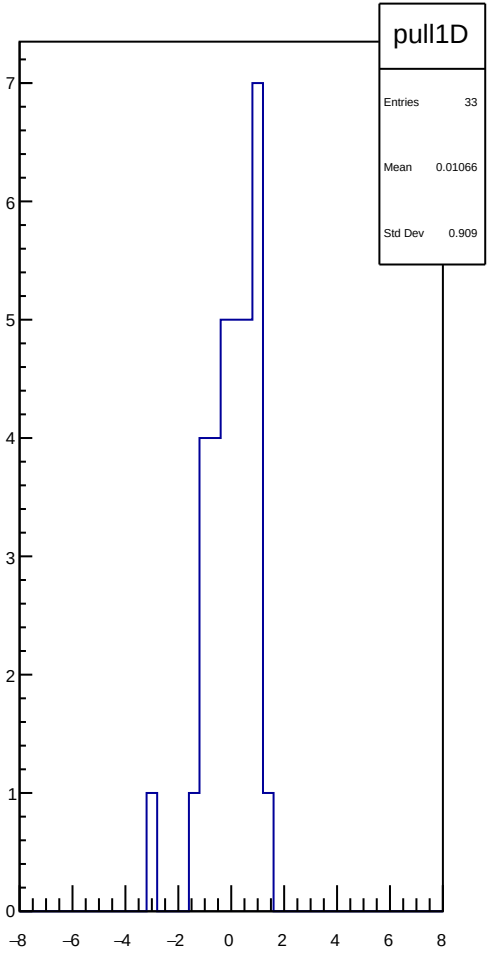

pull1D
Entries 33
Mean 0.01439
Std Dev 0.943
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

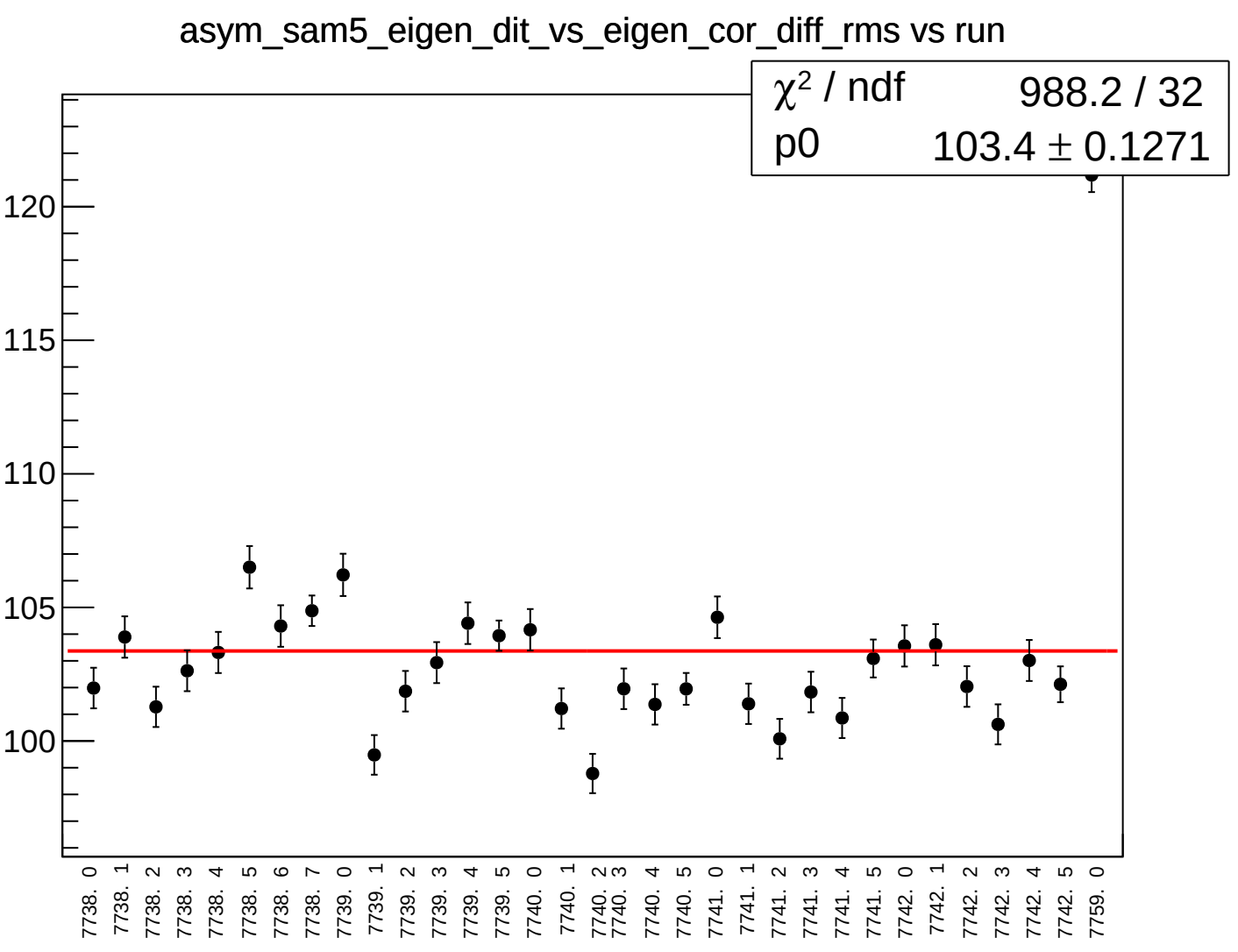

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6876 / 32
p0 0.002506 ± 3.095e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

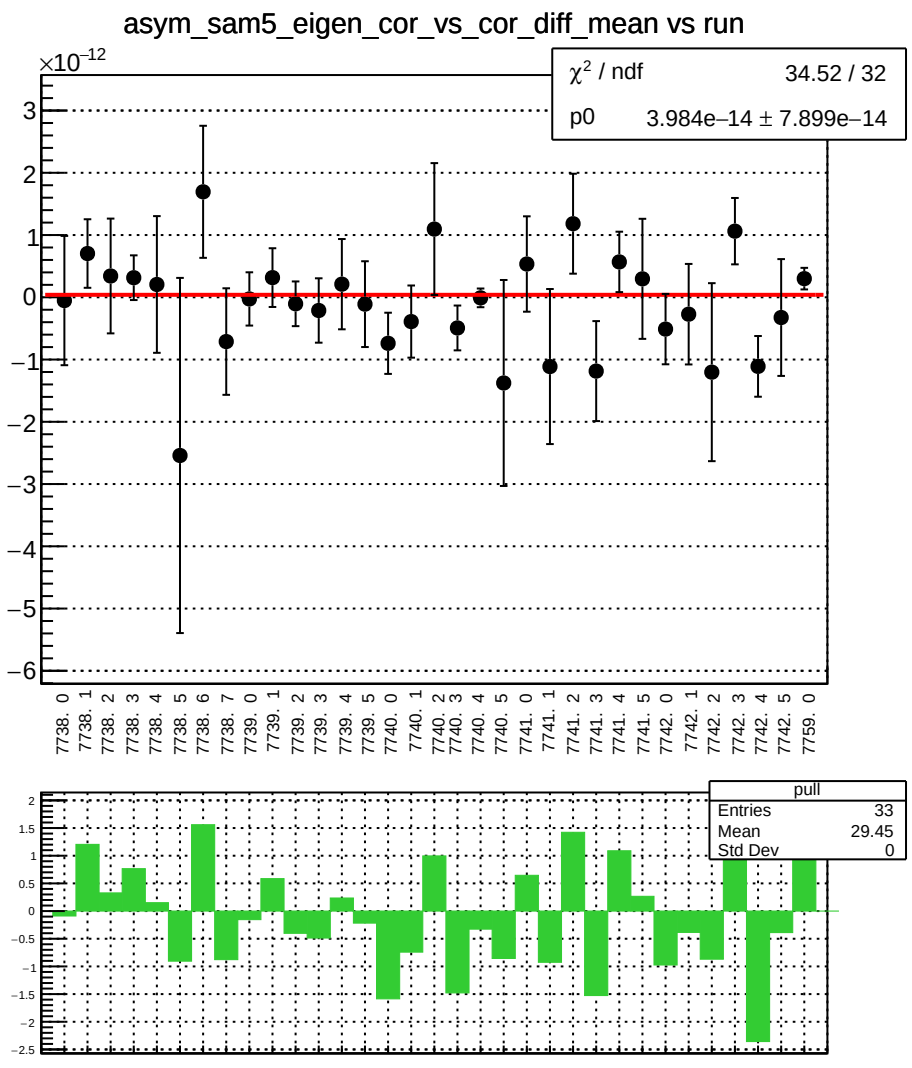

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.27 / 32
p0 −0.1518 ± 0.1797
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.4
Std Dev 0
pull1D
Entries 33
Mean 0.01066
Std Dev 0.909

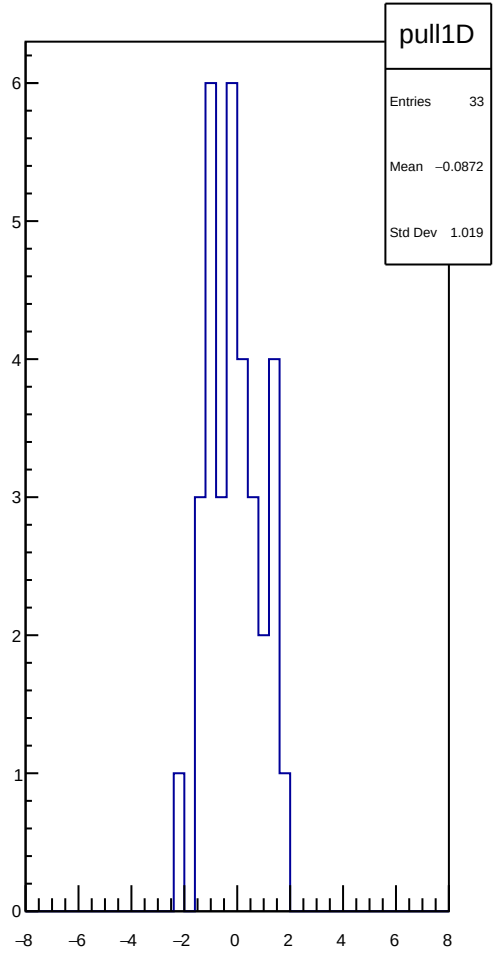

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 988.2 / 32
p0 103.4 ± 0.1271
120
115
110
105
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

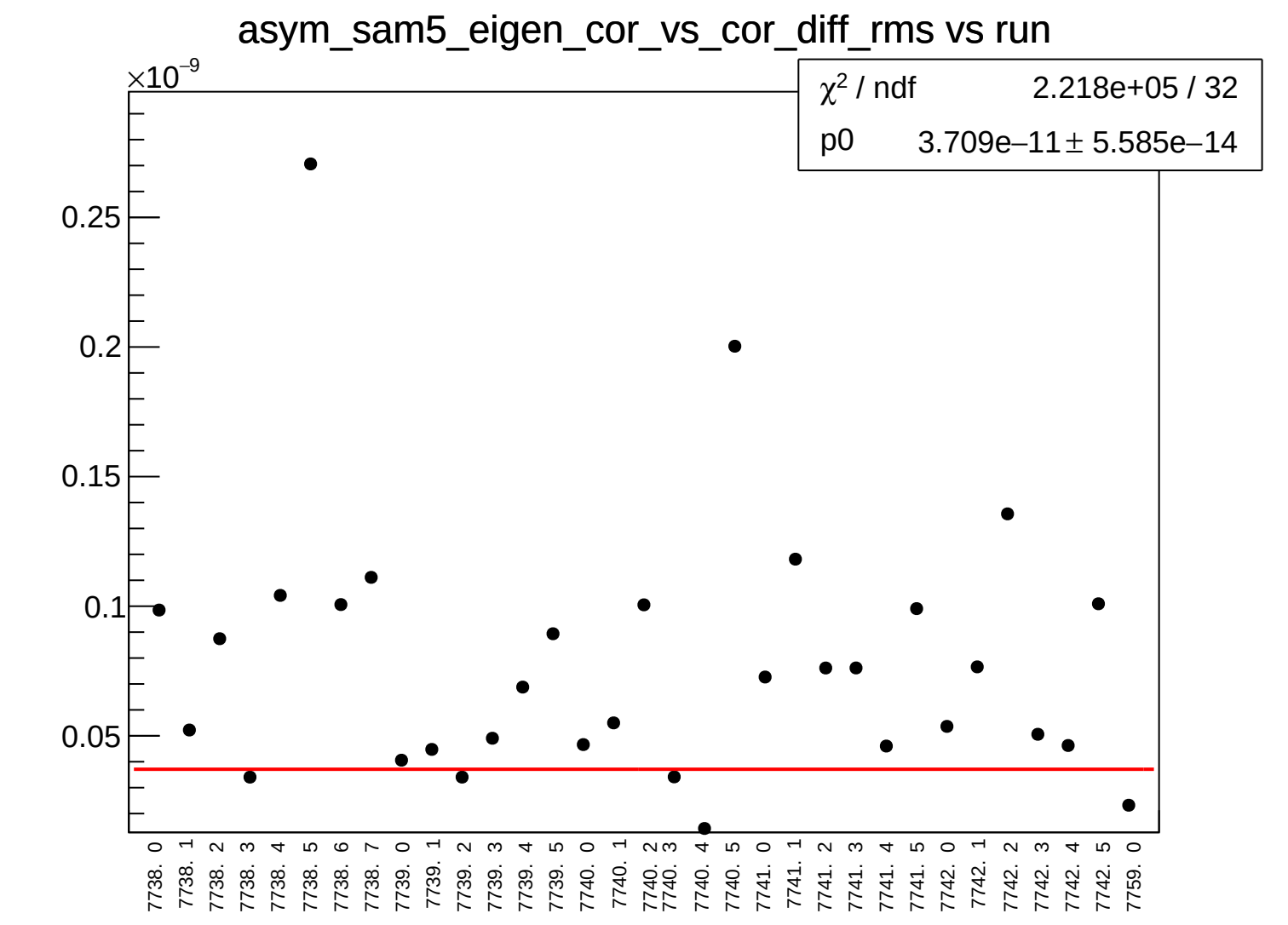

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.27 / 32
p0 −0.1518 ± 0.1797
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.4
Std Dev 0

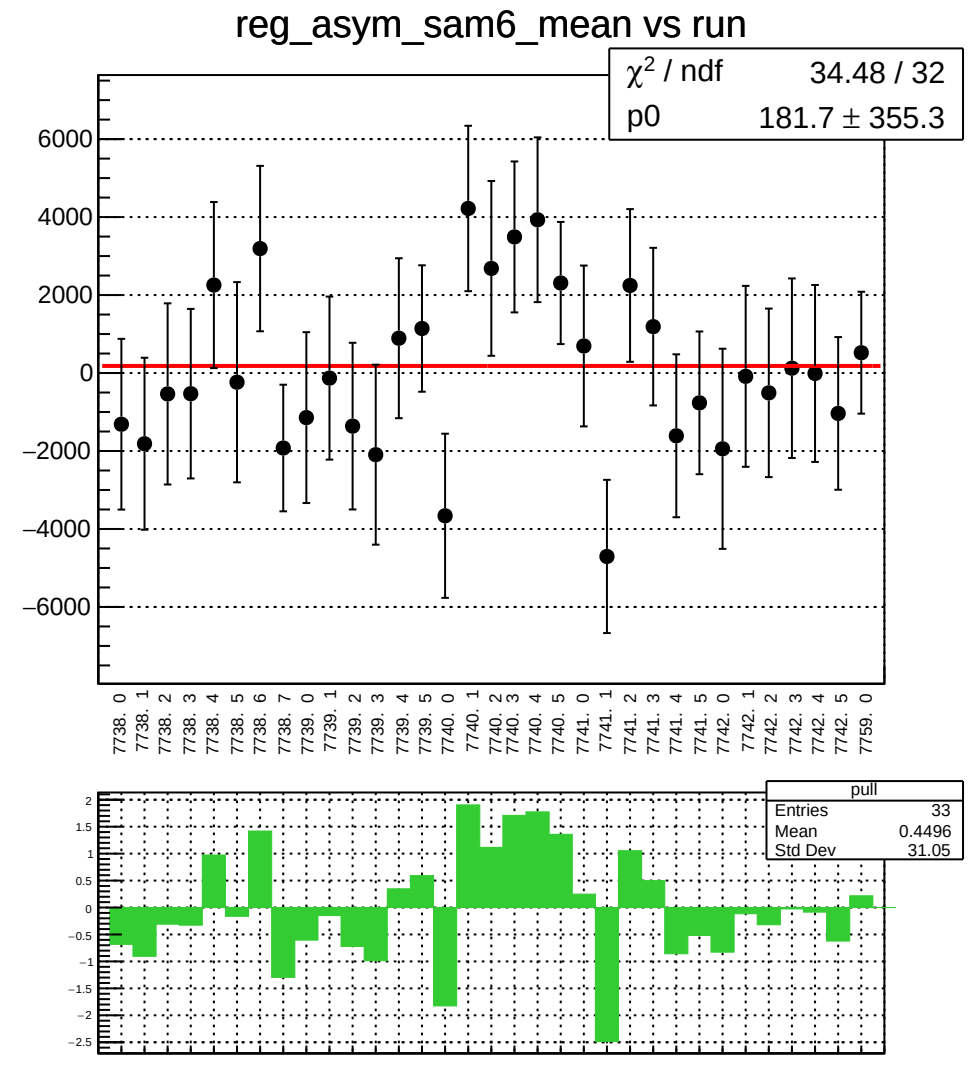

pull1D
Entries 33
Mean 0.01066
Std Dev 0.909

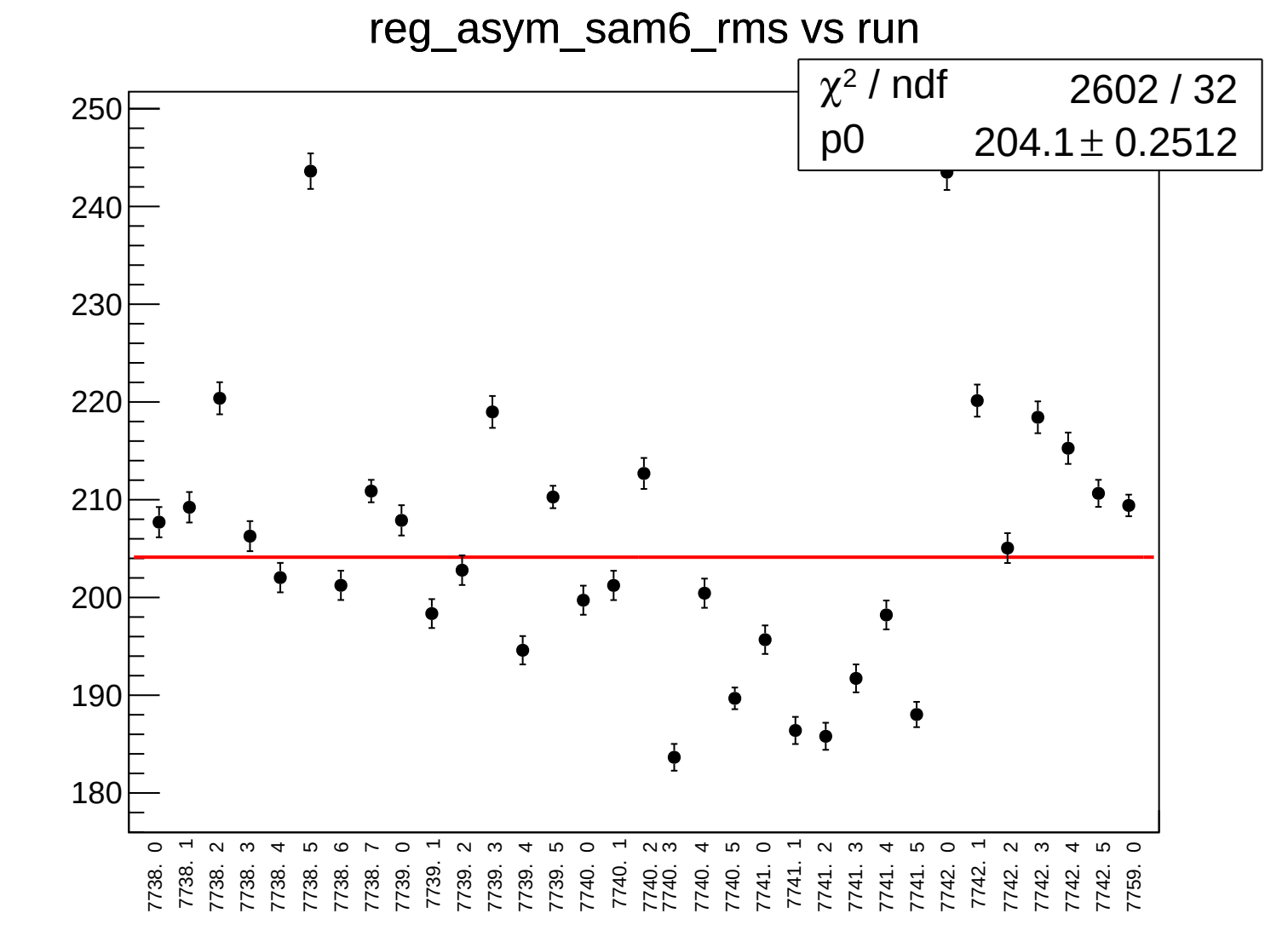

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 988.2 / 32
p0 103.4 ± 0.1271
120
115
110
105
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

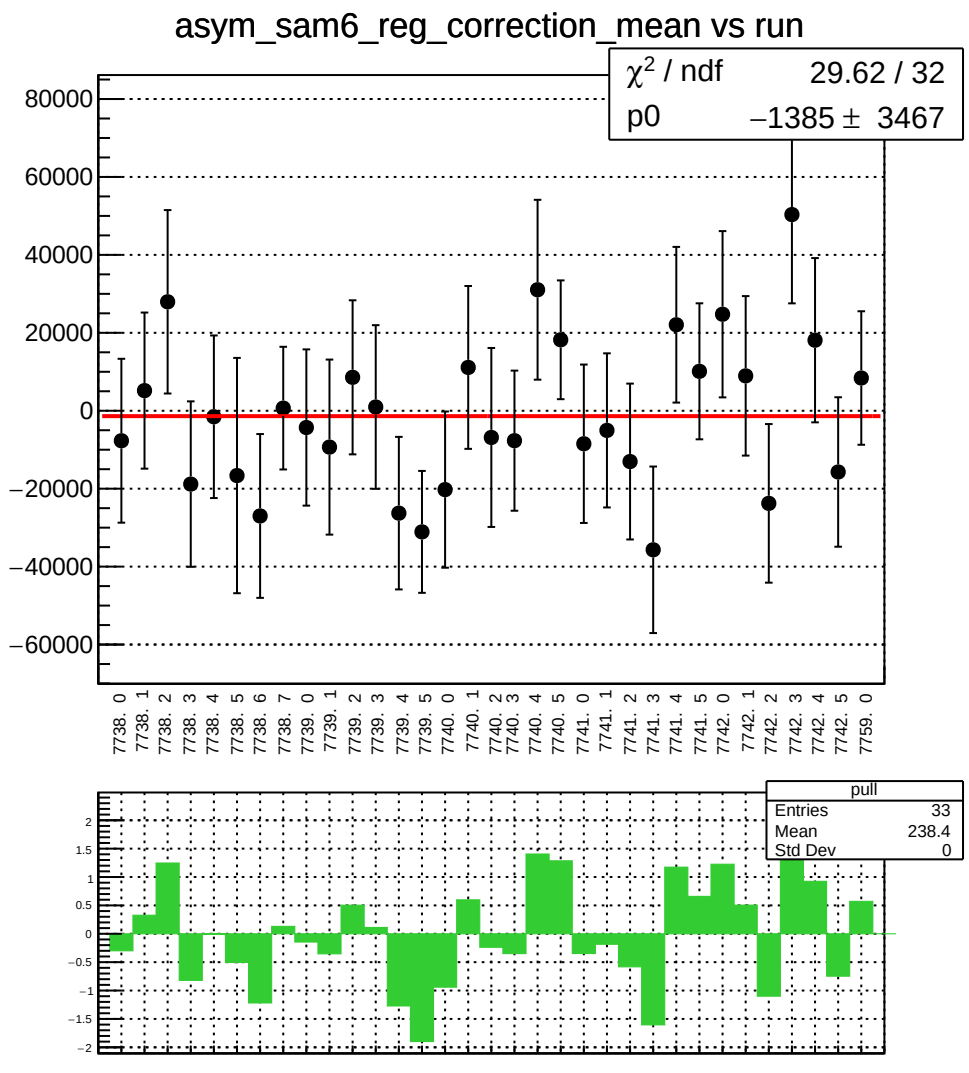

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 34.52 / 32
p0 3.984e−14 ± 7.899e−14
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.45
Std Dev 0

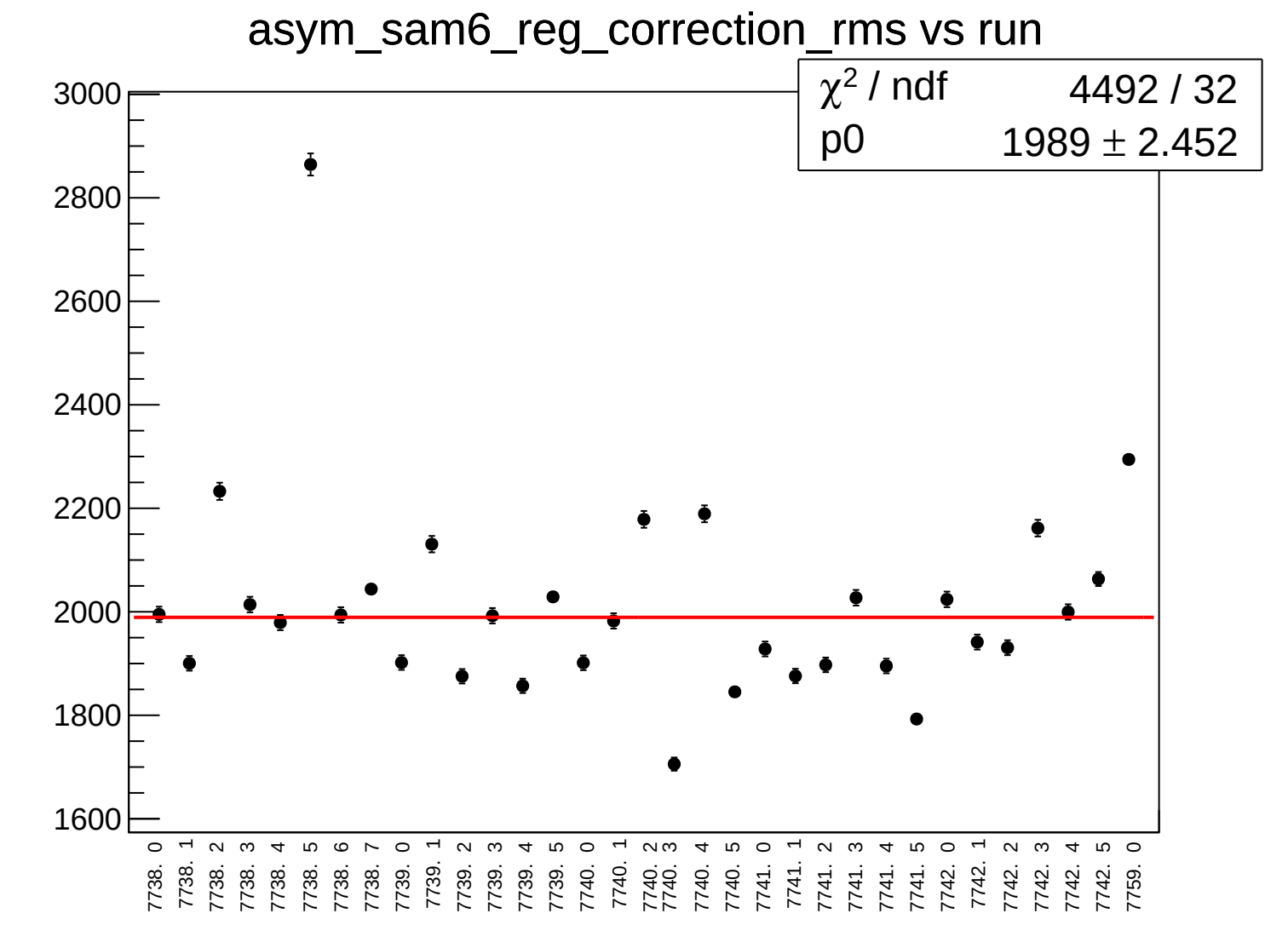

pull1D
Entries 33
Mean −0.0872
Std Dev 1.019

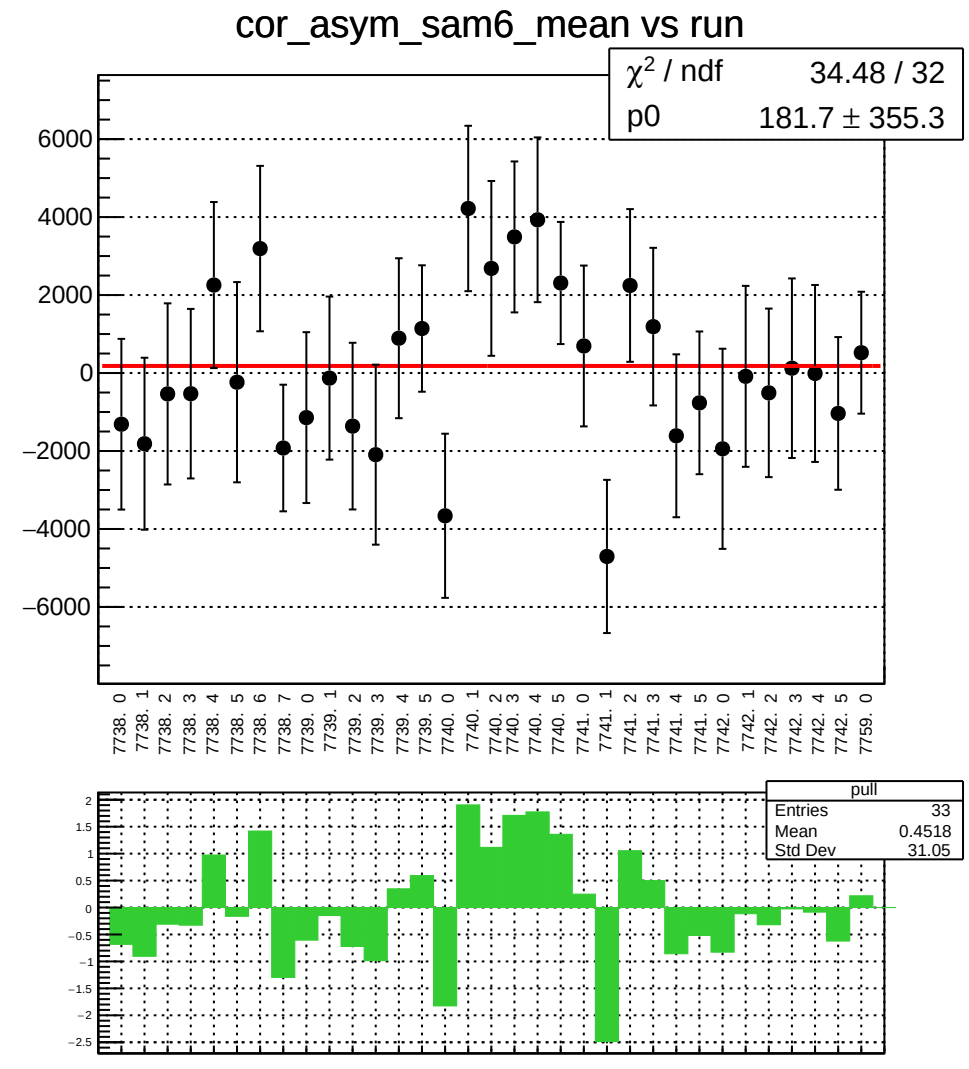

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.218e+05 / 32
p0 3.709e−11 ± 5.585e−14
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

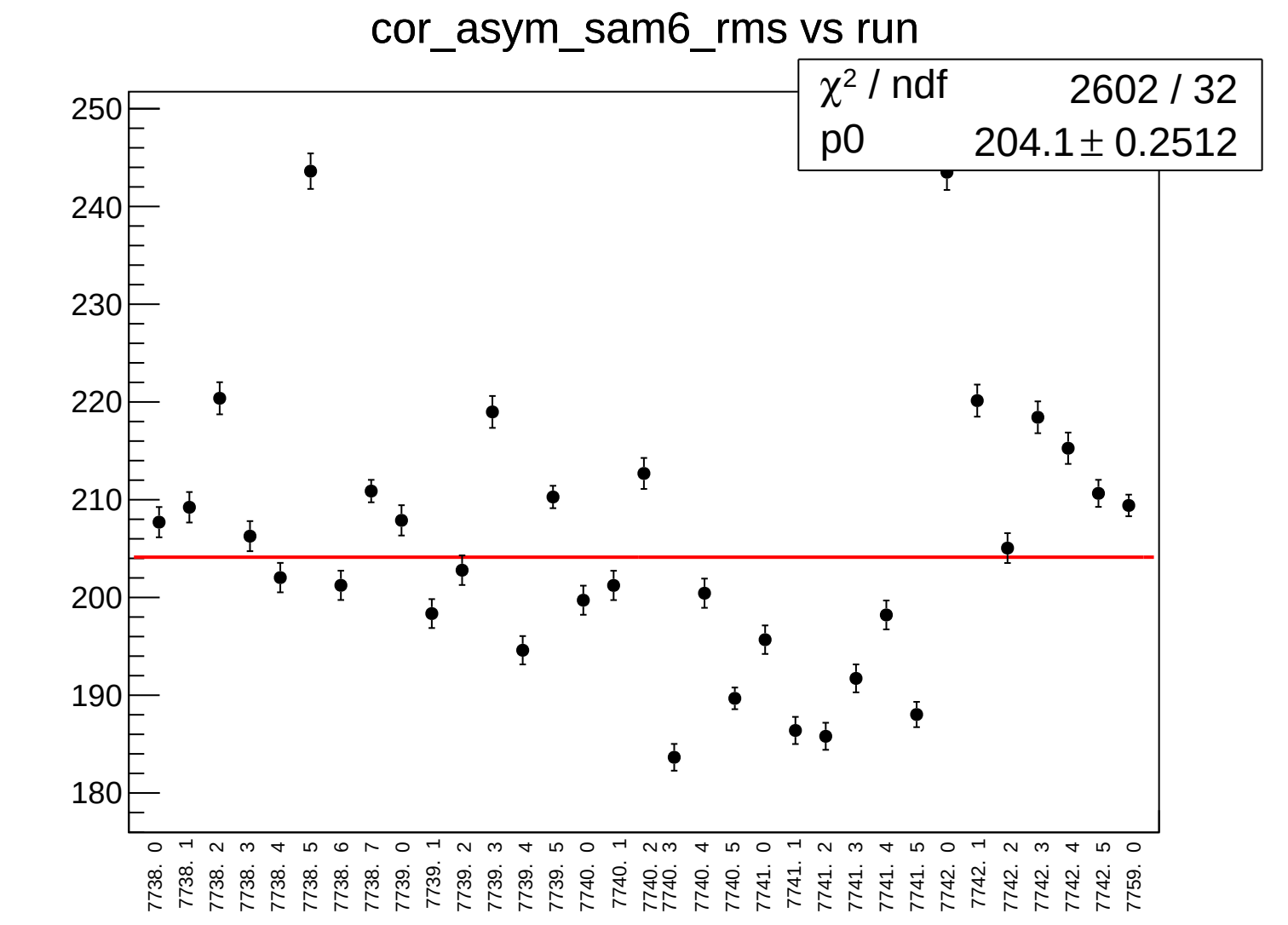

reg_asym_sam6_mean vs run
χ² / ndf 34.48 / 32
p0 181.7 ± 355.3
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.4496
Std Dev 31.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01854
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

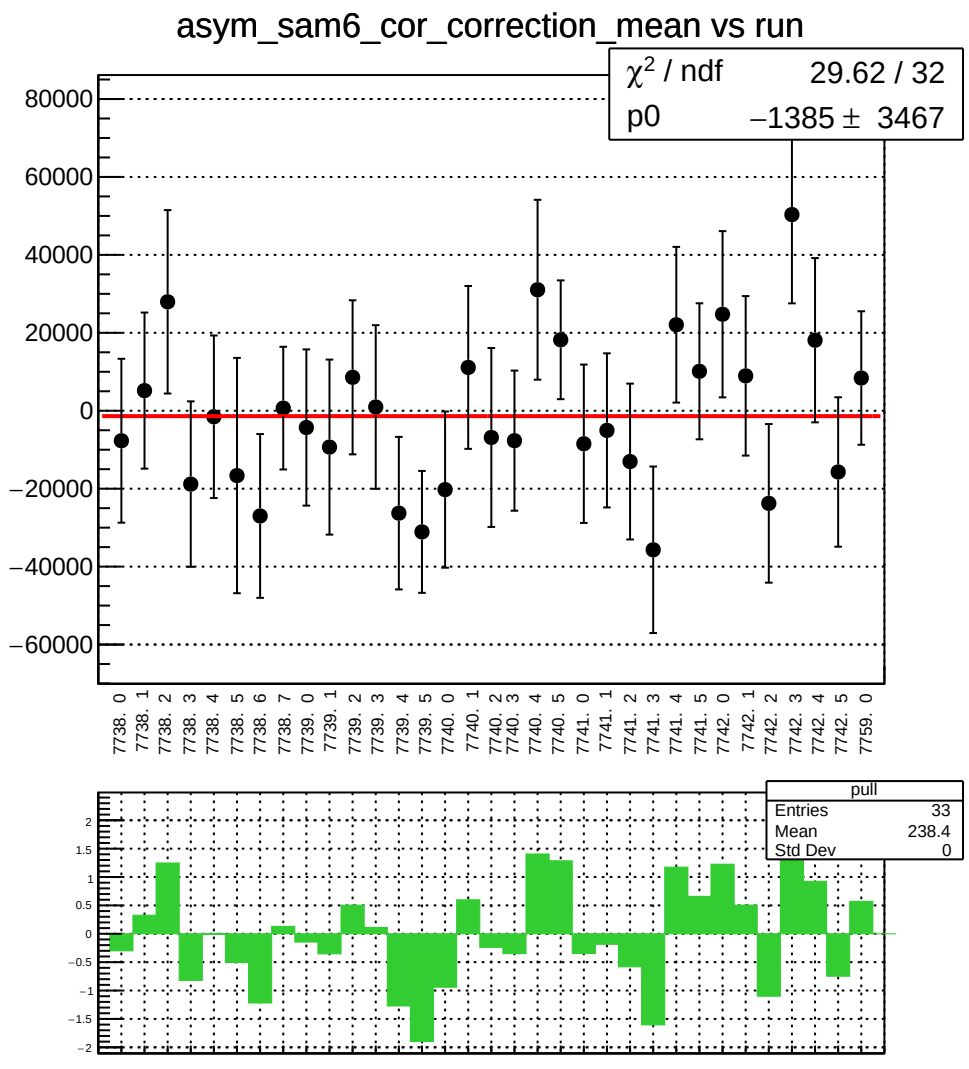

reg_asym_sam6_rms vs run
χ² / ndf 2602 / 32
p0 204.1 ± 0.2512
250
240
230
220
210
200
190
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

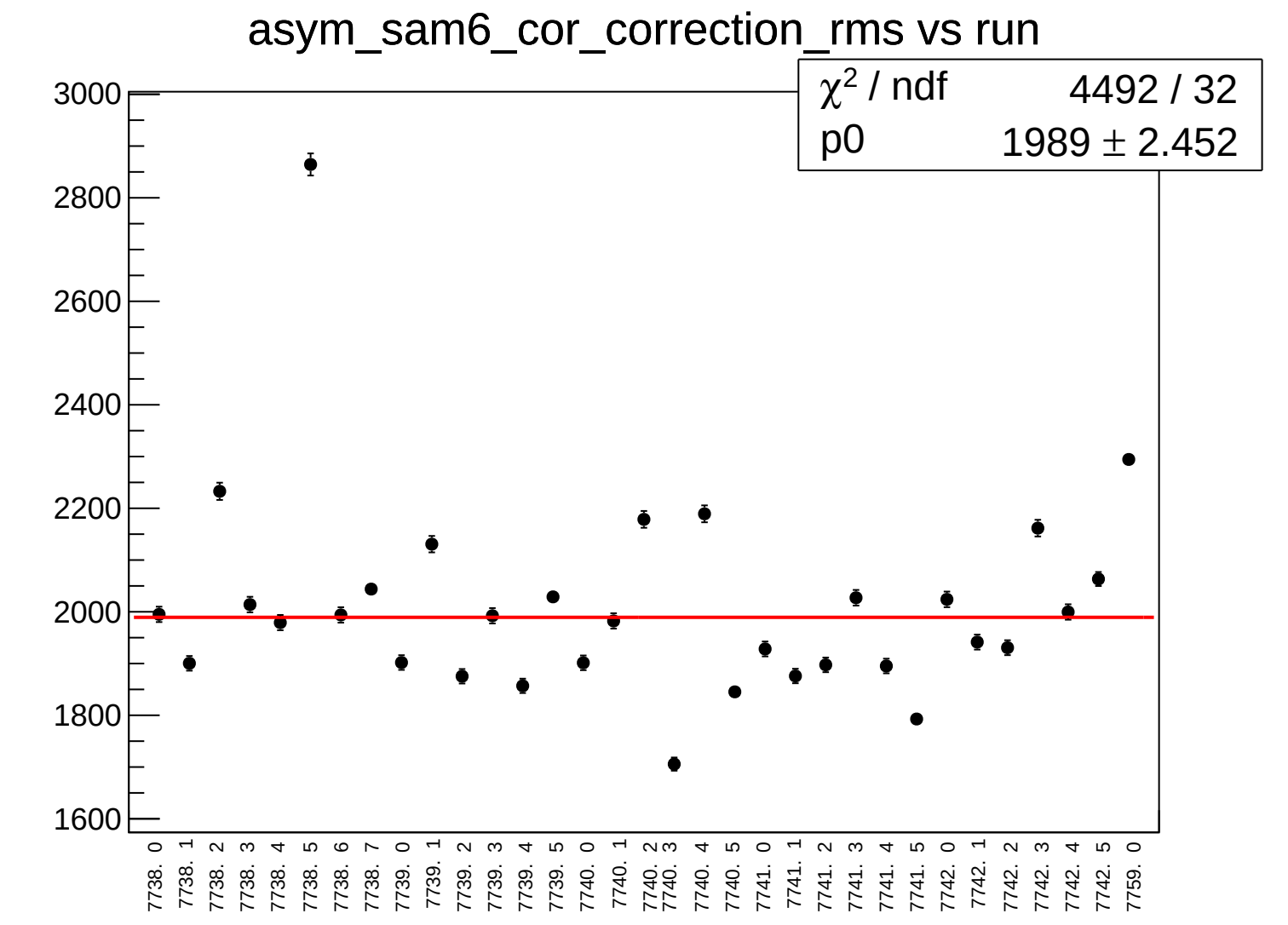

asym_sam6_reg_correction_mean vs run
χ² / ndf 29.62 / 32
p0 −1385 ± 3467
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 238.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.009764
Std Dev 0.9473
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

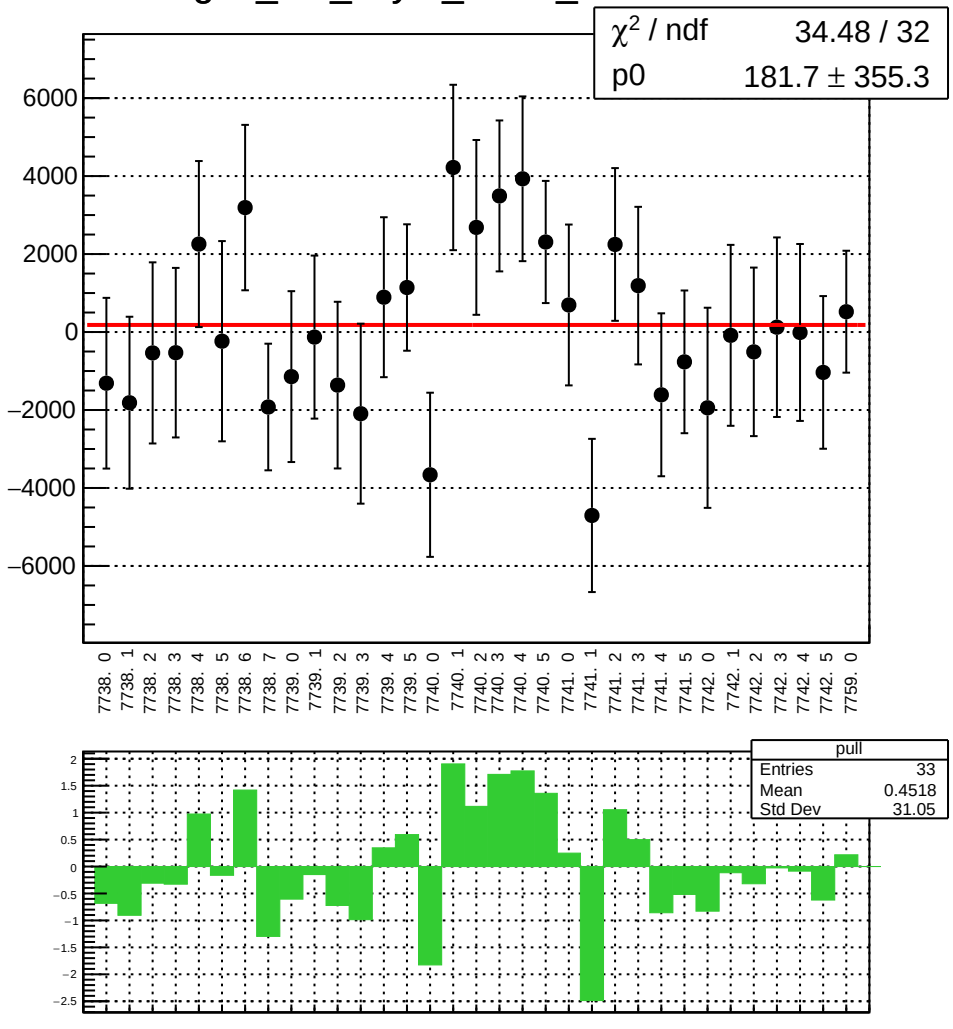

asym_sam6_reg_correction_rms vs run
χ² / ndf 4492 / 32
p0 1989 ± 2.452
3000
2800
2600
2400
2200
2000
1800
1600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

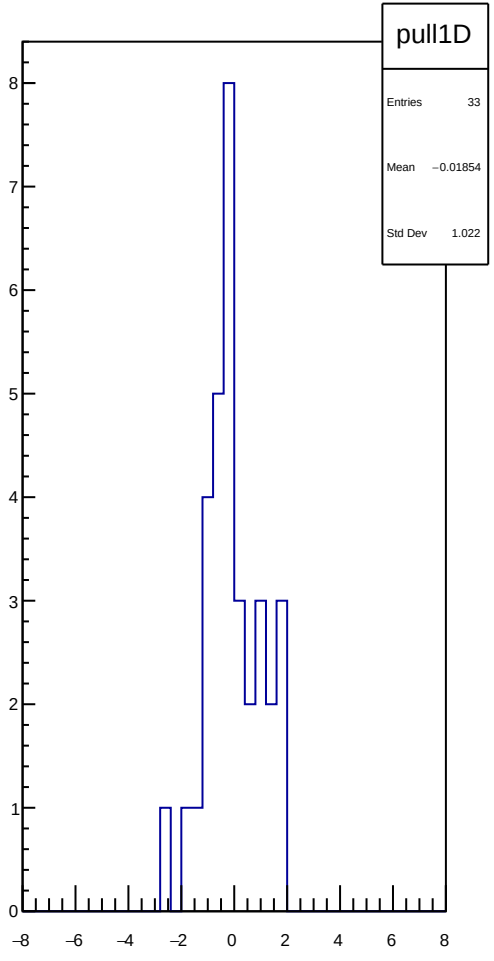

cor_asym_sam6_mean vs run
χ² / ndf 34.48 / 32
p0 181.7 ± 355.3
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.4518
Std Dev 31.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01854
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

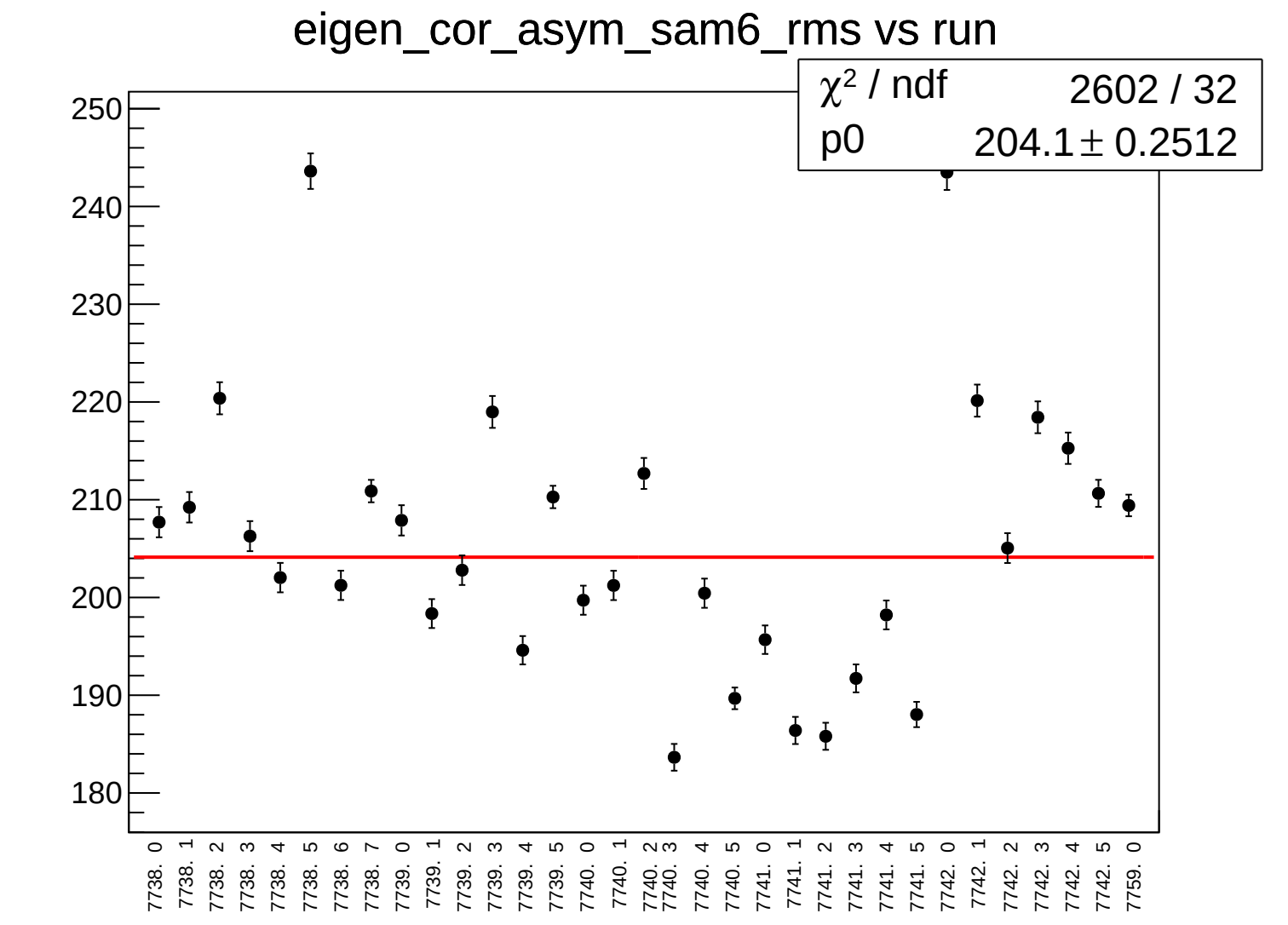

cor_asym_sam6_rms vs run
χ² / ndf 2602 / 32
p0 204.1 ± 0.2512
250
240
230
220
210
200
190
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

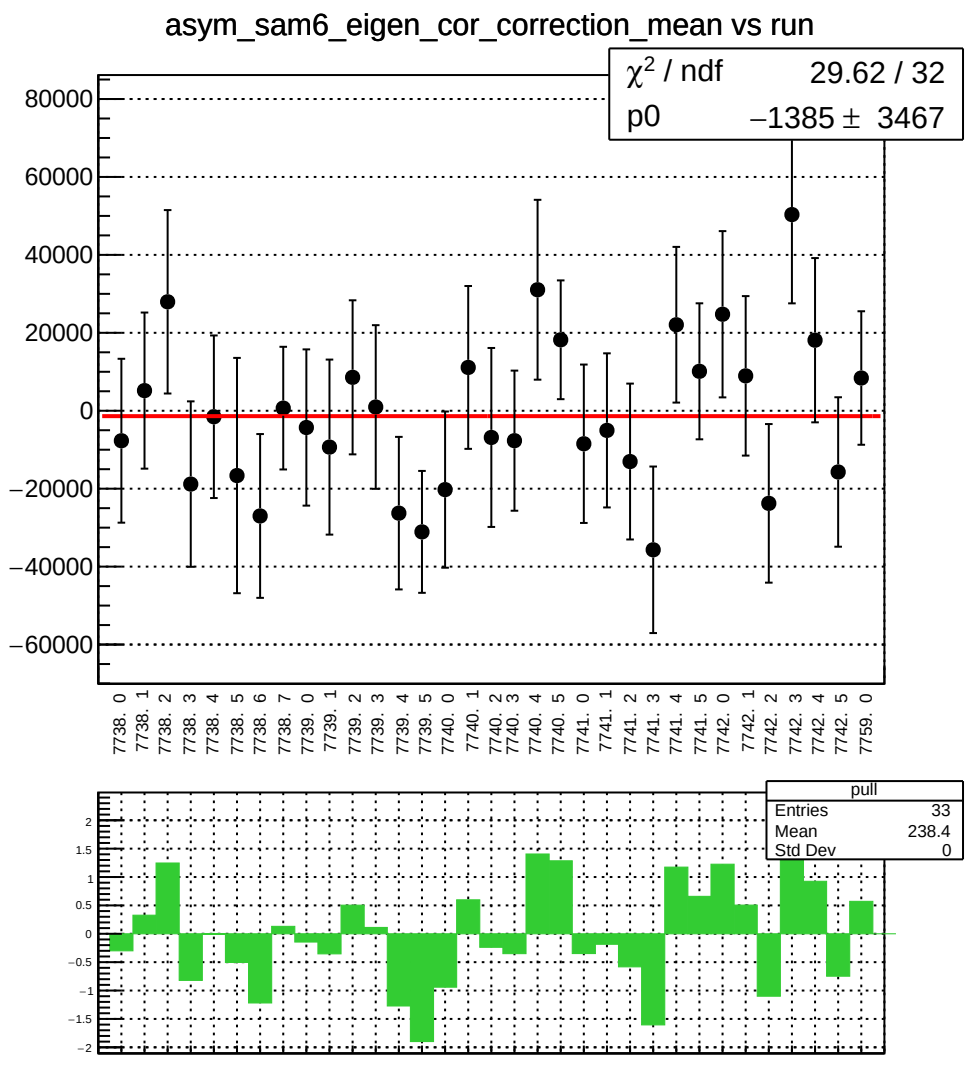

asym_sam6_cor_correction_mean vs run
χ² / ndf 29.62 / 32
p0 −1385 ± 3467
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 238.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.009763
Std Dev 0.9473
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

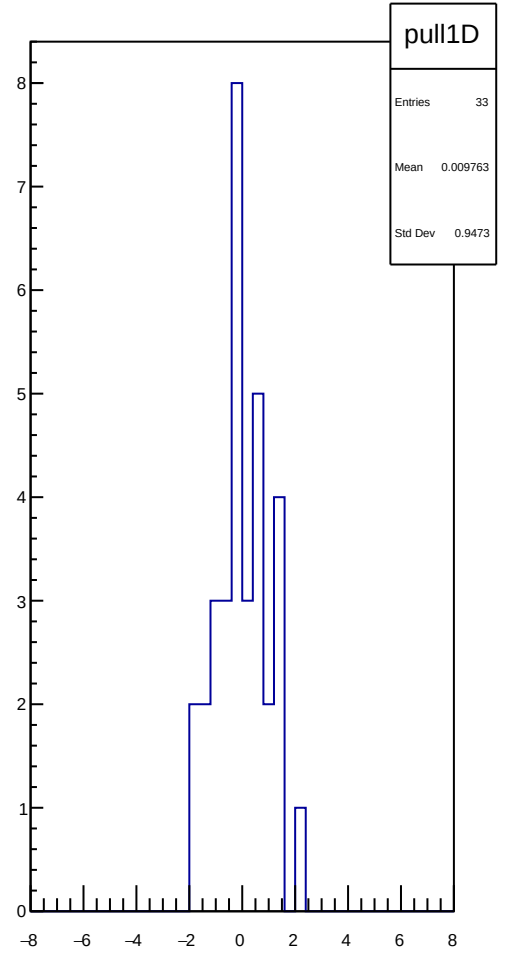

asym_sam6_cor_correction_rms vs run
χ² / ndf 4492 / 32
p0 1989 ± 2.452
3000
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

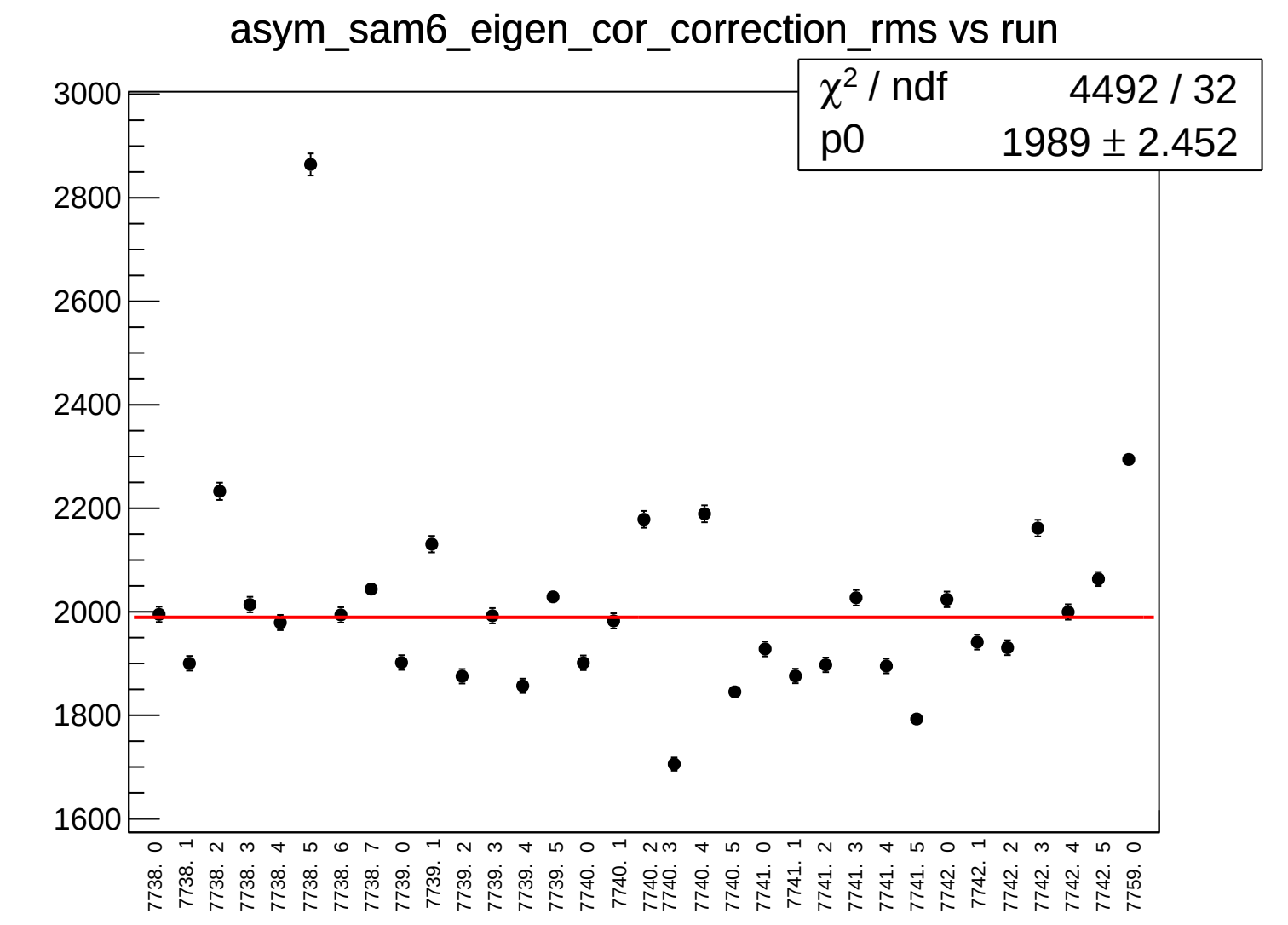

eigen_cor_asym_sam6_mean vs run
χ² / ndf 34.48 / 32
p0 181.7 ± 355.3
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.4518
Std Dev 31.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

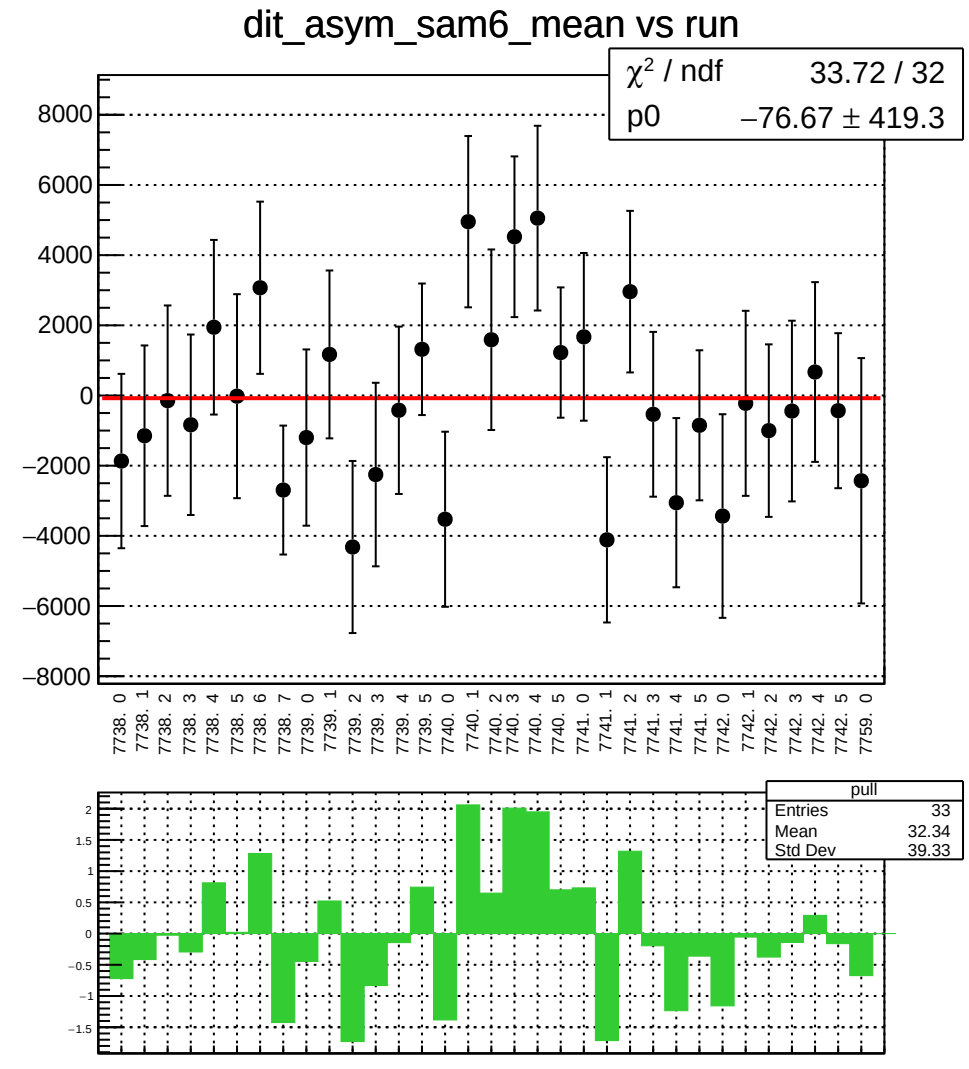

pull1D
Entries 33
Mean −0.01854
Std Dev 1.022
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

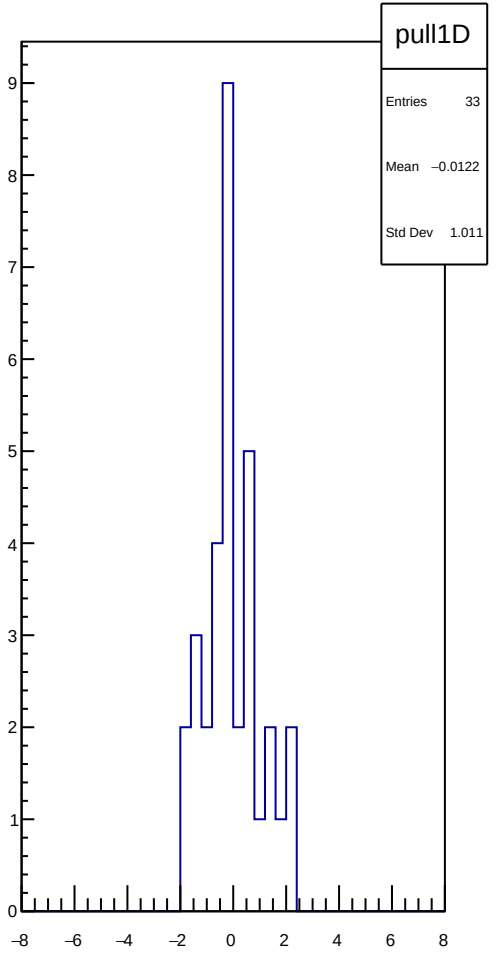

eigen_cor_asym_sam6_rms vs run
χ² / ndf 2602 / 32
p0 204.1 ± 0.2512
250
240
230
220
210
200
190
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

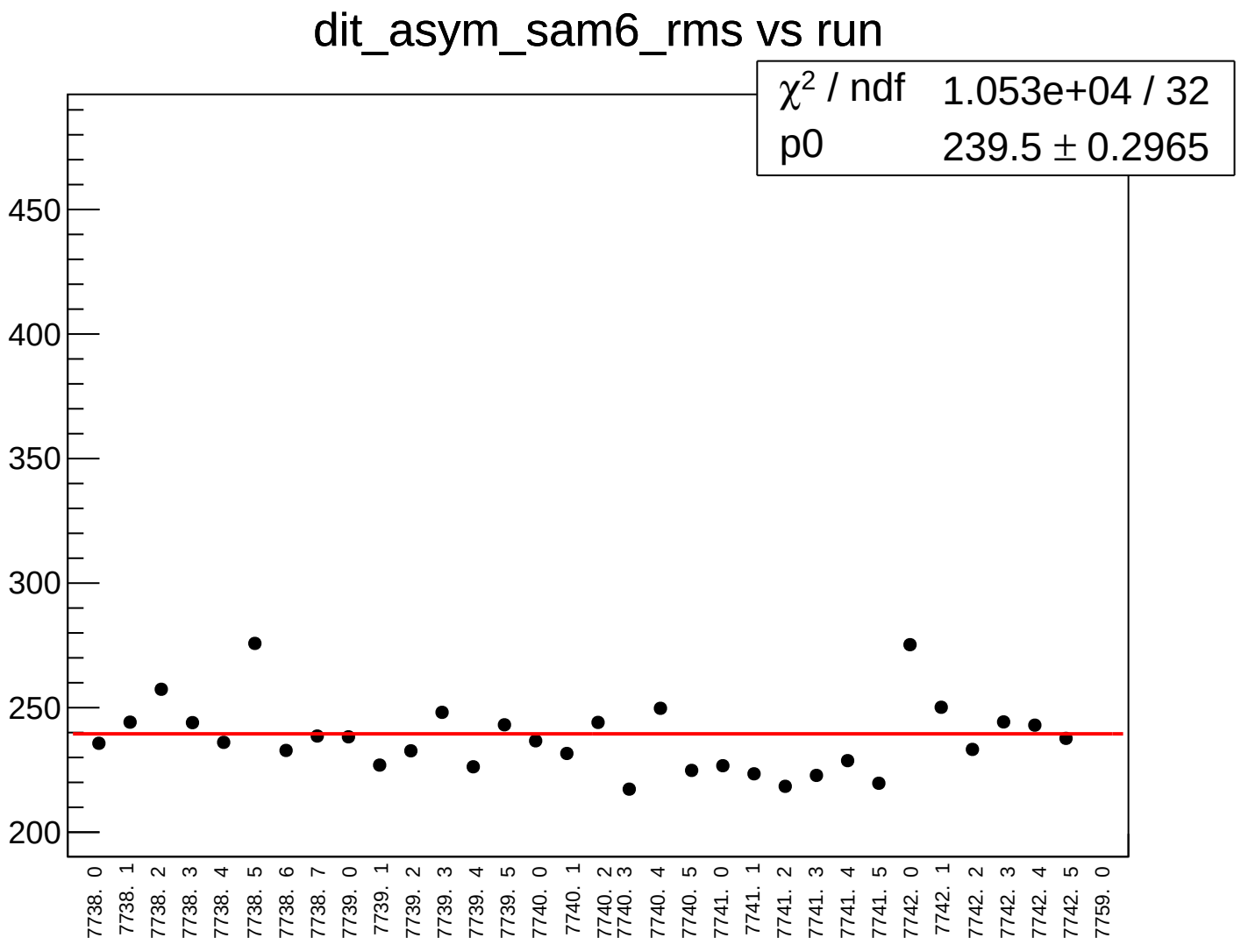

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 29.62 / 32
p0 −1385 ± 3467
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 238.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

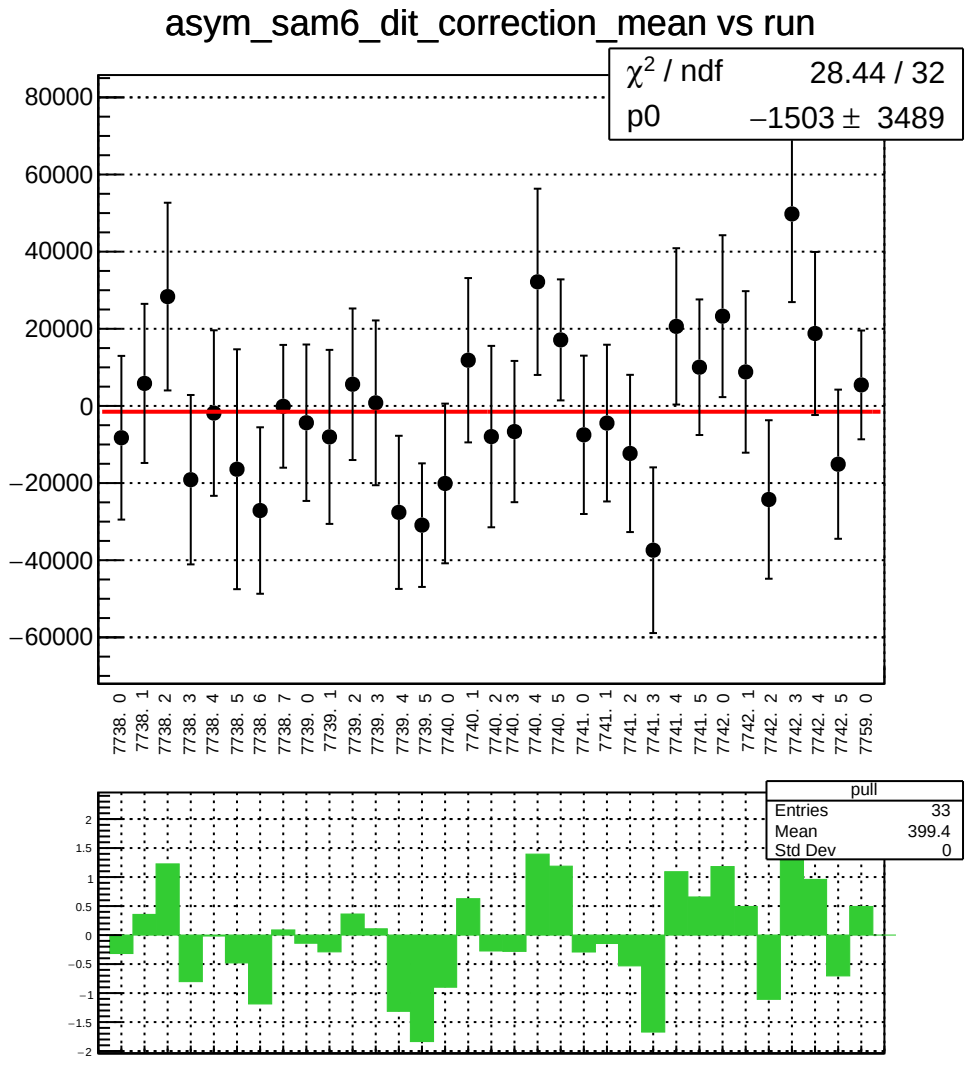

pull1D
Entries 33
Mean 0.009763
Std Dev 0.9473
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

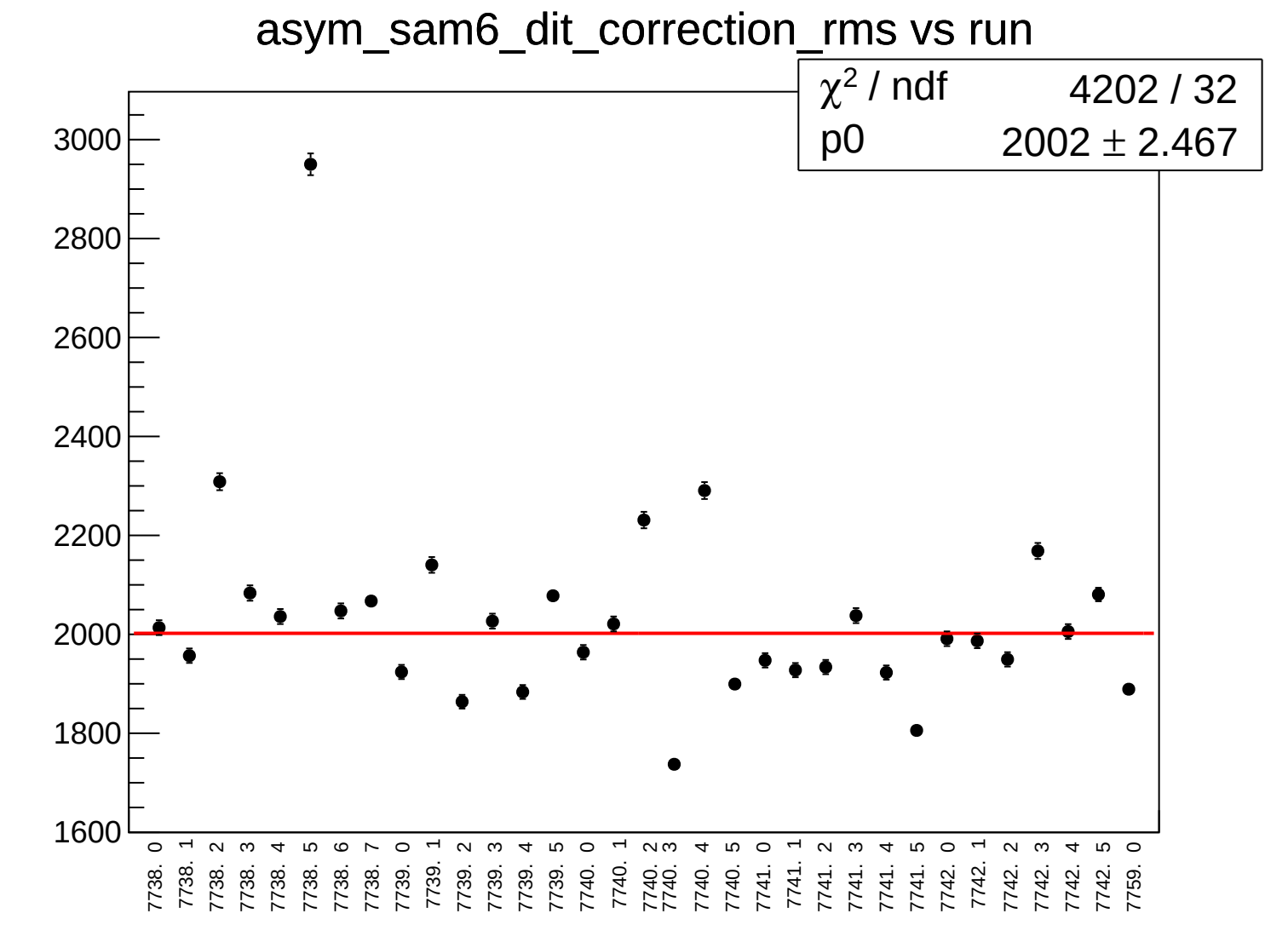

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 4492 / 32
p0 1989 ± 2.452
3000
2800
2600
2400
2200
2000
1800
1600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

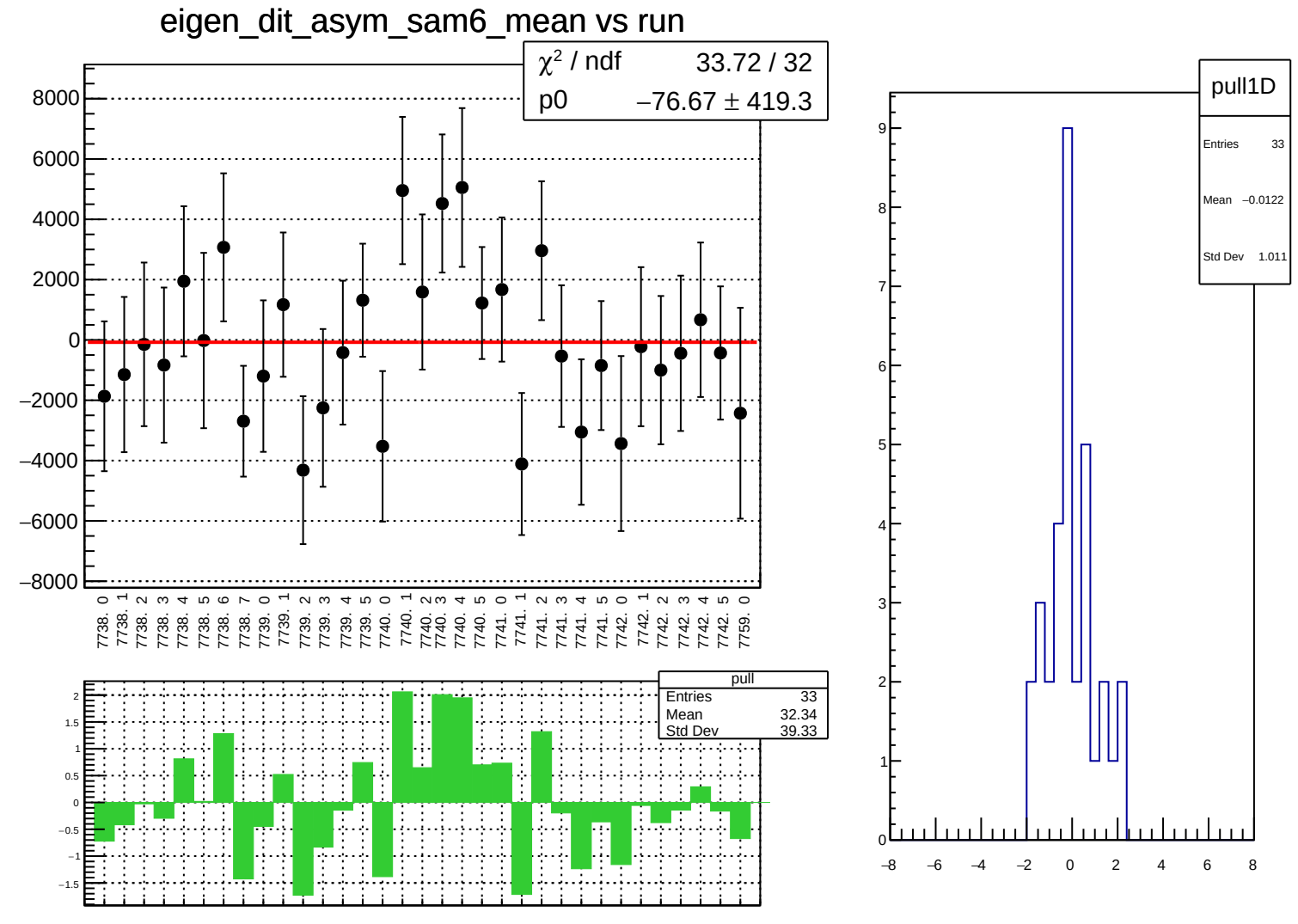

dit_asym_sam6_mean vs run
χ² / ndf 33.72 / 32
p0 −76.67 ± 419.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.34
Std Dev 39.33
2
1.5
1
0.5
0
−0.5
−1
−1.5

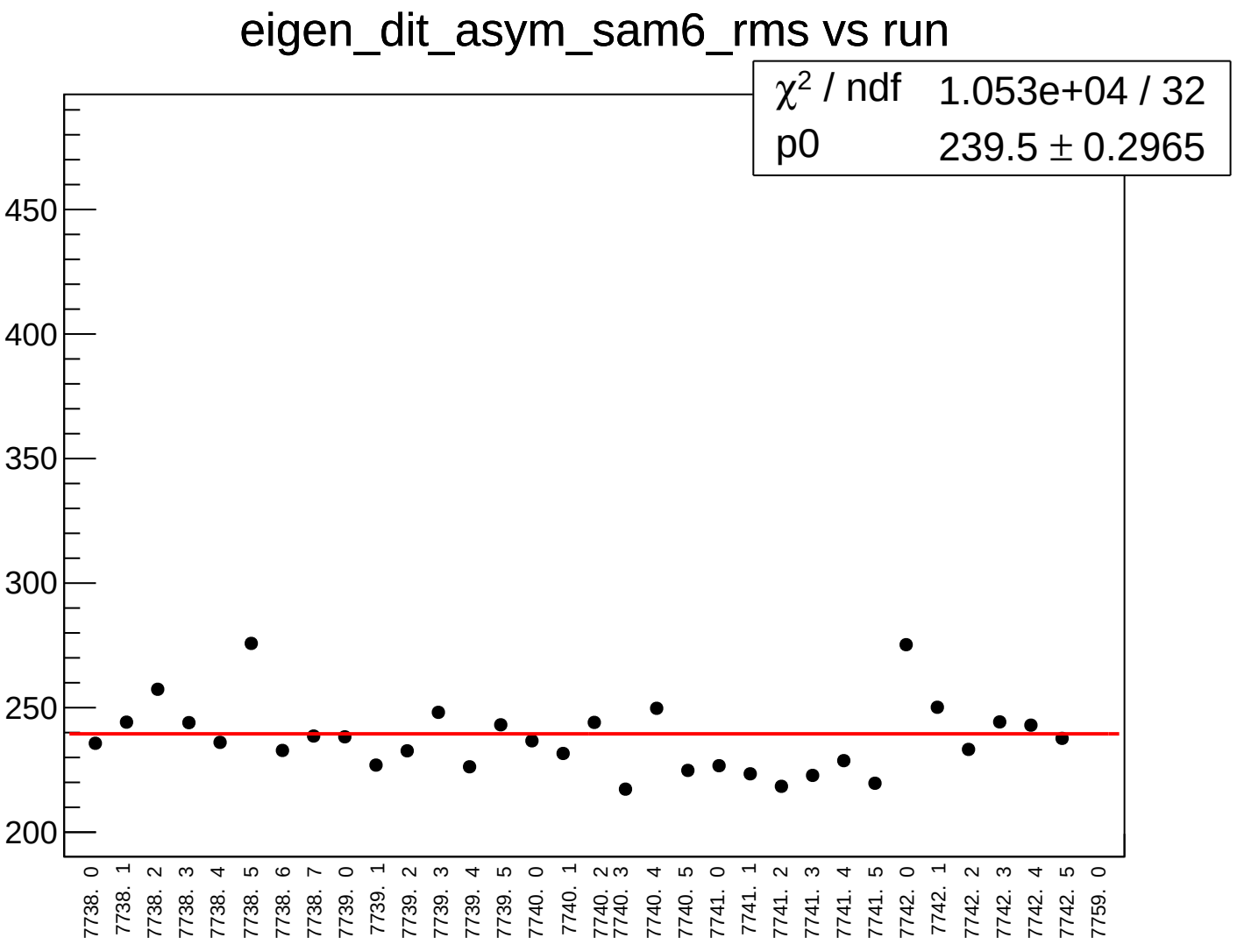

pull1D
Entries 33
Mean −0.0122
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

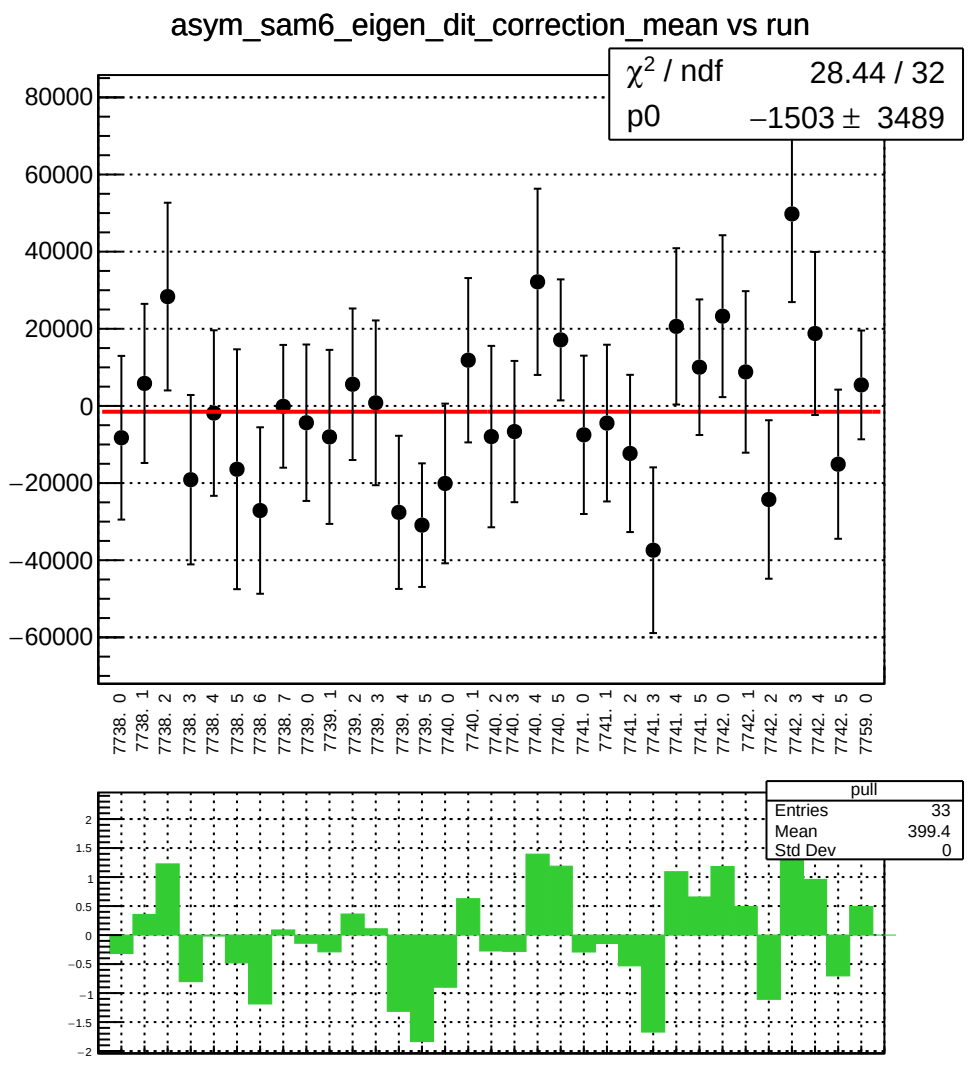

dit_asym_sam6_rms vs run
χ² / ndf 1.053e+04 / 32
p0 239.5 ± 0.2965
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

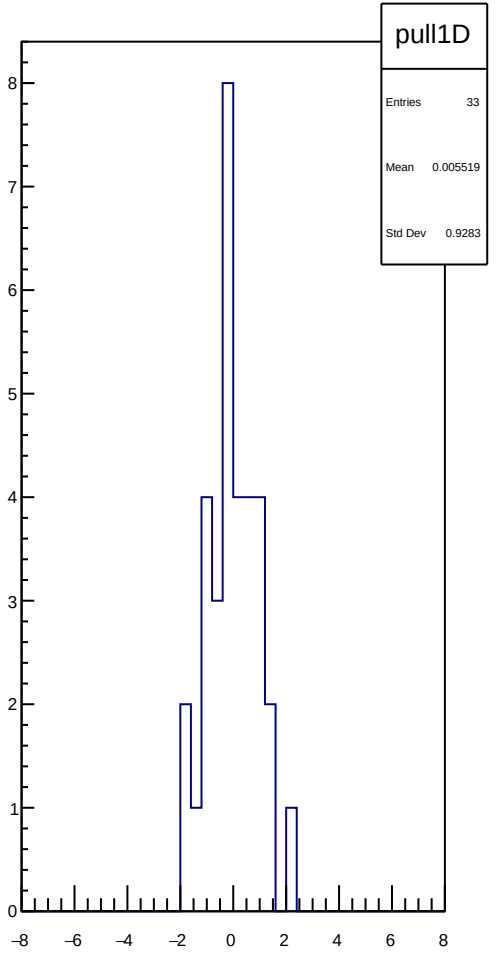

asym_sam6_dit_correction_mean vs run
χ² / ndf 28.44 / 32
p0 −1503 ± 3489
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 399.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.005519
Std Dev 0.9283
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

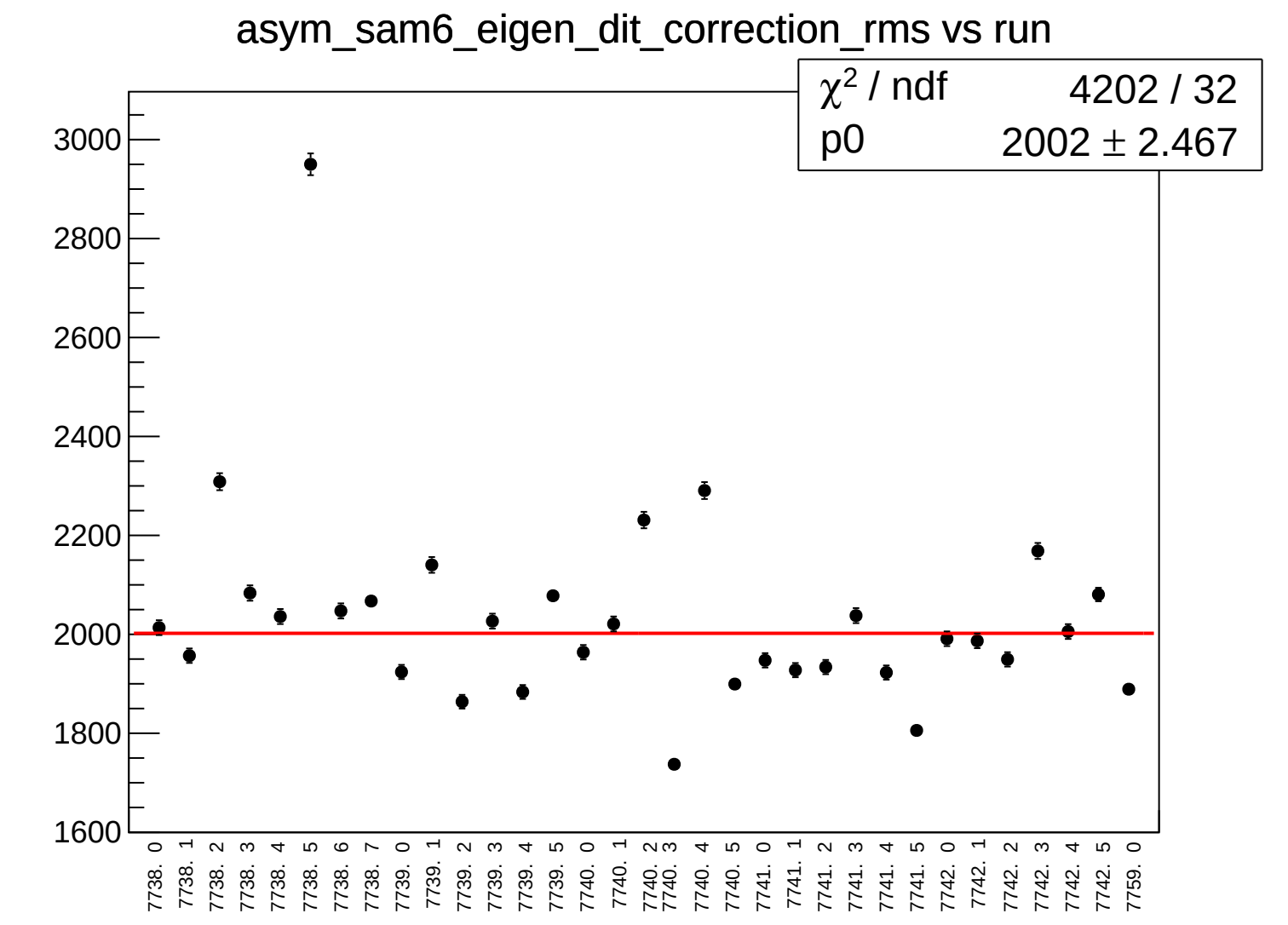

asym_sam6_dit_correction_rms vs run
χ² / ndf 4202 / 32
p0 2002 ± 2.467
3000
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

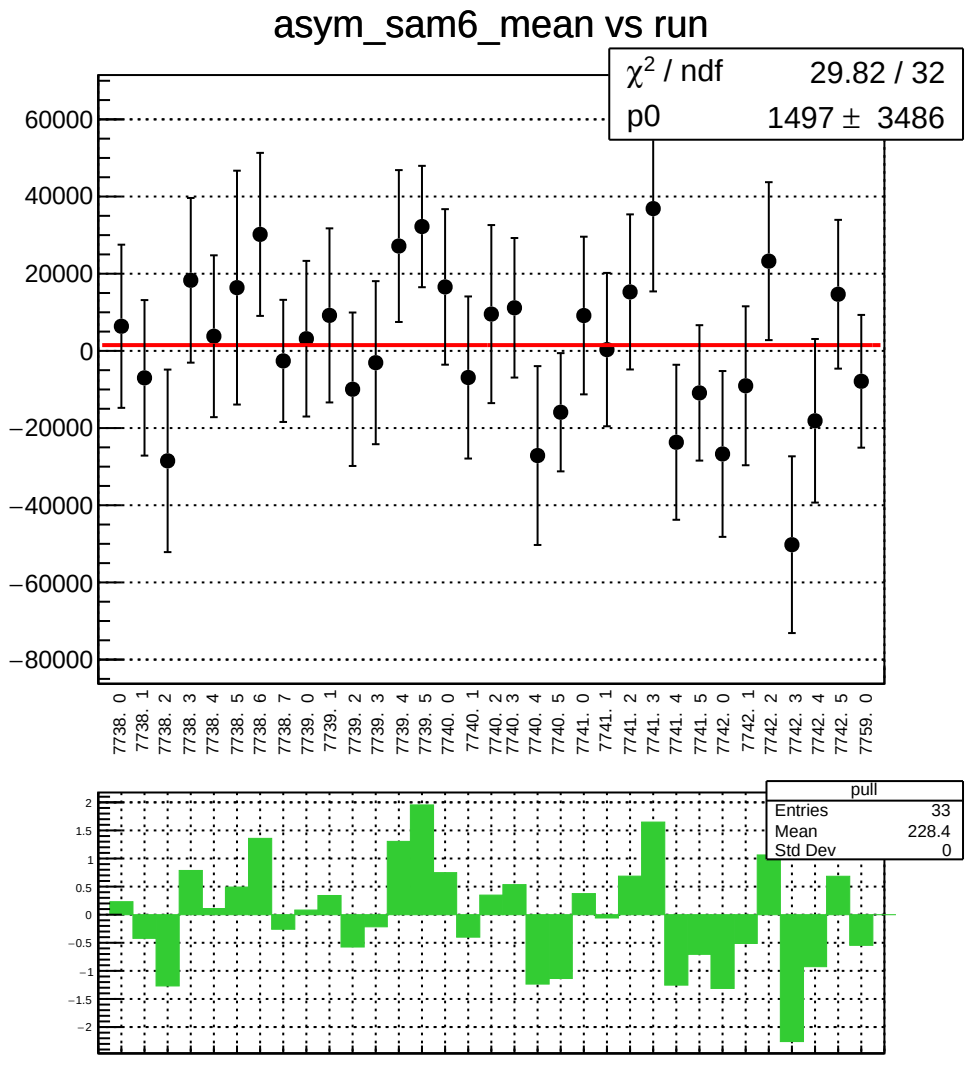

eigen_dit_asym_sam6_mean vs run
χ² / ndf 33.72 / 32
p0 −76.67 ± 419.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.34
Std Dev 39.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.0122
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

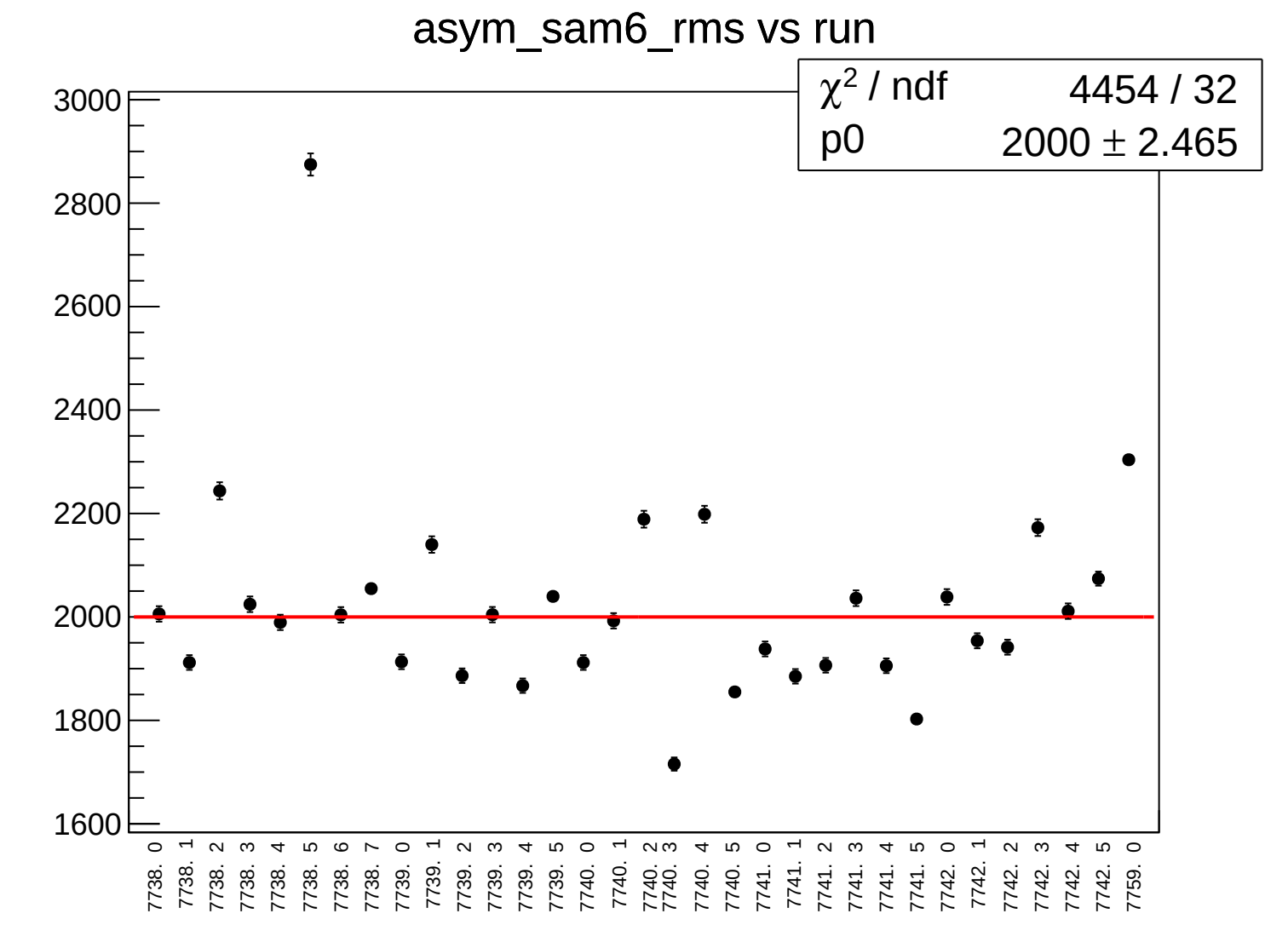

eigen_dit_asym_sam6_rms vs run
χ² / ndf 1.053e+04 / 32
p0 239.5 ± 0.2965
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

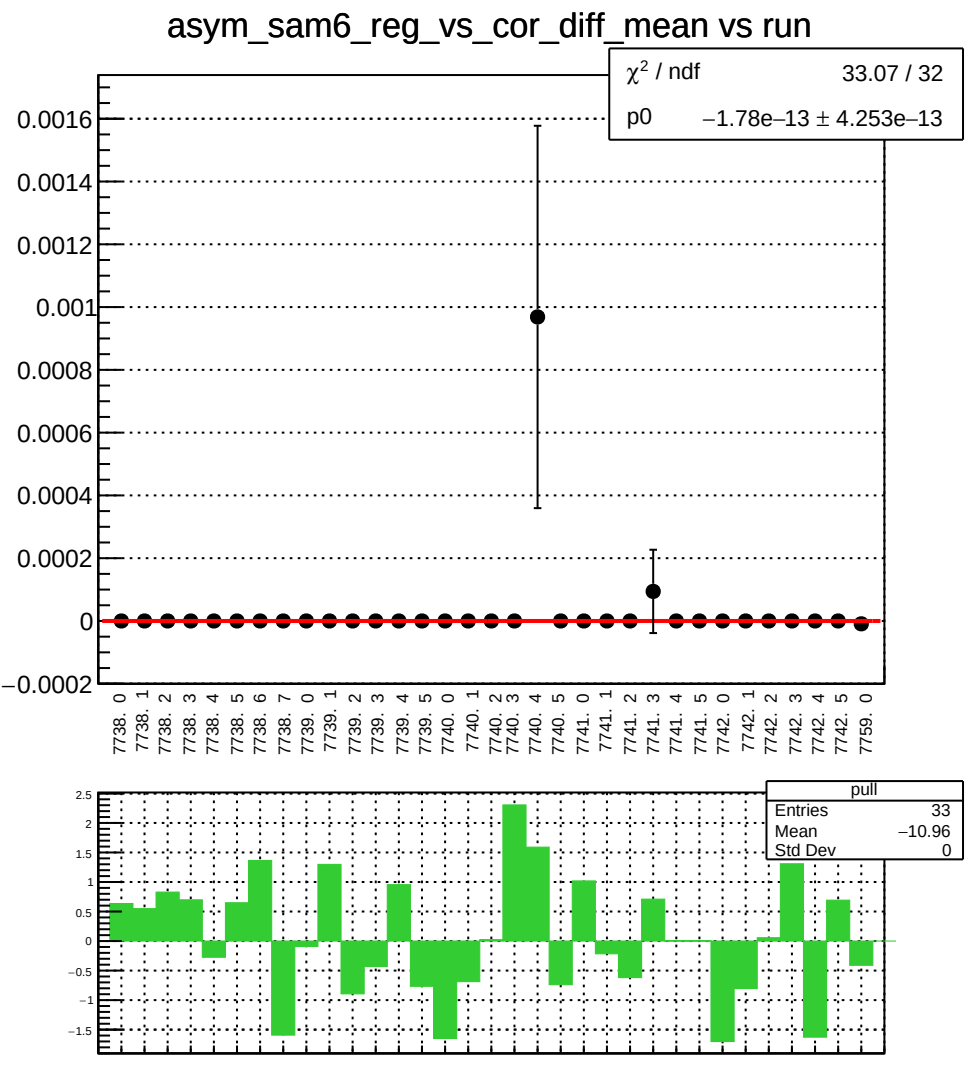

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 28.44 / 32
p0 −1503 ± 3489
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 399.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

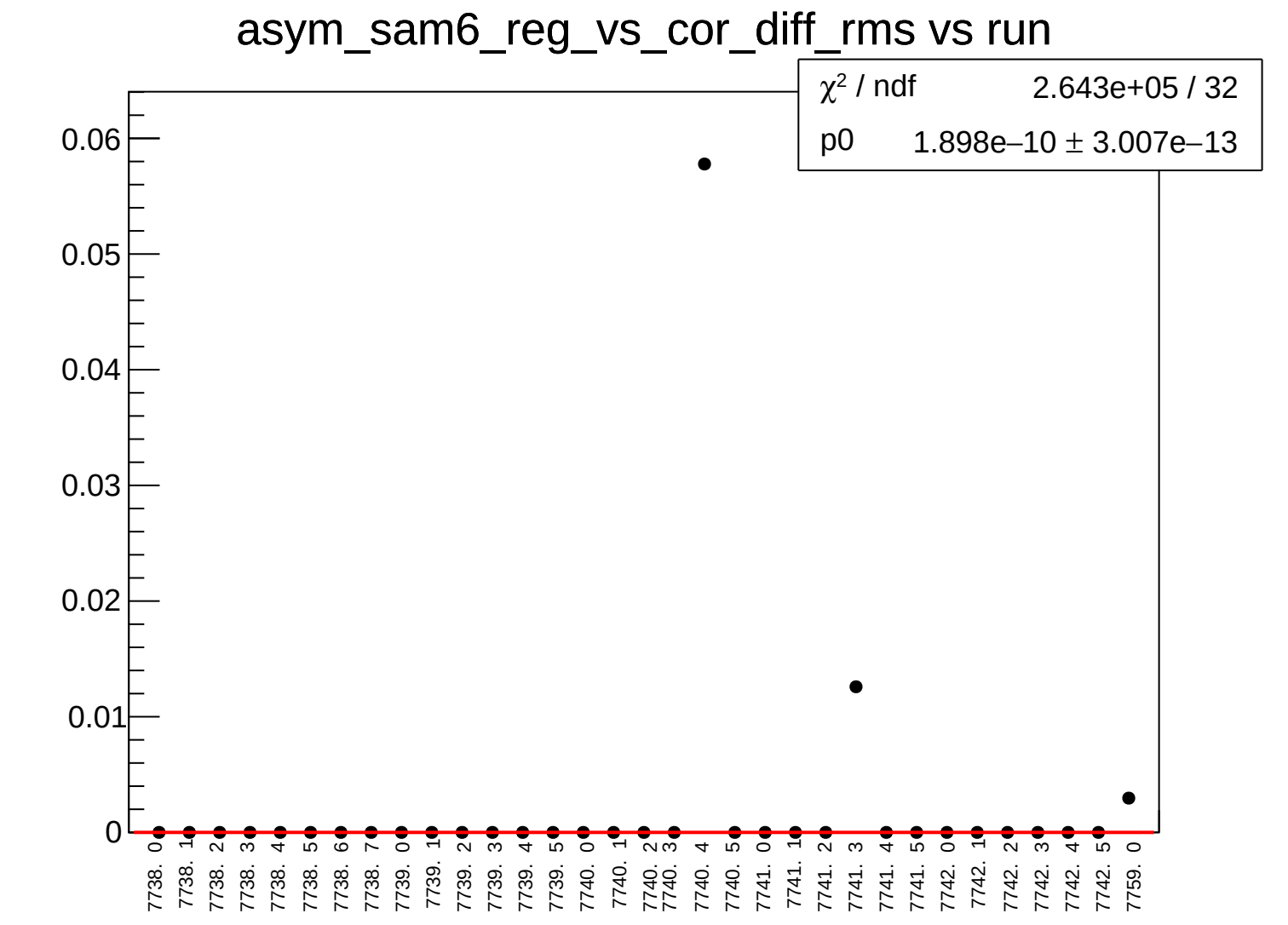

pull1D
Entries 33
Mean 0.005519
Std Dev 0.9283
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

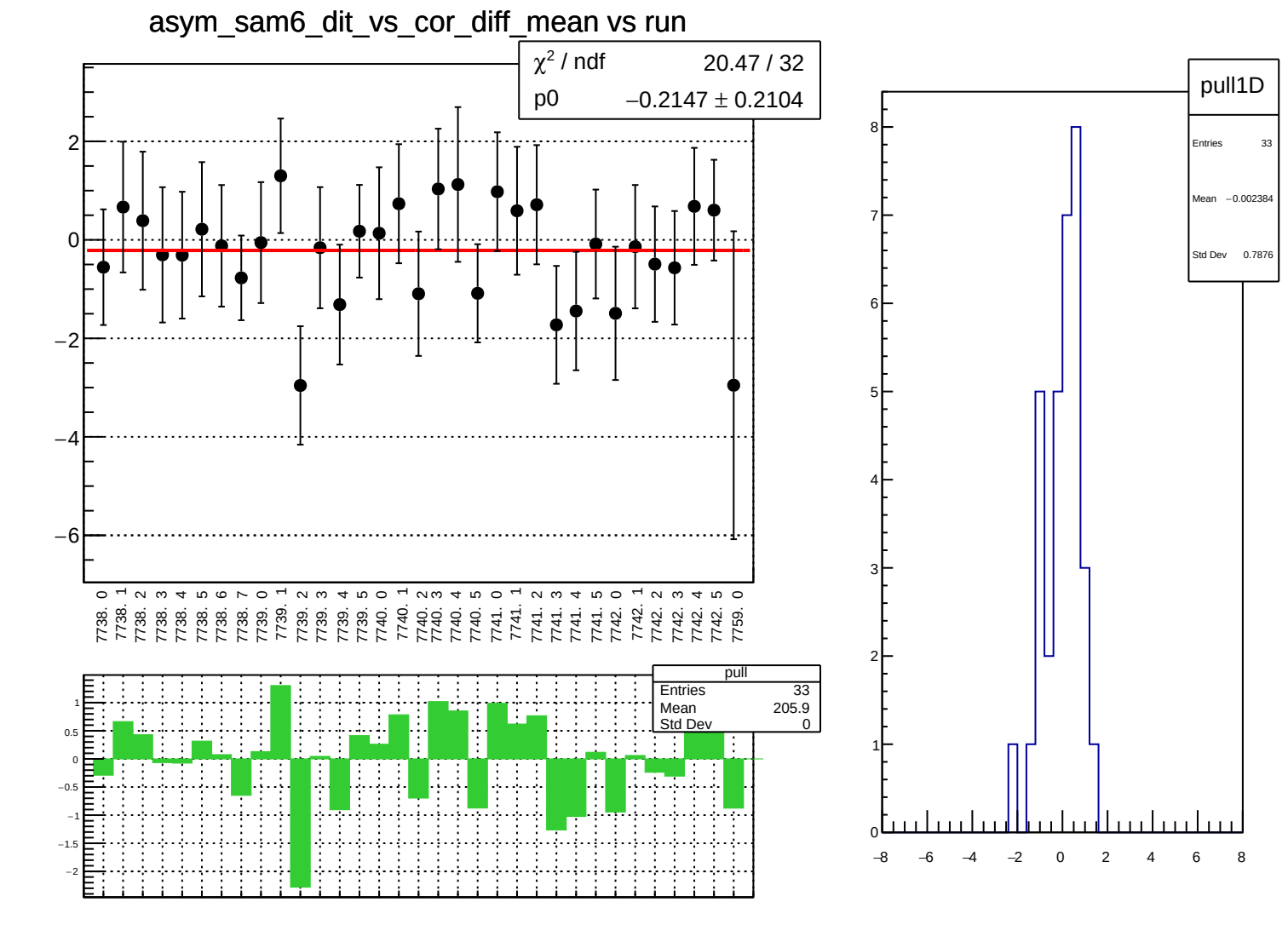

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 4202 / 32
p0 2002 ± 2.467
3000
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

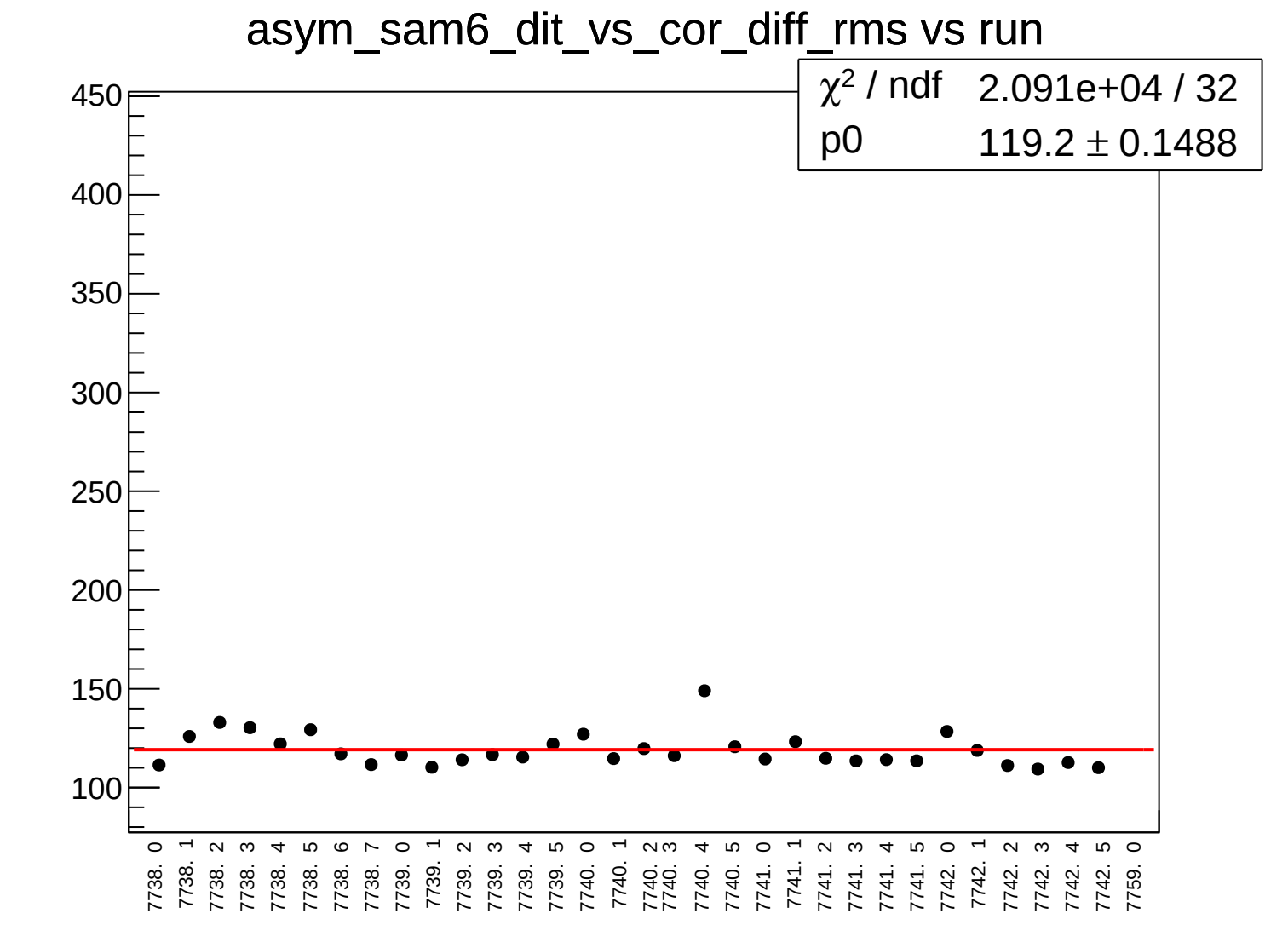

asym_sam6_mean vs run
χ² / ndf 29.82 / 32
p0 1497 ± 3486
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 228.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01003
Std Dev 0.9506
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

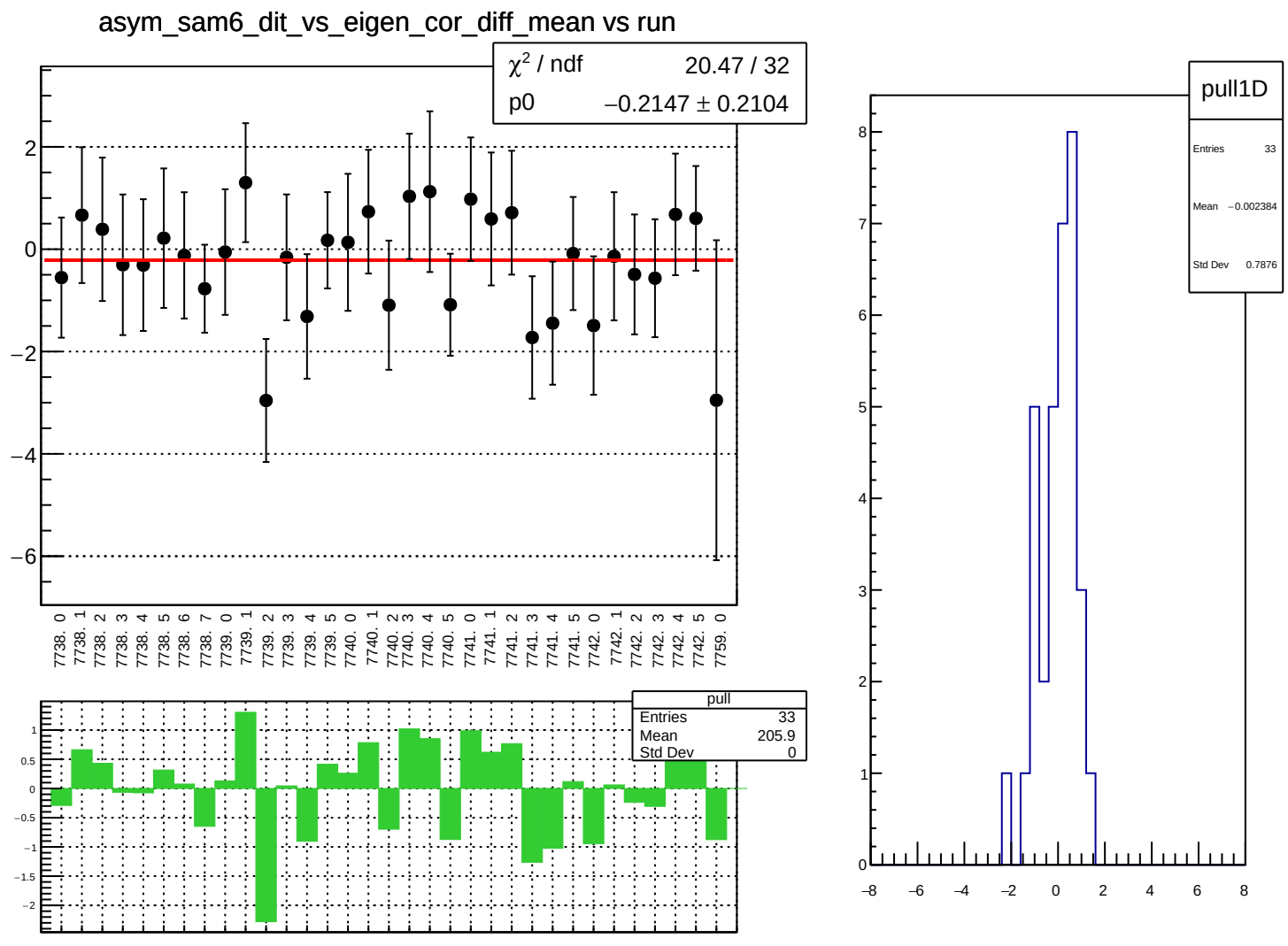

asym_sam6_rms vs run
χ² / ndf 4454 / 32
p0 2000 ± 2.465
3000
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

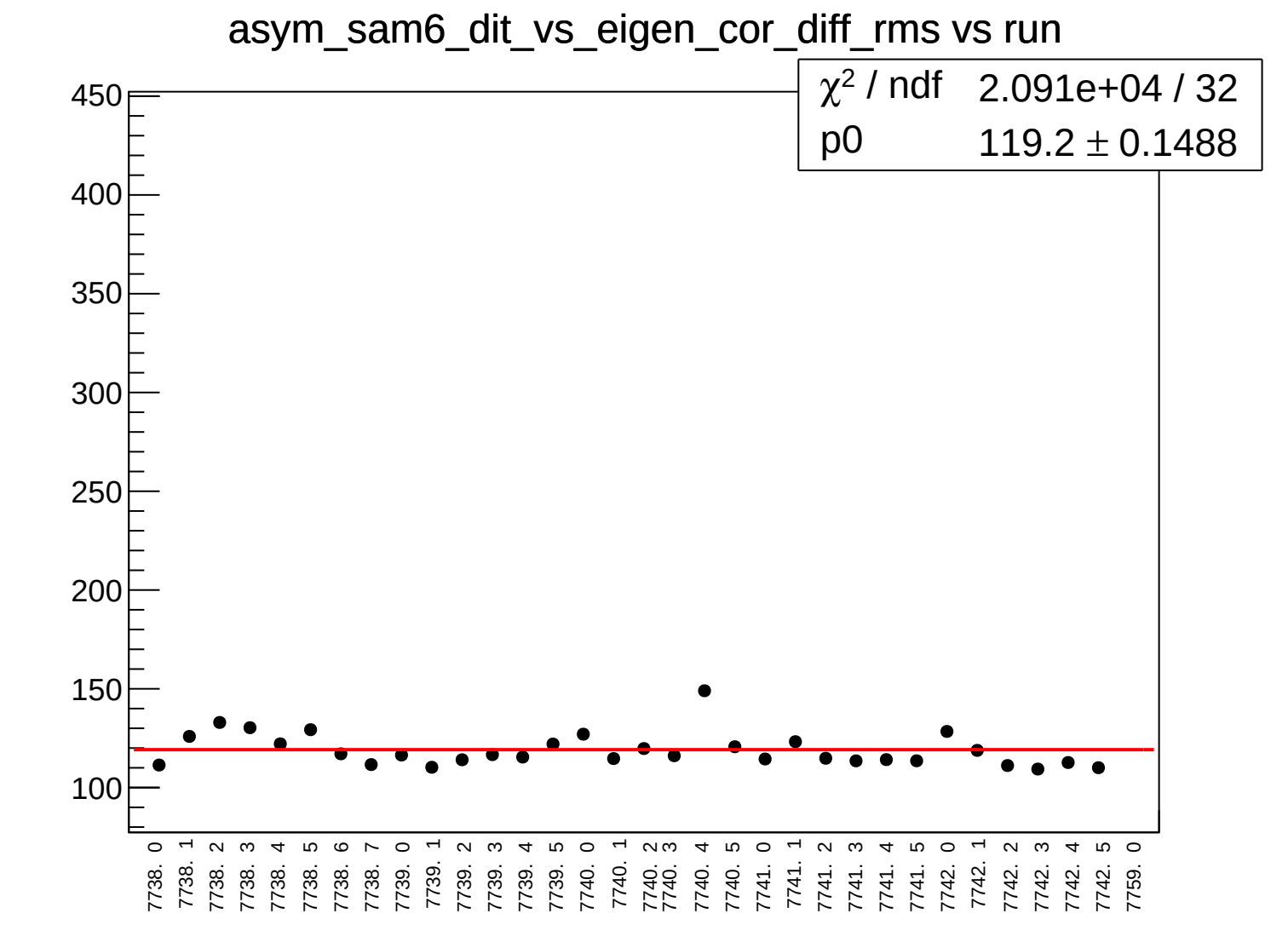

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 33.07 / 32
p0 −1.78e−13 ± 4.253e−13
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.06637
Std Dev 0.9988
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

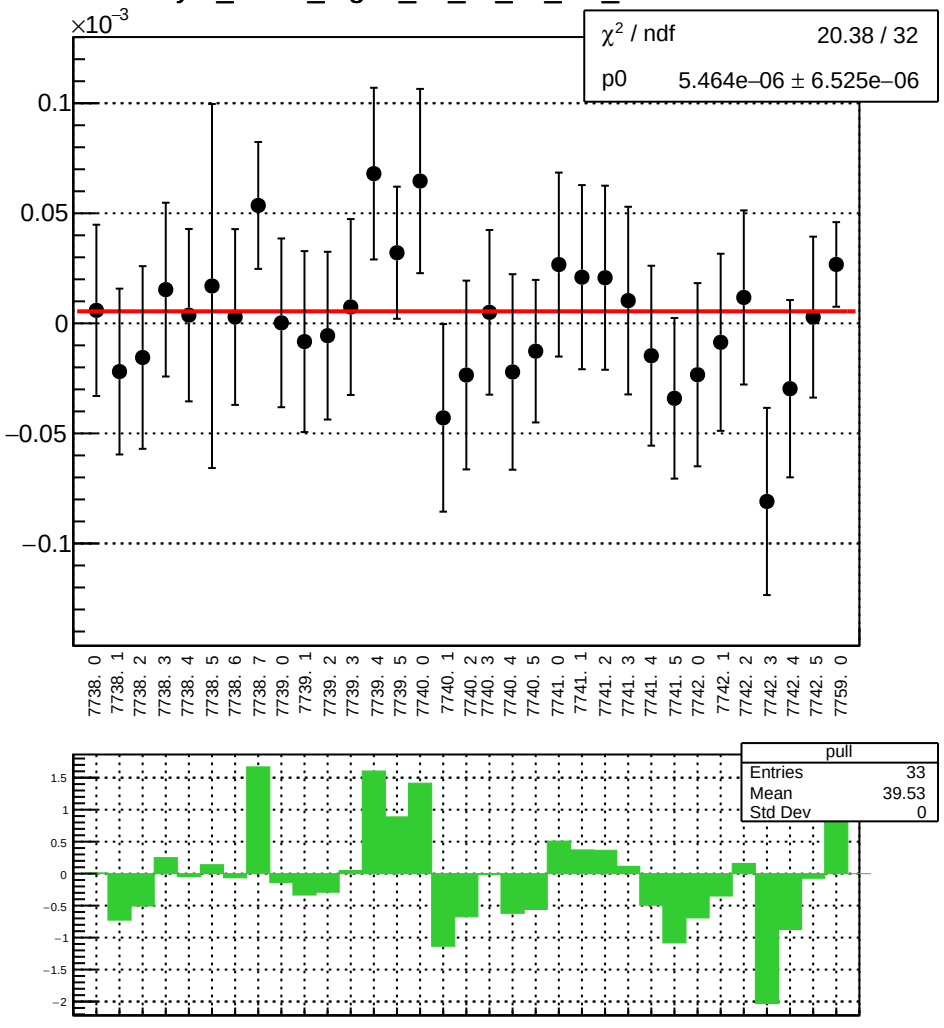

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 2.643e+05 / 32
p0 1.898e−10 ± 3.007e−13
0.06
0.05
0.04
0.03
0.02
0.01
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

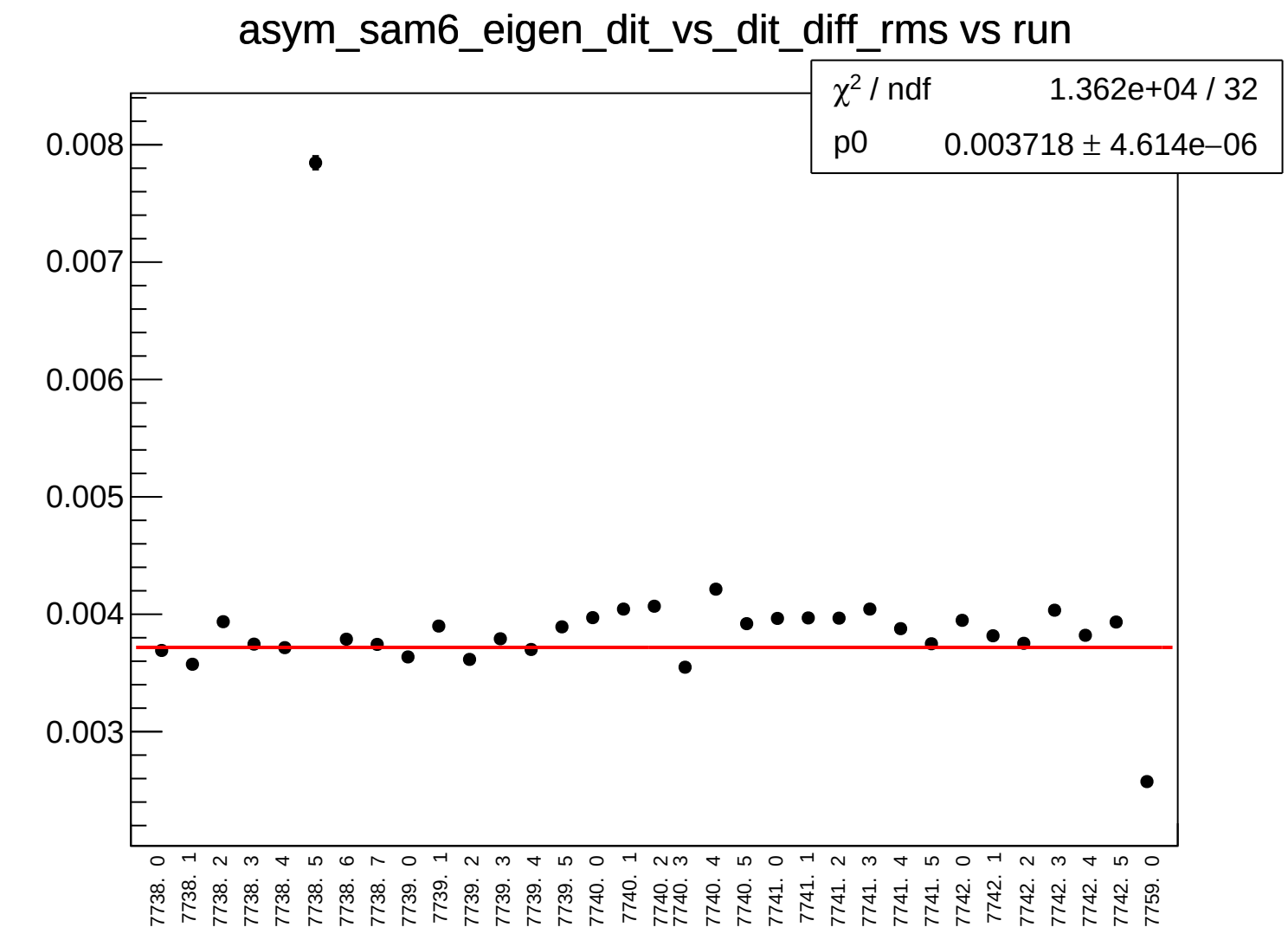

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 20.47 / 32
p0 −0.2147 ± 0.2104
pull
Entries 33
Mean 205.9
Std Dev 0
pull1D
Entries 33
Mean −0.002384
Std Dev 0.7876

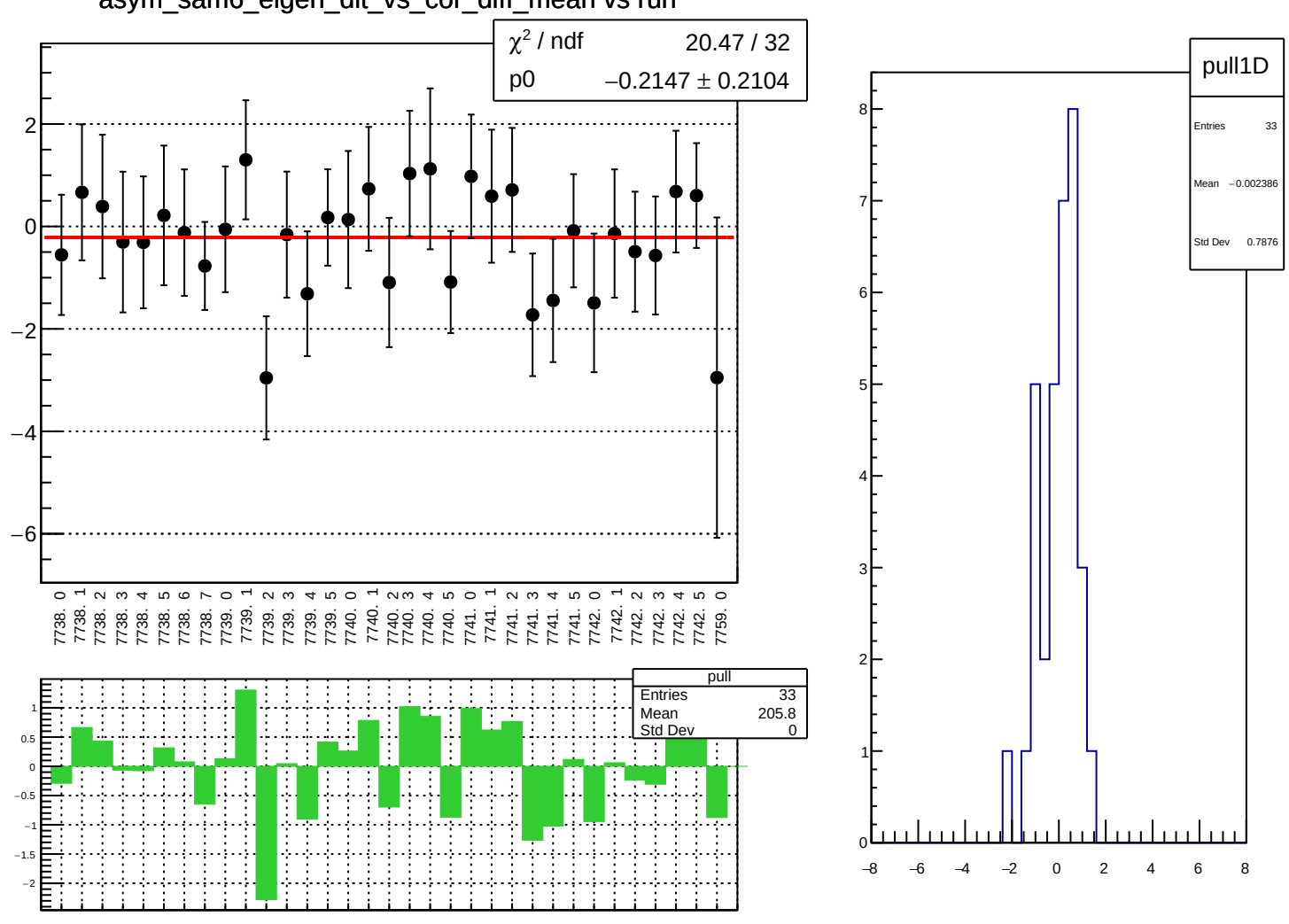

asym_sam6_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.091e+04 / 32
p0 119.2 ± 0.1488
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

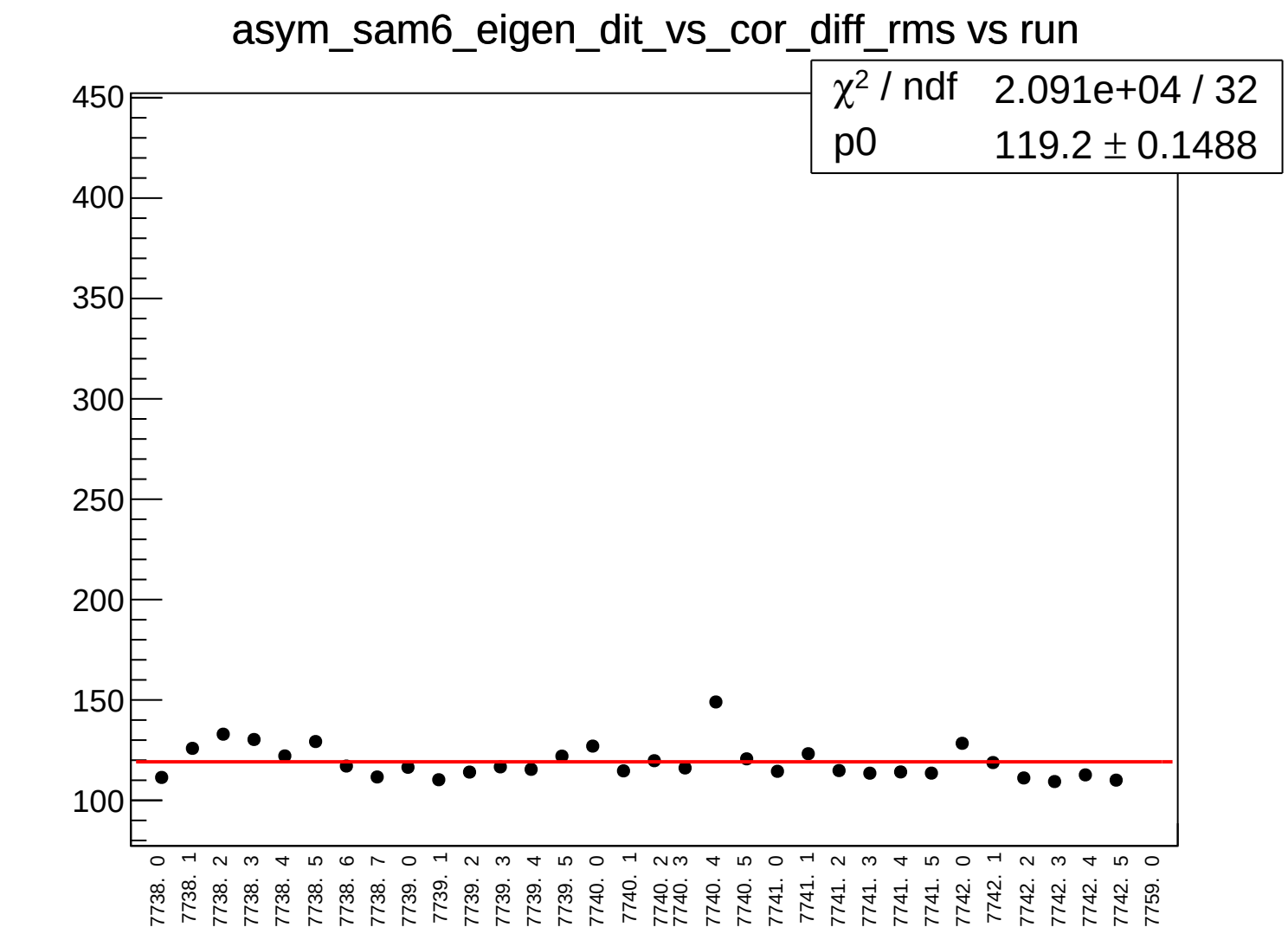

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.47 / 32
p0 −0.2147 ± 0.2104
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 205.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.002384
Std Dev 0.7876
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

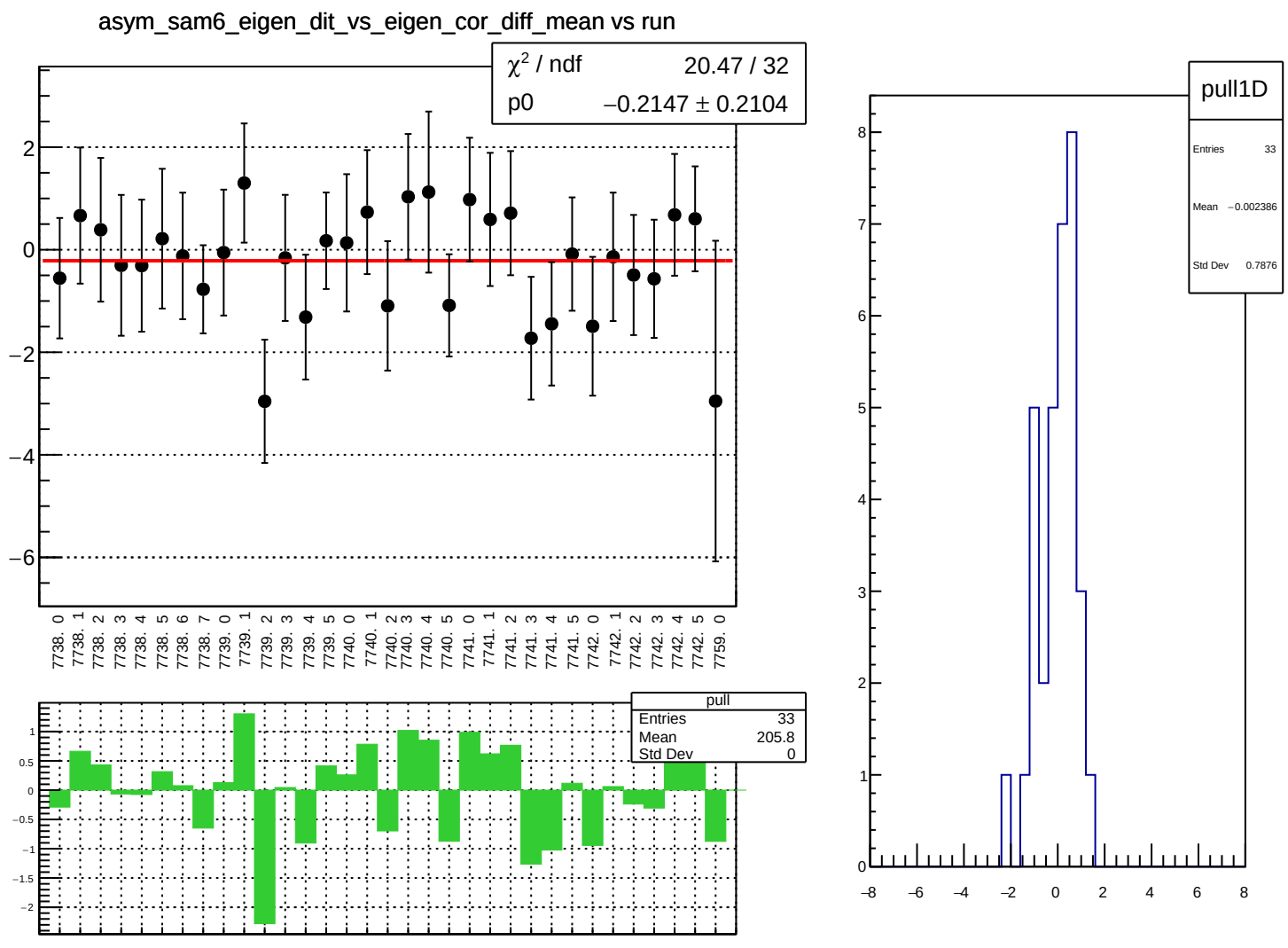

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.091e+04 / 32
p0 119.2 ± 0.1488
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

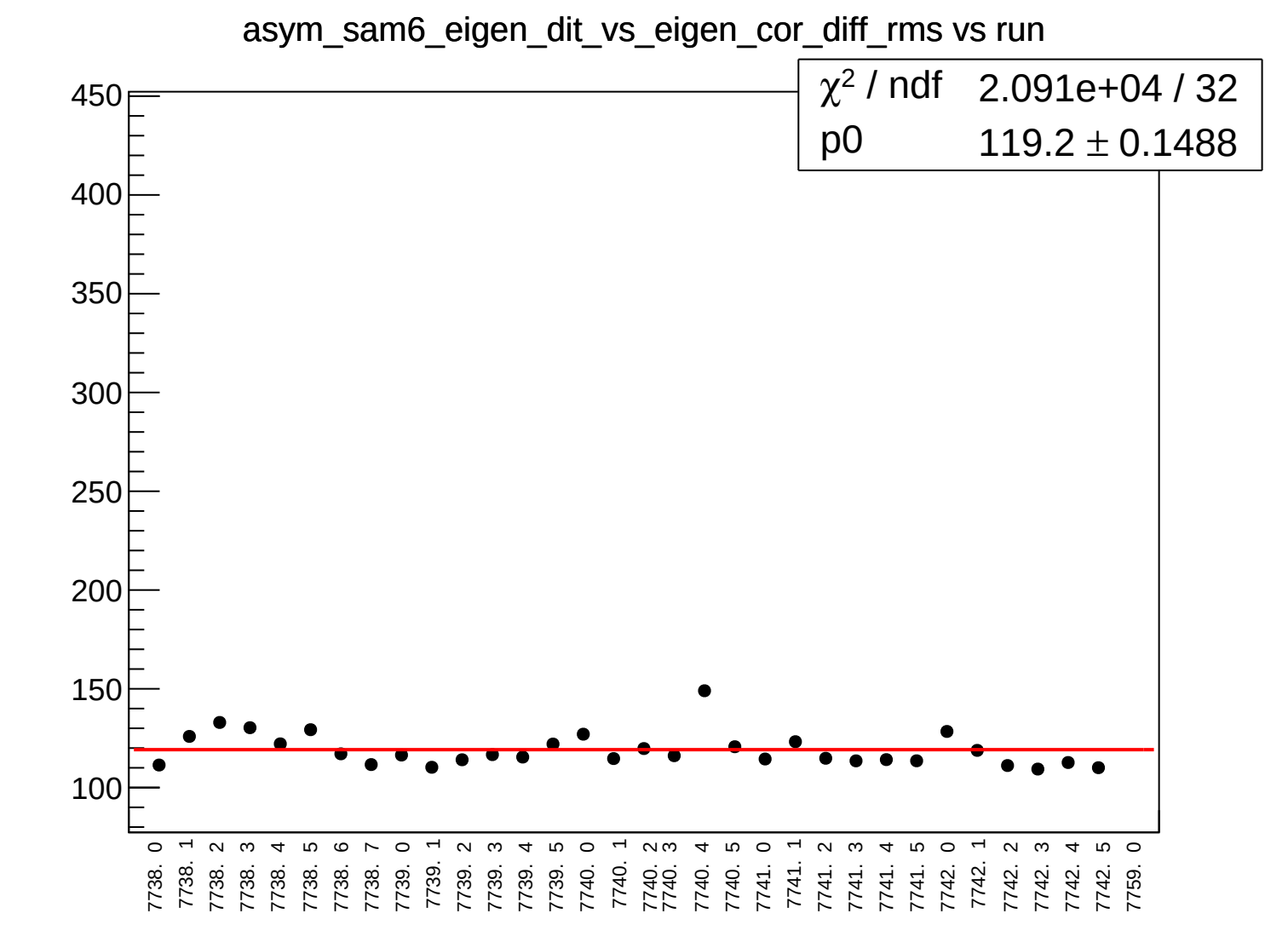

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 20.38 / 32
p0 5.464e−06 ± 6.525e−06
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.06216
Std Dev 0.7834
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

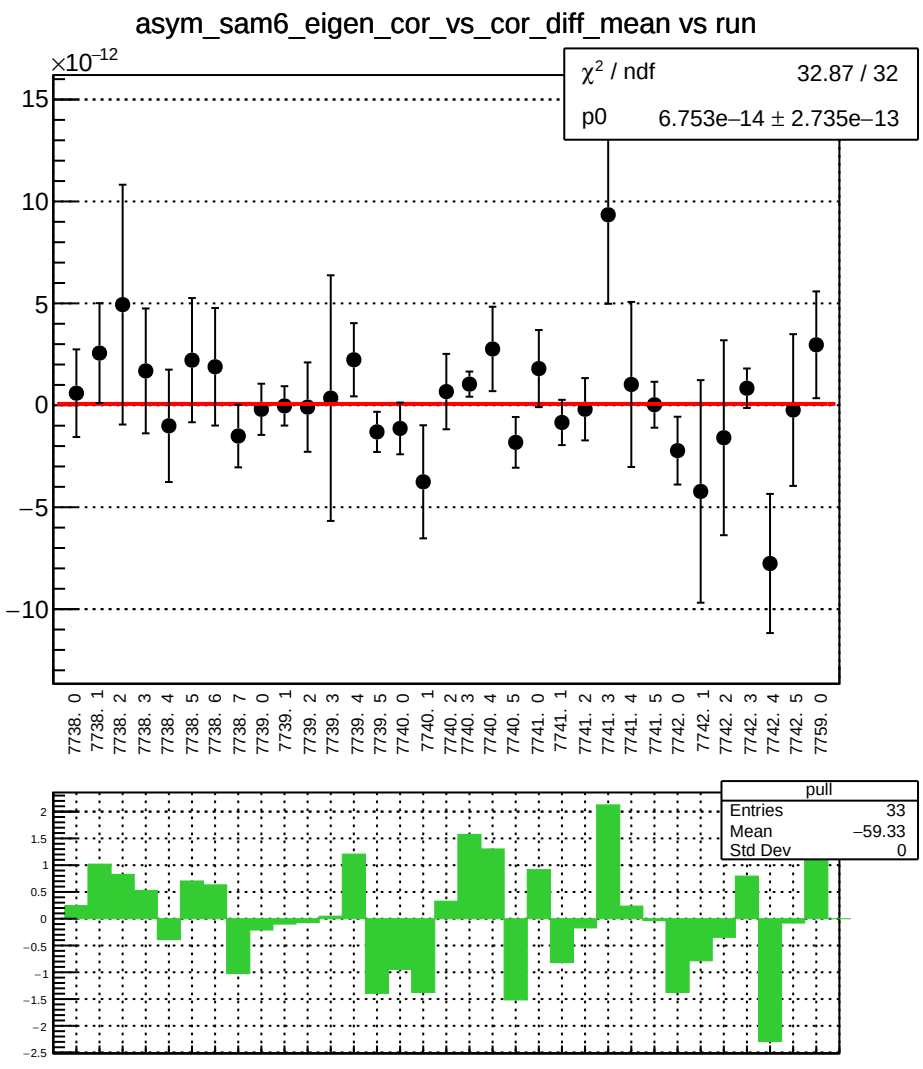

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.362e+04 / 32
p0 0.003718 ± 4.614e−06
0.008
0.007
0.006
0.005
0.004
0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

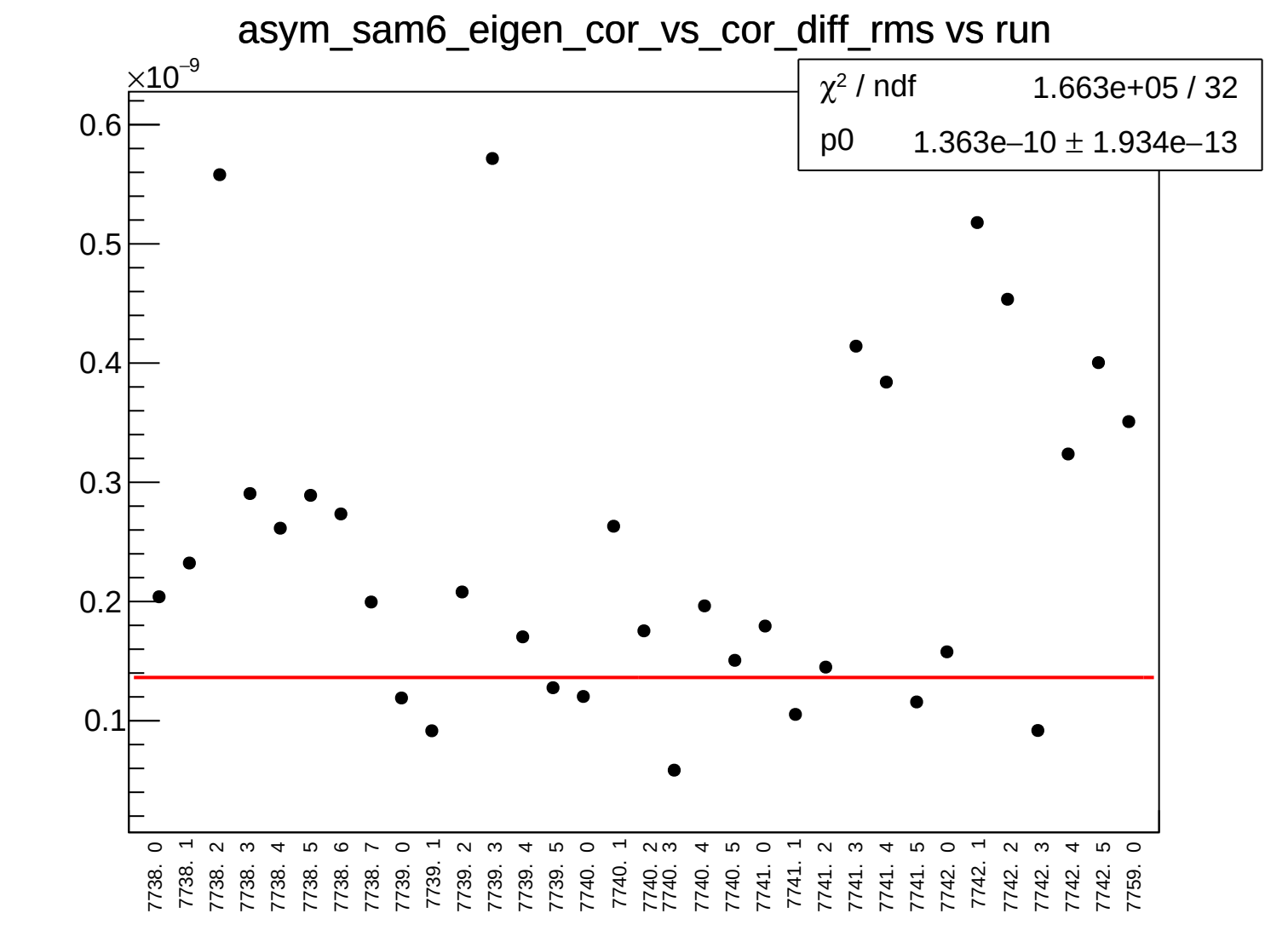

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 20.47 / 32
p0 −0.2147 ± 0.2104
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 205.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.002386
Std Dev 0.7876
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

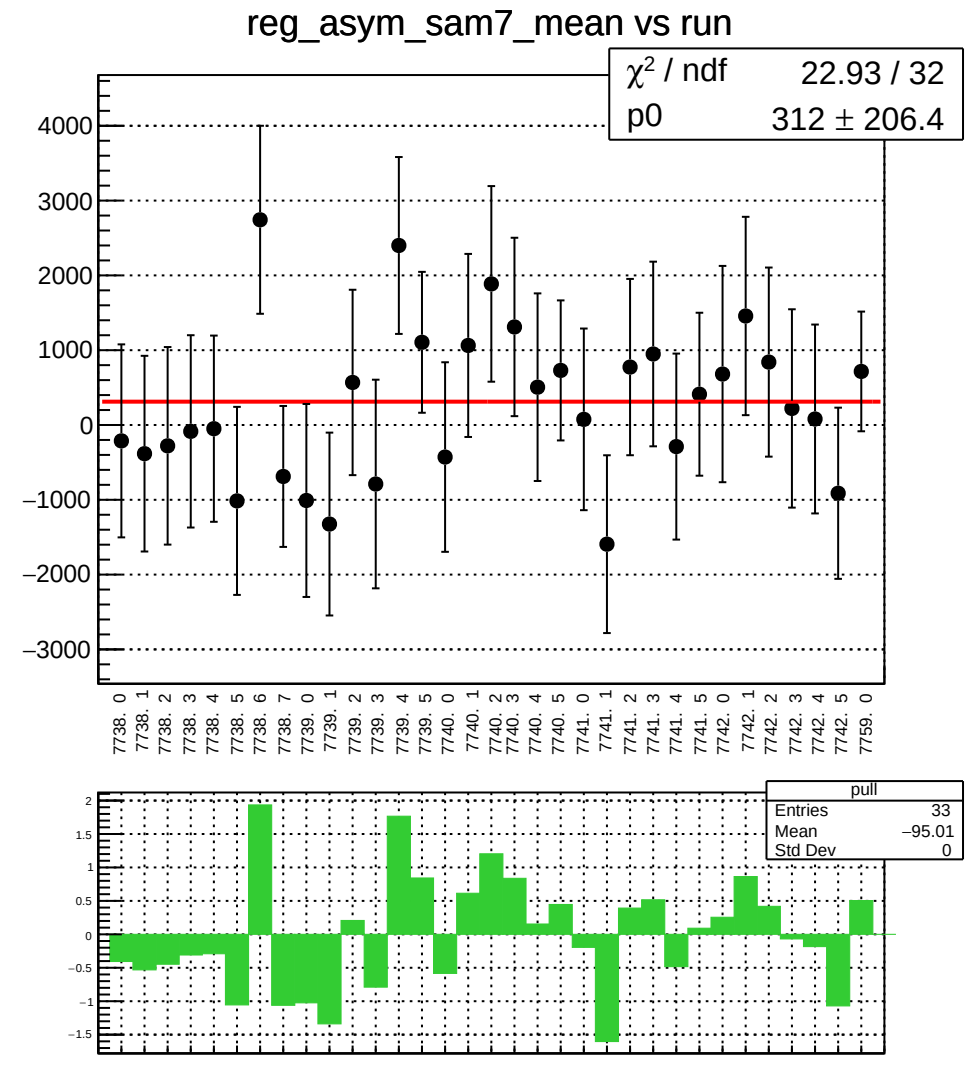

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.091e+04 / 32
p0 119.2 ± 0.1488
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

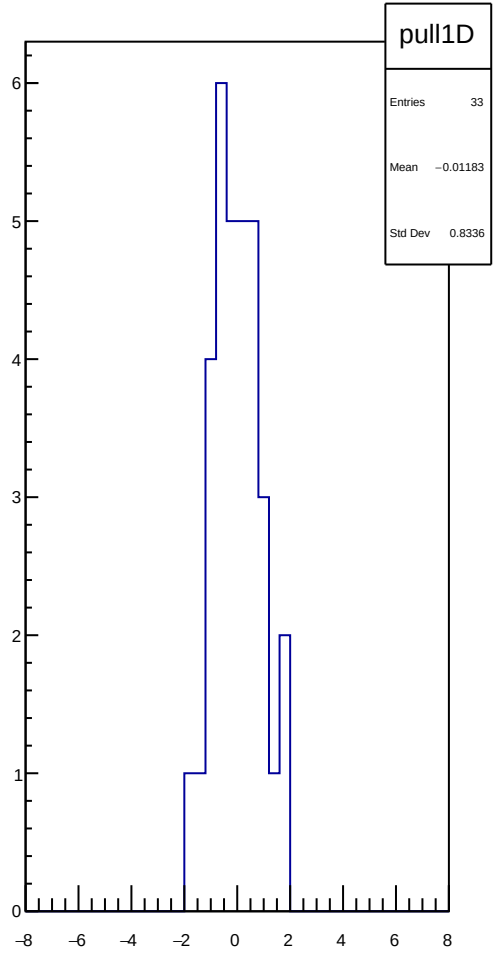

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.47 / 32
p0 −0.2147 ± 0.2104
pull
Entries 33
Mean 205.8
Std Dev 0
pull1D
Entries 33
Mean −0.002386
Std Dev 0.7876

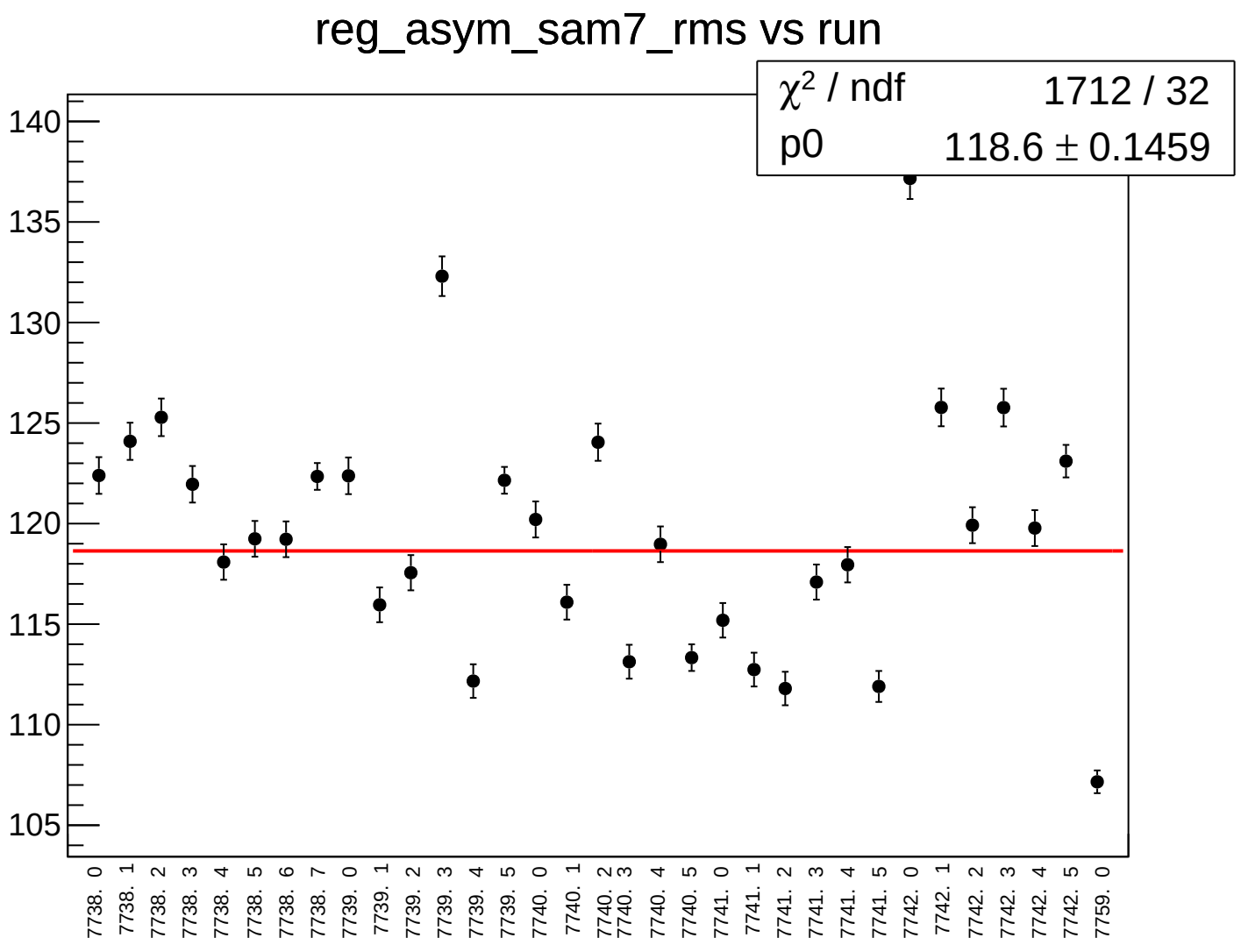

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.091e+04 / 32
p0 119.2 ± 0.1488
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

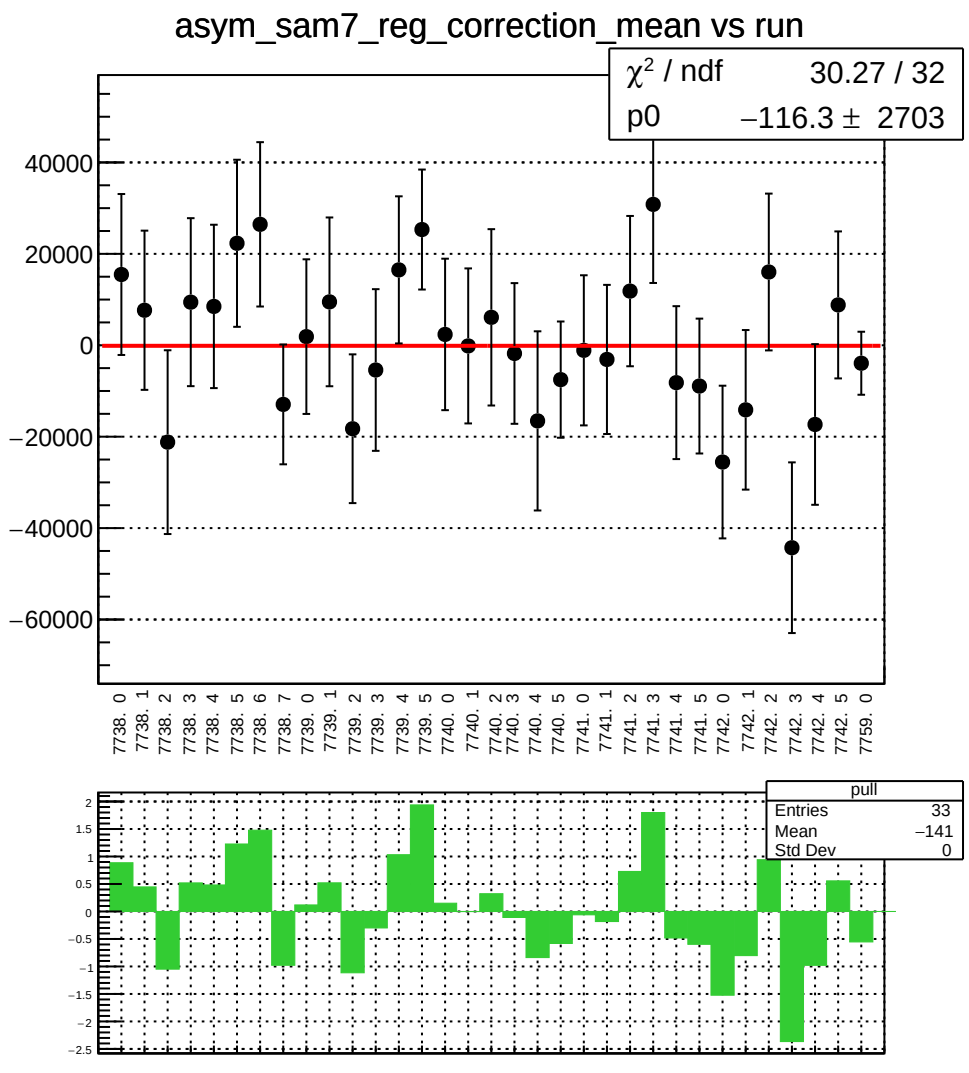

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 32.87 / 32
p0 6.753e−14 ± 2.735e−13
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −59.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01993
Std Dev 0.9978
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

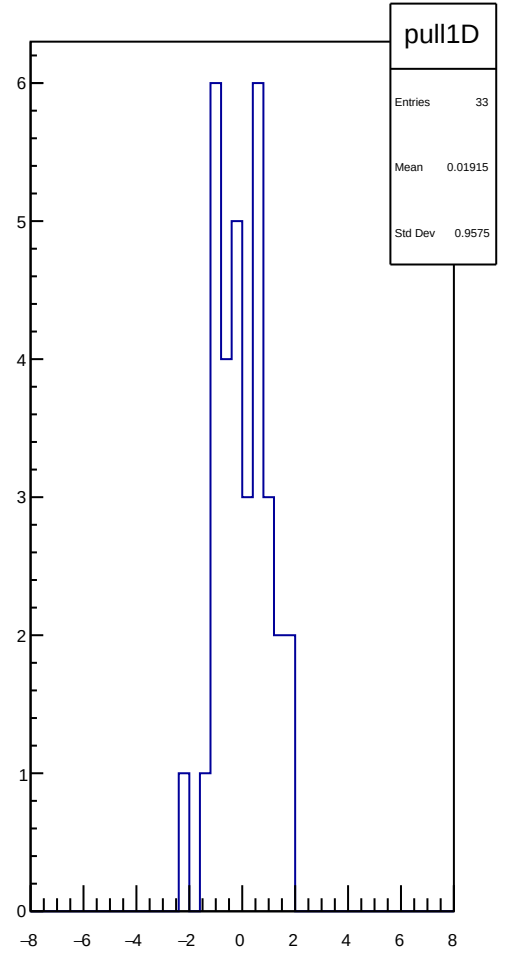

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.663e+05 / 32
p0 1.363e−10 ± 1.934e−13
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

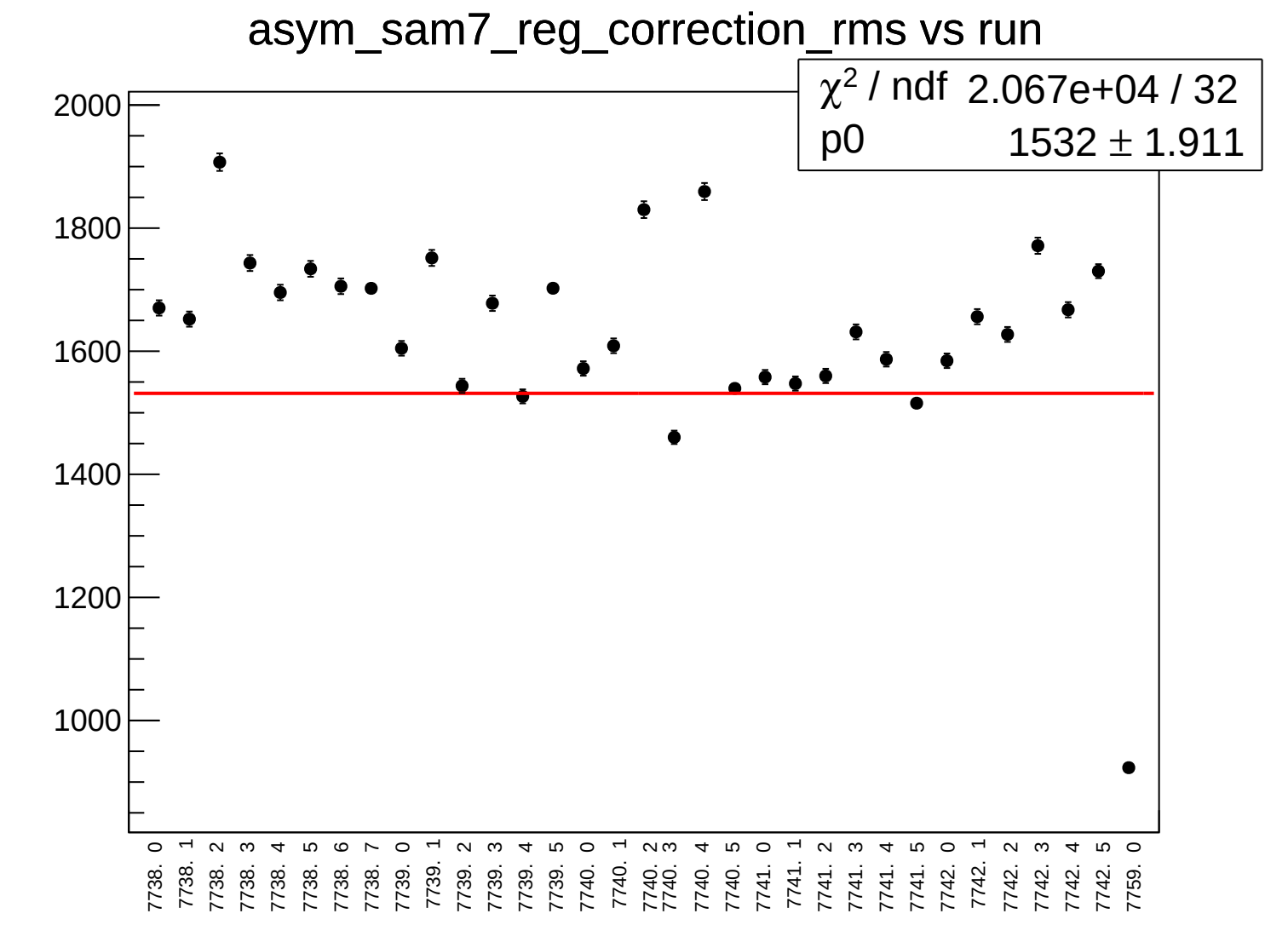

reg_asym_sam7_mean vs run
χ² / ndf 22.93 / 32
p0 312 ± 206.4
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −95.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

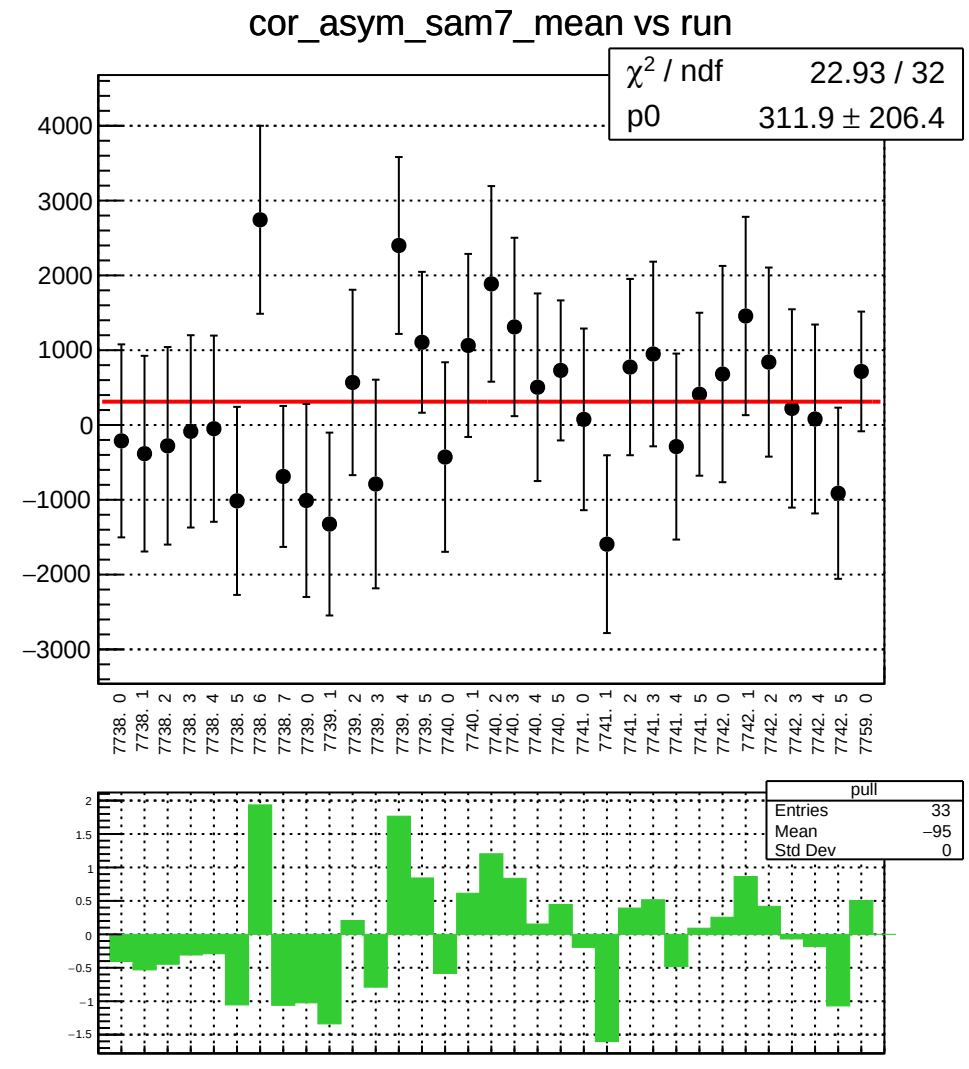

pull1D
Entries 33
Mean −0.01183
Std Dev 0.8336
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

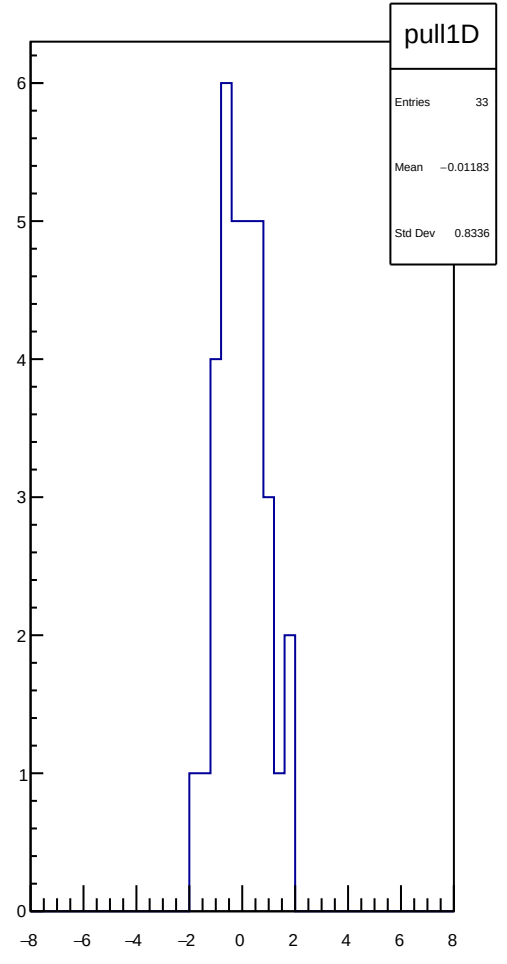

reg_asym_sam7_rms vs run
χ² / ndf 1712 / 32
p0 118.6 ± 0.1459
140
135
130
125
120
115
110
105
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

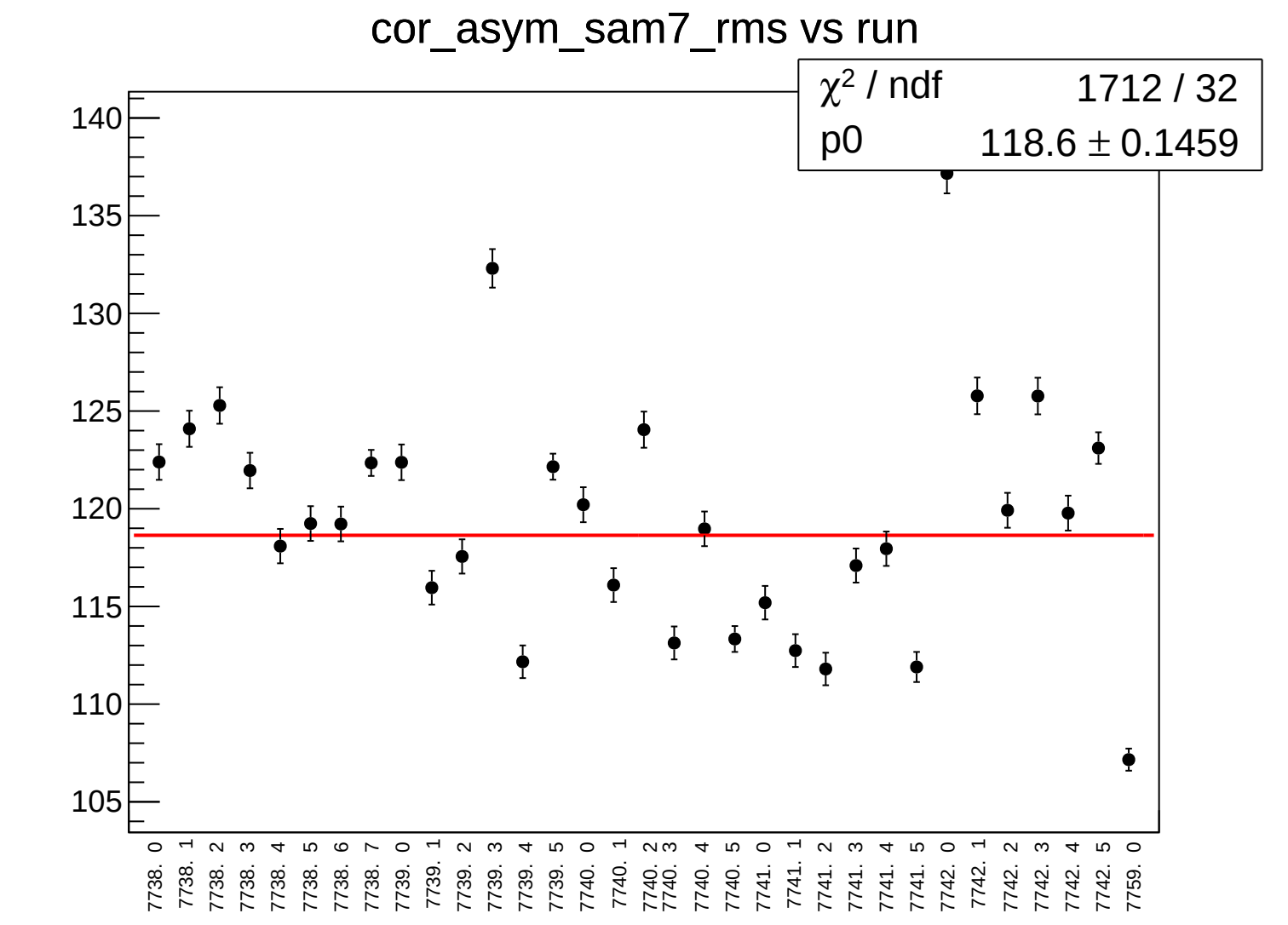

asym_sam7_reg_correction_mean vs run
χ² / ndf 30.27 / 32
p0 −116.3 ± 2703
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −141
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

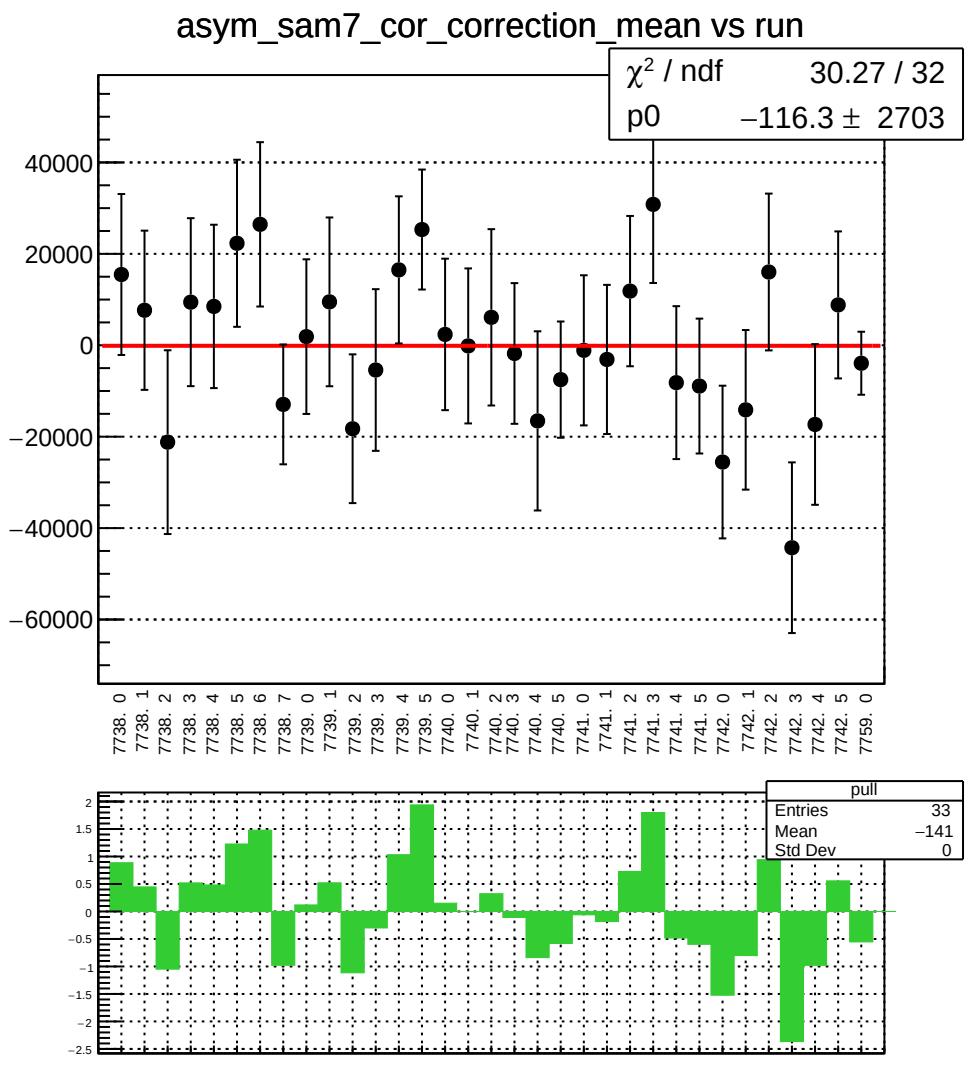

pull1D
Entries 33
Mean 0.01915
Std Dev 0.9575
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

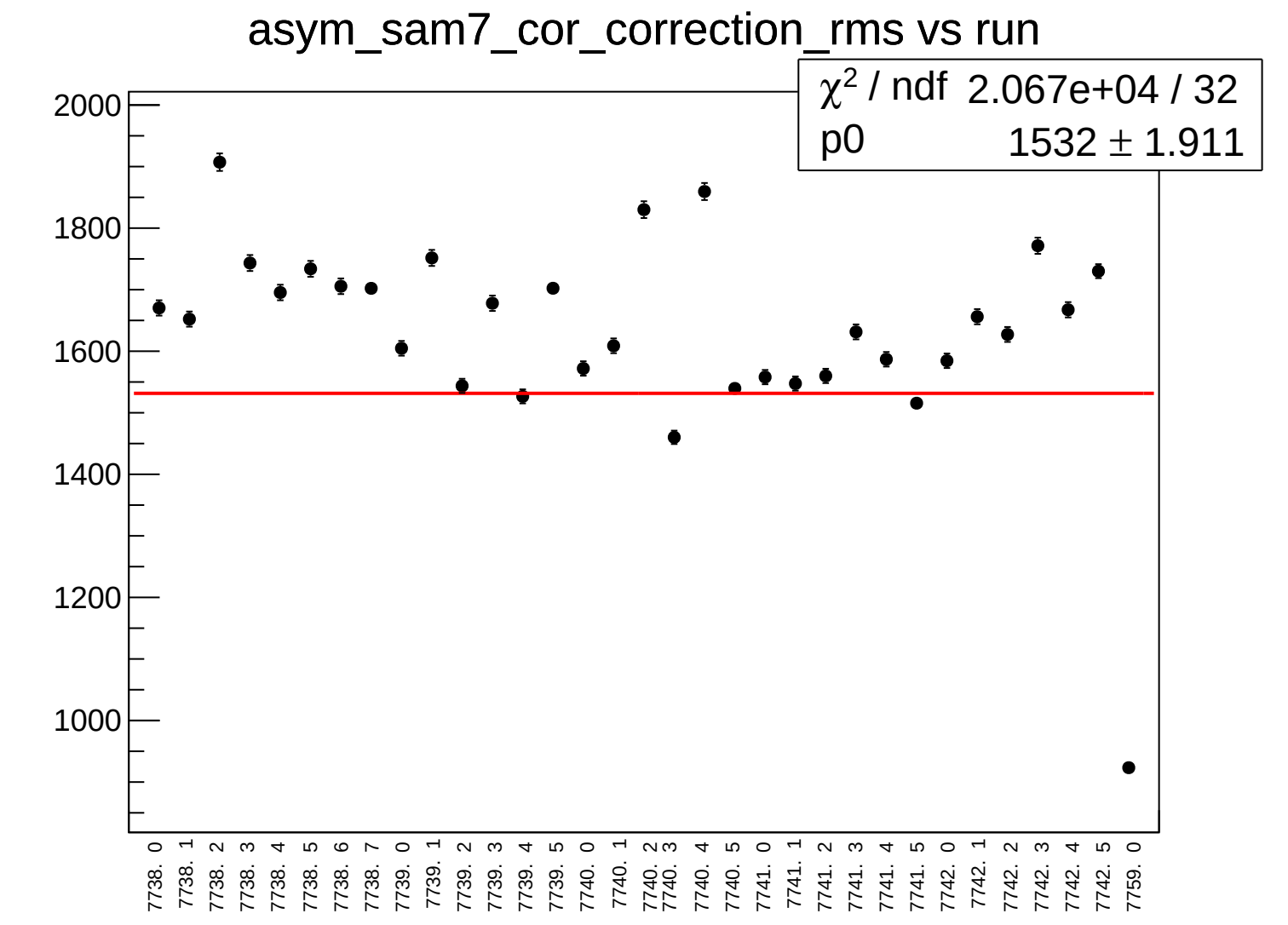

asym_sam7_reg_correction_rms vs run
χ² / ndf 2.067e+04 / 32
p0 1532 ± 1.911
2000
1800
1600
1400
1200
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

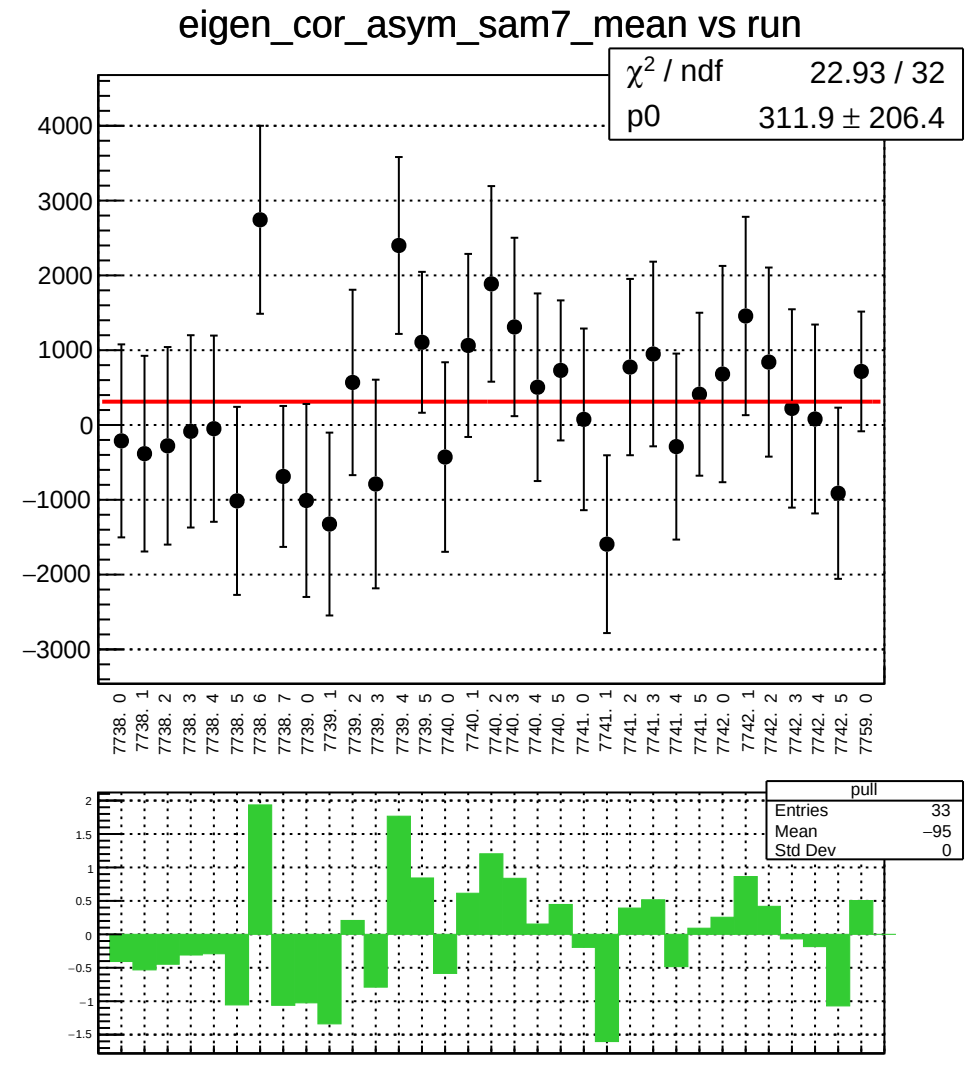

cor_asym_sam7_mean vs run
χ² / ndf 22.93 / 32
p0 311.9 ± 206.4
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

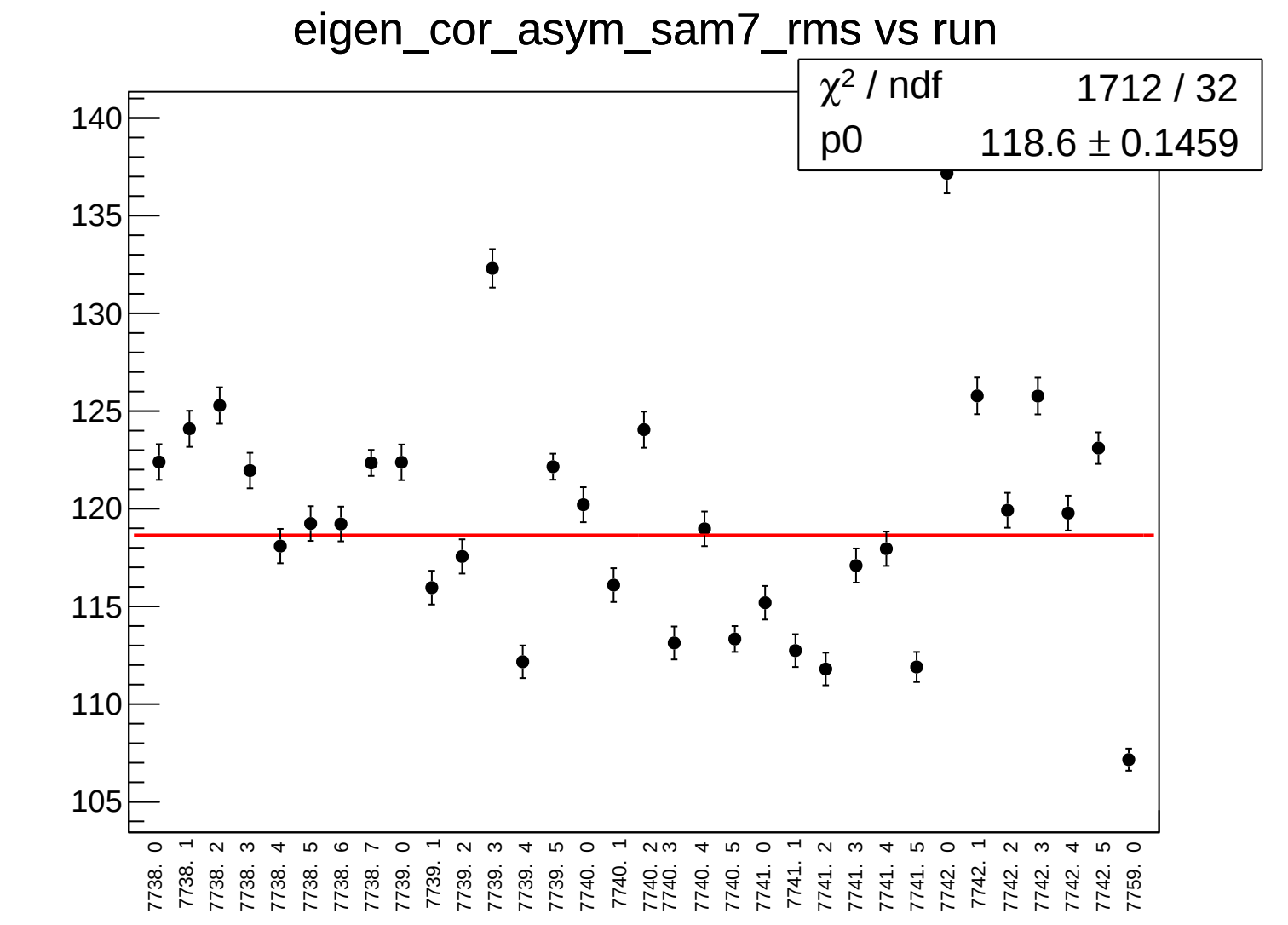

pull1D
Entries 33
Mean −0.01183
Std Dev 0.8336
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

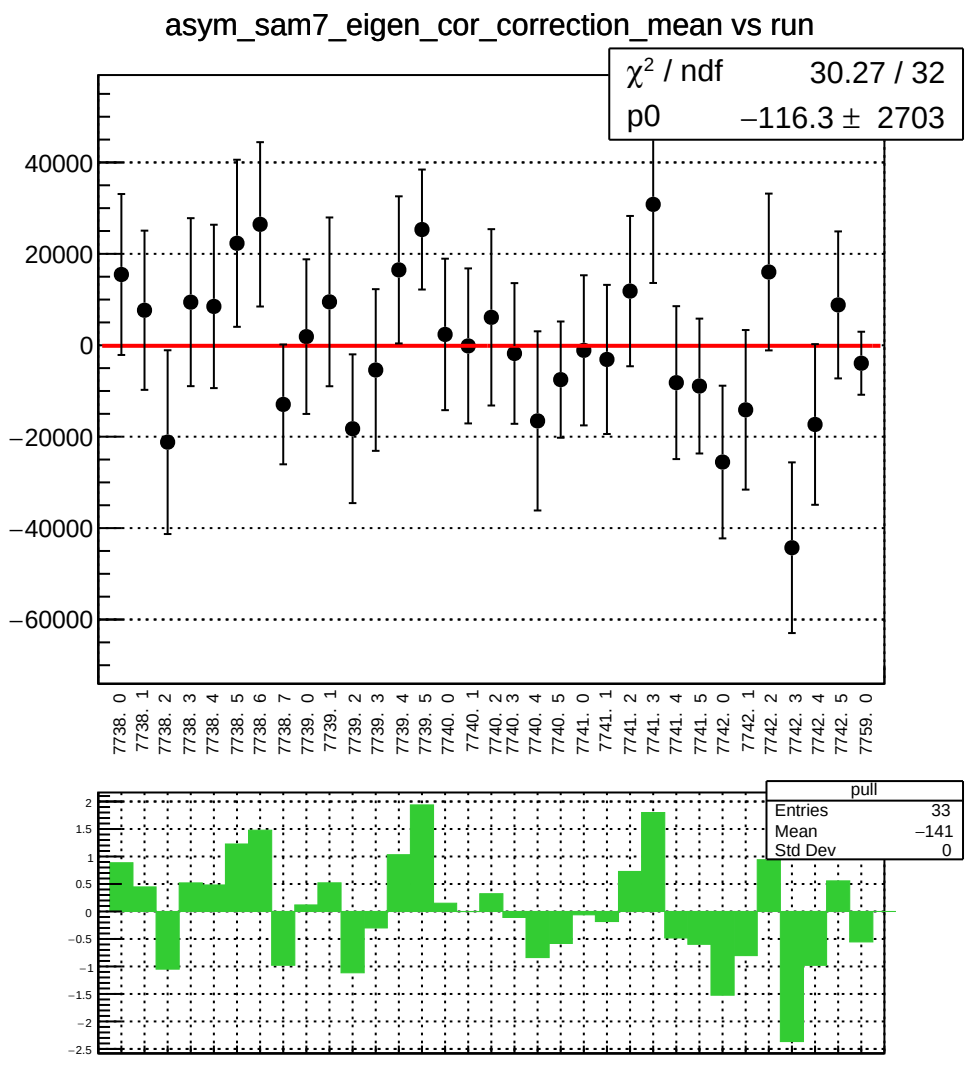

cor_asym_sam7_rms vs run
χ² / ndf 1712 / 32
p0 118.6 ± 0.1459
140
135
130
125
120
115
110
105
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

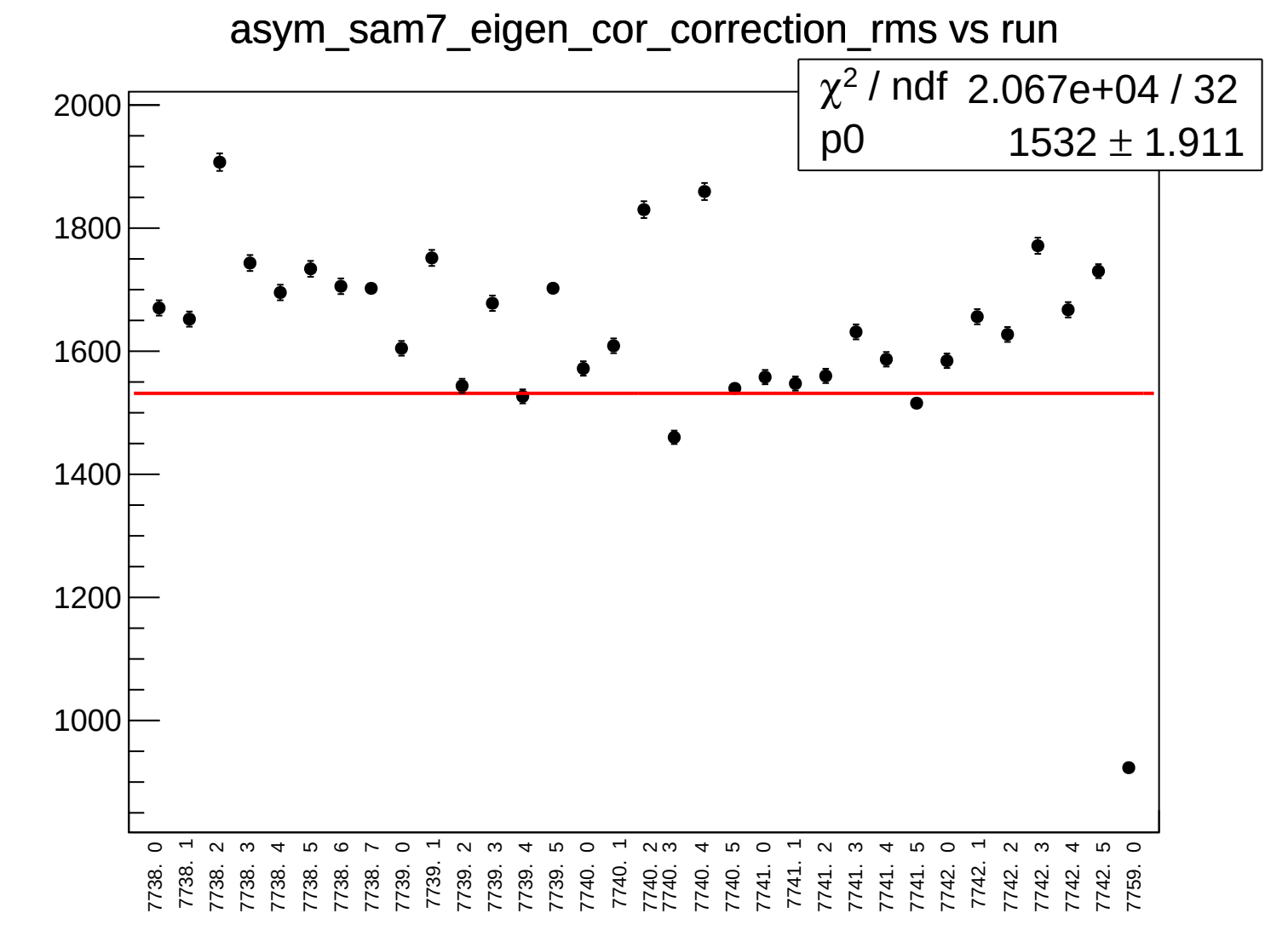

asym_sam7_cor_correction_mean vs run
χ² / ndf 30.27 / 32
p0 −116.3 ± 2703
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −141
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01915
Std Dev 0.9575
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

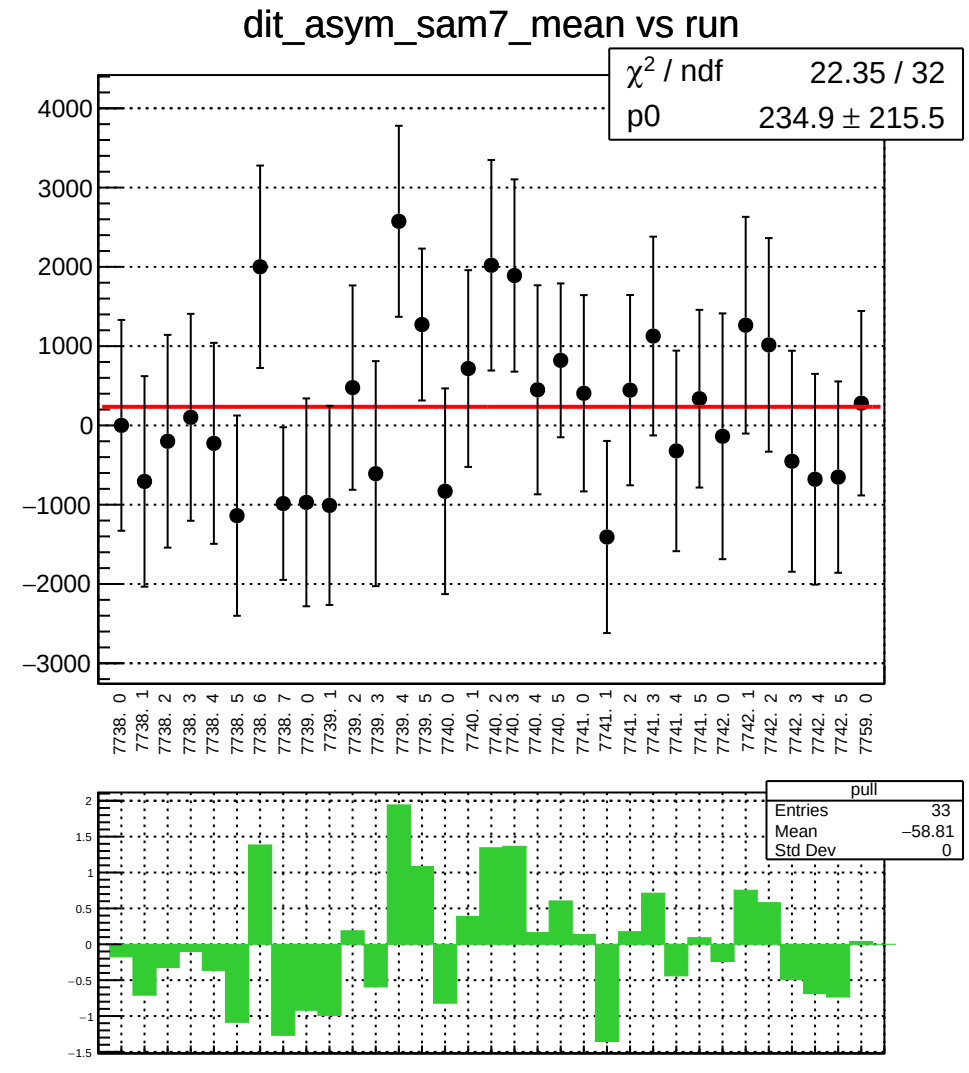

asym_sam7_cor_correction_rms vs run
χ² / ndf 2.067e+04 / 32
p0 1532 ± 1.911
2000
1800
1600
1400
1200
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

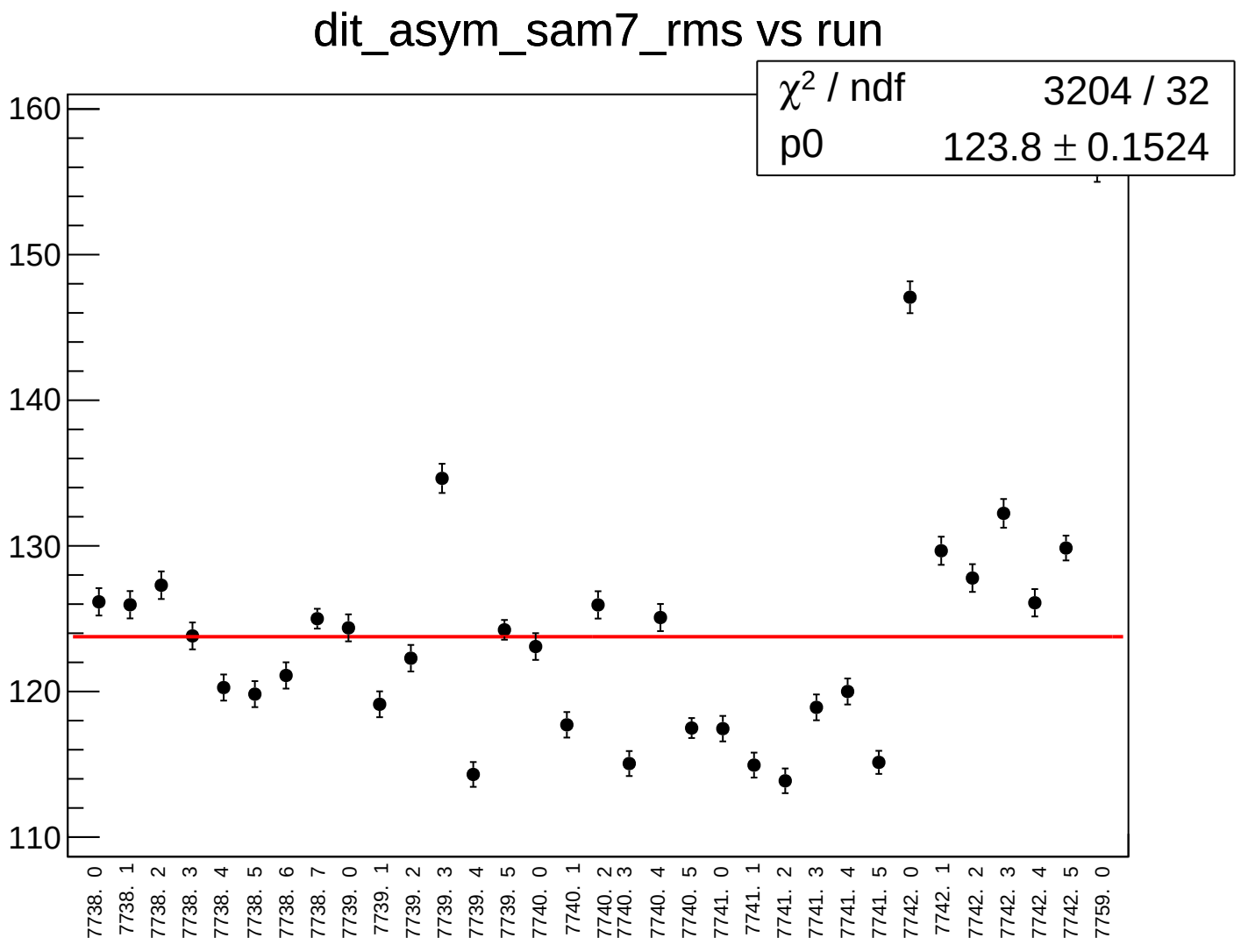

eigen_cor_asym_sam7_mean vs run
χ² / ndf 22.93 / 32
p0 311.9 ± 206.4
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01183
Std Dev 0.8336
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

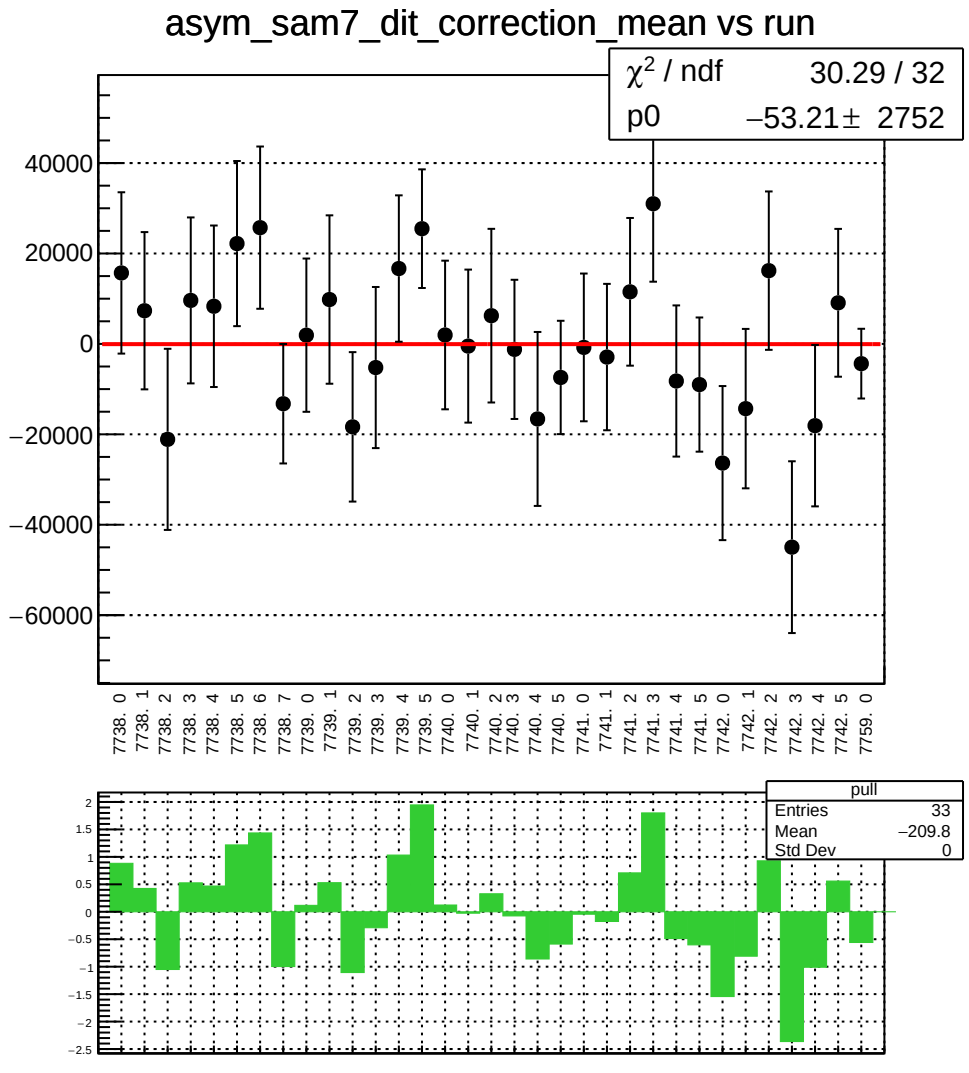

eigen_cor_asym_sam7_rms vs run
χ² / ndf 1712 / 32
p0 118.6 ± 0.1459
140
135
130
125
120
115
110
105
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

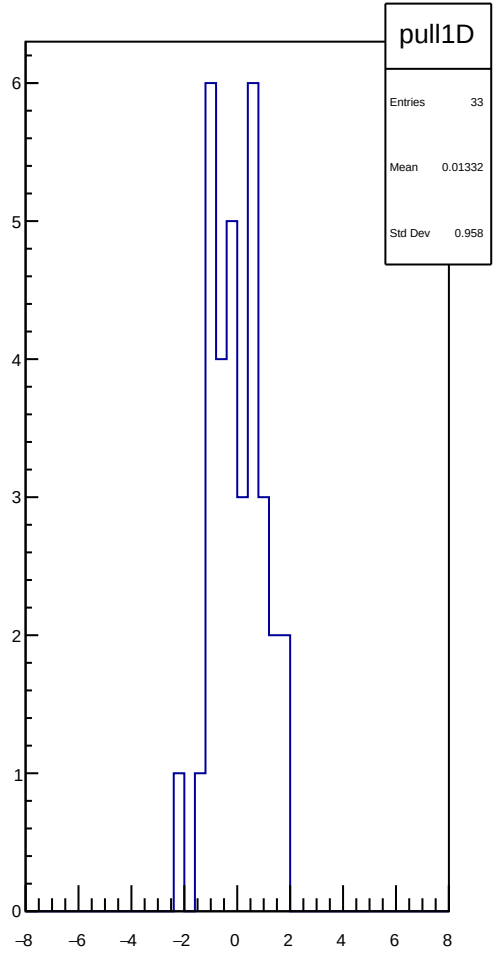

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 30.27 / 32
p0 −116.3 ± 2703
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −141
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01915
Std Dev 0.9575
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

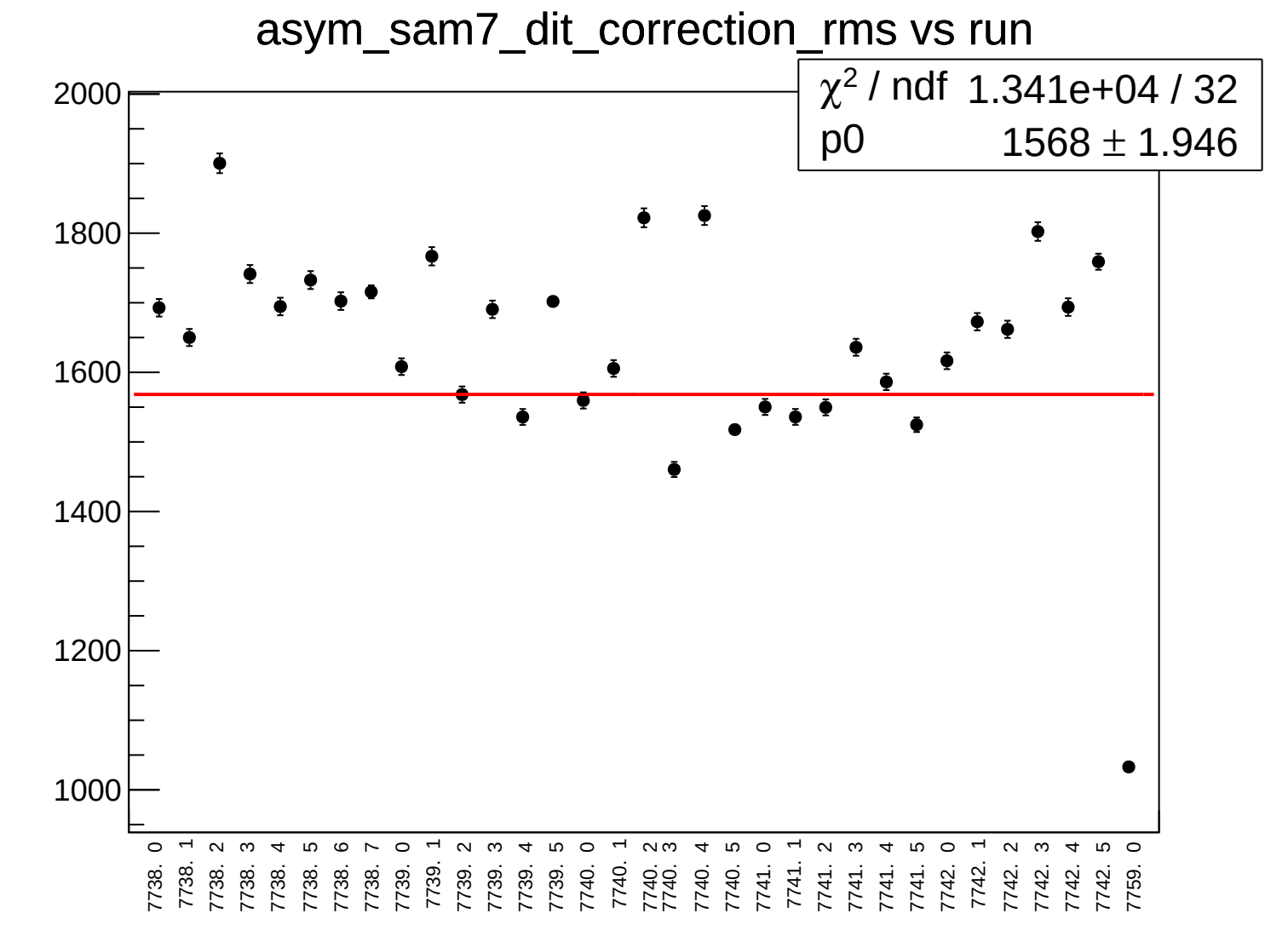

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 2.067e+04 / 32
p0 1532 ± 1.911
2000
1800
1600
1400
1200
1000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

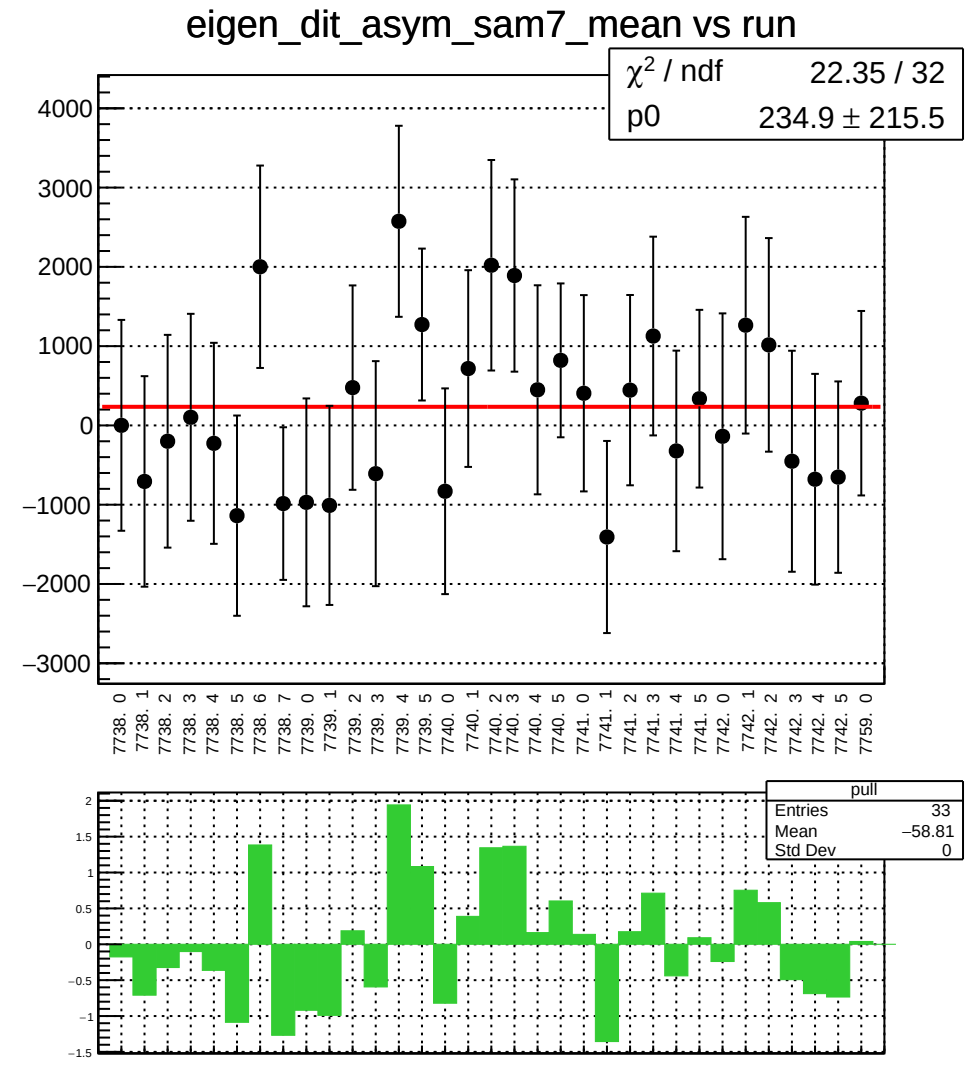

dit_asym_sam7_mean vs run
χ² / ndf 22.35 / 32
p0 234.9 ± 215.5
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −58.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.0107
Std Dev 0.8228
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

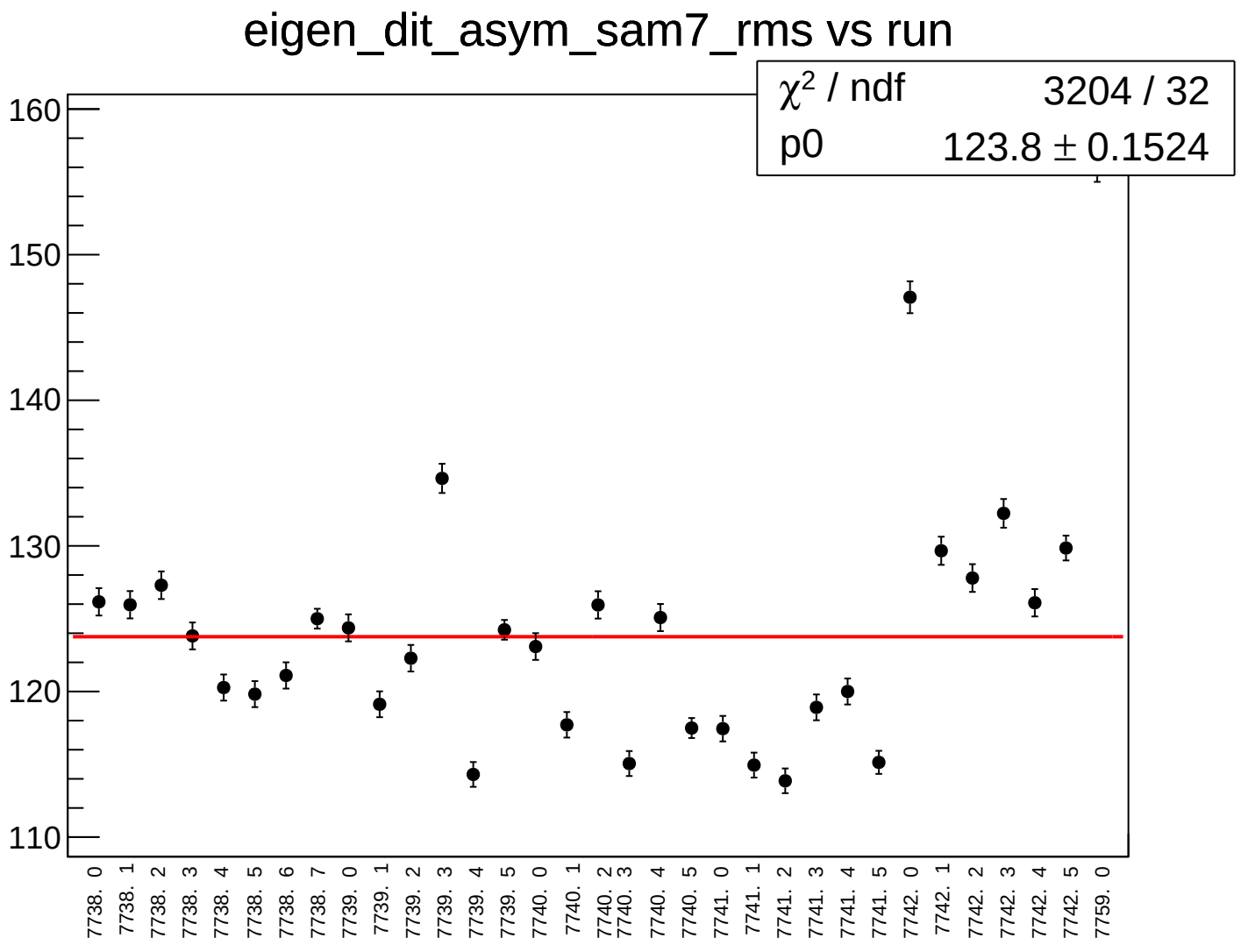

dit_asym_sam7_rms vs run
χ² / ndf 3204 / 32
p0 123.8 ± 0.1524
160
150
140
130
120
110
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam7_dit_correction_mean vs run
χ² / ndf 30.29 / 32
p0 −53.21± 2752
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −209.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean 0.01332
Std Dev 0.958
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_dit_correction_rms vs run
χ² / ndf 1.341e+04 / 32
p0 1568 ± 1.946
2000
1800
1600
1400
1200
1000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0


eigen_dit_asym_sam7_mean vs run
χ² / ndf 22.35 / 32
p0 234.9 ± 215.5
4000
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −58.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.0107
Std Dev 0.8229
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 3204 / 32
p0 123.8 ± 0.1524
160
150
140
130
120
110
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
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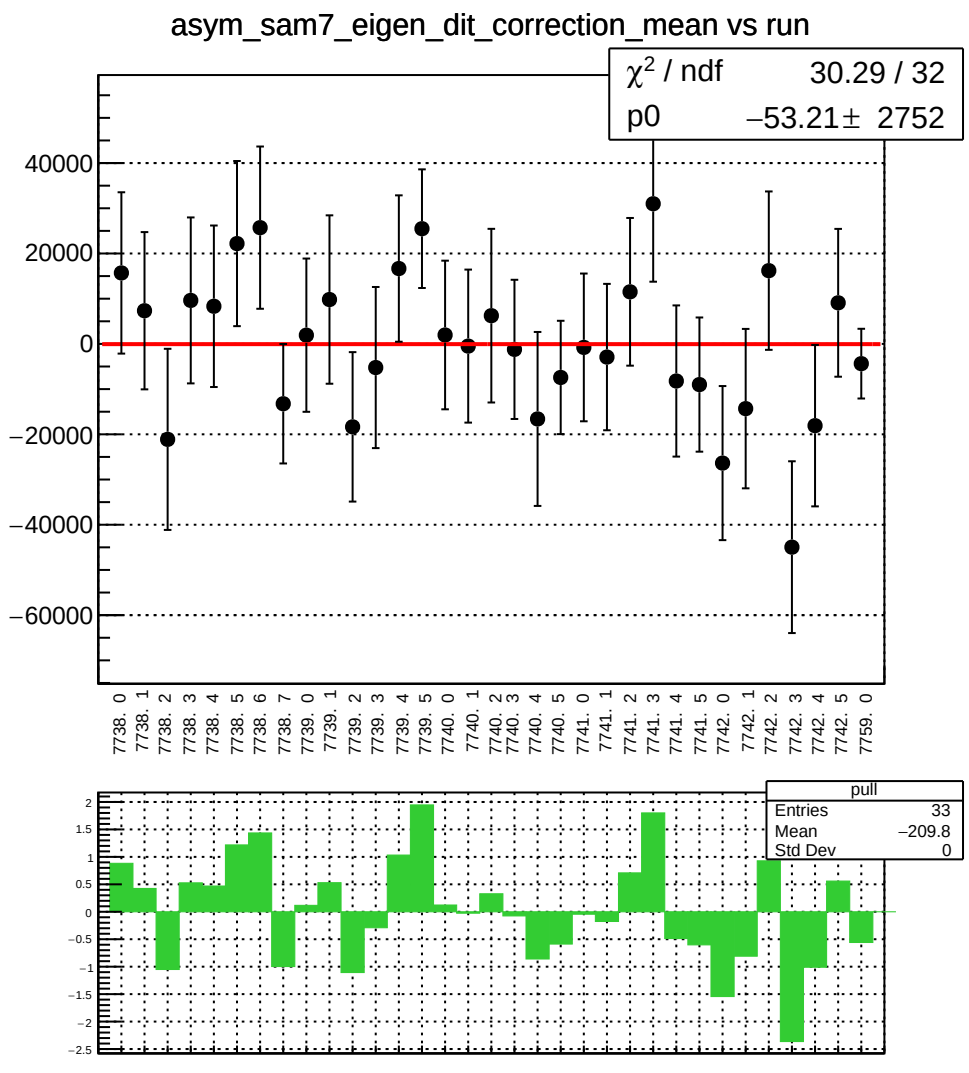
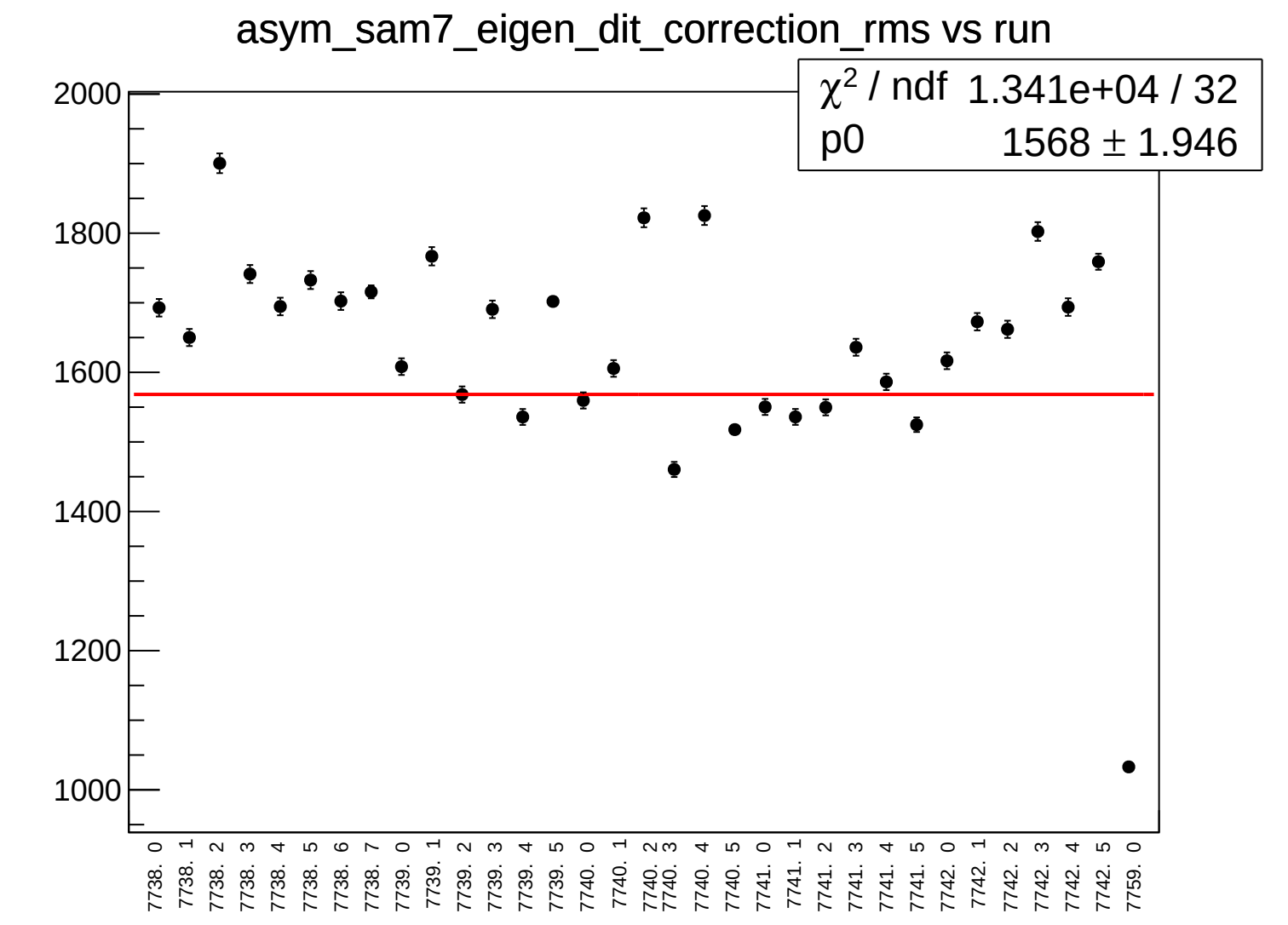
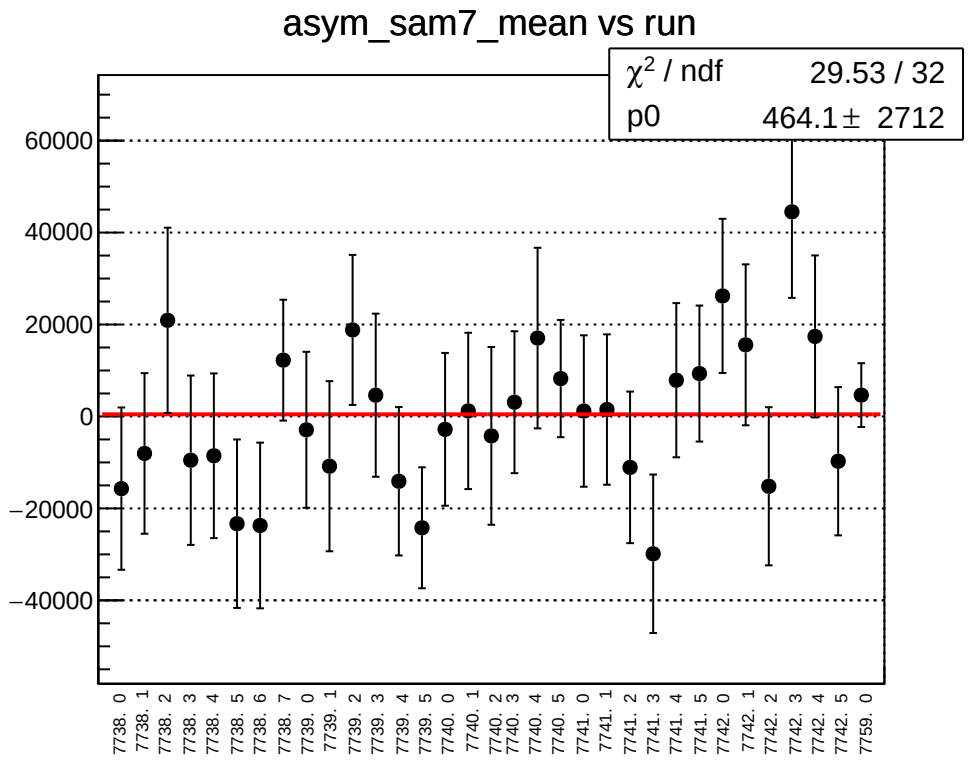
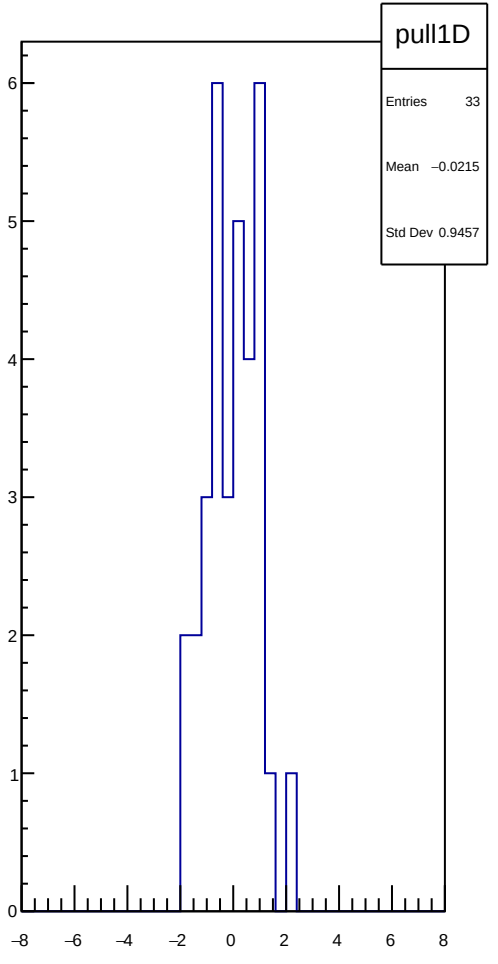
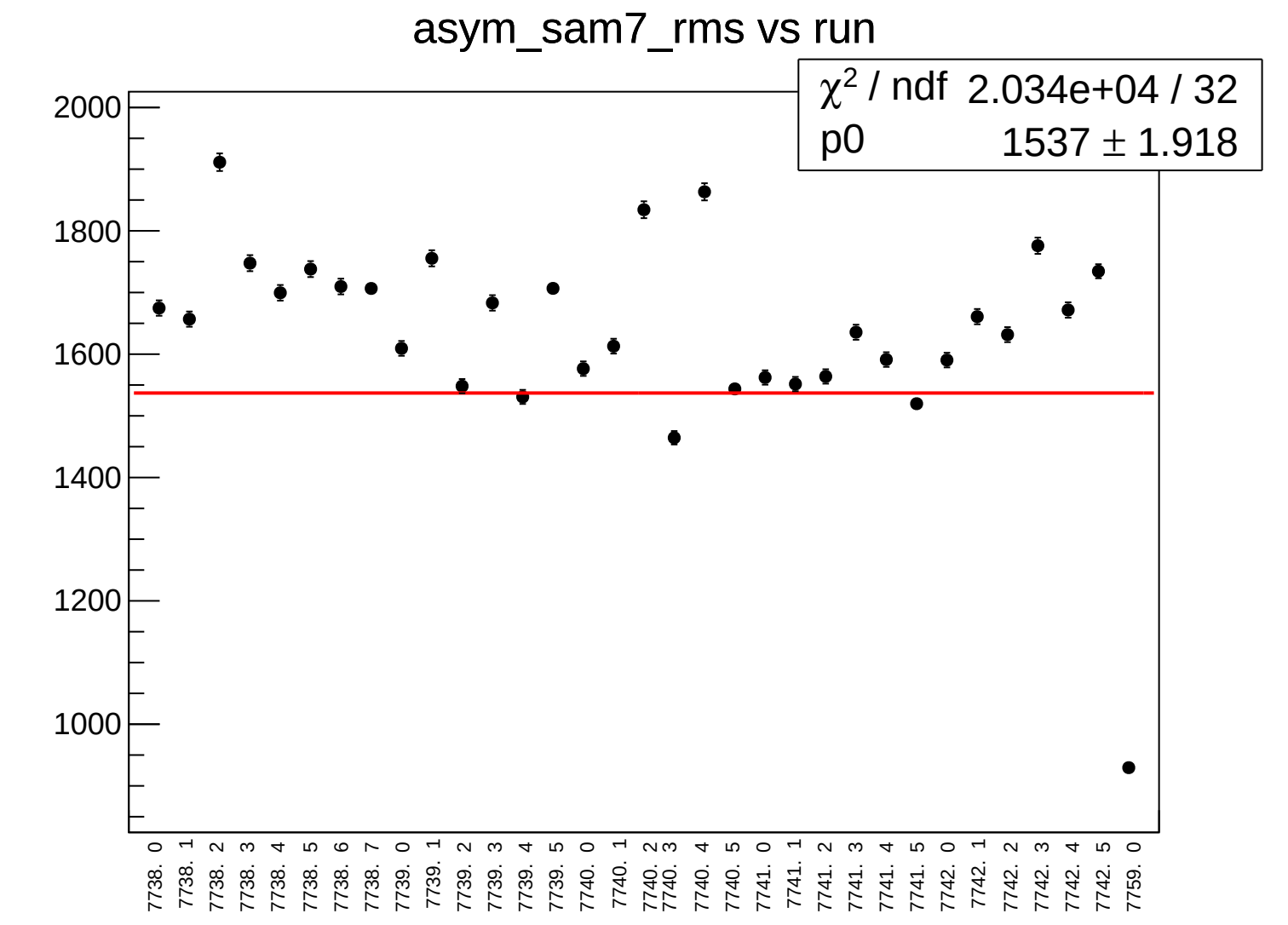
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

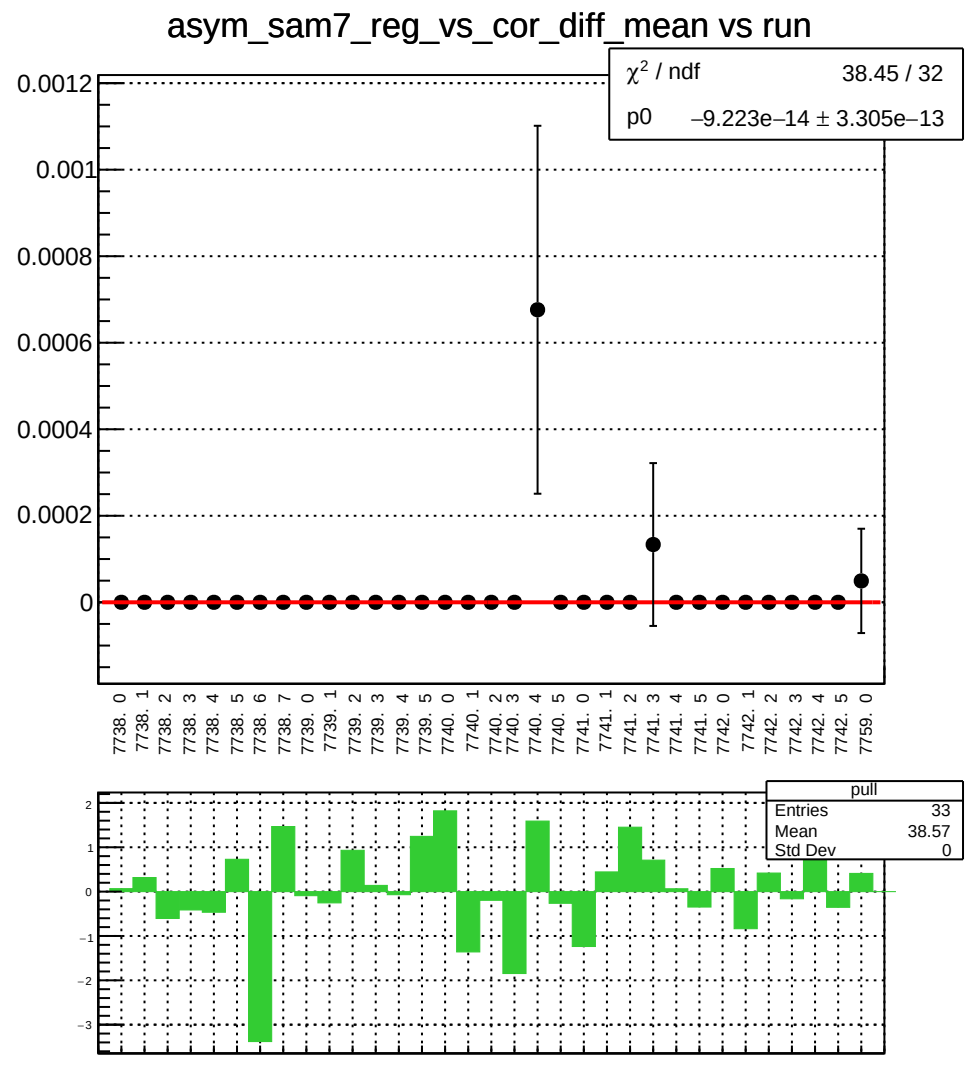

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 30.29 / 32
p0 −53.21± 2752
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −209.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01332
Std Dev 0.958
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

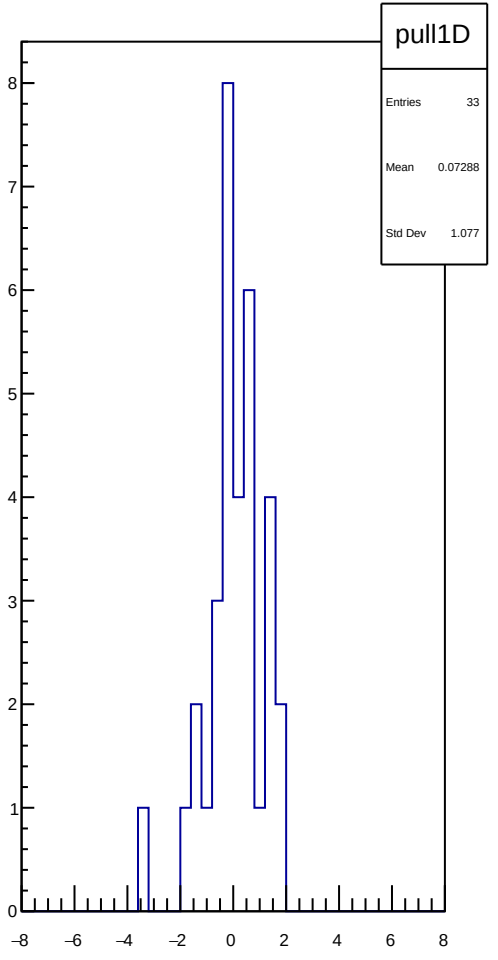

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 1.341e+04 / 32
p0 1568 ± 1.946
2000
1800
1600
1400
1200
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

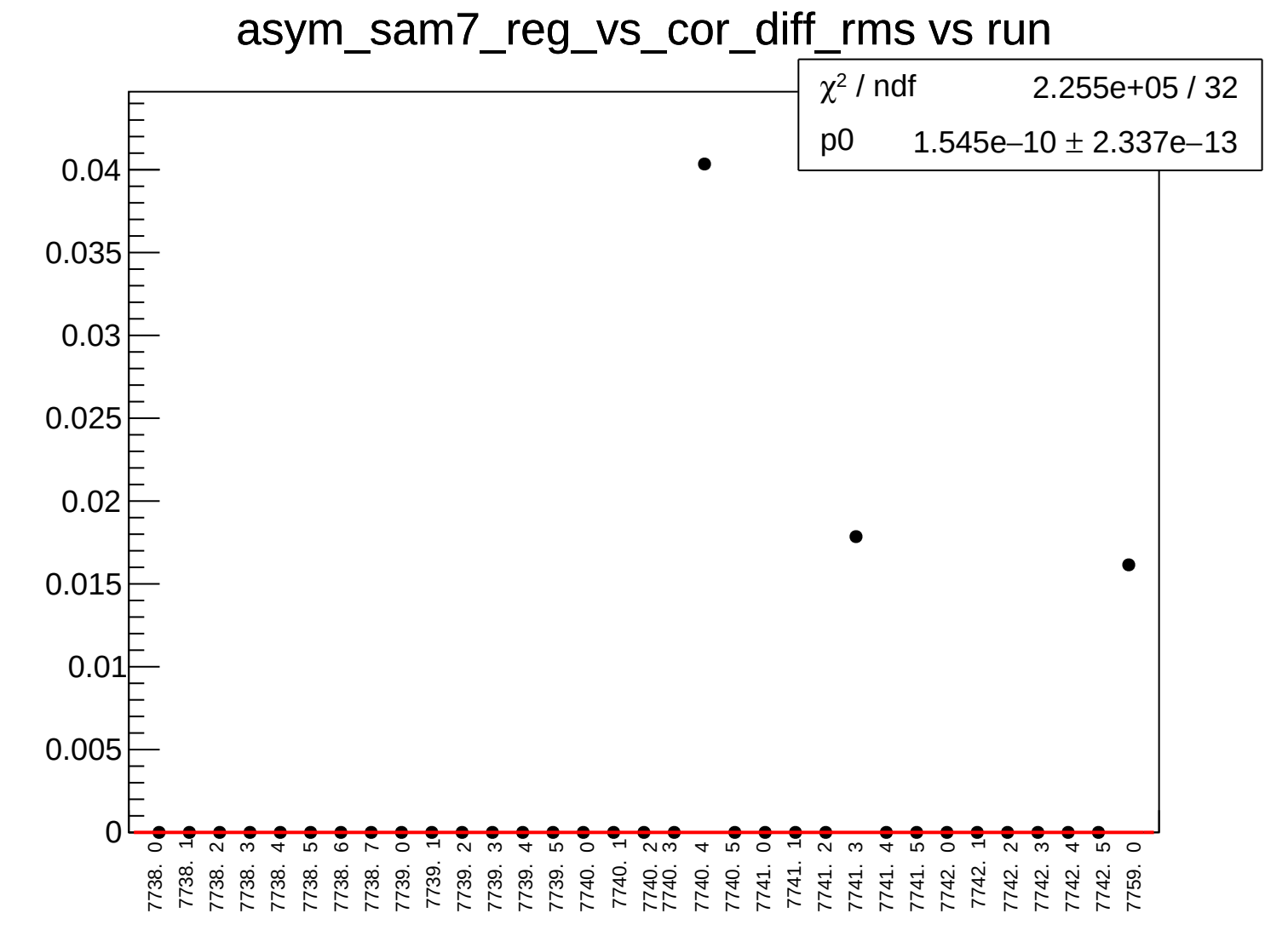

asym_sam7_mean vs run
χ² / ndf 29.53 / 32
p0 464.1± 2712
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −128.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

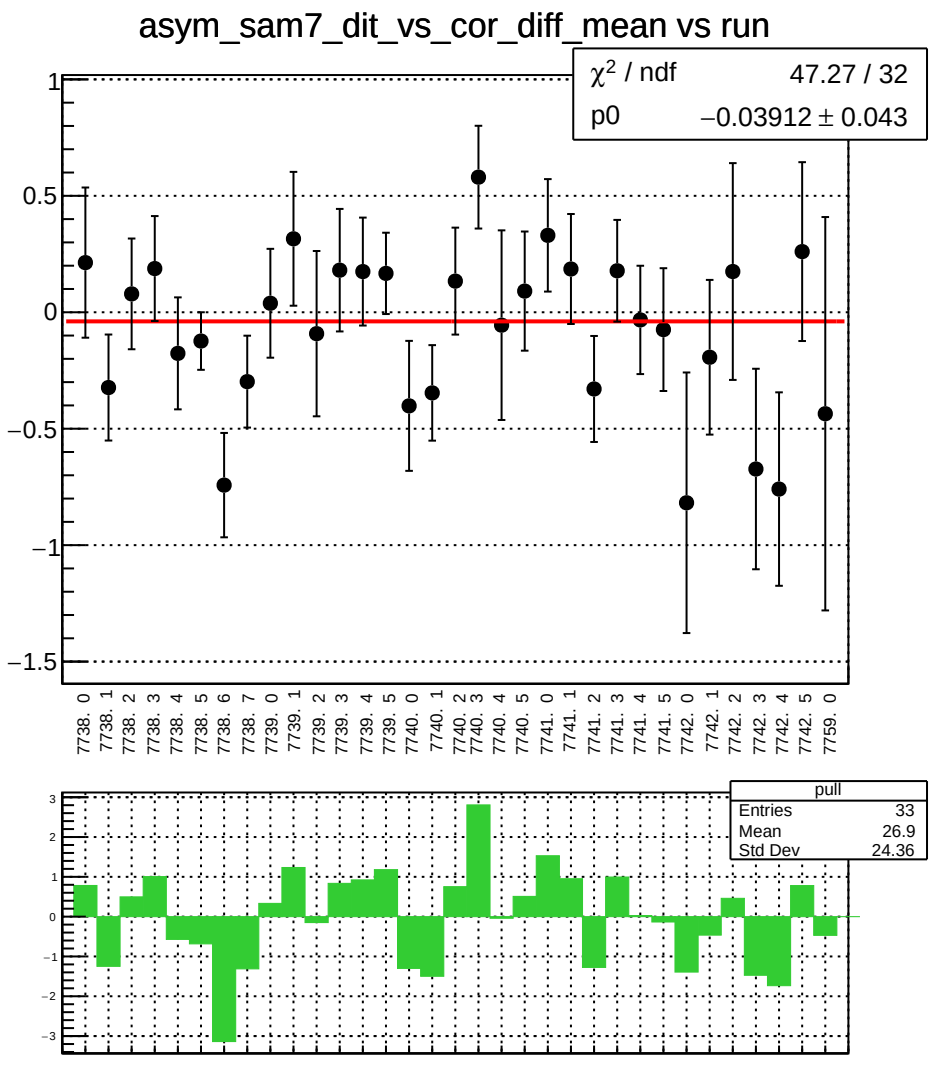

pull1D
Entries 33
Mean −0.0215
Std Dev 0.9457
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

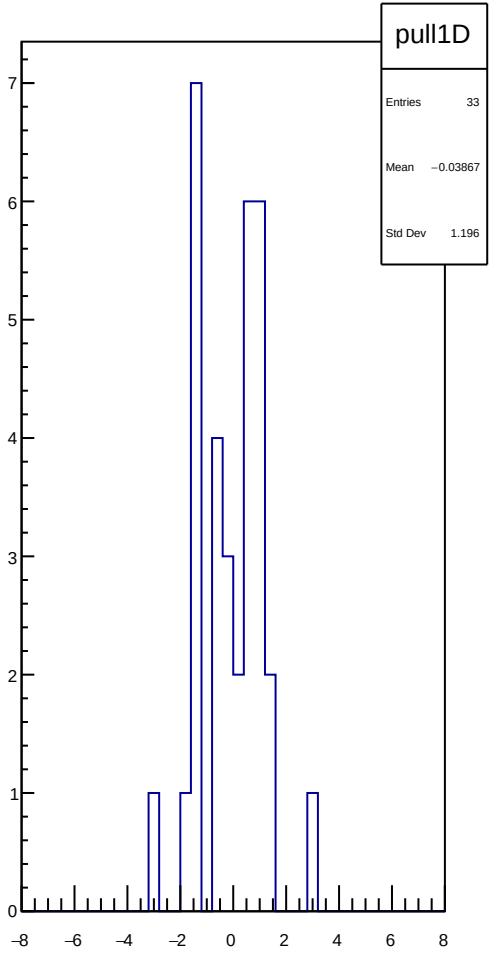

asym_sam7_rms vs run
χ² / ndf 2.034e+04 / 32
p0 1537 ± 1.918
2000
1800
1600
1400
1200
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

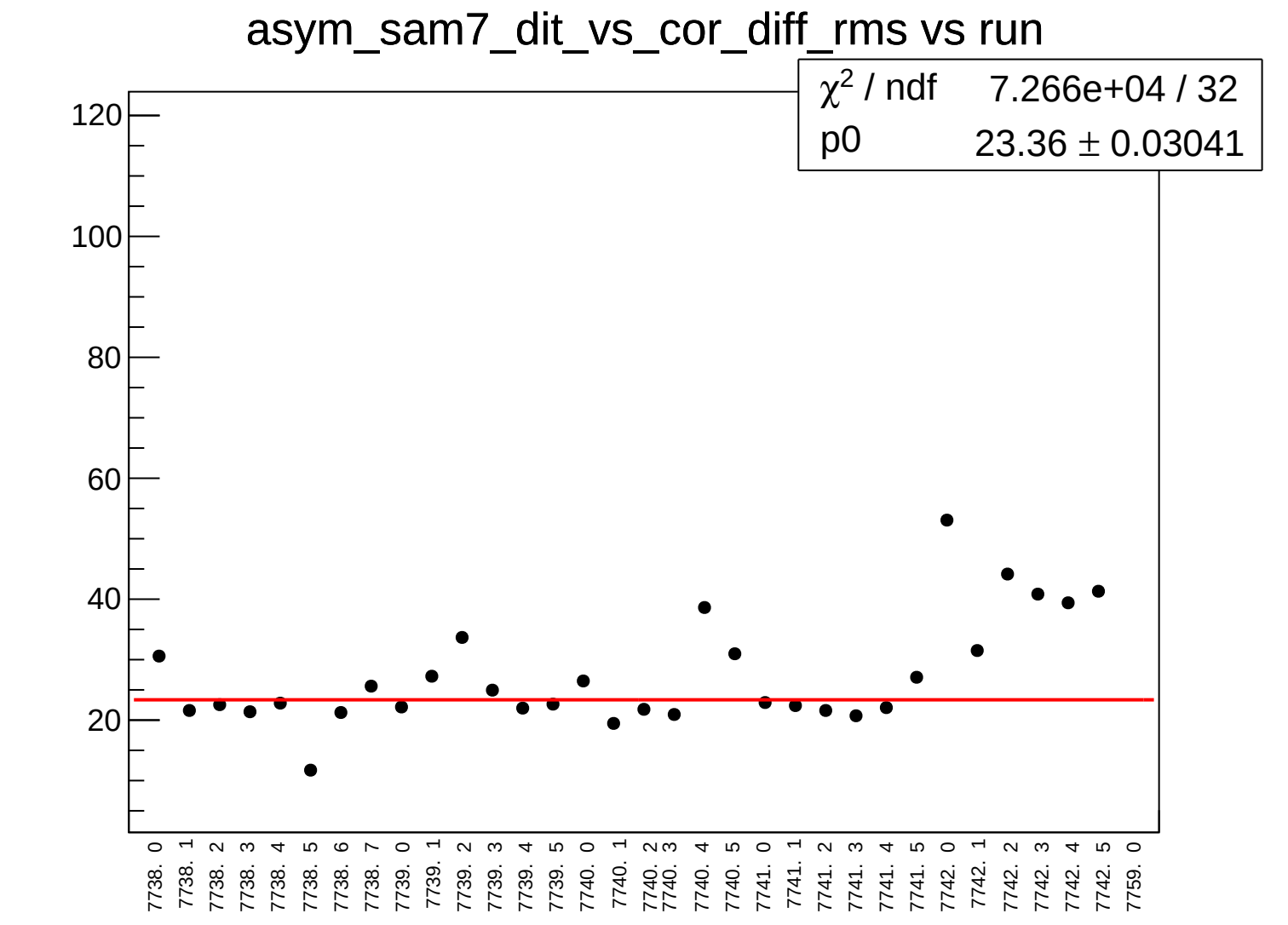

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 38.45 / 32
p0 −9.223e−14 ± 3.305e−13
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.57
Std Dev 0
2
1
0
−1
−2
−3

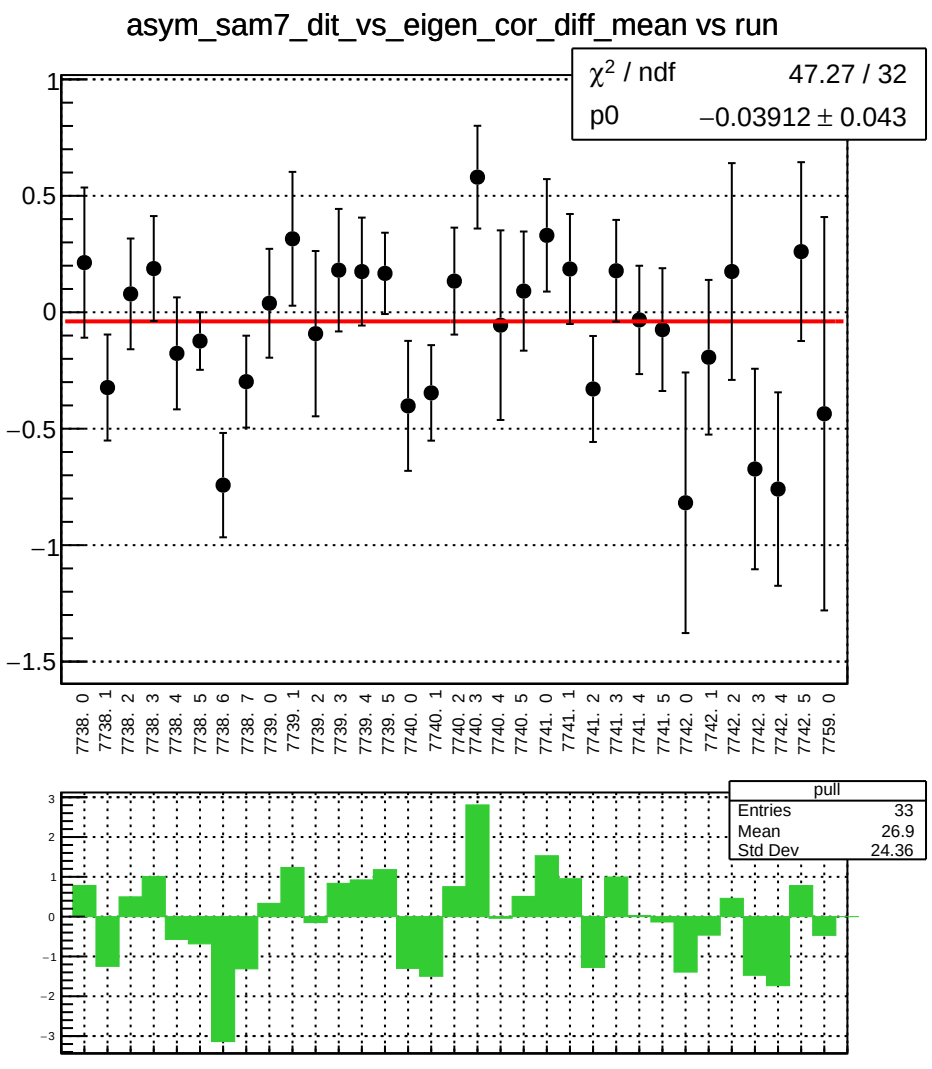

pull1D
Entries 33
Mean 0.07288
Std Dev 1.077
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

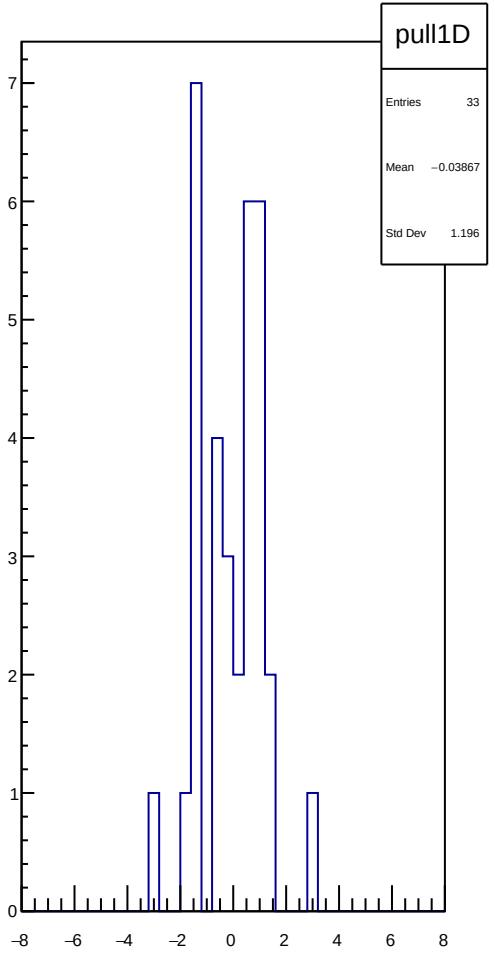

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 2.255e+05 / 32
p0 1.545e−10 ± 2.337e−13
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

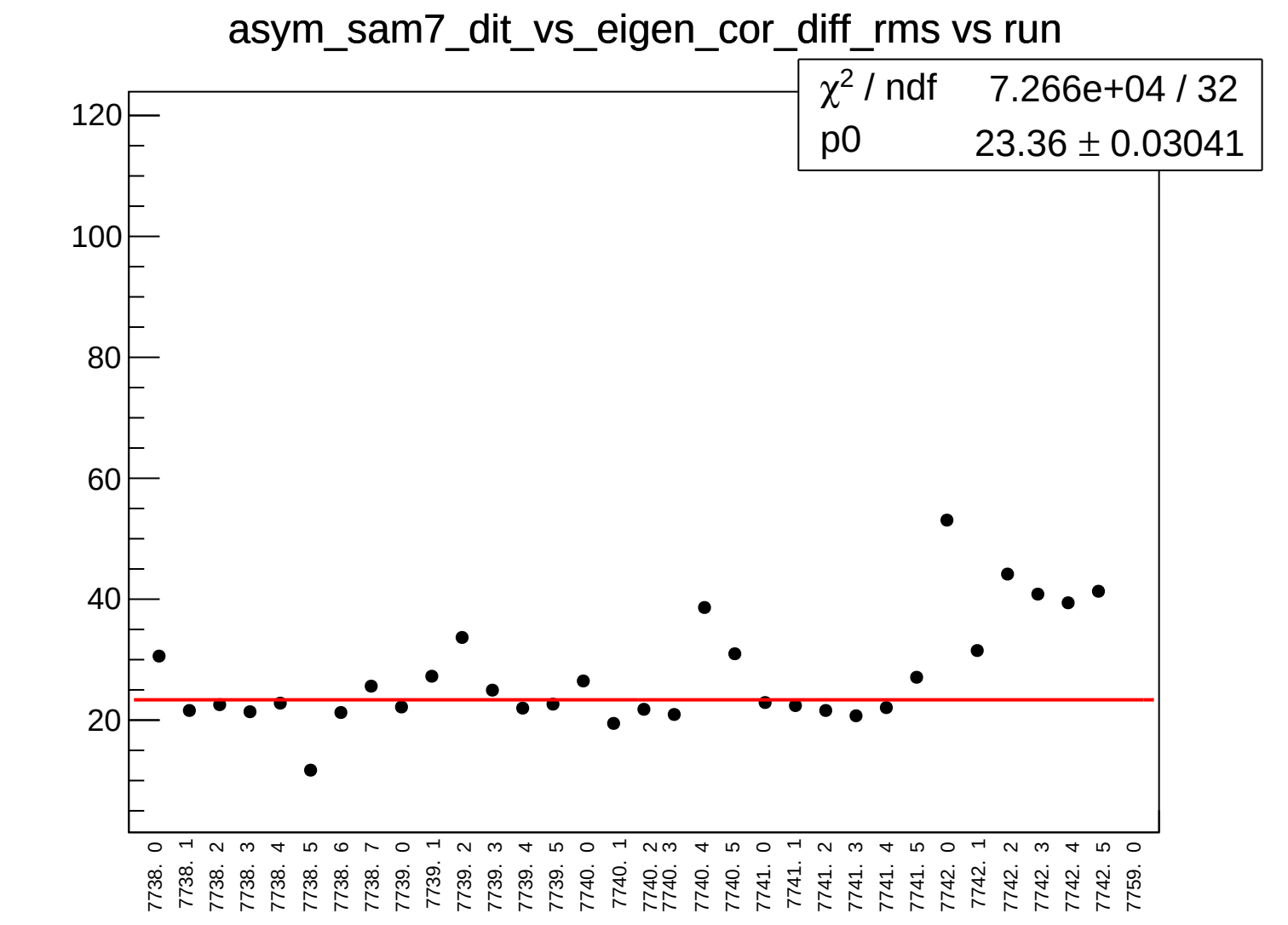

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 47.27 / 32
p0 −0.03912 ± 0.043
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.9
Std Dev 24.36
3
2
1
0
−1
−2
−3

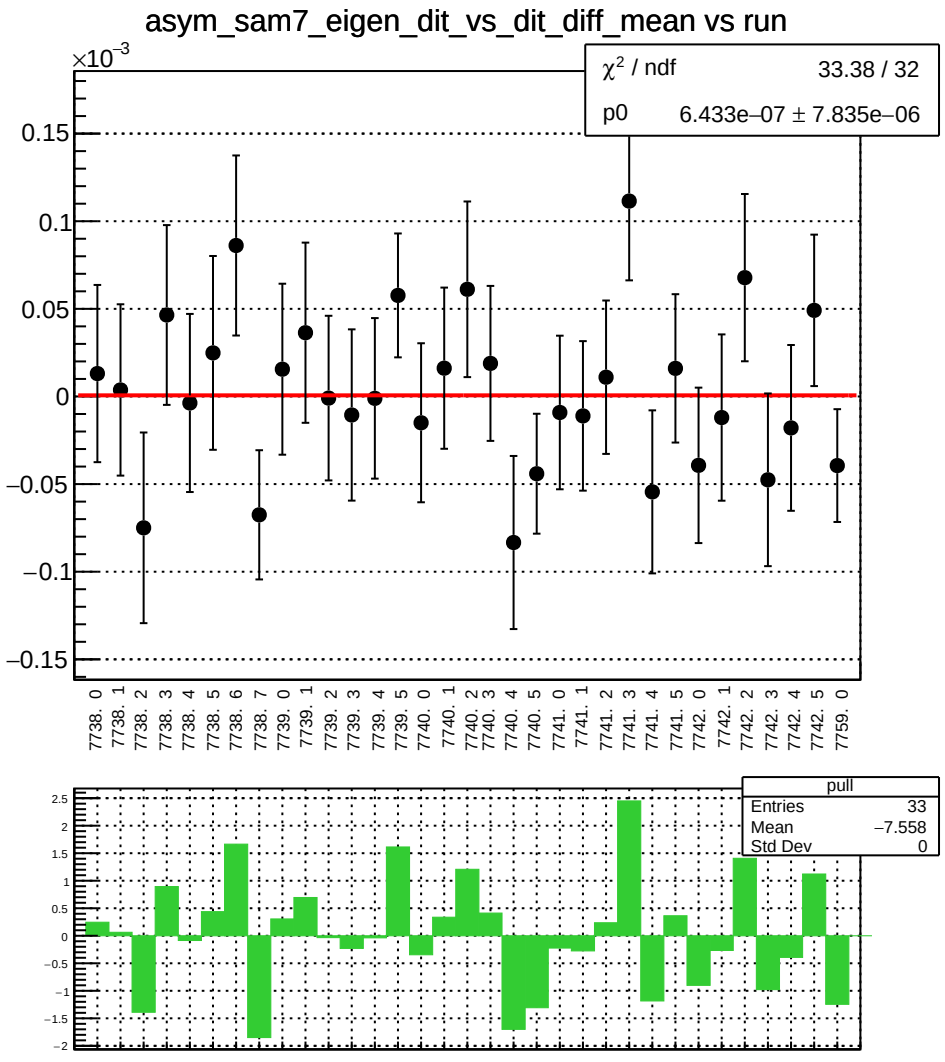

pull1D
Entries 33
Mean −0.03867
Std Dev 1.196
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

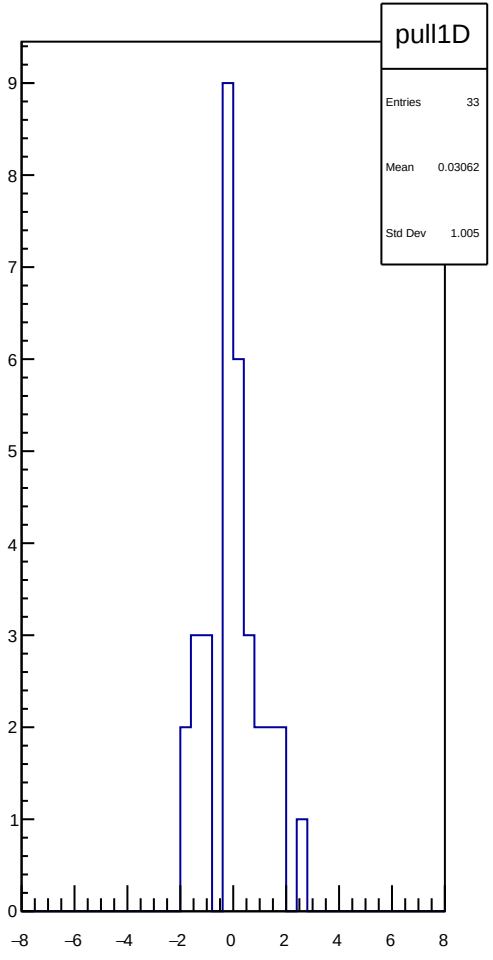

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 7.266e+04 / 32
p0 23.36 ± 0.03041
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

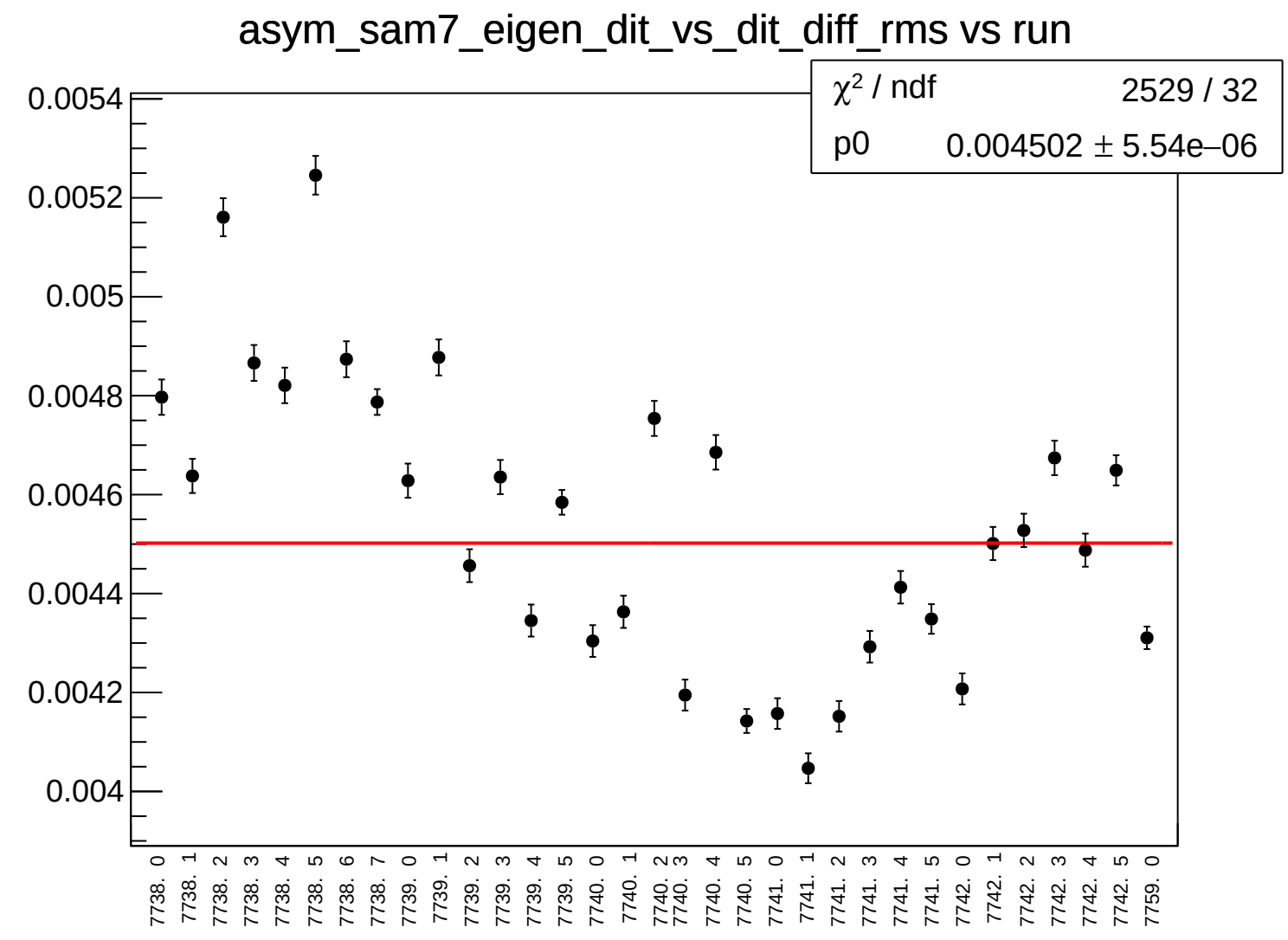

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.27 / 32
p0 −0.03912 ± 0.043
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.9
Std Dev 24.36
3
2
1
0
−1
−2
−3

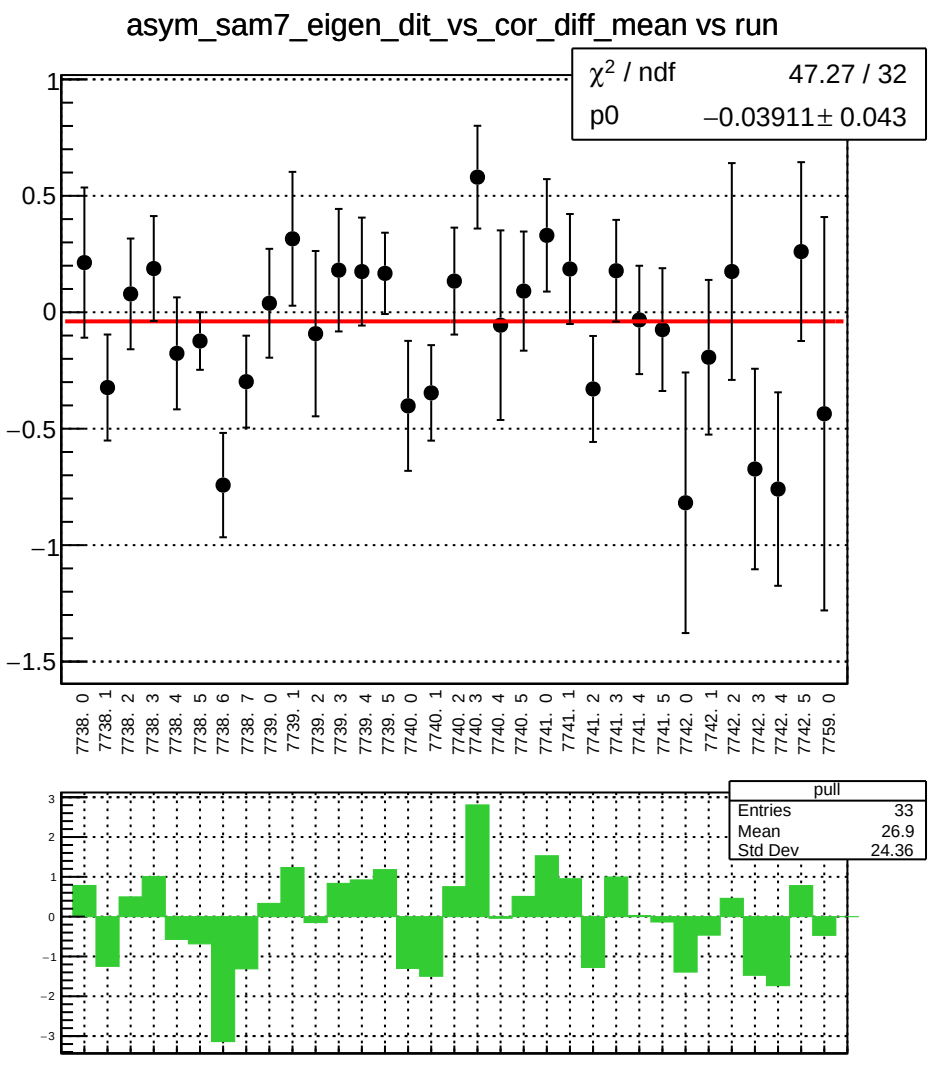

pull1D
Entries 33
Mean −0.03867
Std Dev 1.196
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

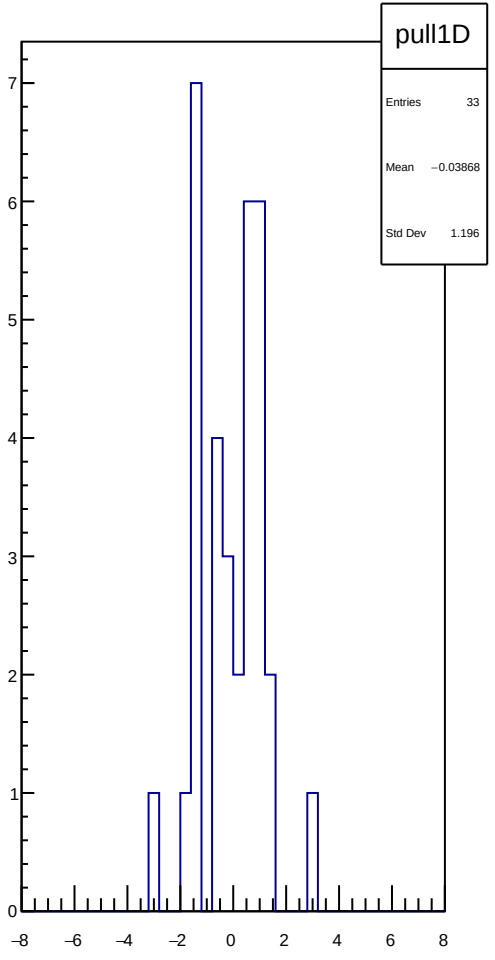

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.266e+04 / 32
p0 23.36 ± 0.03041
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

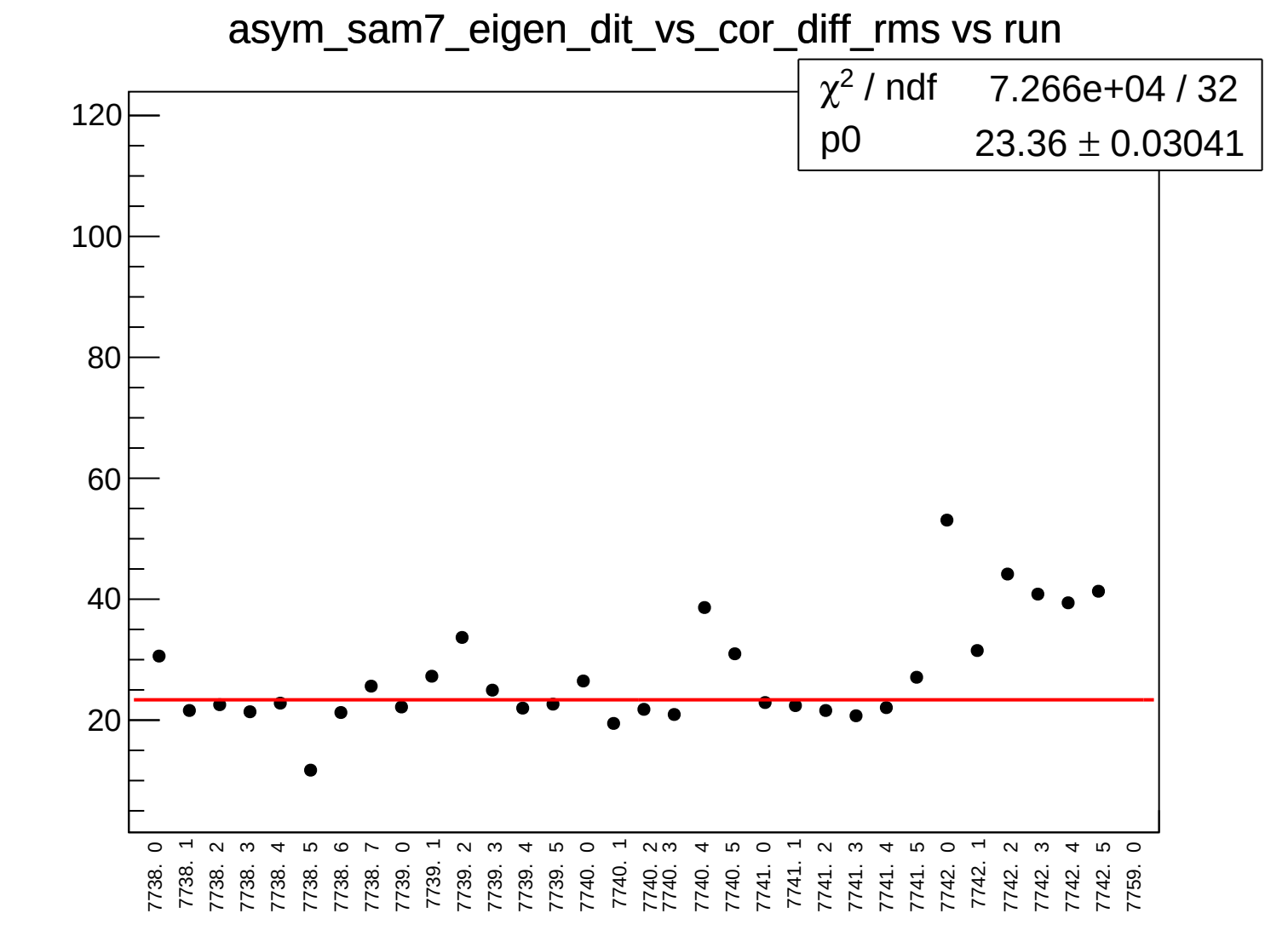

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.38 / 32
p0 6.433e−07 ± 7.835e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.558
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

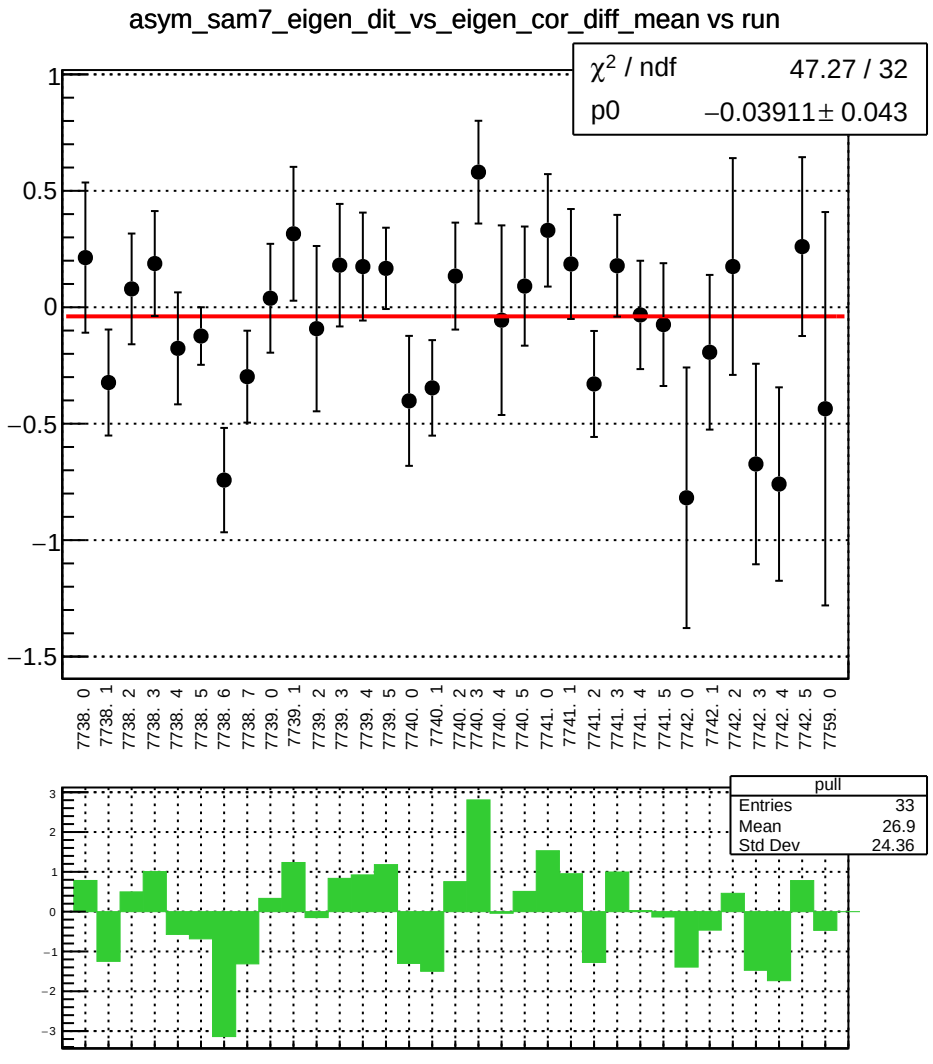

pull1D
Entries 33
Mean 0.03062
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

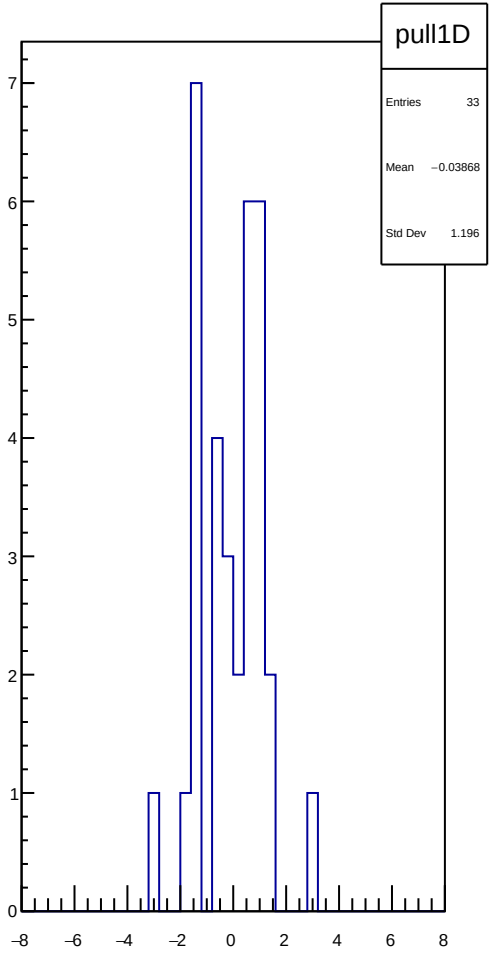

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2529 / 32
p0 0.004502 ± 5.54e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

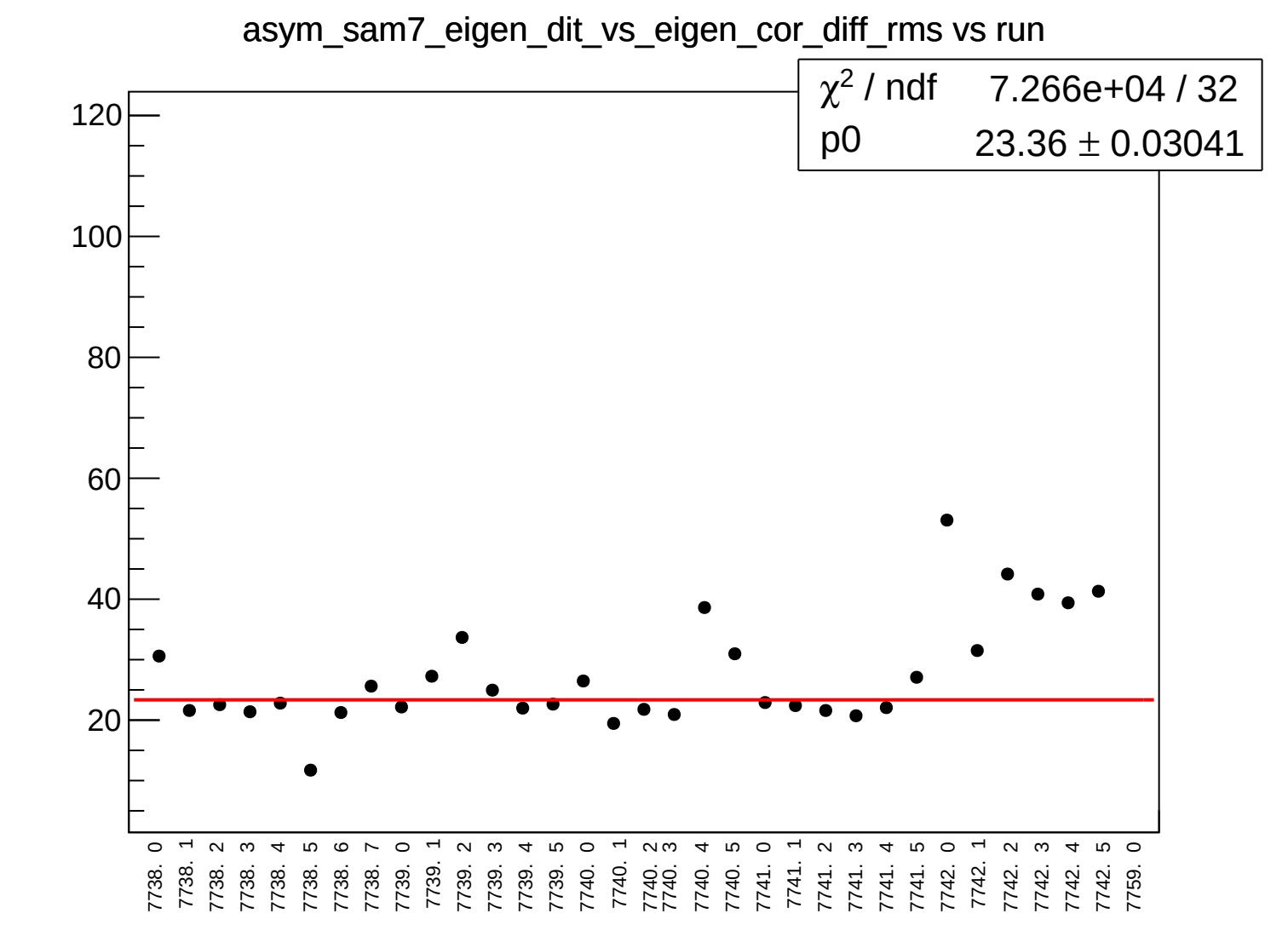

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.27 / 32
p0 −0.03911 ± 0.043
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.9
Std Dev 24.36
3
2
1
0
−1
−2
−3

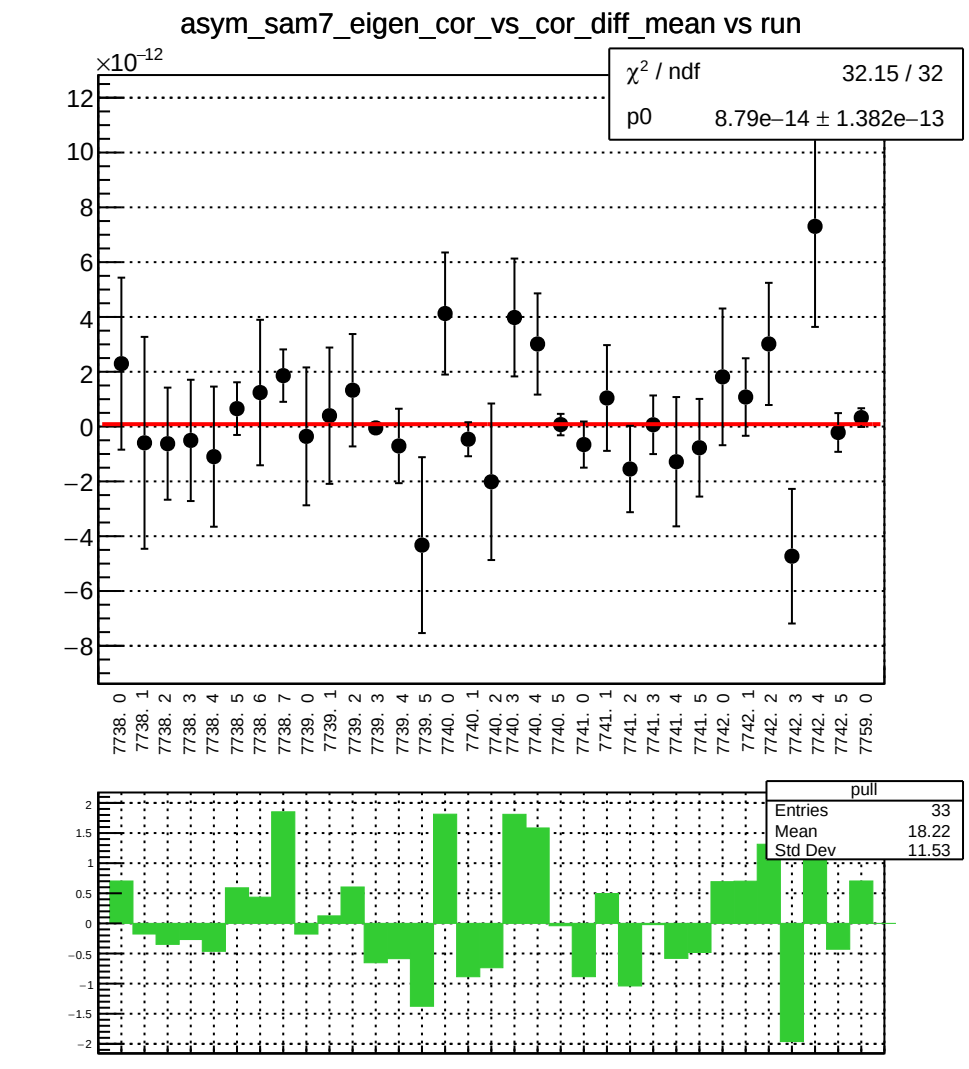

pull1D
Entries 33
Mean −0.03868
Std Dev 1.196
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

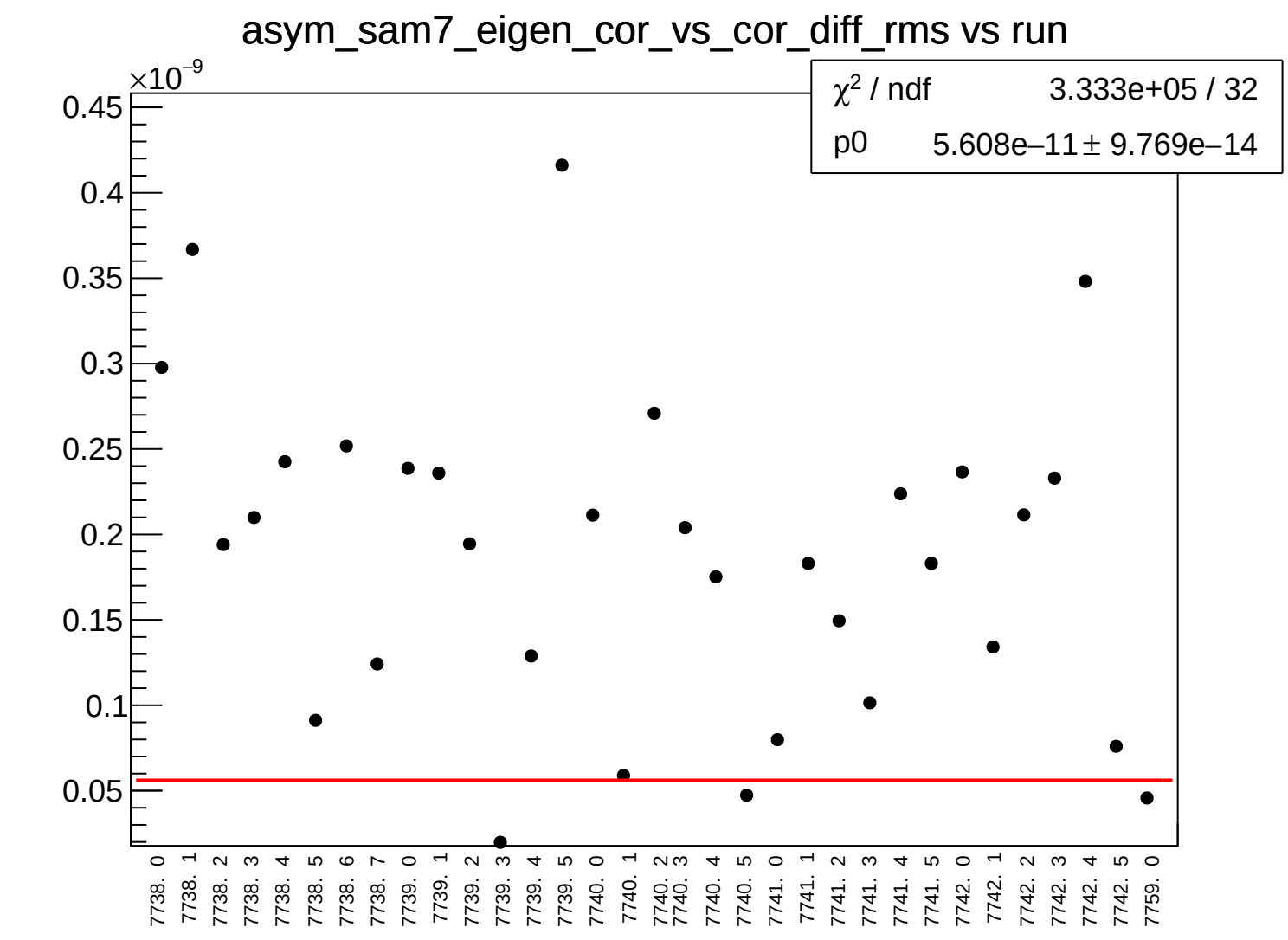

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.266e+04 / 32
p0 23.36 ± 0.03041
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

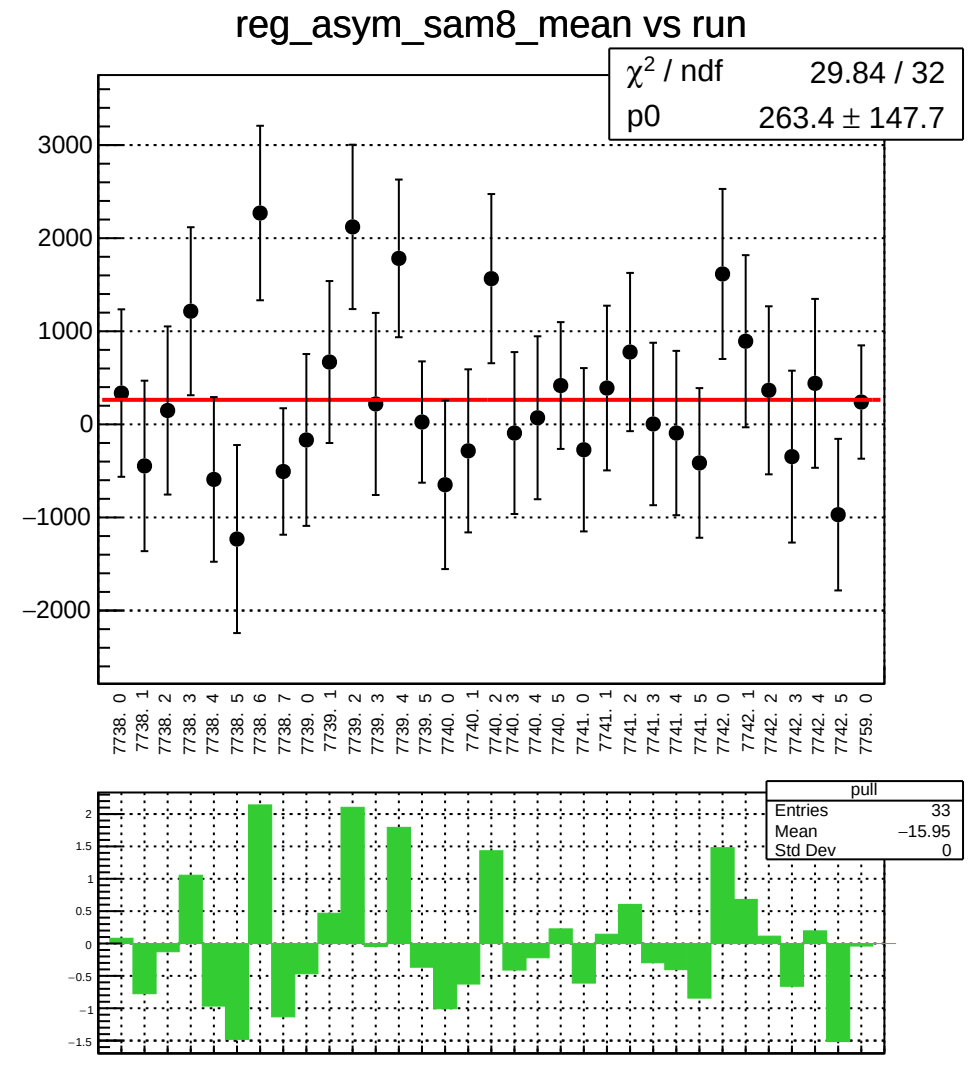

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.27 / 32
p0 −0.03911 ± 0.043
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.9
Std Dev 24.36
3
2
1
0
−1
−2
−3

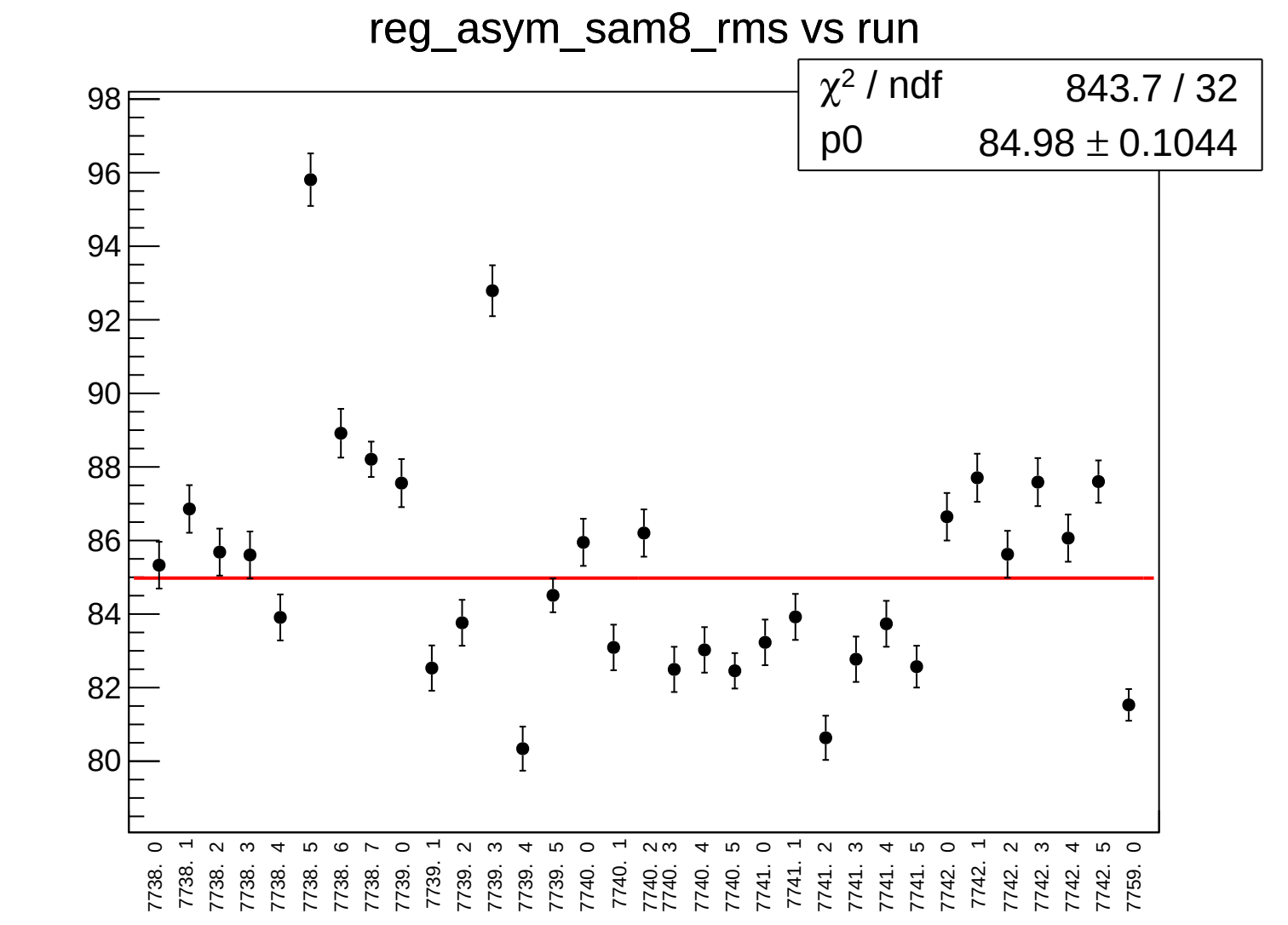

pull1D
Entries 33
Mean −0.03868
Std Dev 1.196
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

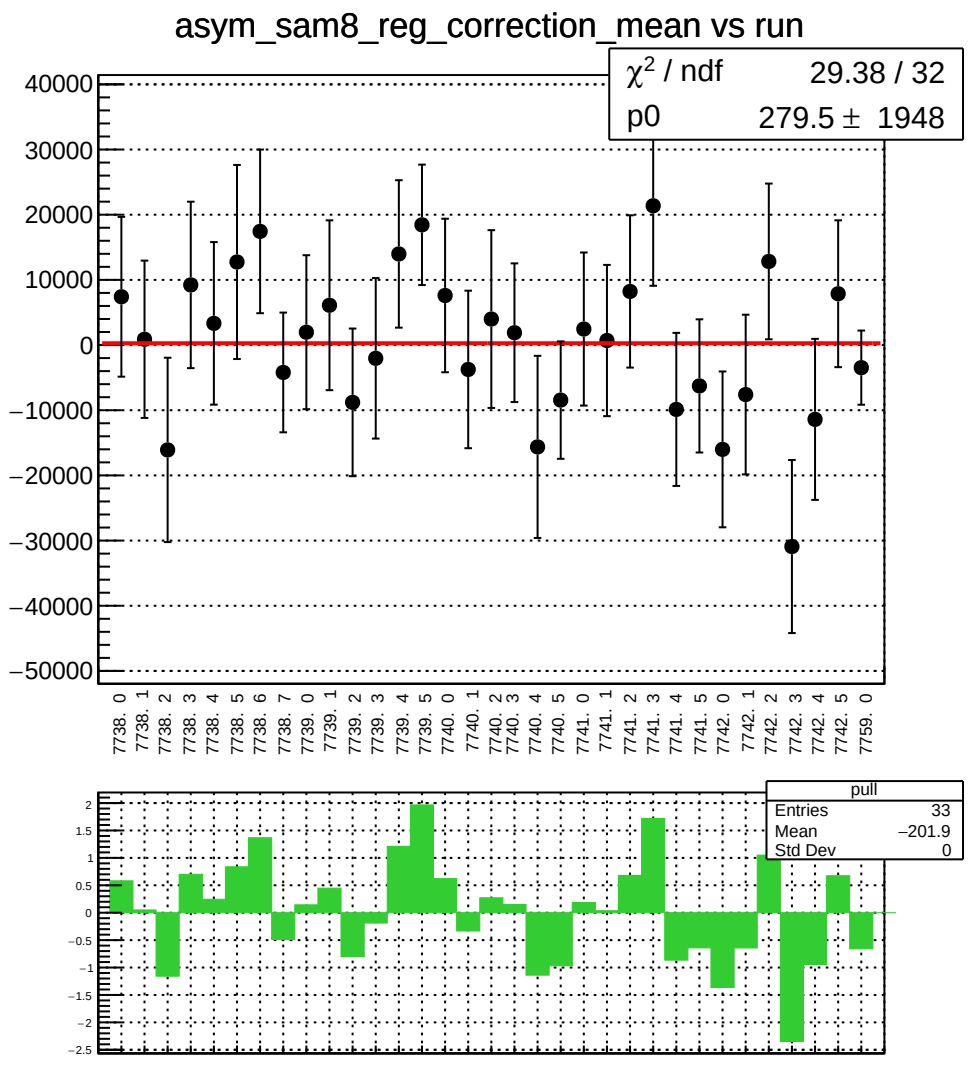

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.266e+04 / 32
p0 23.36 ± 0.03041
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

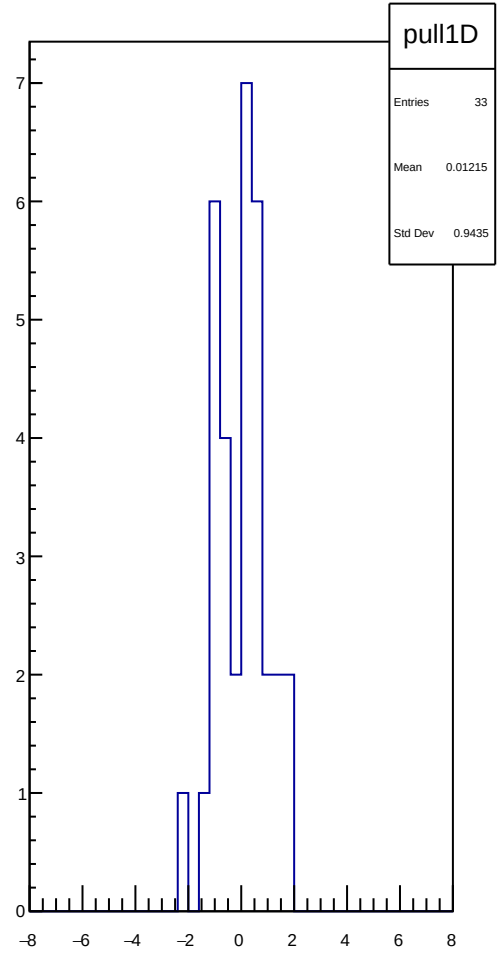

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.15 / 32
p0 8.79e−14 ± 1.382e−13
12
10
8
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.22
Std Dev 11.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1299
Std Dev 0.9784
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

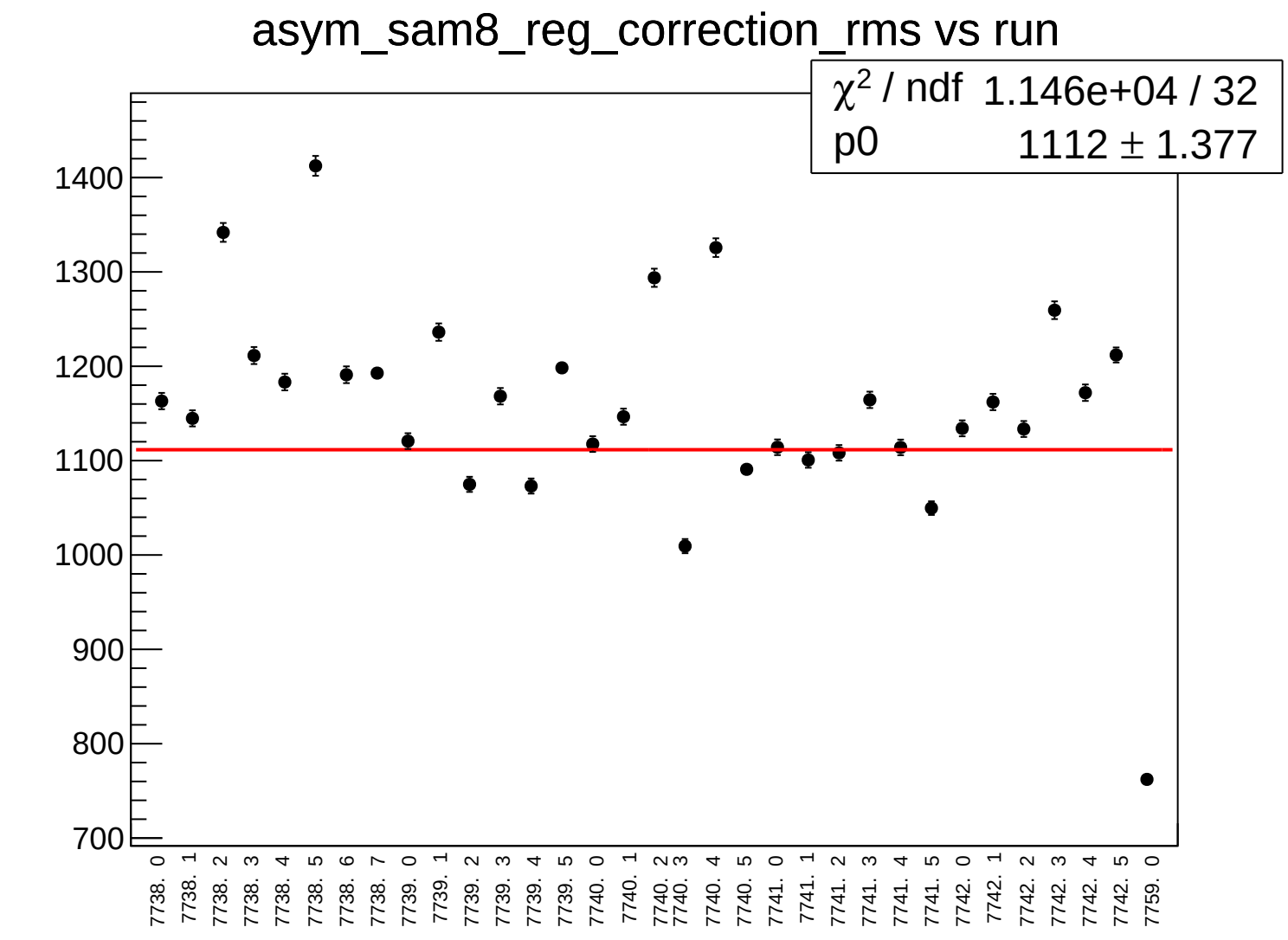

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.333e+05 / 32
p0 5.608e−11 ± 9.769e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


reg_asym_sam8_mean vs run
χ² / ndf 29.84 / 32
p0 263.4 ± 147.7
3000
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01589
Std Dev 0.9507
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 843.7 / 32
p0 84.98 ± 0.1044
98
96
94
92
90
88
86
84
82
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam8_reg_correction_mean vs run
χ² / ndf 29.38 / 32
p0 279.5 ± 1948
pull
Entries 33
Mean −201.9
Std Dev 0


pull1D
Entries 33
Mean 0.01215
Std Dev 0.9435


asym_sam8_reg_correction_rms vs run
χ² / ndf 1.146e+04 / 32
p0 1112 ± 1.377
1400
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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7741. 5
7742. 0
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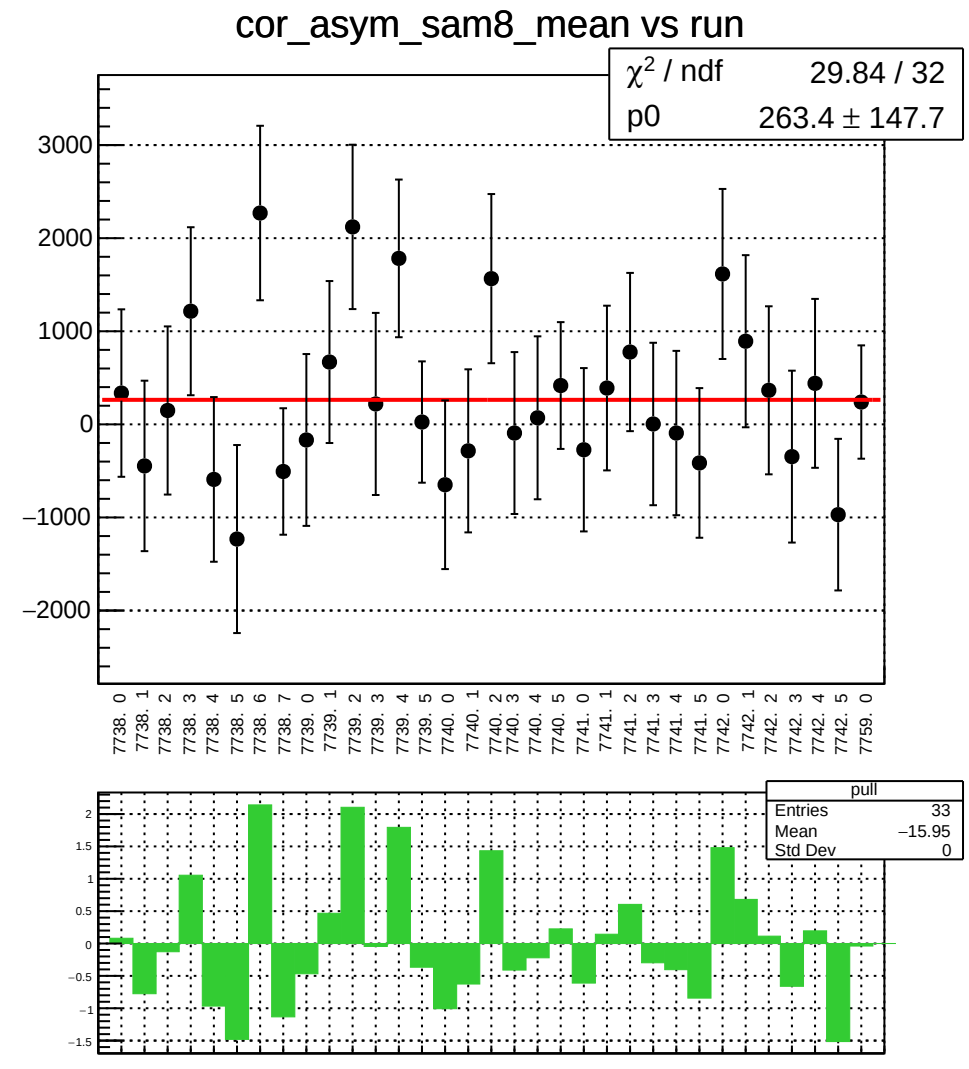
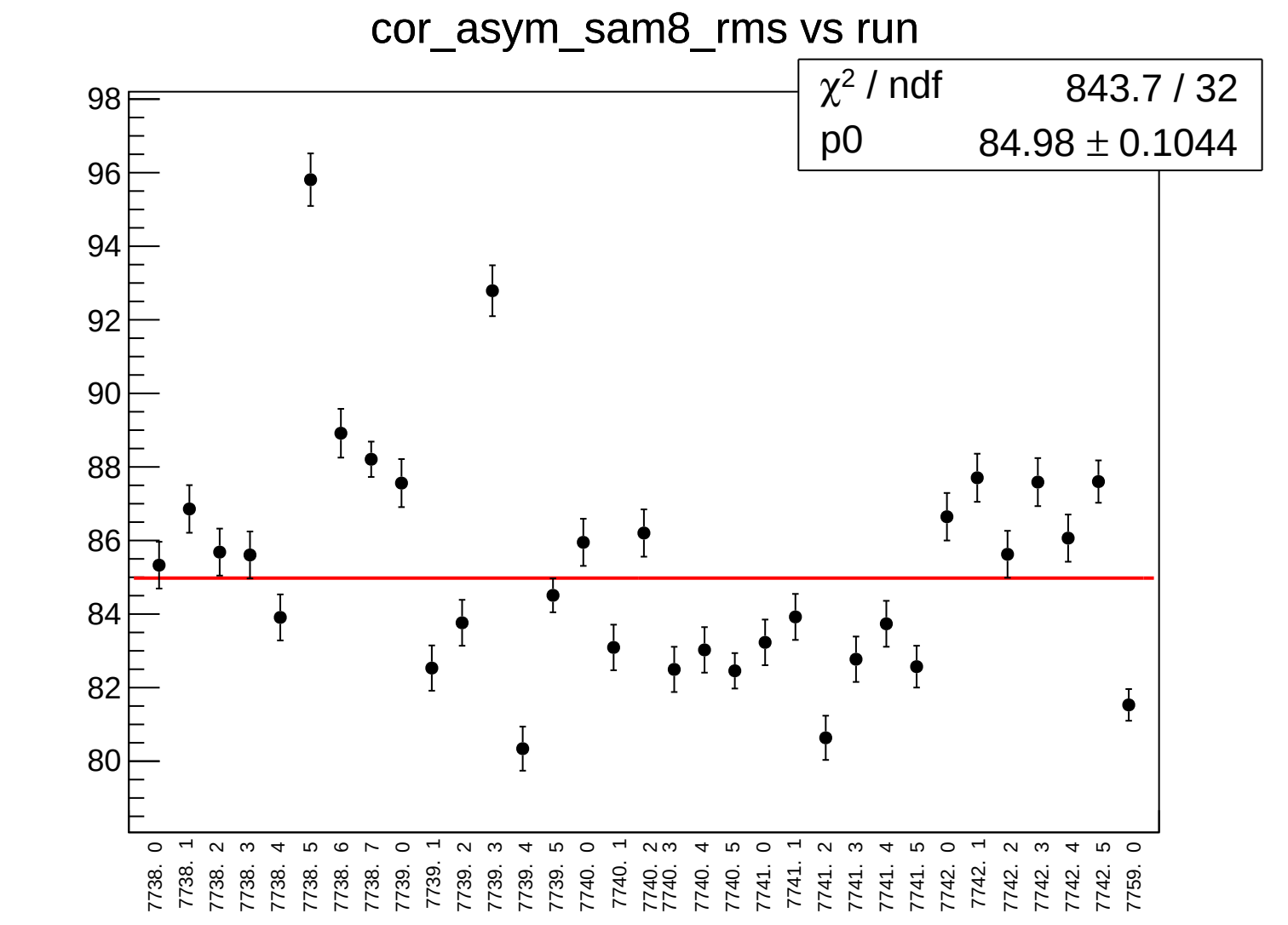
7742. 3
7742. 4
7742. 5
7759. 0


cor_asym_sam8_mean vs run
χ² / ndf 29.84 / 32
p0 263.4 ± 147.7
3000
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01589
Std Dev 0.9507
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam8_rms vs run
χ² / ndf 843.7 / 32
p0 84.98 ± 0.1044
98
96
94
92
90
88
86
84
82
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
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7741. 5
7742. 0
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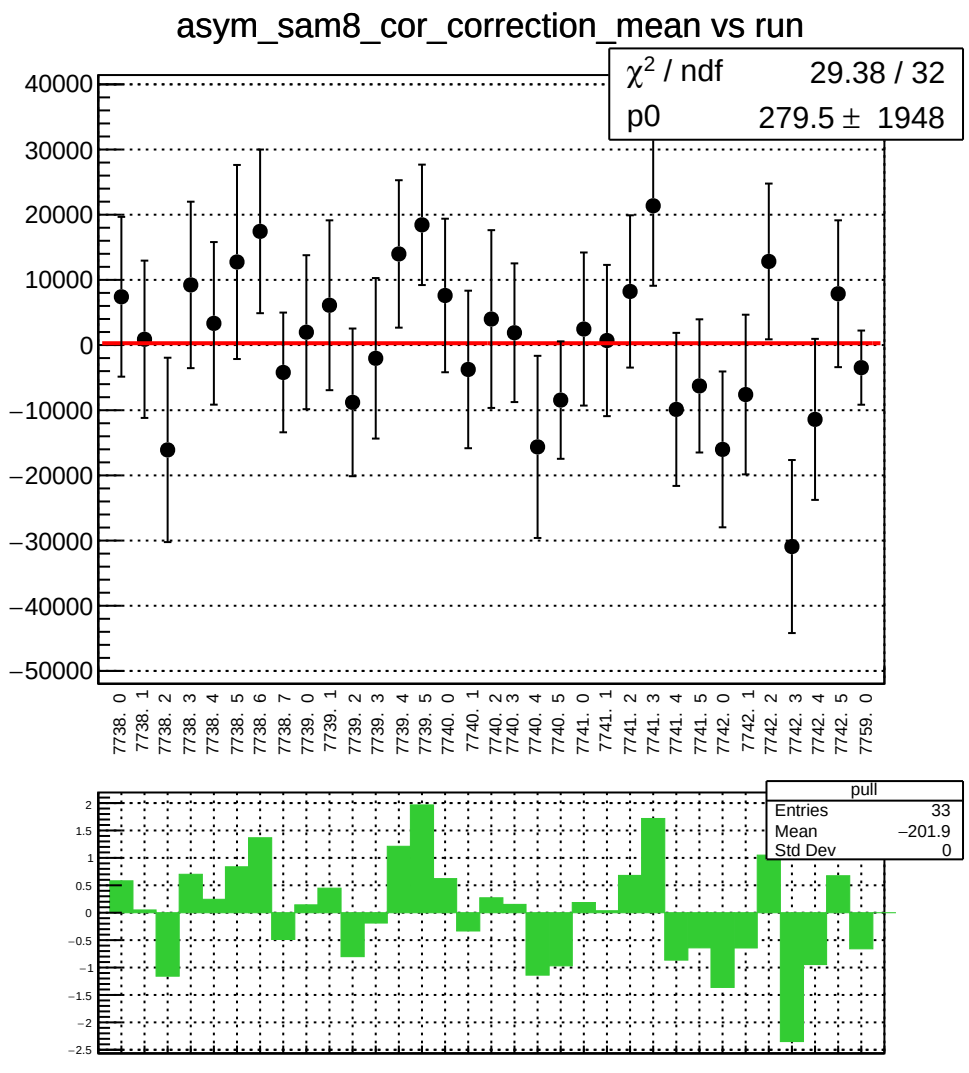
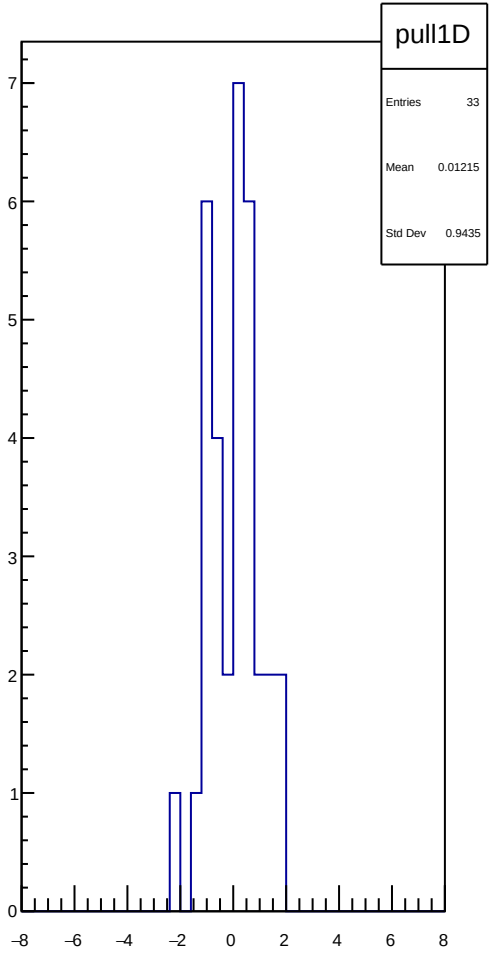
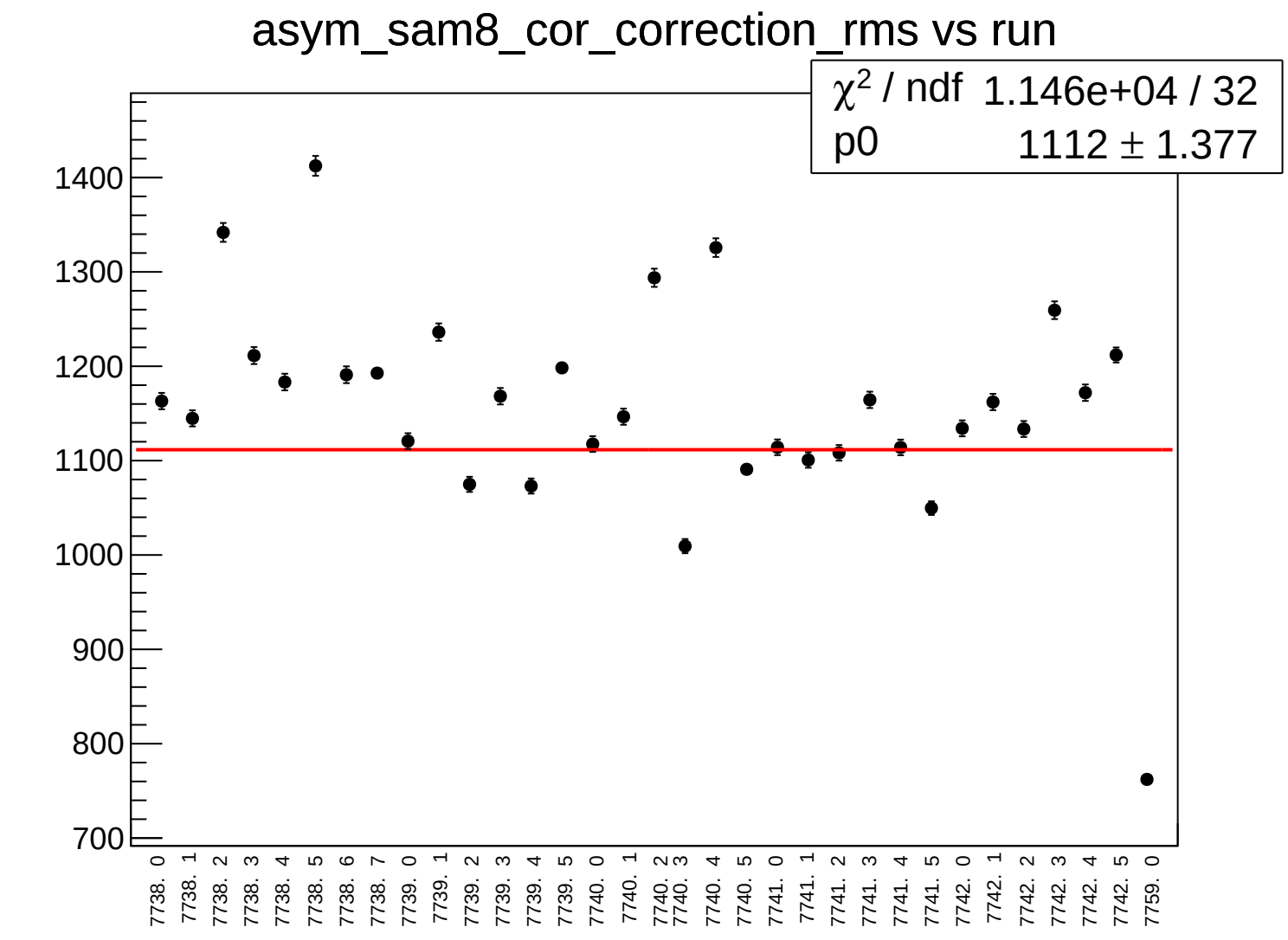
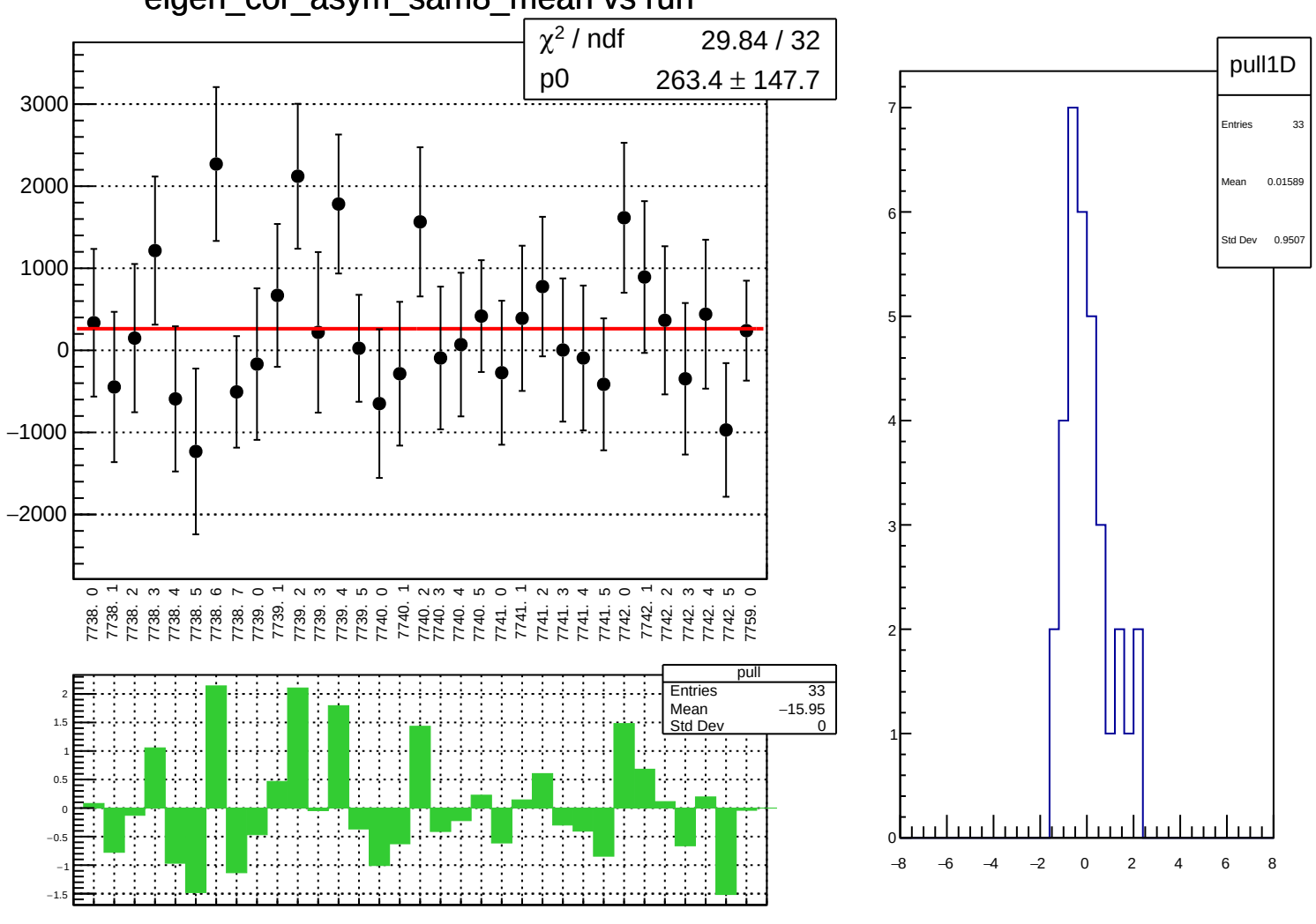
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam8_cor_correction_mean vs run
χ² / ndf 29.38 / 32
p0 279.5 ± 1948
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −201.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean 0.01215
Std Dev 0.9435
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 1.146e+04 / 32
p0 1112 ± 1.377
1400
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_cor_asym_sam8_mean vs run
χ² / ndf 29.84 / 32
p0 263.4 ± 147.7
3000
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01589
Std Dev 0.9507
7
6
5
4
3
2
1
0
−8
−6
−4
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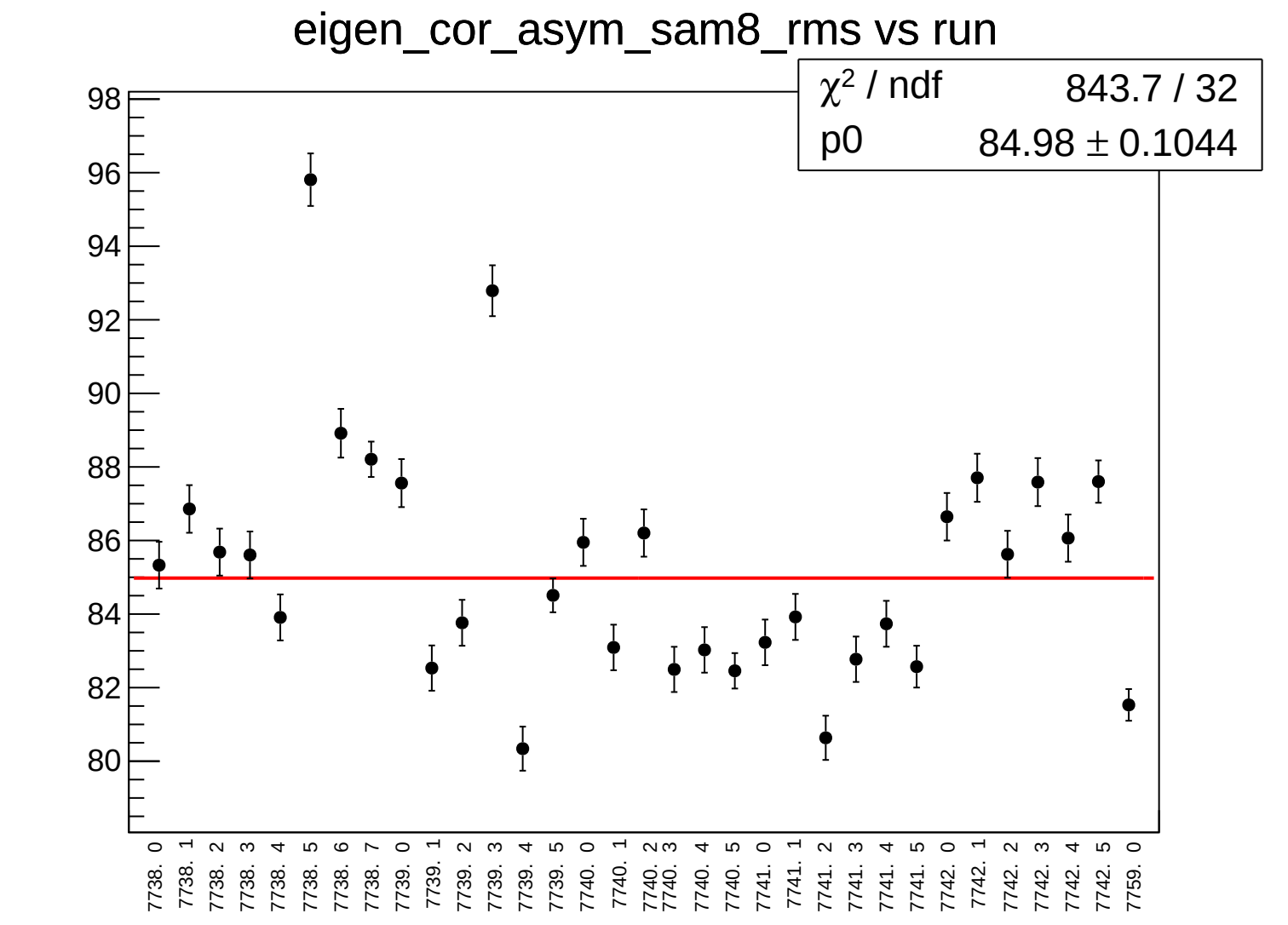
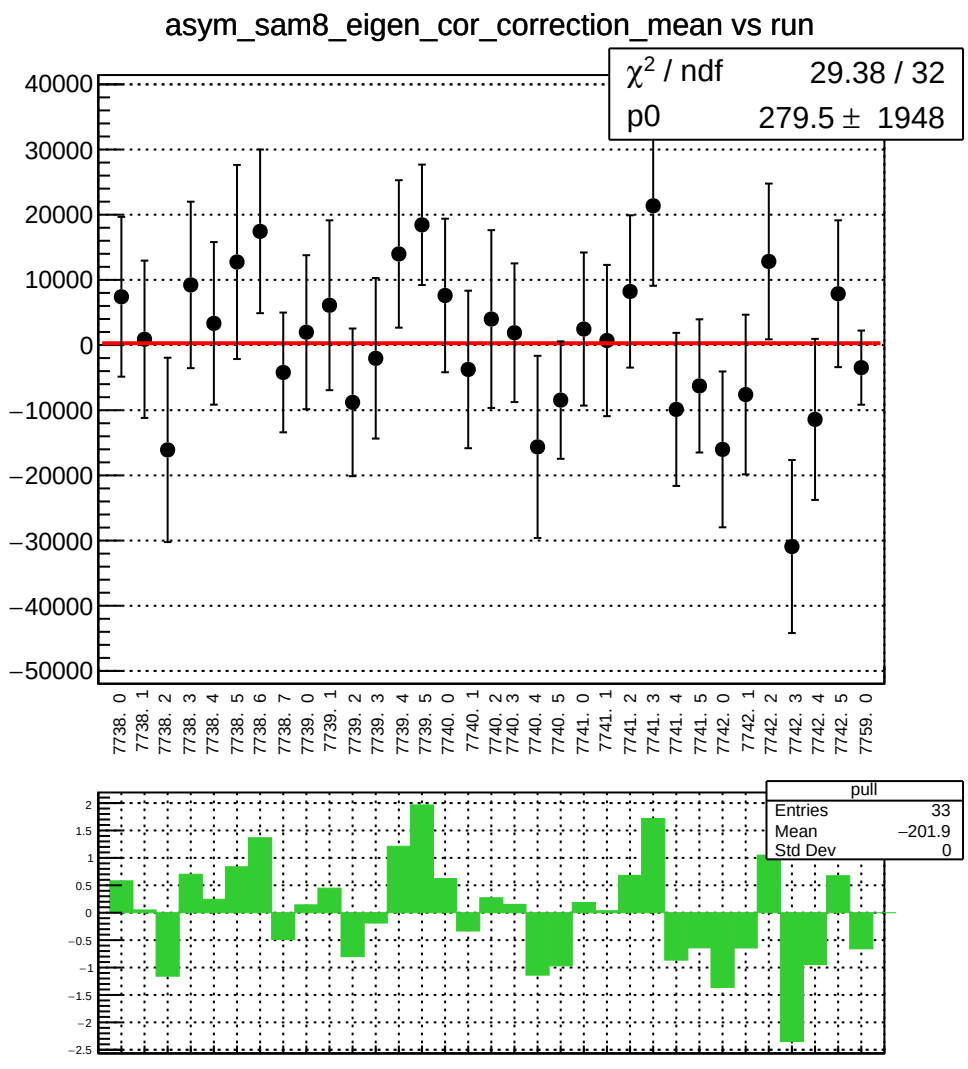
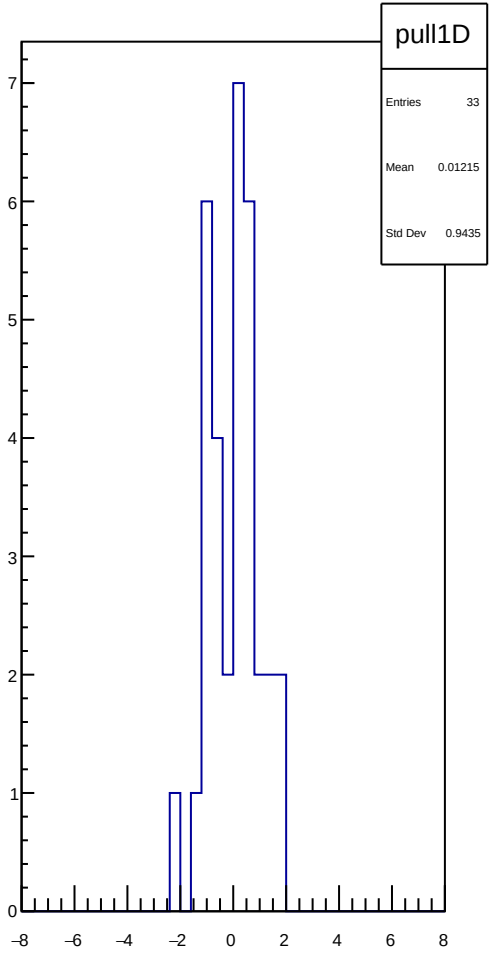
2
4
6
8


eigen_cor_asym_sam8_rms vs run
χ² / ndf 843.7 / 32
p0 84.98 ± 0.1044
98
96
94
92
90
88
86
84
82
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 29.38 / 32
p0 279.5 ± 1948
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −201.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean 0.01215
Std Dev 0.9435
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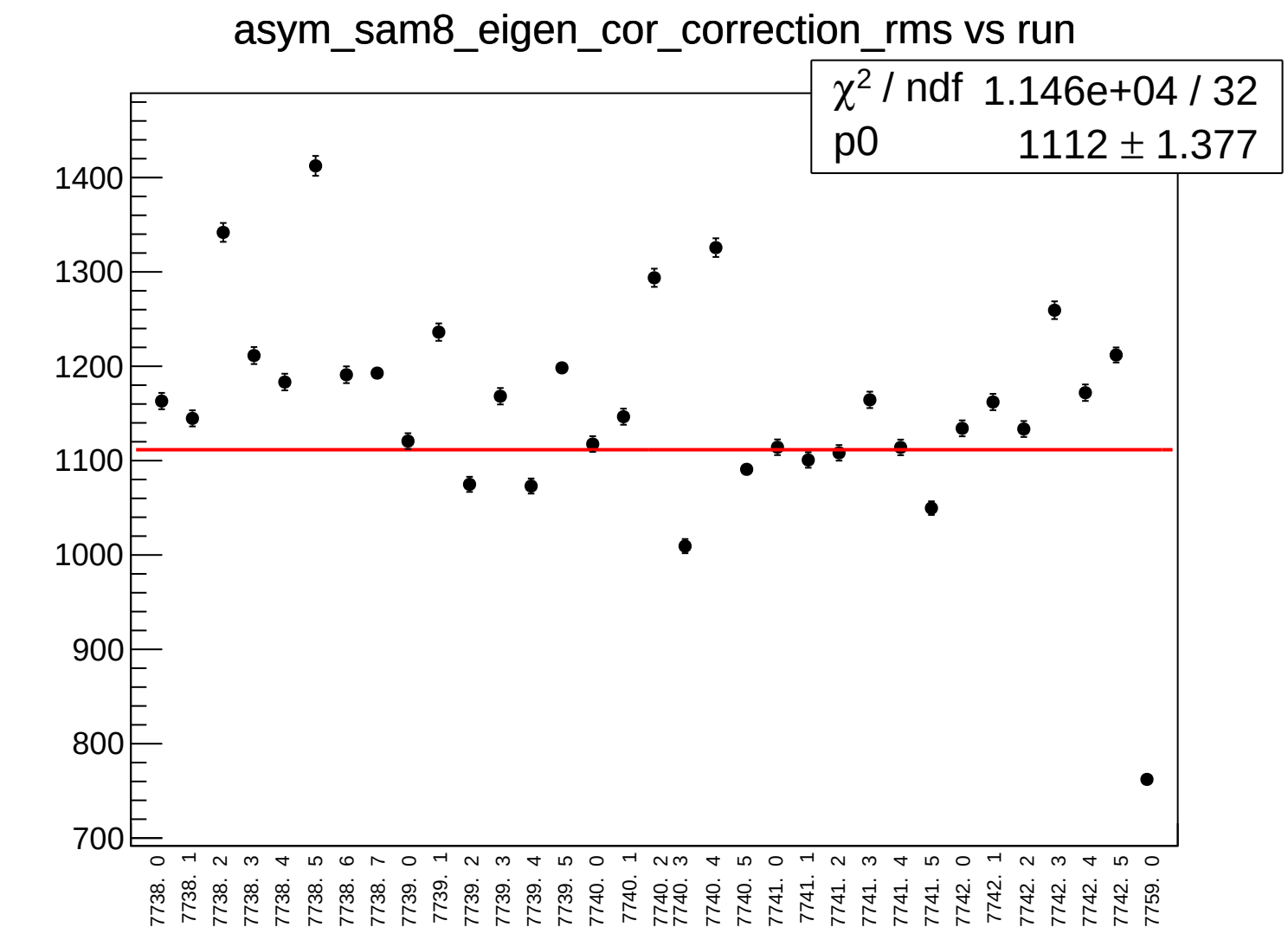
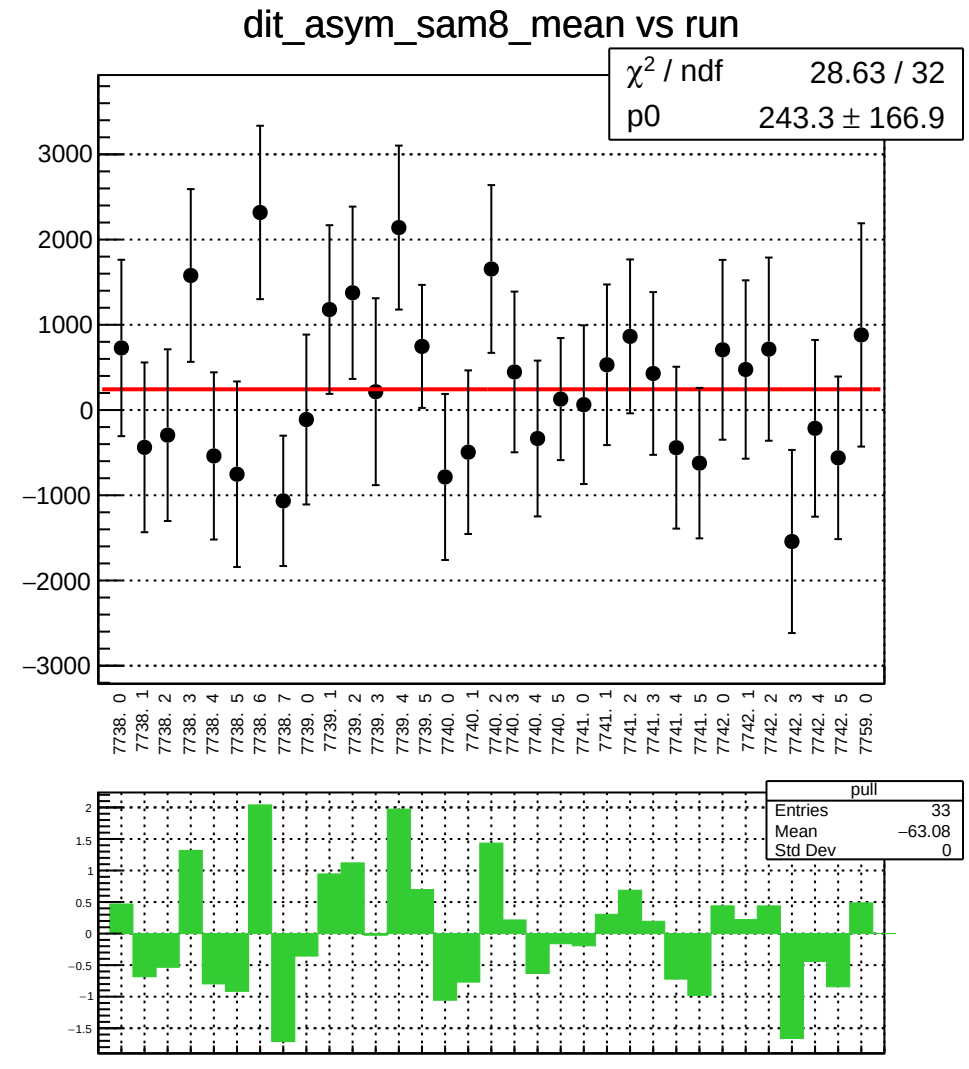
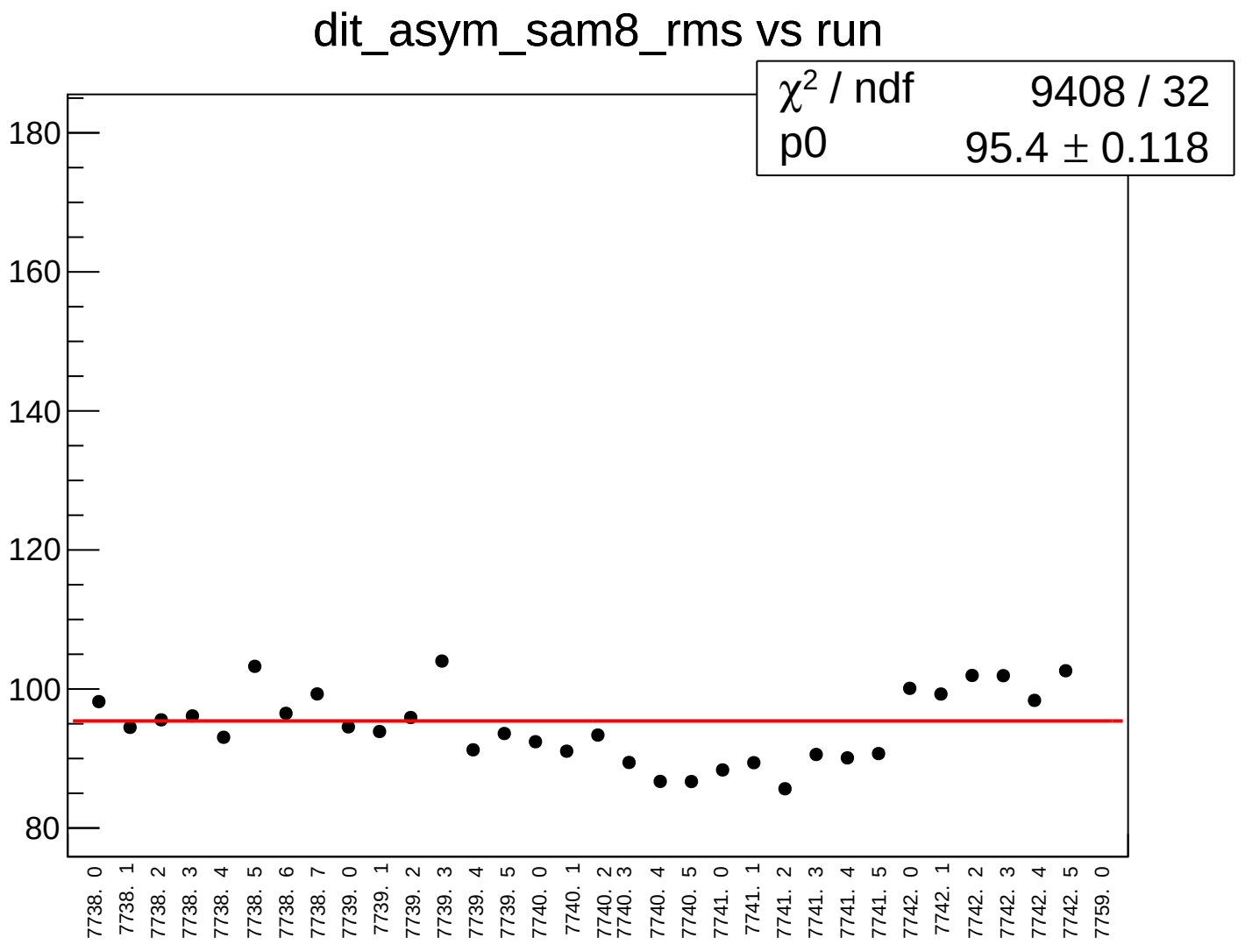
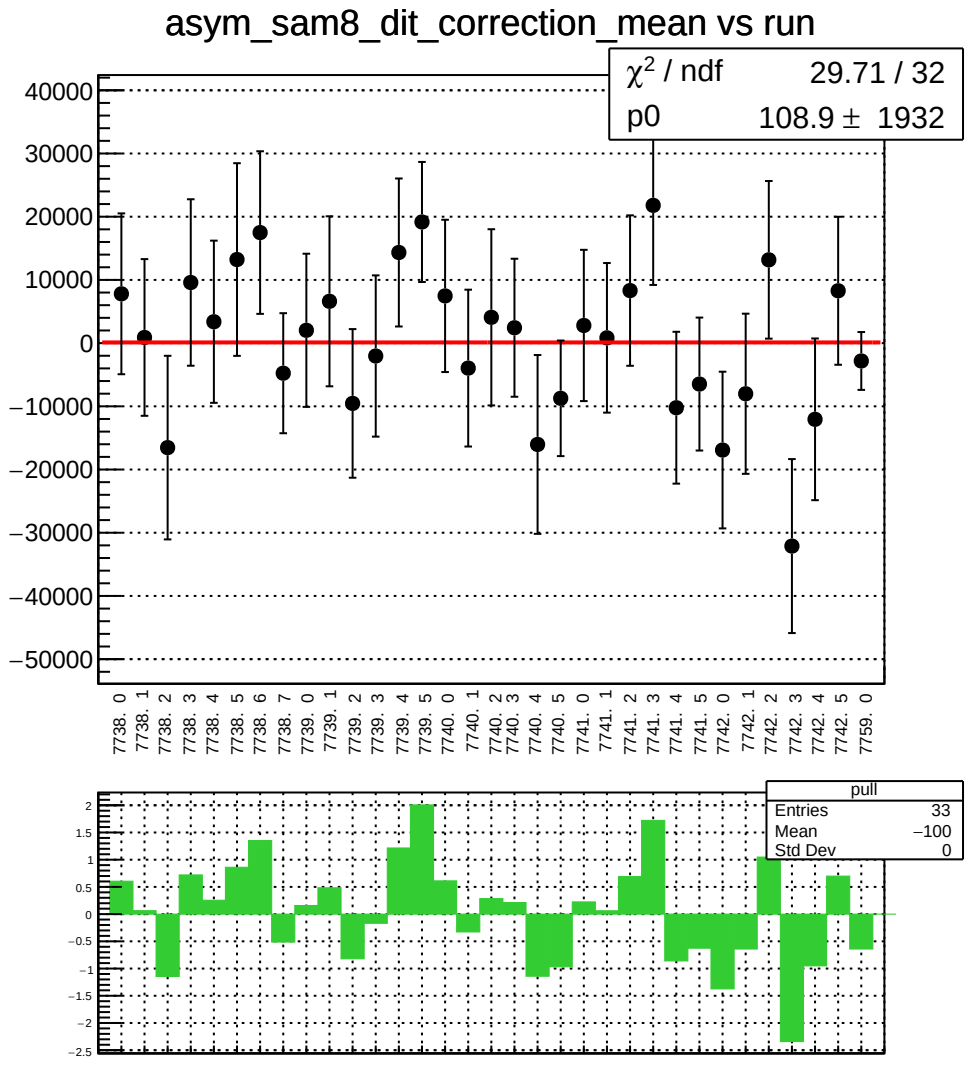
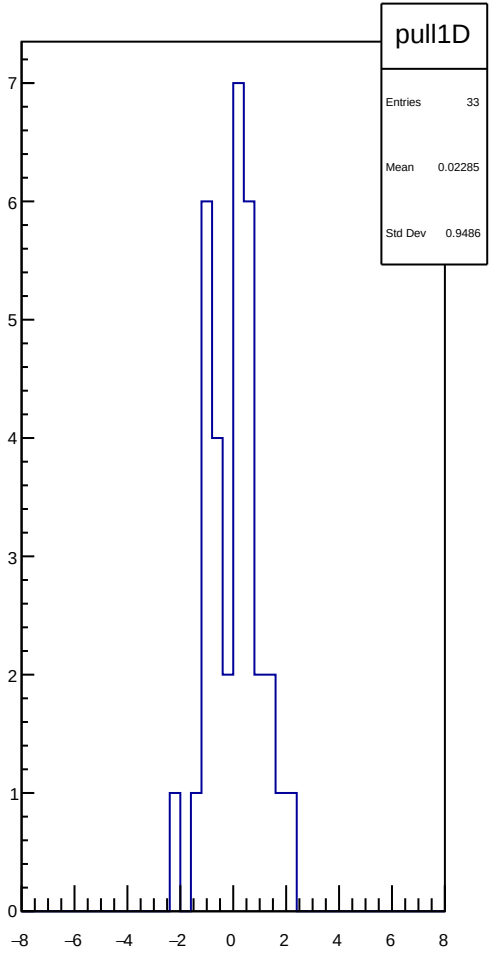
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 1.146e+04 / 32
p0 1112 ± 1.377
1400
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


dit_asym_sam8_mean vs run
χ² / ndf 28.63 / 32
p0 243.3 ± 166.9
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −63.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01529
Std Dev 0.9312
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam8_rms vs run
χ^2 / ndf 9408 / 32
p0 95.4 ± 0.118
180
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam8_dit_correction_mean vs run
χ² / ndf 29.71 / 32
p0 108.9 ± 1932
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −100
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean 0.02285
Std Dev 0.9486
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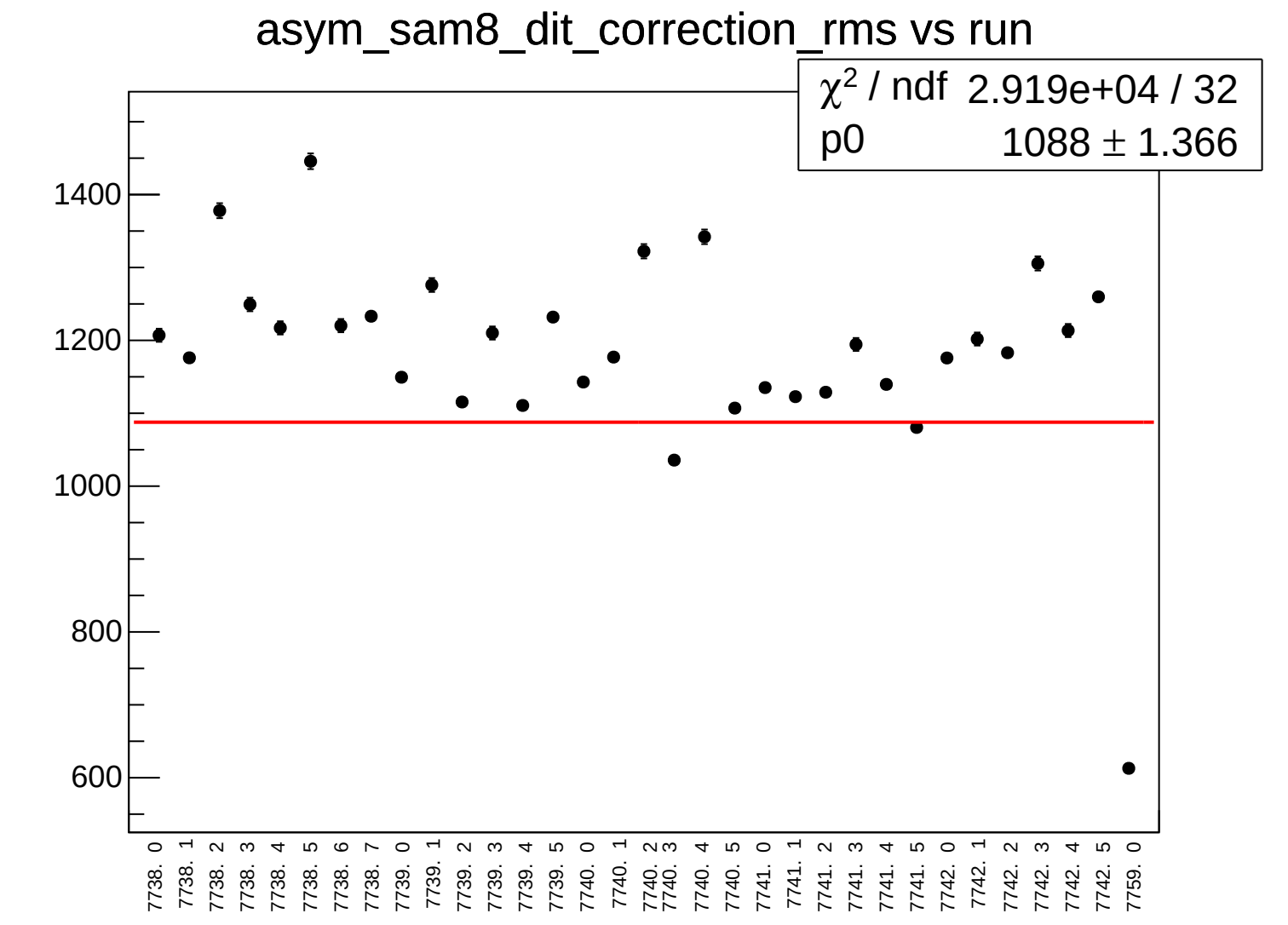
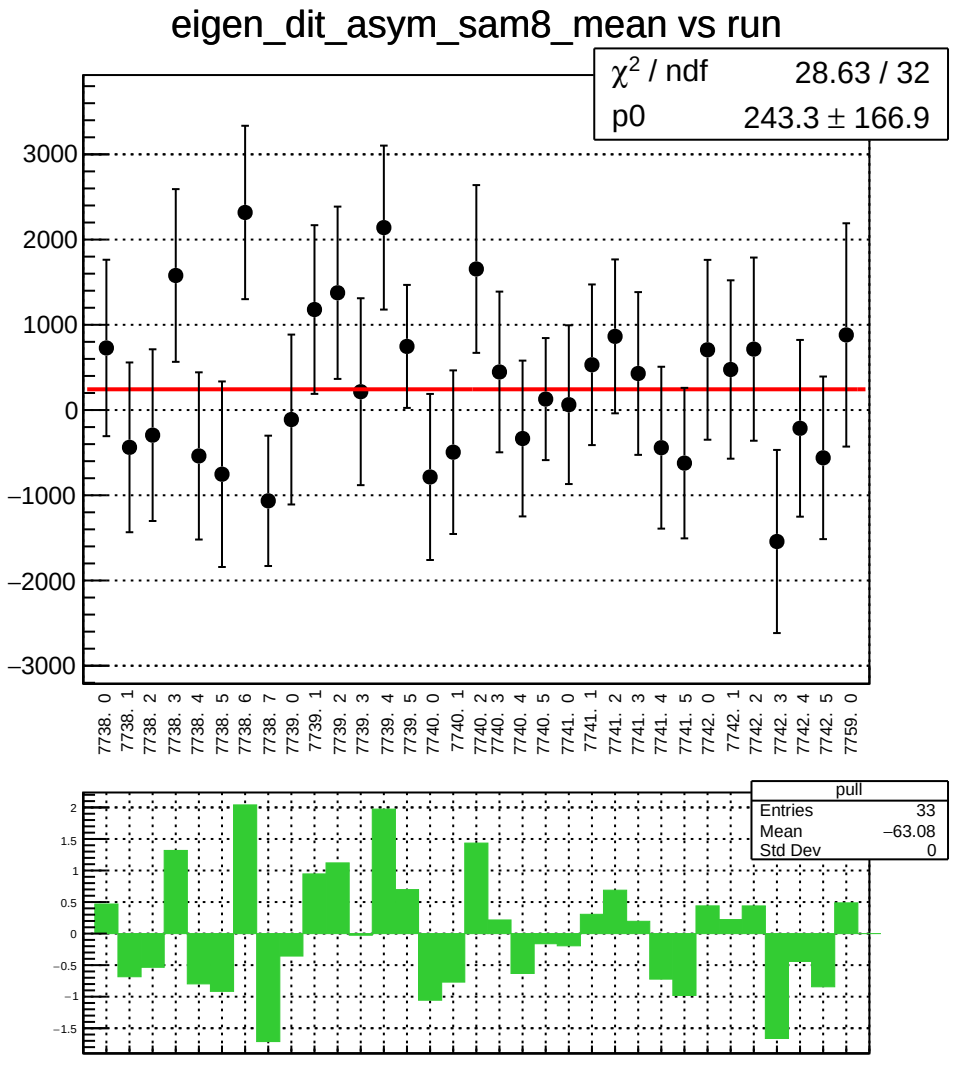
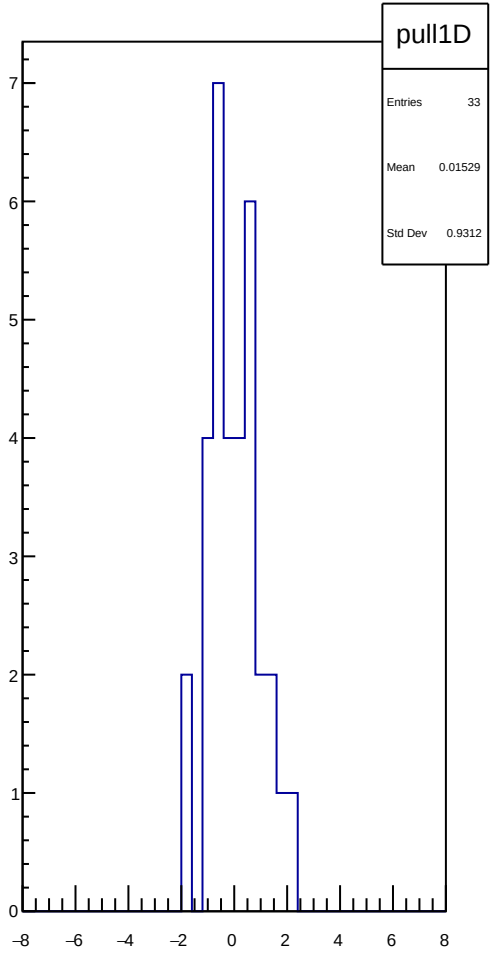
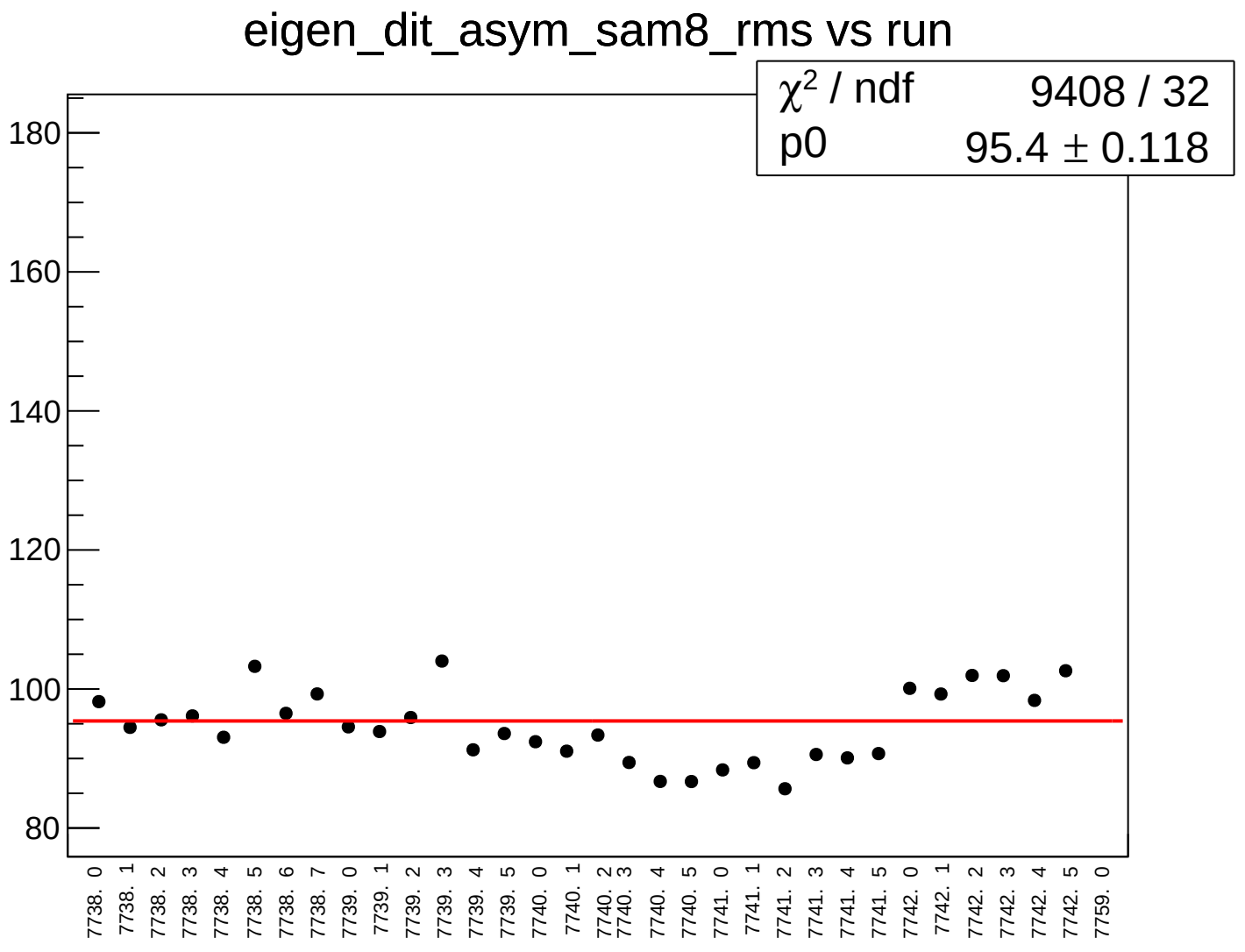
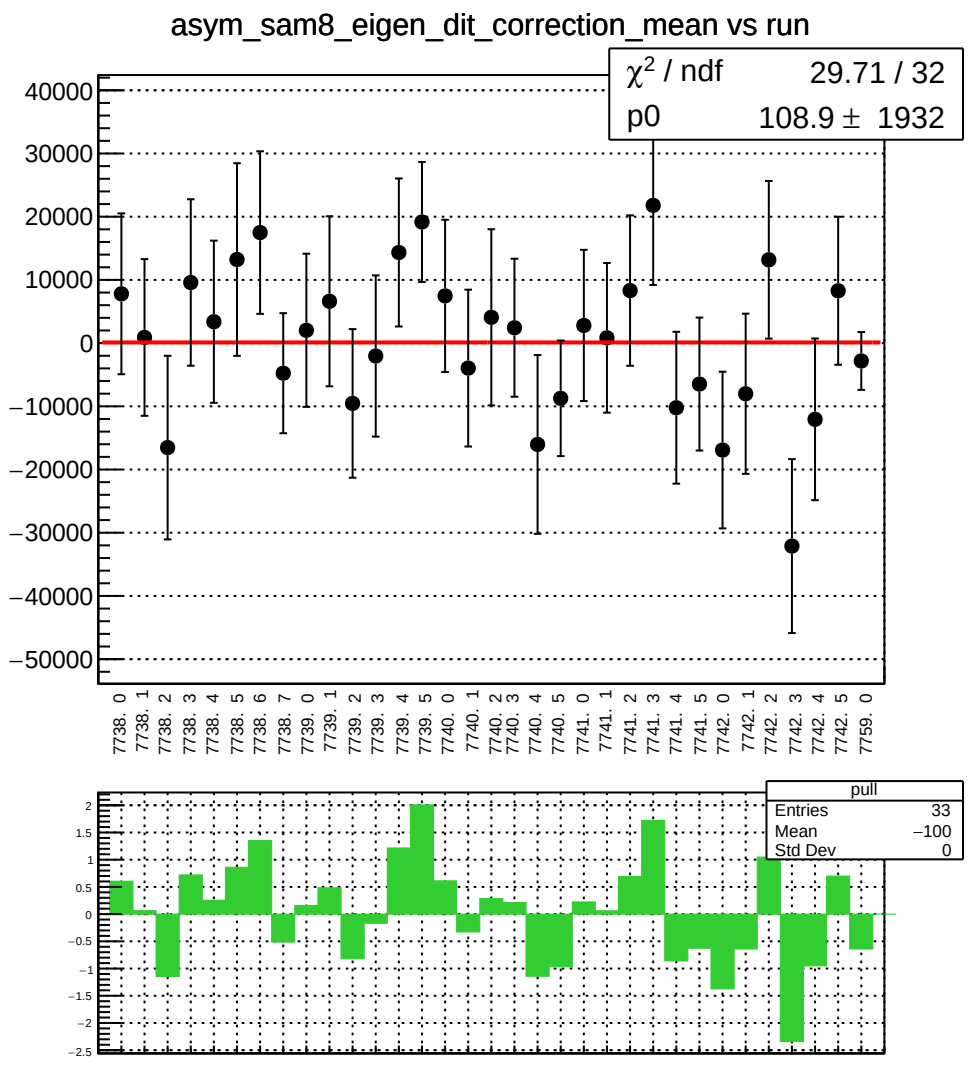
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

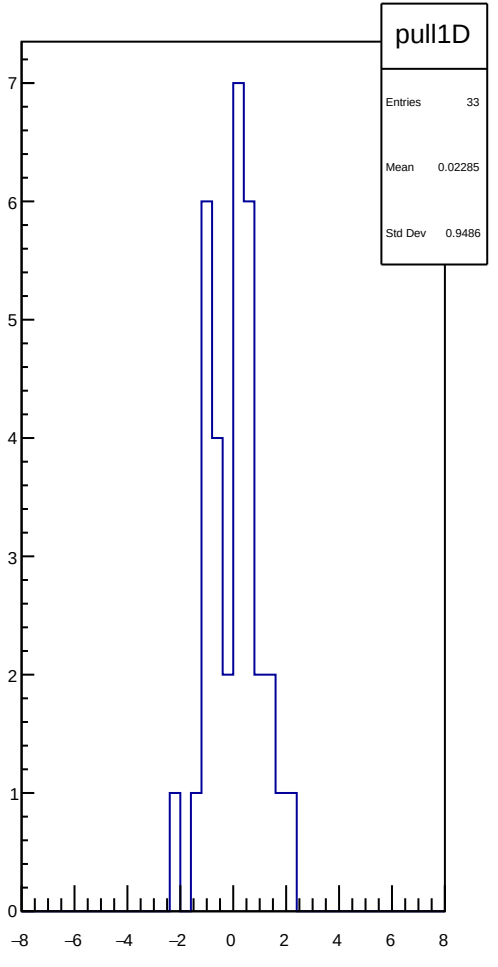

asym_sam8_dit_correction_rms vs run
χ² / ndf 2.919e+04 / 32
p0 1088 ± 1.366
1400
1200
1000
800
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

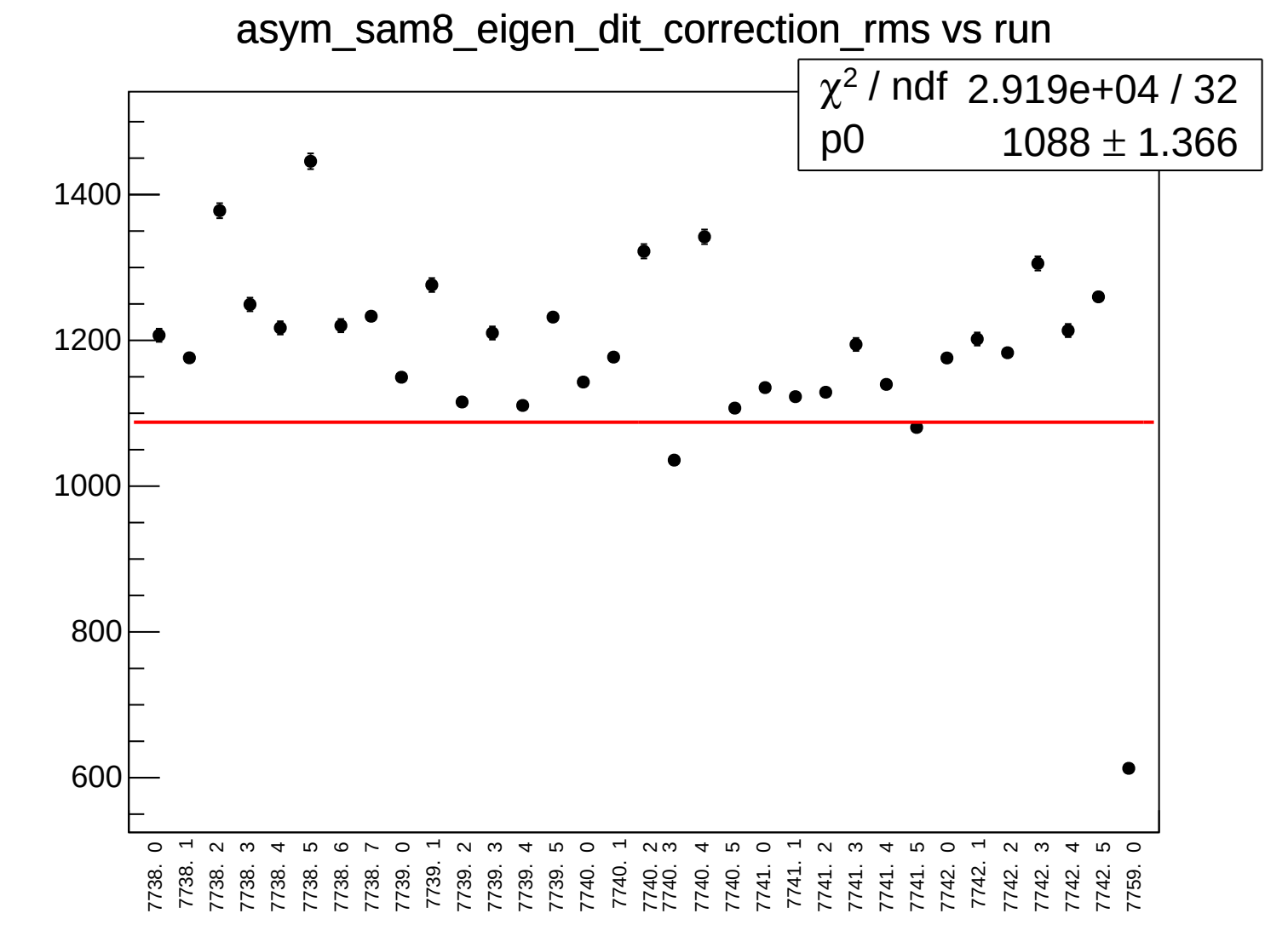

eigen_dit_asym_sam8_mean vs run
χ² / ndf 28.63 / 32
p0 243.3 ± 166.9
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −63.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

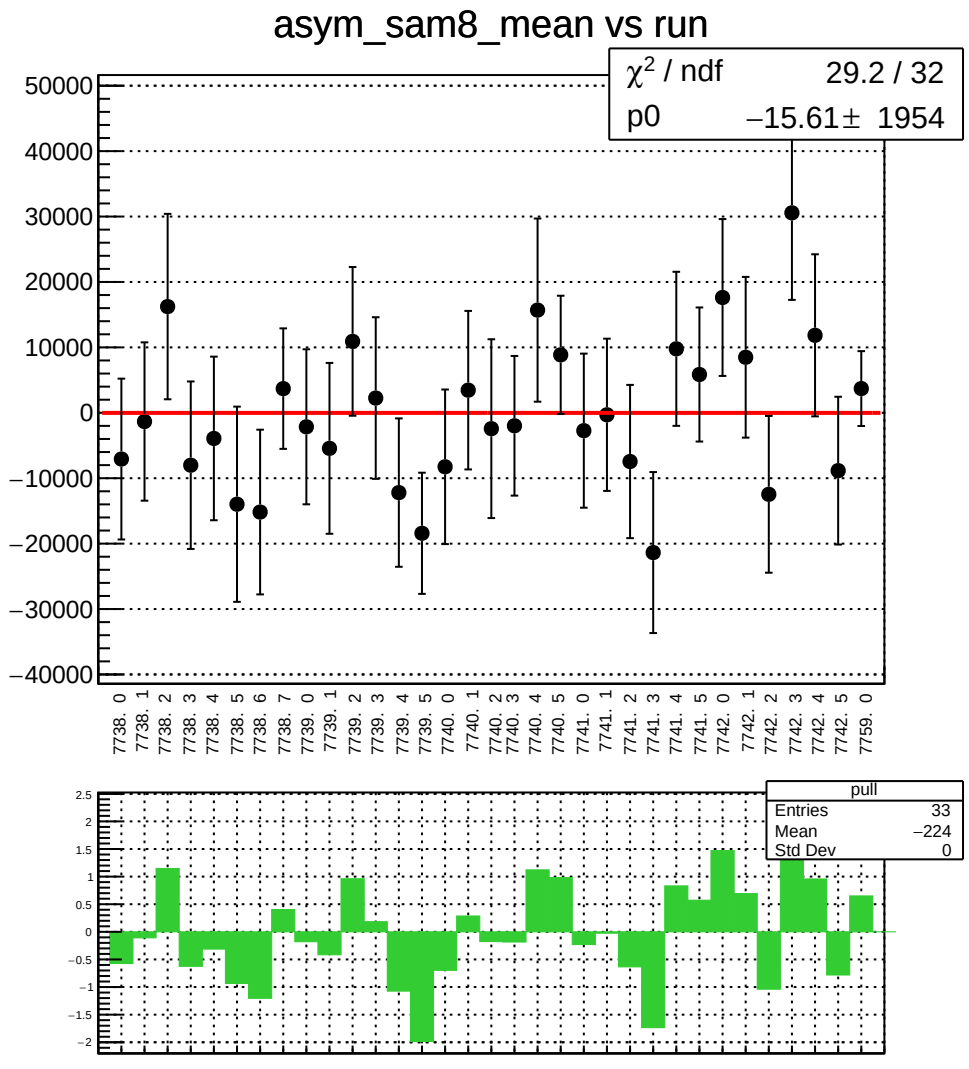

pull1D
Entries 33
Mean 0.01529
Std Dev 0.9312
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

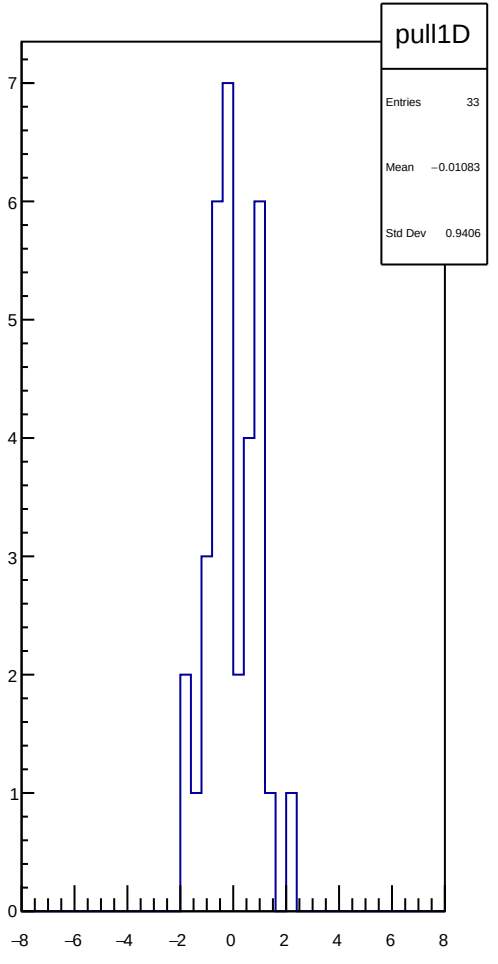

eigen_dit_asym_sam8_rms vs run
χ² / ndf 9408 / 32
p0 95.4 ± 0.118
180
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

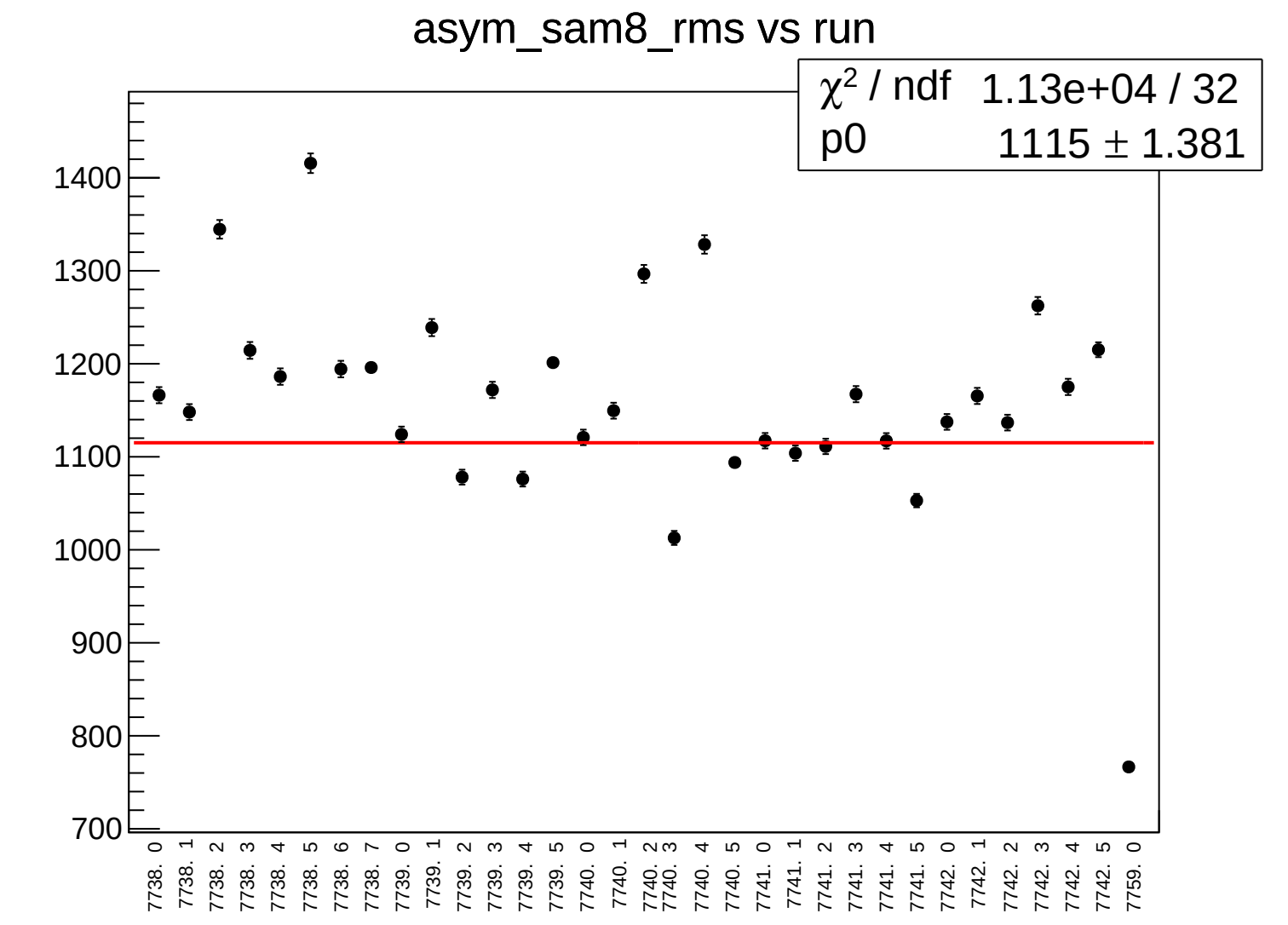

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 29.71 / 32
p0 108.9 ± 1932
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −100
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

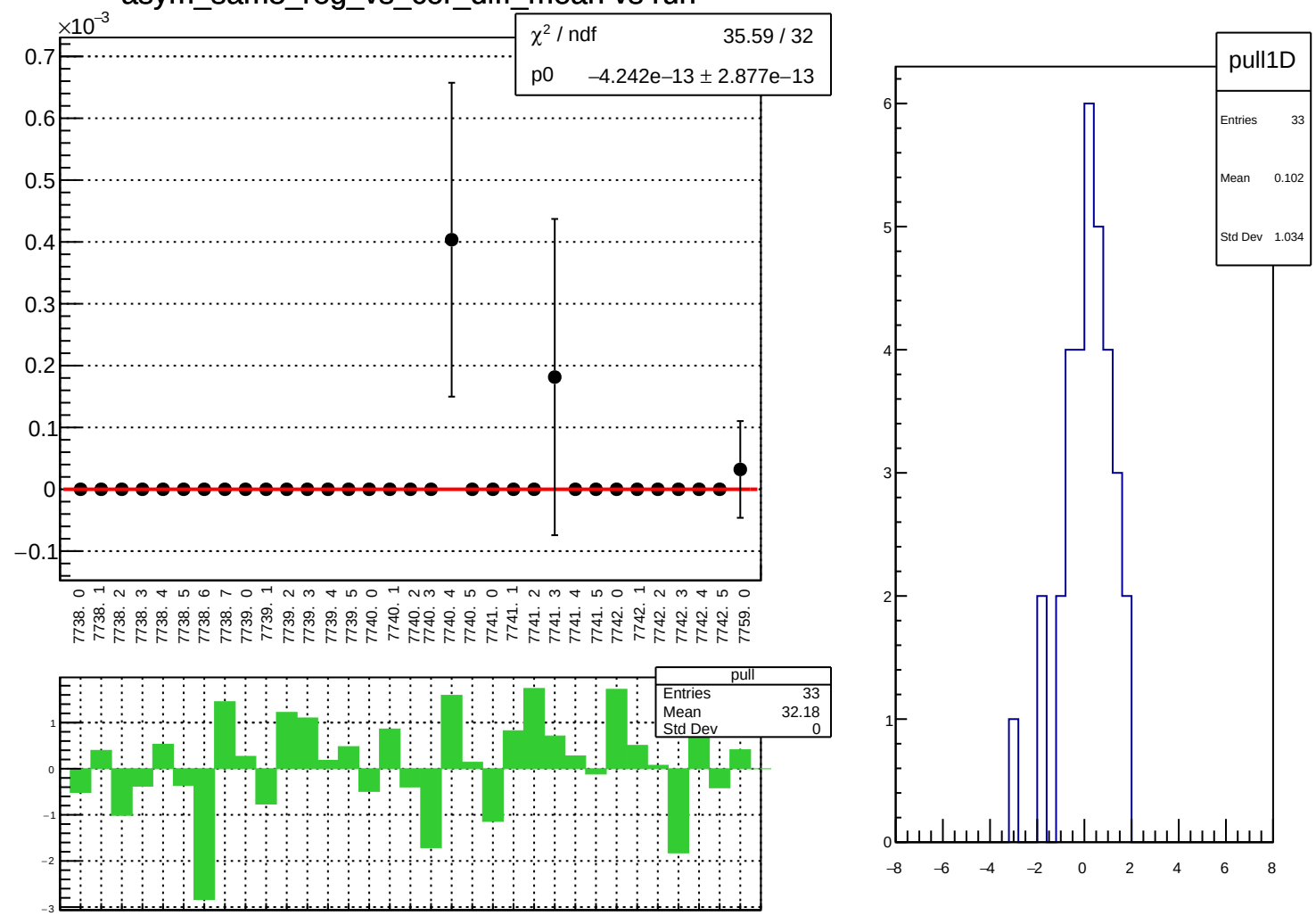

pull1D
Entries 33
Mean 0.02285
Std Dev 0.9486
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

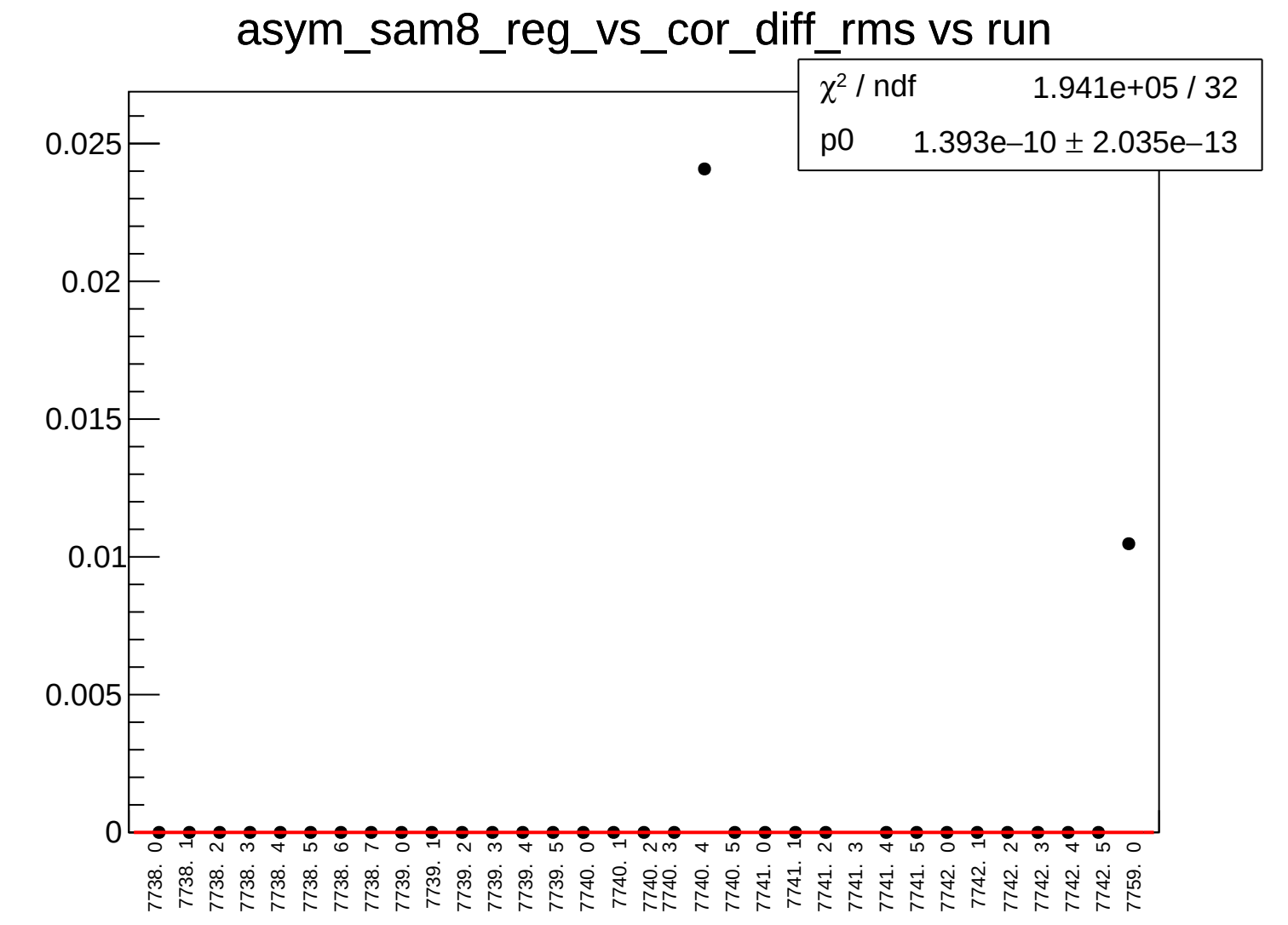

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 2.919e+04 / 32
p0 1088 ± 1.366
1400
1200
1000
800
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

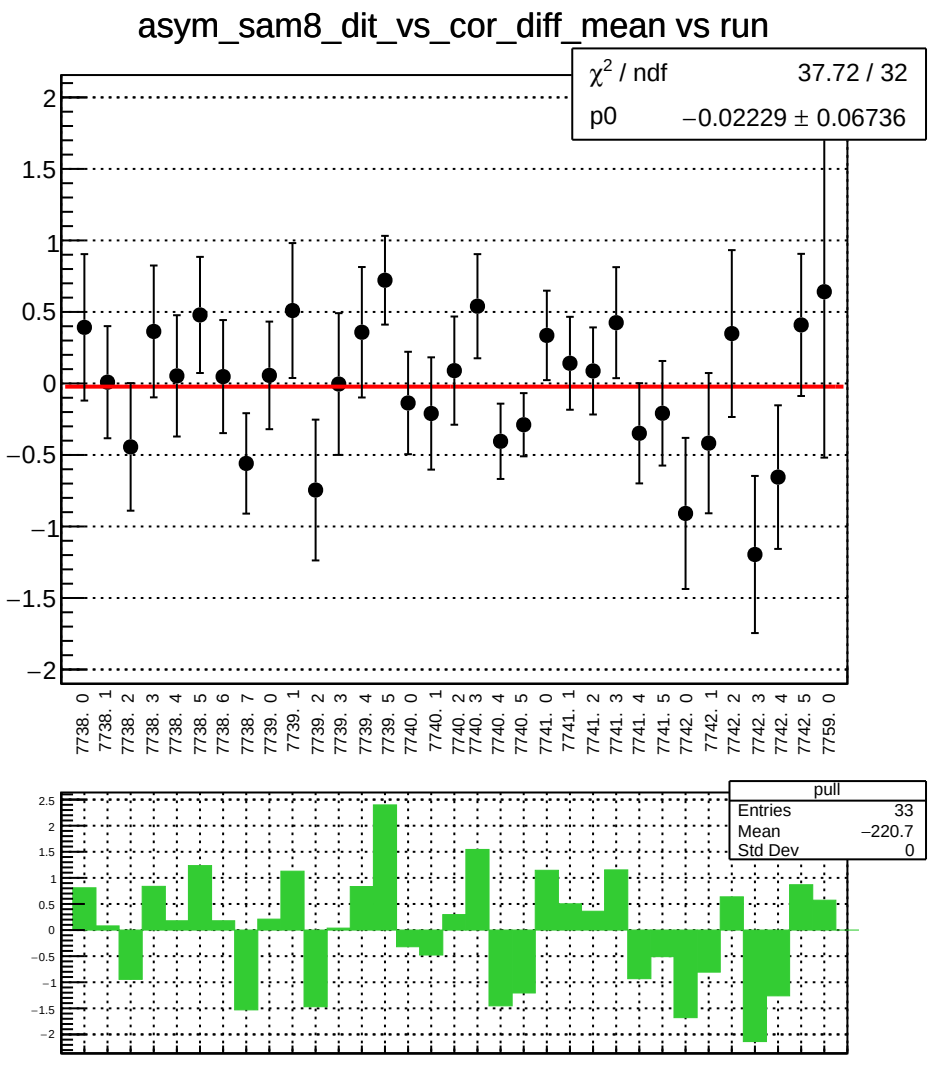

asym_sam8_mean vs run
χ² / ndf 29.2 / 32
p0 −15.61± 1954
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −224
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

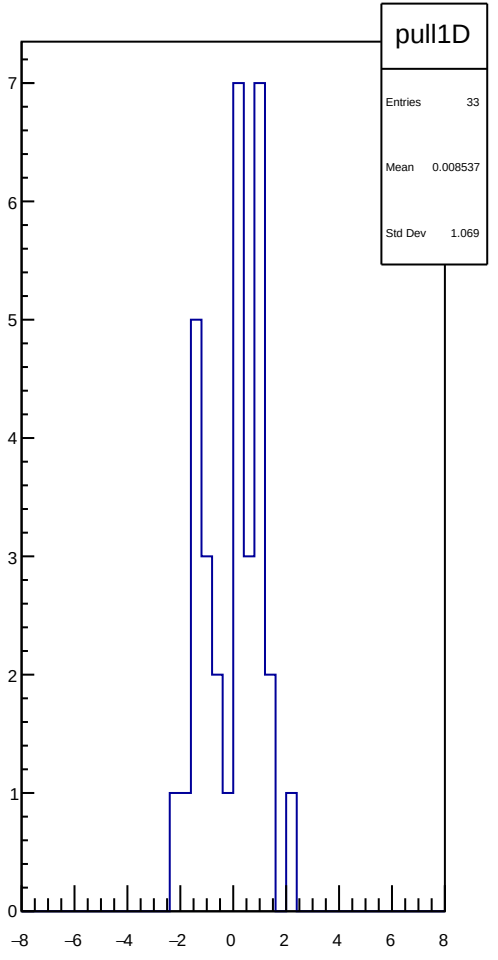

pull1D
Entries 33
Mean −0.01083
Std Dev 0.9406
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

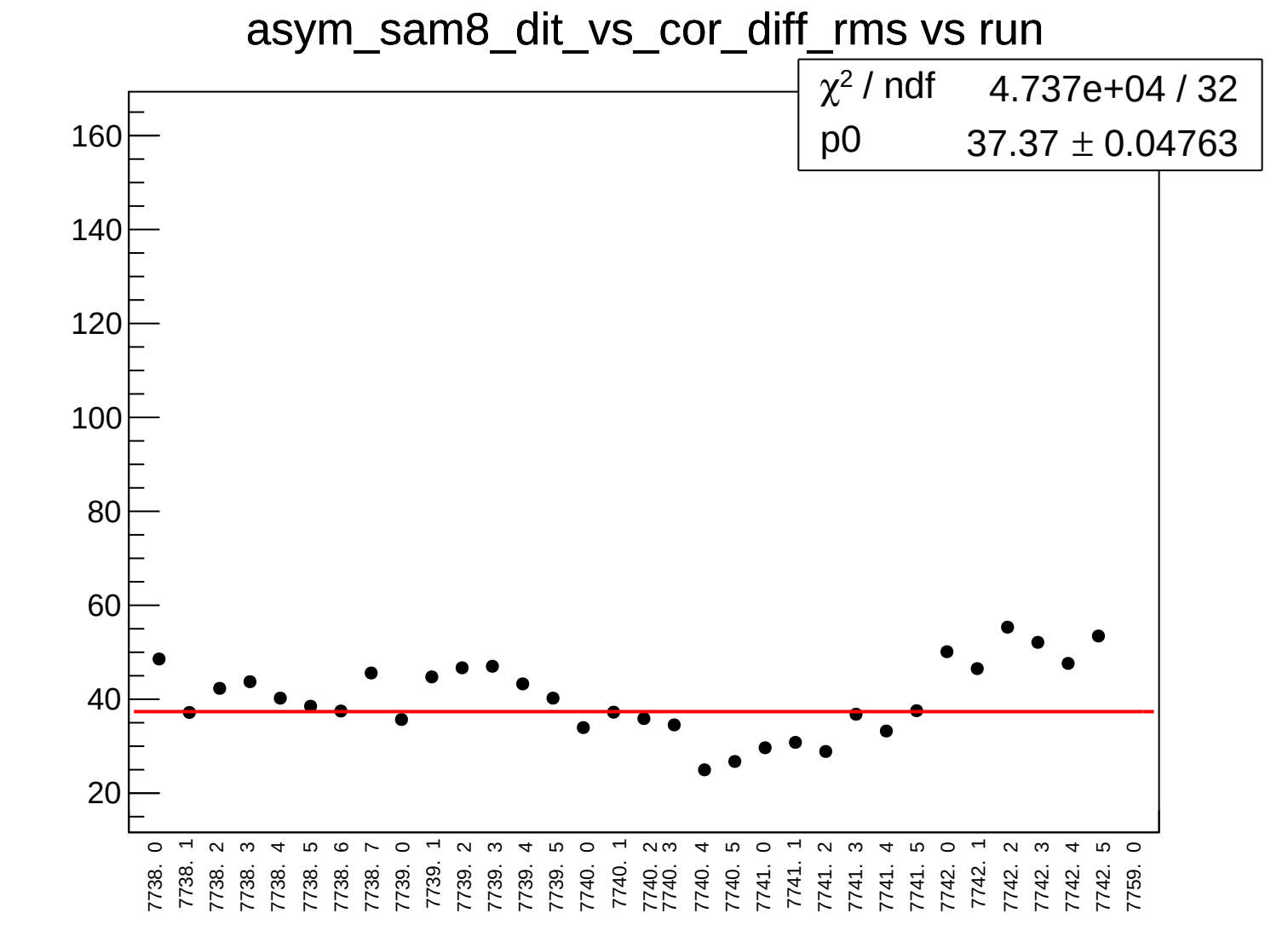

asym_sam8_rms vs run
χ² / ndf 1.13e+04 / 32
p0 1115 ± 1.381
1400
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

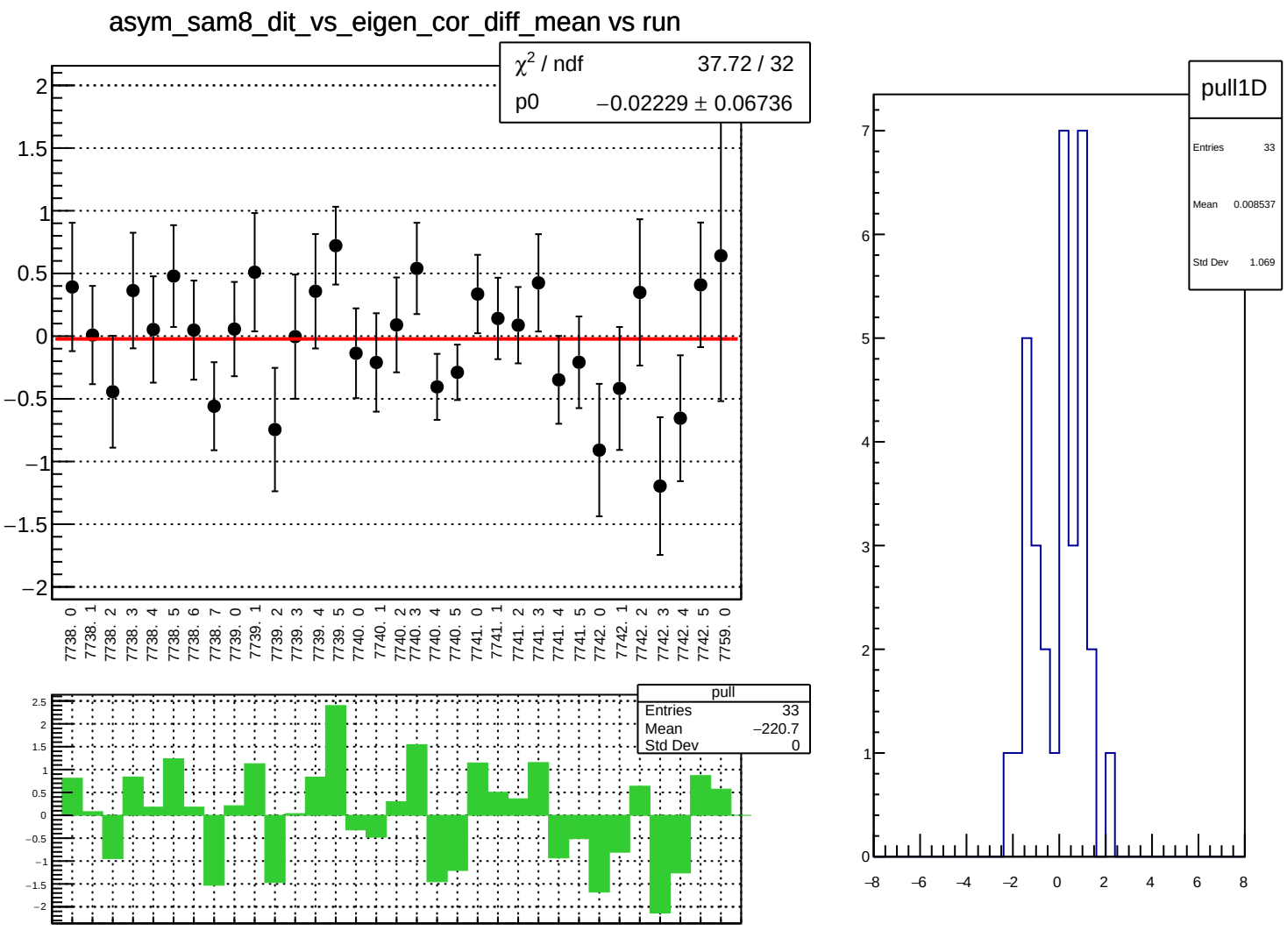

asym_sam8_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 35.59 / 32
p0 −4.242e−13 ± 2.877e−13
pull
Entries 33
Mean 32.18
Std Dev 0
pull1D
Entries 33
Mean 0.102
Std Dev 1.034

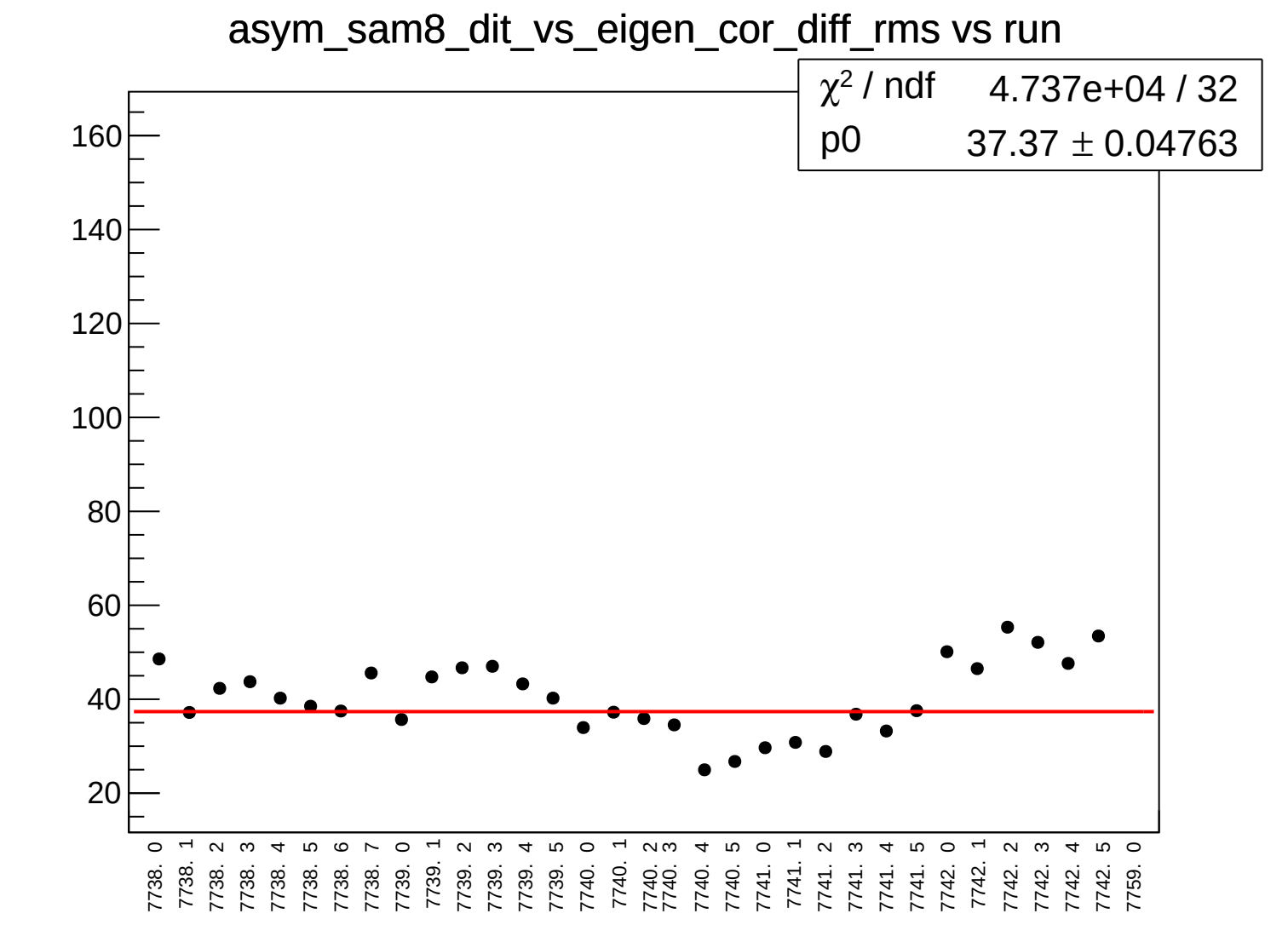

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 1.941e+05 / 32
p0 1.393e−10 ± 2.035e−13
0.025
0.02
0.015
0.01
0.005
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

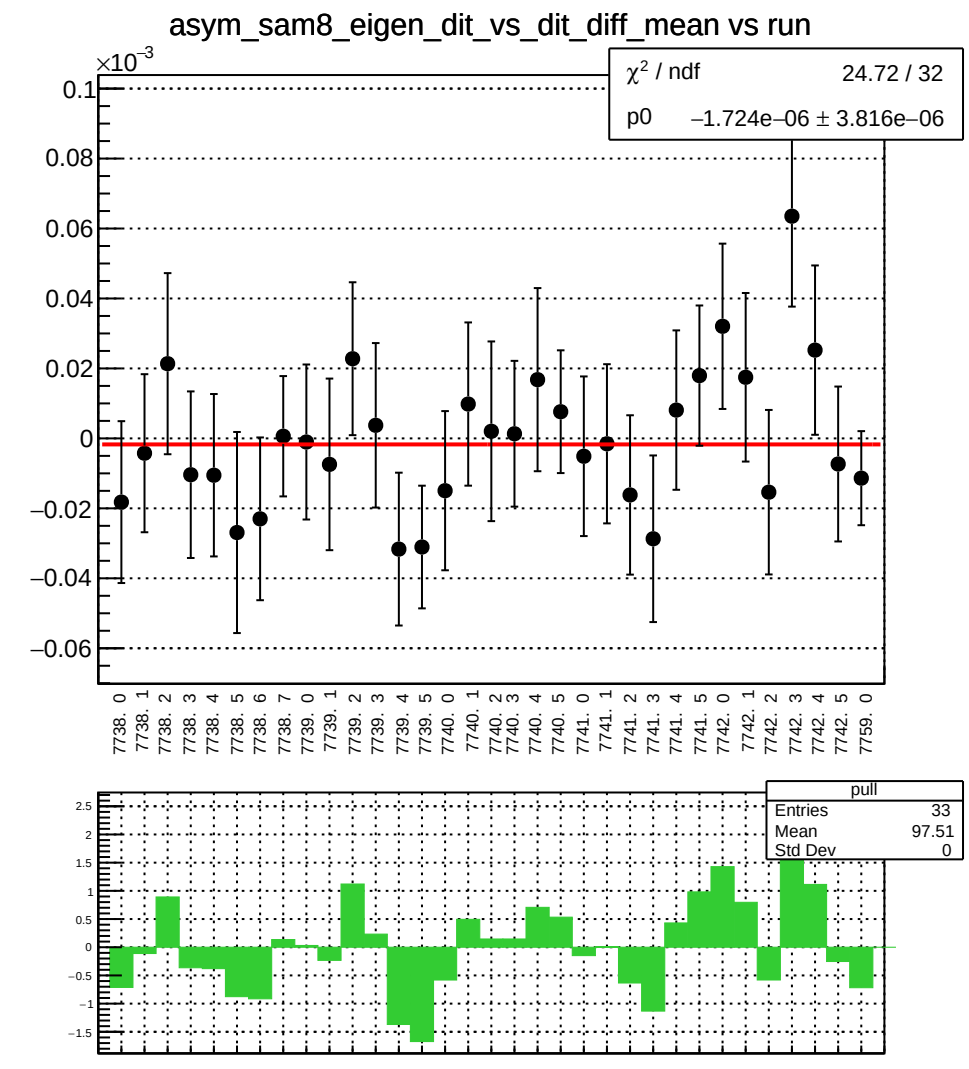

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 37.72 / 32
p0 −0.02229 ± 0.06736
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −220.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

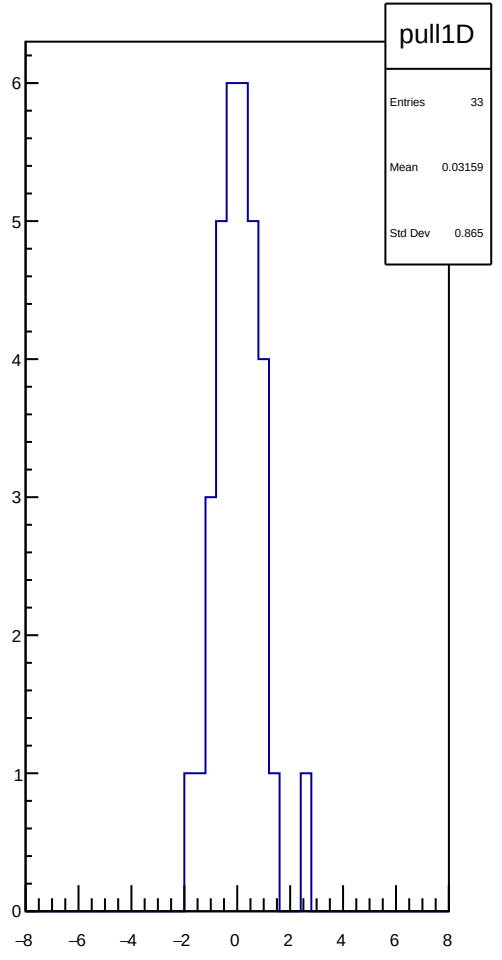

pull1D
Entries 33
Mean 0.008537
Std Dev 1.069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

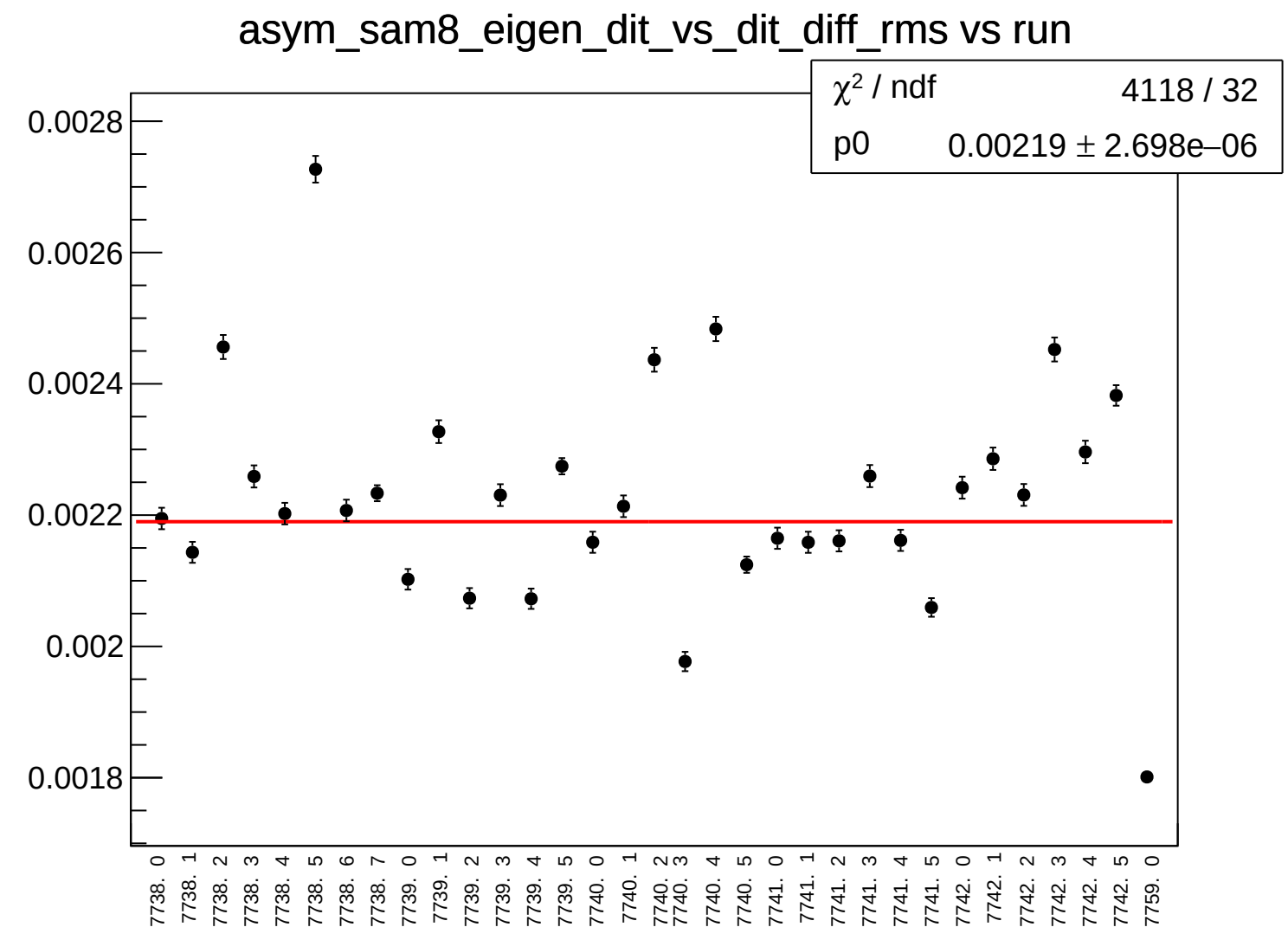

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 4.737e+04 / 32
p0 37.37 ± 0.04763
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

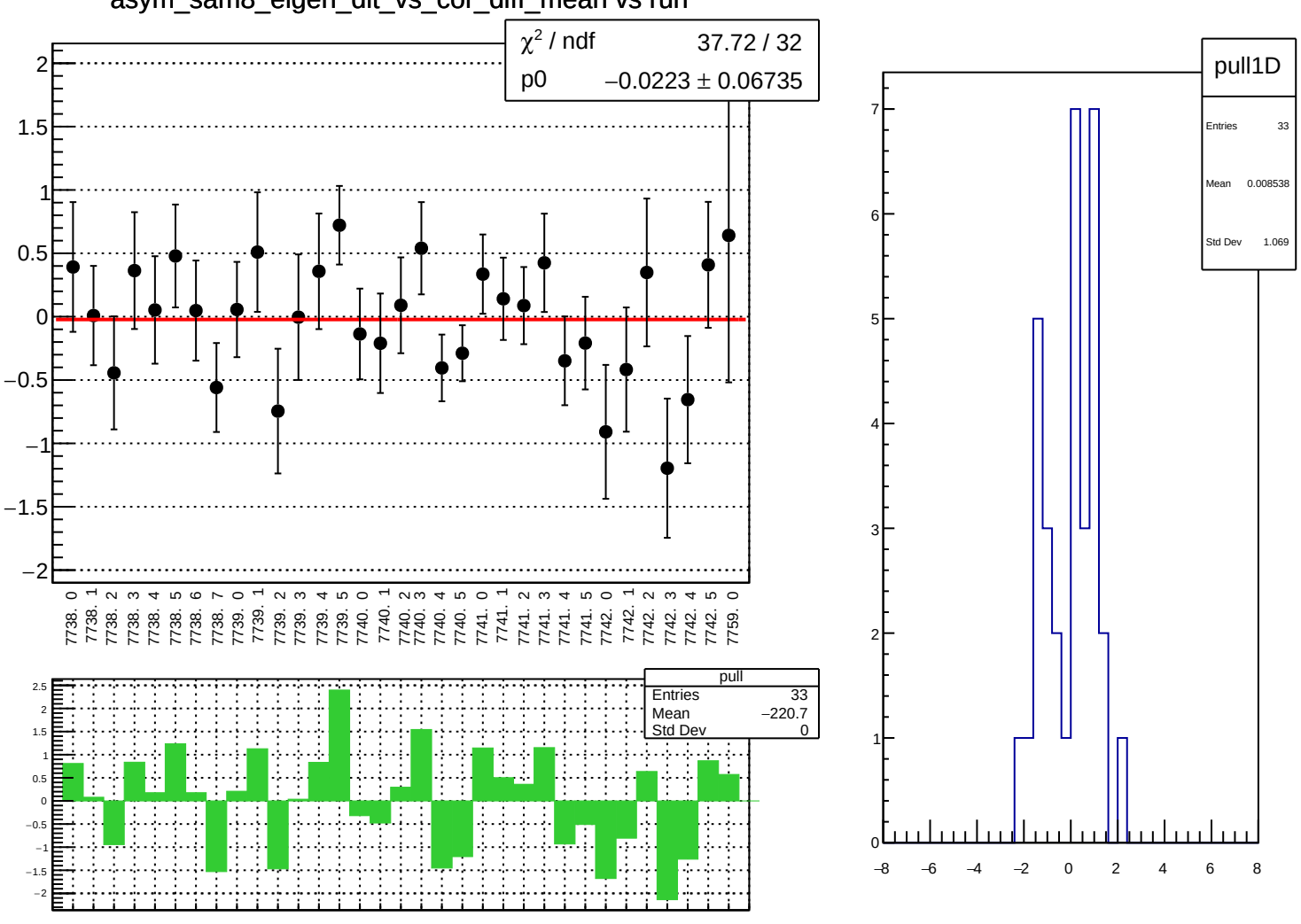

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.72 / 32
p0 −0.02229 ± 0.06736
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −220.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.008537
Std Dev 1.069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

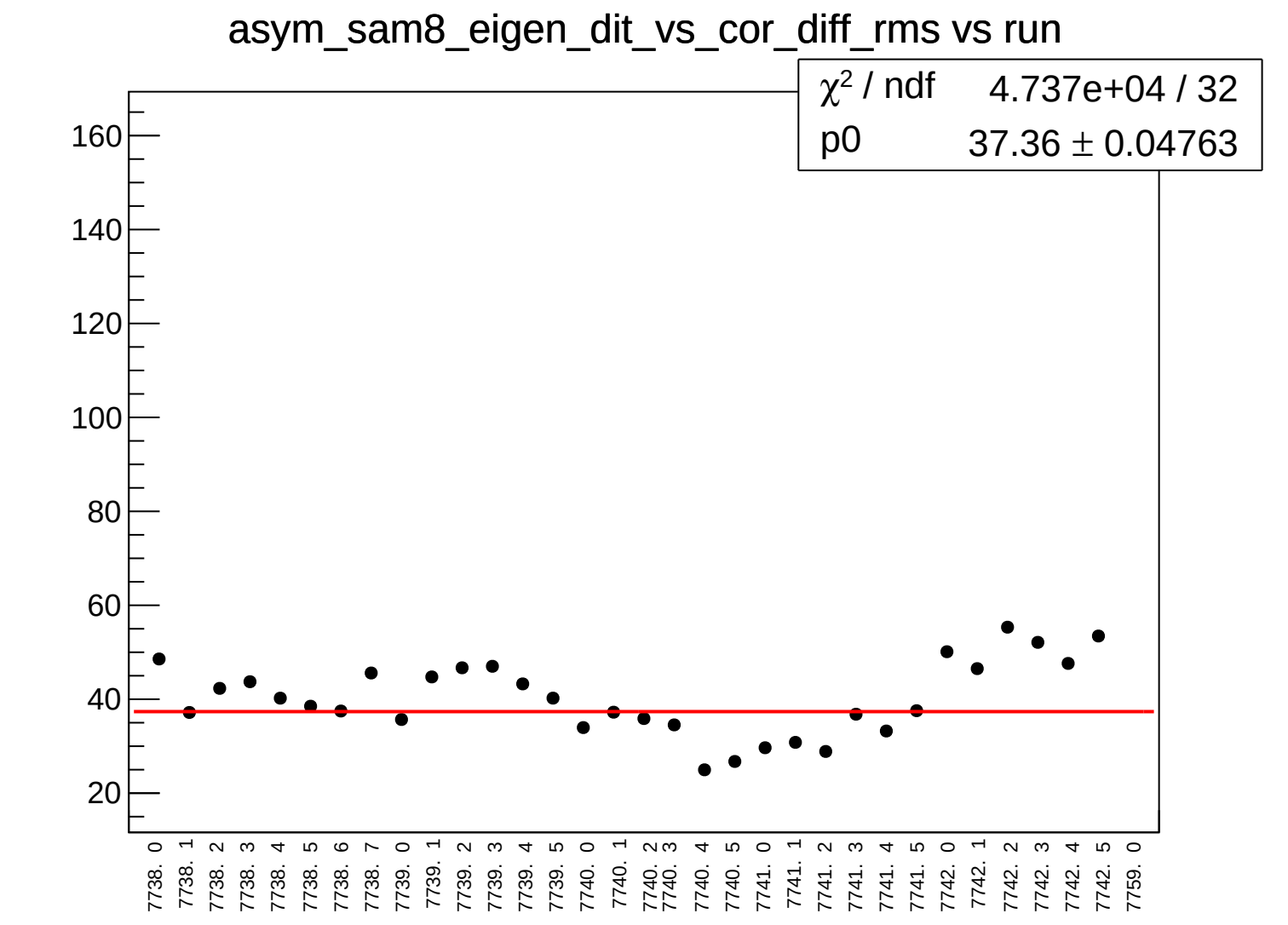

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.737e+04 / 32
p0 37.37 ± 0.04763
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

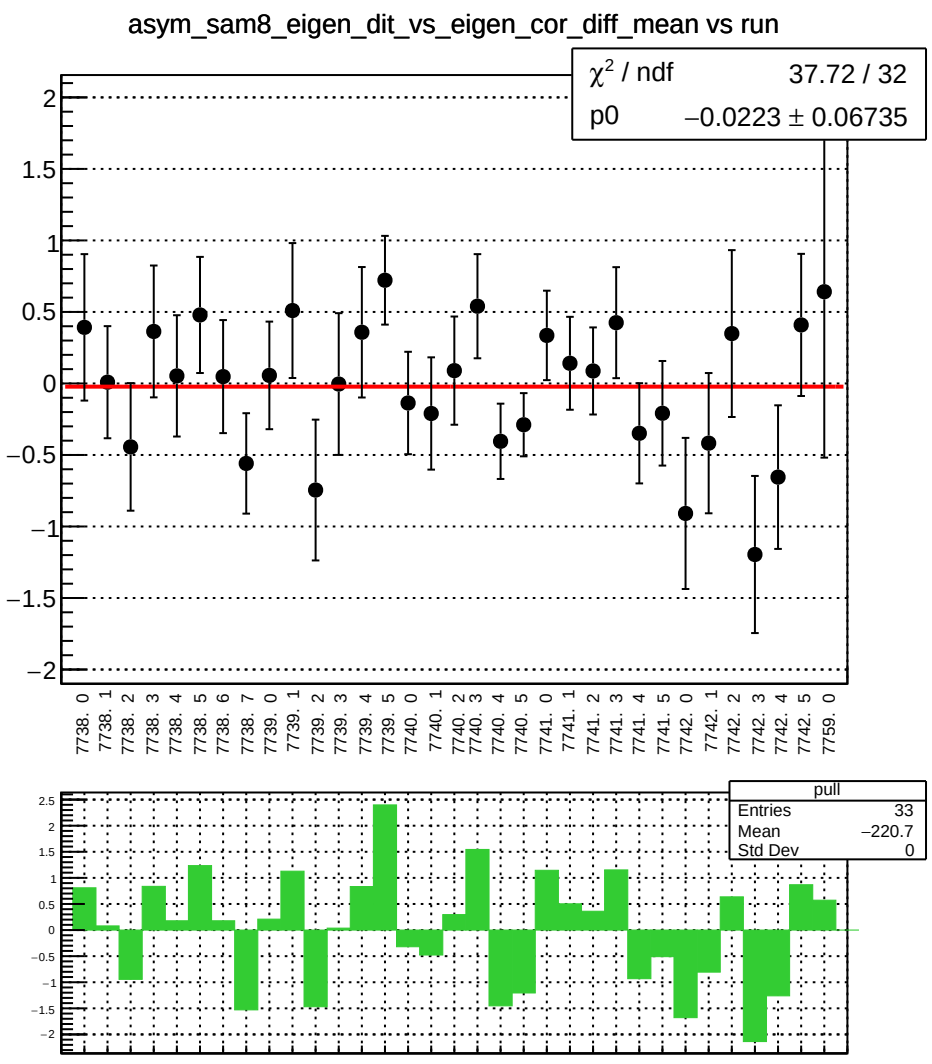

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 24.72 / 32
p0 −1.724e−06 ± 3.816e−06
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 97.51
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

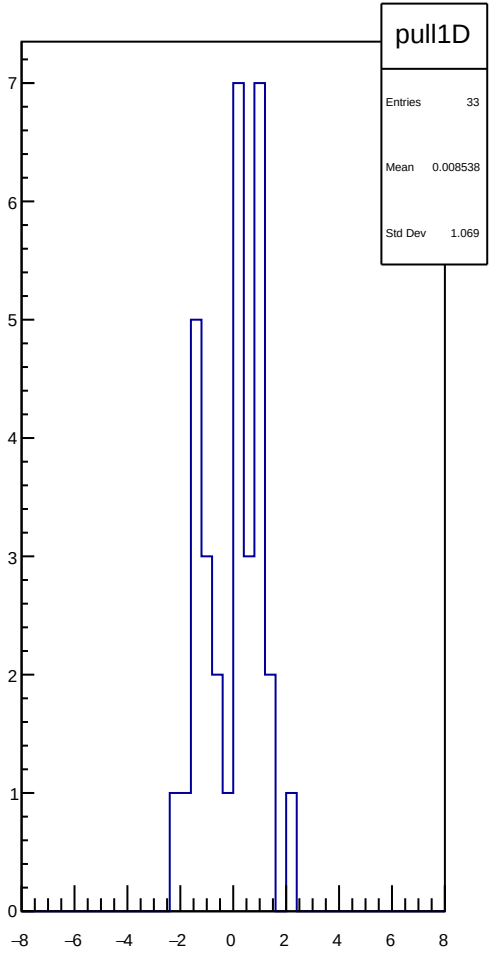

pull1D
Entries 33
Mean 0.03159
Std Dev 0.865
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

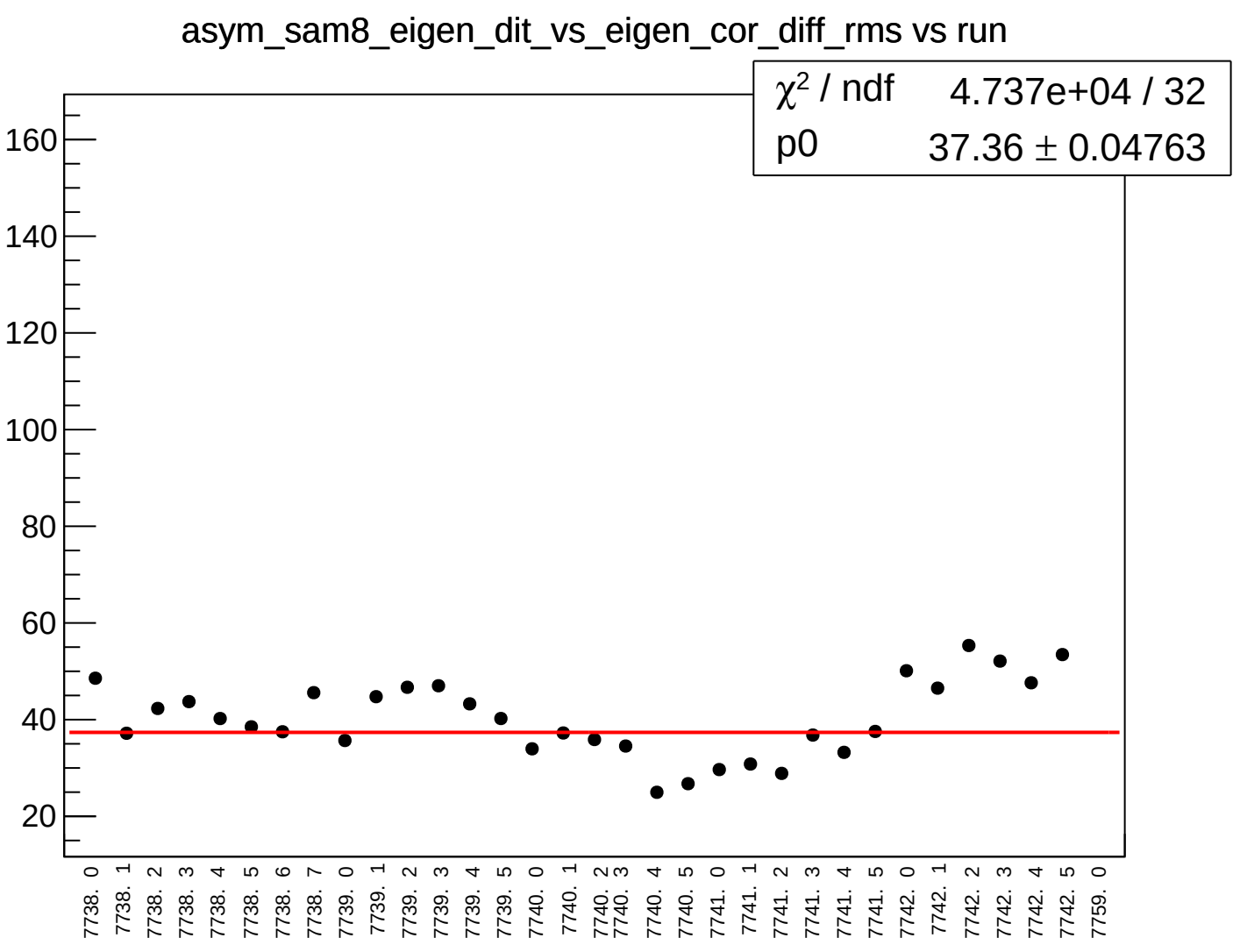

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4118 / 32
p0 0.00219 ± 2.698e–06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

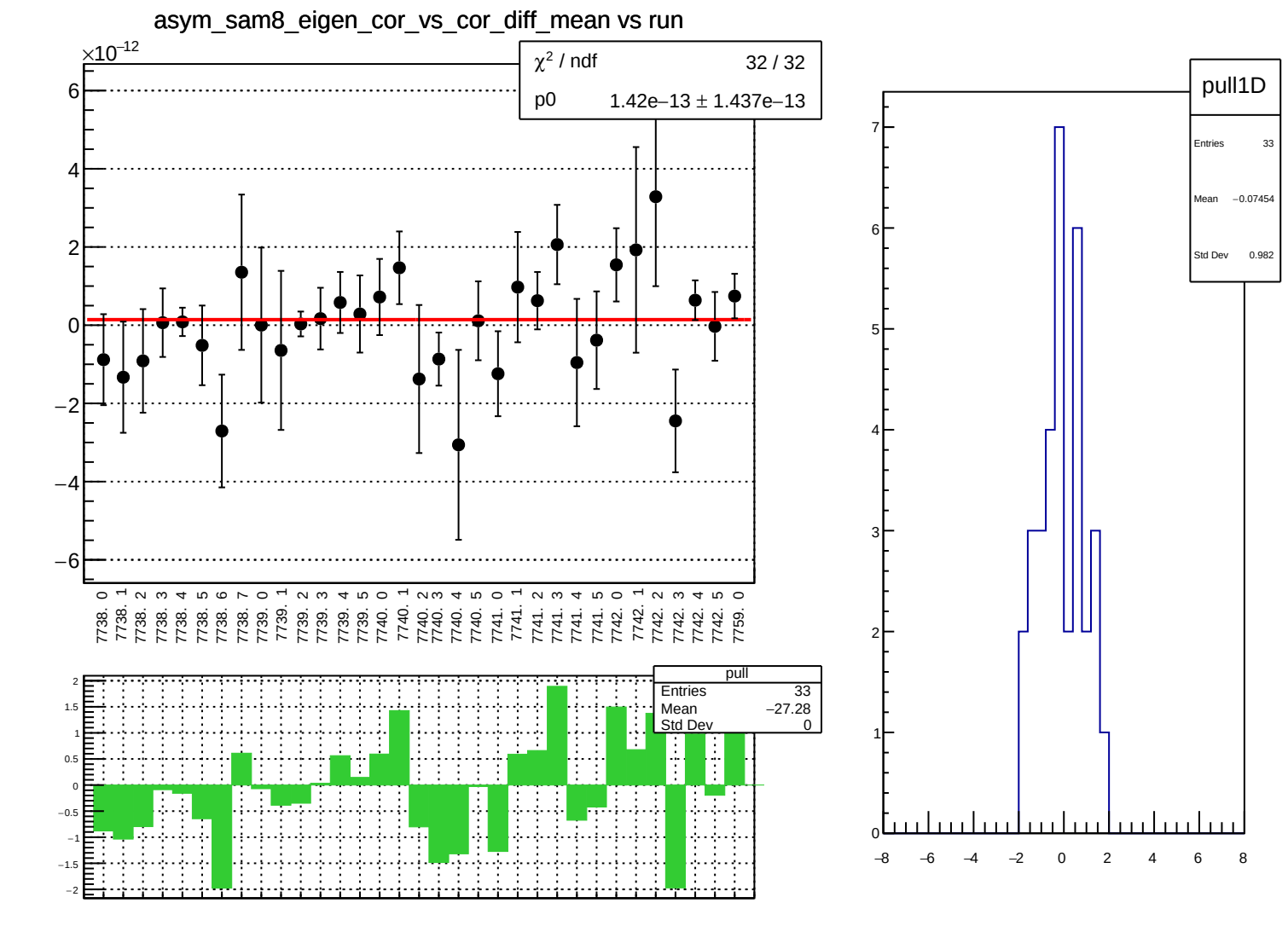

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.72 / 32
p0 −0.0223 ± 0.06735
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −220.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.008538
Std Dev 1.069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

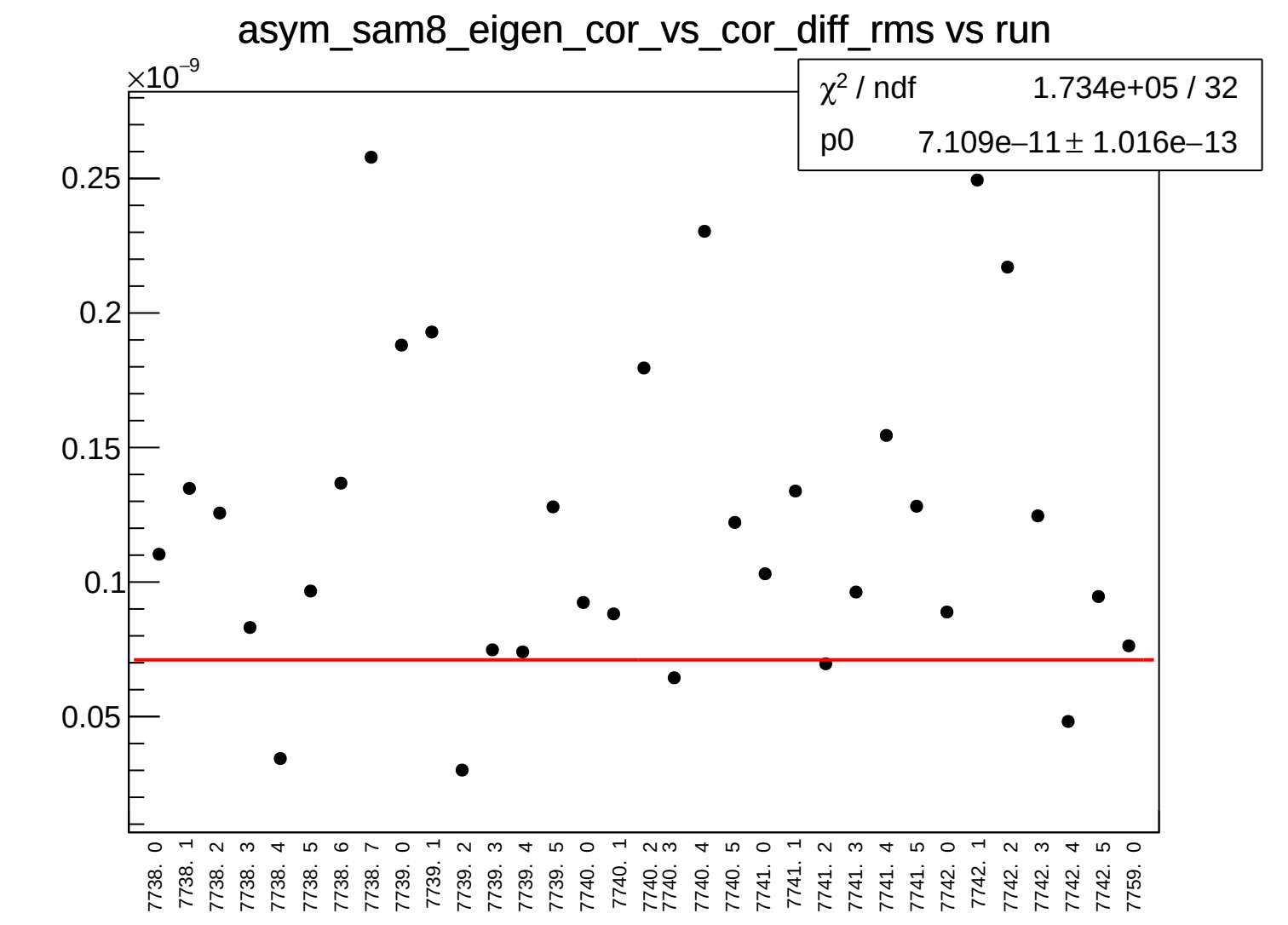

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.737e+04 / 32
p0 37.36 ± 0.04763
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

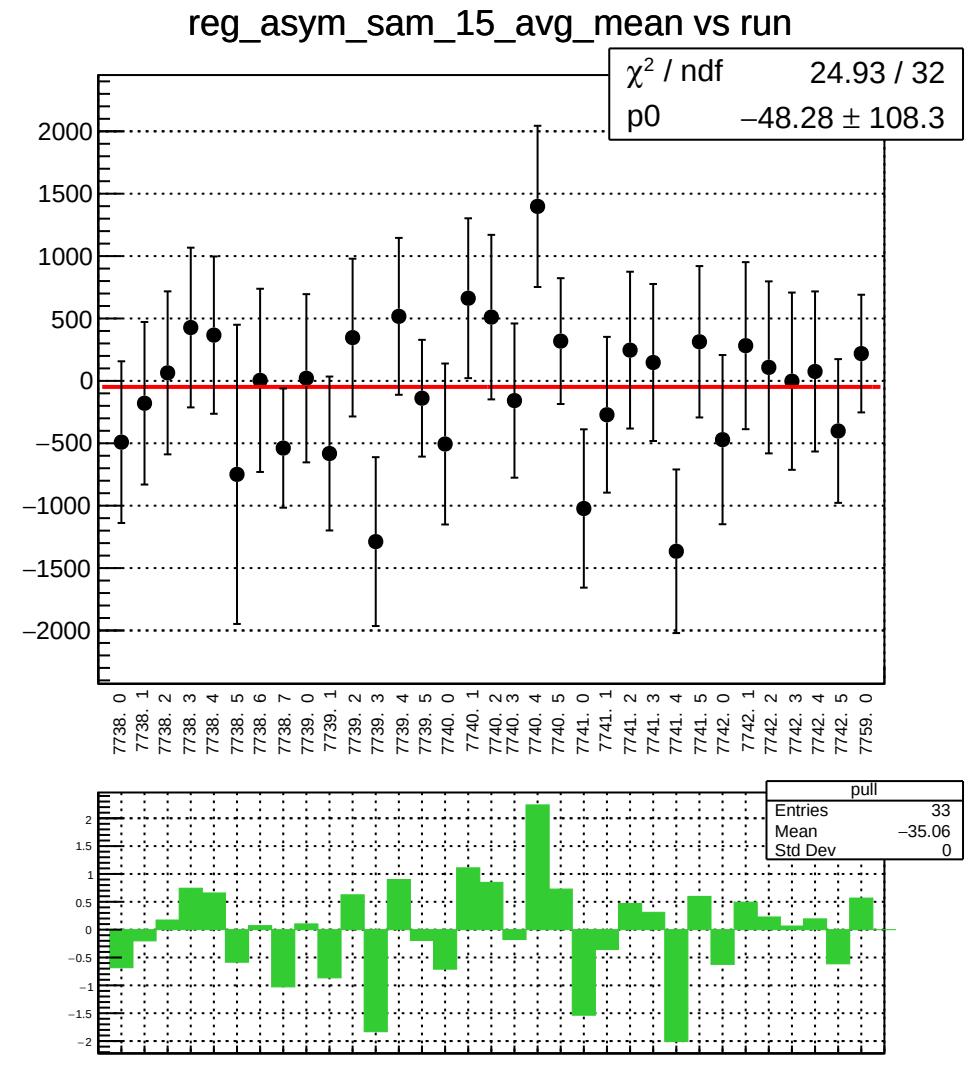

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.72 / 32
p0 −0.0223 ± 0.06735
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −220.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

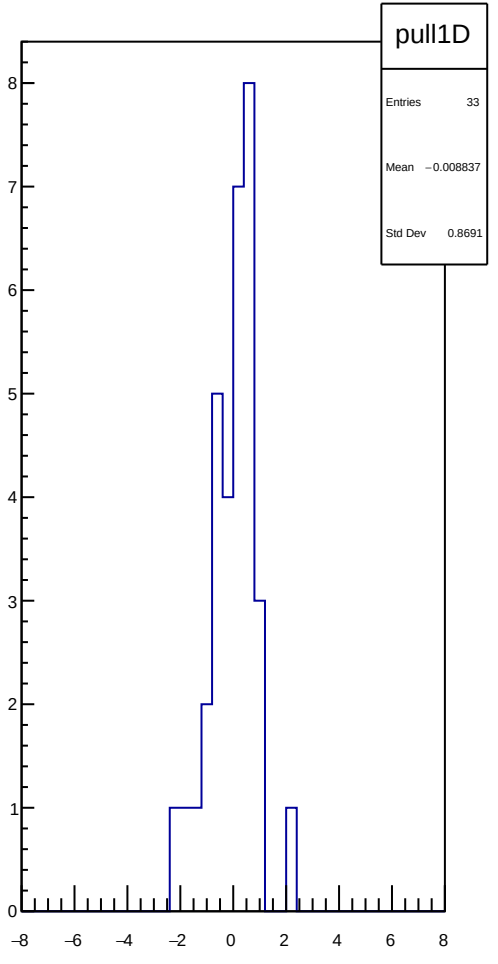

pull1D
Entries 33
Mean 0.008538
Std Dev 1.069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

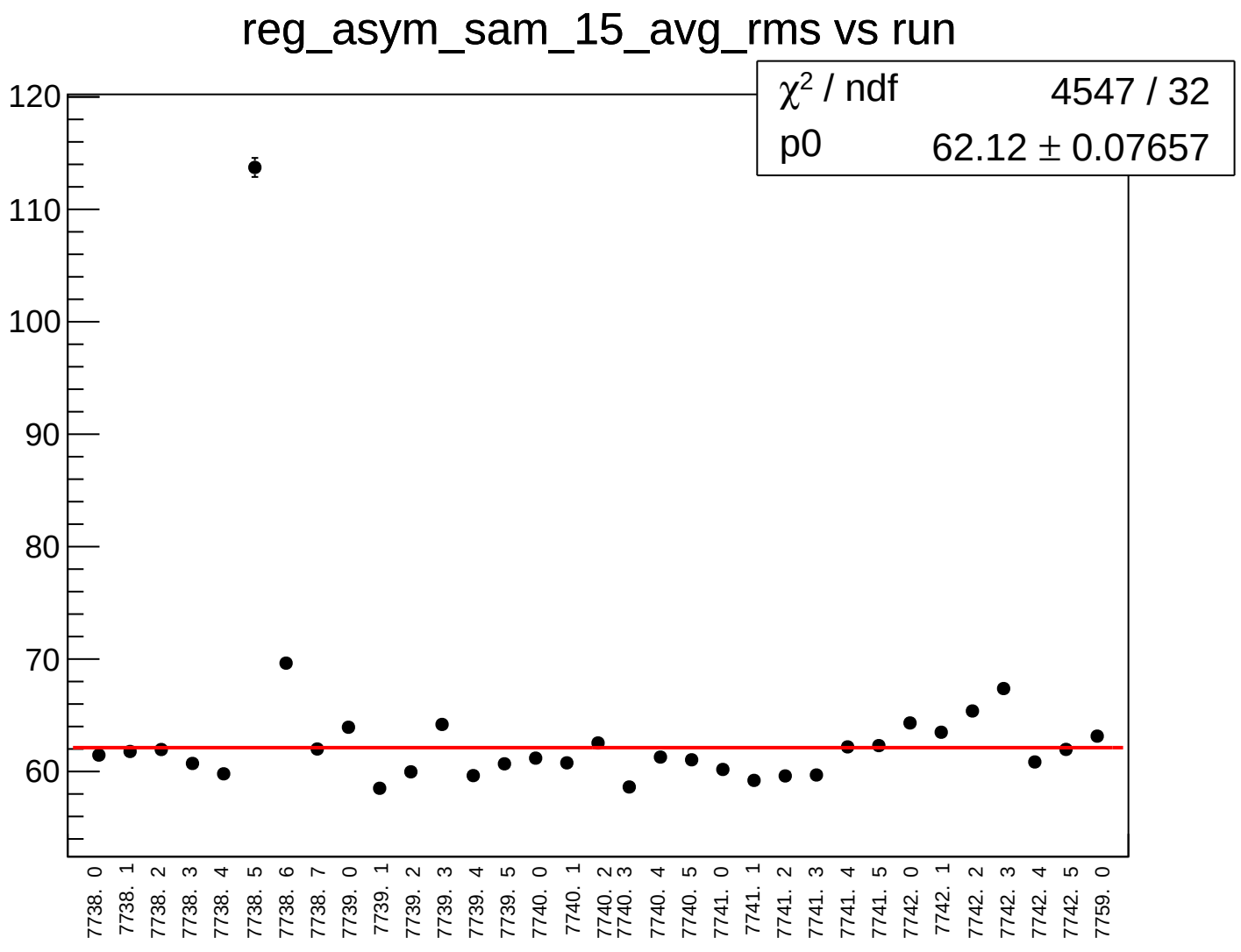

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.737e+04 / 32
p0 37.36 ± 0.04763
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

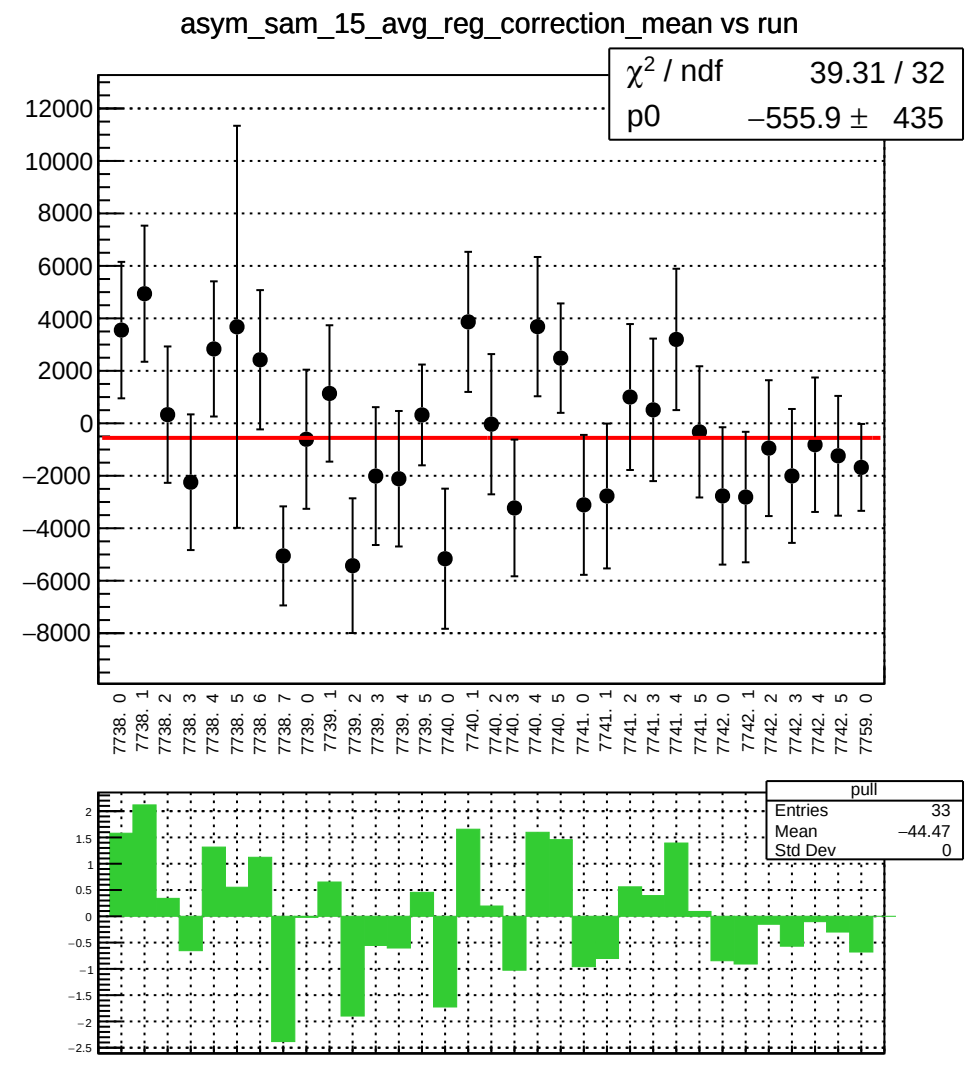

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 32 / 32
p0 1.42e−13 ± 1.437e−13
6
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.07454
Std Dev 0.982
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

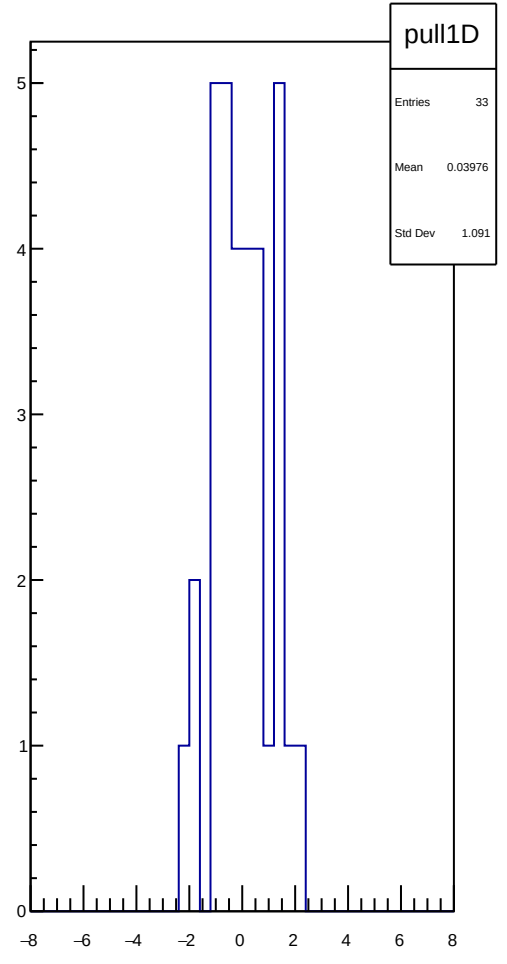

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.734e+05 / 32
p0 7.109e−11 ± 1.016e−13
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

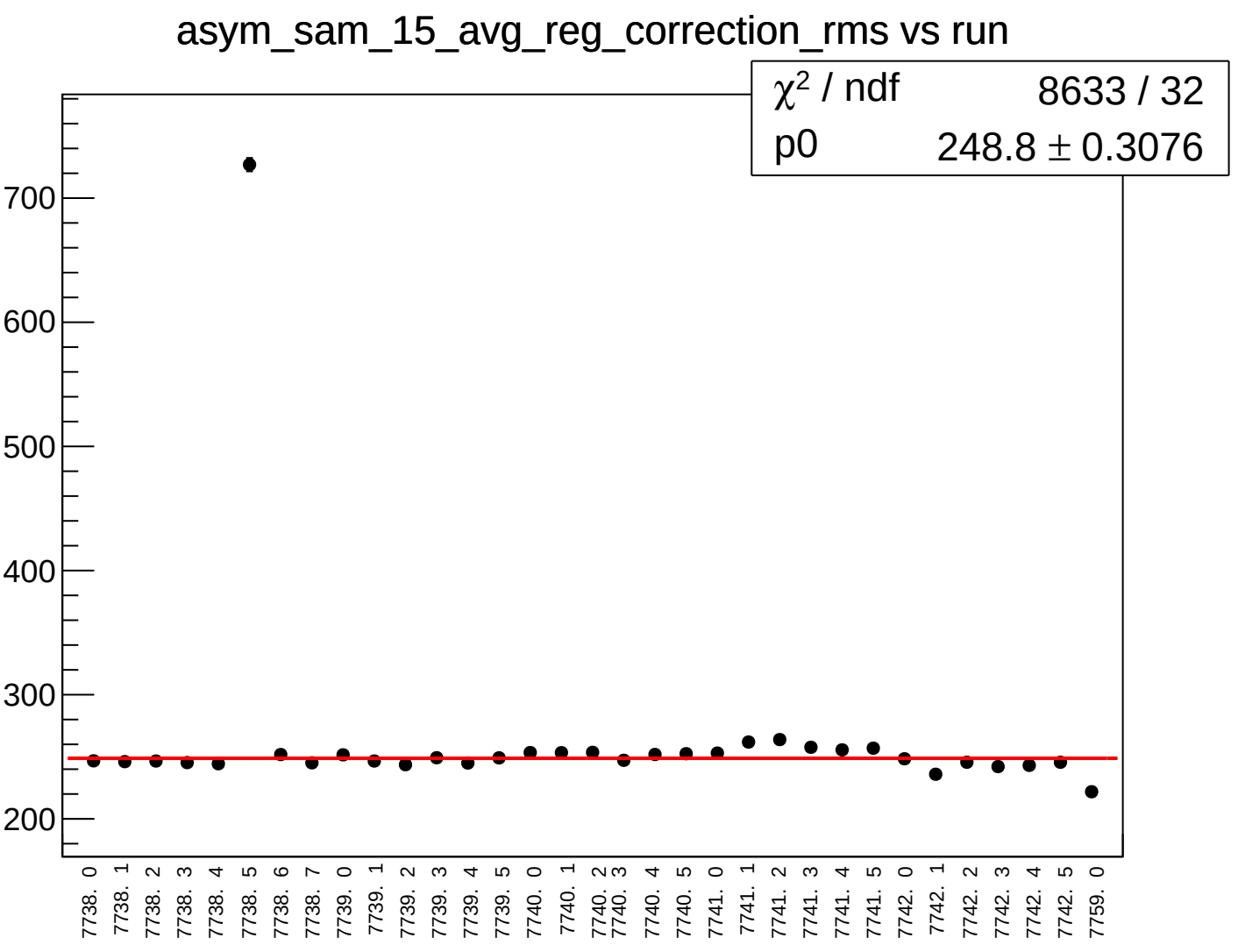

reg_asym_sam_15_avg_mean vs run
χ² / ndf 24.93 / 32
p0 −48.28 ± 108.3
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −35.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

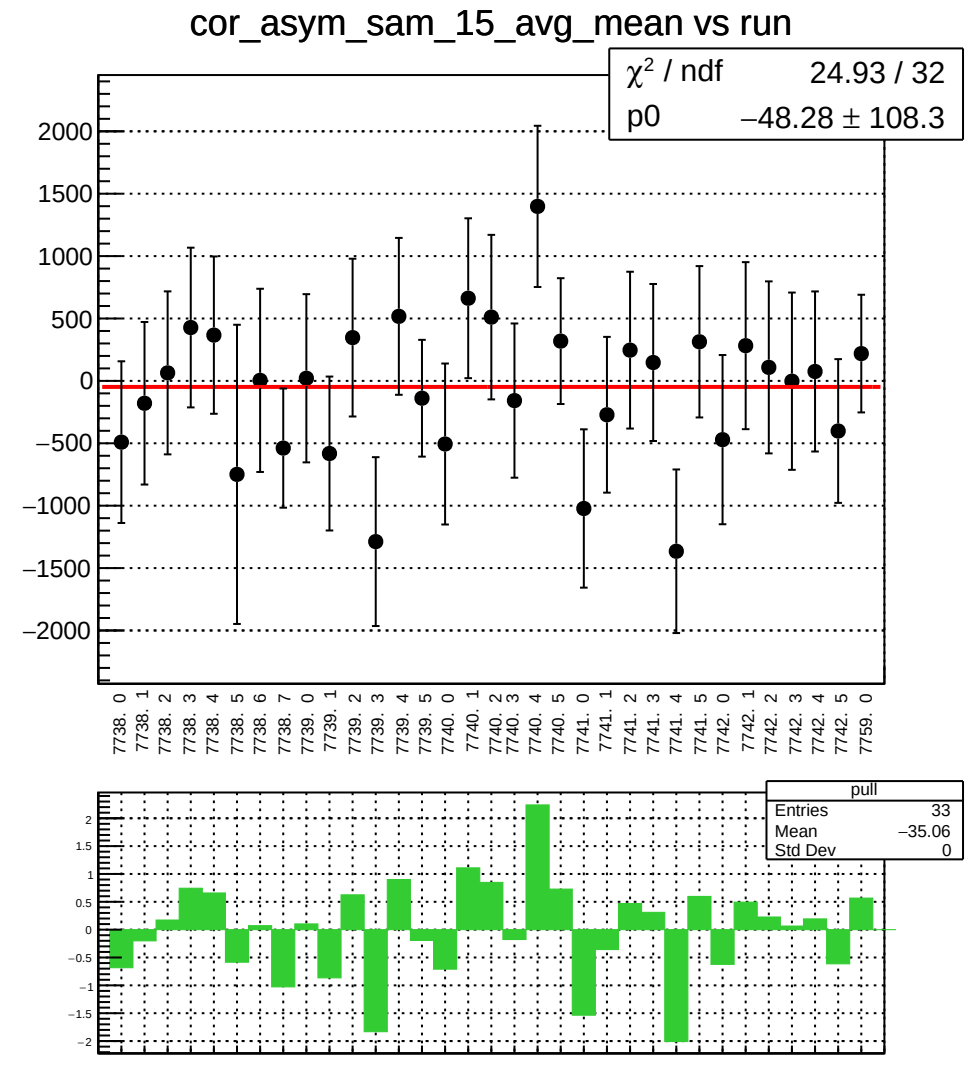

pull1D
Entries 33
Mean −0.008837
Std Dev 0.8691
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

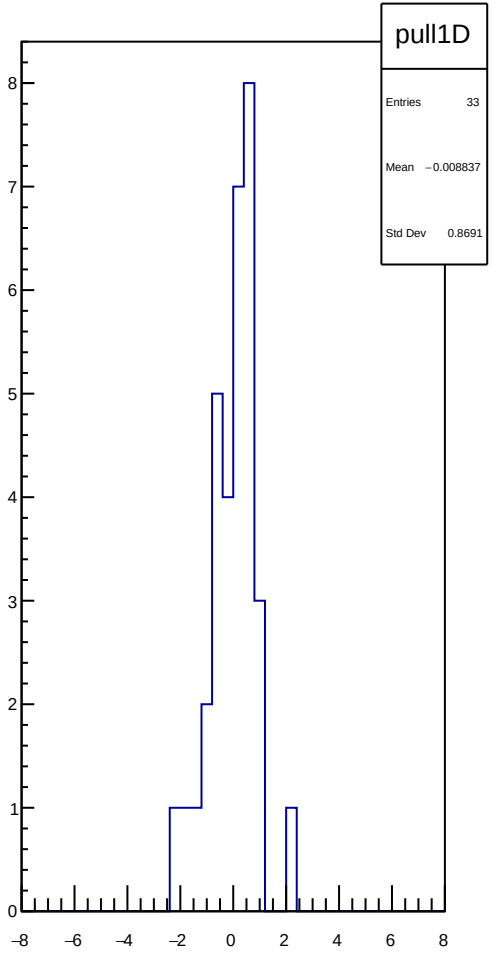

reg_asym_sam_15_avg_rms vs run
χ² / ndf 4547 / 32
p0 62.12 ± 0.07657
120
110
100
90
80
70
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

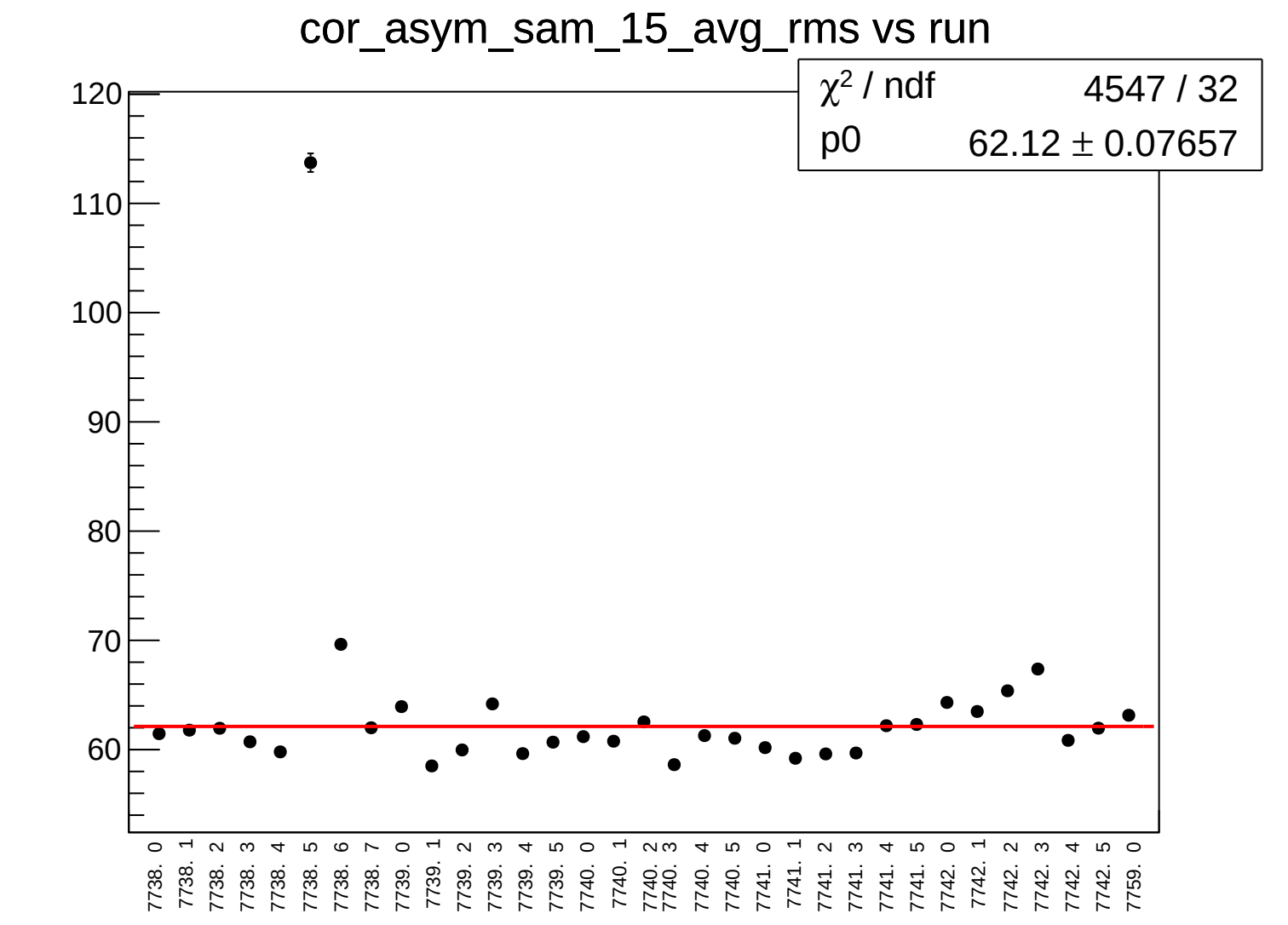

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 39.31 / 32
p0 −555.9 ± 435
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

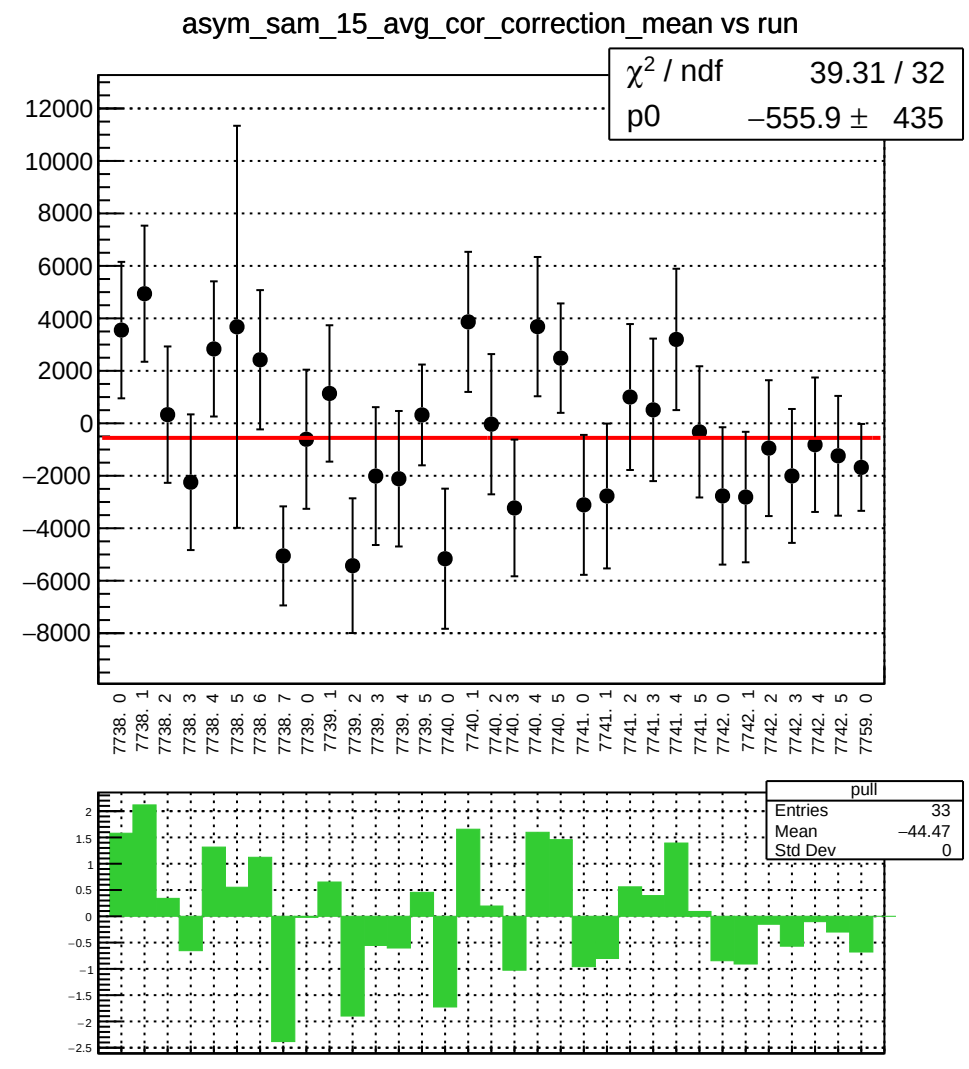

pull1D
Entries 33
Mean 0.03976
Std Dev 1.091
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

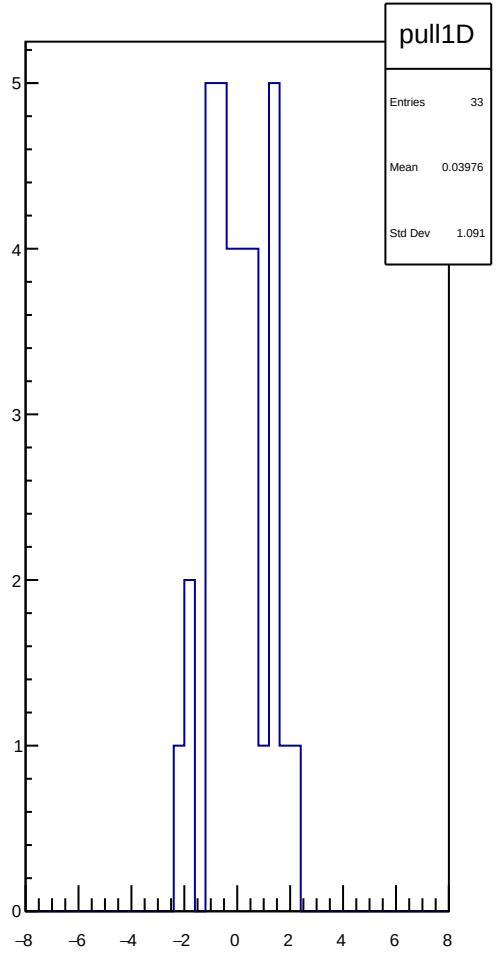

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 8633 / 32
p0 248.8 ± 0.3076
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

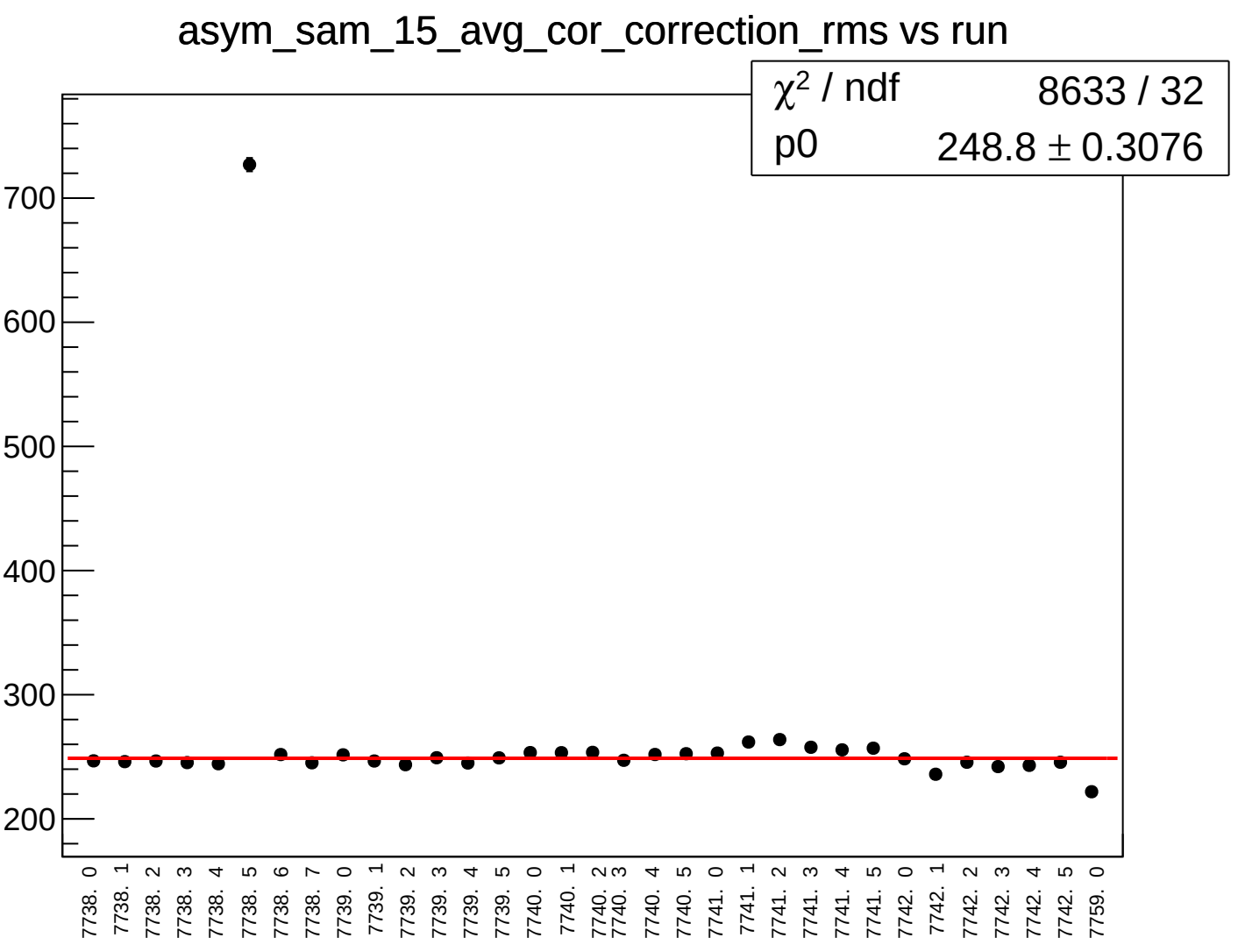

cor_asym_sam_15_avg_mean vs run
χ² / ndf 24.93 / 32
p0 −48.28 ± 108.3
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −35.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

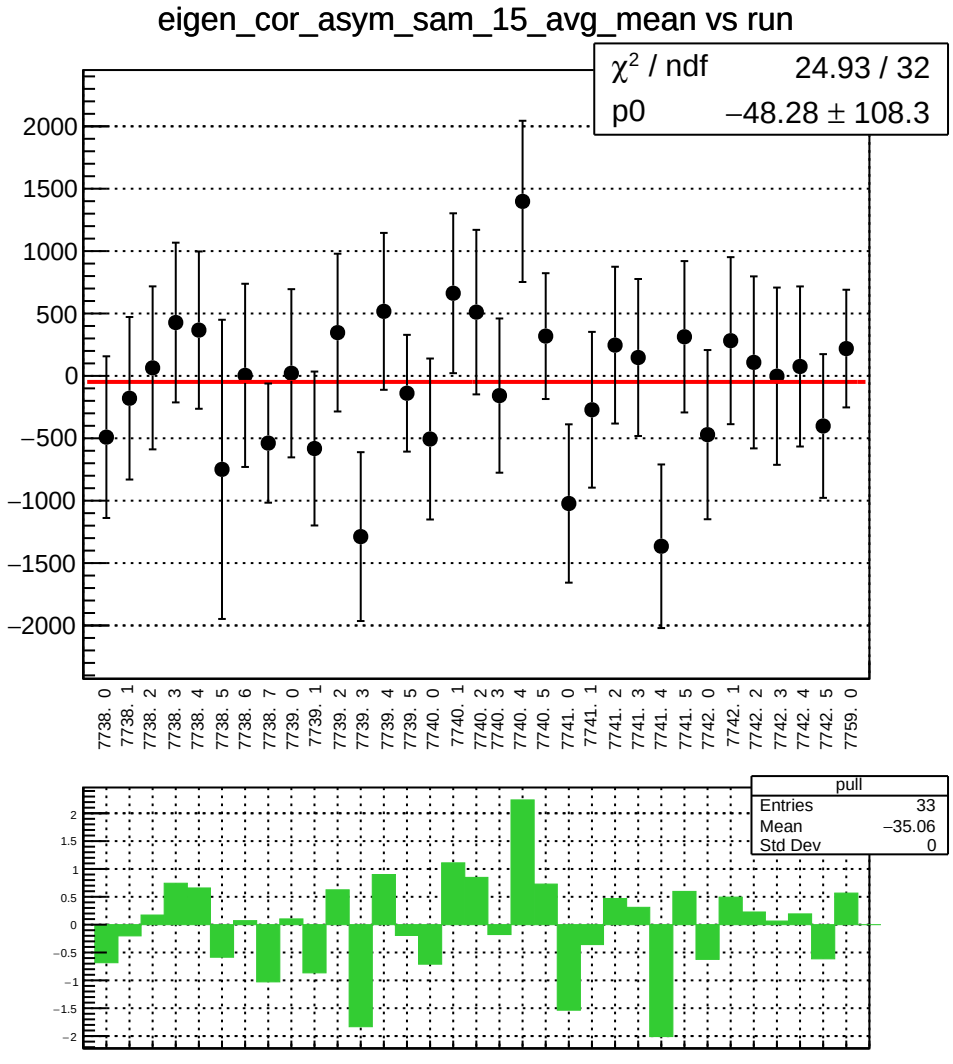

pull1D
Entries 33
Mean −0.008837
Std Dev 0.8691
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

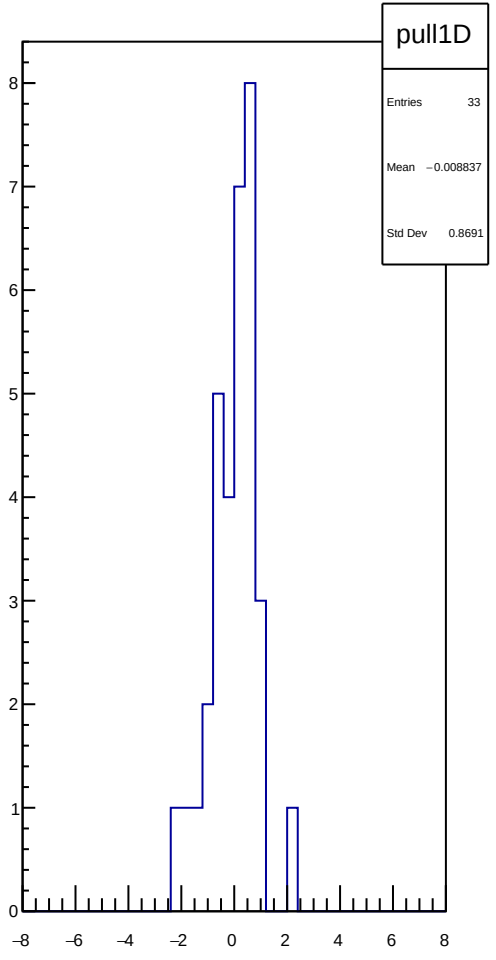

cor_asym_sam_15_avg_rms vs run
χ² / ndf 4547 / 32
p0 62.12 ± 0.07657
120
110
100
90
80
70
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

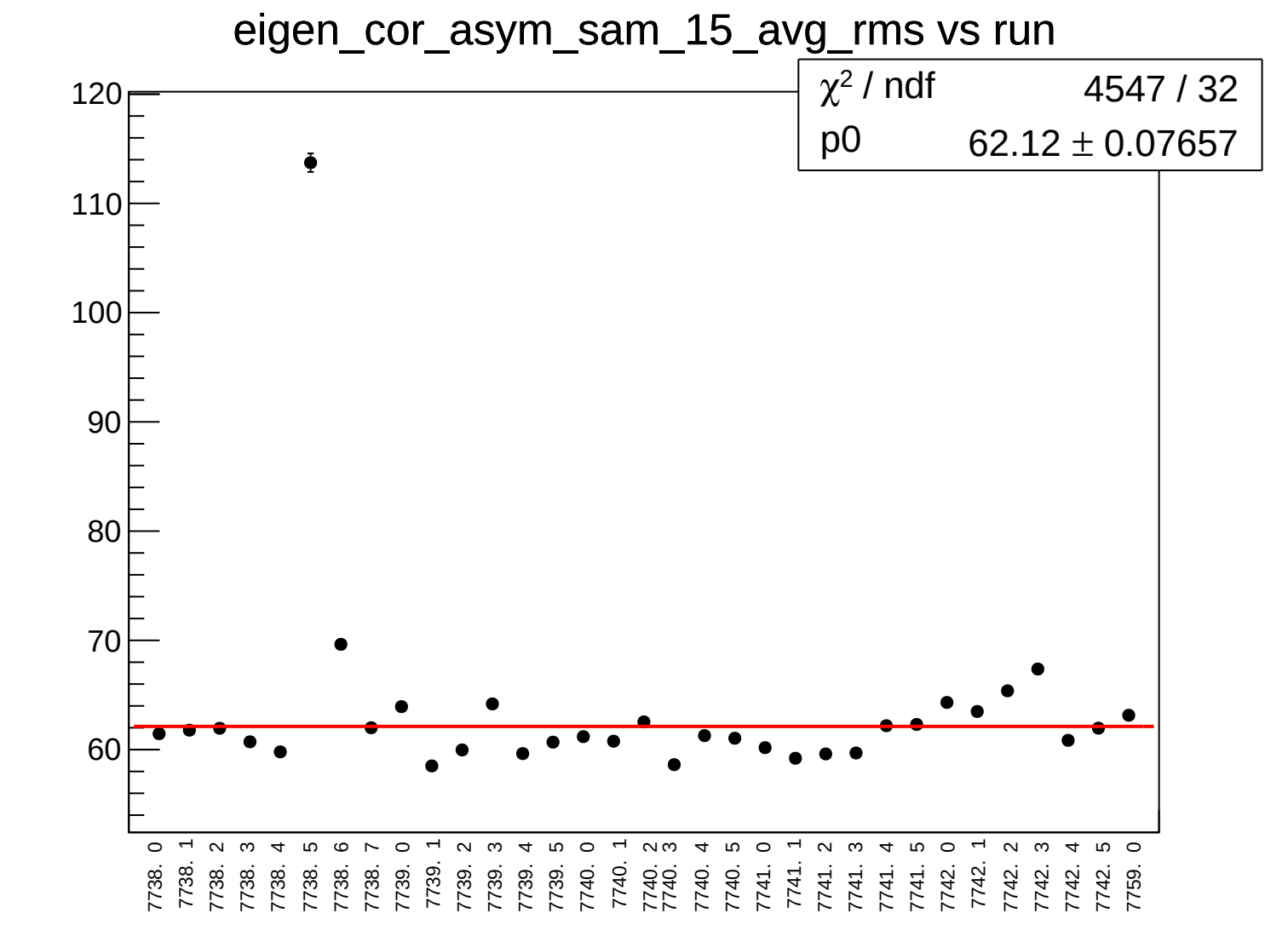

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 39.31 / 32
p0 −555.9 ± 435
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

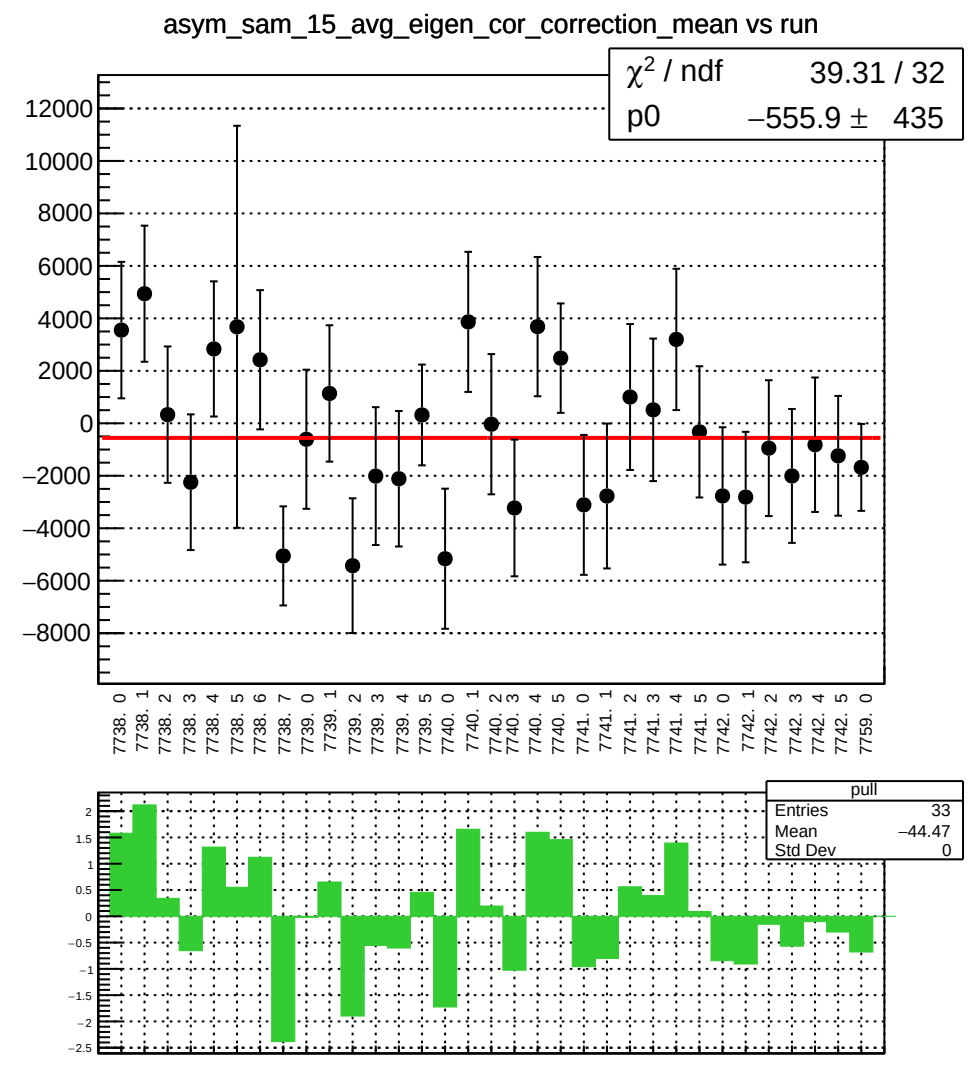

pull1D
Entries 33
Mean 0.03976
Std Dev 1.091
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

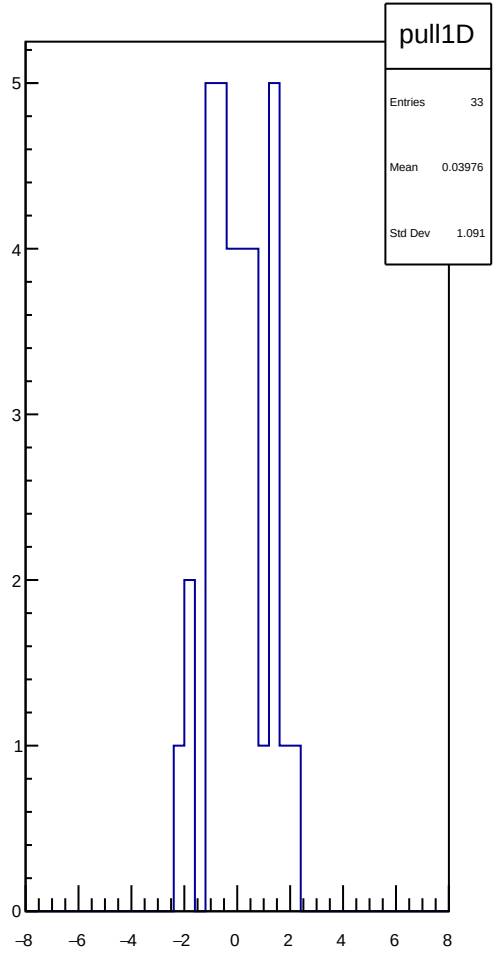

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 8633 / 32
p0 248.8 ± 0.3076
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

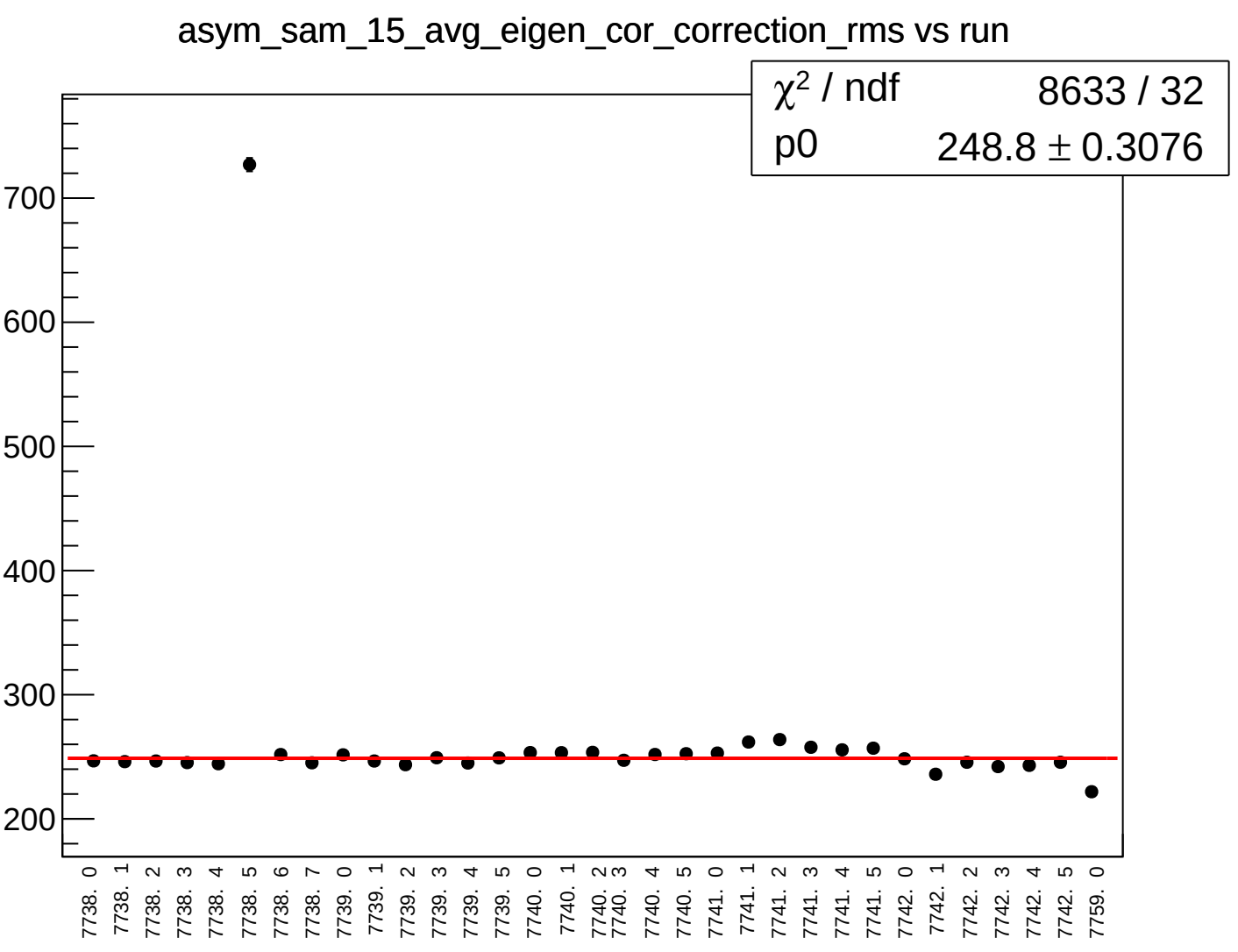

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 24.93 / 32
p0 −48.28 ± 108.3
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −35.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

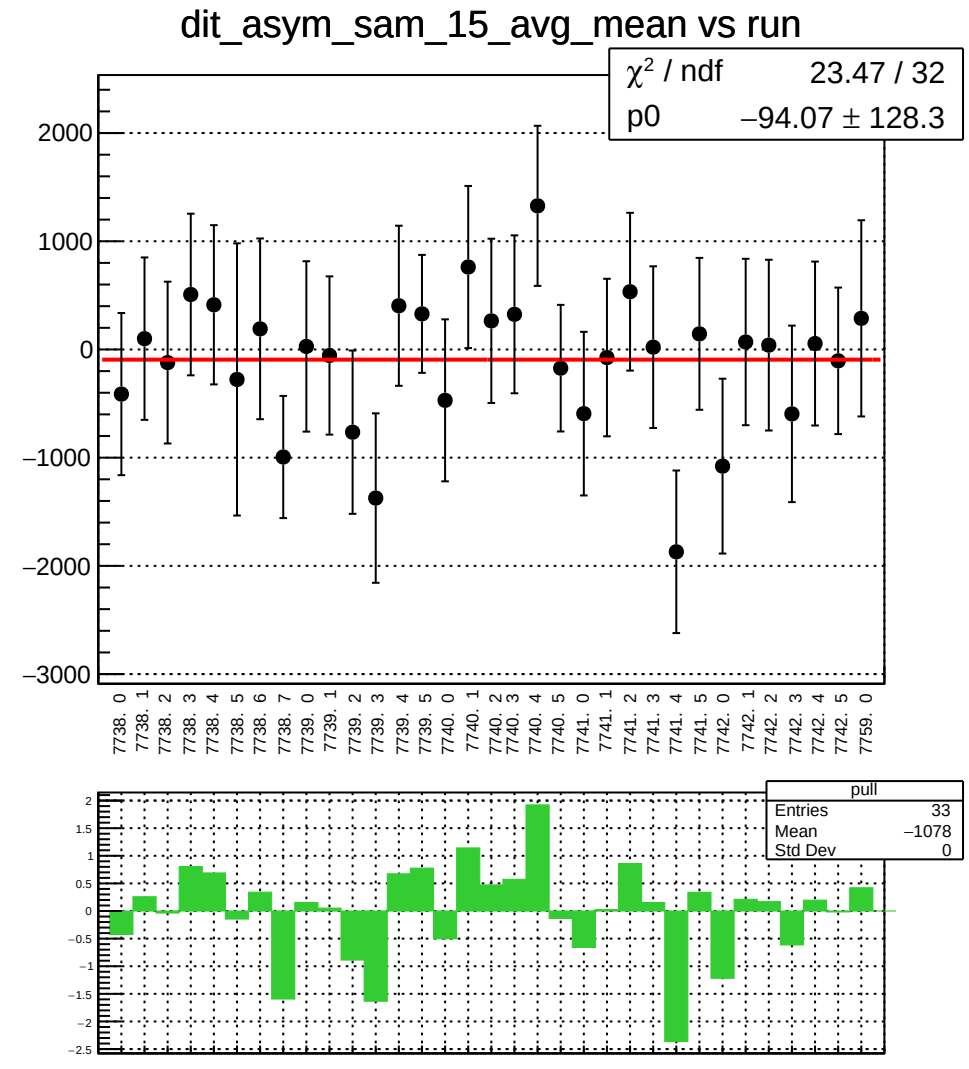

pull1D
Entries 33
Mean −0.008837
Std Dev 0.8691
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

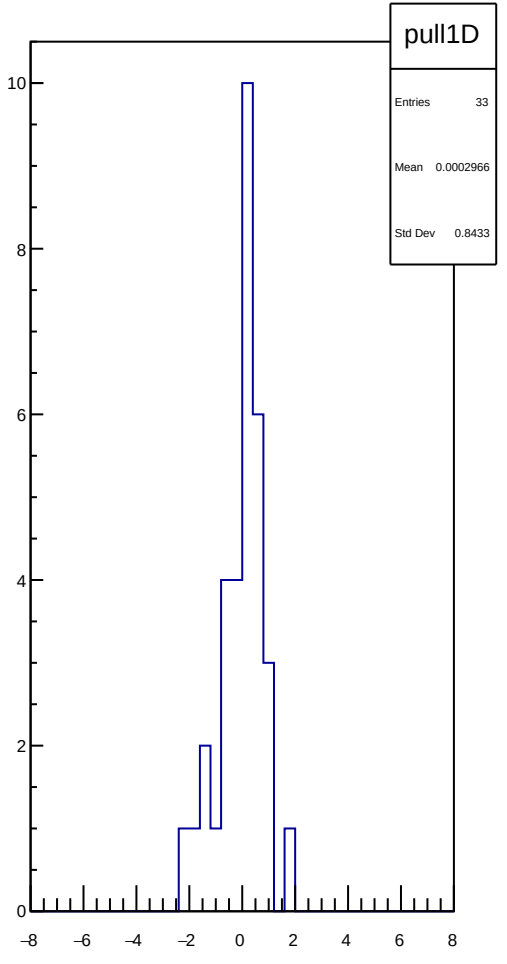

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 4547 / 32
p0 62.12 ± 0.07657
120
110
100
90
80
70
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

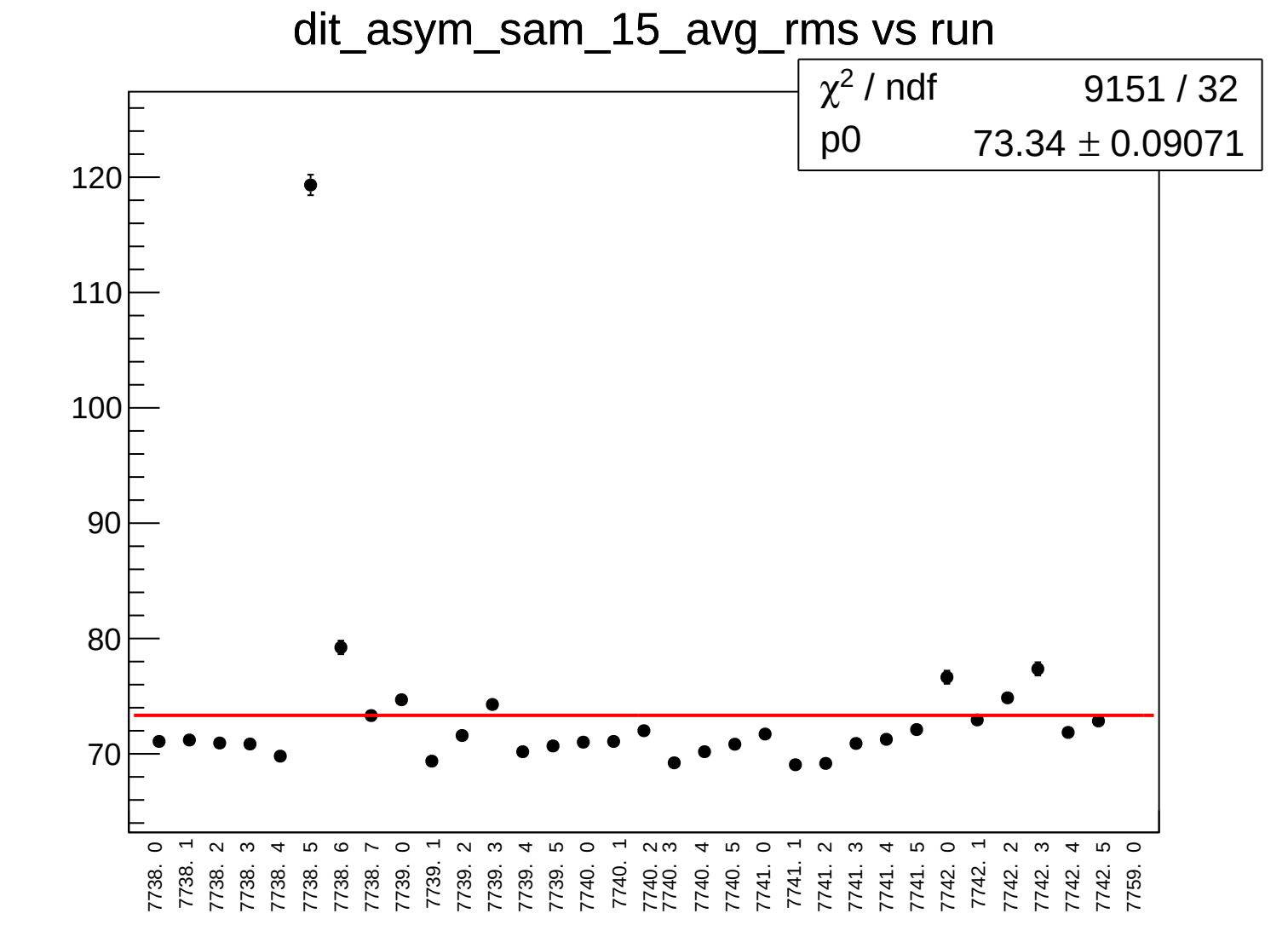

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 39.31 / 32
p0 −555.9 ± 435
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

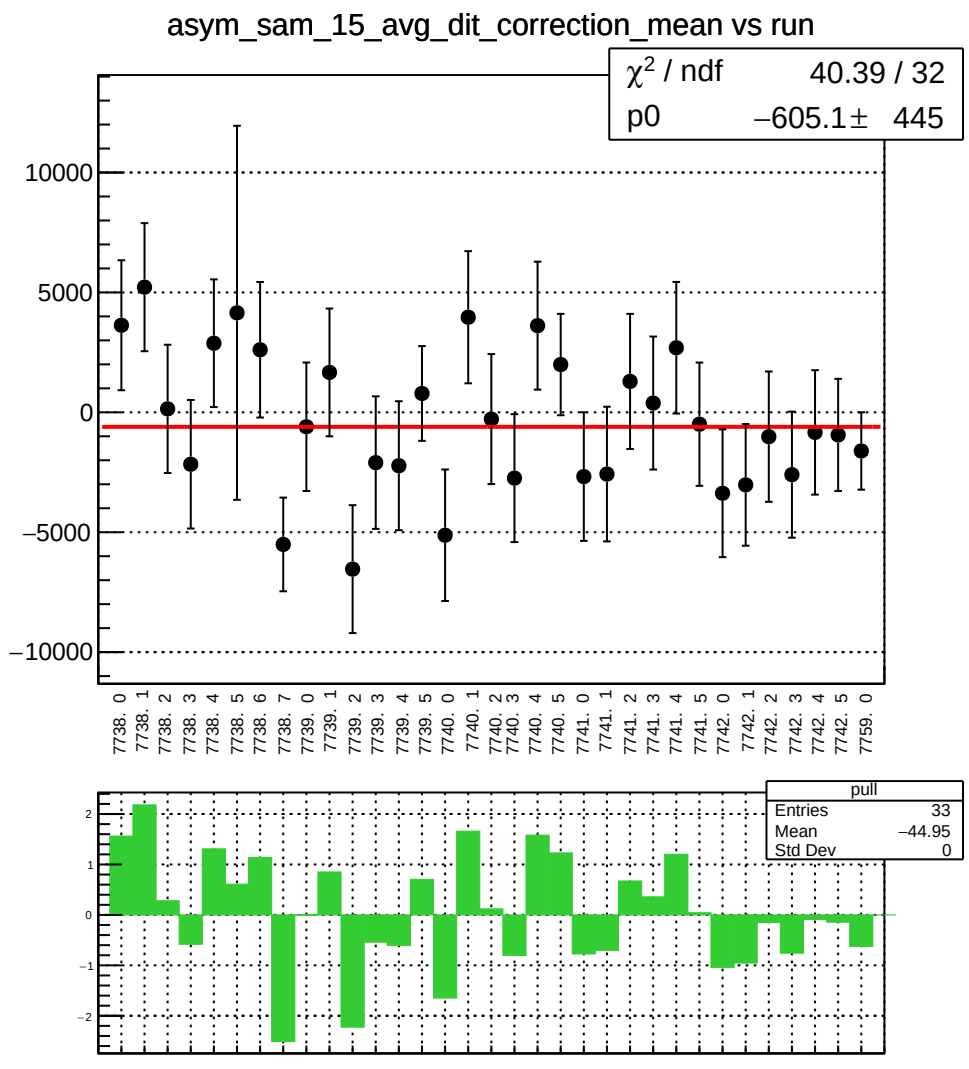

pull1D
Entries 33
Mean 0.03976
Std Dev 1.091
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

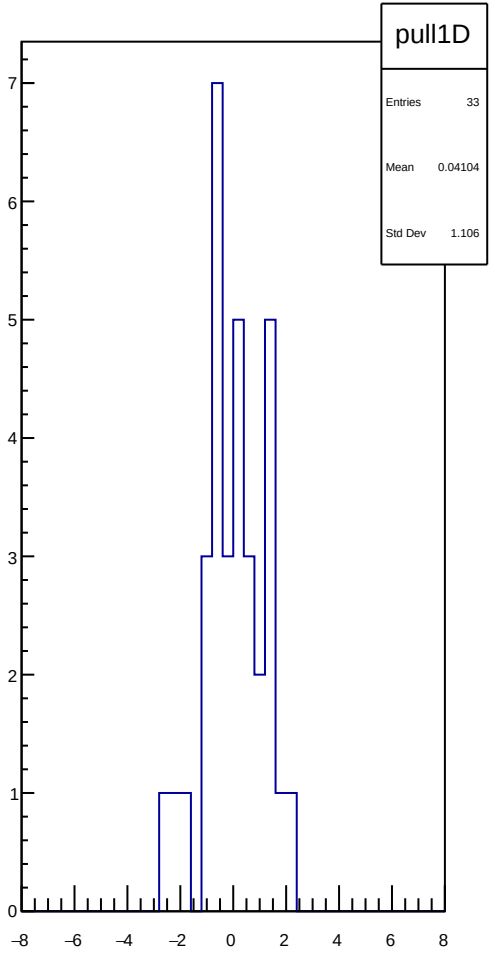

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 8633 / 32
p0 248.8 ± 0.3076
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

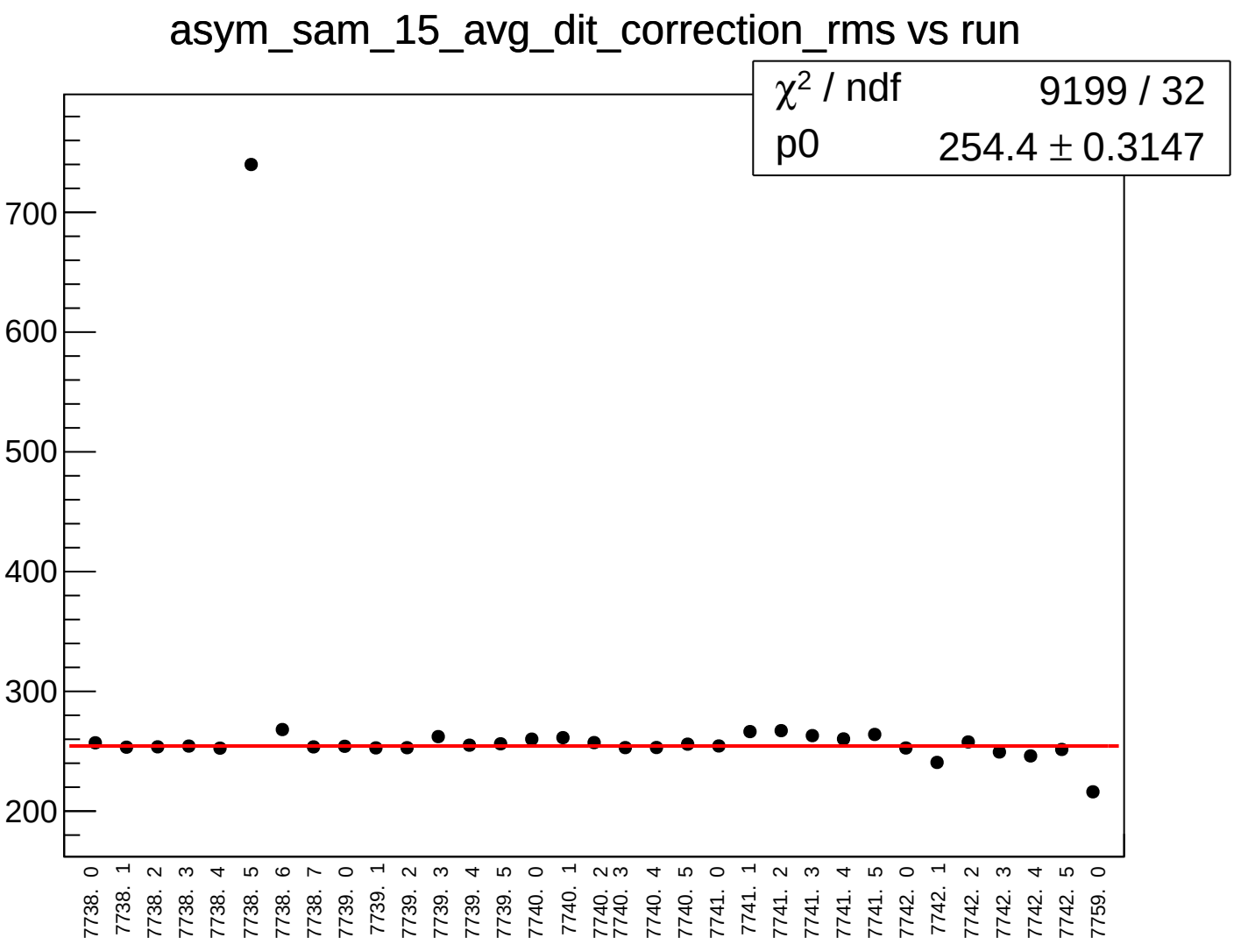

dit_asym_sam_15_avg_mean vs run
χ² / ndf 23.47 / 32
p0 −94.07 ± 128.3
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1078
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

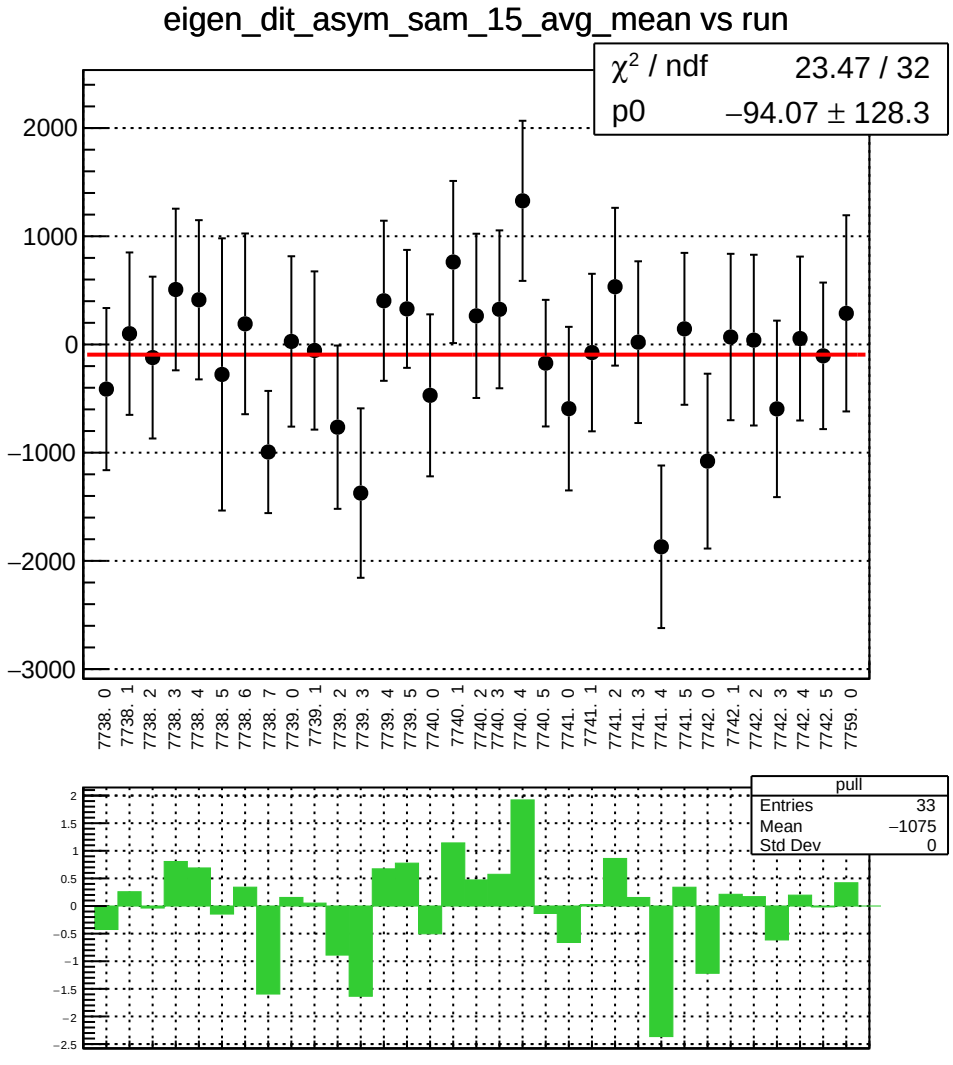

pull1D
Entries 33
Mean 0.0002966
Std Dev 0.8433
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

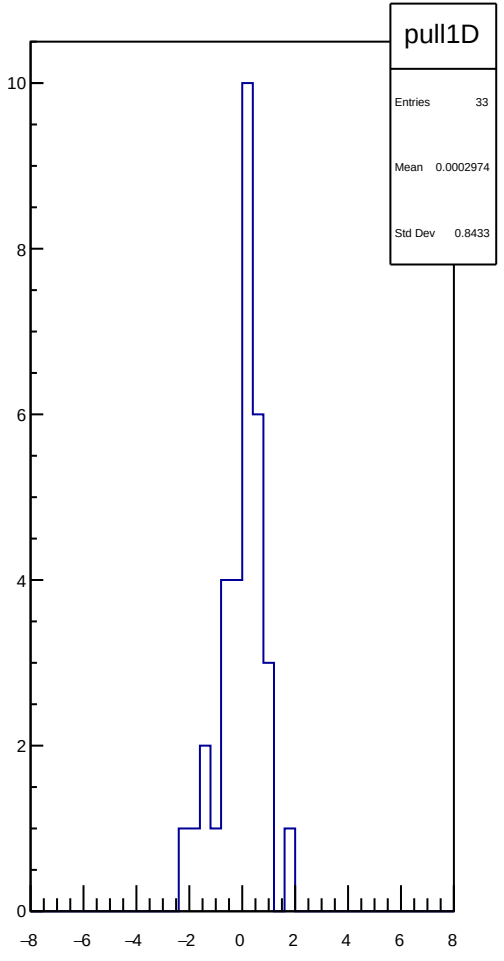

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 9151 / 32
p0 73.34 ± 0.09071
120
110
100
90
80
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

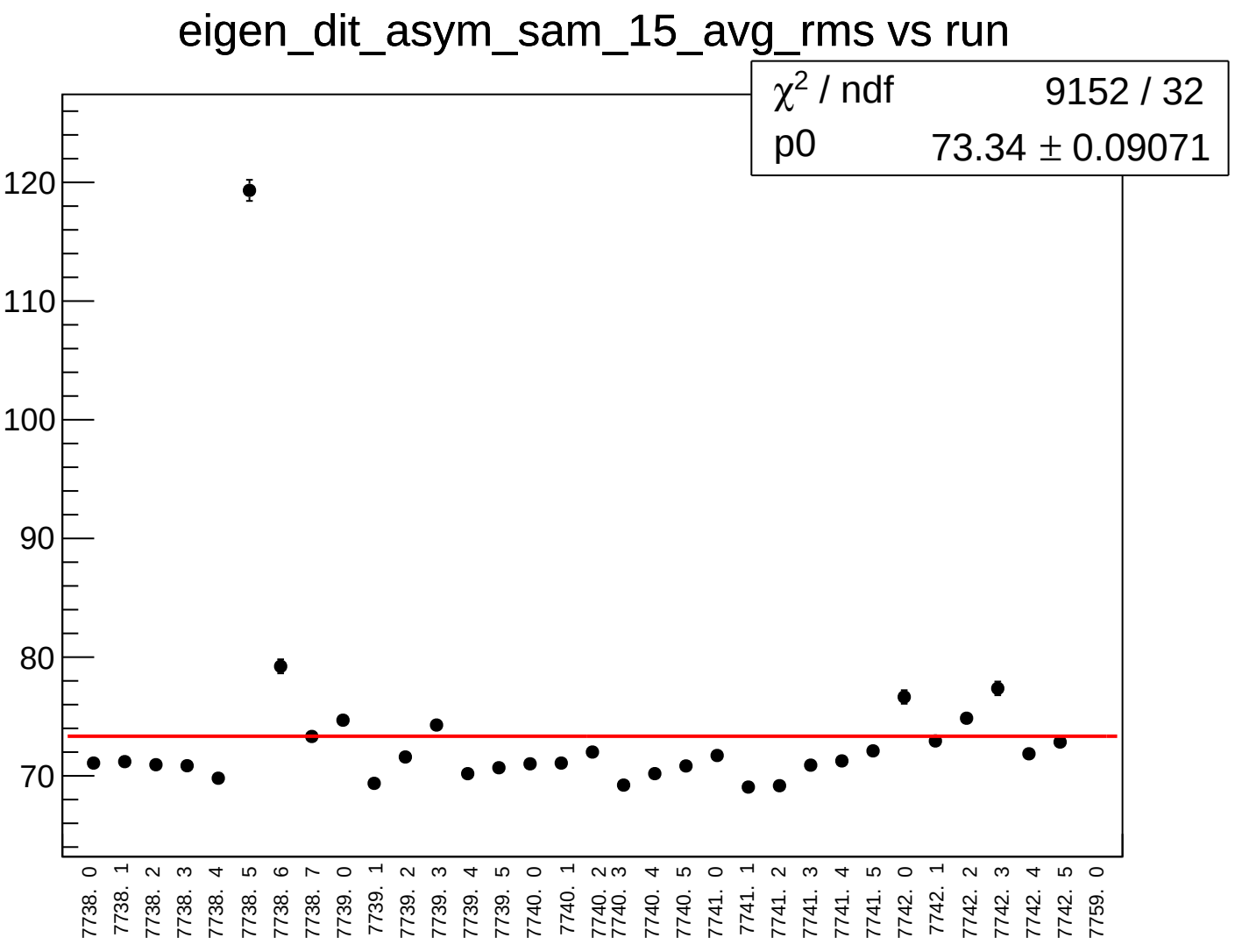

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 40.39 / 32
p0 −605.1± 445
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.95
Std Dev 0
2
1
0
−1
−2

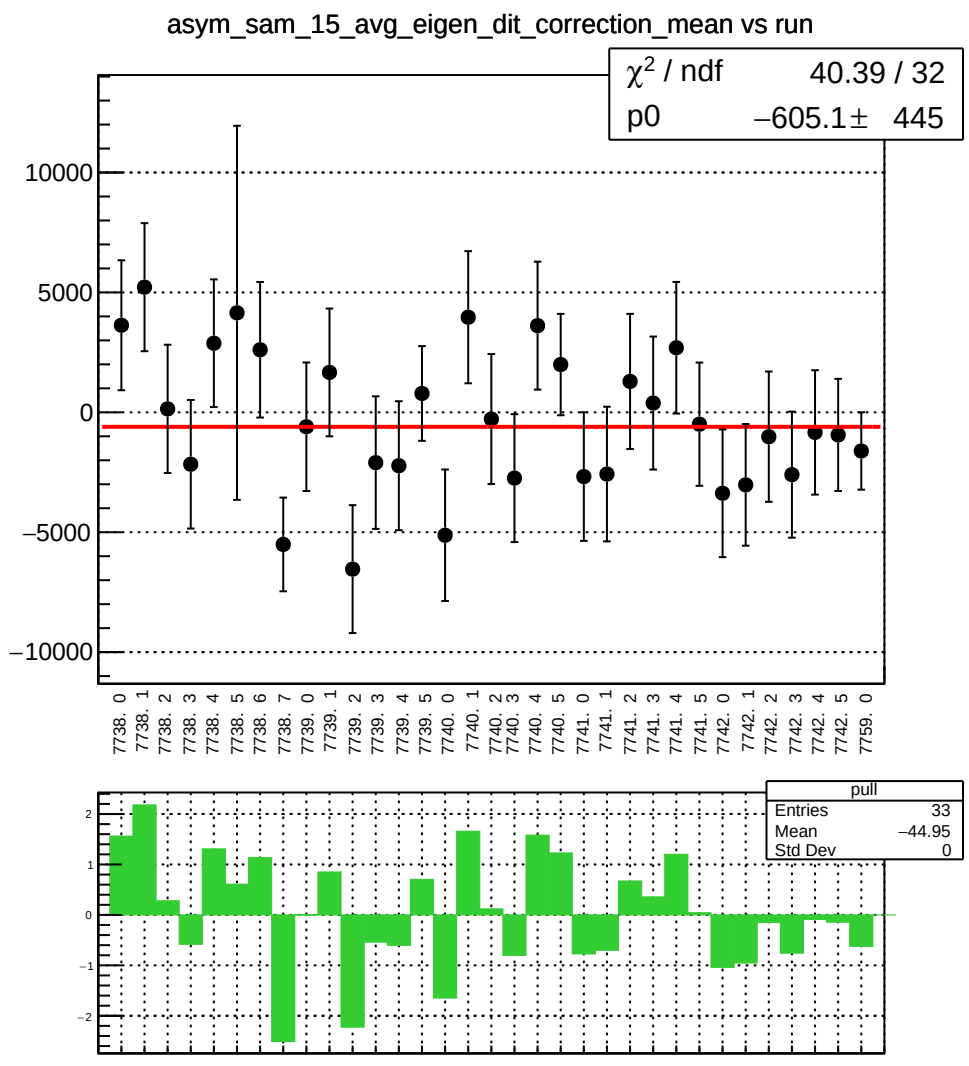

pull1D
Entries 33
Mean 0.04104
Std Dev 1.106
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

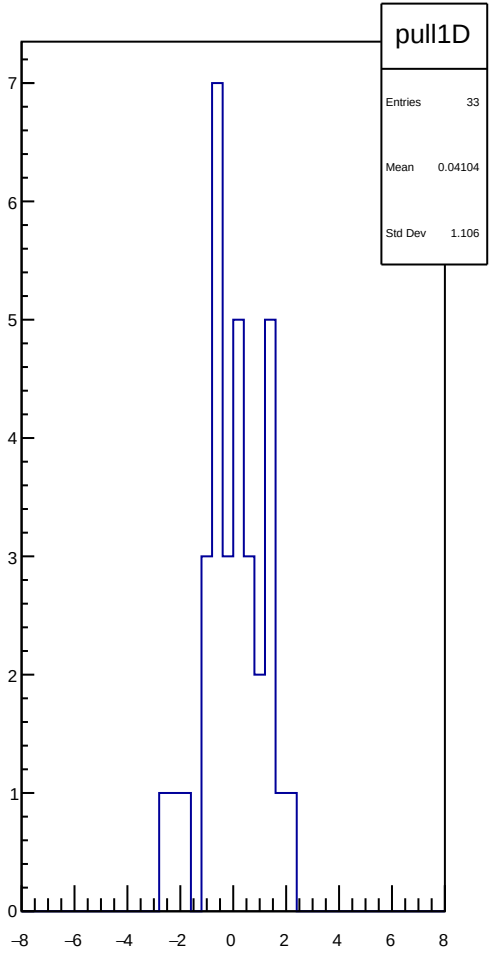

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 9199 / 32
p0 254.4 ± 0.3147
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

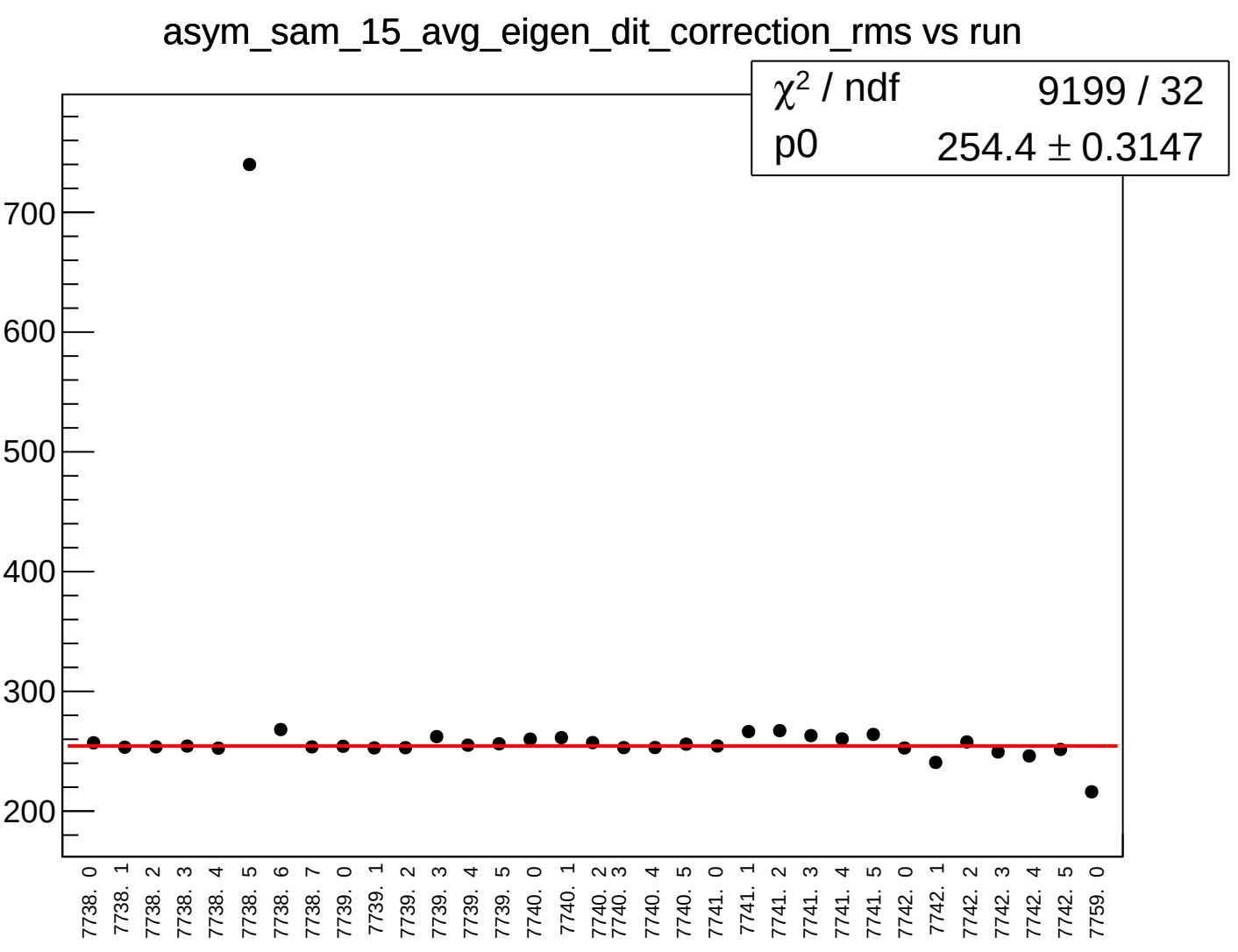

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 23.47 / 32
p0 −94.07 ± 128.3
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1075
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

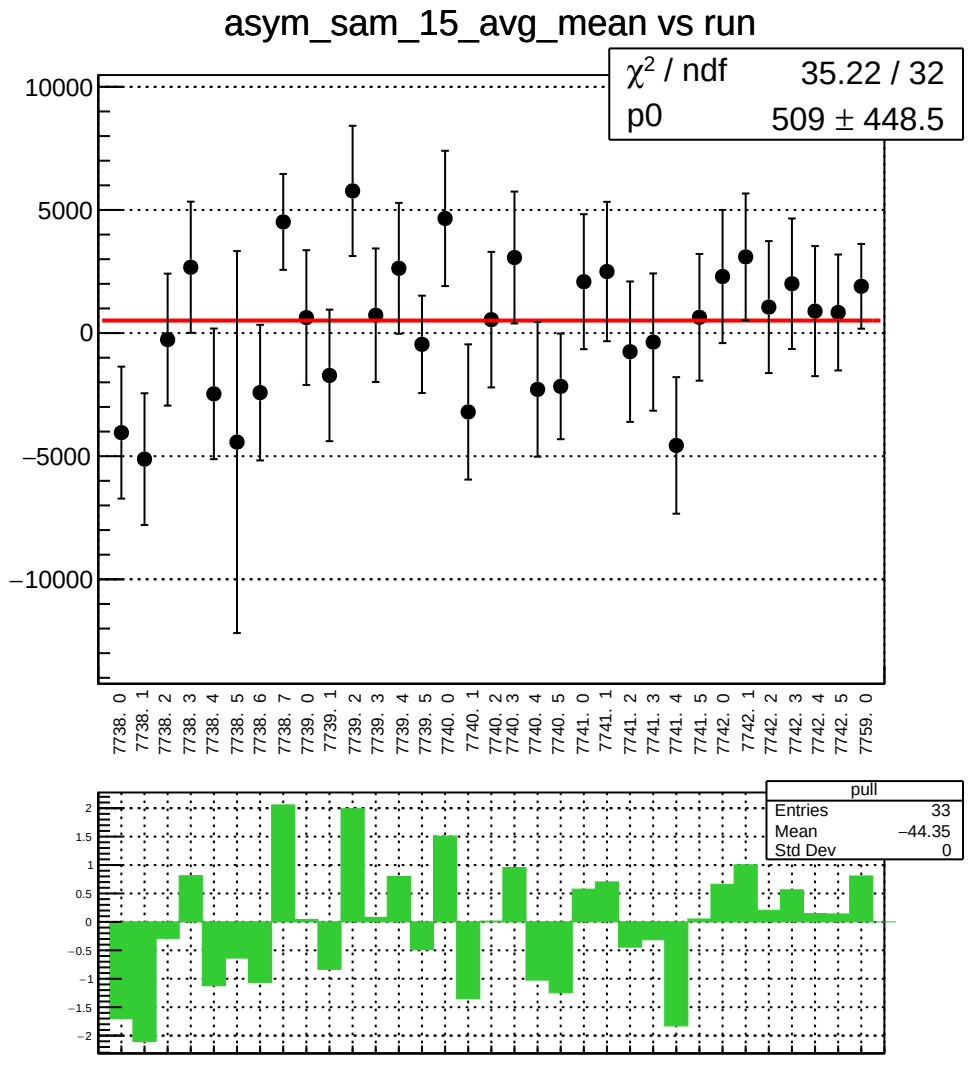

pull1D
Entries 33
Mean 0.0002974
Std Dev 0.8433
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

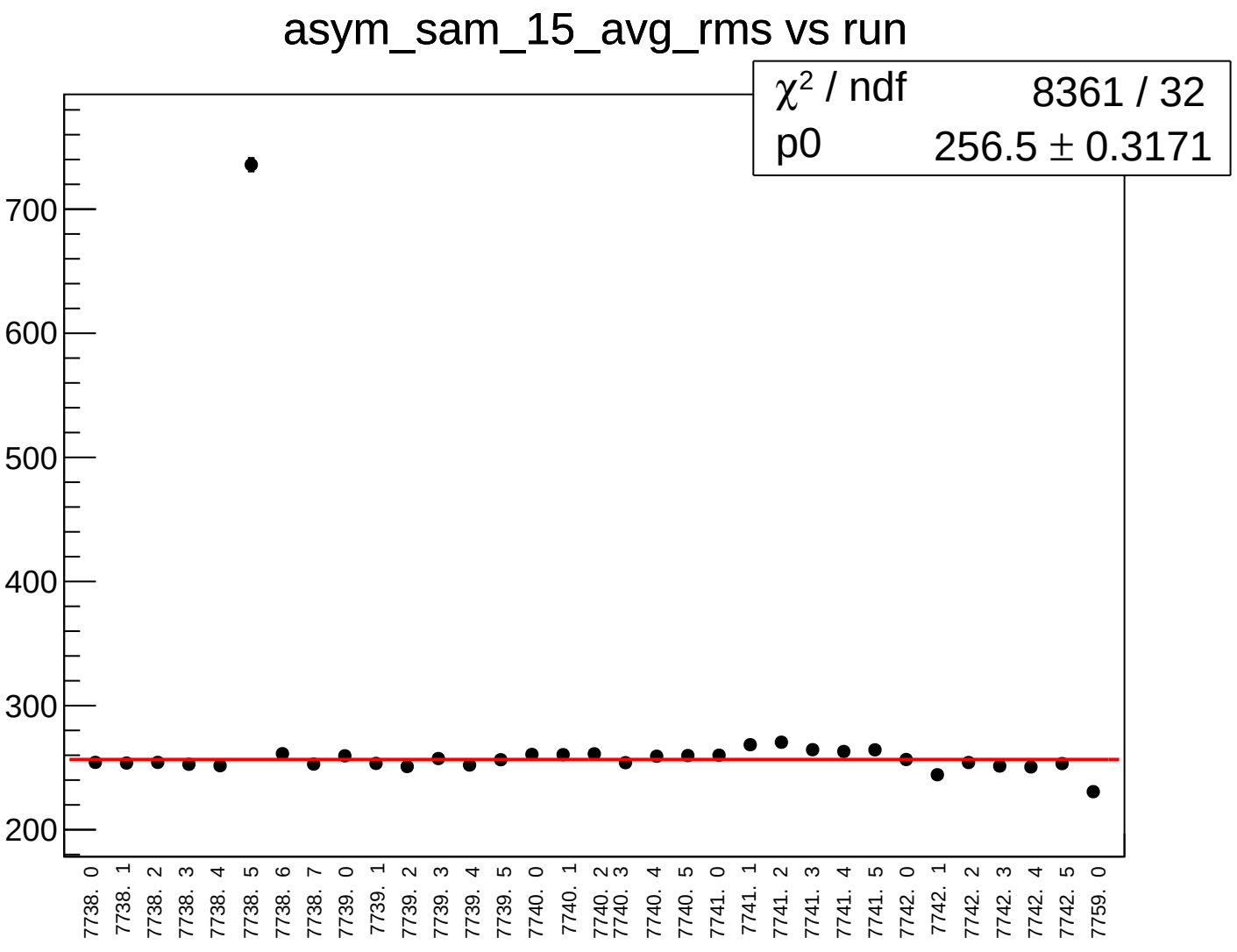

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 9152 / 32
p0 73.34 ± 0.09071
120
110
100
90
80
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

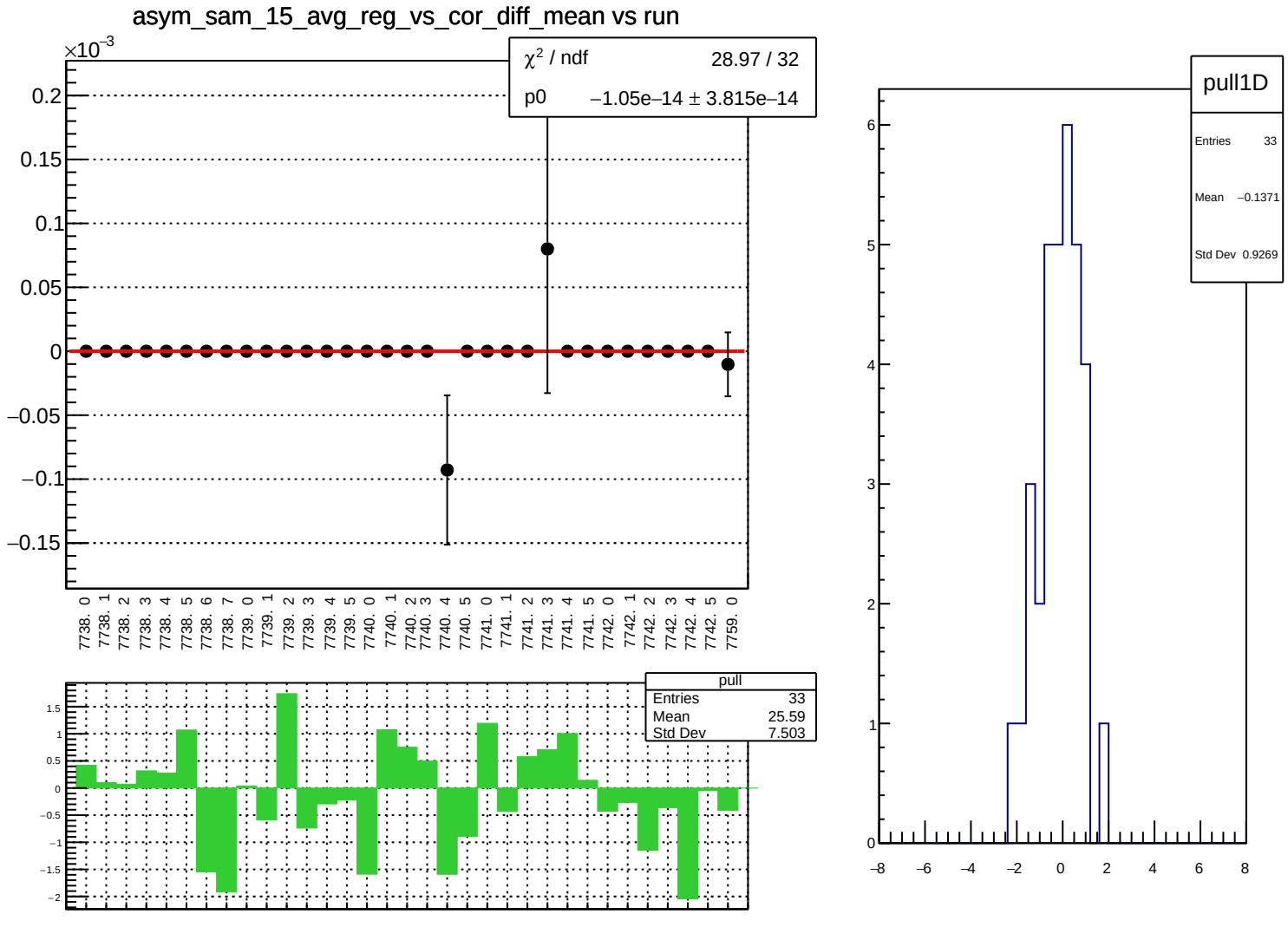

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 40.39 / 32
p0 −605.1± 445
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.95
Std Dev 0
2
1
0
−1
−2

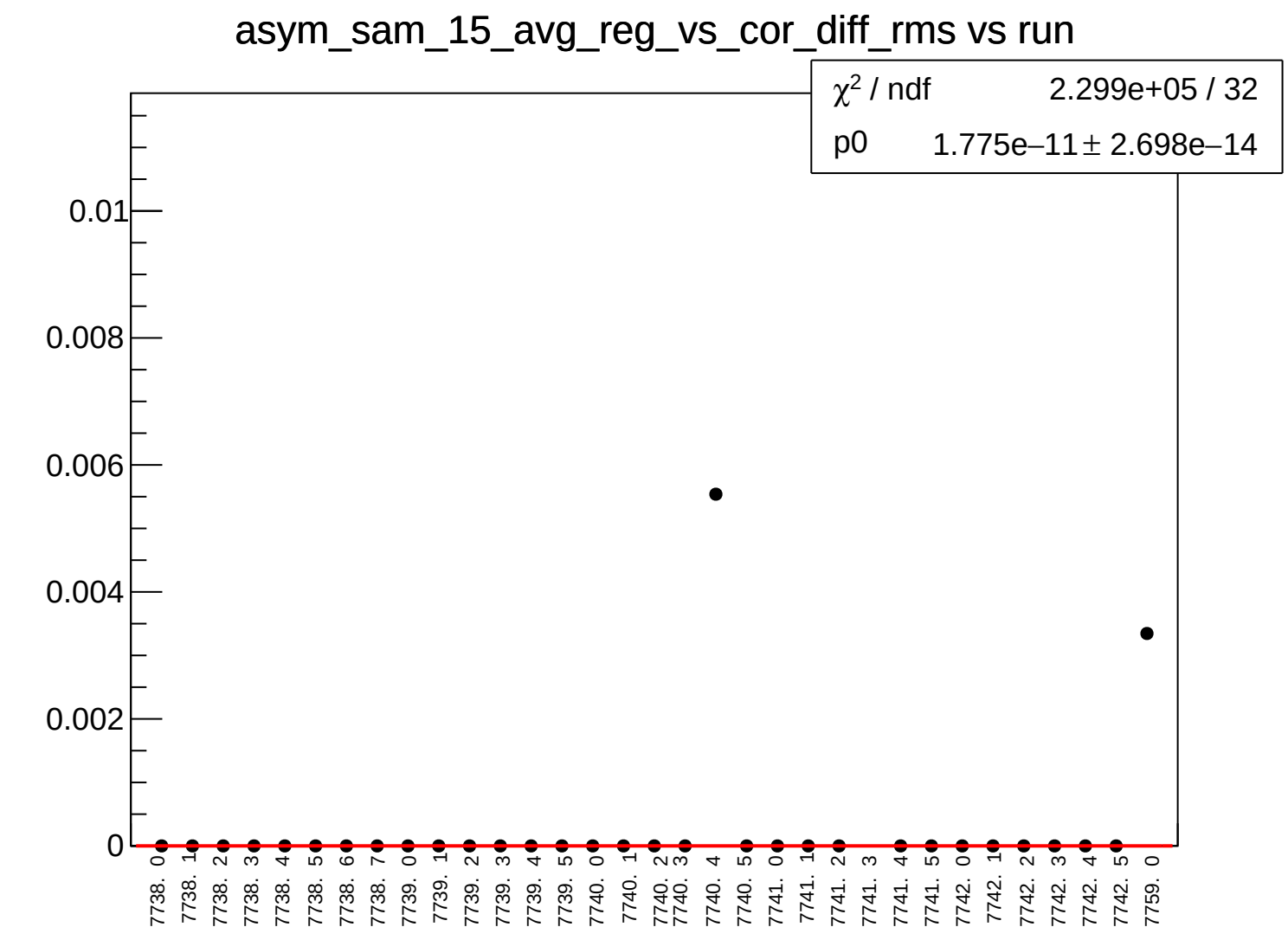

pull1D
Entries 33
Mean 0.04104
Std Dev 1.106
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

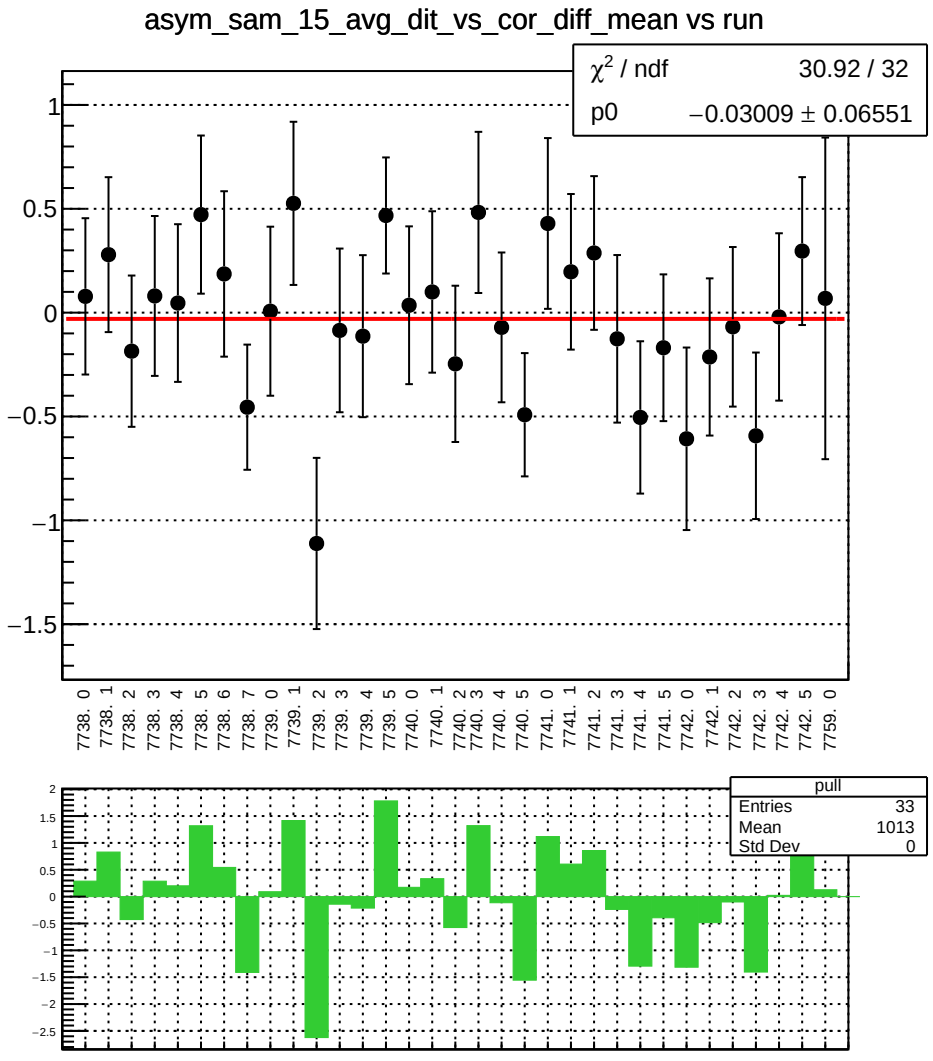

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 9199 / 32
p0 254.4 ± 0.3147
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

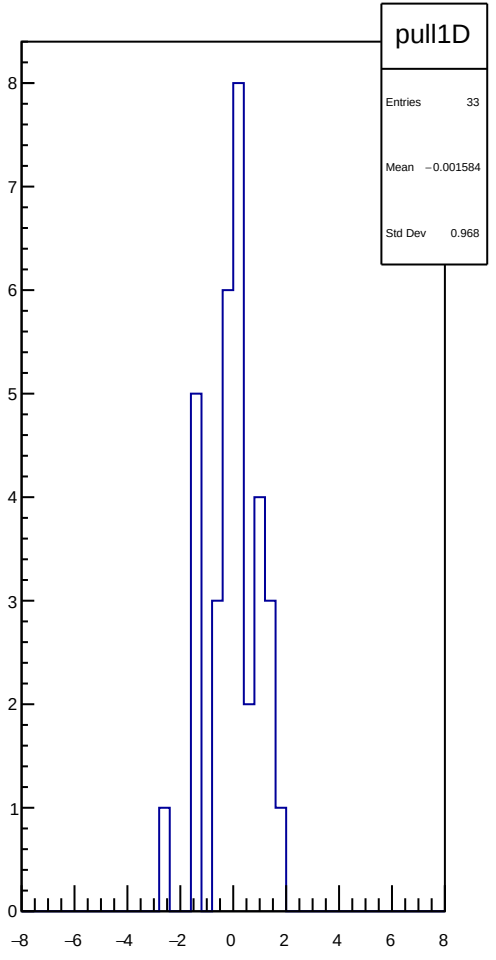

asym_sam_15_avg_mean vs run
χ² / ndf 35.22 / 32
p0 509 ± 448.5
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −44.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.04034
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

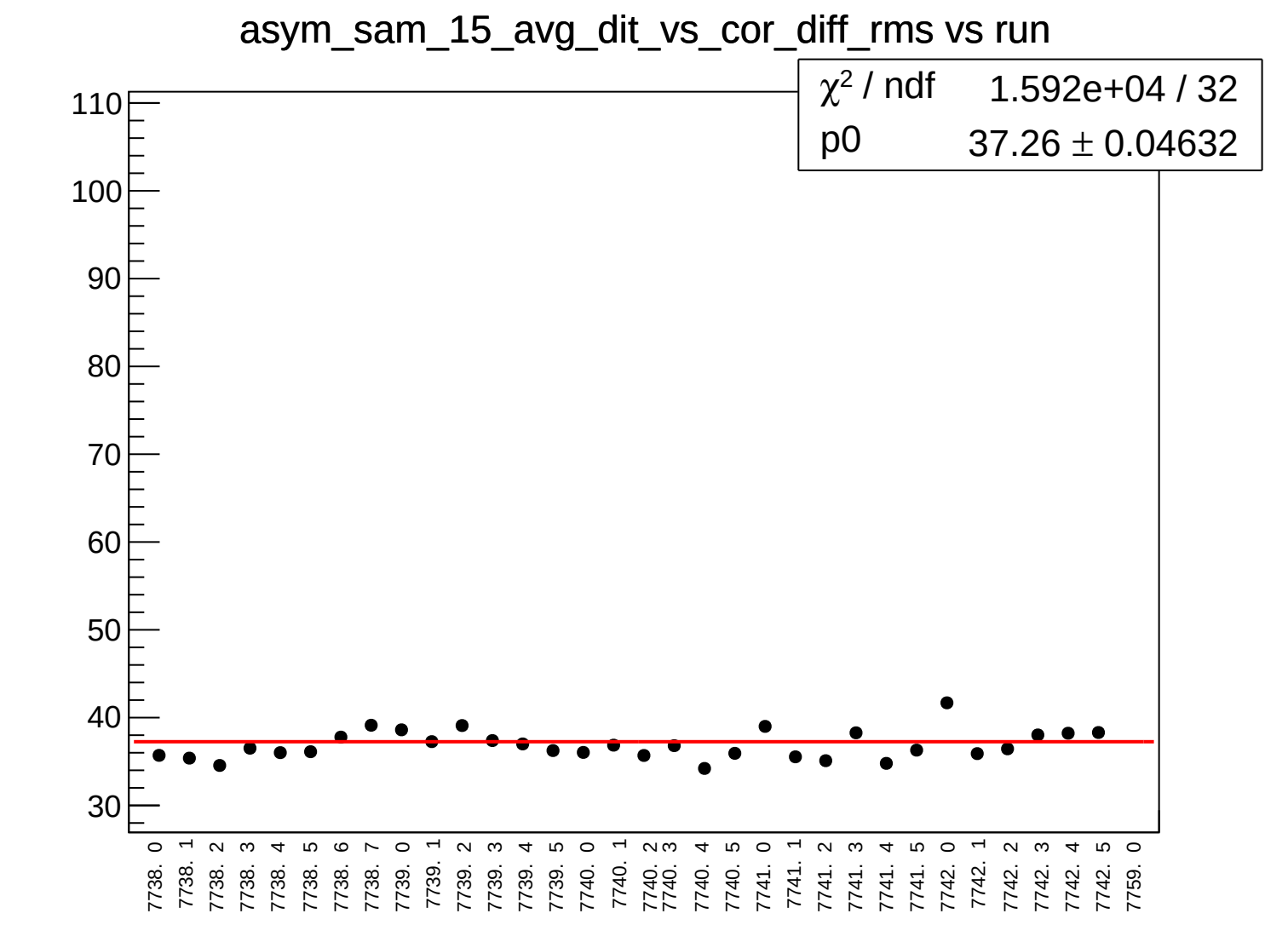

asym_sam_15_avg_rms vs run
χ² / ndf 8361 / 32
p0 256.5 ± 0.3171
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

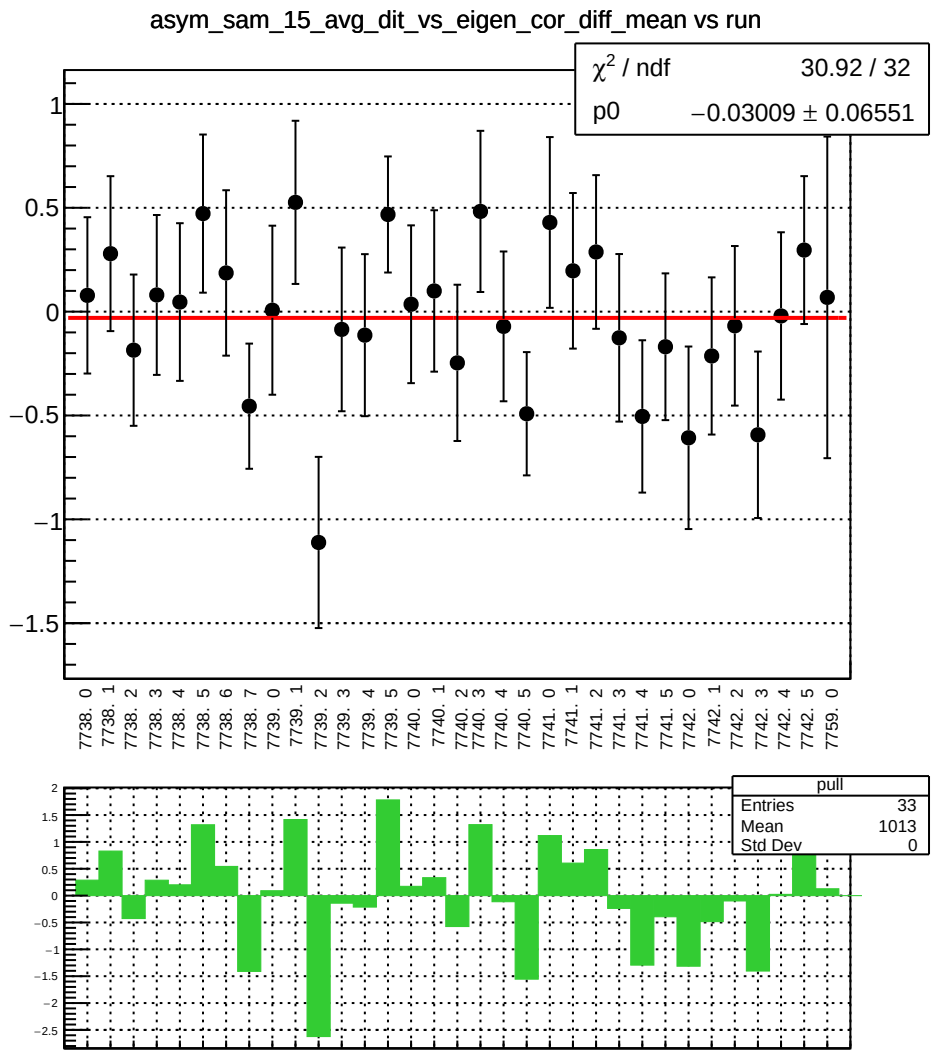

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 28.97 / 32
p0 −1.05e−14 ± 3.815e−14
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 25.59
Std Dev 7.503
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.1371
Std Dev 0.9269
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

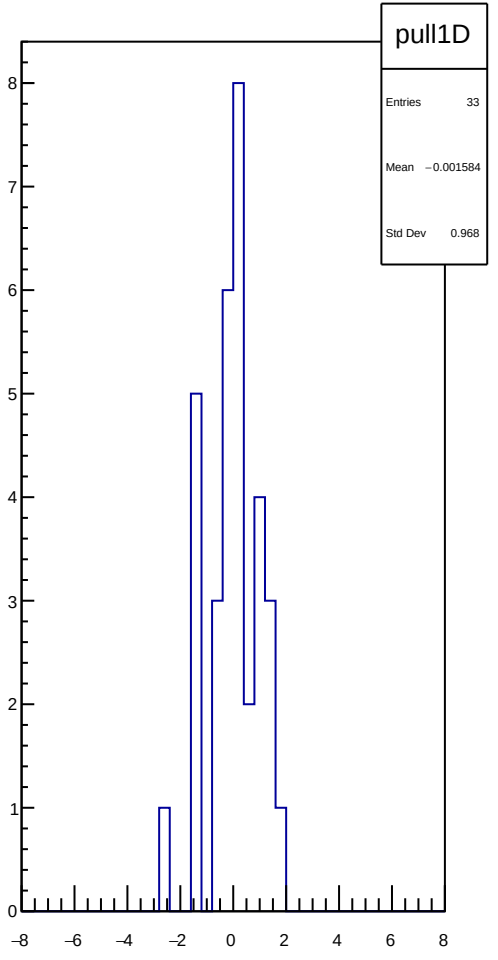

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.299e+05 / 32
p0 1.775e−11 ± 2.698e−14
0.01
0.008
0.006
0.004
0.002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

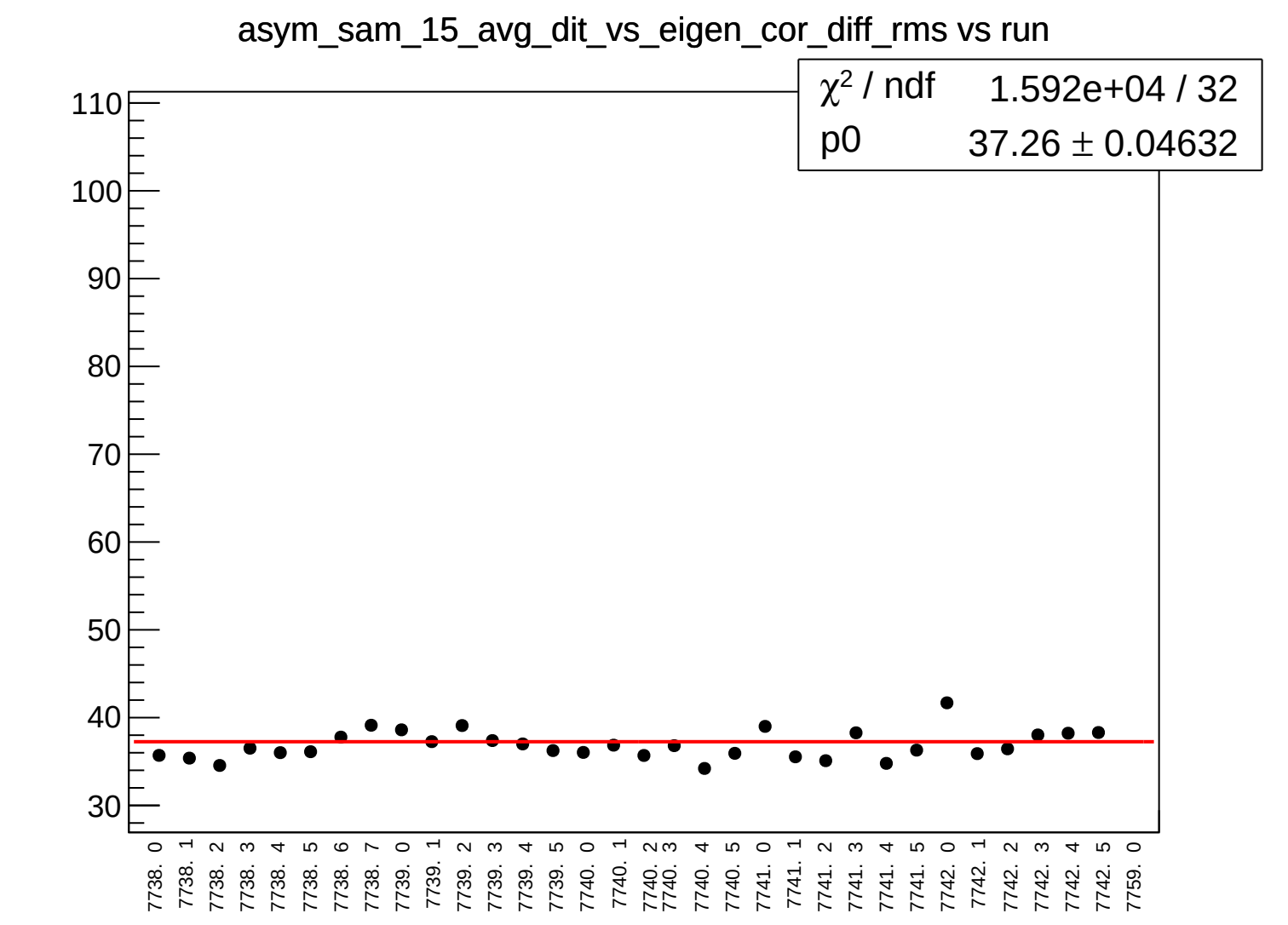

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 30.92 / 32
p0 −0.03009 ± 0.06551
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1013
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

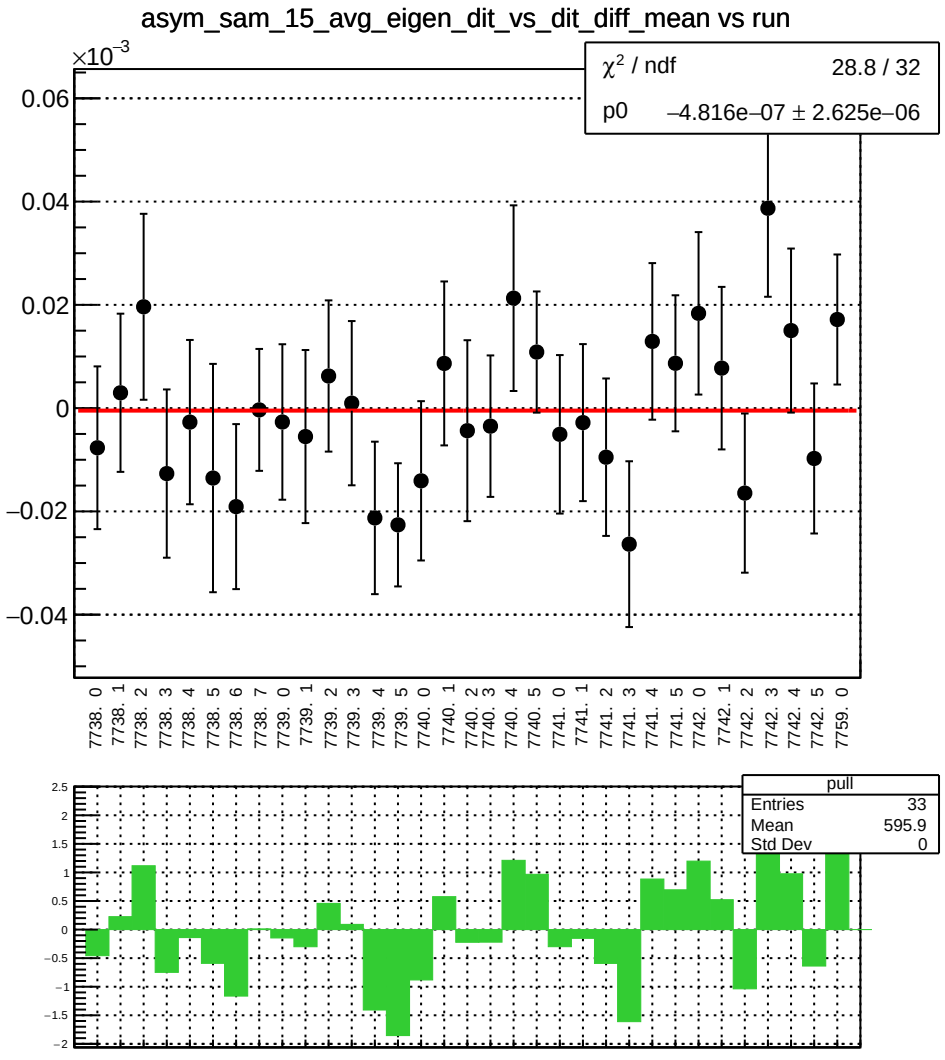

pull1D
Entries 33
Mean −0.001584
Std Dev 0.968
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

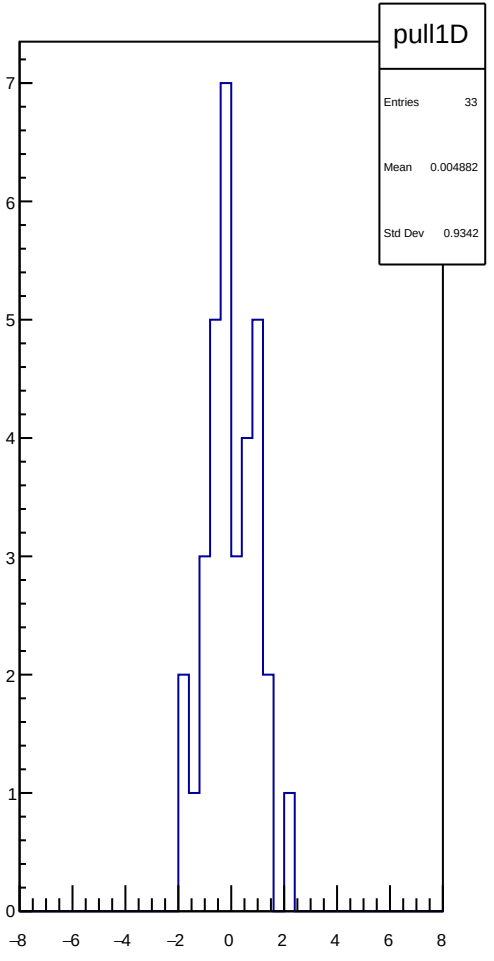

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.592e+04 / 32
p0 37.26 ± 0.04632
110
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

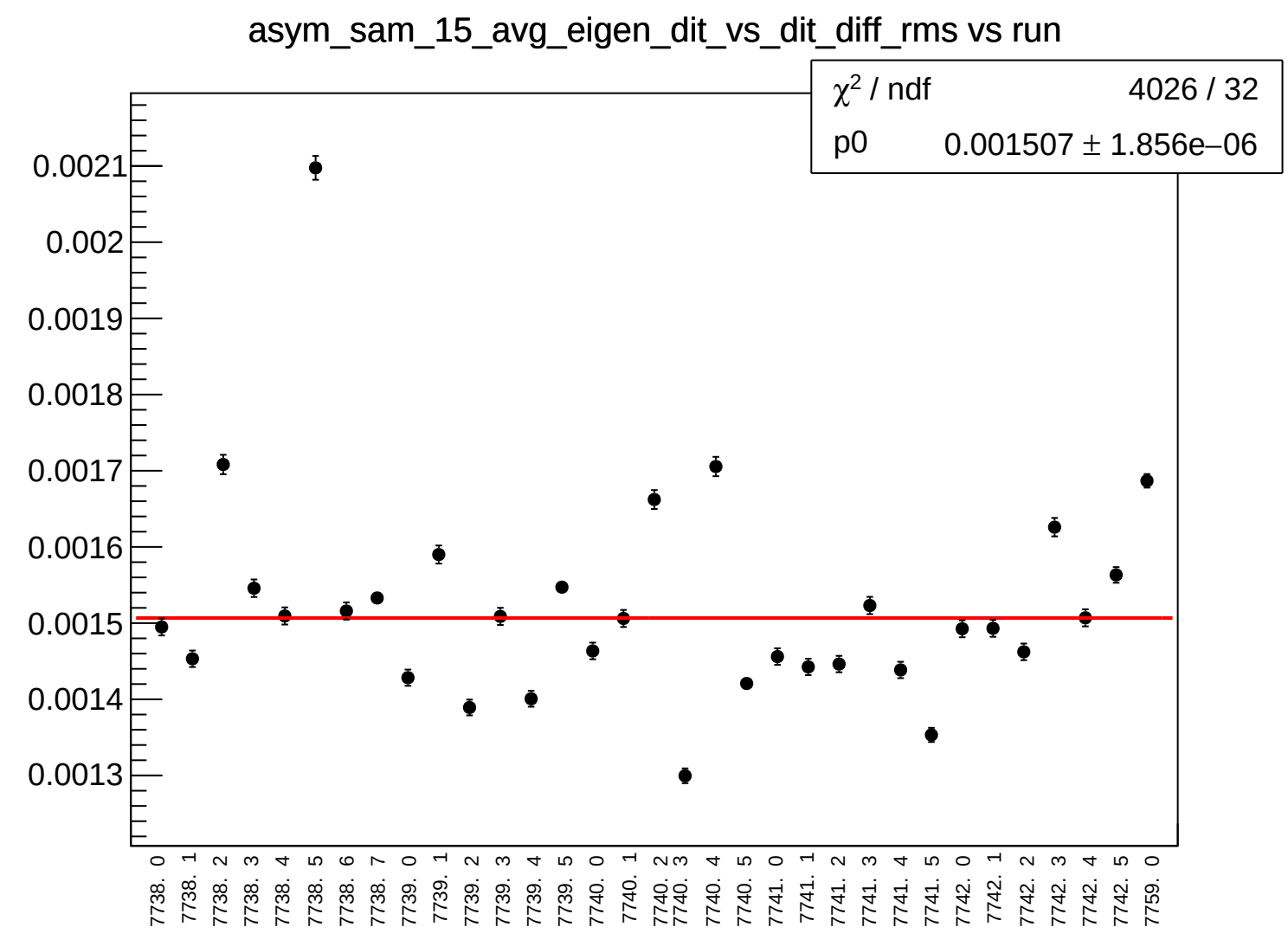

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.92 / 32
p0 −0.03009 ± 0.06551
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1013
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

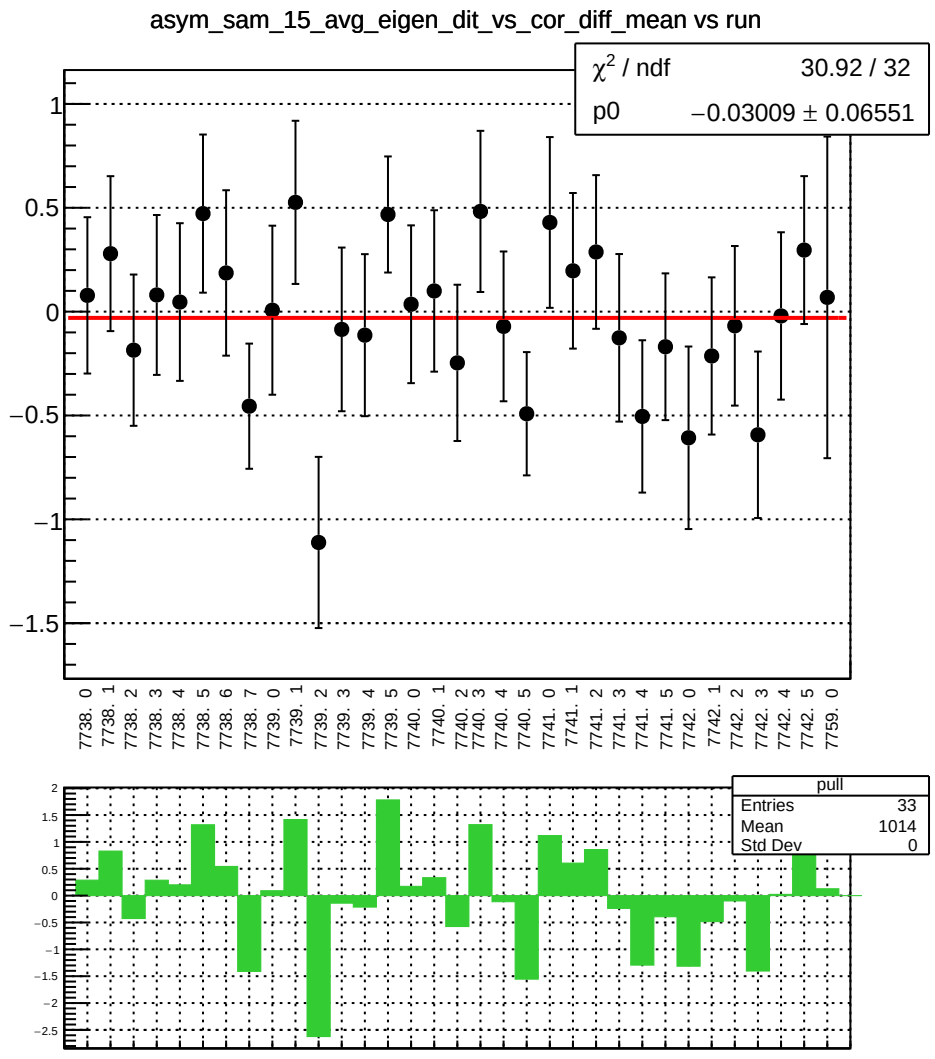

pull1D
Entries 33
Mean −0.001584
Std Dev 0.968
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

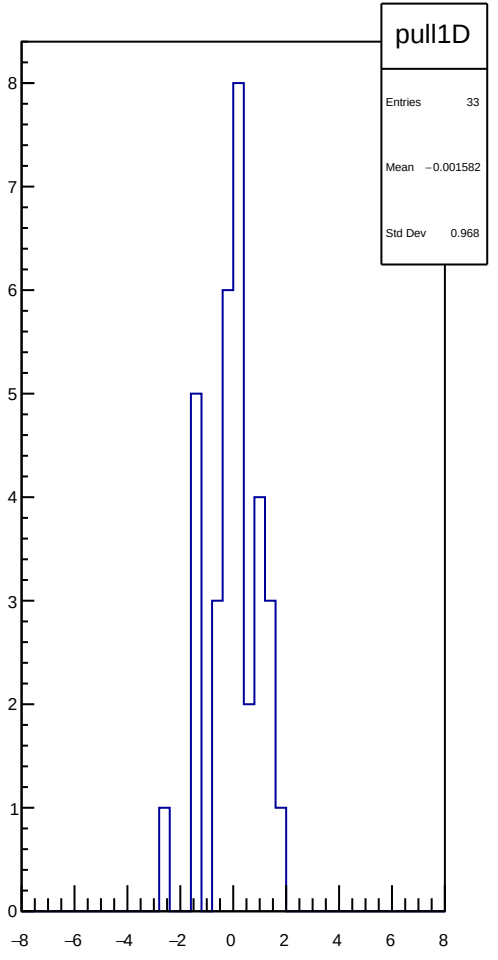

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.592e+04 / 32
p0 37.26 ± 0.04632
110
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

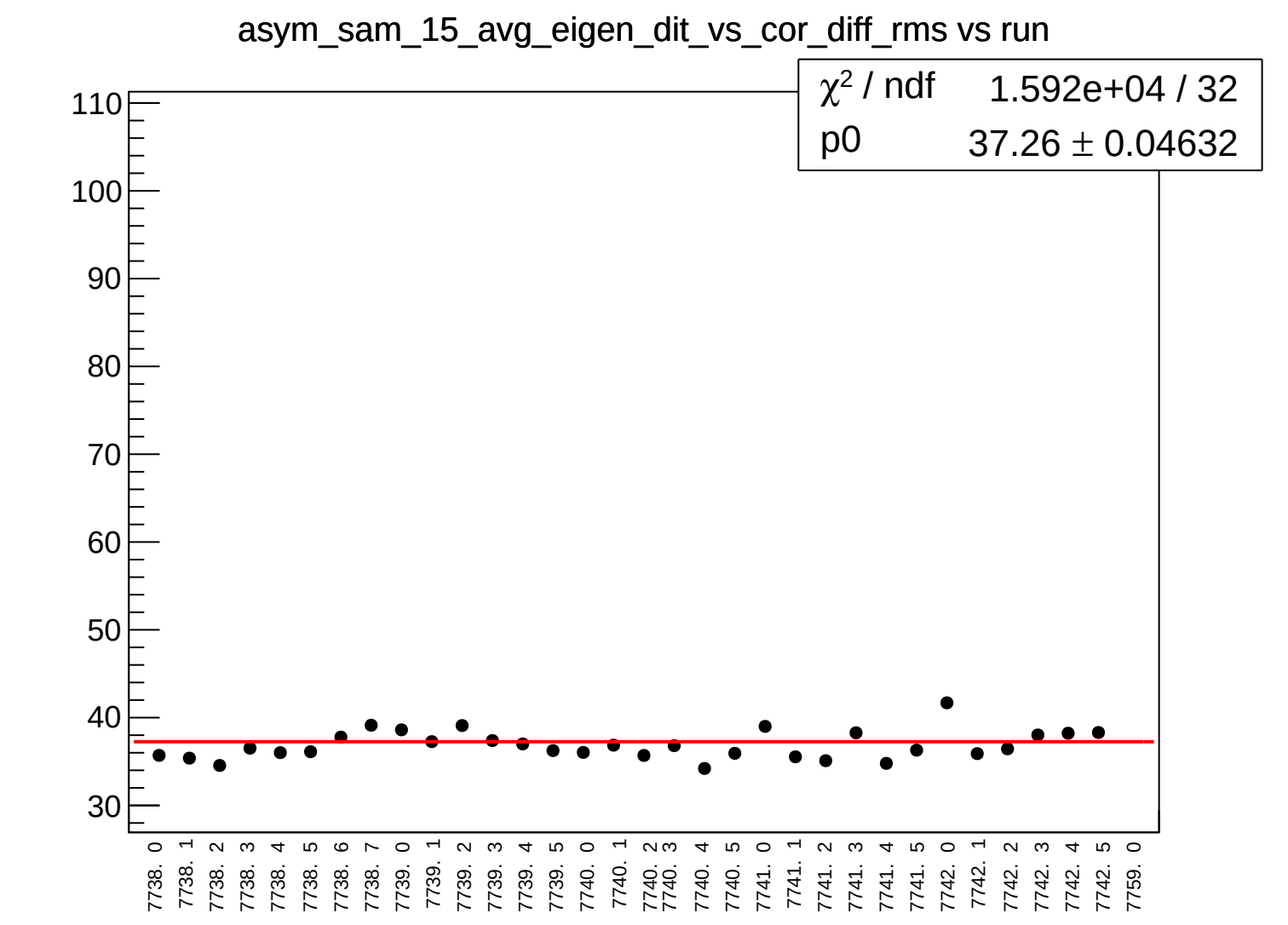

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.8 / 32
p0 −4.816e−07 ± 2.625e−06
0.06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 595.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

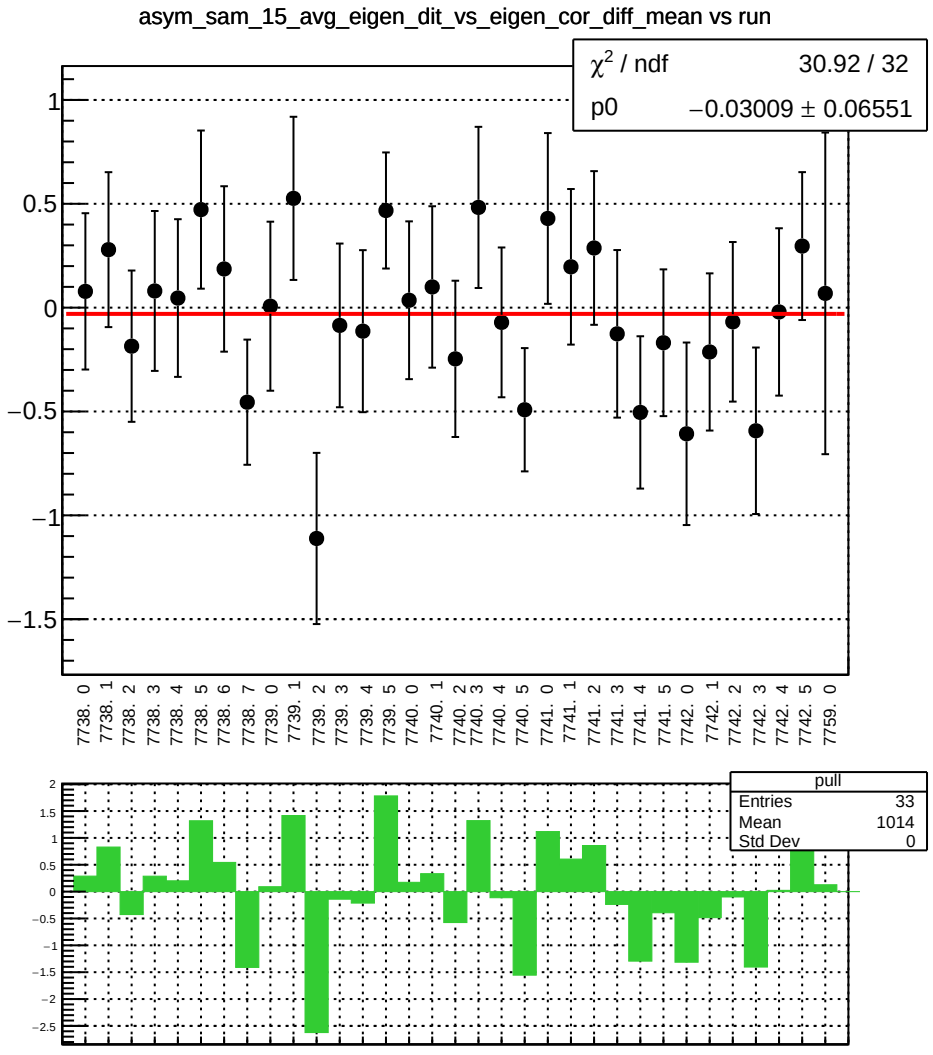

pull1D
Entries 33
Mean 0.004882
Std Dev 0.9342
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

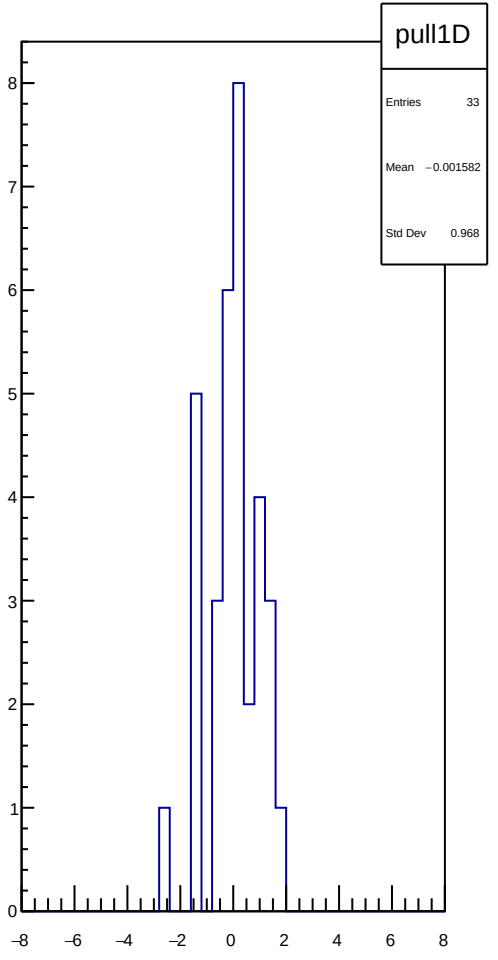

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4026 / 32
p0 0.001507 ± 1.856e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

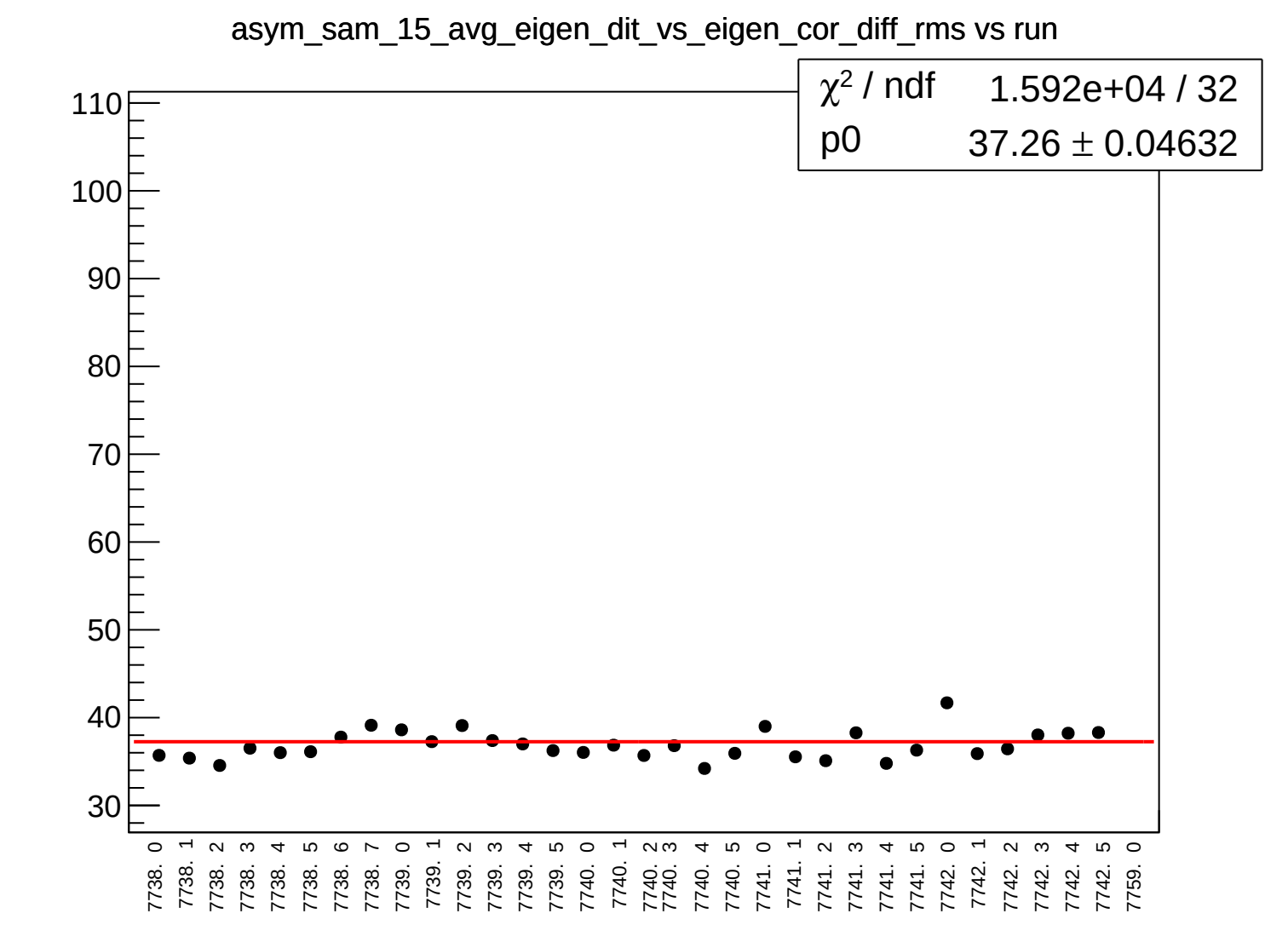

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.92 / 32
p0 −0.03009 ± 0.06551
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1014
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

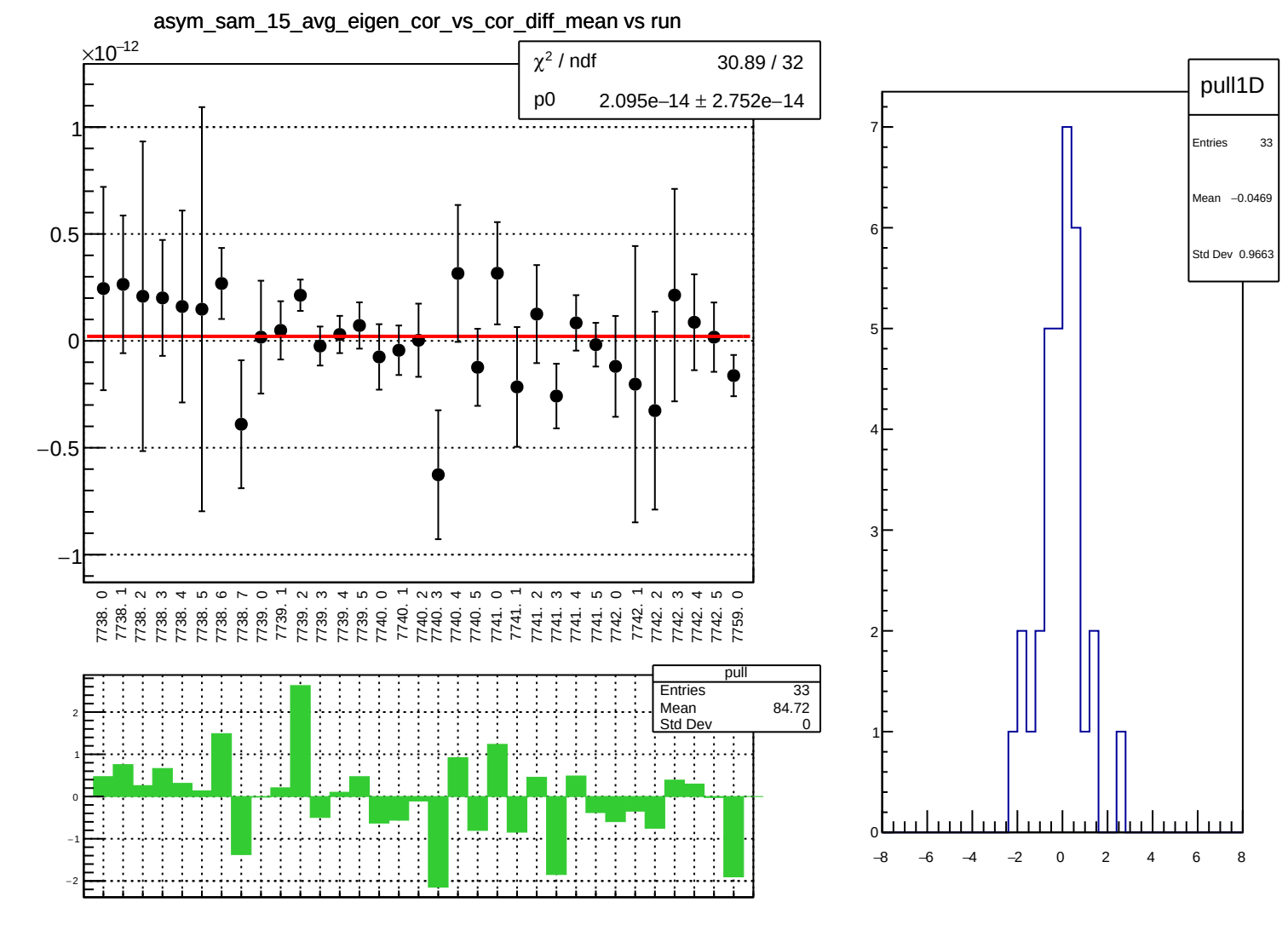

pull1D
Entries 33
Mean −0.001582
Std Dev 0.968
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

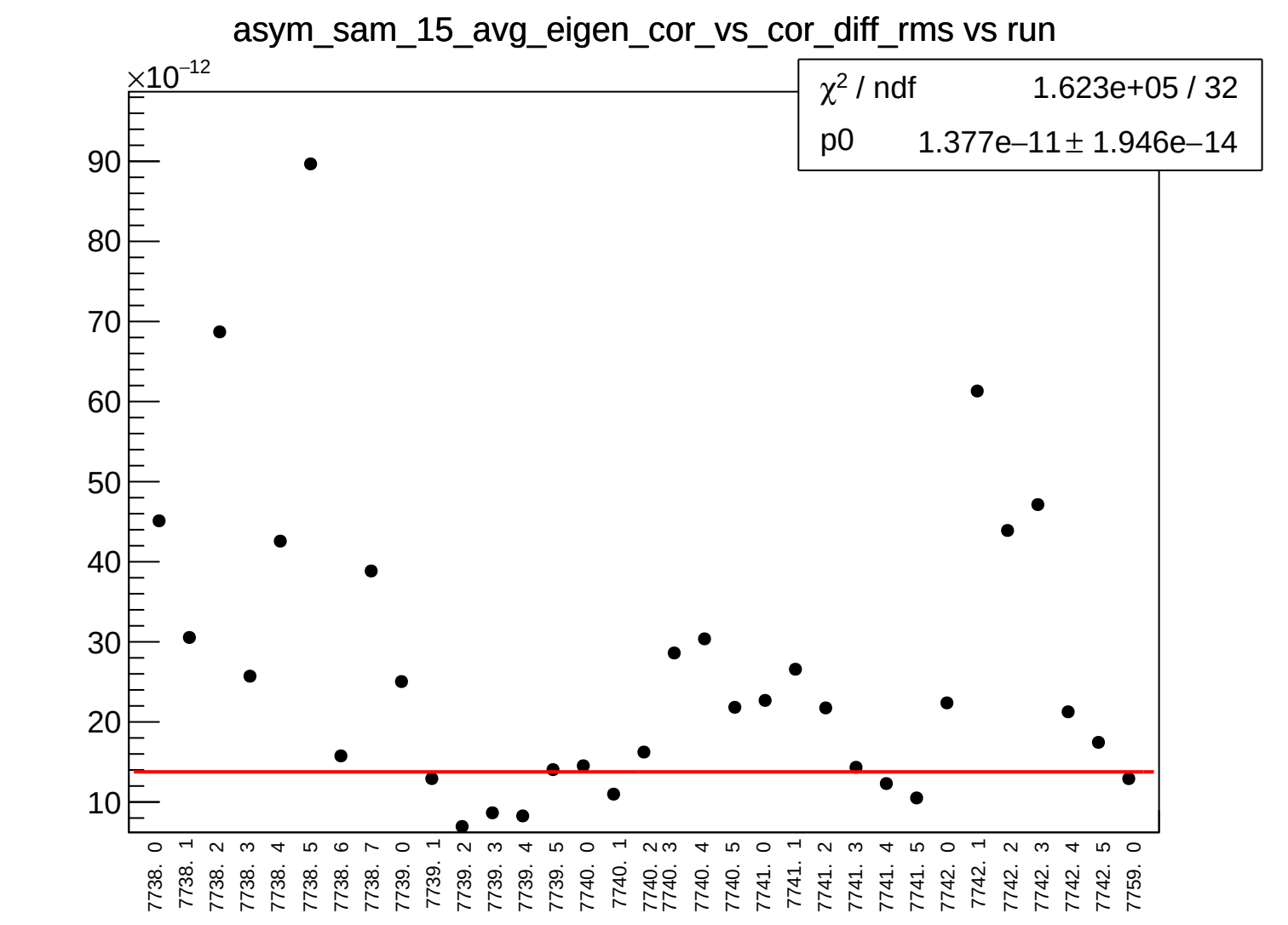

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.592e+04 / 32
p0 37.26 ± 0.04632
110
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

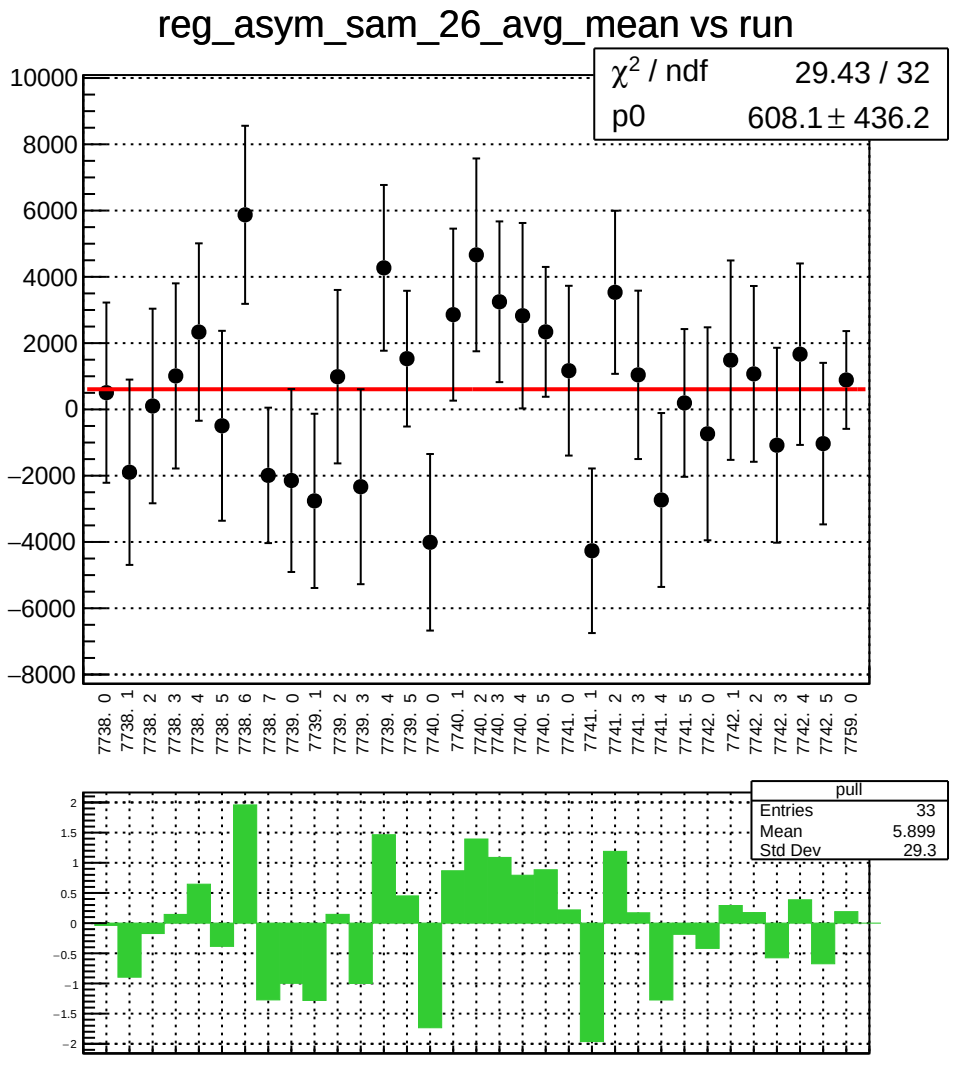

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.92 / 32
p0 −0.03009 ± 0.06551
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1014
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

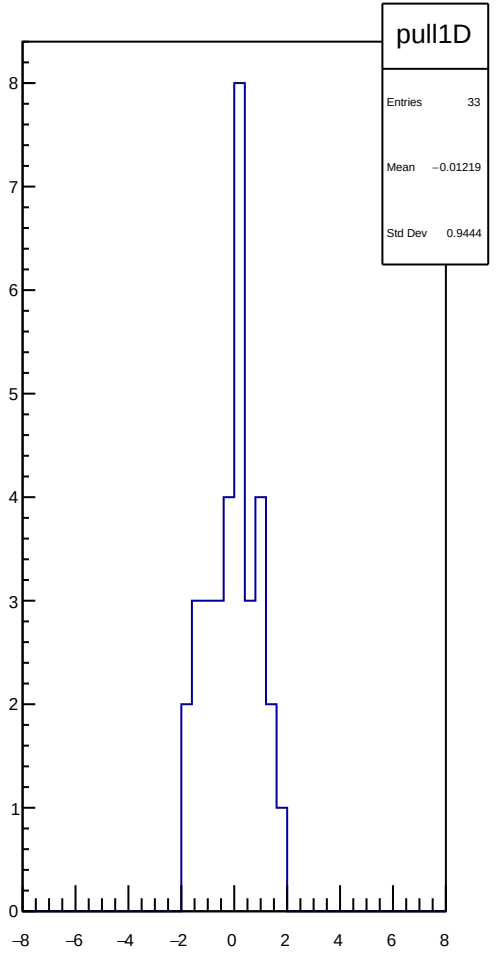

pull1D
Entries 33
Mean −0.001582
Std Dev 0.968
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

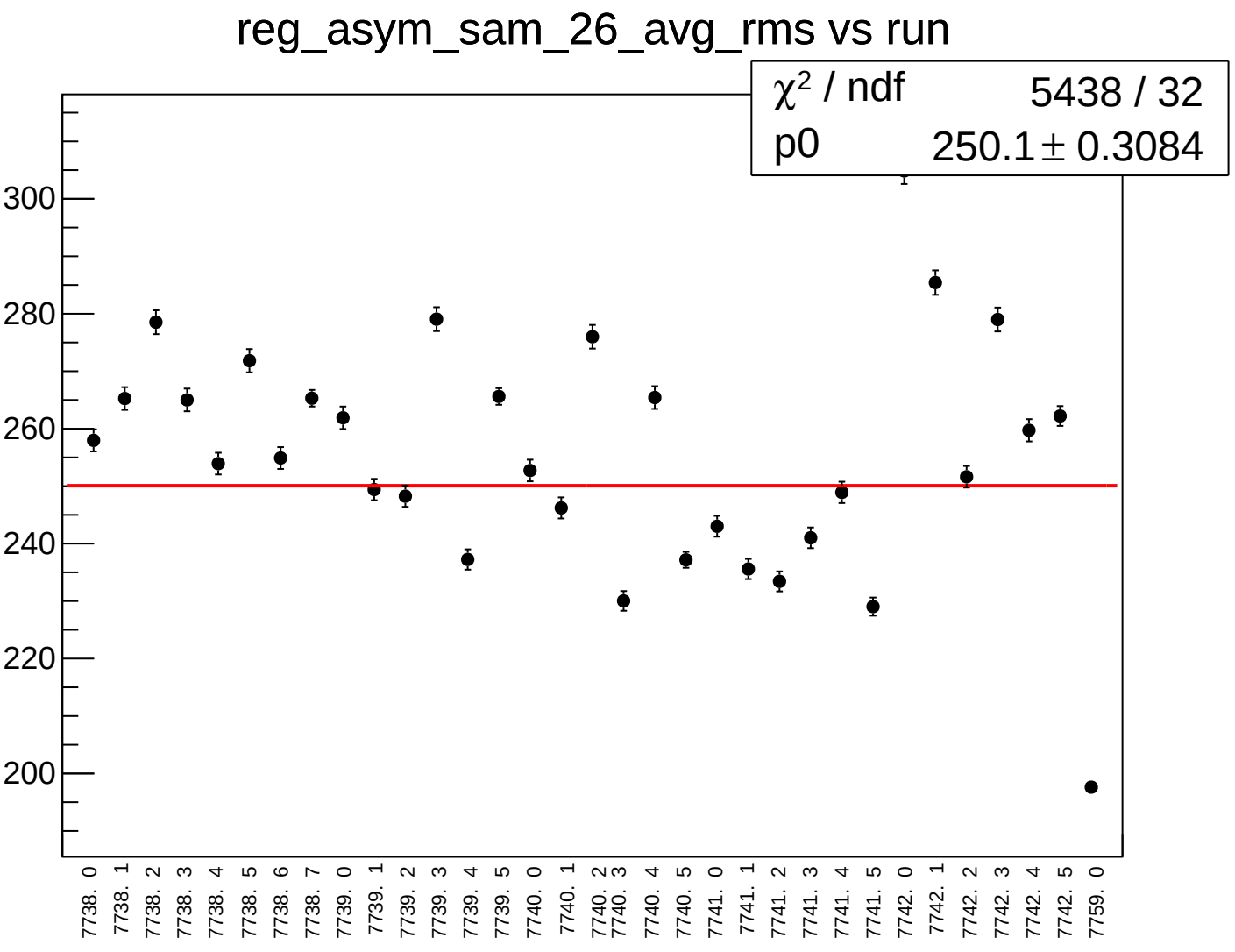

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.592e+04 / 32
p0 37.26 ± 0.04632
110
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

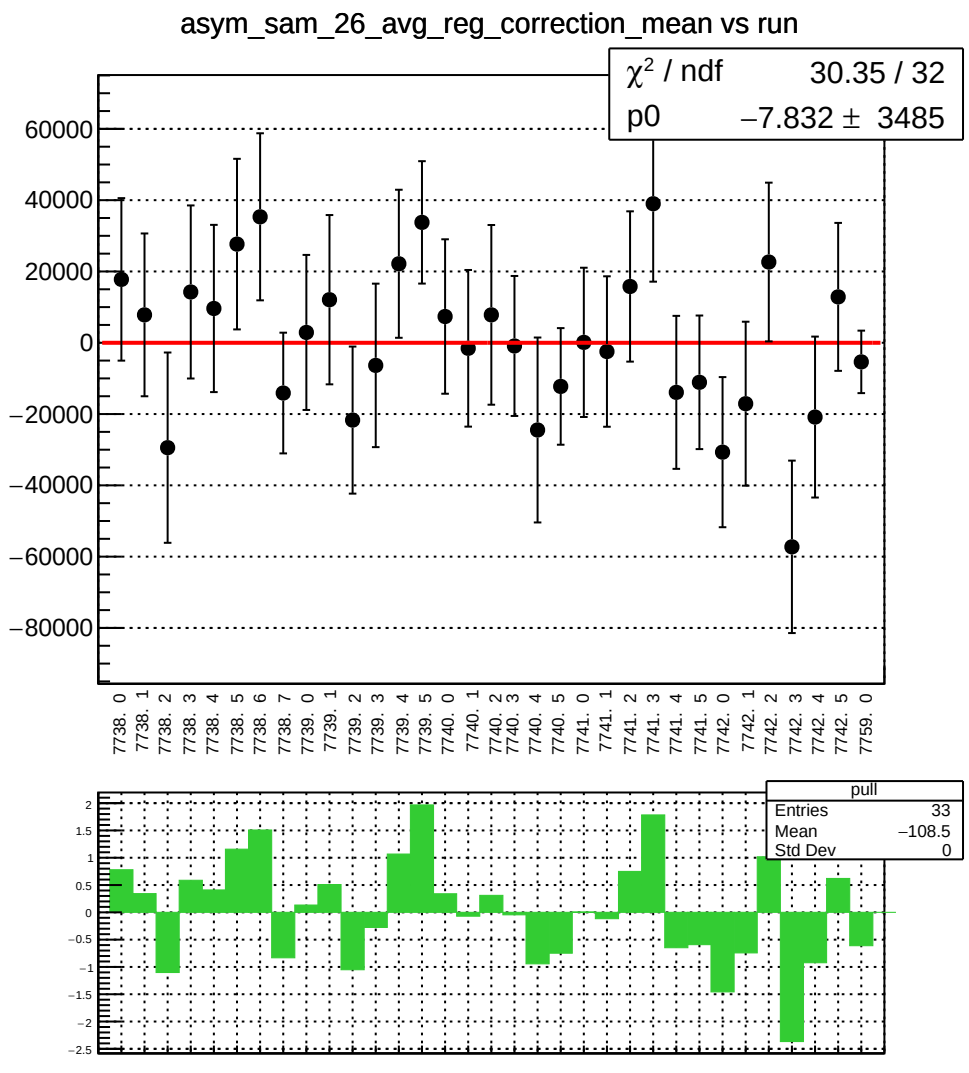

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 30.89 / 32
p0 2.095e−14 ± 2.752e−14
1
0.5
0
−0.5
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 84.72
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0469
Std Dev 0.9663
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

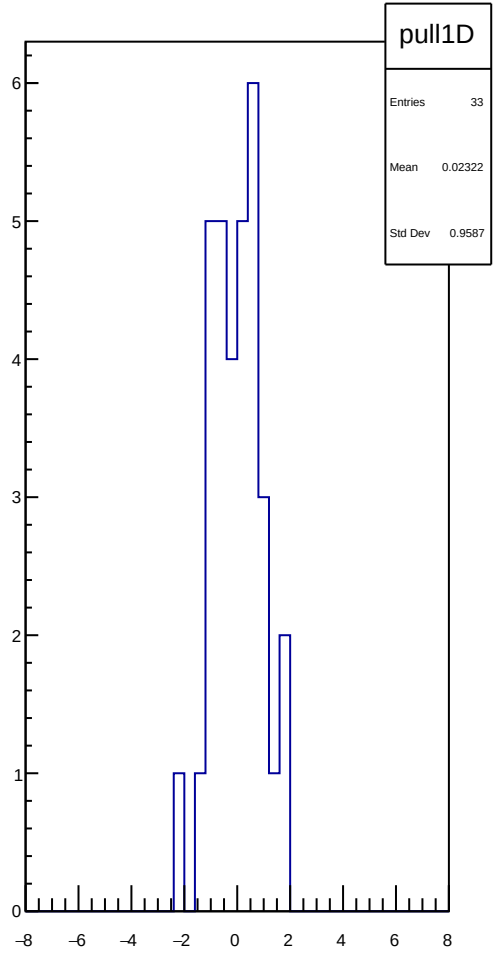

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.623e+05 / 32
p0 1.377e−11 ± 1.946e−14
90
80
70
60
50
40
30
20
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

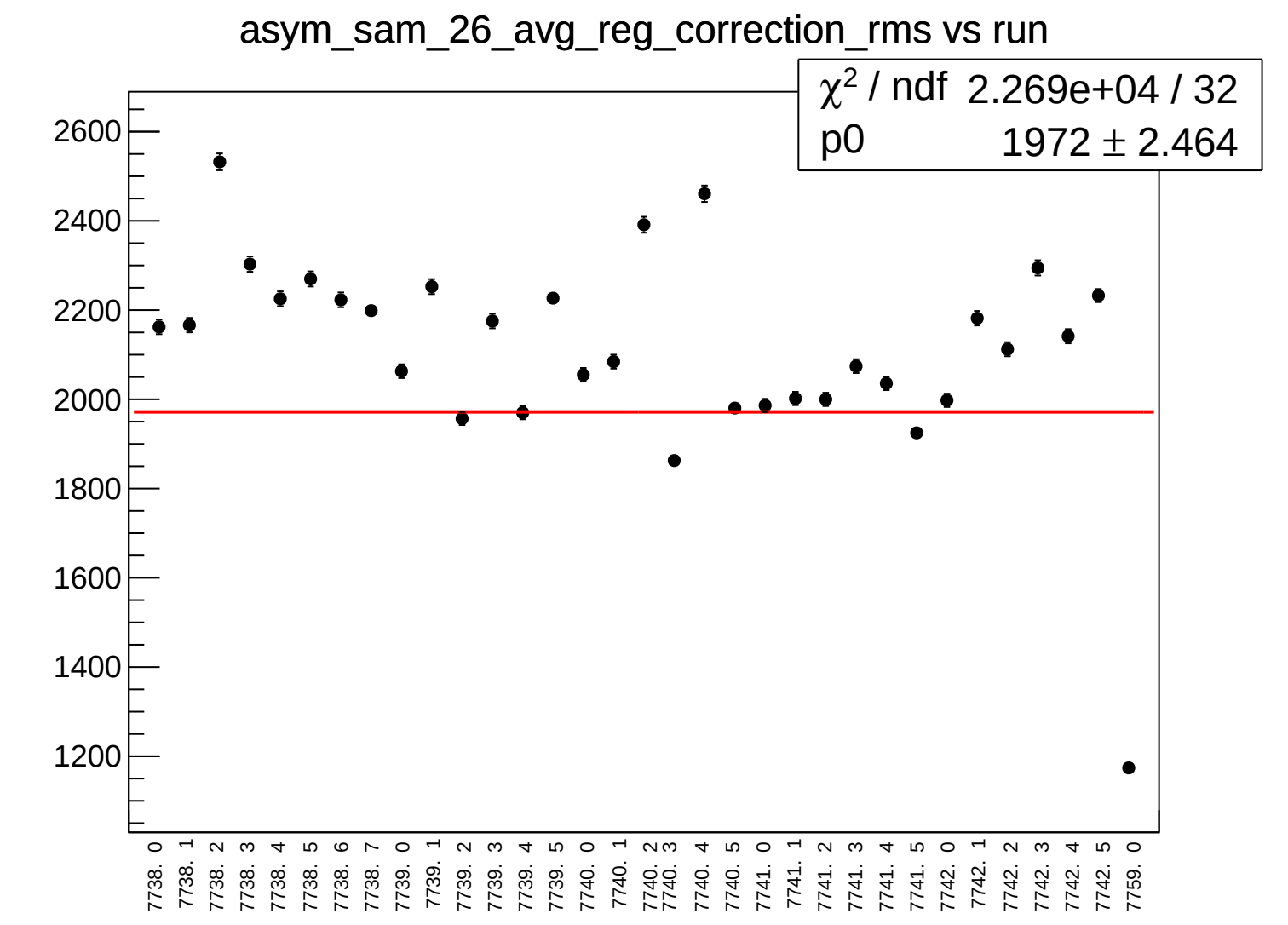

reg_asym_sam_26_avg_mean vs run
χ² / ndf 29.43 / 32
p0 608.1 ± 436.2
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.899
Std Dev 29.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

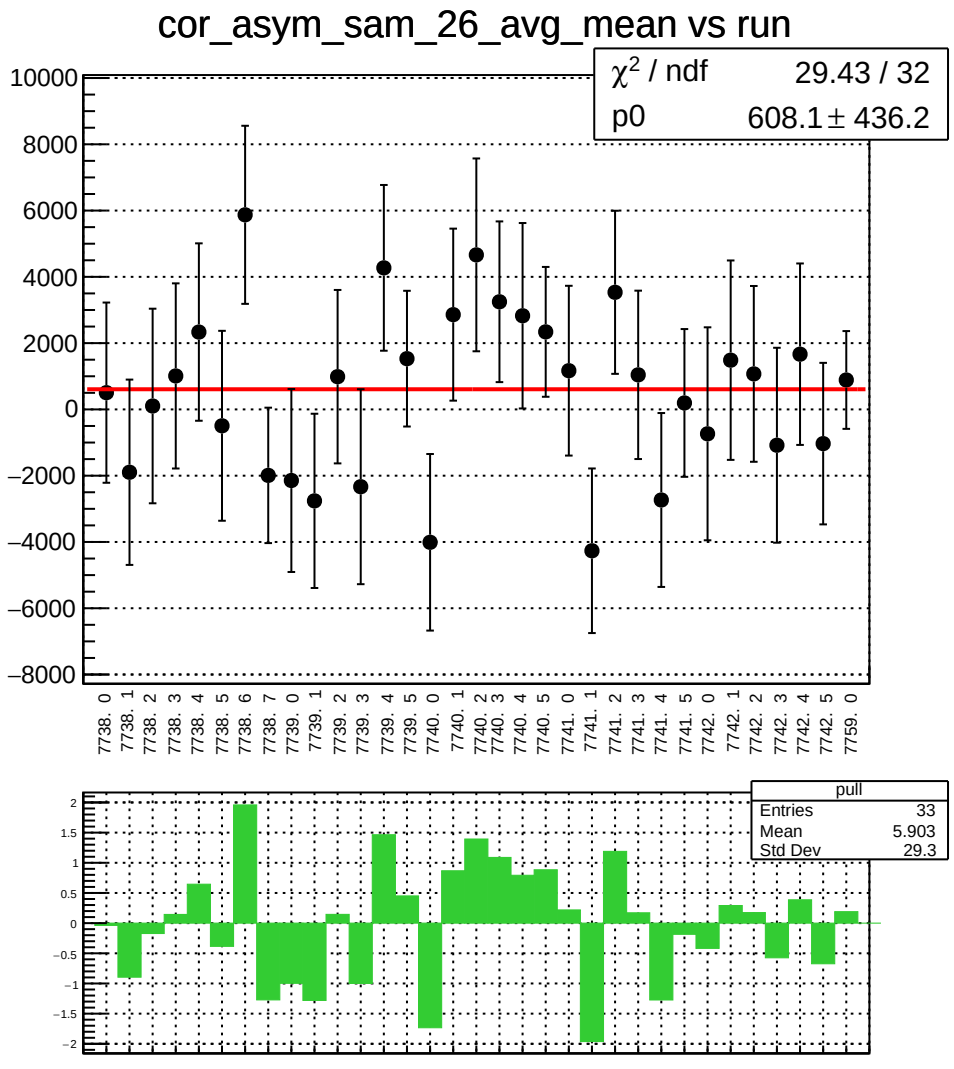

pull1D
Entries 33
Mean −0.01219
Std Dev 0.9444
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

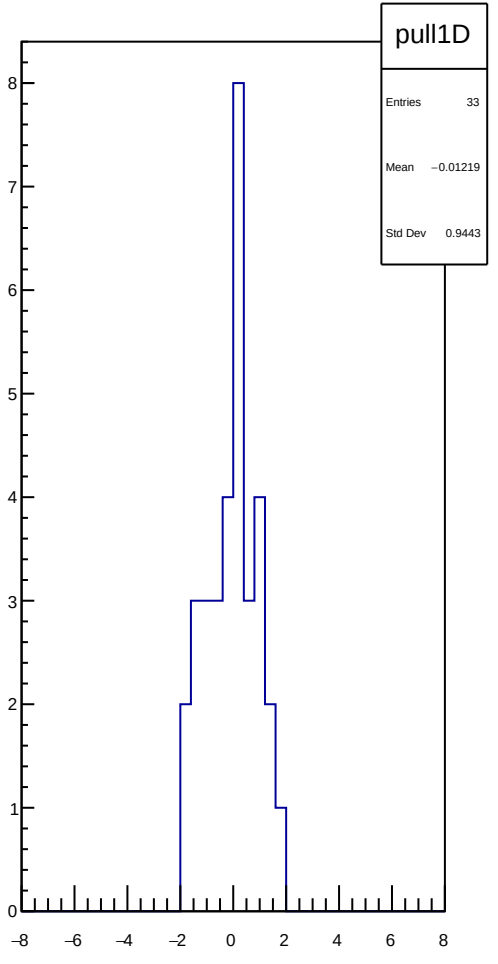

reg_asym_sam_26_avg_rms vs run
χ² / ndf 5438 / 32
p0 250.1 ± 0.3084
300
280
260
240
220
200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

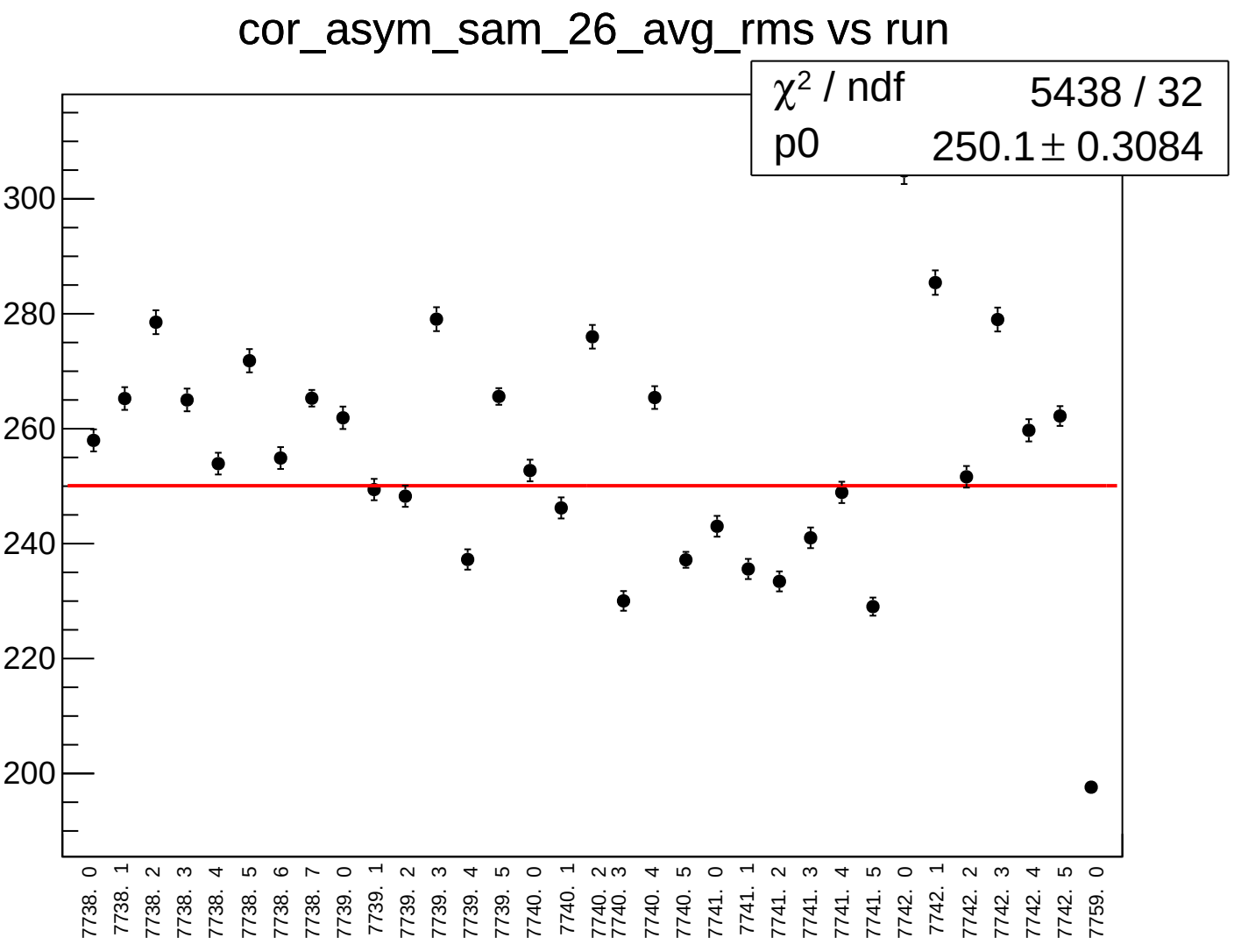

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 30.35 / 32
p0 −7.832 ± 3485
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −108.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

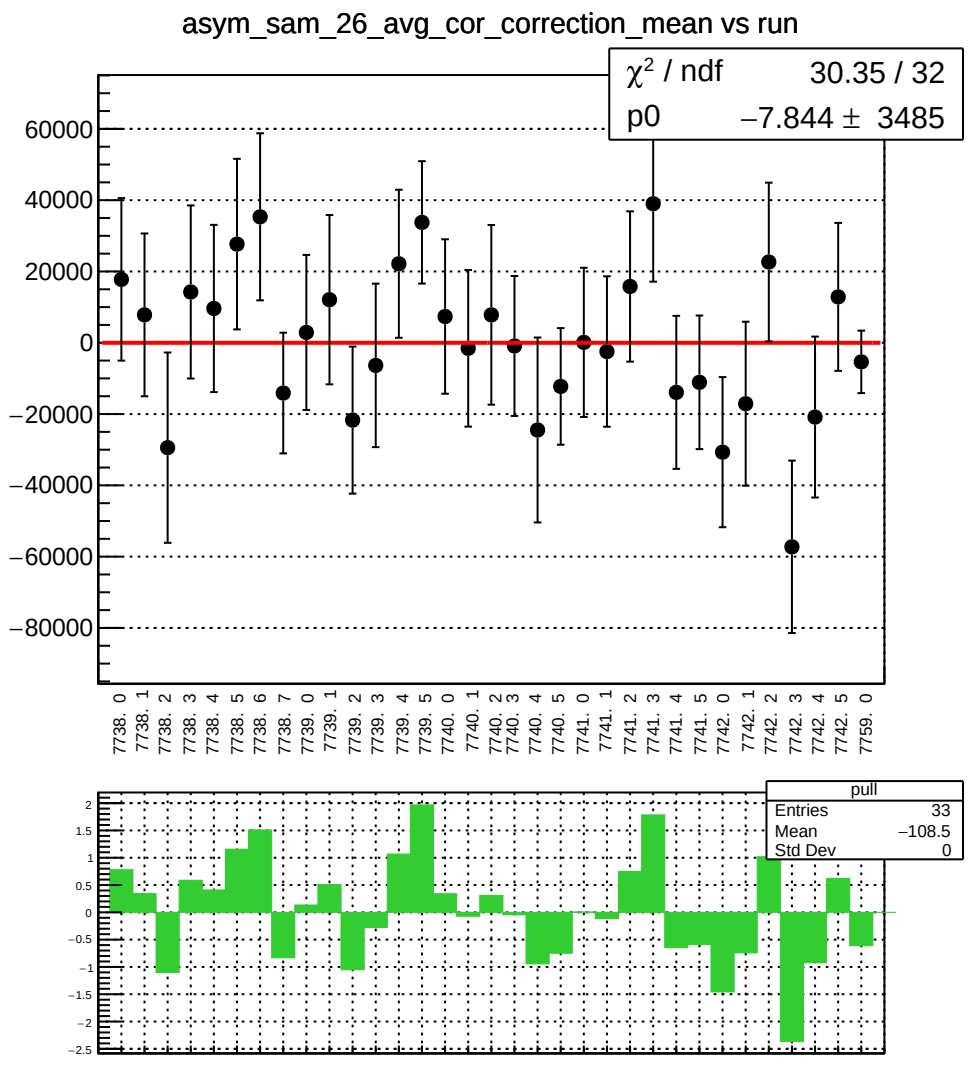

pull1D
Entries 33
Mean 0.02322
Std Dev 0.9587
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

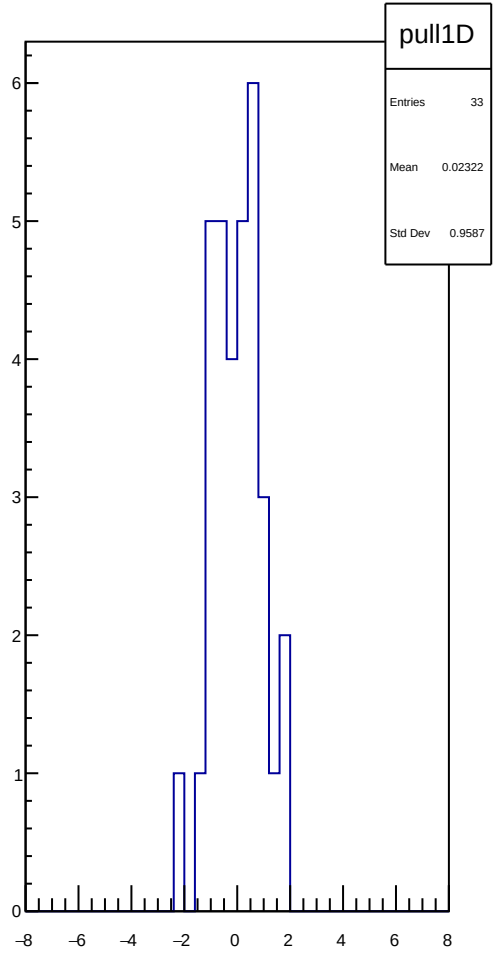

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 2.269e+04 / 32
p0 1972 ± 2.464
2600
2400
2200
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

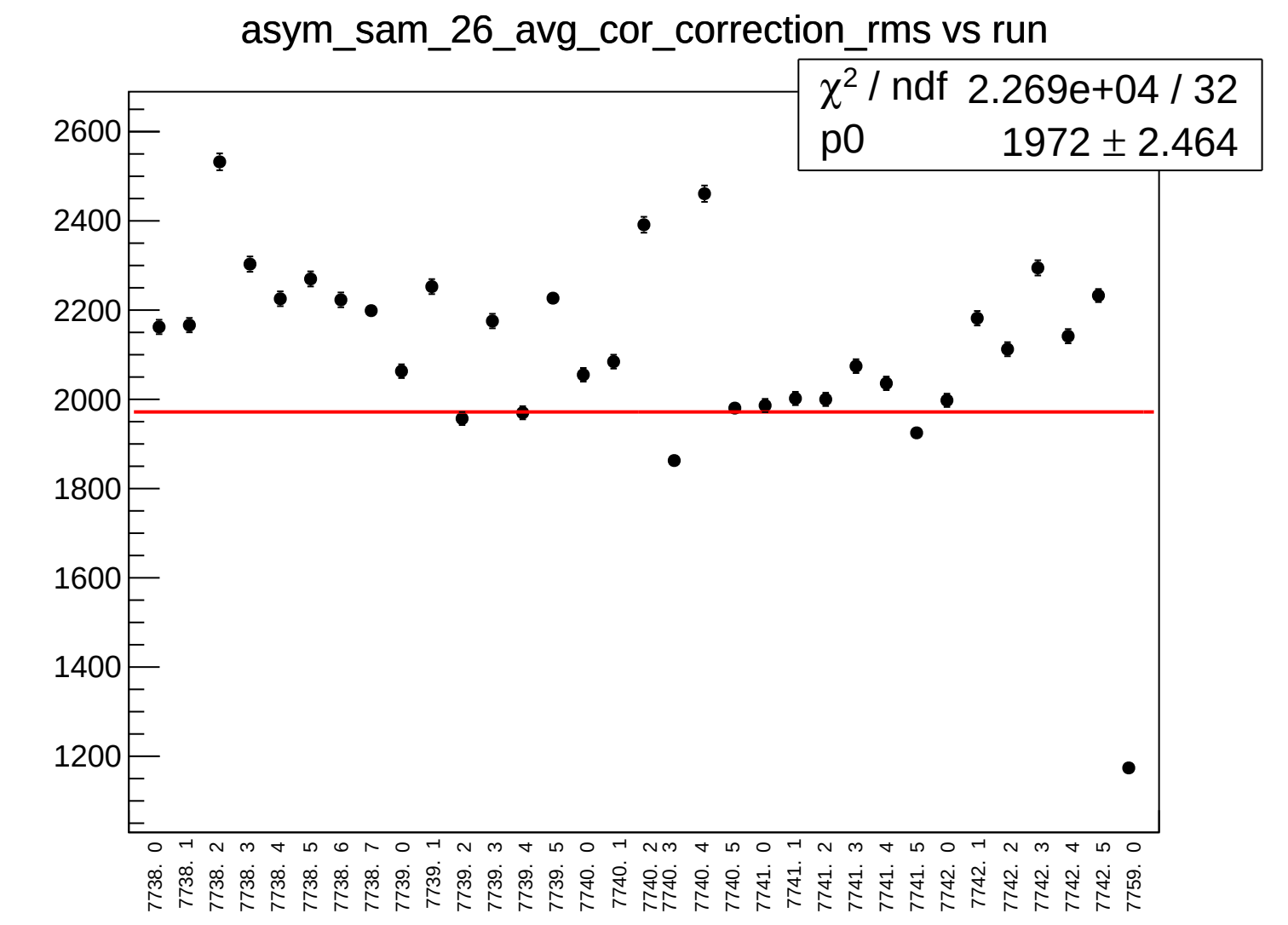

cor_asym_sam_26_avg_mean vs run
χ² / ndf 29.43 / 32
p0 608.1 ± 436.2
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.903
Std Dev 29.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

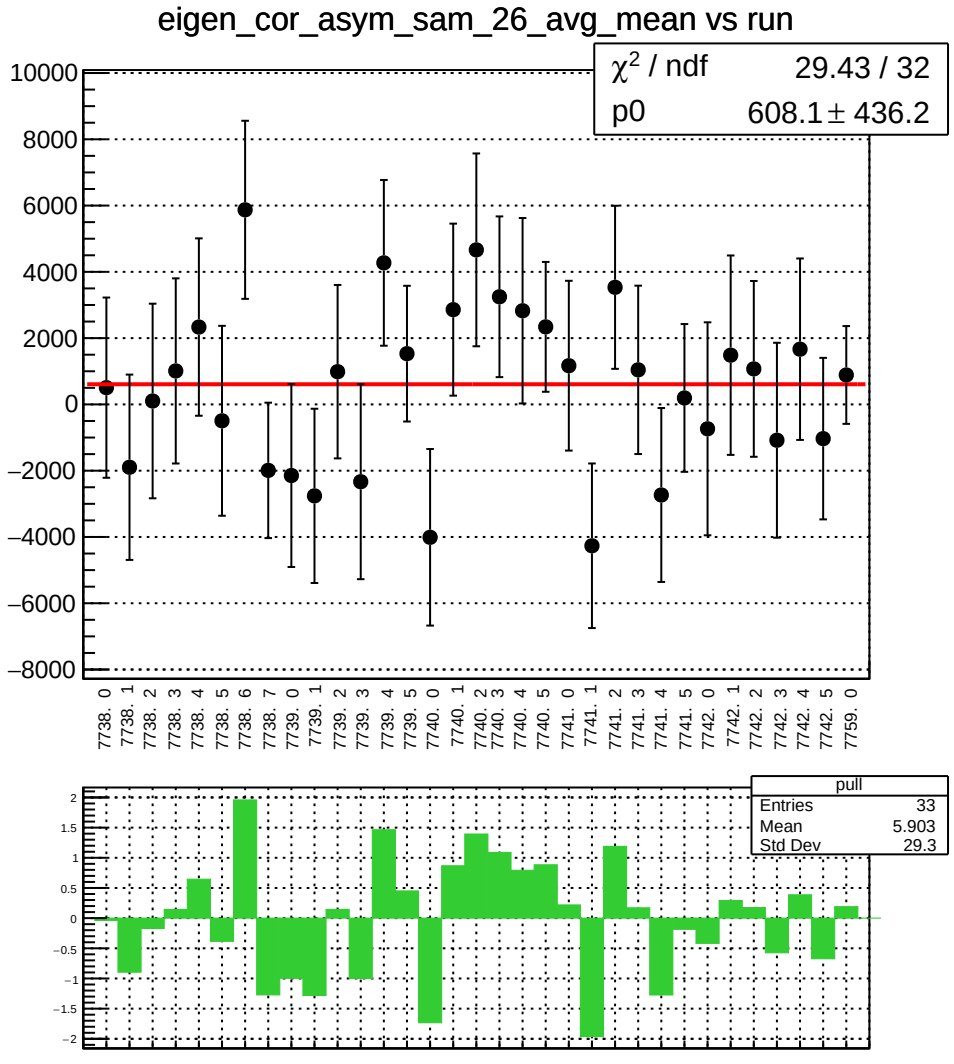

pull1D
Entries 33
Mean −0.01219
Std Dev 0.9443
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

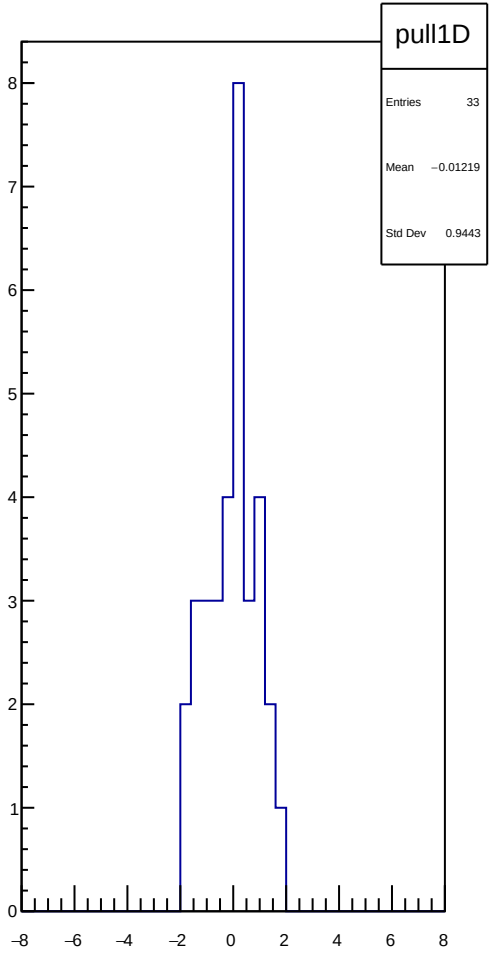

cor_asym_sam_26_avg_rms vs run
χ² / ndf 5438 / 32
p0 250.1 ± 0.3084
300
280
260
240
220
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

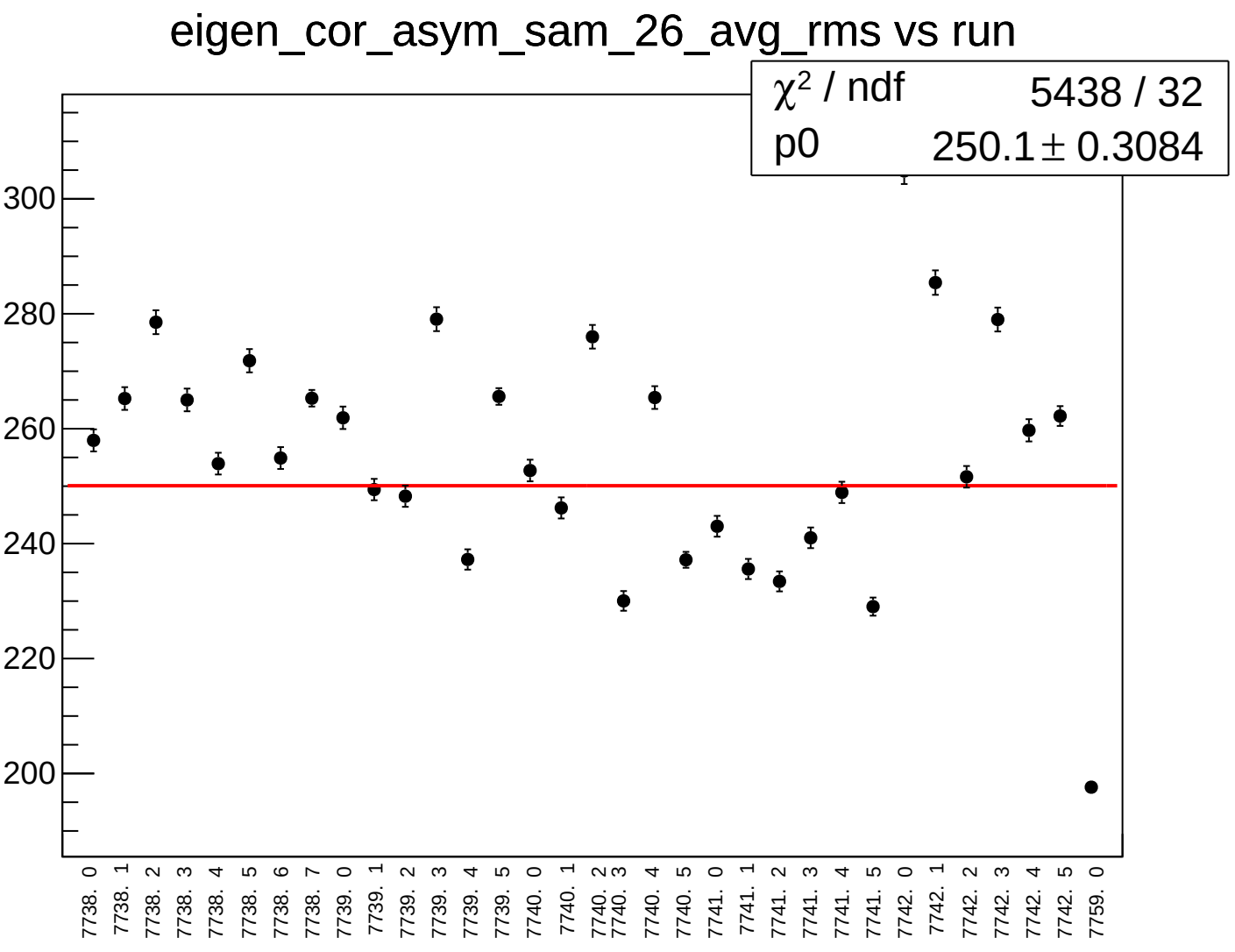

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 30.35 / 32
p0 −7.844 ± 3485
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −108.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

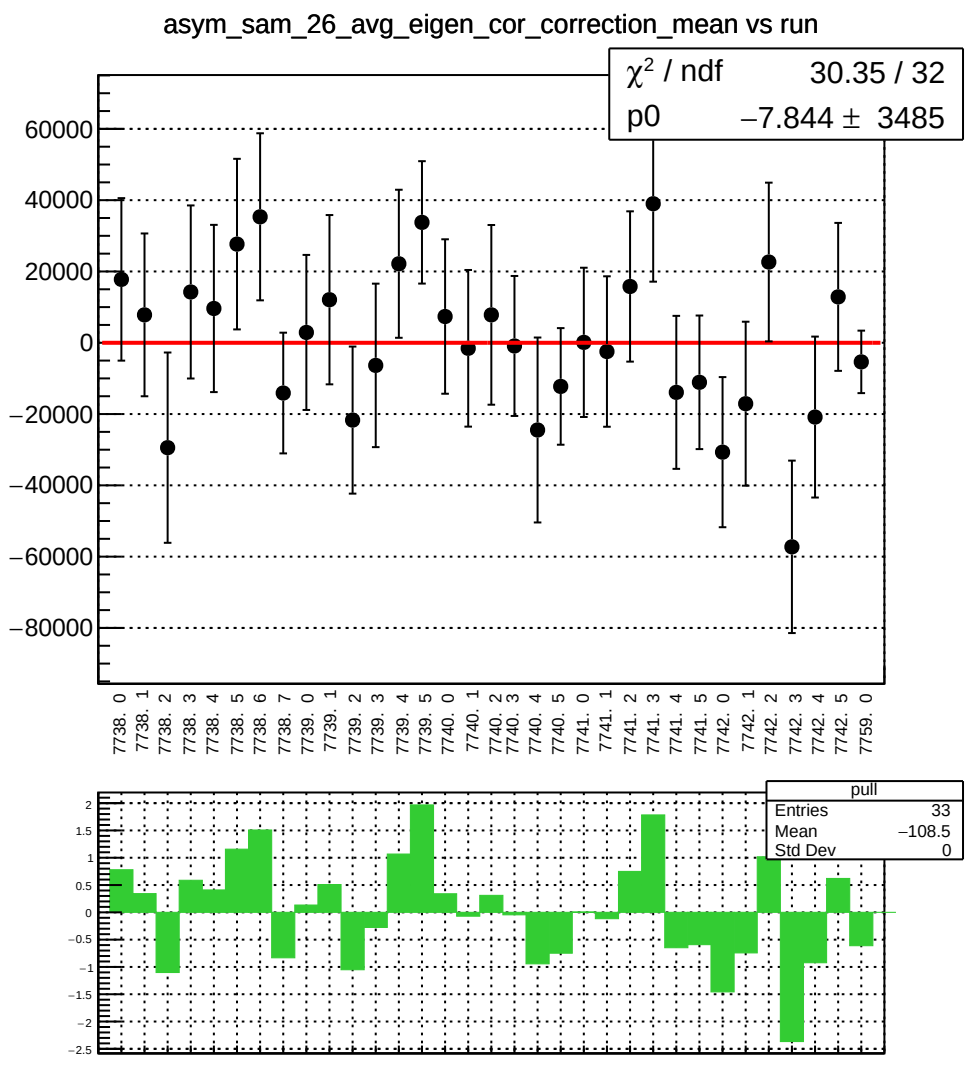

pull1D
Entries 33
Mean 0.02322
Std Dev 0.9587
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

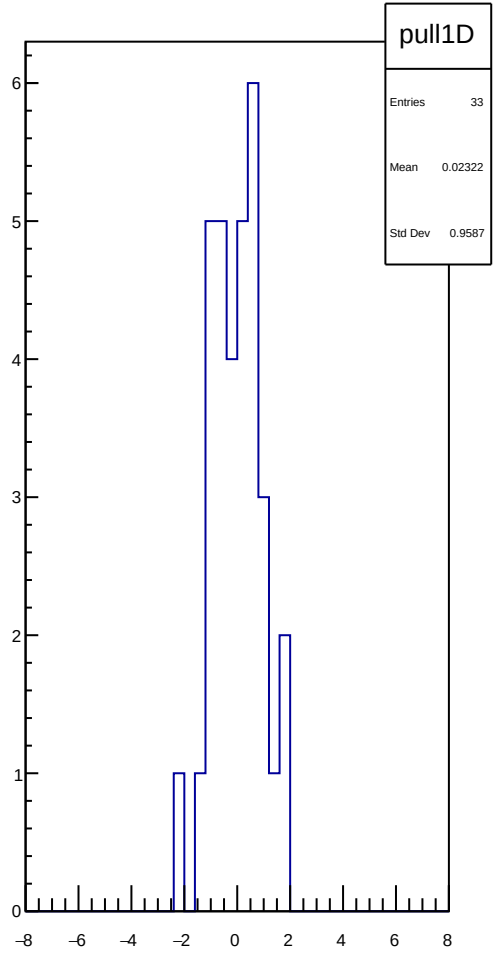

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 2.269e+04 / 32
p0 1972 ± 2.464
2600
2400
2200
2000
1800
1600
1400
1200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

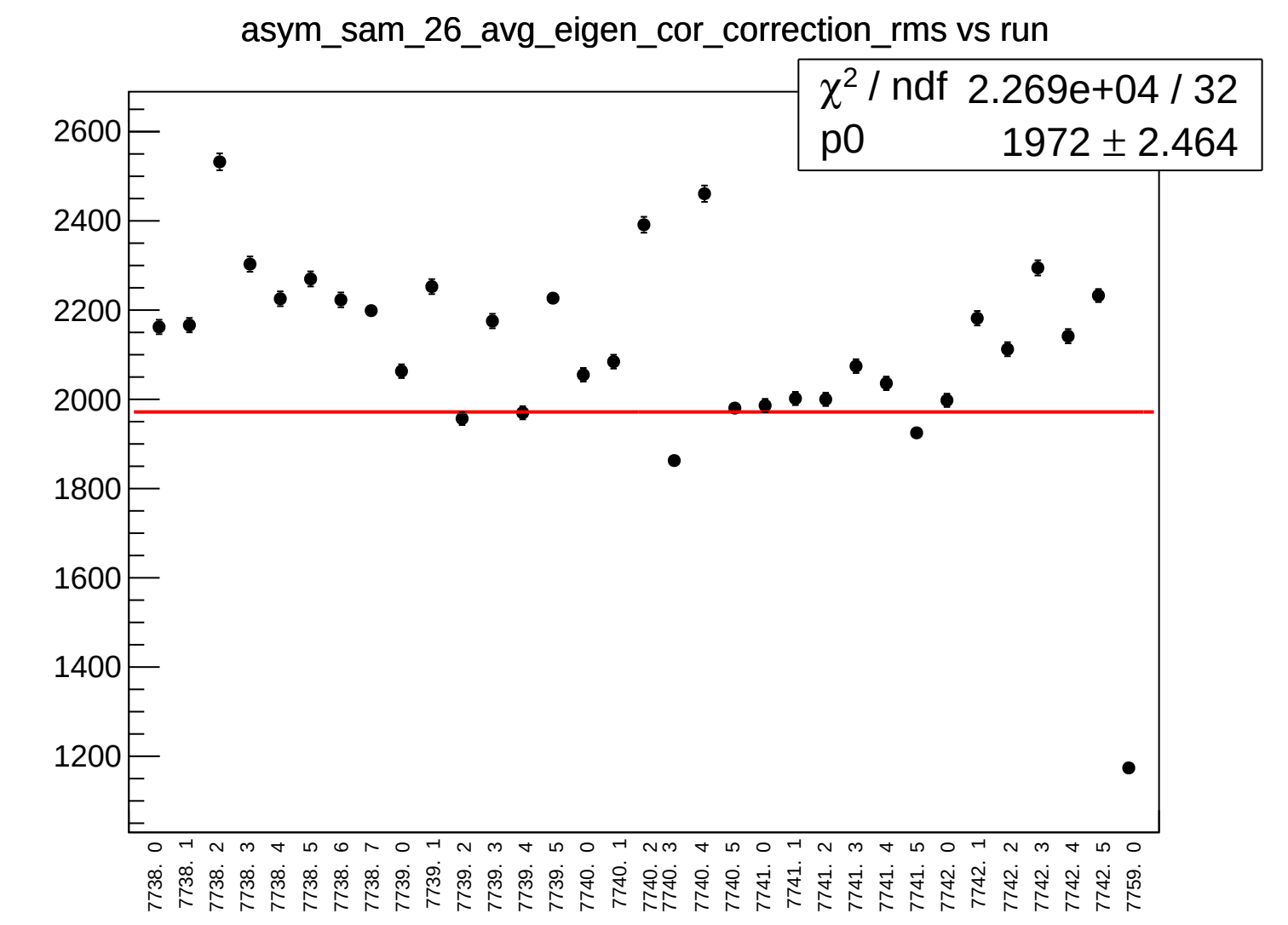

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 29.43 / 32
p0 608.1 ± 436.2
pull
Entries 33
Mean 5.903
Std Dev 29.3

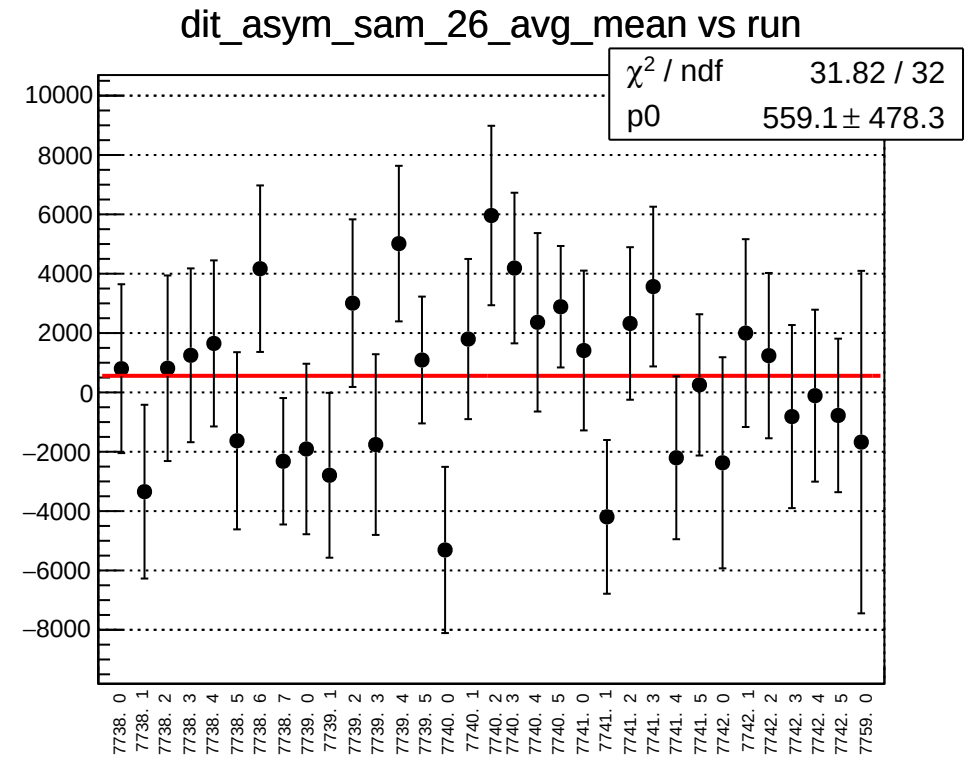

pull1D
Entries 33
Mean −0.01219
Std Dev 0.9443

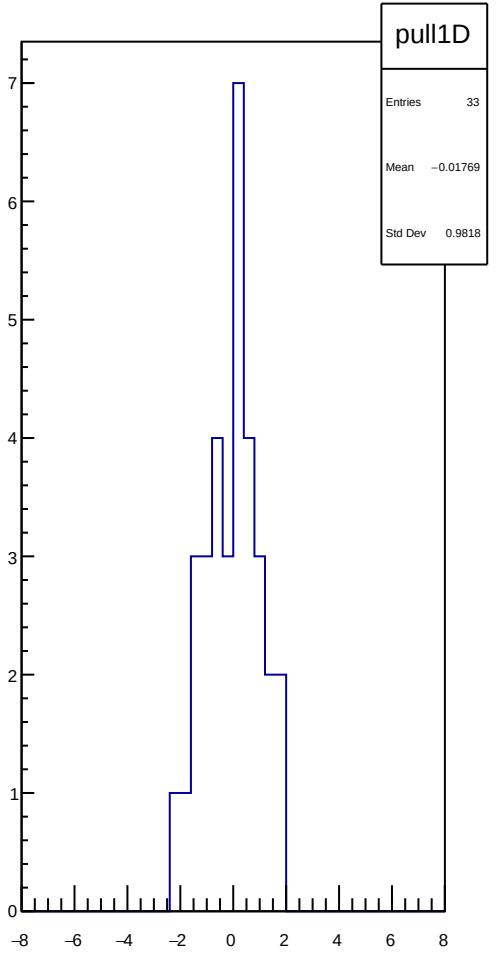

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 5438 / 32
p0 250.1 ± 0.3084
300
280
260
240
220
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

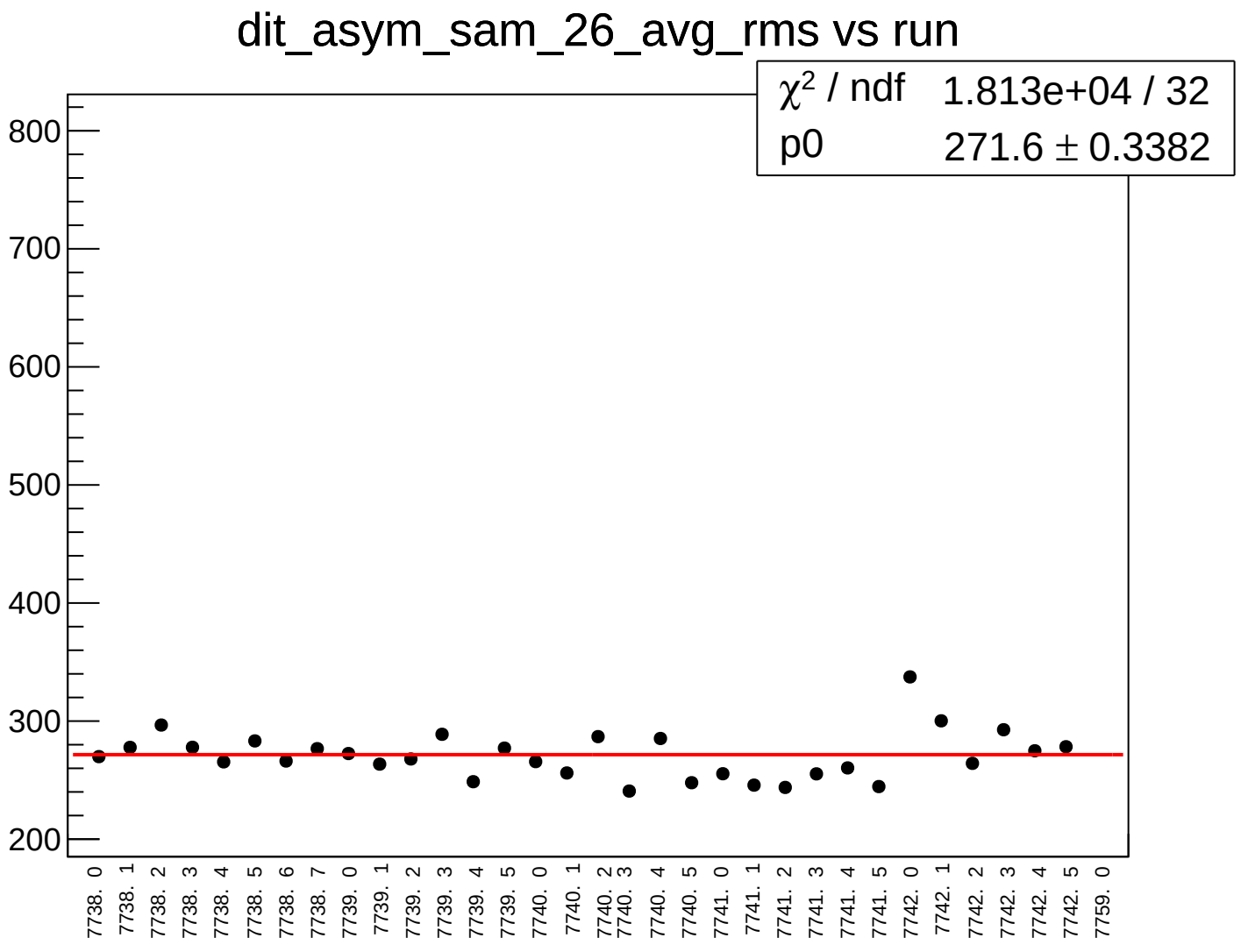

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 30.35 / 32
p0 −7.844 ± 3485
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −108.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

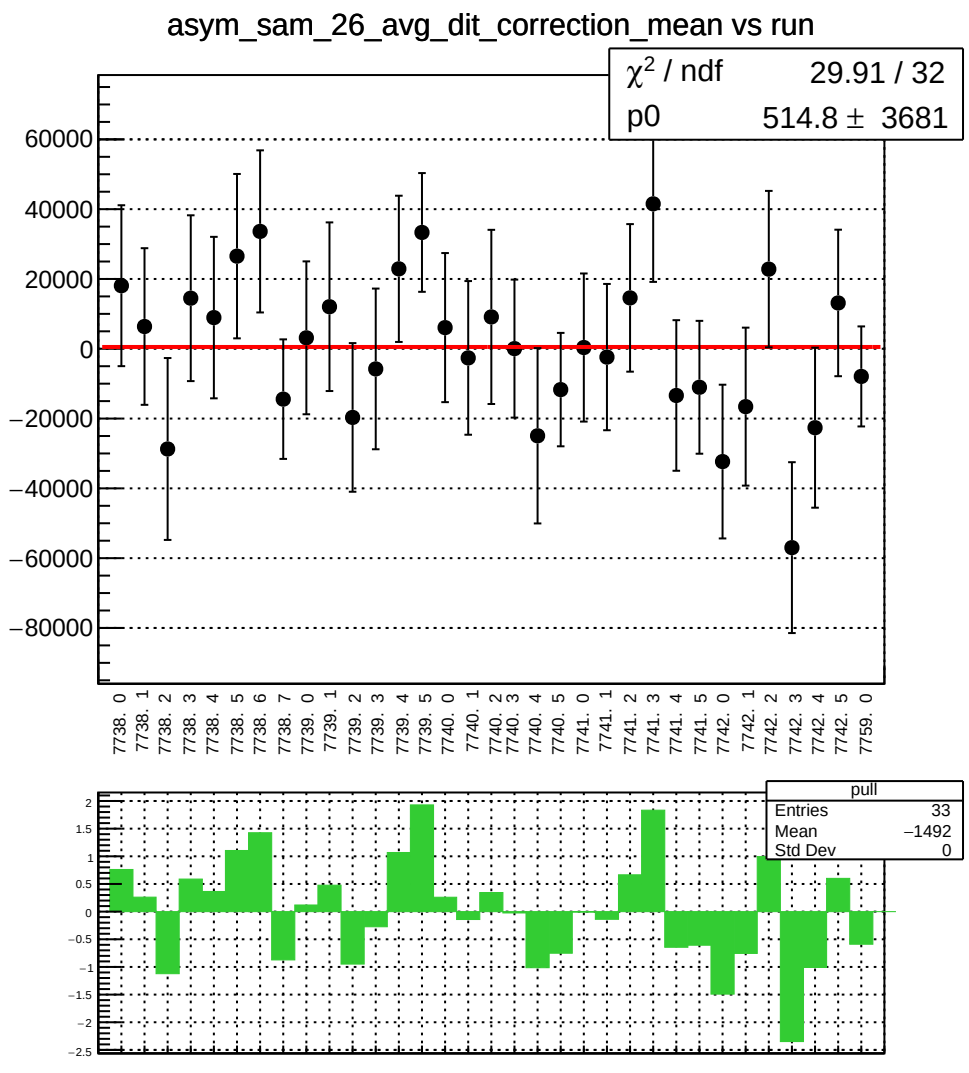

pull1D
Entries 33
Mean 0.02322
Std Dev 0.9587
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

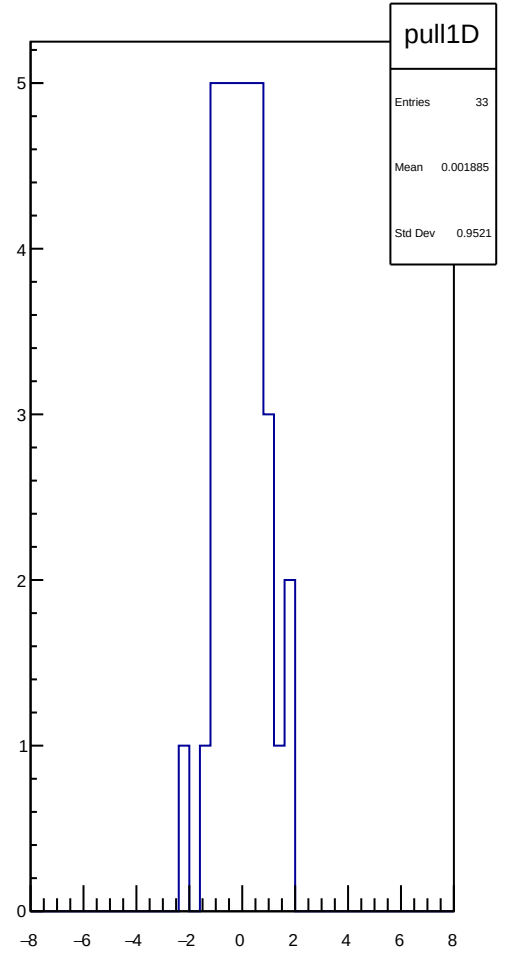

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.269e+04 / 32
p0 1972 ± 2.464
2600
2400
2200
2000
1800
1600
1400
1200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

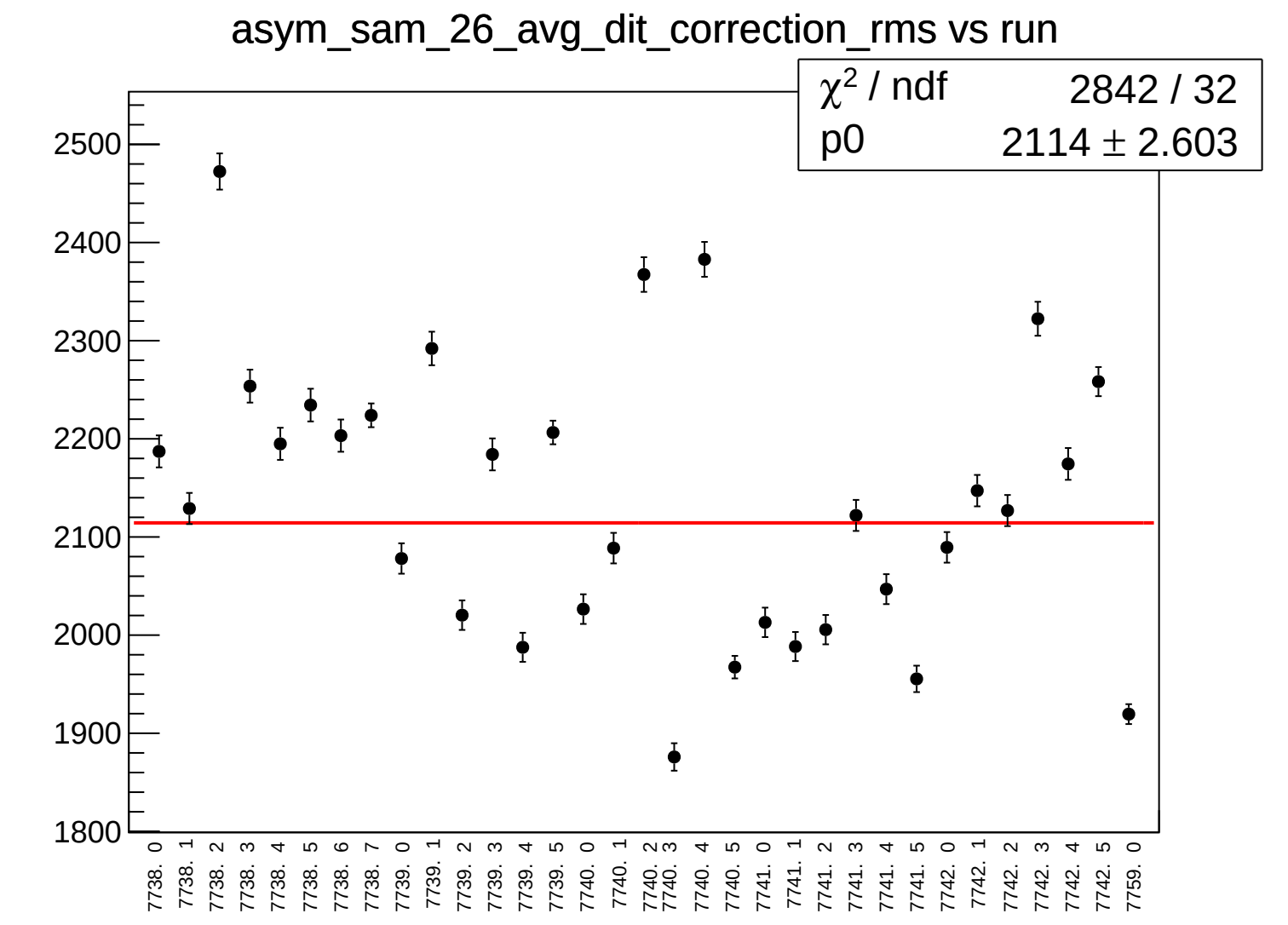

dit_asym_sam_26_avg_mean vs run
χ² / ndf 31.82 / 32
p0 559.1 ± 478.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.237
Std Dev 32.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2

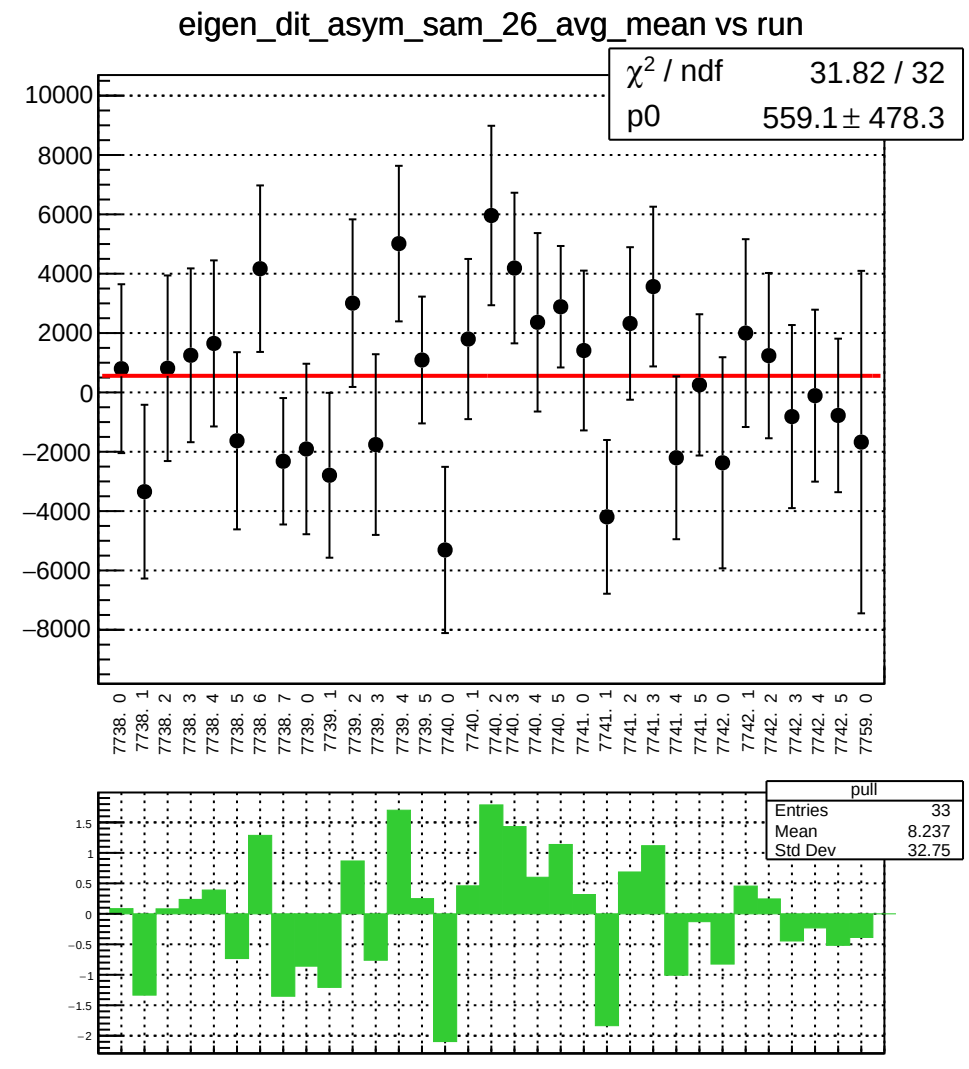

pull1D
Entries 33
Mean −0.01769
Std Dev 0.9818
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

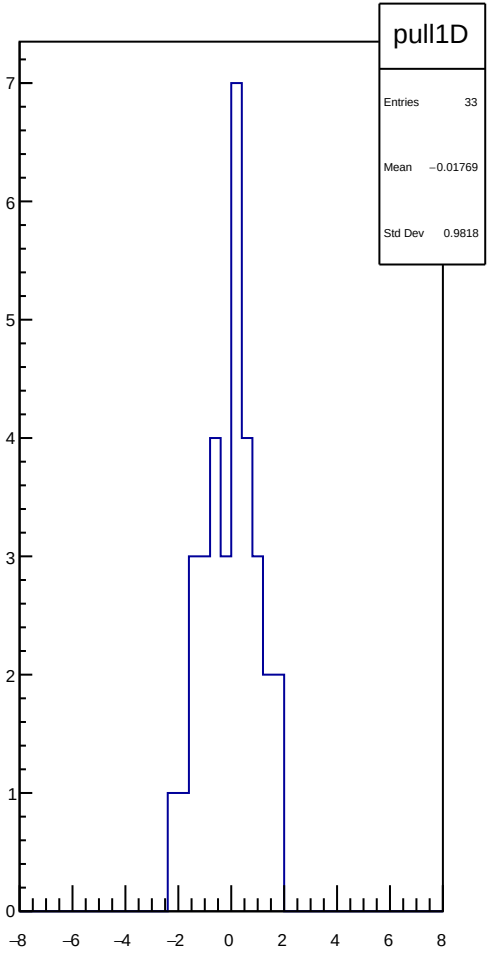

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.813e+04 / 32
p0 271.6 ± 0.3382
800
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

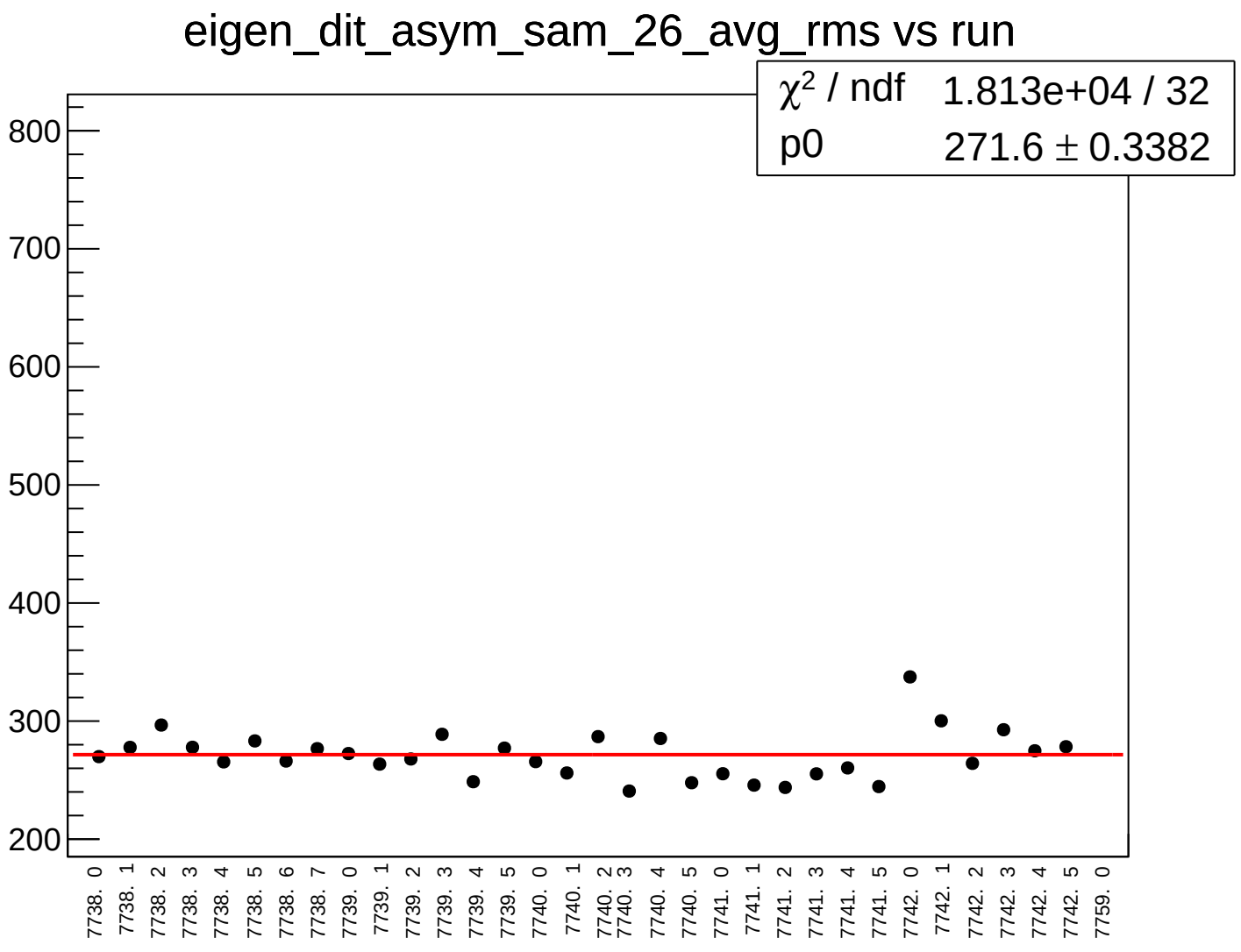

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 29.91 / 32
p0 514.8 ± 3681
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1492
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

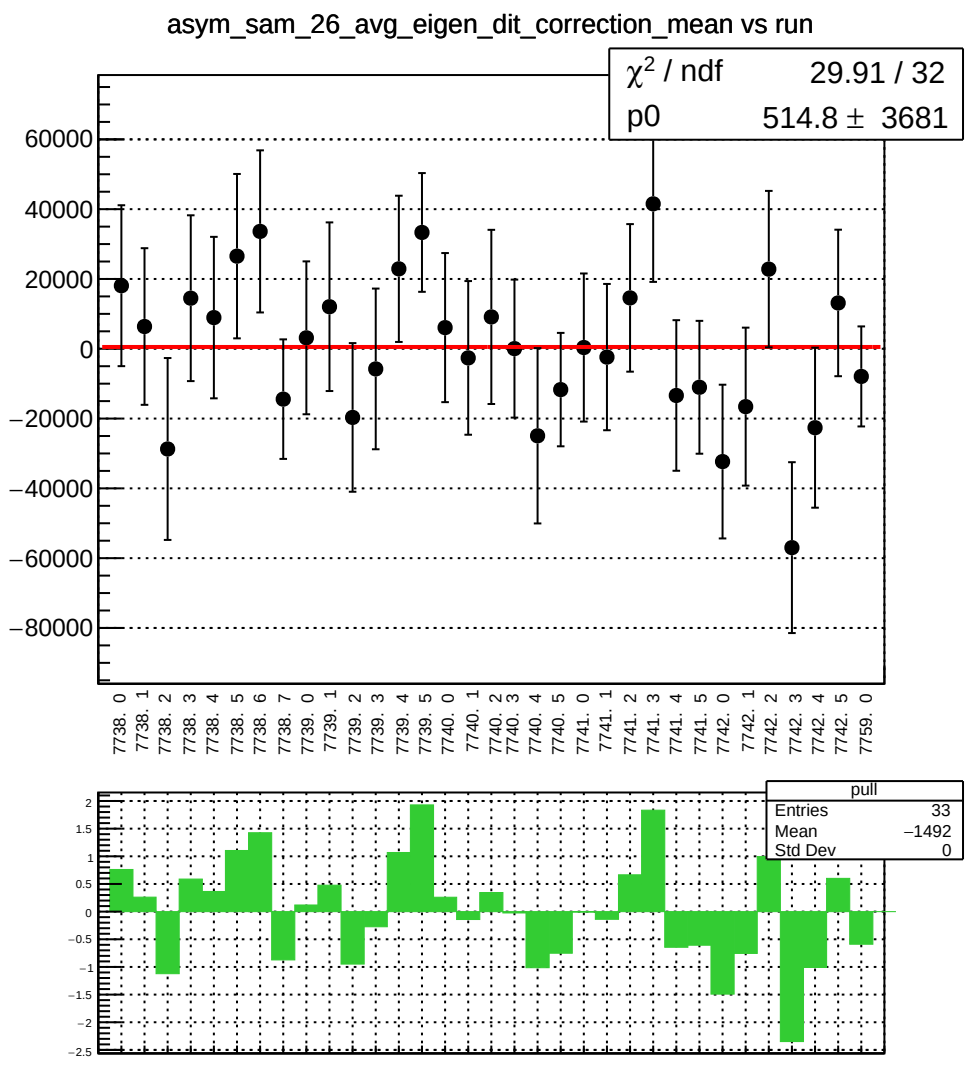

pull1D
Entries 33
Mean 0.001885
Std Dev 0.9521
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

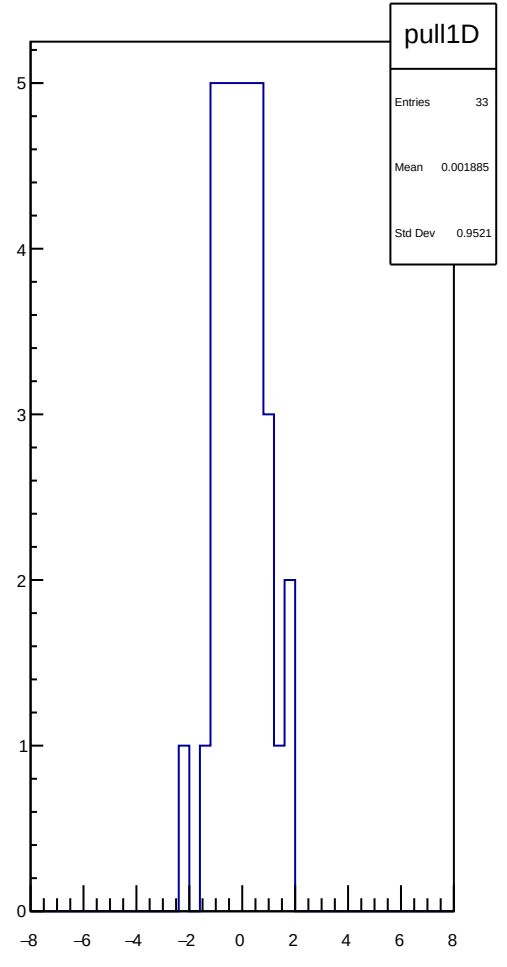

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 2842 / 32
p0 2114 ± 2.603
2500
2400
2300
2200
2100
2000
1900
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

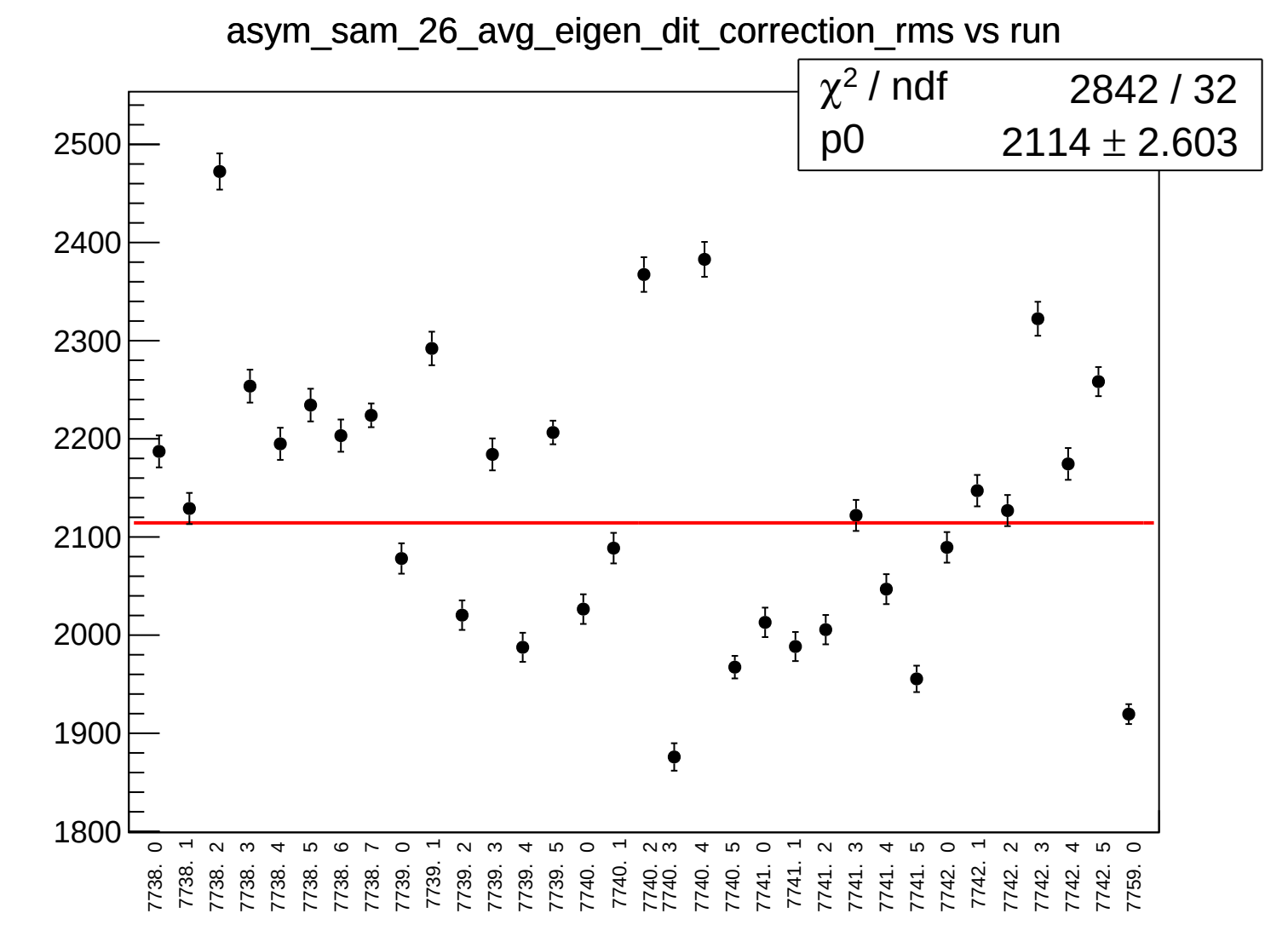

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 31.82 / 32
p0 559.1 ± 478.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.237
Std Dev 32.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2

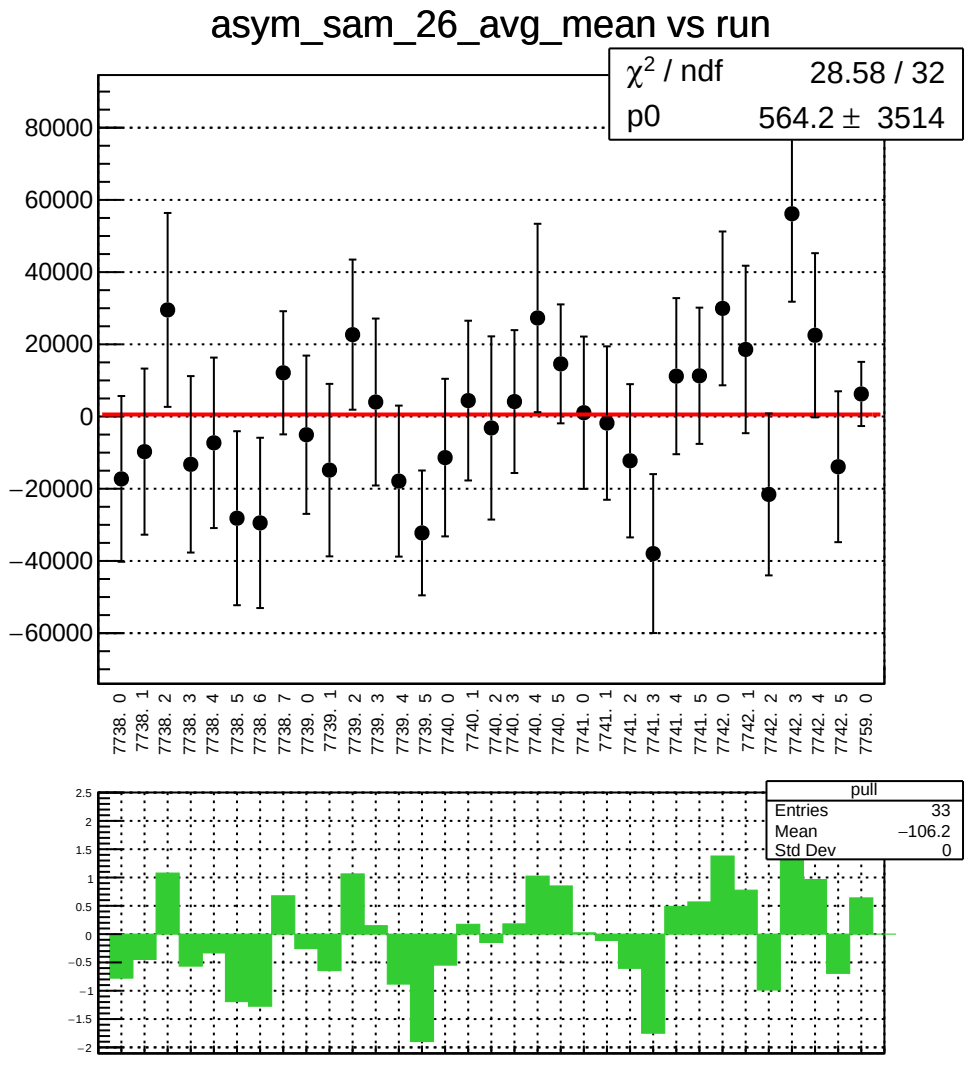

pull1D
Entries 33
Mean −0.01769
Std Dev 0.9818
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

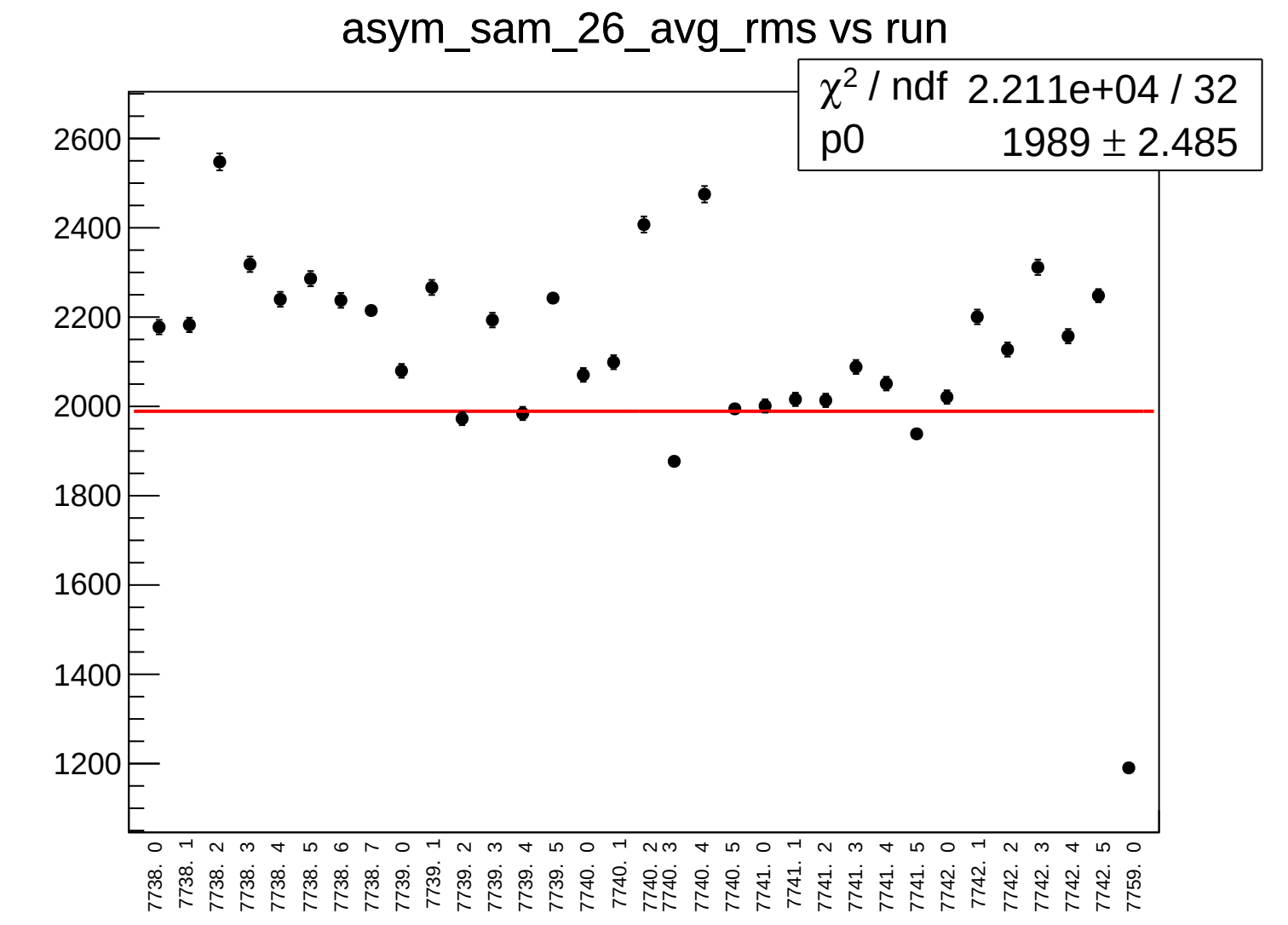

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.813e+04 / 32
p0 271.6 ± 0.3382
800
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

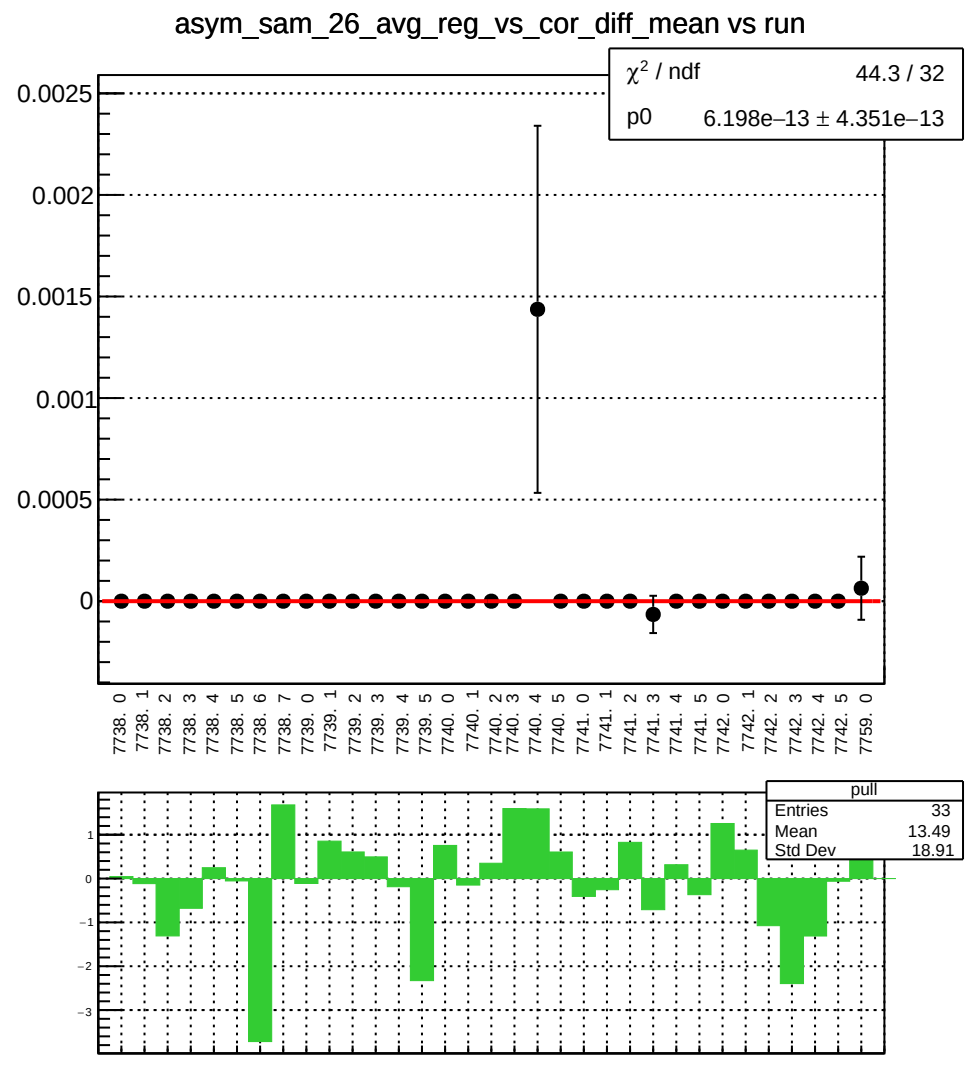

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 29.91 / 32
p0 514.8 ± 3681
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1492
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

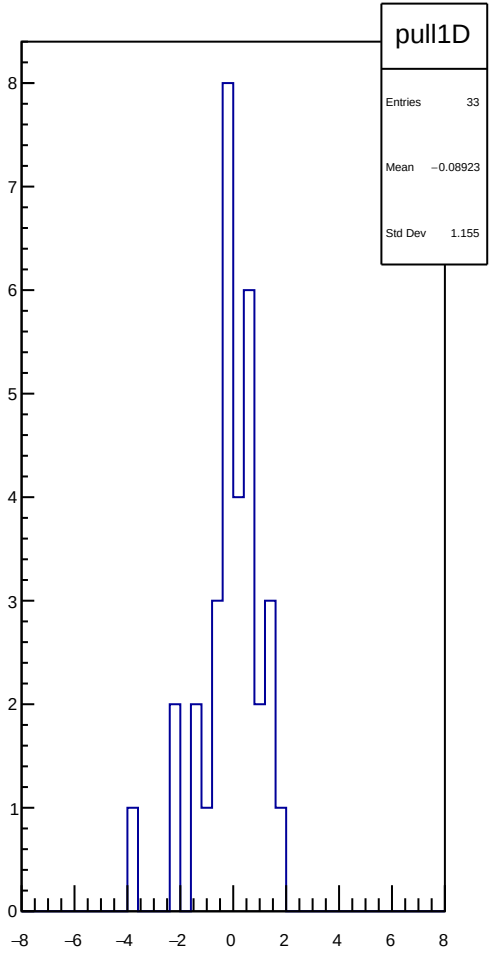

pull1D
Entries 33
Mean 0.001885
Std Dev 0.9521
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

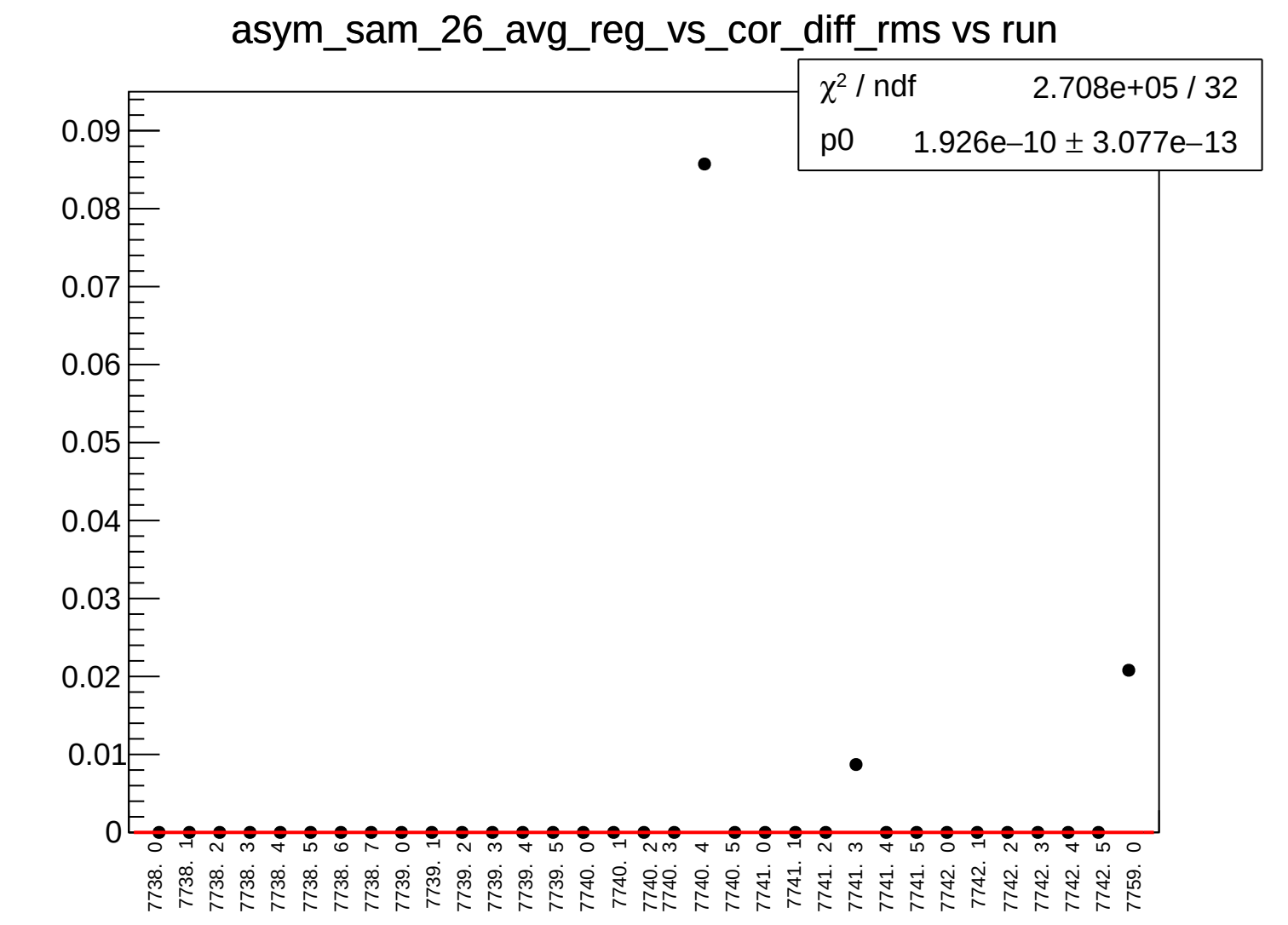

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 2842 / 32
p0 2114 ± 2.603
2500
2400
2300
2200
2100
2000
1900
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

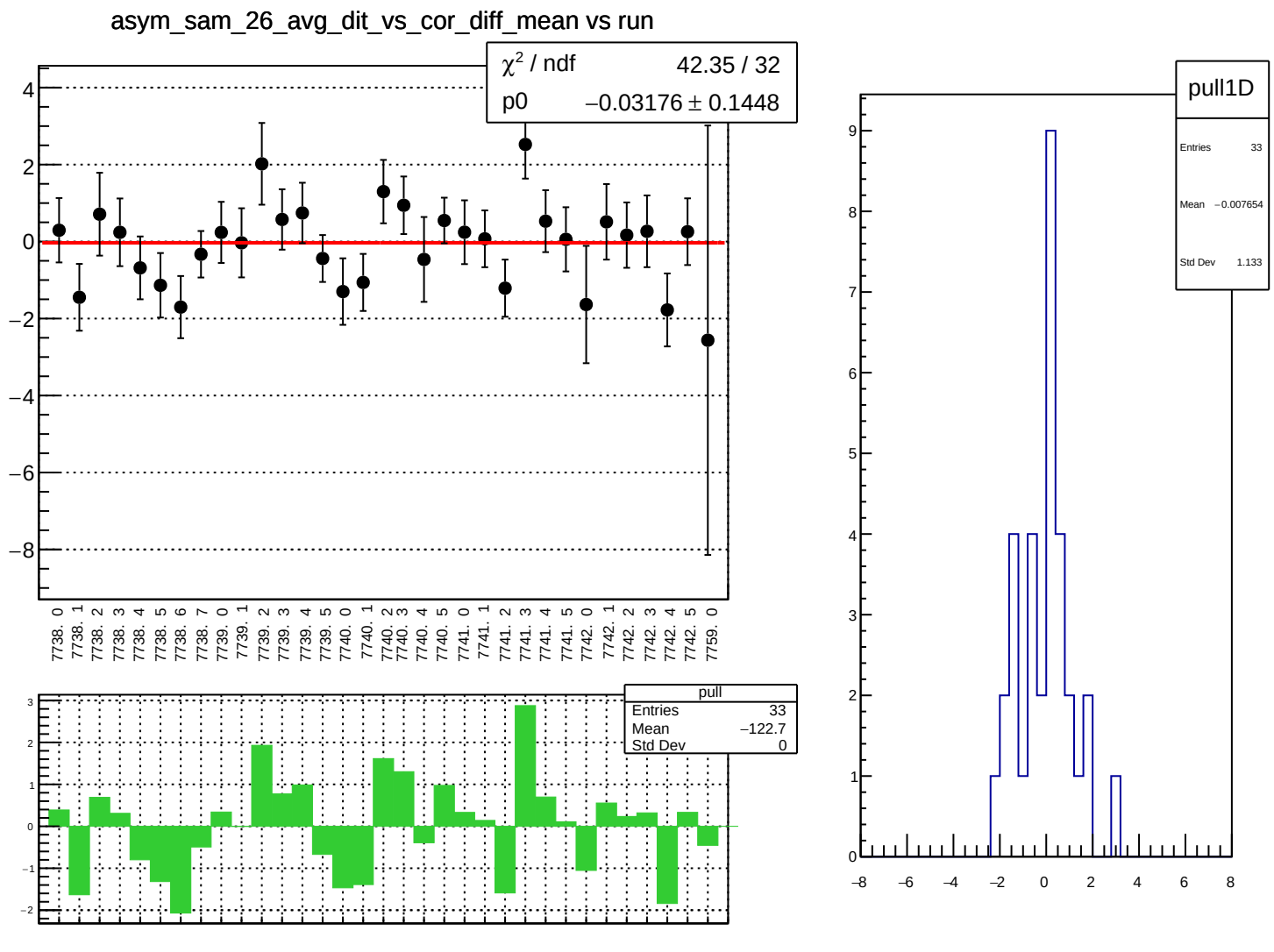

asym_sam_26_avg_mean vs run
χ² / ndf 28.58 / 32
p0 564.2 ± 3514
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −106.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02364
Std Dev 0.9304
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

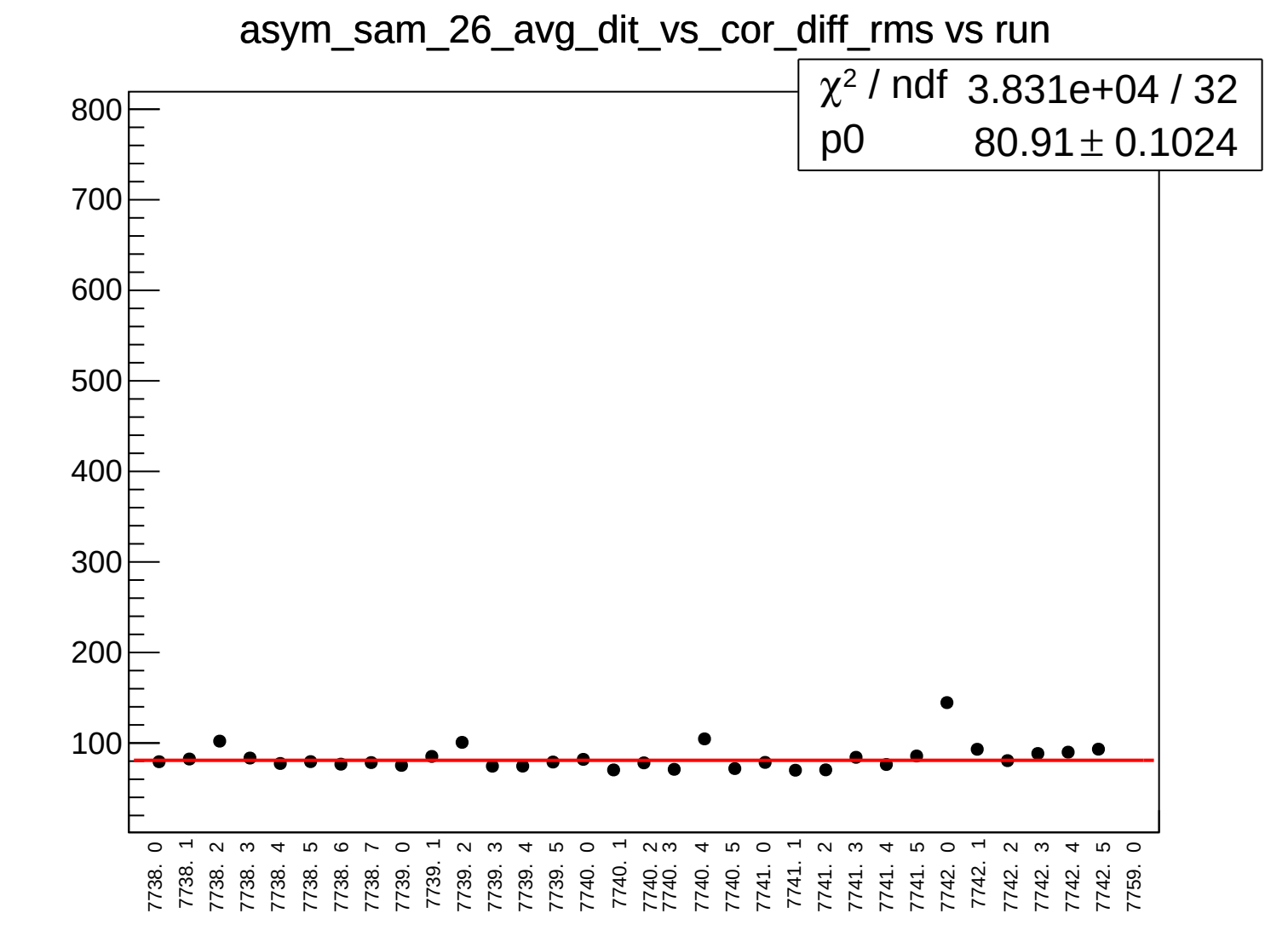

asym_sam_26_avg_rms vs run
χ² / ndf 2.211e+04 / 32
p0 1989 ± 2.485
2600
2400
2200
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

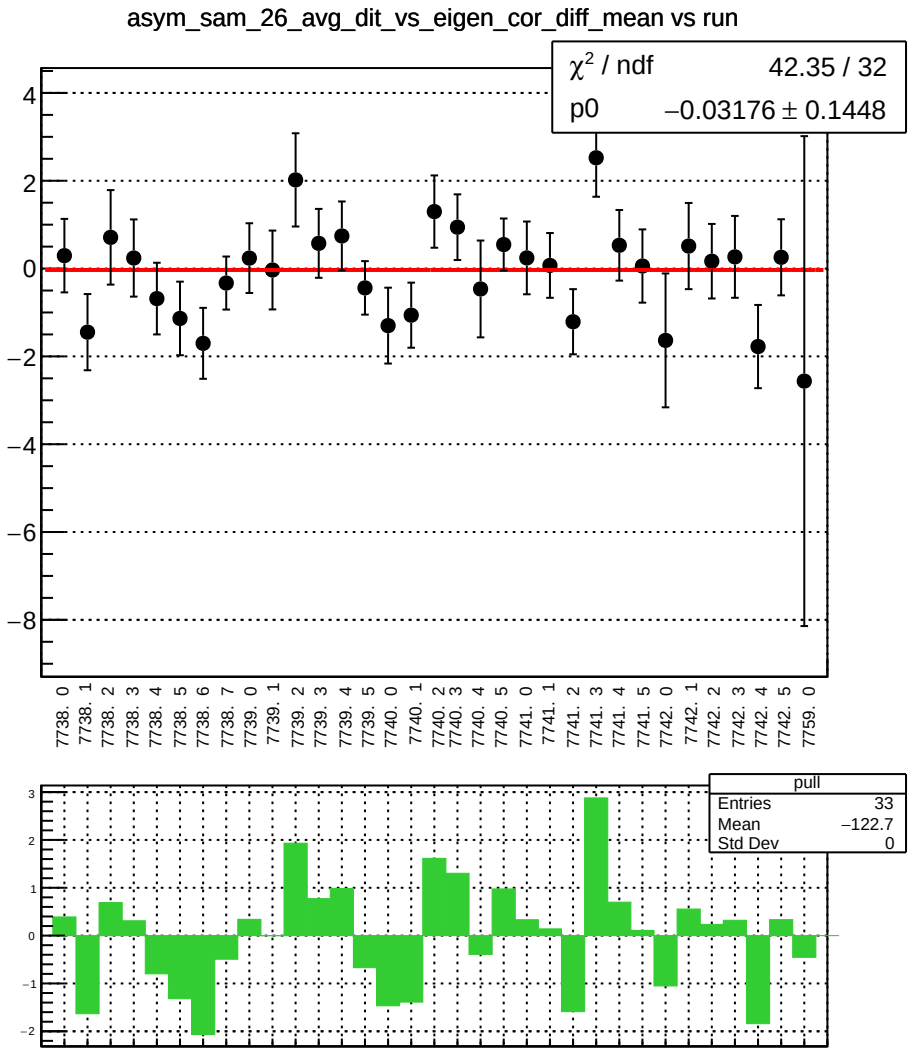

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 44.3 / 32
p0 6.198e−13 ± 4.351e−13
0.0025
0.002
0.0015
0.001
0.0005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.49
Std Dev 18.91
1
0
−1
−2
−3

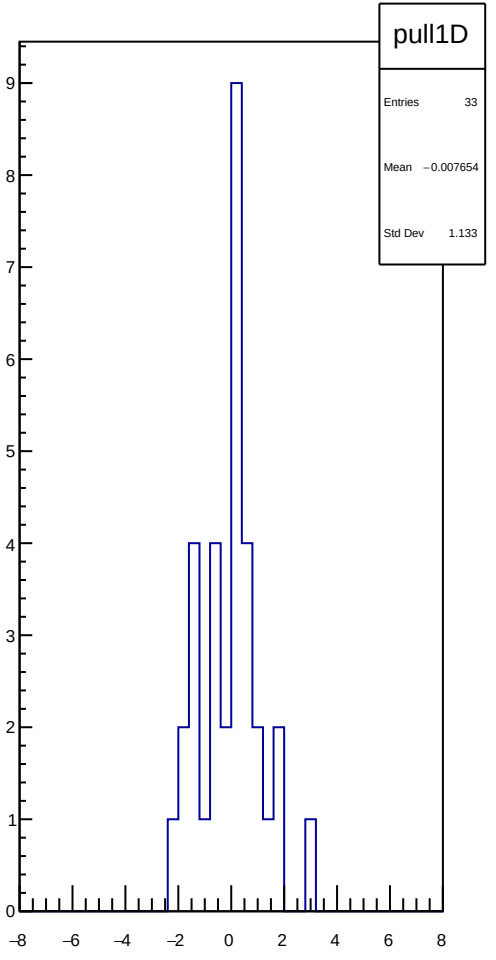

pull1D
Entries 33
Mean −0.08923
Std Dev 1.155
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

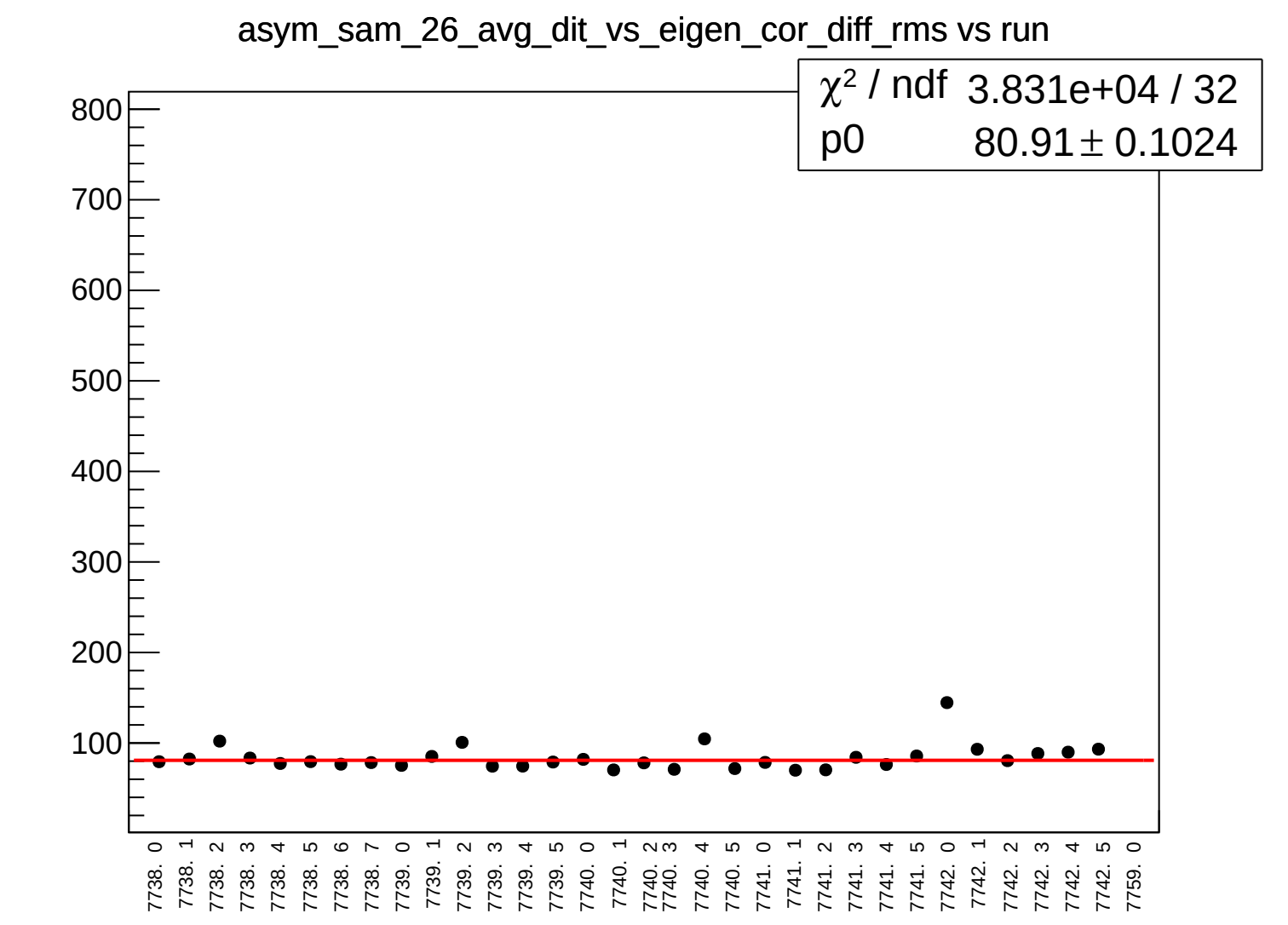

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.708e+05 / 32
p0 1.926e−10 ± 3.077e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

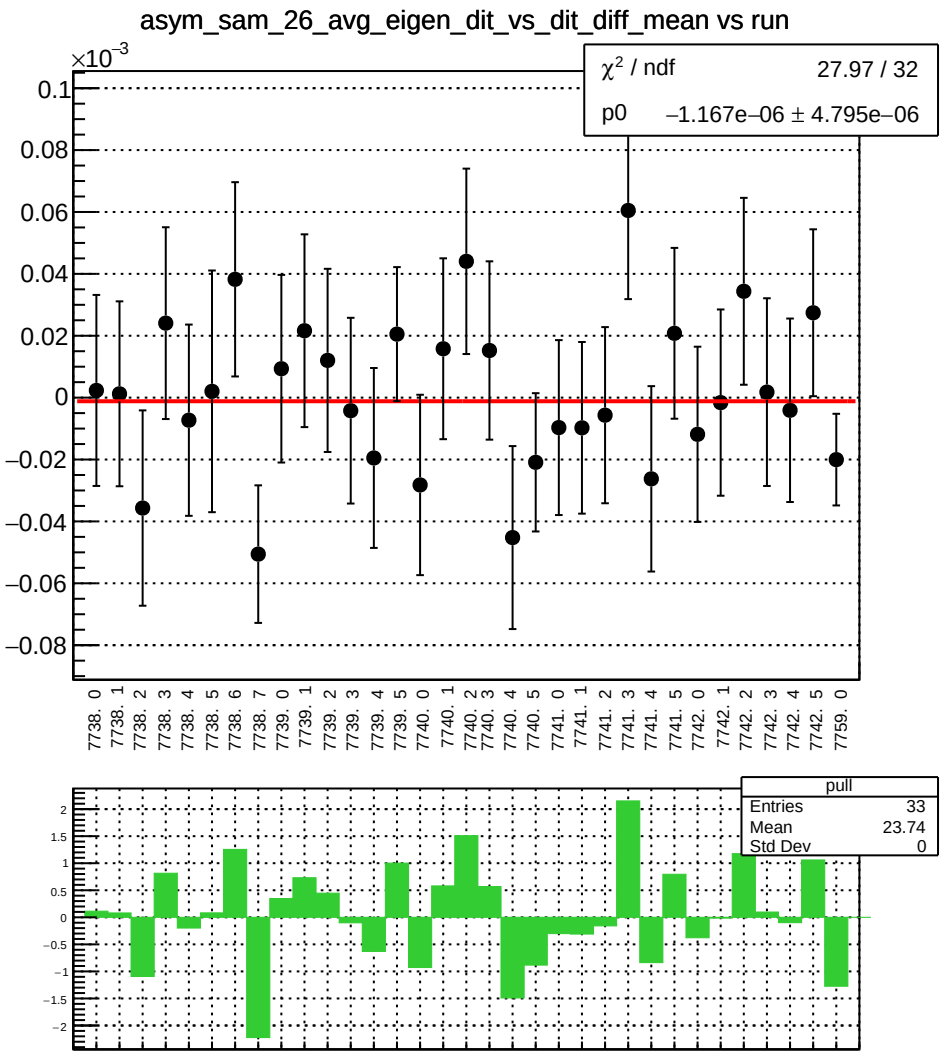

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.35 / 32
p0 −0.03176 ± 0.1448
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.007654
Std Dev 1.133
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

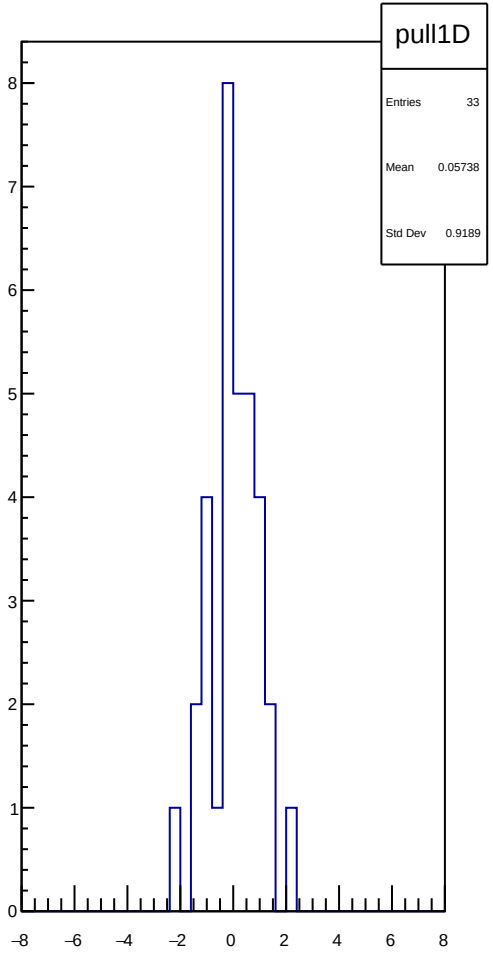

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.831e+04 / 32
p0 80.91 ± 0.1024
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

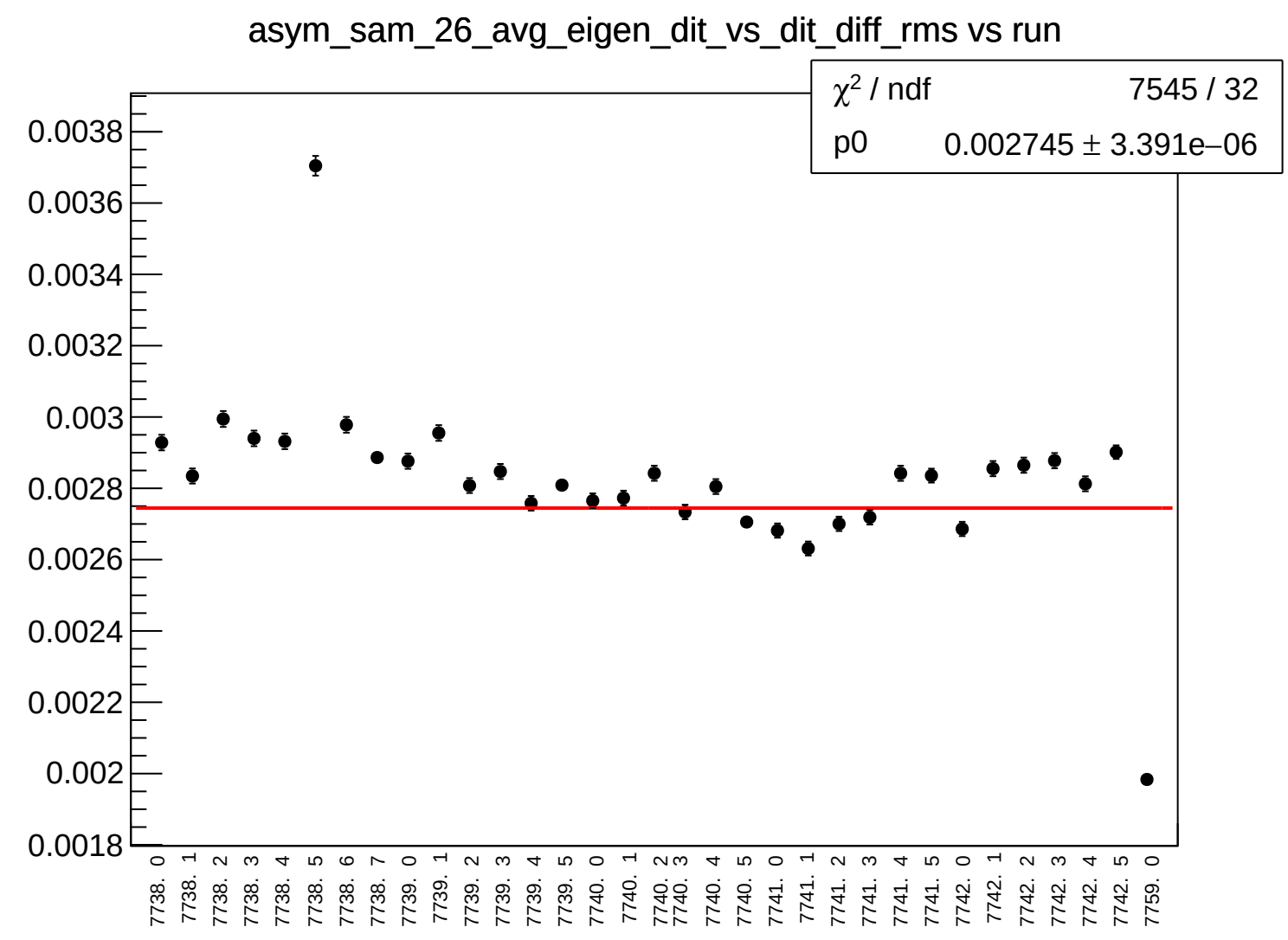

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.35 / 32
p0 −0.03176 ± 0.1448
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.7
Std Dev 0
3
2
1
0
−1
−2

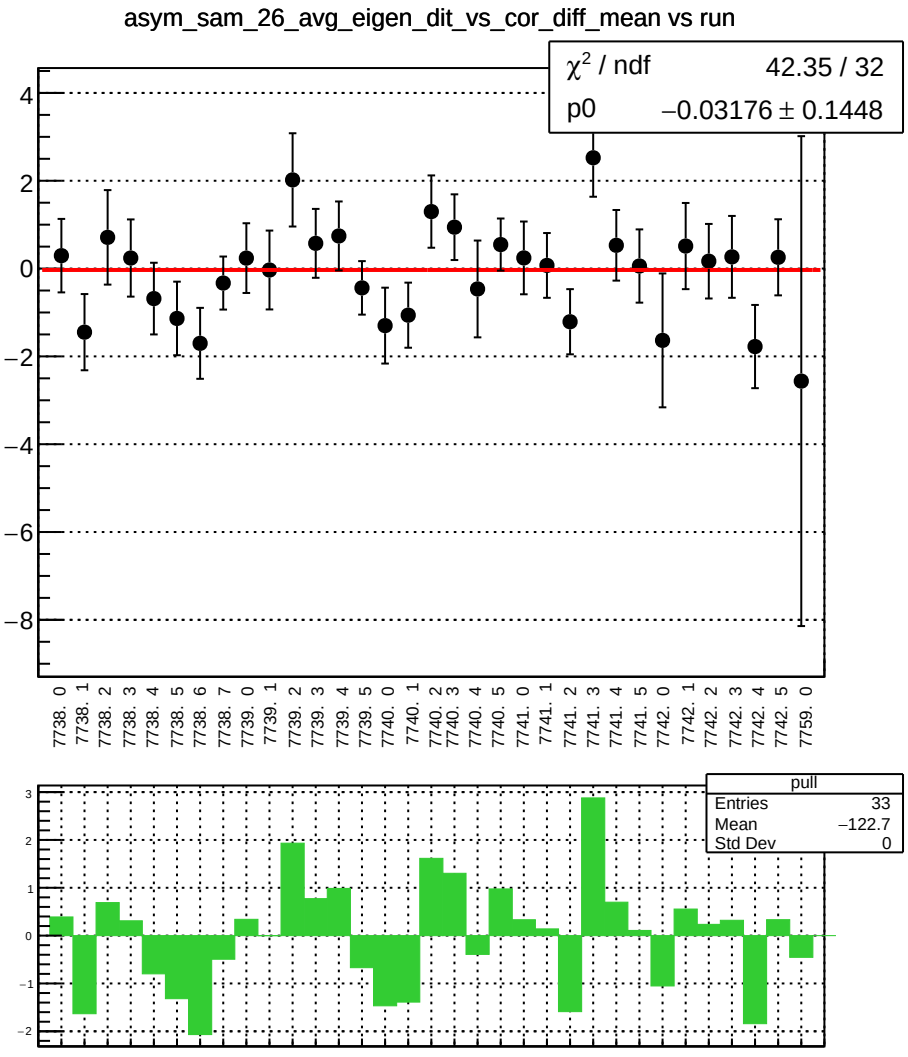

pull1D
Entries 33
Mean −0.007654
Std Dev 1.133
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

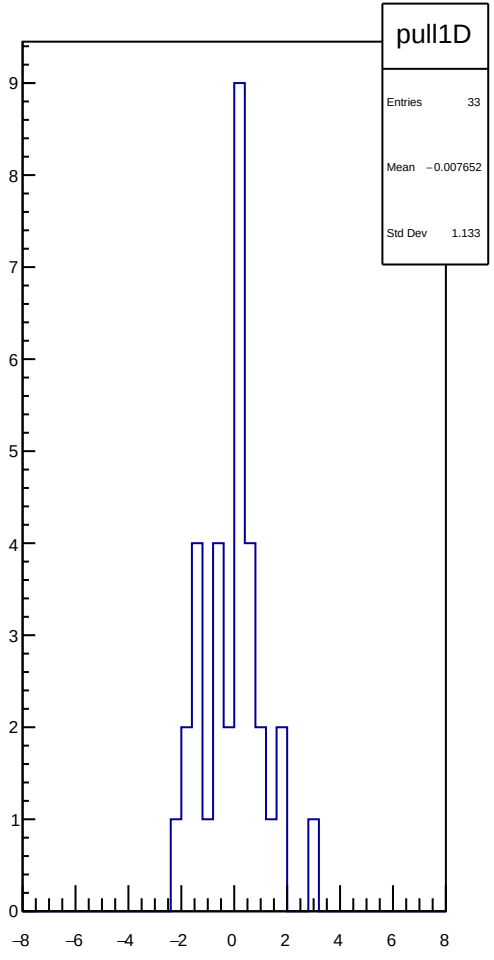

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.831e+04 / 32
p0 80.91 ± 0.1024
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

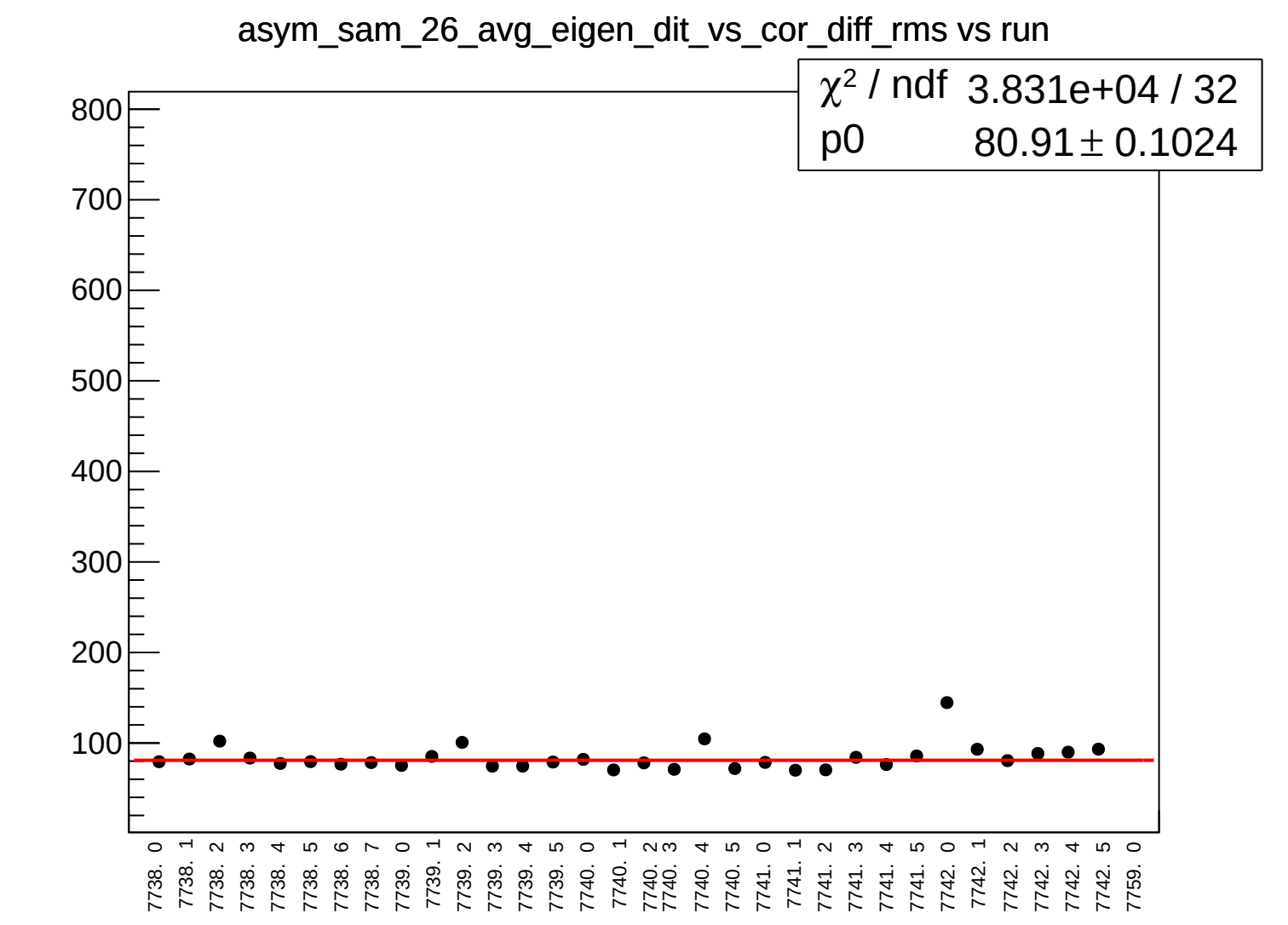

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.97 / 32
p0 −1.167e−06 ± 4.795e−06
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 23.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

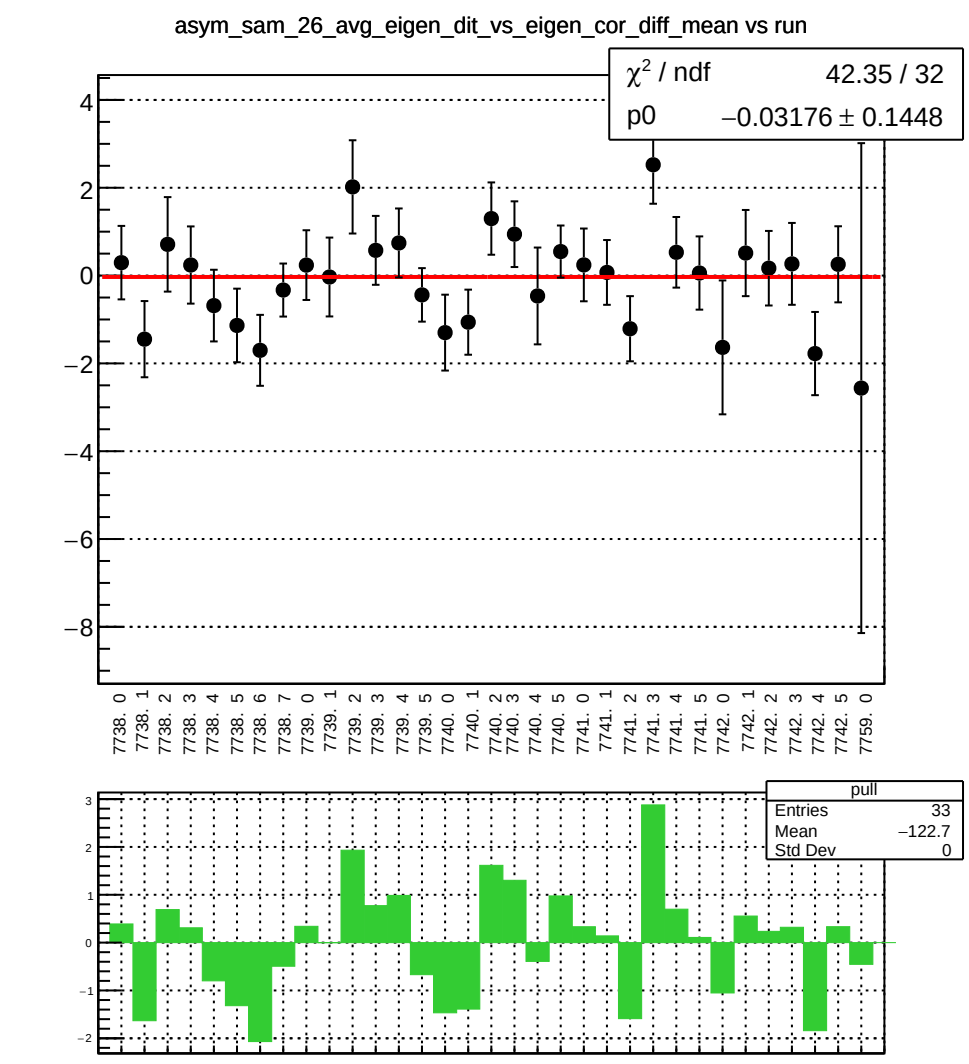

pull1D
Entries 33
Mean 0.05738
Std Dev 0.9189
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

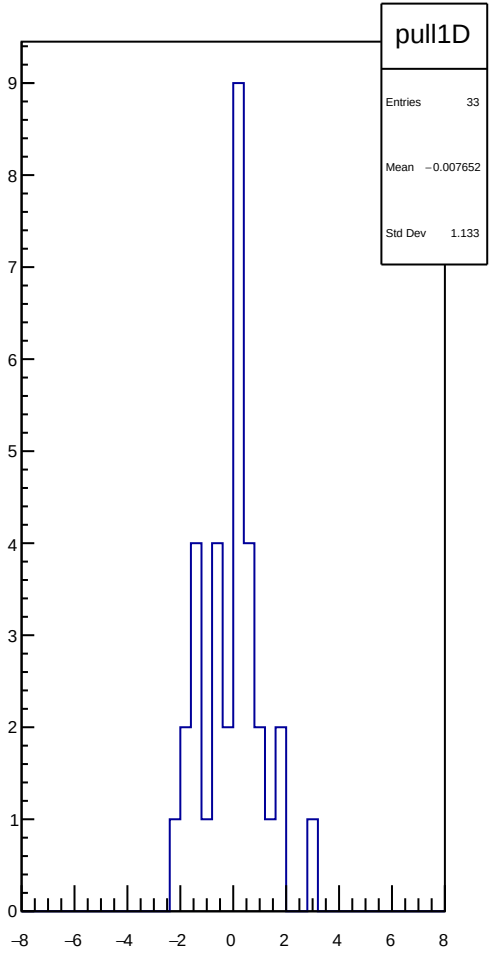

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7545 / 32
p0 0.002745 ± 3.391e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

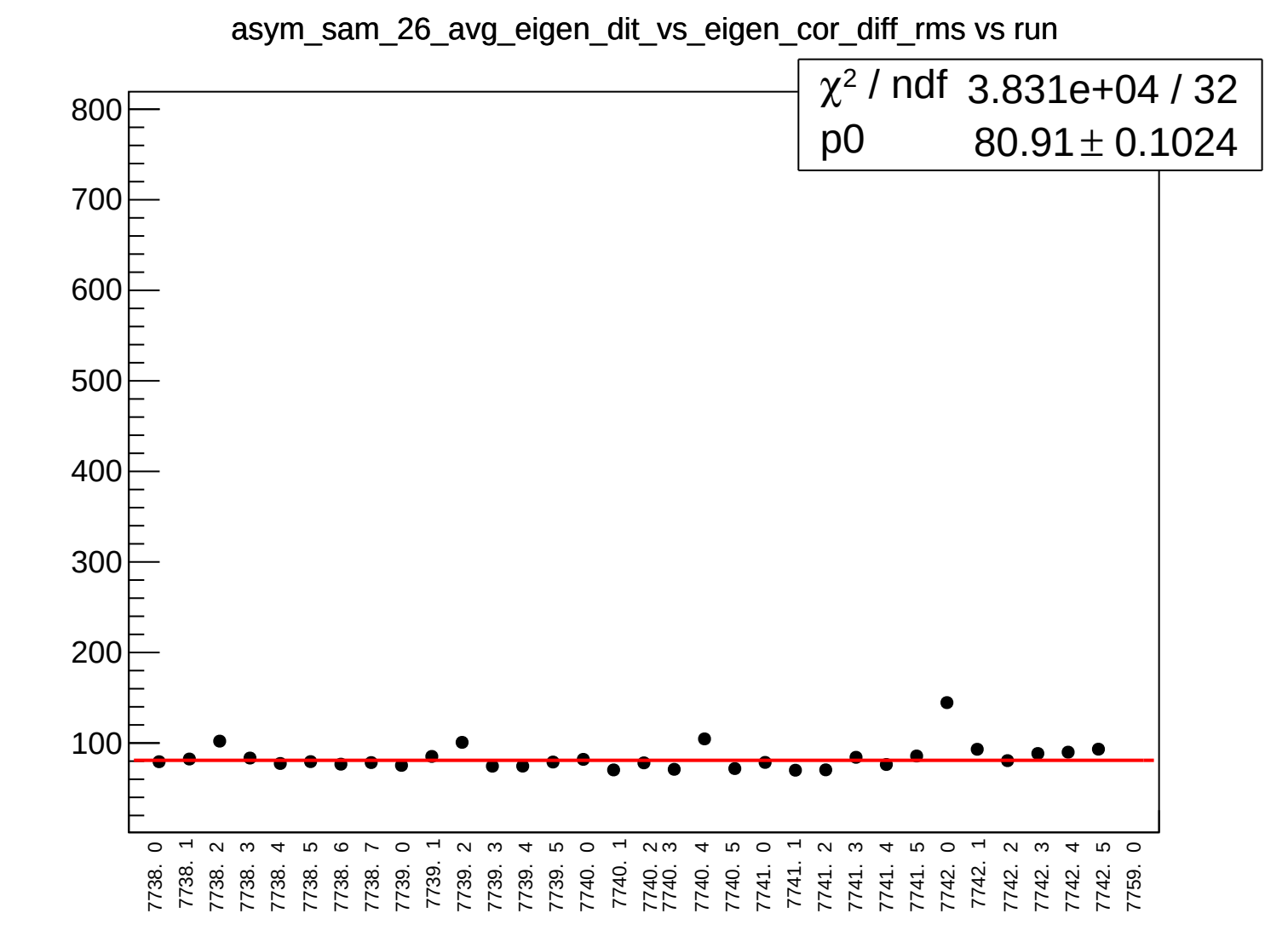

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.35 / 32
p0 −0.03176 ± 0.1448
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.7
Std Dev 0
3
2
1
0
−1
−2

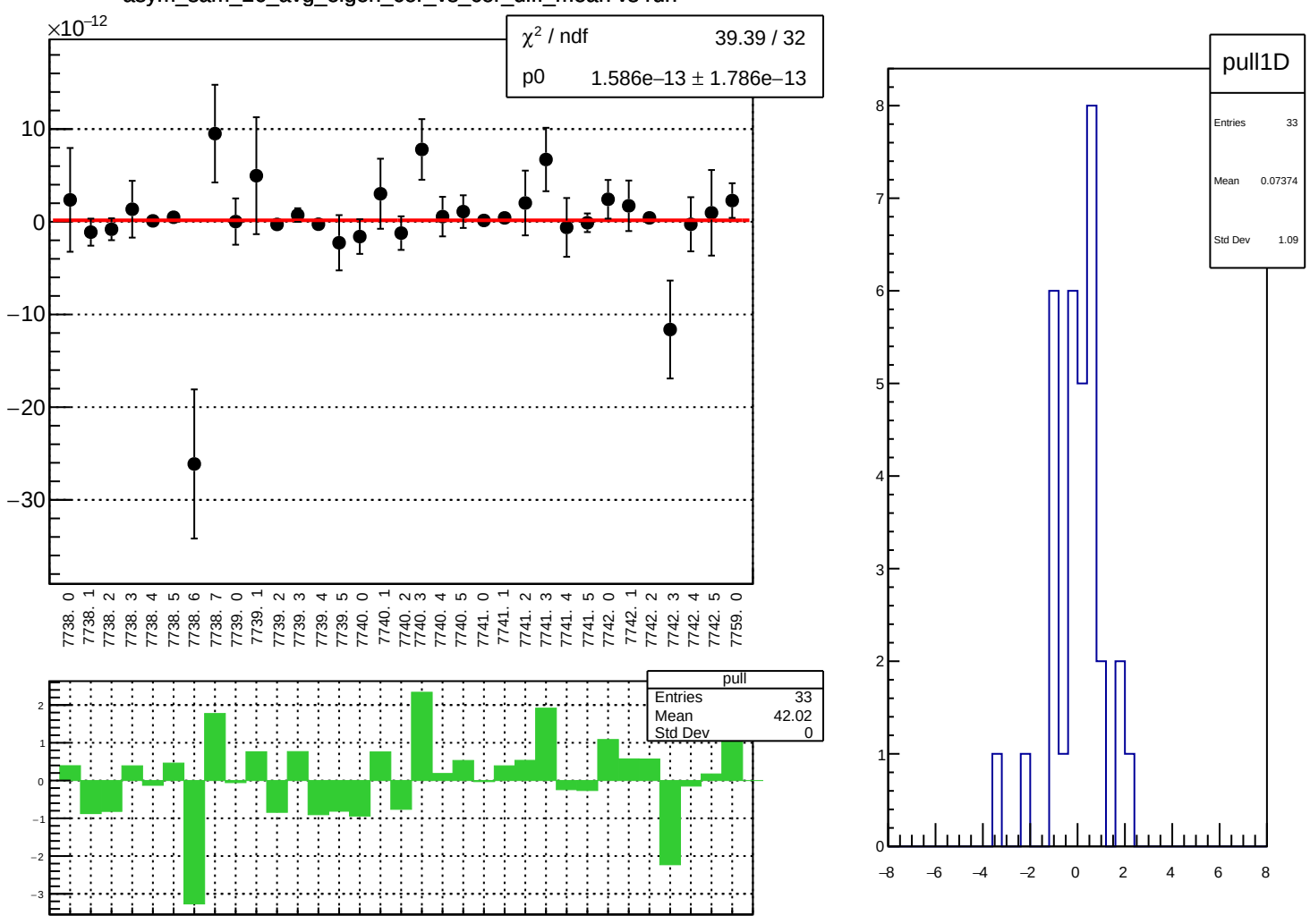

pull1D
Entries 33
Mean −0.007652
Std Dev 1.133
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

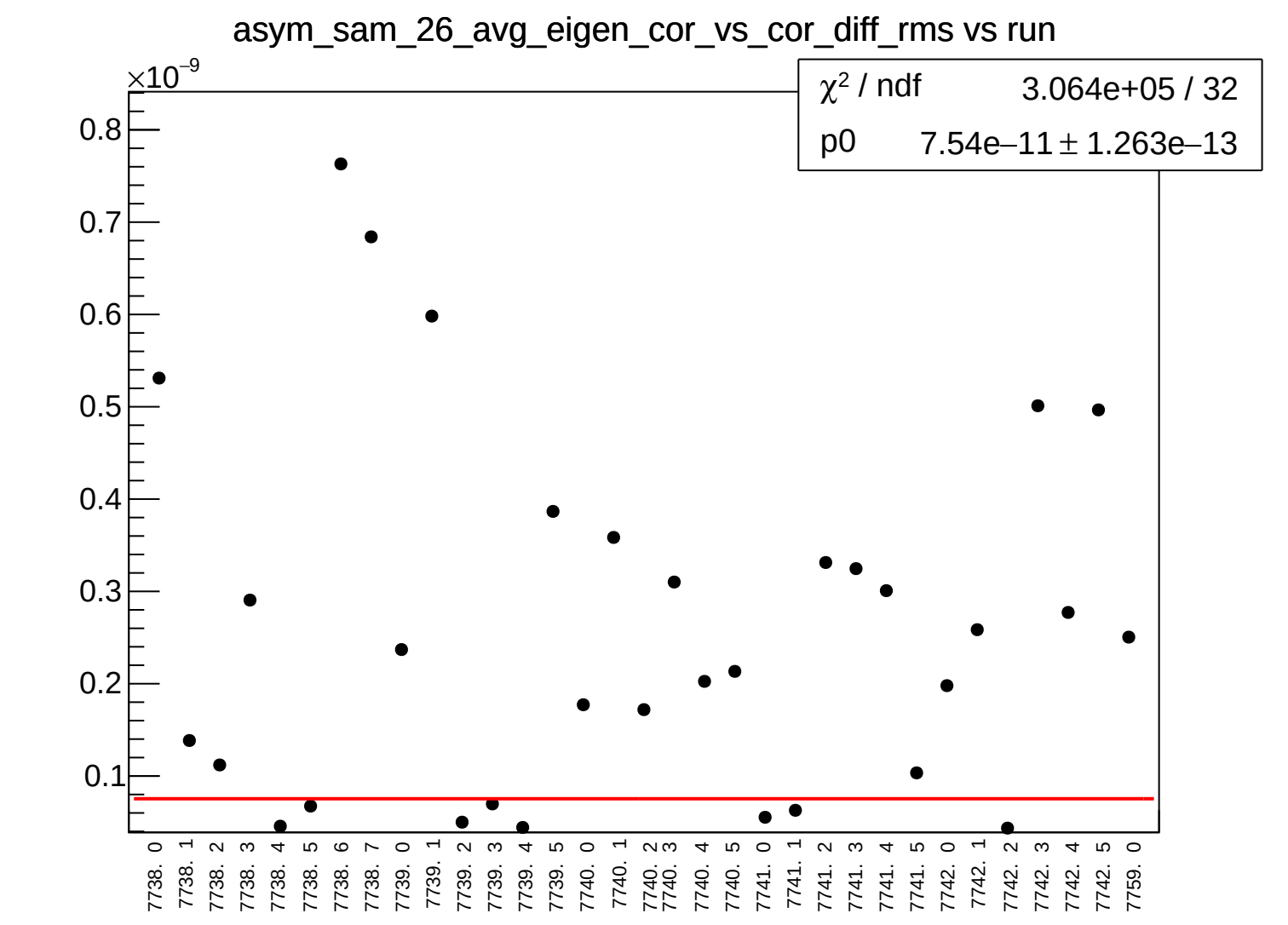

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.831e+04 / 32
p0 80.91 ± 0.1024
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

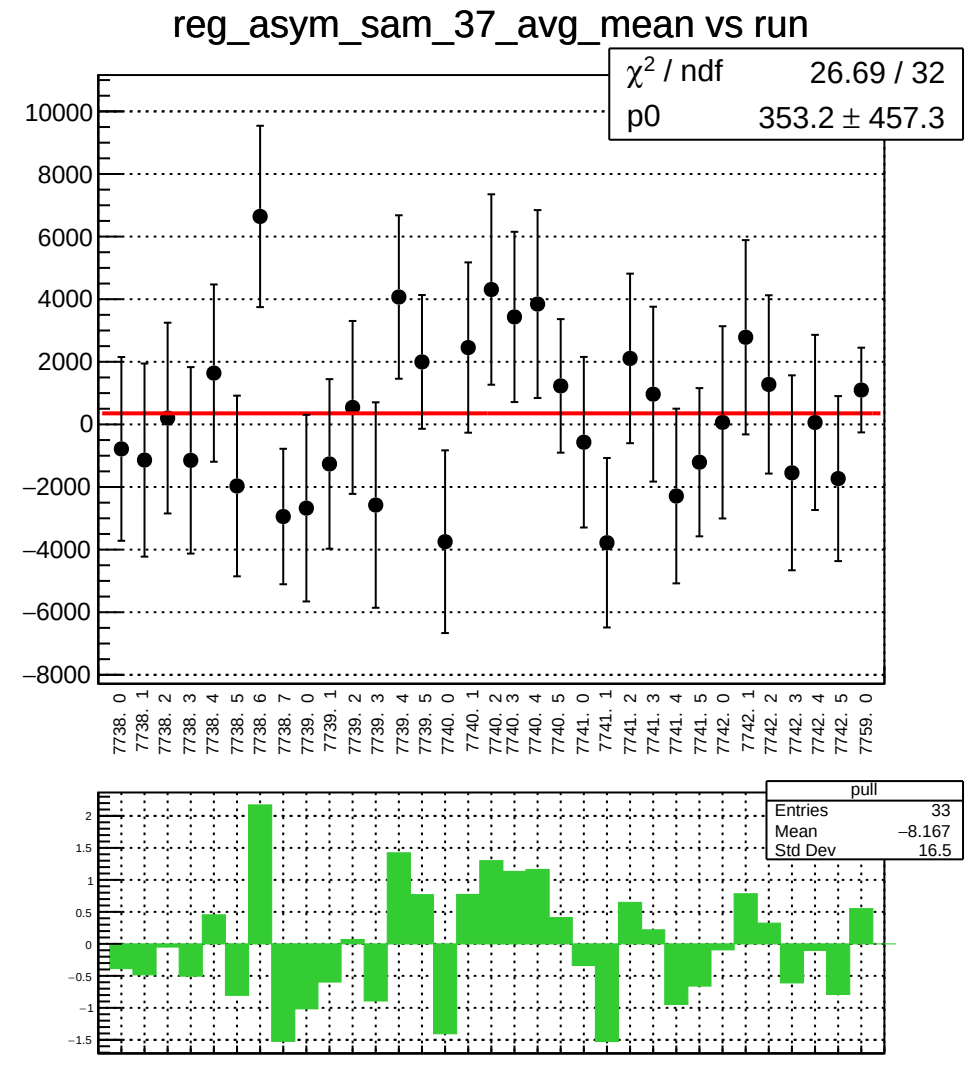

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.35 / 32
p0 −0.03176 ± 0.1448
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.7
Std Dev 0
3
2
1
0
−1
−2

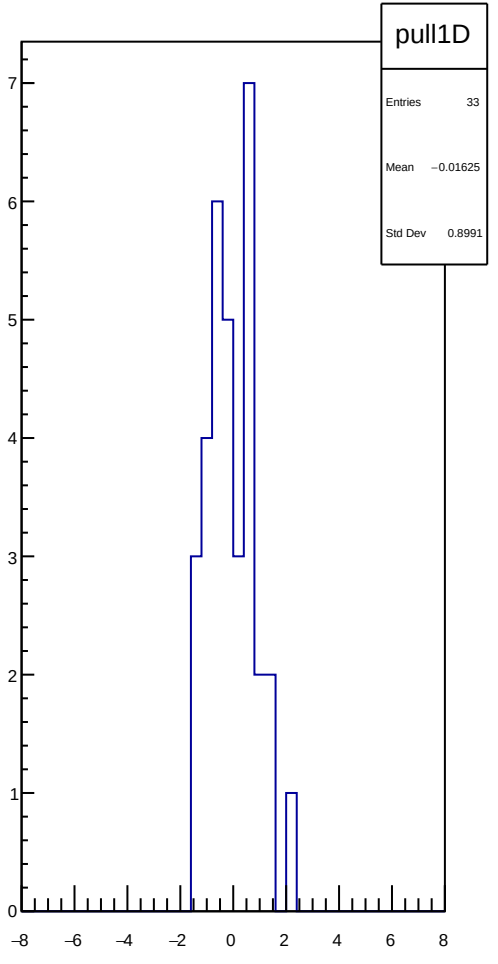

pull1D
Entries 33
Mean −0.007652
Std Dev 1.133
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

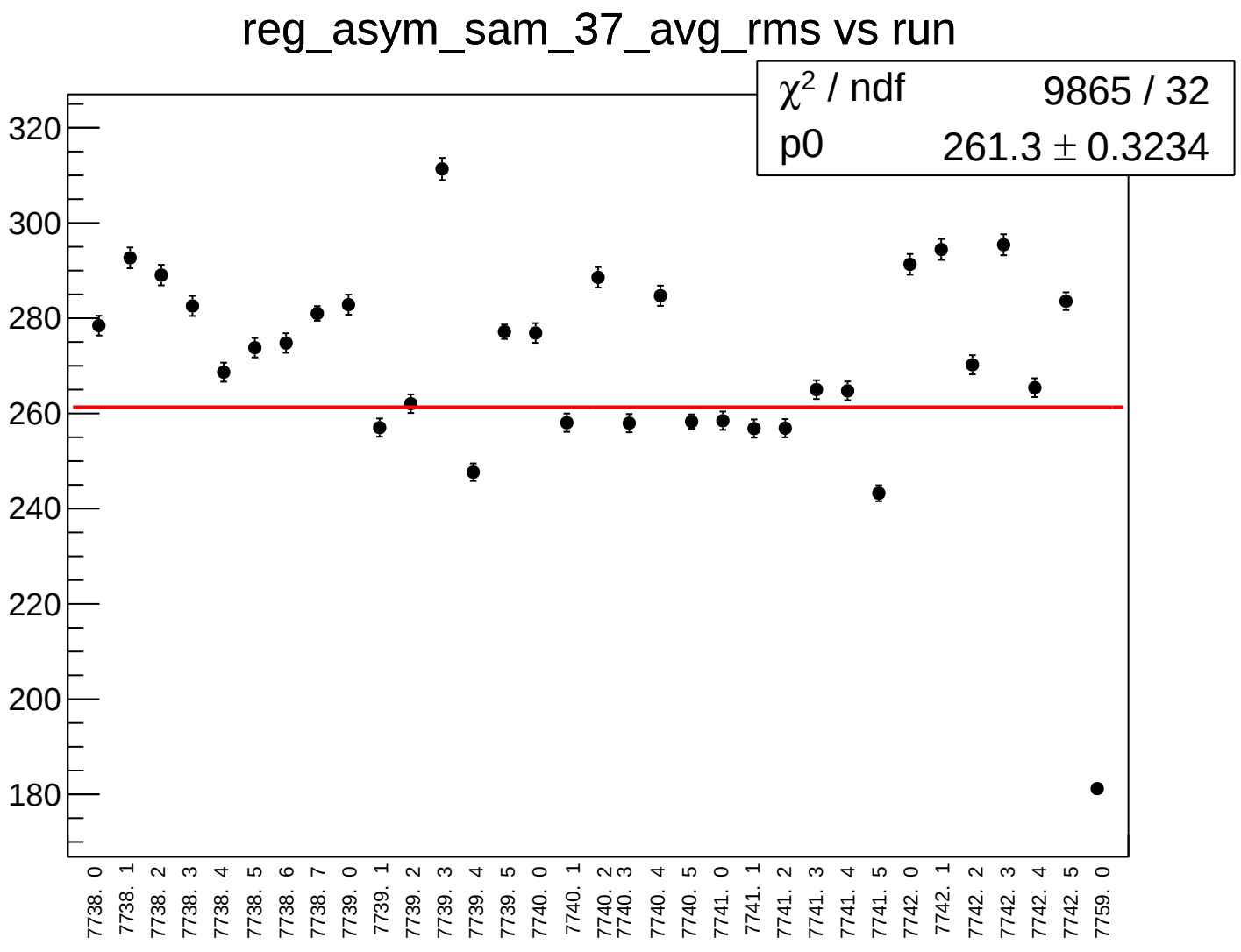

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.831e+04 / 32
p0 80.91 ± 0.1024
800
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

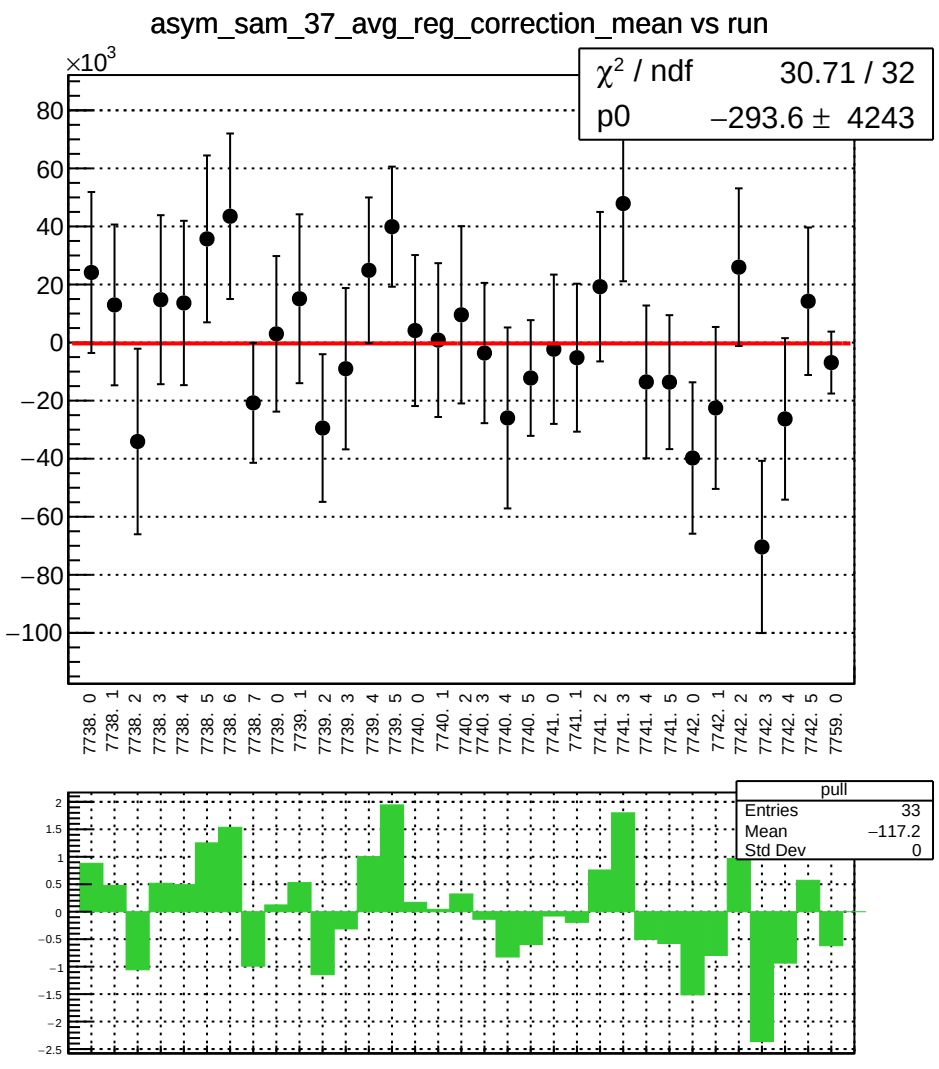

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 39.39 / 32
p0 1.586e−13 ± 1.786e−13
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 42.02
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.07374
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

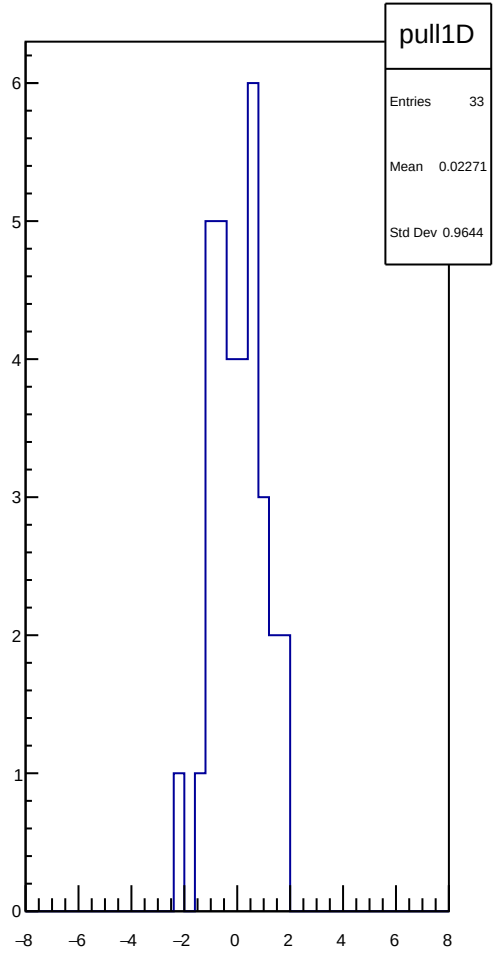

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.064e+05 / 32
p0 7.54e−11 ± 1.263e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

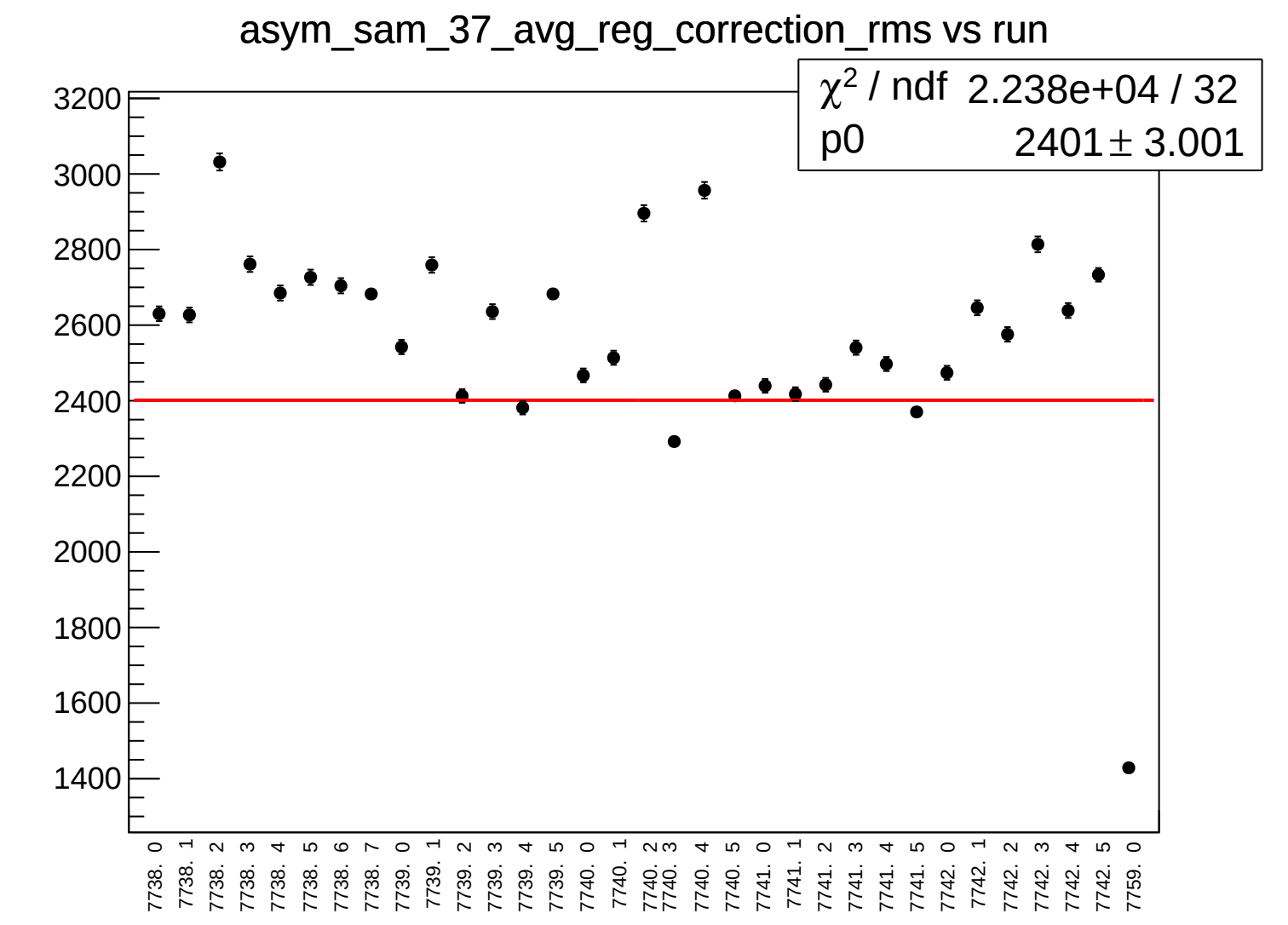

reg_asym_sam_37_avg_mean vs run
χ² / ndf 26.69 / 32
p0 353.2 ± 457.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.167
Std Dev 16.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

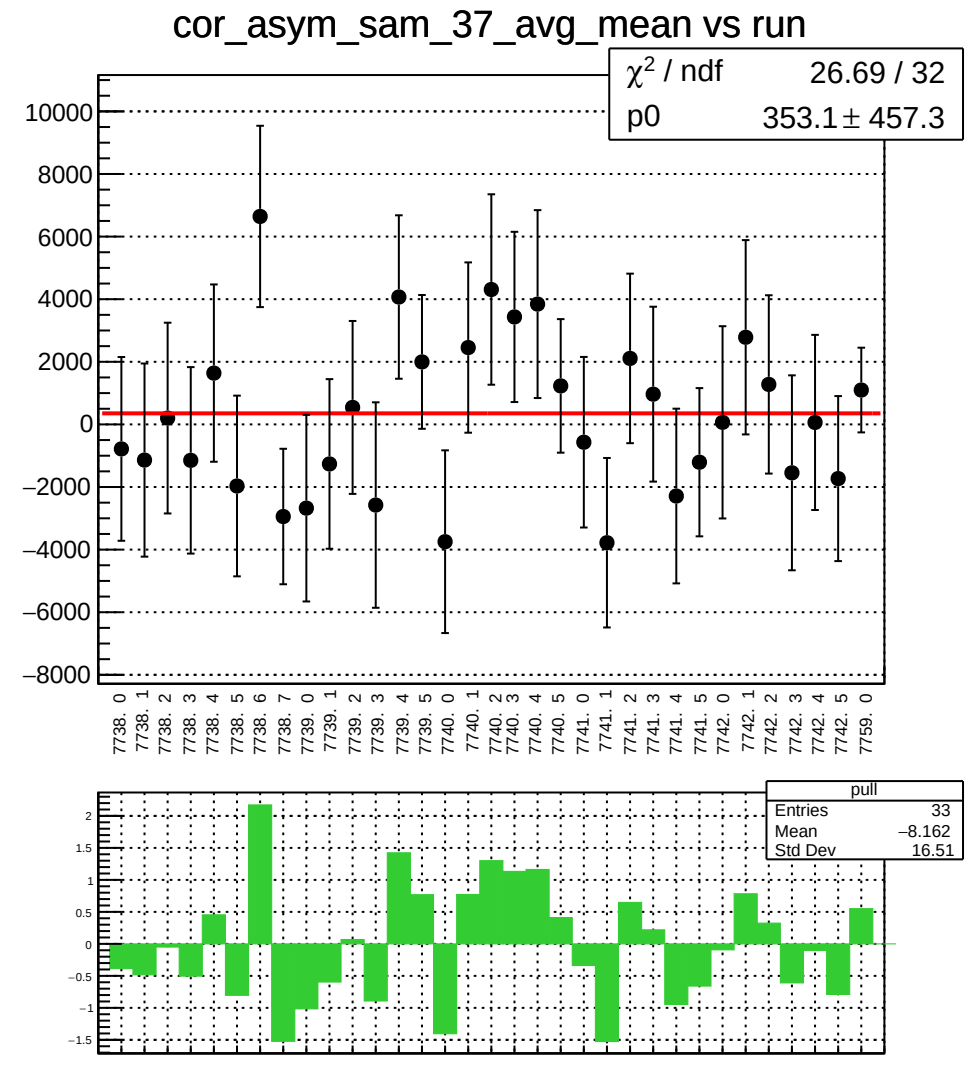

pull1D
Entries 33
Mean −0.01625
Std Dev 0.8991
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

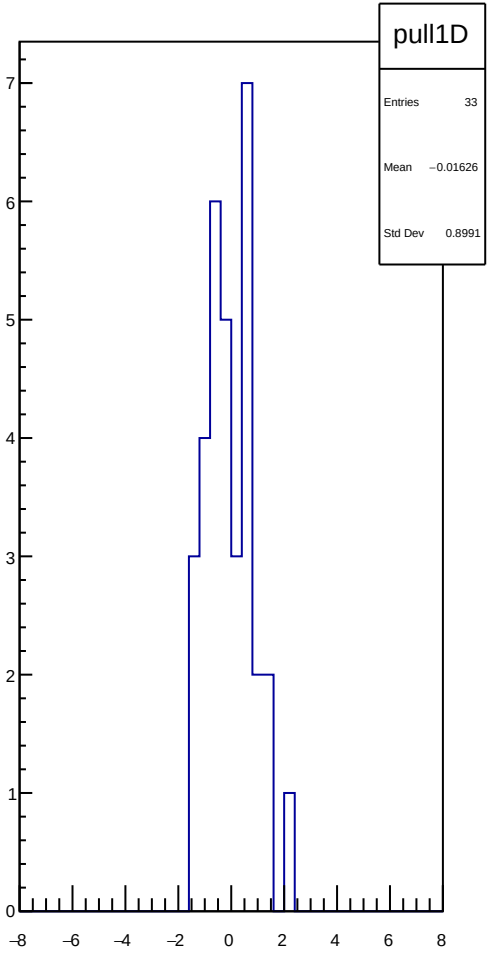

reg_asym_sam_37_avg_rms vs run
χ² / ndf 9865 / 32
p0 261.3 ± 0.3234
320
300
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

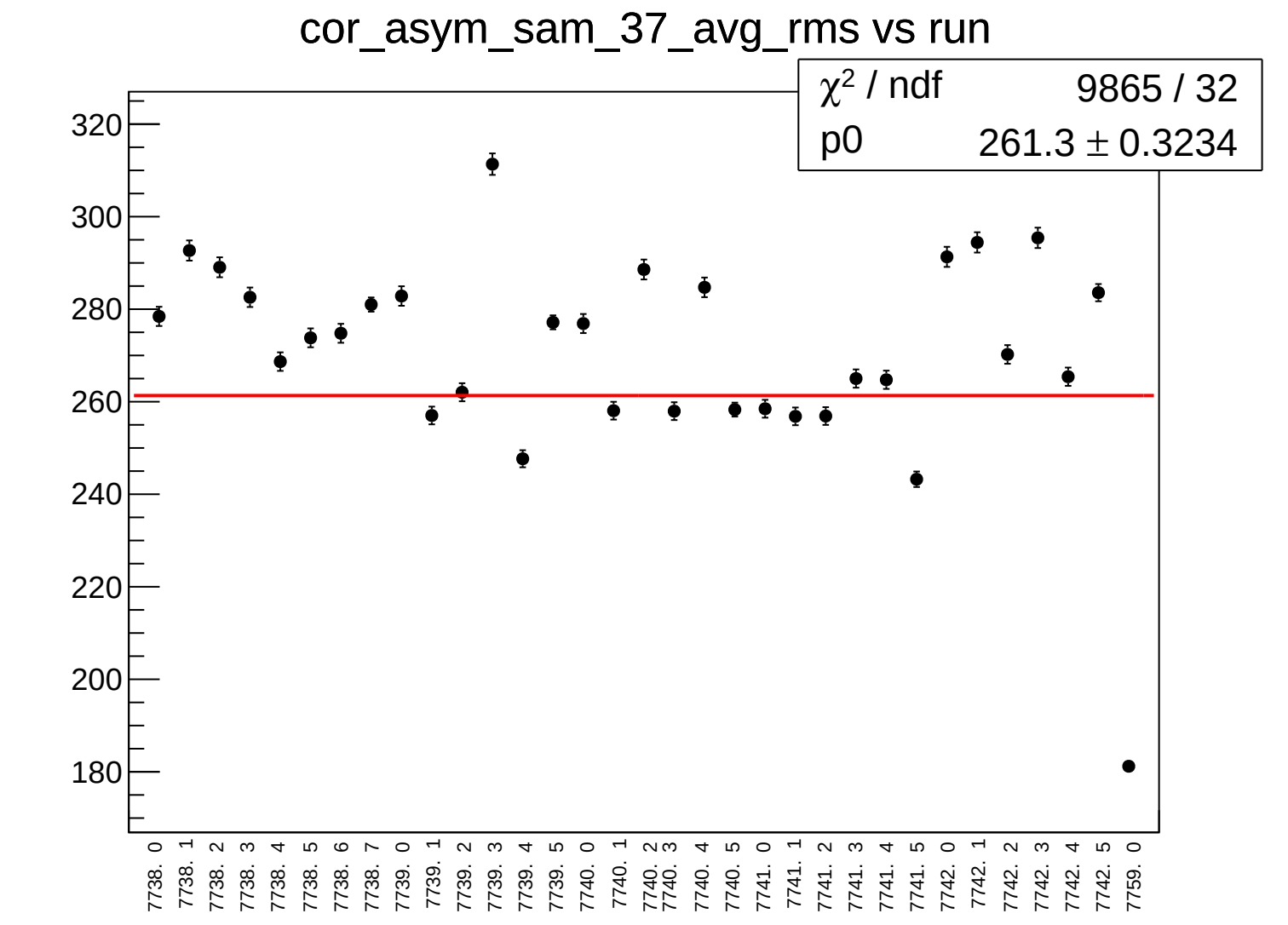

asym_sam_37_avg_reg_correction_mean vs run
×10^3
χ² / ndf 30.71 / 32
p0 −293.6 ± 4243
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −117.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

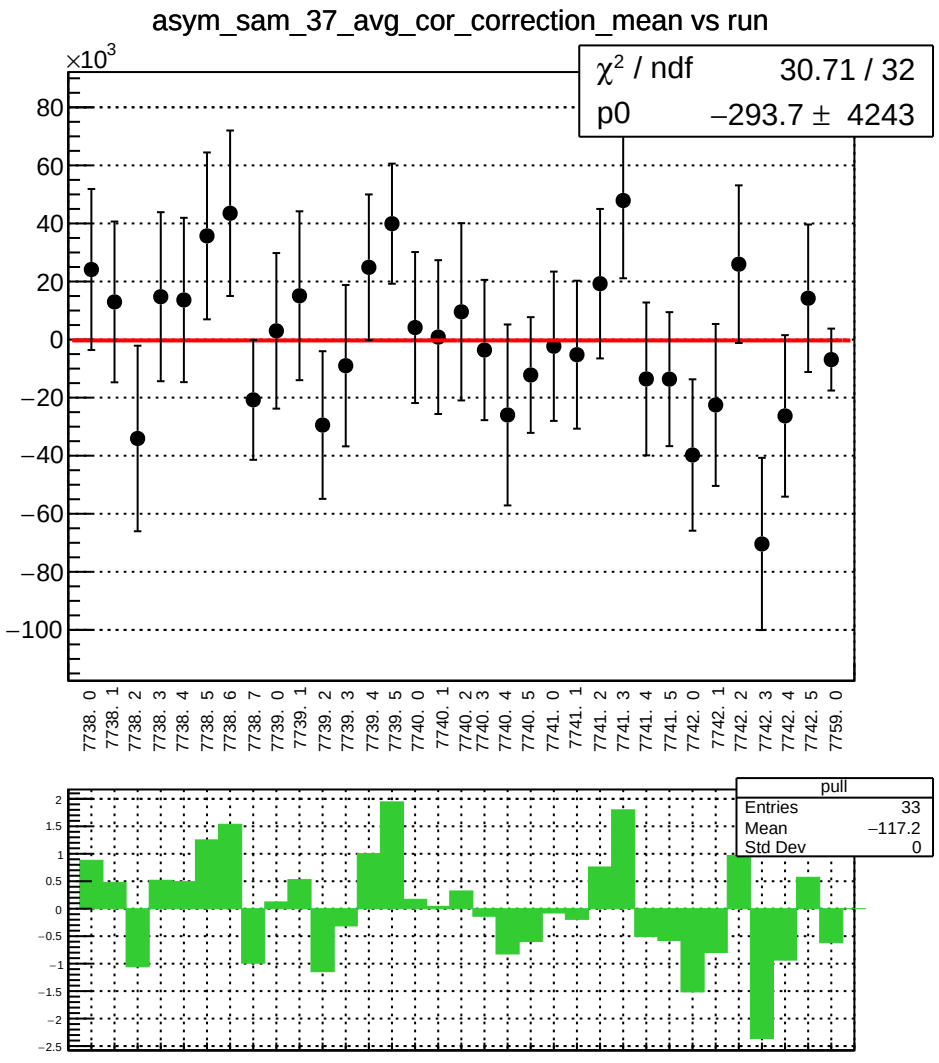

pull1D
Entries 33
Mean 0.02271
Std Dev 0.9644
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

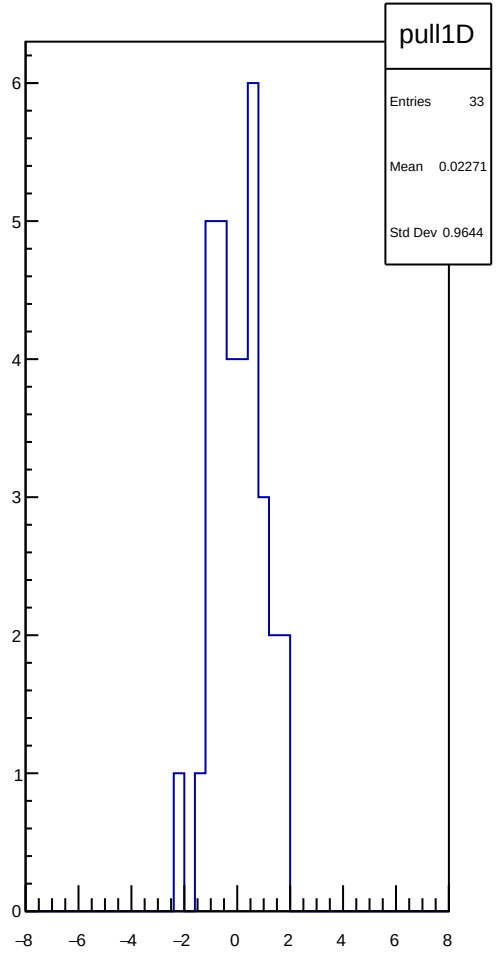

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 2.238e+04 / 32
p0 2401 ± 3.001
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

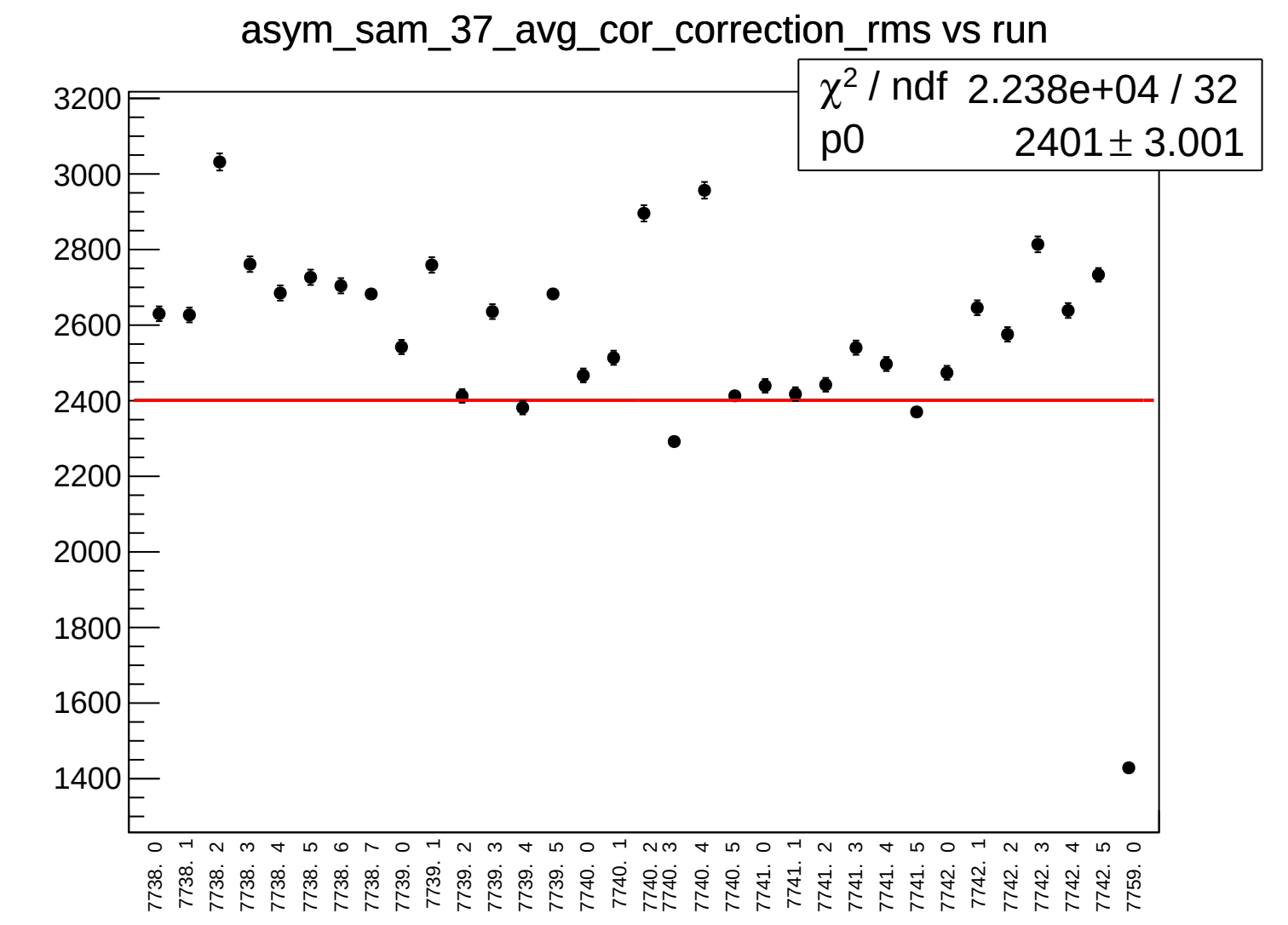

cor_asym_sam_37_avg_mean vs run
χ² / ndf 26.69 / 32
p0 353.1 ± 457.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.162
Std Dev 16.51
2
1.5
1
0.5
0
−0.5
−1
−1.5

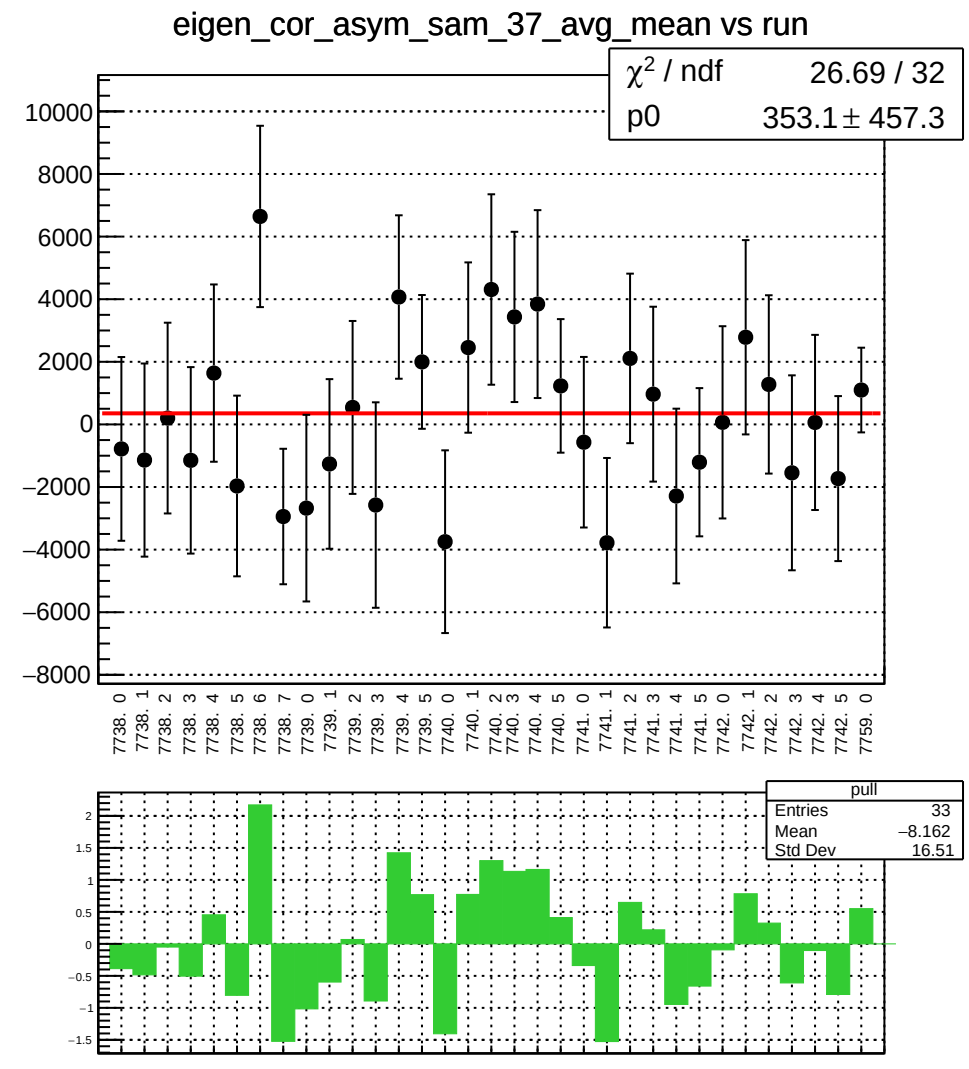

pull1D
Entries 33
Mean −0.01626
Std Dev 0.8991
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

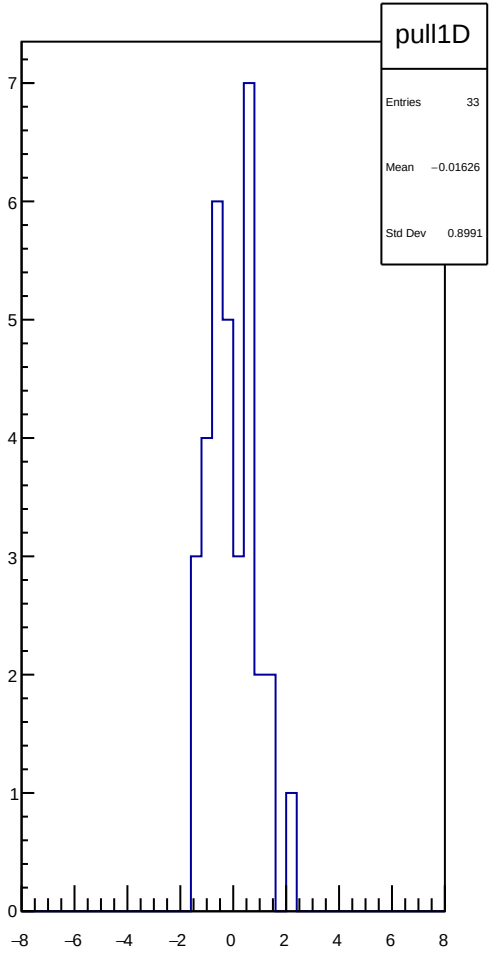

cor_asym_sam_37_avg_rms vs run
χ² / ndf 9865 / 32
p0 261.3 ± 0.3234
320
300
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

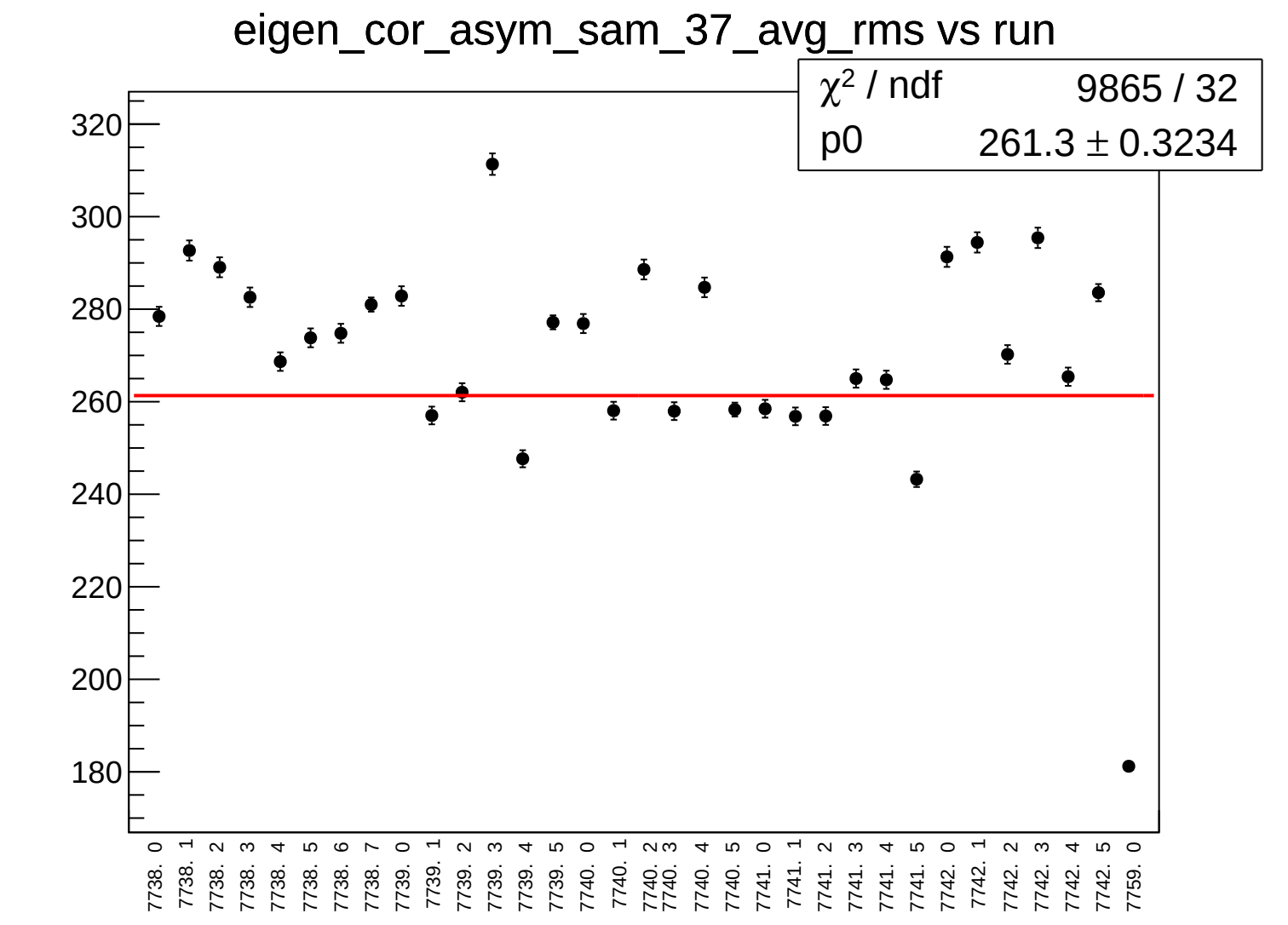

asym_sam_37_avg_cor_correction_mean vs run
×10^3
χ² / ndf 30.71 / 32
p0 −293.7 ± 4243
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −117.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

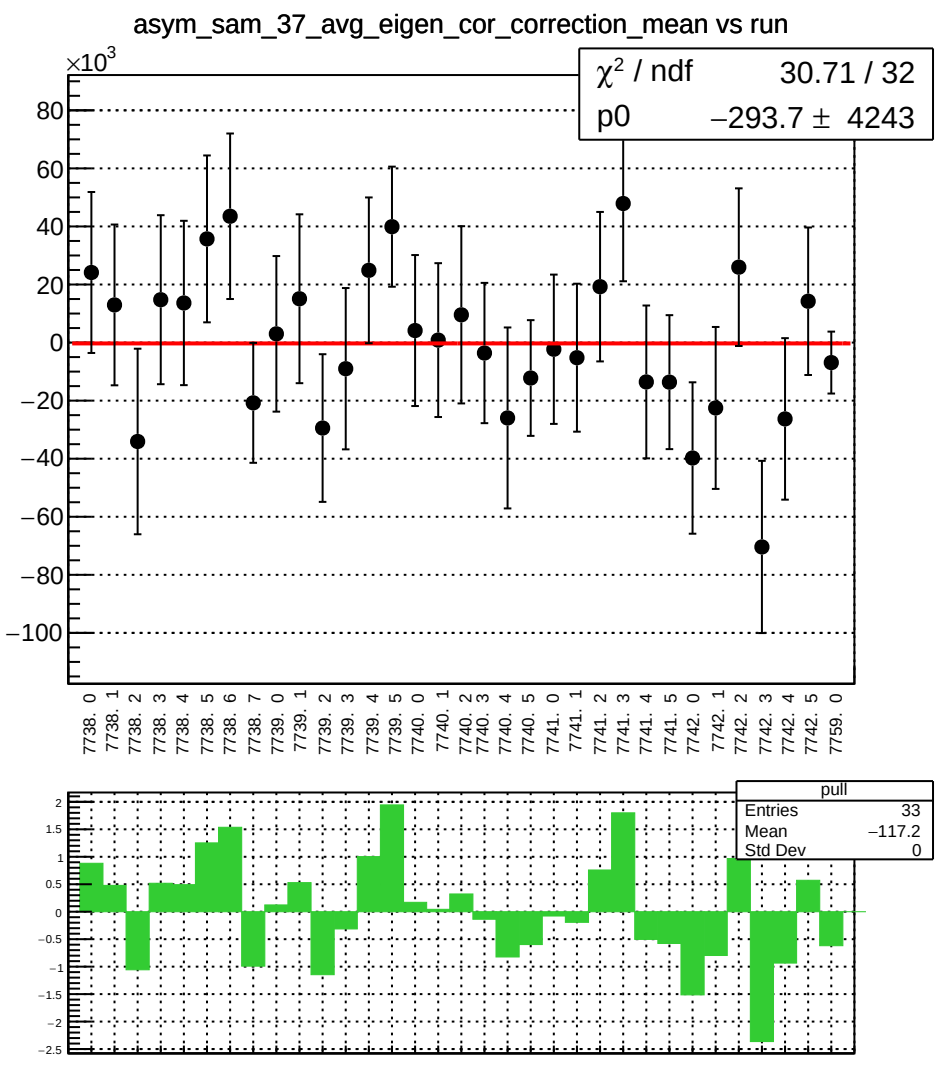

pull1D
Entries 33
Mean 0.02271
Std Dev 0.9644
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

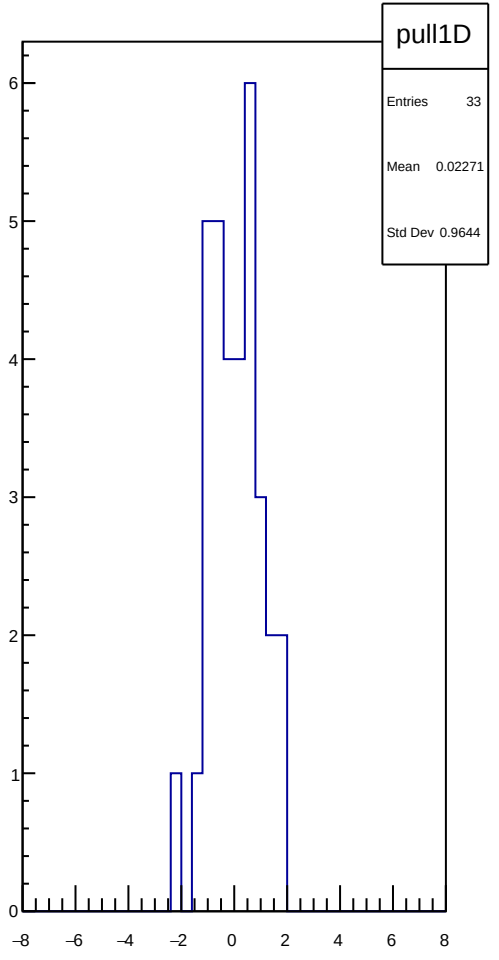

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 2.238e+04 / 32
p0 2401 ± 3.001
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

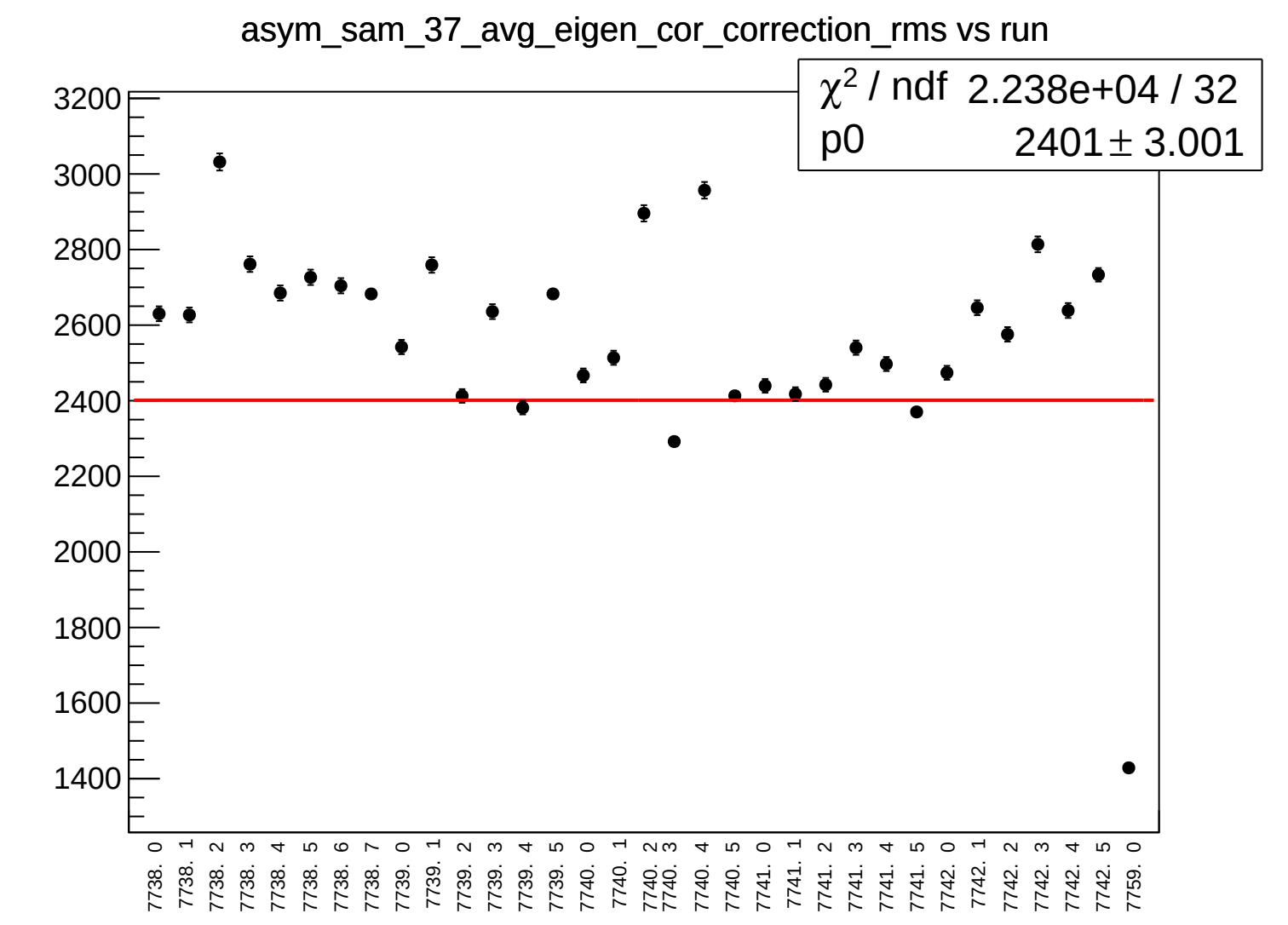

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 26.69 / 32
p0 353.1 ± 457.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.162
Std Dev 16.51
2
1.5
1
0.5
0
−0.5
−1
−1.5

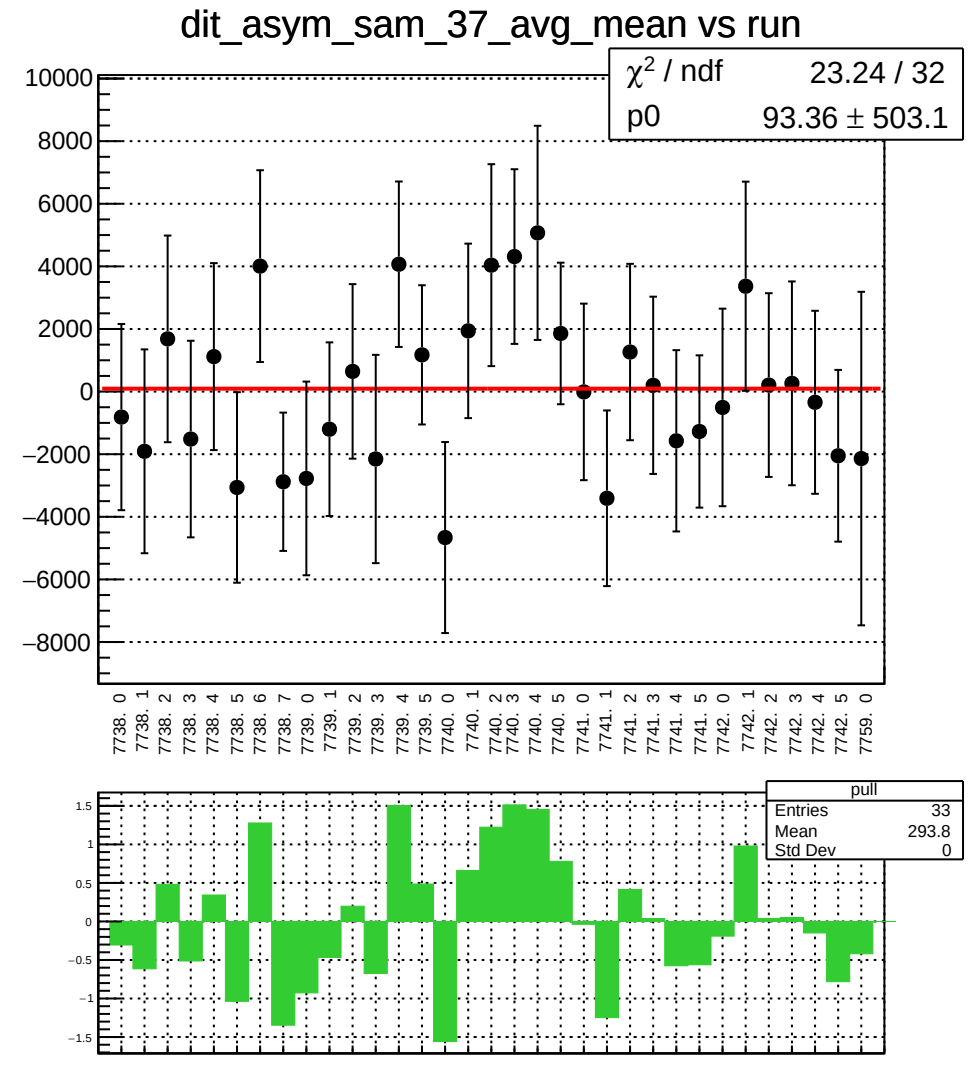

pull1D
Entries 33
Mean −0.01626
Std Dev 0.8991
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

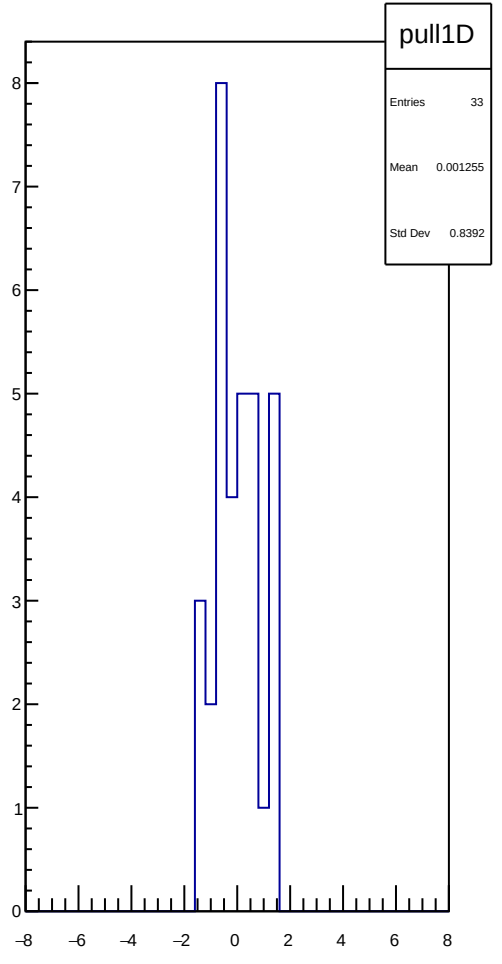

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 9865 / 32
p0 261.3 ± 0.3234
320
300
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

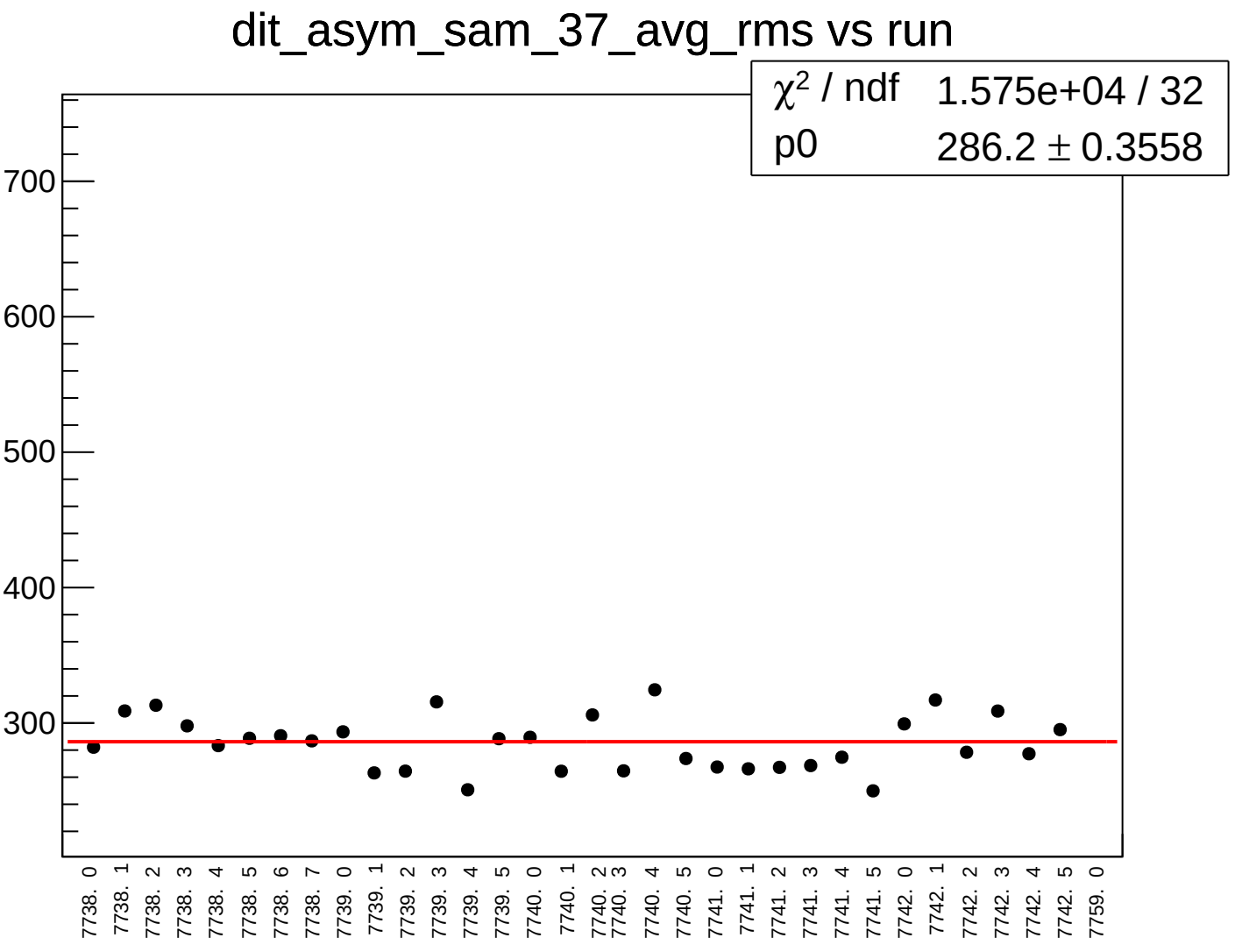

asym_sam_37_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.71 / 32
p0 −293.7 ± 4243
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −117.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

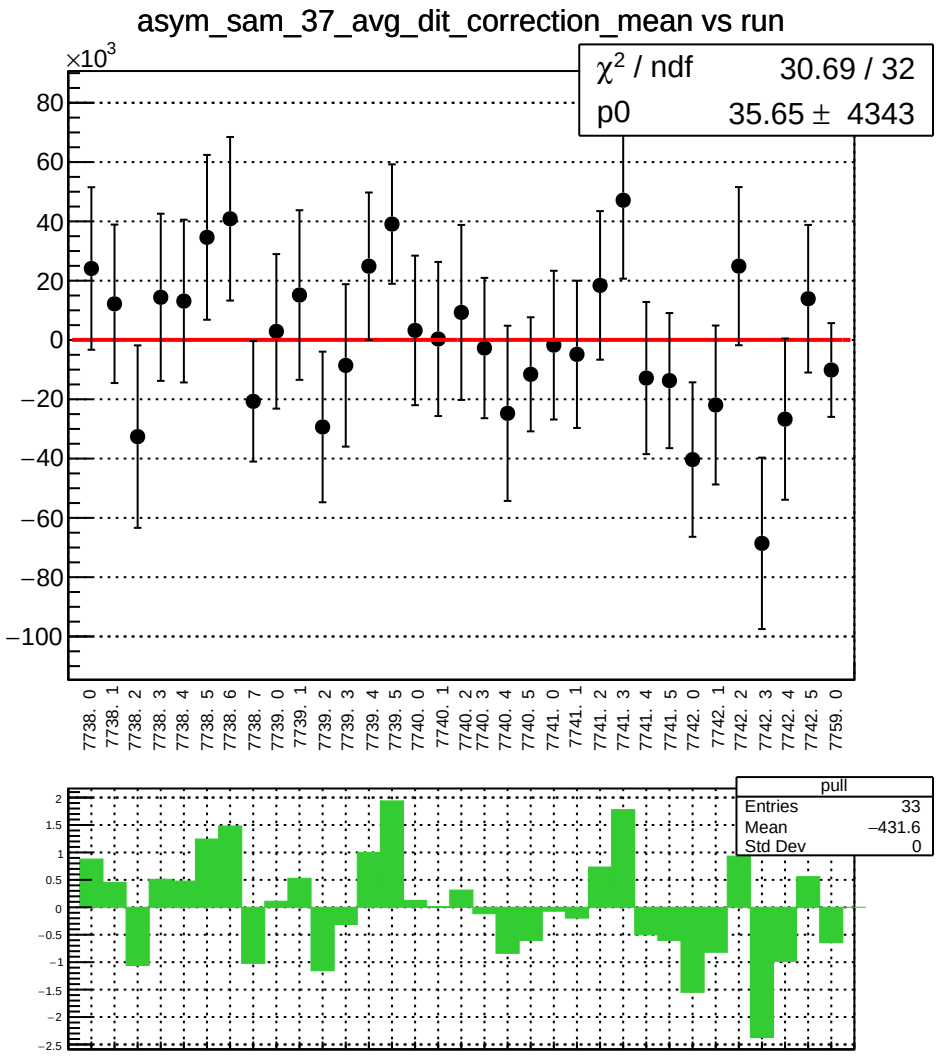

pull1D
Entries 33
Mean 0.02271
Std Dev 0.9644
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

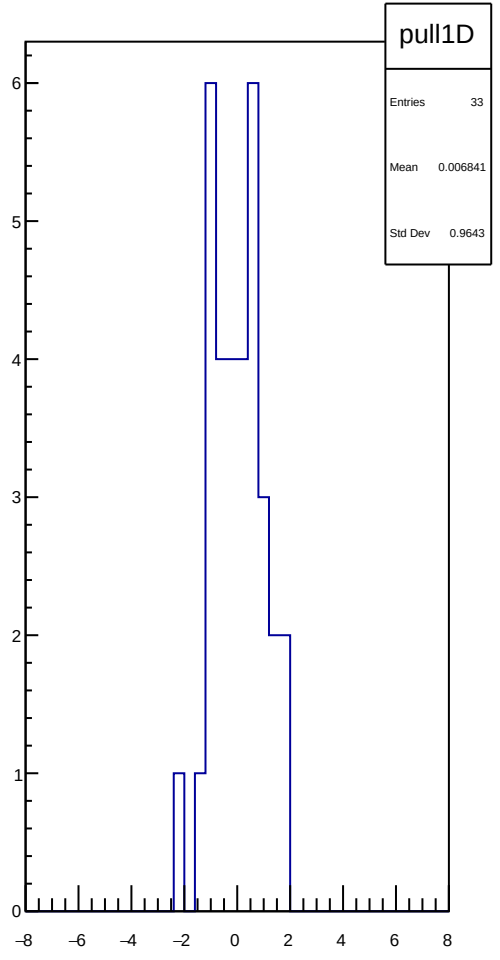

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.238e+04 / 32
p0 2401 ± 3.001
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

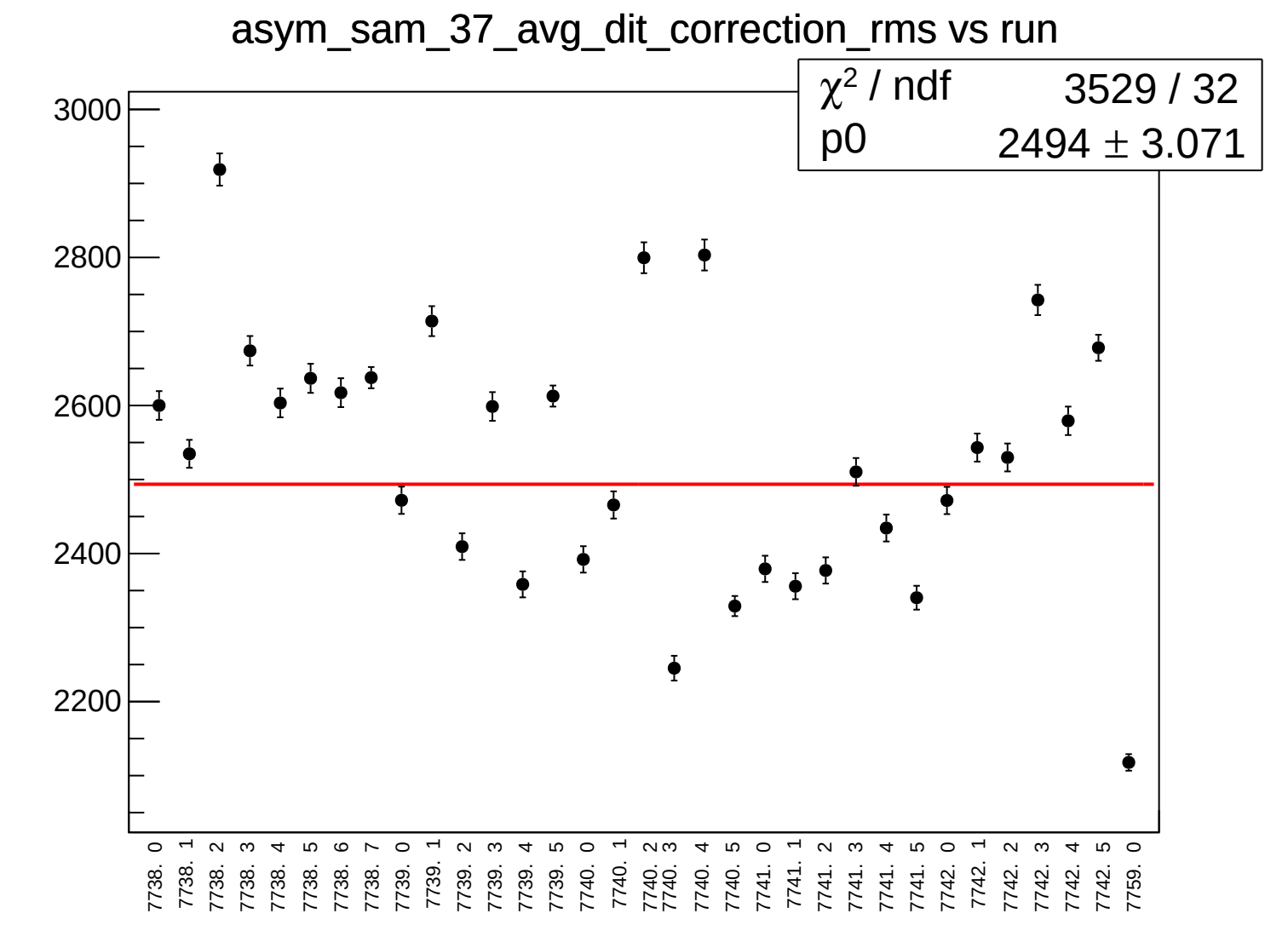

dit_asym_sam_37_avg_mean vs run
χ² / ndf 23.24 / 32
p0 93.36 ± 503.1
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 293.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

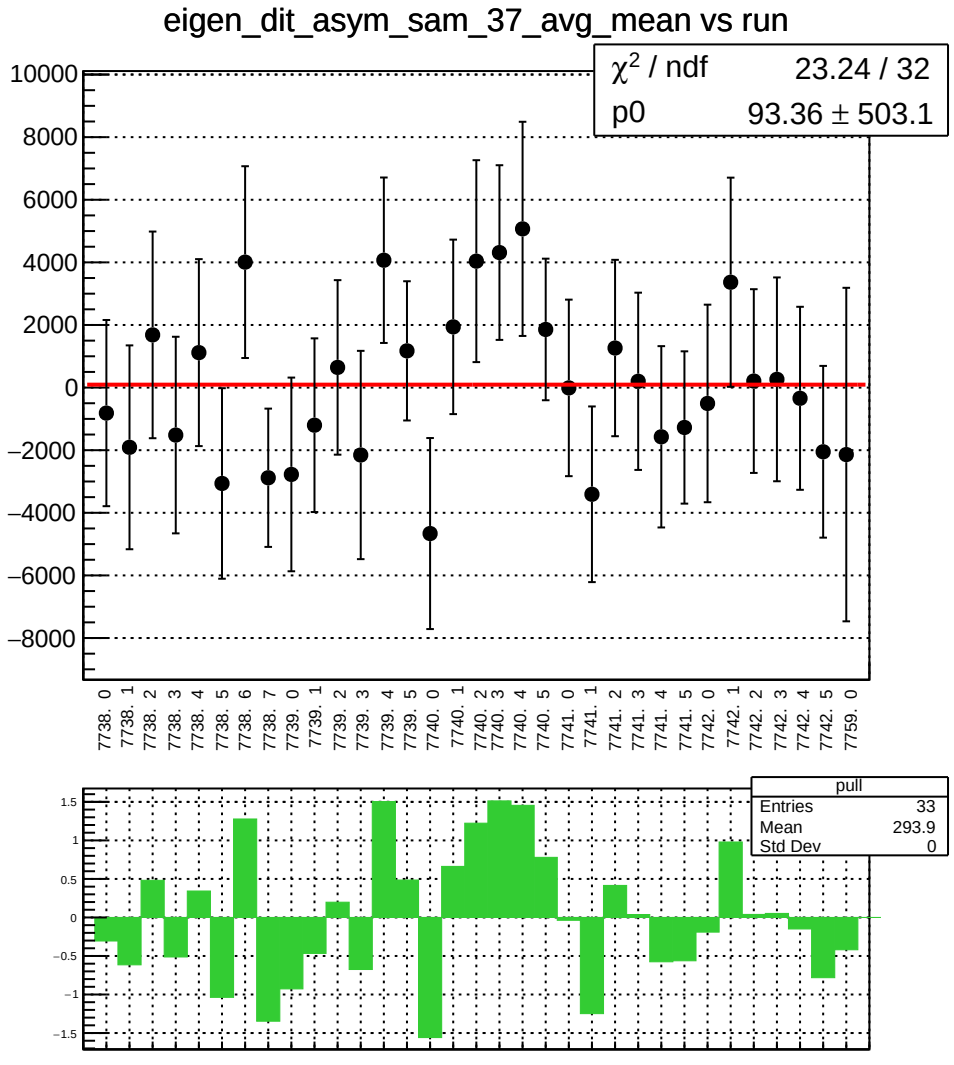

pull1D
Entries 33
Mean 0.001255
Std Dev 0.8392
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

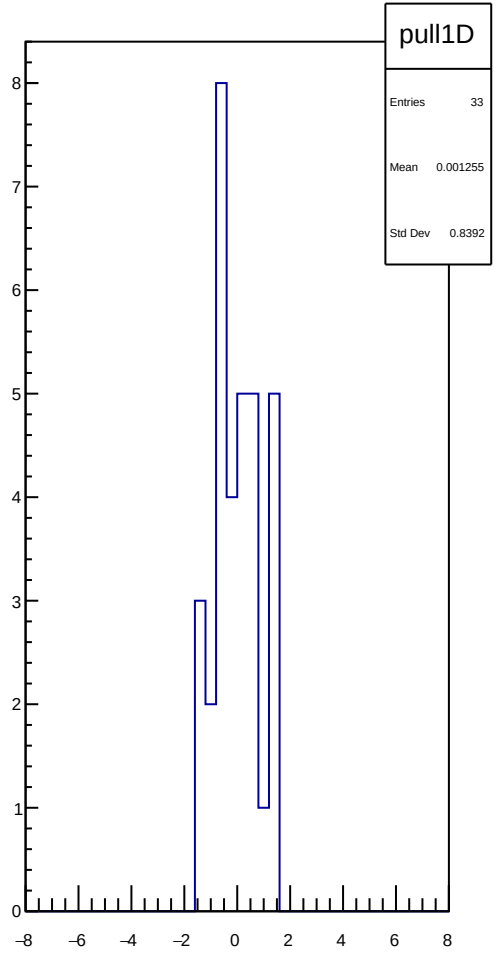

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.575e+04 / 32
p0 286.2 ± 0.3558
700
600
500
400
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

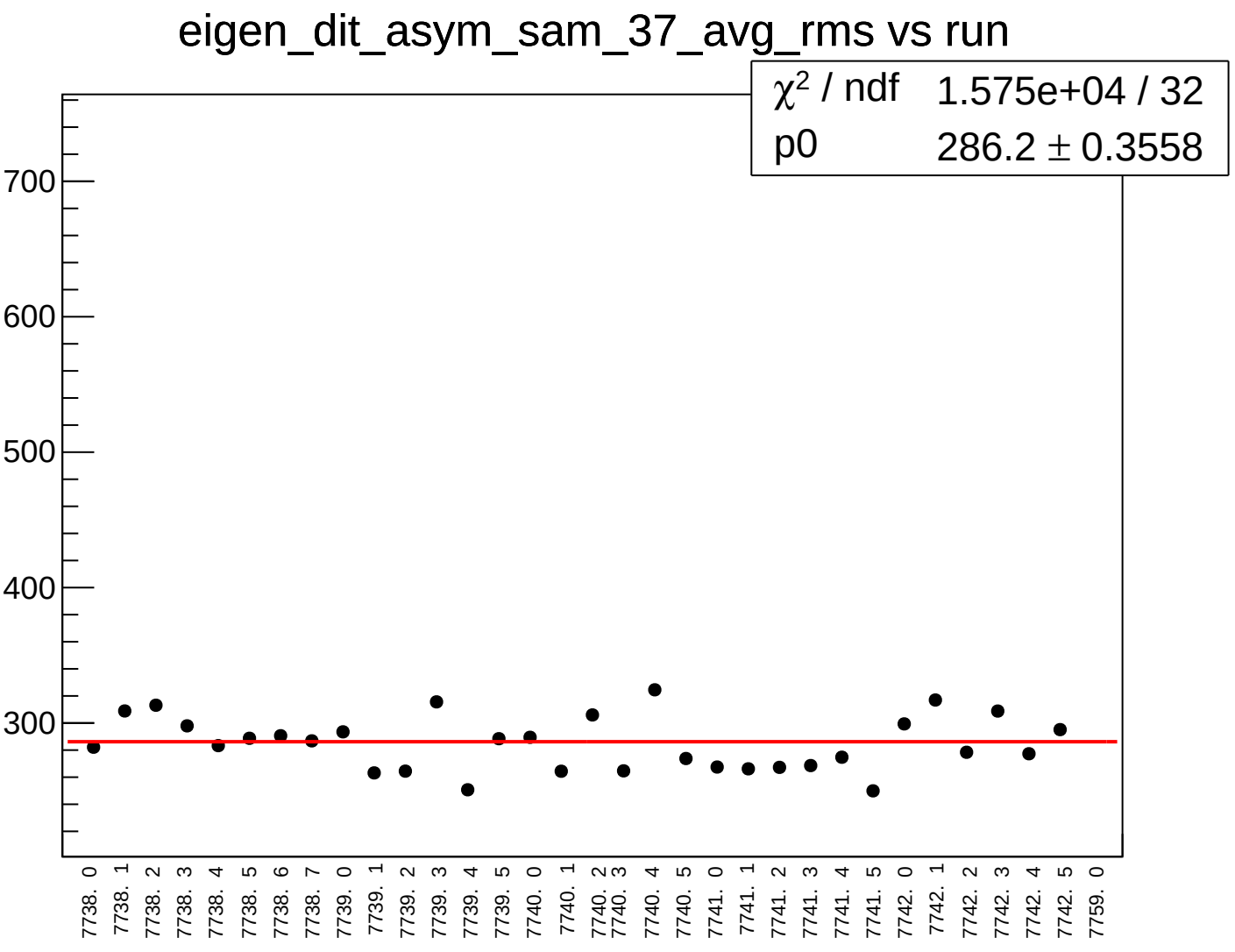

asym_sam_37_avg_dit_correction_mean vs run
×10^3
χ² / ndf 30.69 / 32
p0 35.65 ± 4343
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −431.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

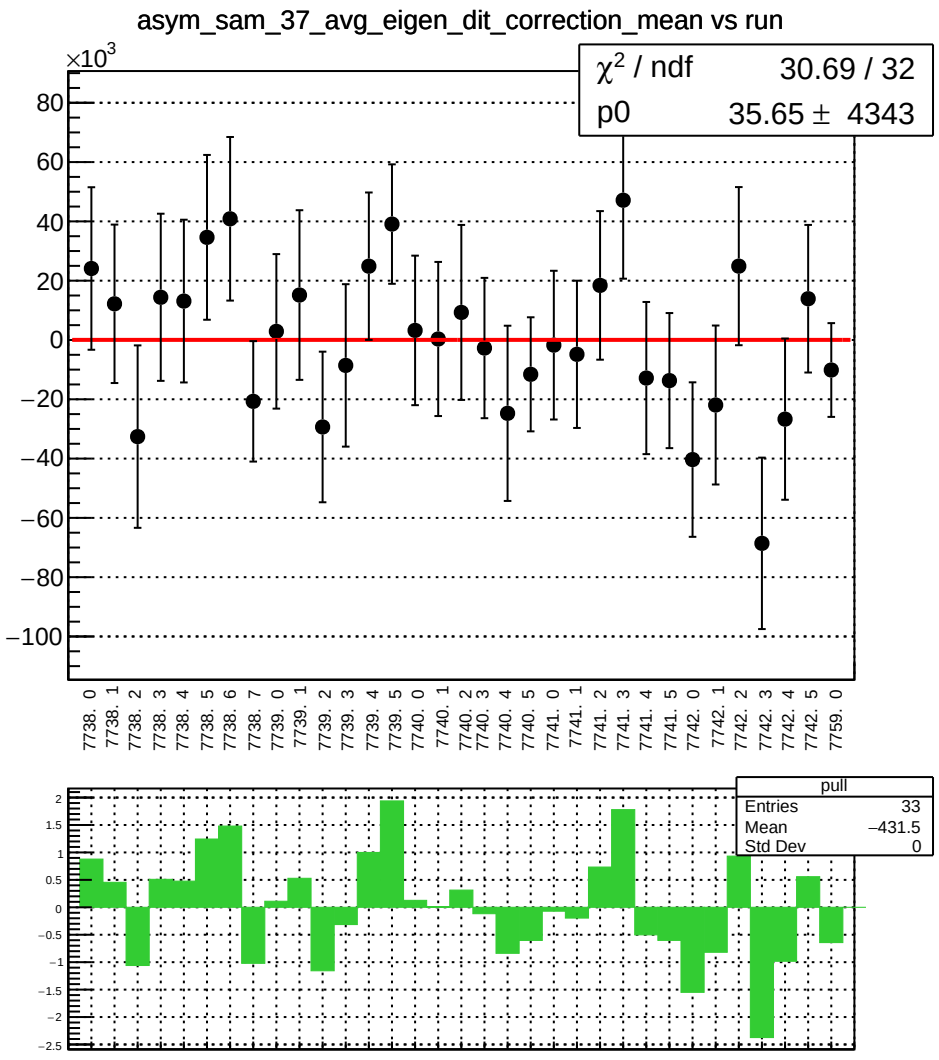

pull1D
Entries 33
Mean 0.006841
Std Dev 0.9643
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

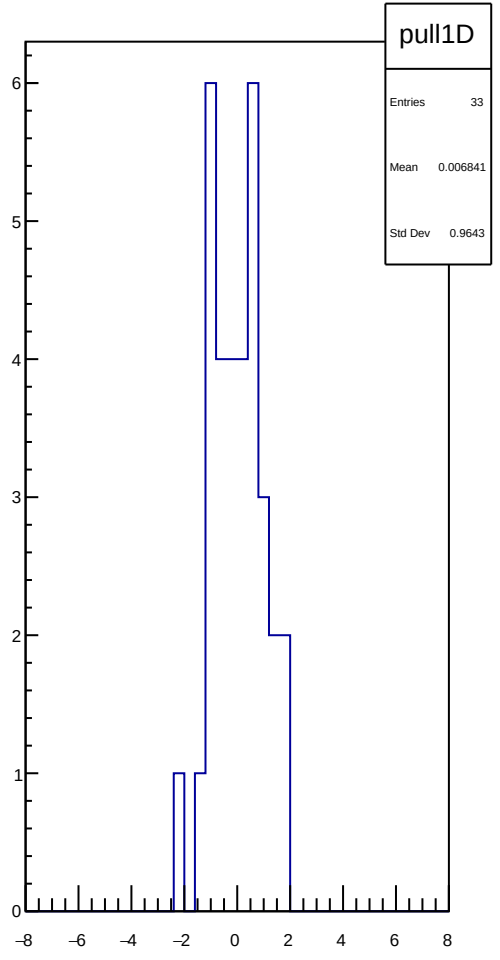

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 3529 / 32
p0 2494 ± 3.071
3000
2800
2600
2400
2200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

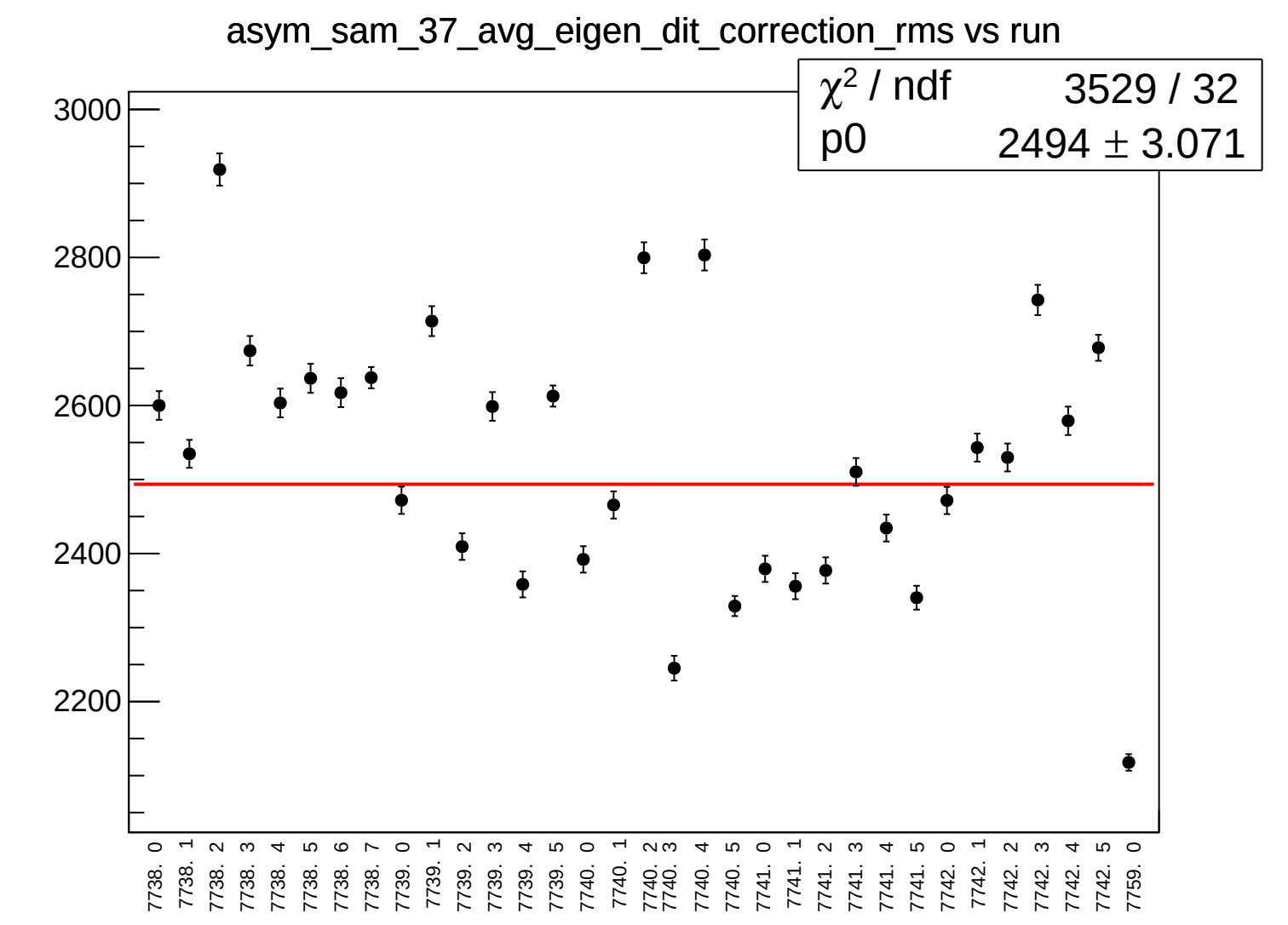

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 23.24 / 32
p0 93.36 ± 503.1
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 293.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

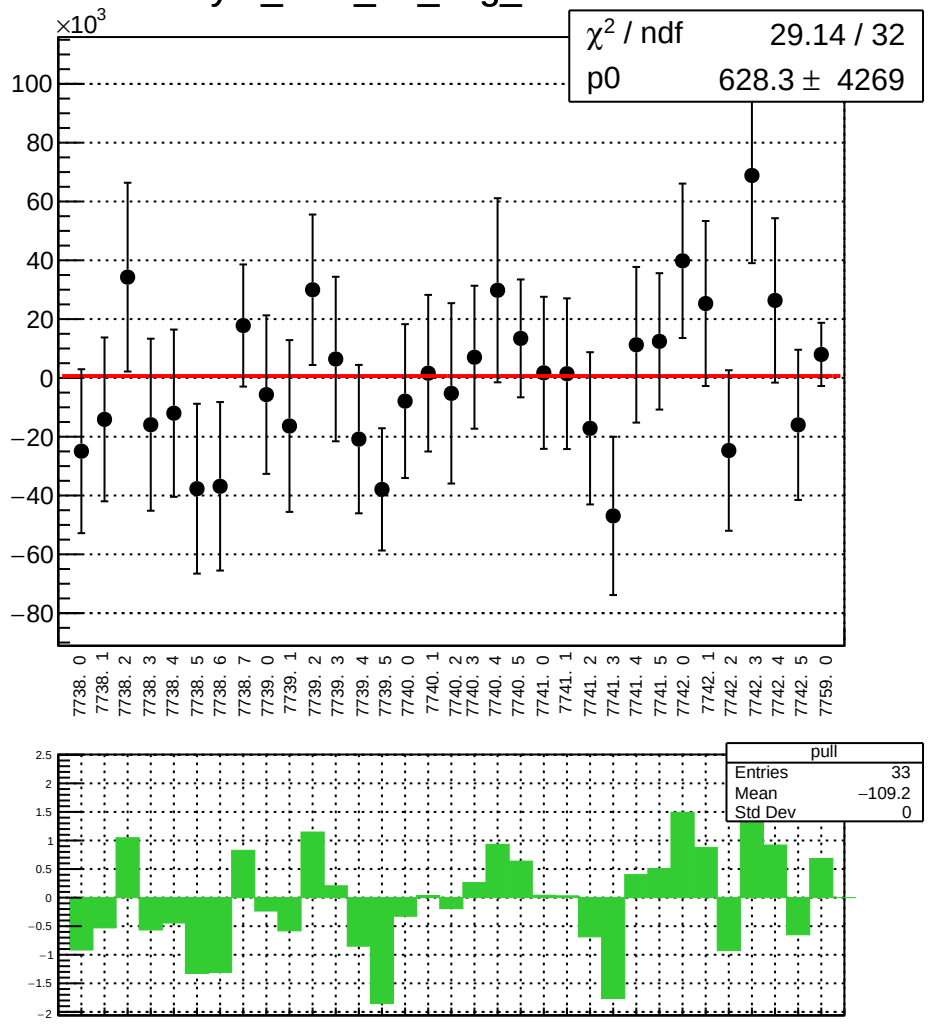

pull1D
Entries 33
Mean 0.001255
Std Dev 0.8392
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

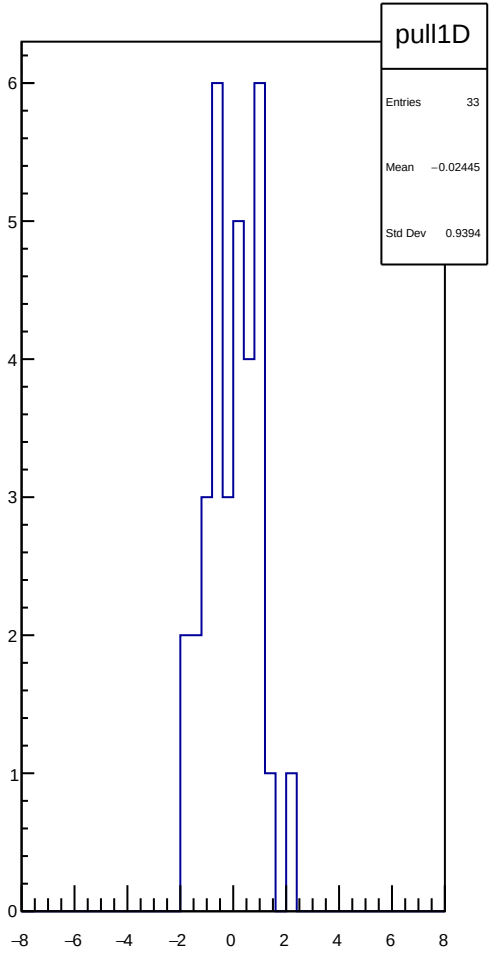

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.575e+04 / 32
p0 286.2 ± 0.3558
700
600
500
400
300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

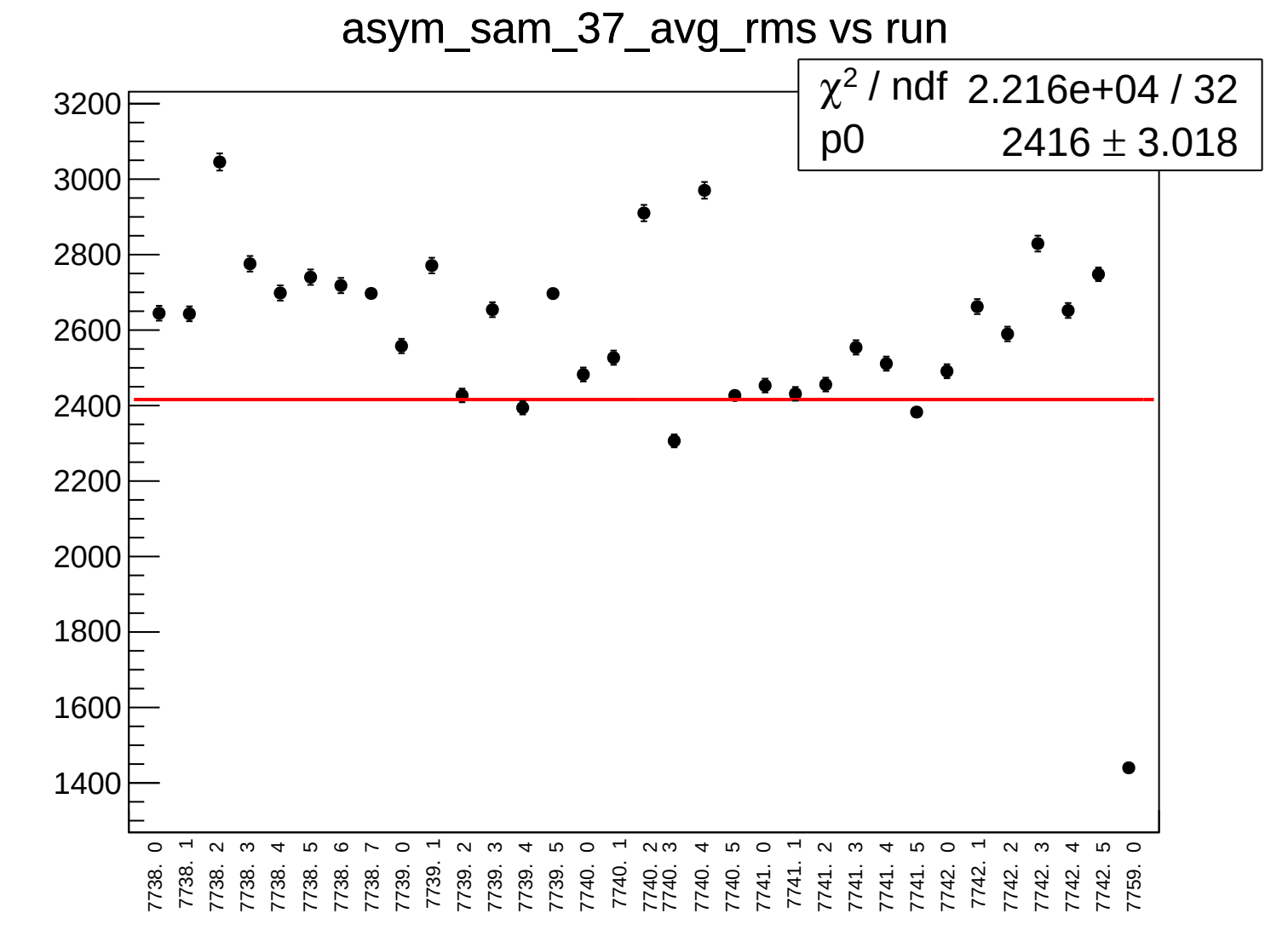

asym_sam_37_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.69 / 32
p0 35.65 ± 4343
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −431.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

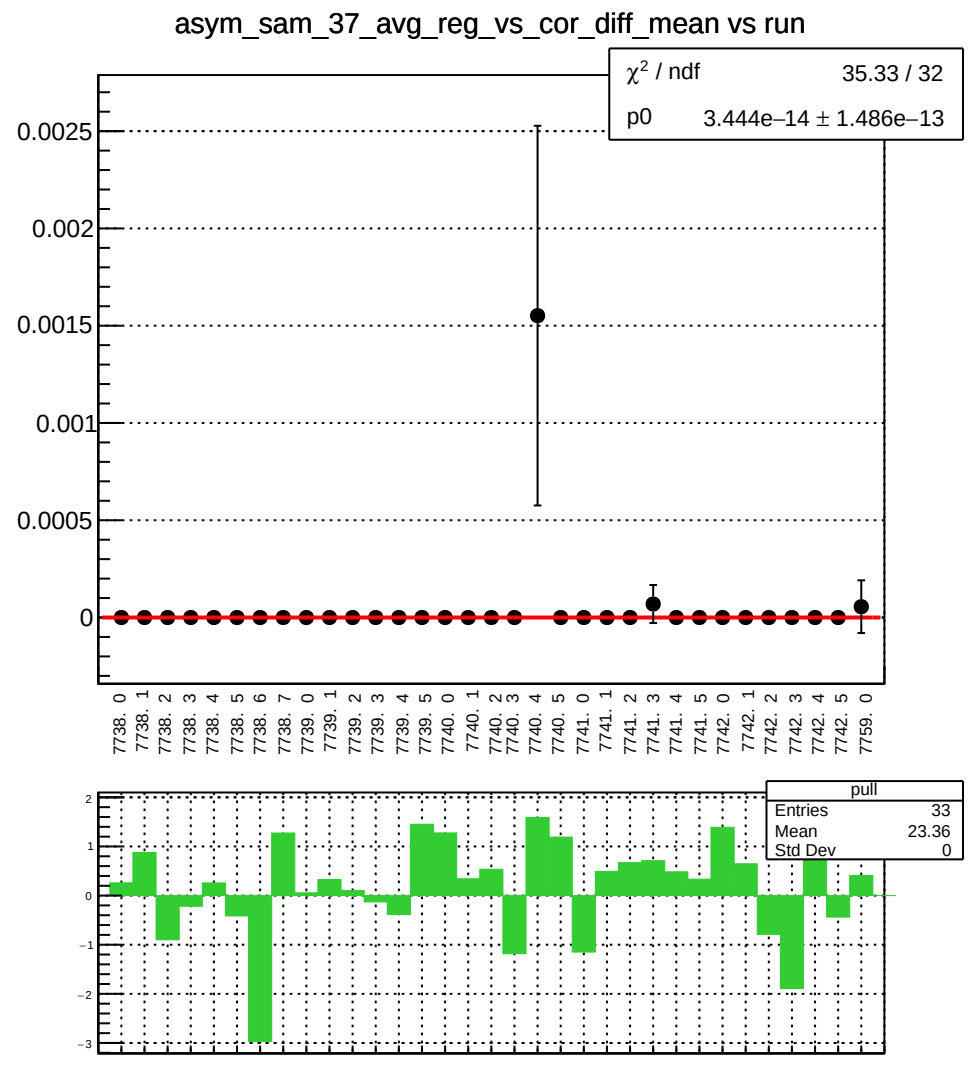

pull1D
Entries 33
Mean 0.006841
Std Dev 0.9643
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

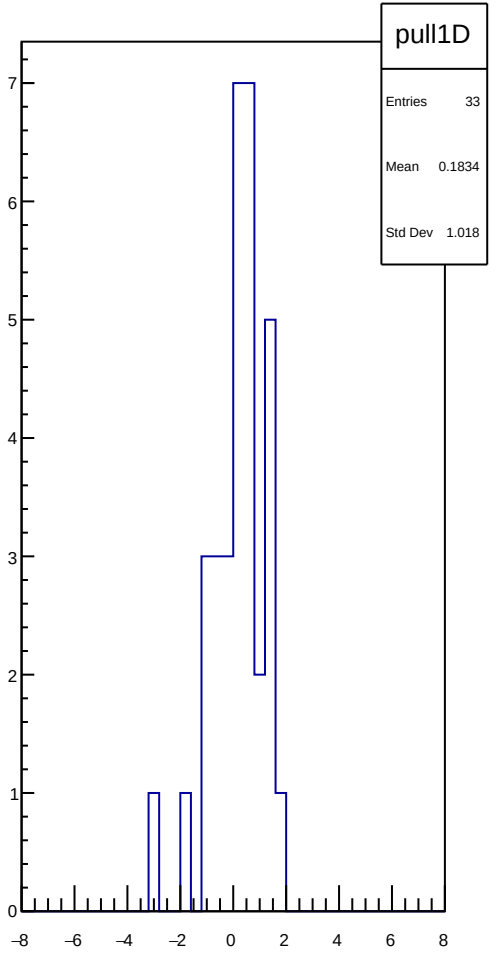

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 3529 / 32
p0 2494 ± 3.071
3000
2800
2600
2400
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

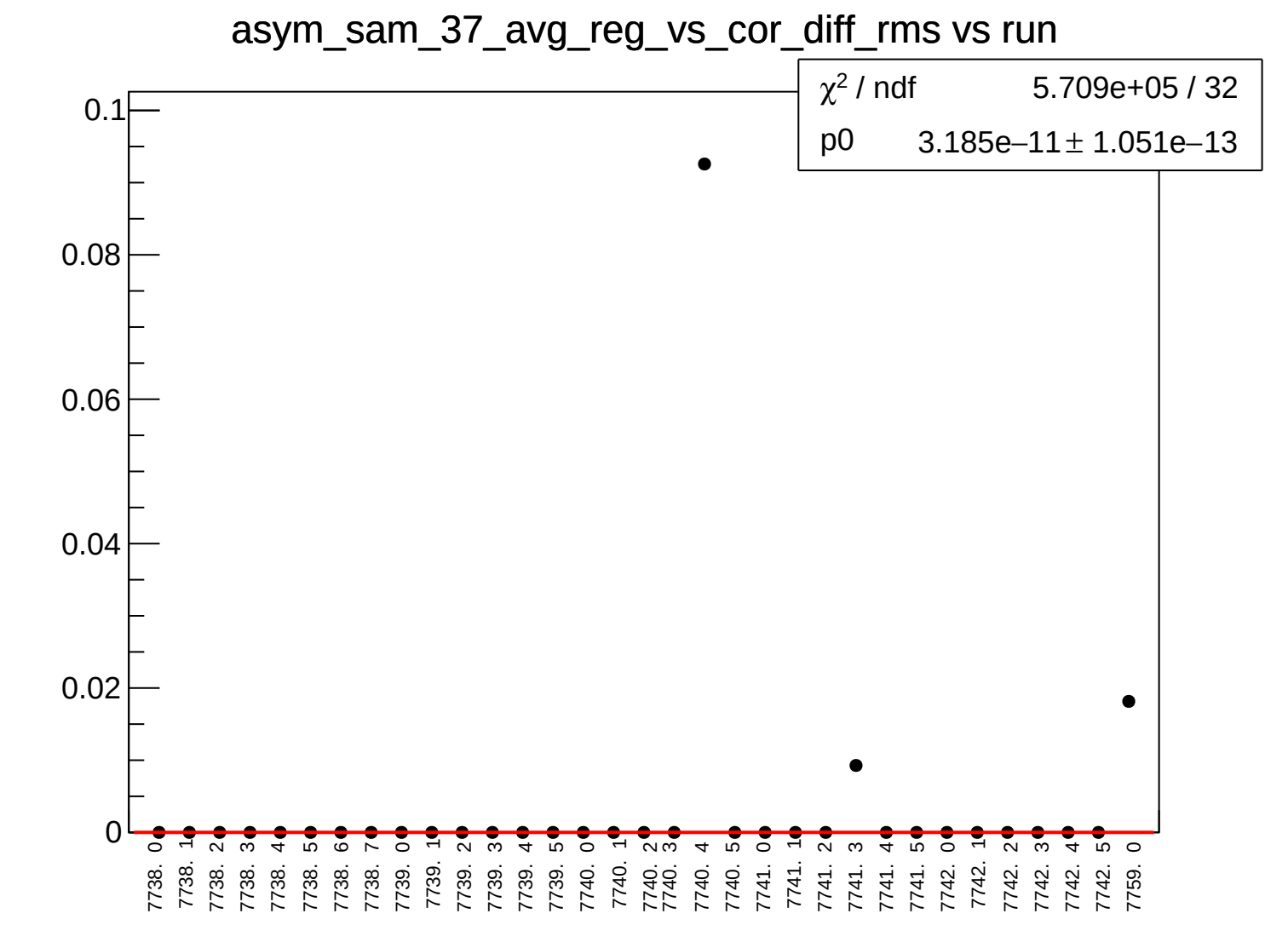

asym_sam_37_avg_mean vs run
×10^3
χ^2 / ndf 29.14 / 32
p0 628.3 ± 4269
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −109.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

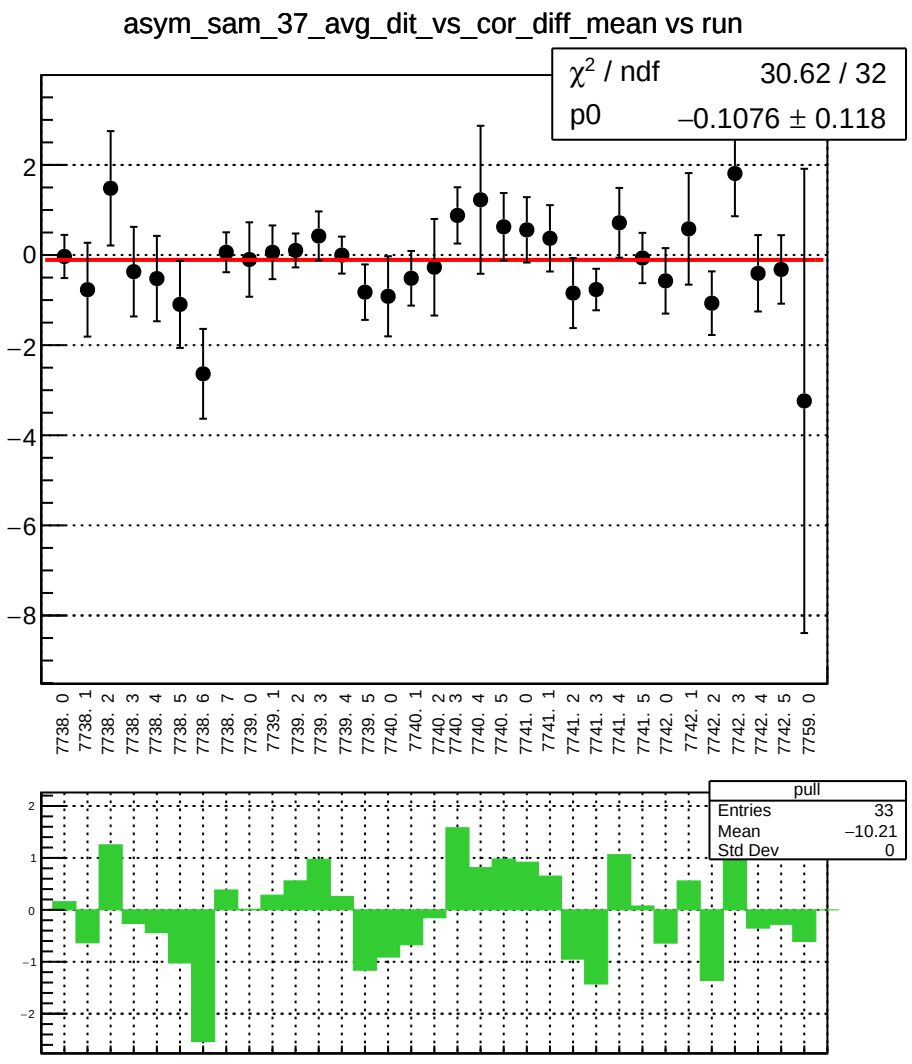

pull1D
Entries 33
Mean −0.02445
Std Dev 0.9394
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

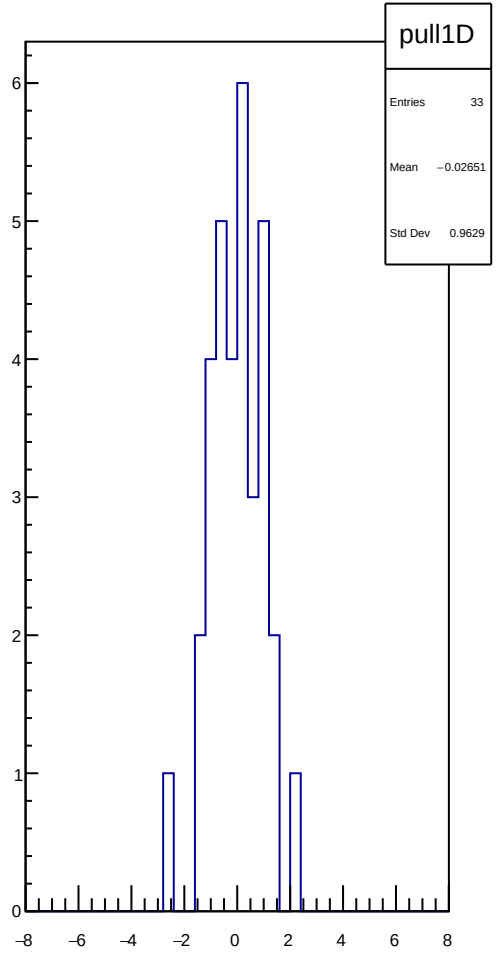

asym_sam_37_avg_rms vs run
χ² / ndf 2.216e+04 / 32
p0 2416 ± 3.018
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

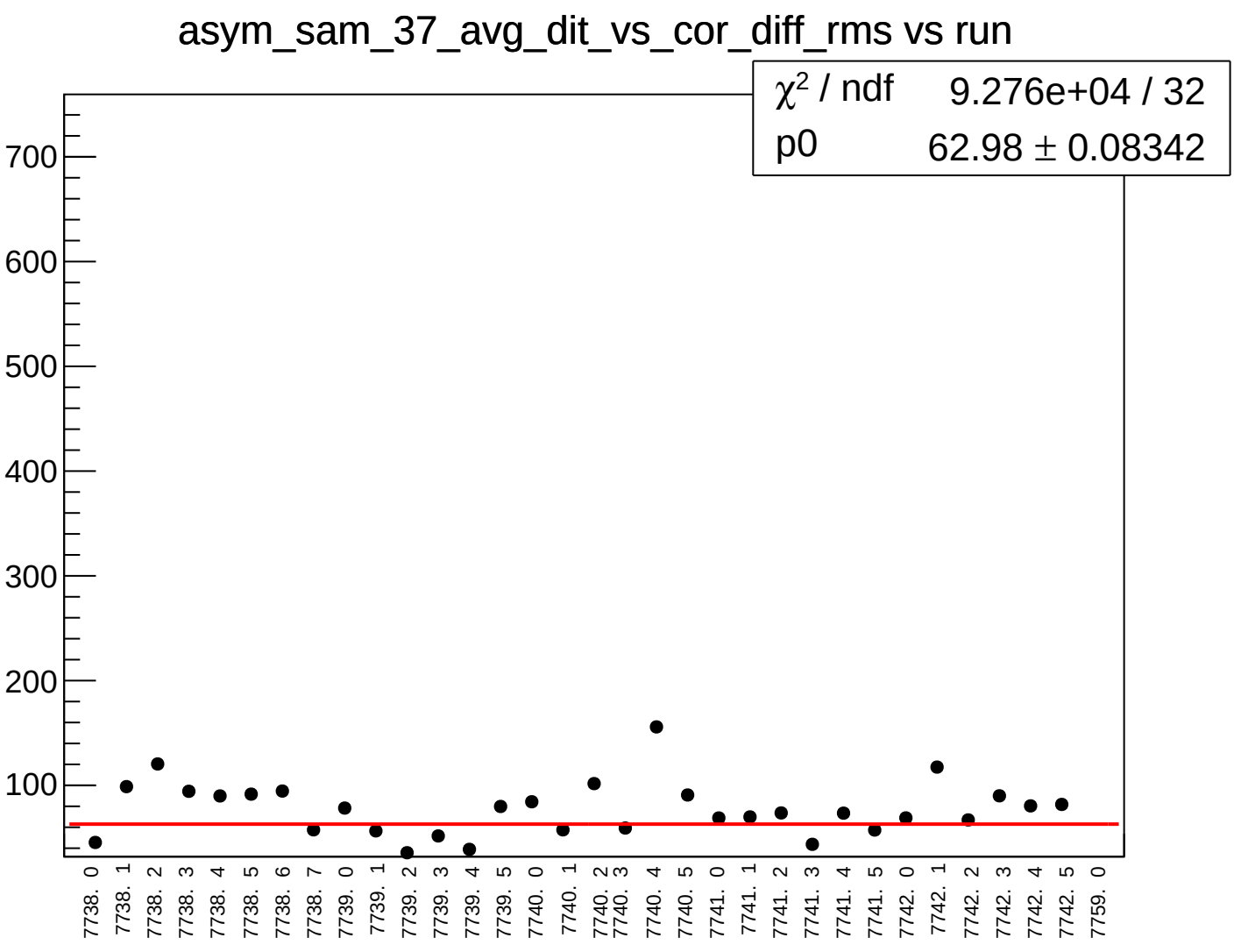

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 35.33 / 32
p0 3.444e−14 ± 1.486e−13
0.0025
0.002
0.0015
0.001
0.0005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 23.36
Std Dev 0
2
1
0
−1
−2
−3

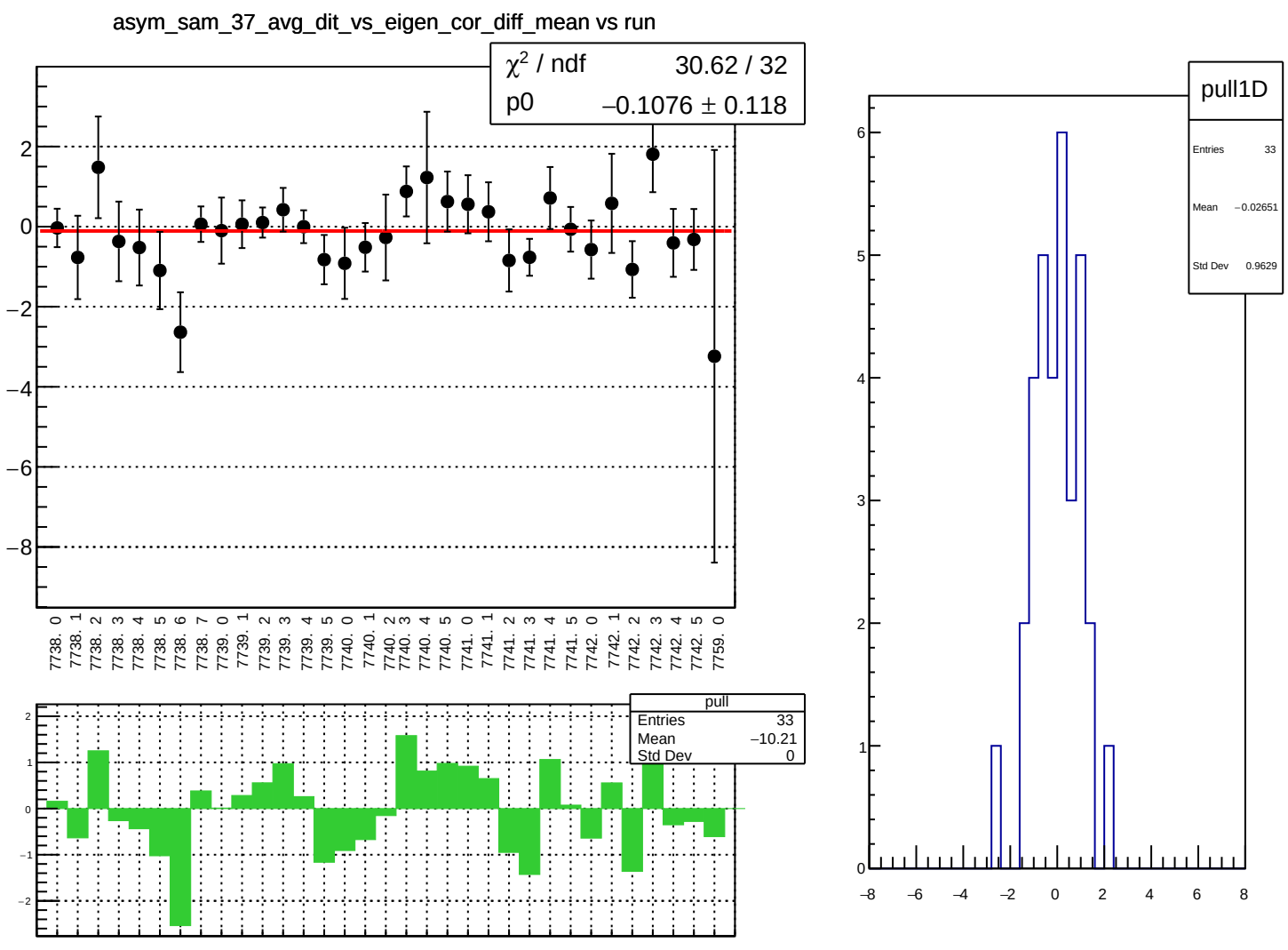

pull1D
Entries 33
Mean 0.1834
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

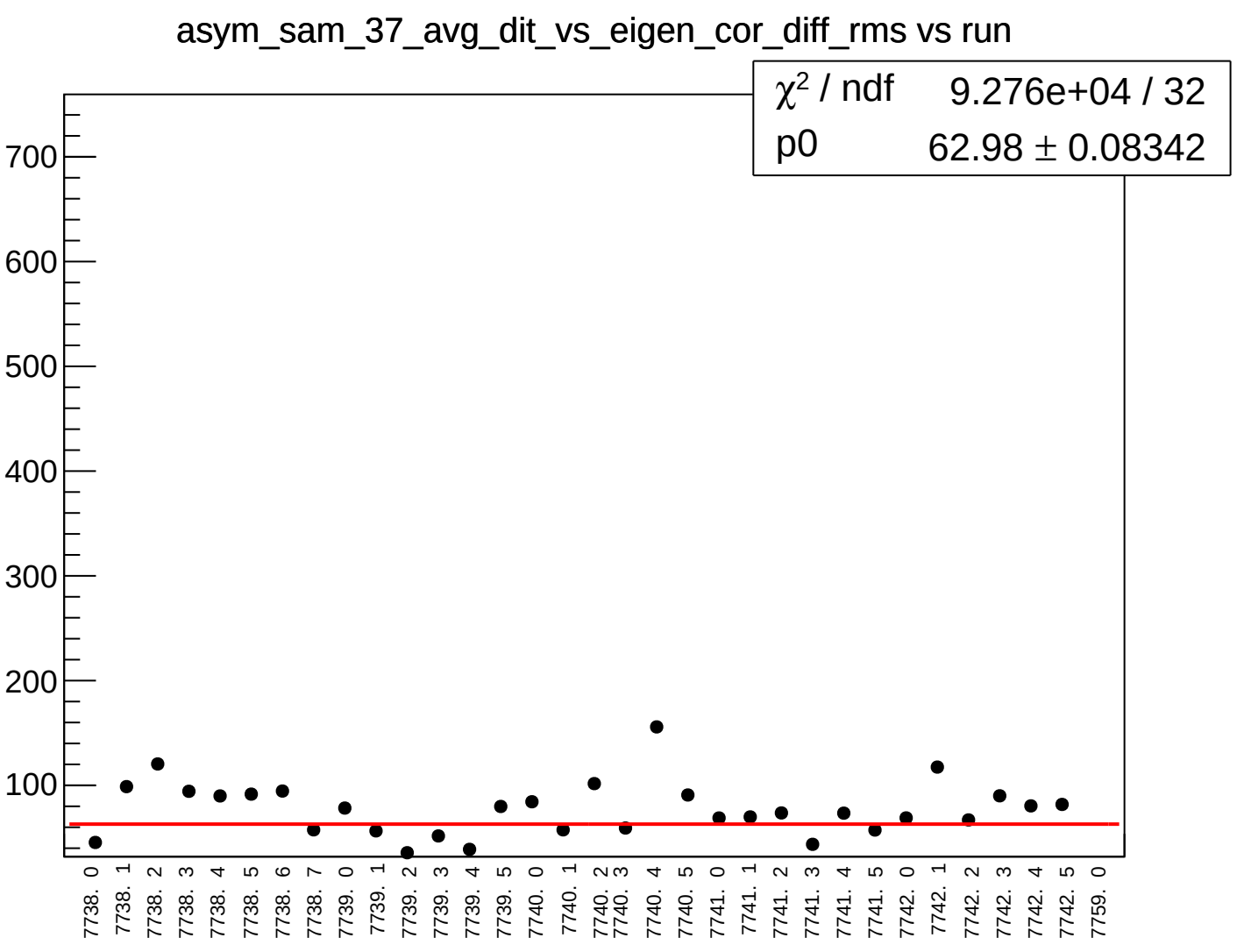

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.709e+05 / 32
p0 3.185e−11 ± 1.051e−13
0.1
0.08
0.06
0.04
0.02
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

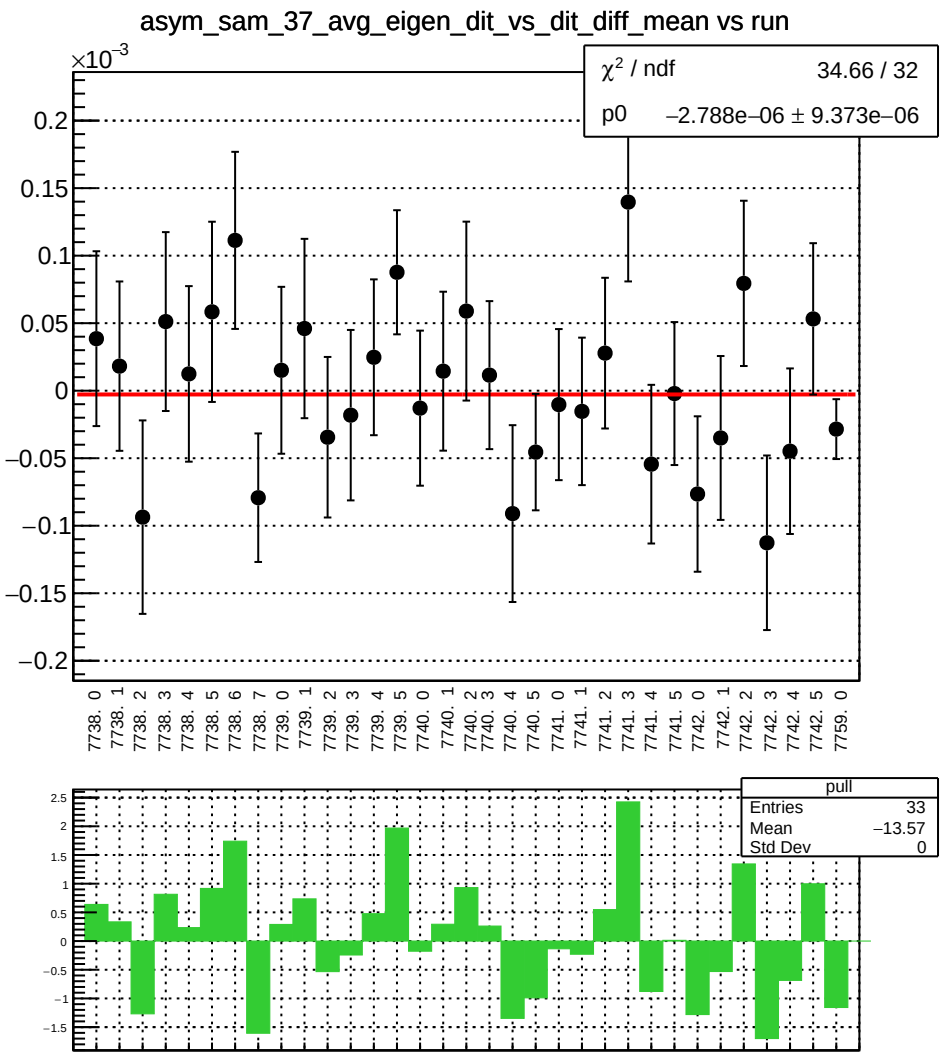

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 30.62 / 32
p0 −0.1076 ± 0.118
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.21
Std Dev 0
2
1
0
−1
−2

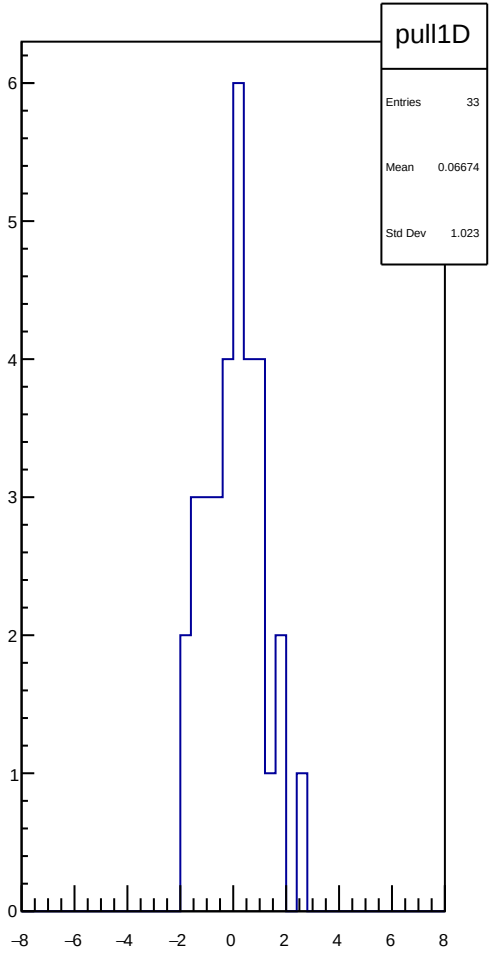

pull1D
Entries 33
Mean −0.02651
Std Dev 0.9629
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

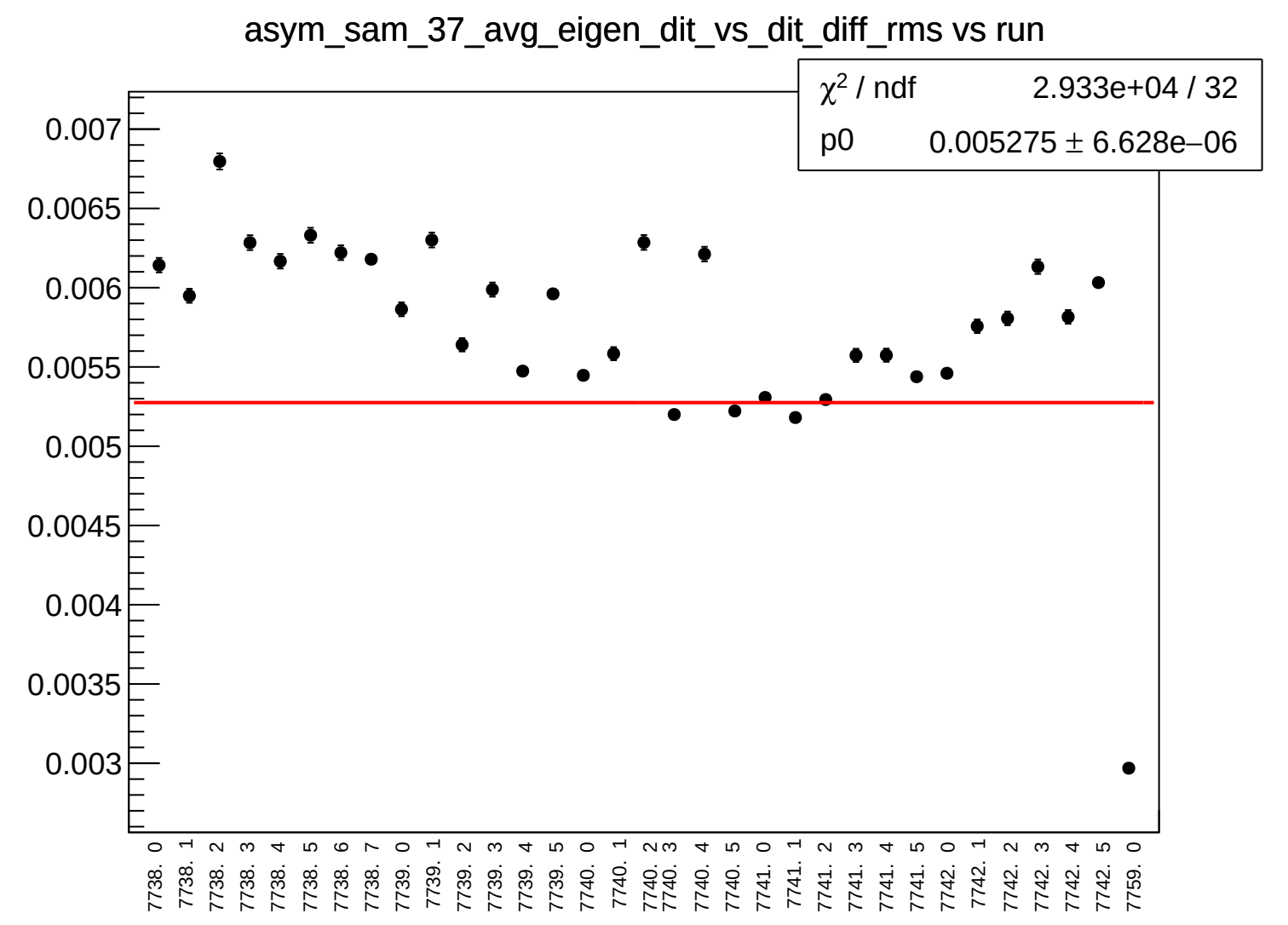

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.276e+04 / 32
p0 62.98 ± 0.08342
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

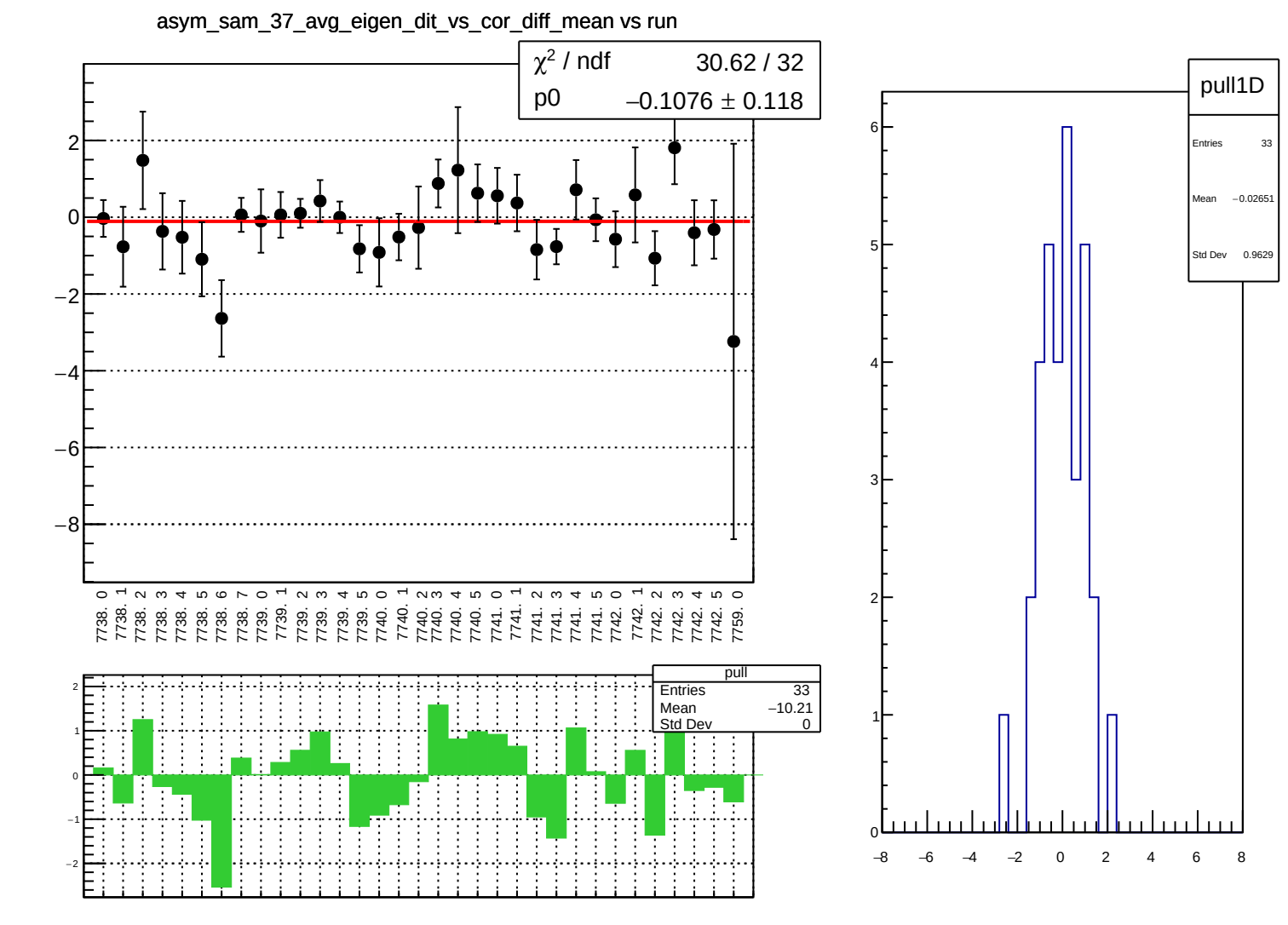

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.62 / 32
p0 −0.1076 ± 0.118
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.21
Std Dev 0
pull1D
Entries 33
Mean −0.02651
Std Dev 0.9629
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

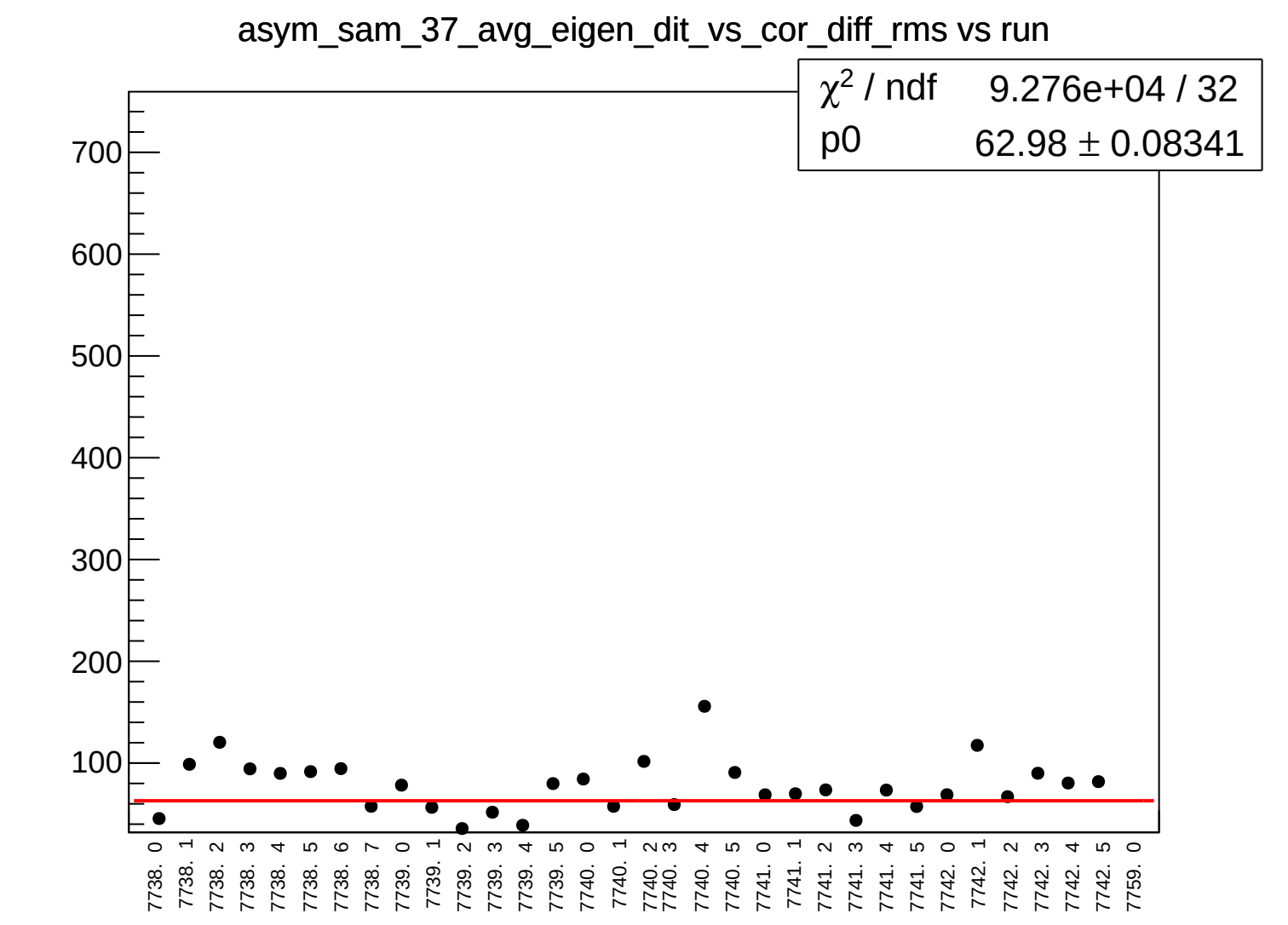

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.276e+04 / 32
p0 62.98 ± 0.08342
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

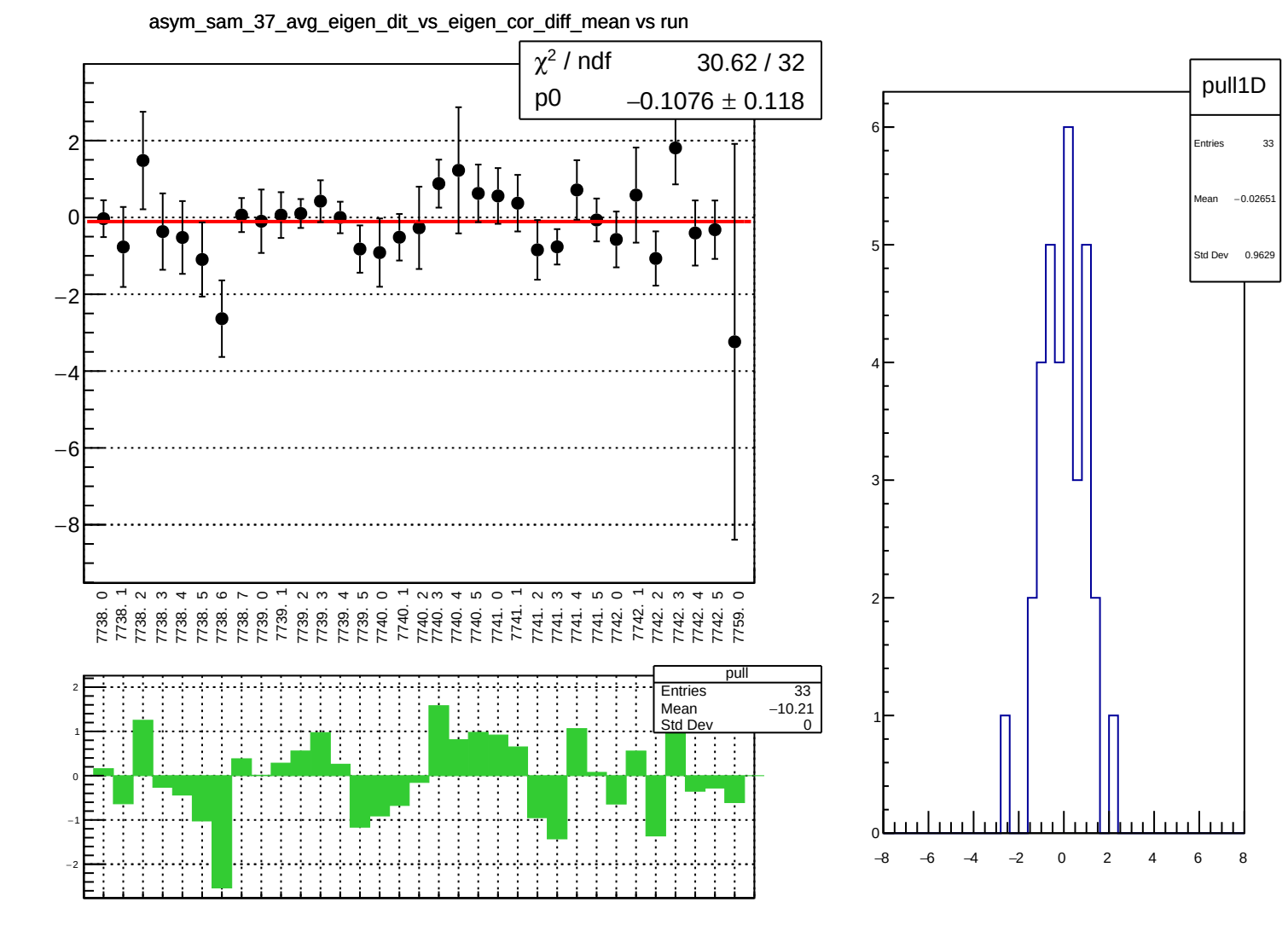

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.66 / 32
p0 −2.788e−06 ± 9.373e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

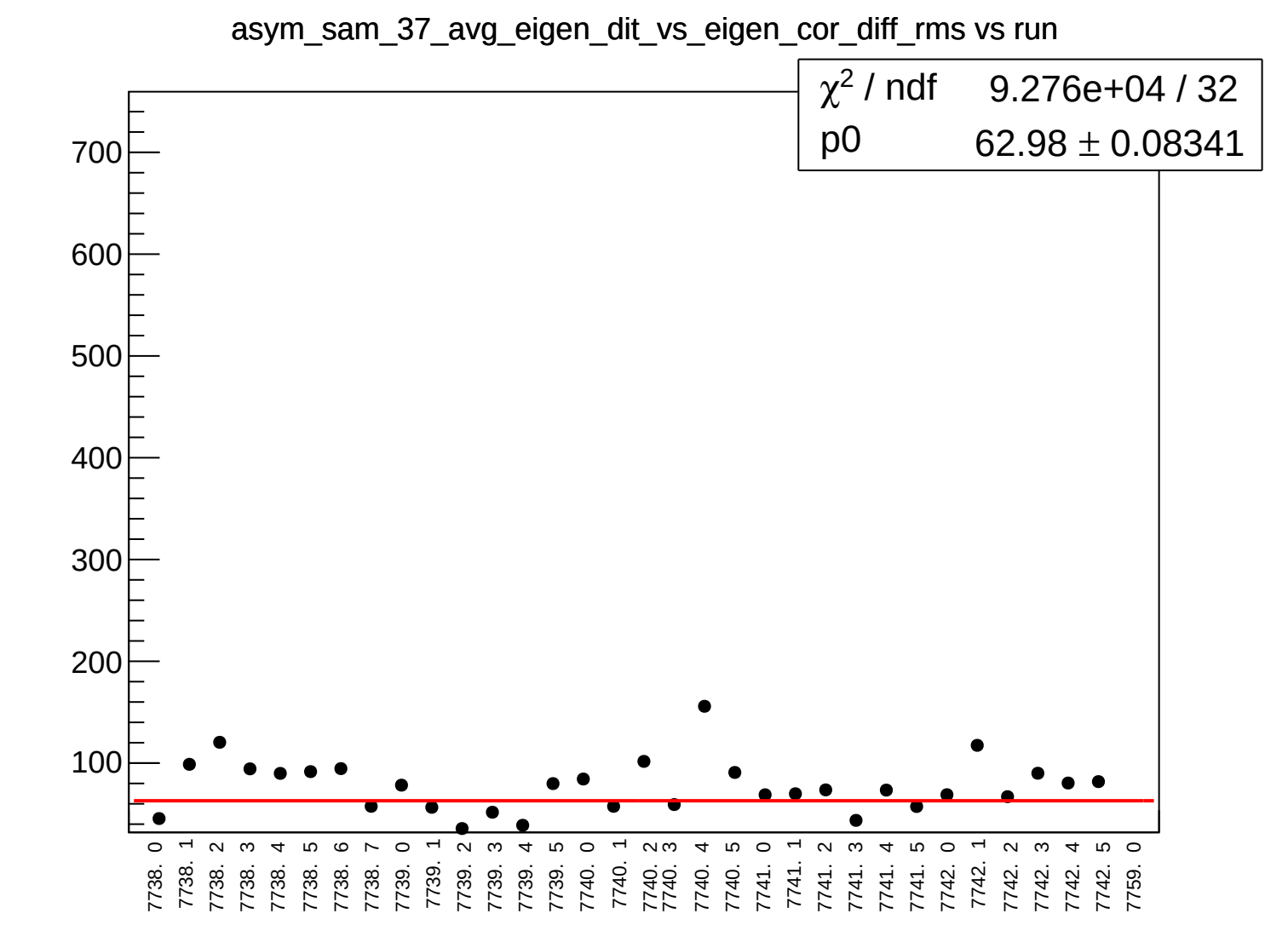

pull1D
Entries 33
Mean 0.06674
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

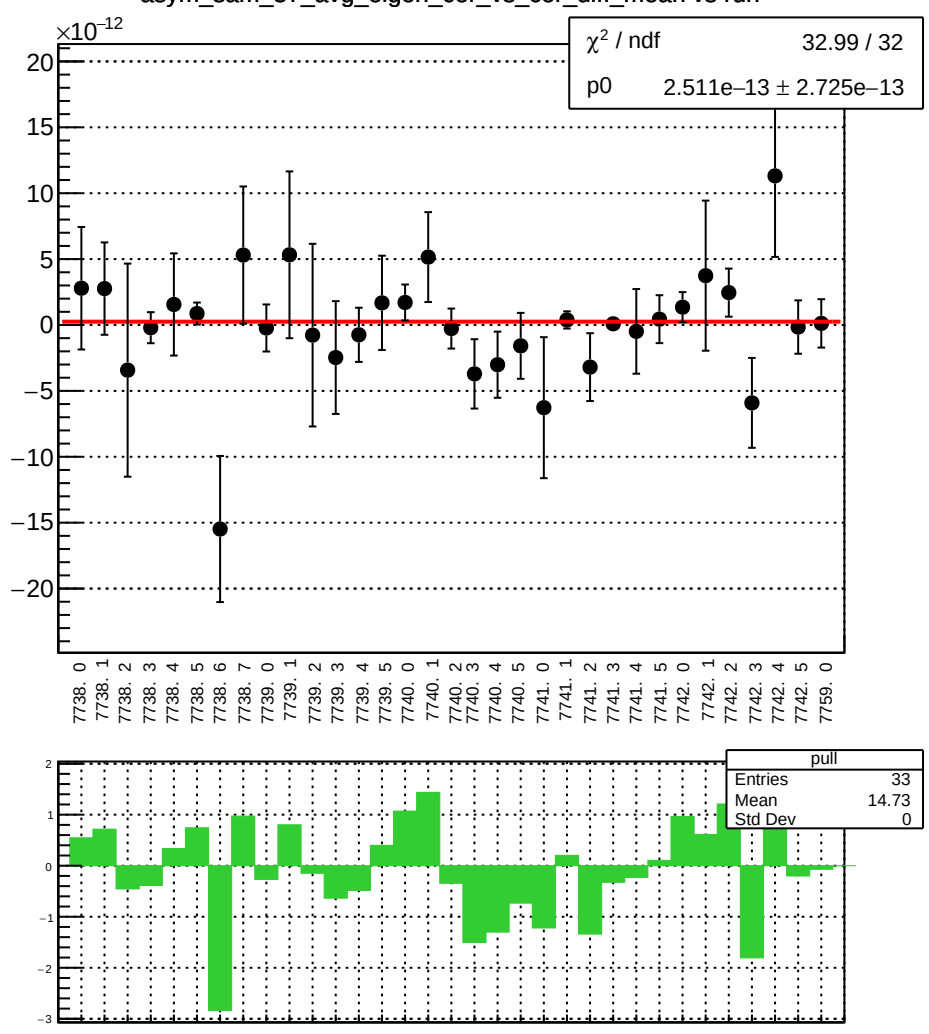

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.933e+04 / 32
p0 0.005275 ± 6.628e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

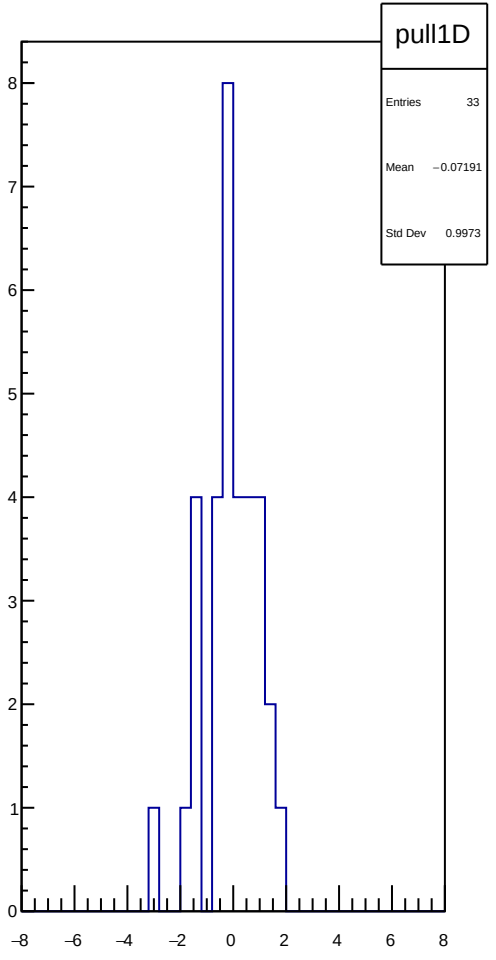

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.62 / 32
p0 −0.1076 ± 0.118
pull
Entries 33
Mean −10.21
Std Dev 0
pull1D
Entries 33
Mean −0.02651
Std Dev 0.9629

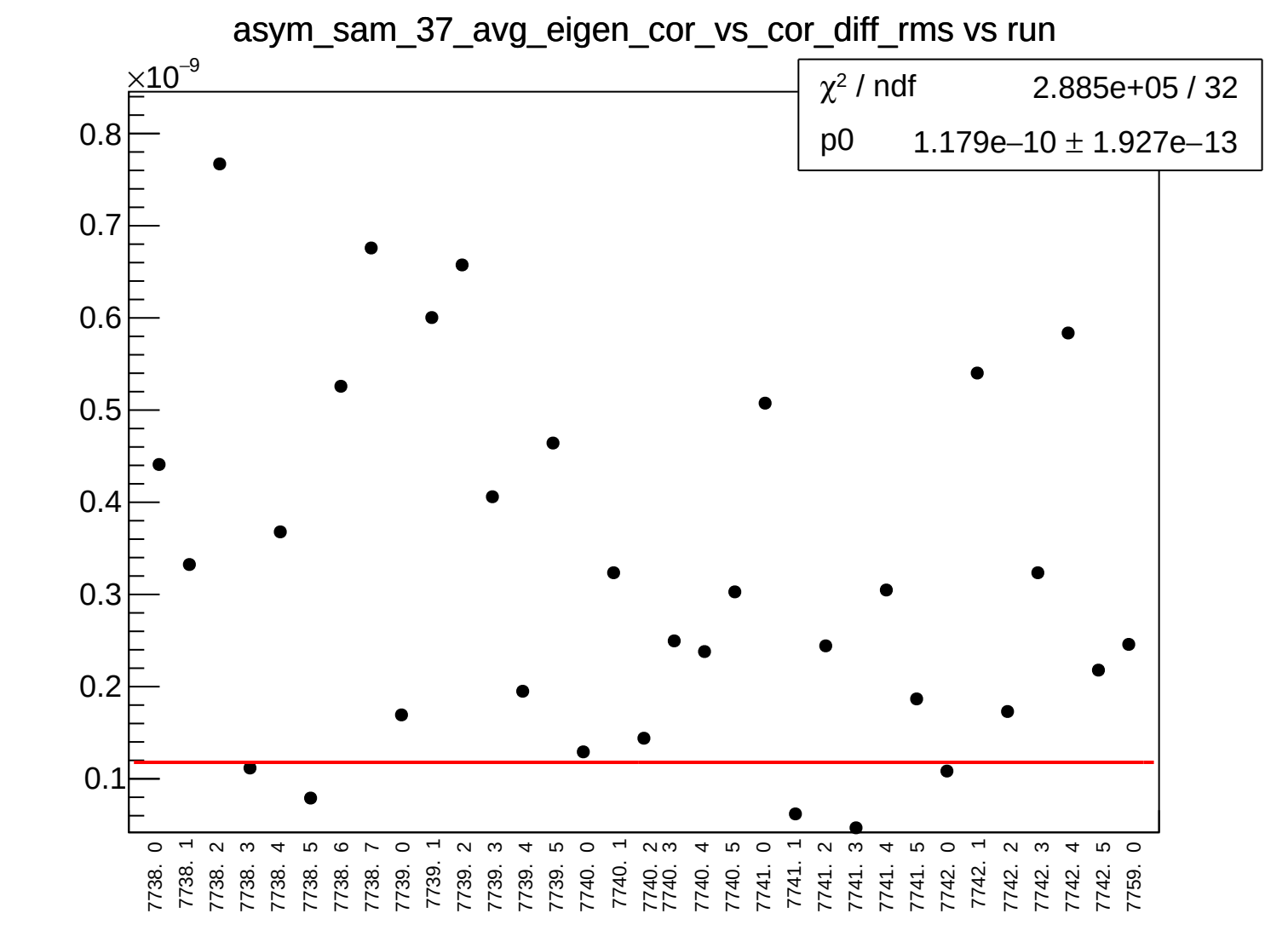

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.276e+04 / 32
p0 62.98 ± 0.08341
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

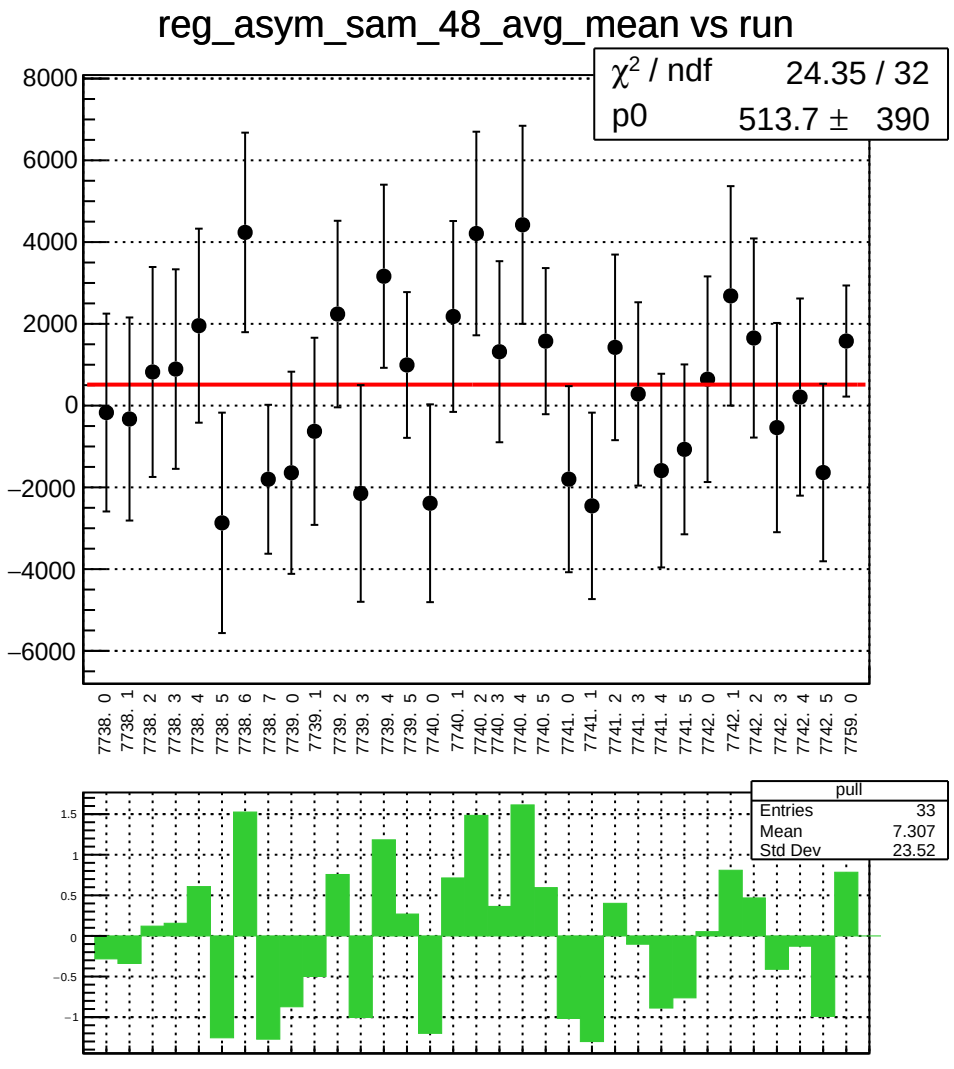

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.62 / 32
p0 −0.1076 ± 0.118
pull
Entries 33
Mean −10.21
Std Dev 0
pull1D
Entries 33
Mean −0.02651
Std Dev 0.9629

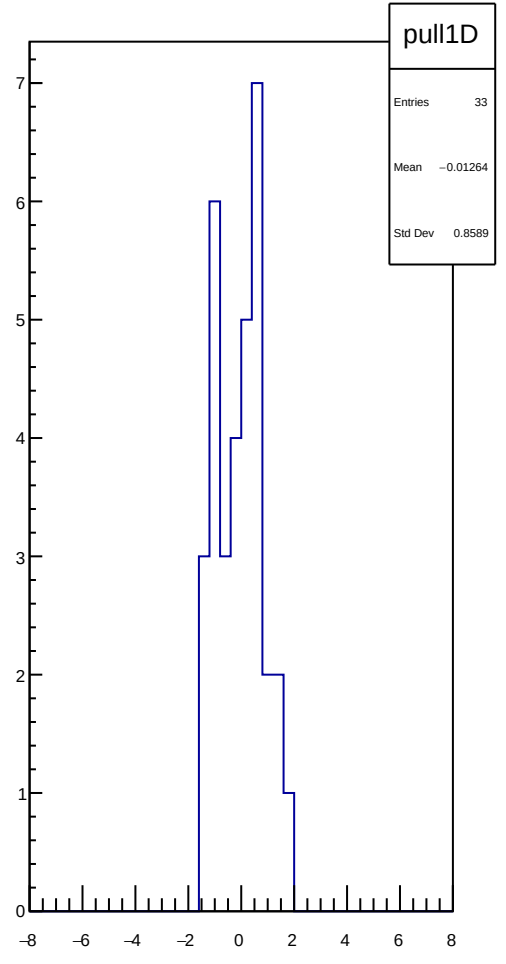

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 9.276e+04 / 32
p0 62.98 ± 0.08341
700
600
500
400
300
200
100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

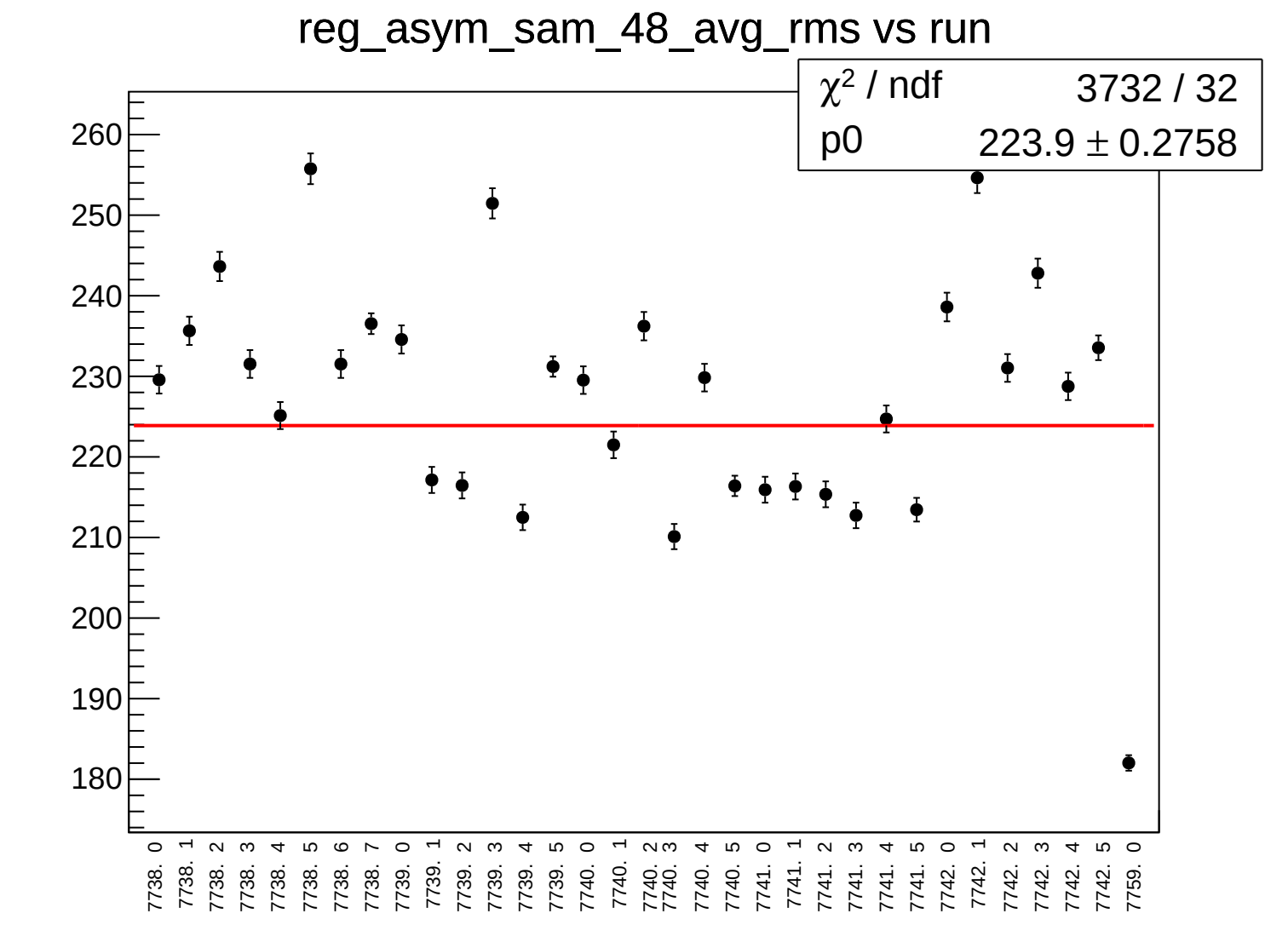

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.99 / 32
p0 2.511e−13 ± 2.725e−13
20
15
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.73
Std Dev 0
2
1
0
−1
−2
−3

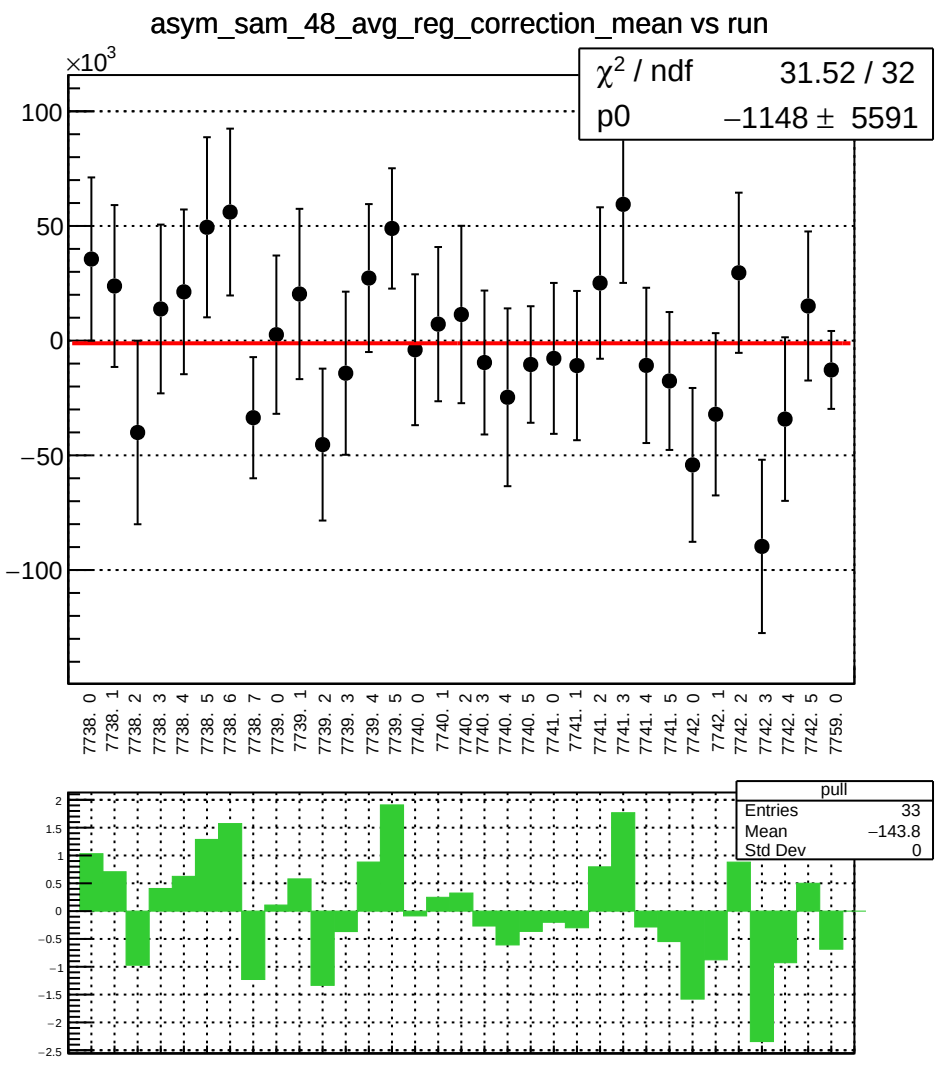

pull1D
Entries 33
Mean −0.07191
Std Dev 0.9973
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

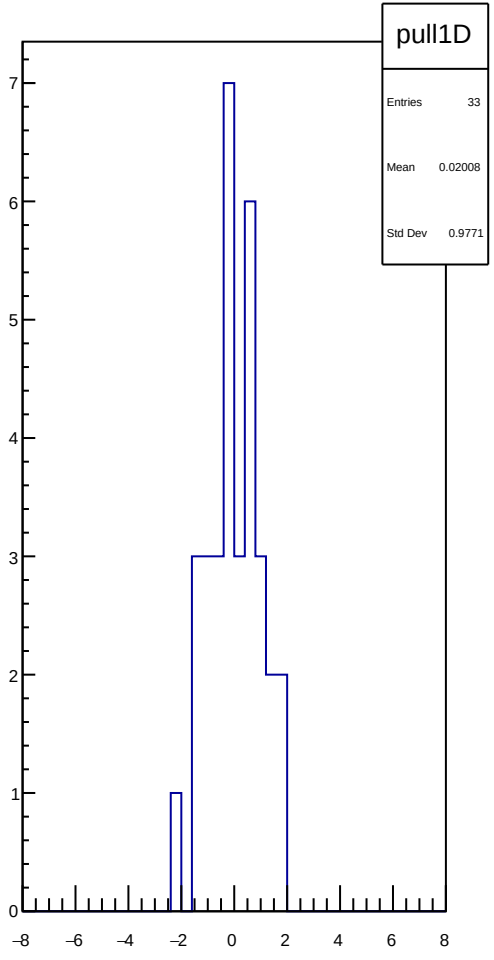

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.885e+05 / 32
p0 1.179e−10 ± 1.927e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

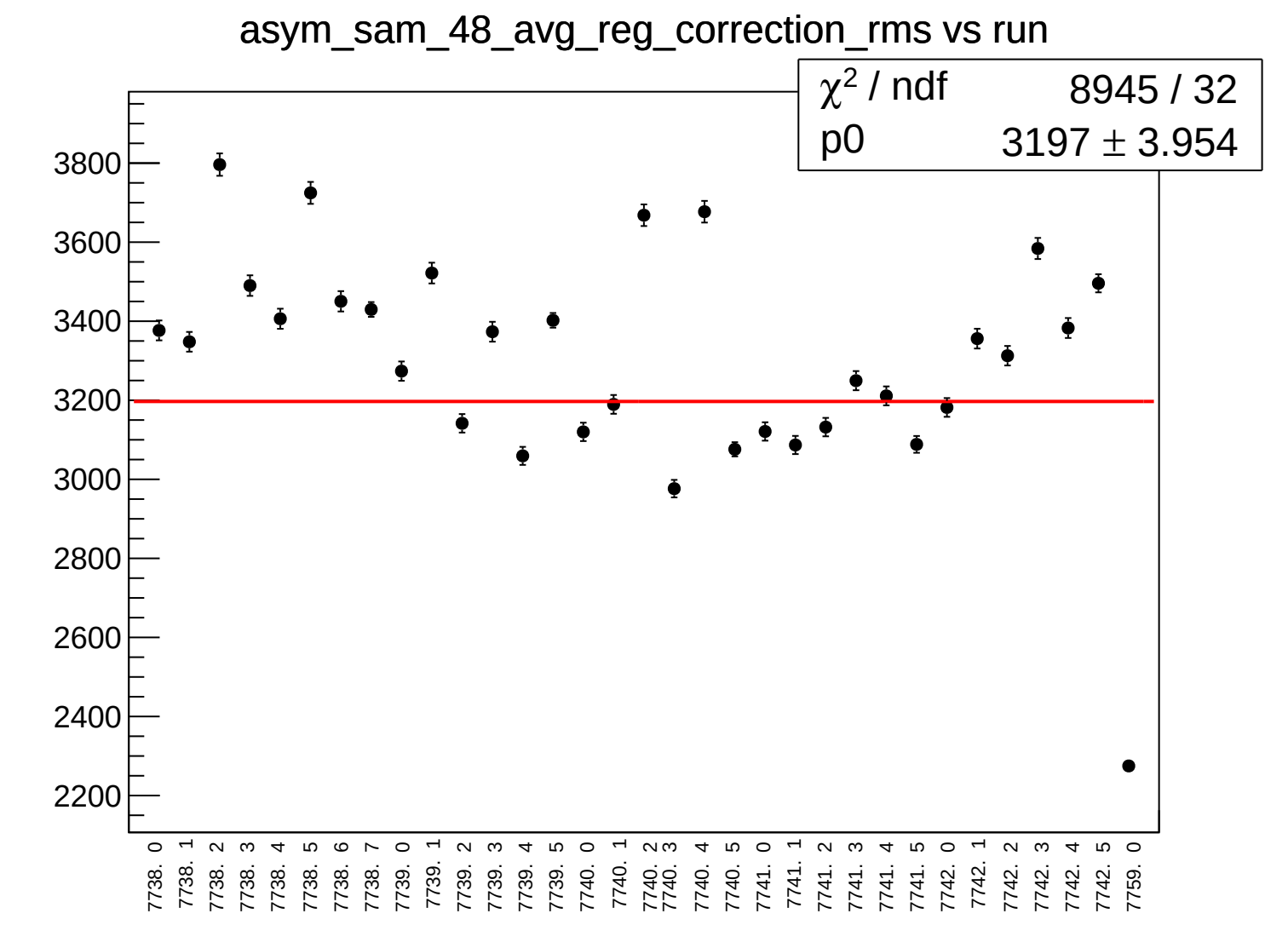

reg_asym_sam_48_avg_mean vs run
χ² / ndf 24.35 / 32
p0 513.7 ± 390
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.307
Std Dev 23.52
1.5
1
0.5
0
−0.5
−1

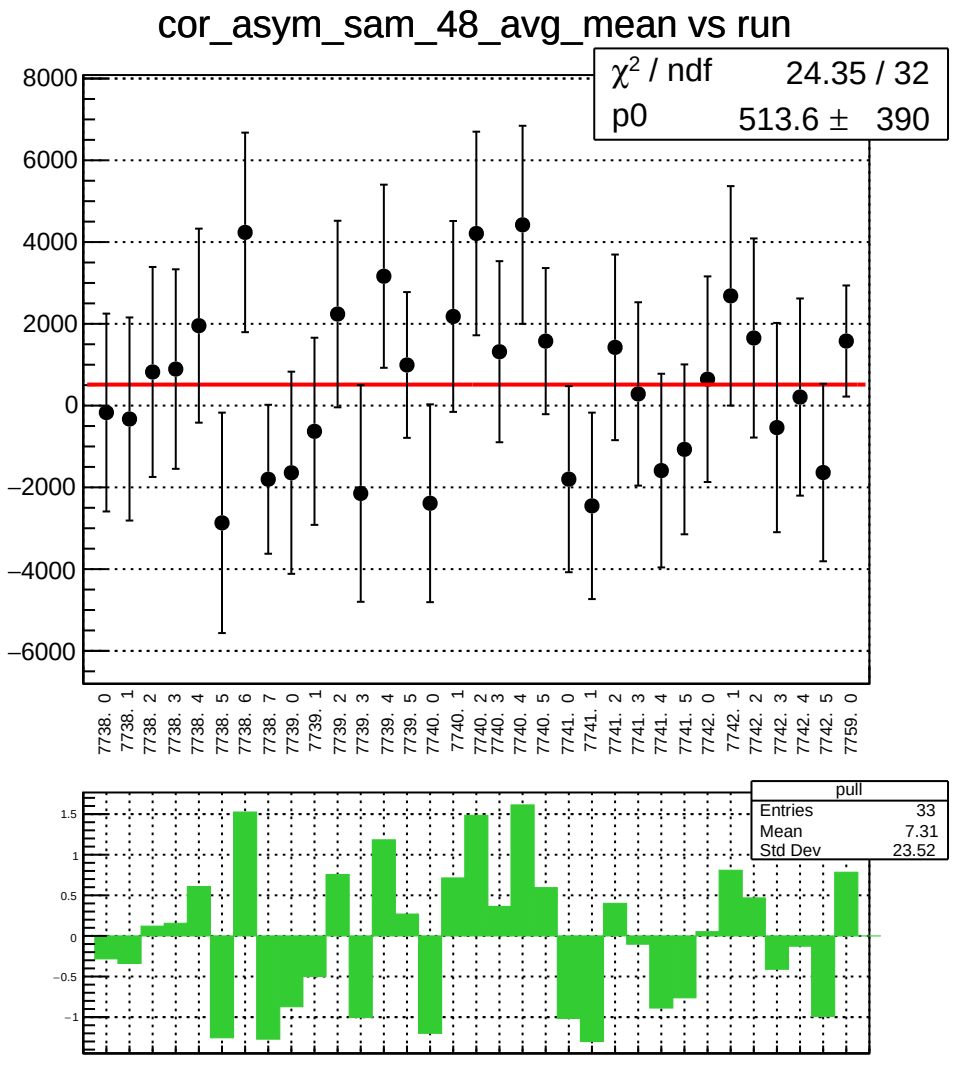

pull1D
Entries 33
Mean −0.01264
Std Dev 0.8589
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

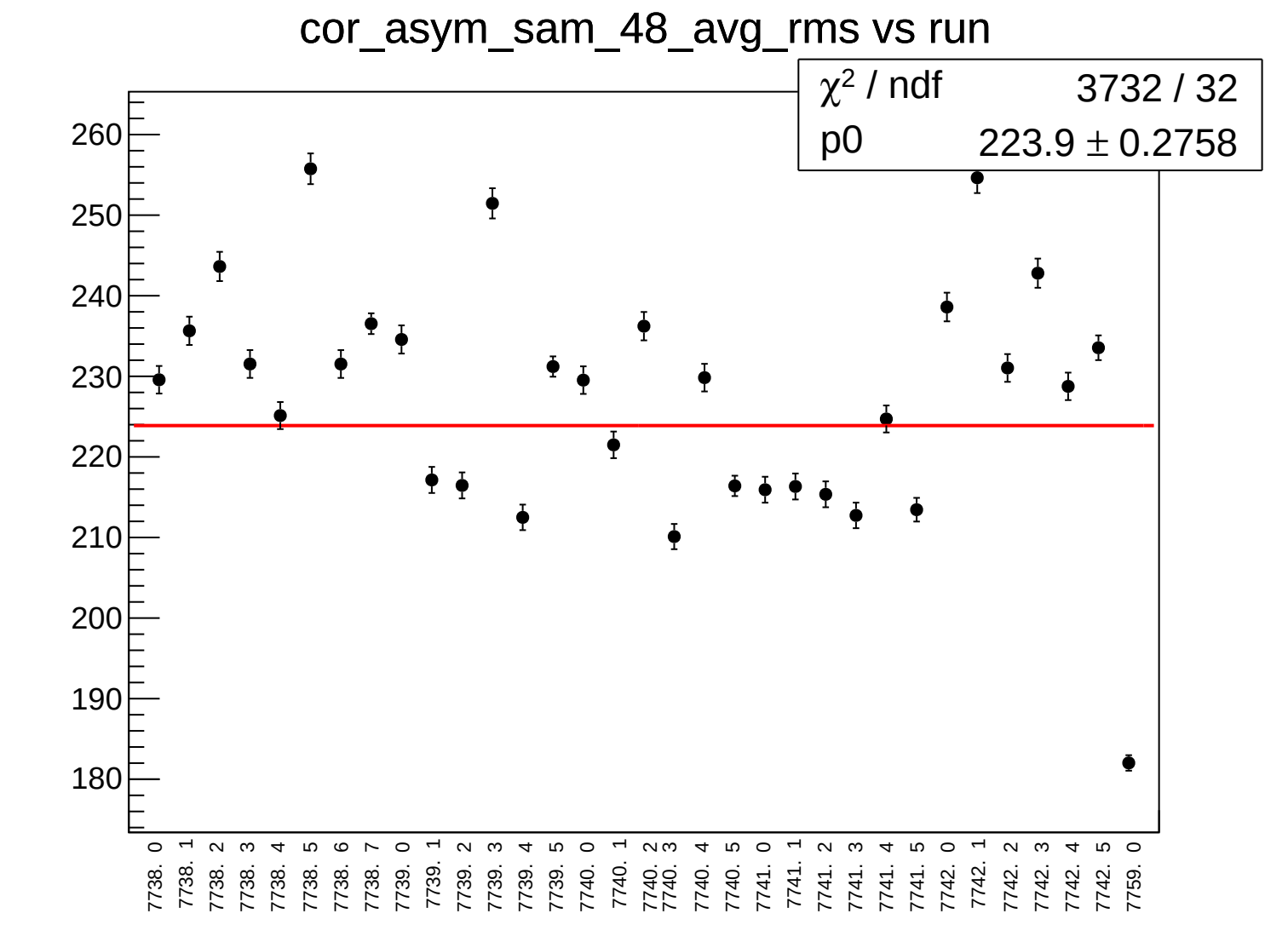

reg_asym_sam_48_avg_rms vs run
χ² / ndf 3732 / 32
p0 223.9 ± 0.2758
260
250
240
230
220
210
200
190
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

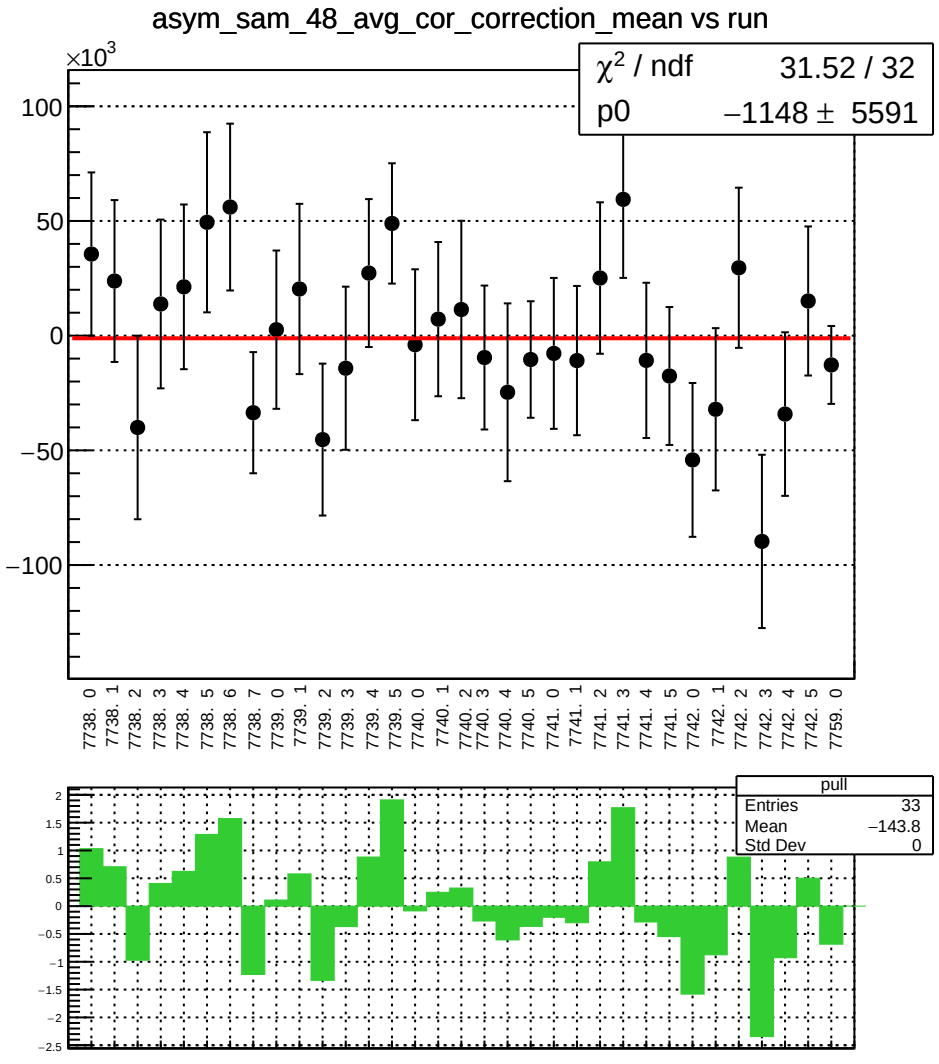

asym_sam_48_avg_reg_correction_mean vs run
×10^3
χ² / ndf 31.52 / 32
p0 −1148 ± 5591
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −143.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

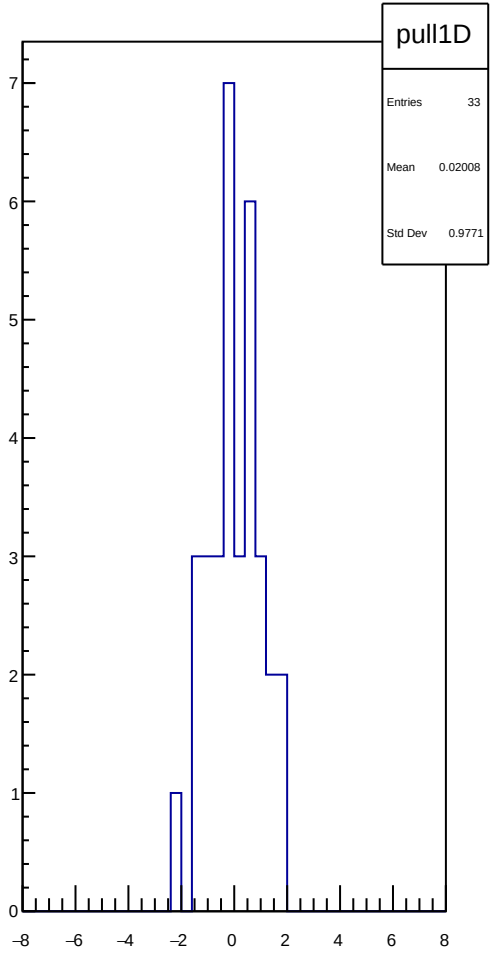

pull1D
Entries 33
Mean 0.02008
Std Dev 0.9771
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

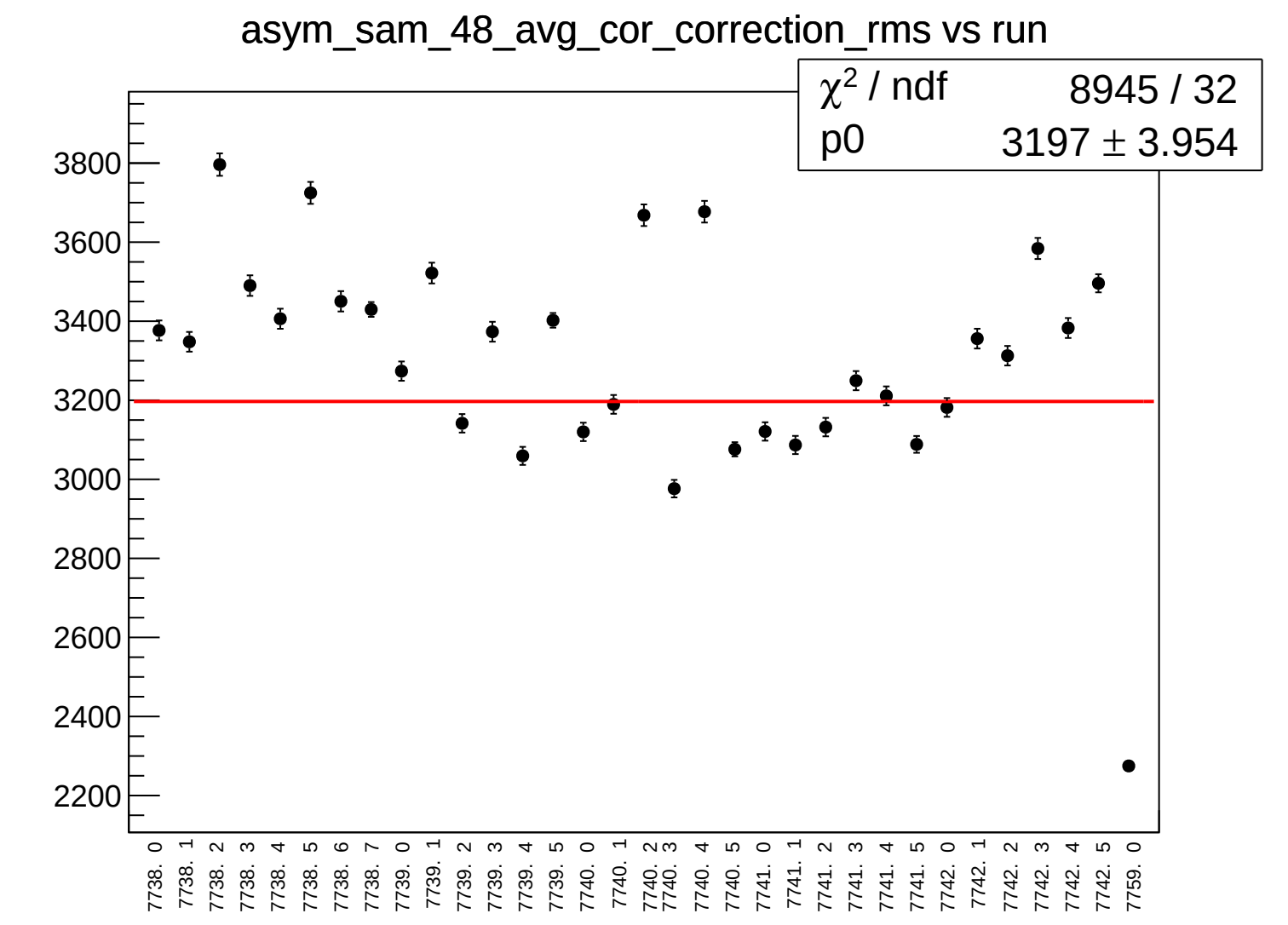

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 8945 / 32
p0 3197 ± 3.954
3800
3600
3400
3200
3000
2800
2600
2400
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

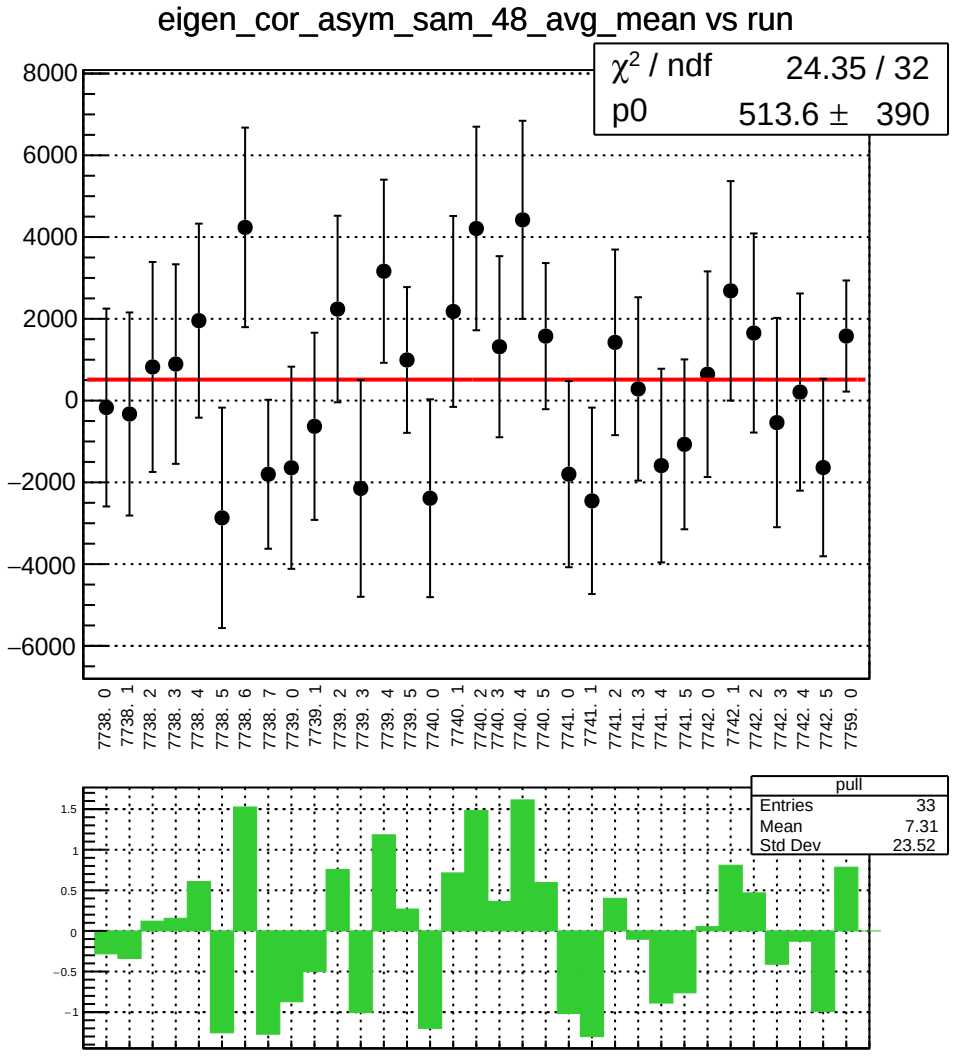

cor_asym_sam_48_avg_mean vs run
χ² / ndf 24.35 / 32
p0 513.6 ± 390
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.31
Std Dev 23.52
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.01264
Std Dev 0.8588
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

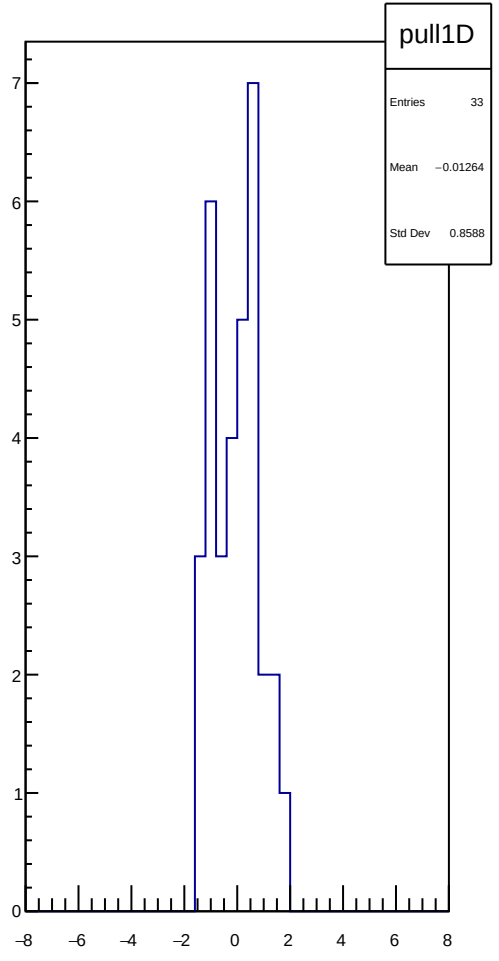

cor_asym_sam_48_avg_rms vs run
χ² / ndf 3732 / 32
p0 223.9 ± 0.2758
260
250
240
230
220
210
200
190
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

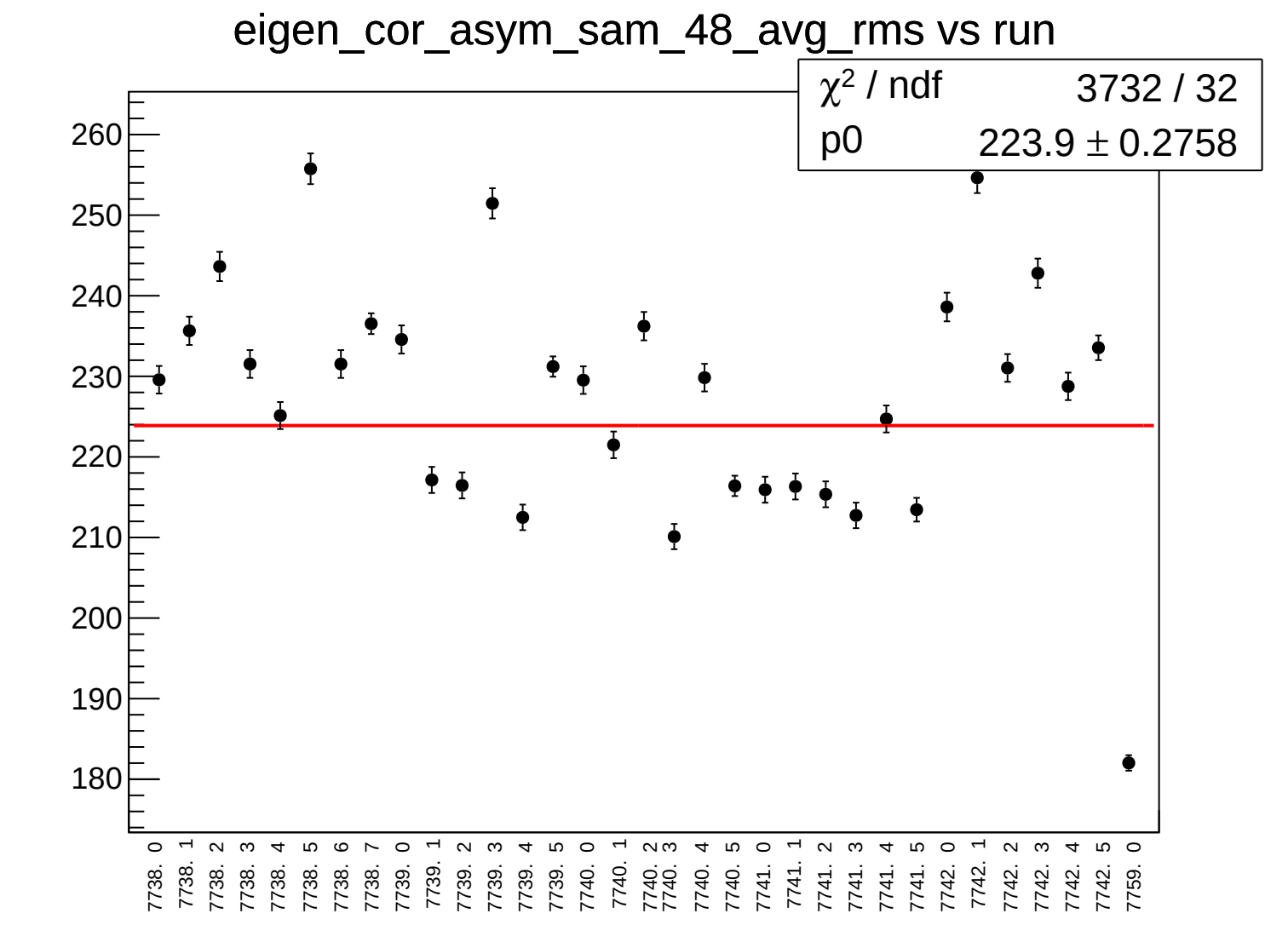

asym_sam_48_avg_cor_correction_mean vs run
×10^3
χ² / ndf 31.52 / 32
p0 −1148 ± 5591
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −143.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

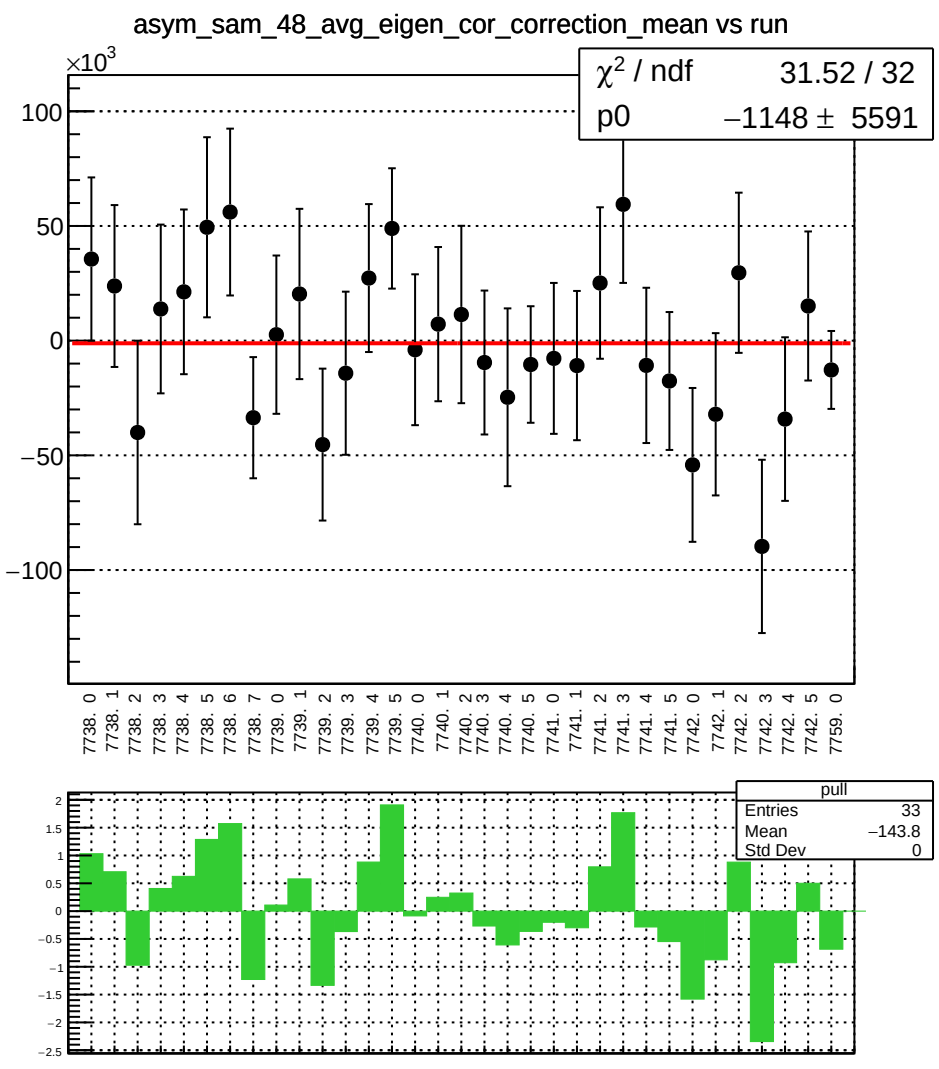

pull1D
Entries 33
Mean 0.02008
Std Dev 0.9771
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

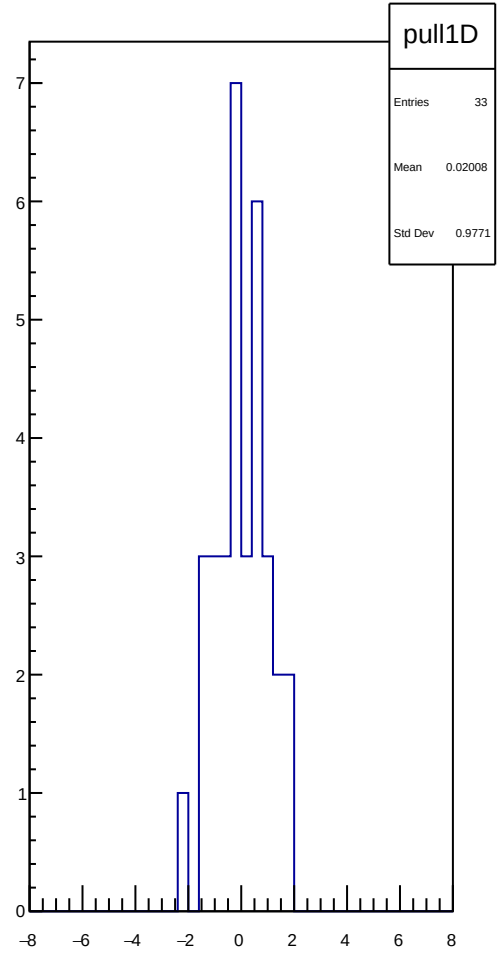

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 8945 / 32
p0 3197 ± 3.954
3800
3600
3400
3200
3000
2800
2600
2400
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

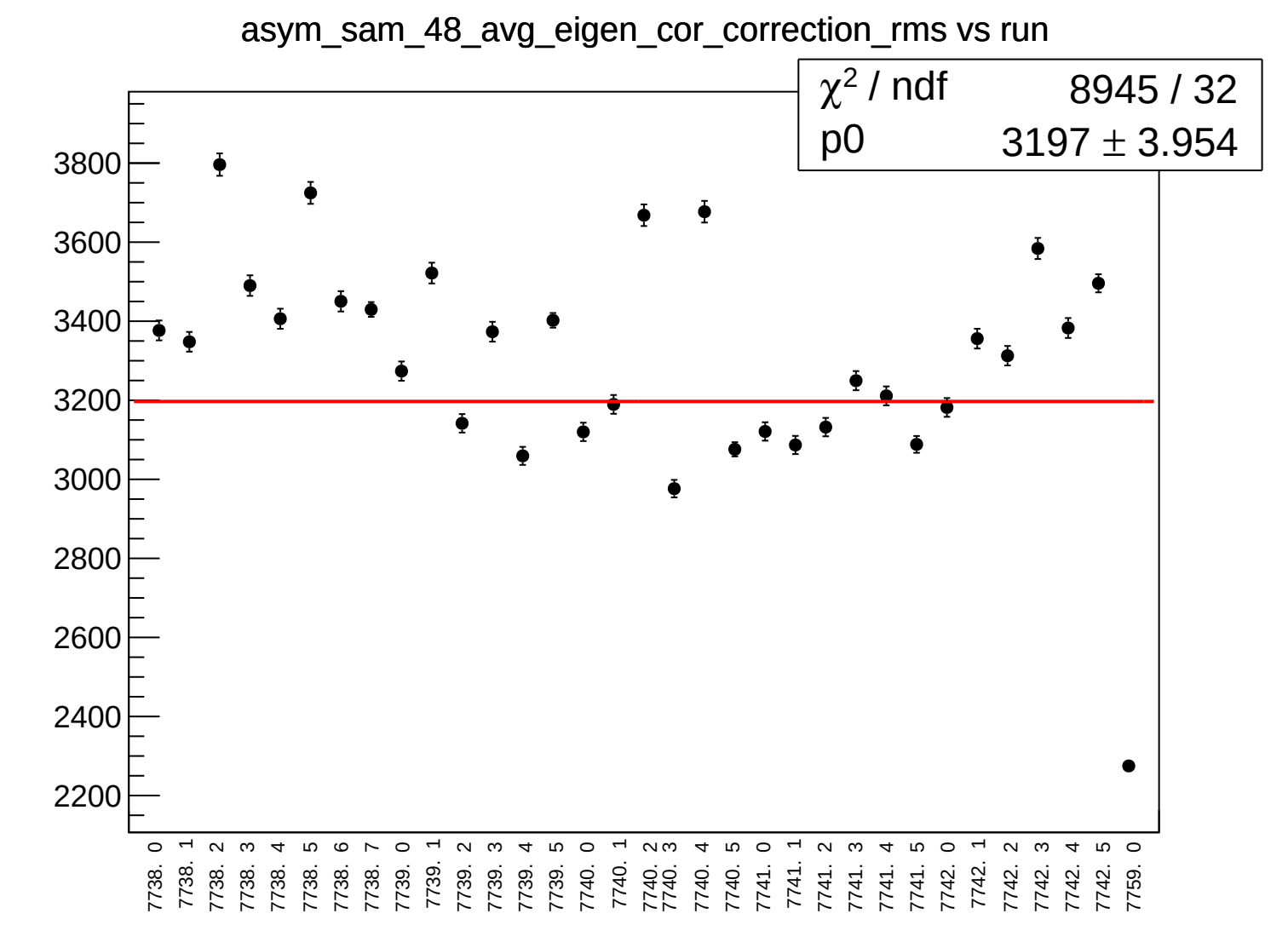

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 24.35 / 32
p0 513.6 ± 390
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.31
Std Dev 23.52
1.5
1
0.5
0
−0.5
−1

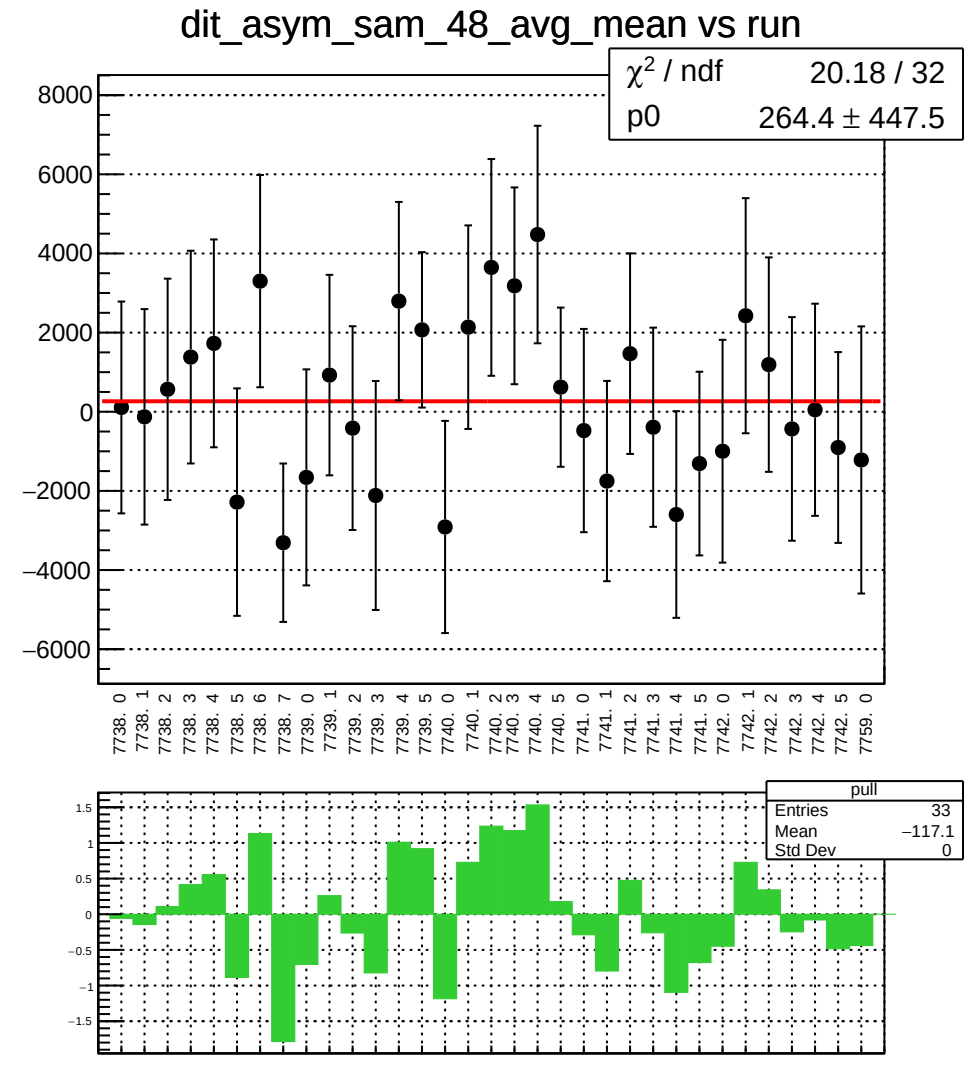

pull1D
Entries 33
Mean −0.01264
Std Dev 0.8588
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

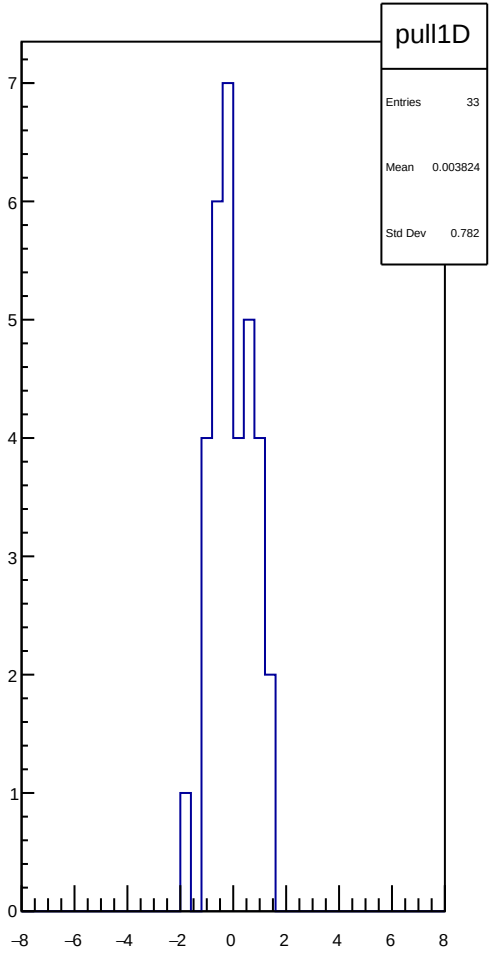

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 3732 / 32
p0 223.9 ± 0.2758
260
250
240
230
220
210
200
190
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

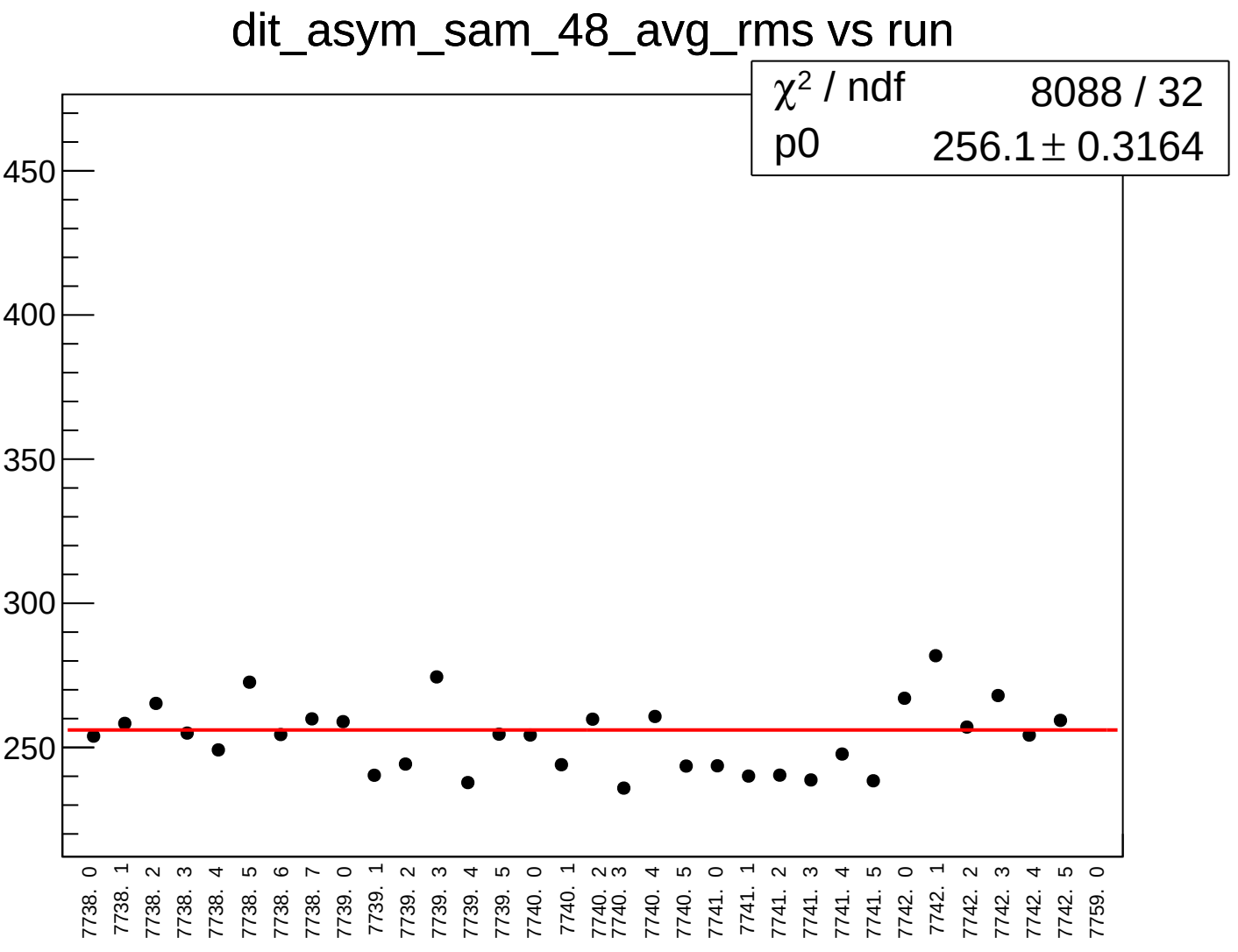

asym_sam_48_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.52 / 32
p0 −1148 ± 5591
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −143.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

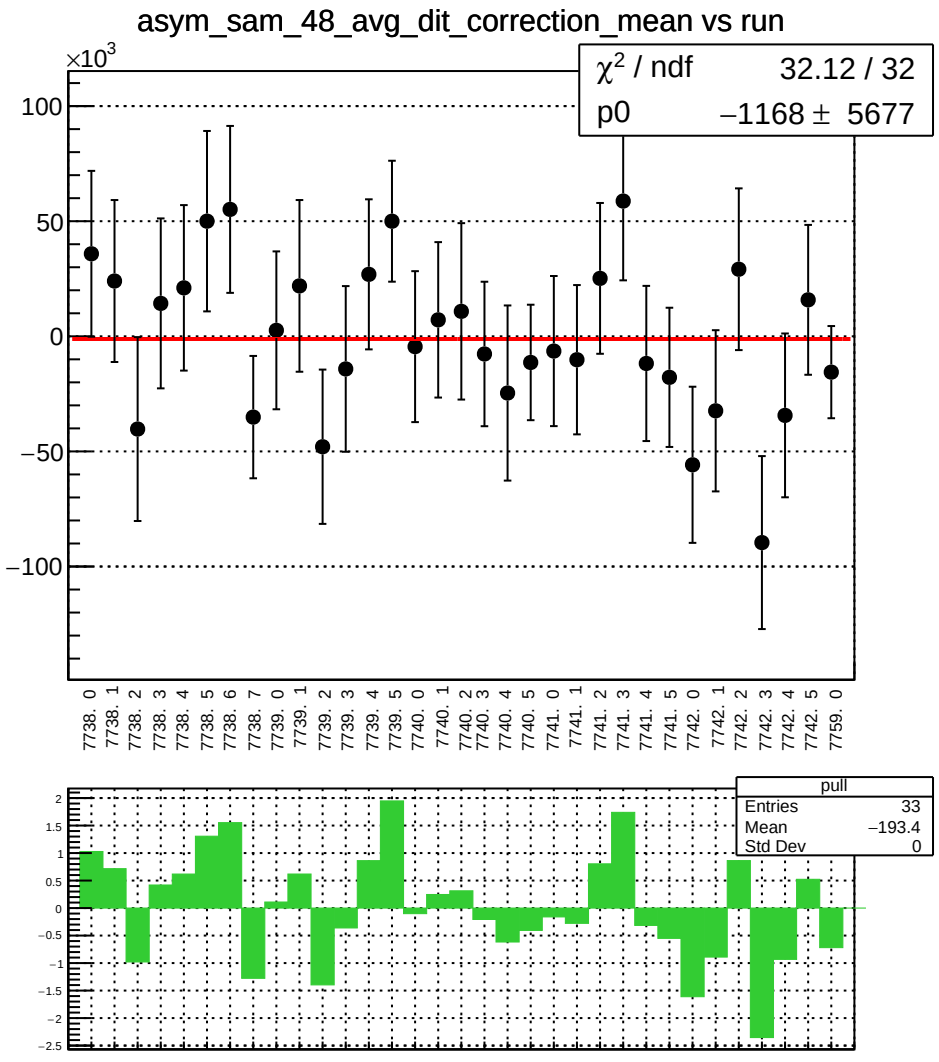

pull1D
Entries 33
Mean 0.02008
Std Dev 0.9771
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

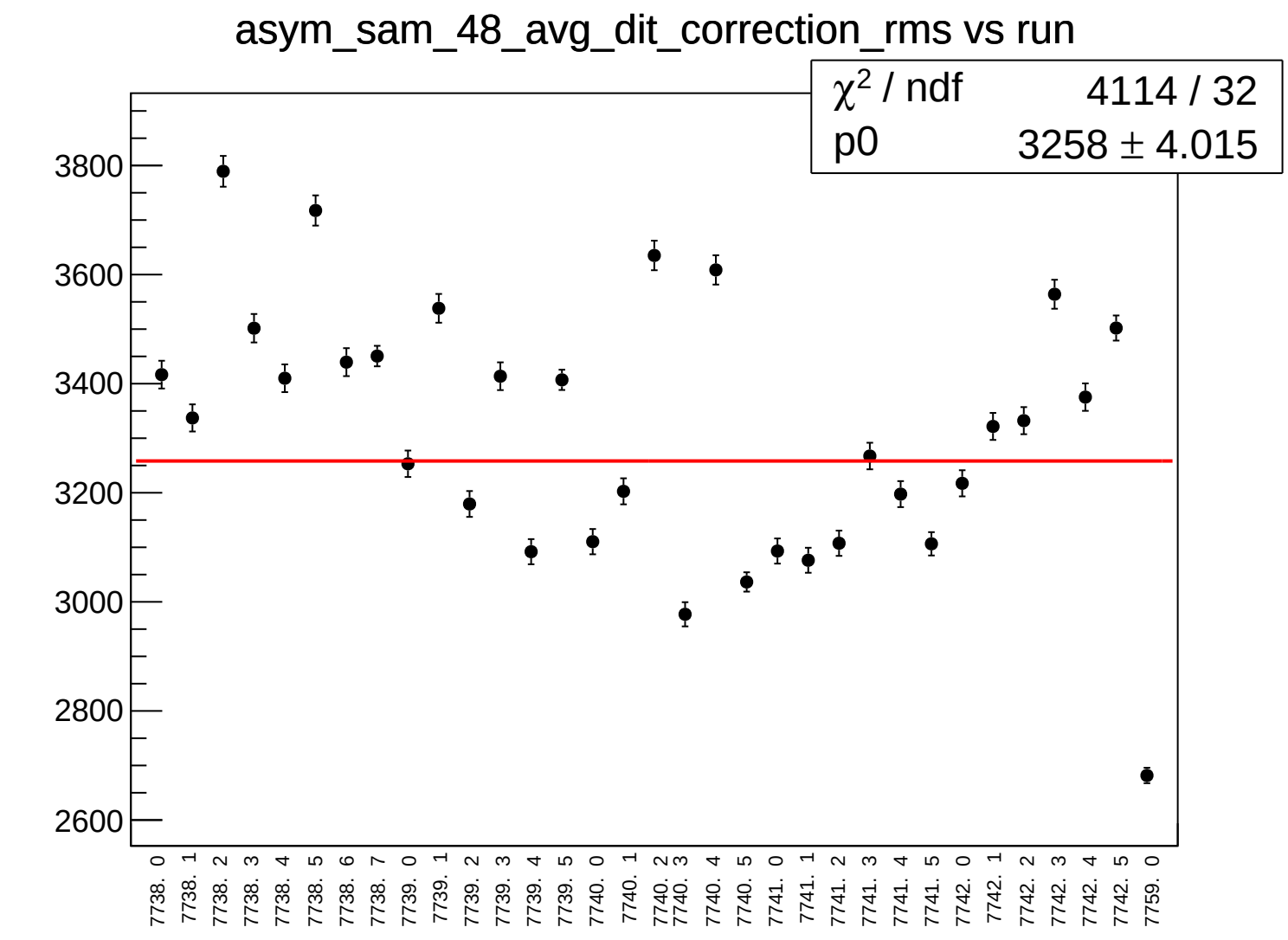

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 8945 / 32
p0 3197 ± 3.954
3800
3600
3400
3200
3000
2800
2600
2400
2200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

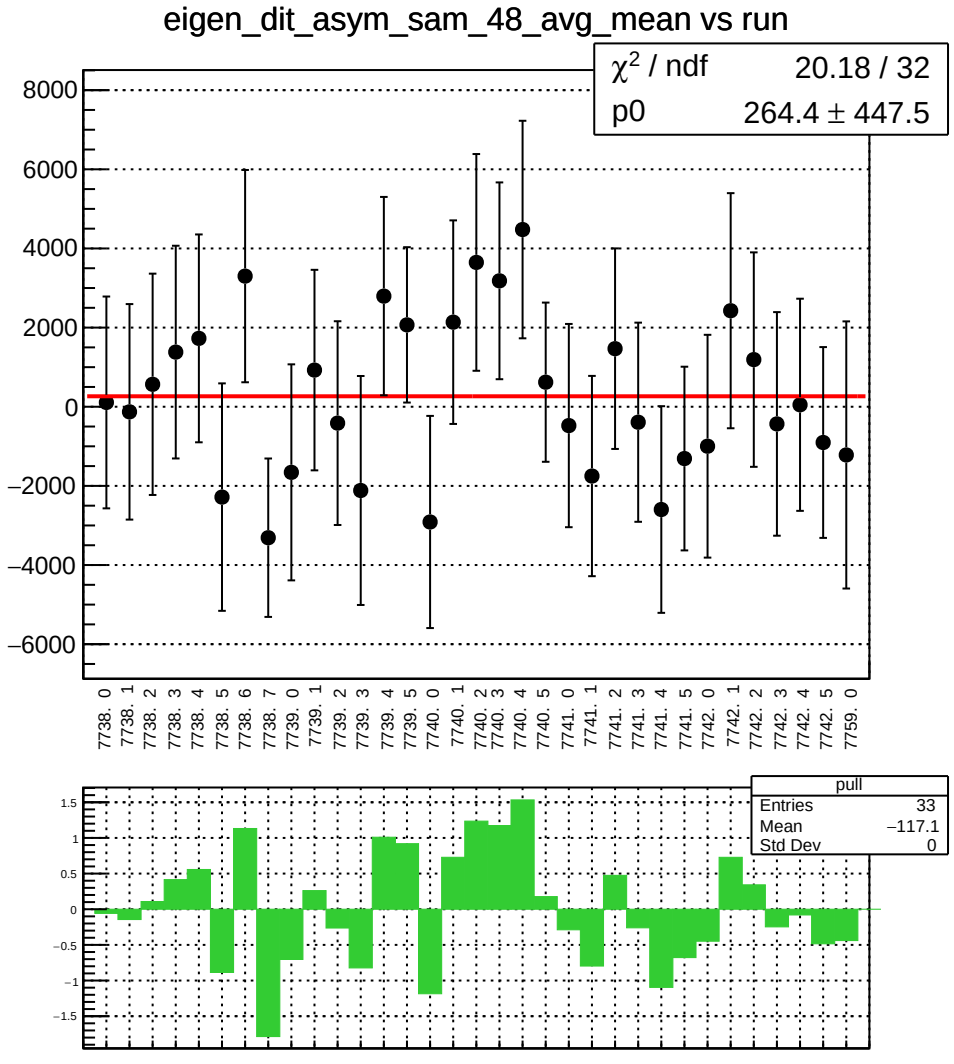

dit_asym_sam_48_avg_mean vs run
χ² / ndf 20.18 / 32
p0 264.4 ± 447.5
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −117.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

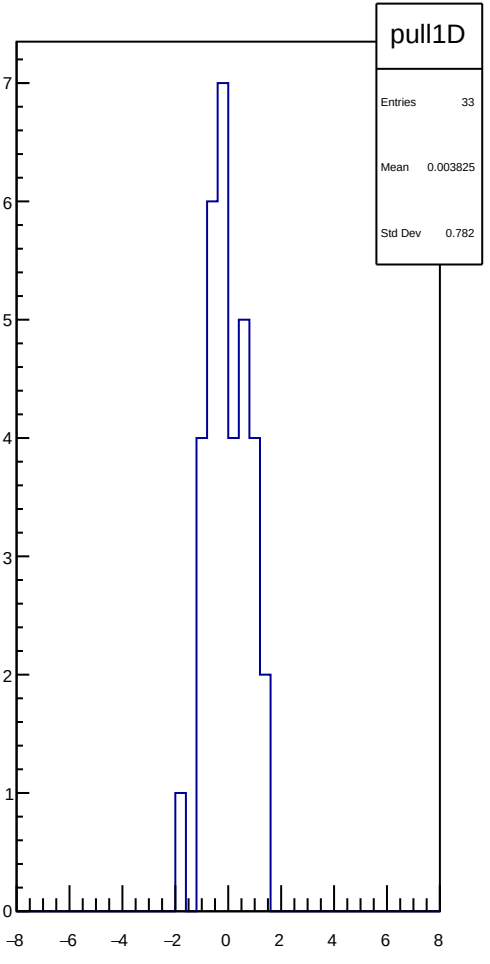

pull1D
Entries 33
Mean 0.003824
Std Dev 0.782
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

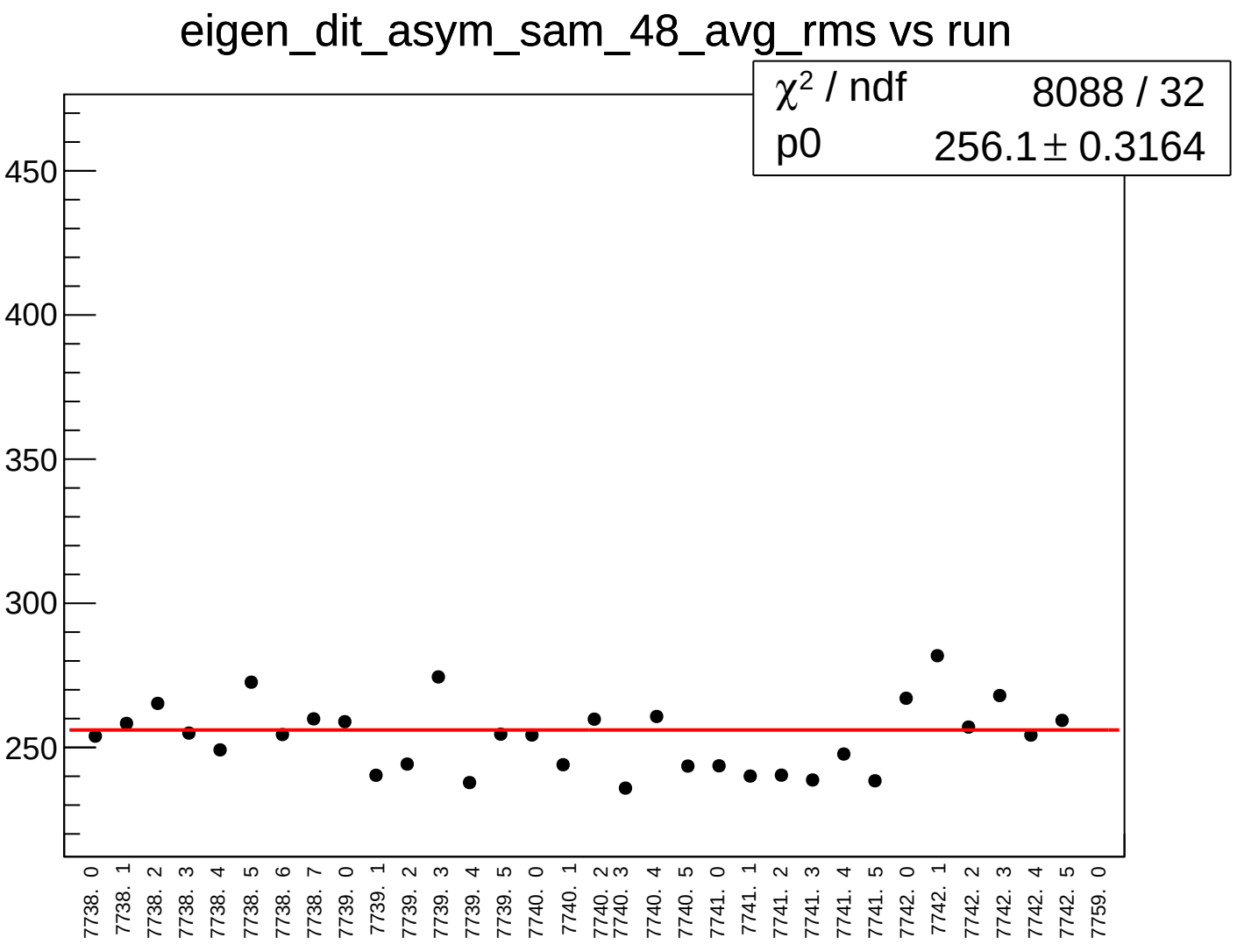

dit_asym_sam_48_avg_rms vs run
χ² / ndf 8088 / 32
p0 256.1 ± 0.3164
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

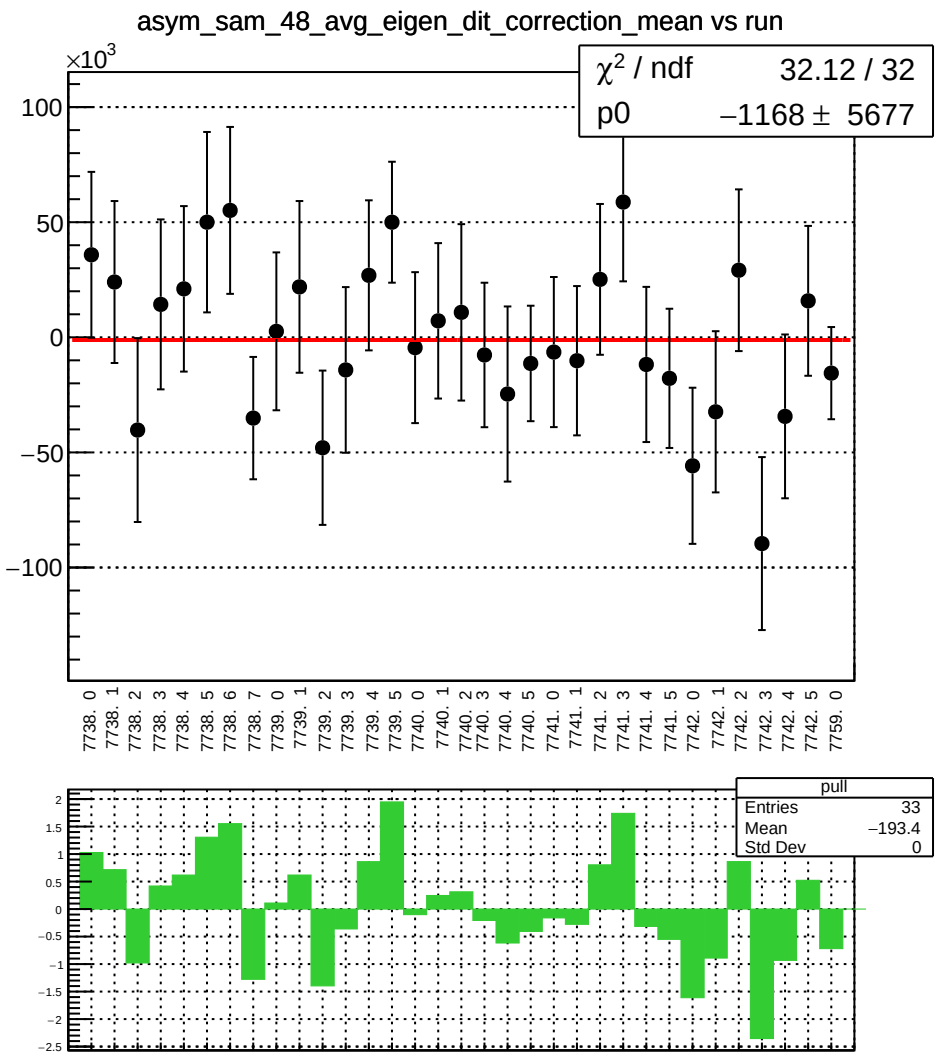

asym_sam_48_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.12 / 32
p0 −1168 ± 5677
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −193.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01547
Std Dev 0.9864
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

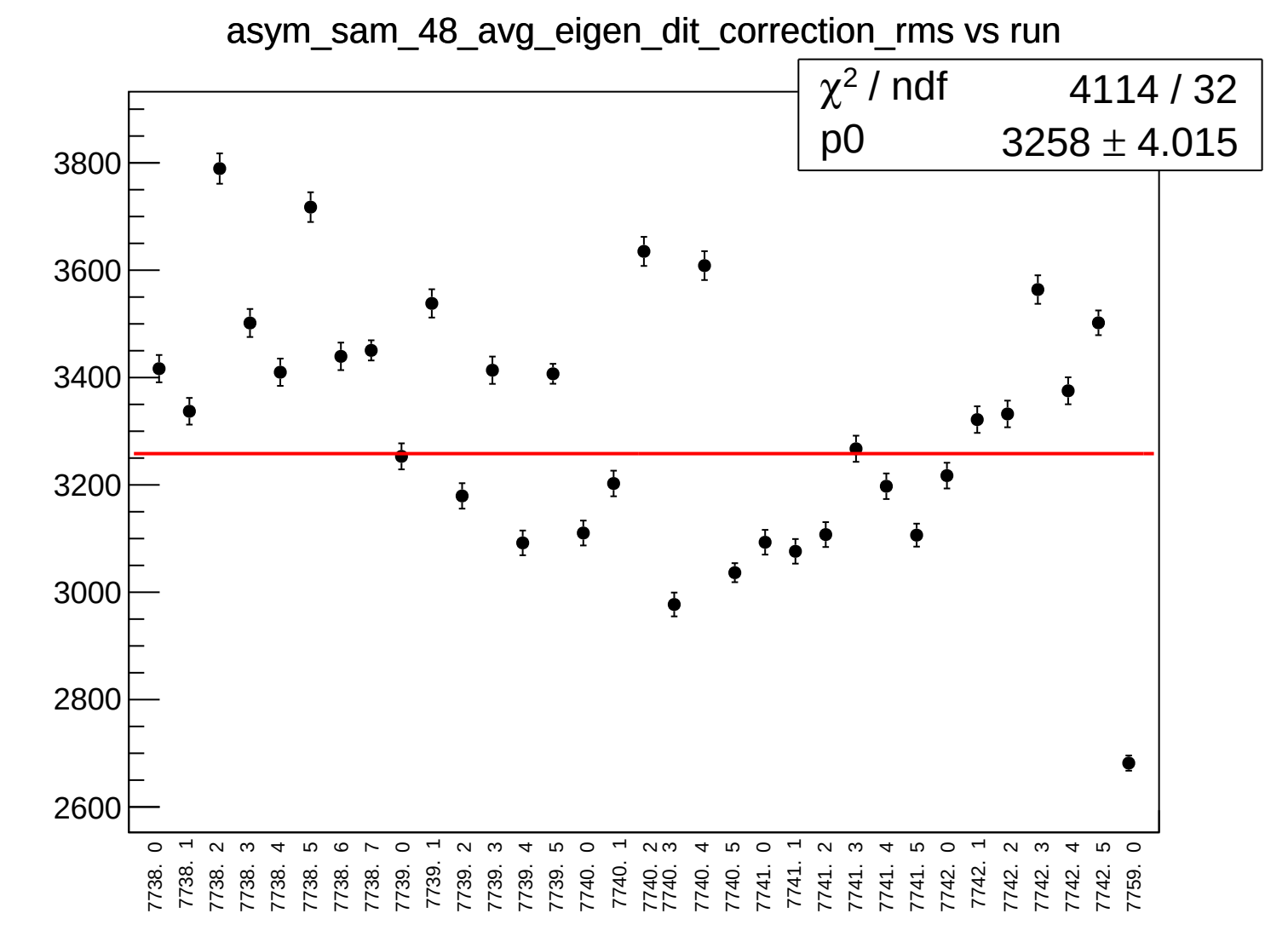

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 4114 / 32
p0 3258 ± 4.015
3800
3600
3400
3200
3000
2800
2600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

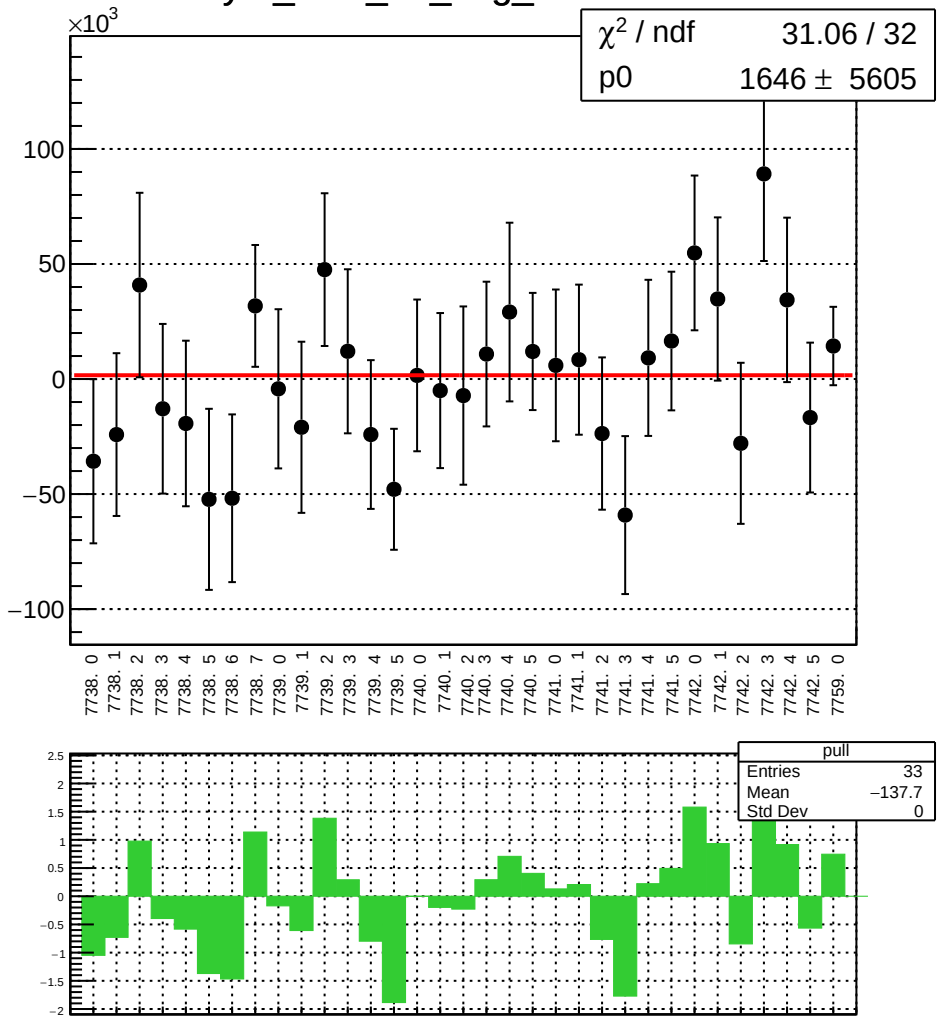

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 20.18 / 32
p0 264.4 ± 447.5
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −117.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

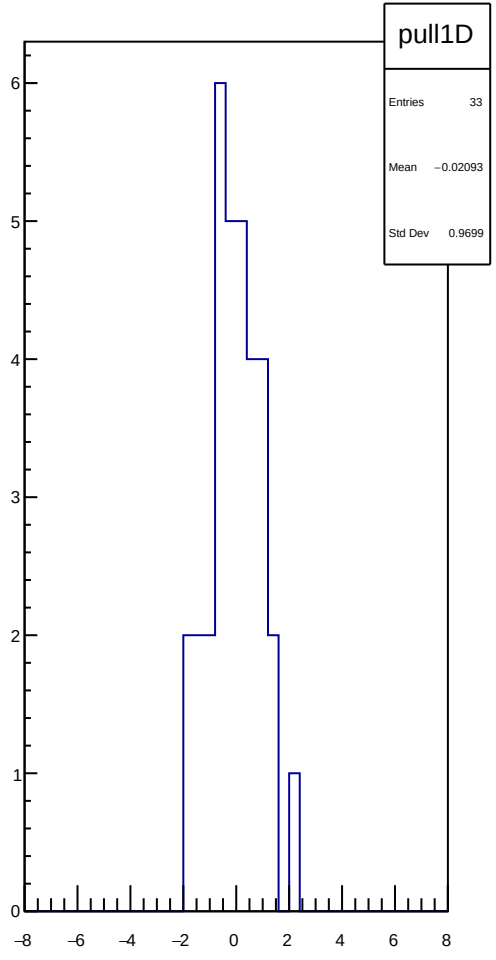

pull1D
Entries 33
Mean 0.003825
Std Dev 0.782
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

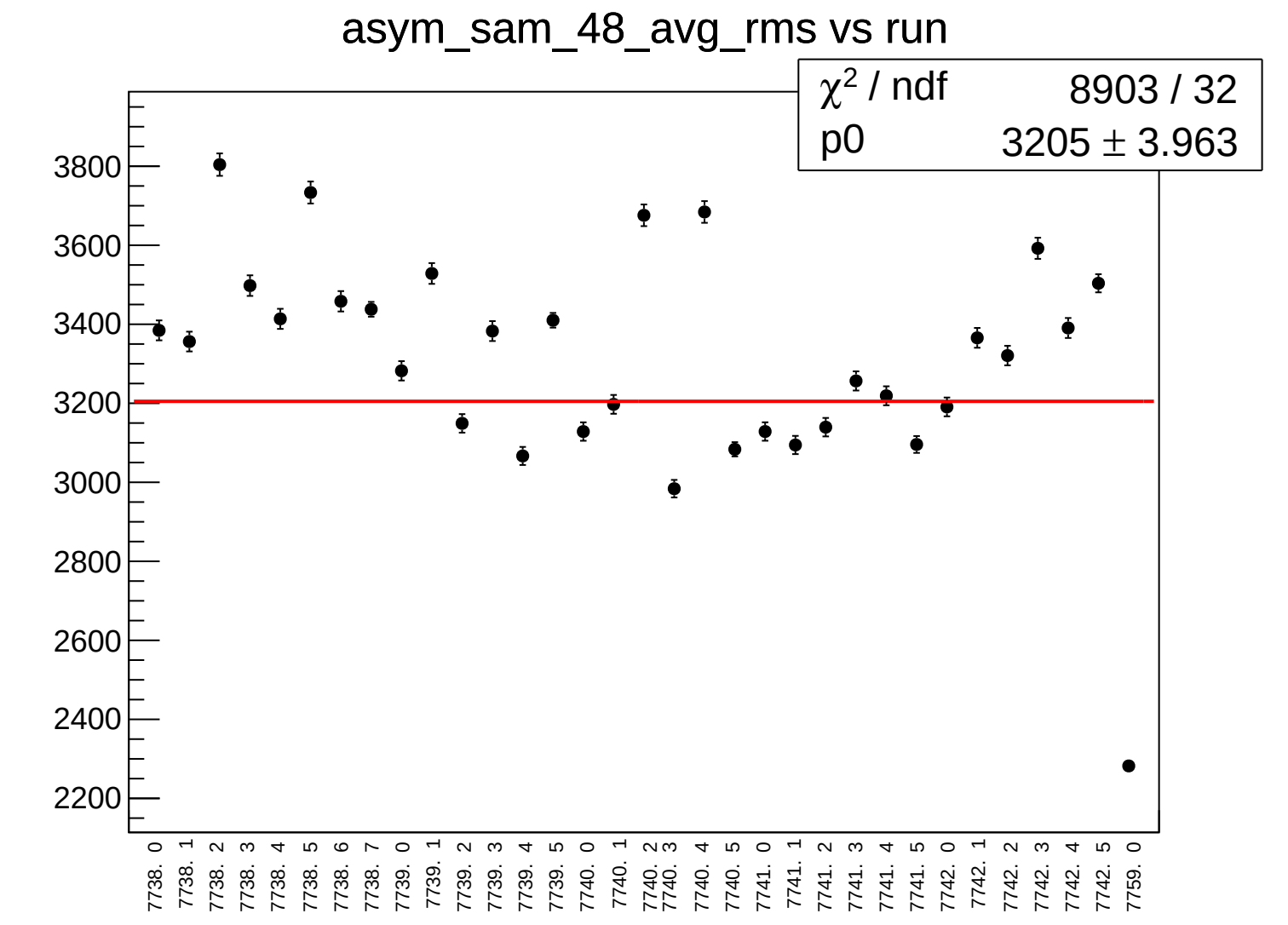

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 8088 / 32
p0 256.1 ± 0.3164
450
400
350
300
250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

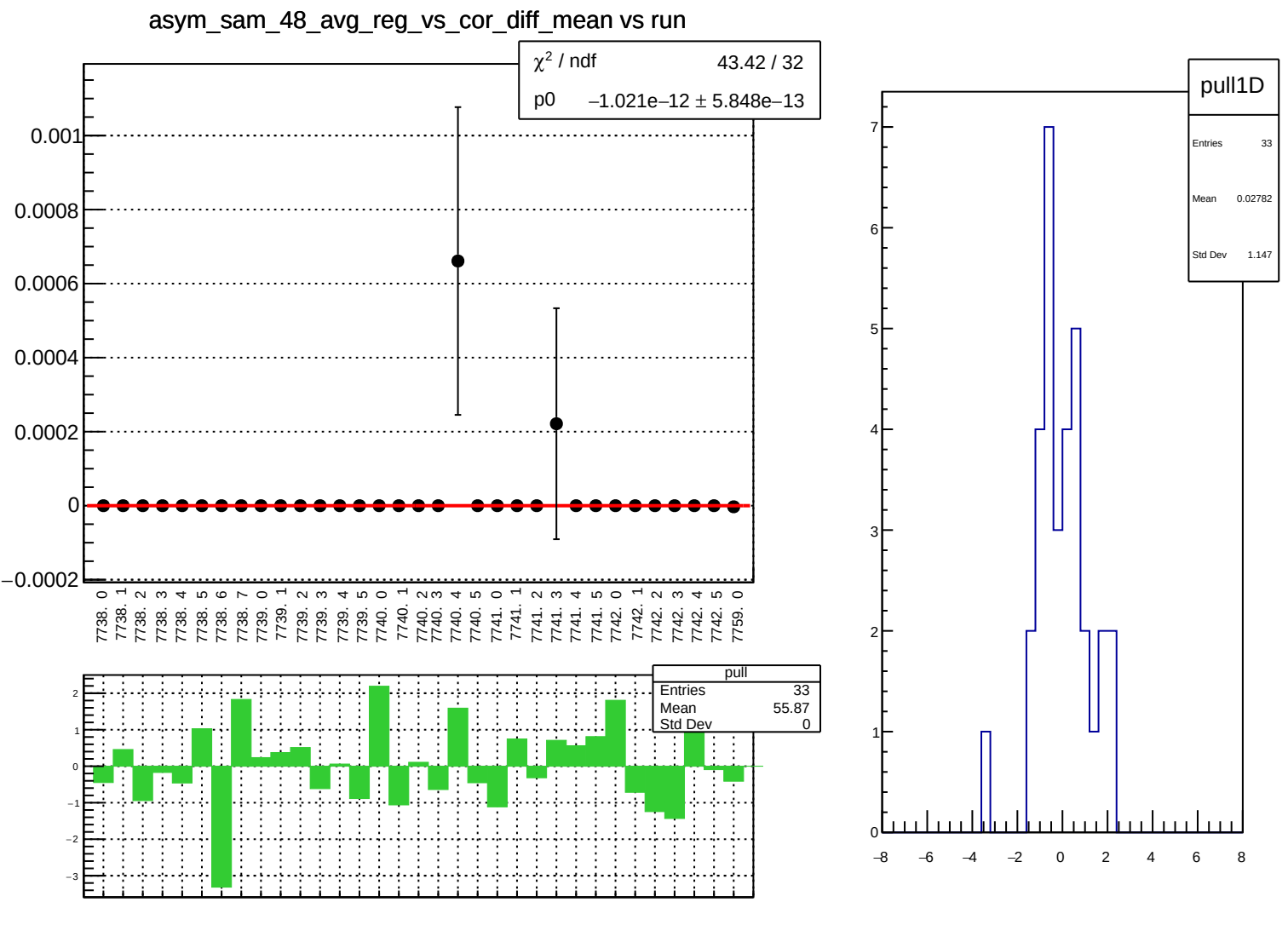

asym_sam_48_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.12 / 32
p0 −1168 ± 5677
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −193.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01547
Std Dev 0.9864
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

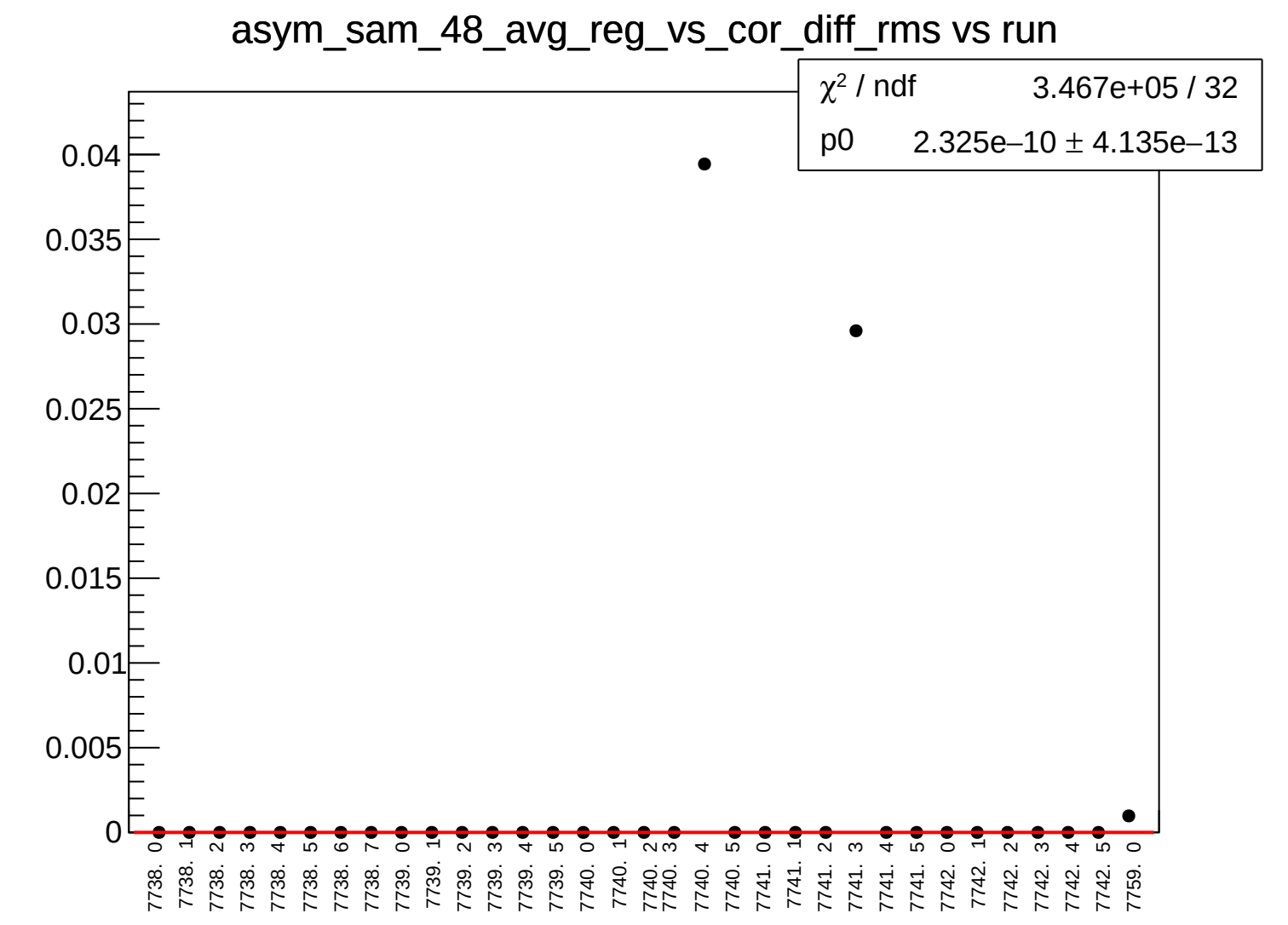

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 4114 / 32
p0 3258 ± 4.015
3800
3600
3400
3200
3000
2800
2600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

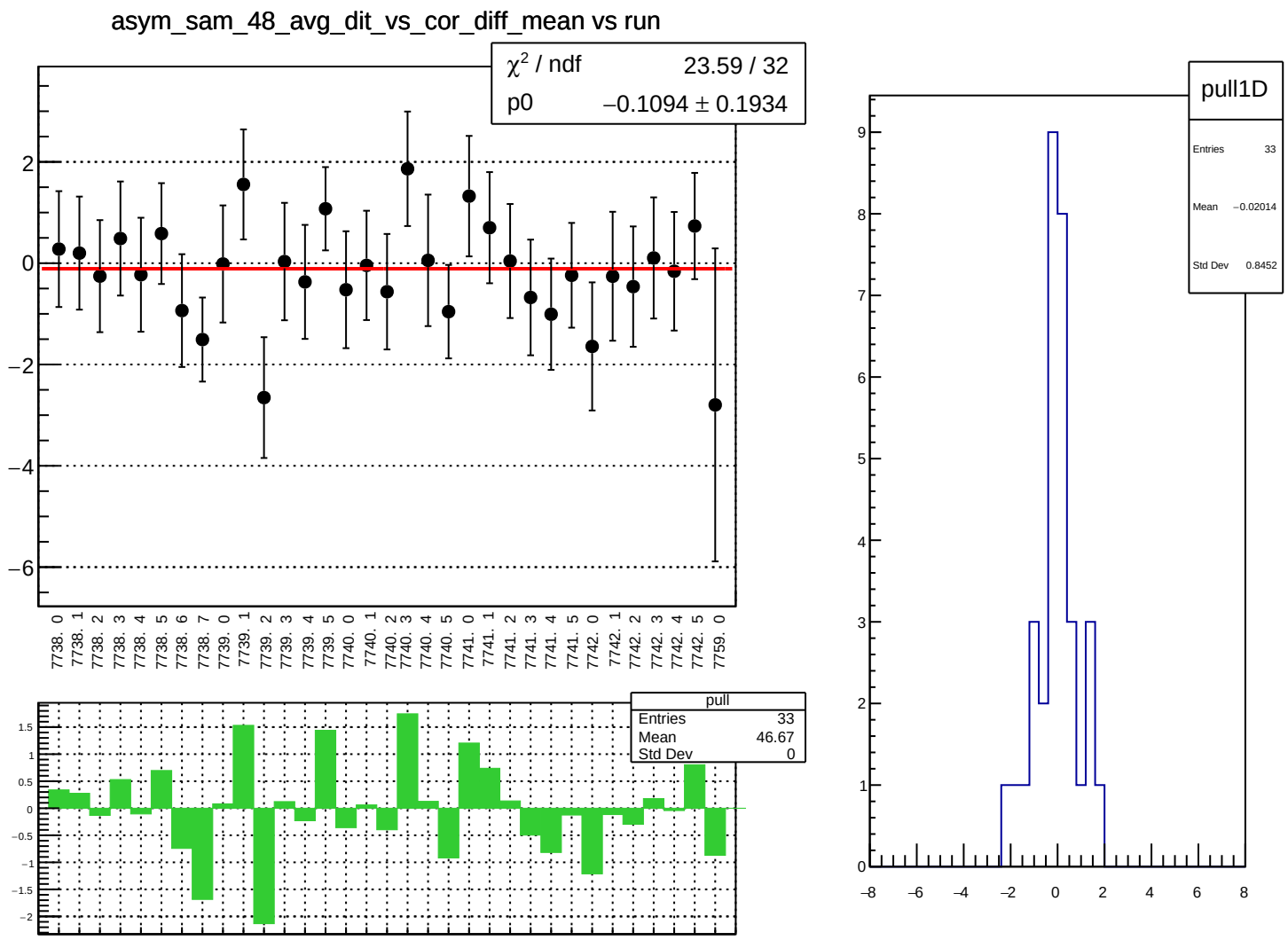

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 31.06 / 32
p0 1646 ± 5605
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −137.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

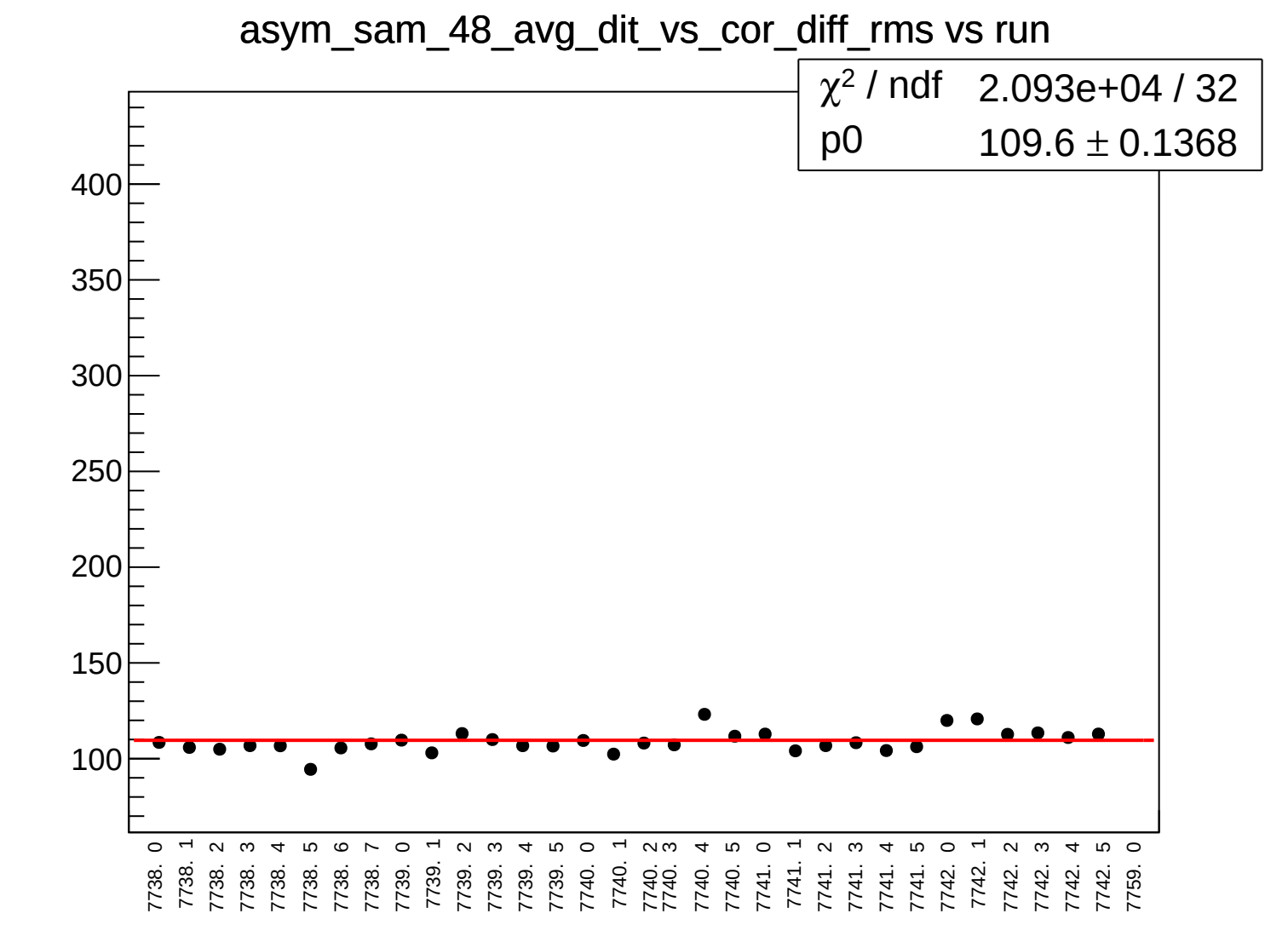

pull1D
Entries 33
Mean −0.02093
Std Dev 0.9699
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

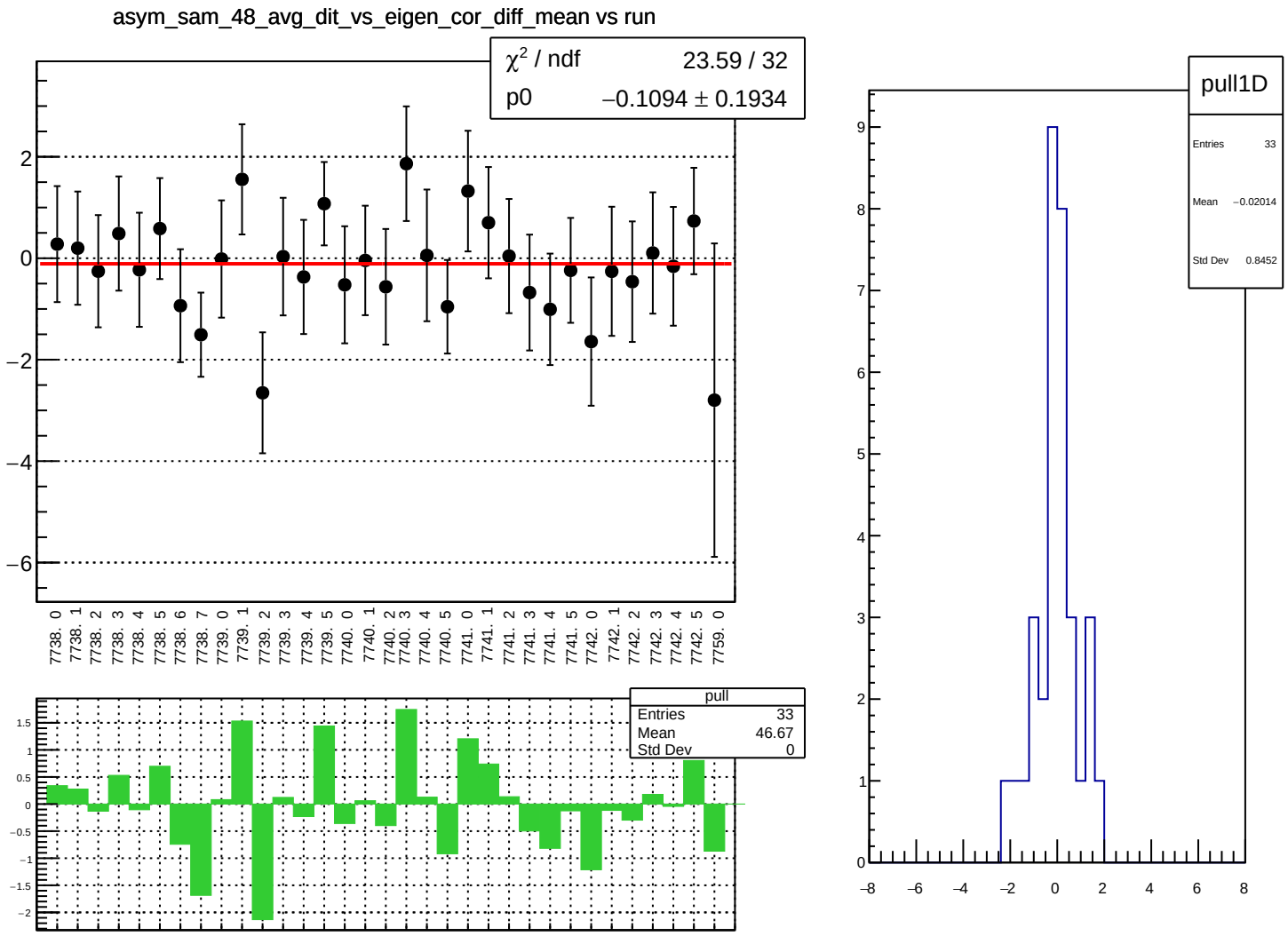

asym_sam_48_avg_rms vs run
χ² / ndf 8903 / 32
p0 3205 ± 3.963
3800
3600
3400
3200
3000
2800
2600
2400
2200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

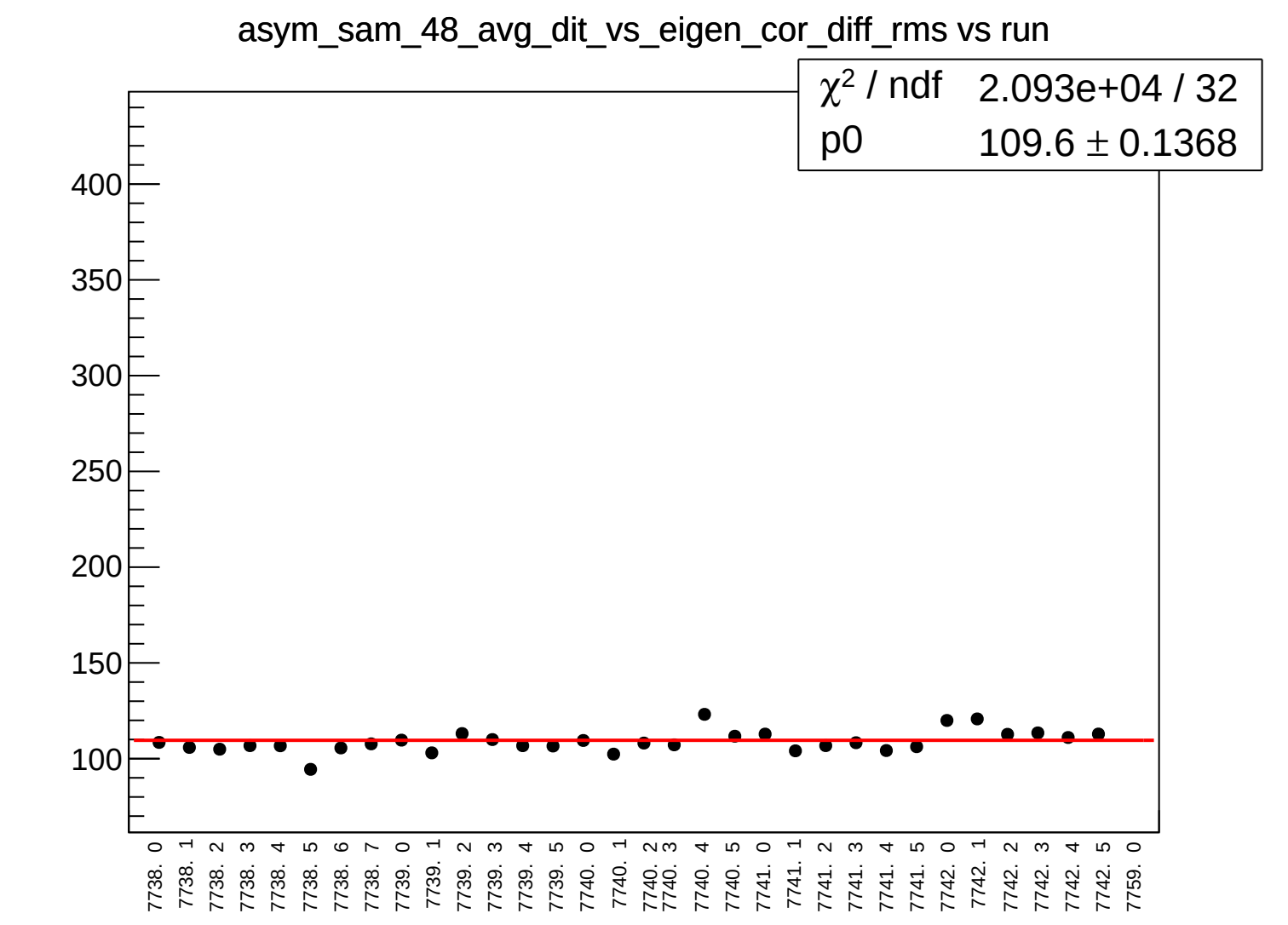

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.42 / 32
p0 −1.021e−12 ± 5.848e−13
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 55.87
Std Dev 0
pull1D
Entries 33
Mean 0.02782
Std Dev 1.147

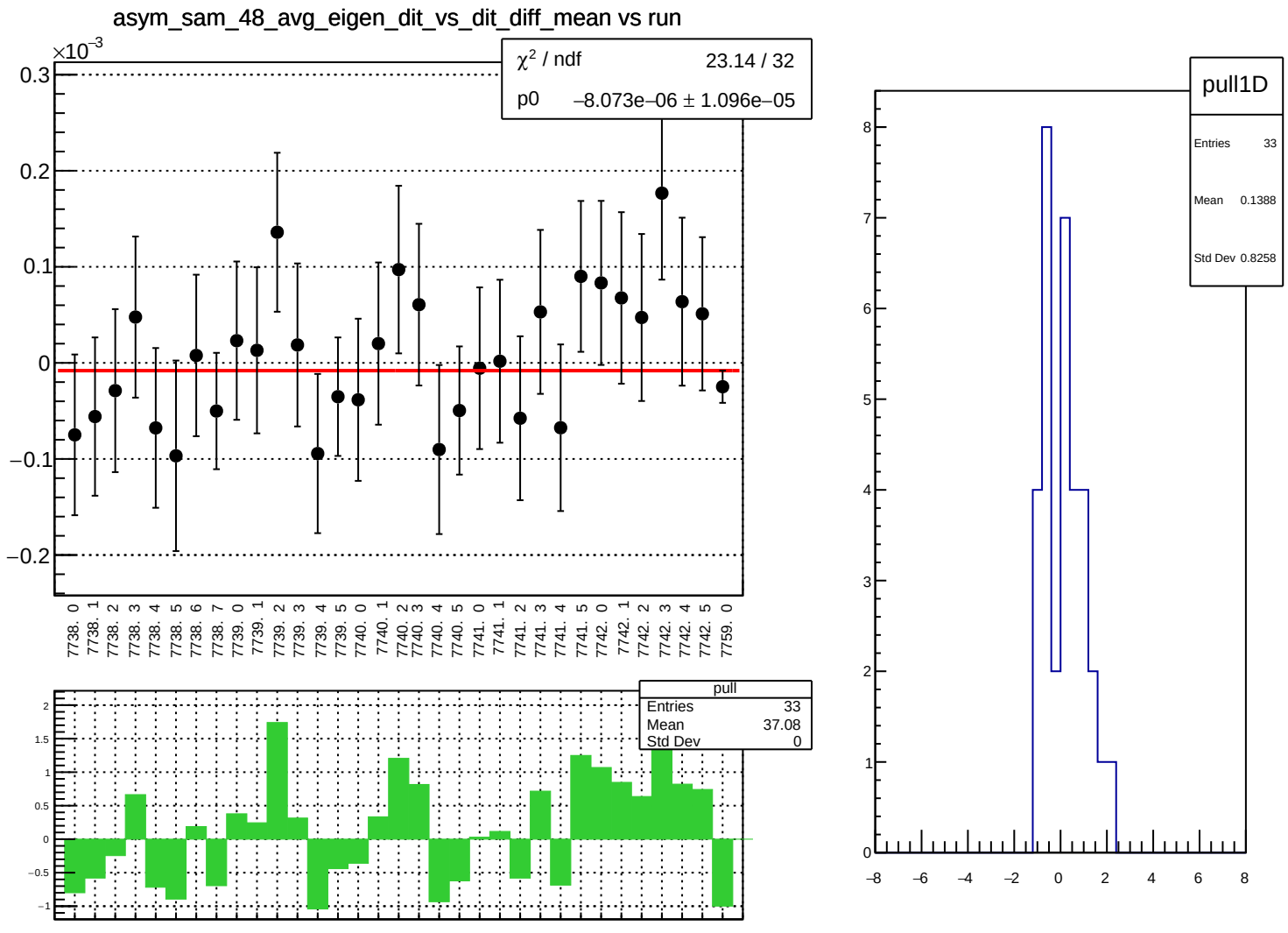

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.467e+05 / 32
p0 2.325e−10 ± 4.135e−13
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

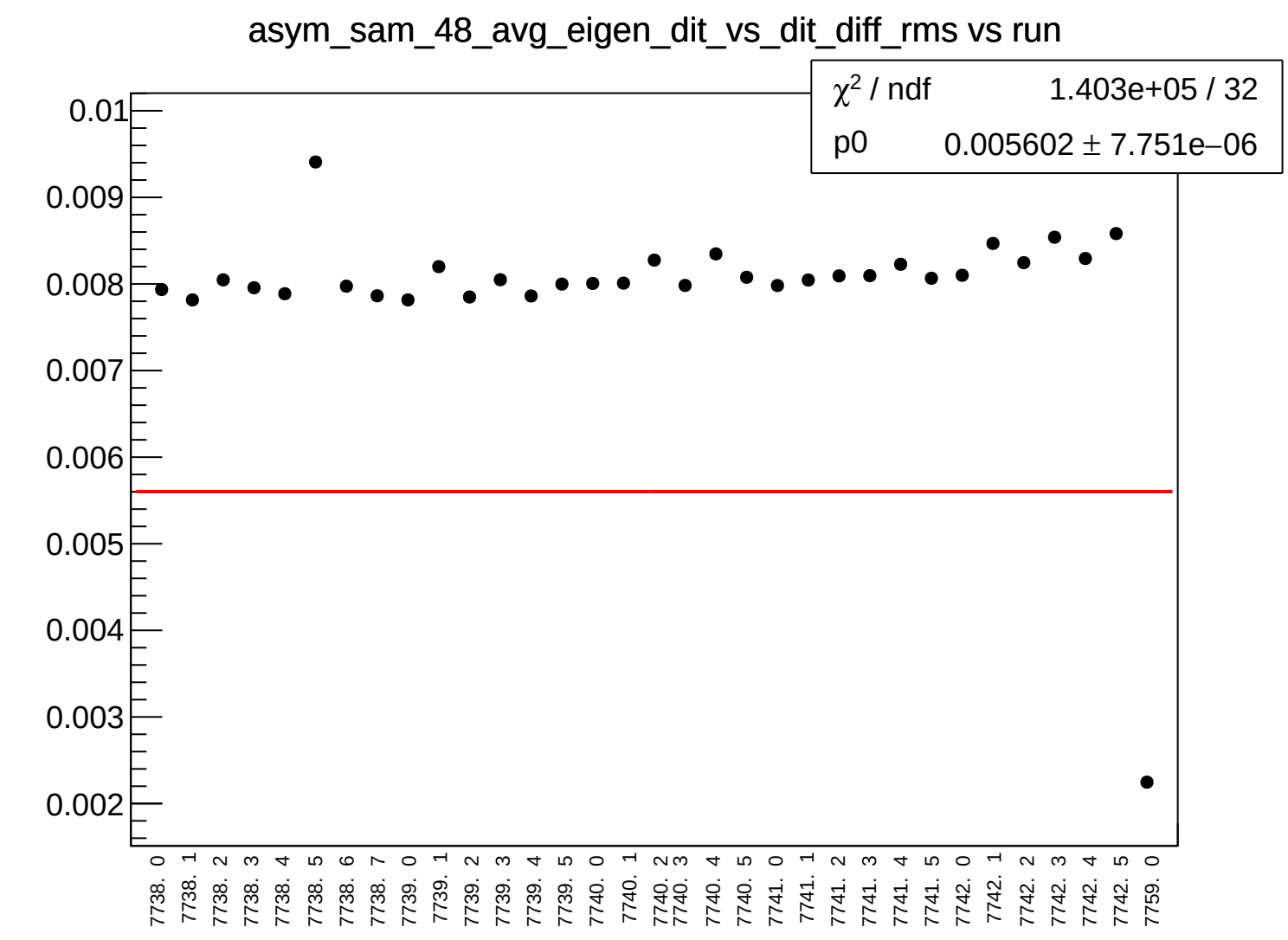

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 23.59 / 32
p0 −0.1094 ± 0.1934
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 46.67
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02014
Std Dev 0.8452
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

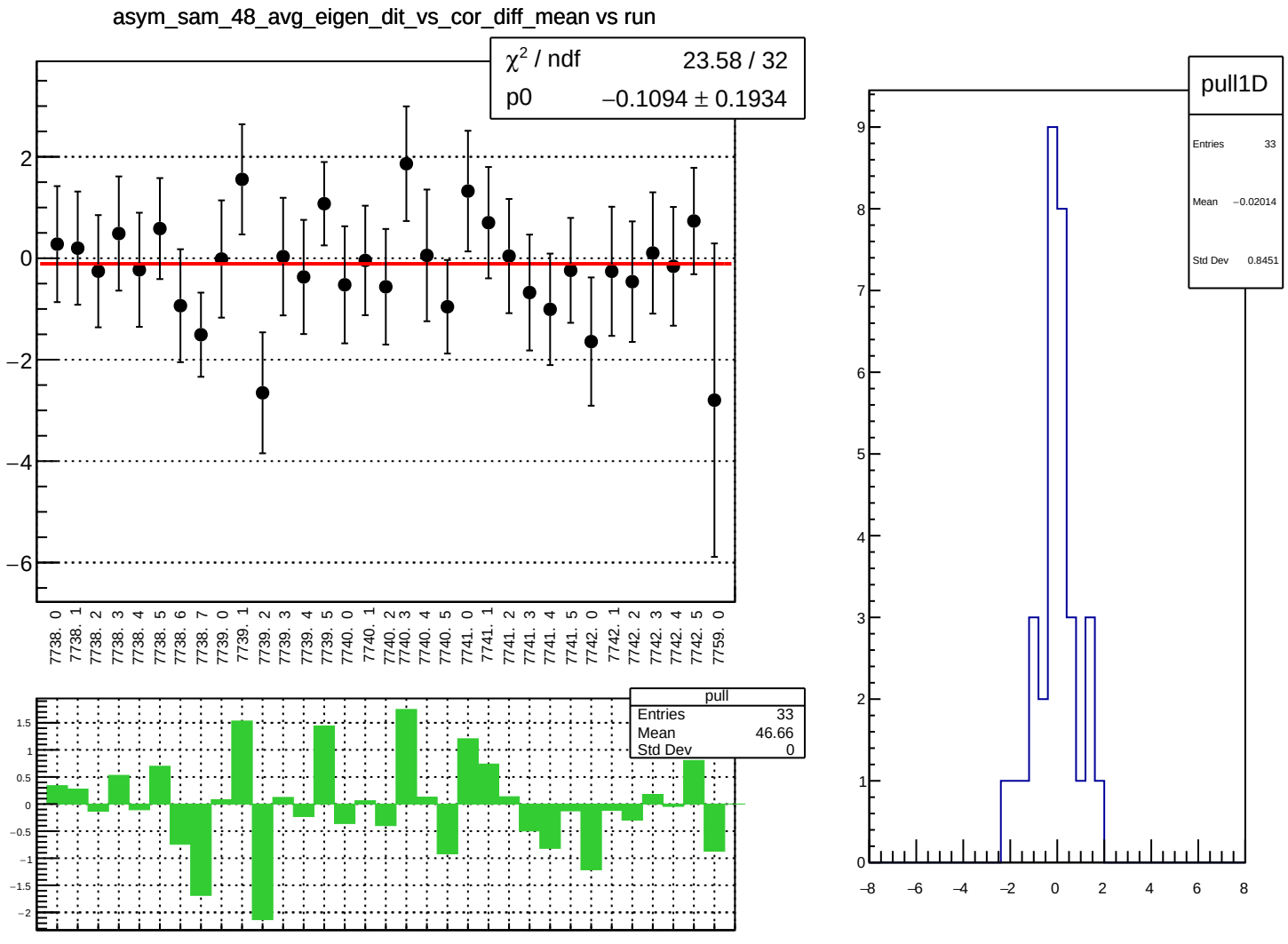

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.093e+04 / 32
p0 109.6 ± 0.1368
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

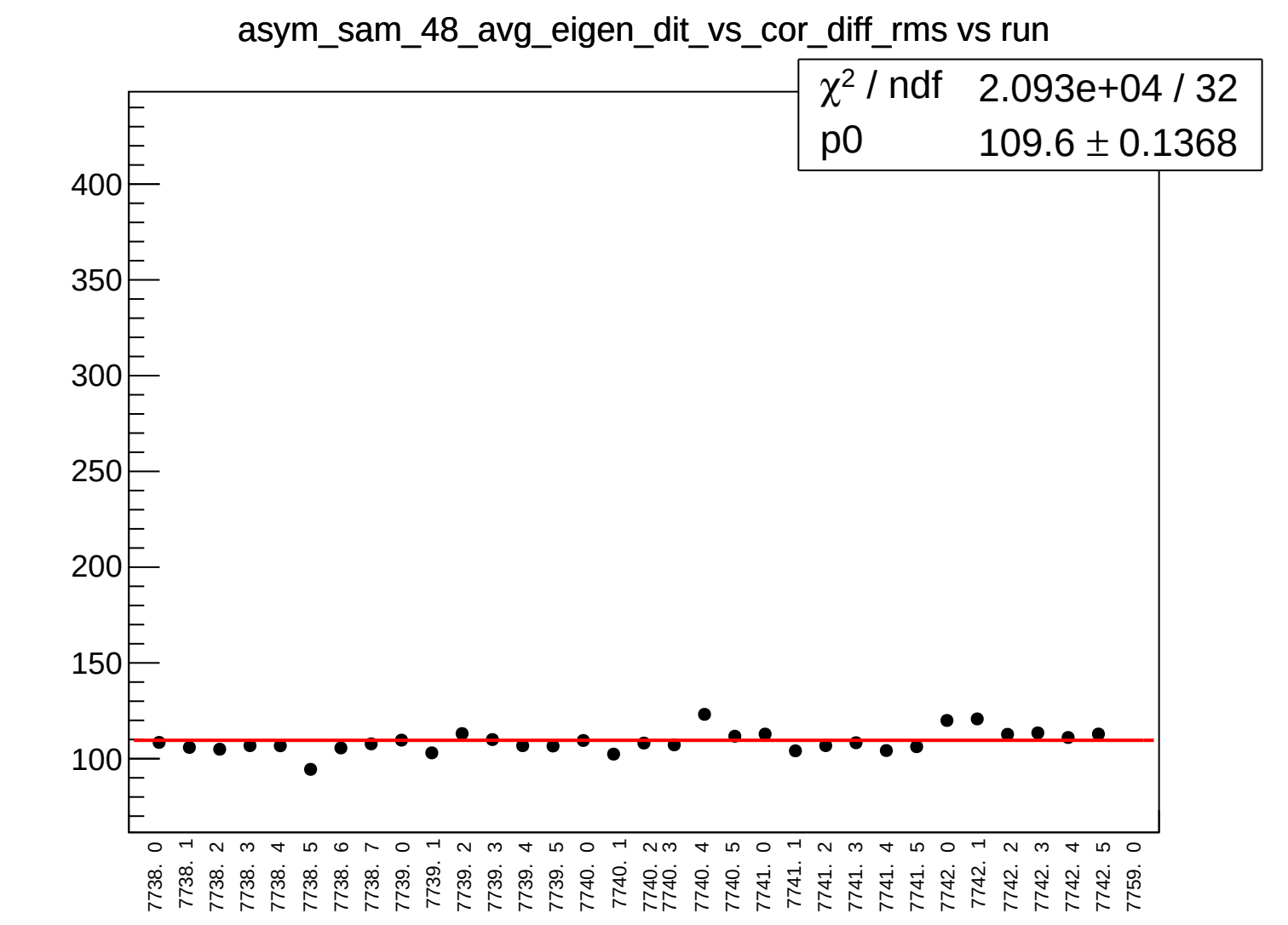

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.59 / 32
p0 −0.1094 ± 0.1934
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 46.67
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02014
Std Dev 0.8452
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

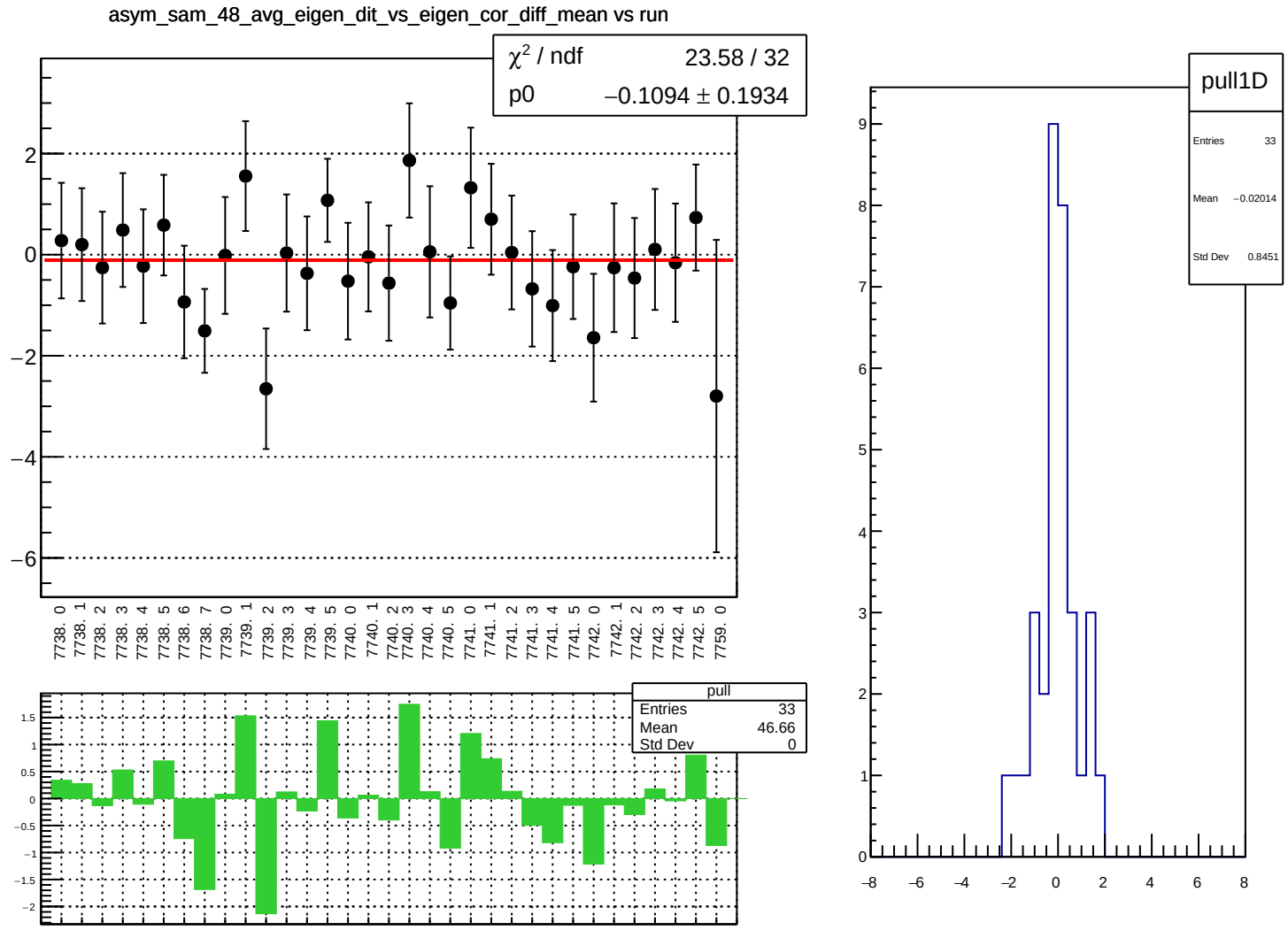

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.093e+04 / 32
p0 109.6 ± 0.1368
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

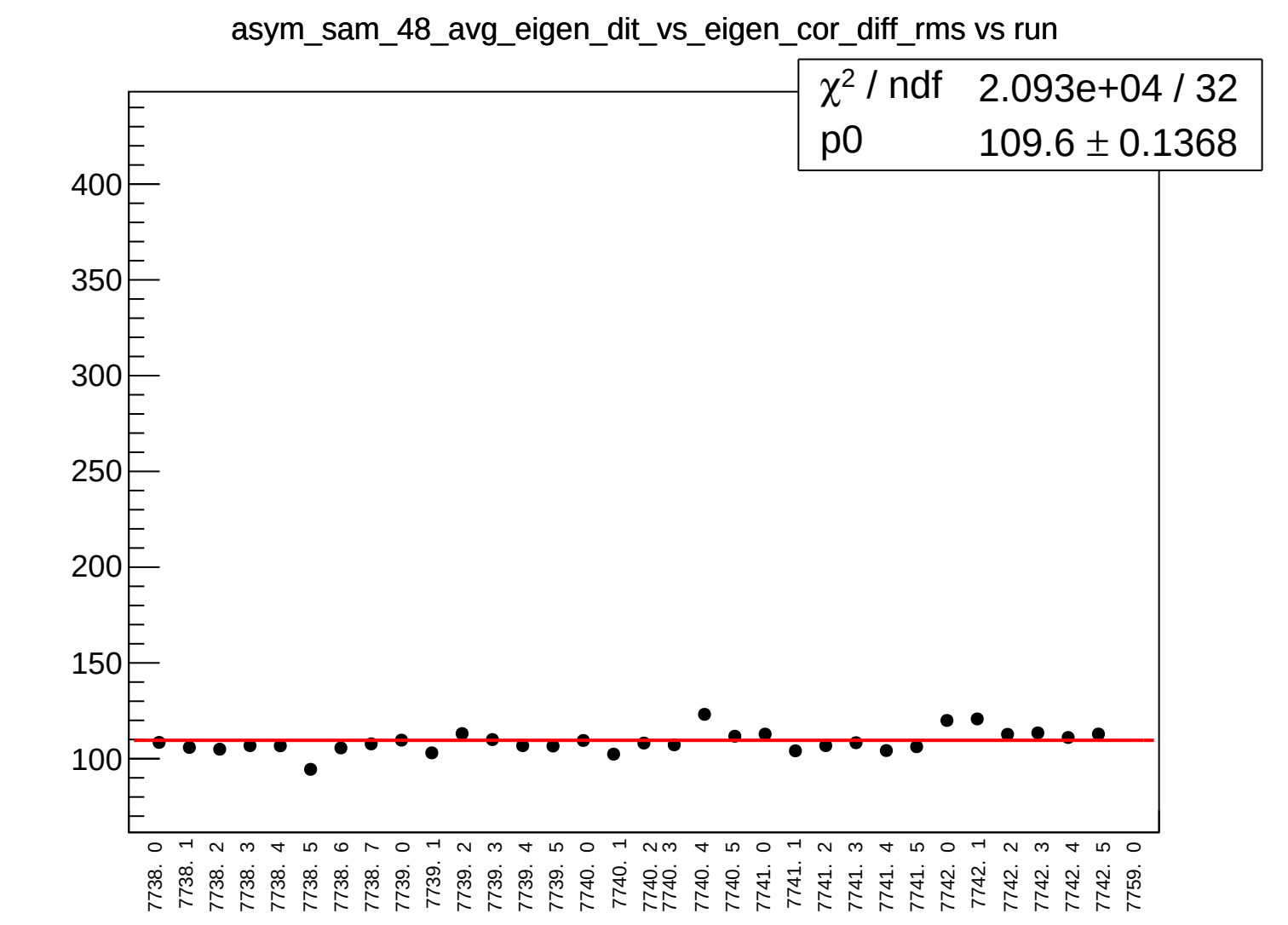

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 23.14 / 32
p0 −8.073e−06 ± 1.096e−05
0.3
0.2
0.1
0
−0.1
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 37.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.1388
Std Dev 0.8258
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

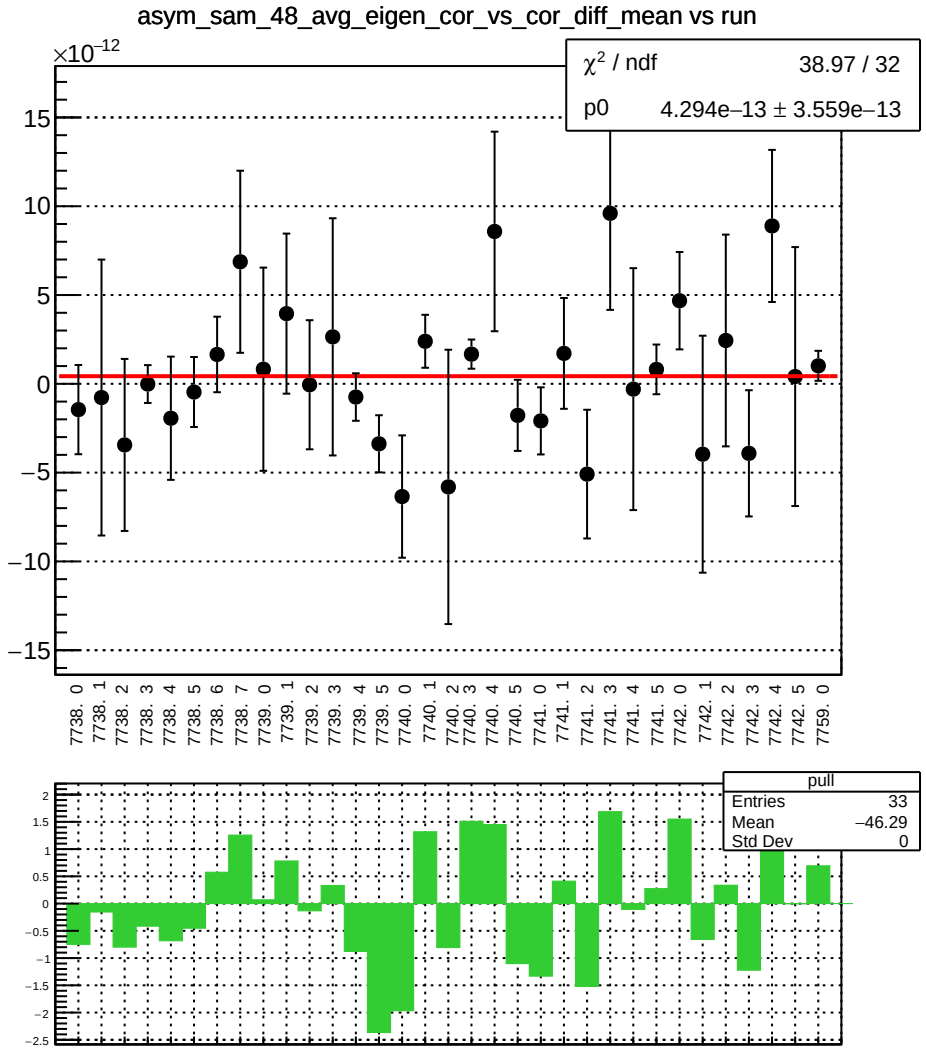

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.403e+05 / 32
p0 0.005602 ± 7.751e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

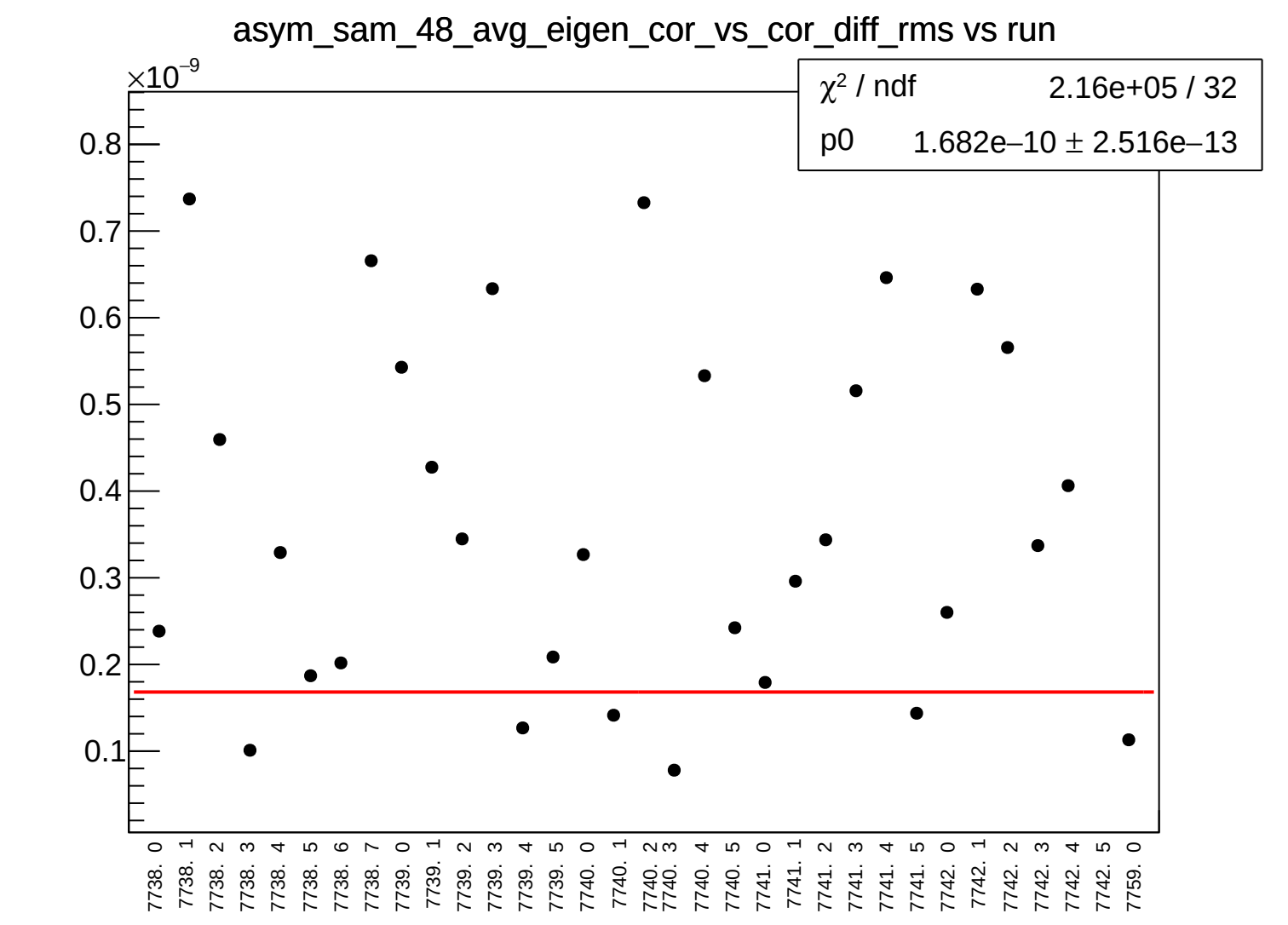

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 23.58 / 32
p0 −0.1094 ± 0.1934
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 46.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02014
Std Dev 0.8451
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

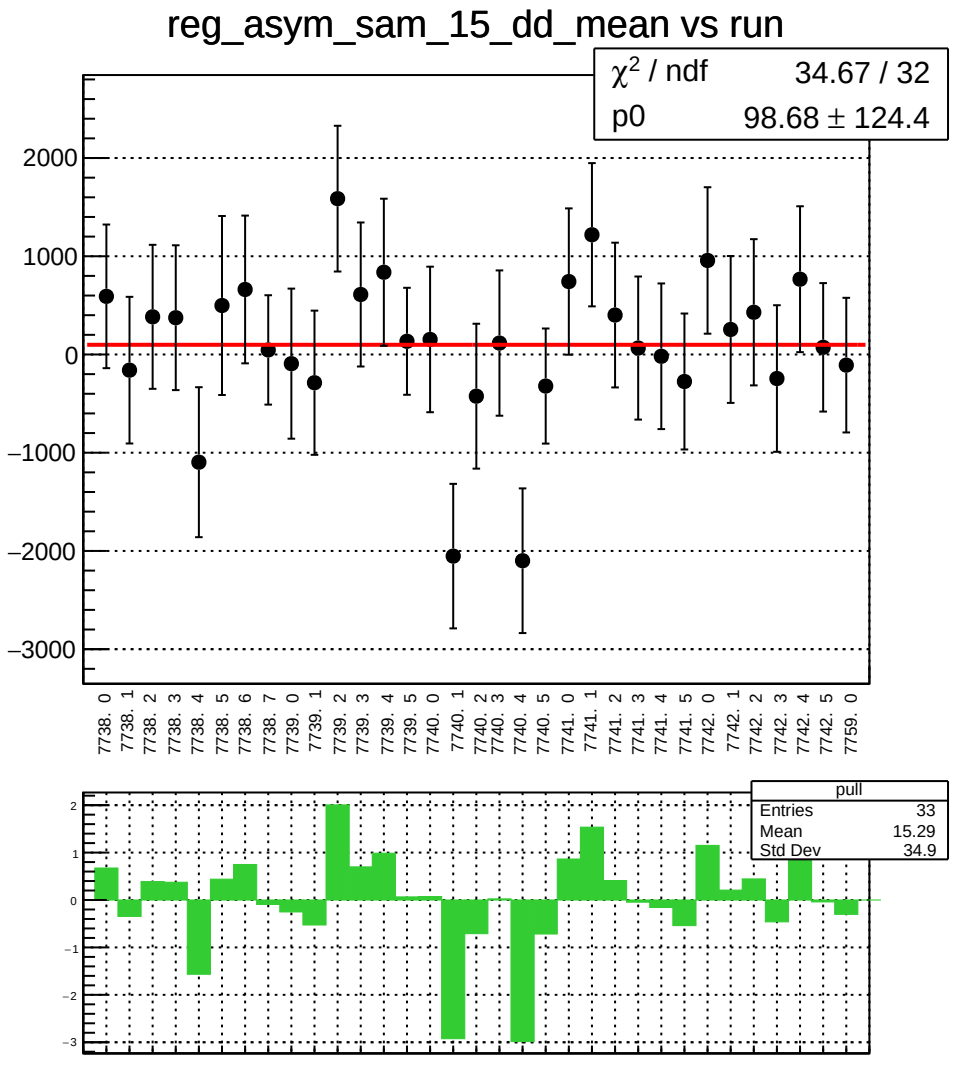

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.093e+04 / 32
p0 109.6 ± 0.1368
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

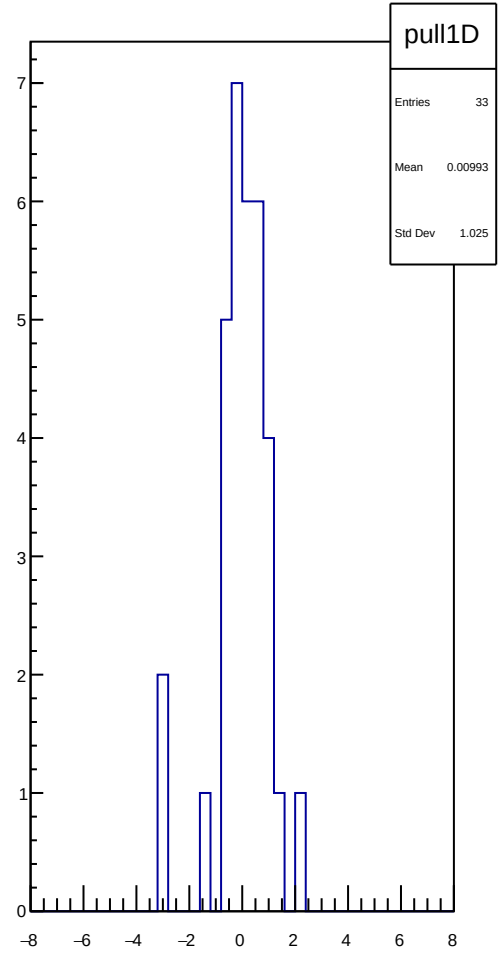

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.58 / 32
p0 −0.1094 ± 0.1934
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 46.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02014
Std Dev 0.8451
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

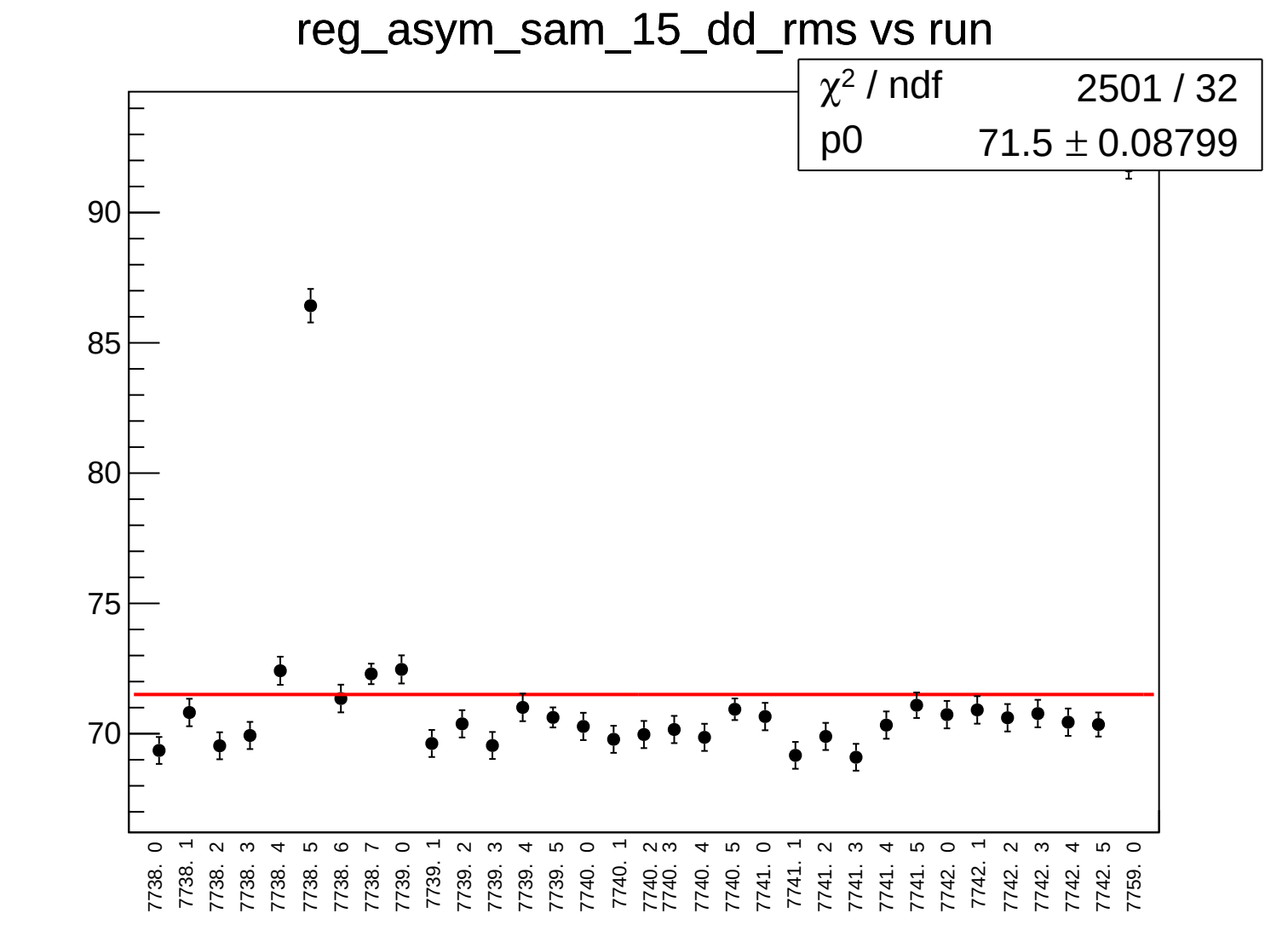

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.093e+04 / 32
p0 109.6 ± 0.1368
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

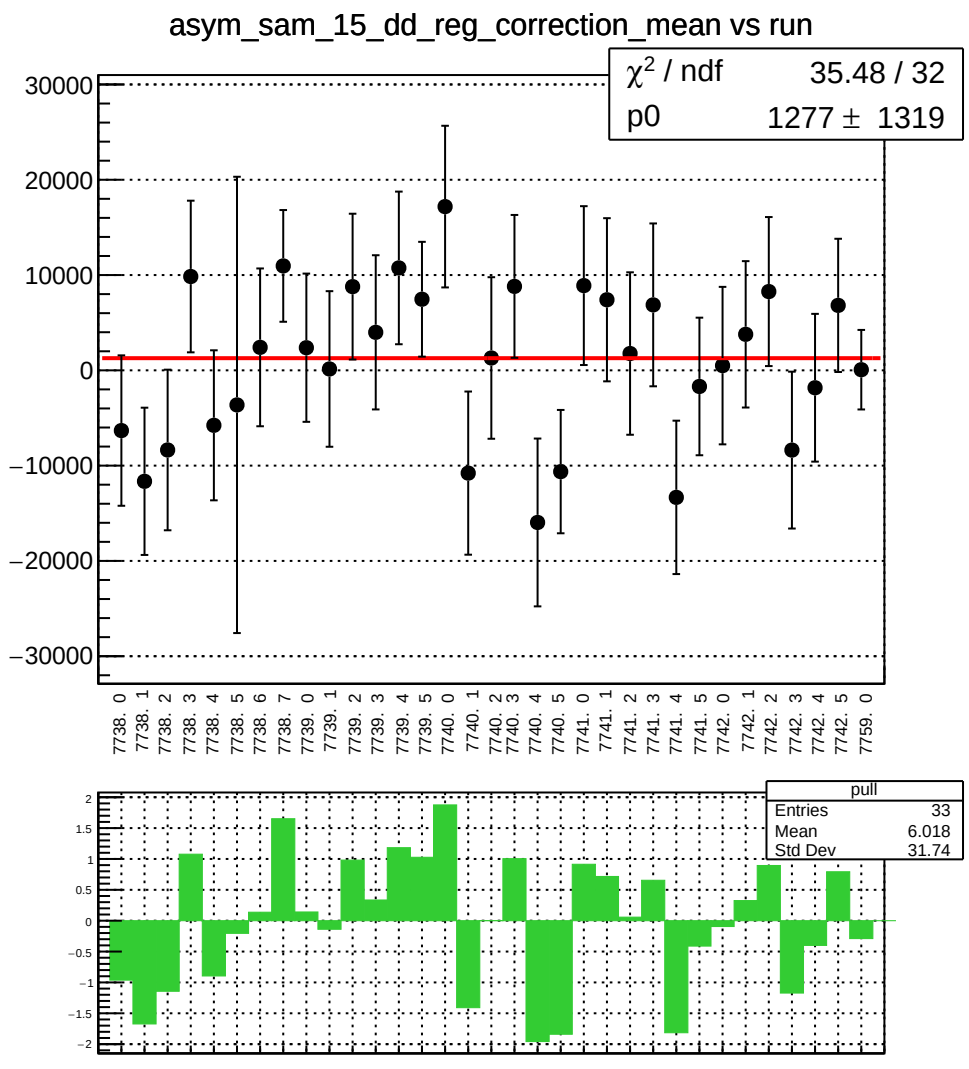

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.97 / 32
p0 4.294e−13 ± 3.559e−13
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −46.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.03406
Std Dev 1.086
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

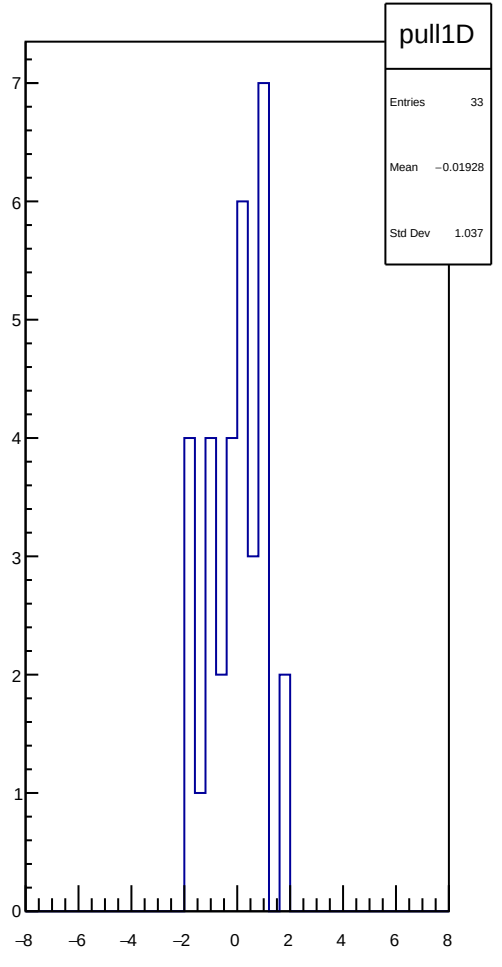

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.16e+05 / 32
p0 1.682e−10 ± 2.516e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

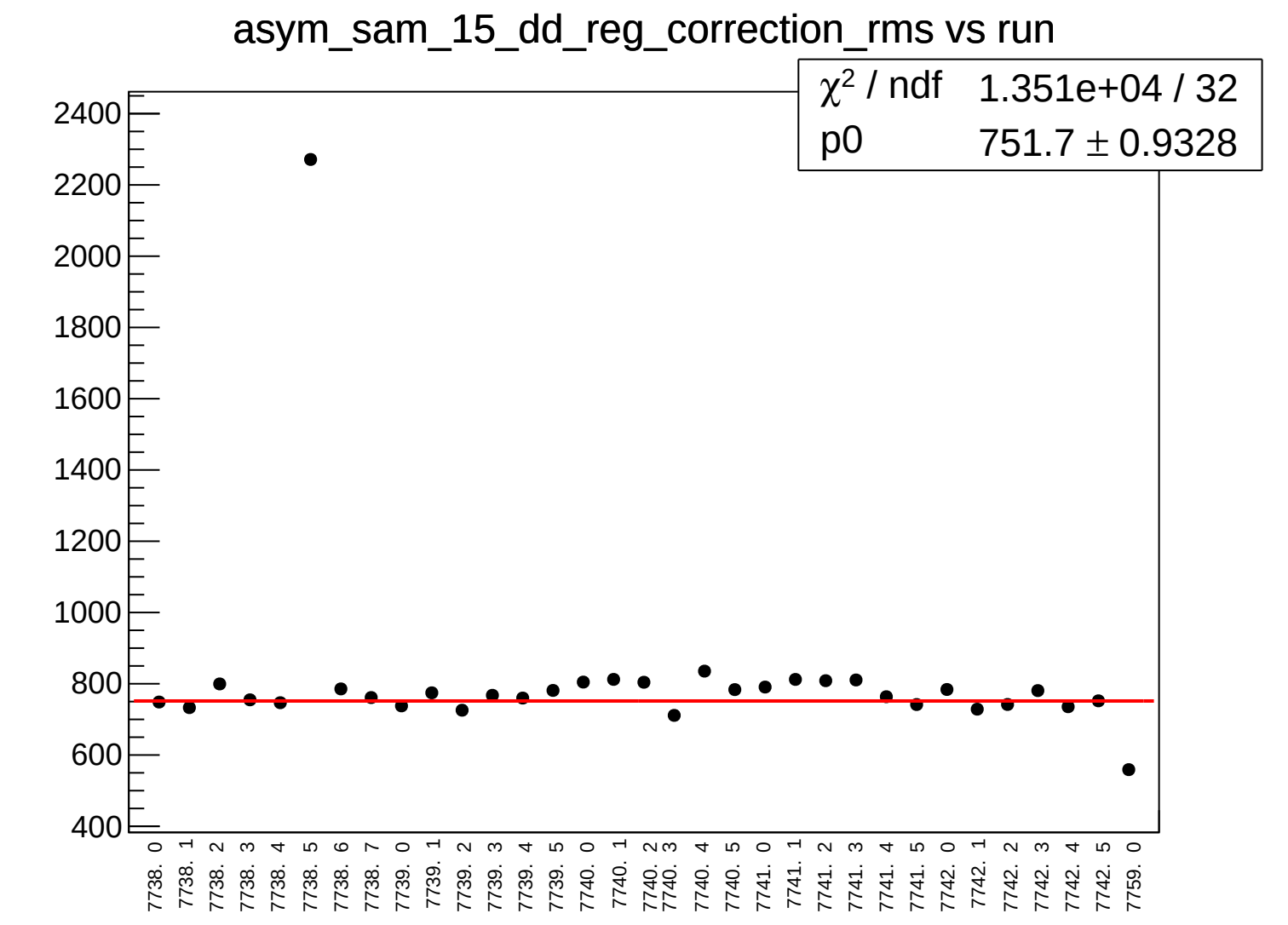

reg_asym_sam_15_dd_mean vs run
χ² / ndf 34.67 / 32
p0 98.68 ± 124.4
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.29
Std Dev 34.9
2
1
0
−1
−2
−3

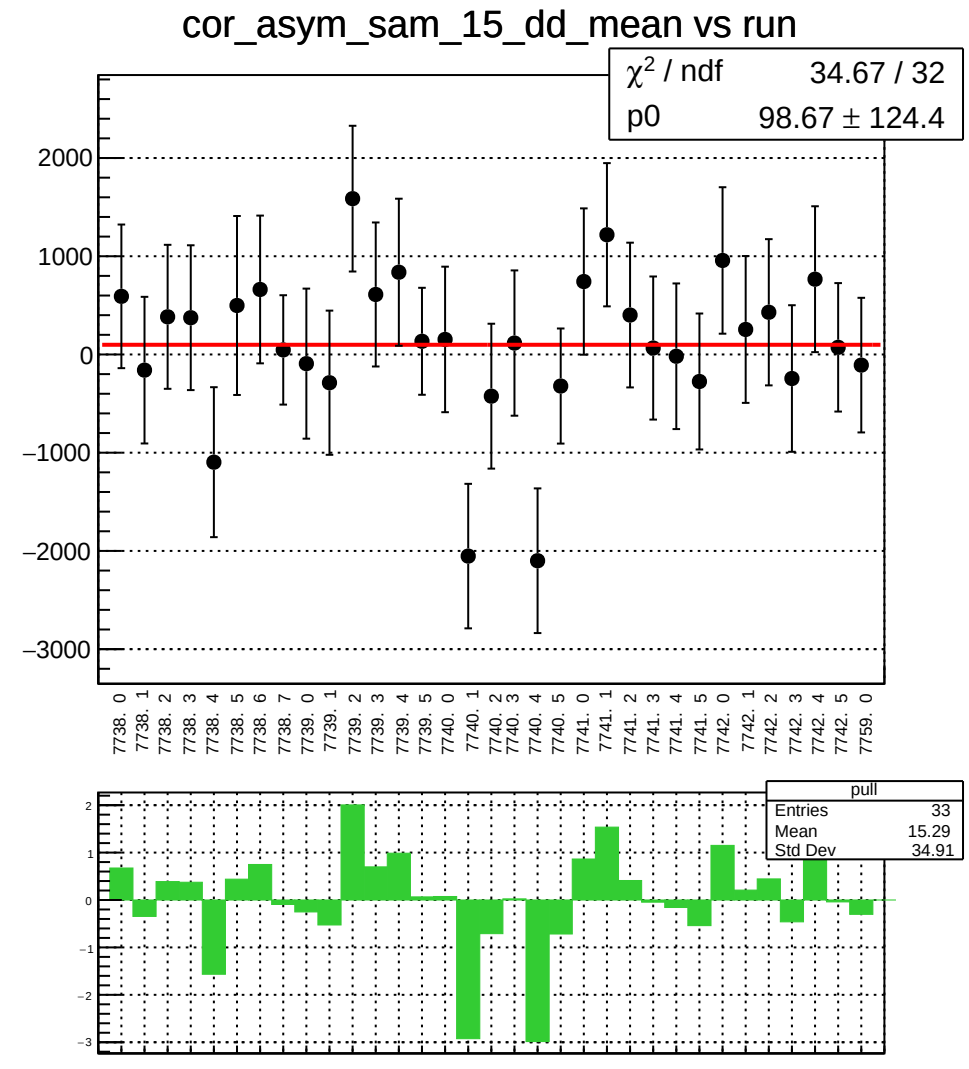

pull1D
Entries 33
Mean 0.00993
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

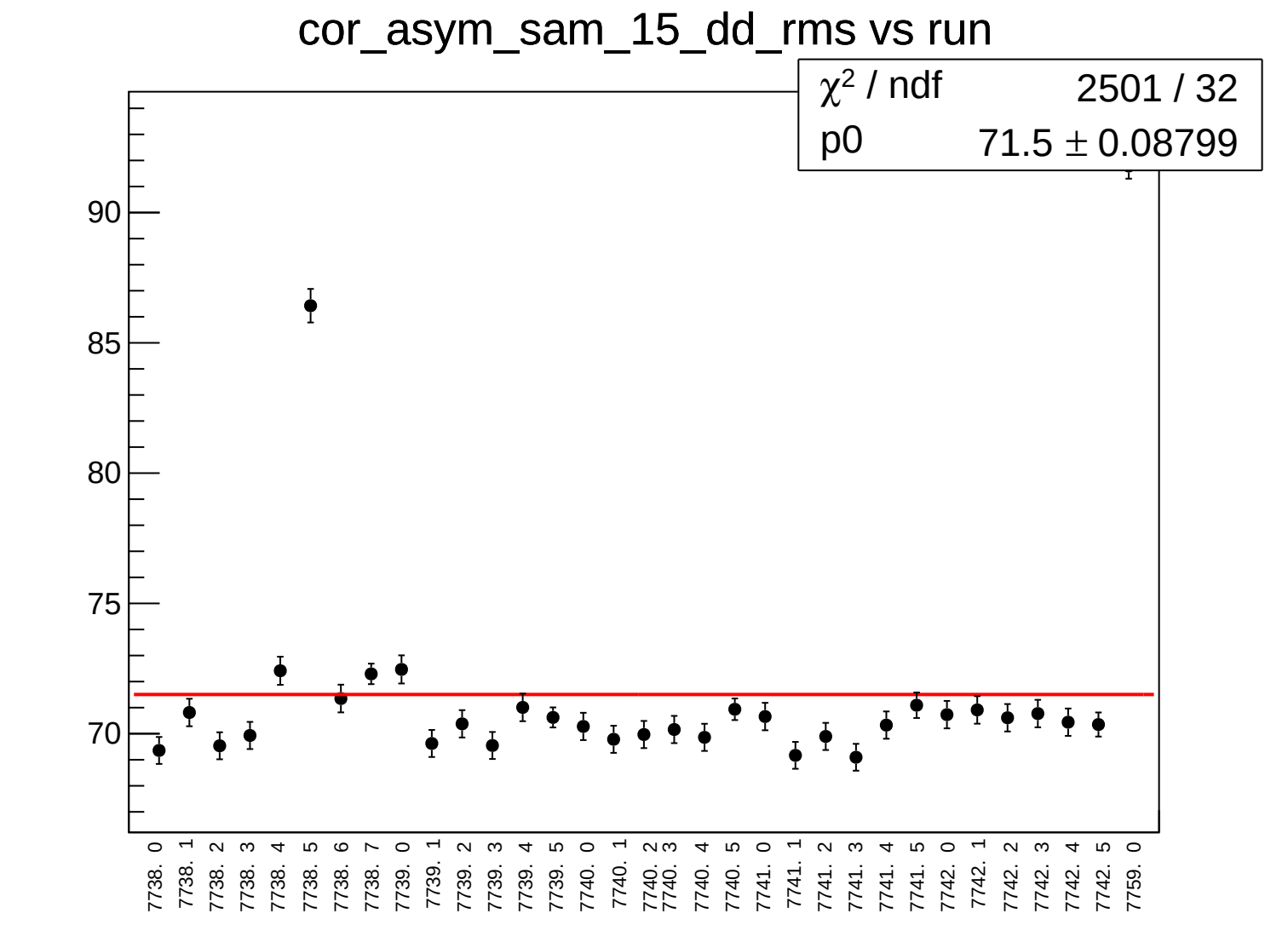

reg_asym_sam_15_dd_rms vs run
χ² / ndf 2501 / 32
p0 71.5 ± 0.08799
90
85
80
75
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

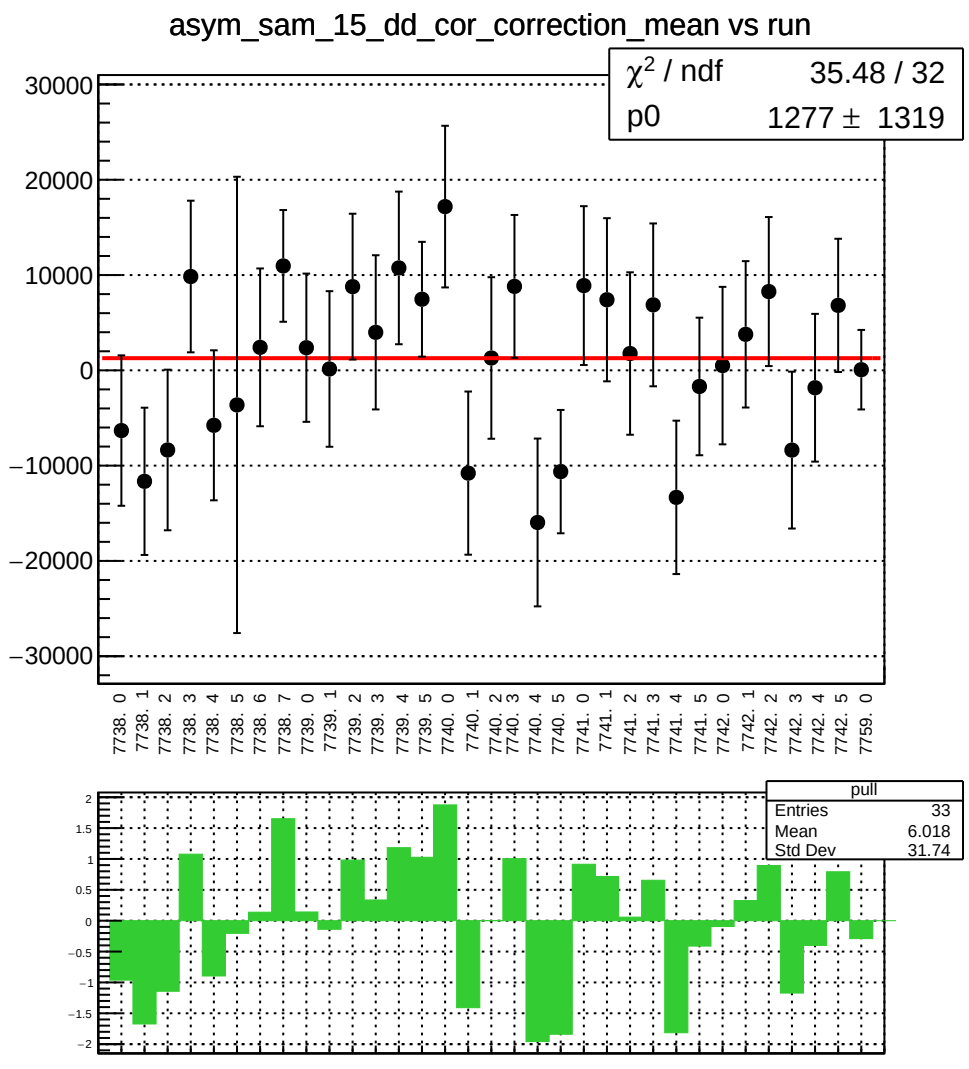

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 35.48 / 32
p0 1277 ± 1319
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.018
Std Dev 31.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

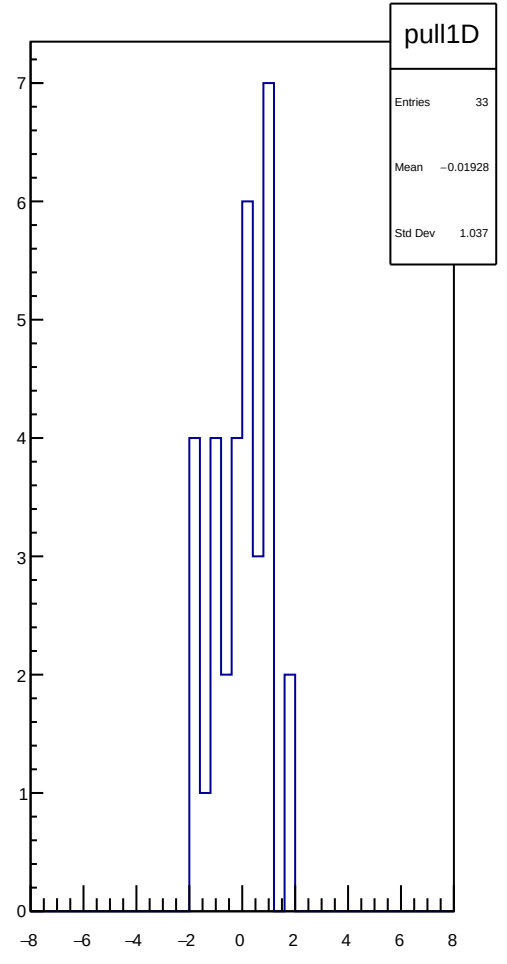

pull1D
Entries 33
Mean −0.01928
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

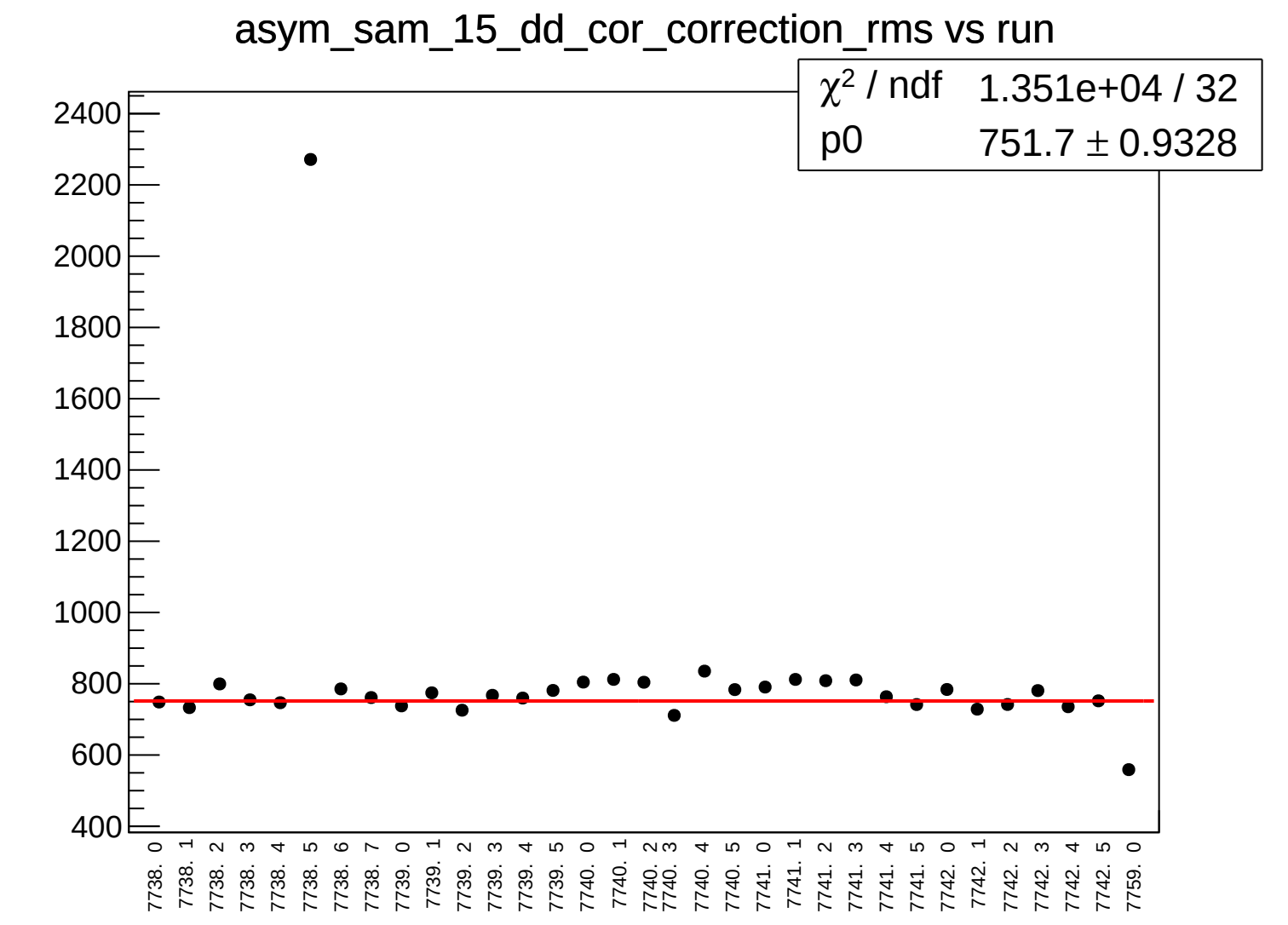

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 1.351e+04 / 32
p0 751.7 ± 0.9328
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

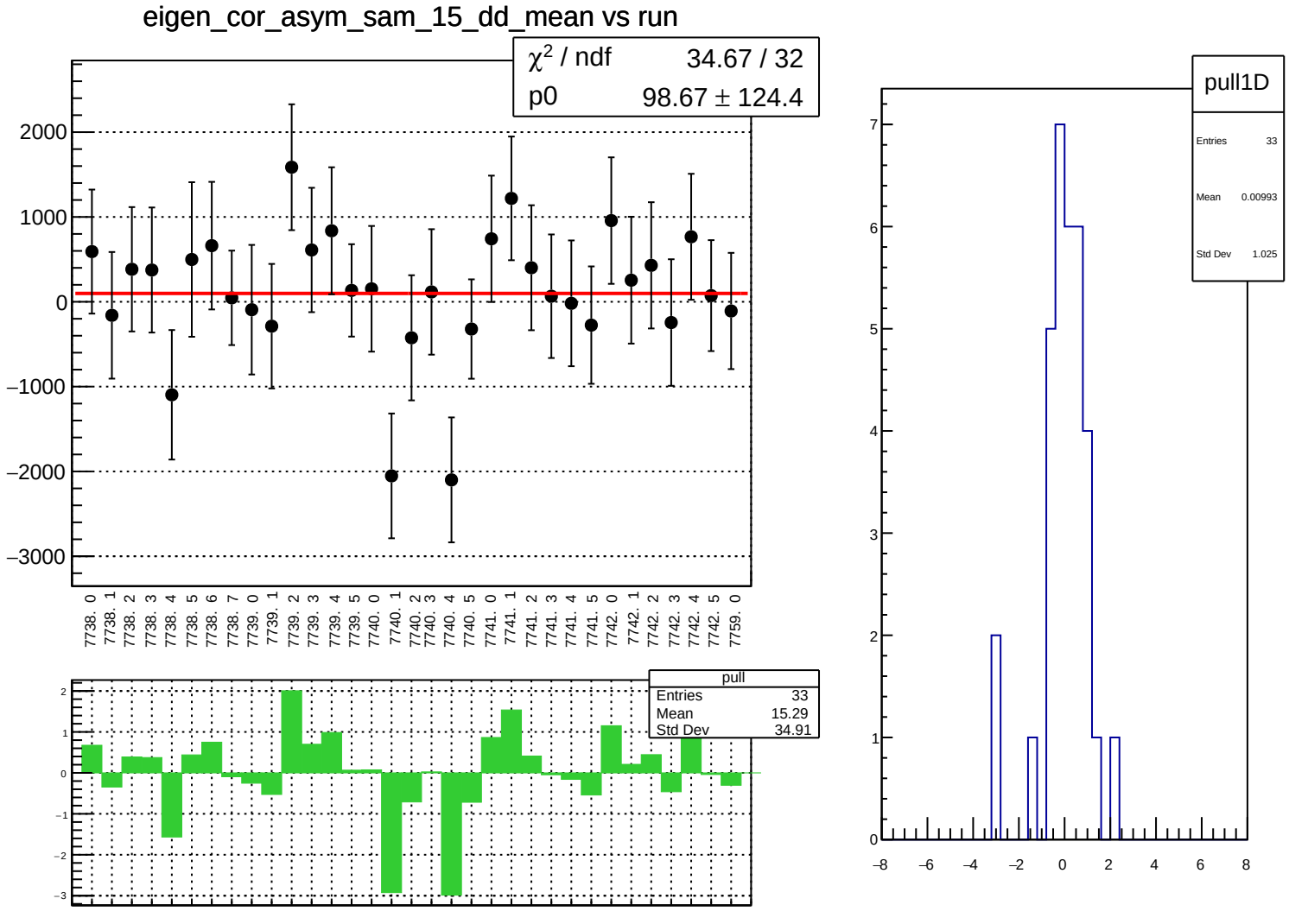

cor_asym_sam_15_dd_mean vs run
χ² / ndf 34.67 / 32
p0 98.67 ± 124.4
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.29
Std Dev 34.91
pull1D
Entries 33
Mean 0.00993
Std Dev 1.025

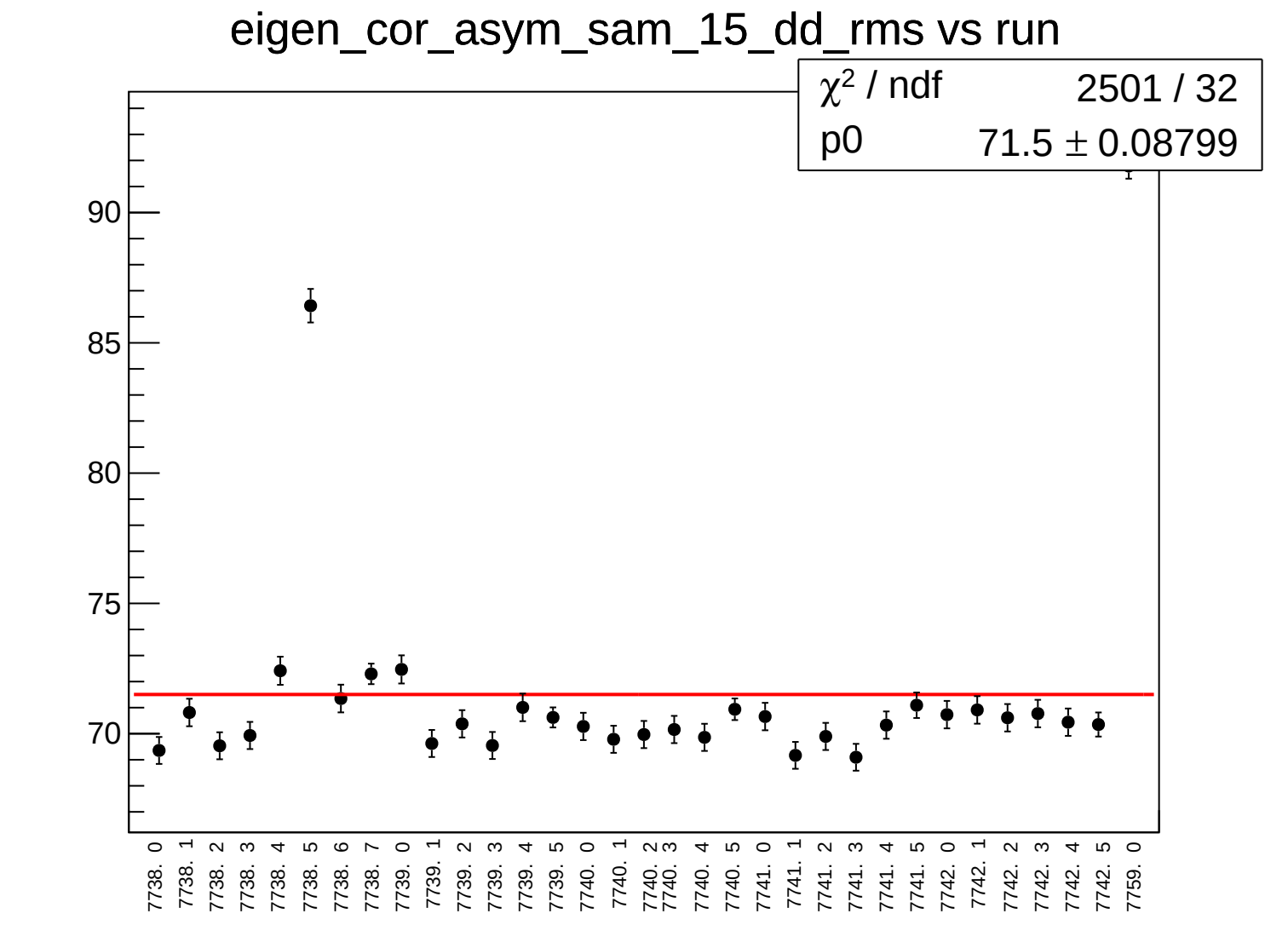

cor_asym_sam_15_dd_rms vs run
χ² / ndf 2501 / 32
p0 71.5 ± 0.08799
90
85
80
75
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

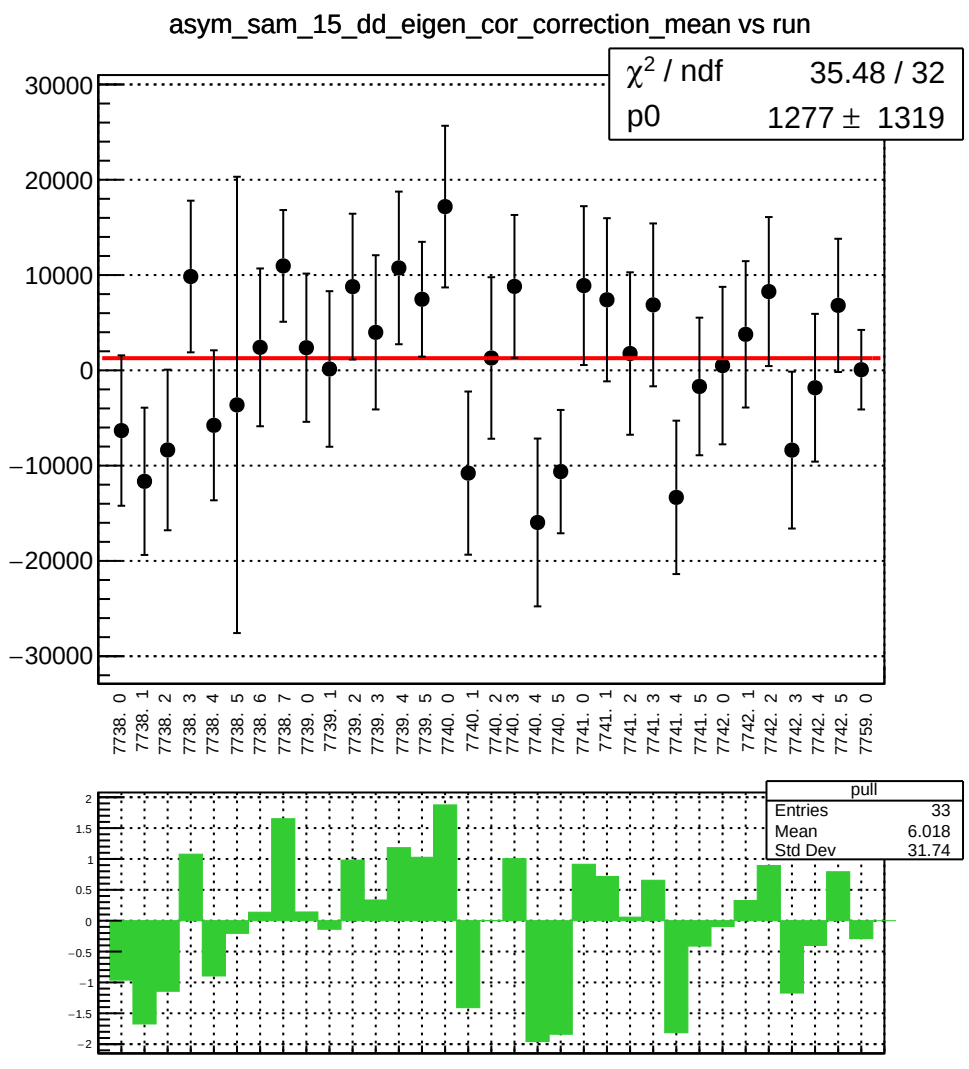

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 35.48 / 32
p0 1277 ± 1319
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.018
Std Dev 31.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

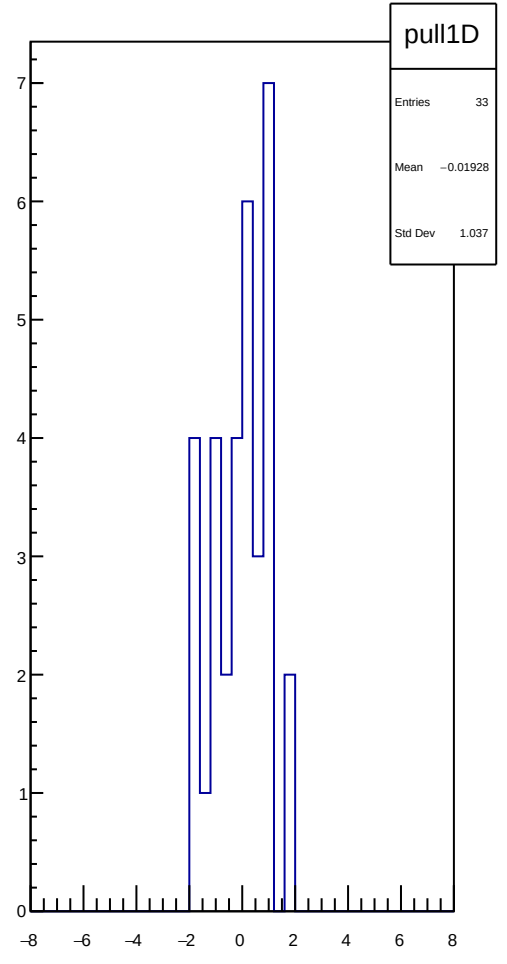

pull1D
Entries 33
Mean −0.01928
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

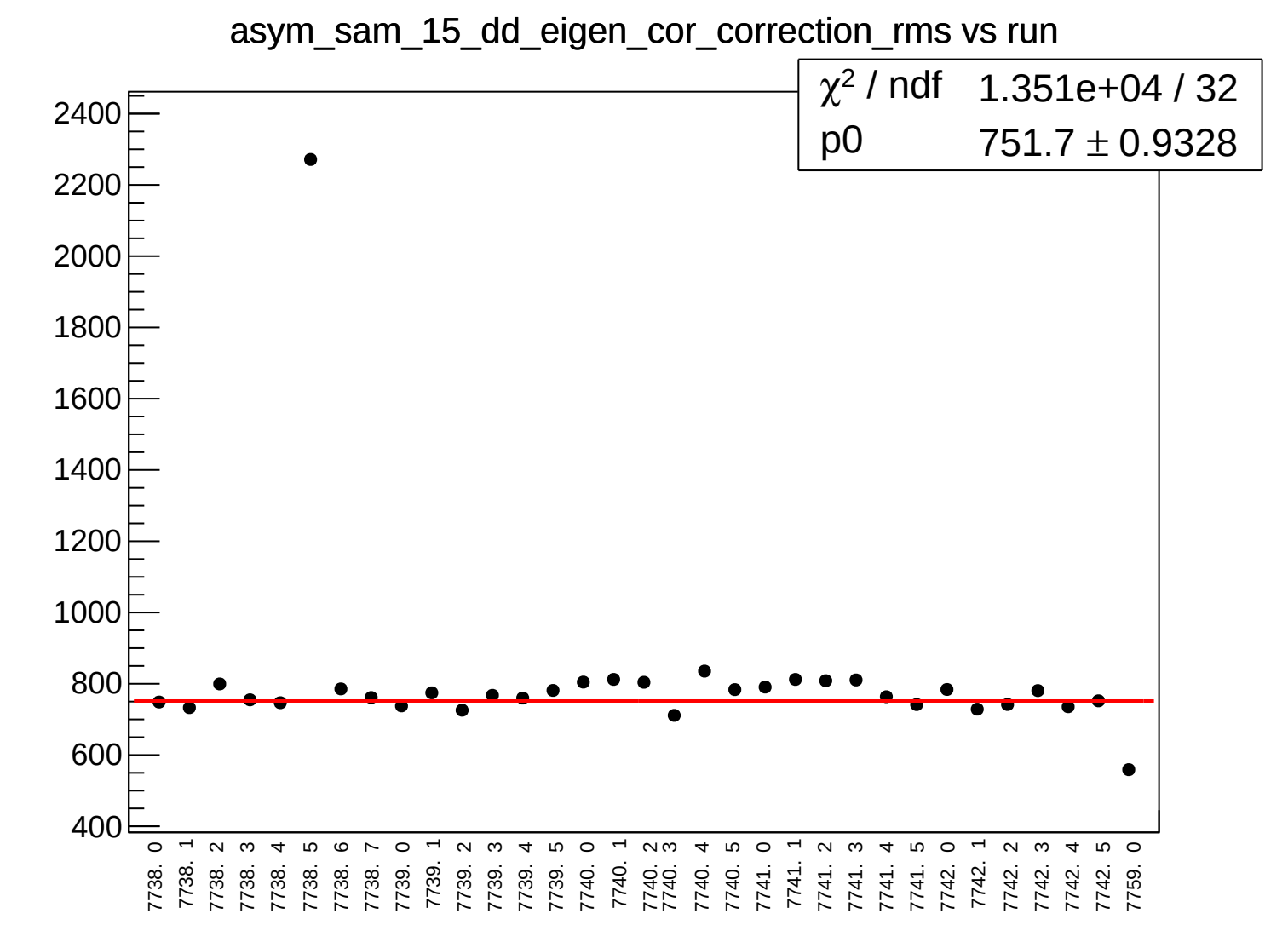

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 1.351e+04 / 32
p0 751.7 ± 0.9328
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

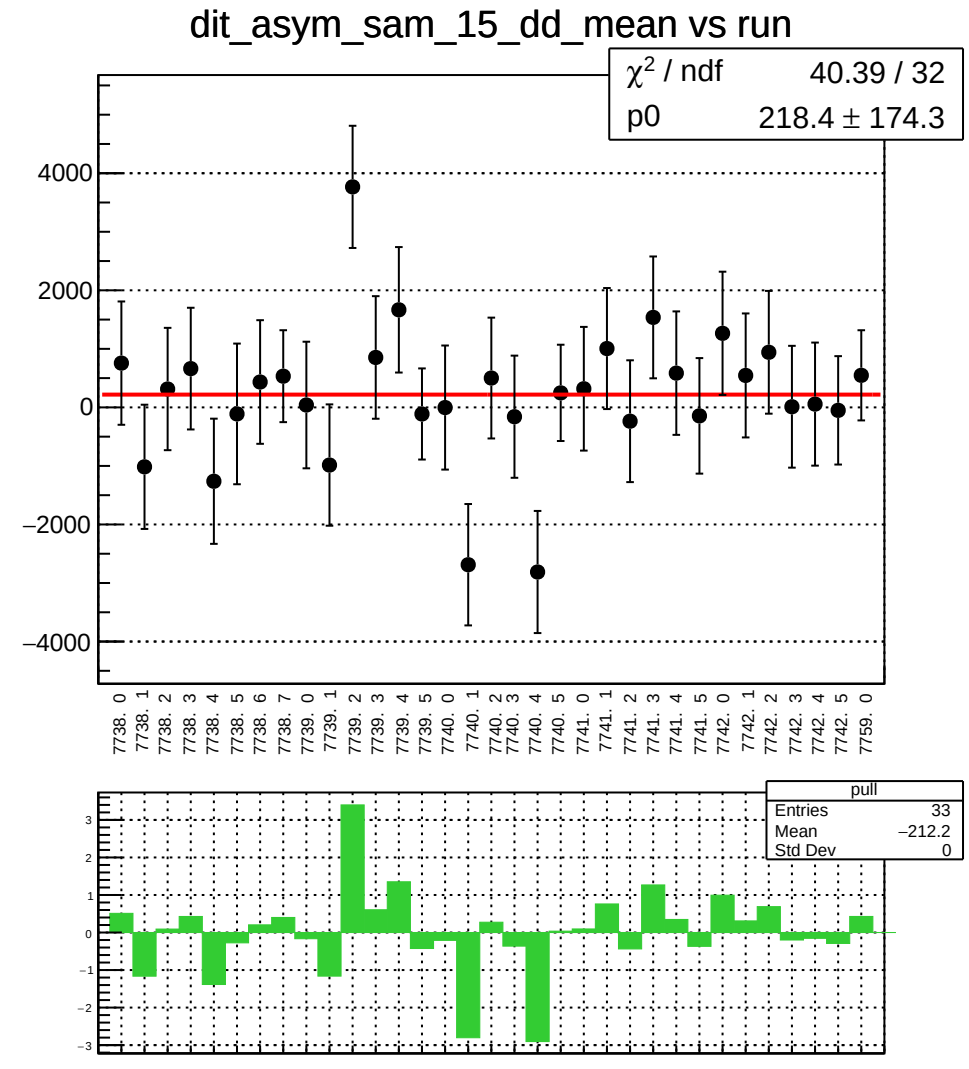

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 34.67 / 32
p0 98.67 ± 124.4
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.29
Std Dev 34.91
pull1D
Entries 33
Mean 0.00993
Std Dev 1.025

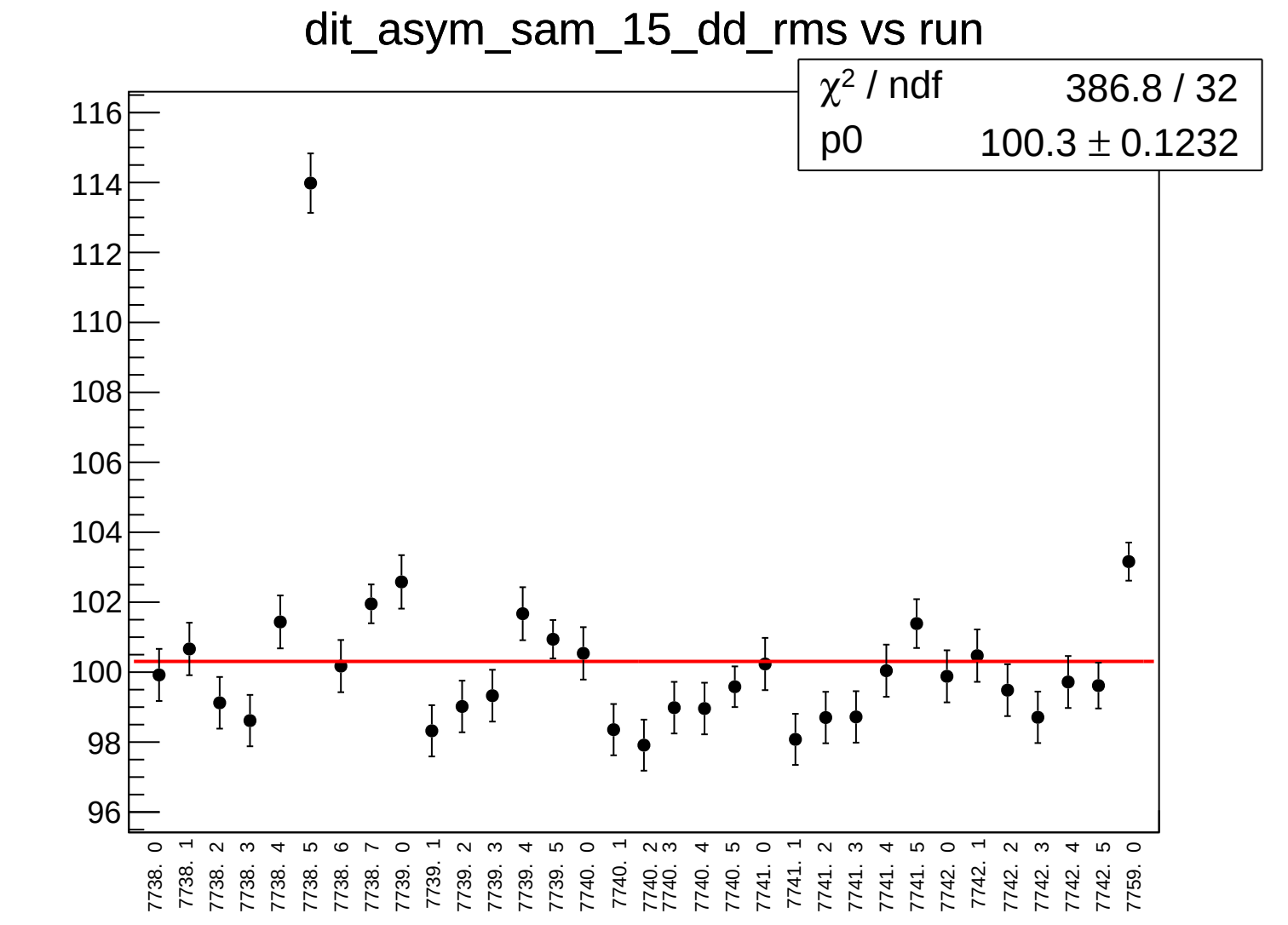

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 2501 / 32
p0 71.5 ± 0.08799
90
85
80
75
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

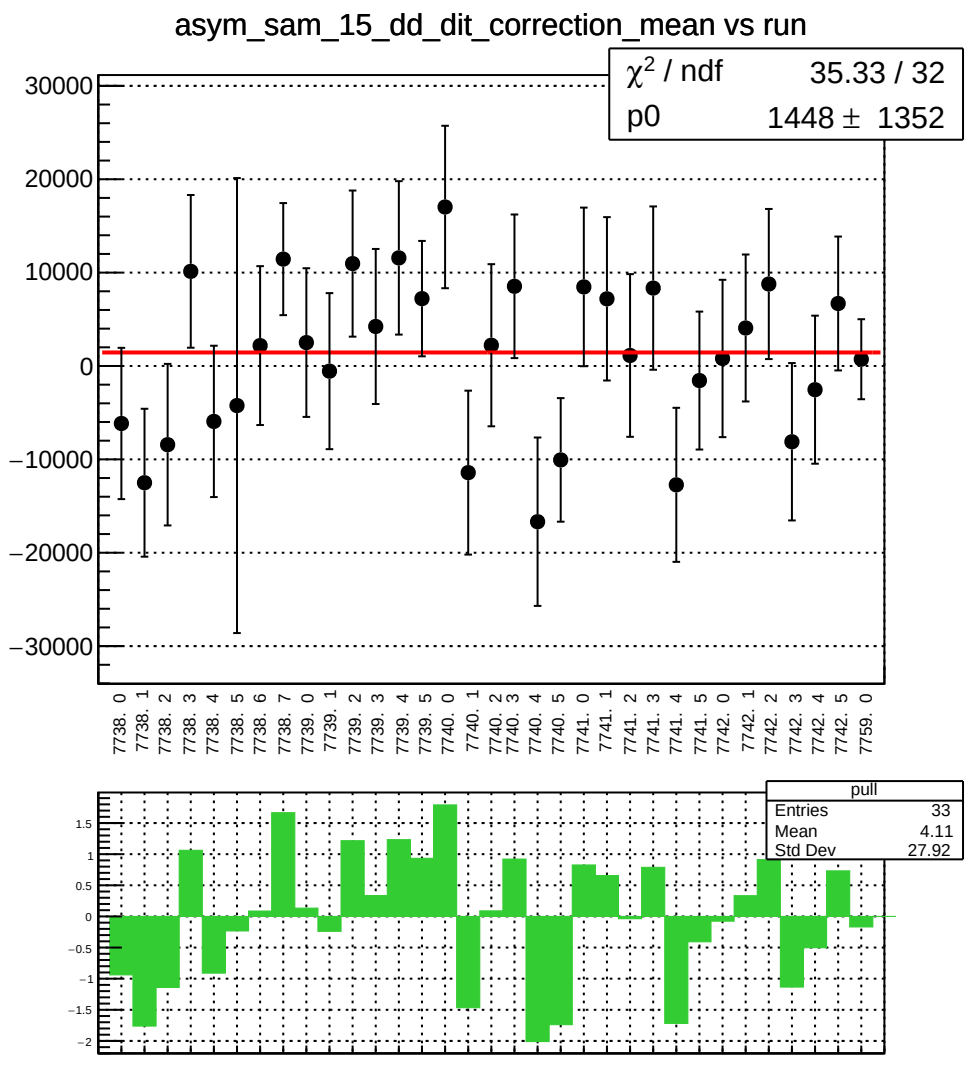

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 35.48 / 32
p0 1277 ± 1319
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.018
Std Dev 31.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

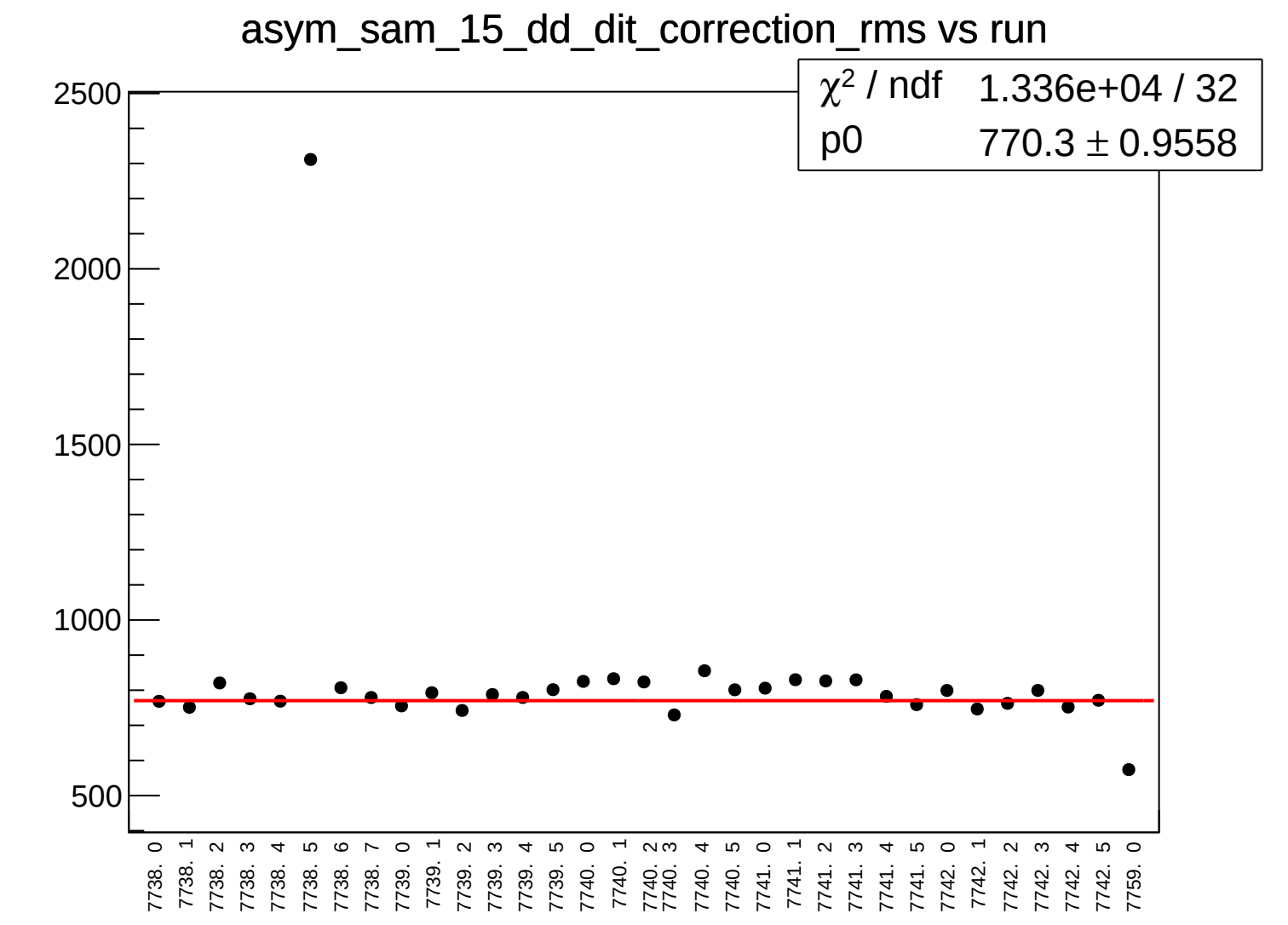

pull1D
Entries 33
Mean −0.01928
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

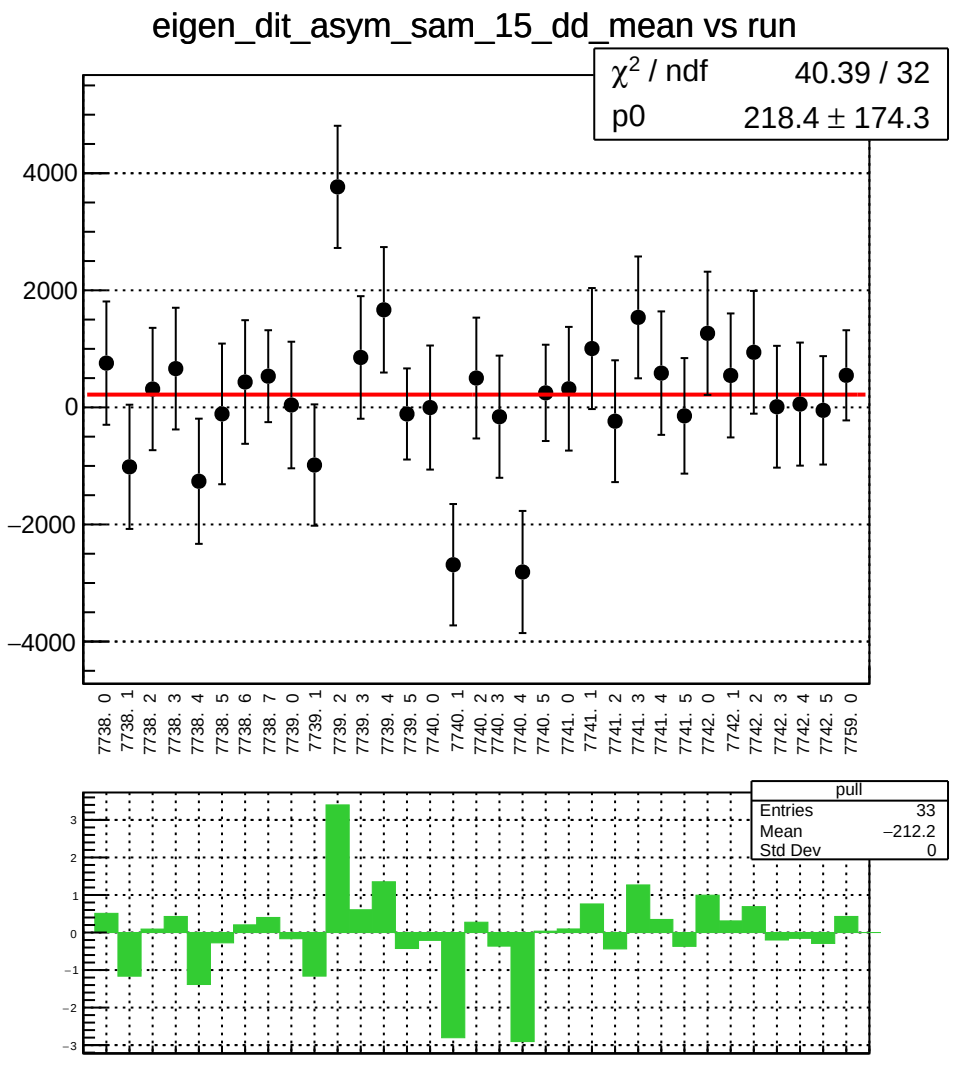

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.351e+04 / 32
p0 751.7 ± 0.9328
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

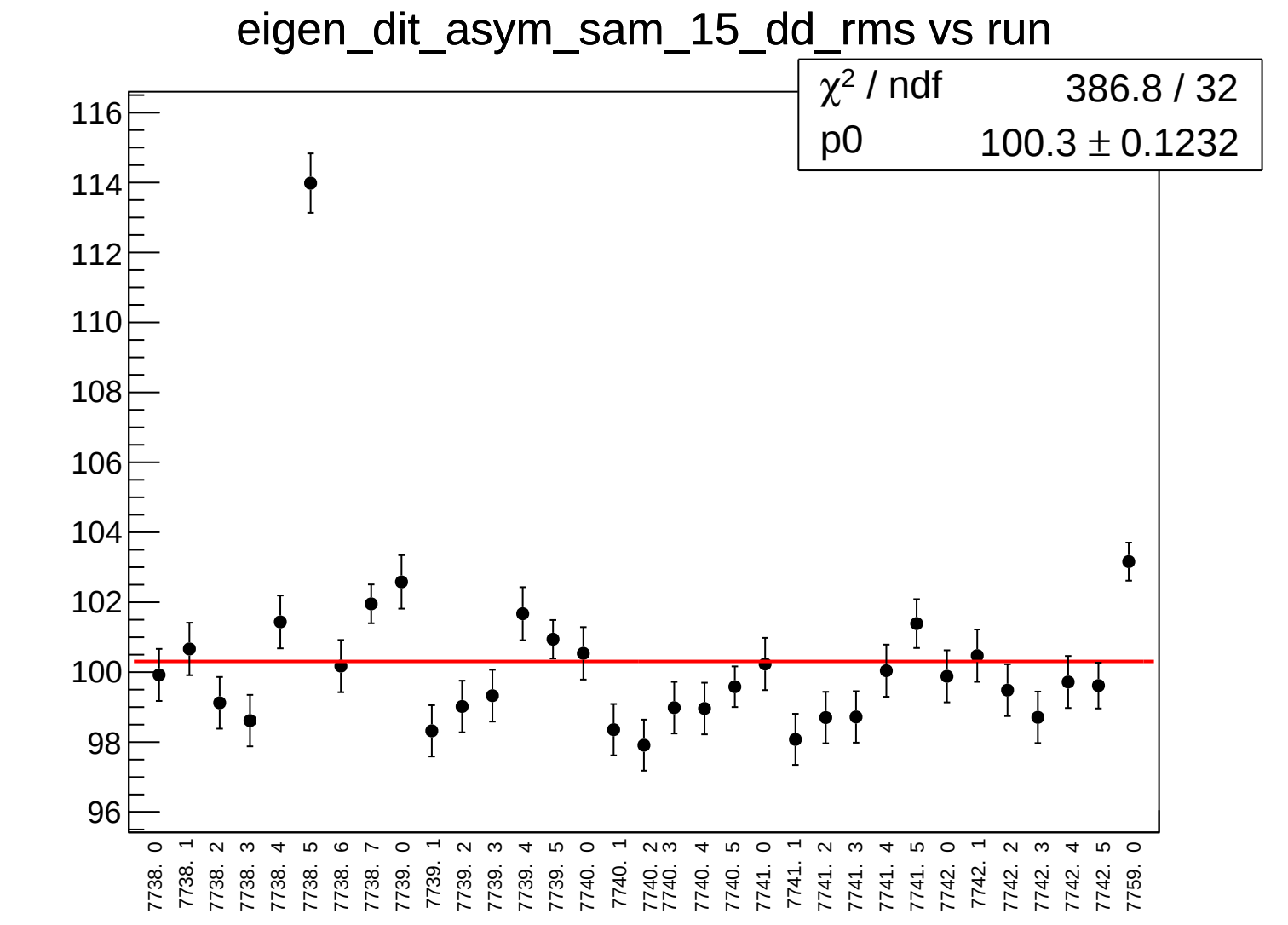

dit_asym_sam_15_dd_mean vs run
χ² / ndf 40.39 / 32
p0 218.4 ± 174.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −212.2
Std Dev 0
pull1D
Entries 33
Mean −0.003276
Std Dev 1.106

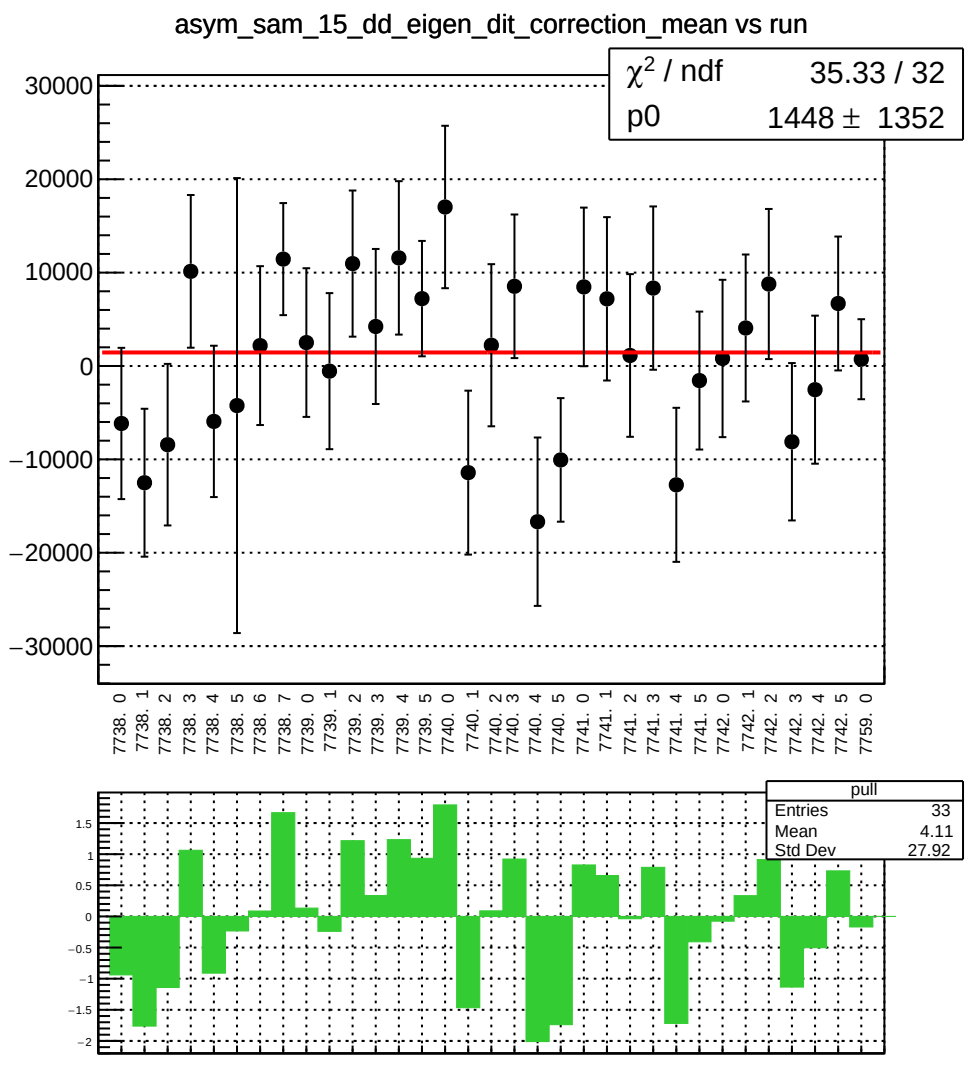

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 386.8 / 32
p0 100.3 ± 0.1232
116
114
112
110
108
106
104
102
100
98
96
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

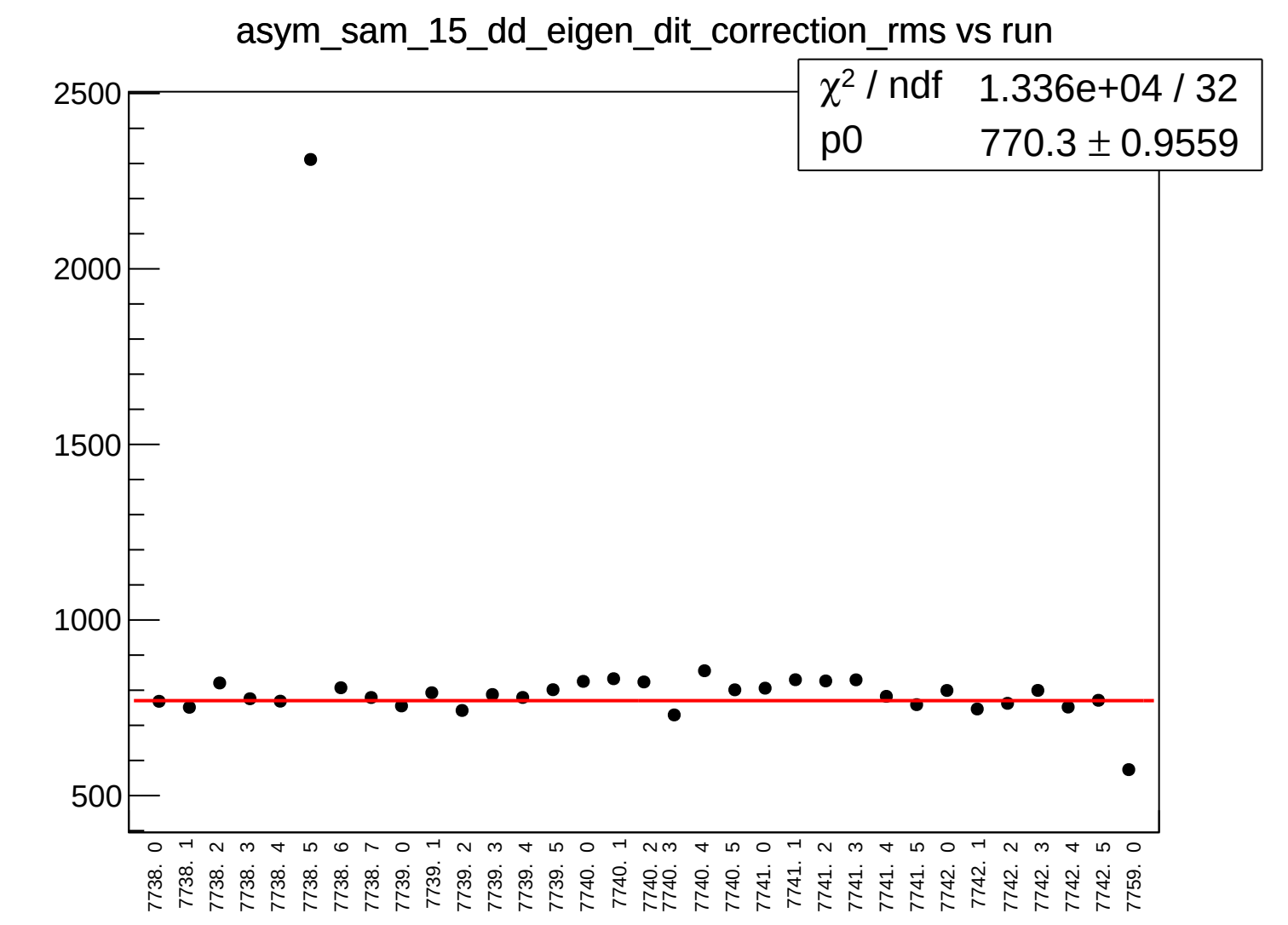

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 35.33 / 32
p0 1448 ± 1352
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.11
Std Dev 27.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.0233
Std Dev 1.034
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

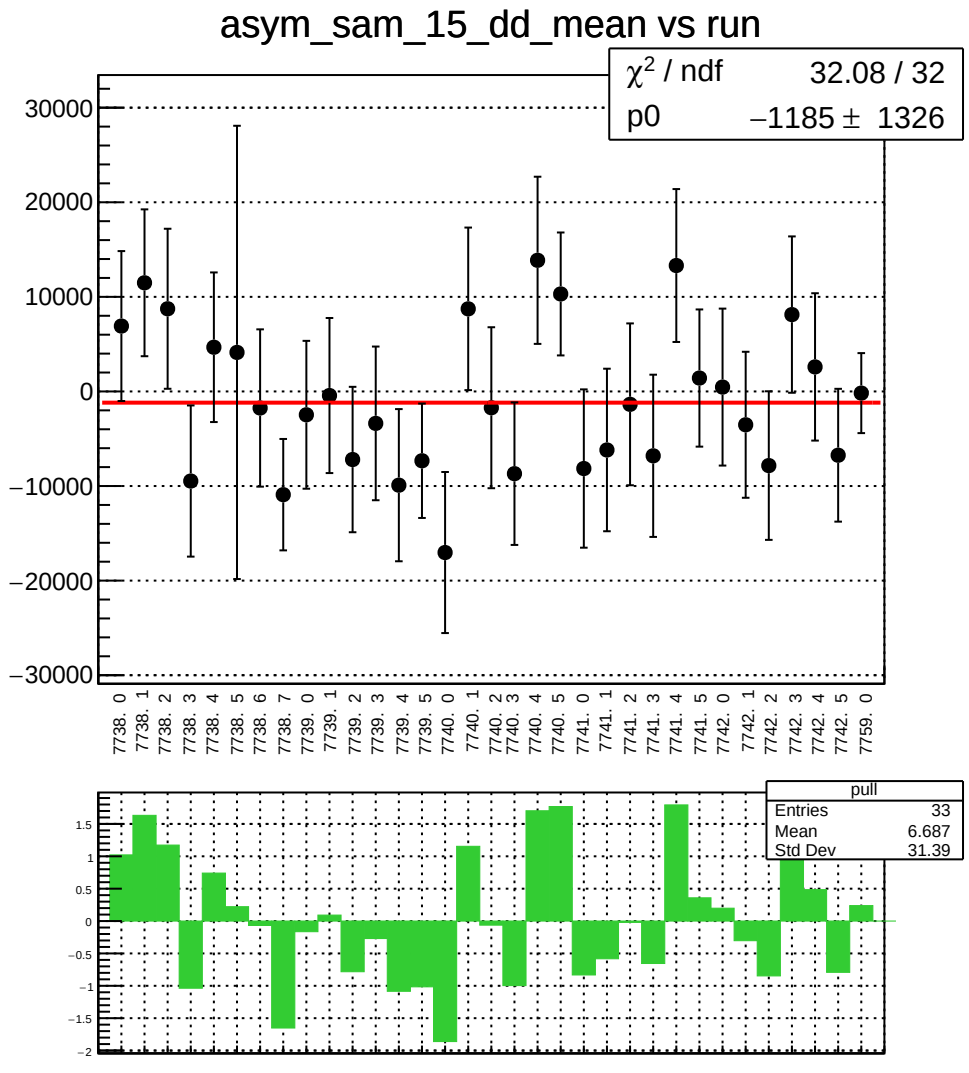

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 1.336e+04 / 32
p0 770.3 ± 0.9558
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

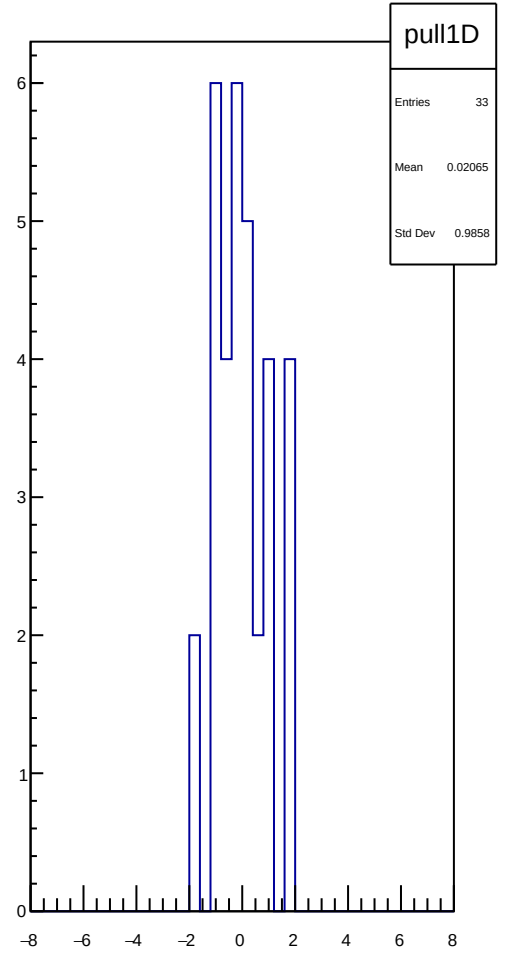

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 40.39 / 32
p0 218.4 ± 174.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −212.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.003276
Std Dev 1.106
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

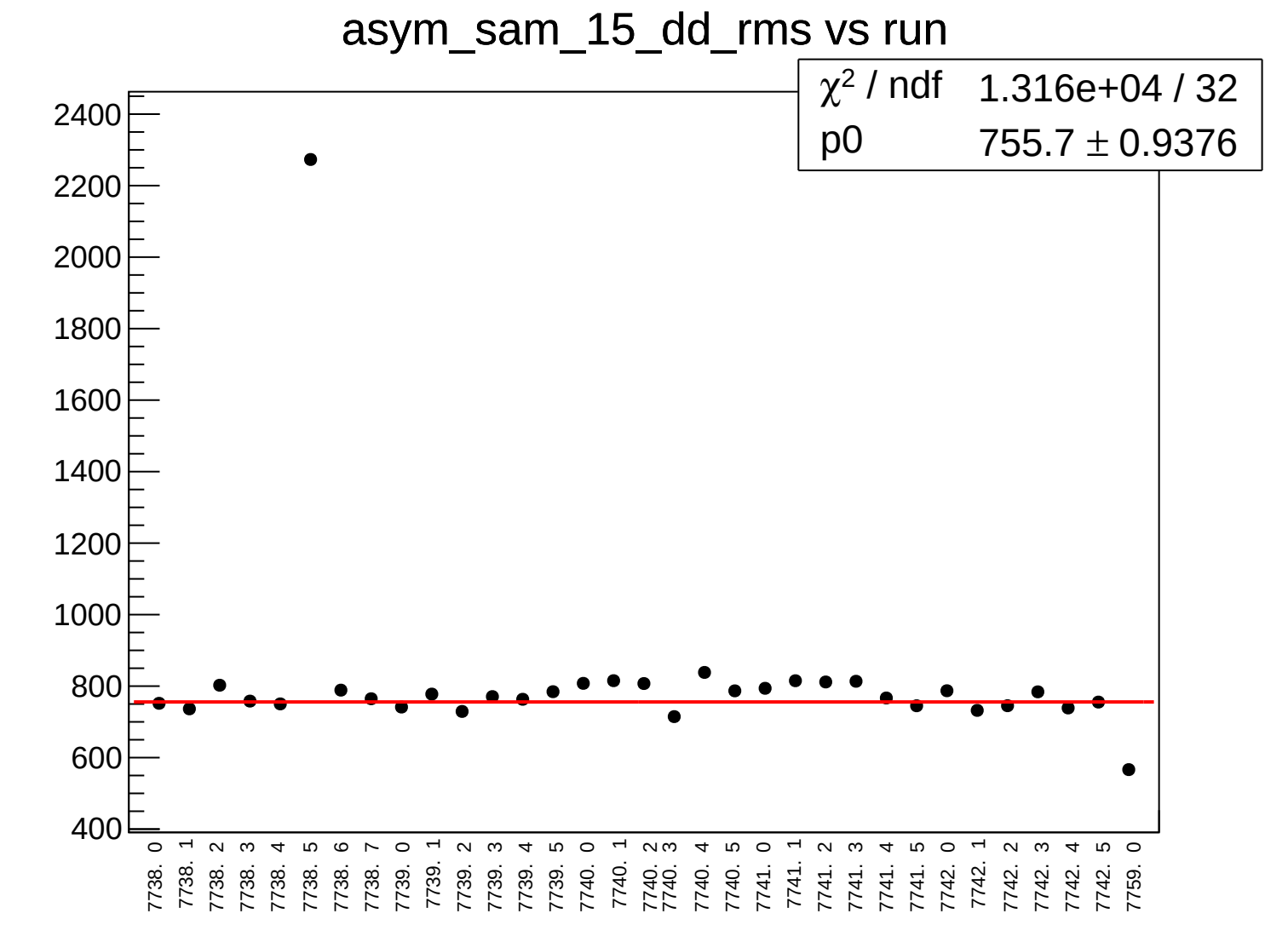

eigen_dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 386.8 / 32
p0 100.3 ± 0.1232
116
114
112
110
108
106
104
102
100
98
96
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

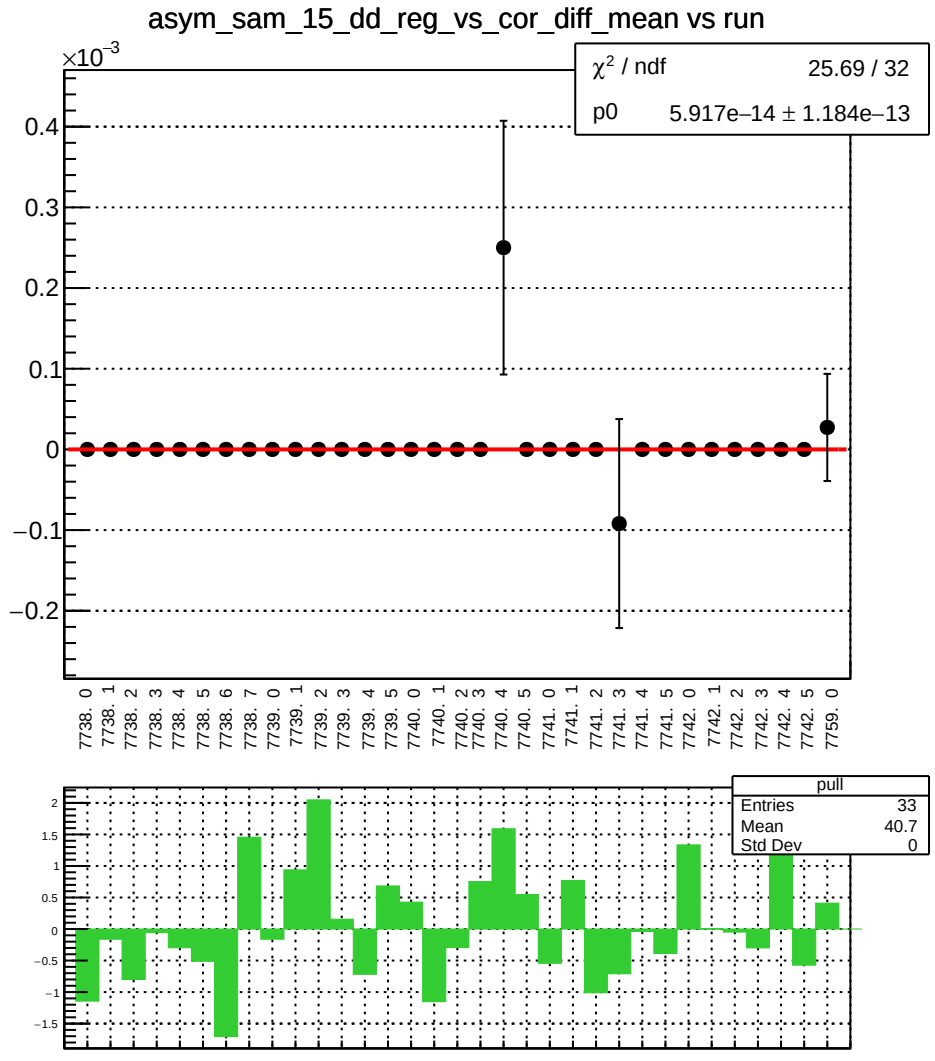

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 35.33 / 32
p0 1448 ± 1352
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.11
Std Dev 27.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.0233
Std Dev 1.034
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

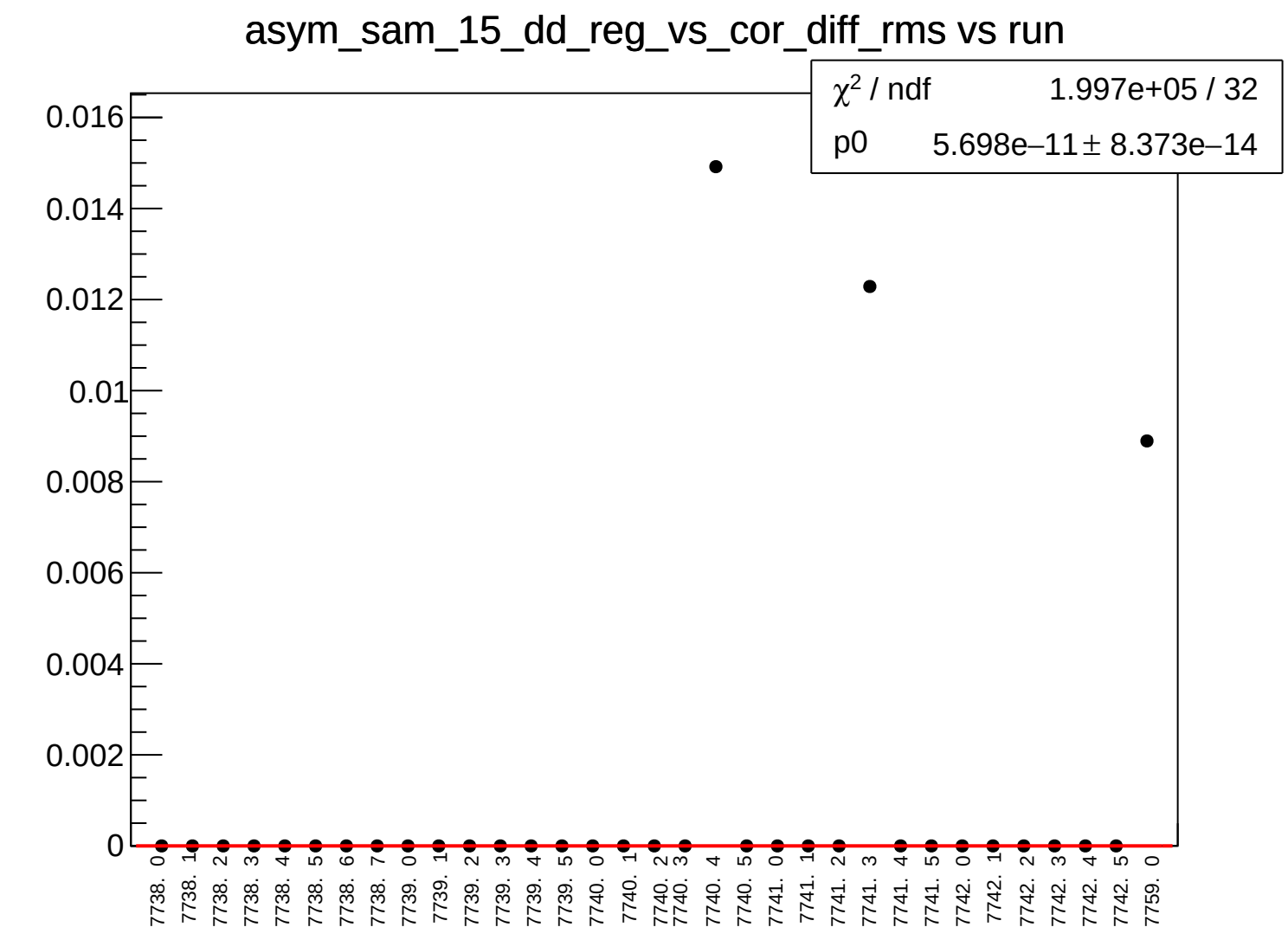

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.336e+04 / 32
p0 770.3 ± 0.9559
2500
2000
1500
1000
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

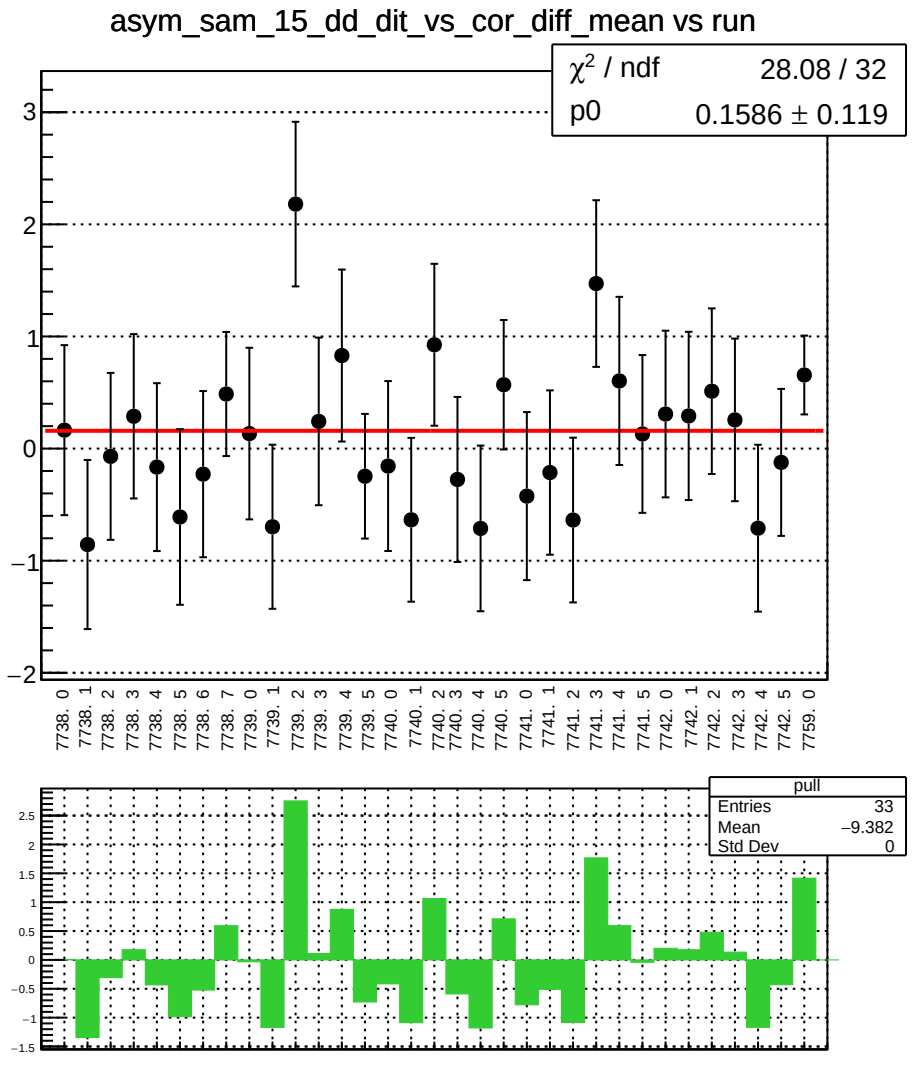

asym_sam_15_dd_mean vs run
χ² / ndf 32.08 / 32
p0 −1185 ± 1326
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.687
Std Dev 31.39
1.5
1
0.5
0
−0.5
−1
−1.5
−2

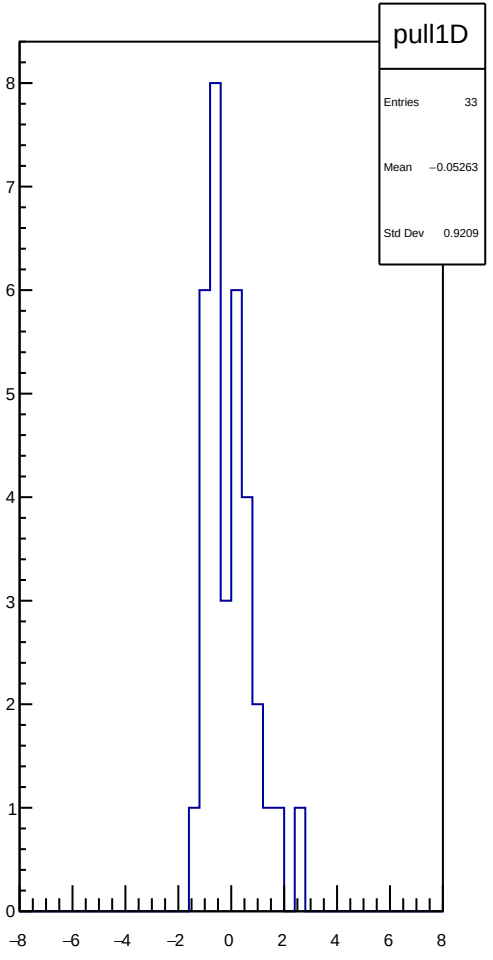

pull1D
Entries 33
Mean 0.02065
Std Dev 0.9858
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

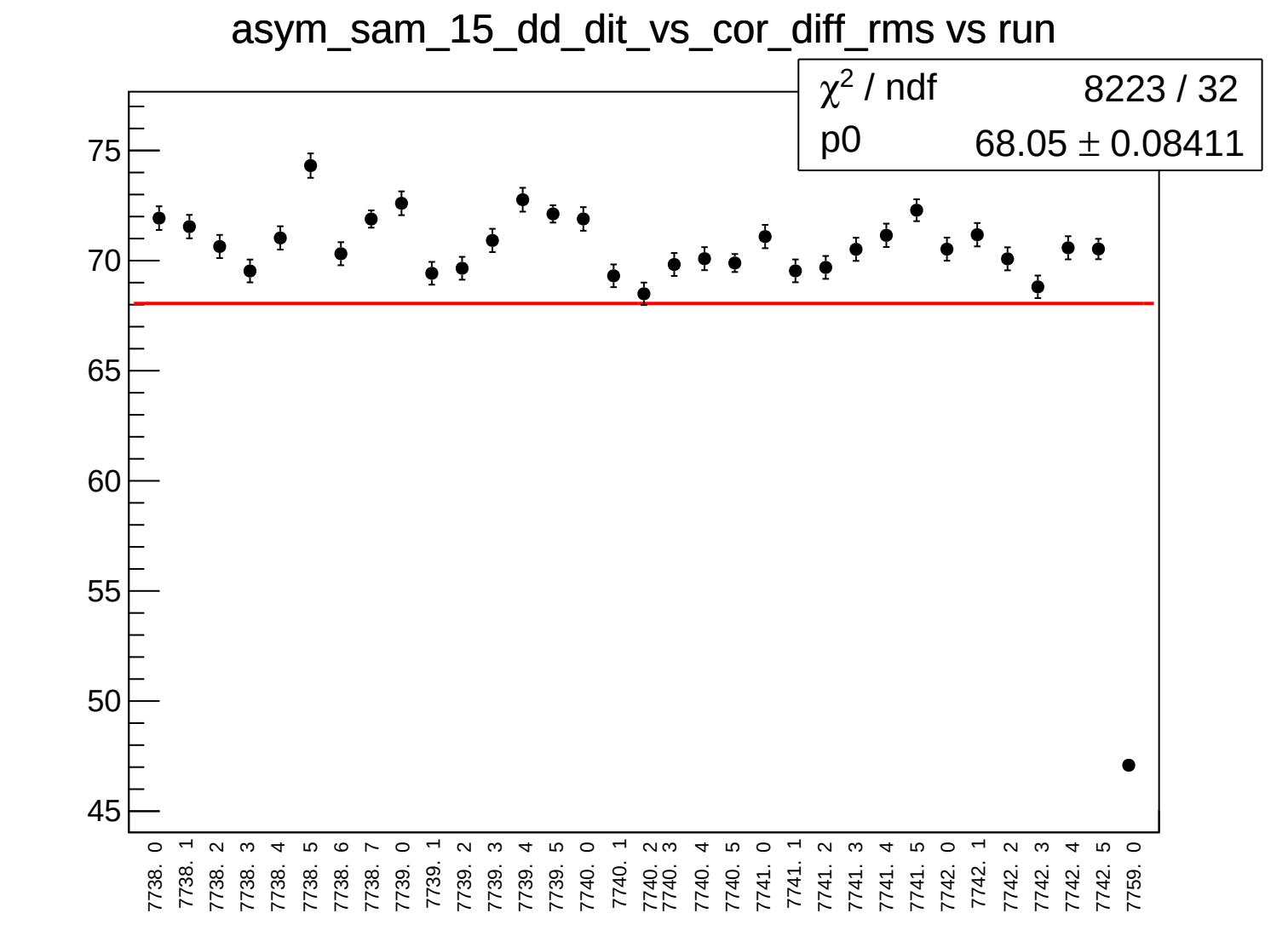

asym_sam_15_dd_rms vs run
χ² / ndf 1.316e+04 / 32
p0 755.7 ± 0.9376
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

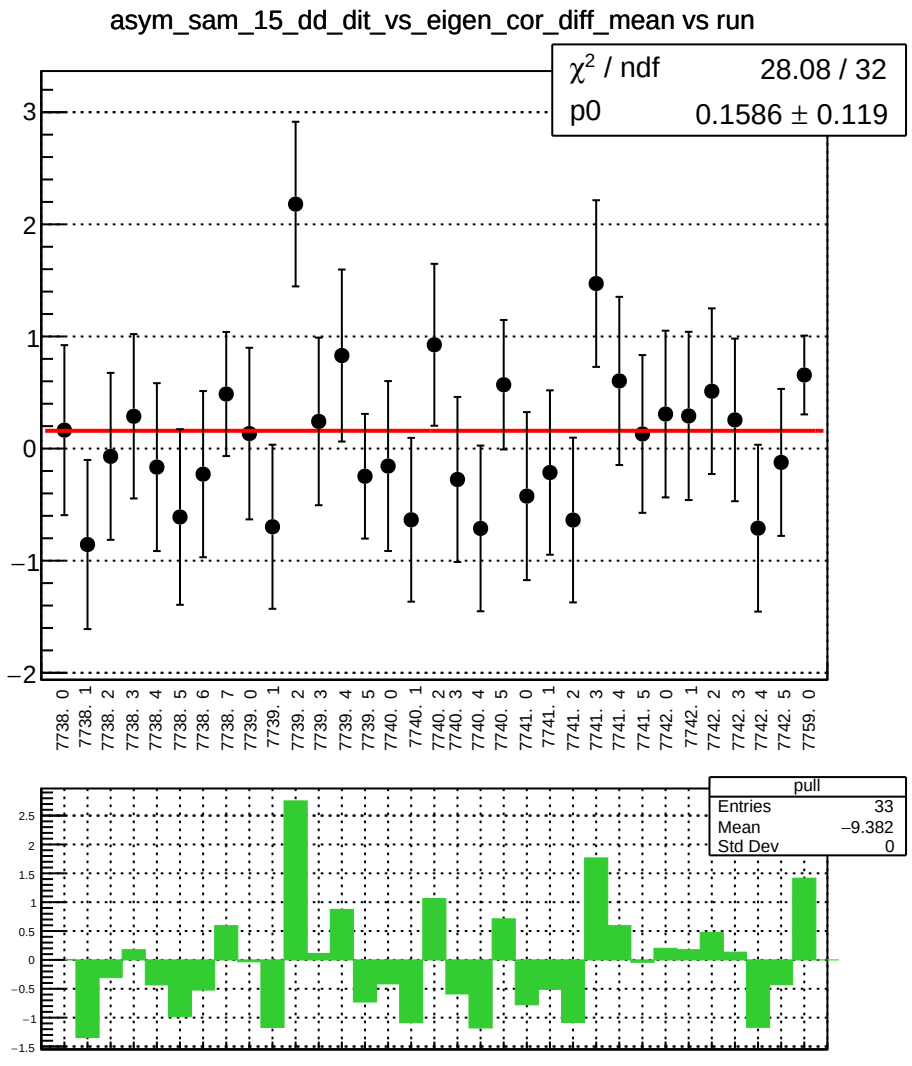

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 25.69 / 32
p0 5.917e−14 ± 1.184e−13
0.4
0.3
0.2
0.1
0
−0.1
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 40.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.06158
Std Dev 0.8802
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

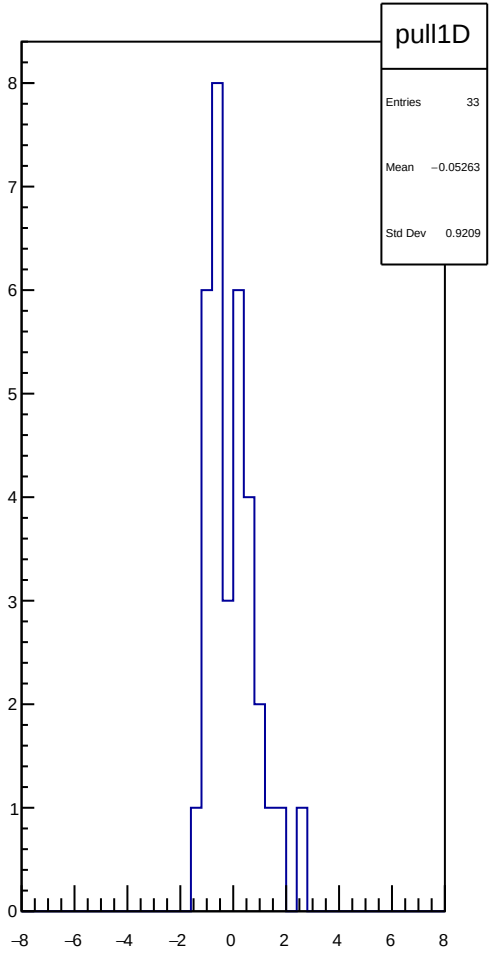

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.997e+05 / 32
p0 5.698e−11 ± 8.373e−14
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

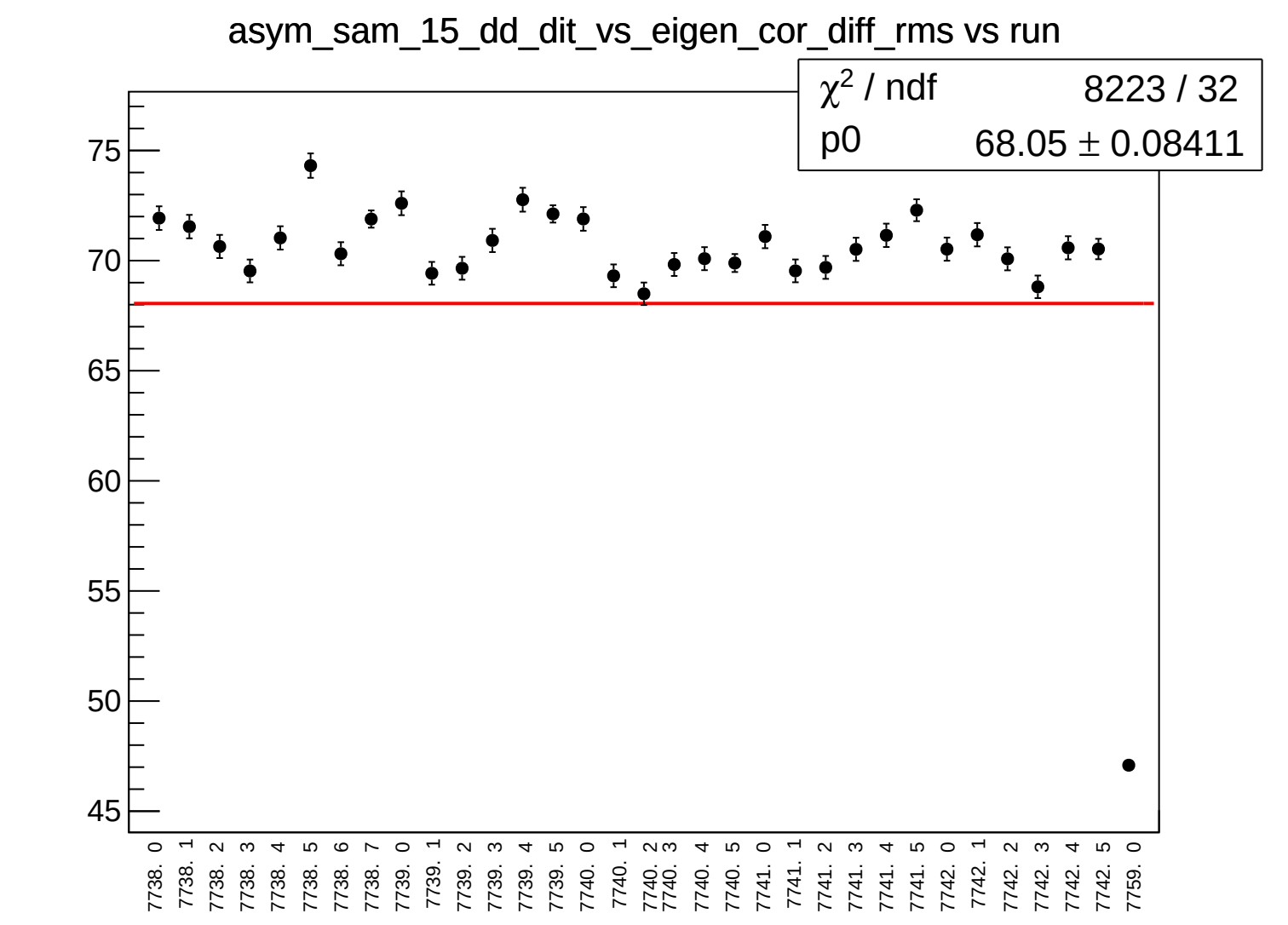

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 28.08 / 32
p0 0.1586 ± 0.119
pull
Entries 33
Mean −9.382
Std Dev 0

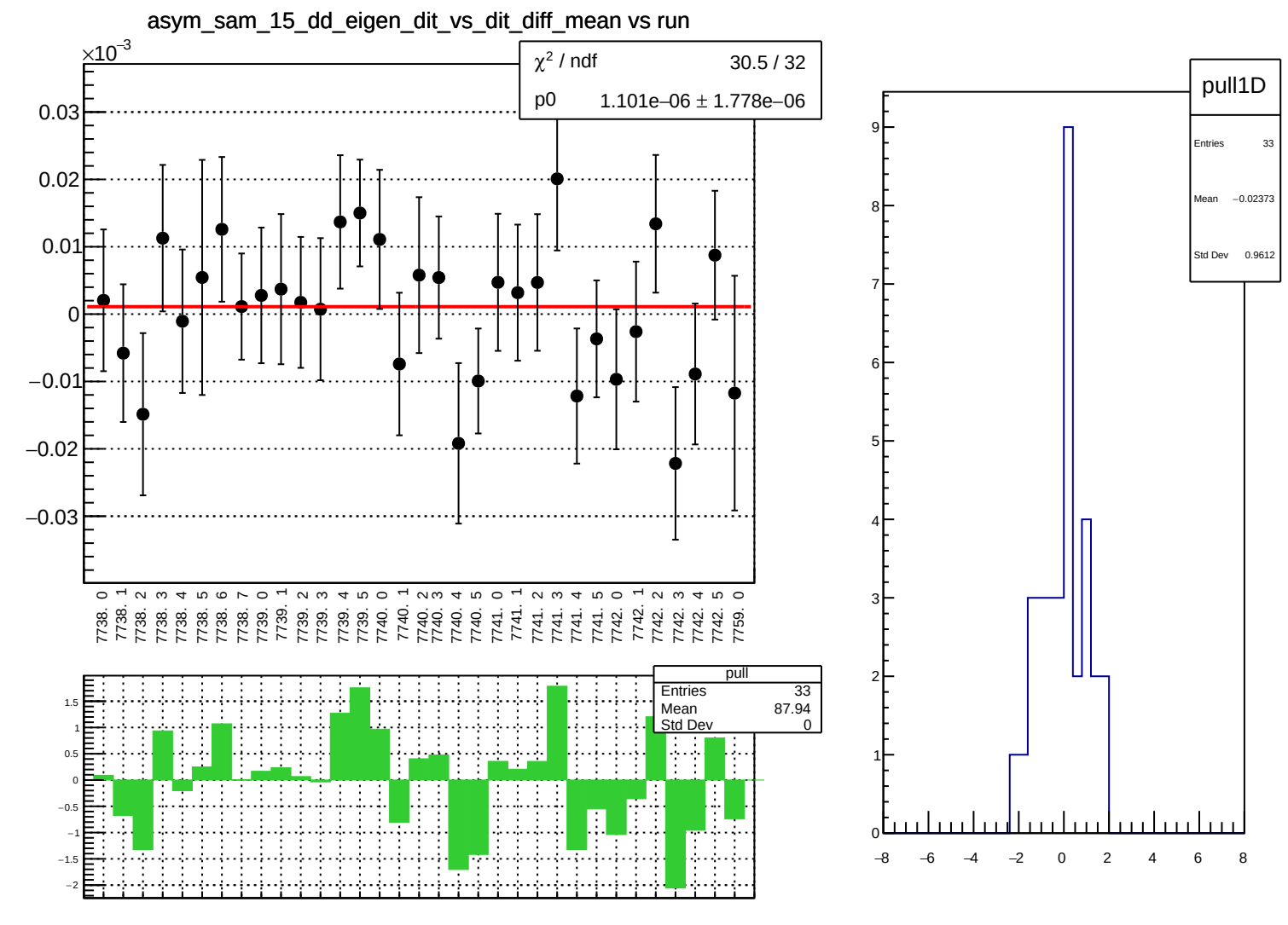

pull1D
Entries 33
Mean −0.05263
Std Dev 0.9209

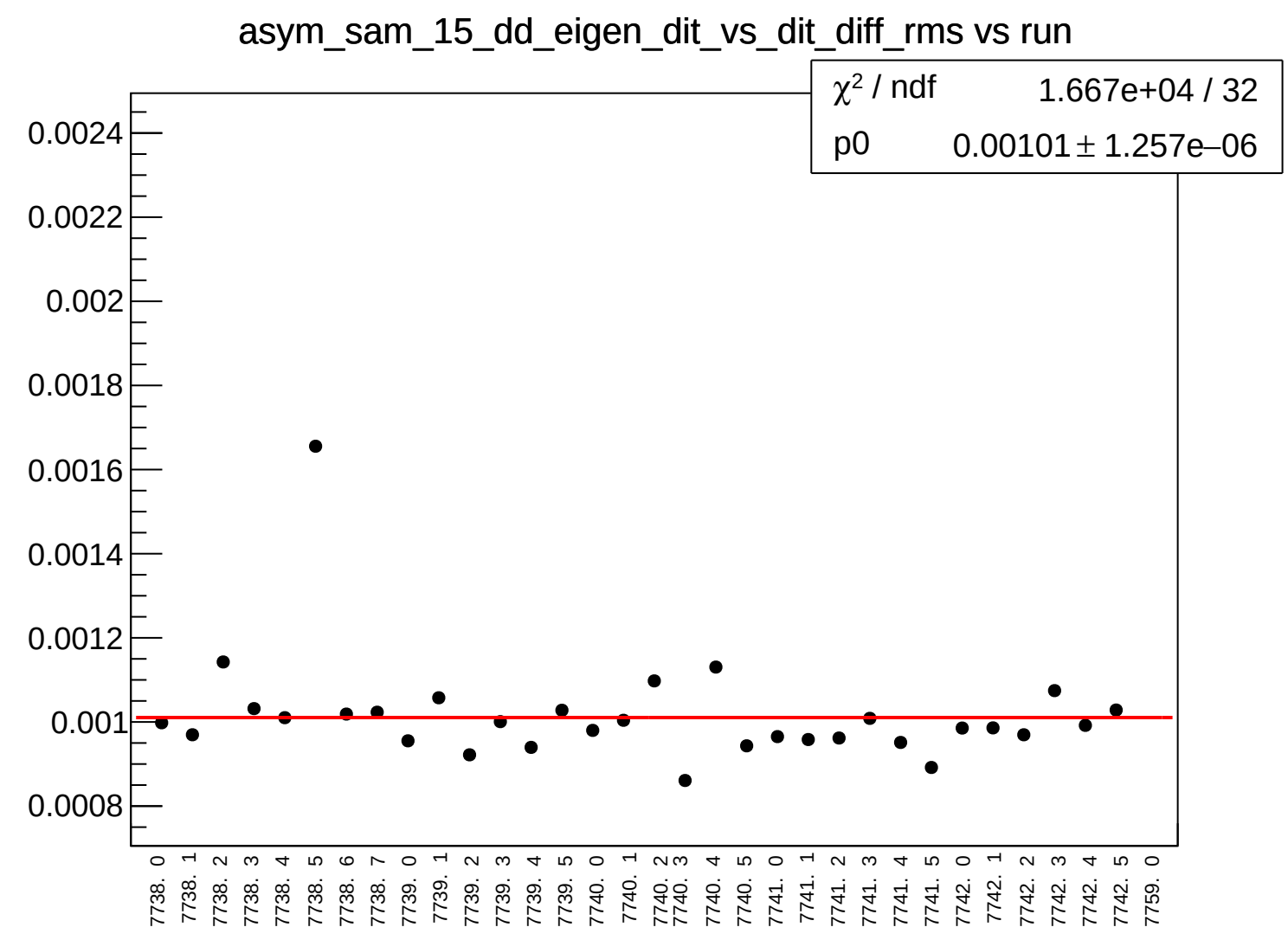

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8223 / 32
p0 68.05 ± 0.08411
75
70
65
60
55
50
45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

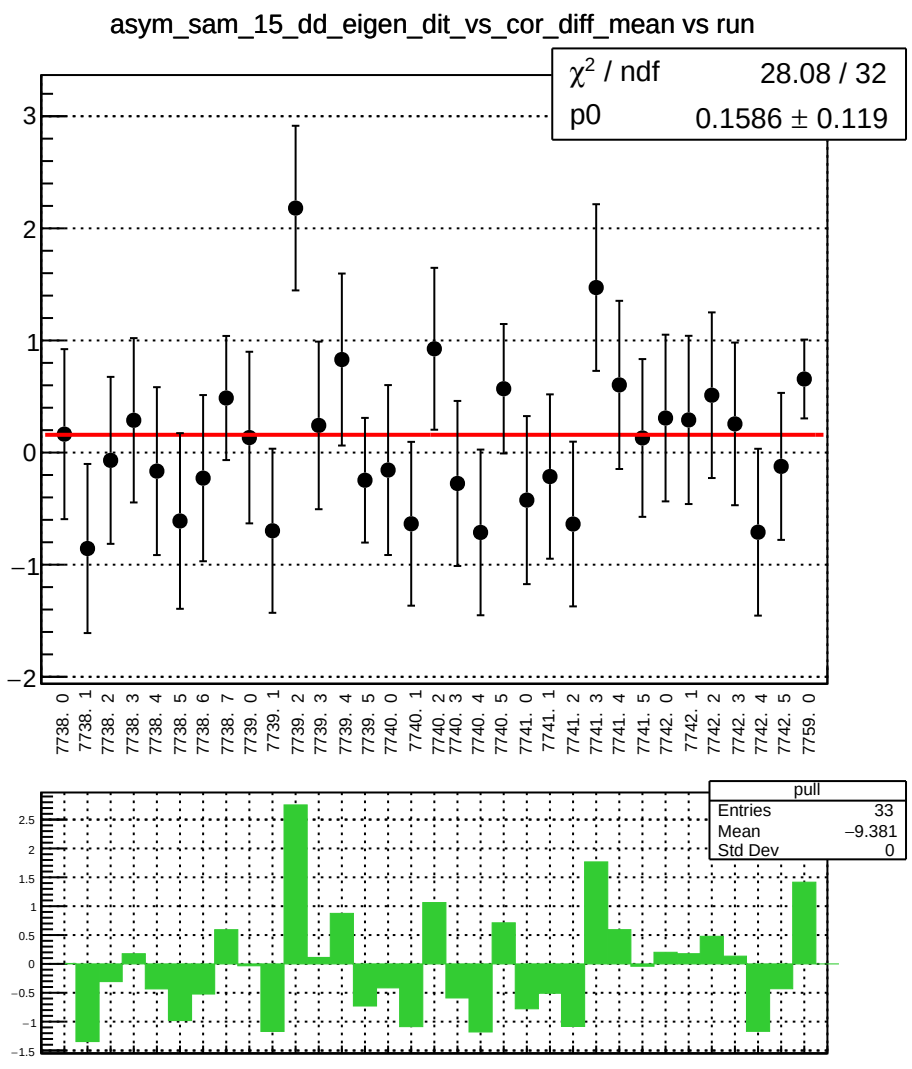

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.08 / 32
p0 0.1586 ± 0.119
pull
Entries 33
Mean −9.382
Std Dev 0

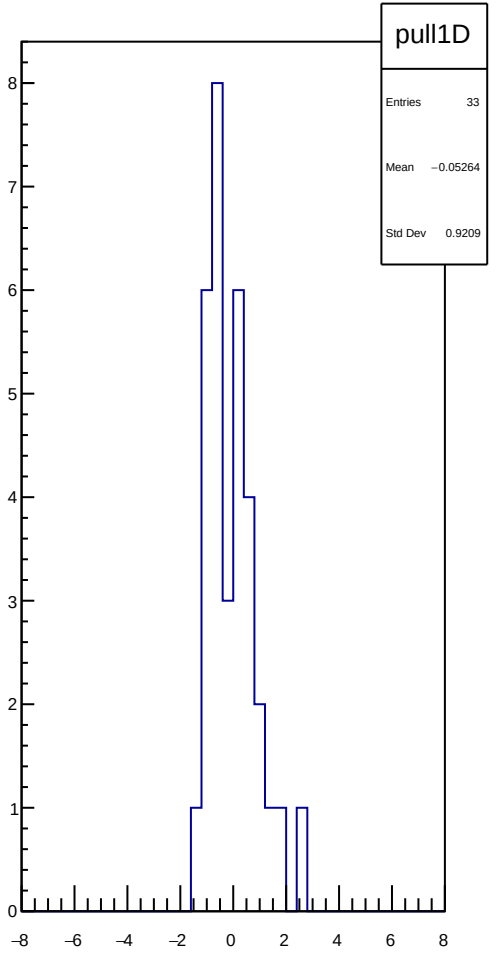

pull1D
Entries 33
Mean −0.05263
Std Dev 0.9209

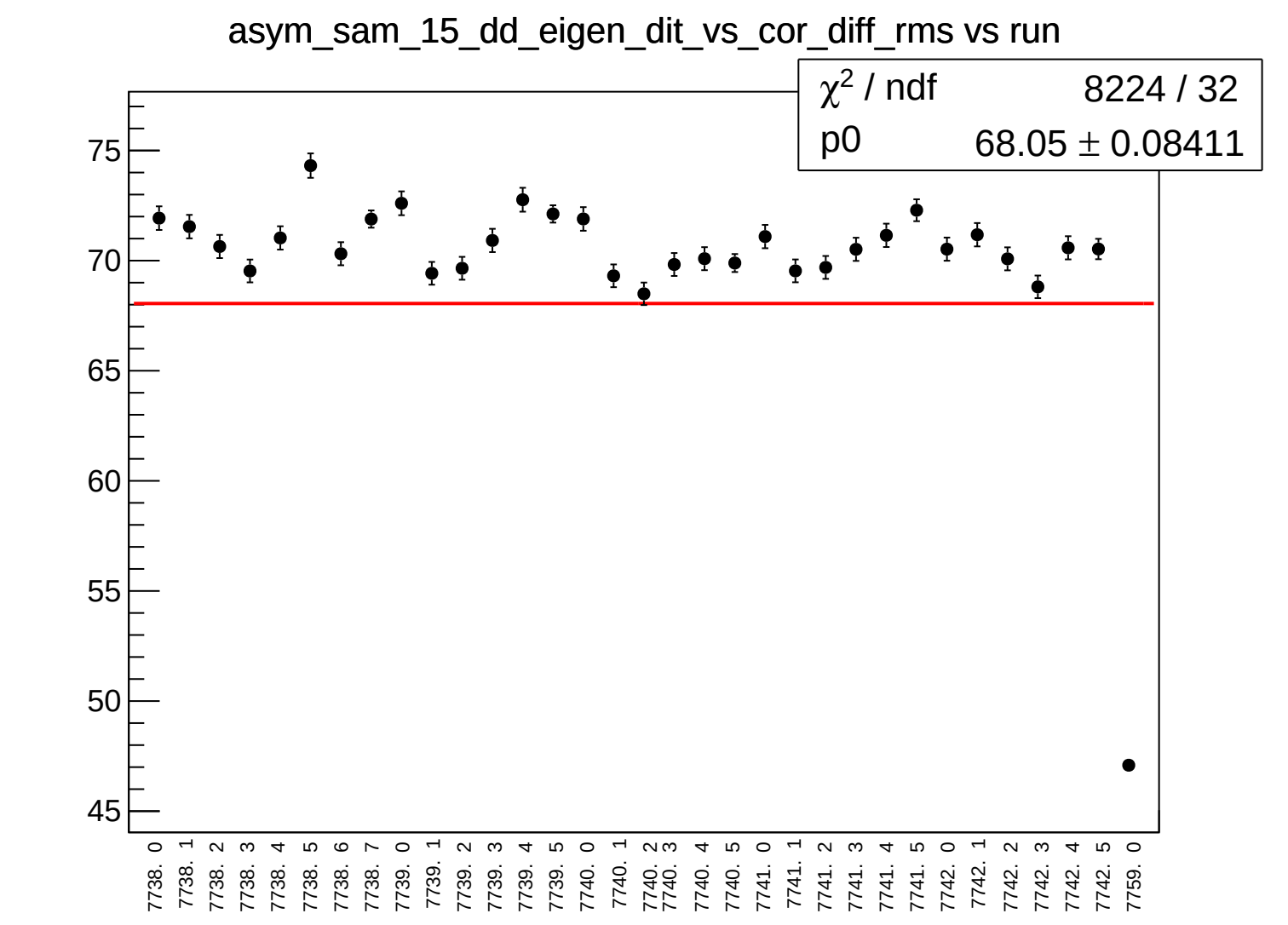

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8223 / 32
p0 68.05 ± 0.08411
75
70
65
60
55
50
45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

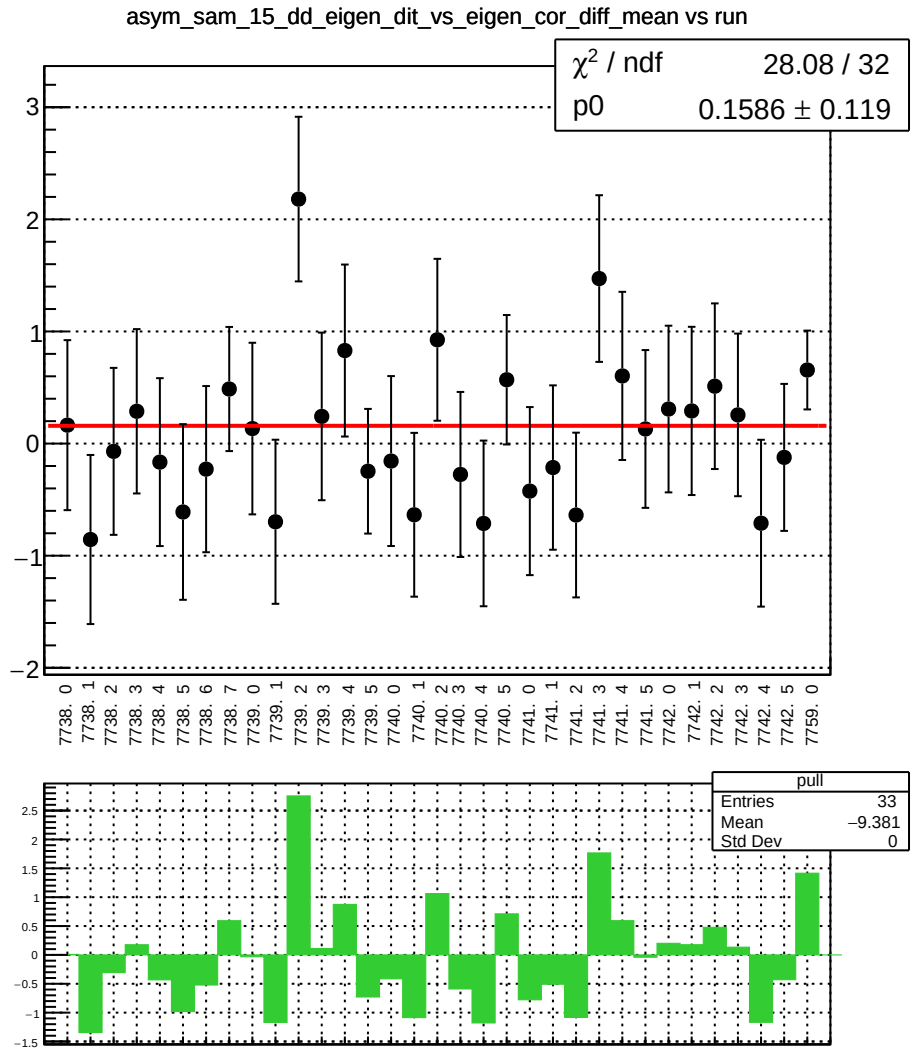

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.5 / 32
p0 1.101e−06 ± 1.778e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 87.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02373
Std Dev 0.9612
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

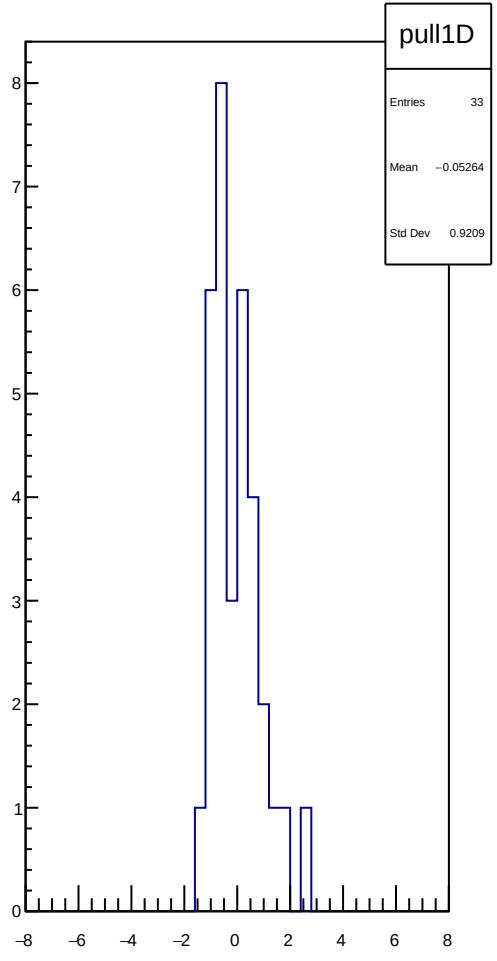

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.667e+04 / 32
p0 0.00101 ± 1.257e–06
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

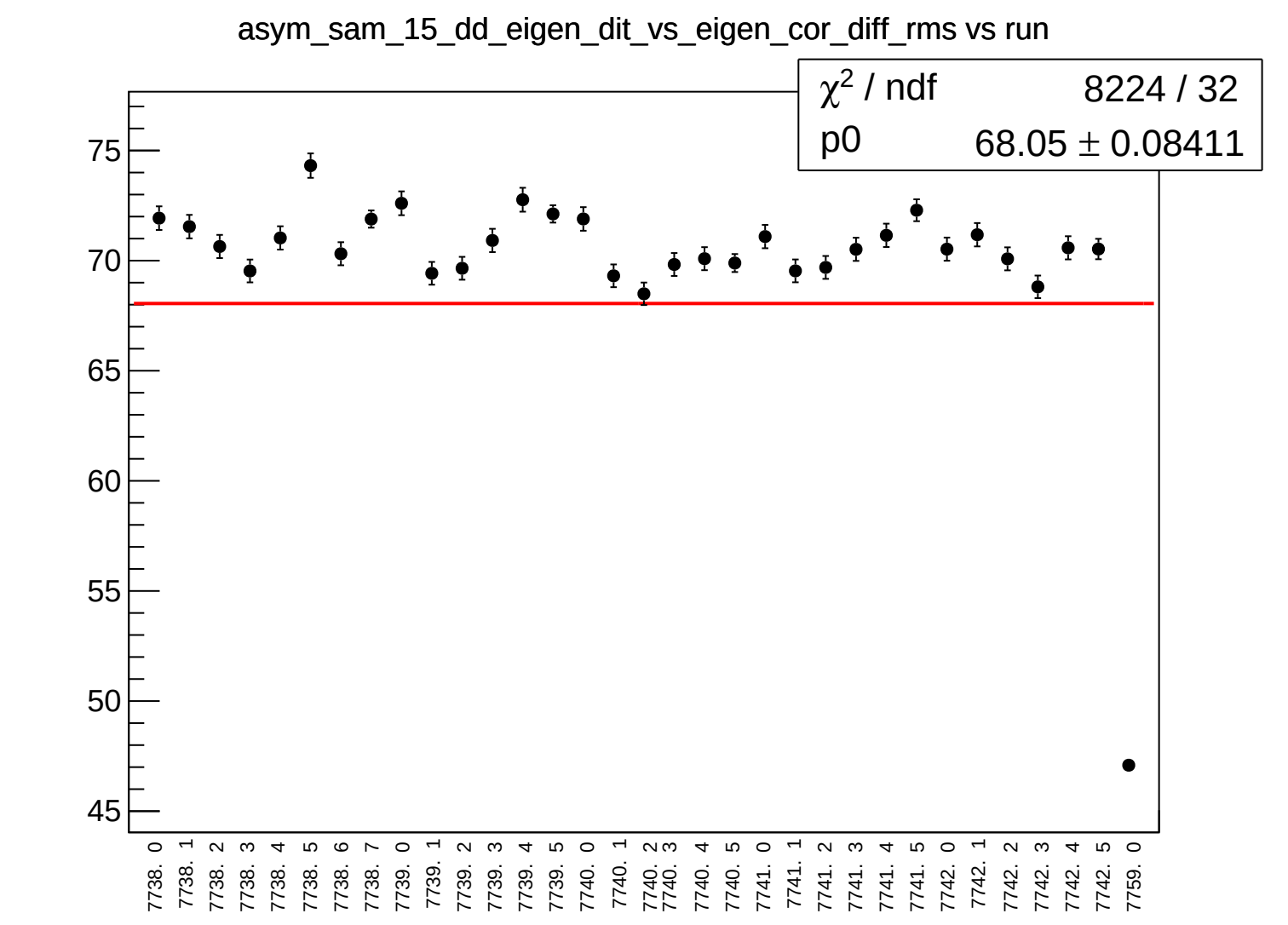

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.08 / 32
p0 0.1586 ± 0.119
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.381
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

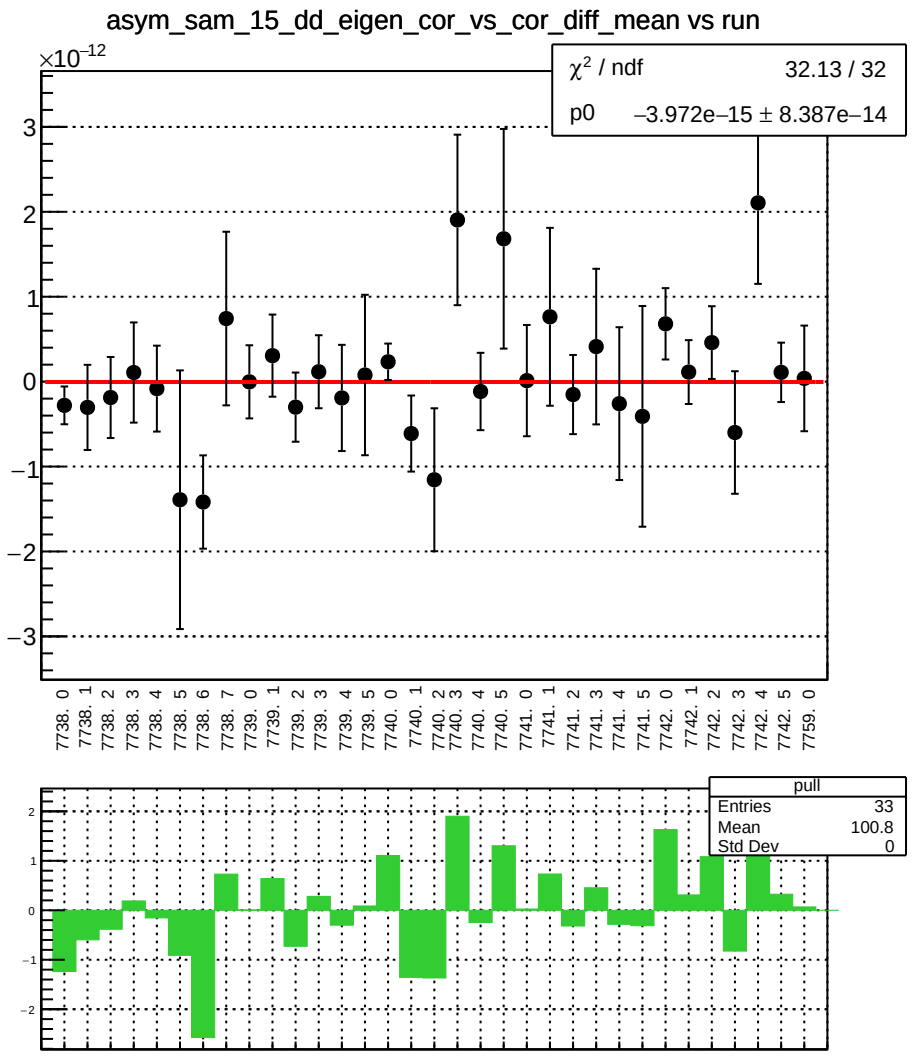

pull1D
Entries 33
Mean −0.05264
Std Dev 0.9209
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

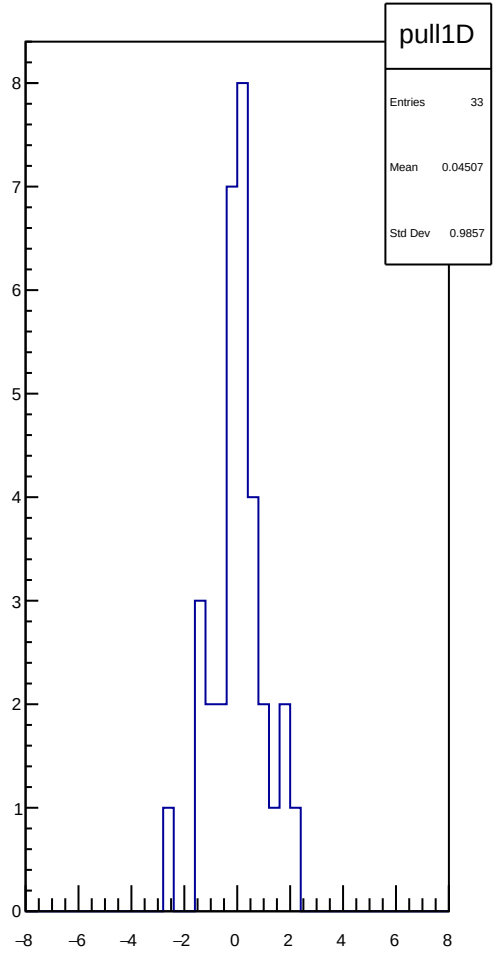

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8224 / 32
p0 68.05 ± 0.08411
75
70
65
60
55
50
45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

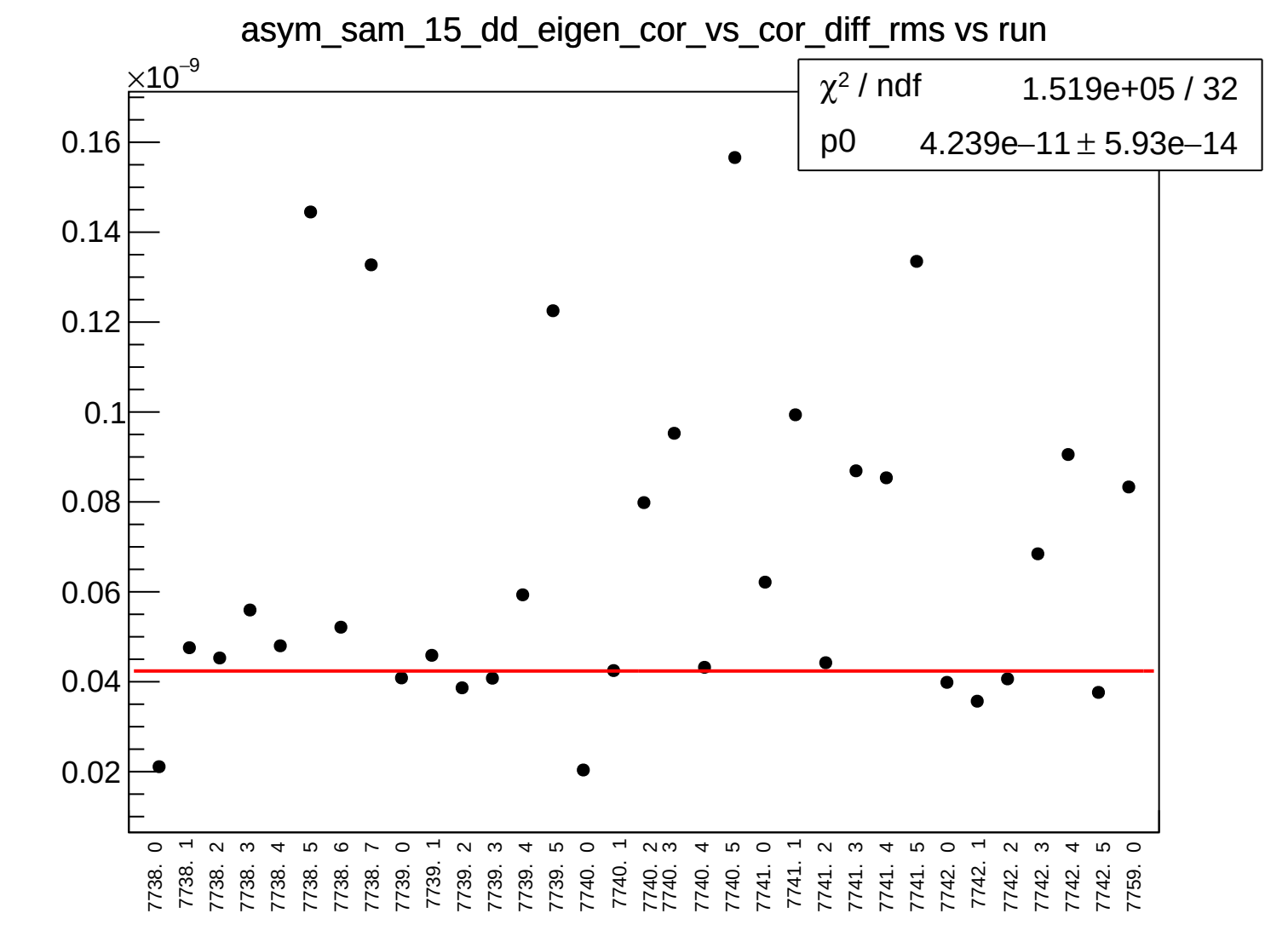

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.08 / 32
p0 0.1586 ± 0.119
pull
Entries 33
Mean −9.381
Std Dev 0

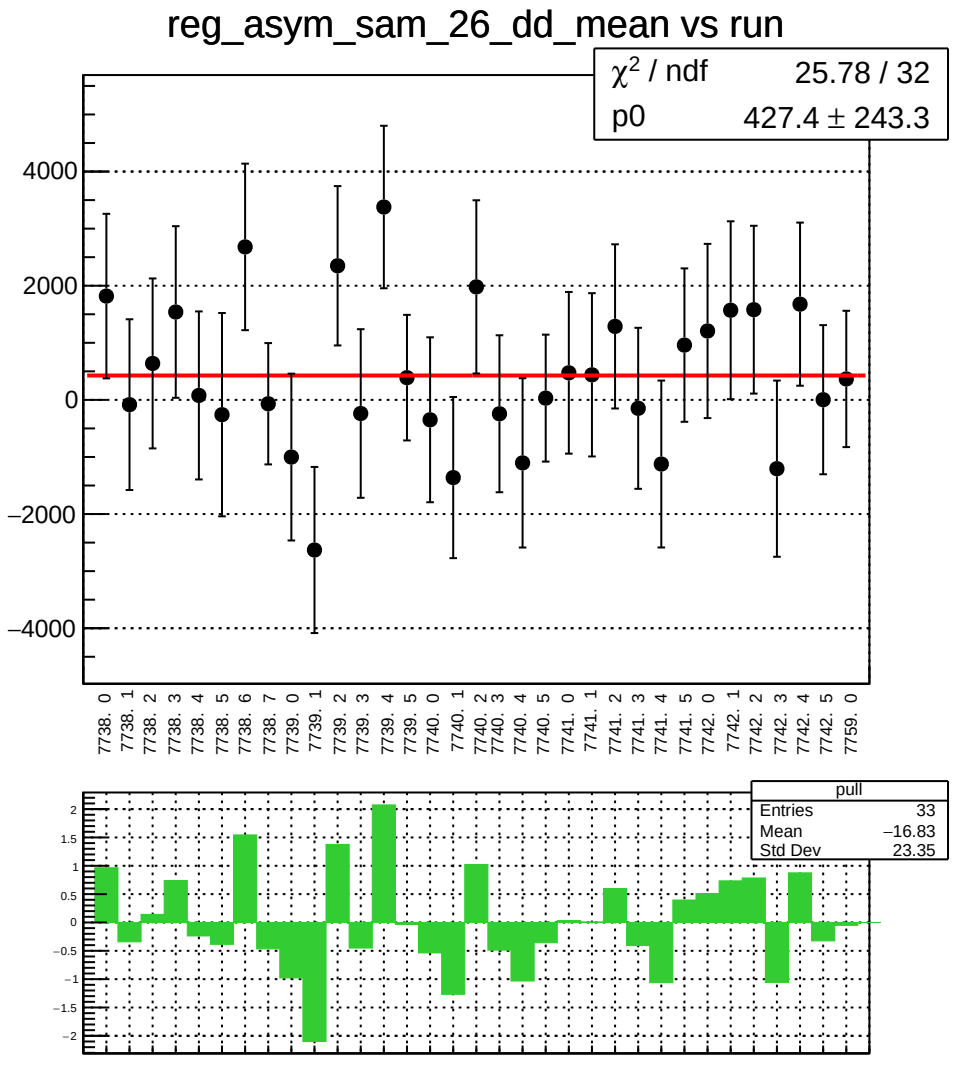

pull1D
Entries 33
Mean −0.05264
Std Dev 0.9209

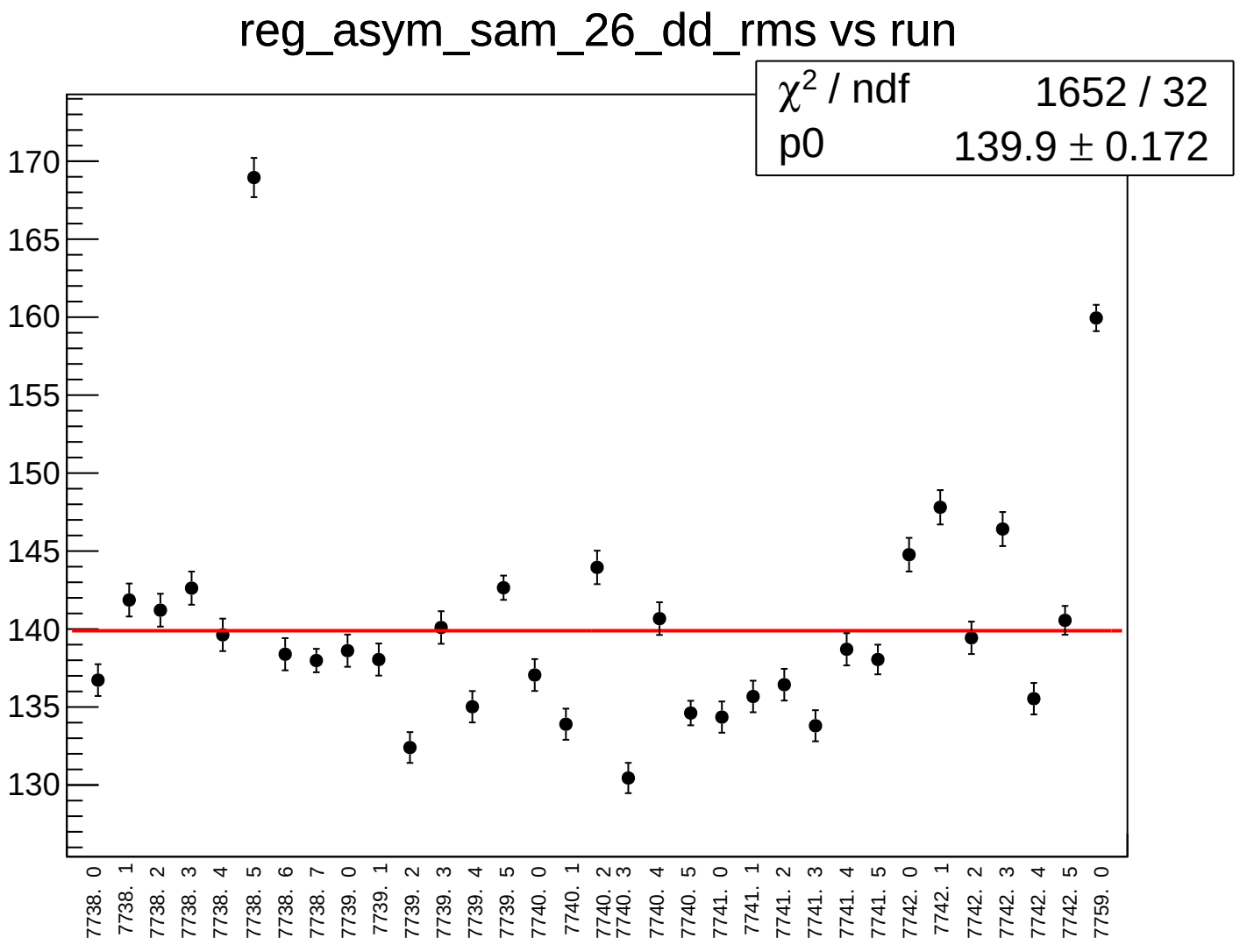

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8224 / 32
p0 68.05 ± 0.08411
75
70
65
60
55
50
45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

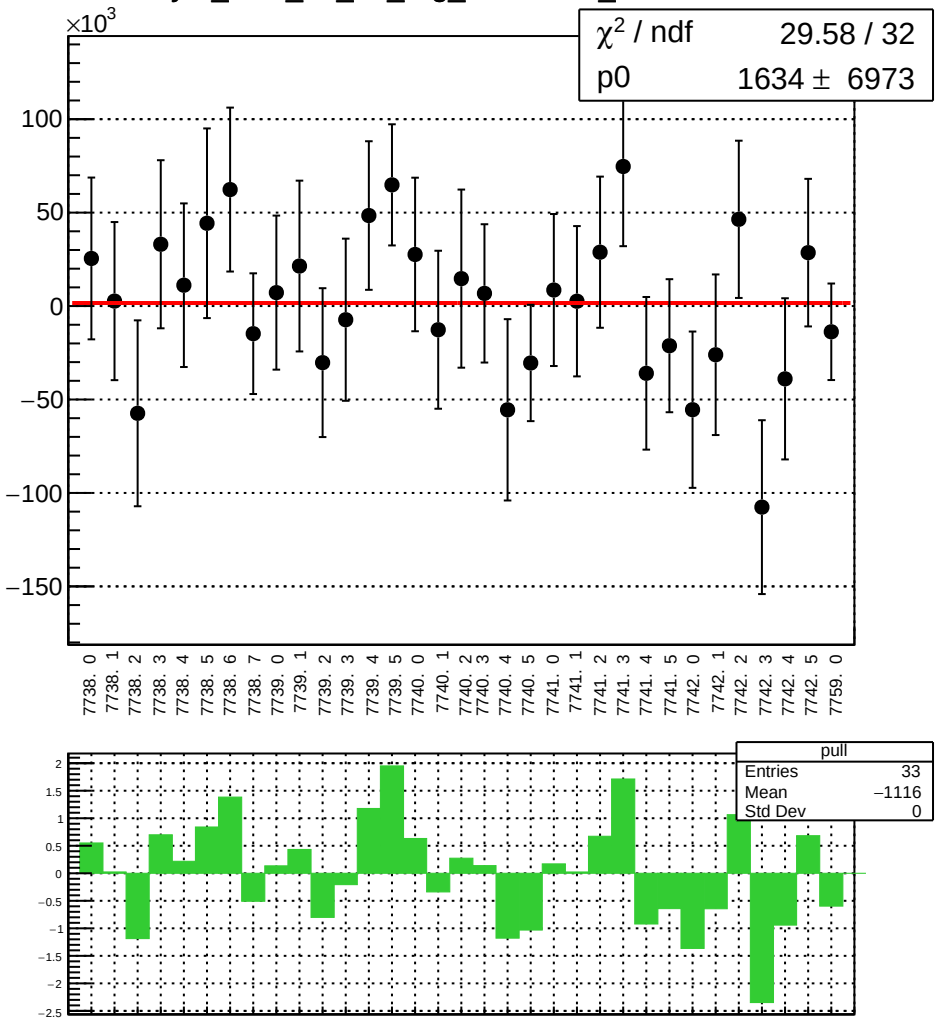

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.13 / 32
p0 −3.972e−15 ± 8.387e−14
3
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 100.8
Std Dev 0
2
1
0
−1
−2

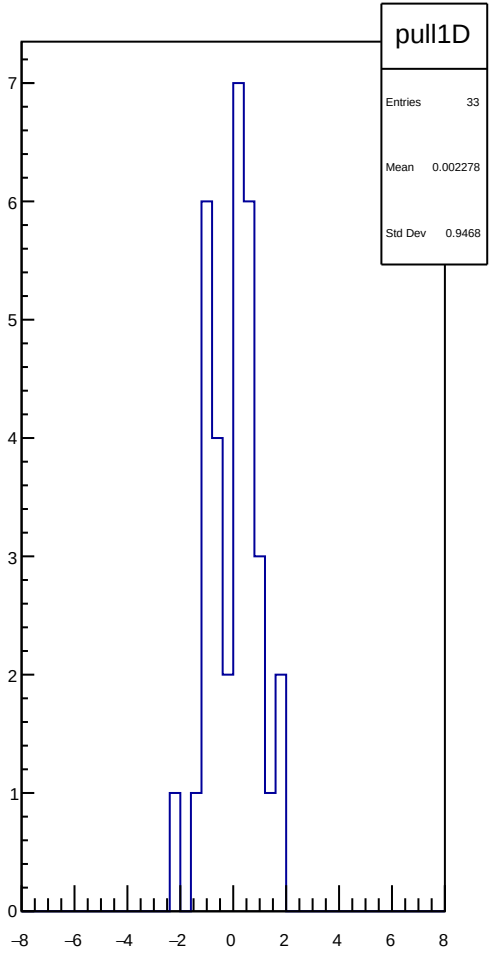

pull1D
Entries 33
Mean 0.04507
Std Dev 0.9857
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

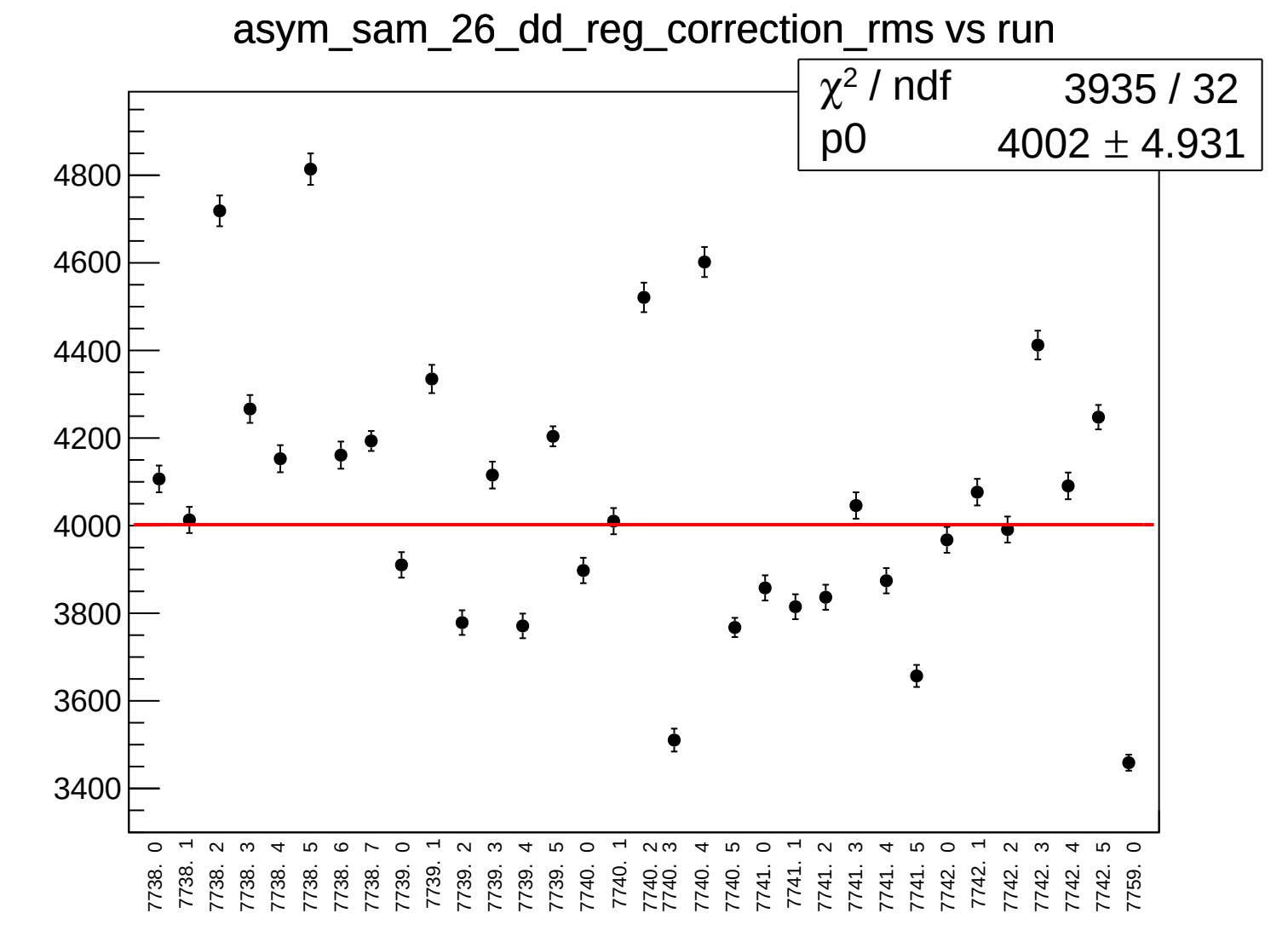

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.519e+05 / 32
p0 4.239e−11 ± 5.93e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

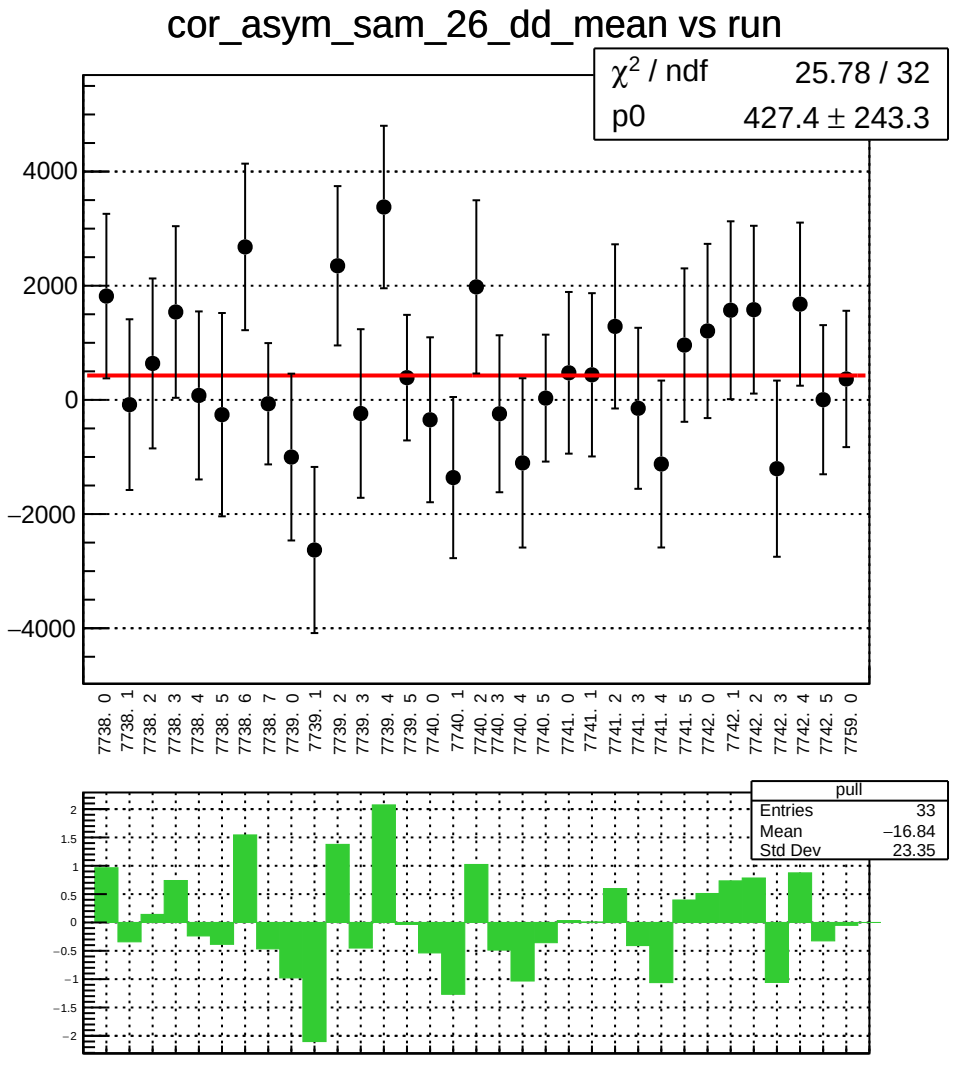

reg_asym_sam_26_dd_mean vs run
χ² / ndf 25.78 / 32
p0 427.4 ± 243.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.83
Std Dev 23.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.006943
Std Dev 0.8838
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

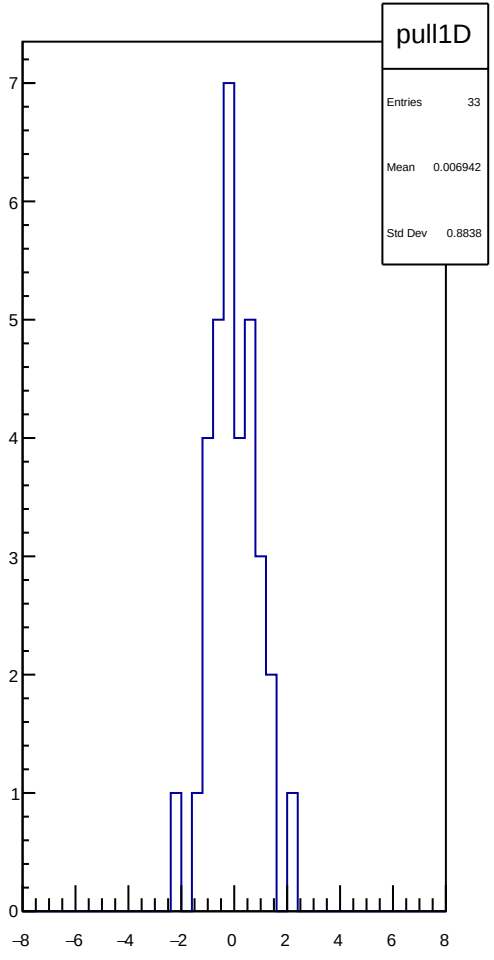

reg_asym_sam_26_dd_rms vs run
χ² / ndf 1652 / 32
p0 139.9 ± 0.172
170
165
160
155
150
145
140
135
130
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

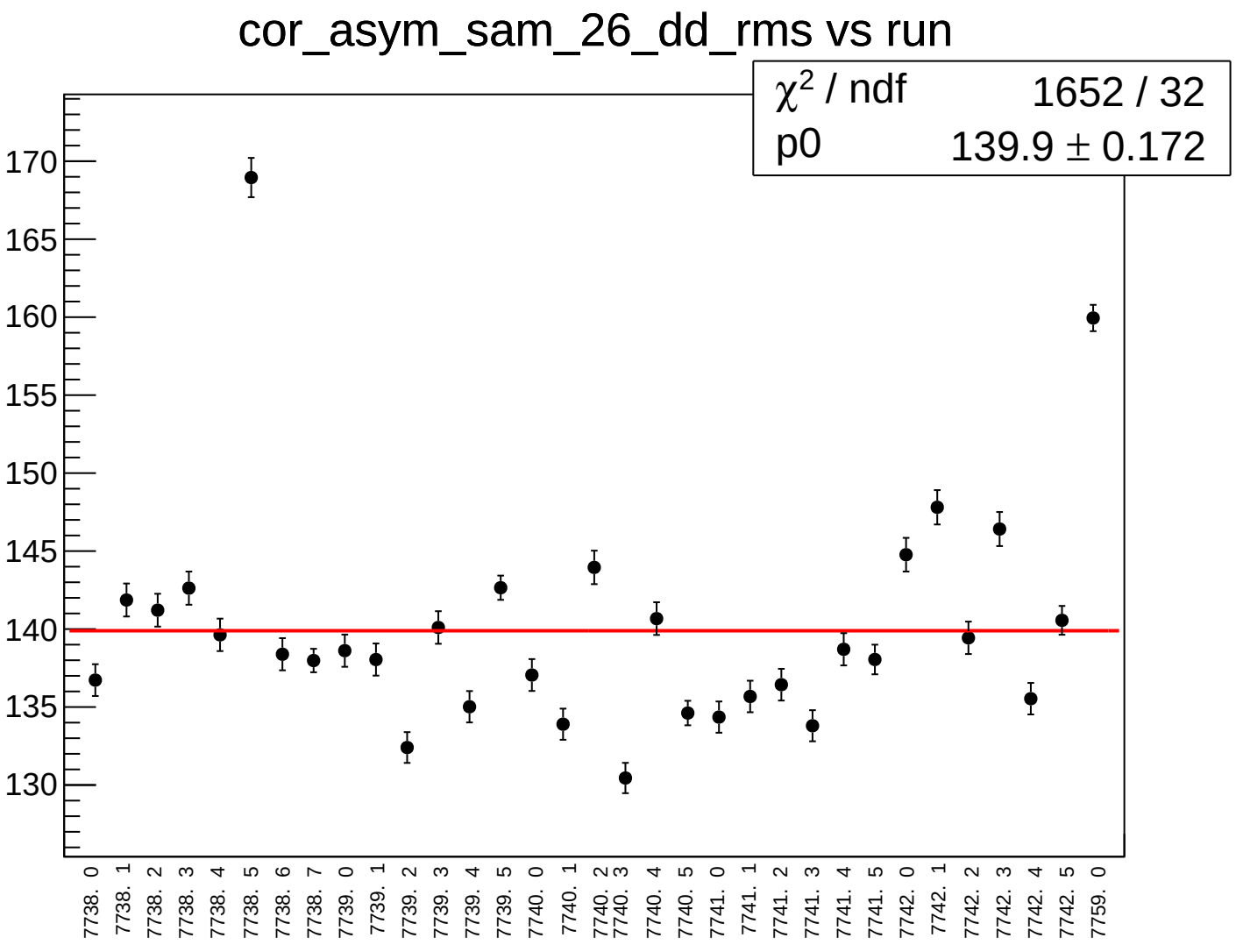

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 29.58 / 32
p0 1634 ± 6973
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1116
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

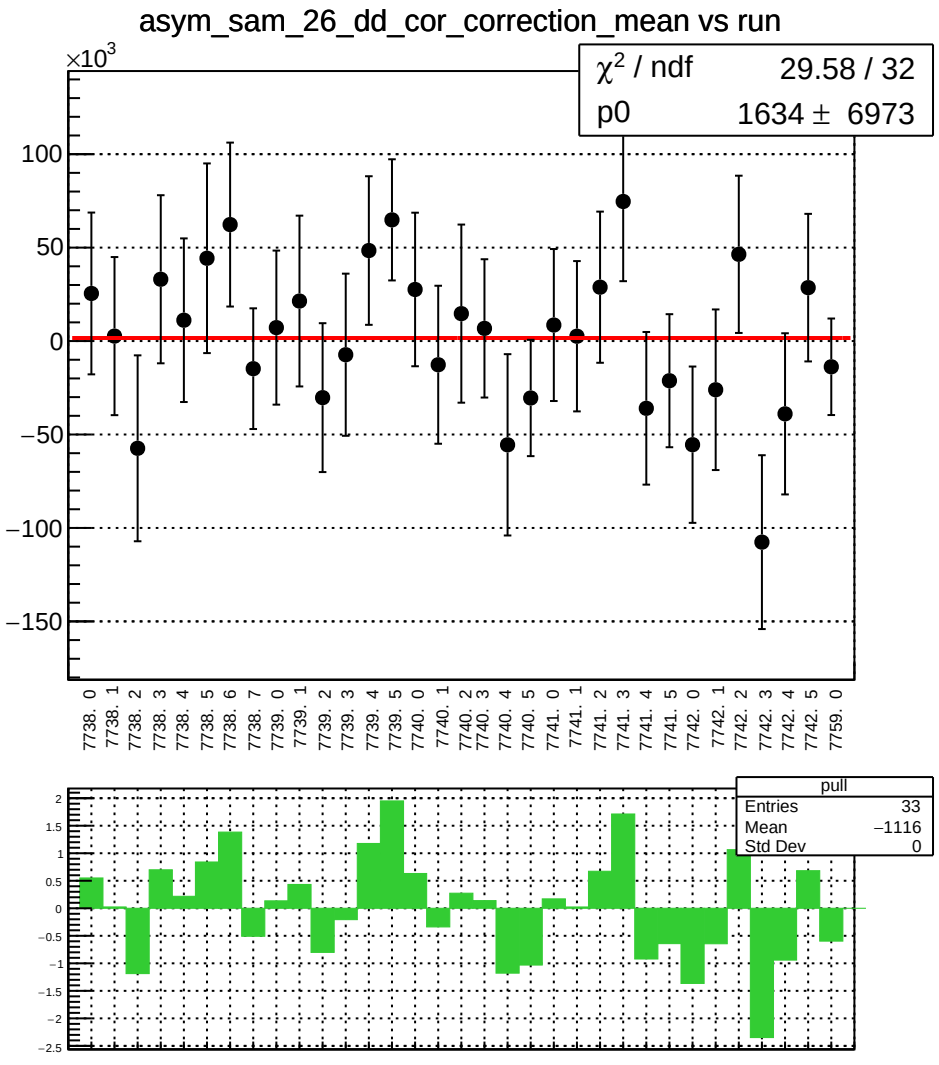

pull1D
Entries 33
Mean 0.002278
Std Dev 0.9468
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

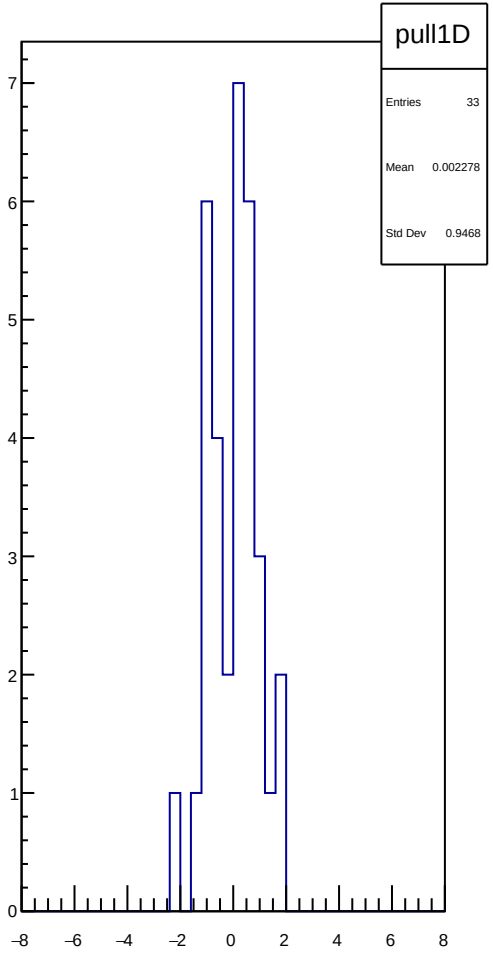

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 3935 / 32
p0 4002 ± 4.931
4800
4600
4400
4200
4000
3800
3600
3400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

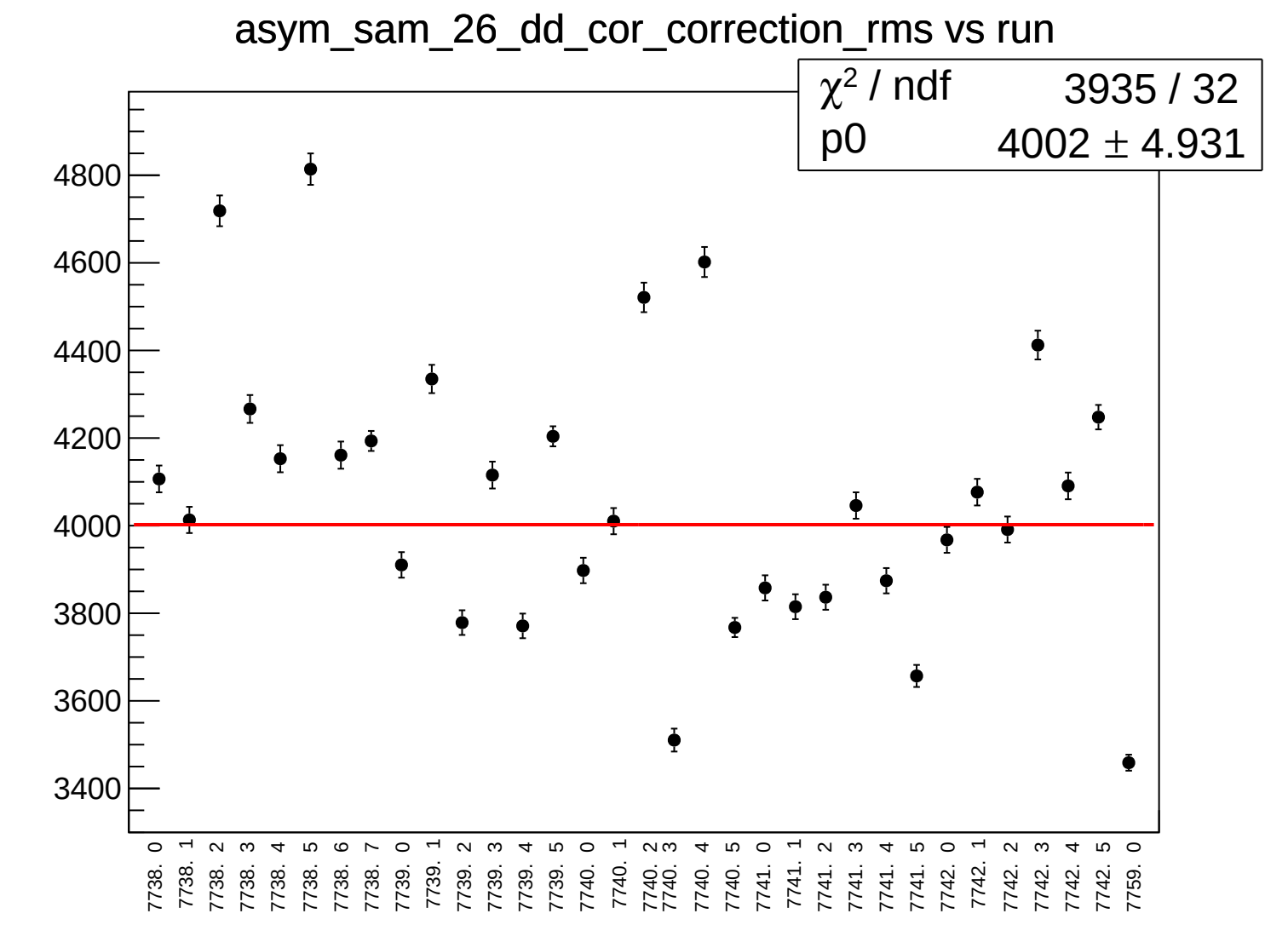

cor_asym_sam_26_dd_mean vs run
χ² / ndf 25.78 / 32
p0 427.4 ± 243.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.84
Std Dev 23.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

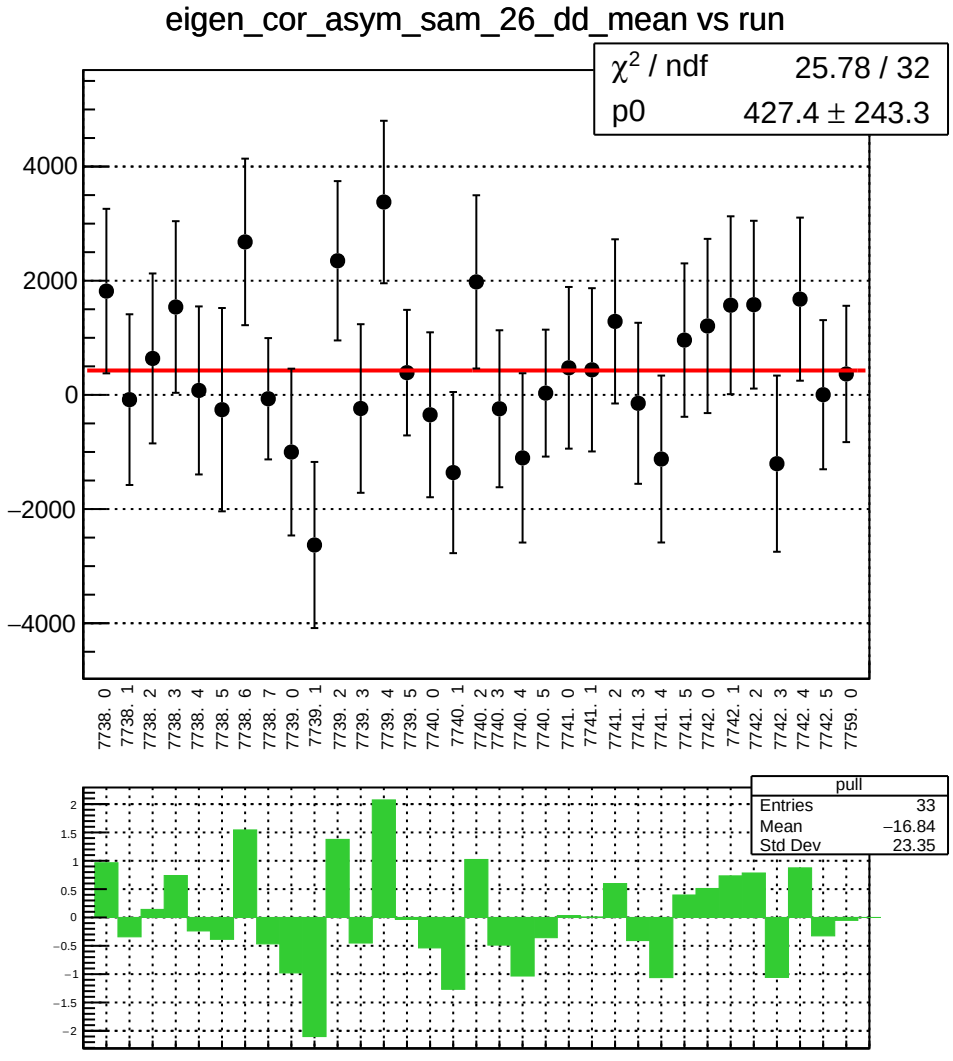

pull1D
Entries 33
Mean 0.006942
Std Dev 0.8838
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

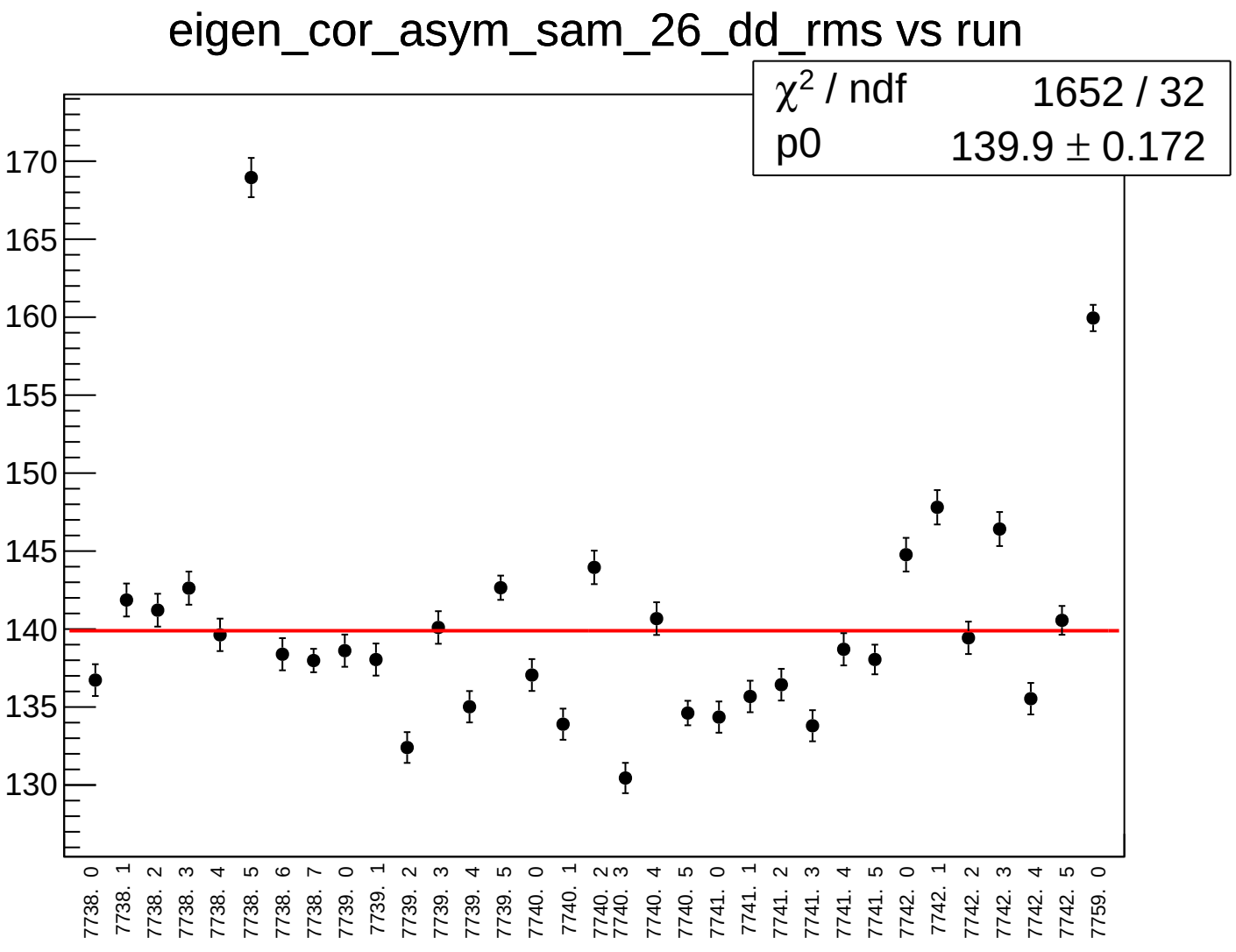

cor_asym_sam_26_dd_rms vs run
χ² / ndf 1652 / 32
p0 139.9 ± 0.172
170
165
160
155
150
145
140
135
130
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

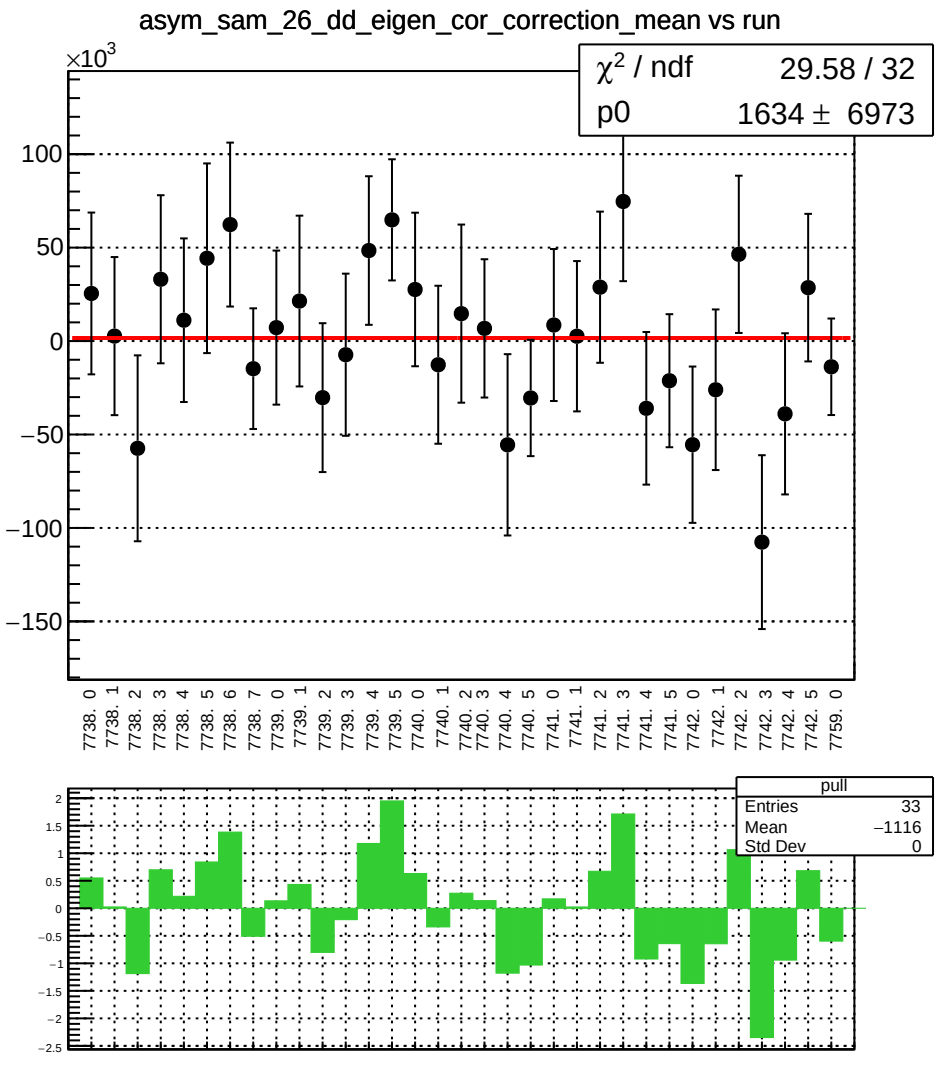

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 29.58 / 32
p0 1634 ± 6973
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1116
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

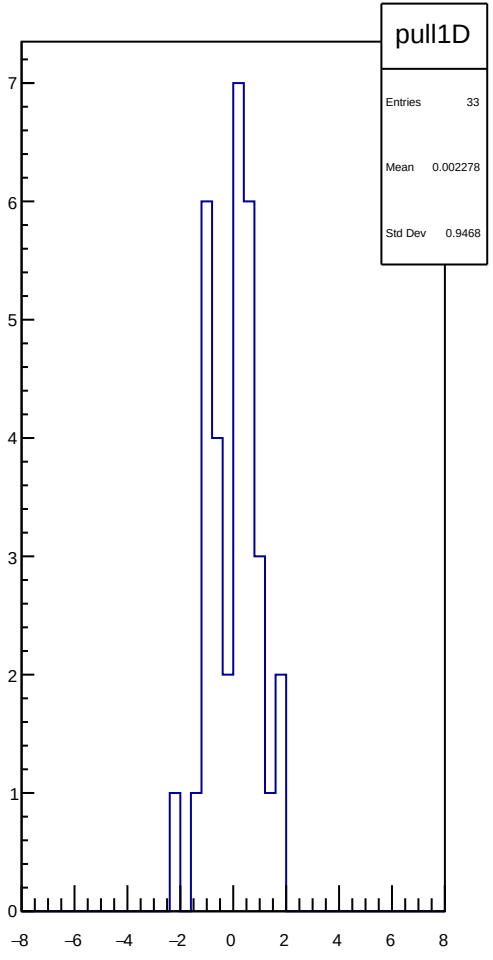

pull1D
Entries 33
Mean 0.002278
Std Dev 0.9468
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

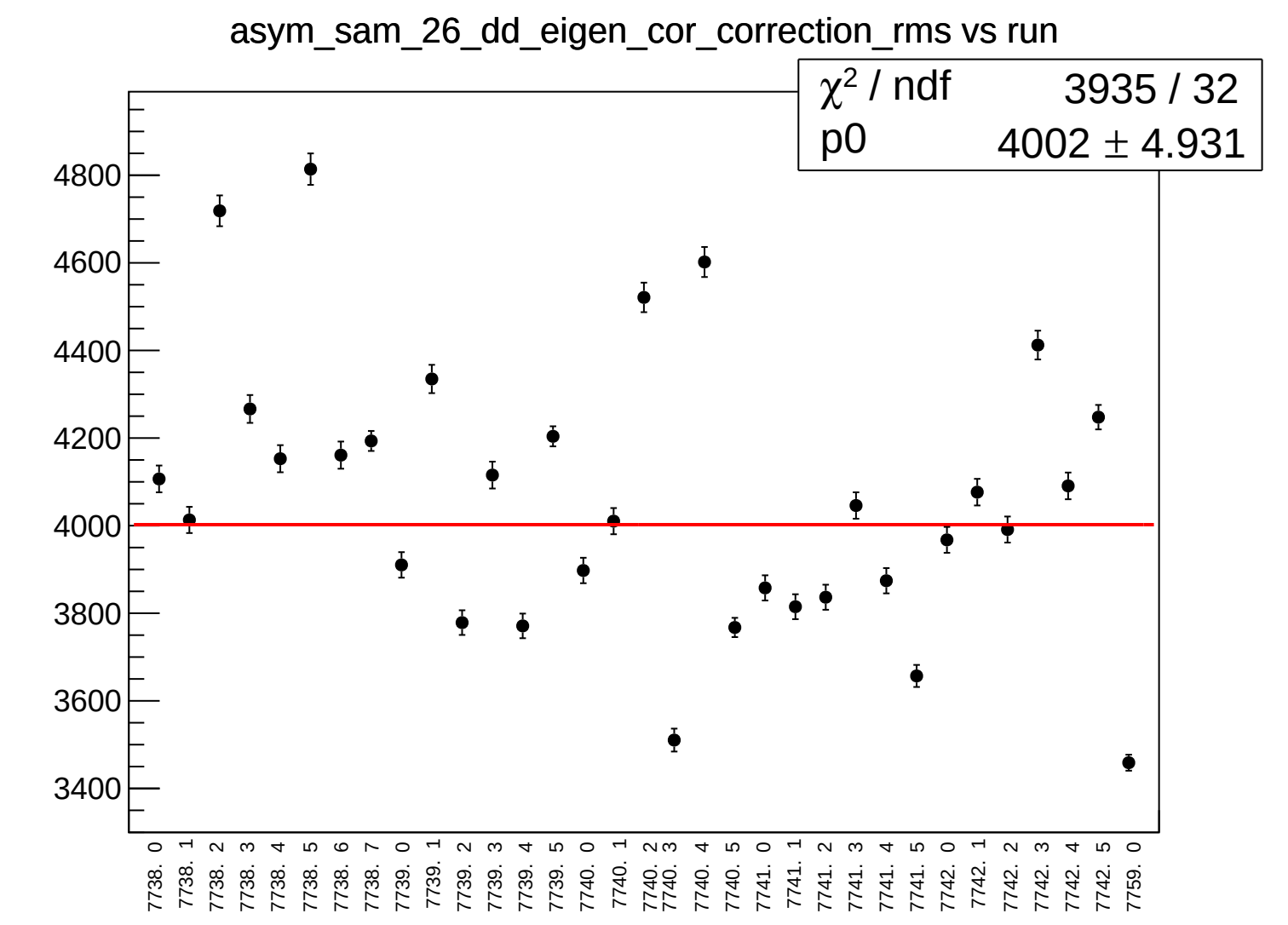

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 3935 / 32
p0 4002 ± 4.931
4800
4600
4400
4200
4000
3800
3600
3400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

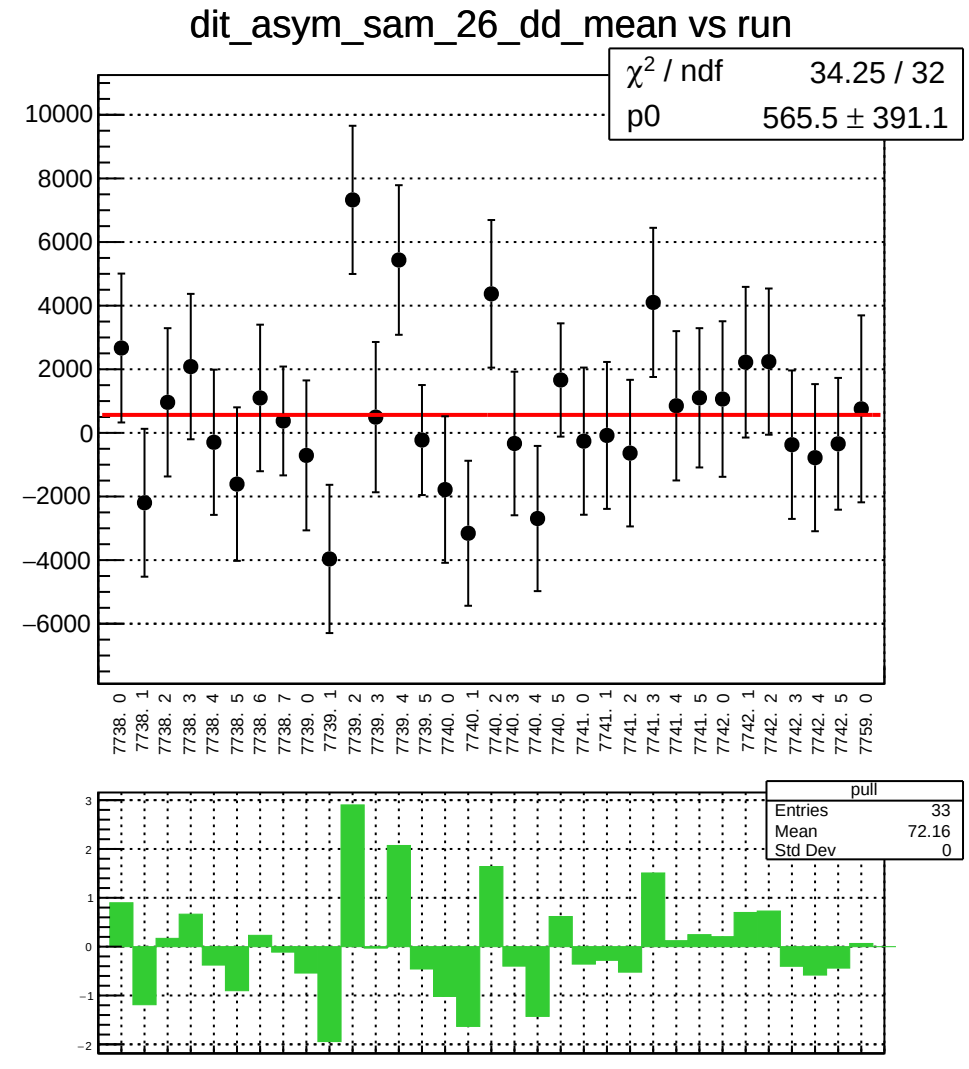

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 25.78 / 32
p0 427.4 ± 243.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.84
Std Dev 23.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.006942
Std Dev 0.8838
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

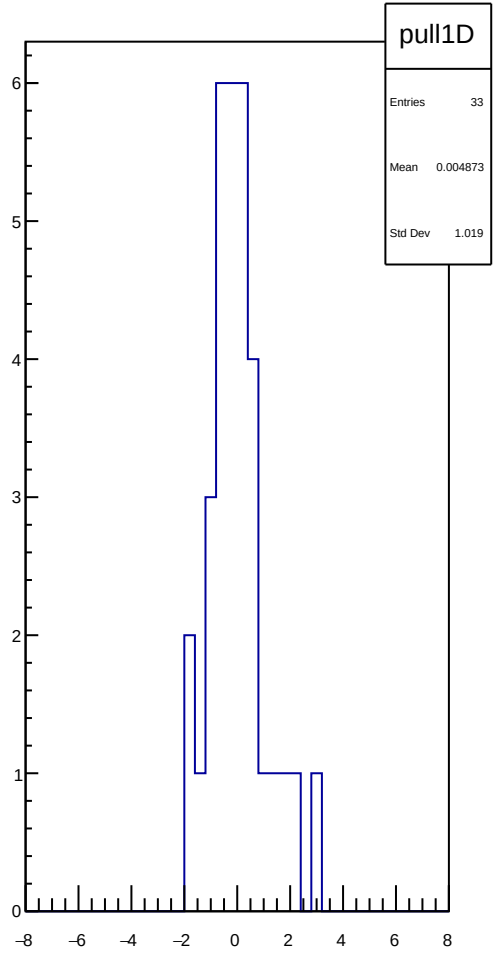

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 1652 / 32
p0 139.9 ± 0.172
170
165
160
155
150
145
140
135
130
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

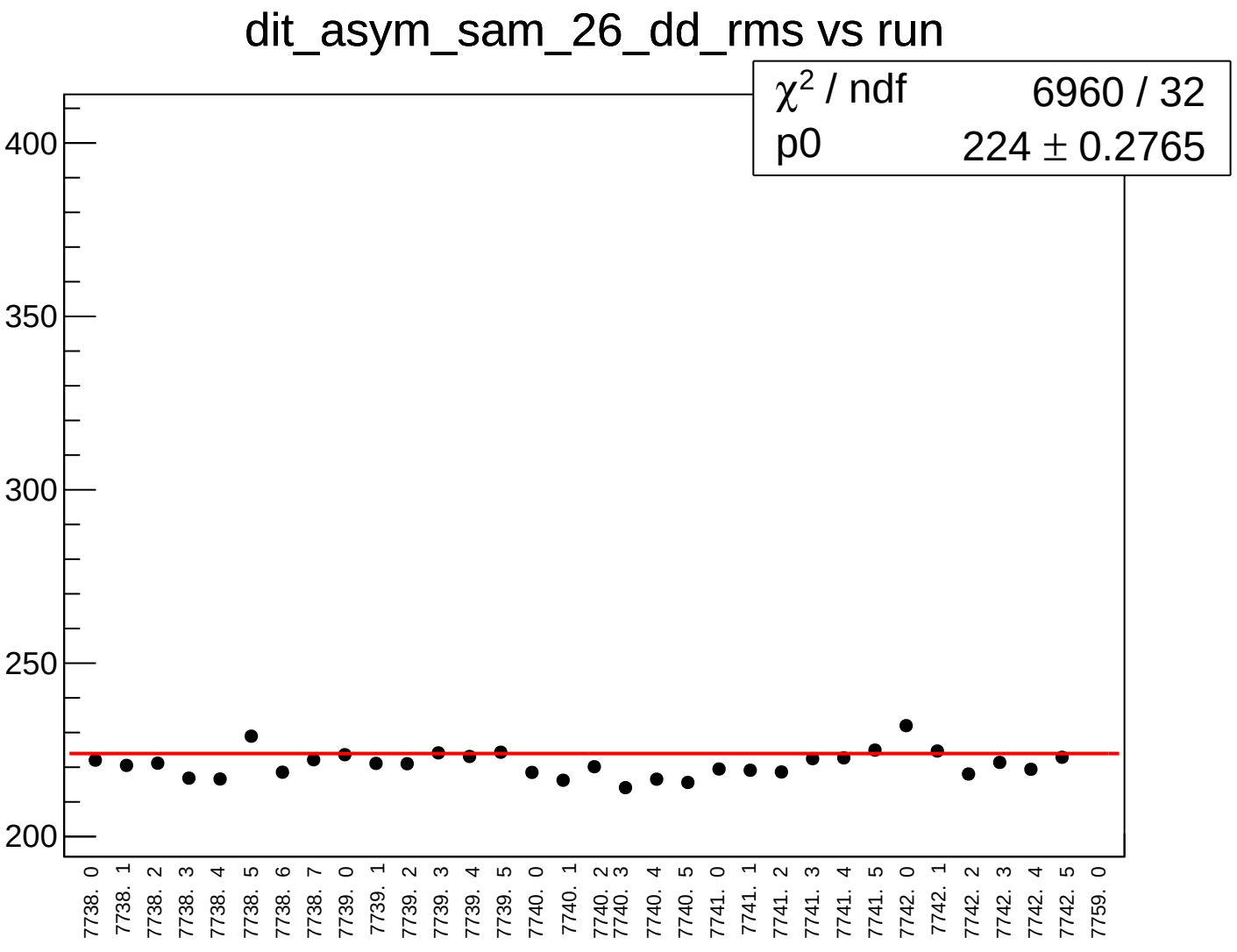

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 29.58 / 32
p0 1634 ± 6973
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1116
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

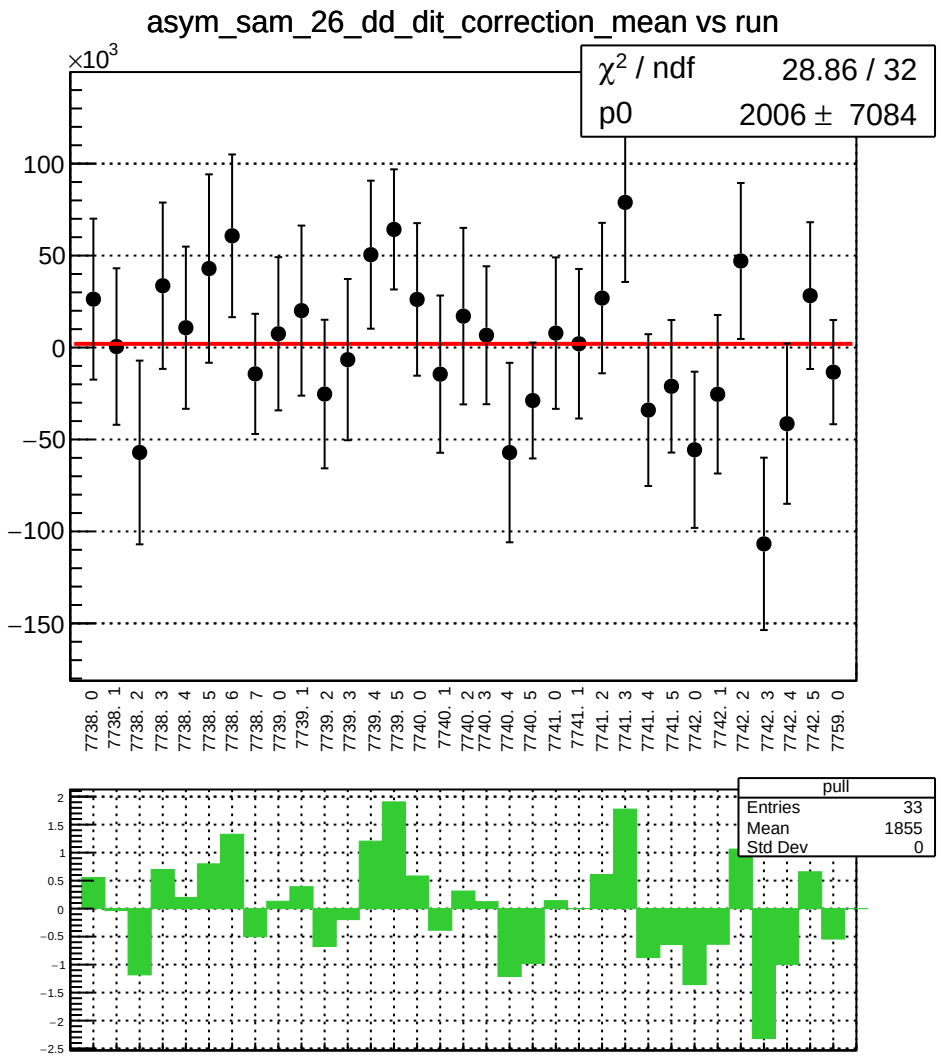

pull1D
Entries 33
Mean 0.002278
Std Dev 0.9468
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

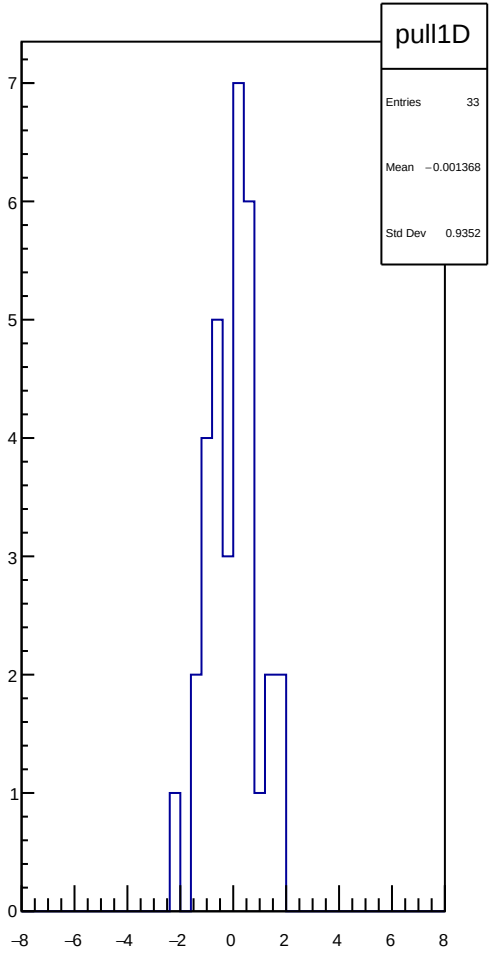

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3935 / 32
p0 4002 ± 4.931
4800
4600
4400
4200
4000
3800
3600
3400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

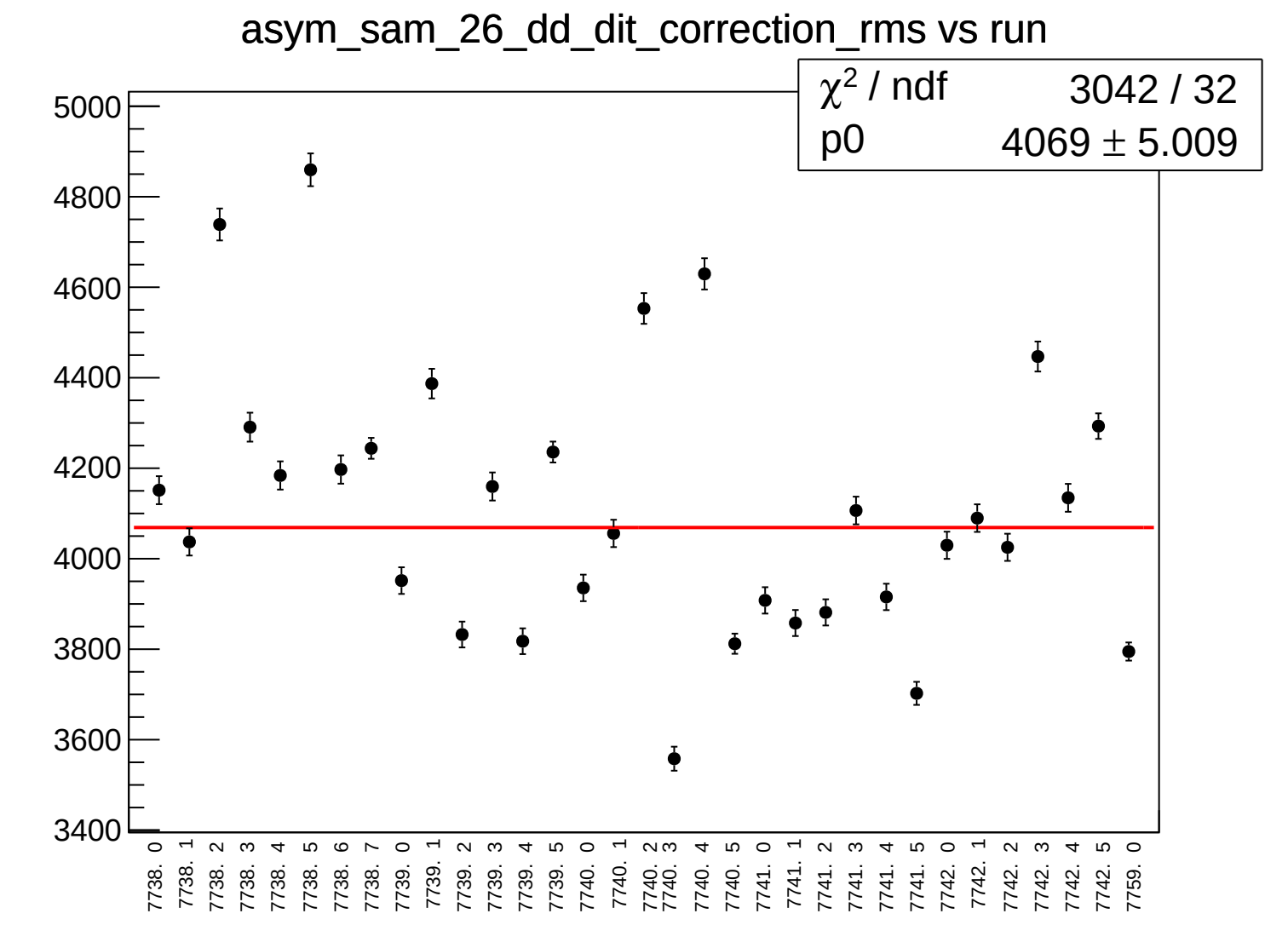

dit_asym_sam_26_dd_mean vs run
χ² / ndf 34.25 / 32
p0 565.5 ± 391.1
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 72.16
Std Dev 0
3
2
1
0
−1
−2

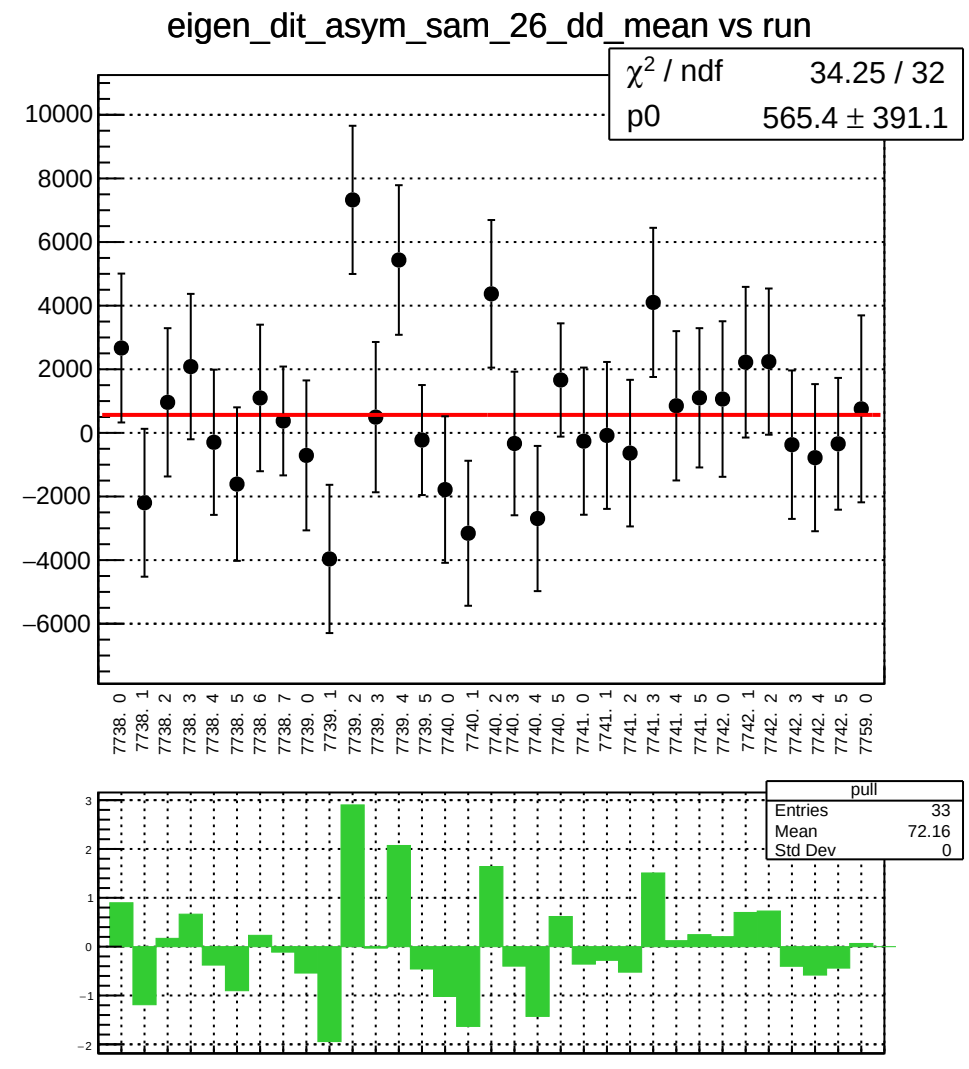

pull1D
Entries 33
Mean 0.004873
Std Dev 1.019
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

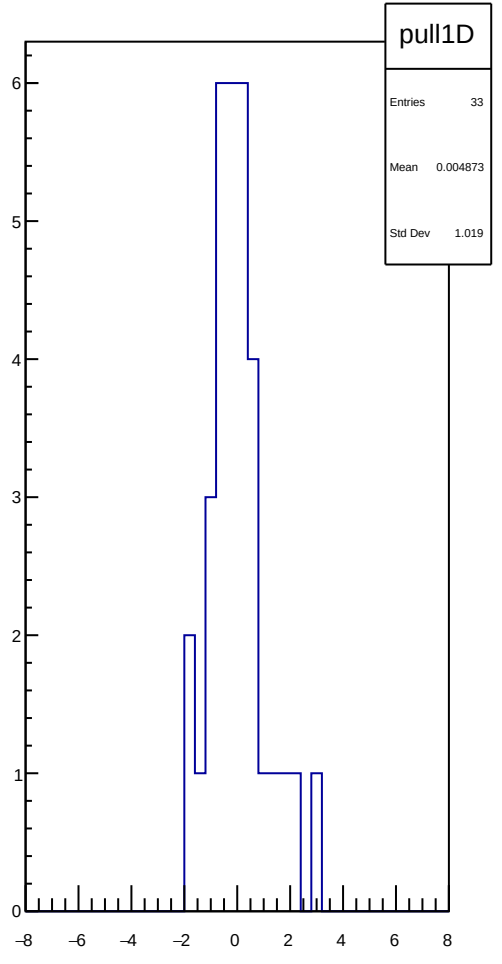

dit_asym_sam_26_dd_rms vs run
χ² / ndf 6960 / 32
p0 224 ± 0.2765
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

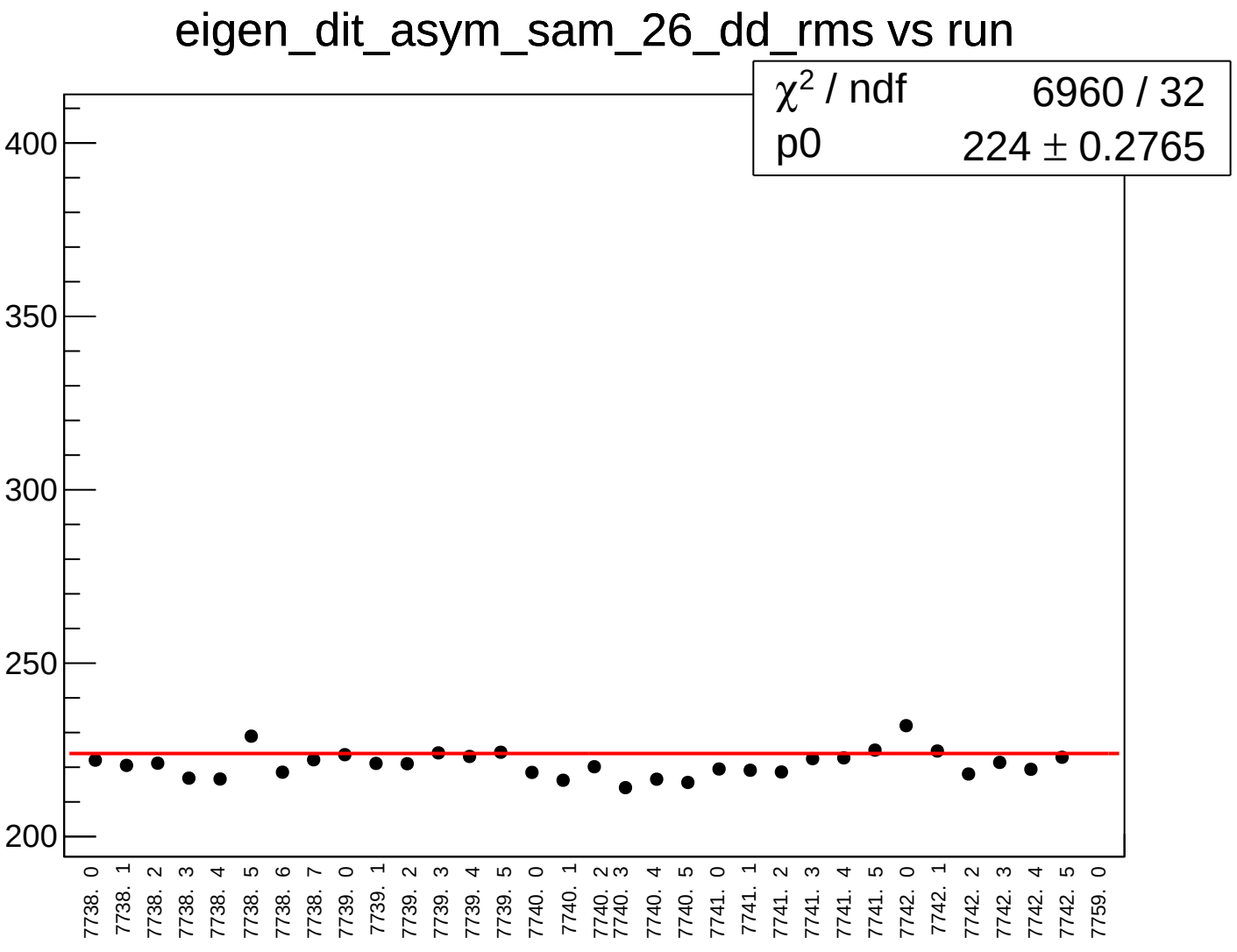

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.86 / 32
p0 2006 ± 7084
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1855
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

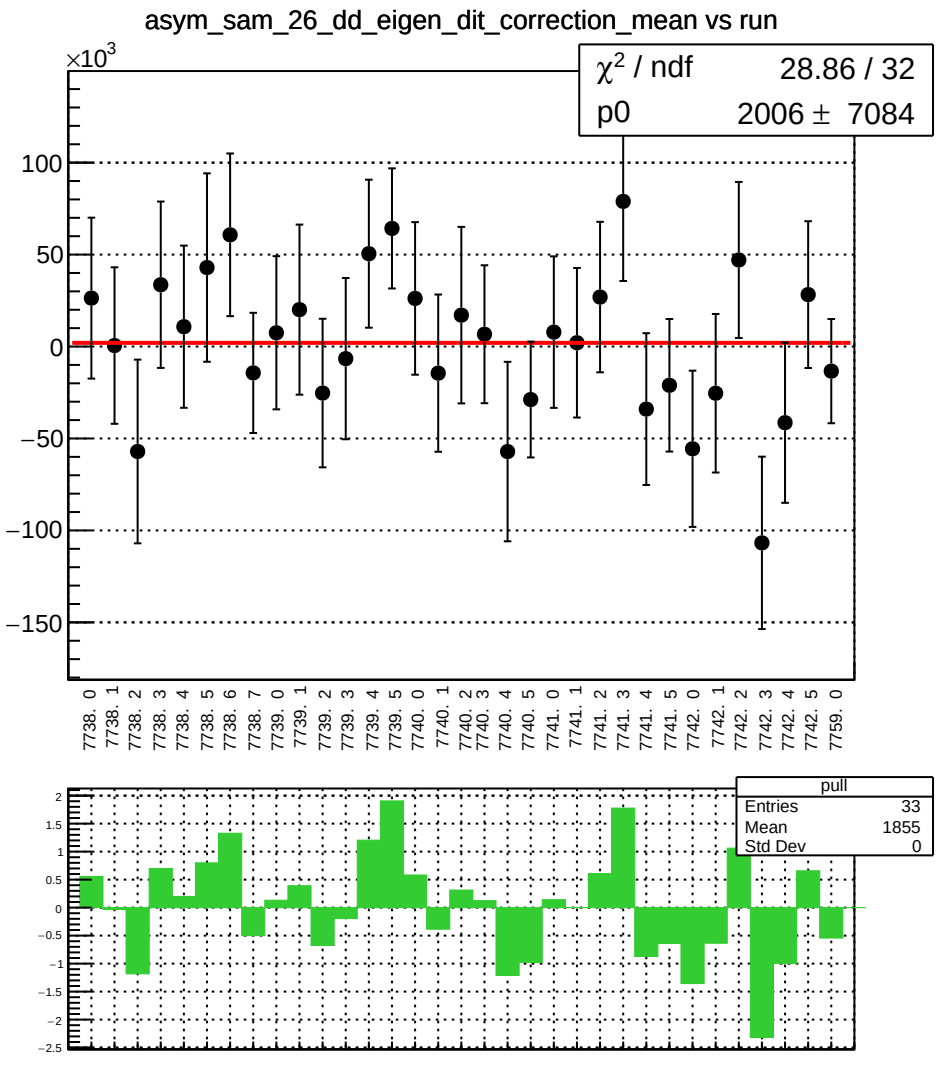

pull1D
Entries 33
Mean −0.001368
Std Dev 0.9352
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

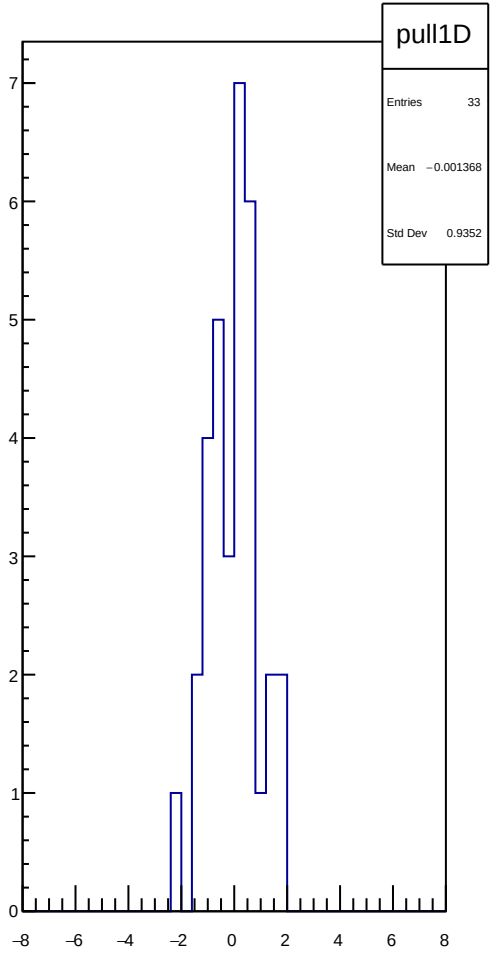

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 3042 / 32
p0 4069 ± 5.009
5000
4800
4600
4400
4200
4000
3800
3600
3400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

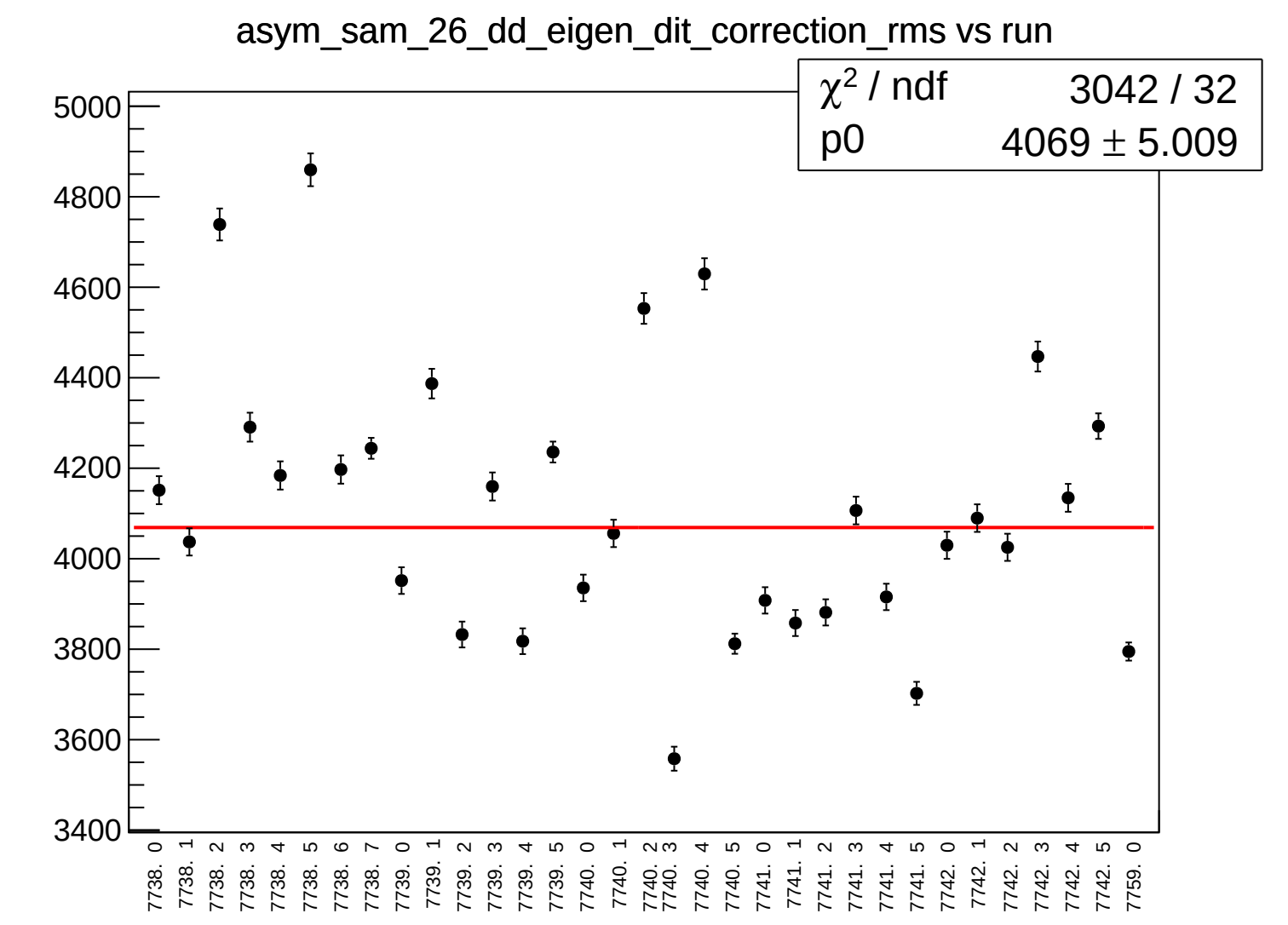

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 34.25 / 32
p0 565.4 ± 391.1
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 72.16
Std Dev 0
3
2
1
0
−1
−2

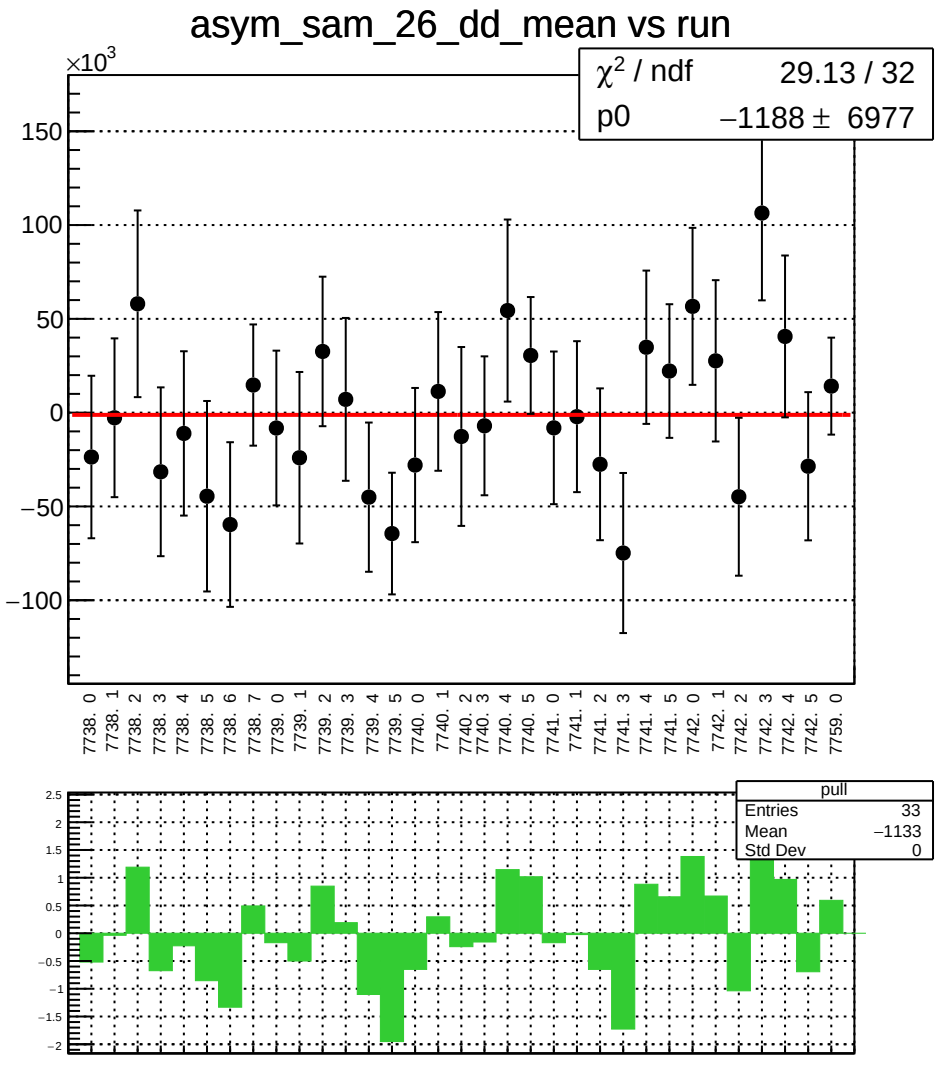

pull1D
Entries 33
Mean 0.004873
Std Dev 1.019
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

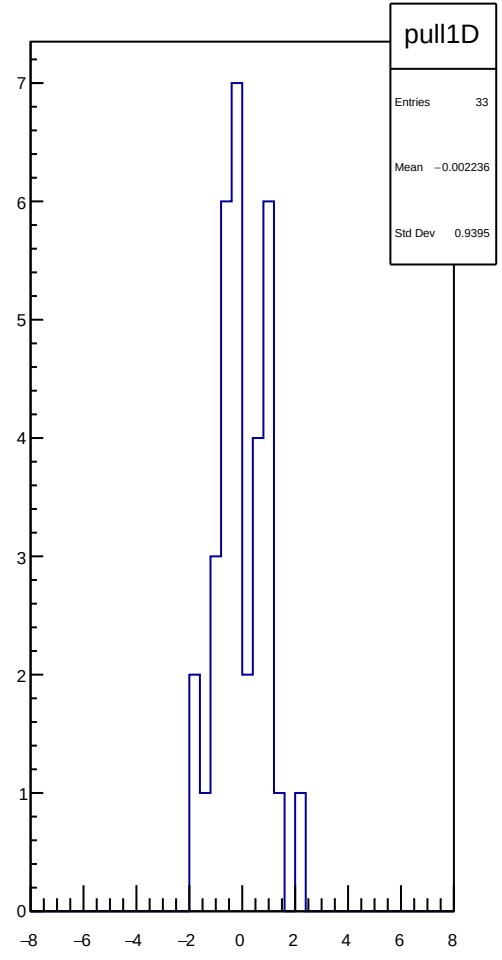

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 6960 / 32
p0 224 ± 0.2765
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

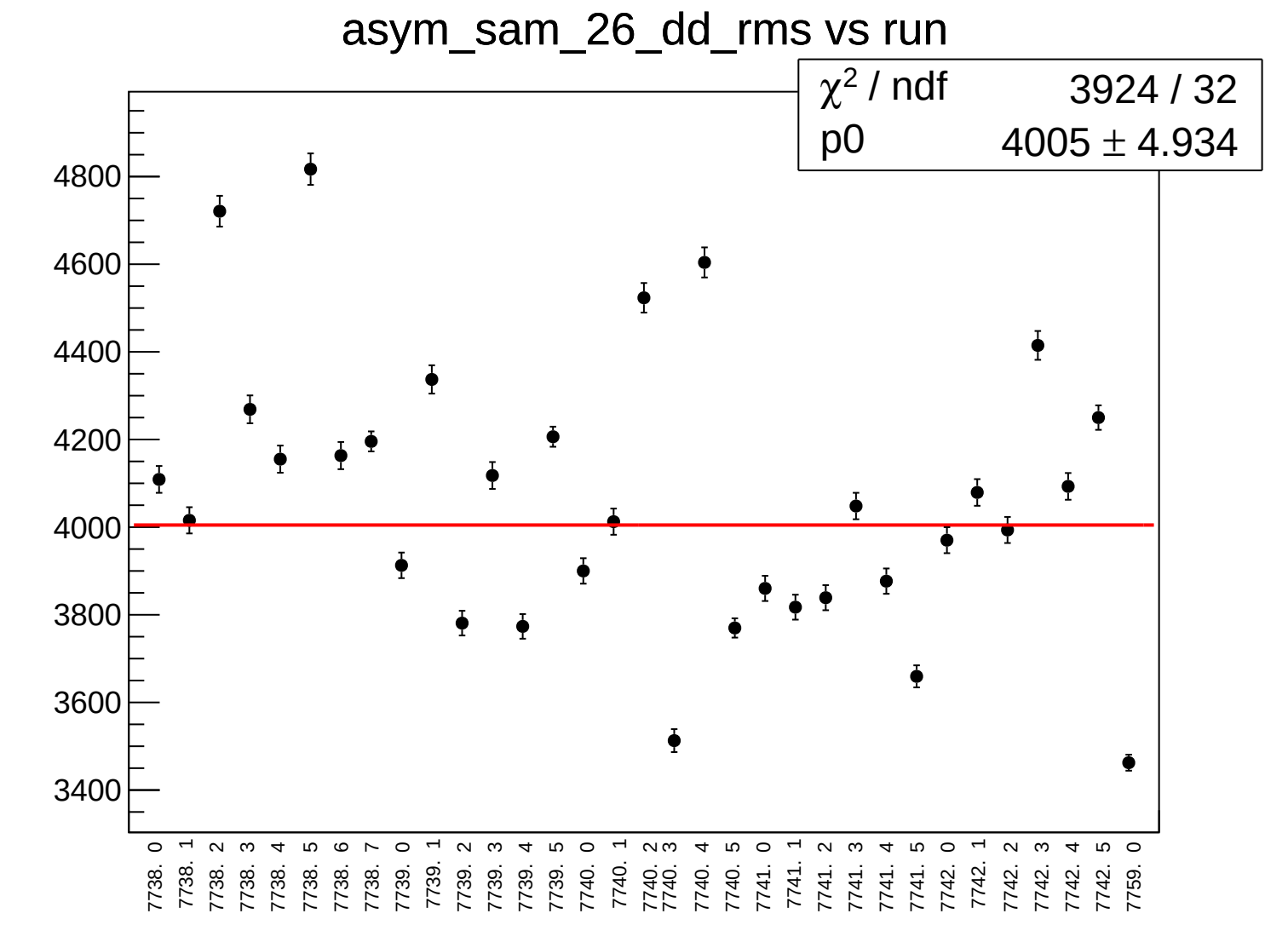

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.86 / 32
p0 2006 ± 7084
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1855
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

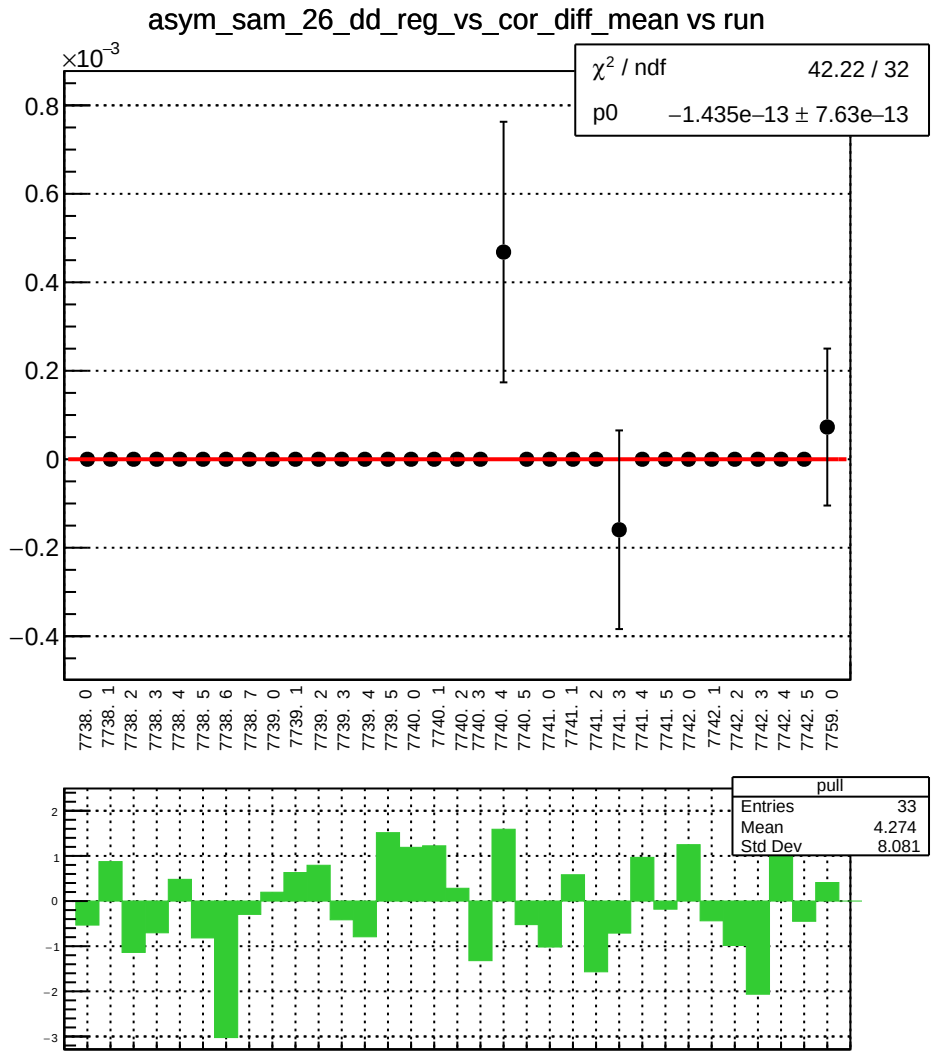

pull1D
Entries 33
Mean −0.001368
Std Dev 0.9352
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

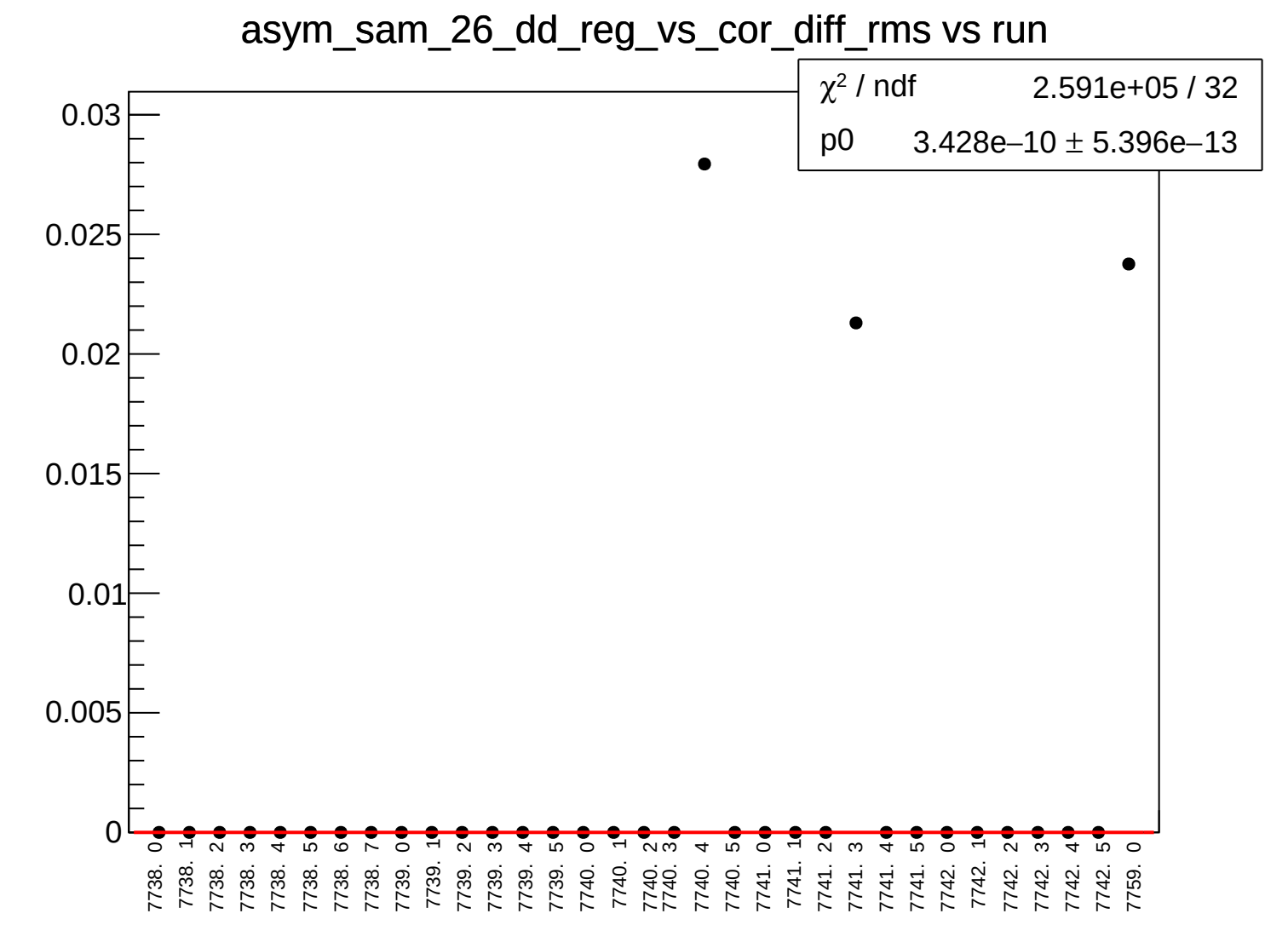

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3042 / 32
p0 4069 ± 5.009
5000
4800
4600
4400
4200
4000
3800
3600
3400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

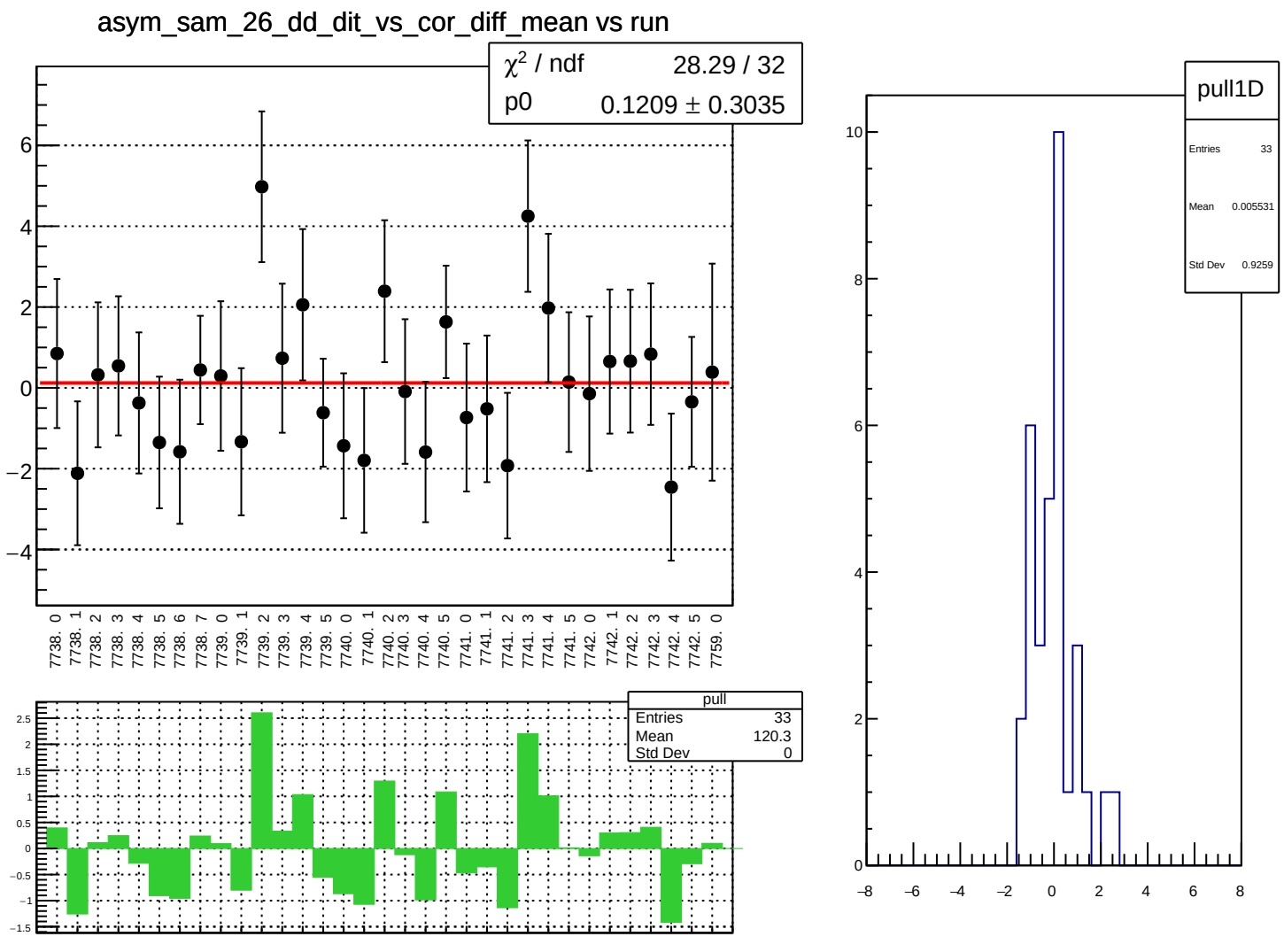

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 29.13 / 32
p0 −1188 ± 6977
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1133
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

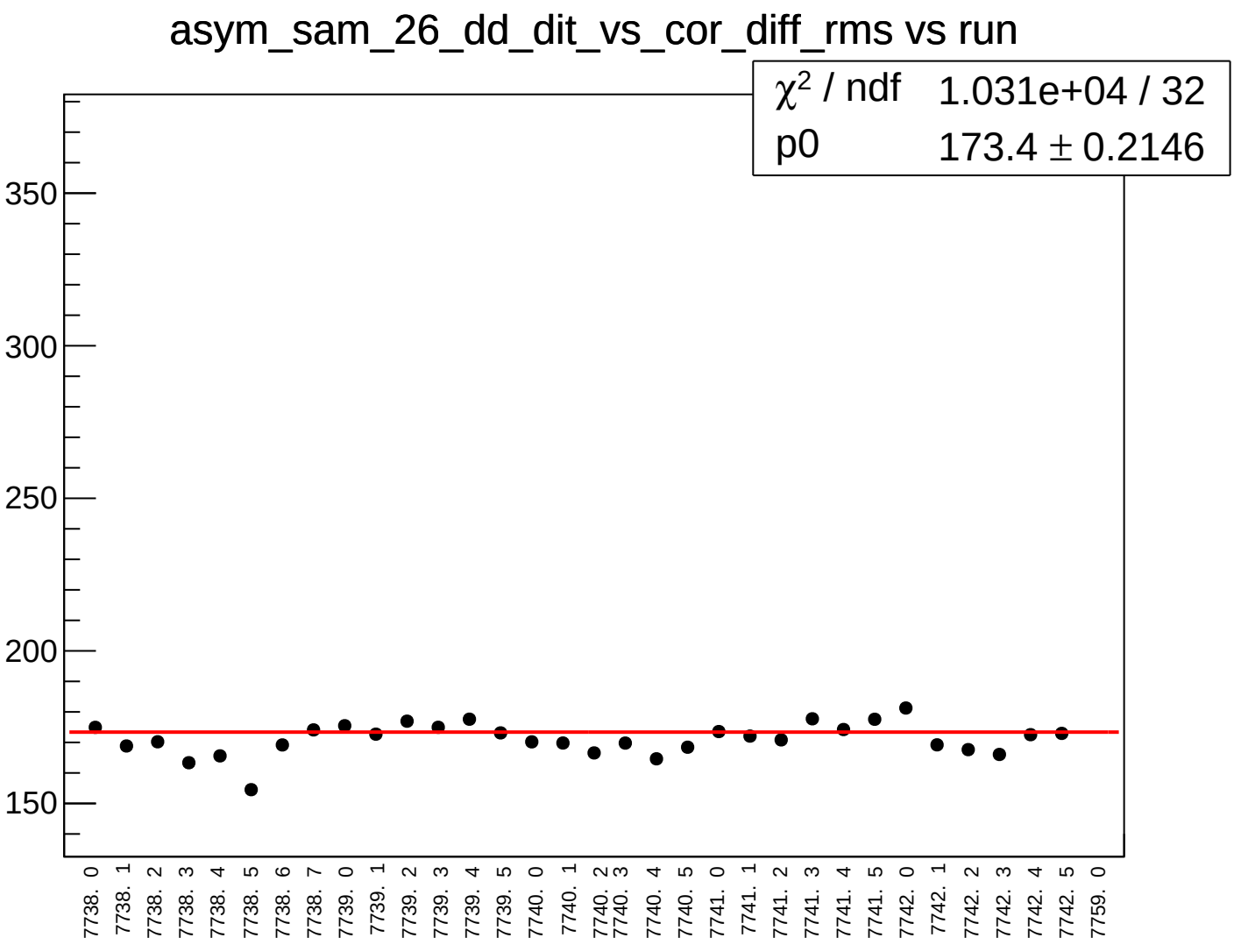

pull1D
Entries 33
Mean −0.002236
Std Dev 0.9395
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

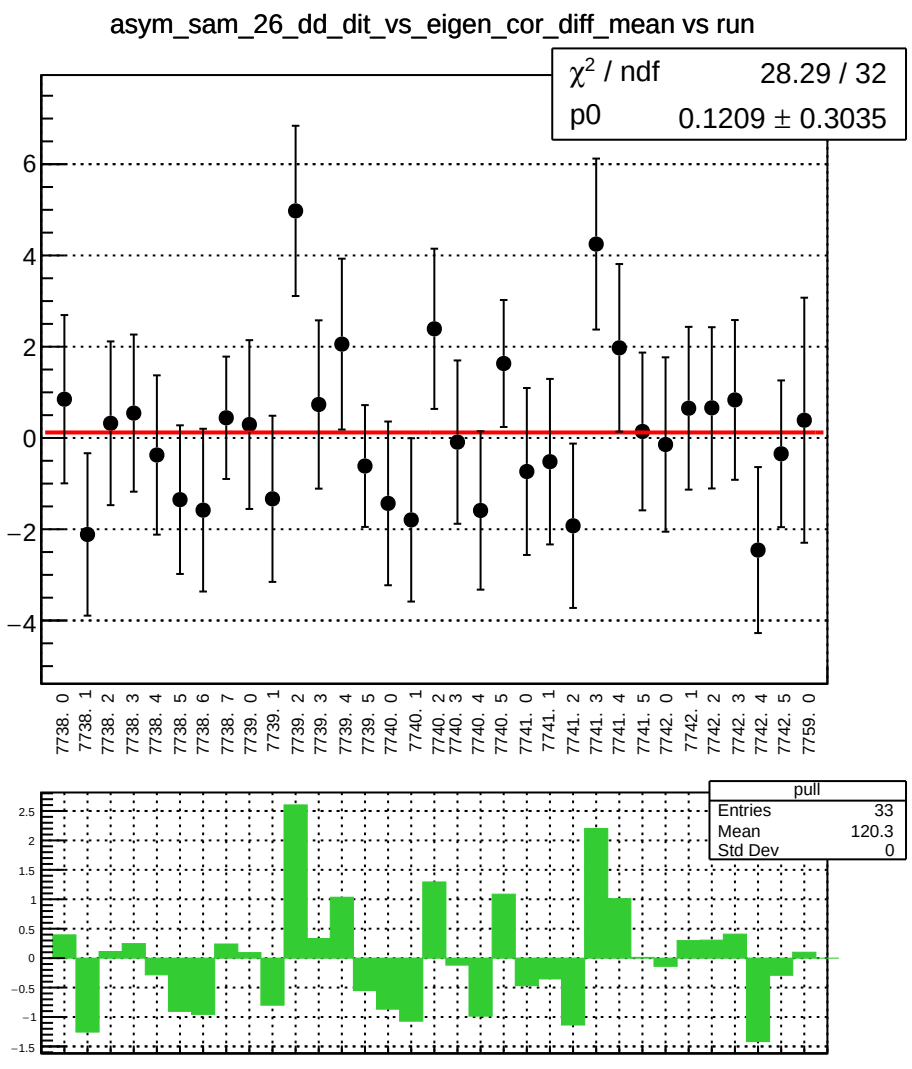

asym_sam_26_dd_rms vs run
χ² / ndf 3924 / 32
p0 4005 ± 4.934
4800
4600
4400
4200
4000
3800
3600
3400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

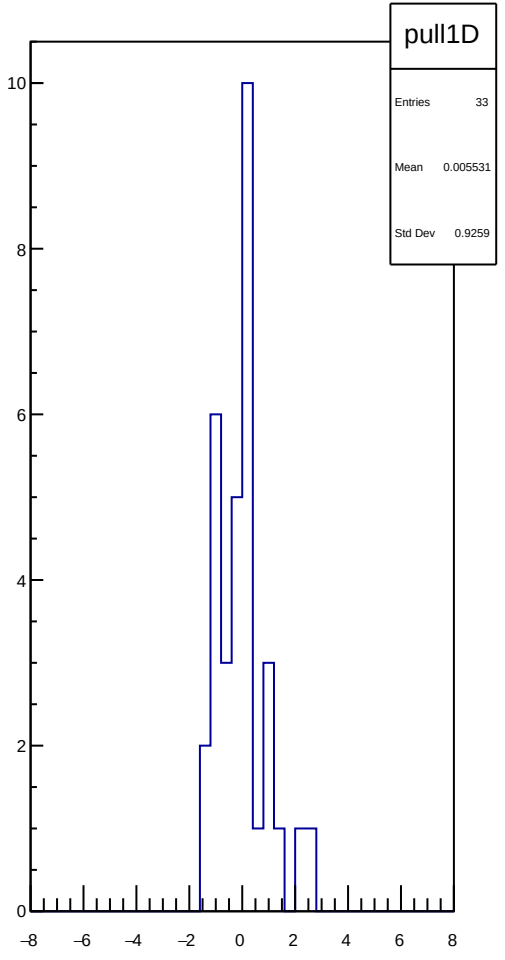

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 42.22 / 32
p0 −1.435e−13 ± 7.63e−13
0.8
0.6
0.4
0.2
0
−0.2
−0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.274
Std Dev 8.081
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.0837
Std Dev 1.128
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

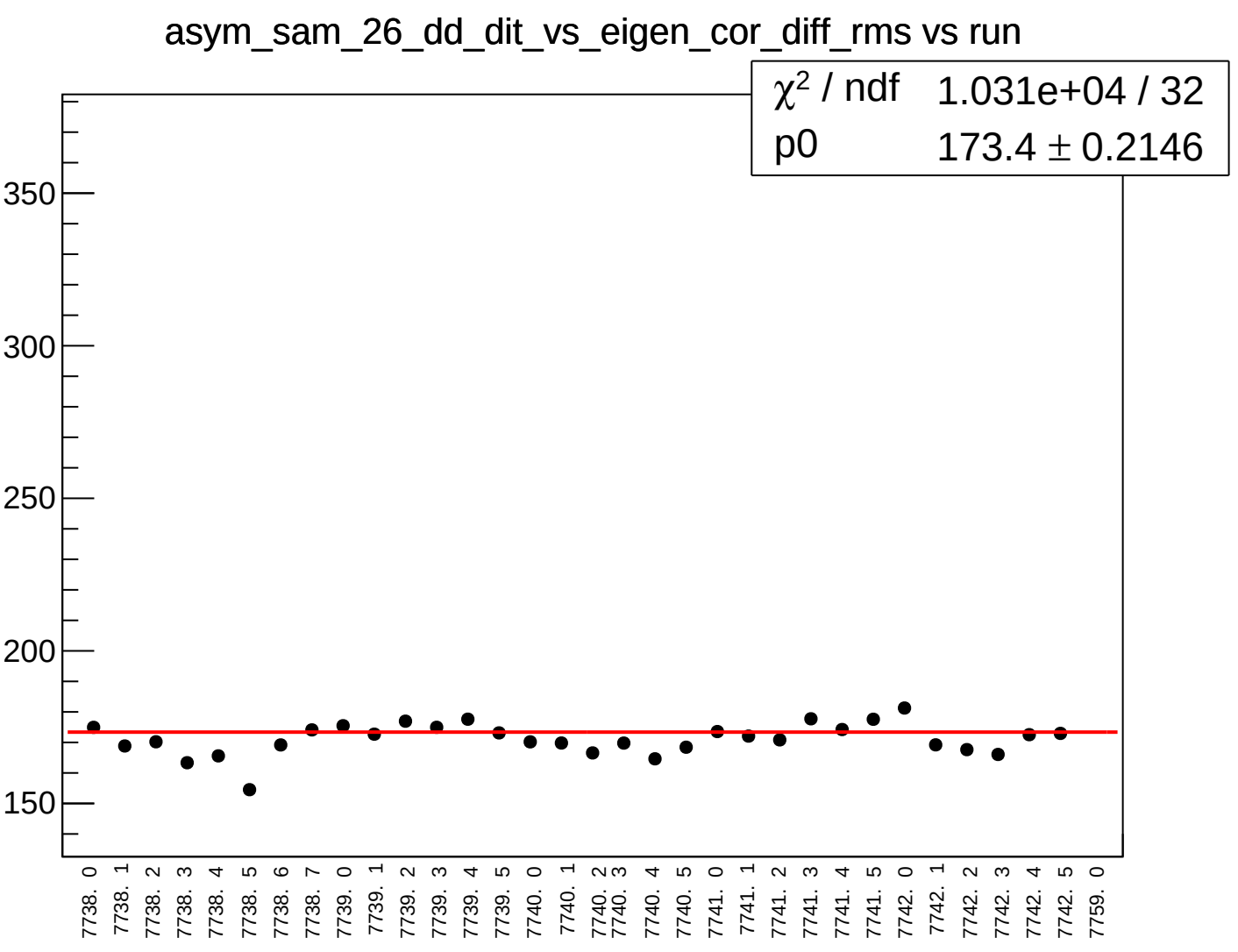

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.591e+05 / 32
p0 3.428e−10 ± 5.396e−13
0.03
0.025
0.02
0.015
0.01
0.005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

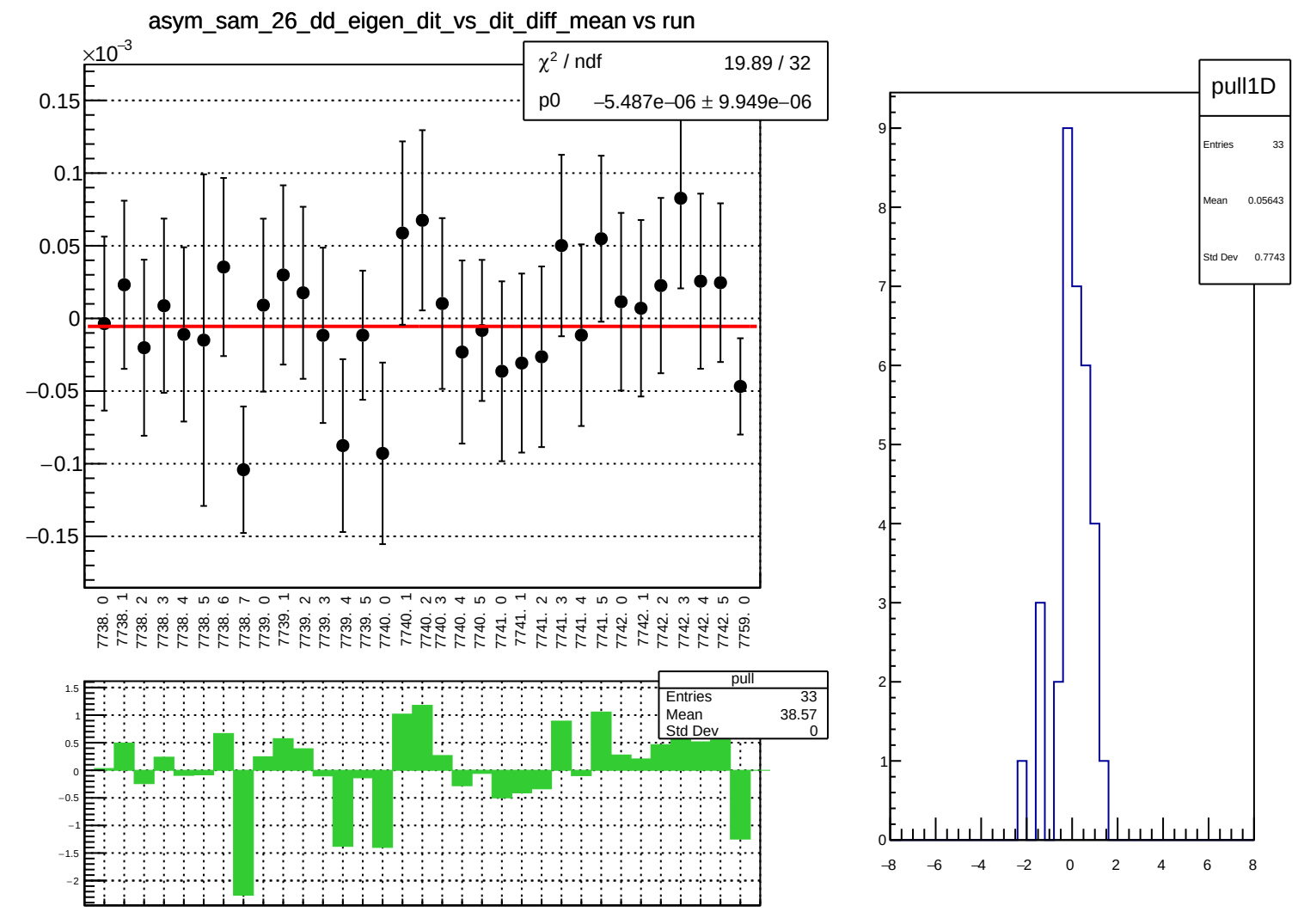

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 28.29 / 32
p0 0.1209 ± 0.3035
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 120.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.005531
Std Dev 0.9259
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

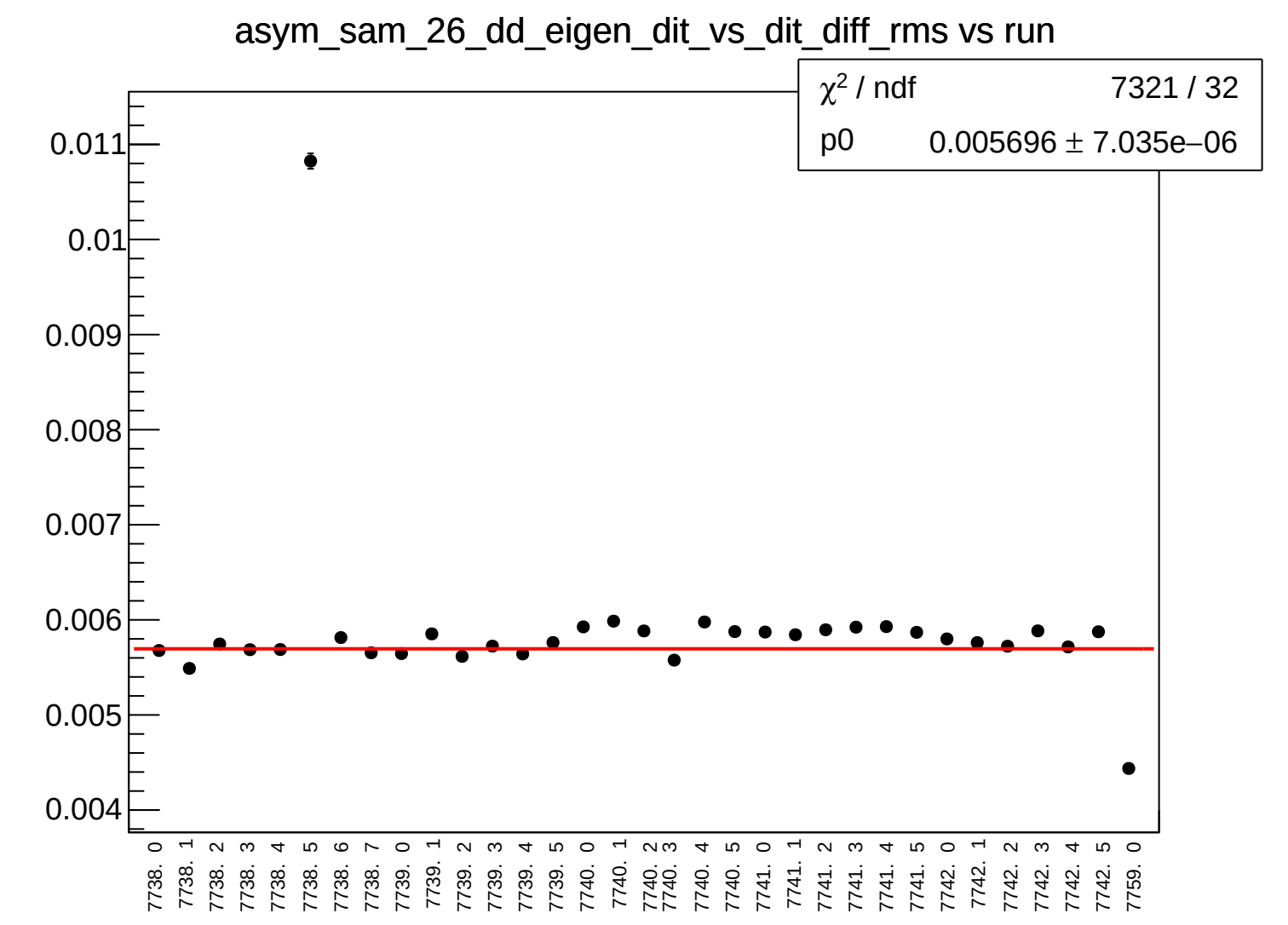

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.031e+04 / 32
p0 173.4 ± 0.2146
350
300
250
200
150
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

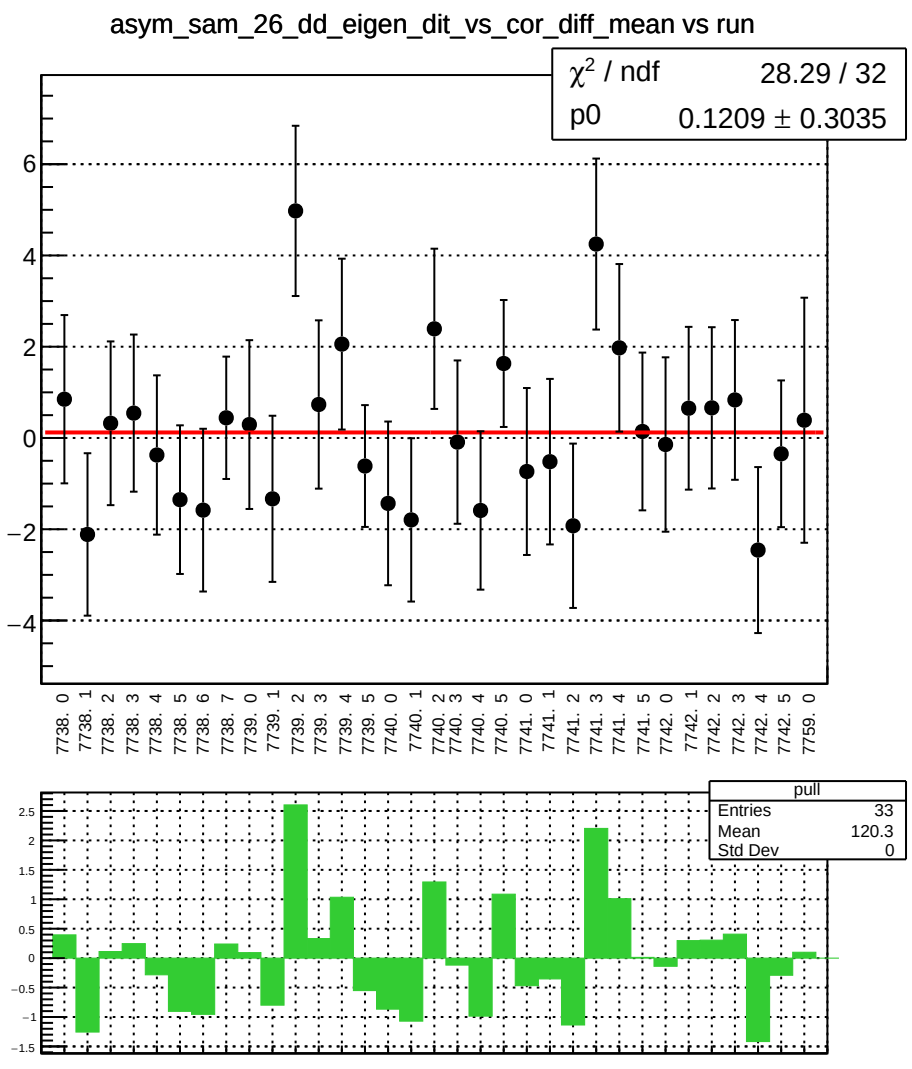

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.29 / 32
p0 0.1209 ± 0.3035
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 120.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

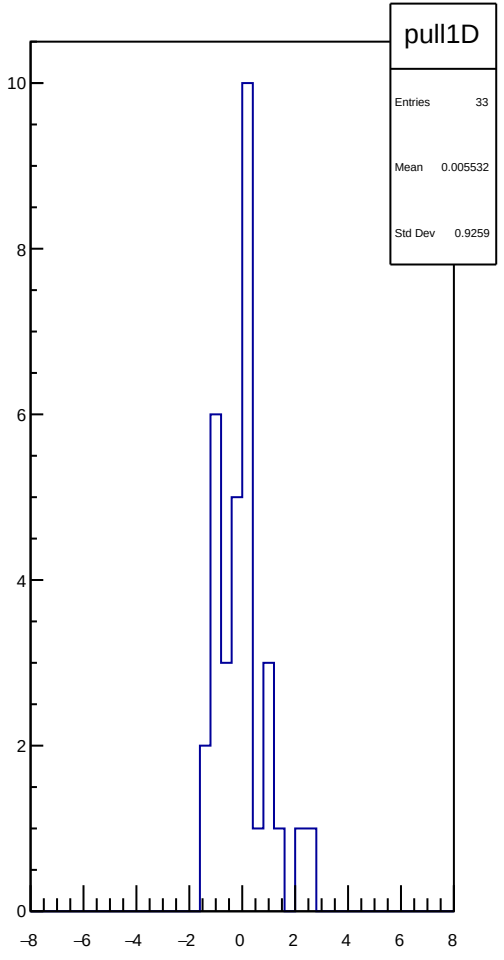

pull1D
Entries 33
Mean 0.005531
Std Dev 0.9259
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

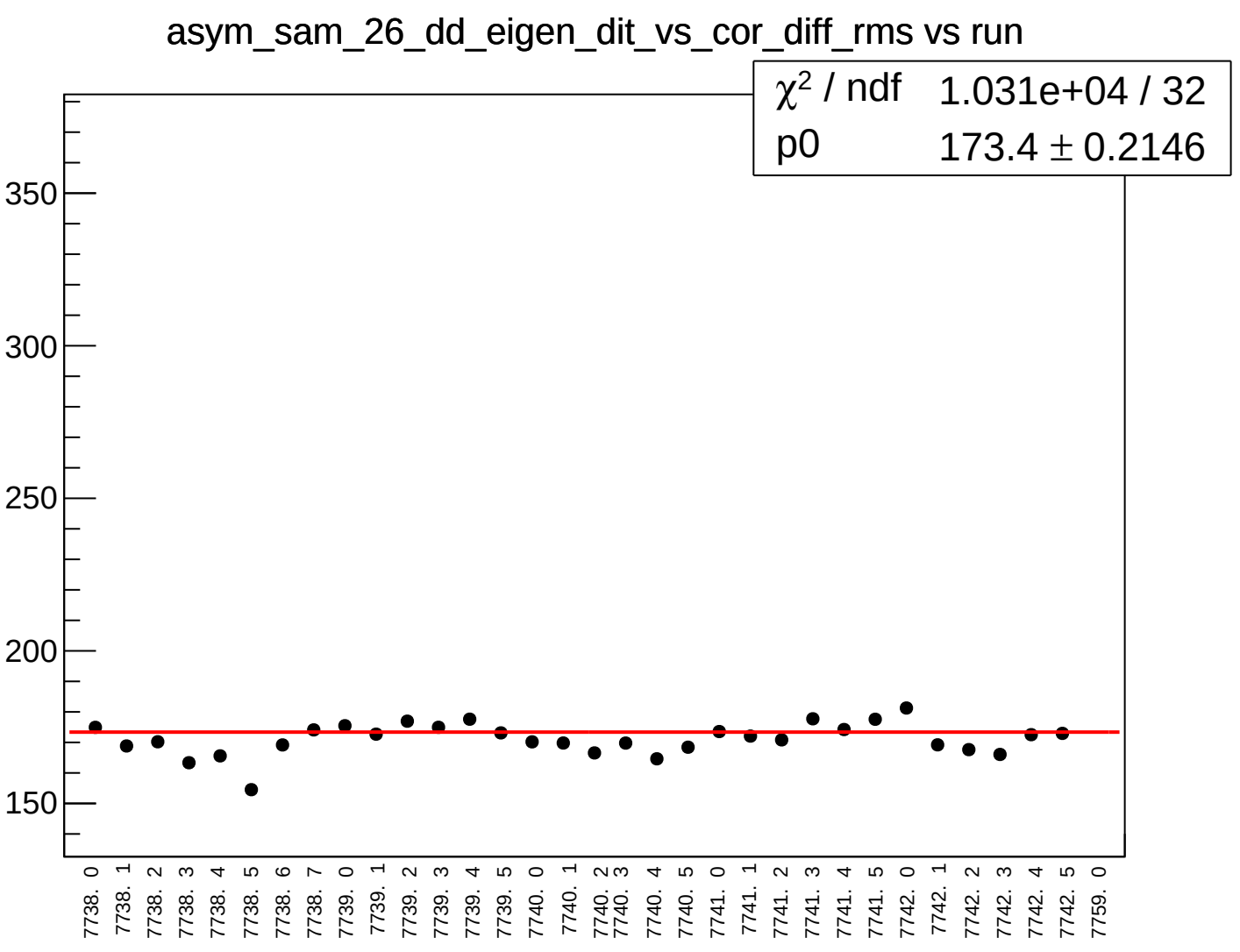

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.031e+04 / 32
p0 173.4 ± 0.2146
350
300
250
200
150
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

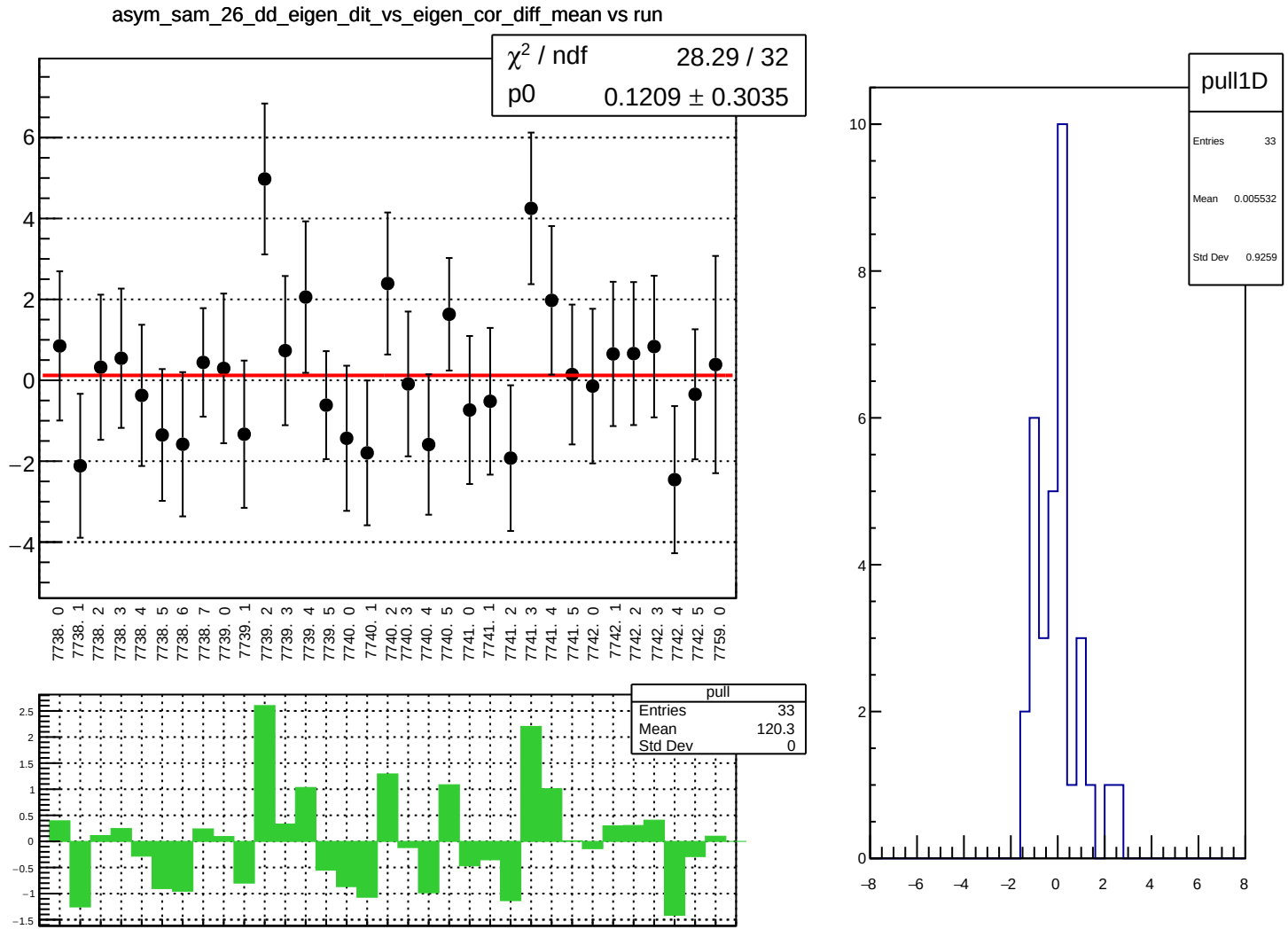

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 19.89 / 32
p0 −5.487e−06 ± 9.949e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.05643
Std Dev 0.7743
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

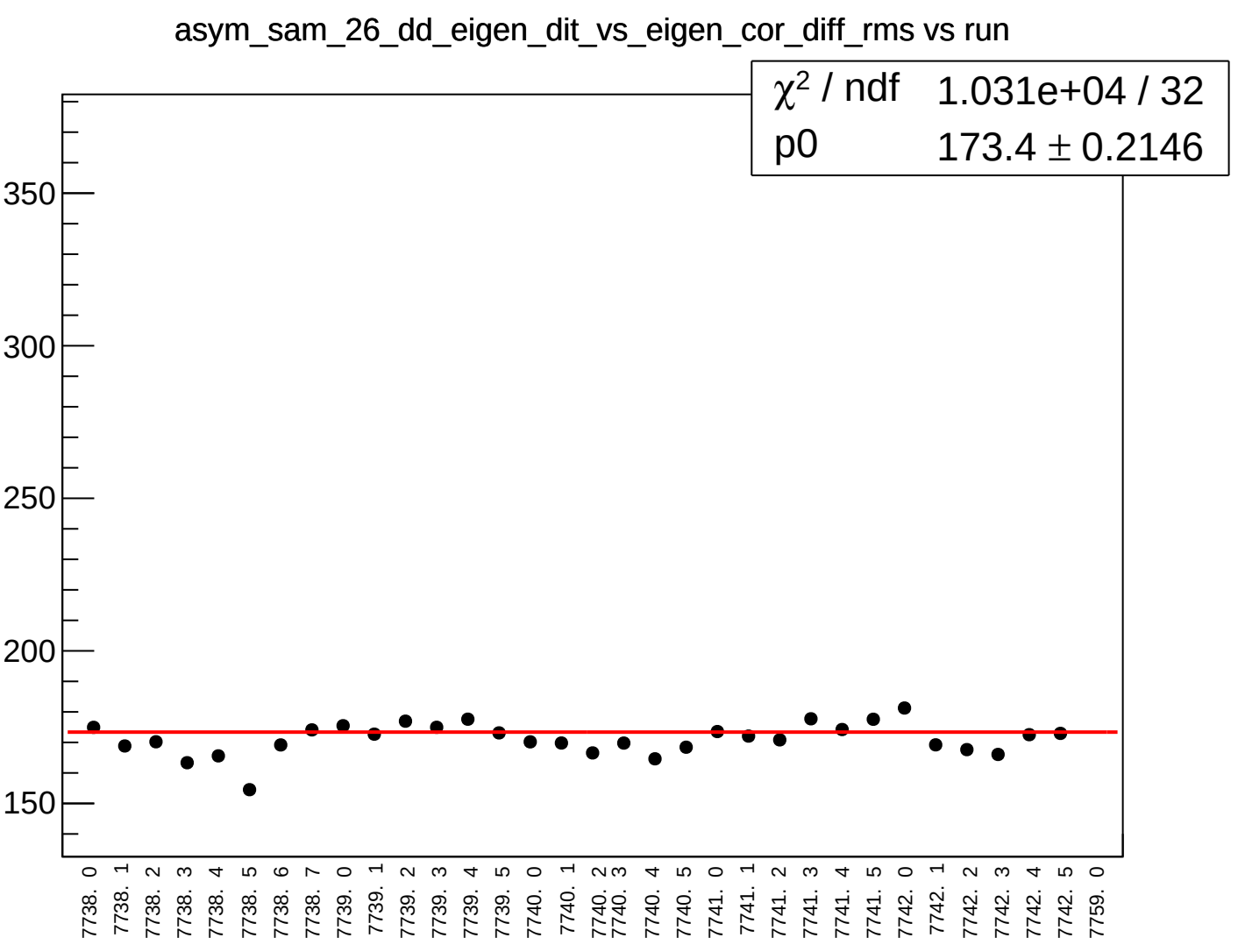

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7321 / 32
p0 0.005696 ± 7.035e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

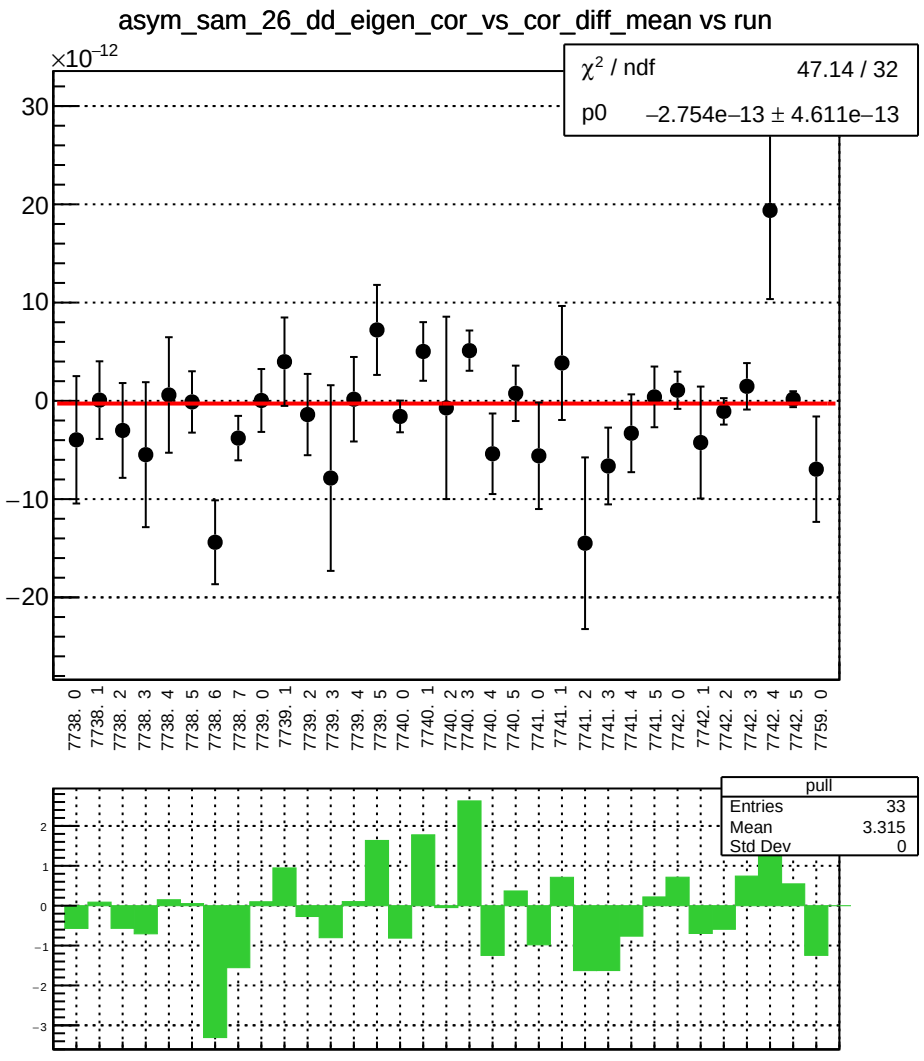

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.29 / 32
p0 0.1209 ± 0.3035
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 120.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

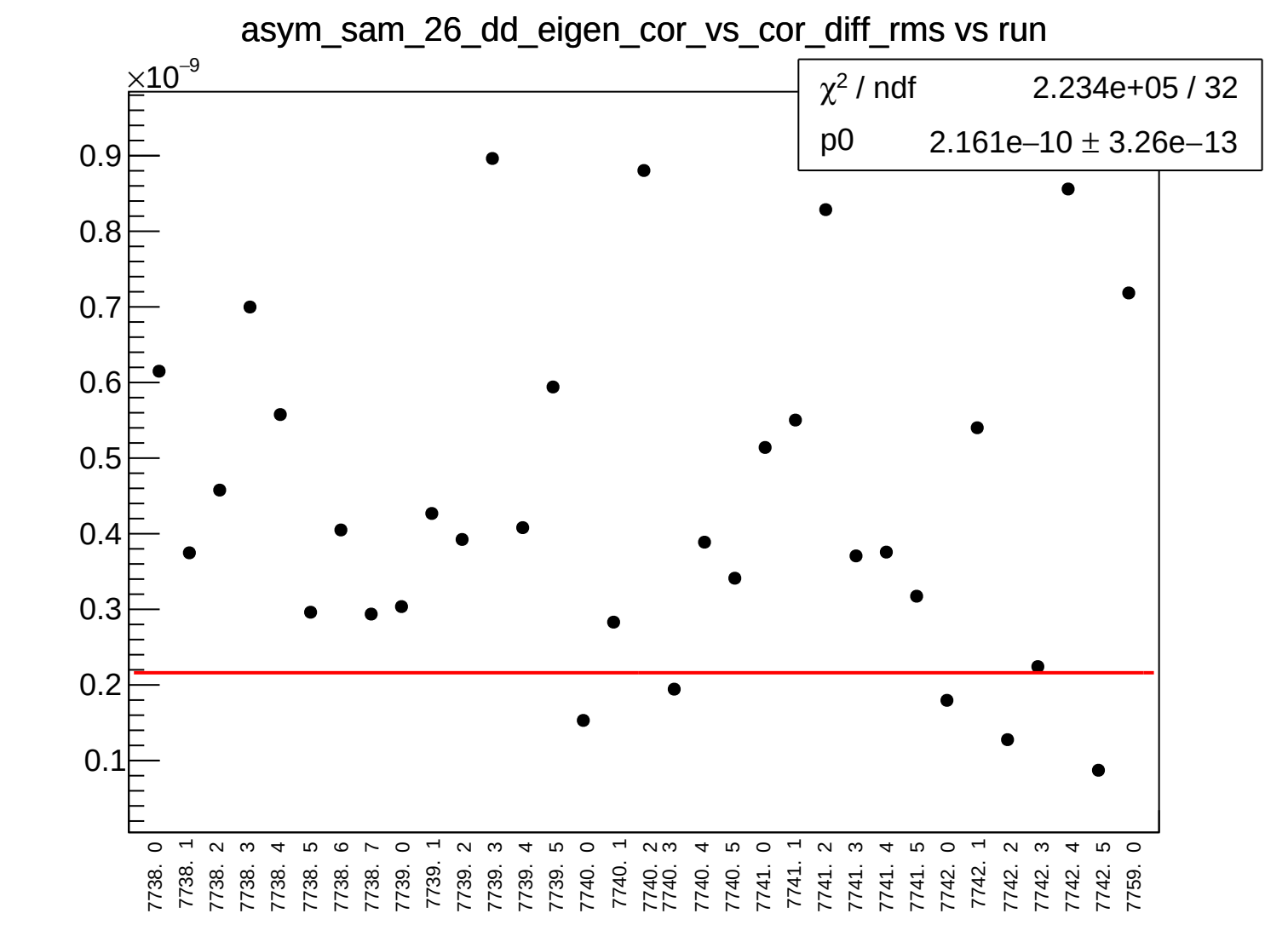

pull1D
Entries 33
Mean 0.005532
Std Dev 0.9259
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

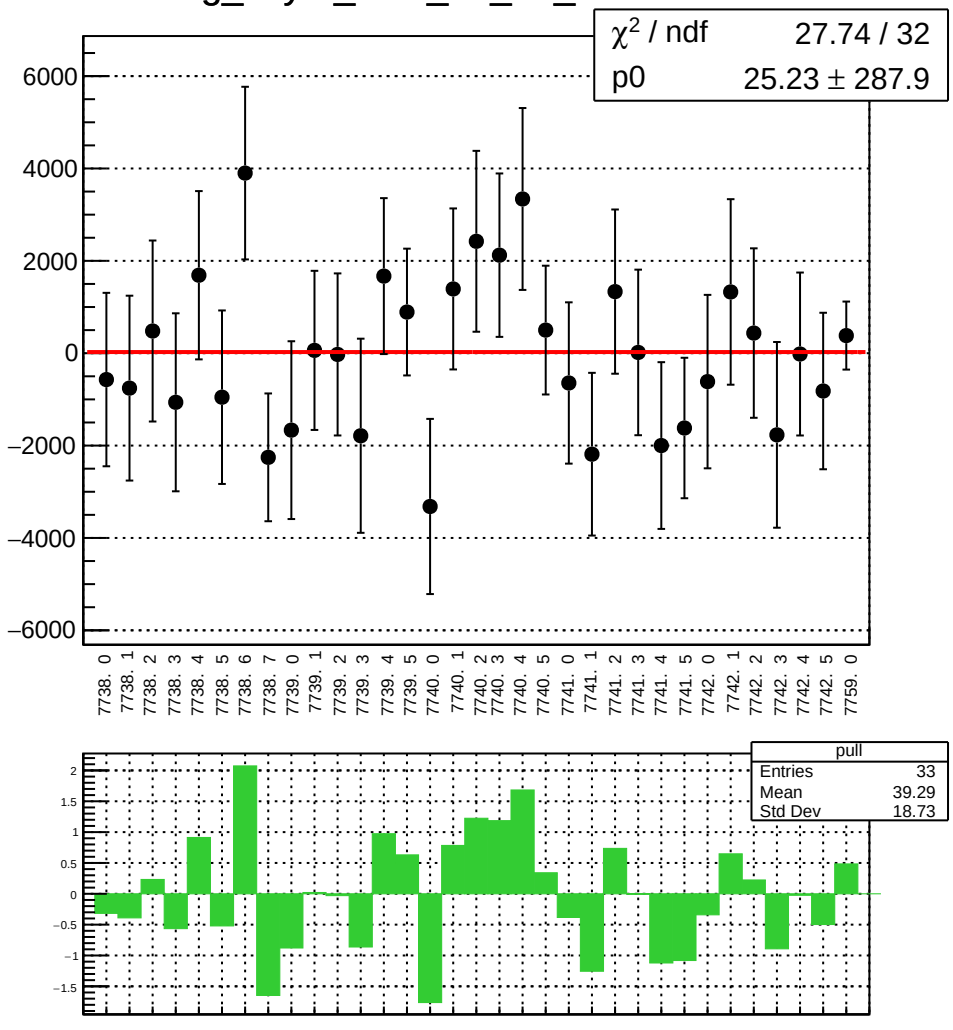

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.031e+04 / 32
p0 173.4 ± 0.2146
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

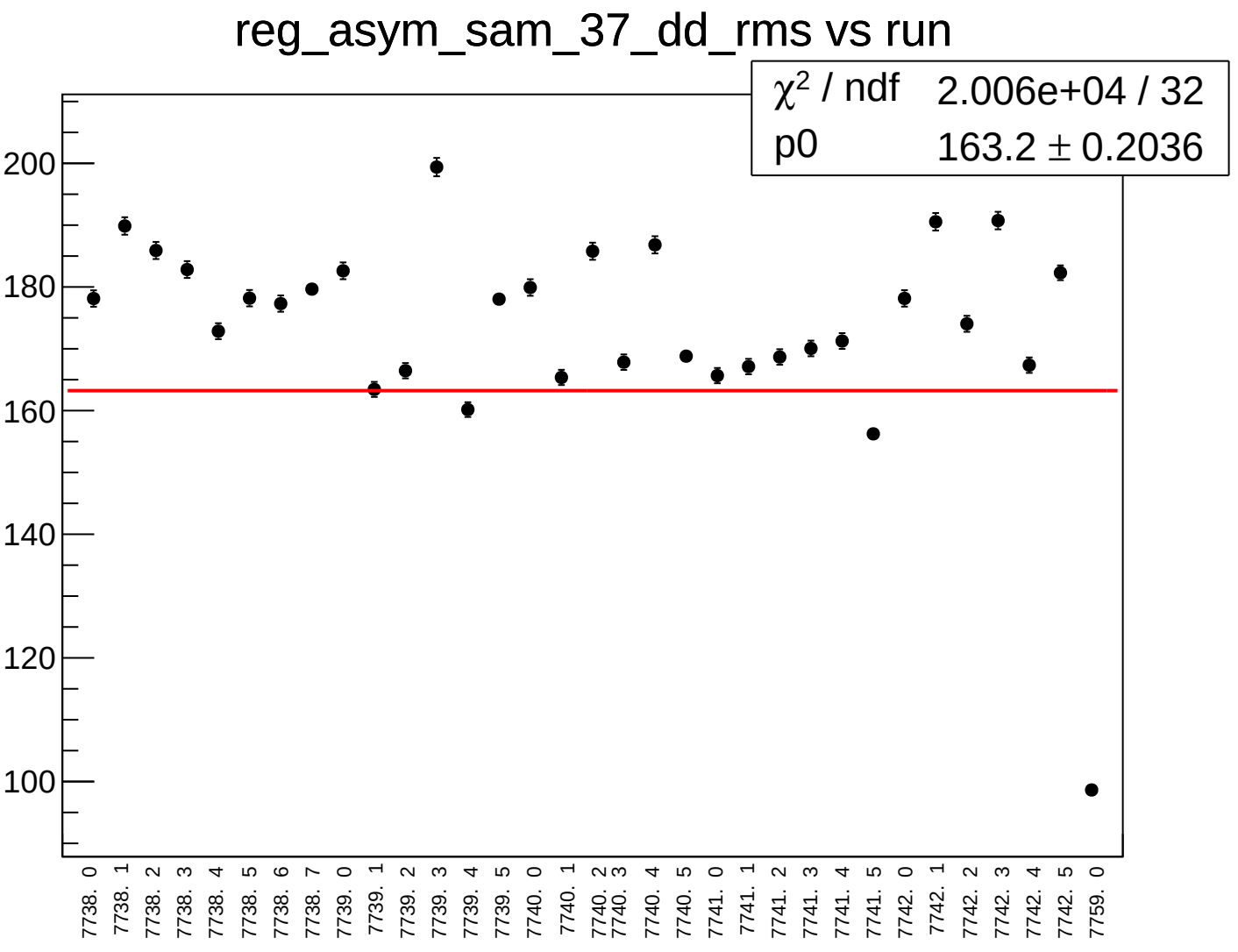

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.29 / 32
p0 0.1209 ± 0.3035
6
4
2
0
−2
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 120.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.005532
Std Dev 0.9259
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

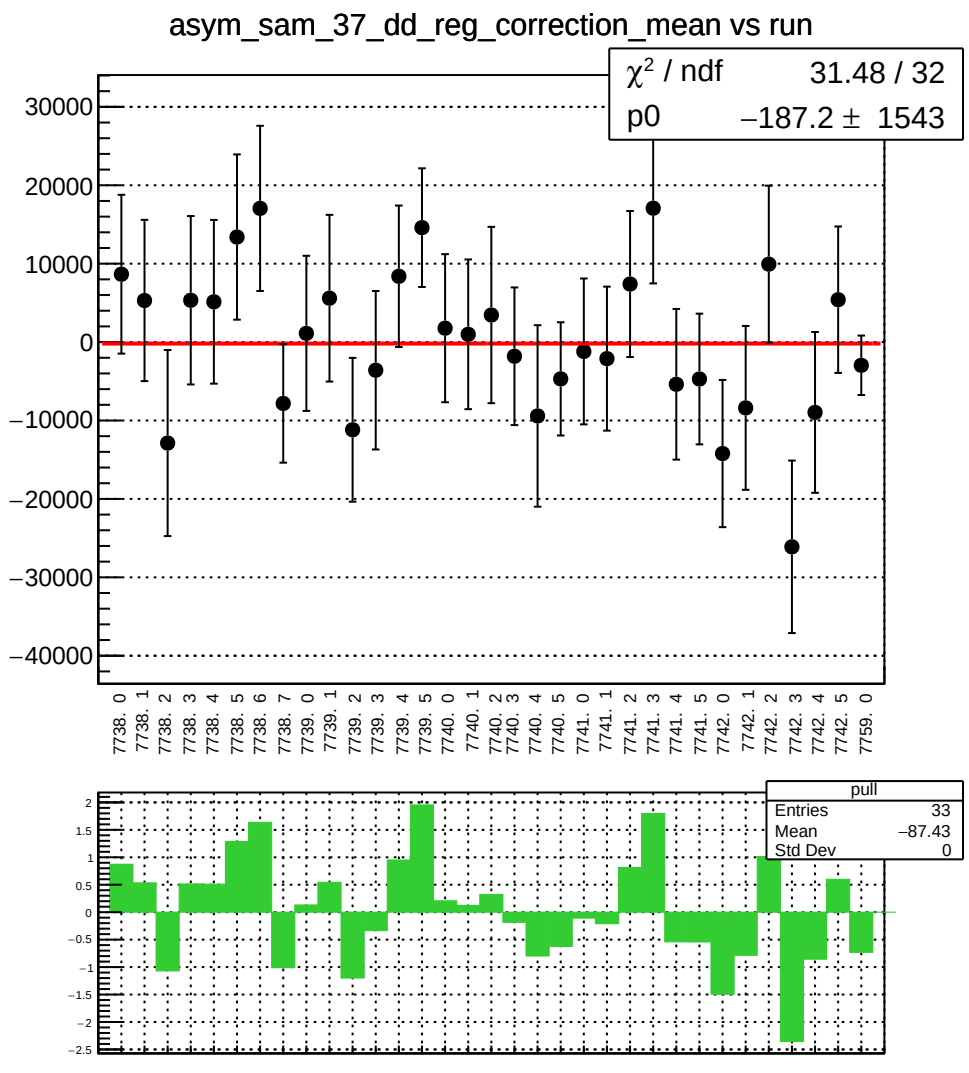

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.031e+04 / 32
p0 173.4 ± 0.2146
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

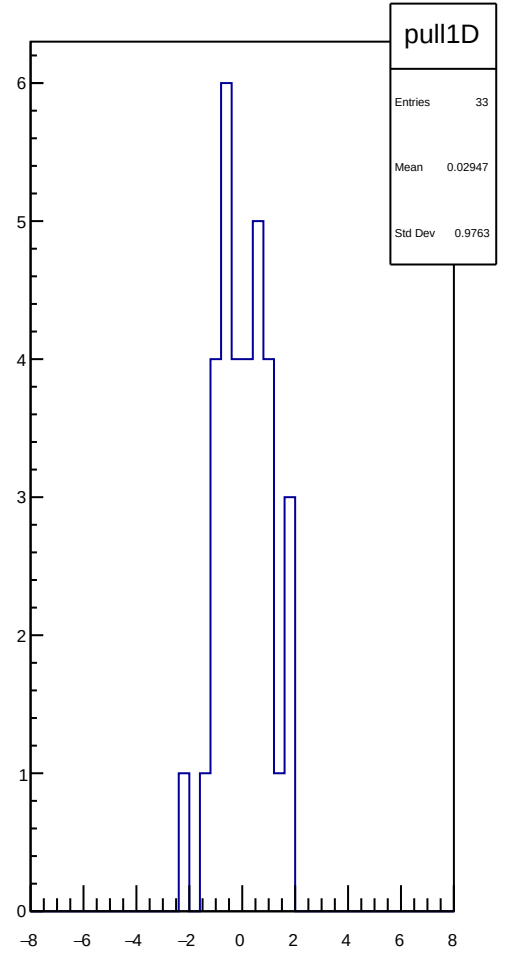

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.14 / 32
p0 −2.754e−13 ± 4.611e−13
30
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.315
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.135
Std Dev 1.188
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

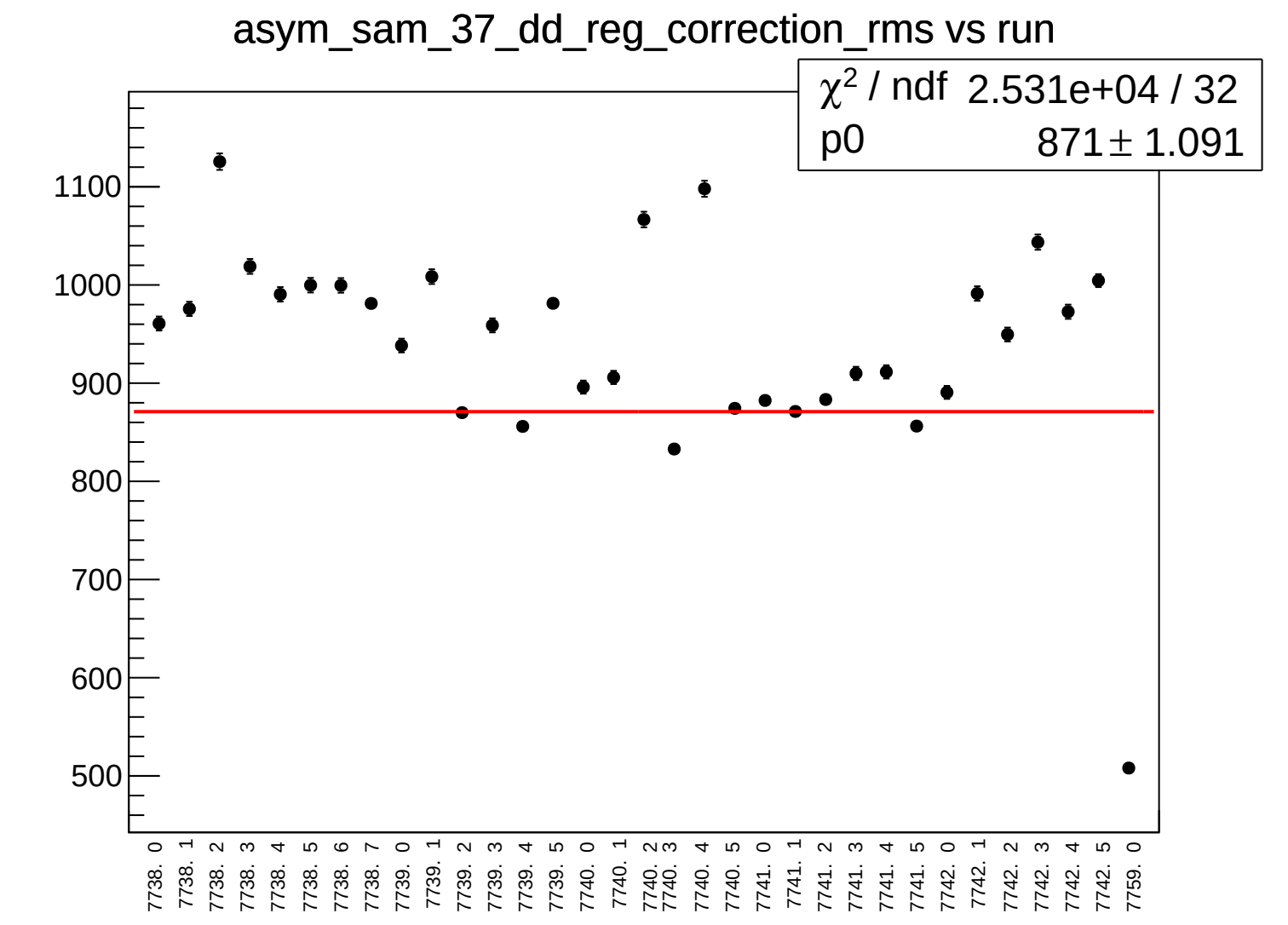

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.234e+05 / 32
p0 2.161e−10 ± 3.26e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

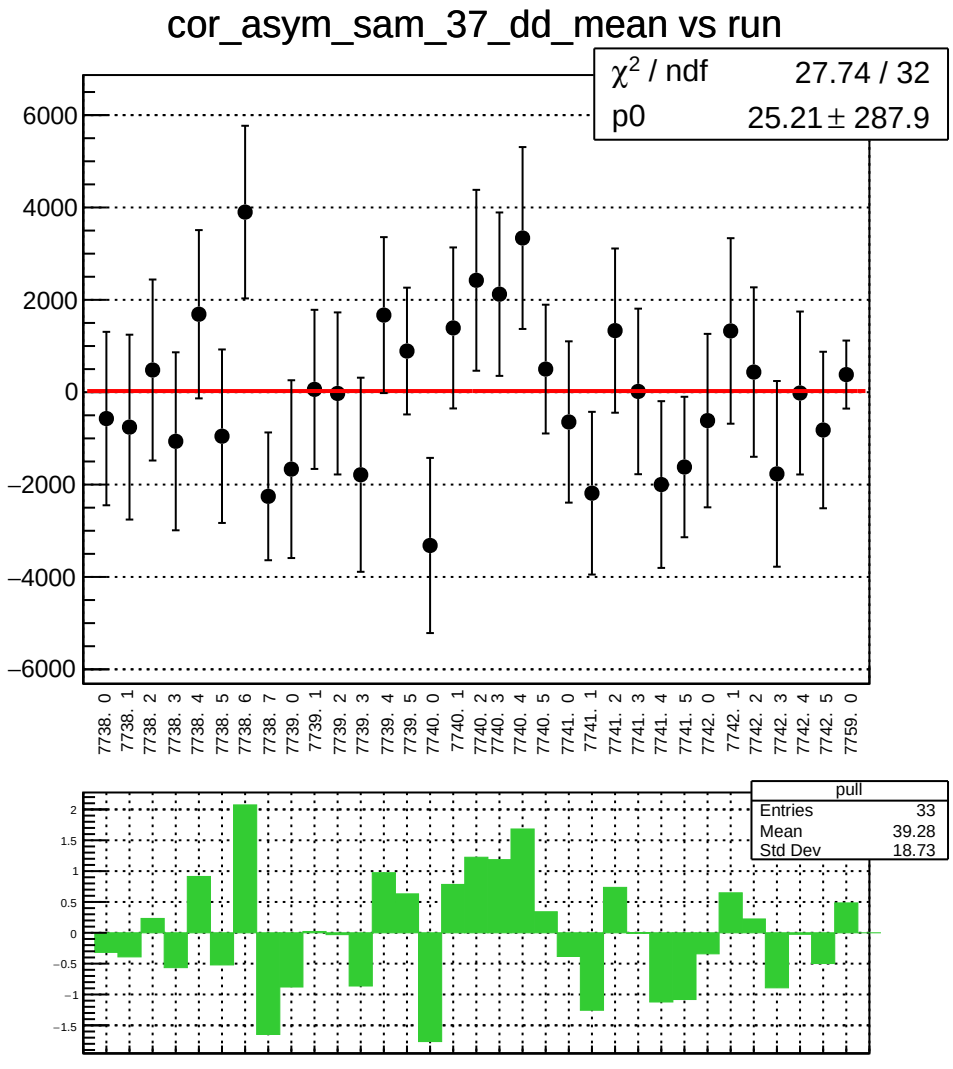

reg_asym_sam_37_dd_mean vs run
χ² / ndf 27.74 / 32
p0 25.23 ± 287.9
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.29
Std Dev 18.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01275
Std Dev 0.9168
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

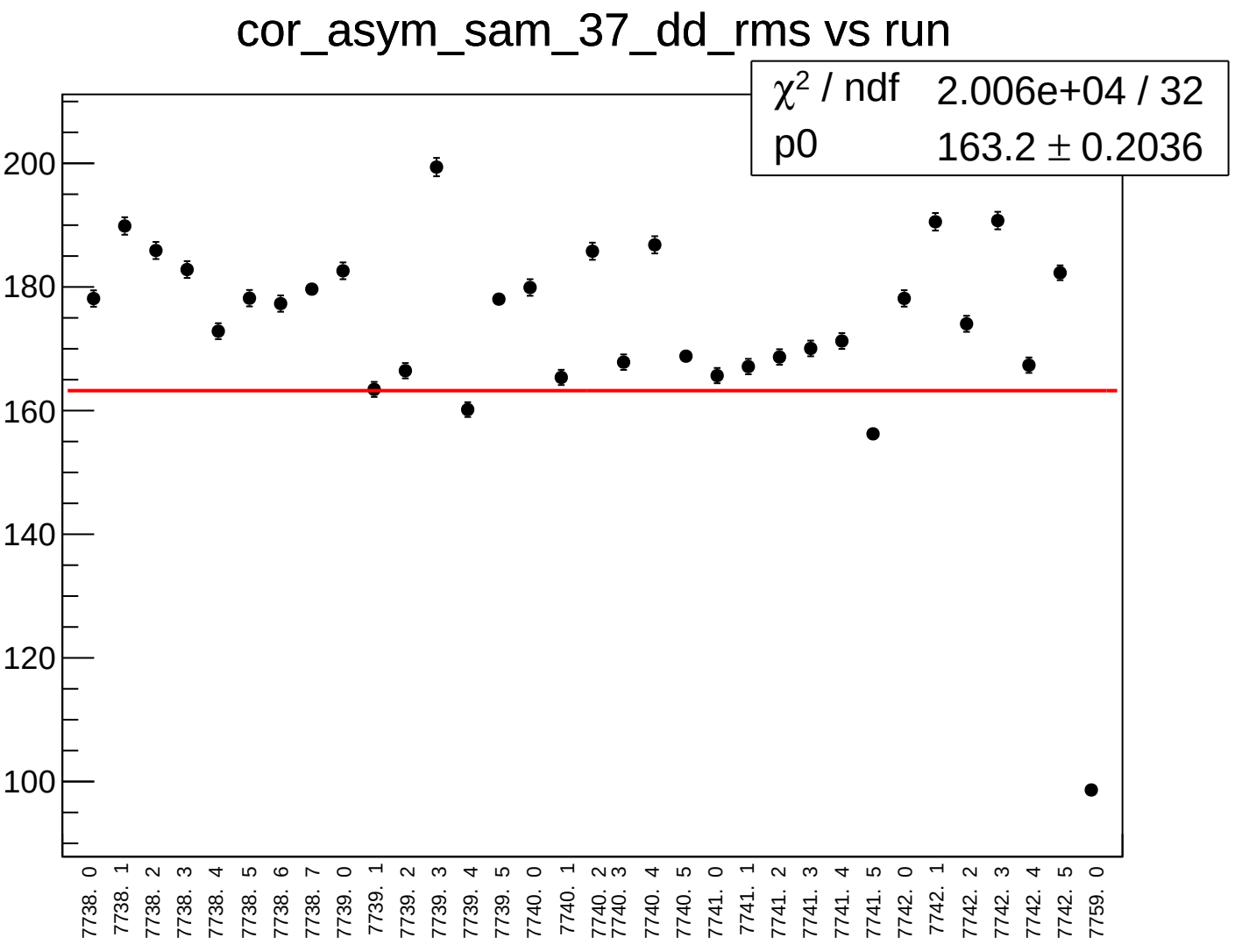

reg_asym_sam_37_dd_rms vs run
χ² / ndf 2.006e+04 / 32
p0 163.2 ± 0.2036
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 31.48 / 32
p0 −187.2 ± 1543
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean 0.02947
Std Dev 0.9763
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 2.531e+04 / 32
p0 871 ± 1.091
1100
1000
900
800
700
600
500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0


cor_asym_sam_37_dd_mean vs run
χ² / ndf 27.74 / 32
p0 25.21 ± 287.9
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.28
Std Dev 18.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01275
Std Dev 0.9168
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_dd_rms vs run
χ² / ndf 2.006e+04 / 32
p0 163.2 ± 0.2036
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
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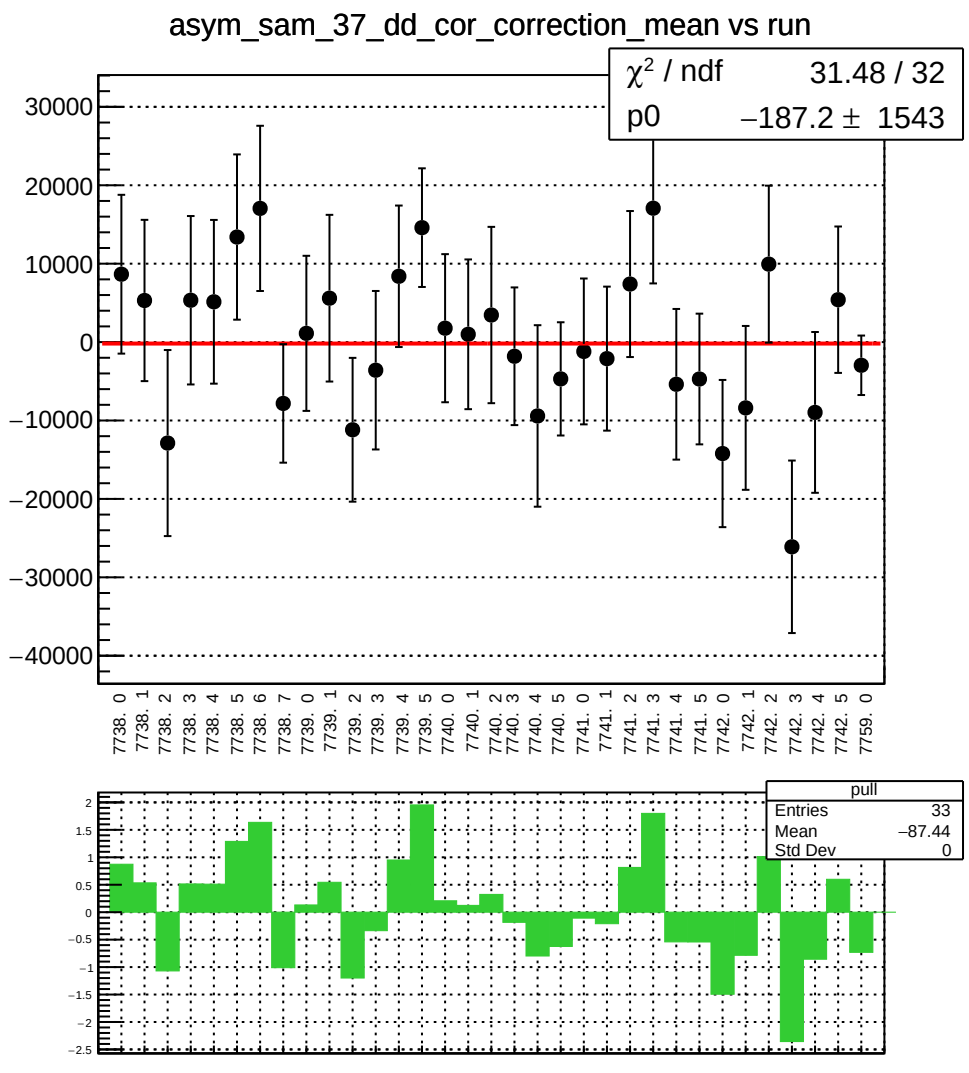
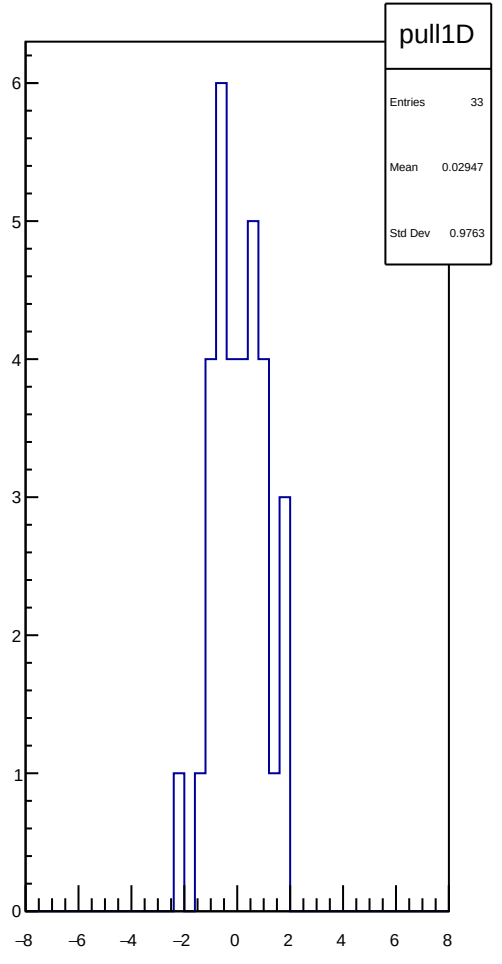
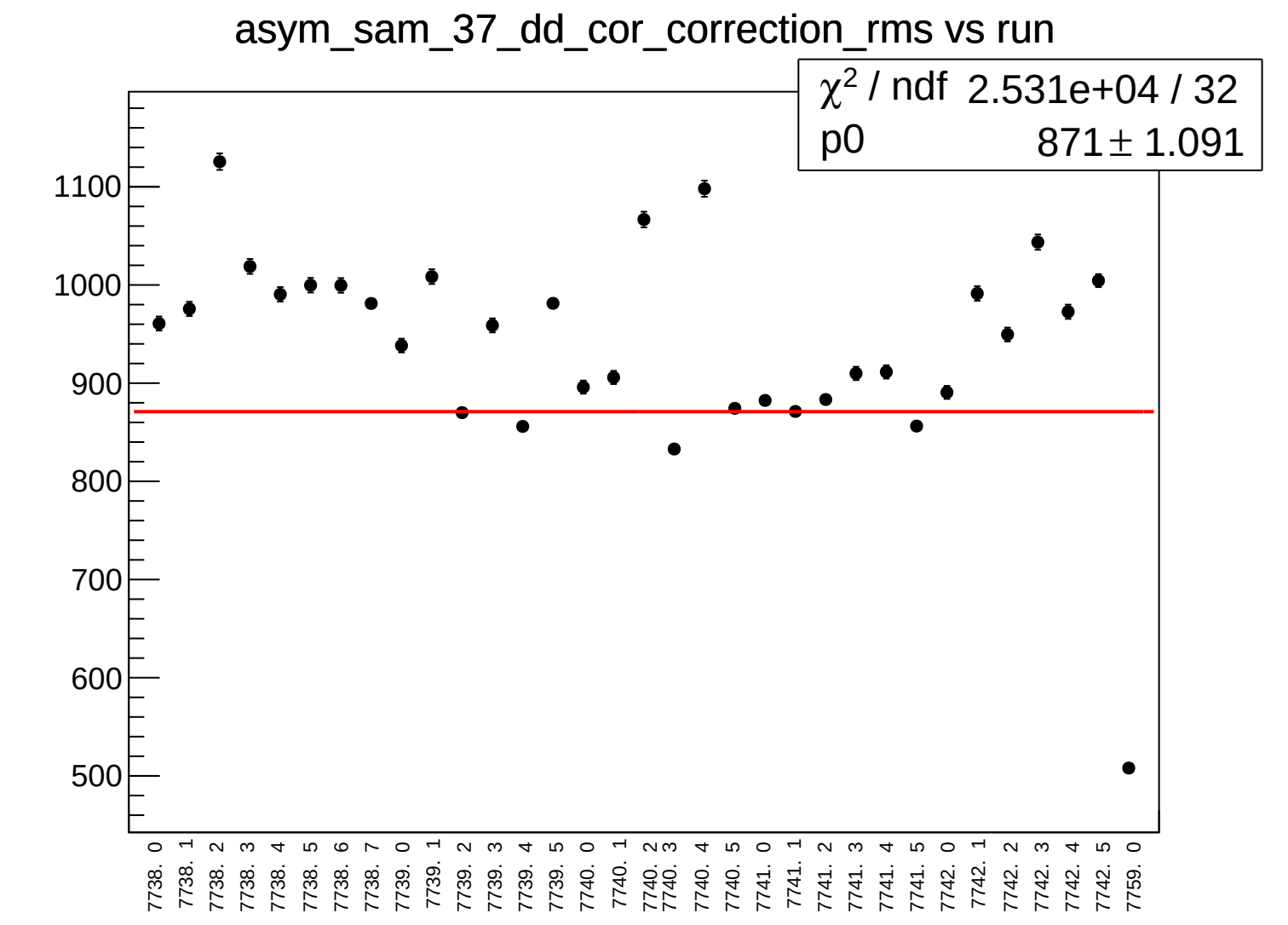
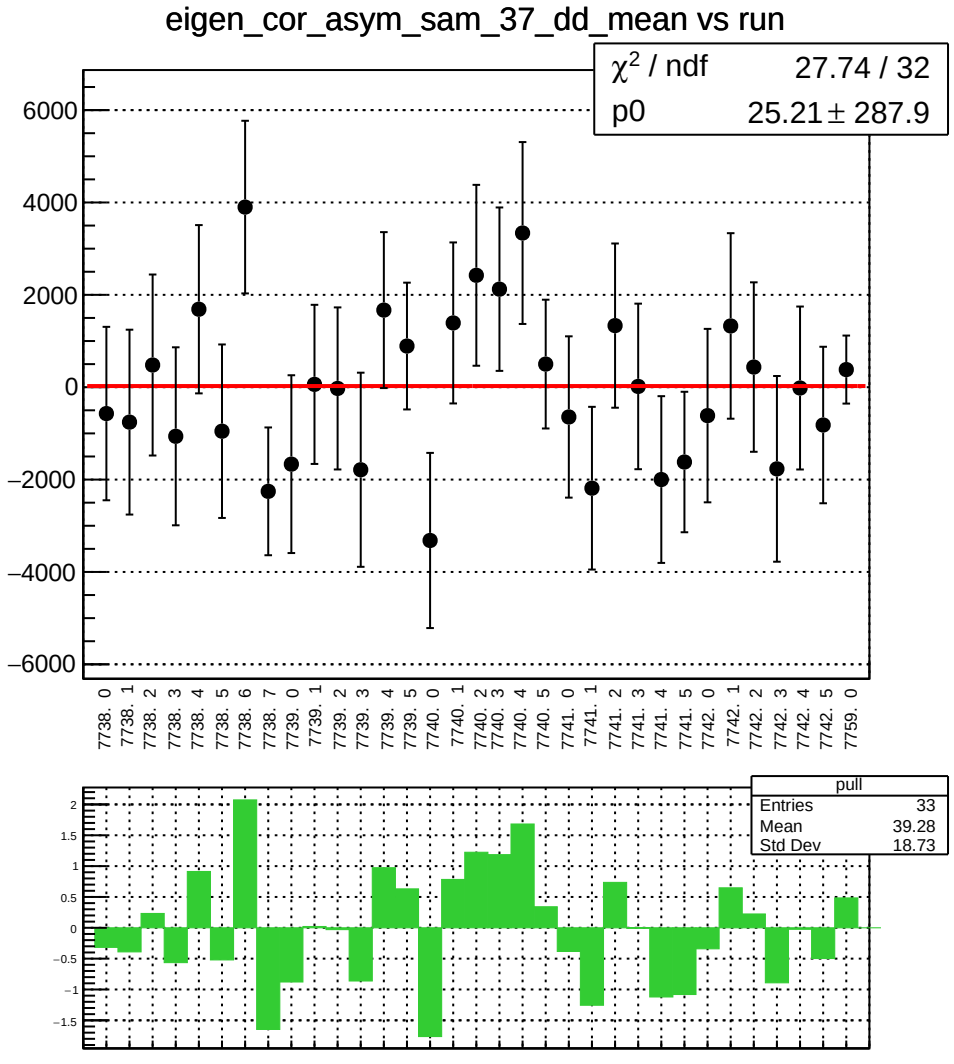
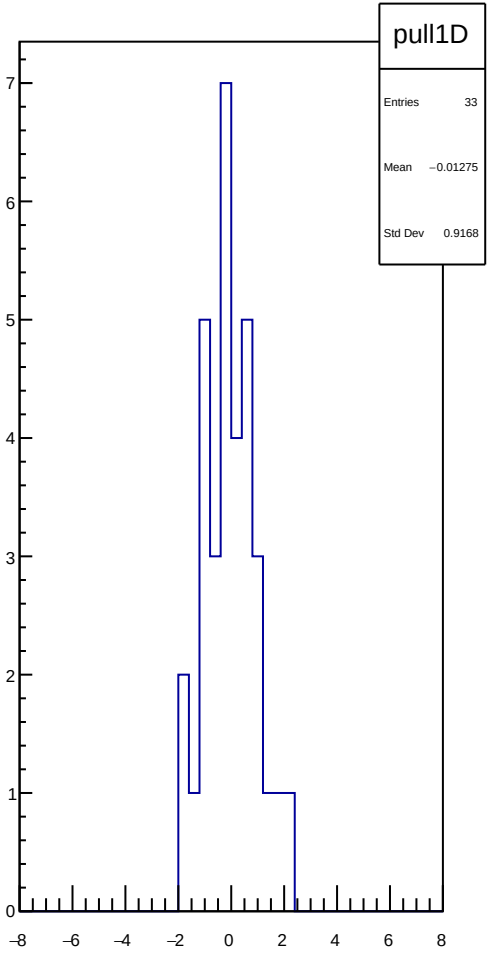
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

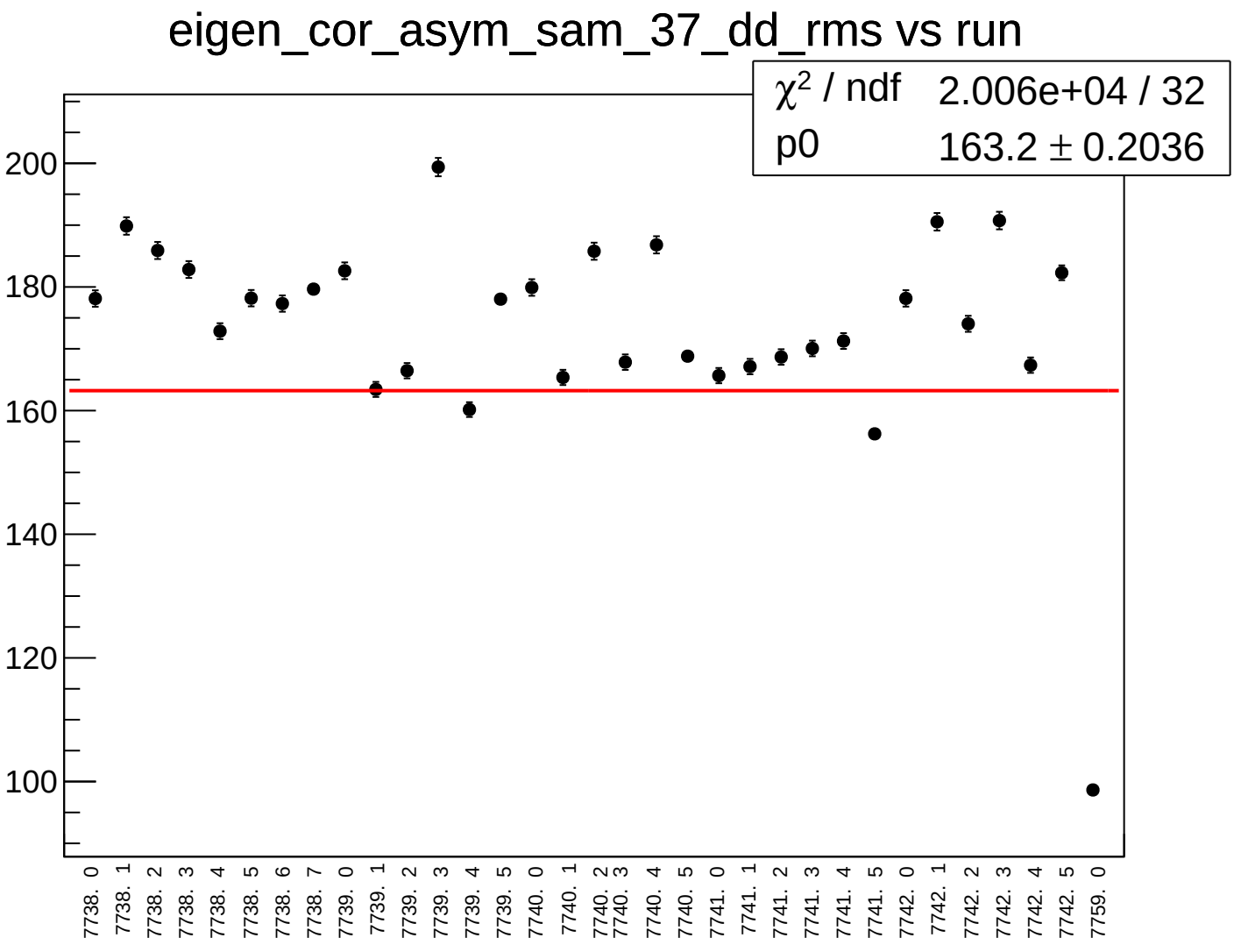

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 31.48 / 32
p0 −187.2 ± 1543
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

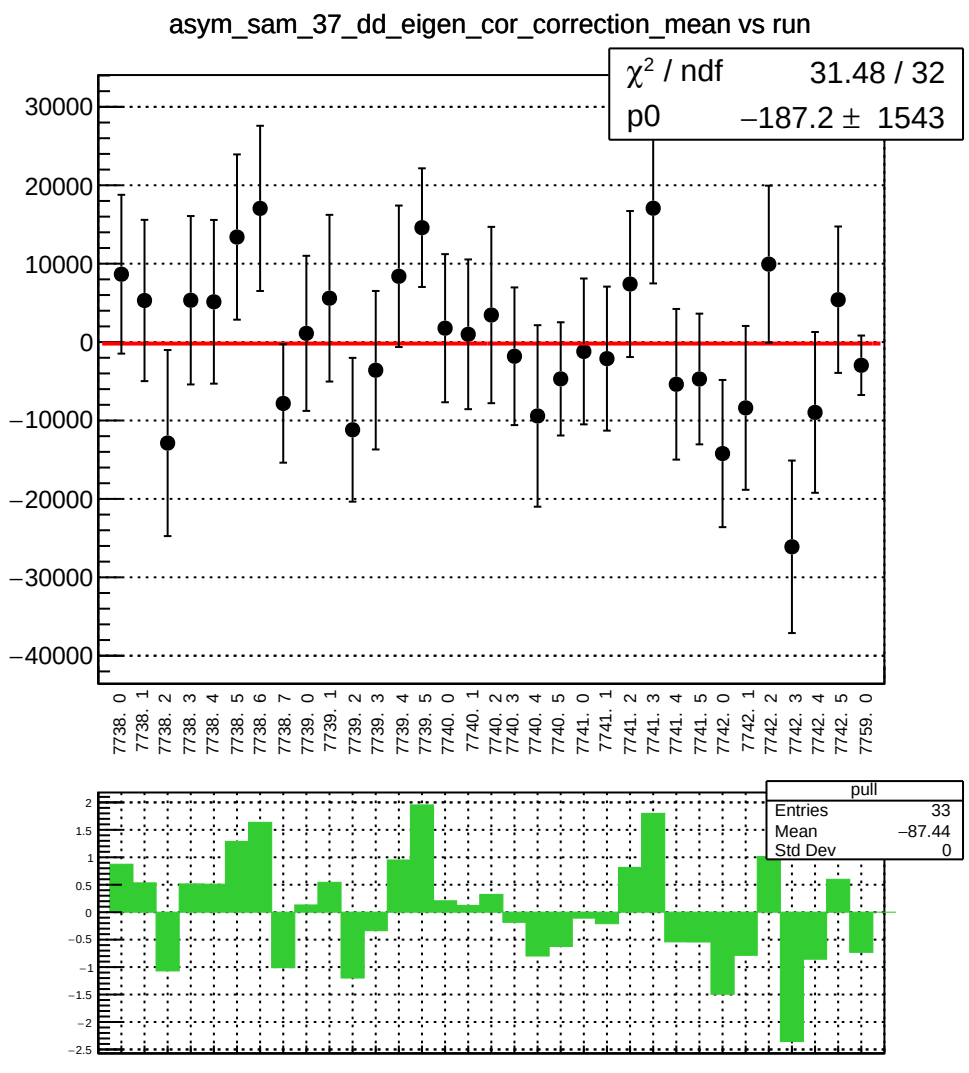

pull1D
Entries 33
Mean 0.02947
Std Dev 0.9763
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

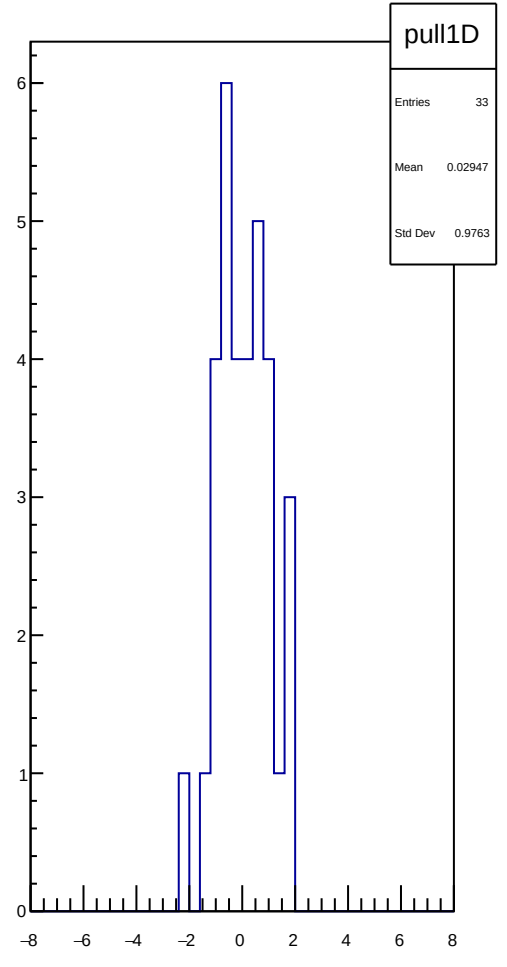

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 2.531e+04 / 32
p0 871 ± 1.091
1100
1000
900
800
700
600
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 27.74 / 32
p0 25.21 ± 287.9
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.28
Std Dev 18.73
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 33
Mean −0.01275
Std Dev 0.9168
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 2.006e+04 / 32
p0 163.2 ± 0.2036
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 31.48 / 32
p0 −187.2 ± 1543
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 33
Mean 0.02947
Std Dev 0.9763
6
5
4
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2
1
0
−8
−6
−4
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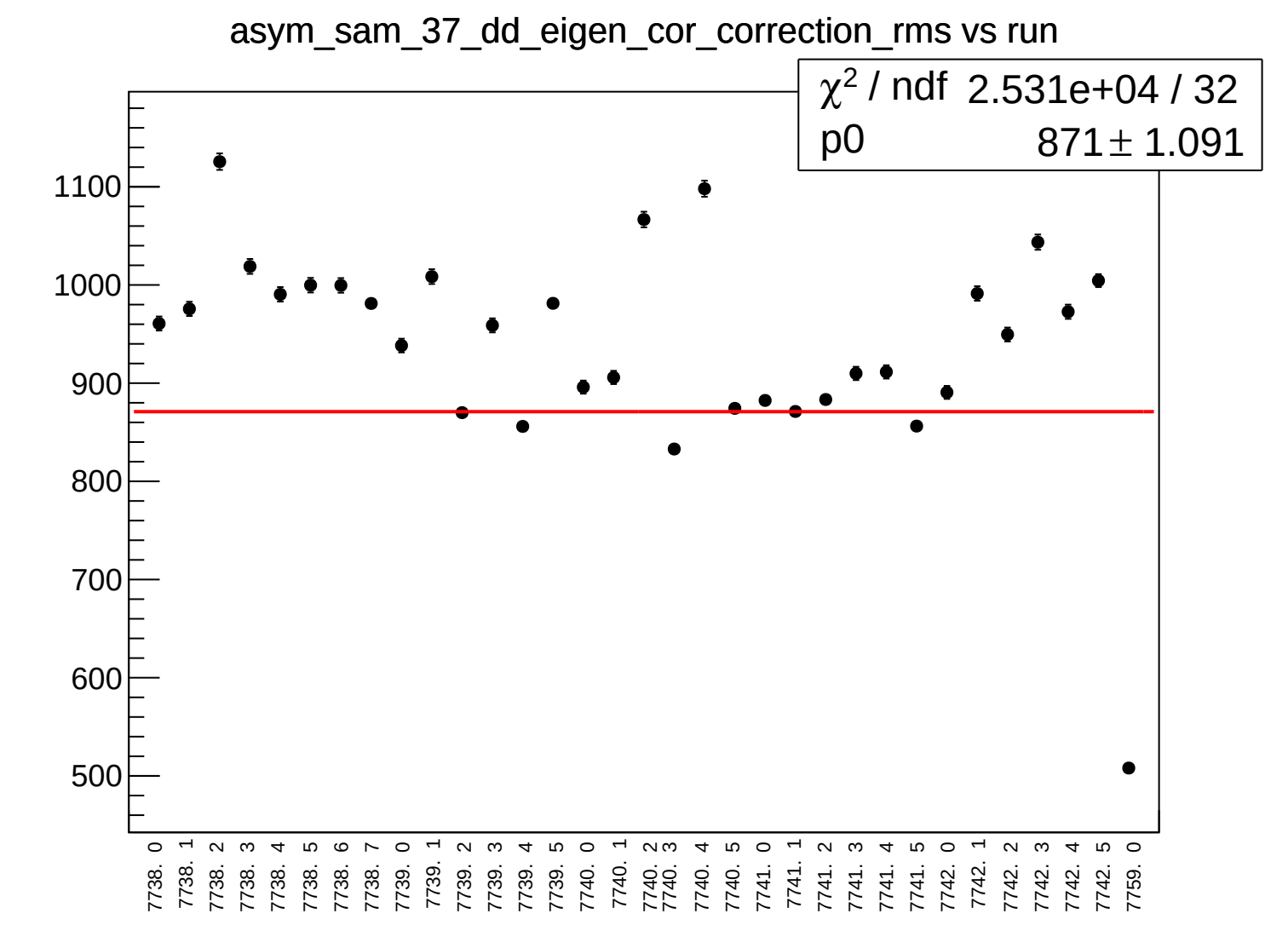
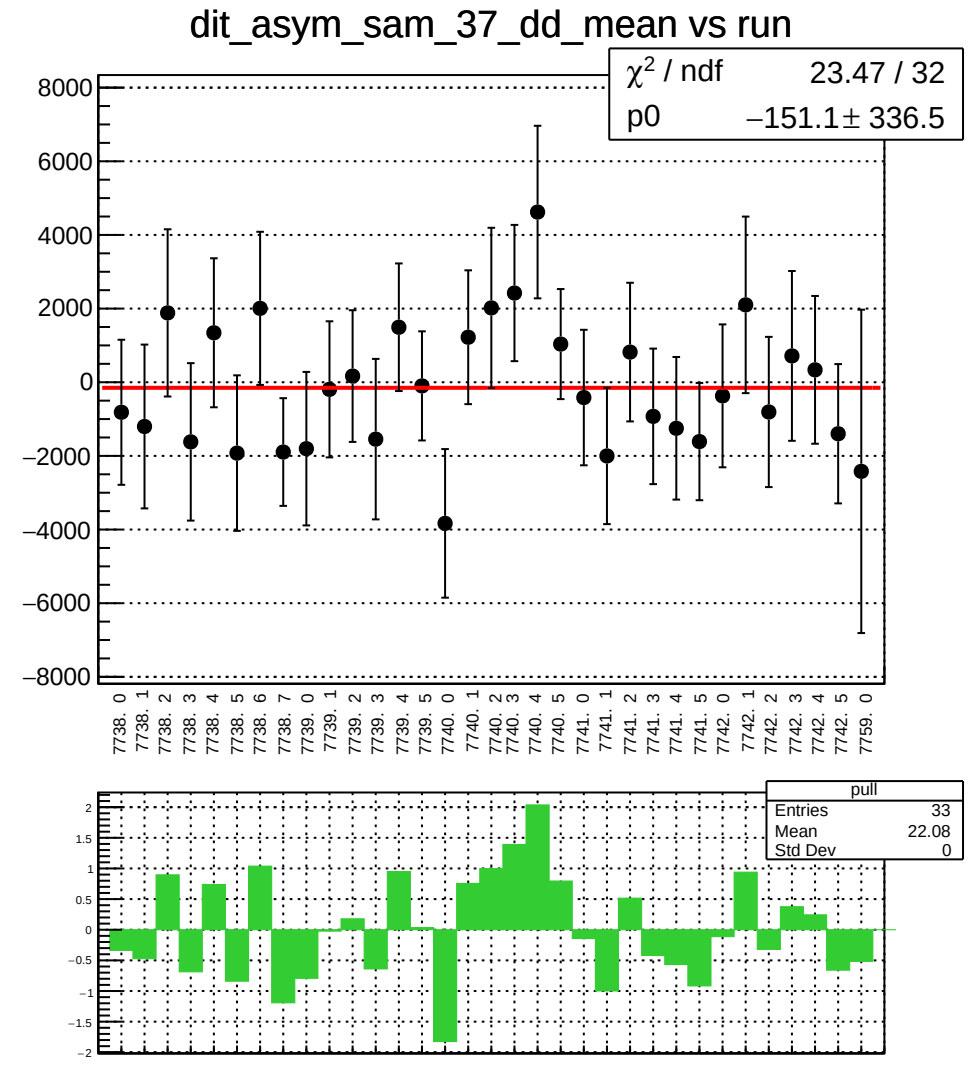
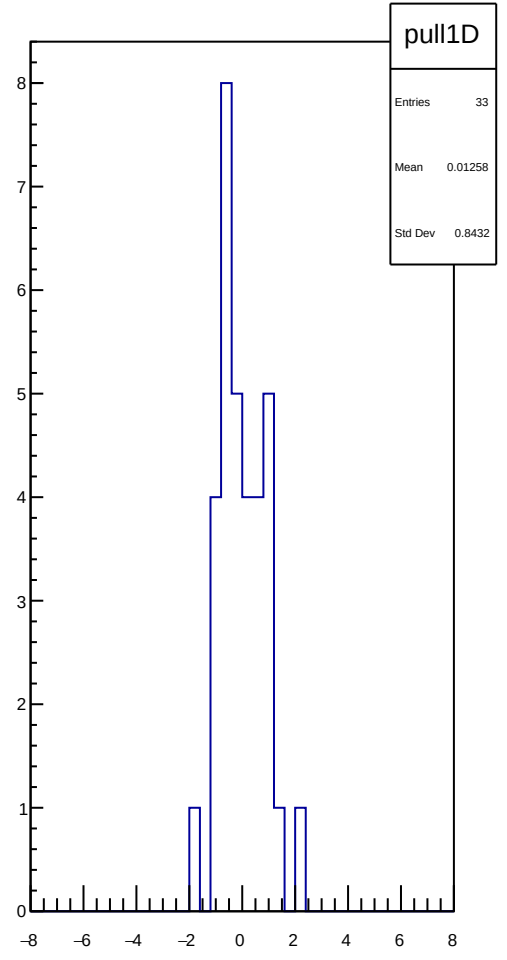
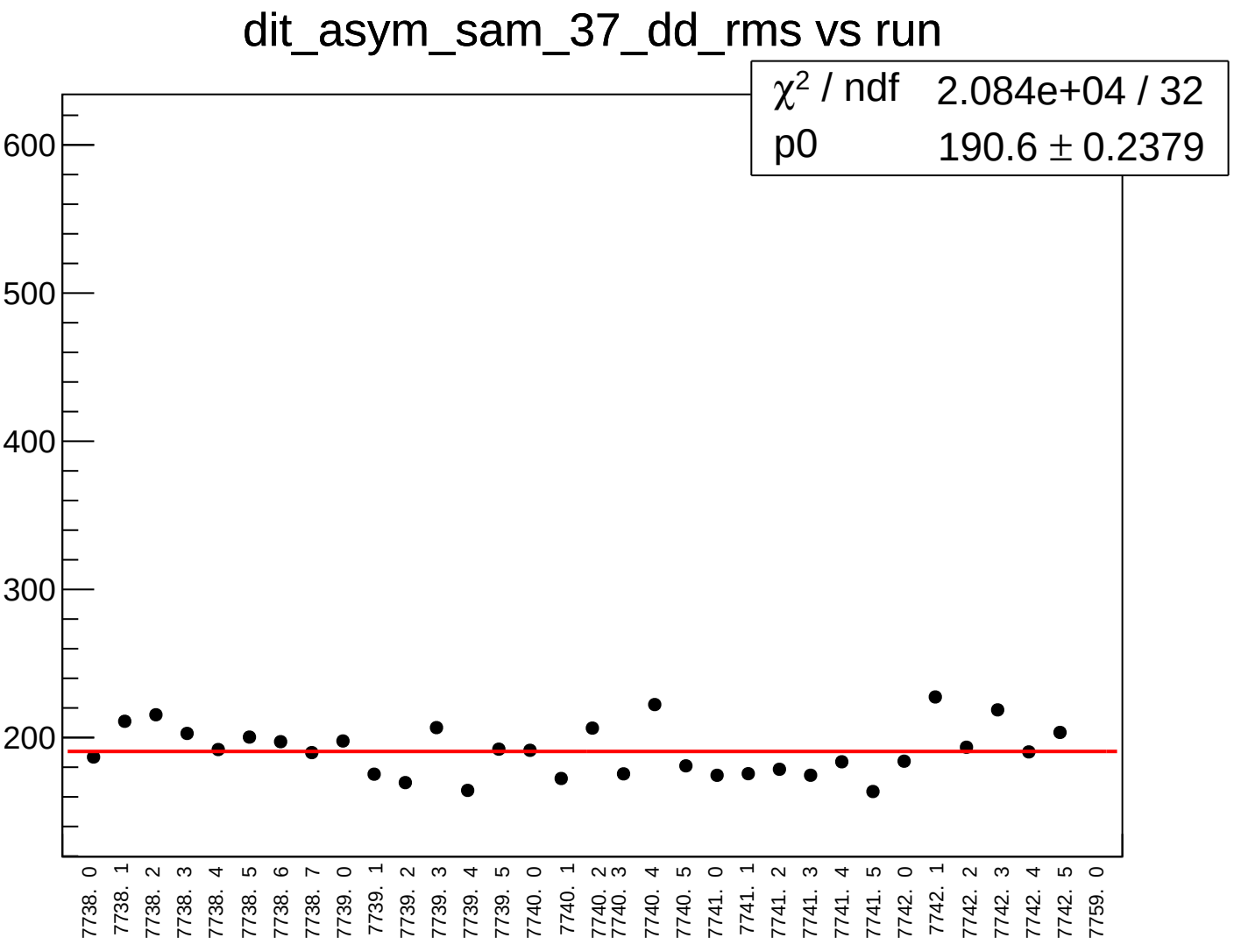
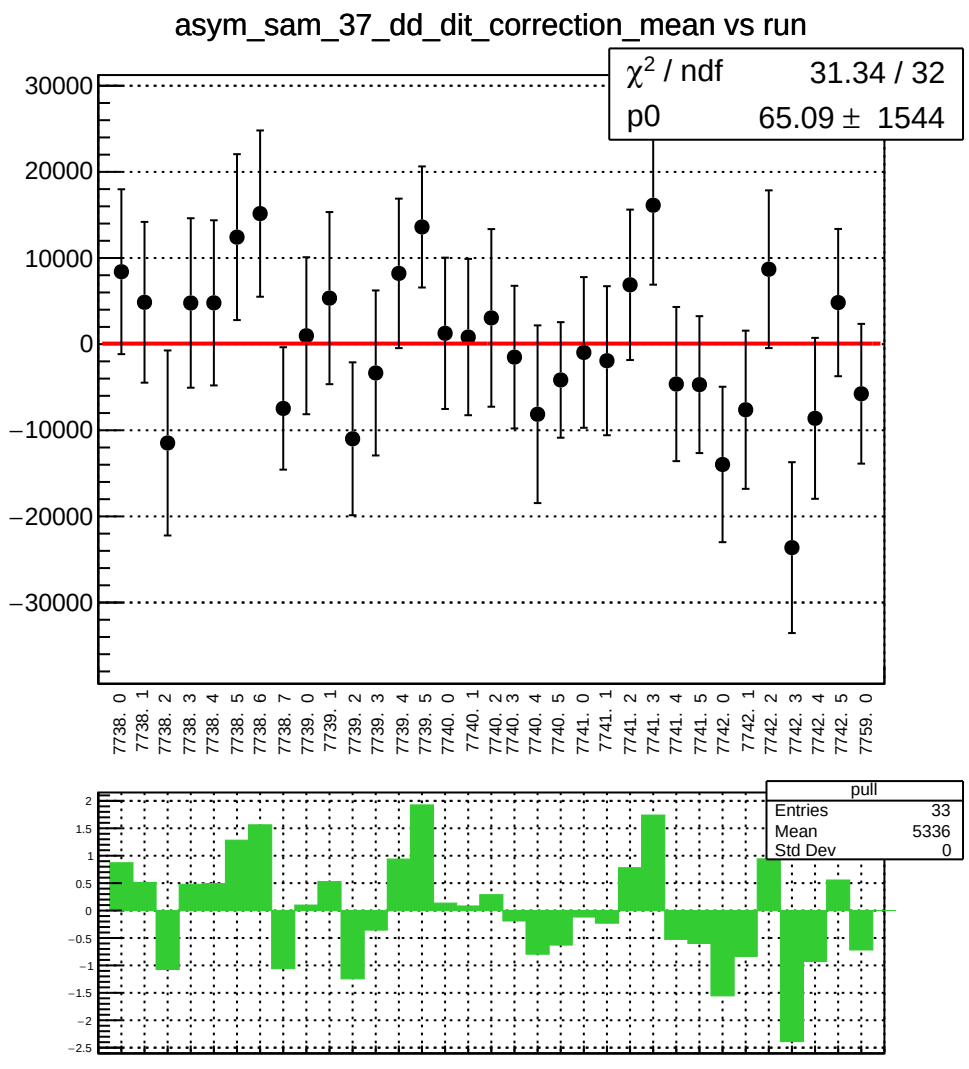
0
2
4
6
8

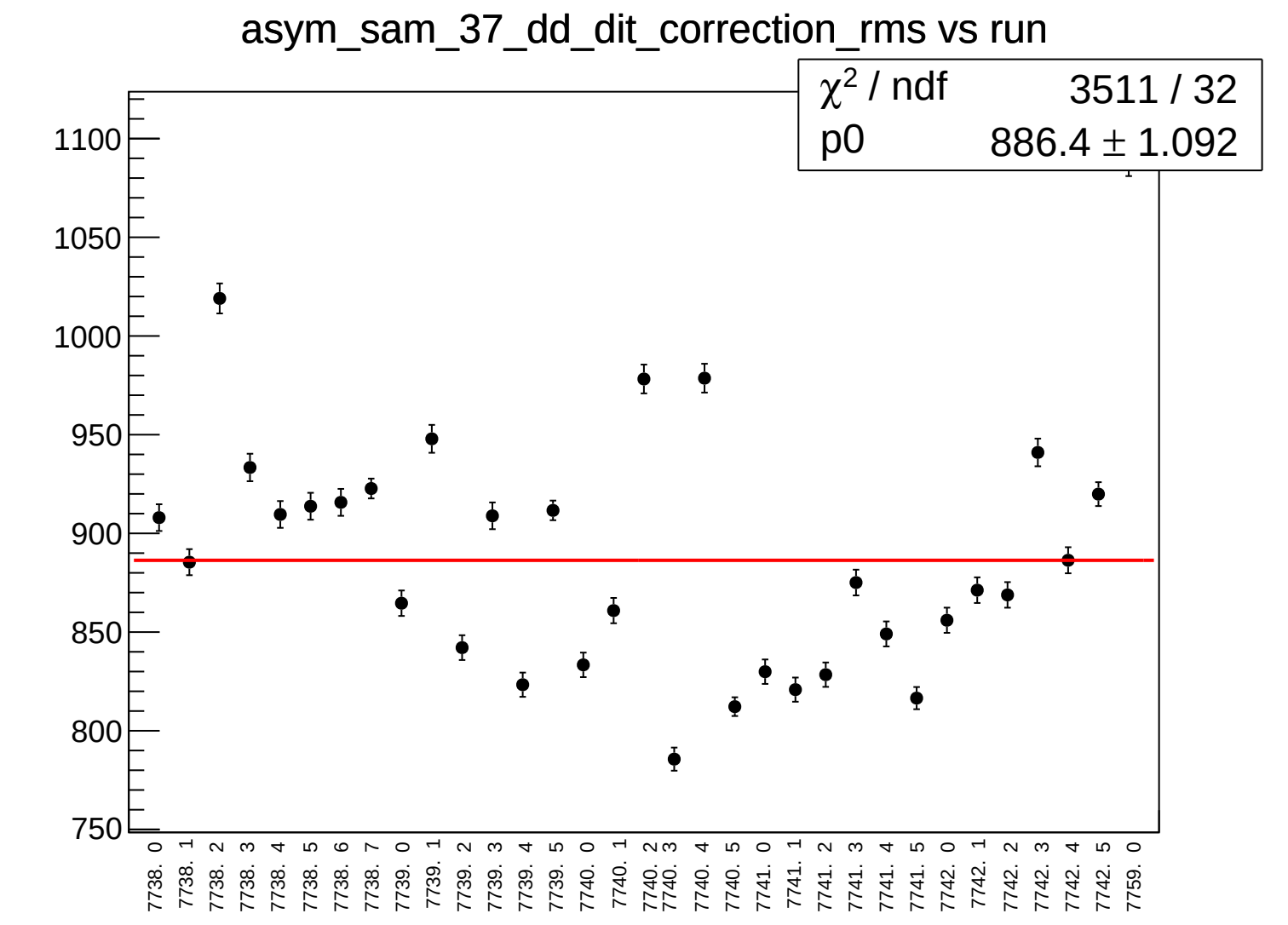

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.531e+04 / 32
p0 871 ± 1.091
1100
1000
900
800
700
600
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

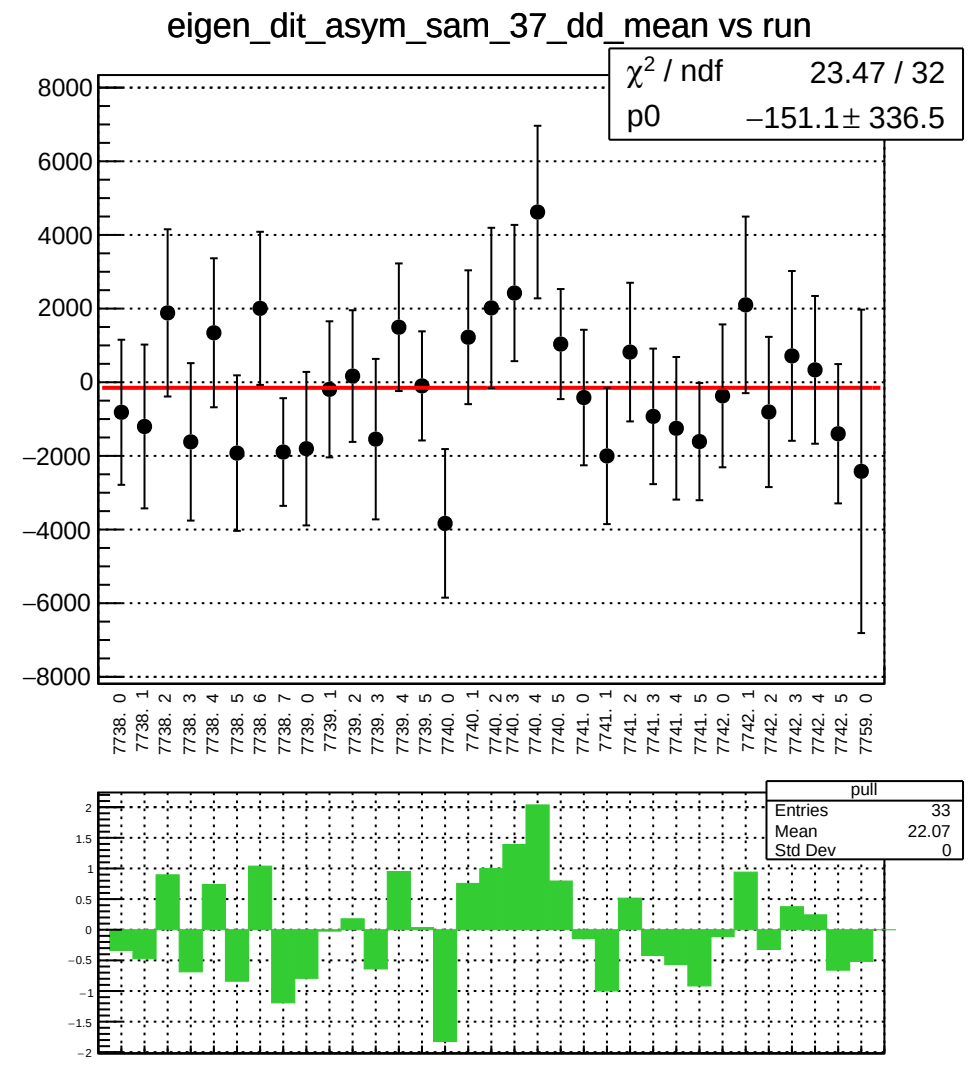

dit_asym_sam_37_dd_mean vs run
χ² / ndf 23.47 / 32
p0 −151.1± 336.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

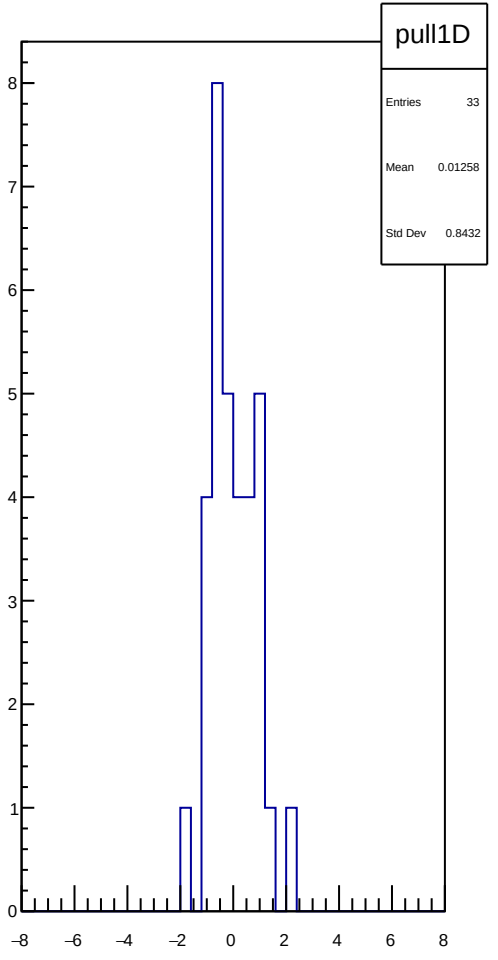

pull1D
Entries 33
Mean 0.01258
Std Dev 0.8432
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

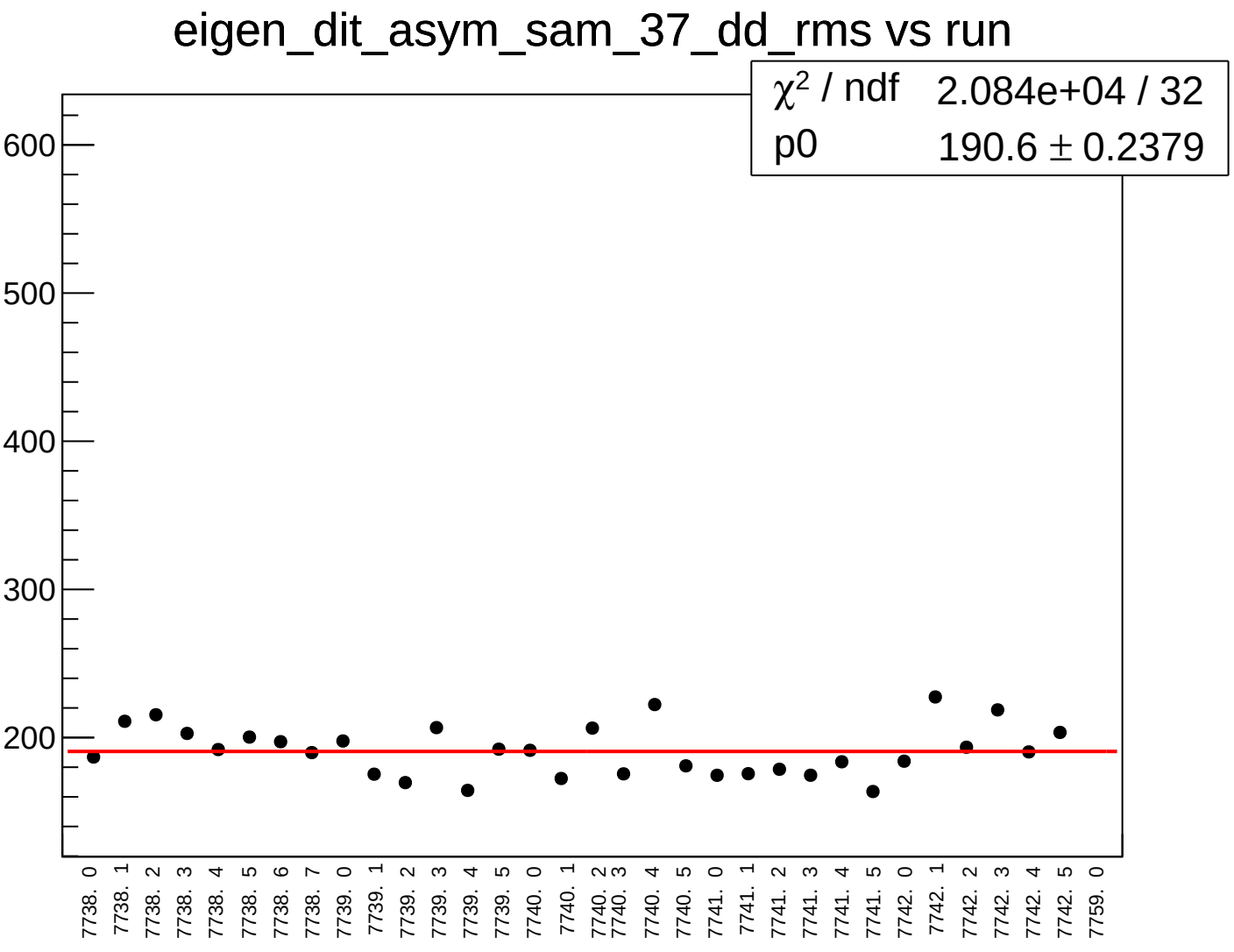

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.084e+04 / 32
p0 190.6 ± 0.2379
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

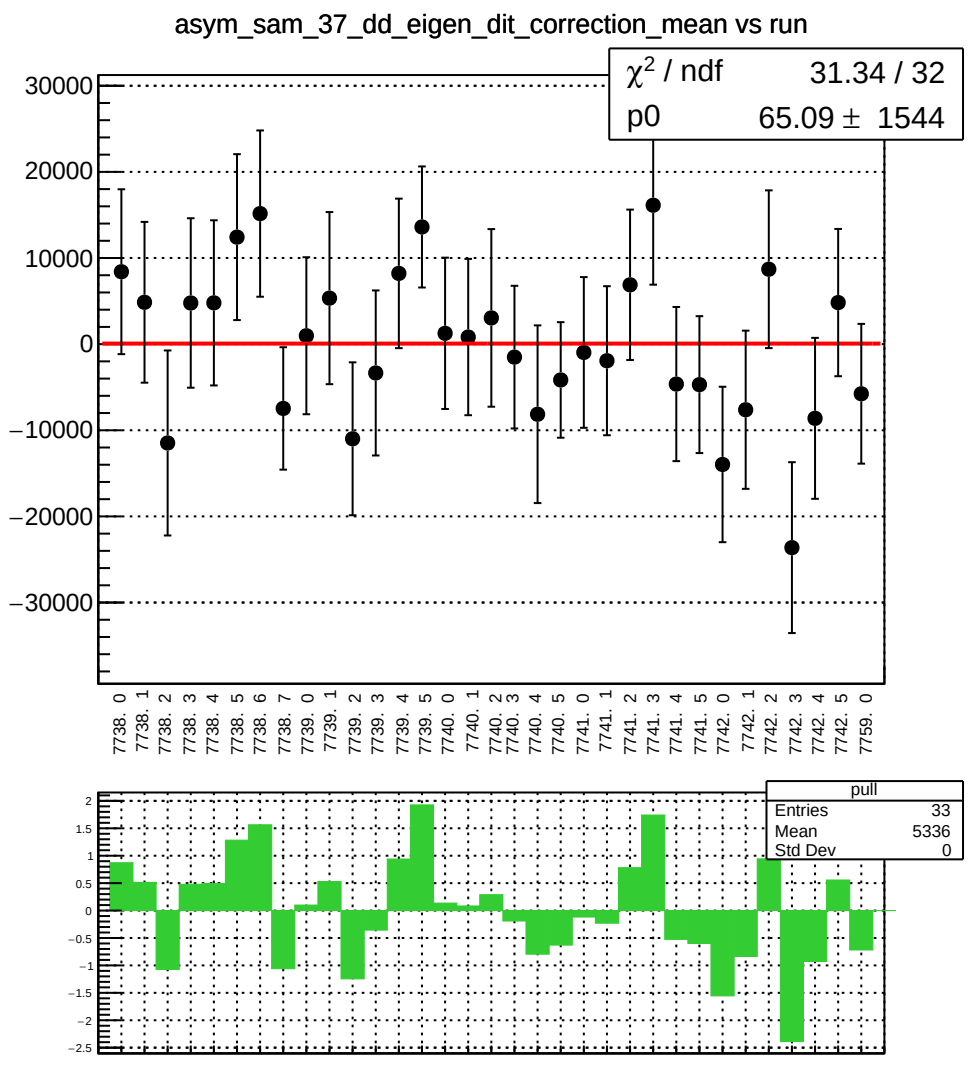

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 31.34 / 32
p0 65.09 ± 1544
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5336
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.0005854
Std Dev 0.9746
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

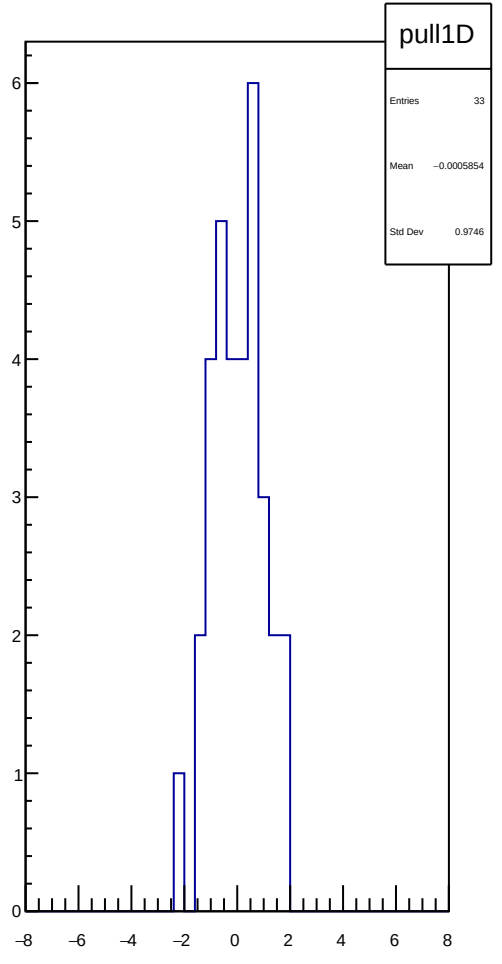

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 3511 / 32
p0 886.4 ± 1.092
1100
1050
1000
950
900
850
800
750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

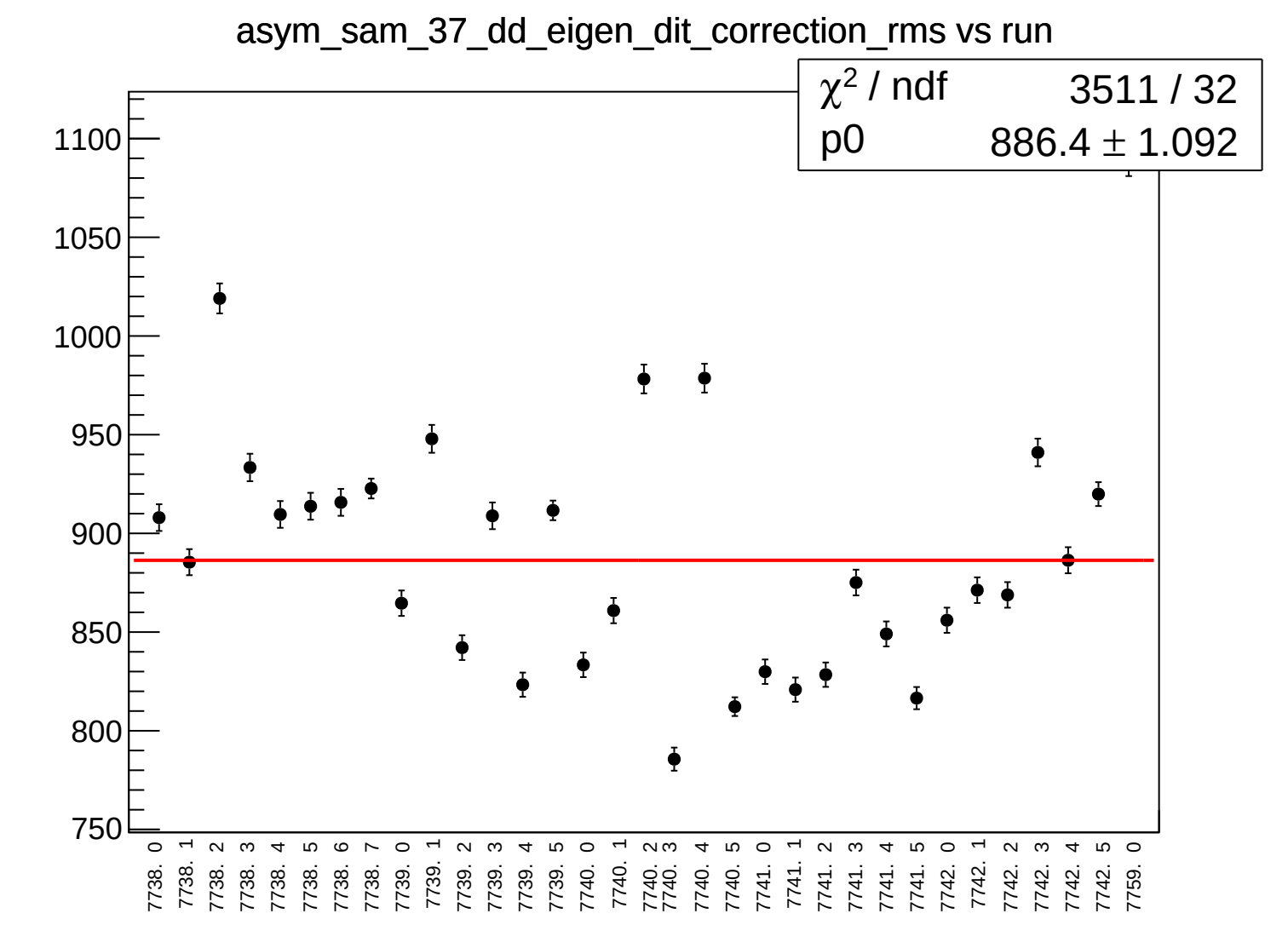

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 23.47 / 32
p0 −151.1± 336.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

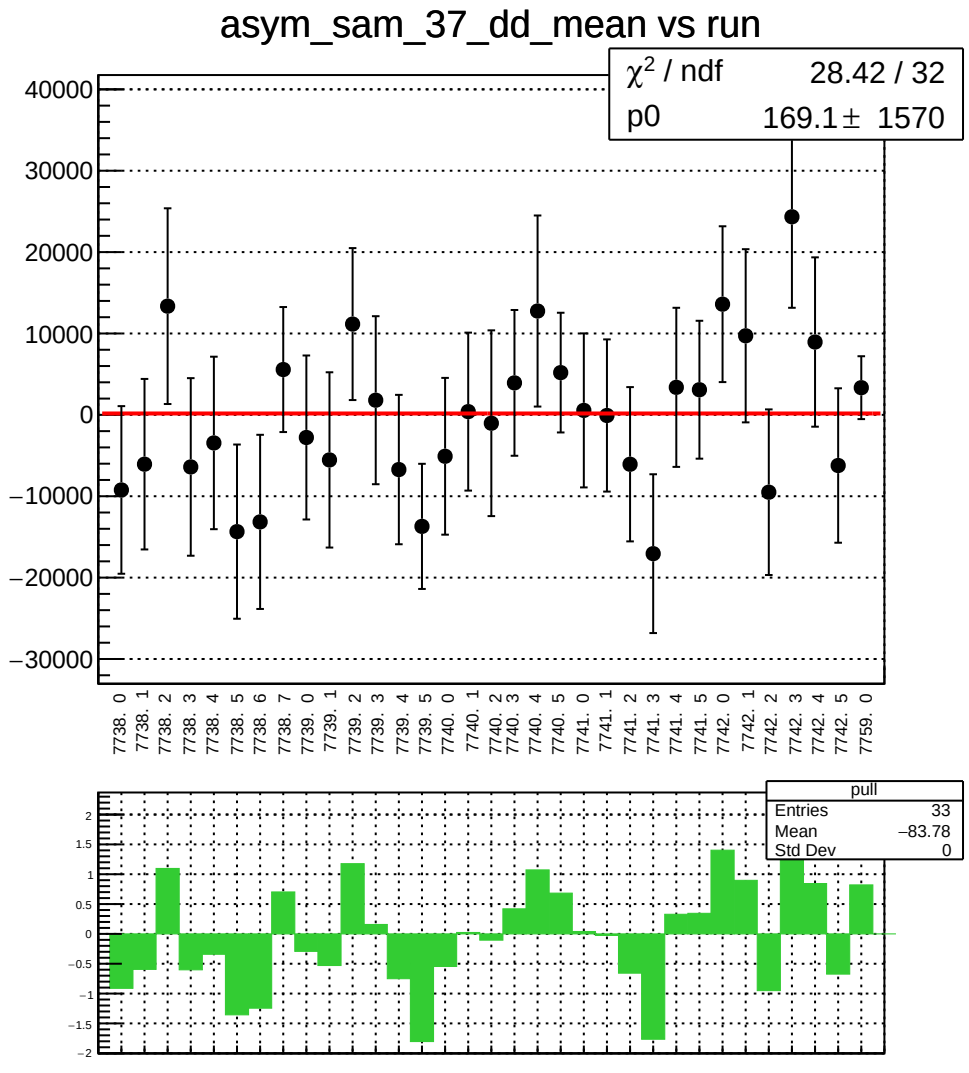

pull1D
Entries 33
Mean 0.01258
Std Dev 0.8432
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

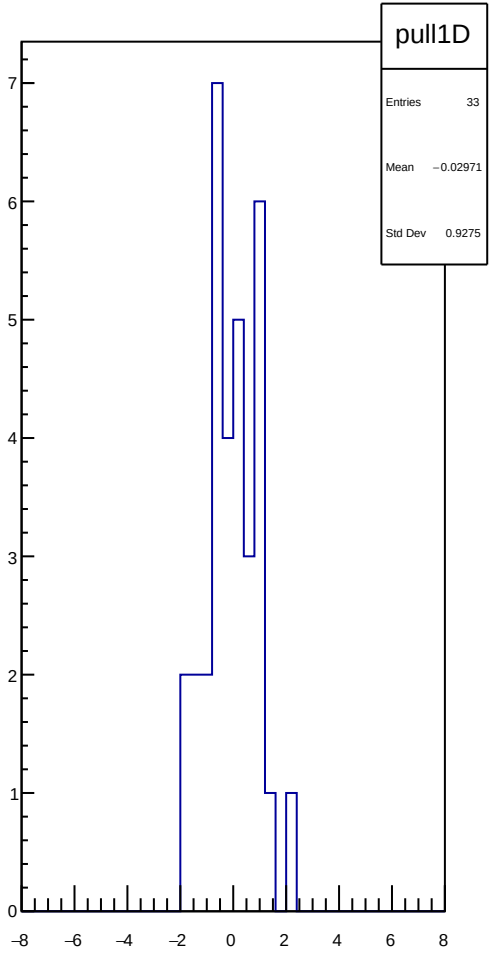

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.084e+04 / 32
p0 190.6 ± 0.2379
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

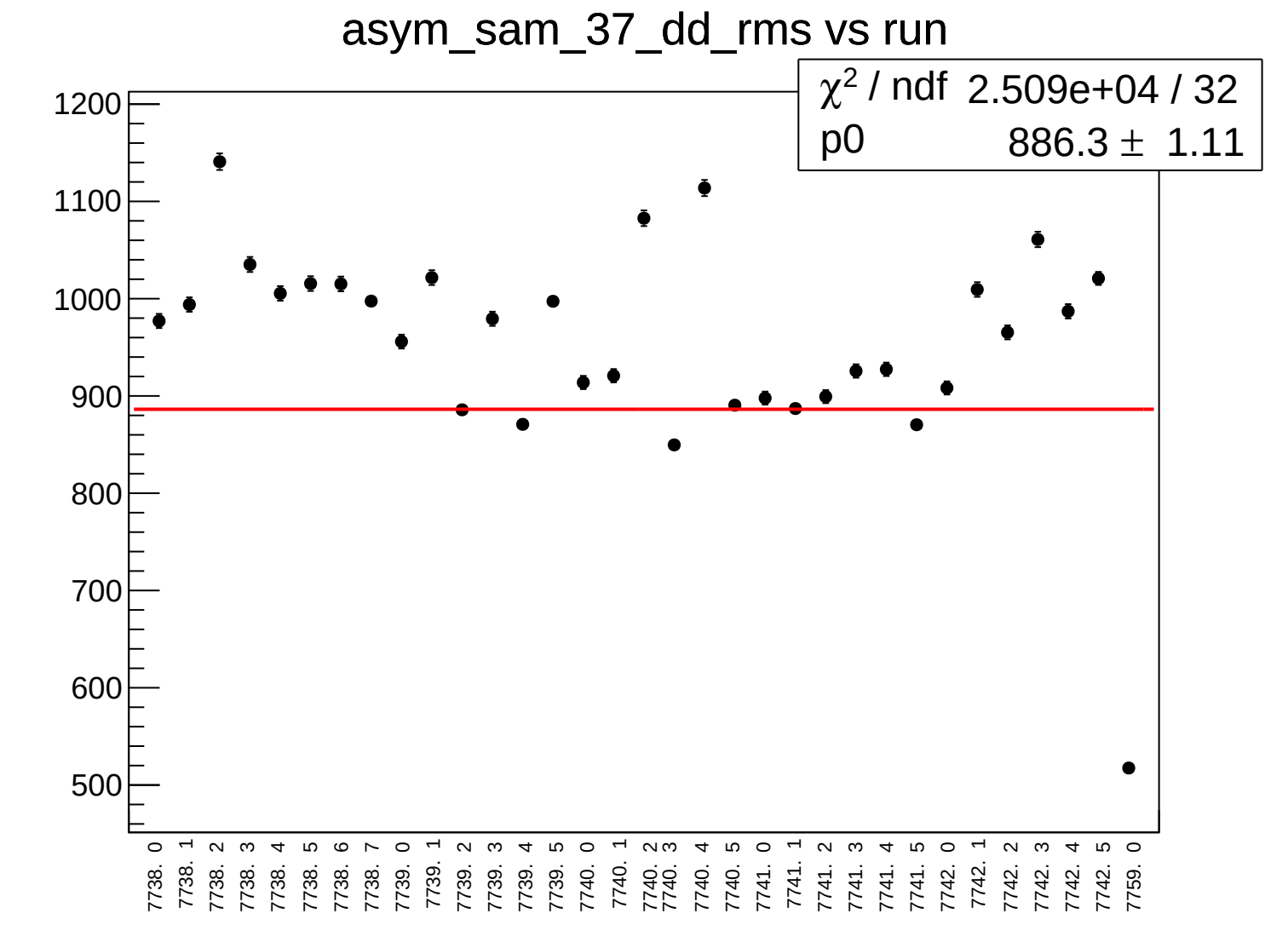

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 31.34 / 32
p0 65.09 ± 1544
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5336
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

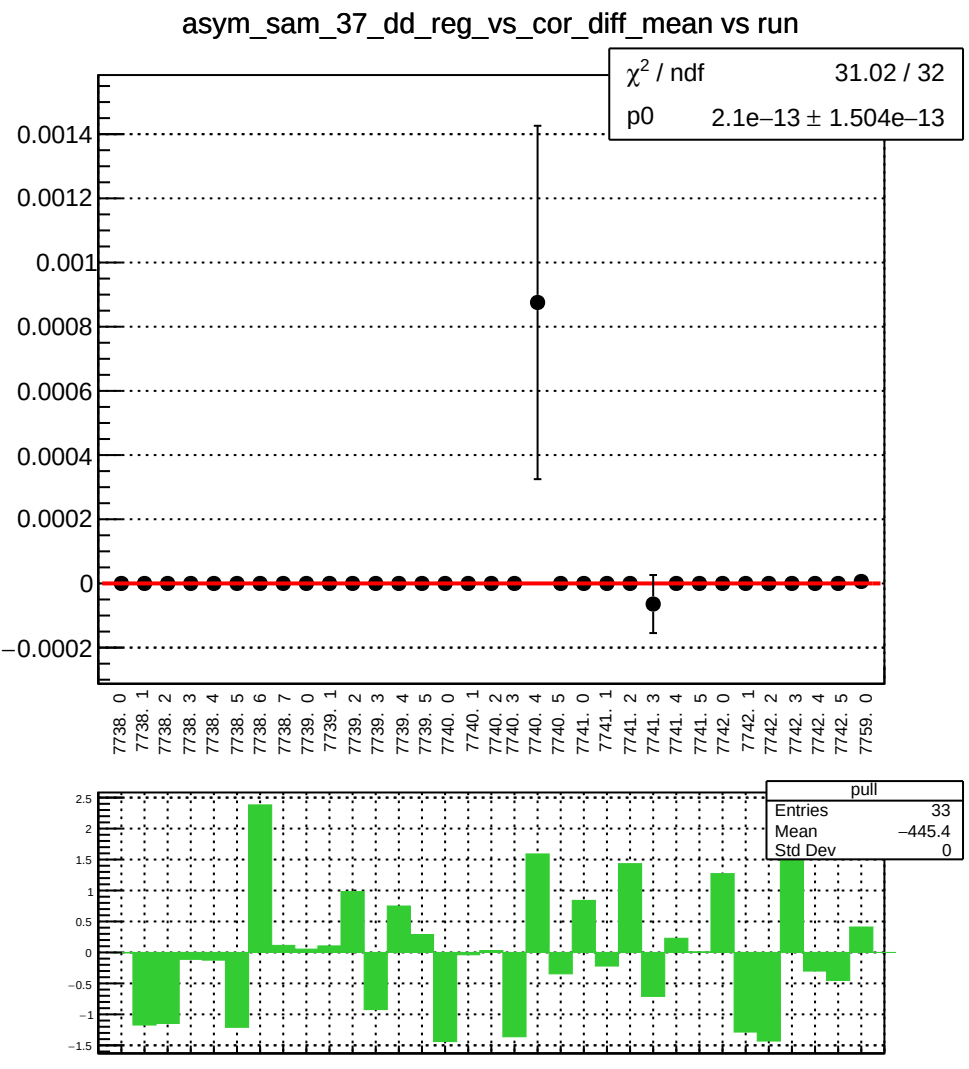

pull1D
Entries 33
Mean −0.0005854
Std Dev 0.9746
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

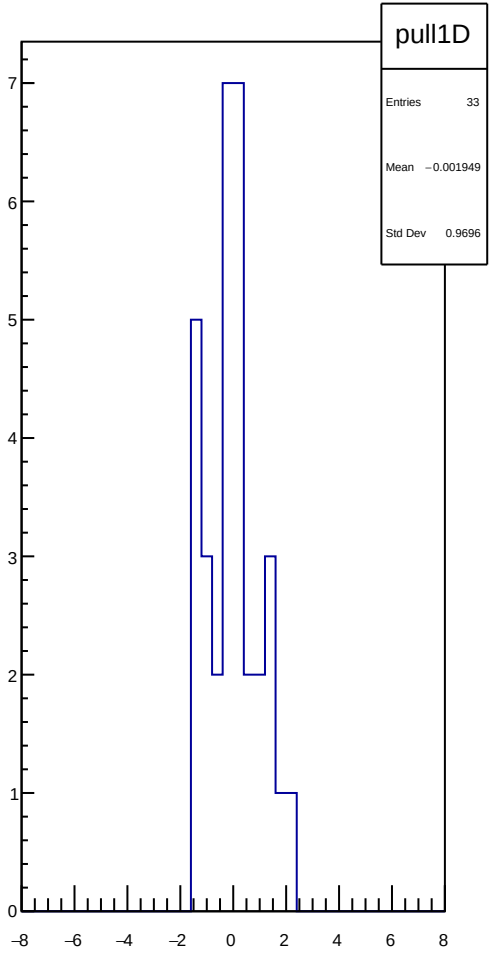

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3511 / 32
p0 886.4 ± 1.092
1100
1050
1000
950
900
850
800
750
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

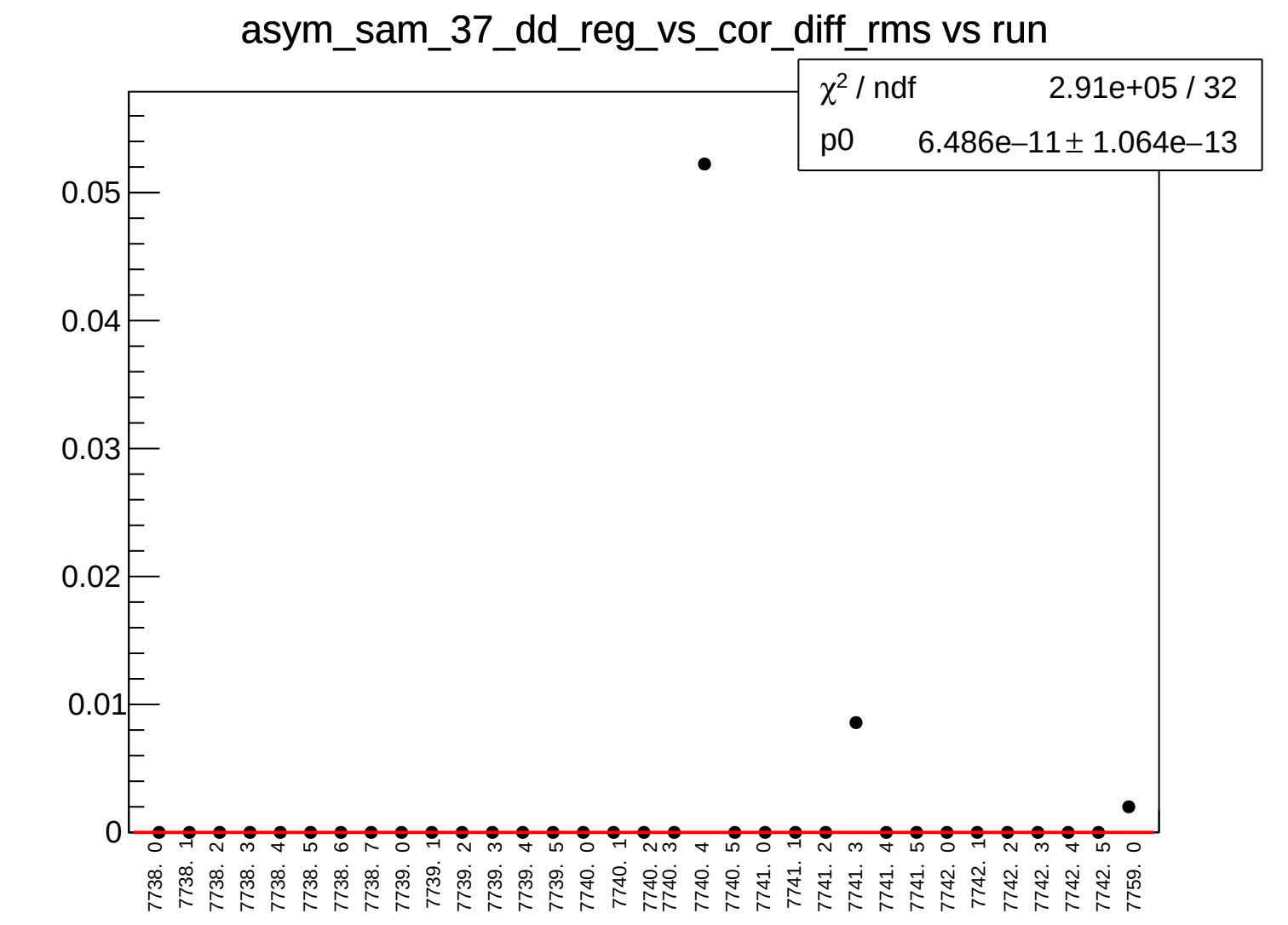

asym_sam_37_dd_mean vs run
χ² / ndf 28.42 / 32
p0 169.1± 1570
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −83.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

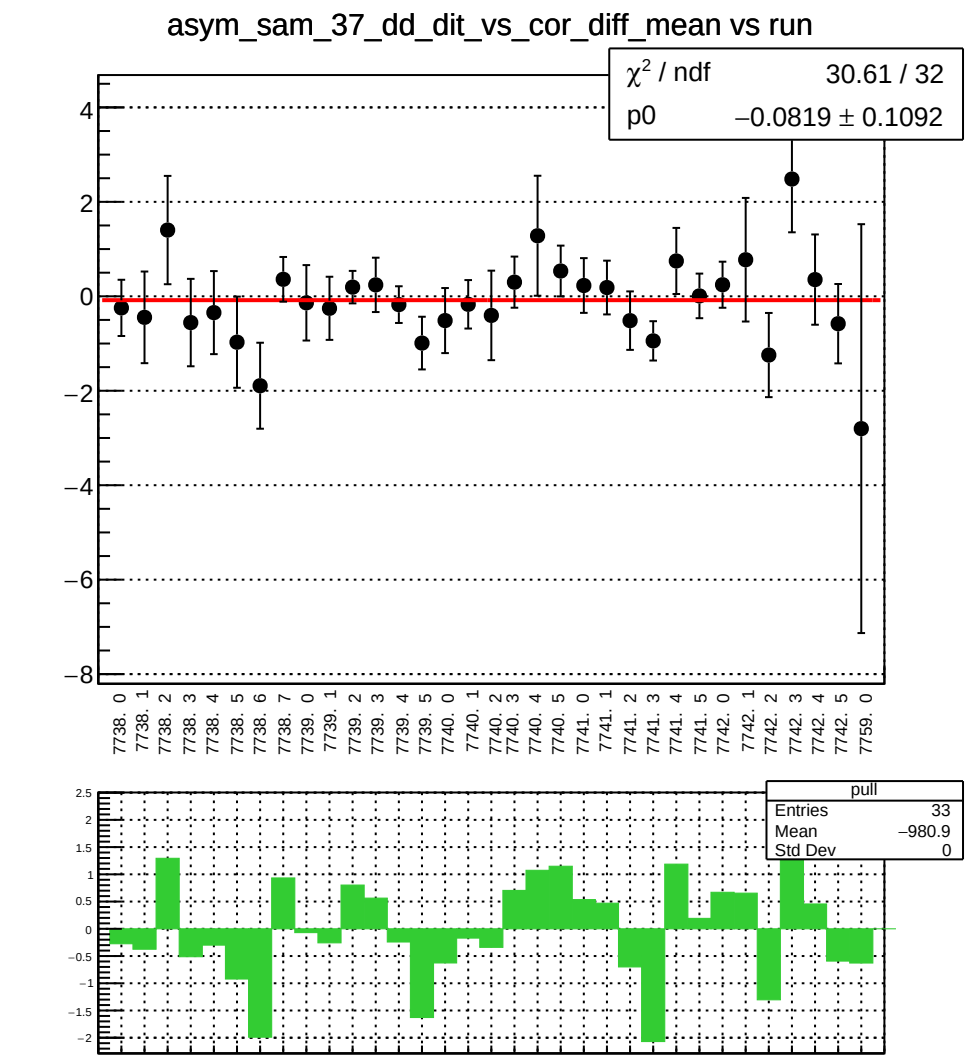

pull1D
Entries 33
Mean −0.02971
Std Dev 0.9275
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

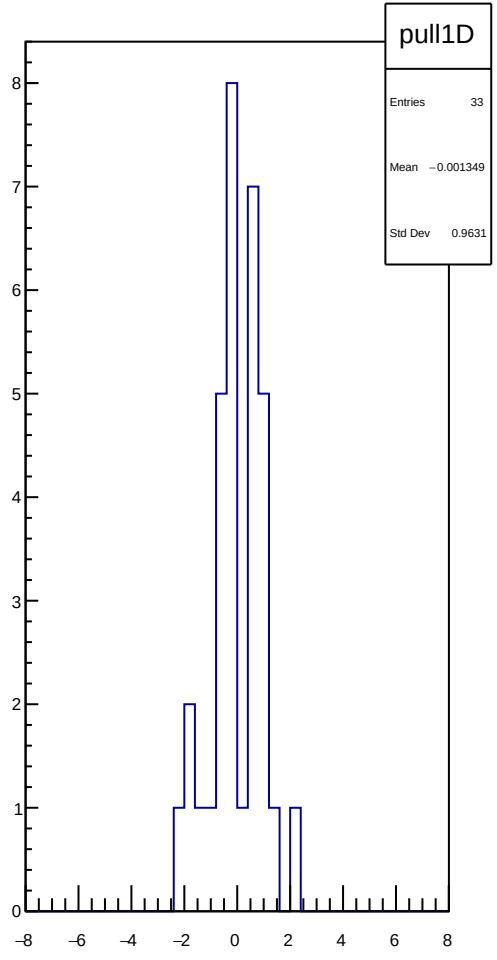

asym_sam_37_dd_rms vs run
χ² / ndf 2.509e+04 / 32
p0 886.3 ± 1.11
1200
1100
1000
900
800
700
600
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

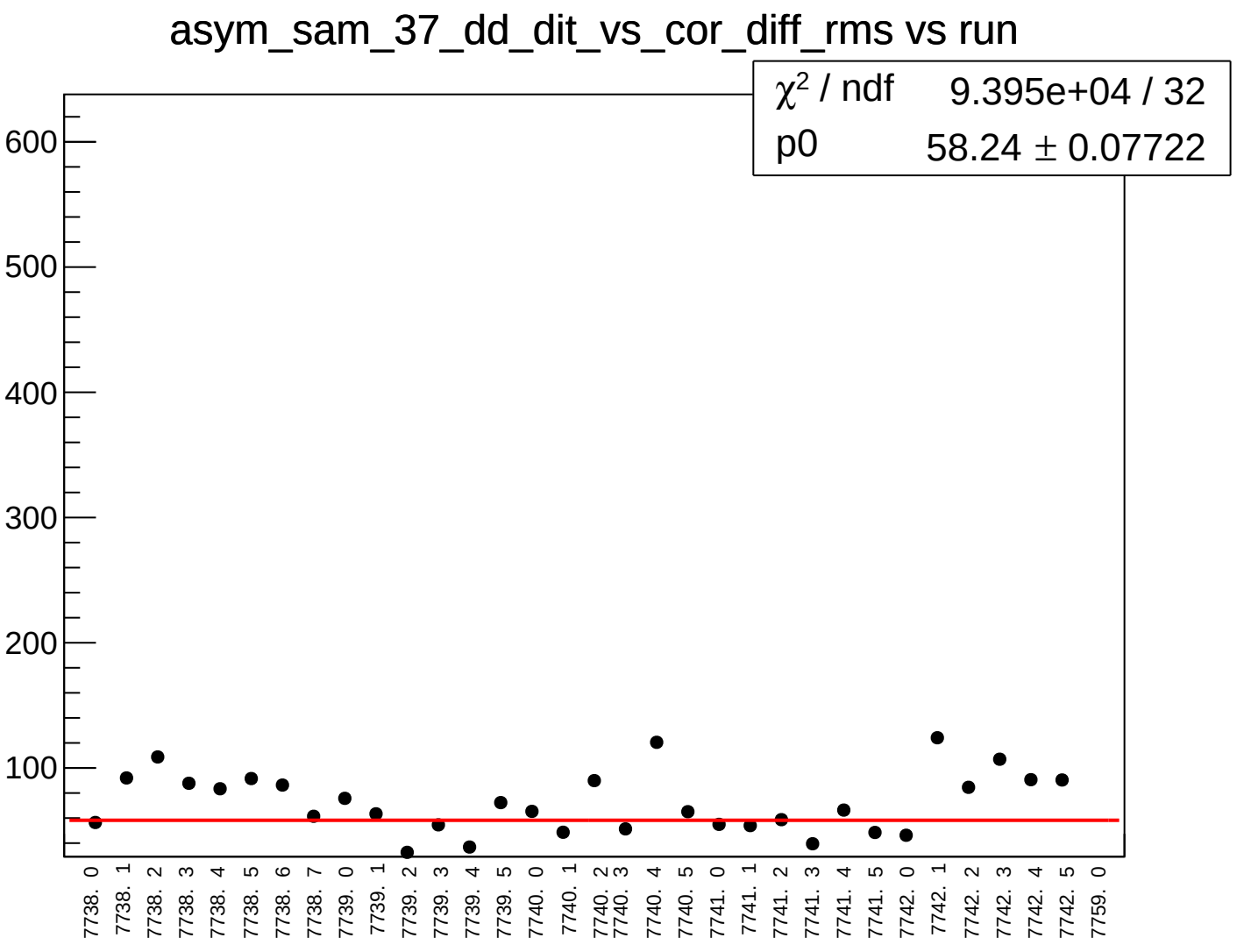

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.02 / 32
p0 2.1e−13 ± 1.504e−13
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −445.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

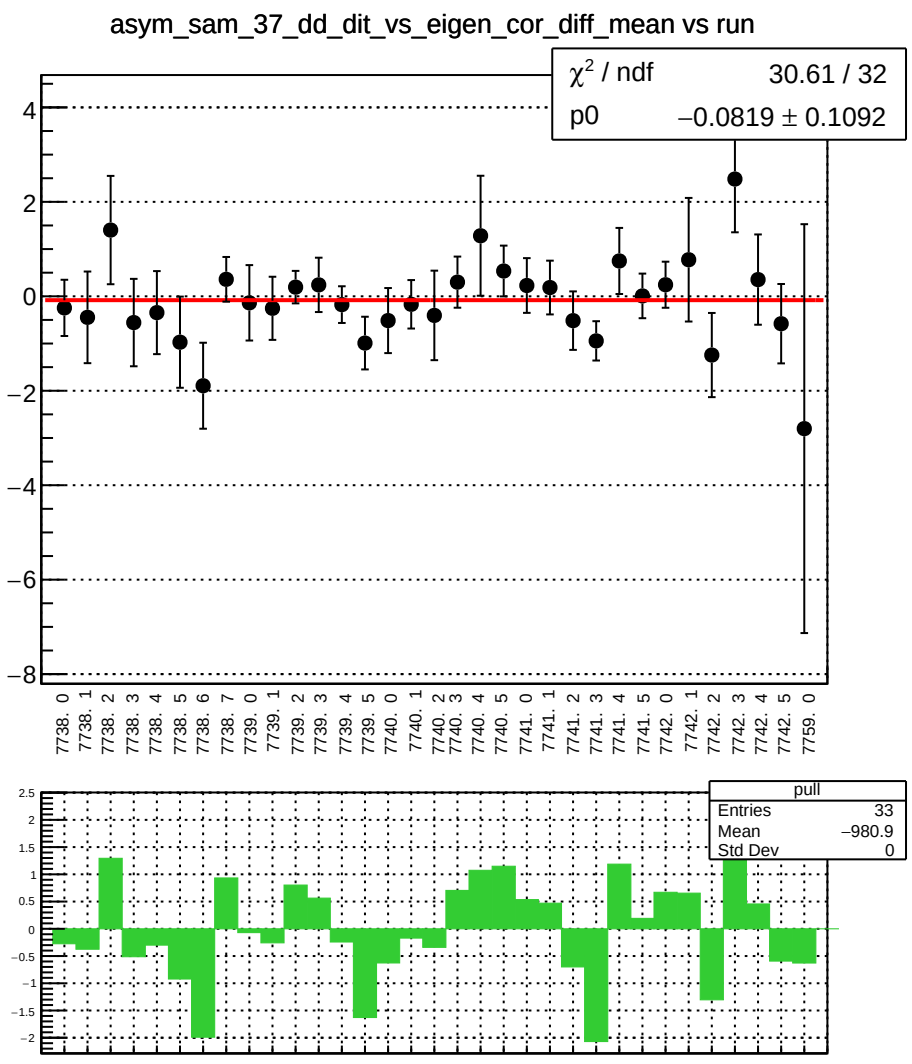

pull1D
Entries 33
Mean −0.001949
Std Dev 0.9696
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

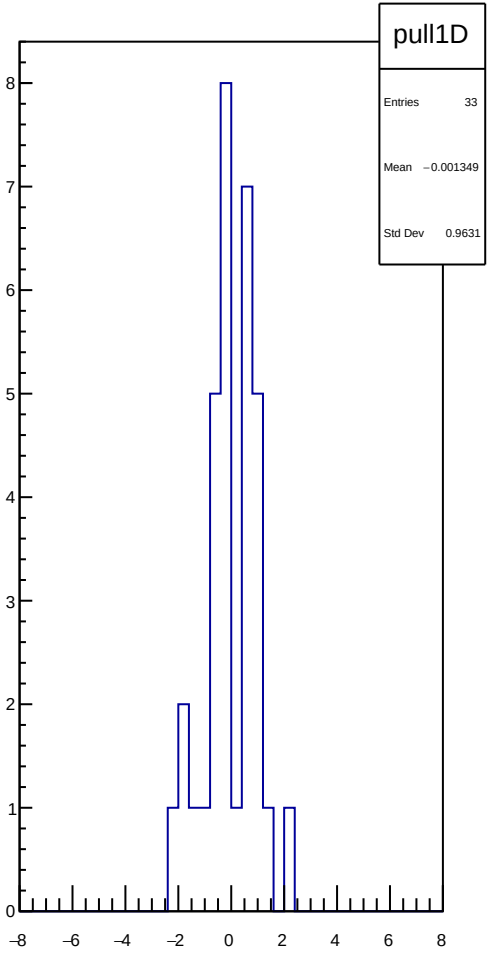

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.91e+05 / 32
p0 6.486e−11 ± 1.064e−13
0.05
0.04
0.03
0.02
0.01
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

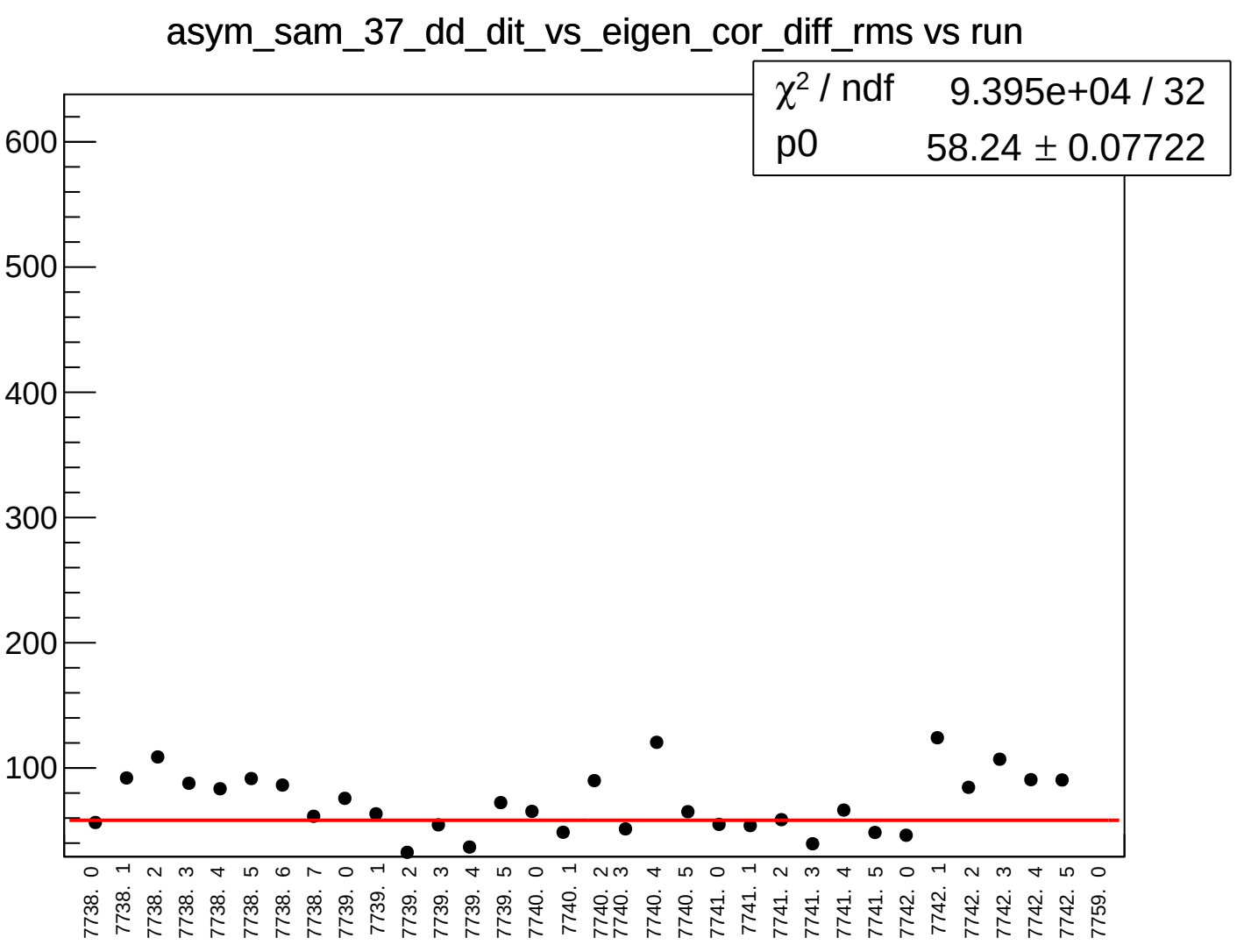

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 30.61 / 32
p0 −0.0819 ± 0.1092
pull
Entries 33
Mean −980.9
Std Dev 0

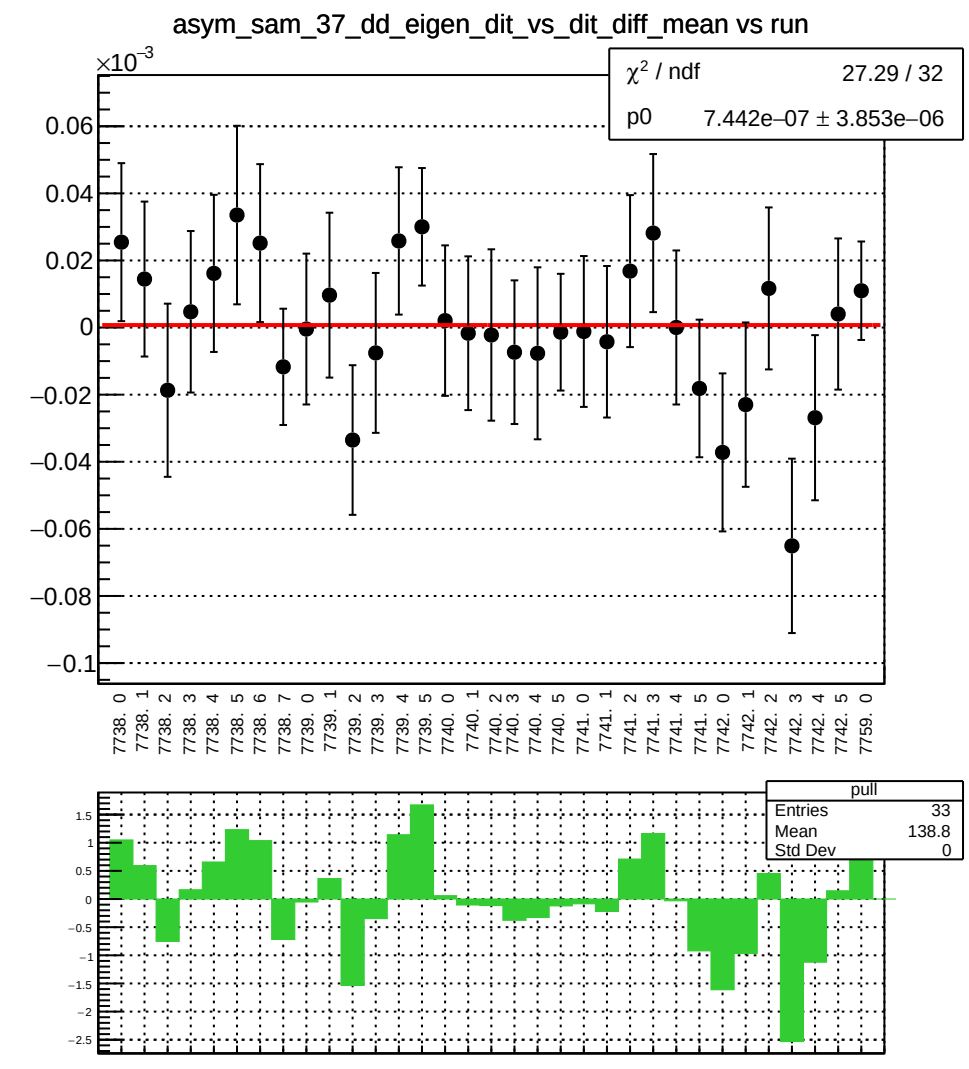

pull1D
Entries 33
Mean −0.001349
Std Dev 0.9631

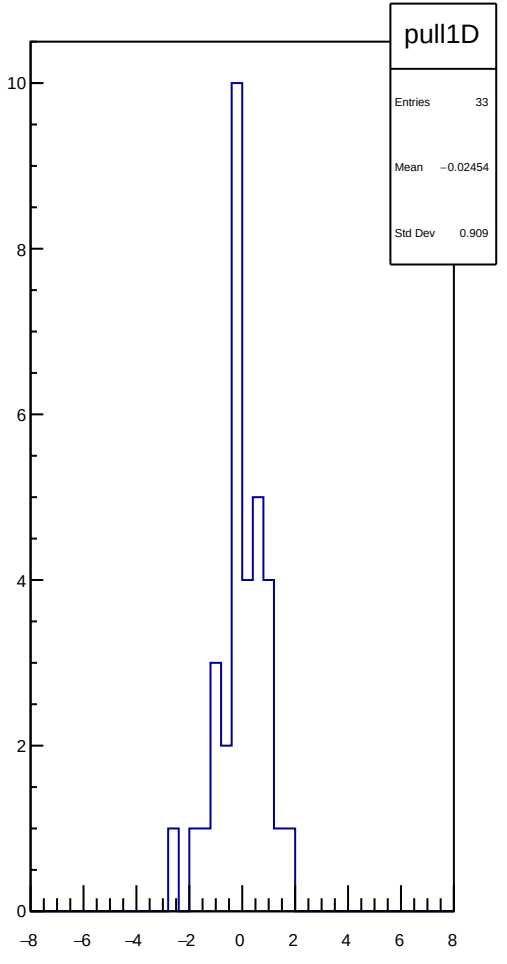

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.395e+04 / 32
p0 58.24 ± 0.07722
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

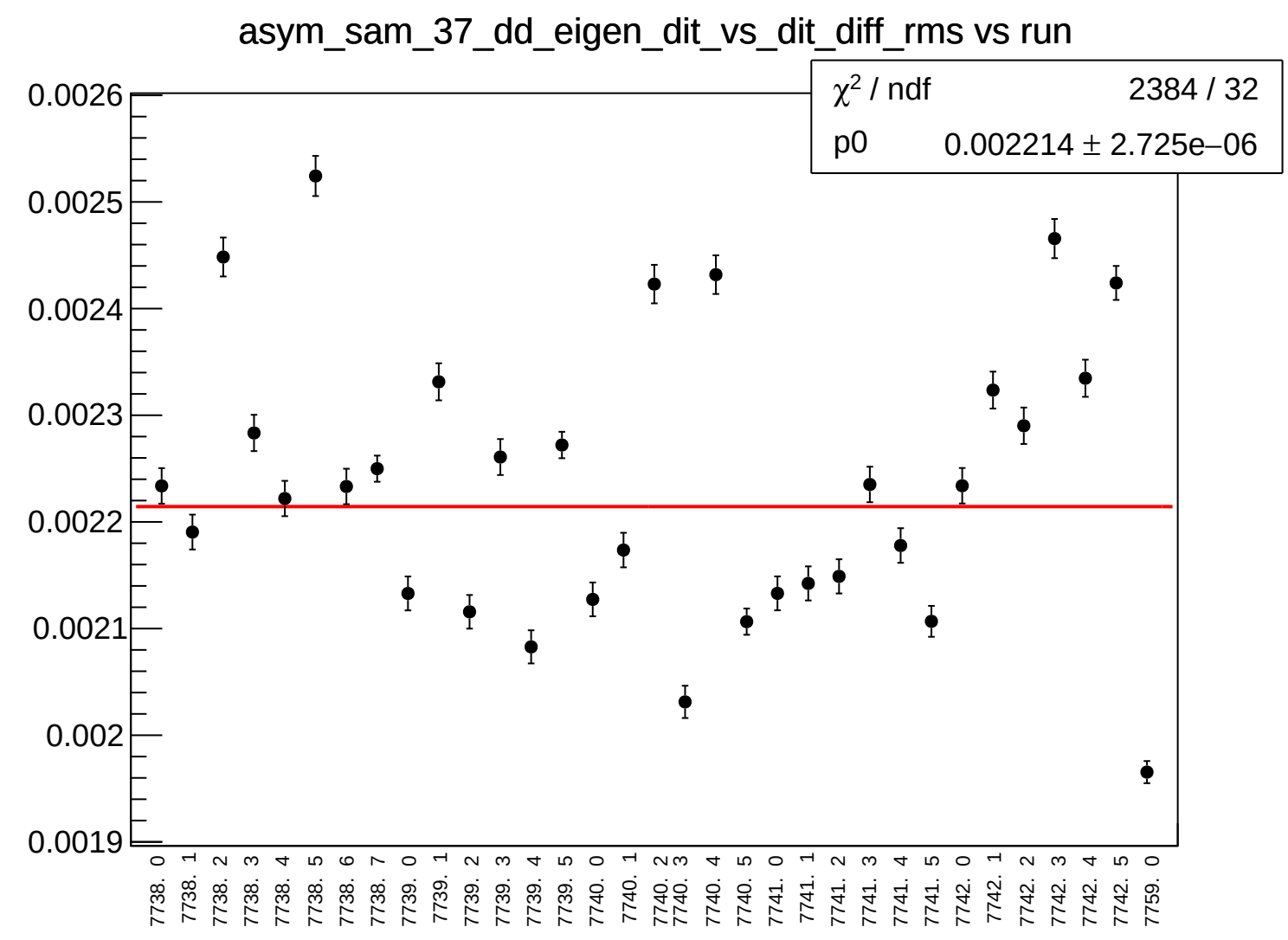

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.61 / 32
p0 −0.0819 ± 0.1092
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −980.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

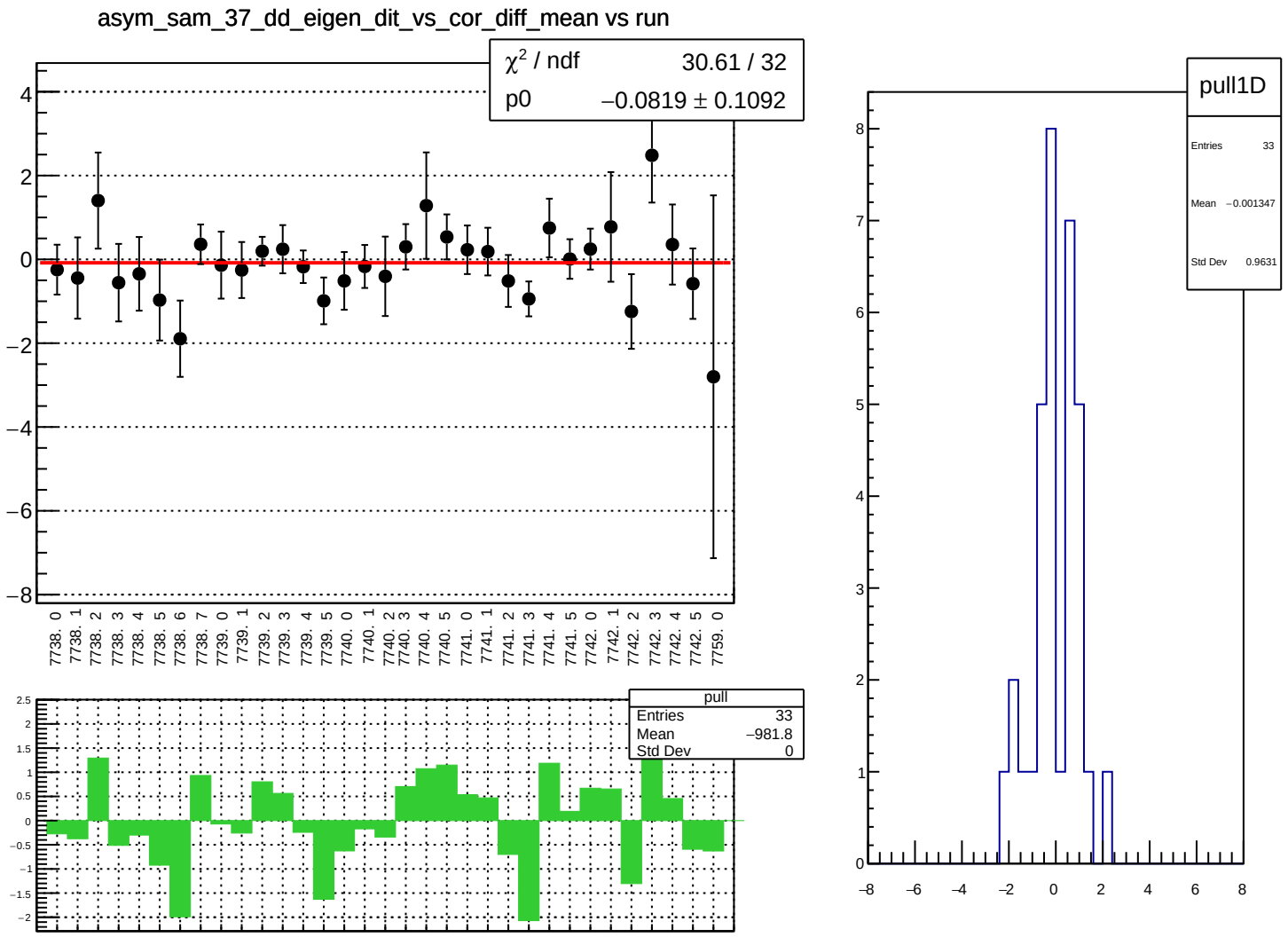

pull1D
Entries 33
Mean −0.001349
Std Dev 0.9631
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

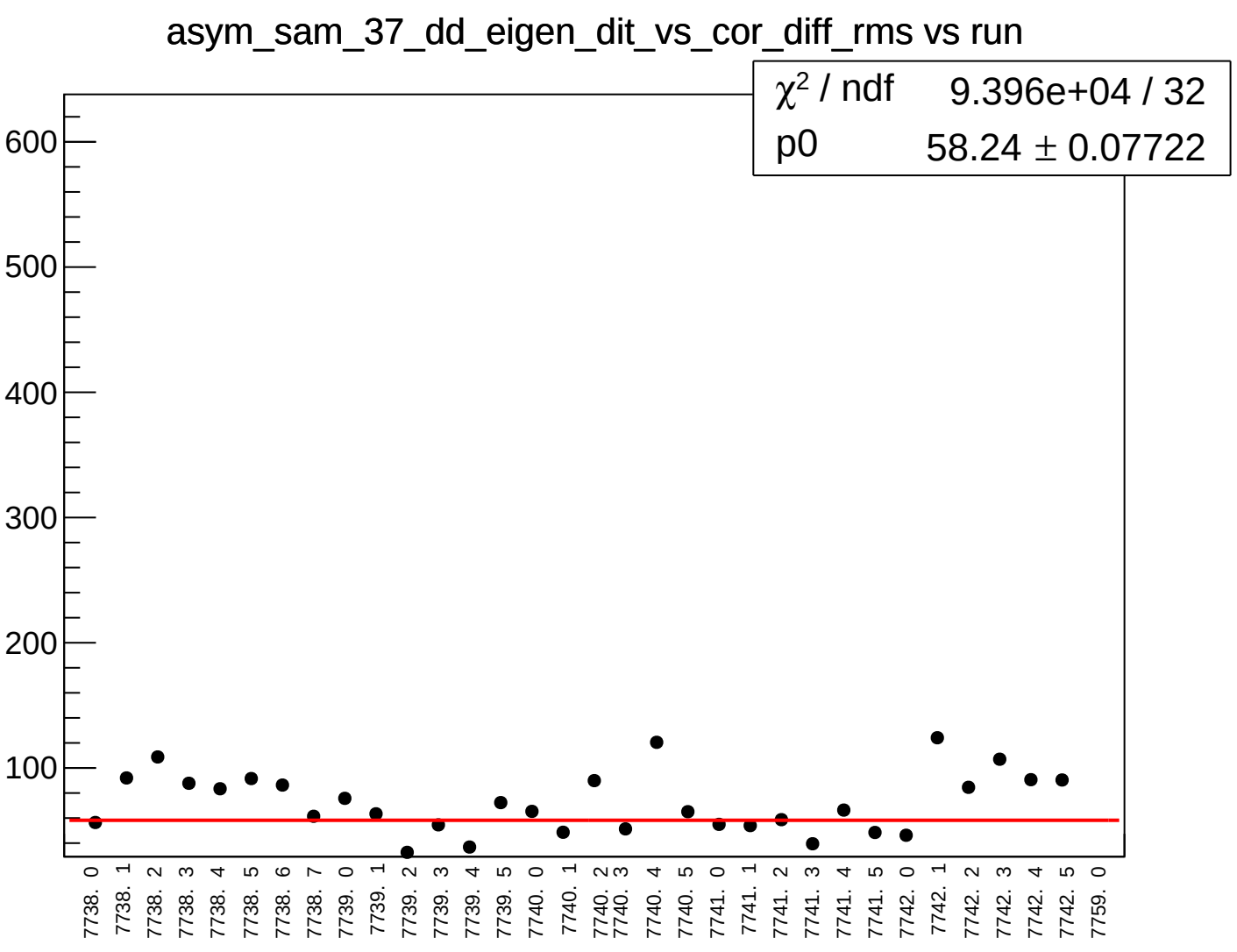

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.395e+04 / 32
p0 58.24 ± 0.07722
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

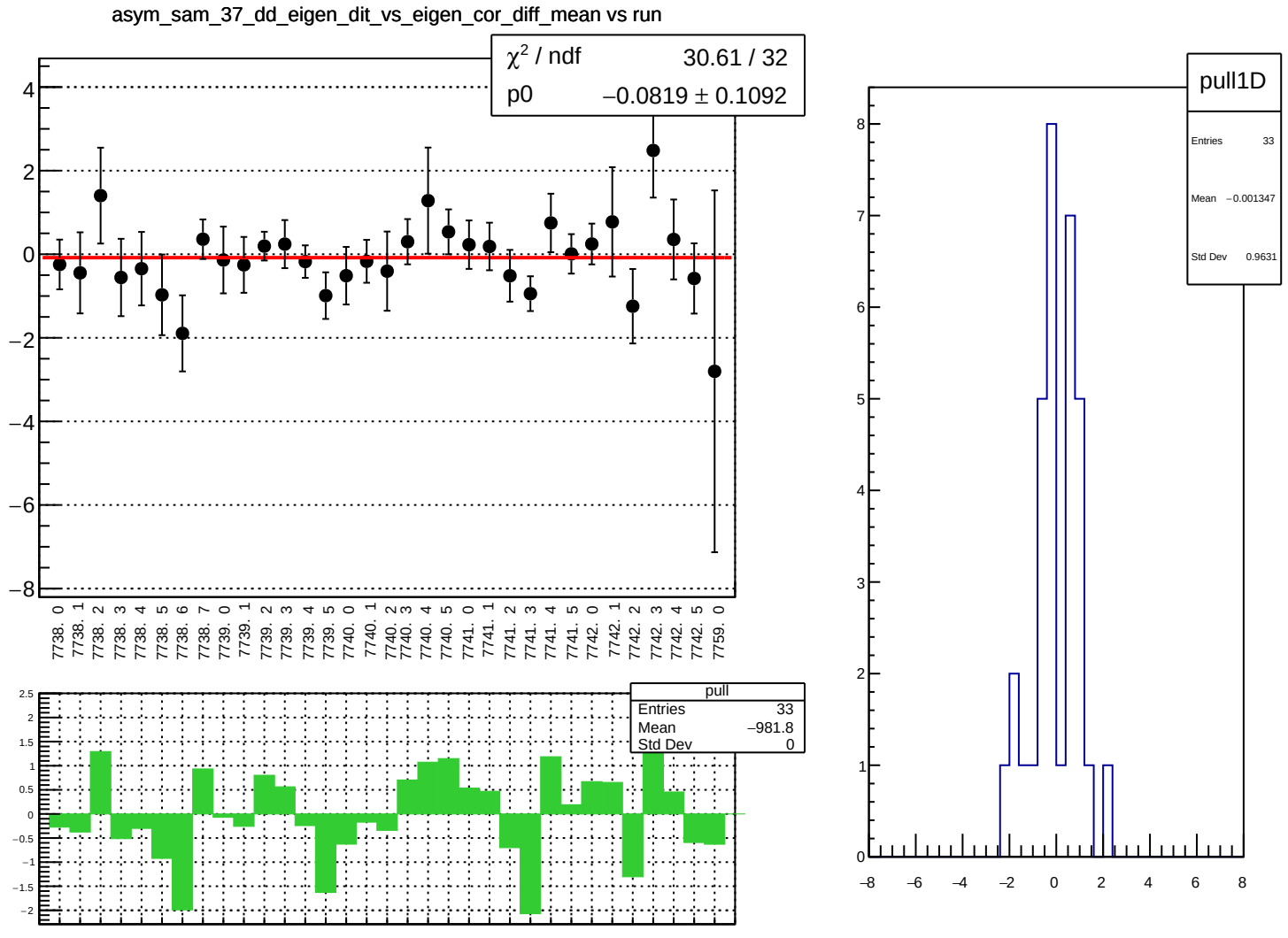

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.29 / 32
p0 7.442e−07 ± 3.853e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 138.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

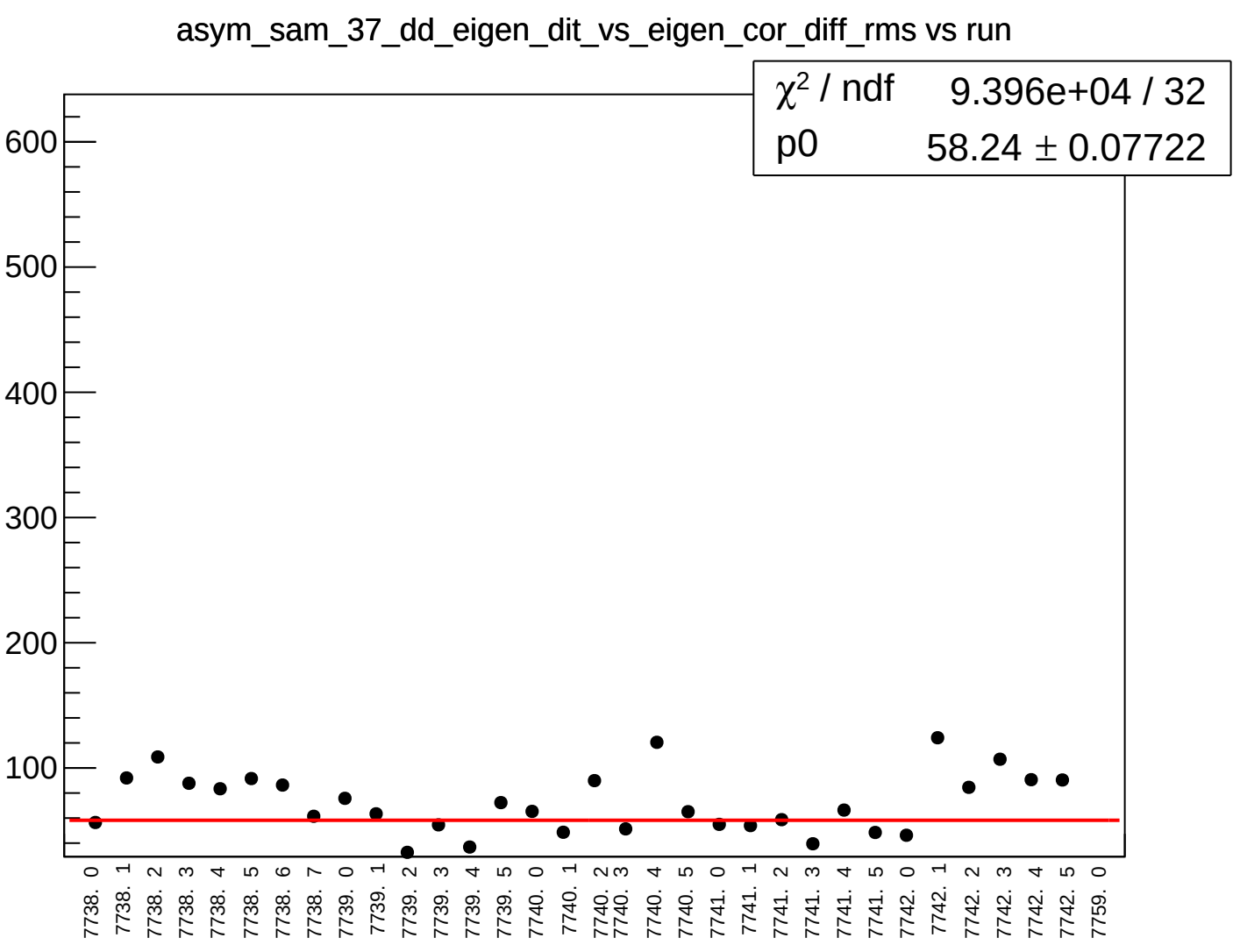

pull1D
Entries 33
Mean −0.02454
Std Dev 0.909
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

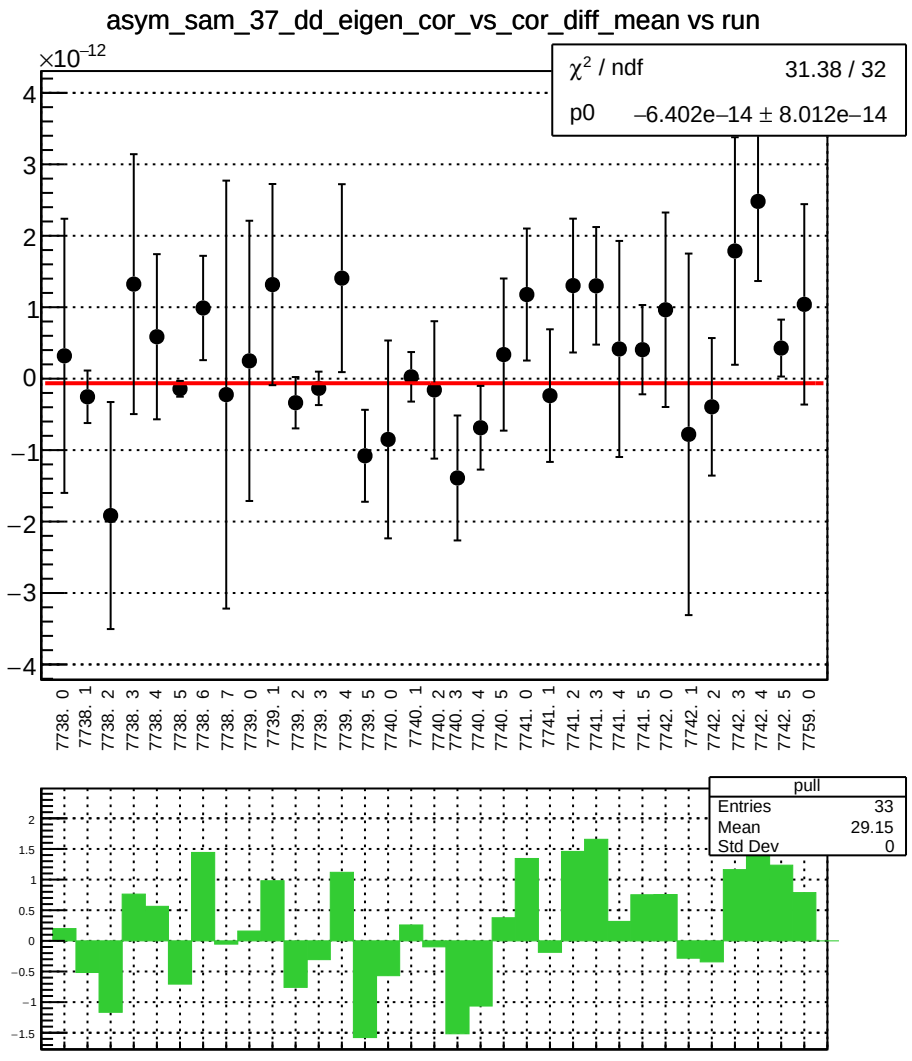

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2384 / 32
p0 0.002214 ± 2.725e−06
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

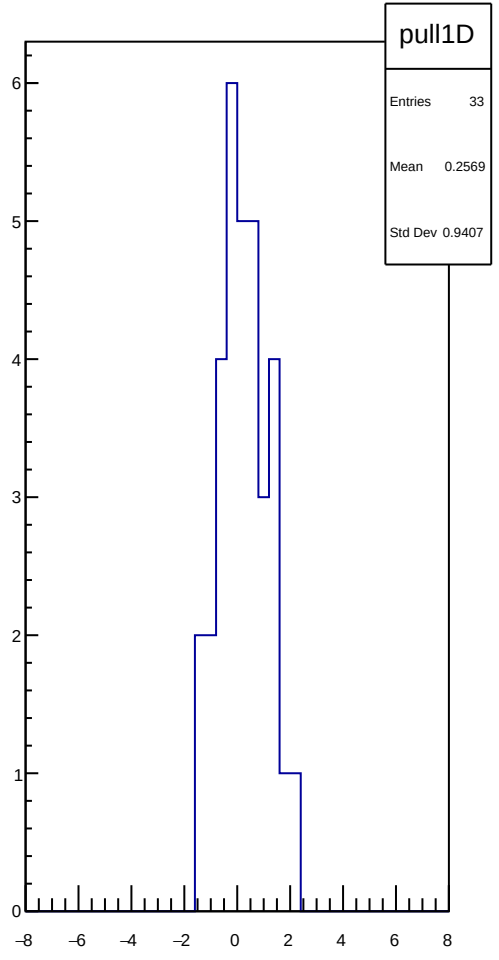

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.61 / 32
p0 −0.0819 ± 0.1092
pull
Entries 33
Mean −981.8
Std Dev 0
pull1D
Entries 33
Mean −0.001347
Std Dev 0.9631

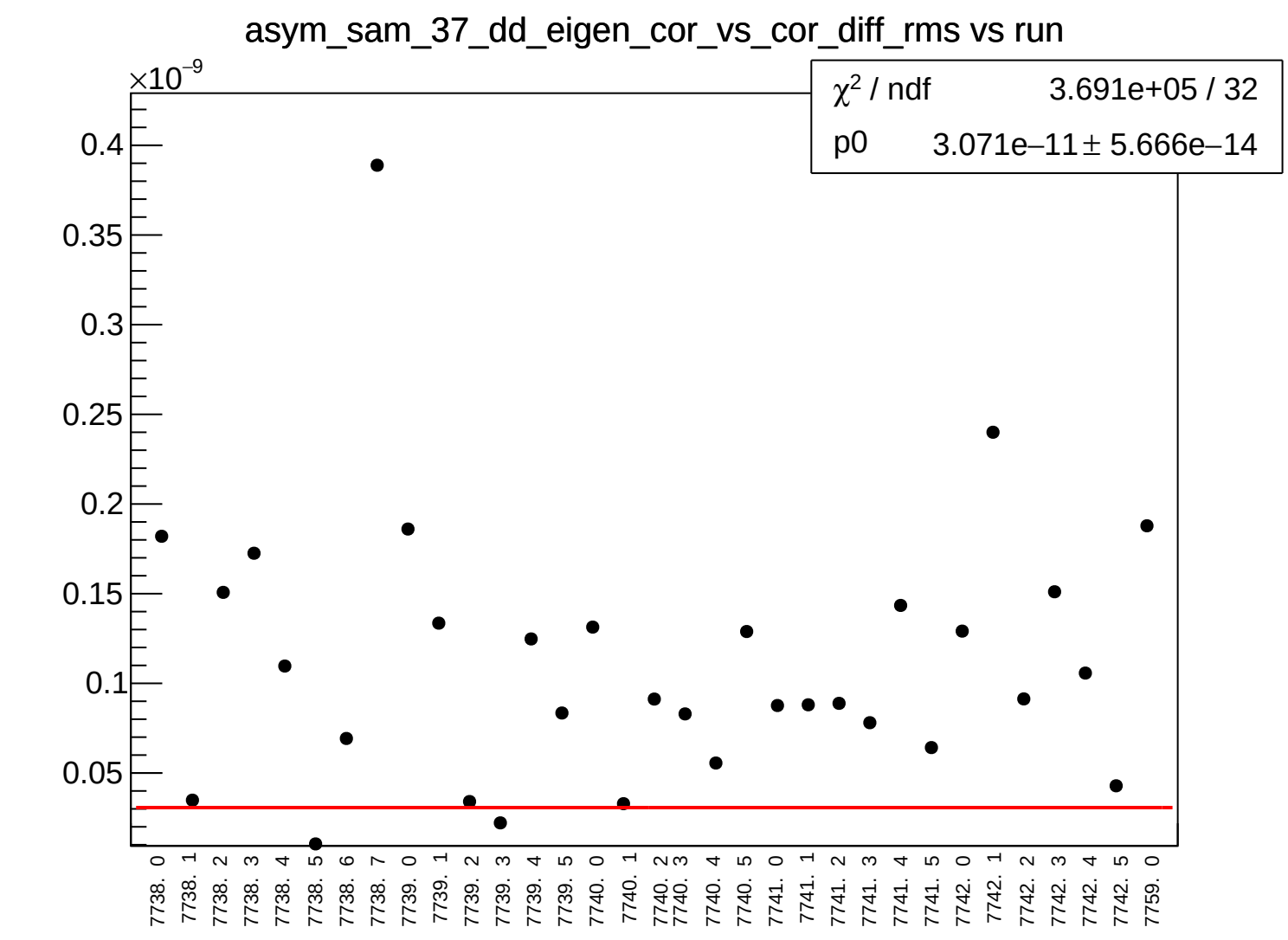

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.396e+04 / 32
p0 58.24 ± 0.07722
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

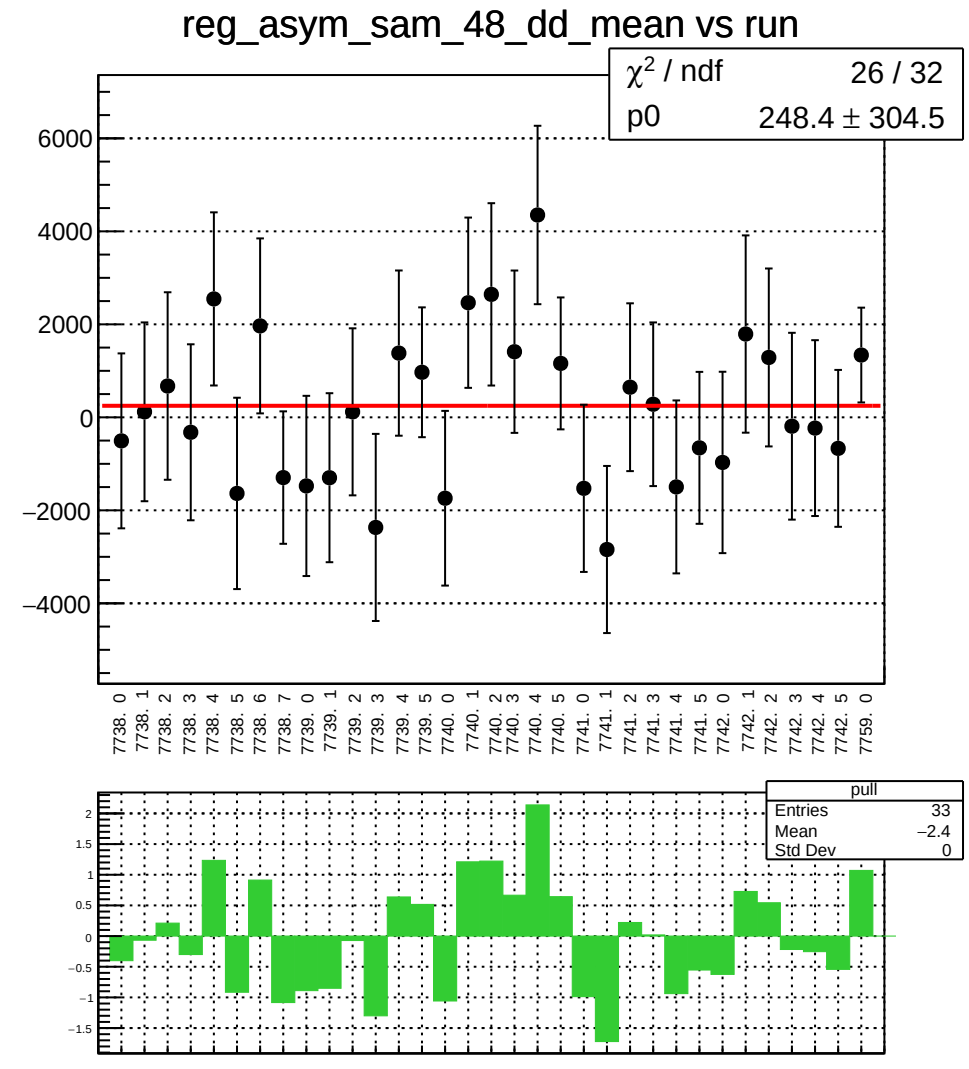

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.61 / 32
p0 −0.0819 ± 0.1092
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −981.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.001347
Std Dev 0.9631
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

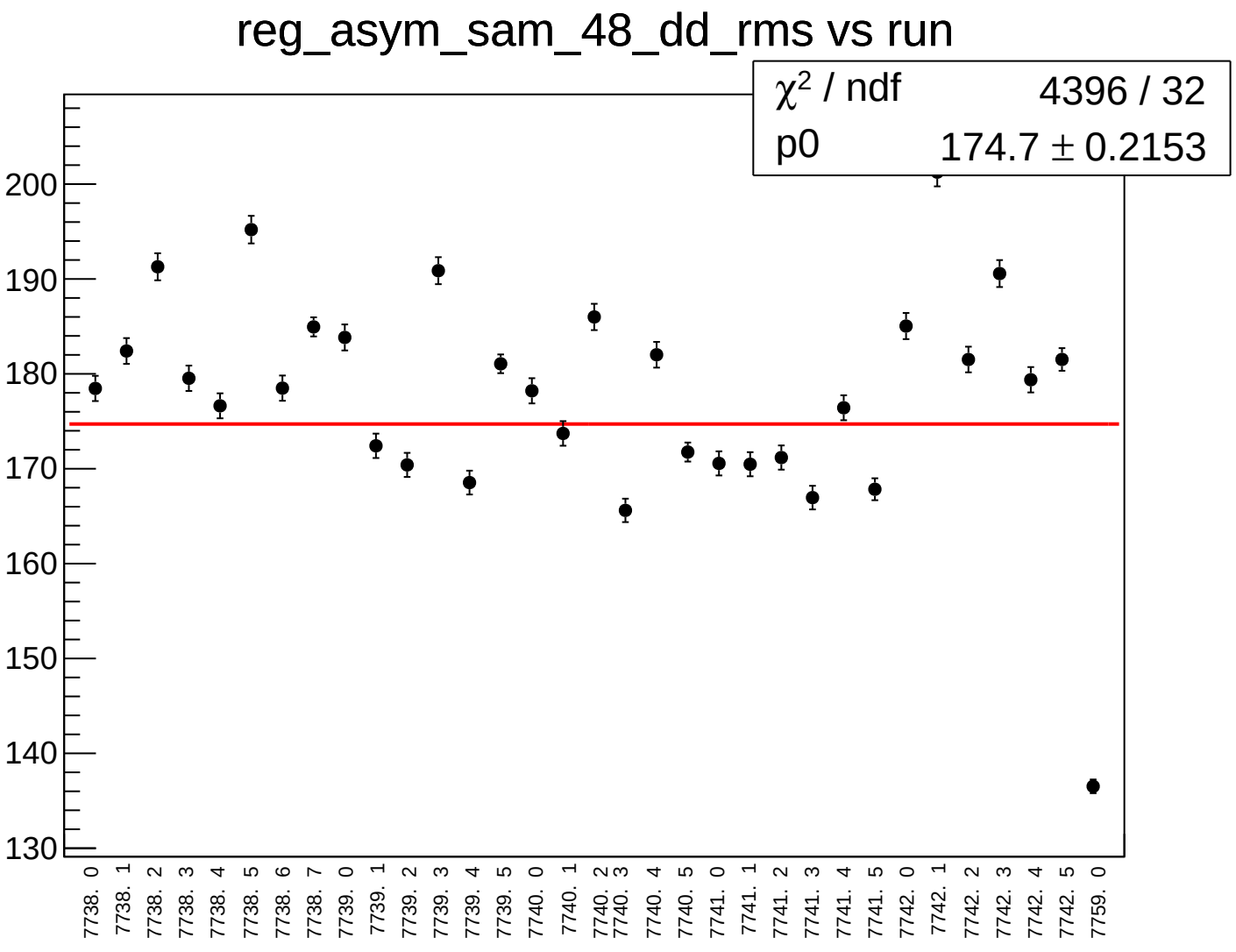

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.396e+04 / 32
p0 58.24 ± 0.07722
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

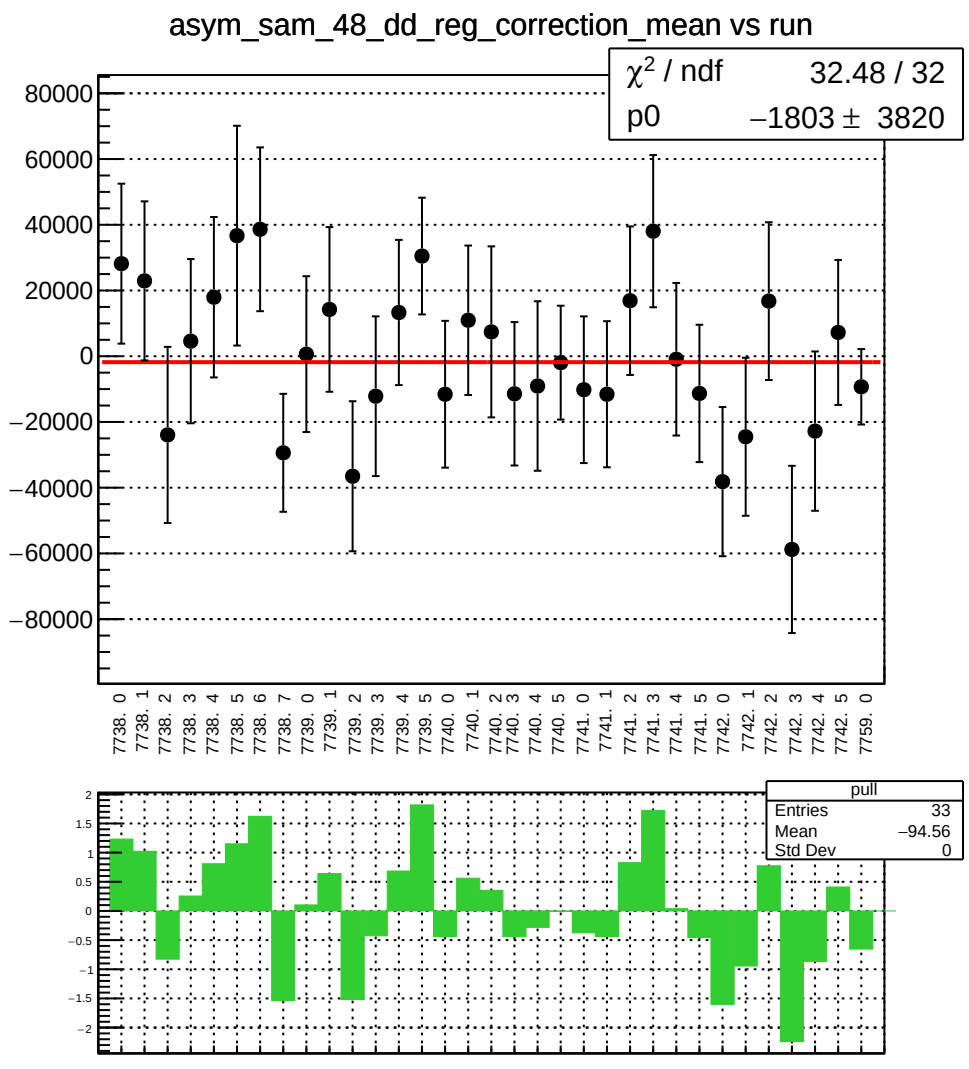

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 31.38 / 32
p0 −6.402e−14 ± 8.012e−14
4
3
2
1
0
−1
−2
−3
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

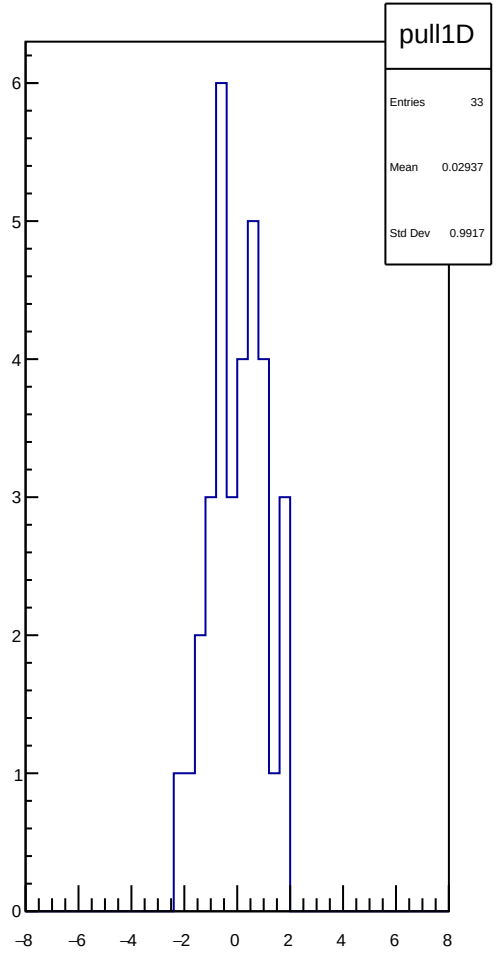

pull1D
Entries 33
Mean 0.2569
Std Dev 0.9407
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

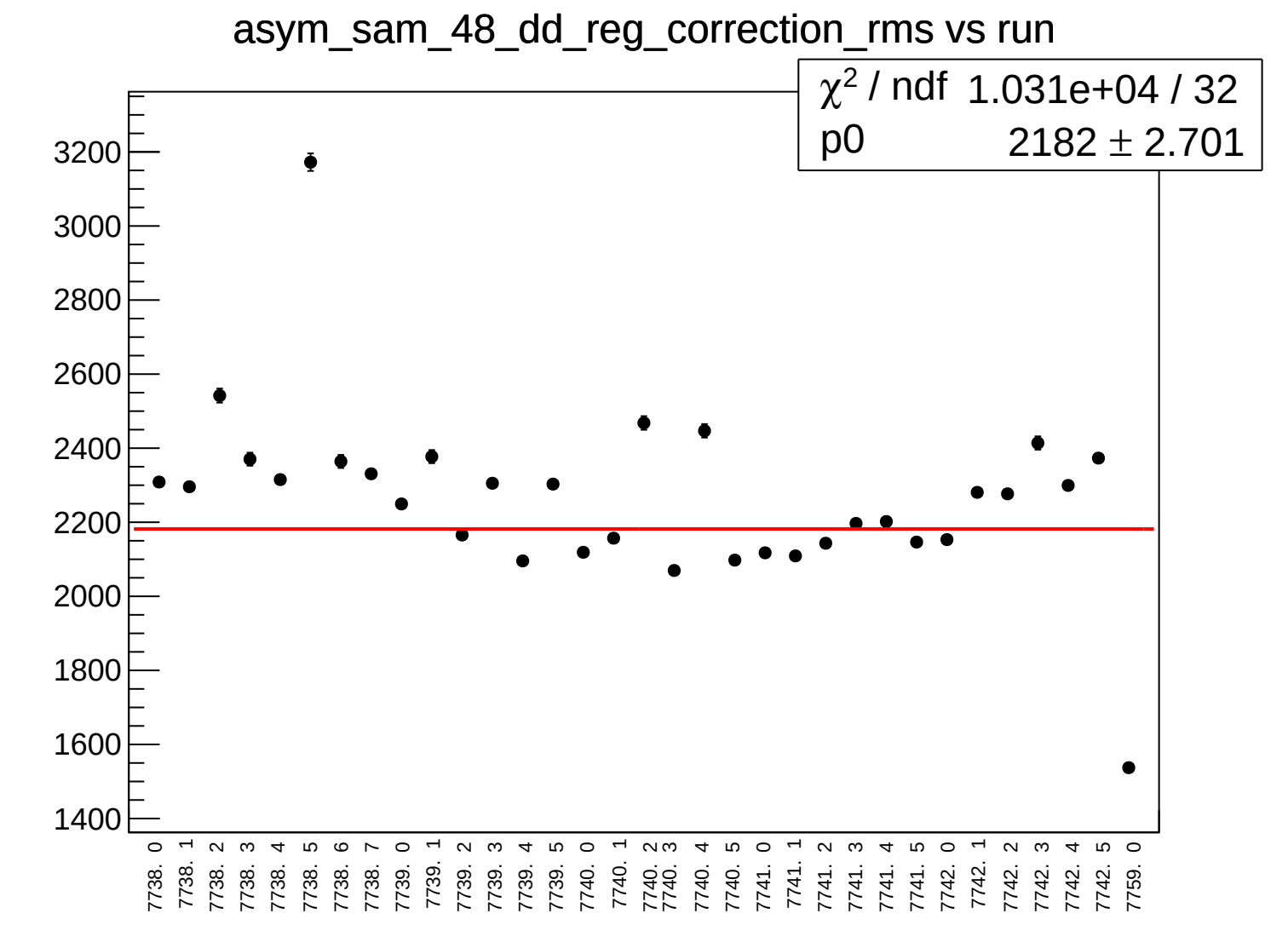

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.691e+05 / 32
p0 3.071e−11 ± 5.666e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

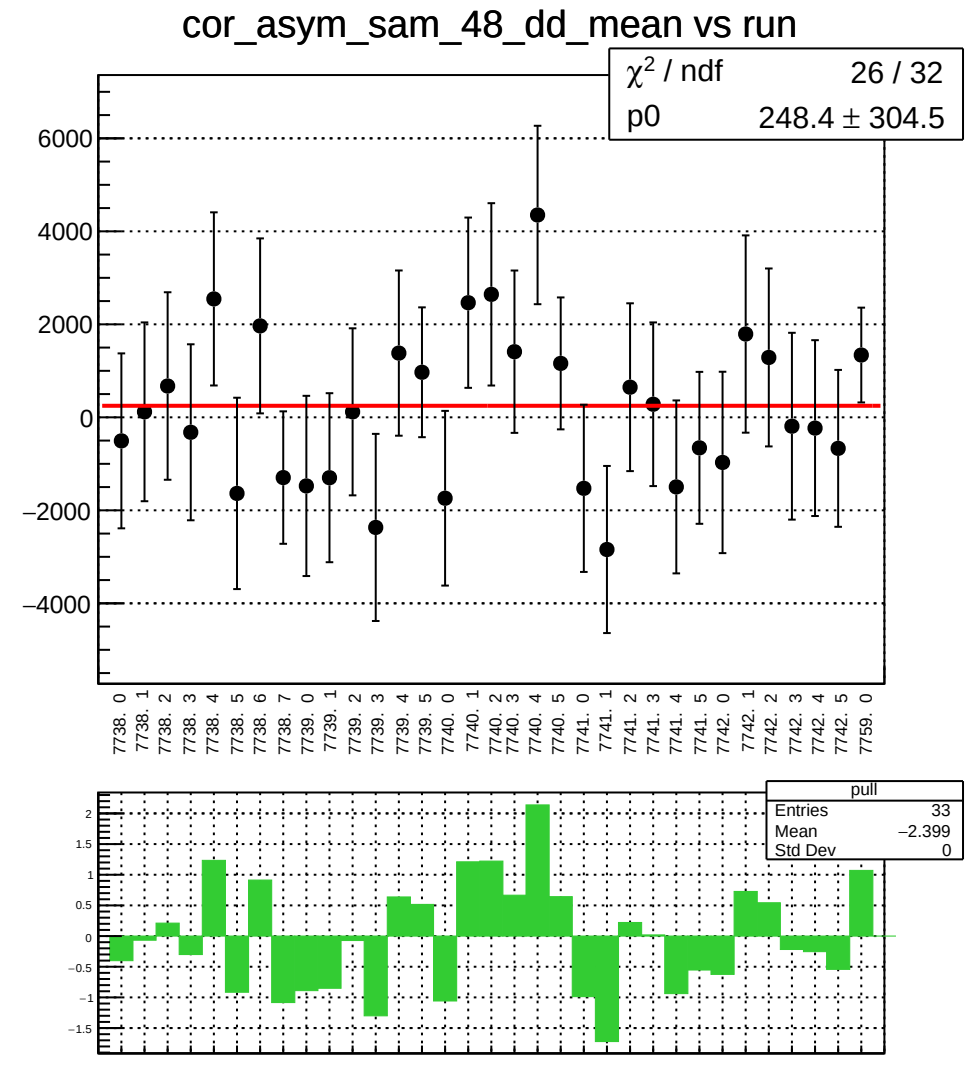

reg_asym_sam_48_dd_mean vs run
χ² / ndf 26 / 32
p0 248.4 ± 304.5
6000
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.02445
Std Dev 0.8874
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

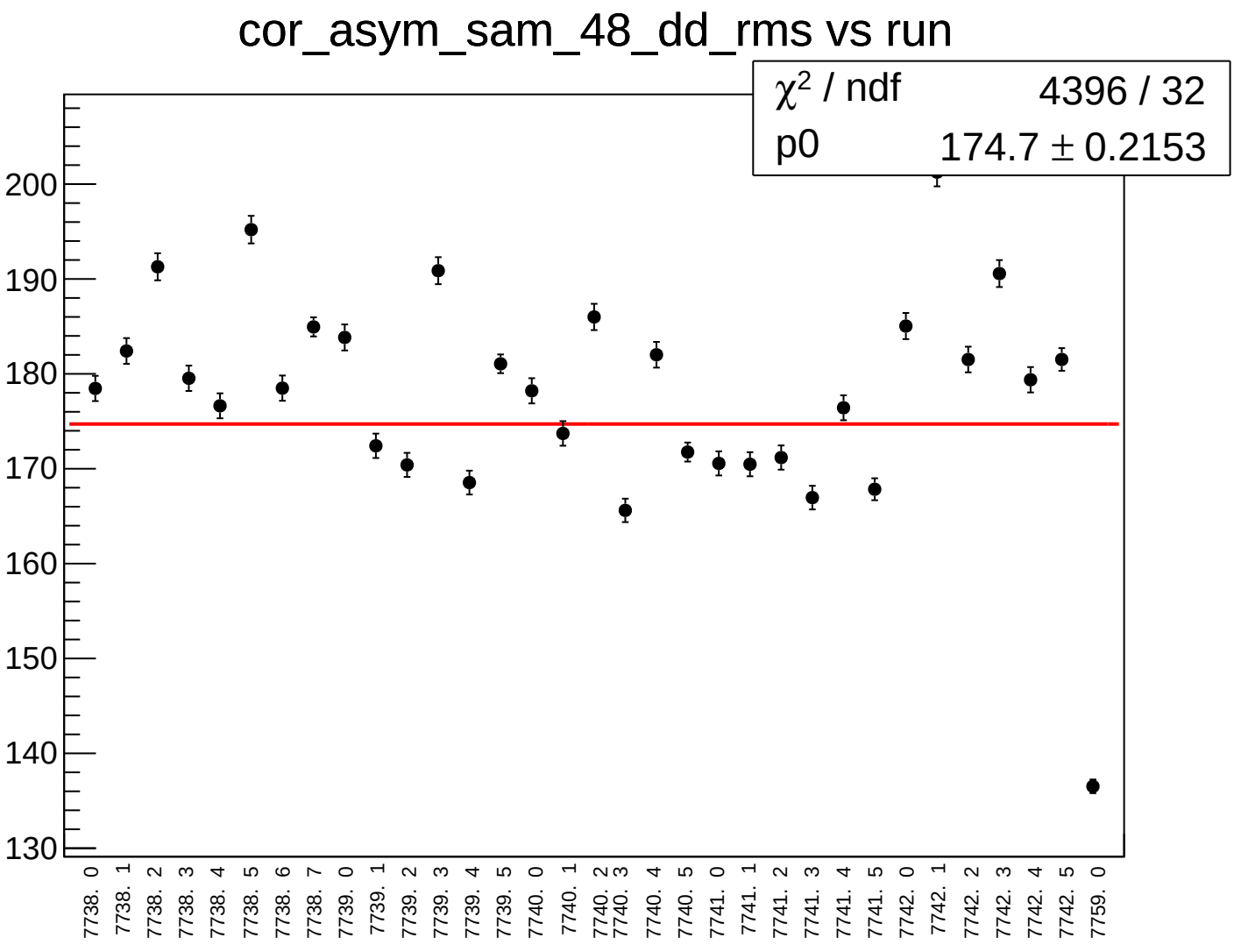

reg_asym_sam_48_dd_rms vs run
χ² / ndf 4396 / 32
p0 174.7 ± 0.2153
200
190
180
170
160
150
140
130
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

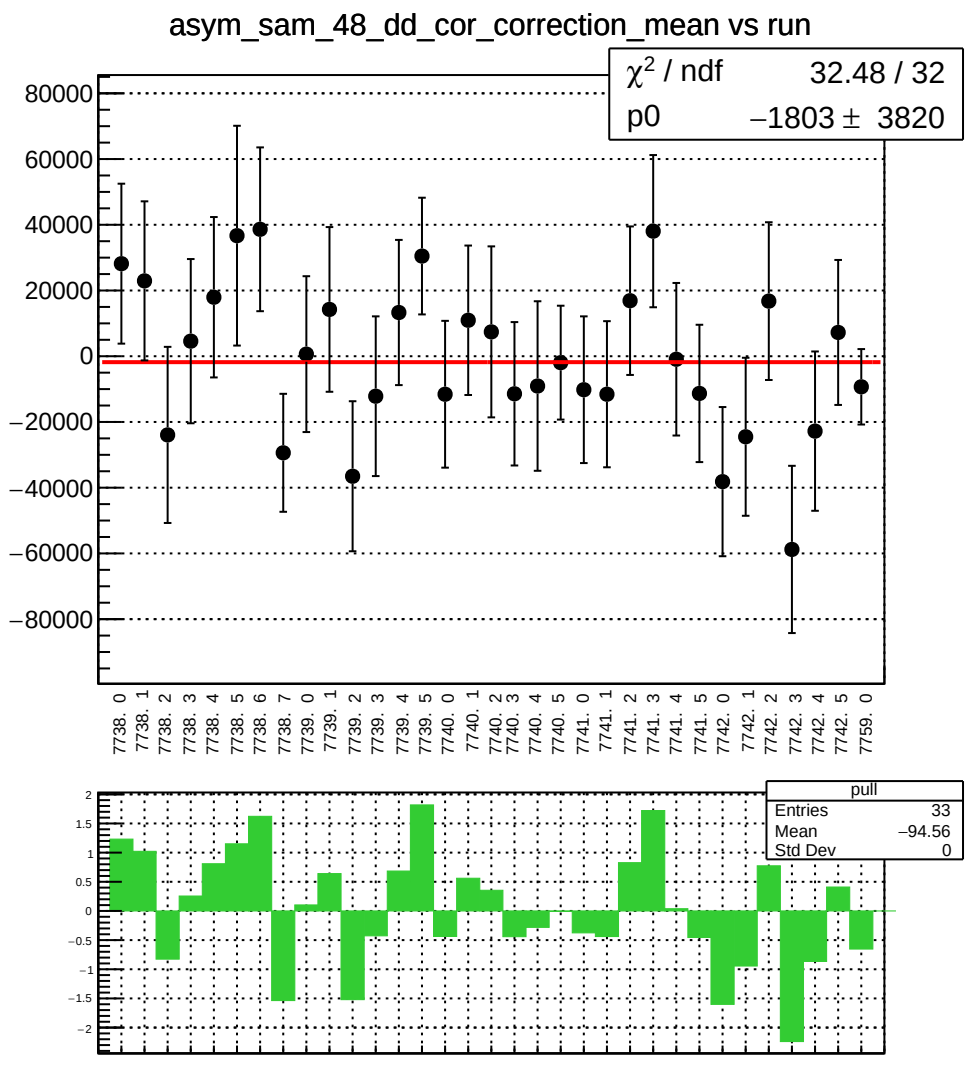

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 32.48 / 32
p0 −1803 ± 3820
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −94.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

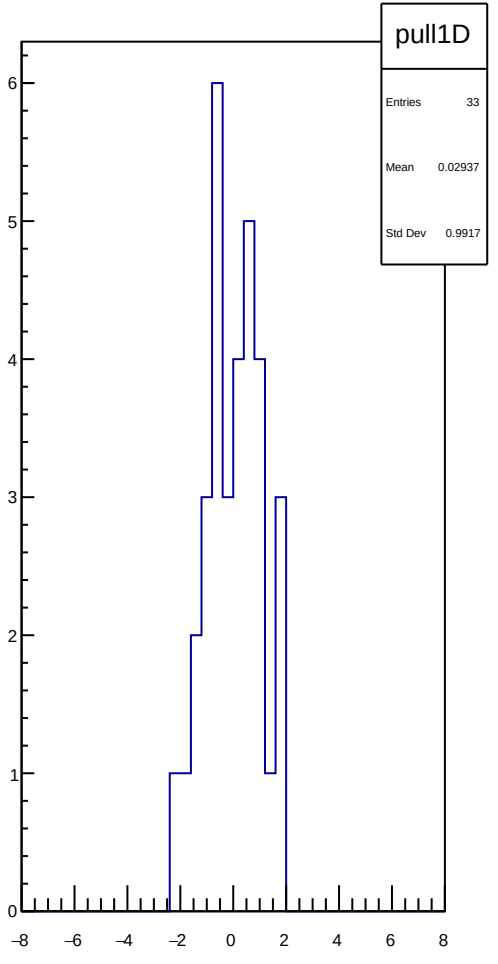

pull1D
Entries 33
Mean 0.02937
Std Dev 0.9917
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

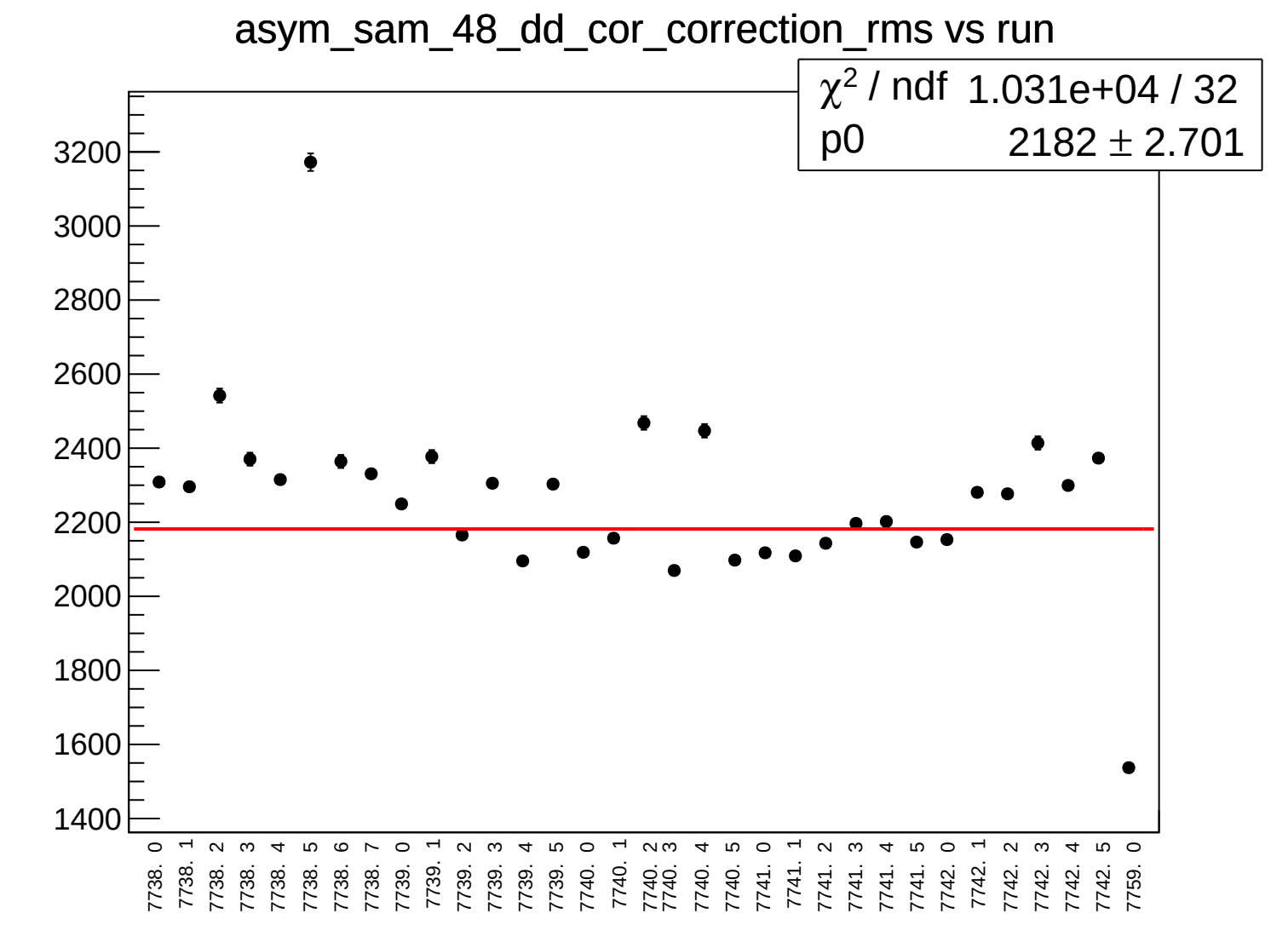

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 1.031e+04 / 32
p0 2182 ± 2.701
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

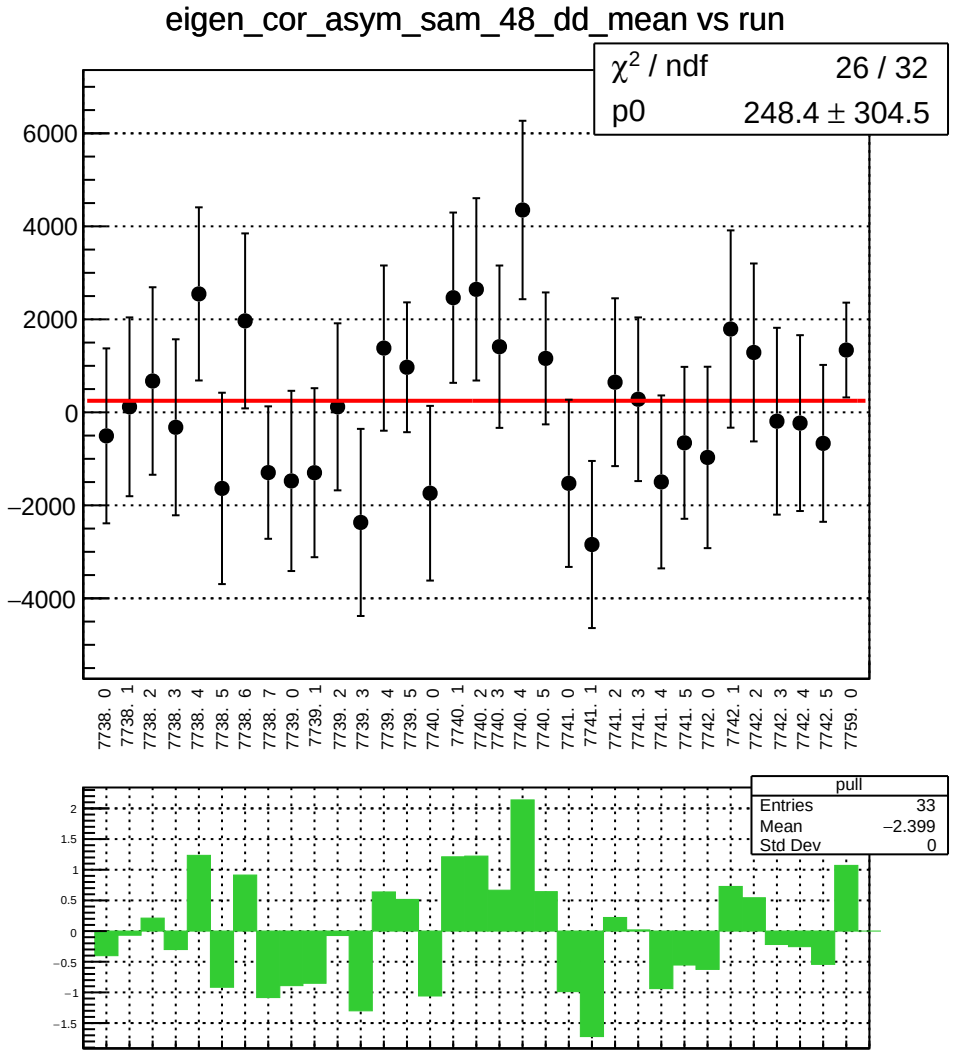

cor_asym_sam_48_dd_mean vs run
χ² / ndf 26 / 32
p0 248.4 ± 304.5
6000
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.399
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.02445
Std Dev 0.8874
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

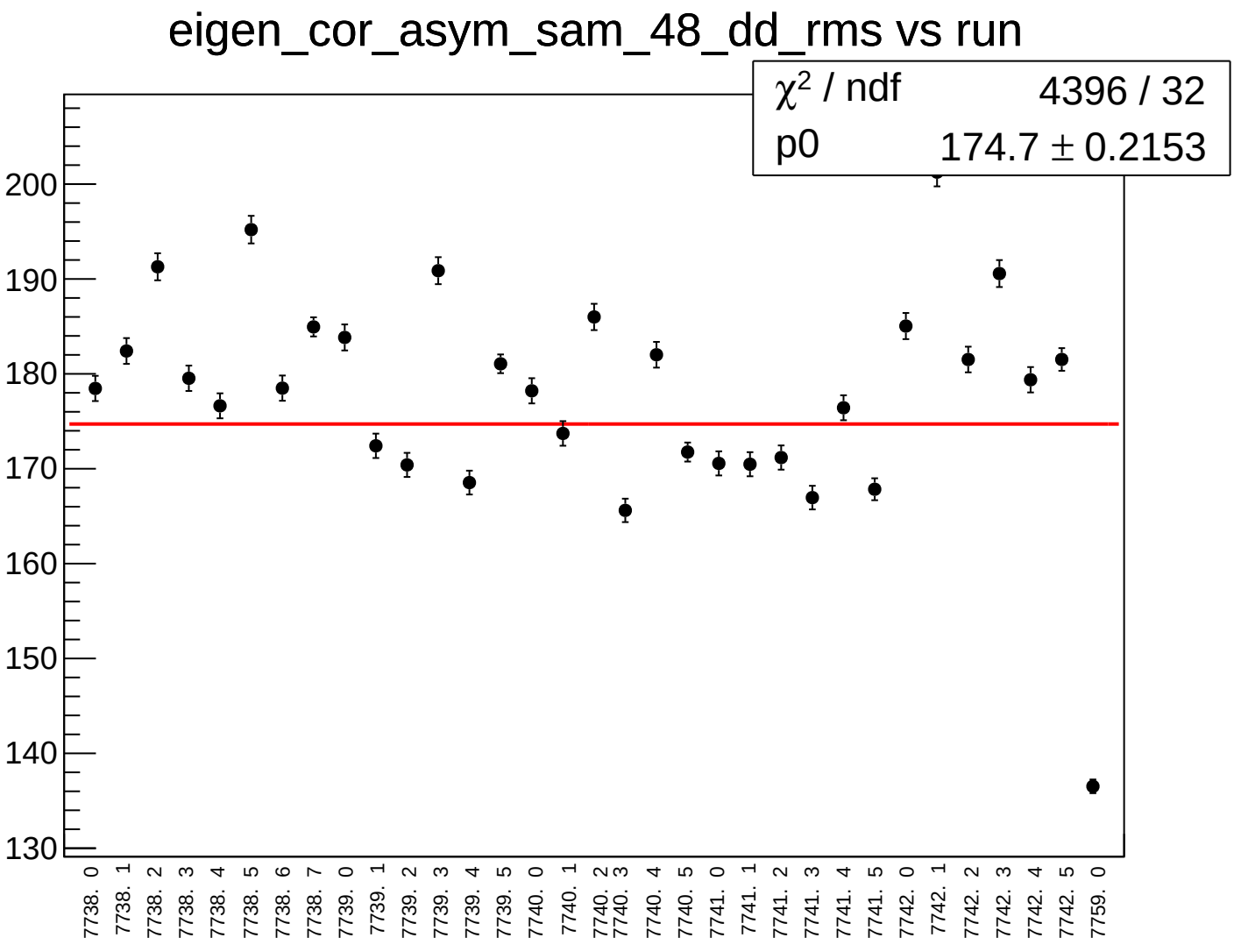

cor_asym_sam_48_dd_rms vs run
χ² / ndf 4396 / 32
p0 174.7 ± 0.2153
200
190
180
170
160
150
140
130
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

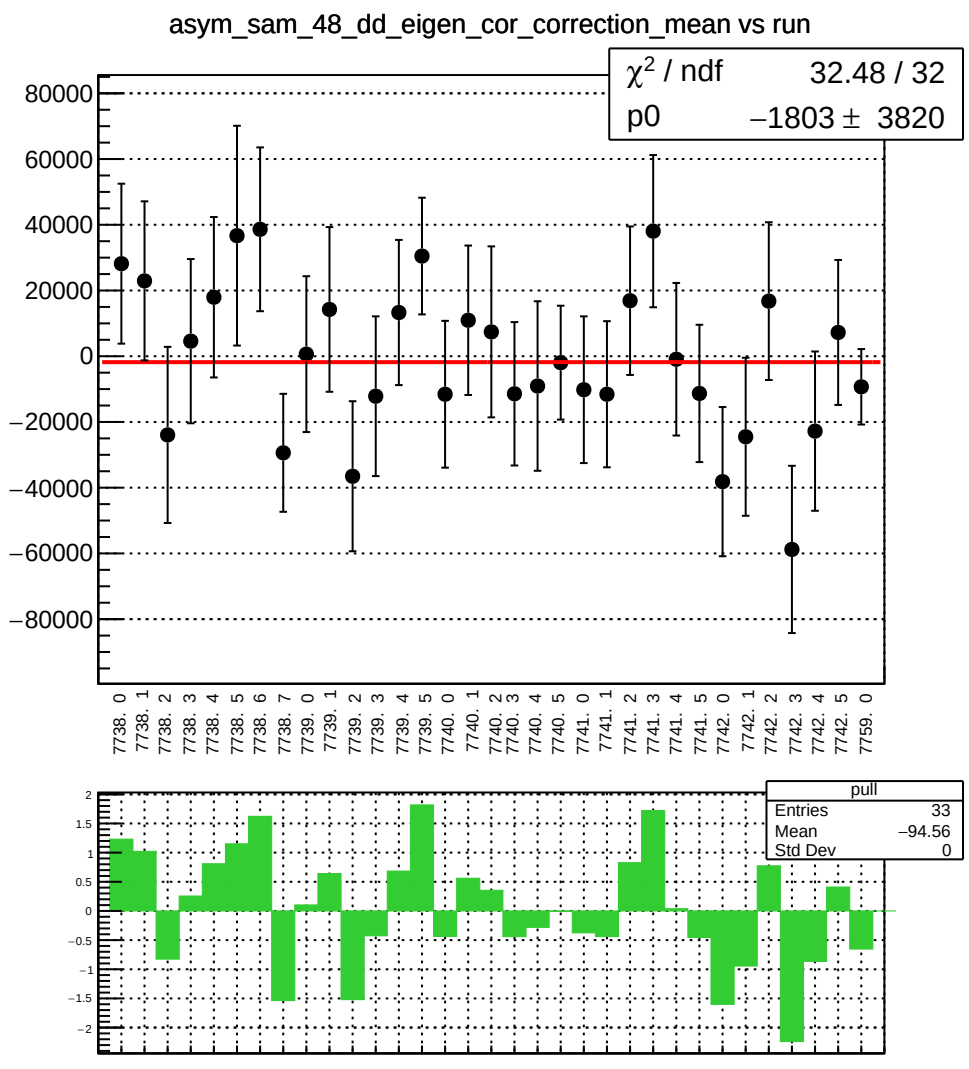

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 32.48 / 32
p0 −1803 ± 3820
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −94.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

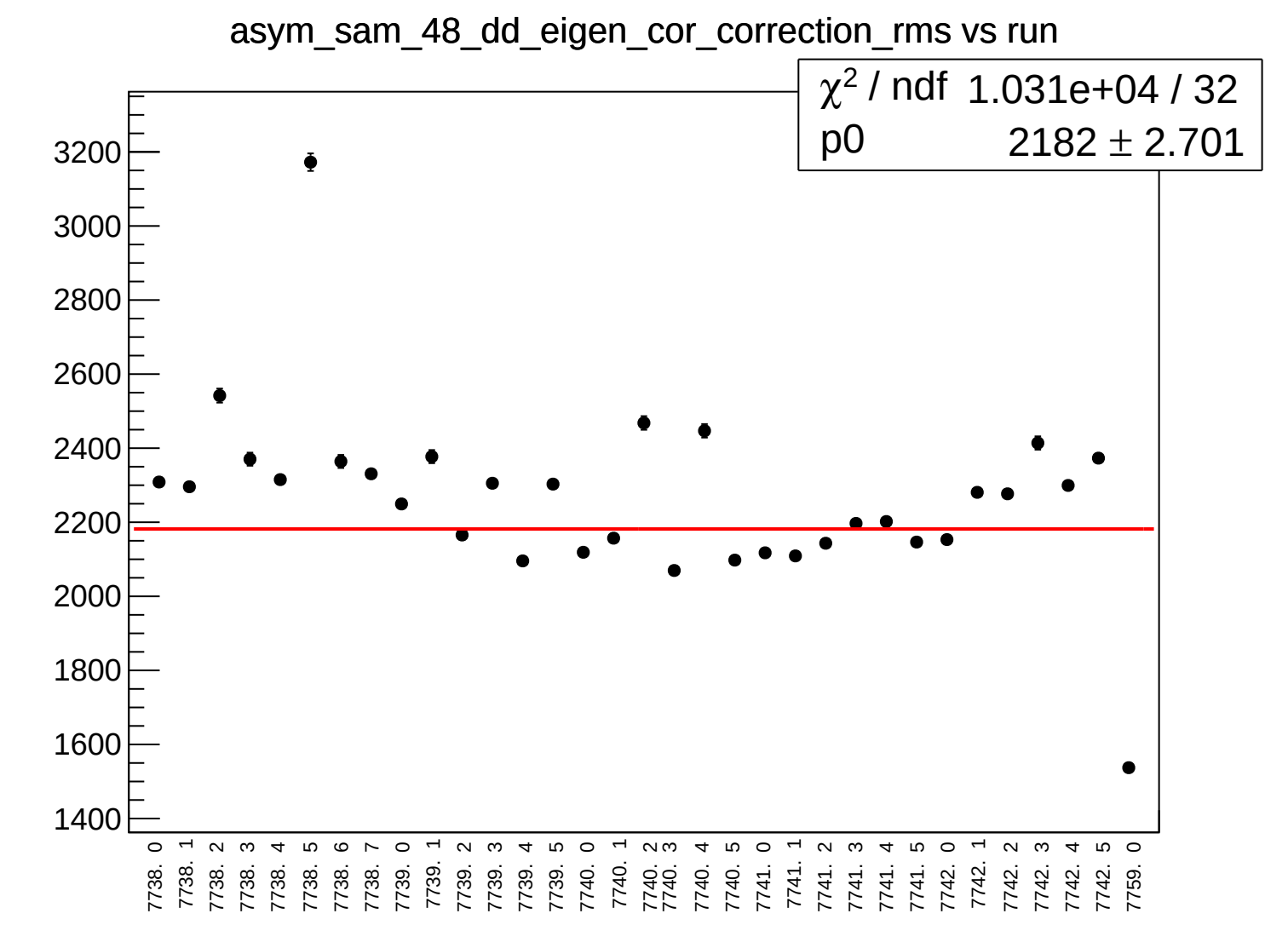

pull1D
Entries 33
Mean 0.02937
Std Dev 0.9917
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

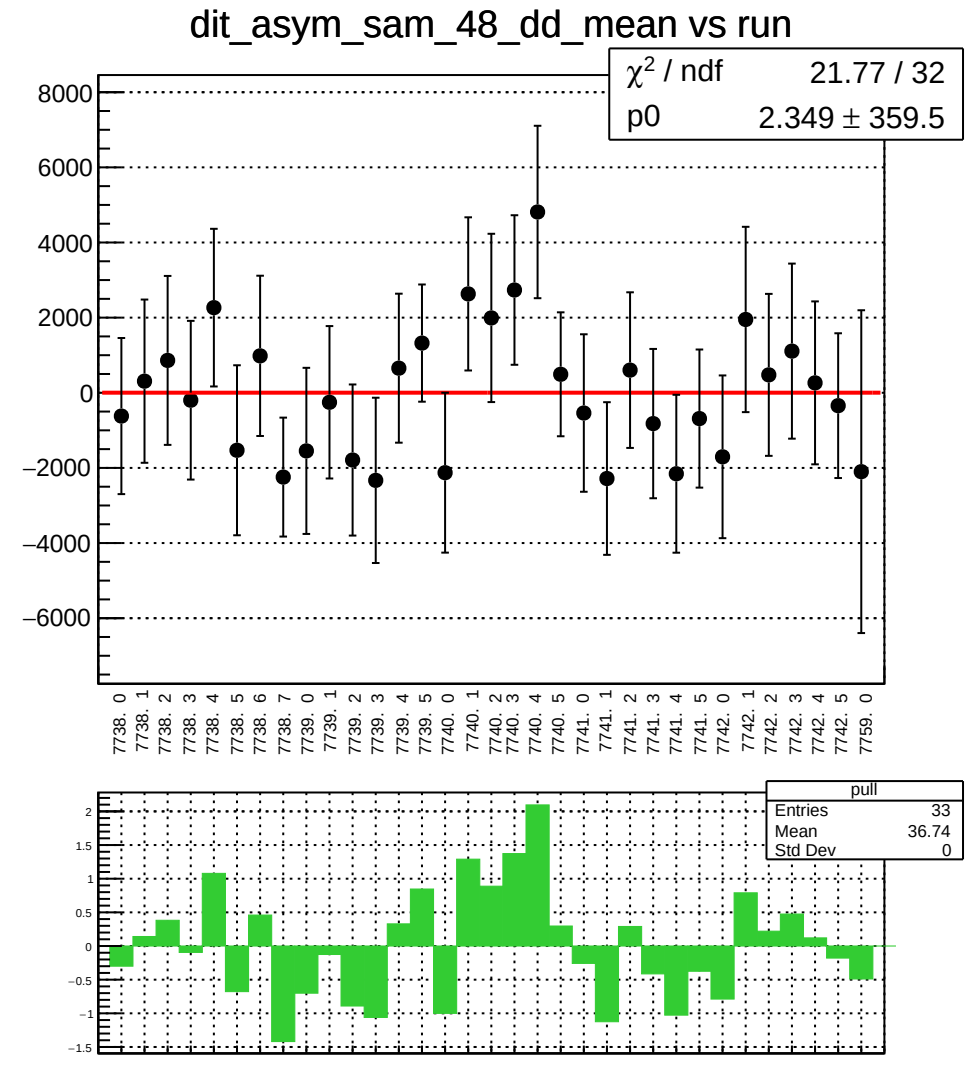

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1.031e+04 / 32
p0 2182 ± 2.701
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

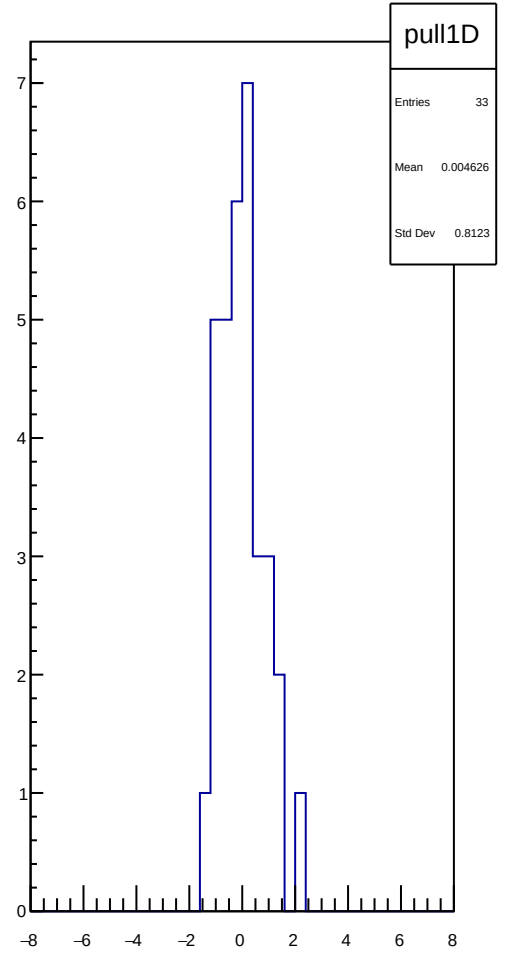

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 26 / 32
p0 248.4 ± 304.5
6000
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.399
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.02445
Std Dev 0.8874
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

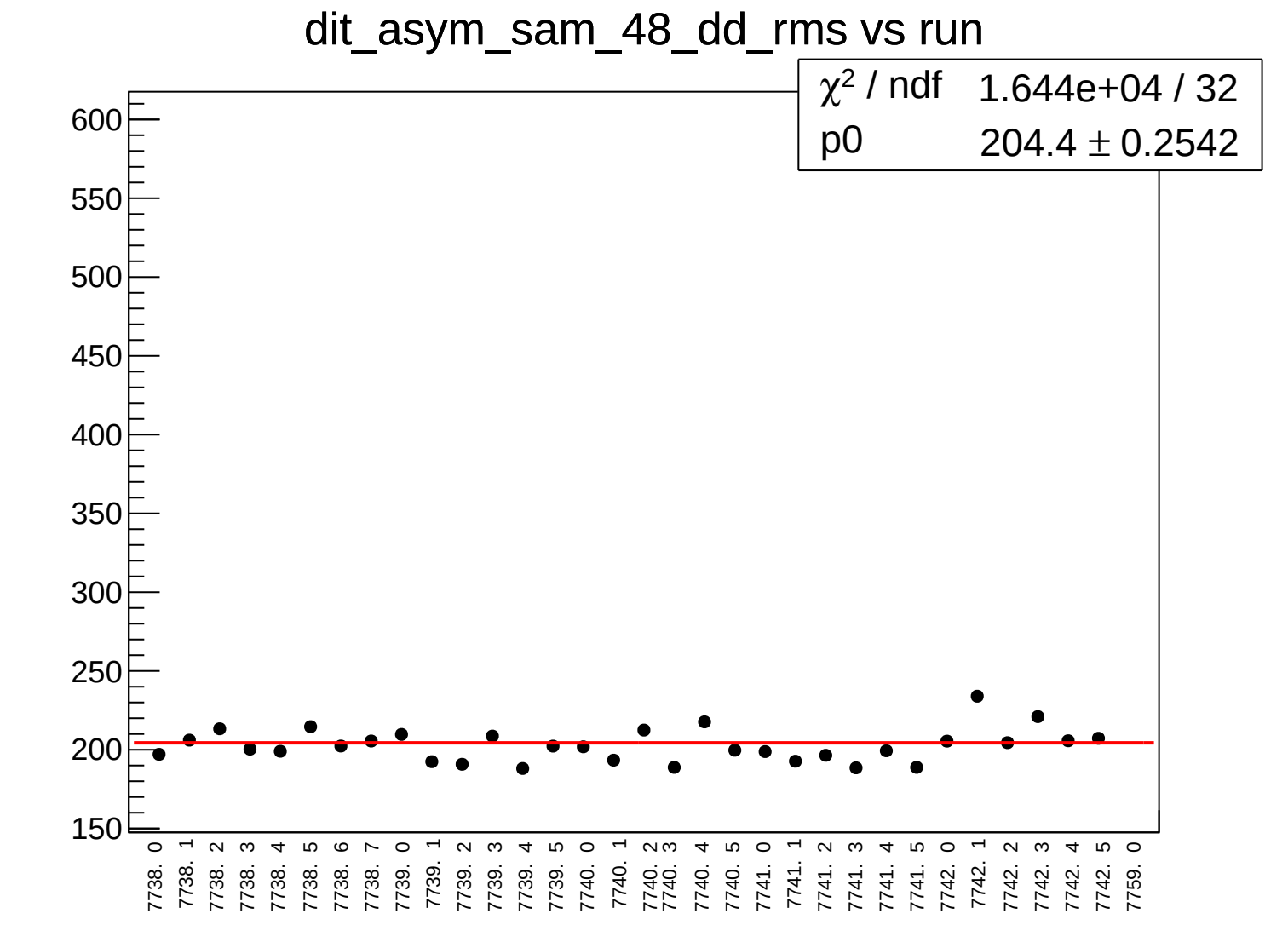

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 4396 / 32
p0 174.7 ± 0.2153
200
190
180
170
160
150
140
130
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

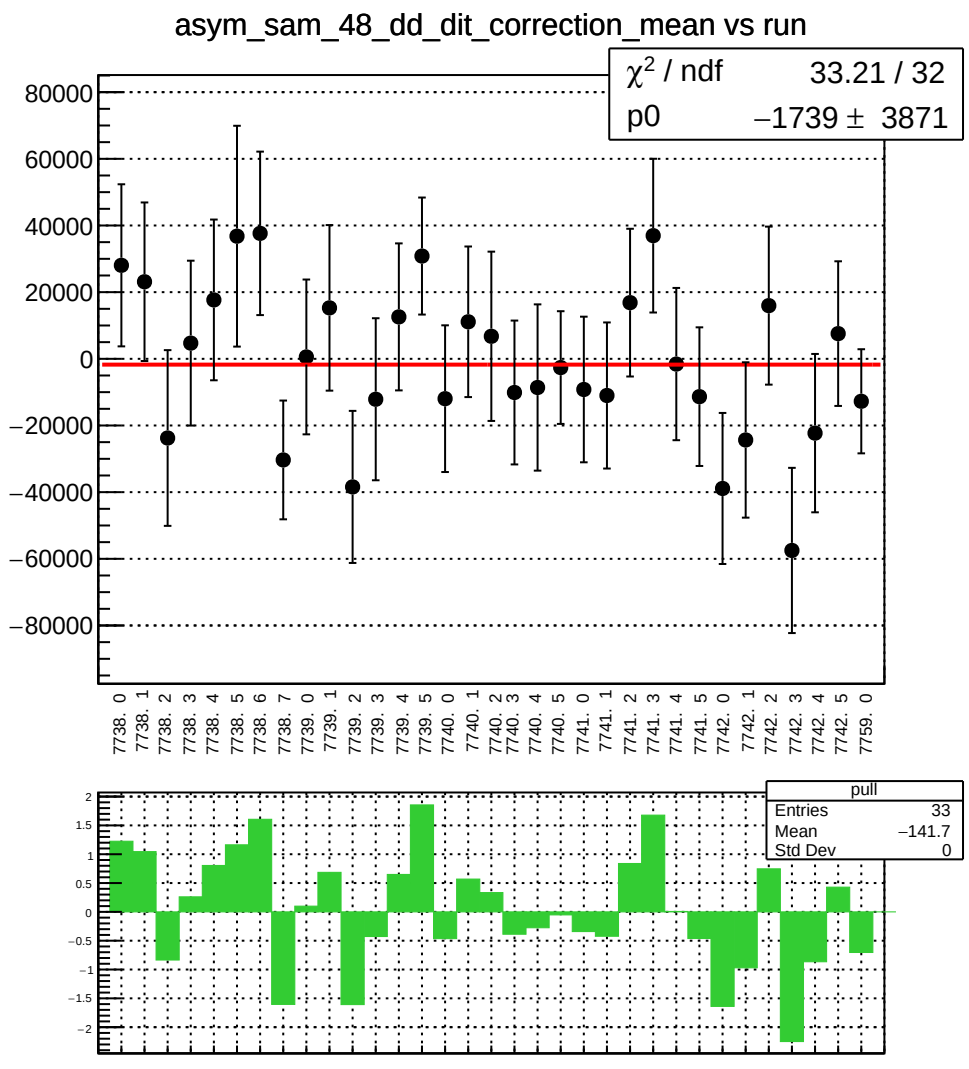

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 32.48 / 32
p0 −1803 ± 3820
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −94.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02937
Std Dev 0.9917
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

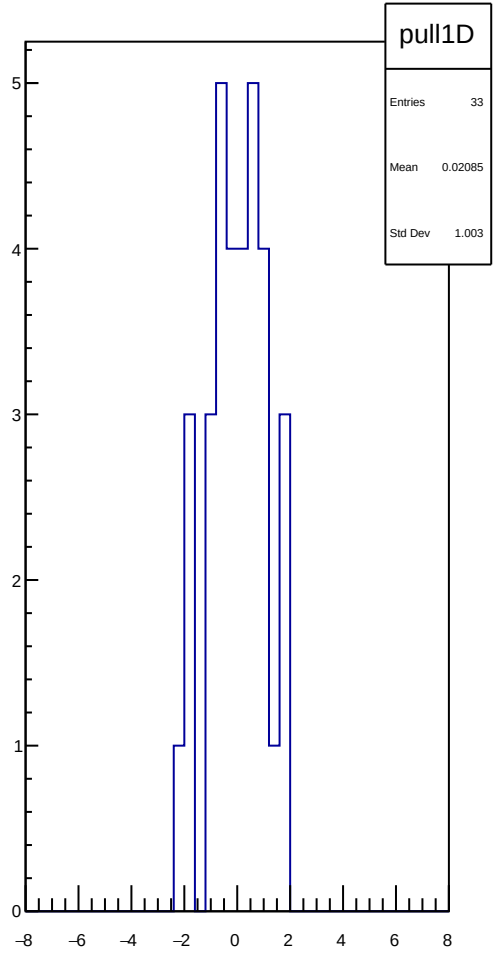

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.031e+04 / 32
p0 2182 ± 2.701
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

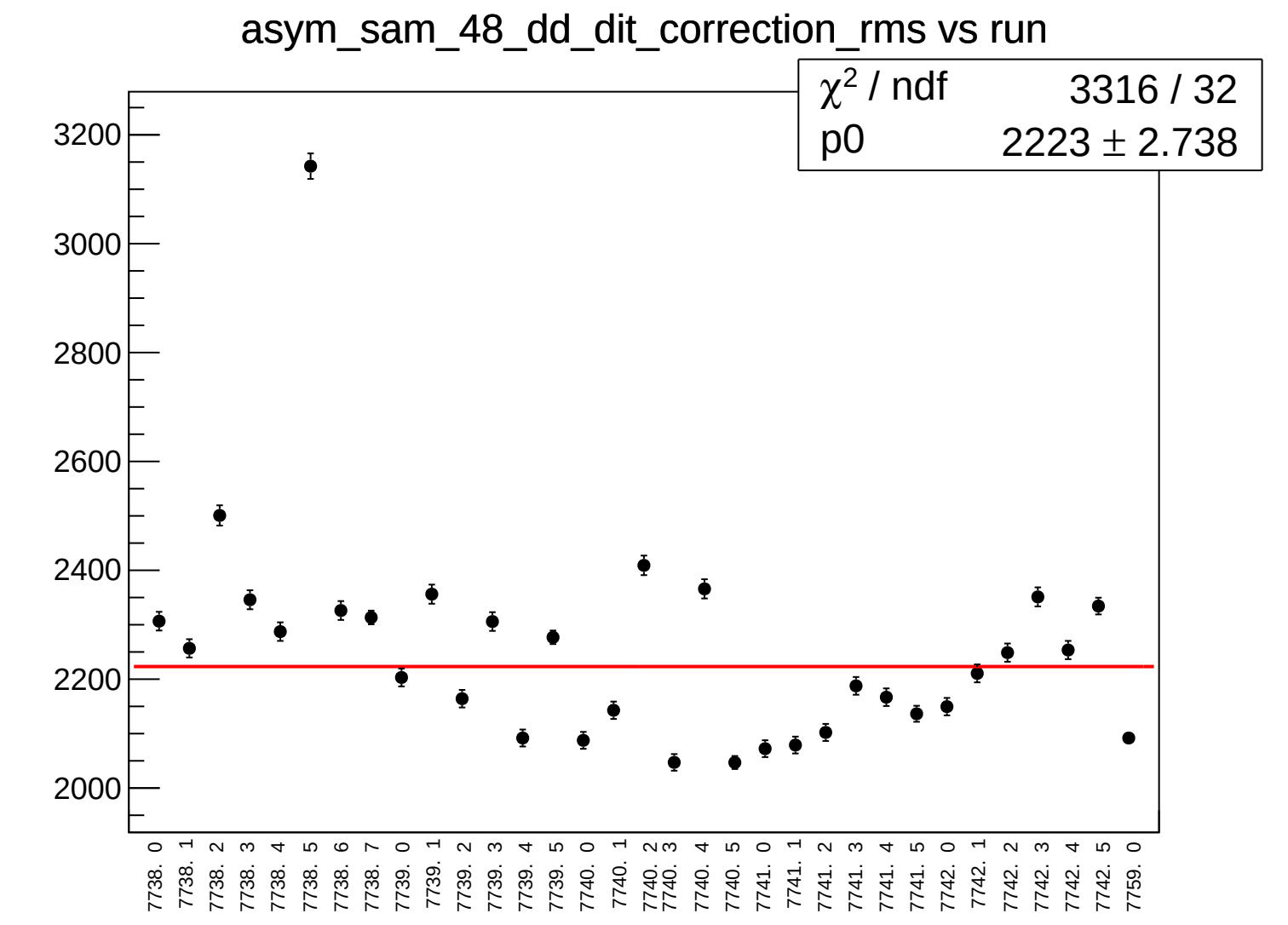

dit_asym_sam_48_dd_mean vs run
χ² / ndf 21.77 / 32
p0 2.349 ± 359.5
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 36.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

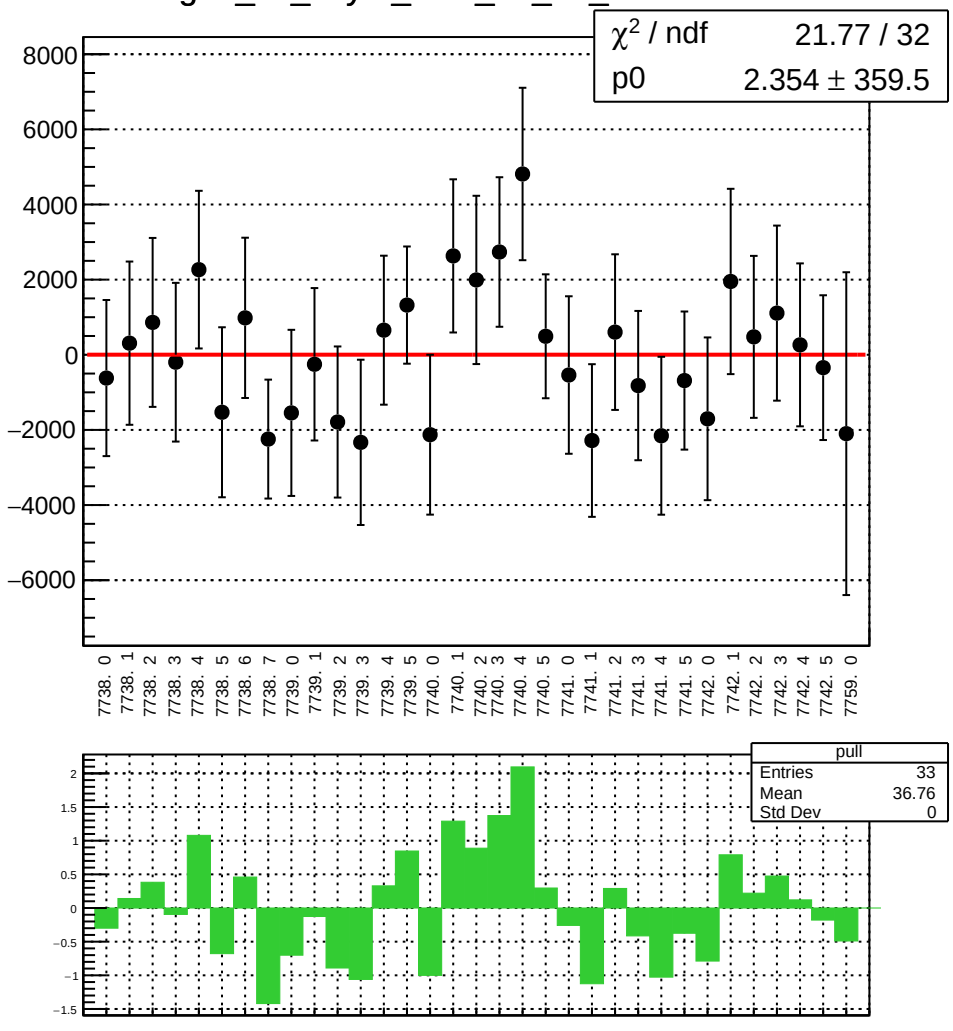

pull1D
Entries 33
Mean 0.004626
Std Dev 0.8123
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

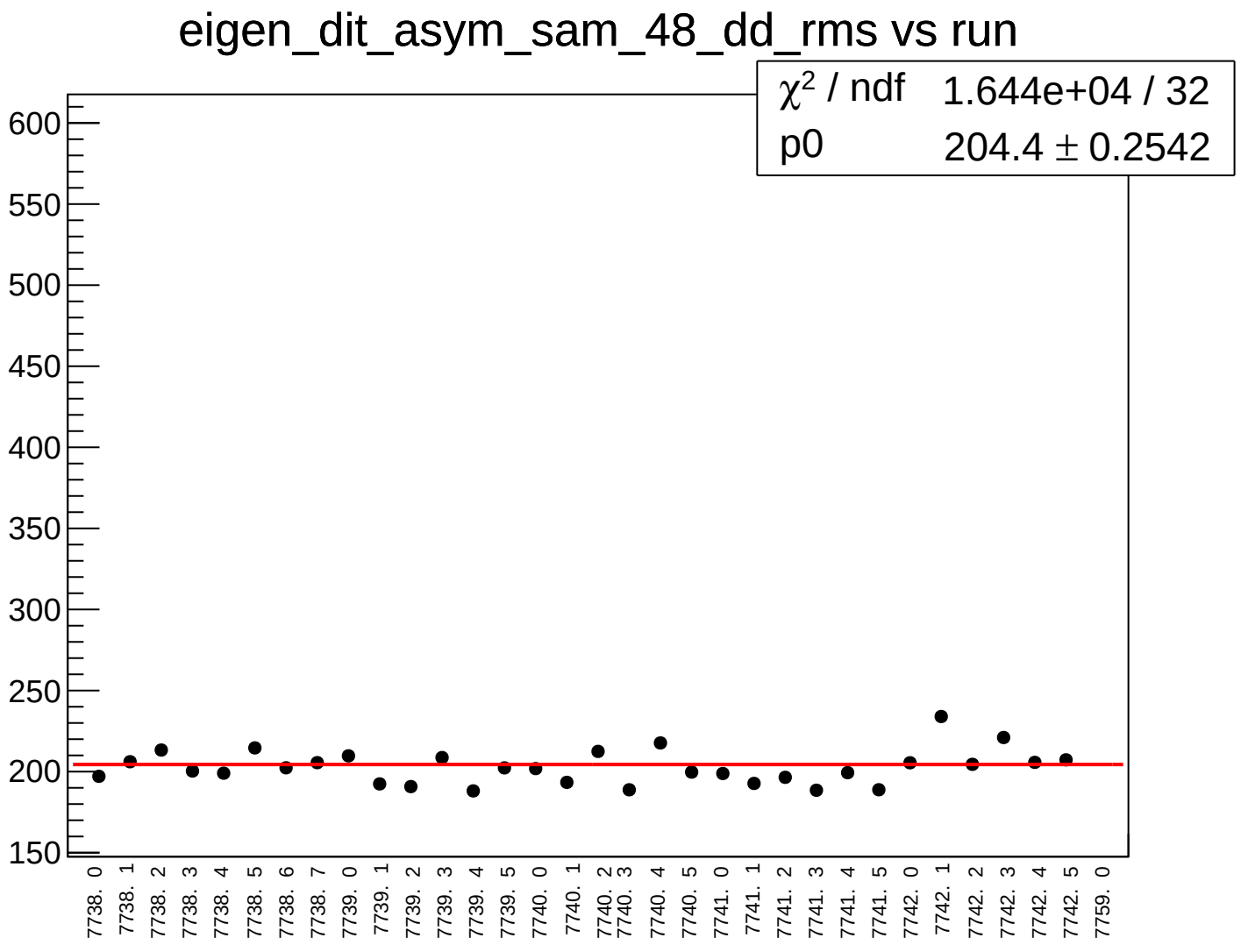

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.644e+04 / 32
p0 204.4 ± 0.2542
600
550
500
450
400
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

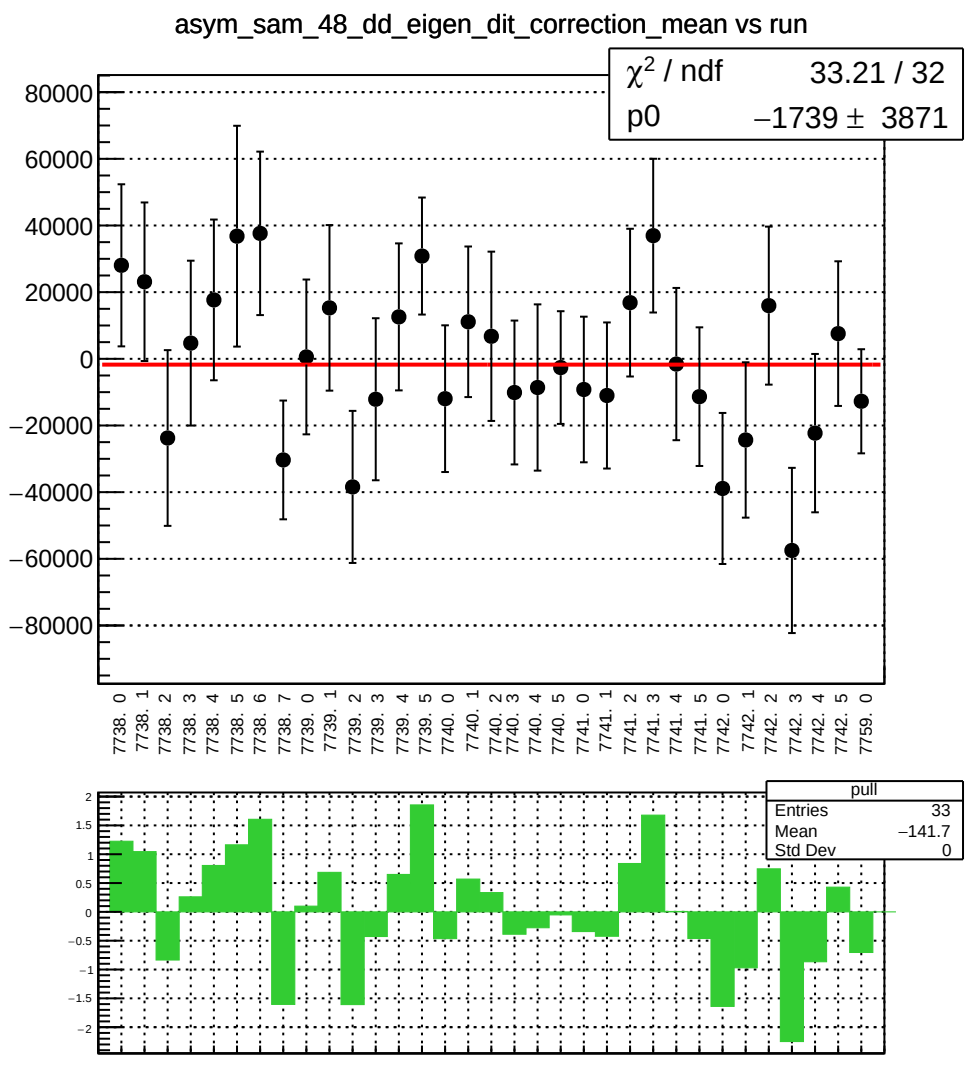

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 33.21 / 32
p0 −1739 ± 3871
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −141.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

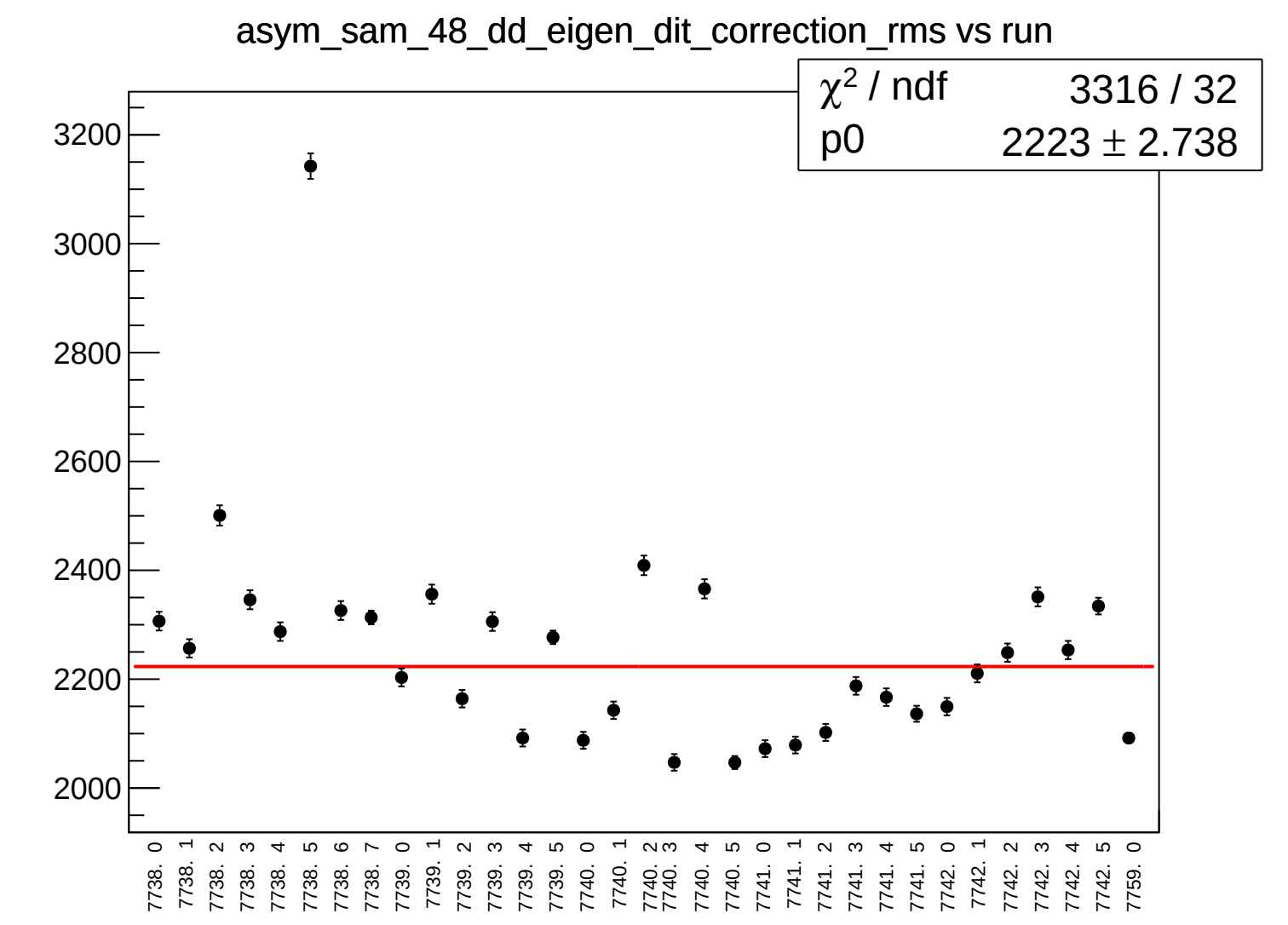

pull1D
Entries 33
Mean 0.02085
Std Dev 1.003
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

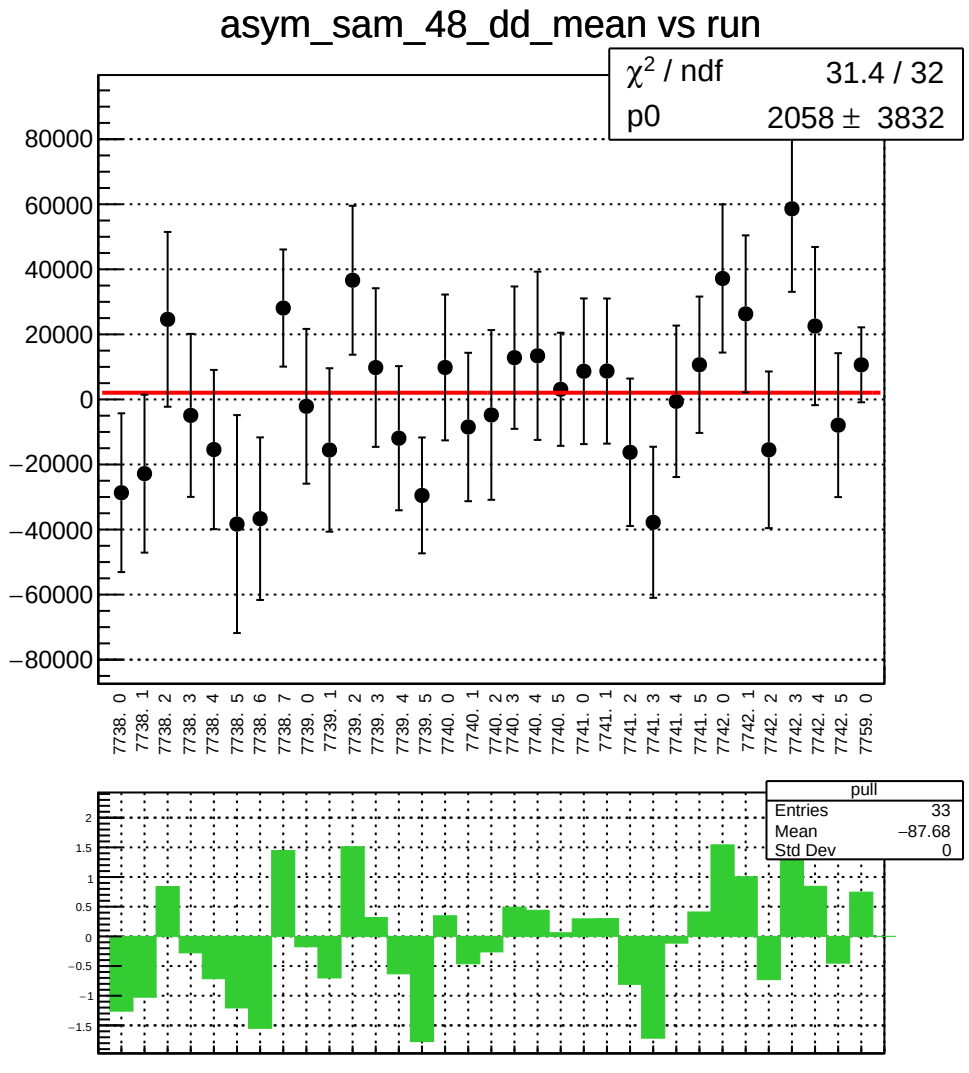

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 3316 / 32
p0 2223 ± 2.738
3200
3000
2800
2600
2400
2200
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

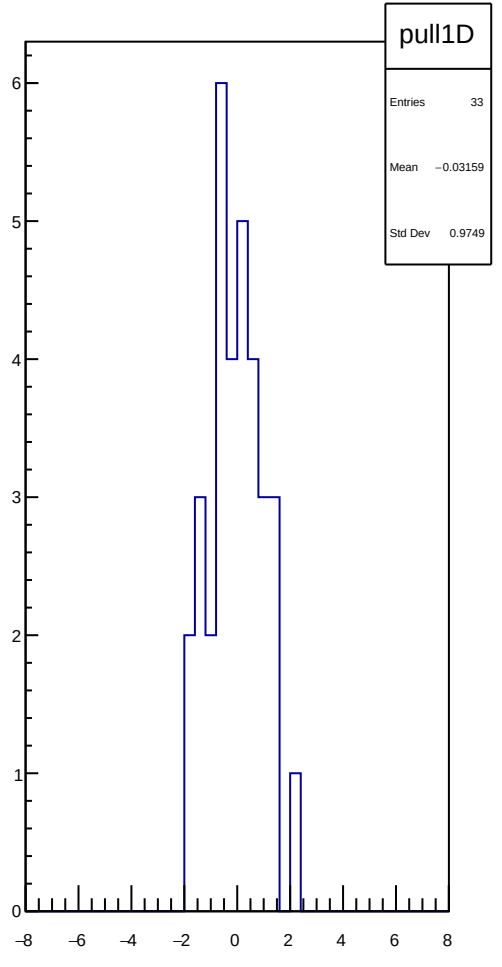

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 21.77 / 32
p0 2.354 ± 359.5
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 36.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.004627
Std Dev 0.8123
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

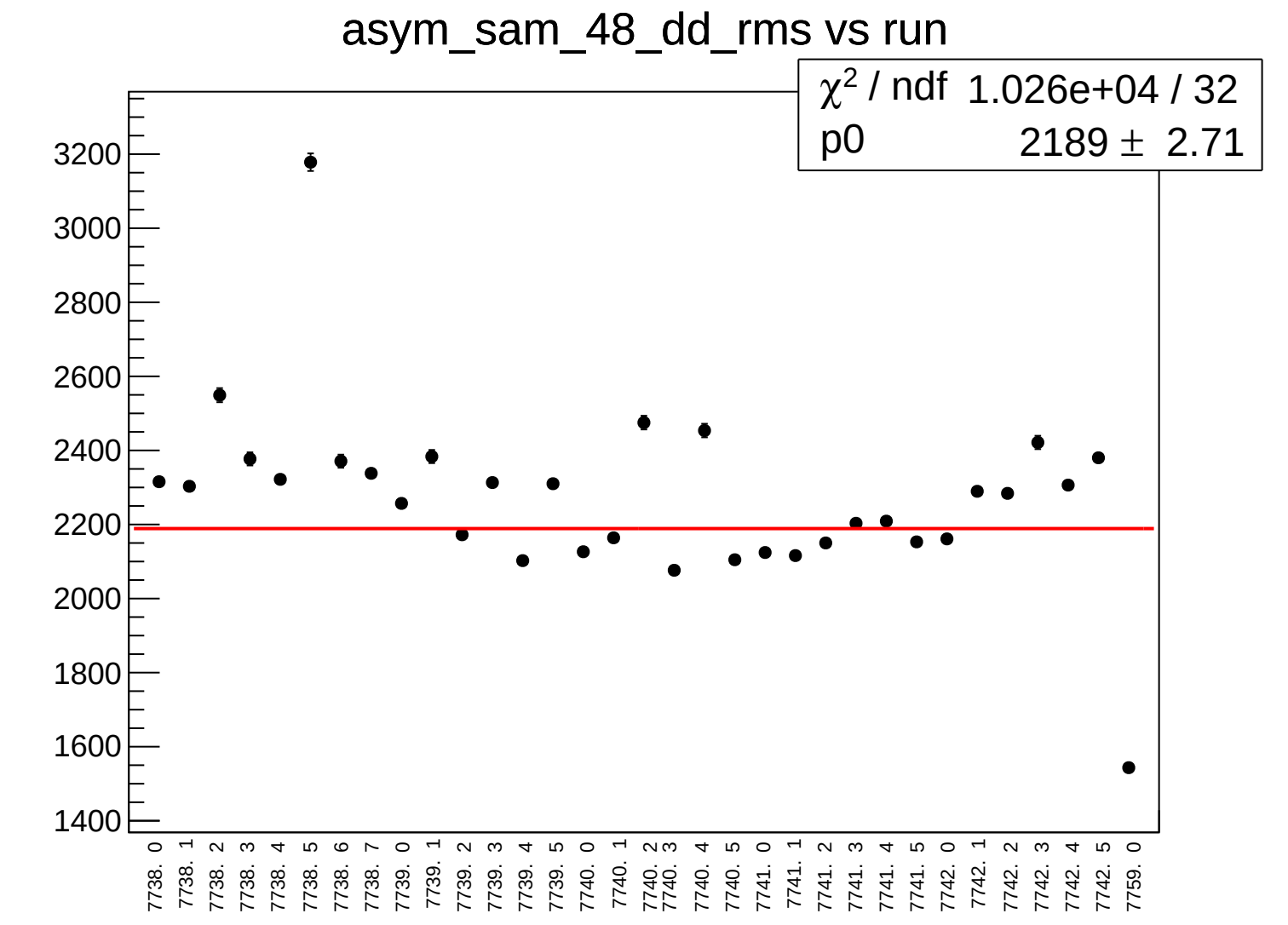

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.644e+04 / 32
p0 204.4 ± 0.2542
600
550
500
450
400
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

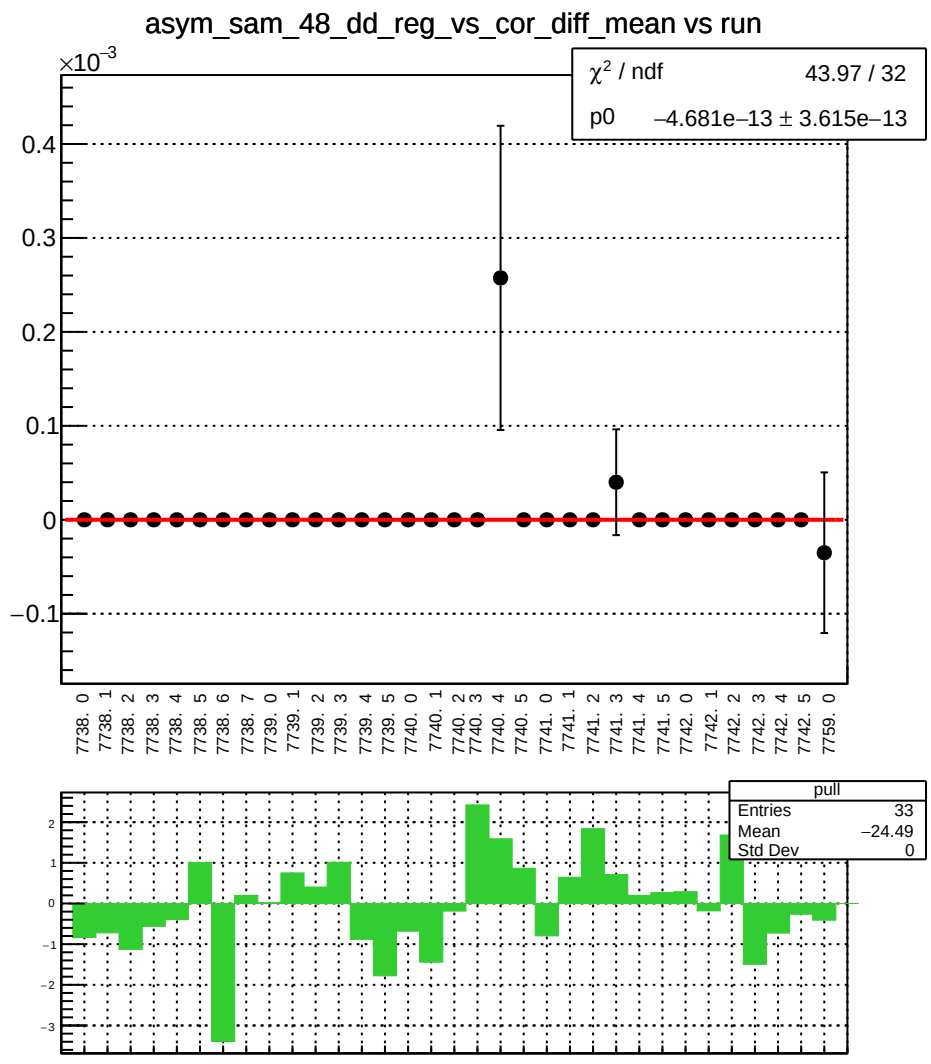

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.21 / 32
p0 −1739 ± 3871
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −141.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02085
Std Dev 1.003
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

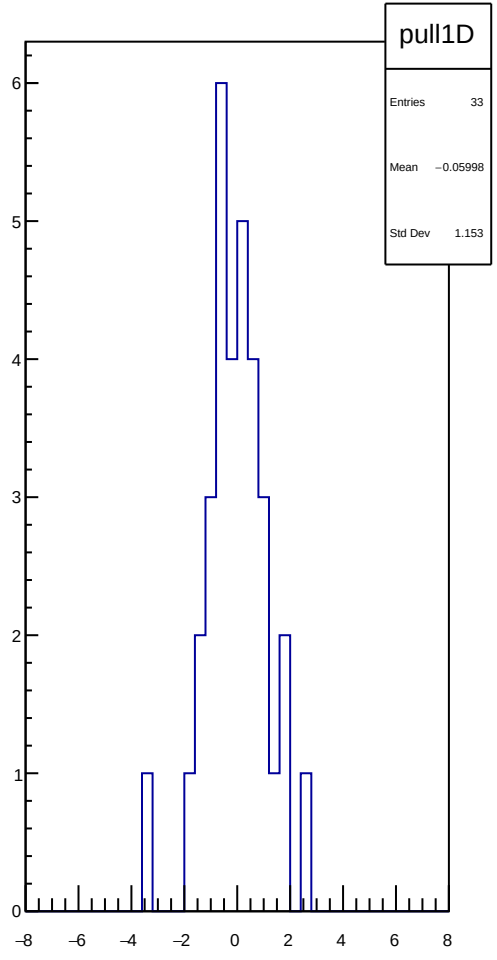

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3316 / 32
p0 2223 ± 2.738
3200
3000
2800
2600
2400
2200
2000
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

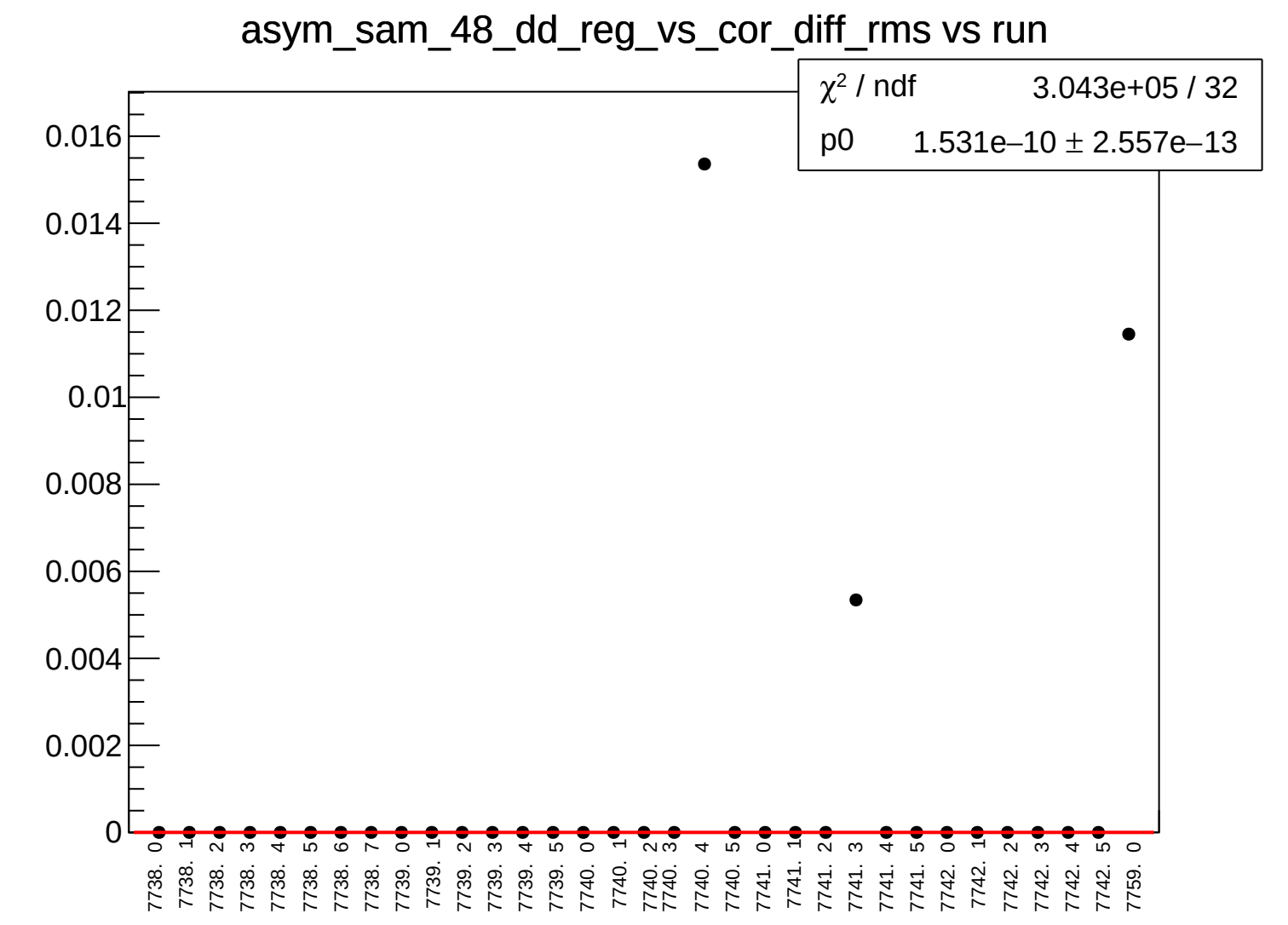

asym_sam_48_dd_mean vs run
χ² / ndf 31.4 / 32
p0 2058 ± 3832
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −87.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

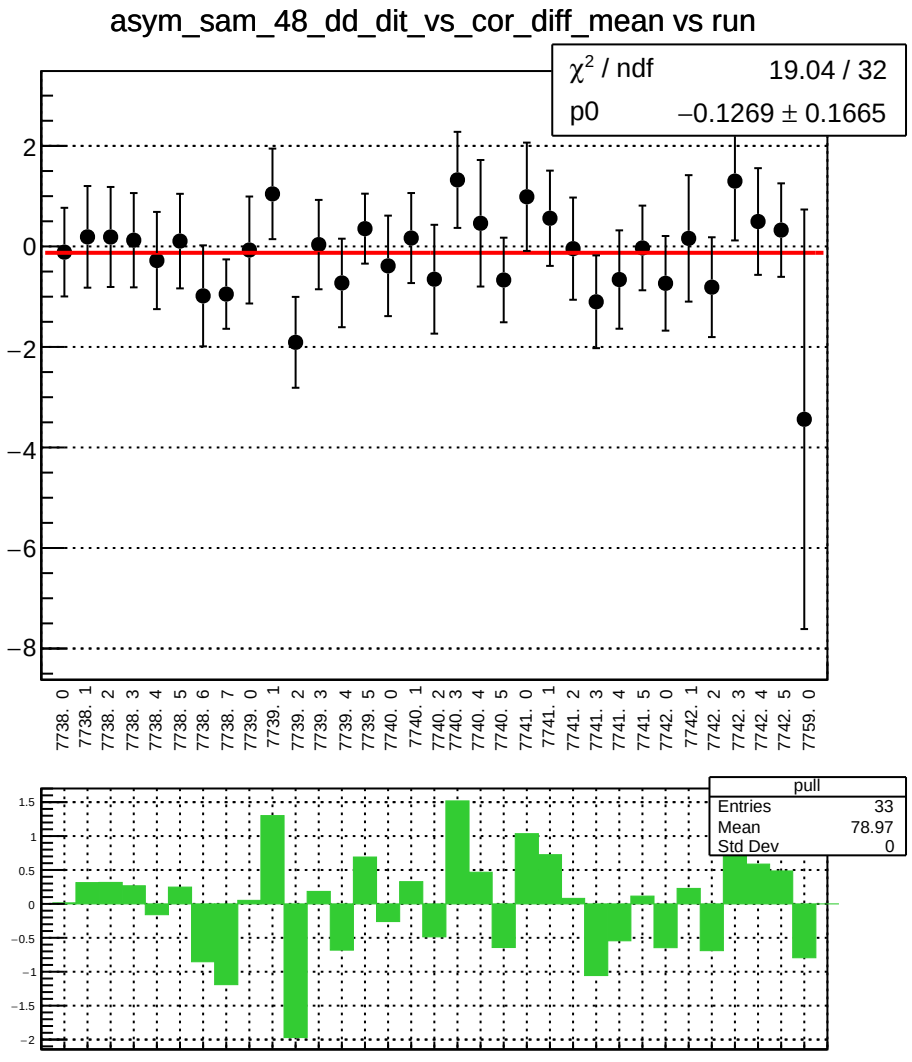

pull1D
Entries 33
Mean −0.03159
Std Dev 0.9749
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

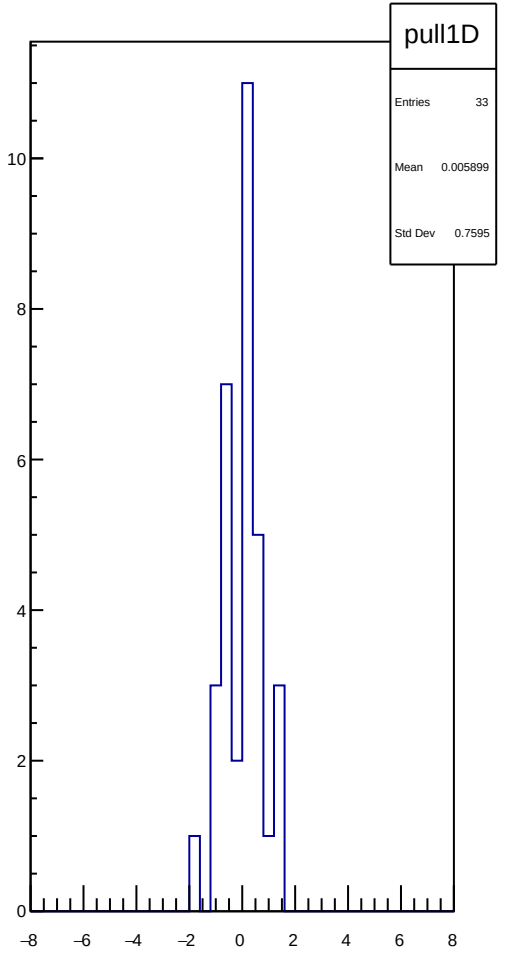

asym_sam_48_dd_rms vs run
χ² / ndf 1.026e+04 / 32
p0 2189 ± 2.71
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

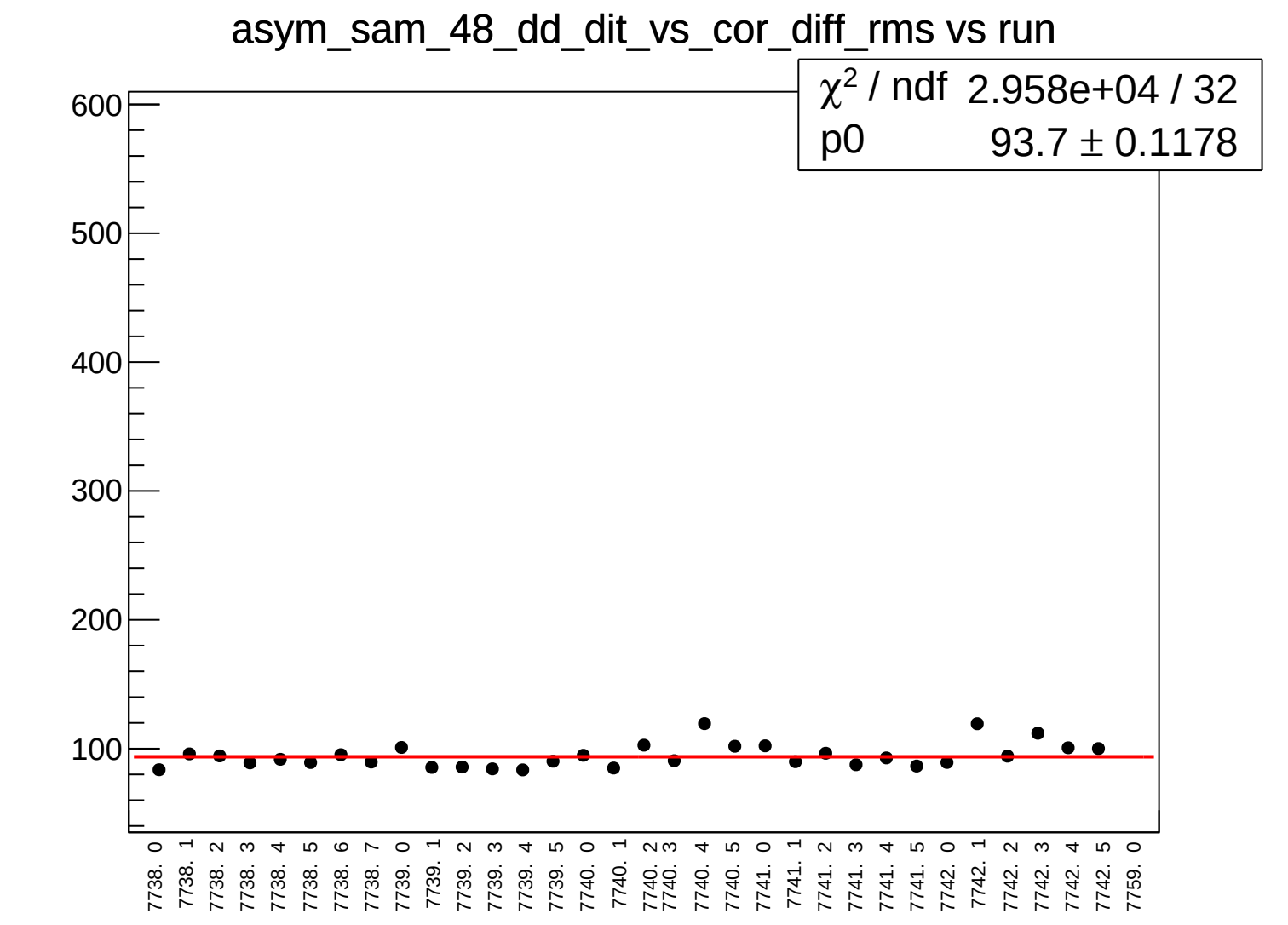

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 43.97 / 32
p0 −4.681e−13 ± 3.615e−13
0.4
0.3
0.2
0.1
0
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.49
Std Dev 0
2
1
0
−1
−2
−3

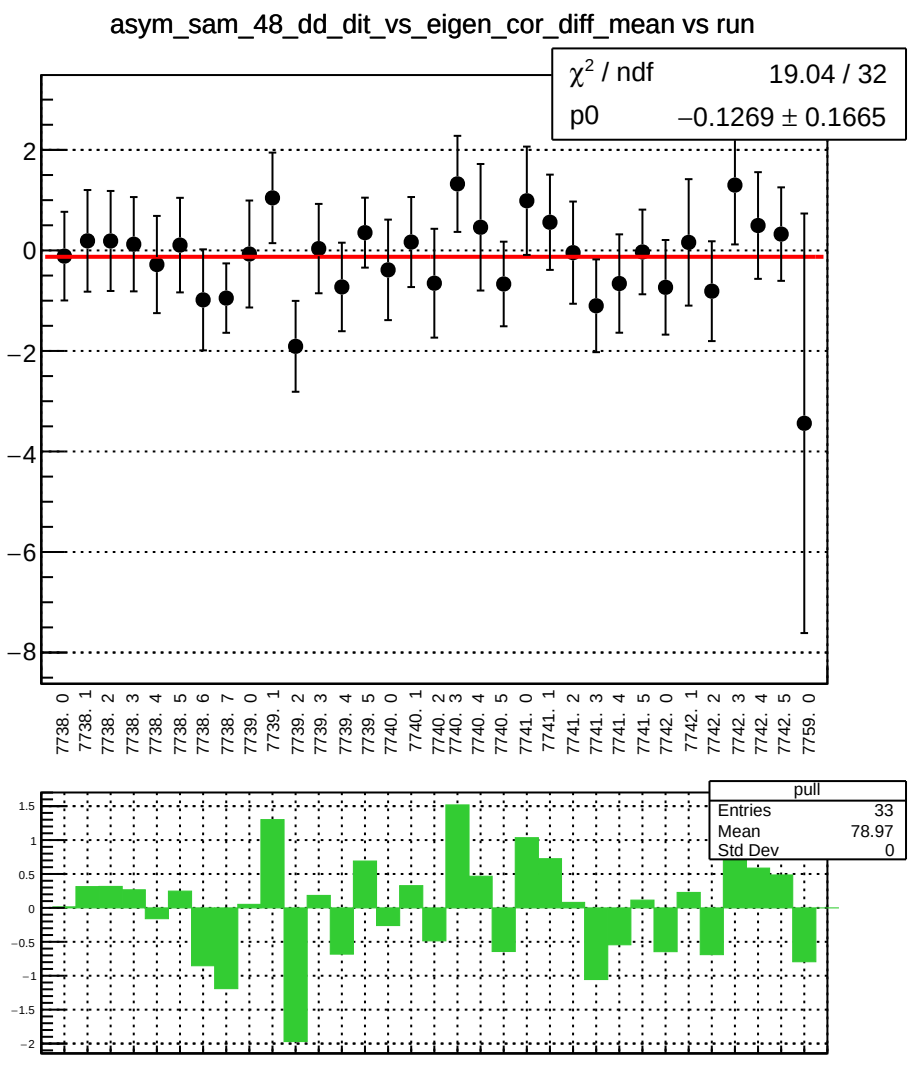

pull1D
Entries 33
Mean −0.05998
Std Dev 1.153
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

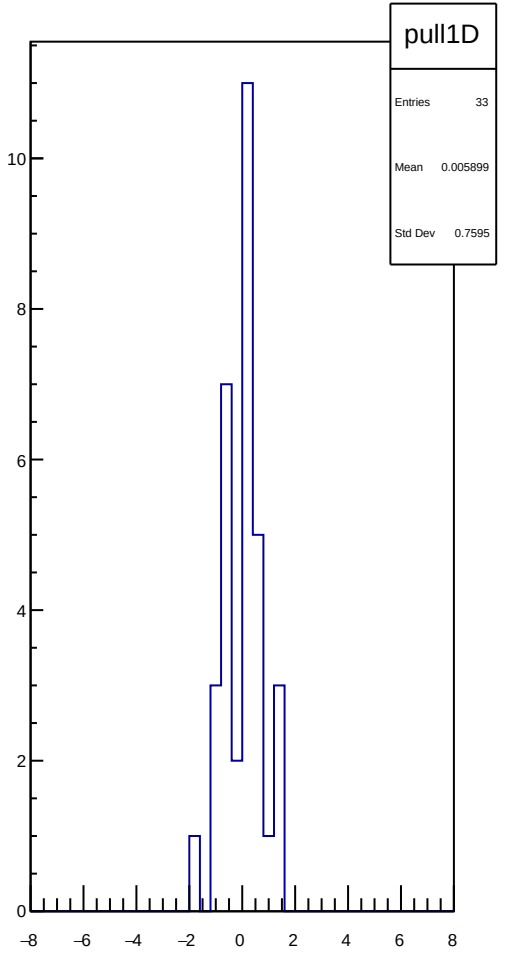

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.043e+05 / 32
p0 1.531e−10 ± 2.557e−13
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

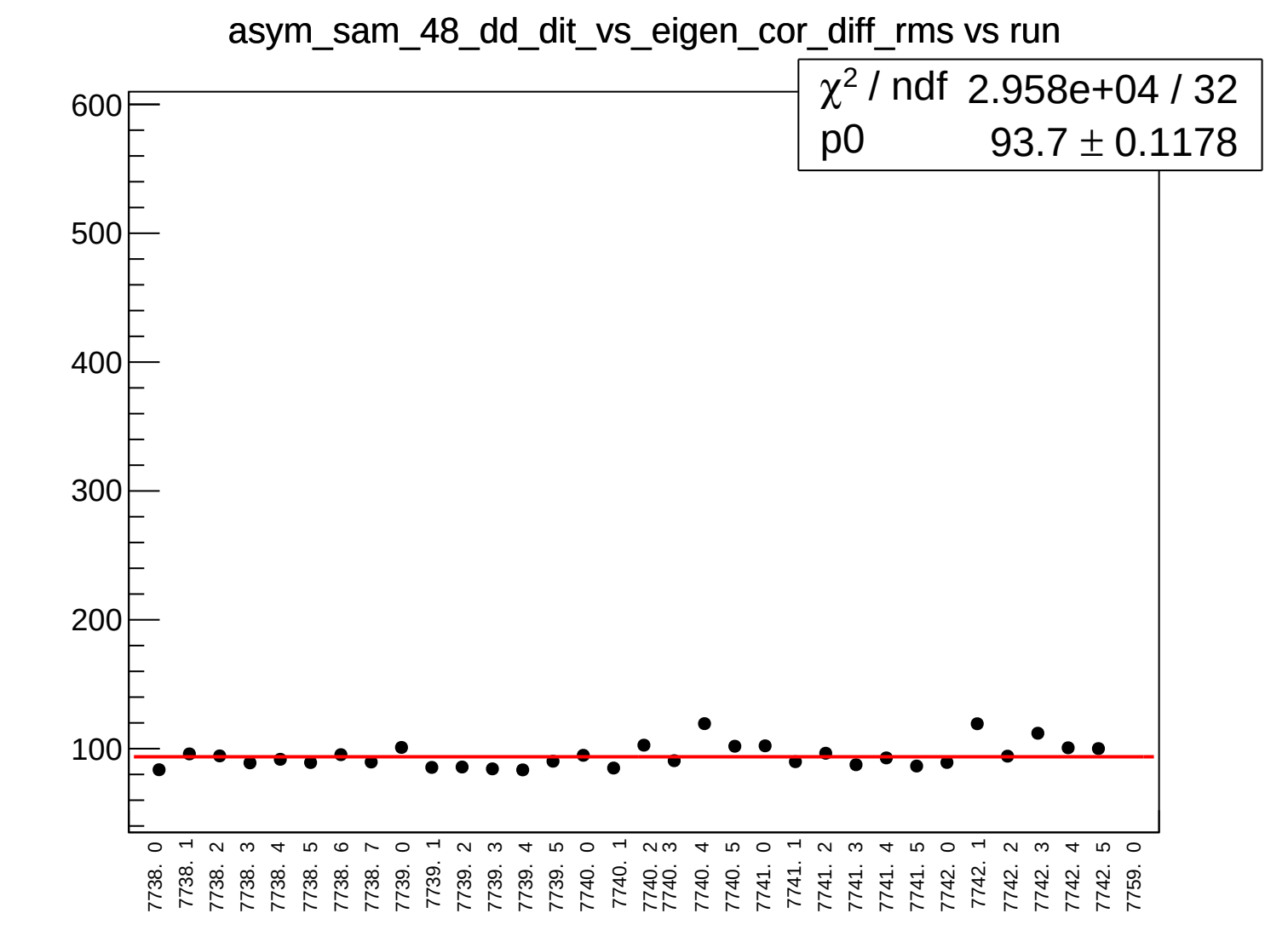

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 19.04 / 32
p0 −0.1269 ± 0.1665
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 78.97
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

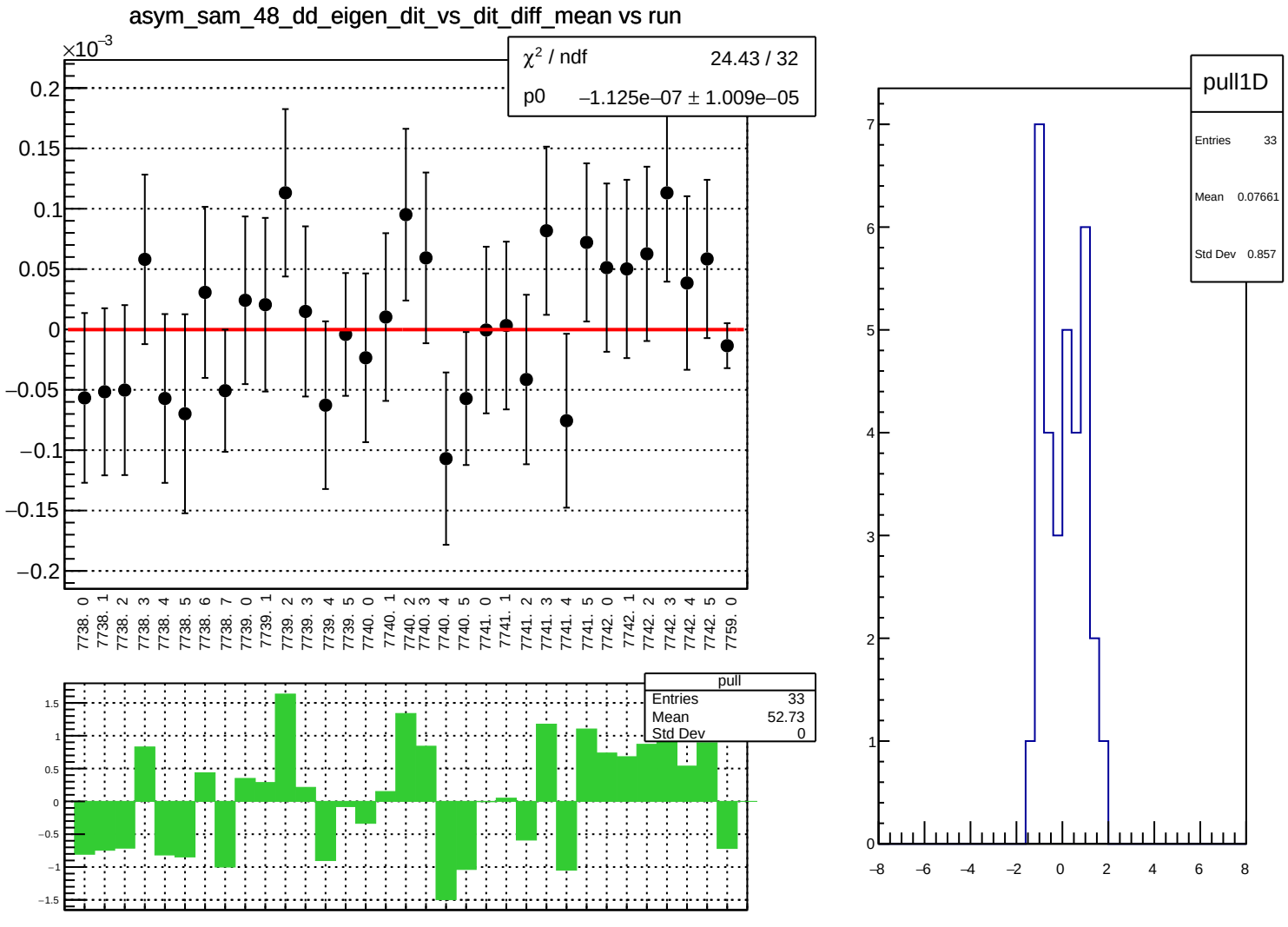

pull1D
Entries 33
Mean 0.005899
Std Dev 0.7595
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

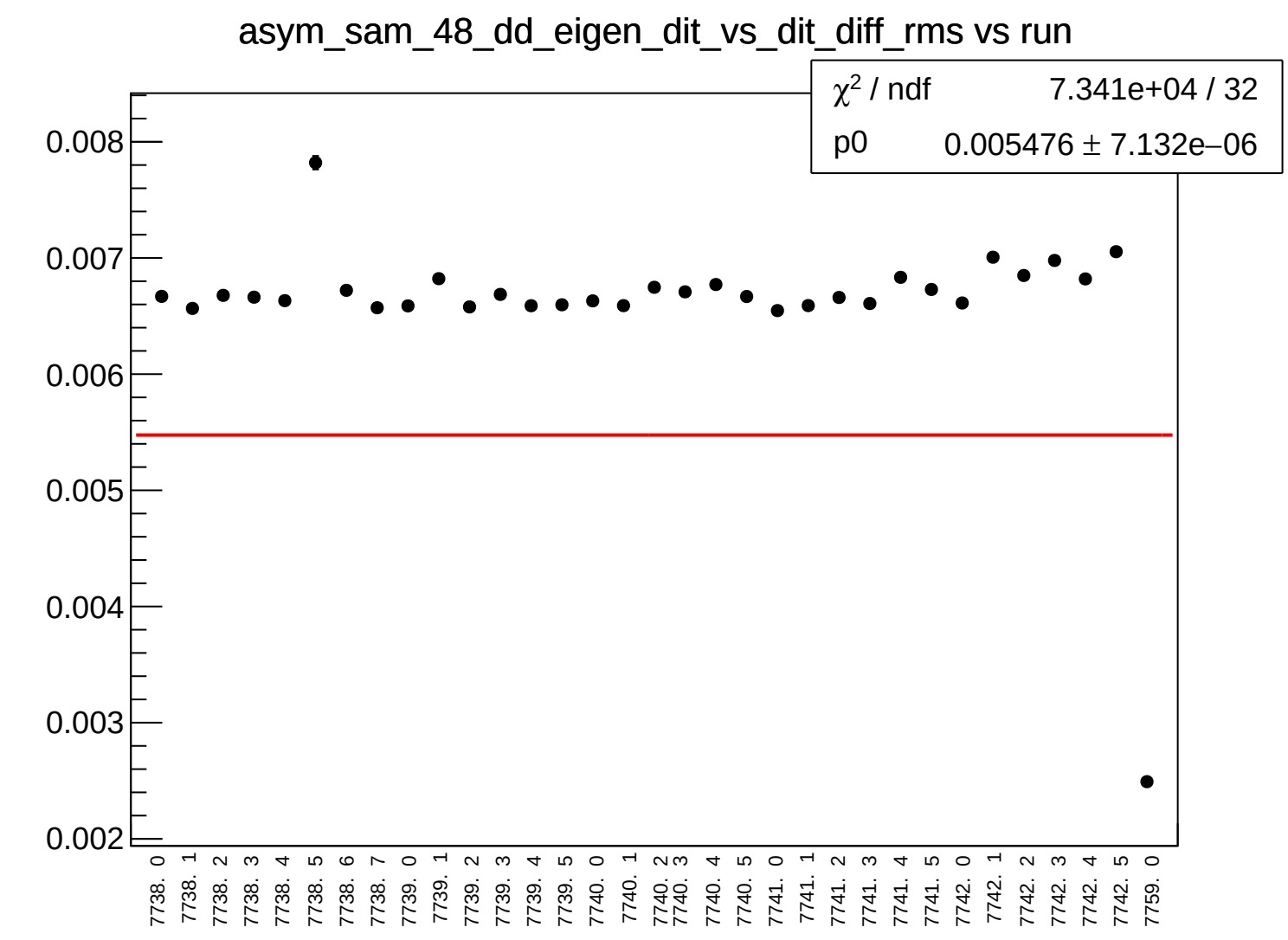

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.958e+04 / 32
p0 93.7 ± 0.1178
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

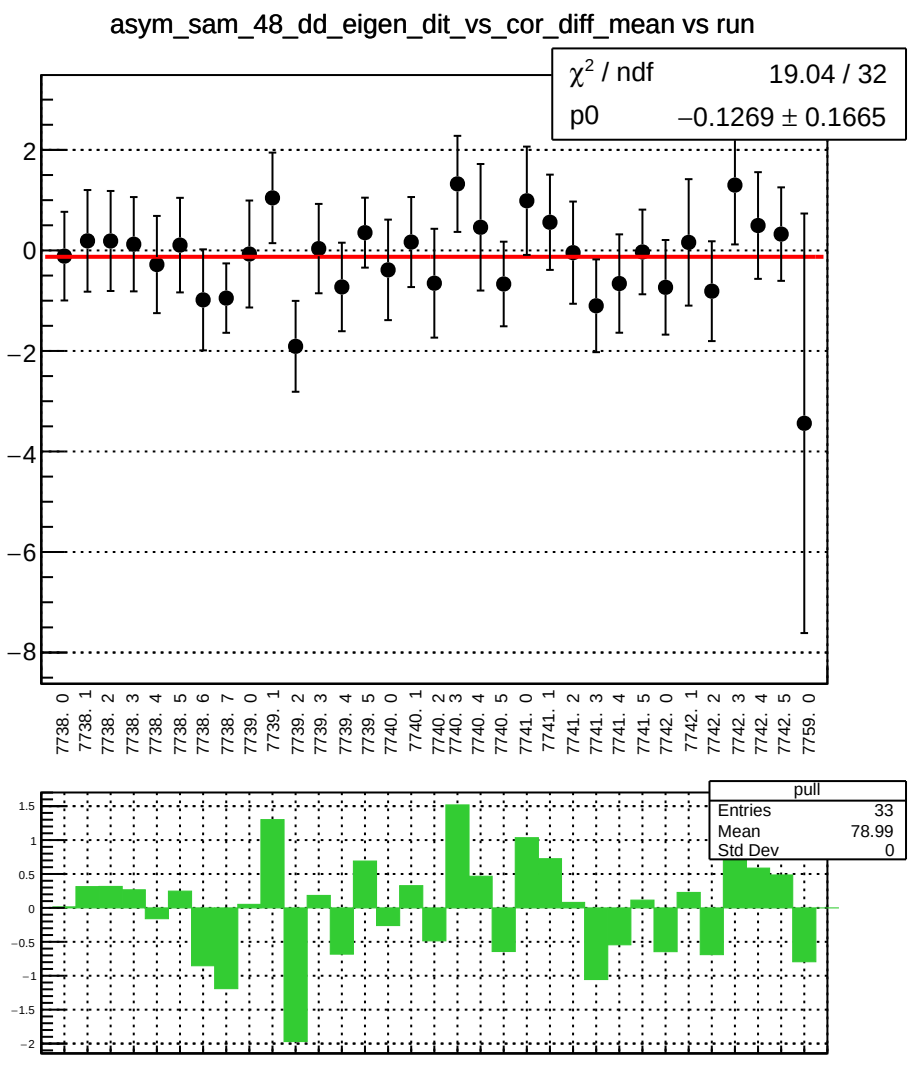

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 19.04 / 32
p0 −0.1269 ± 0.1665
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 78.97
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

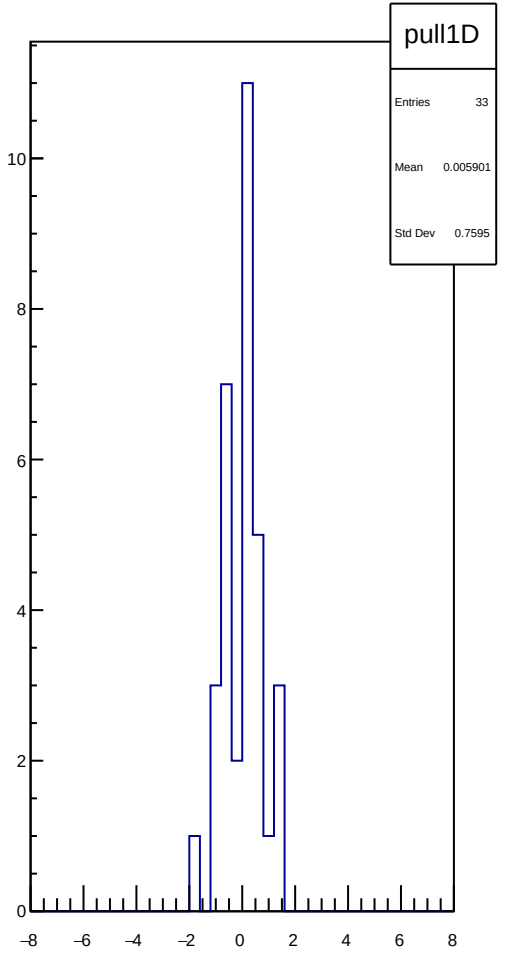

pull1D
Entries 33
Mean 0.005899
Std Dev 0.7595
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

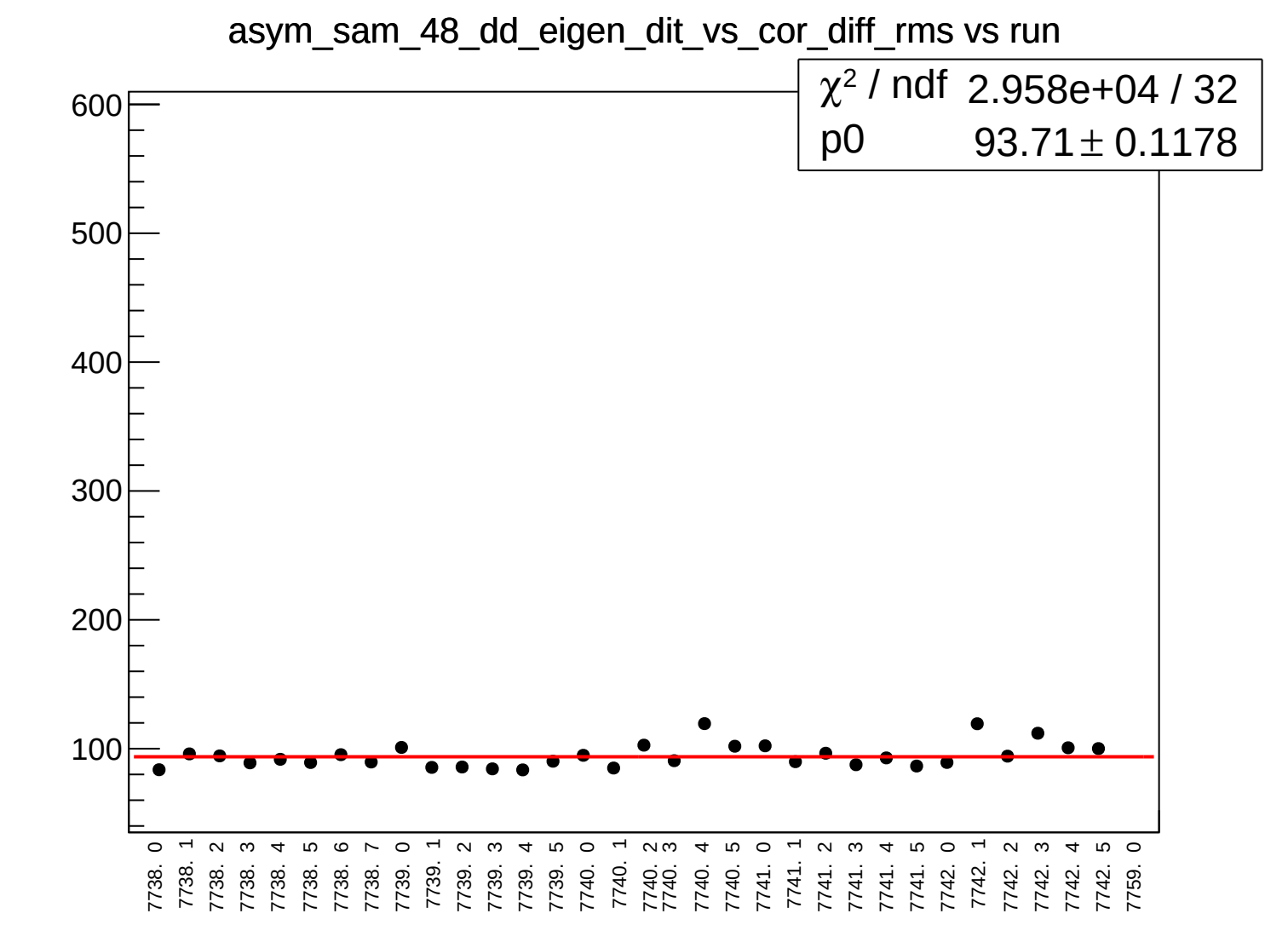

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.958e+04 / 32
p0 93.7 ± 0.1178
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

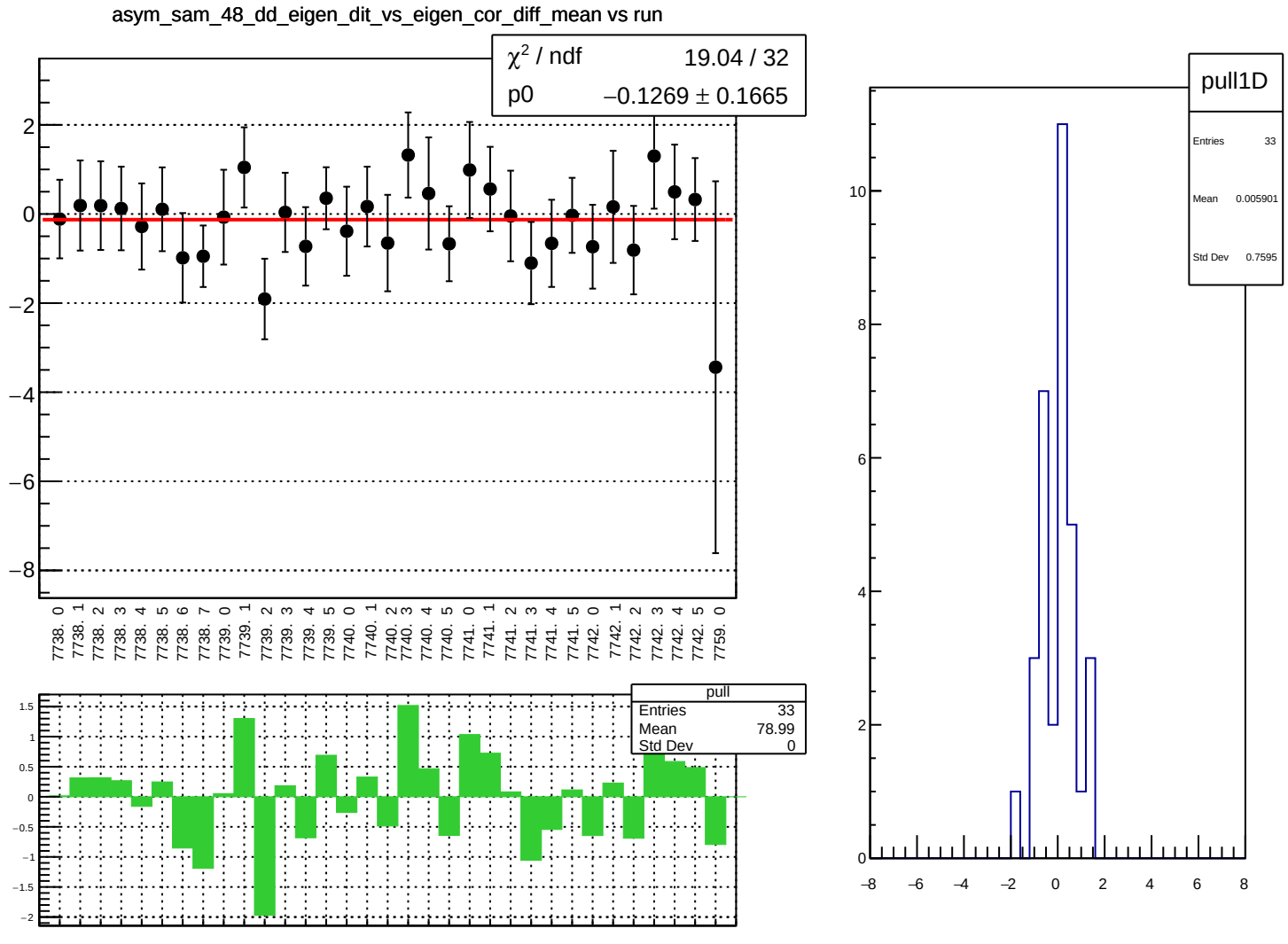

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 24.43 / 32
p0 −1.125e−07 ± 1.009e−05
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 52.73
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.07661
Std Dev 0.857
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

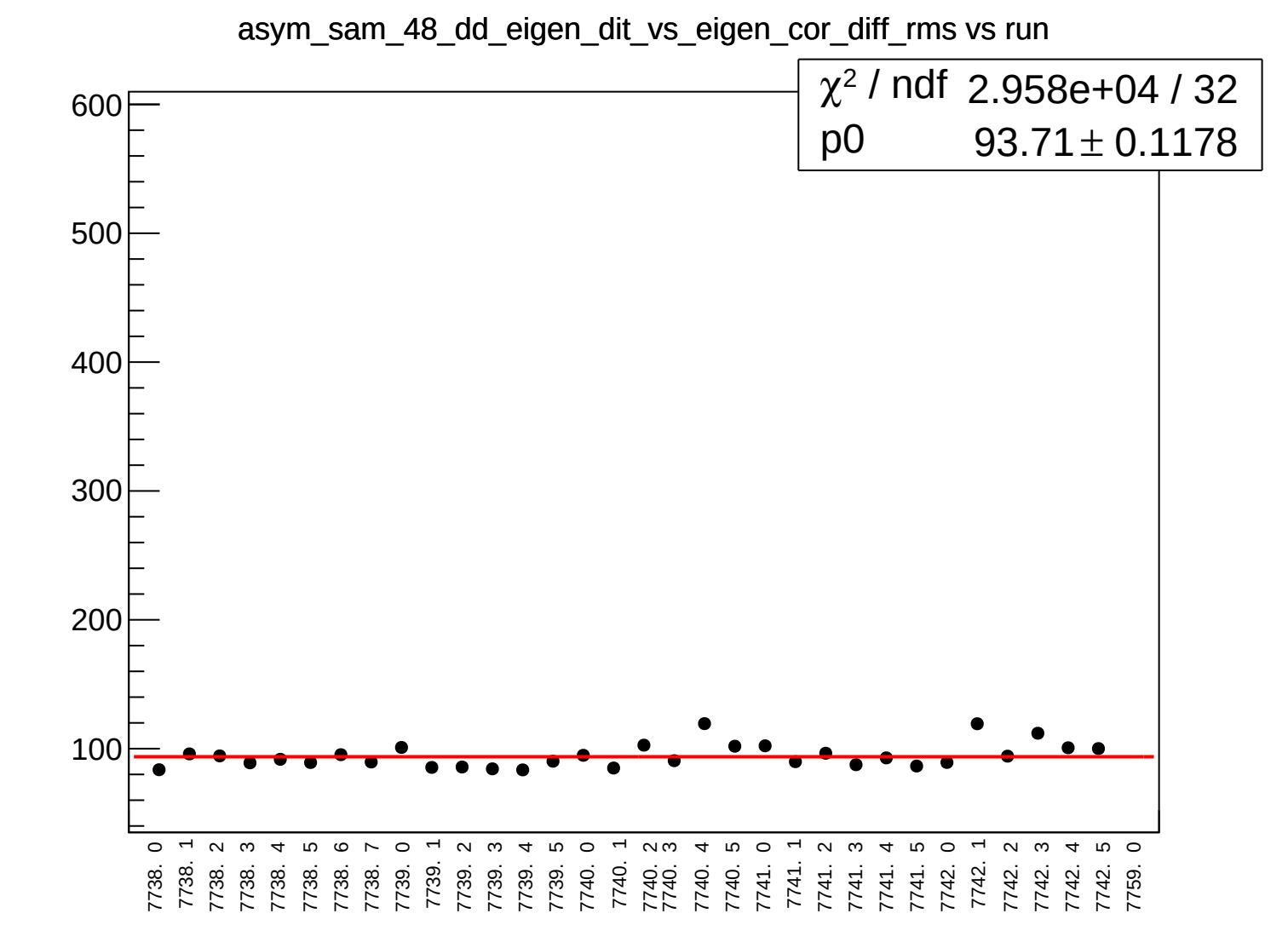

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.341e+04 / 32
p0 0.005476 ± 7.132e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

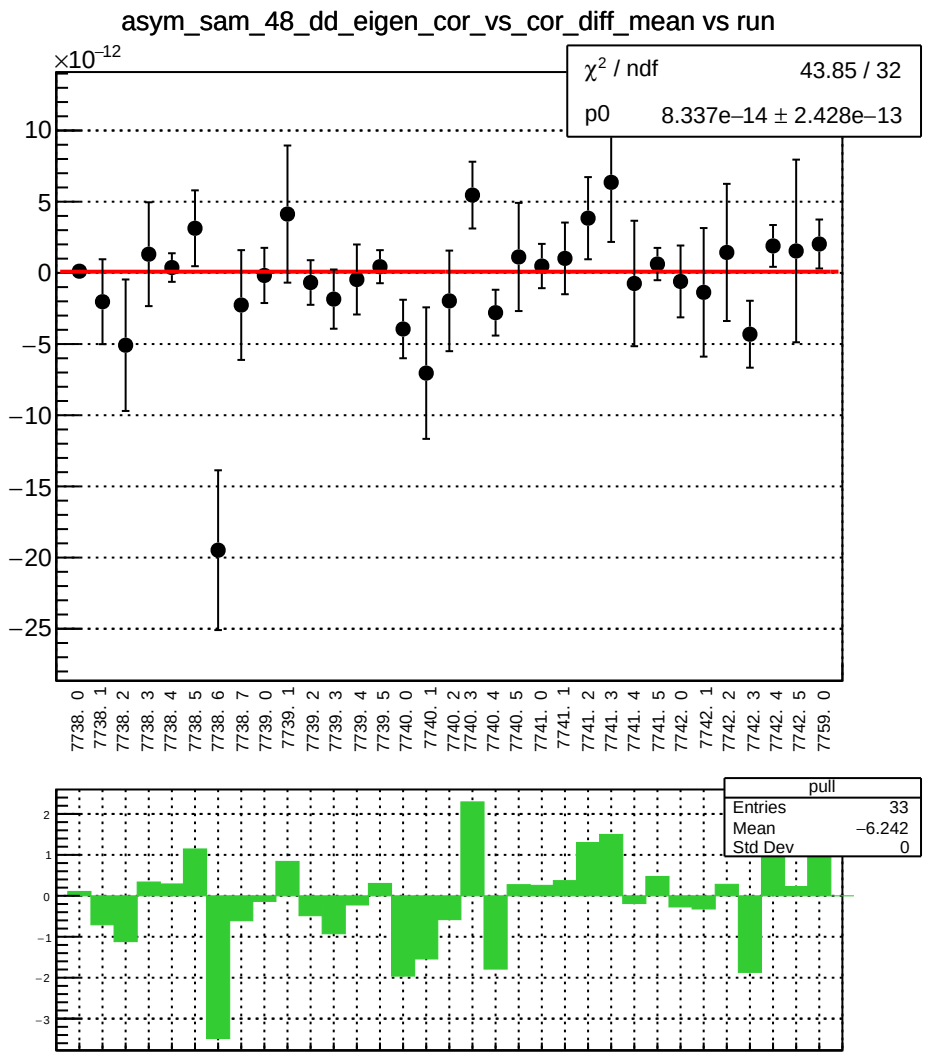

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 19.04 / 32
p0 −0.1269 ± 0.1665
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 78.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

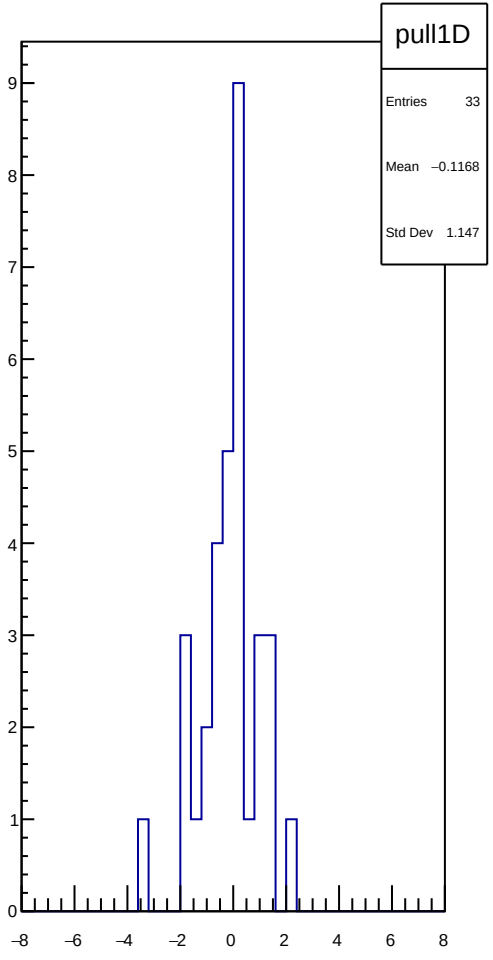

pull1D
Entries 33
Mean 0.005901
Std Dev 0.7595
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

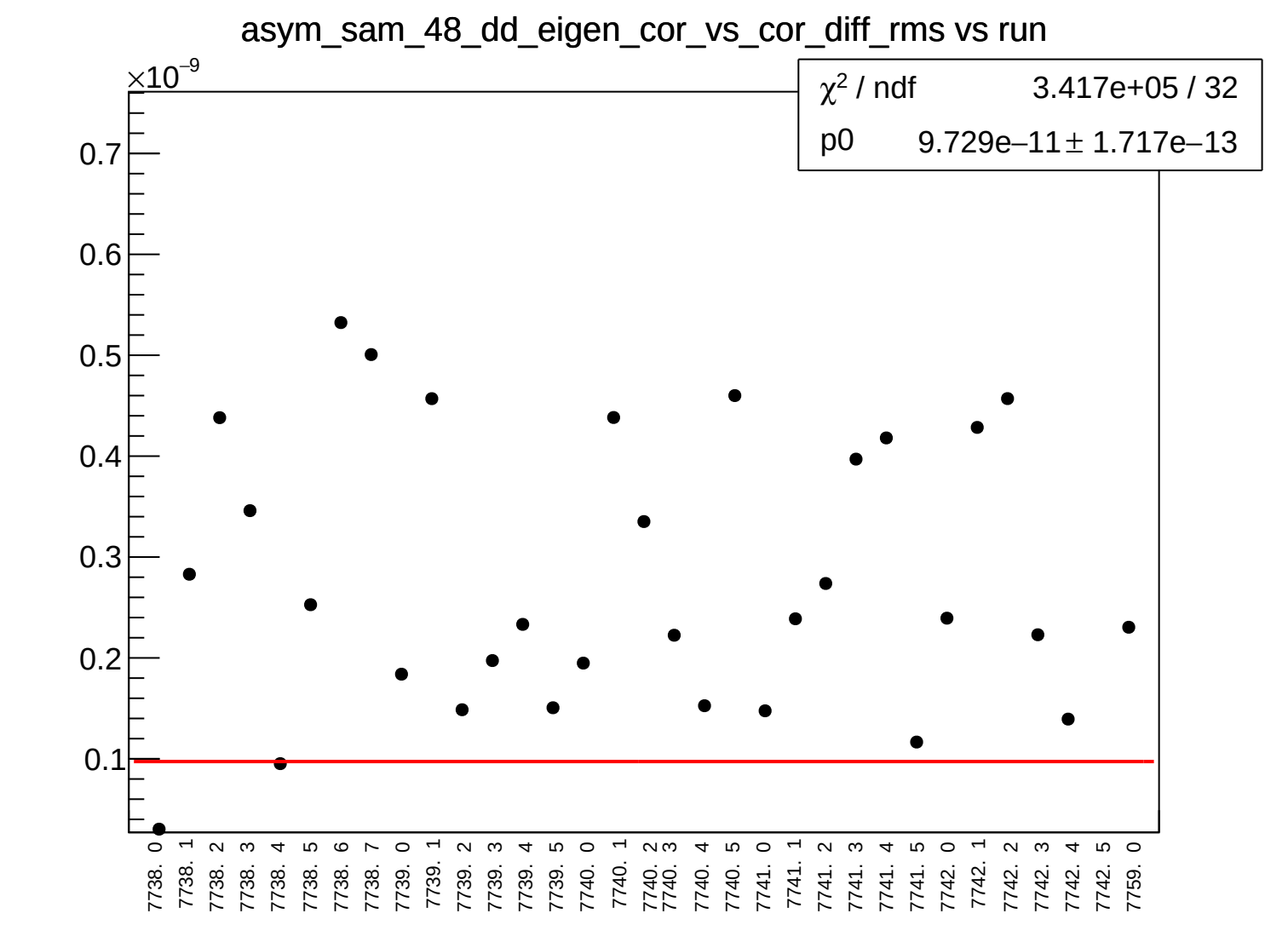

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.958e+04 / 32
p0 93.71 ± 0.1178
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

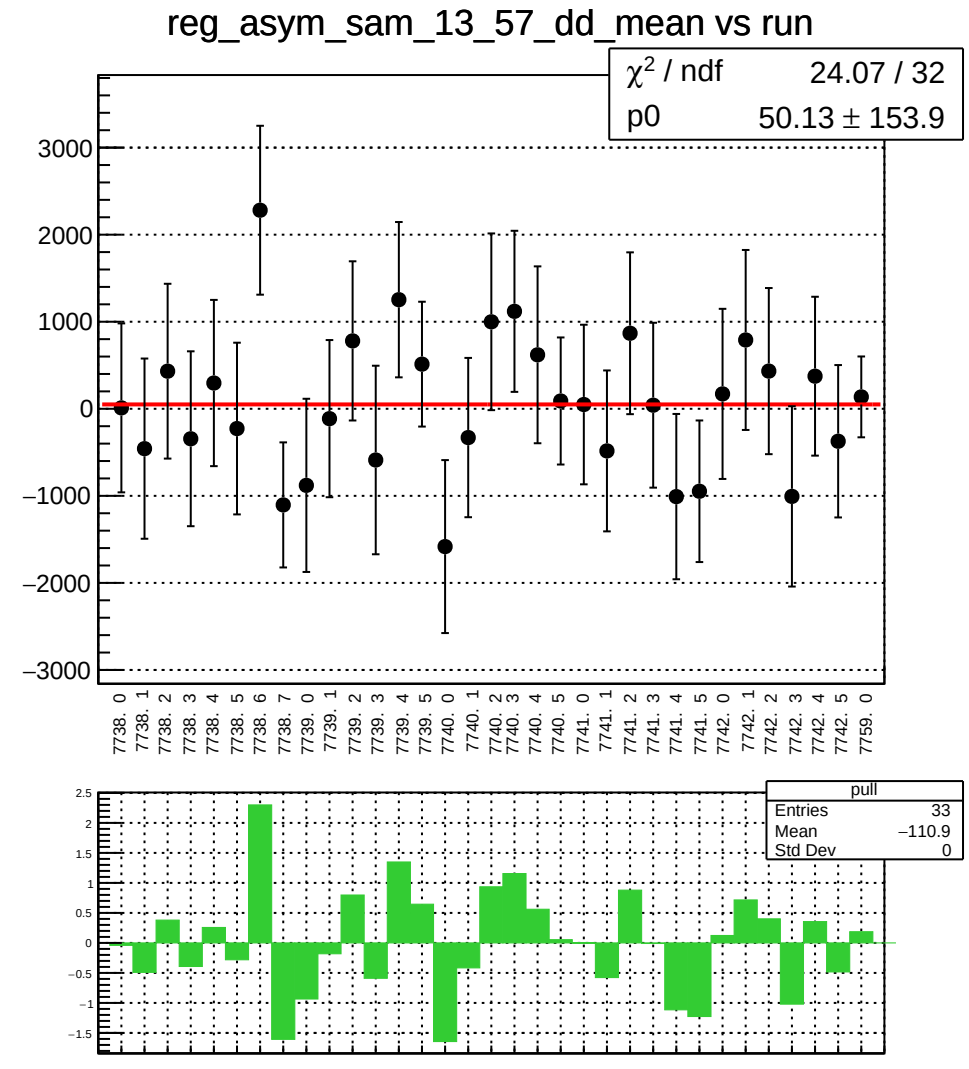

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 19.04 / 32
p0 −0.1269 ± 0.1665
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 78.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.005901
Std Dev 0.7595
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

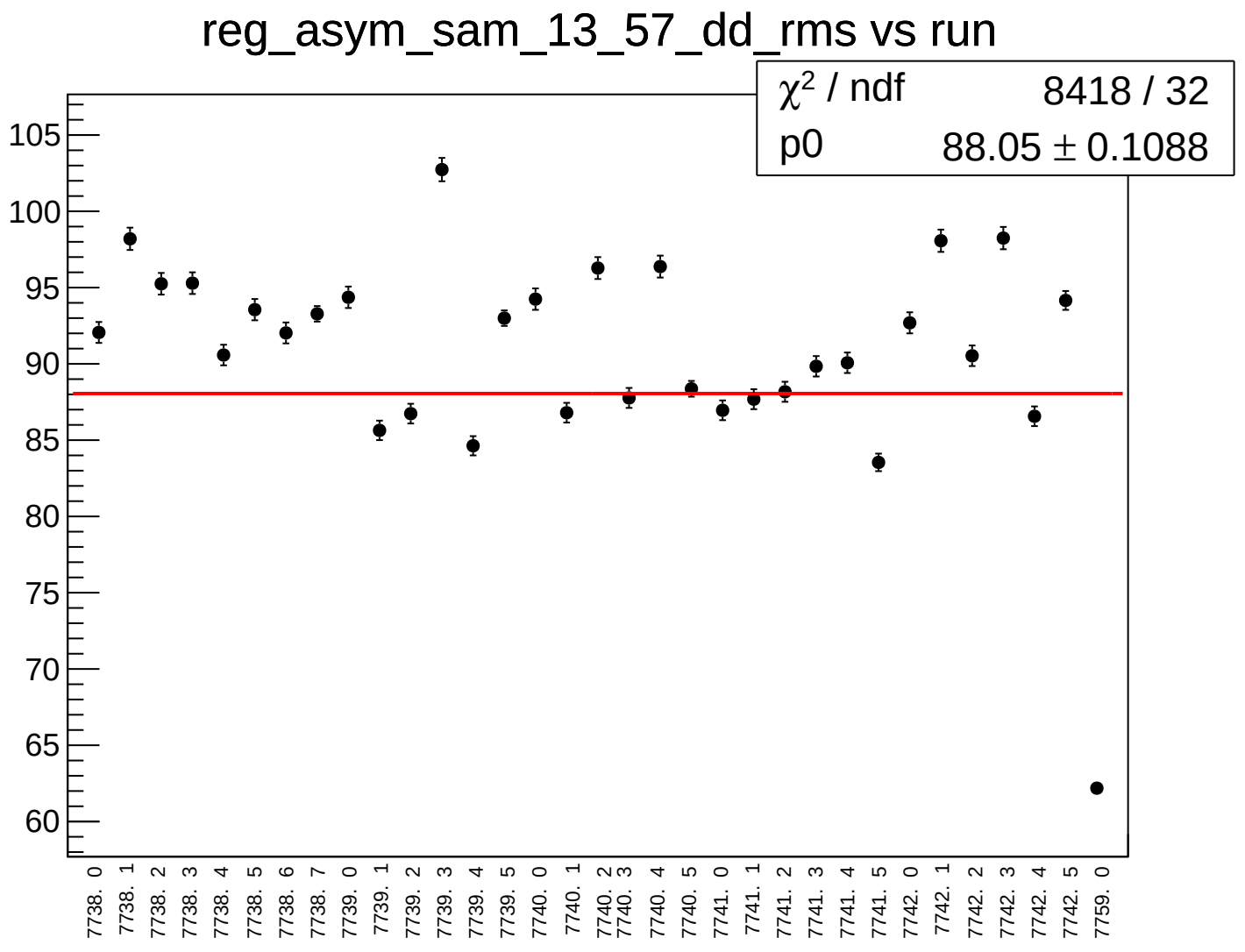

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.958e+04 / 32
p0 93.71 ± 0.1178
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

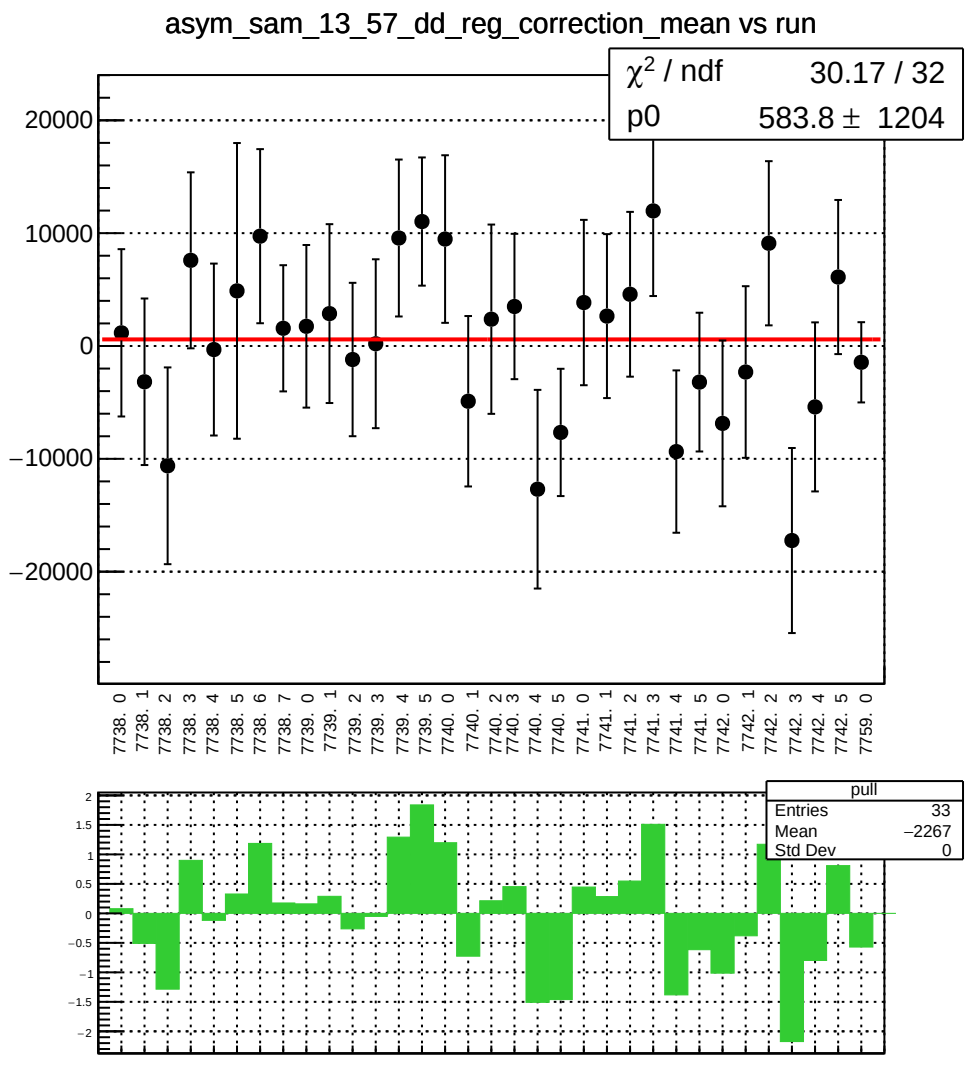

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.85 / 32
p0 8.337e−14 ± 2.428e−13
10
5
0
−5
−10
−15
−20
−25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.242
Std Dev 0
2
1
0
−1
−2
−3

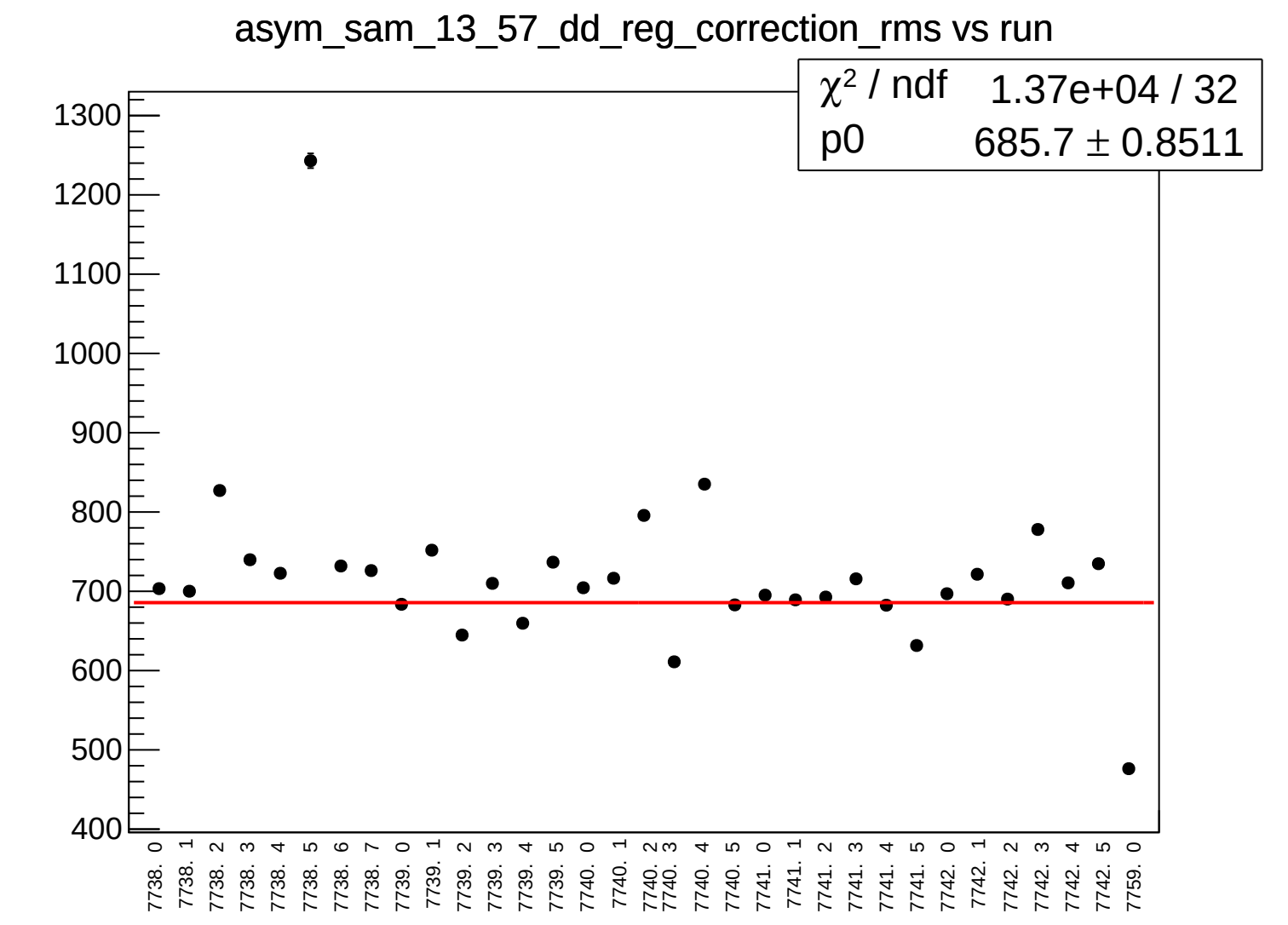

pull1D
Entries 33
Mean −0.1168
Std Dev 1.147
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

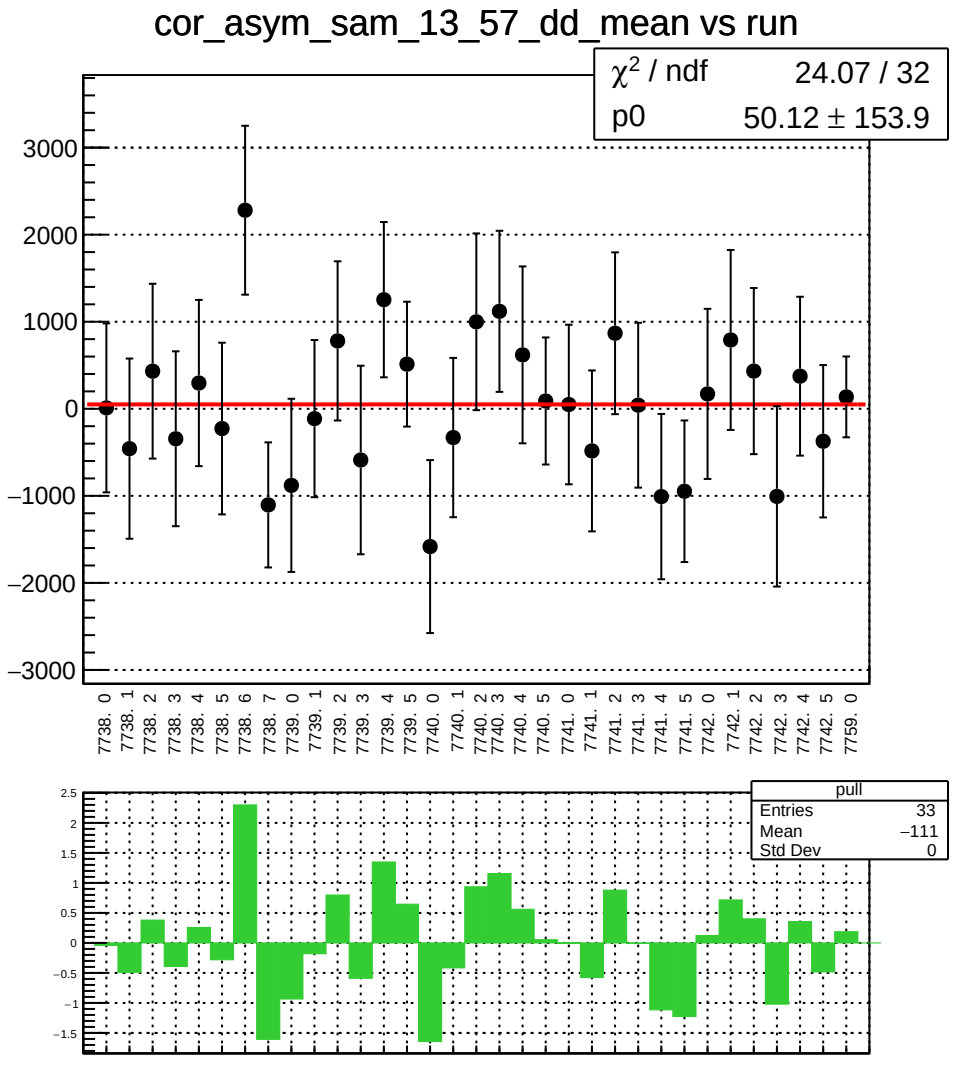

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.417e+05 / 32
p0 9.729e−11 ± 1.717e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

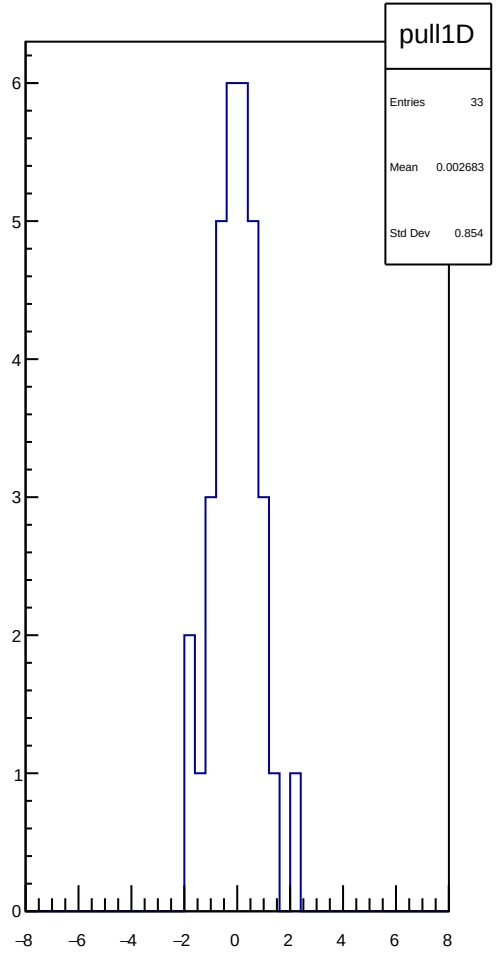

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 24.07 / 32
p0 50.13 ± 153.9
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −110.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.002684
Std Dev 0.854
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

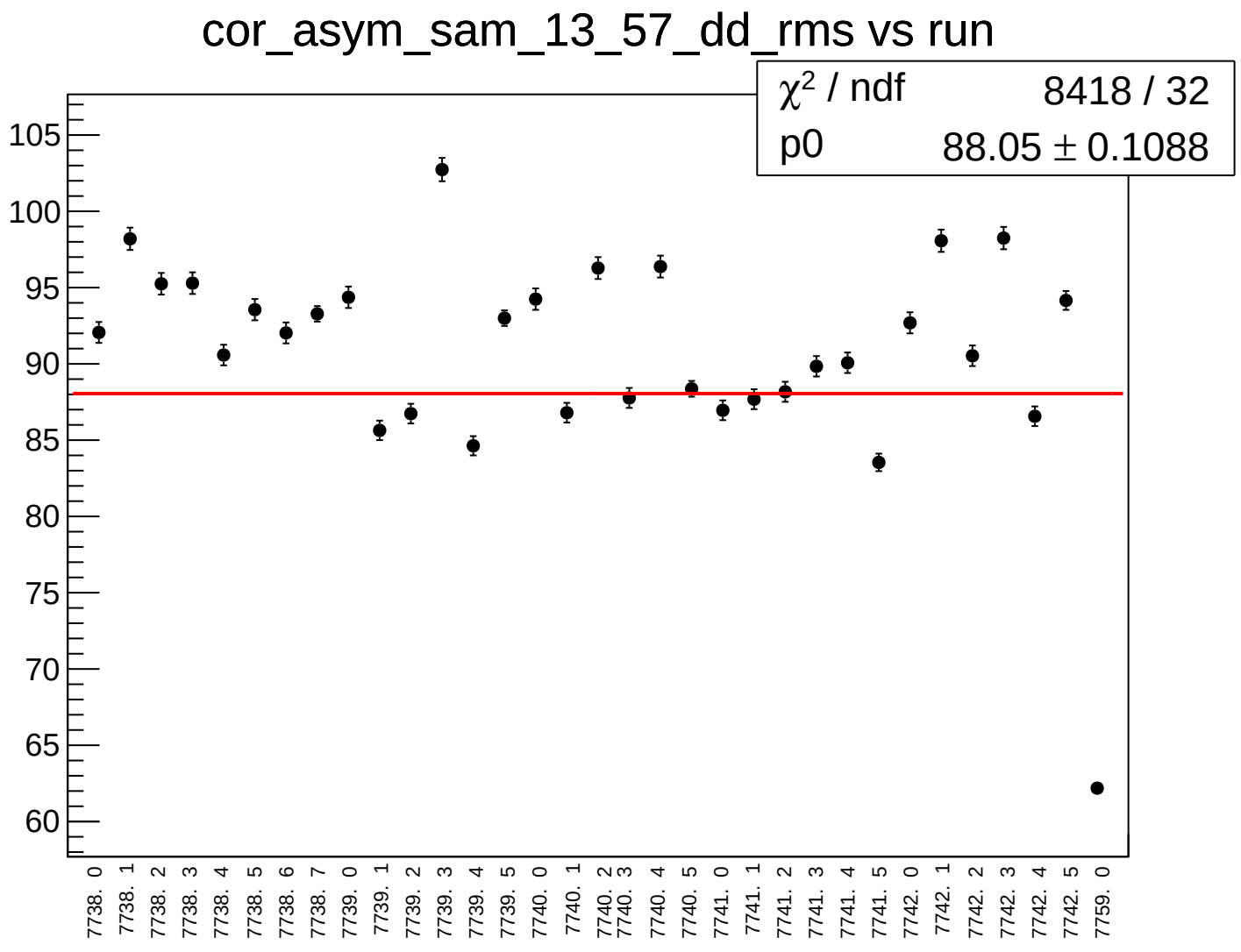

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 8418 / 32
p0 88.05 ± 0.1088
105
100
95
90
85
80
75
70
65
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

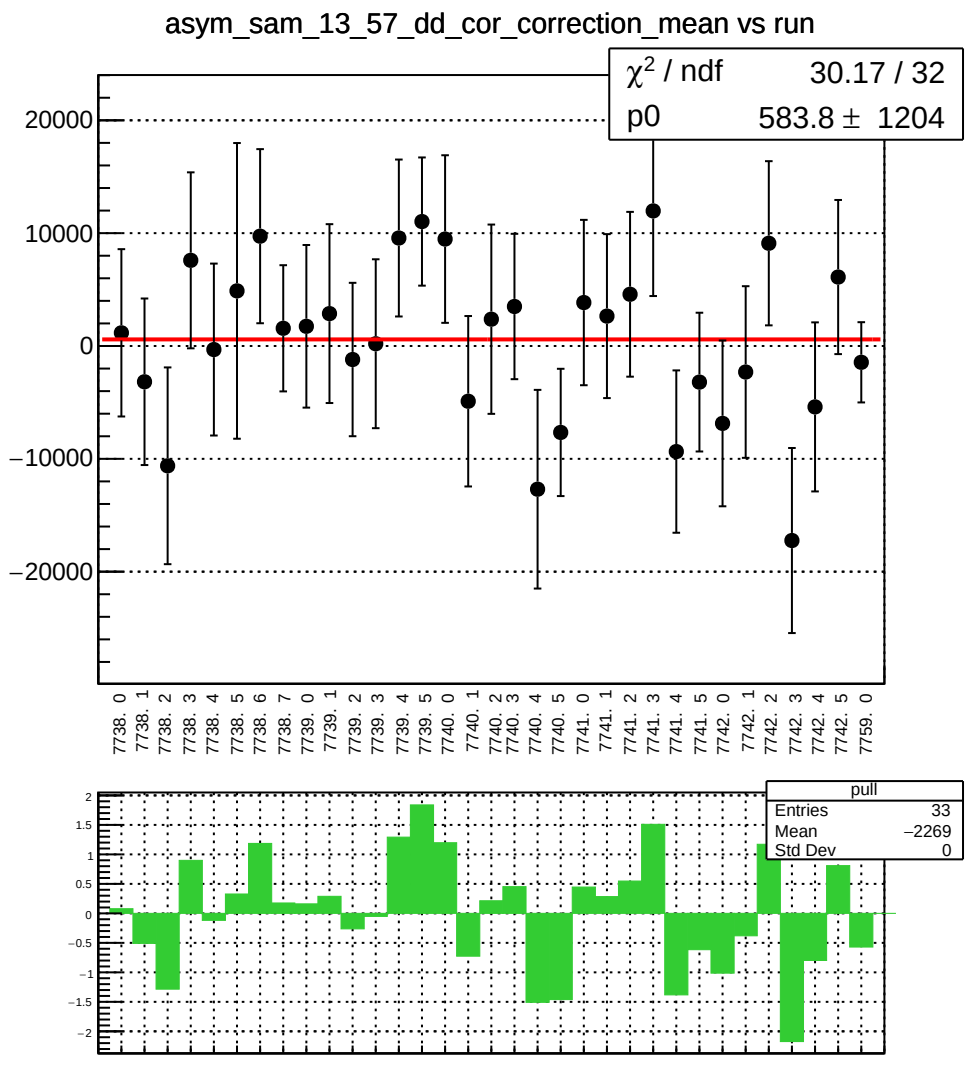

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 30.17 / 32
p0 583.8 ± 1204
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2267
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.0007958
Std Dev 0.9561
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

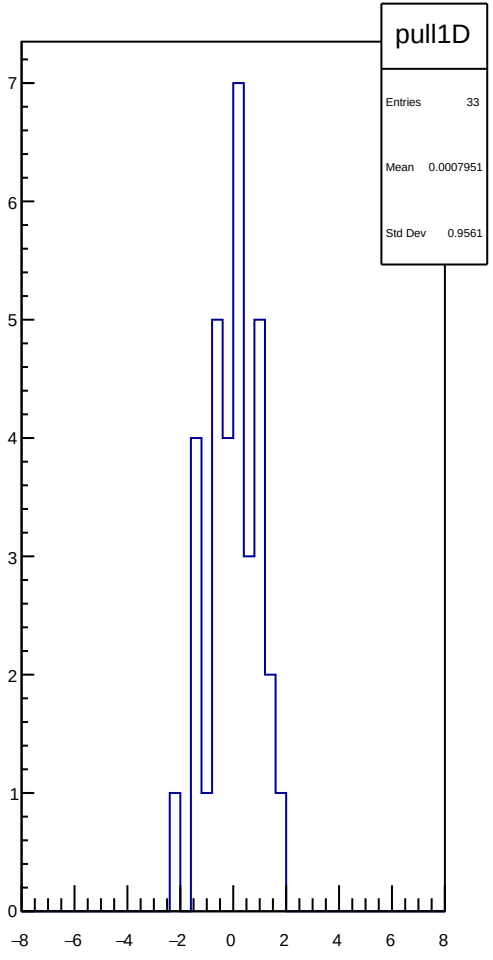

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 1.37e+04 / 32
p0 685.7 ± 0.8511
1300
1200
1100
1000
900
800
700
600
500
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

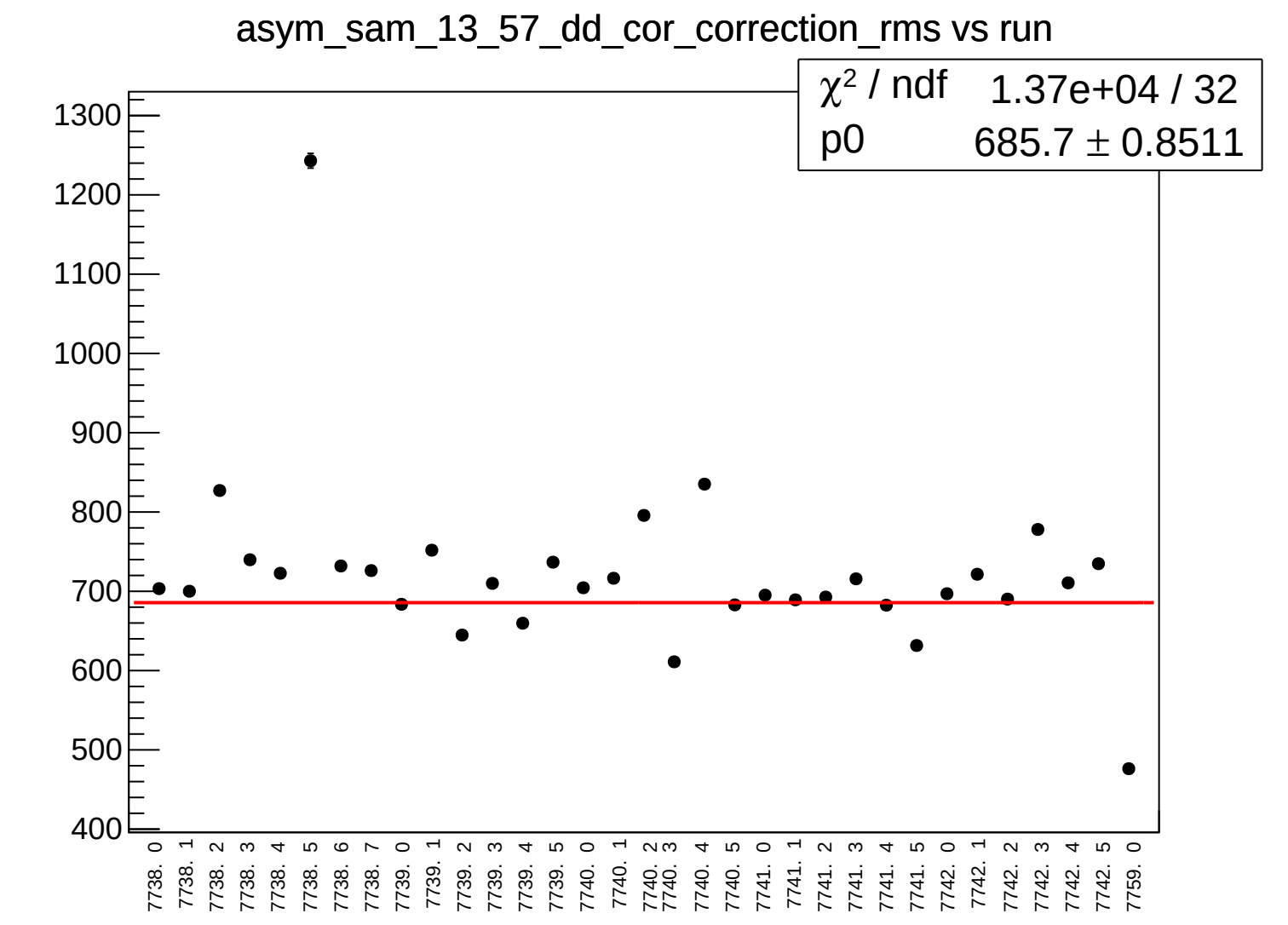

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 24.07 / 32
p0 50.12 ± 153.9
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −111
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

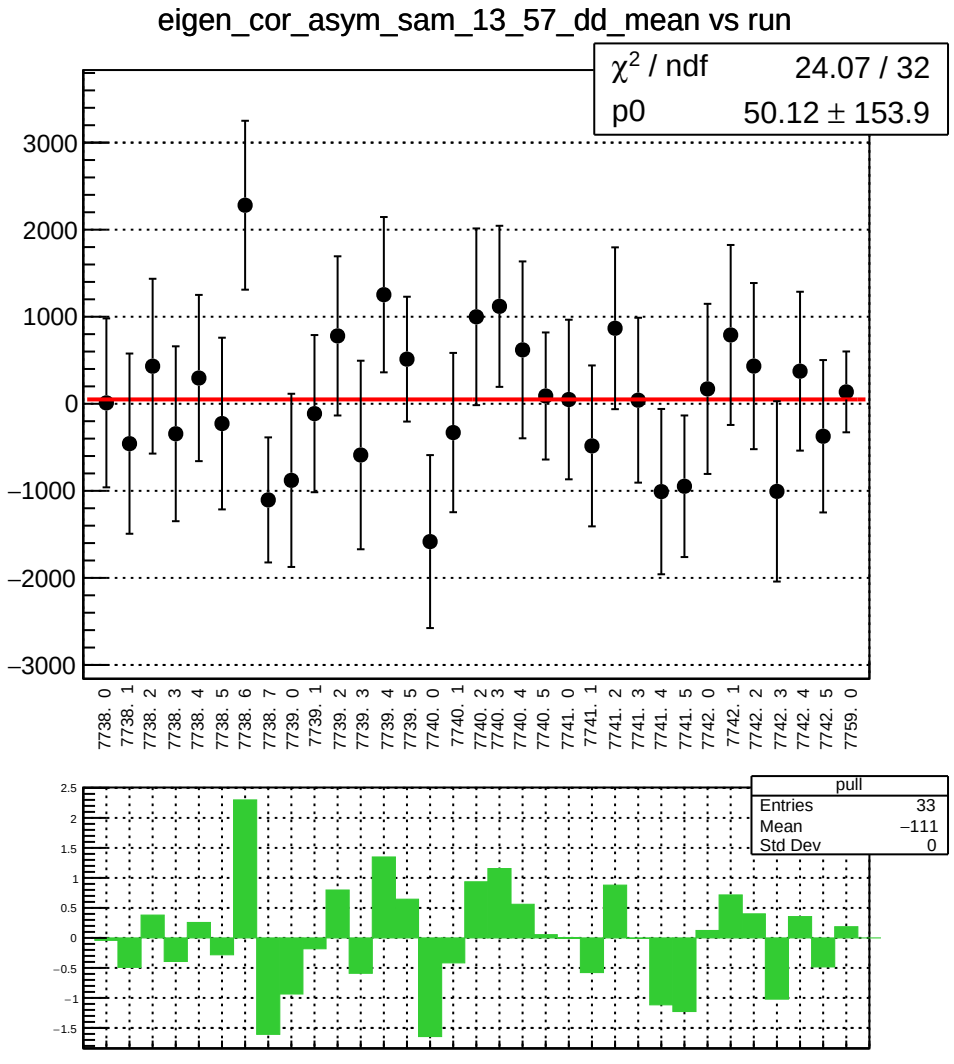

pull1D
Entries 33
Mean 0.002683
Std Dev 0.854
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

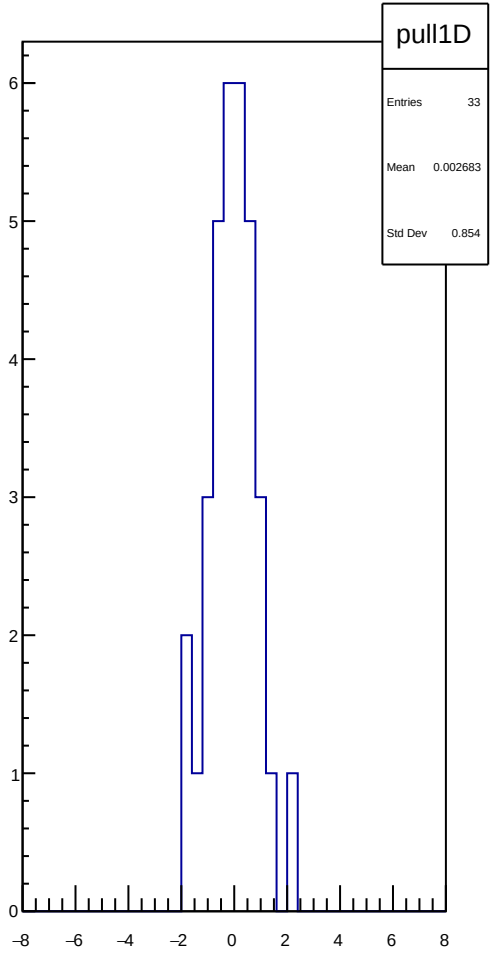

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 8418 / 32
p0 88.05 ± 0.1088
105
100
95
90
85
80
75
70
65
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

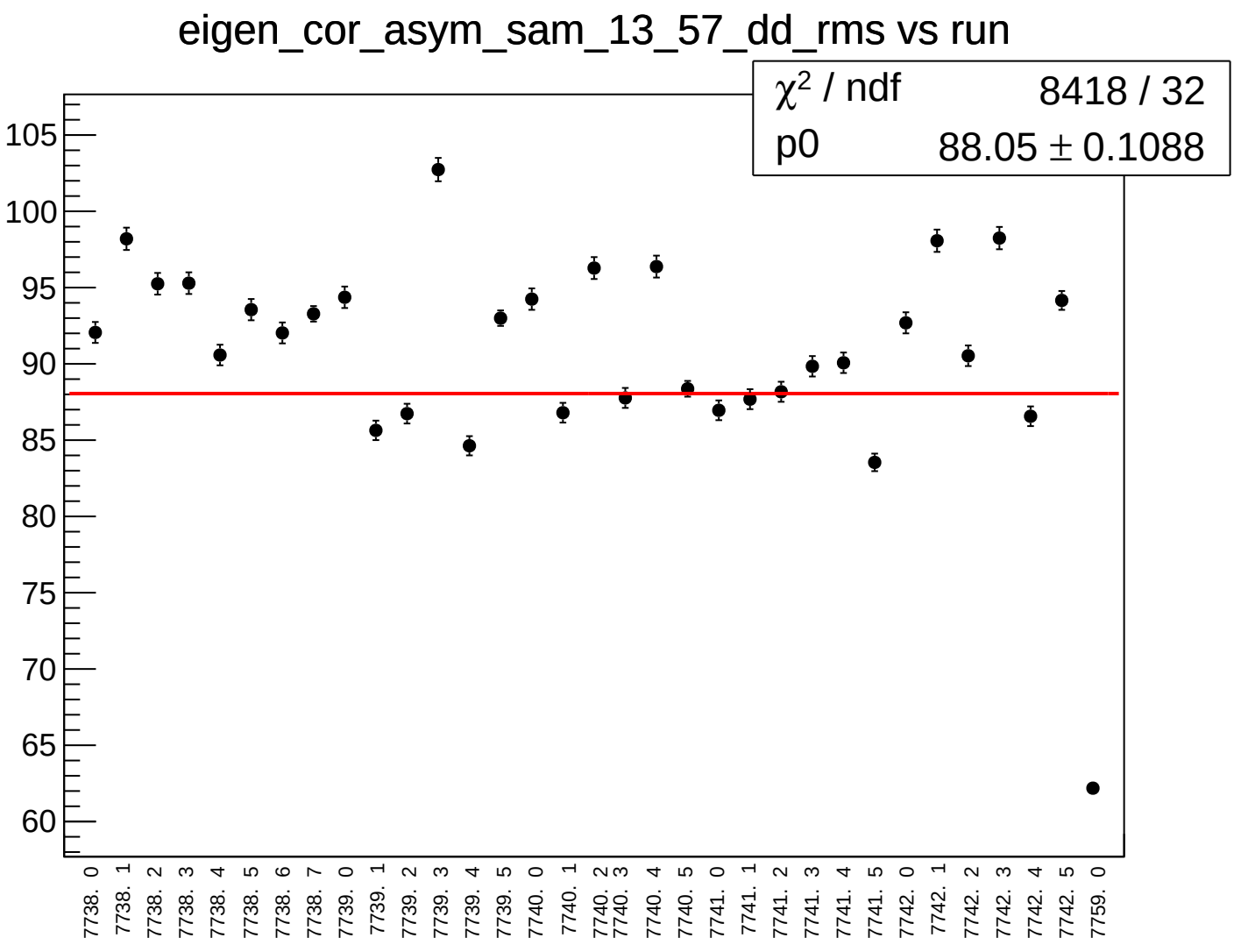

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 30.17 / 32
p0 583.8 ± 1204
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2269
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

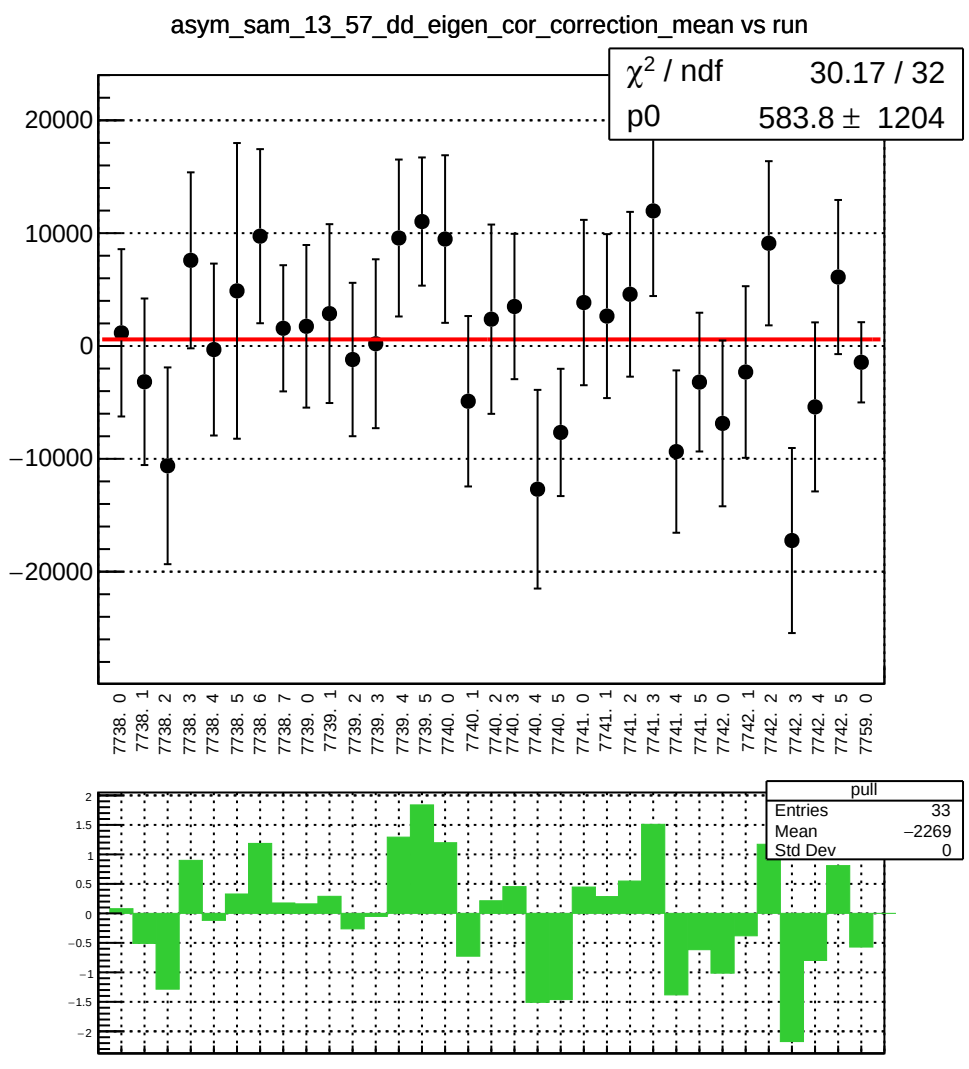

pull1D
Entries 33
Mean 0.0007951
Std Dev 0.9561
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

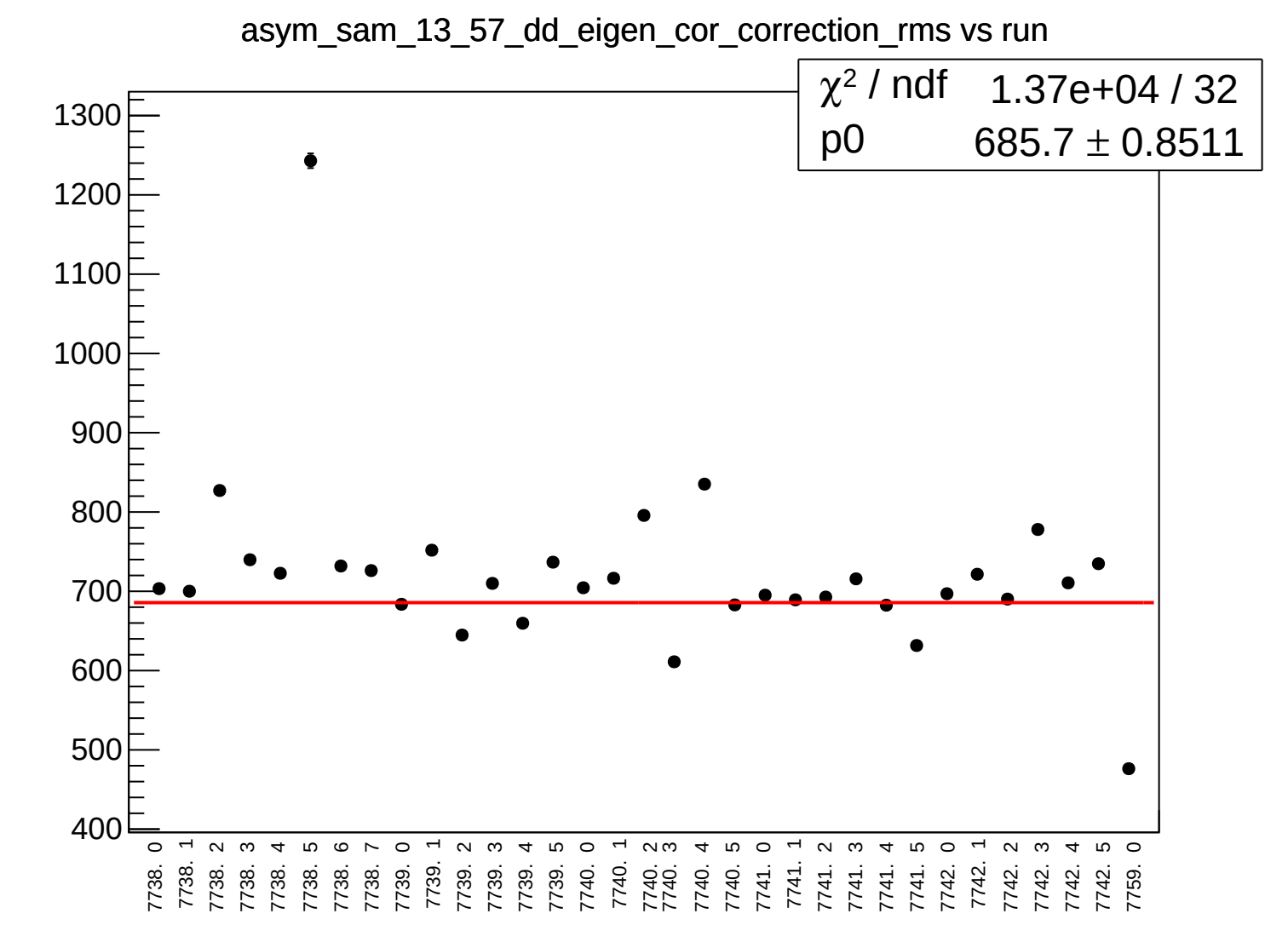

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 1.37e+04 / 32
p0 685.7 ± 0.8511
1300
1200
1100
1000
900
800
700
600
500
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

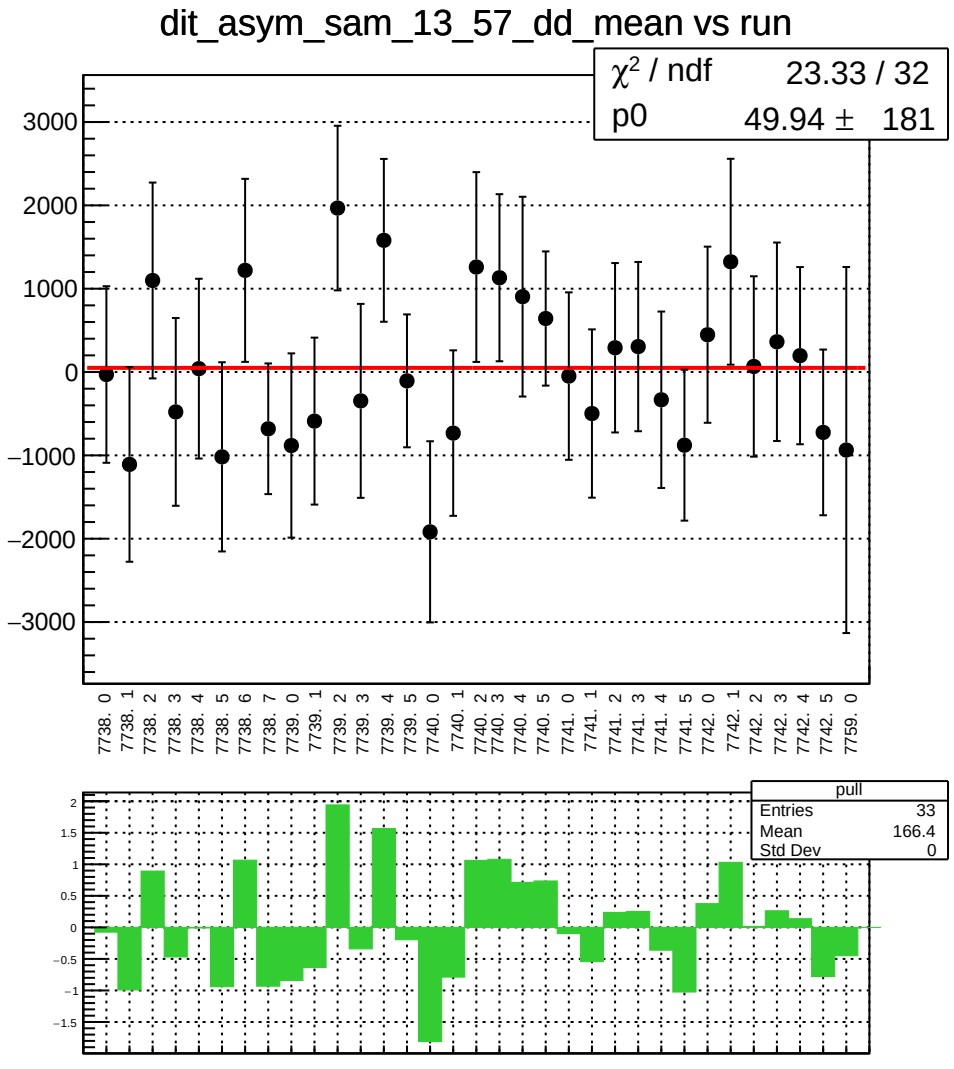

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 24.07 / 32
p0 50.12 ± 153.9
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −111
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

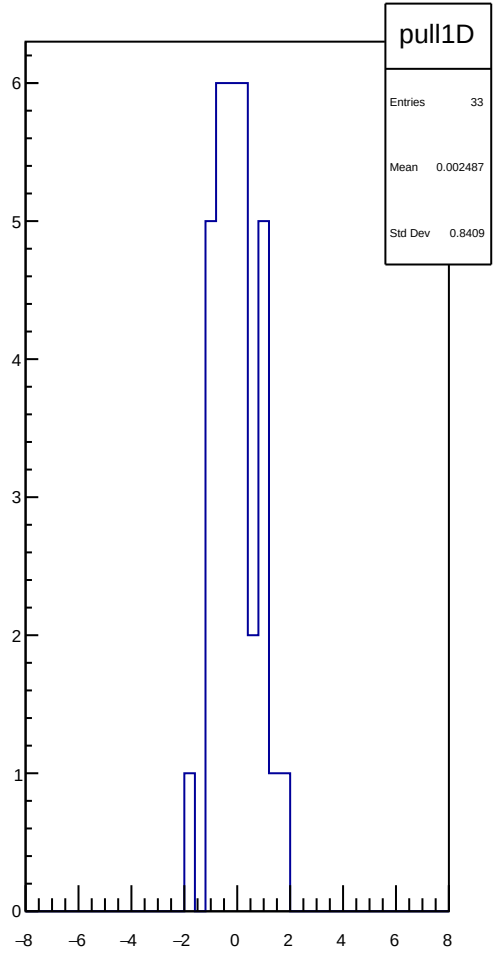

pull1D
Entries 33
Mean 0.002683
Std Dev 0.854
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

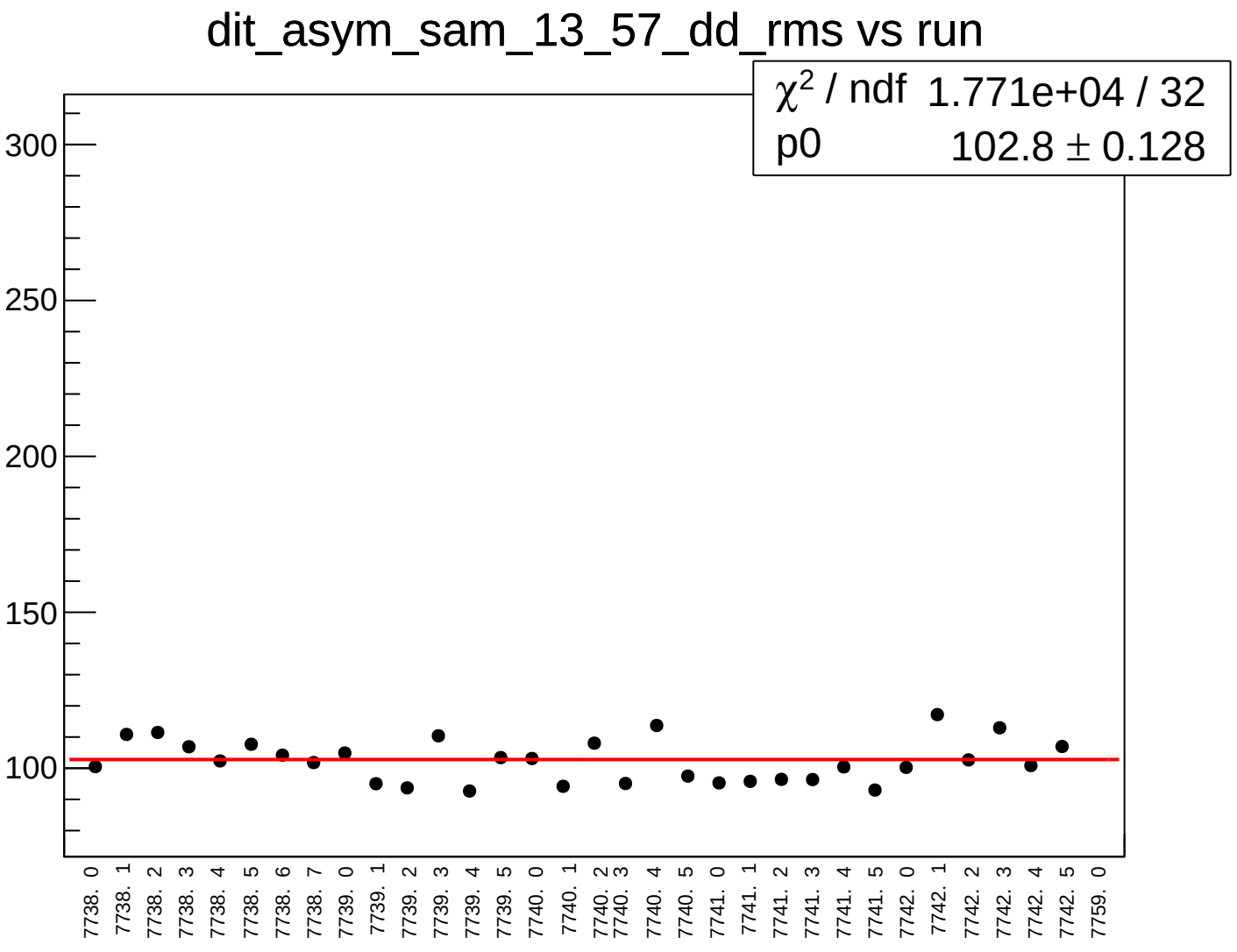

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 8418 / 32
p0 88.05 ± 0.1088
105
100
95
90
85
80
75
70
65
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

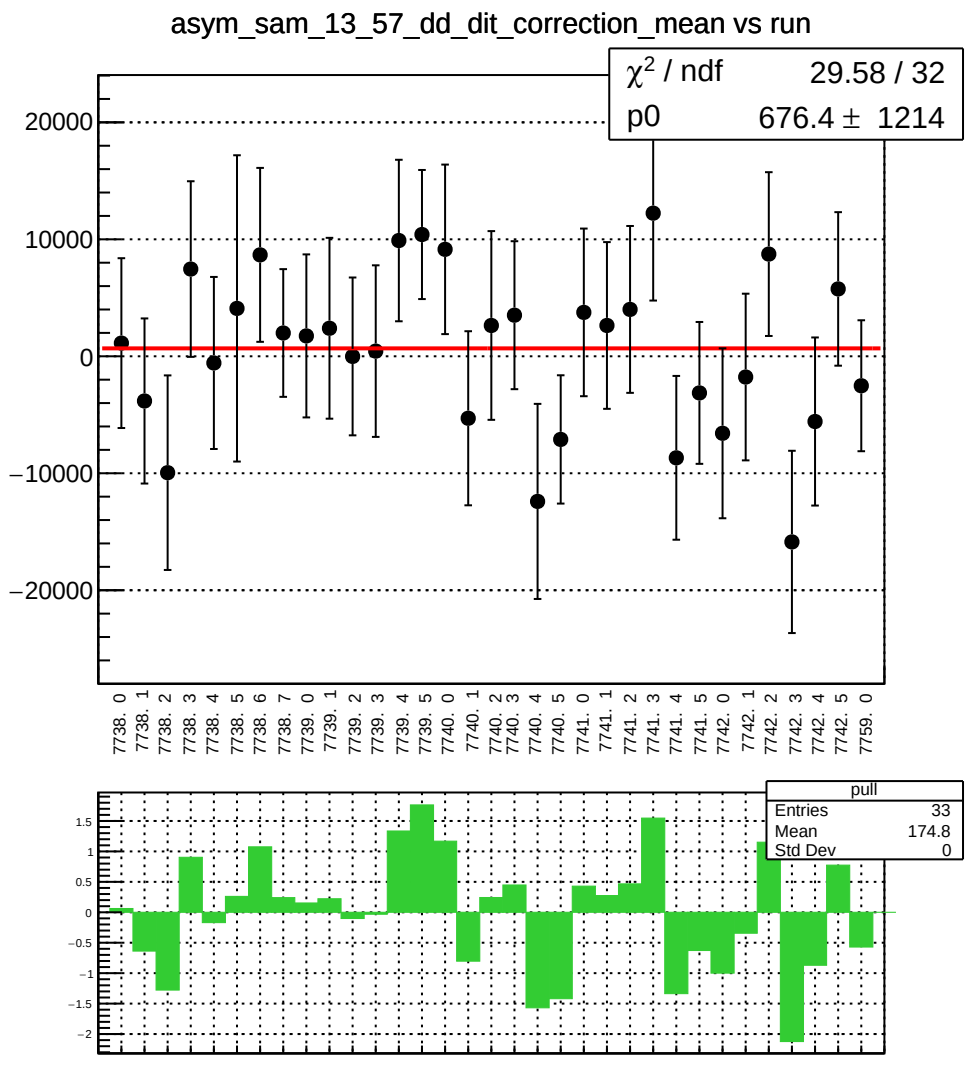

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.17 / 32
p0 583.8 ± 1204
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2269
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.0007951
Std Dev 0.9561
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

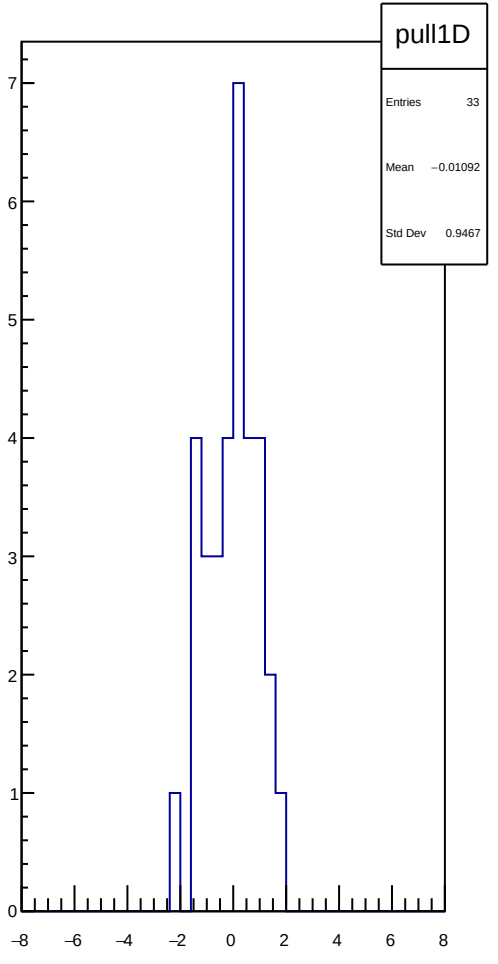

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.37e+04 / 32
p0 685.7 ± 0.8511
1300
1200
1100
1000
900
800
700
600
500
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

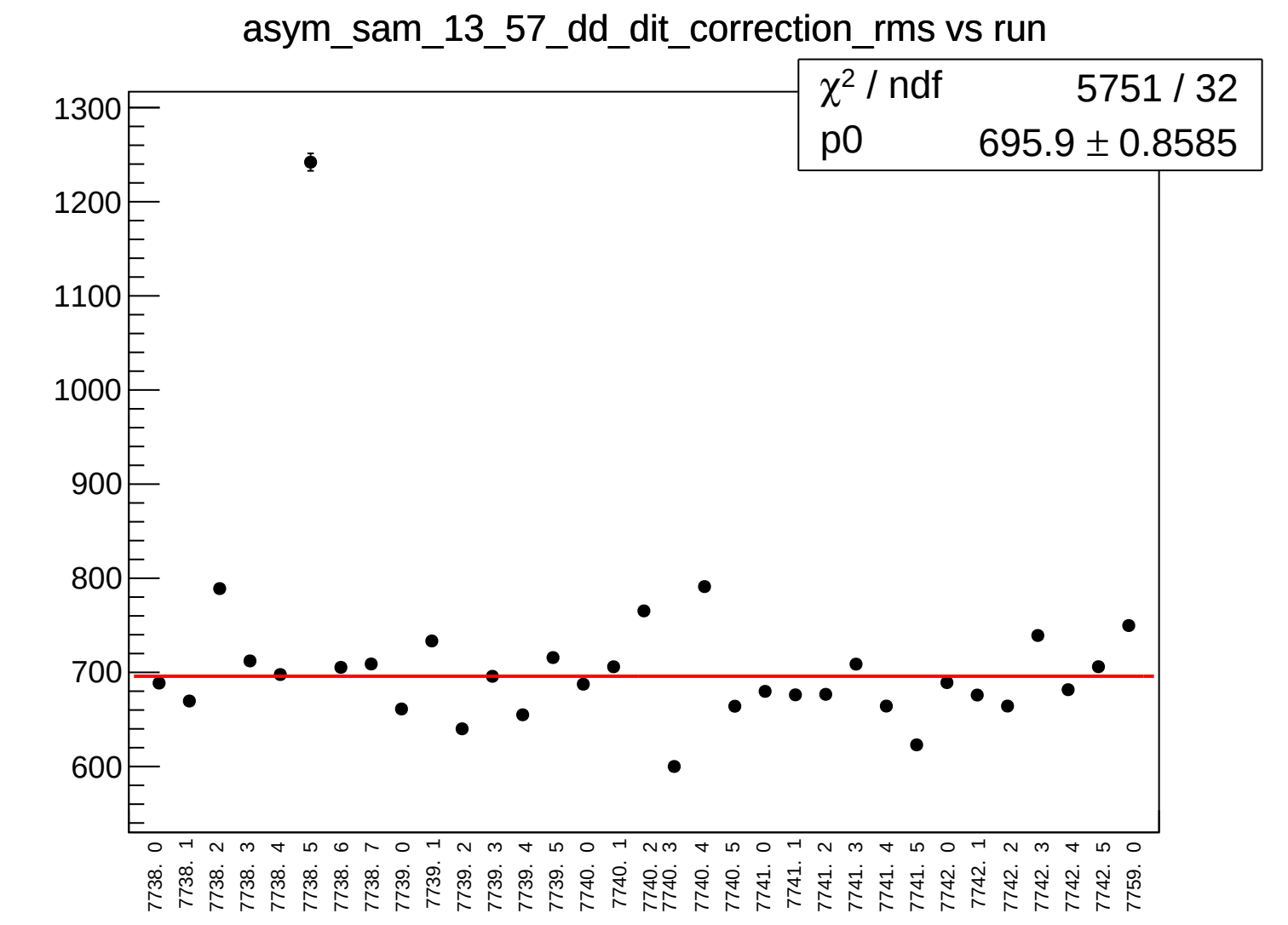

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 23.33 / 32
p0 49.94 ± 181
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 166.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

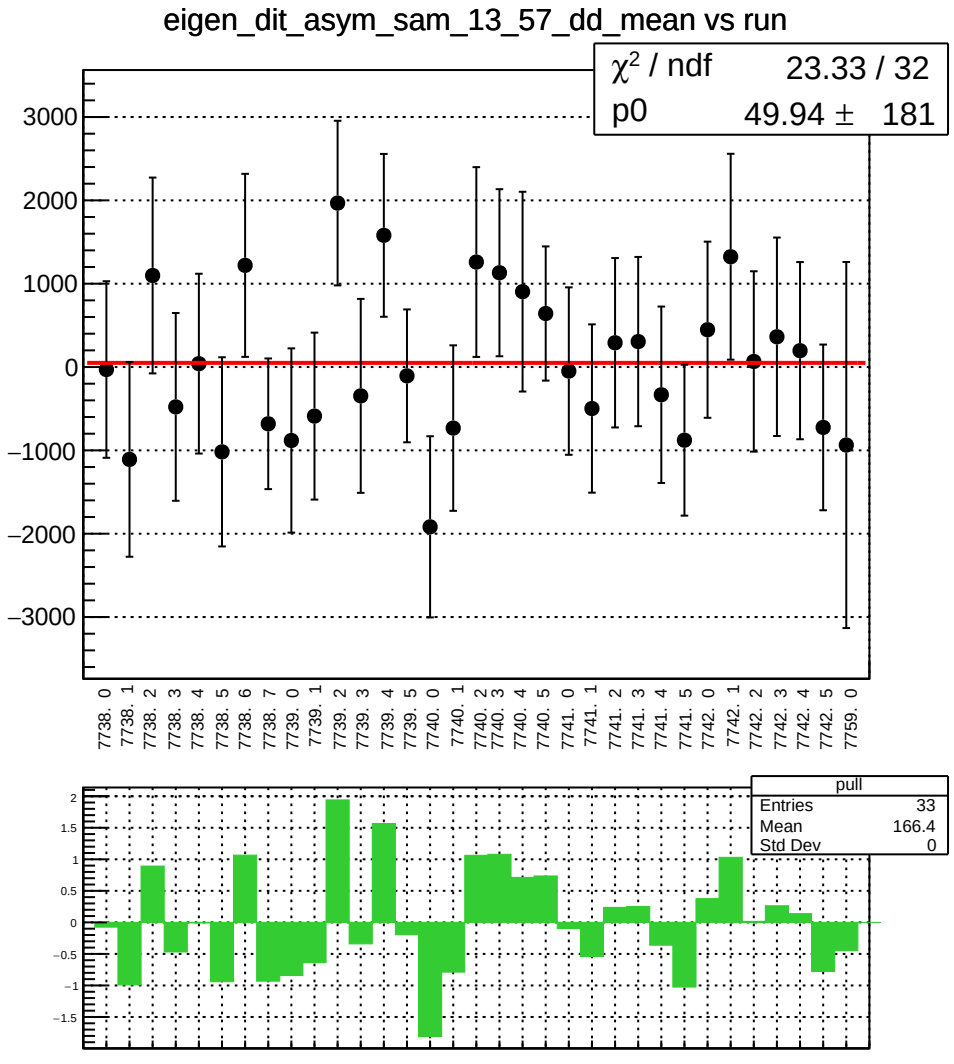

pull1D
Entries 33
Mean 0.002487
Std Dev 0.8409
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

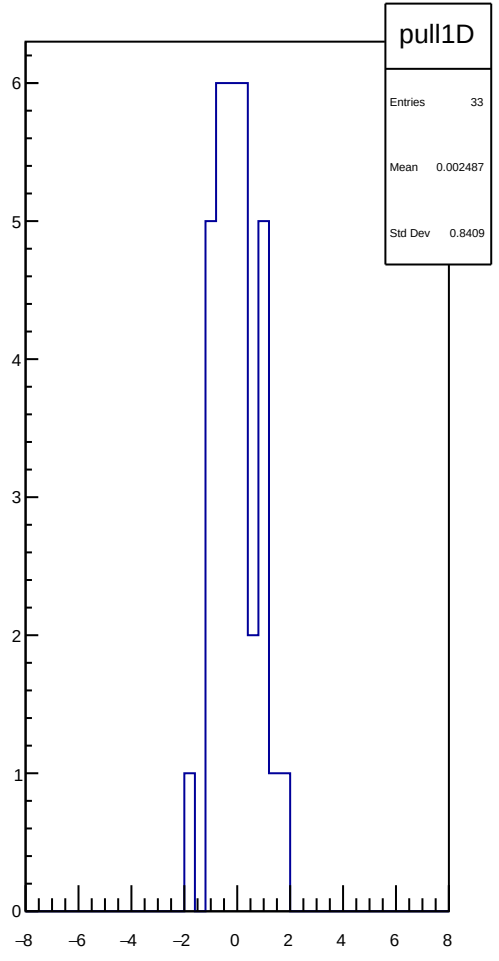

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.771e+04 / 32
p0 102.8 ± 0.128
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

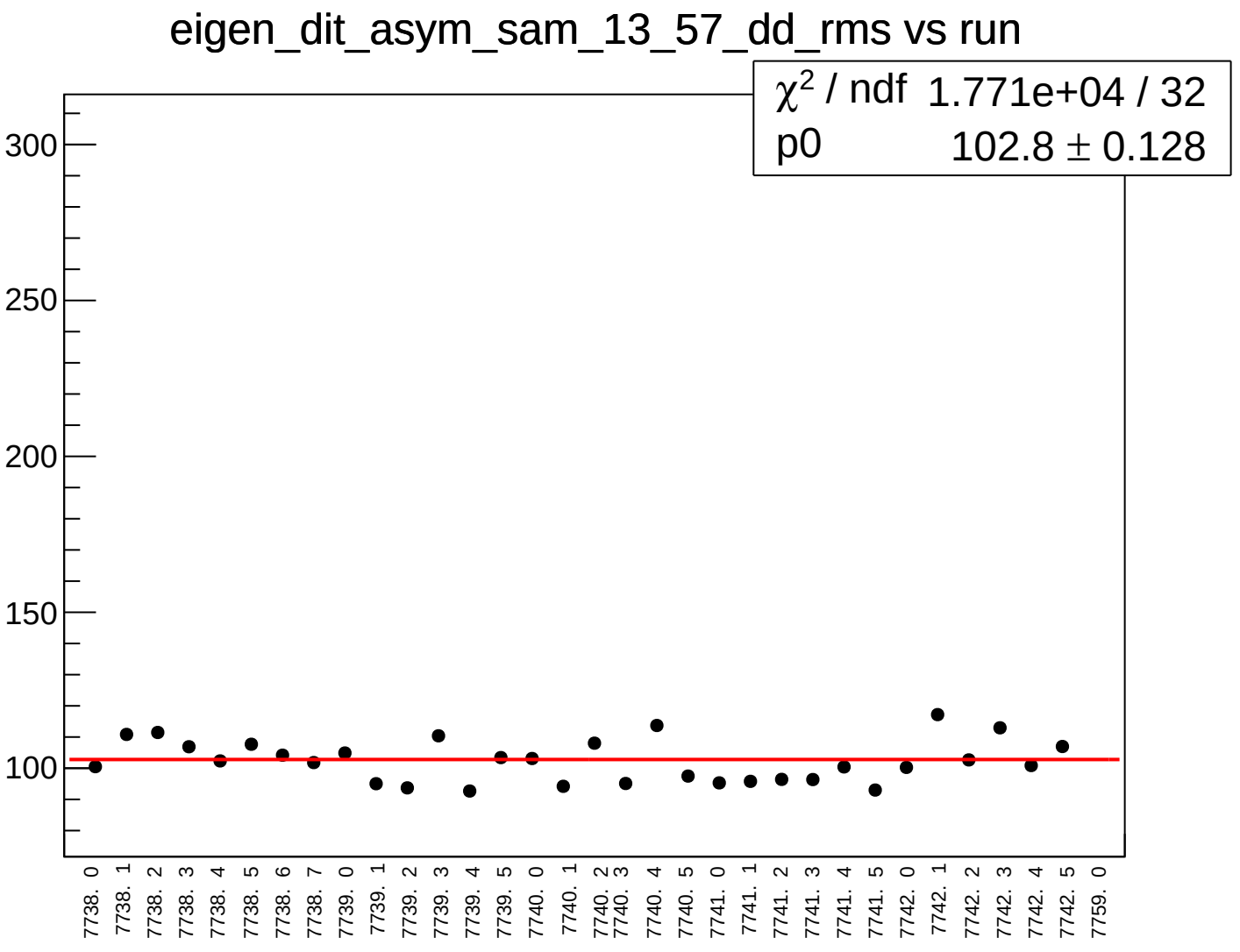

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 29.58 / 32
p0 676.4 ± 1214
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 174.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

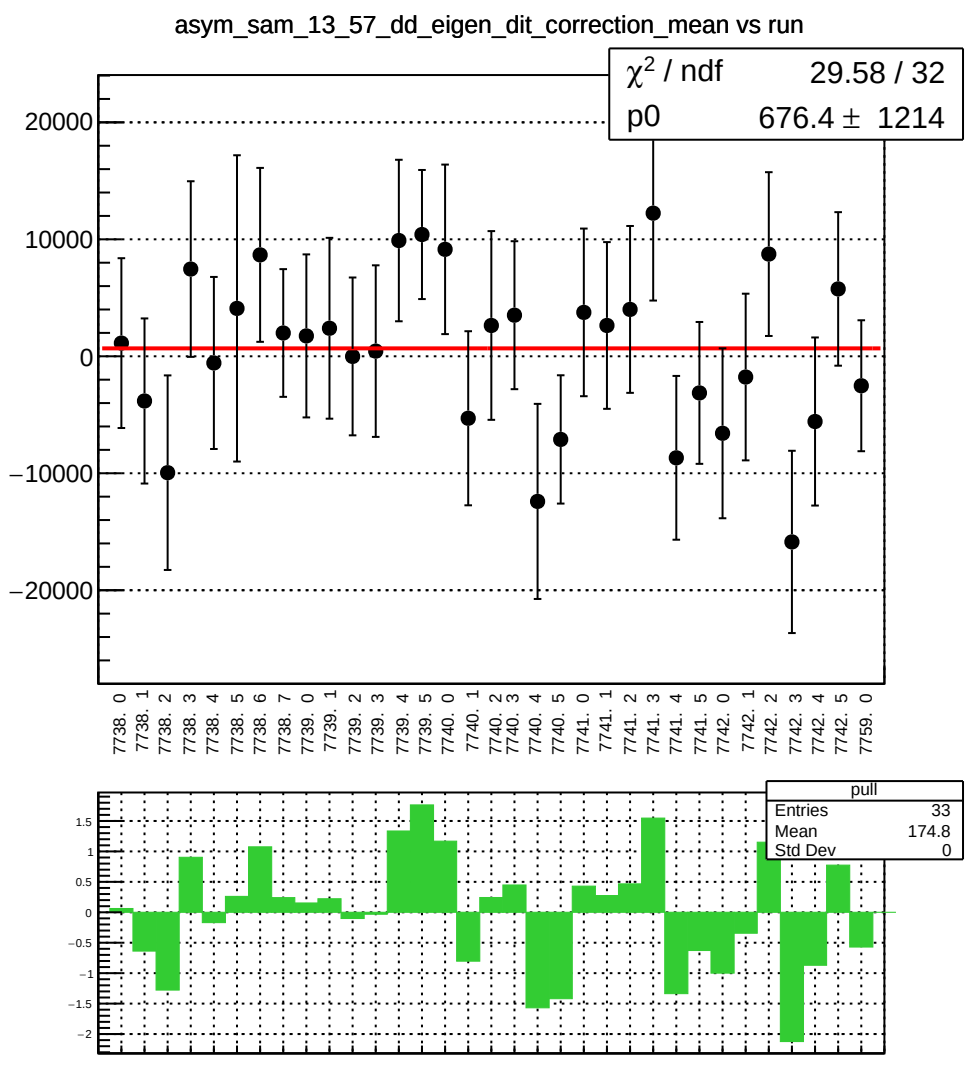

pull1D
Entries 33
Mean −0.01092
Std Dev 0.9467
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

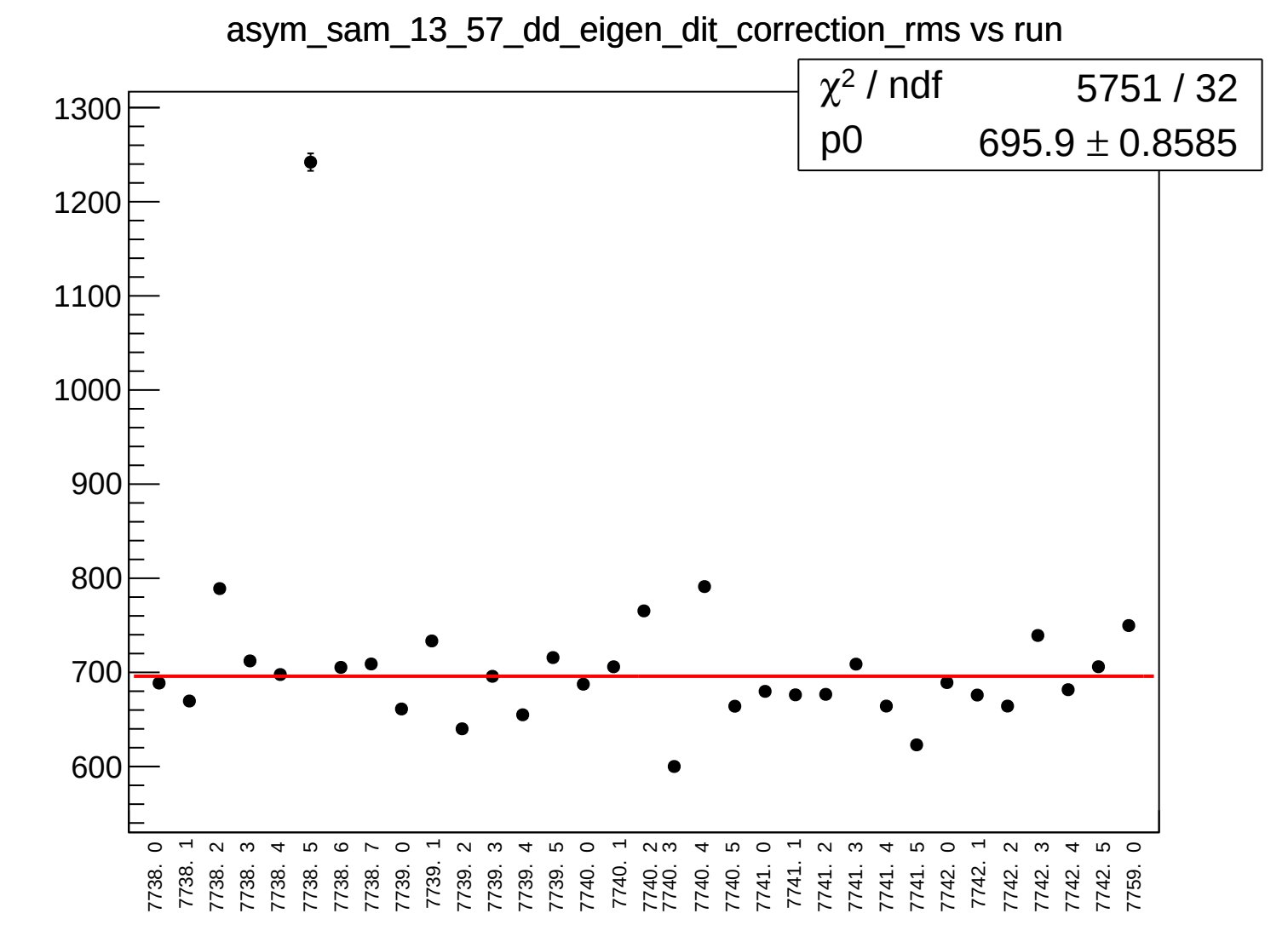

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 5751 / 32
p0 695.9 ± 0.8585
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

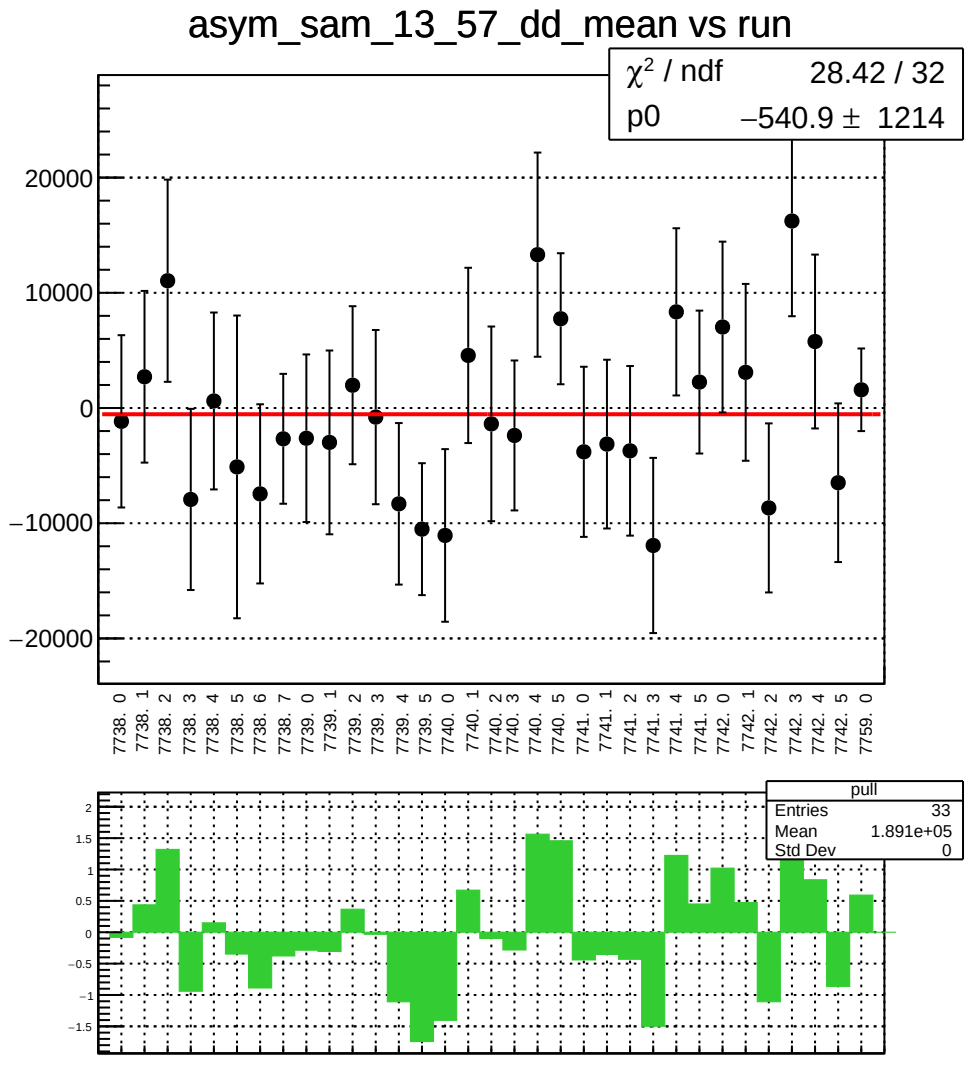

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 23.33 / 32
p0 49.94 ± 181
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 166.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

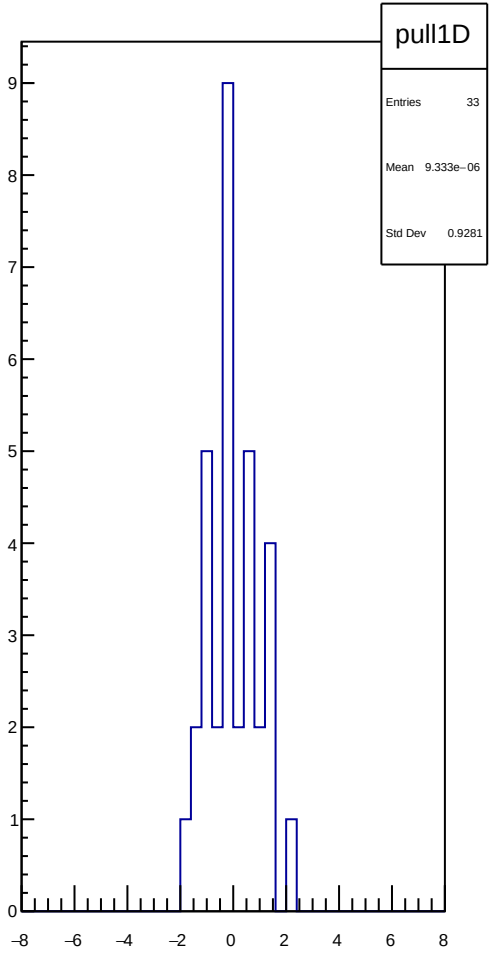

pull1D
Entries 33
Mean 0.002487
Std Dev 0.8409
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

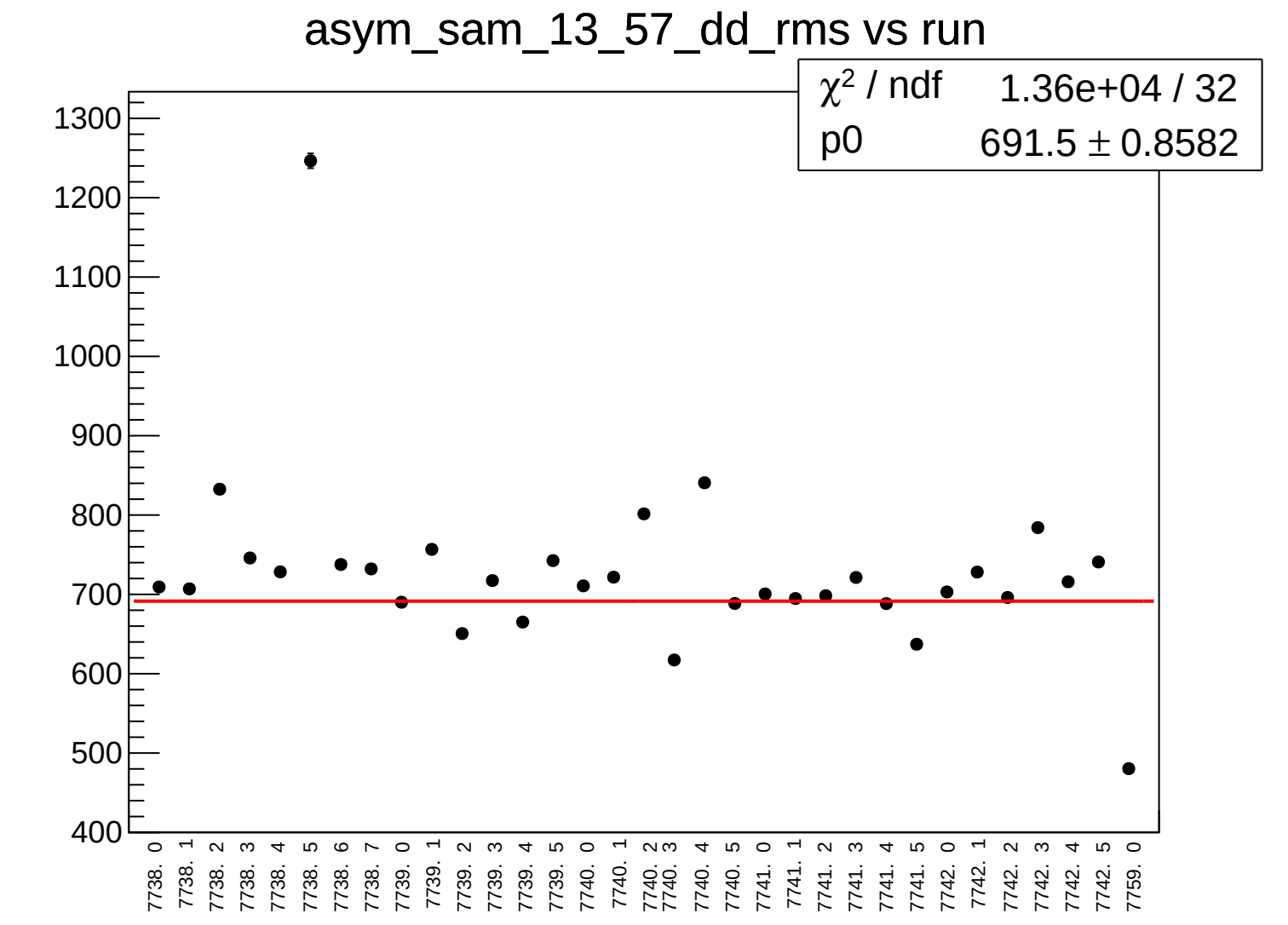

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.771e+04 / 32
p0 102.8 ± 0.128
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

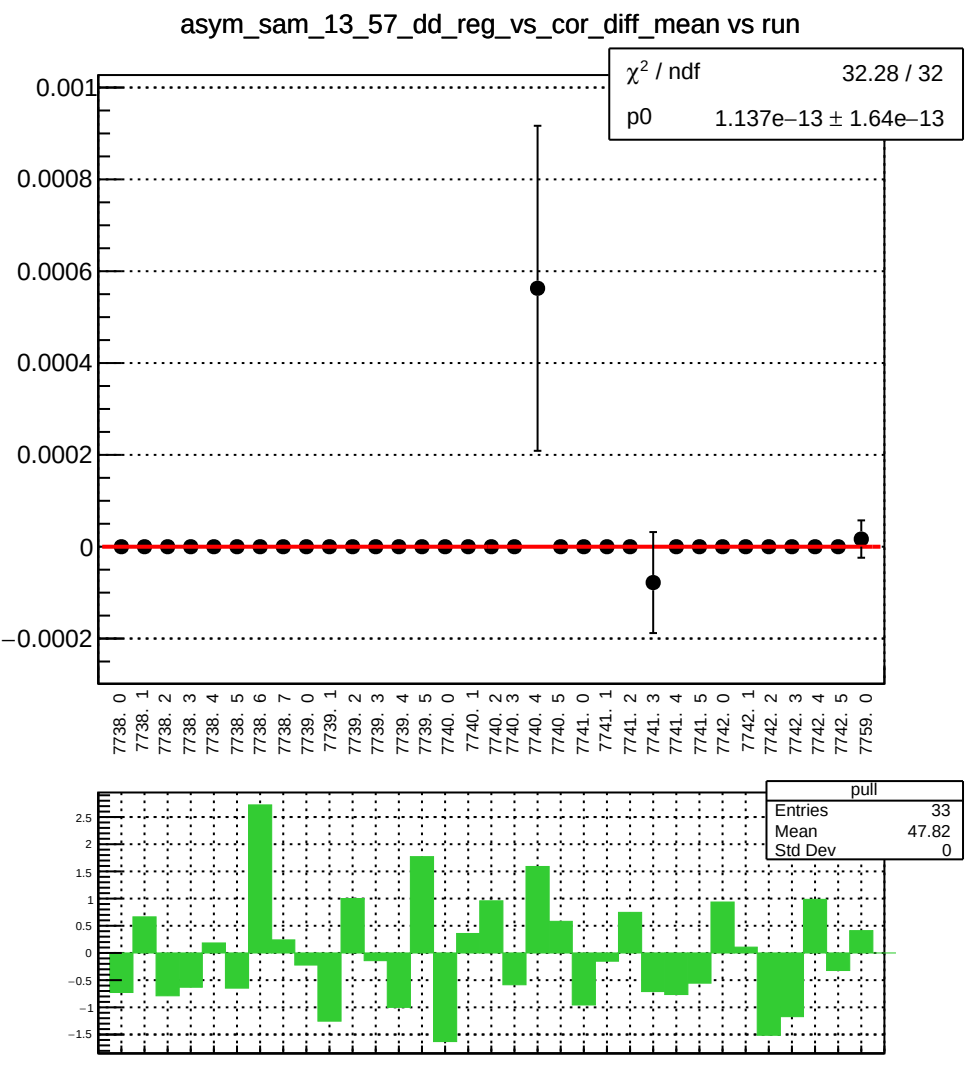

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.58 / 32
p0 676.4 ± 1214
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 174.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01092
Std Dev 0.9467
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

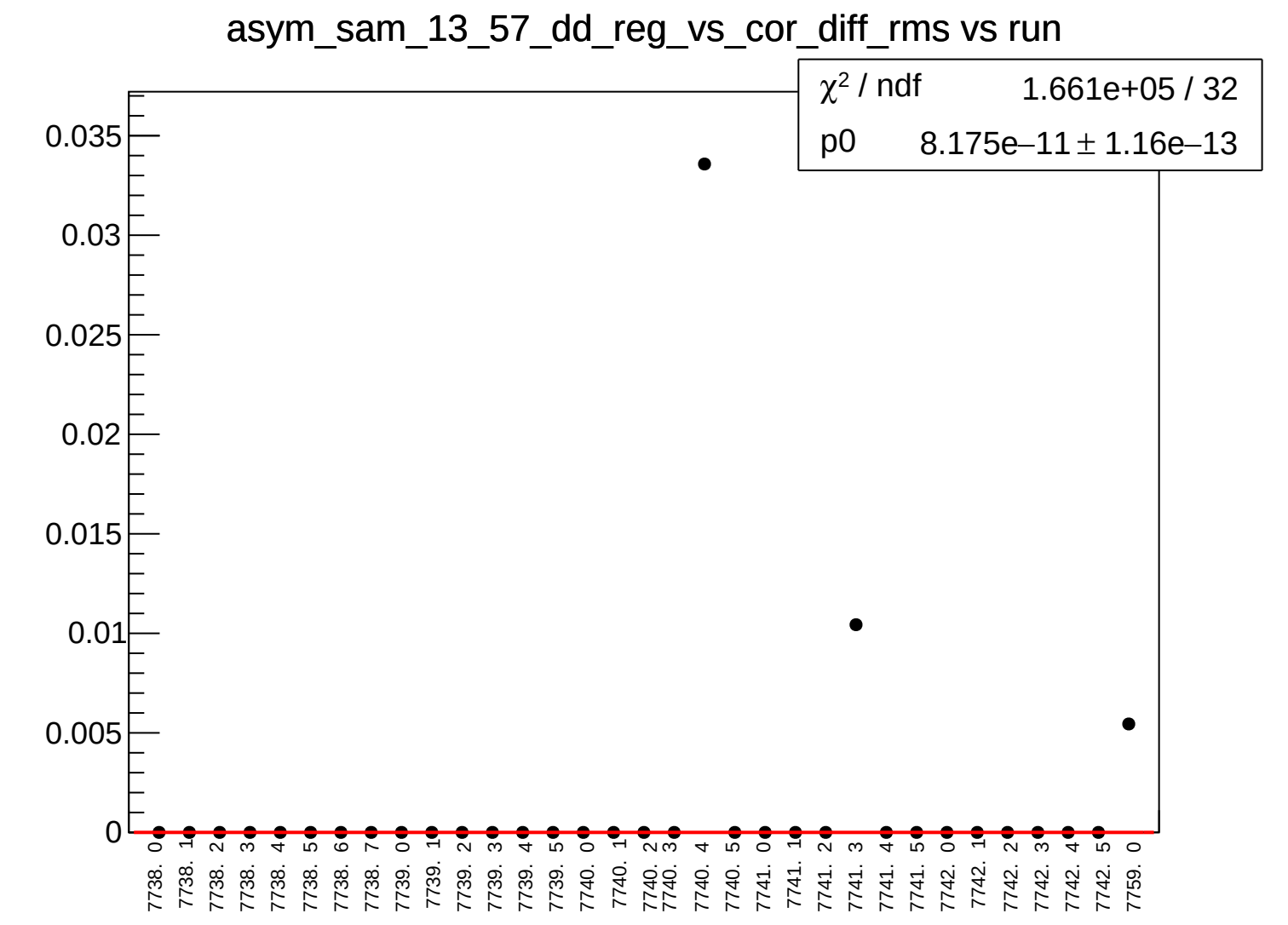

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 5751 / 32
p0 695.9 ± 0.8585
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

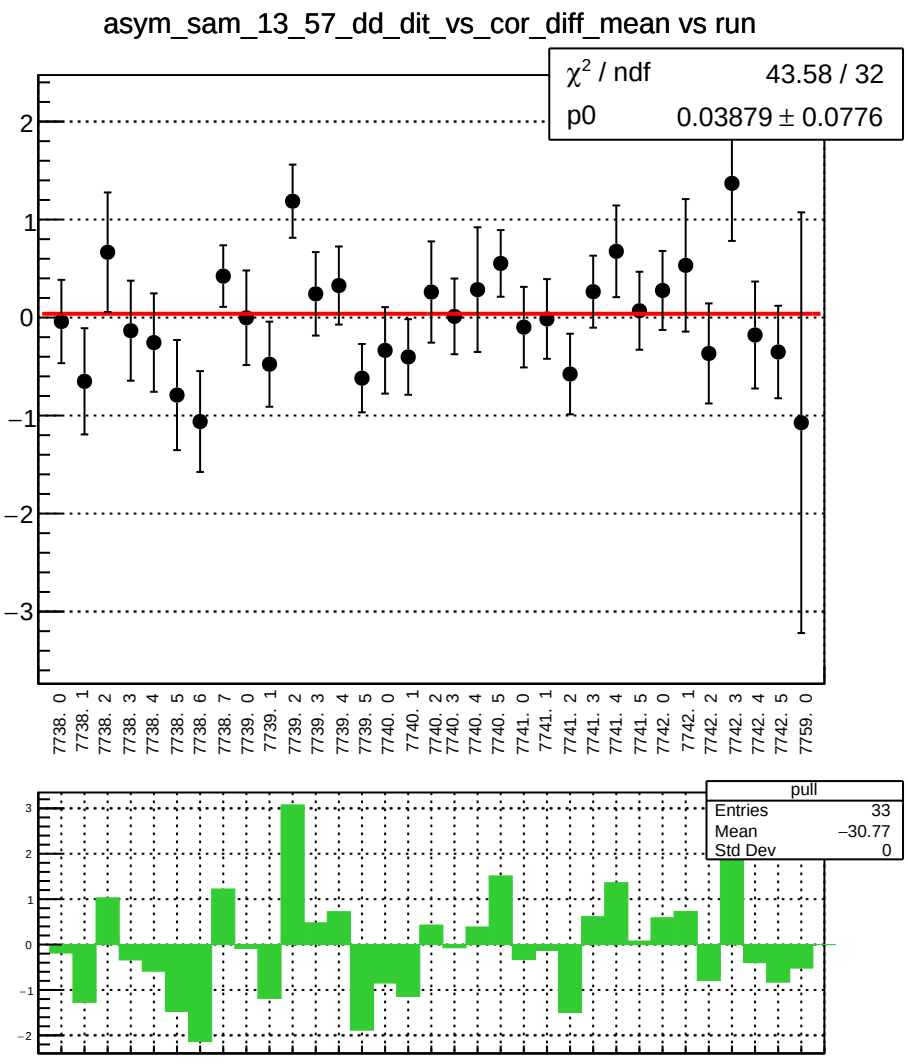

asym_sam_13_57_dd_mean vs run
χ² / ndf 28.42 / 32
p0 −540.9 ± 1214
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.891e+05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

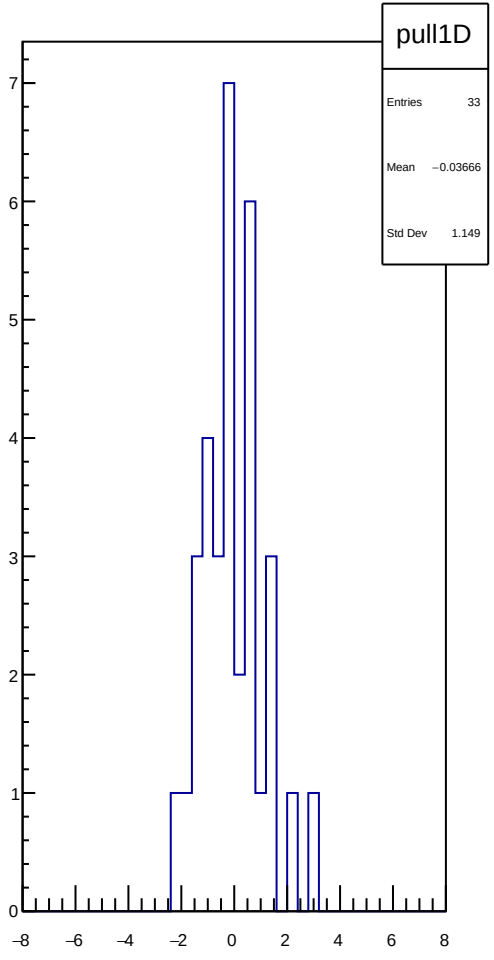

pull1D
Entries 33
Mean 9.333e−06
Std Dev 0.9281
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

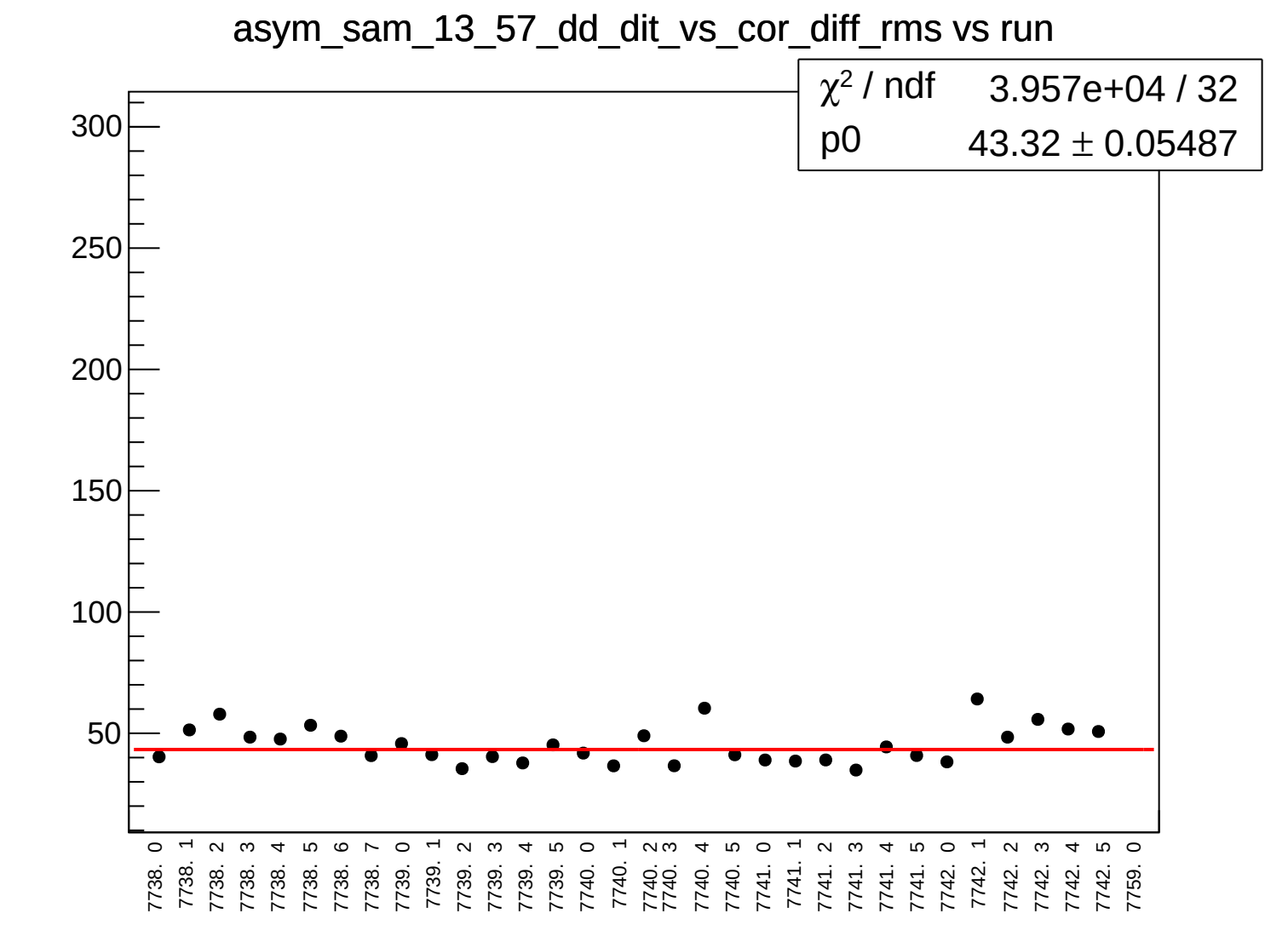

asym_sam_13_57_dd_rms vs run
χ² / ndf 1.36e+04 / 32
p0 691.5 ± 0.8582
1300
1200
1100
1000
900
800
700
600
500
400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

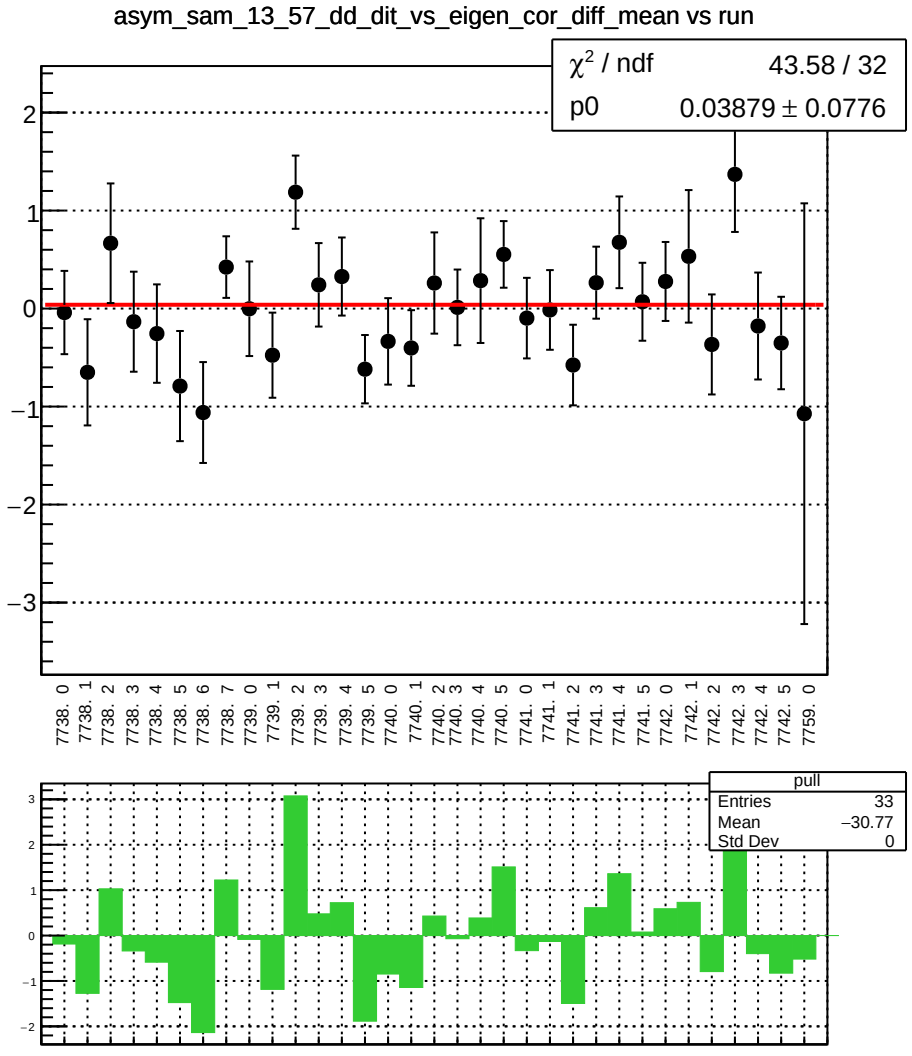

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 32.28 / 32
p0 1.137e−13 ± 1.64e−13
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 47.82
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01539
Std Dev 0.9889
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

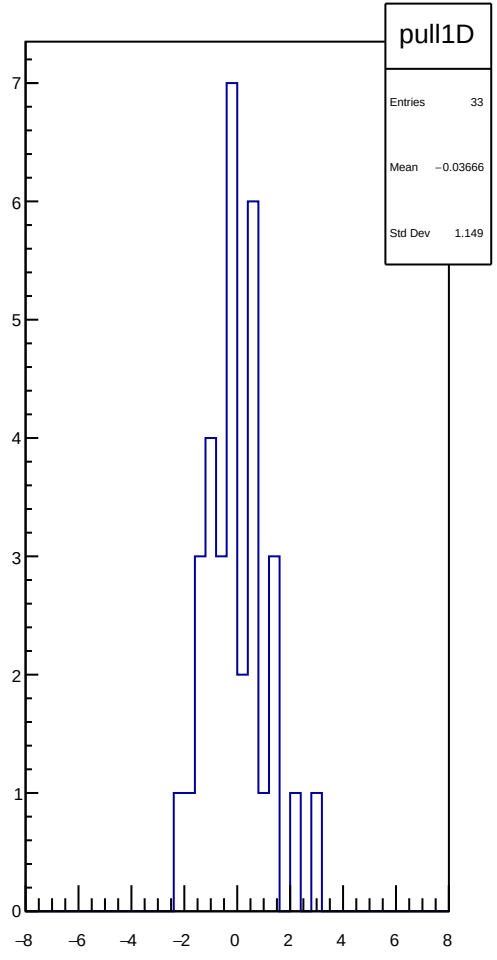

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.661e+05 / 32
p0 8.175e−11 ± 1.16e−13
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

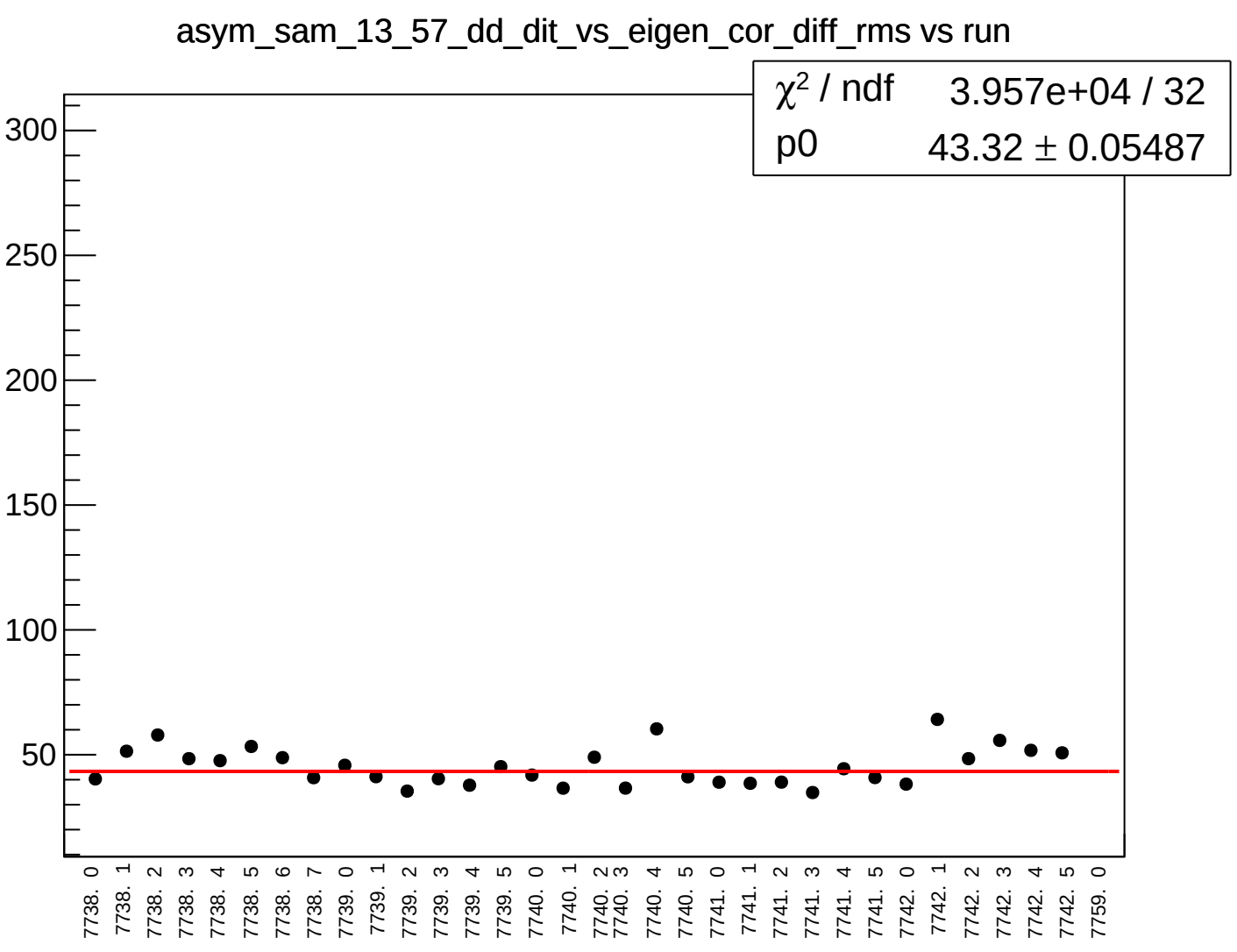

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.58 / 32
p0 0.03879 ± 0.0776
pull
Entries 33
Mean −30.77
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

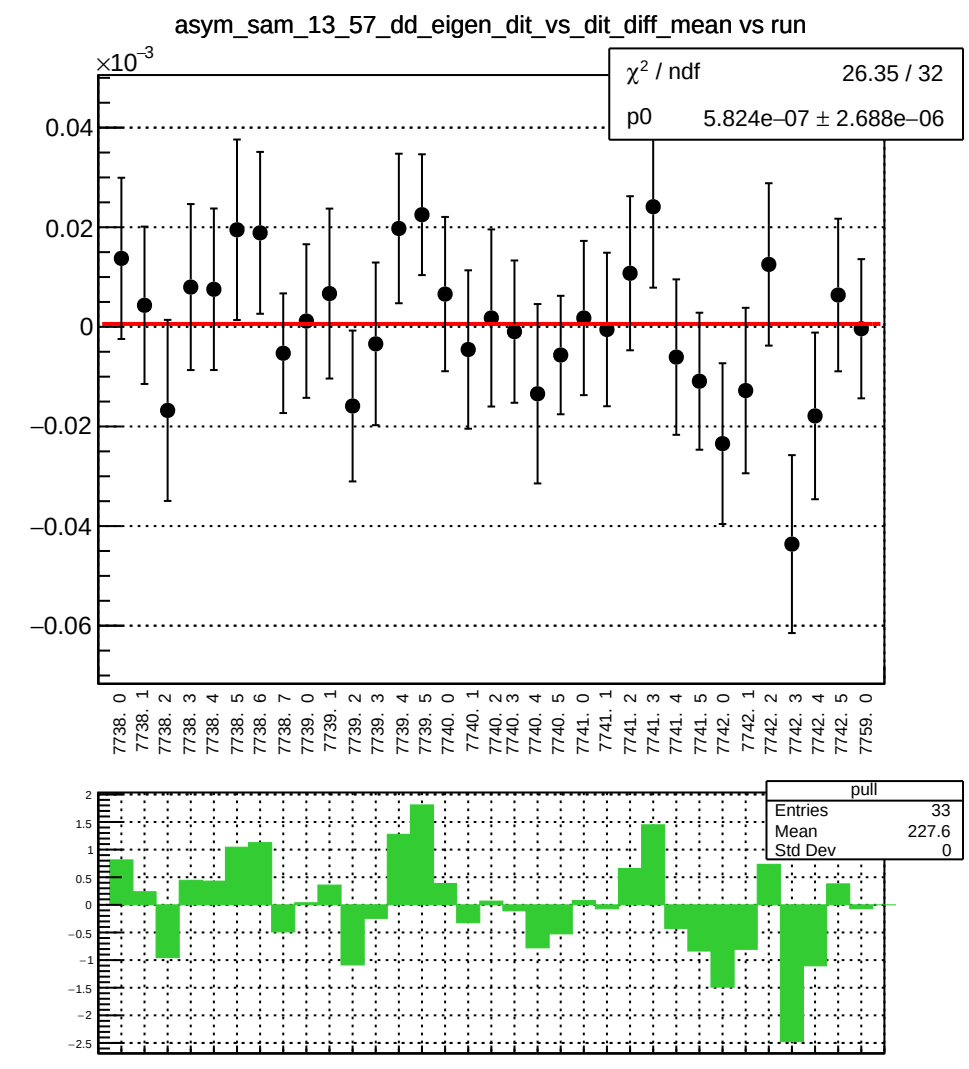

pull1D
Entries 33
Mean −0.03666
Std Dev 1.149

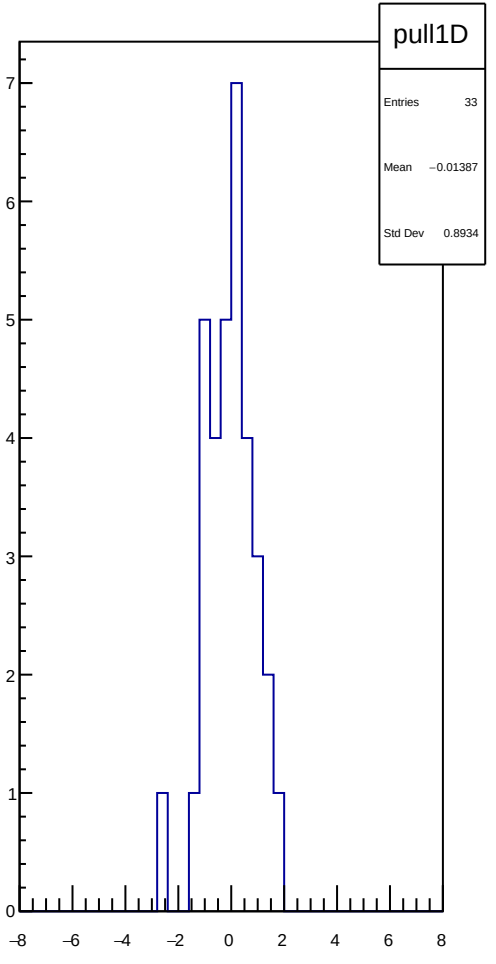

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.957e+04 / 32
p0 43.32 ± 0.05487
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

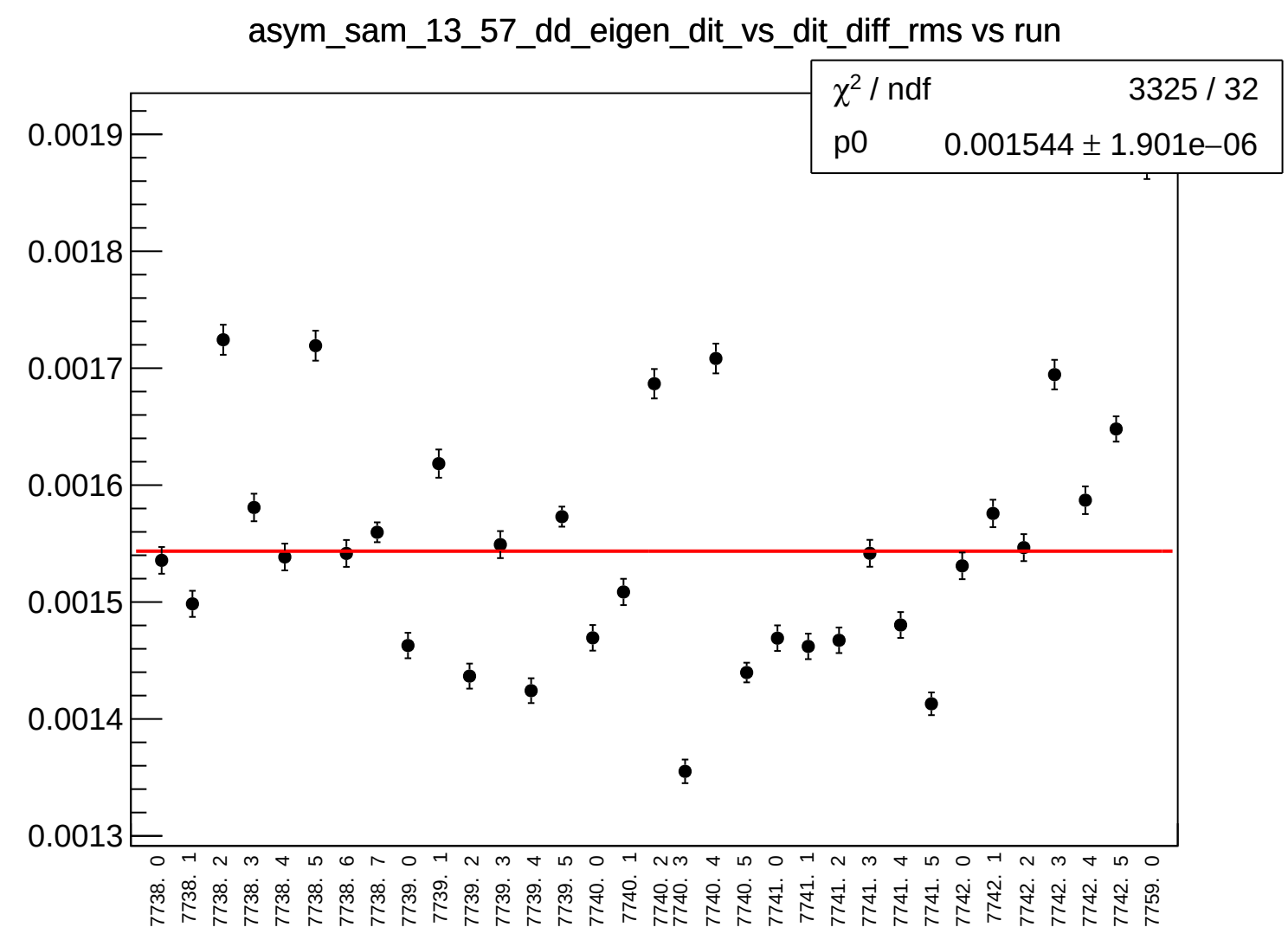

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.58 / 32
p0 0.03879 ± 0.0776
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.77
Std Dev 0
3
2
1
0
−1
−2

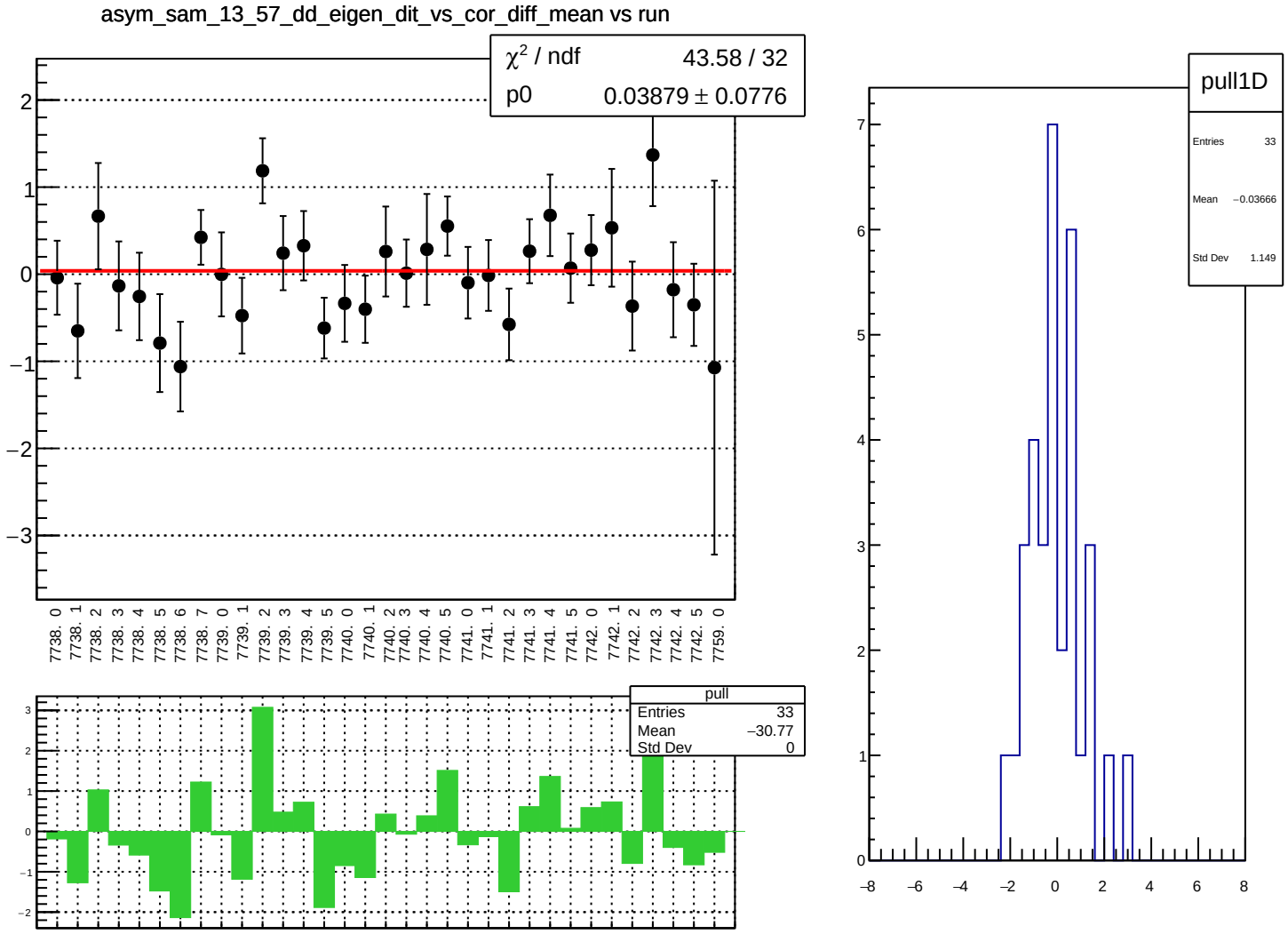

pull1D
Entries 33
Mean −0.03666
Std Dev 1.149
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

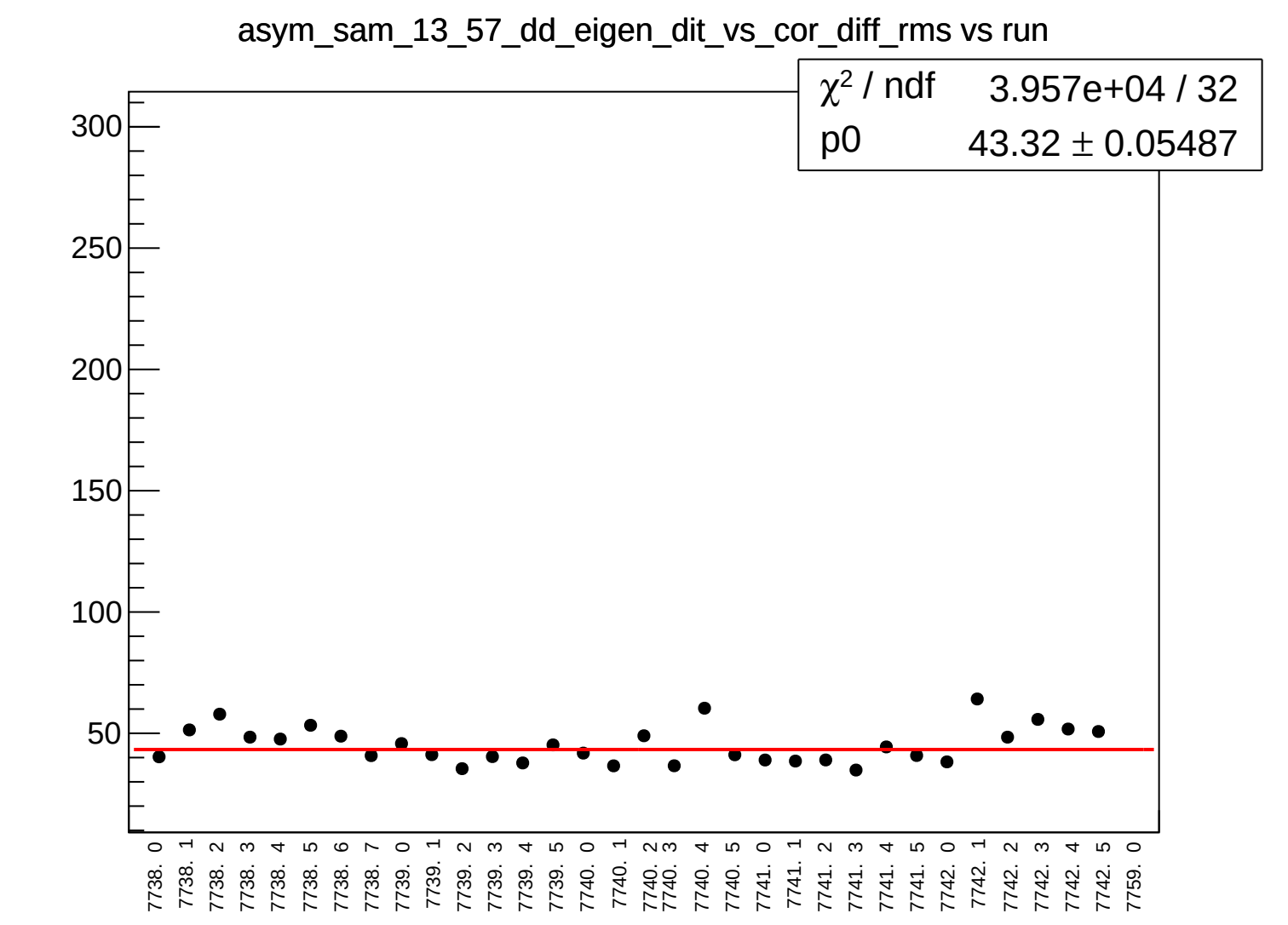

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.957e+04 / 32
p0 43.32 ± 0.05487
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

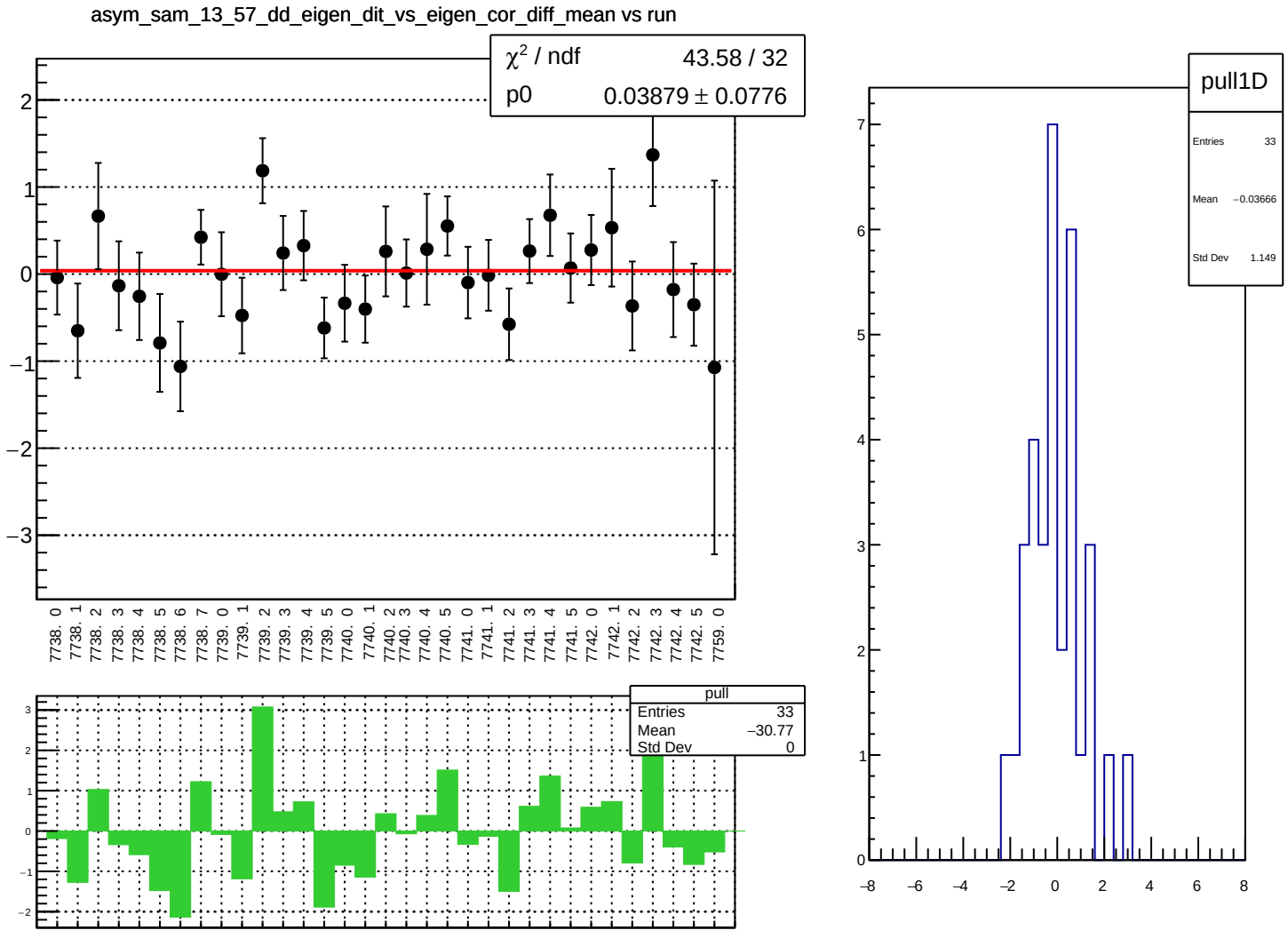

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 26.35 / 32
p0 5.824e−07 ± 2.688e−06
0.04
0.02
0
−0.02
−0.04
−0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 227.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

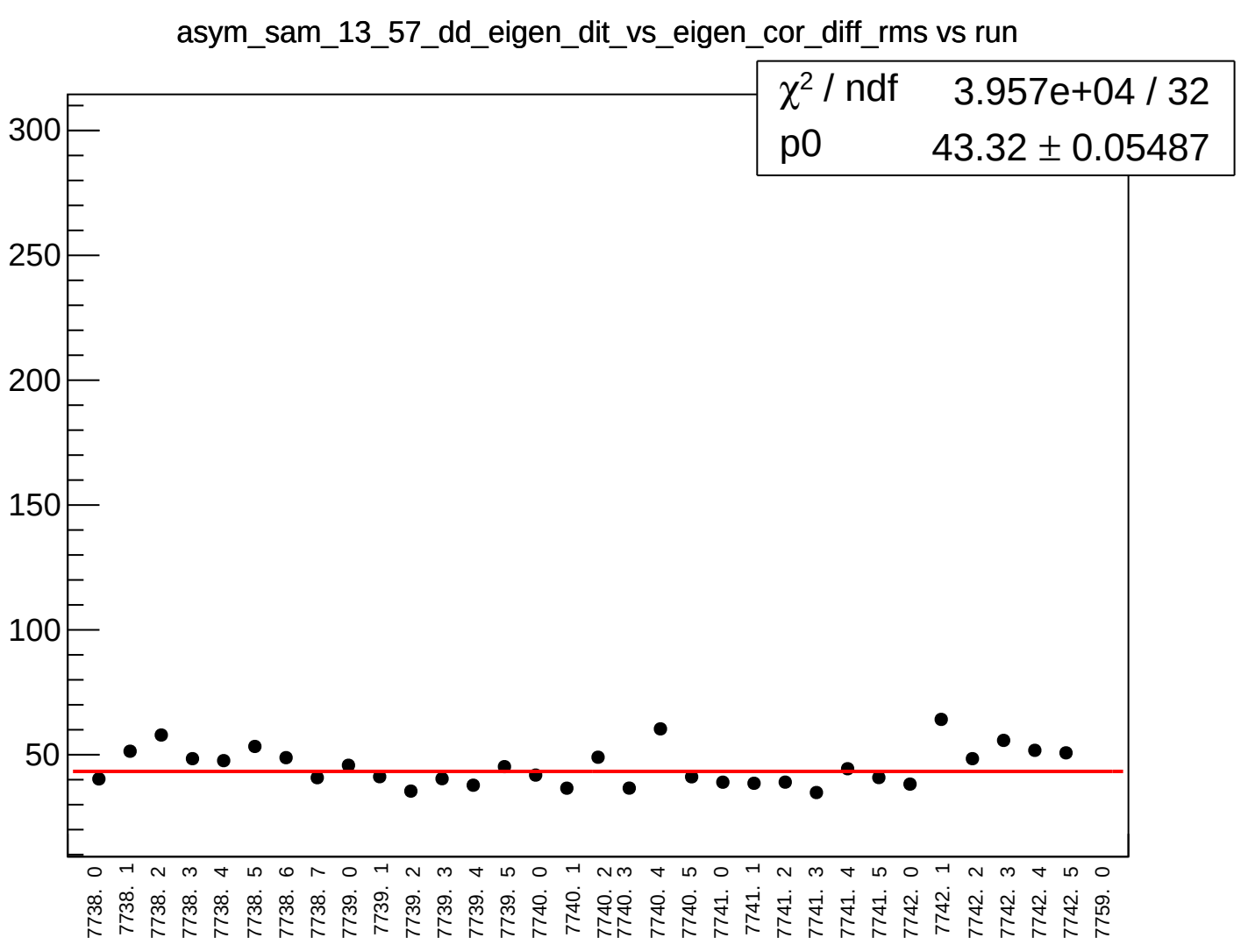

pull1D
Entries 33
Mean −0.01387
Std Dev 0.8934
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

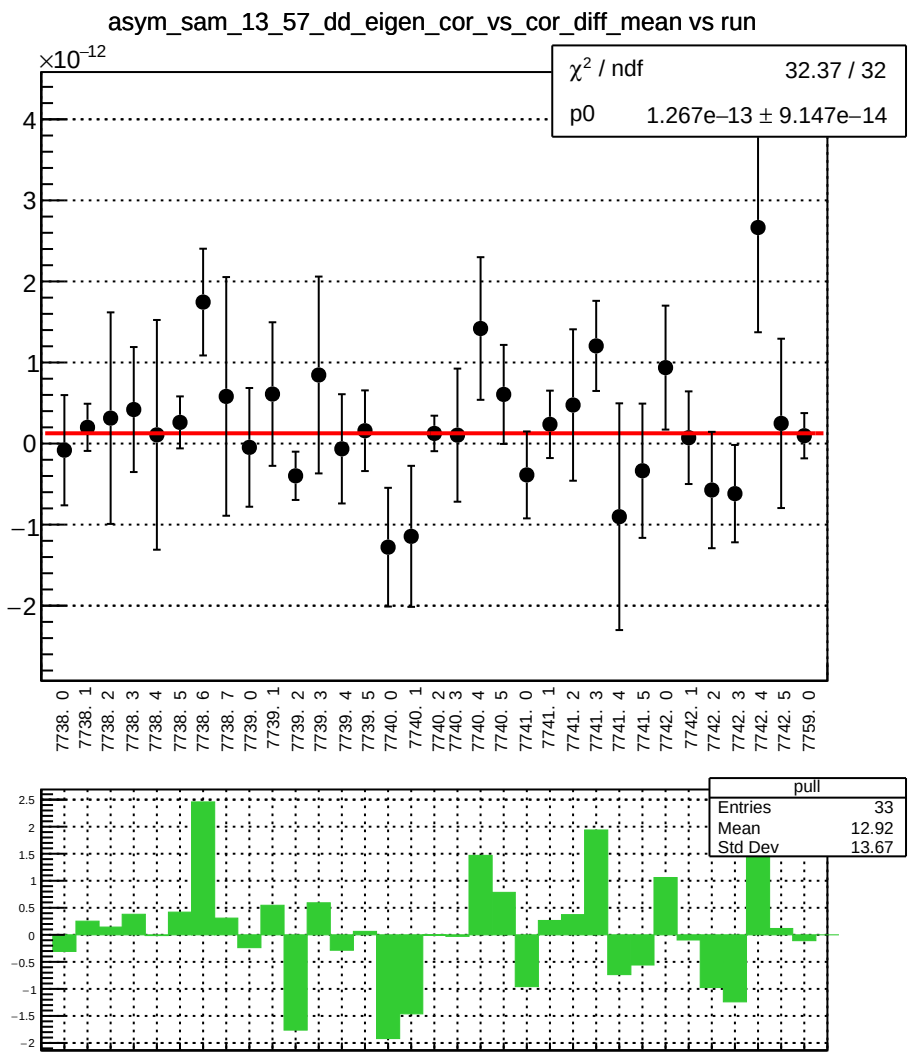

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3325 / 32
p0 0.001544 ± 1.901e−06
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

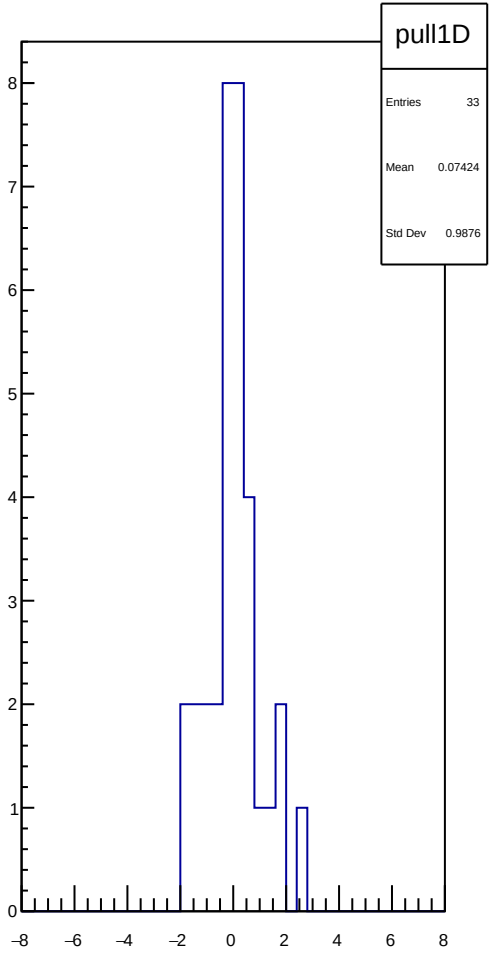

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.58 / 32
p0 0.03879 ± 0.0776
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.77
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.03666
Std Dev 1.149
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

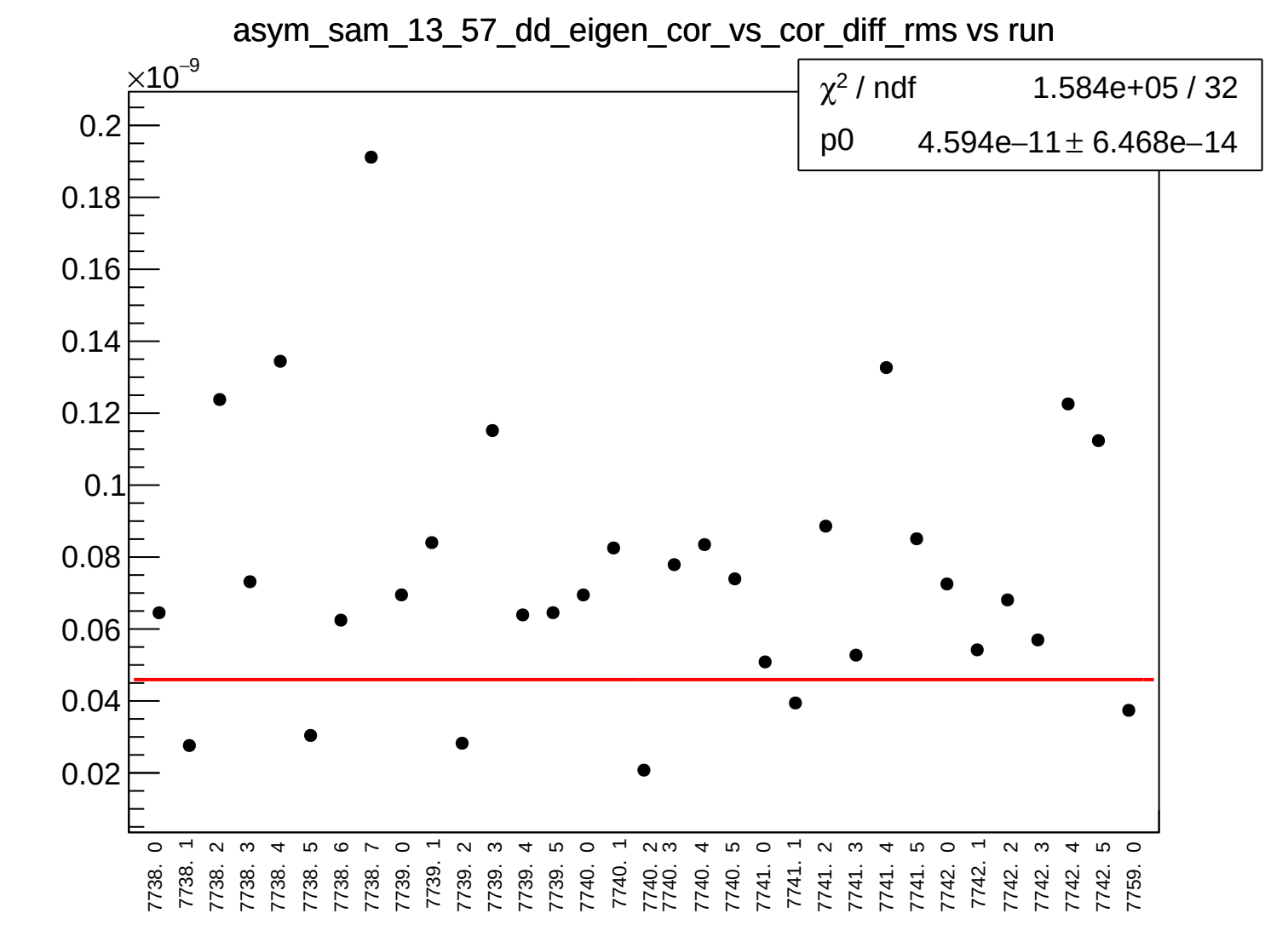

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.957e+04 / 32
p0 43.32 ± 0.05487
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

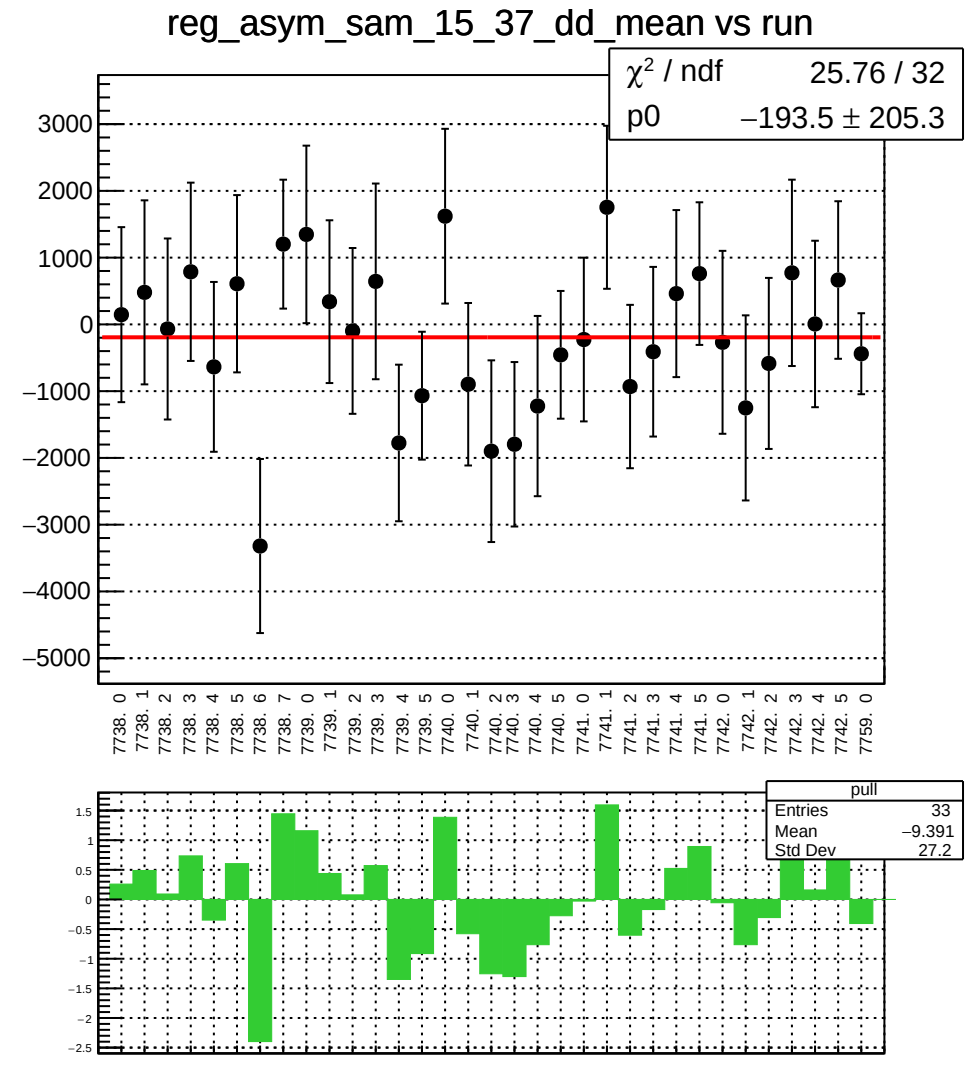

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.58 / 32
p0 0.03879 ± 0.0776
pull
Entries 33
Mean −30.77
Std Dev 0
pull1D
Entries 33
Mean −0.03666
Std Dev 1.149

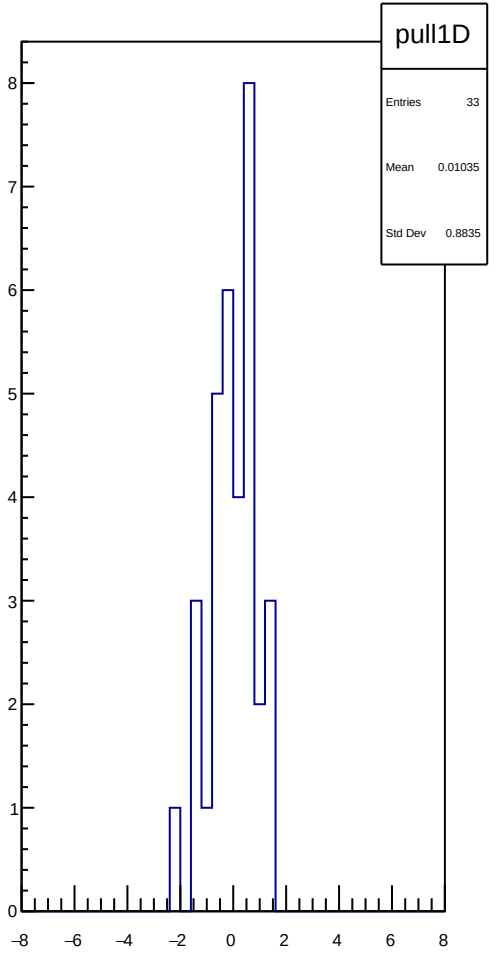

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.957e+04 / 32
p0 43.32 ± 0.05487
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

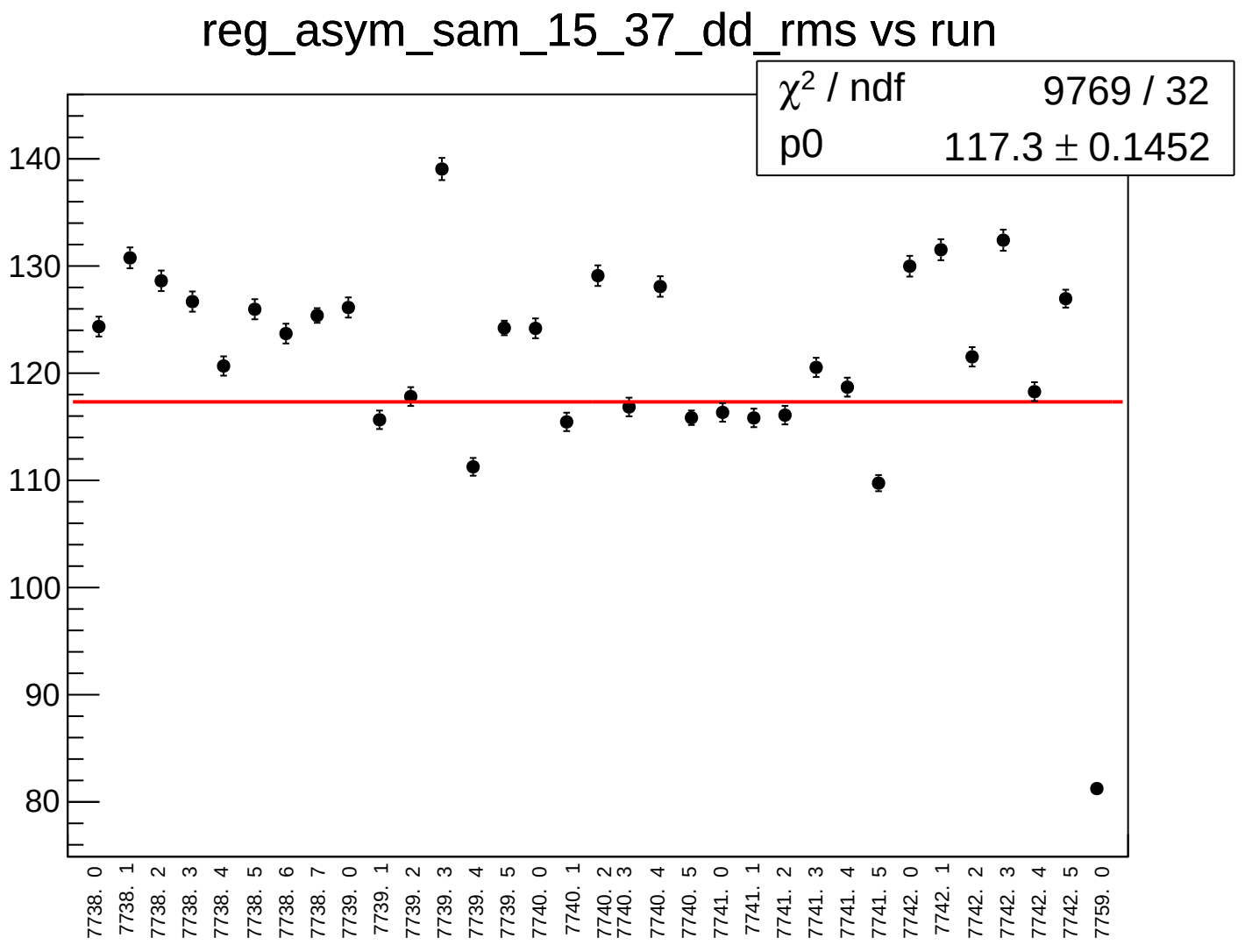

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.37 / 32
p0 1.267e−13 ± 9.147e−14
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.92
Std Dev 13.67
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

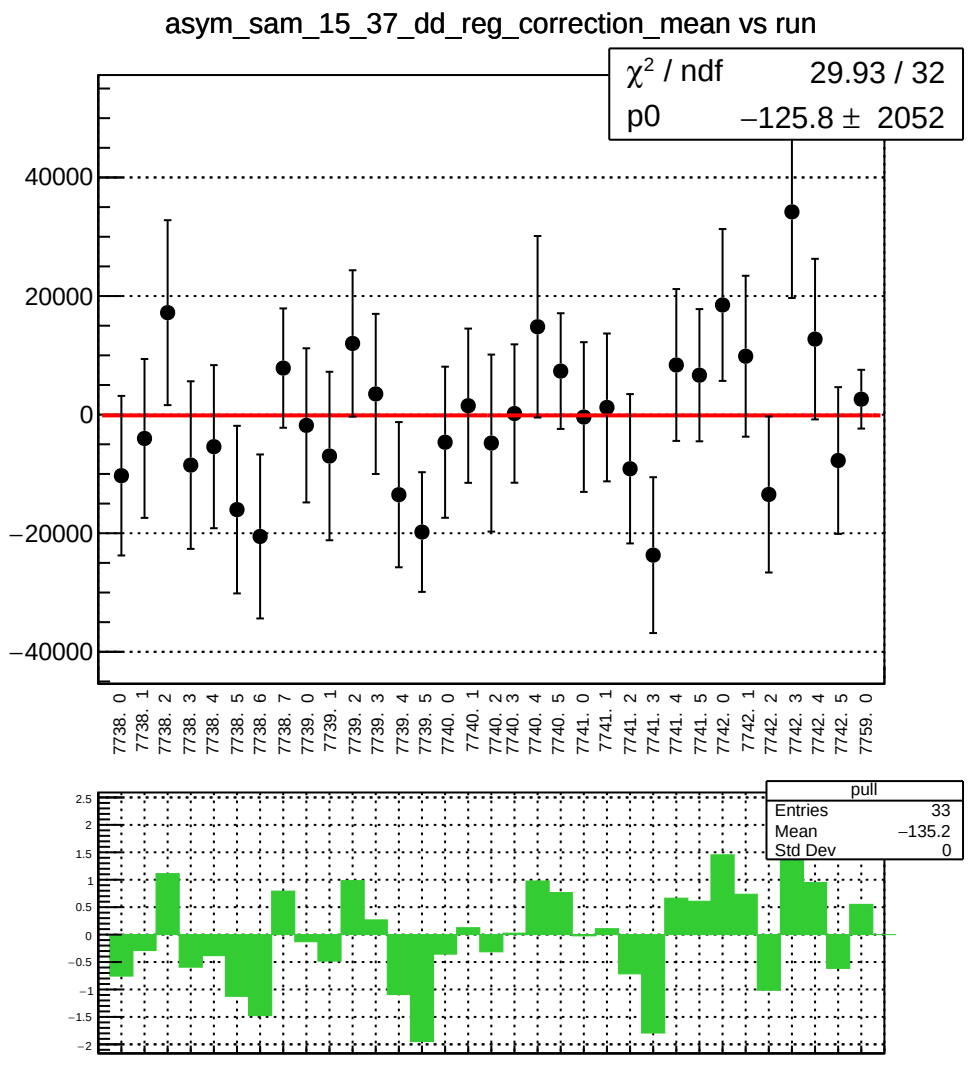

pull1D
Entries 33
Mean 0.07424
Std Dev 0.9876
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

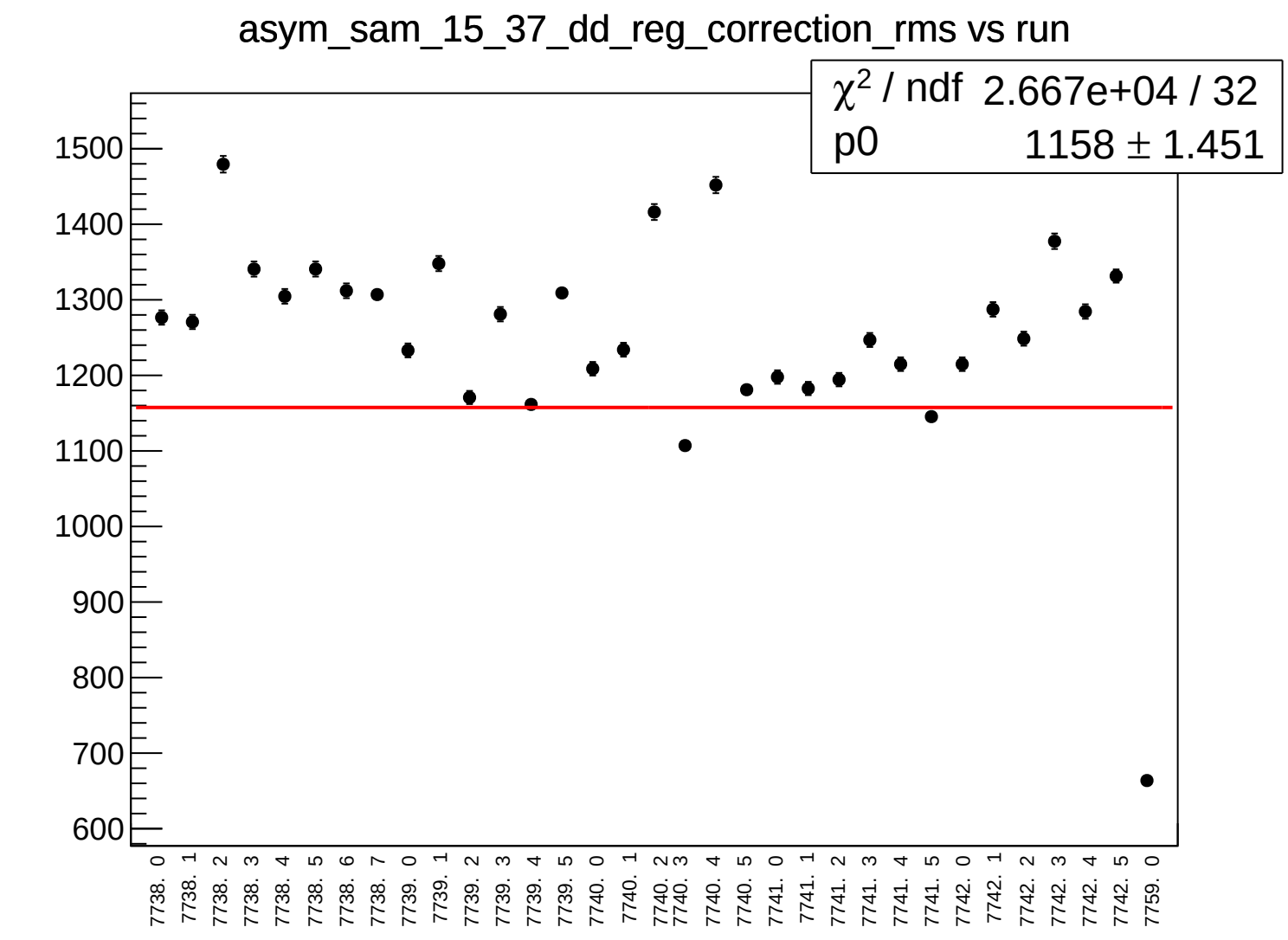

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.584e+05 / 32
p0 4.594e−11 ± 6.468e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

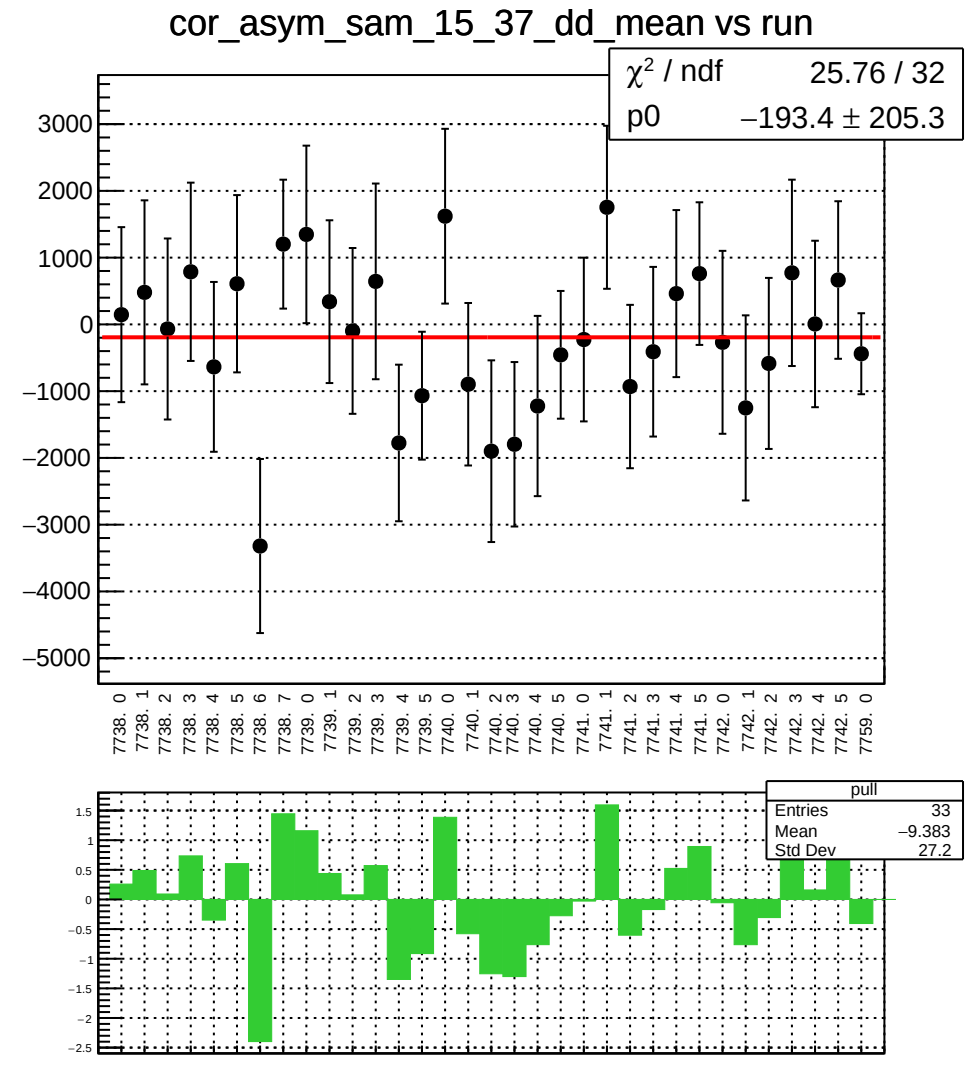

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 25.76 / 32
p0 −193.5 ± 205.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.391
Std Dev 27.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

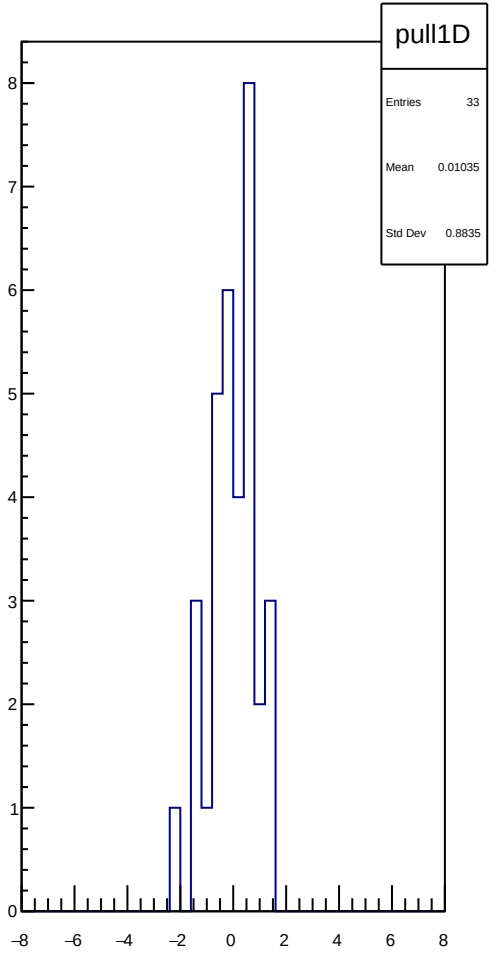

pull1D
Entries 33
Mean 0.01035
Std Dev 0.8835
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

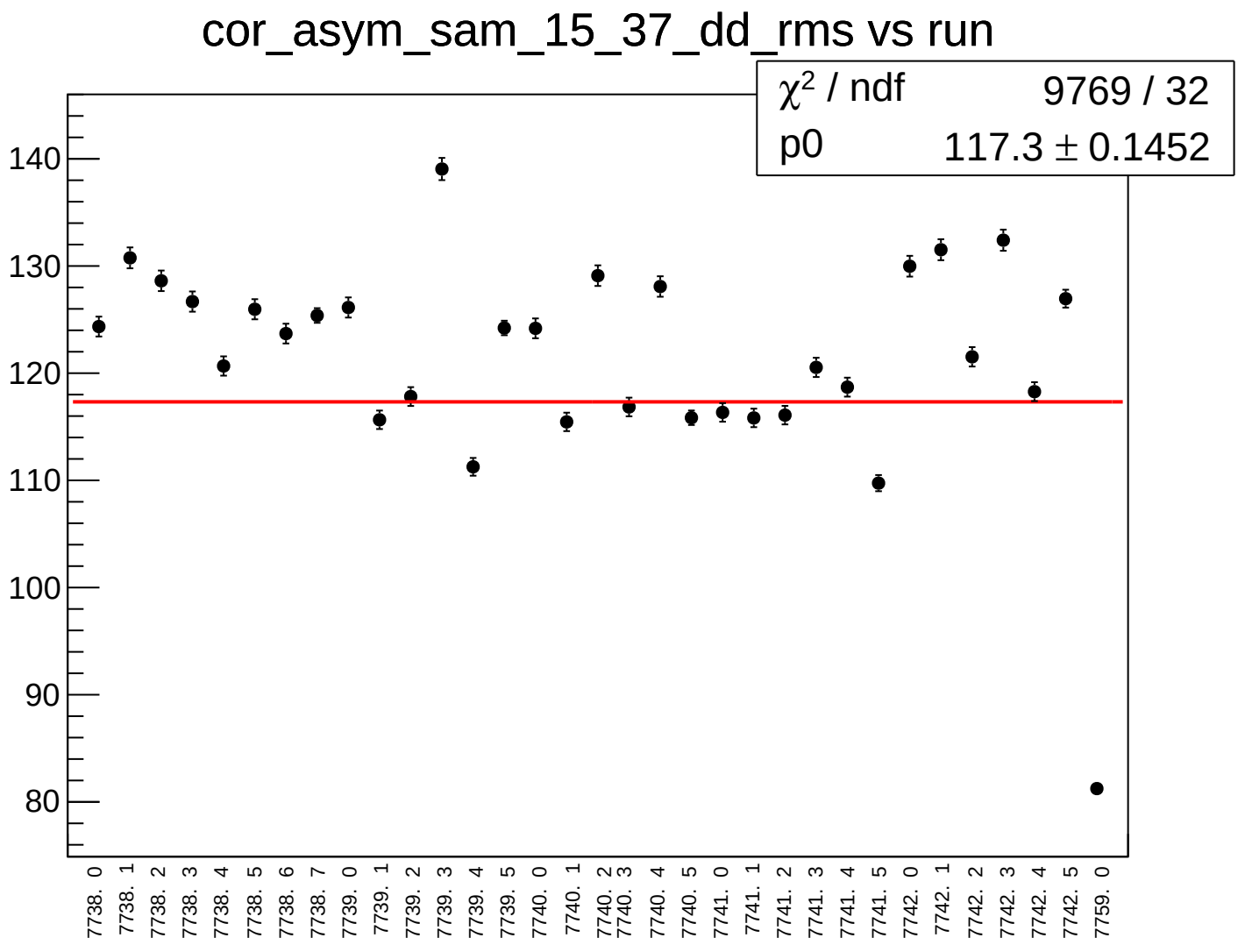

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 9769 / 32
p0 117.3 ± 0.1452
140
130
120
110
100
90
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

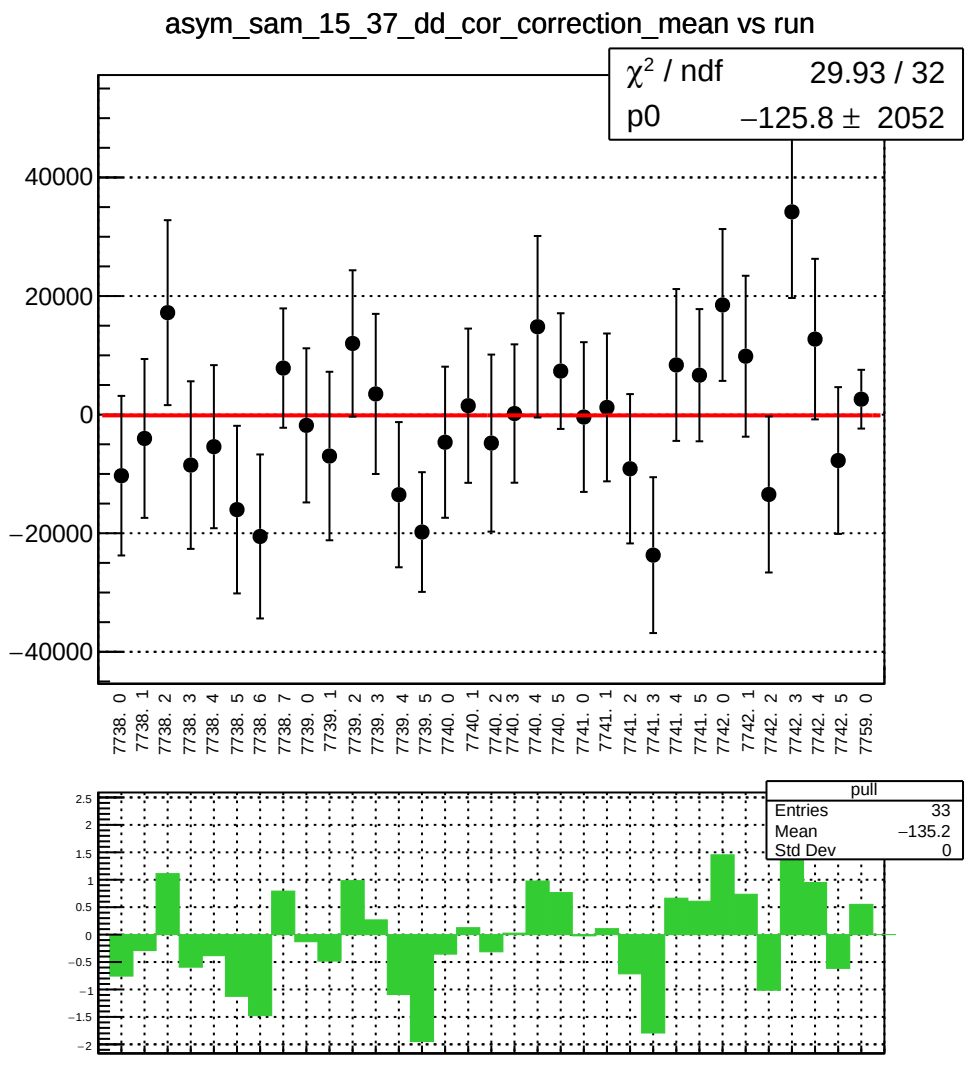

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 29.93 / 32
p0 −125.8 ± 2052
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −135.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01877
Std Dev 0.9521
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

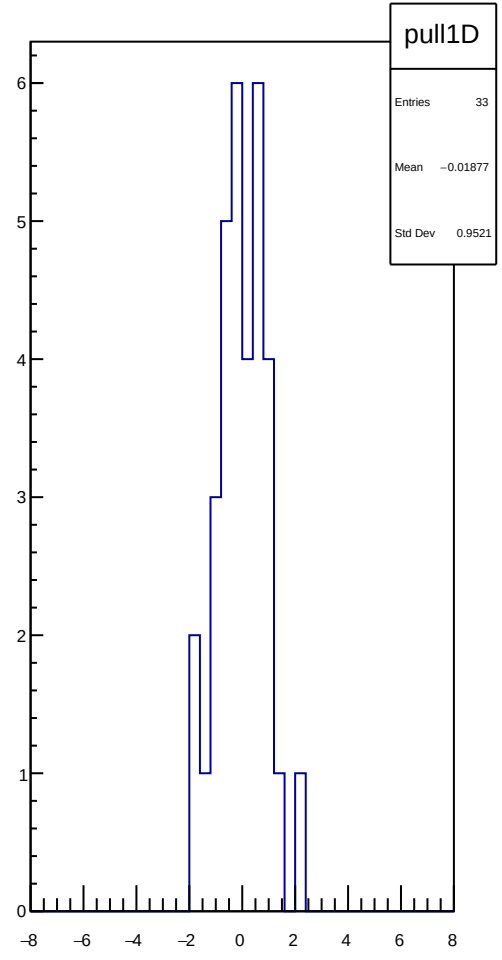

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 2.667e+04 / 32
p0 1158 ± 1.451
1500
1400
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

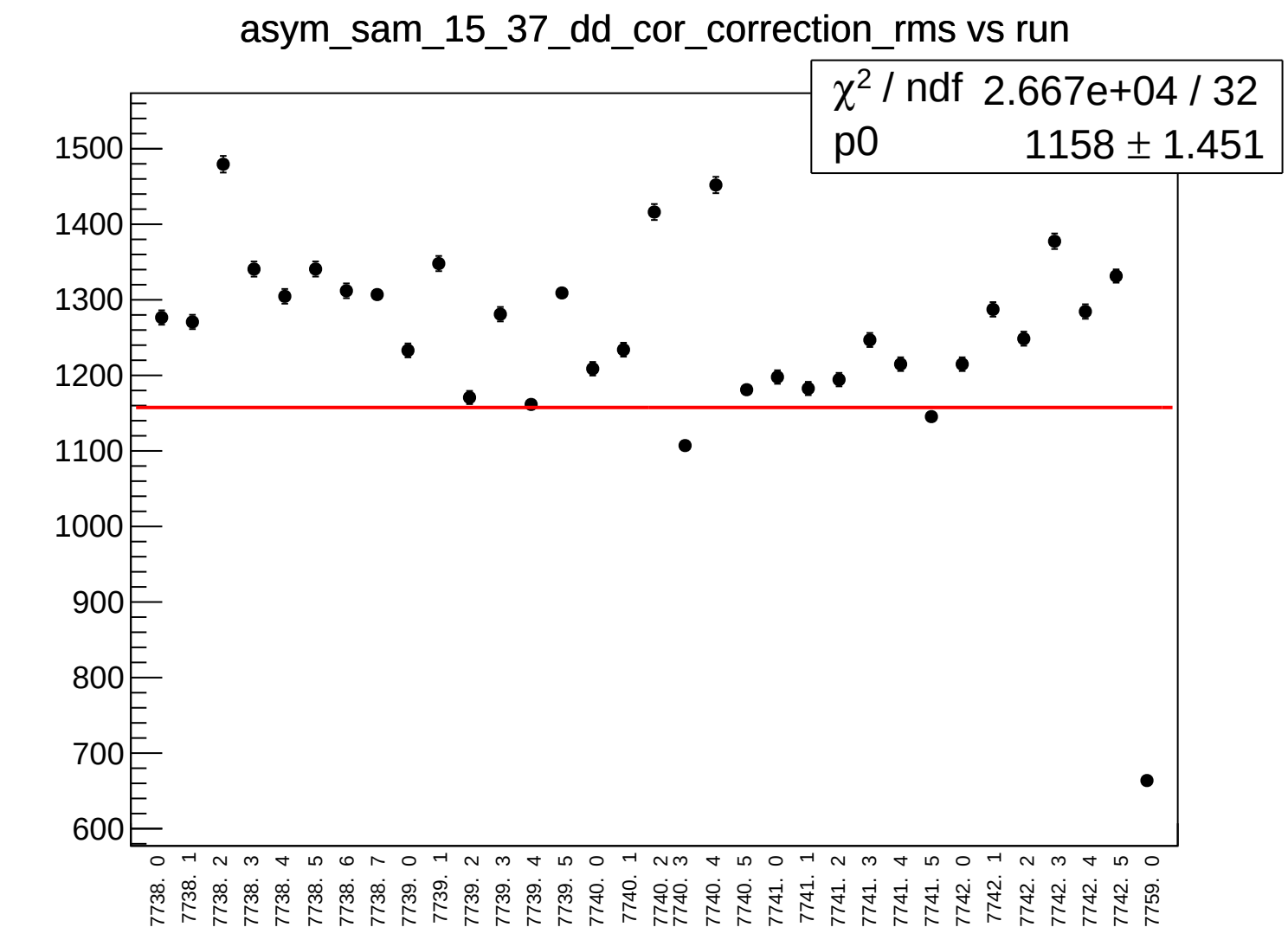

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 25.76 / 32
p0 −193.4 ± 205.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.383
Std Dev 27.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

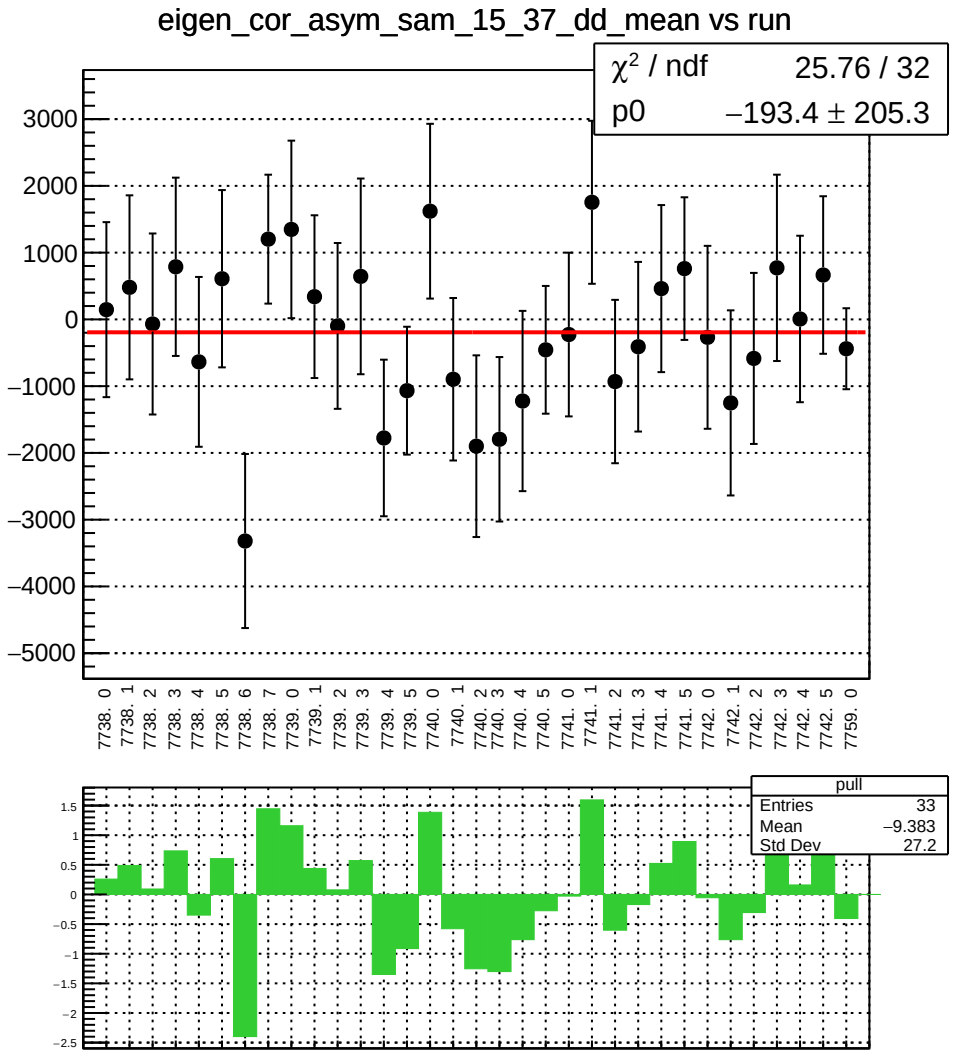

pull1D
Entries 33
Mean 0.01035
Std Dev 0.8835
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

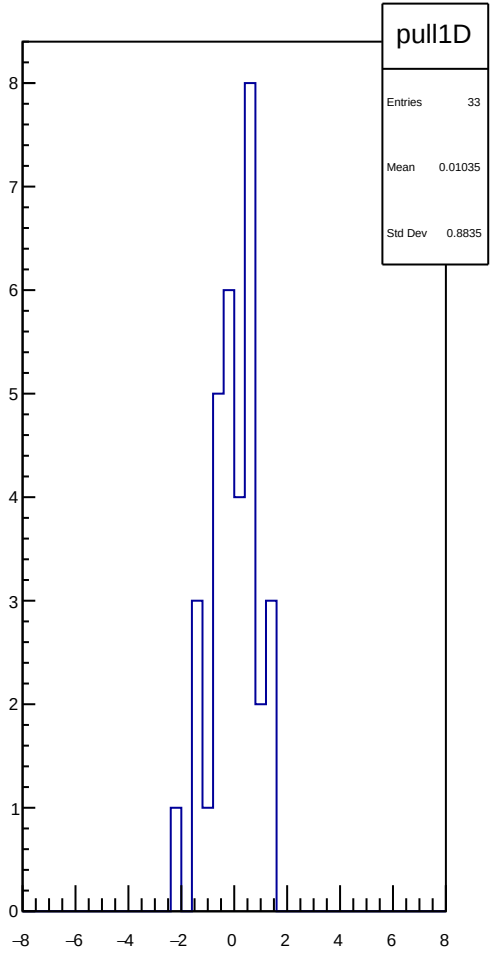

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 9769 / 32
p0 117.3 ± 0.1452
140
130
120
110
100
90
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

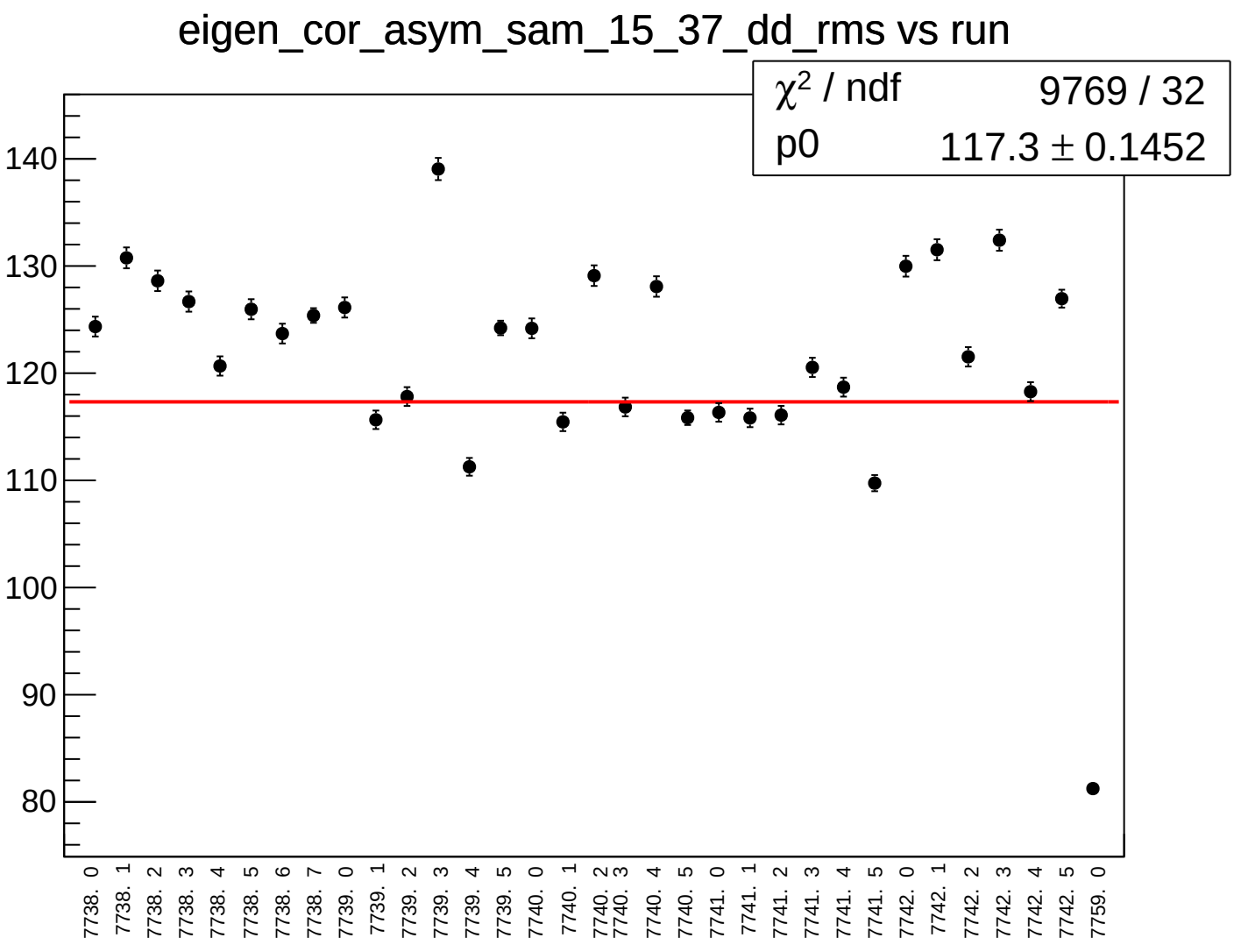

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 29.93 / 32
p0 −125.8 ± 2052
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −135.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

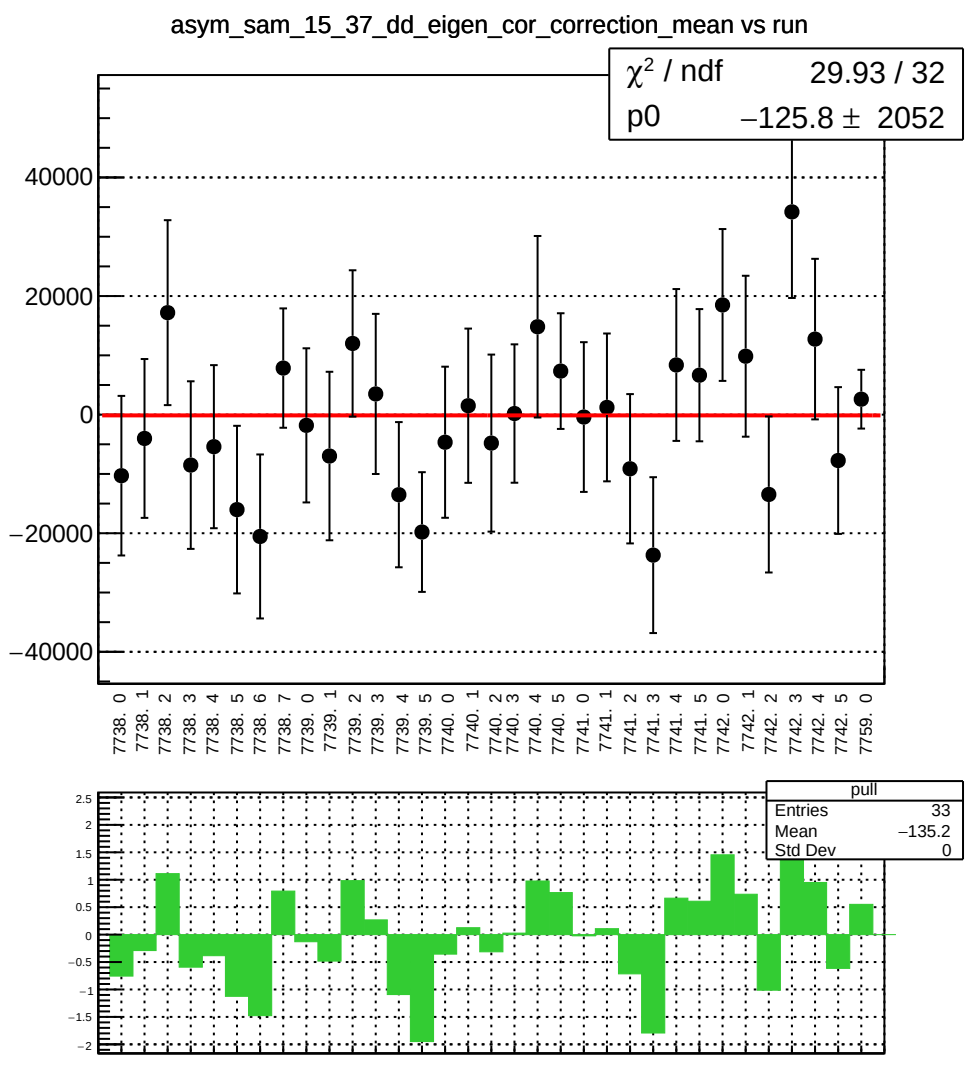

pull1D
Entries 33
Mean −0.01877
Std Dev 0.9521
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

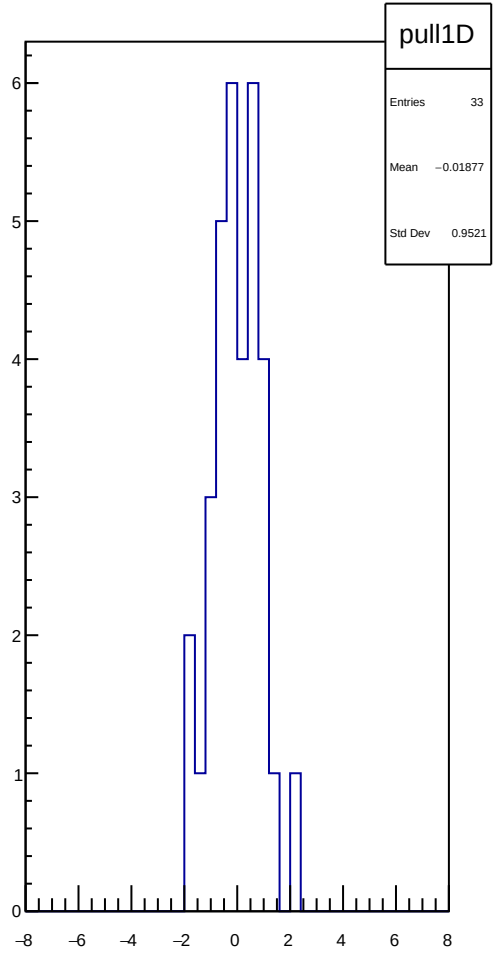

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 2.667e+04 / 32
p0 1158 ± 1.451
1500
1400
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

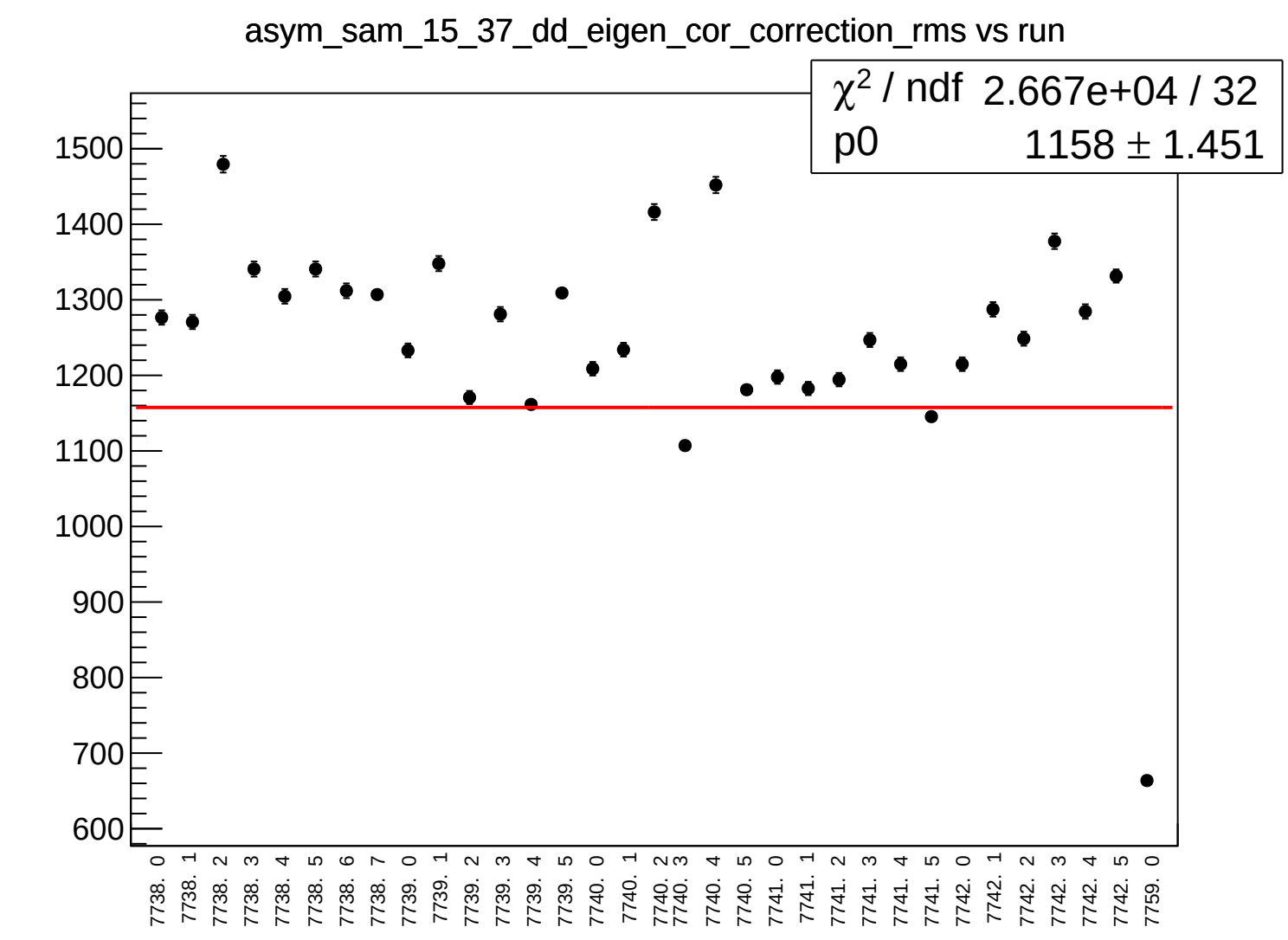

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 25.76 / 32
p0 −193.4 ± 205.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.383
Std Dev 27.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

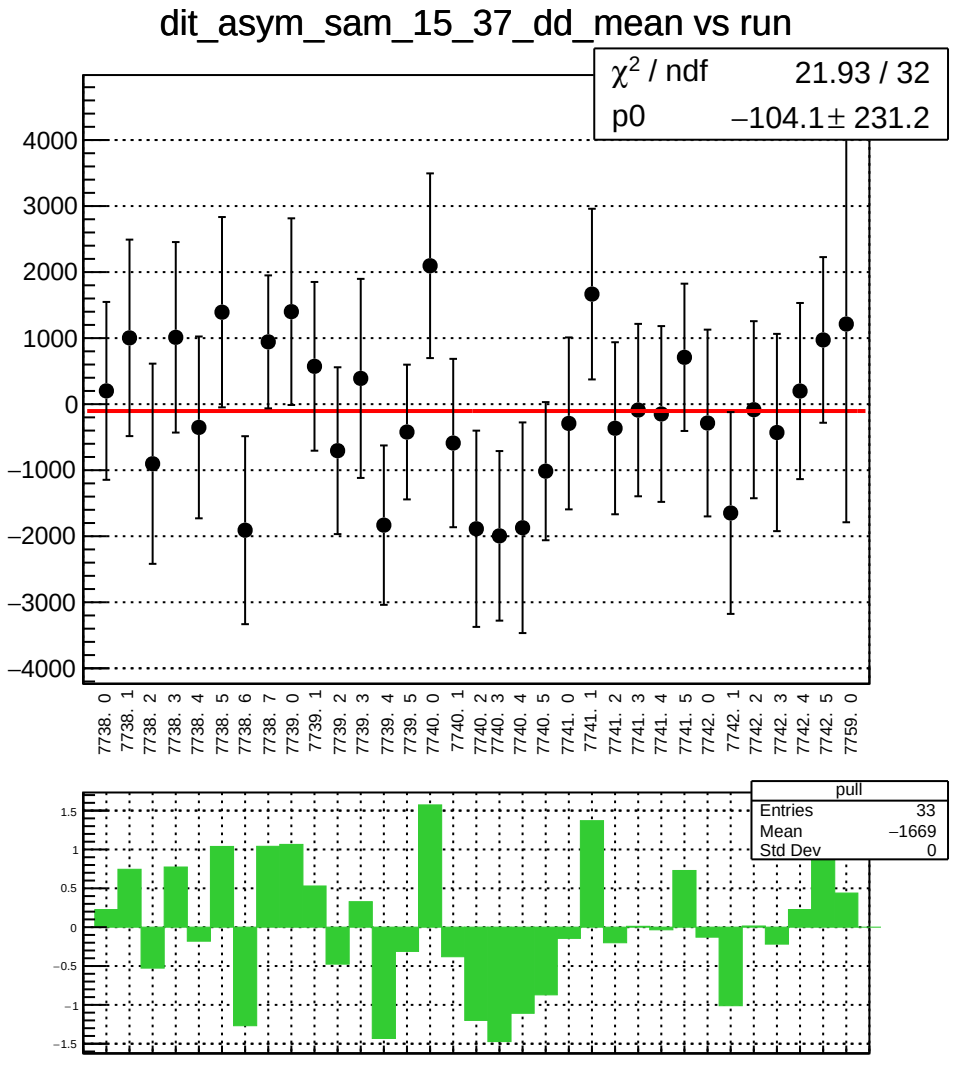

pull1D
Entries 33
Mean 0.01035
Std Dev 0.8835
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

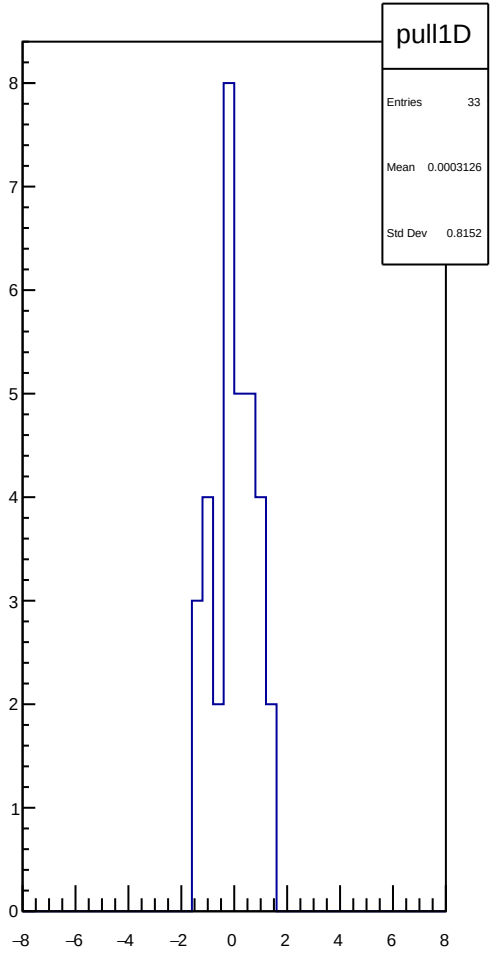

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 9769 / 32
p0 117.3 ± 0.1452
140
130
120
110
100
90
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

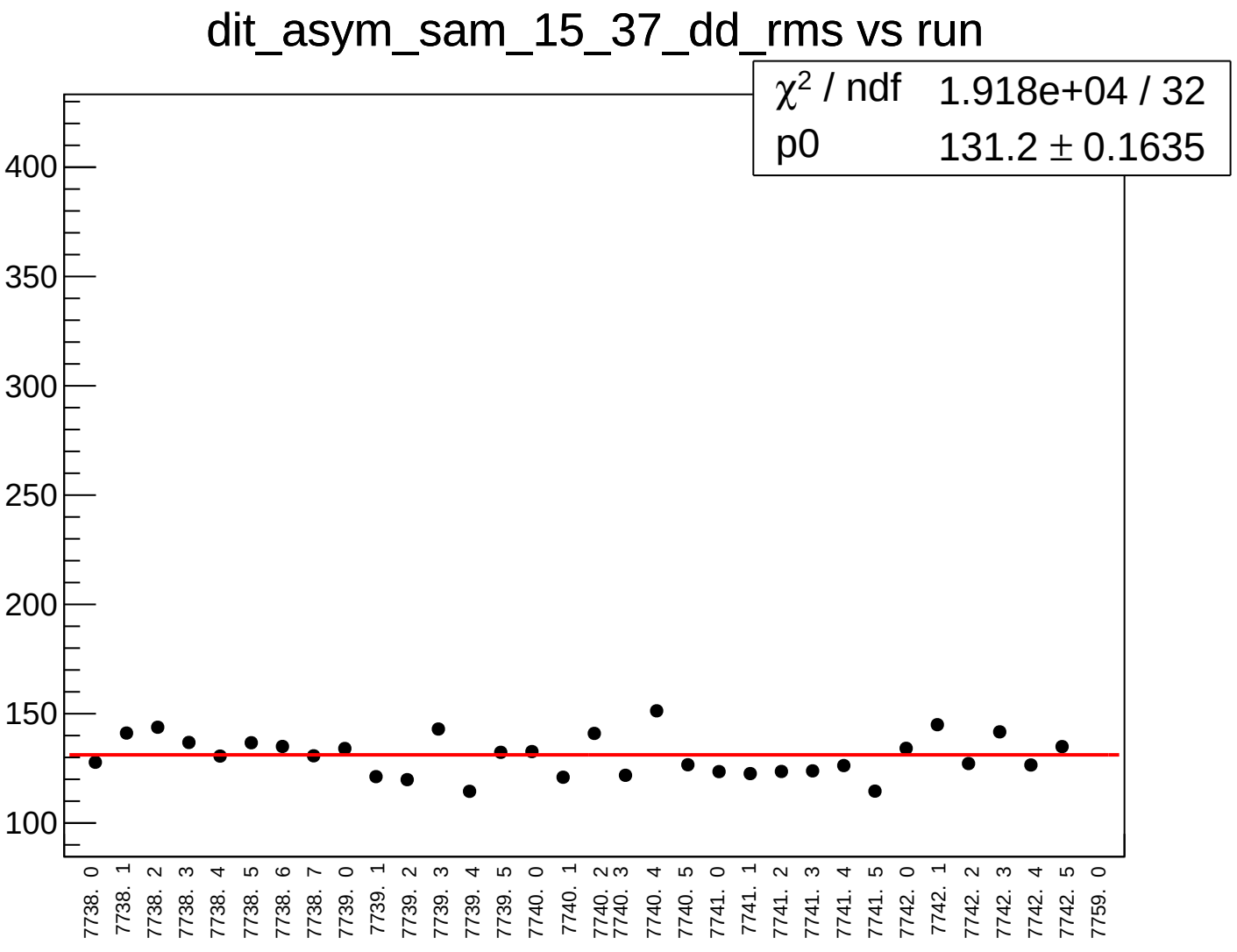

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 29.93 / 32
p0 −125.8 ± 2052
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −135.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

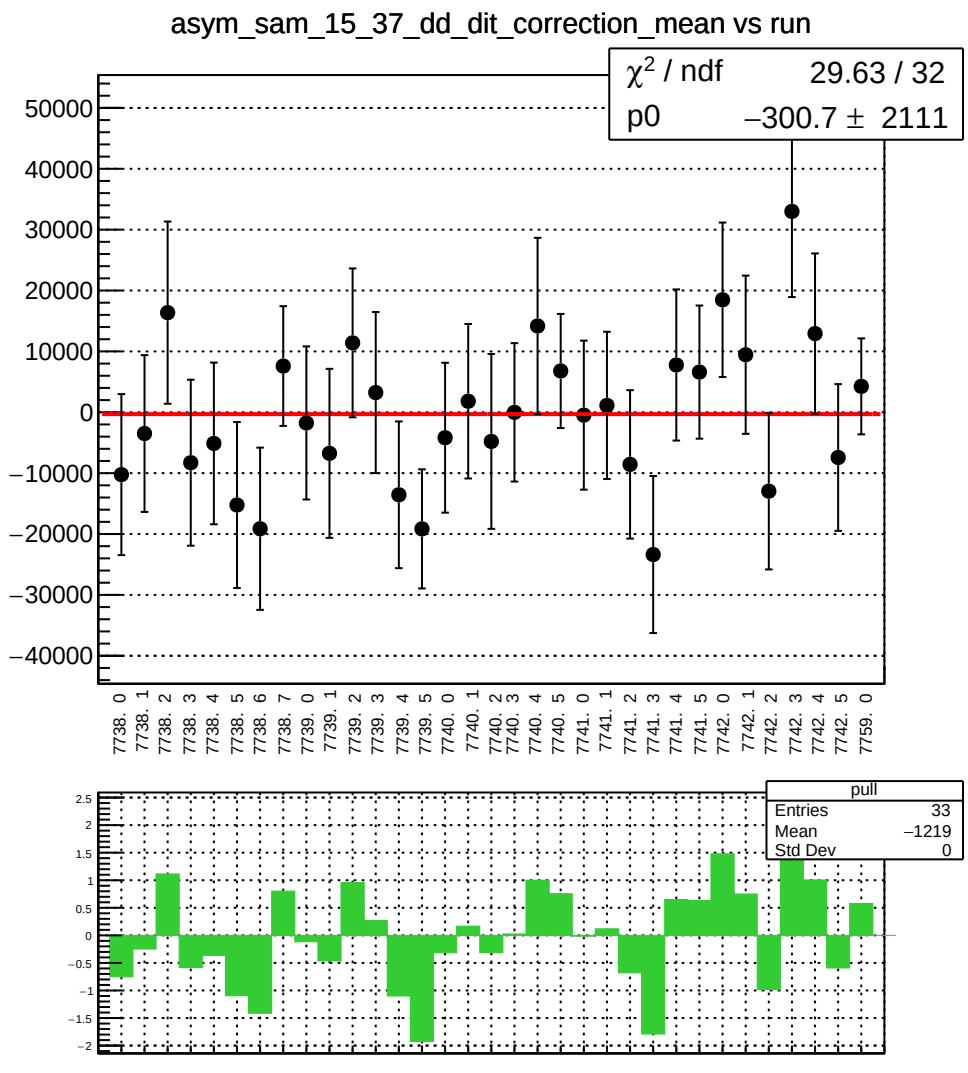

pull1D
Entries 33
Mean −0.01877
Std Dev 0.9521
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

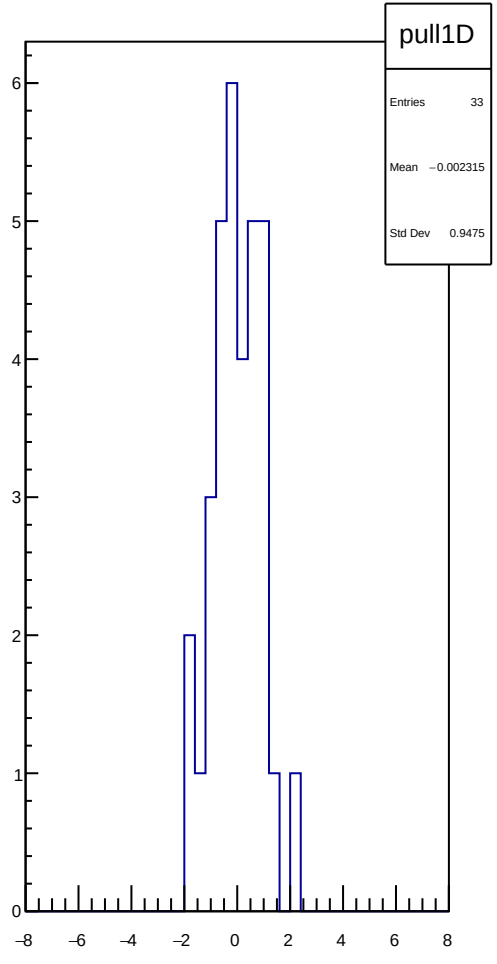

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.667e+04 / 32
p0 1158 ± 1.451
1500
1400
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

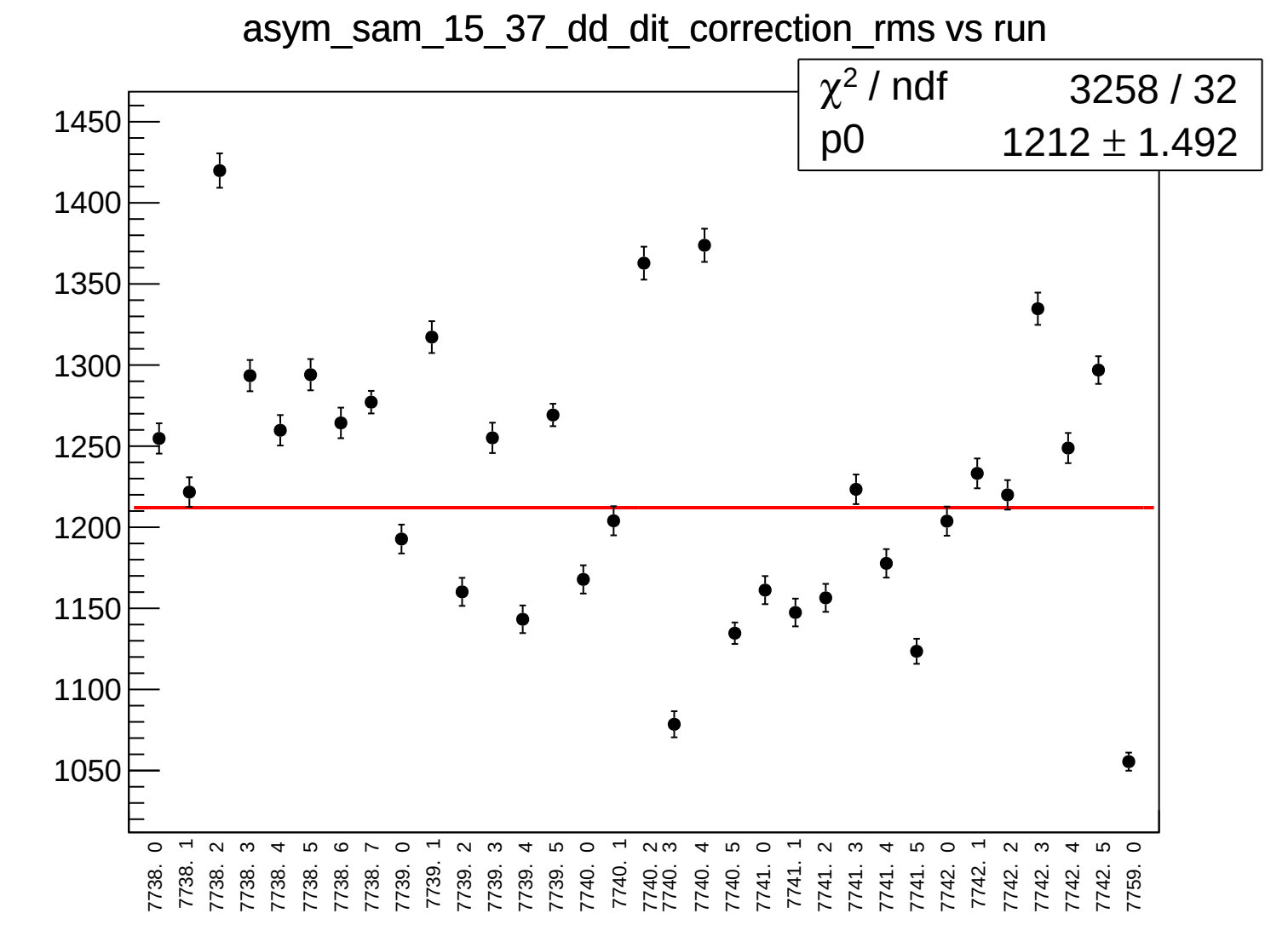

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 21.93 / 32
p0 −104.1± 231.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1669
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

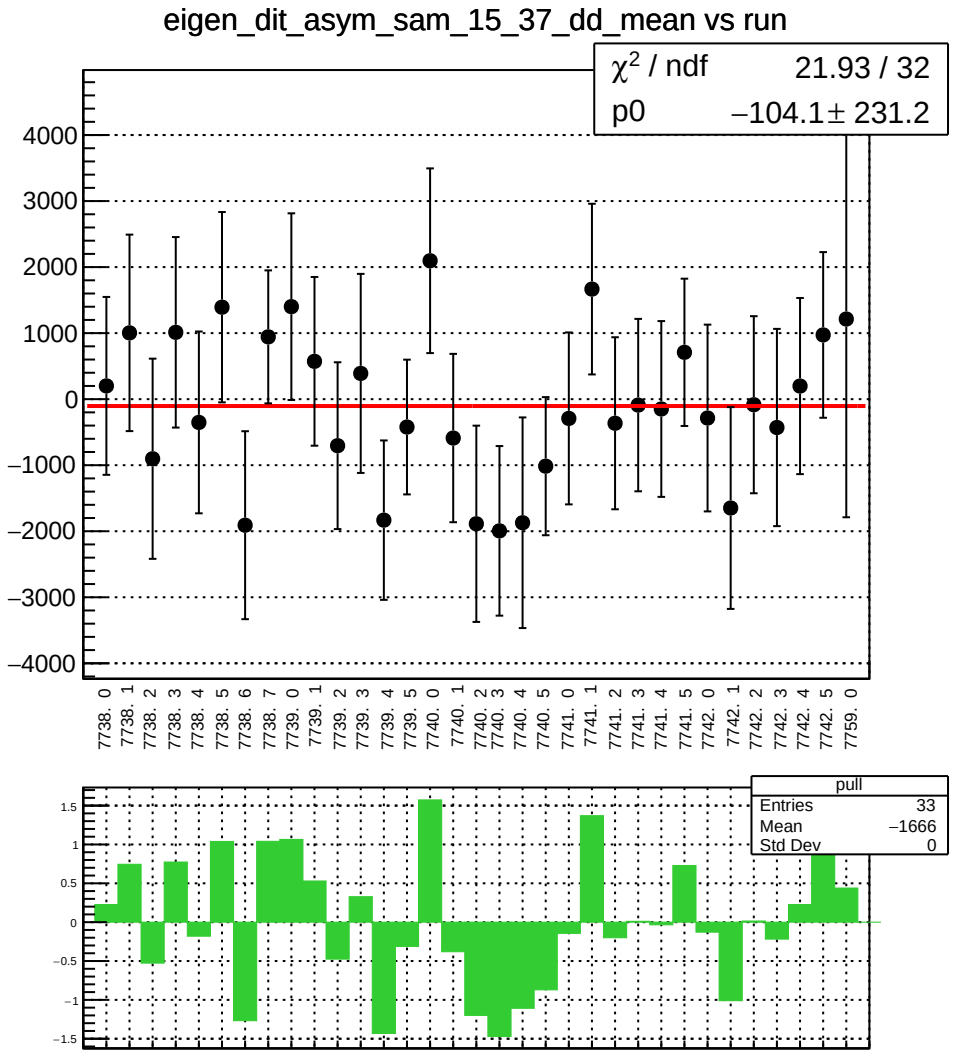

pull1D
Entries 33
Mean 0.0003126
Std Dev 0.8152
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

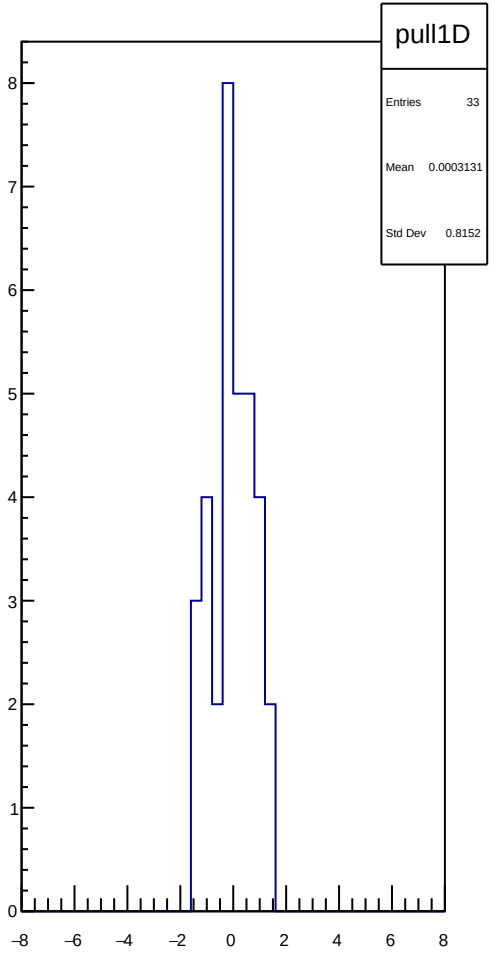

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.918e+04 / 32
p0 131.2 ± 0.1635
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

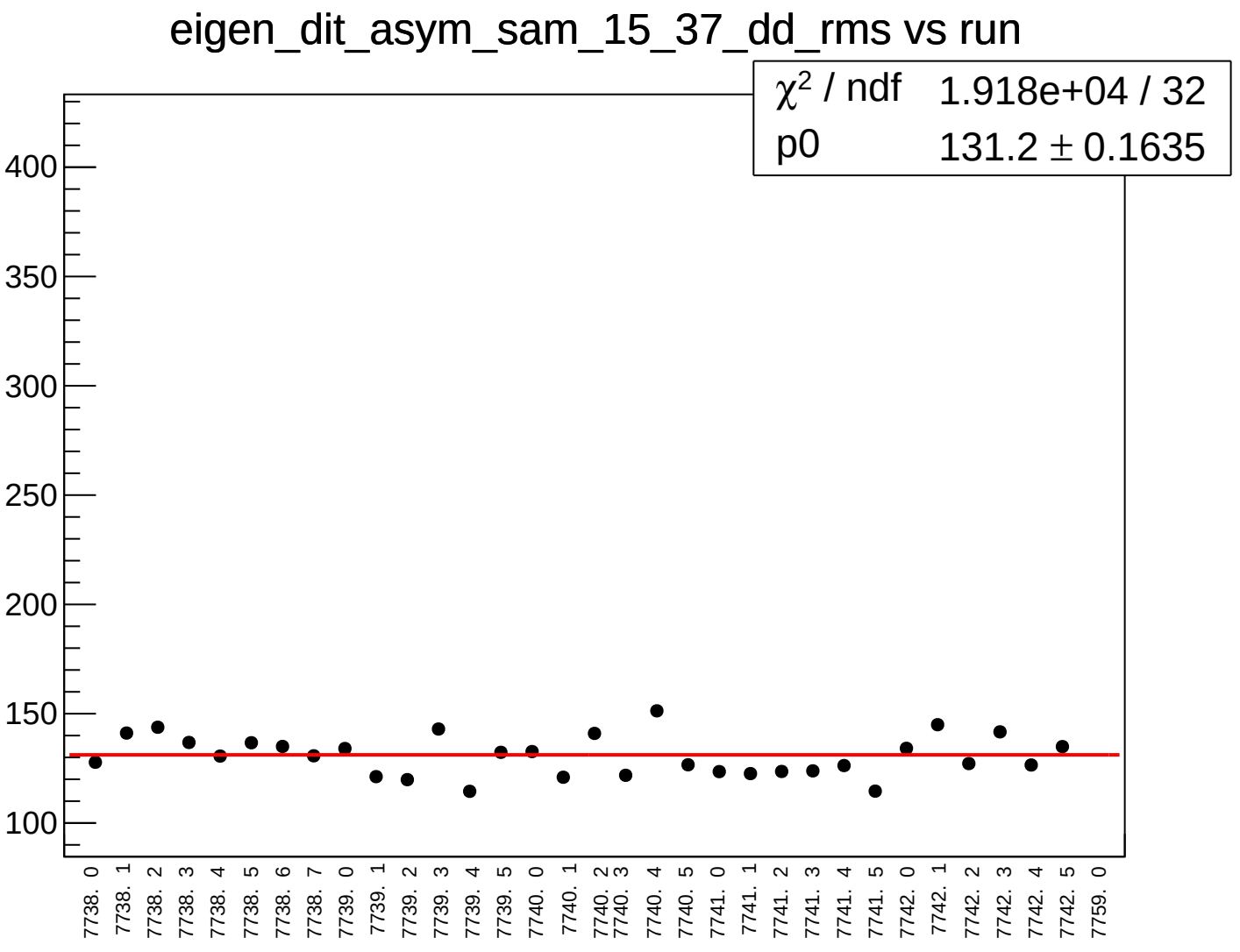

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 29.63 / 32
p0 −300.7 ± 2111
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1219
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

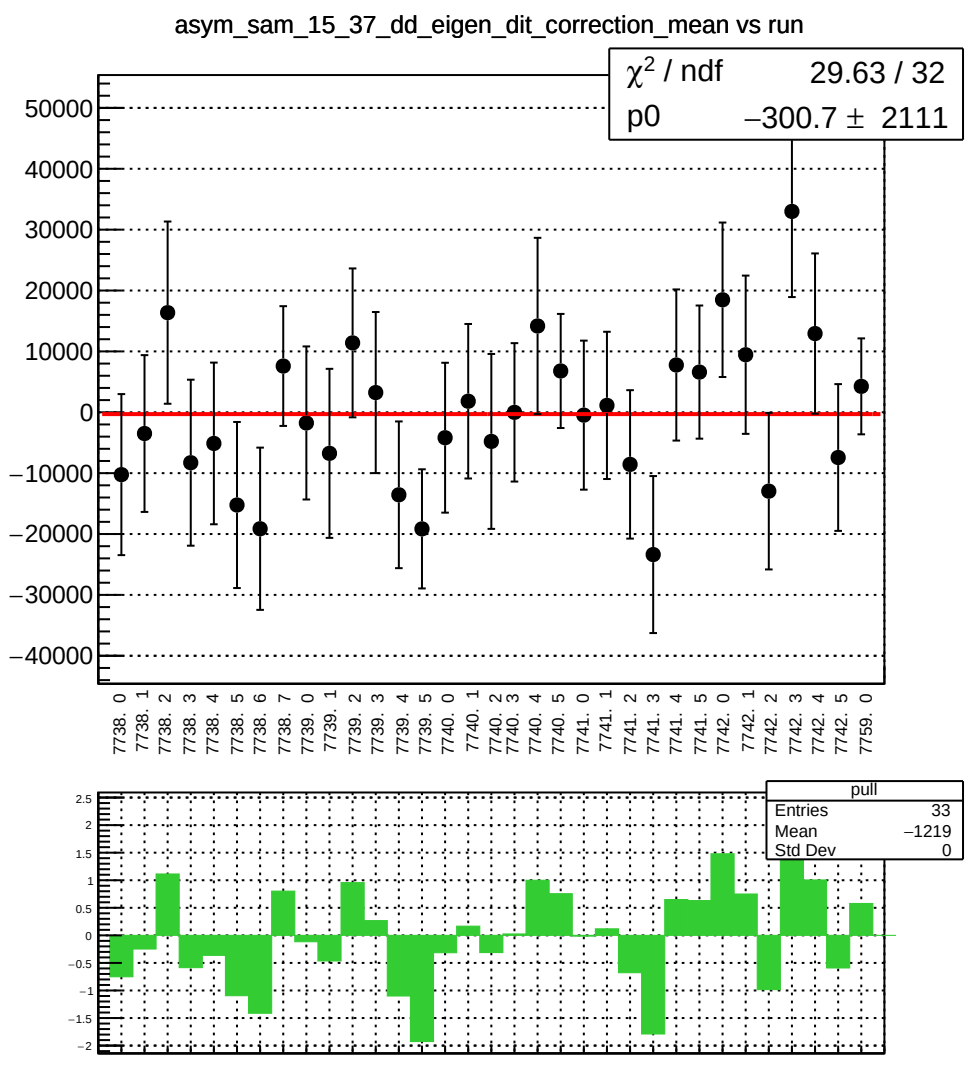

pull1D
Entries 33
Mean −0.002315
Std Dev 0.9475
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

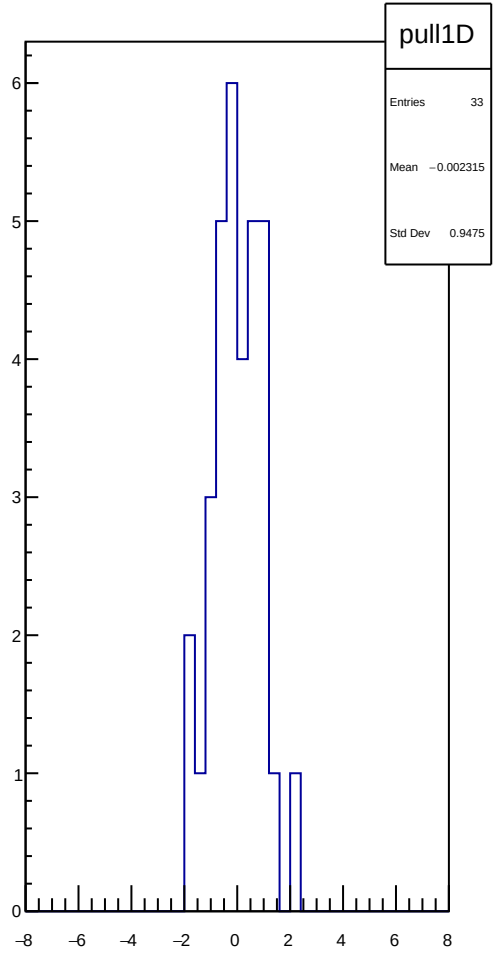

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 3258 / 32
p0 1212 ± 1.492
1450
1400
1350
1300
1250
1200
1150
1100
1050
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

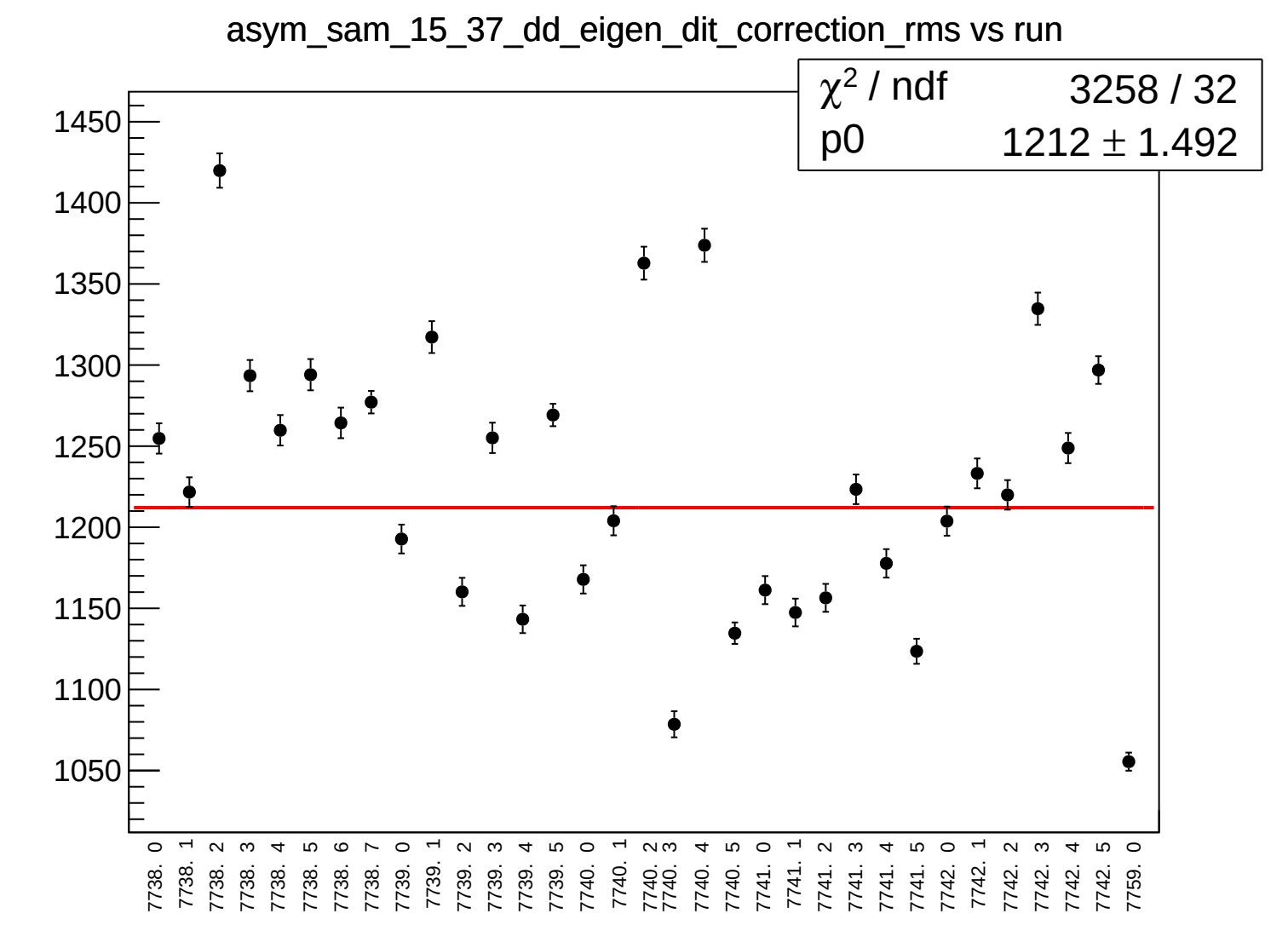

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 21.93 / 32
p0 −104.1± 231.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1666
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

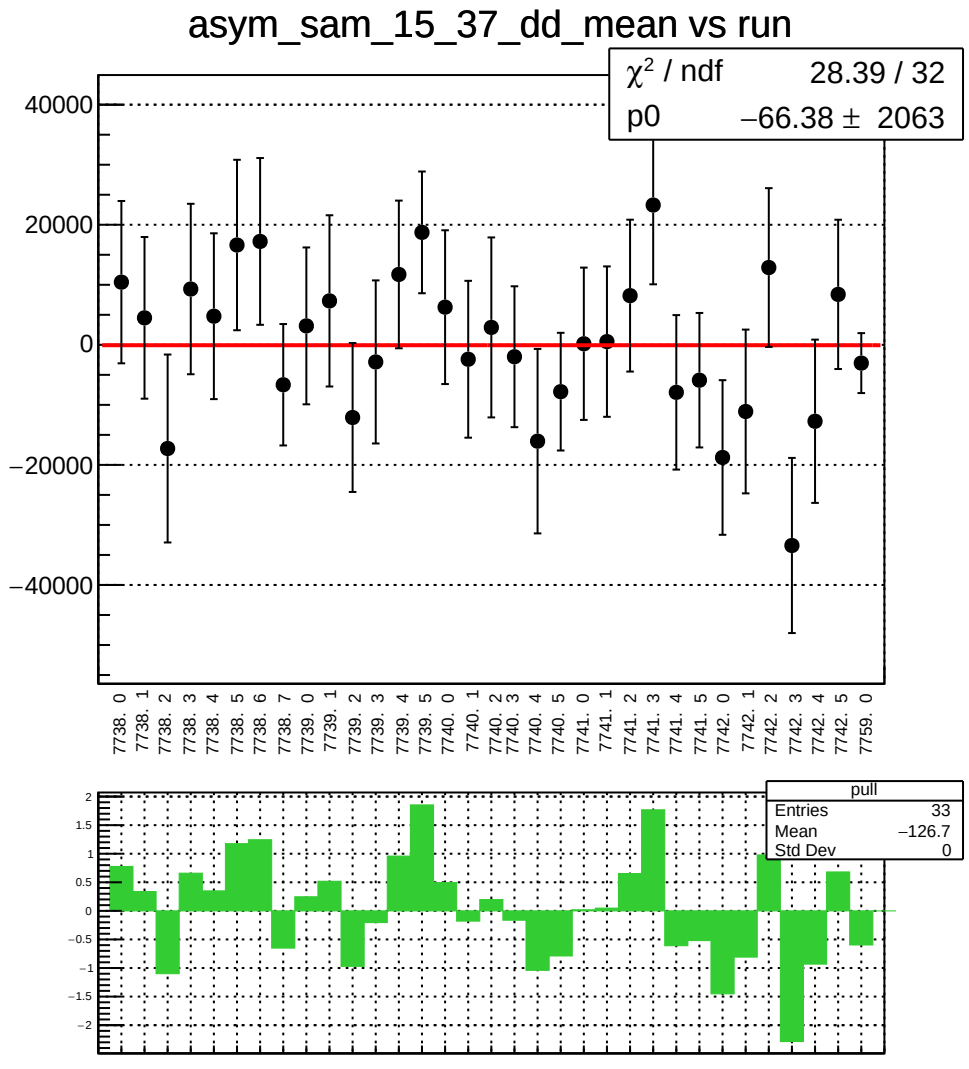

pull1D
Entries 33
Mean 0.0003131
Std Dev 0.8152
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

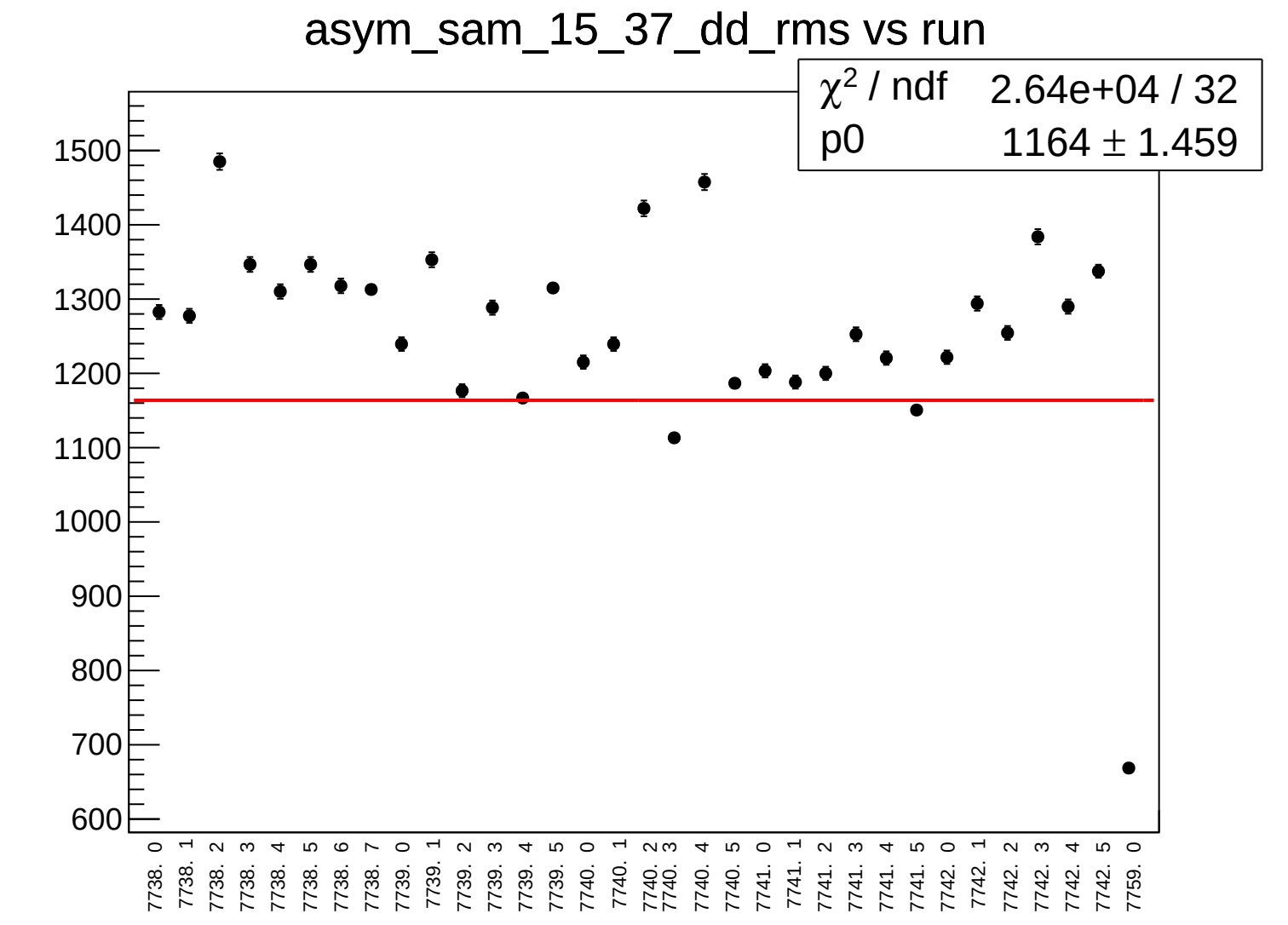

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.918e+04 / 32
p0 131.2 ± 0.1635
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

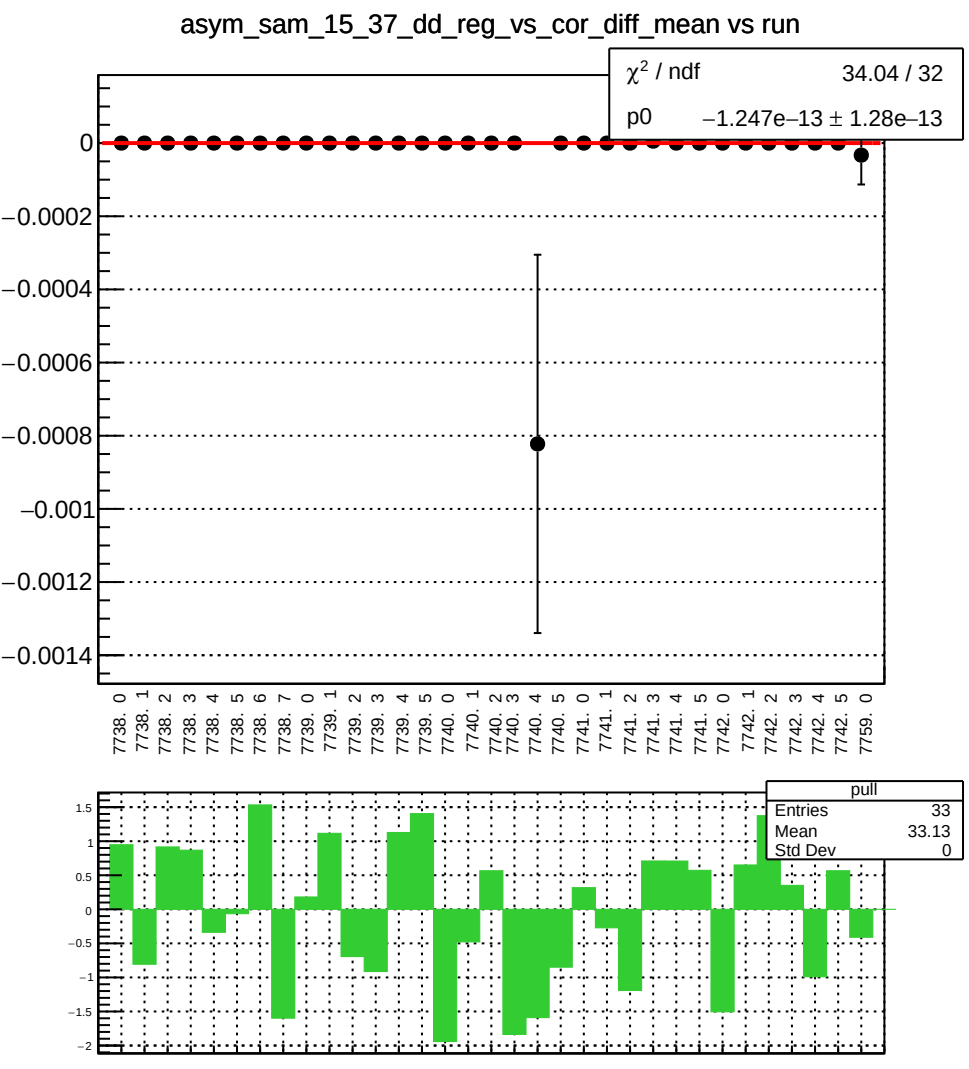

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.63 / 32
p0 −300.7 ± 2111
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1219
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

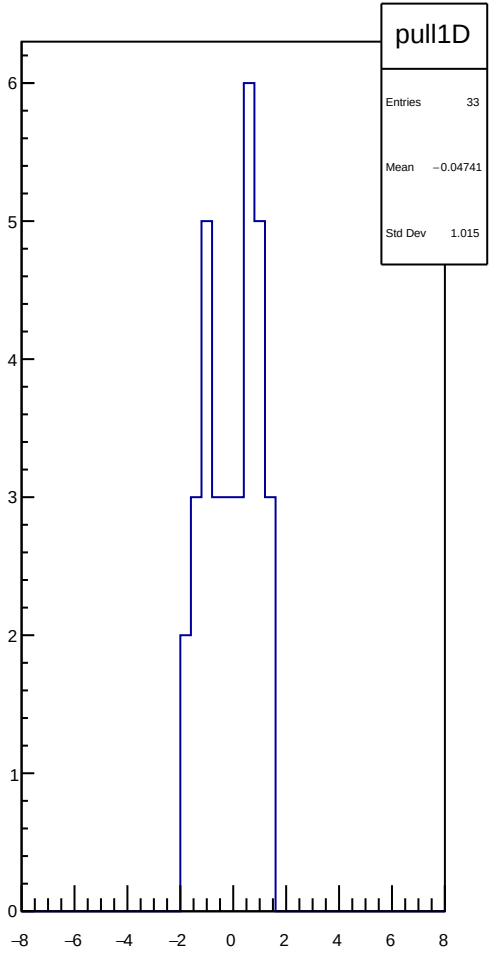

pull1D
Entries 33
Mean −0.002315
Std Dev 0.9475
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

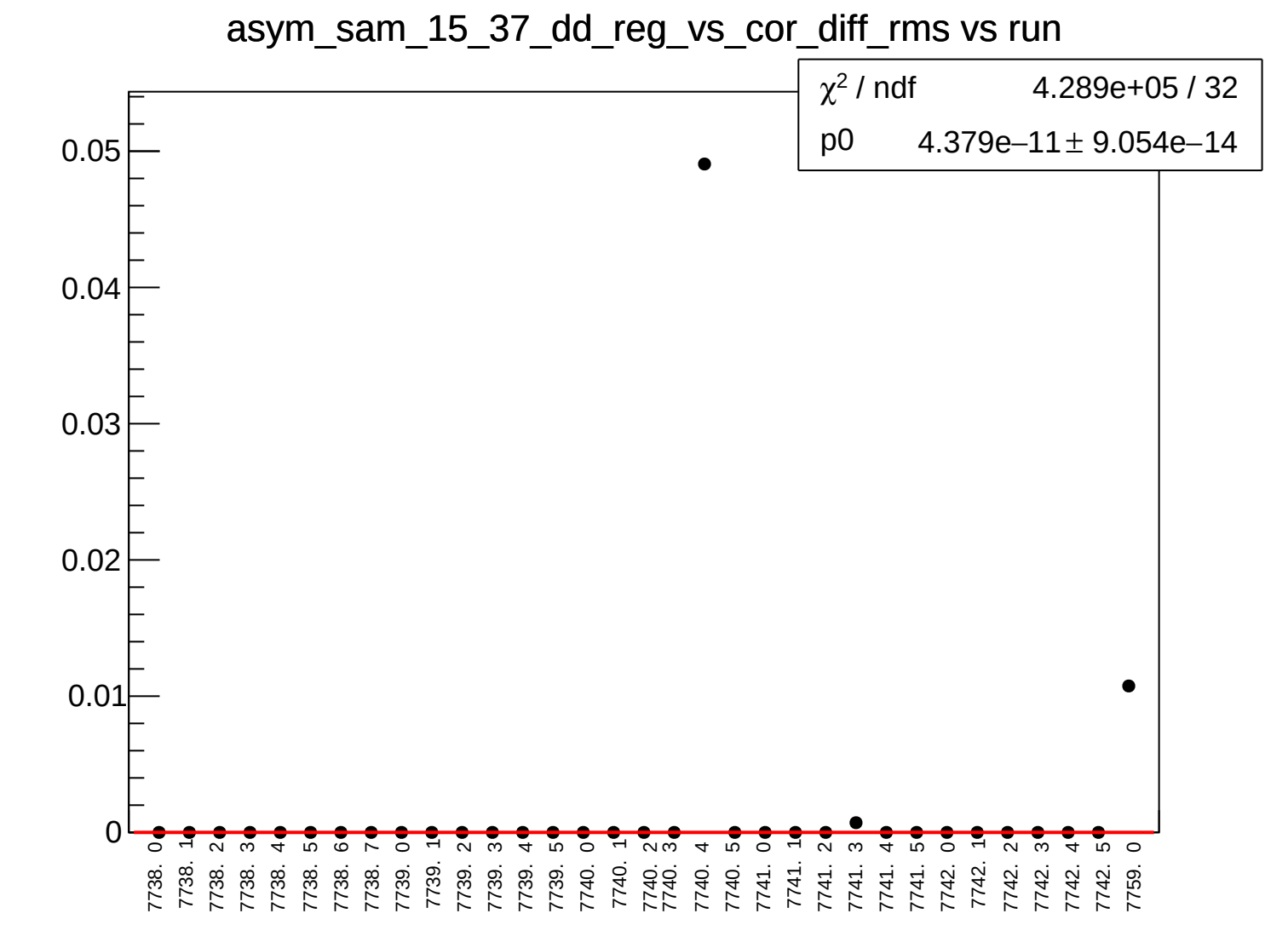

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3258 / 32
p0 1212 ± 1.492
1450
1400
1350
1300
1250
1200
1150
1100
1050
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

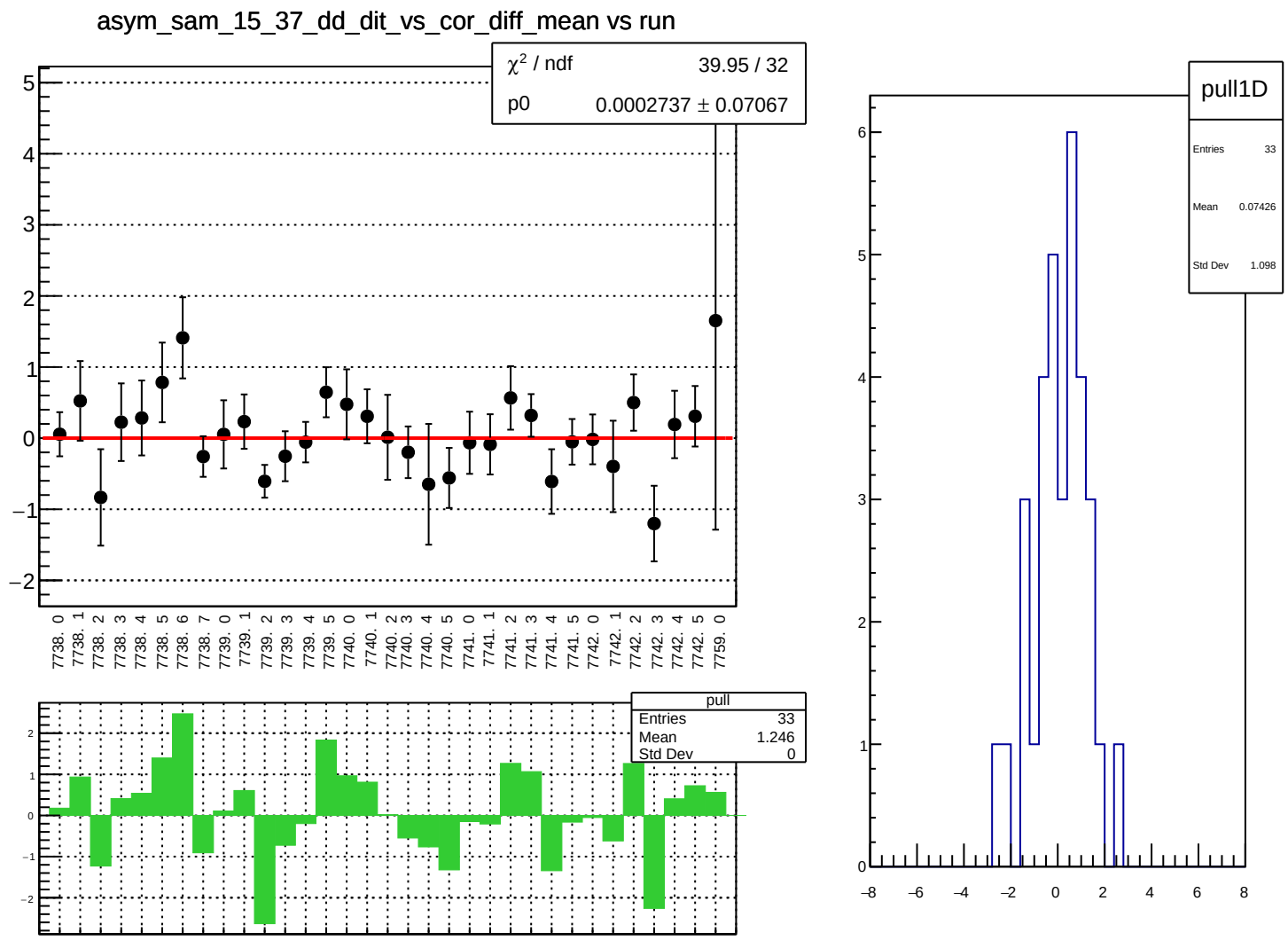

asym_sam_15_37_dd_mean vs run
χ² / ndf 28.39 / 32
p0 −66.38 ± 2063
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −126.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02004
Std Dev 0.9274
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

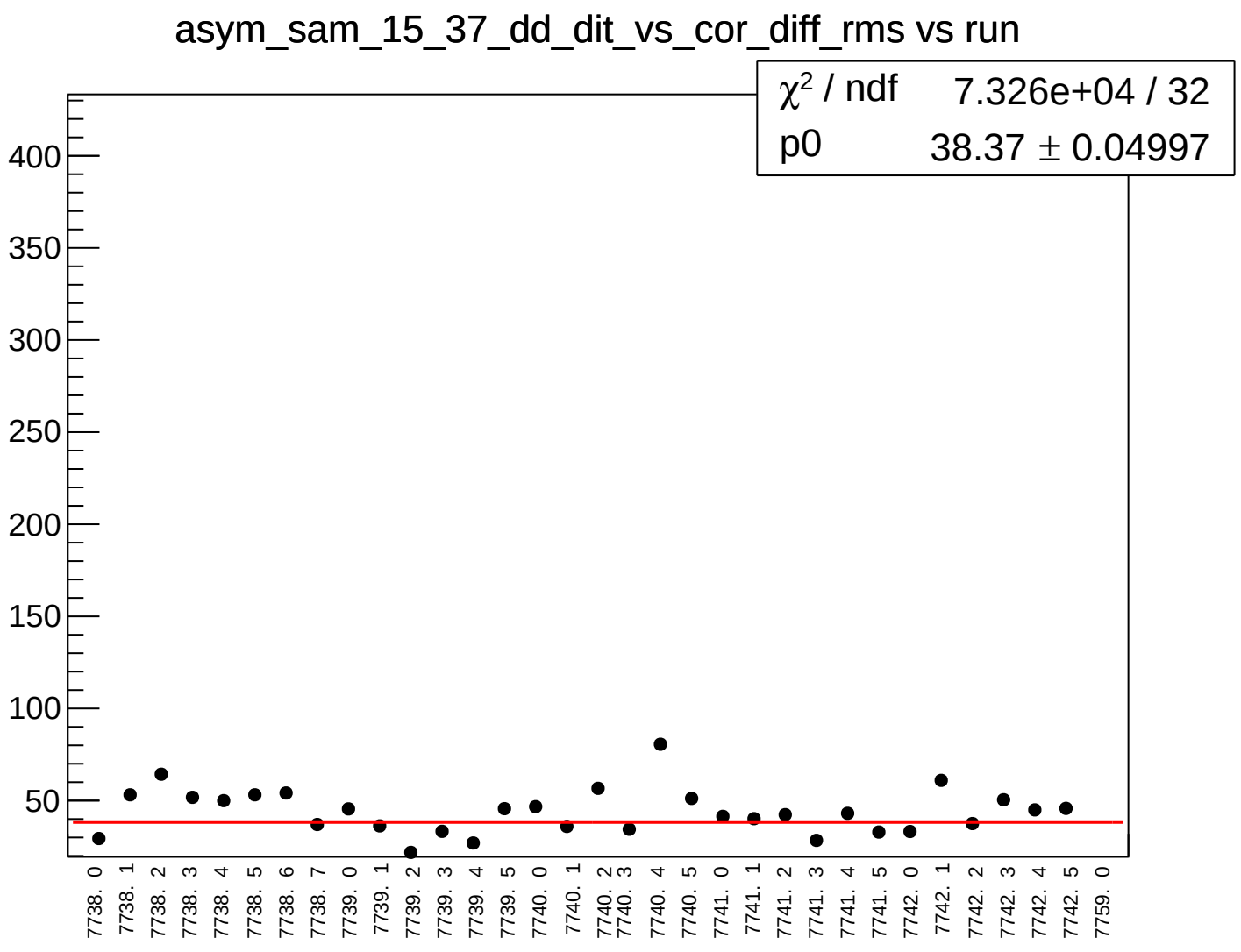

asym_sam_15_37_dd_rms vs run
χ² / ndf 2.64e+04 / 32
p0 1164 ± 1.459
1500
1400
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

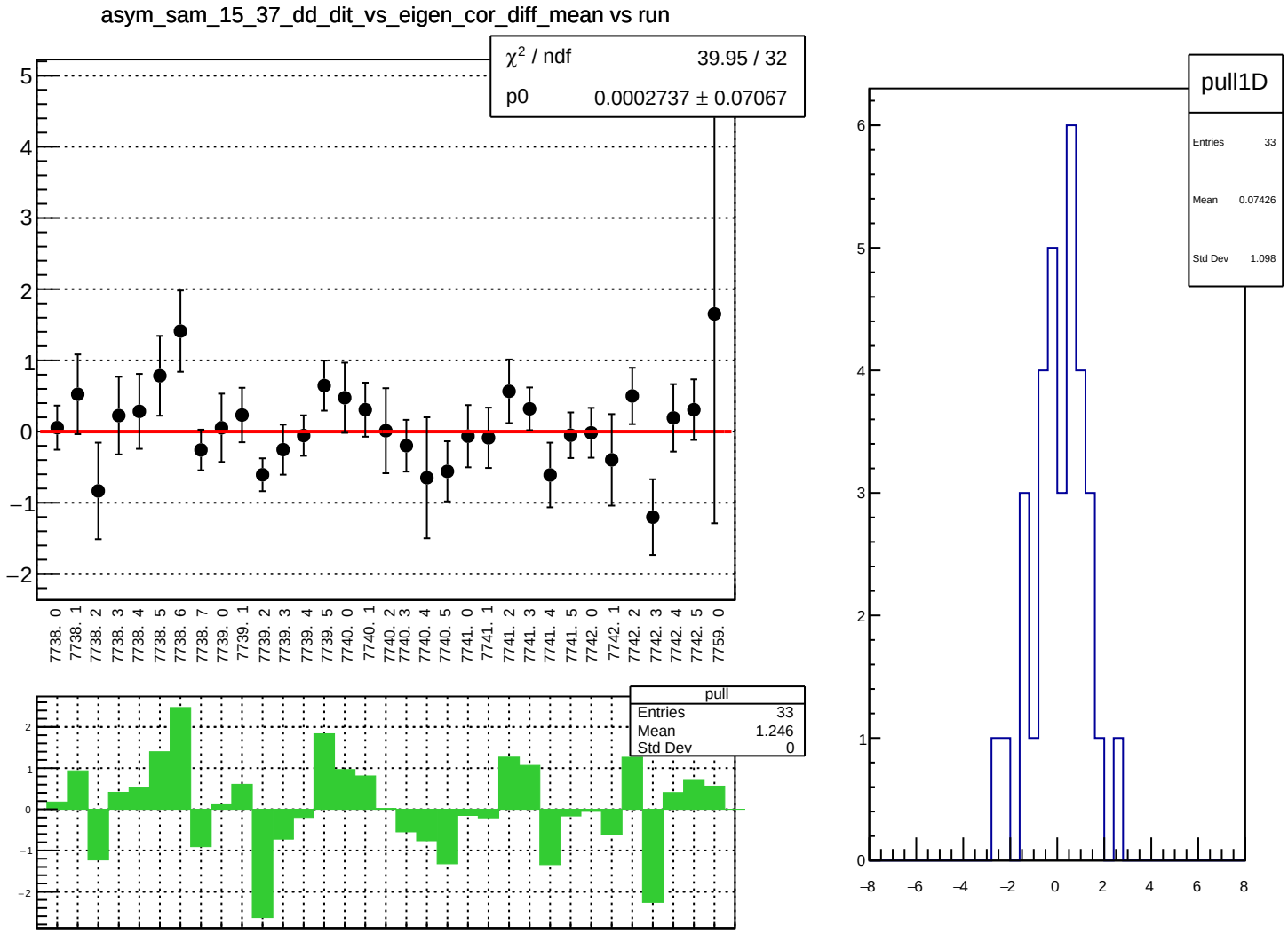

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 34.04 / 32
p0 −1.247e−13 ± 1.28e−13
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
−0.0014
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.13
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

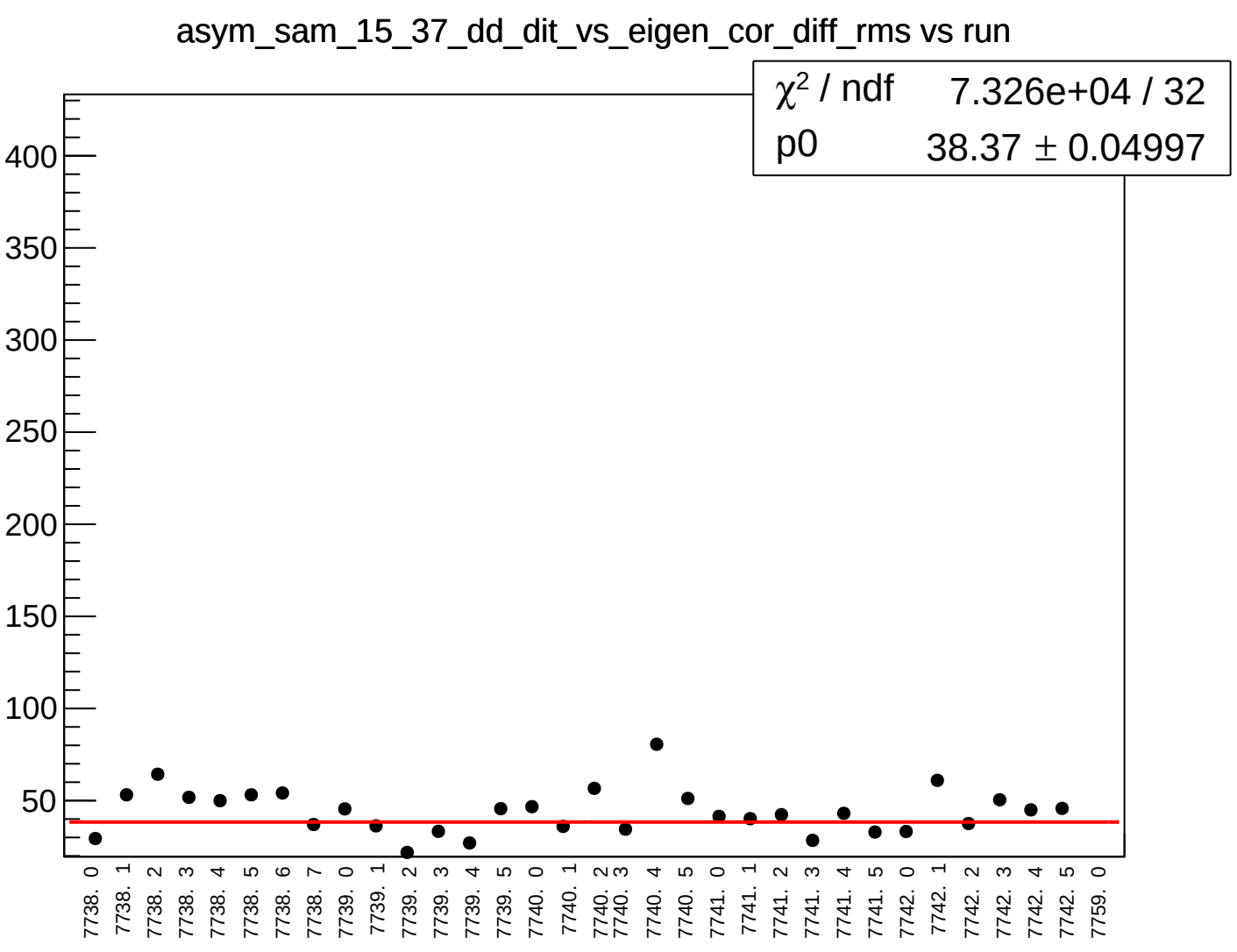

pull1D
Entries 33
Mean −0.04741
Std Dev 1.015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

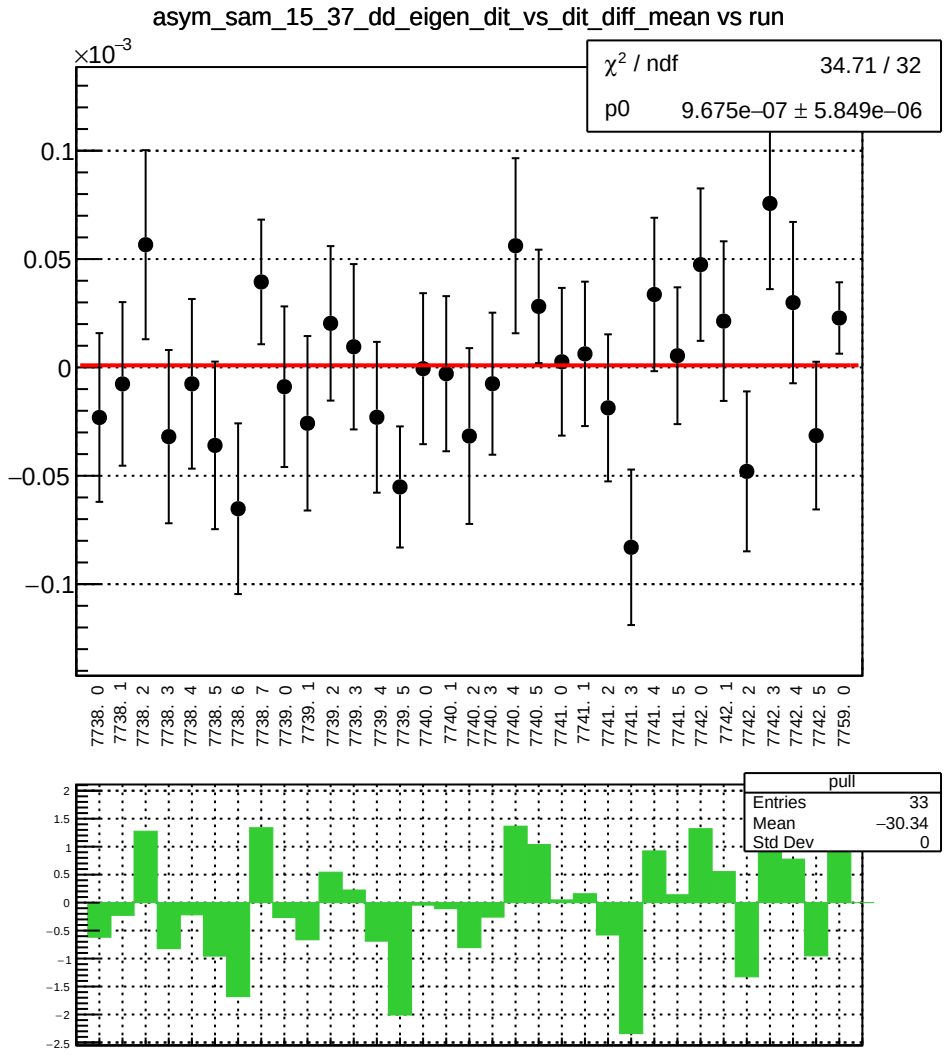

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.289e+05 / 32
p0 4.379e−11 ± 9.054e−14
0.05
0.04
0.03
0.02
0.01
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

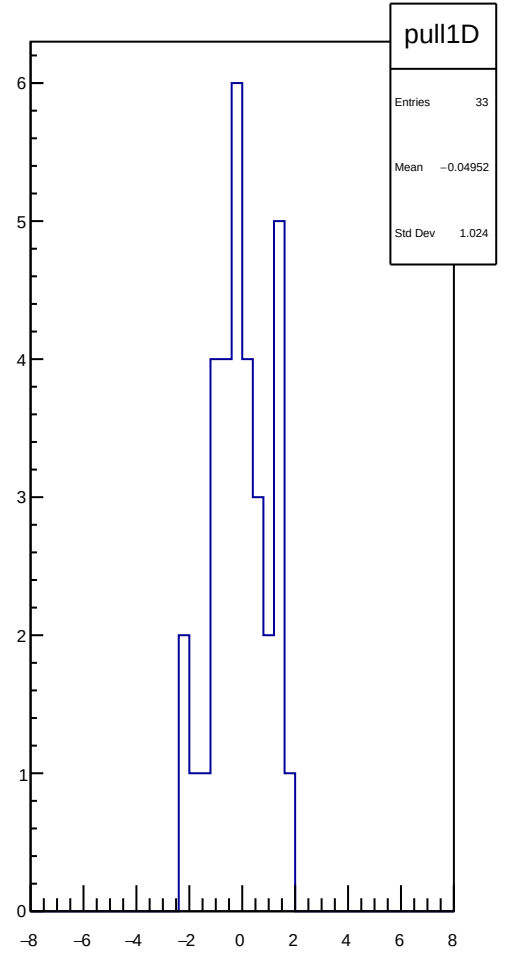

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.95 / 32
p0 0.0002737 ± 0.07067
5
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.246
Std Dev 0
pull1D
Entries 33
Mean 0.07426
Std Dev 1.098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

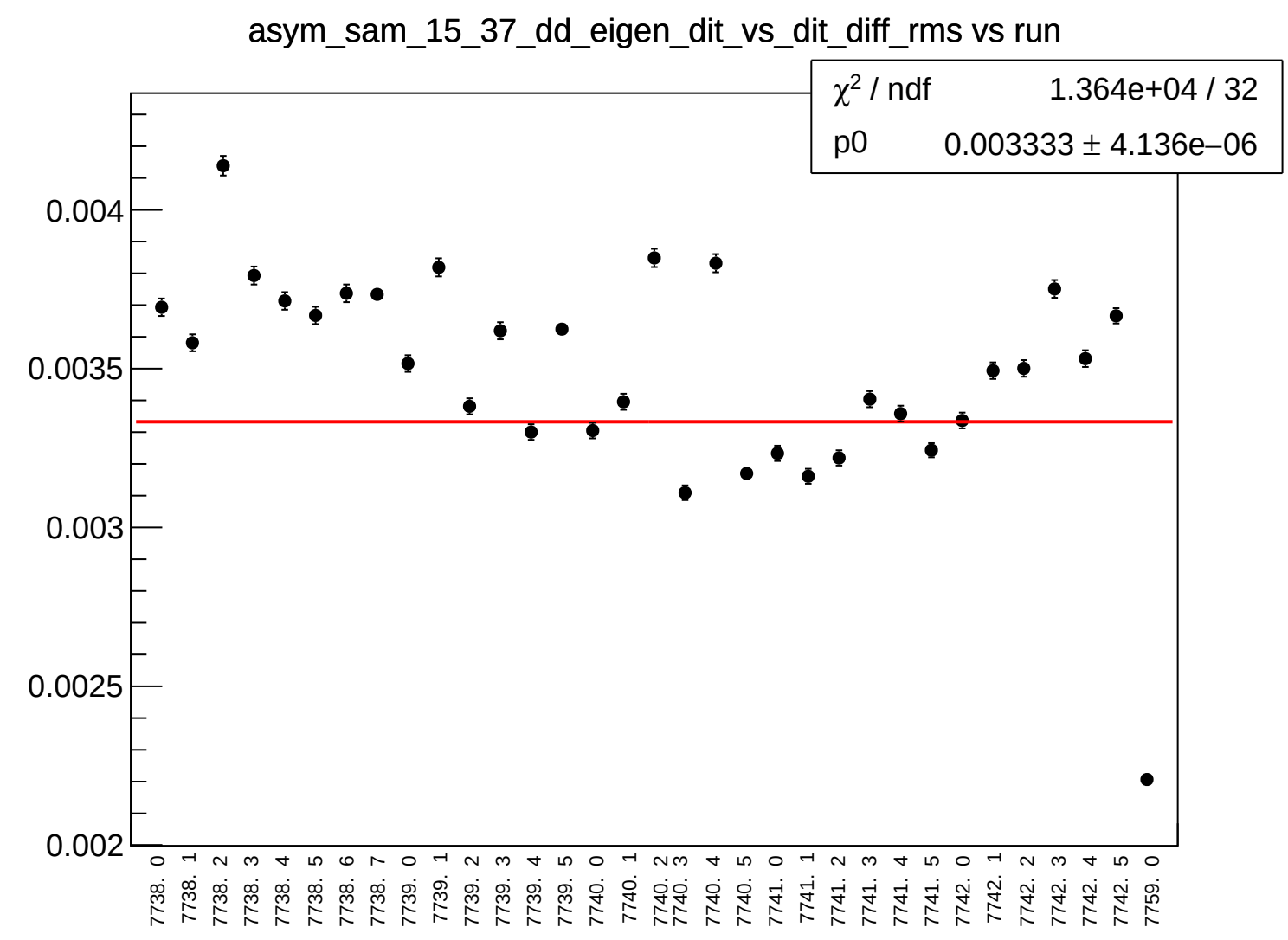

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.326e+04 / 32
p0 38.37 ± 0.04997
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

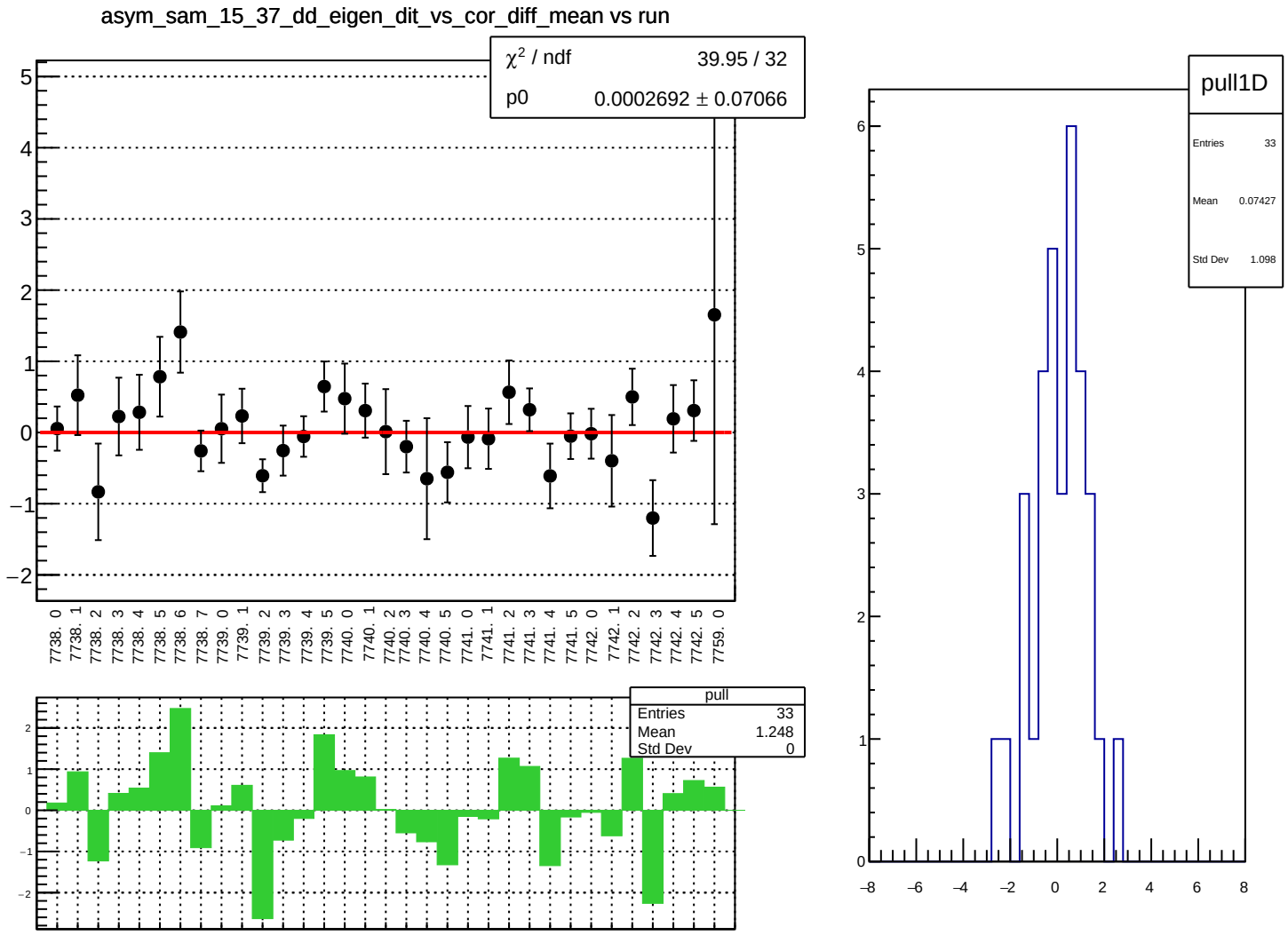

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.95 / 32
p0 0.0002737 ± 0.07067
5
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.246
Std Dev 0
pull1D
Entries 33
Mean 0.07426
Std Dev 1.098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

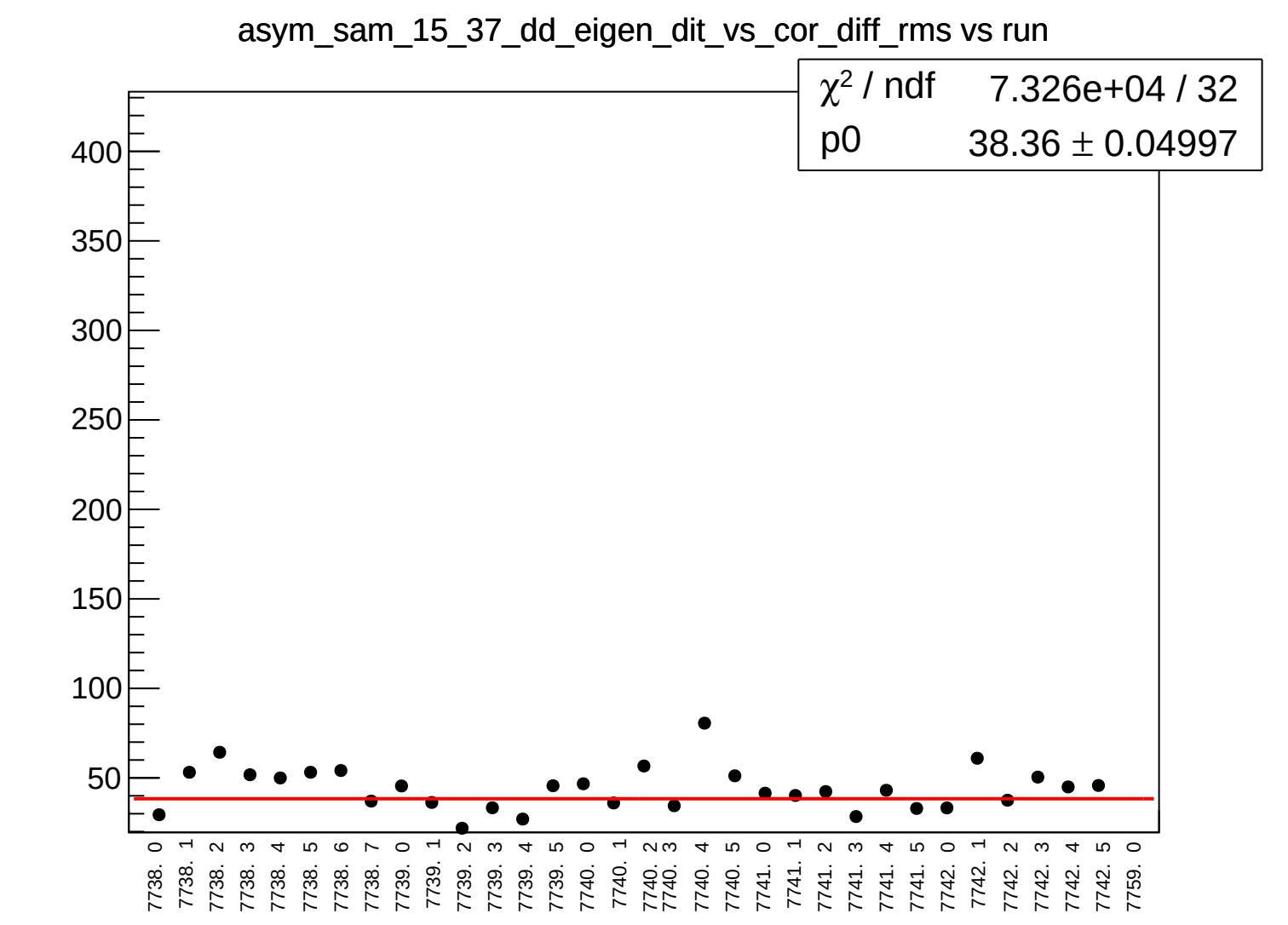

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.326e+04 / 32
p0 38.37 ± 0.04997
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

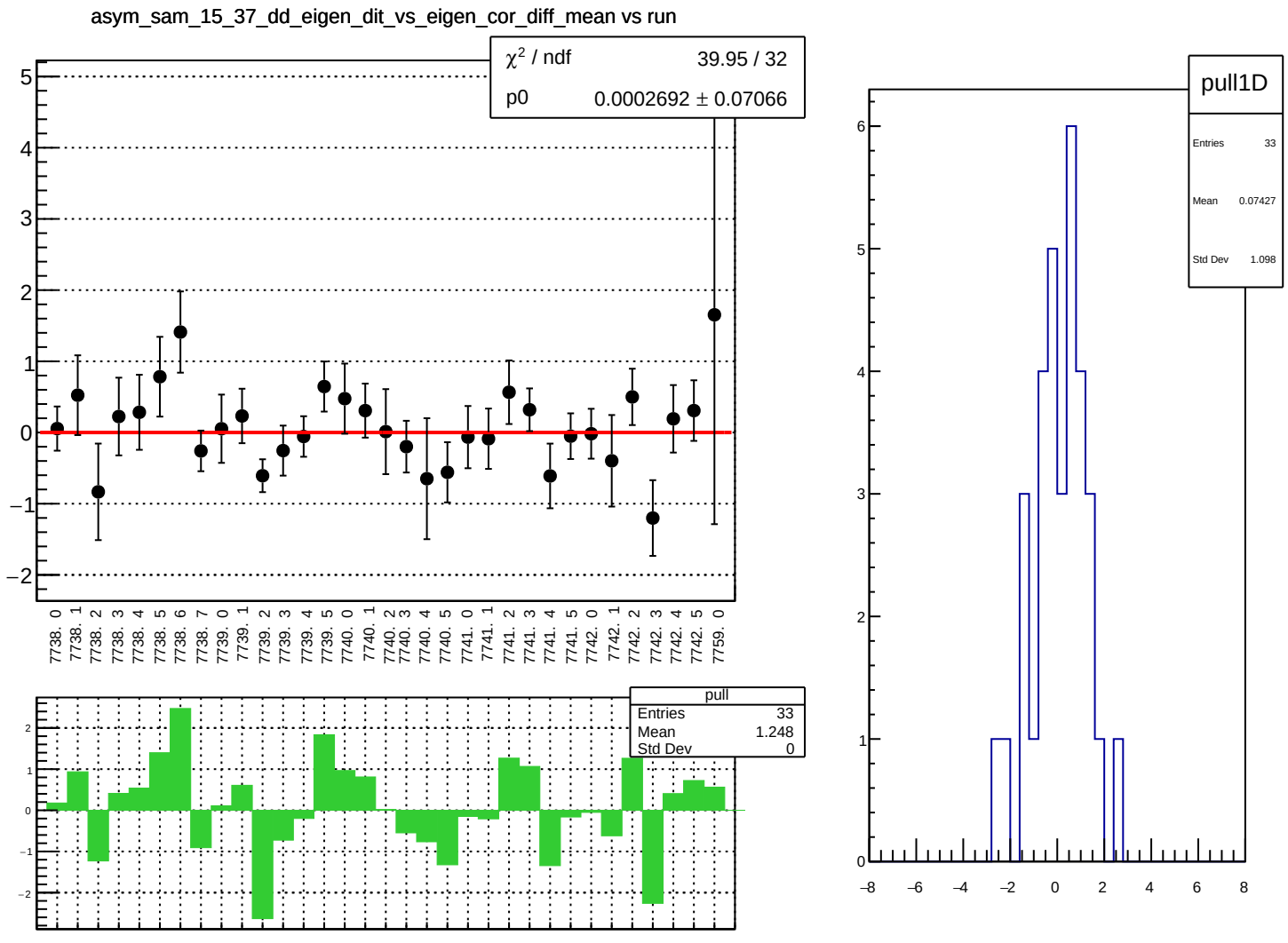

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.71 / 32
p0 9.675e−07 ± 5.849e−06
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

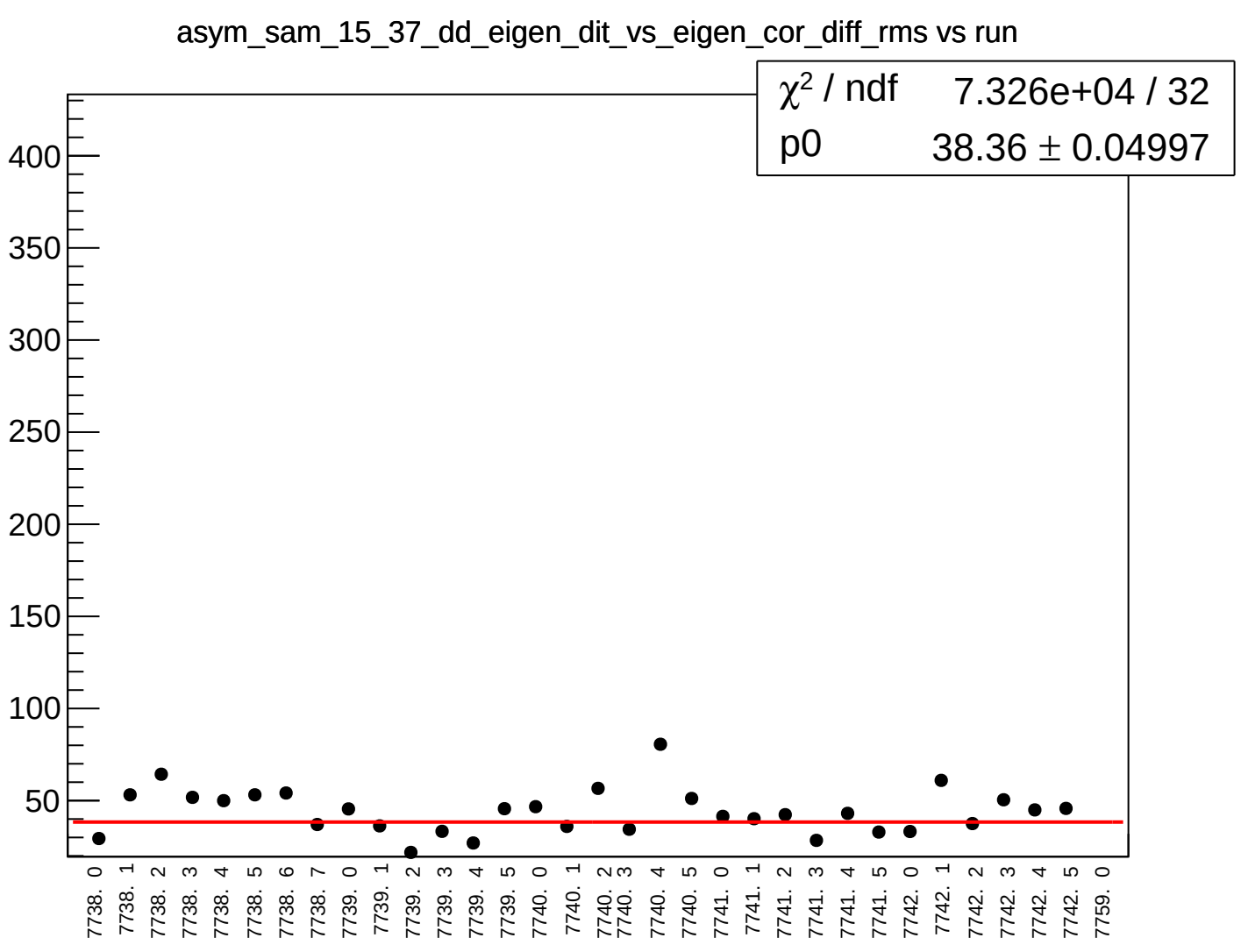

pull1D
Entries 33
Mean −0.04952
Std Dev 1.024
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

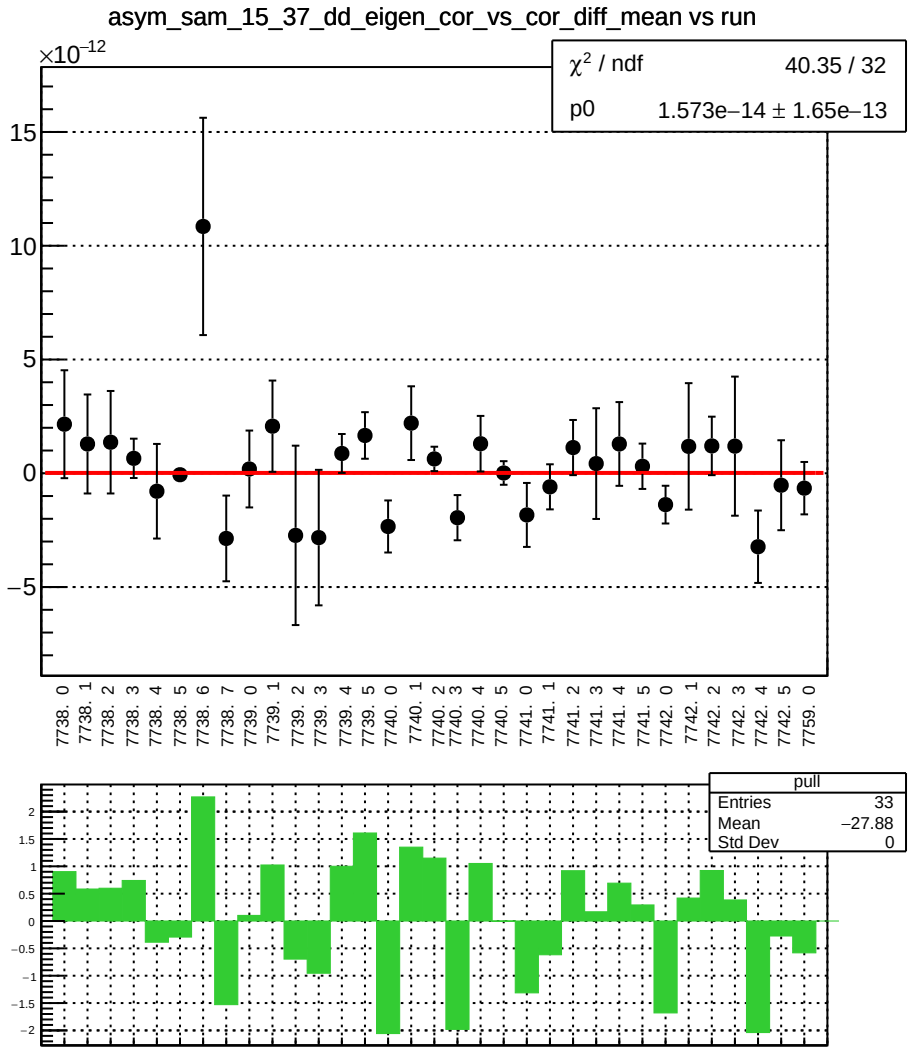

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.364e+04 / 32
p0 0.003333 ± 4.136e−06
0.004
0.0035
0.003
0.0025
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

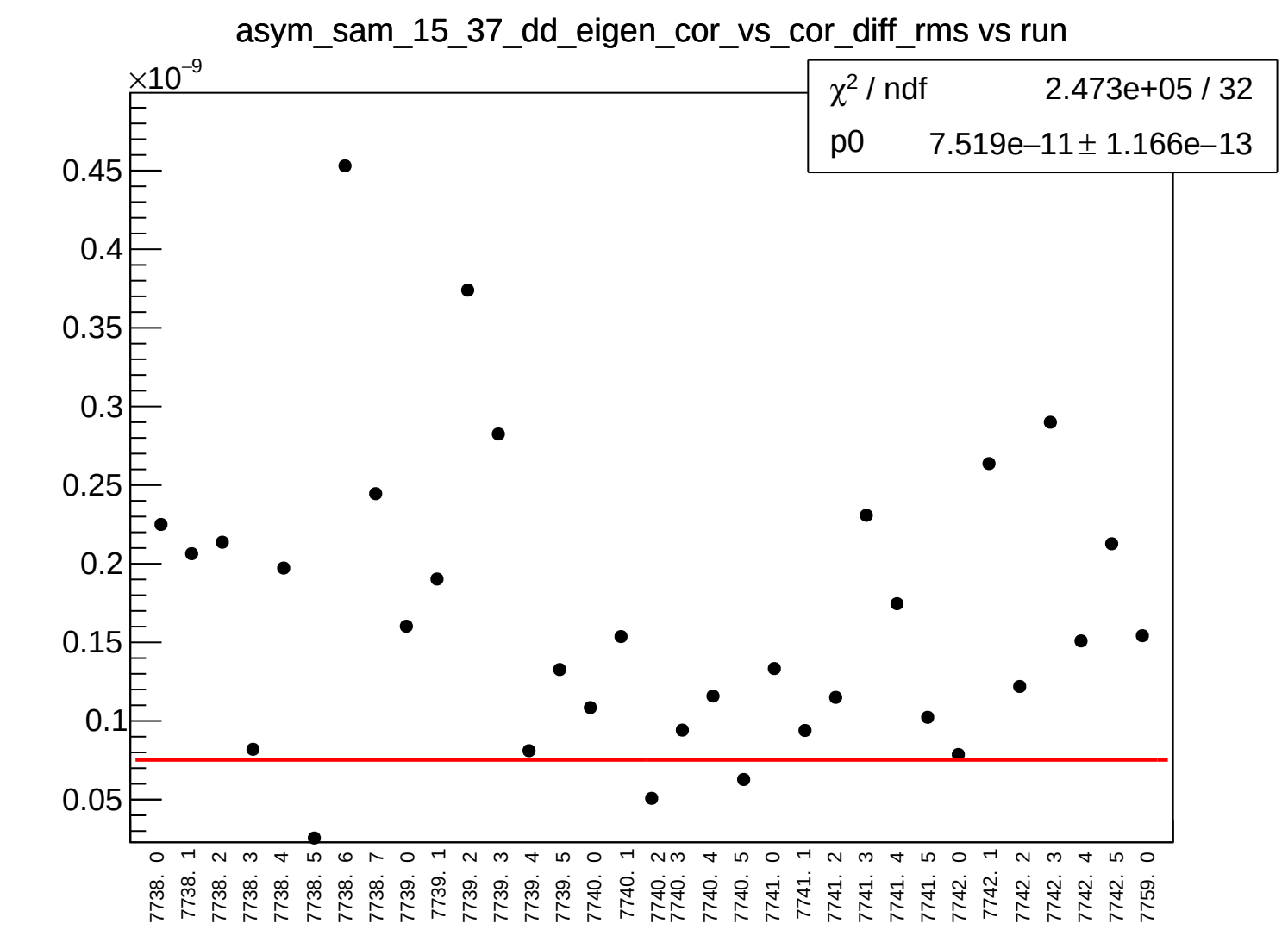

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.95 / 32
p0 0.0002692 ± 0.07066
5
4
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.248
Std Dev 0
pull1D
Entries 33
Mean 0.07427
Std Dev 1.098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

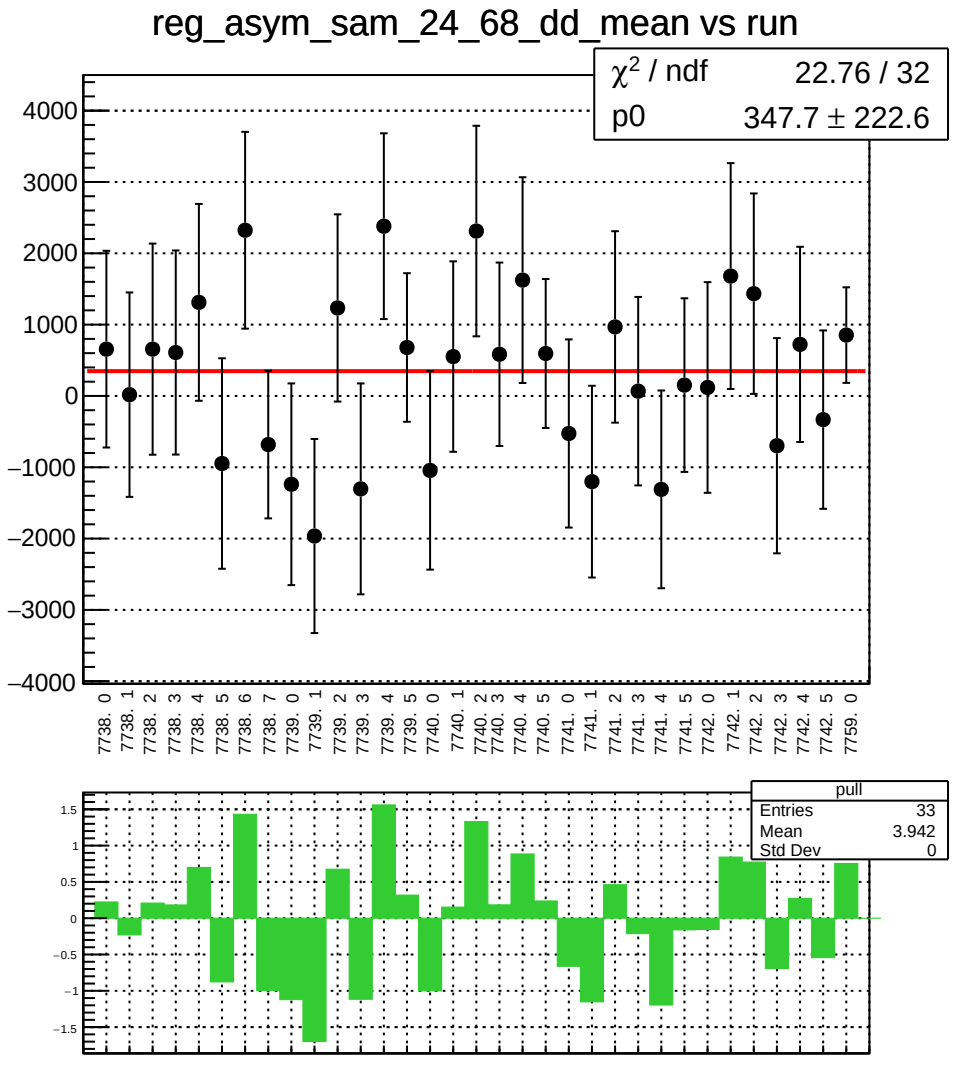

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.326e+04 / 32
p0 38.36 ± 0.04997
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

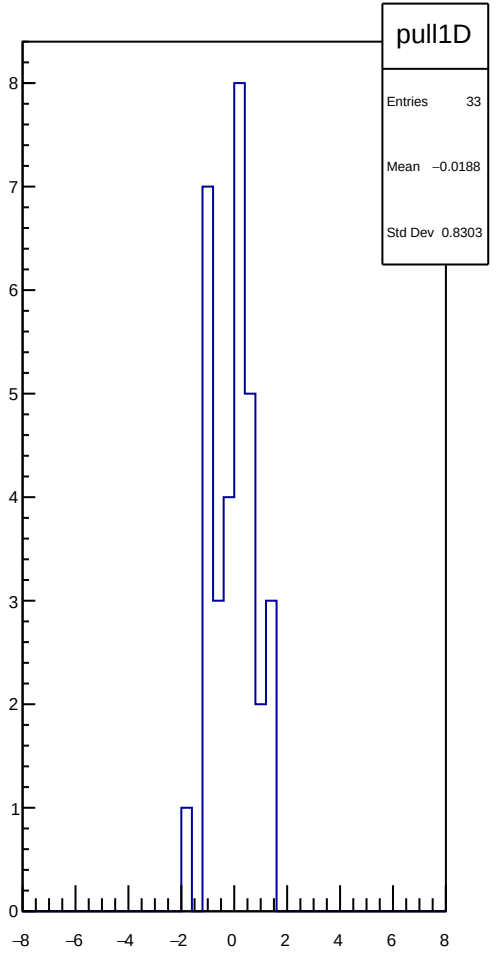

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.95 / 32
p0 0.0002692 ± 0.07066
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.248
Std Dev 0
pull1D
Entries 33
Mean 0.07427
Std Dev 1.098

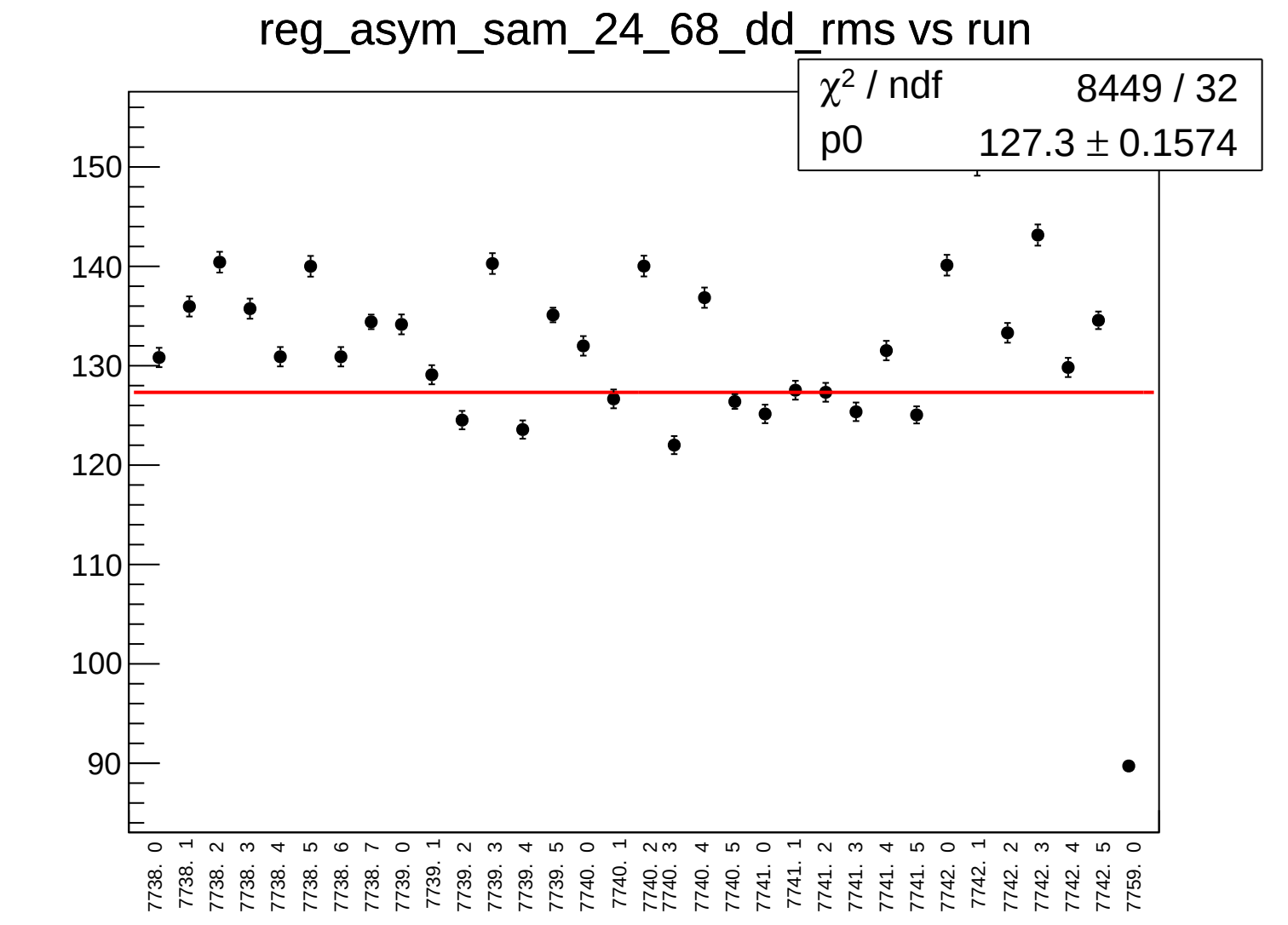

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.326e+04 / 32
p0 38.36 ± 0.04997
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

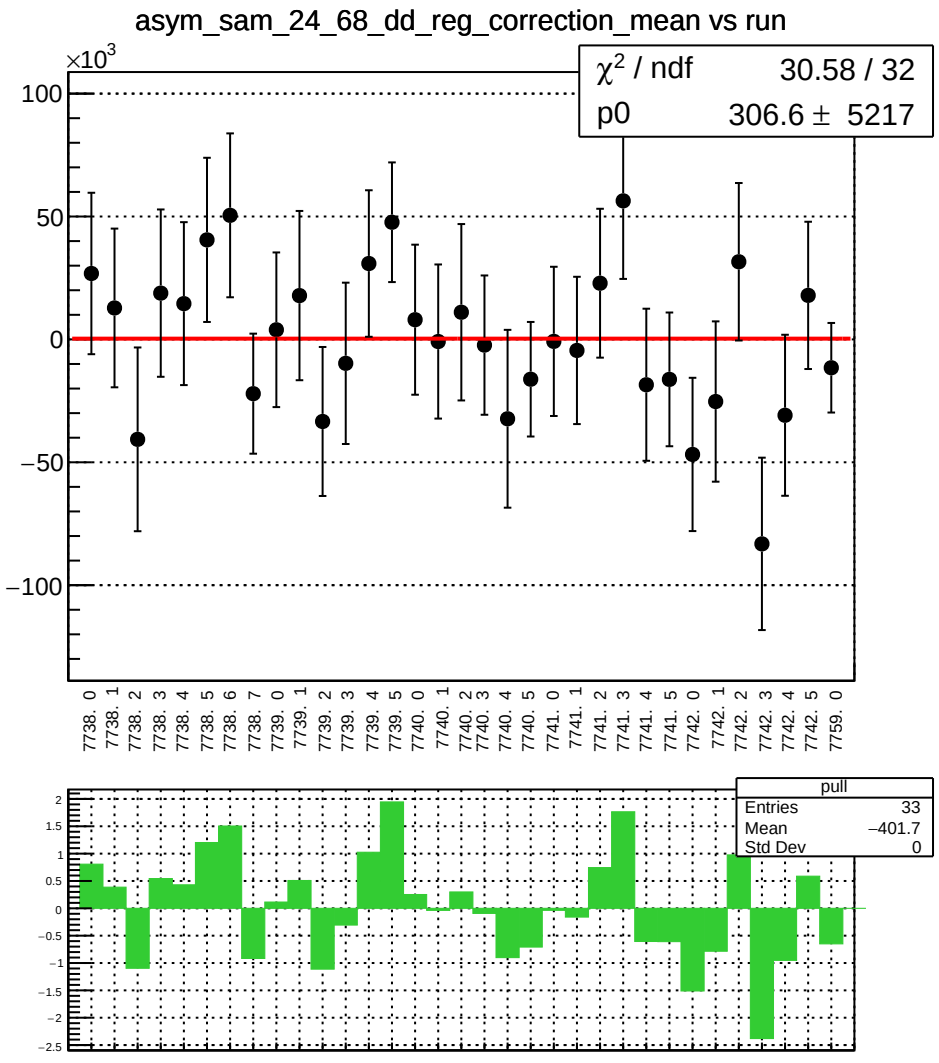

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.35 / 32
p0 1.573e−14 ± 1.65e−13
15
10
5
0
−5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.05381
Std Dev 1.105
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

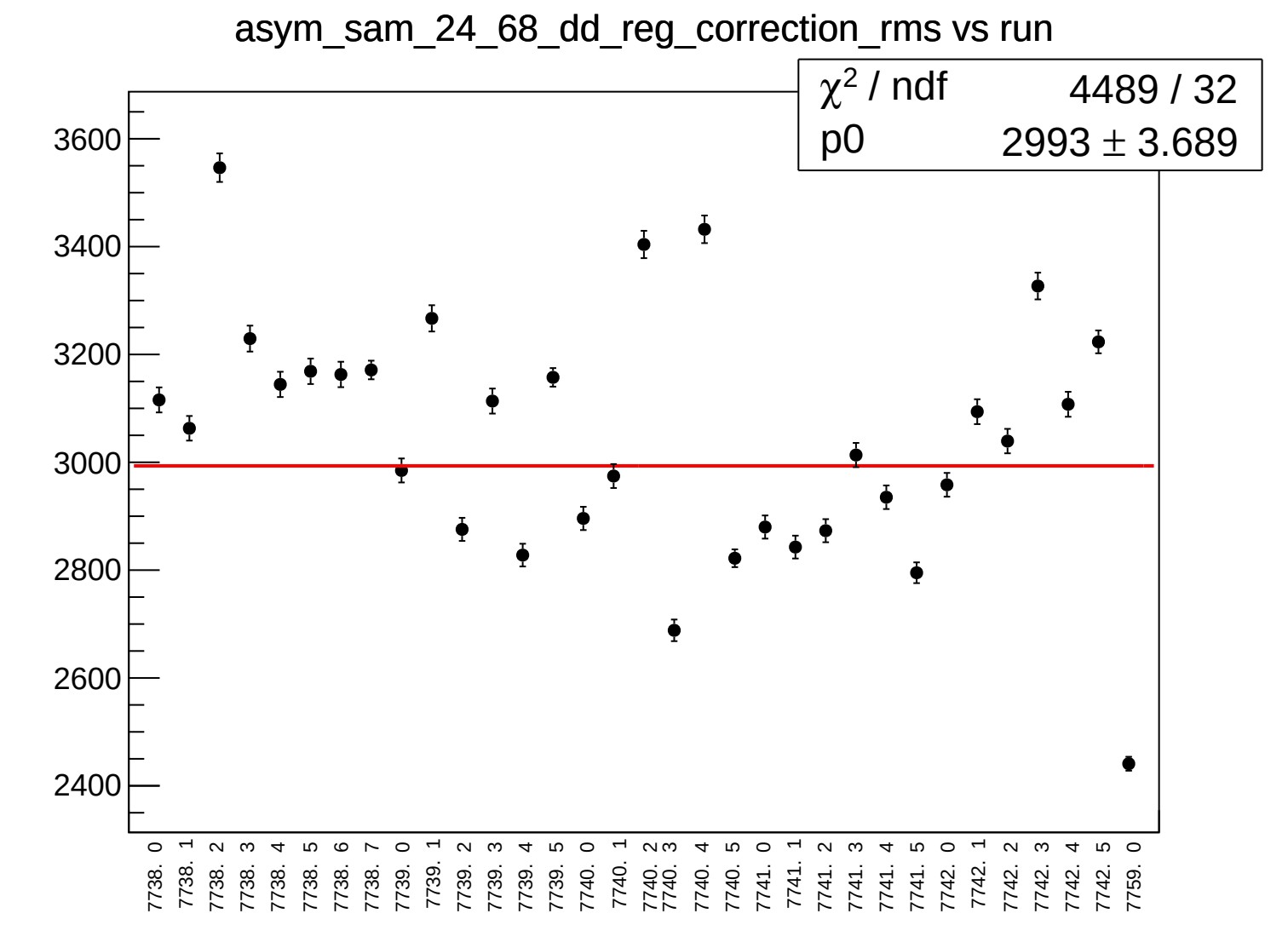

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.473e+05 / 32
p0 7.519e−11 ± 1.166e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

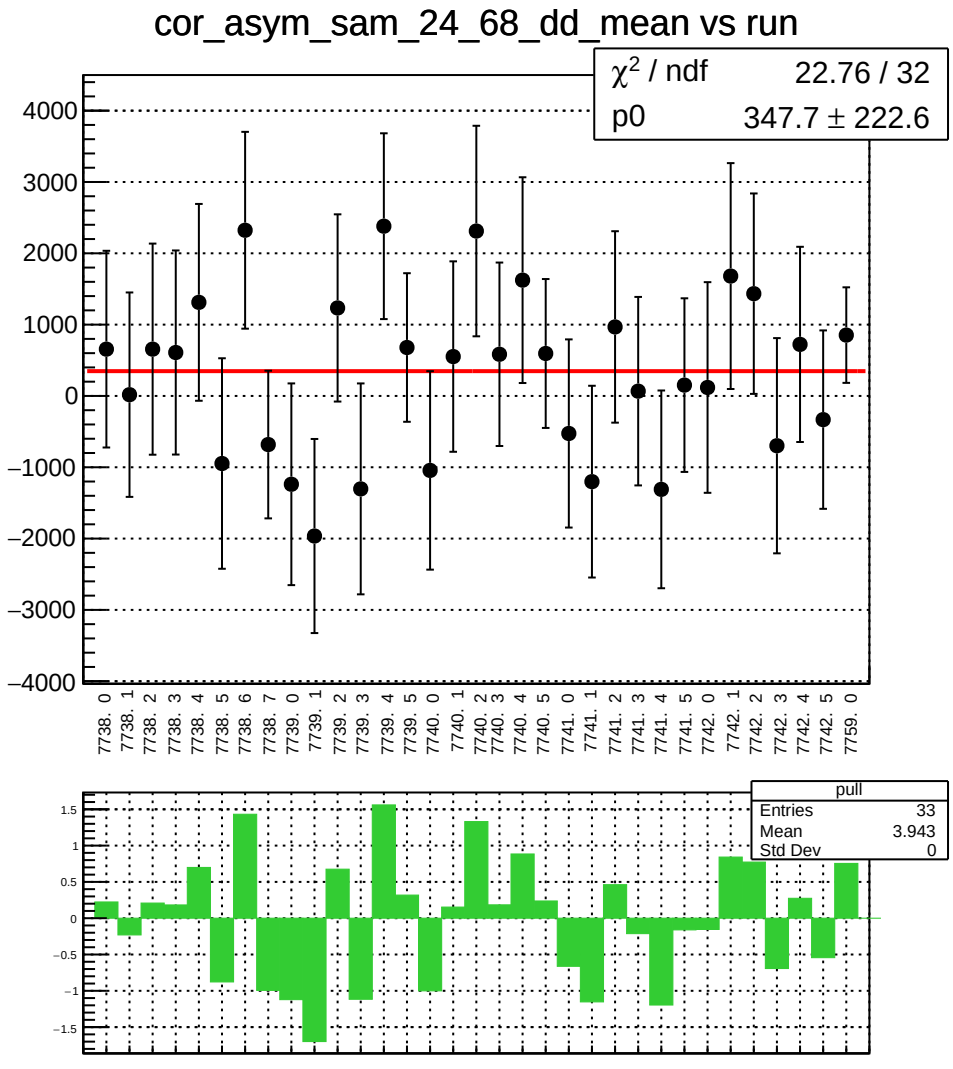

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 22.76 / 32
p0 347.7 ± 222.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.942
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

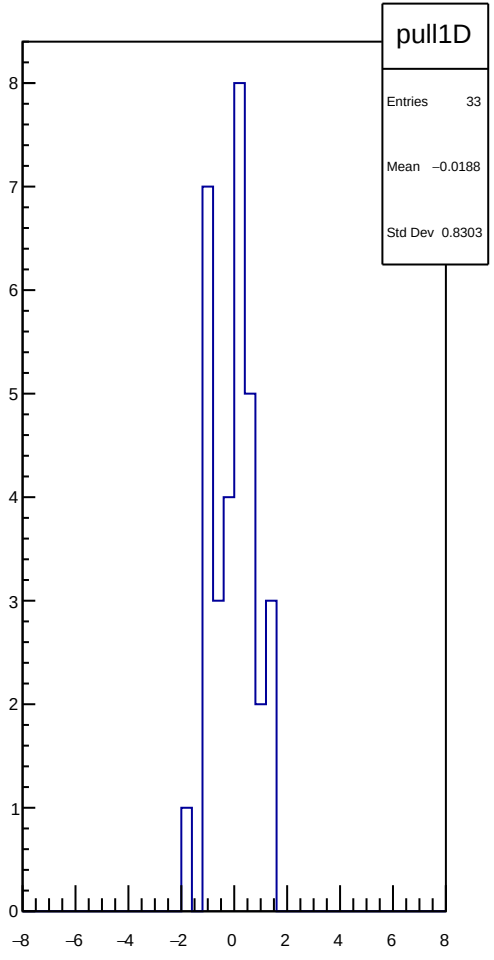

pull1D
Entries 33
Mean −0.0188
Std Dev 0.8303
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

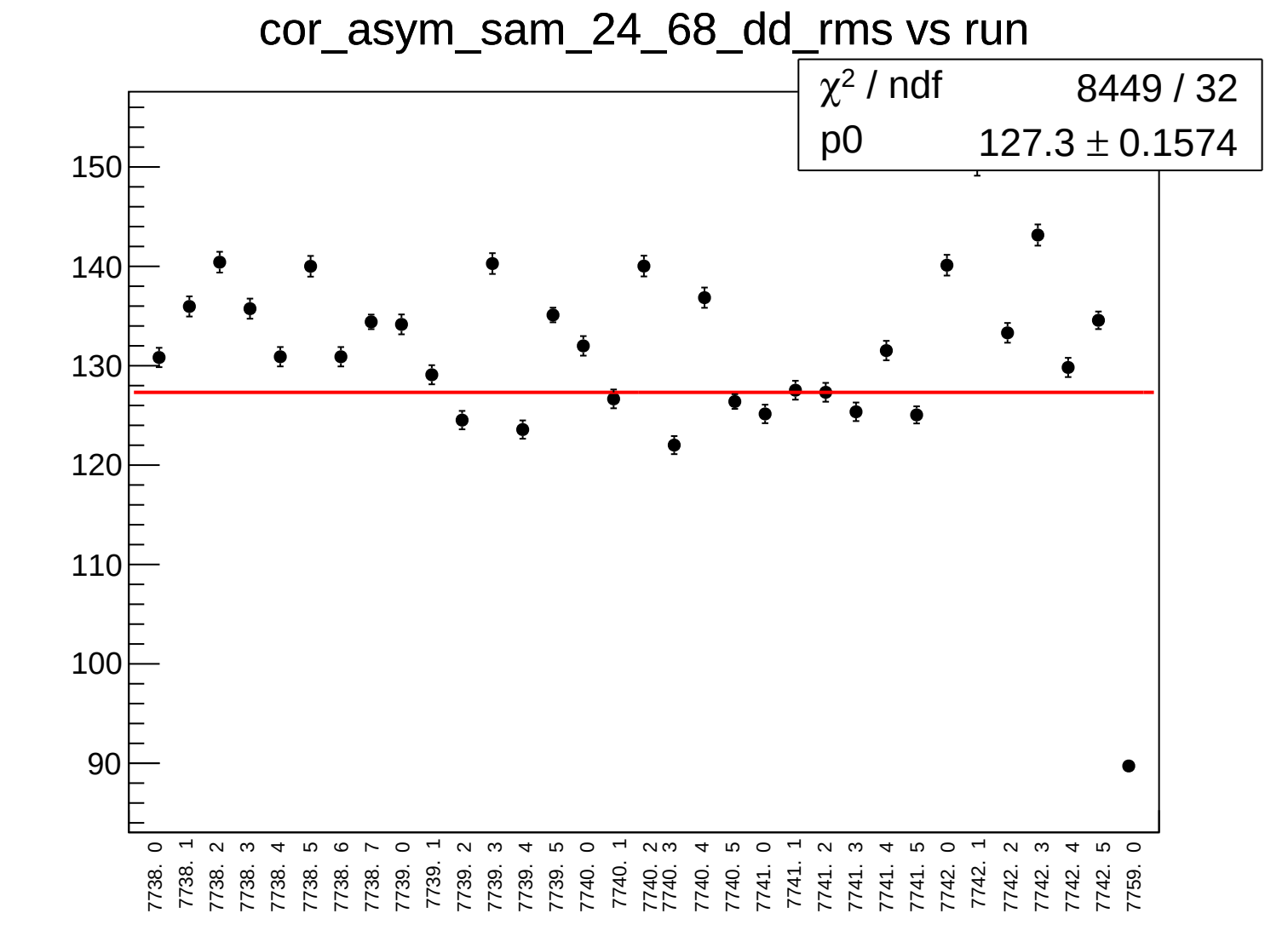

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 8449 / 32
p0 127.3 ± 0.1574
150
140
130
120
110
100
90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

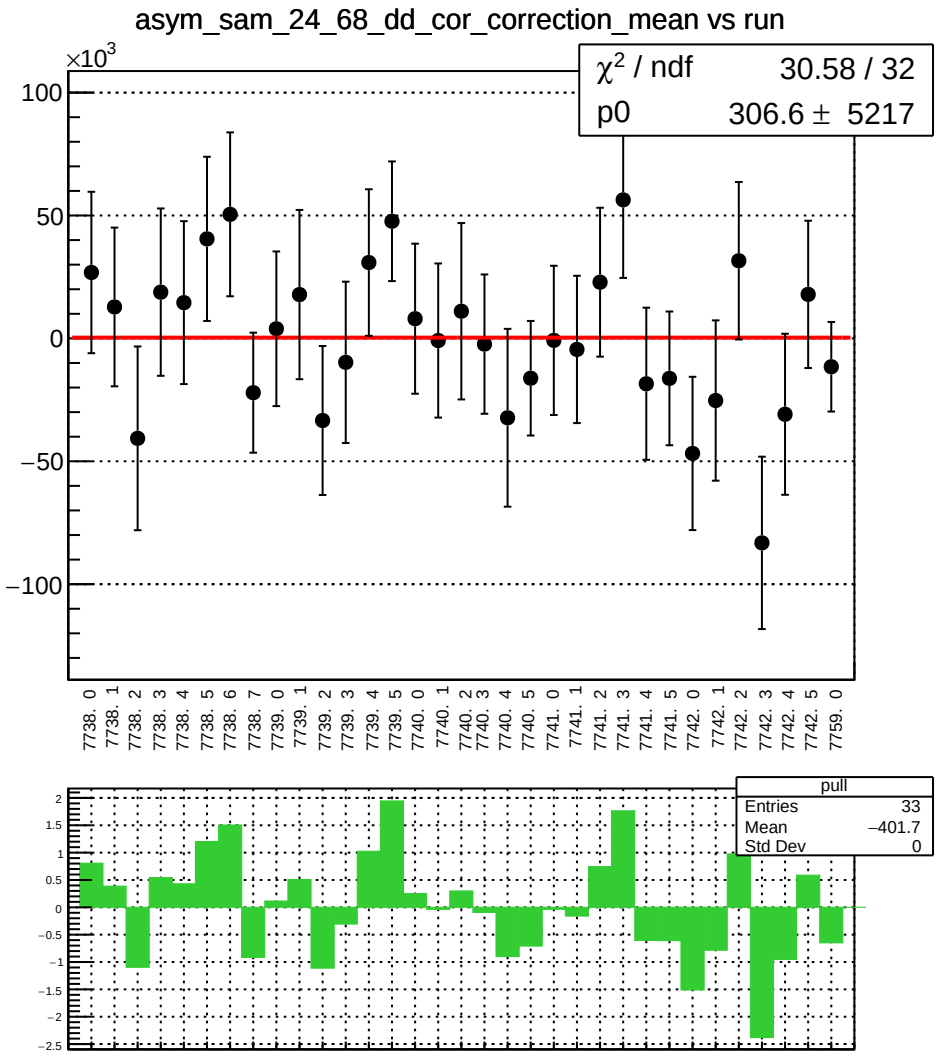

asym_sam_24_68_dd_reg_correction_mean vs run
×10^3
χ² / ndf 30.58 / 32
p0 306.6 ± 5217
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −401.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.007149
Std Dev 0.9626
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

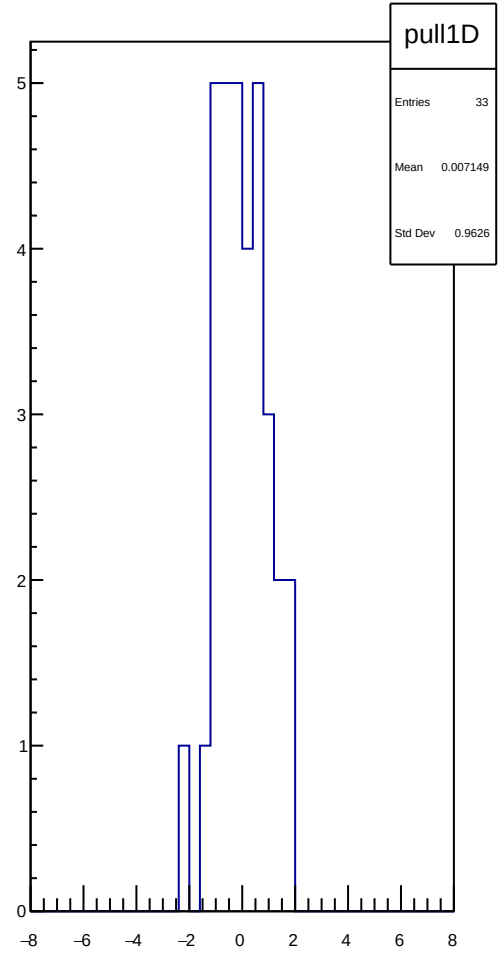

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 4489 / 32
p0 2993 ± 3.689
3600
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

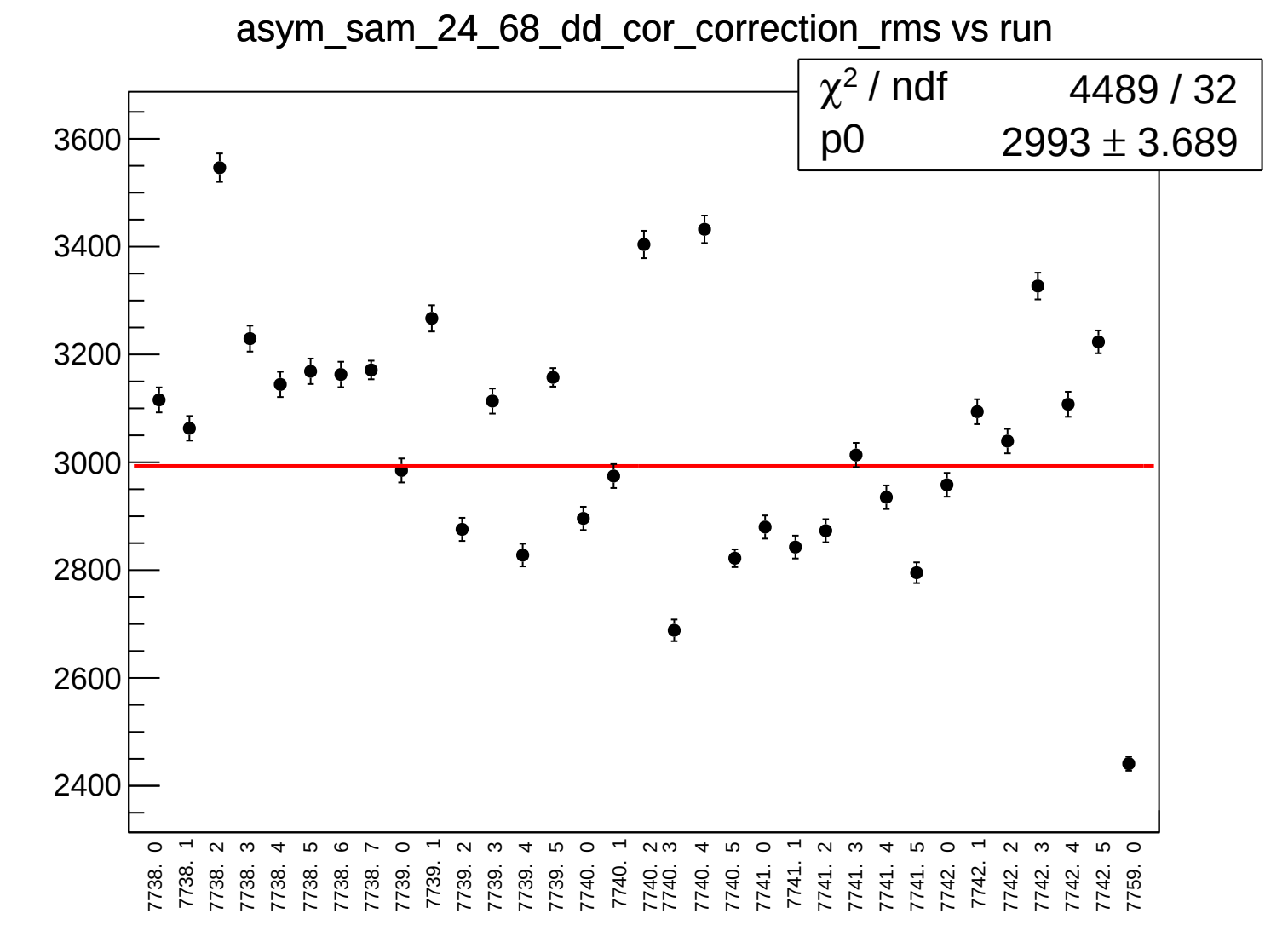

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 22.76 / 32
p0 347.7 ± 222.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.943
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

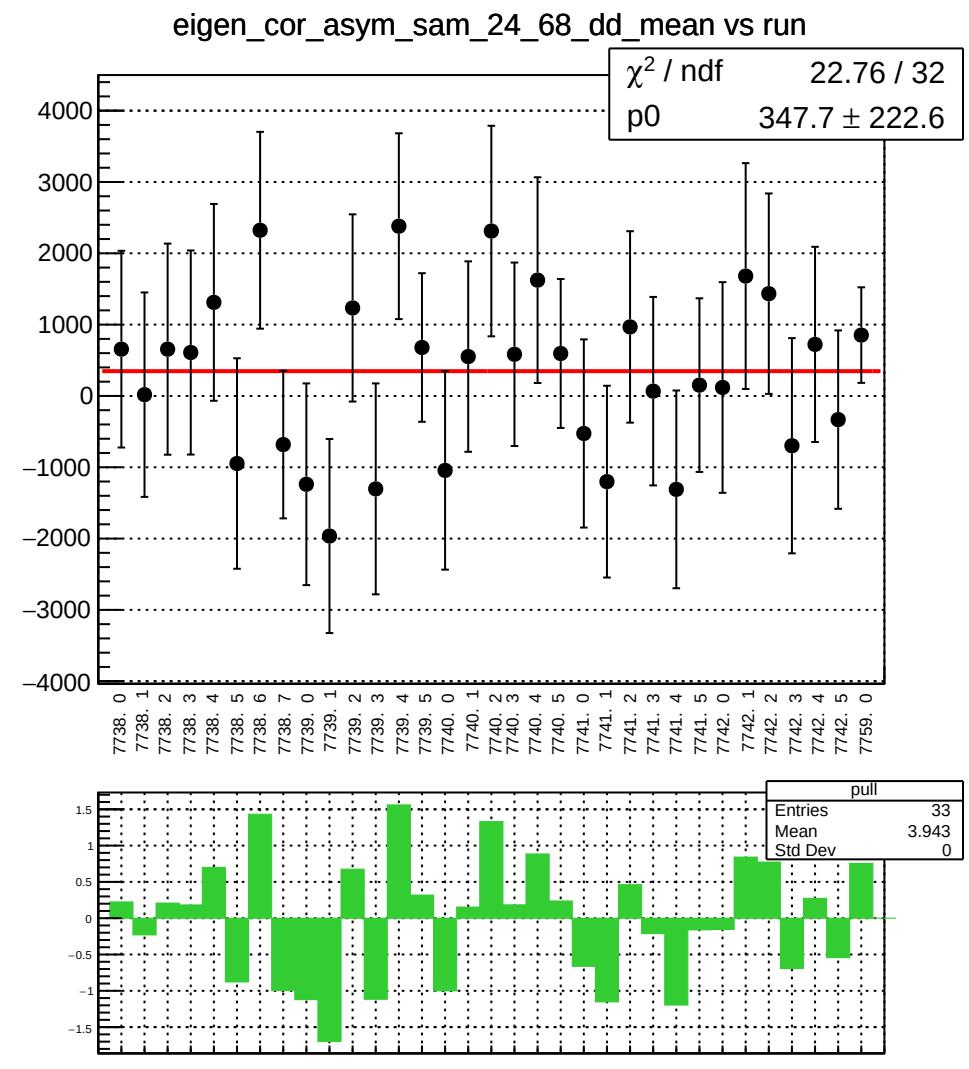

pull1D
Entries 33
Mean −0.0188
Std Dev 0.8303
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

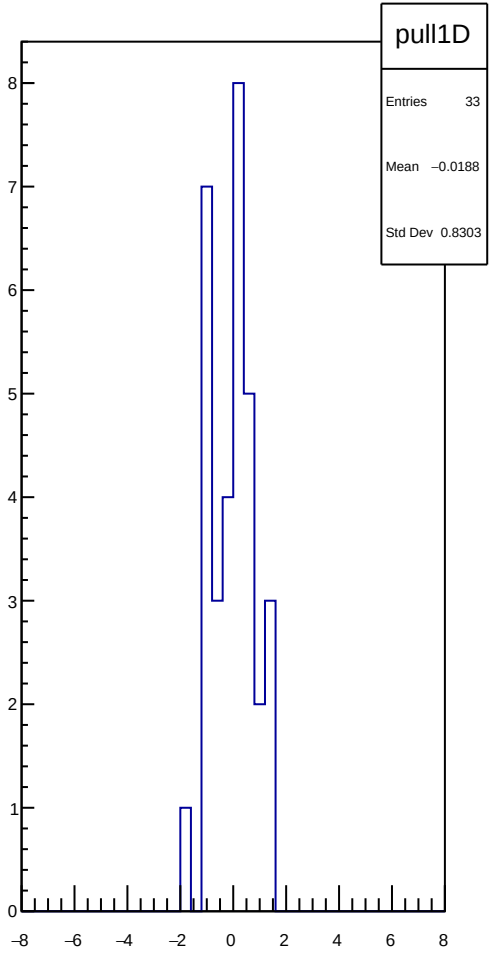

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 8449 / 32
p0 127.3 ± 0.1574
150
140
130
120
110
100
90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

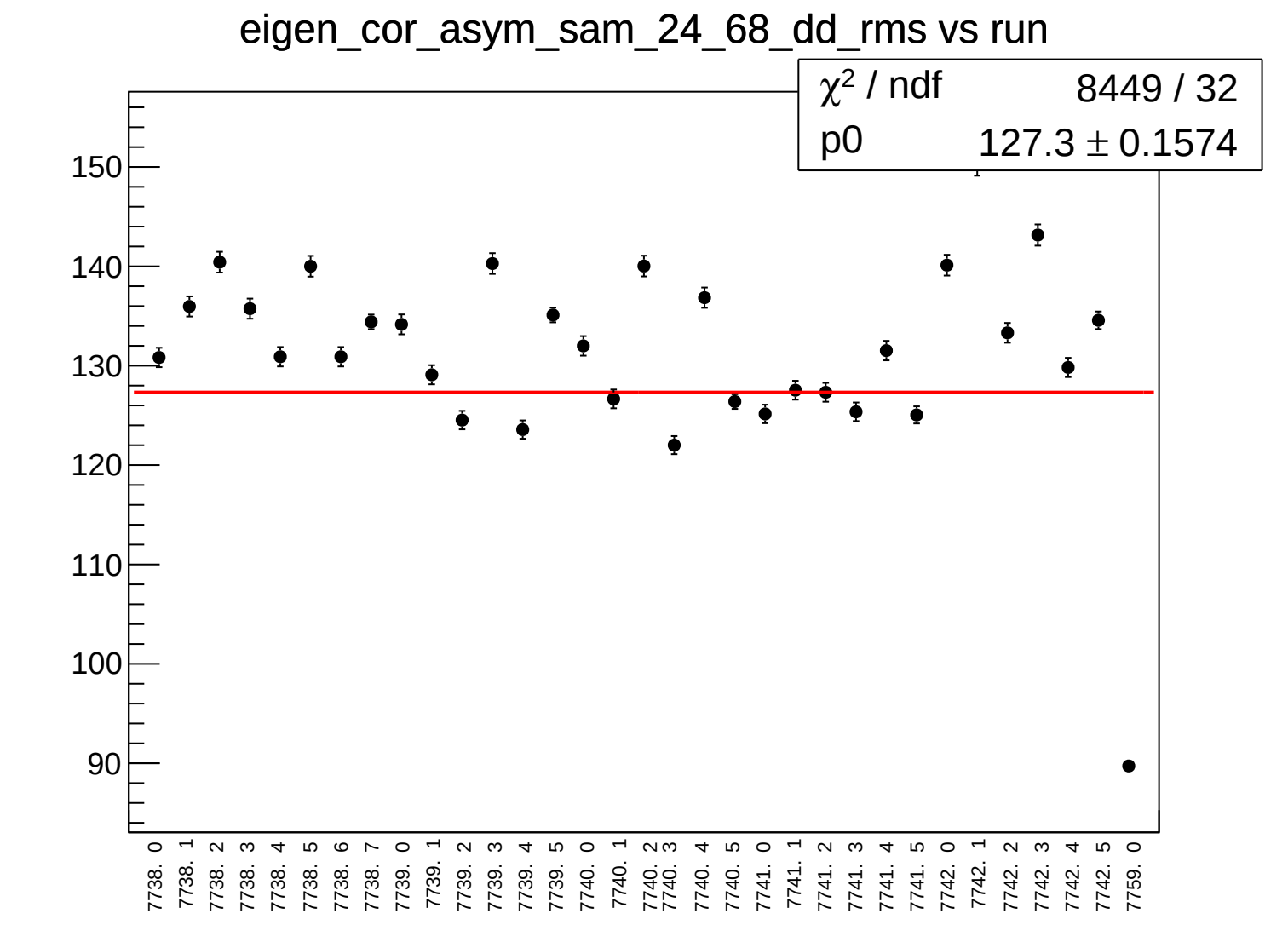

asym_sam_24_68_dd_cor_correction_mean vs run
×10^3
χ² / ndf 30.58 / 32
p0 306.6 ± 5217
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −401.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

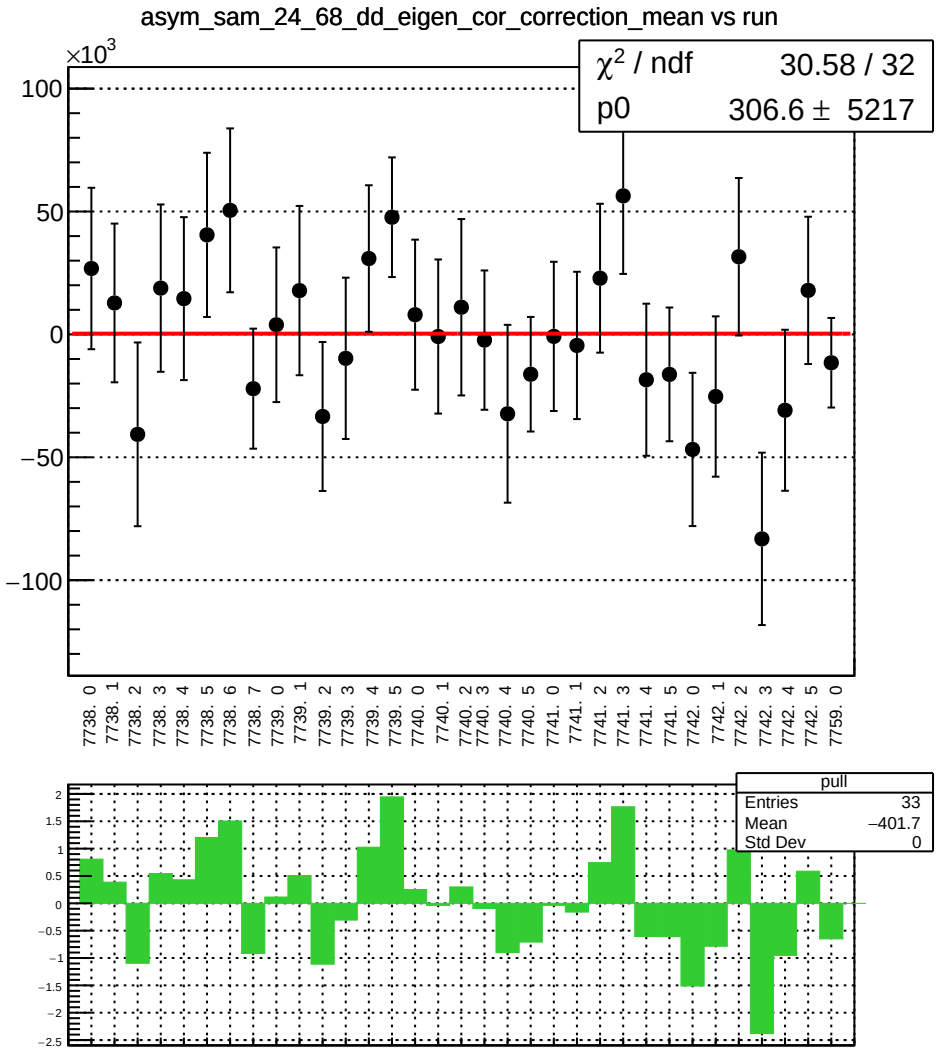

pull1D
Entries 33
Mean 0.007149
Std Dev 0.9626
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

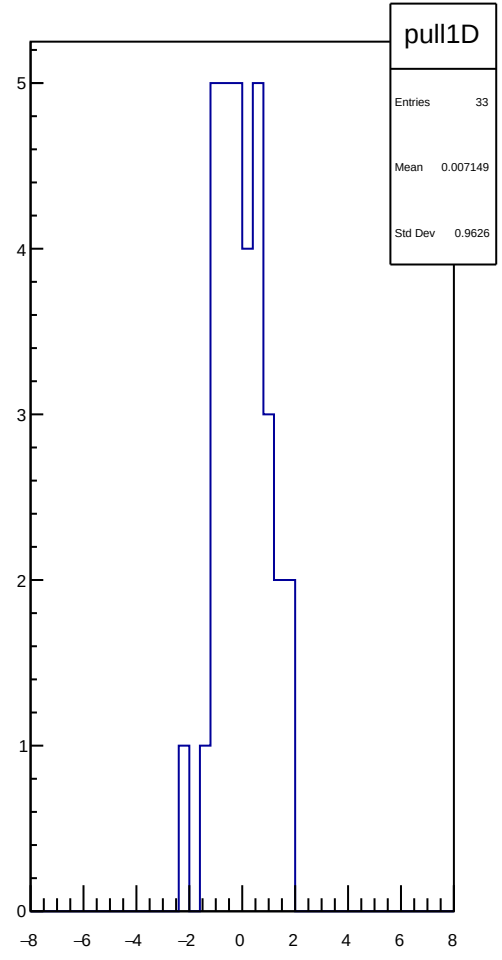

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 4489 / 32
p0 2993 ± 3.689
3600
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

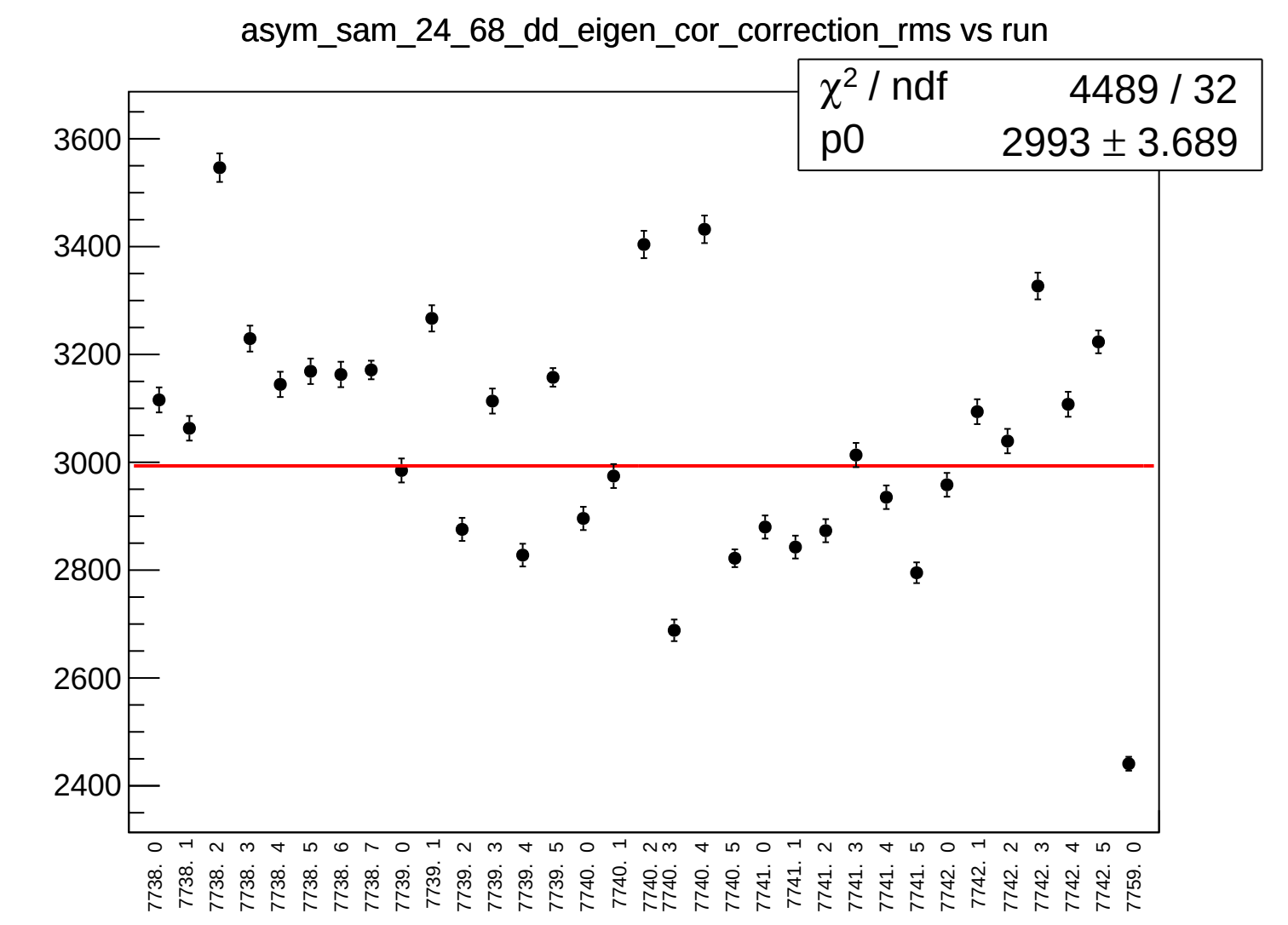

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 22.76 / 32
p0 347.7 ± 222.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.943
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

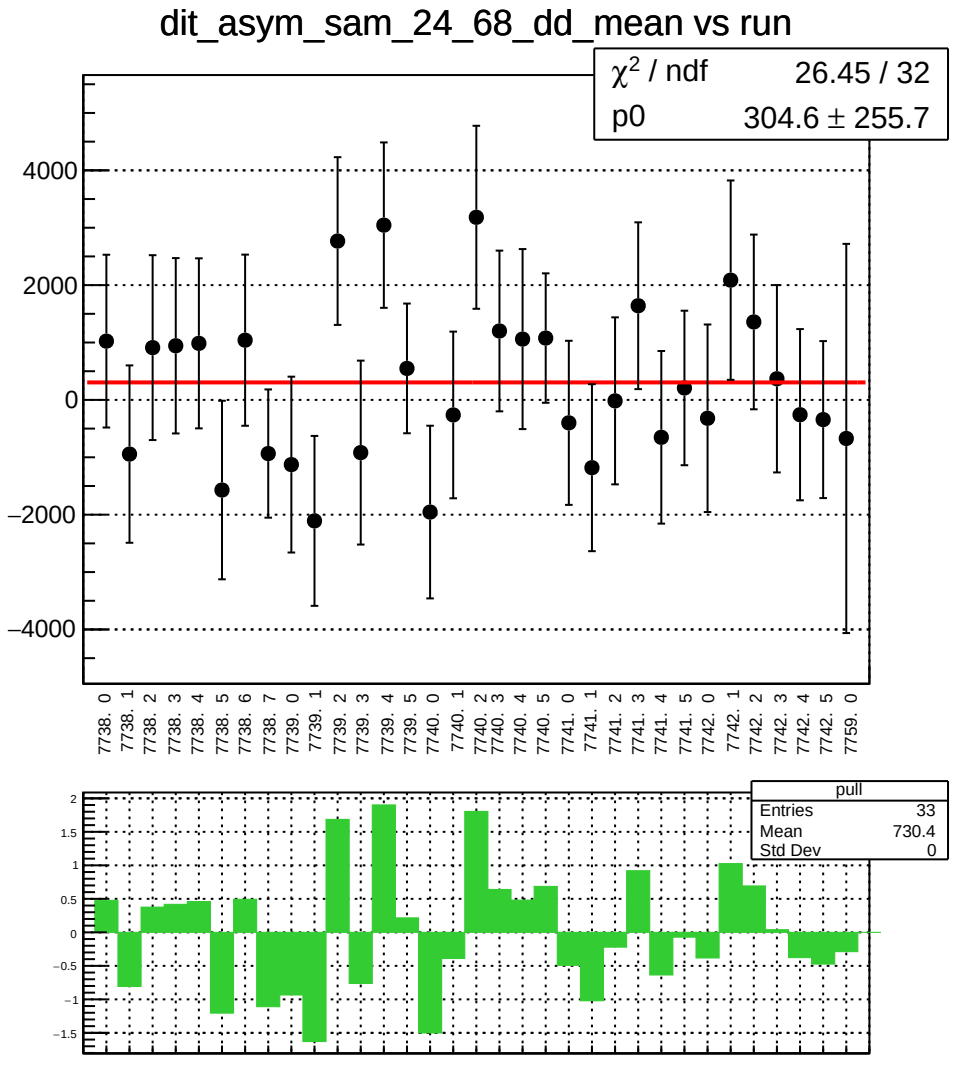

pull1D
Entries 33
Mean −0.0188
Std Dev 0.8303
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

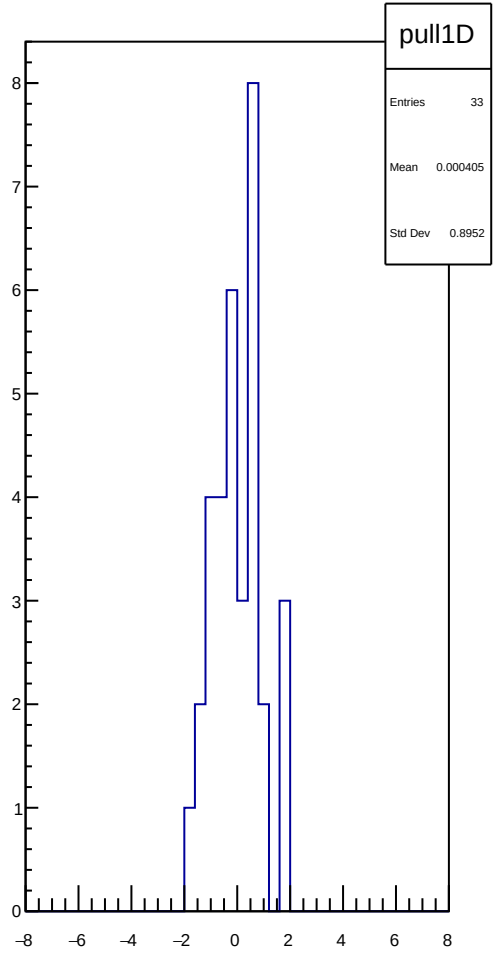

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 8449 / 32
p0 127.3 ± 0.1574
150
140
130
120
110
100
90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

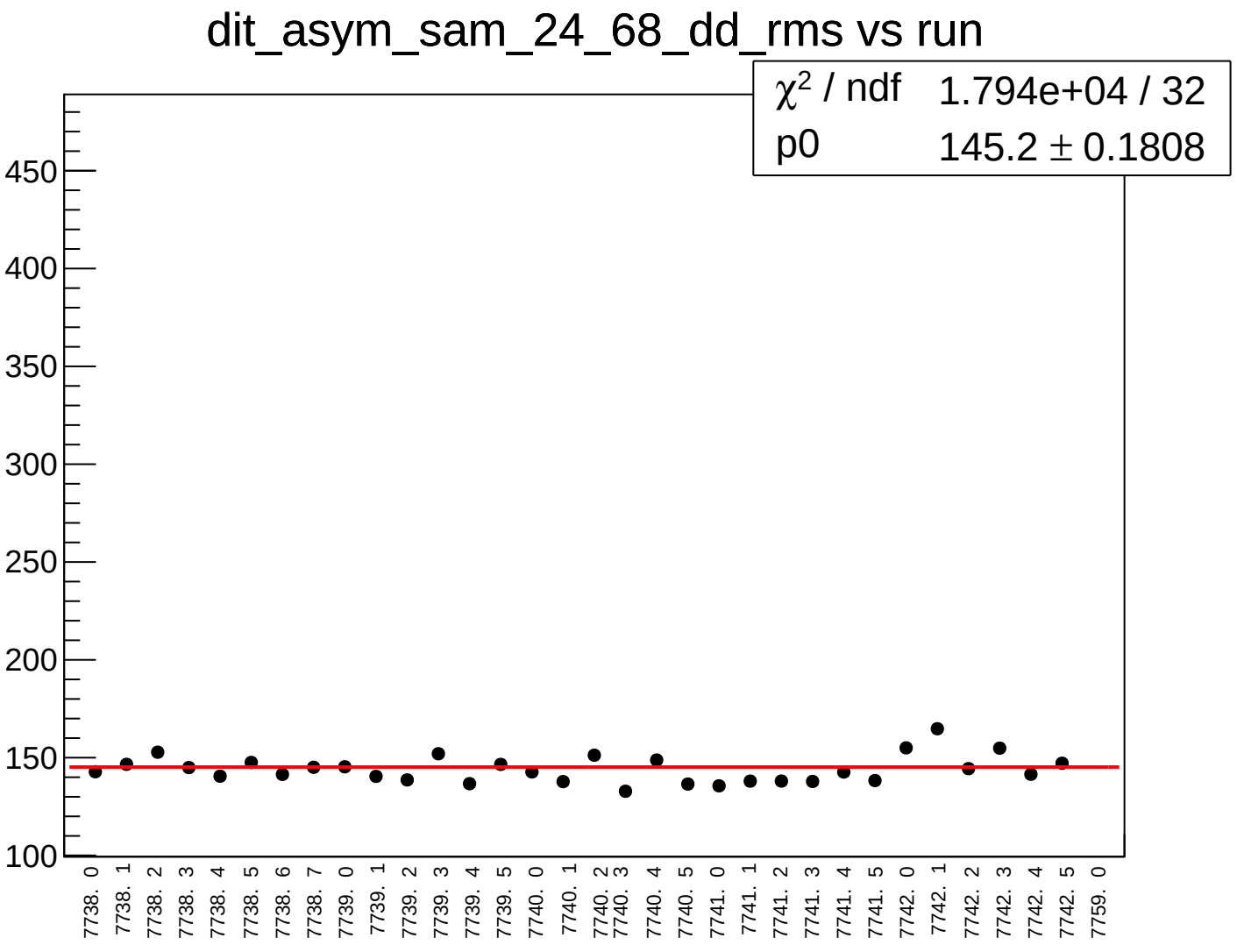

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.58 / 32
p0 306.6 ± 5217
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −401.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

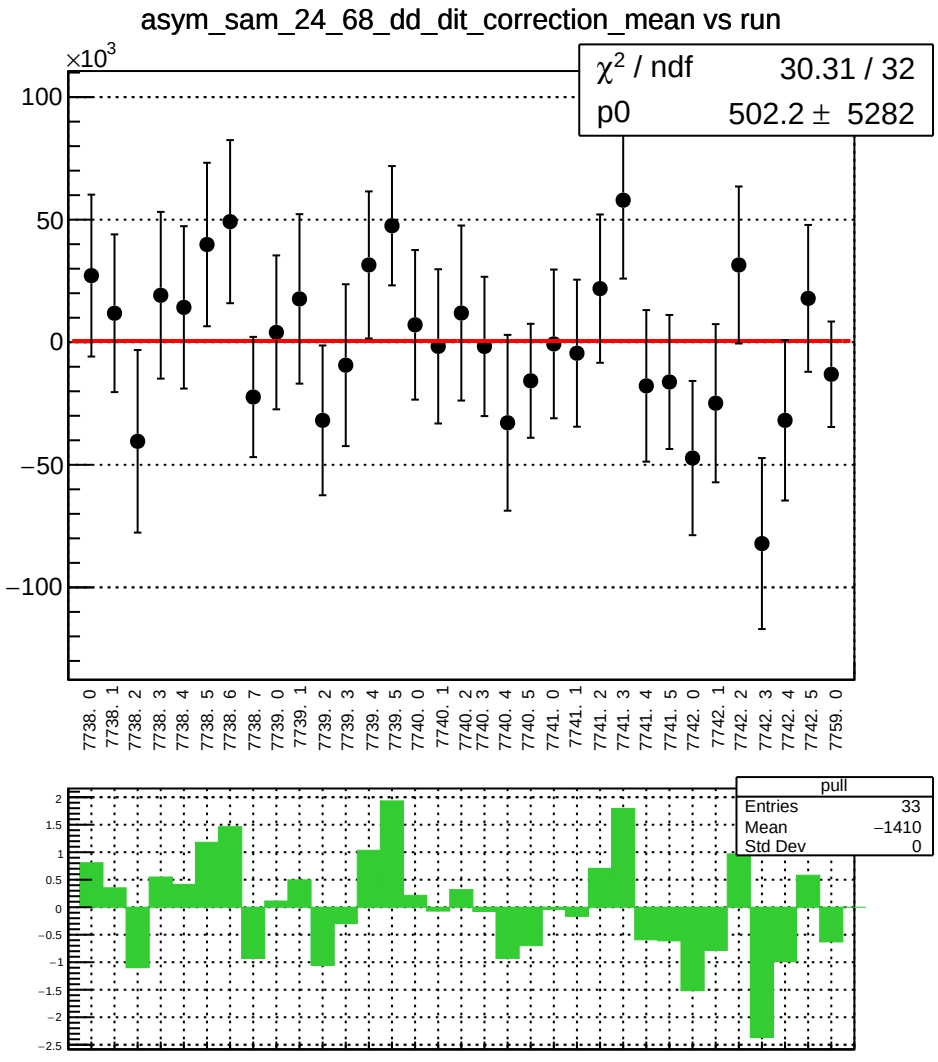

pull1D
Entries 33
Mean 0.007149
Std Dev 0.9626
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

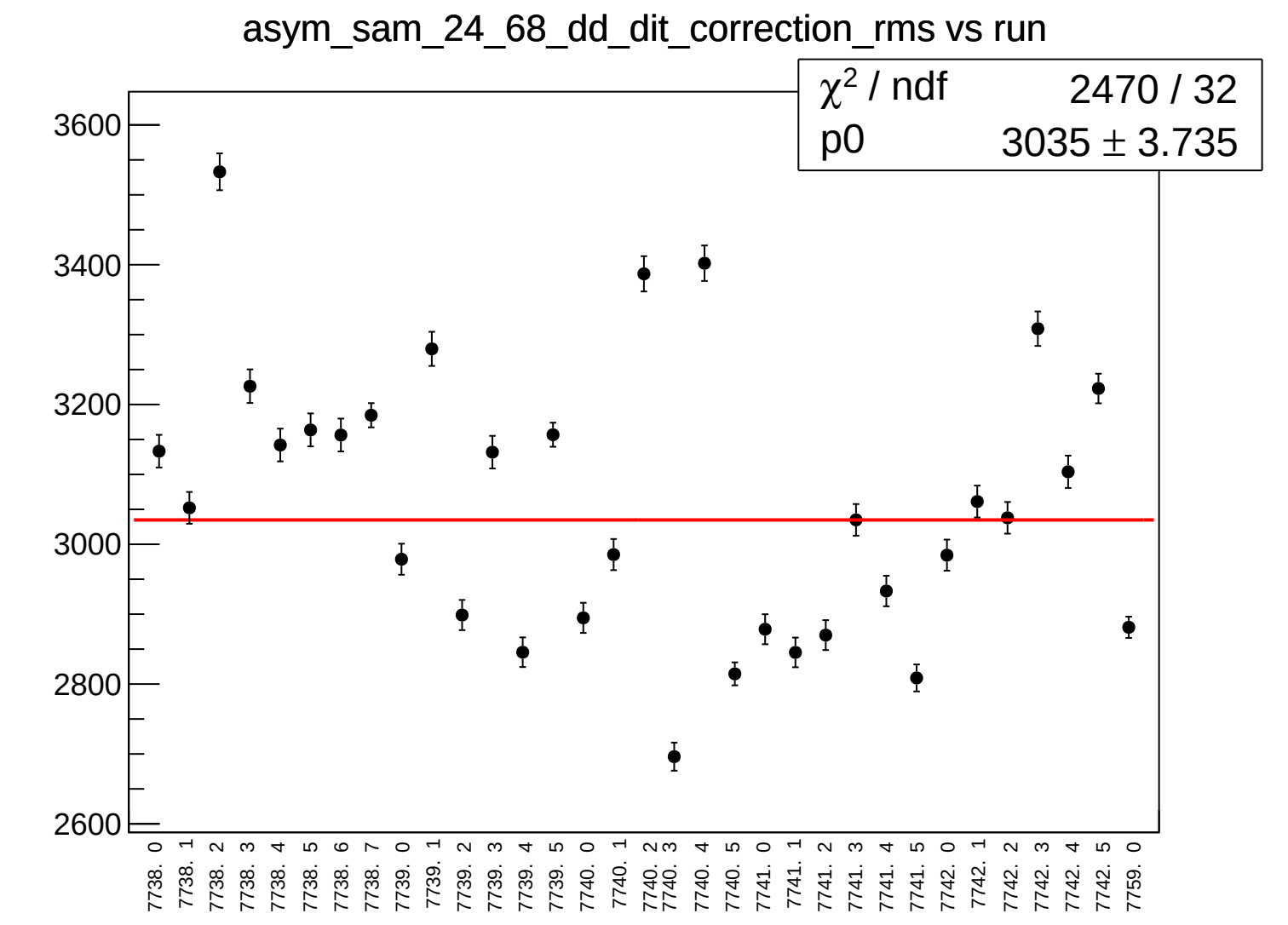

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 4489 / 32
p0 2993 ± 3.689
3600
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

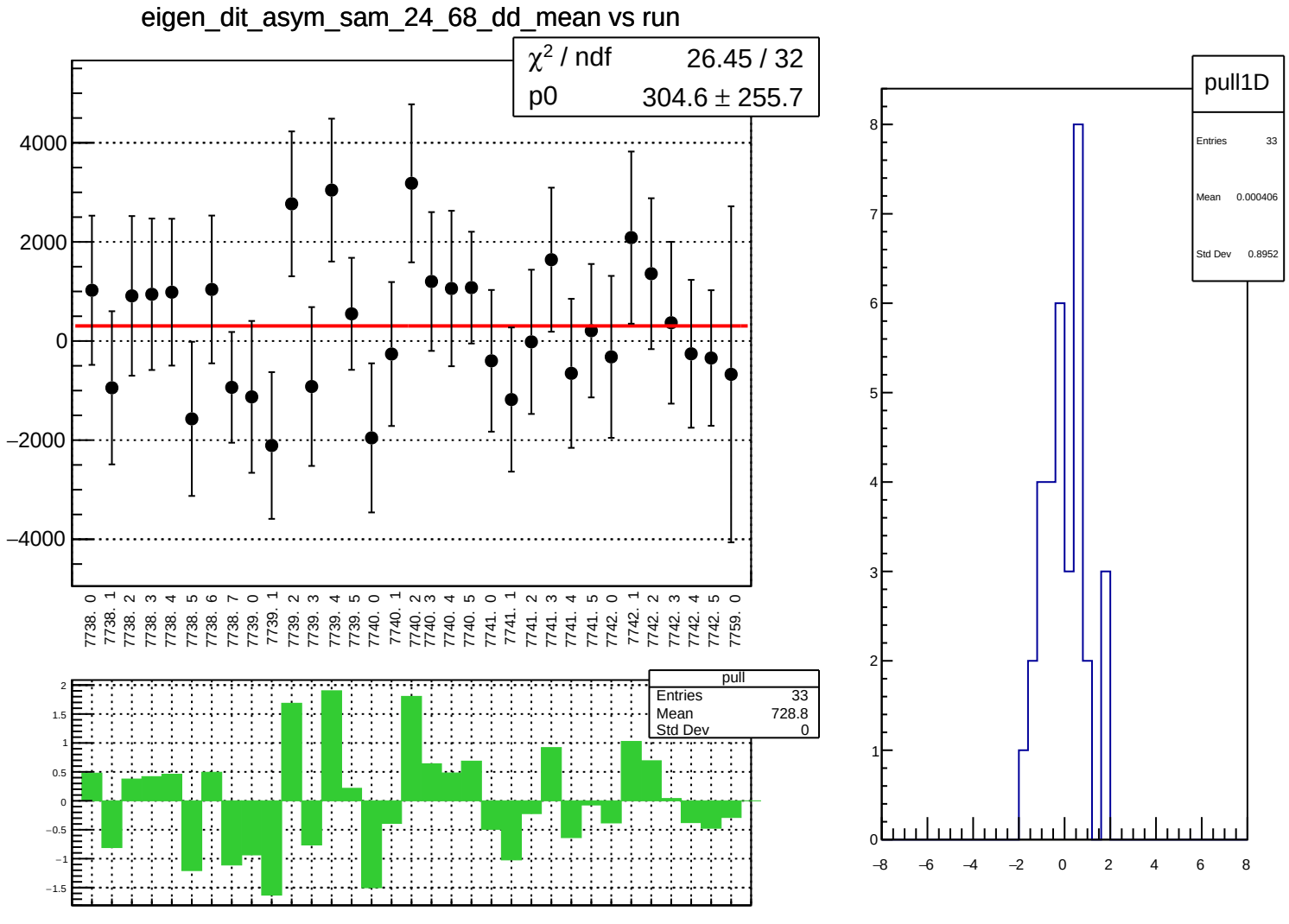

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 26.45 / 32
p0 304.6 ± 255.7
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 730.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 33
Mean 0.000405
Std Dev 0.8952
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.794e+04 / 32
p0 145.2 ± 0.1808
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_24_68_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 30.31 / 32
p0 502.2 ± 5282
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1410
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.002075
Std Dev 0.9584
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 2470 / 32
p0 3035 ± 3.735
3600
3400
3200
3000
2800
2600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0


eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 26.45 / 32
p0 304.6 ± 255.7
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 728.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.000406
Std Dev 0.8952
8
7
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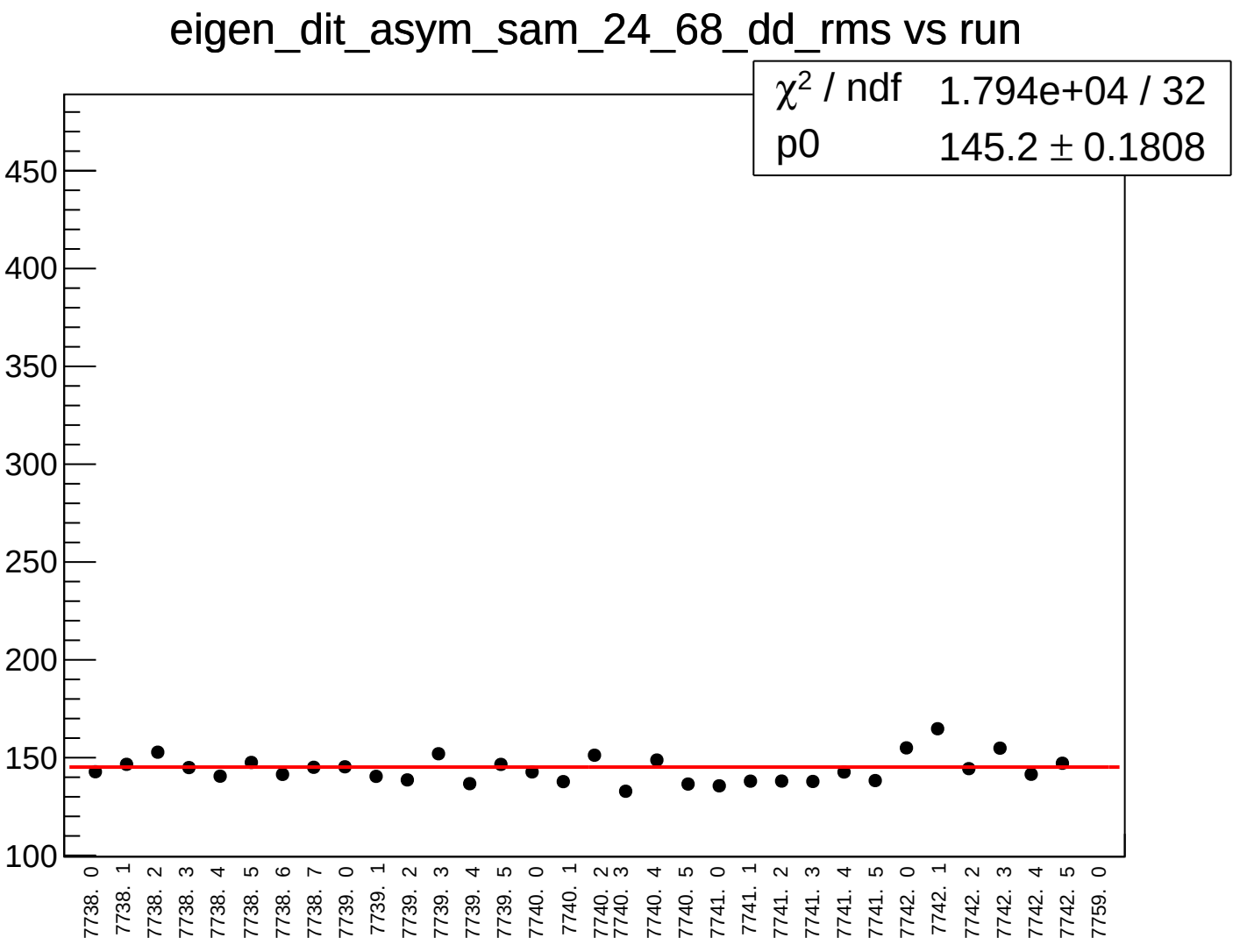
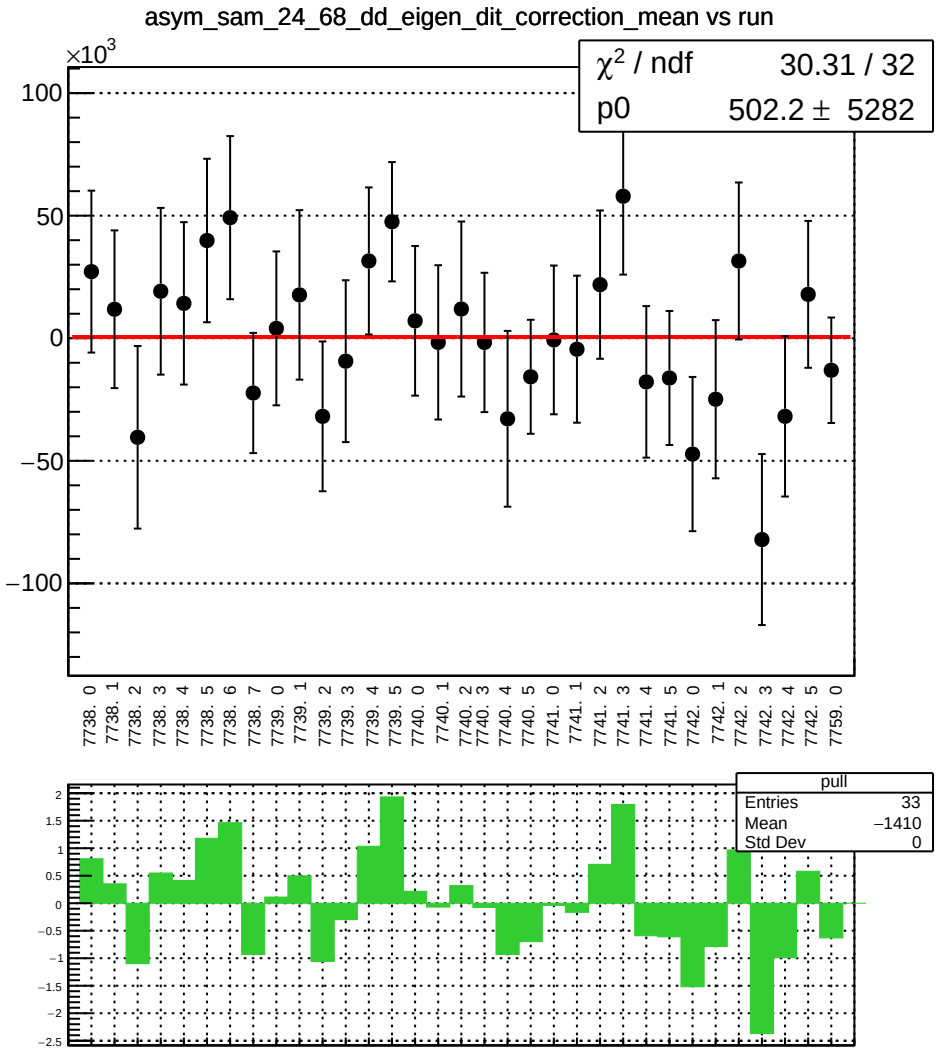
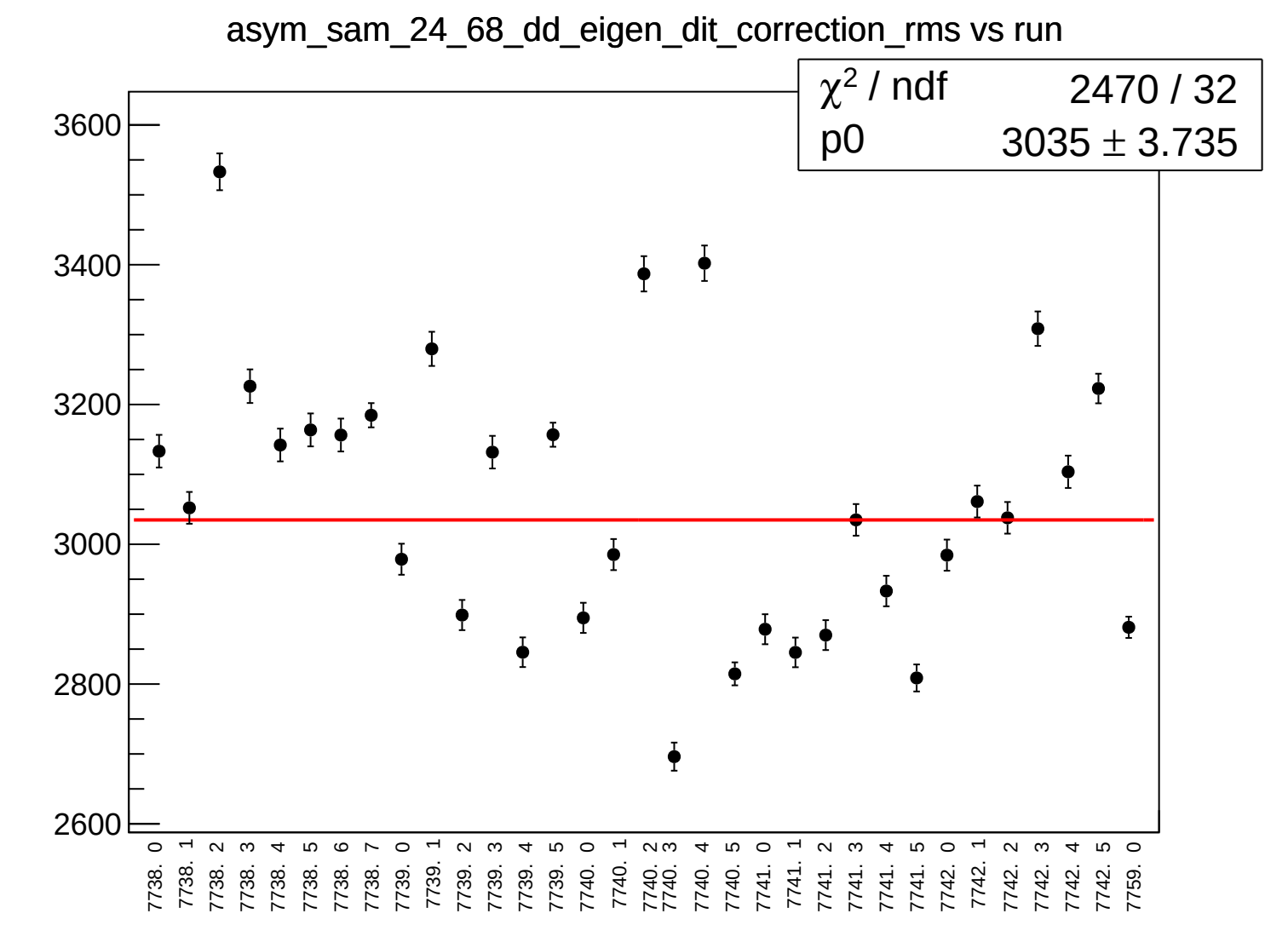
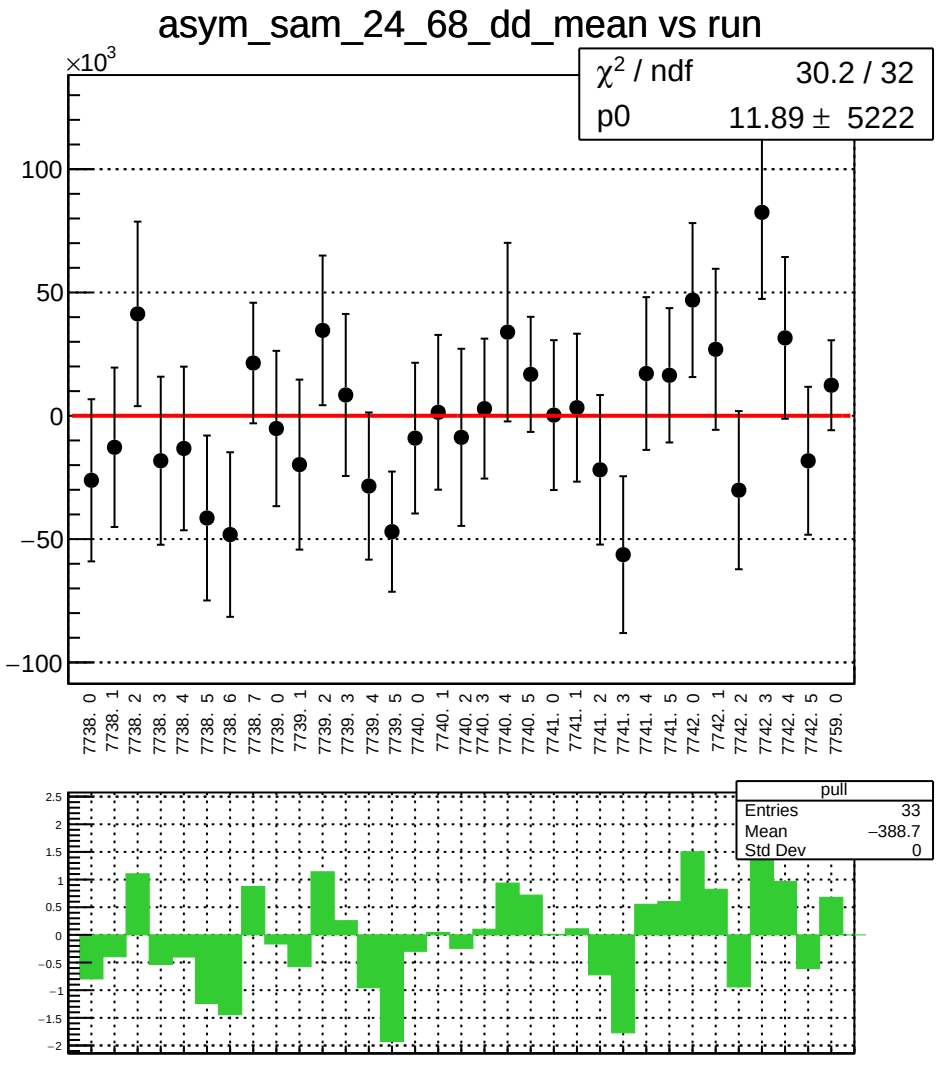
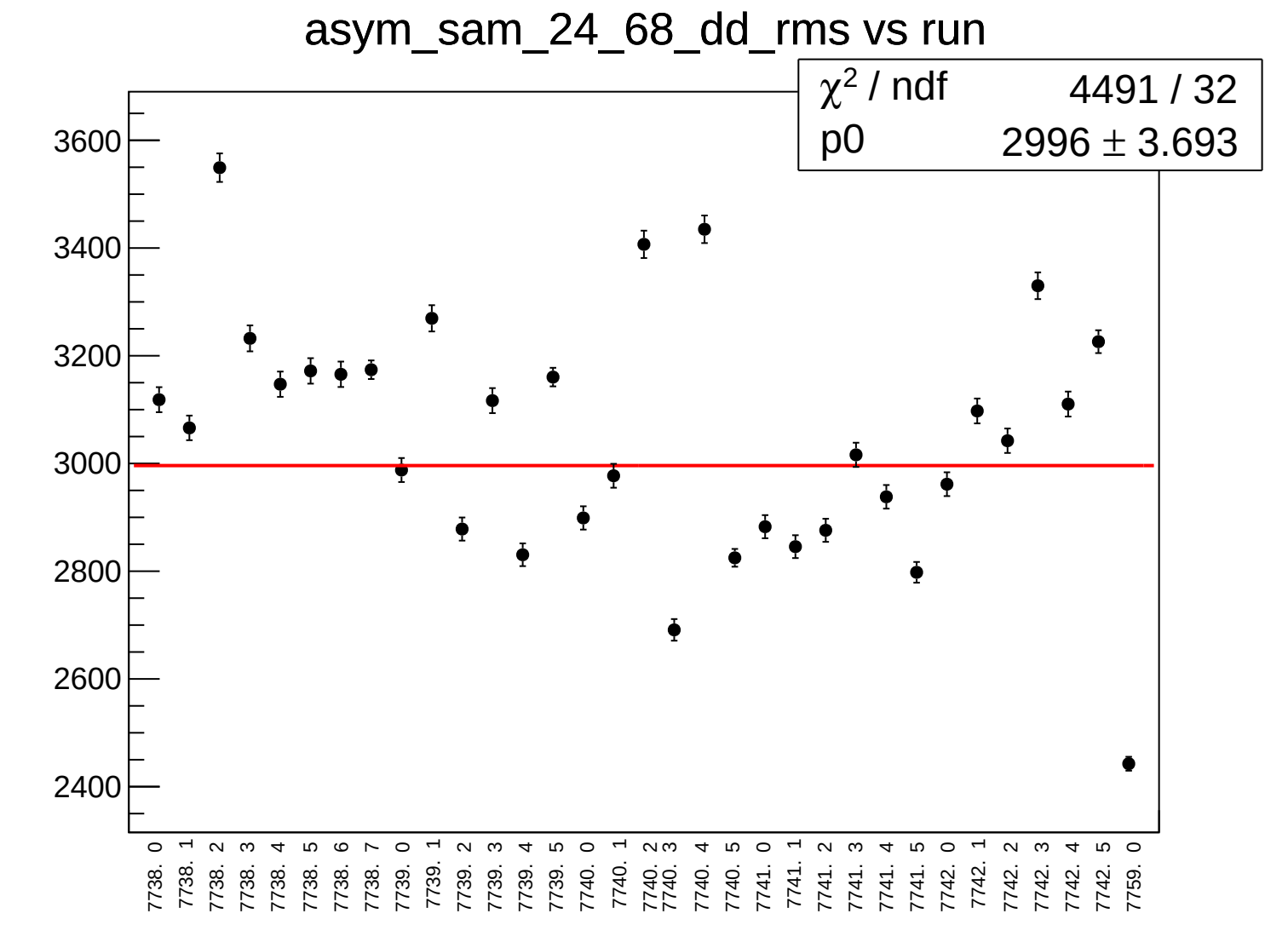
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

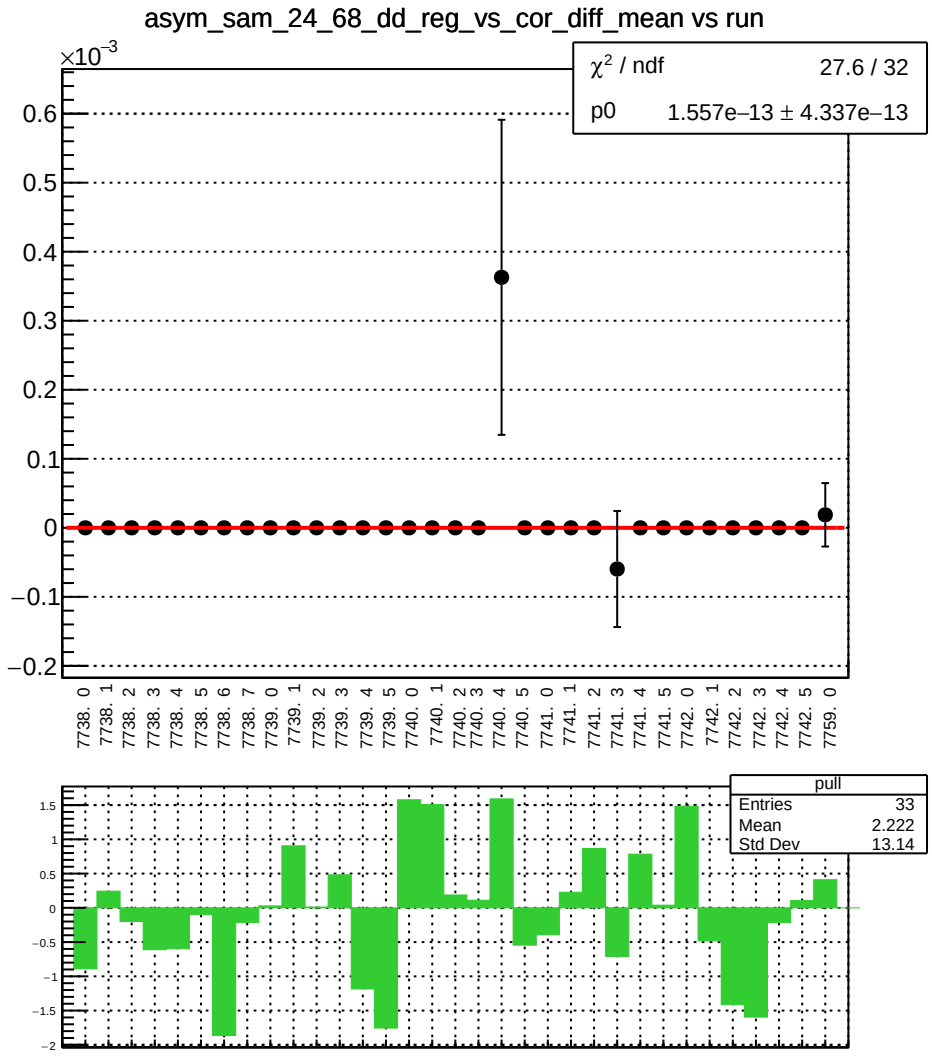

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.794e+04 / 32
p0 145.2 ± 0.1808
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

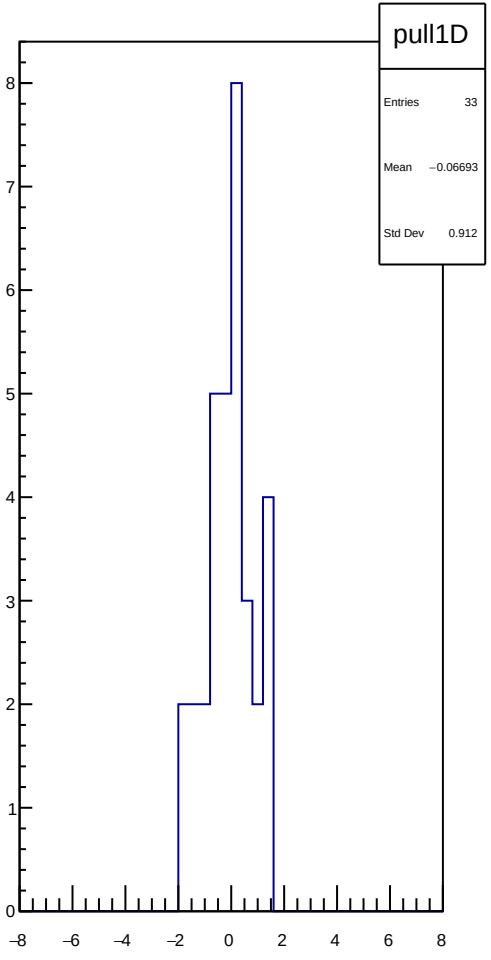

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.31 / 32
p0 502.2 ± 5282
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1410
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.002075
Std Dev 0.9584
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

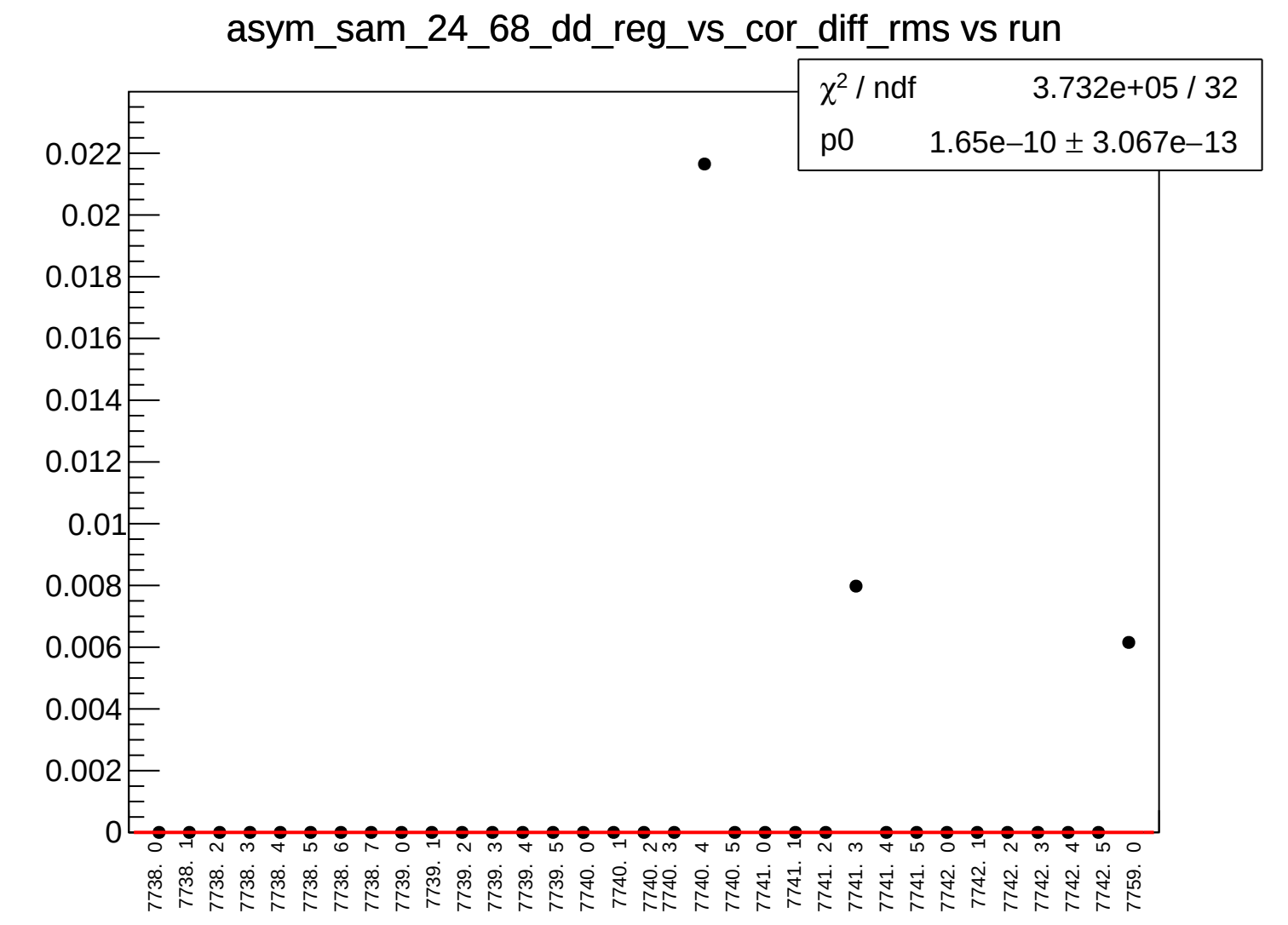

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 2470 / 32
p0 3035 ± 3.735
3600
3400
3200
3000
2800
2600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

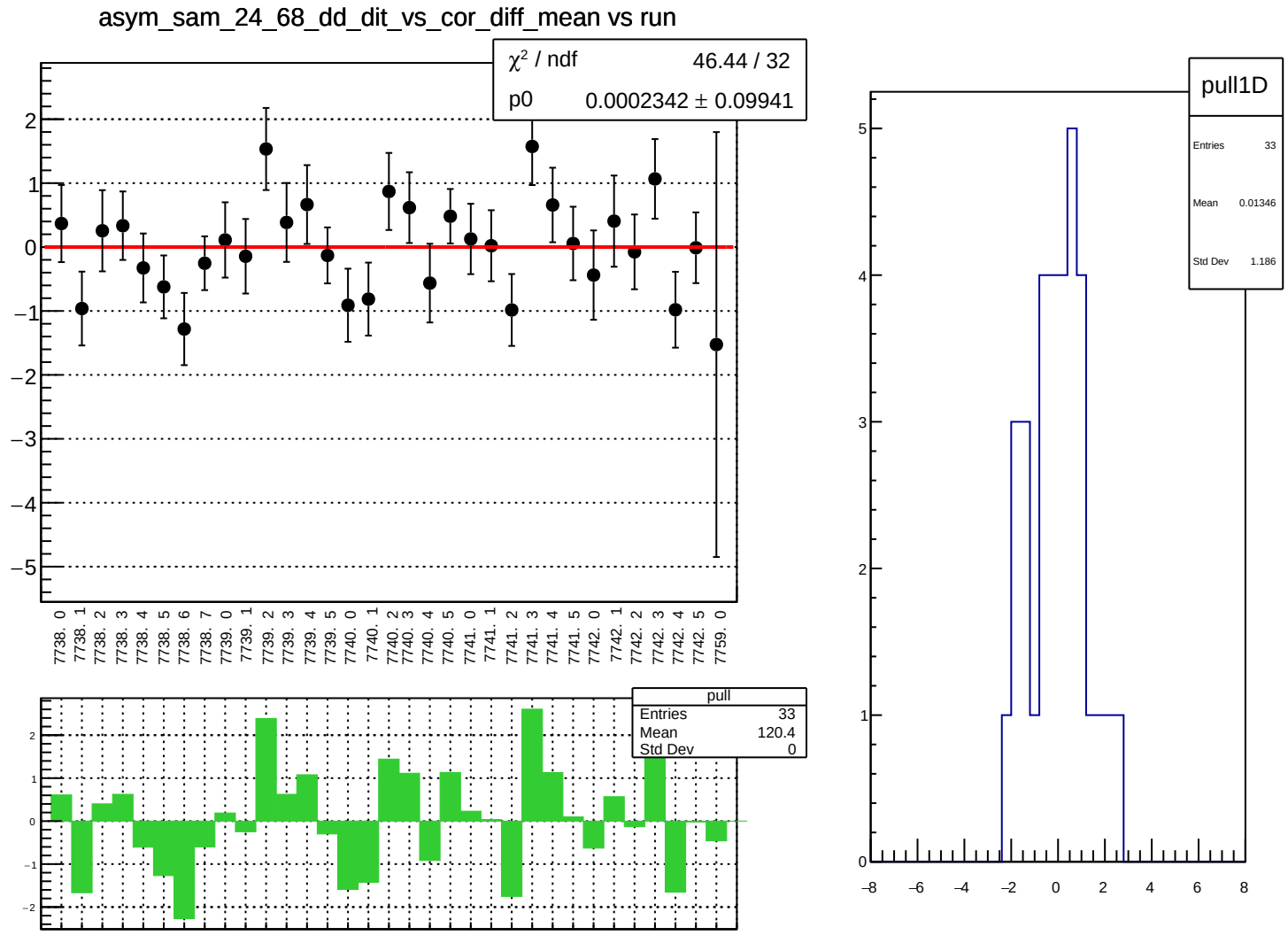

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 30.2 / 32
p0 11.89 ± 5222
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −388.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.007399
Std Dev 0.9566
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

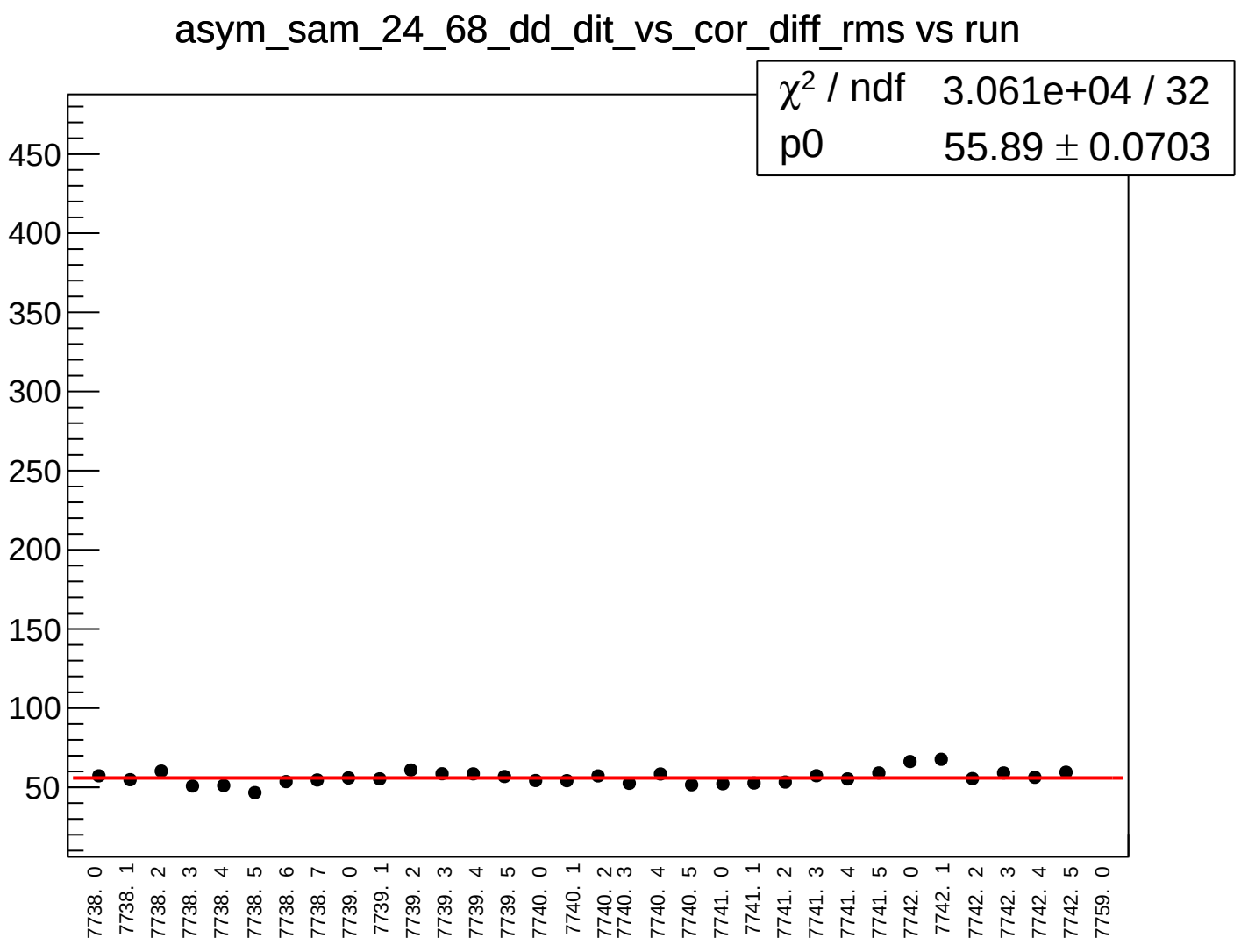

asym_sam_24_68_dd_rms vs run
χ² / ndf 4491 / 32
p0 2996 ± 3.693
3600
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

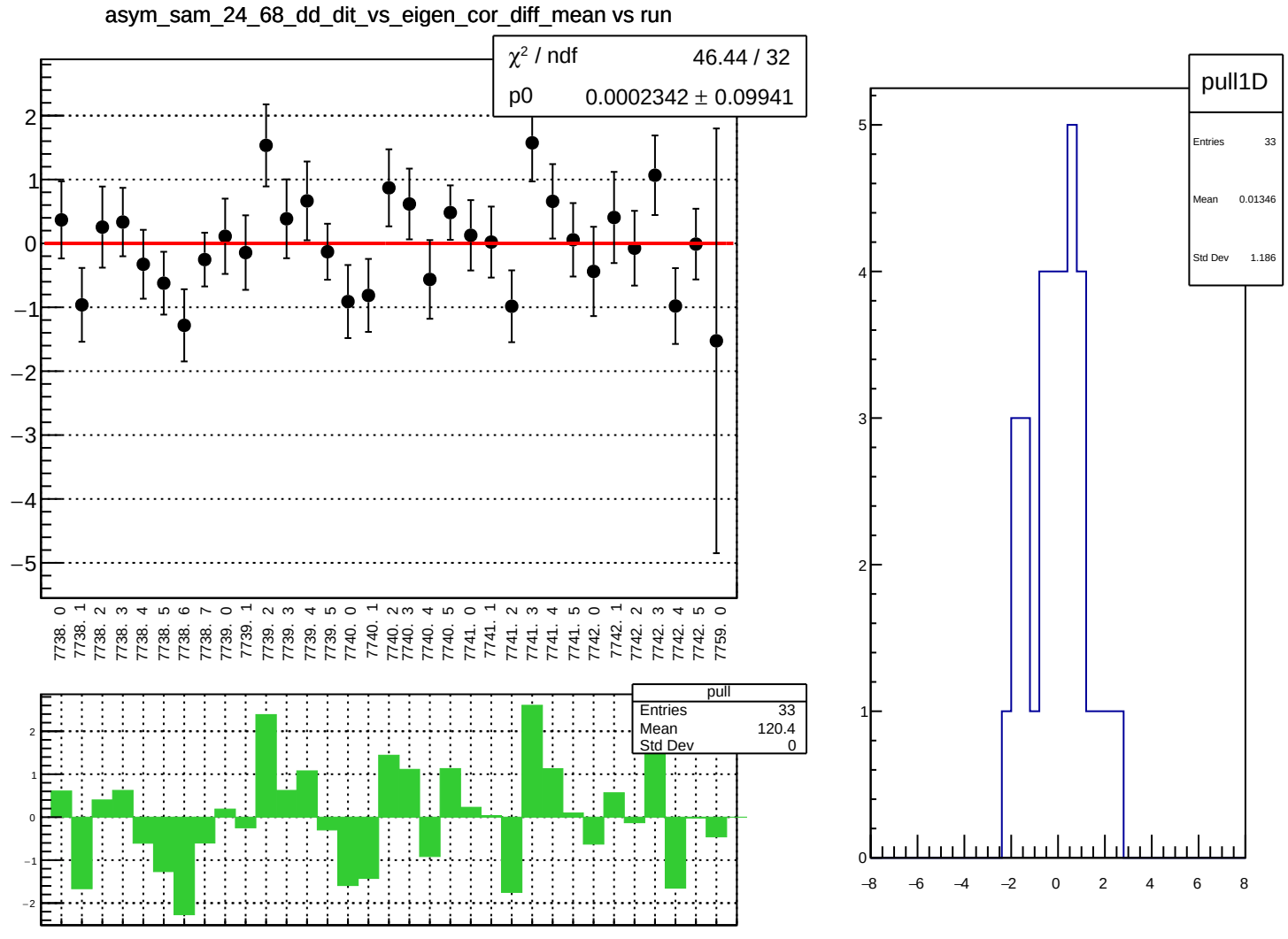

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 27.6 / 32
p0 1.557e−13 ± 4.337e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.222
Std Dev 13.14
1.5
1
0.5
0
−0.5
−1
−1.5
−2

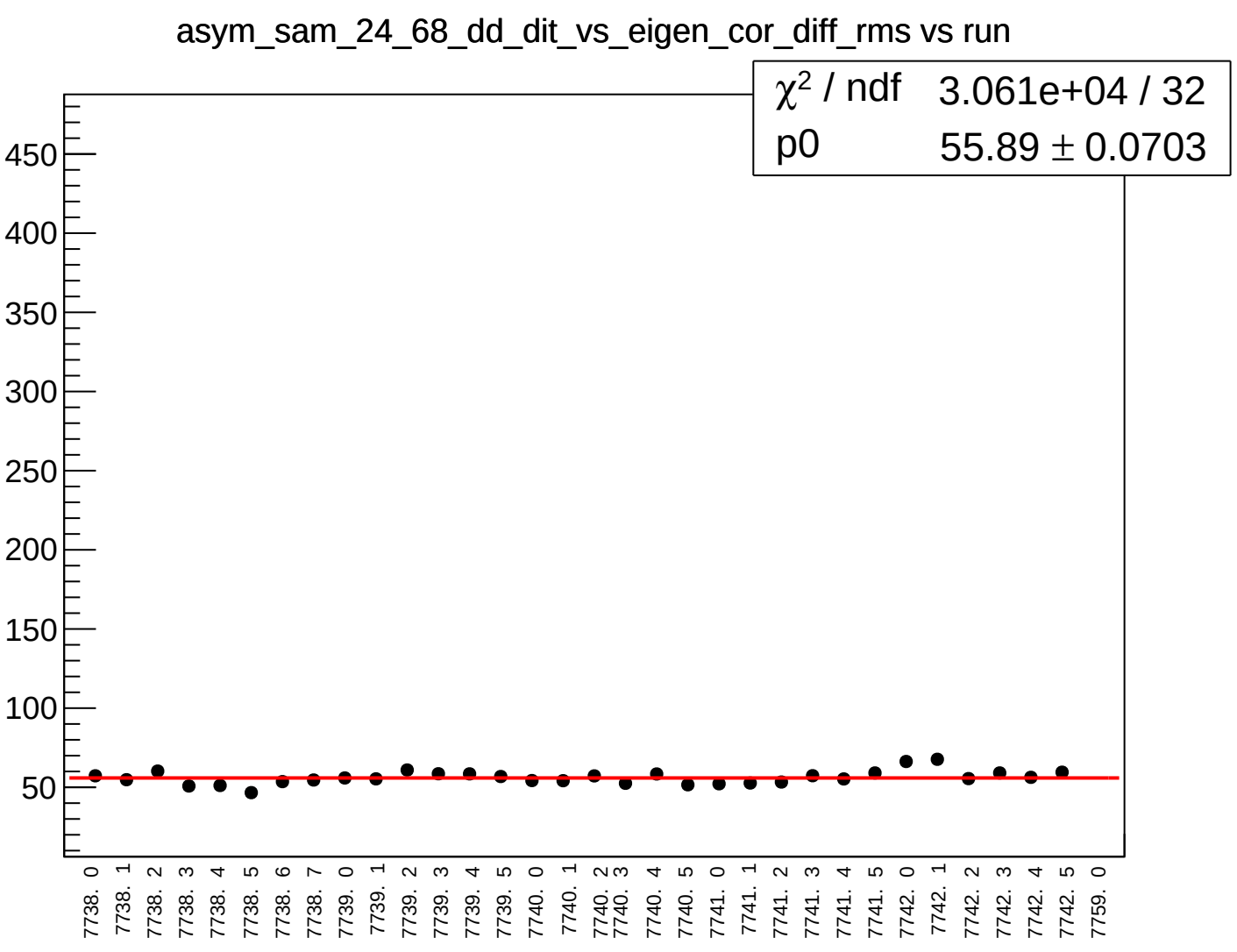

pull1D
Entries 33
Mean −0.06693
Std Dev 0.912
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

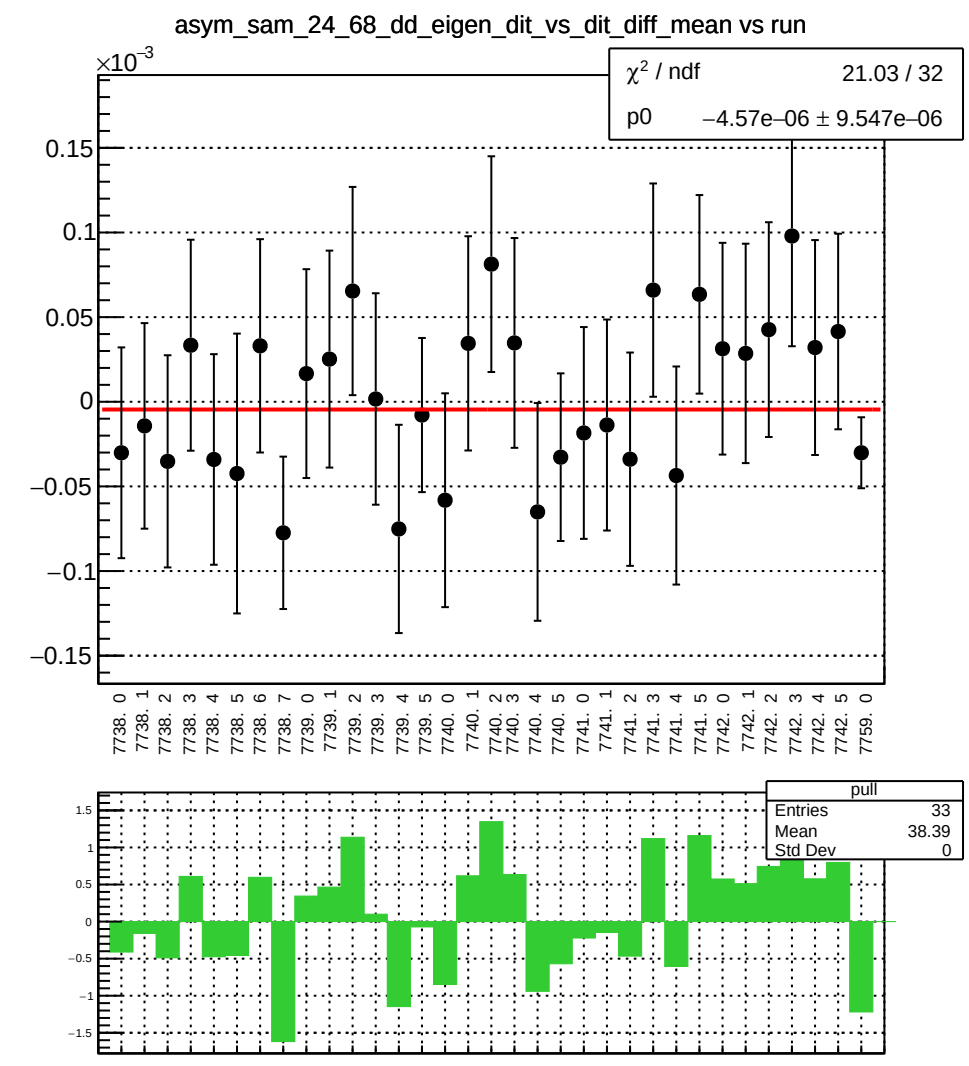

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.732e+05 / 32
p0 1.65e−10 ± 3.067e−13
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

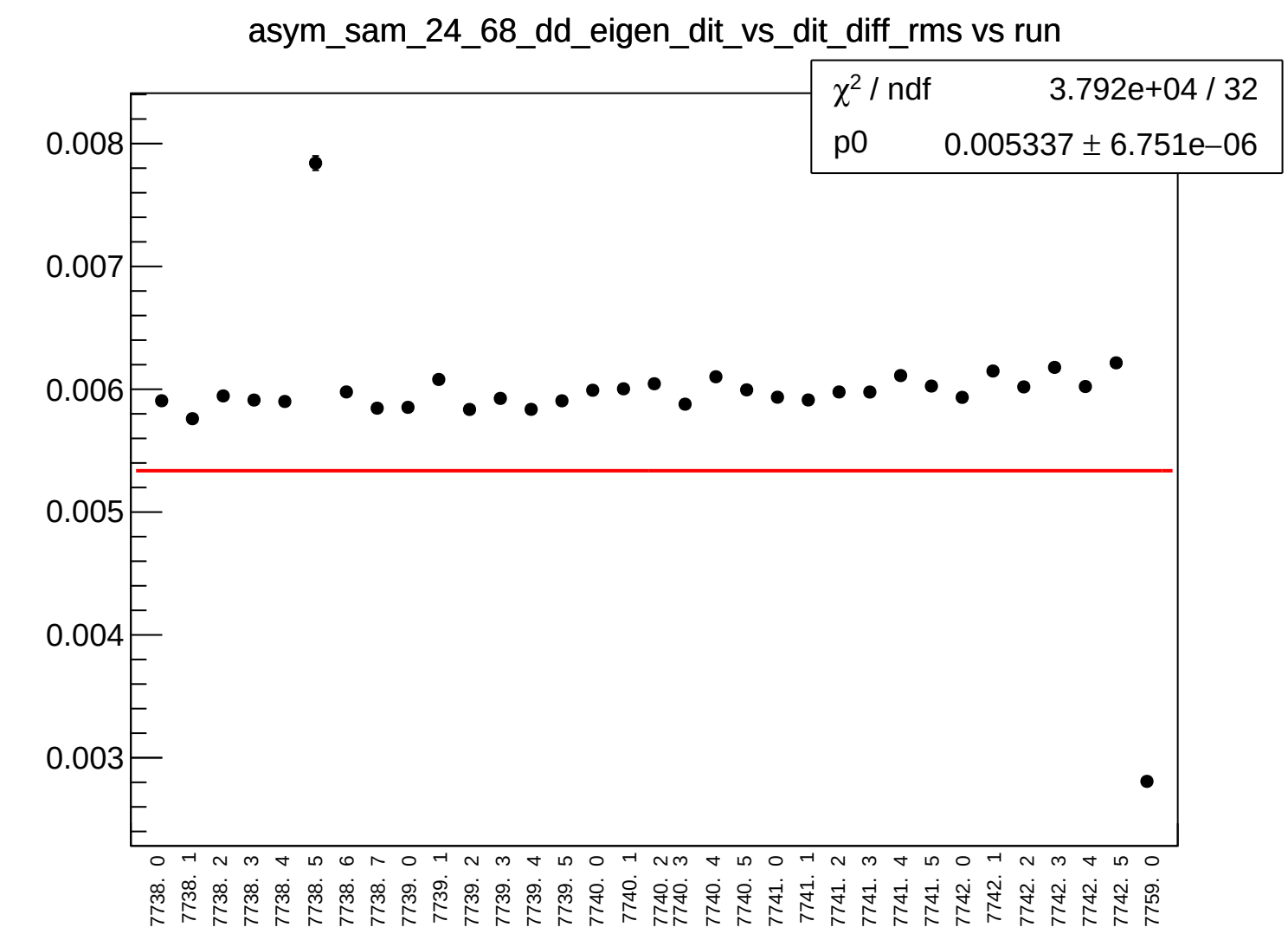

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.44 / 32
p0 0.0002342 ± 0.09941
pull
Entries 33
Mean 120.4
Std Dev 0
pull1D
Entries 33
Mean 0.01346
Std Dev 1.186

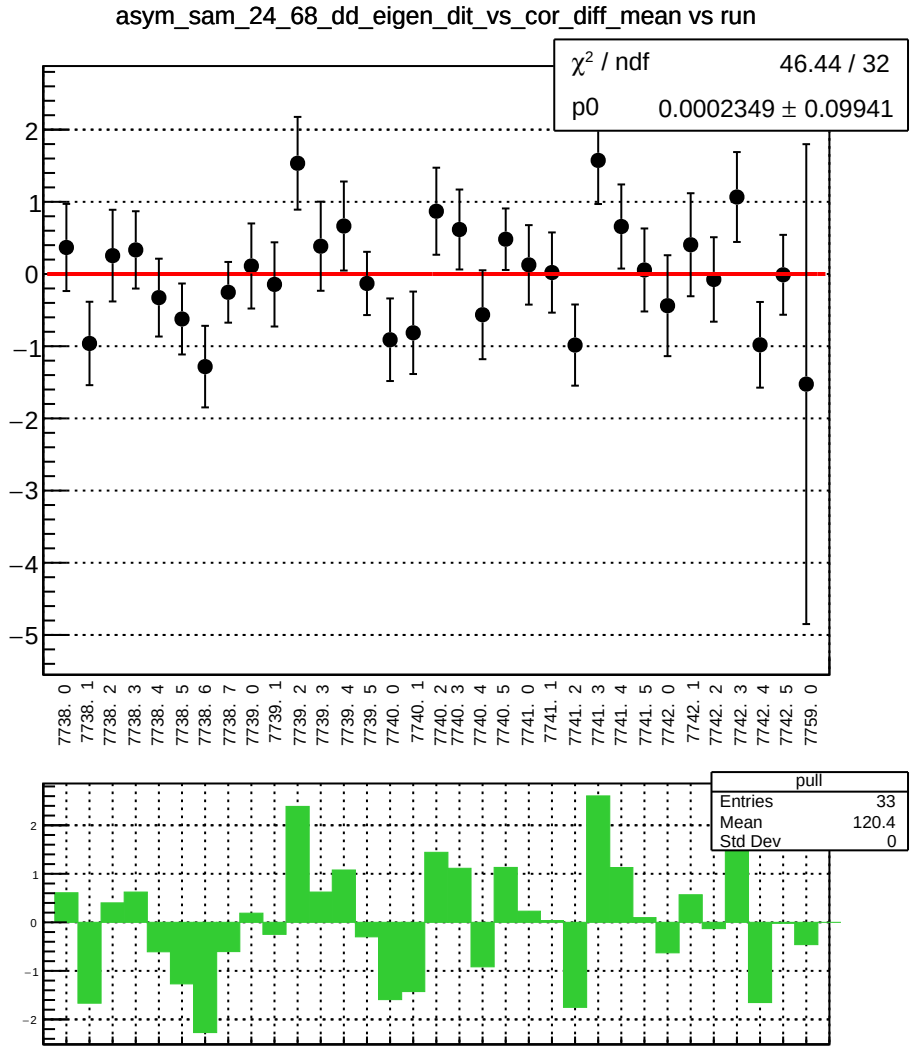

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.061e+04 / 32
p0 55.89 ± 0.0703
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

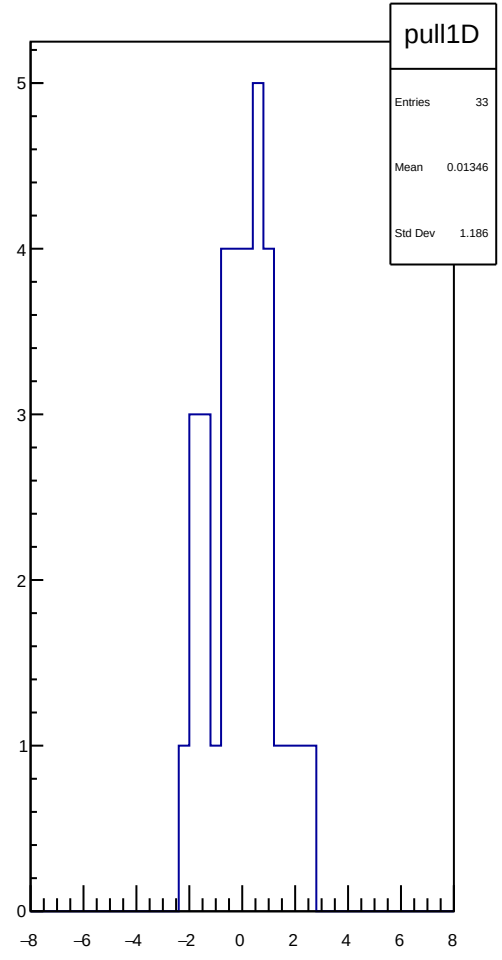

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.44 / 32
p0 0.0002342 ± 0.09941
pull
Entries 33
Mean 120.4
Std Dev 0
pull1D
Entries 33
Mean 0.01346
Std Dev 1.186

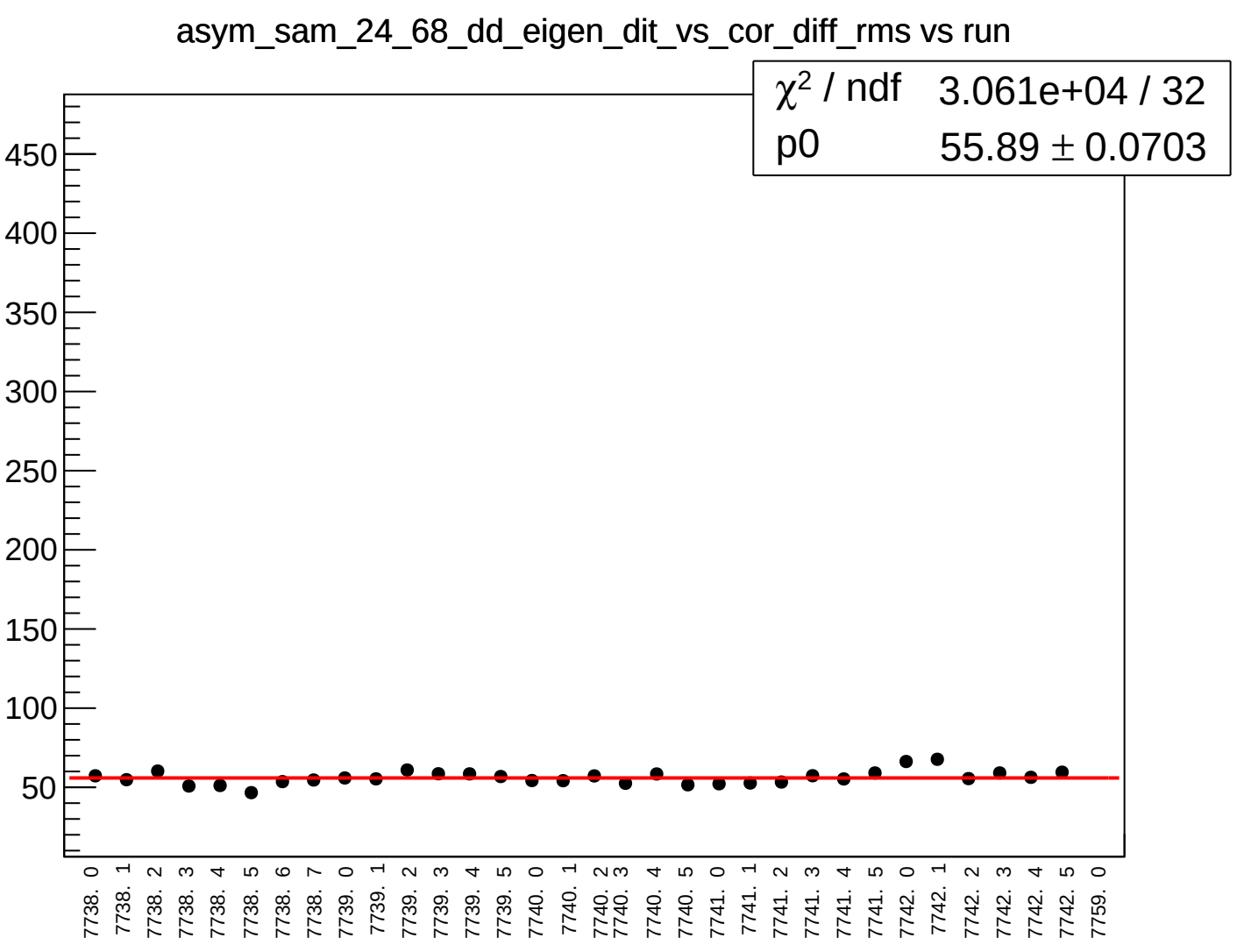

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.061e+04 / 32
p0 55.89 ± 0.0703
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

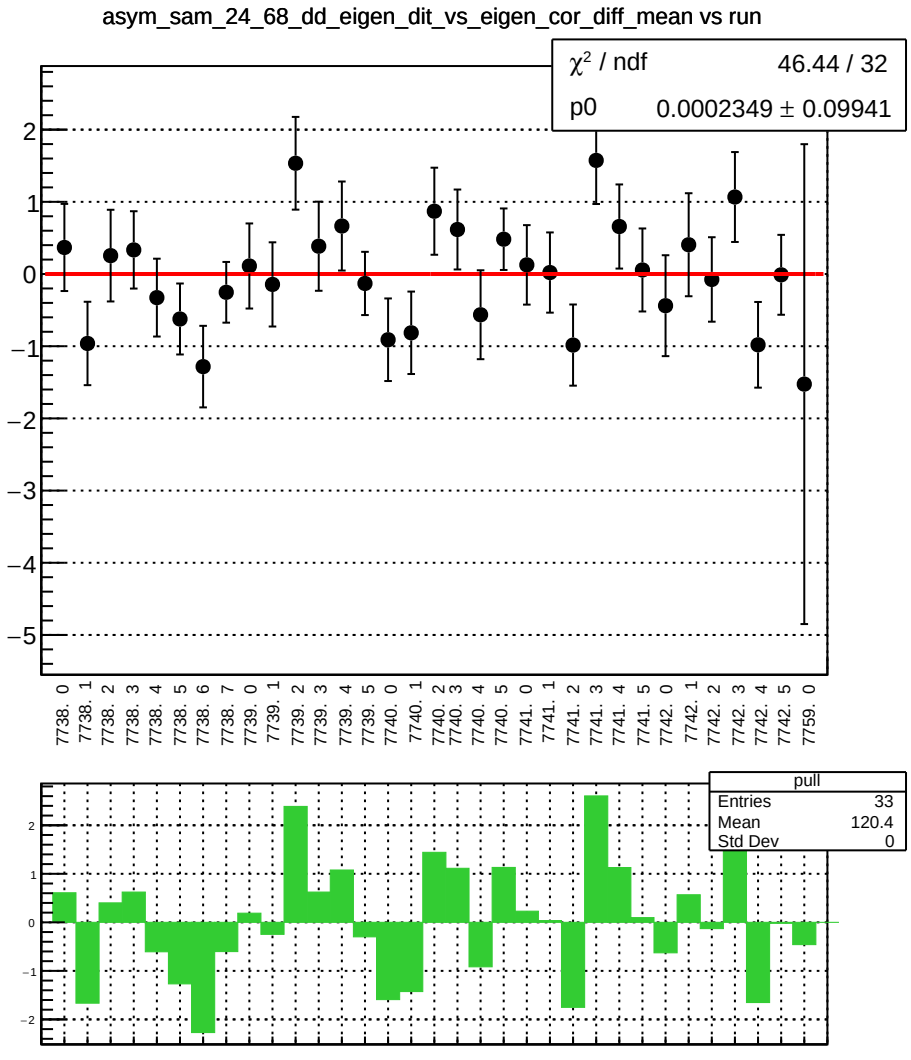

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 21.03 / 32
p0 −4.57e−06 ± 9.547e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0929
Std Dev 0.7929
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

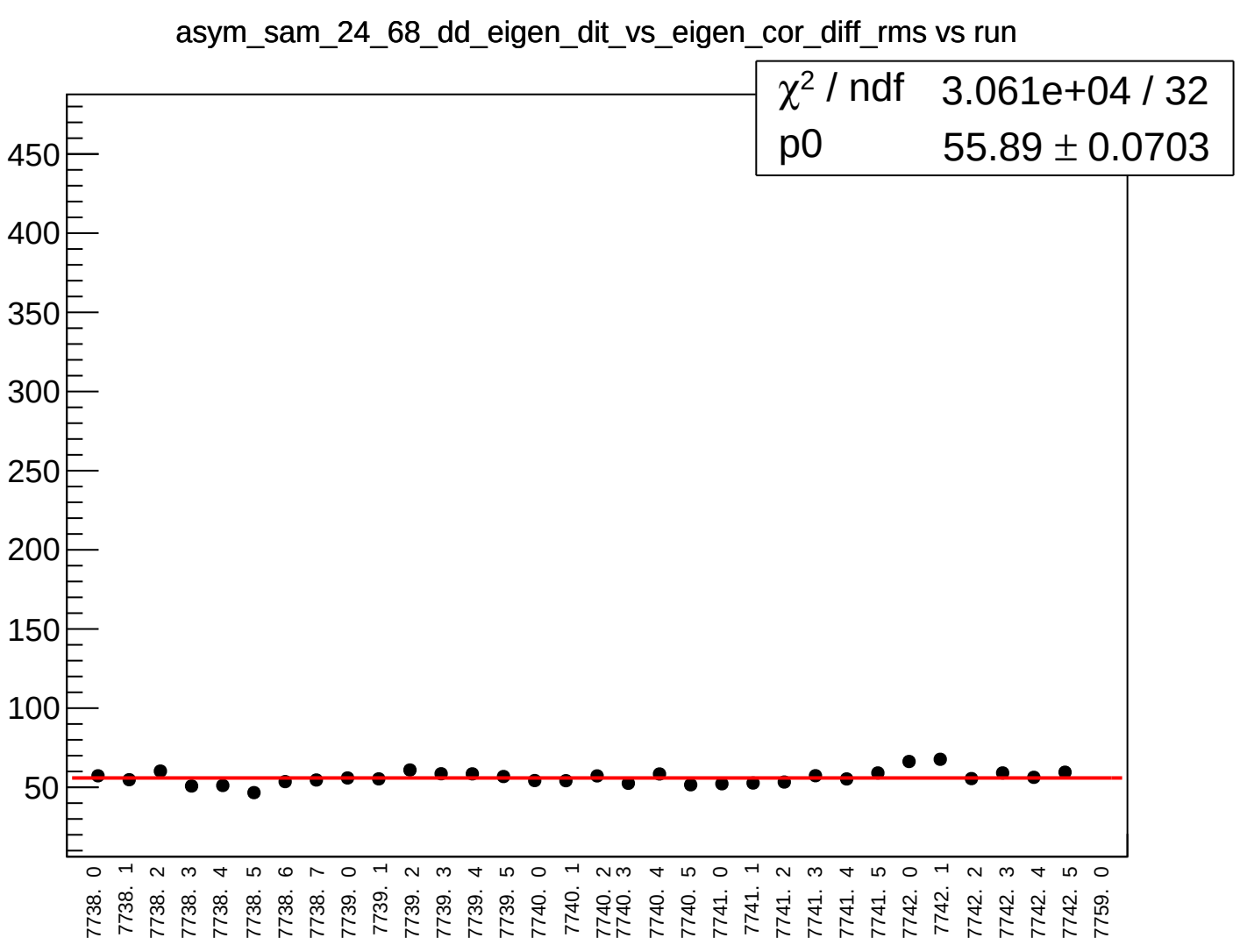

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.792e+04 / 32
p0 0.005337 ± 6.751e−06
0.008
0.007
0.006
0.005
0.004
0.003
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

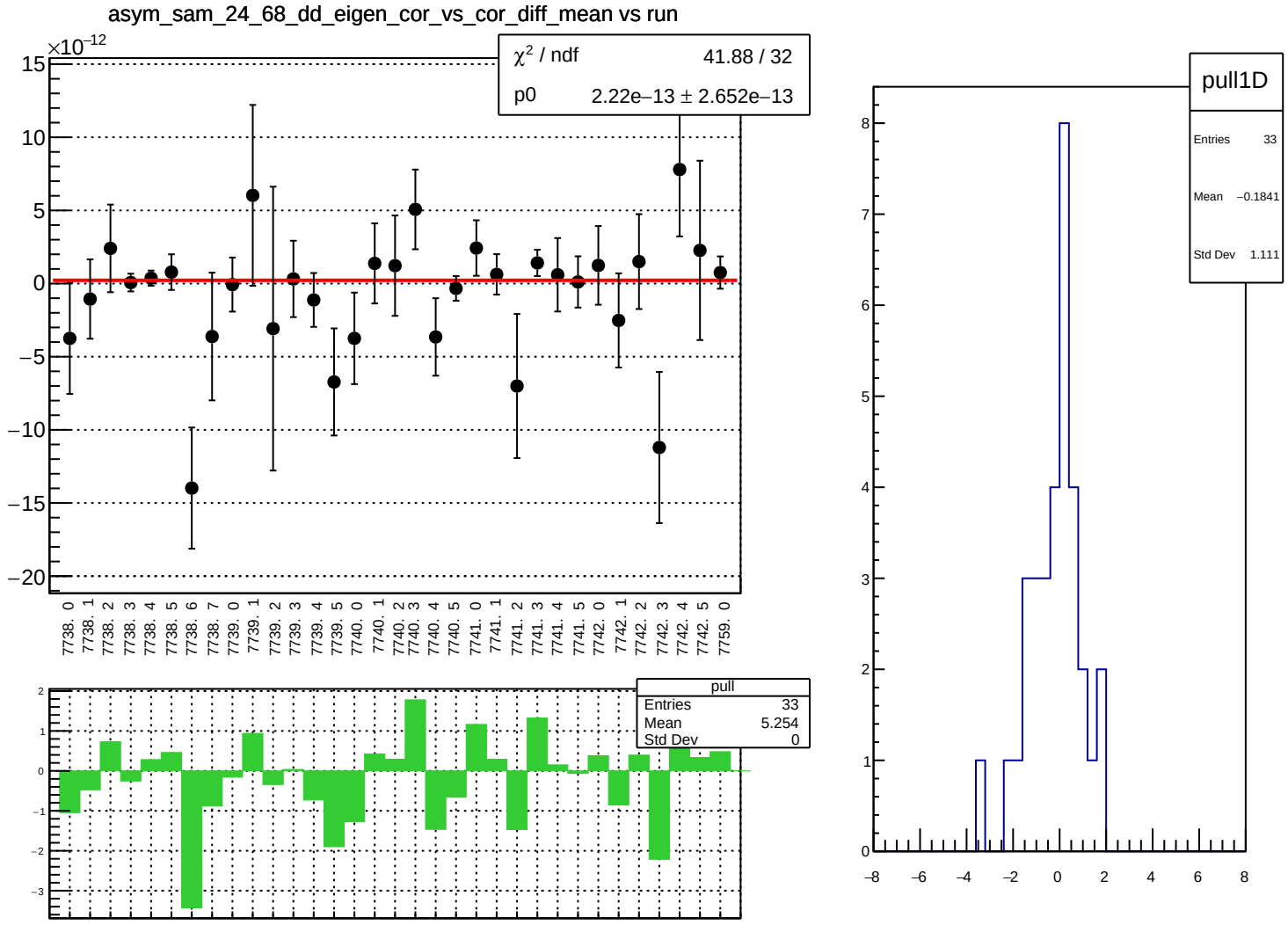

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.44 / 32
p0 0.0002349 ± 0.09941
pull
Entries 33
Mean 120.4
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

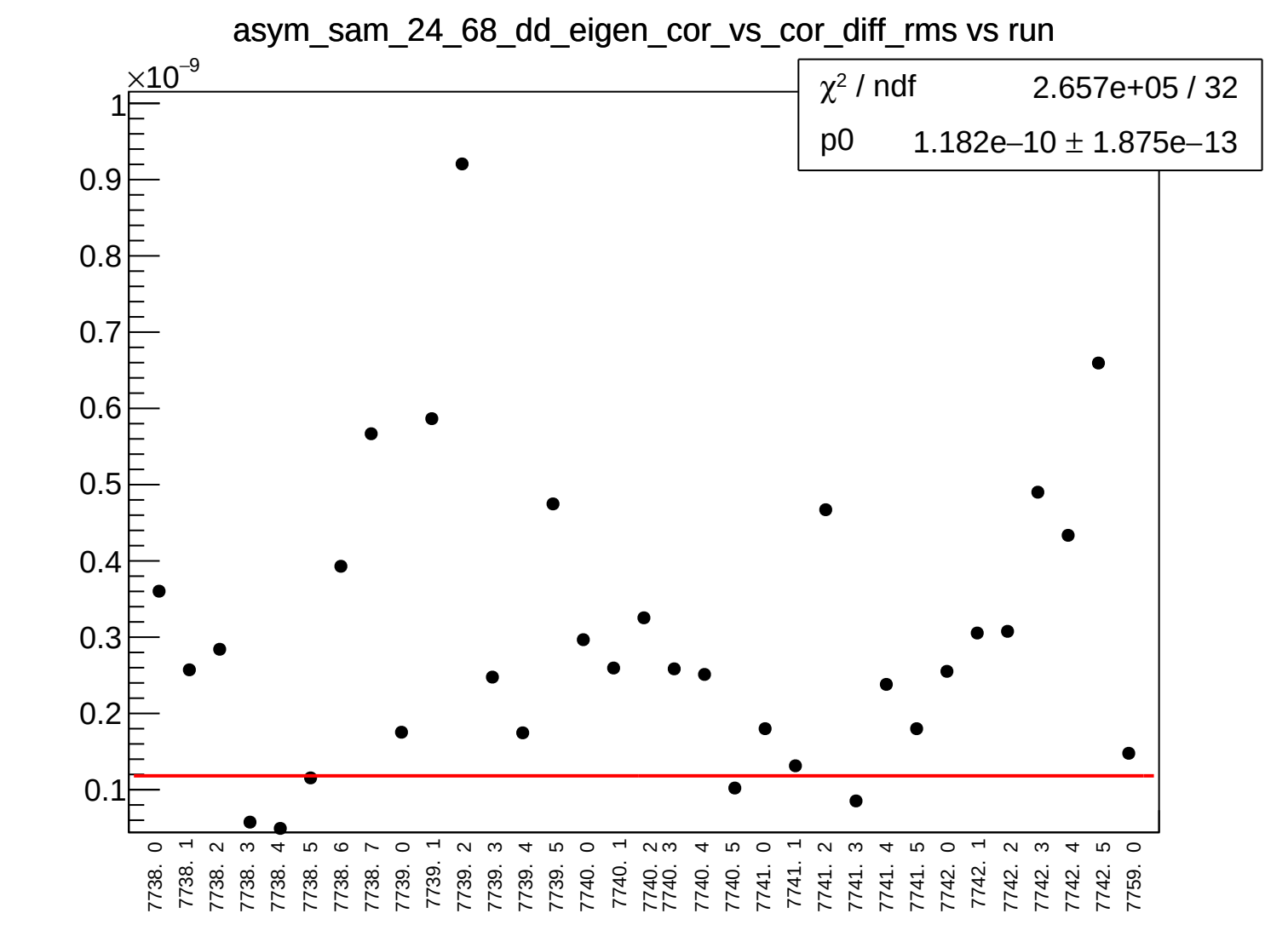

pull1D
Entries 33
Mean 0.01346
Std Dev 1.186

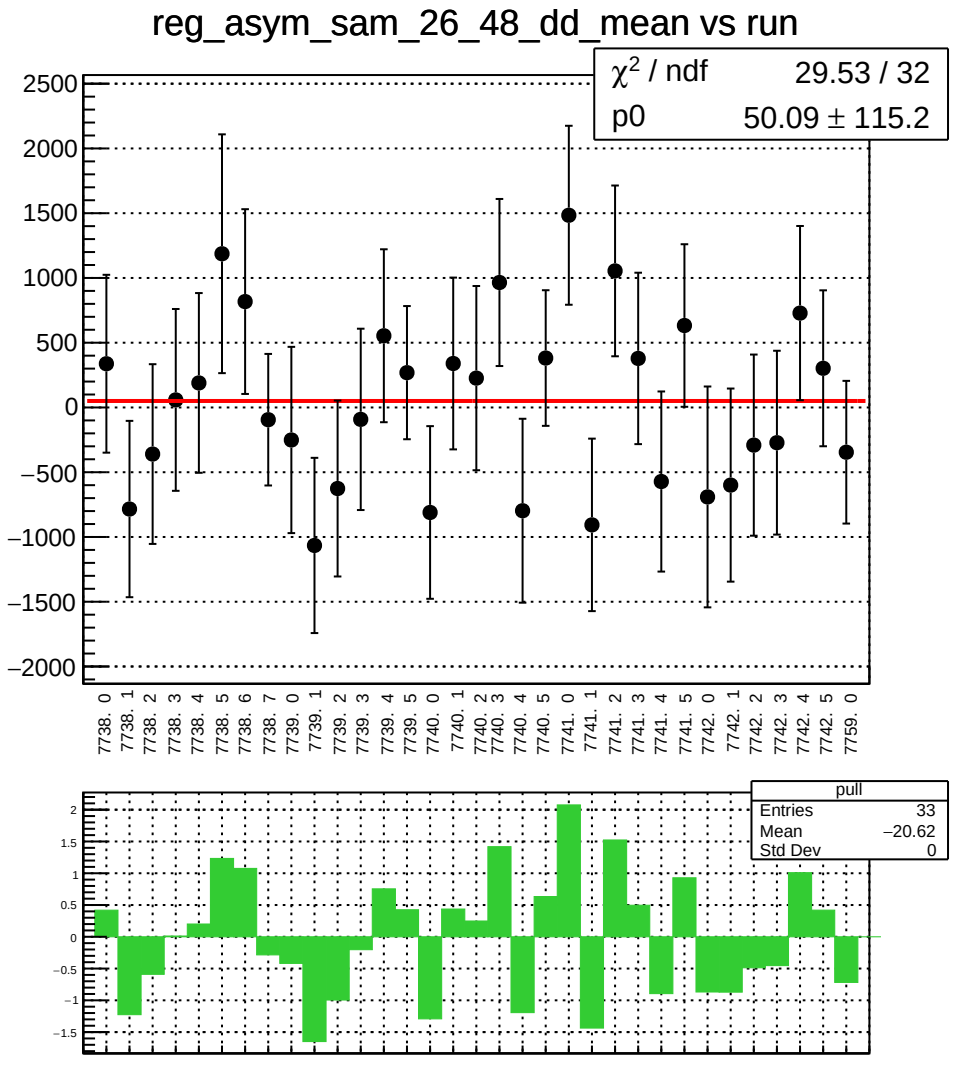

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.061e+04 / 32
p0 55.89 ± 0.0703
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

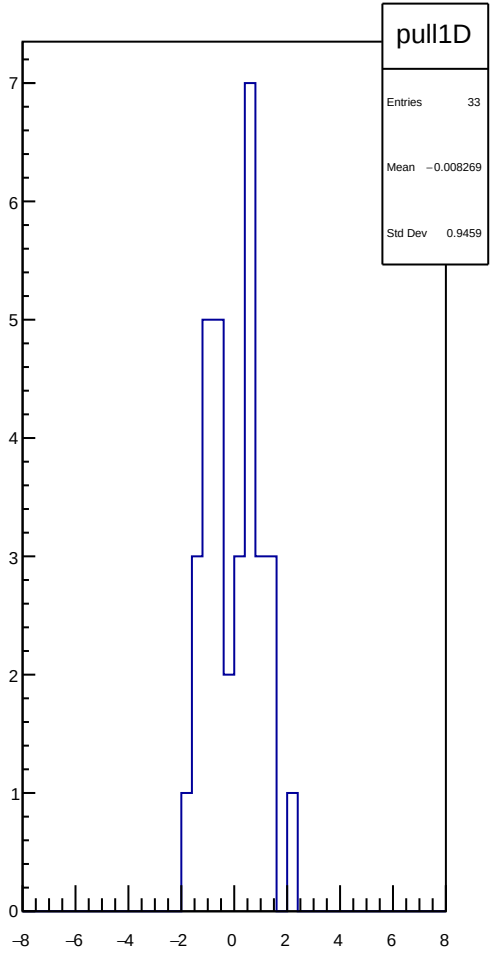

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.44 / 32
p0 0.0002349 ± 0.09941
pull
Entries 33
Mean 120.4
Std Dev 0
pull1D
Entries 33
Mean 0.01346
Std Dev 1.186

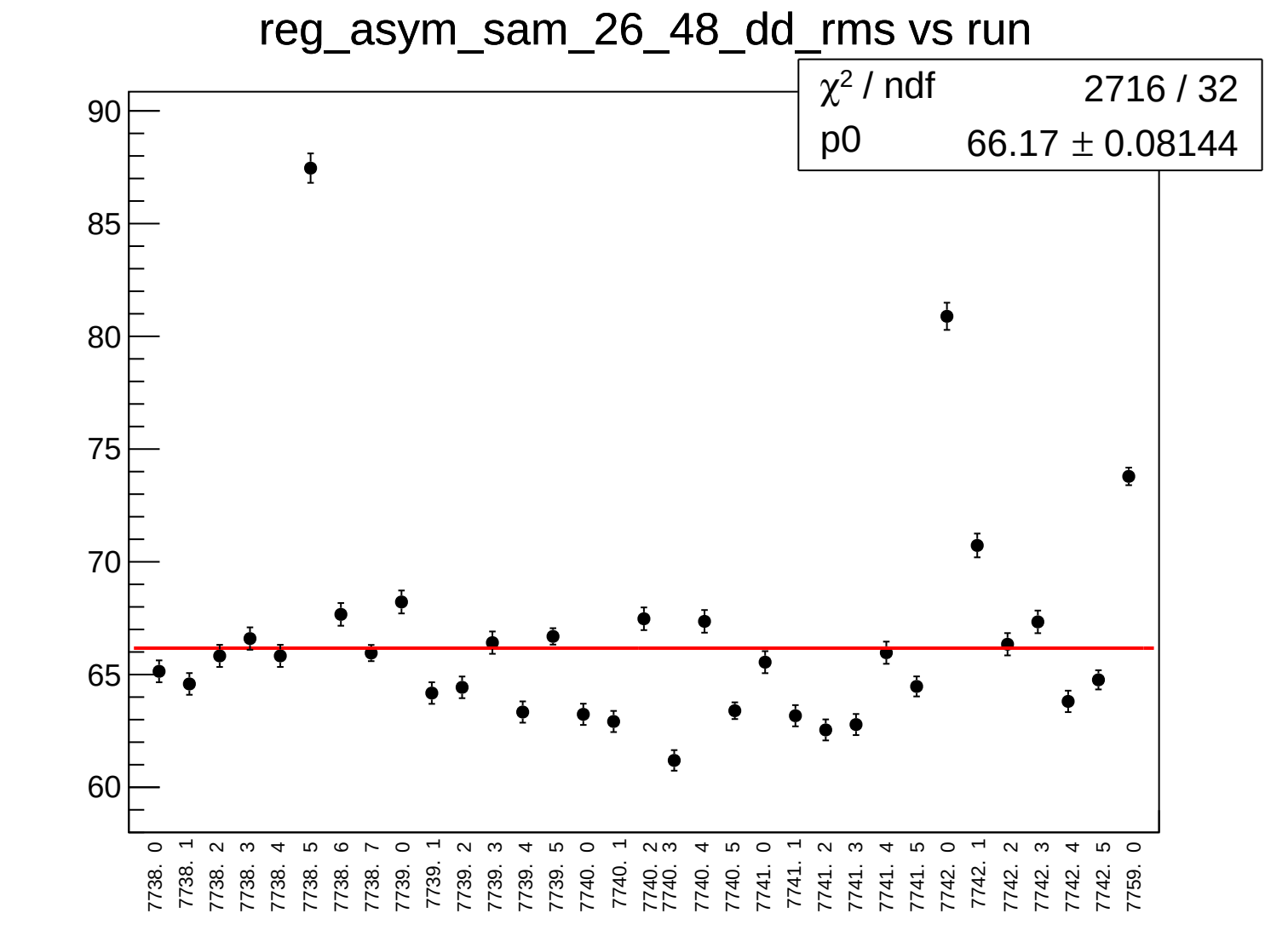

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.061e+04 / 32
p0 55.89 ± 0.0703
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

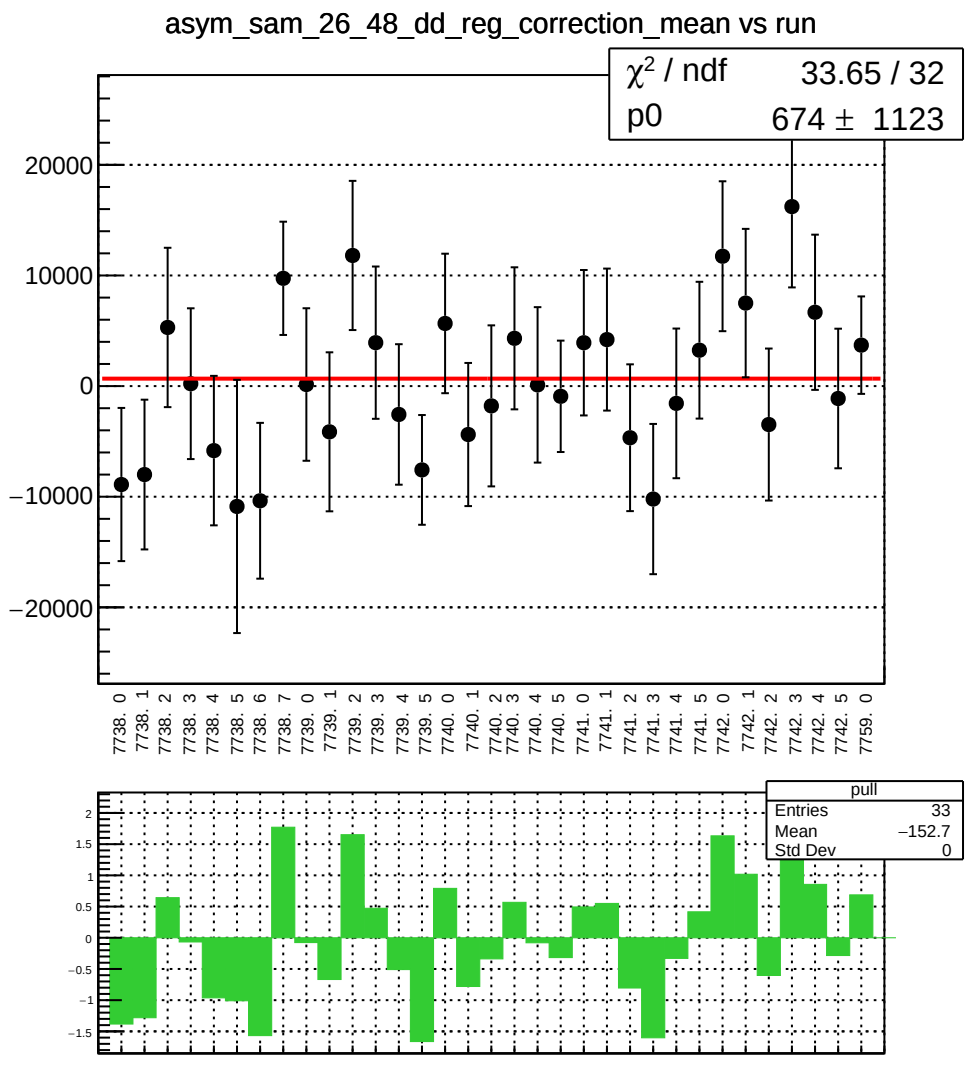

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.88 / 32
p0 2.22e−13 ± 2.652e−13
15
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.254
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.1841
Std Dev 1.111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

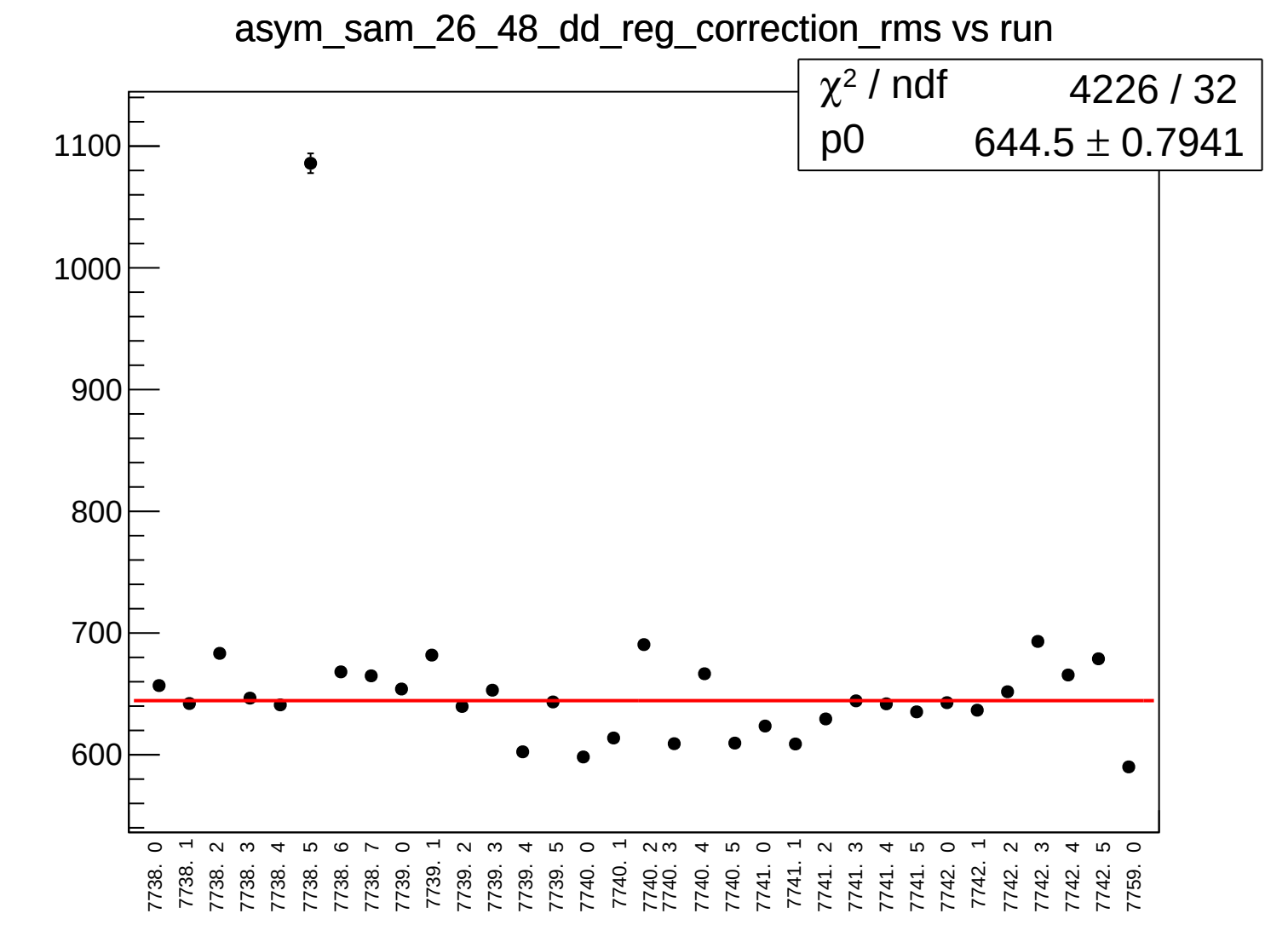

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.657e+05 / 32
p0 1.182e−10 ± 1.875e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

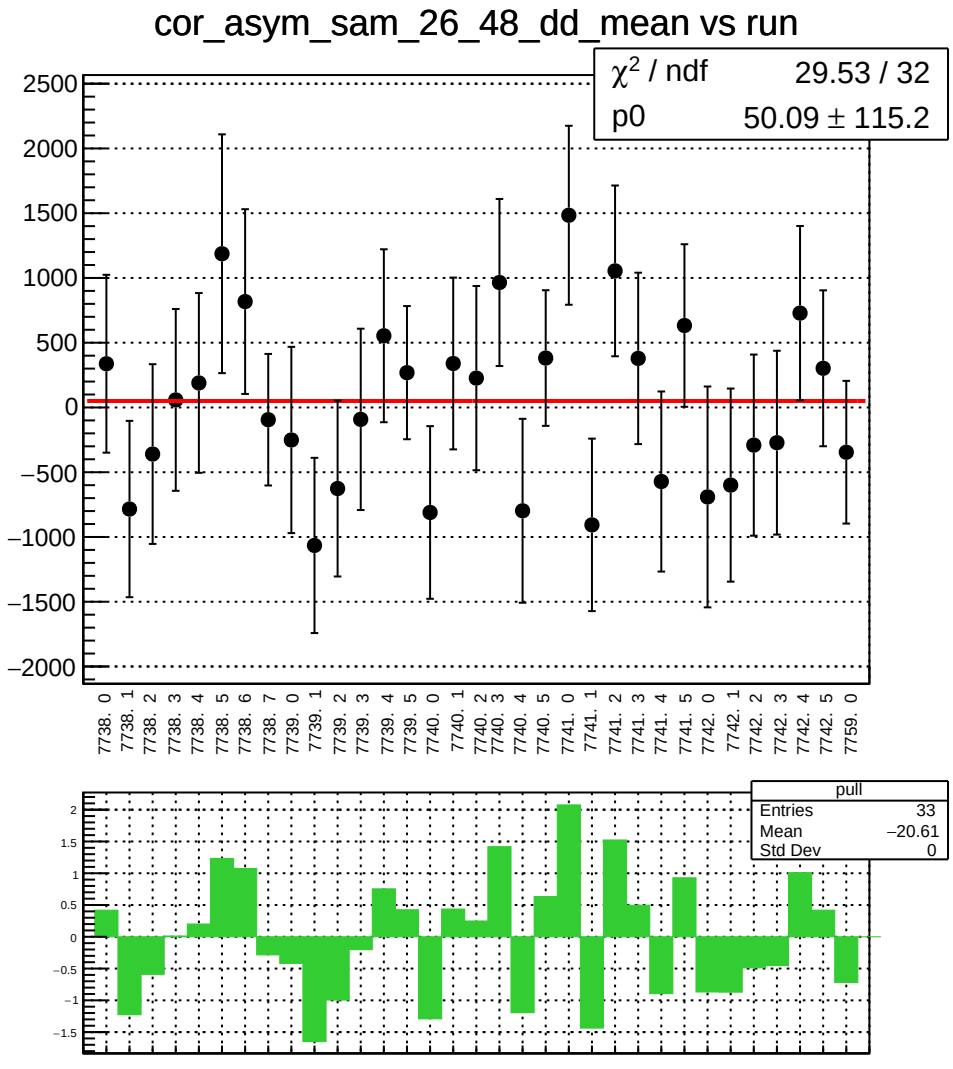

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 29.53 / 32
p0 50.09 ± 115.2
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

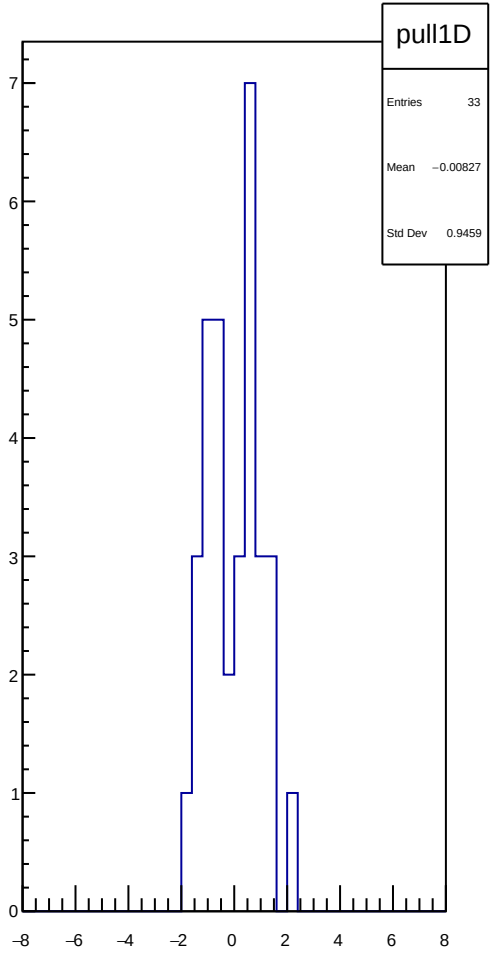

pull1D
Entries 33
Mean −0.008269
Std Dev 0.9459
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

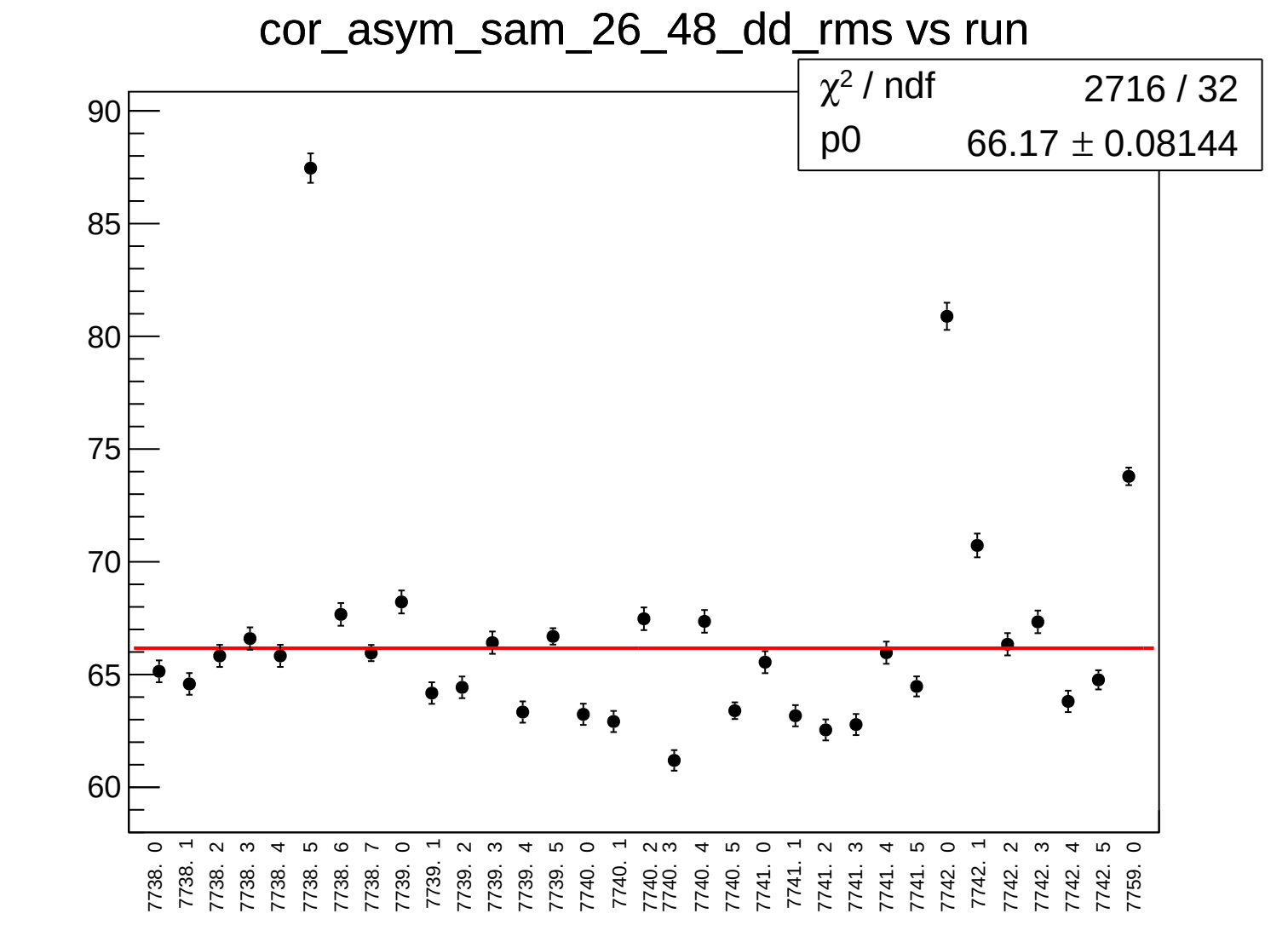

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 2716 / 32
p0 66.17 ± 0.08144
90
85
80
75
70
65
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

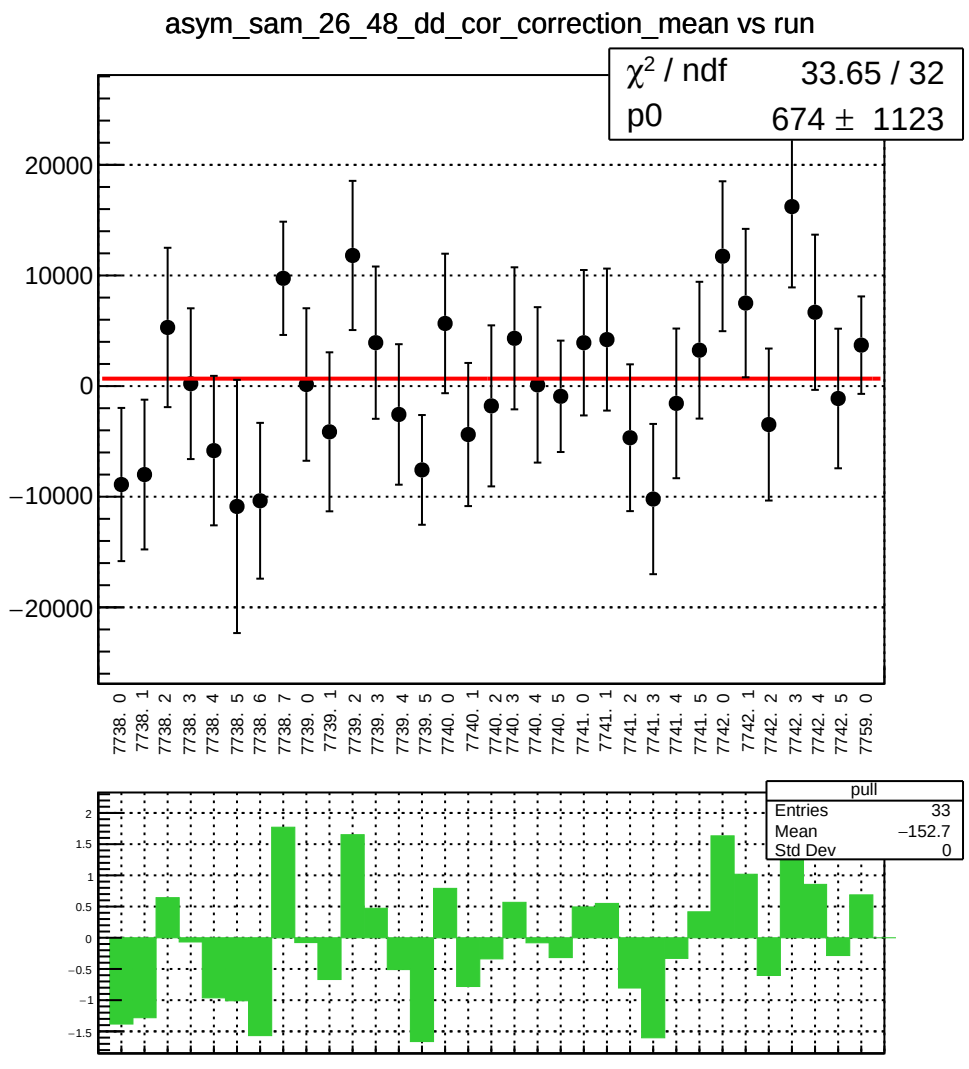

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 33.65 / 32
p0 674 ± 1123
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01983
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

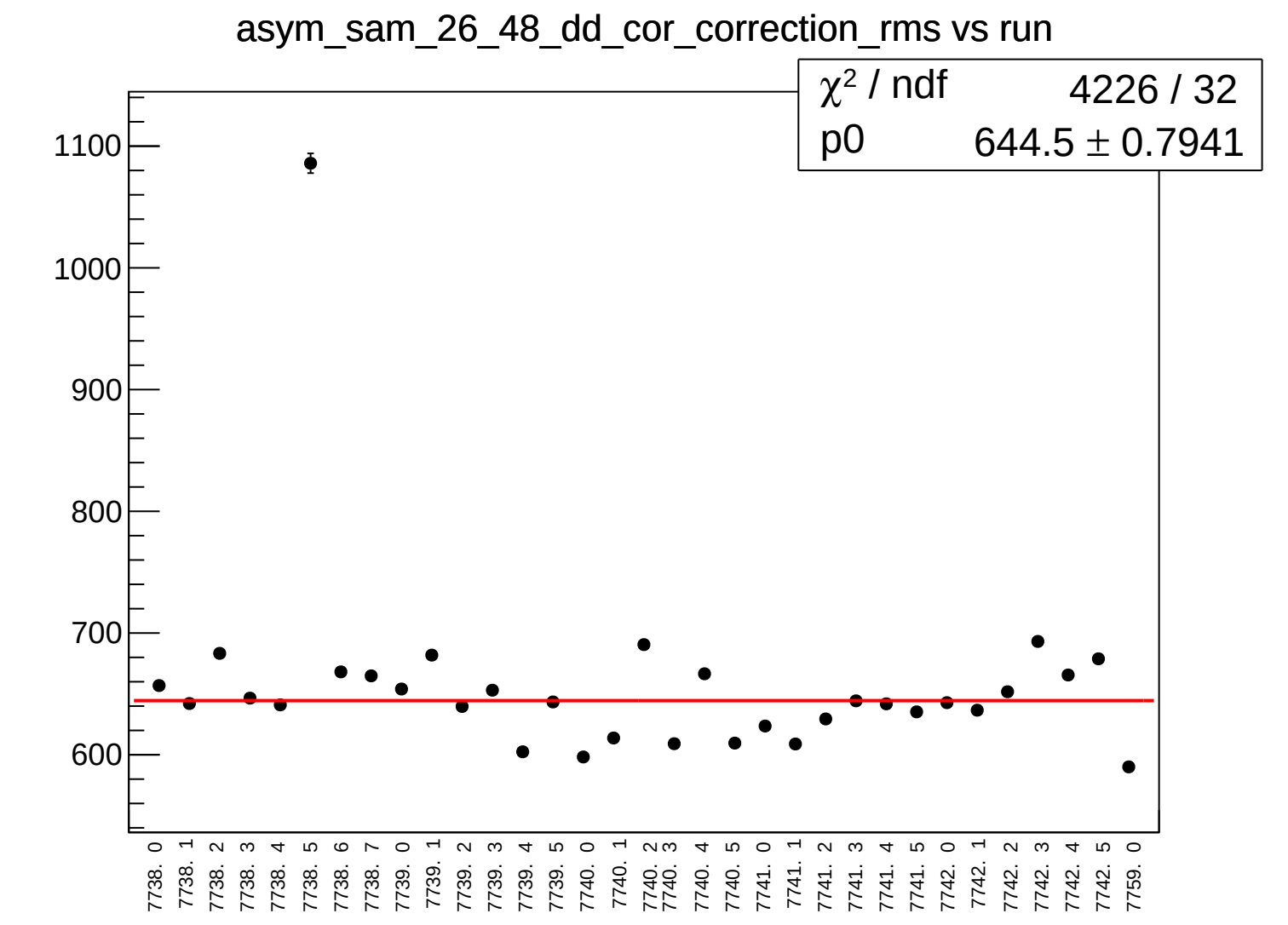

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 4226 / 32
p0 644.5 ± 0.7941
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

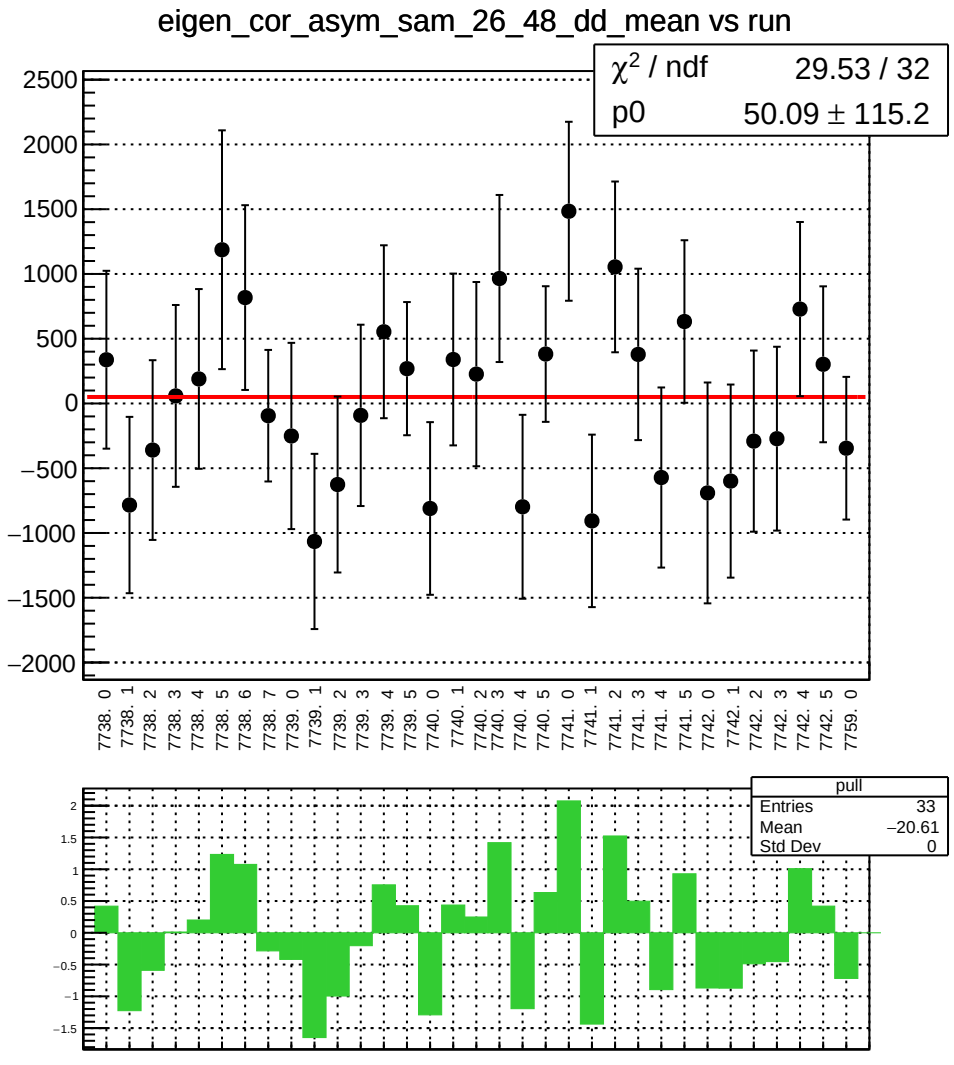

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 29.53 / 32
p0 50.09 ± 115.2
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

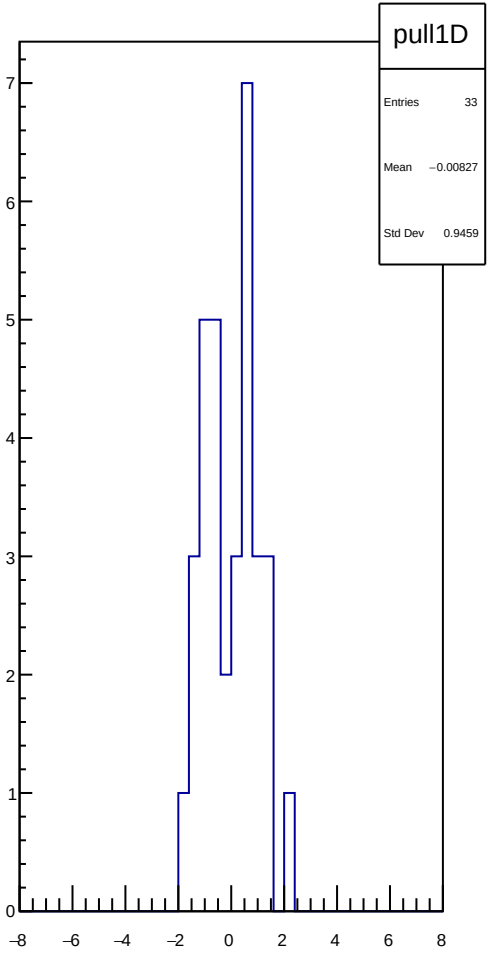

pull1D
Entries 33
Mean −0.00827
Std Dev 0.9459
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

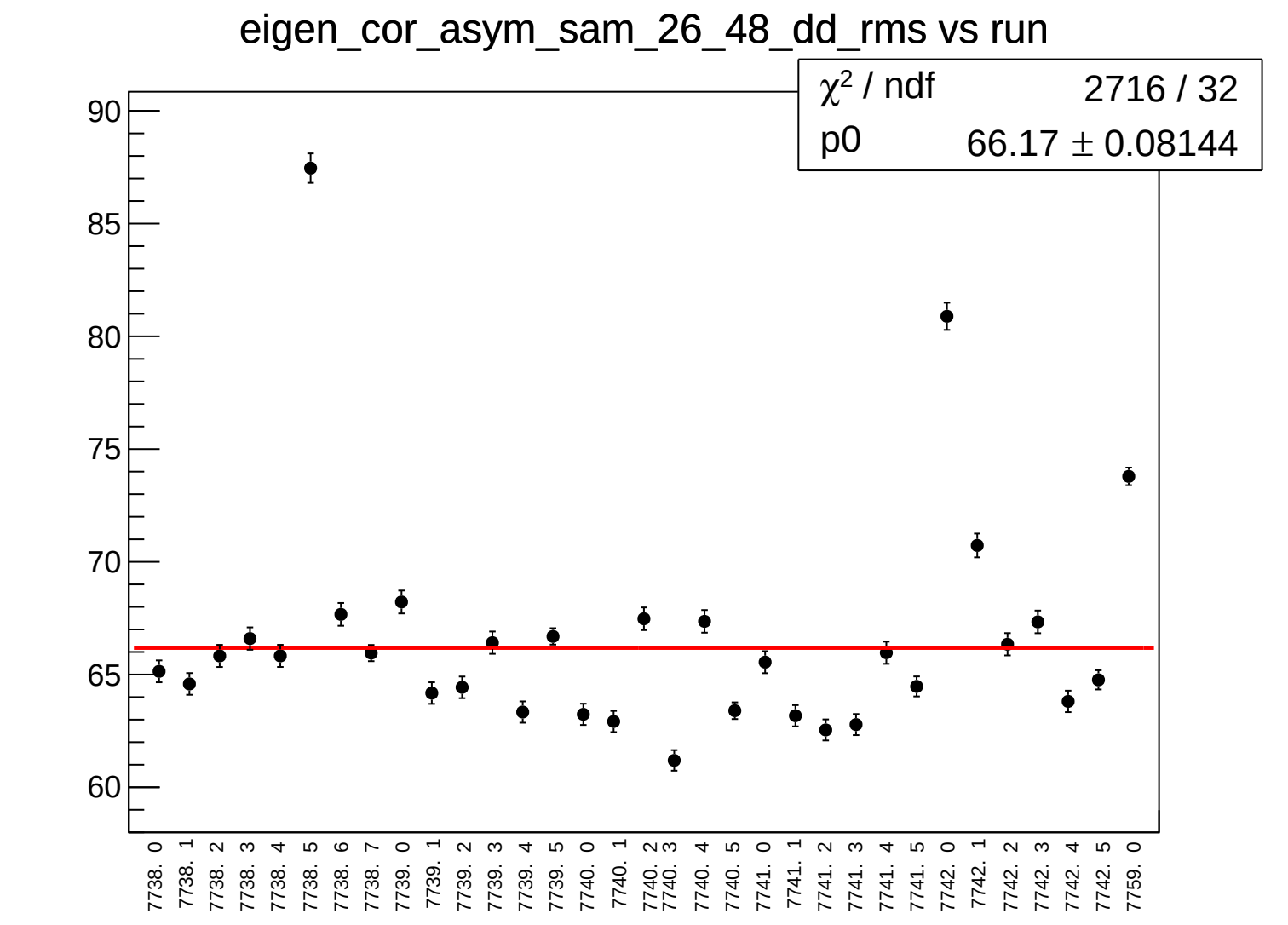

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2716 / 32
p0 66.17 ± 0.08144
90
85
80
75
70
65
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

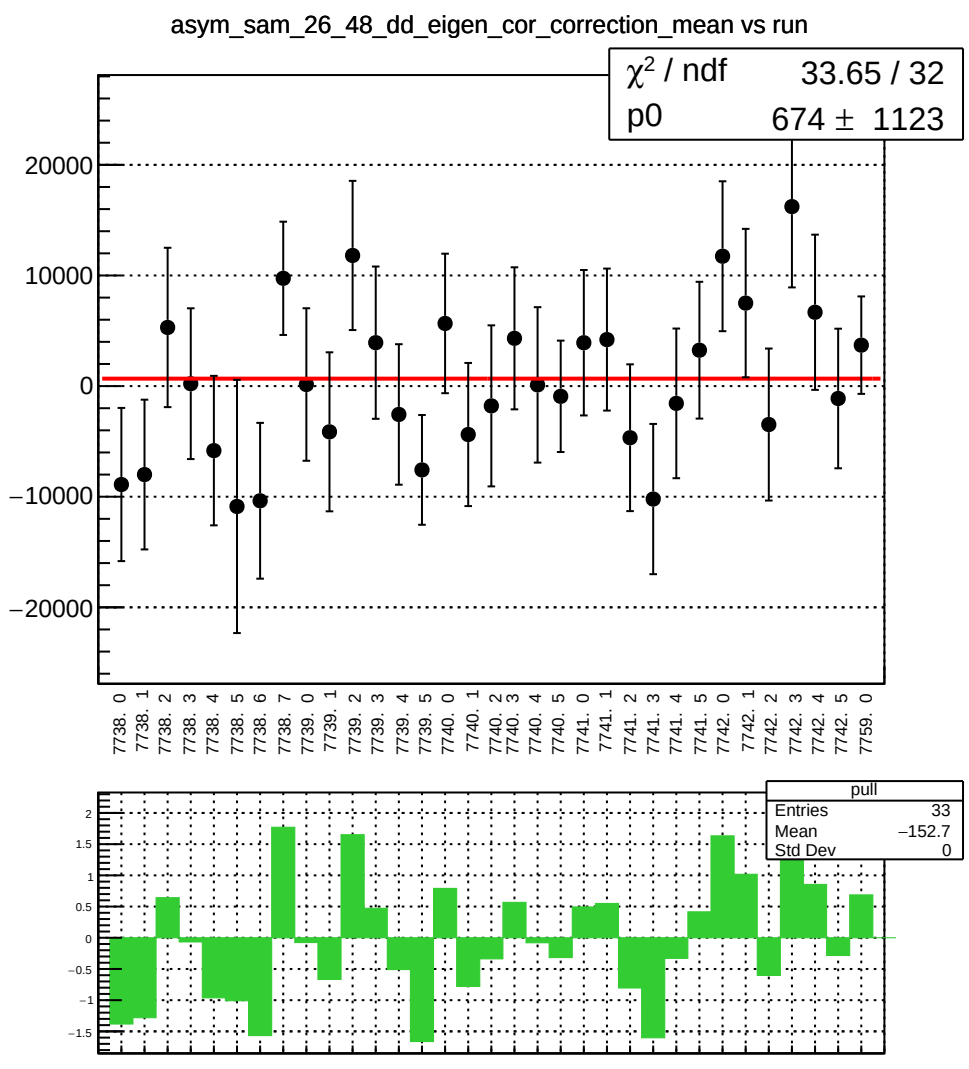

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 33.65 / 32
p0 674 ± 1123
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01983
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

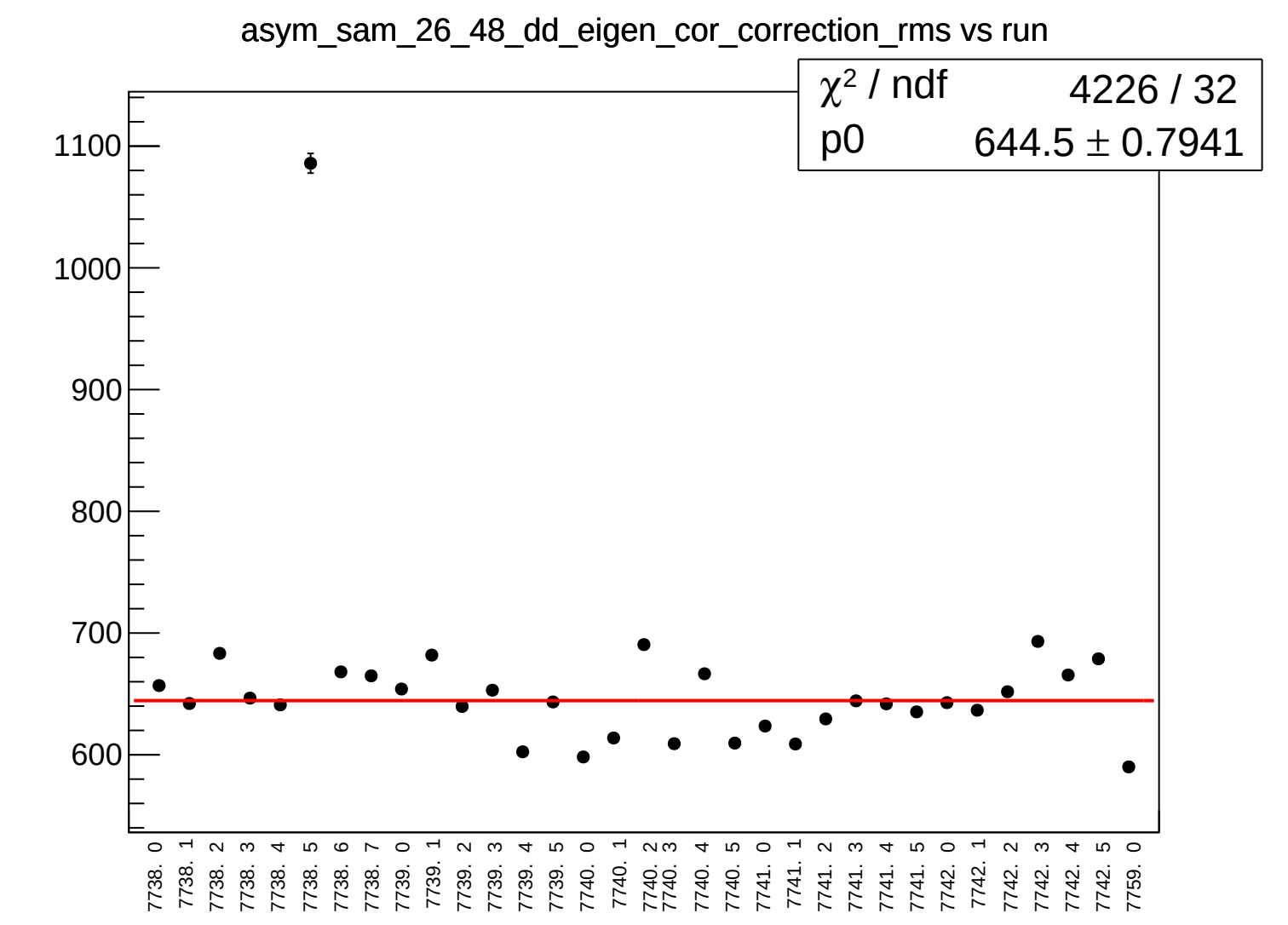

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 4226 / 32
p0 644.5 ± 0.7941
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

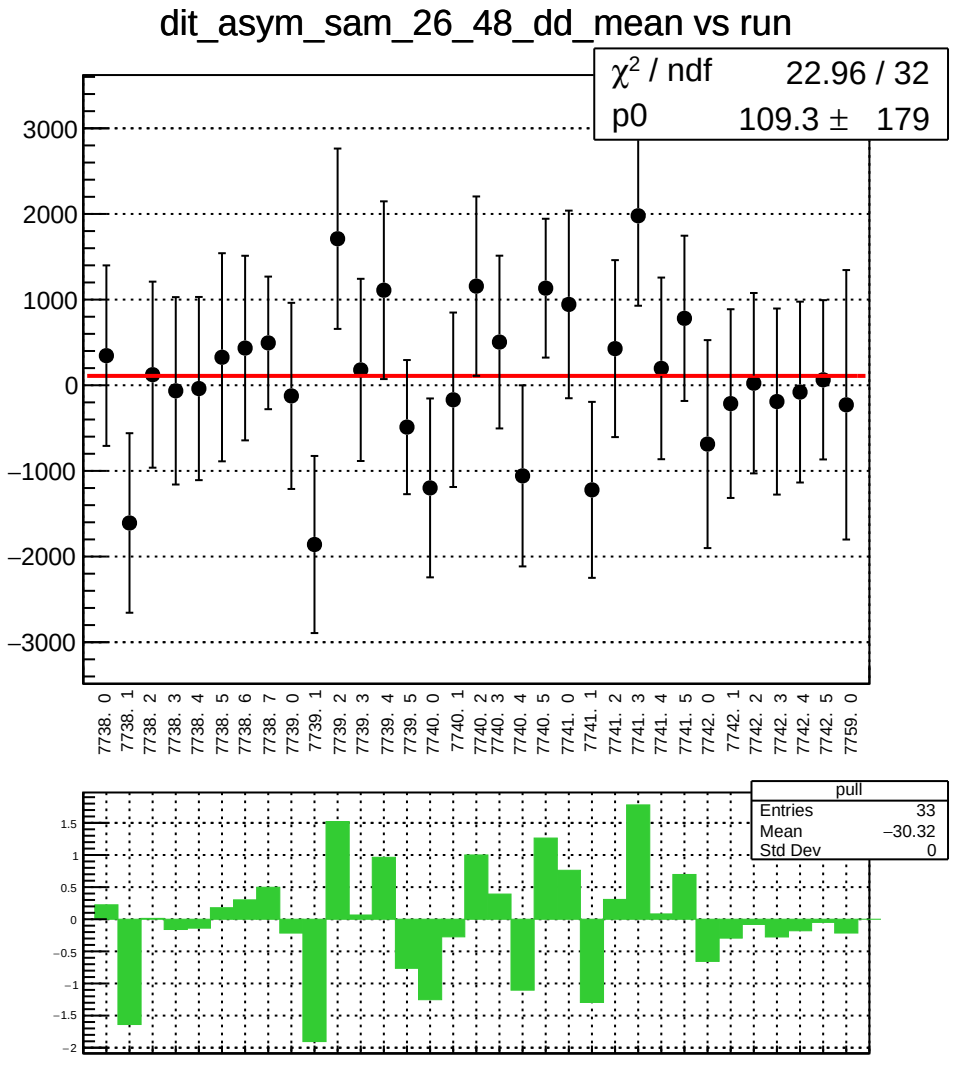

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 29.53 / 32
p0 50.09 ± 115.2
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

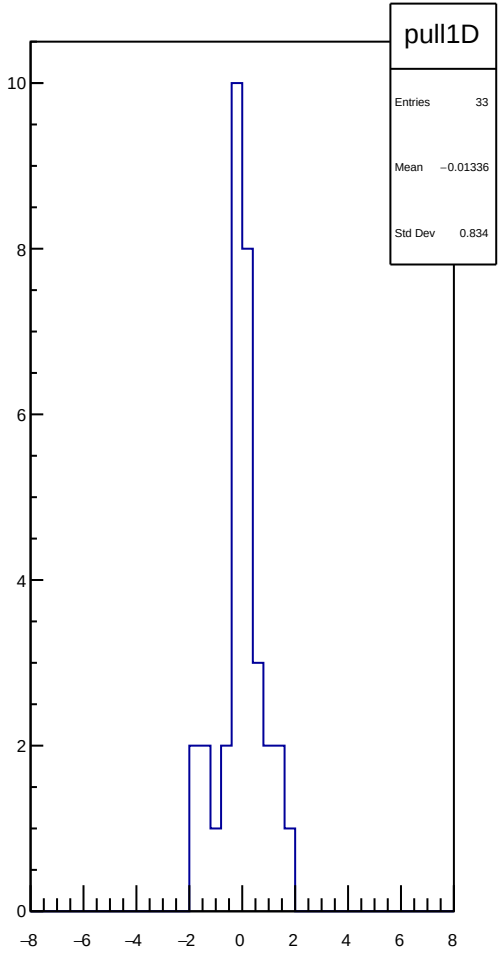

pull1D
Entries 33
Mean −0.00827
Std Dev 0.9459
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

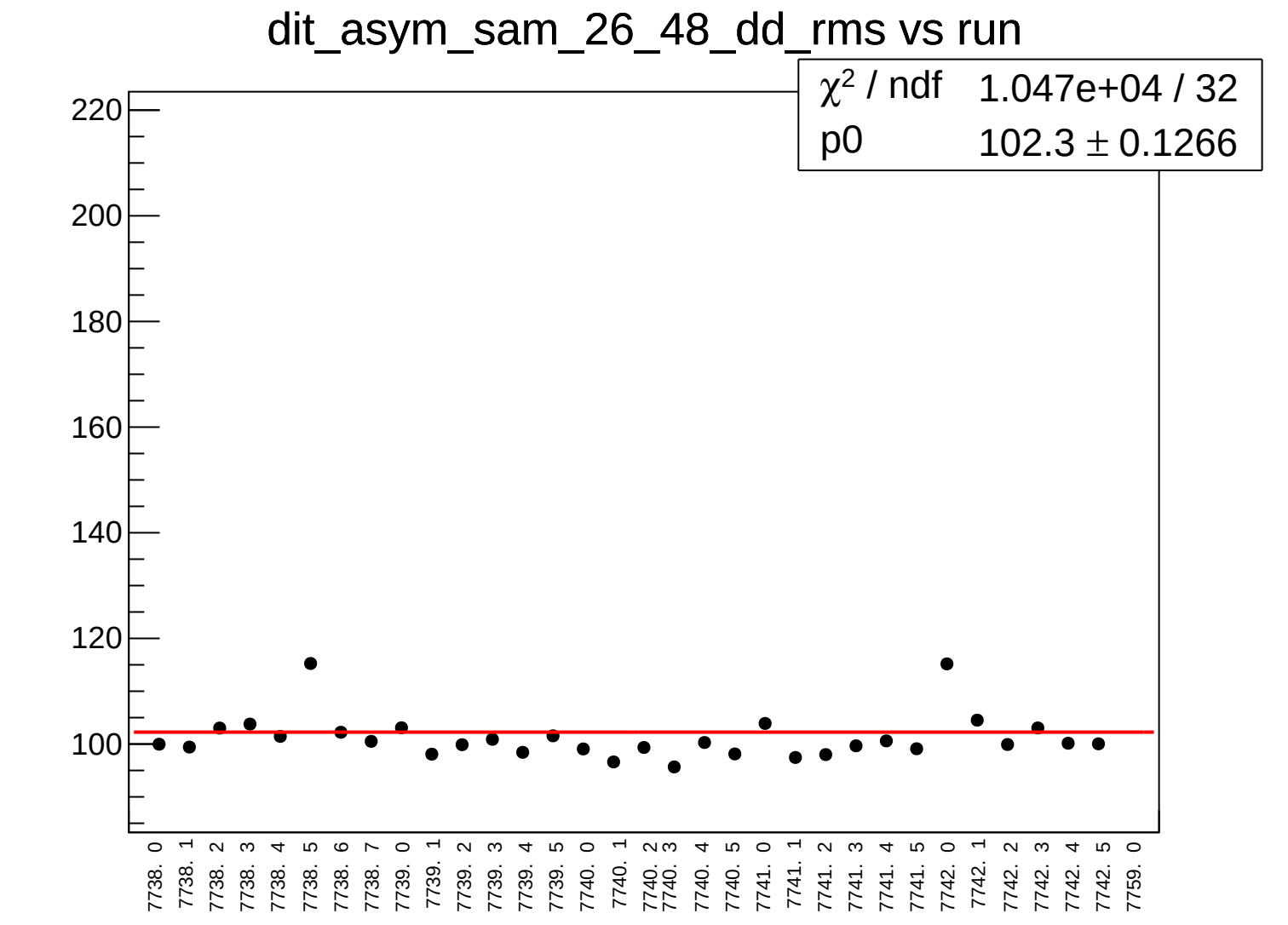

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2716 / 32
p0 66.17 ± 0.08144
90
85
80
75
70
65
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

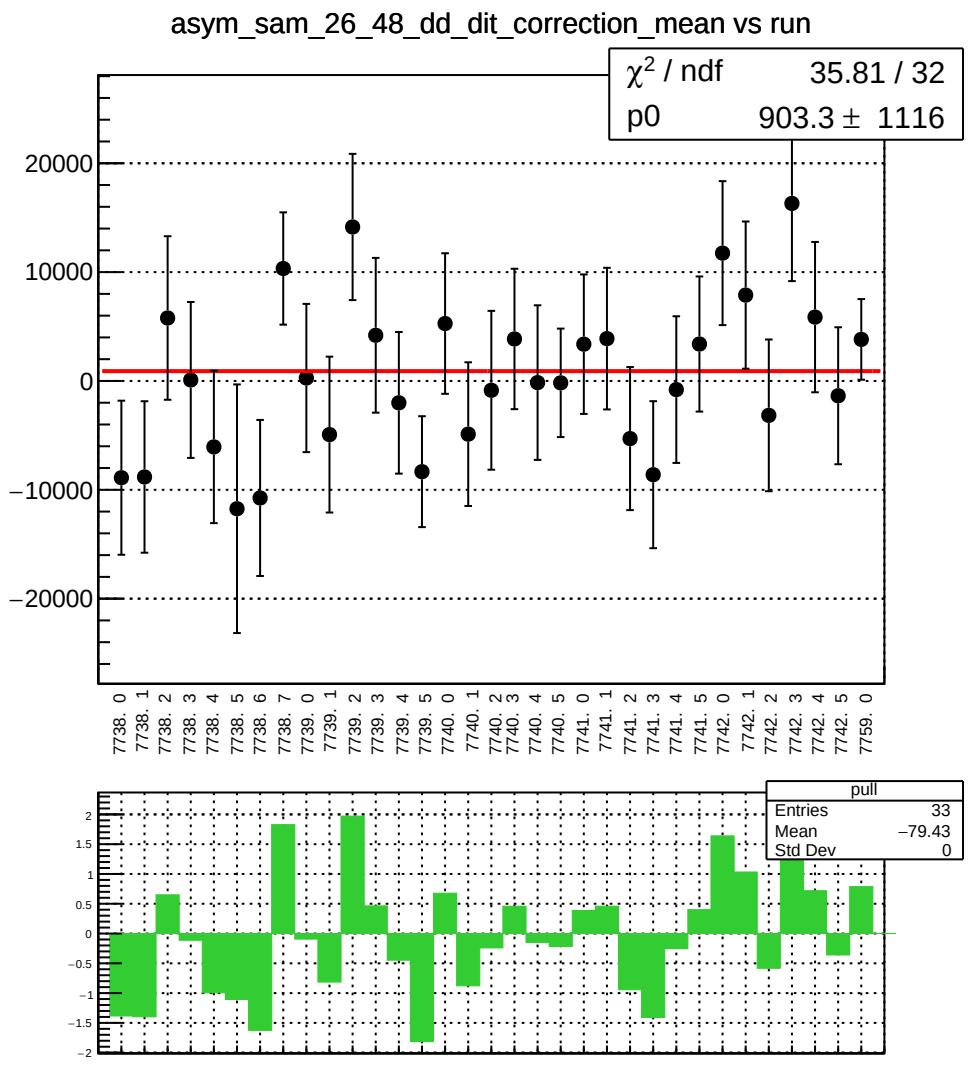

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 33.65 / 32
p0 674 ± 1123
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −152.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01983
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

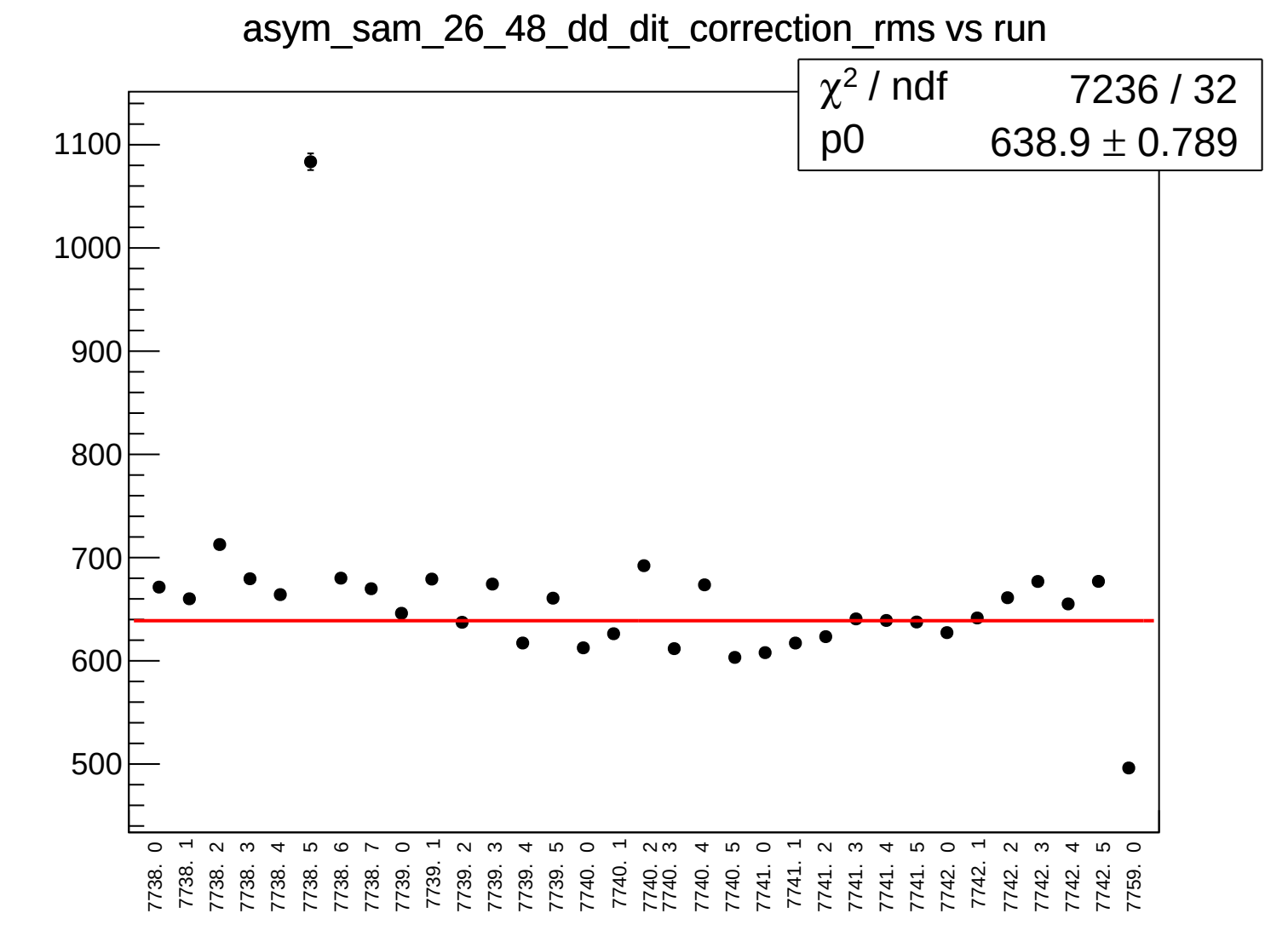

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4226 / 32
p0 644.5 ± 0.7941
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

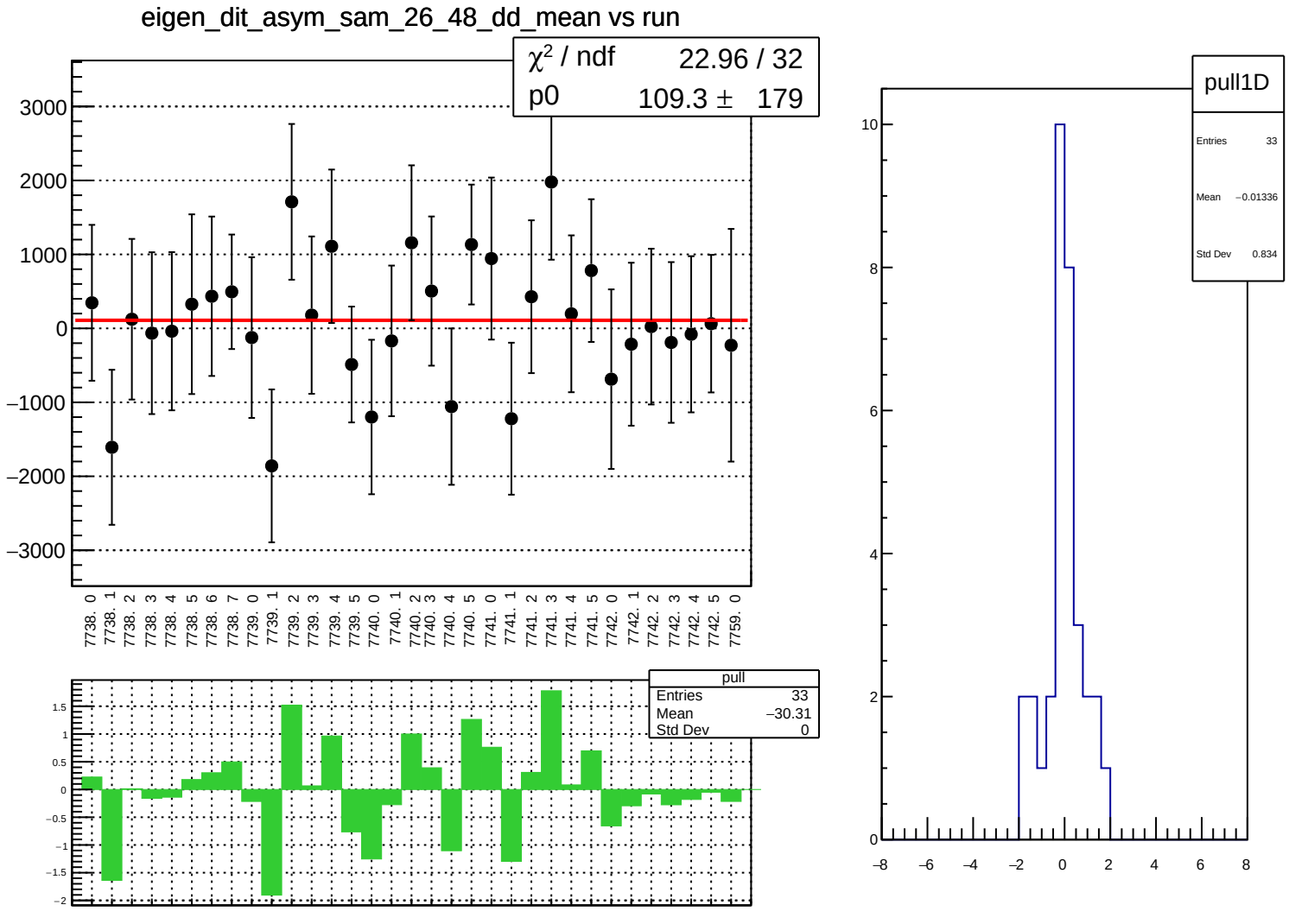

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 22.96 / 32
p0 109.3 ± 179
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

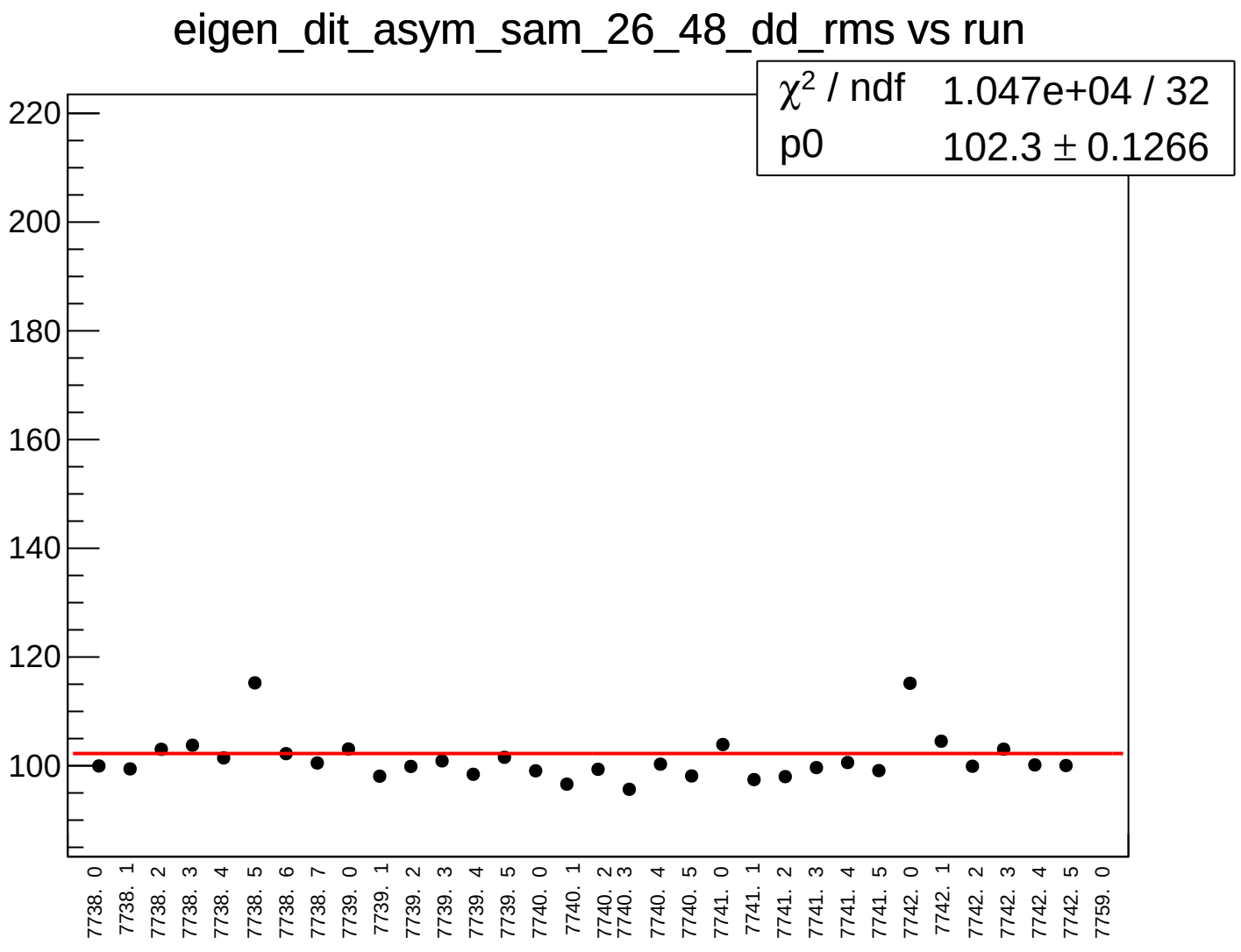

pull1D
Entries 33
Mean −0.01336
Std Dev 0.834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.047e+04 / 32
p0 102.3 ± 0.1266
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

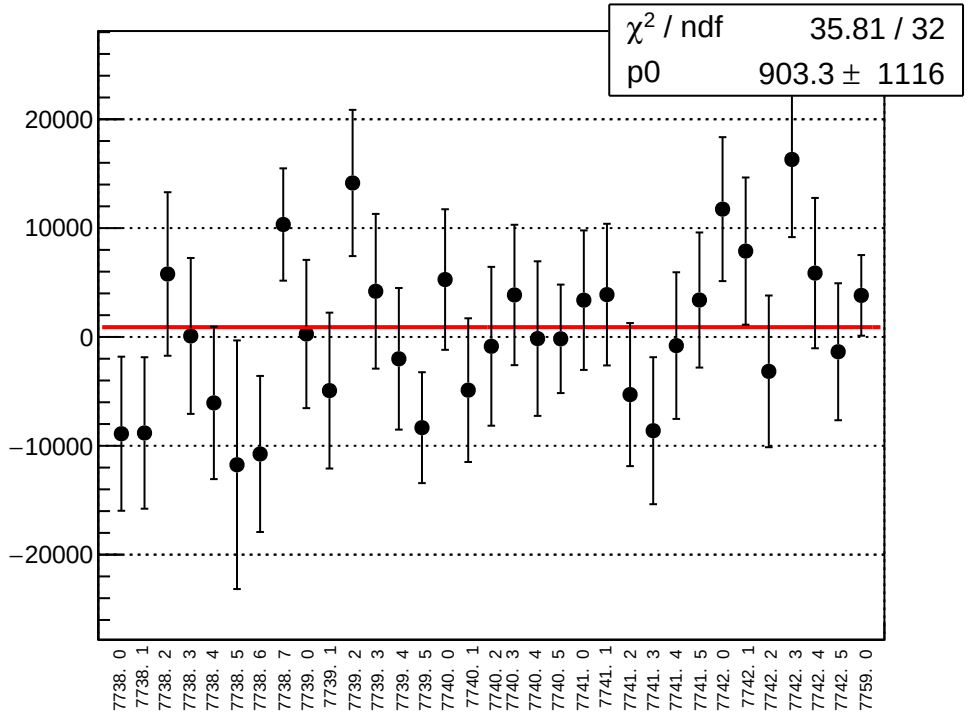

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 35.81 / 32
p0 903.3 ± 1116
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −79.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.036
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

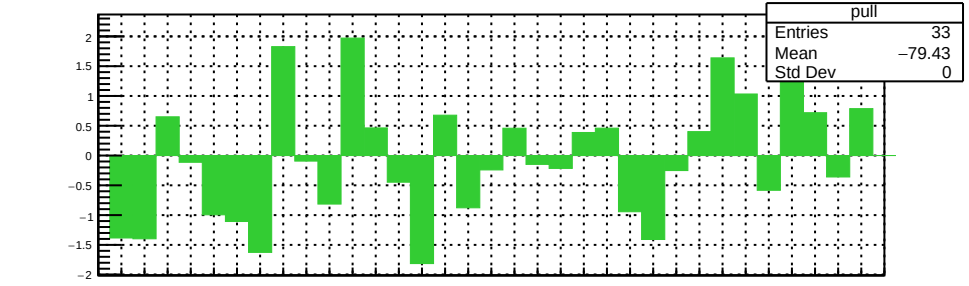

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 7236 / 32
p0 638.9 ± 0.789
1100
1000
900
800
700
600
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

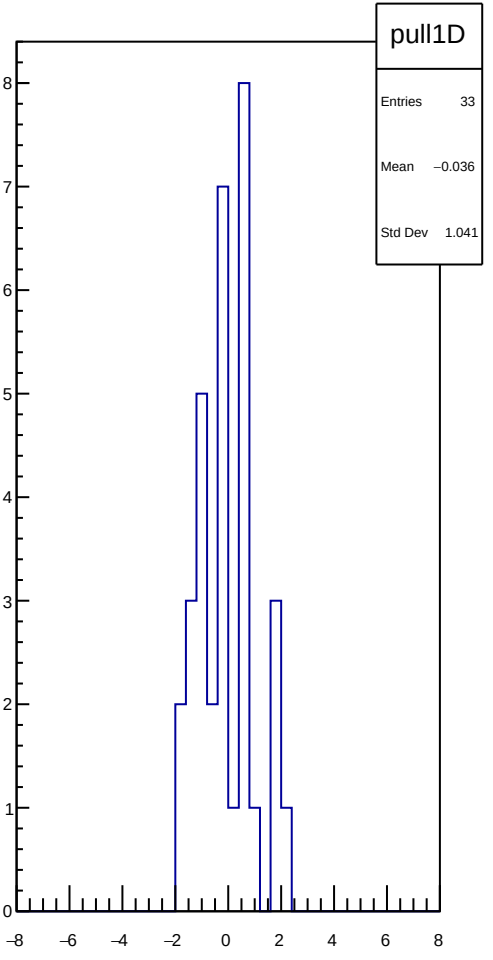

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 22.96 / 32
p0 109.3 ± 179
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −30.31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01336
Std Dev 0.834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

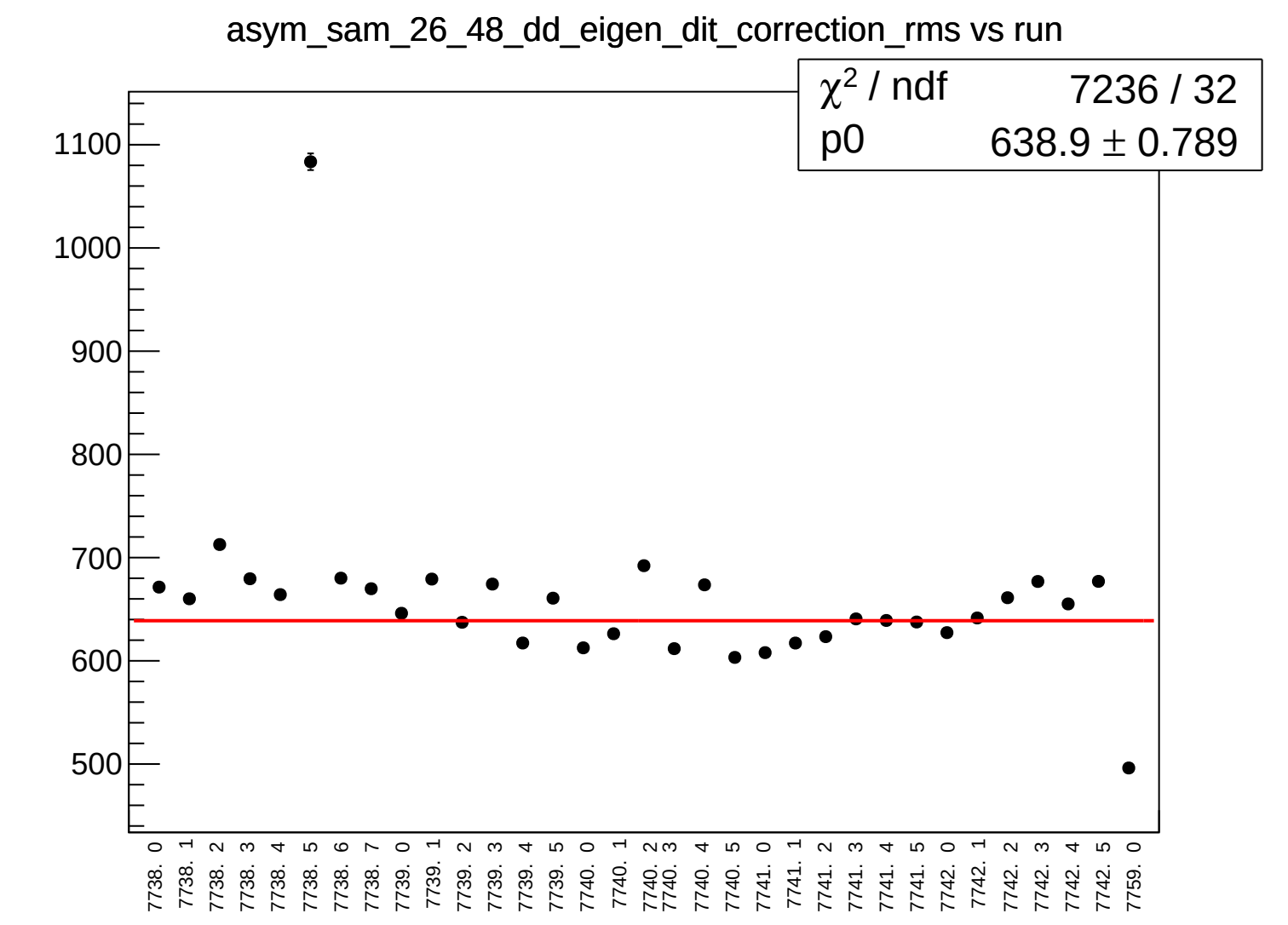

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.047e+04 / 32
p0 102.3 ± 0.1266
220
200
180
160
140
120
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

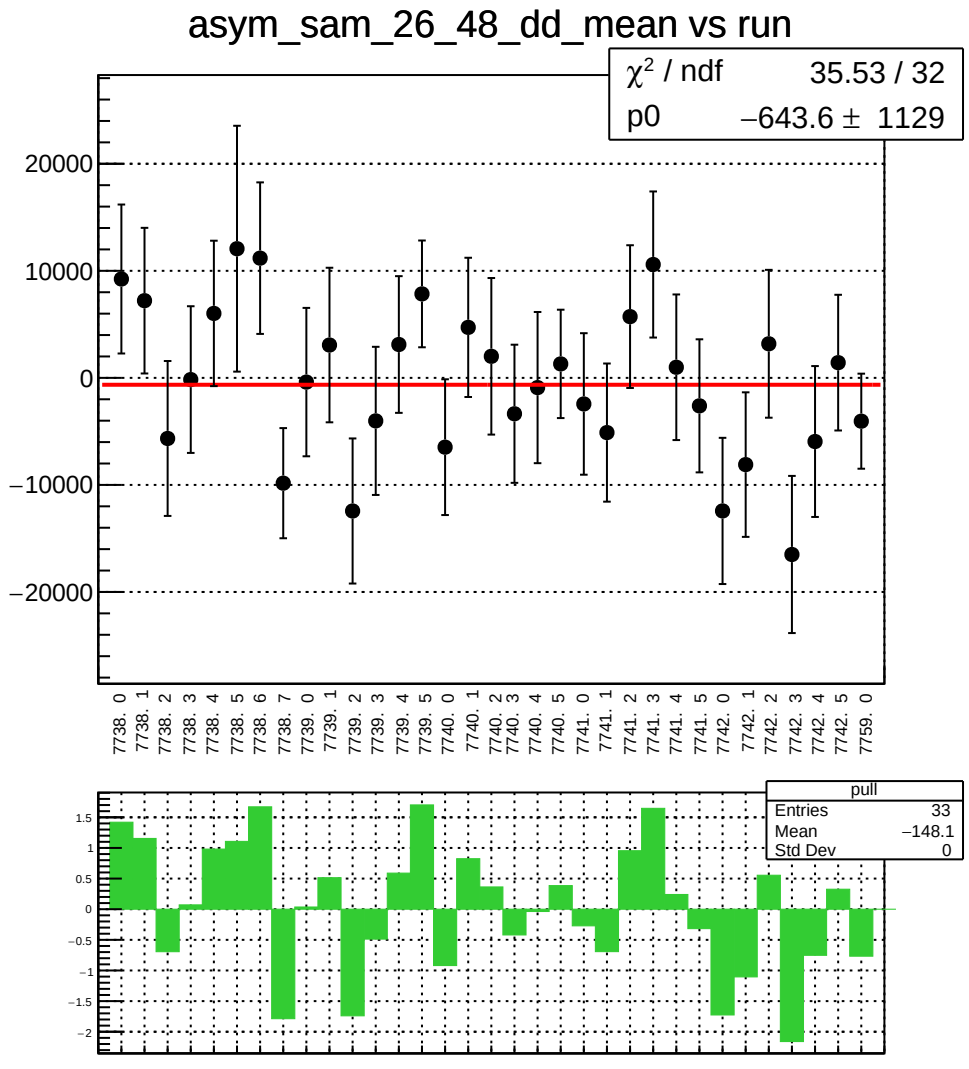
asym_sam_26_48_dd_eigen_dit_correction_mean vs run

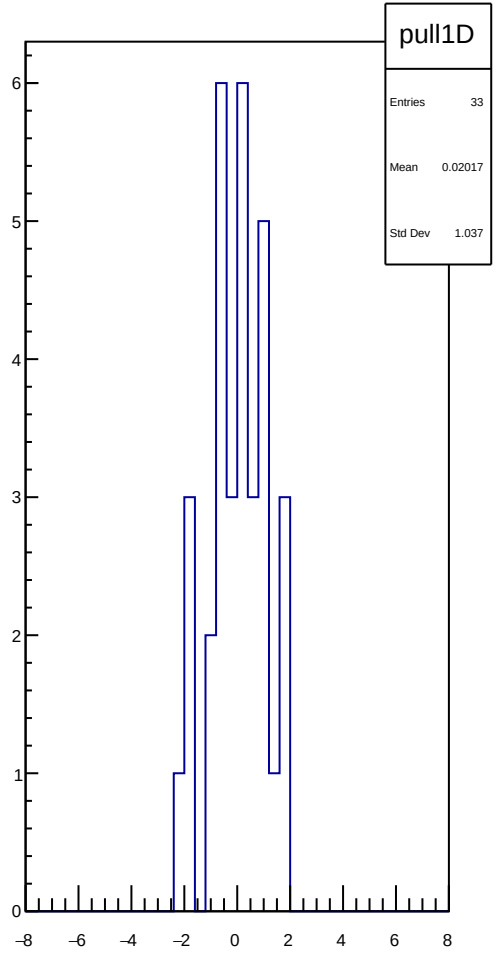


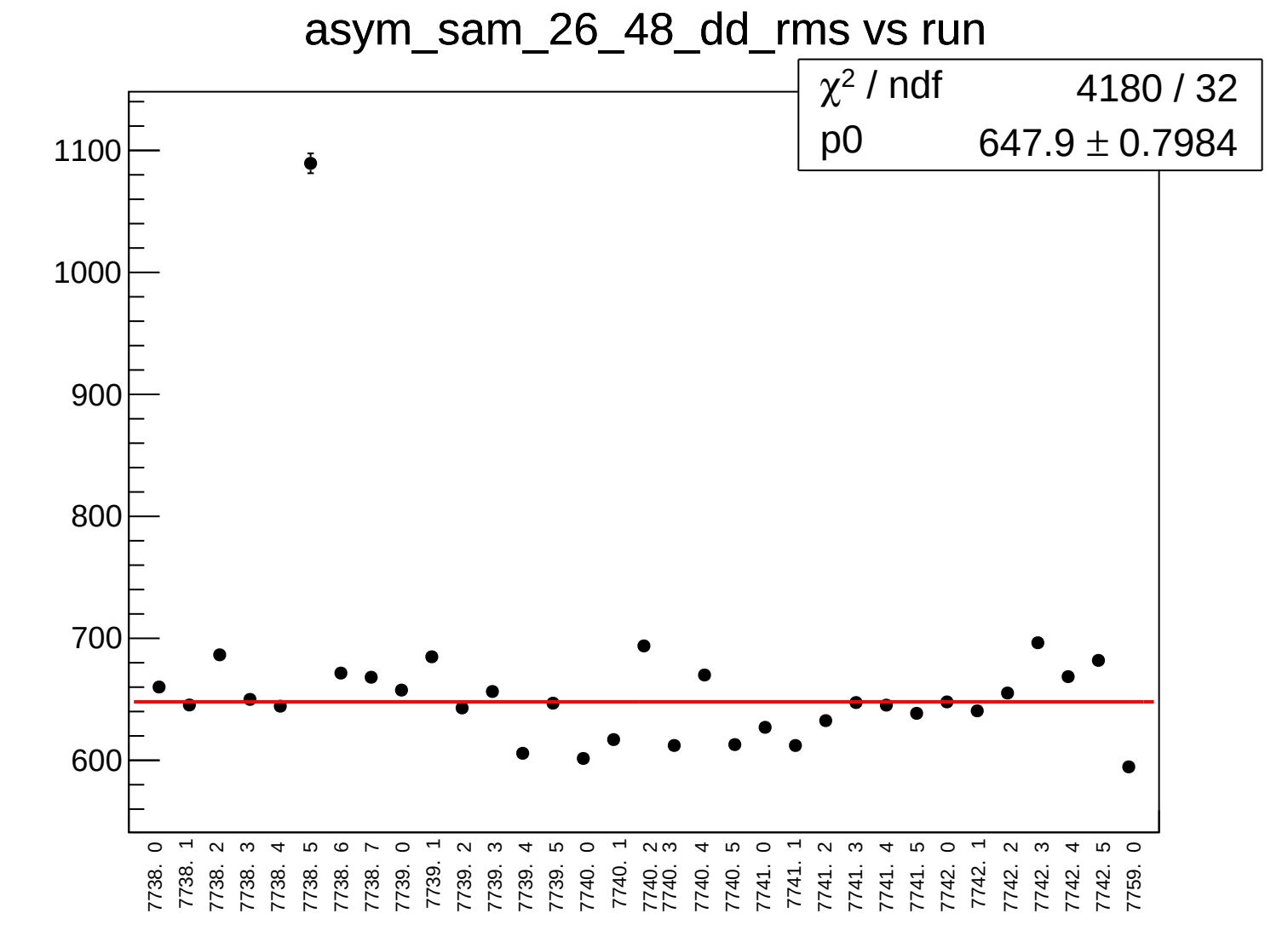


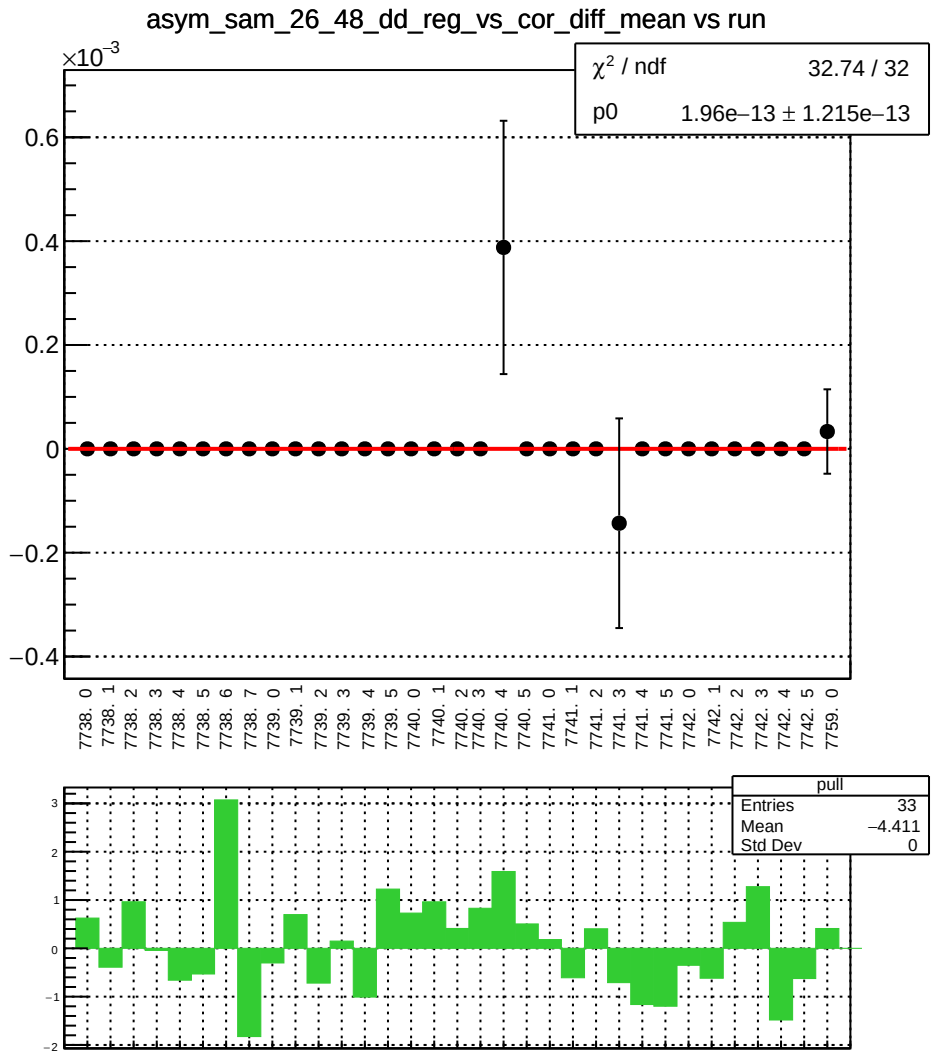


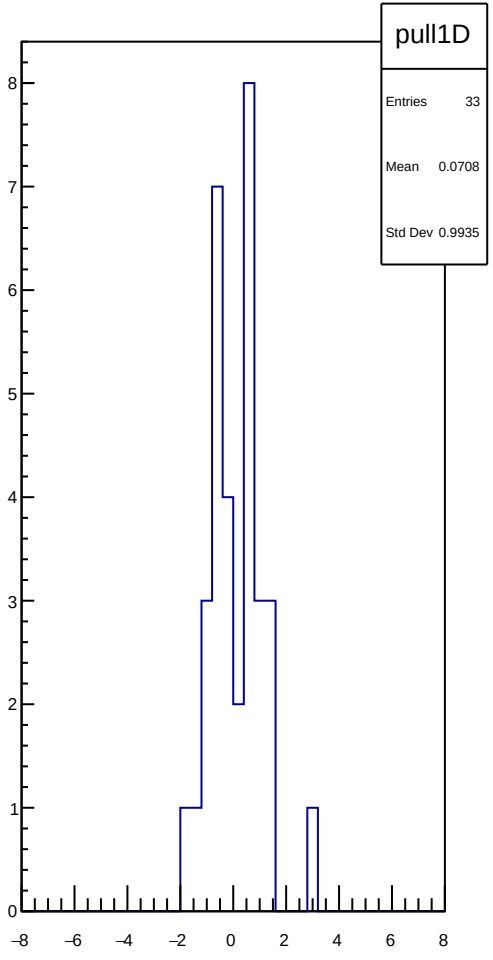

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 7236 / 32
p0 638.9 ± 0.789
1100
1000
900
800
700
600
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

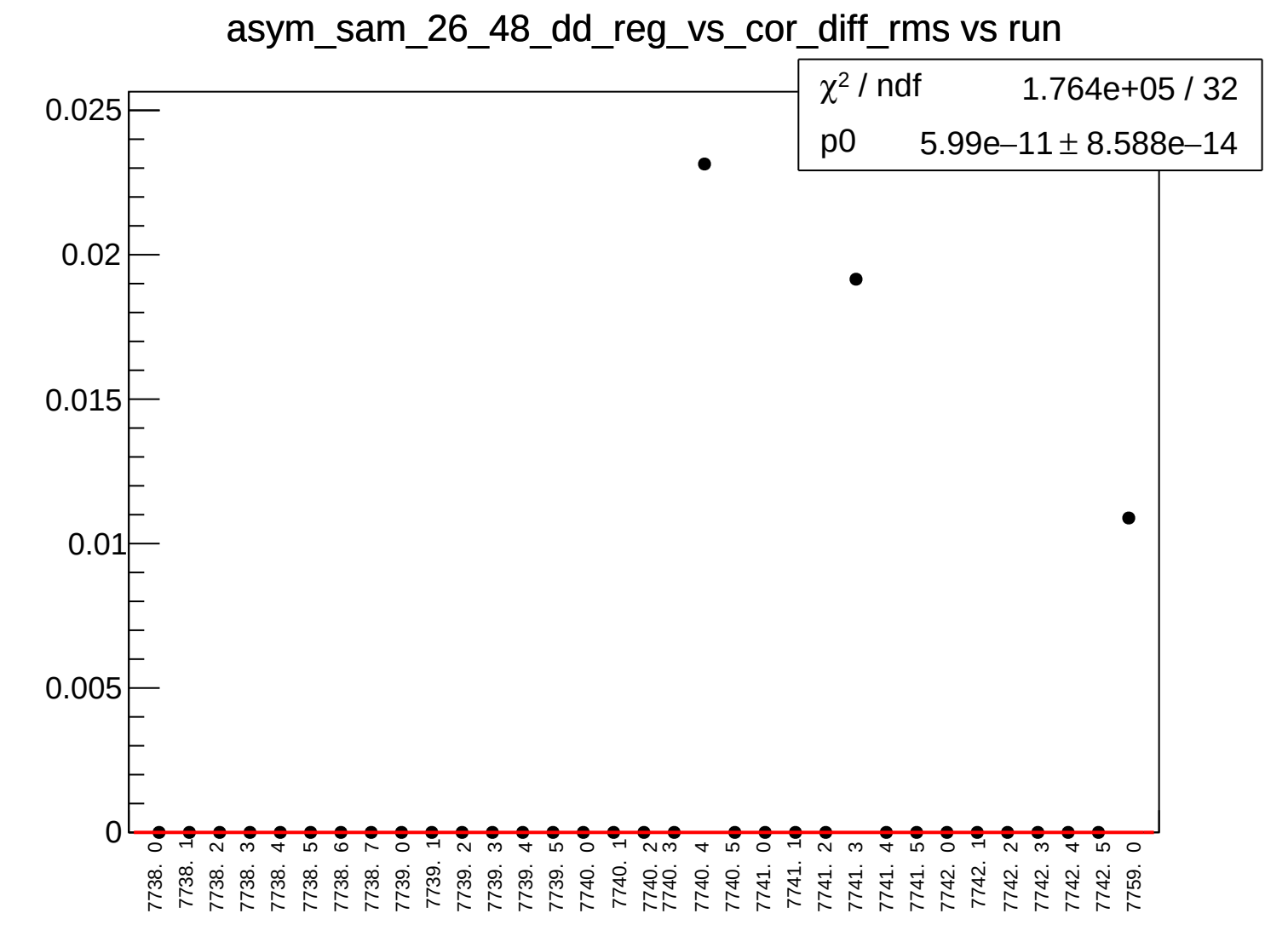

asym_sam_26_48_dd_mean vs run
χ² / ndf 35.53 / 32
p0 −643.6 ± 1129
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −148.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

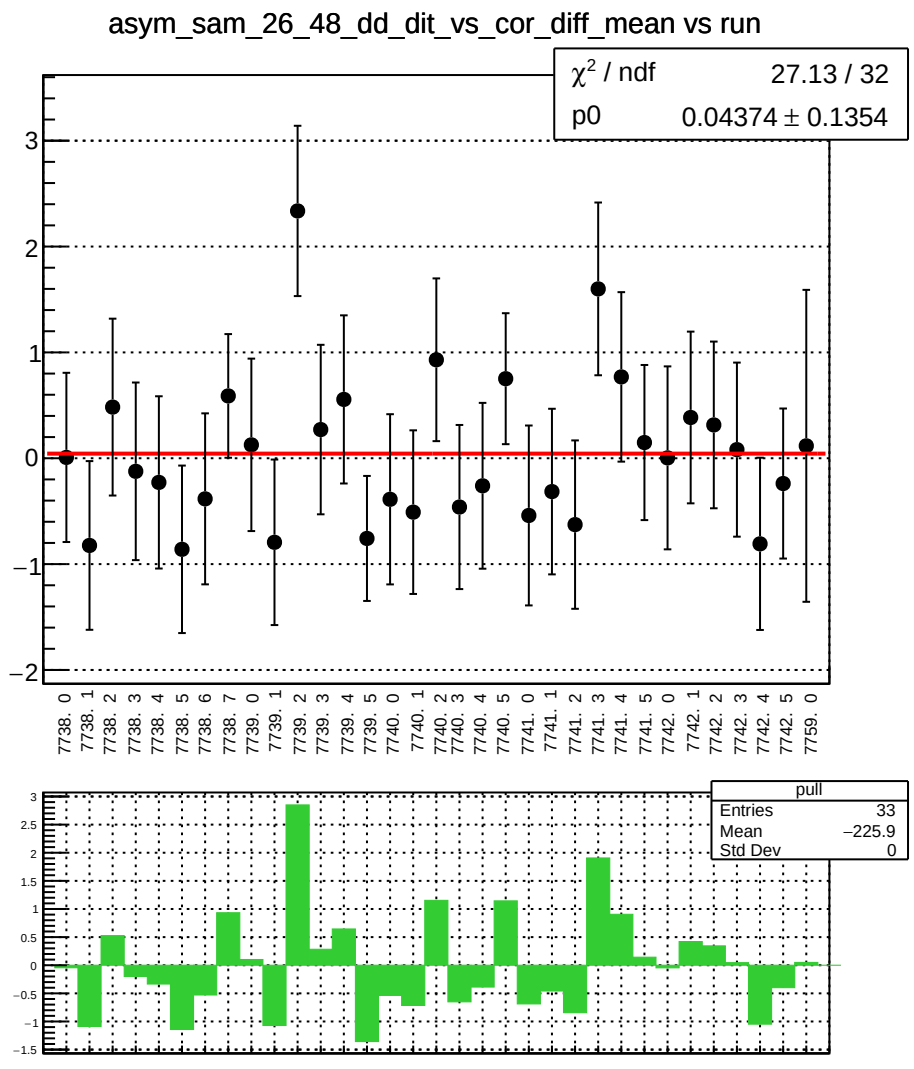

pull1D
Entries 33
Mean 0.02017
Std Dev 1.037
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

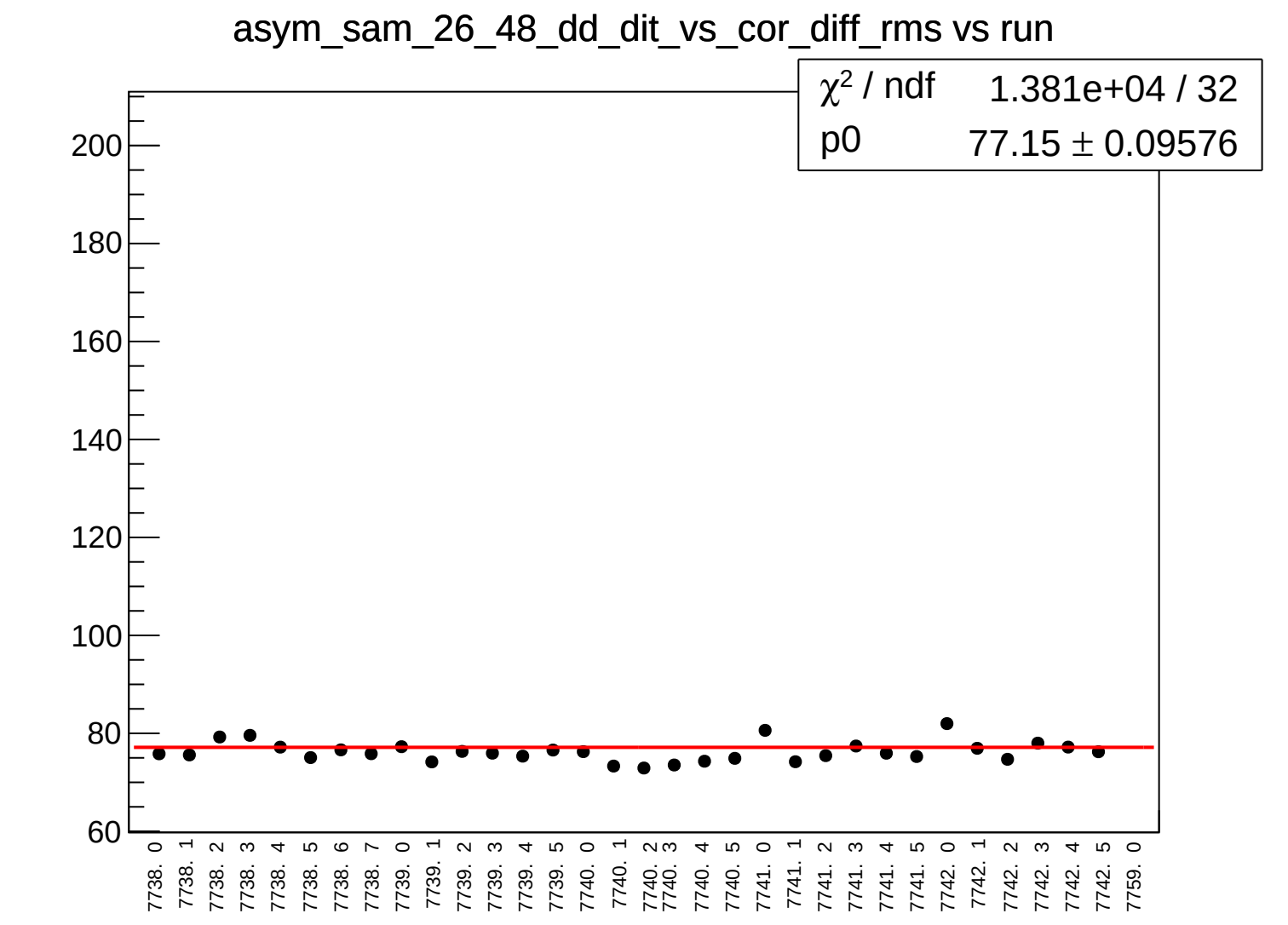

asym_sam_26_48_dd_rms vs run
χ² / ndf 4180 / 32
p0 647.9 ± 0.7984
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

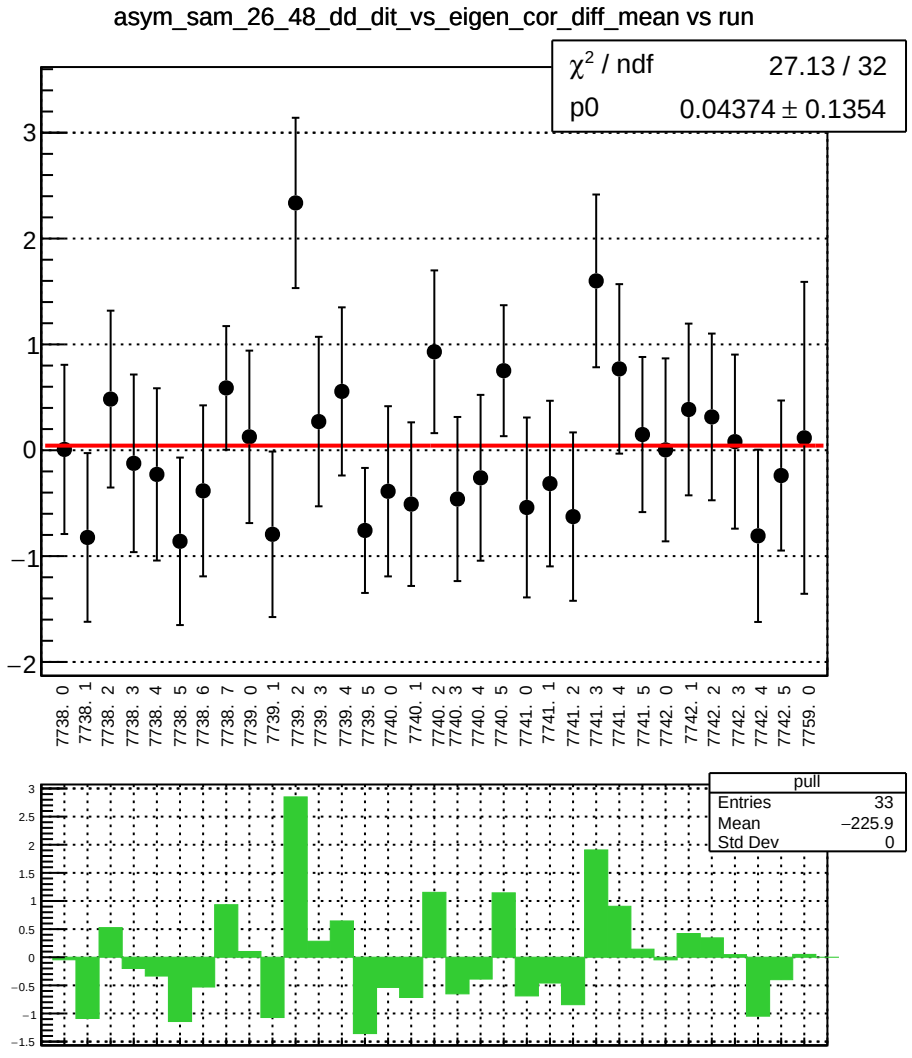

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 32.74 / 32
p0 1.96e−13 ± 1.215e−13
0.6
0.4
0.2
0
−0.2
−0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.411
Std Dev 0
3
2
1
0
−1
−2

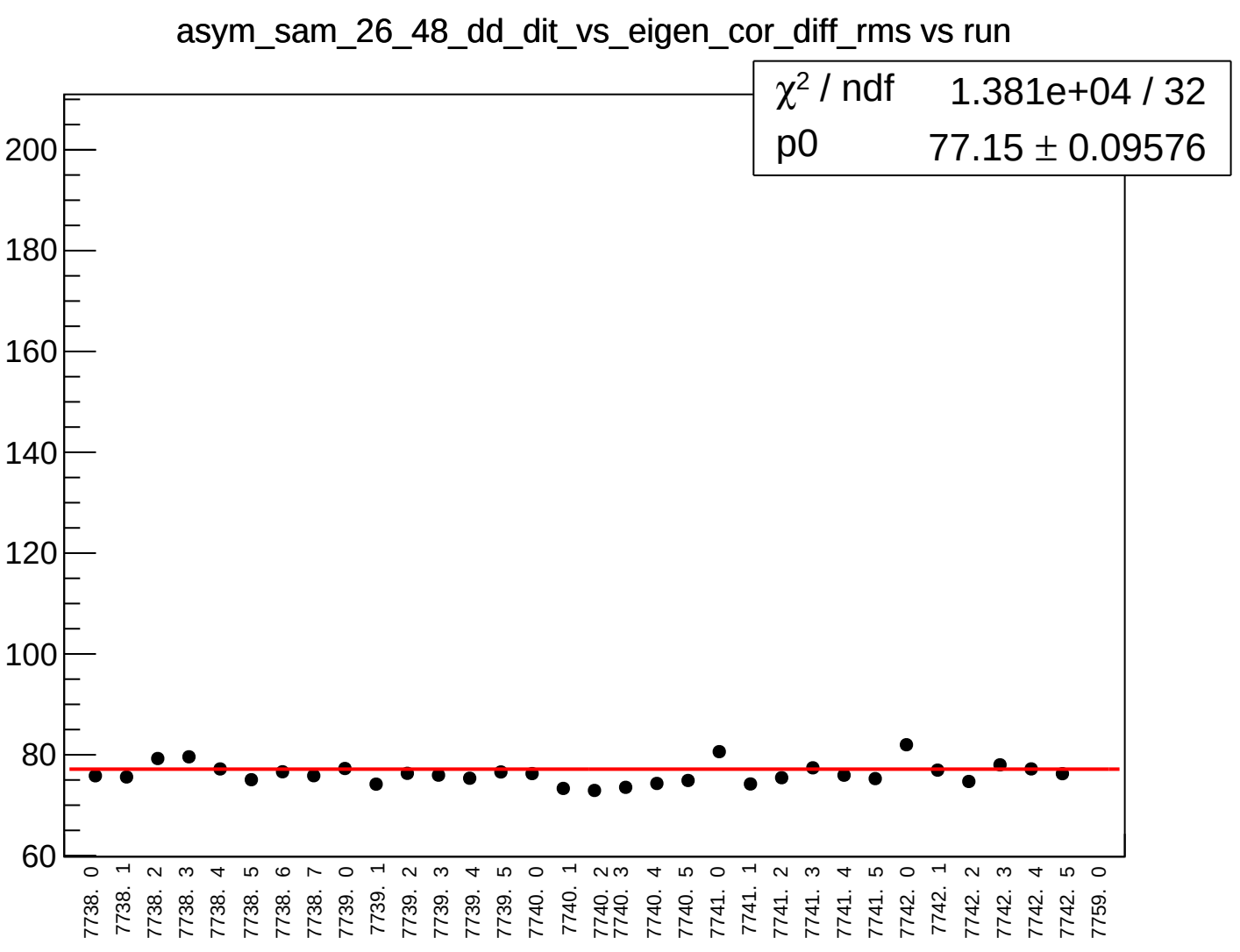

pull1D
Entries 33
Mean 0.0708
Std Dev 0.9935
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

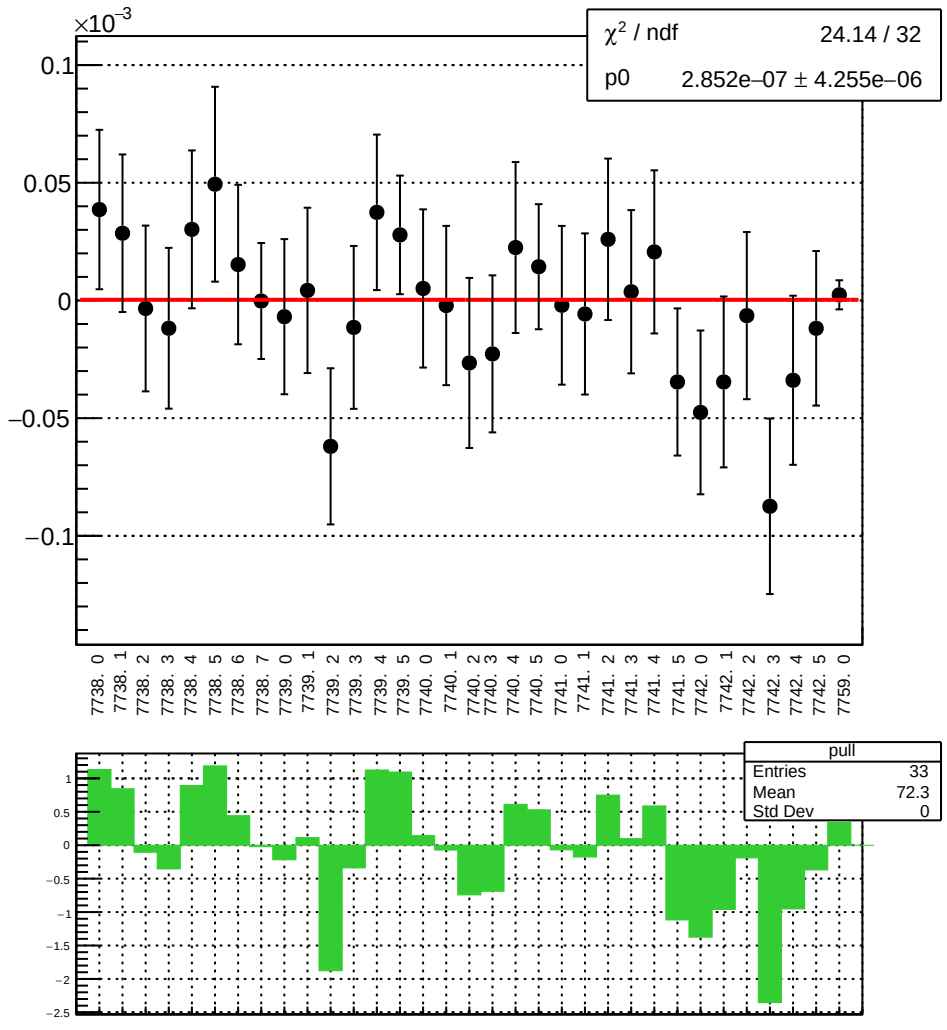

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.764e+05 / 32
p0 5.99e−11 ± 8.588e−14
0.025
0.02
0.015
0.01
0.005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

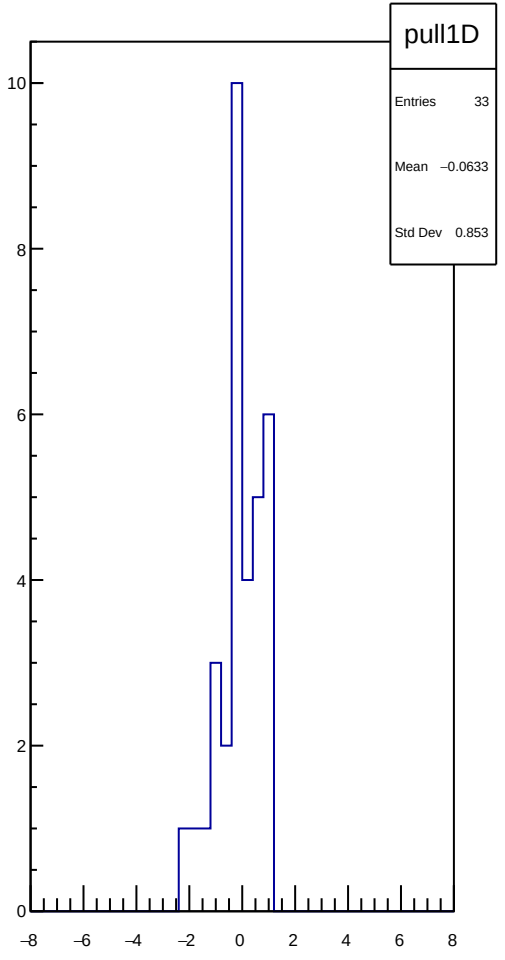

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 27.13 / 32
p0 0.04374 ± 0.1354
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −225.9
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.002503
Std Dev 0.9068
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

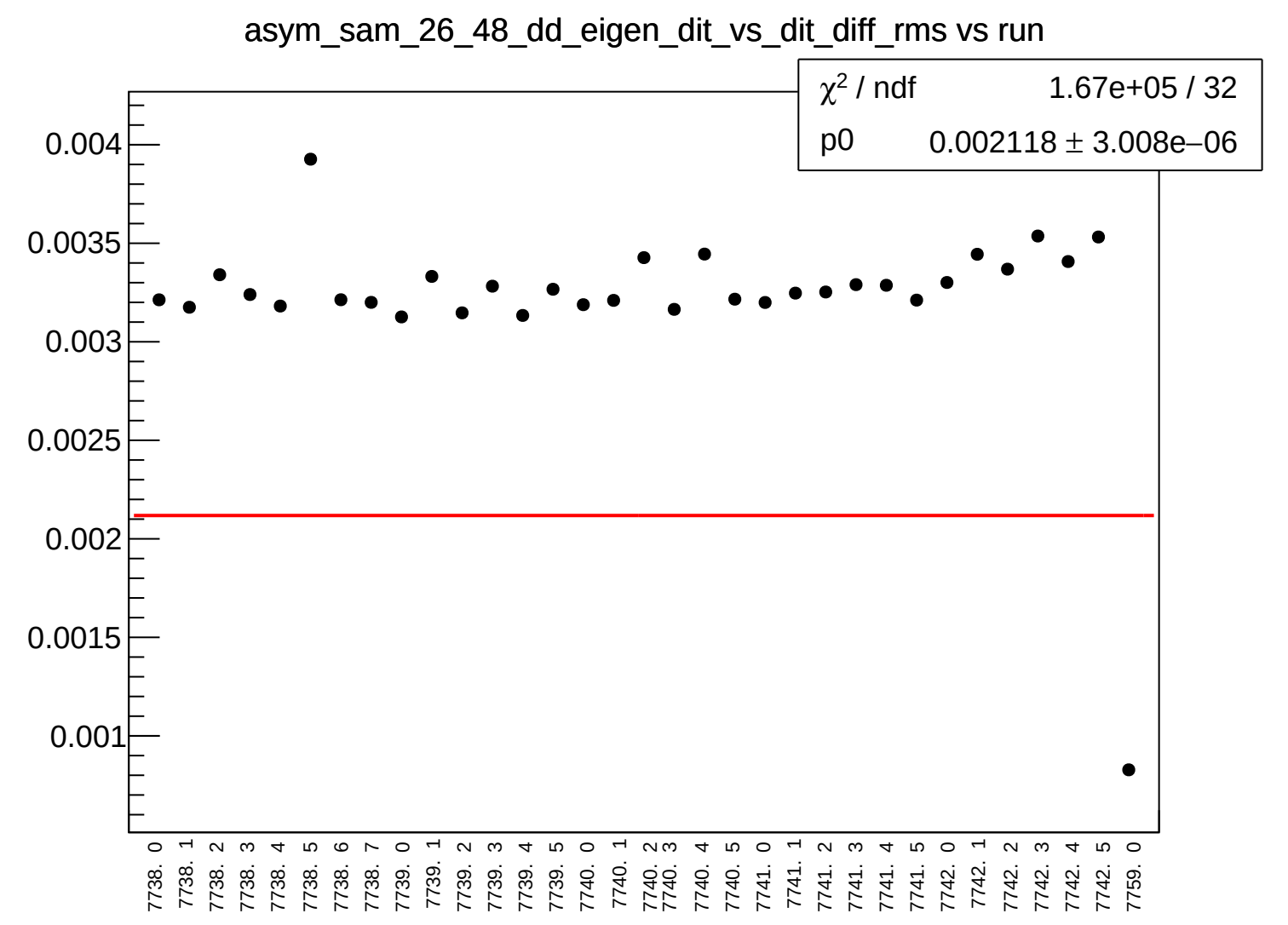

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.381e+04 / 32
p0 77.15 ± 0.09576
200
180
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

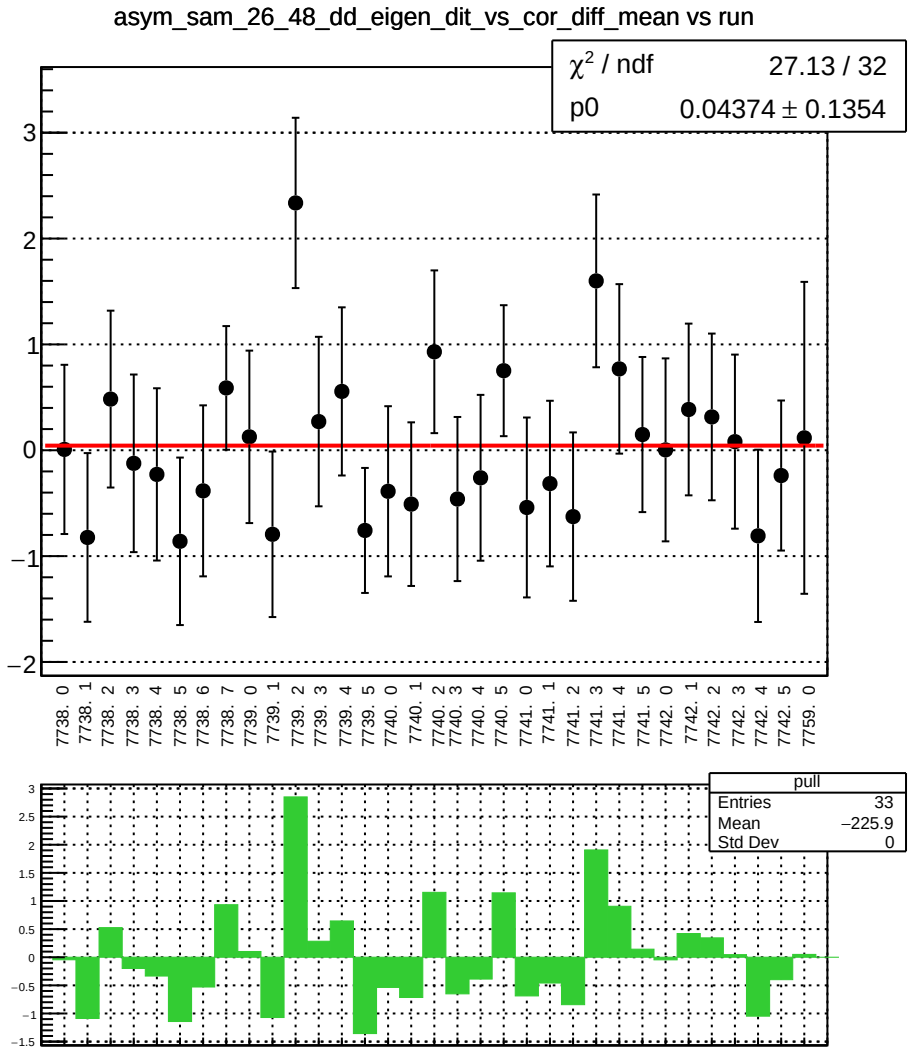

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.13 / 32
p0 0.04374 ± 0.1354
pull
Entries 33
Mean −225.9
Std Dev 0
pull1D
Entries 33
Mean −0.002503
Std Dev 0.9068

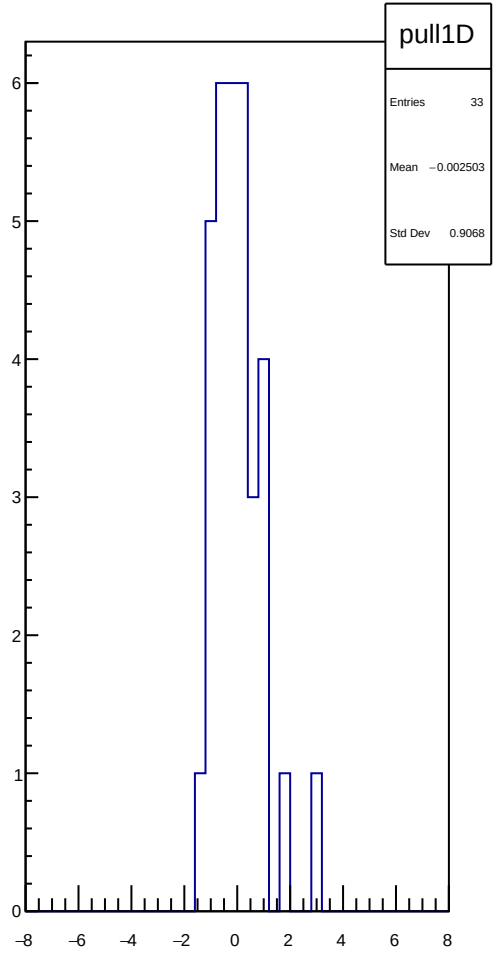

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.381e+04 / 32
p0 77.15 ± 0.09576
200
180
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

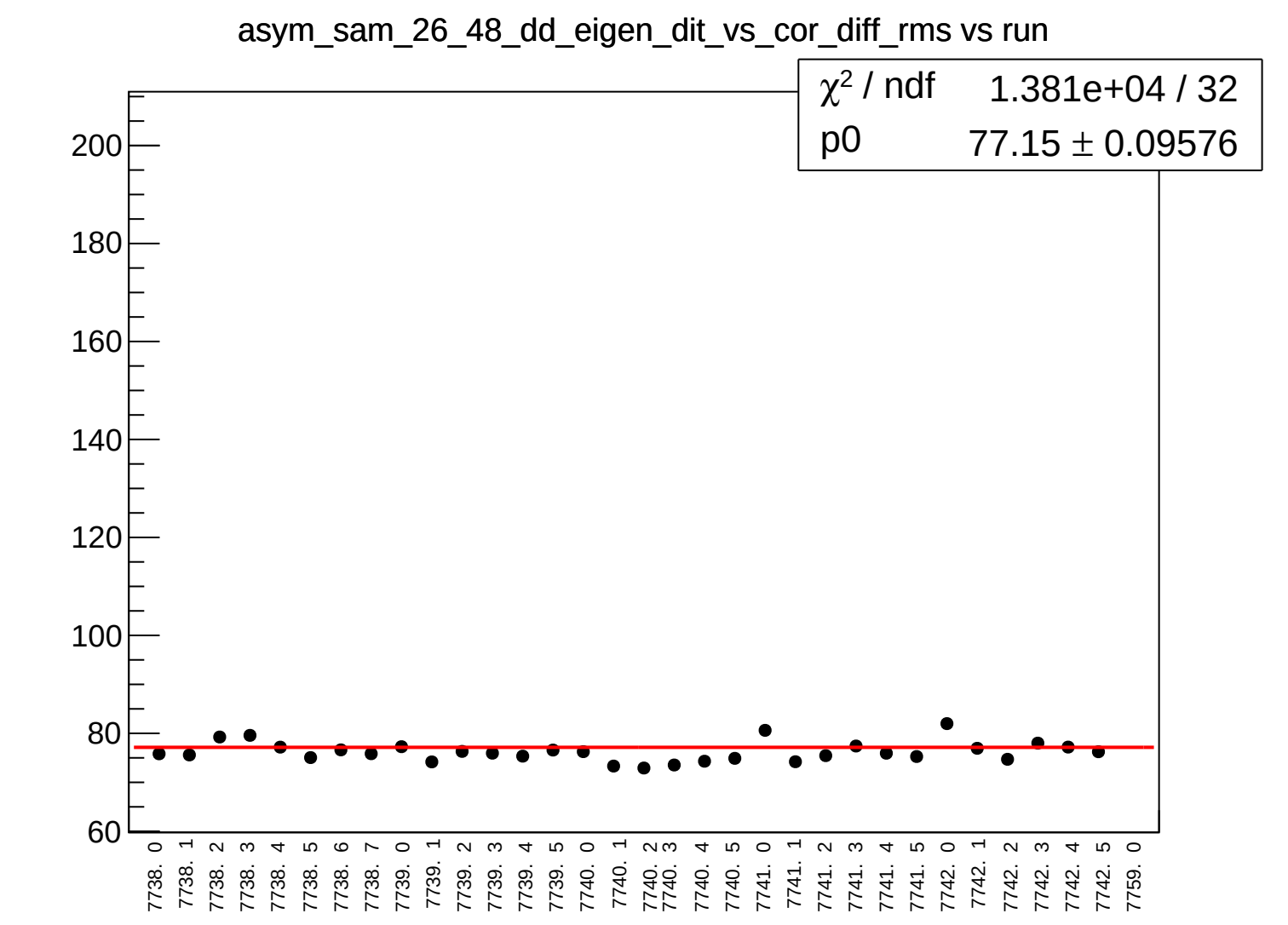

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 24.14 / 32
p0 2.852e−07 ± 4.255e−06
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 72.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

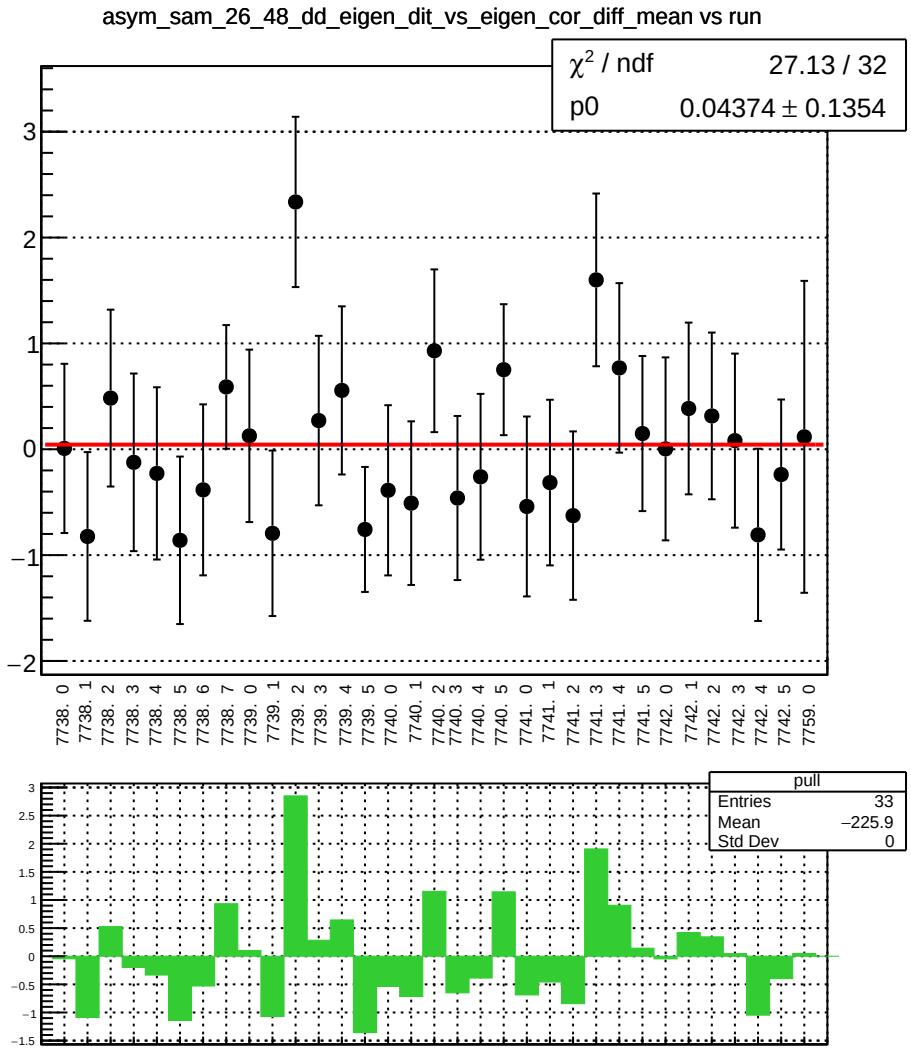

pull1D
Entries 33
Mean −0.0633
Std Dev 0.853
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

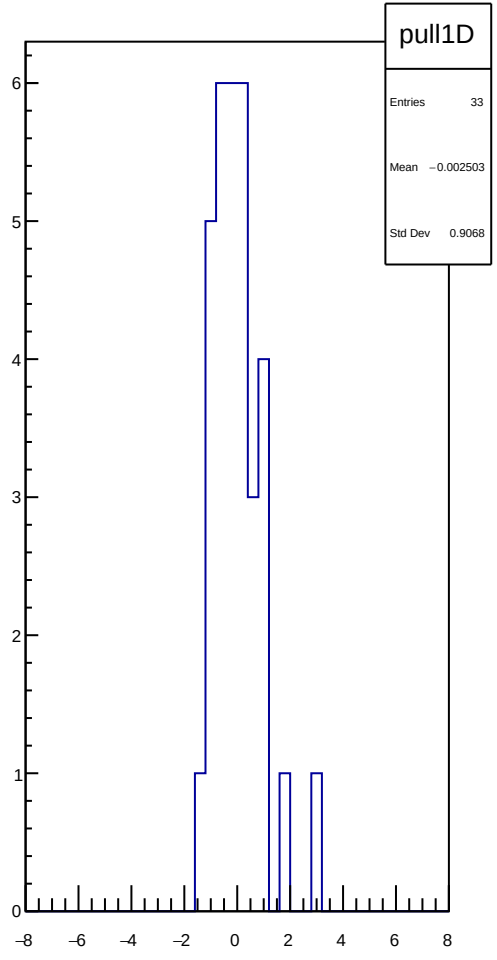

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.67e+05 / 32
p0 0.002118 ± 3.008e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

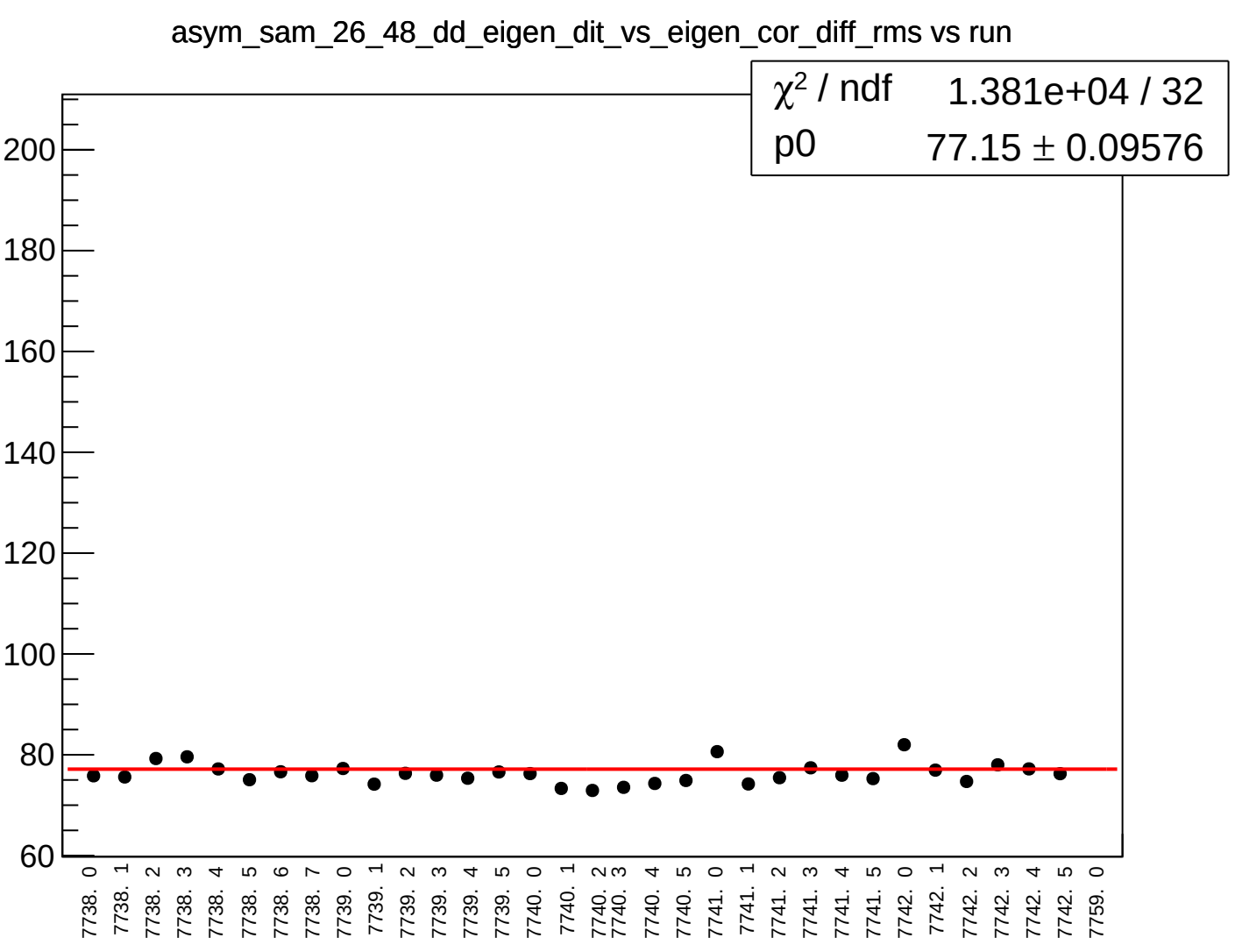

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.13 / 32
p0 0.04374 ± 0.1354
pull
Entries 33
Mean −225.9
Std Dev 0

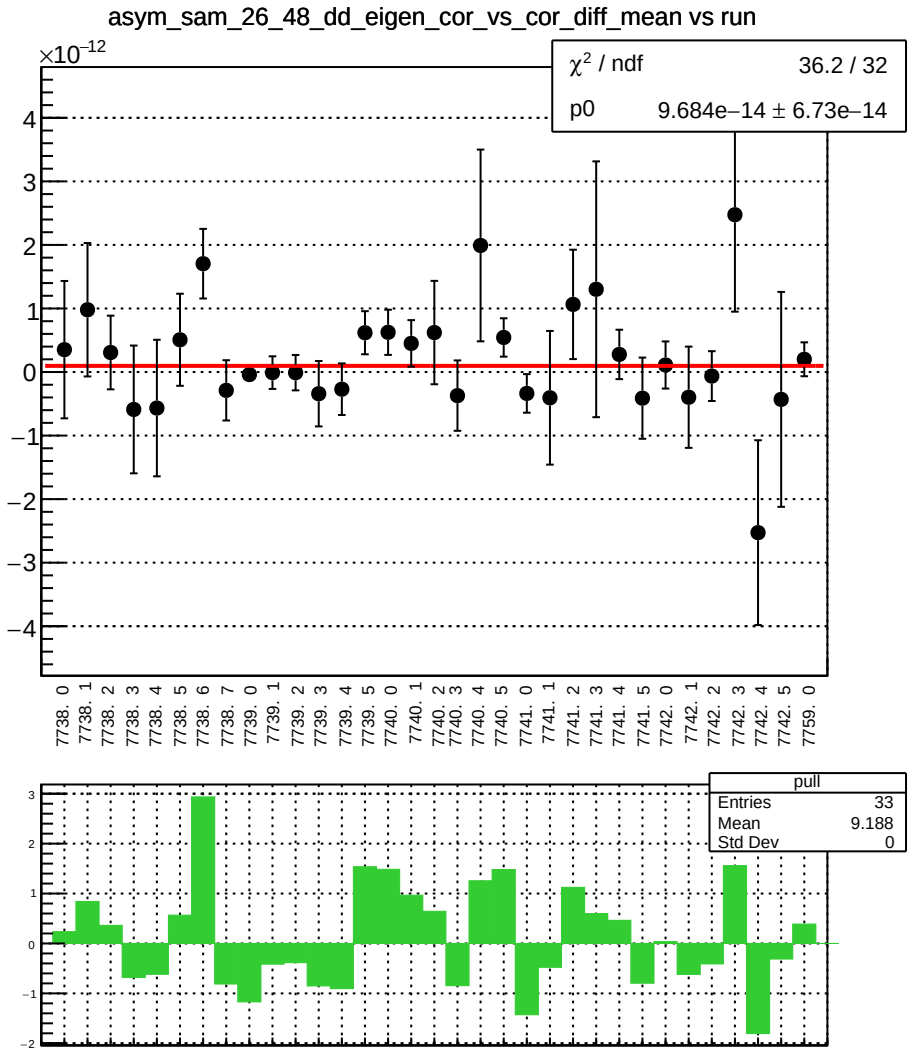

pull1D
Entries 33
Mean −0.002503
Std Dev 0.9068

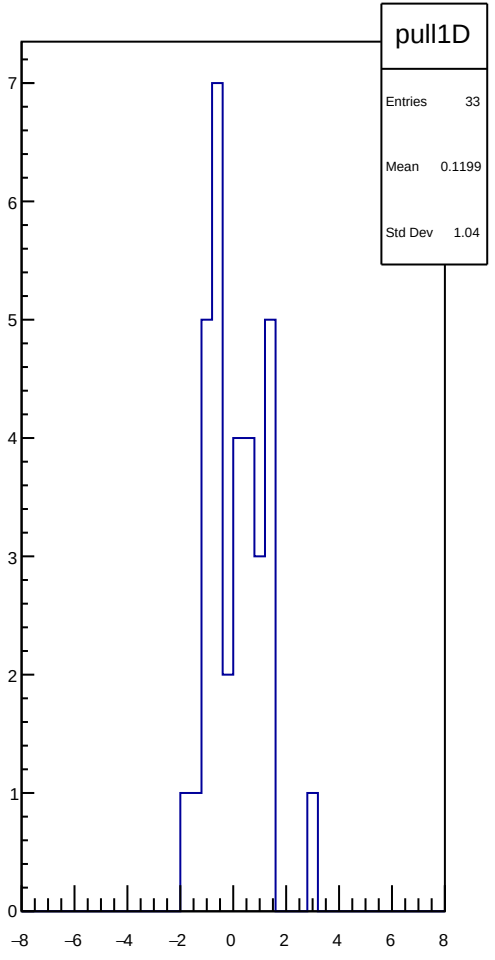

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.381e+04 / 32
p0 77.15 ± 0.09576
200
180
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

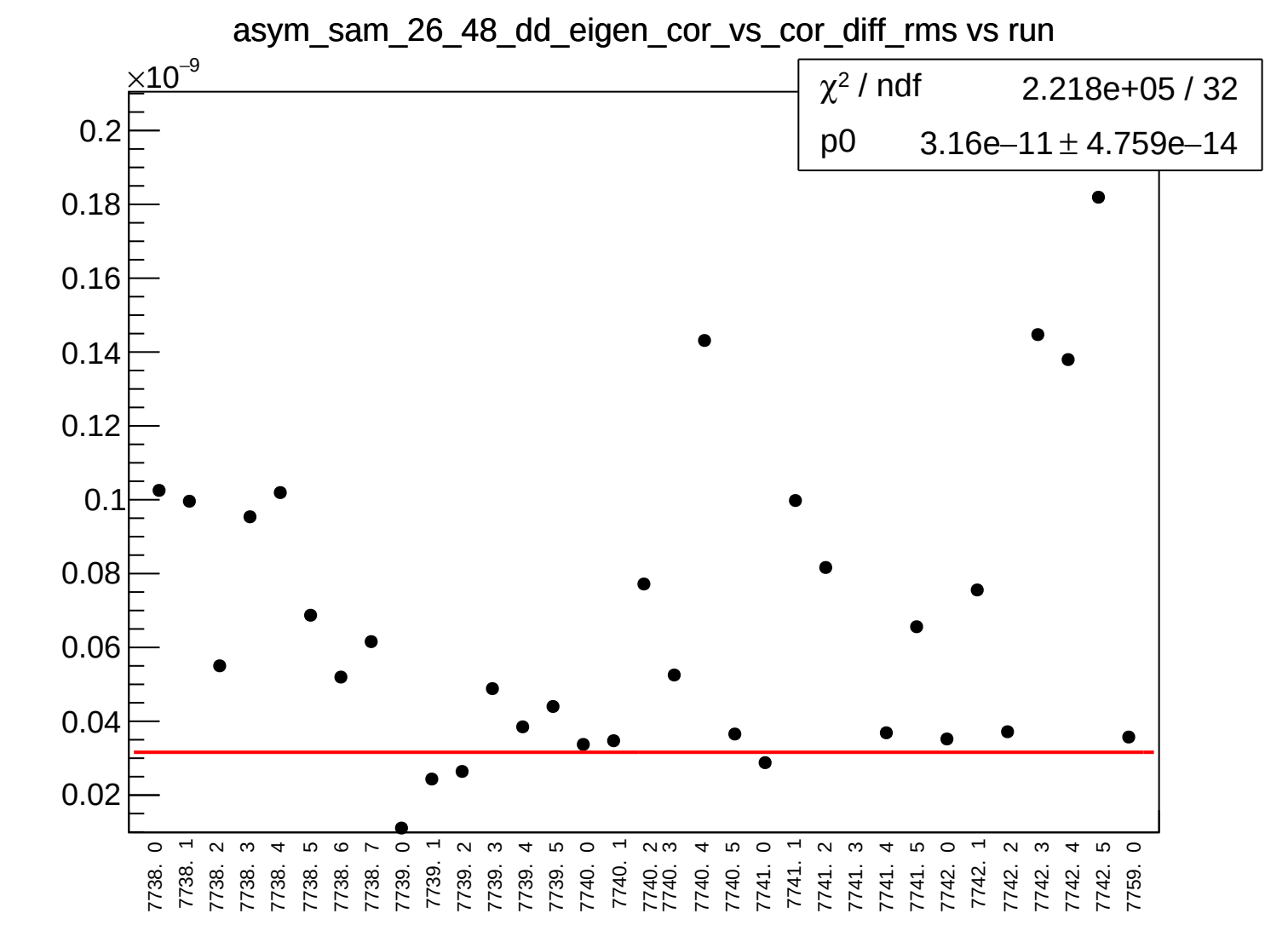

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.13 / 32
p0 0.04374 ± 0.1354
pull
Entries 33
Mean −225.9
Std Dev 0

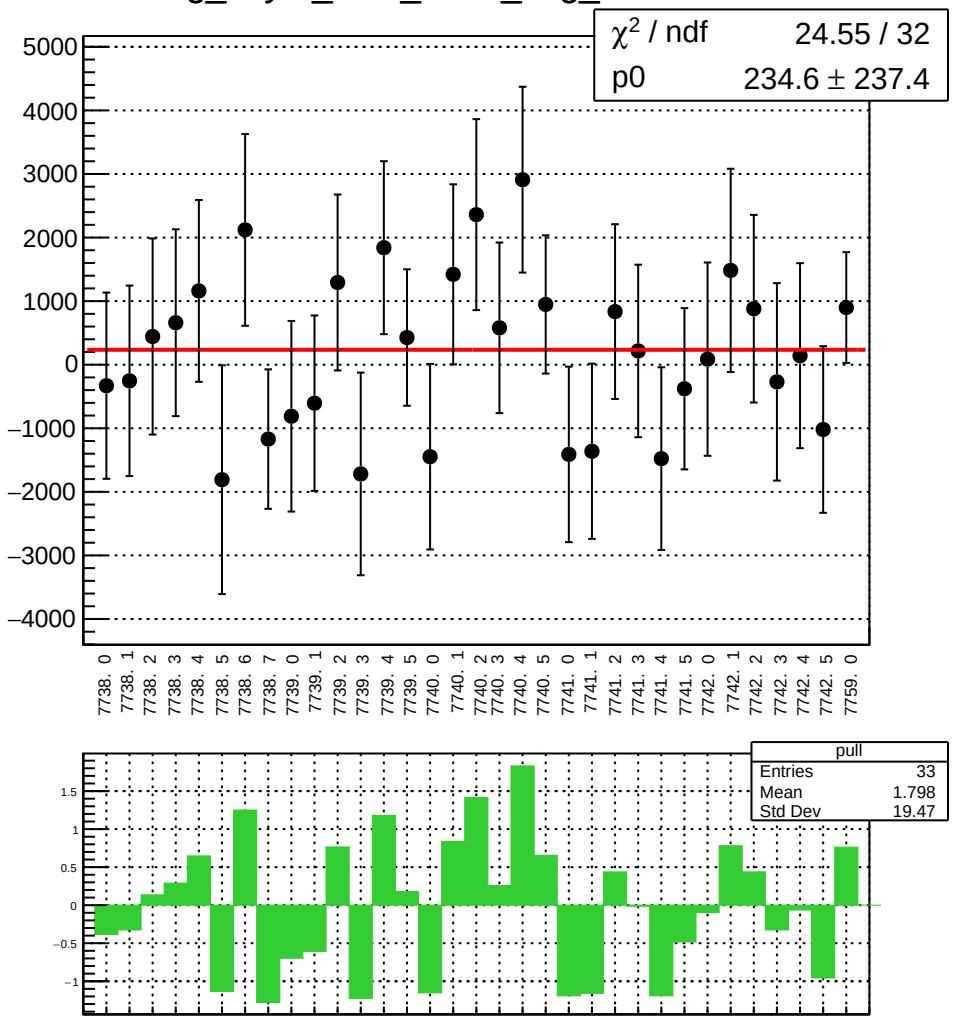

pull1D
Entries 33
Mean −0.002503
Std Dev 0.9068

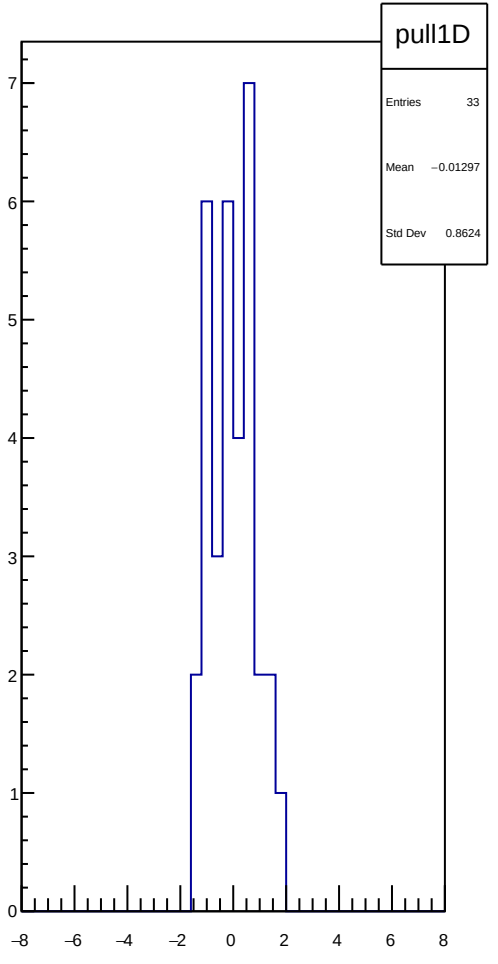

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.381e+04 / 32
p0 77.15 ± 0.09576
200
180
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

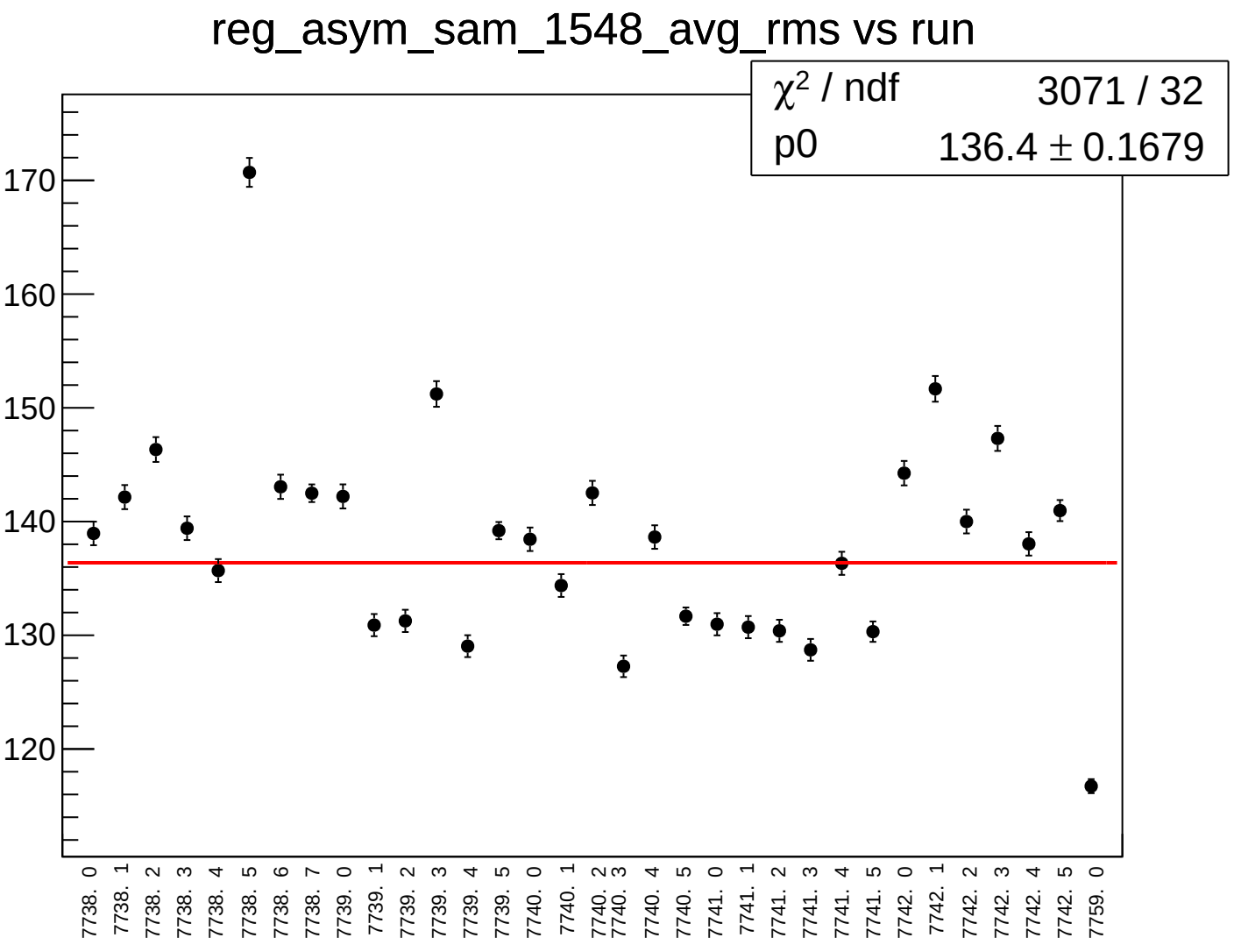

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 36.2 / 32
p0 9.684e−14 ± 6.73e−14
4
3
2
1
0
−1
−2
−3
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.188
Std Dev 0
3
2
1
0
−1
−2

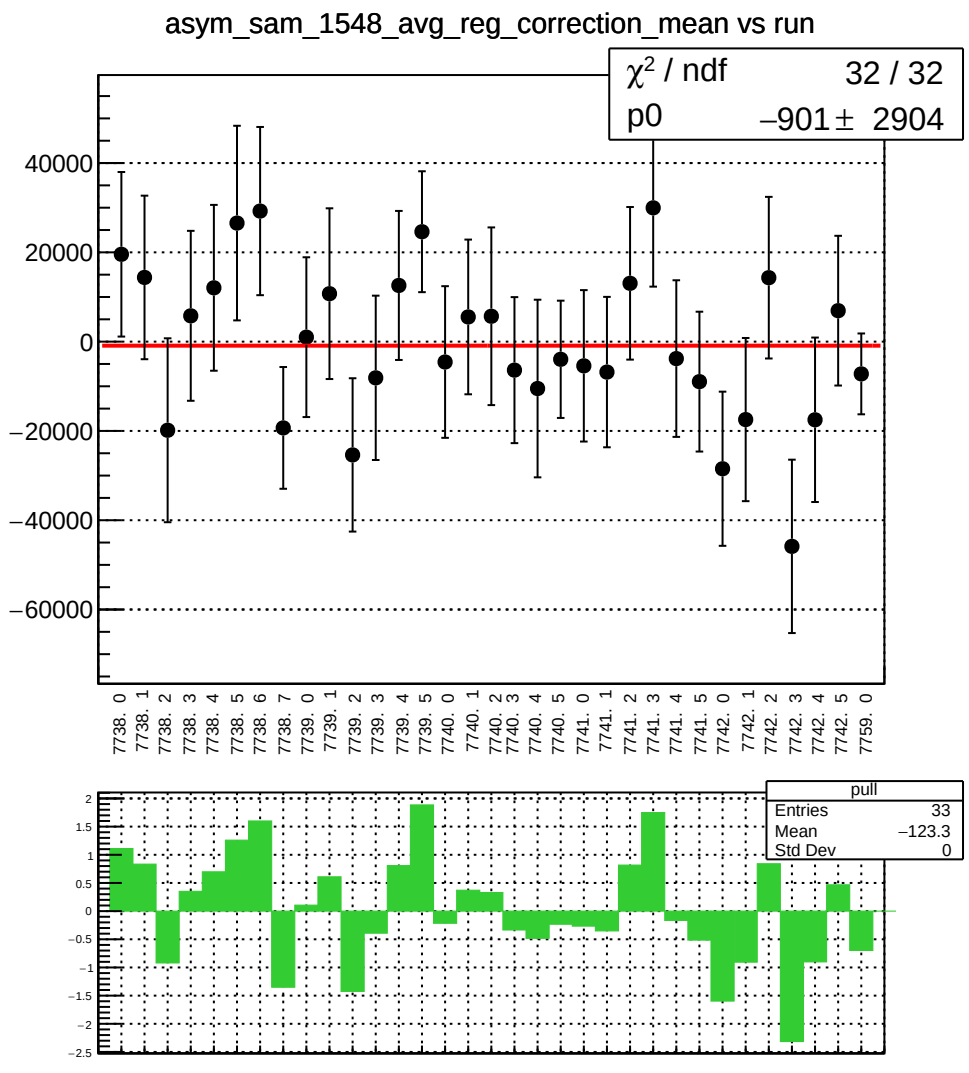

pull1D
Entries 33
Mean 0.1199
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

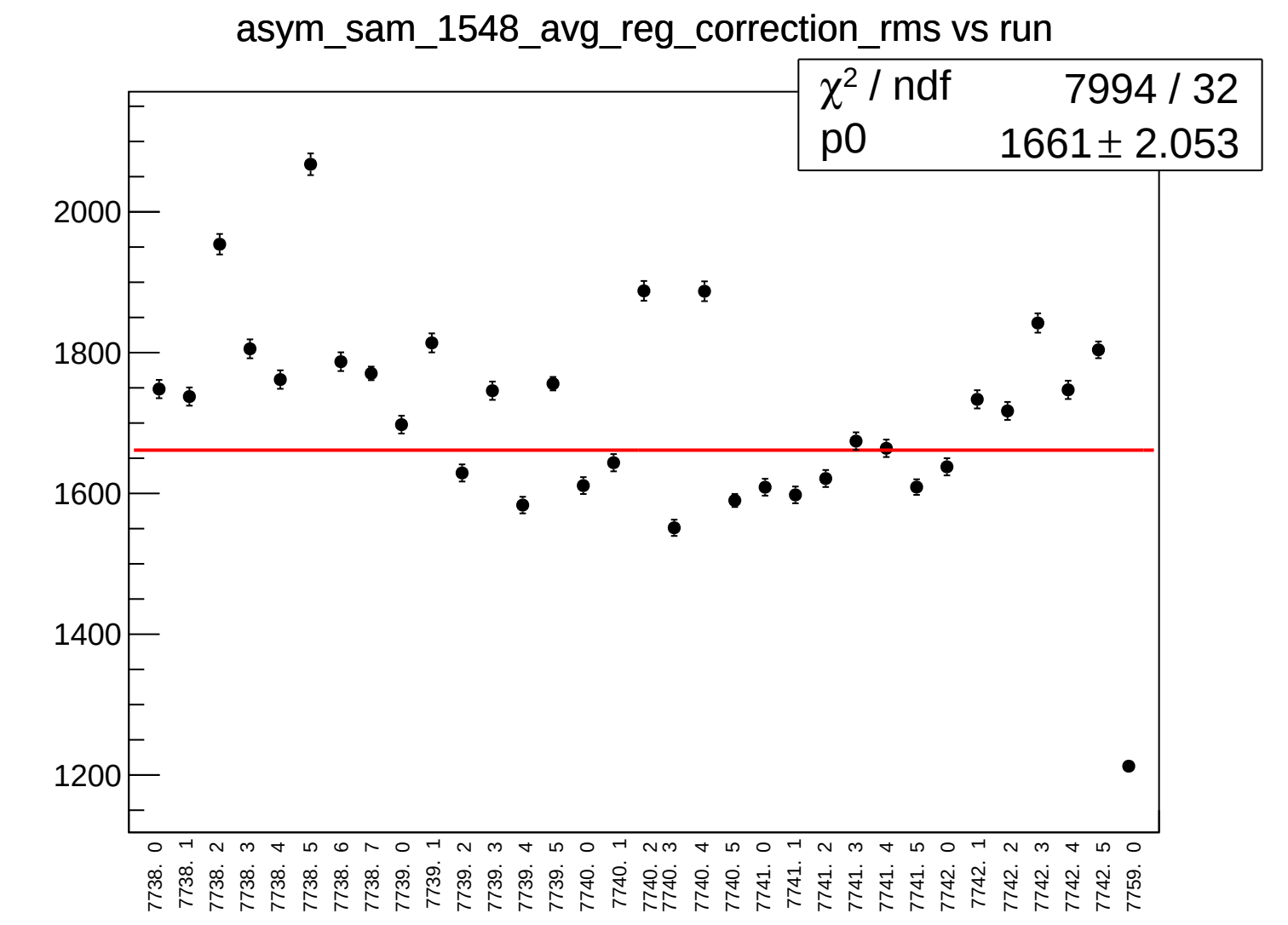

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.218e+05 / 32
p0 3.16e−11 ± 4.759e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

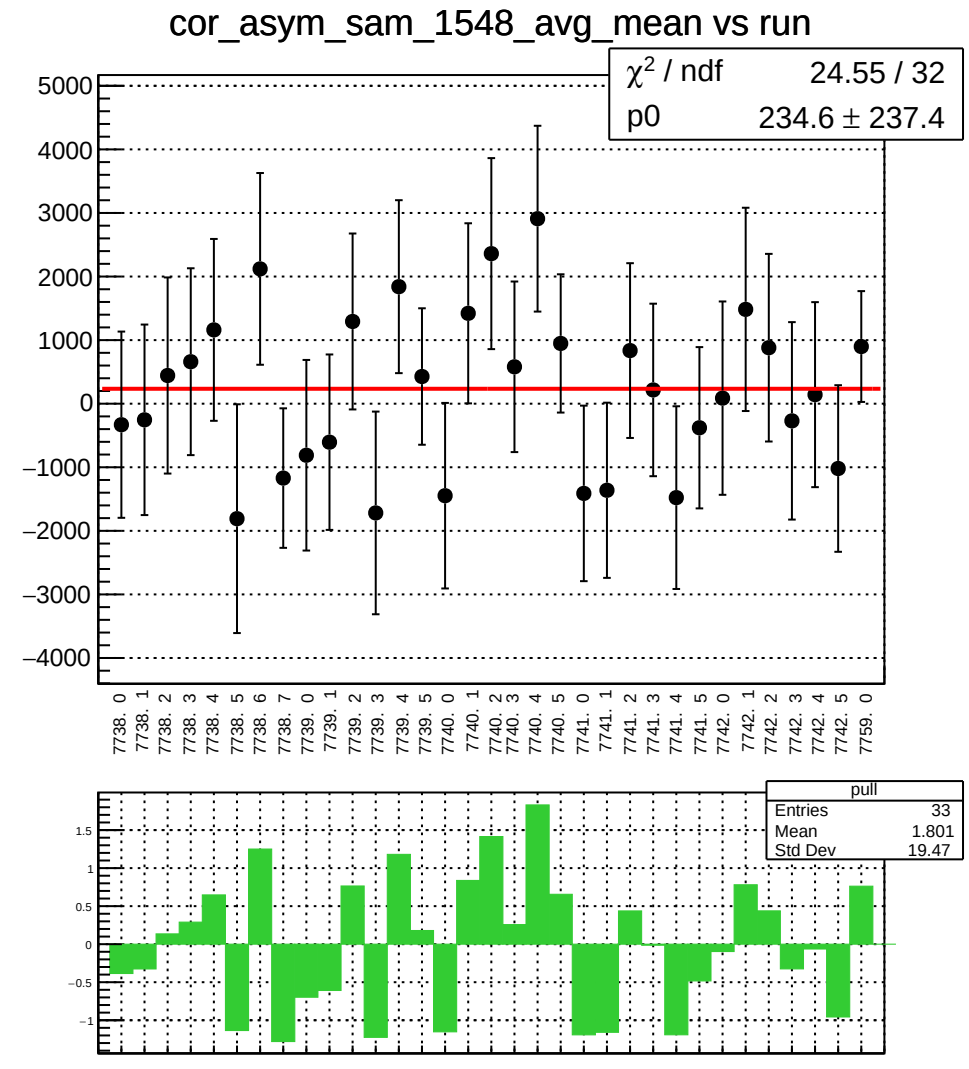

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 24.55 / 32
p0 234.6 ± 237.4
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.798
Std Dev 19.47
1.5
1
0.5
0
−0.5
−1

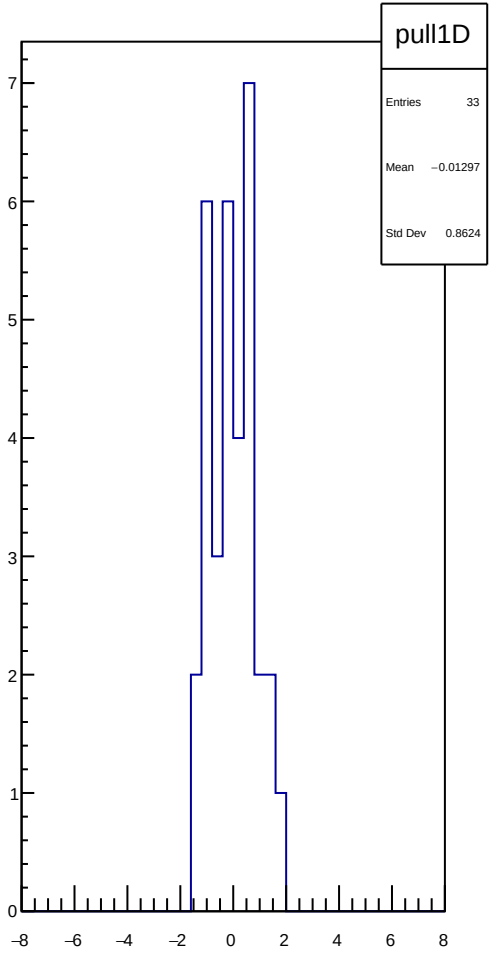

pull1D
Entries 33
Mean −0.01297
Std Dev 0.8624
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

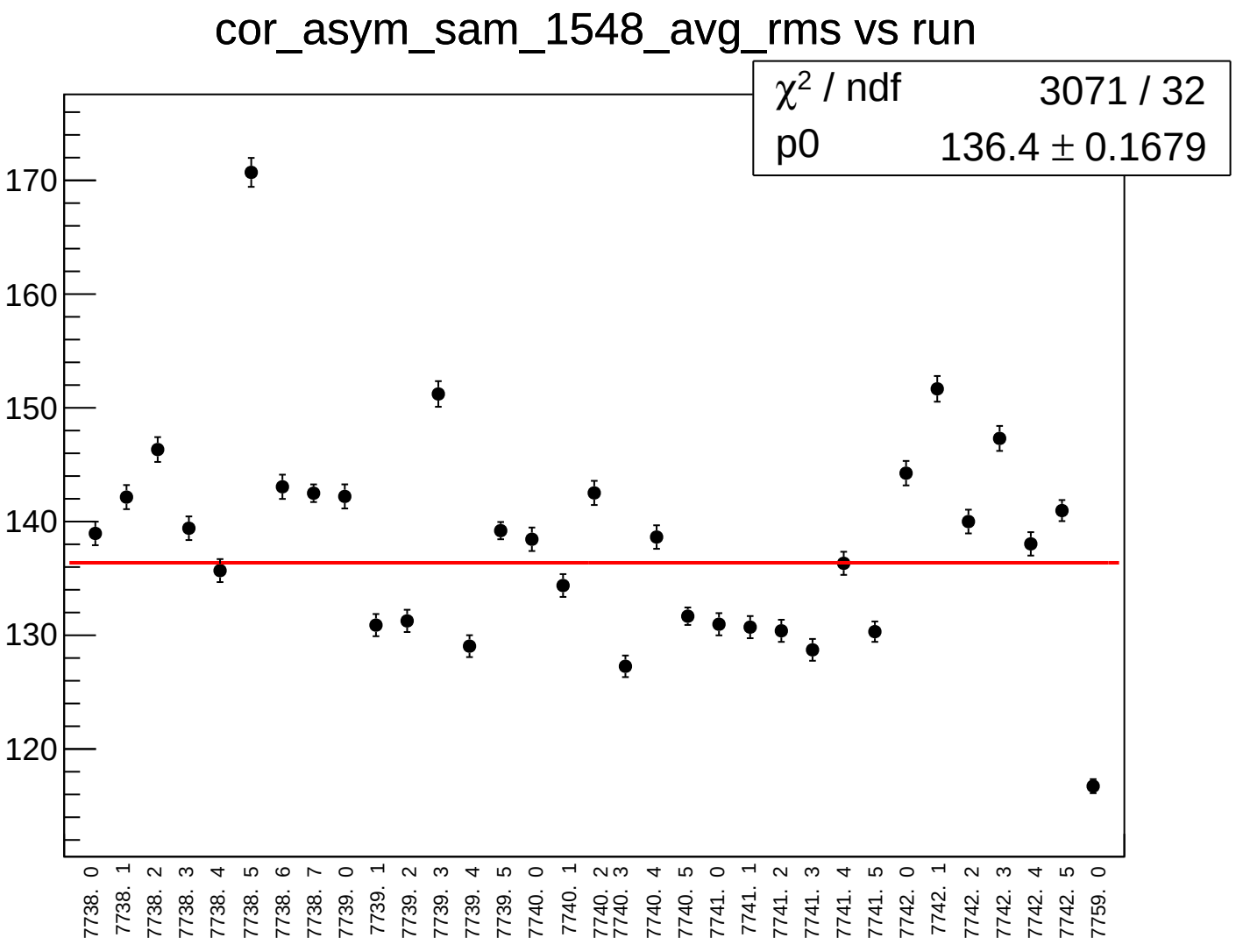

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 3071 / 32
p0 136.4 ± 0.1679
170
160
150
140
130
120
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

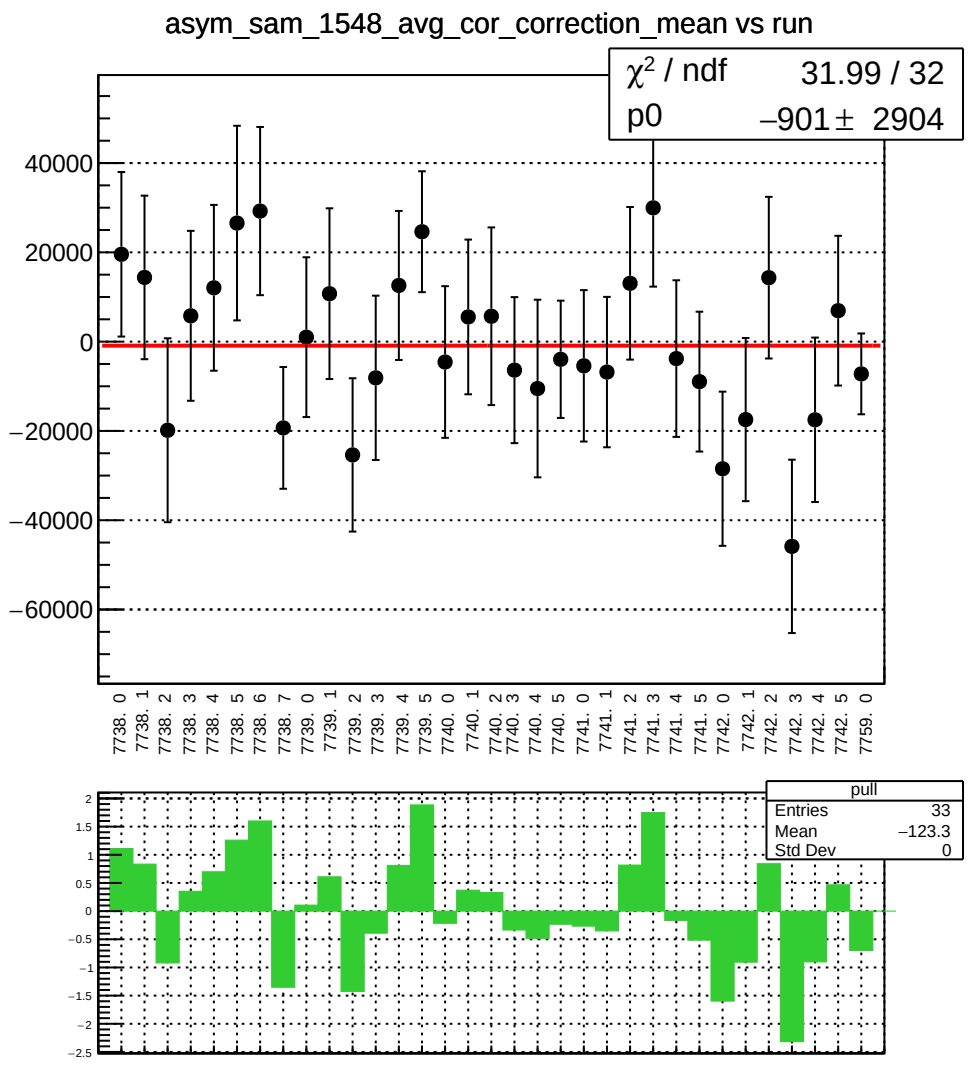

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 32 / 32
p0 −901 ± 2904
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −123.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.02337
Std Dev 0.9844
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

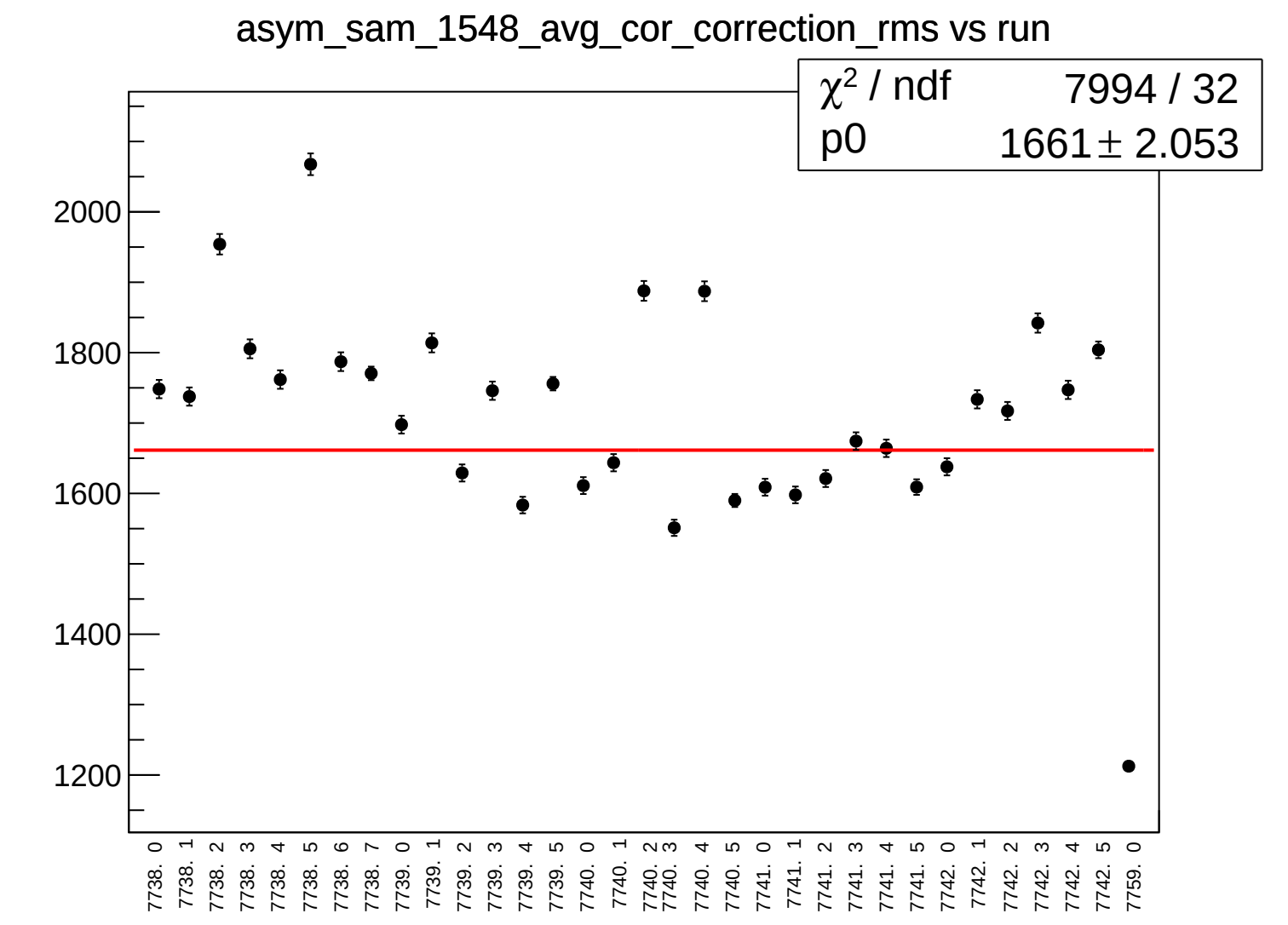

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 7994 / 32
p0 1661 ± 2.053
2000
1800
1600
1400
1200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

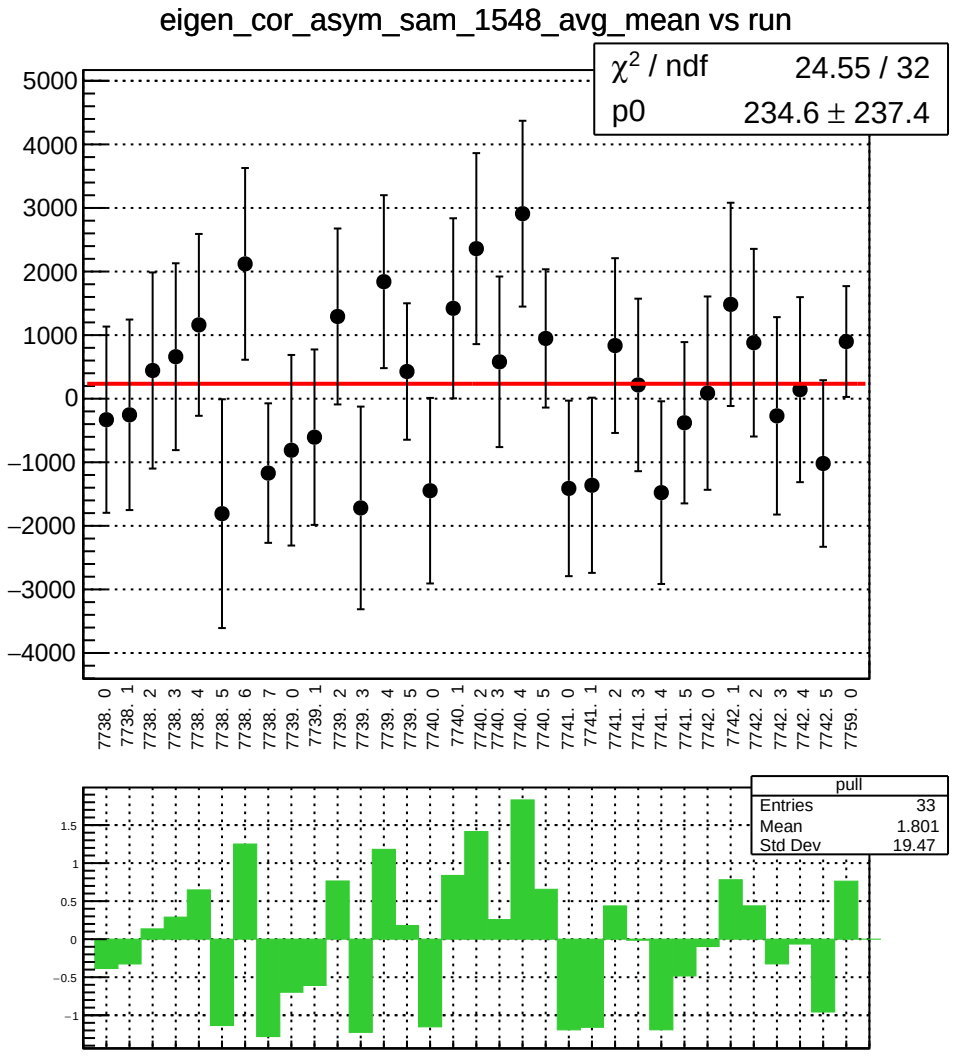

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 24.55 / 32
p0 234.6 ± 237.4
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.801
Std Dev 19.47
1.5
1
0.5
0
−0.5
−1

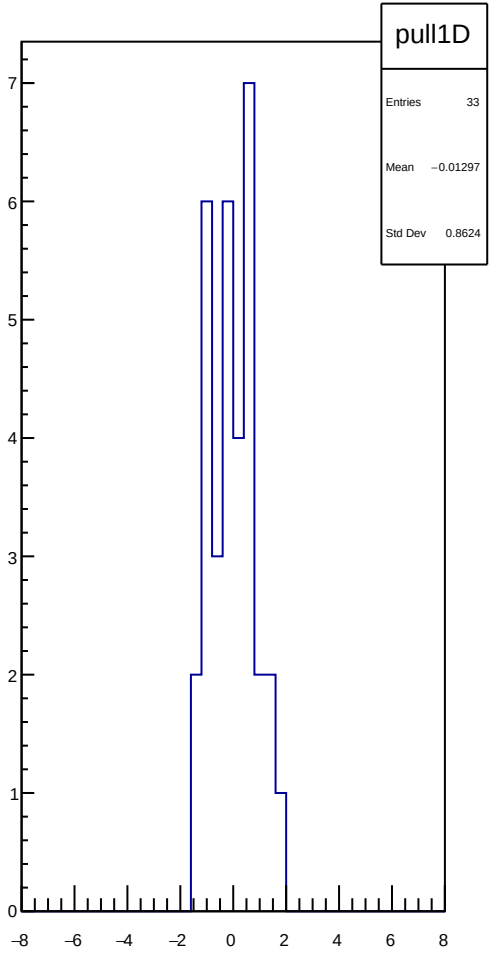

pull1D
Entries 33
Mean −0.01297
Std Dev 0.8624
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

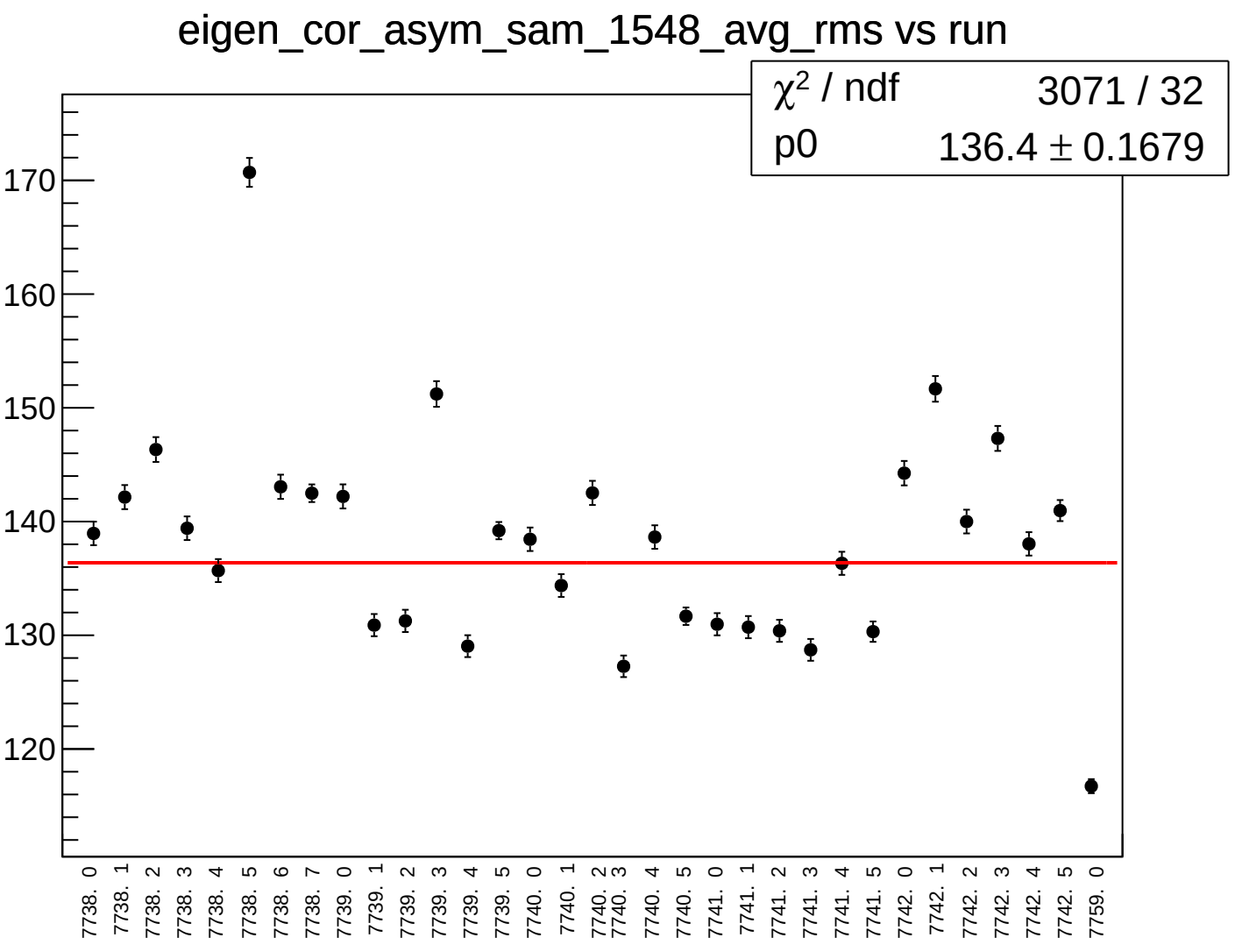

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3071 / 32
p0 136.4 ± 0.1679
170
160
150
140
130
120
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

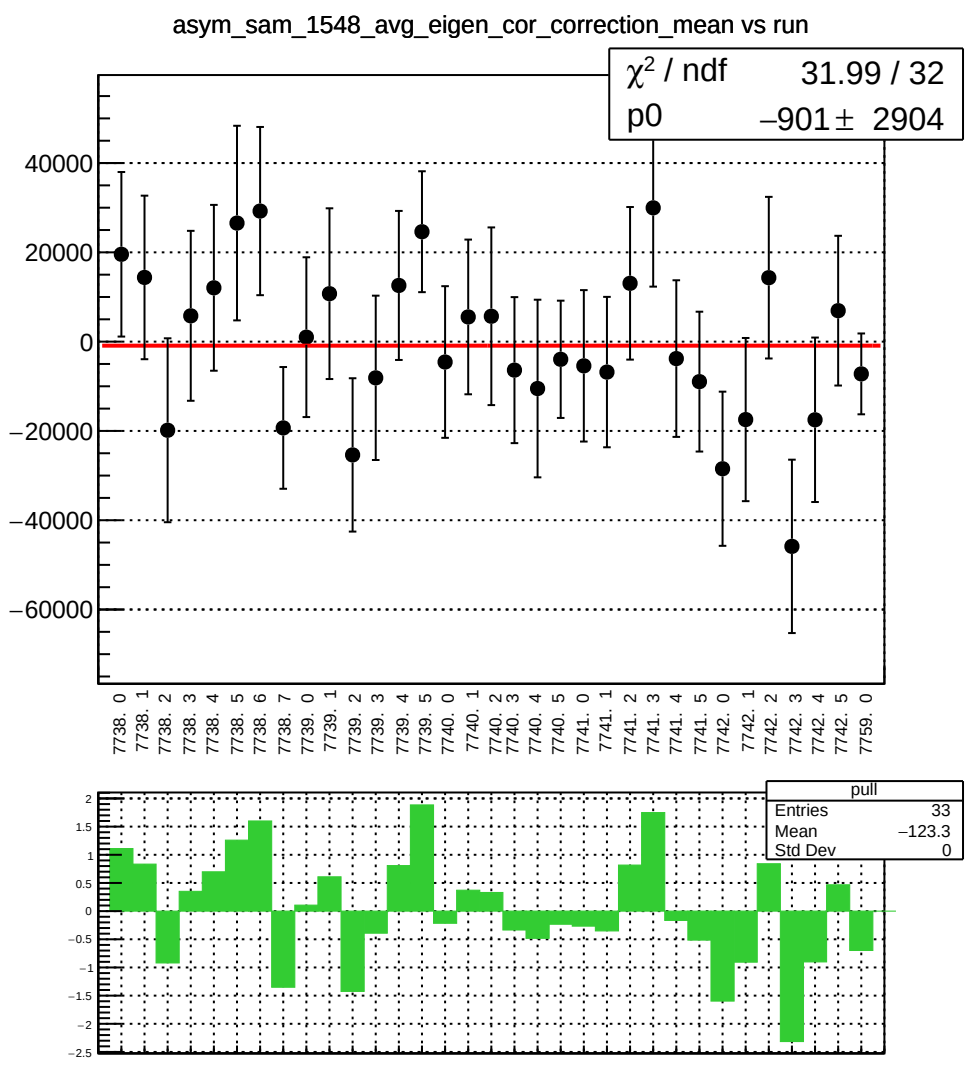

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 31.99 / 32
p0 −901 ± 2904
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −123.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.02337
Std Dev 0.9844
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

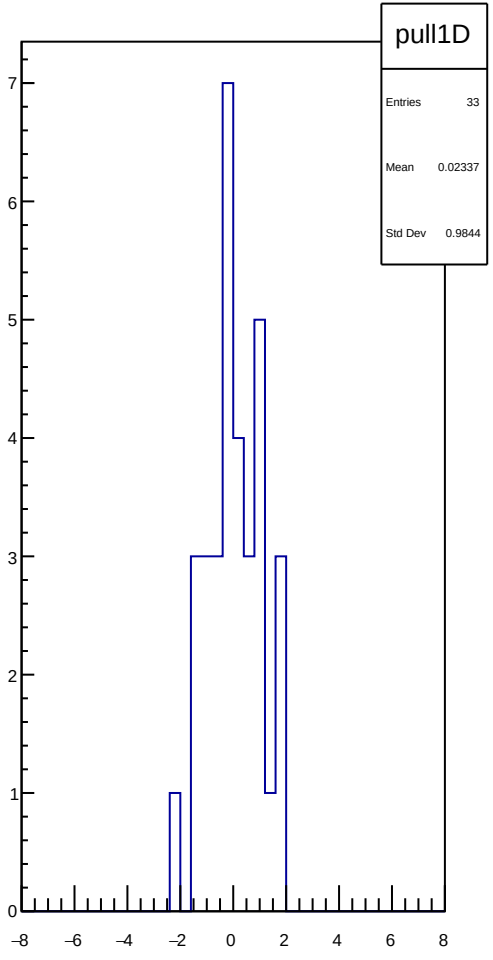

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 7994 / 32
p0 1661 ± 2.053
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

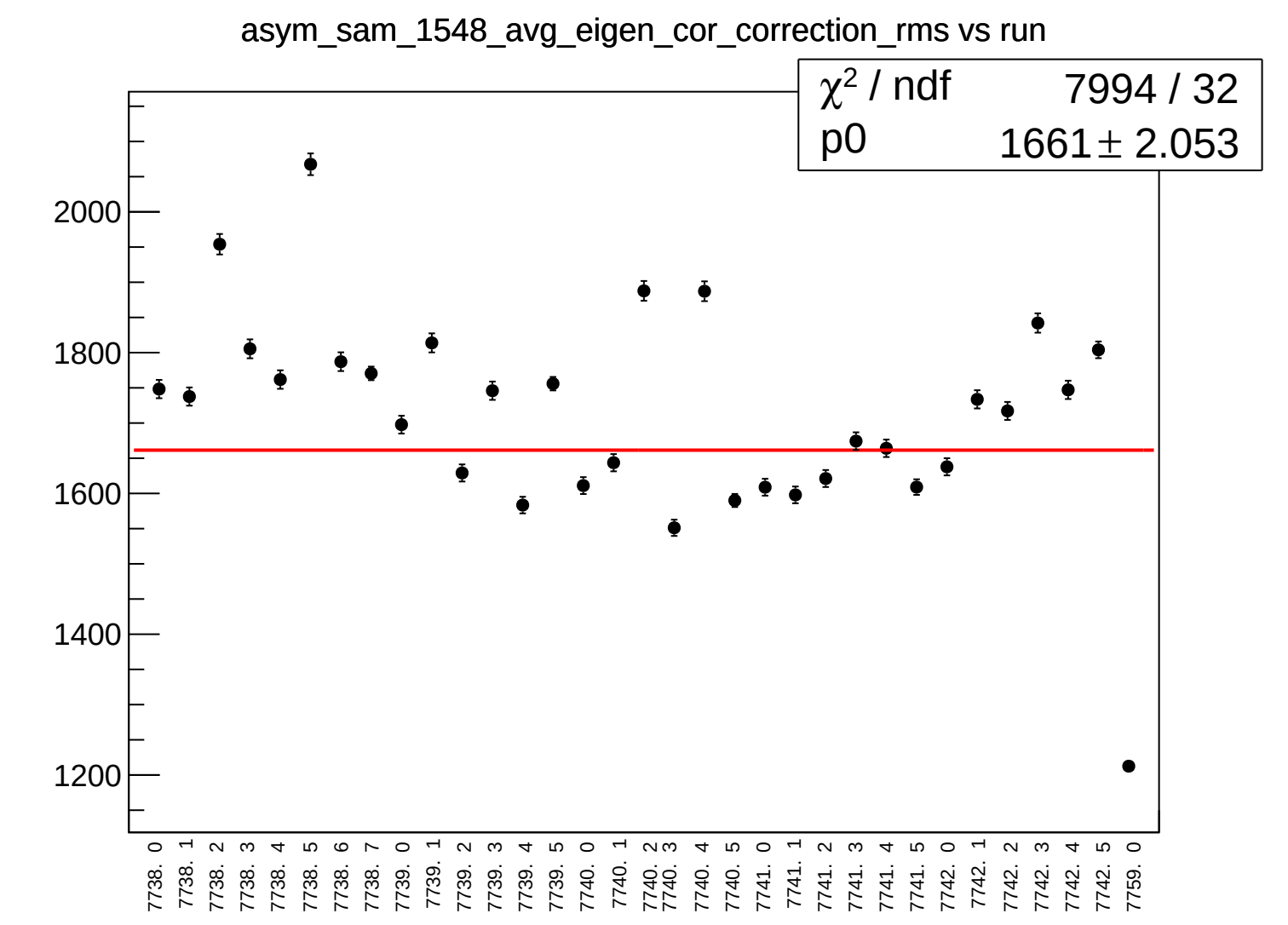

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 24.55 / 32
p0 234.6 ± 237.4
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.801
Std Dev 19.47
1.5
1
0.5
0
−0.5
−1

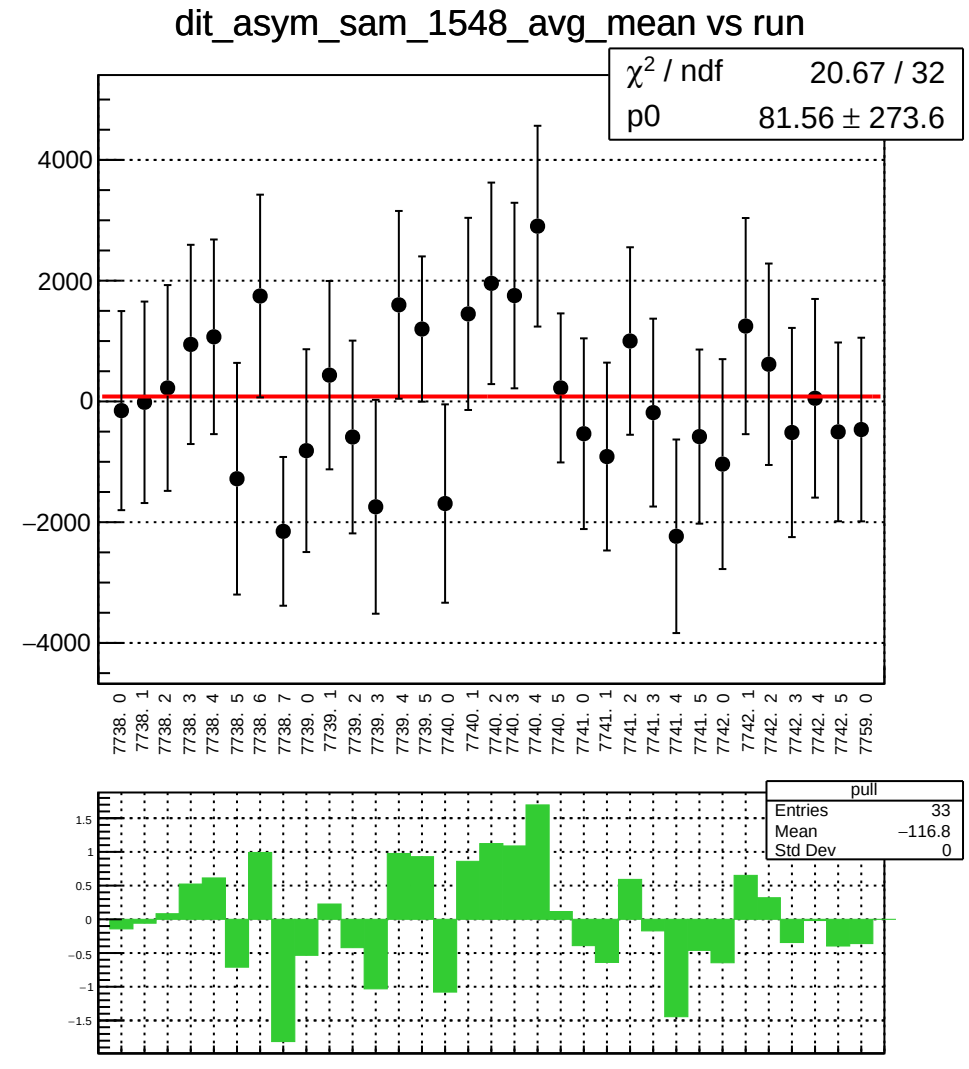

pull1D
Entries 33
Mean −0.01297
Std Dev 0.8624
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

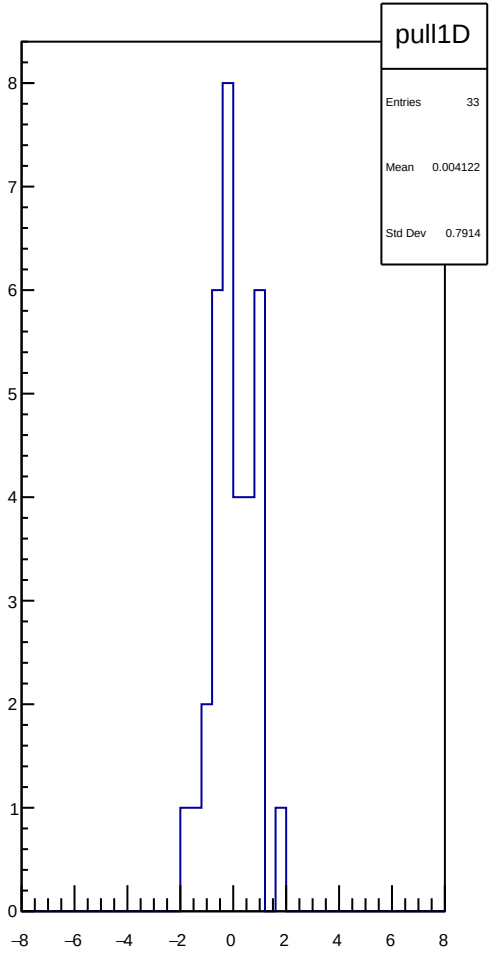

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3071 / 32
p0 136.4 ± 0.1679
170
160
150
140
130
120
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

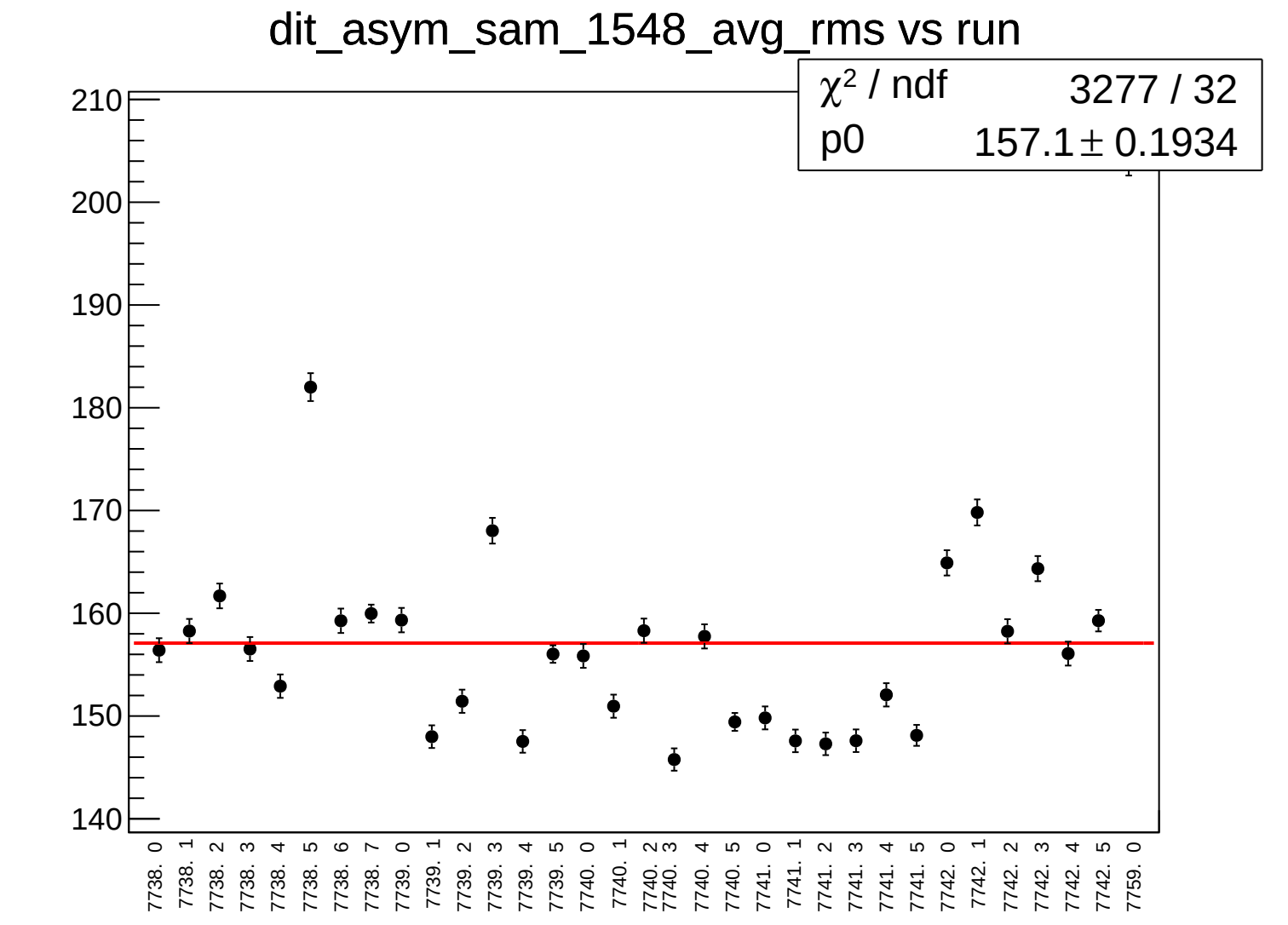

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 31.99 / 32
p0 −901 ± 2904
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −123.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

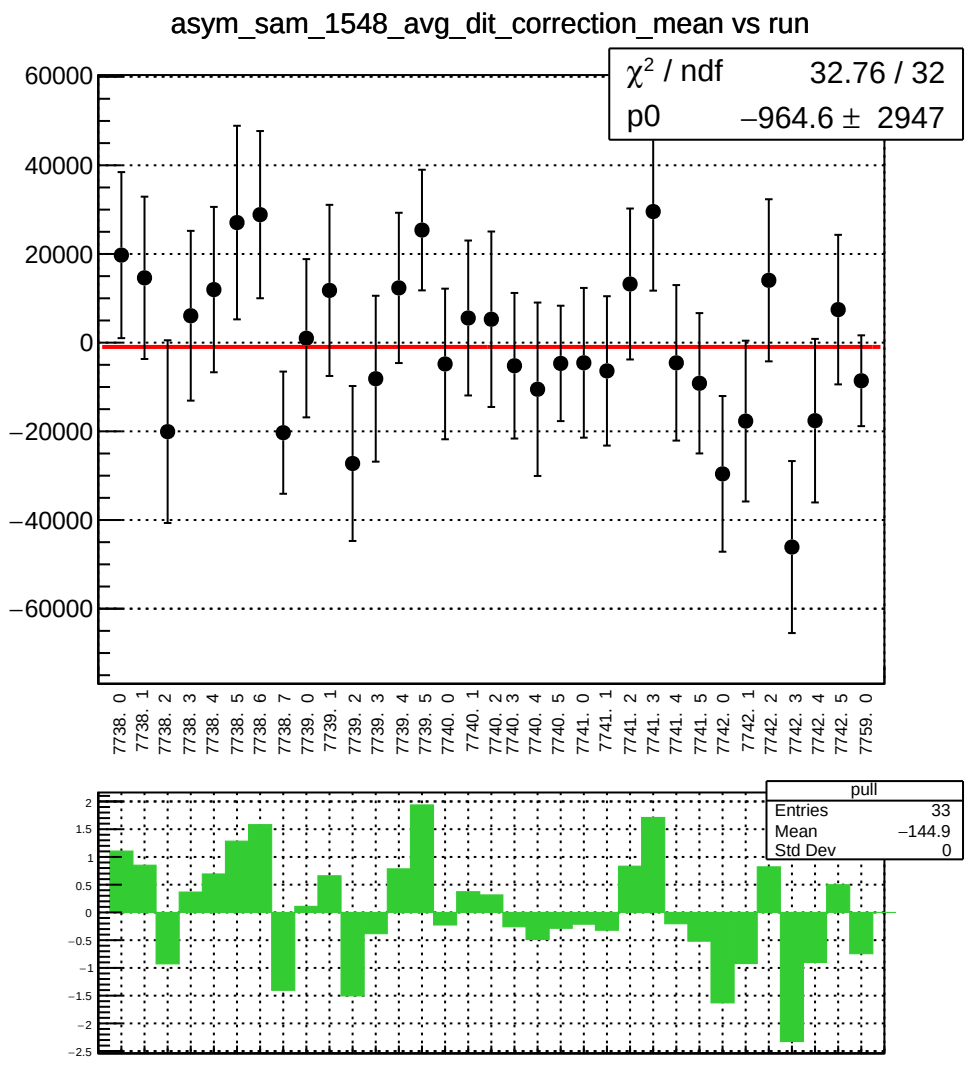

pull1D
Entries 33
Mean 0.02337
Std Dev 0.9844
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

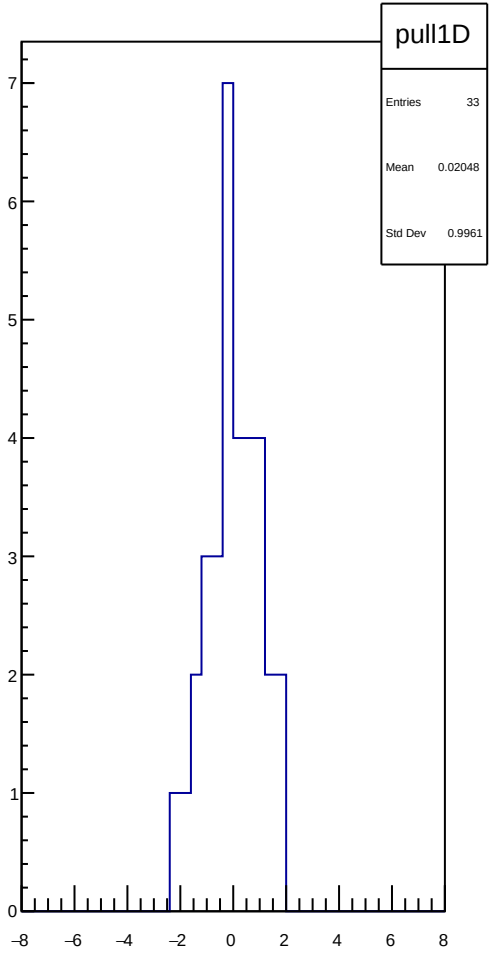

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 7994 / 32
p0 1661 ± 2.053
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

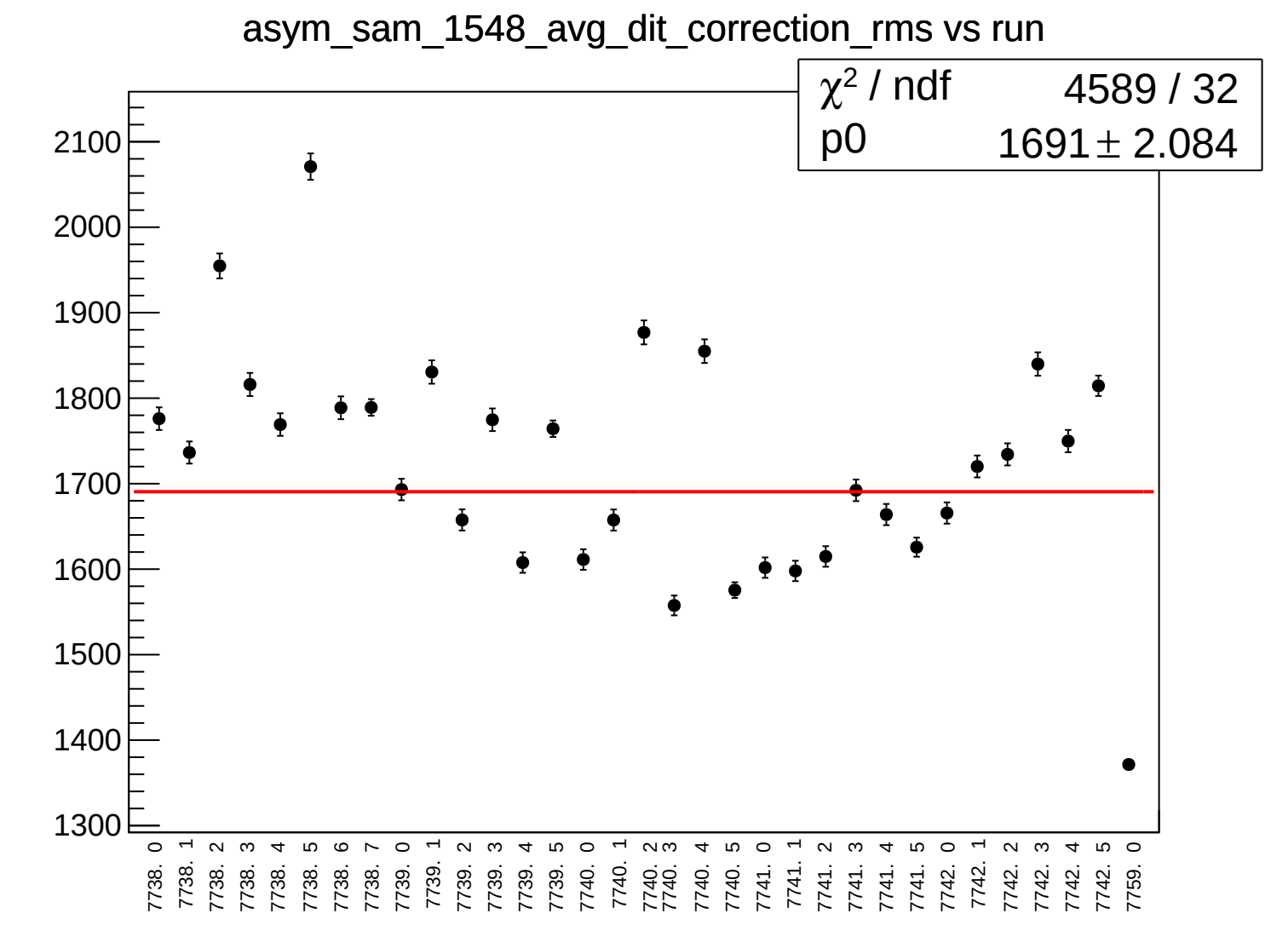

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 20.67 / 32
p0 81.56 ± 273.6
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −116.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

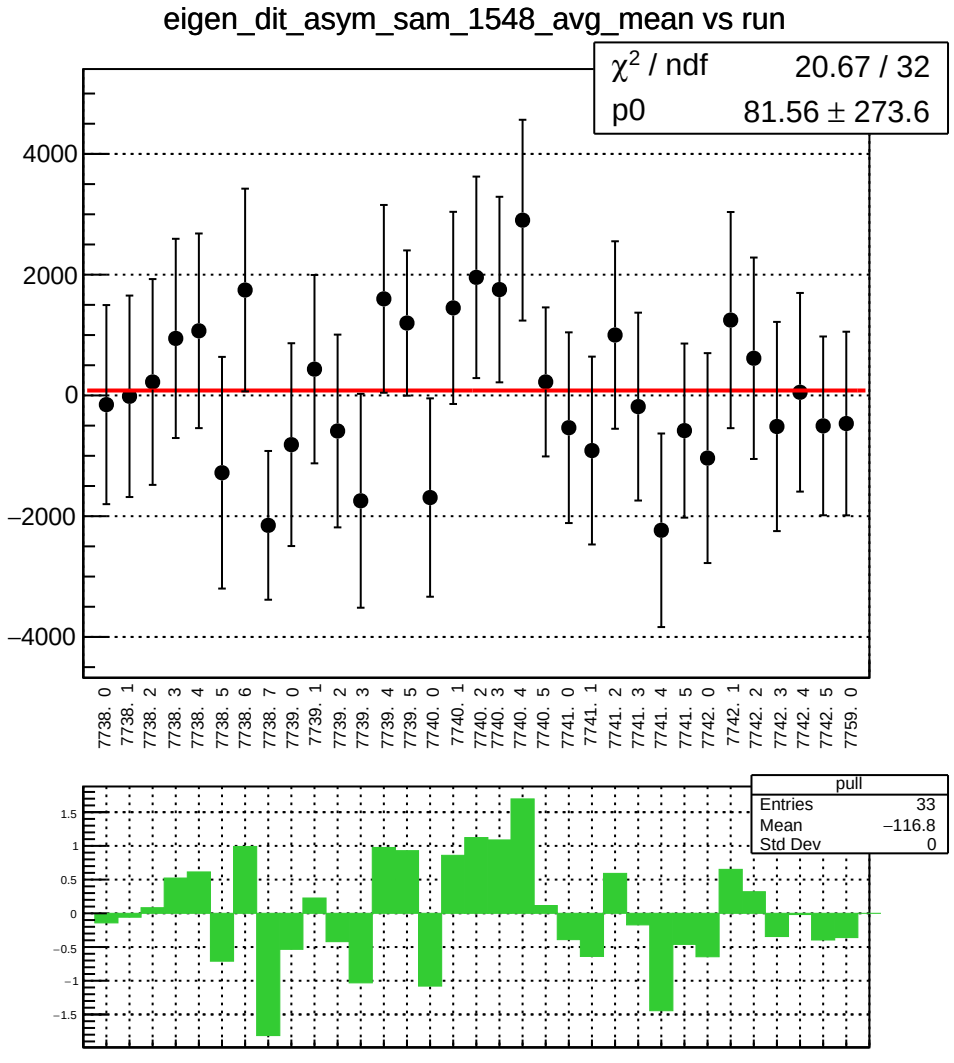

pull1D
Entries 33
Mean 0.004122
Std Dev 0.7914
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

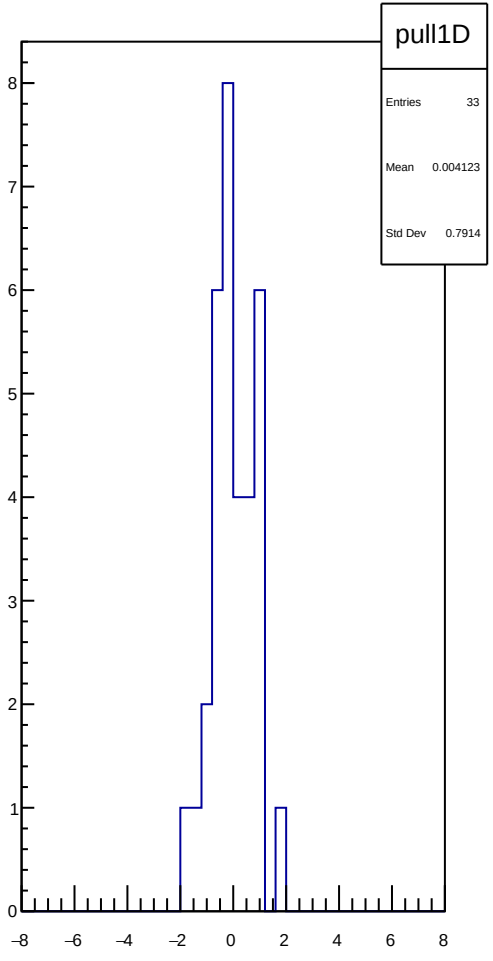

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3277 / 32
p0 157.1 ± 0.1934
210
200
190
180
170
160
150
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

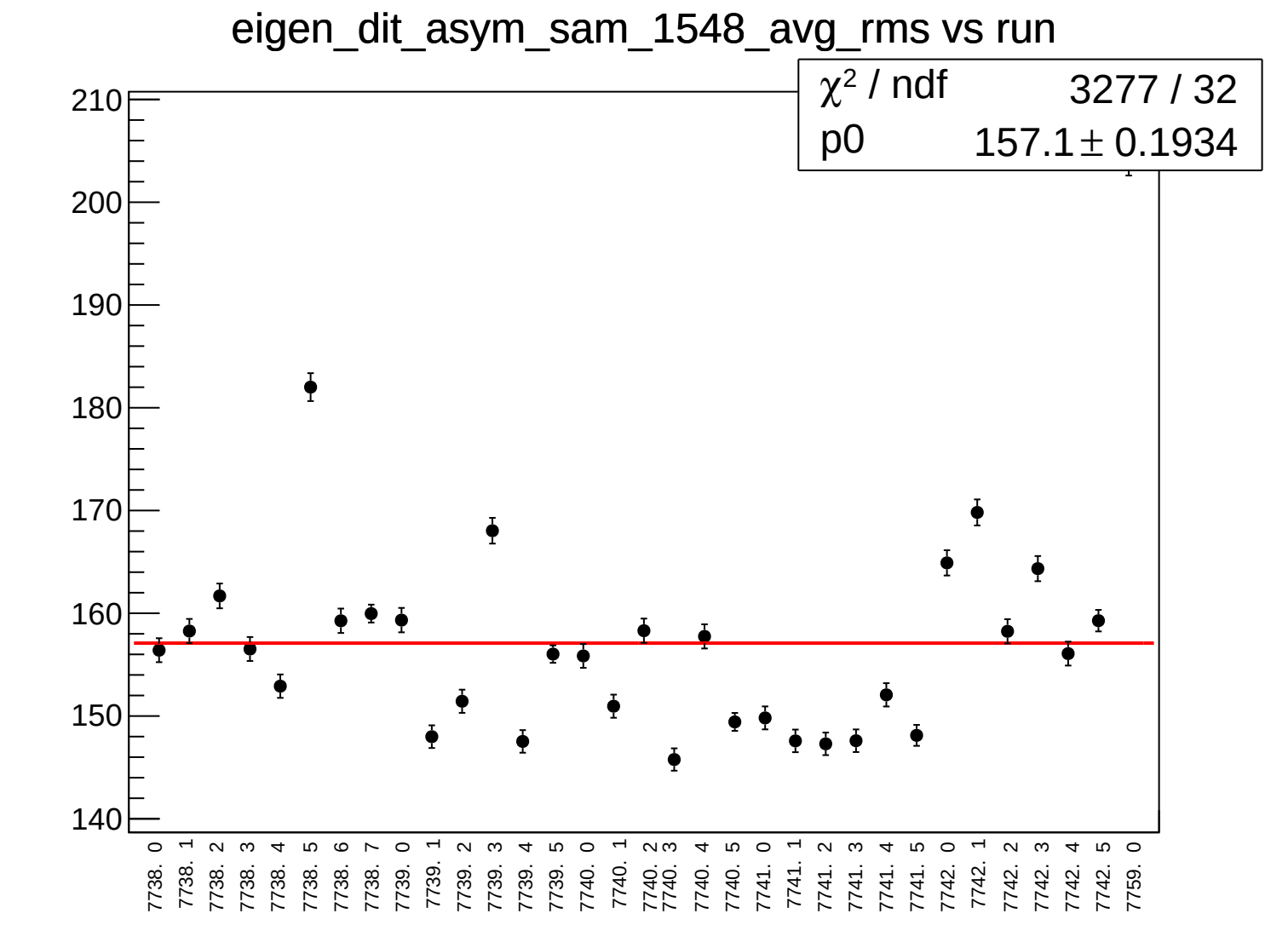

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 32.76 / 32
p0 −964.6 ± 2947
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −144.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

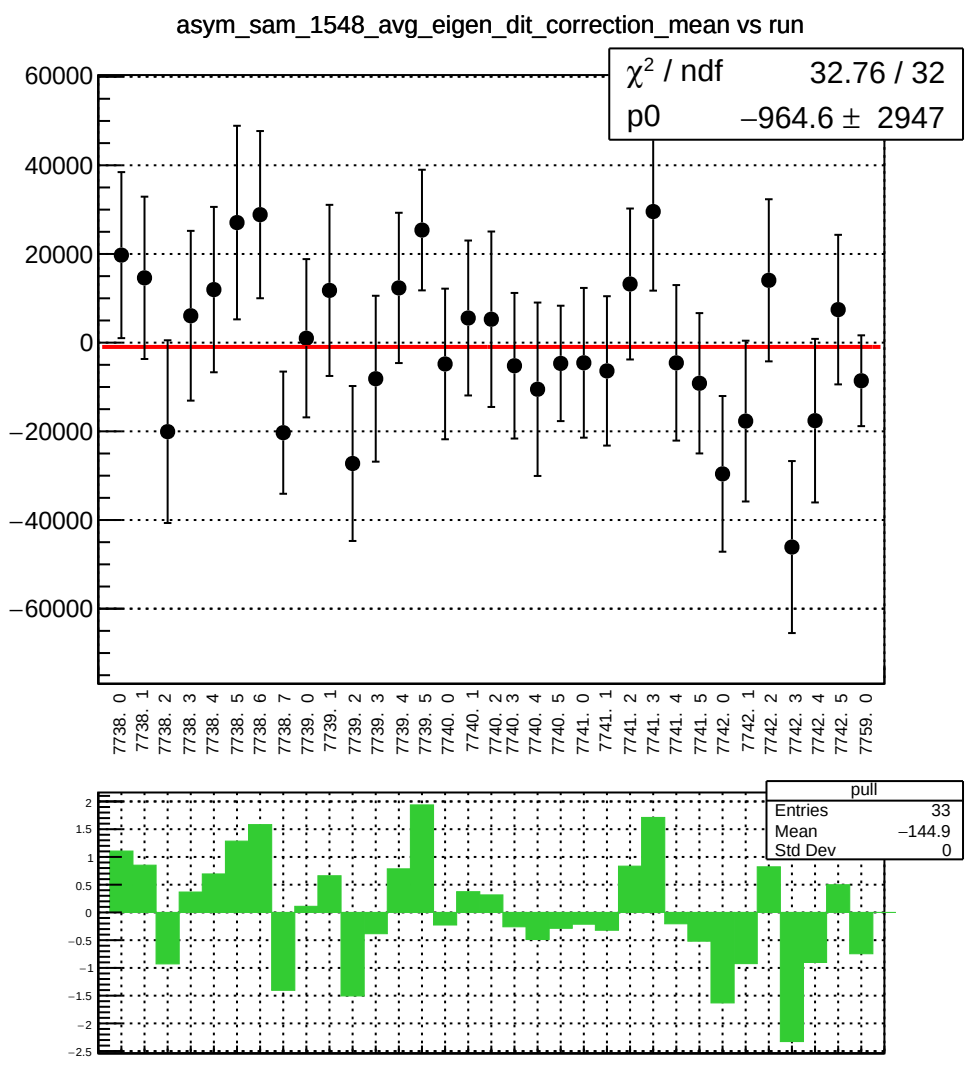

pull1D
Entries 33
Mean 0.02048
Std Dev 0.9961
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

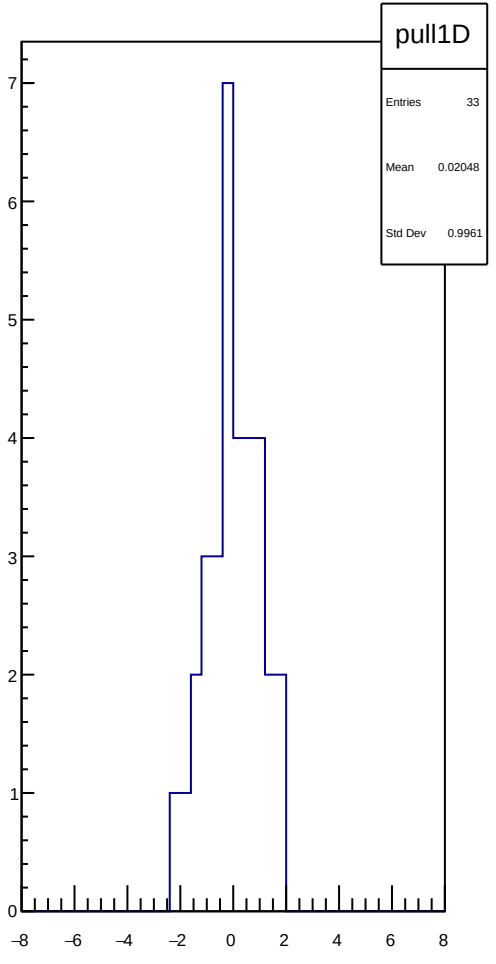

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 4589 / 32
p0 1691 ± 2.084
2100
2000
1900
1800
1700
1600
1500
1400
1300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

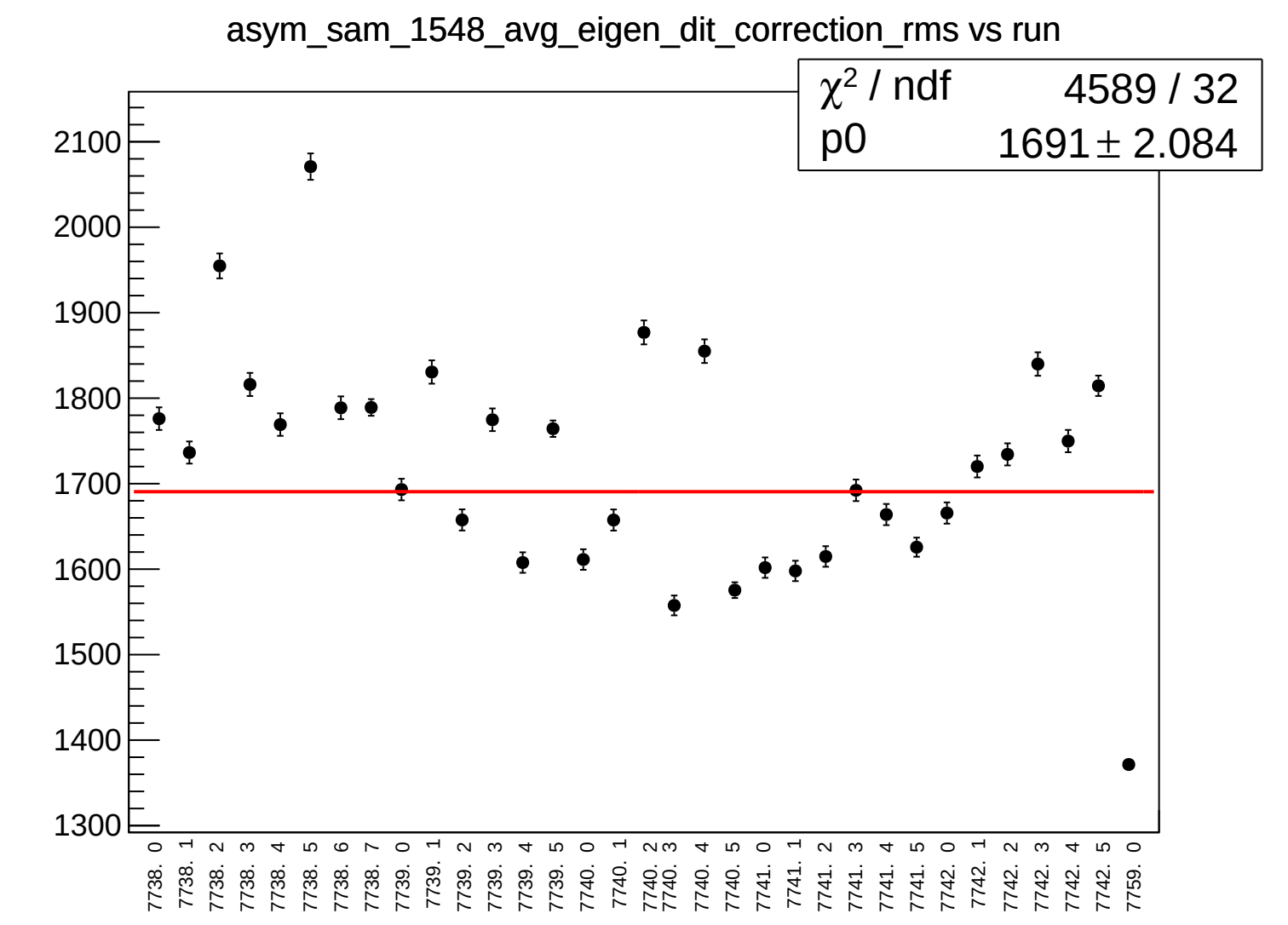

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 20.67 / 32
p0 81.56 ± 273.6
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −116.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

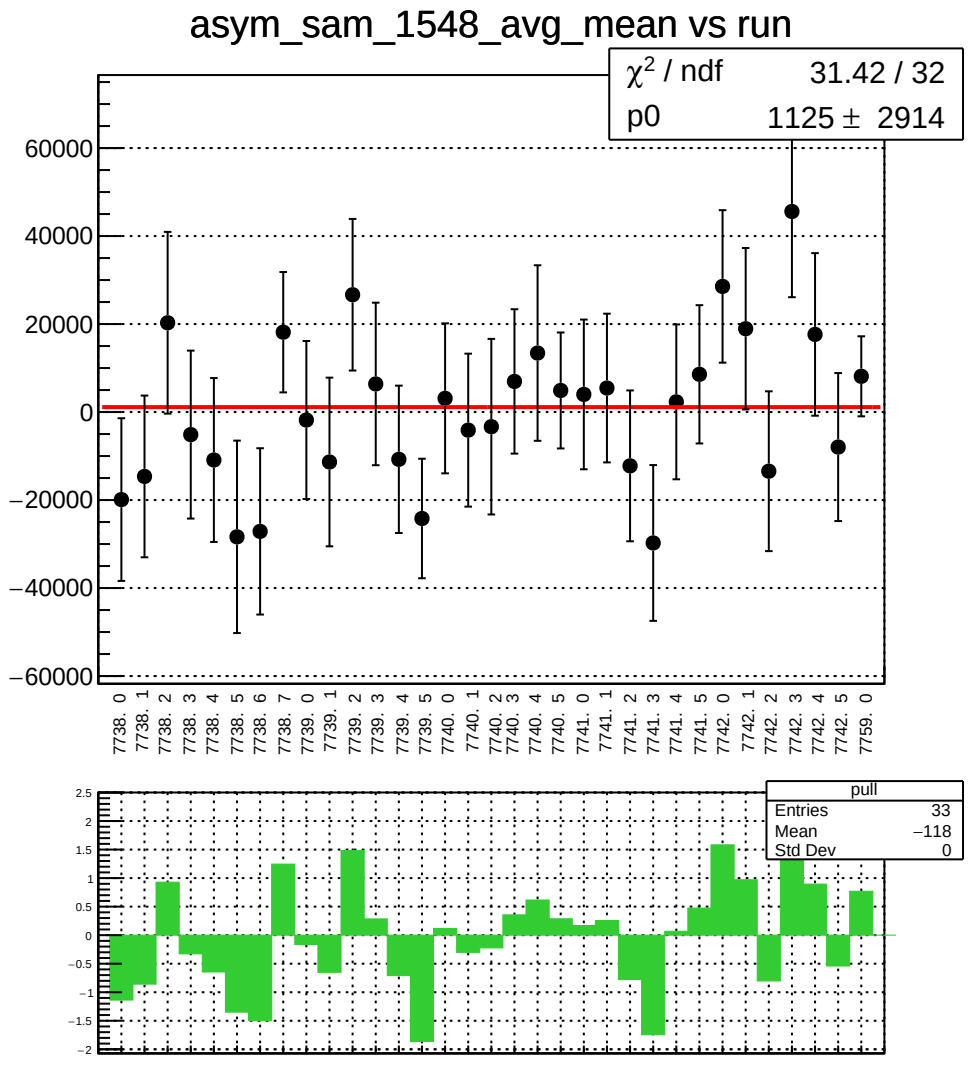

pull1D
Entries 33
Mean 0.004123
Std Dev 0.7914
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

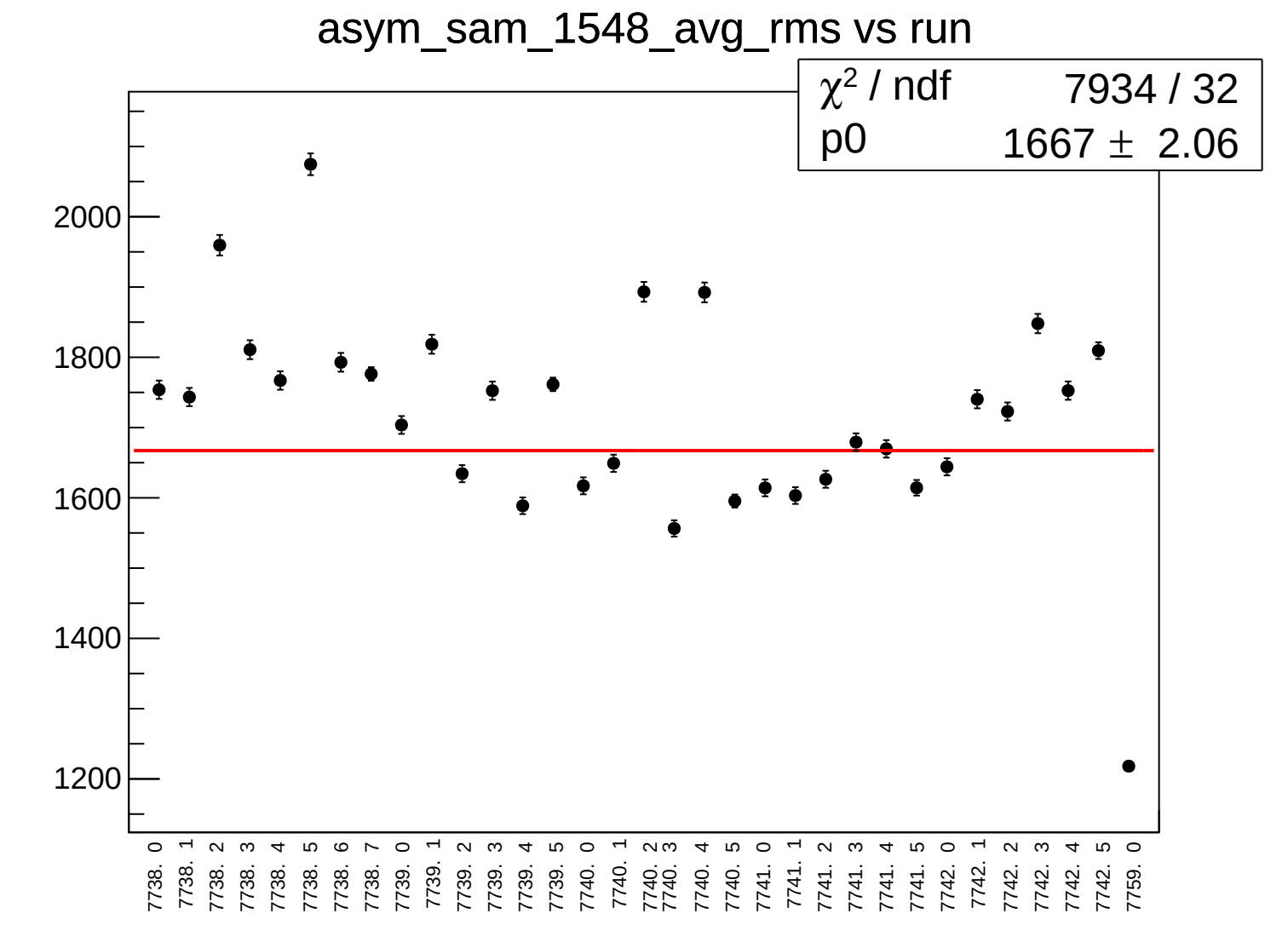

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3277 / 32
p0 157.1 ± 0.1934
210
200
190
180
170
160
150
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

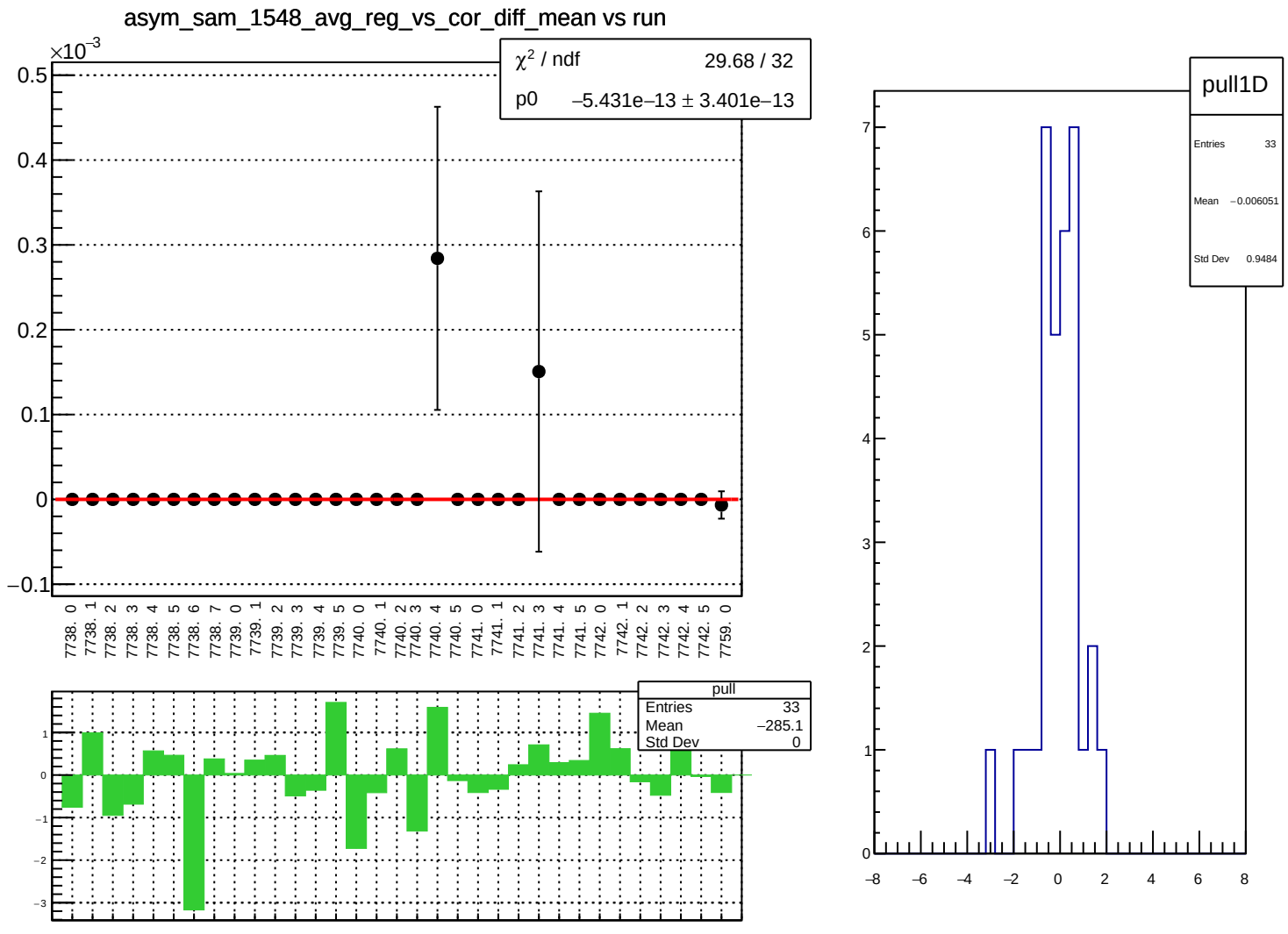

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 32.76 / 32
p0 −964.6 ± 2947
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −144.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

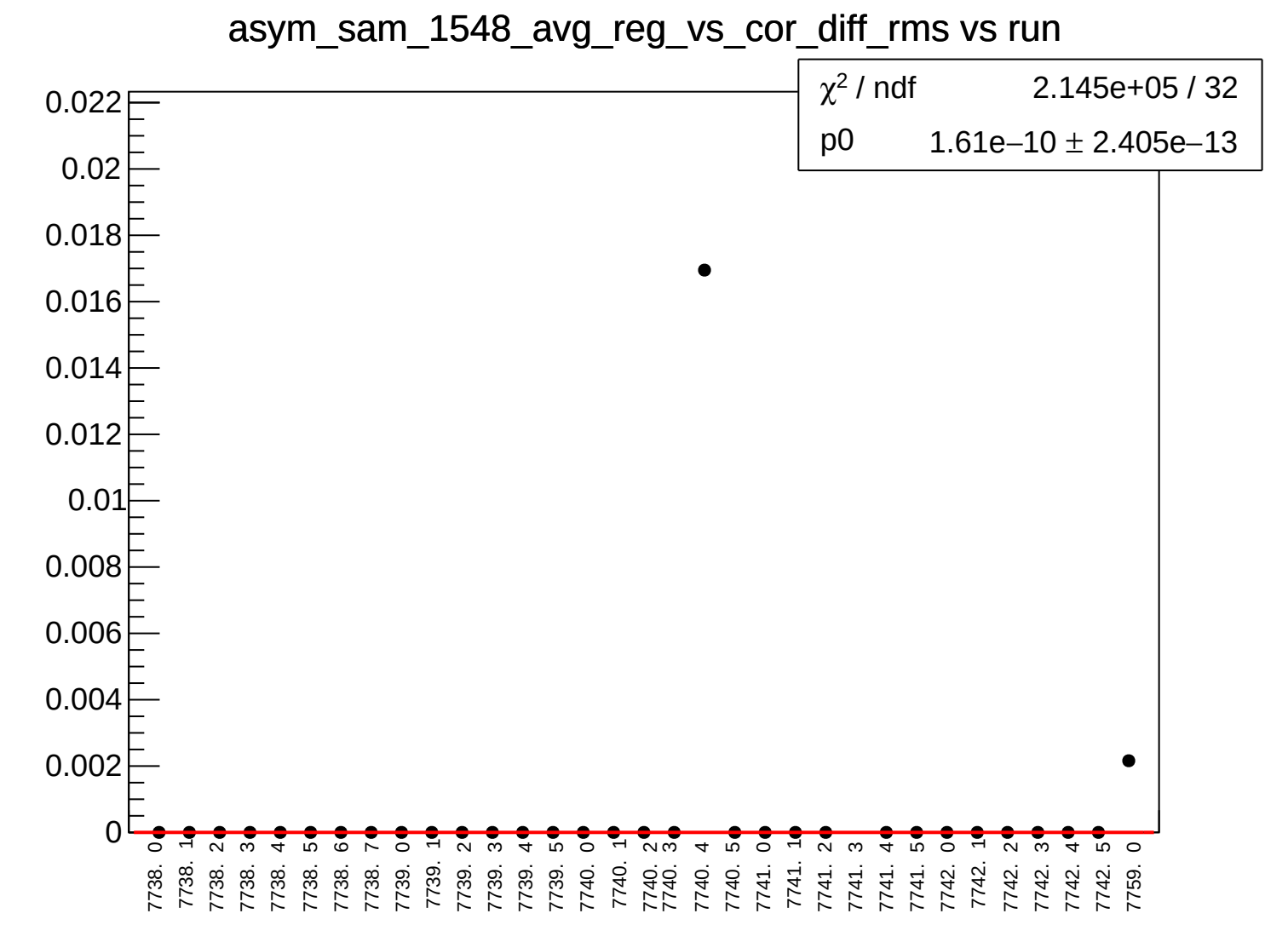

pull1D
Entries 33
Mean 0.02048
Std Dev 0.9961
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

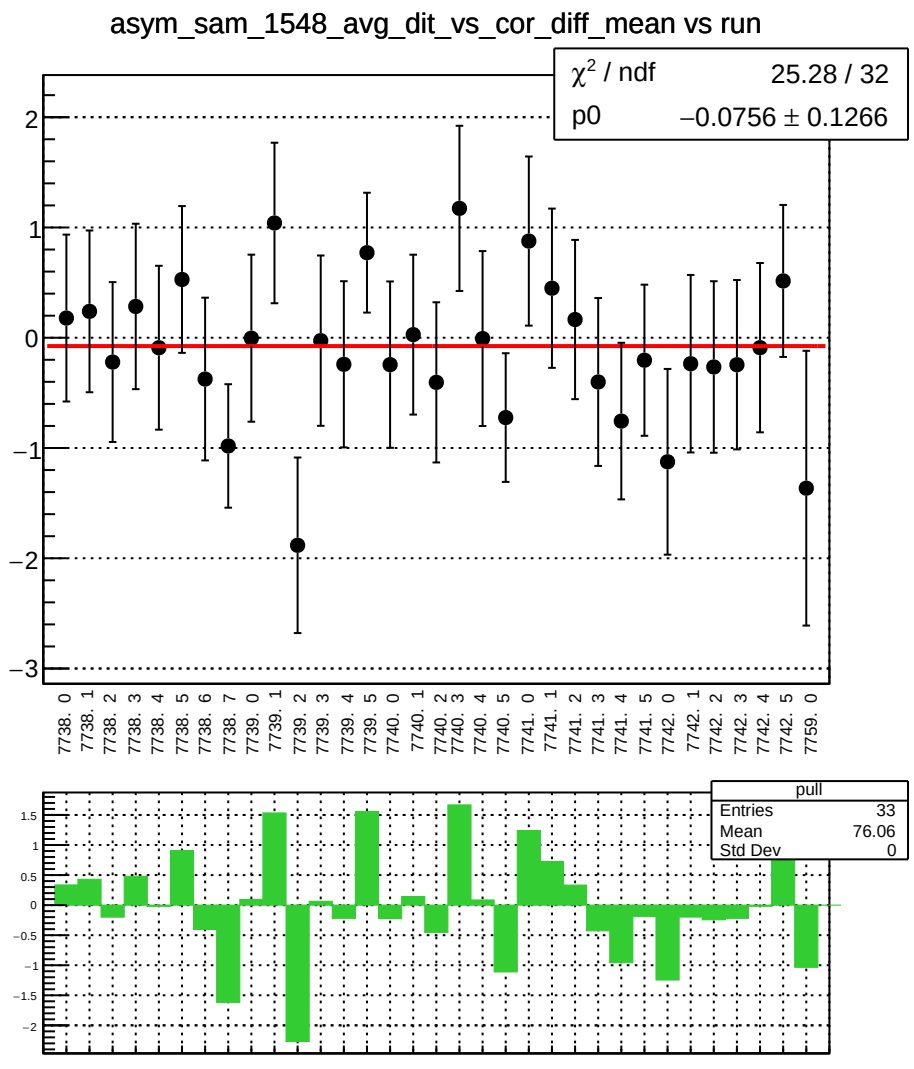

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 4589 / 32
p0 1691 ± 2.084
2100
2000
1900
1800
1700
1600
1500
1400
1300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

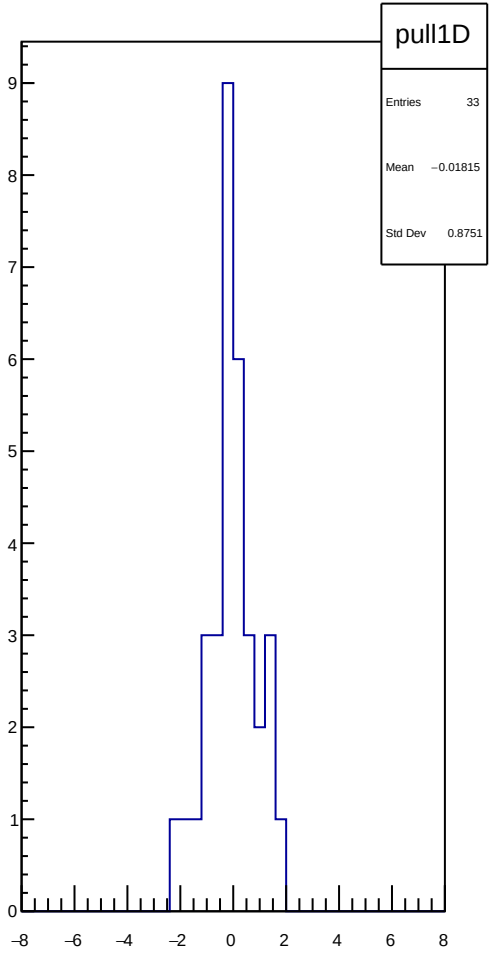

asym_sam_1548_avg_mean vs run
χ² / ndf 31.42 / 32
p0 1125 ± 2914
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −118
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02439
Std Dev 0.9755
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

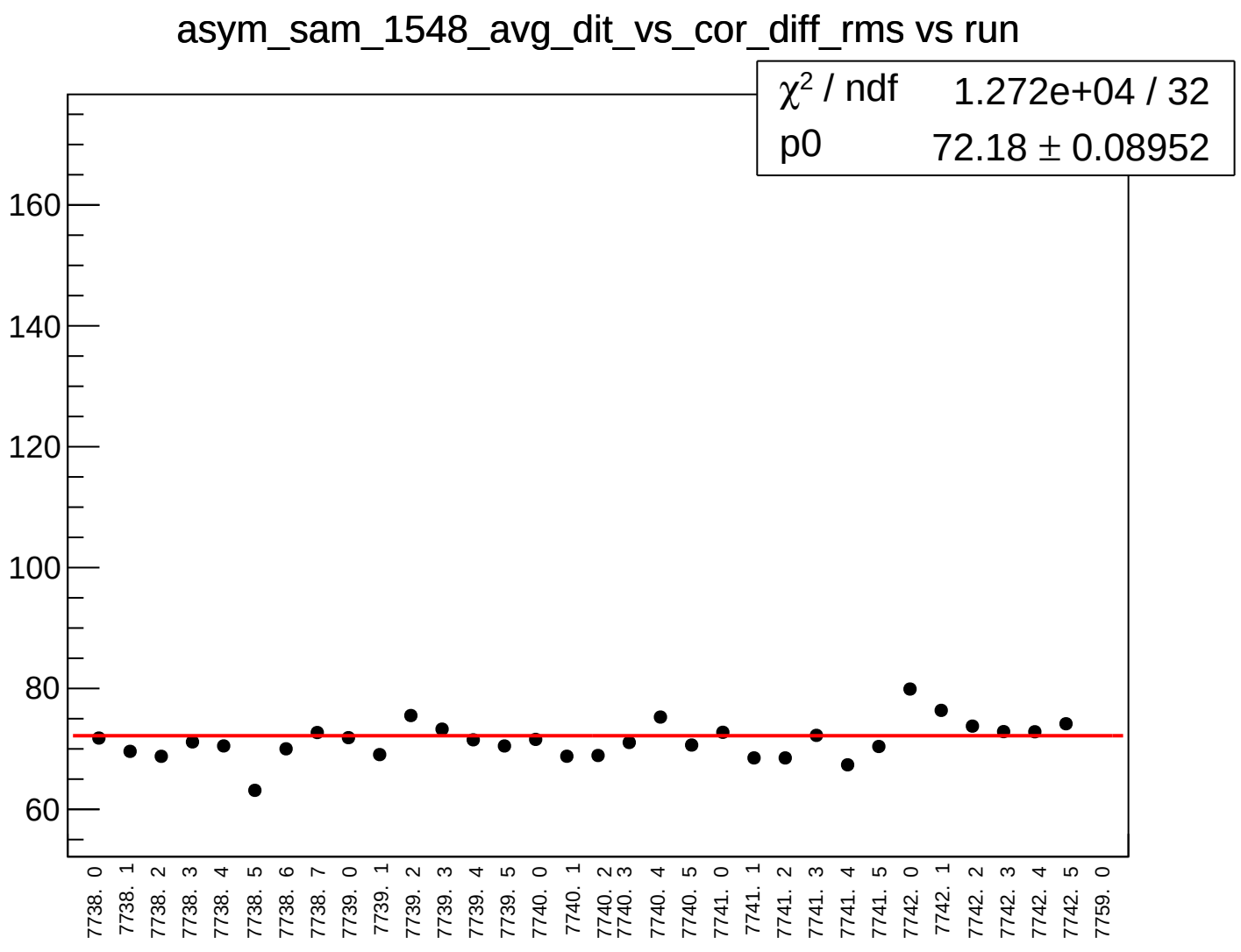

asym_sam_1548_avg_rms vs run
χ² / ndf 7934 / 32
p0 1667 ± 2.06
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

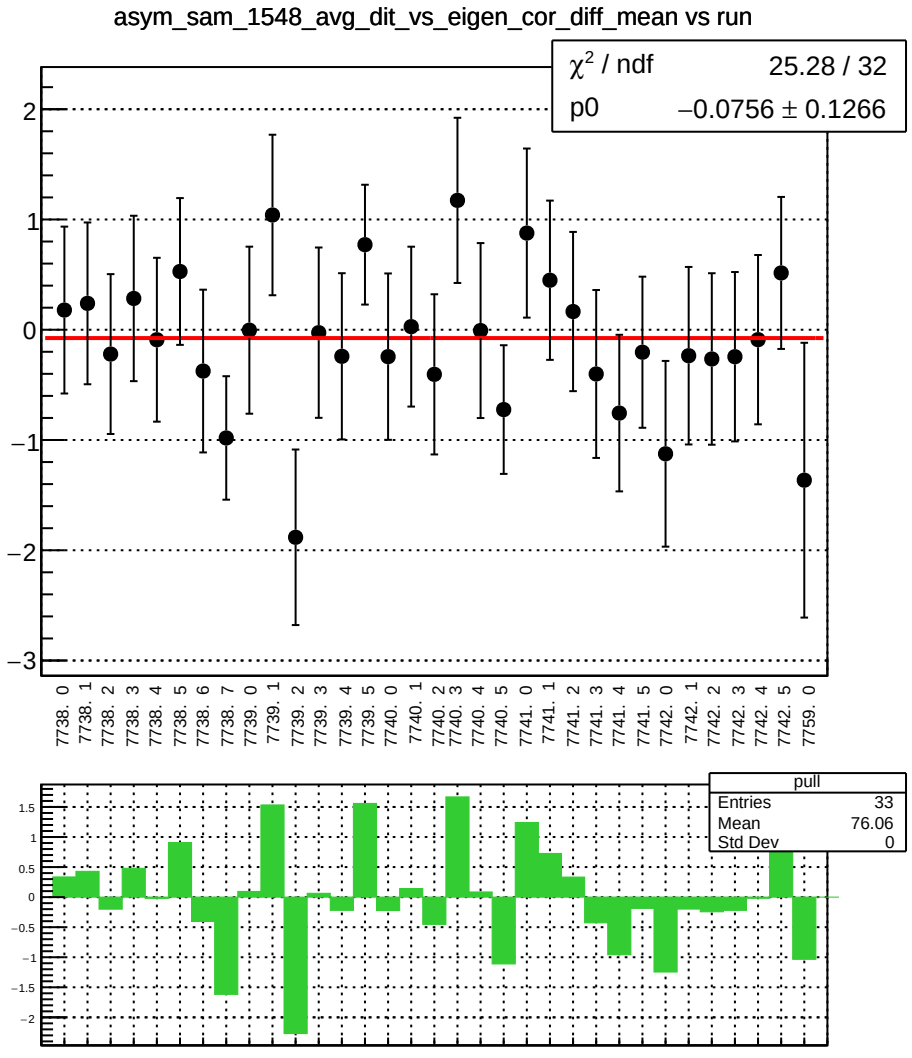

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 29.68 / 32
p0 −5.431e−13 ± 3.401e−13
0.5
0.4
0.3
0.2
0.1
0
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −285.1
Std Dev 0
pull1D
Entries 33
Mean −0.006051
Std Dev 0.9484

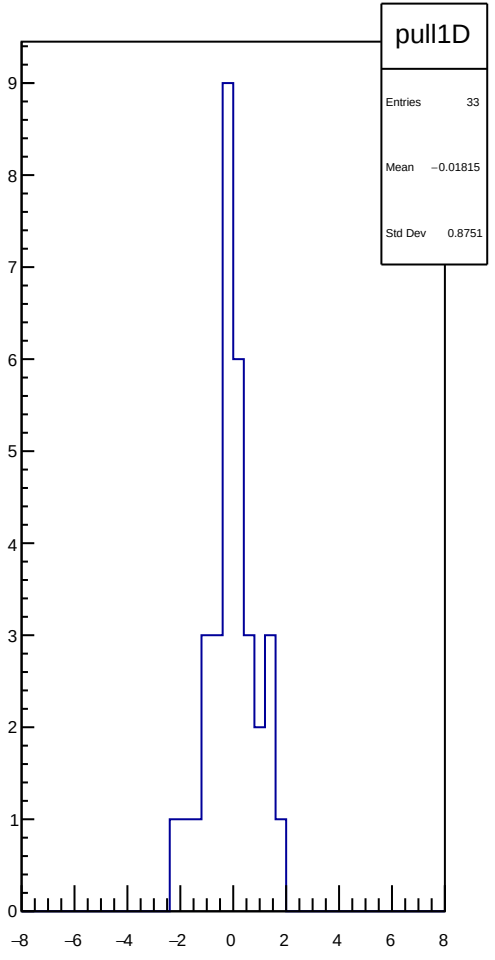

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.145e+05 / 32
p0 1.61e−10 ± 2.405e−13
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

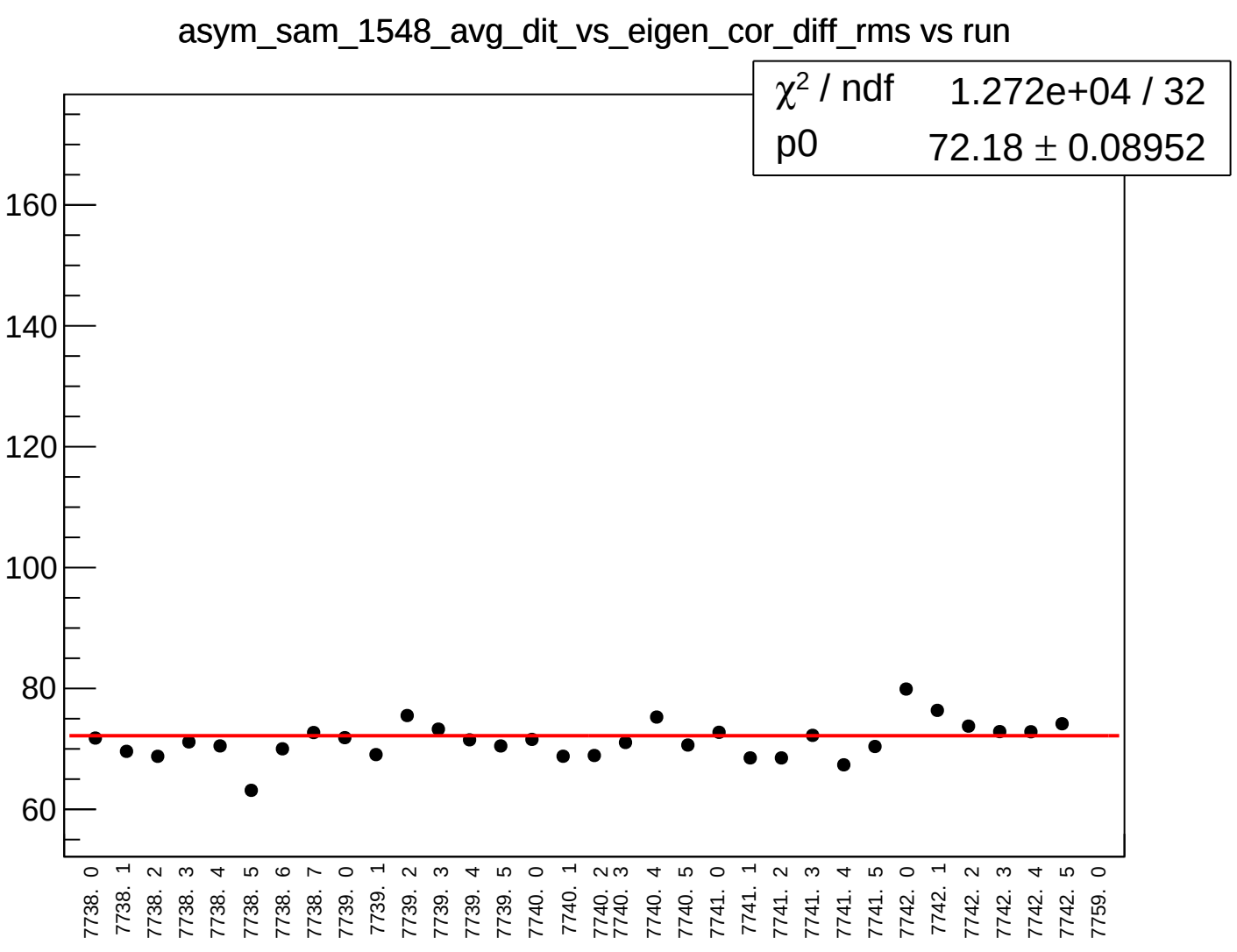

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 25.28 / 32
p0 −0.0756 ± 0.1266
pull
Entries 33
Mean 76.06
Std Dev 0

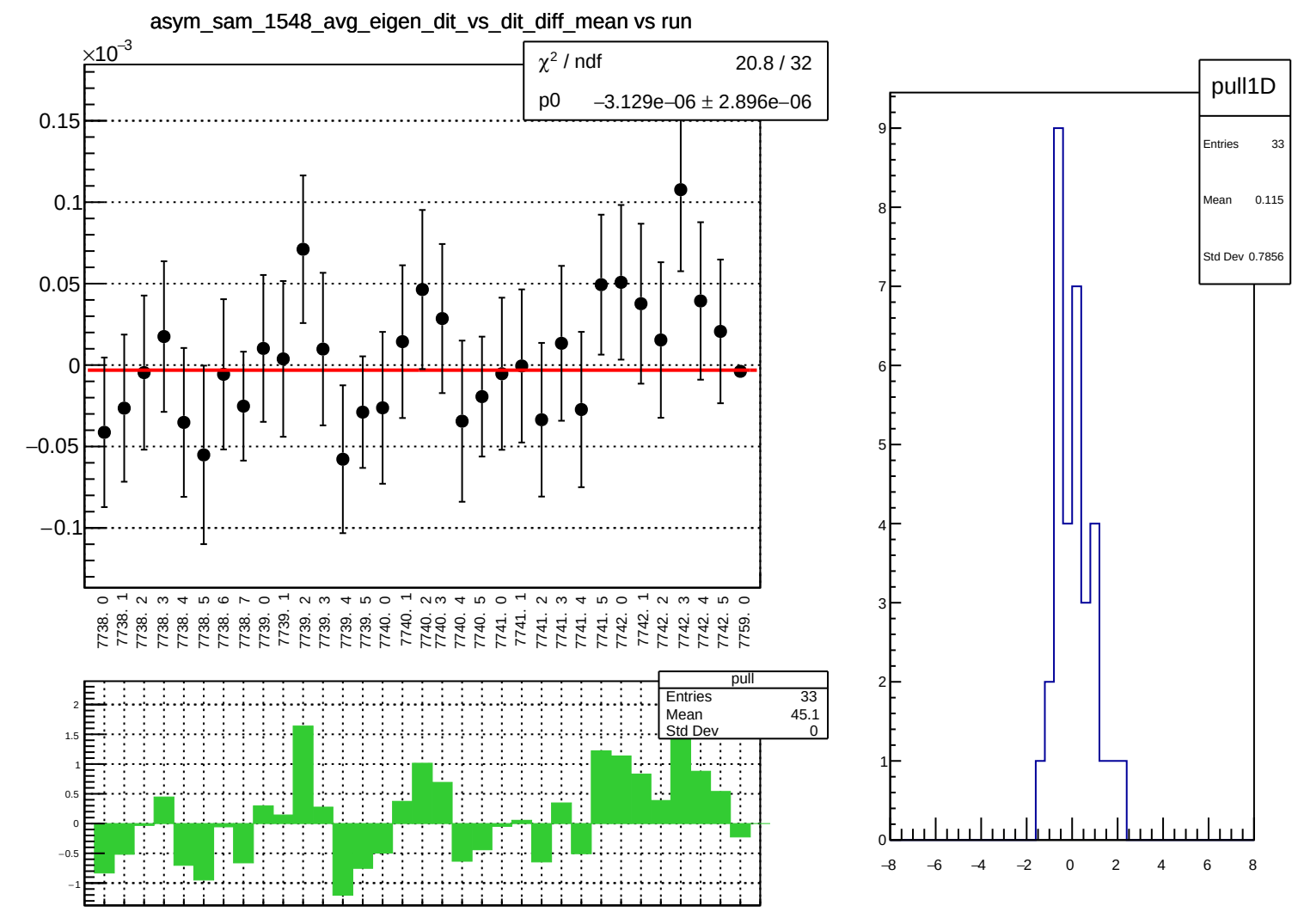

pull1D
Entries 33
Mean −0.01815
Std Dev 0.8751

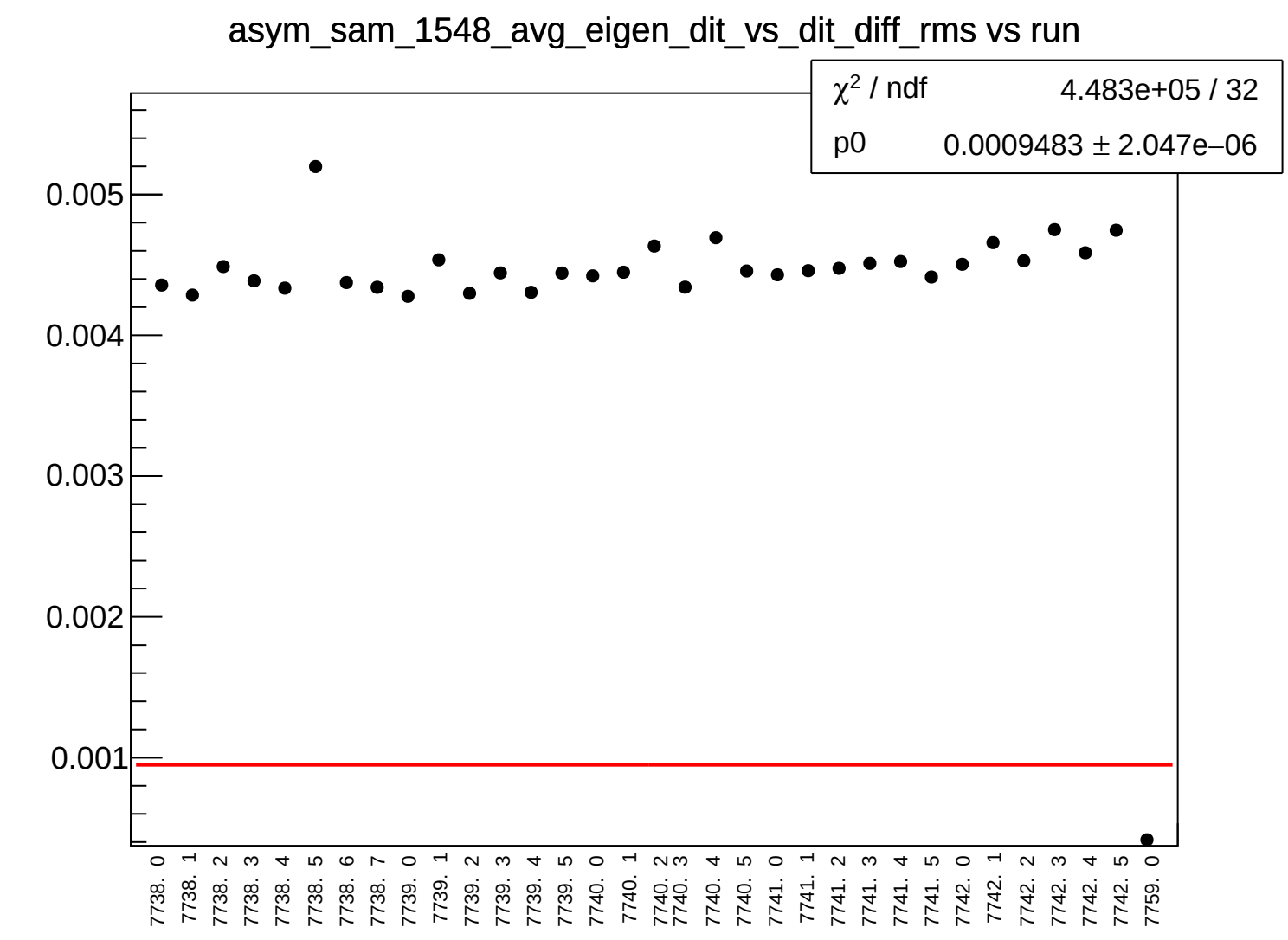

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.272e+04 / 32
p0 72.18 ± 0.08952
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

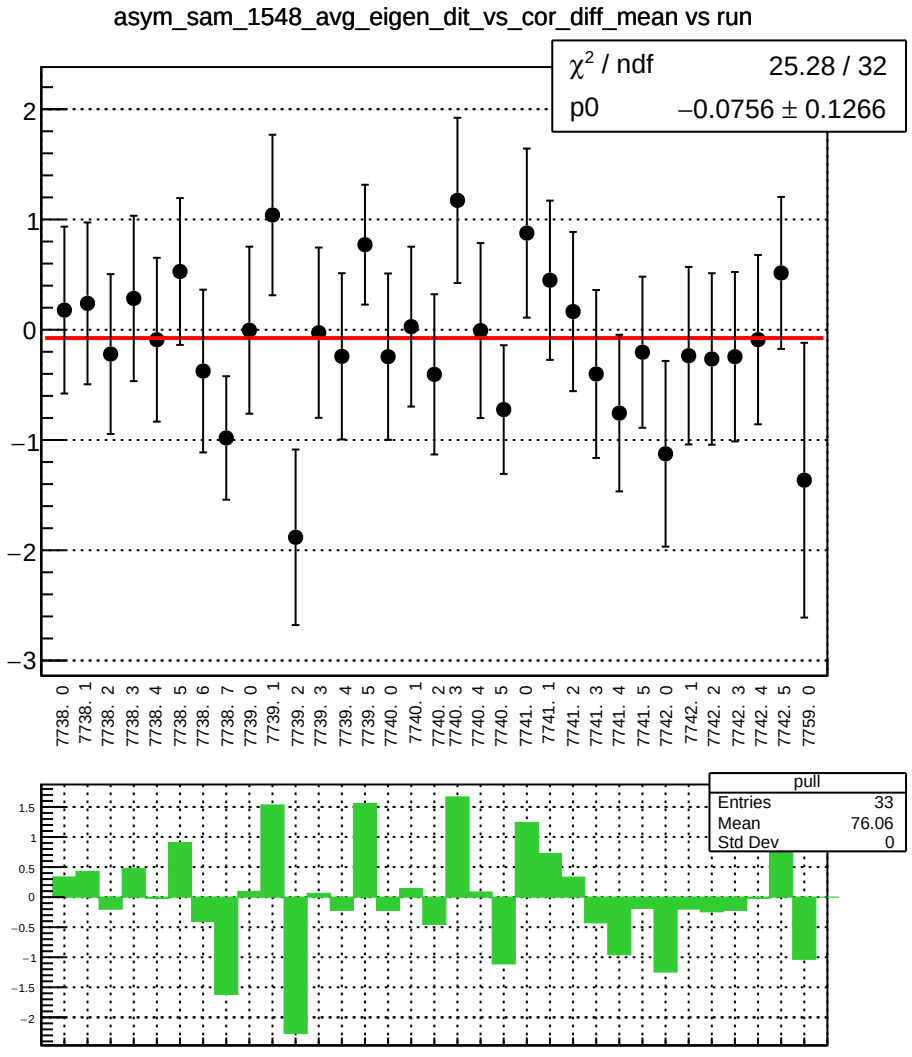

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.28 / 32
p0 −0.0756 ± 0.1266
pull
Entries 33
Mean 76.06
Std Dev 0

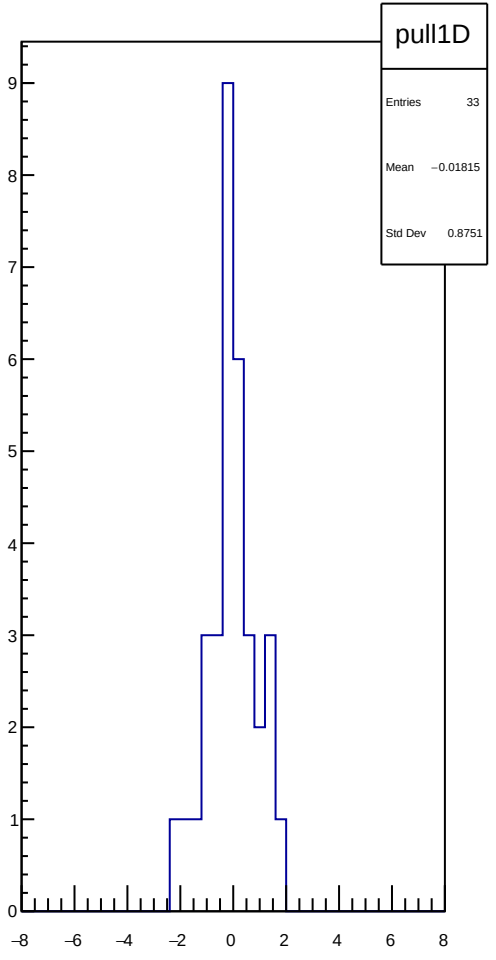

pull1D
Entries 33
Mean −0.01815
Std Dev 0.8751

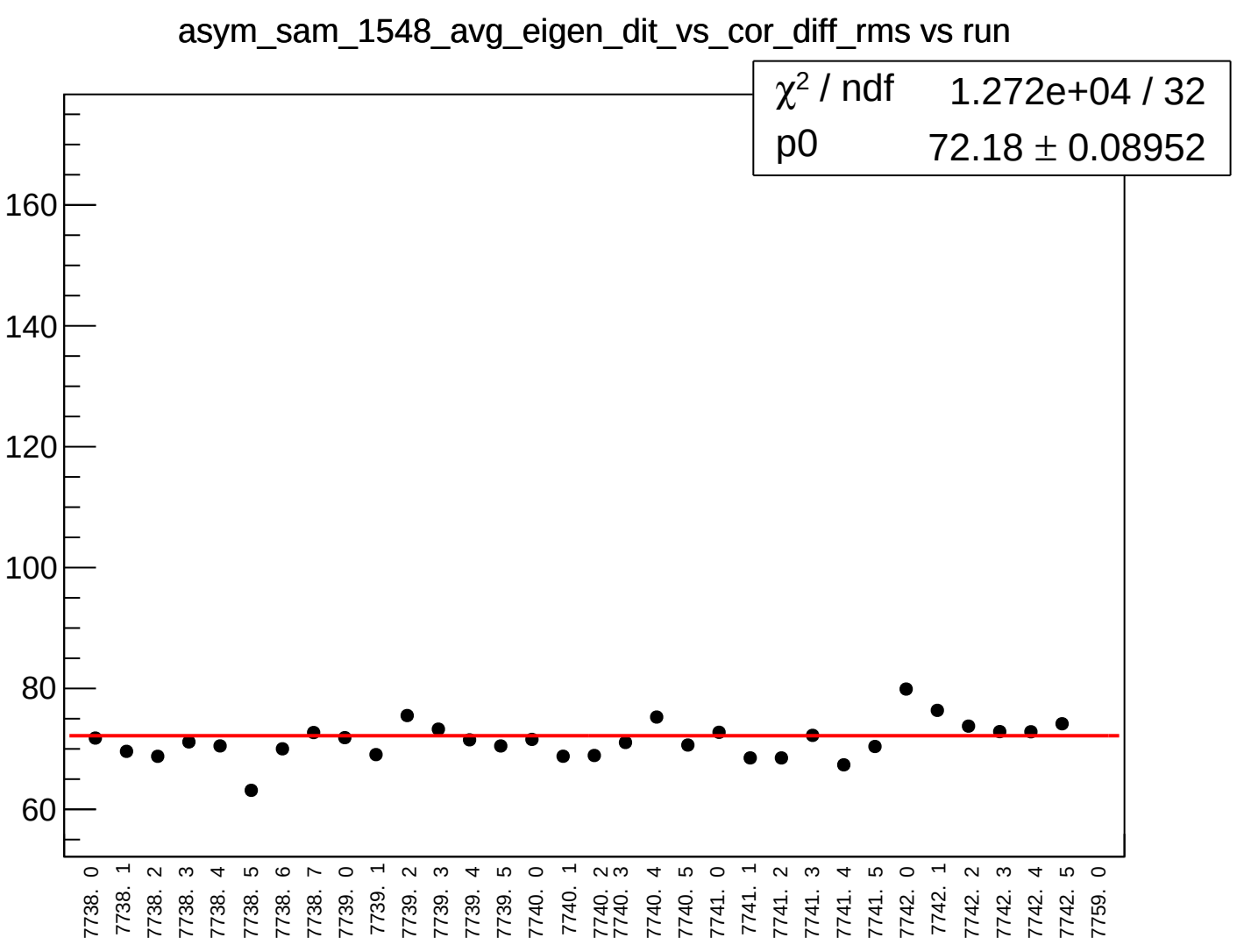

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.272e+04 / 32
p0 72.18 ± 0.08952
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

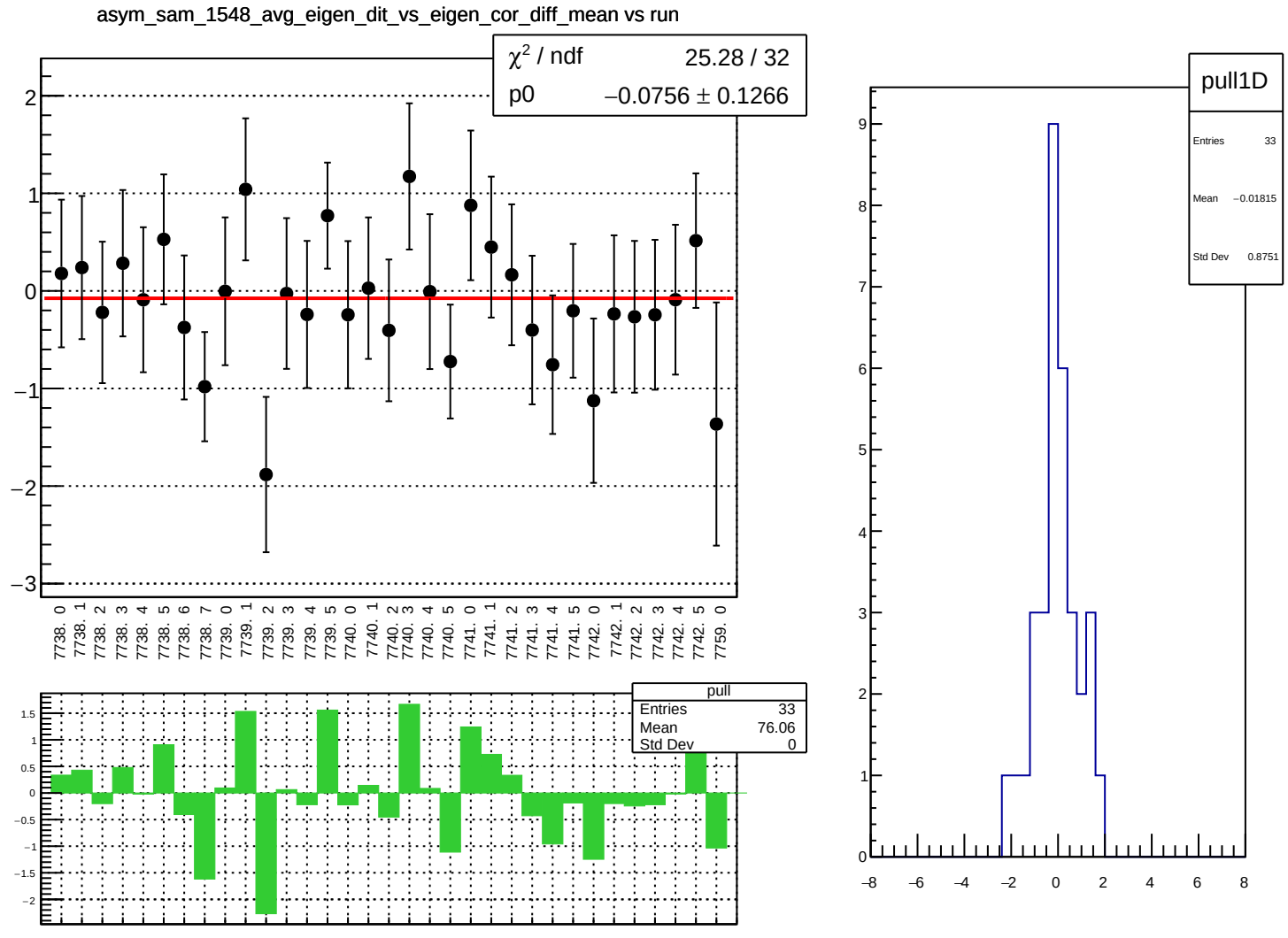

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 20.8 / 32
p0 −3.129e−06 ± 2.896e−06
0.15
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 45.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.115
Std Dev 0.7856
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

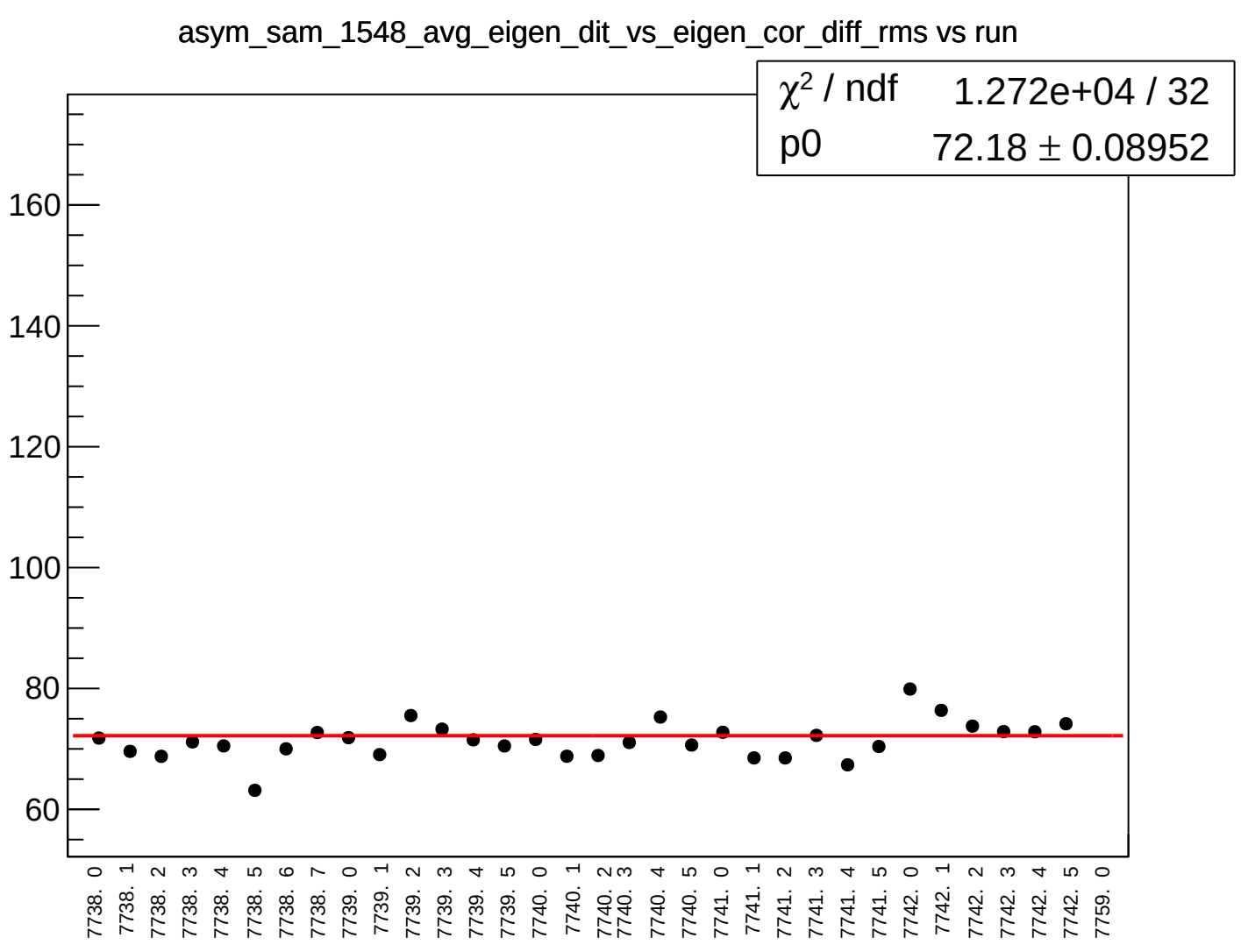

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.483e+05 / 32
p0 0.0009483 ± 2.047e−06
0.005
0.004
0.003
0.002
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

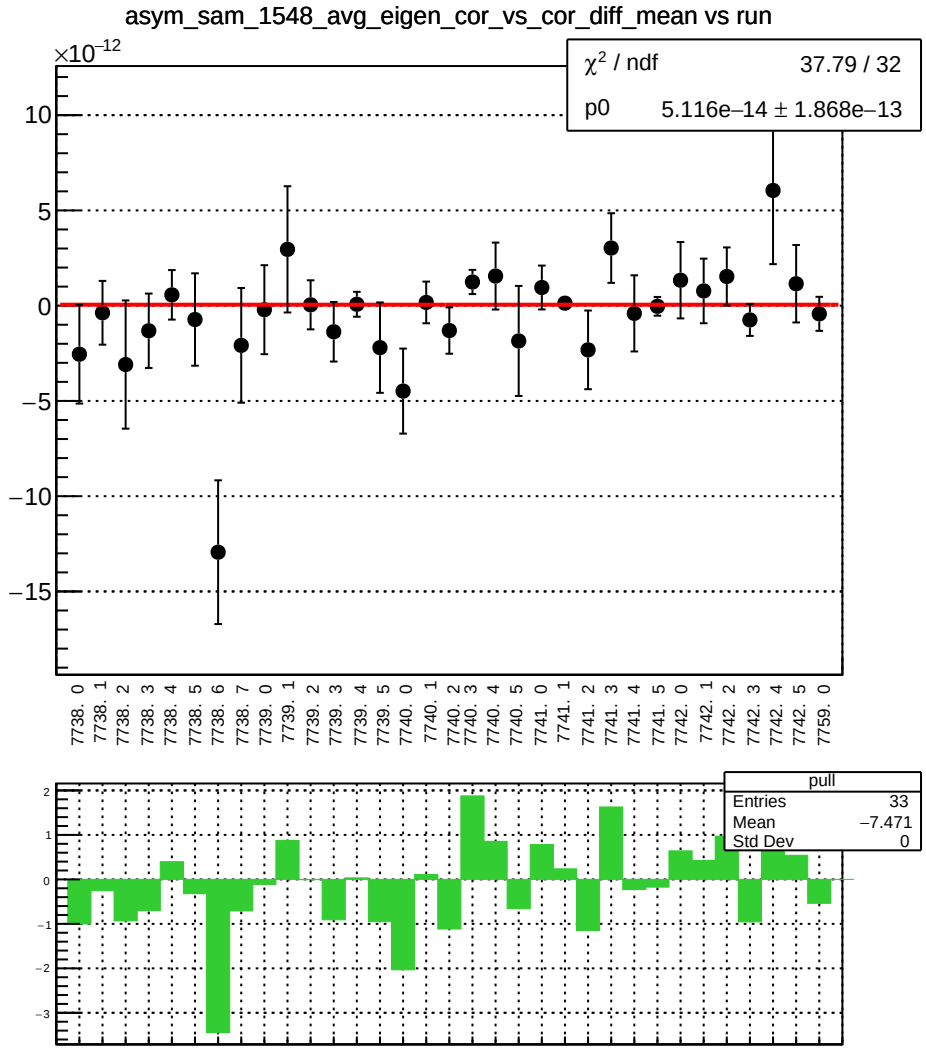

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 25.28 / 32
p0 −0.0756 ± 0.1266
pull
Entries 33
Mean 76.06
Std Dev 0

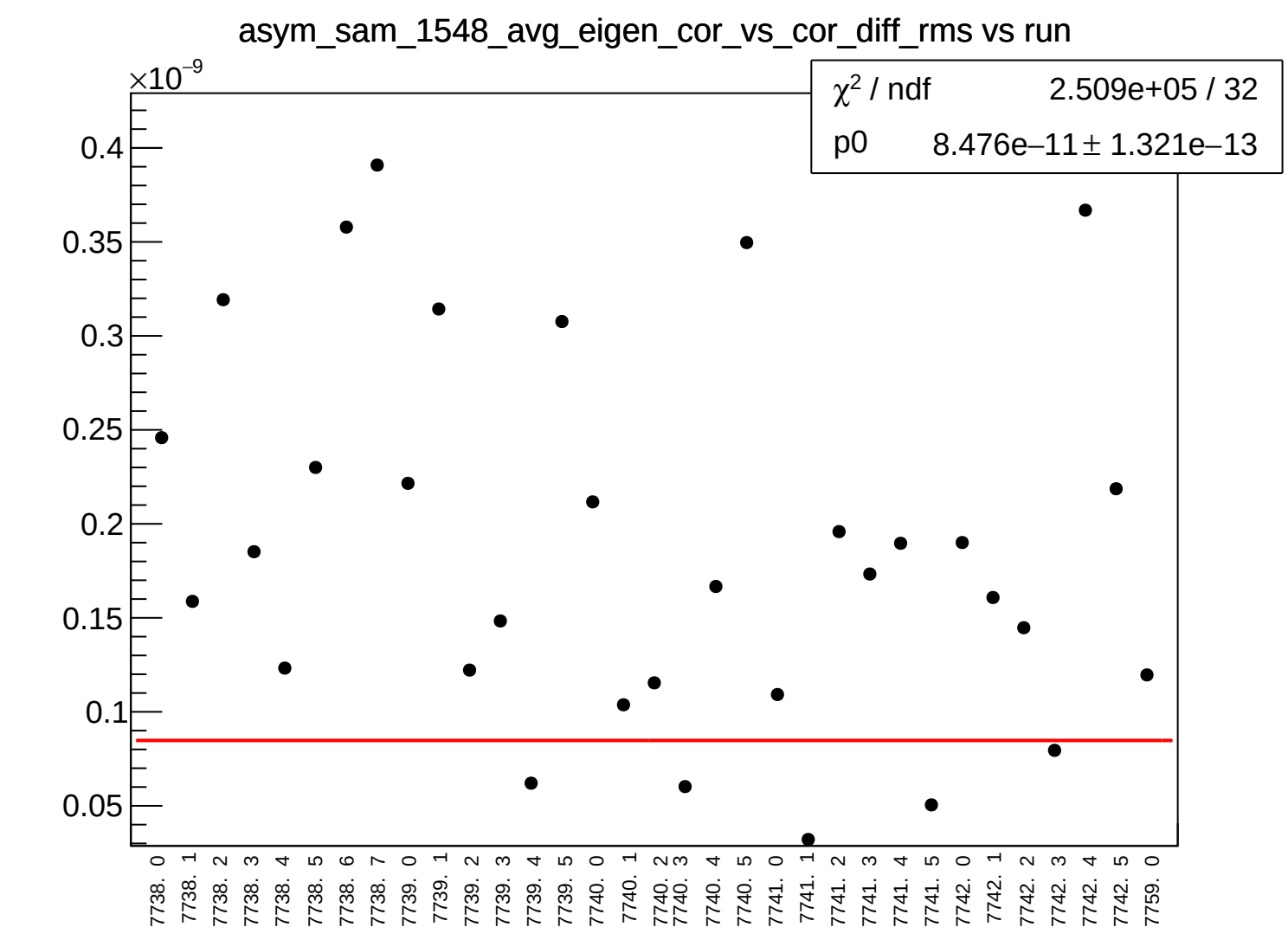

pull1D
Entries 33
Mean −0.01815
Std Dev 0.8751

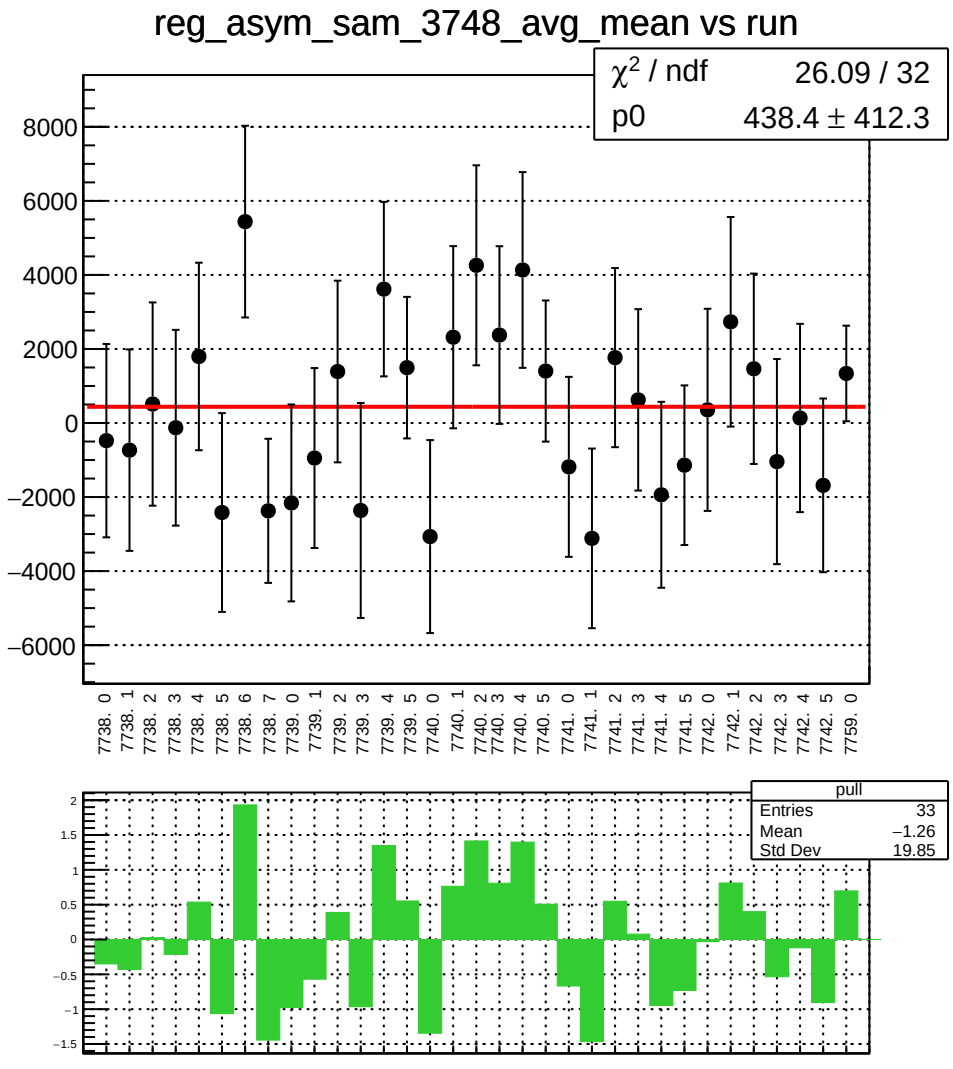

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.272e+04 / 32
p0 72.18 ± 0.08952
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

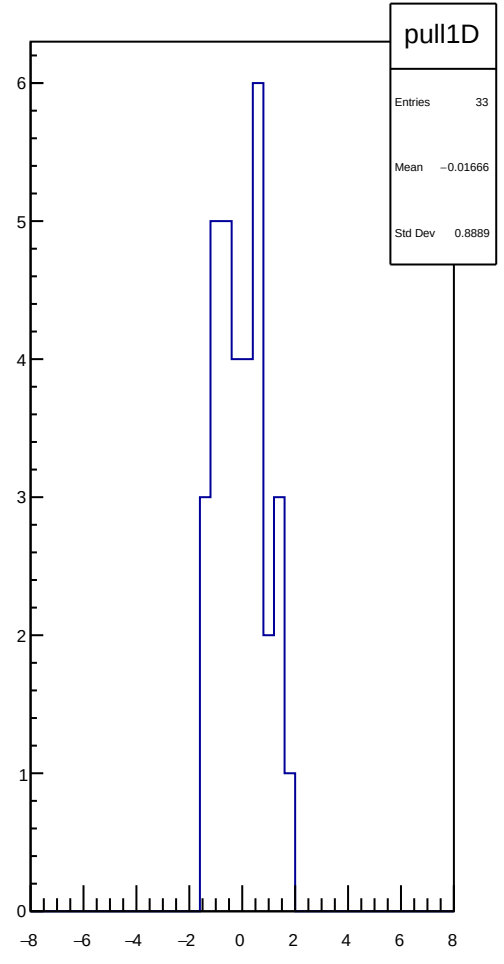

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.28 / 32
p0 −0.0756 ± 0.1266
2
1
0
−1
−2
−3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 76.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01815
Std Dev 0.8751
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

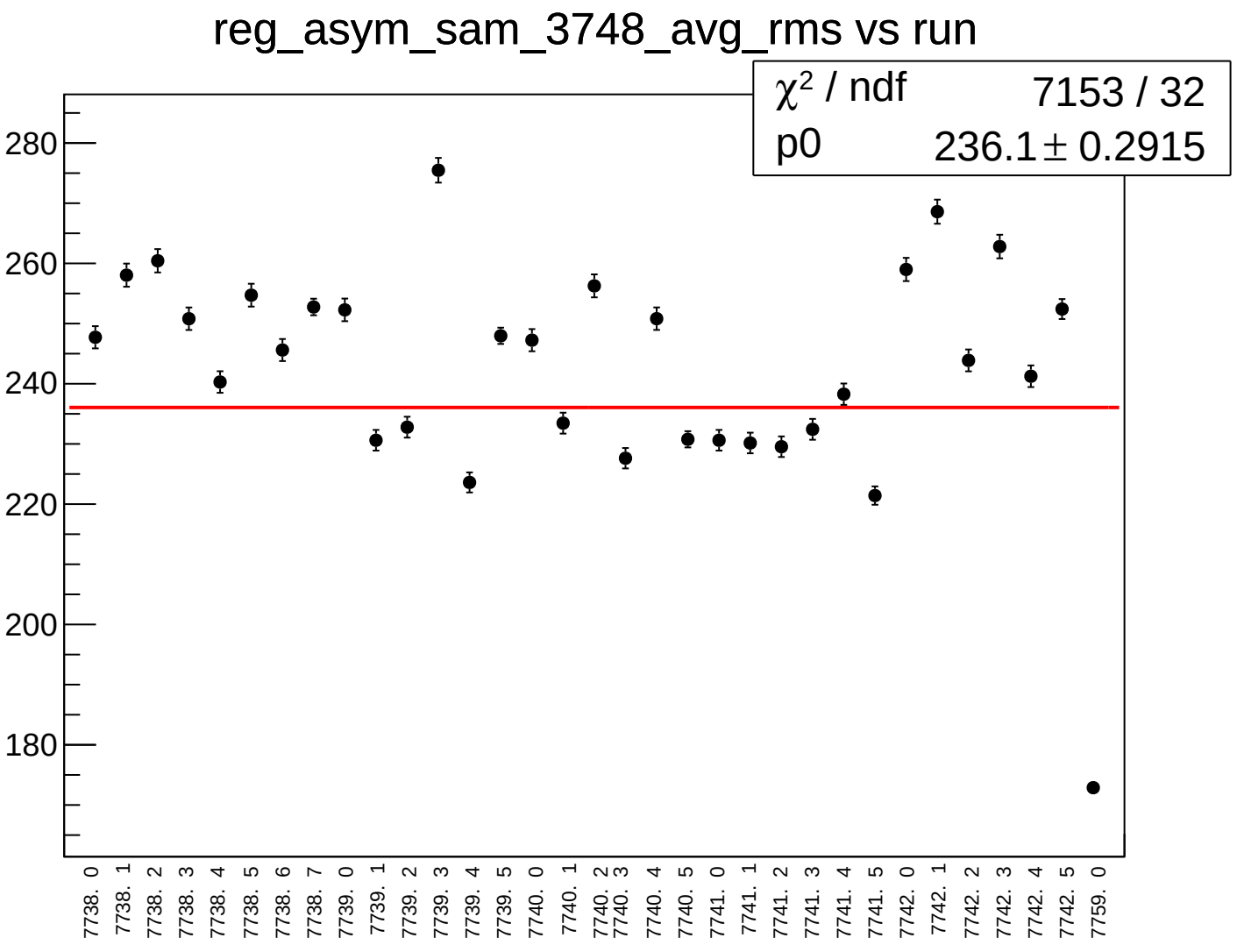

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.272e+04 / 32
p0 72.18 ± 0.08952
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

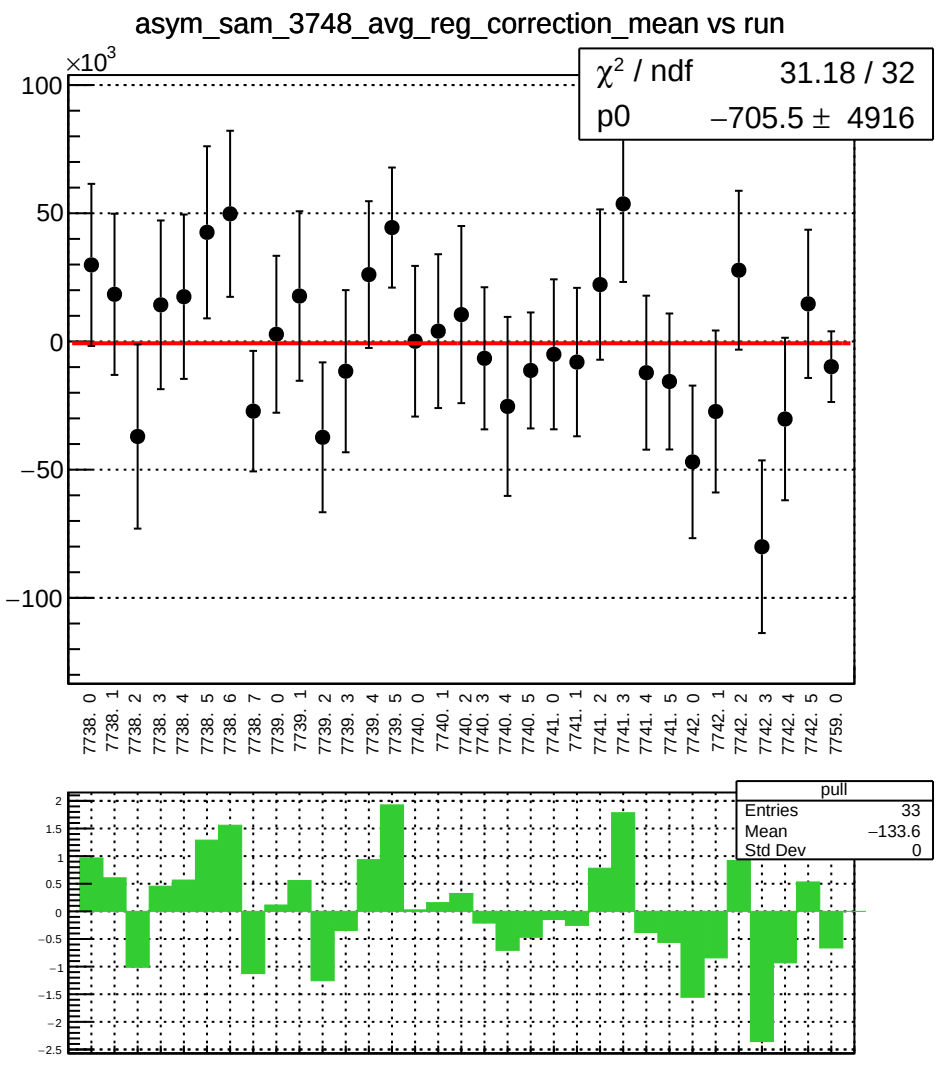

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 37.79 / 32
p0 5.116e−14 ± 1.868e−13
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.471
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.1596
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

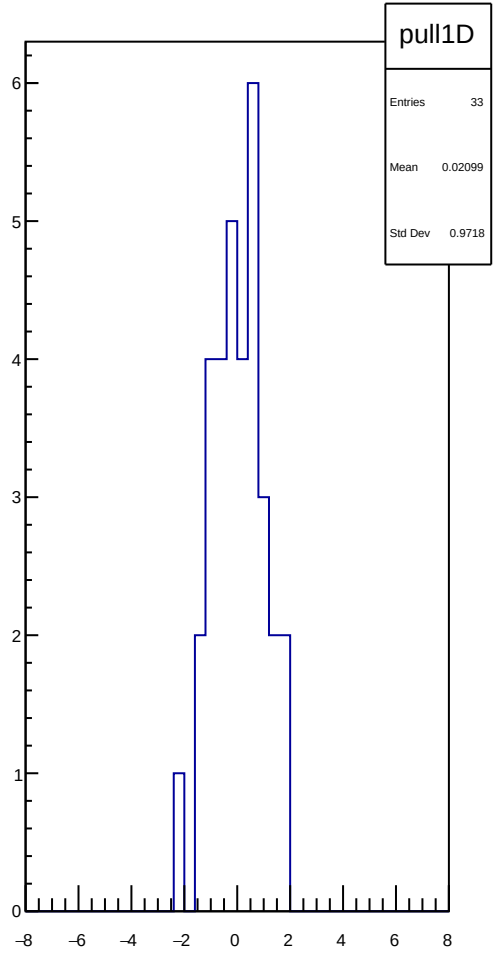

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.509e+05 / 32
p0 8.476e−11 ± 1.321e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

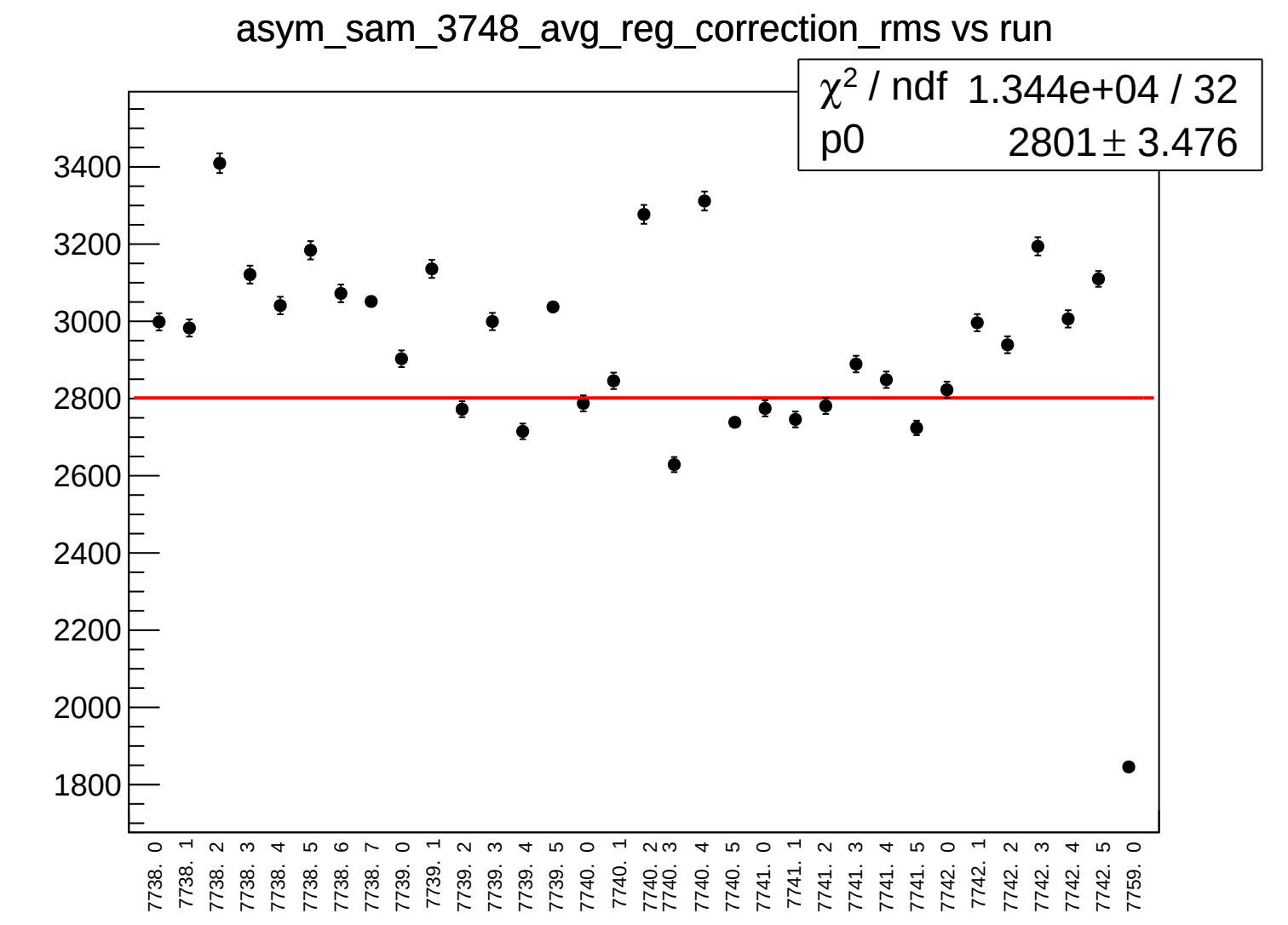

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 26.09 / 32
p0 438.4 ± 412.3
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.26
Std Dev 19.85
2
1.5
1
0.5
0
−0.5
−1
−1.5

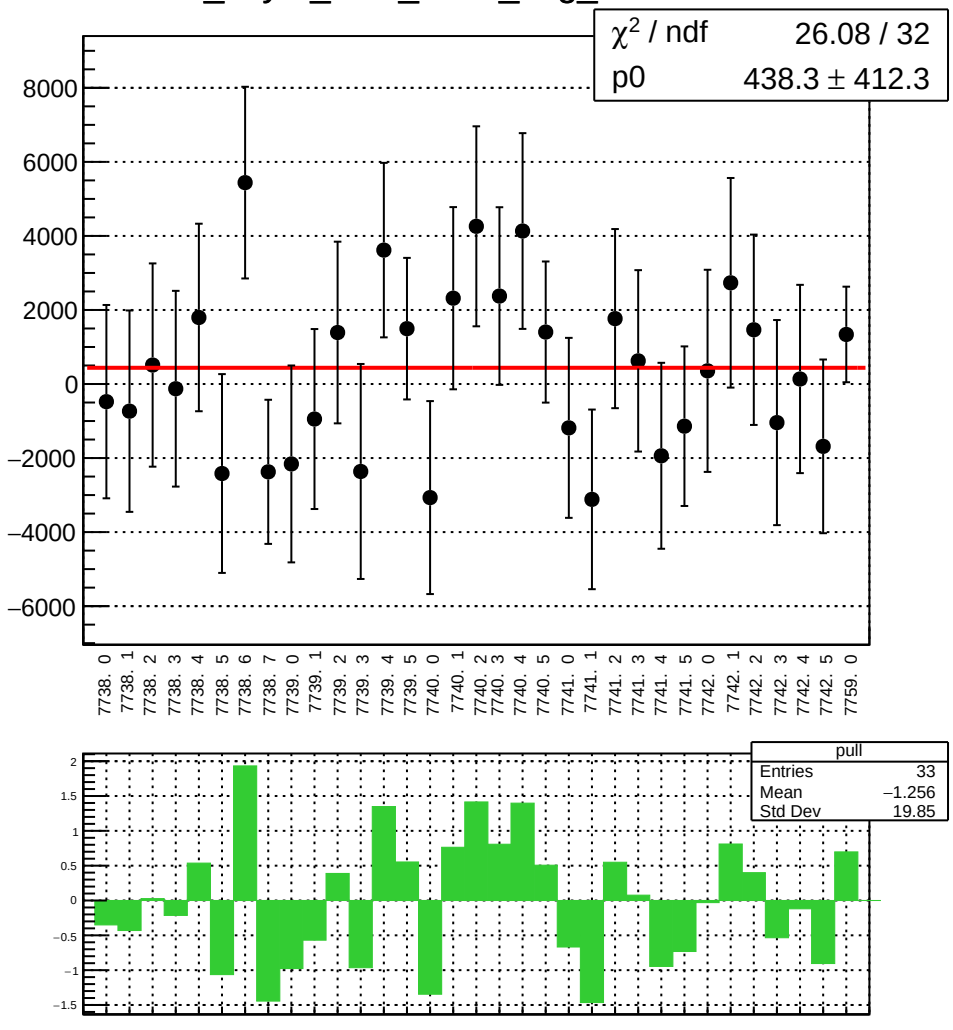

pull1D
Entries 33
Mean −0.01666
Std Dev 0.8889
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

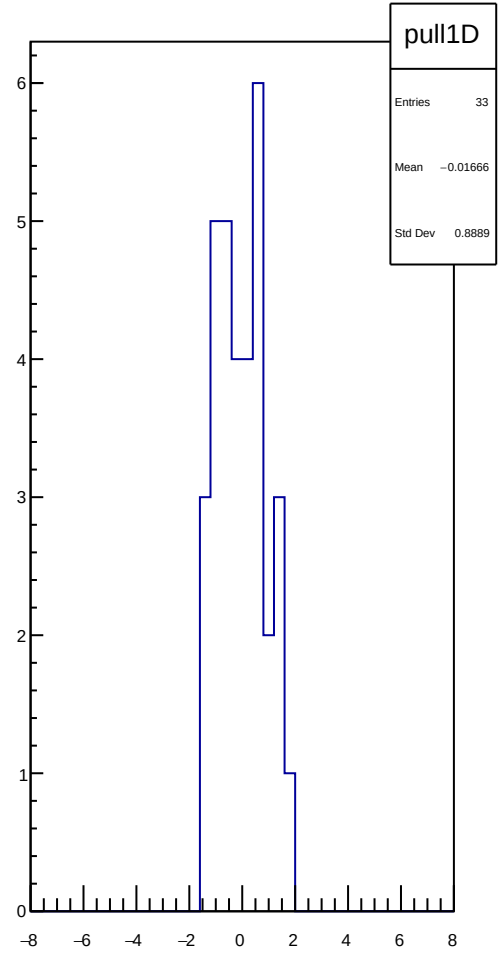

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 7153 / 32
p0 236.1 ± 0.2915
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

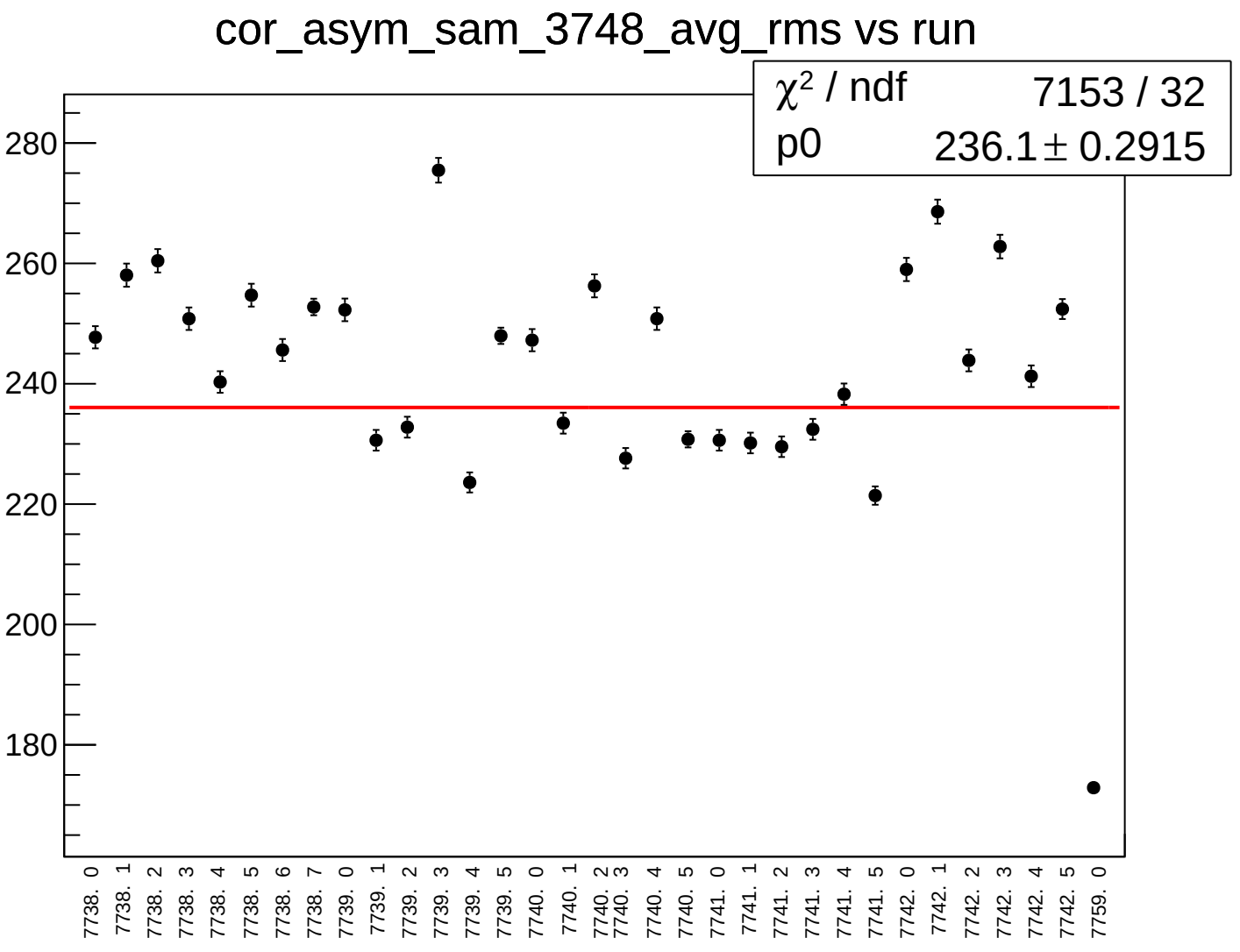

asym_sam_3748_avg_reg_correction_mean vs run
×10^3
χ² / ndf 31.18 / 32
p0 −705.5 ± 4916
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −133.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

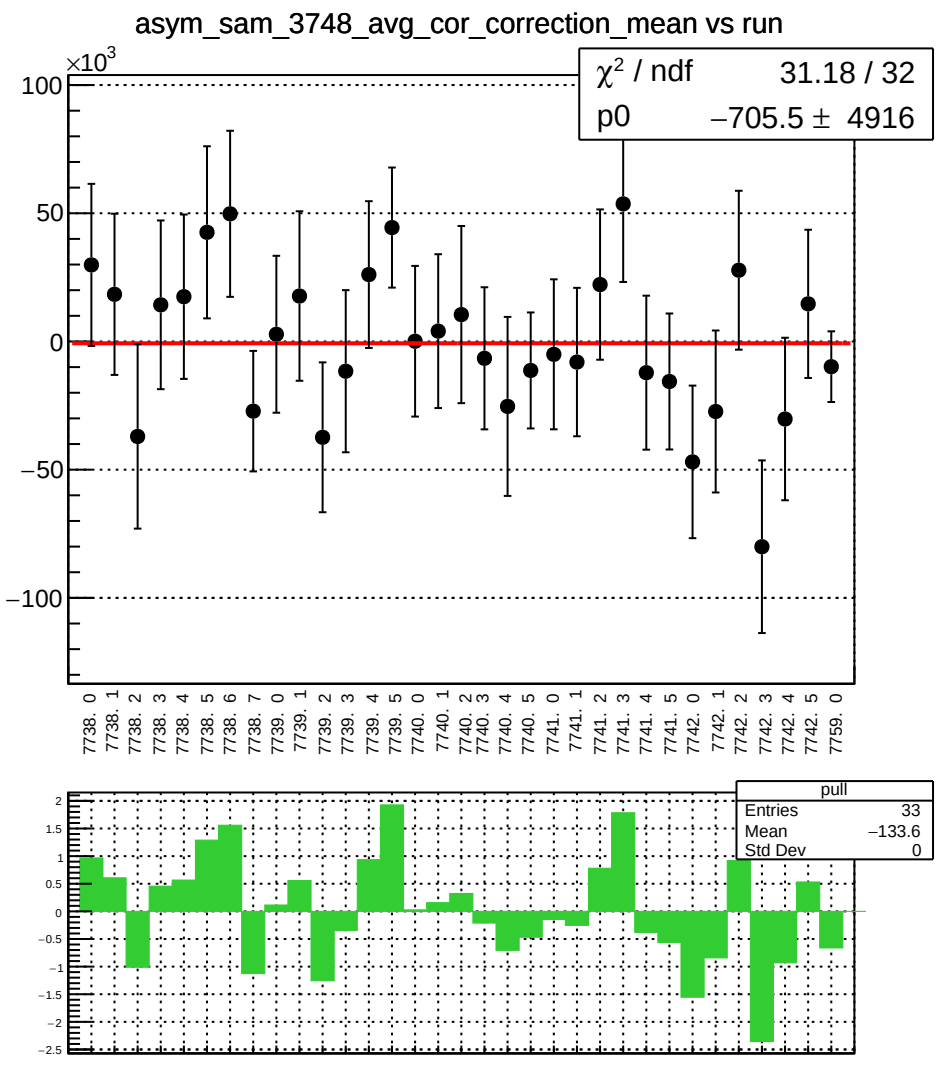

pull1D
Entries 33
Mean 0.02099
Std Dev 0.9718
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

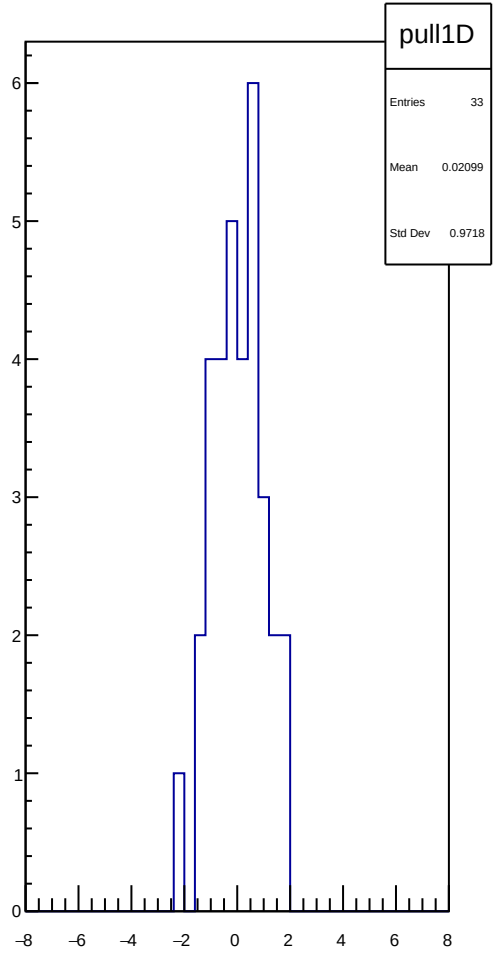

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1.344e+04 / 32
p0 2801 ± 3.476
3400
3200
3000
2800
2600
2400
2200
2000
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

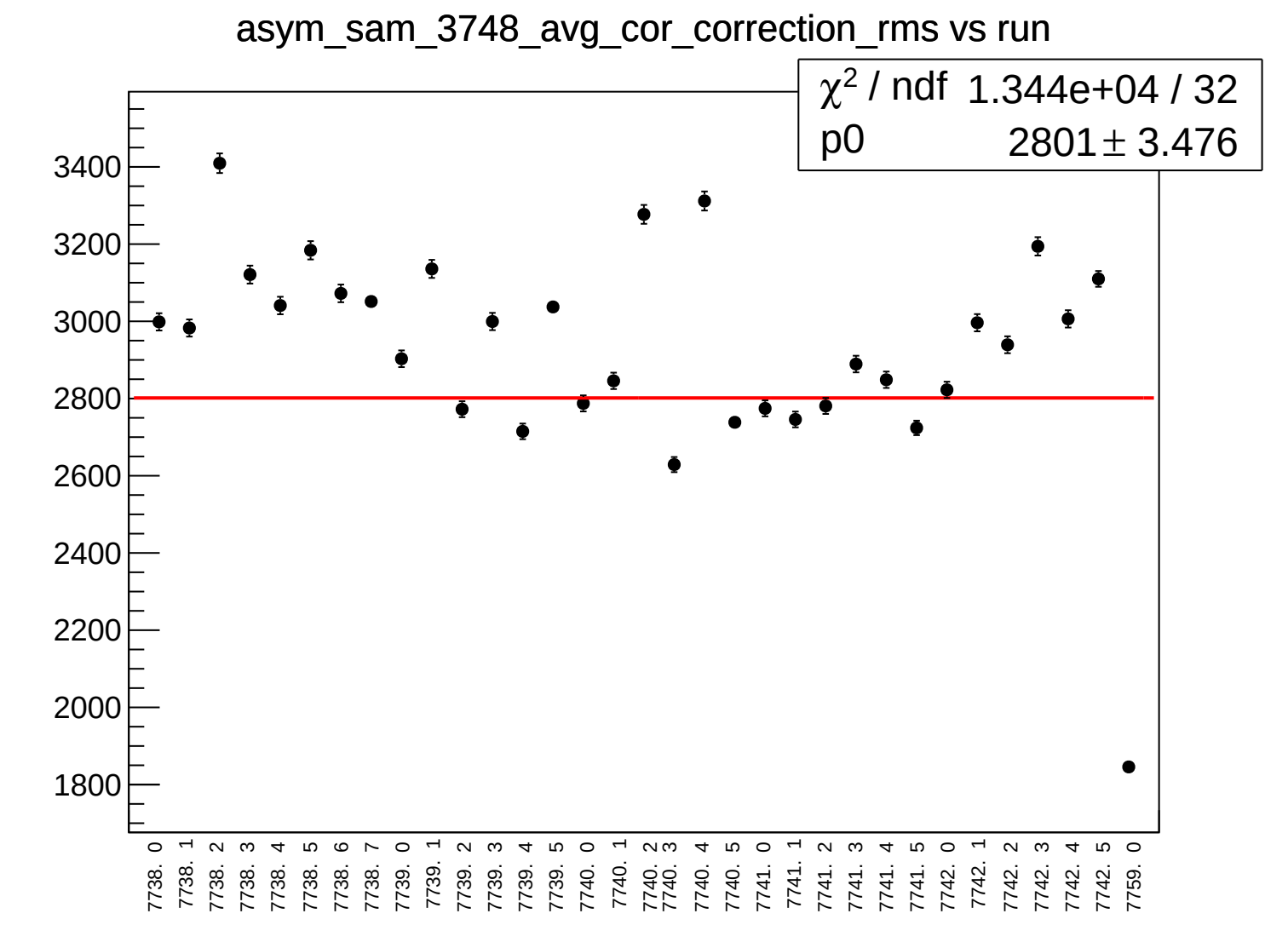

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 26.08 / 32
p0 438.3 ± 412.3
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.256
Std Dev 19.85
2
1.5
1
0.5
0
−0.5
−1
−1.5

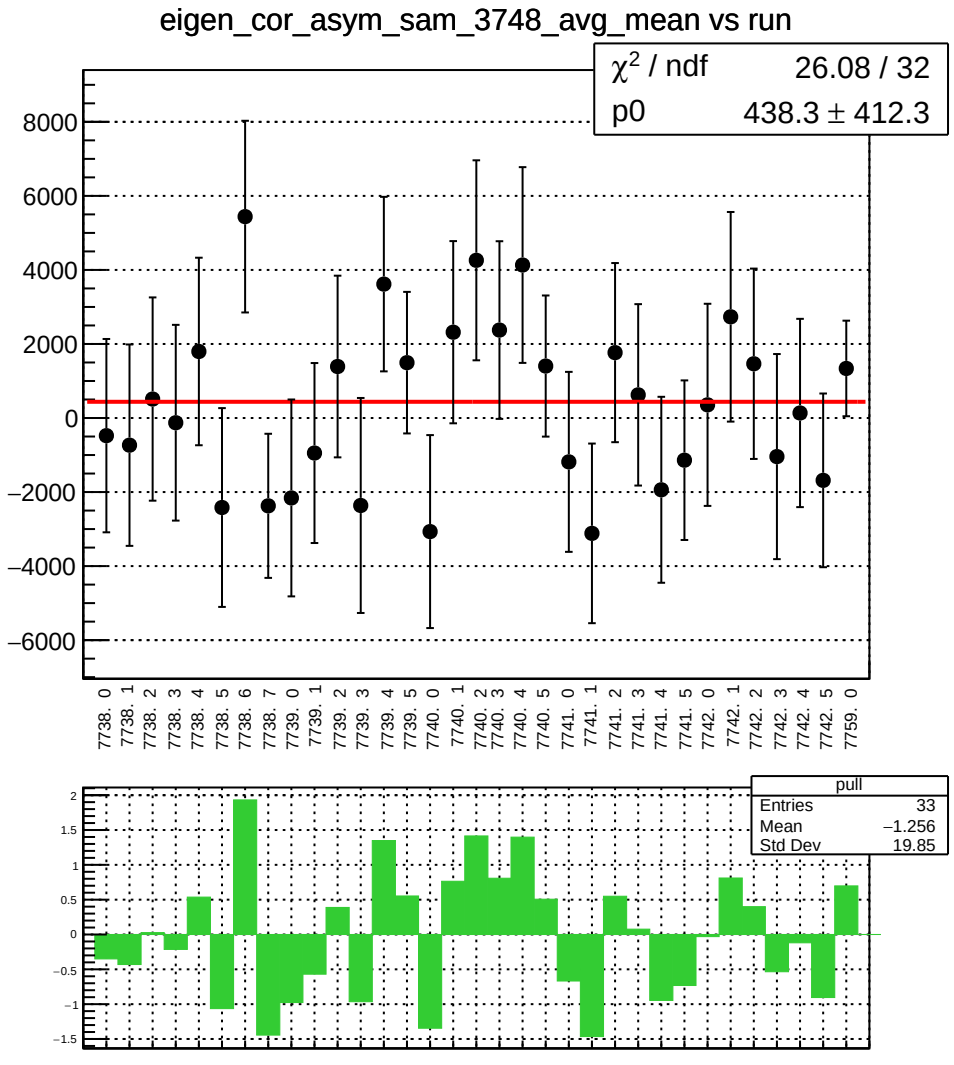

pull1D
Entries 33
Mean −0.01666
Std Dev 0.8889
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

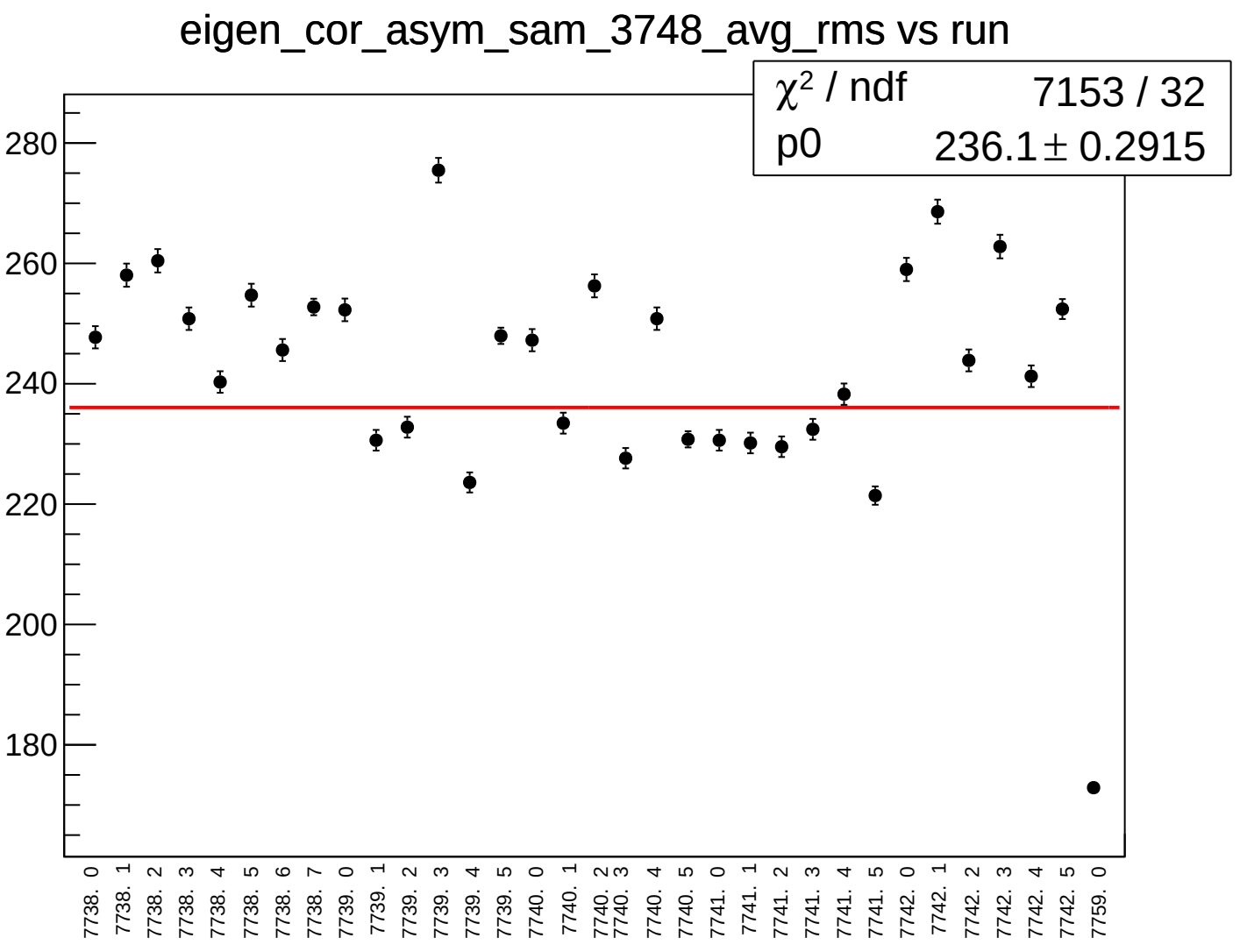

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 7153 / 32
p0 236.1 ± 0.2915
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

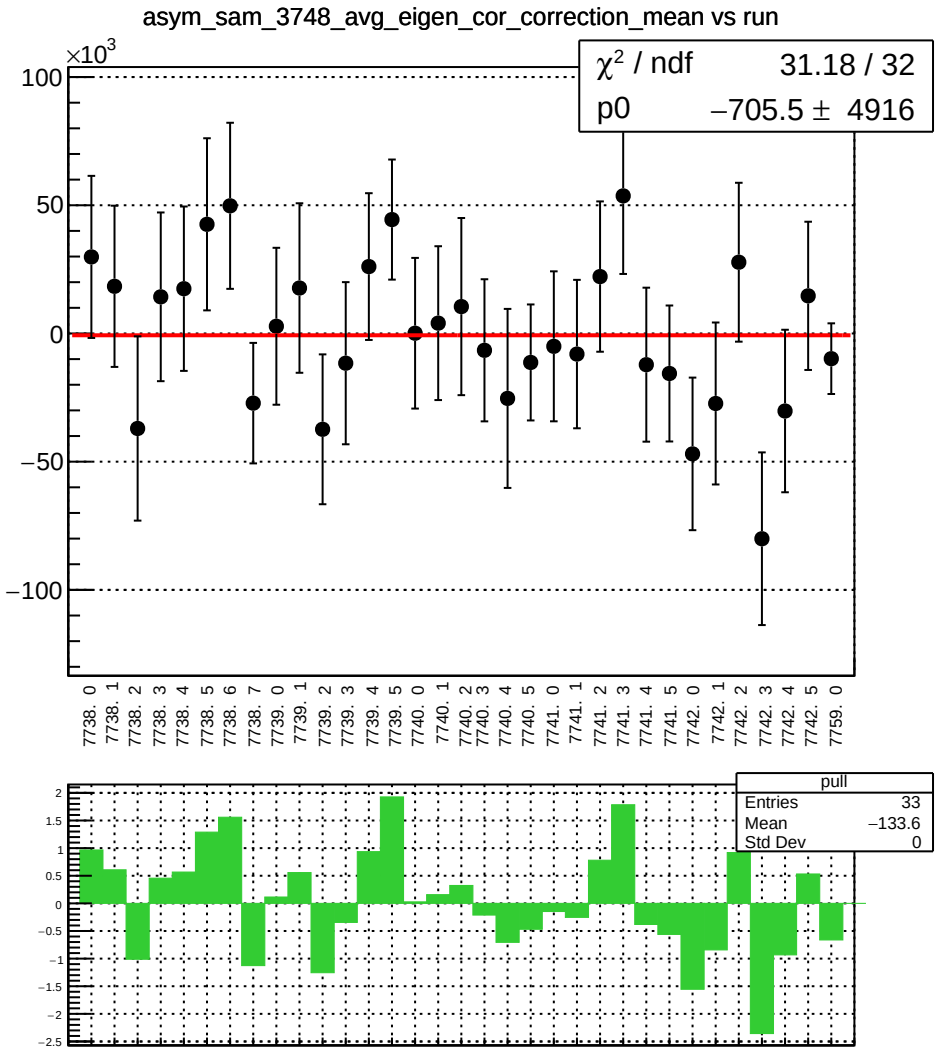

asym_sam_3748_avg_cor_correction_mean vs run
×10^3
χ² / ndf 31.18 / 32
p0 −705.5 ± 4916
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −133.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

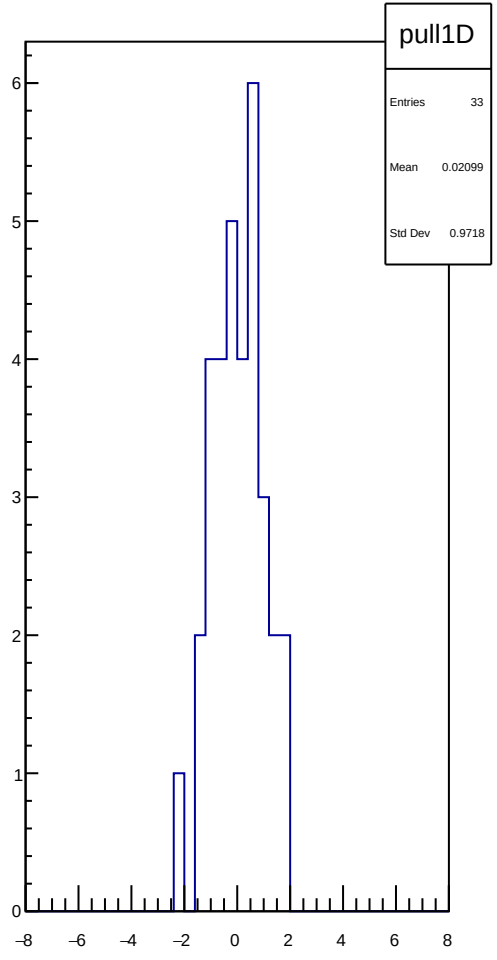

pull1D
Entries 33
Mean 0.02099
Std Dev 0.9718
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

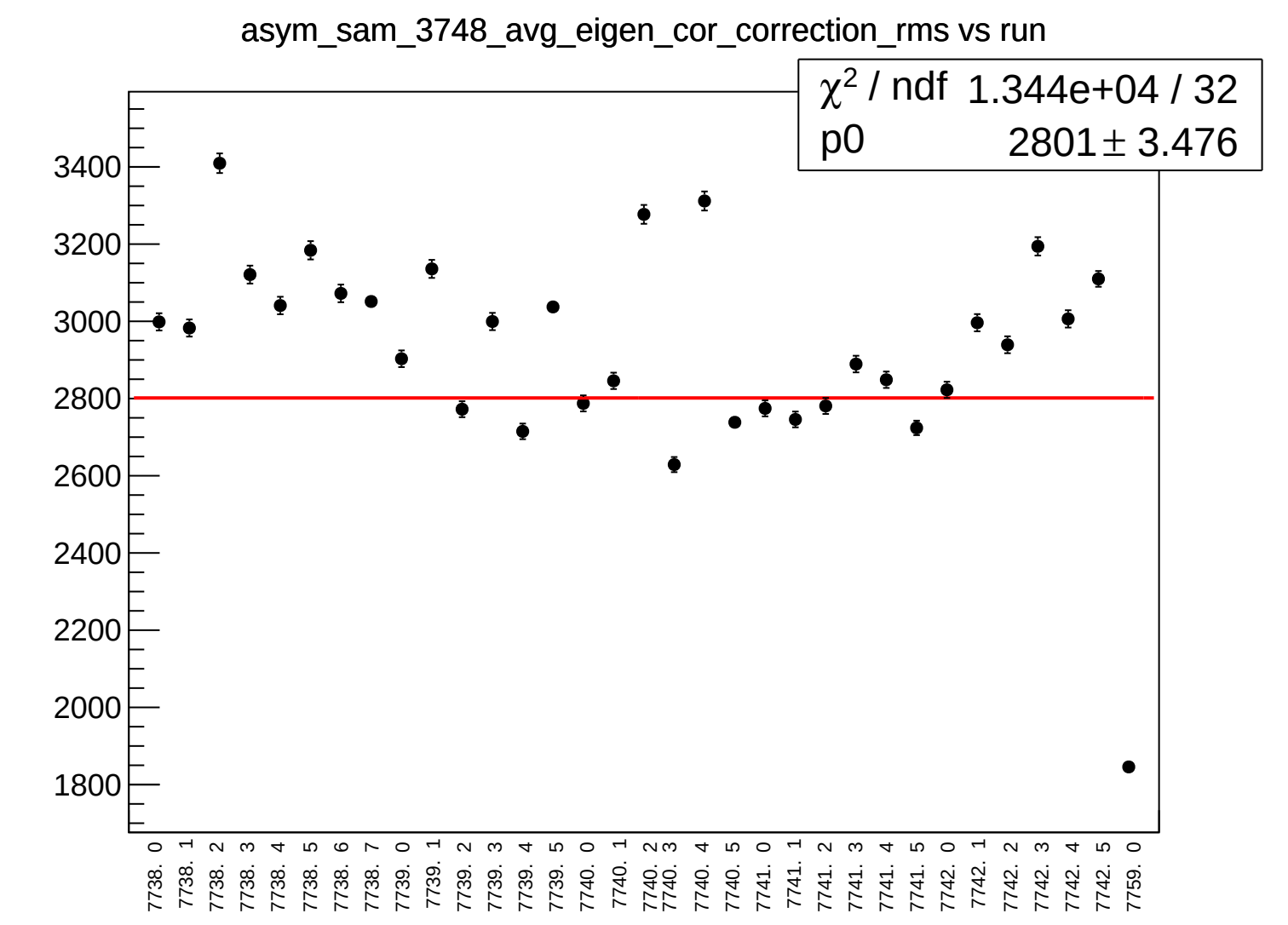

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1.344e+04 / 32
p0 2801 ± 3.476
3400
3200
3000
2800
2600
2400
2200
2000
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

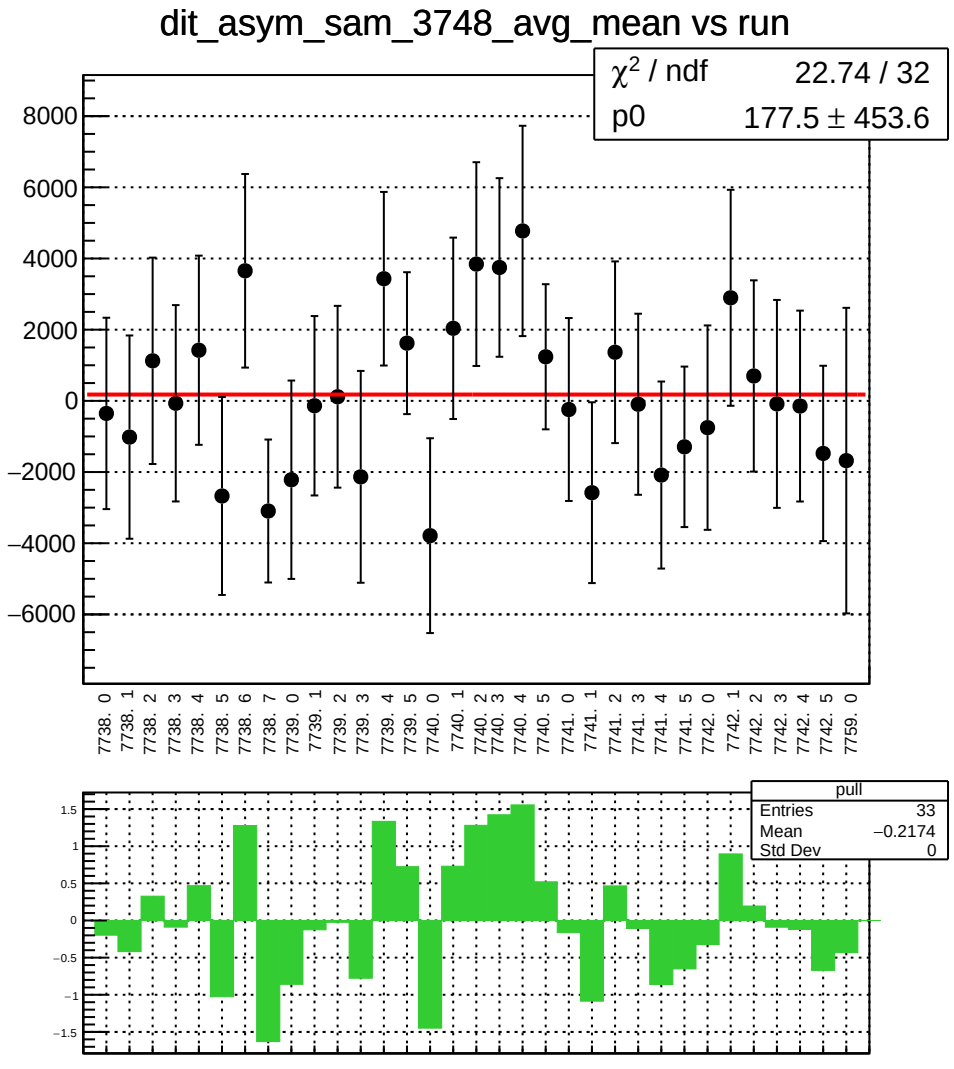

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 26.08 / 32
p0 438.3 ± 412.3
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.256
Std Dev 19.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01666
Std Dev 0.8889
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

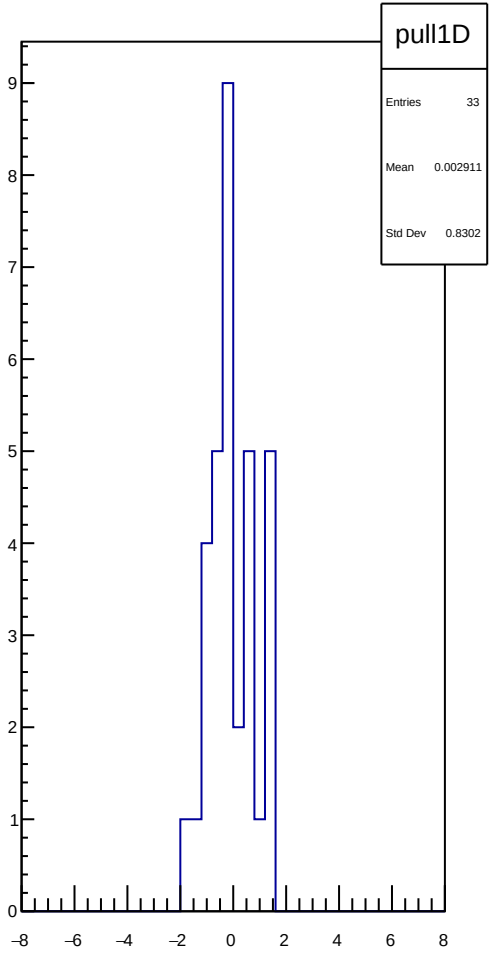

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 7153 / 32
p0 236.1 ± 0.2915
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

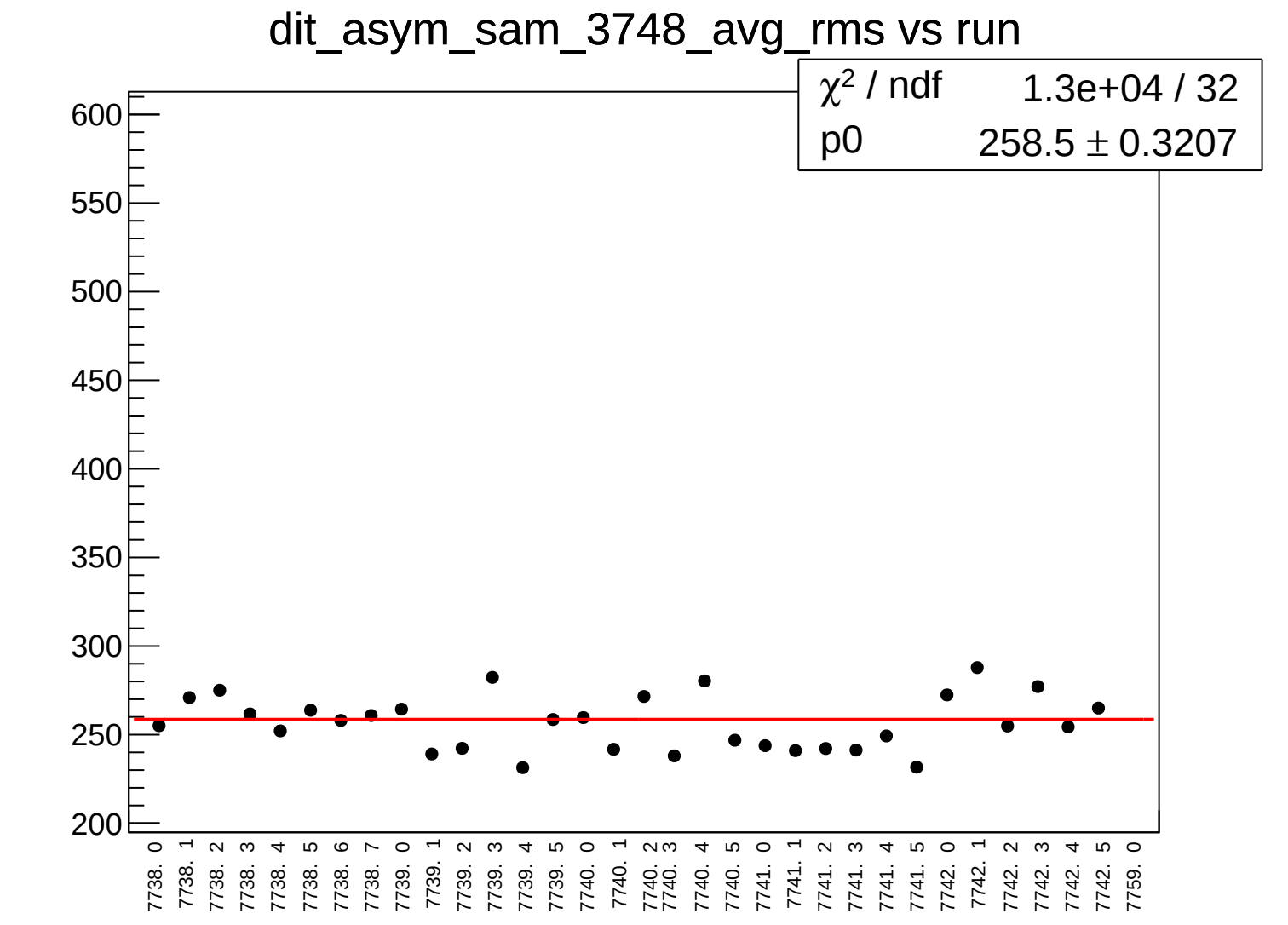

asym_sam_3748_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.18 / 32
p0 −705.5 ± 4916
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −133.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

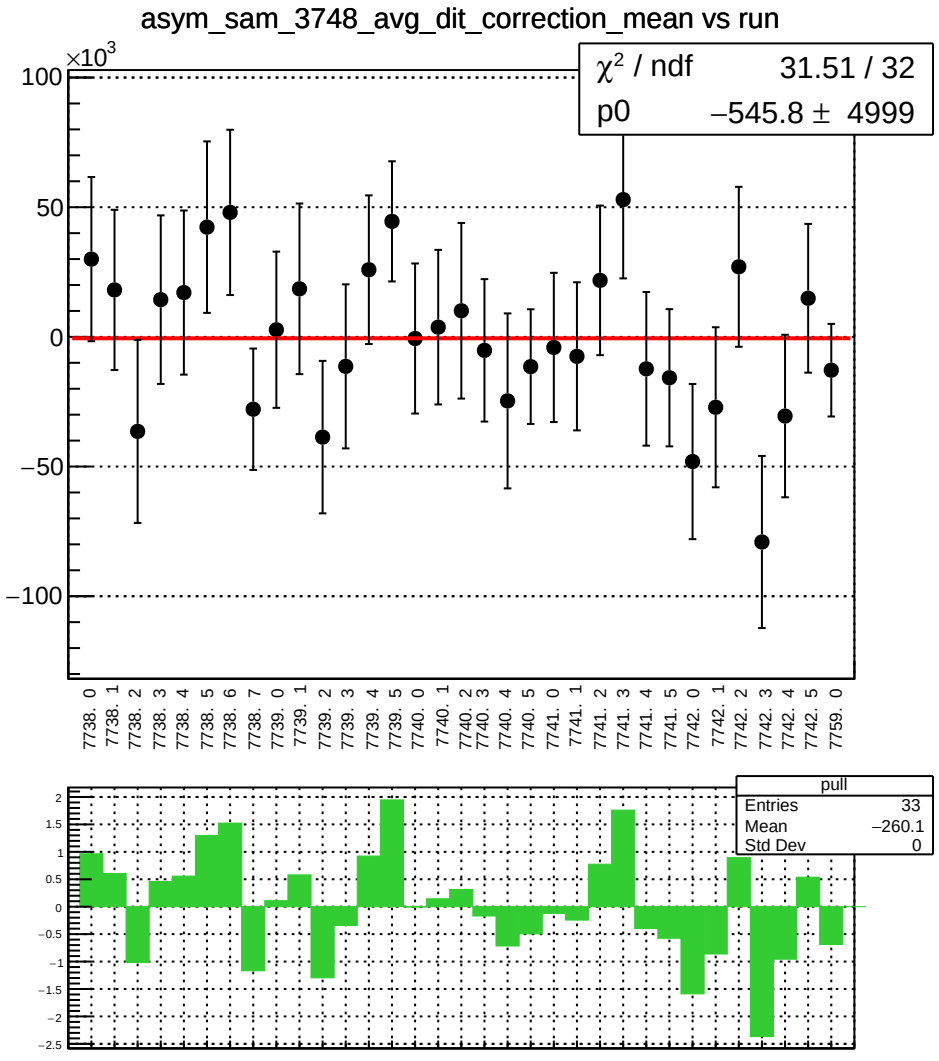

pull1D
Entries 33
Mean 0.02099
Std Dev 0.9718
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

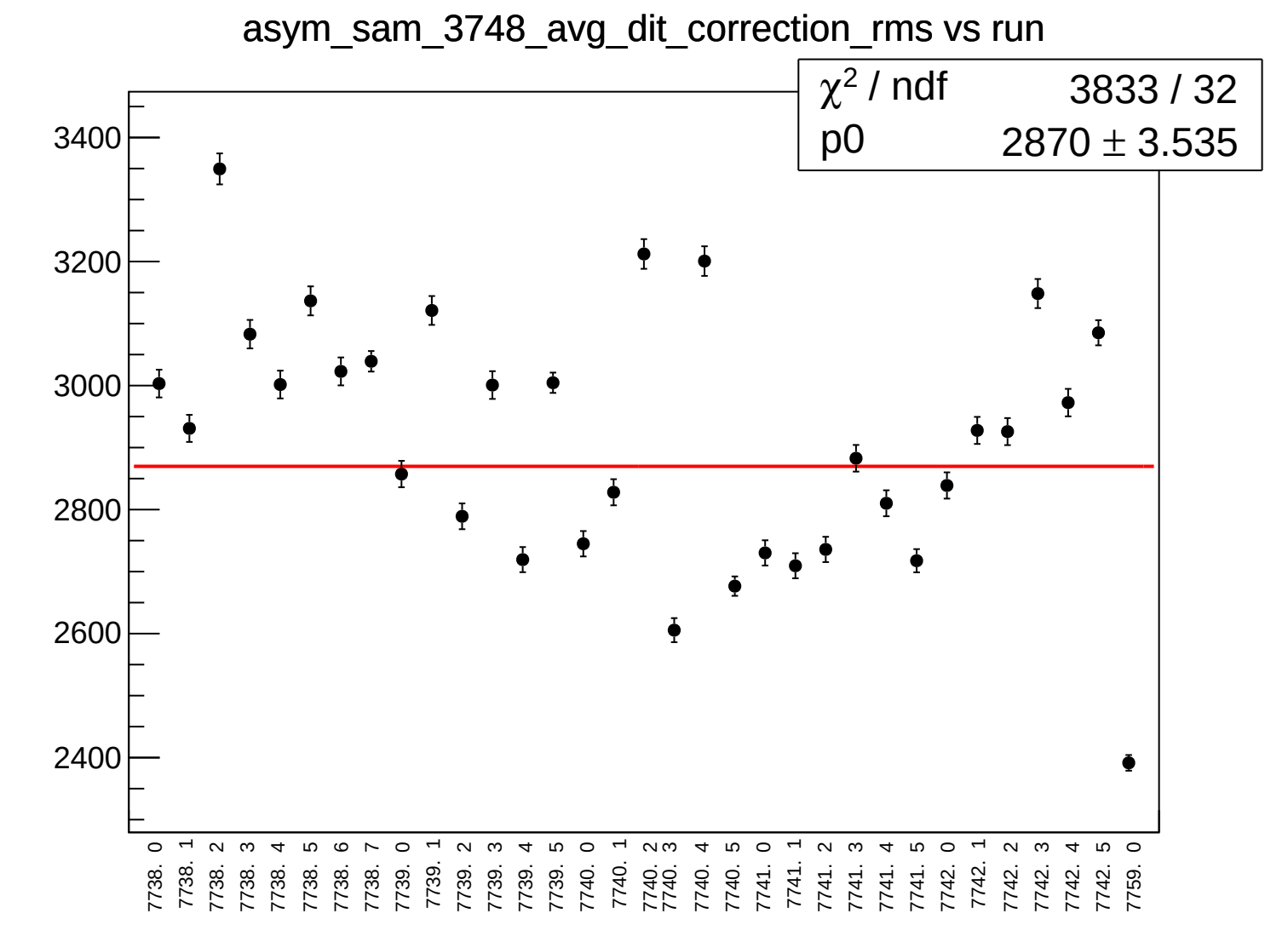

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.344e+04 / 32
p0 2801 ± 3.476
3400
3200
3000
2800
2600
2400
2200
2000
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

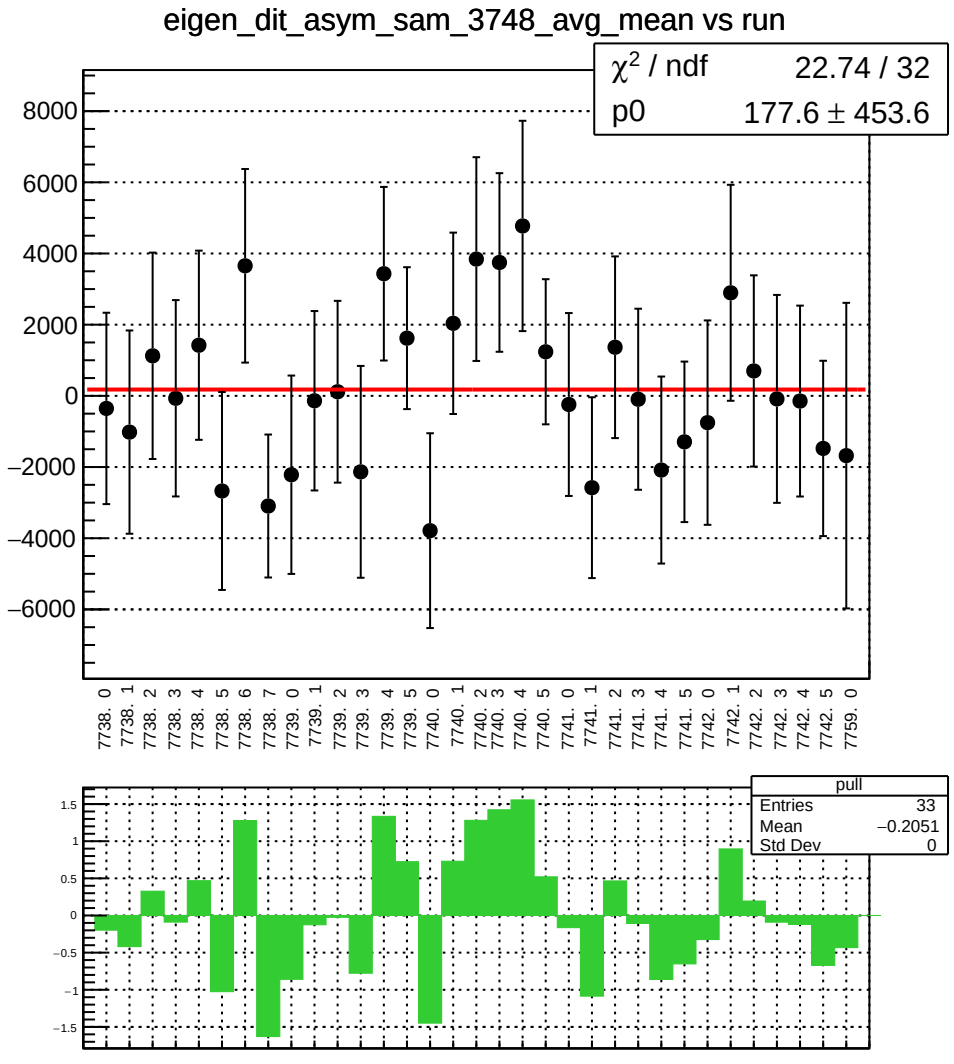

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 22.74 / 32
p0 177.5 ± 453.6
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.2174
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

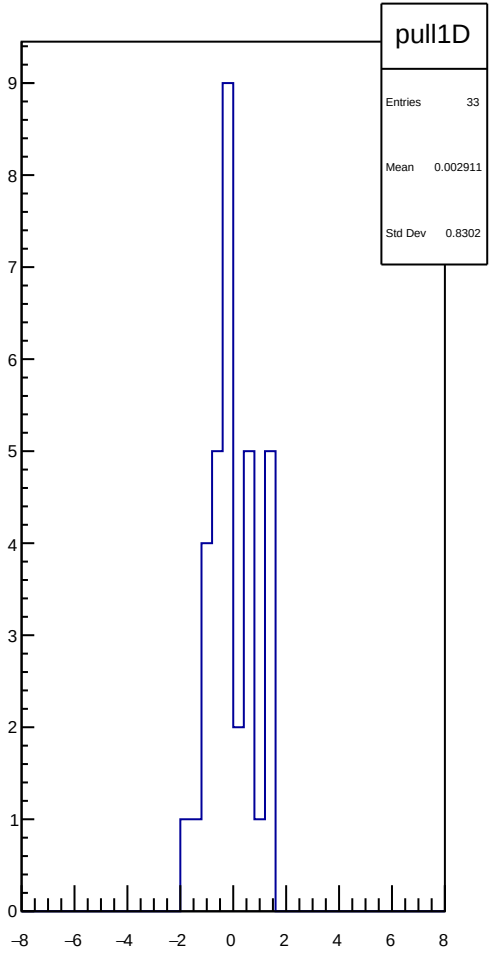

pull1D
Entries 33
Mean 0.002911
Std Dev 0.8302
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

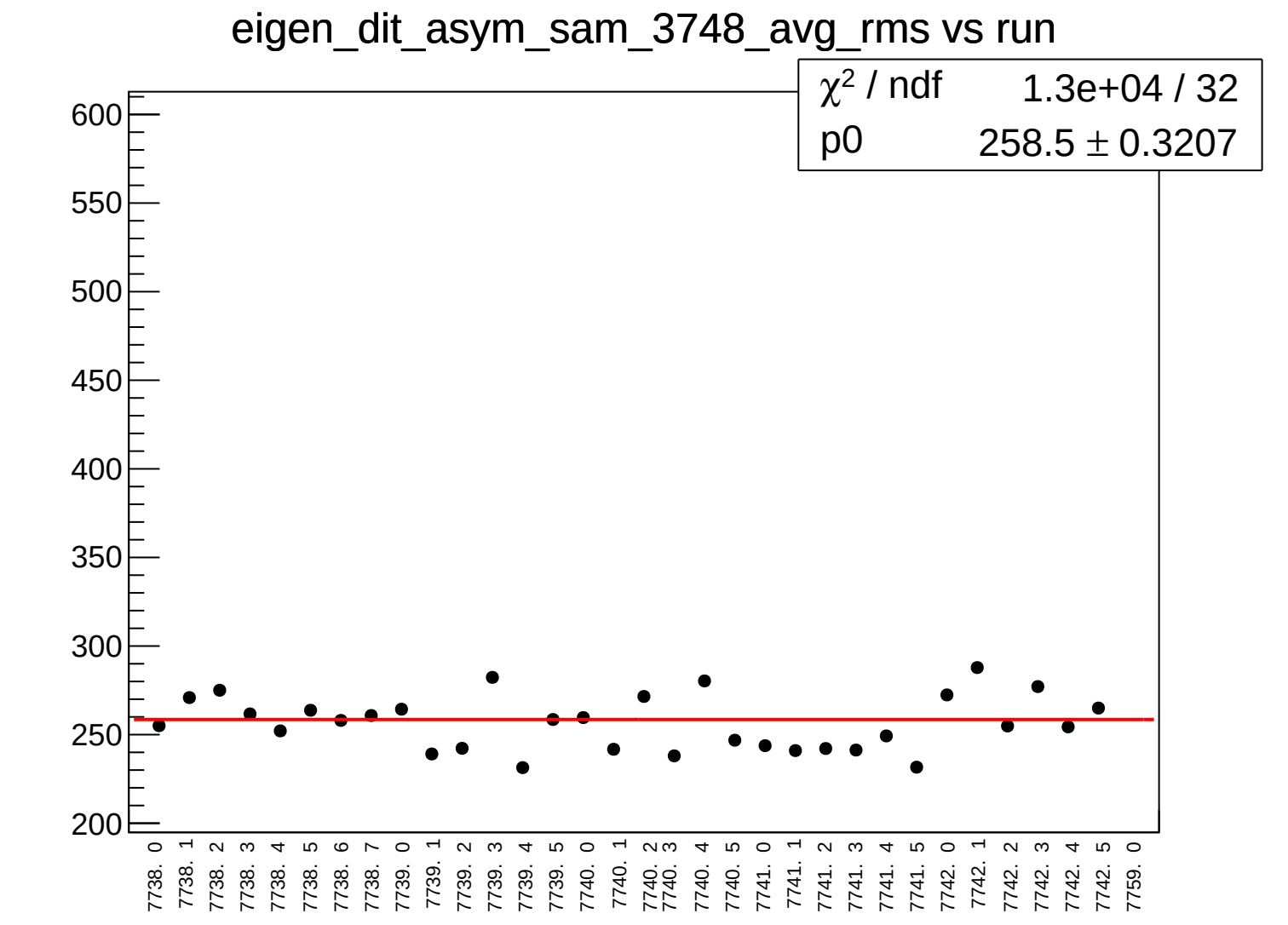

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.3e+04 / 32
p0 258.5 ± 0.3207
600
550
500
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

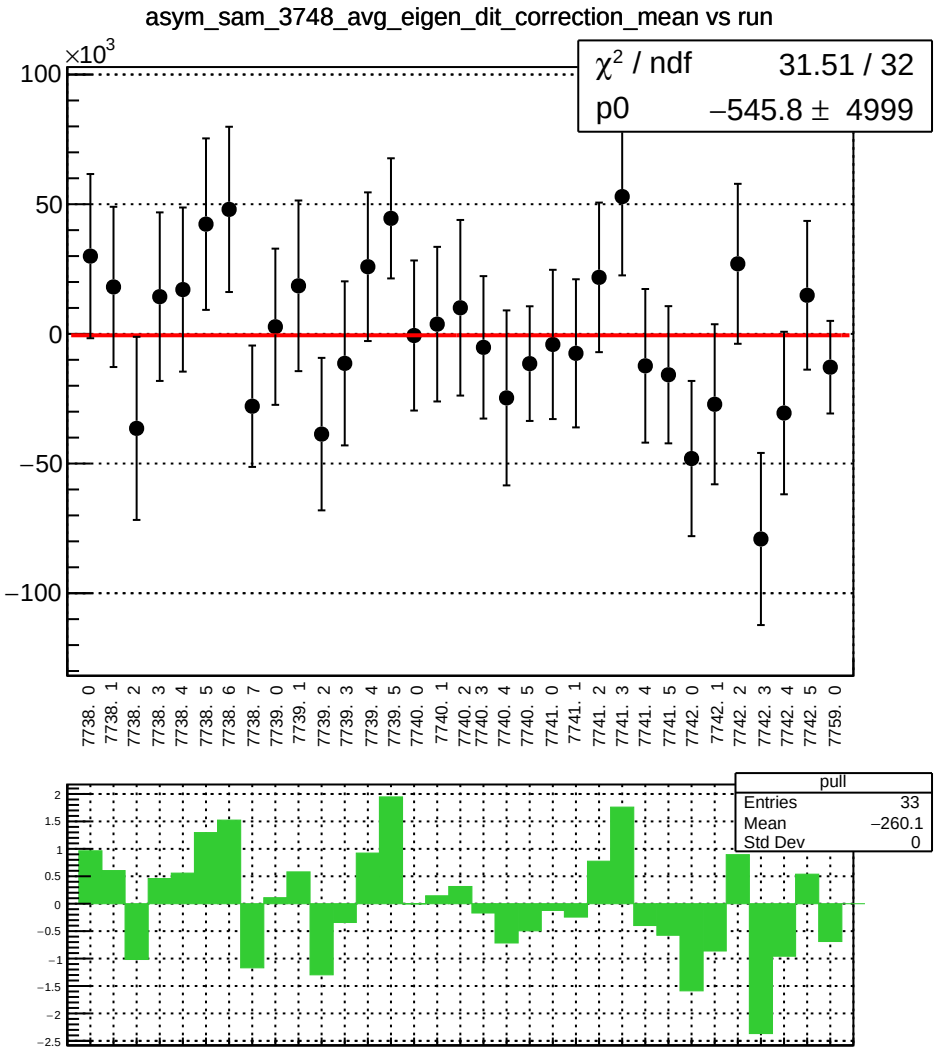

asym_sam_3748_avg_dit_correction_mean vs run
×10^3
χ² / ndf 31.51 / 32
p0 −545.8 ± 4999
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −260.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01149
Std Dev 0.9771
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

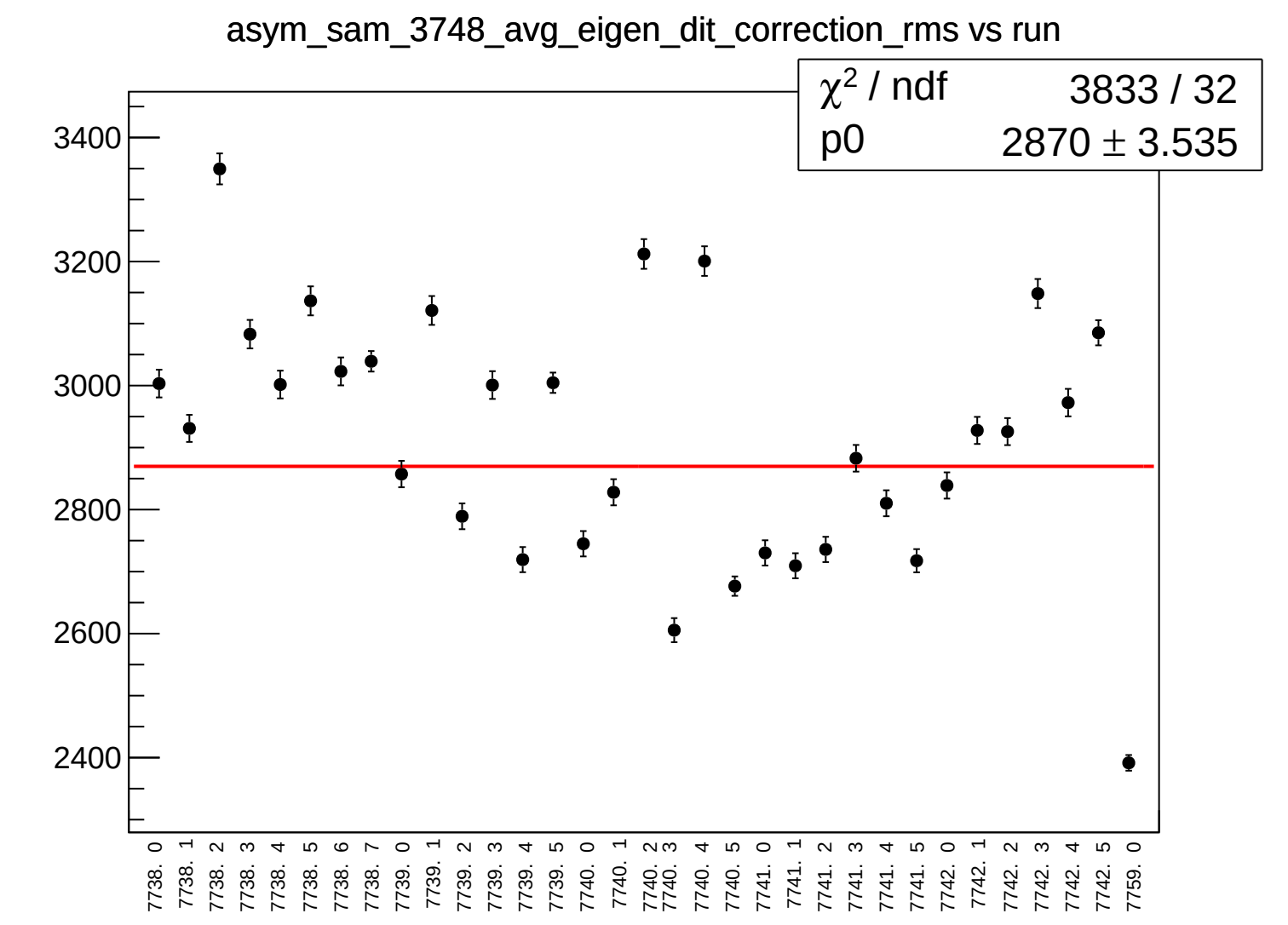

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 3833 / 32
p0 2870 ± 3.535
3400
3200
3000
2800
2600
2400
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

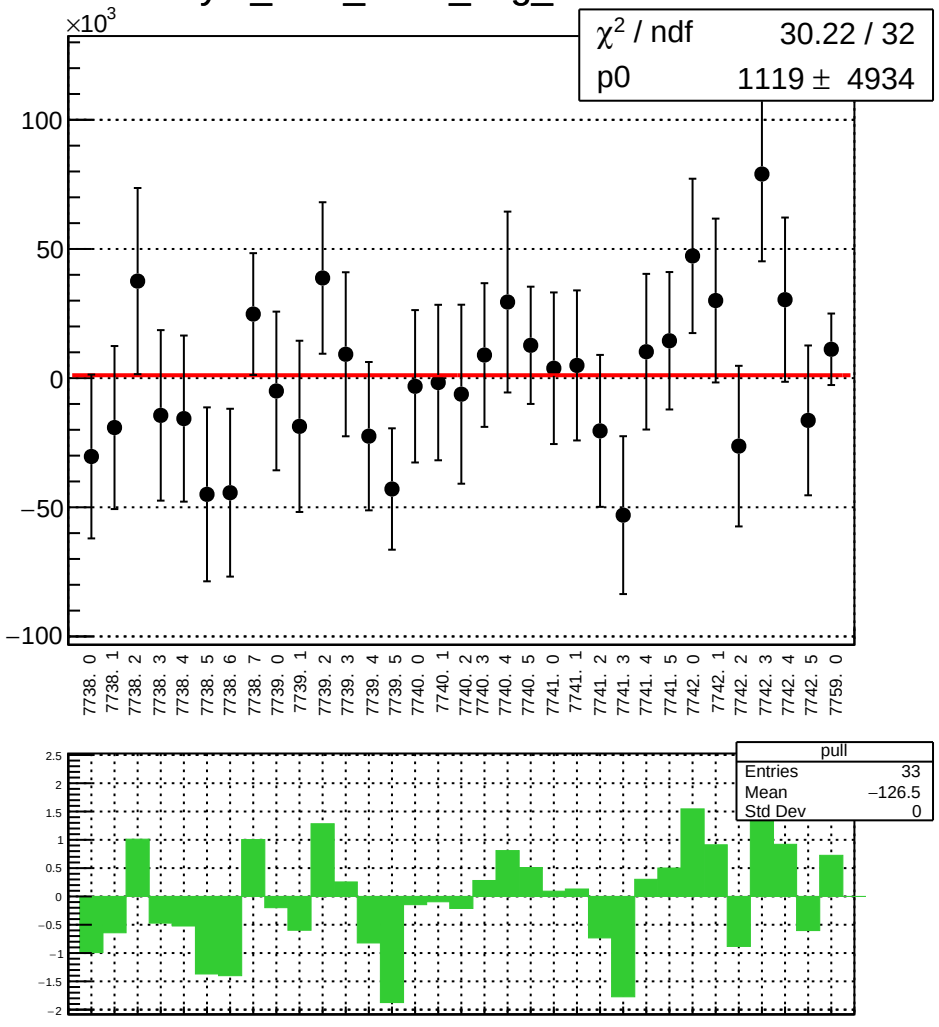

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 22.74 / 32
p0 177.6 ± 453.6
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.2051
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

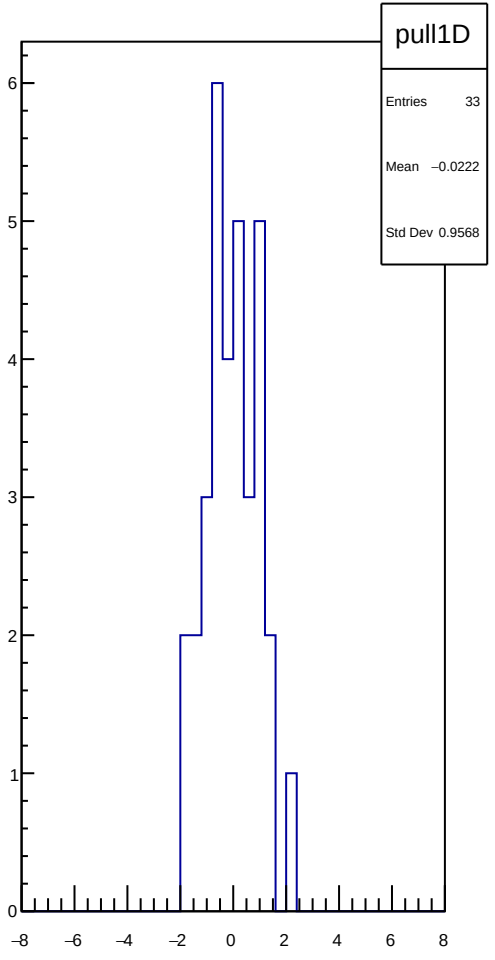

pull1D
Entries 33
Mean 0.002911
Std Dev 0.8302
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

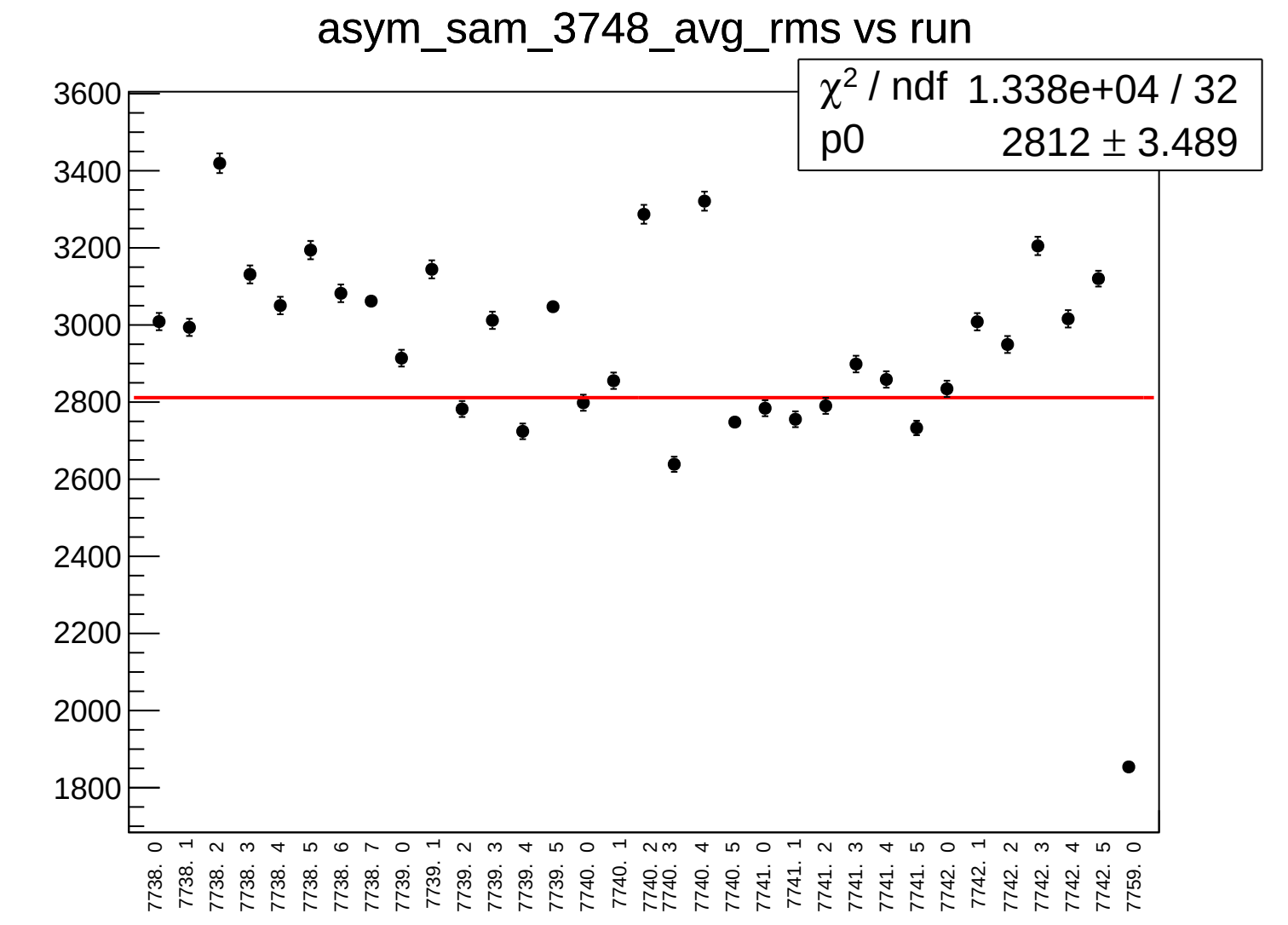

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.3e+04 / 32
p0 258.5 ± 0.3207
600
550
500
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

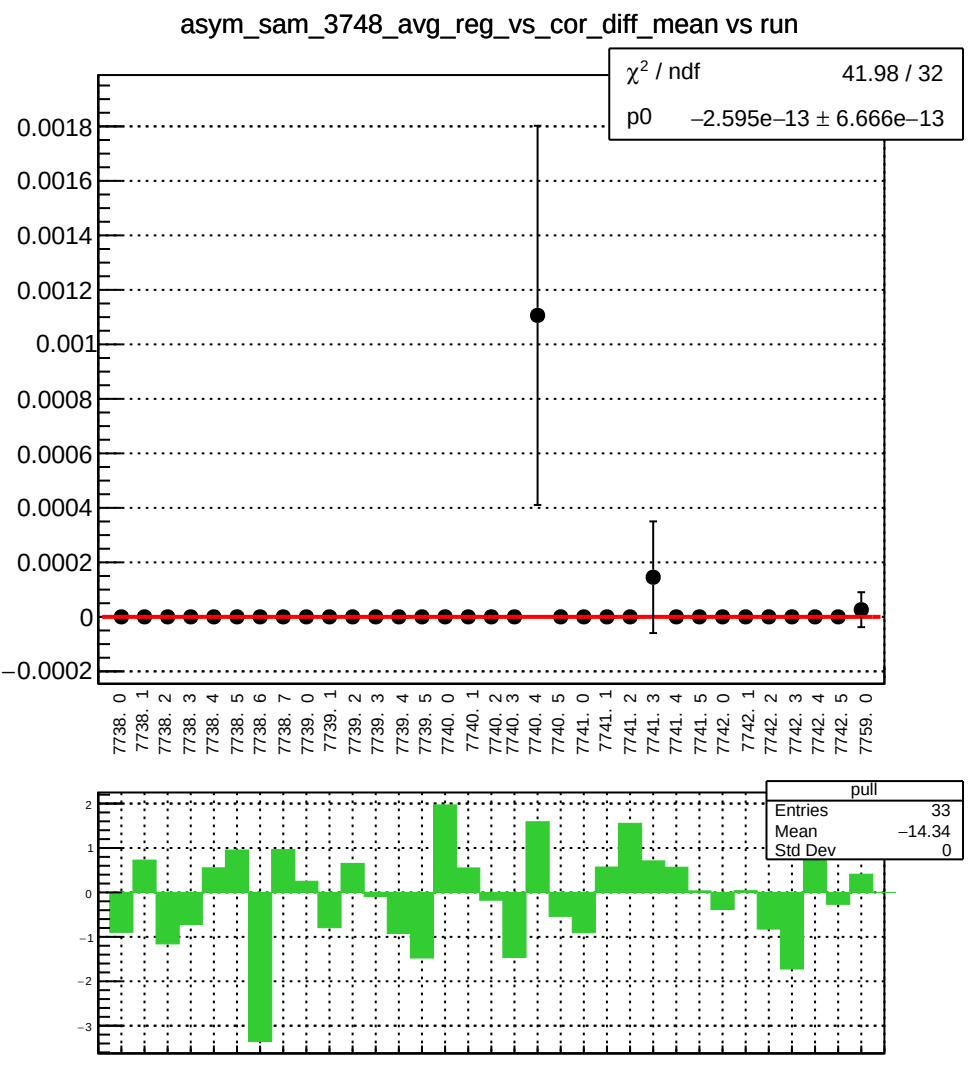

asym_sam_3748_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 31.51 / 32
p0 −545.8 ± 4999
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −260.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01149
Std Dev 0.9771
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

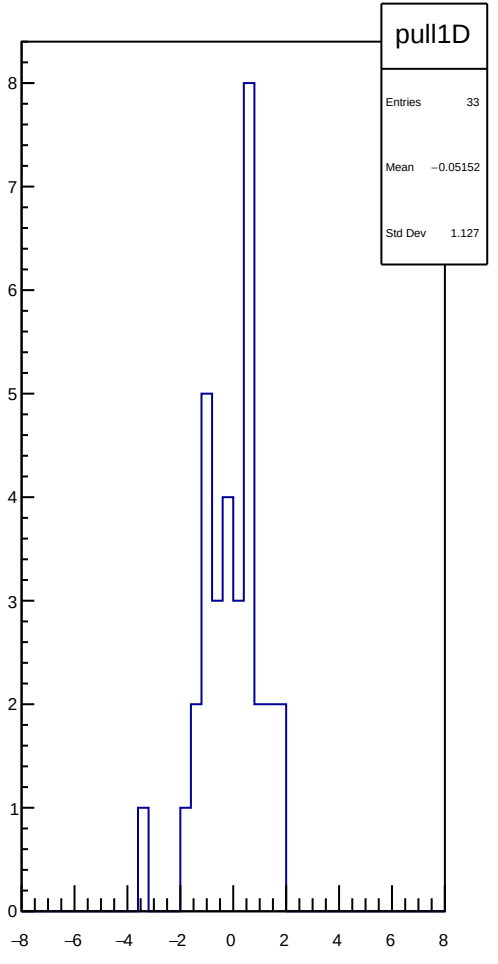

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 3833 / 32
p0 2870 ± 3.535
3400
3200
3000
2800
2600
2400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

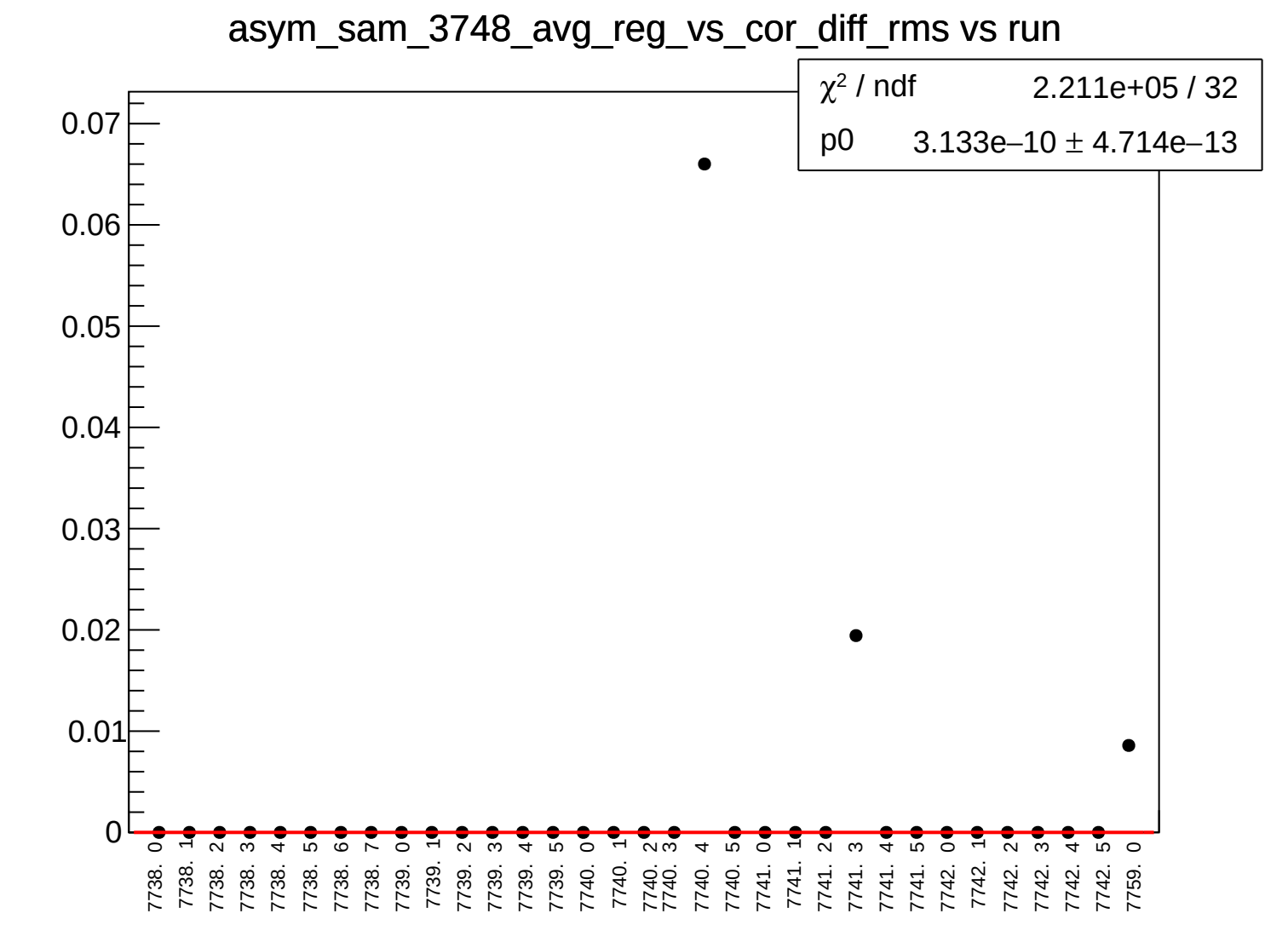

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 30.22 / 32
p0 1119 ± 4934
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −126.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

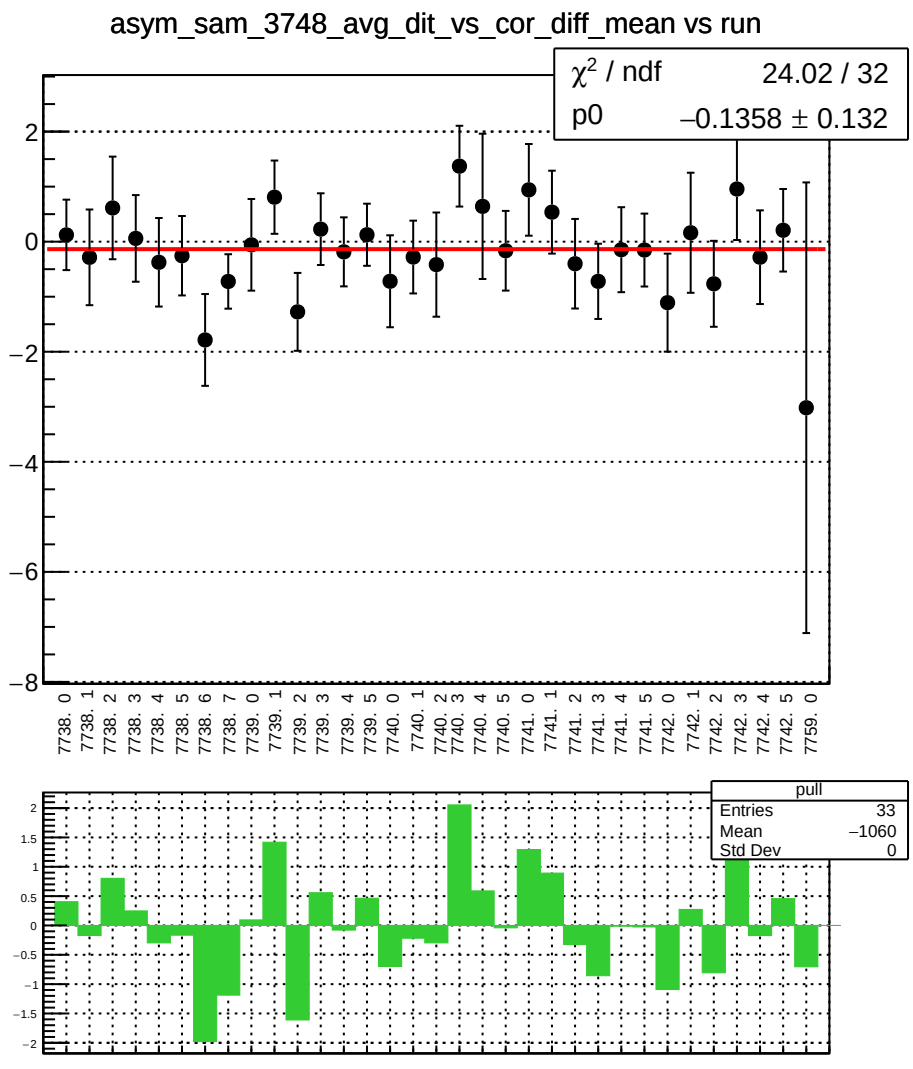

pull1D
Entries 33
Mean −0.0222
Std Dev 0.9568
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

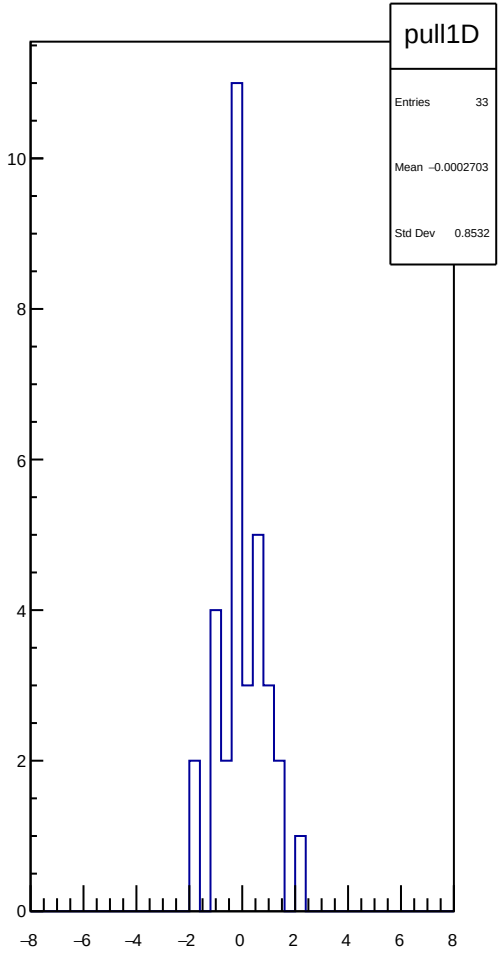

asym_sam_3748_avg_rms vs run
χ² / ndf 1.338e+04 / 32
p0 2812 ± 3.489
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

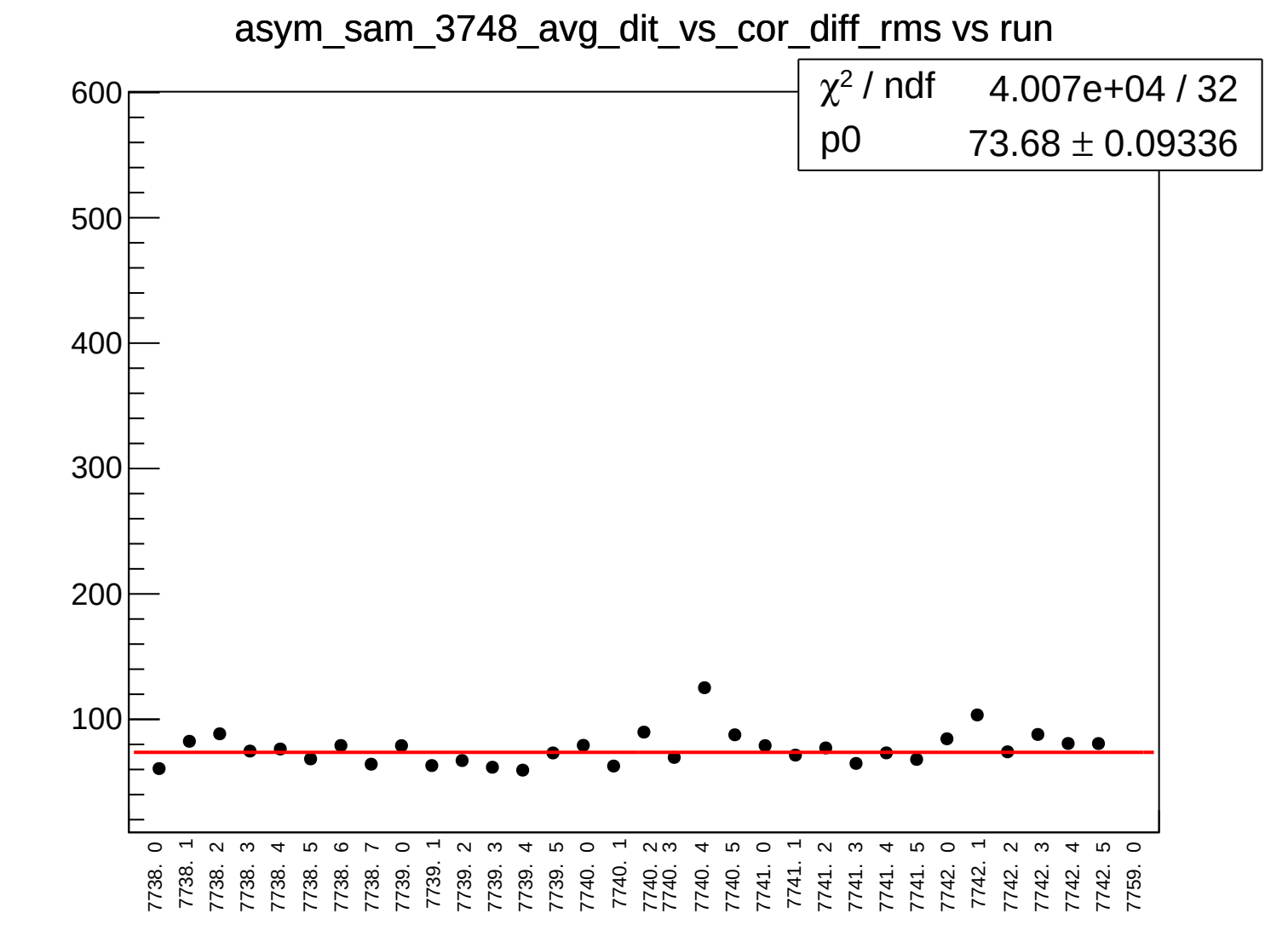

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.98 / 32
p0 −2.595e−13 ± 6.666e−13
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.34
Std Dev 0
2
1
0
−1
−2
−3

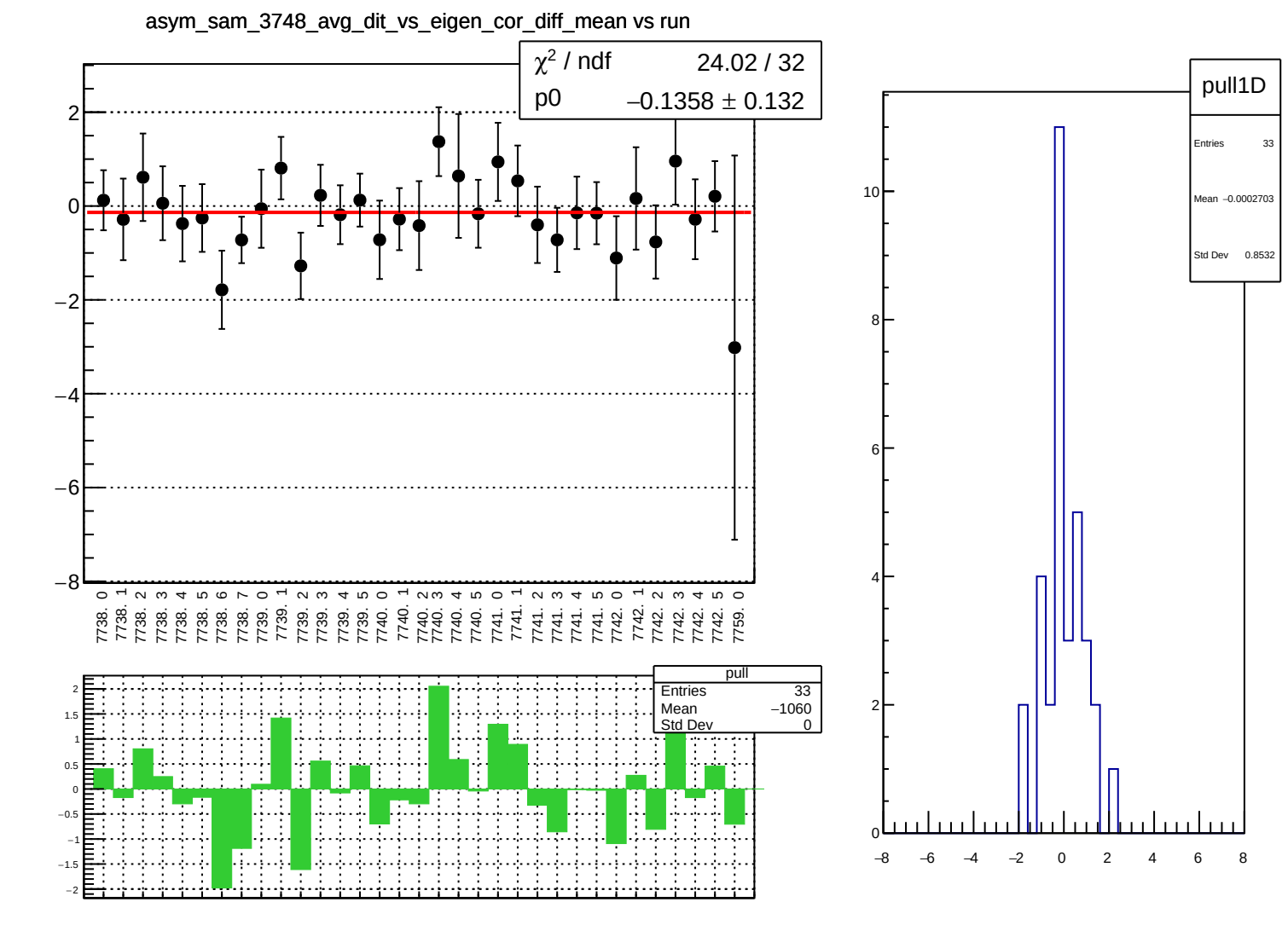

pull1D
Entries 33
Mean −0.05152
Std Dev 1.127
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

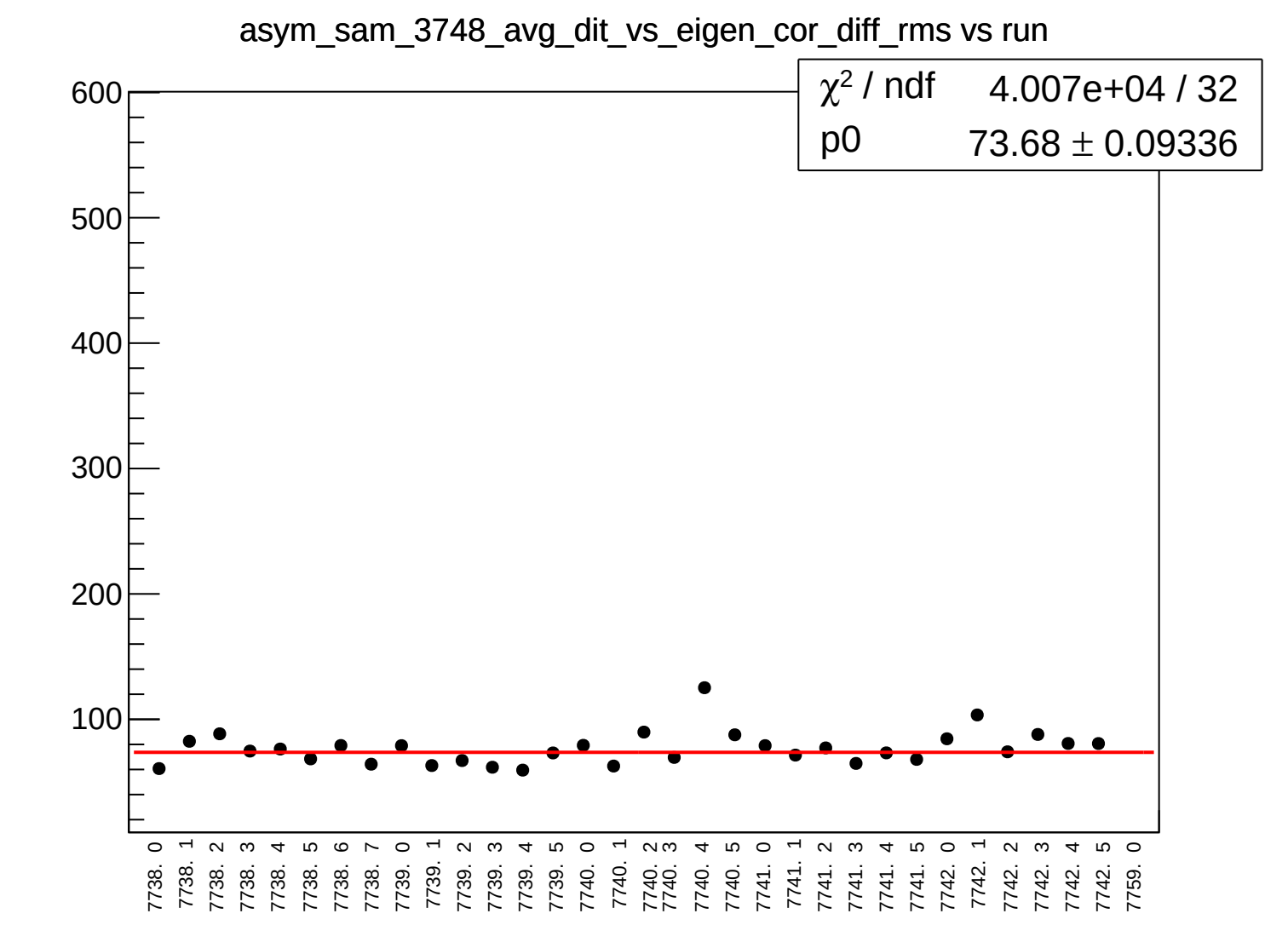

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.211e+05 / 32
p0 3.133e−10 ± 4.714e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

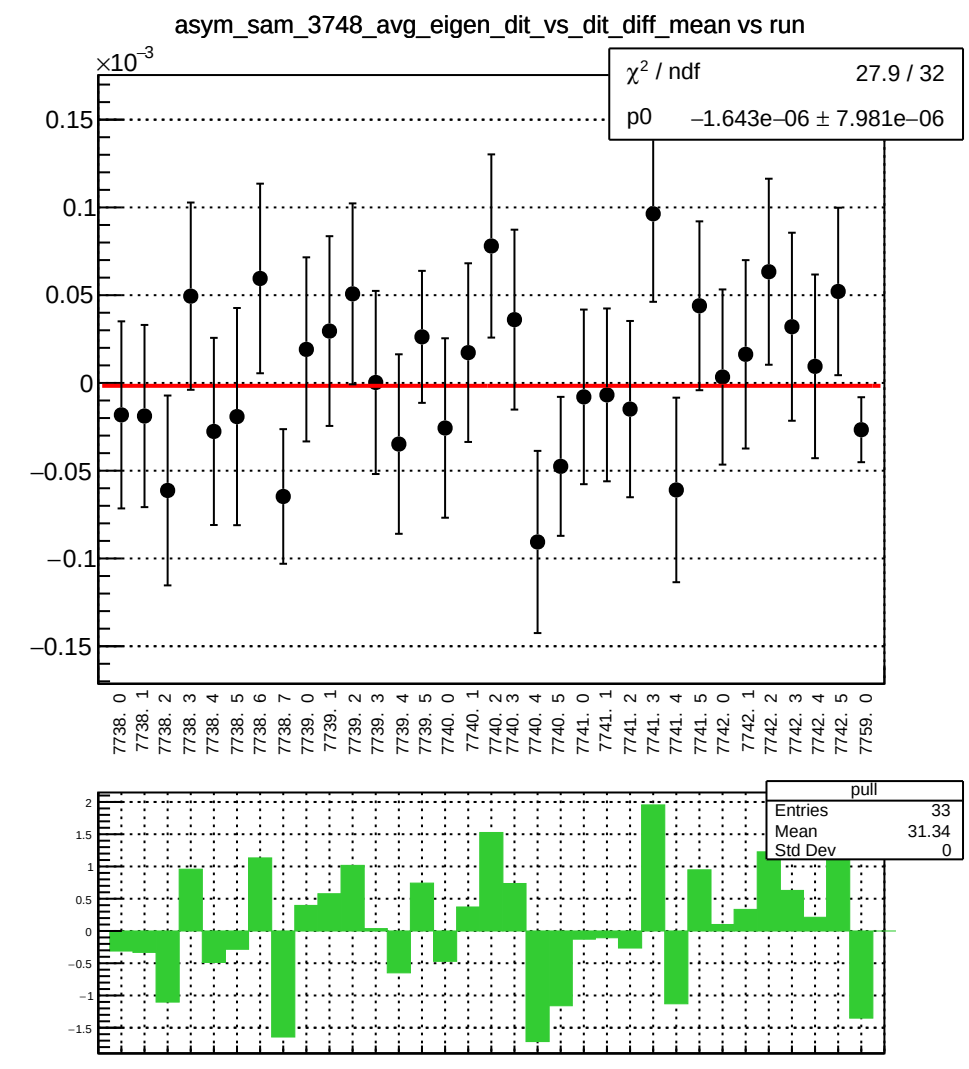

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 24.02 / 32
p0 −0.1358 ± 0.132
pull
Entries 33
Mean −1060
Std Dev 0

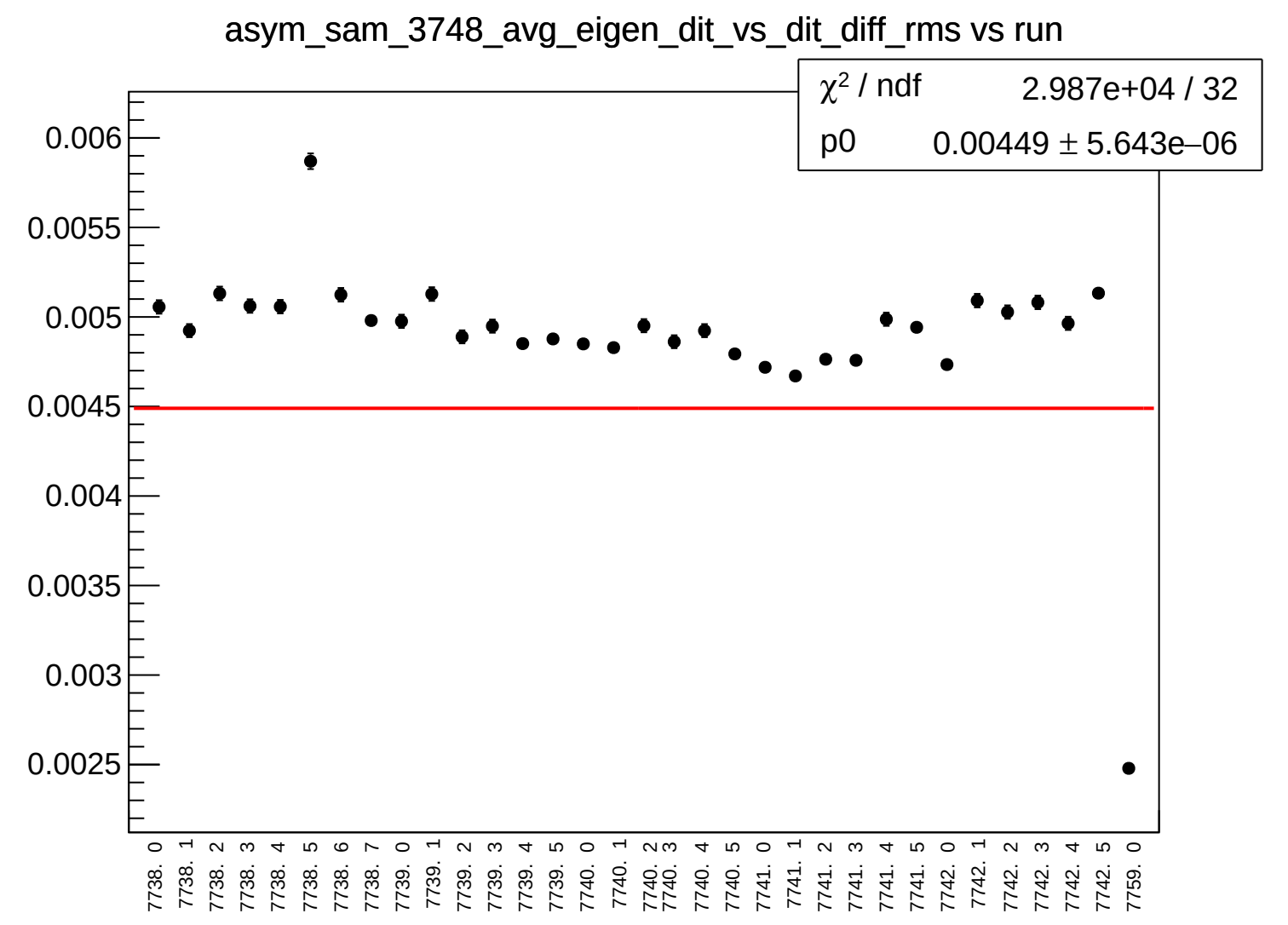

pull1D
Entries 33
Mean −0.0002703
Std Dev 0.8532

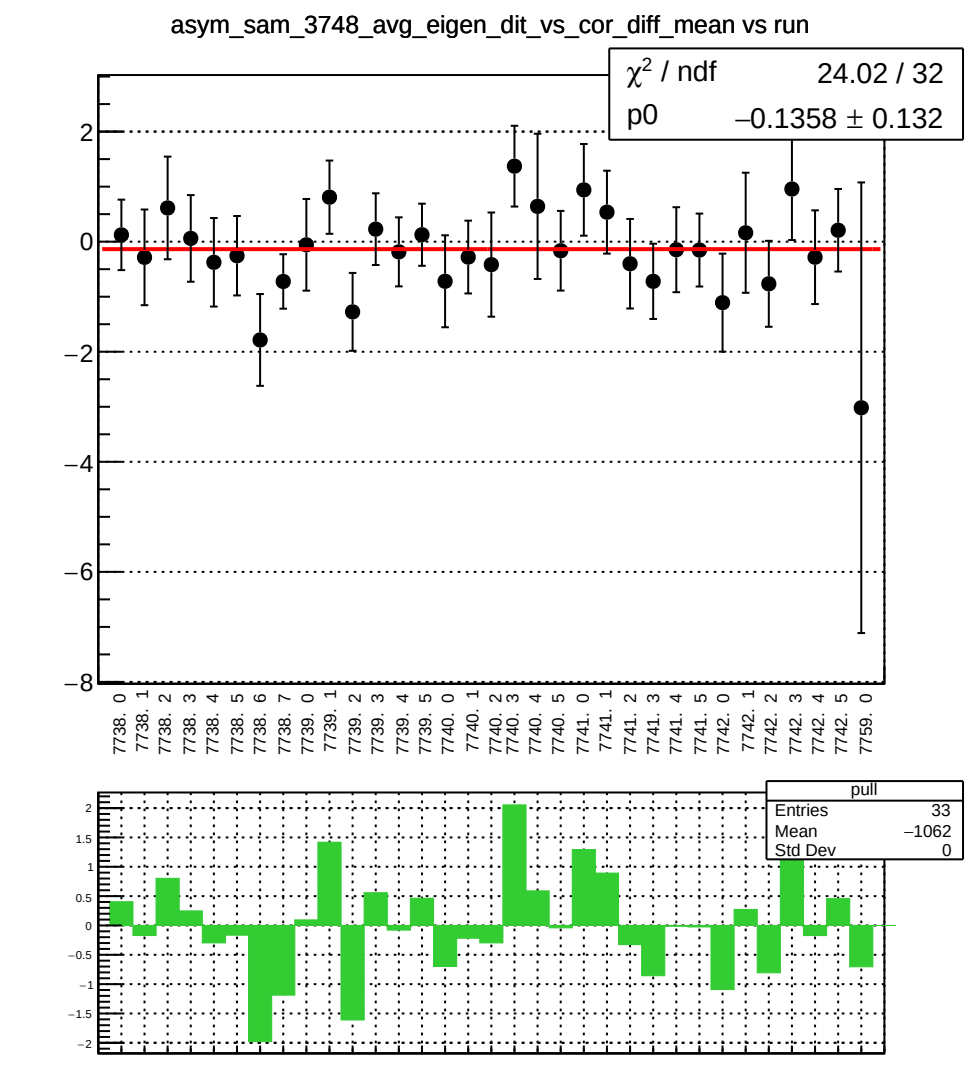

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.007e+04 / 32
p0 73.68 ± 0.09336
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

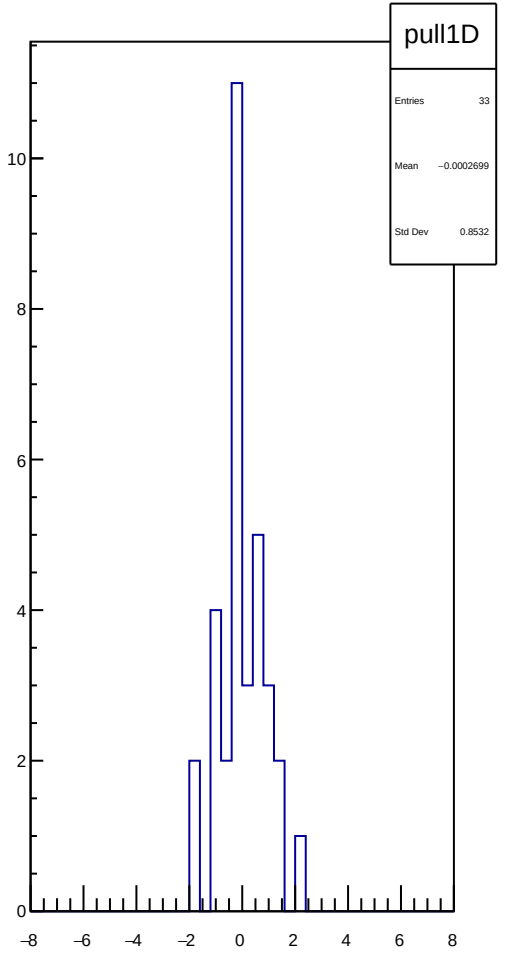

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.02 / 32
p0 −0.1358 ± 0.132
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1060
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.0002703
Std Dev 0.8532
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

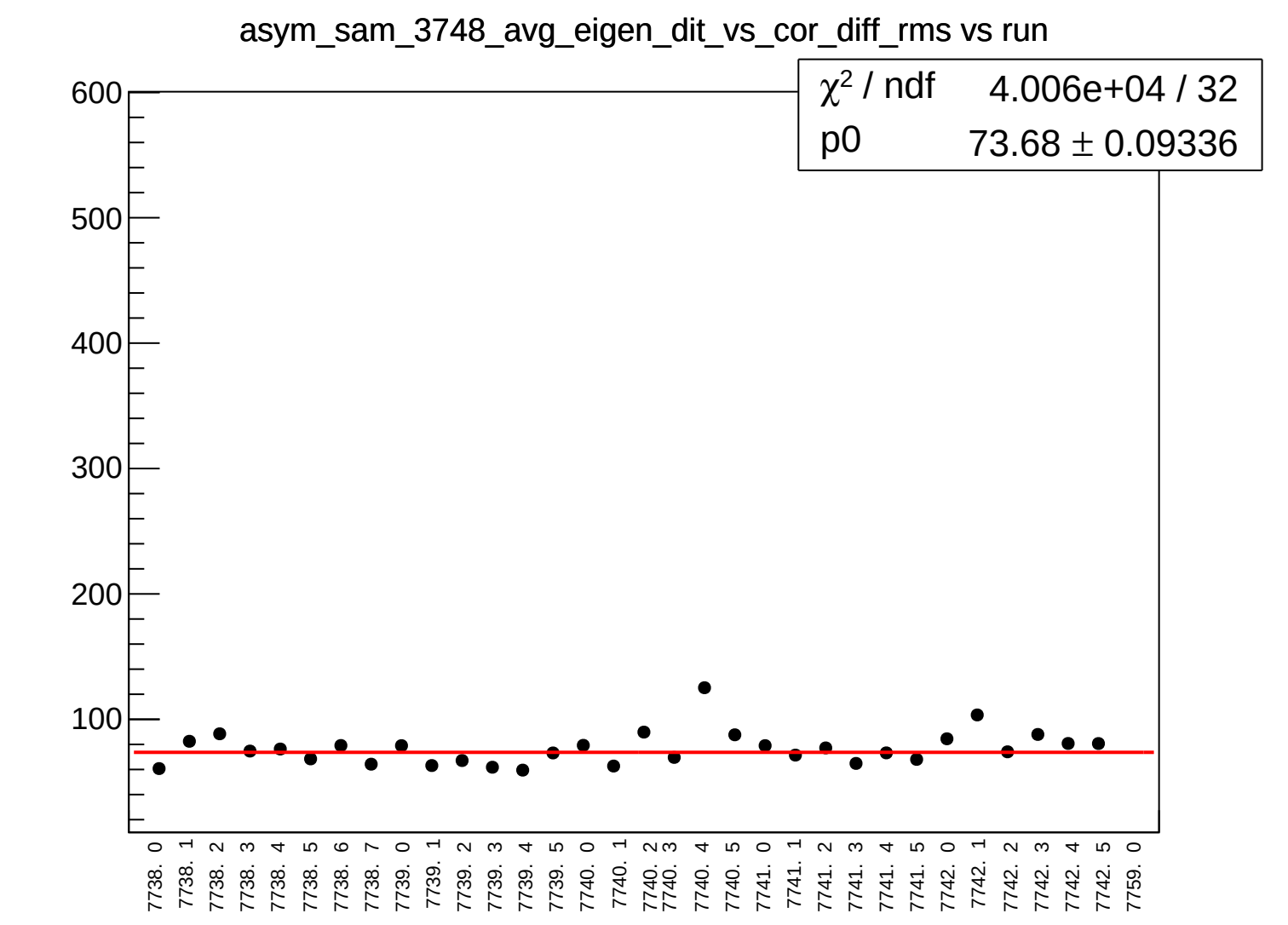

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.007e+04 / 32
p0 73.68 ± 0.09336
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

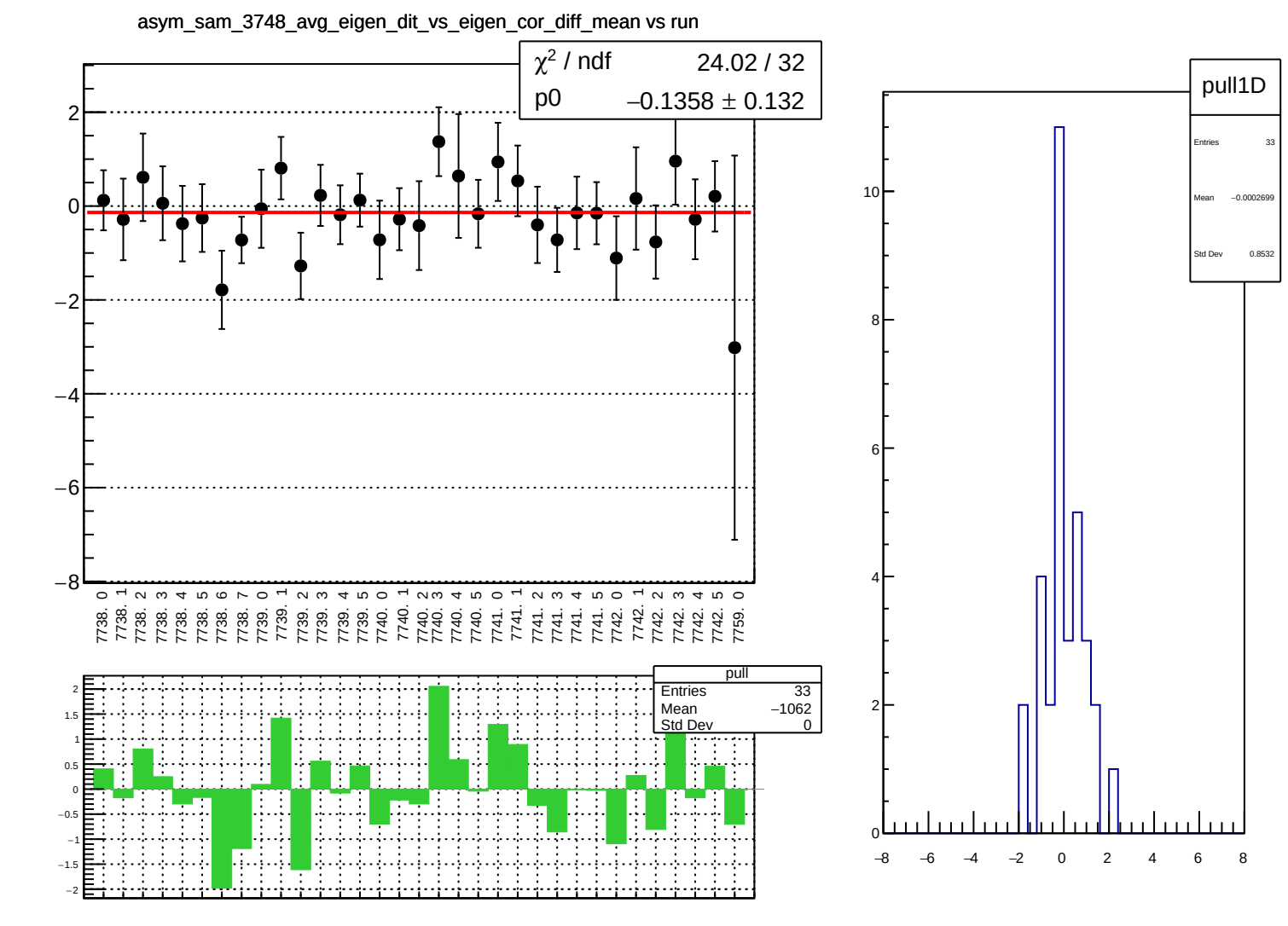

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.9 / 32
p0 −1.643e−06 ± 7.981e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0879
Std Dev 0.9152
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

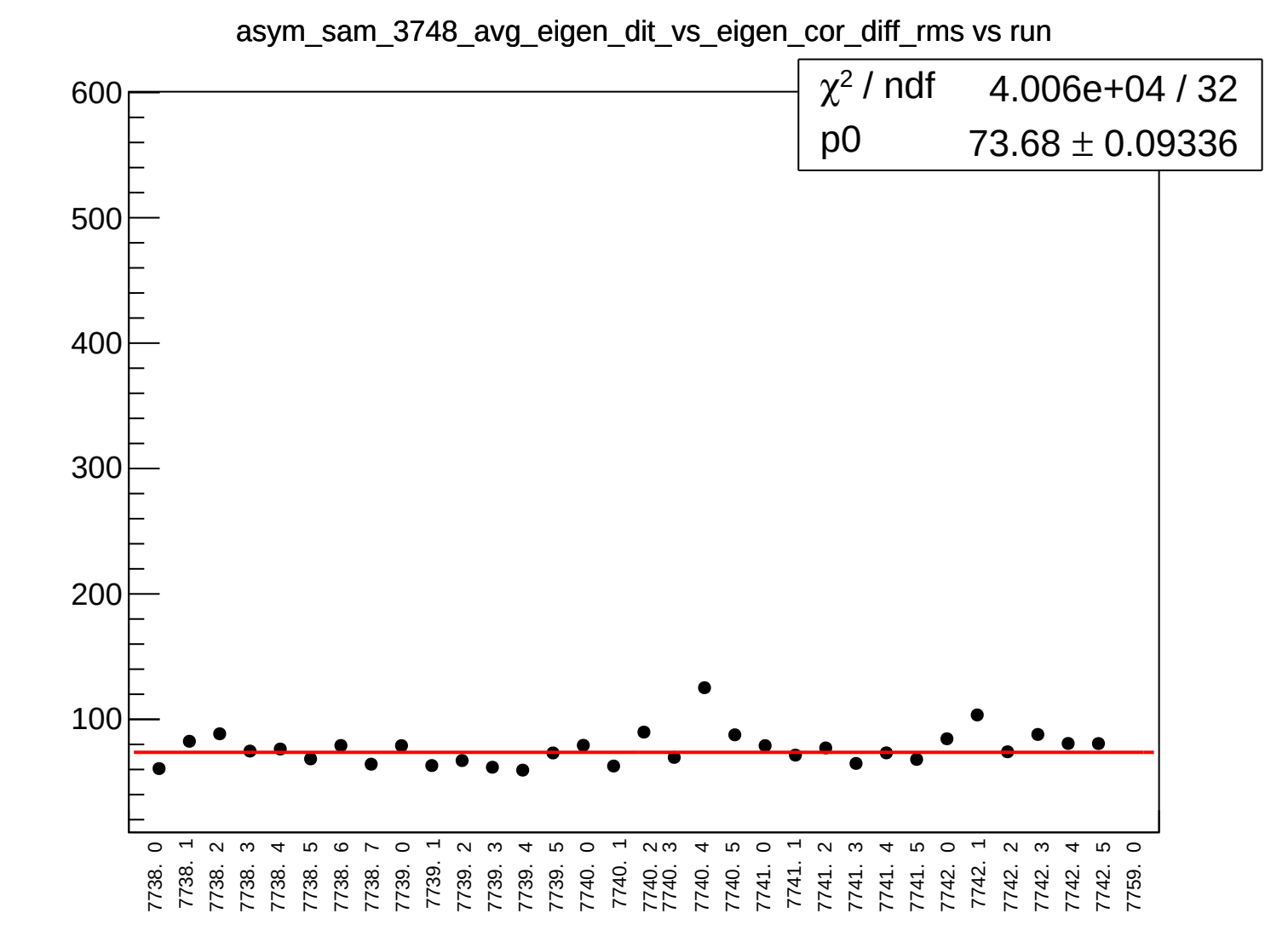

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.987e+04 / 32
p0 0.00449 ± 5.643e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

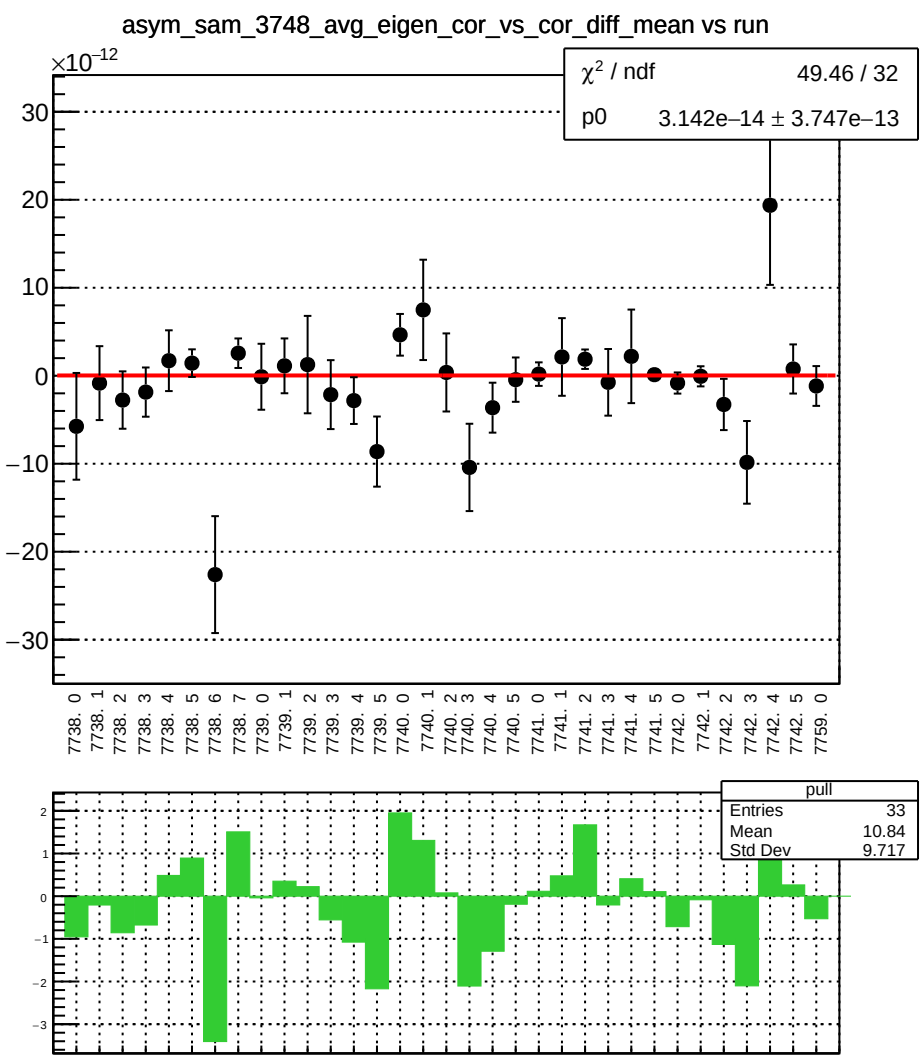

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 24.02 / 32
p0 −0.1358 ± 0.132
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1062
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

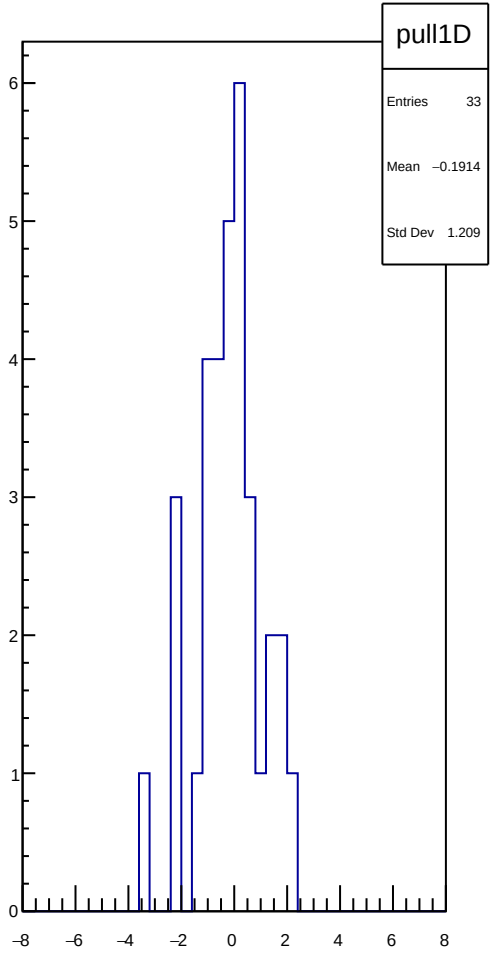

pull1D
Entries 33
Mean −0.0002699
Std Dev 0.8532
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

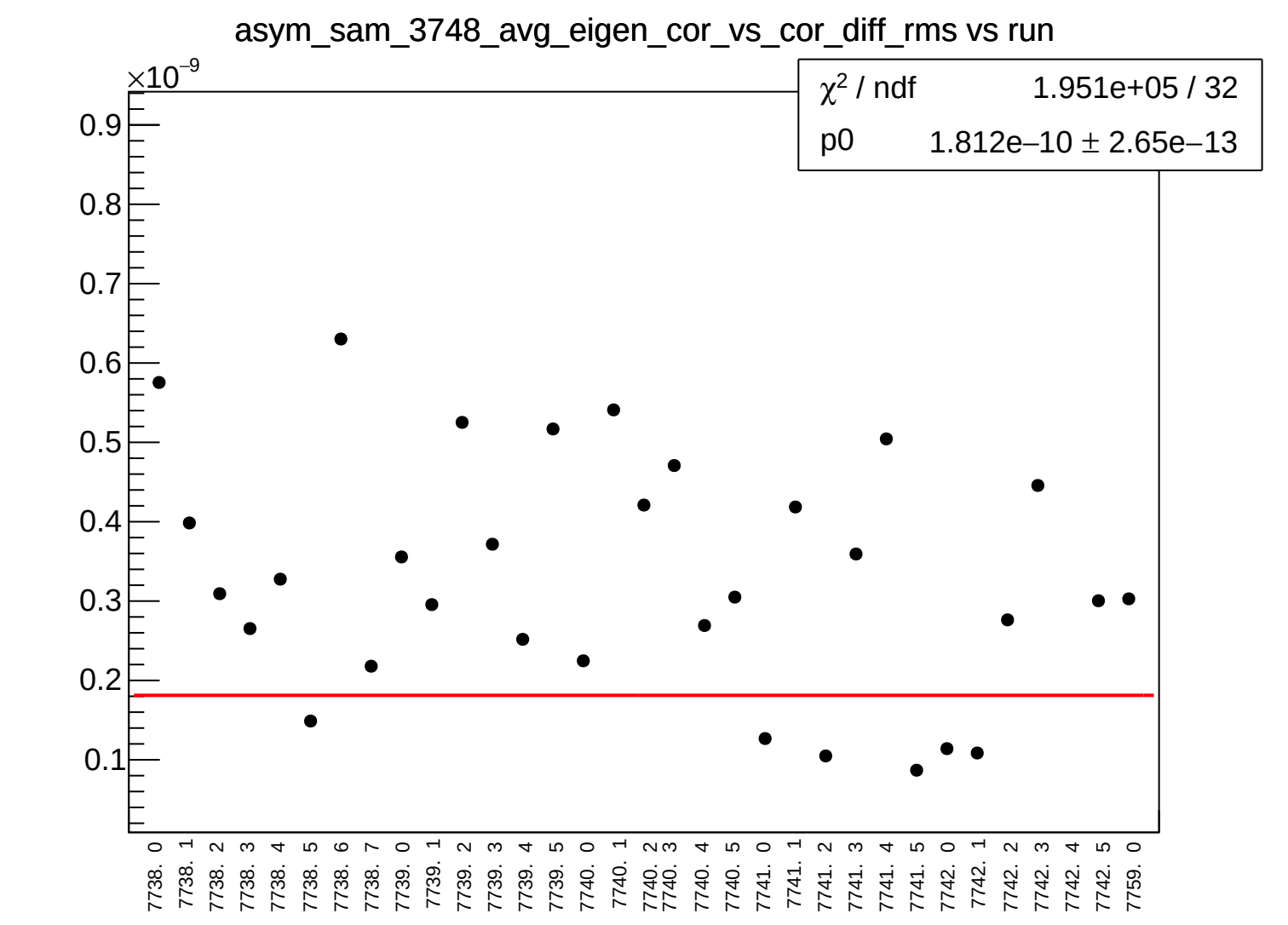

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.006e+04 / 32
p0 73.68 ± 0.09336
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

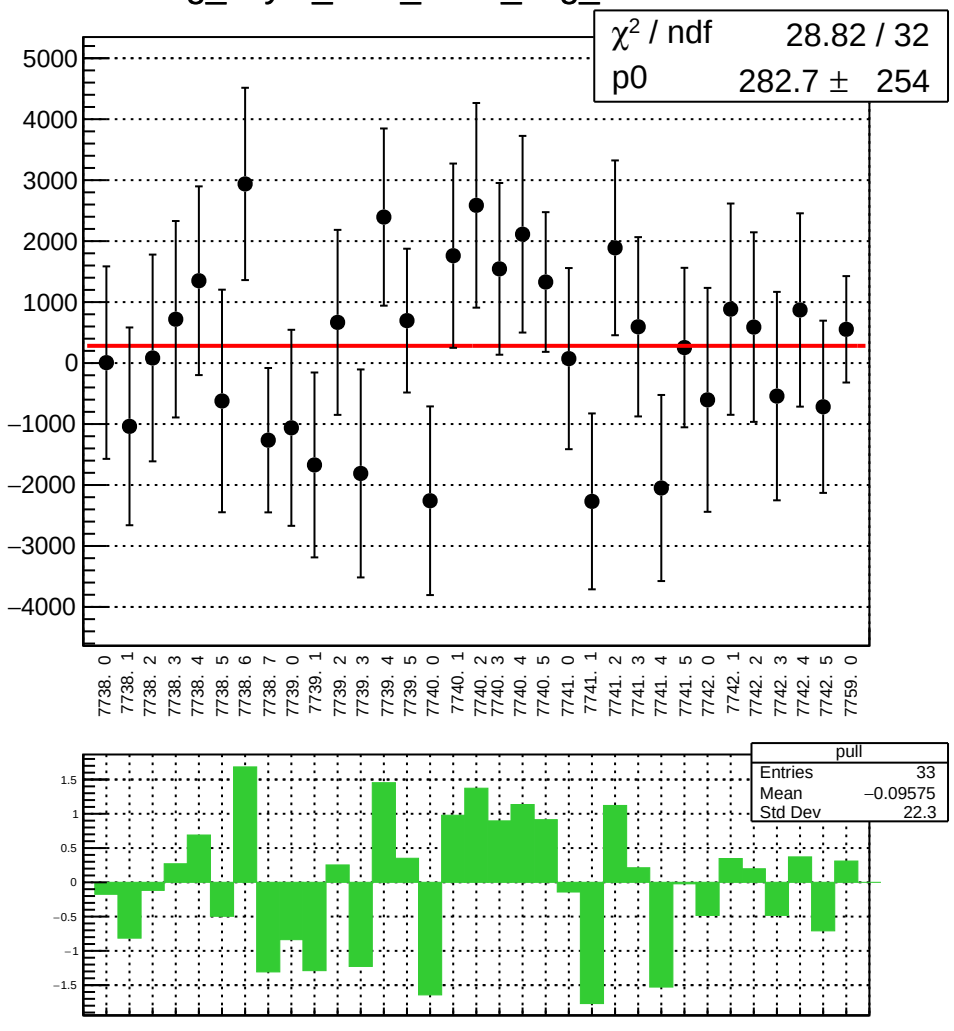

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.02 / 32
p0 −0.1358 ± 0.132
pull
Entries 33
Mean −1062
Std Dev 0
pull1D
Entries 33
Mean −0.0002699
Std Dev 0.8532

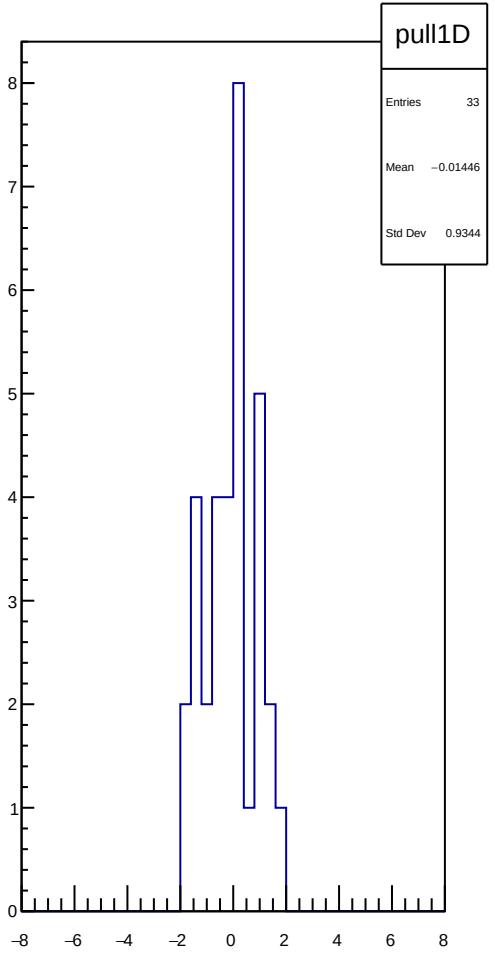

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.006e+04 / 32
p0 73.68 ± 0.09336
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

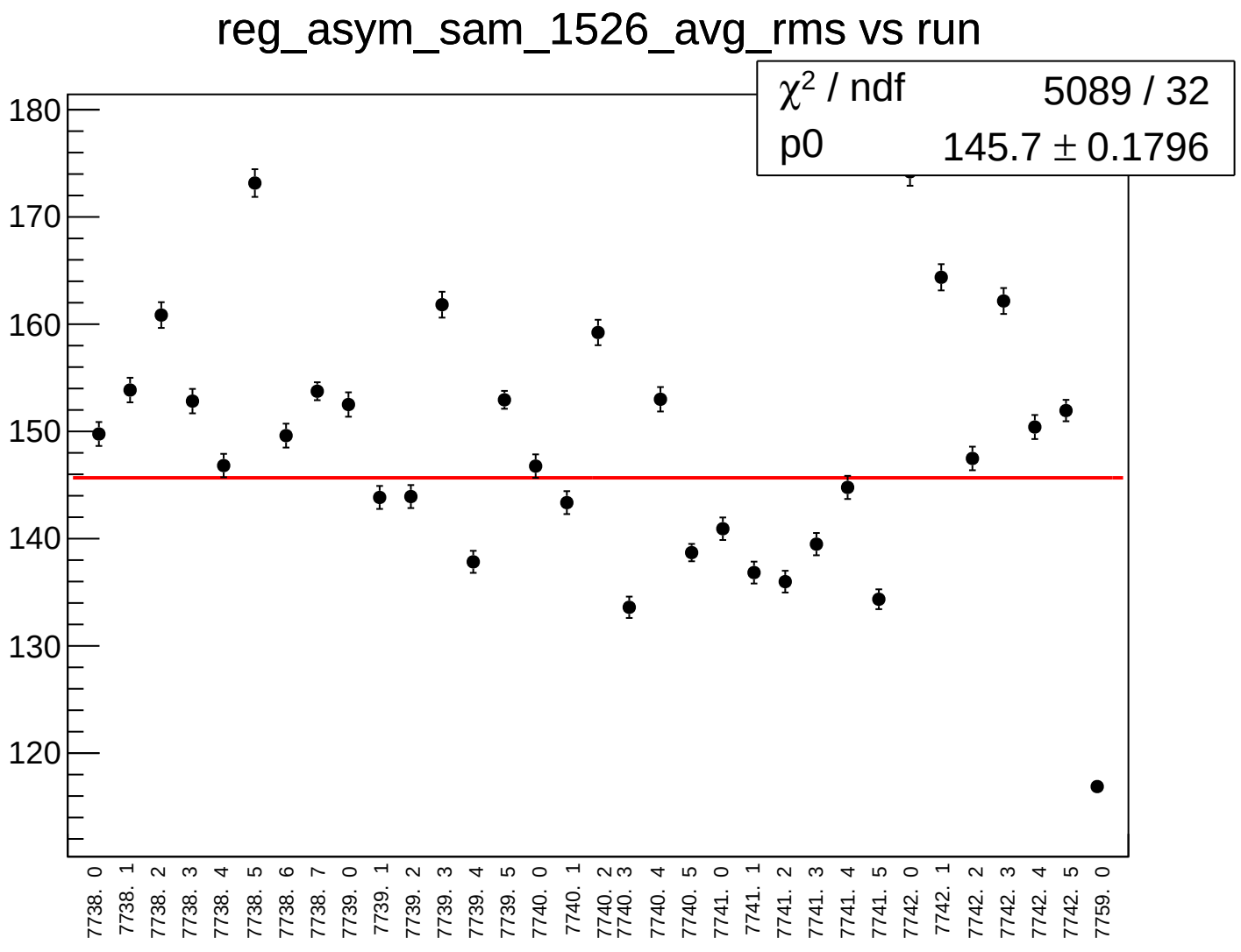

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.46 / 32
p0 3.142e−14 ± 3.747e−13
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.84
Std Dev 9.717
2
1
0
−1
−2
−3

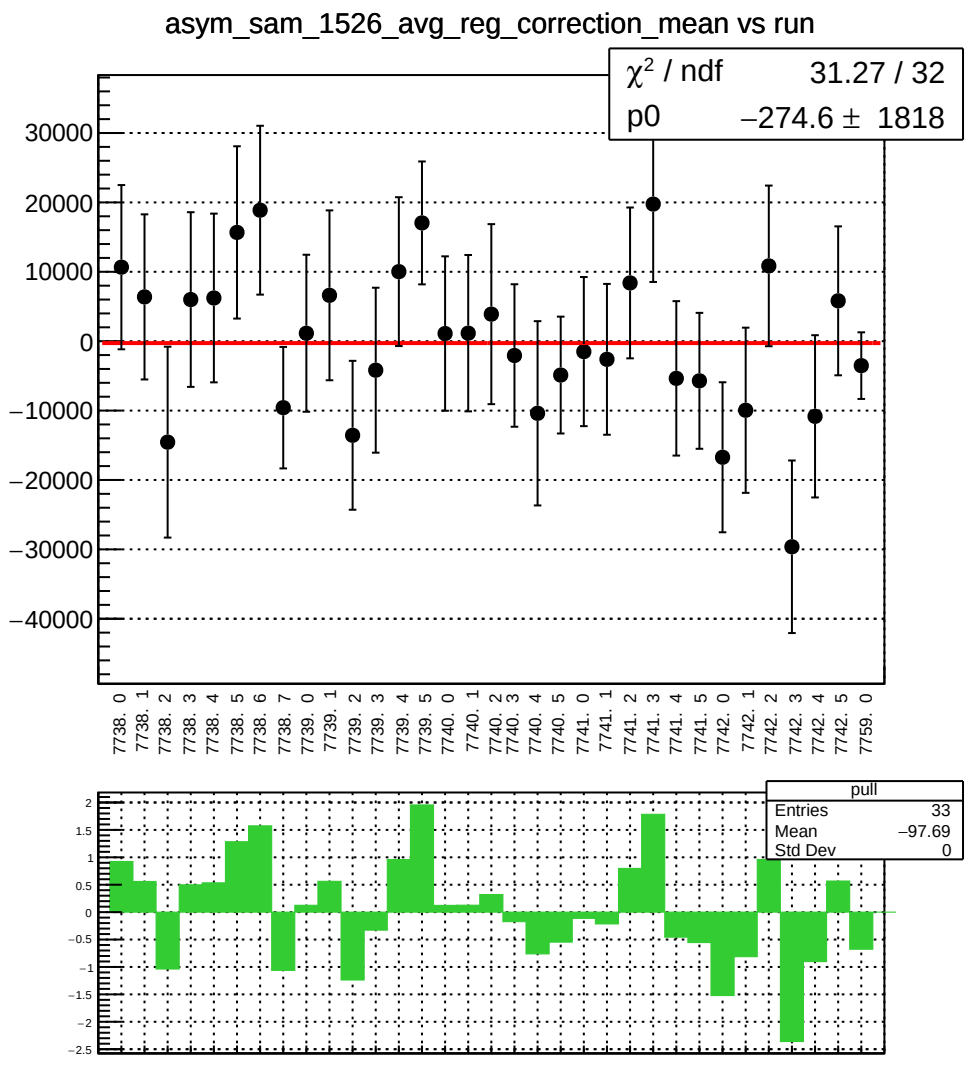

pull1D
Entries 33
Mean −0.1914
Std Dev 1.209
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

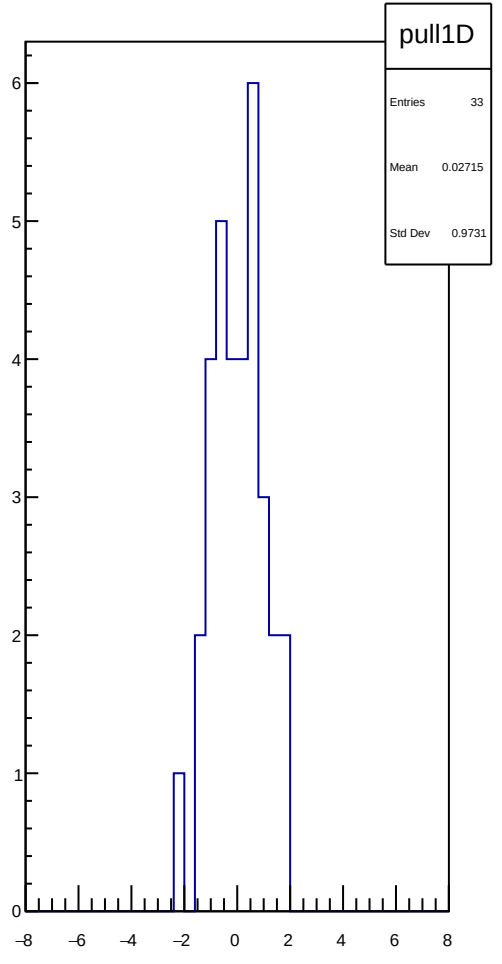

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.951e+05 / 32
p0 1.812e−10 ± 2.65e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

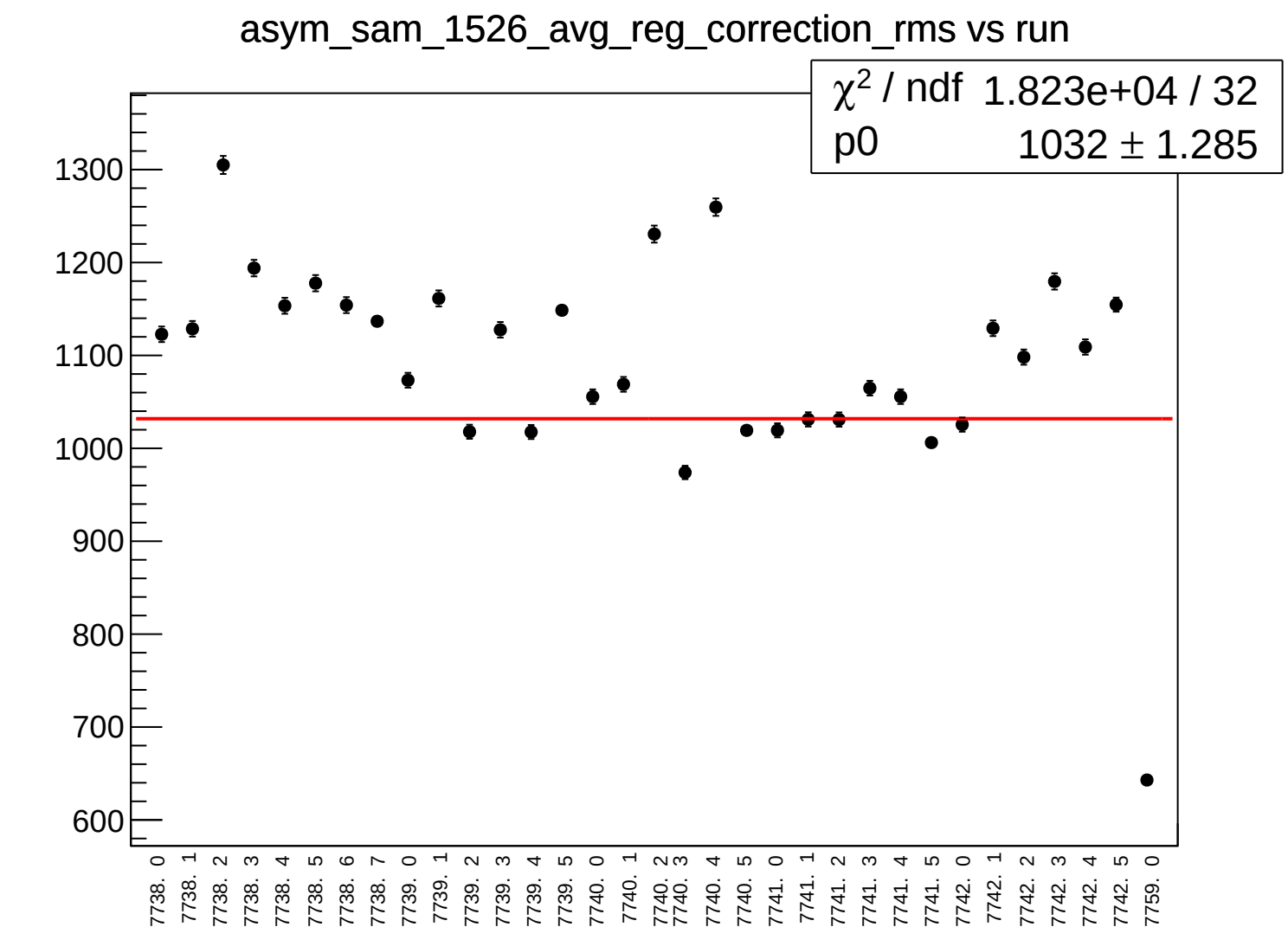

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 28.82 / 32
p0 282.7 ± 254
pull
Entries 33
Mean −0.09575
Std Dev 22.3

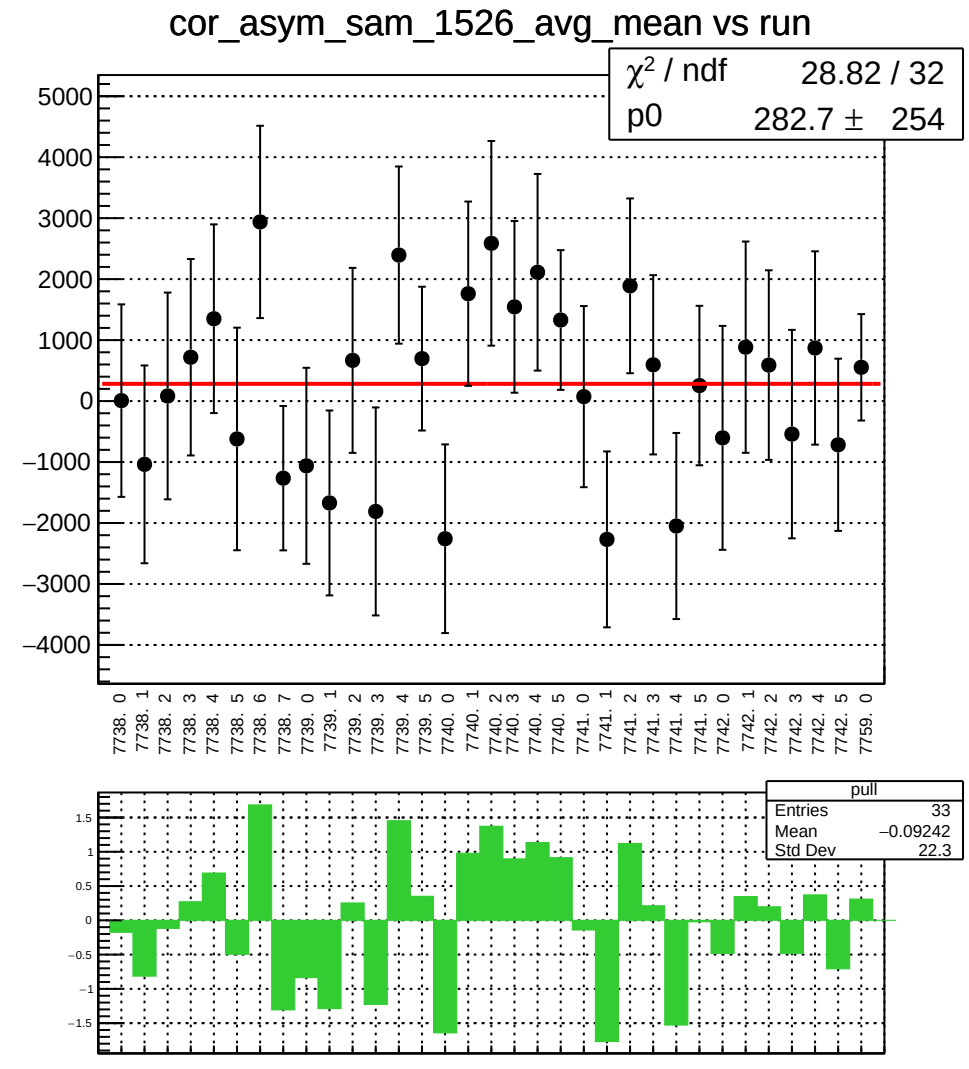

pull1D
Entries 33
Mean −0.01446
Std Dev 0.9344

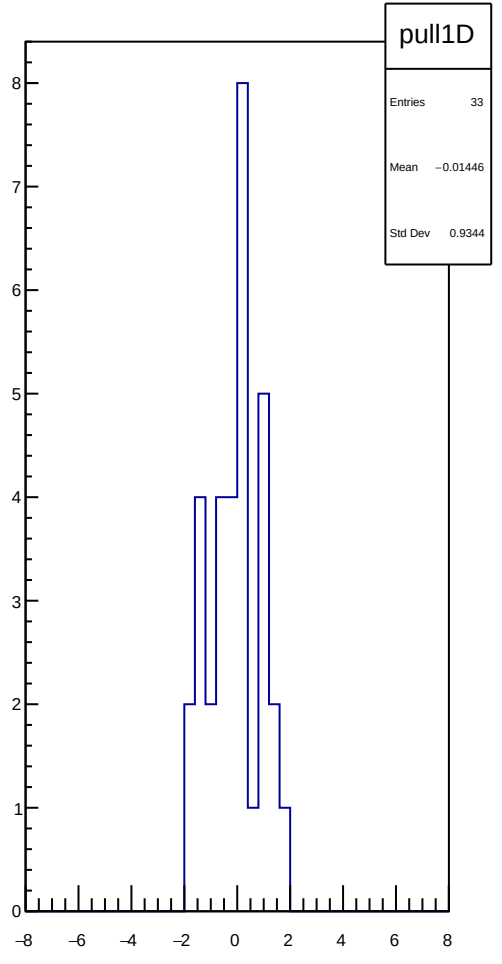

reg_asym_sam_1526_avg_rms vs run
χ^2 / ndf 5089 / 32
p0 145.7 ± 0.1796
180
170
160
150
140
130
120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

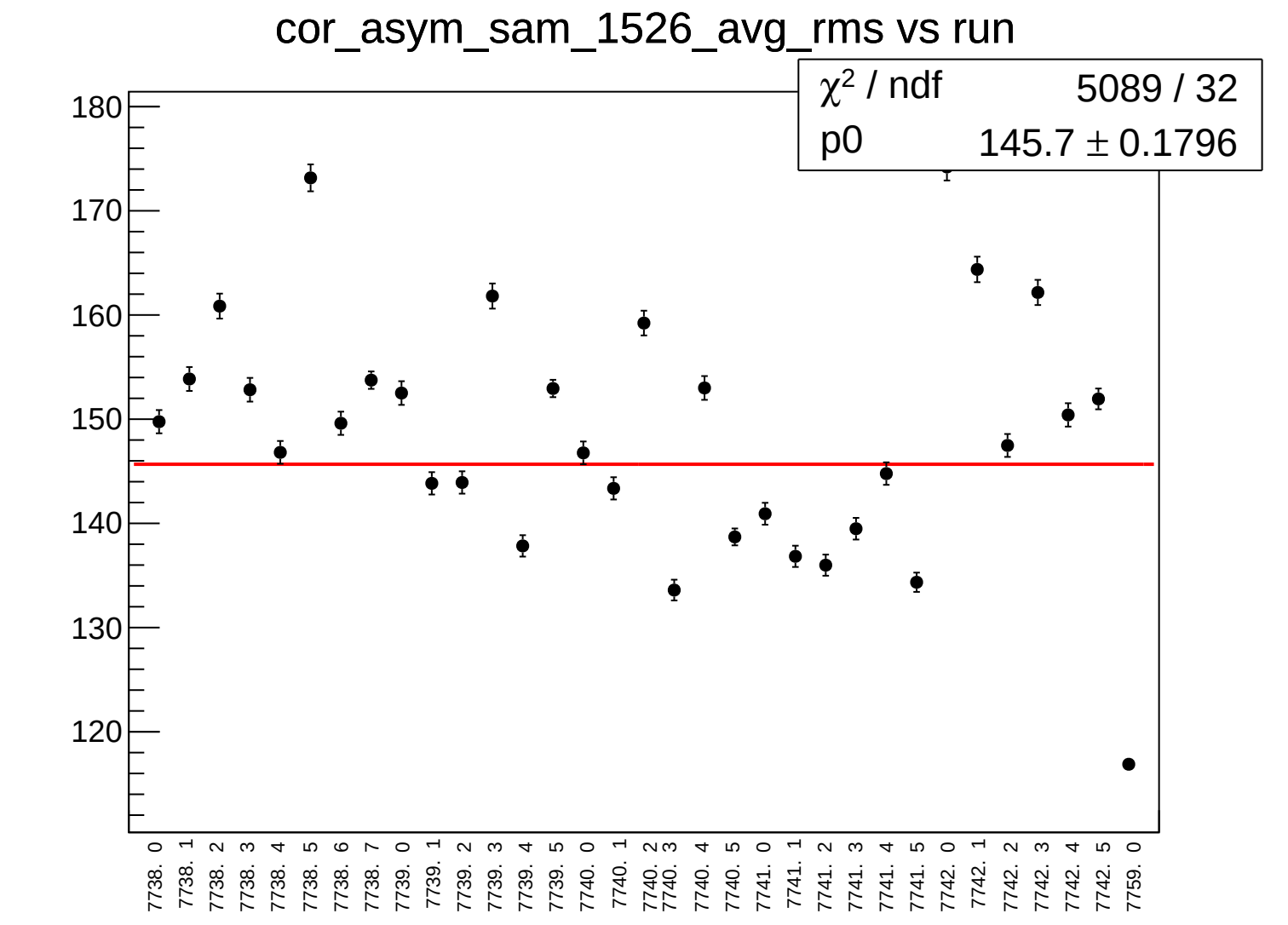

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 31.27 / 32
p0 −274.6 ± 1818
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −97.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

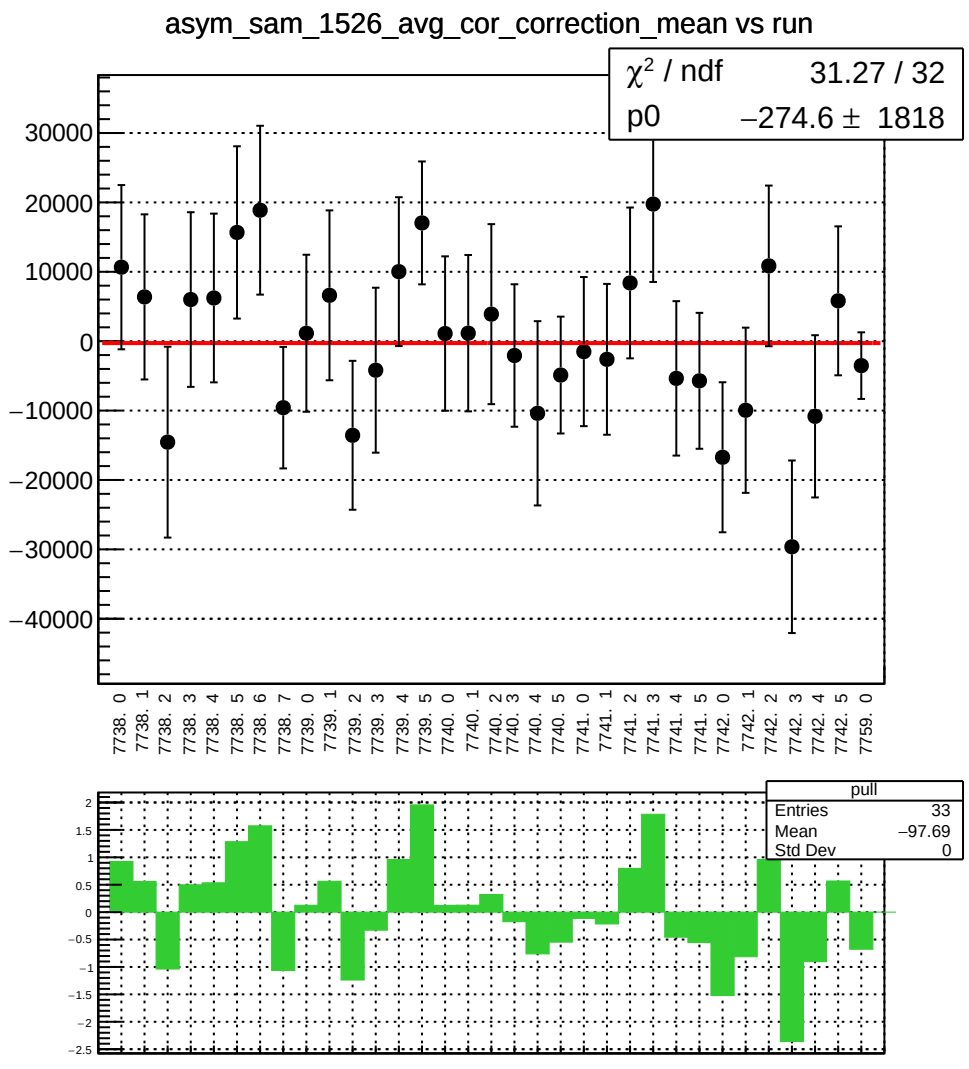

pull1D
Entries 33
Mean 0.02715
Std Dev 0.9731
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

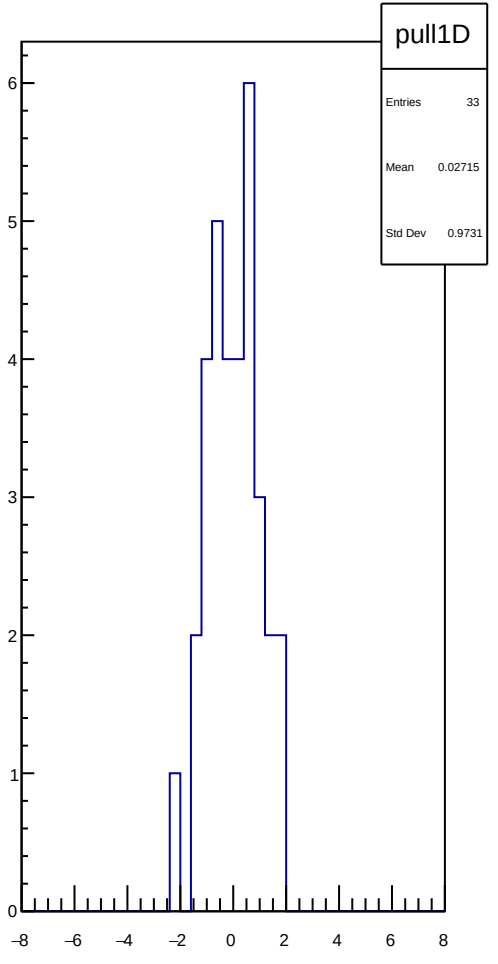

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 1.823e+04 / 32
p0 1032 ± 1.285
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

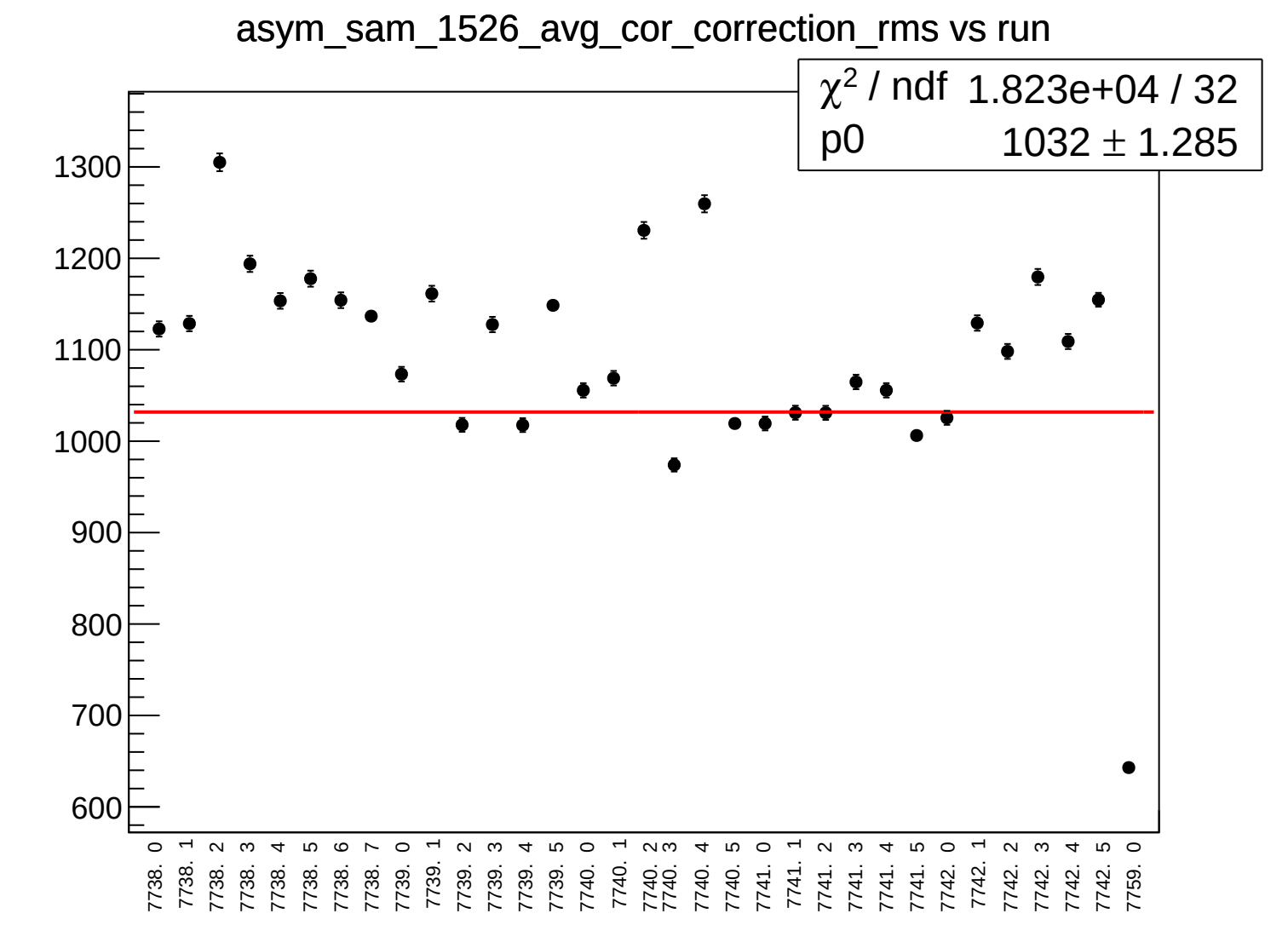

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 28.82 / 32
p0 282.7 ± 254
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.09242
Std Dev 22.3
1.5
1
0.5
0
−0.5
−1
−1.5

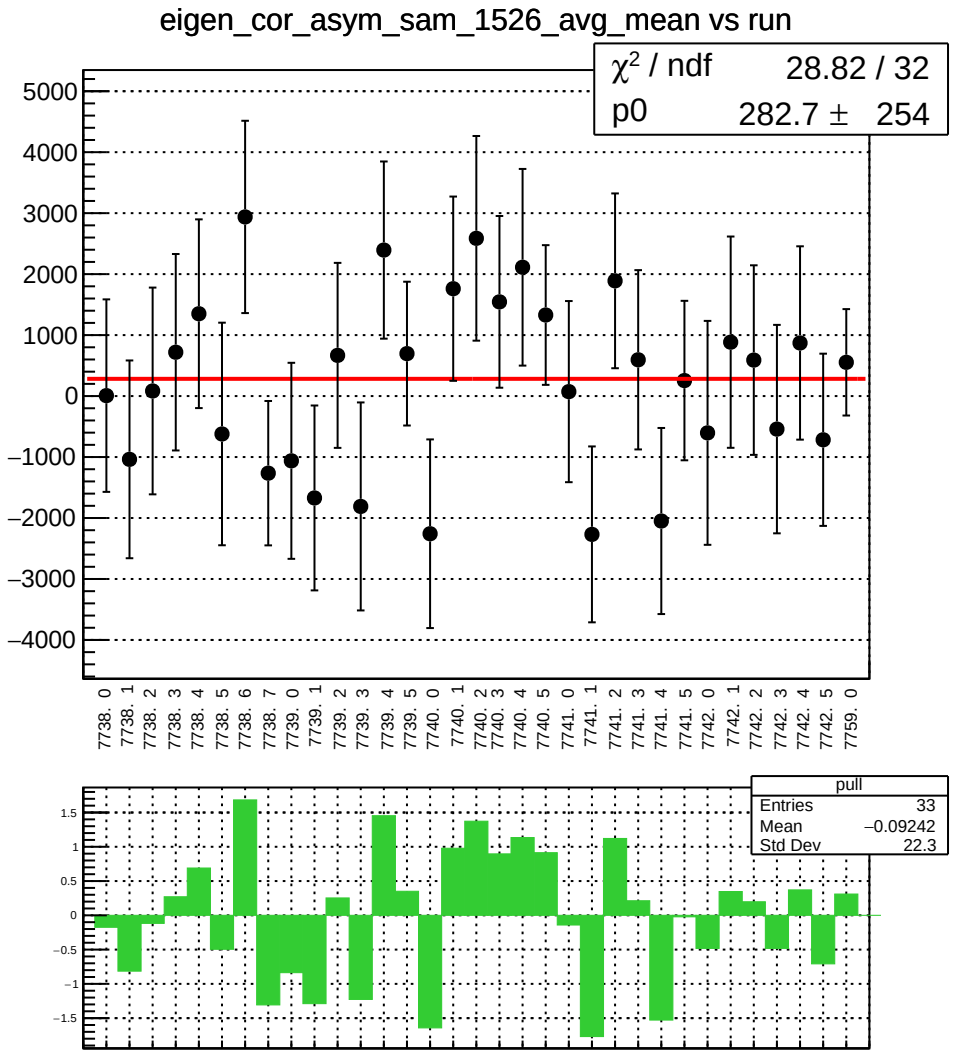

pull1D
Entries 33
Mean −0.01446
Std Dev 0.9344
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

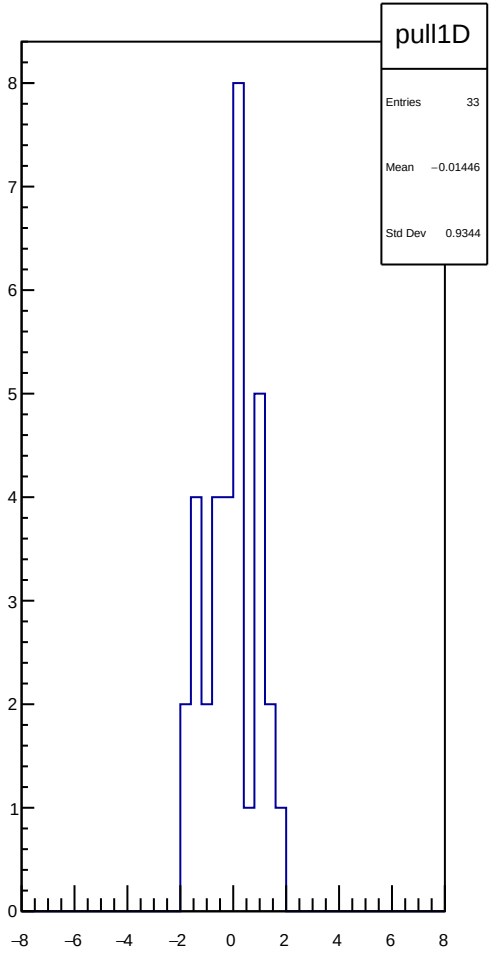

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 5089 / 32
p0 145.7 ± 0.1796
180
170
160
150
140
130
120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

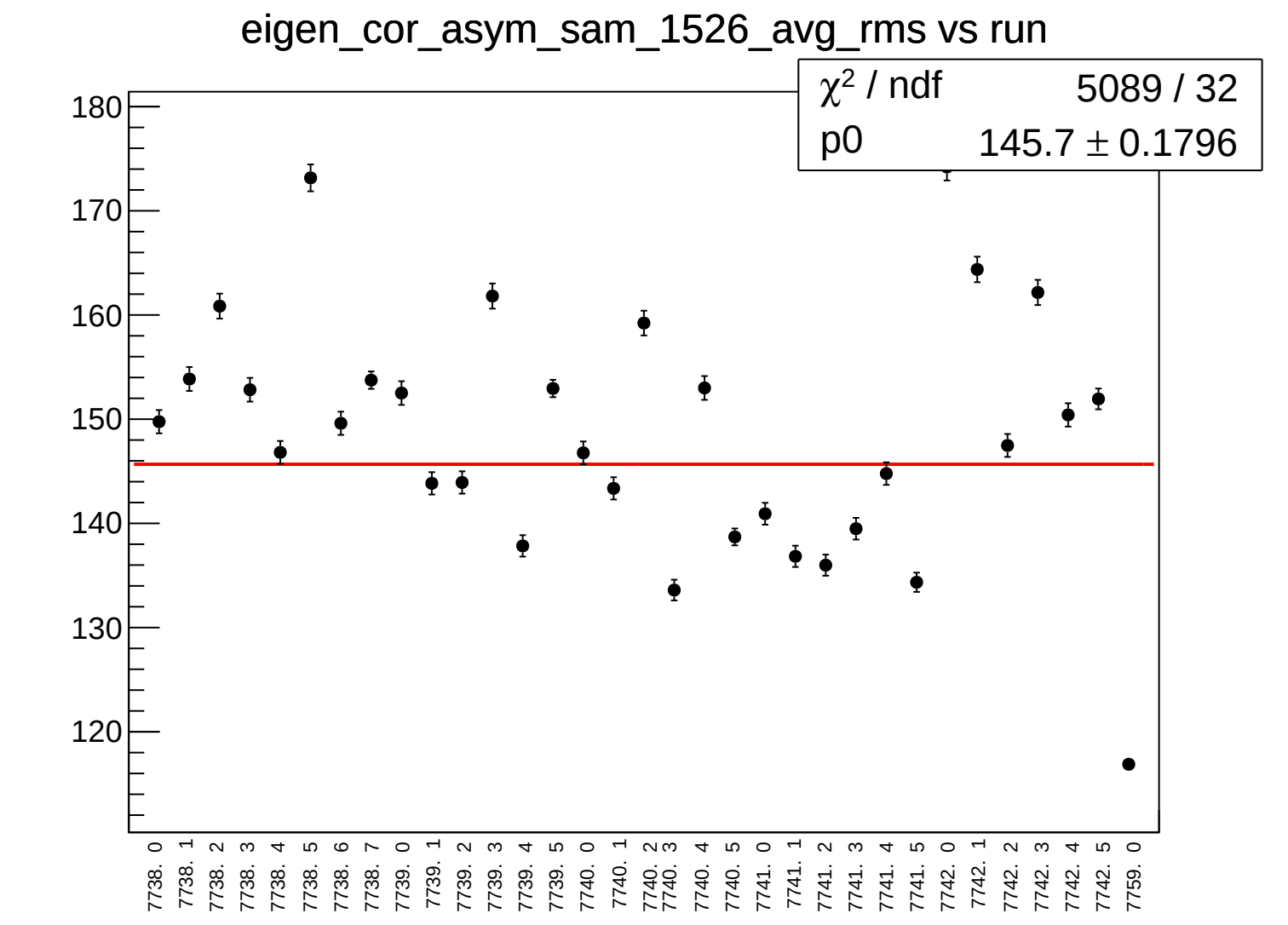

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 31.27 / 32
p0 −274.6 ± 1818
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −97.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

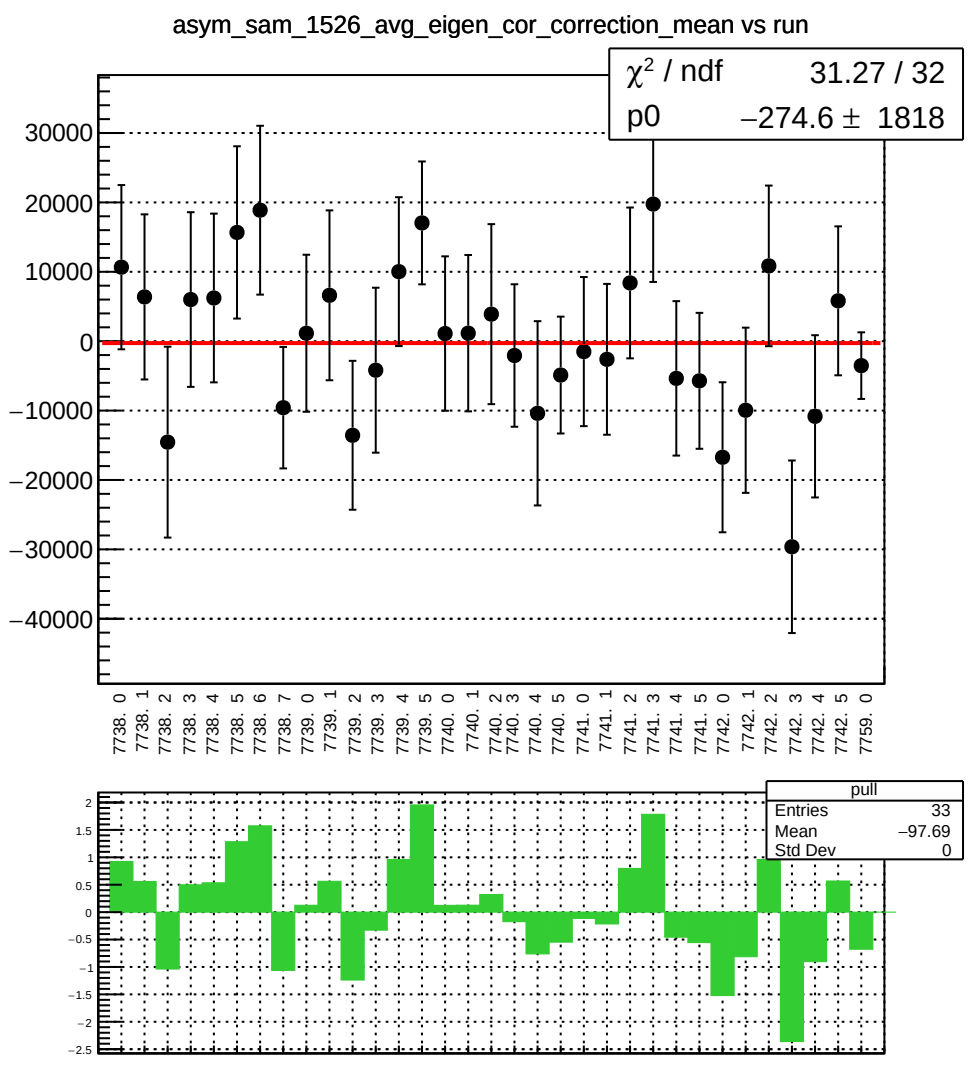

pull1D
Entries 33
Mean 0.02715
Std Dev 0.9731
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

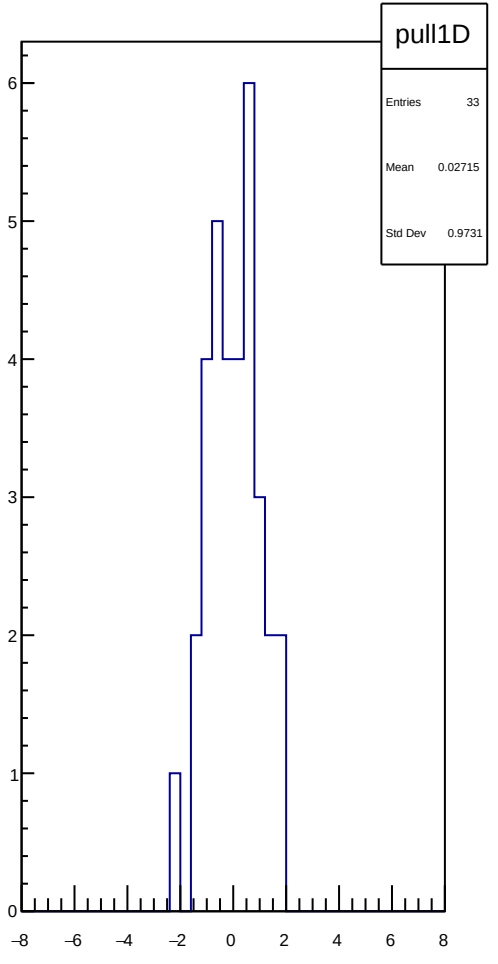

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 1.823e+04 / 32
p0 1032 ± 1.285
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

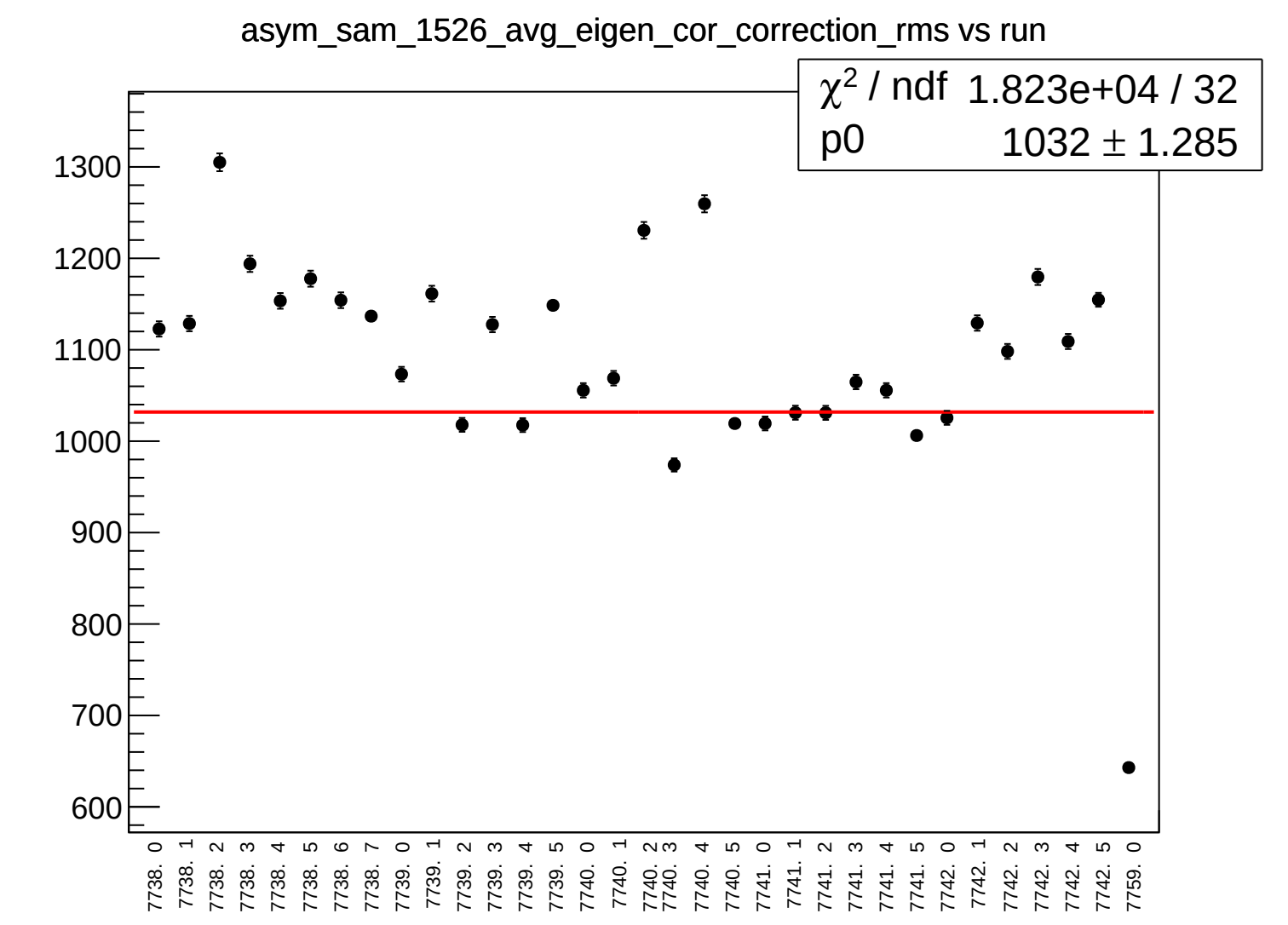

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 28.82 / 32
p0 282.7 ± 254
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.09242
Std Dev 22.3
1.5
1
0.5
0
−0.5
−1
−1.5

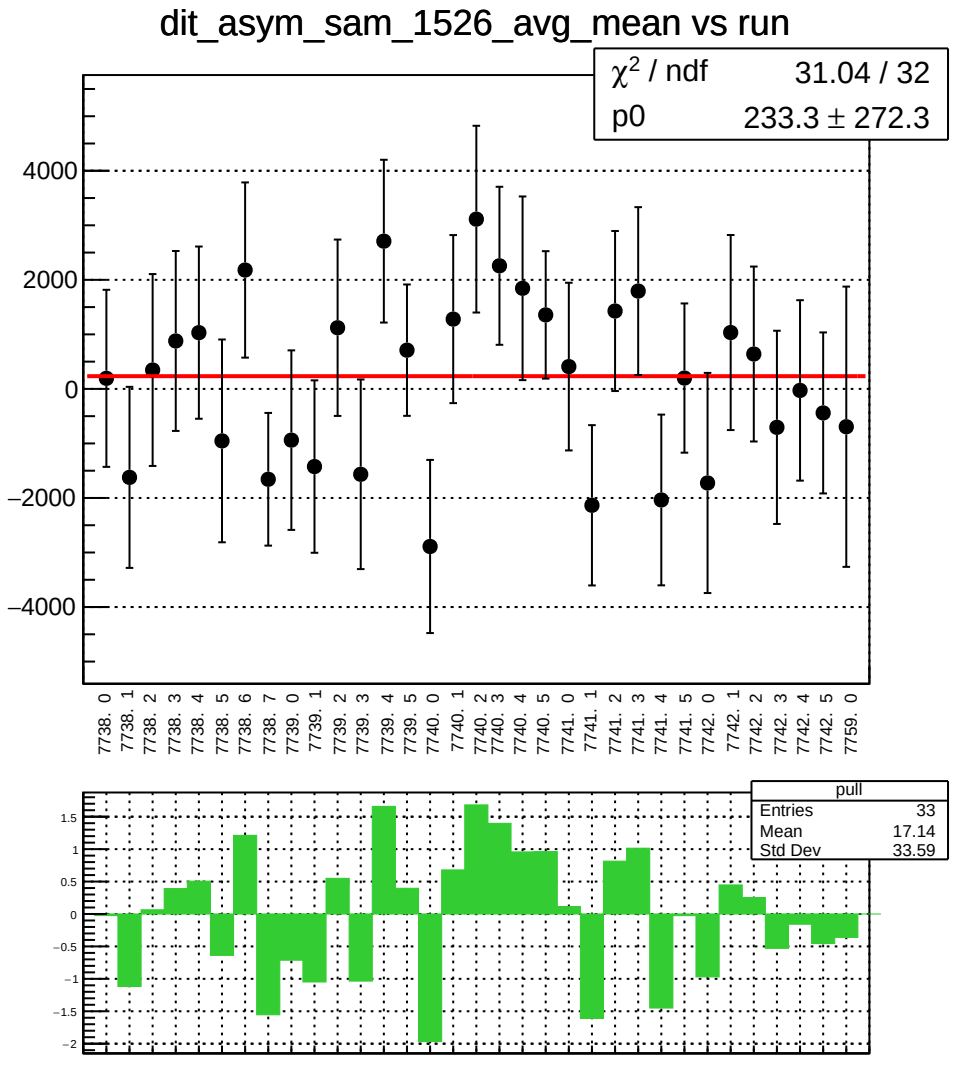

pull1D
Entries 33
Mean −0.01446
Std Dev 0.9344
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

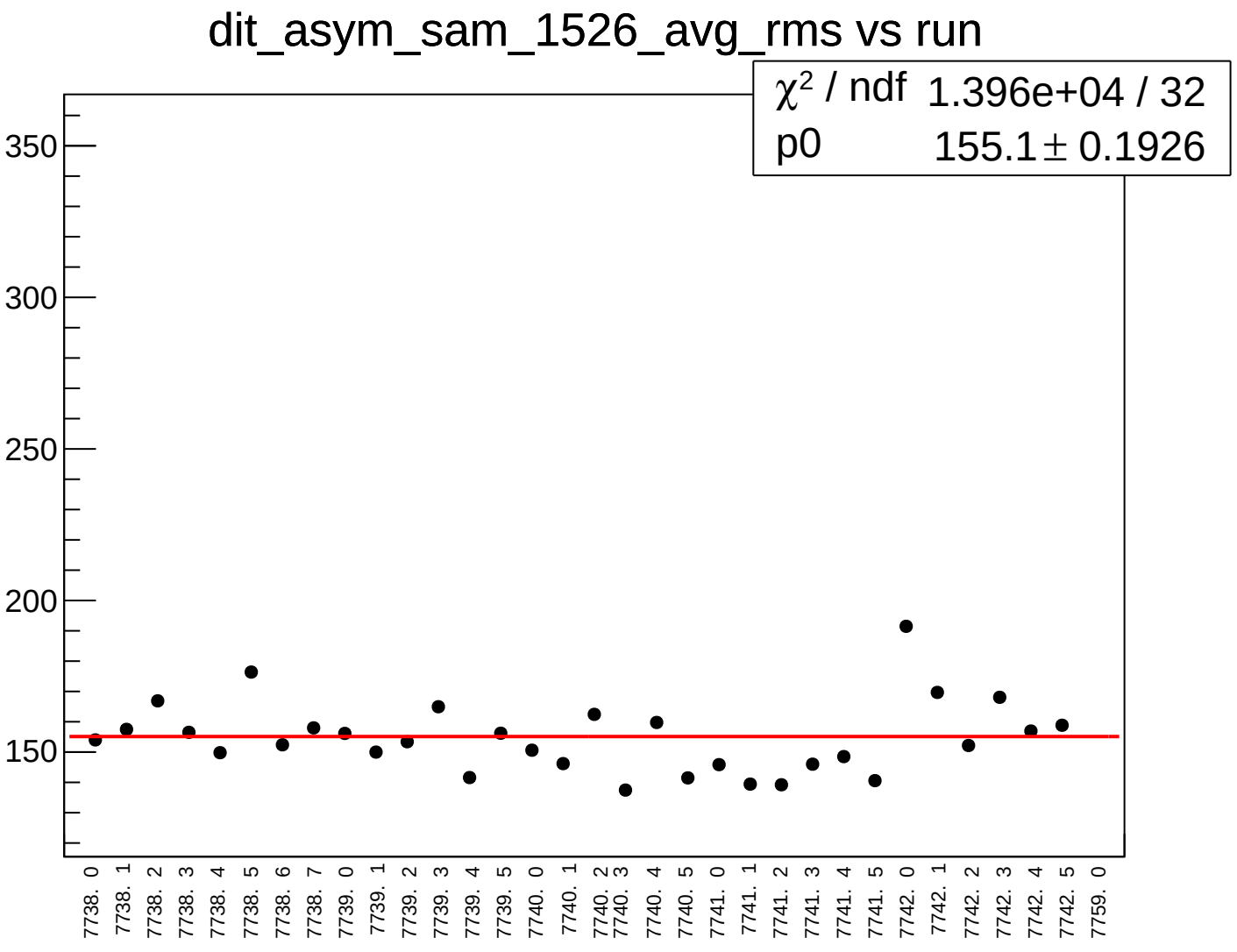

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 5089 / 32
p0 145.7 ± 0.1796
180
170
160
150
140
130
120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

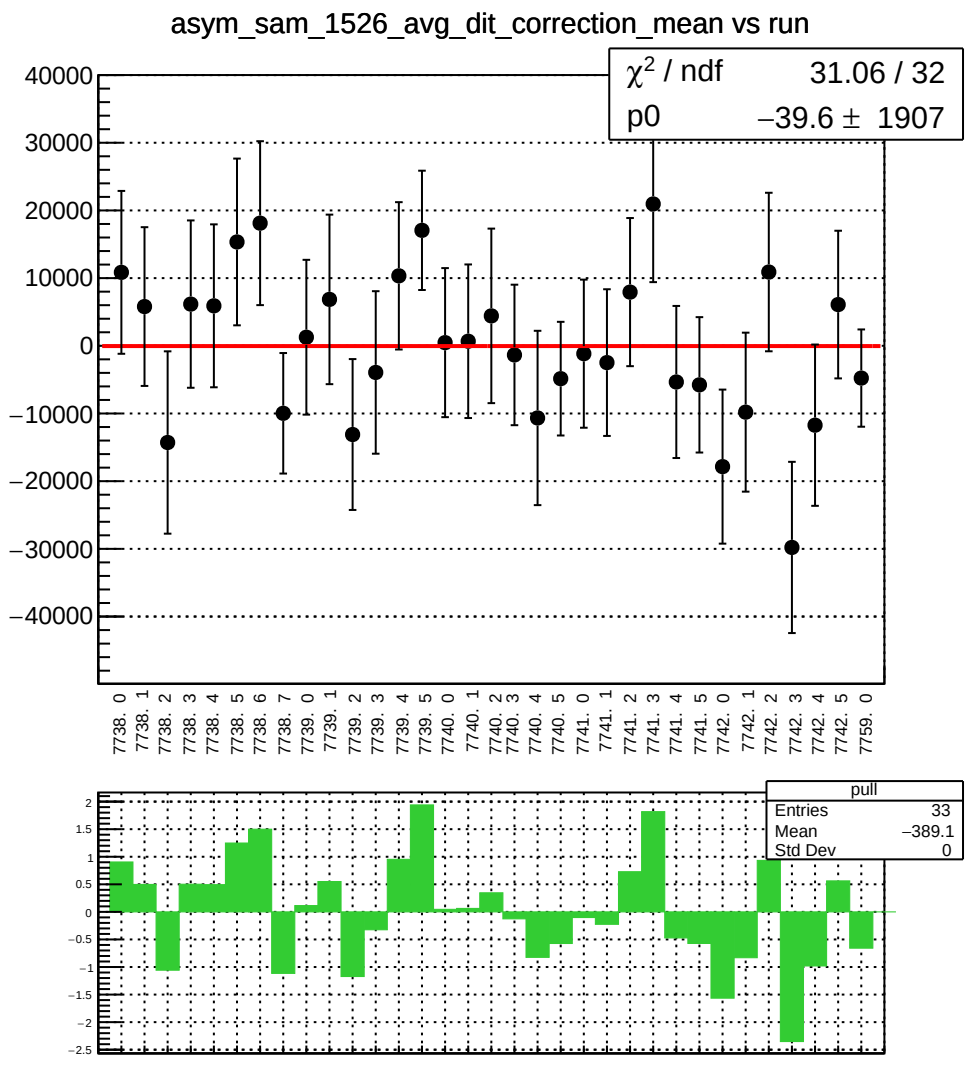

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 31.27 / 32
p0 −274.6 ± 1818
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −97.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

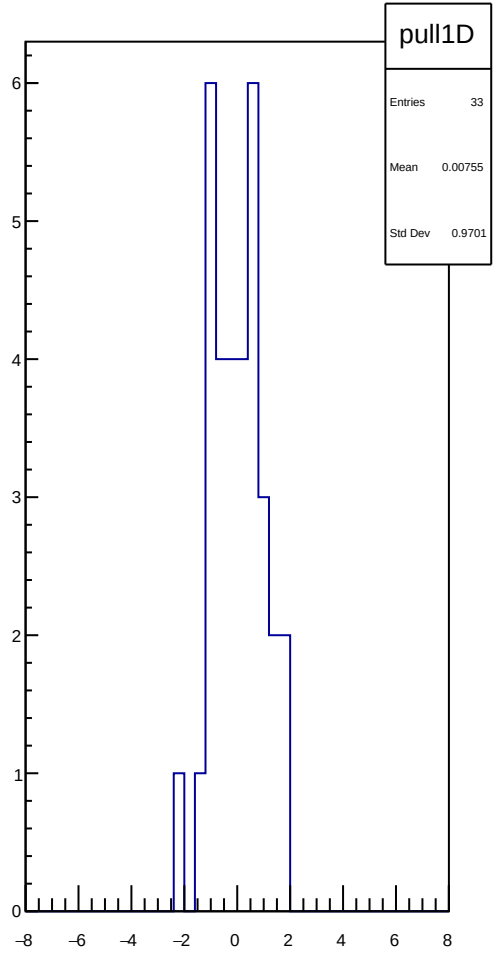

pull1D
Entries 33
Mean 0.02715
Std Dev 0.9731
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

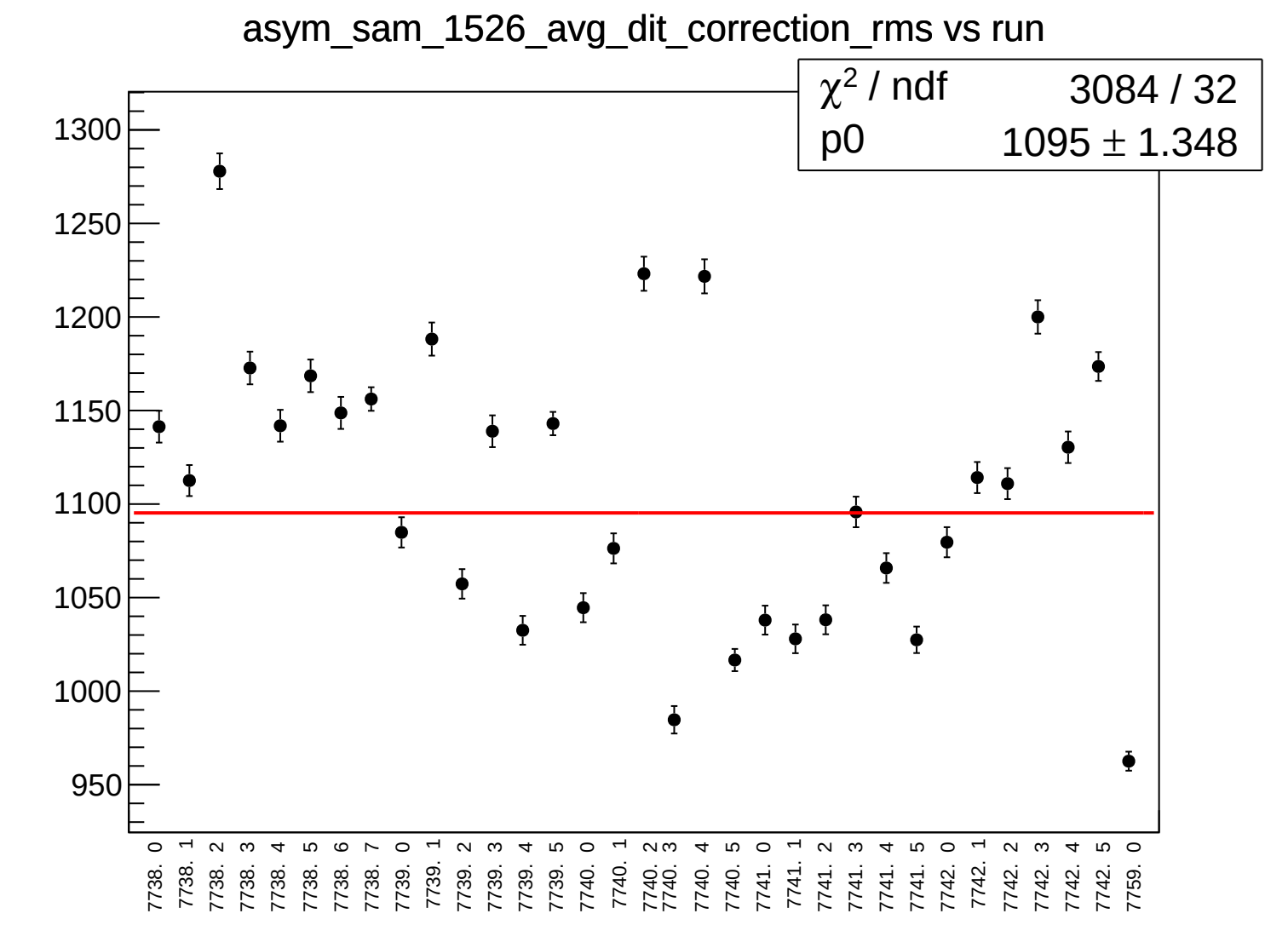

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.823e+04 / 32
p0 1032 ± 1.285
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

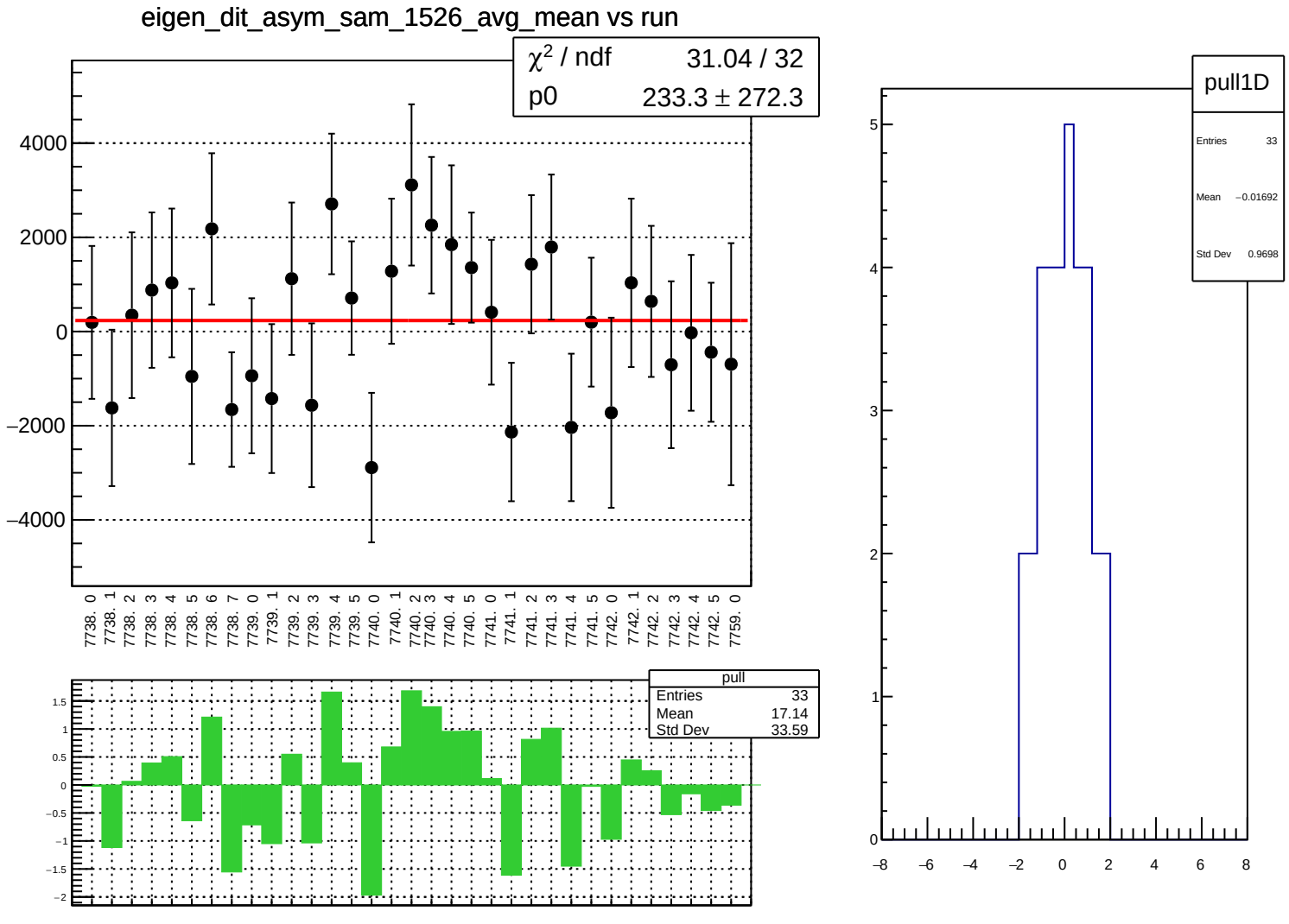

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 31.04 / 32
p0 233.3 ± 272.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.14
Std Dev 33.59
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01692
Std Dev 0.9698
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

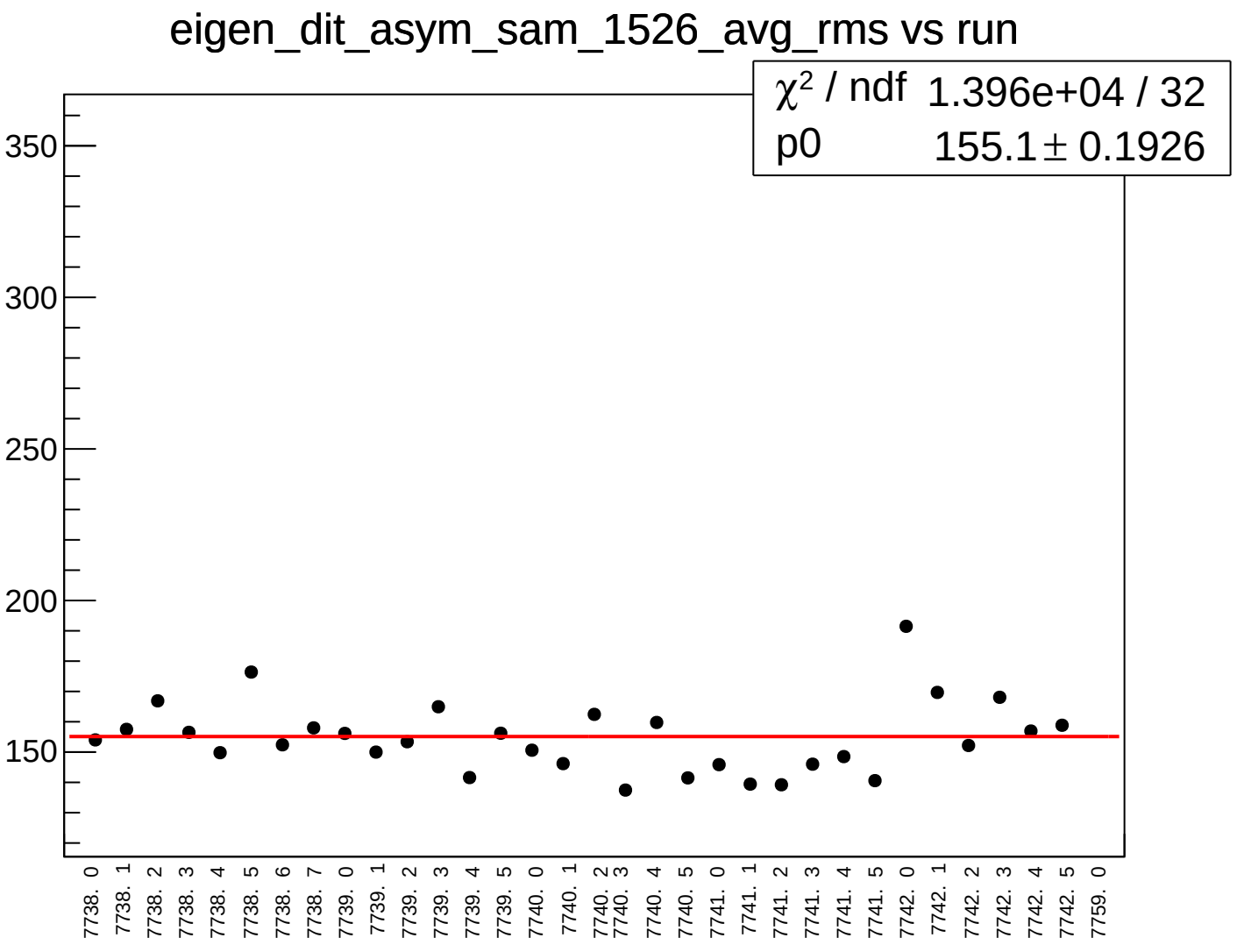

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.396e+04 / 32
p0 155.1 ± 0.1926
350
300
250
200
150
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

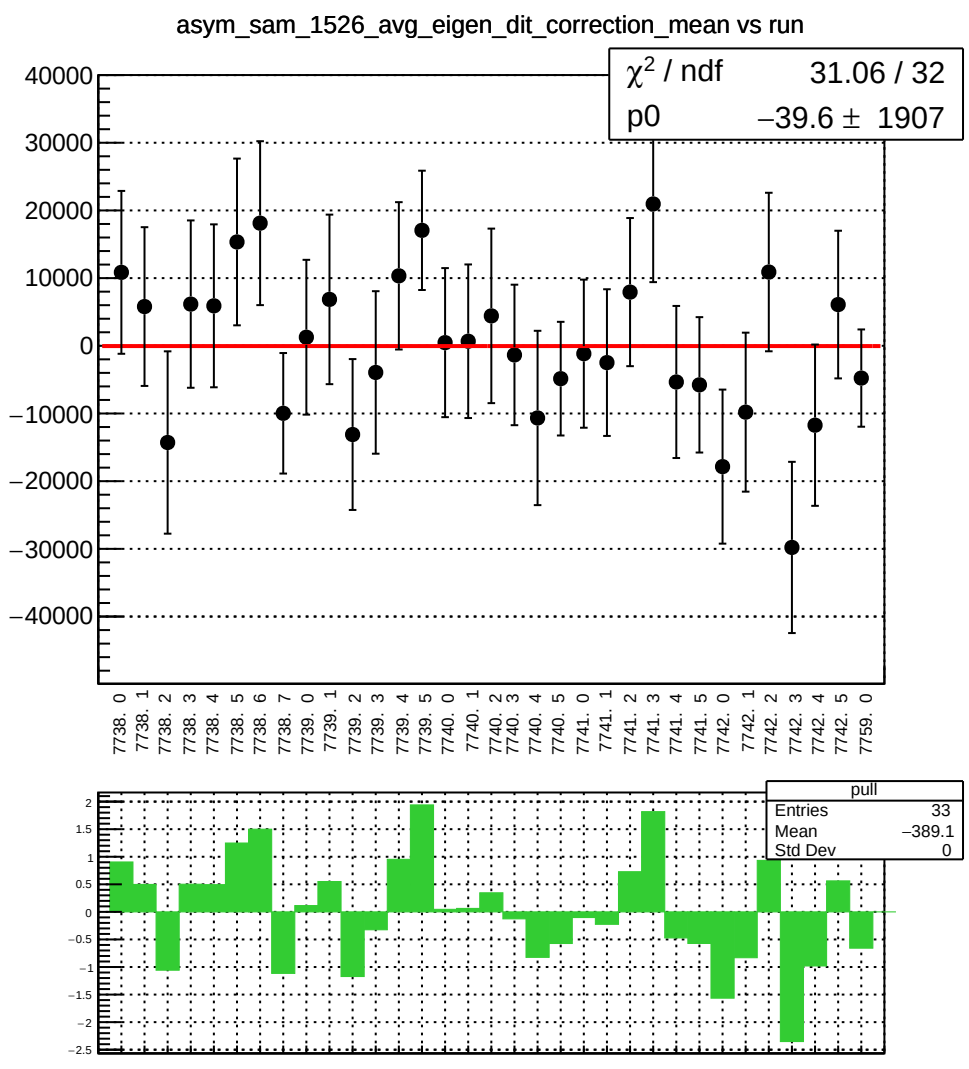

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 31.06 / 32
p0 −39.6 ± 1907
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −389.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

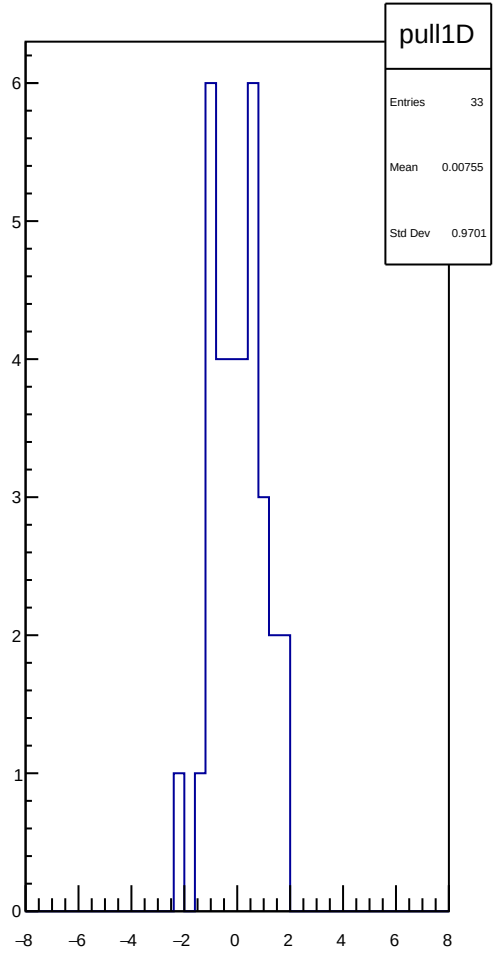

pull1D
Entries 33
Mean 0.00755
Std Dev 0.9701
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

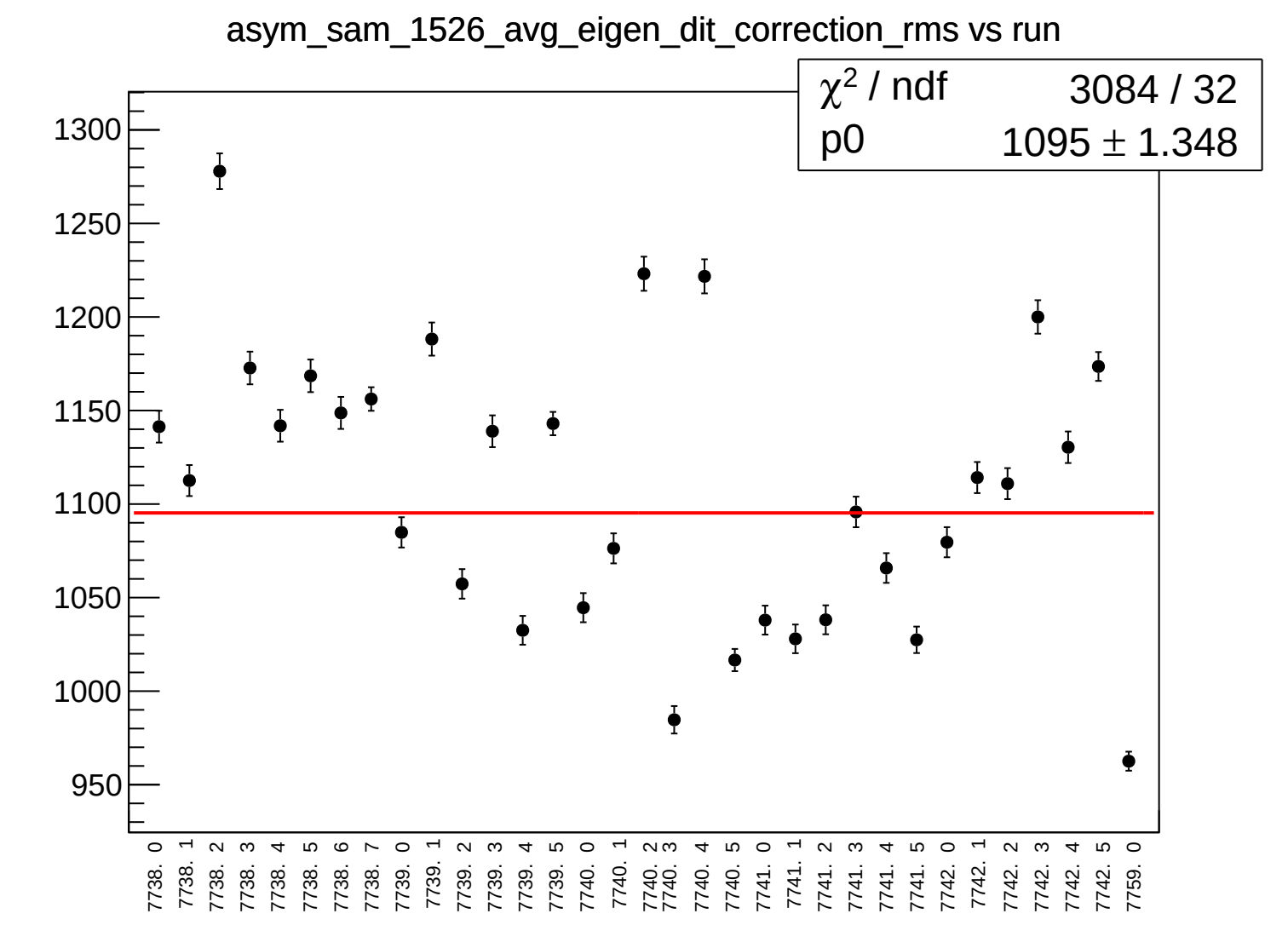

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 3084 / 32
p0 1095 ± 1.348
1300
1250
1200
1150
1100
1050
1000
950
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

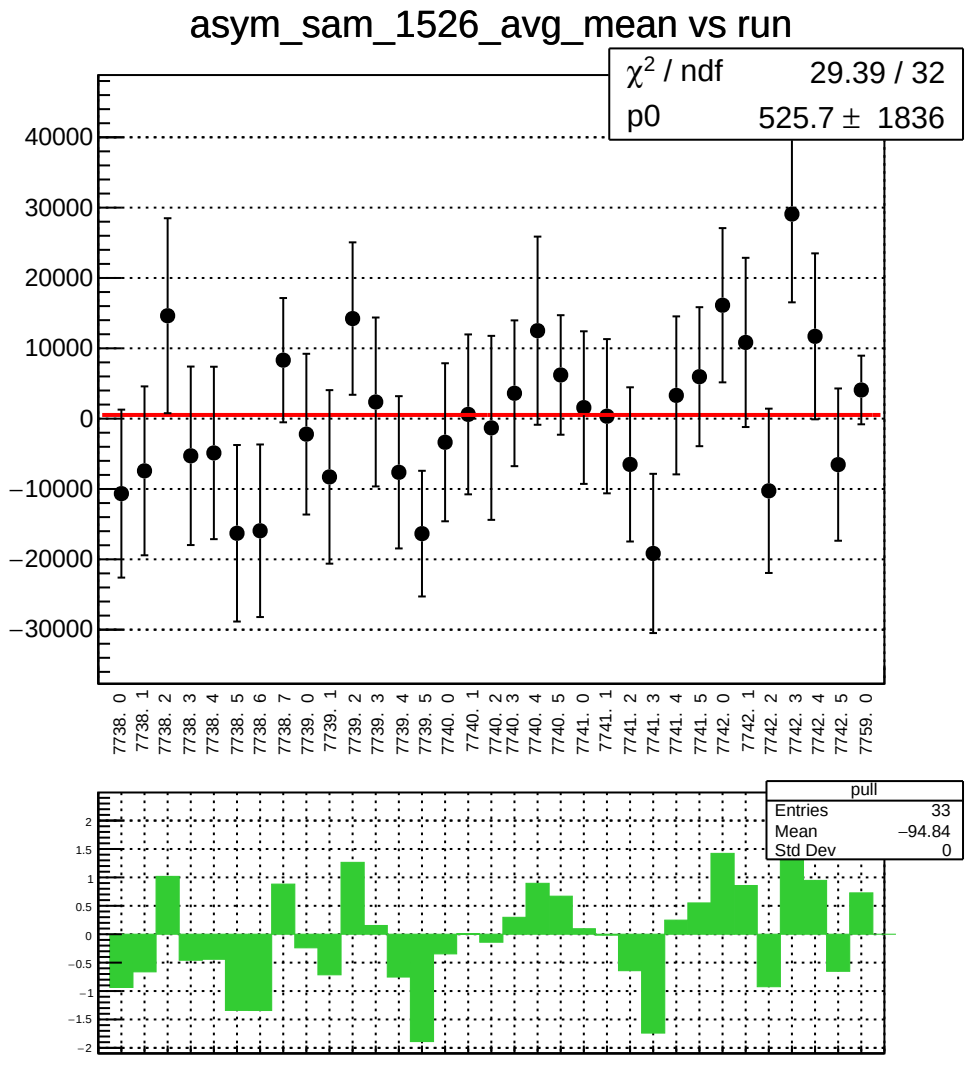

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 31.04 / 32
p0 233.3 ± 272.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.14
Std Dev 33.59
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01692
Std Dev 0.9698
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

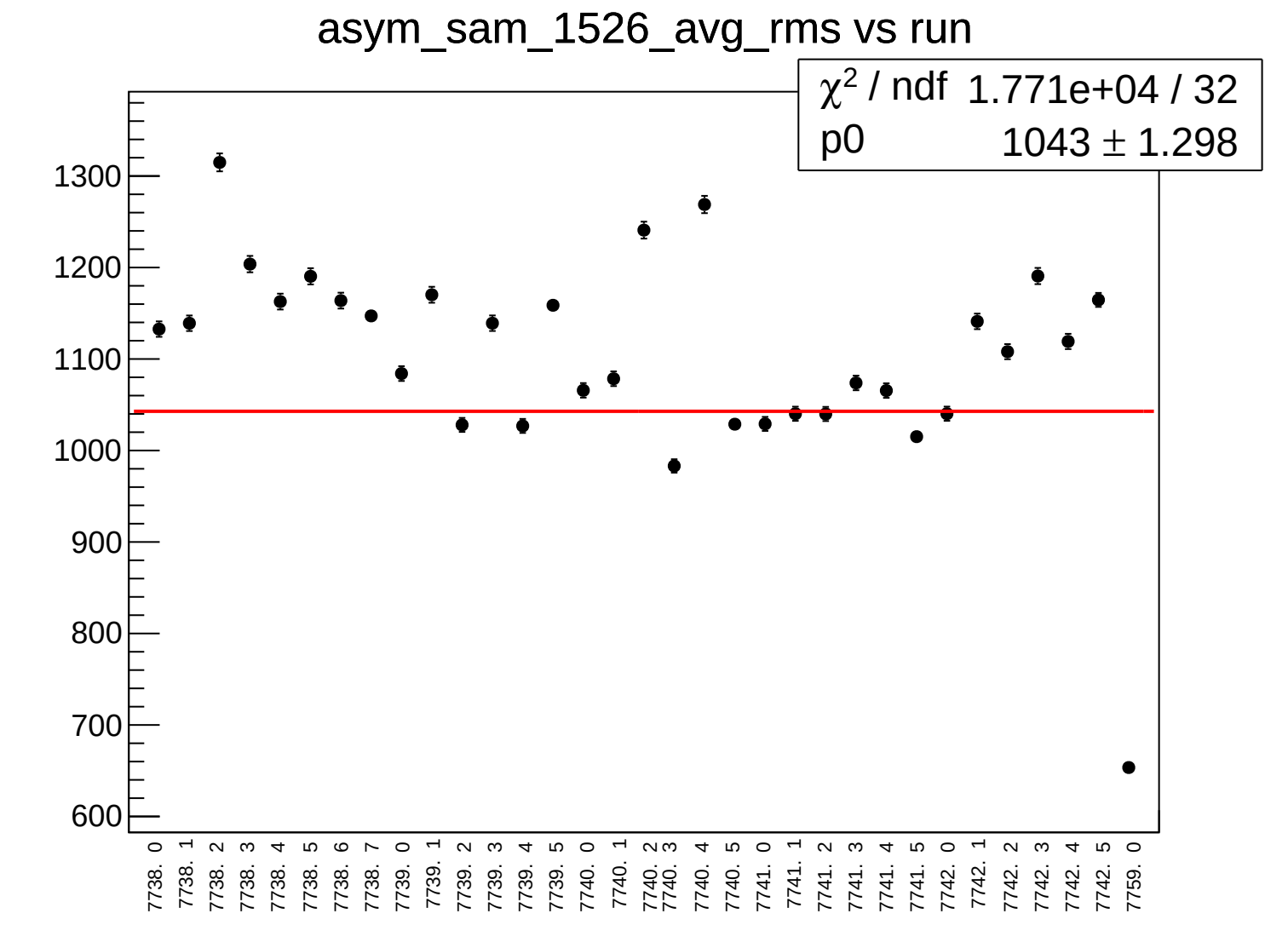

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.396e+04 / 32
p0 155.1 ± 0.1926
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

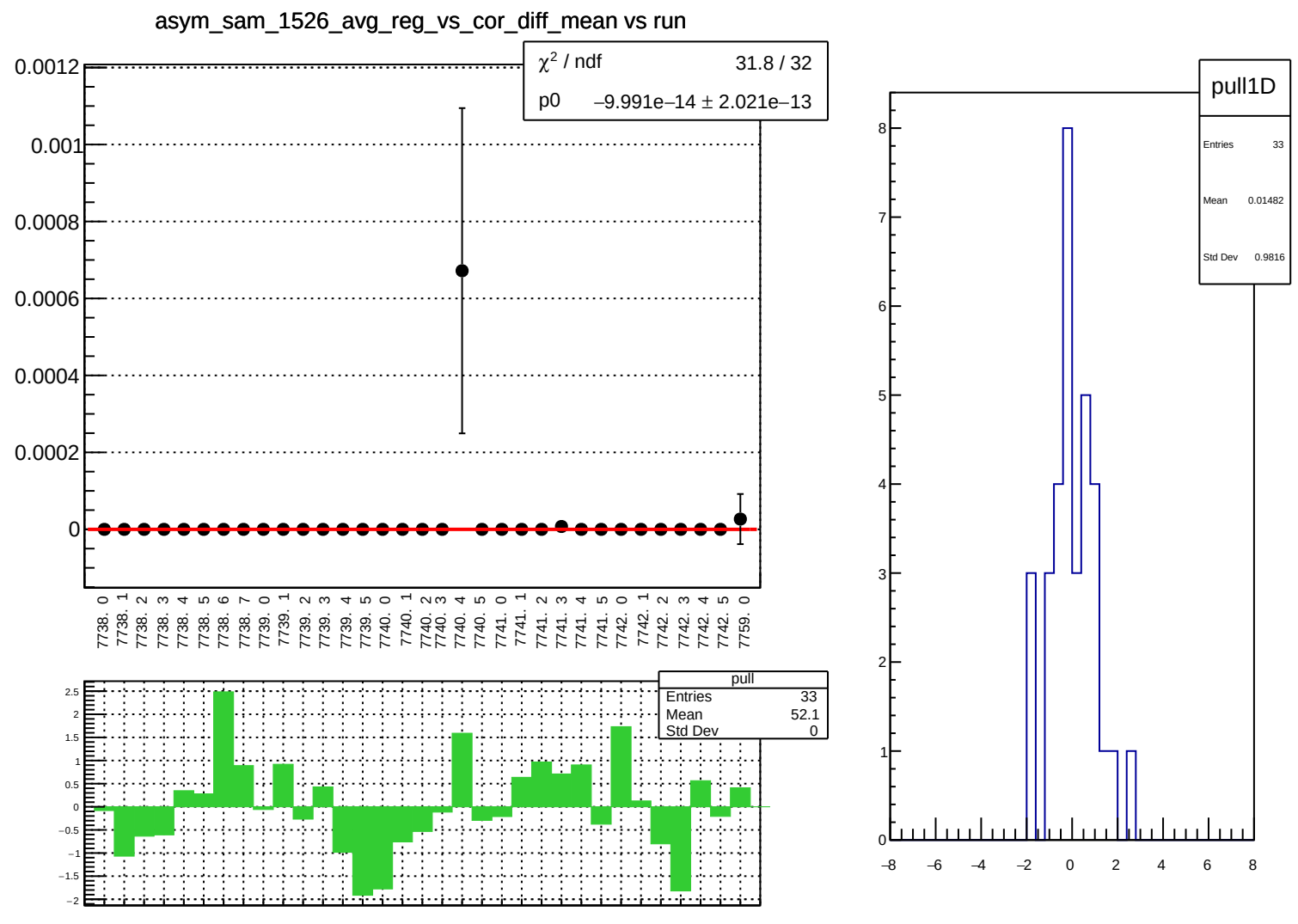

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.06 / 32
p0 −39.6 ± 1907
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −389.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

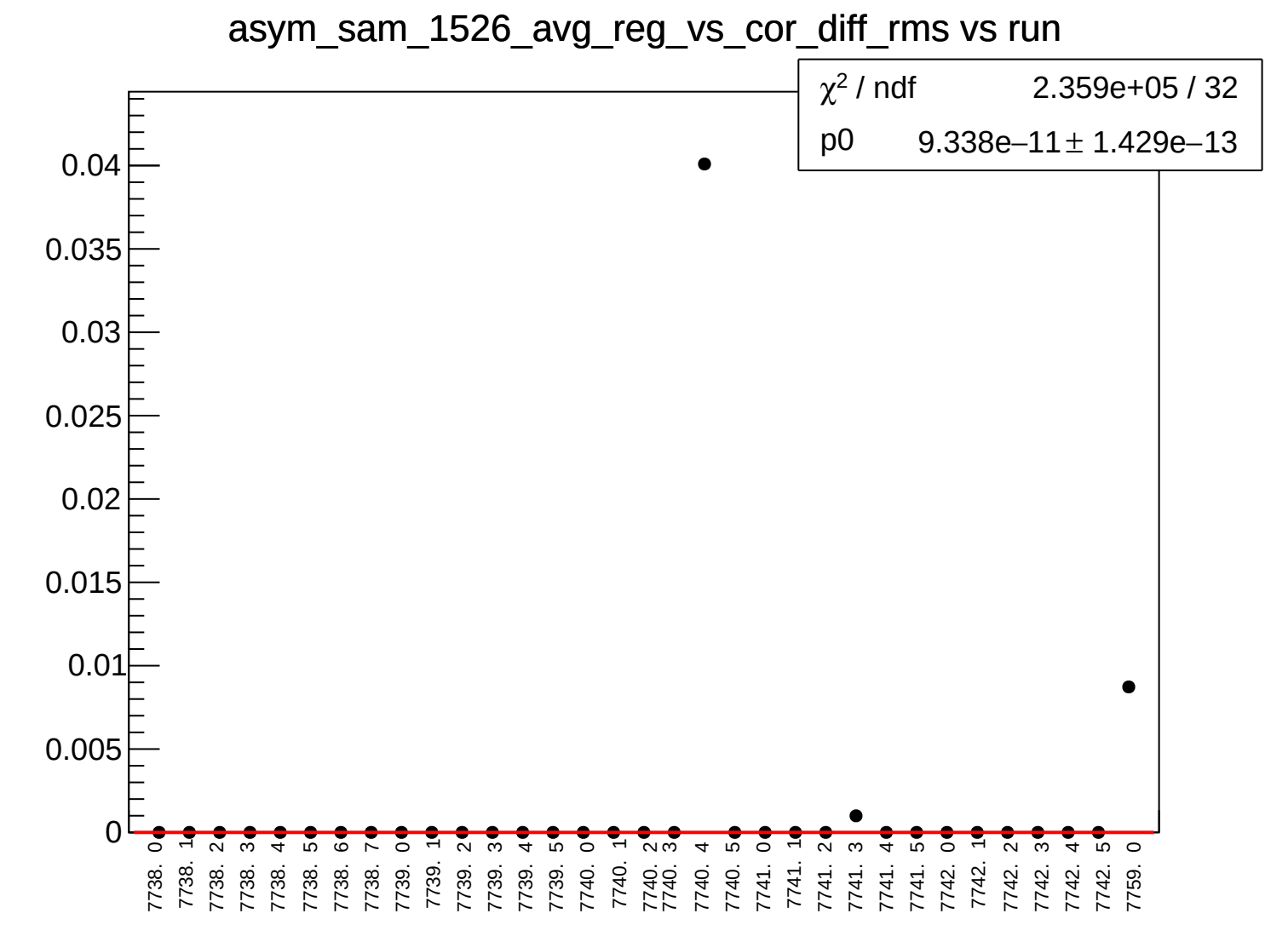

pull1D
Entries 33
Mean 0.00755
Std Dev 0.9701
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

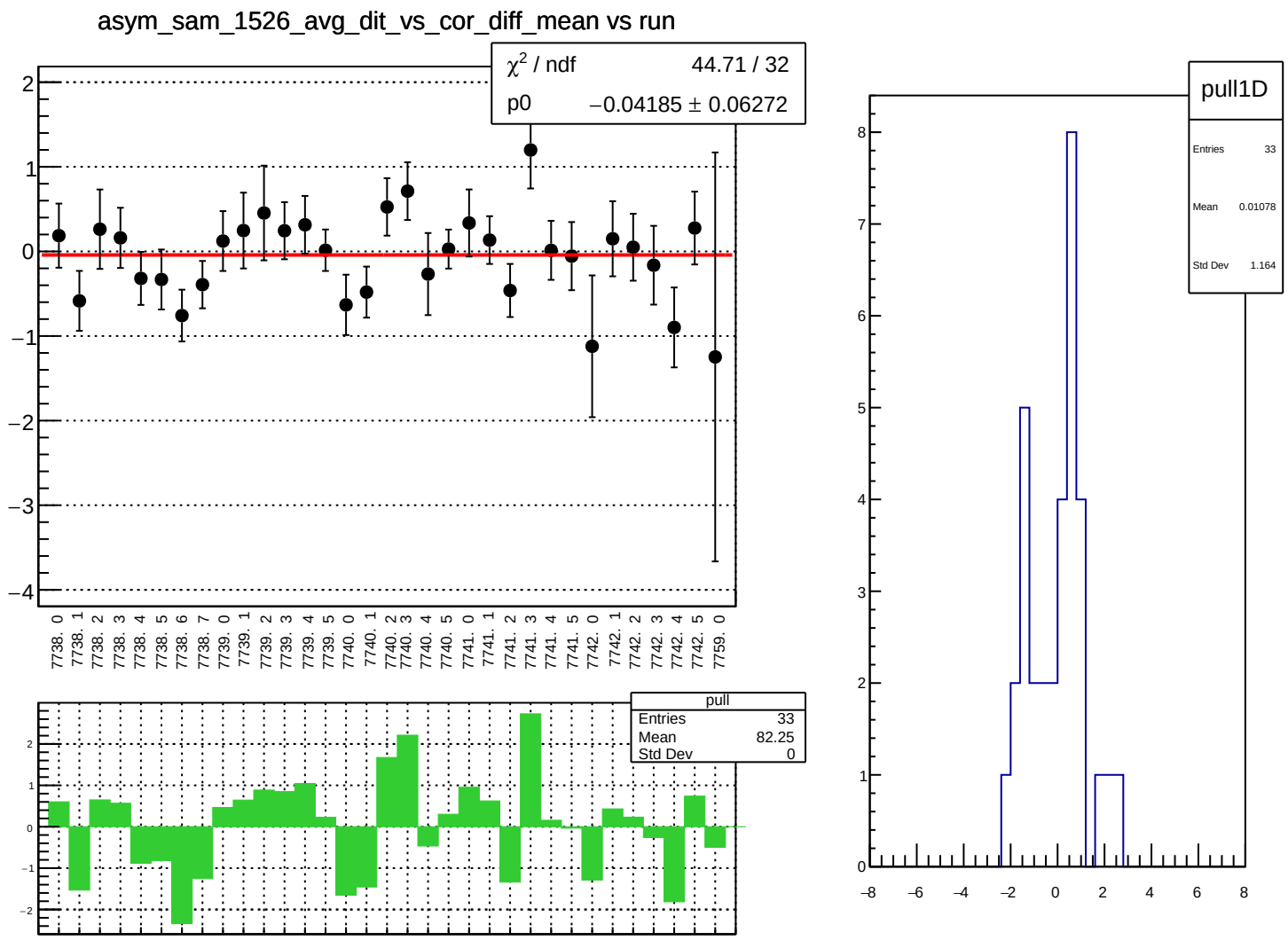

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 3084 / 32
p0 1095 ± 1.348
1300
1250
1200
1150
1100
1050
1000
950
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

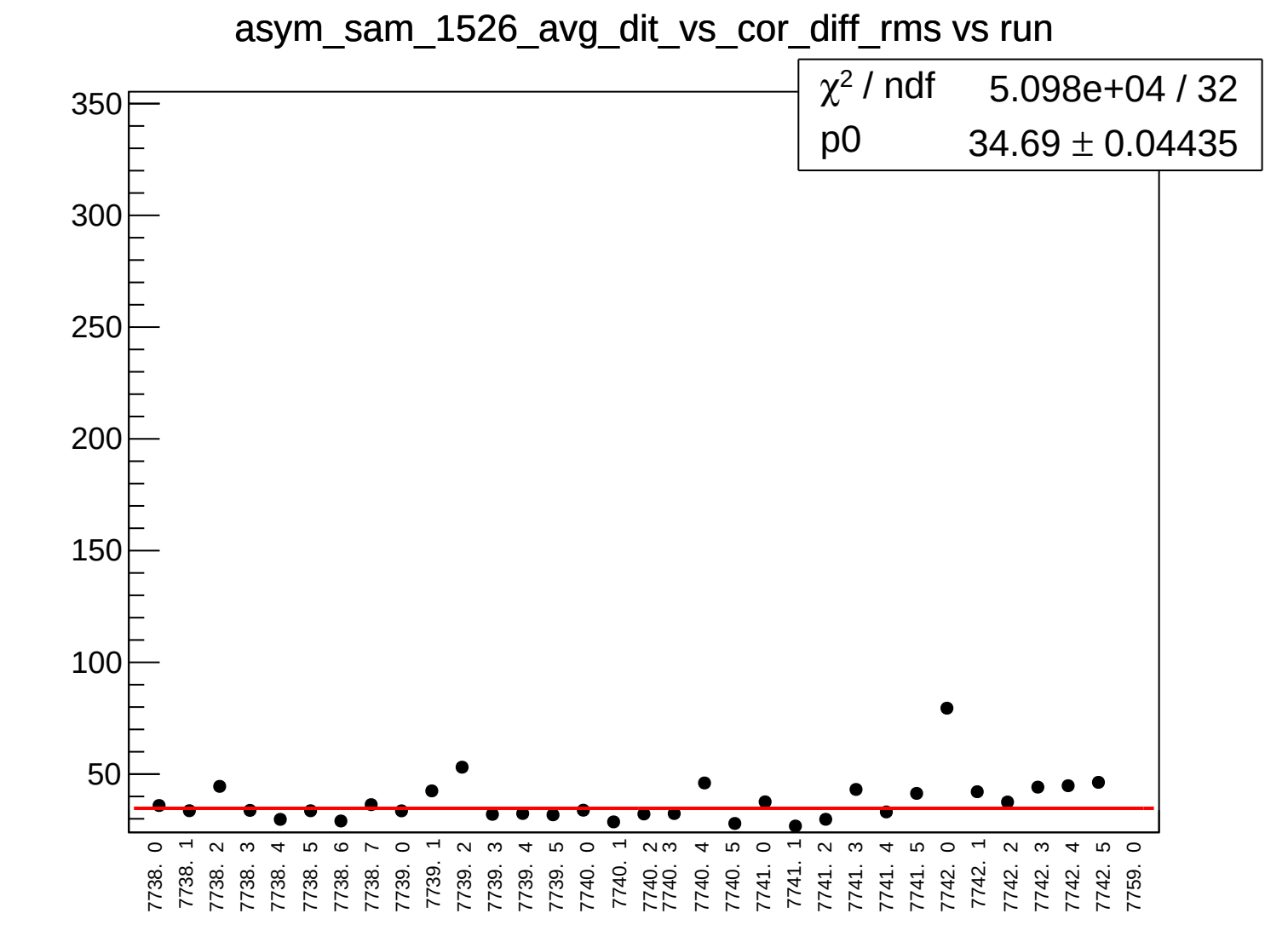

asym_sam_1526_avg_mean vs run
χ² / ndf 29.39 / 32
p0 525.7 ± 1836
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −94.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02794
Std Dev 0.9432
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

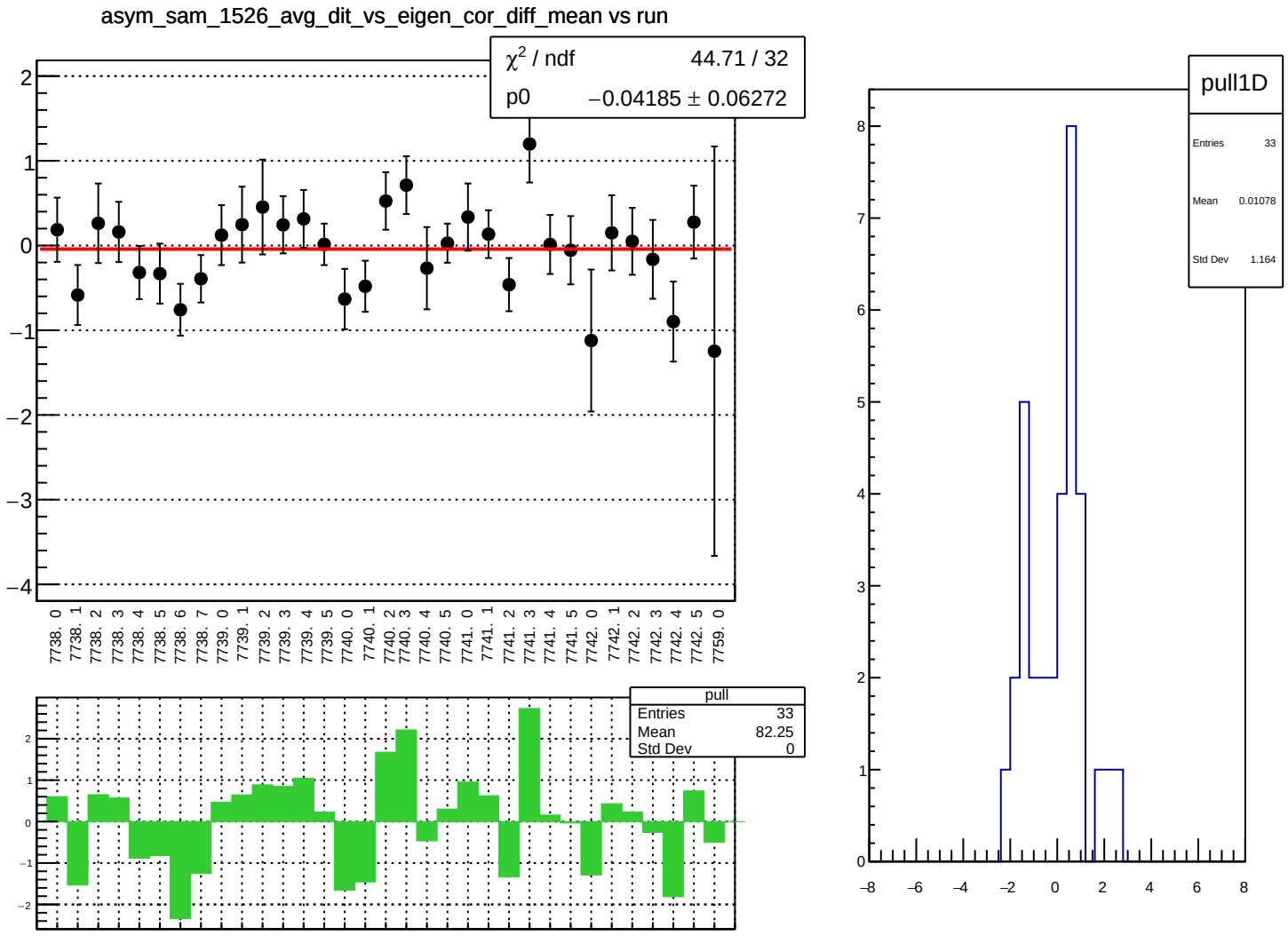

asym_sam_1526_avg_rms vs run
χ² / ndf 1.771e+04 / 32
p0 1043 ± 1.298
1300
1200
1100
1000
900
800
700
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

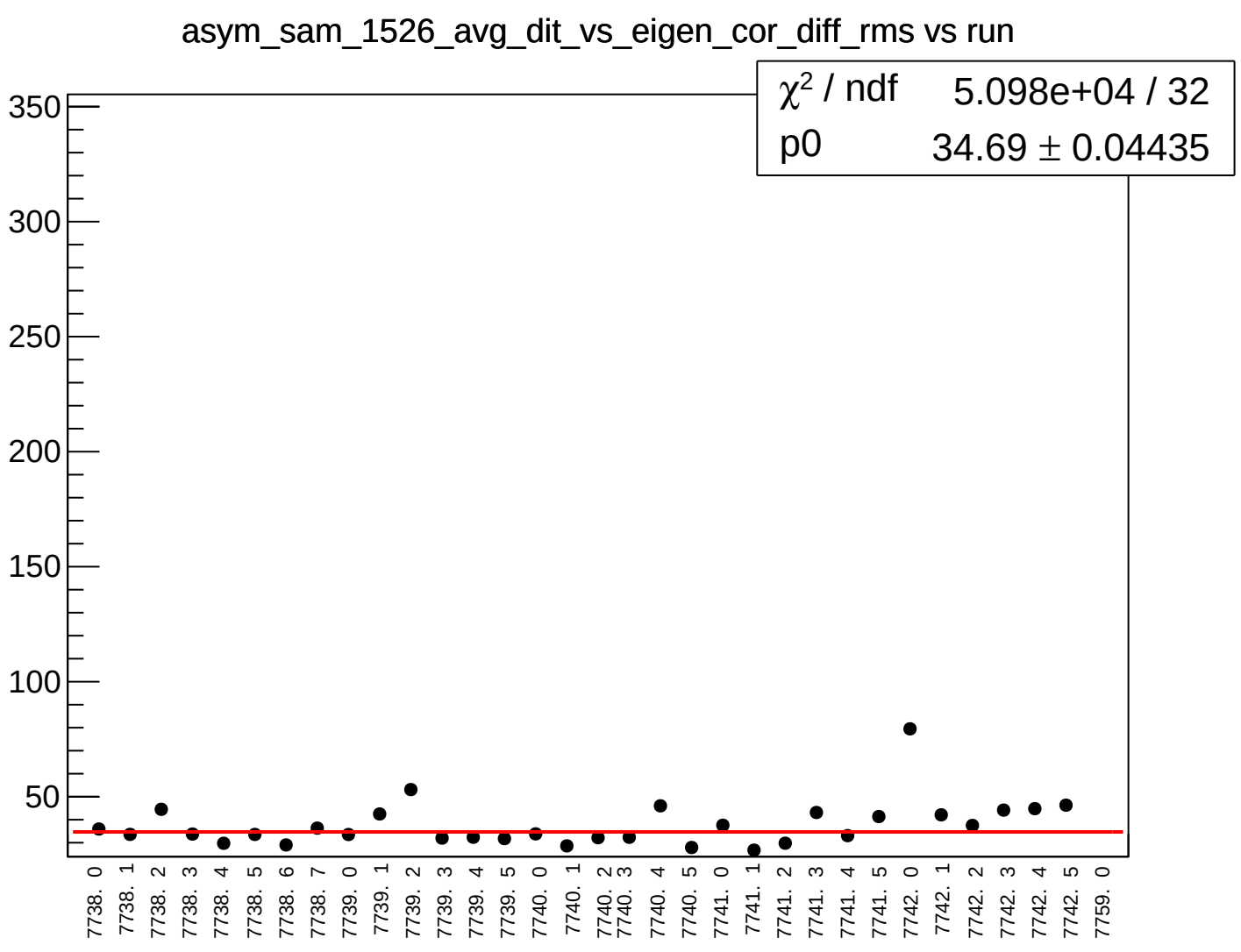

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 31.8 / 32
p0 −9.991e−14 ± 2.021e−13
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 52.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01482
Std Dev 0.9816
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

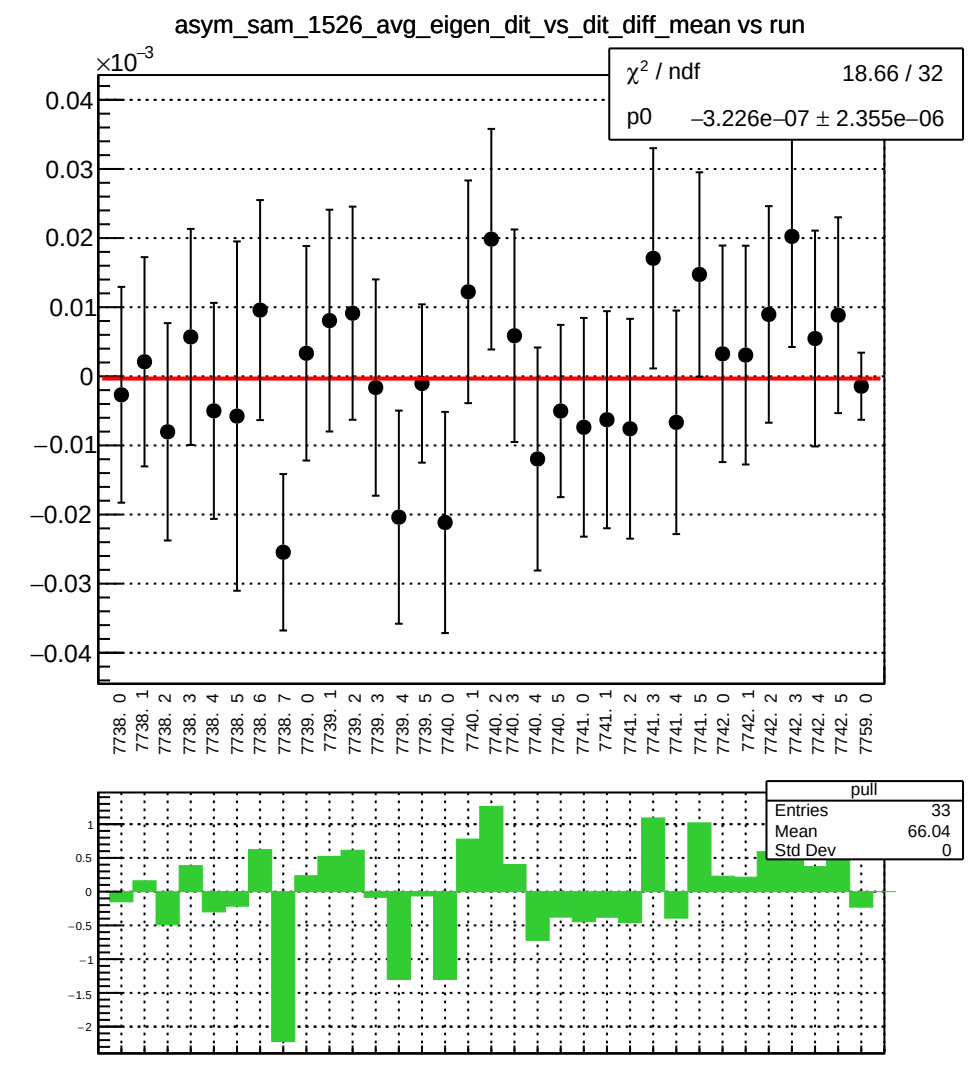

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.359e+05 / 32
p0 9.338e−11 ± 1.429e−13
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

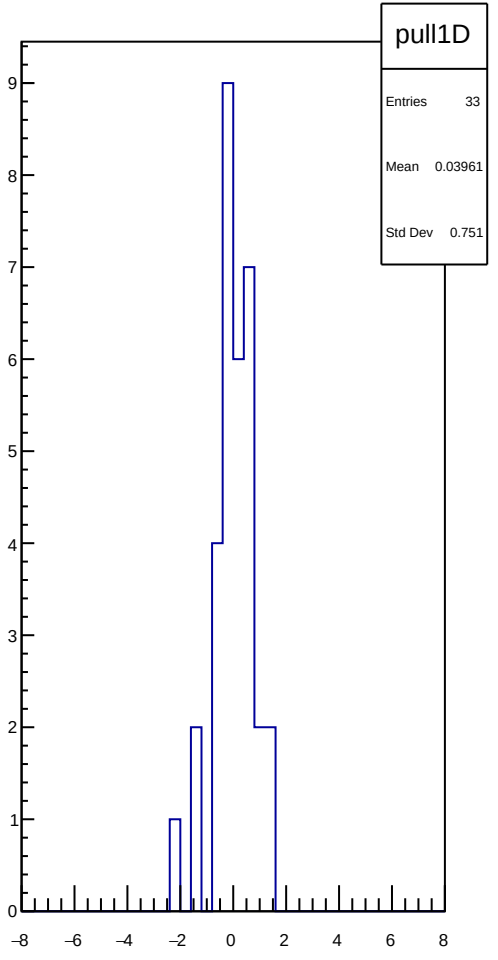

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.71 / 32
p0 −0.04185 ± 0.06272
2
1
0
−1
−2
−3
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 82.25
Std Dev 0
pull1D
Entries 33
Mean 0.01078
Std Dev 1.164
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

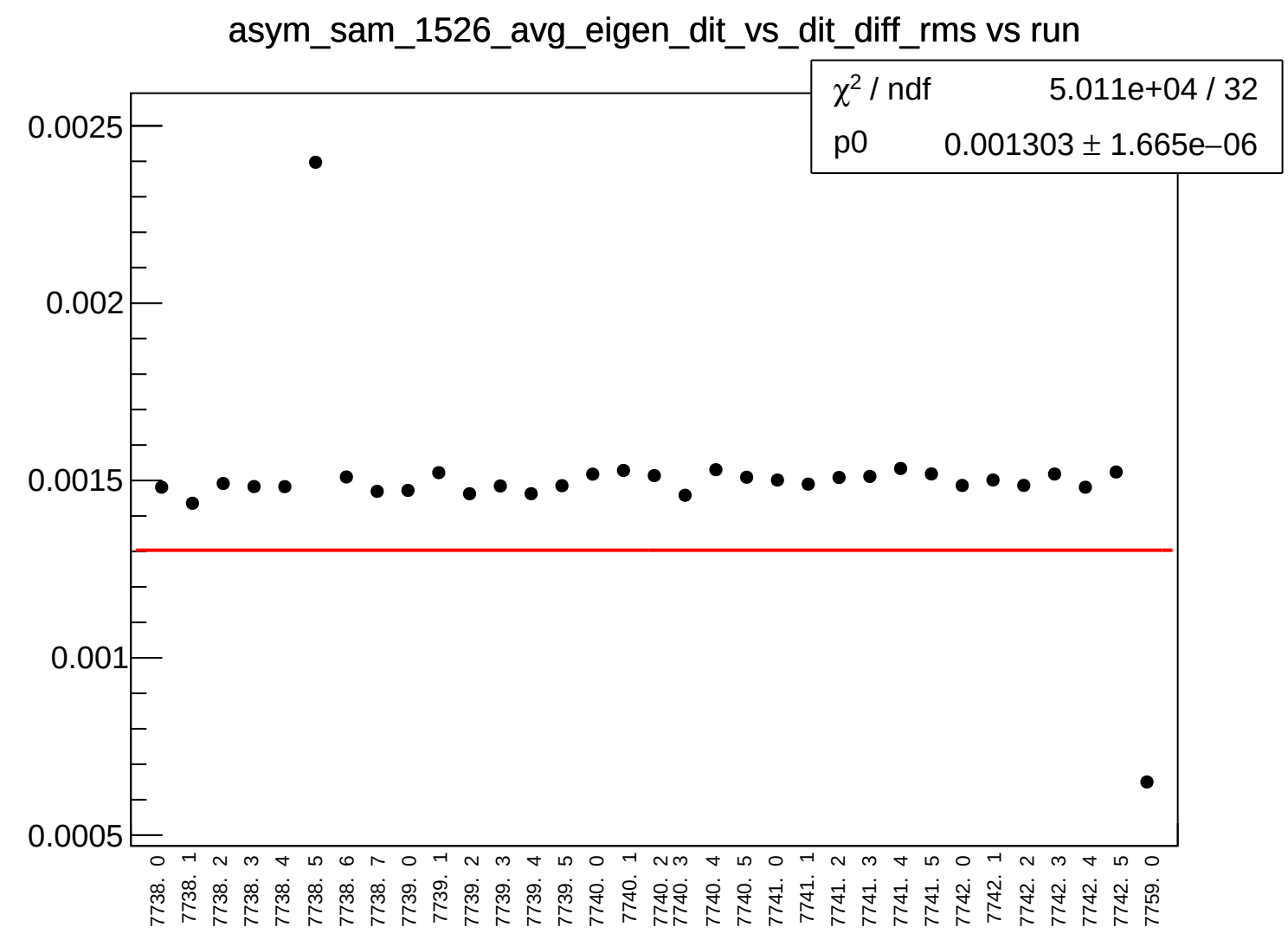

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.098e+04 / 32
p0 34.69 ± 0.04435
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

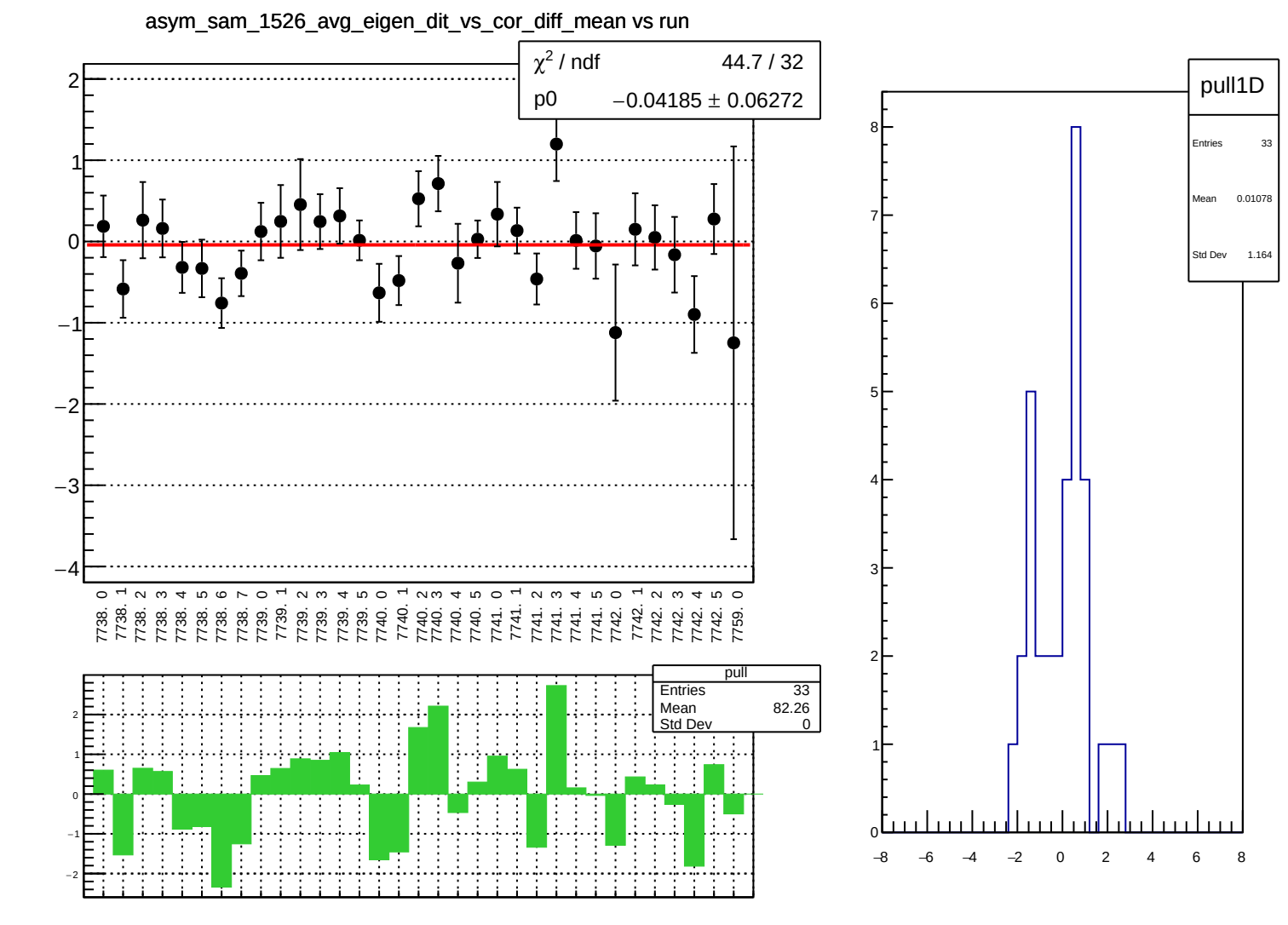

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.71 / 32
p0 −0.04185 ± 0.06272
pull
Entries 33
Mean 82.25
Std Dev 0
pull1D
Entries 33
Mean 0.01078
Std Dev 1.164

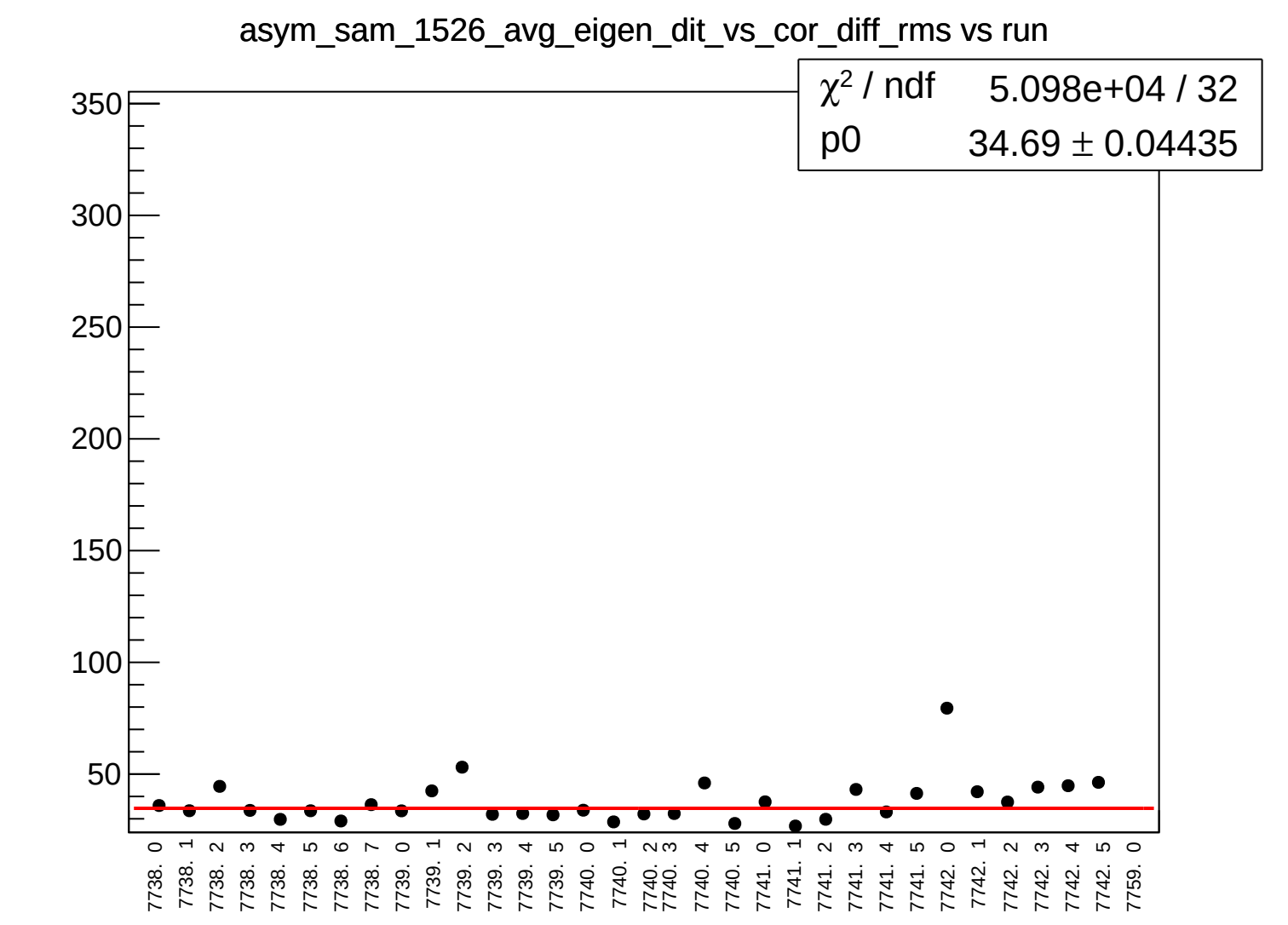

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.098e+04 / 32
p0 34.69 ± 0.04435
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

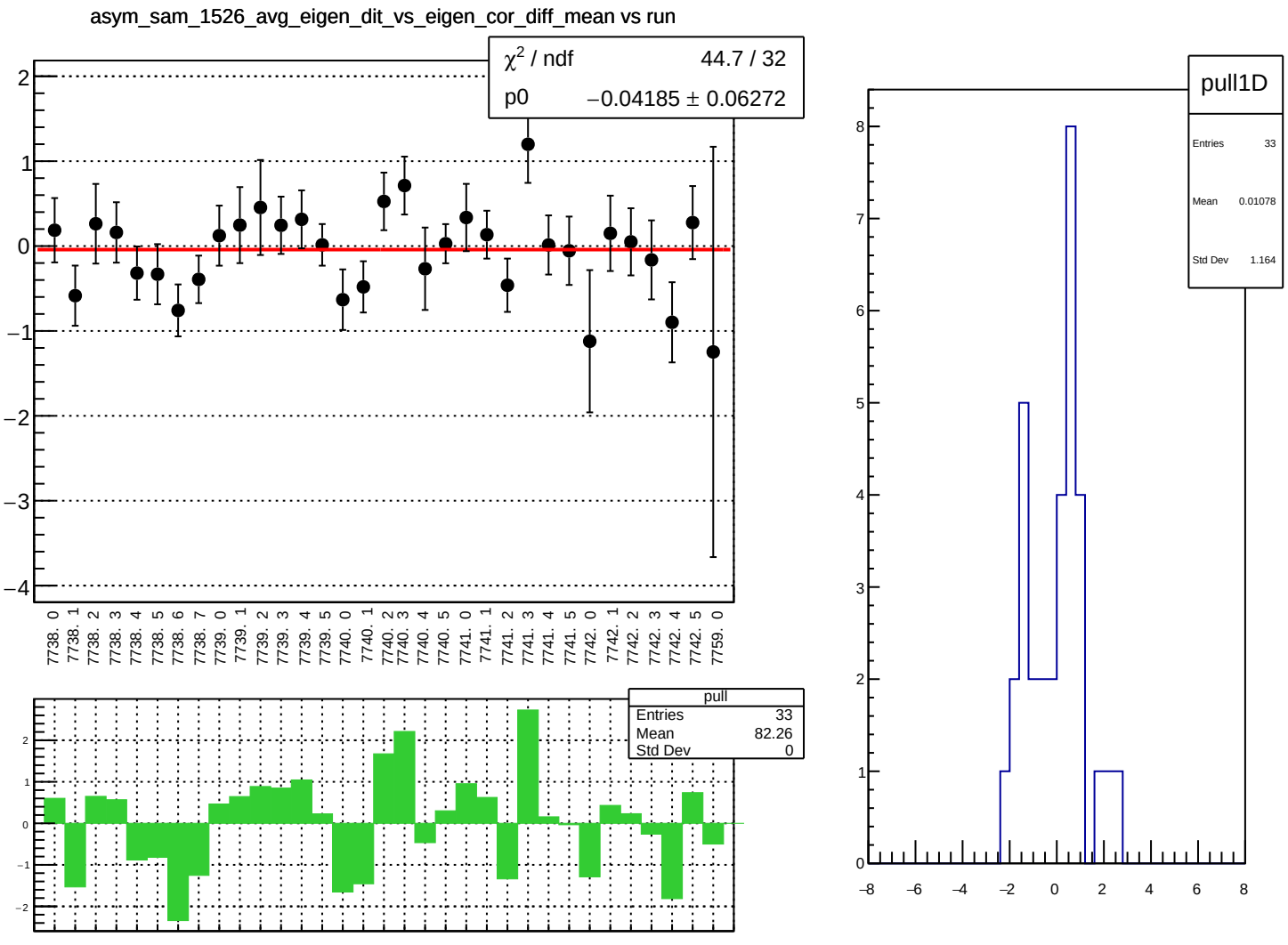

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 18.66 / 32
p0 −3.226e−07 ± 2.355e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 66.04
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

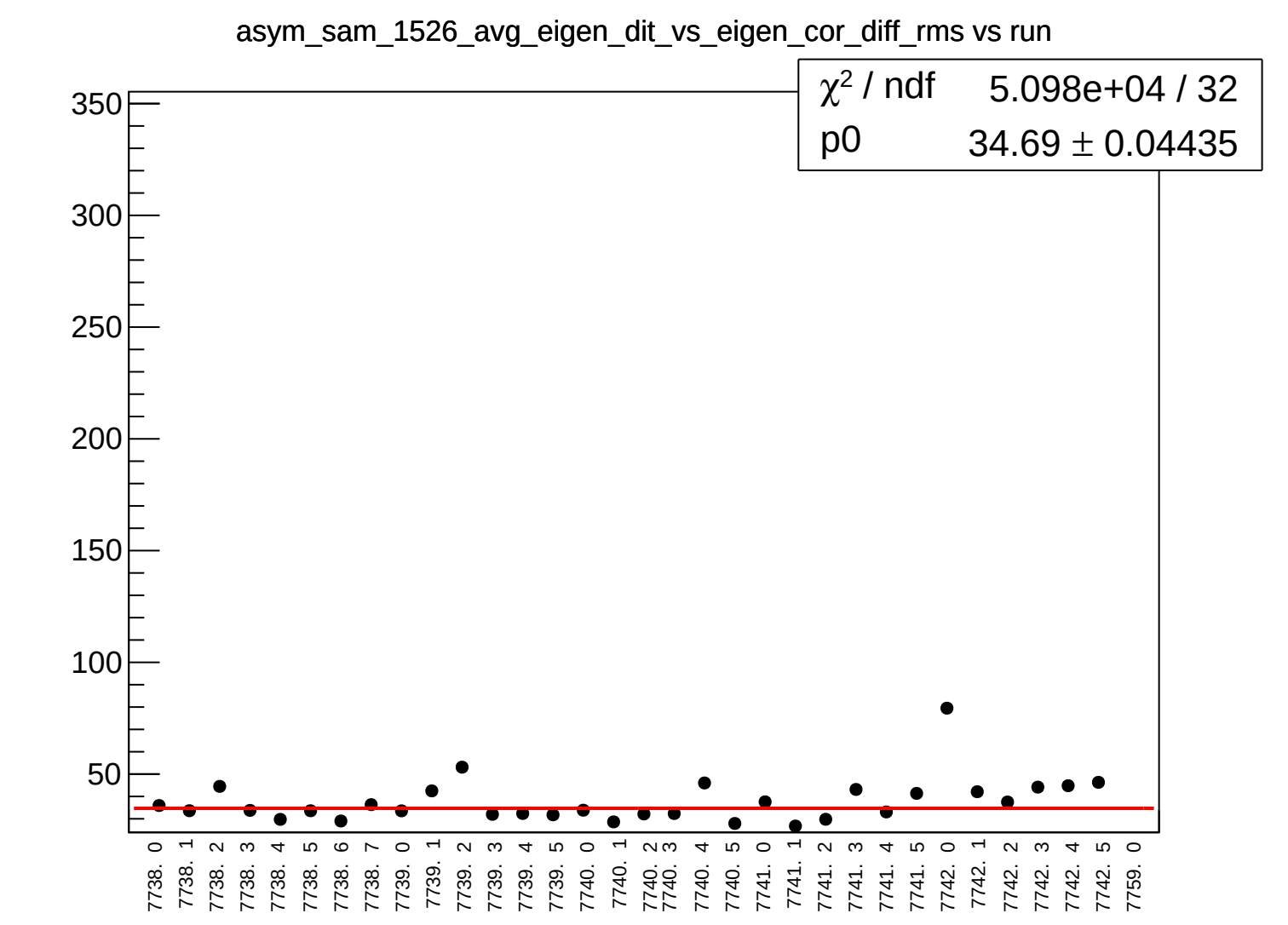

pull1D
Entries 33
Mean 0.03961
Std Dev 0.751
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

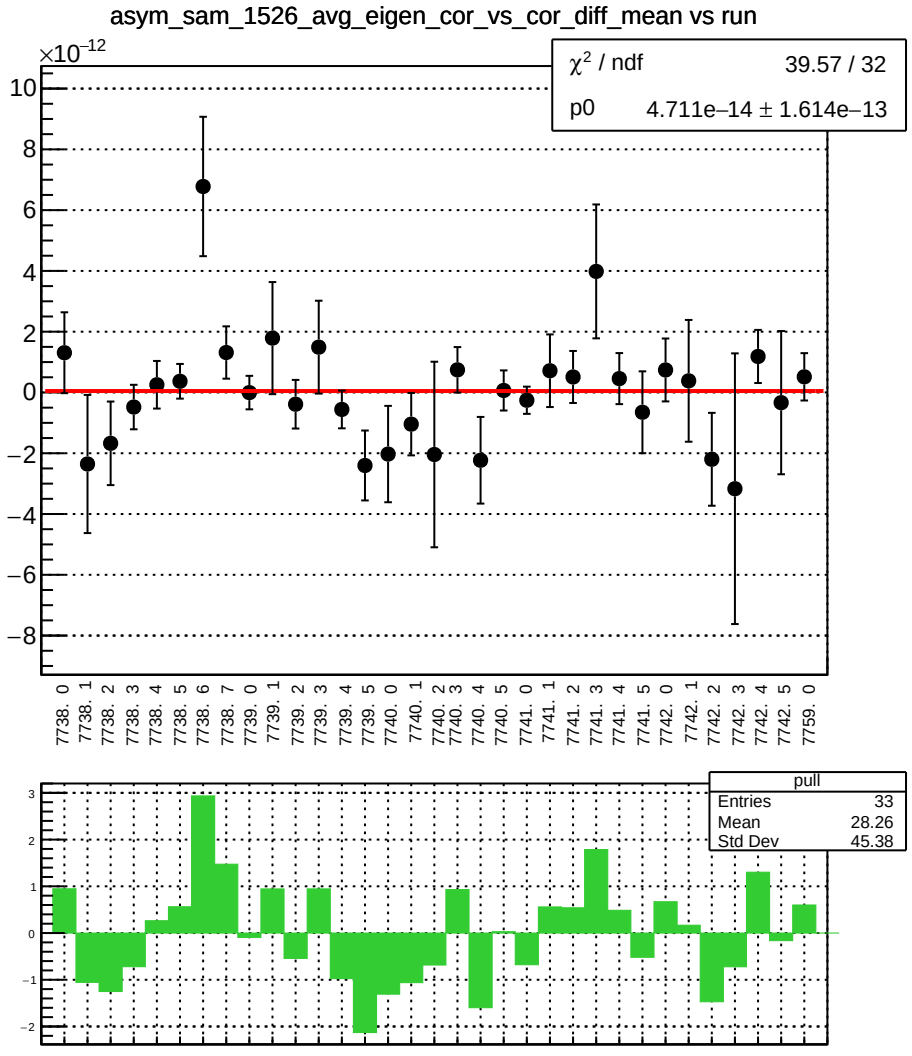

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.011e+04 / 32
p0 0.001303 ± 1.665e−06
0.0025
0.002
0.0015
0.001
0.0005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

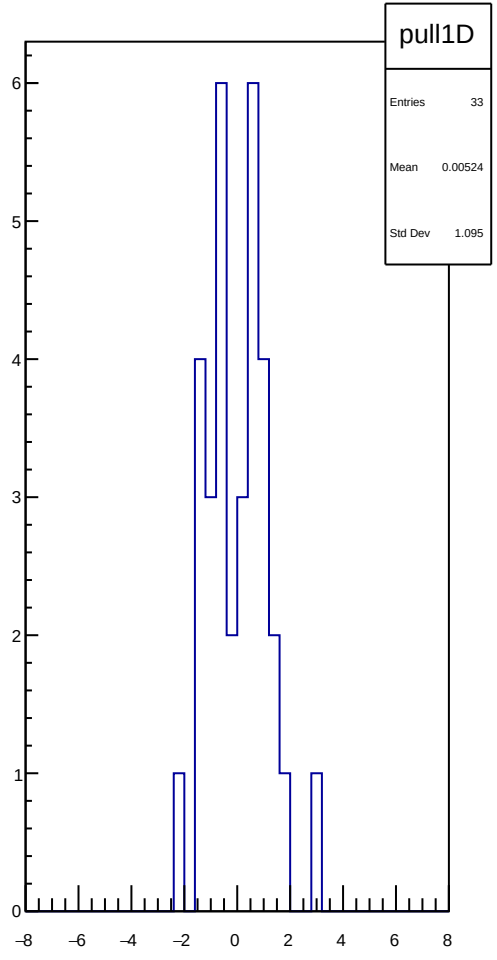

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.7 / 32
p0 −0.04185 ± 0.06272
pull
Entries 33
Mean 82.26
Std Dev 0
pull1D
Entries 33
Mean 0.01078
Std Dev 1.164

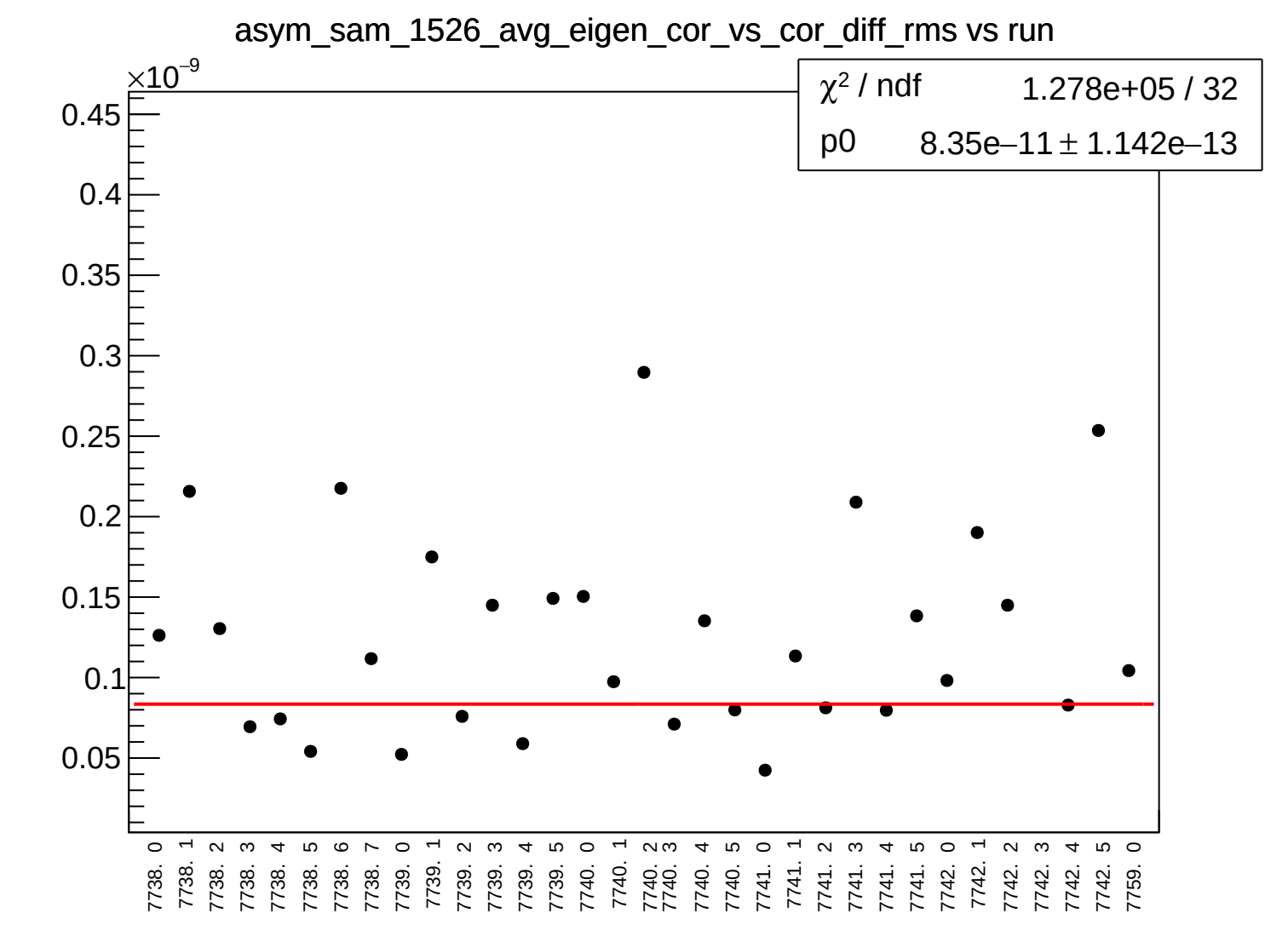

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.098e+04 / 32
p0 34.69 ± 0.04435
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

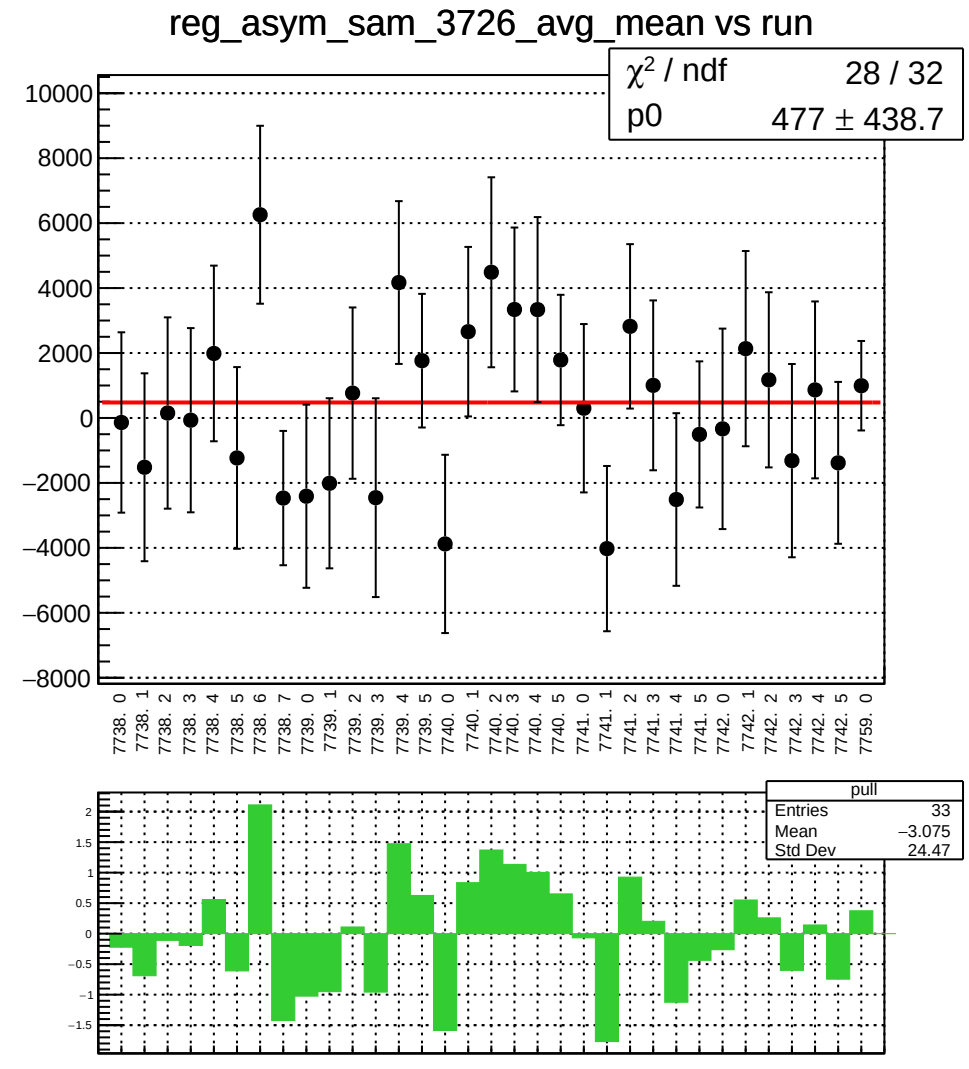

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.7 / 32
p0 −0.04185 ± 0.06272
pull
Entries 33
Mean 82.26
Std Dev 0
pull1D
Entries 33
Mean 0.01078
Std Dev 1.164

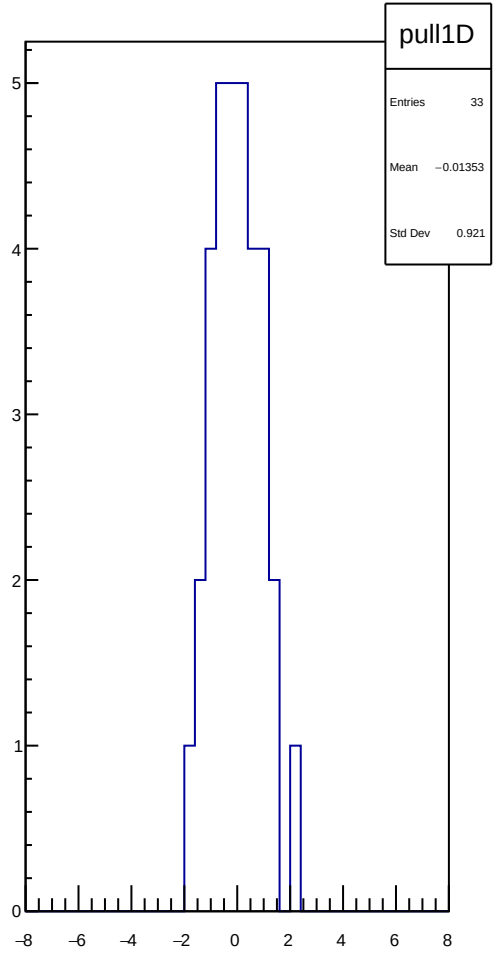

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.098e+04 / 32
p0 34.69 ± 0.04435
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

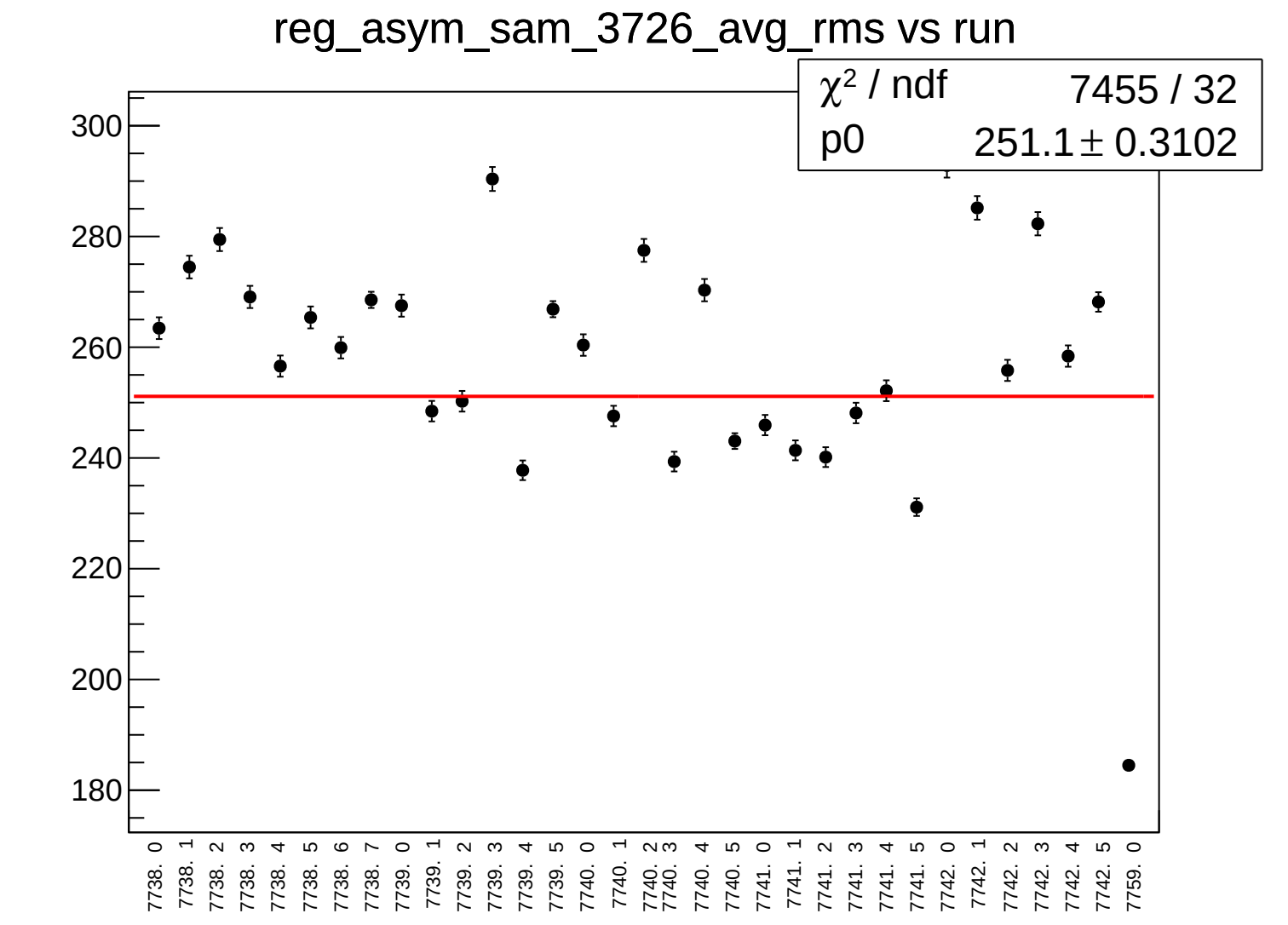

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.57 / 32
p0 4.711e−14 ± 1.614e−13
pull
Entries 33
Mean 28.26
Std Dev 45.38

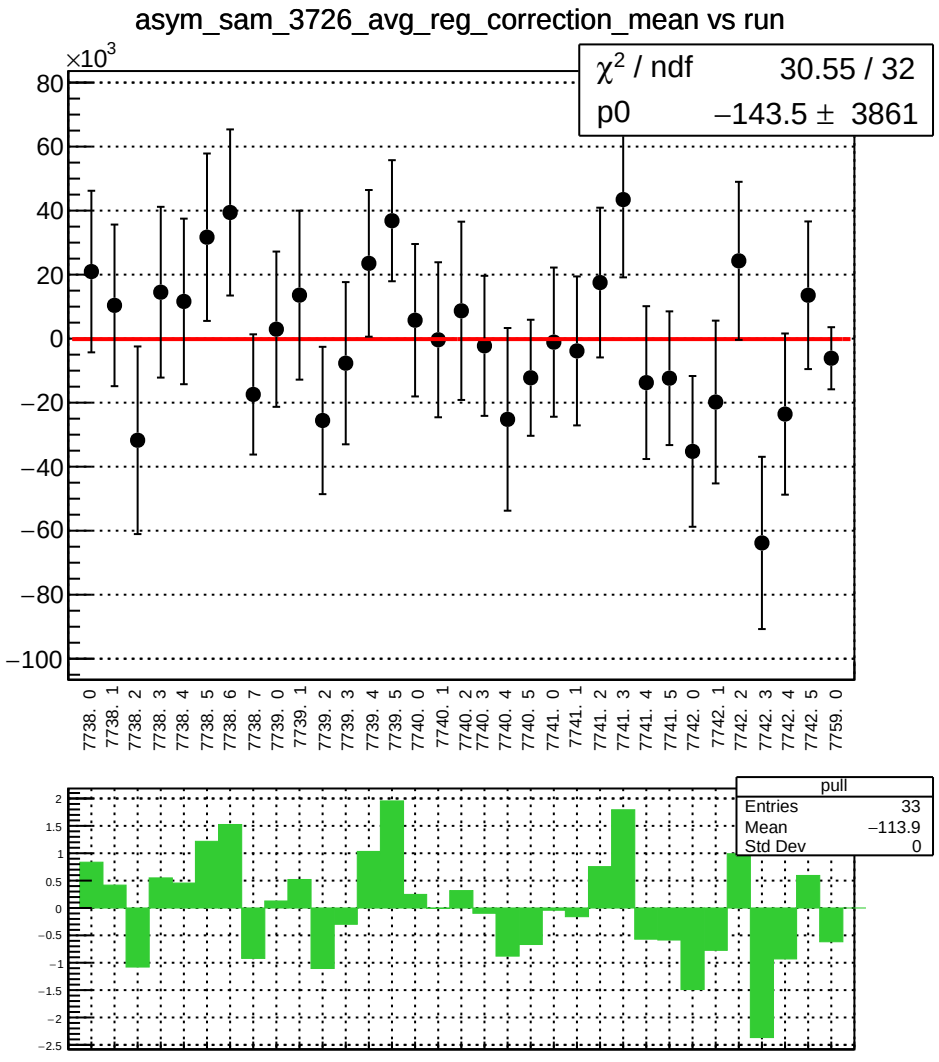

pull1D
Entries 33
Mean 0.00524
Std Dev 1.095

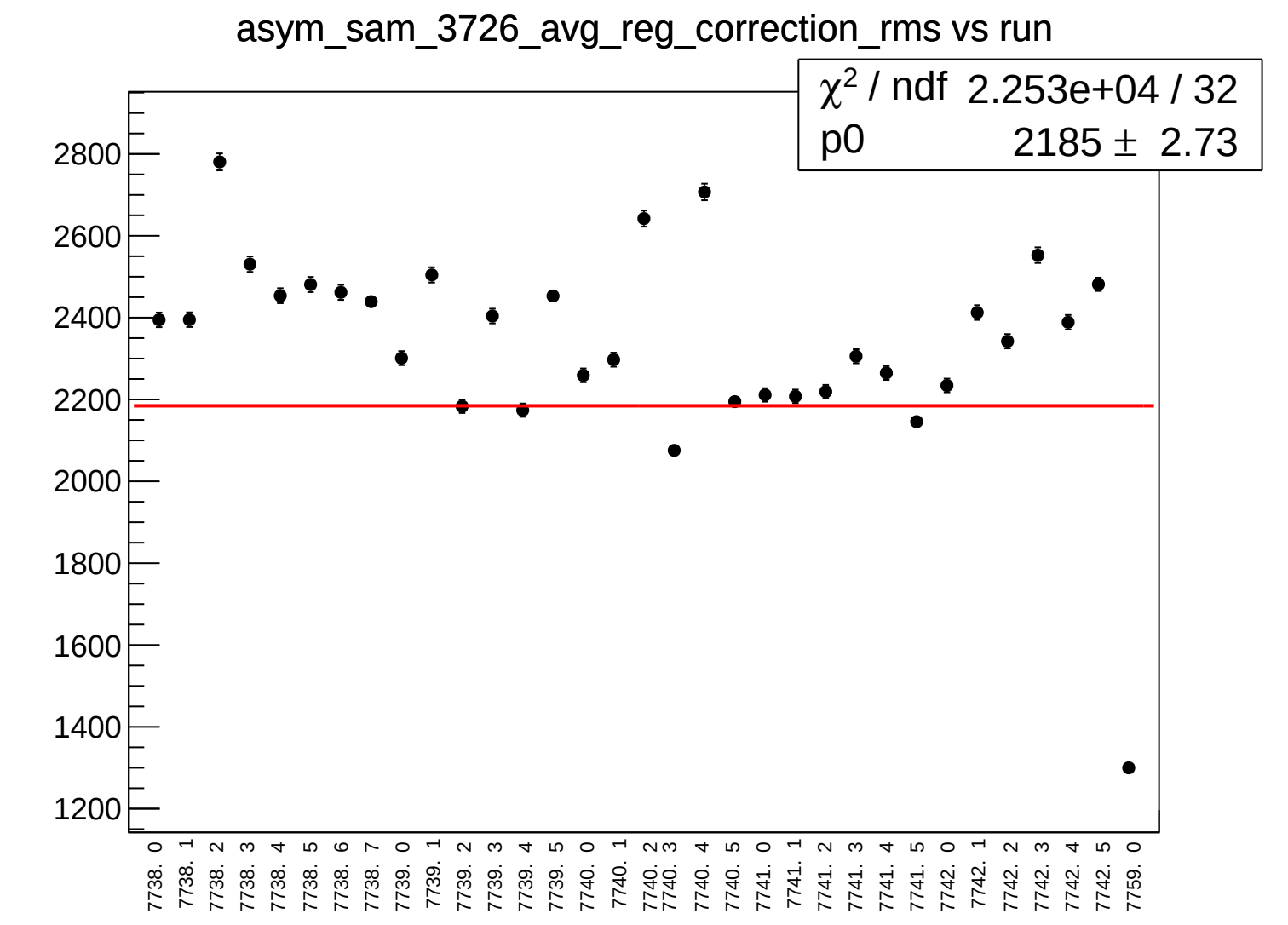

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.278e+05 / 32
p0 8.35e−11 ± 1.142e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

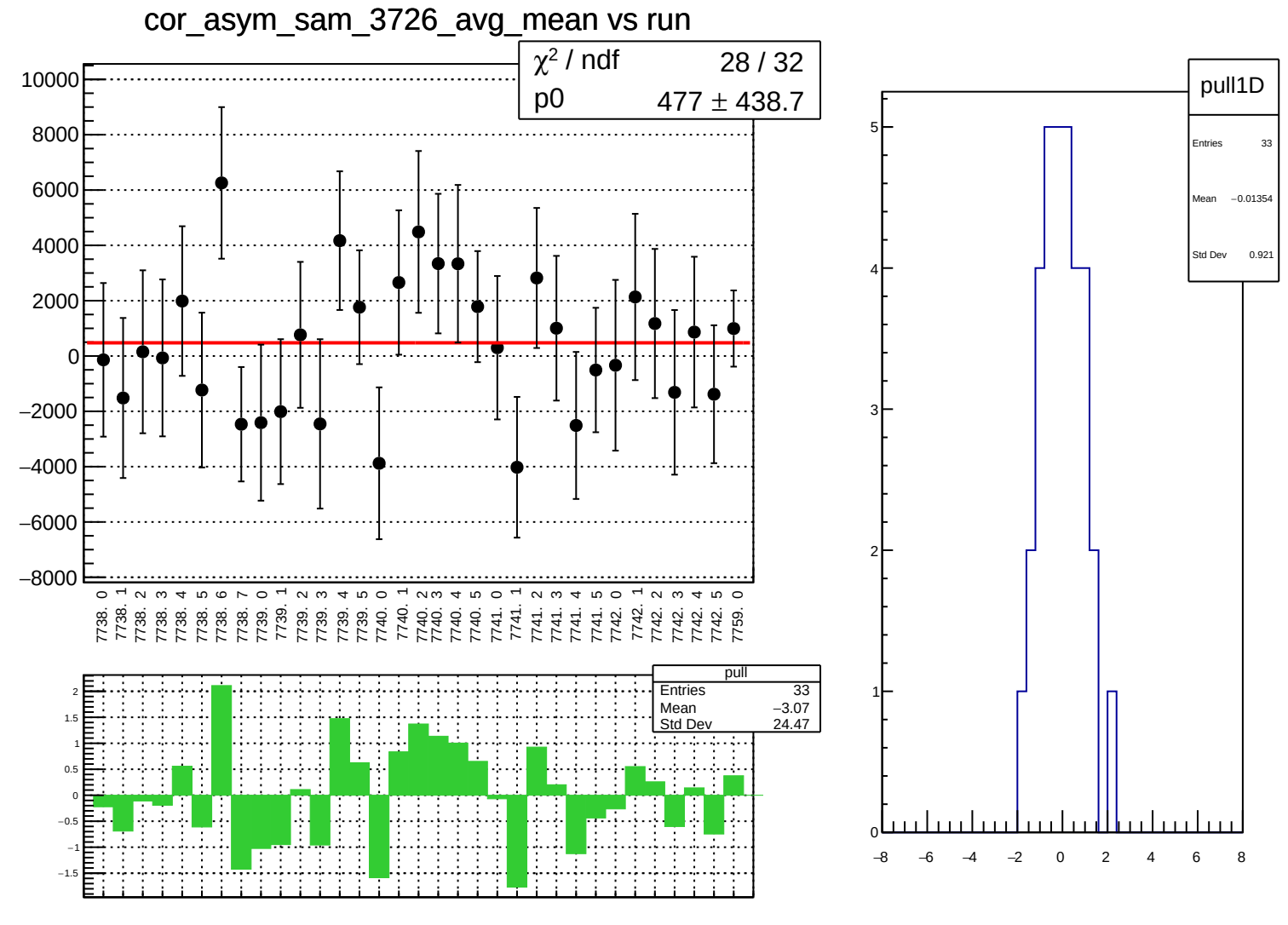

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 28 / 32
p0 477 ± 438.7
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.075
Std Dev 24.47
2
1.5
1
0.5
0
−0.5
−1
−1.5

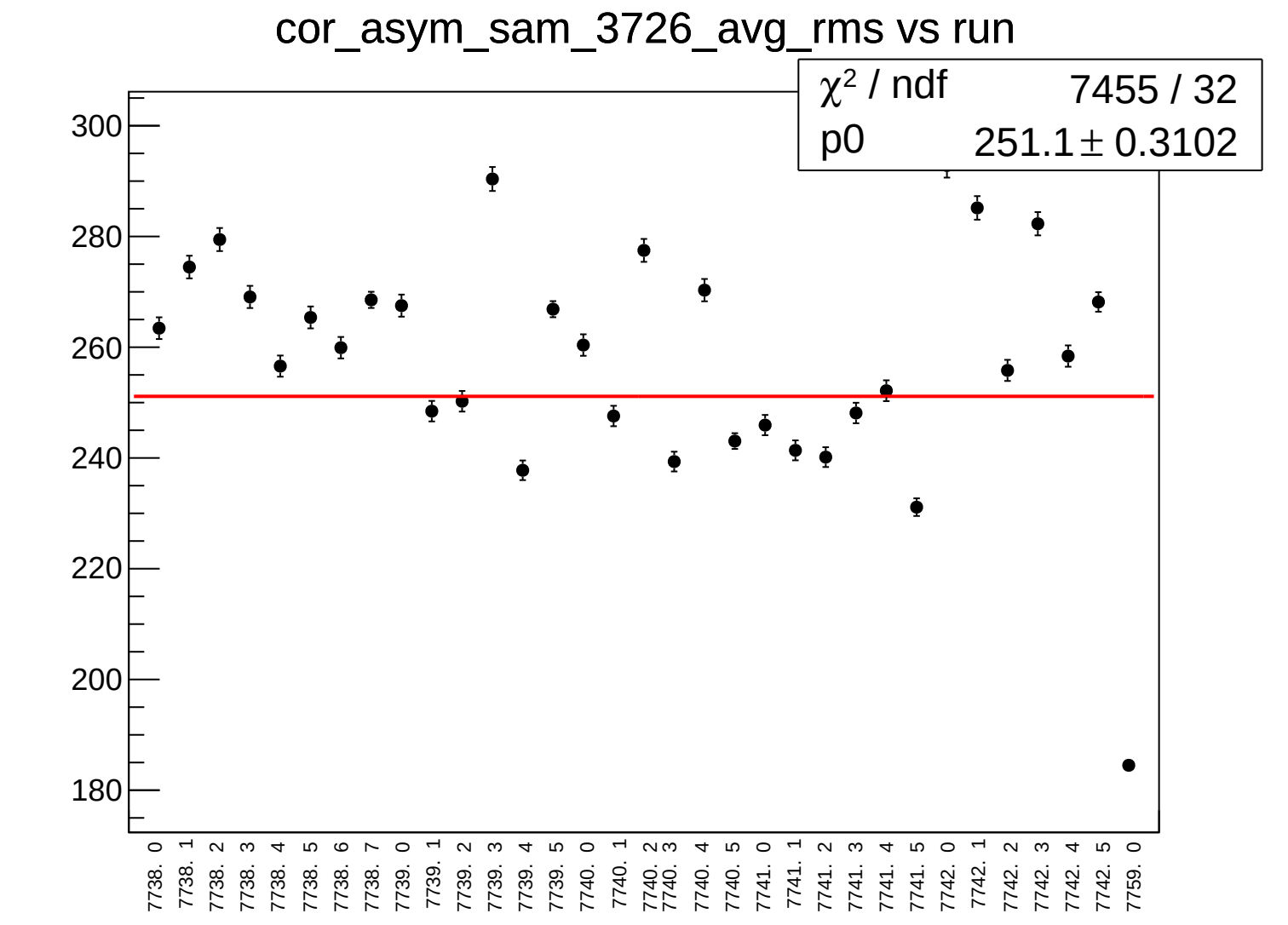

pull1D
Entries 33
Mean −0.01353
Std Dev 0.921
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

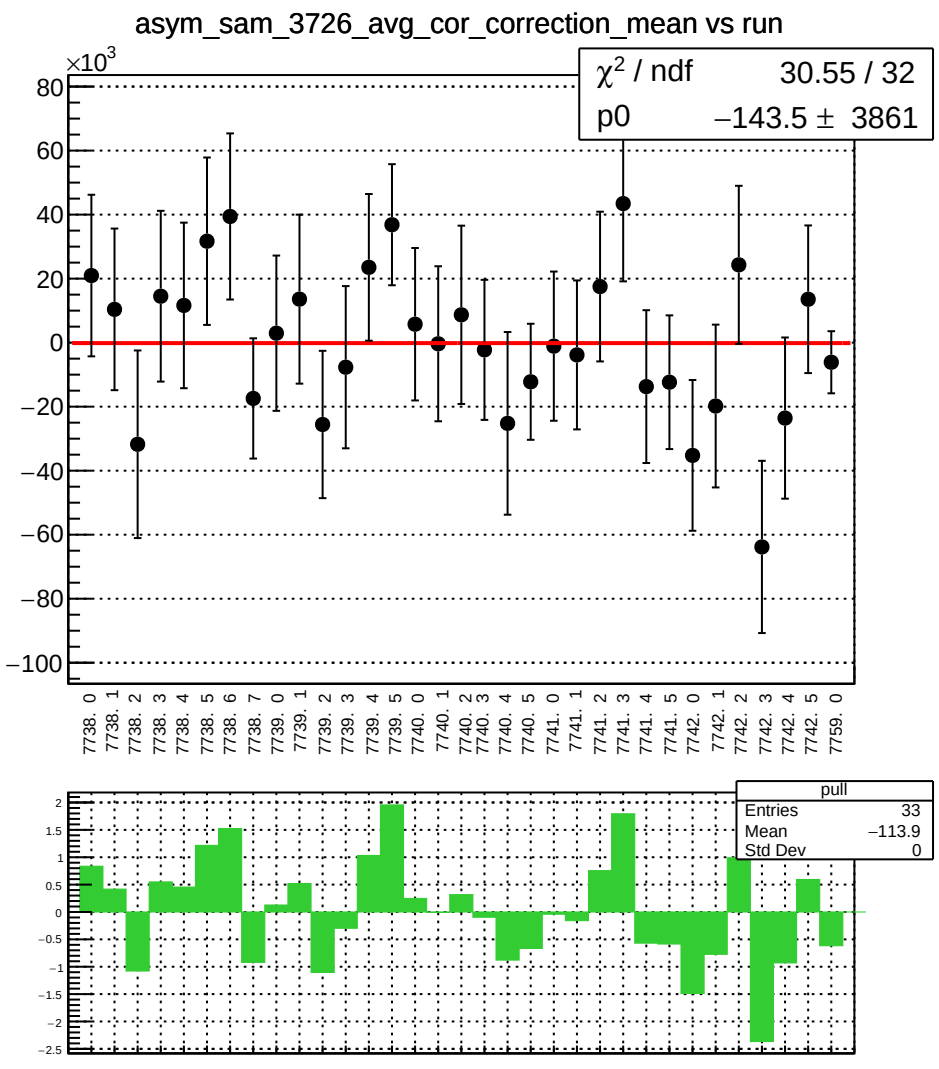

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 7455 / 32
p0 251.1 ± 0.3102
300
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

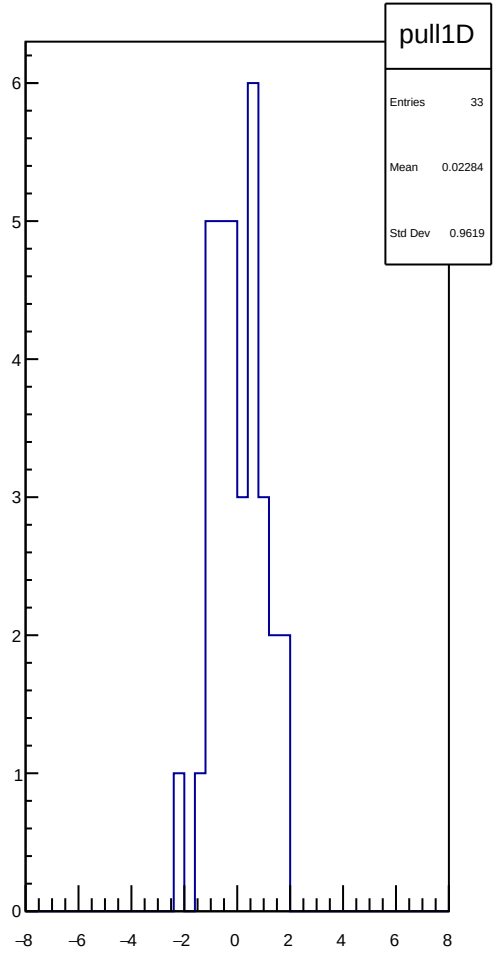

asym_sam_3726_avg_reg_correction_mean vs run
×10^3
χ² / ndf 30.55 / 32
p0 −143.5 ± 3861
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.02285
Std Dev 0.9619
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

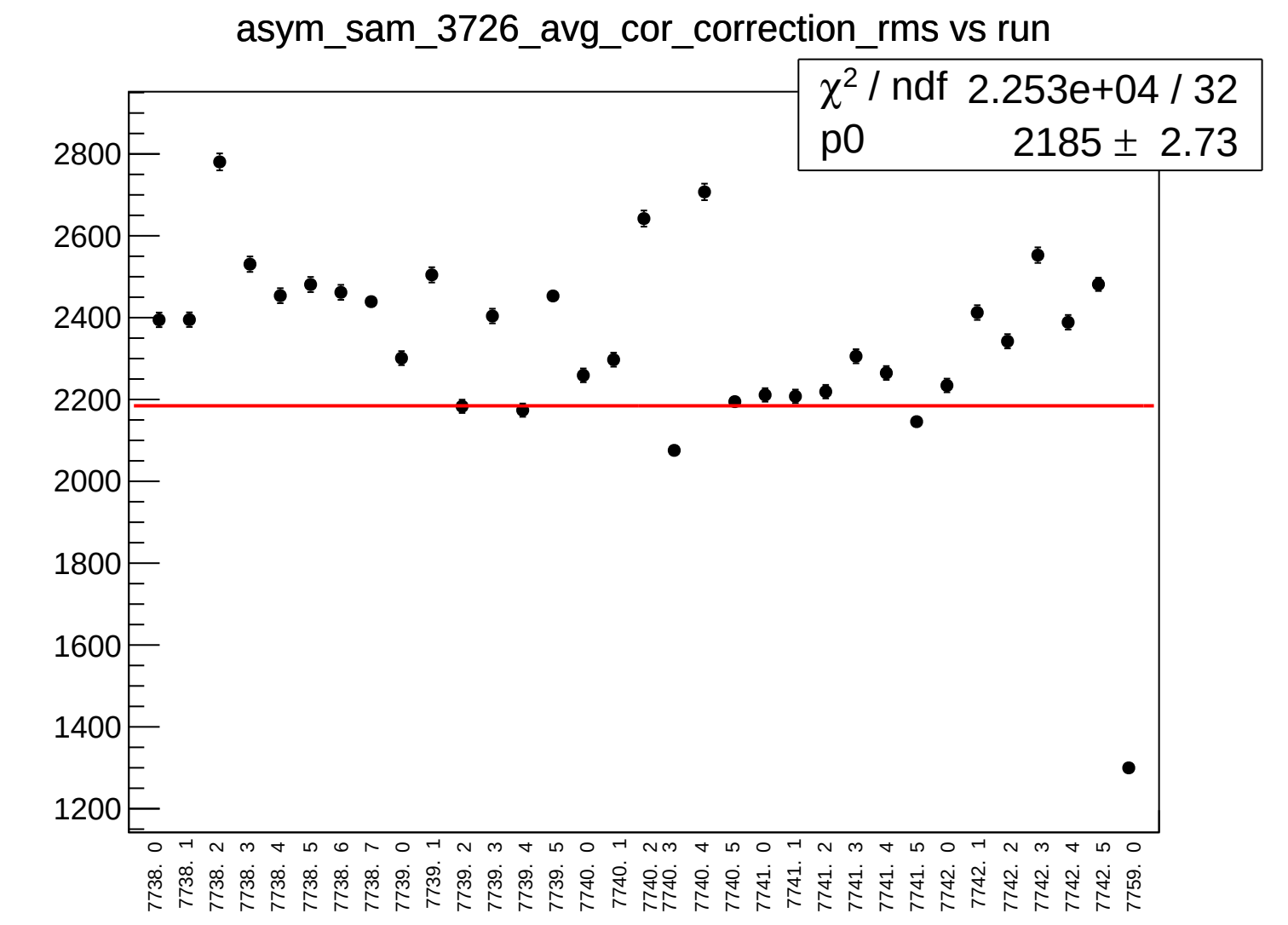

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 2.253e+04 / 32
p0 2185 ± 2.73
2800
2600
2400
2200
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

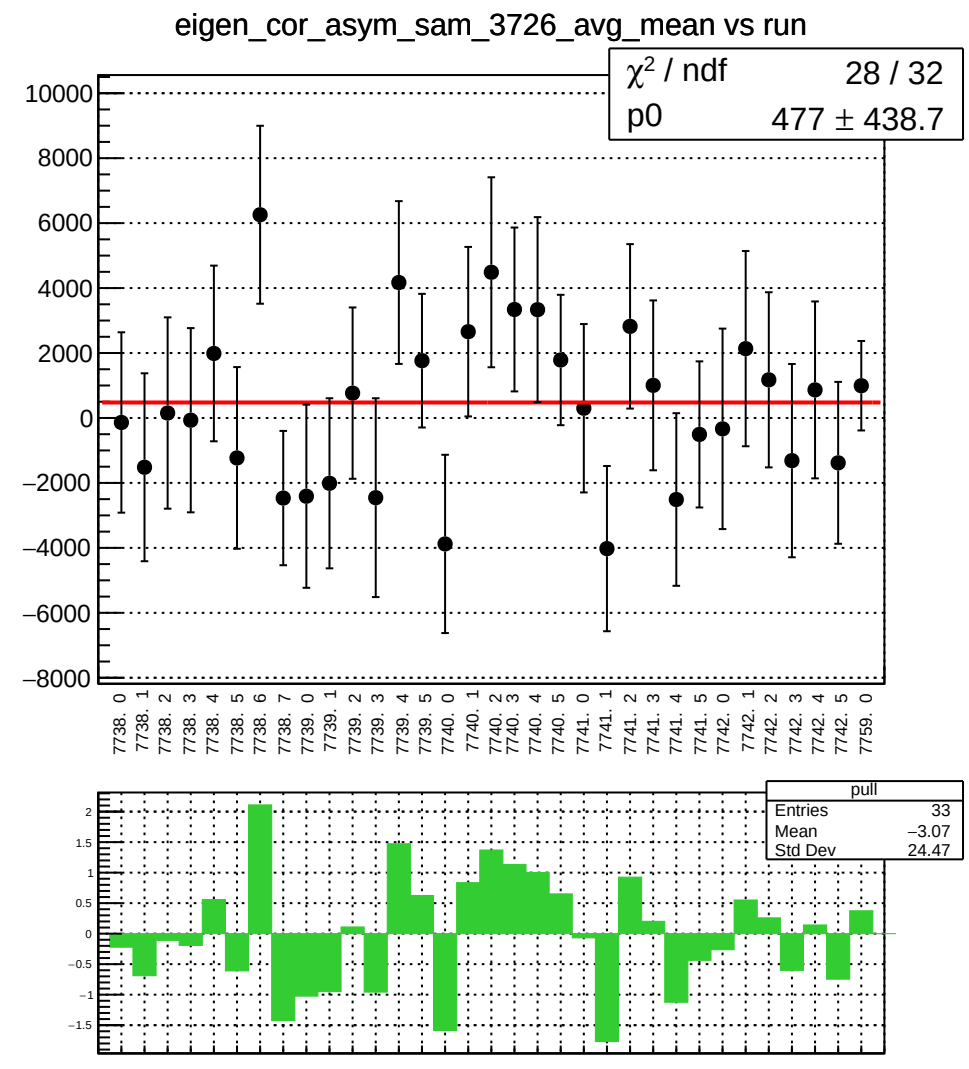

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 28 / 32
p0 477 ± 438.7
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.07
Std Dev 24.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01354
Std Dev 0.921
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

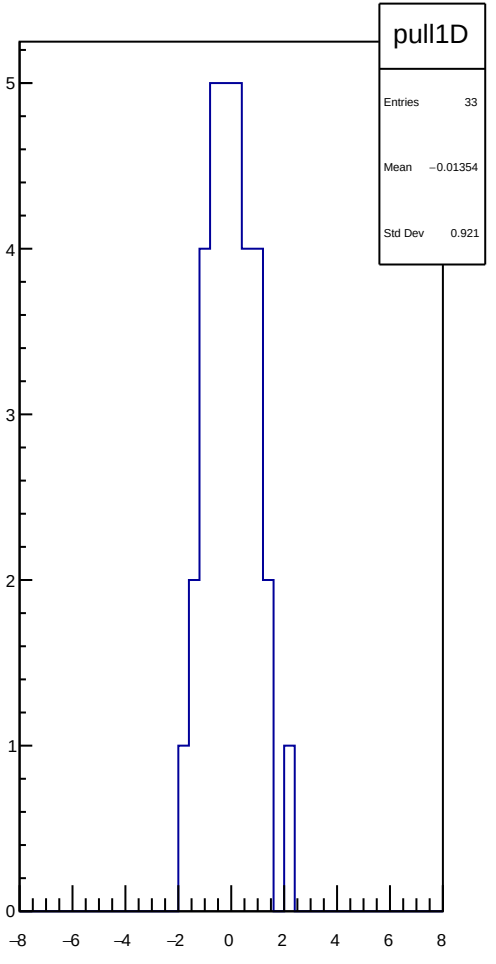

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 7455 / 32
p0 251.1 ± 0.3102
300
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

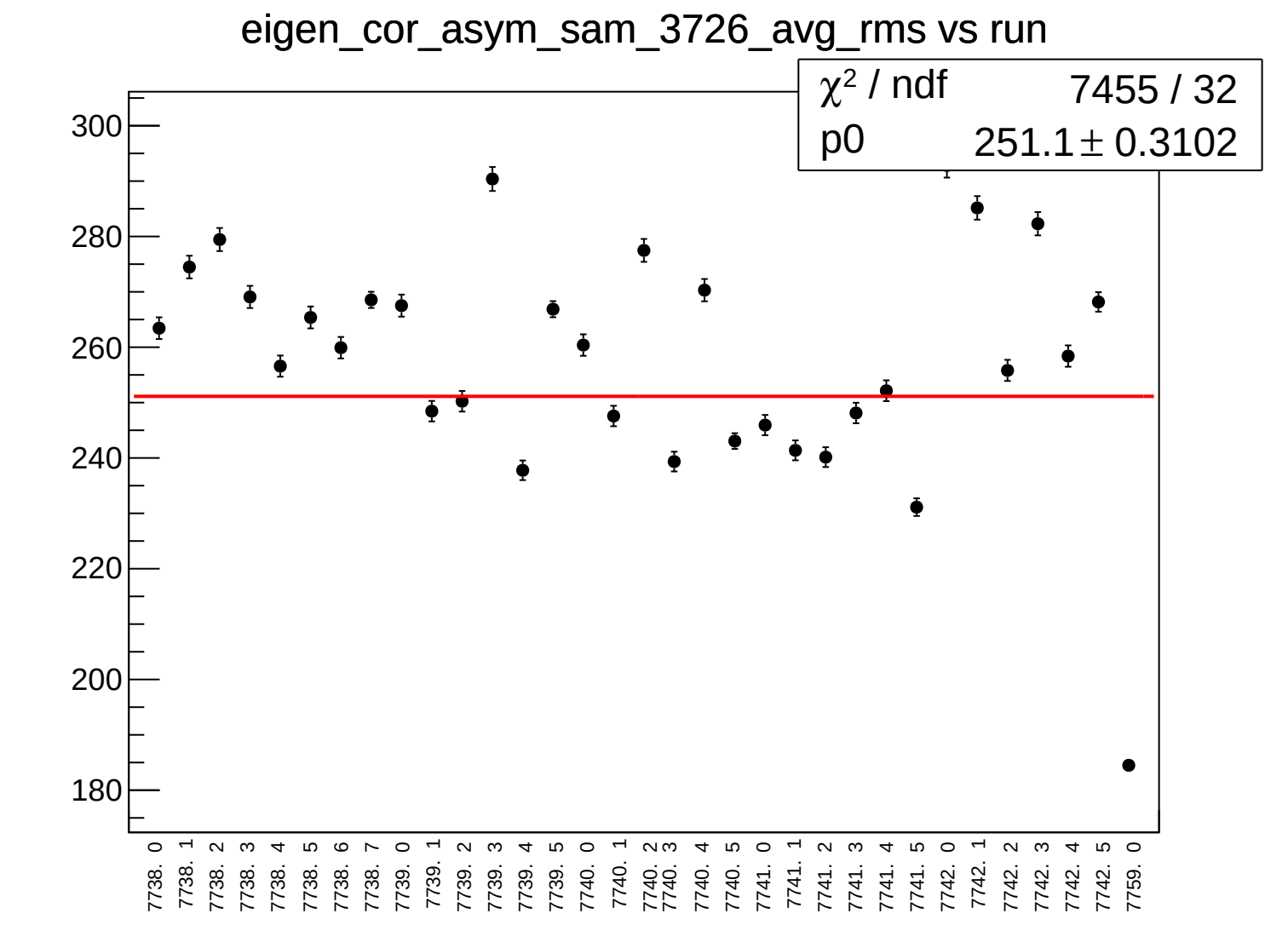

asym_sam_3726_avg_cor_correction_mean vs run
×10^3
χ² / ndf 30.55 / 32
p0 −143.5 ± 3861
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

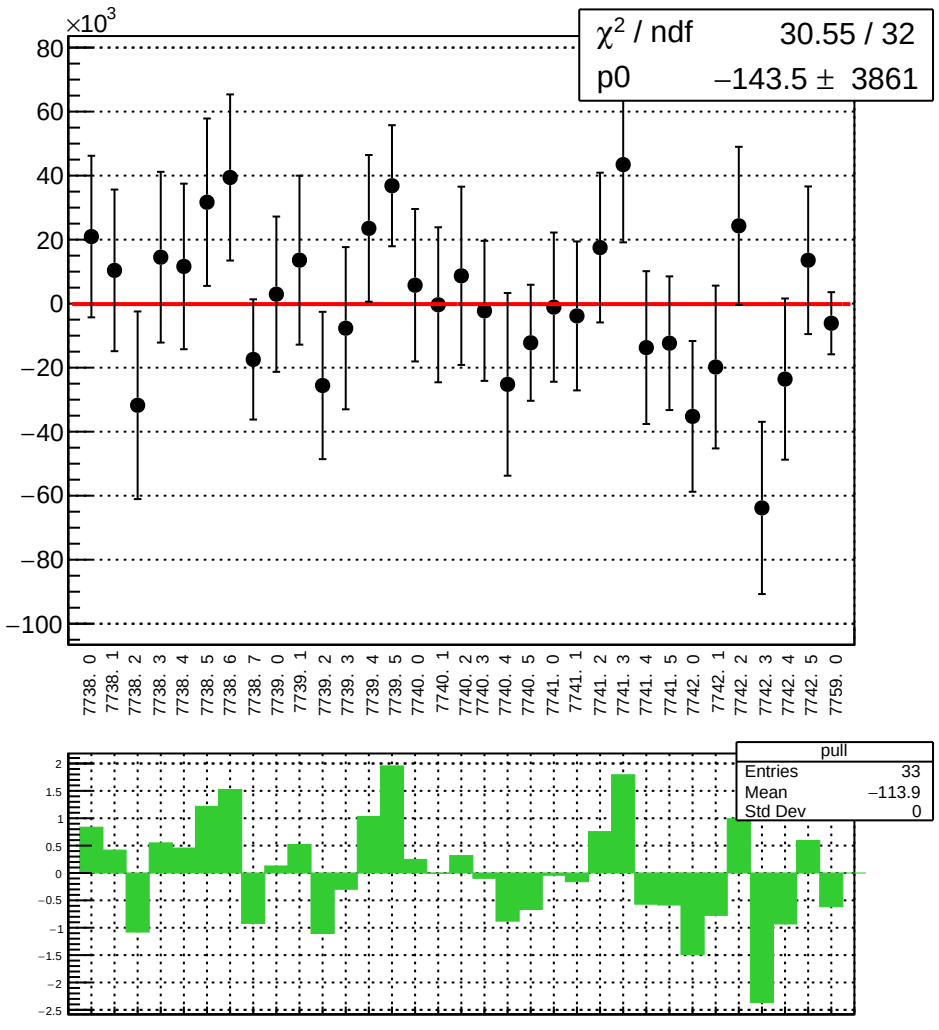

pull1D
Entries 33
Mean 0.02284
Std Dev 0.9619
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

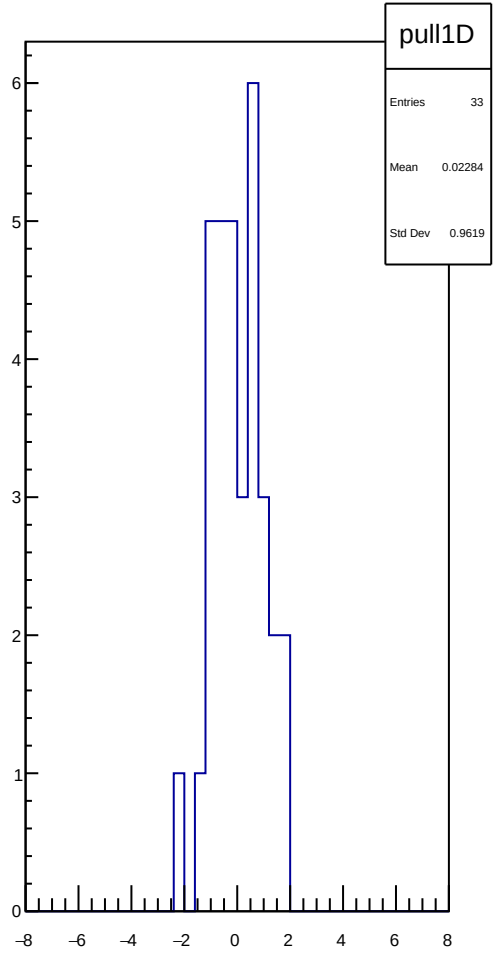

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 2.253e+04 / 32
p0 2185 ± 2.73
2800
2600
2400
2200
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

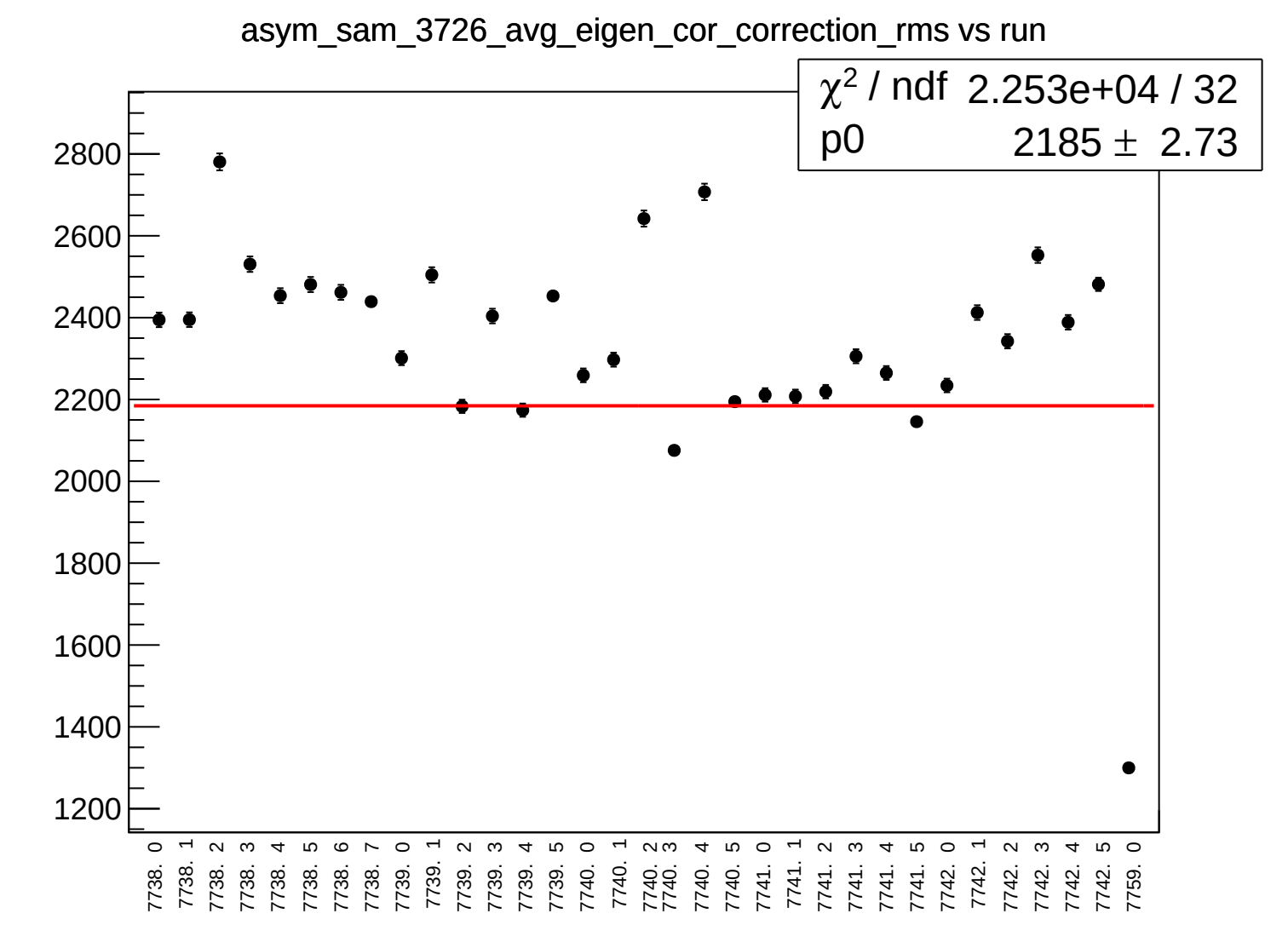

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 28 / 32
p0 477 ± 438.7
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.07
Std Dev 24.47
2
1.5
1
0.5
0
−0.5
−1
−1.5

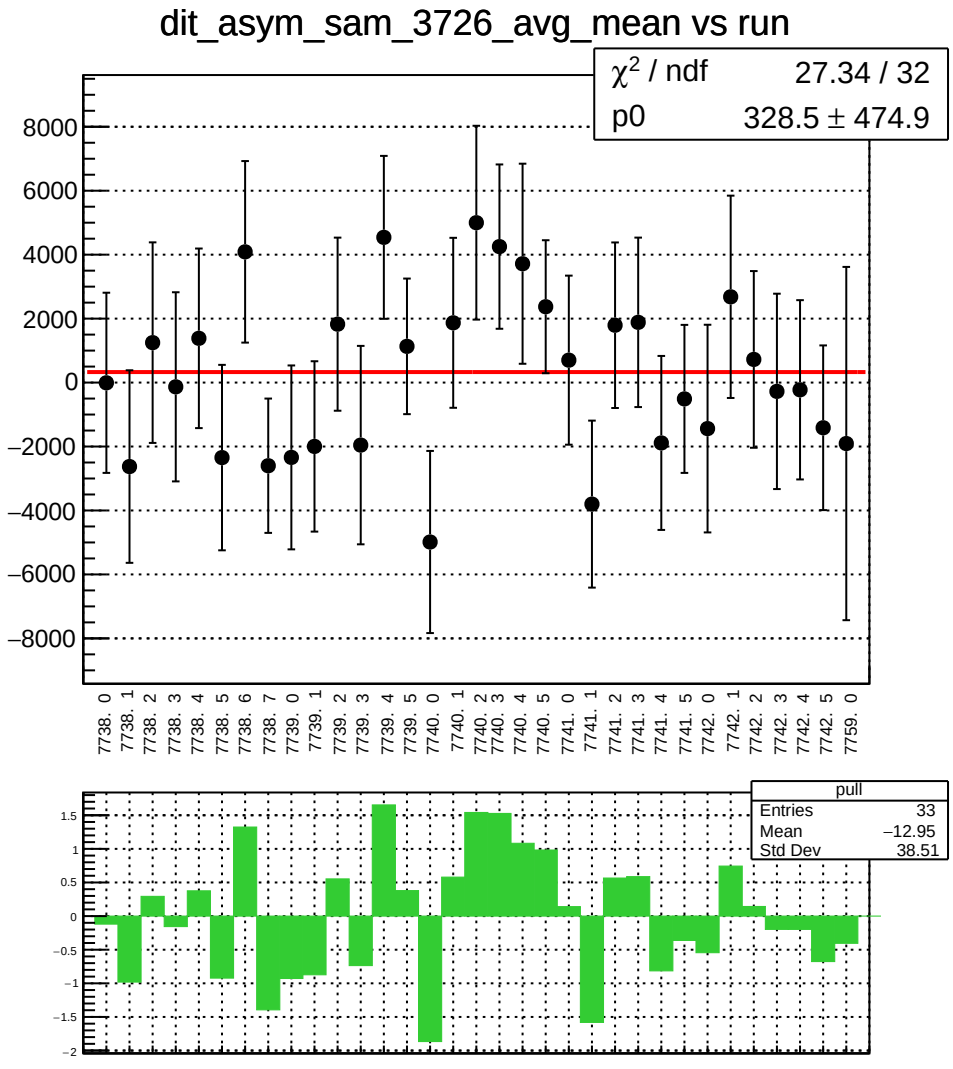

pull1D
Entries 33
Mean −0.01354
Std Dev 0.921
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

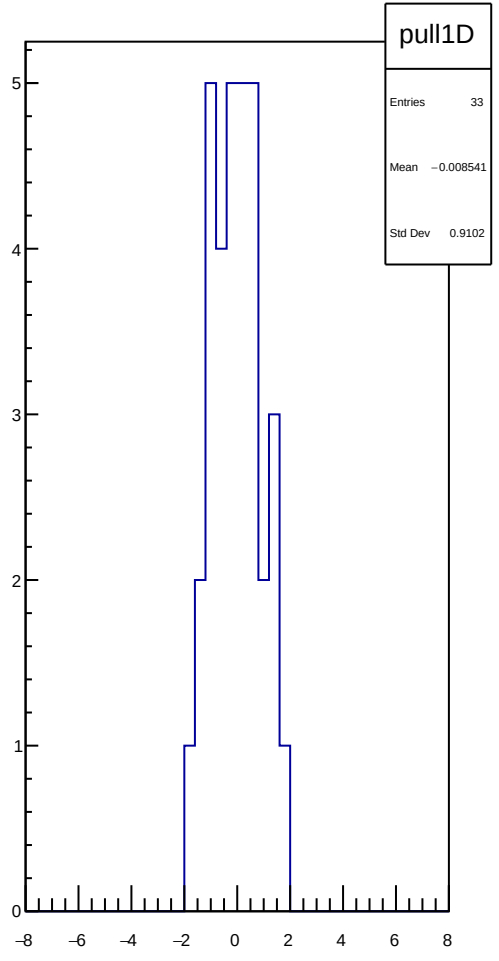

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 7455 / 32
p0 251.1 ± 0.3102
300
280
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

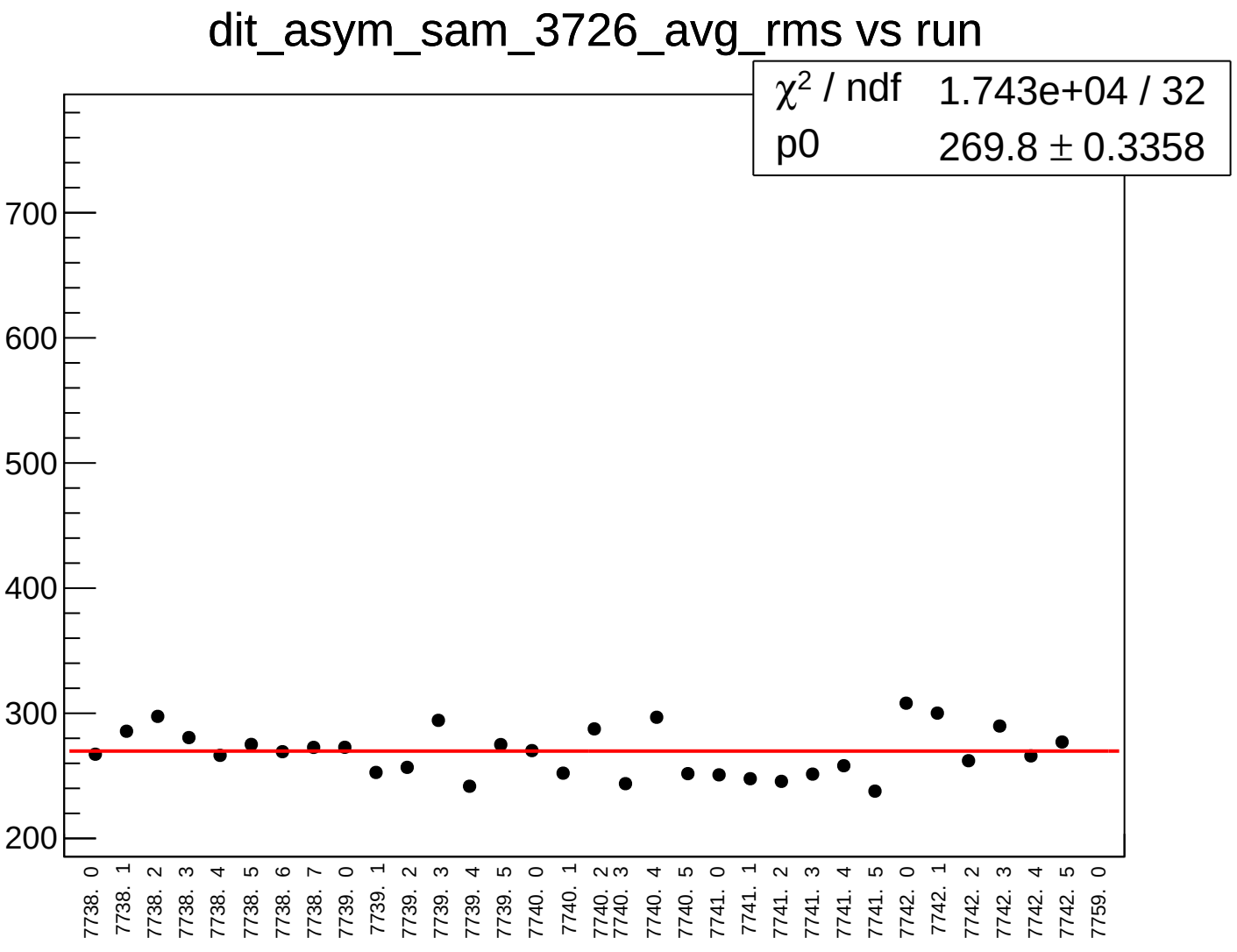

asym_sam_3726_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.55 / 32
p0 −143.5 ± 3861
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

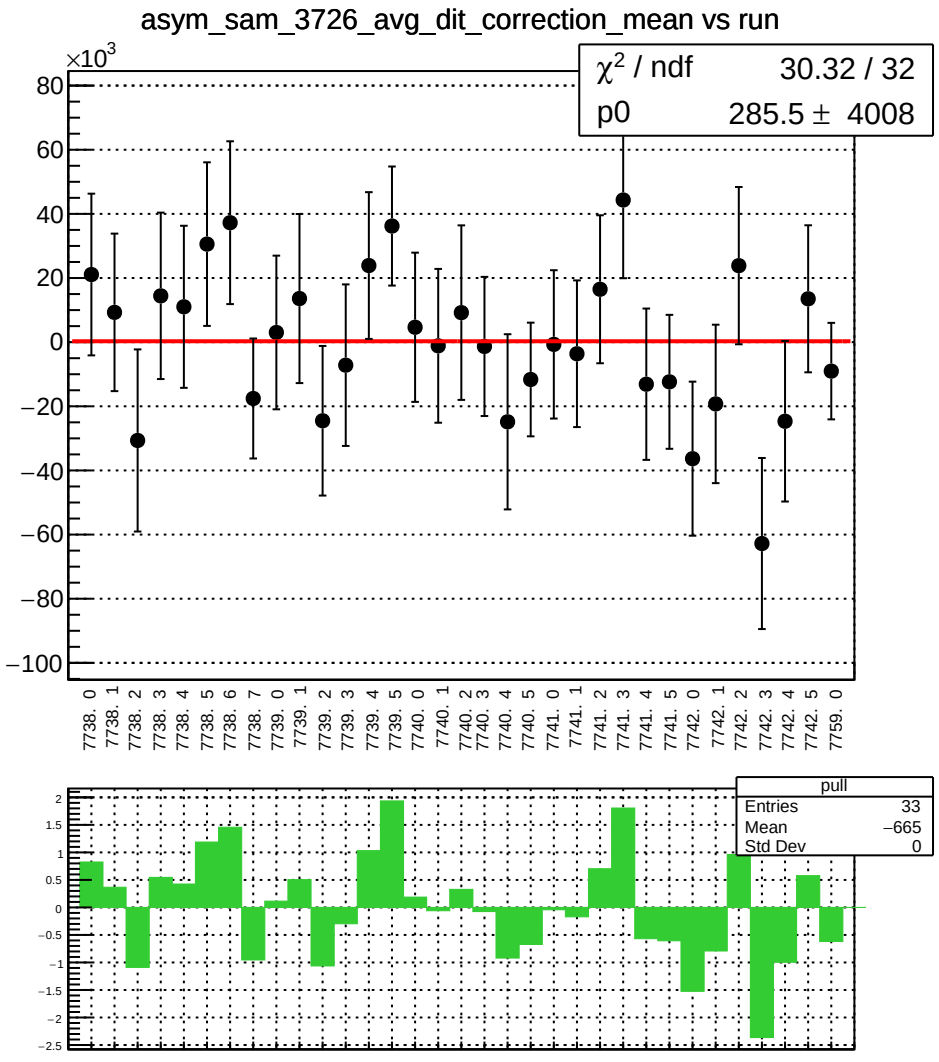

pull1D
Entries 33
Mean 0.02284
Std Dev 0.9619
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

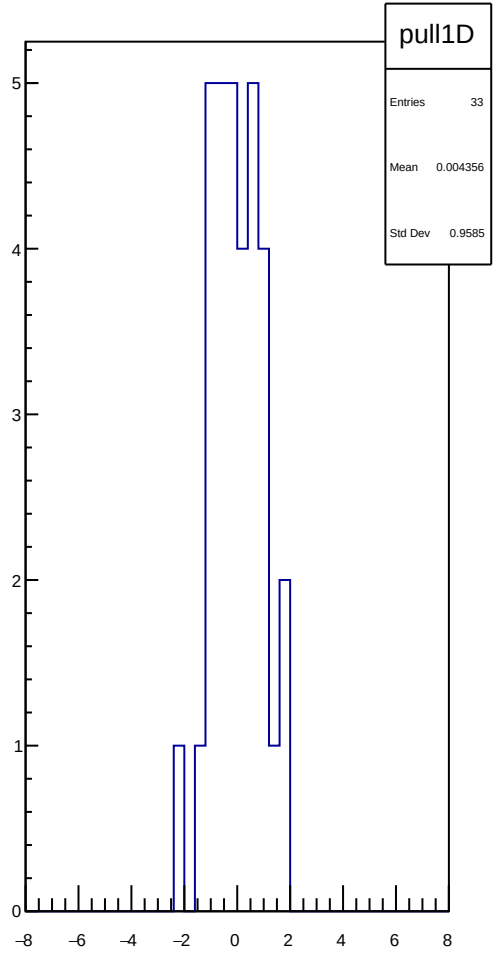

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.253e+04 / 32
p0 2185 ± 2.73
2800
2600
2400
2200
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

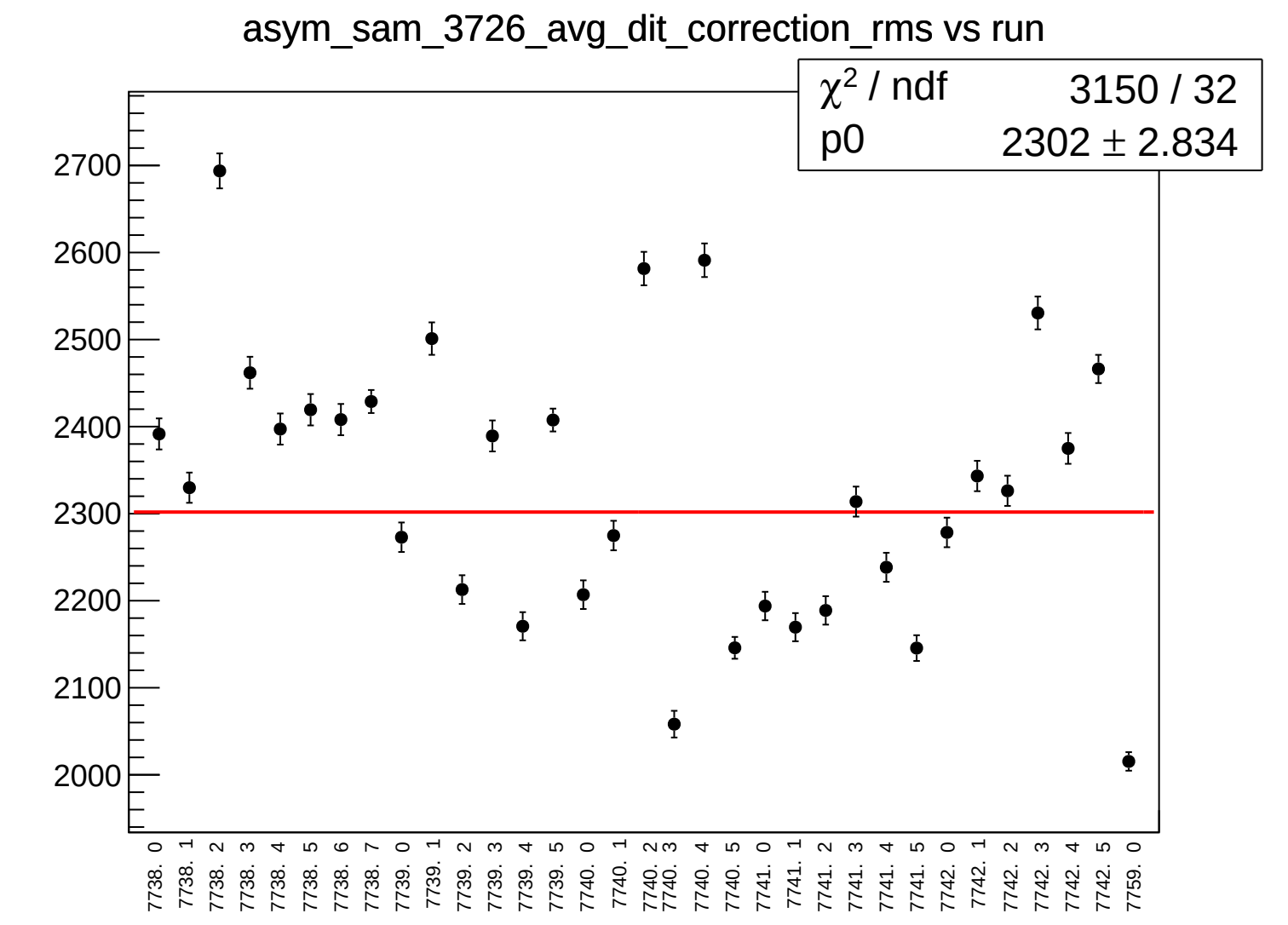

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 27.34 / 32
p0 328.5 ± 474.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.95
Std Dev 38.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2

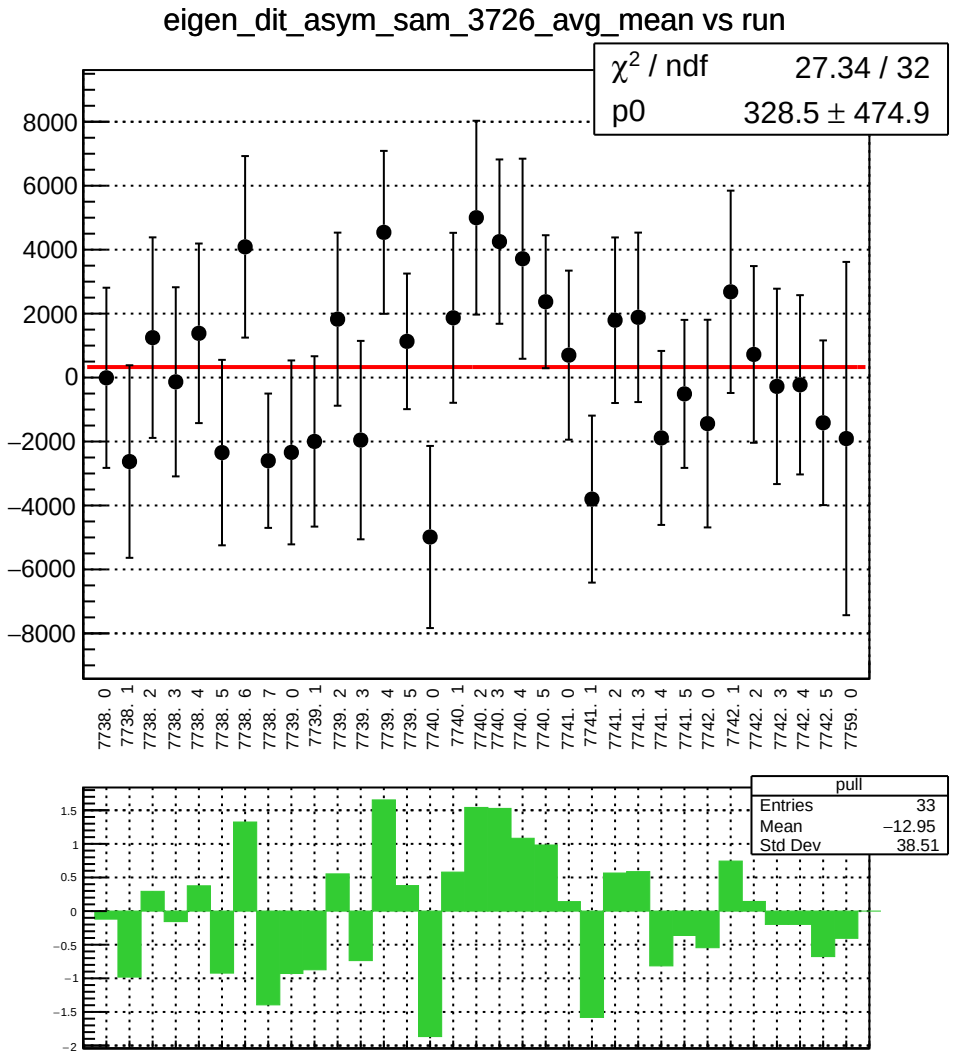

pull1D
Entries 33
Mean −0.008541
Std Dev 0.9102
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

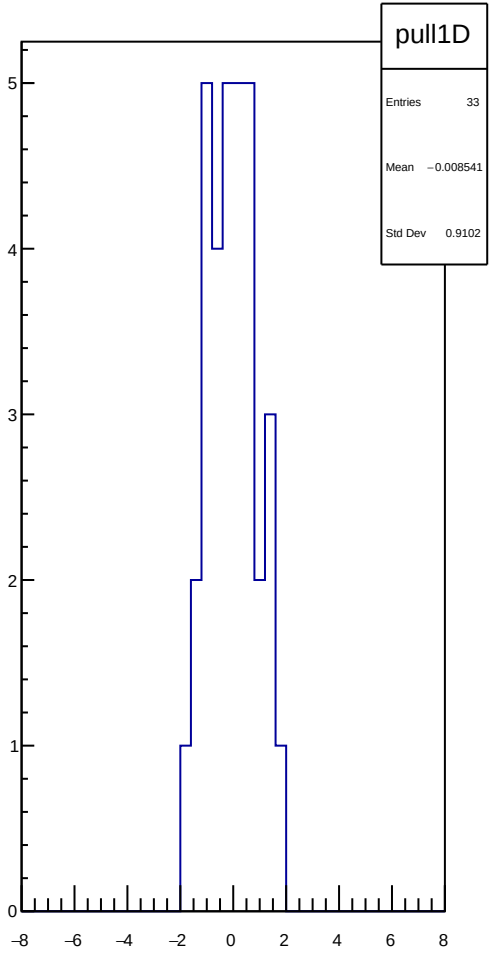

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.743e+04 / 32
p0 269.8 ± 0.3358
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

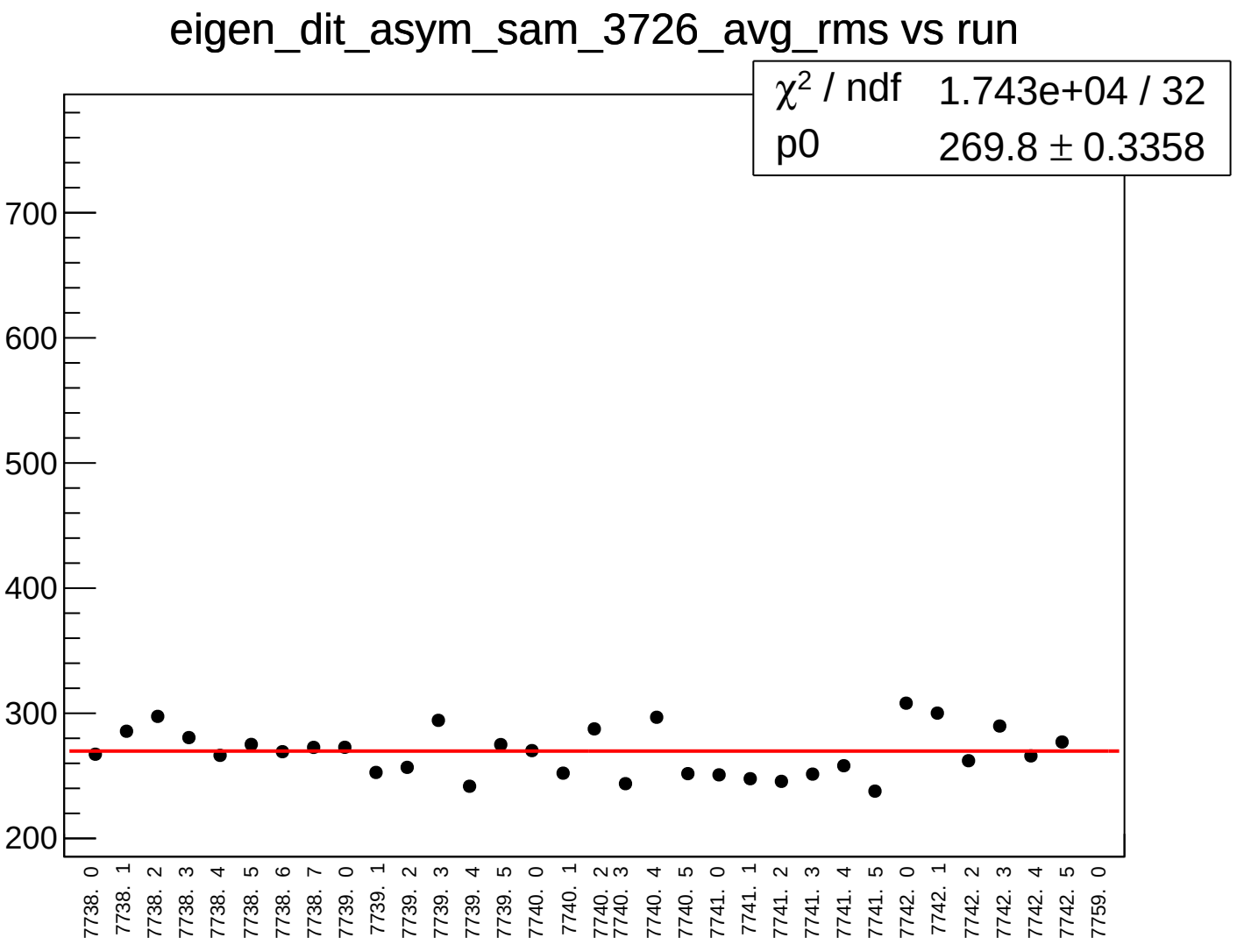

asym_sam_3726_avg_dit_correction_mean vs run
×10^3
χ² / ndf 30.32 / 32
p0 285.5 ± 4008
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −665
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

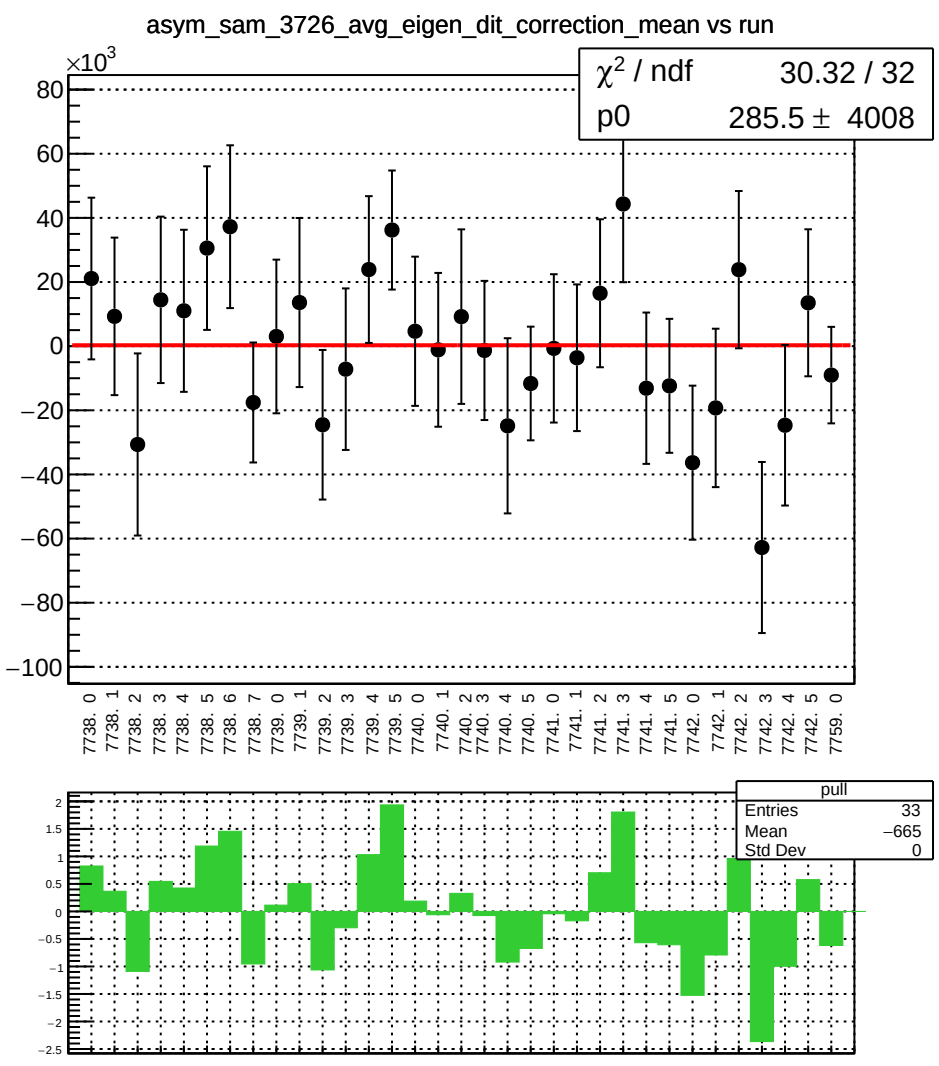

pull1D
Entries 33
Mean 0.004356
Std Dev 0.9585
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

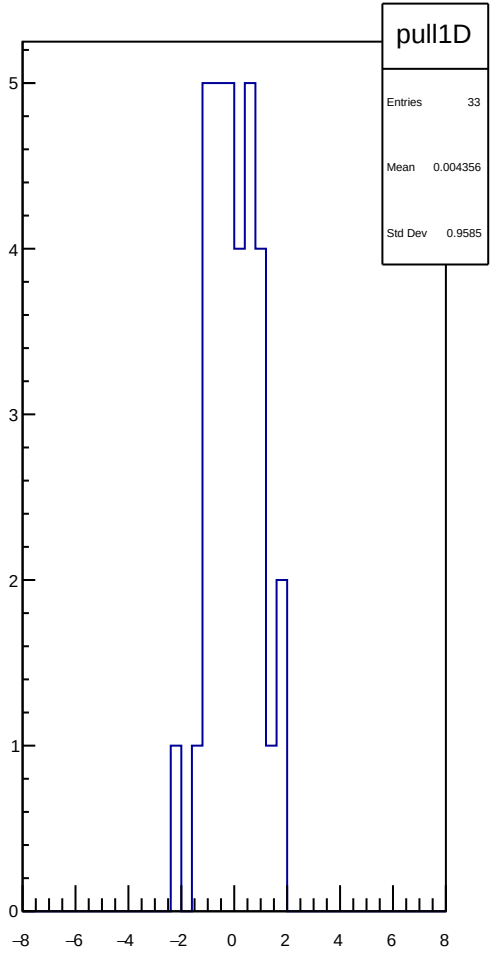

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 3150 / 32
p0 2302 ± 2.834
2700
2600
2500
2400
2300
2200
2100
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

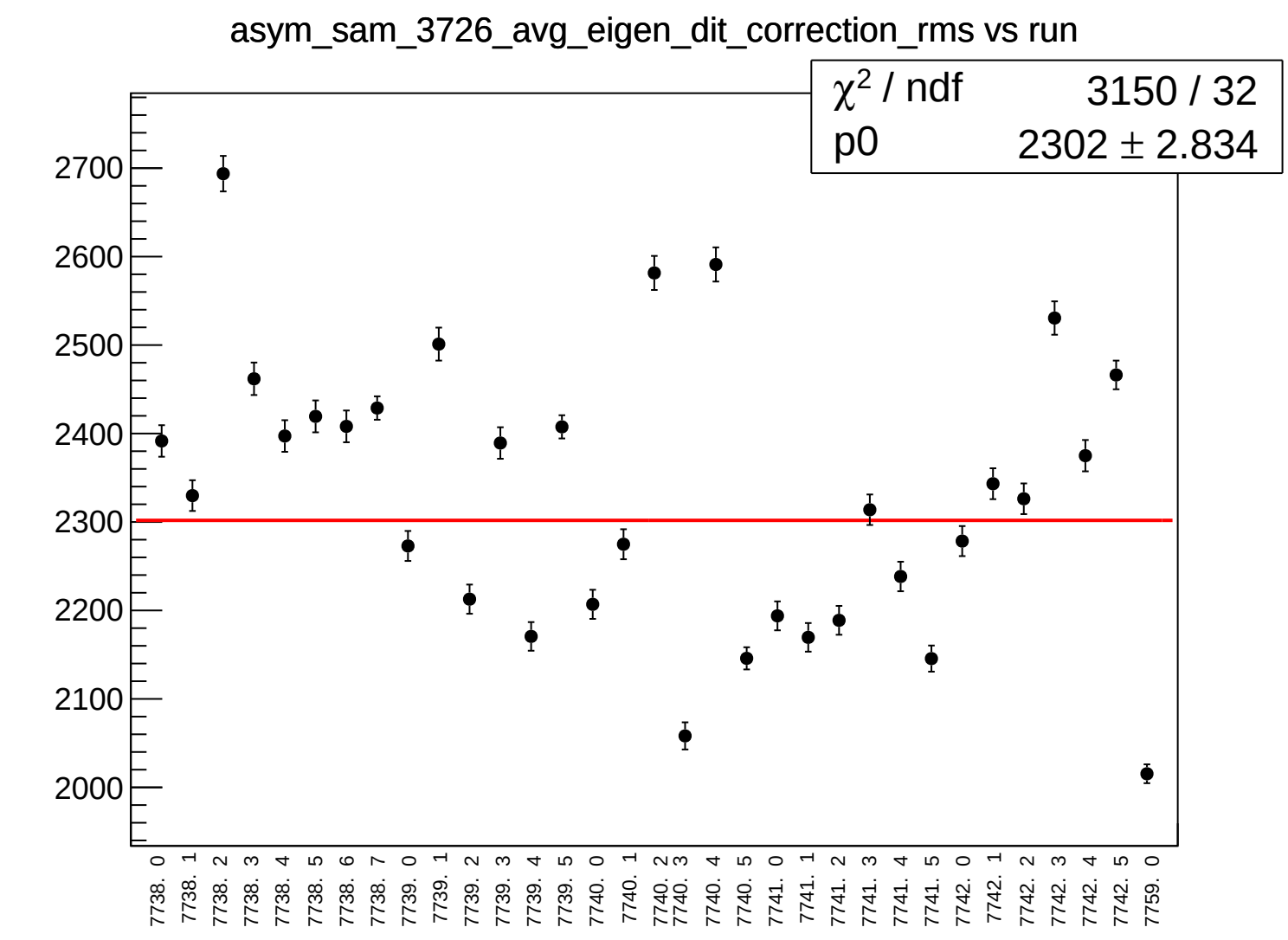

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 27.34 / 32
p0 328.5 ± 474.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.95
Std Dev 38.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2

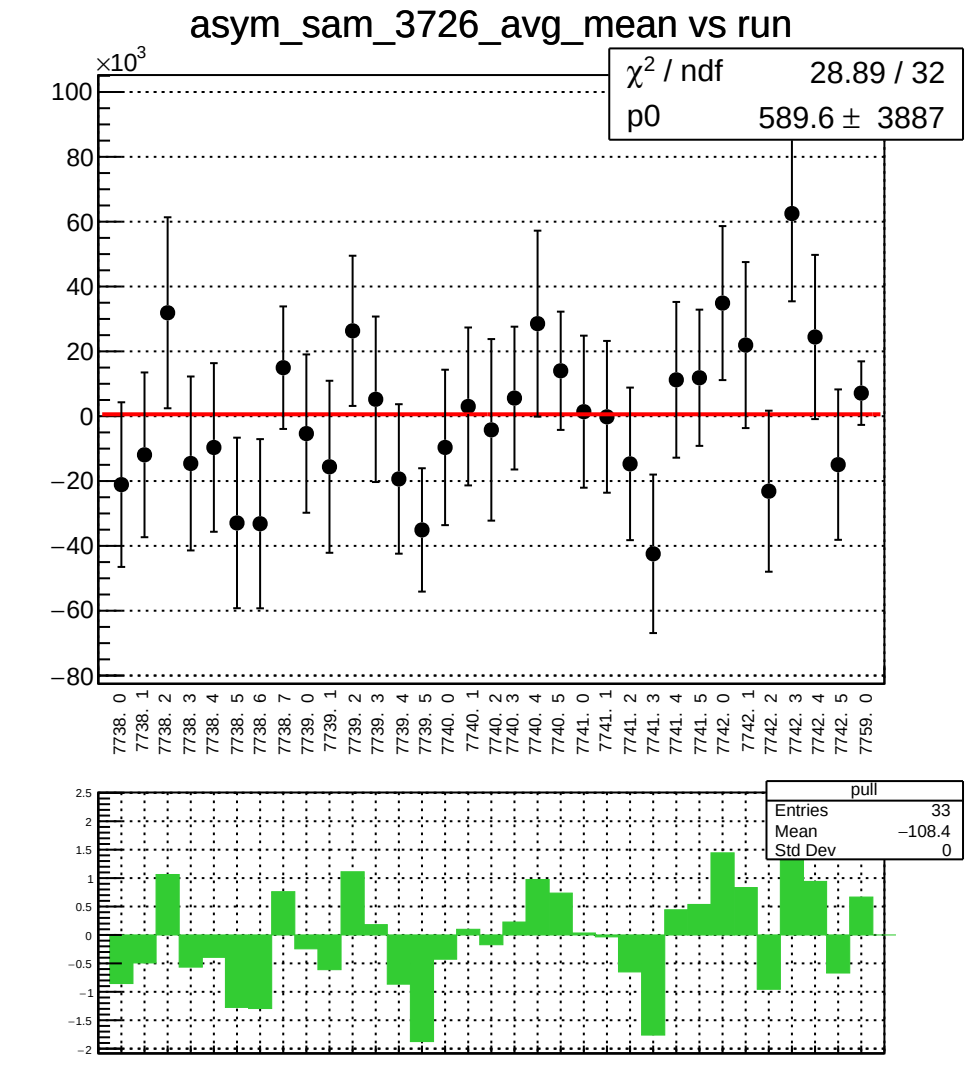

pull1D
Entries 33
Mean −0.008541
Std Dev 0.9102
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

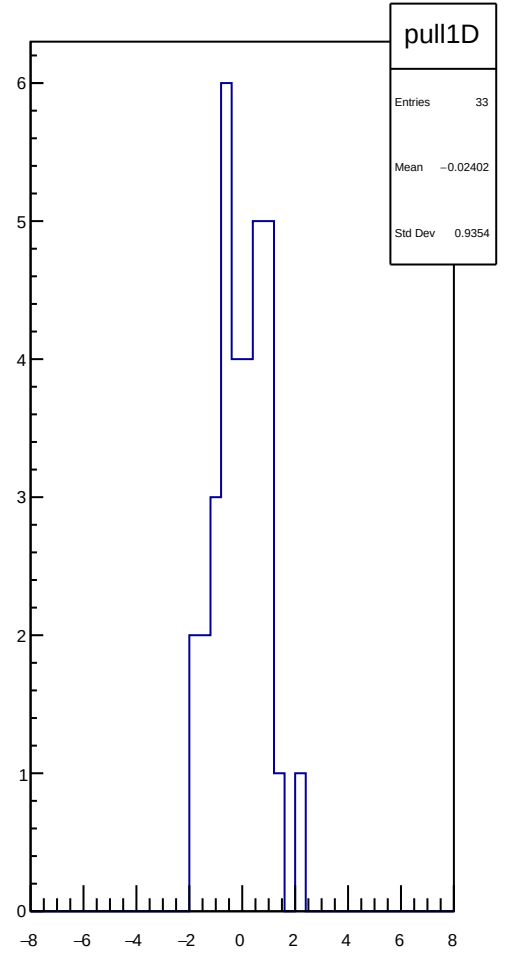

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.743e+04 / 32
p0 269.8 ± 0.3358
700
600
500
400
300
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

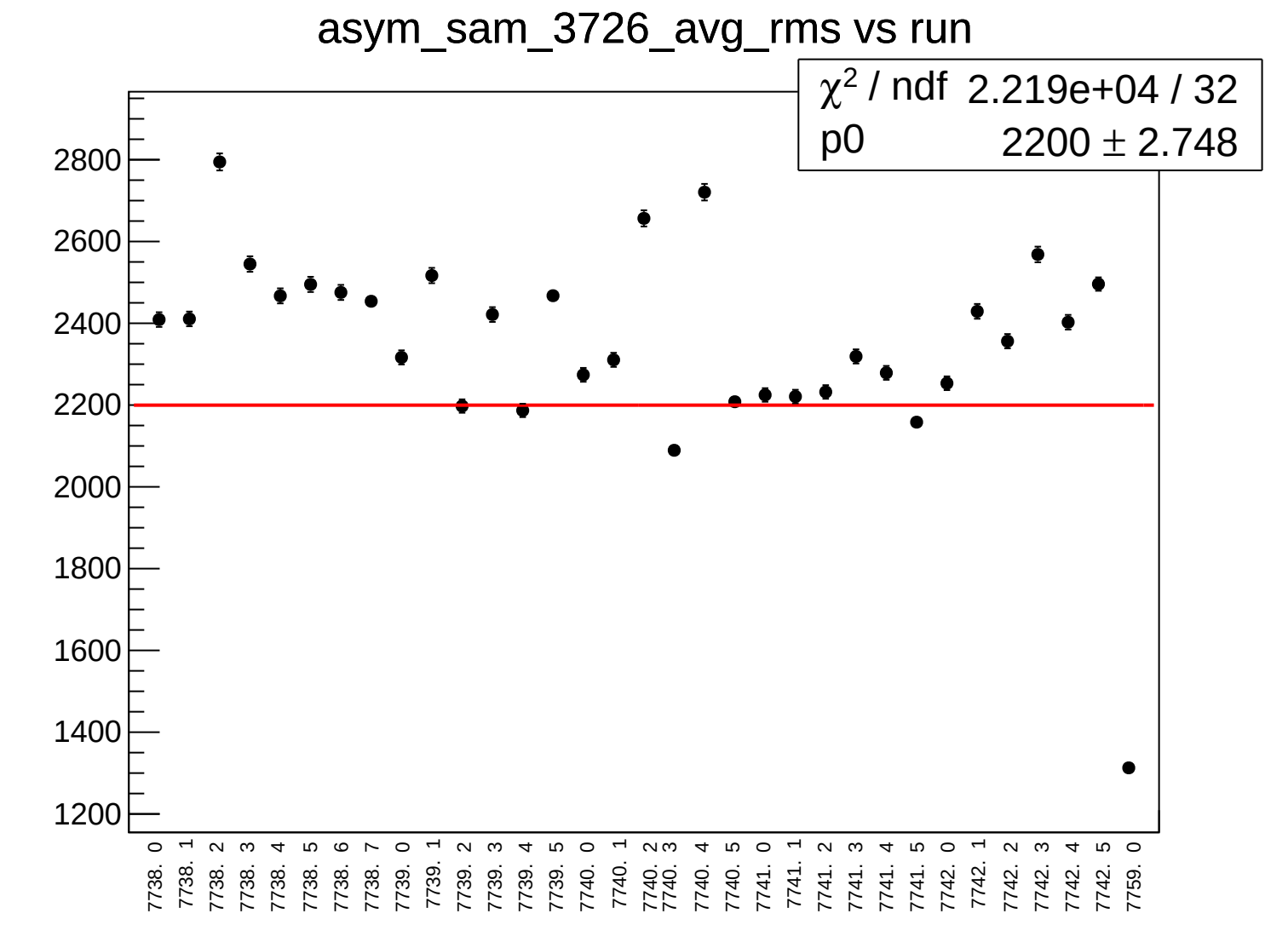

asym_sam_3726_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.32 / 32
p0 285.5 ± 4008
80
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −665
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

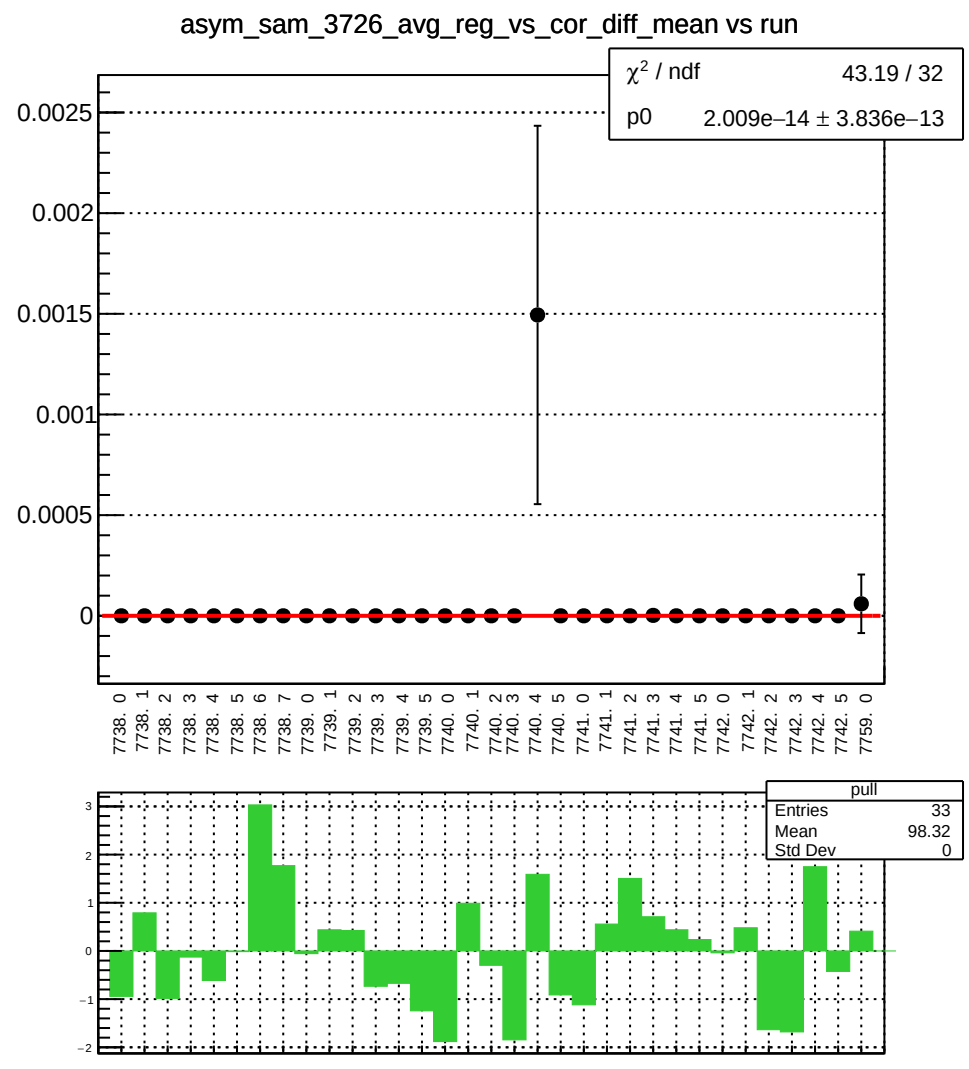

pull1D
Entries 33
Mean 0.004356
Std Dev 0.9585
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

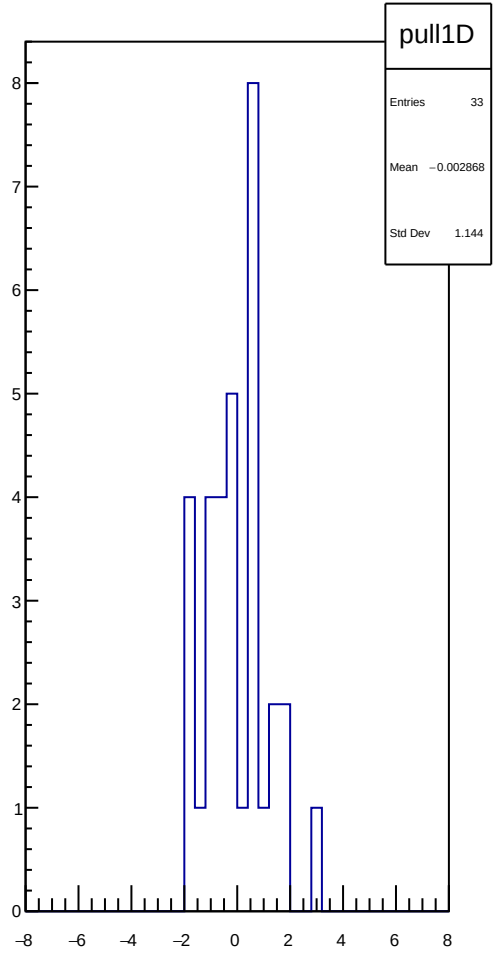

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 3150 / 32
p0 2302 ± 2.834
2700
2600
2500
2400
2300
2200
2100
2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

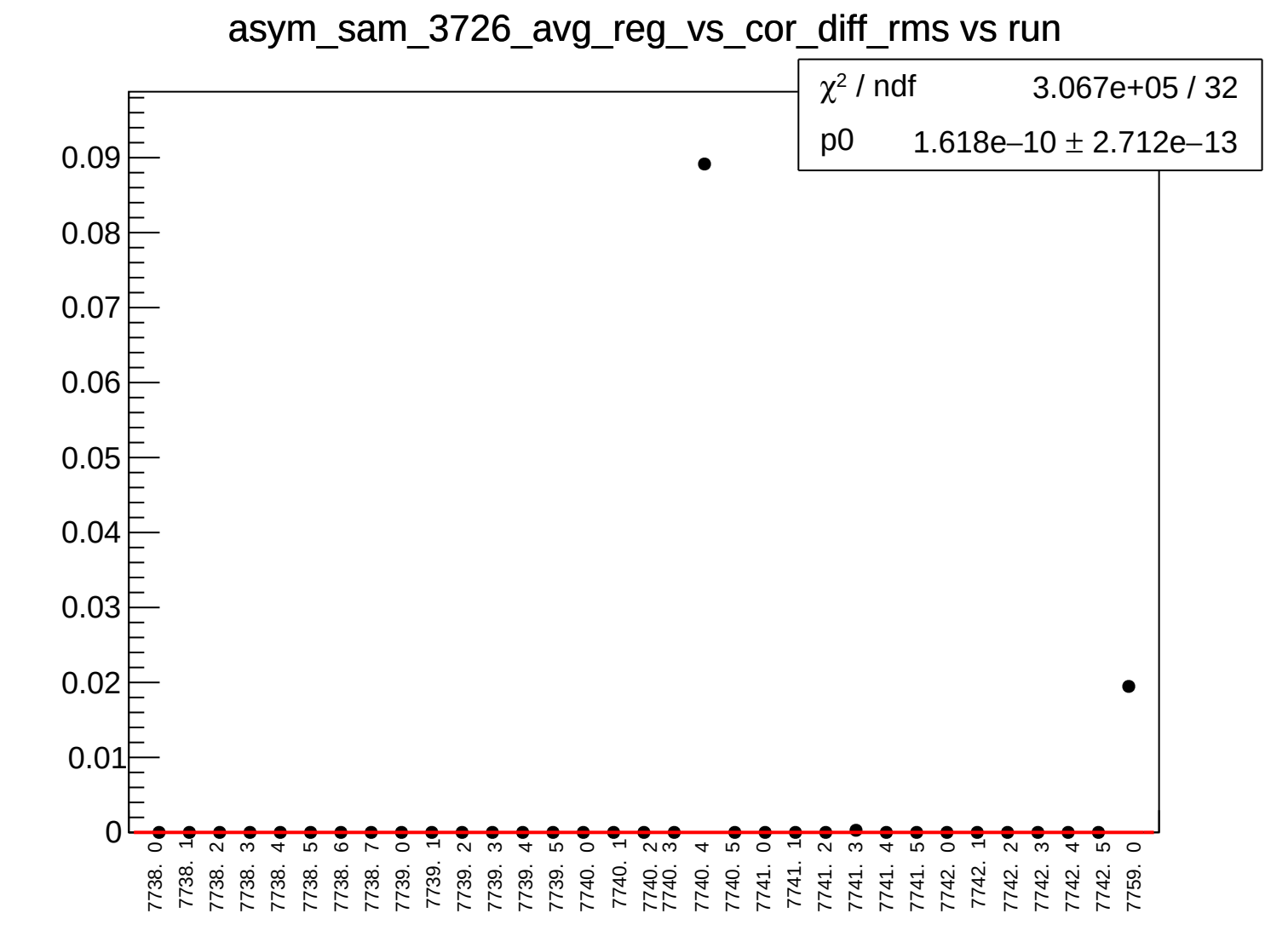

asym_sam_3726_avg_mean vs run
×10^3
χ² / ndf 28.89 / 32
p0 589.6 ± 3887
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −108.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

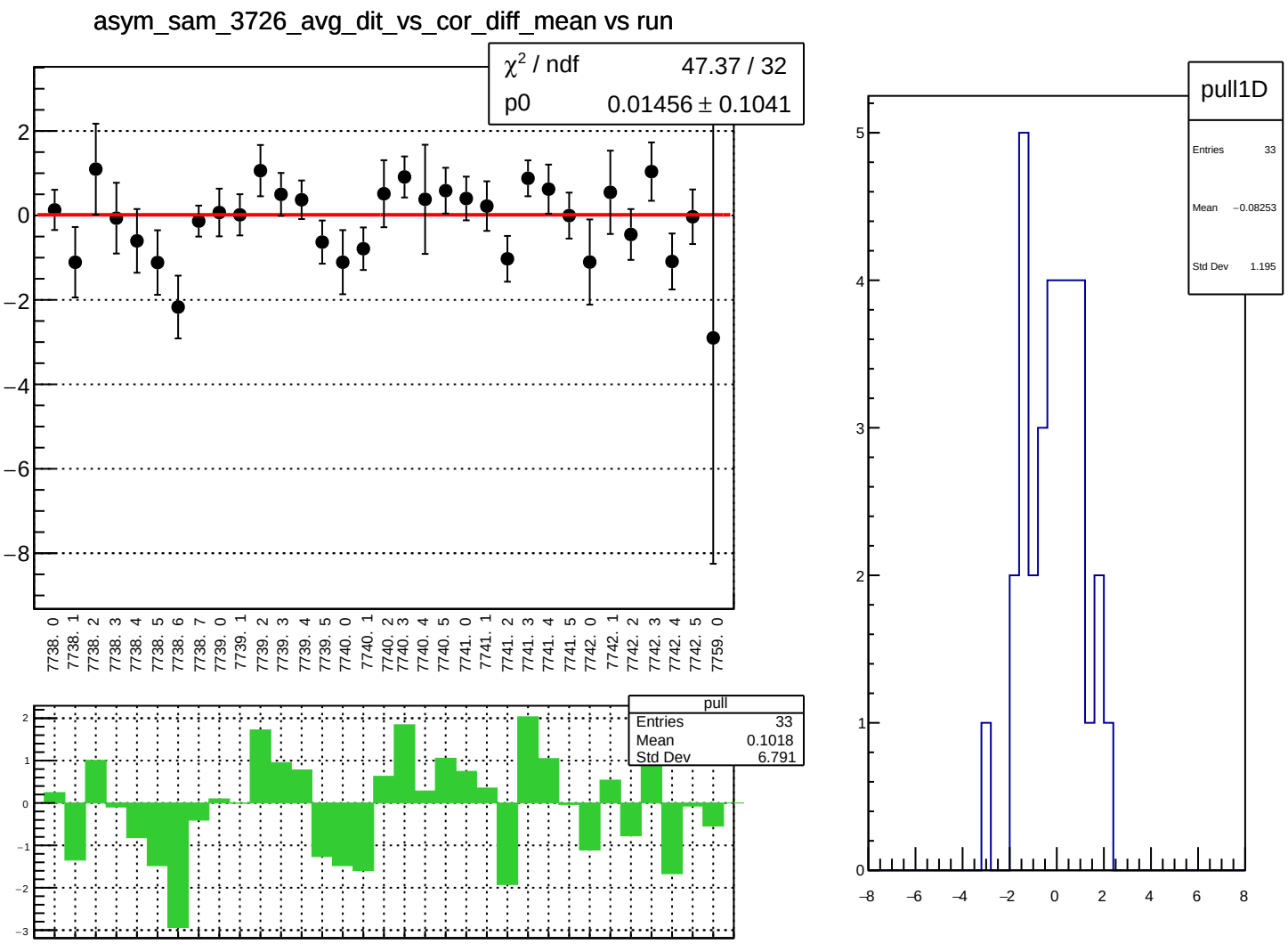

pull1D
Entries 33
Mean −0.02402
Std Dev 0.9354
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

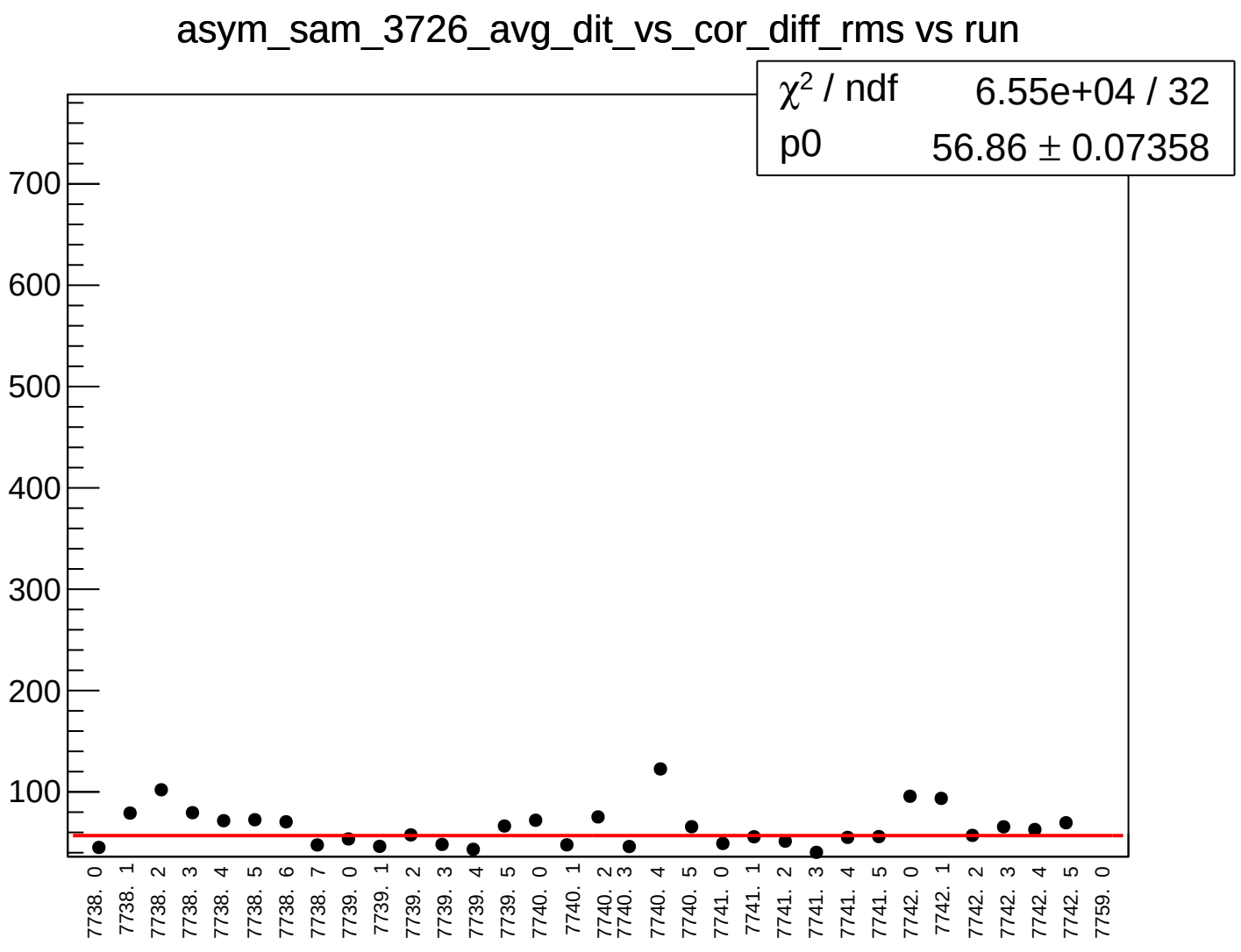

asym_sam_3726_avg_rms vs run
χ² / ndf 2.219e+04 / 32
p0 2200 ± 2.748
2800
2600
2400
2200
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

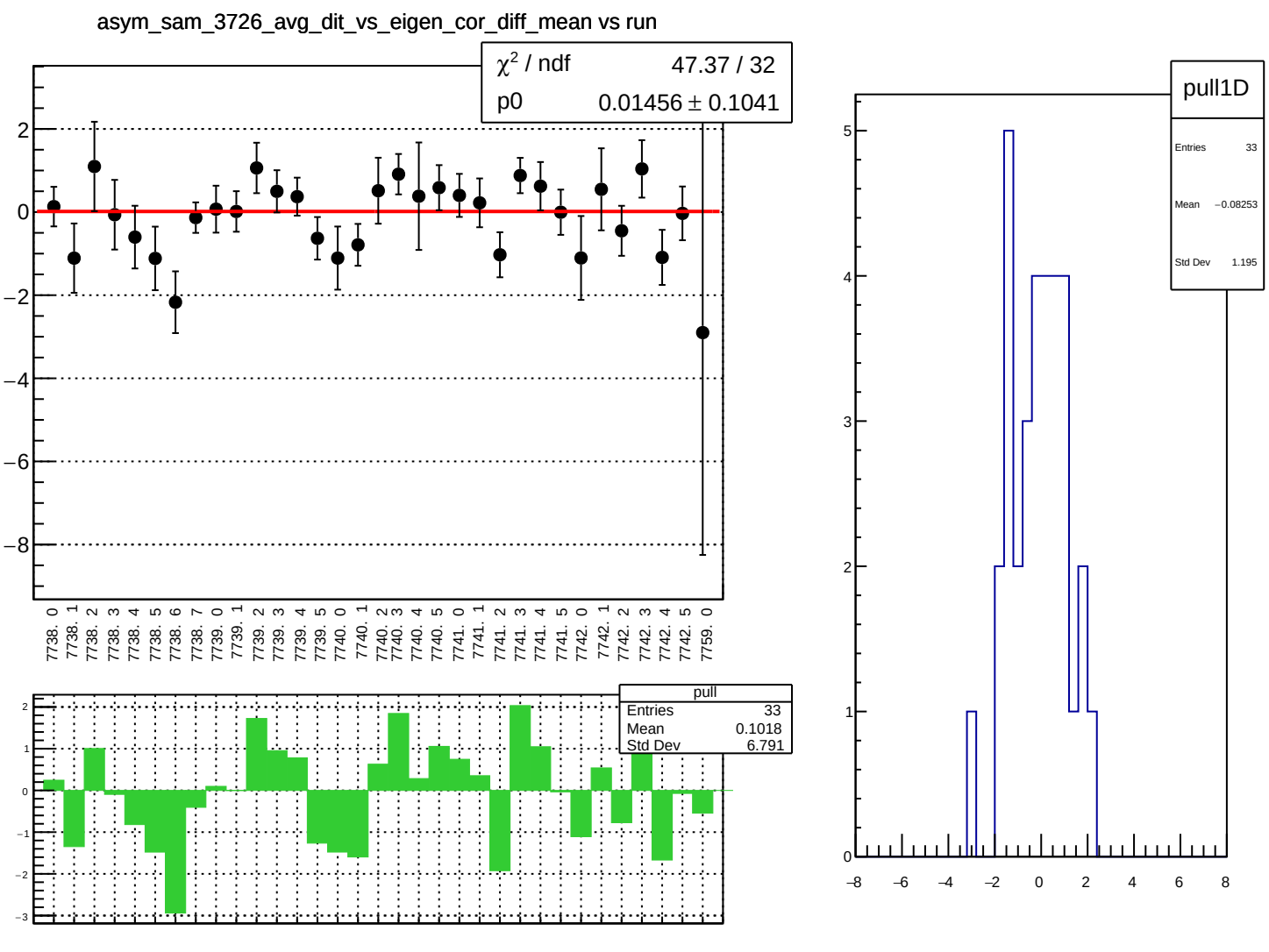

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.19 / 32
p0 2.009e−14 ± 3.836e−13
0.0025
0.002
0.0015
0.001
0.0005
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 98.32
Std Dev 0
3
2
1
0
−1
−2

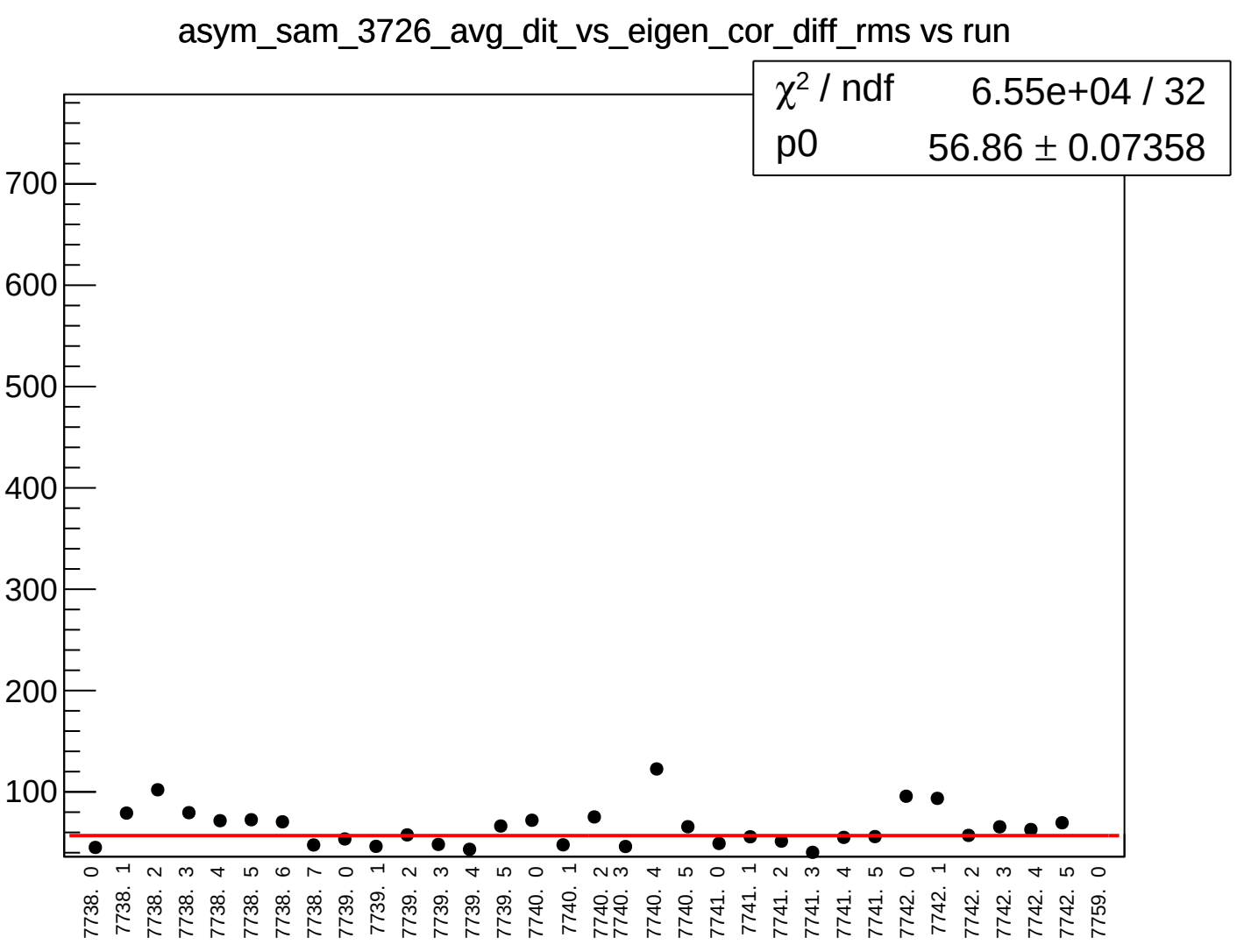

pull1D
Entries 33
Mean −0.002868
Std Dev 1.144
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

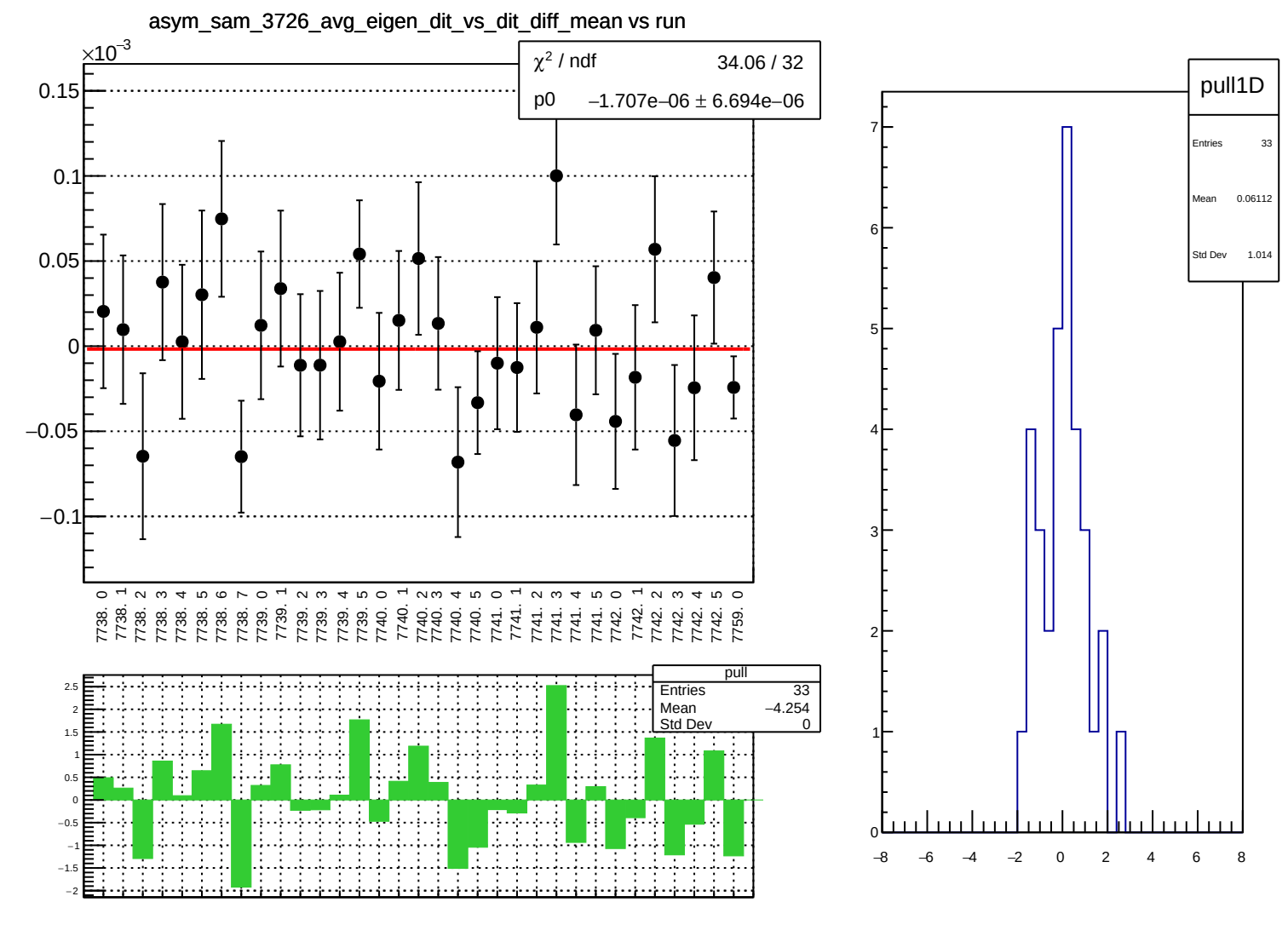

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.067e+05 / 32
p0 1.618e−10 ± 2.712e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

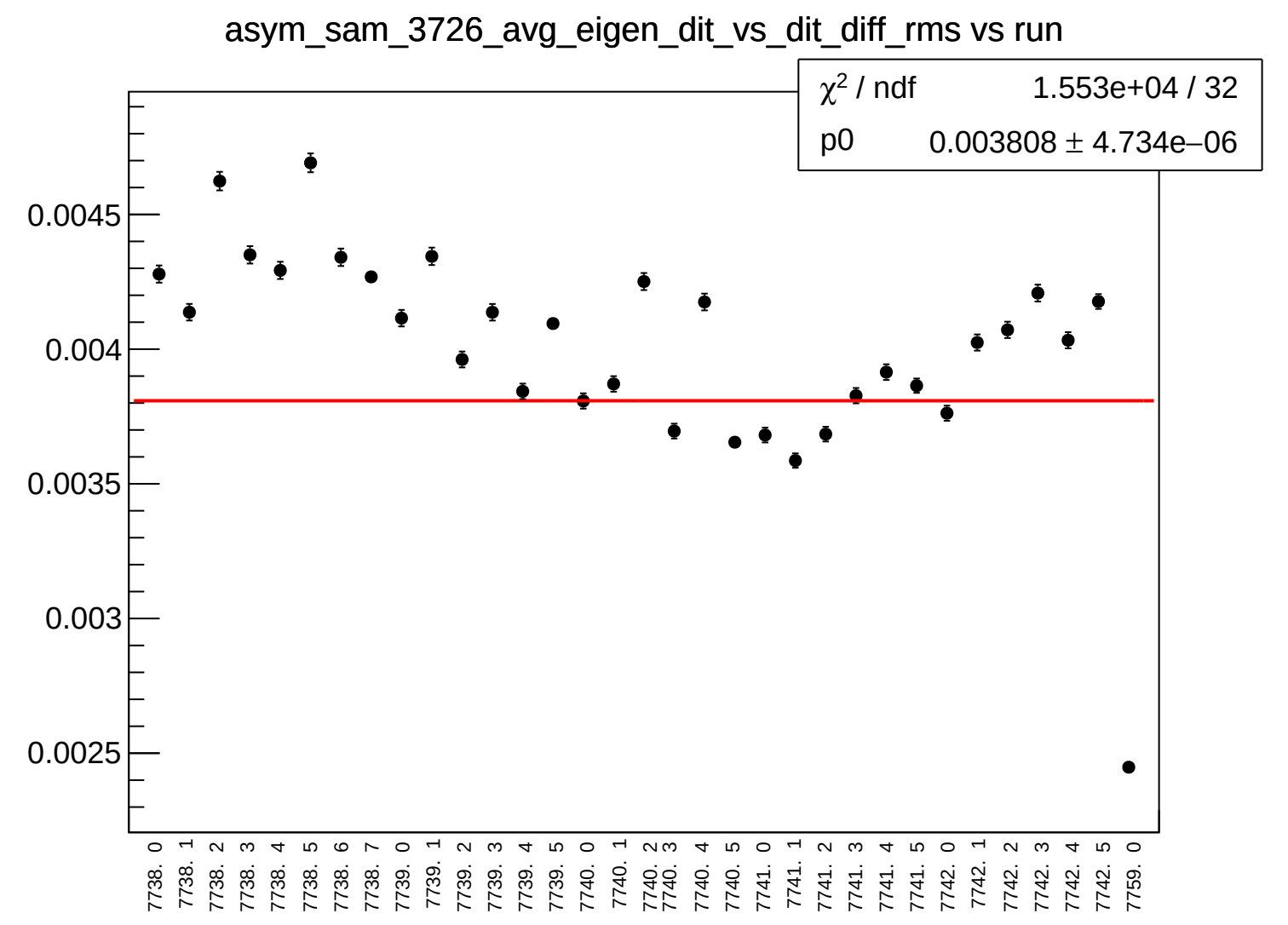

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.37 / 32
p0 0.01456 ± 0.1041
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.1018
Std Dev 6.791
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.08253
Std Dev 1.195
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

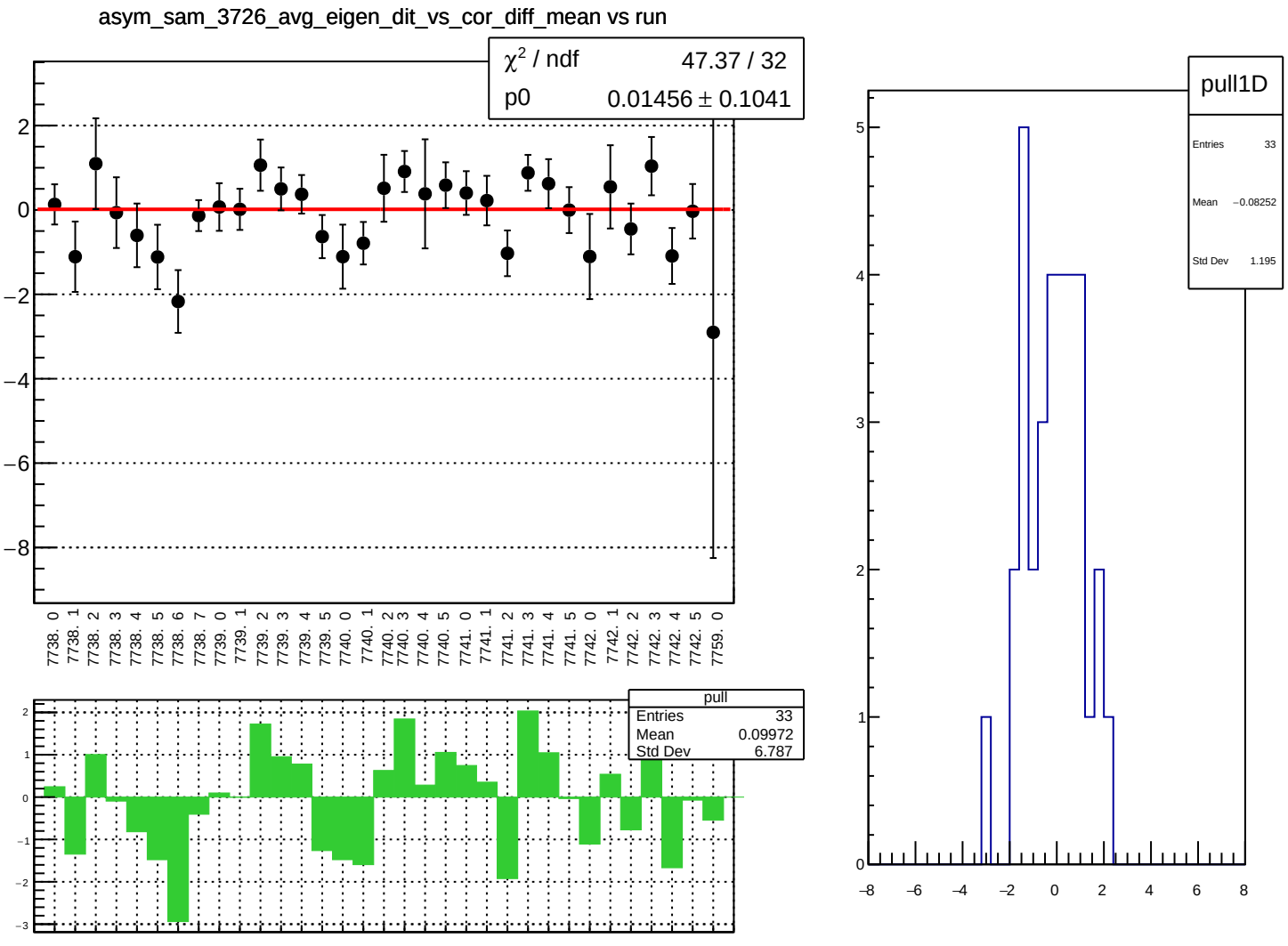

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.55e+04 / 32
p0 56.86 ± 0.07358
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

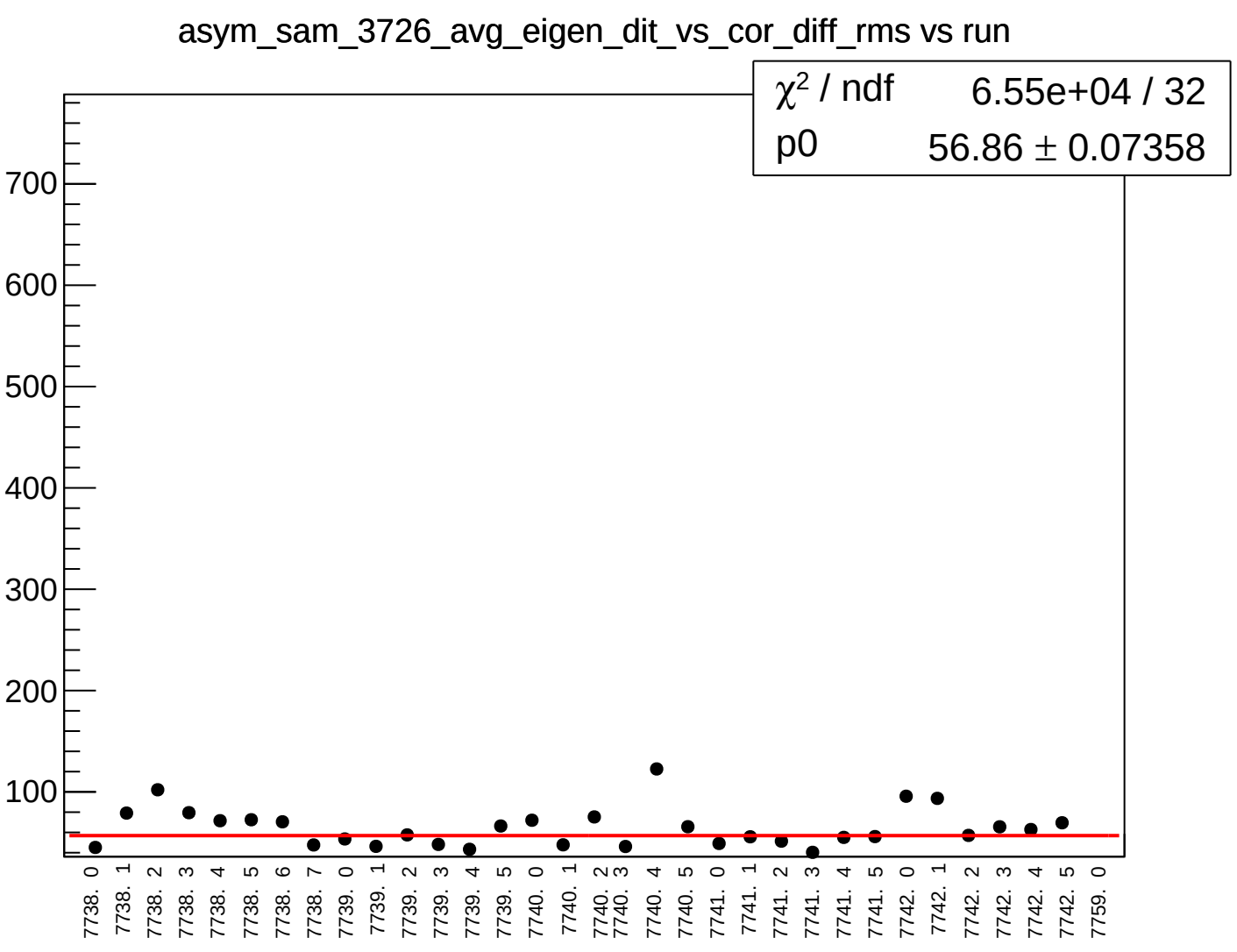

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.37 / 32
p0 0.01456 ± 0.1041
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.1018
Std Dev 6.791
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.08253
Std Dev 1.195
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

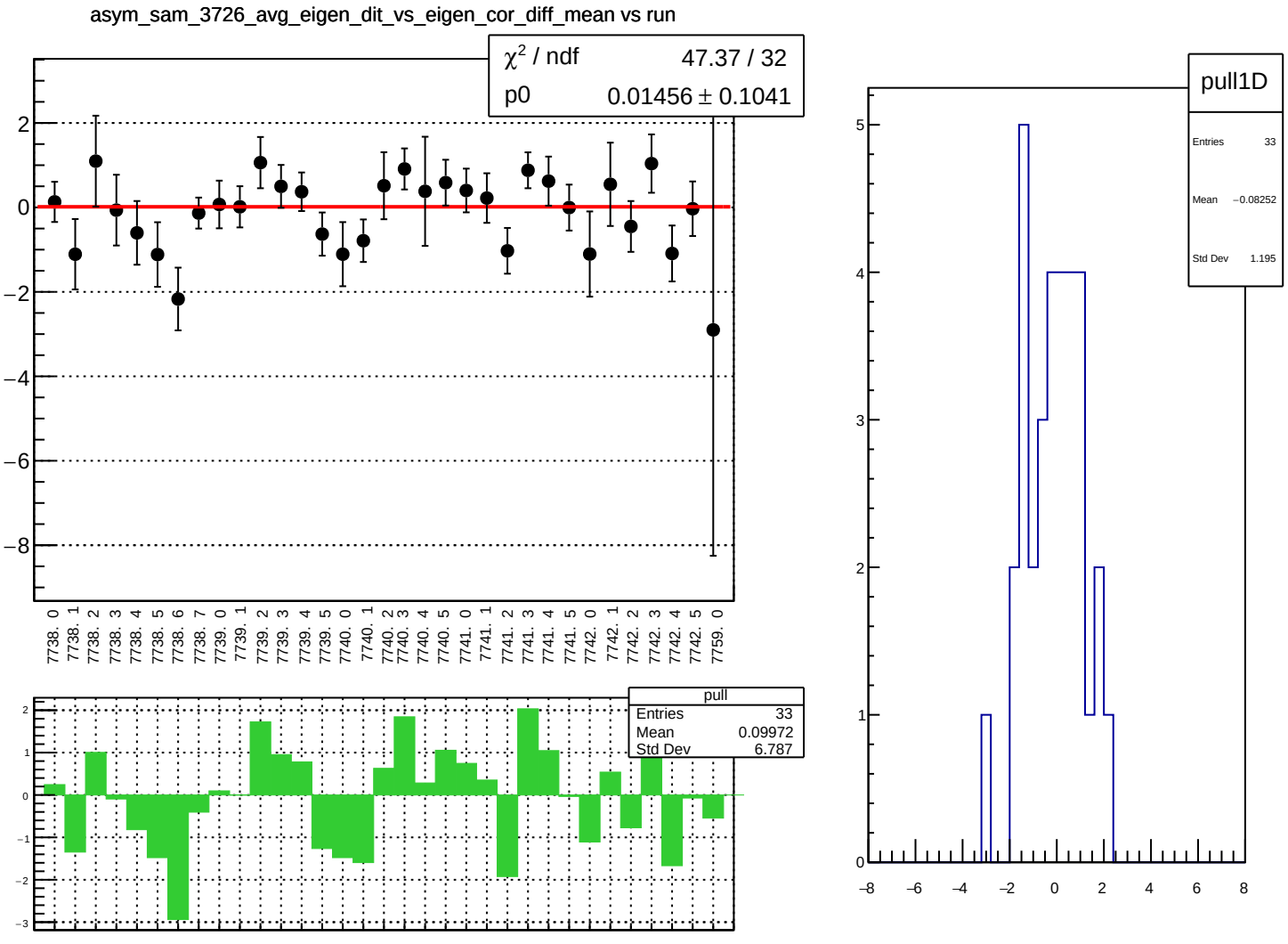

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.55e+04 / 32
p0 56.86 ± 0.07358
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

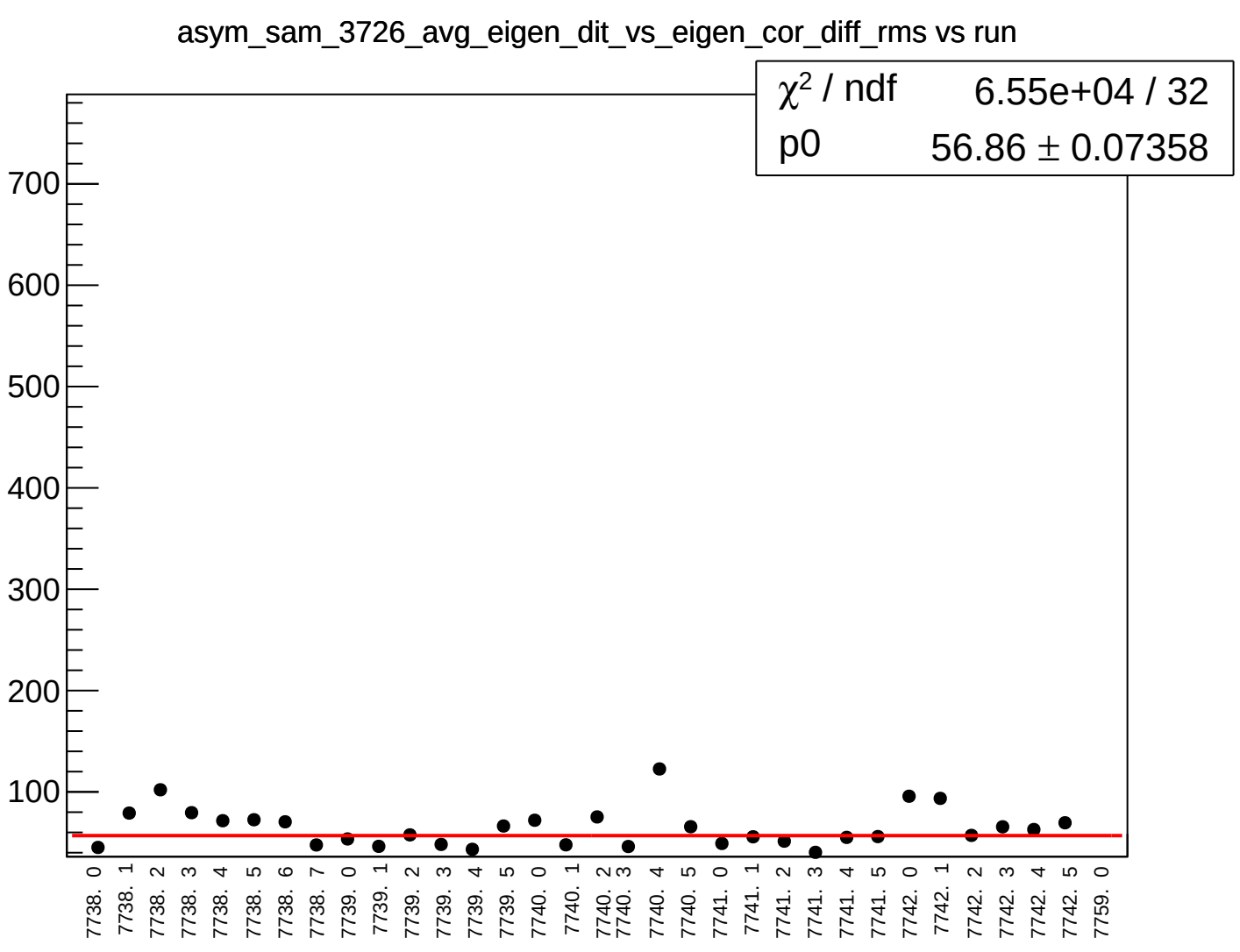

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.06 / 32
p0 −1.707e−06 ± 6.694e−06
0.15
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.254
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.06112
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

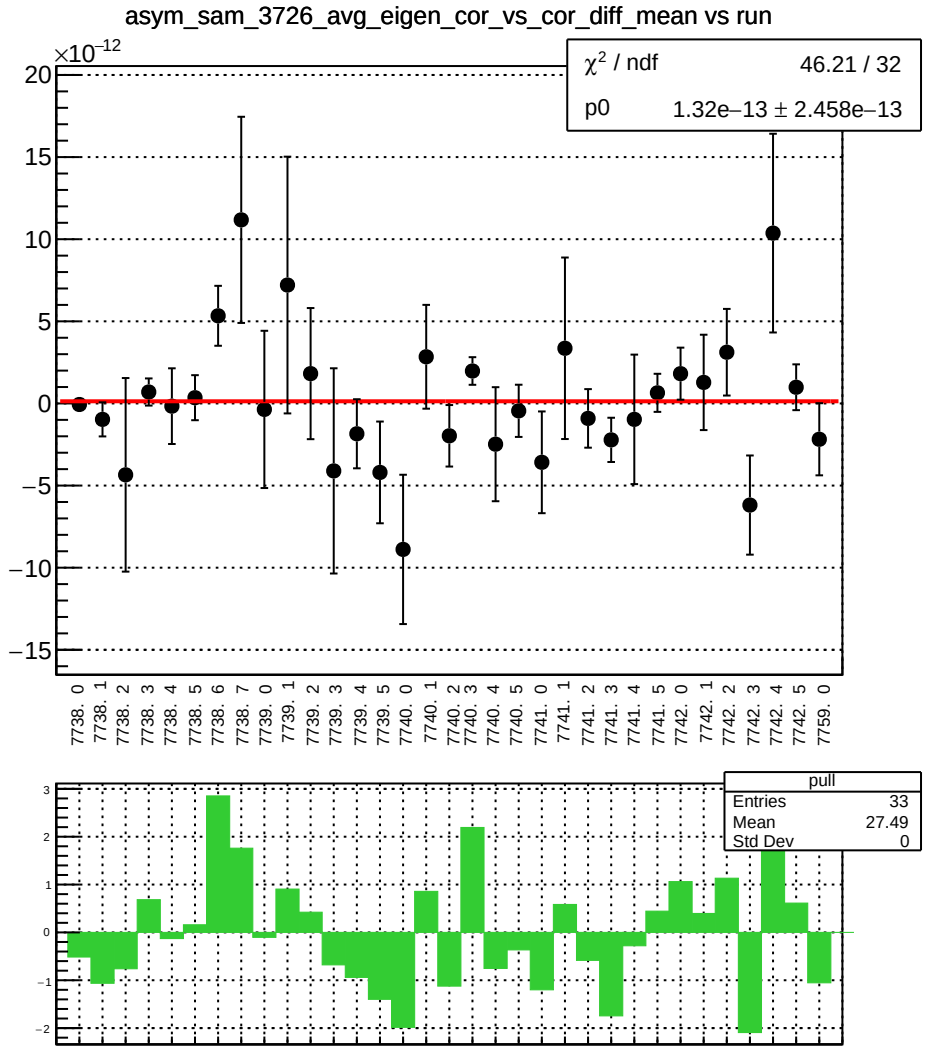

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.553e+04 / 32
p0 0.003808 ± 4.734e−06
0.0045
0.004
0.0035
0.003
0.0025
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

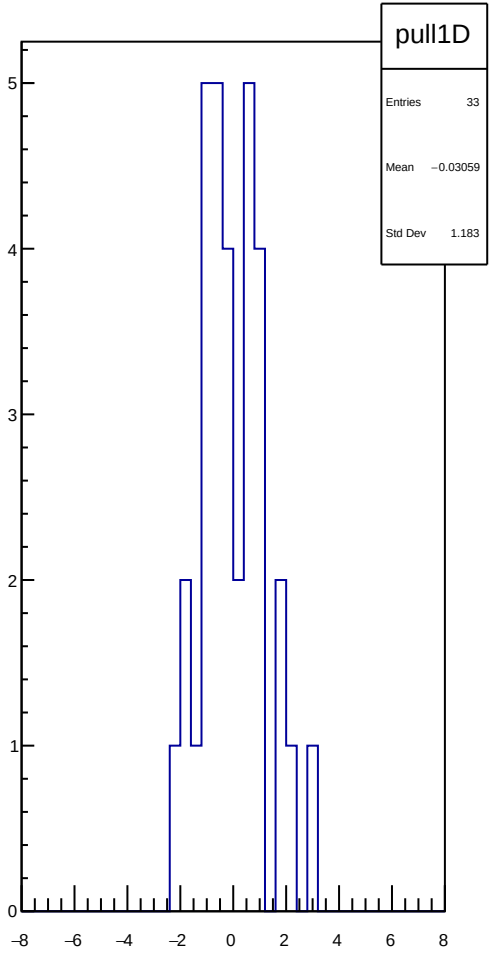

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.37 / 32
p0 0.01456 ± 0.1041
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.09972
Std Dev 6.787
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.08252
Std Dev 1.195
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

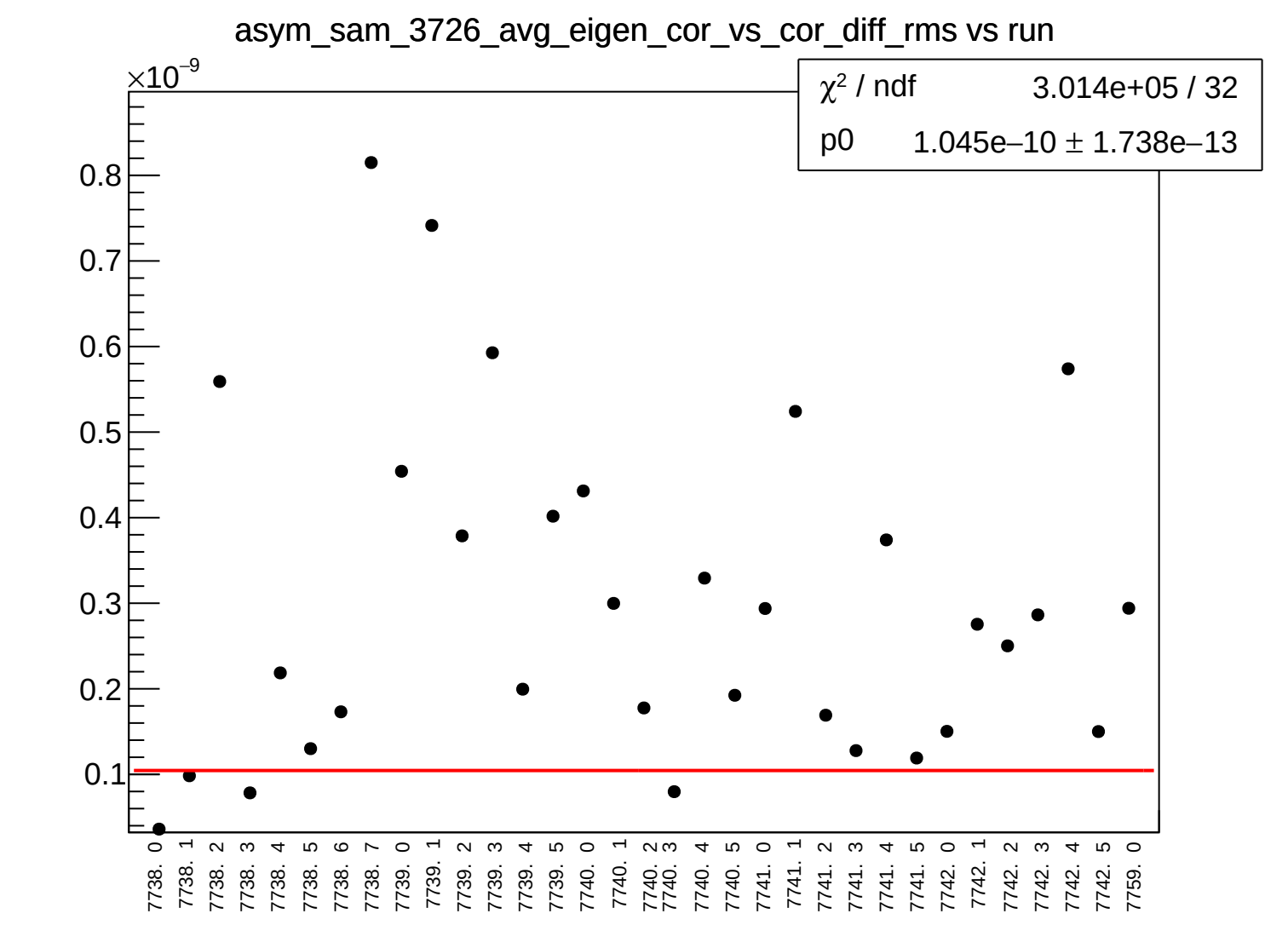

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.55e+04 / 32
p0 56.86 ± 0.07358
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

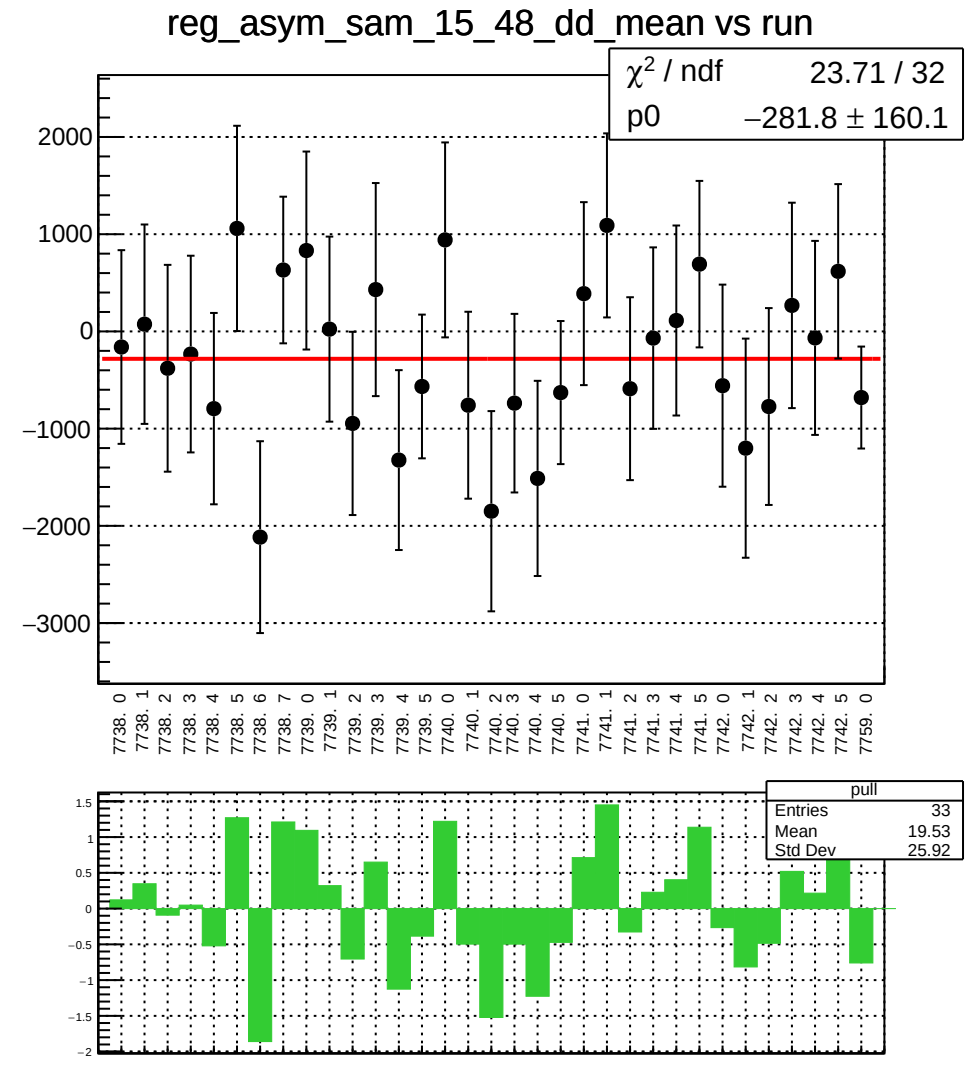

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.37 / 32
p0 0.01456 ± 0.1041
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.09972
Std Dev 6.787
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.08252
Std Dev 1.195
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

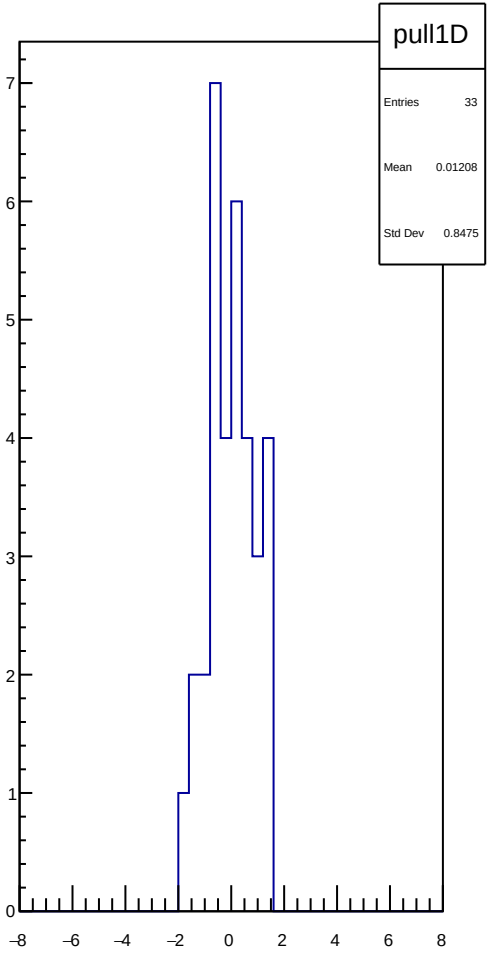

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.55e+04 / 32
p0 56.86 ± 0.07358
700
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

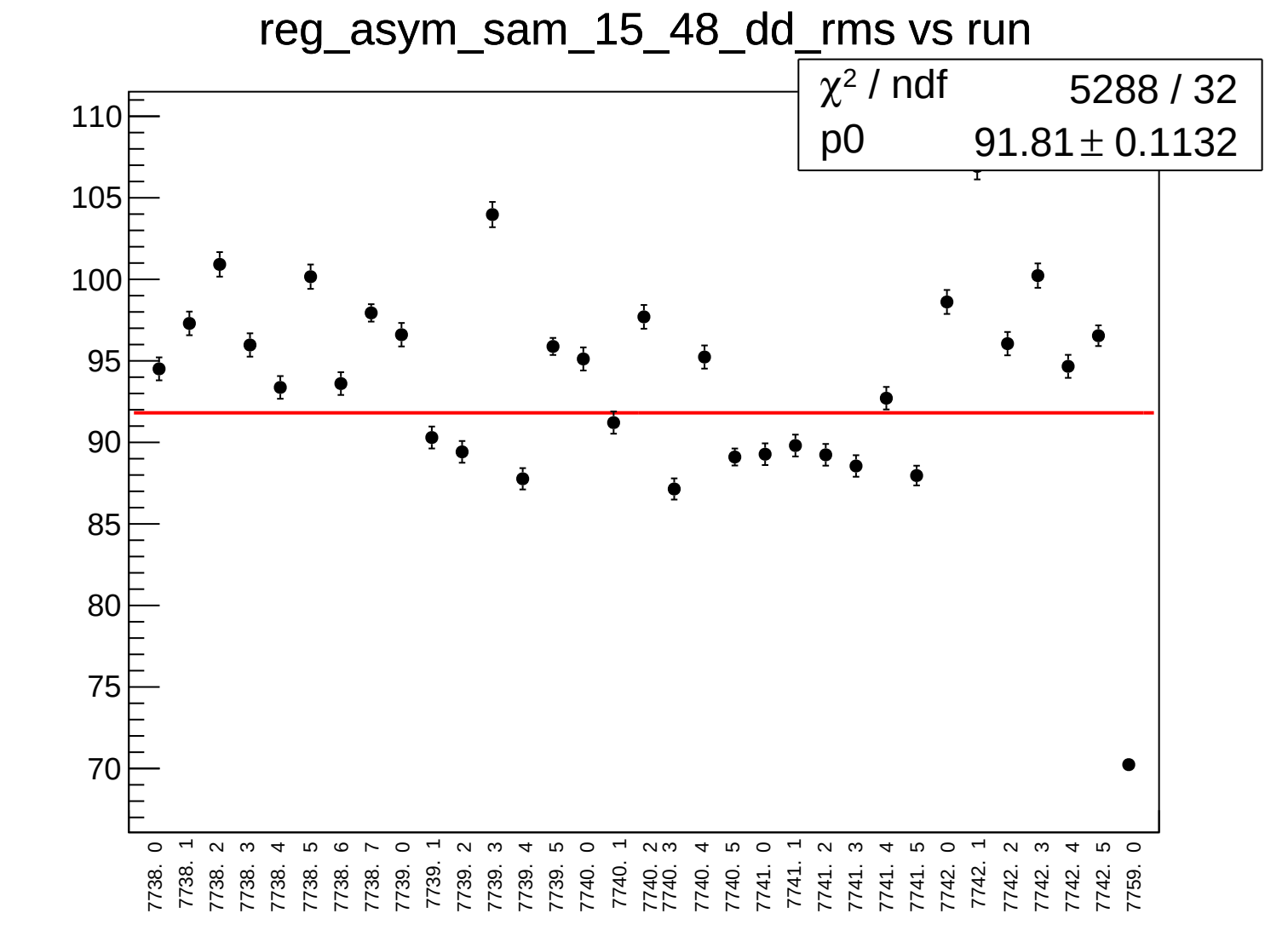

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.21 / 32
p0 1.32e−13 ± 2.458e−13
20
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.49
Std Dev 0
3
2
1
0
−1
−2

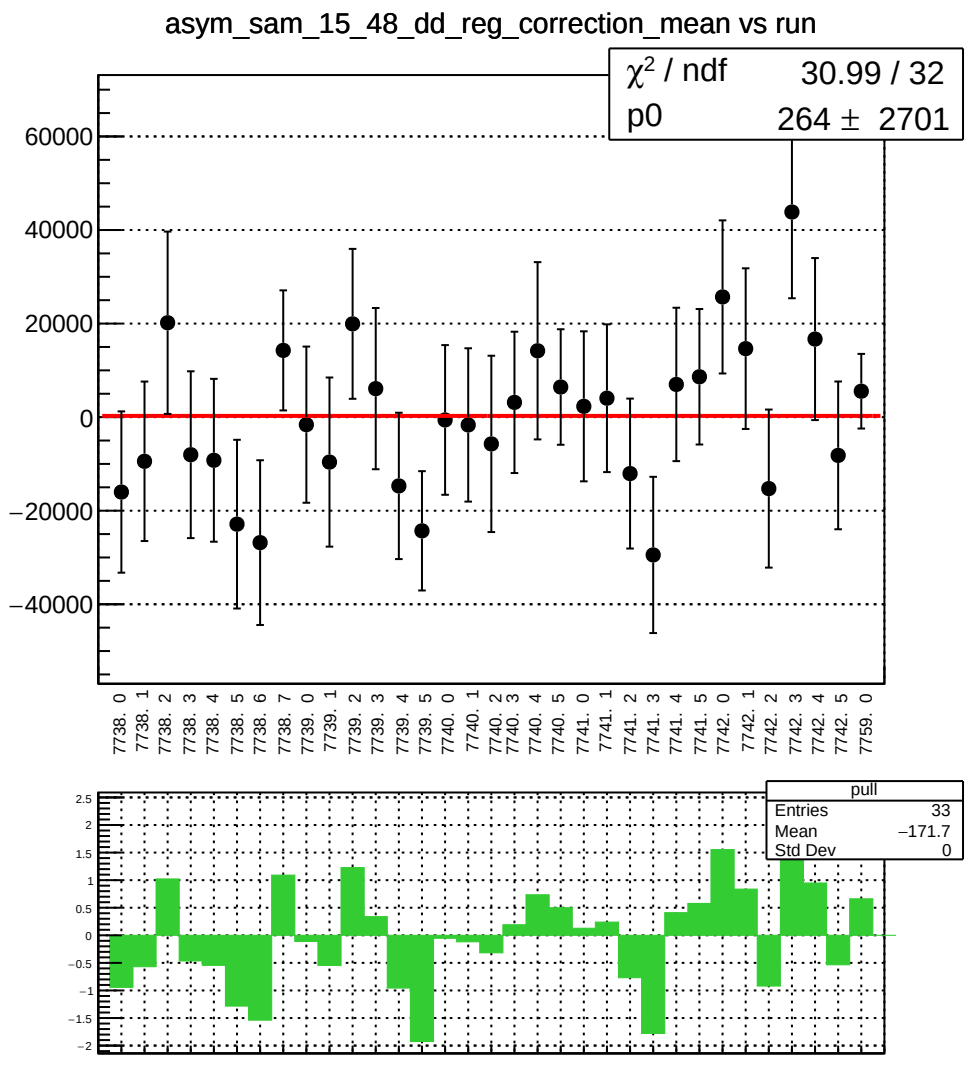

pull1D
Entries 33
Mean −0.03059
Std Dev 1.183
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

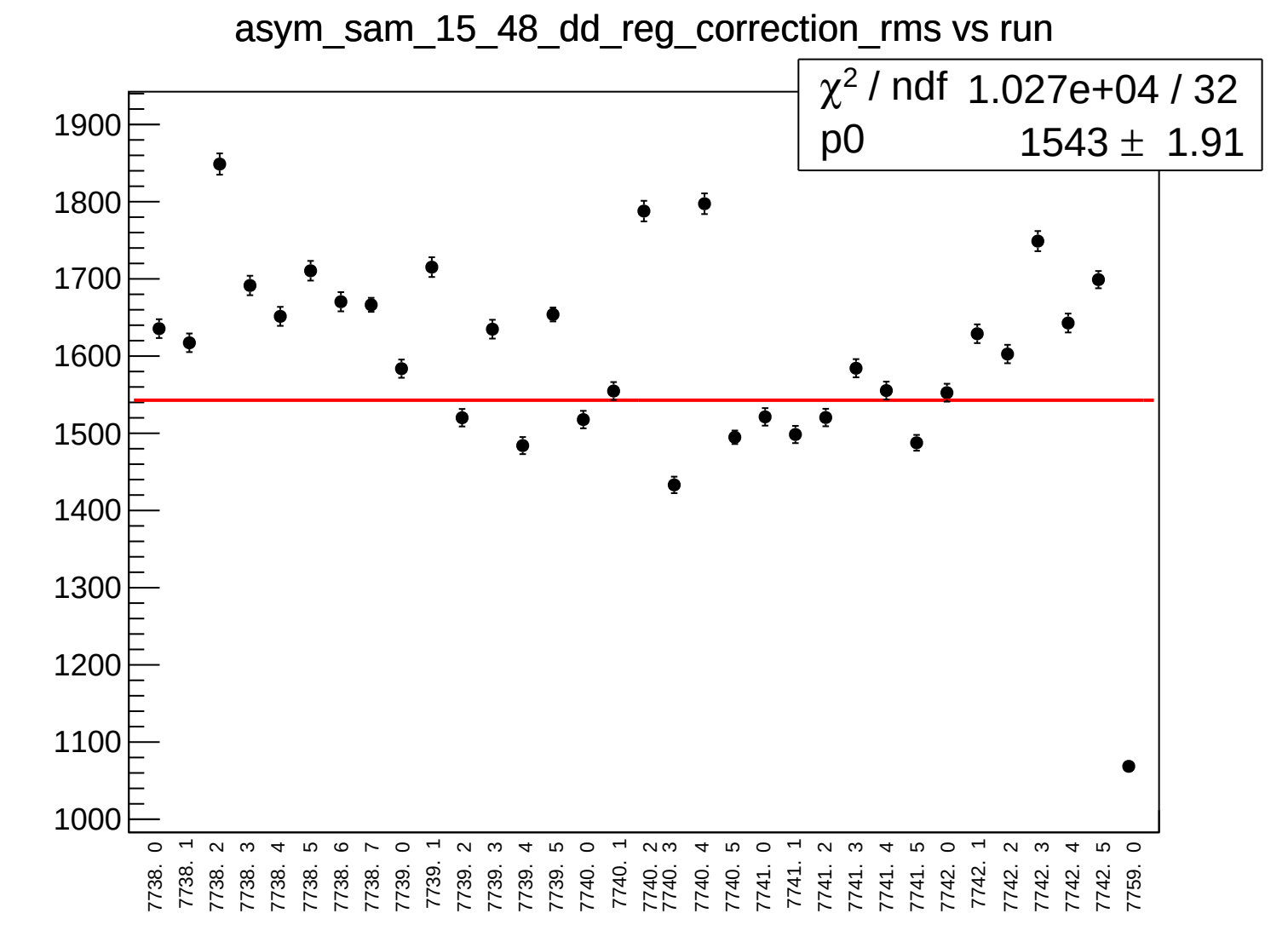

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.014e+05 / 32
p0 1.045e−10 ± 1.738e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 23.71 / 32
p0 −281.8 ± 160.1
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.53
Std Dev 25.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 33
Mean 0.01208
Std Dev 0.8475
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 5288 / 32
p0 91.81 ± 0.1132
110
105
100
95
90
85
80
75
70
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0


asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 30.99 / 32
p0 264 ± 2701
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −171.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01669
Std Dev 0.969
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 1.027e+04 / 32
p0 1543 ± 1.91
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
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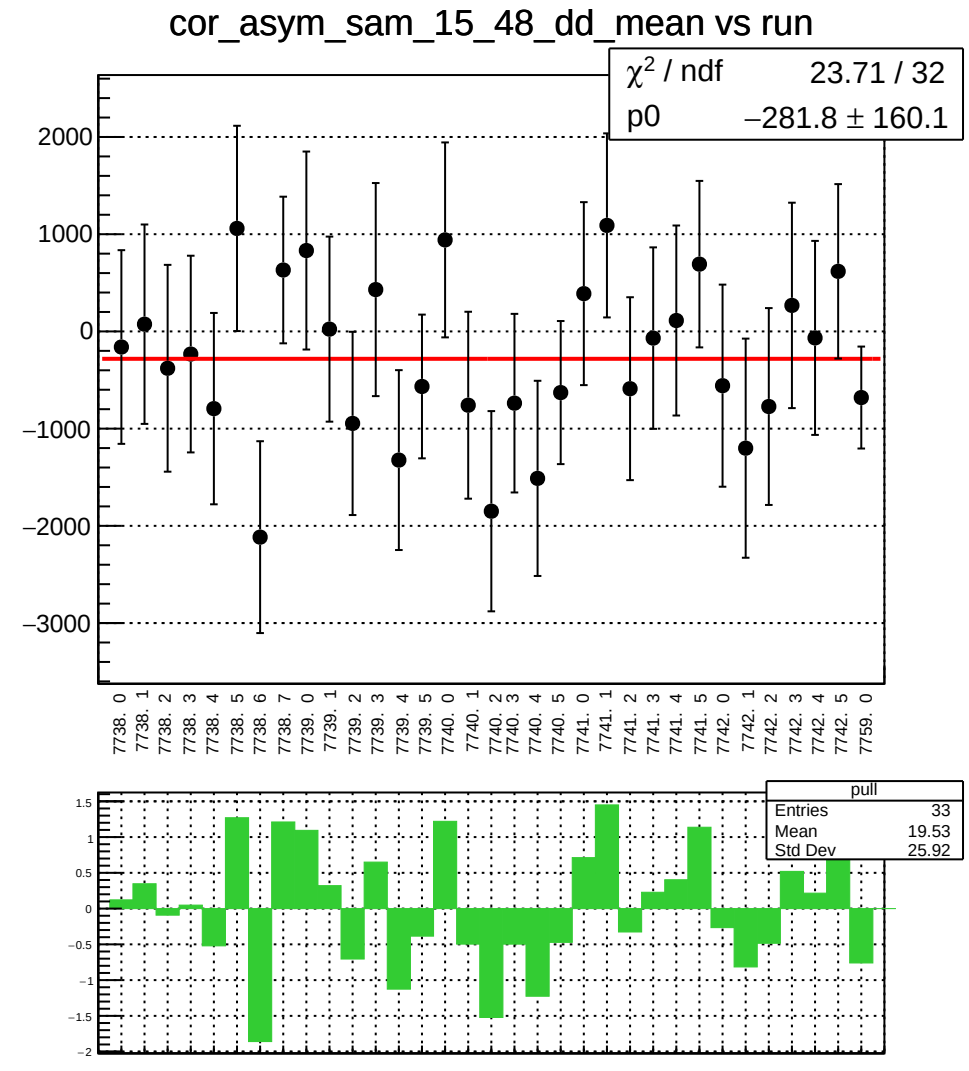
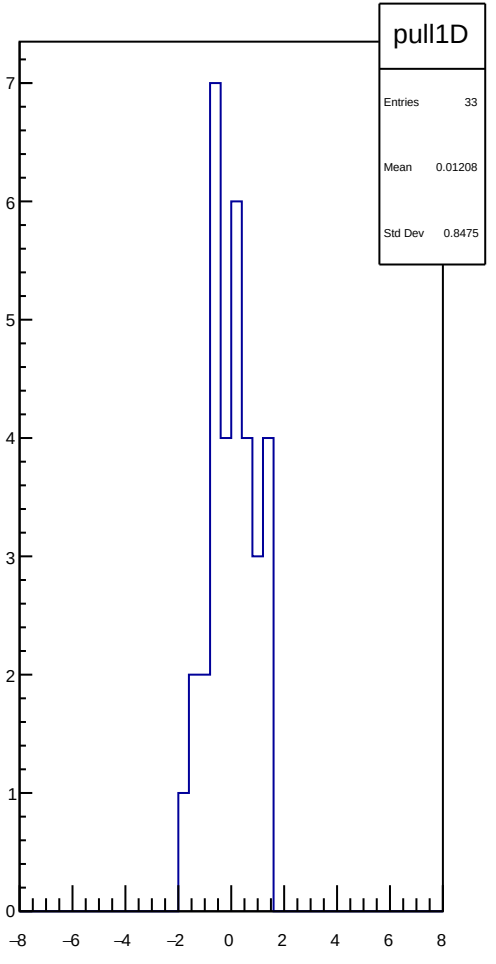
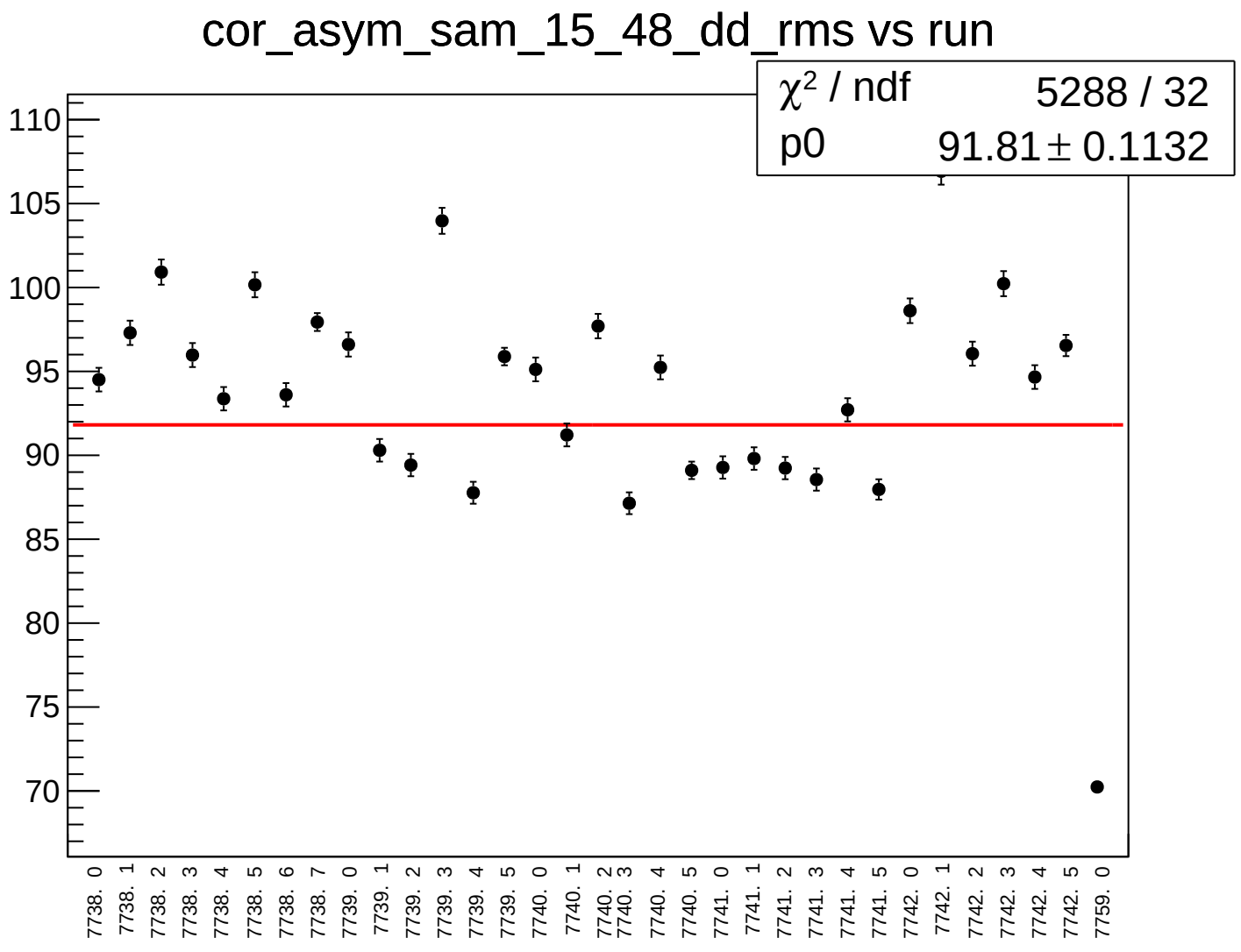
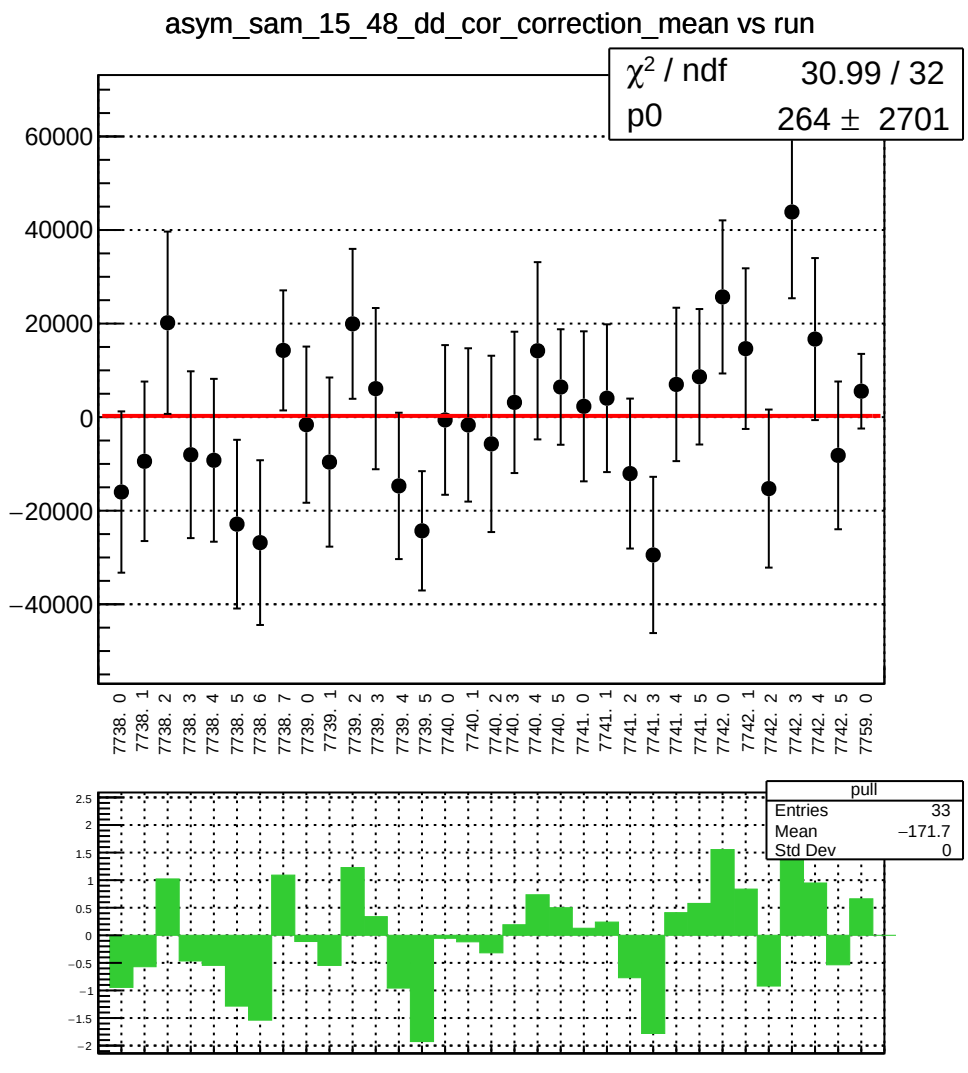
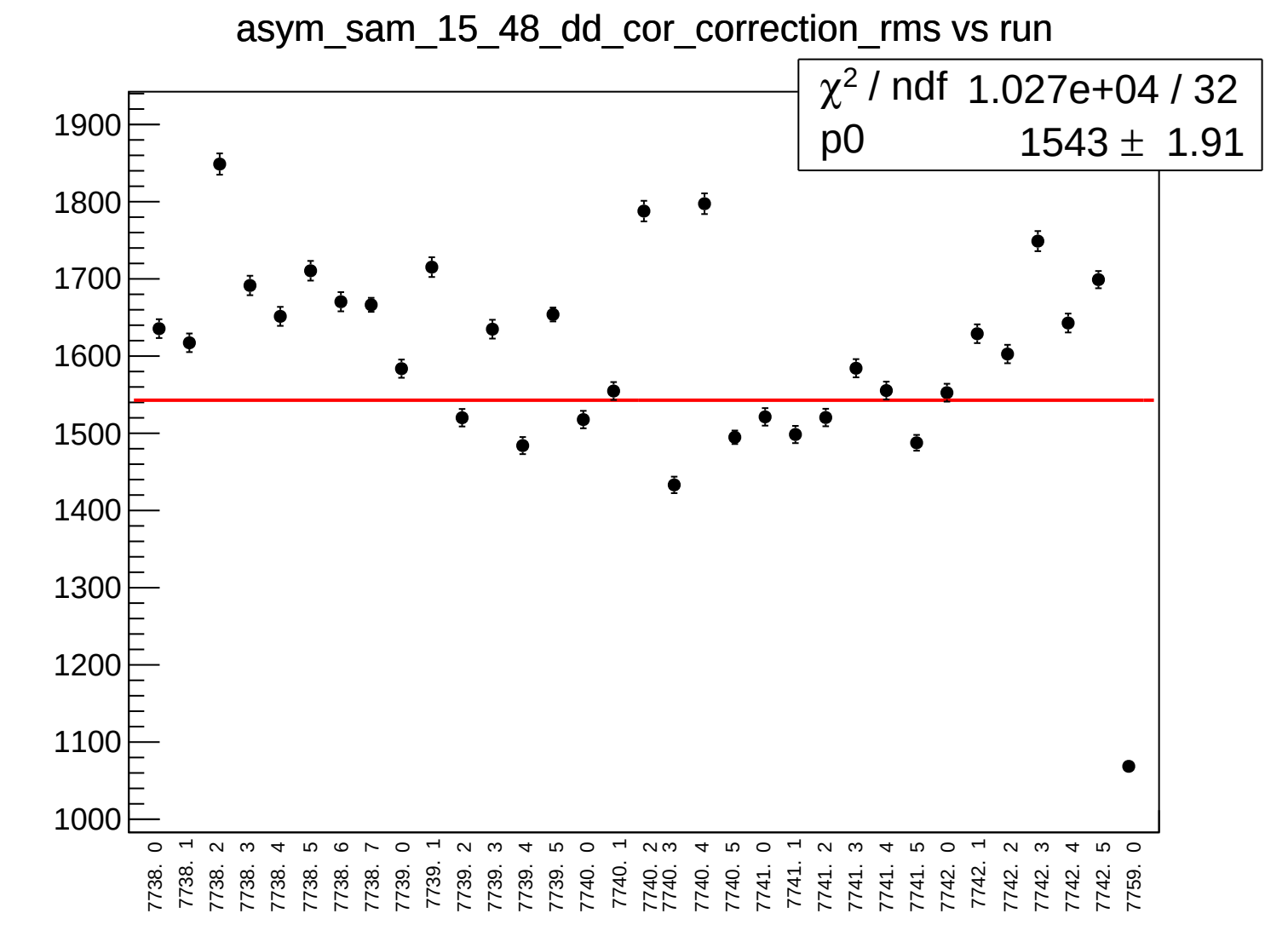
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

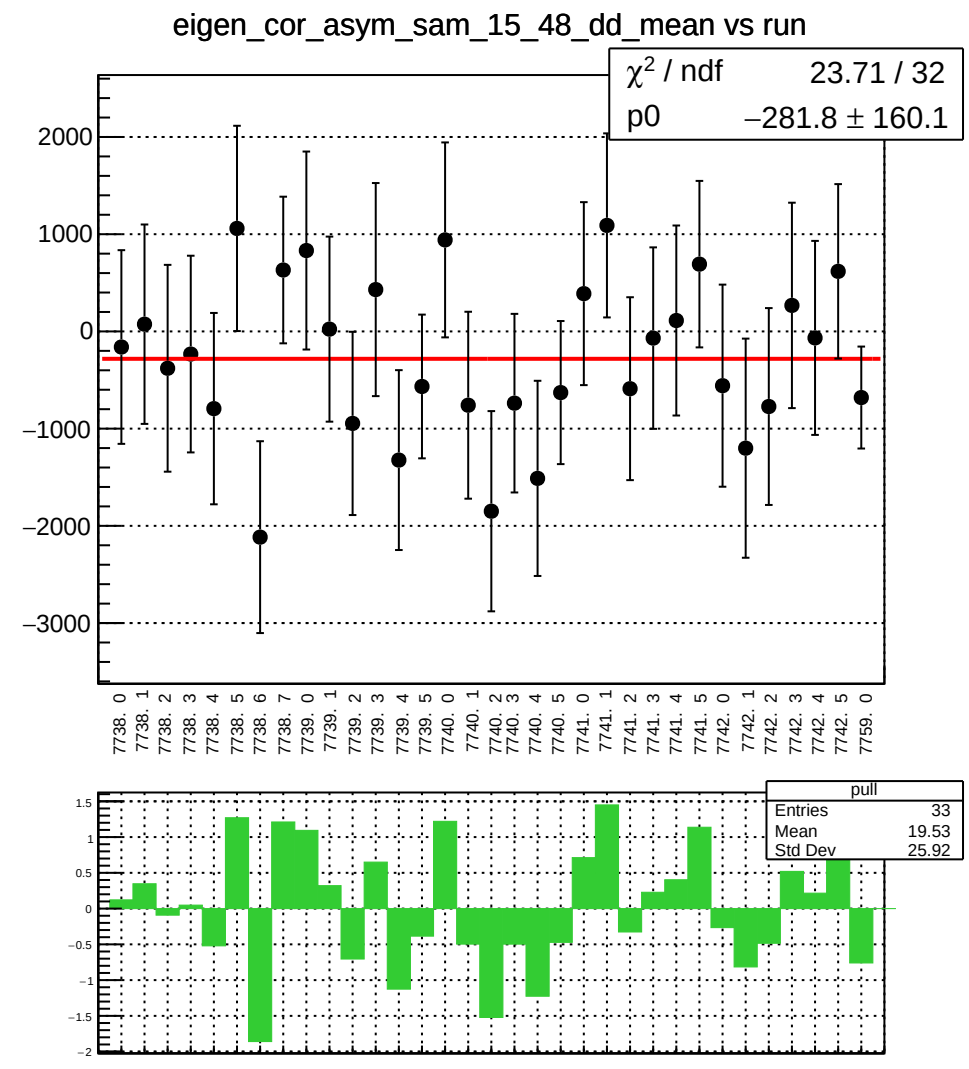

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 23.71 / 32
p0 −281.8 ± 160.1
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.53
Std Dev 25.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2

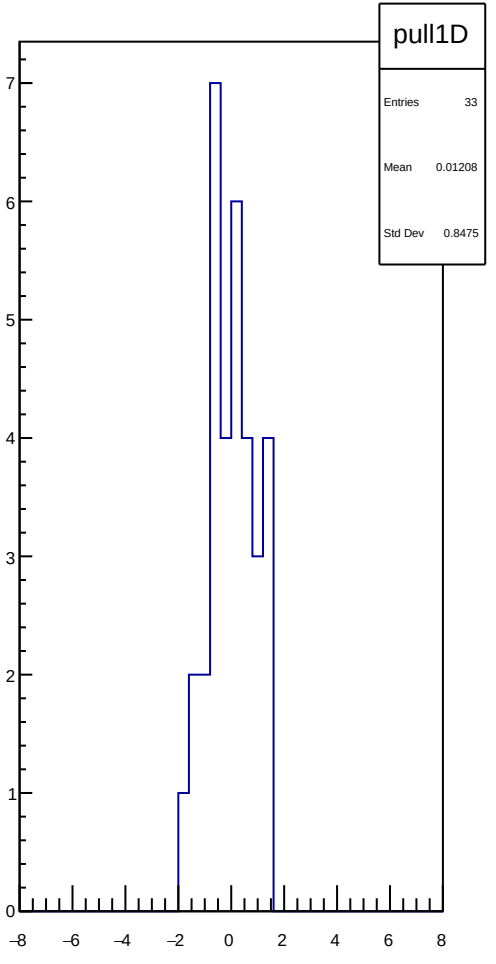

pull1D
Entries 33
Mean 0.01208
Std Dev 0.8475
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

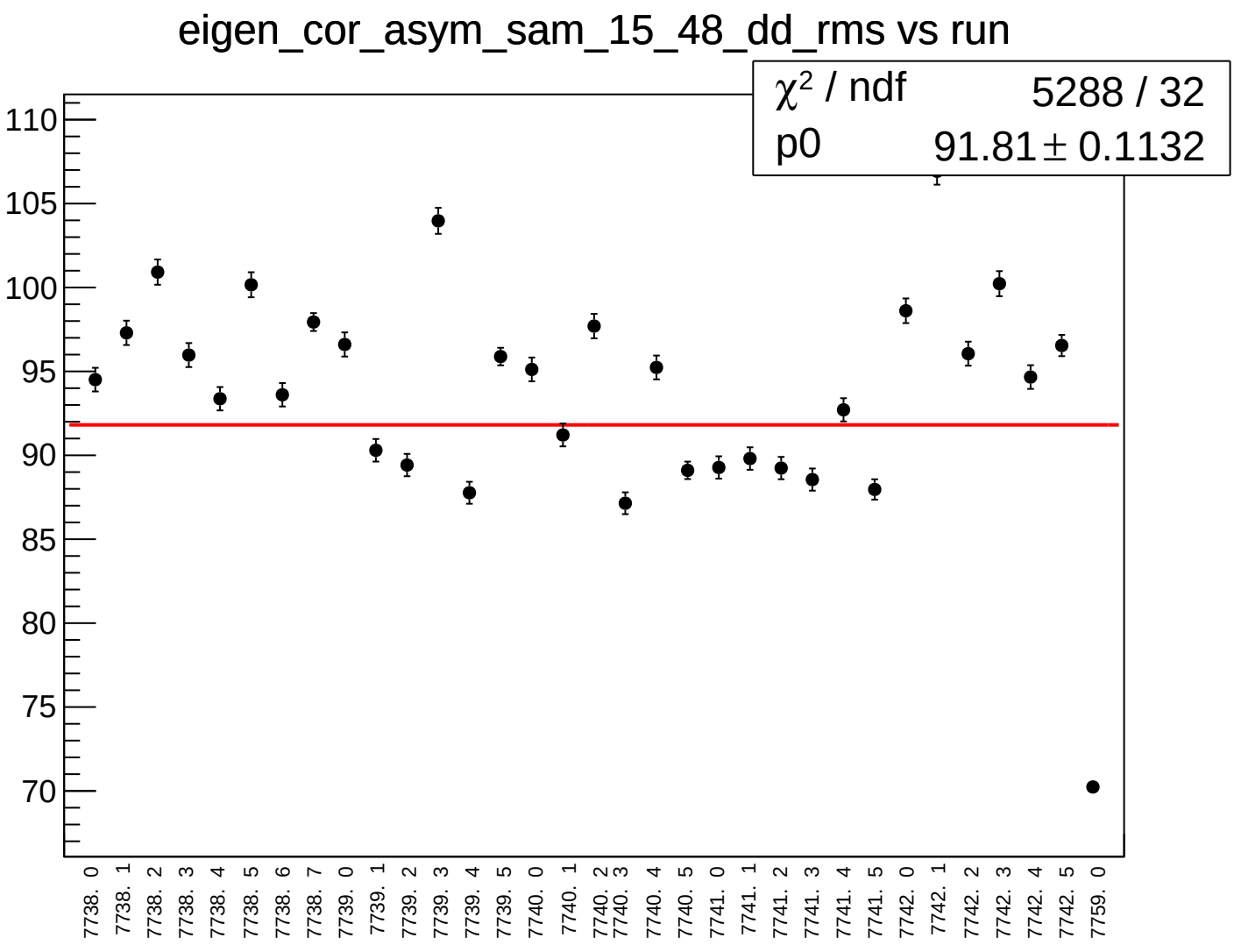

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 5288 / 32
p0 91.81 ± 0.1132
110
105
100
95
90
85
80
75
70
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

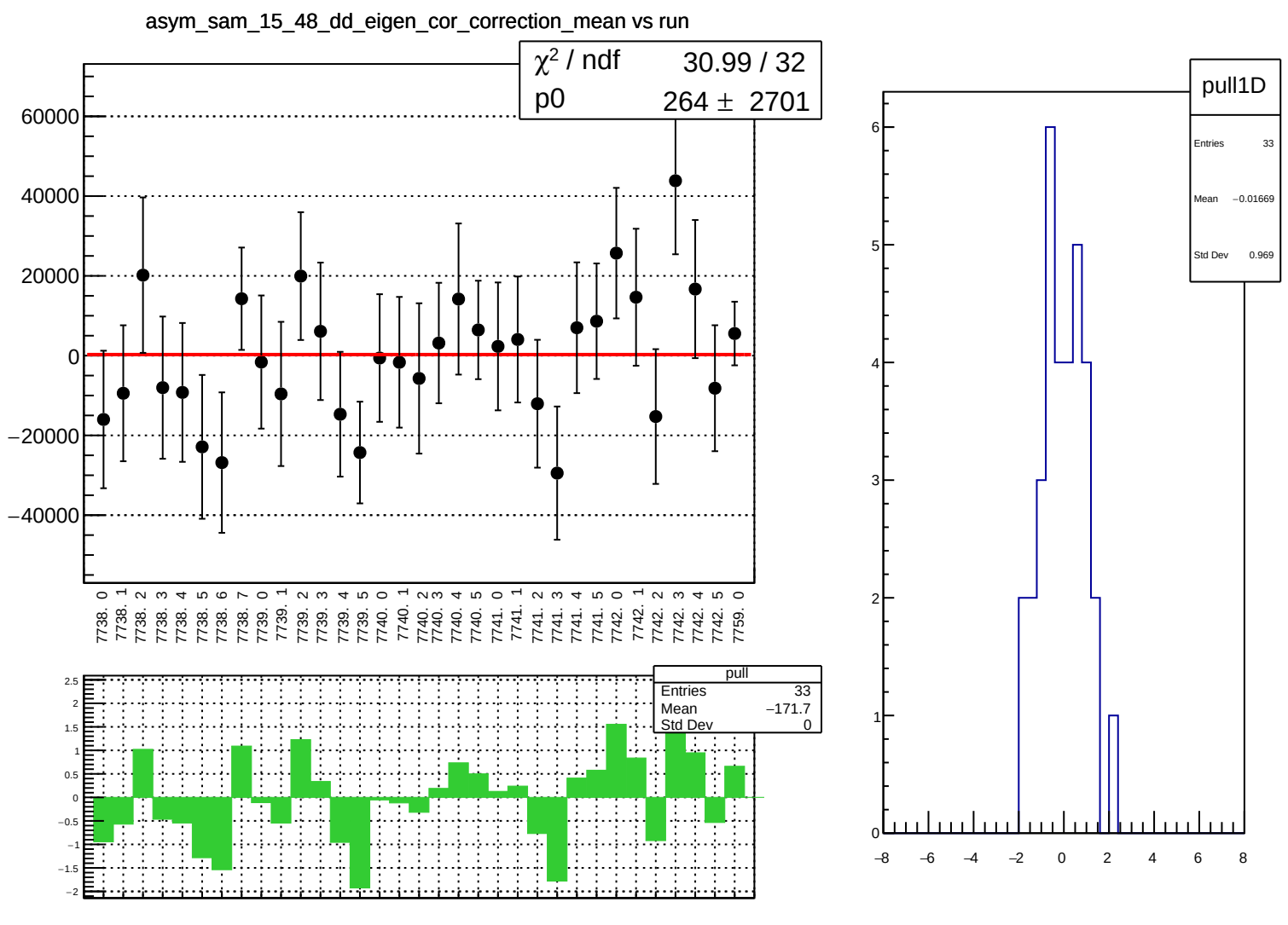

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 30.99 / 32
p0 264 ± 2701
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −171.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01669
Std Dev 0.969
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

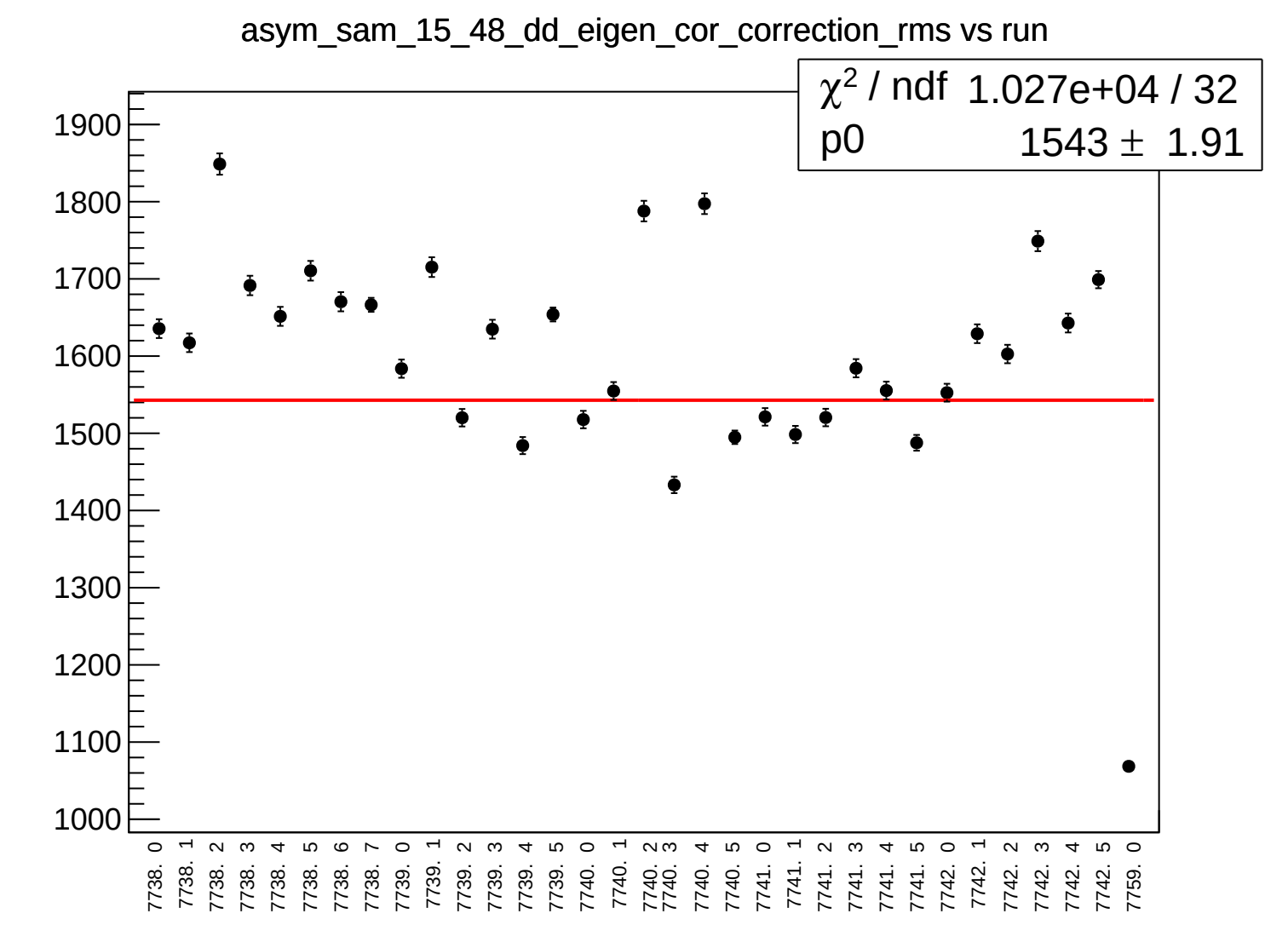

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 1.027e+04 / 32
p0 1543 ± 1.91
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

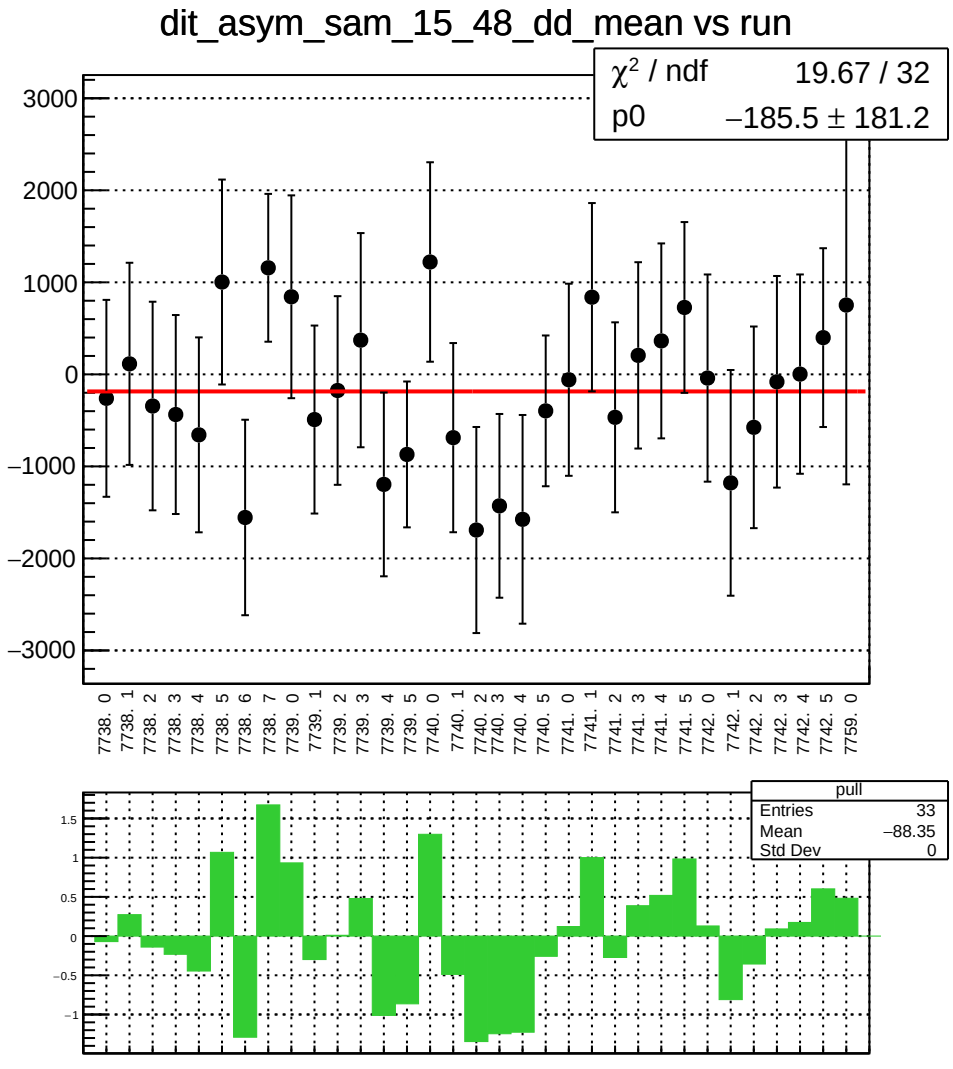

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 23.71 / 32
p0 −281.8 ± 160.1
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.53
Std Dev 25.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2

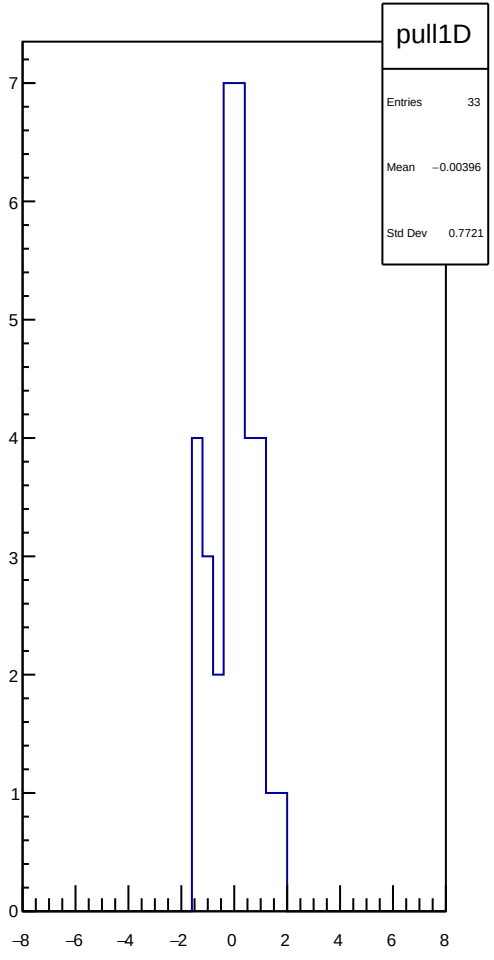

pull1D
Entries 33
Mean 0.01208
Std Dev 0.8475
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

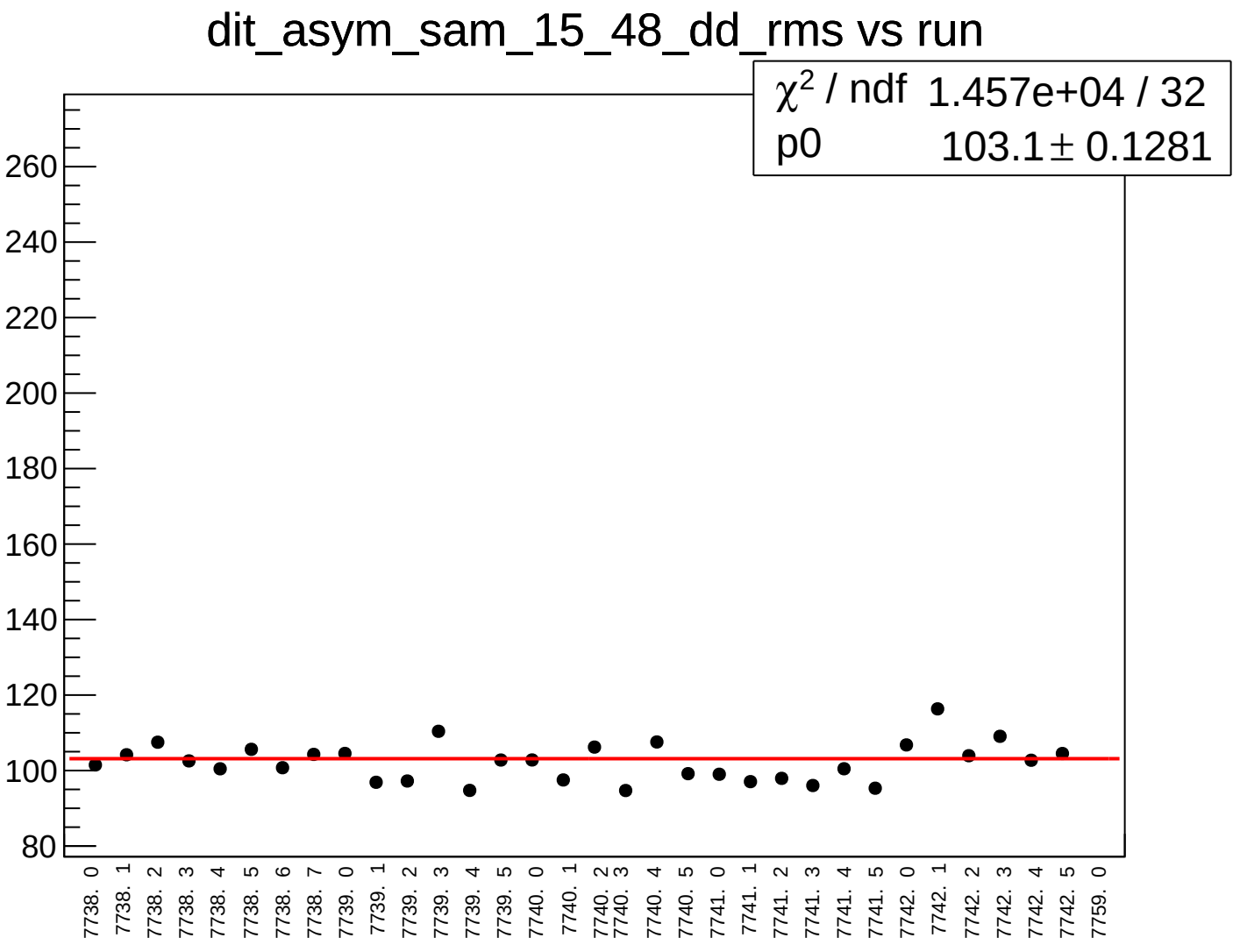

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 5288 / 32
p0 91.81 ± 0.1132
110
105
100
95
90
85
80
75
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

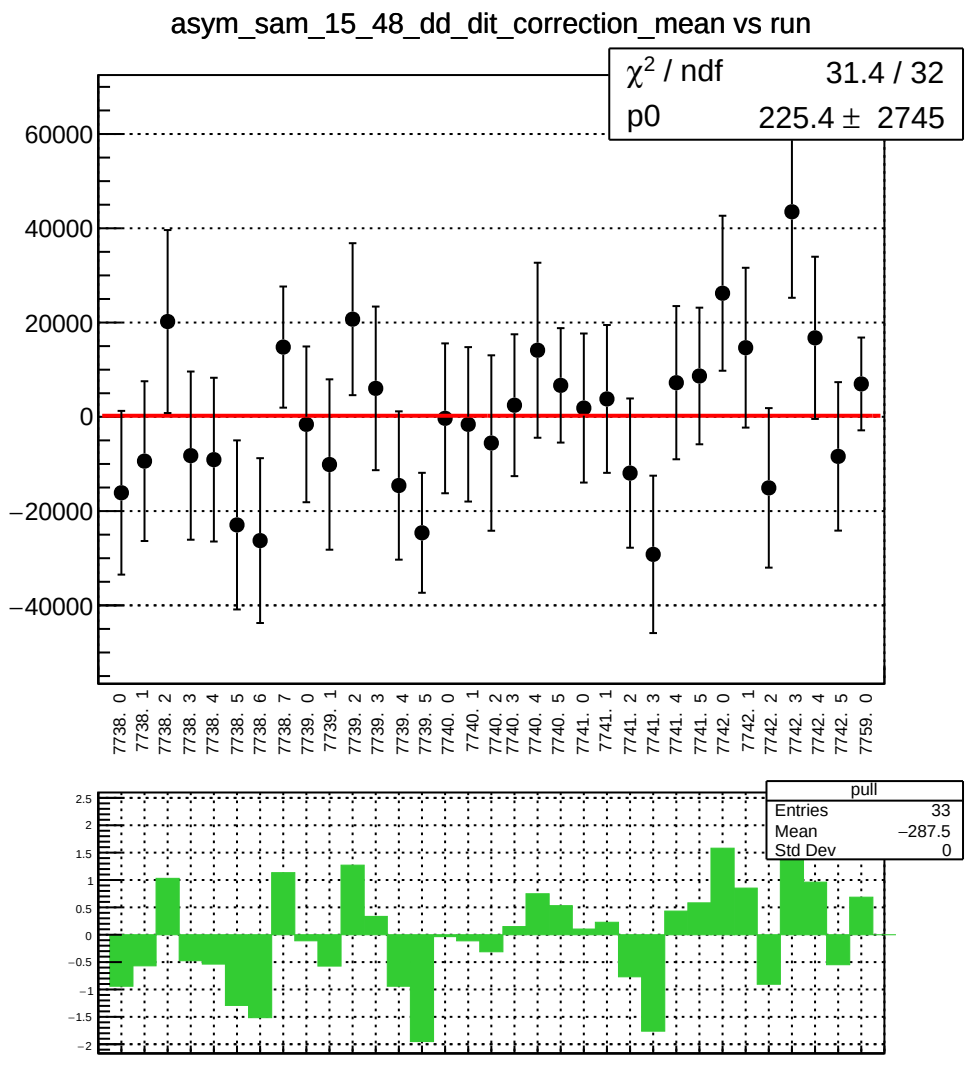

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.99 / 32
p0 264 ± 2701
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −171.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01669
Std Dev 0.969
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

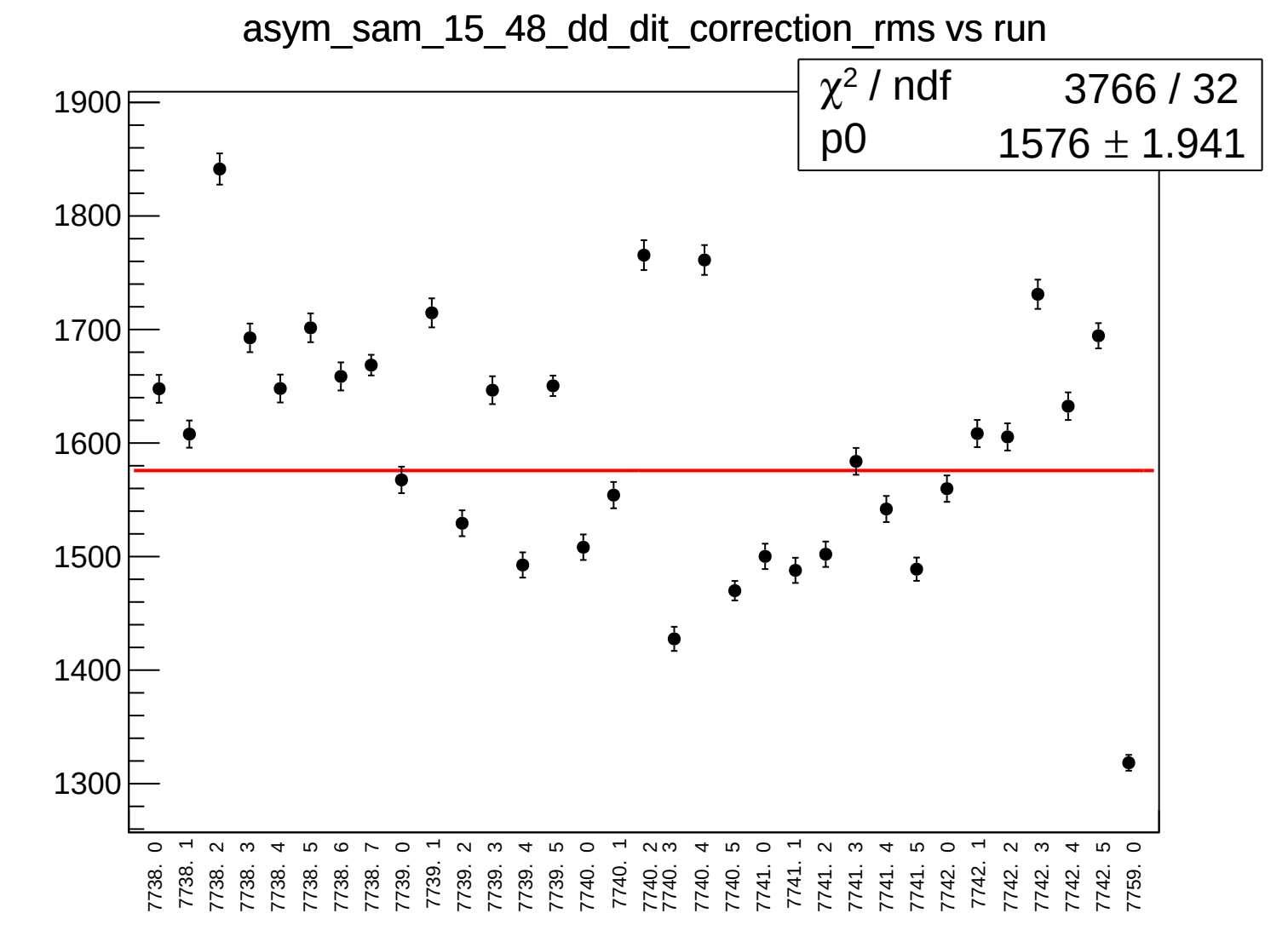

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.027e+04 / 32
p0 1543 ± 1.91
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

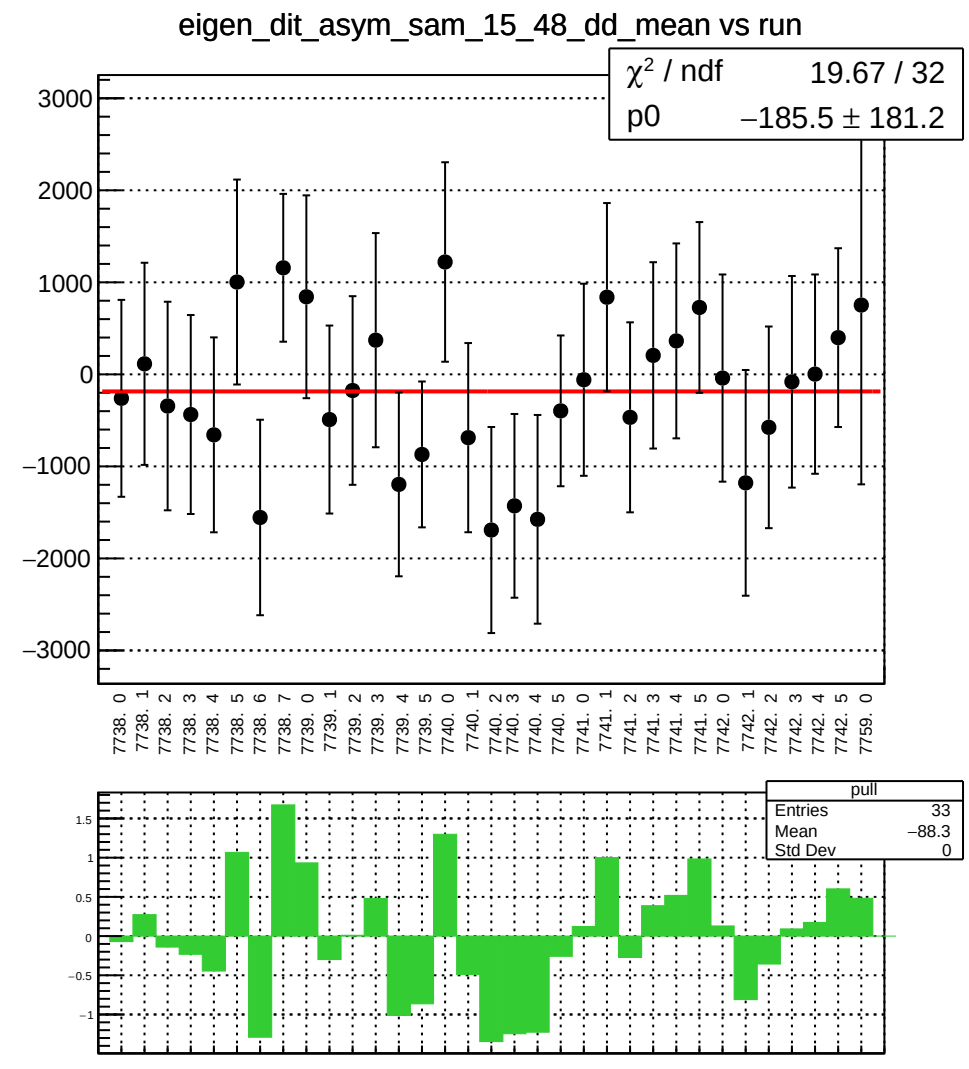

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 19.67 / 32
p0 −185.5 ± 181.2
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −88.35
Std Dev 0
1.5
1
0.5
0
−0.5
−1

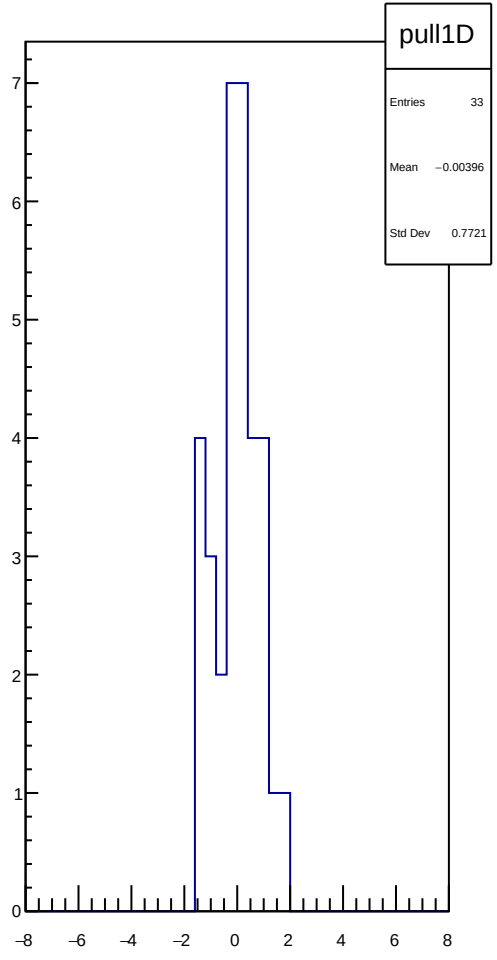

pull1D
Entries 33
Mean −0.00396
Std Dev 0.7721
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

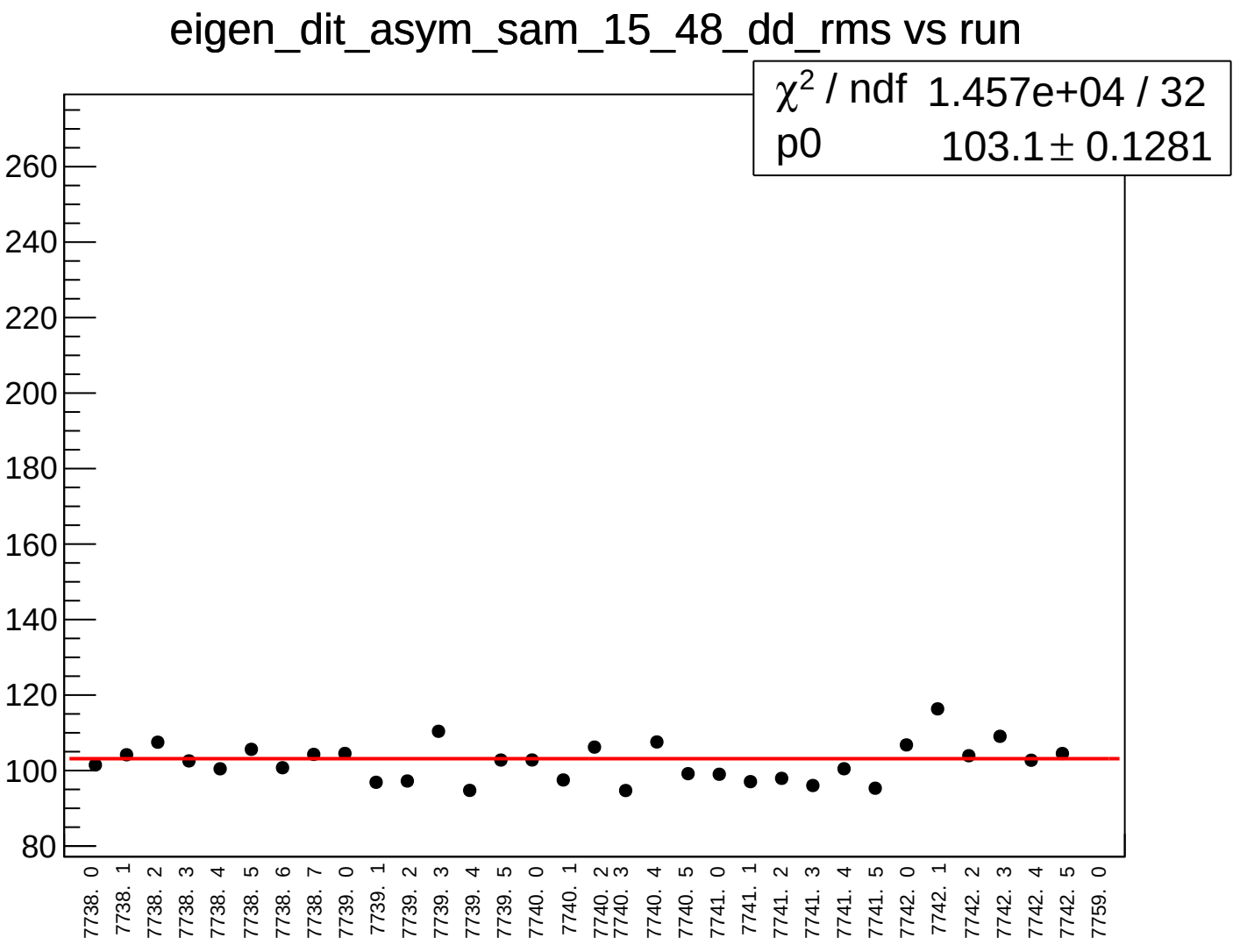

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.457e+04 / 32
p0 103.1 ± 0.1281
260
240
220
200
180
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

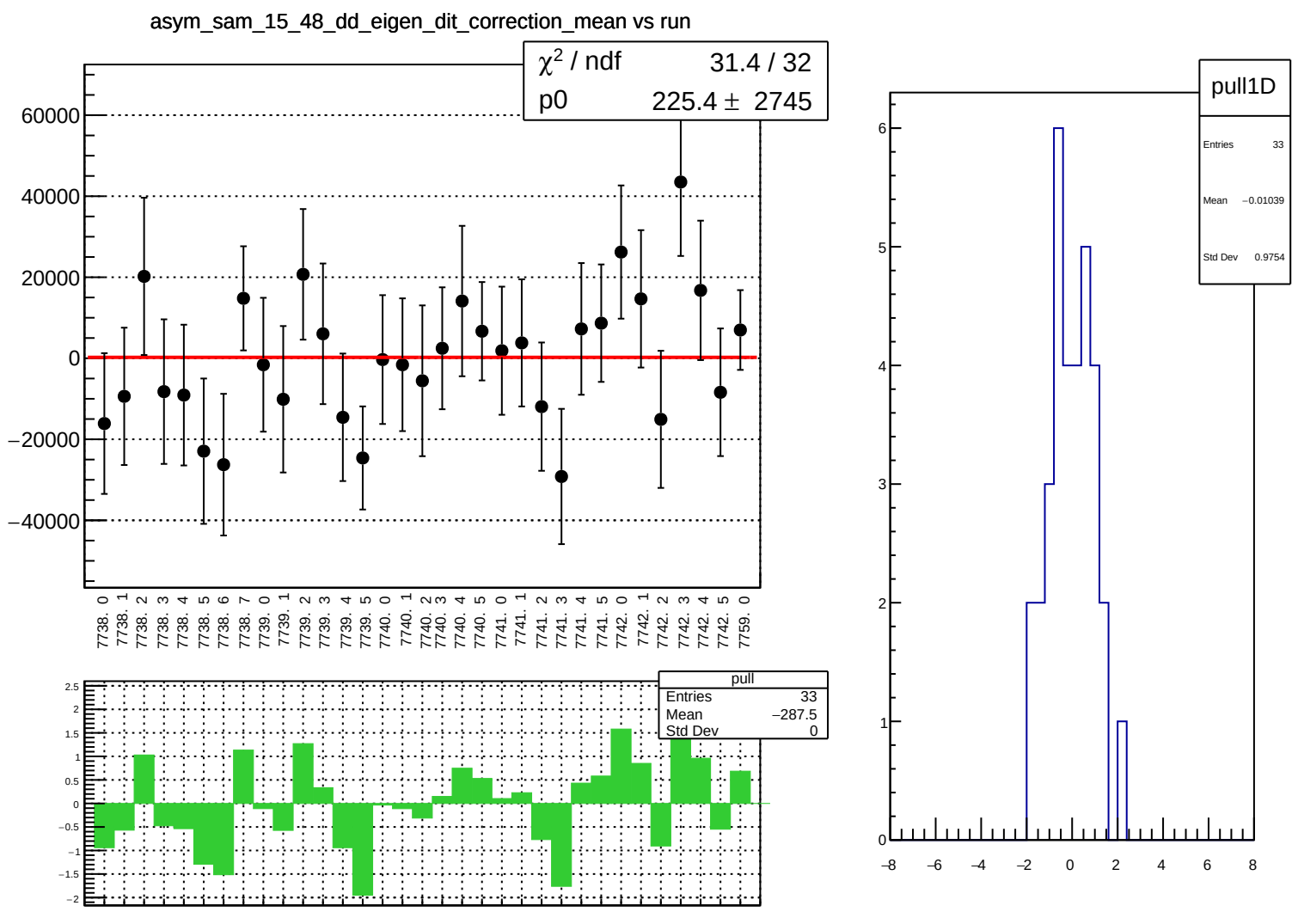

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 31.4 / 32
p0 225.4 ± 2745
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −287.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01039
Std Dev 0.9754
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

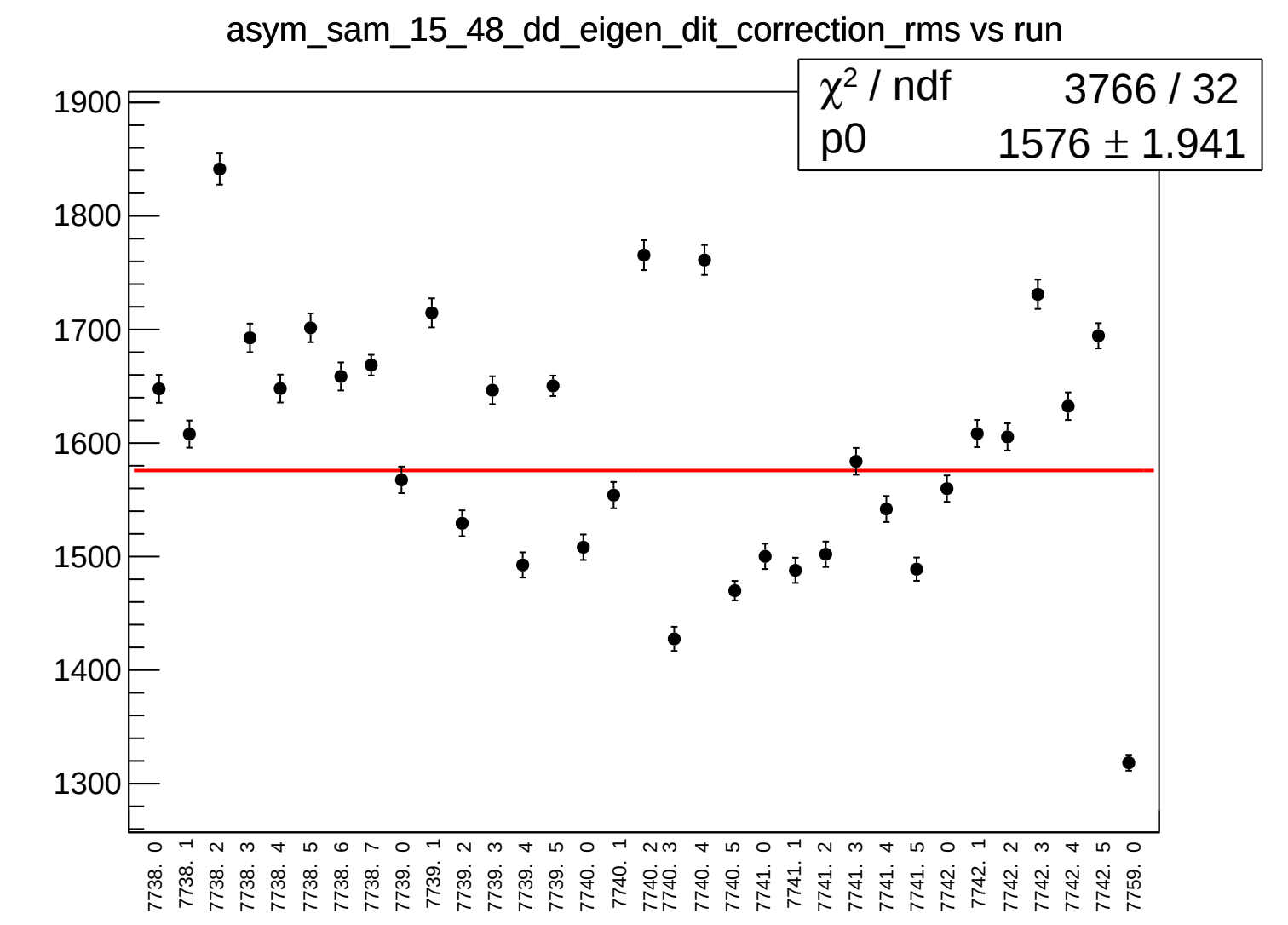

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 3766 / 32
p0 1576 ± 1.941
1900
1800
1700
1600
1500
1400
1300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

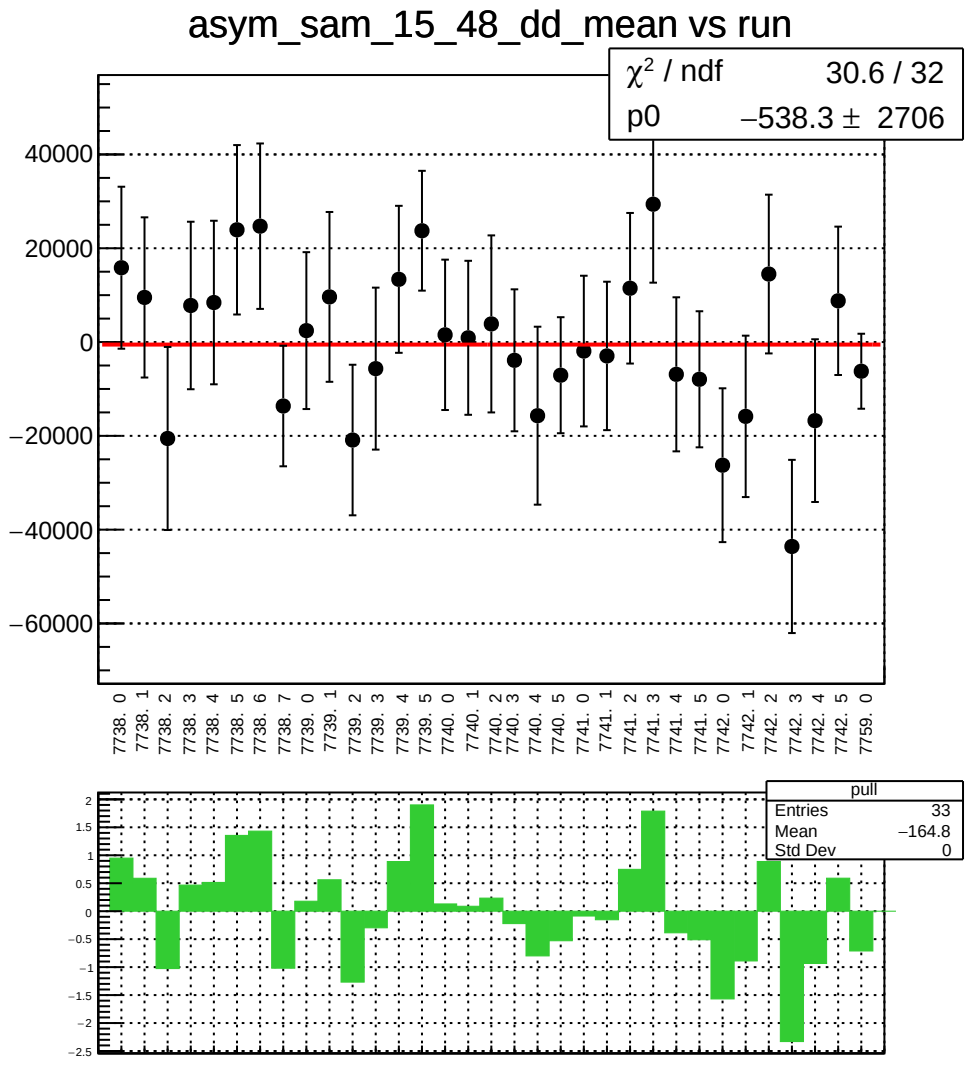

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 19.67 / 32
p0 −185.5 ± 181.2
3000
2000
1000
0
−1000
−2000
−3000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −88.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1

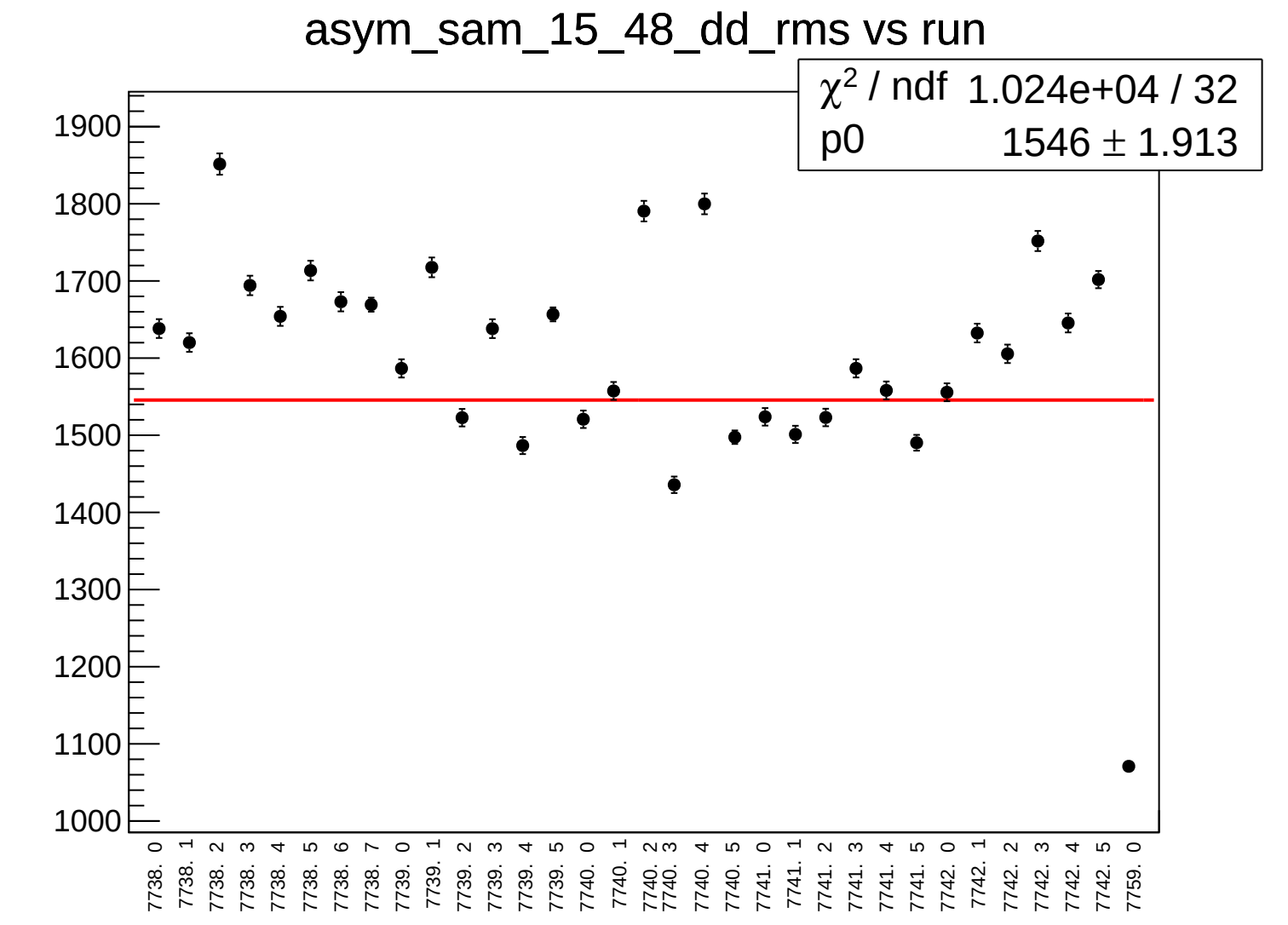

pull1D
Entries 33
Mean −0.00396
Std Dev 0.7721
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

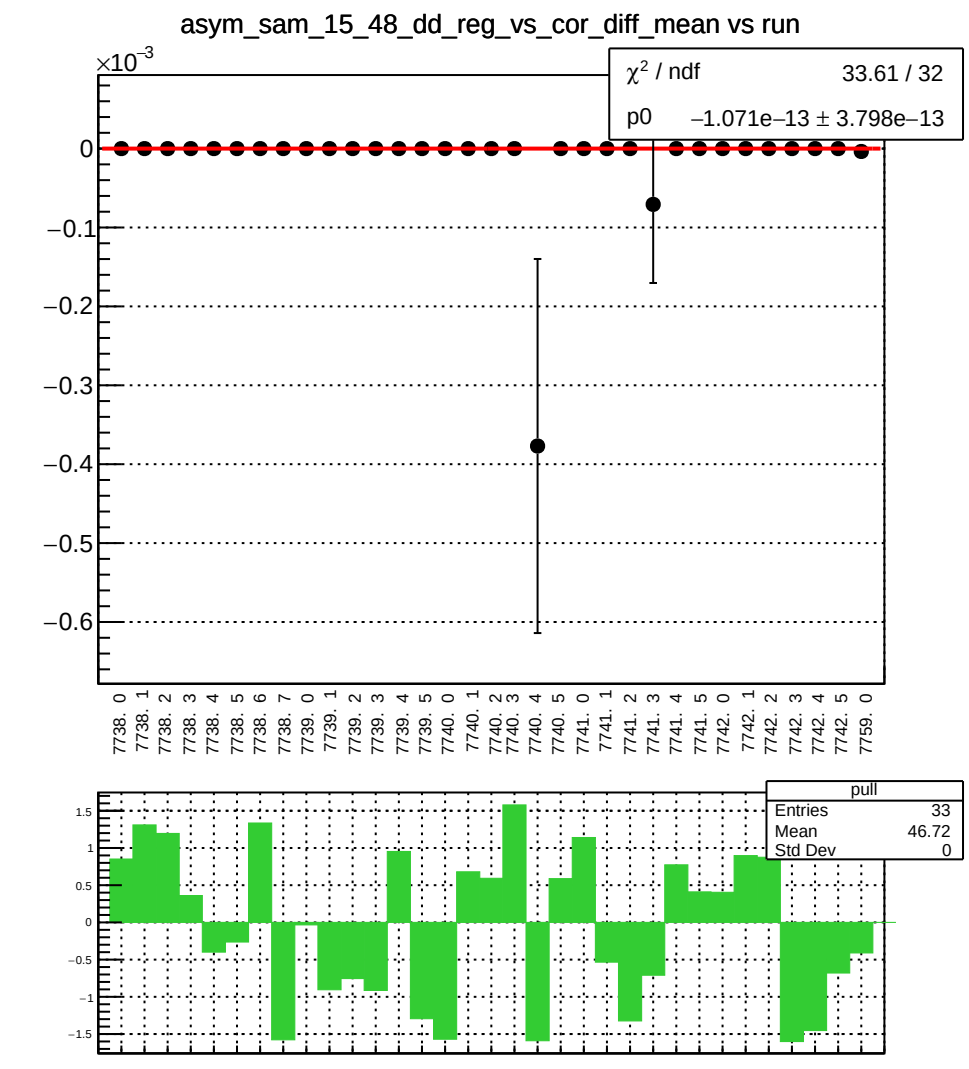

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.457e+04 / 32
p0 103.1 ± 0.1281
260
240
220
200
180
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

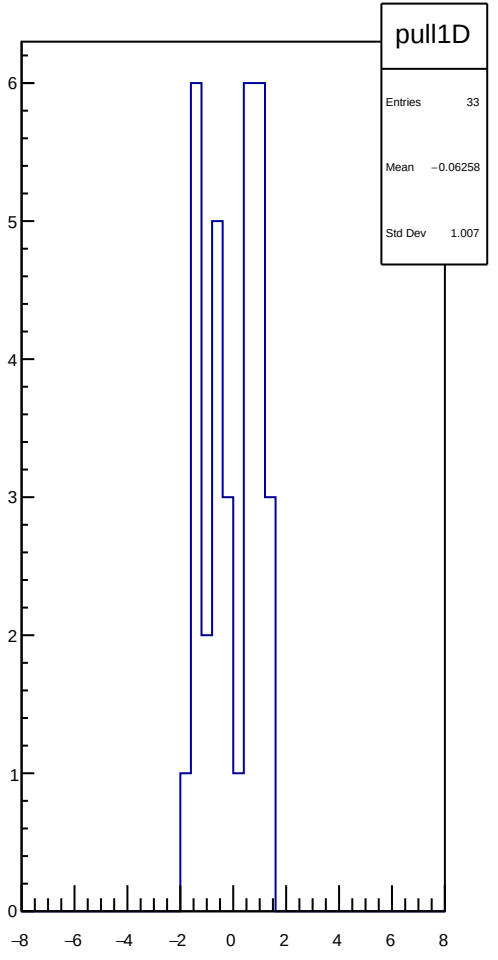

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 31.4 / 32
p0 225.4 ± 2745
60000
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −287.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01039
Std Dev 0.9754
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

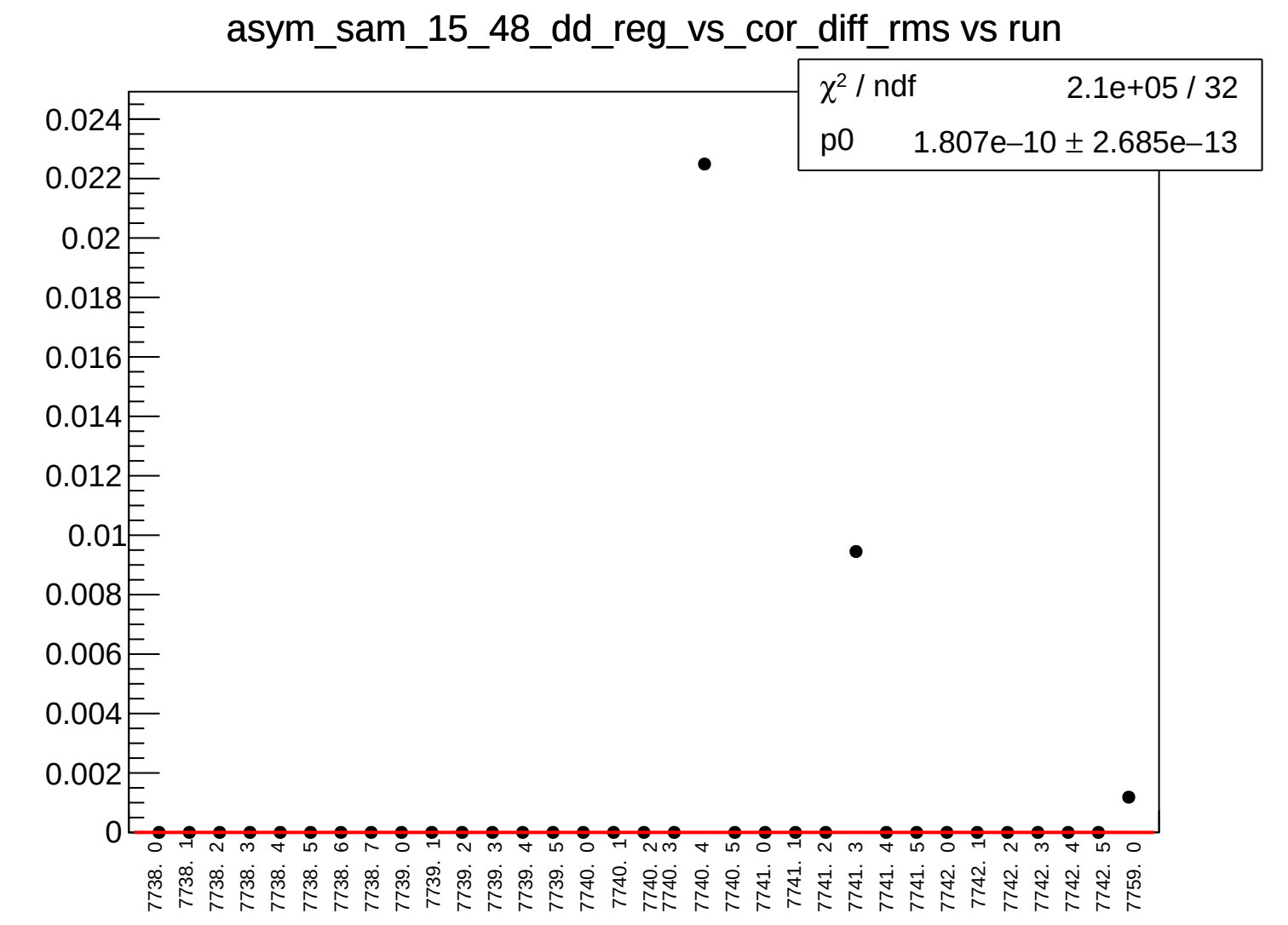

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3766 / 32
p0 1576 ± 1.941
1900
1800
1700
1600
1500
1400
1300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

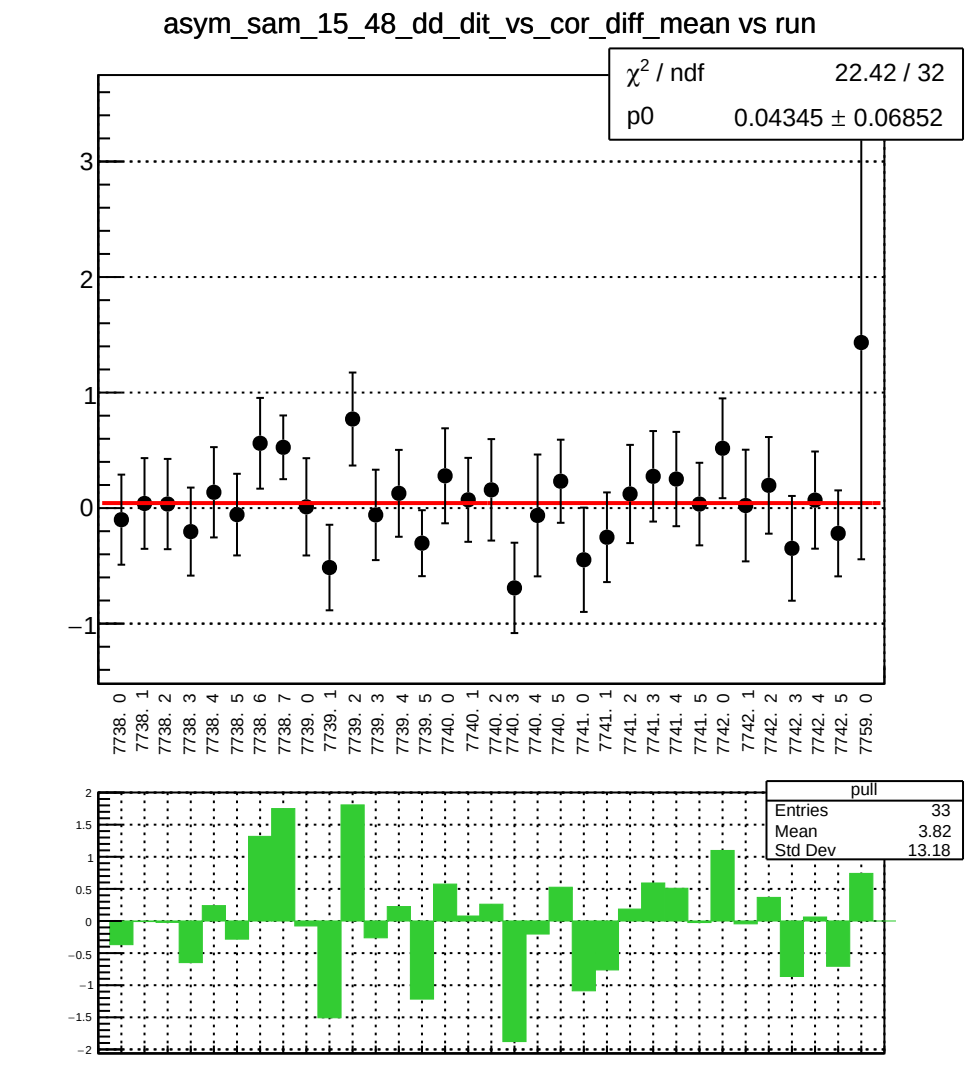

asym_sam_15_48_dd_mean vs run
χ² / ndf 30.6 / 32
p0 −538.3 ± 2706
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −164.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01733
Std Dev 0.9627
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

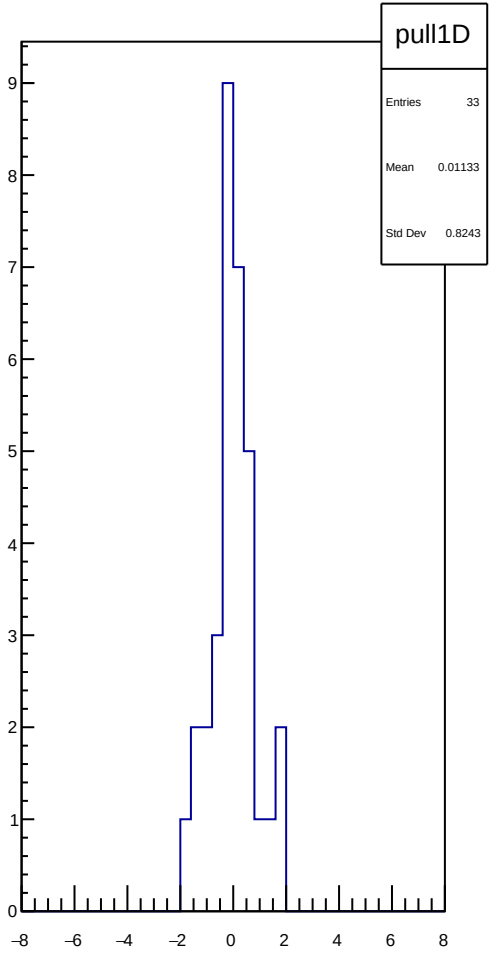

asym_sam_15_48_dd_rms vs run
χ² / ndf 1.024e+04 / 32
p0 1546 ± 1.913
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

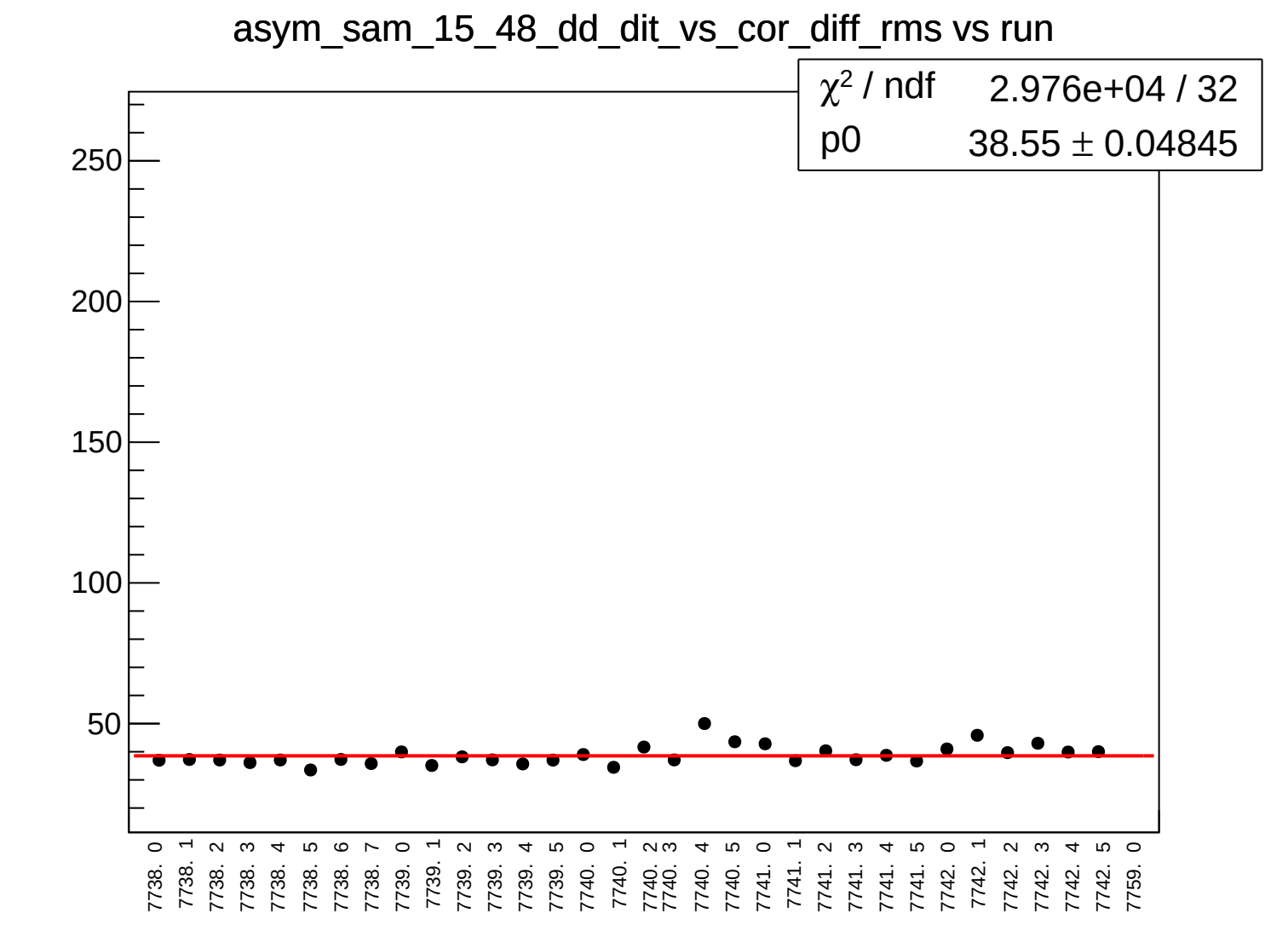

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 33.61 / 32
p0 −1.071e−13 ± 3.798e−13
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 46.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

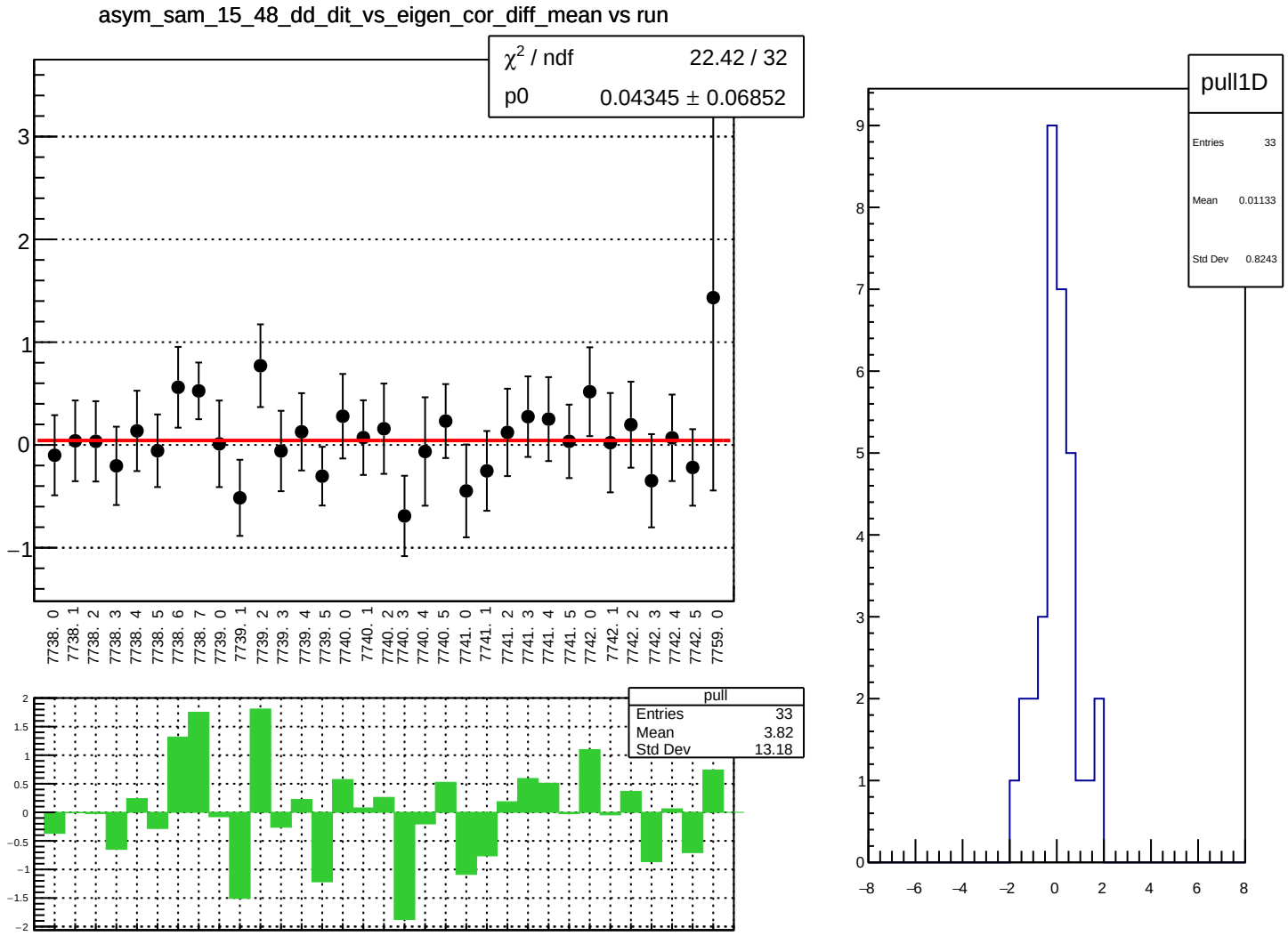

pull1D
Entries 33
Mean −0.06258
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

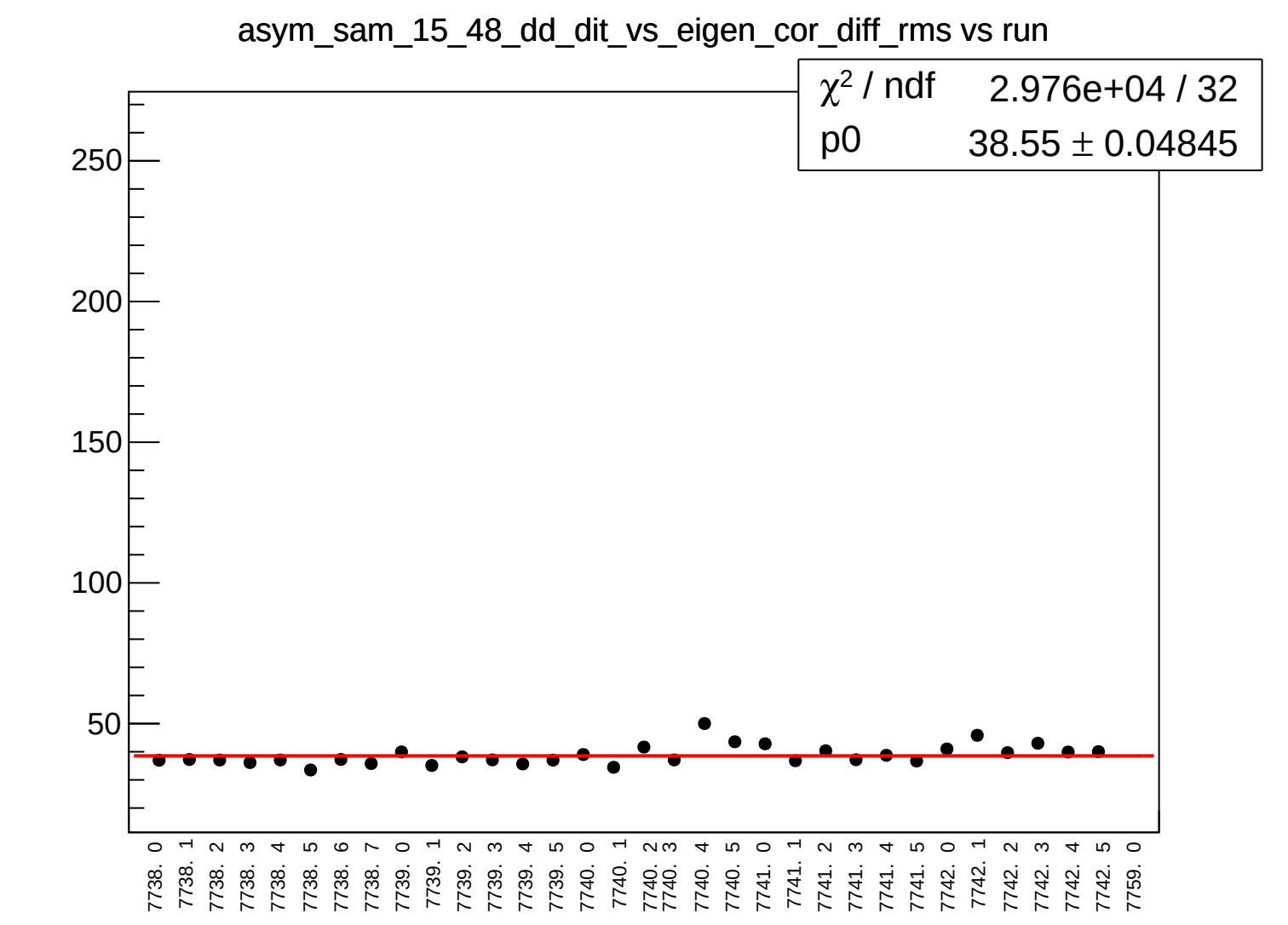

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.1e+05 / 32
p0 1.807e−10 ± 2.685e−13
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

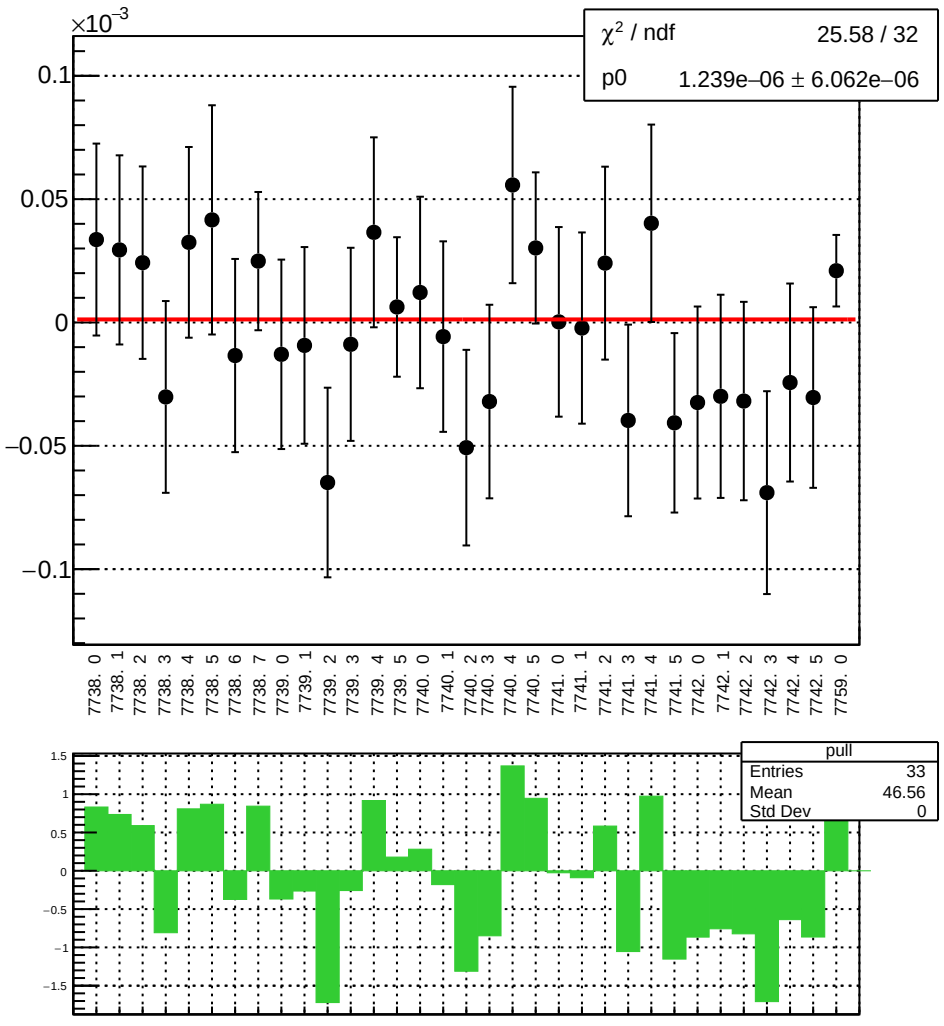

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 22.42 / 32
p0 0.04345 ± 0.06852
3
2
1
0
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.82
Std Dev 13.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

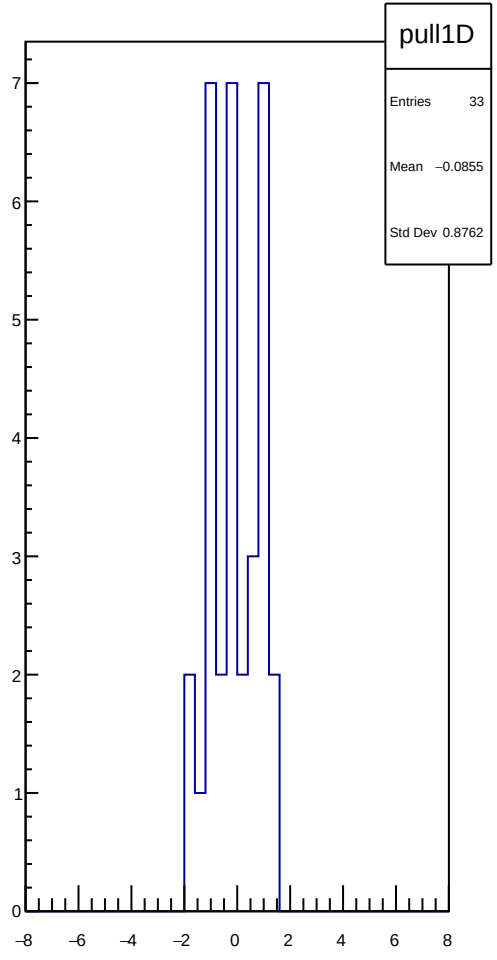

pull1D
Entries 33
Mean 0.01133
Std Dev 0.8243
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

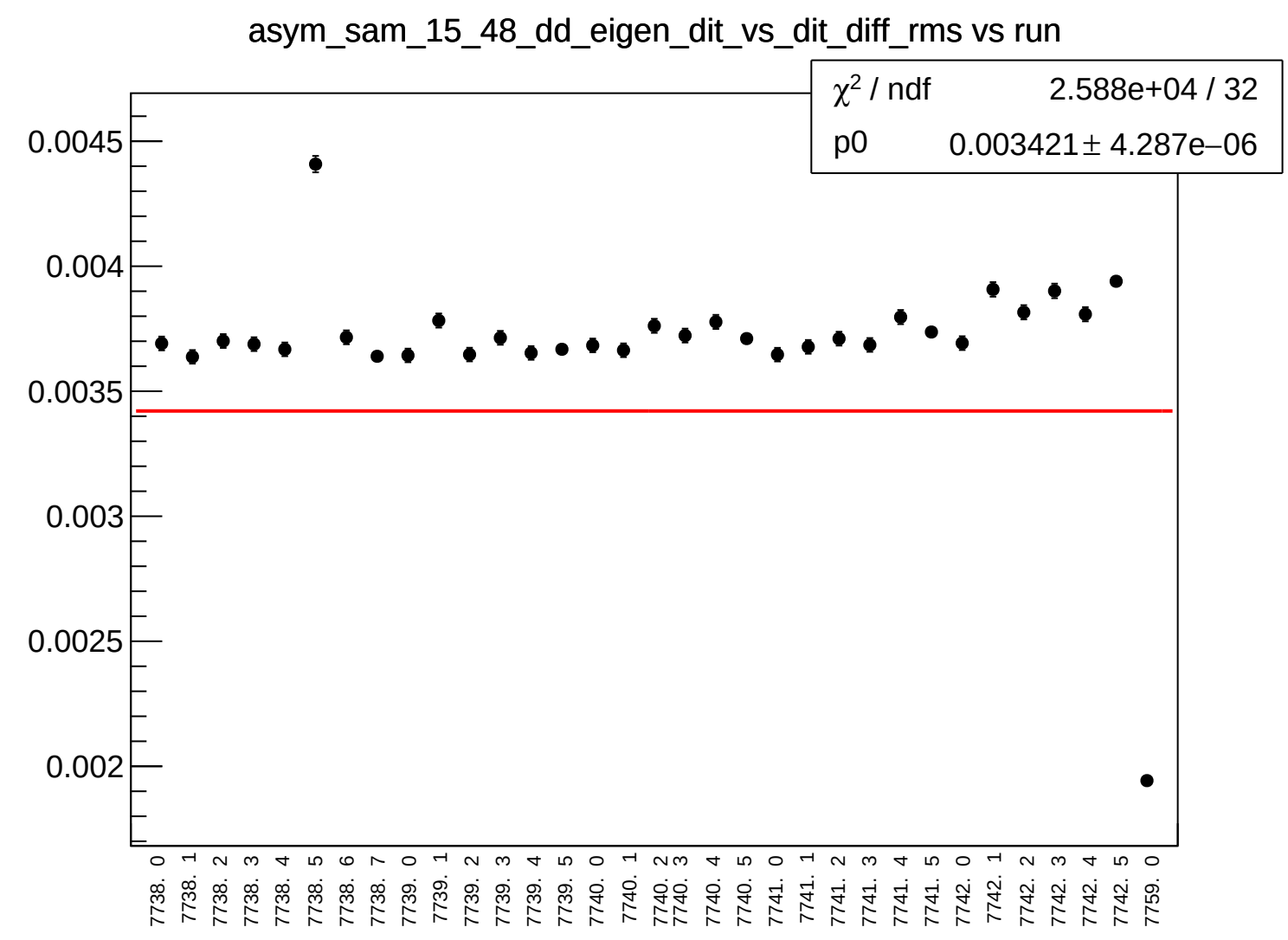

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.976e+04 / 32
p0 38.55 ± 0.04845
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

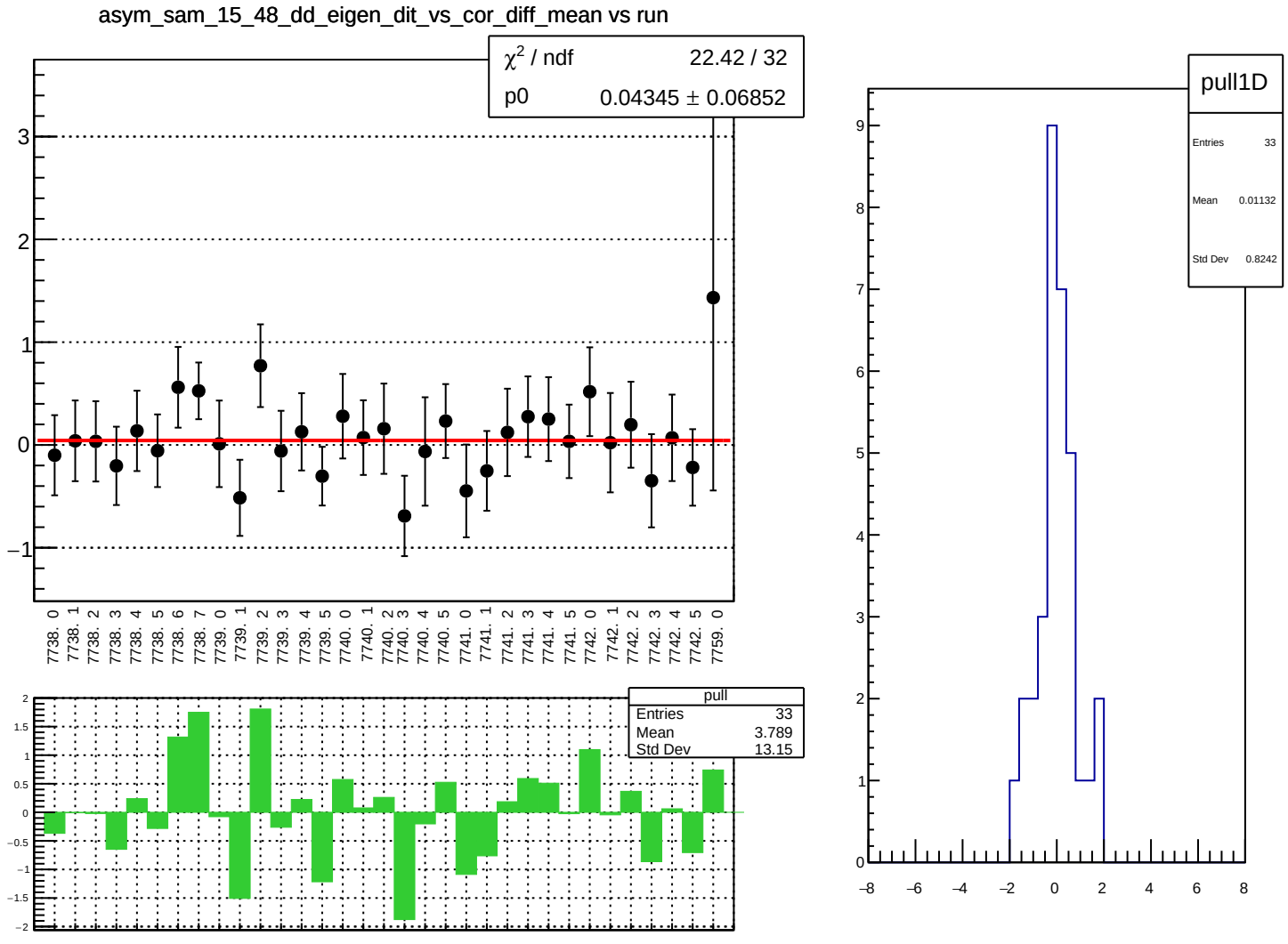

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.42 / 32
p0 0.04345 ± 0.06852
3
2
1
0
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.82
Std Dev 13.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01133
Std Dev 0.8243
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

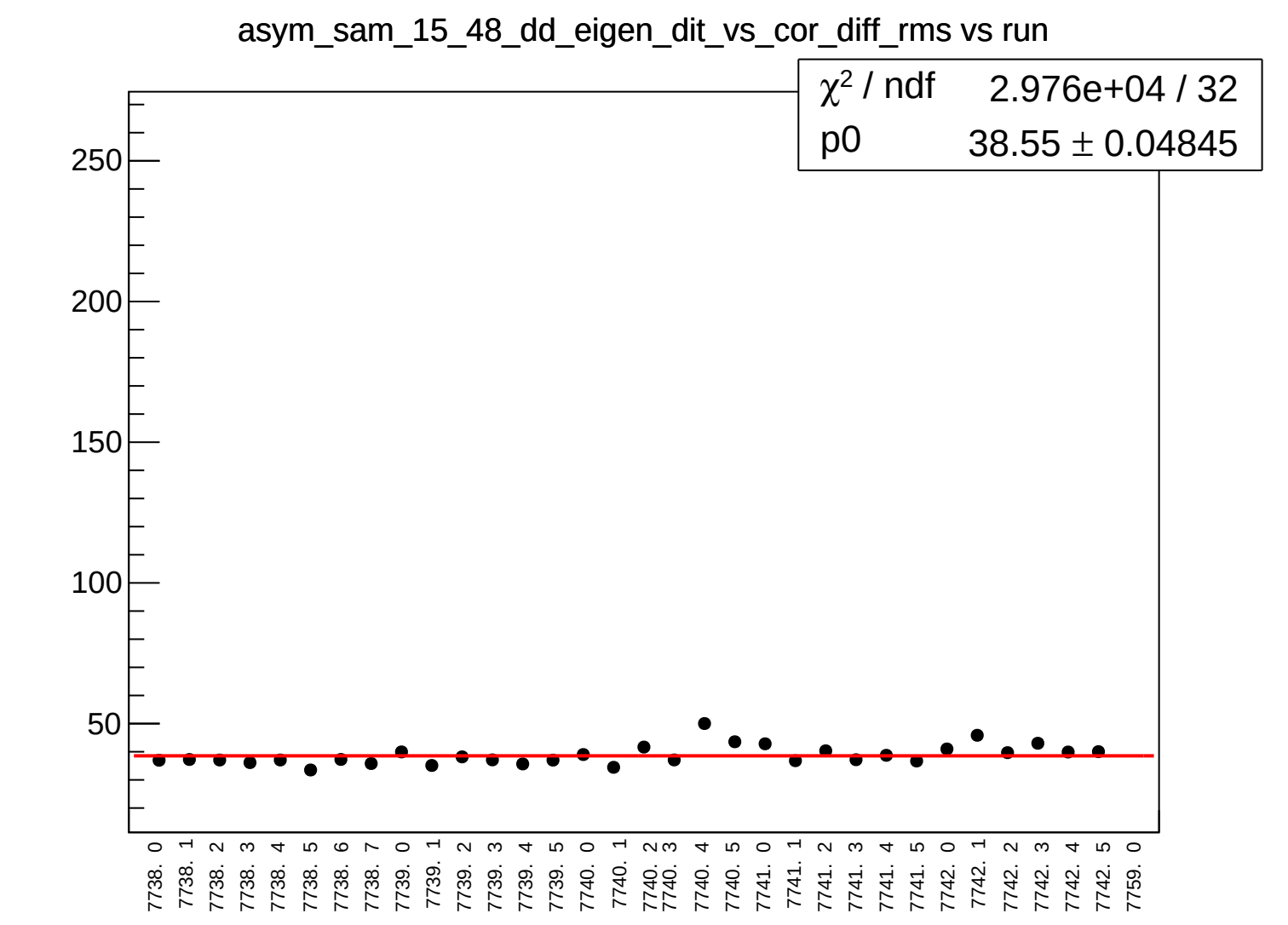

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.976e+04 / 32
p0 38.55 ± 0.04845
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

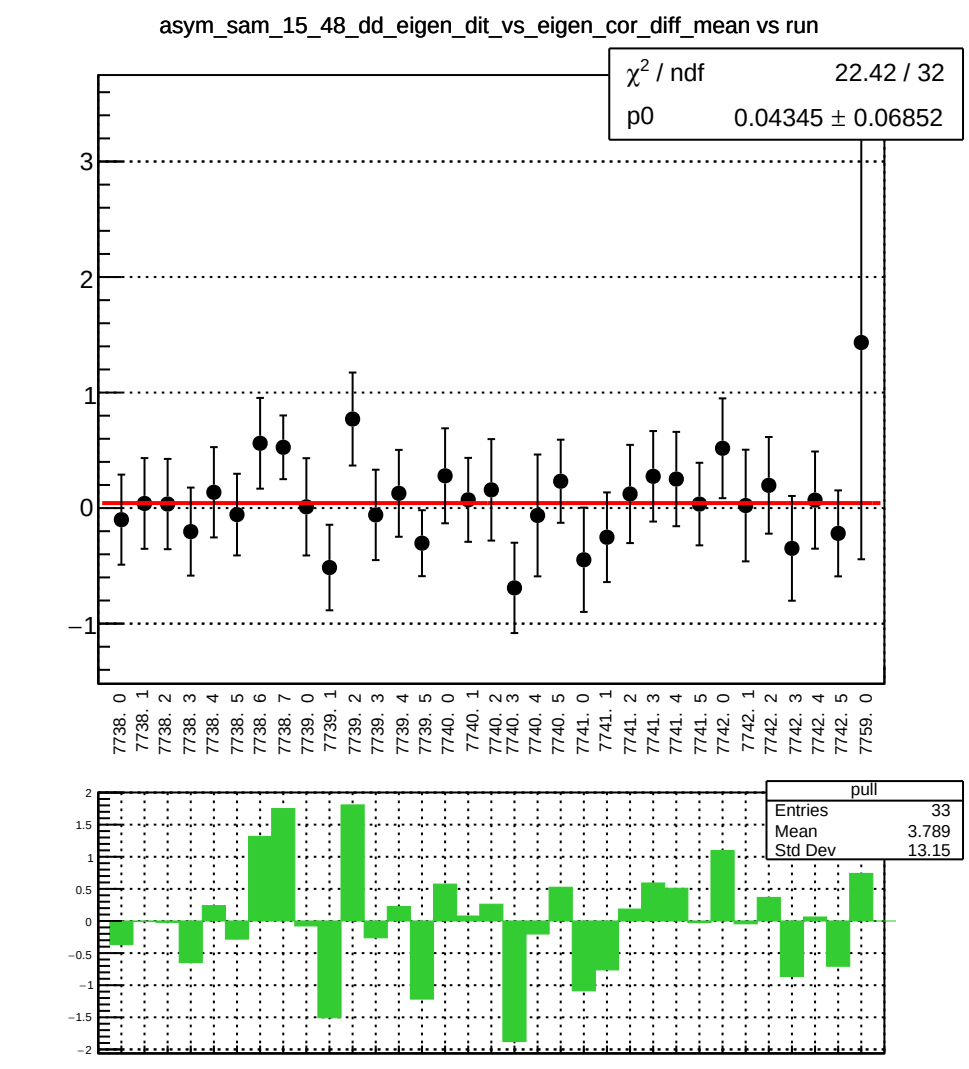

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 25.58 / 32
p0 1.239e−06 ± 6.062e−06
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 46.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

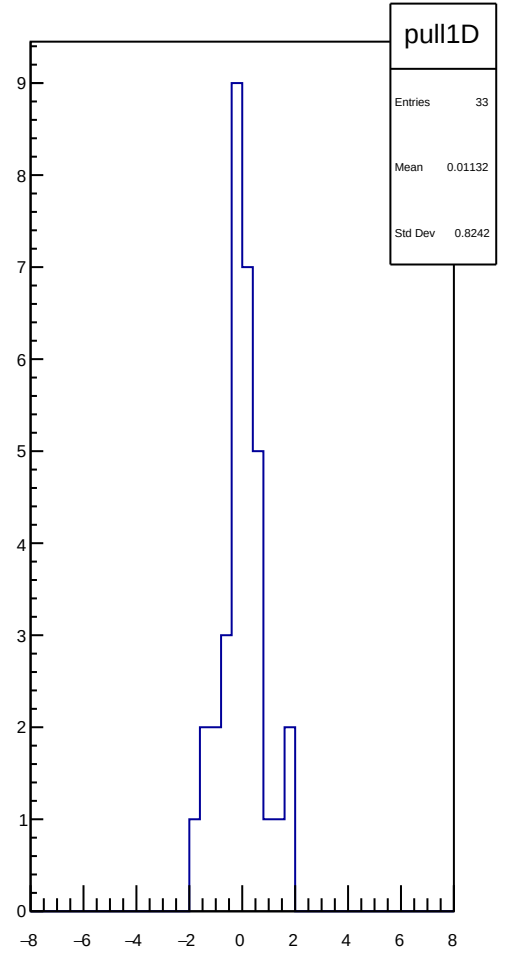

pull1D
Entries 33
Mean −0.0855
Std Dev 0.8762
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

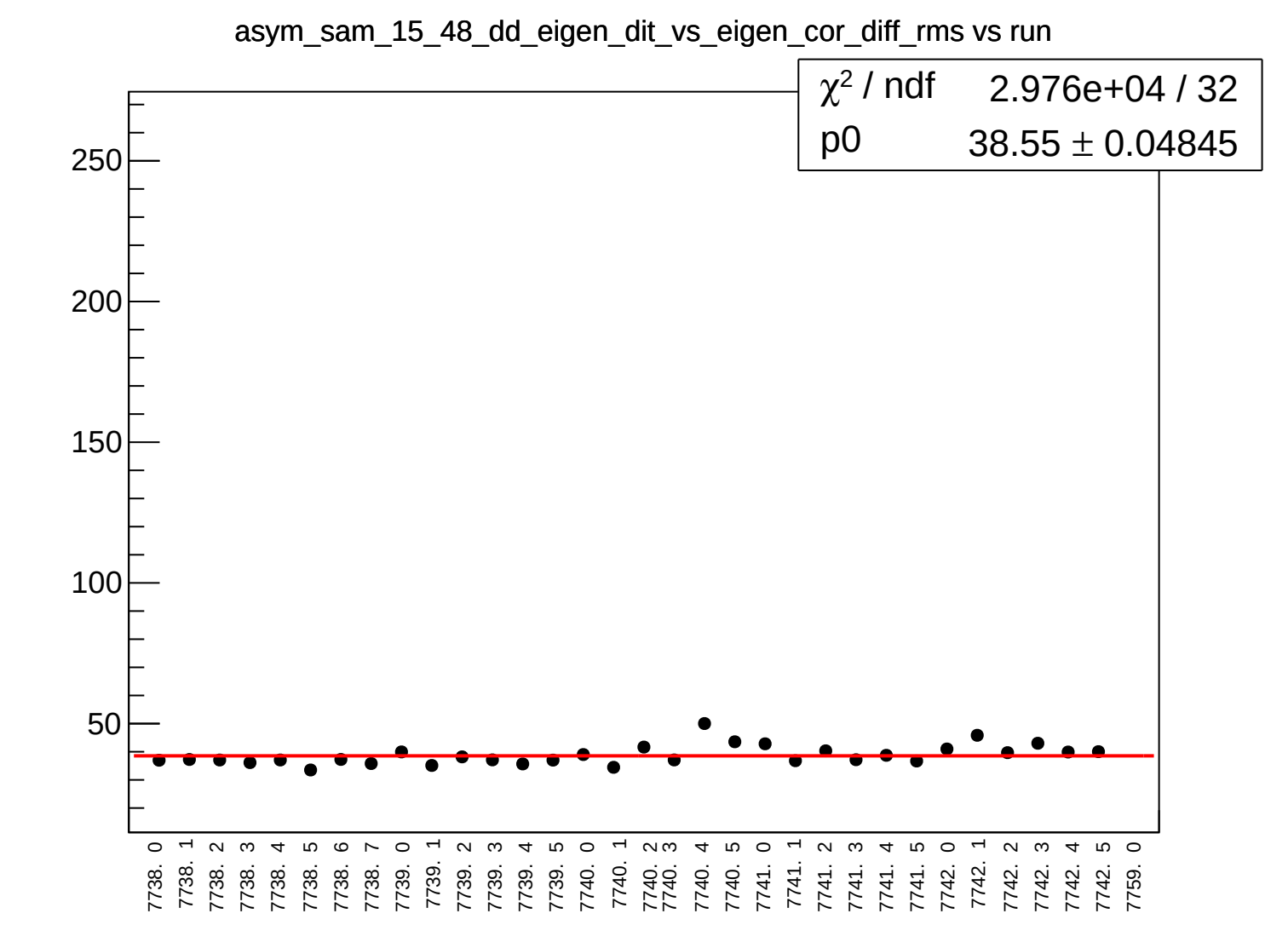

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.588e+04 / 32
p0 0.003421 ± 4.287e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

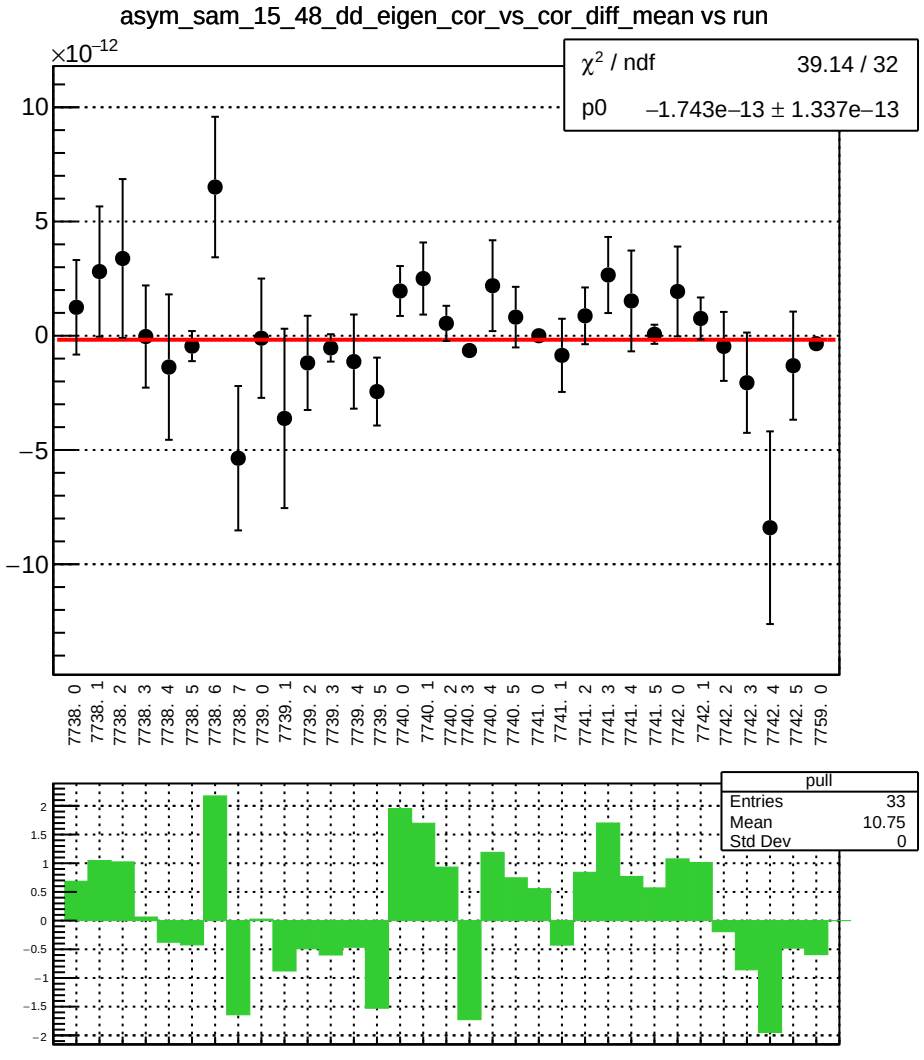

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 22.42 / 32
p0 0.04345 ± 0.06852
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.789
Std Dev 13.15
pull1D
Entries 33
Mean 0.01132
Std Dev 0.8242

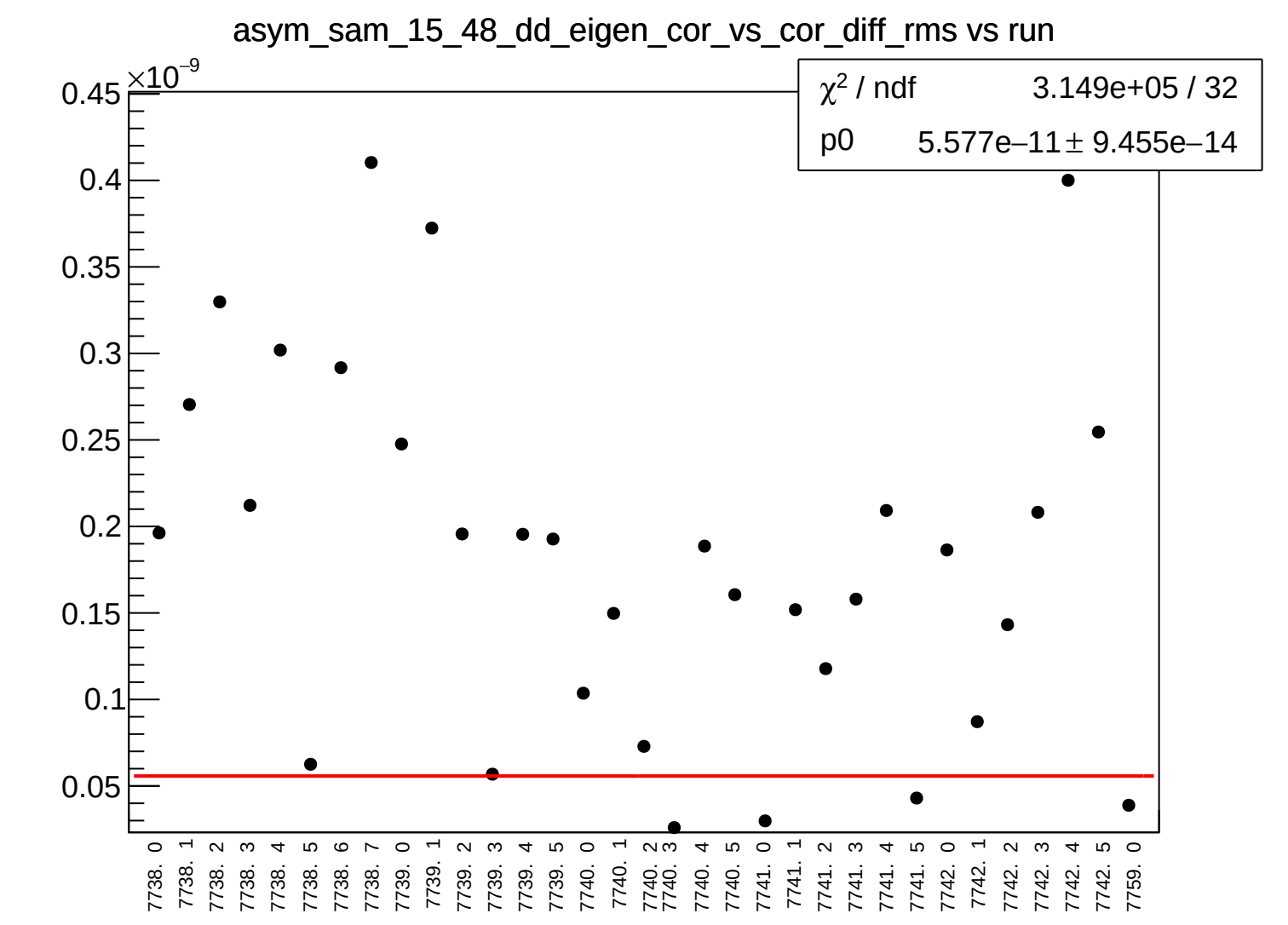

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.976e+04 / 32
p0 38.55 ± 0.04845
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

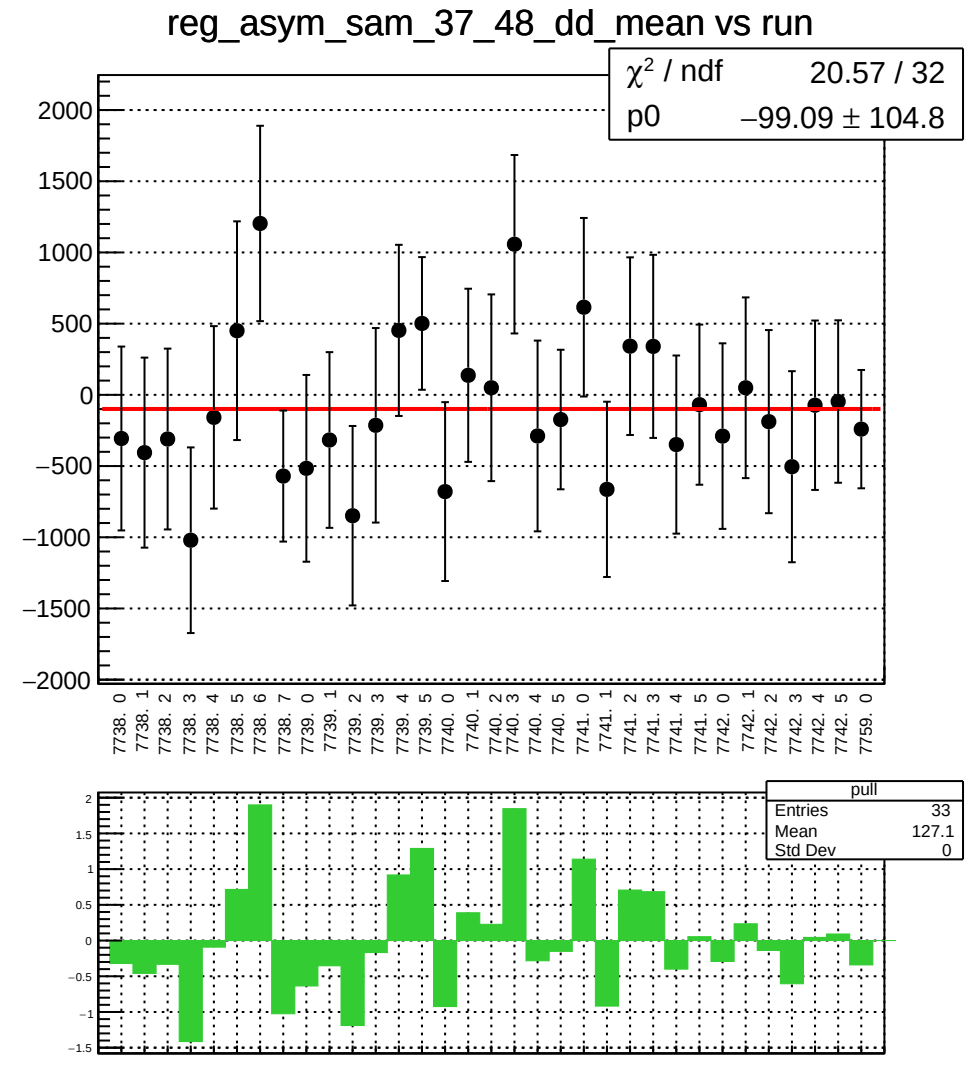

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.42 / 32
p0 0.04345 ± 0.06852
3
2
1
0
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.789
Std Dev 13.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

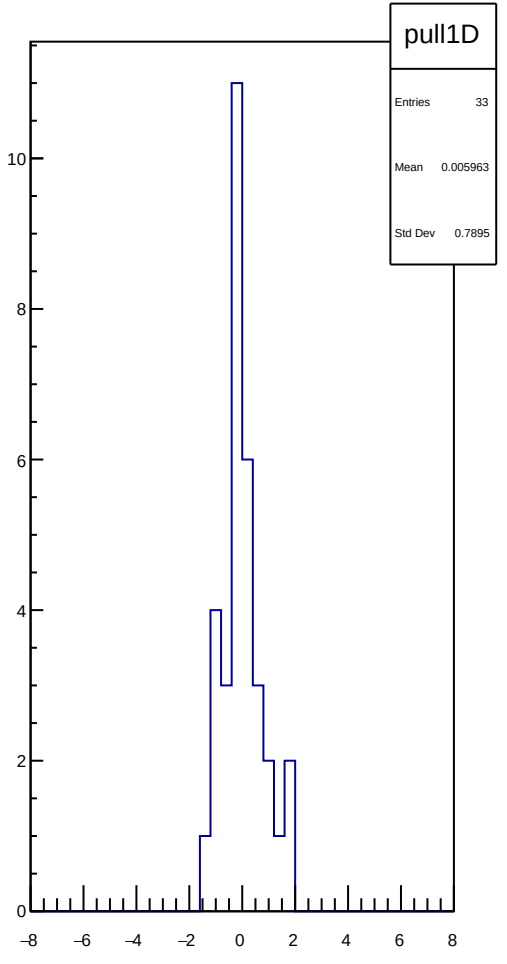

pull1D
Entries 33
Mean 0.01132
Std Dev 0.8242
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

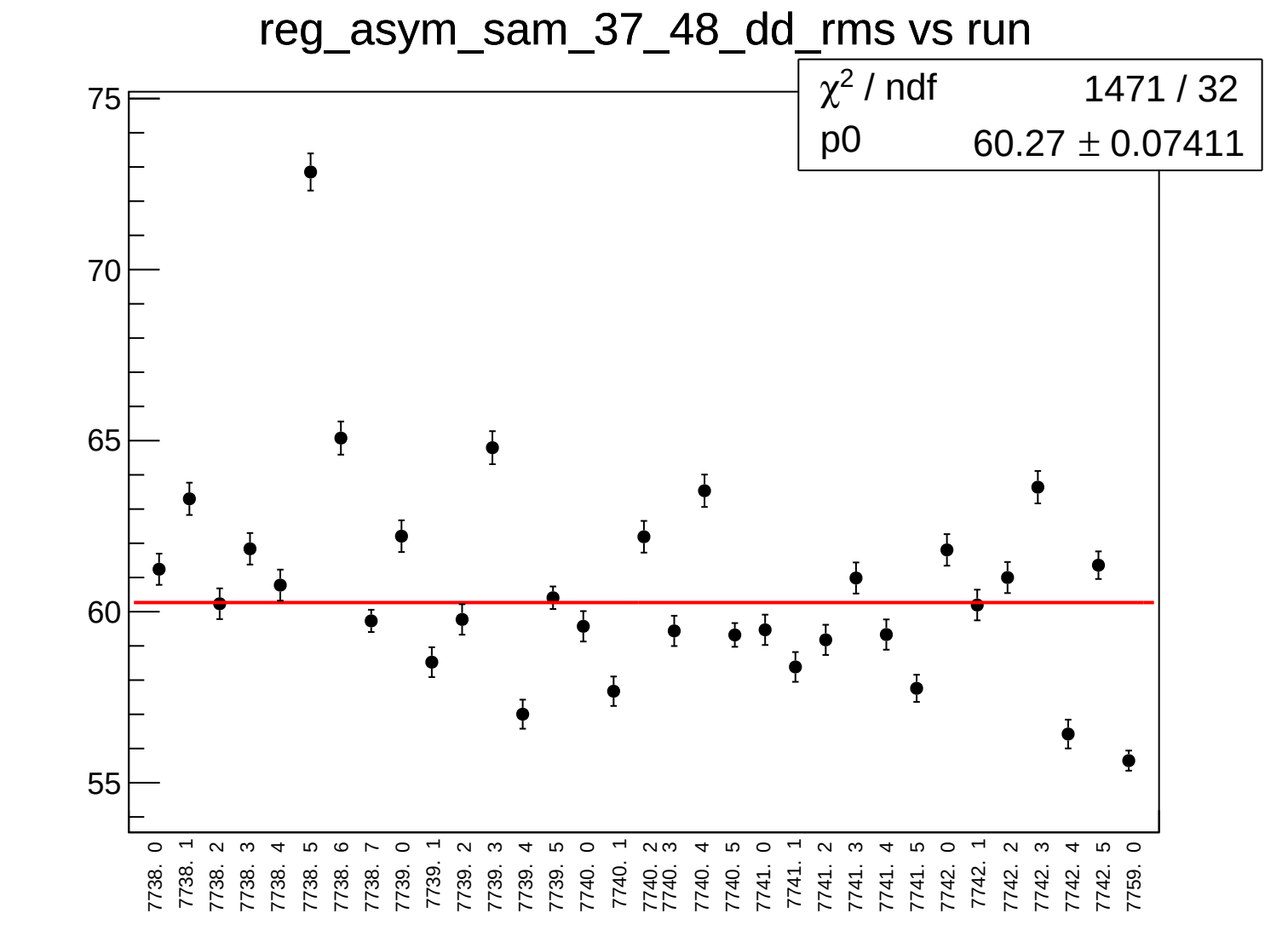

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.976e+04 / 32
p0 38.55 ± 0.04845
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

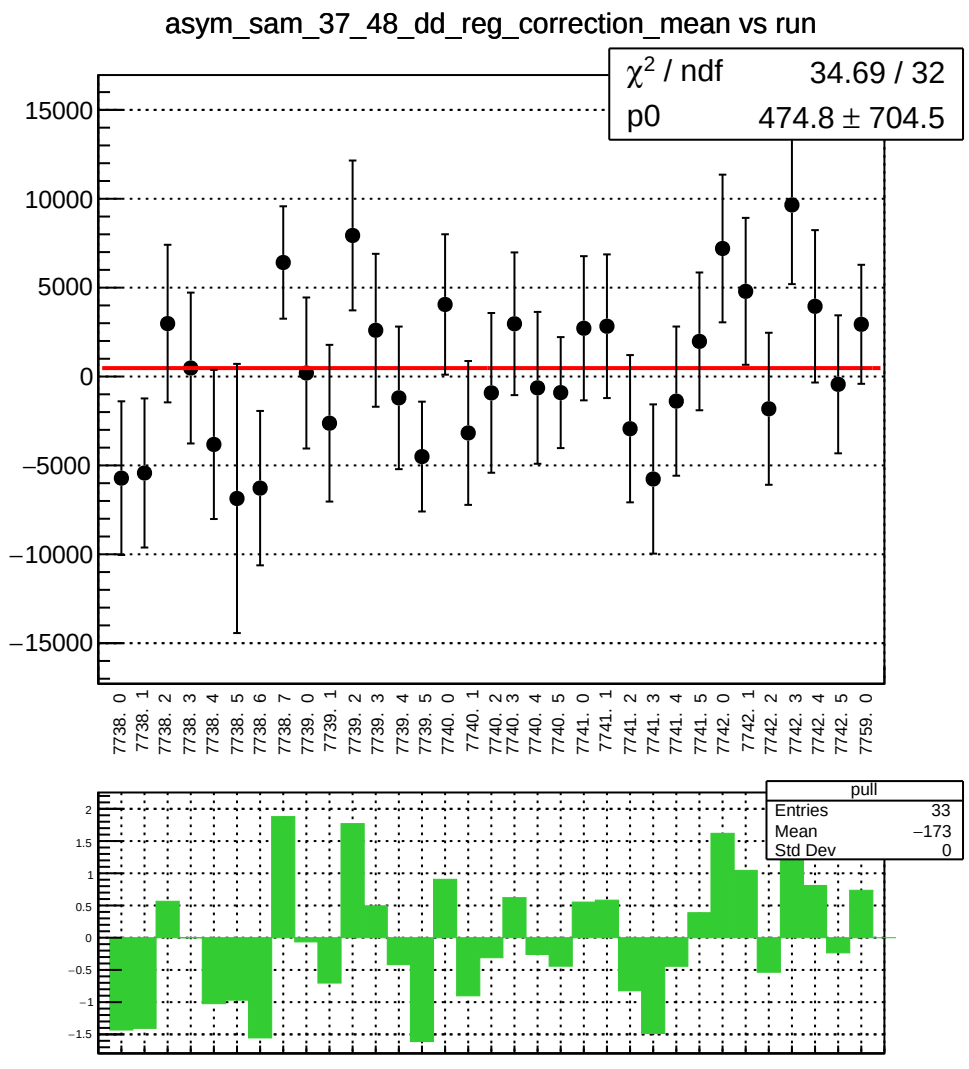

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.14 / 32
p0 −1.743e−13 ± 1.337e−13
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1646
Std Dev 1.077
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

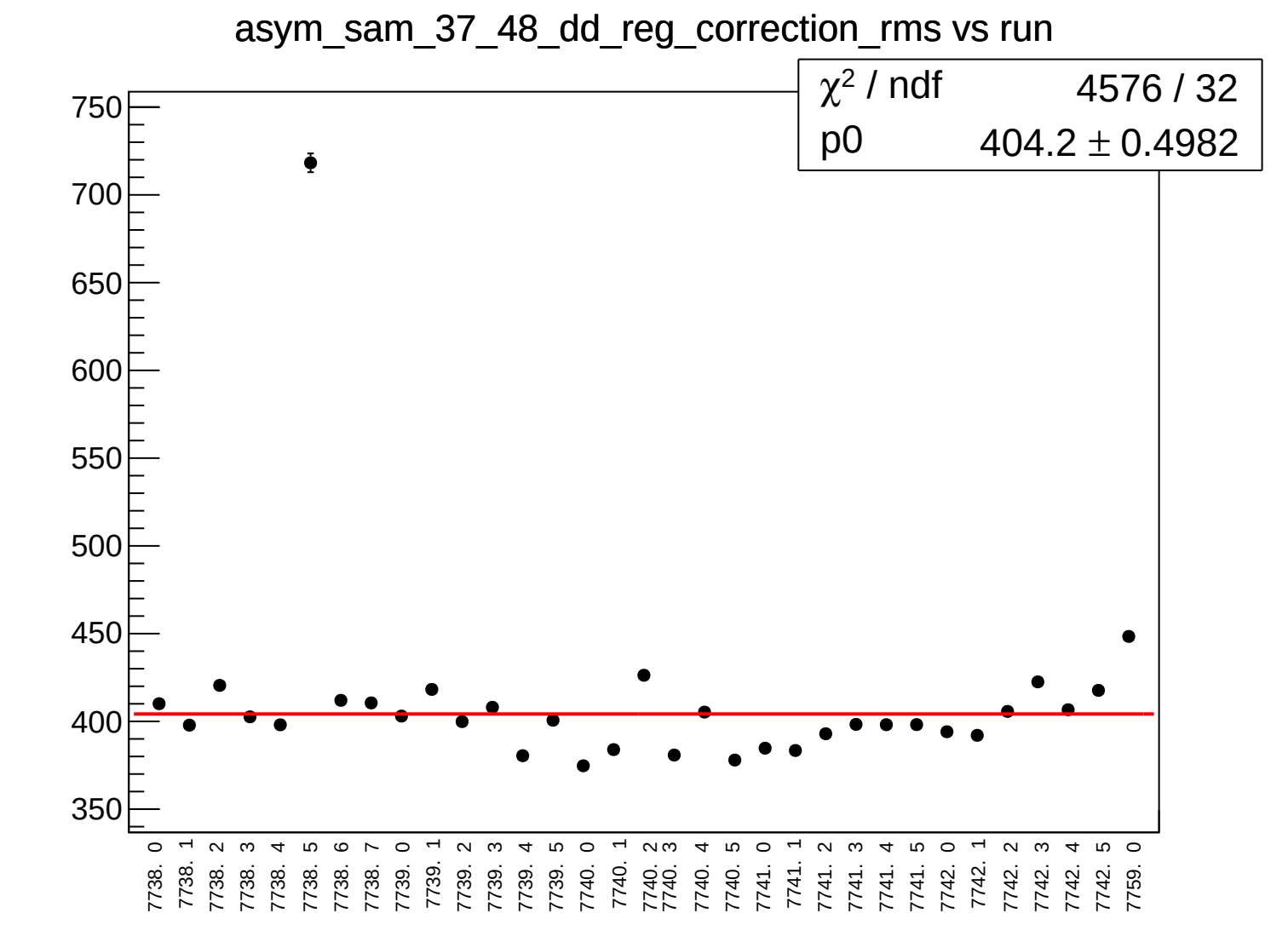

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
$\times 10^{-9}$
χ^2 / ndf 3.149e+05 / 32
p0 5.577e−11 ± 9.455e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

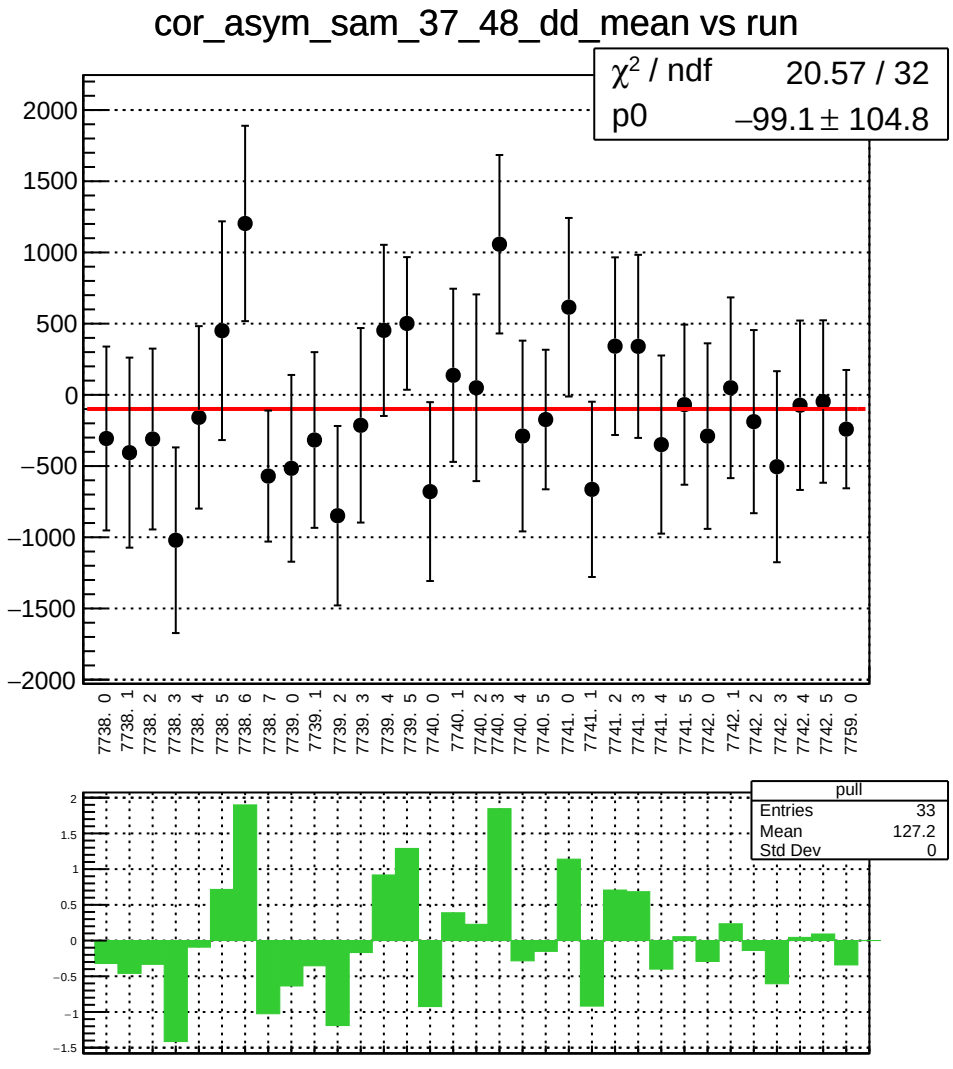

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 20.57 / 32
p0 −99.09 ± 104.8
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 127.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

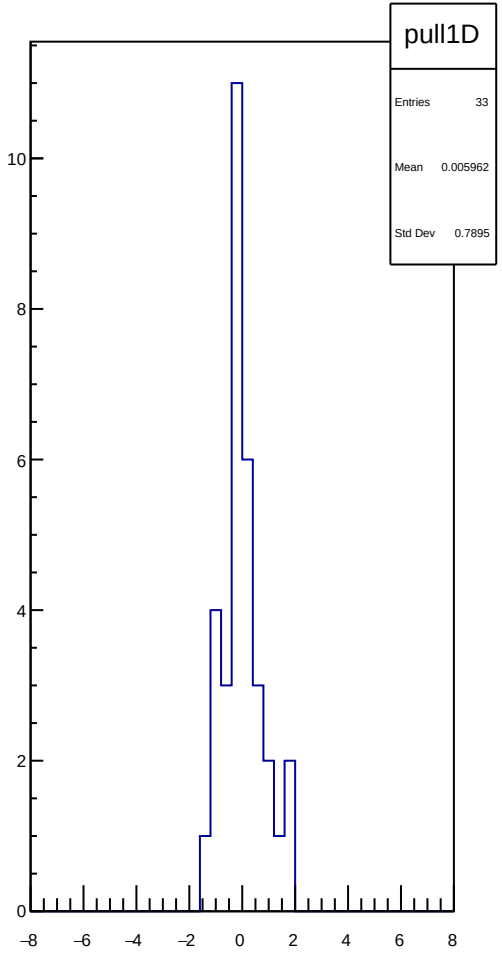

pull1D
Entries 33
Mean 0.005963
Std Dev 0.7895
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

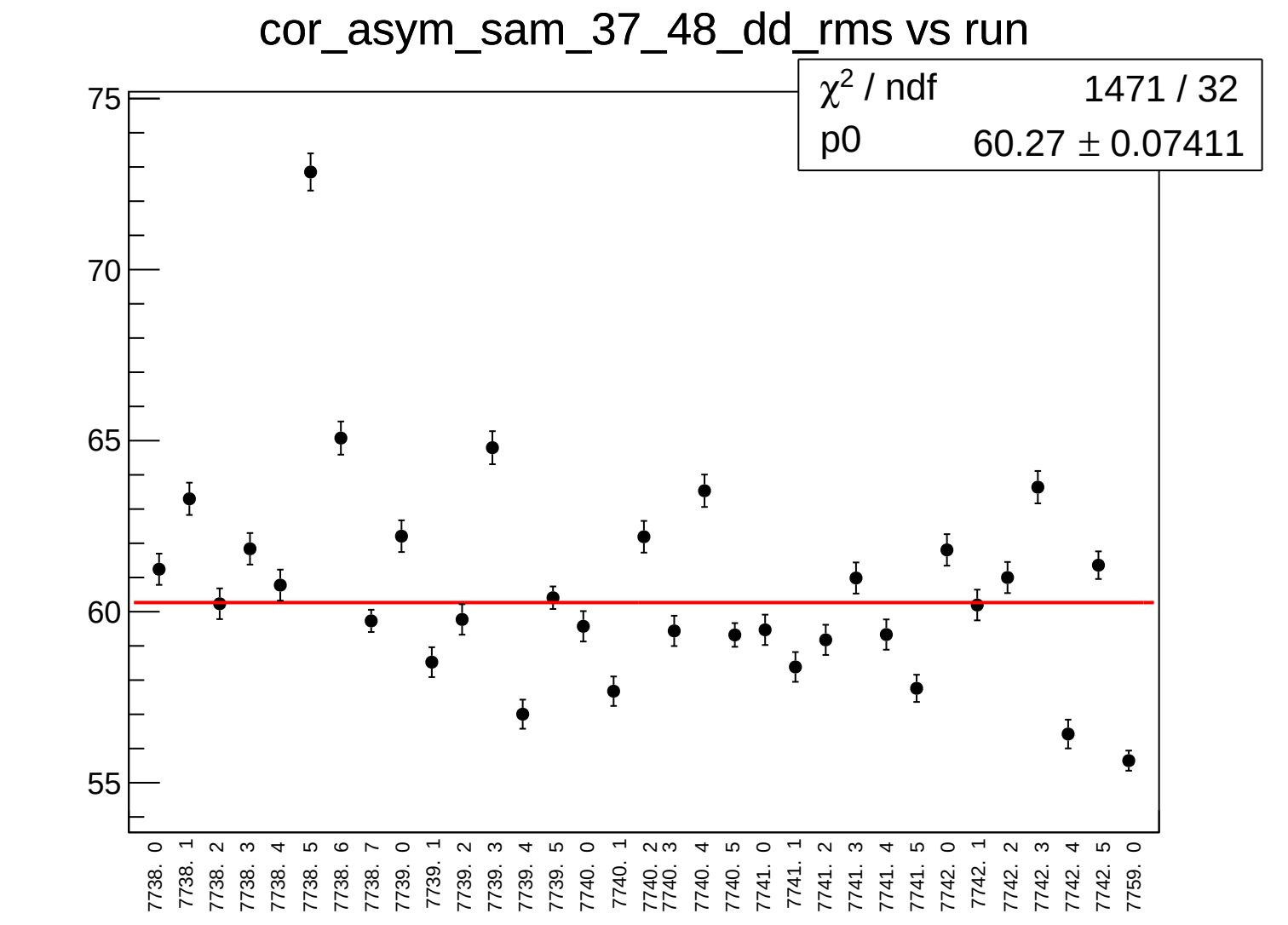

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 1471 / 32
p0 60.27 ± 0.07411
75
70
65
60
55
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

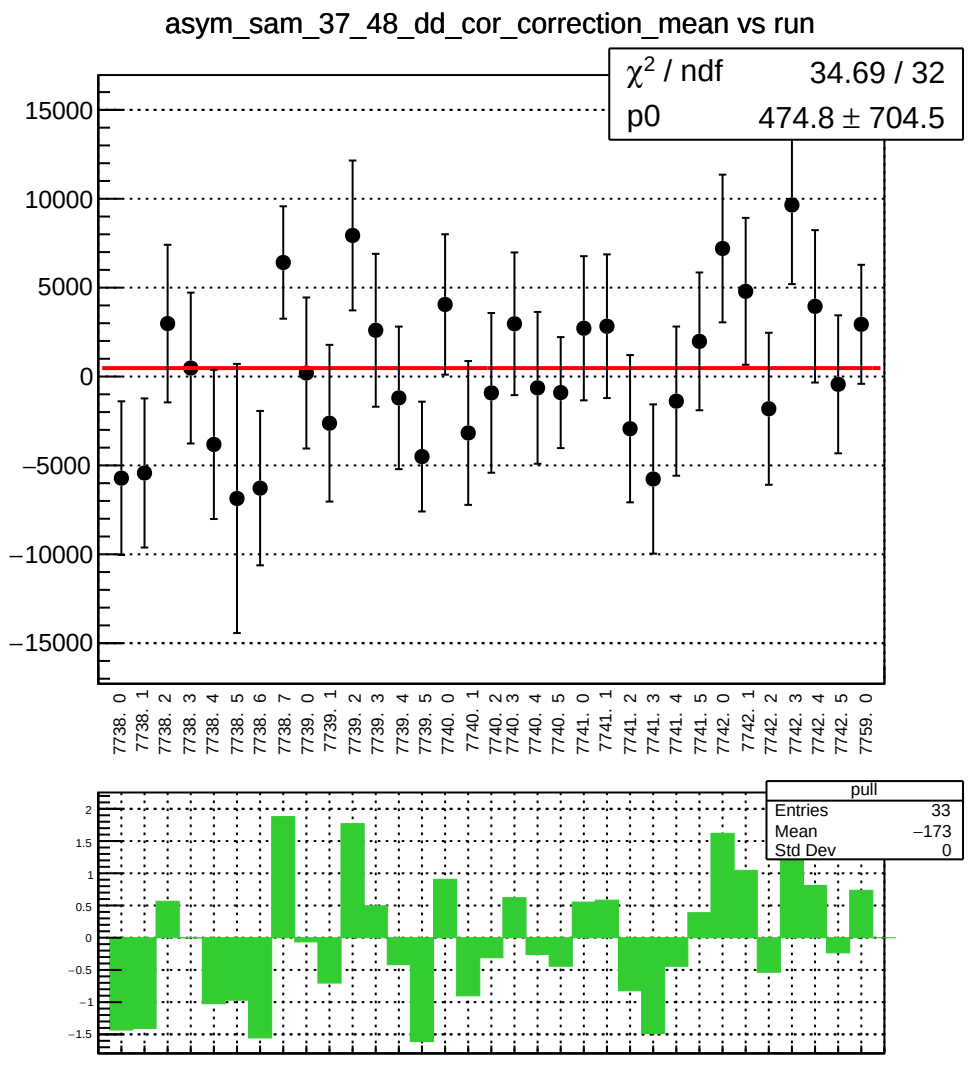

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 34.69 / 32
p0 474.8 ± 704.5
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −173
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01787
Std Dev 1.025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

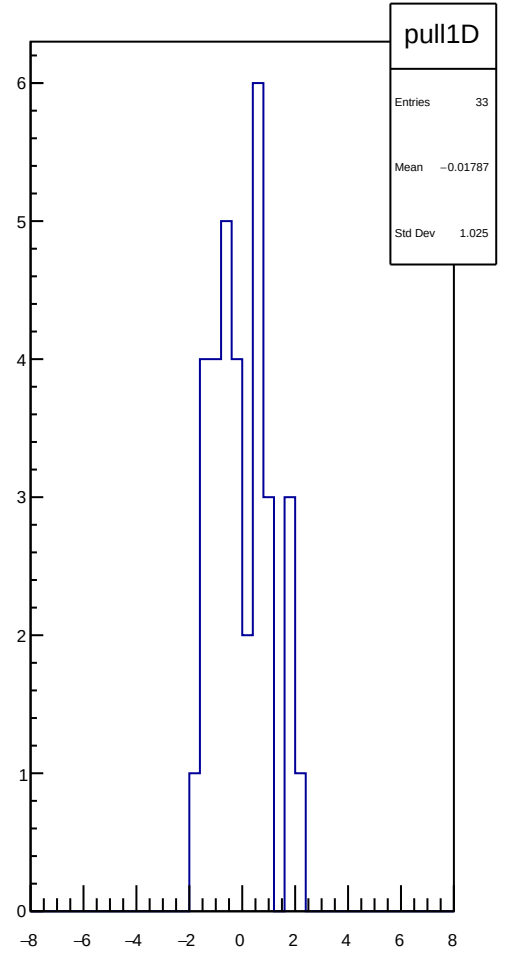

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 4576 / 32
p0 404.2 ± 0.4982
750
700
650
600
550
500
450
400
350
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

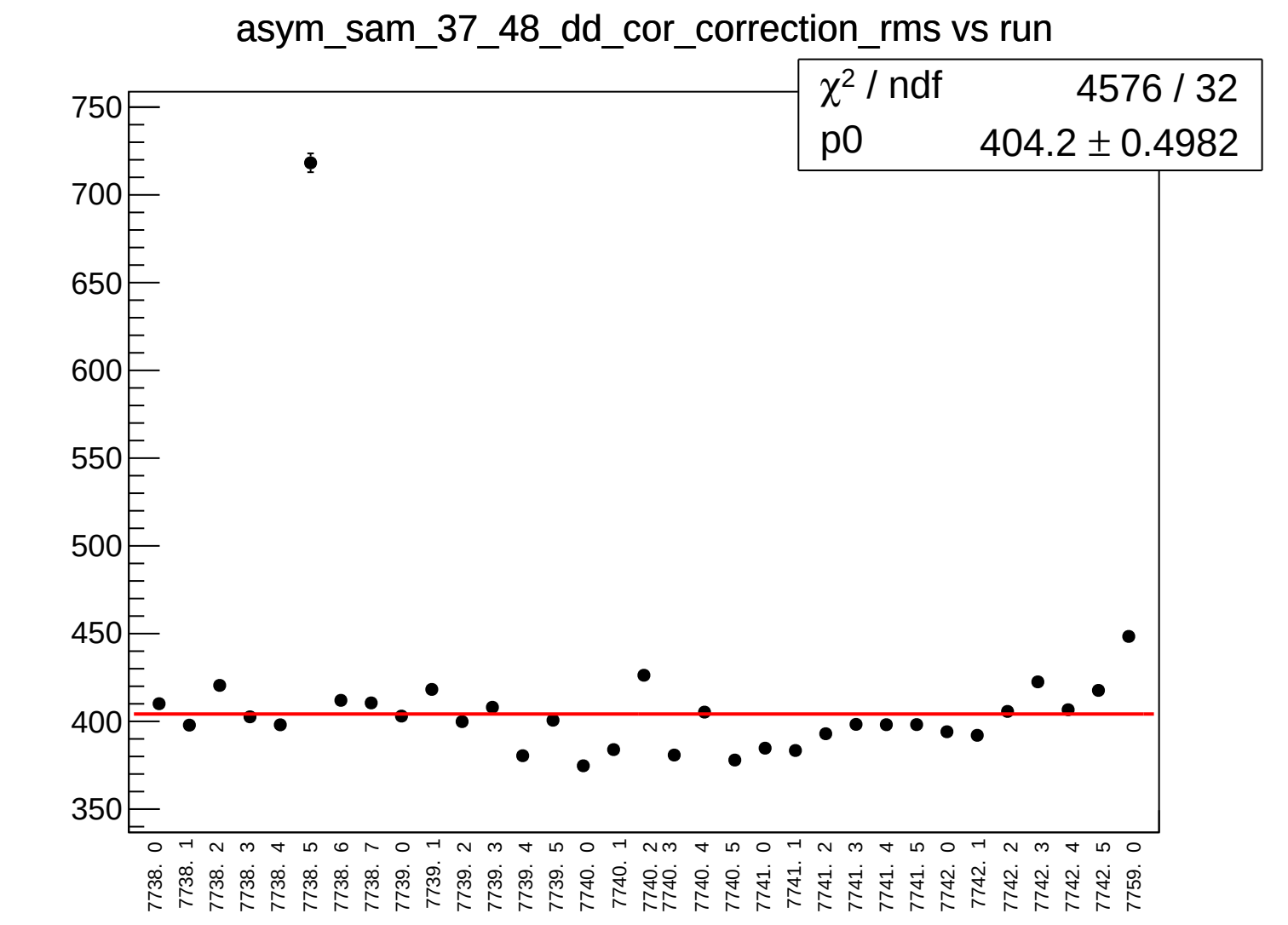

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 20.57 / 32
p0 −99.1 ± 104.8
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 127.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

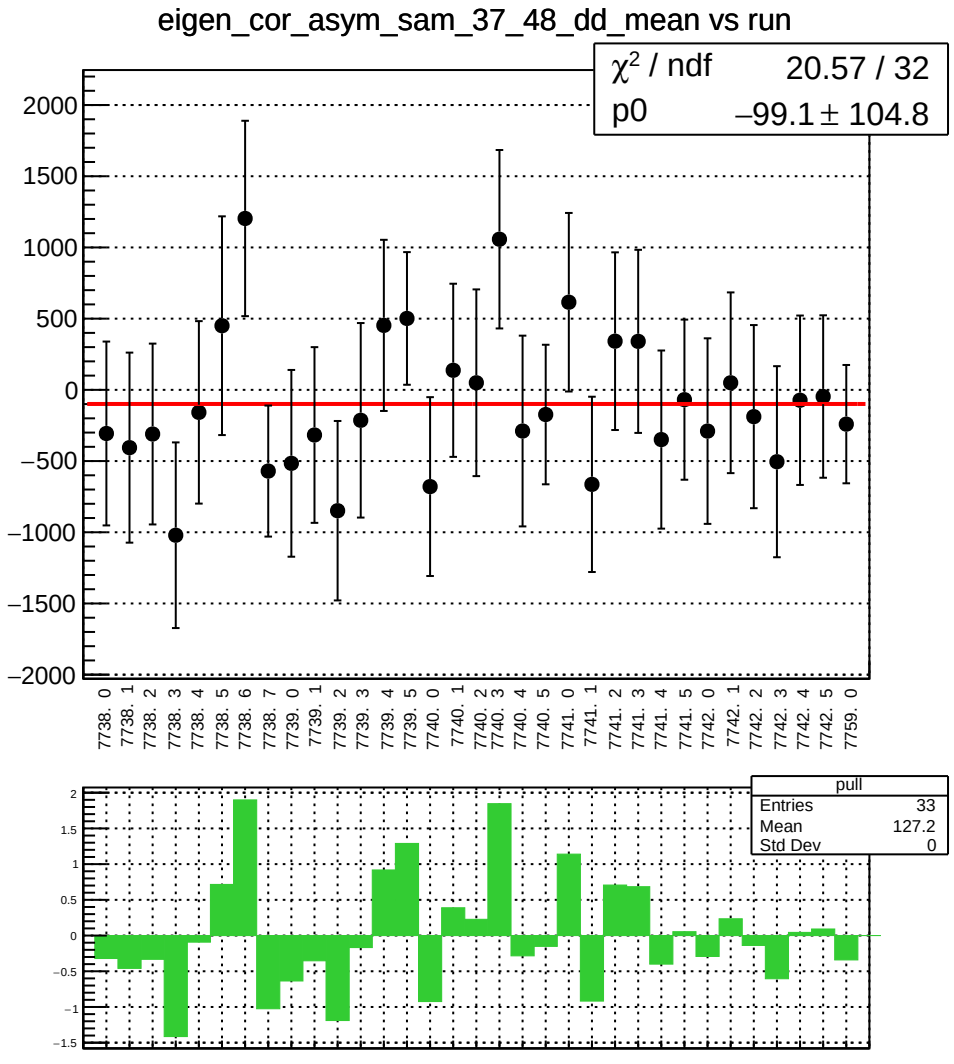

pull1D
Entries 33
Mean 0.005962
Std Dev 0.7895
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

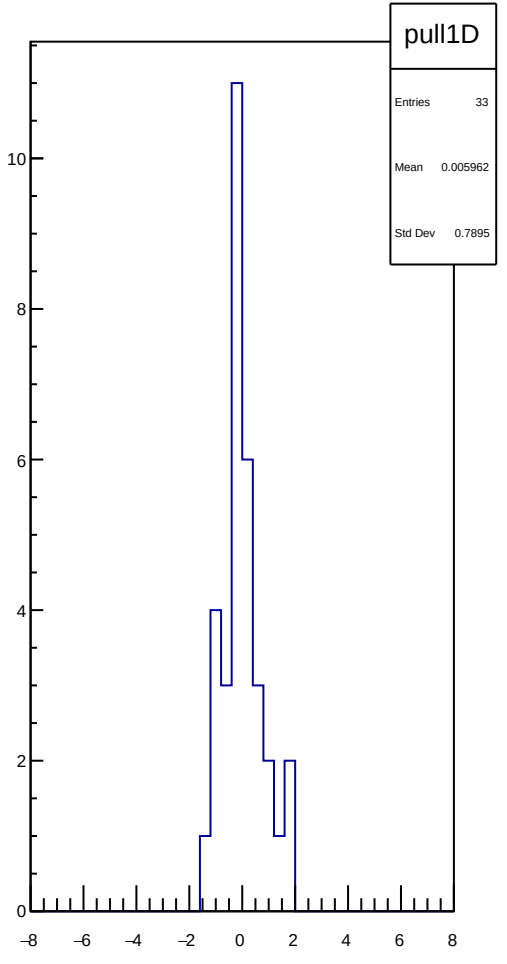

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1471 / 32
p0 60.27 ± 0.07411
75
70
65
60
55
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

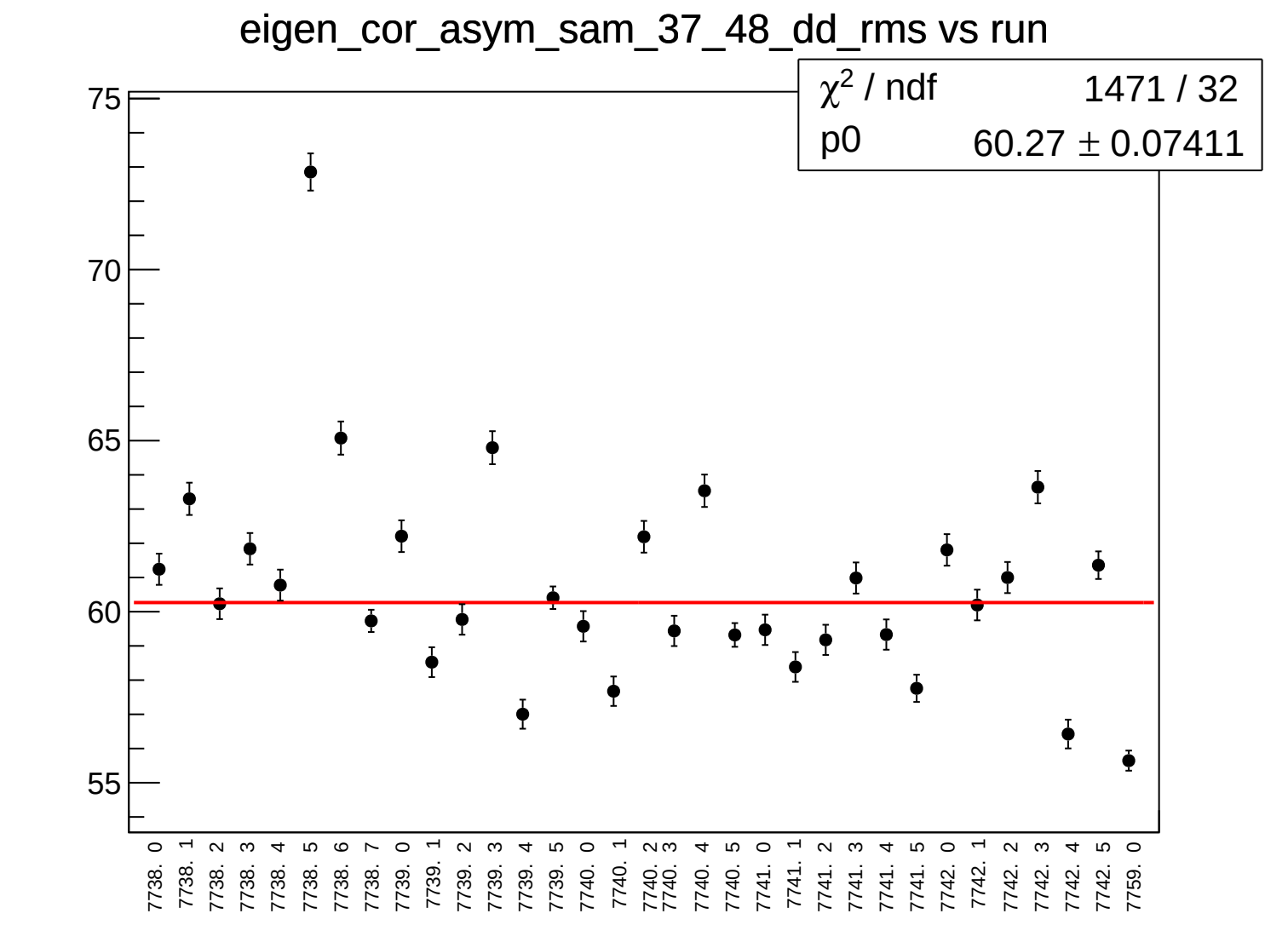

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 34.69 / 32
p0 474.8 ± 704.5
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −173
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

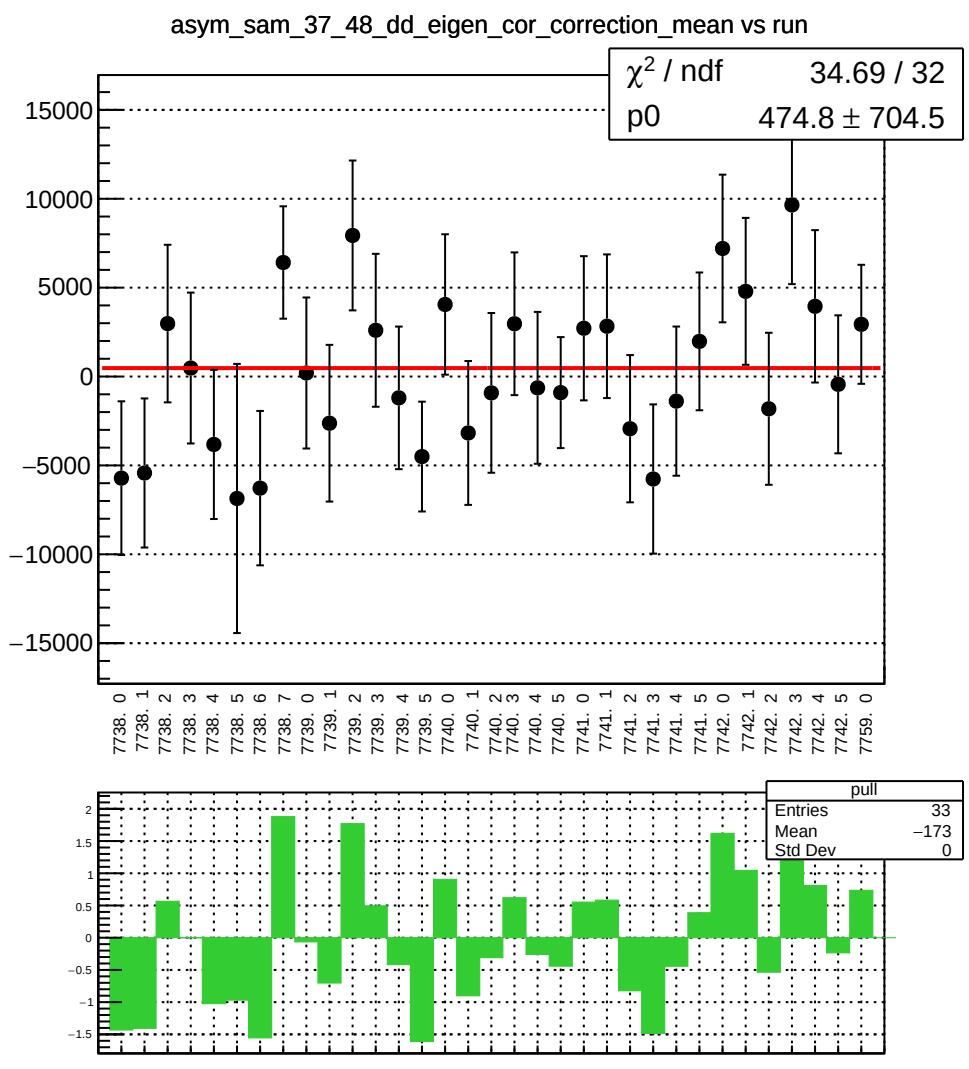

pull1D
Entries 33
Mean −0.01787
Std Dev 1.025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

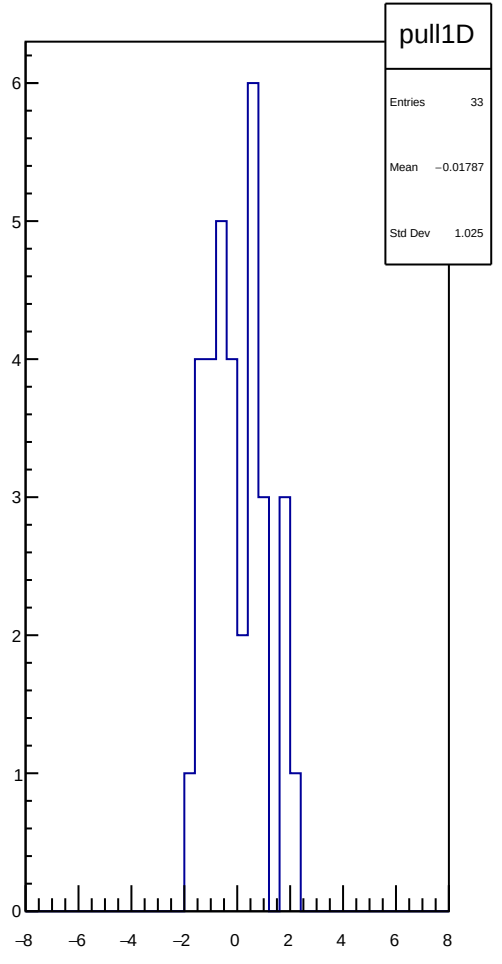

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 4576 / 32
p0 404.2 ± 0.4982
750
700
650
600
550
500
450
400
350
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

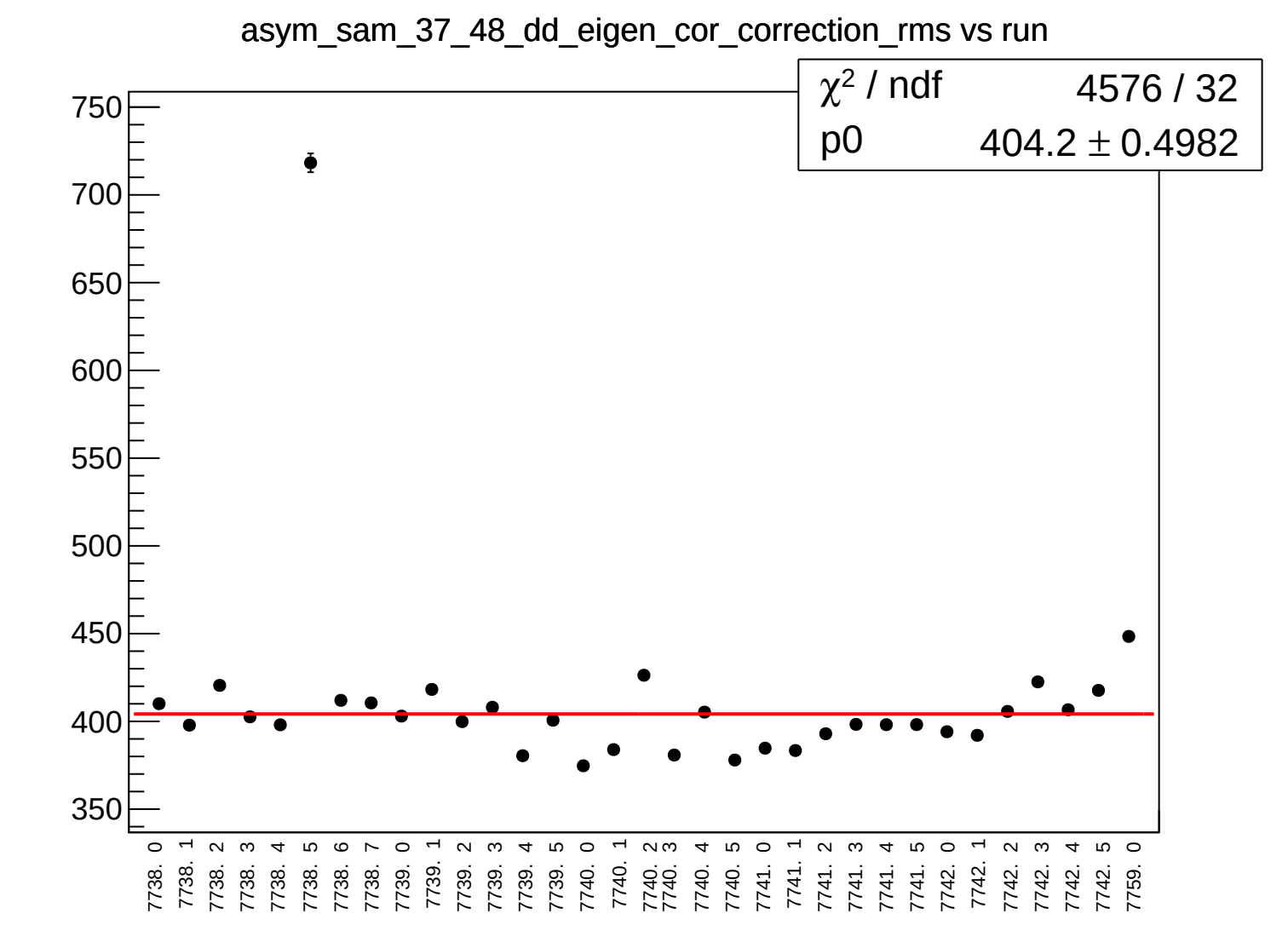

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 20.57 / 32
p0 −99.1 ± 104.8
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 127.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

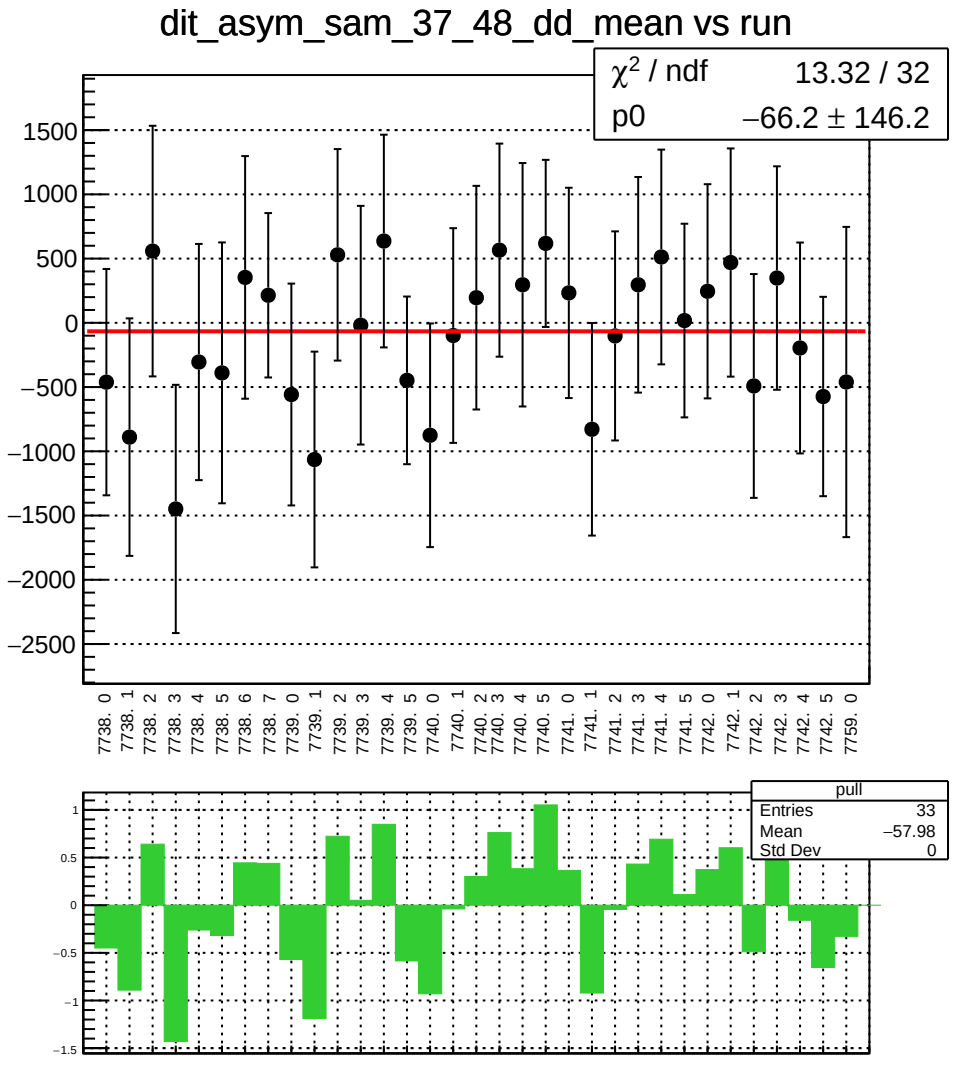

pull1D
Entries 33
Mean 0.005962
Std Dev 0.7895
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

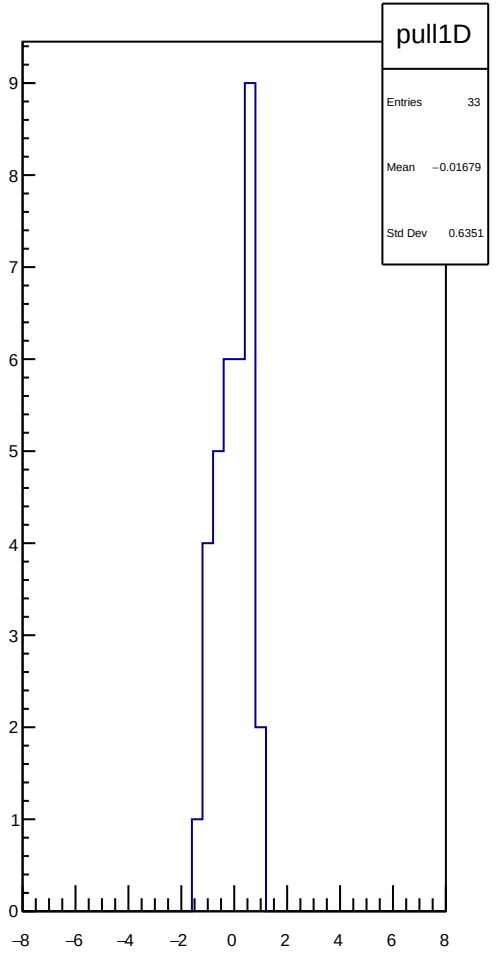

eigen_cor_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1471 / 32
p0 60.27 ± 0.07411
75
70
65
60
55
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

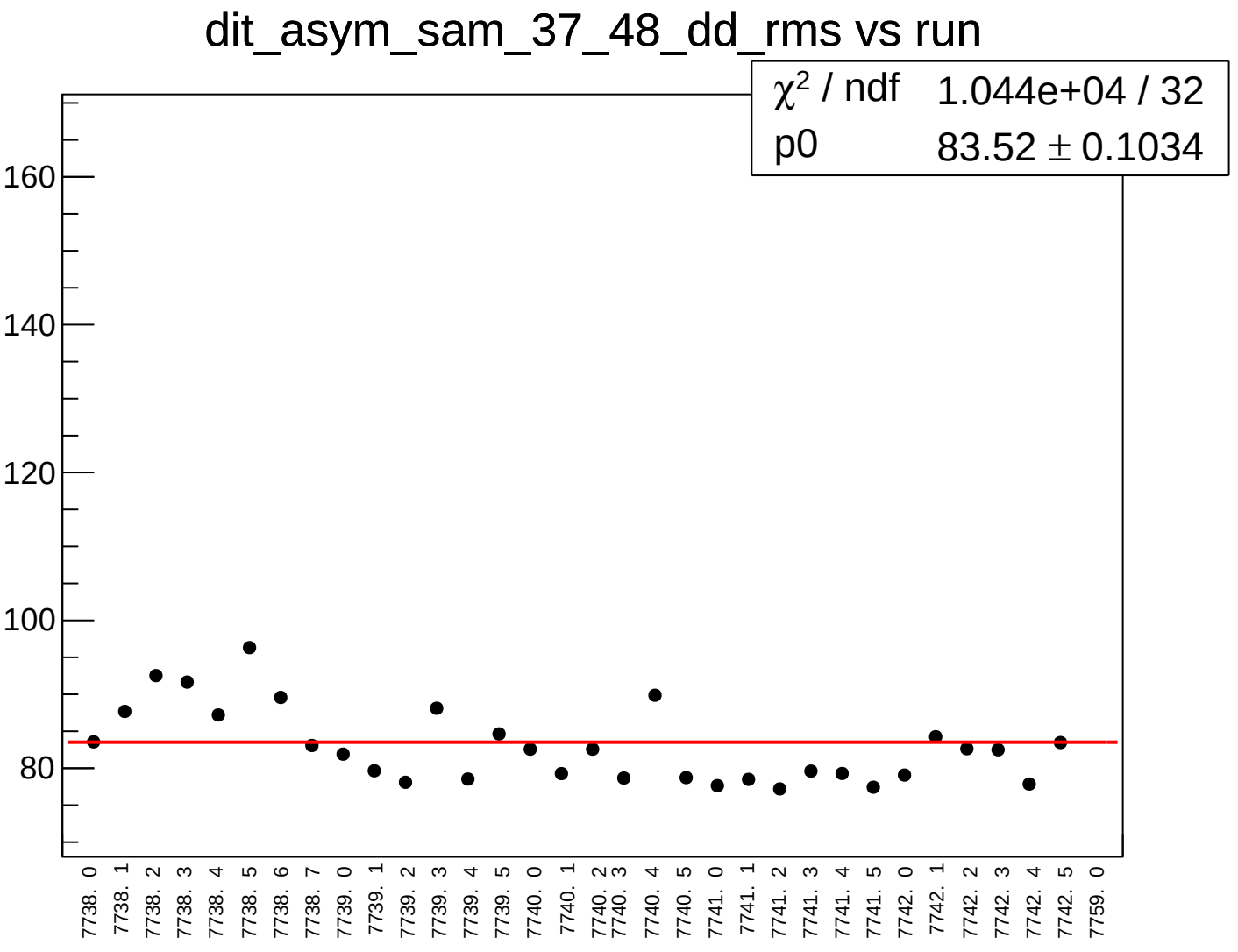

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.69 / 32
p0 474.8 ± 704.5
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −173
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

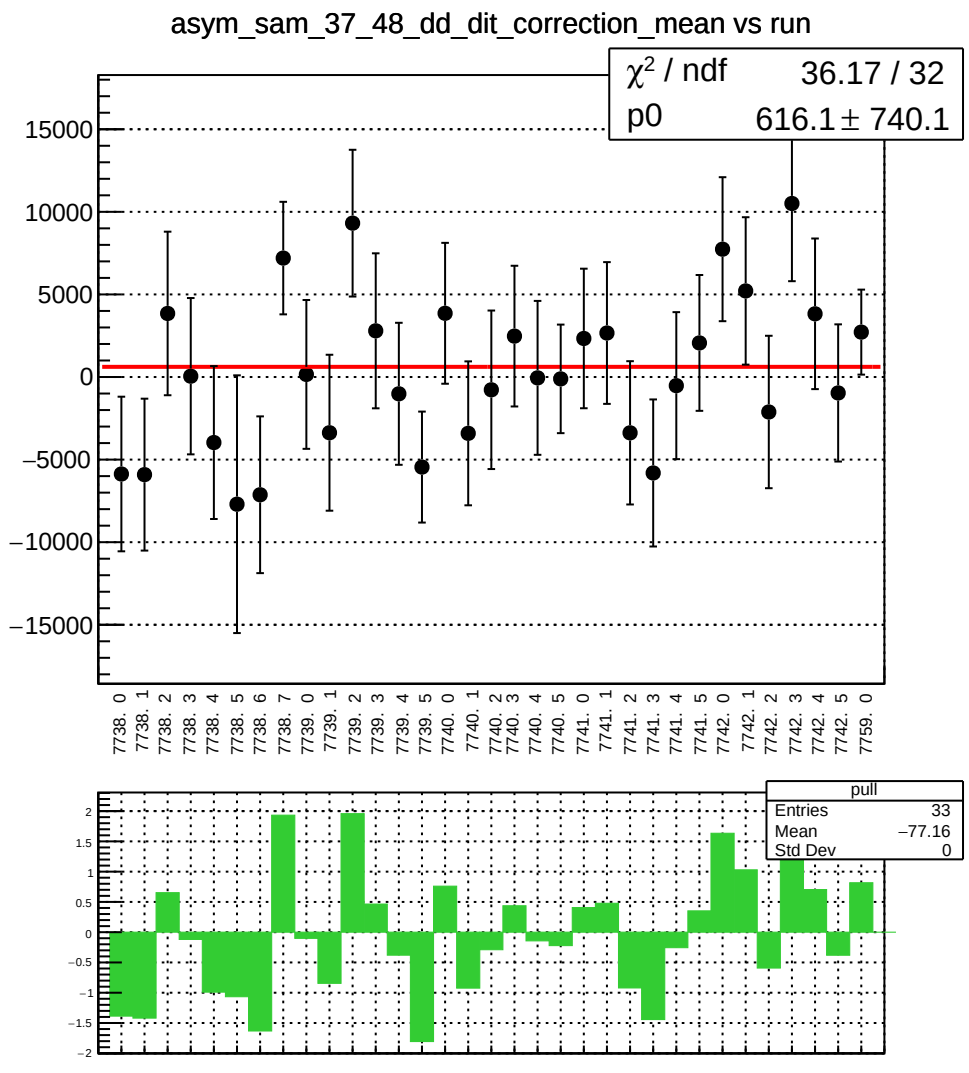

pull1D
Entries 33
Mean −0.01787
Std Dev 1.025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

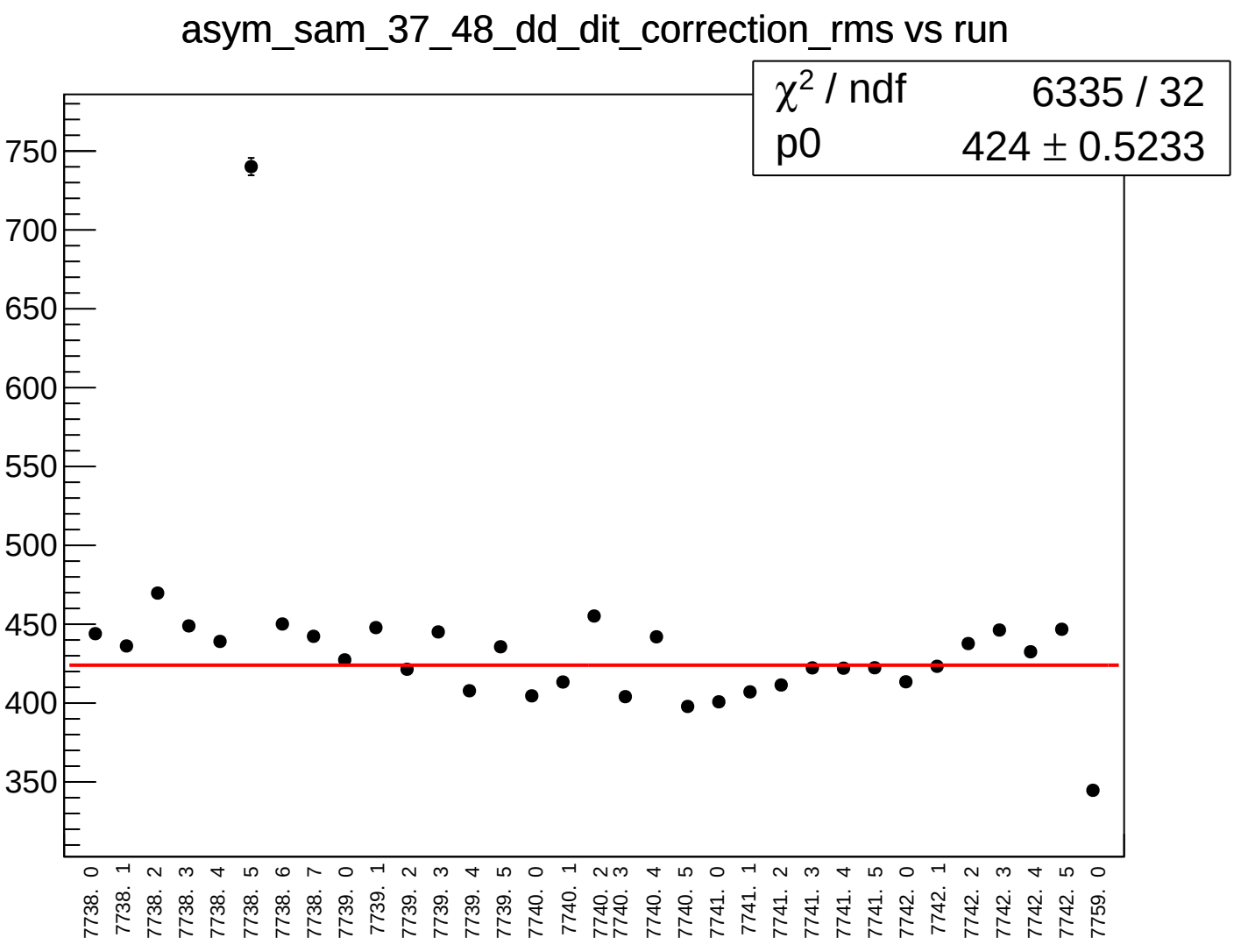

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4576 / 32
p0 404.2 ± 0.4982
750
700
650
600
550
500
450
400
350
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

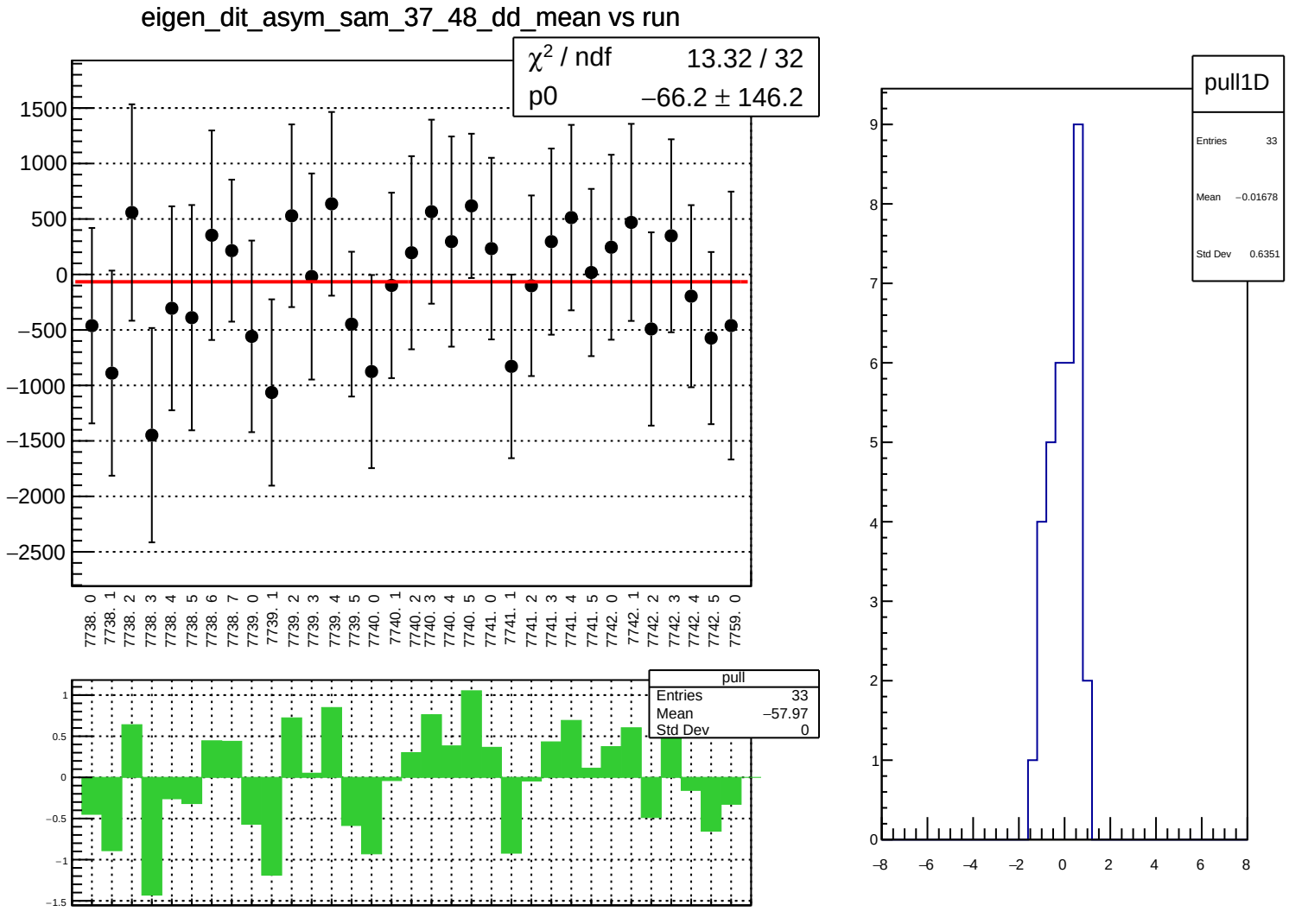

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 13.32 / 32
p0 −66.2 ± 146.2
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.98
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

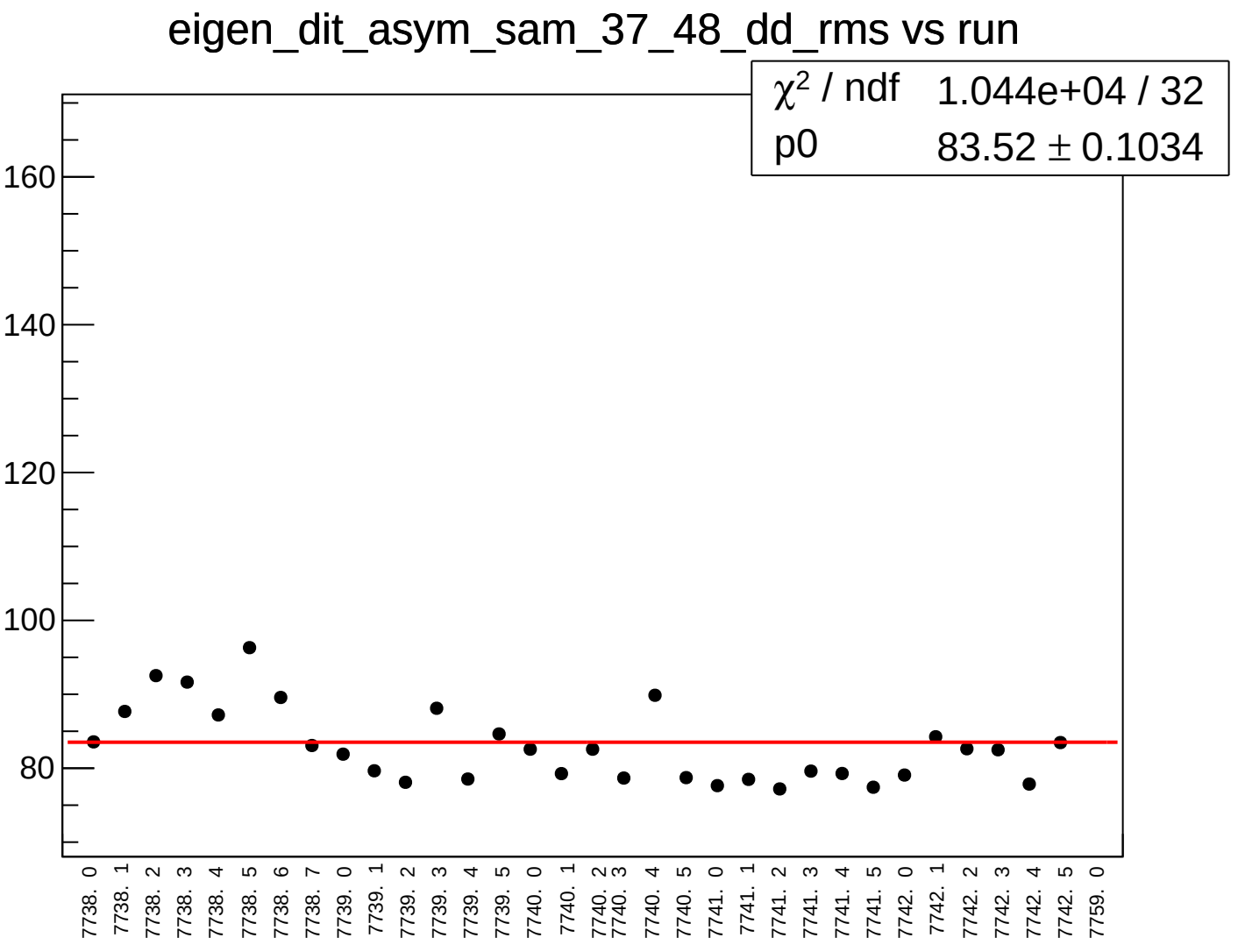

pull1D
Entries 33
Mean −0.01679
Std Dev 0.6351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

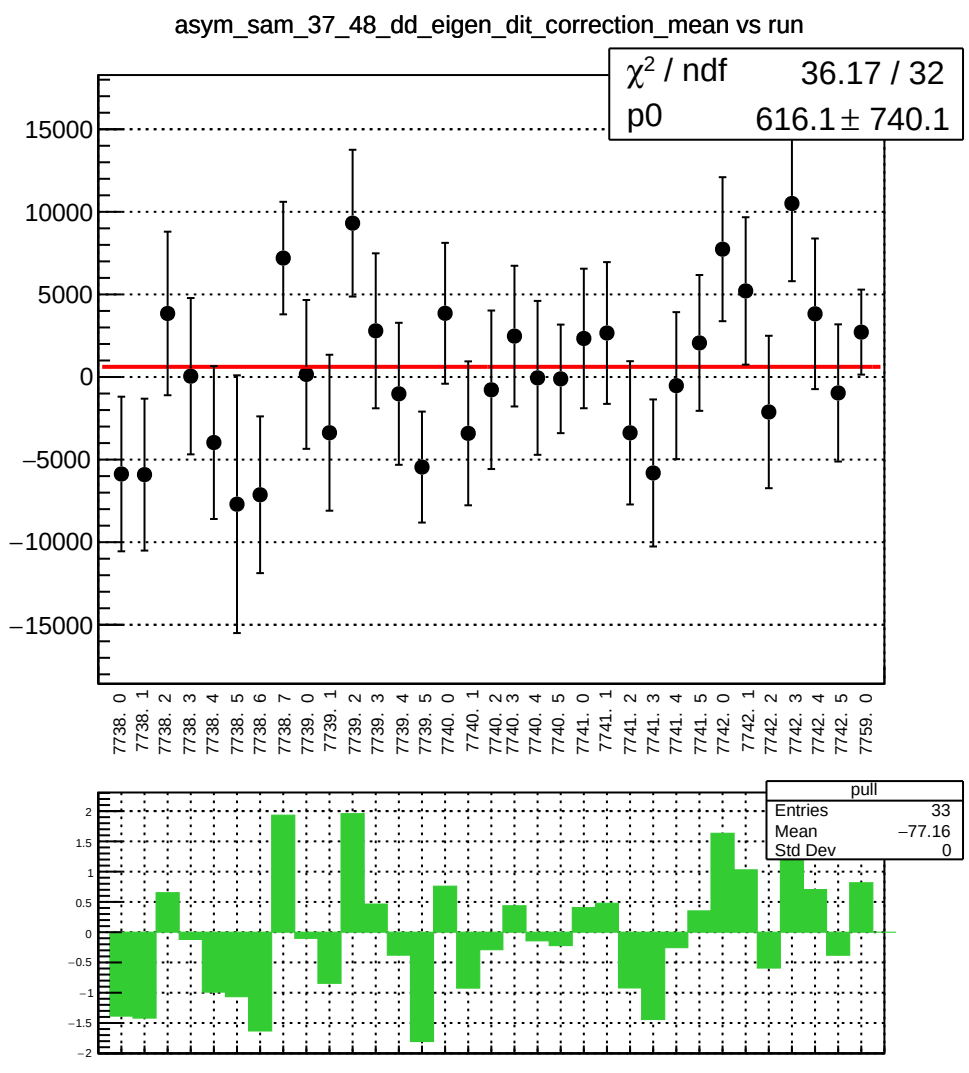

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.044e+04 / 32
p0 83.52 ± 0.1034
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

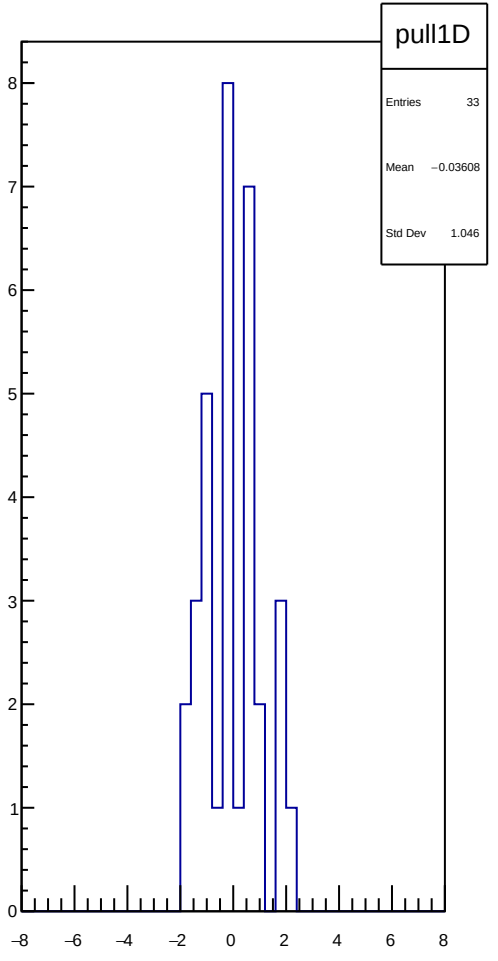

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 36.17 / 32
p0 616.1 ± 740.1
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −77.16
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.03608
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

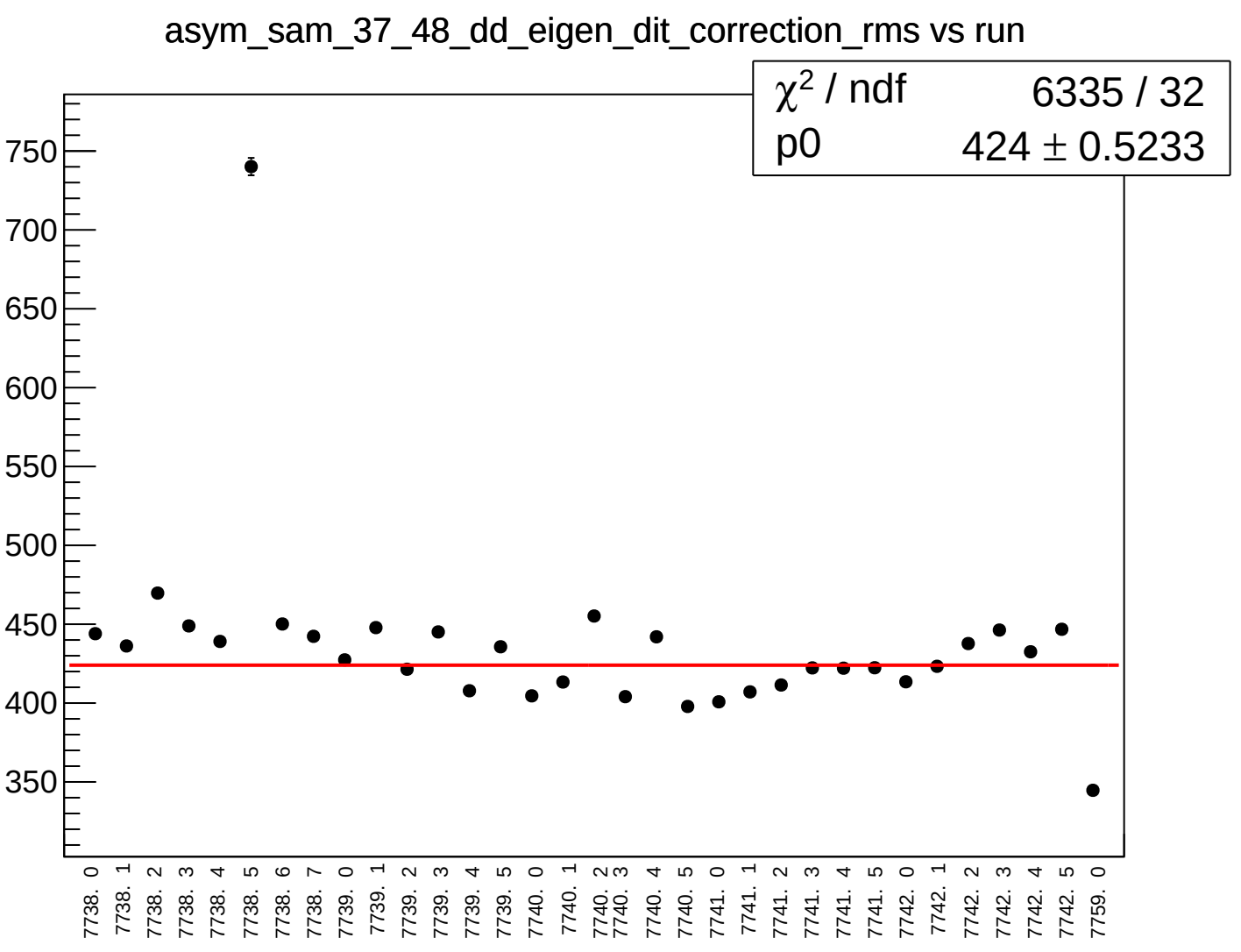

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 6335 / 32
p0 424 ± 0.5233
750
700
650
600
550
500
450
400
350
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

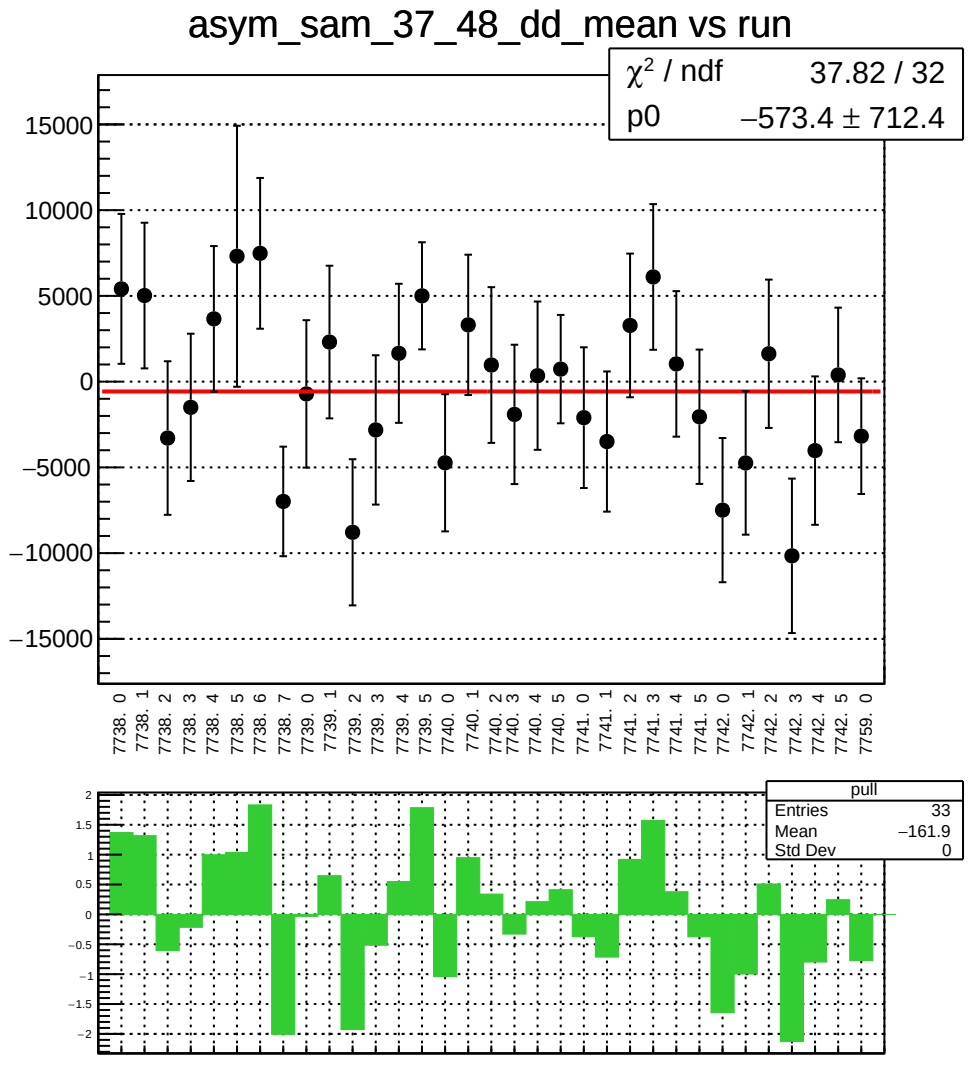

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 13.32 / 32
p0 −66.2 ± 146.2
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.97
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01678
Std Dev 0.6351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

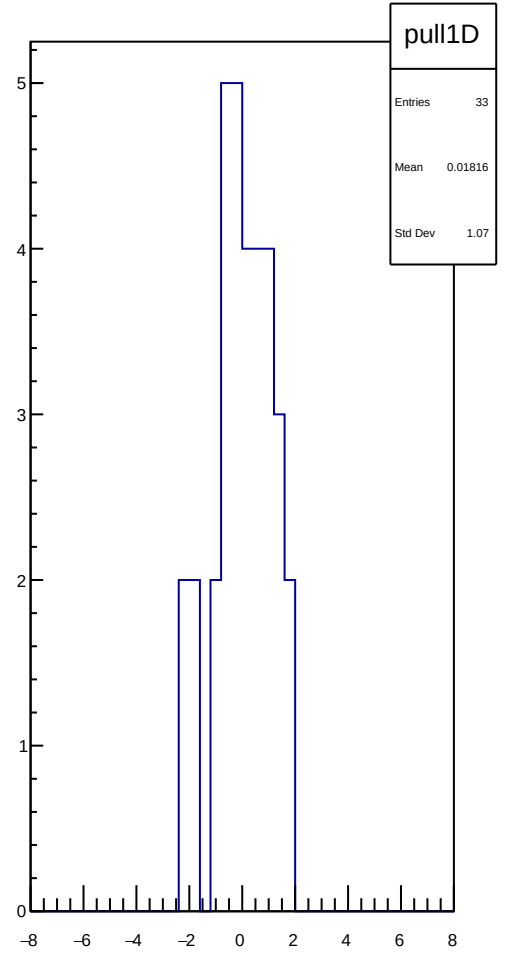

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.044e+04 / 32
p0 83.52 ± 0.1034
160
140
120
100
80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

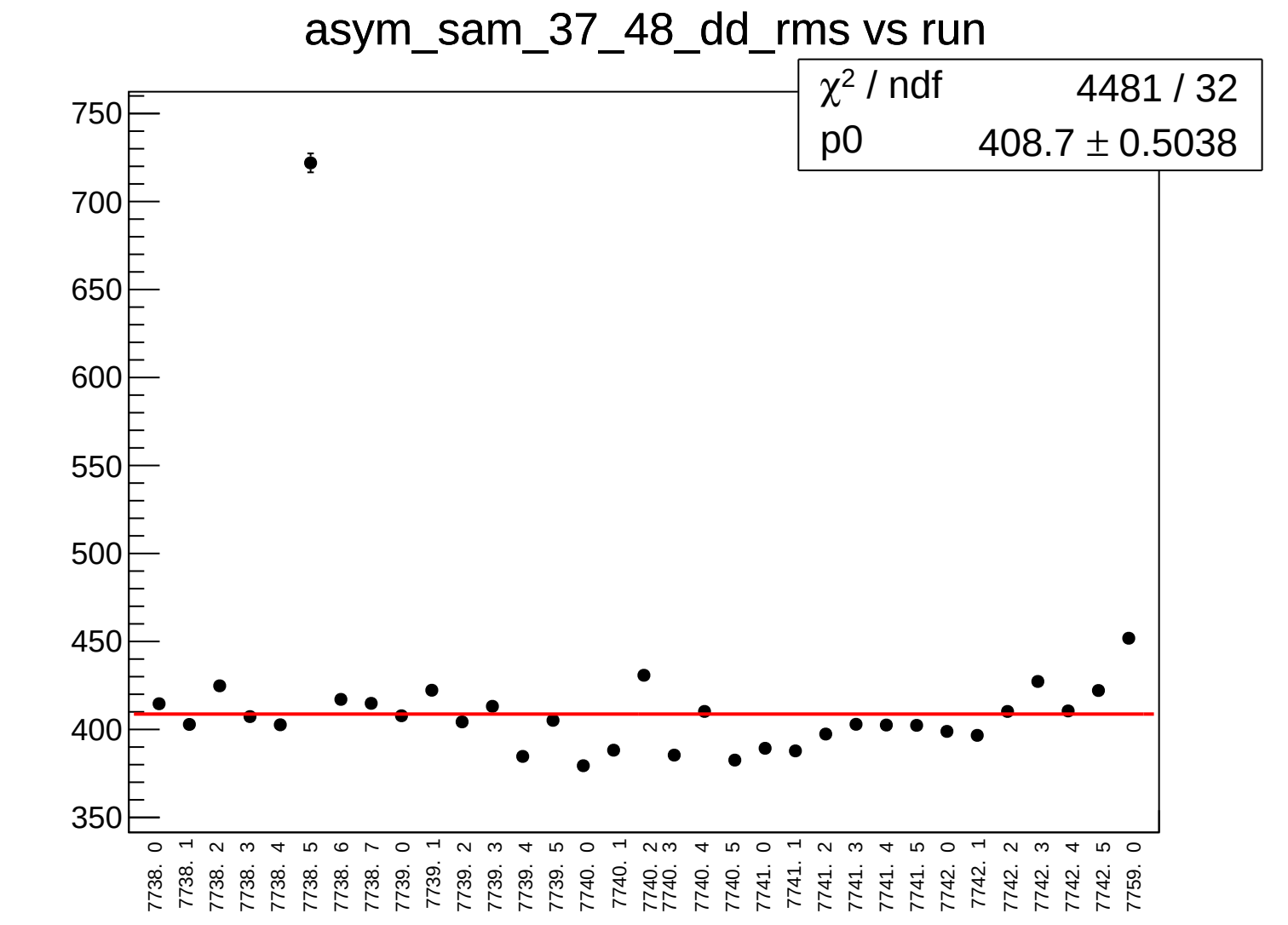

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 36.17 / 32
p0 616.1 ± 740.1
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −77.16
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

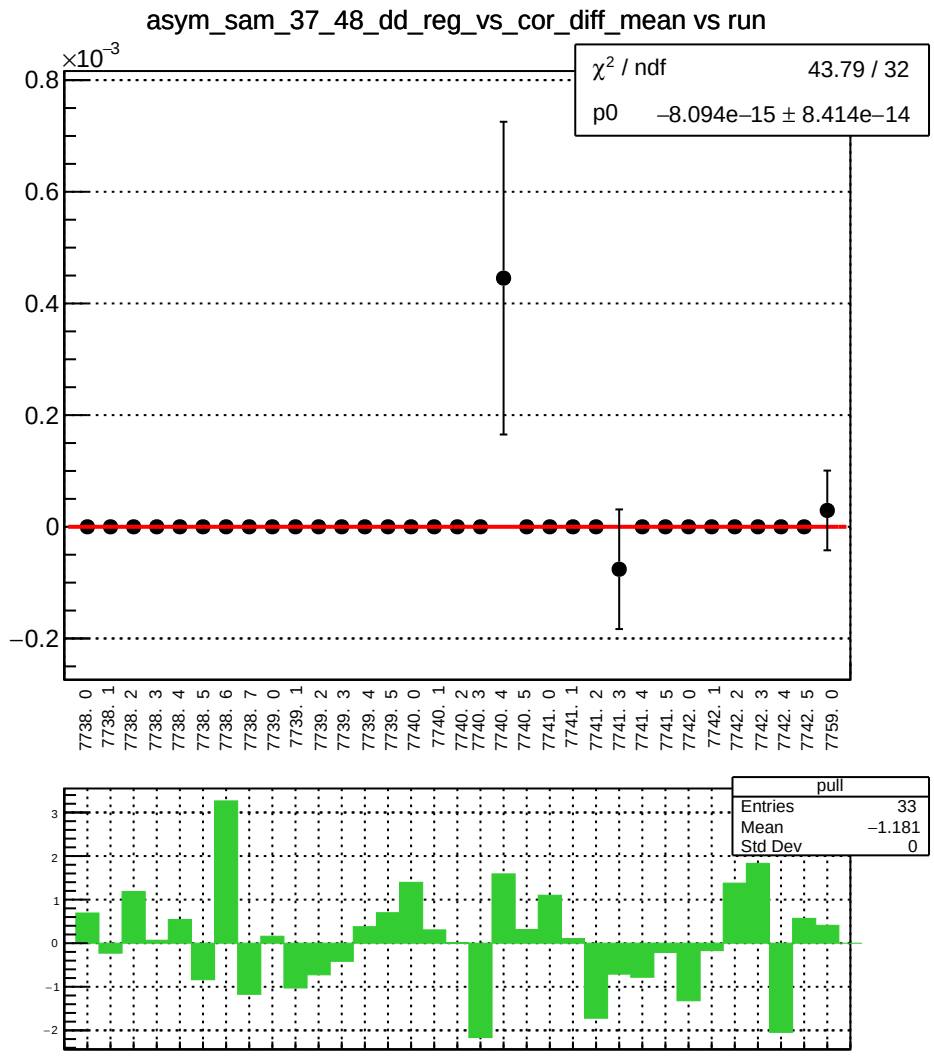

pull1D
Entries 33
Mean −0.03608
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

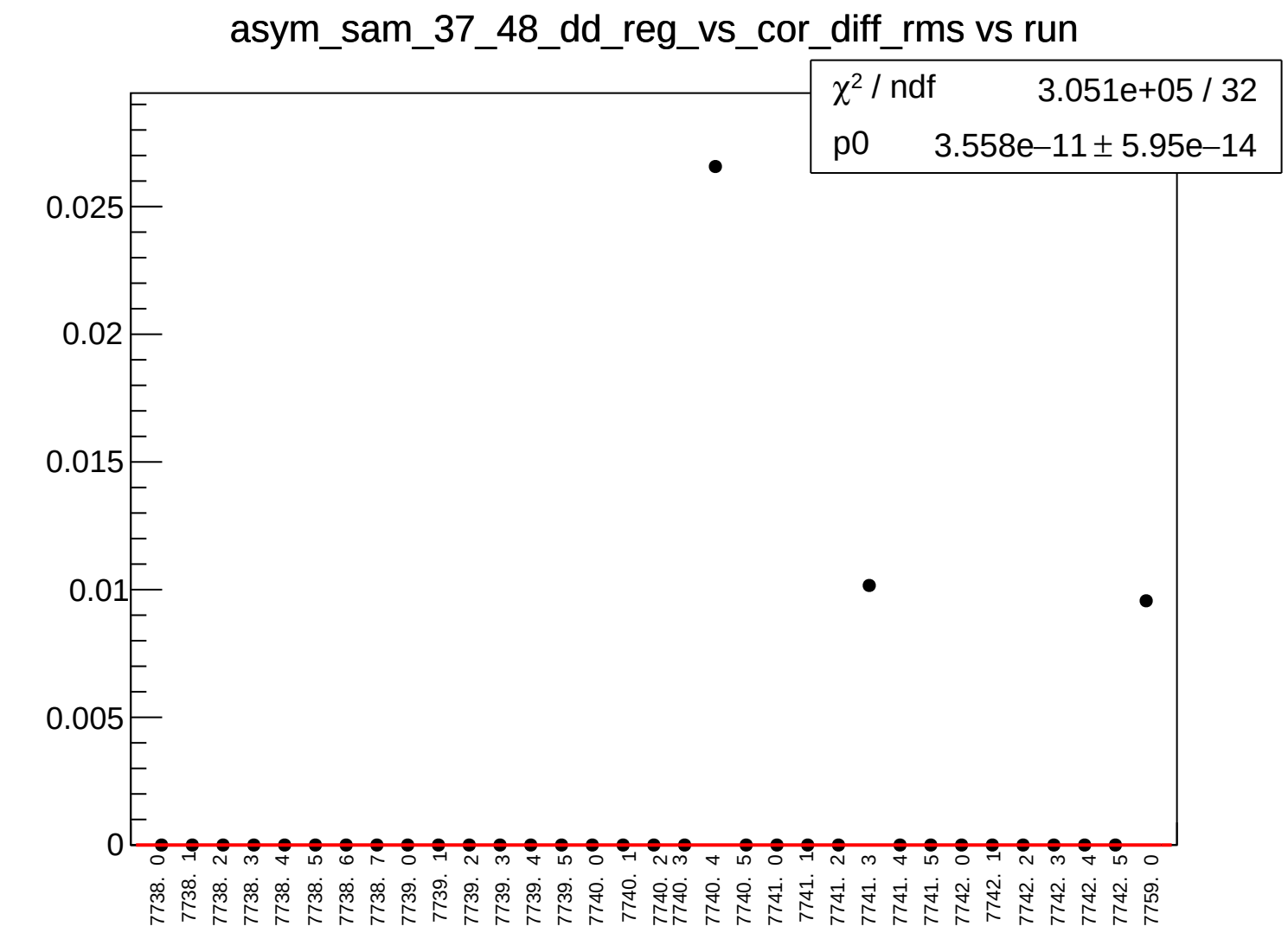

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 6335 / 32
p0 424 ± 0.5233
750
700
650
600
550
500
450
400
350
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_37_48_dd_mean vs run
χ² / ndf 37.82 / 32
p0 −573.4 ± 712.4
15000
10000
5000
0
−5000
−10000
−15000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −161.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

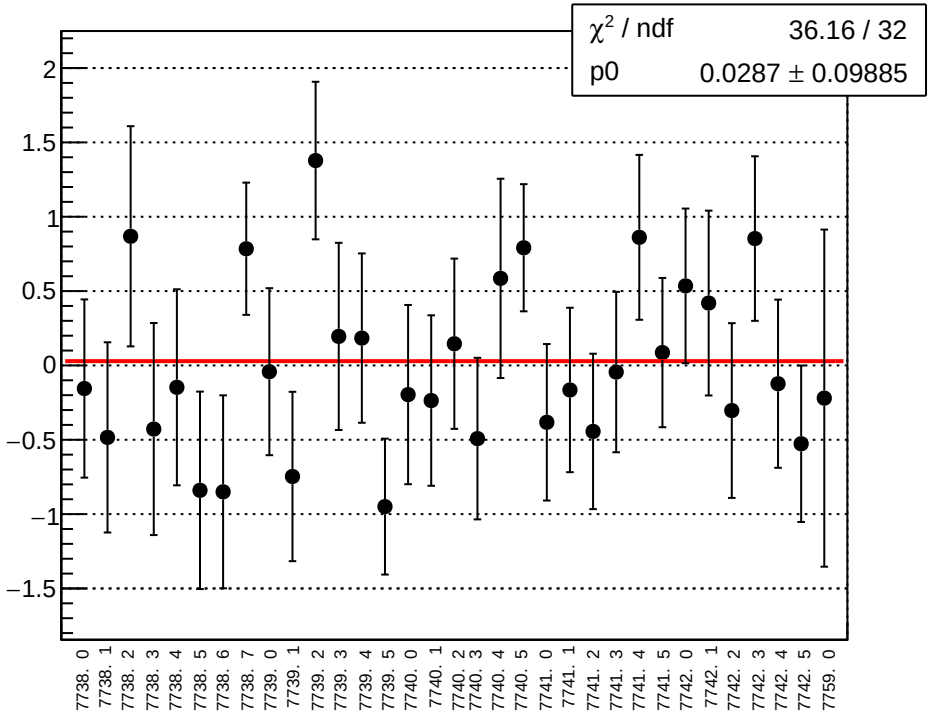

pull1D
Entries 33
Mean 0.01816
Std Dev 1.07
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

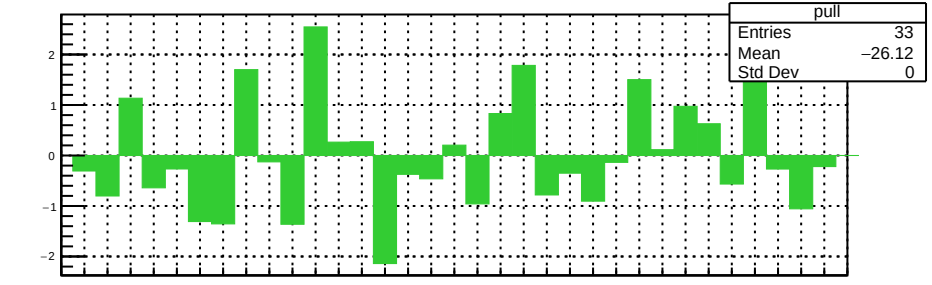

asym_sam_37_48_dd_rms vs run
χ² / ndf 4481 / 32
p0 408.7 ± 0.5038
750
700
650
600
550
500
450
400
350
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

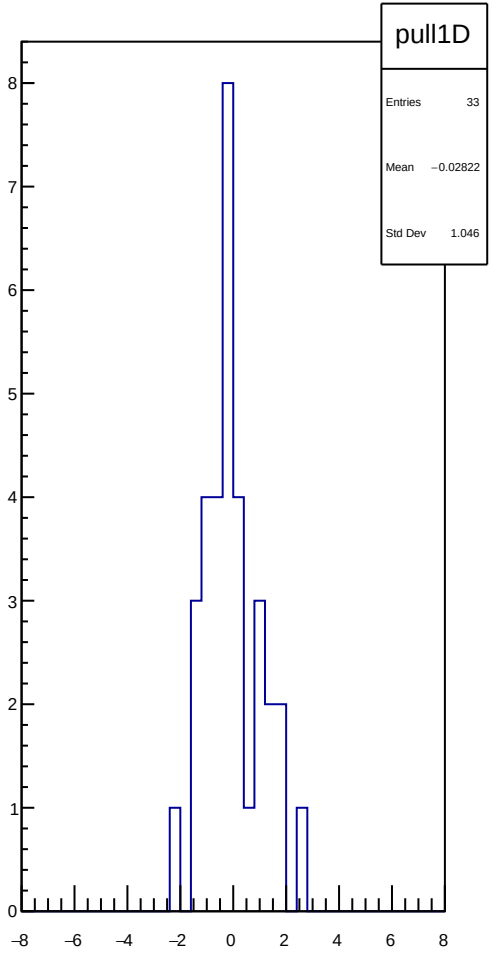

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 43.79 / 32
p0 −8.094e−15 ± 8.414e−14
0.8
0.6
0.4
0.2
0
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.181
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.07495
Std Dev 1.15
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

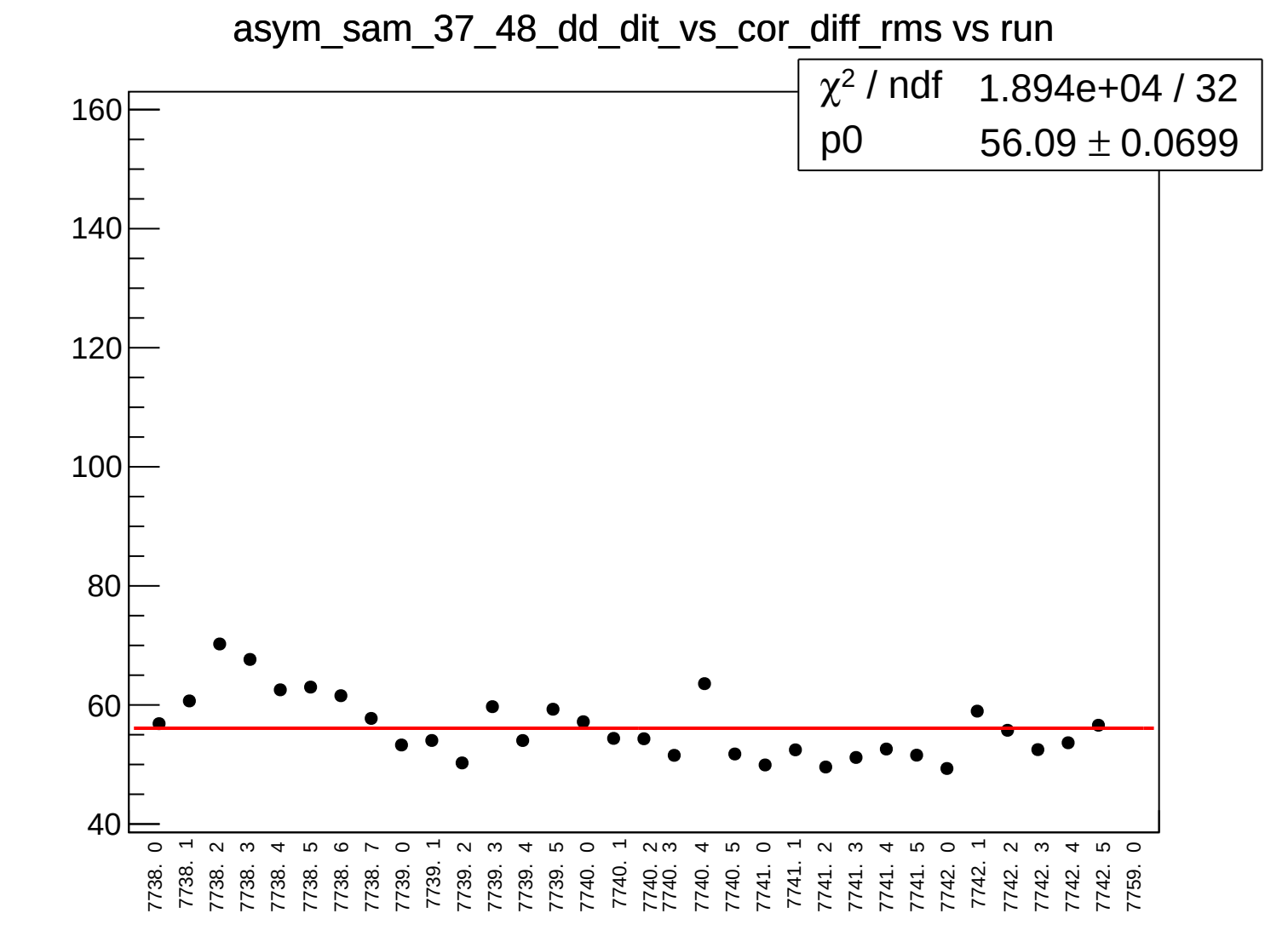

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.051e+05 / 32
p0 3.558e−11 ± 5.95e−14
0.025
0.02
0.015
0.01
0.005
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

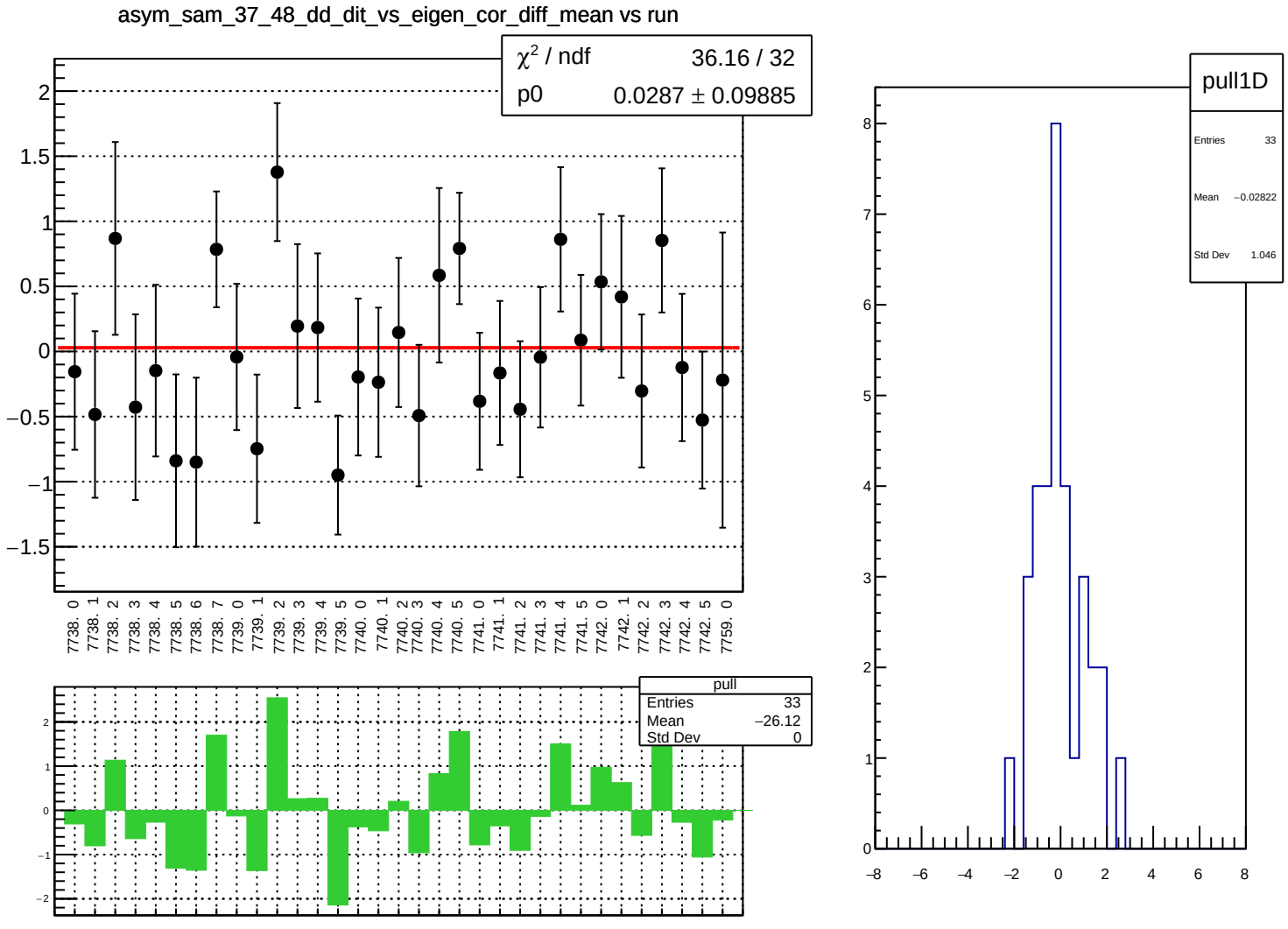
asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run

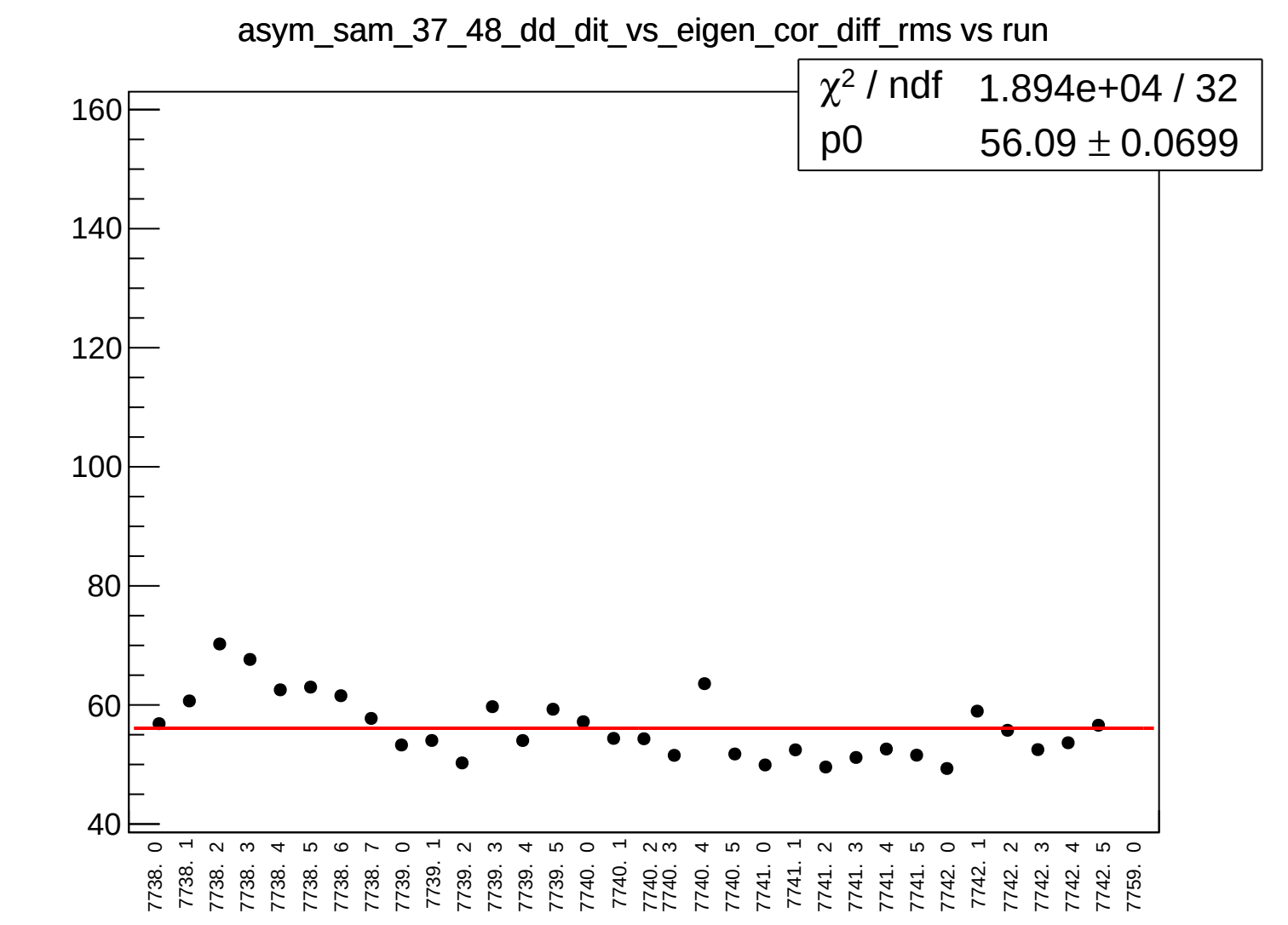


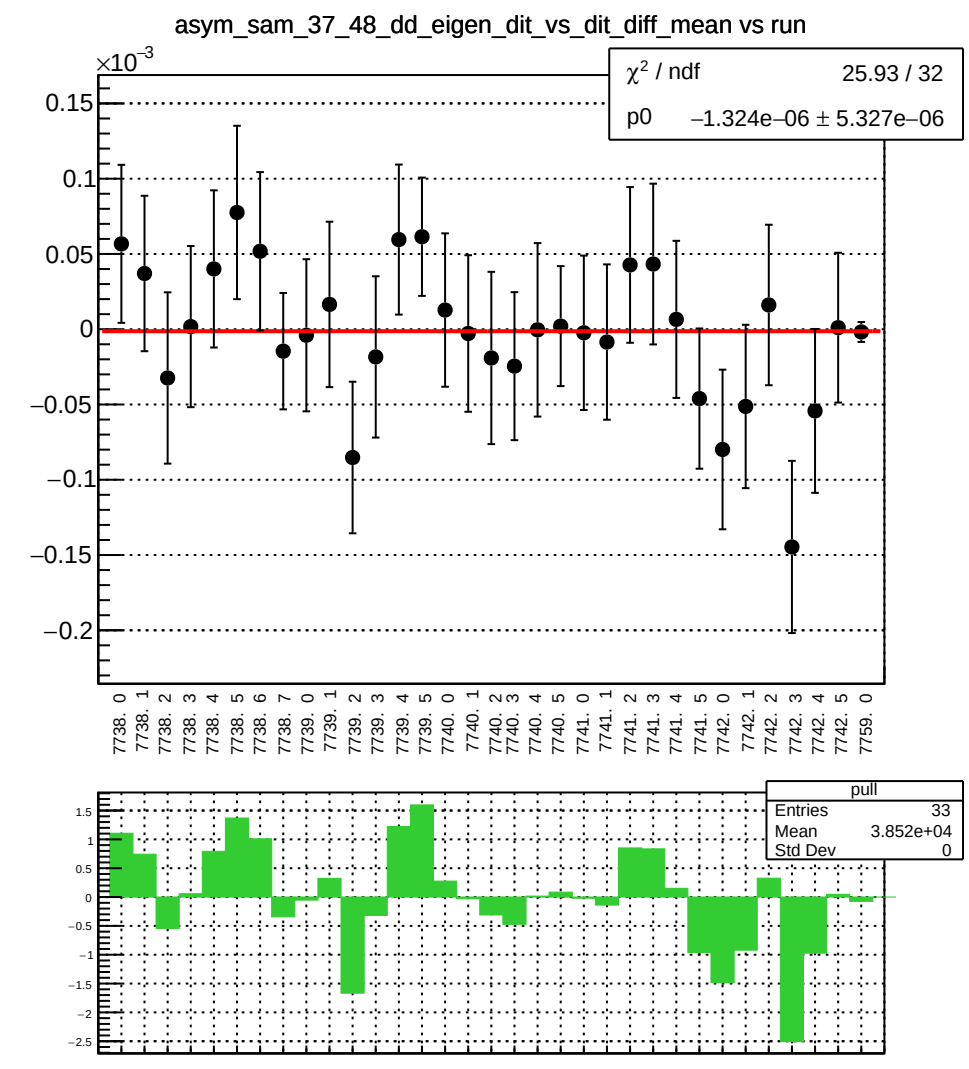


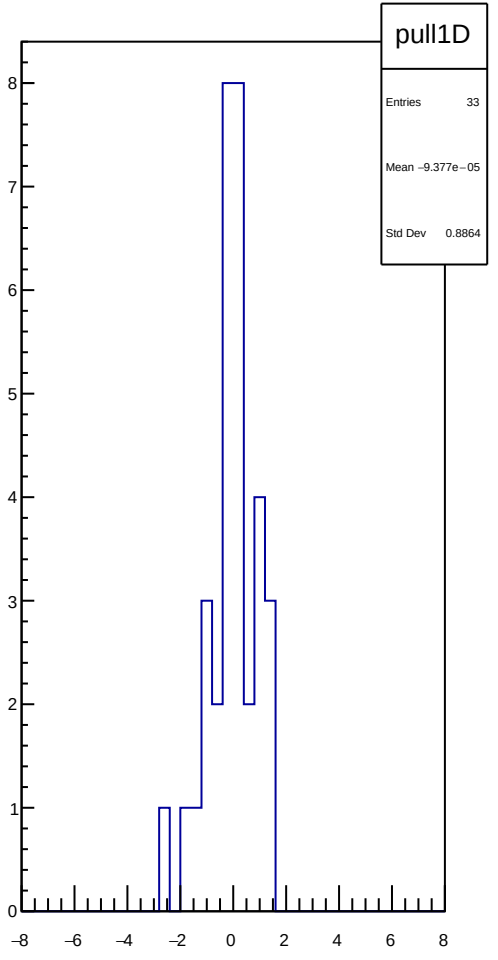


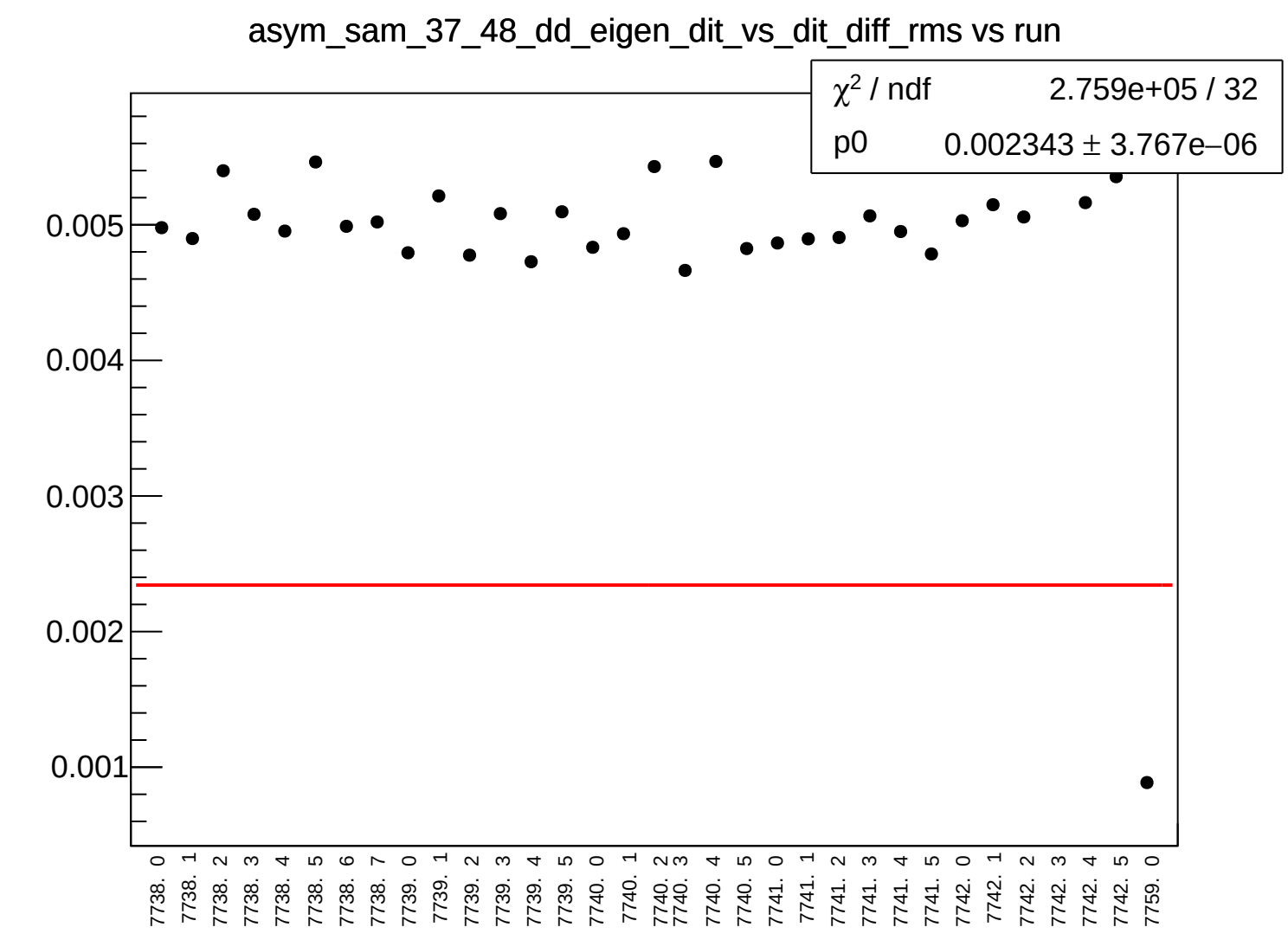

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.894e+04 / 32
p0 56.09 ± 0.0699
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

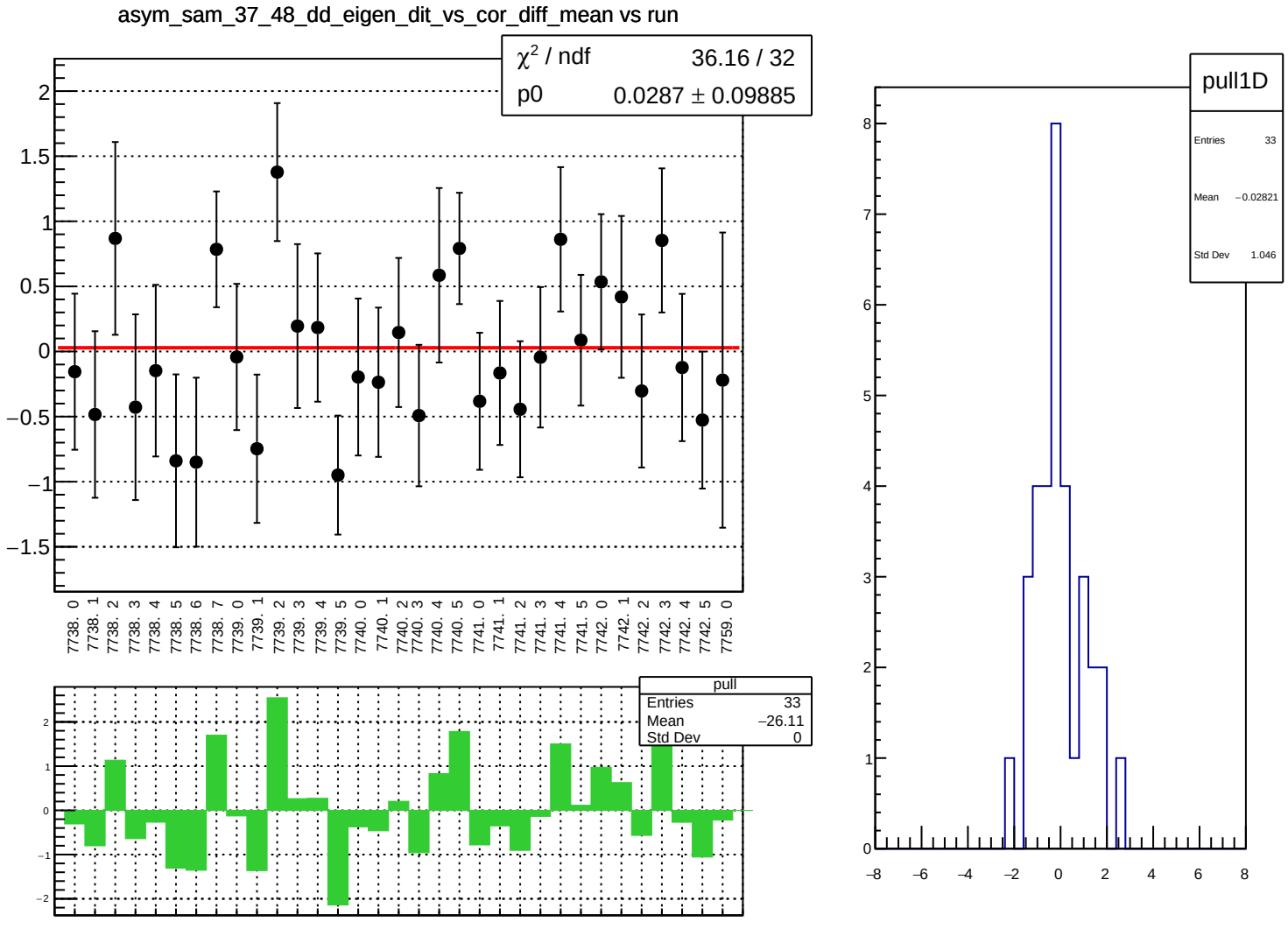

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.16 / 32
p0 0.0287 ± 0.09885
2
1.5
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −26.12
Std Dev 0
pull1D
Entries 33
Mean −0.02822
Std Dev 1.046

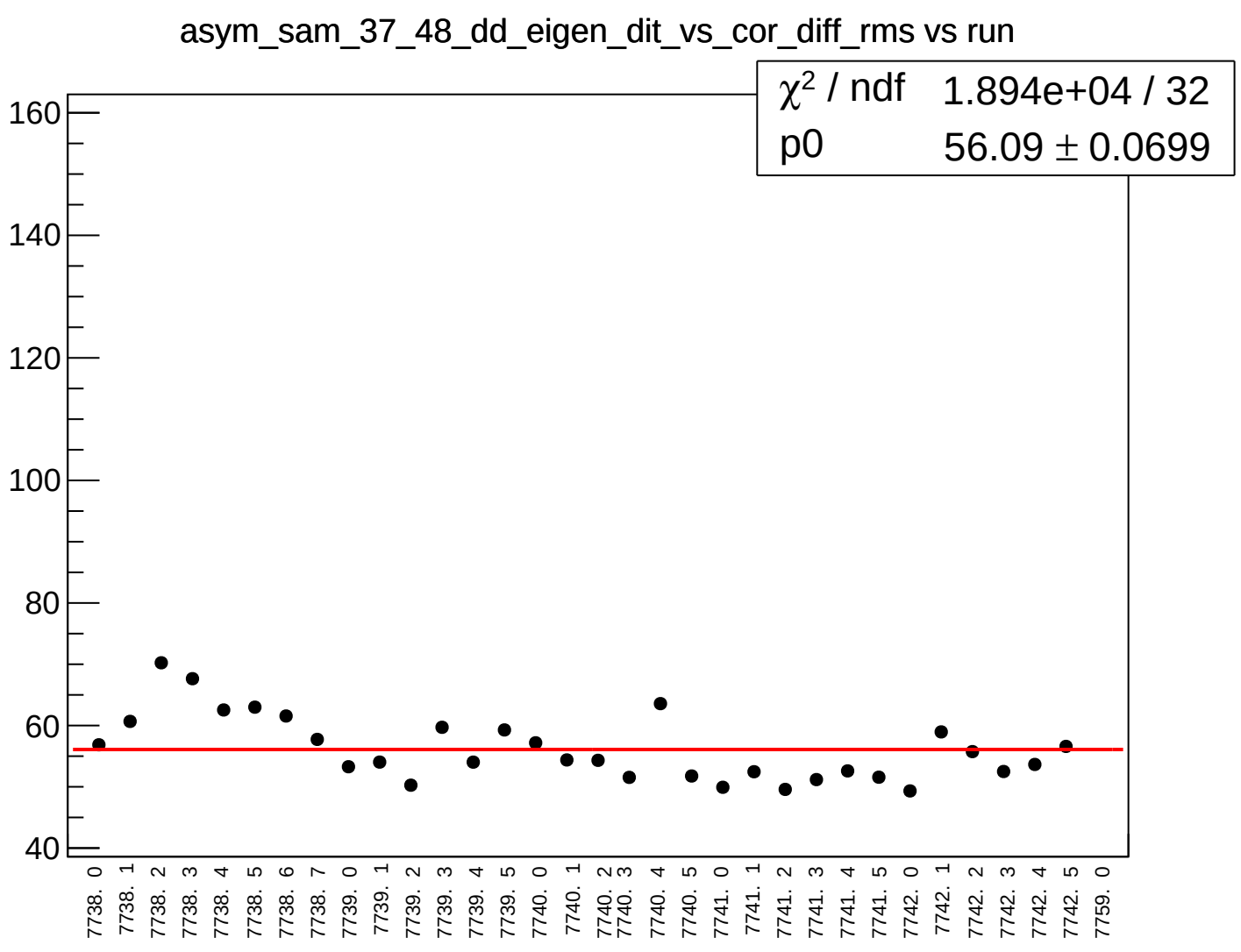

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.894e+04 / 32
p0 56.09 ± 0.0699
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 25.93 / 32
p0 −1.324e−06 ± 5.327e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.852e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

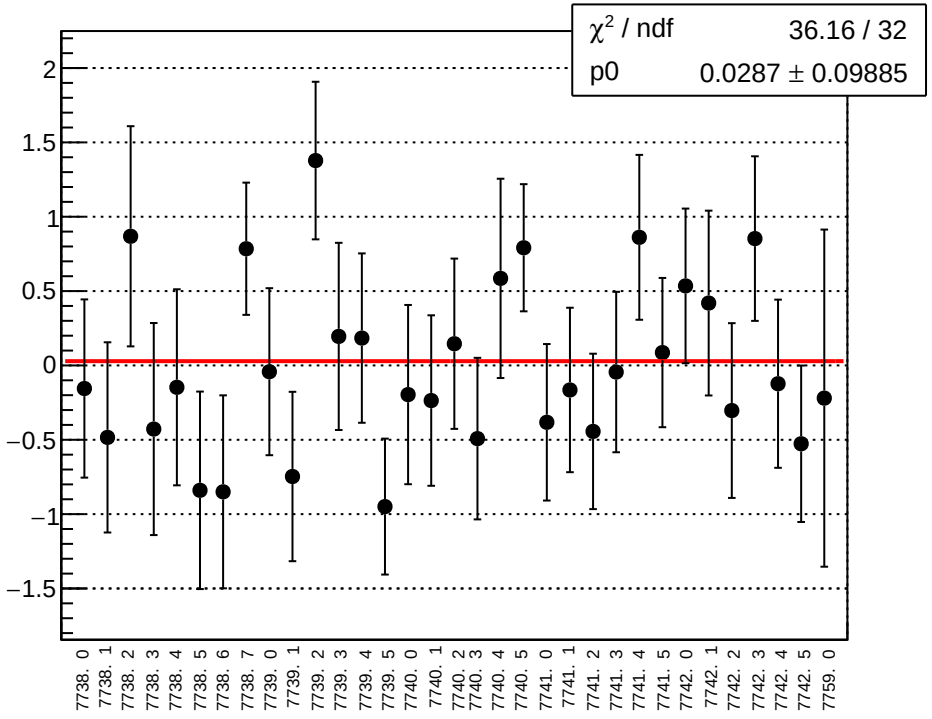

pull1D
Entries 33
Mean −9.377e−05
Std Dev 0.8864
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

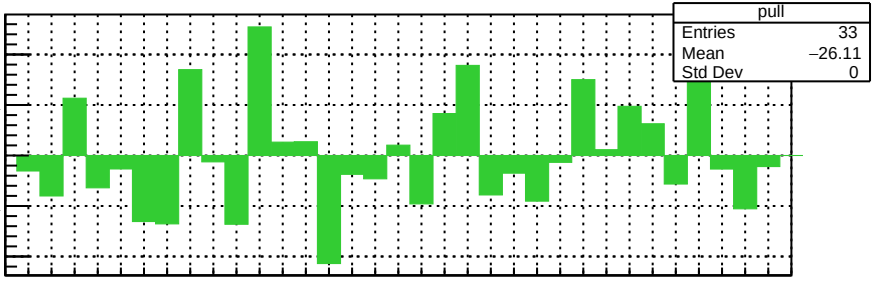

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.759e+05 / 32
p0 0.002343 ± 3.767e−06
0.005
0.004
0.003
0.002
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

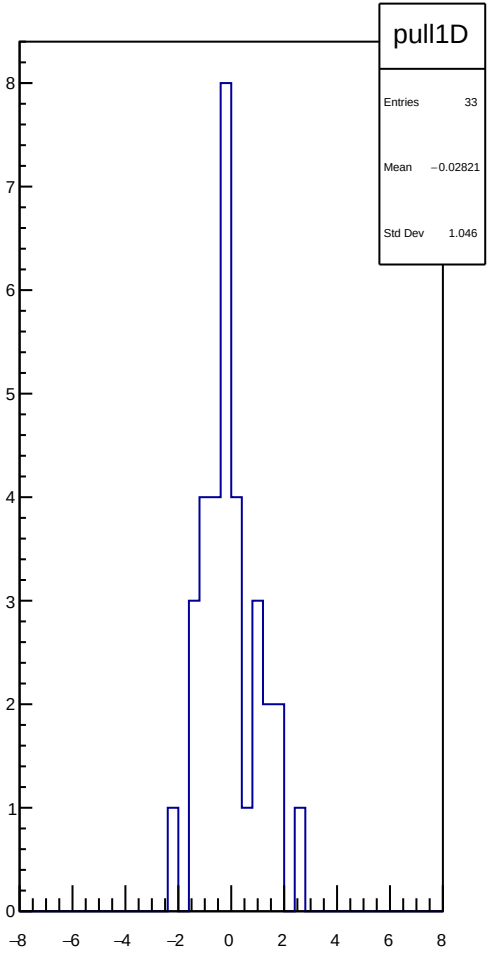

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.16 / 32
p0 0.0287 ± 0.09885
pull
Entries 33
Mean −26.11
Std Dev 0
pull1D
Entries 33
Mean −0.02821
Std Dev 1.046

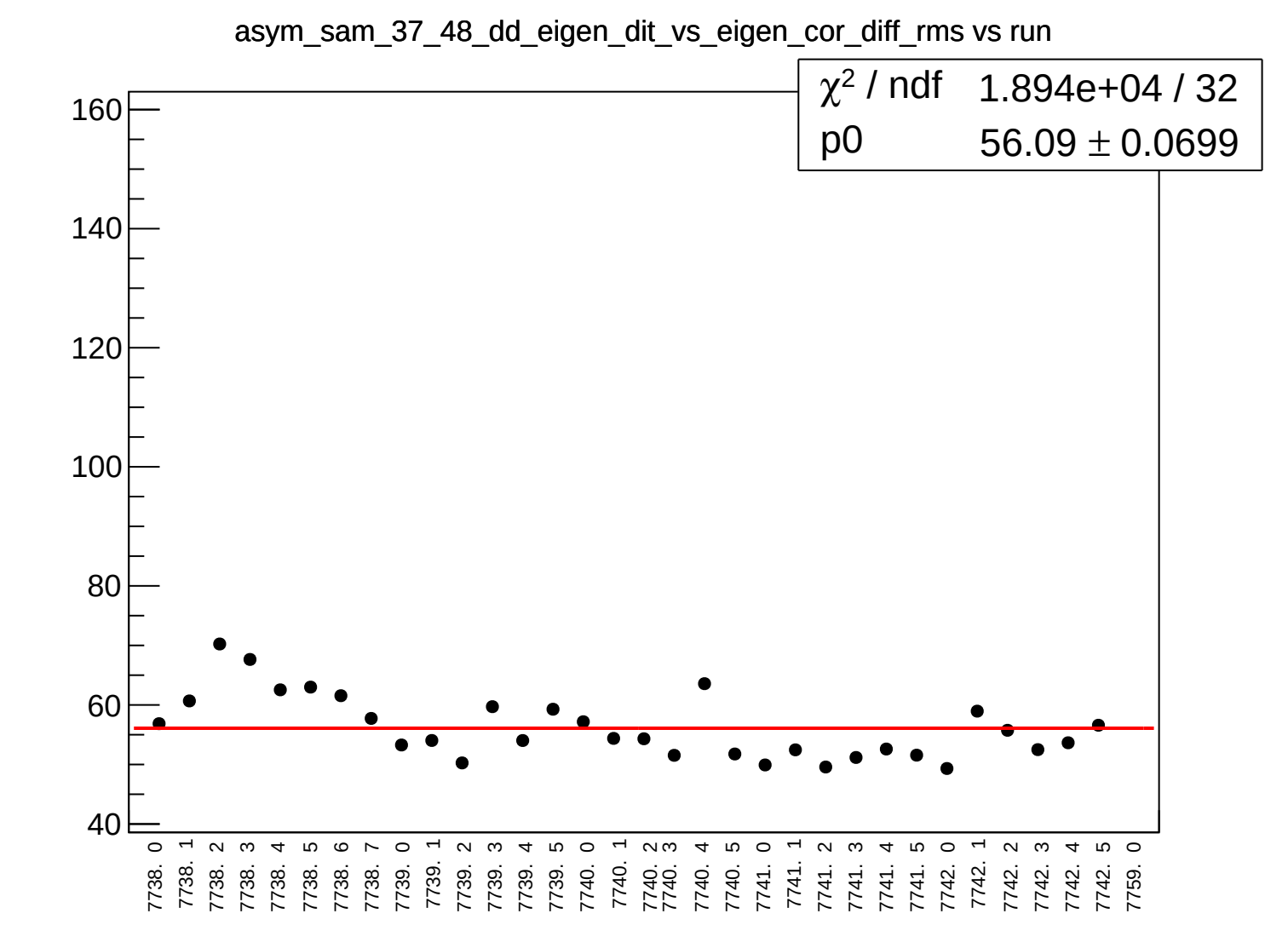

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.894e+04 / 32
p0 56.09 ± 0.0699
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

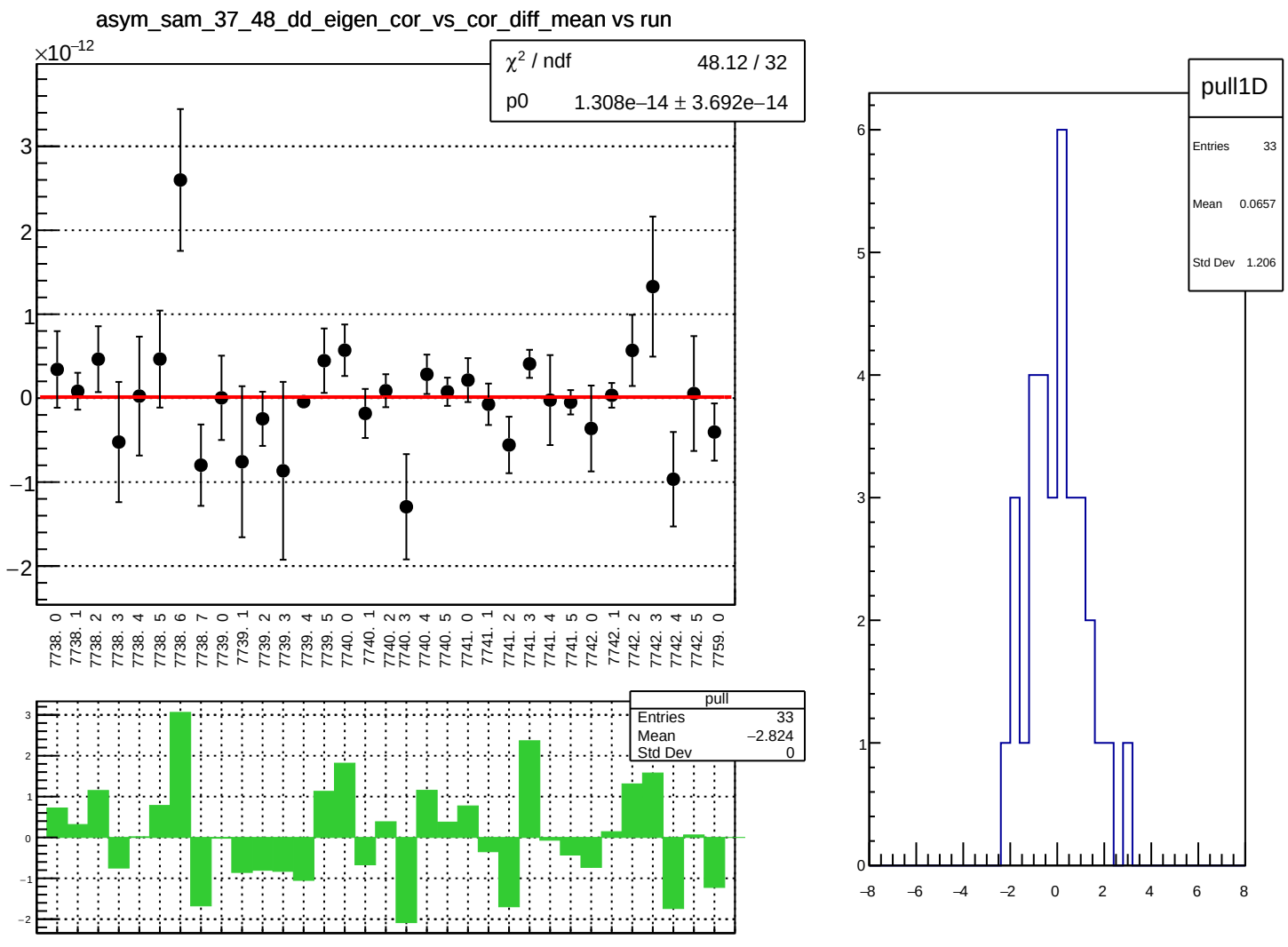
asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

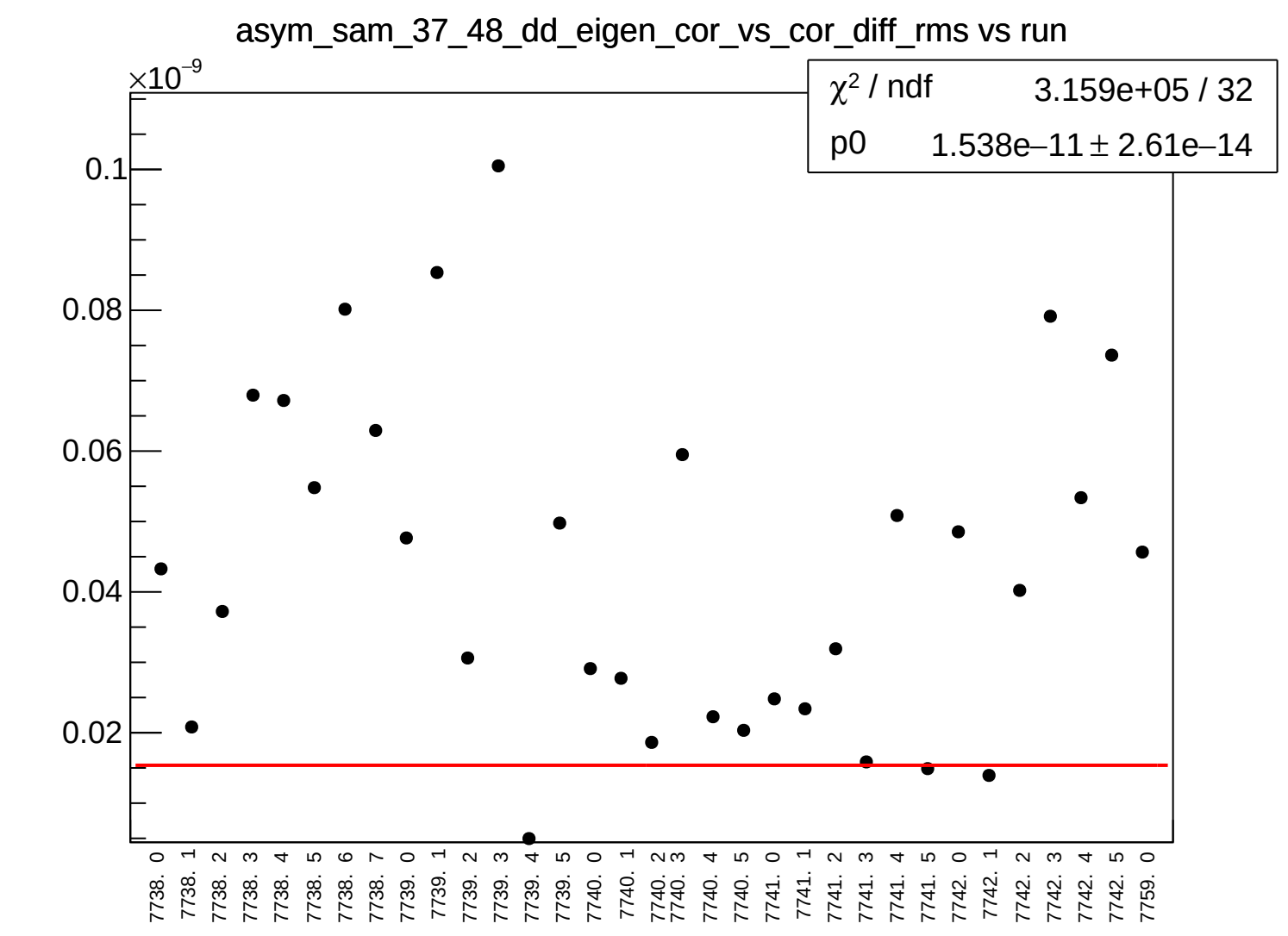


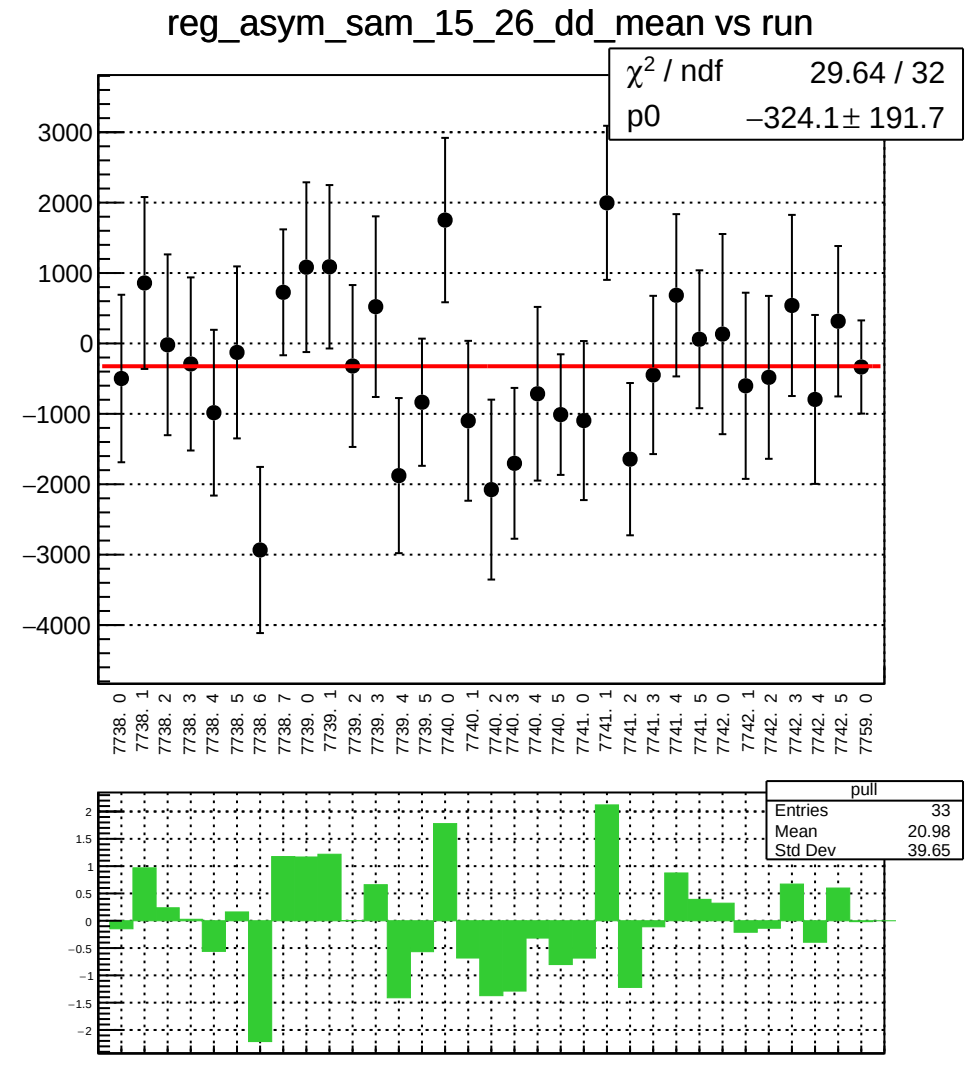


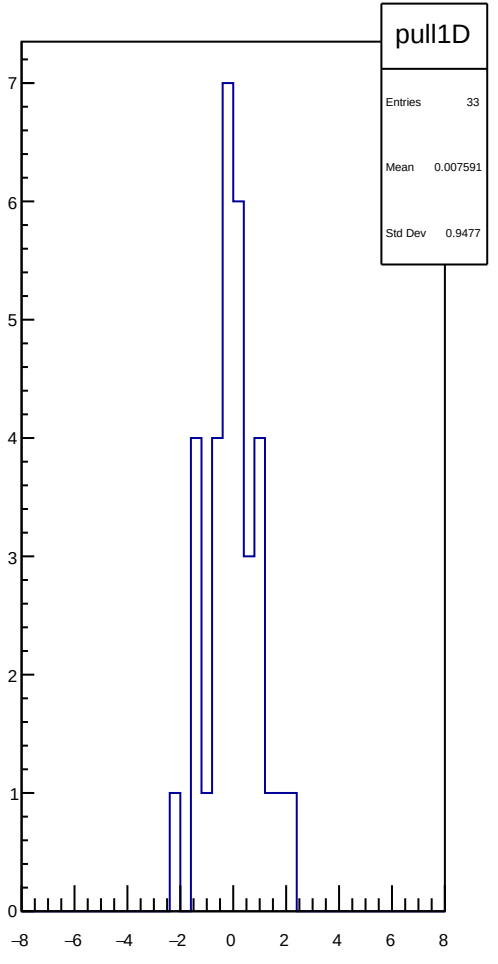


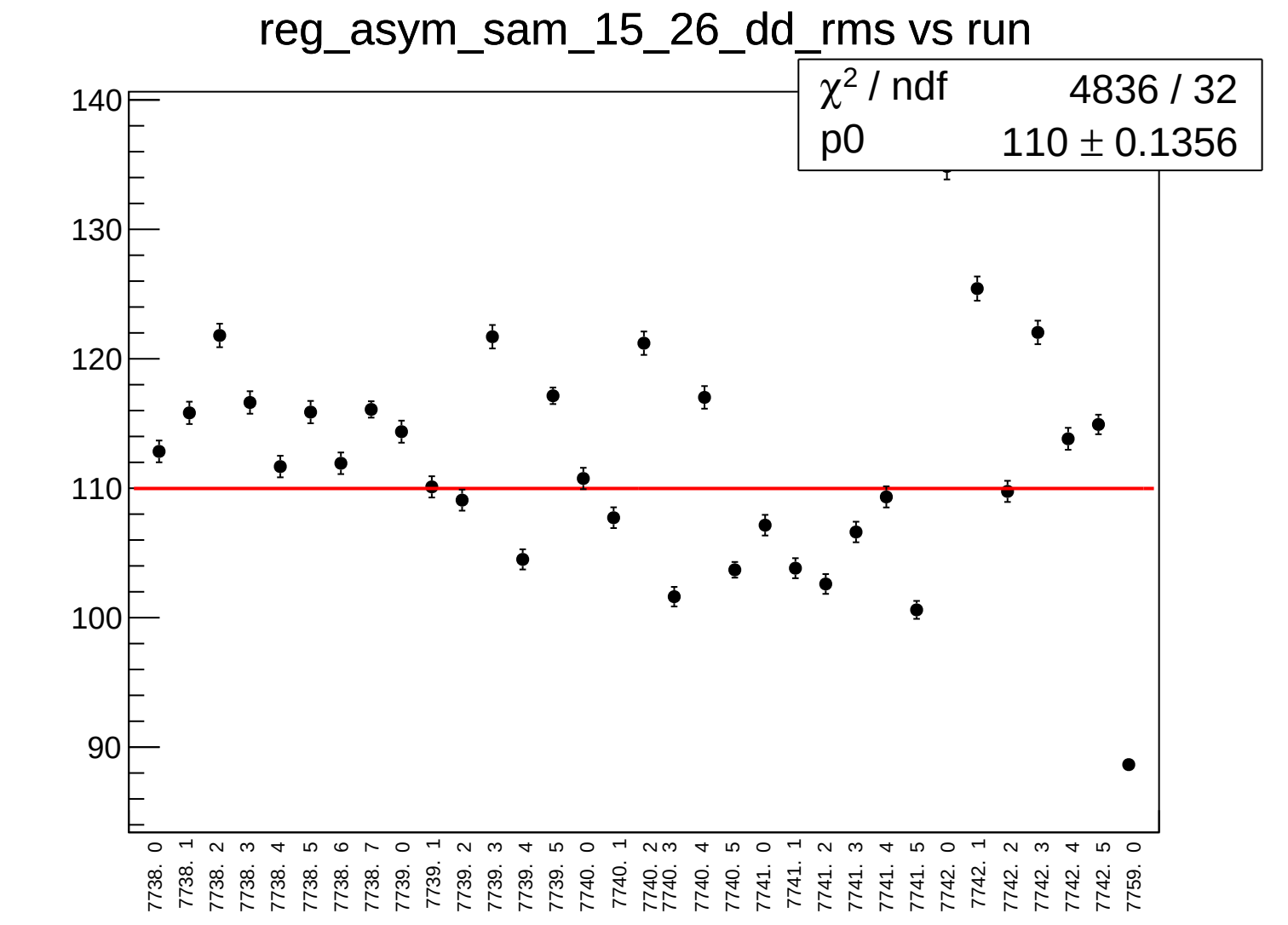

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.894e+04 / 32
p0 56.09 ± 0.0699
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

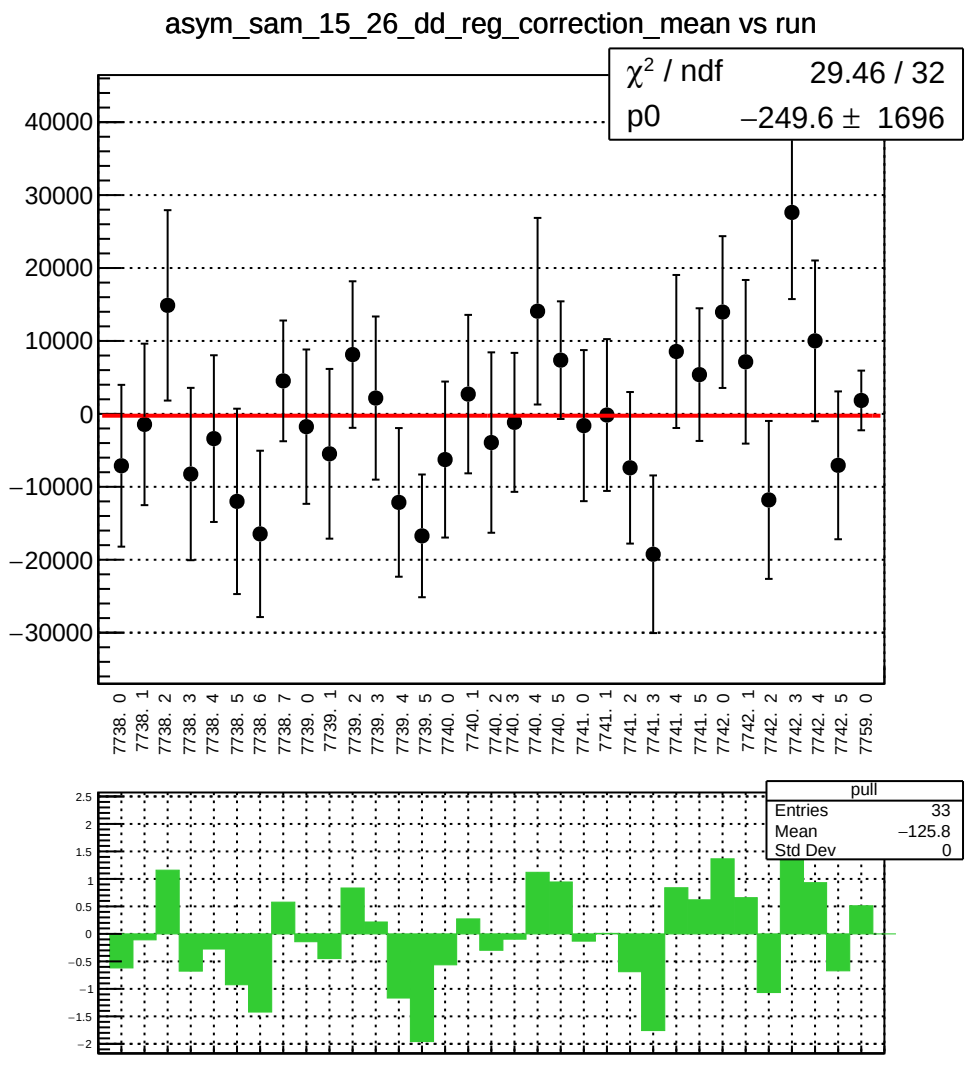

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.12 / 32
p0 1.308e−14 ± 3.692e−14
3
2
1
0
−1
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.824
Std Dev 0
pull1D
Entries 33
Mean 0.0657
Std Dev 1.206
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

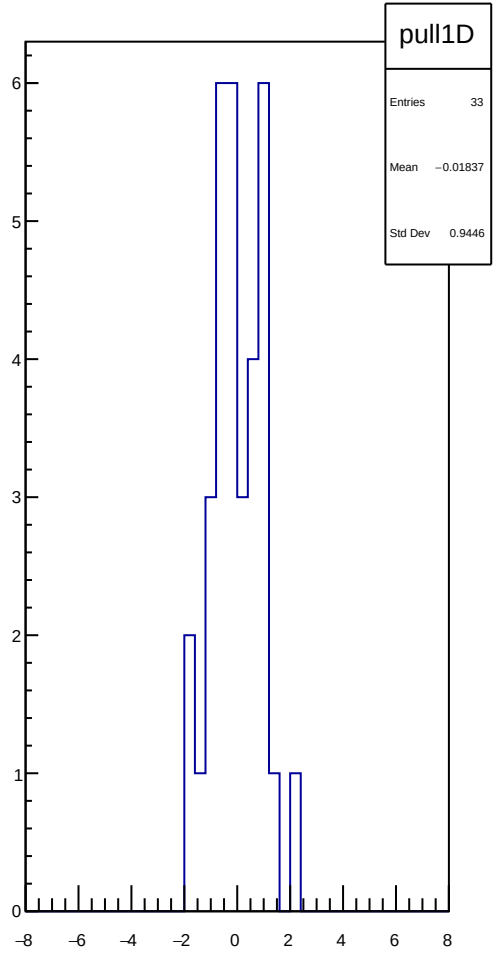

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.159e+05 / 32
p0 1.538e−11 ± 2.61e−14
0.1
0.08
0.06
0.04
0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

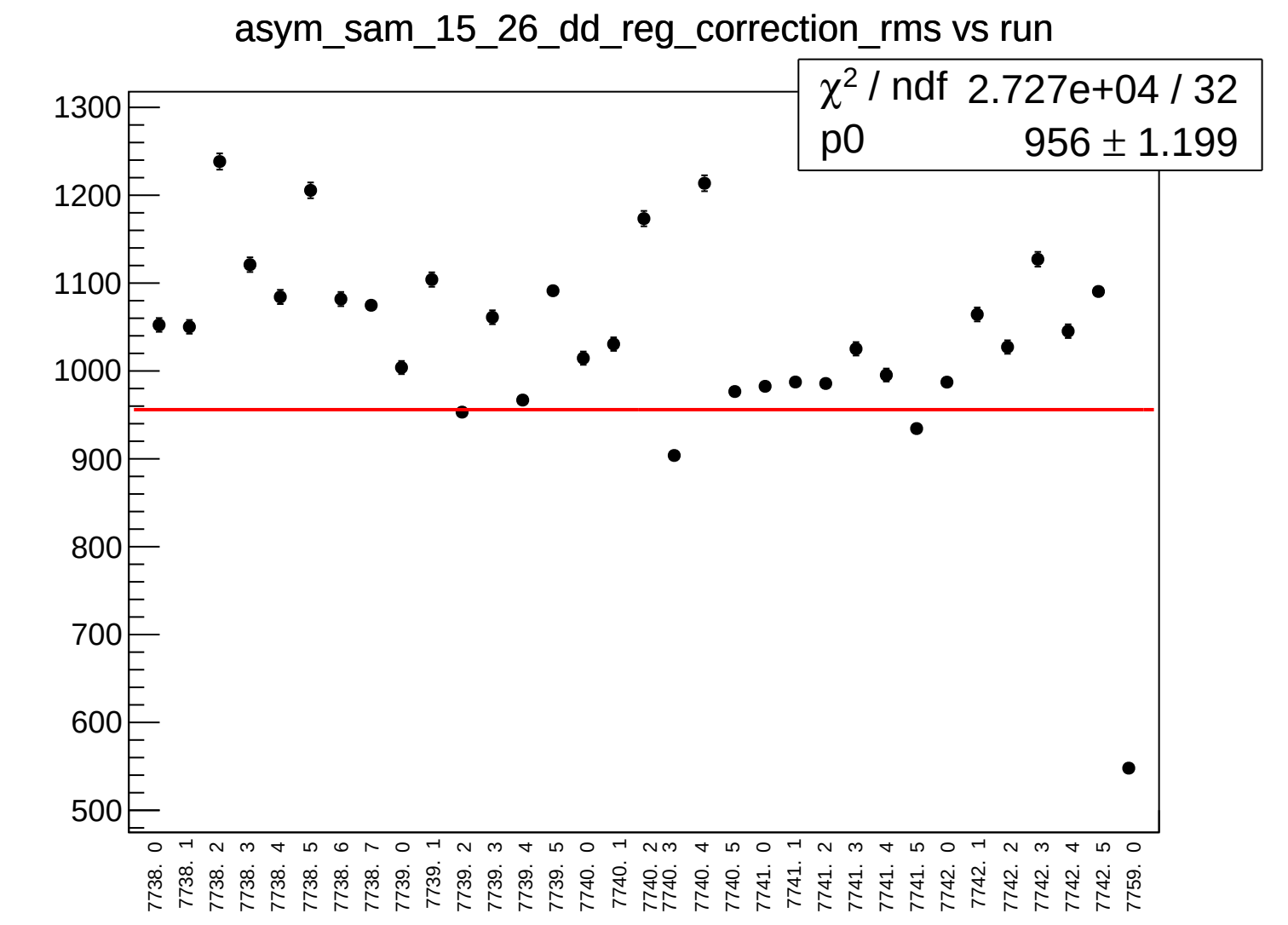

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 29.64 / 32
p0 −324.1± 191.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.98
Std Dev 39.65
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

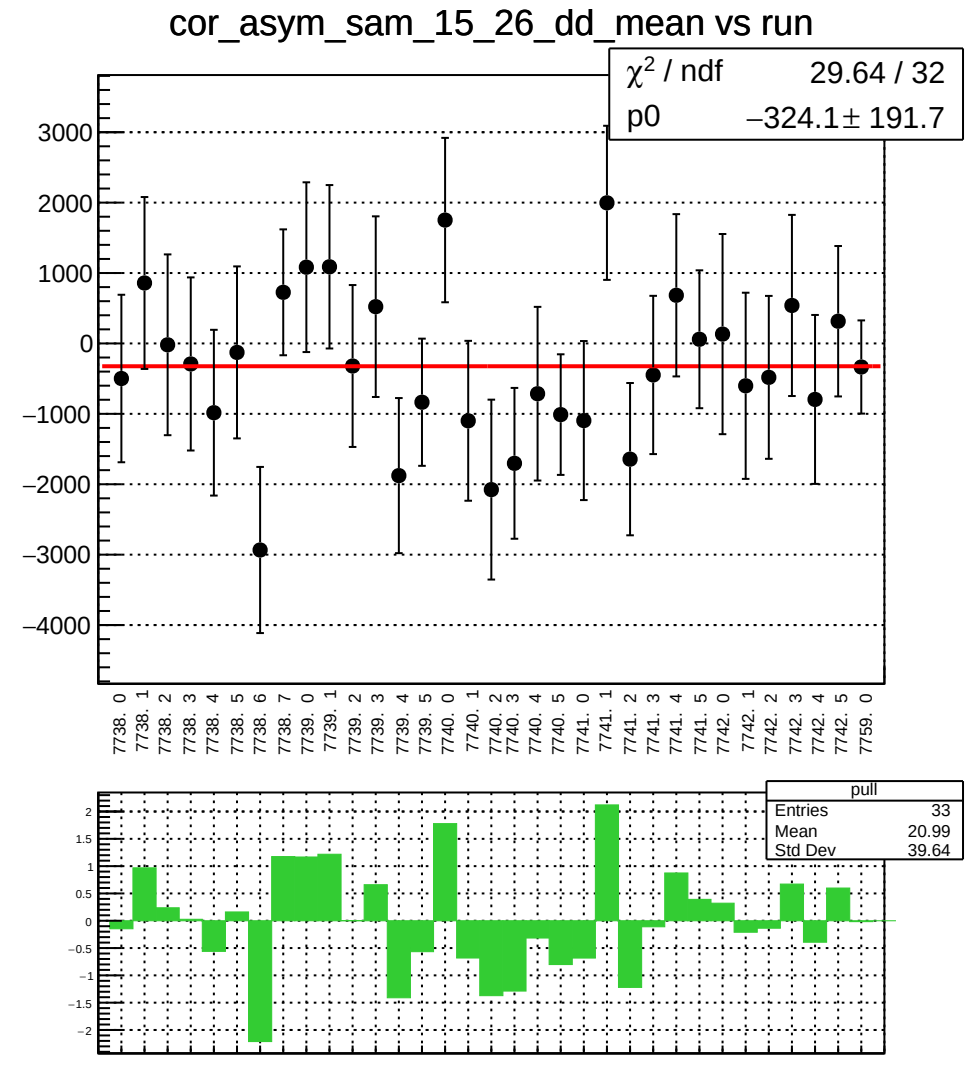

pull1D
Entries 33
Mean 0.007591
Std Dev 0.9477
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

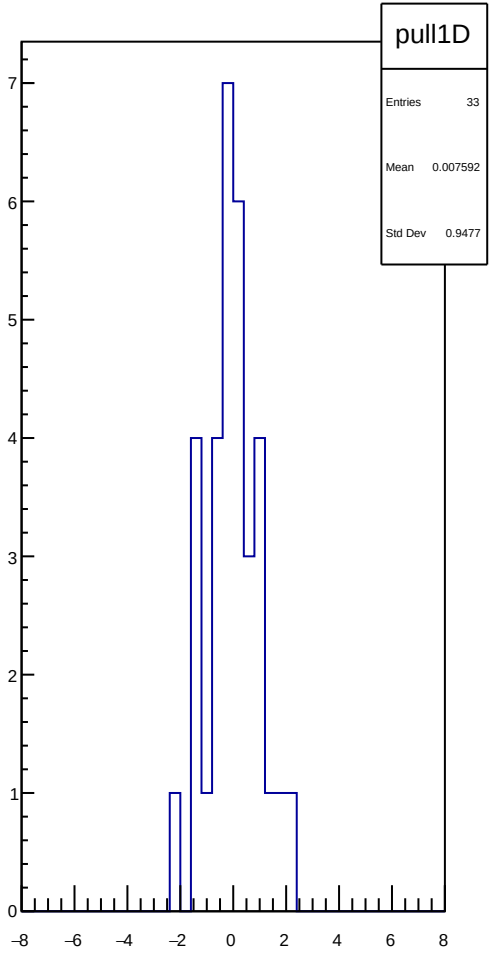

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 4836 / 32
p0 110 ± 0.1356
140
130
120
110
100
90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

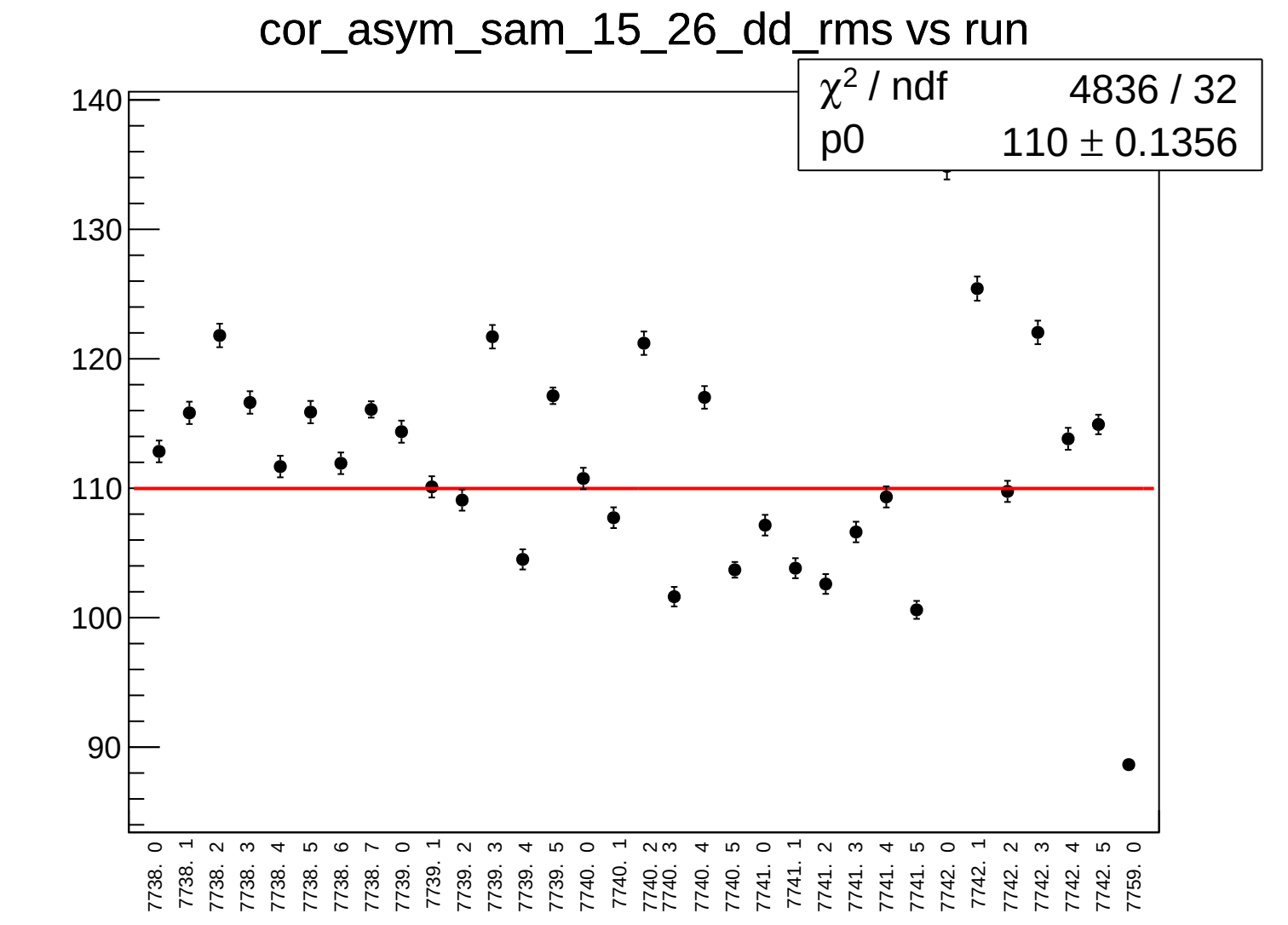

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 29.46 / 32
p0 −249.6 ± 1696
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −125.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

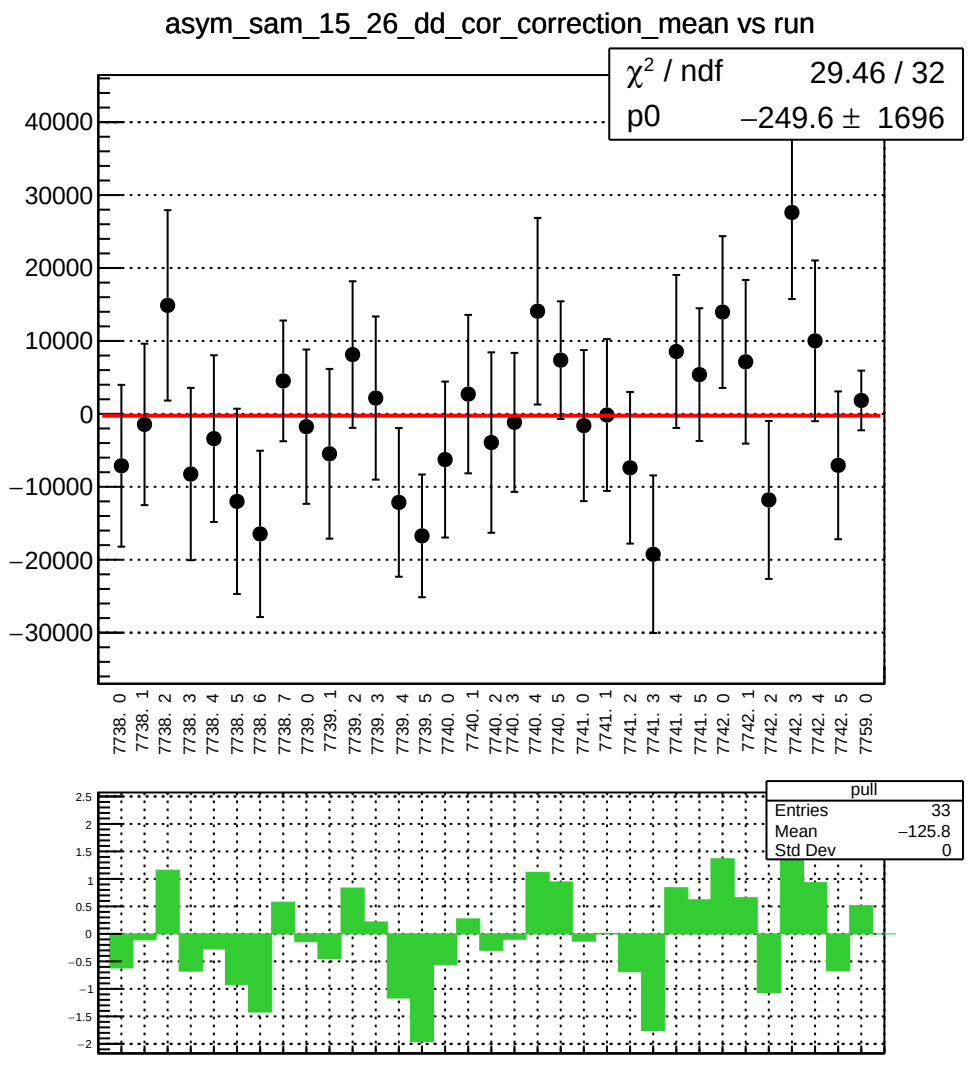

pull1D
Entries 33
Mean −0.01837
Std Dev 0.9446
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

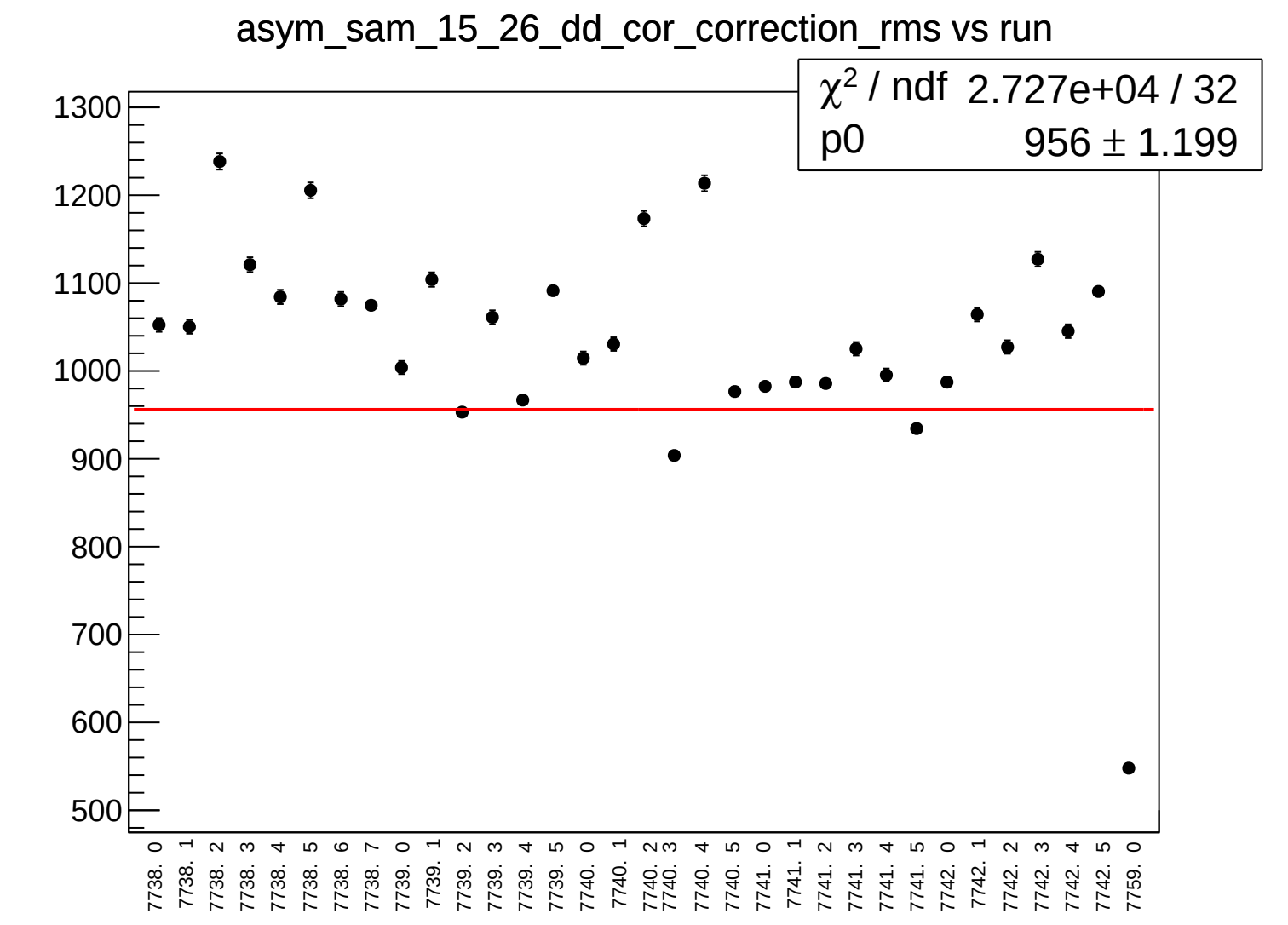

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 2.727e+04 / 32
p0 956 ± 1.199
1300
1200
1100
1000
900
800
700
600
500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

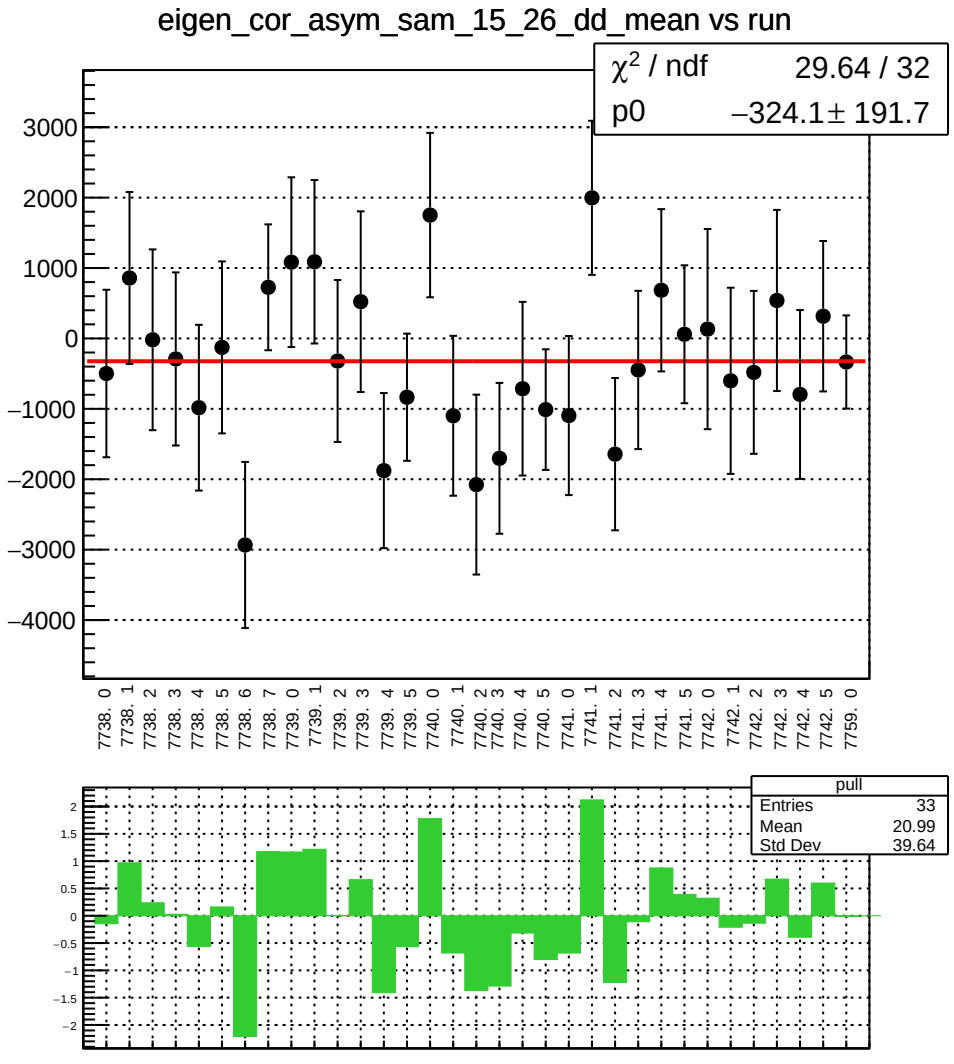

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 29.64 / 32
p0 −324.1± 191.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.99
Std Dev 39.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

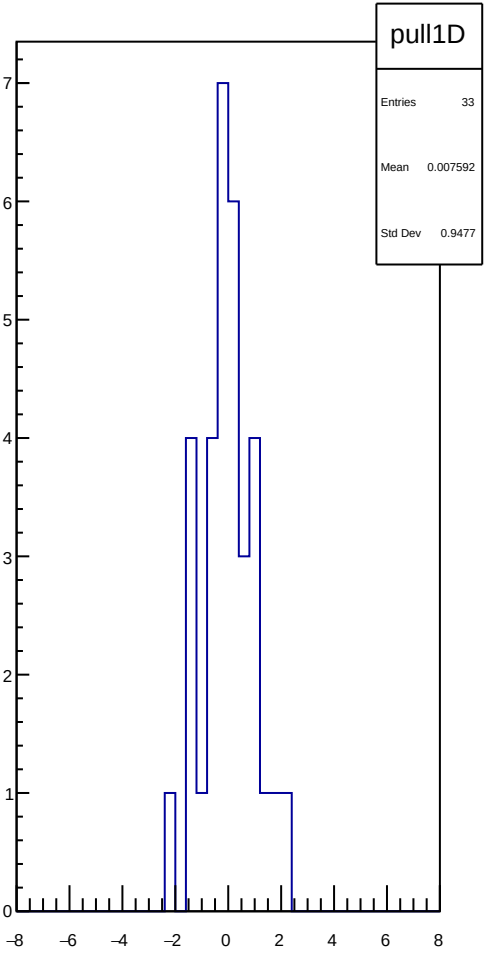

pull1D
Entries 33
Mean 0.007592
Std Dev 0.9477
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

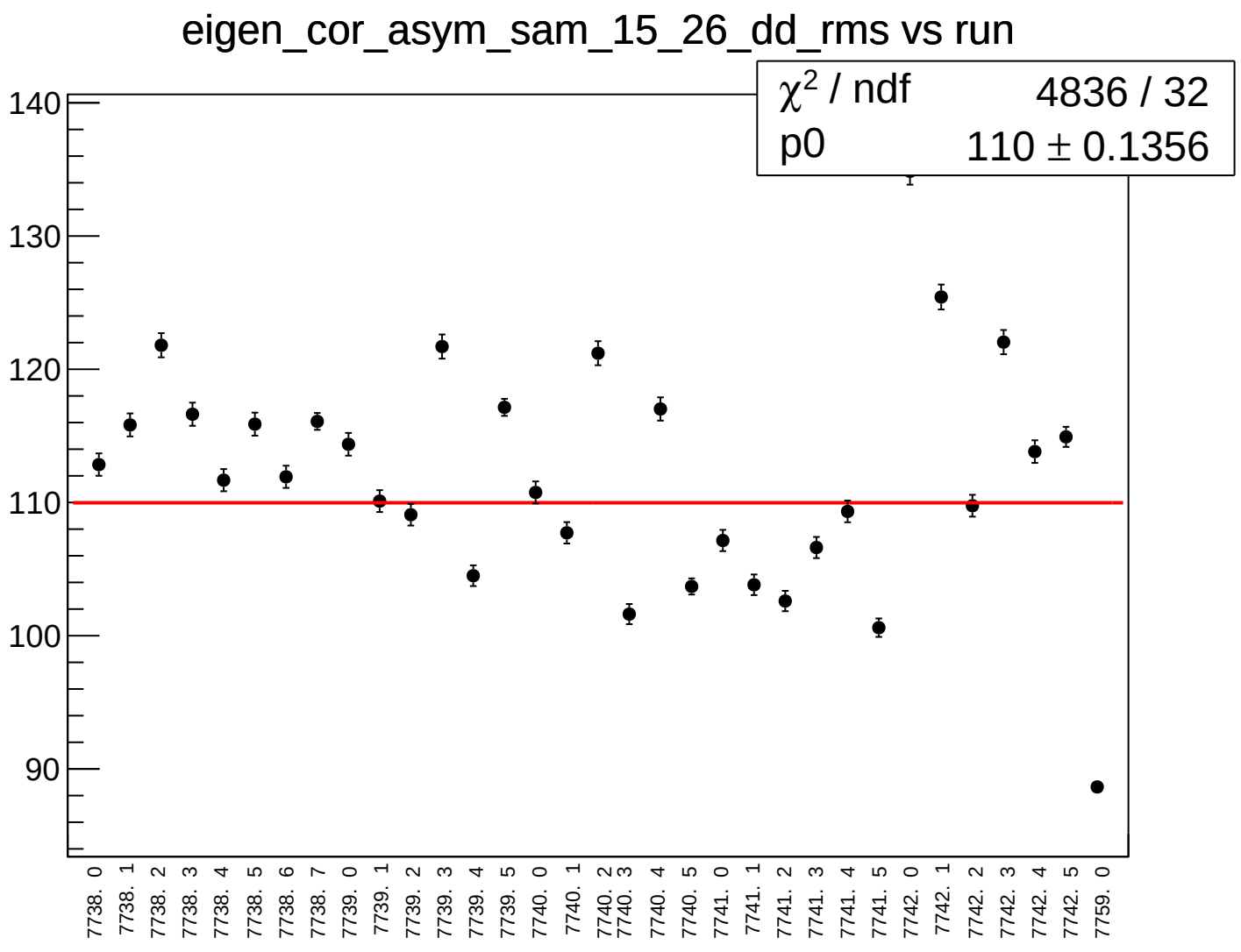

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 4836 / 32
p0 110 ± 0.1356
140
130
120
110
100
90
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

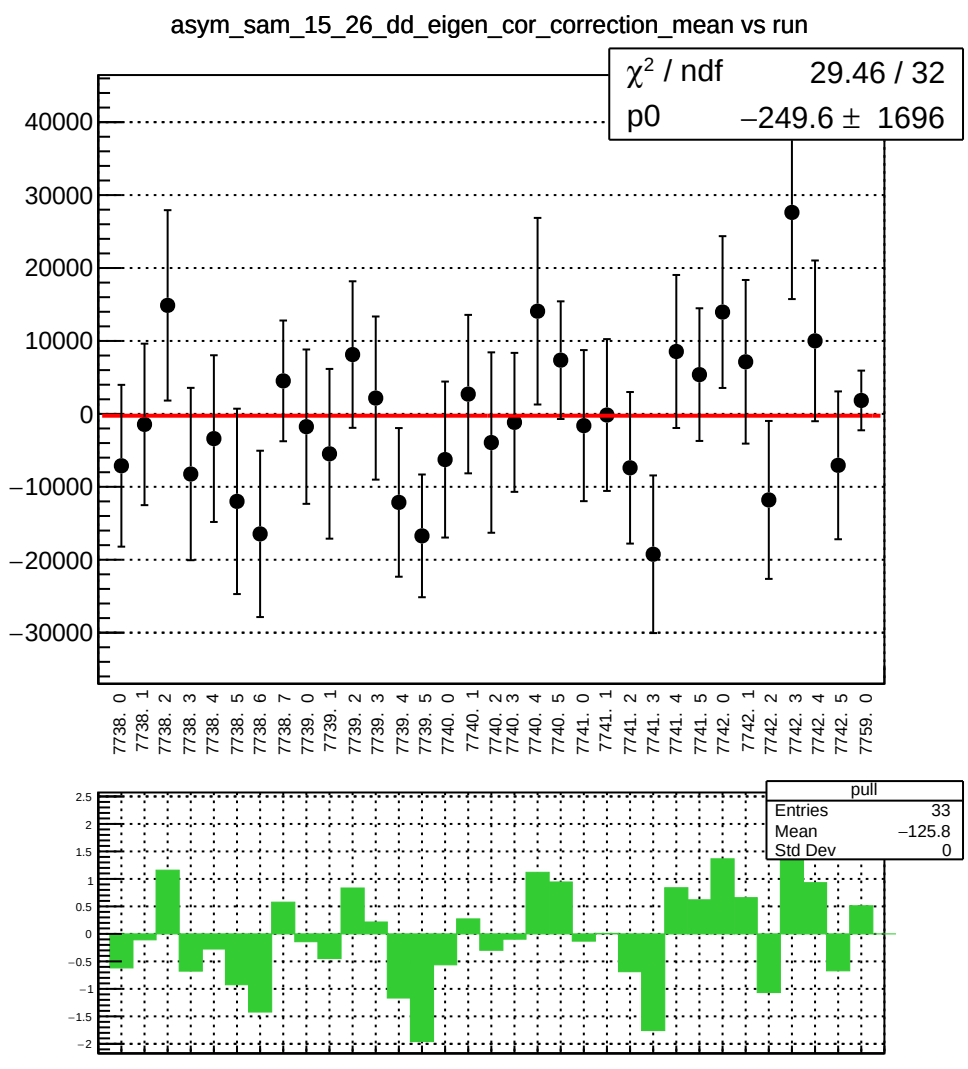

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 29.46 / 32
p0 −249.6 ± 1696
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −125.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01837
Std Dev 0.9446
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

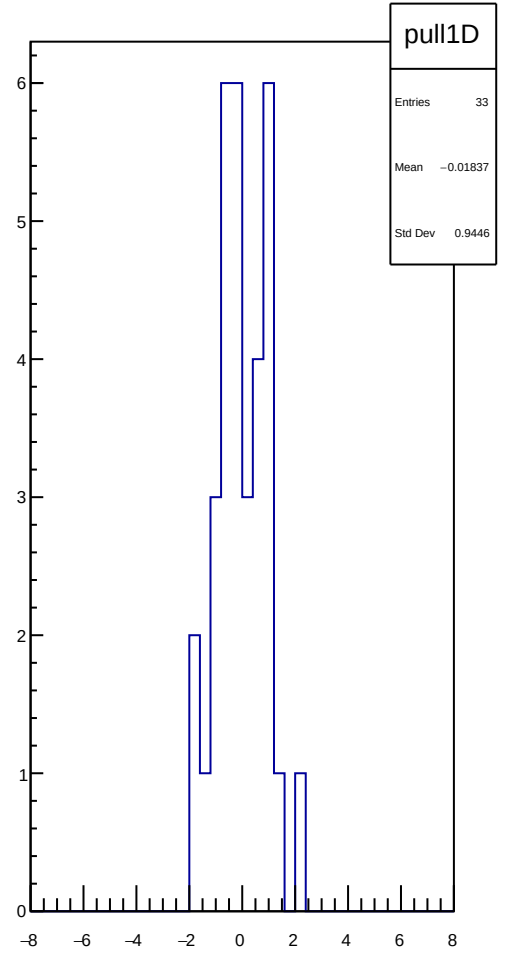

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 2.727e+04 / 32
p0 956 ± 1.199
1300
1200
1100
1000
900
800
700
600
500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

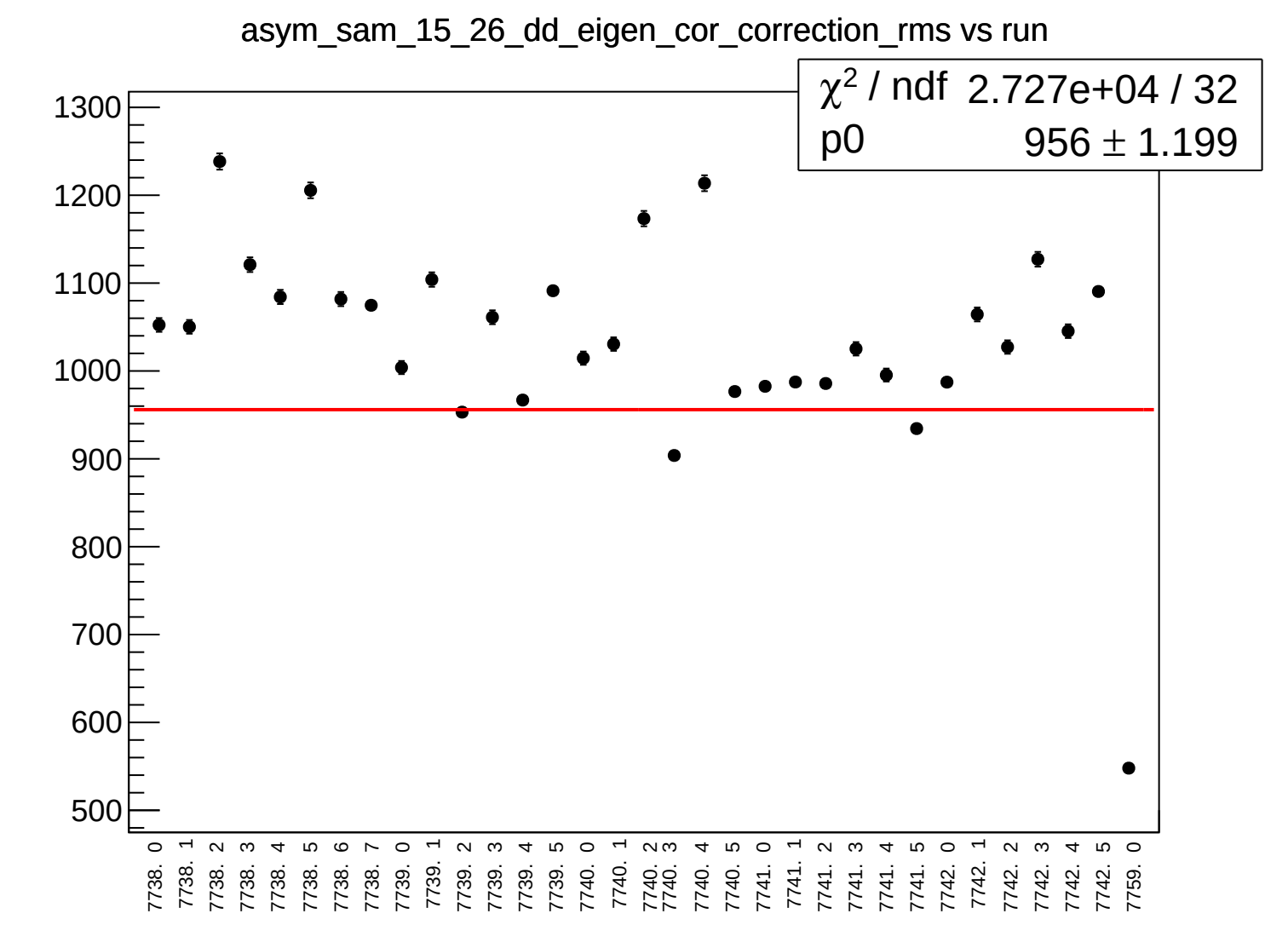

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 29.64 / 32
p0 −324.1± 191.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.99
Std Dev 39.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

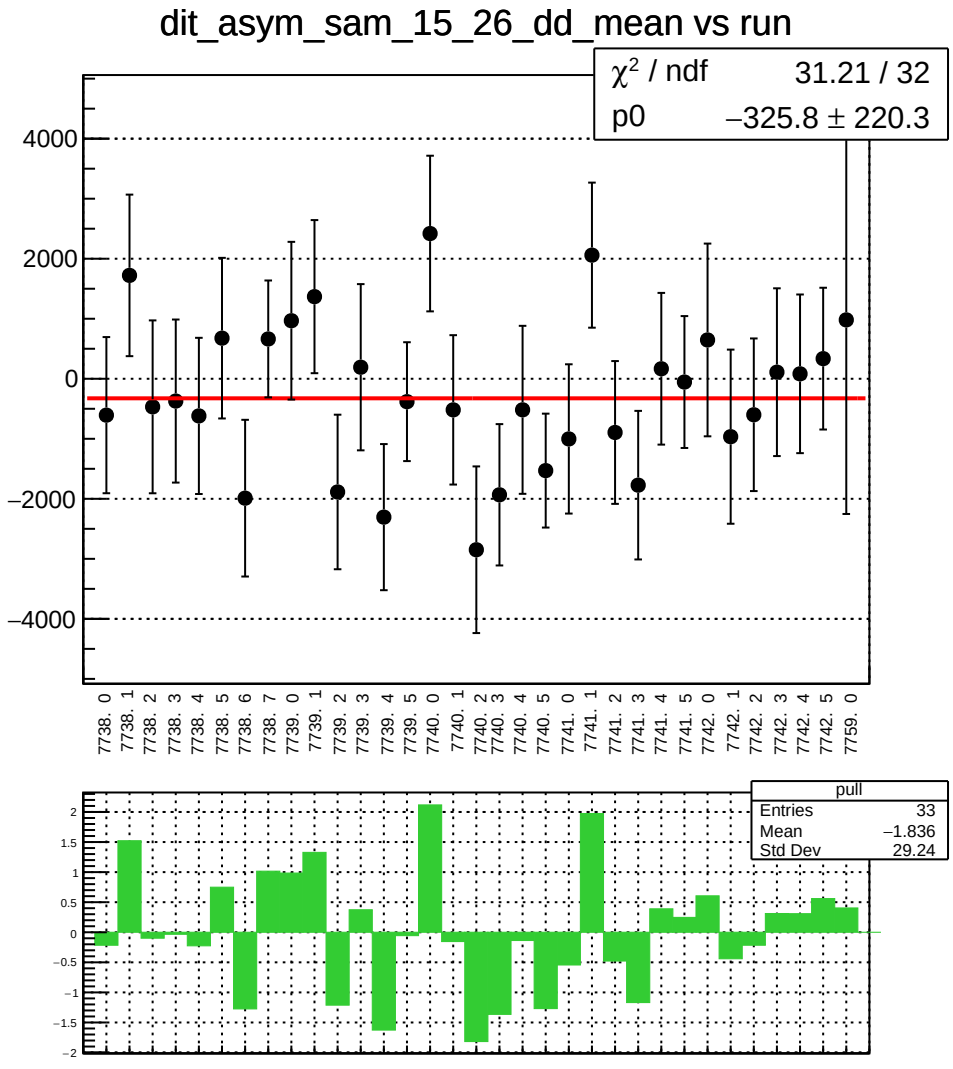

pull1D
Entries 33
Mean 0.007592
Std Dev 0.9477
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

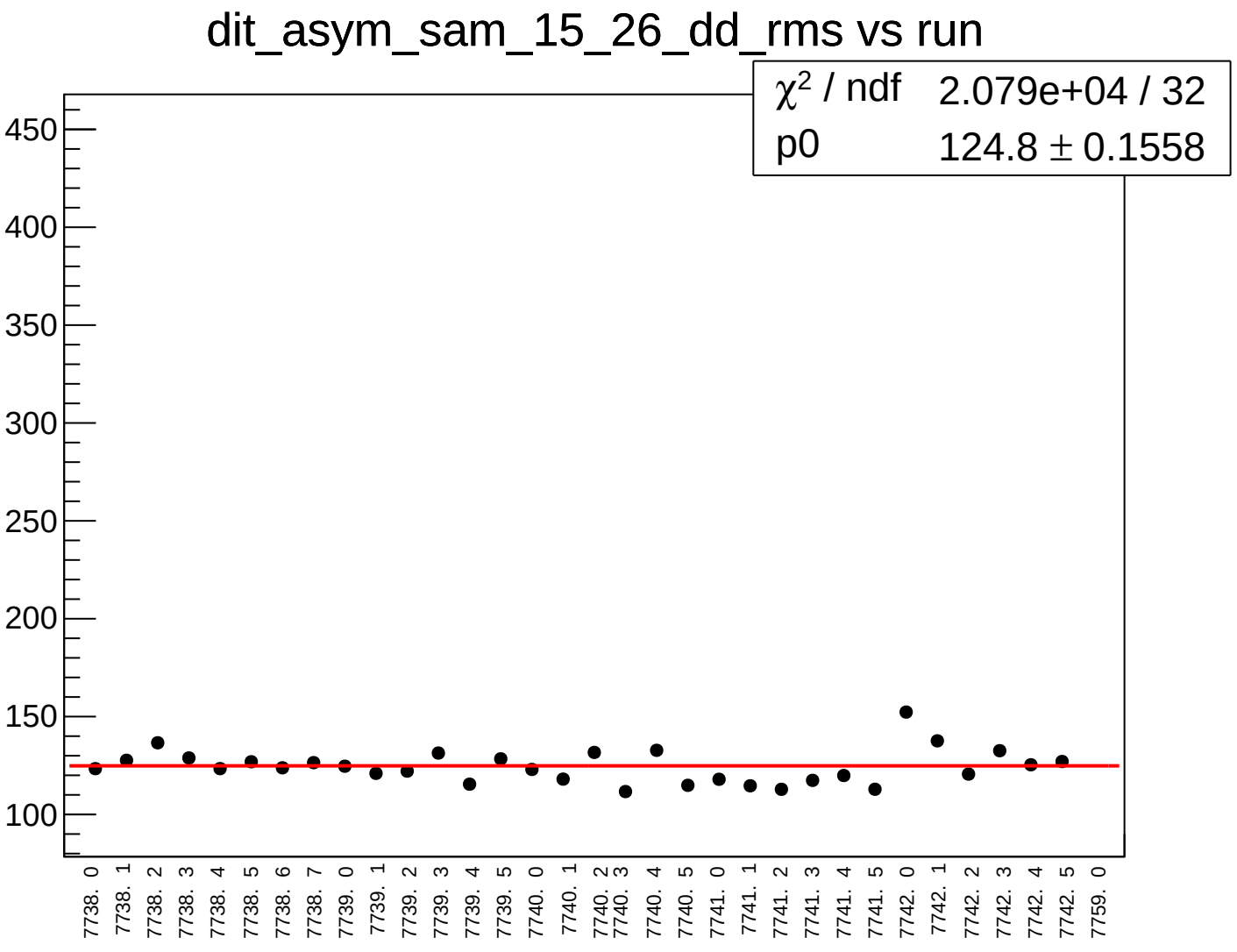

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 4836 / 32
p0 110 ± 0.1356
140
130
120
110
100
90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

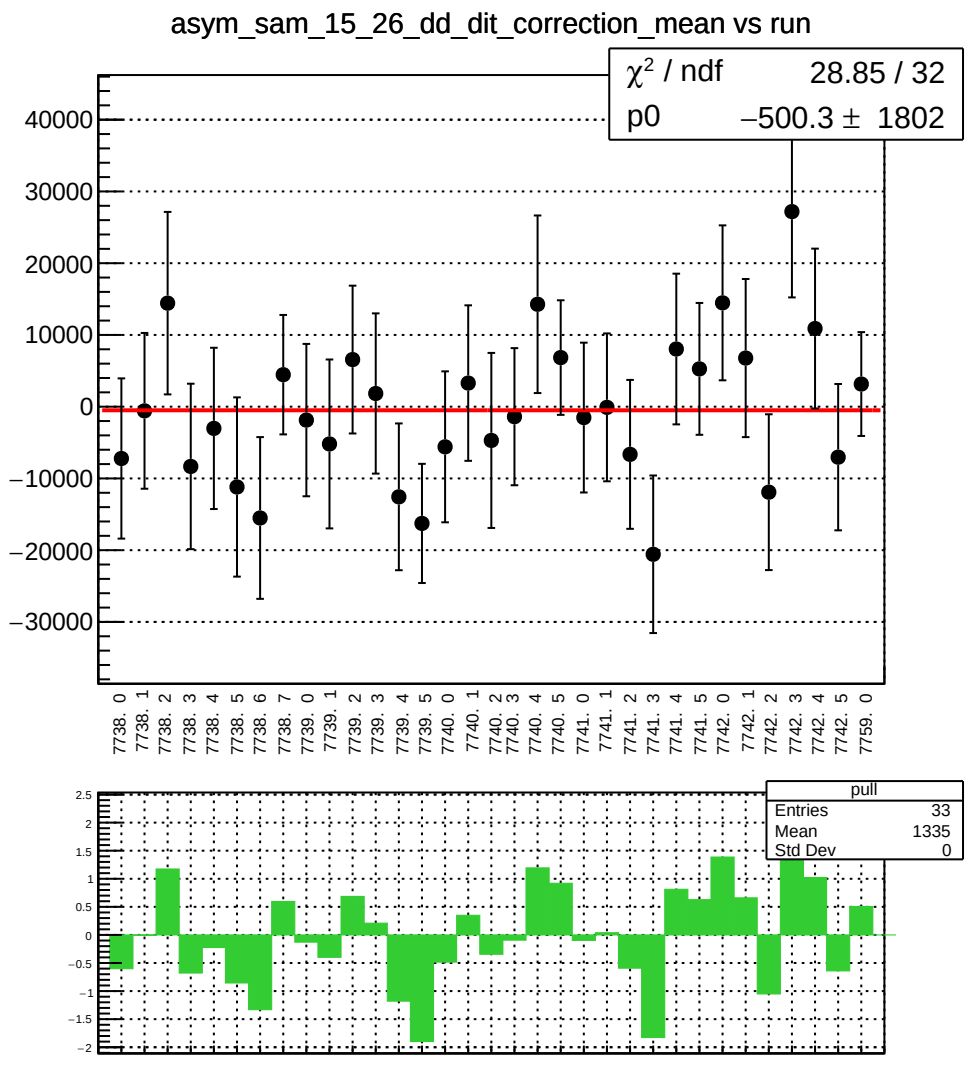

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 29.46 / 32
p0 −249.6 ± 1696
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −125.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

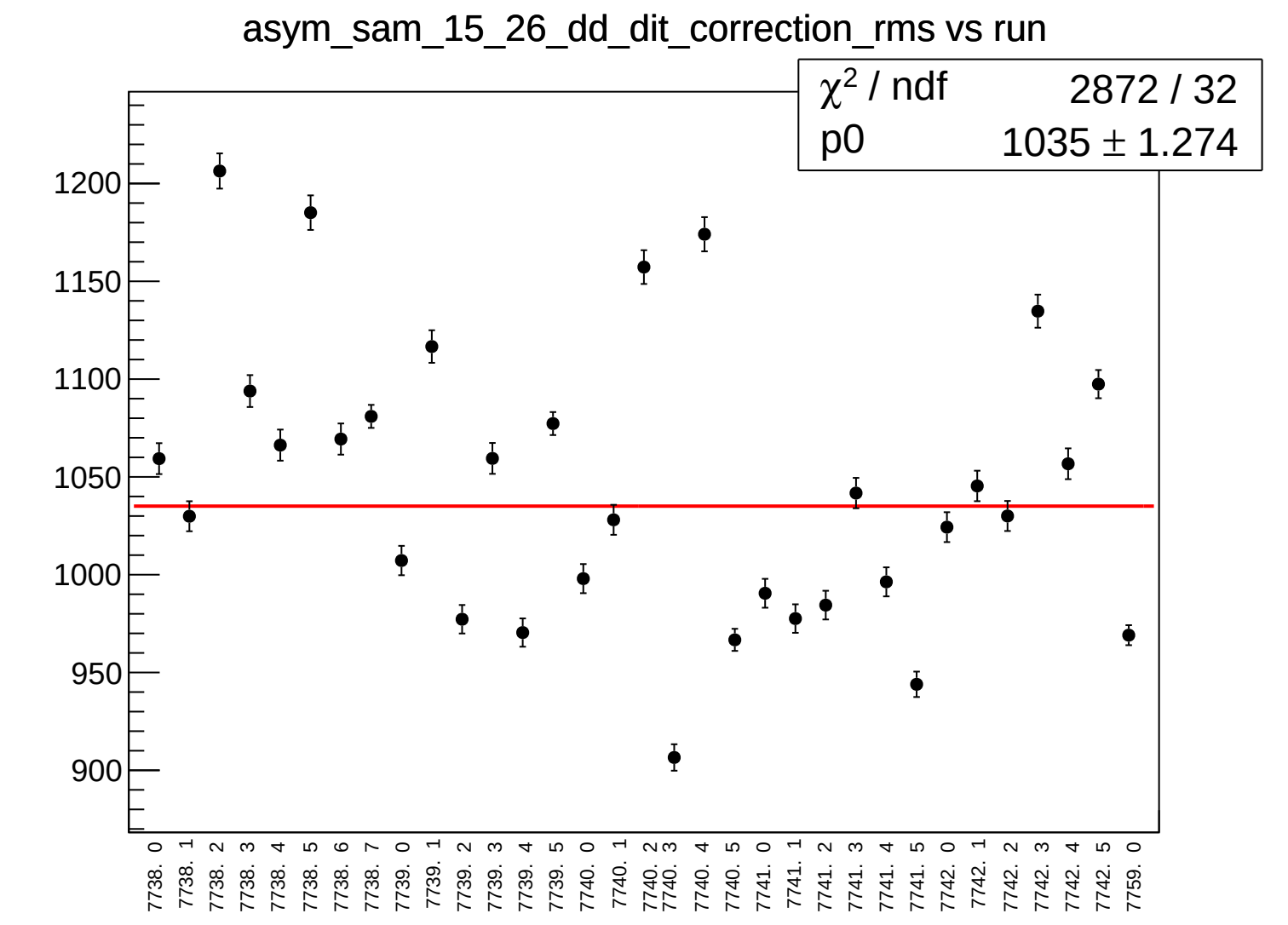

pull1D
Entries 33
Mean −0.01837
Std Dev 0.9446
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

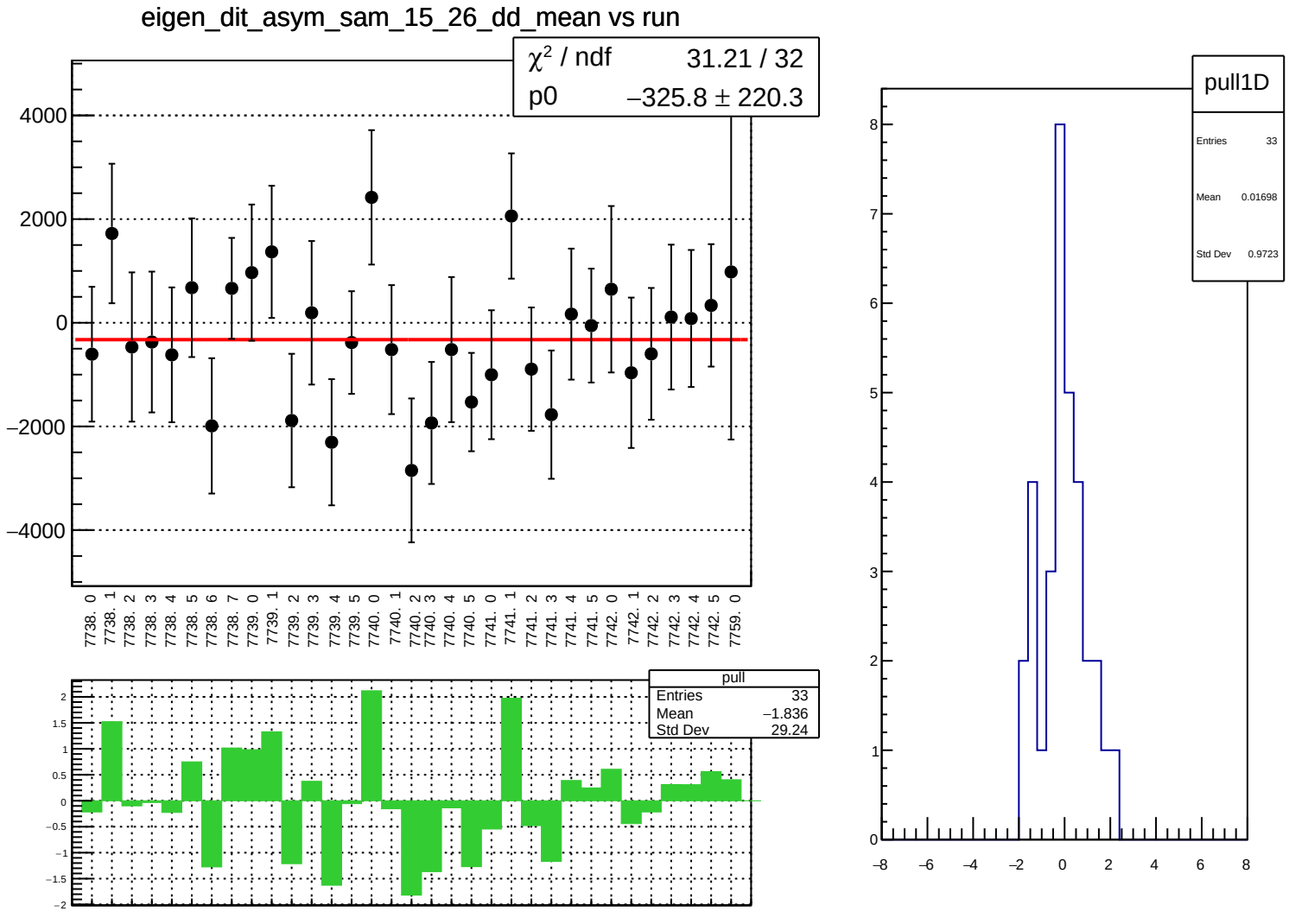

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.727e+04 / 32
p0 956 ± 1.199
1300
1200
1100
1000
900
800
700
600
500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

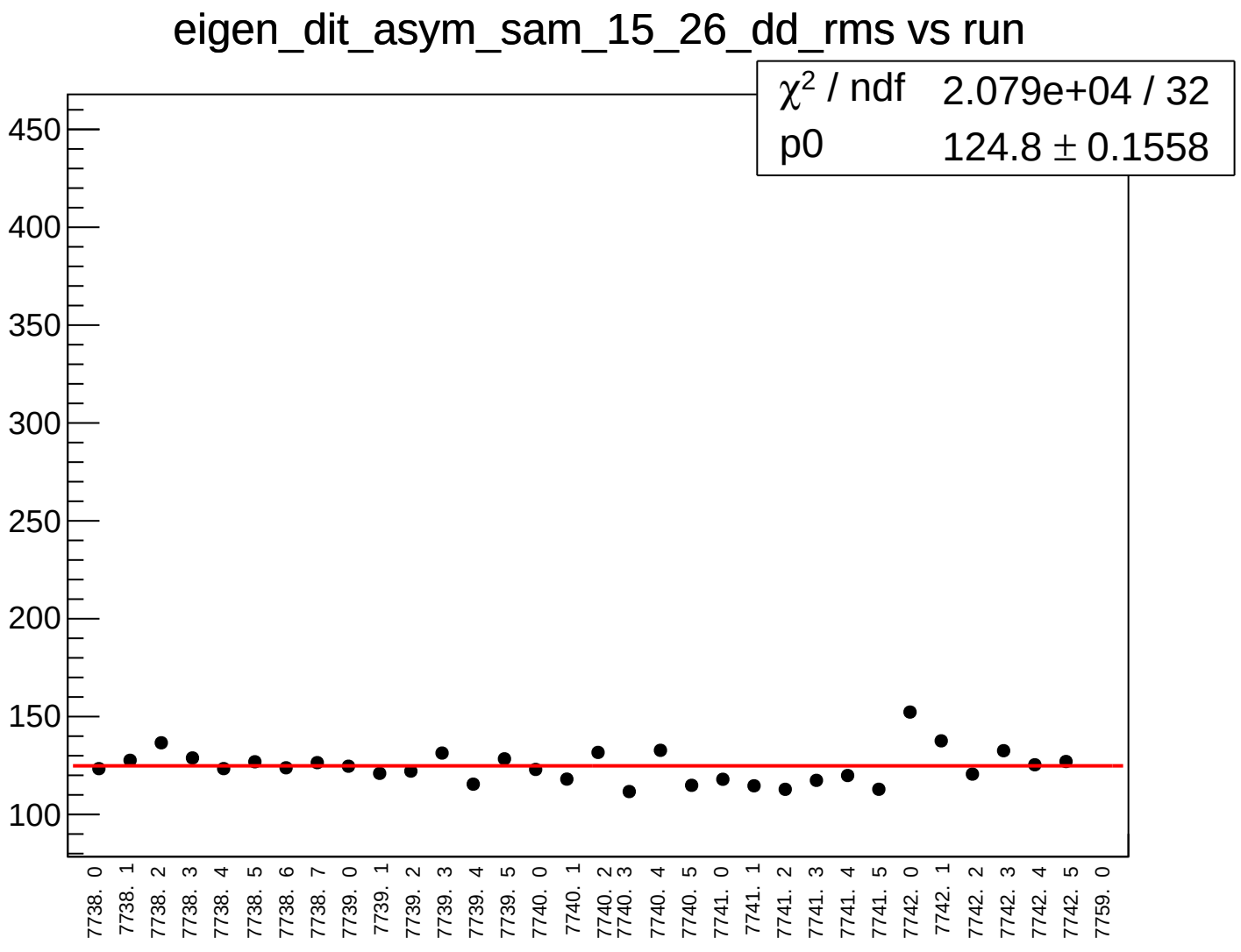

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 31.21 / 32
p0 −325.8 ± 220.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.836
Std Dev 29.24
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01698
Std Dev 0.9723
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

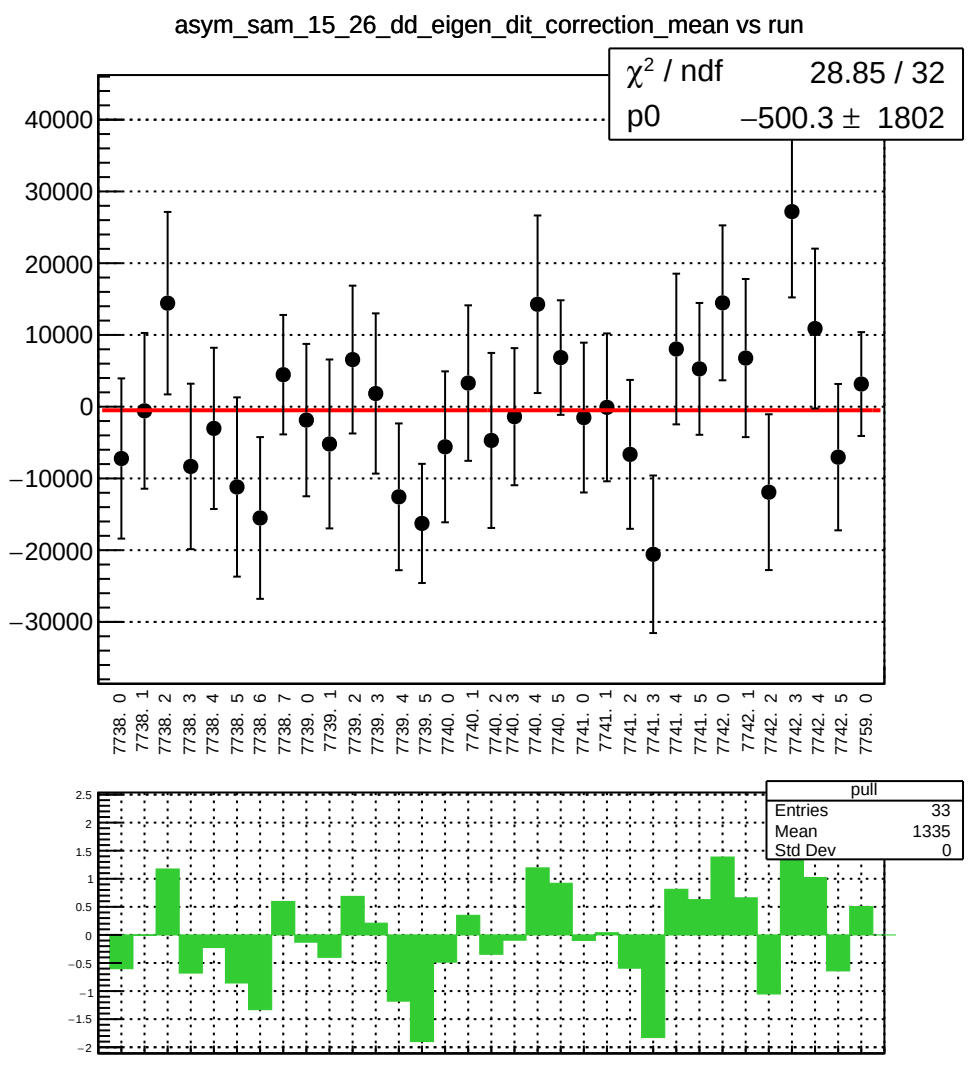

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.079e+04 / 32
p0 124.8 ± 0.1558
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

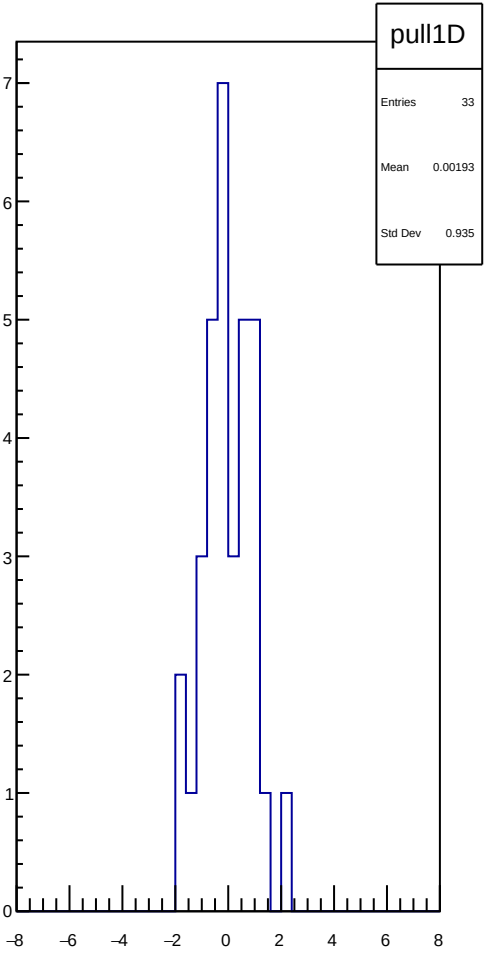

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 28.85 / 32
p0 −500.3 ± 1802
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1335
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.00193
Std Dev 0.935
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

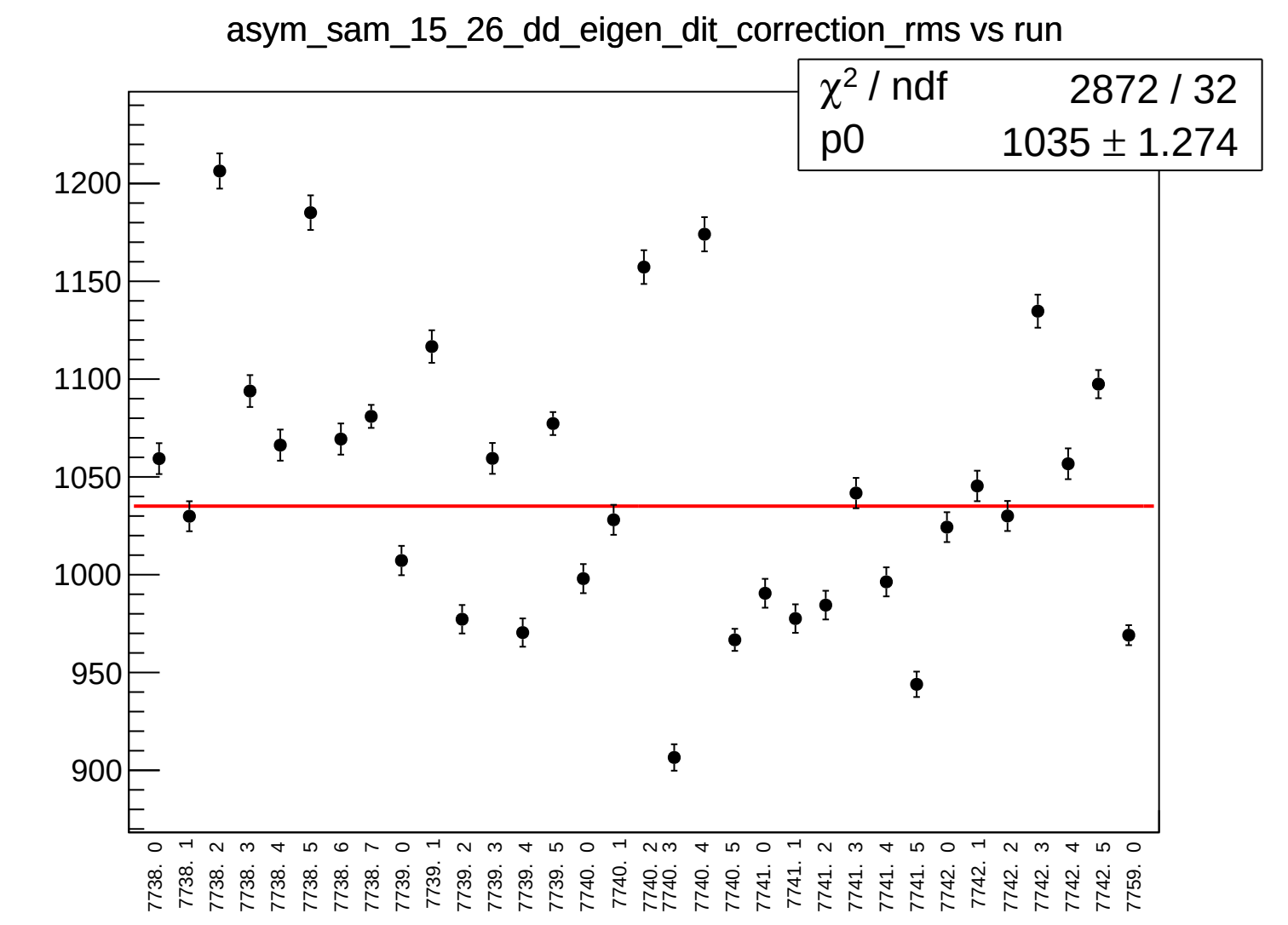

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 2872 / 32
p0 1035 ± 1.274
1200
1150
1100
1050
1000
950
900
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

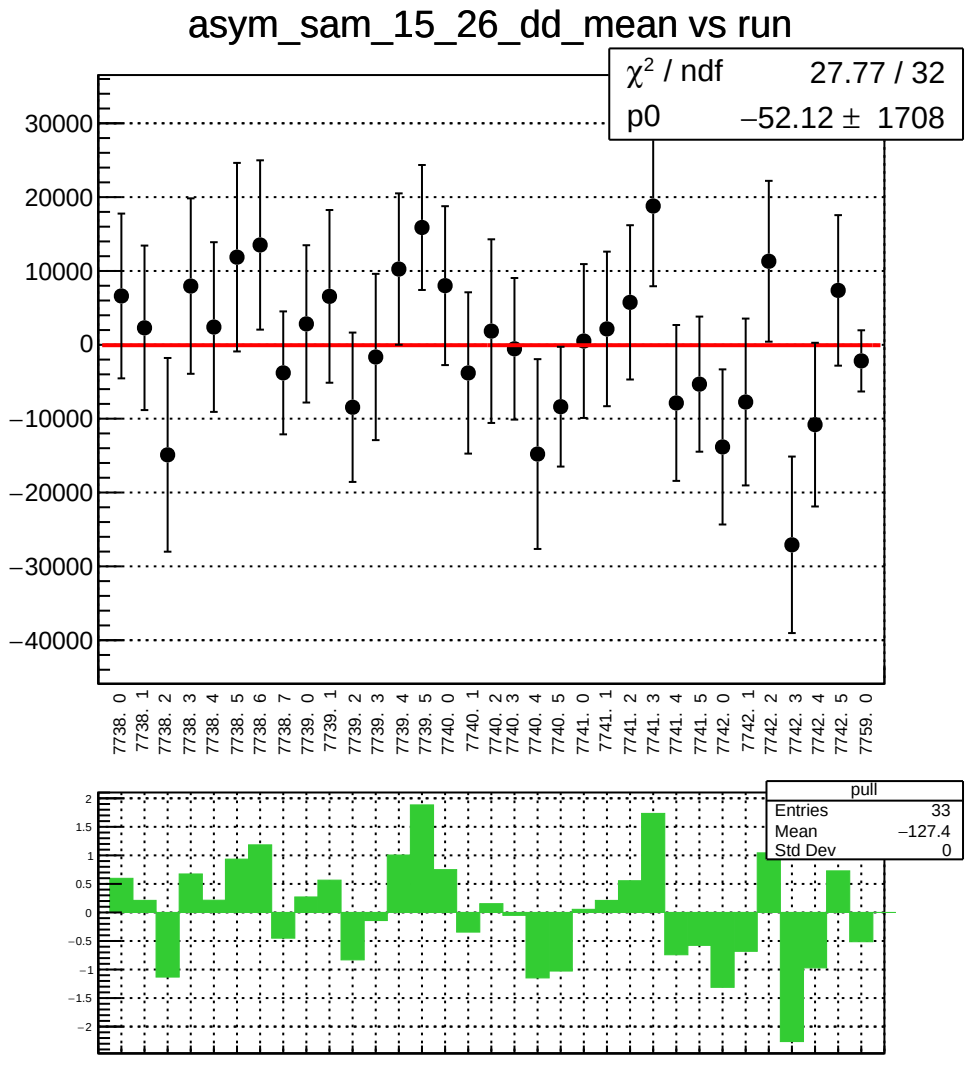

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 31.21 / 32
p0 −325.8 ± 220.3
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.836
Std Dev 29.24
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01698
Std Dev 0.9723
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

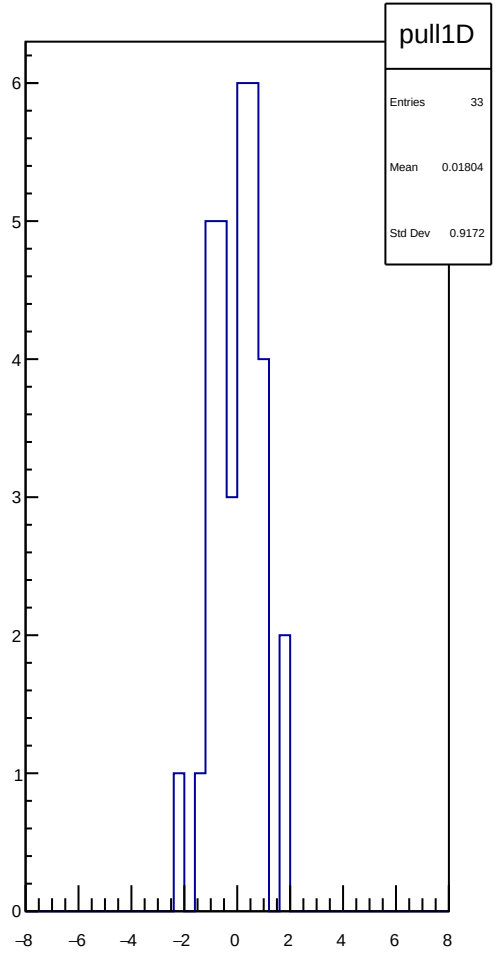

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.079e+04 / 32
p0 124.8 ± 0.1558
450
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

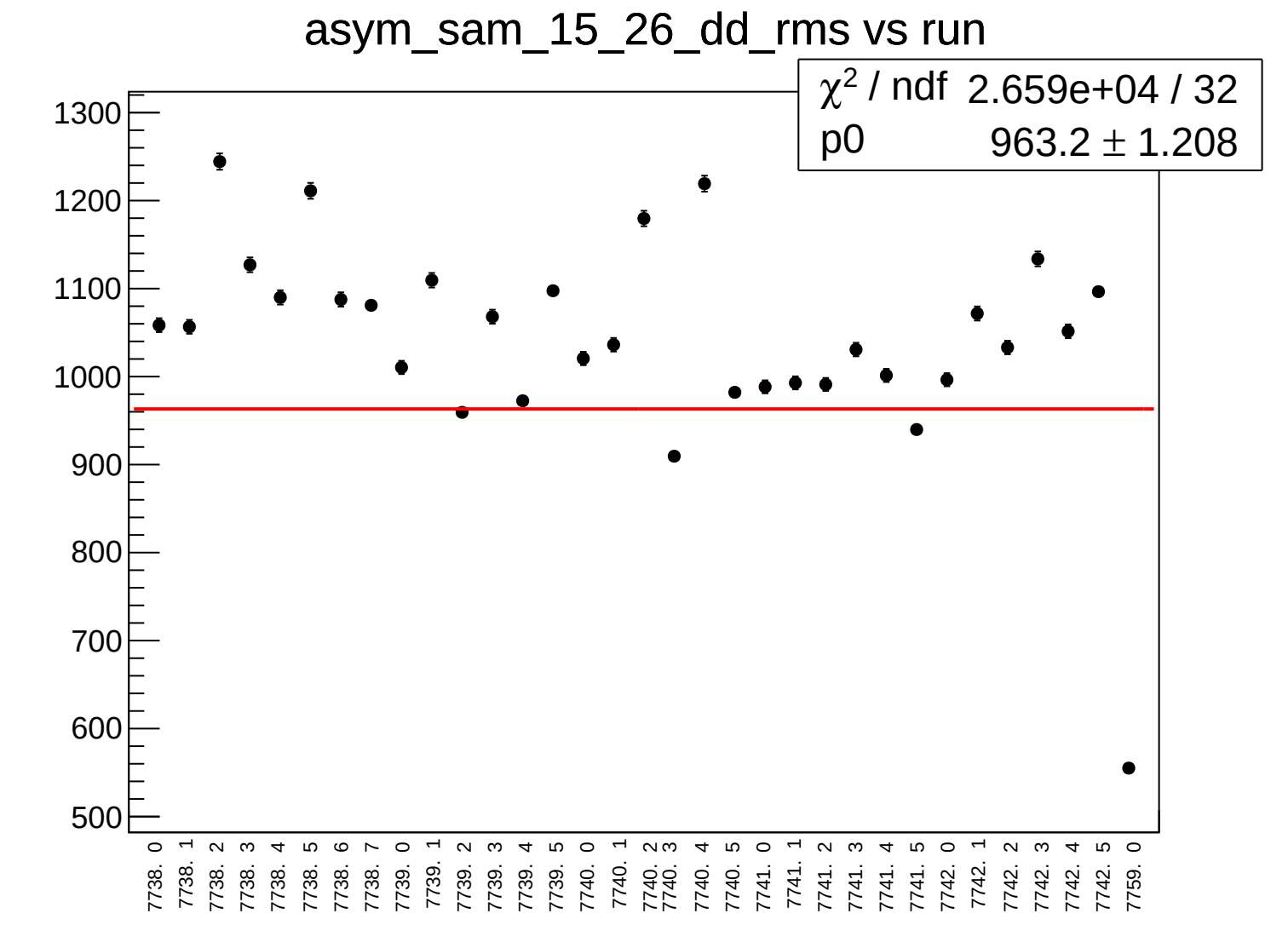

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 28.85 / 32
p0 −500.3 ± 1802
40000
30000
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1335
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

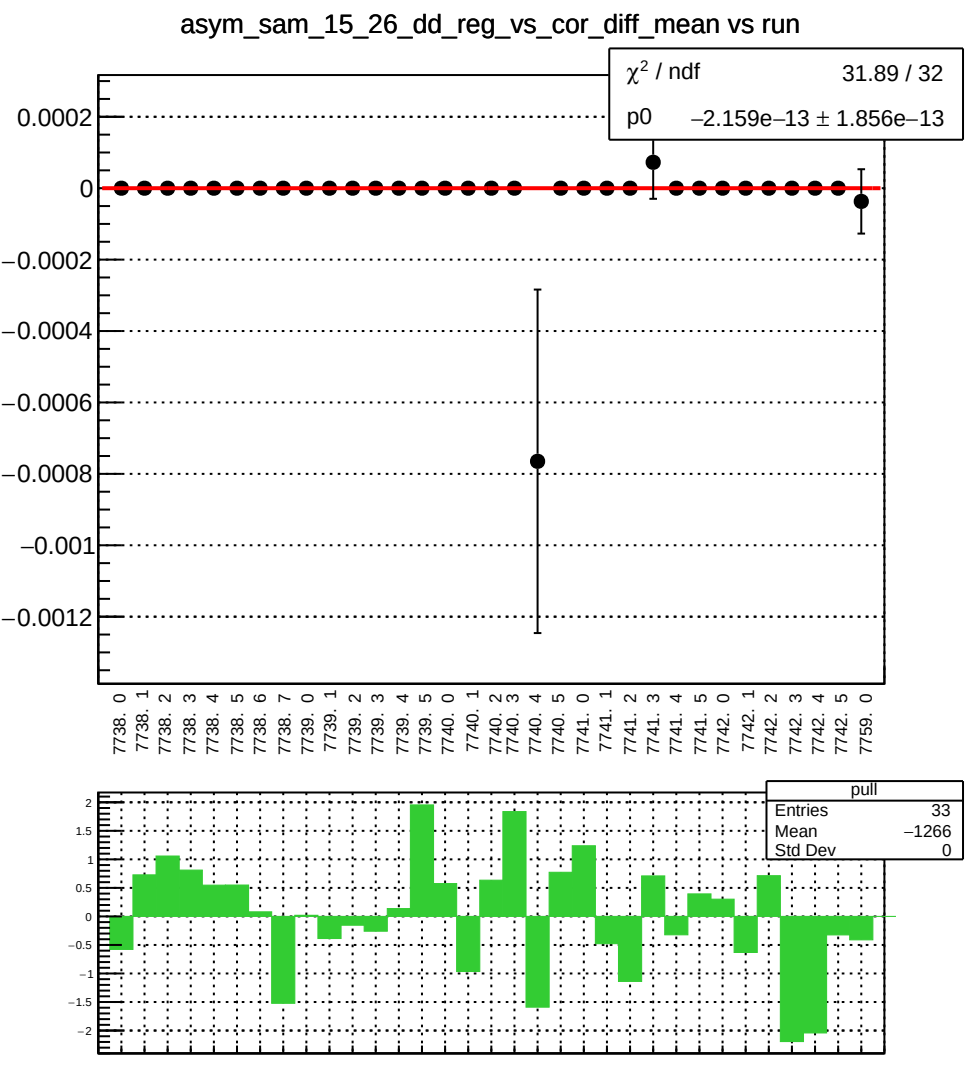

pull1D
Entries 33
Mean 0.00193
Std Dev 0.935
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

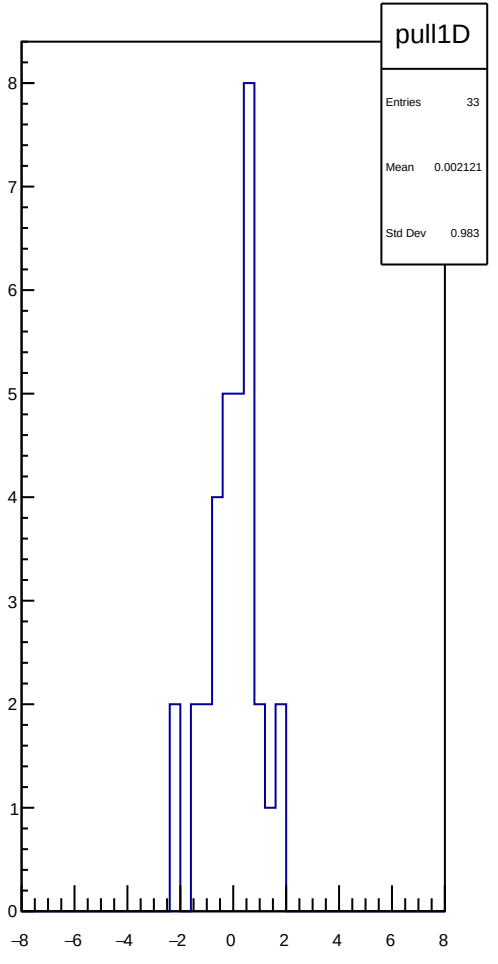

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2872 / 32
p0 1035 ± 1.274
1200
1150
1100
1050
1000
950
900
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

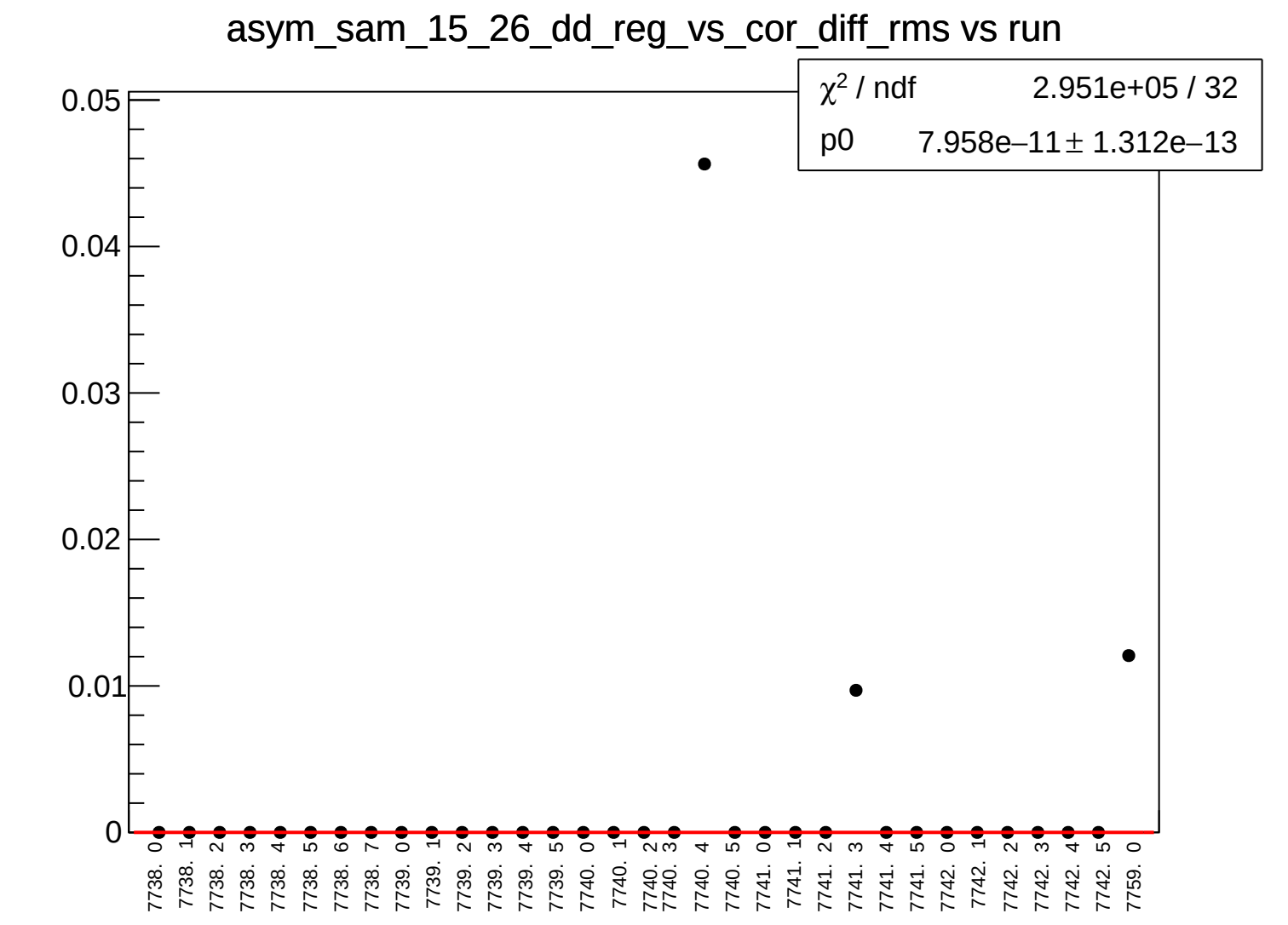

asym_sam_15_26_dd_mean vs run
χ² / ndf 27.77 / 32
p0 −52.12 ± 1708
30000
20000
10000
0
−10000
−20000
−30000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −127.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

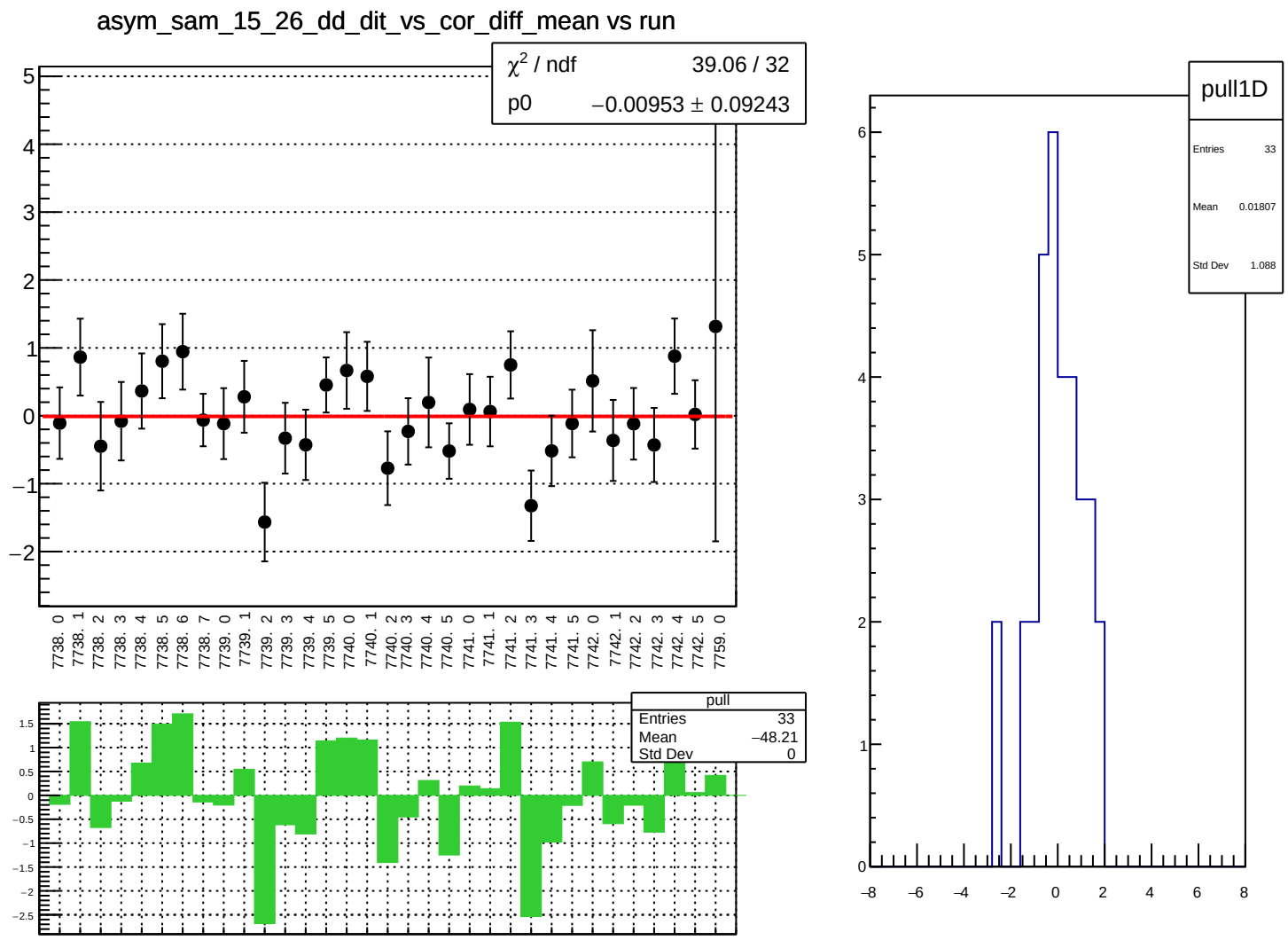

pull1D
Entries 33
Mean 0.01804
Std Dev 0.9172
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

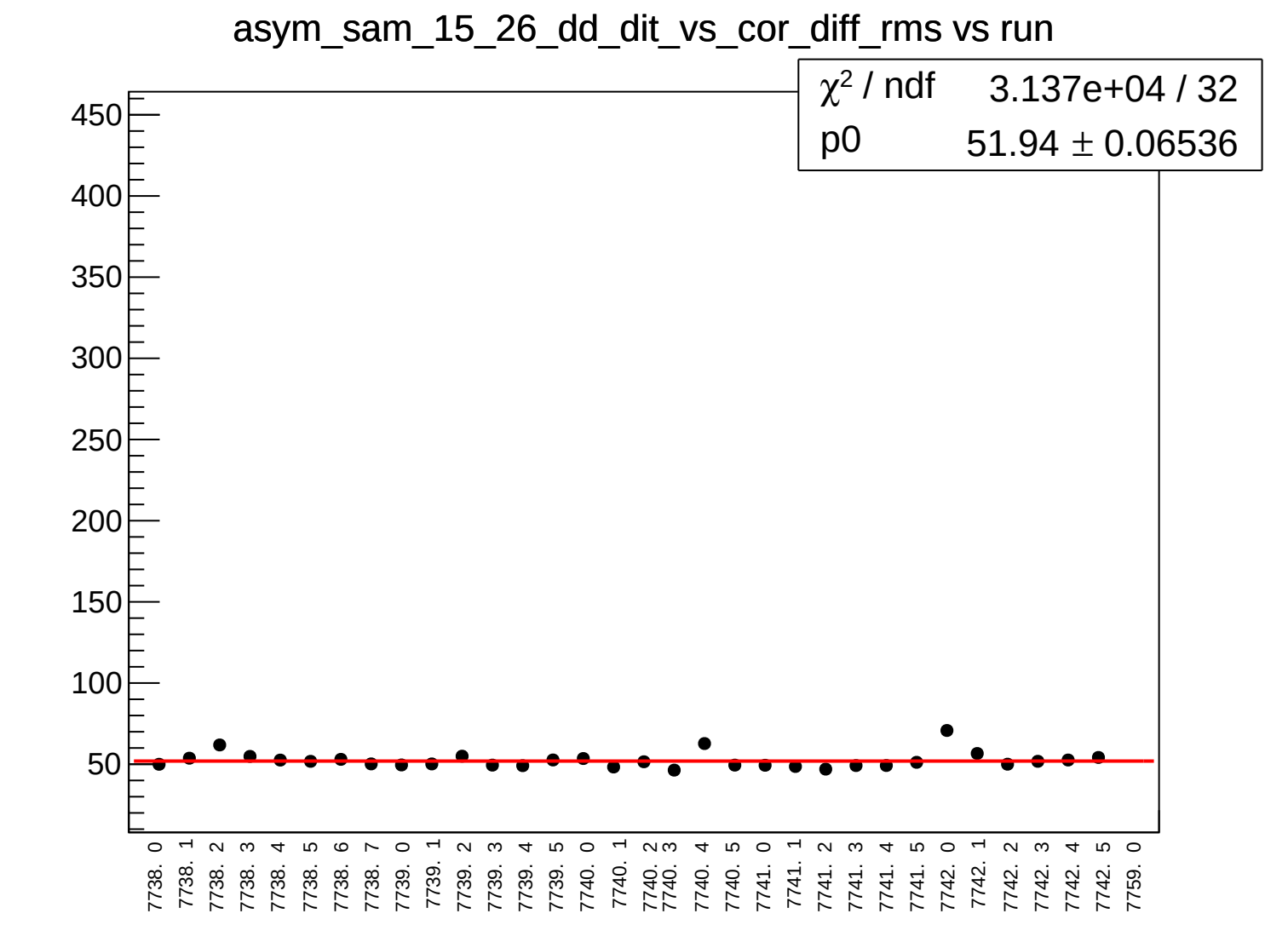

asym_sam_15_26_dd_rms vs run
χ² / ndf 2.659e+04 / 32
p0 963.2 ± 1.208
1300
1200
1100
1000
900
800
700
600
500
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

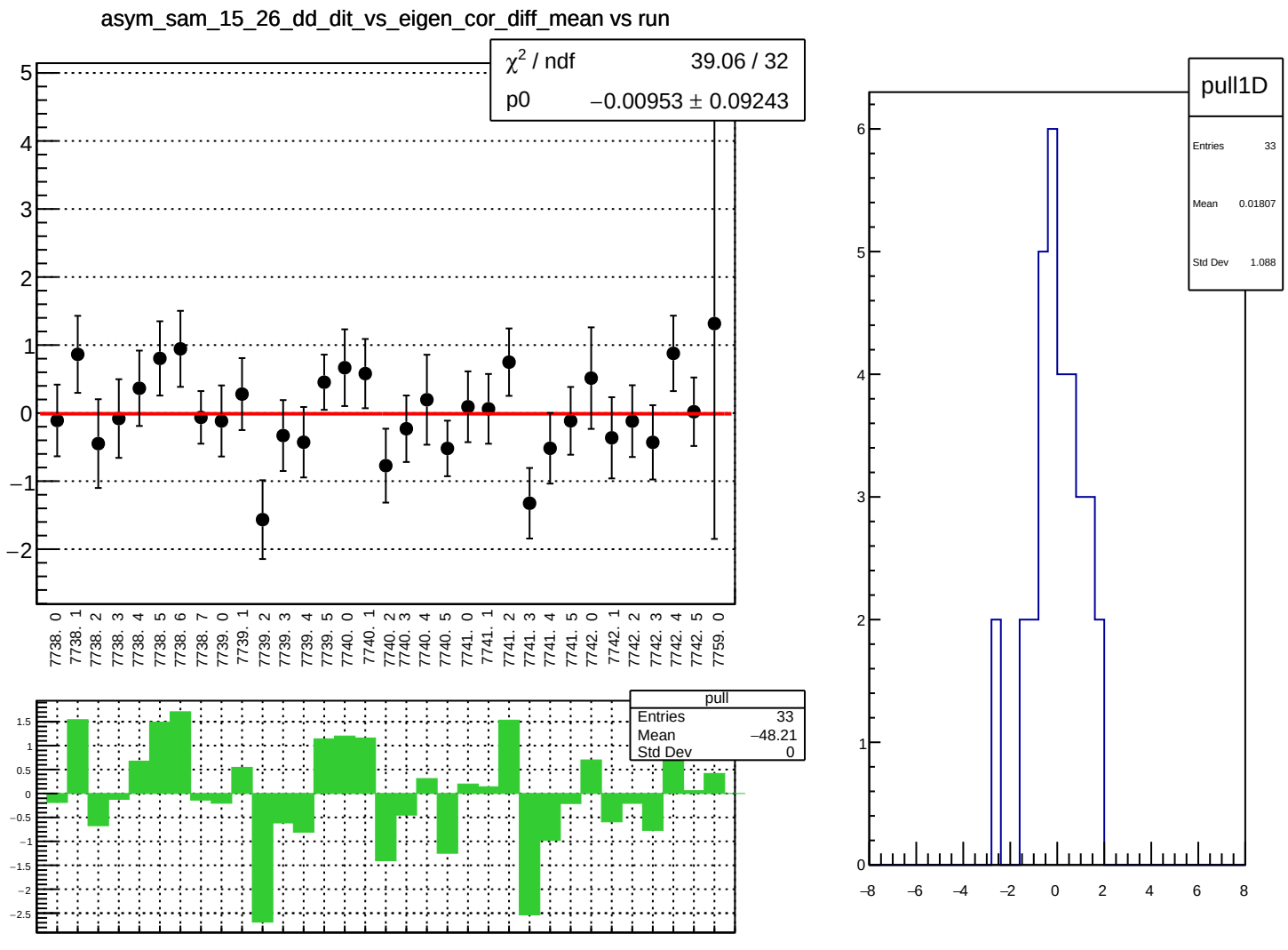

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.89 / 32
p0 −2.159e−13 ± 1.856e−13
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1266
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

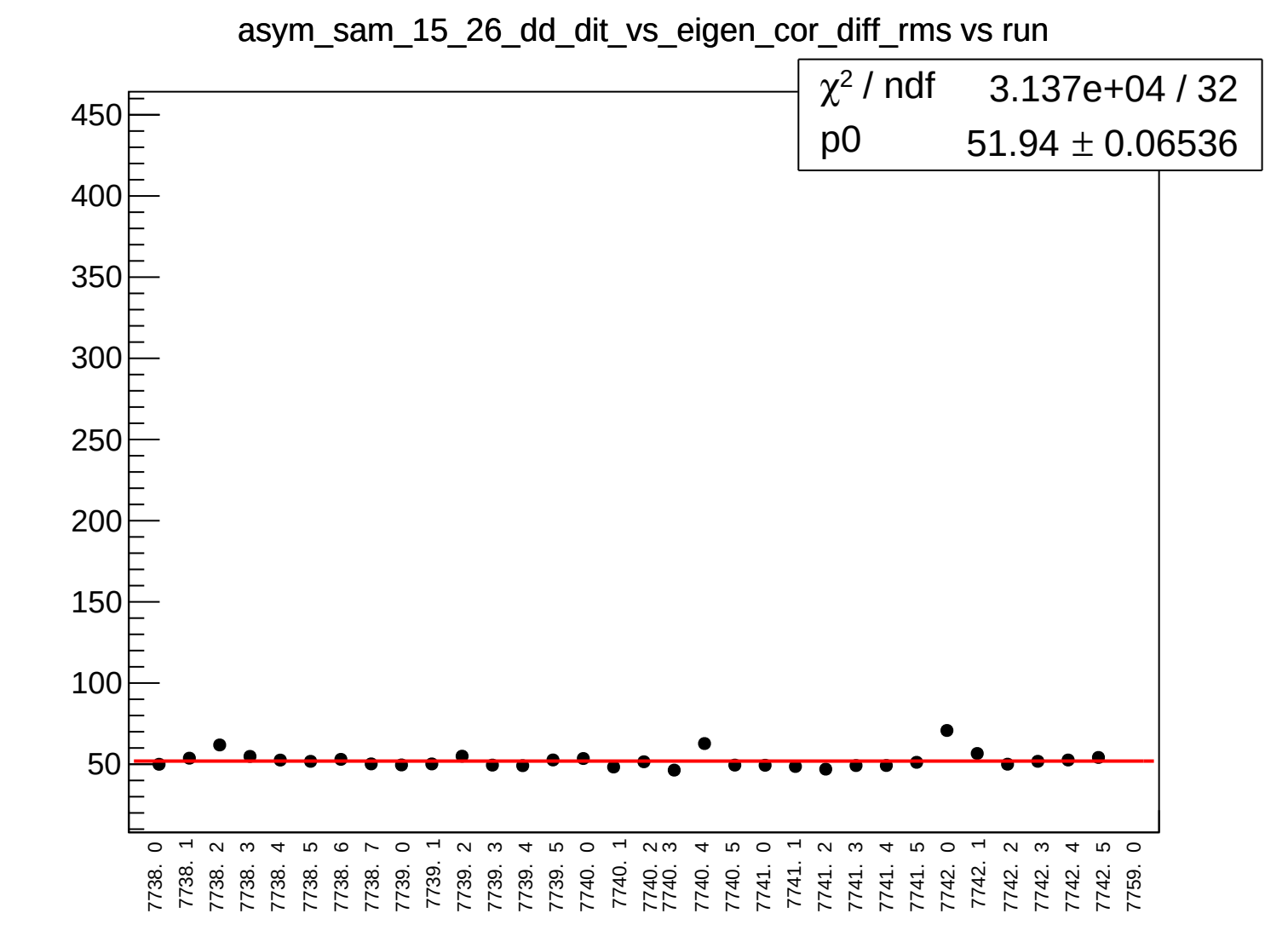

pull1D
Entries 33
Mean 0.002121
Std Dev 0.983
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

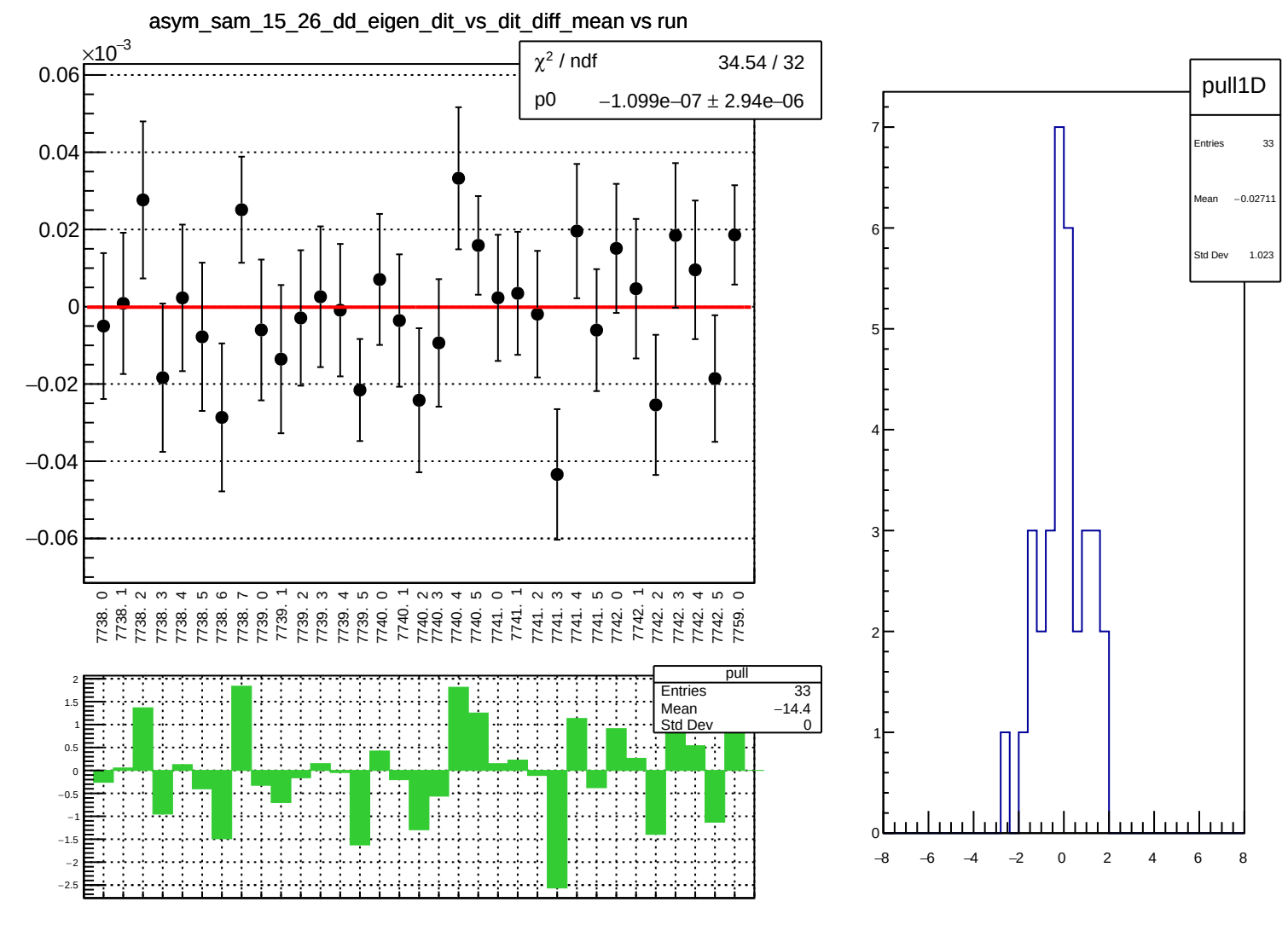

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.951e+05 / 32
p0 7.958e−11 ± 1.312e−13
0.05
0.04
0.03
0.02
0.01
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

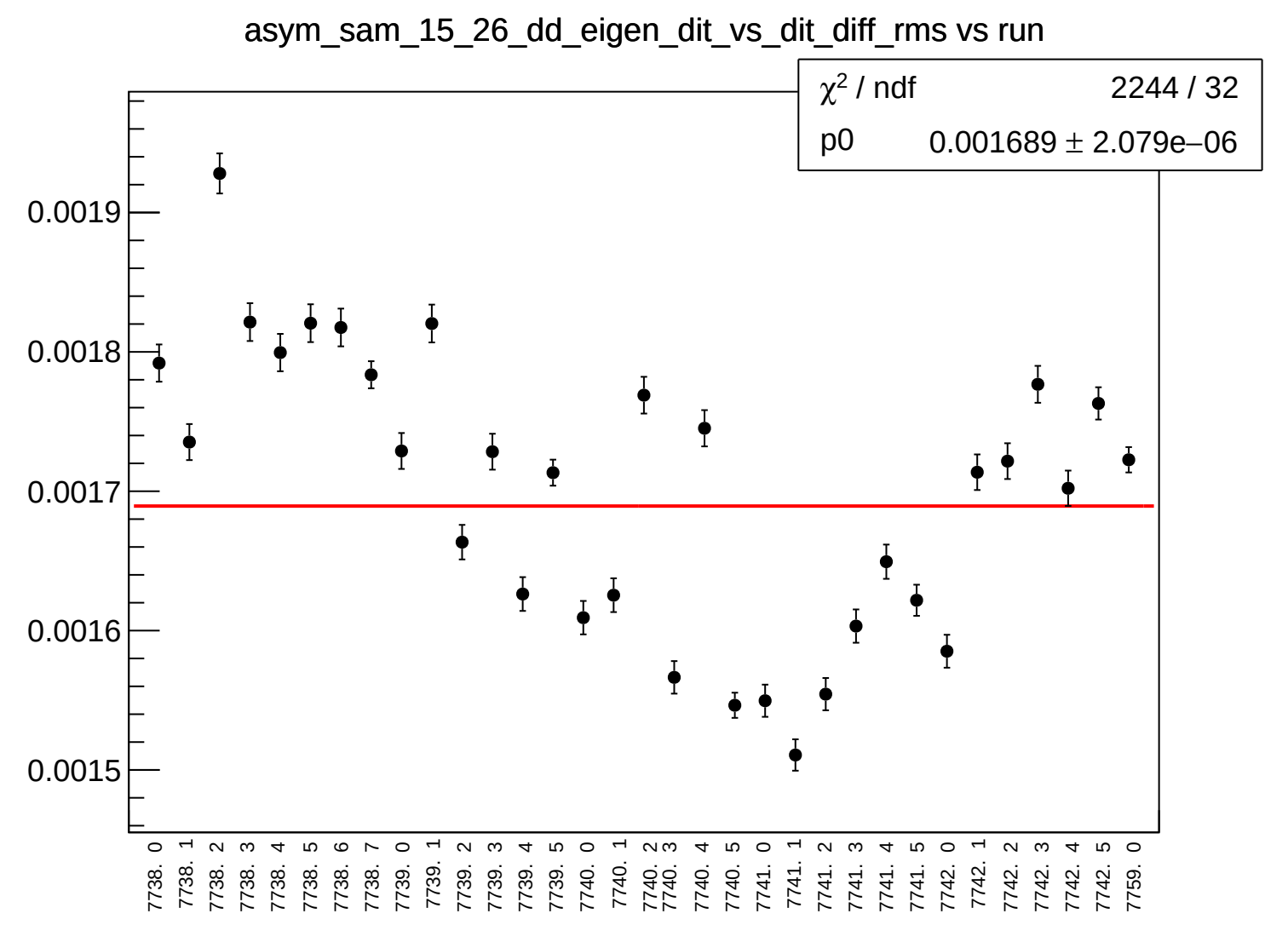

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.06 / 32
p0 −0.00953 ± 0.09243
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.21
Std Dev 0
pull1D
Entries 33
Mean 0.01807
Std Dev 1.088

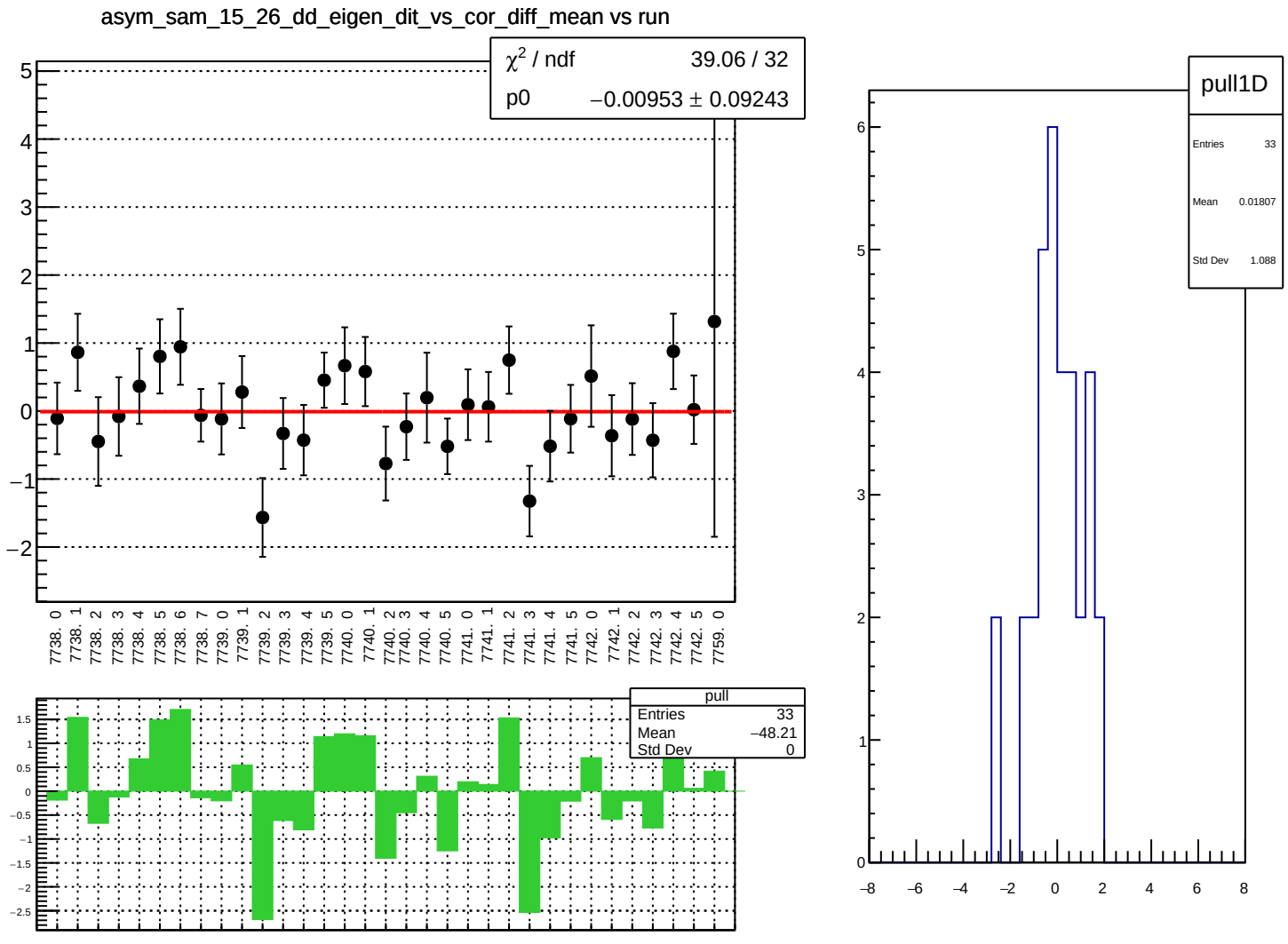

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.137e+04 / 32
p0 51.94 ± 0.06536
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

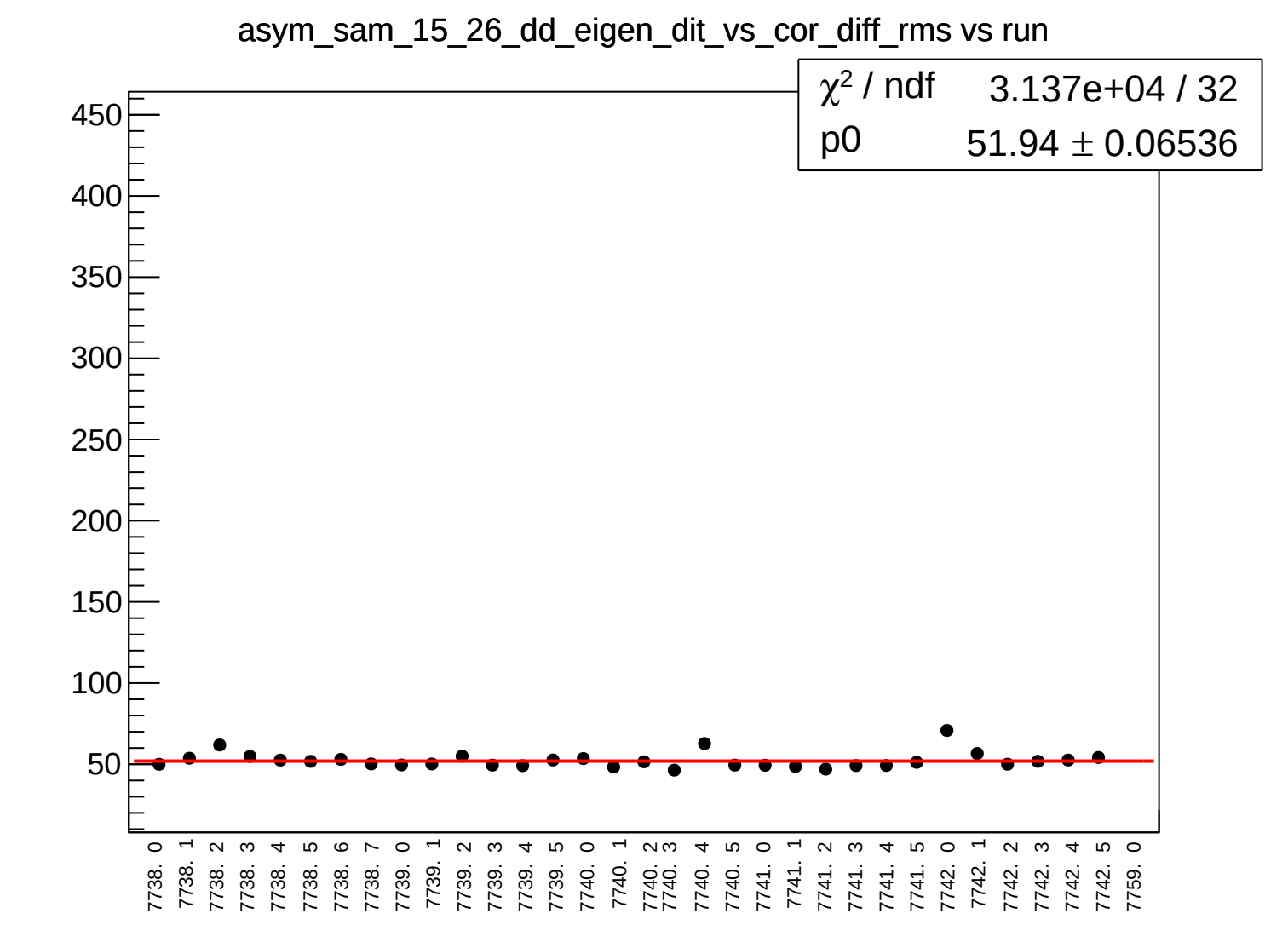

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.06 / 32
p0 −0.00953 ± 0.09243
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.21
Std Dev 0
pull1D
Entries 33
Mean 0.01807
Std Dev 1.088


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.137e+04 / 32
p0 51.94 ± 0.06536
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

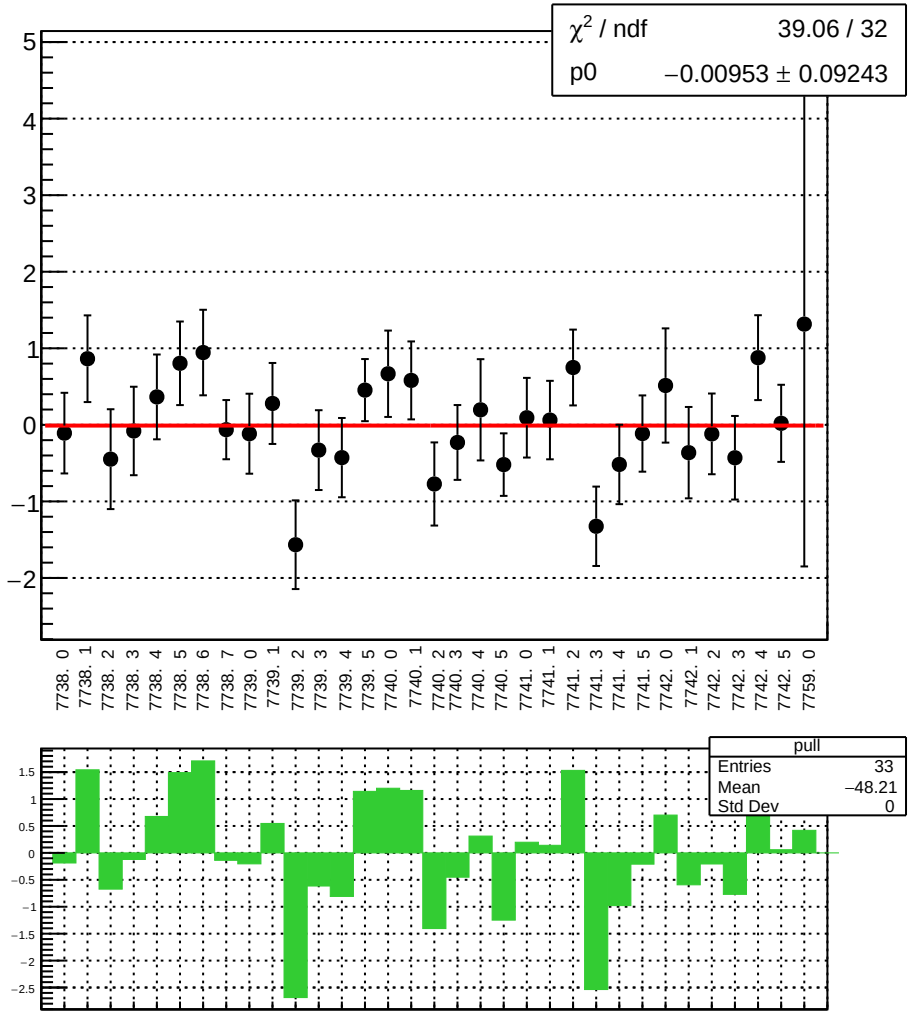

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 34.54 / 32
p0 −1.099e−07 ± 2.94e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −14.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.02711
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

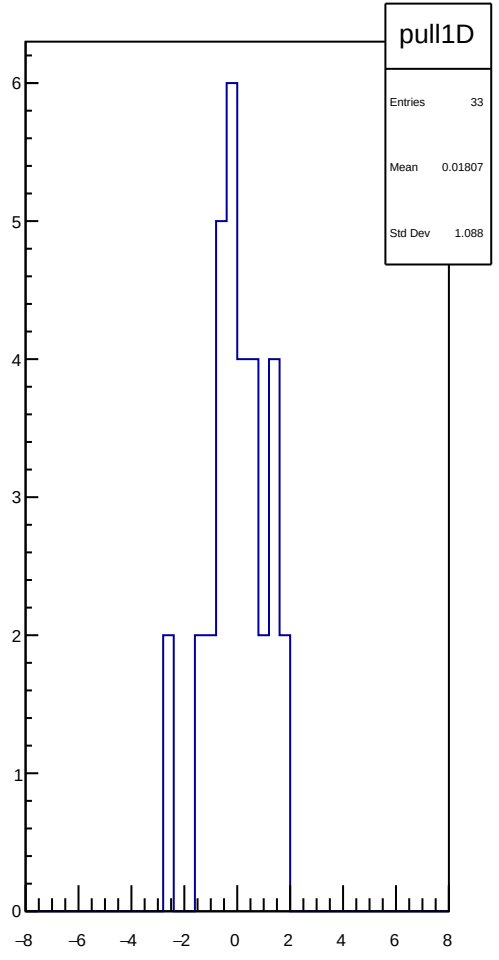

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2244 / 32
p0 0.001689 ± 2.079e−06
0.0019
0.0018
0.0017
0.0016
0.0015
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

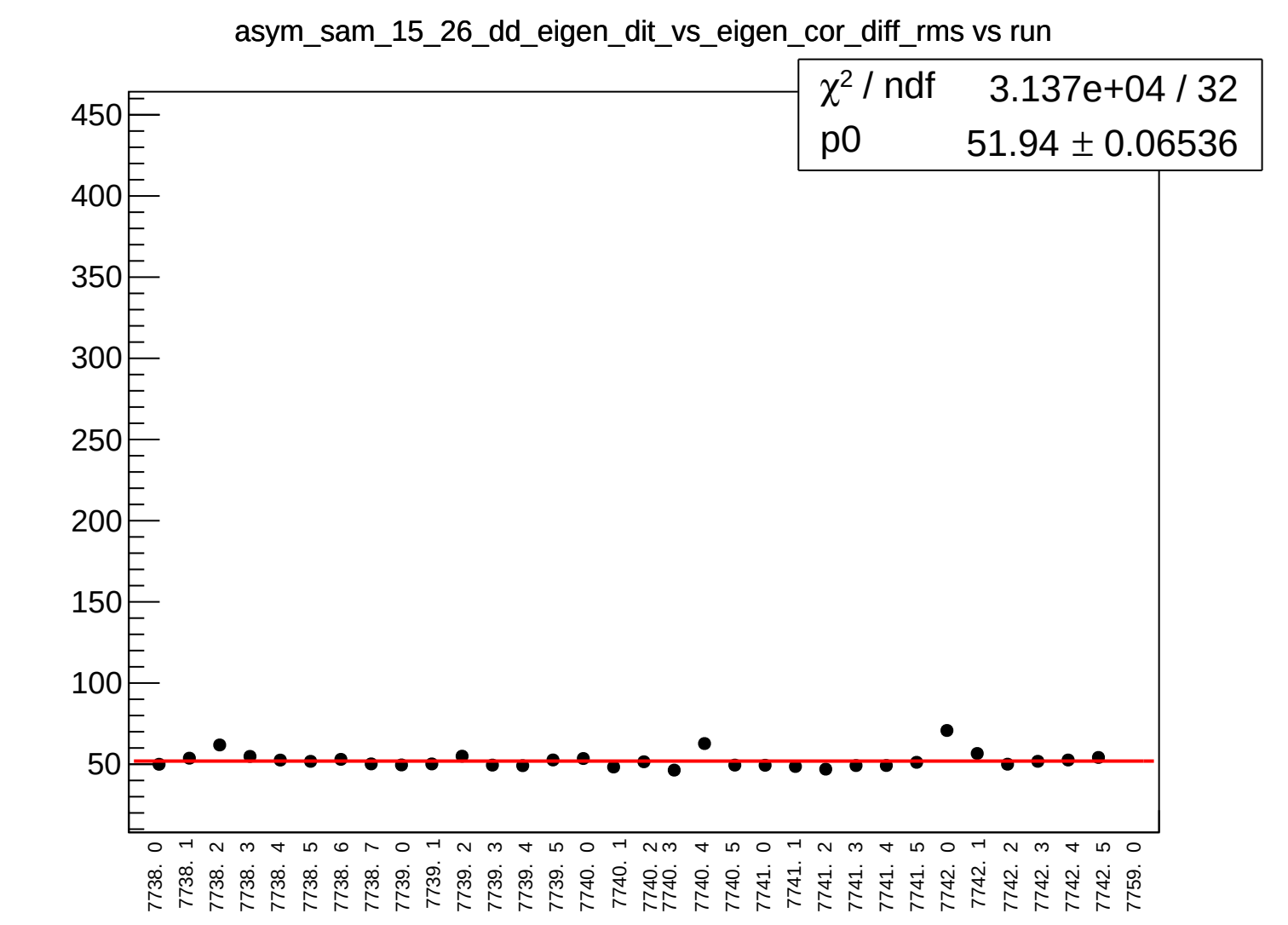

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.06 / 32
p0 −0.00953 ± 0.09243
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.21
Std Dev 0
pull1D
Entries 33
Mean 0.01807
Std Dev 1.088

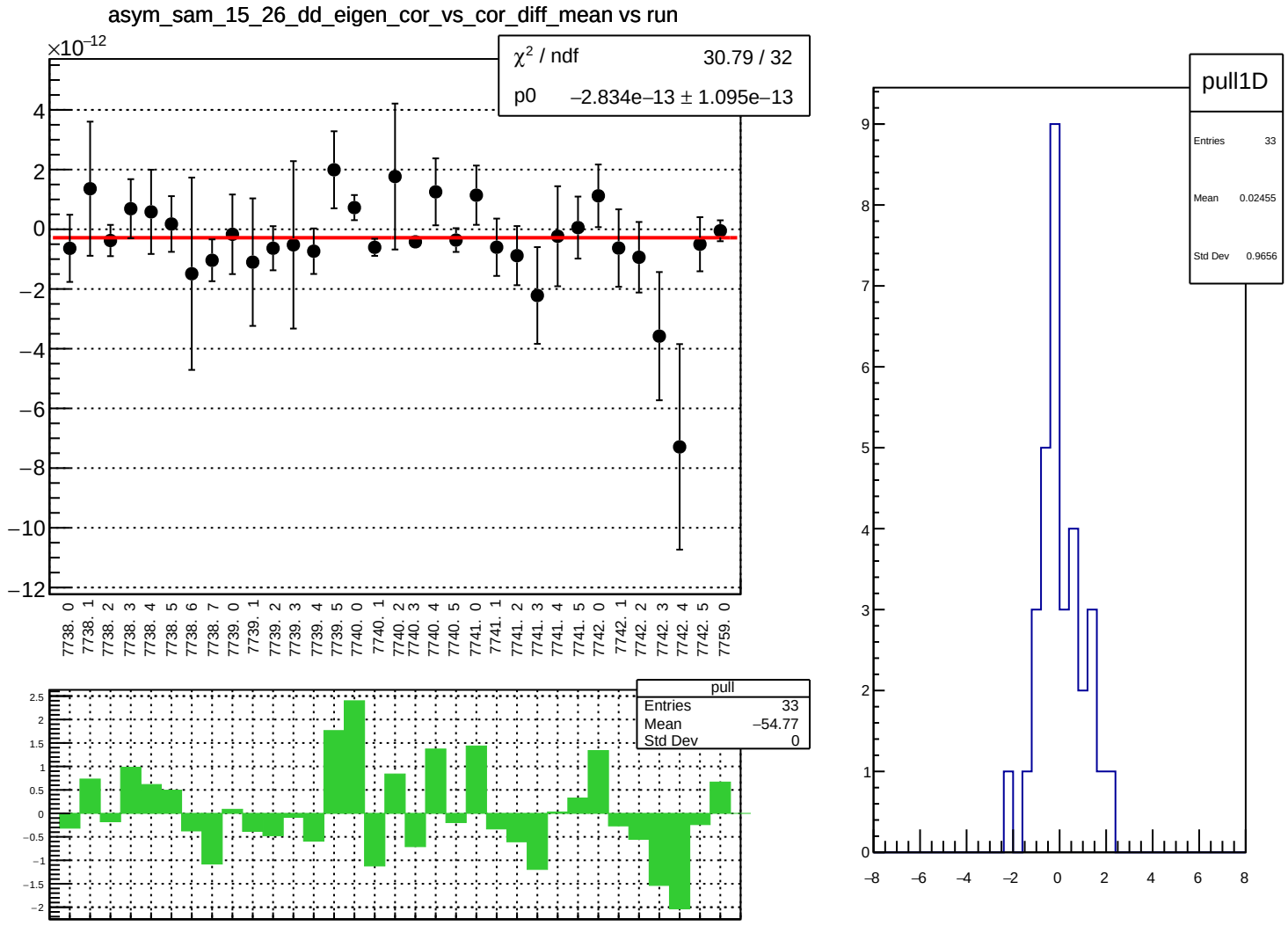

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.137e+04 / 32
p0 51.94 ± 0.06536
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

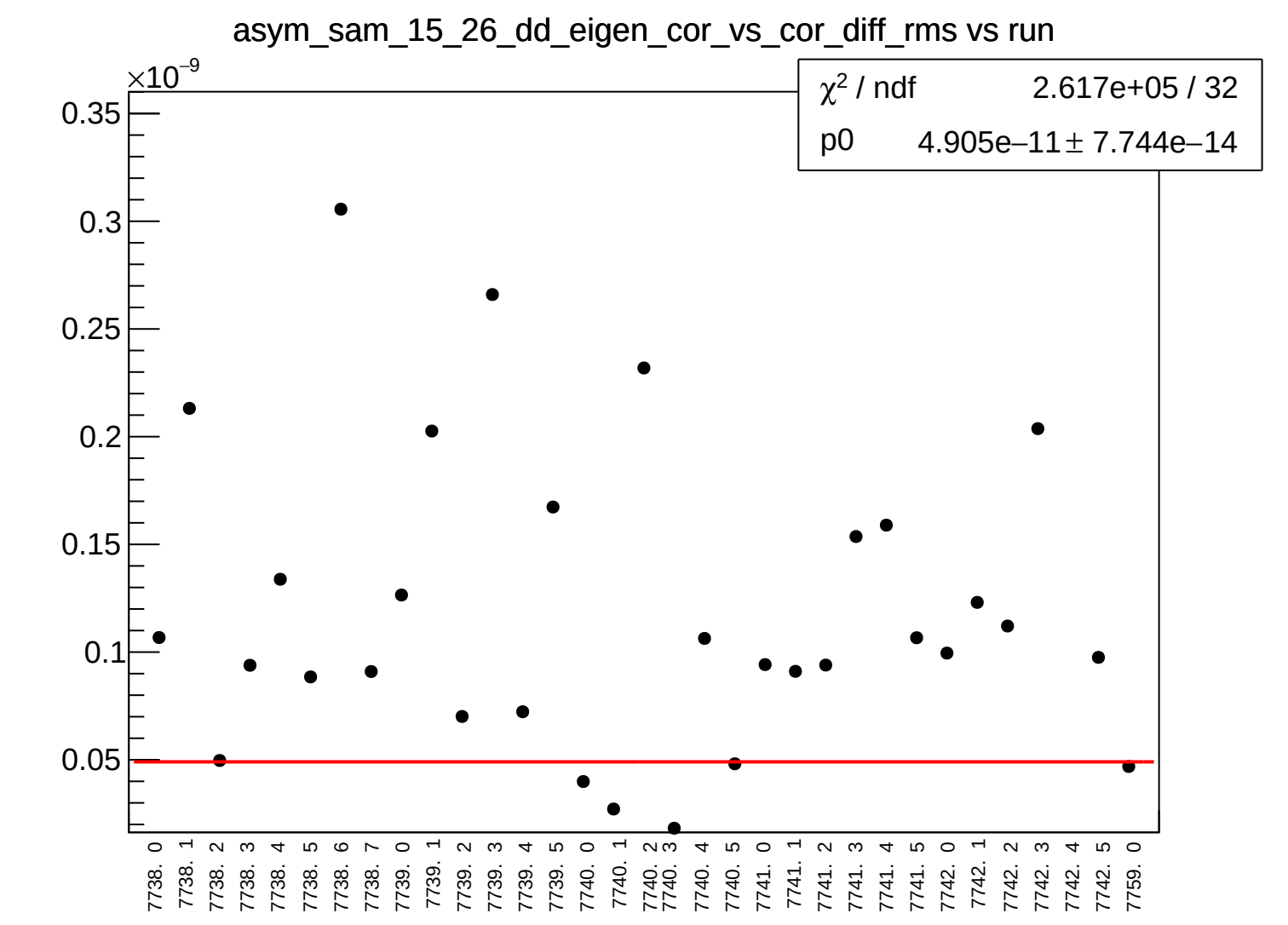
asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

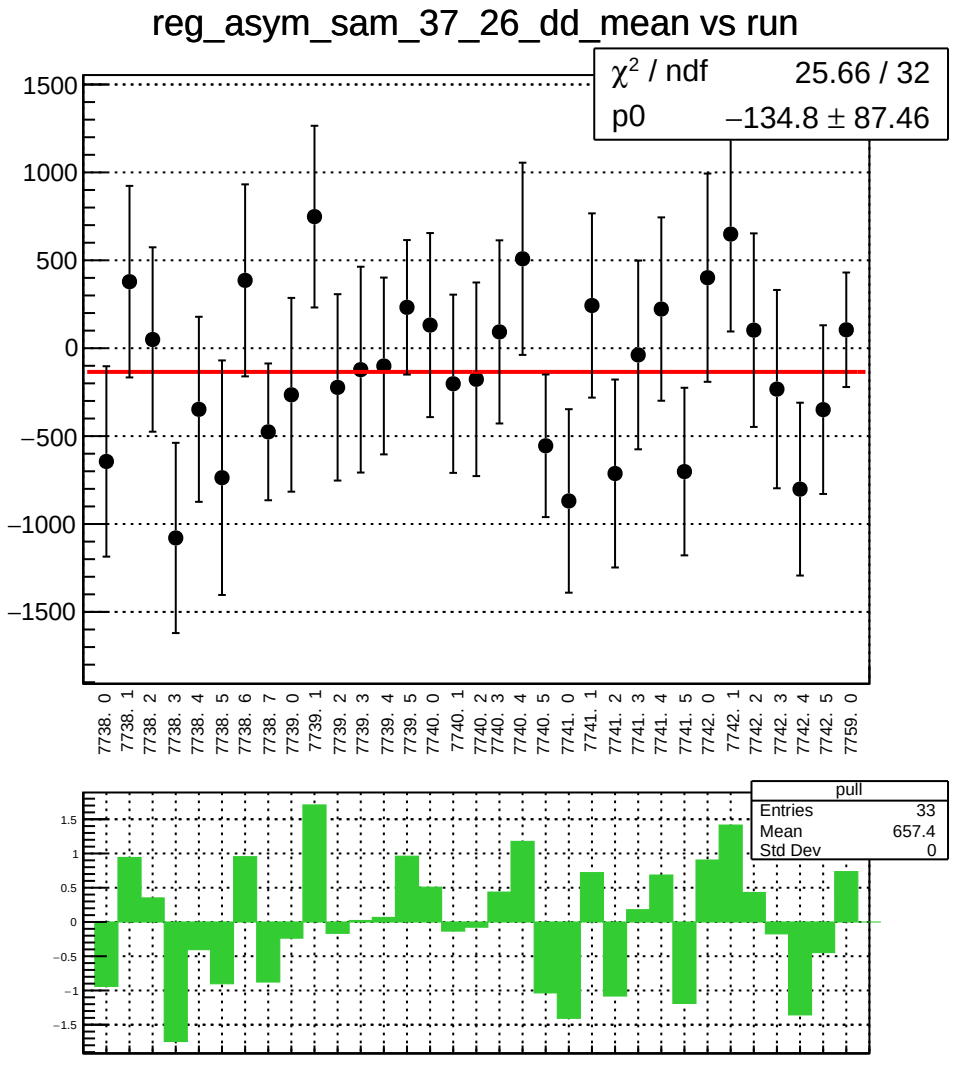


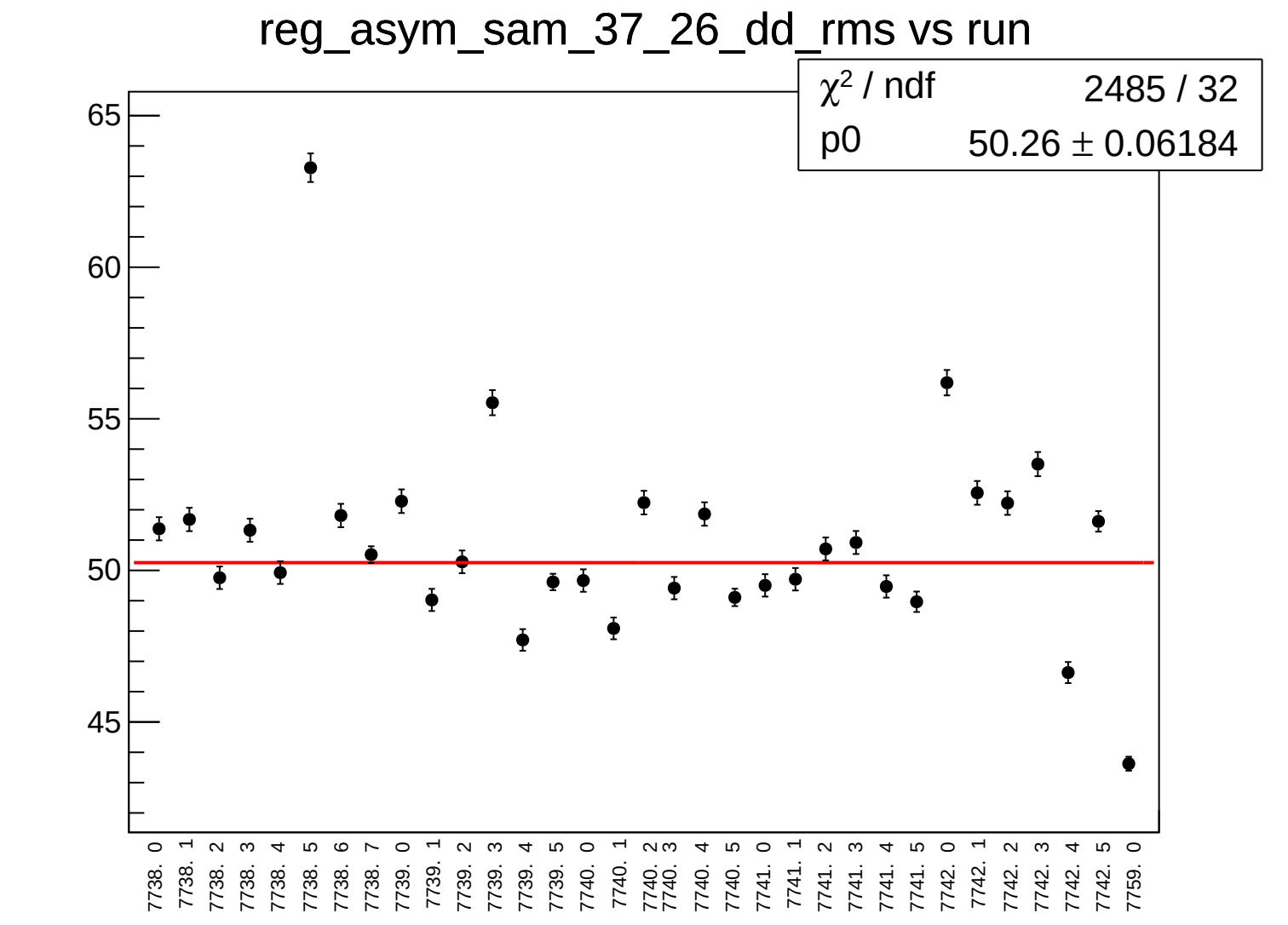


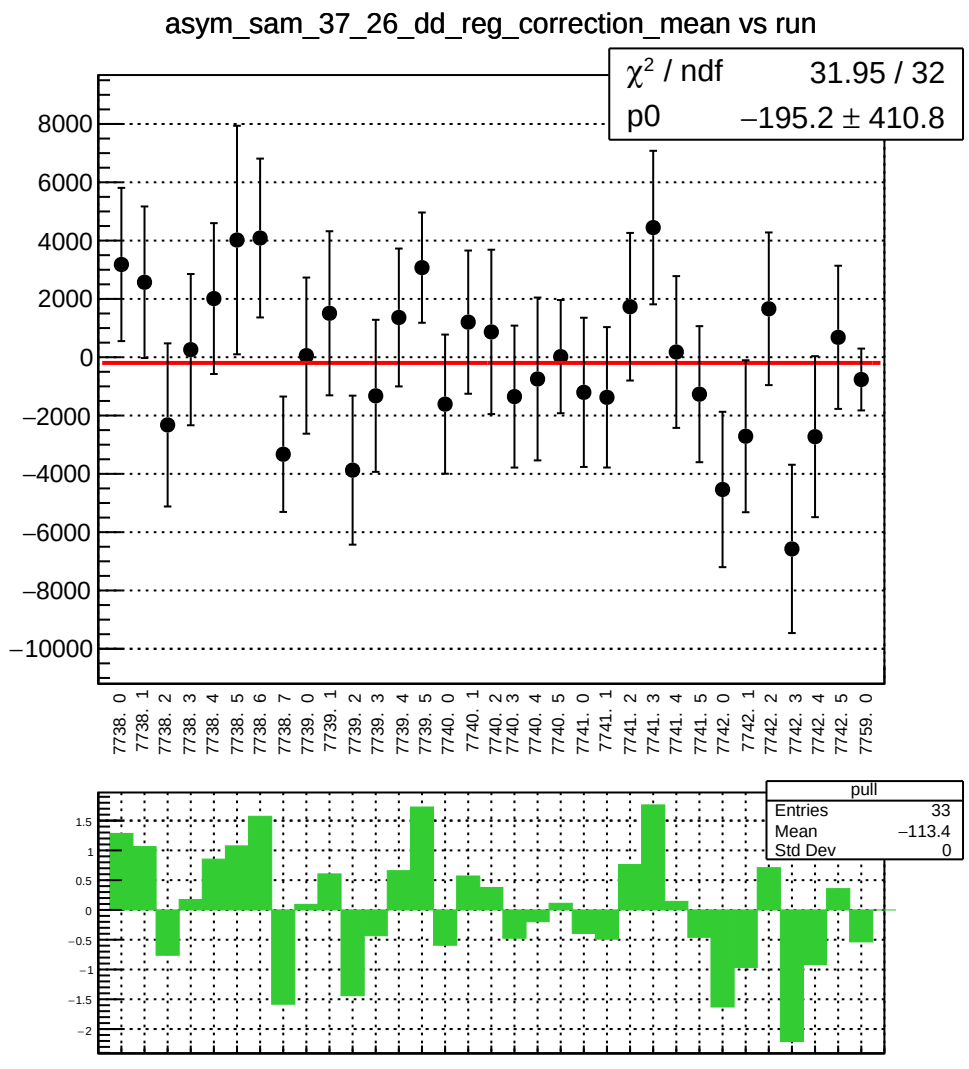

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.137e+04 / 32
p0 51.94 ± 0.06536
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

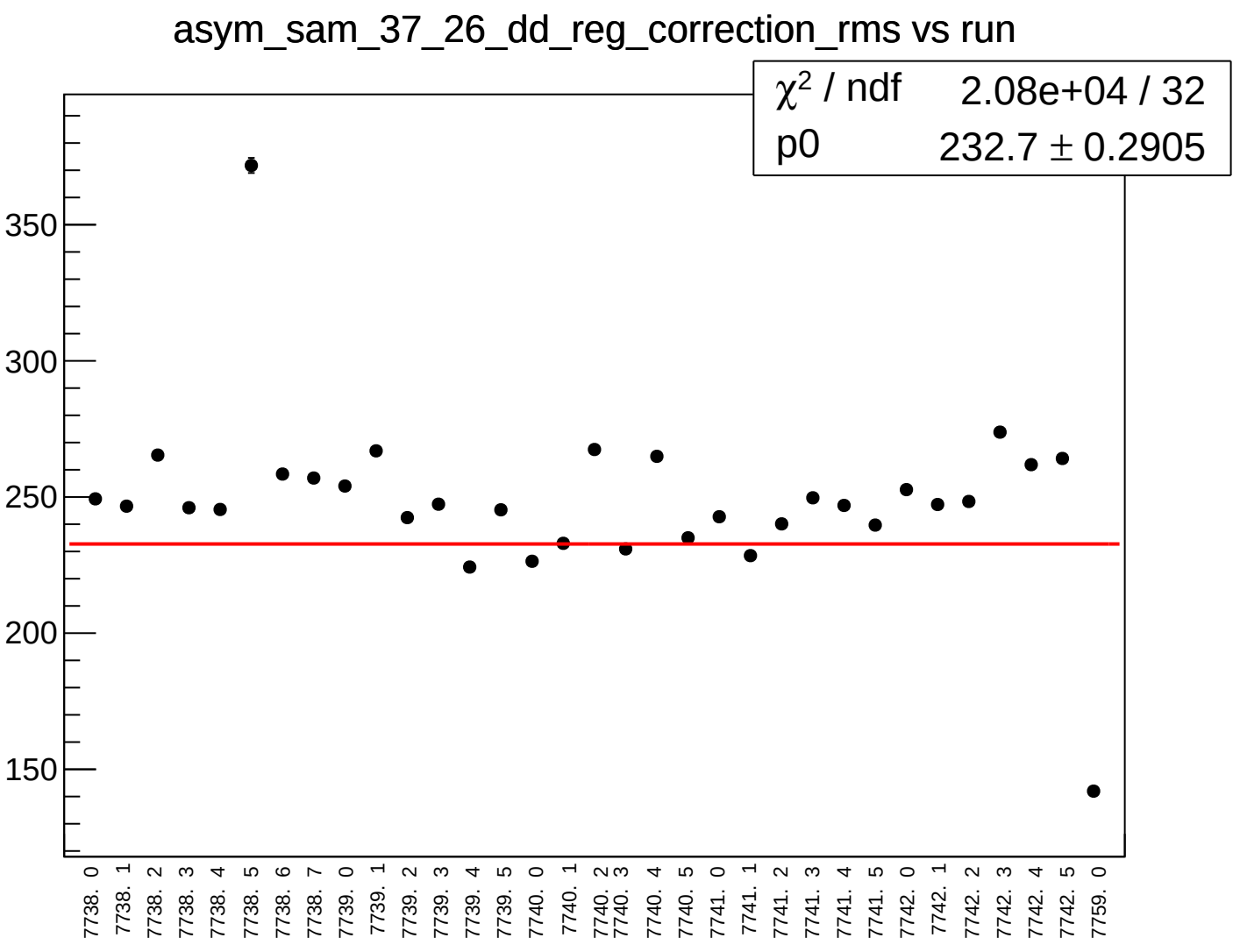

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 30.79 / 32
p0 −2.834e−13 ± 1.095e−13
4
2
0
−2
−4
−6
−8
−10
−12
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −54.77
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02455
Std Dev 0.9656
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

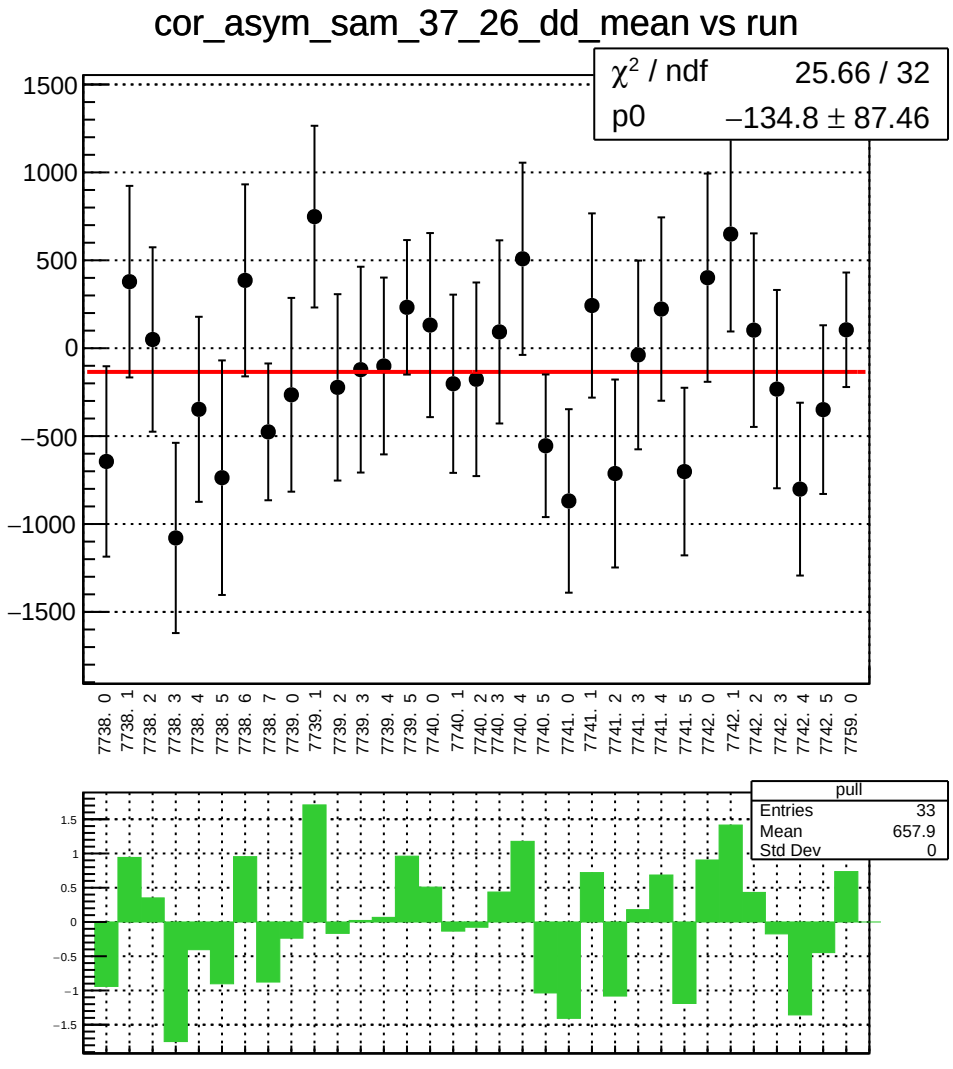

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.617e+05 / 32
p0 4.905e−11 ± 7.744e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

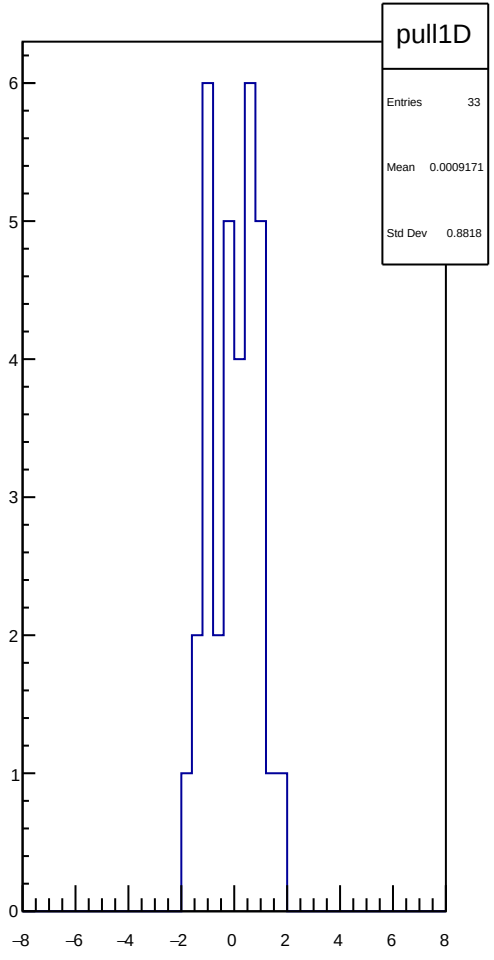

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 25.66 / 32
p0 −134.8 ± 87.46
1500
1000
500
0
−500
−1000
−1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 657.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0009179
Std Dev 0.8819
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

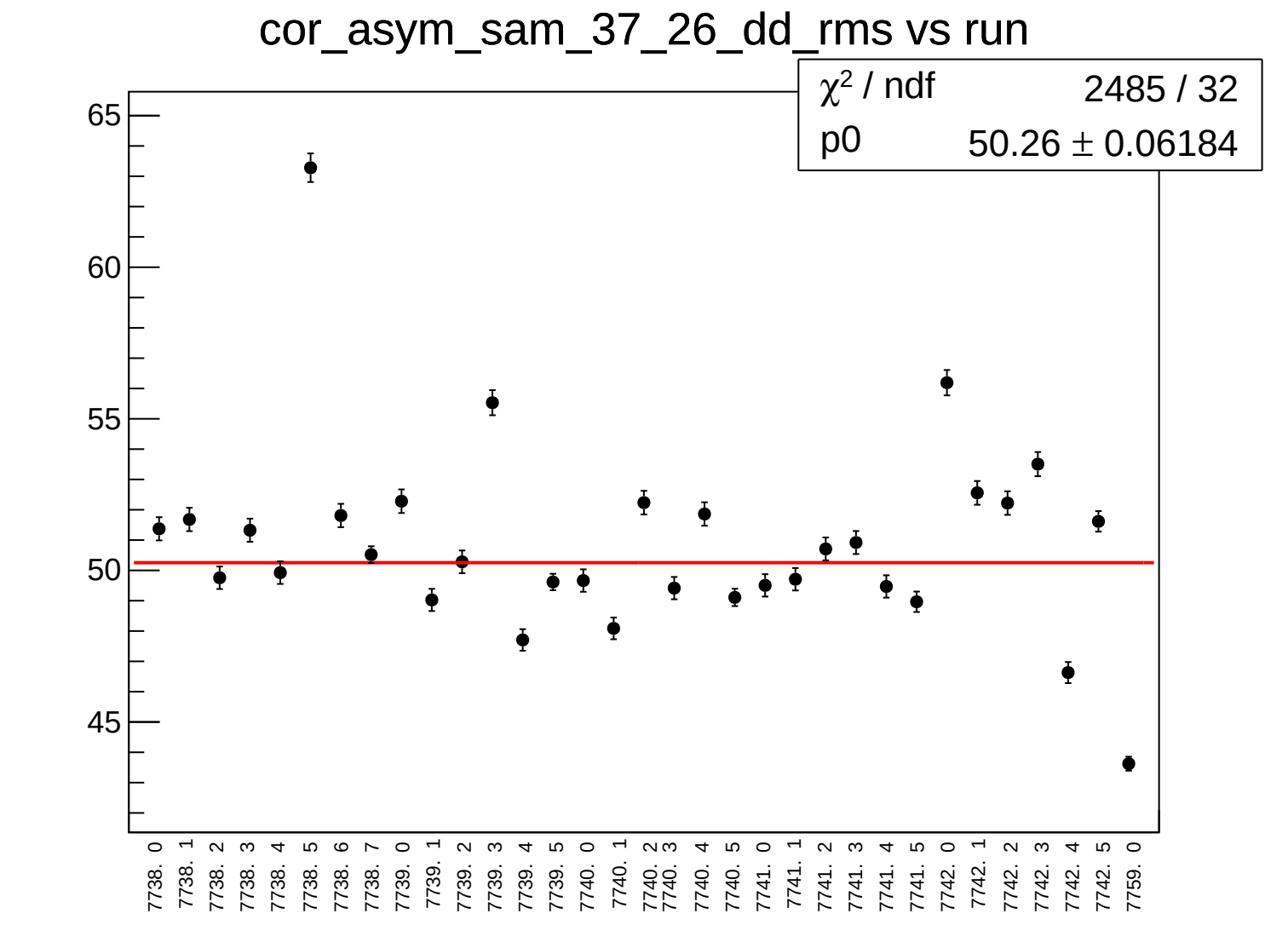

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 2485 / 32
p0 50.26 ± 0.06184
65
60
55
50
45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

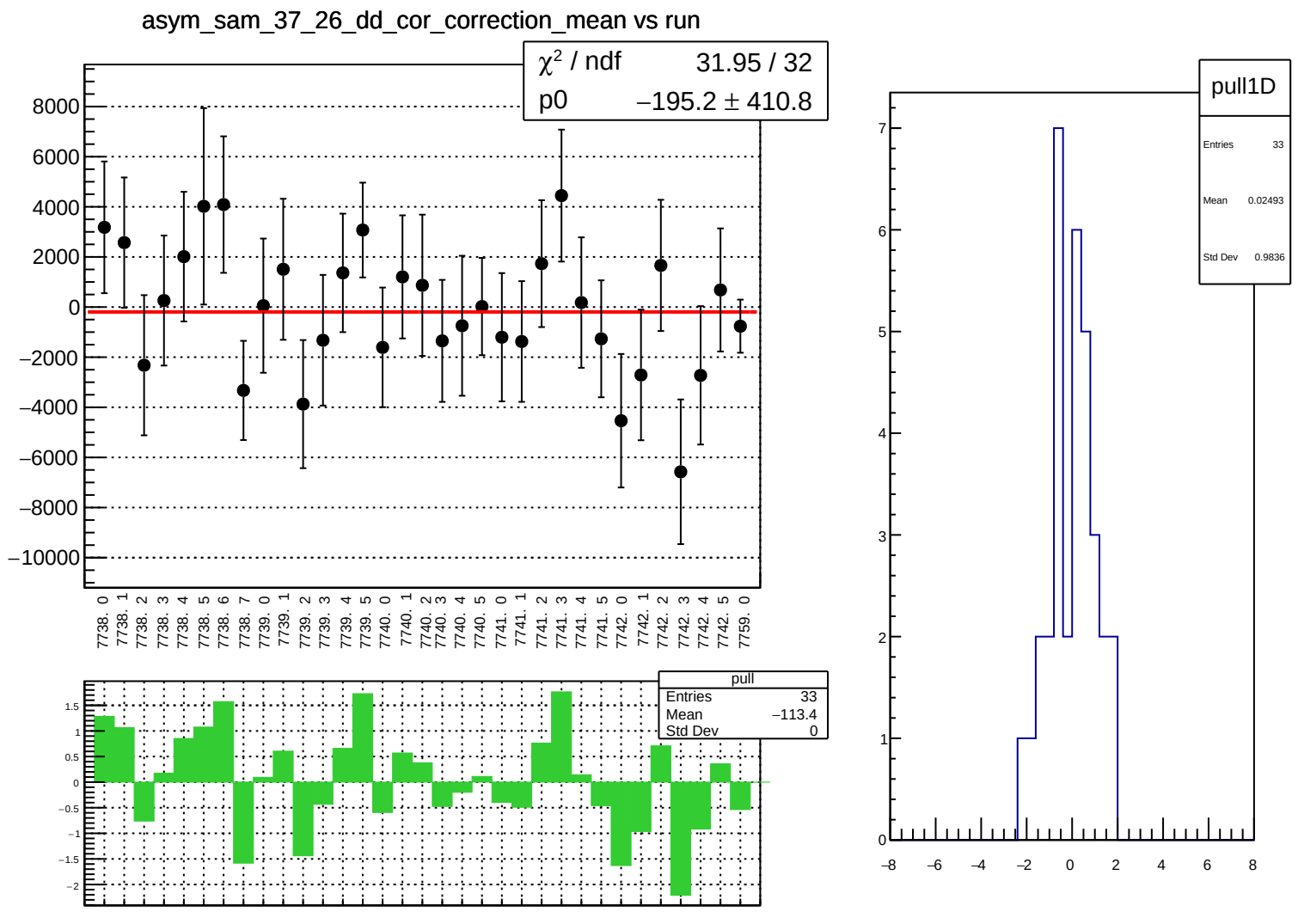

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 31.95 / 32
p0 −195.2 ± 410.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02493
Std Dev 0.9836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

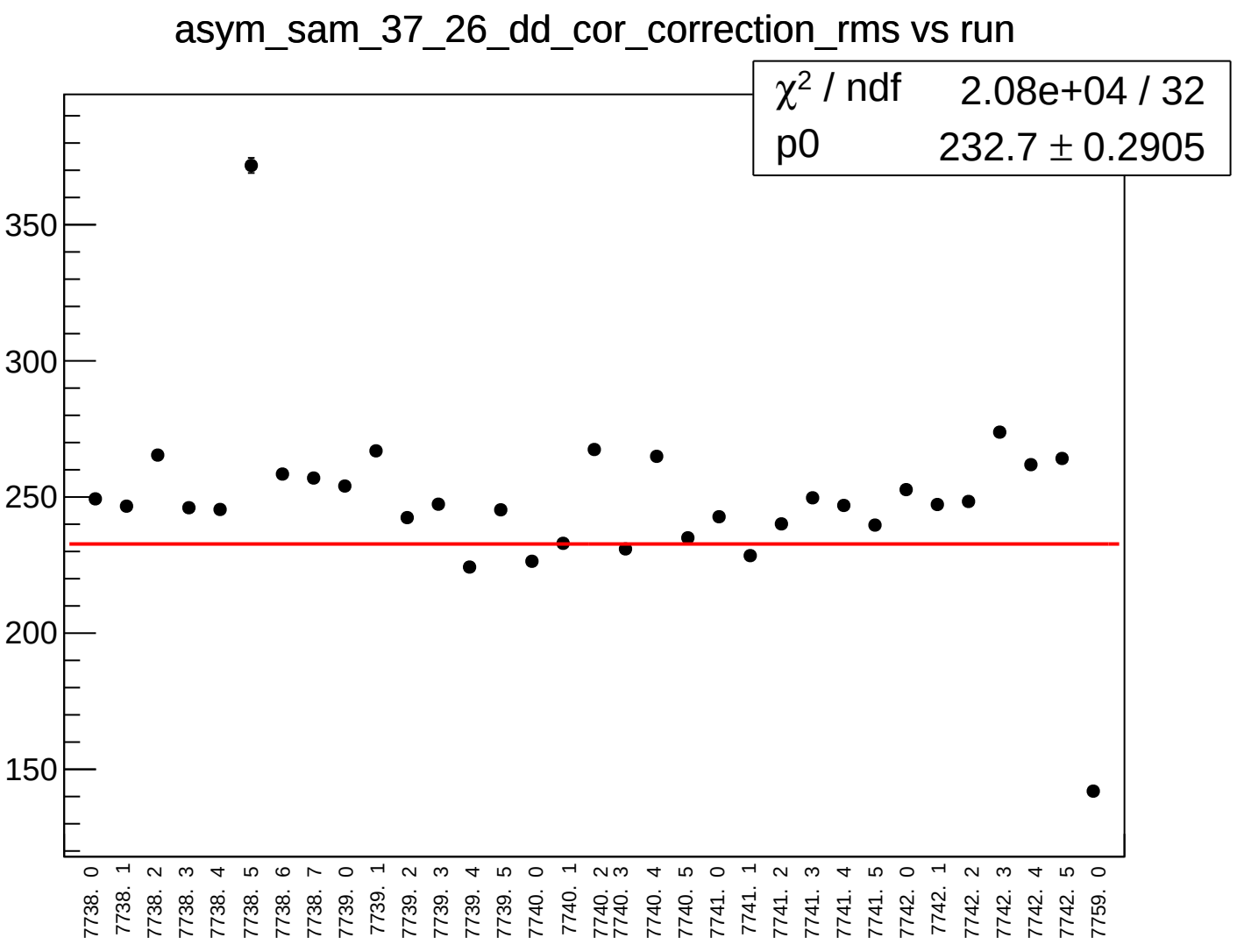

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 2.08e+04 / 32
p0 232.7 ± 0.2905
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

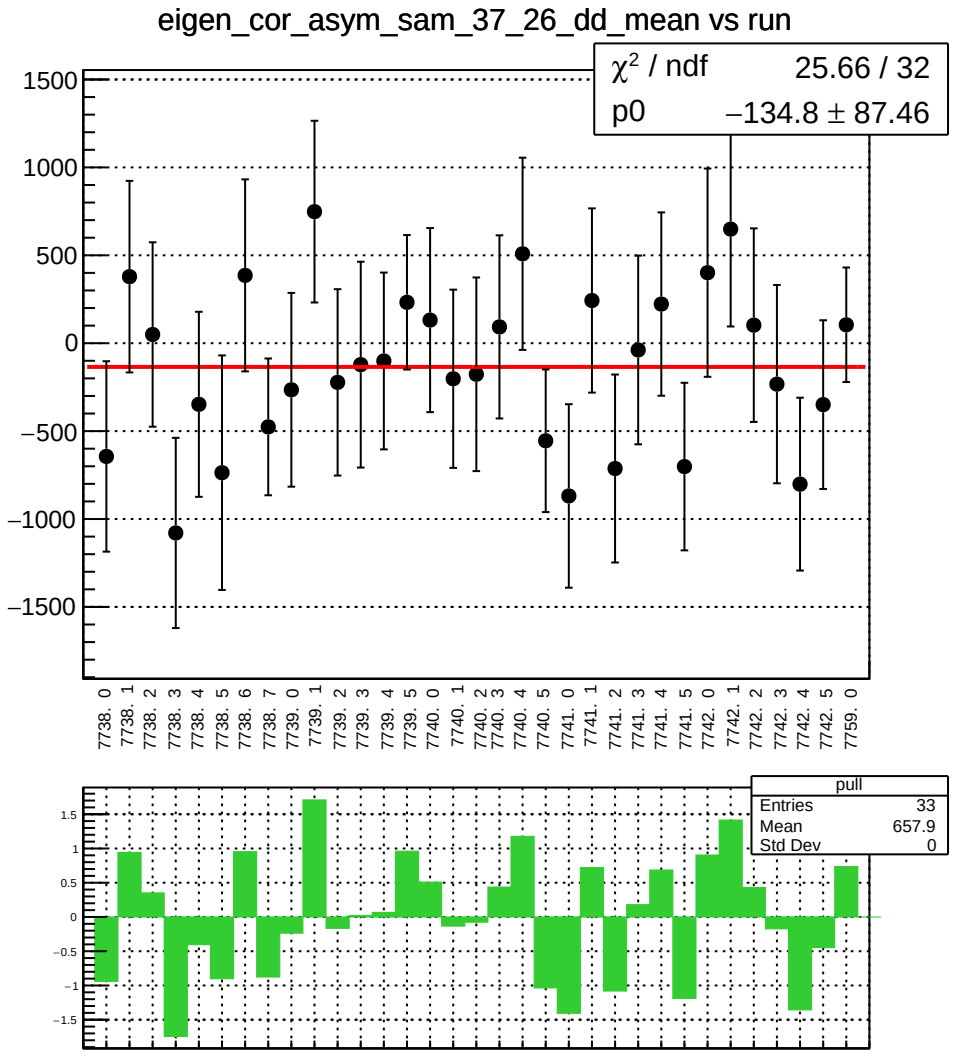

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 25.66 / 32
p0 −134.8 ± 87.46
1500
1000
500
0
−500
−1000
−1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 657.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

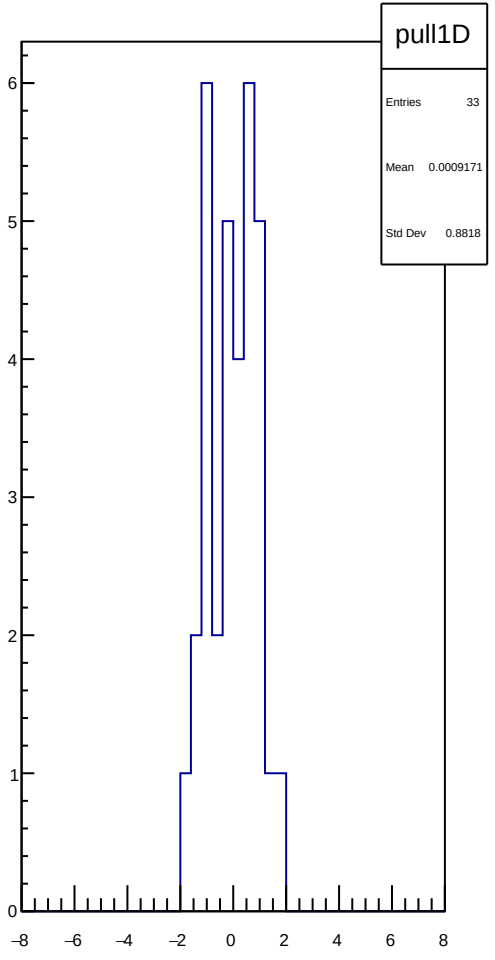

pull1D
Entries 33
Mean 0.0009171
Std Dev 0.8818
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

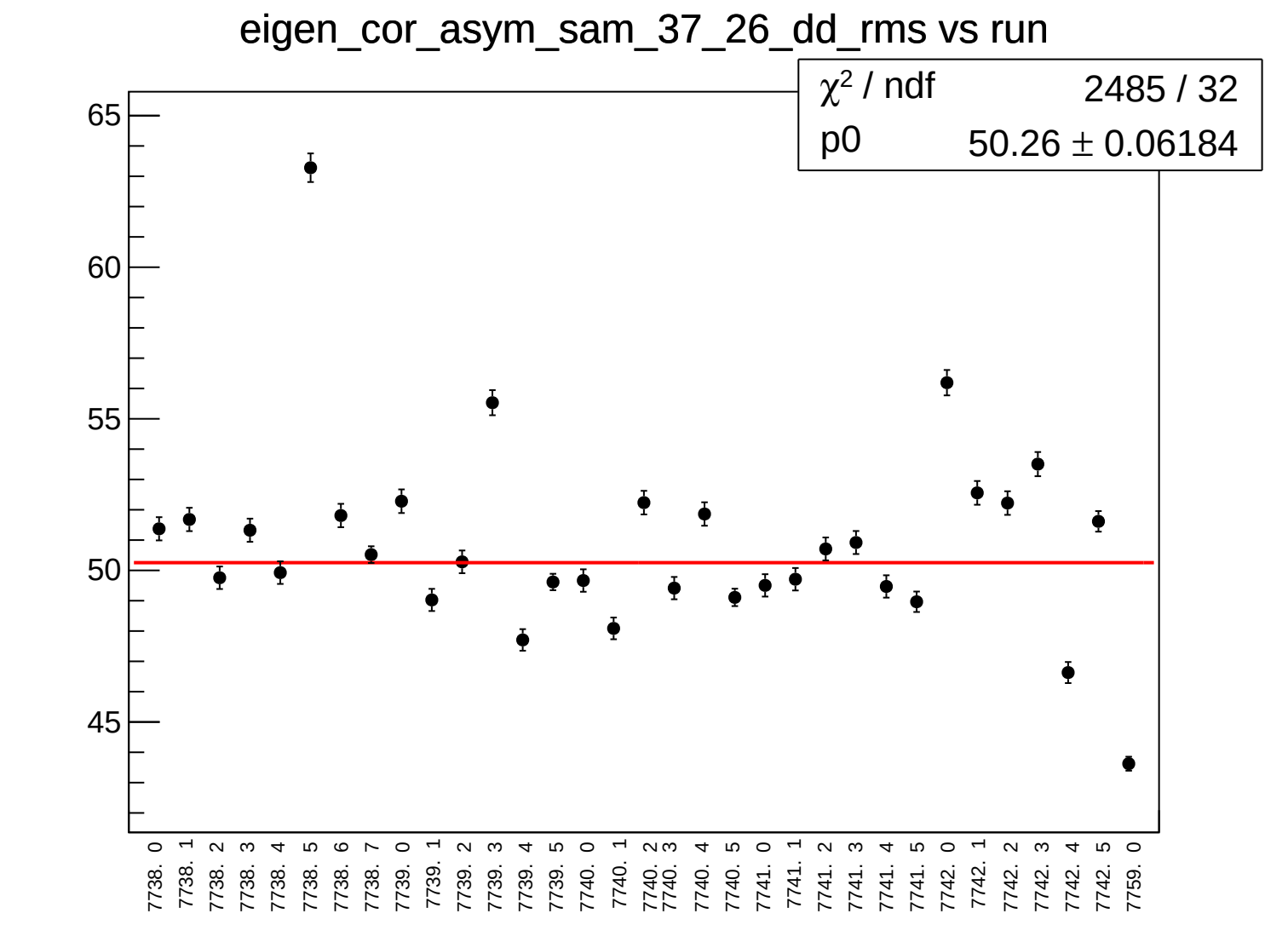

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 2485 / 32
p0 50.26 ± 0.06184
65
60
55
50
45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

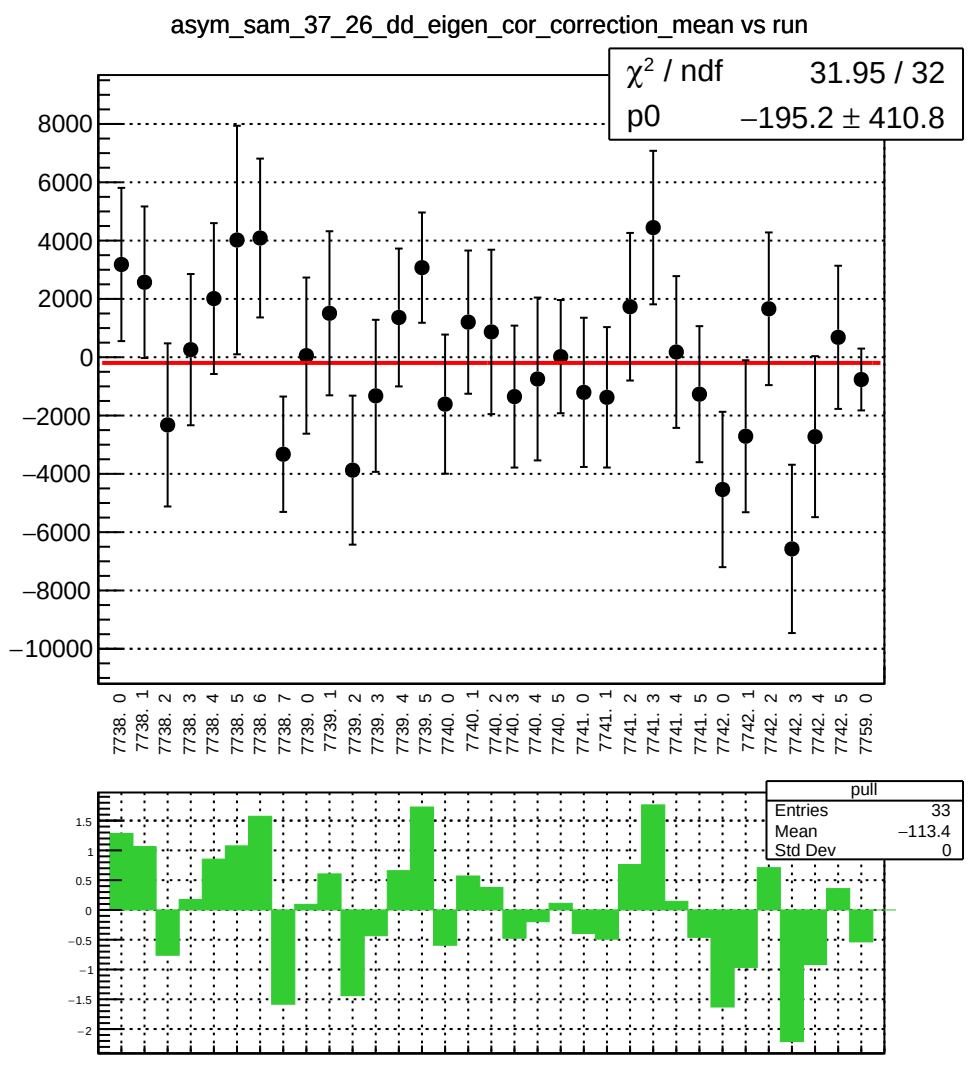

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 31.95 / 32
p0 −195.2 ± 410.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02493
Std Dev 0.9836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

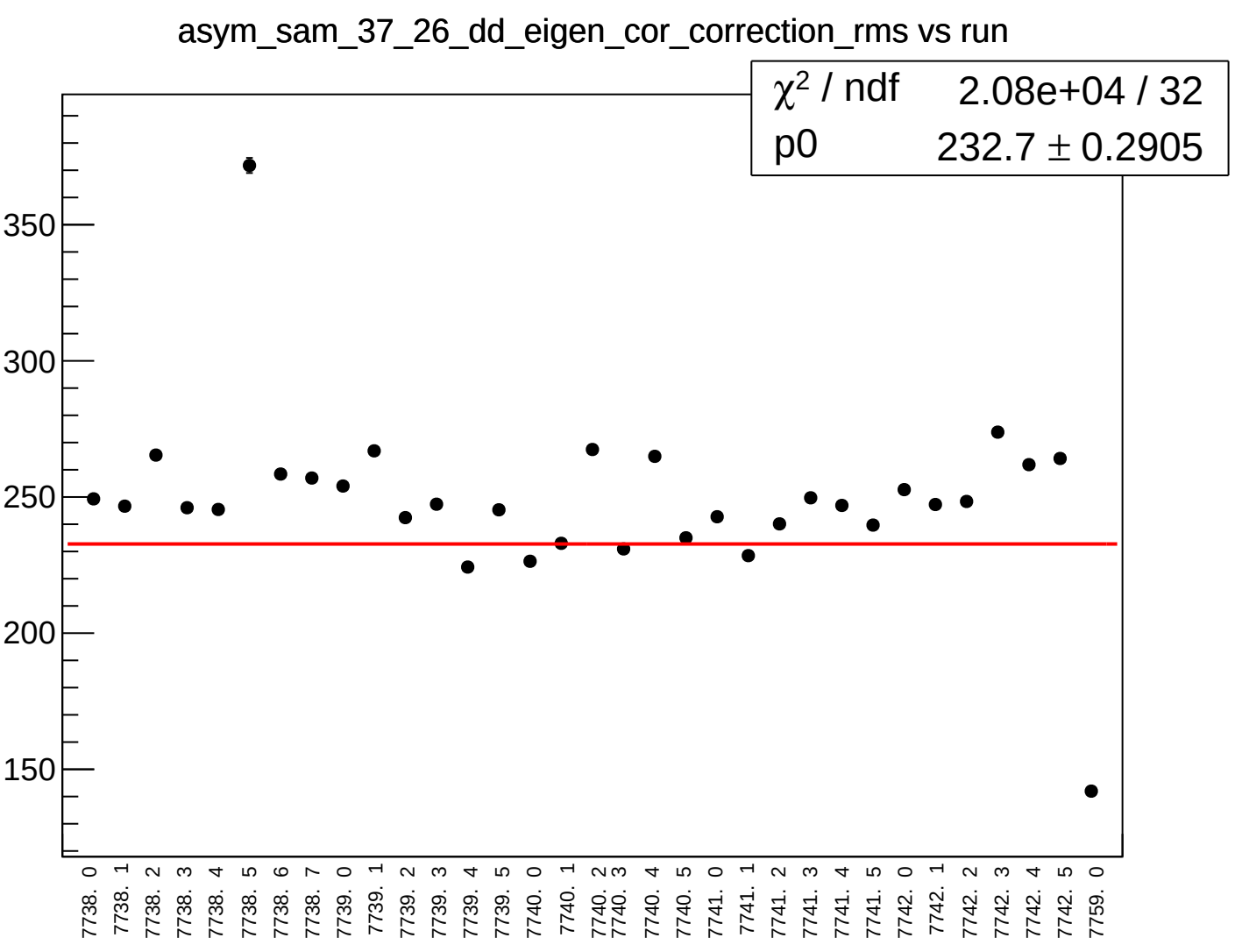

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 2.08e+04 / 32
p0 232.7 ± 0.2905
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

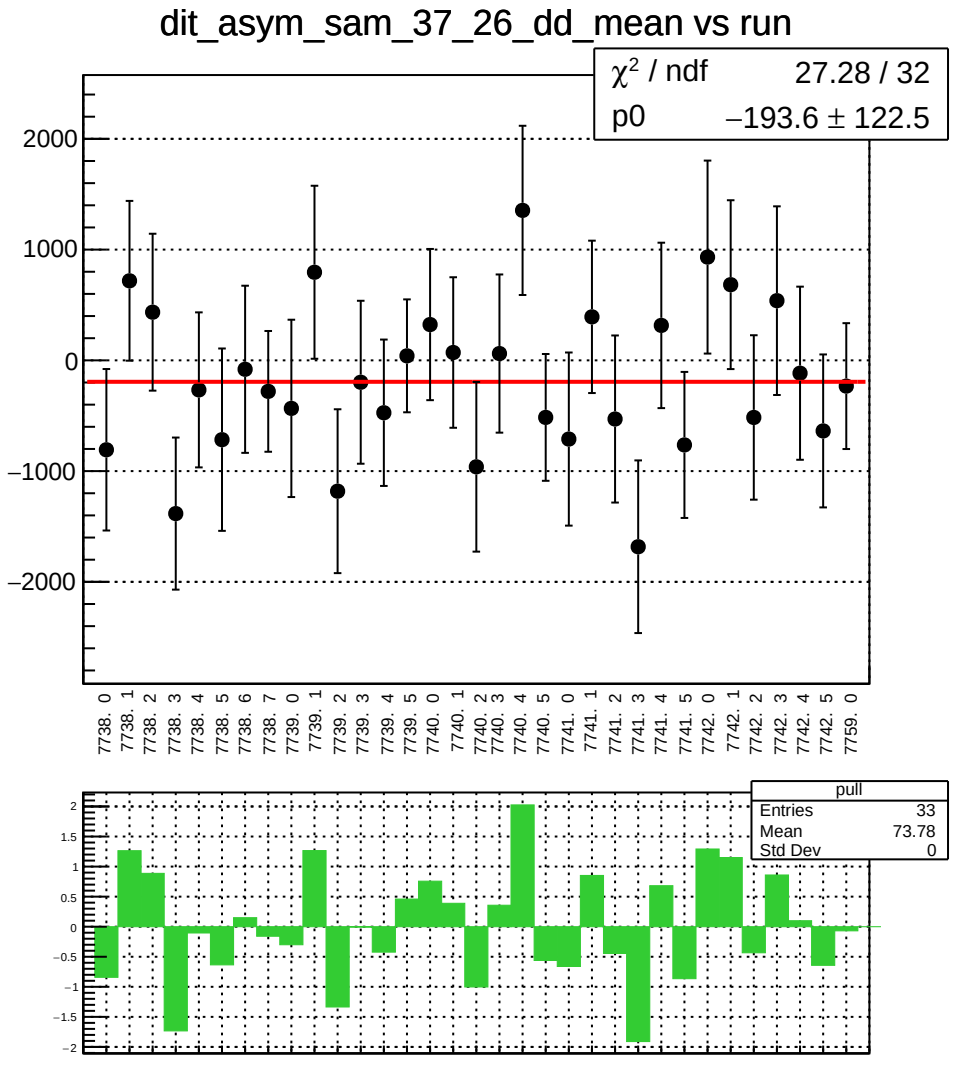

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 25.66 / 32
p0 −134.8 ± 87.46
1500
1000
500
0
−500
−1000
−1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 657.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

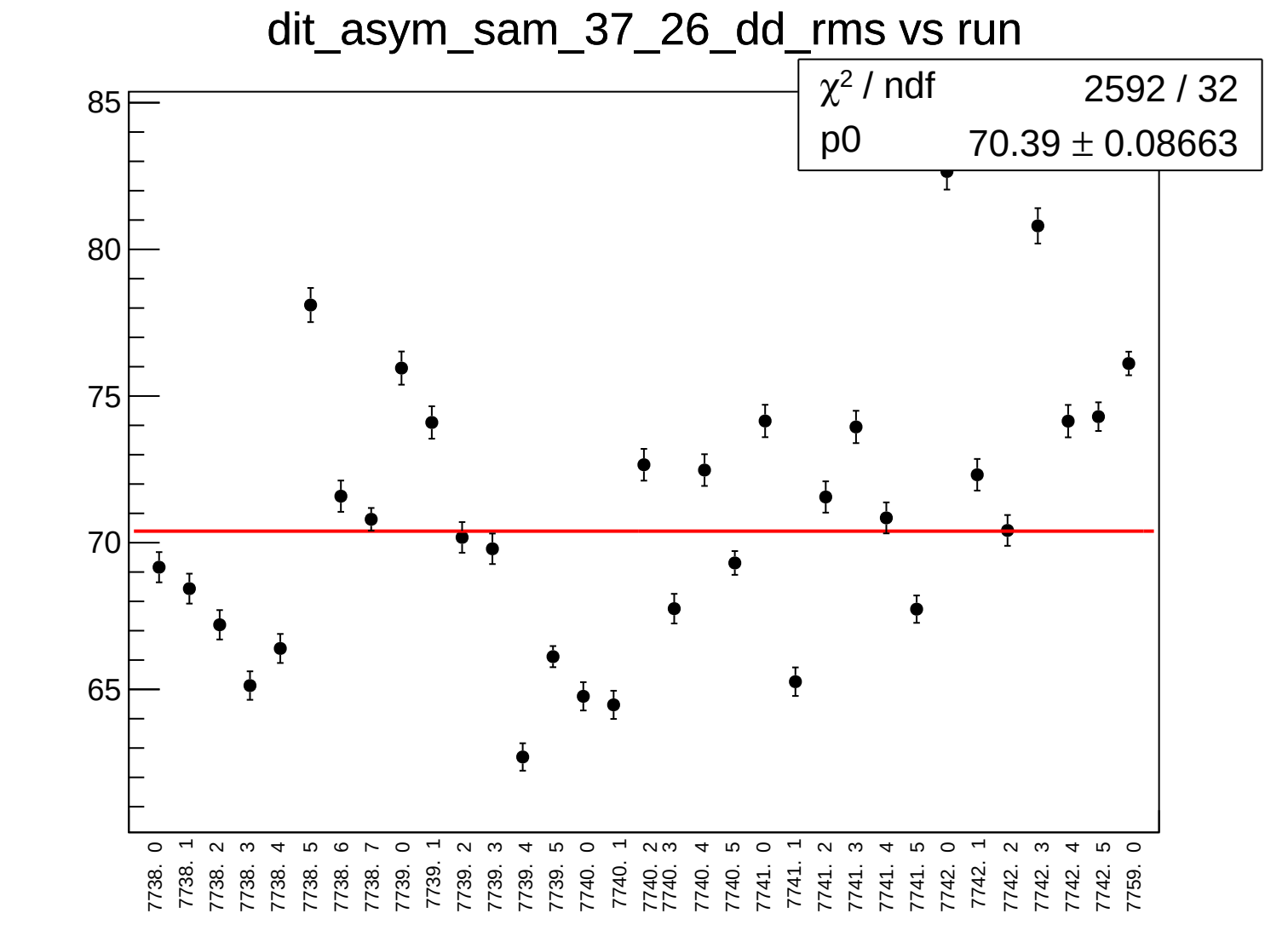

pull1D
Entries 33
Mean 0.0009171
Std Dev 0.8818
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

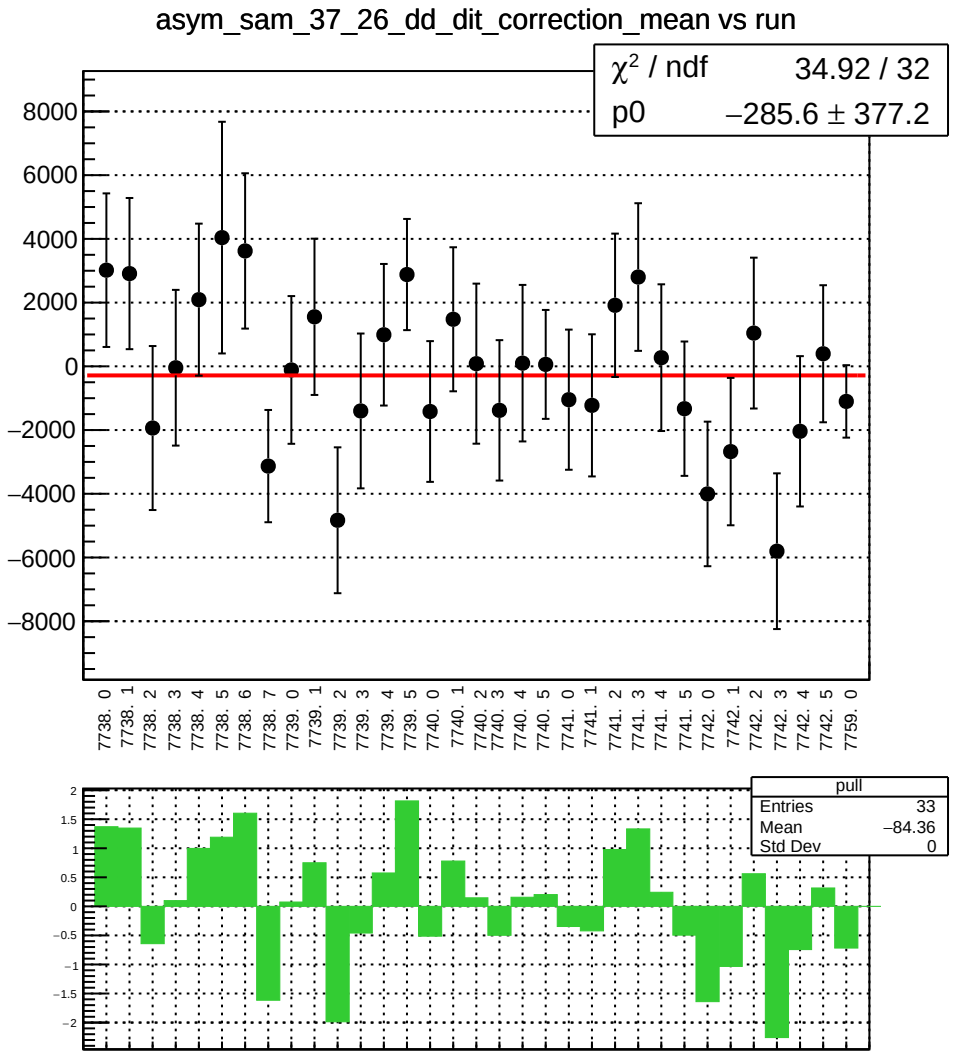

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 2485 / 32
p0 50.26 ± 0.06184
65
60
55
50
45
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

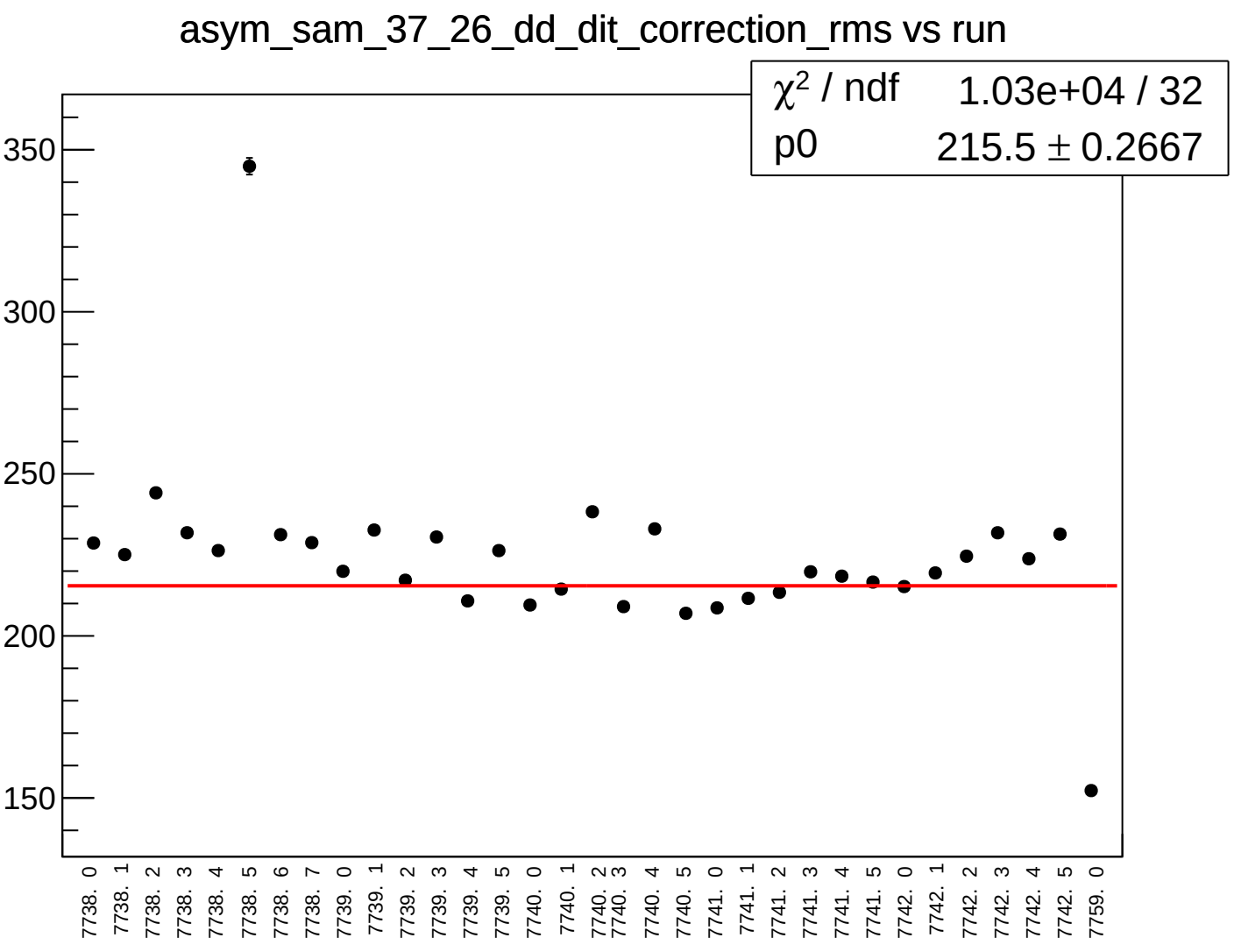

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 31.95 / 32
p0 −195.2 ± 410.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02493
Std Dev 0.9836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

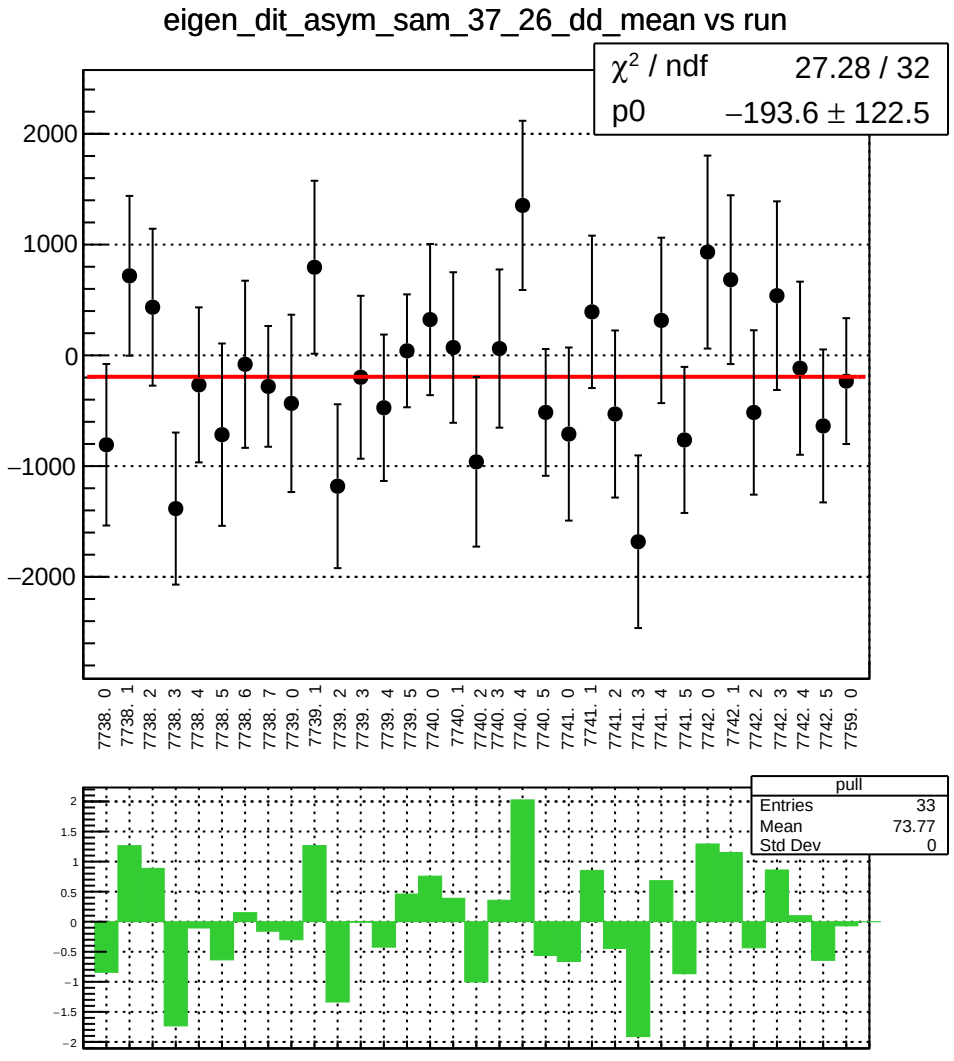

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.08e+04 / 32
p0 232.7 ± 0.2905
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 27.28 / 32
p0 −193.6 ± 122.5
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01108
Std Dev 0.9091
7
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 2592 / 32
p0 70.39 ± 0.08663
85
80
75
70
65
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 34.92 / 32
p0 −285.6 ± 377.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −84.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.03546
Std Dev 1.028
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 1.03e+04 / 32
p0 215.5 ± 0.2667
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 27.28 / 32
p0 −193.6 ± 122.5
2000
1000
0
−1000
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 73.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01108
Std Dev 0.9091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
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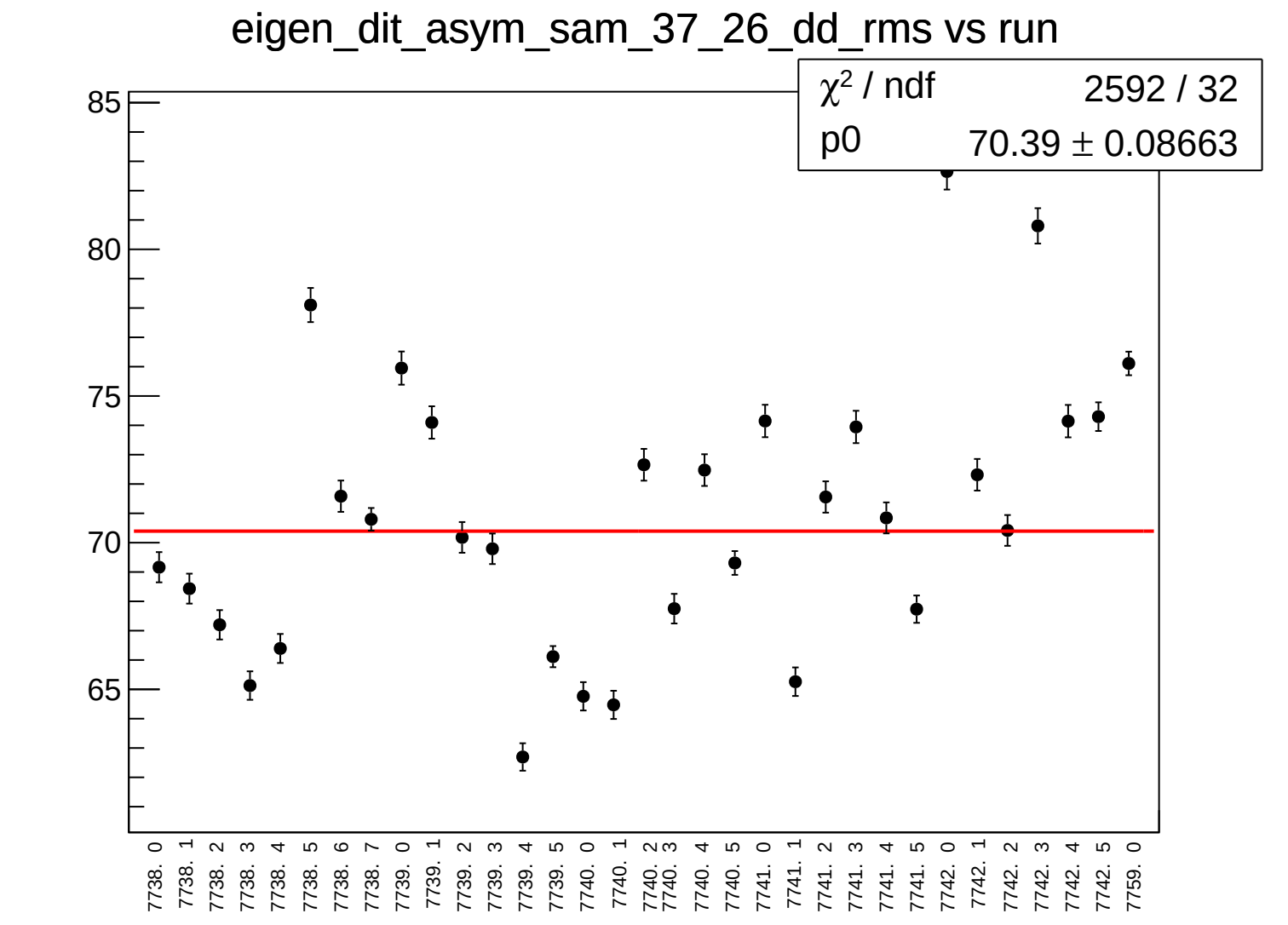
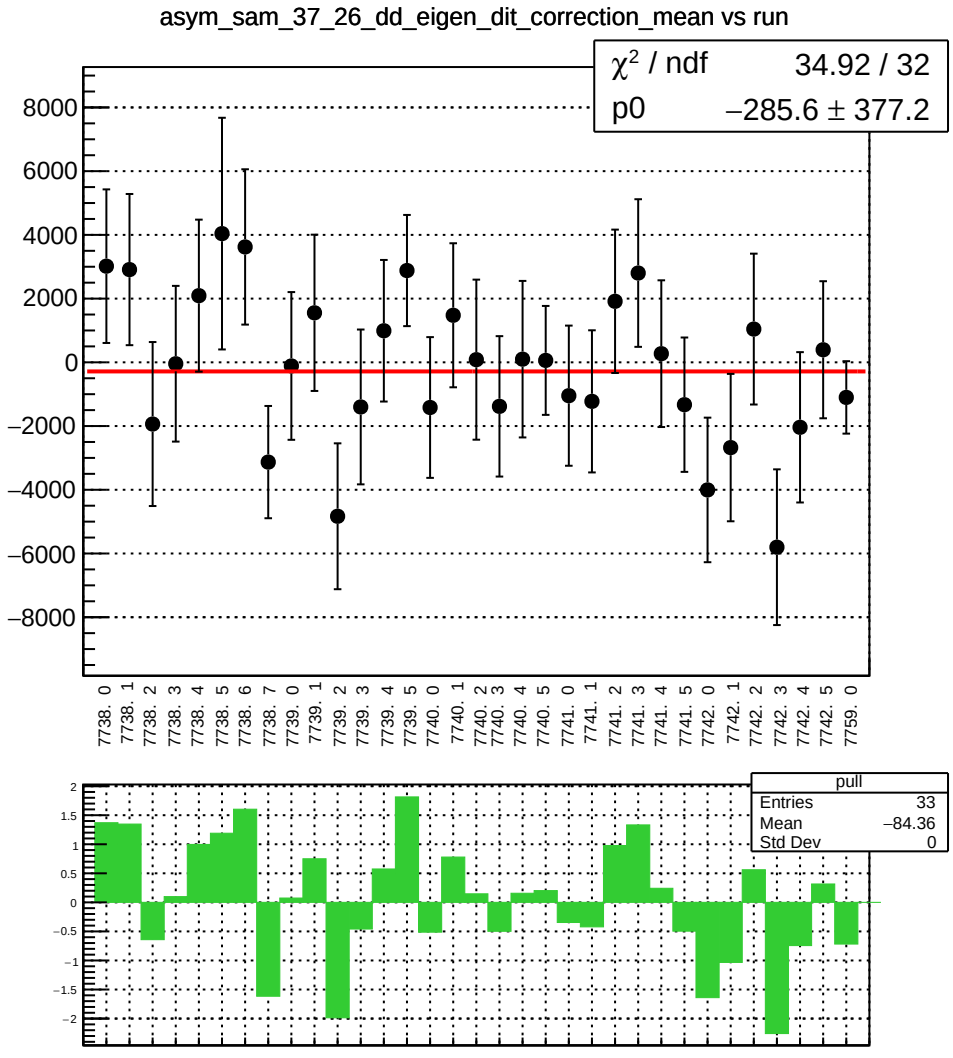
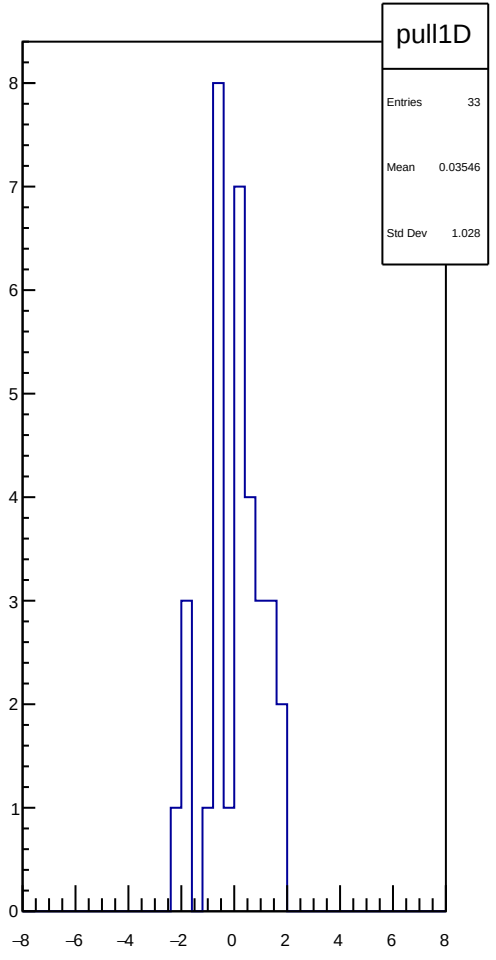
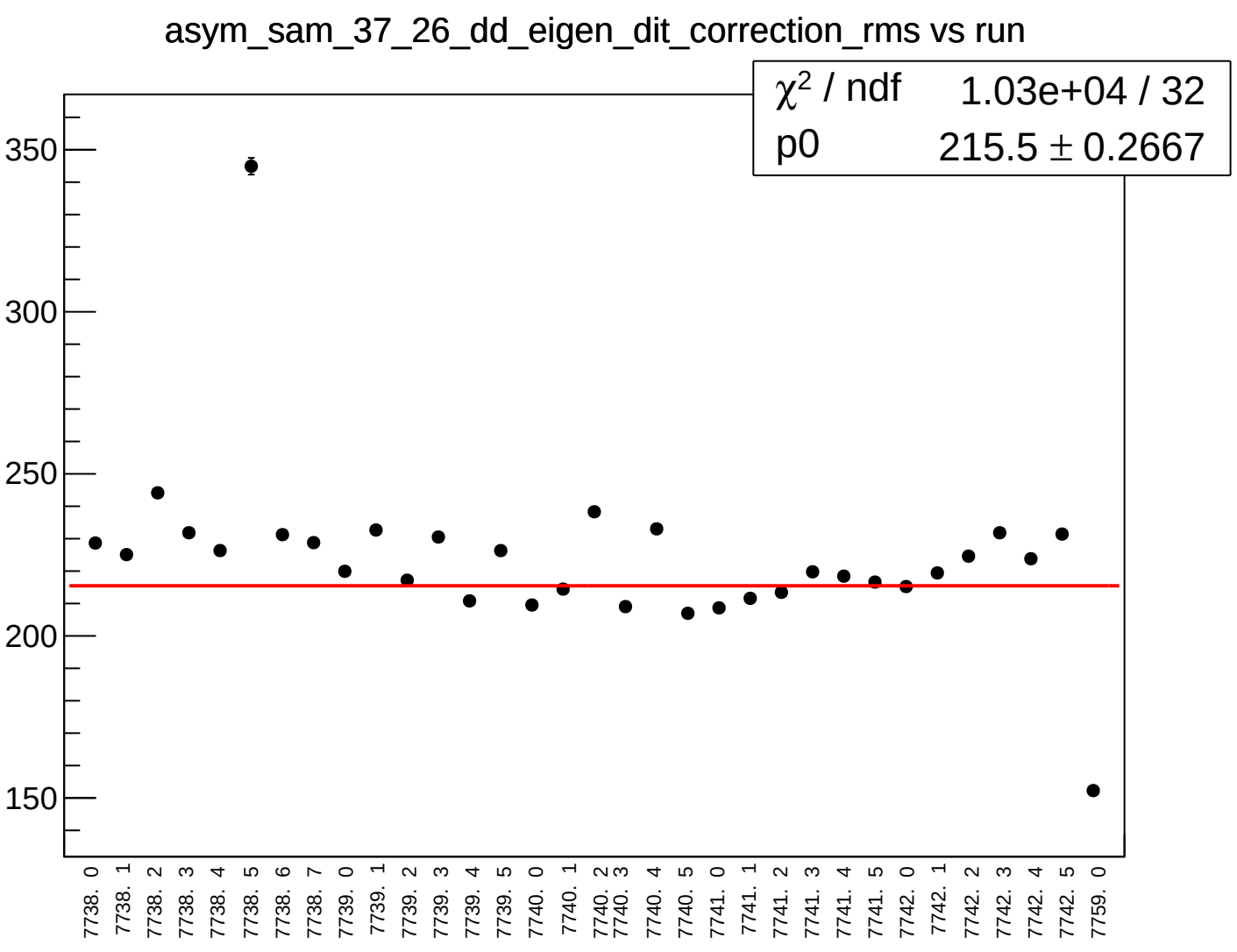
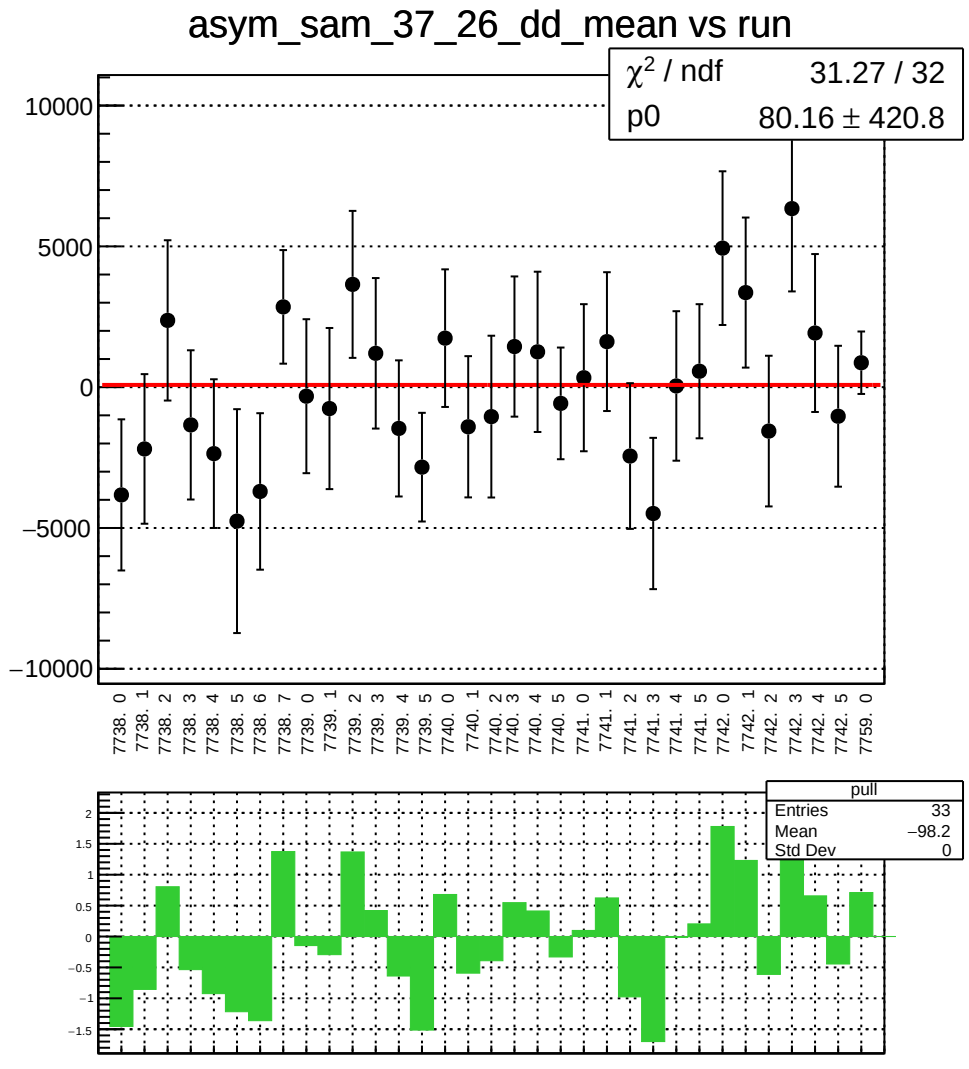
2
4
6
8

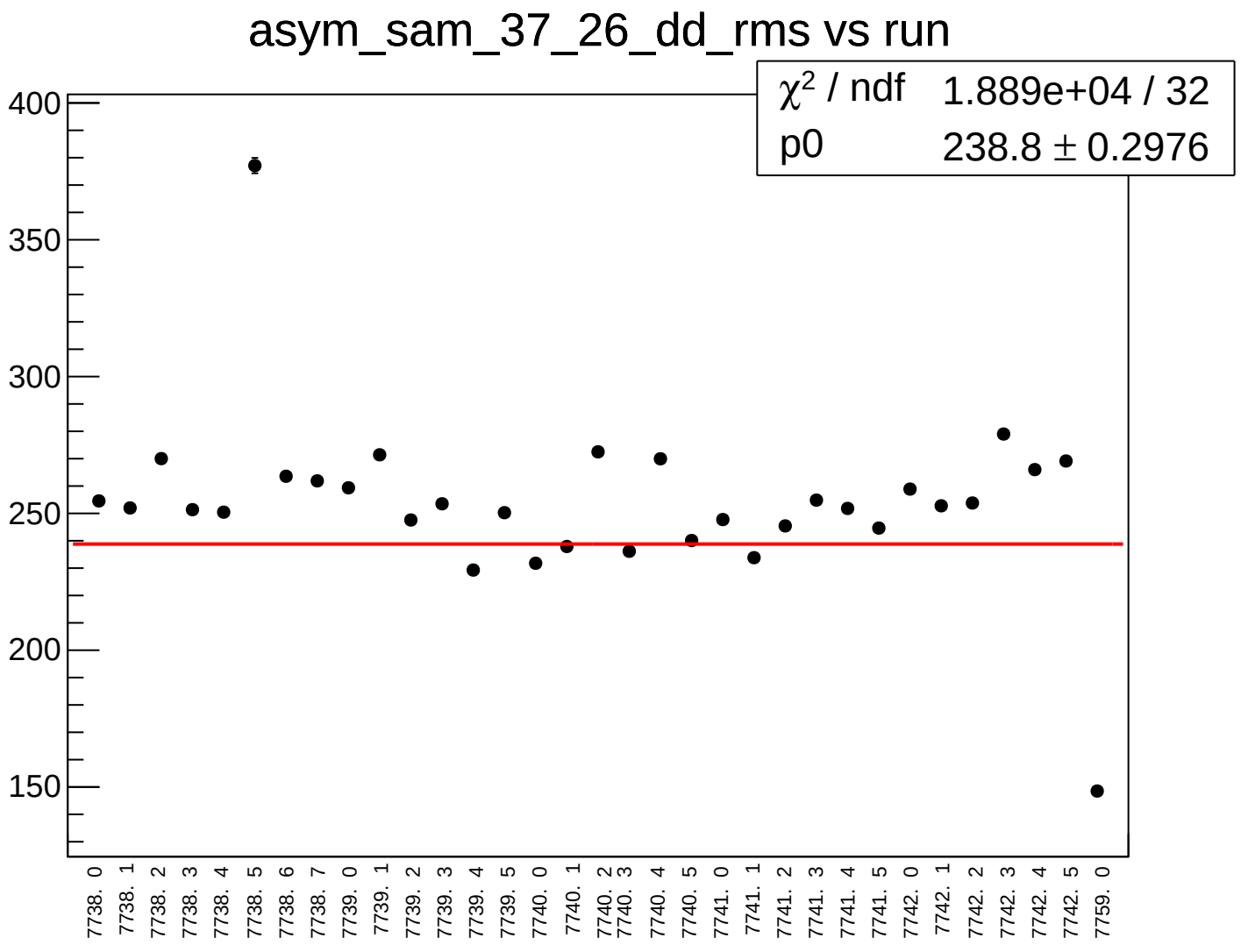

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2592 / 32
p0 70.39 ± 0.08663
85
80
75
70
65
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

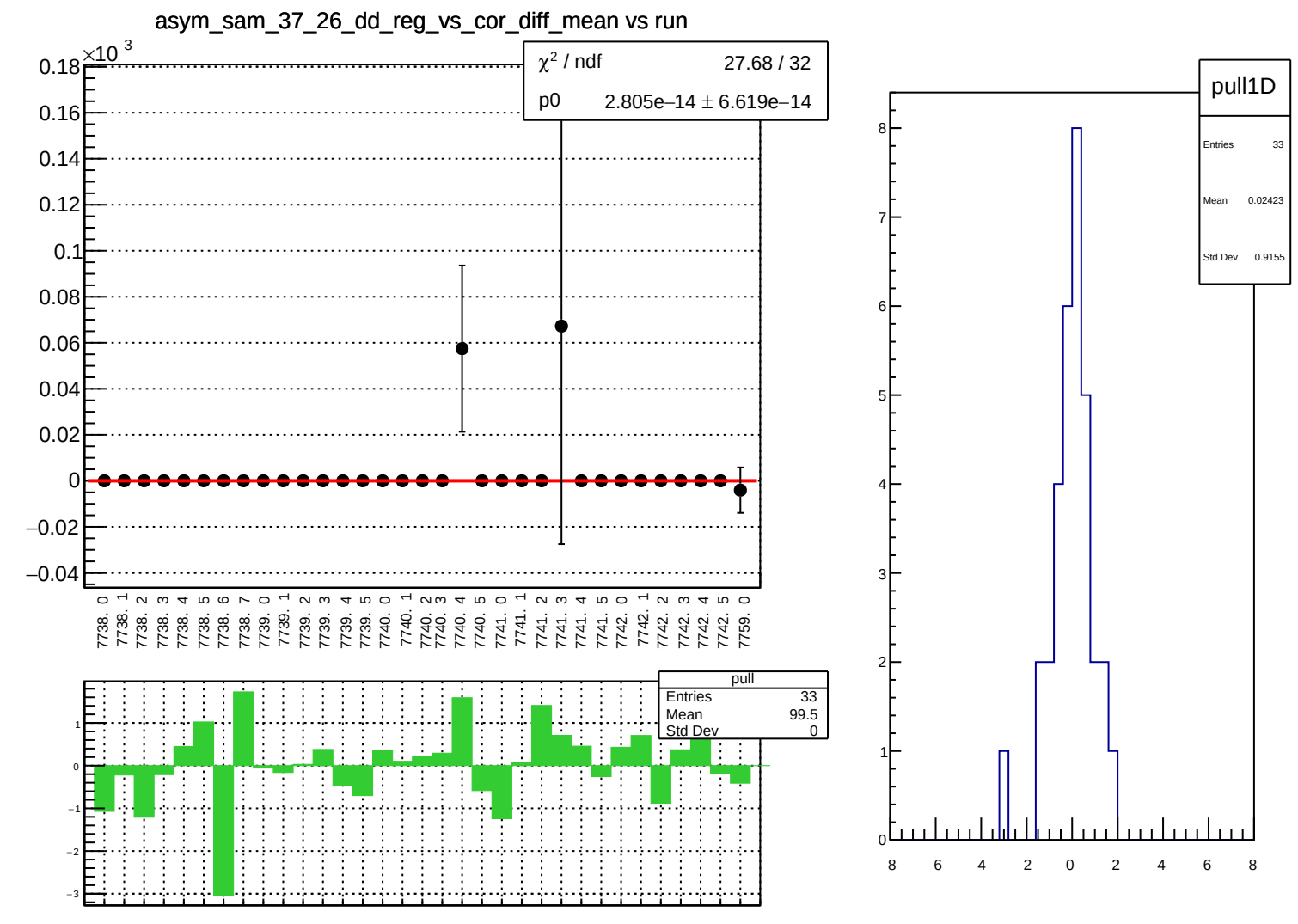

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 34.92 / 32
p0 −285.6 ± 377.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −84.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

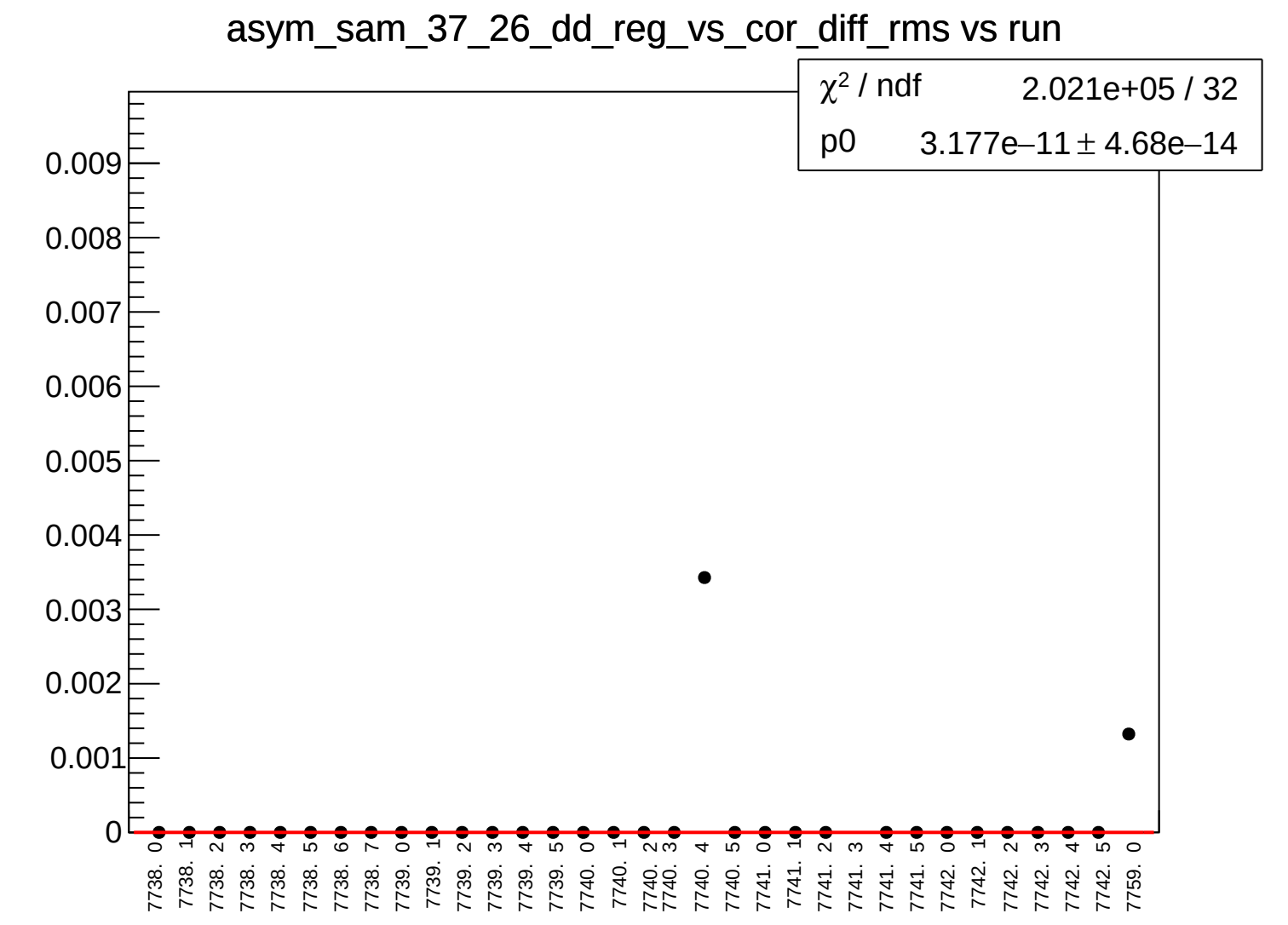

pull1D
Entries 33
Mean 0.03546
Std Dev 1.028
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

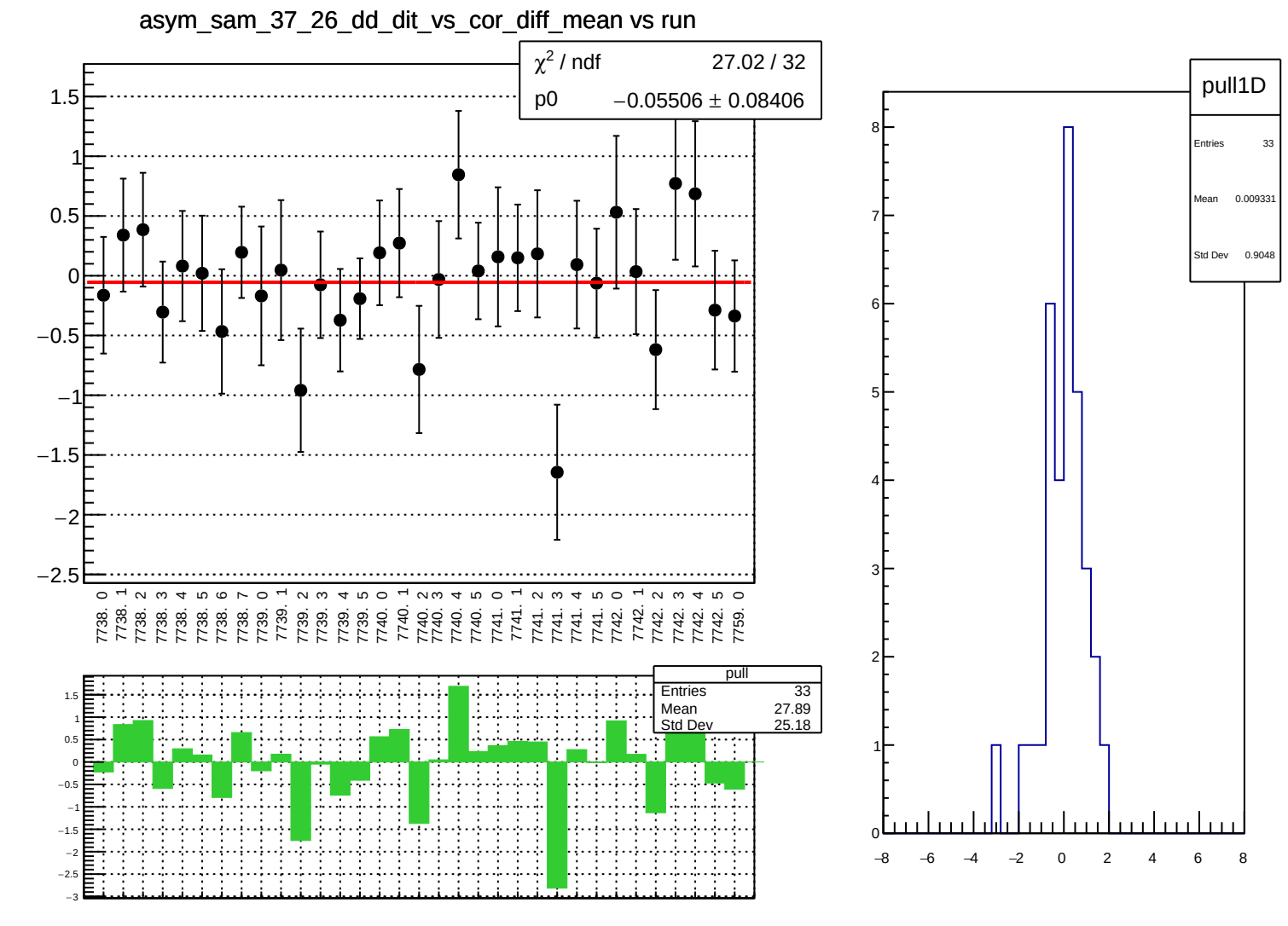

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.03e+04 / 32
p0 215.5 ± 0.2667
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

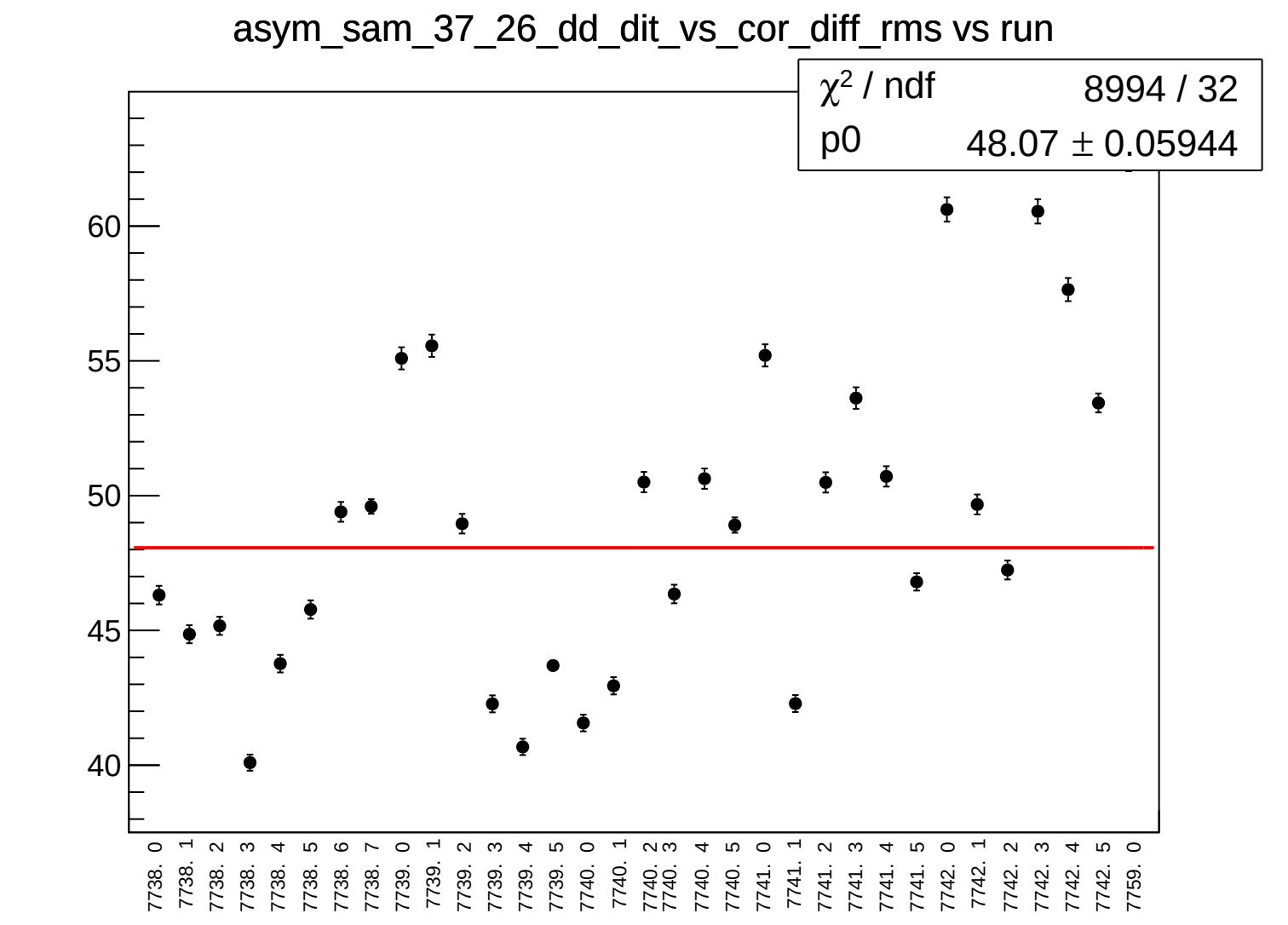

asym_sam_37_26_dd_mean vs run
χ² / ndf 31.27 / 32
p0 80.16 ± 420.8
10000
5000
0
−5000
−10000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −98.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.02912
Std Dev 0.973
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

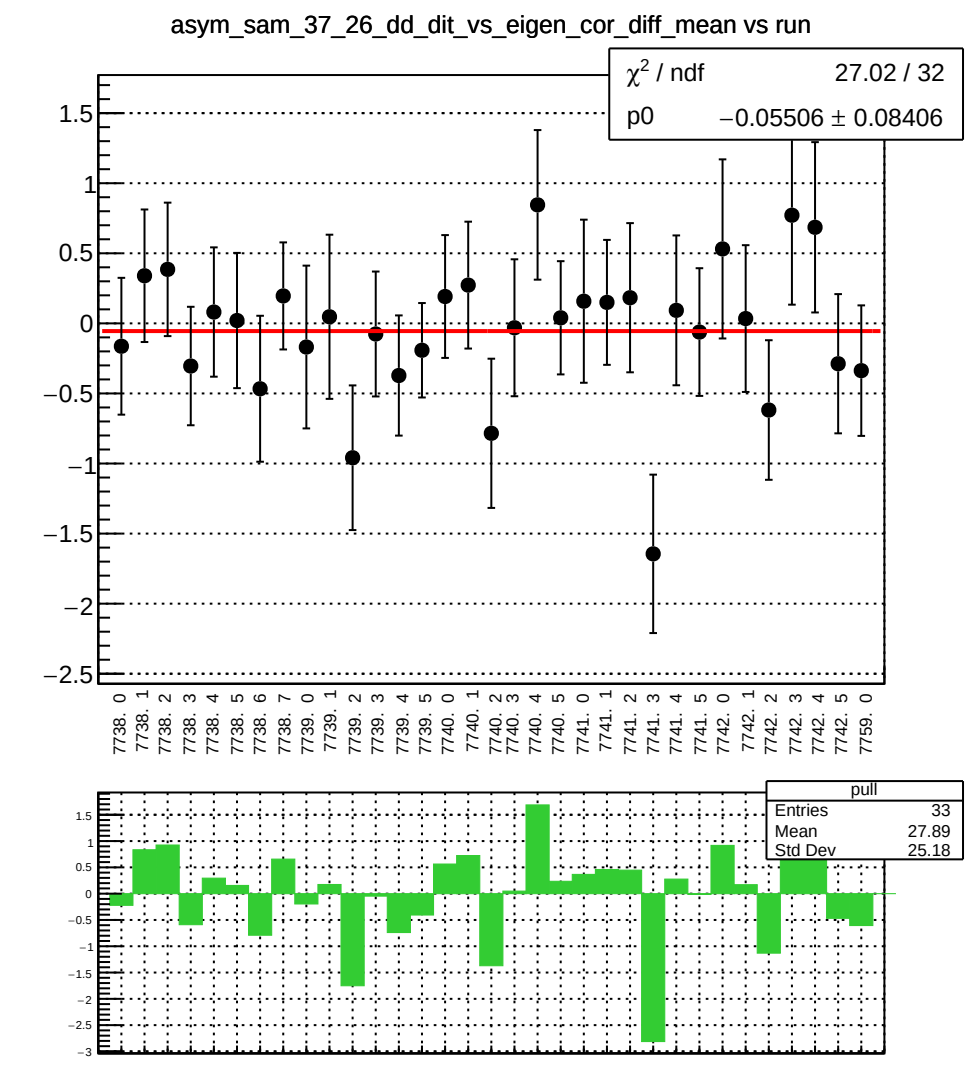

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.889e+04 / 32
p0 238.8 ± 0.2976
400
350
300
250
200
150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

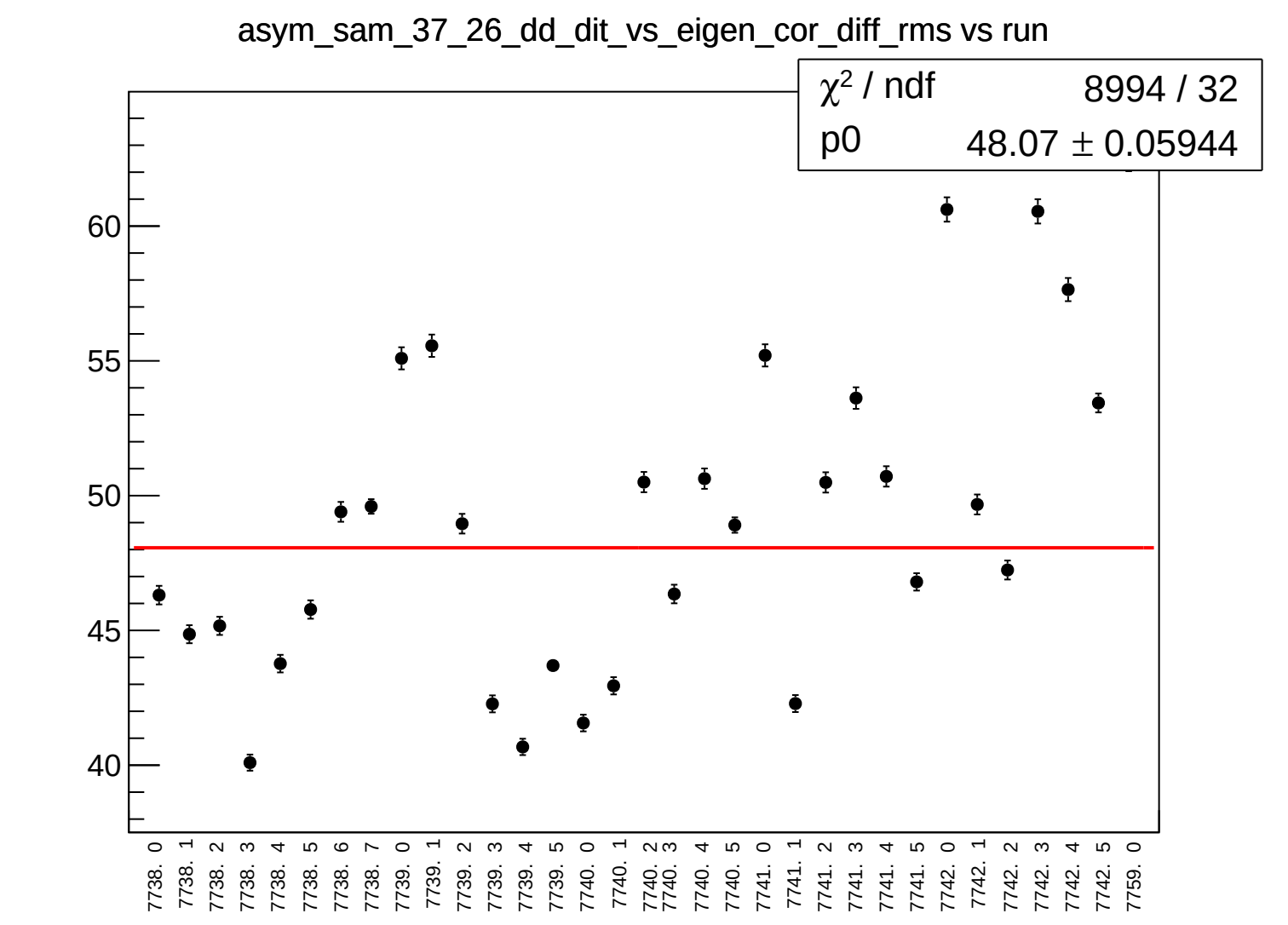

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 27.68 / 32
p0 2.805e−14 ± 6.619e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 99.5
Std Dev 0
pull1D
Entries 33
Mean 0.02423
Std Dev 0.9155

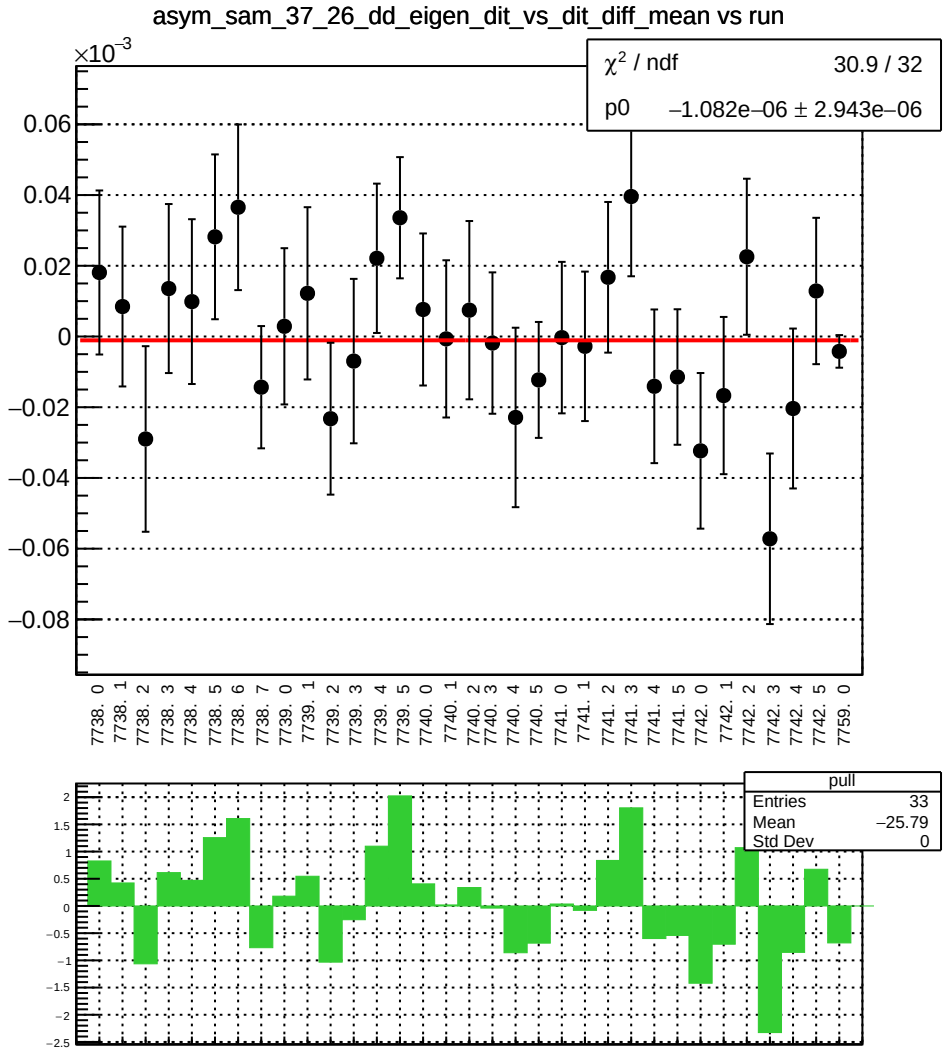

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.021e+05 / 32
p0 3.177e−11 ± 4.68e−14
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

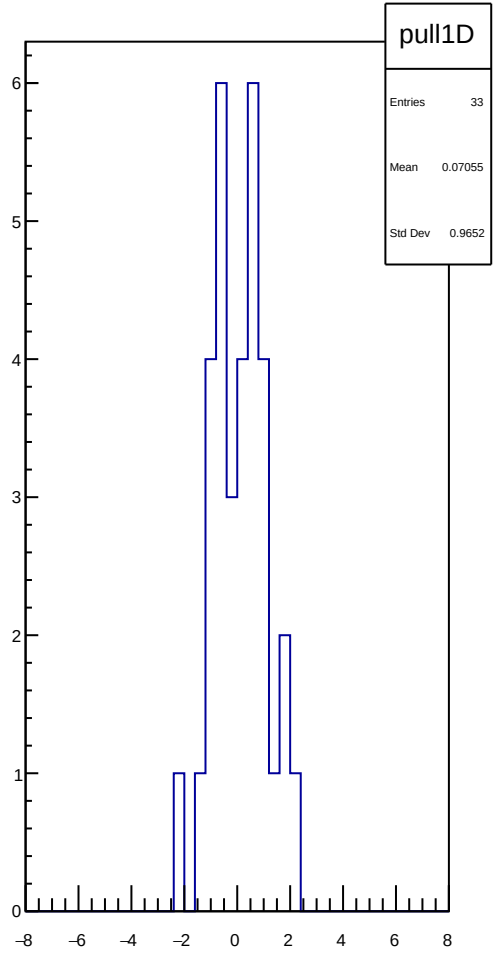

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 27.02 / 32
p0 −0.05506 ± 0.08406
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.89
Std Dev 25.18
pull1D
Entries 33
Mean 0.009331
Std Dev 0.9048

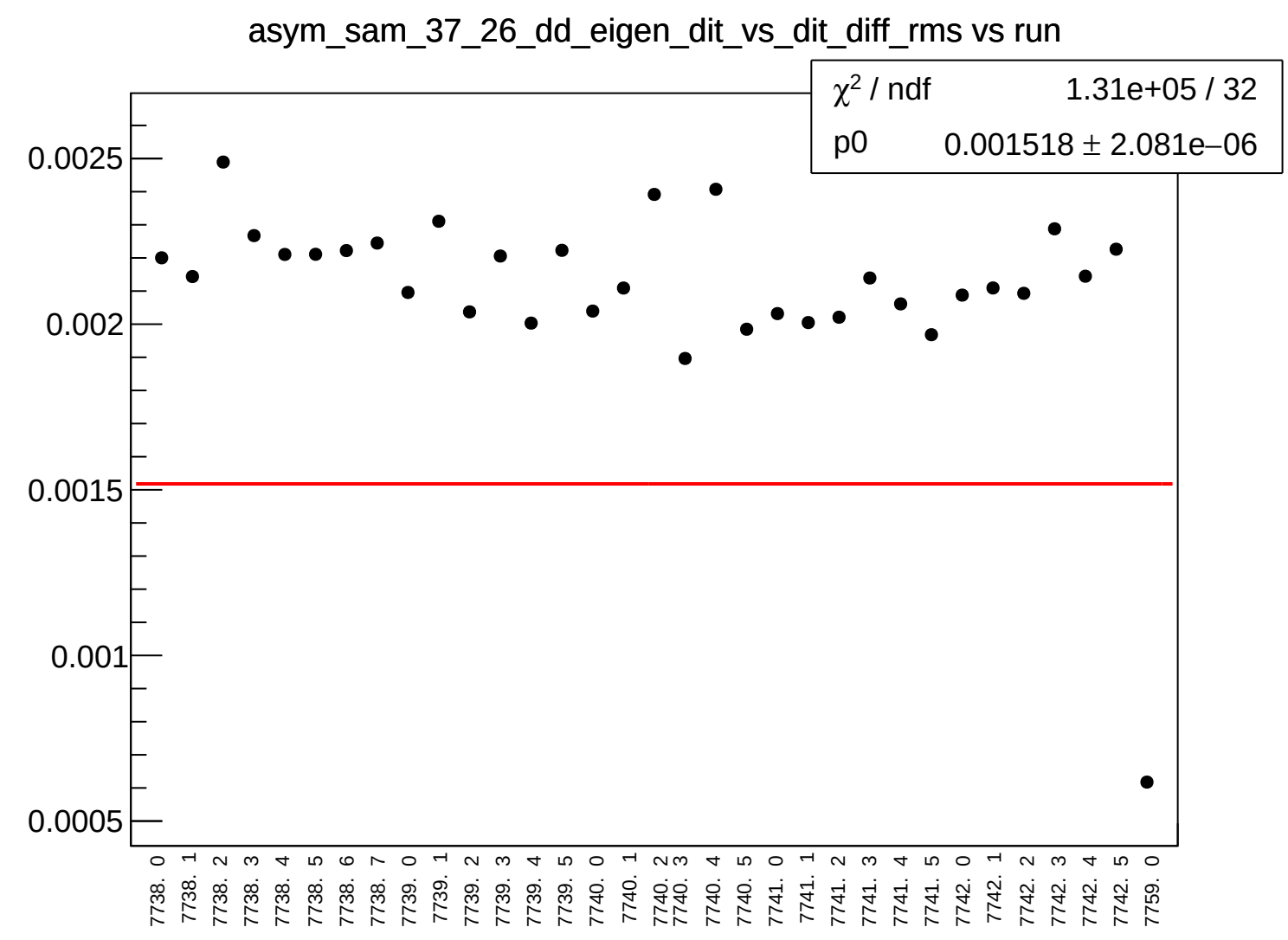

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8994 / 32
p0 48.07 ± 0.05944
60
55
50
45
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

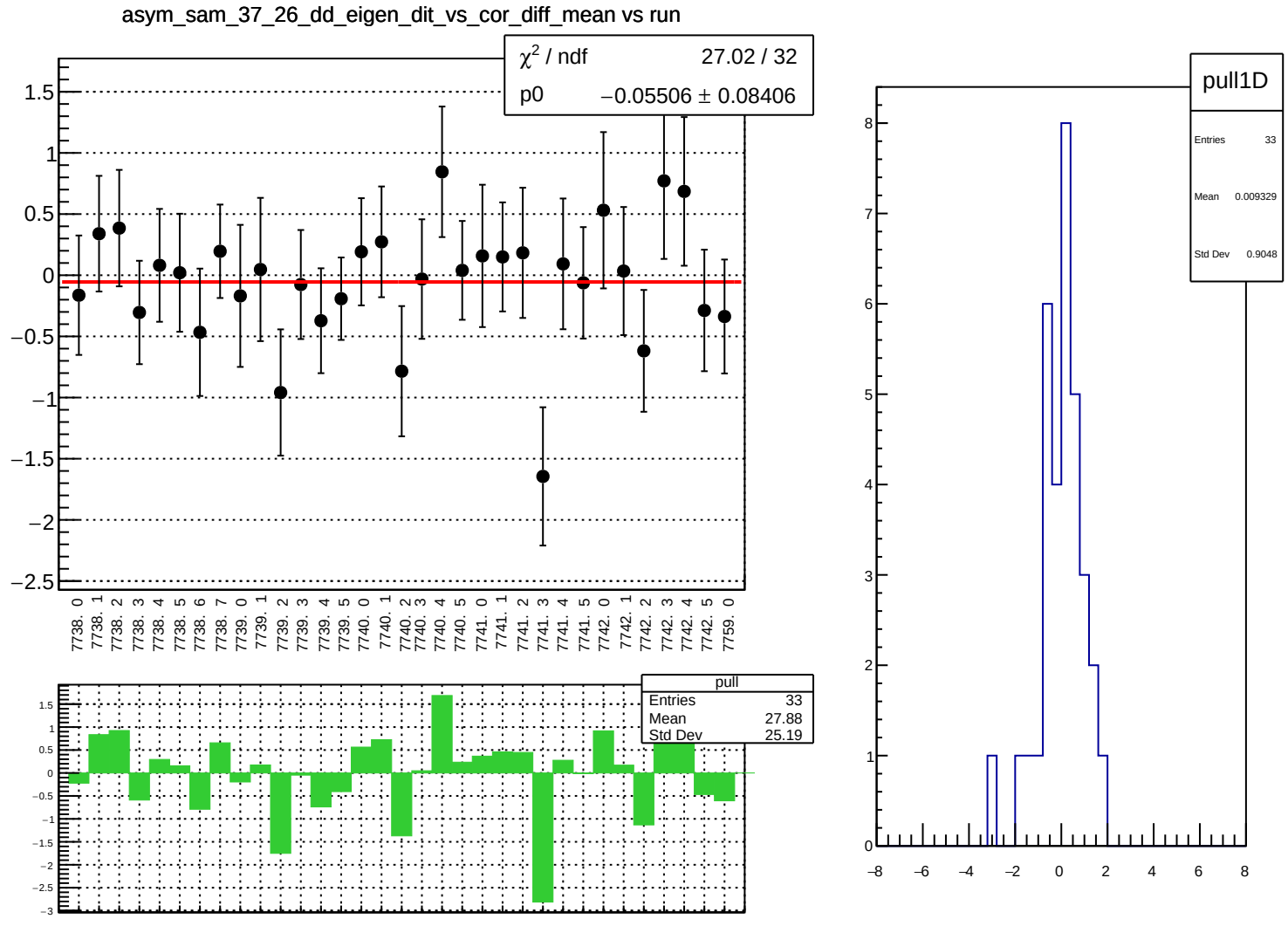

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.02 / 32
p0 −0.05506 ± 0.08406
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.89
Std Dev 25.18
pull1D
Entries 33
Mean 0.009331
Std Dev 0.9048
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

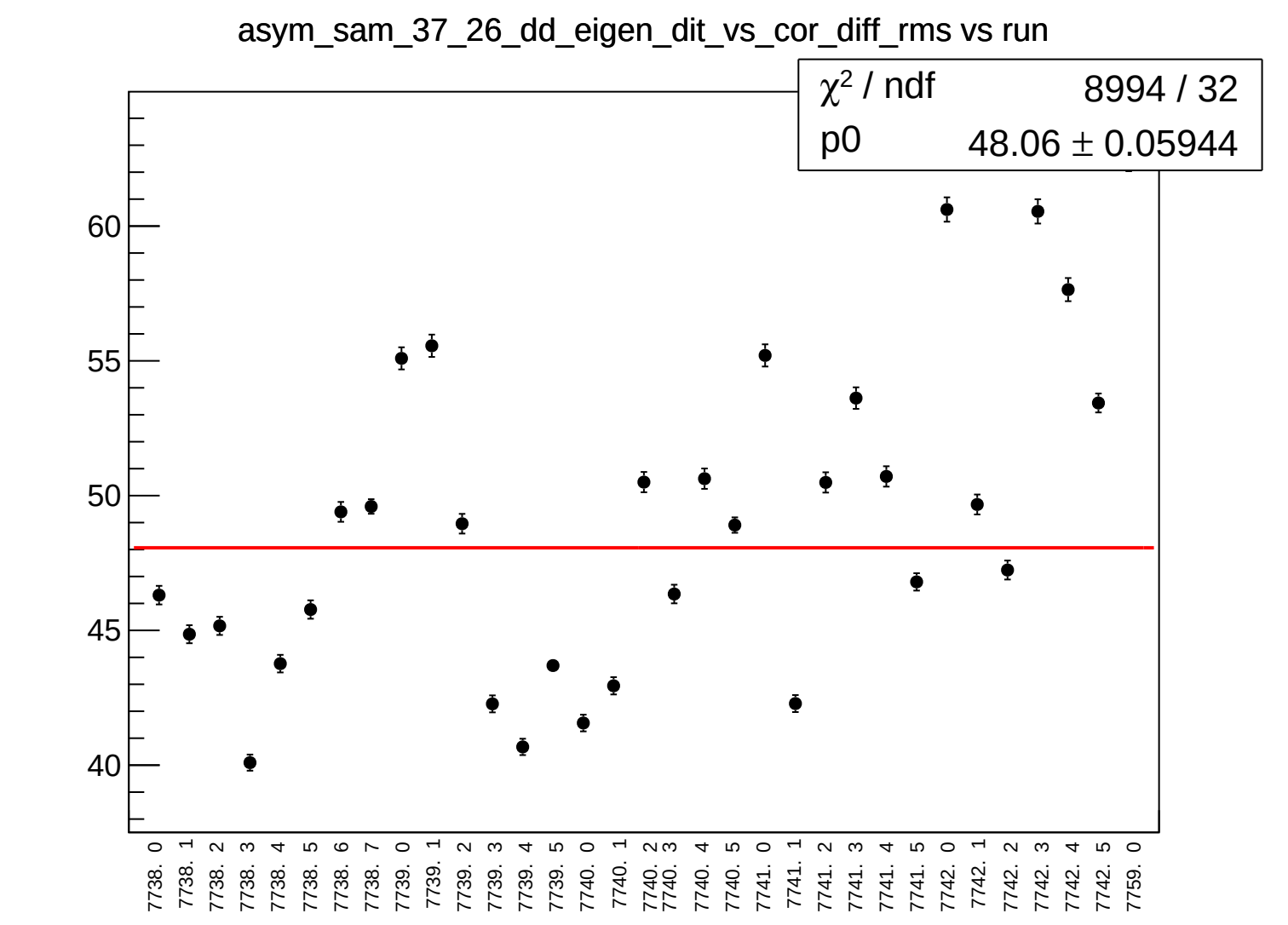

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8994 / 32
p0 48.07 ± 0.05944
60
55
50
45
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

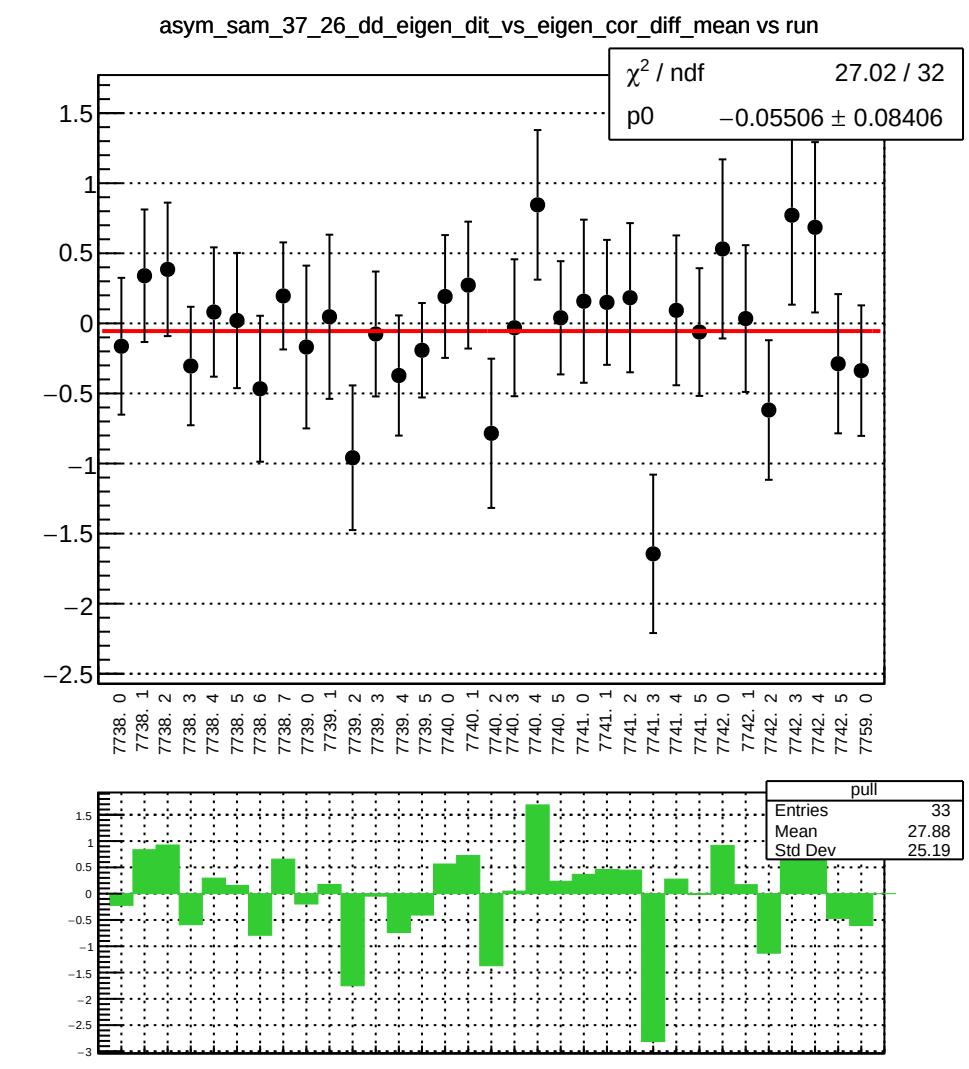

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.9 / 32
p0 −1.082e−06 ± 2.943e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.79
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

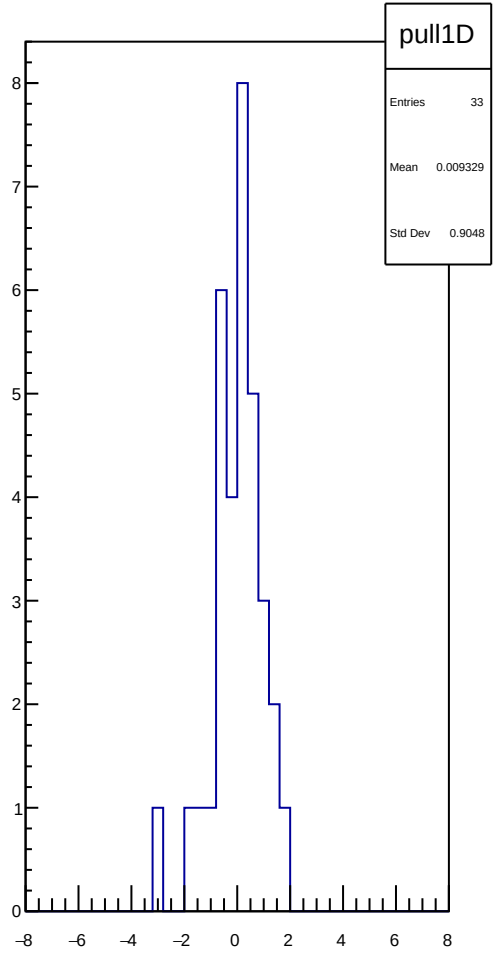

pull1D
Entries 33
Mean 0.07055
Std Dev 0.9652
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

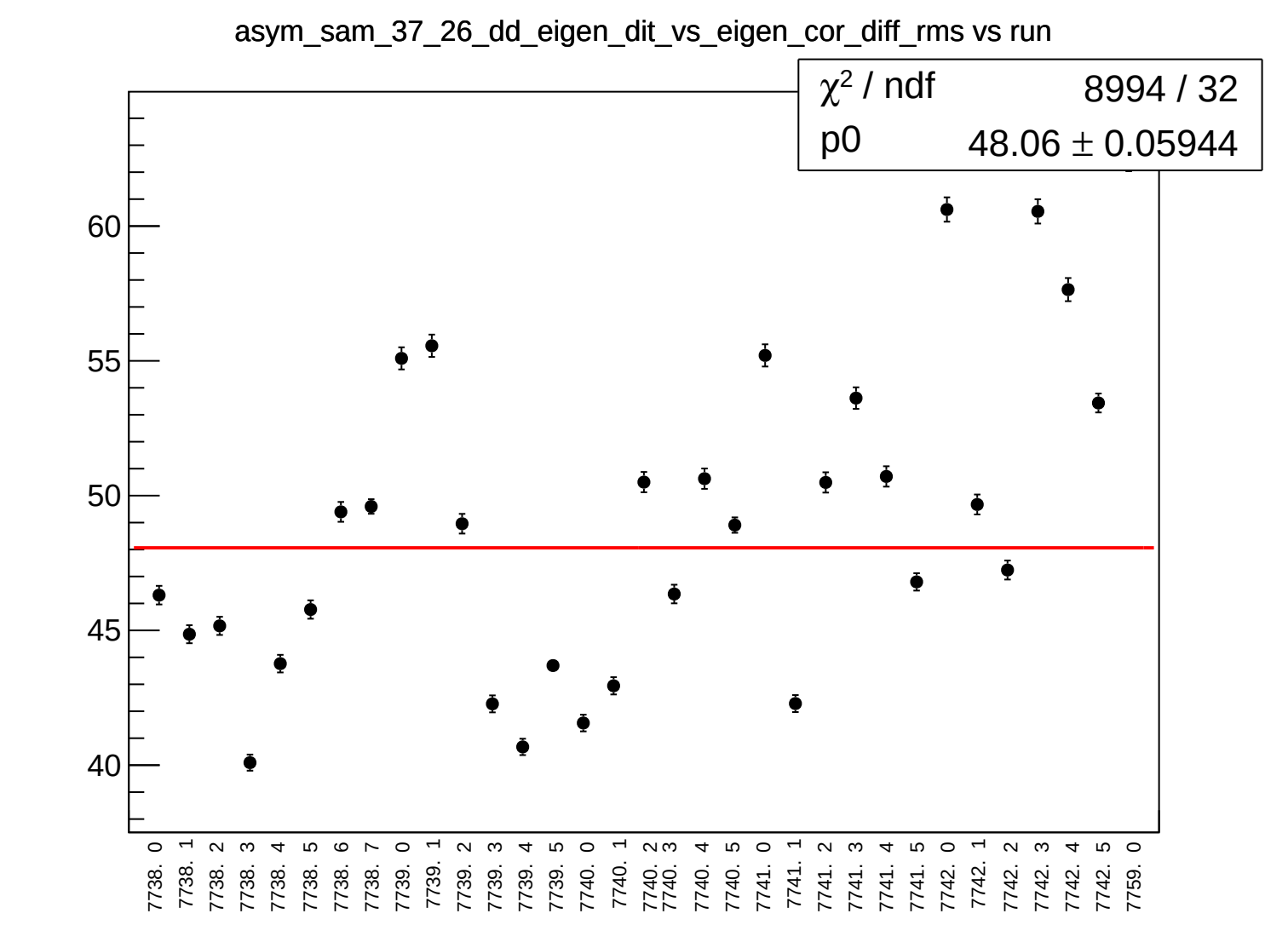

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.31e+05 / 32
p0 0.001518 ± 2.081e−06
0.0025
0.002
0.0015
0.001
0.0005
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.02 / 32
p0 −0.05506 ± 0.08406
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.88
Std Dev 25.19
pull1D
Entries 33
Mean 0.009329
Std Dev 0.9048

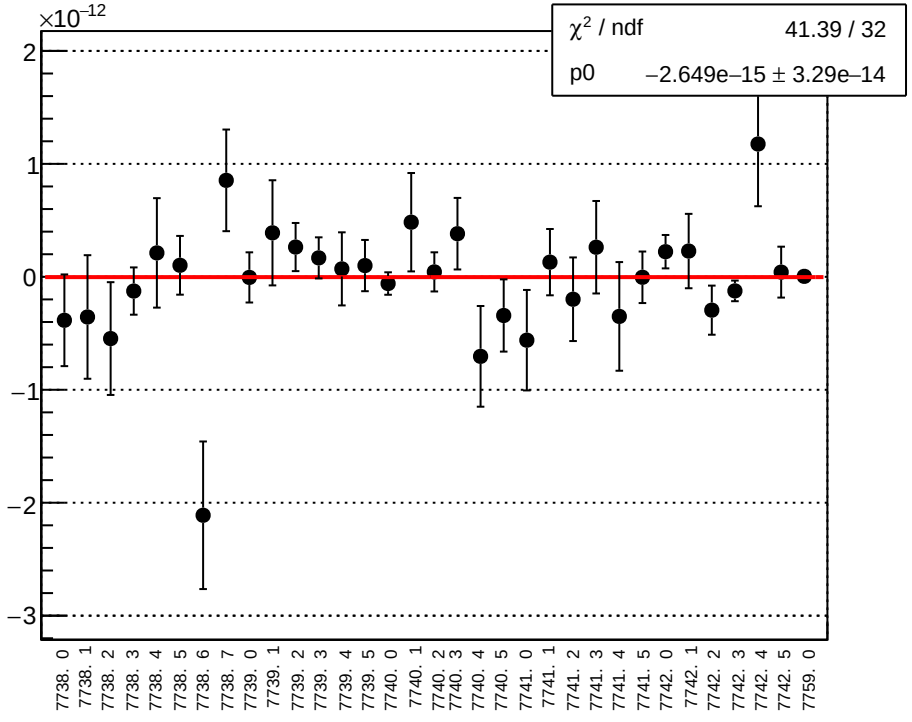

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8994 / 32
p0 48.06 ± 0.05944
60
55
50
45
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

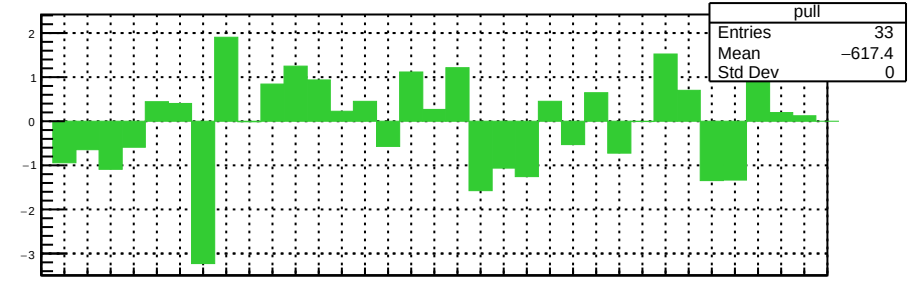

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.02 / 32
p0 −0.05506 ± 0.08406
pull
Entries 33
Mean 27.88
Std Dev 25.19

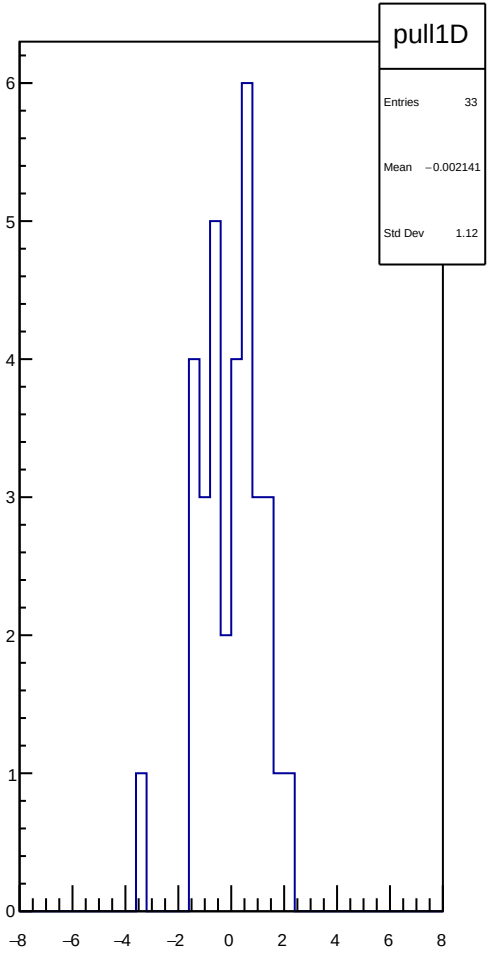

pull1D
Entries 33
Mean 0.009329
Std Dev 0.9048

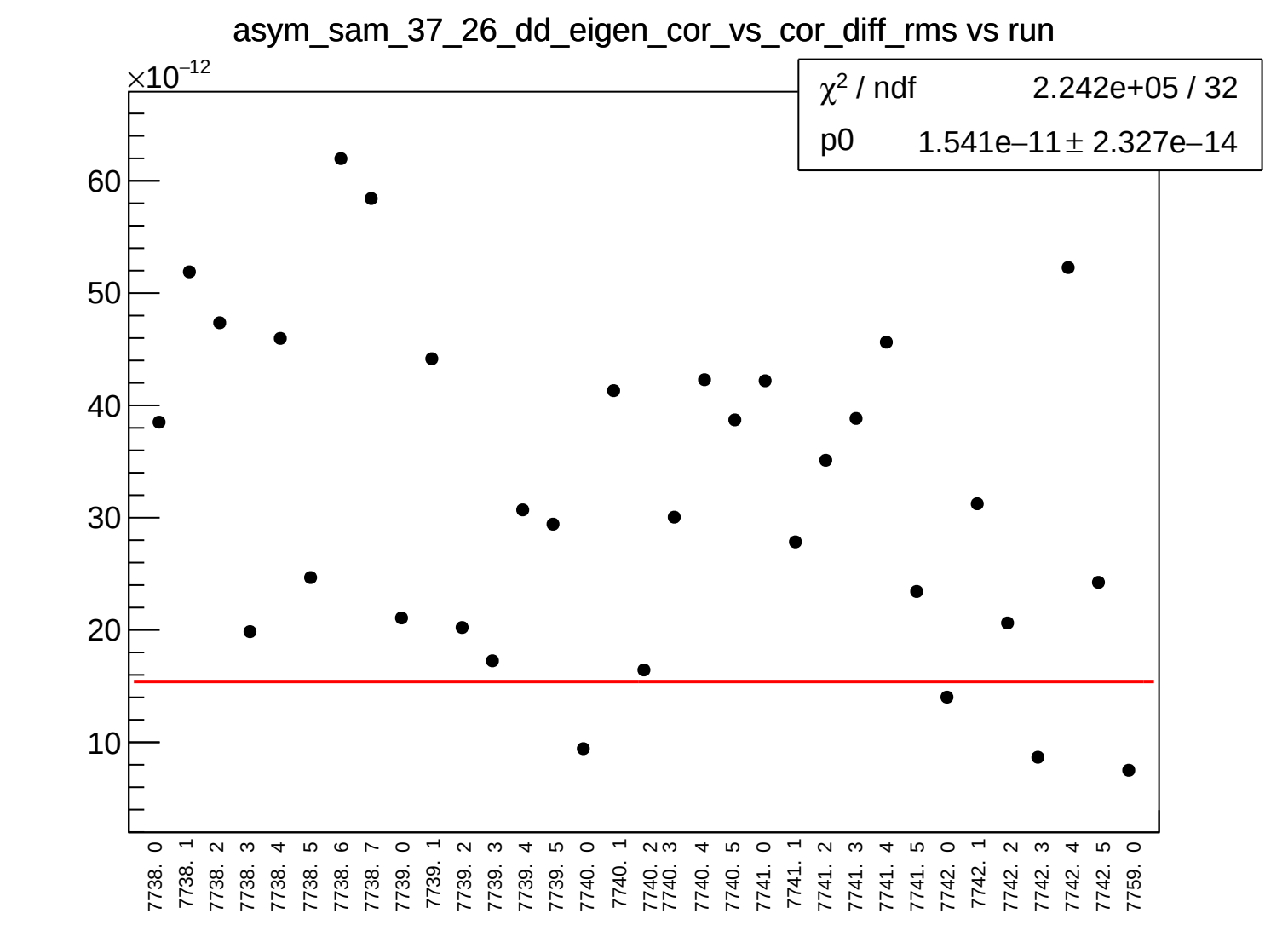

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8994 / 32
p0 48.06 ± 0.05944
60
55
50
45
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

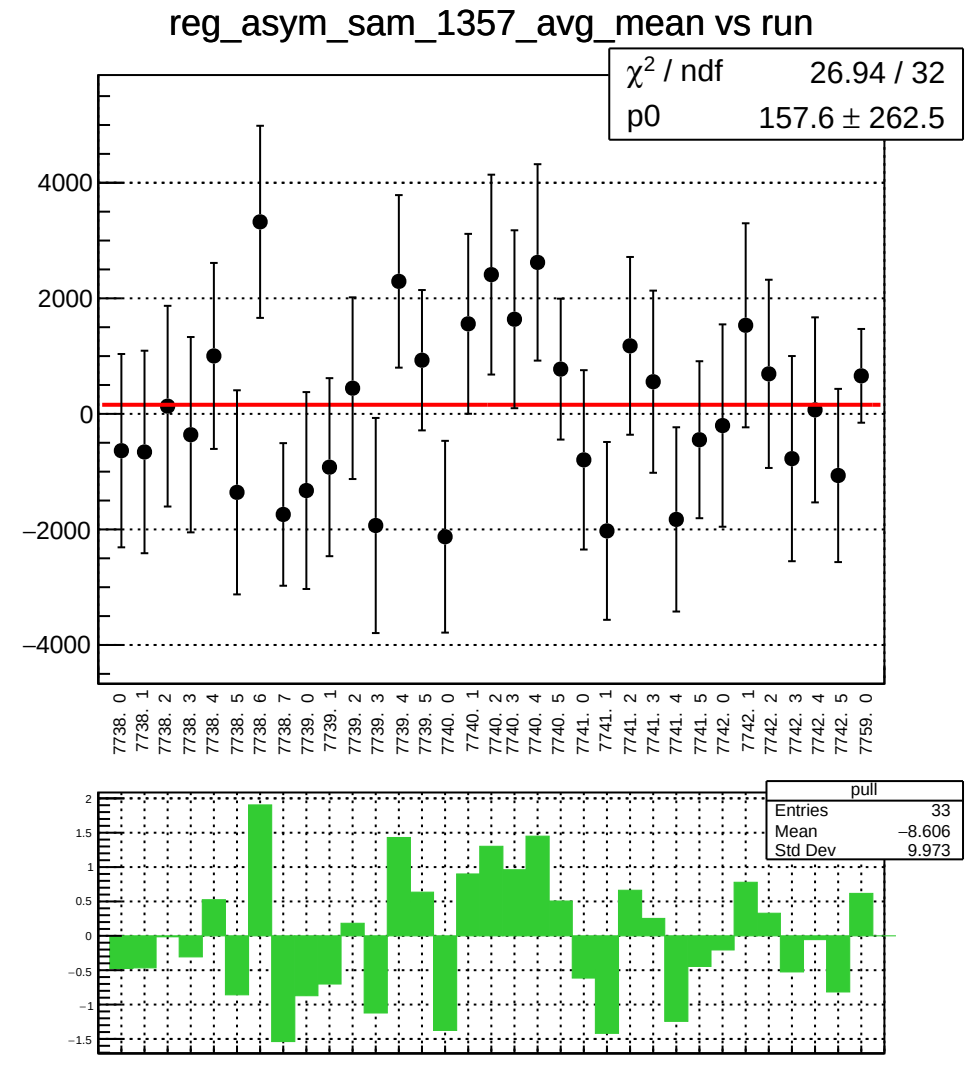
asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run

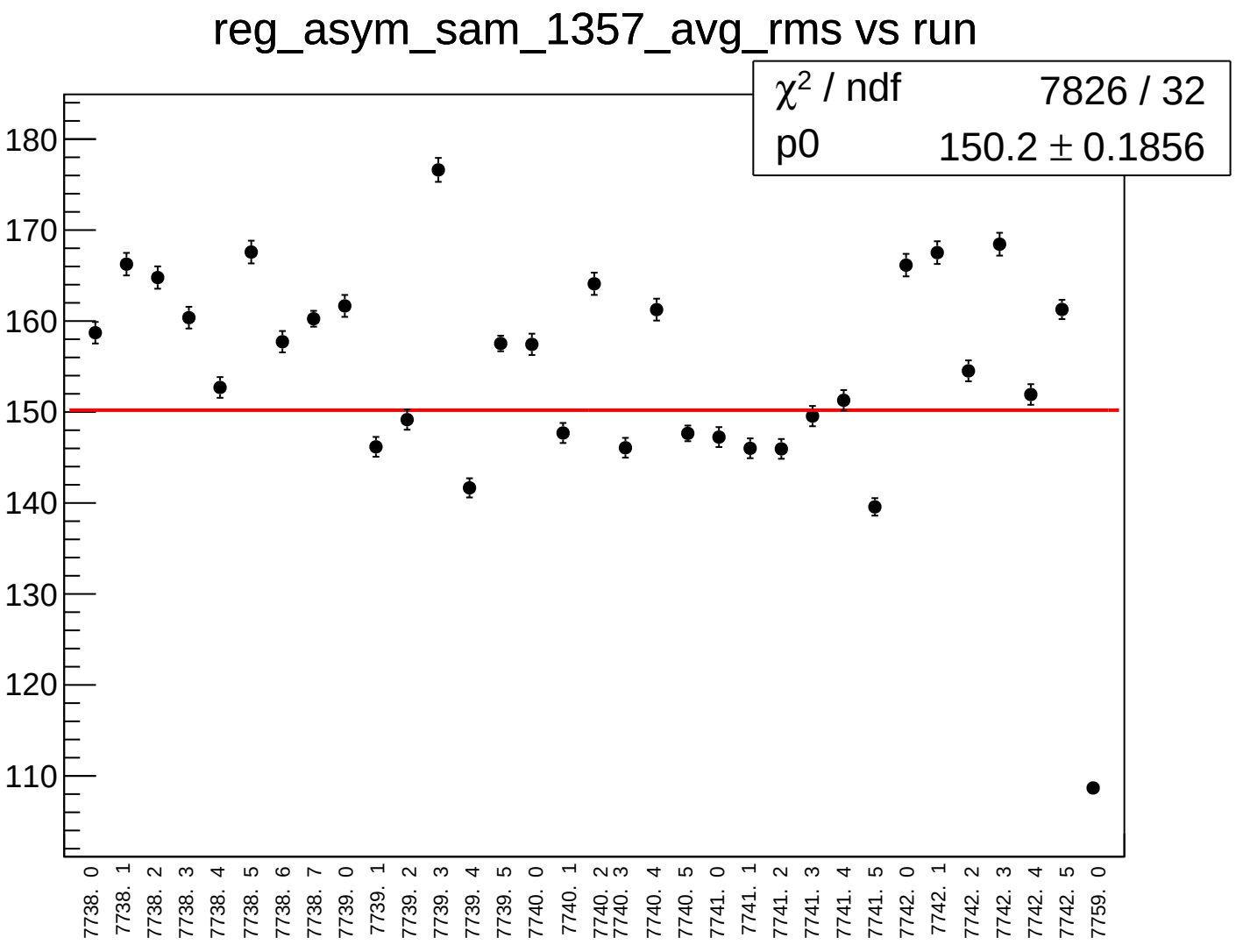


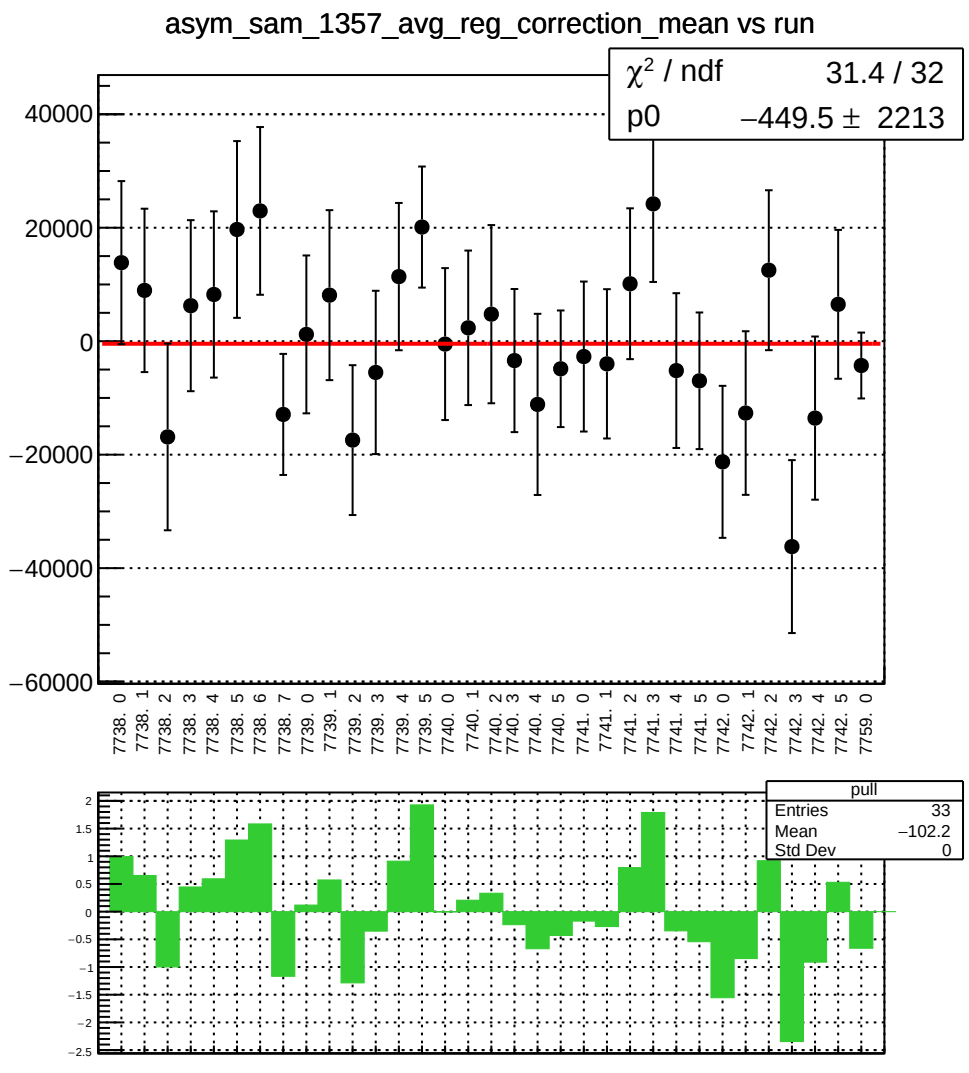


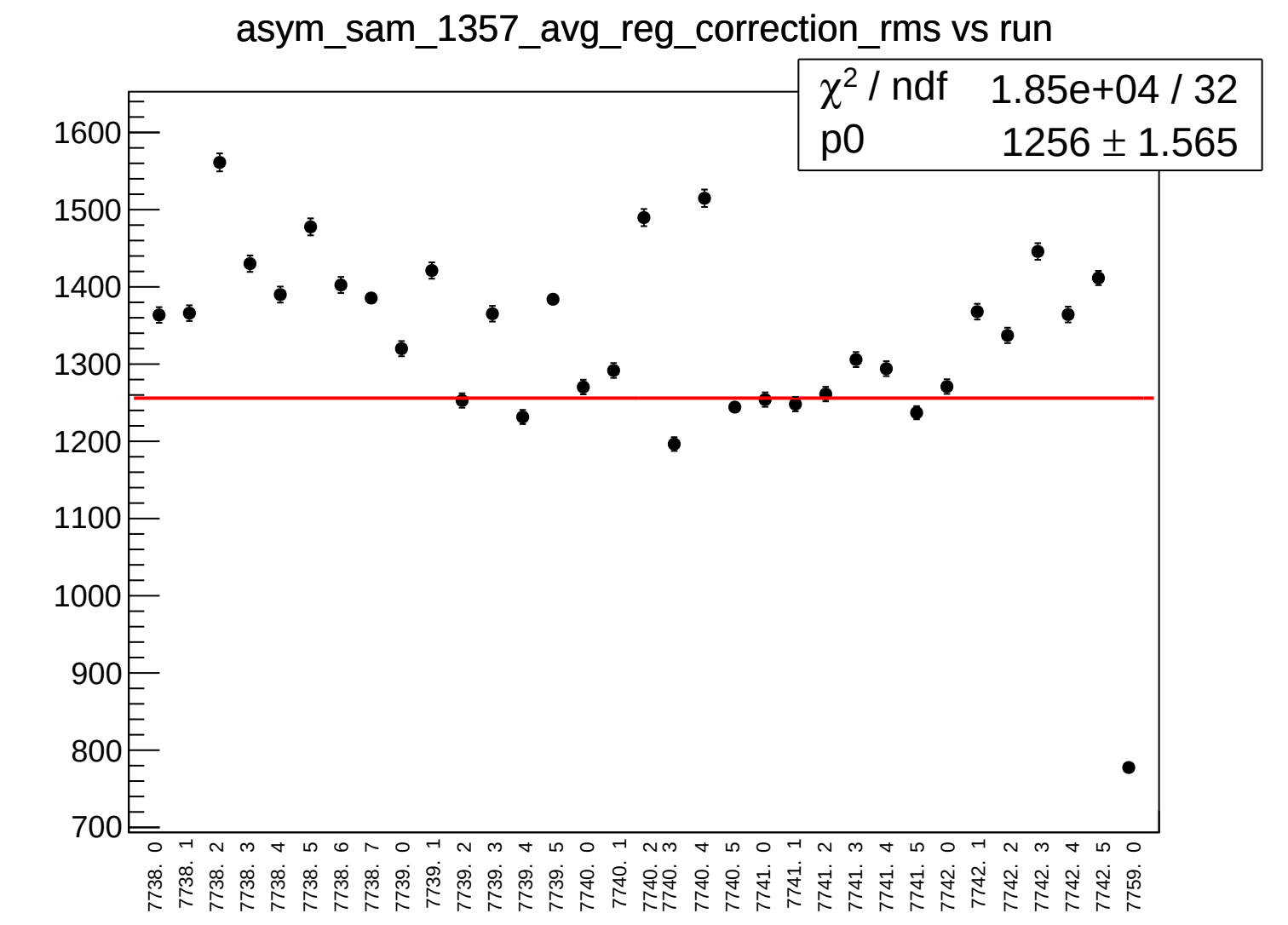


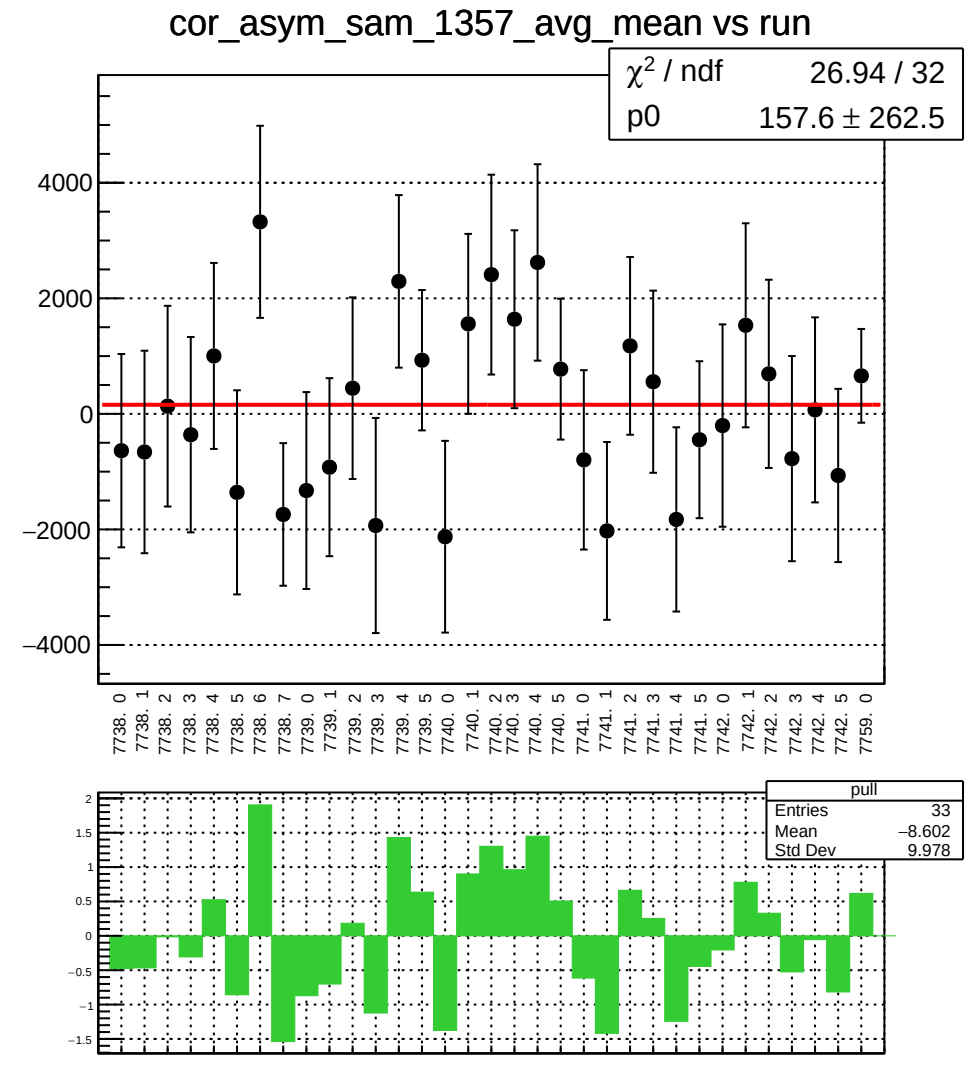

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.242e+05 / 32
p0 1.541e−11 ± 2.327e−14
60
50
40
30
20
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

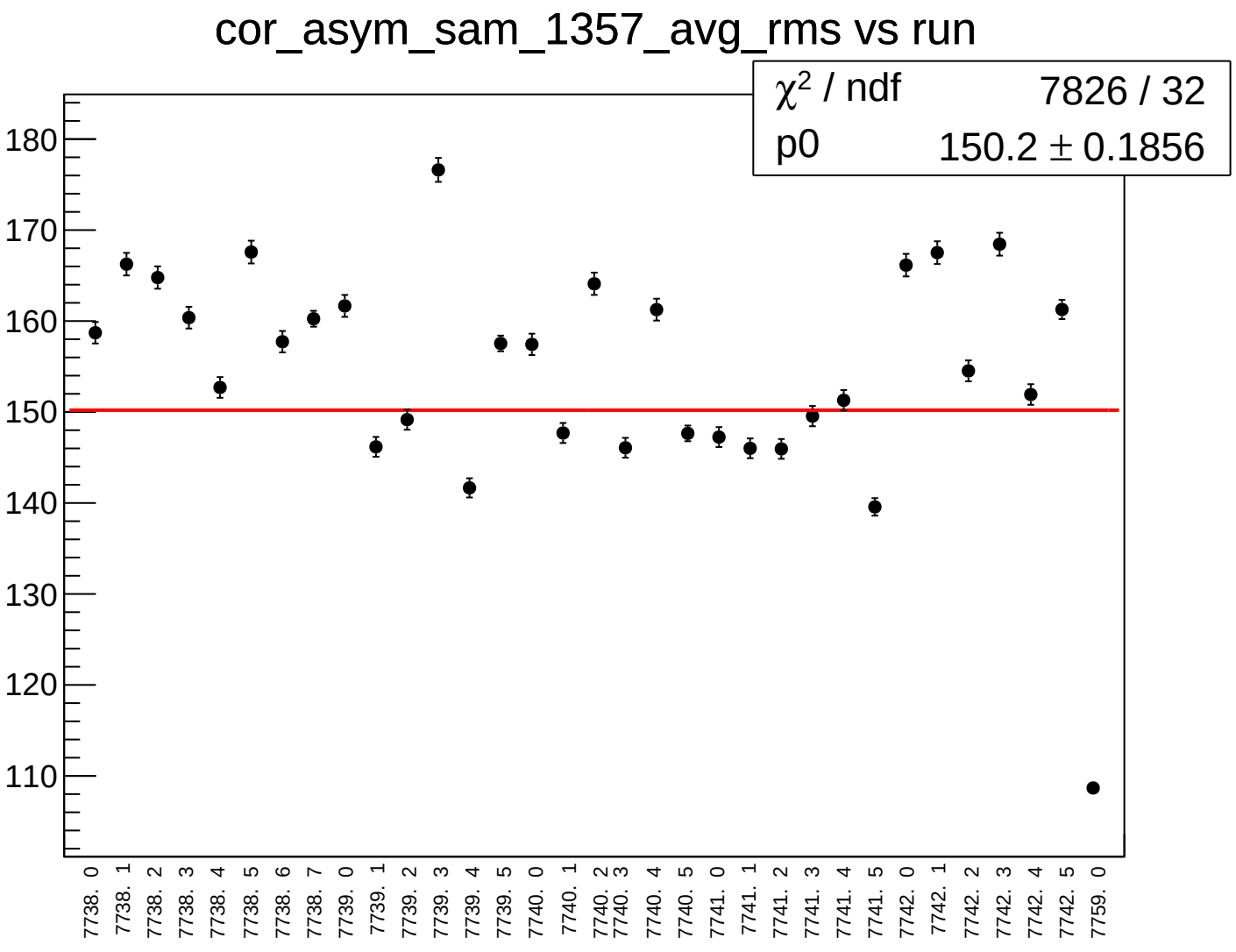

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 26.94 / 32
p0 157.6 ± 262.5
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.606
Std Dev 9.973
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01862
Std Dev 0.9033
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 7826 / 32
p0 150.2 ± 0.1856
180
170
160
150
140
130
120
110
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 31.4 / 32
p0 −449.5 ± 2213
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.02662
Std Dev 0.975
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 1.85e+04 / 32
p0 1256 ± 1.565
1600
1500
1400
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


cor_asym_sam_1357_avg_mean vs run
χ² / ndf 26.94 / 32
p0 157.6 ± 262.5
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.602
Std Dev 9.978
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01862
Std Dev 0.9033
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 7826 / 32
p0 150.2 ± 0.1856
180
170
160
150
140
130
120
110
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
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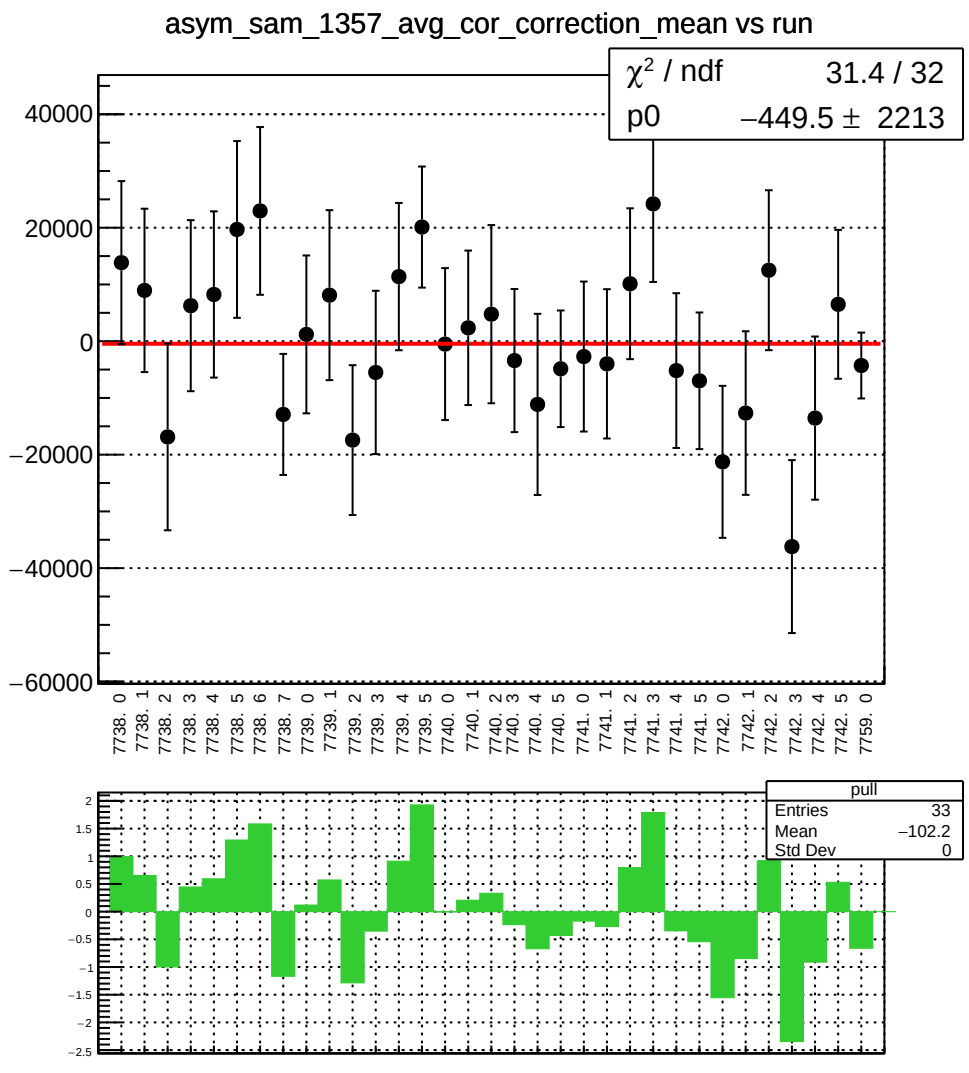
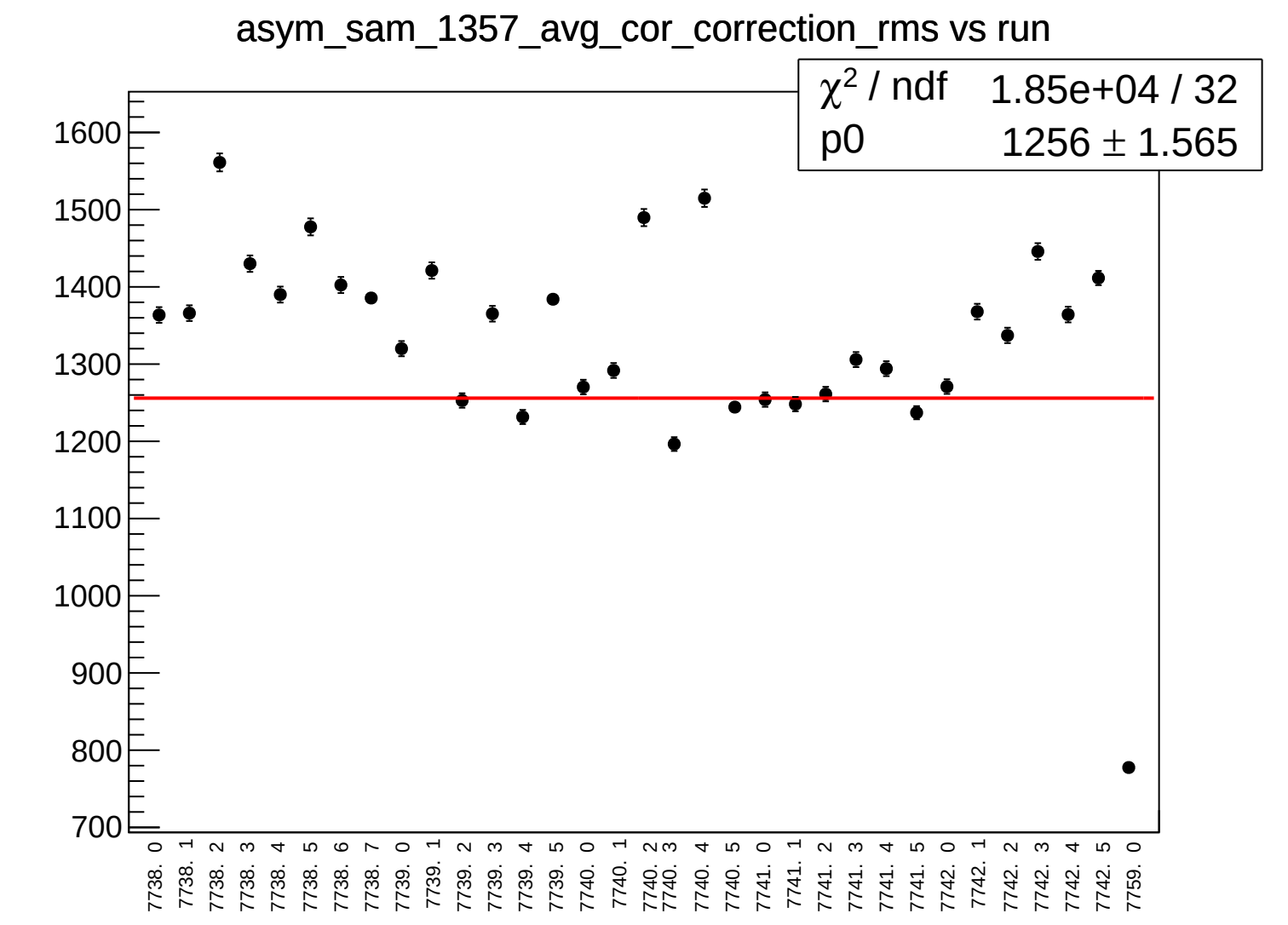
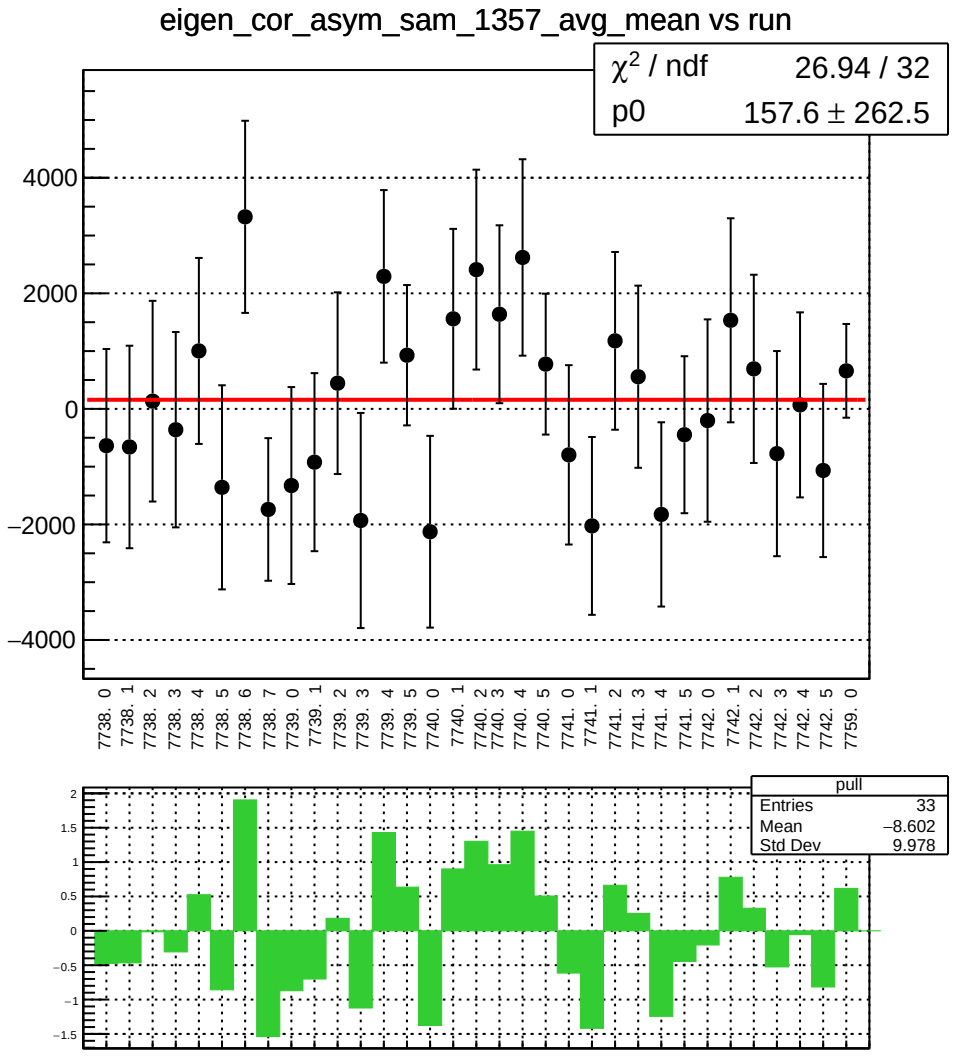
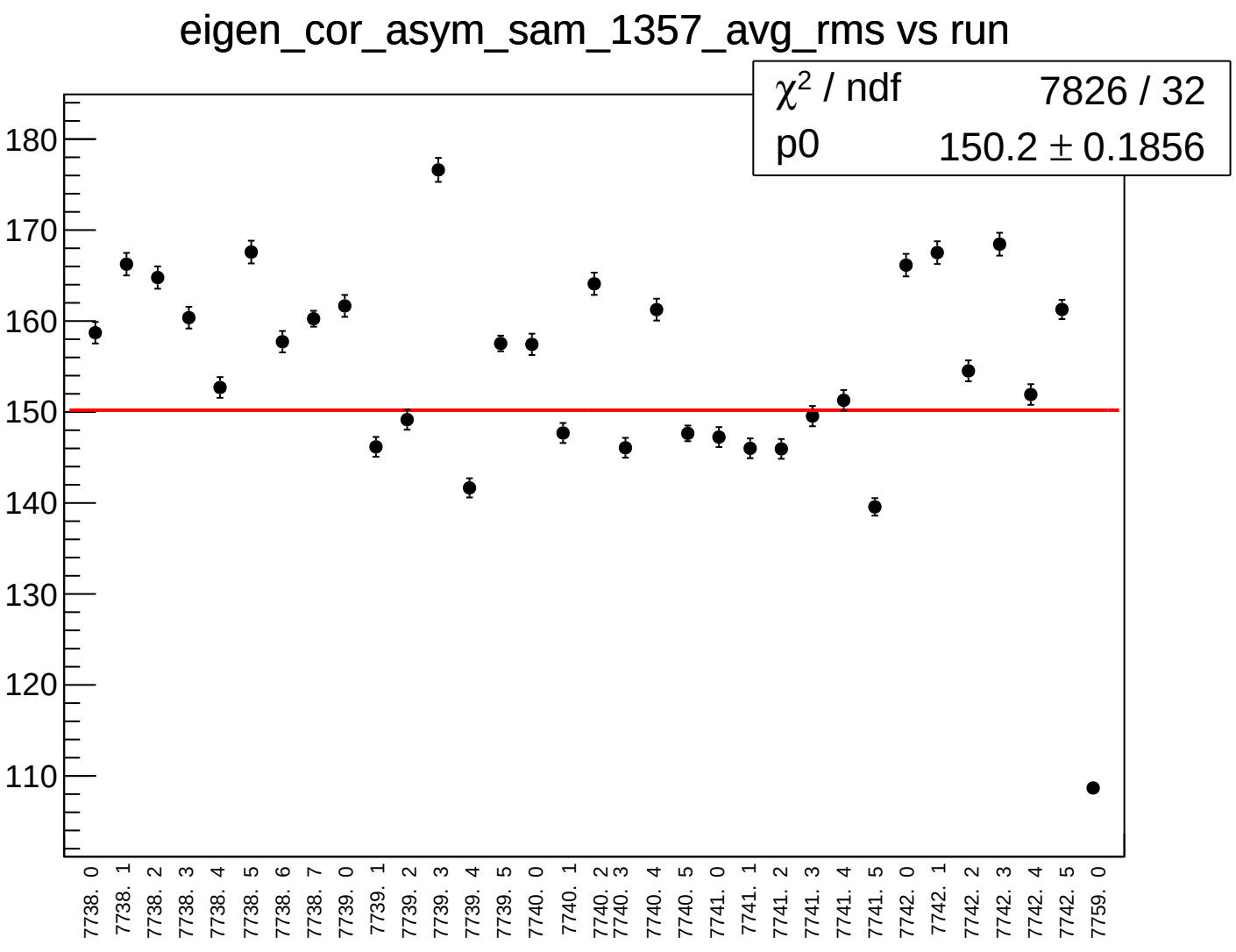
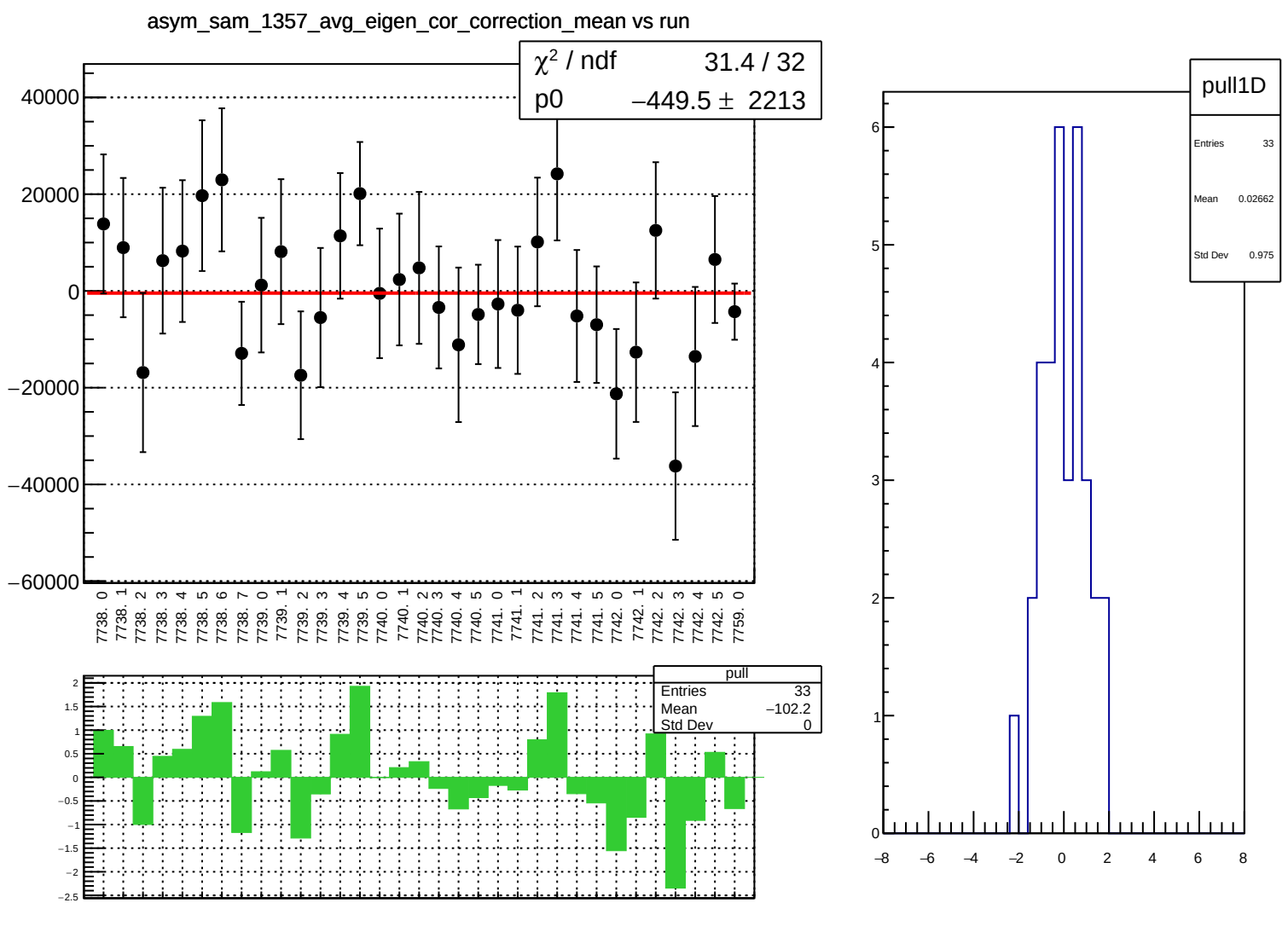
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 31.4 / 32
p0 −449.5 ± 2213
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.02662
Std Dev 0.975
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 1.85e+04 / 32
p0 1256 ± 1.565
1600
1500
1400
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 26.94 / 32
p0 157.6 ± 262.5
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.602
Std Dev 9.978
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01862
Std Dev 0.9033
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 7826 / 32
p0 150.2 ± 0.1856
180
170
160
150
140
130
120
110
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 31.4 / 32
p0 −449.5 ± 2213
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −102.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.02662
Std Dev 0.975
6
5
4
3
2
1
0
−8
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−4
−2
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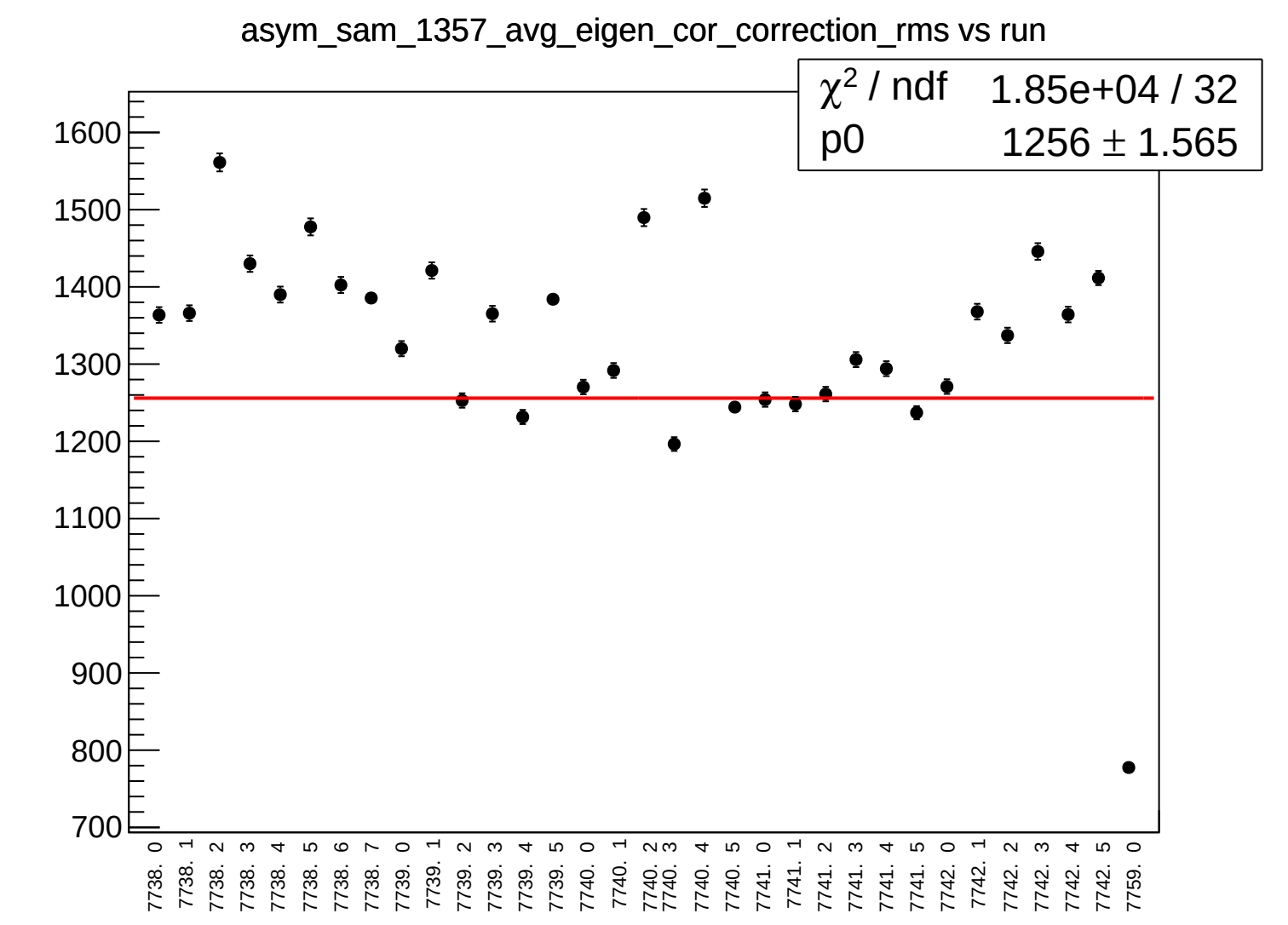
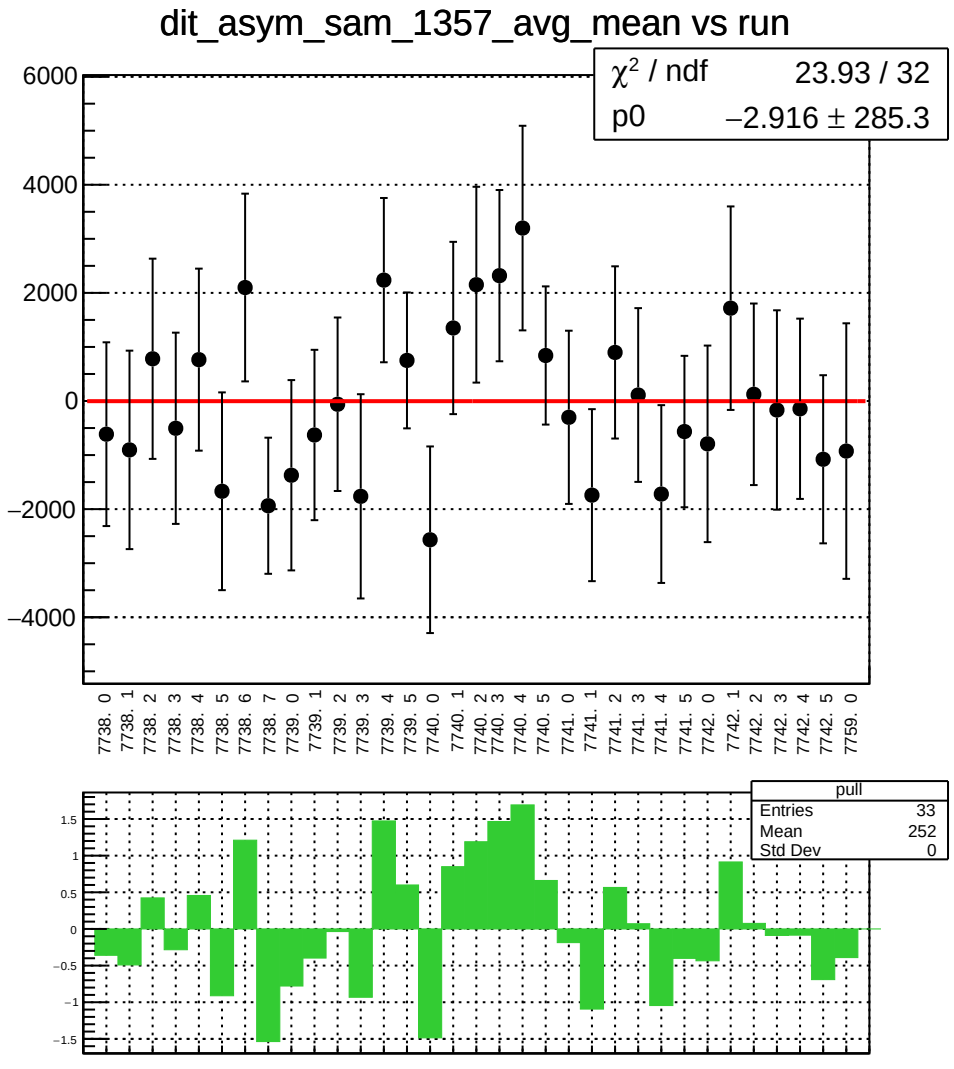
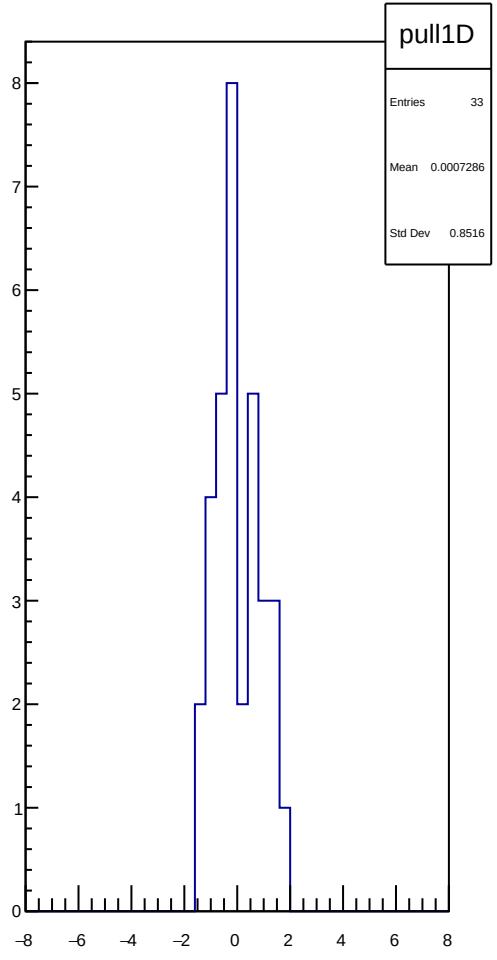
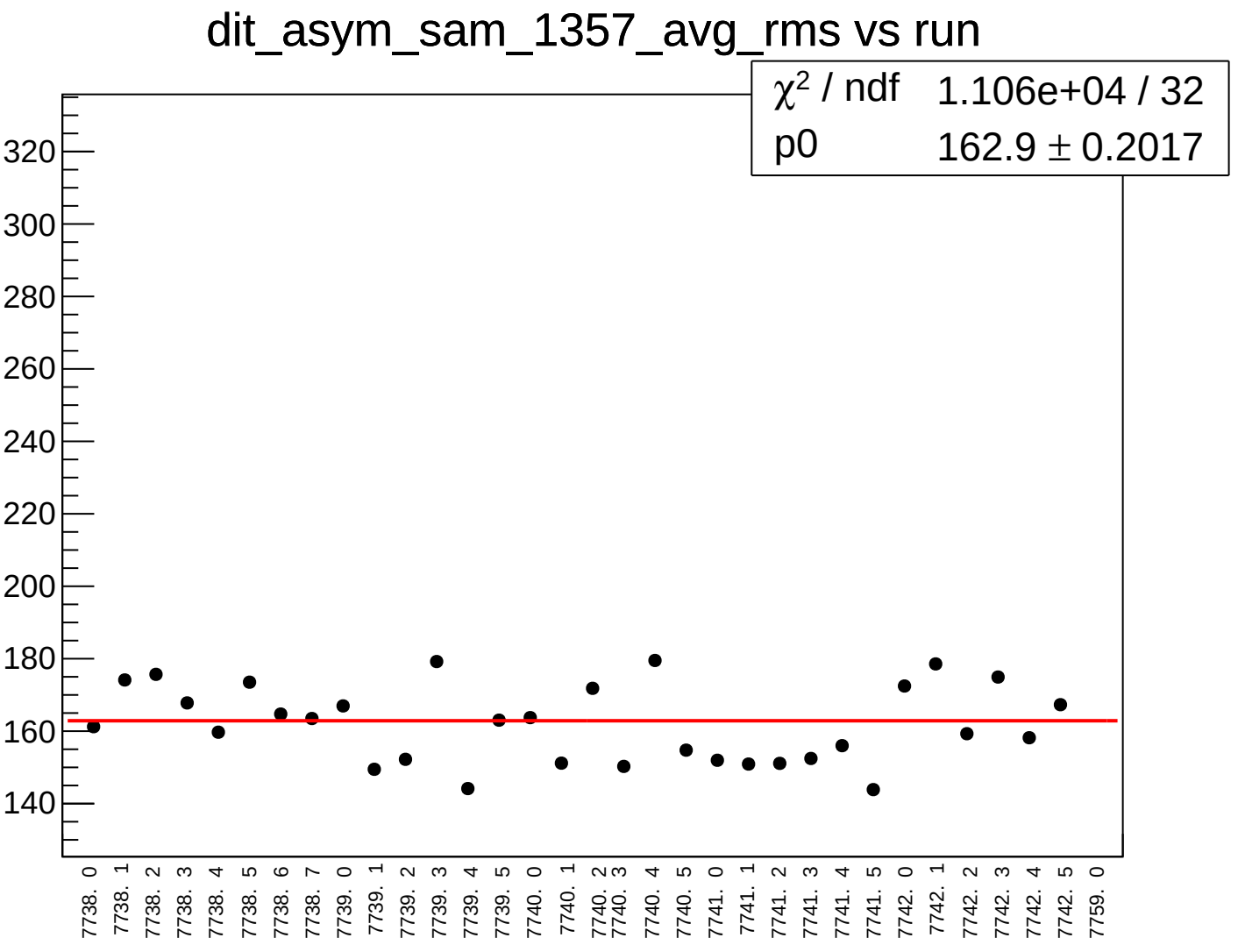
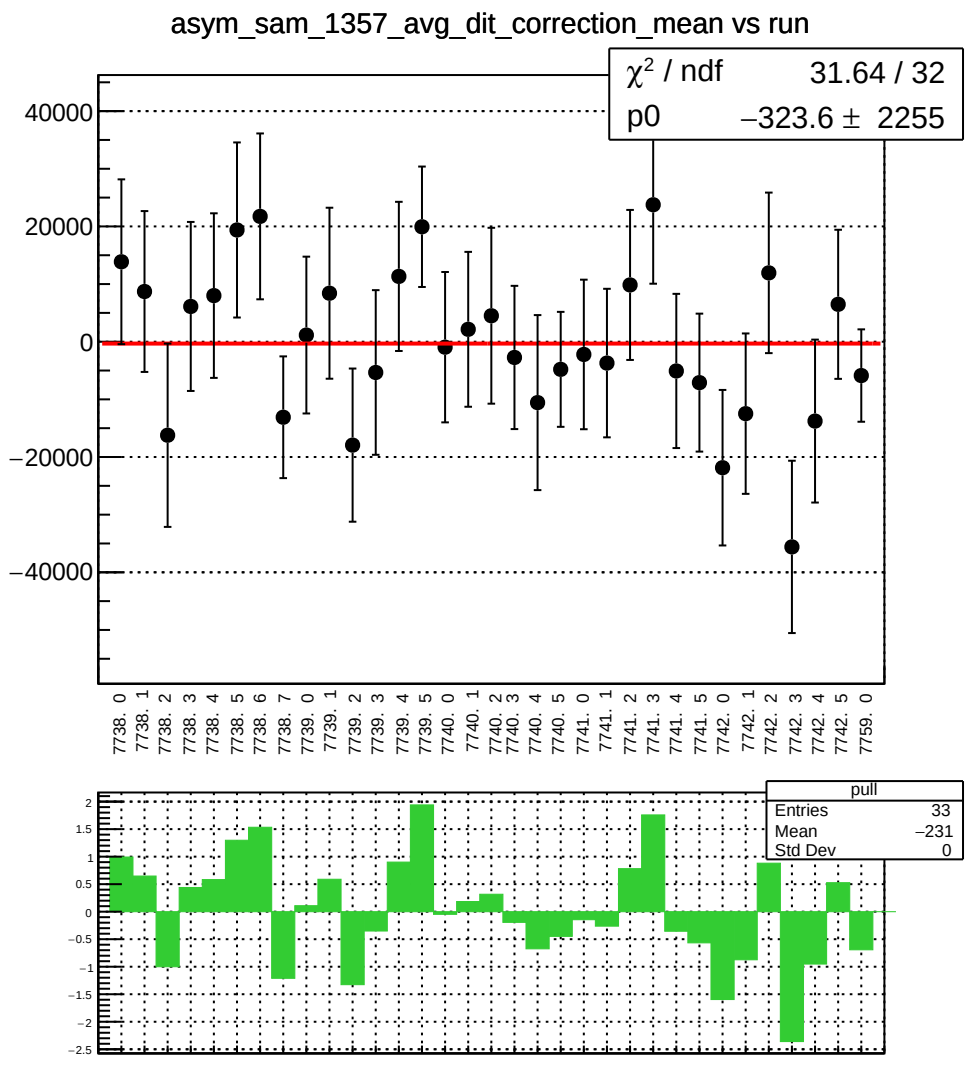
2
4
6
8

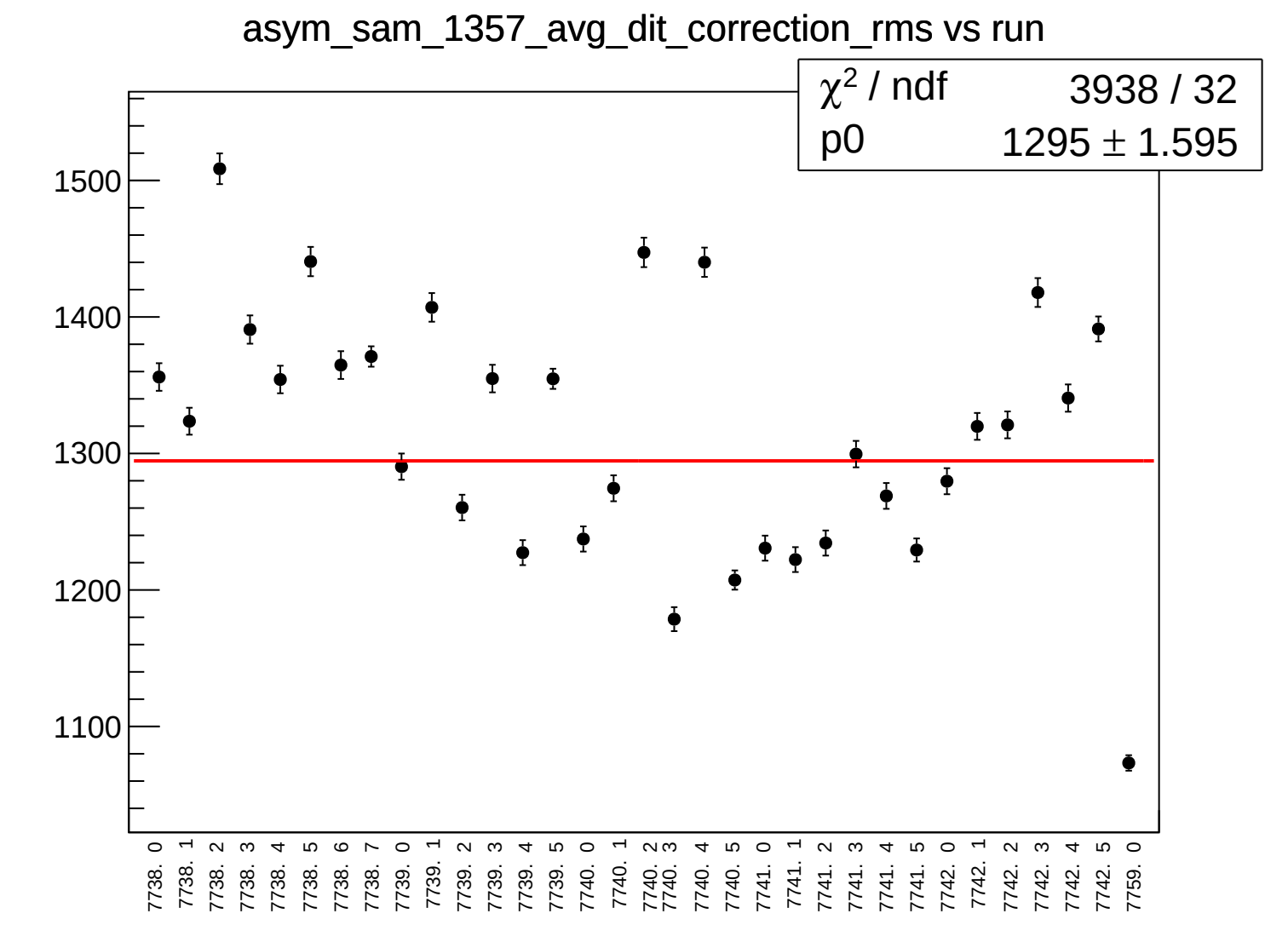

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.85e+04 / 32
p0 1256 ± 1.565
1600
1500
1400
1300
1200
1100
1000
900
800
700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


dit_asym_sam_1357_avg_mean vs run
χ² / ndf 23.93 / 32
p0 −2.916 ± 285.3
6000
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 252
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 33
Mean 0.0007286
Std Dev 0.8516
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.106e+04 / 32
p0 162.9 ± 0.2017
320
300
280
260
240
220
200
180
160
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 31.64 / 32
p0 −323.6 ± 2255
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −231
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01294
Std Dev 0.9791
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 3938 / 32
p0 1295 ± 1.595
1500
1400
1300
1200
1100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
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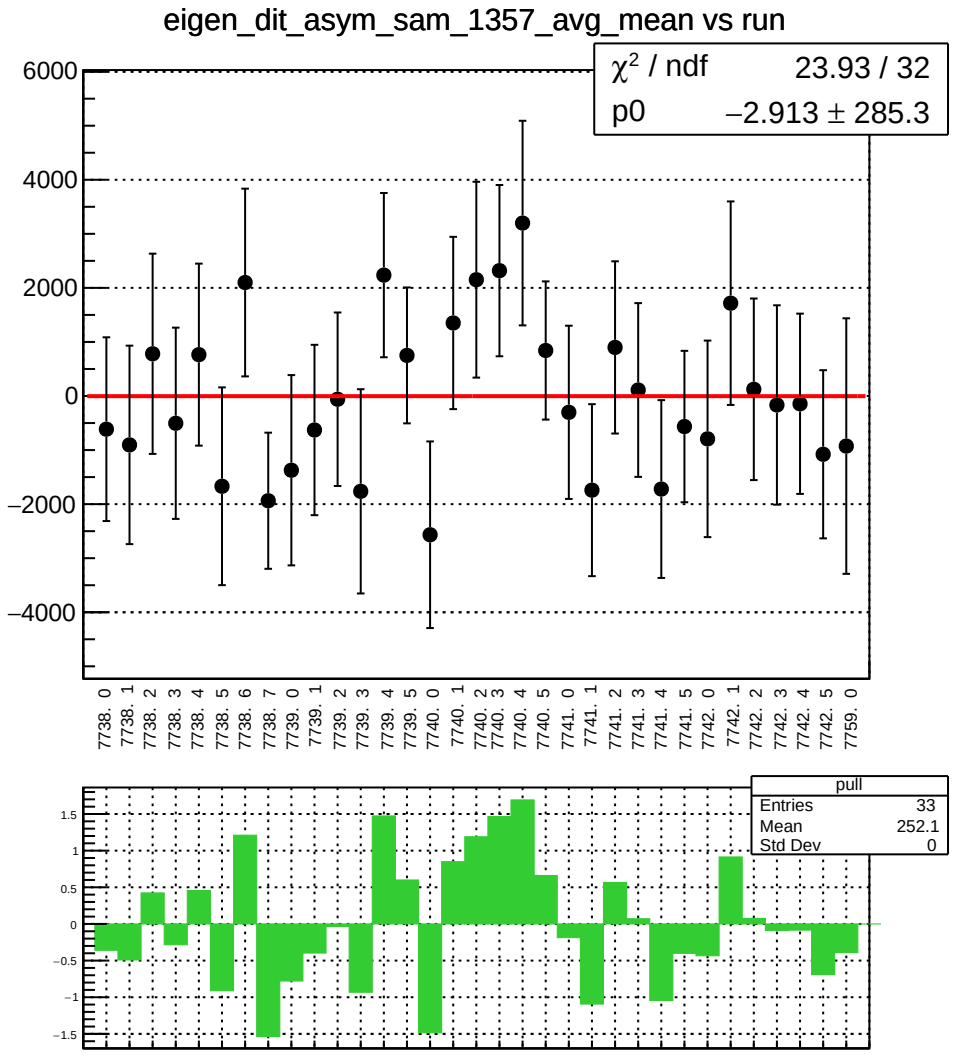
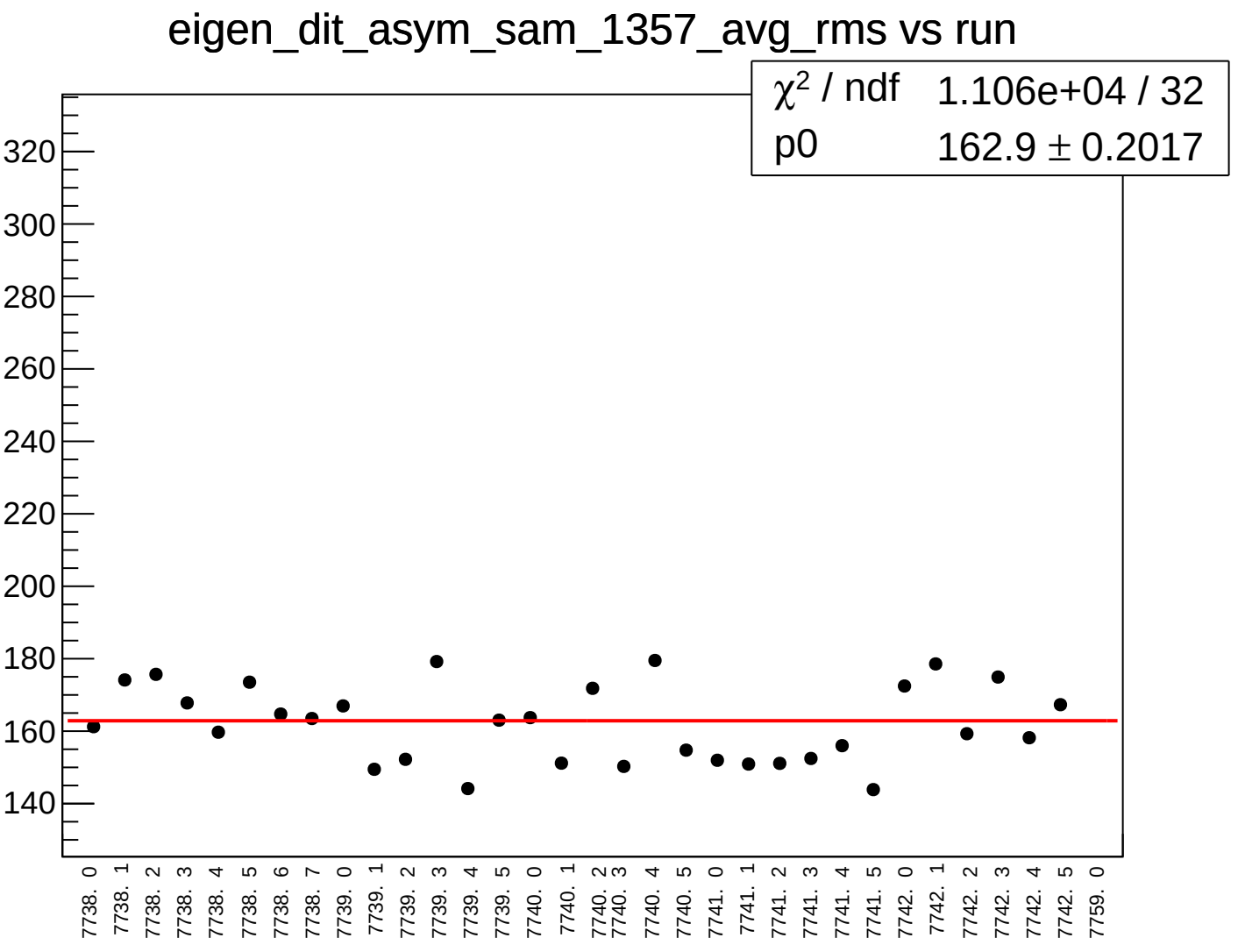
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 23.93 / 32
p0 −2.913 ± 285.3
6000
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 252.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.0007283
Std Dev 0.8516
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.106e+04 / 32
p0 162.9 ± 0.2017
320
300
280
260
240
220
200
180
160
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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7739. 2
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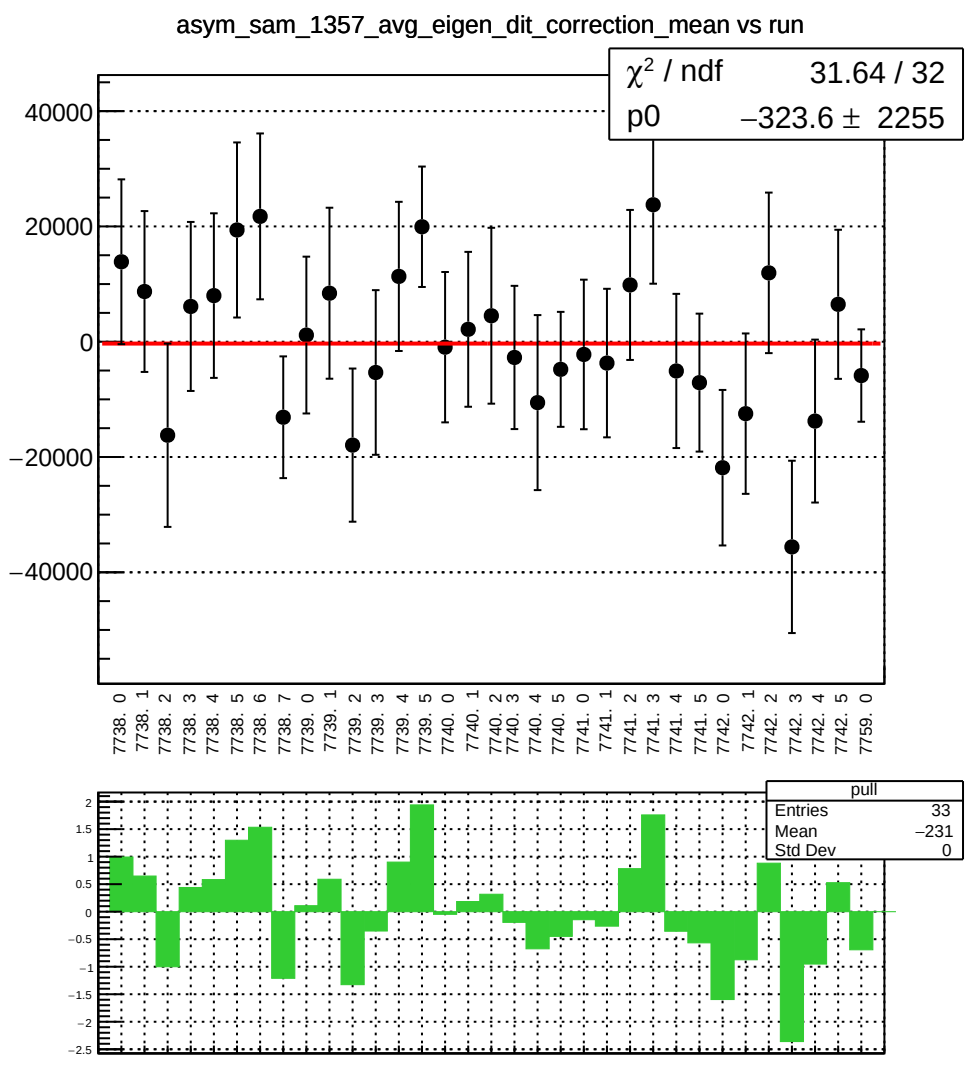
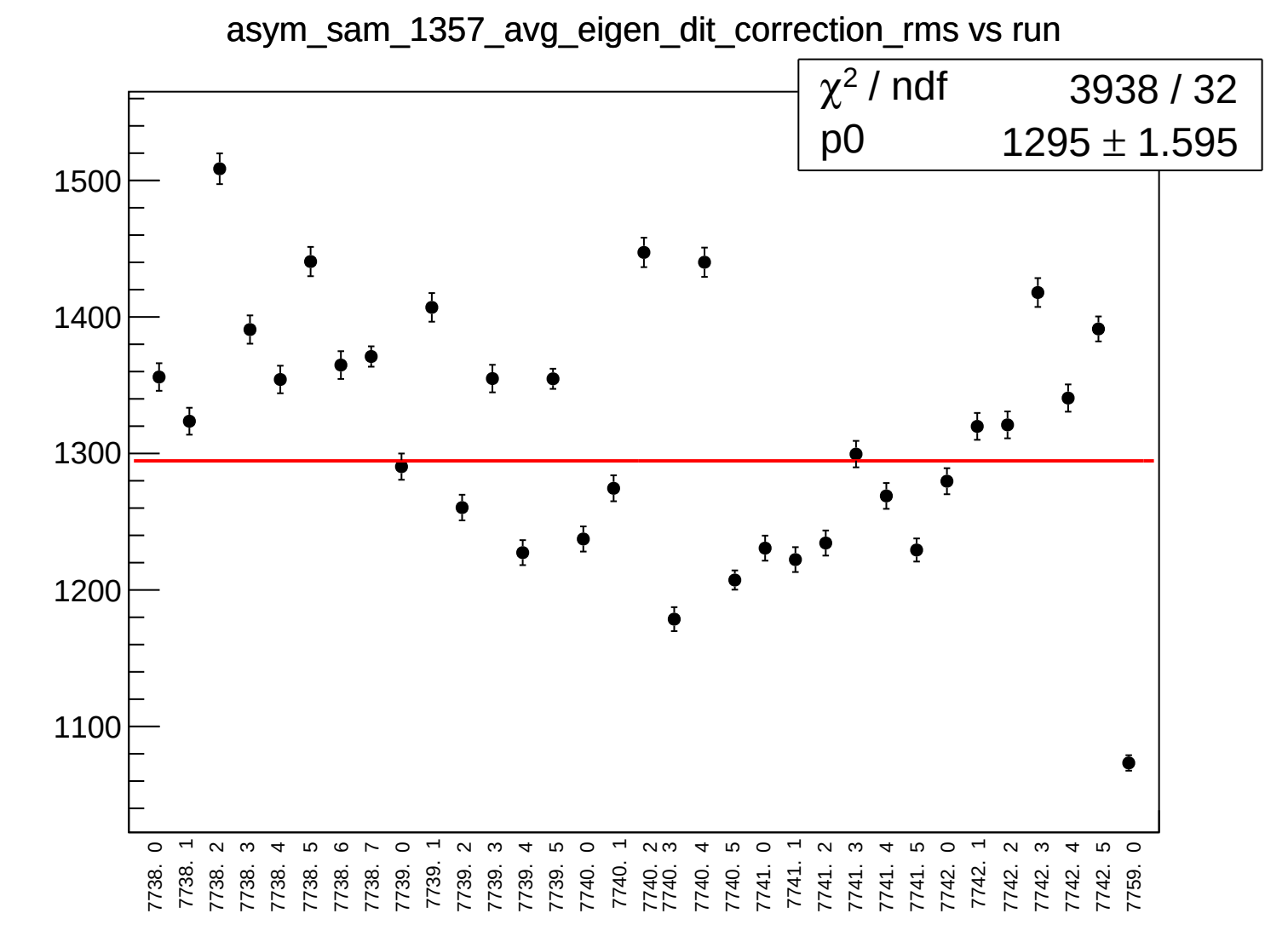
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0


asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.64 / 32
p0 −323.6 ± 2255
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −231
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01294
Std Dev 0.9791
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 3938 / 32
p0 1295 ± 1.595
1500
1400
1300
1200
1100
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
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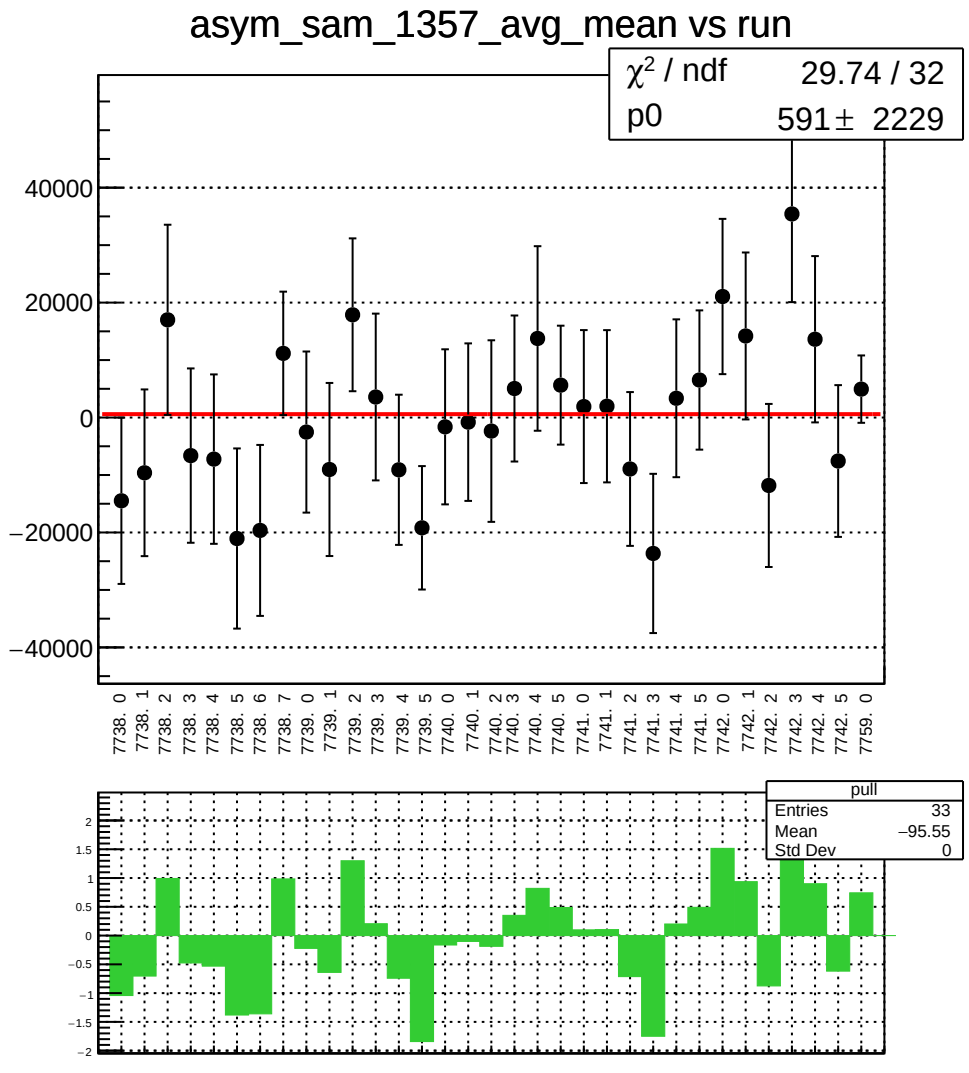
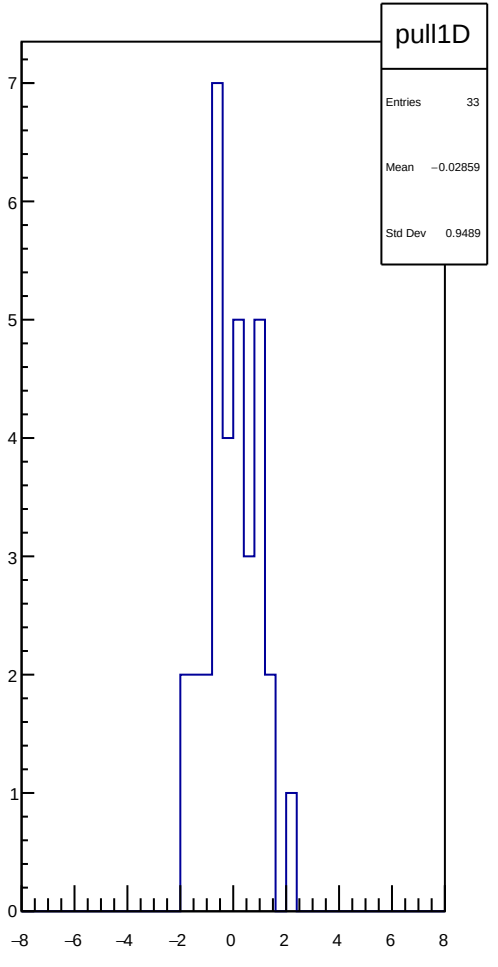
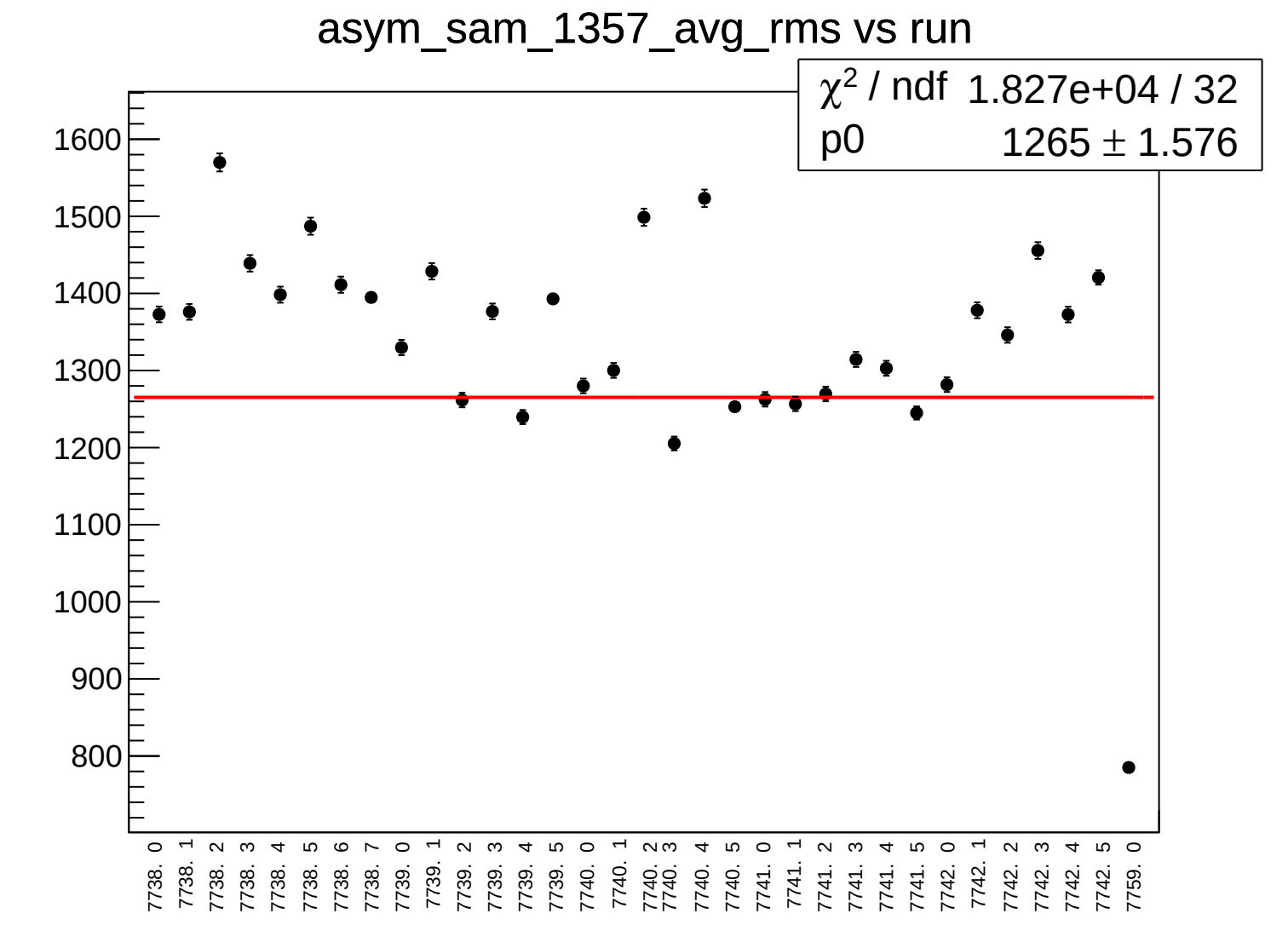
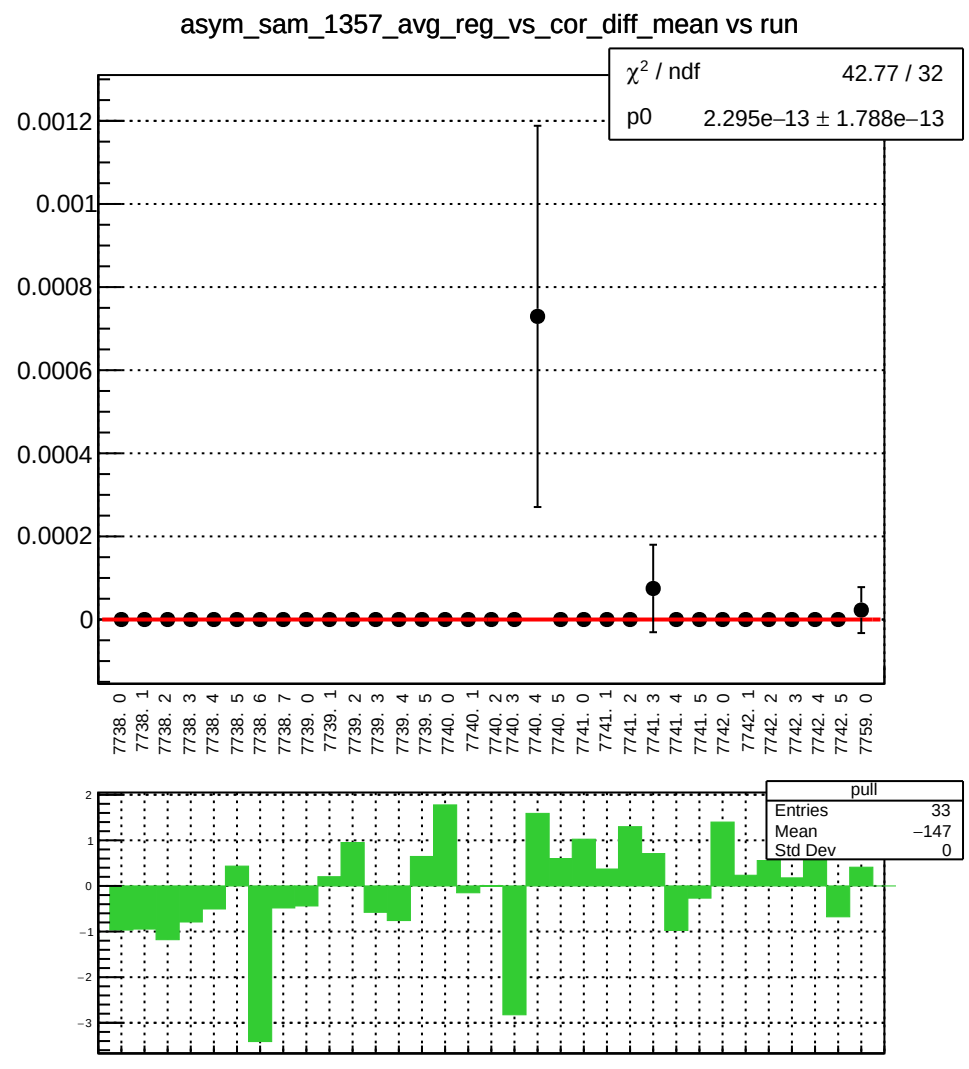
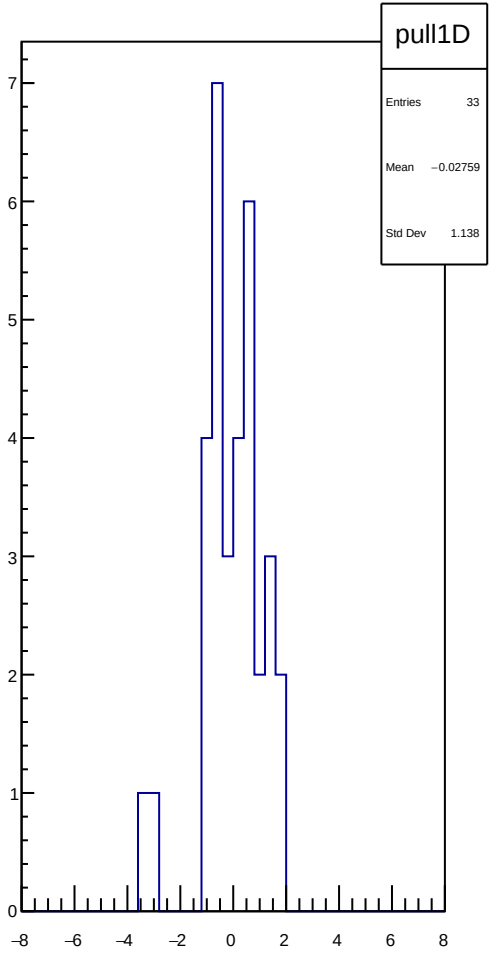
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

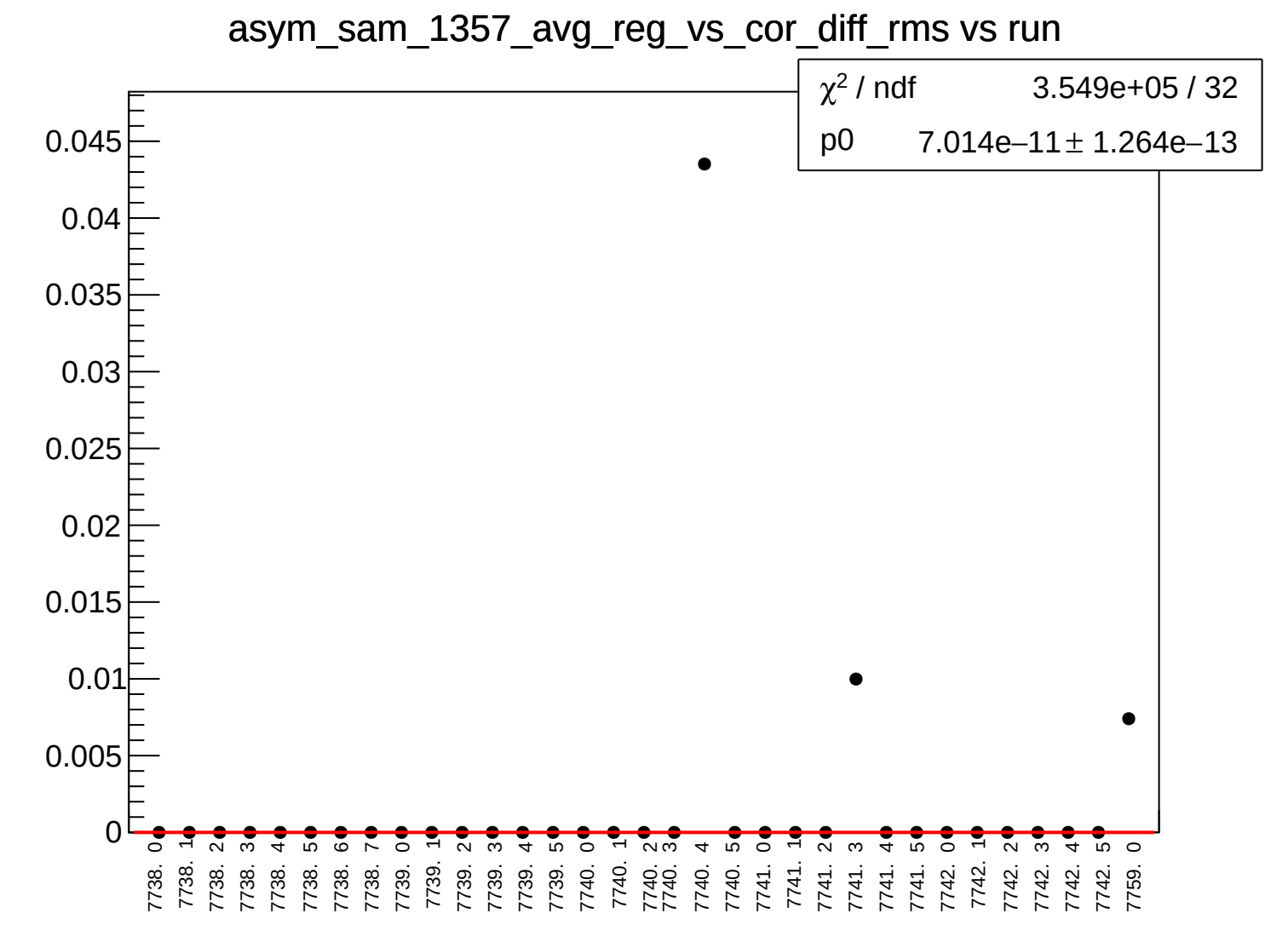

asym_sam_1357_avg_mean vs run
χ² / ndf 29.74 / 32
p0 591 ± 2229
40000
20000
0
−20000
−40000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −95.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

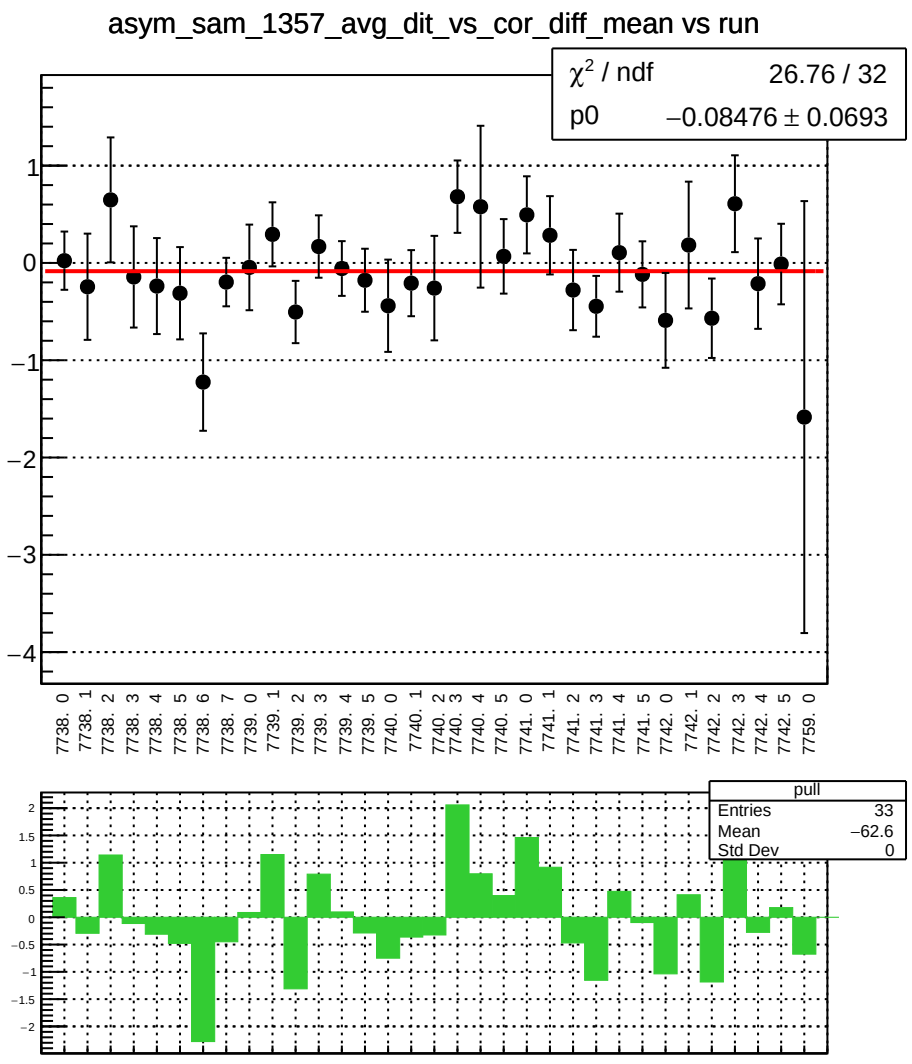

pull1D
Entries 33
Mean −0.02859
Std Dev 0.9489
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

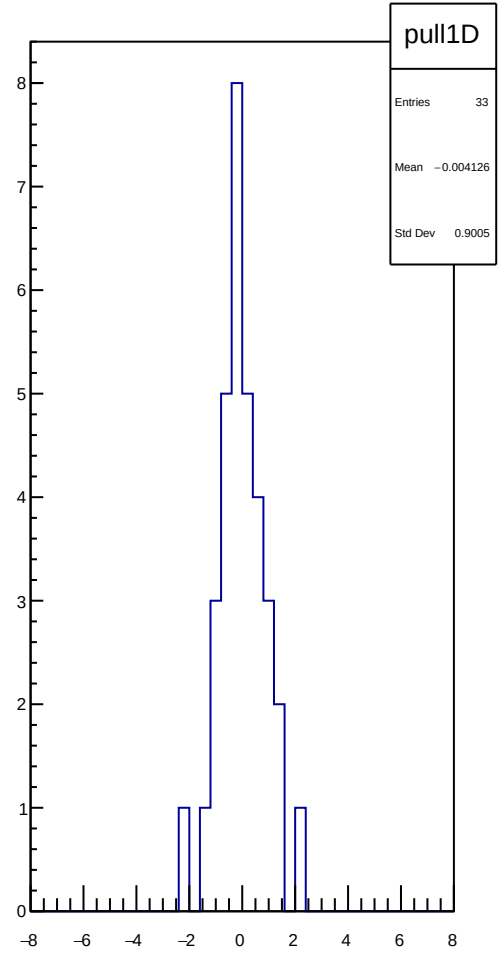

asym_sam_1357_avg_rms vs run
χ² / ndf 1.827e+04 / 32
p0 1265 ± 1.576
1600
1500
1400
1300
1200
1100
1000
900
800
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

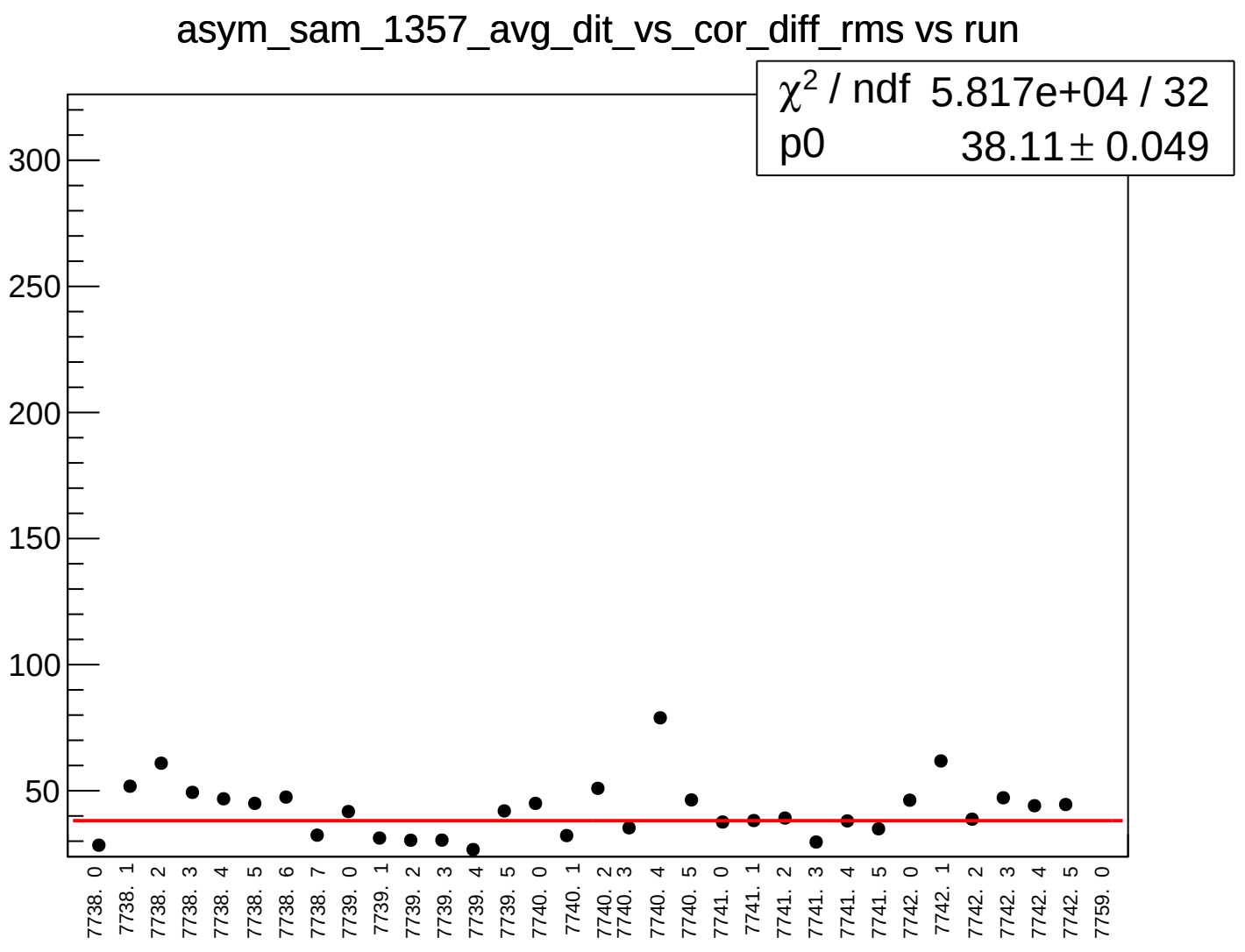

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.77 / 32
p0 2.295e−13 ± 1.788e−13
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −147
Std Dev 0
2
1
0
−1
−2
−3

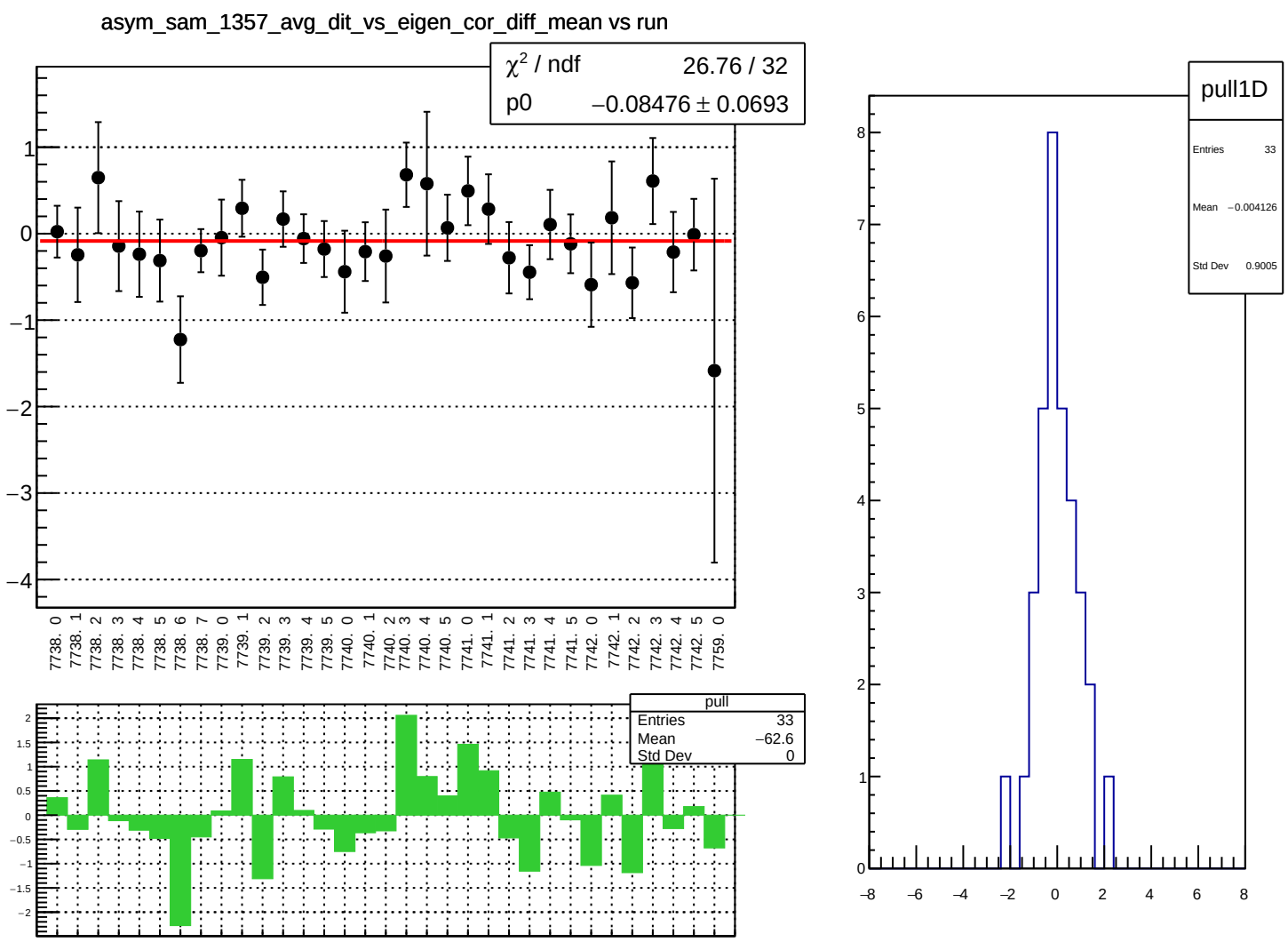

pull1D
Entries 33
Mean −0.02759
Std Dev 1.138
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

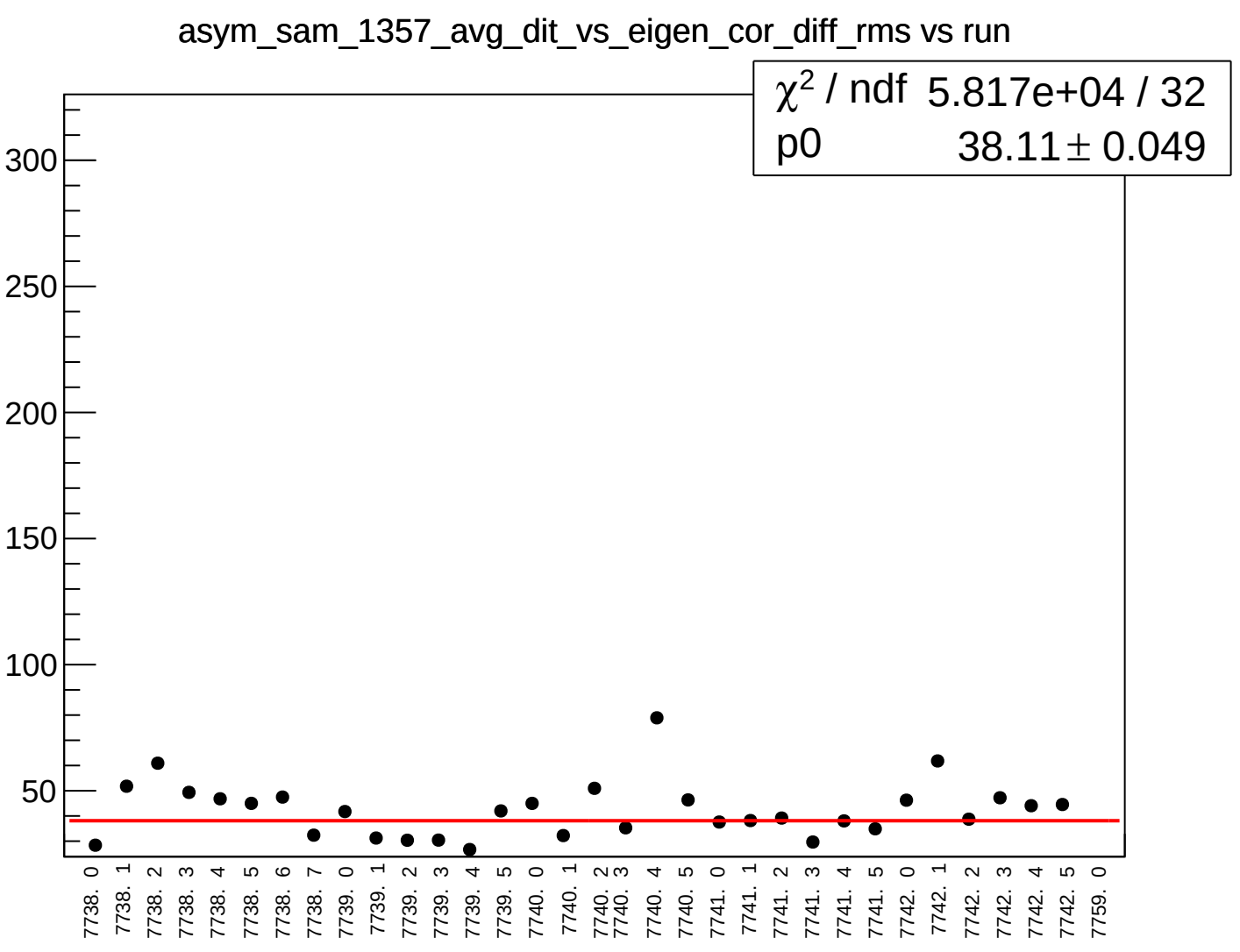

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.549e+05 / 32
p0 7.014e−11 ± 1.264e−13
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

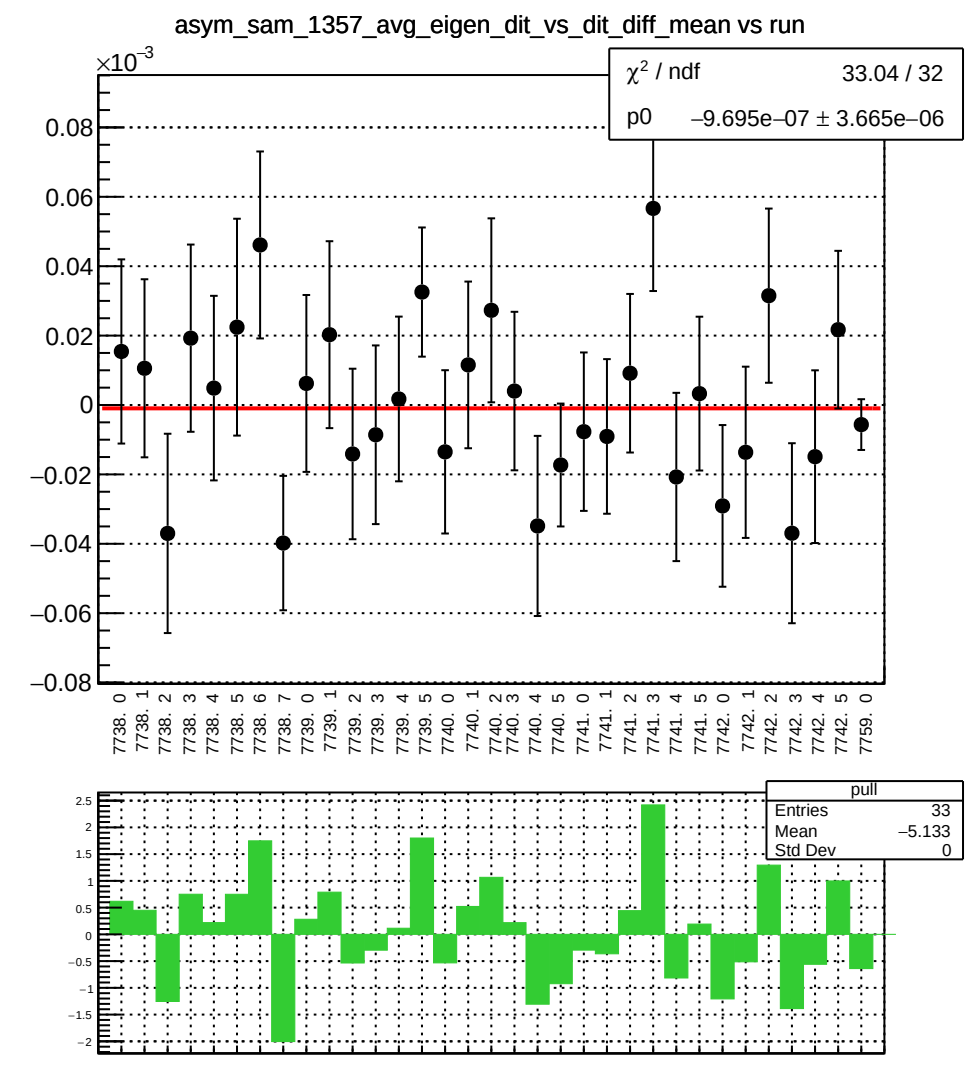

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 26.76 / 32
p0 −0.08476 ± 0.0693
1
0
−1
−2
−3
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −62.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

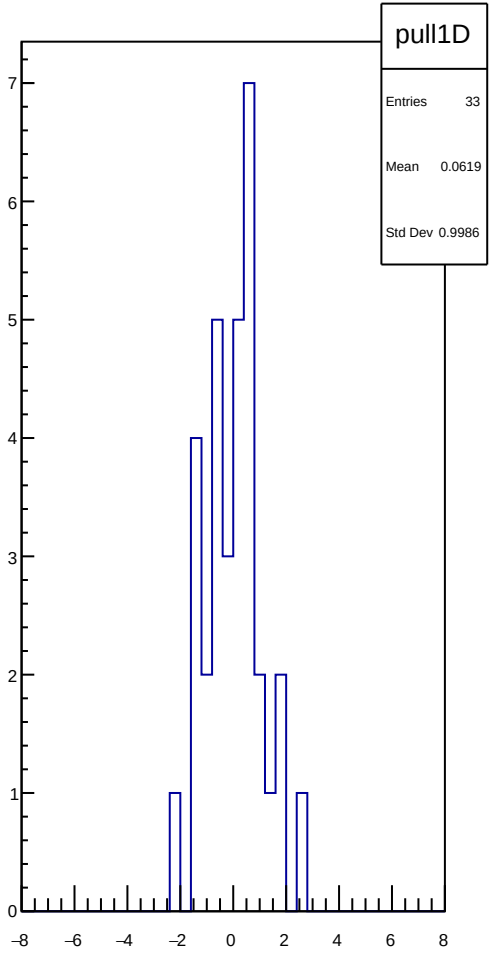

pull1D
Entries 33
Mean −0.004126
Std Dev 0.9005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

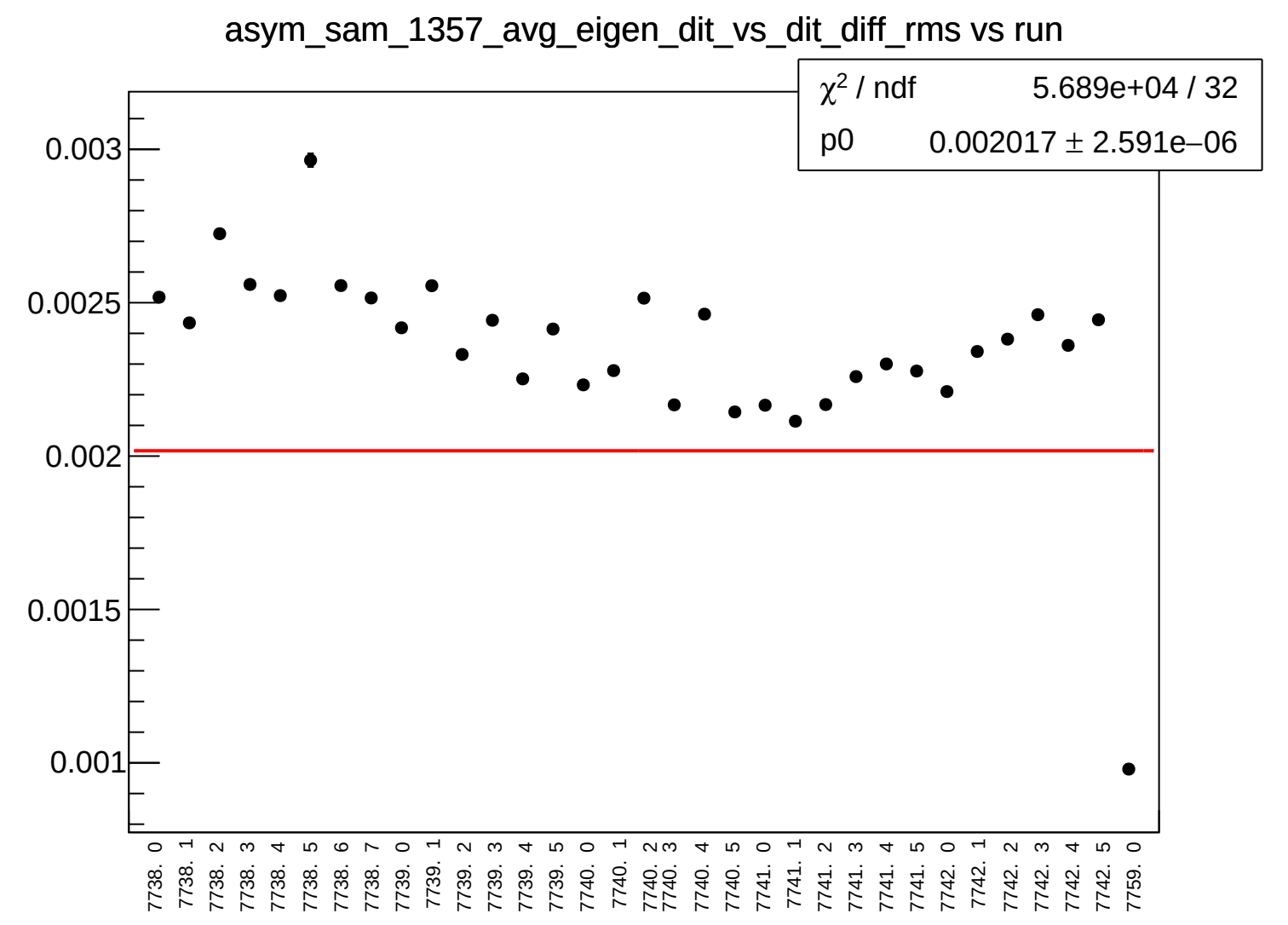

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.817e+04 / 32
p0 38.11 ± 0.049
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

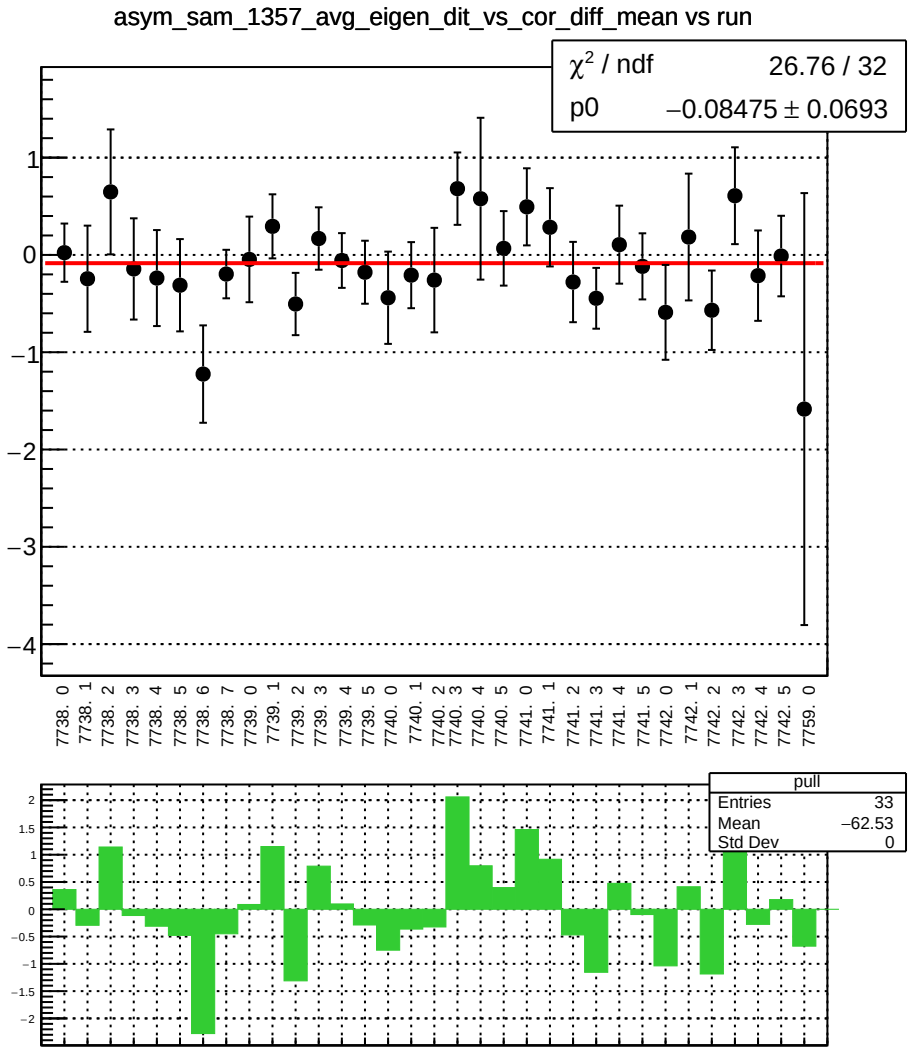

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 26.76 / 32
p0 −0.08476 ± 0.0693
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −62.6
Std Dev 0
pull1D
Entries 33
Mean −0.004126
Std Dev 0.9005

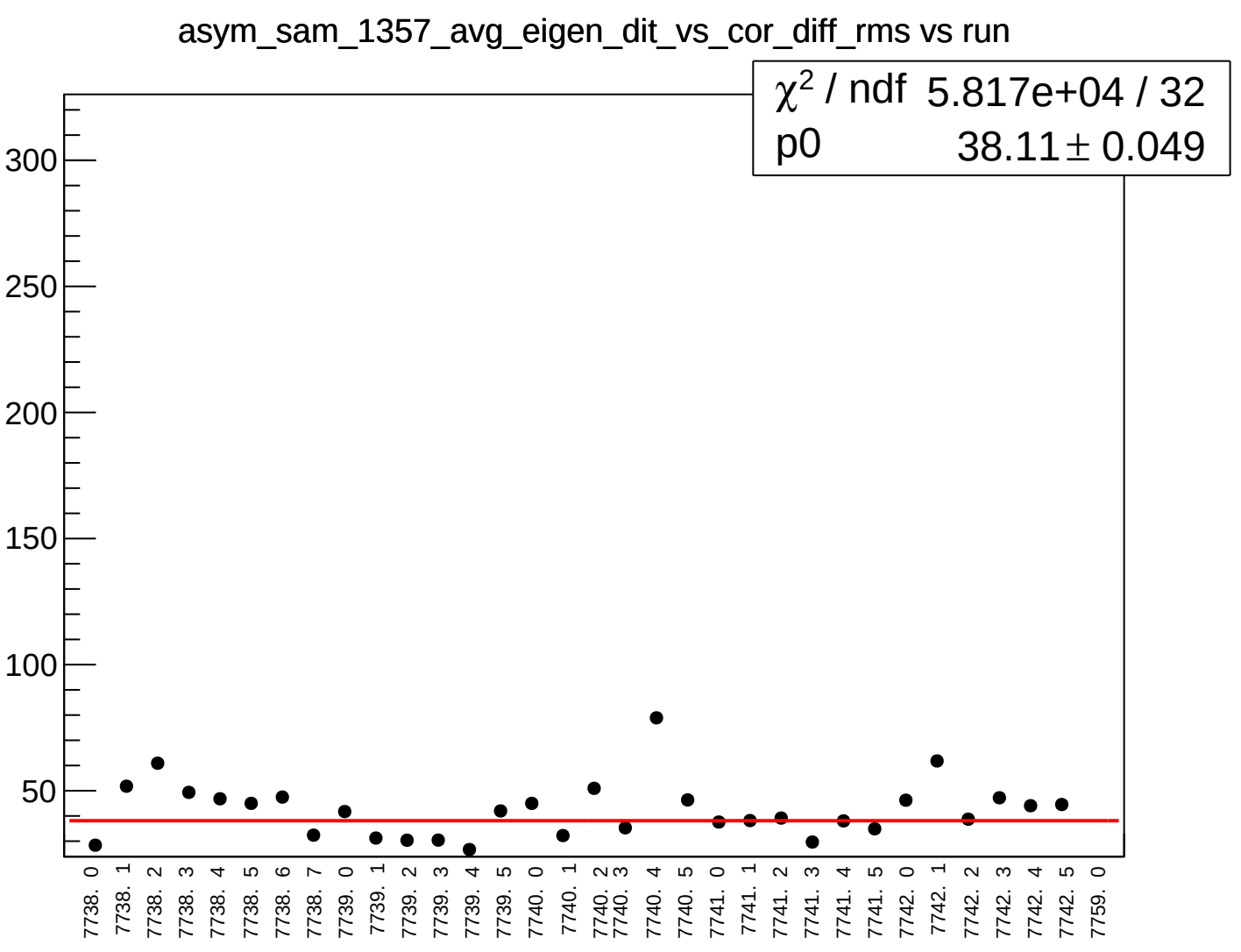

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.817e+04 / 32
p0 38.11 ± 0.049
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

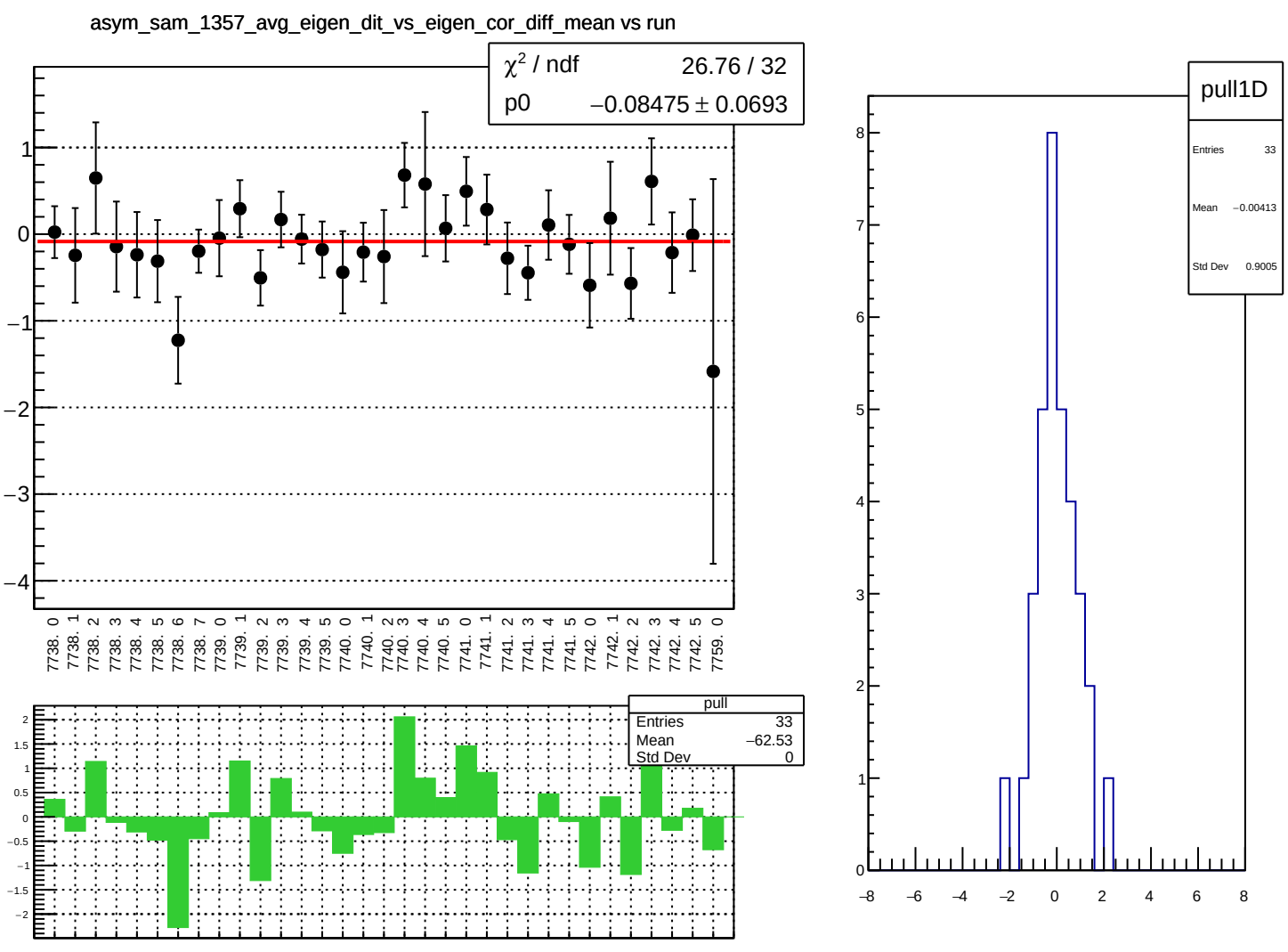

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.04 / 32
p0 −9.695e−07 ± 3.665e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −5.133
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

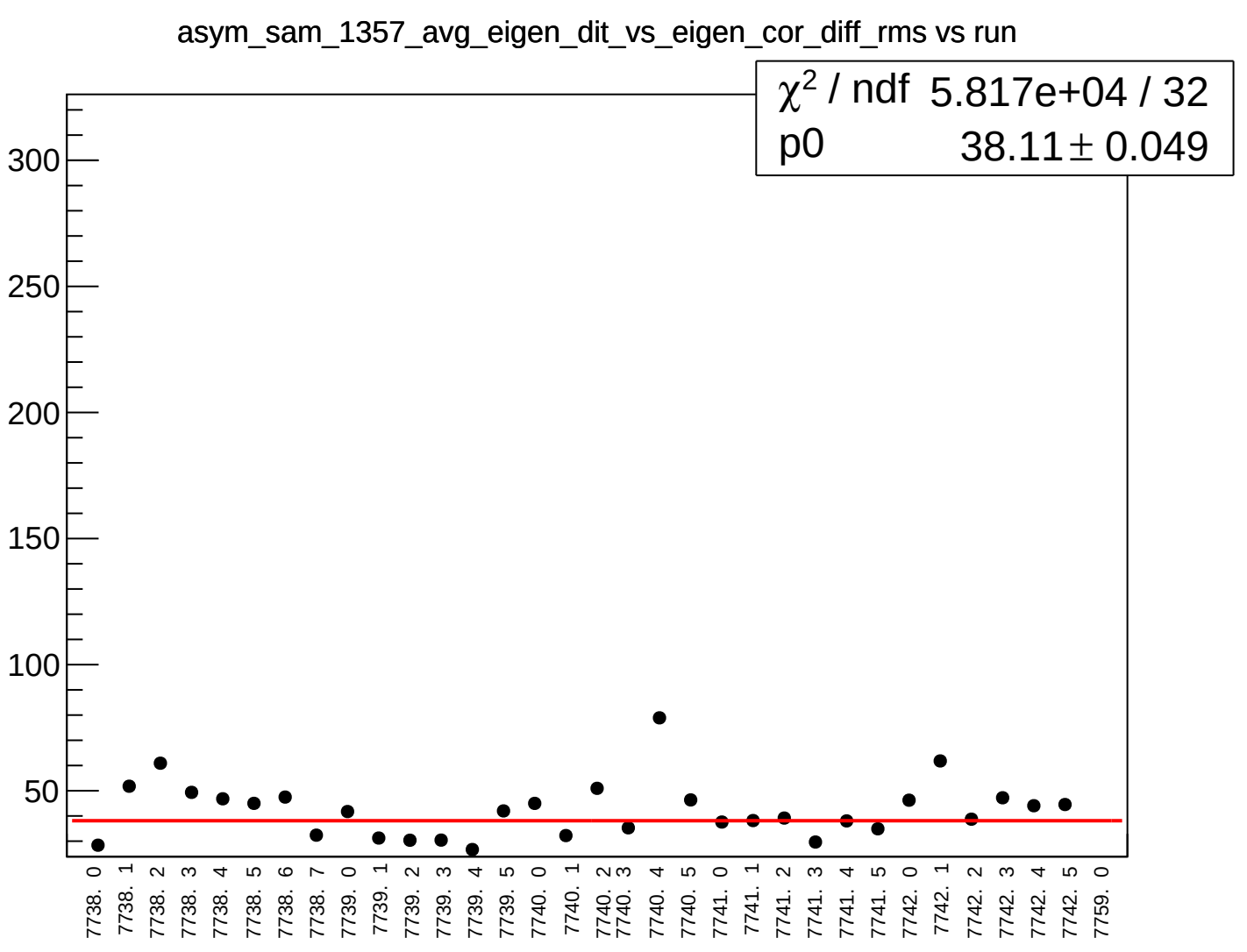

pull1D
Entries 33
Mean 0.0619
Std Dev 0.9986
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

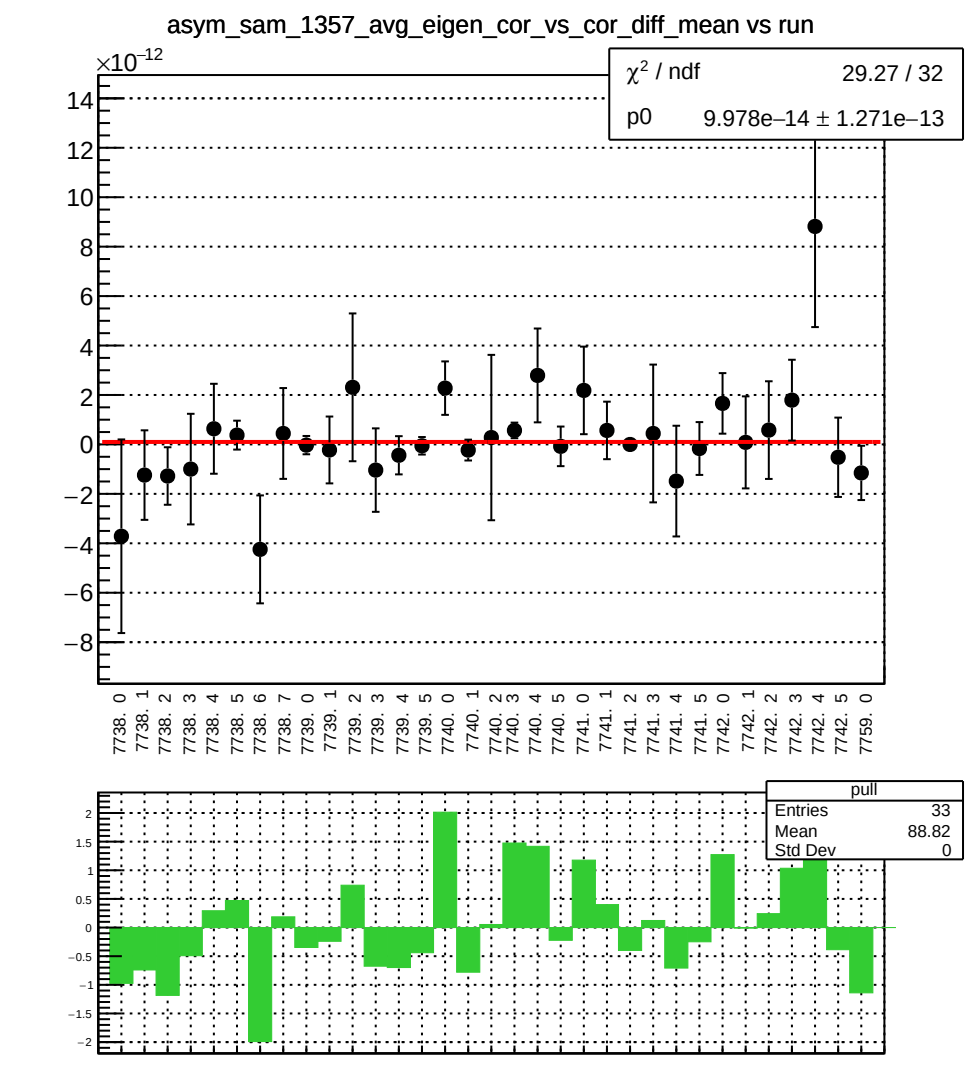

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.689e+04 / 32
p0 0.002017 ± 2.591e−06
0.003
0.0025
0.002
0.0015
0.001
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

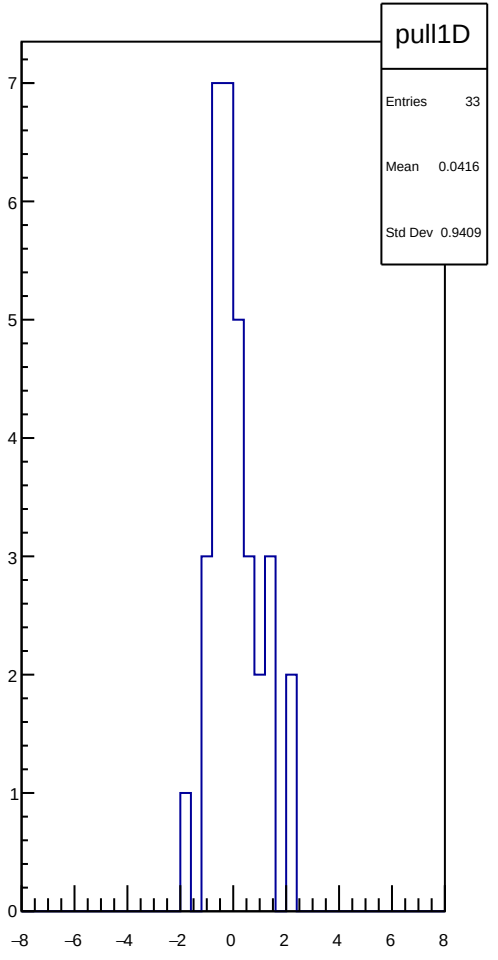

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 26.76 / 32
p0 −0.08475 ± 0.0693
1
0
−1
−2
−3
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −62.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.00413
Std Dev 0.9005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

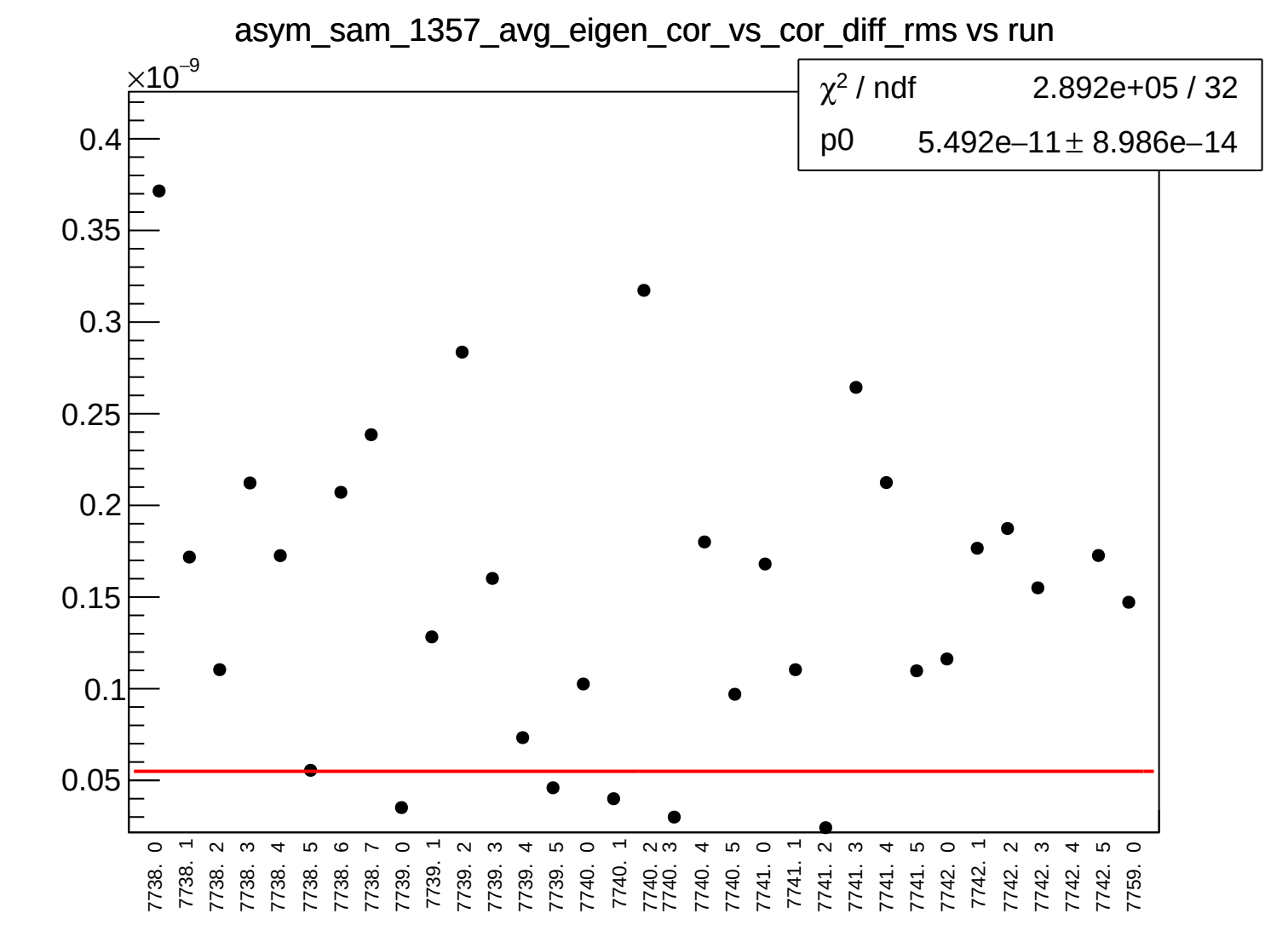

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.817e+04 / 32
p0 38.11 ± 0.049
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

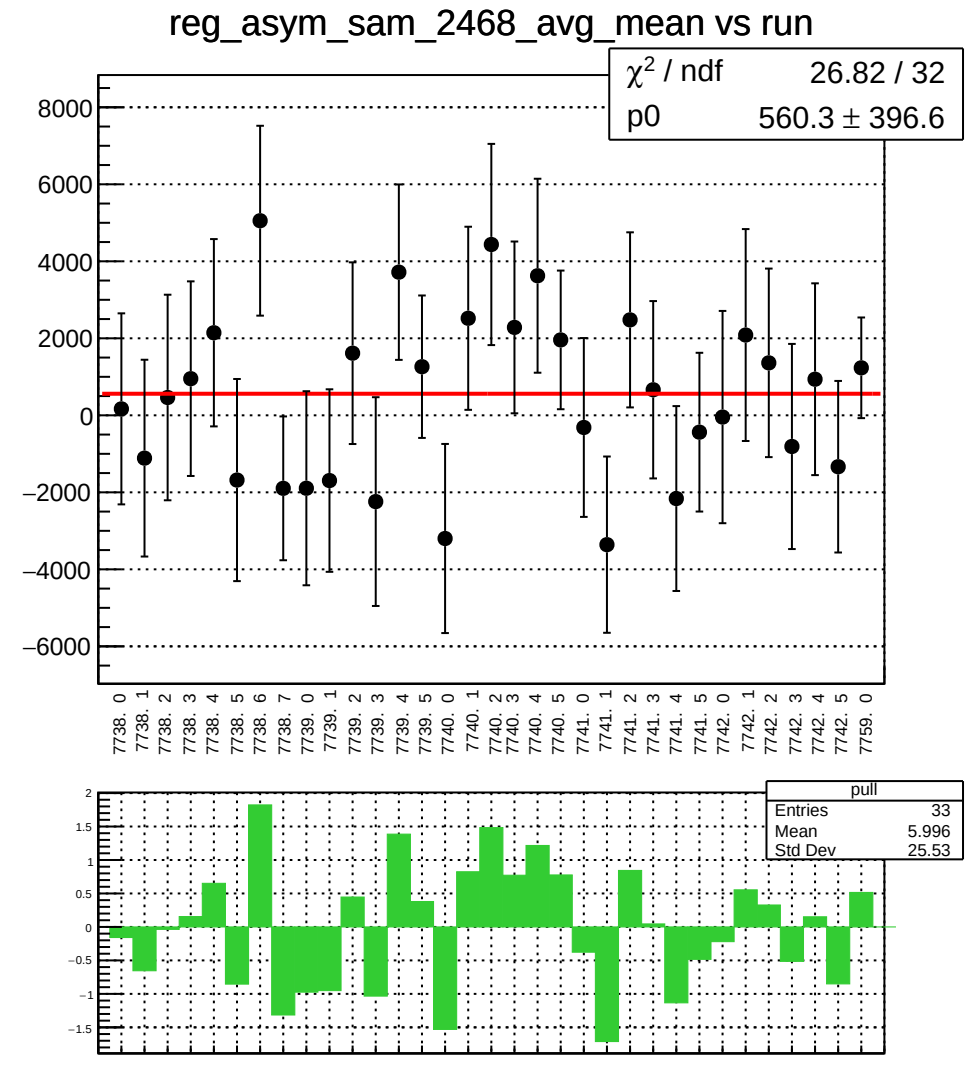

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 26.76 / 32
p0 −0.08475 ± 0.0693
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −62.53
Std Dev 0
pull1D
Entries 33
Mean −0.00413
Std Dev 0.9005

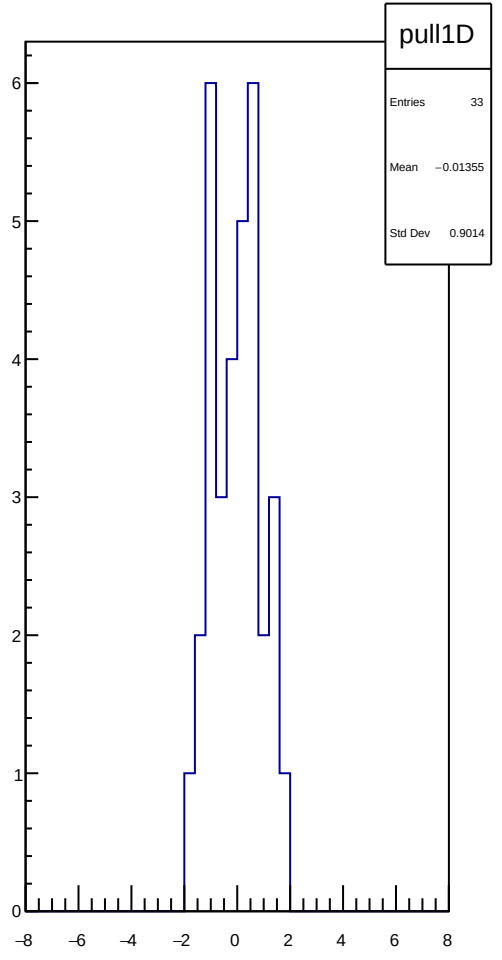

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.817e+04 / 32
p0 38.11 ± 0.049
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

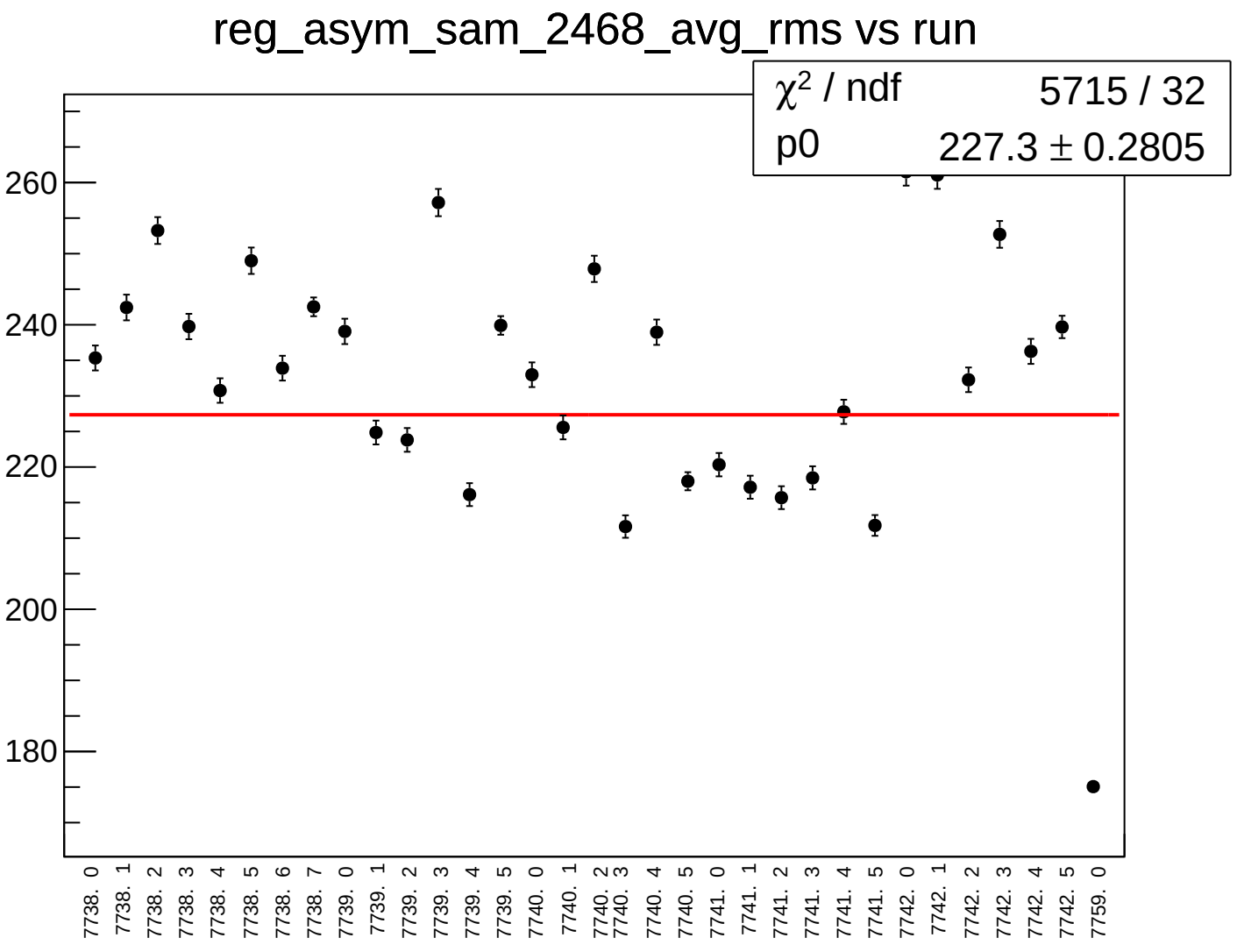

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 29.27 / 32
p0 9.978e−14 ± 1.271e−13
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 88.82
Std Dev 0

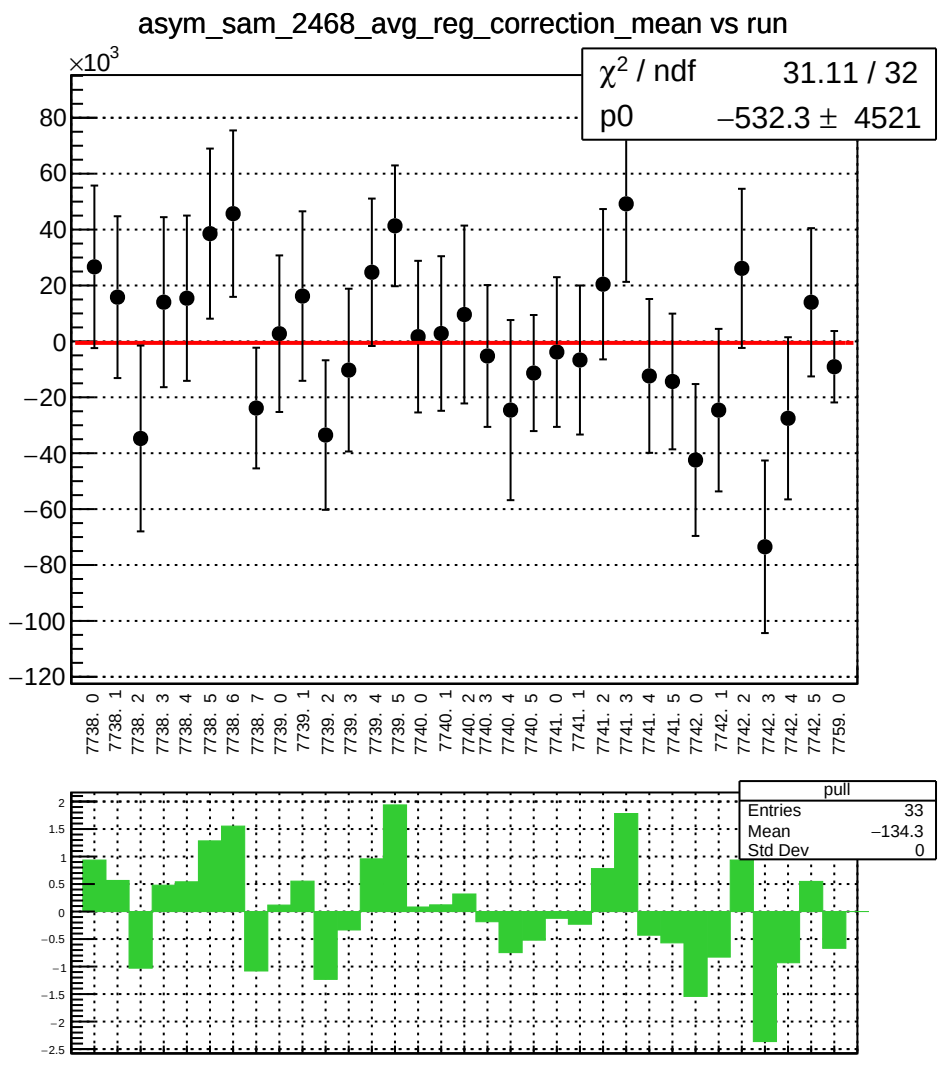

pull1D
Entries 33
Mean 0.0416
Std Dev 0.9409

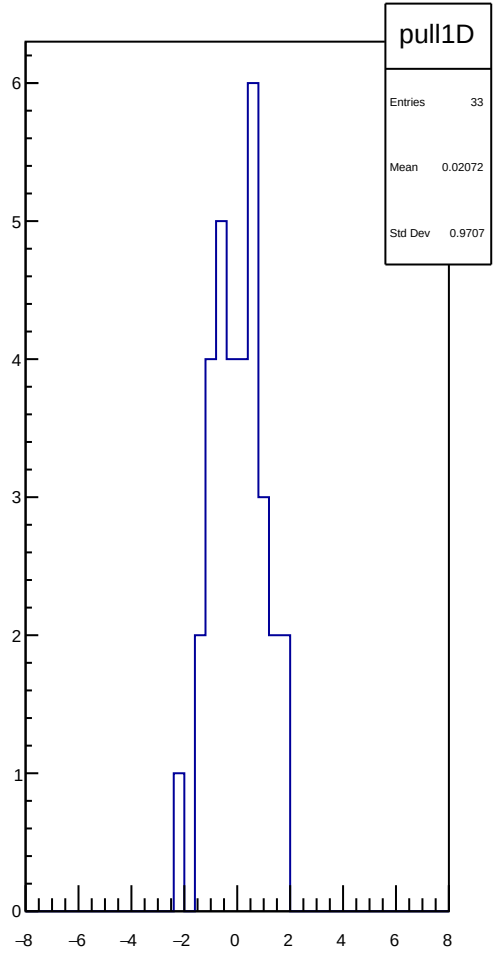

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.892e+05 / 32
p0 5.492e−11 ± 8.986e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

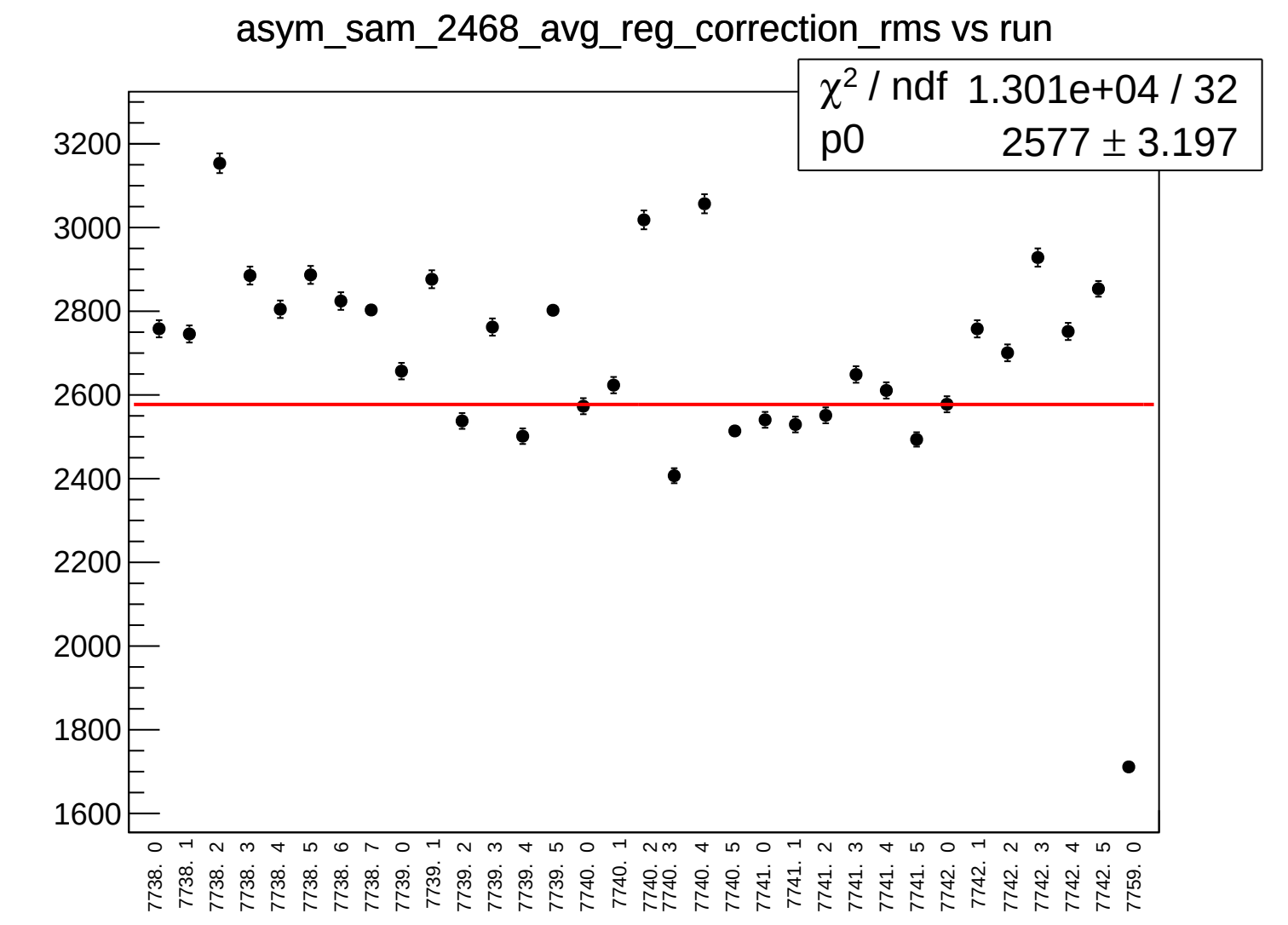

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 26.82 / 32
p0 560.3 ± 396.6
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.996
Std Dev 25.53
2
1.5
1
0.5
0
−0.5
−1
−1.5

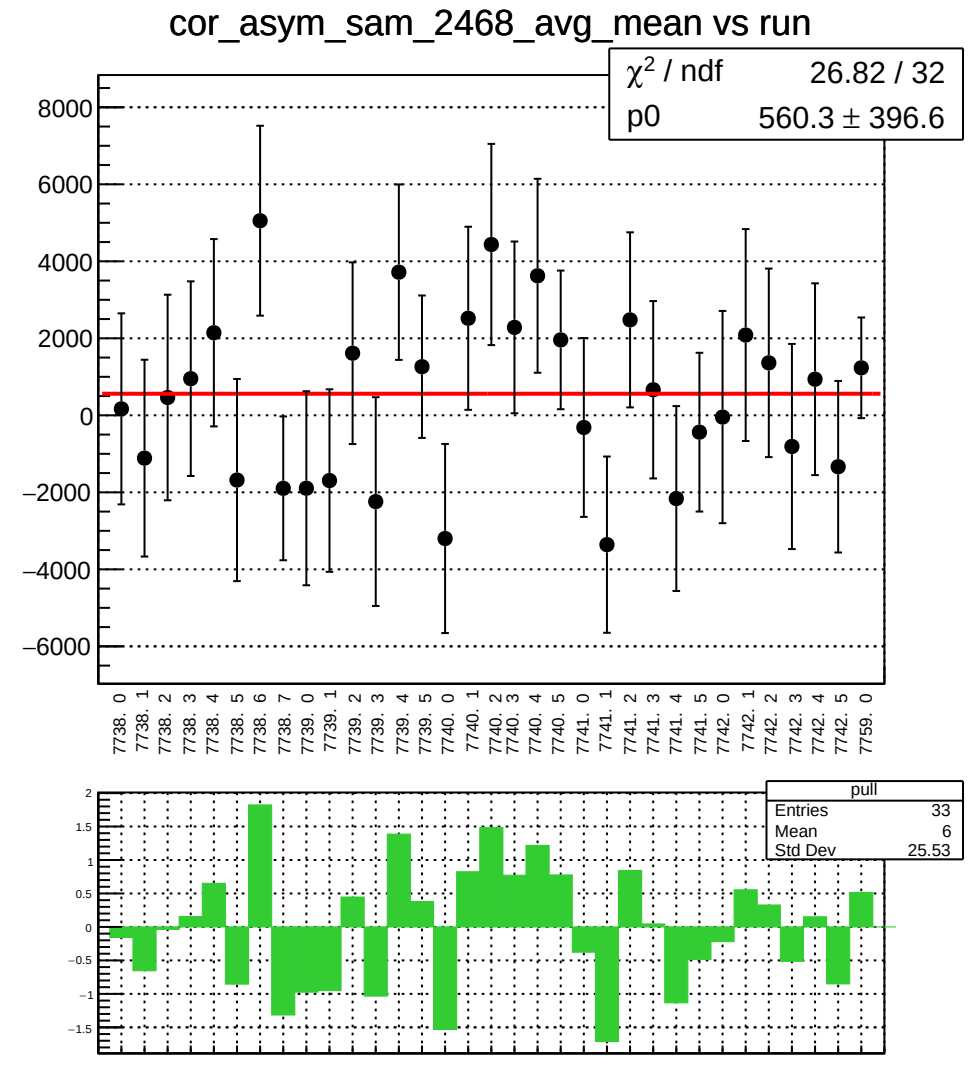

pull1D
Entries 33
Mean −0.01355
Std Dev 0.9014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

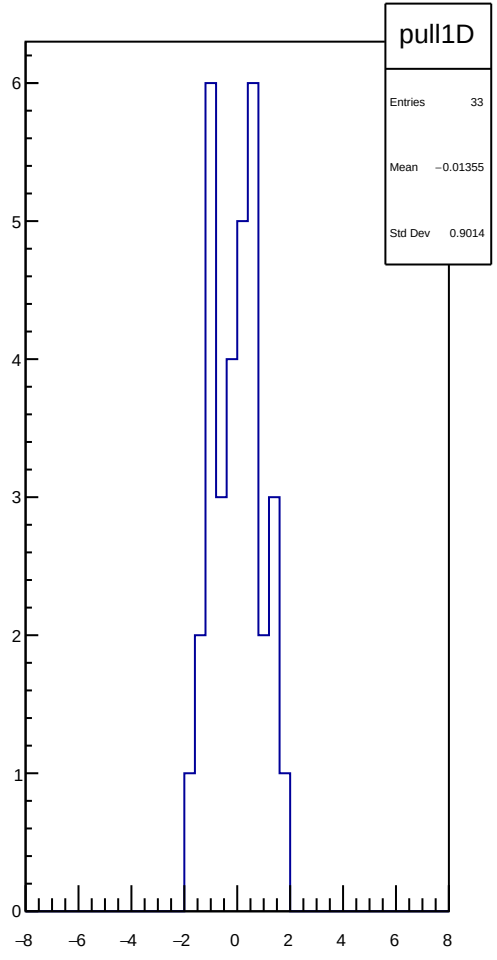

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 5715 / 32
p0 227.3 ± 0.2805
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

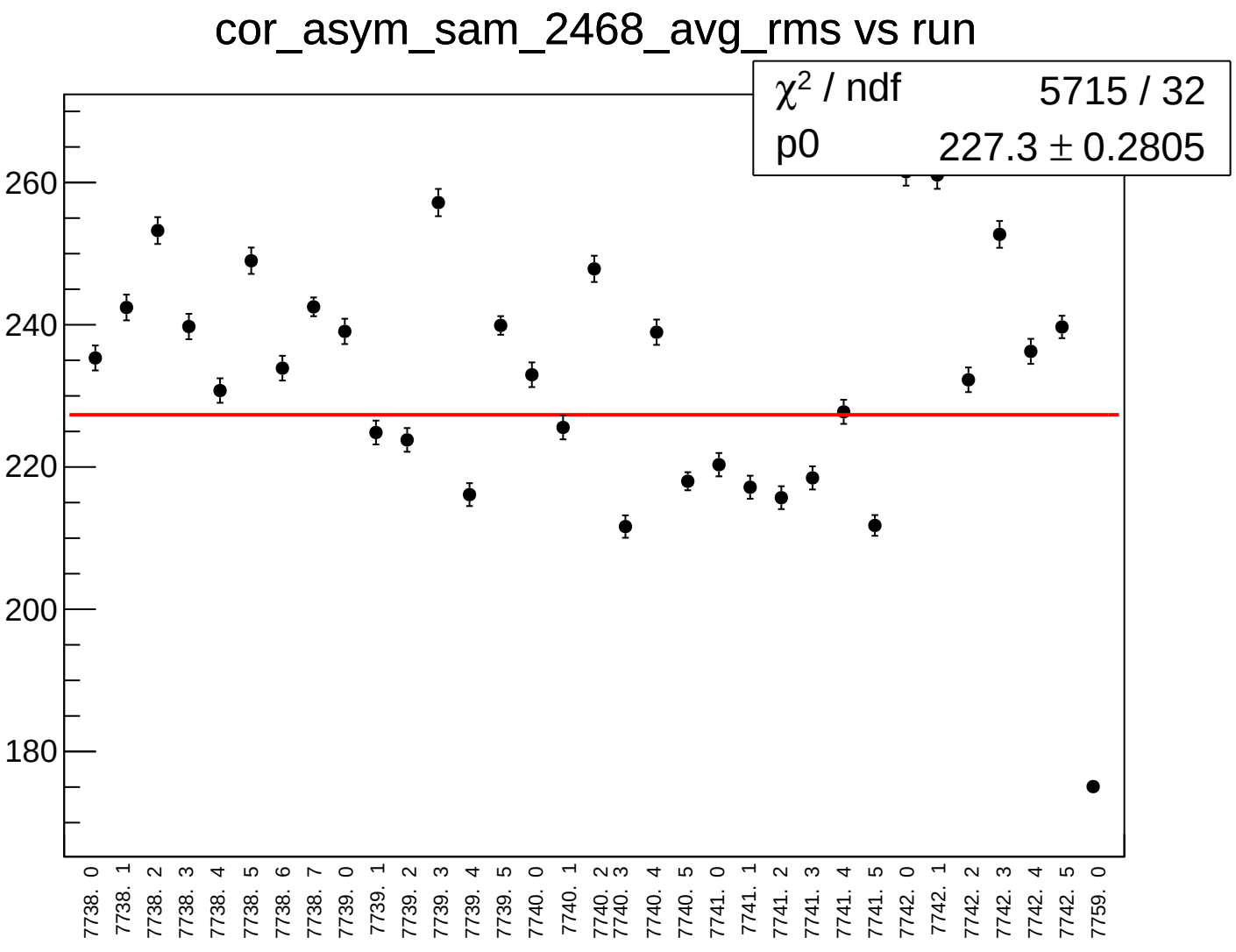

asym_sam_2468_avg_reg_correction_mean vs run
×10^3
χ² / ndf 31.11 / 32
p0 −532.3 ± 4521
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −134.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

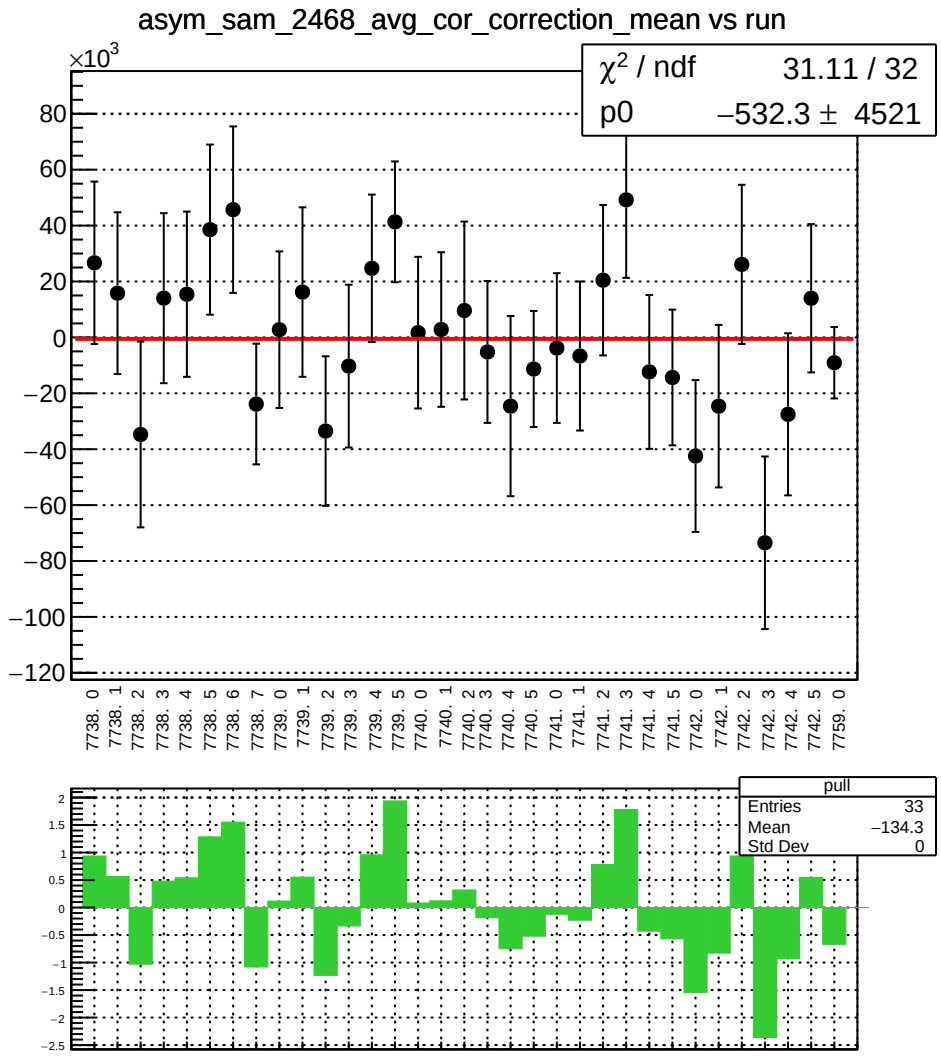

pull1D
Entries 33
Mean 0.02072
Std Dev 0.9707
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

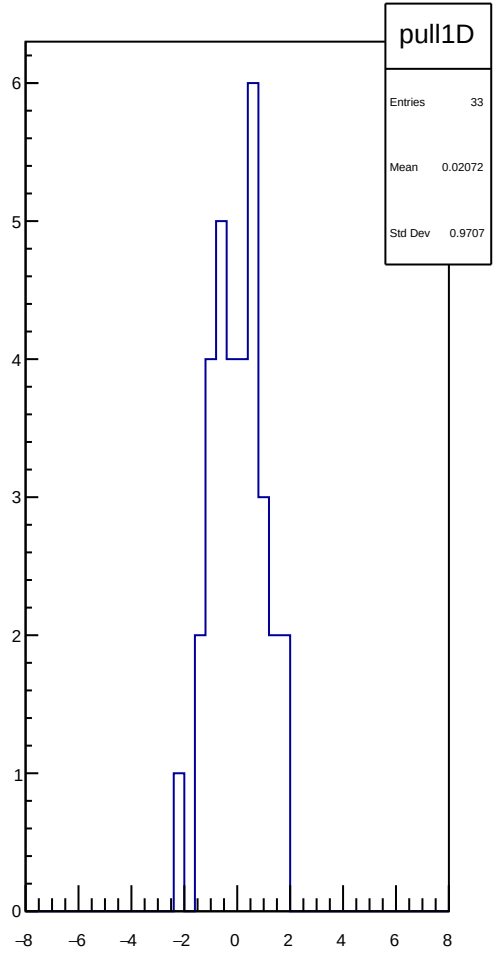

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 1.301e+04 / 32
p0 2577 ± 3.197
3200
3000
2800
2600
2400
2200
2000
1800
1600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

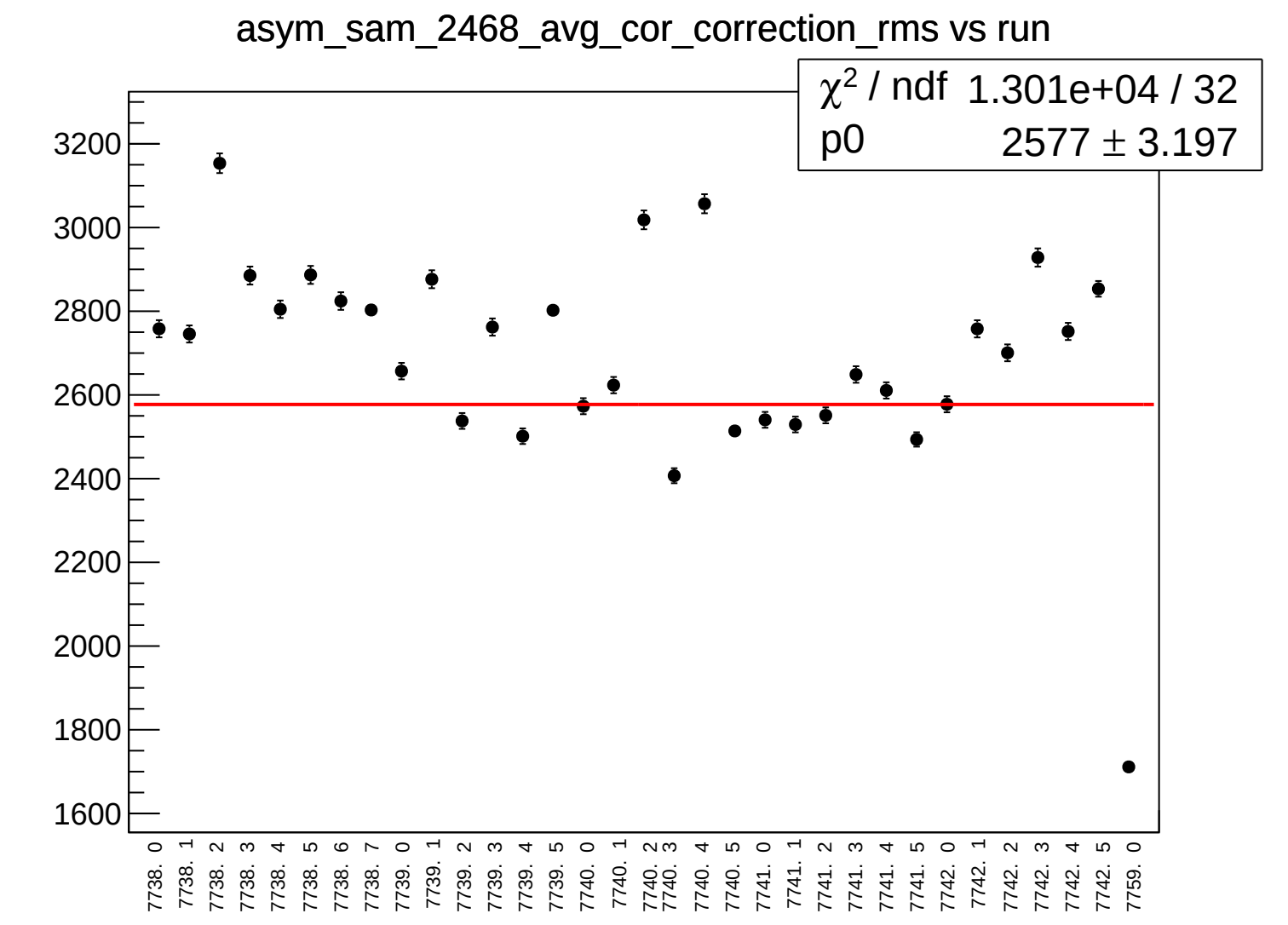

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 26.82 / 32
p0 560.3 ± 396.6
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6
Std Dev 25.53
2
1.5
1
0.5
0
−0.5
−1
−1.5

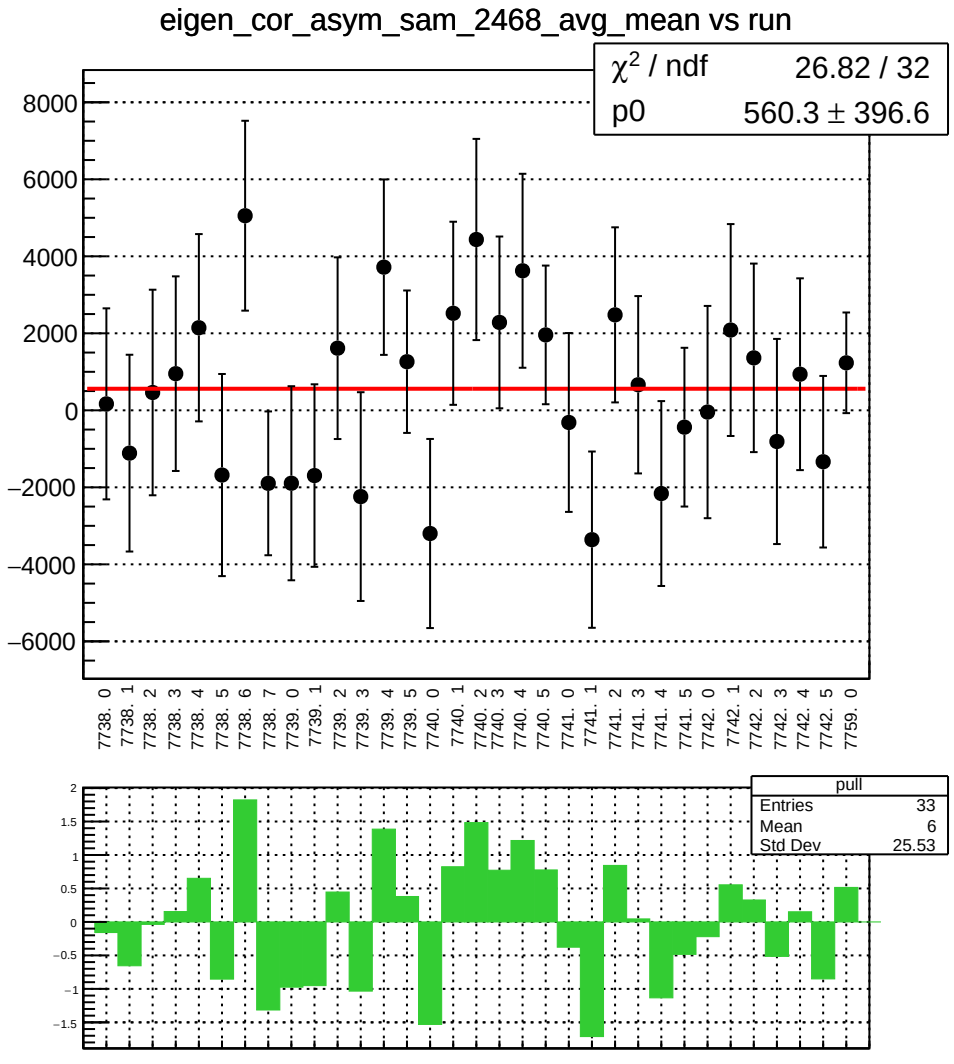

pull1D
Entries 33
Mean −0.01355
Std Dev 0.9014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

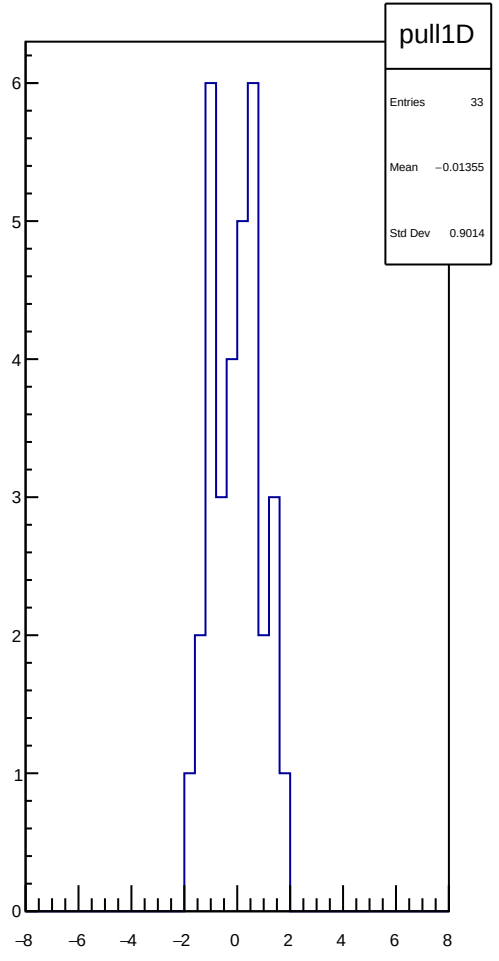

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 5715 / 32
p0 227.3 ± 0.2805
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

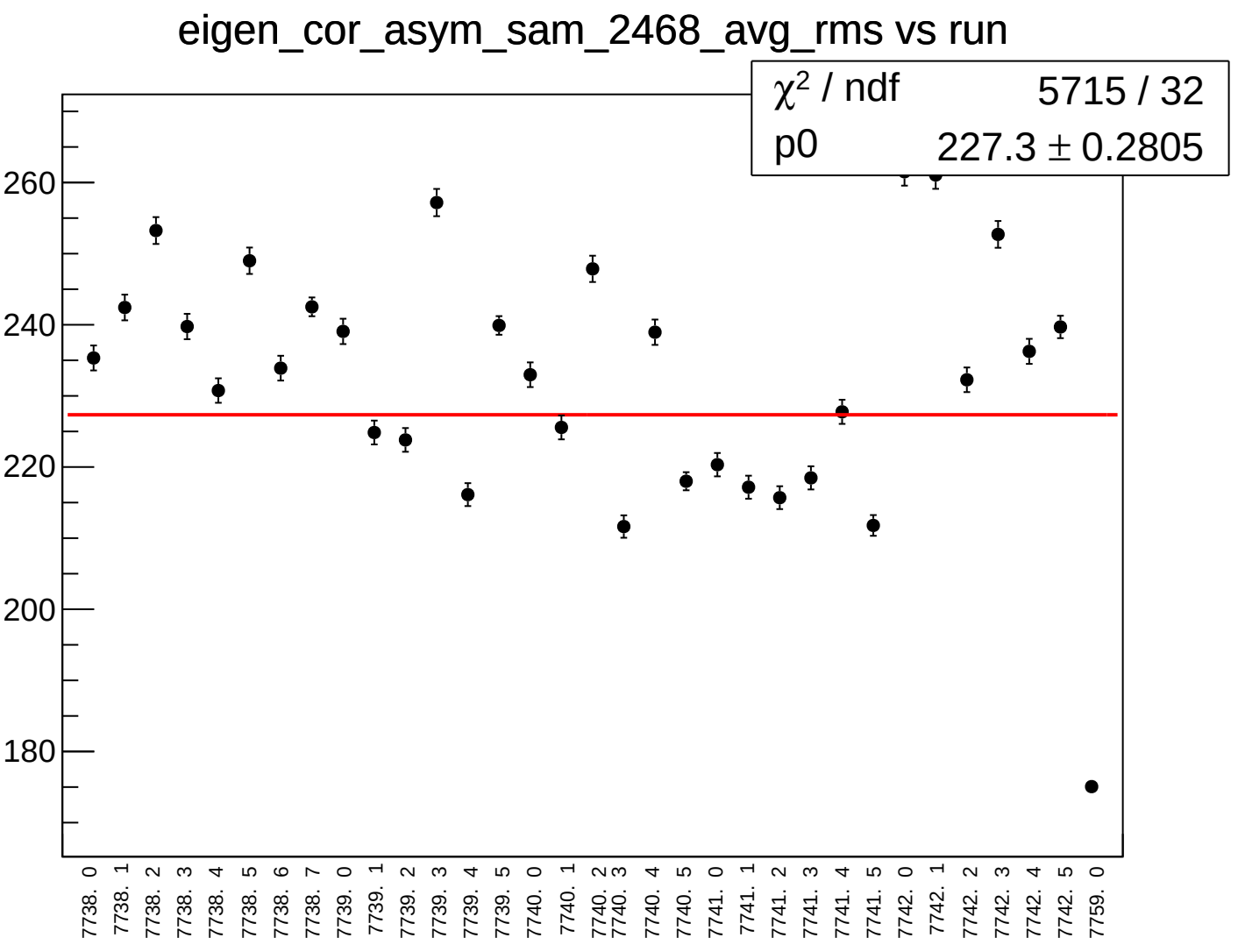

asym_sam_2468_avg_cor_correction_mean vs run
×10^3
χ² / ndf 31.11 / 32
p0 −532.3 ± 4521
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −134.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

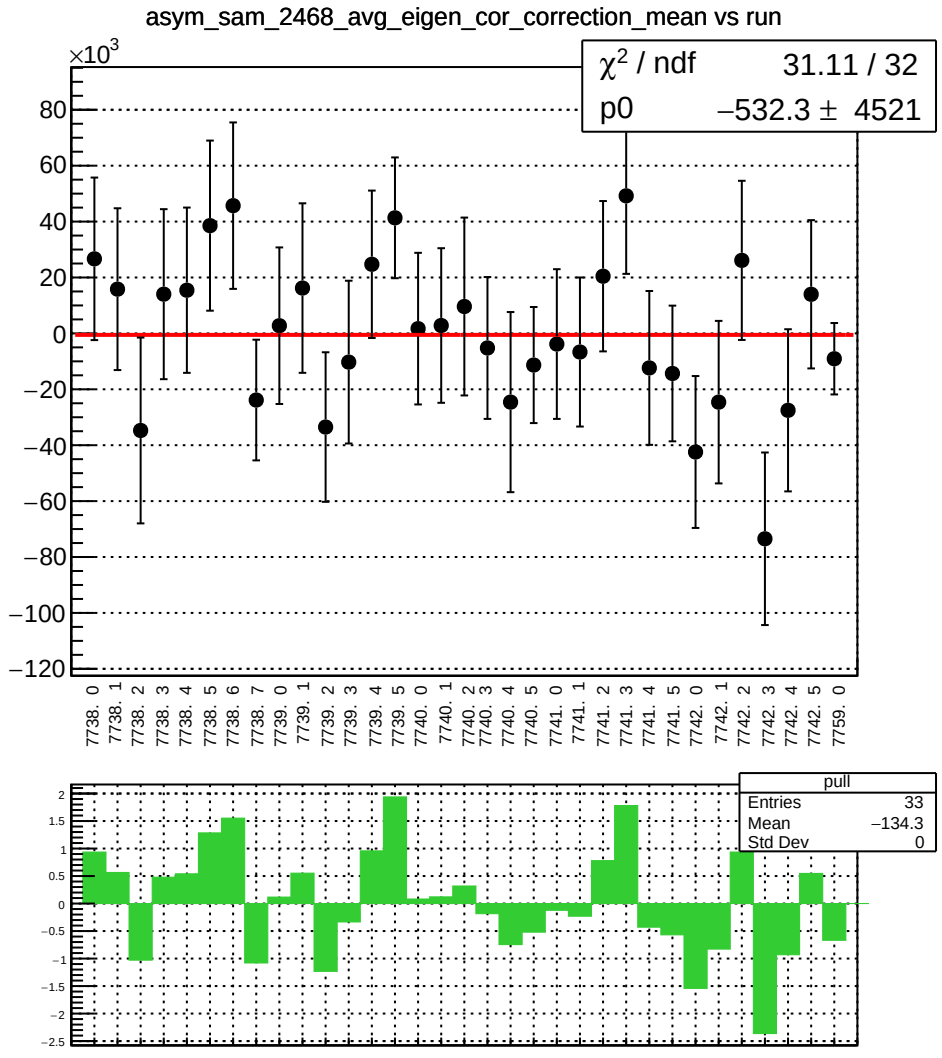

pull1D
Entries 33
Mean 0.02072
Std Dev 0.9707
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

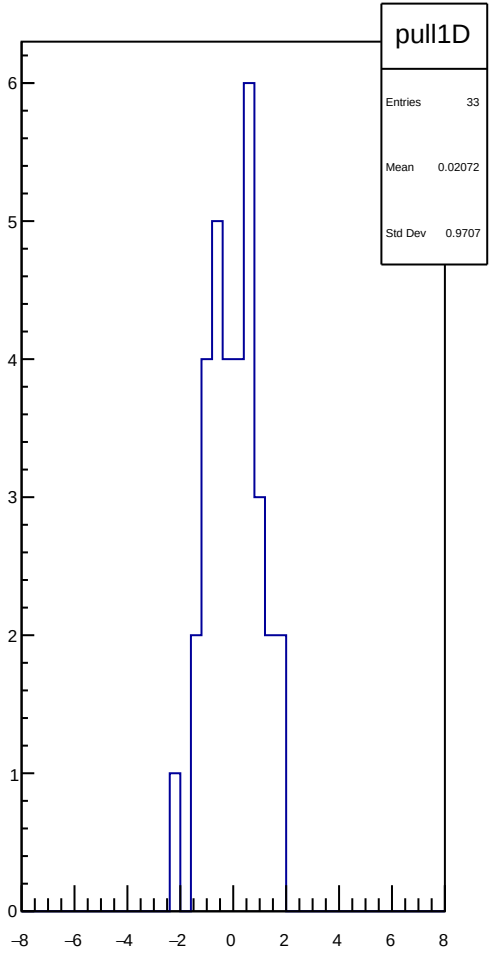

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 1.301e+04 / 32
p0 2577 ± 3.197
3200
3000
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

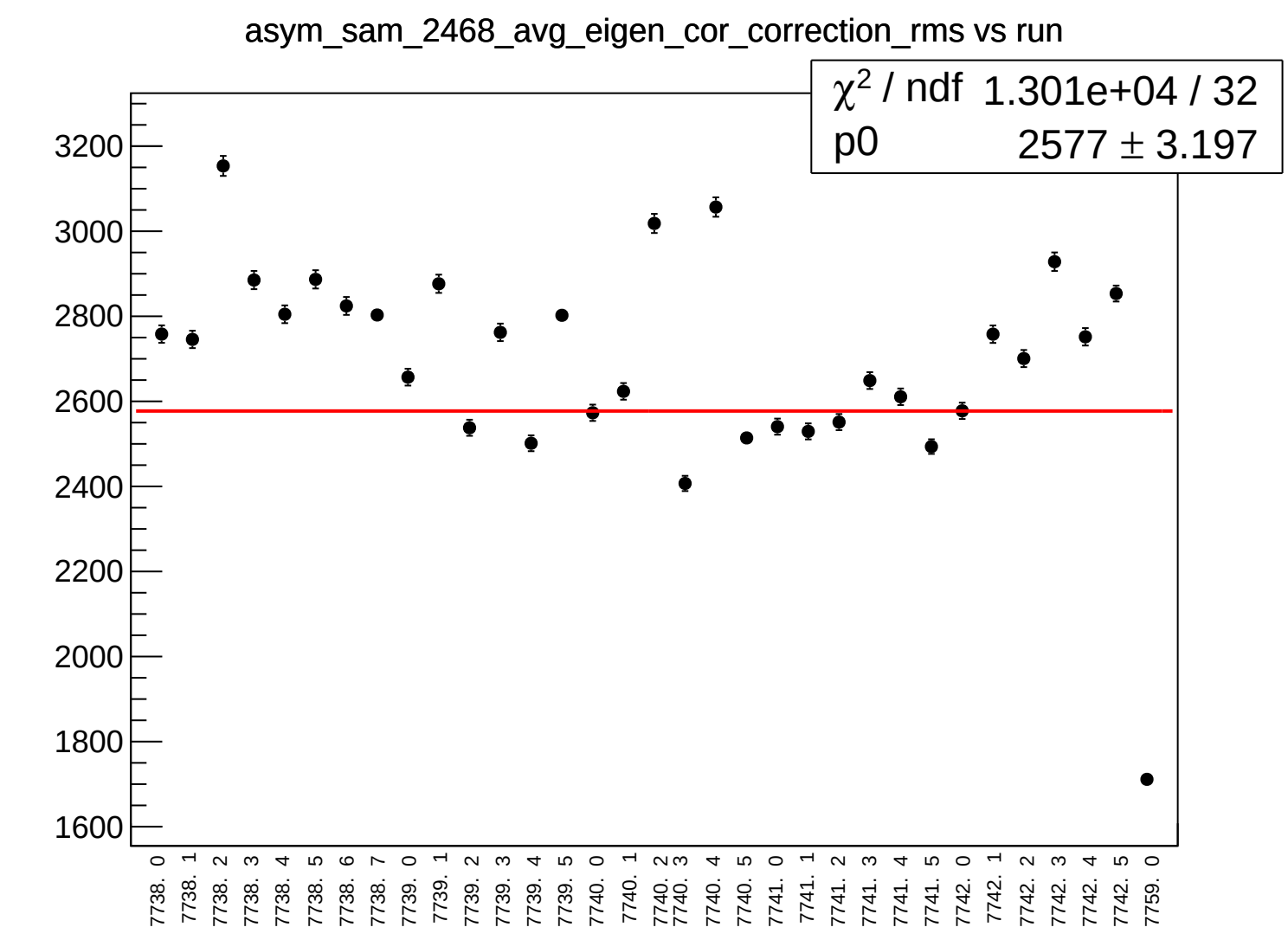

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 26.82 / 32
p0 560.3 ± 396.6
8000
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6
Std Dev 25.53
2
1.5
1
0.5
0
−0.5
−1
−1.5

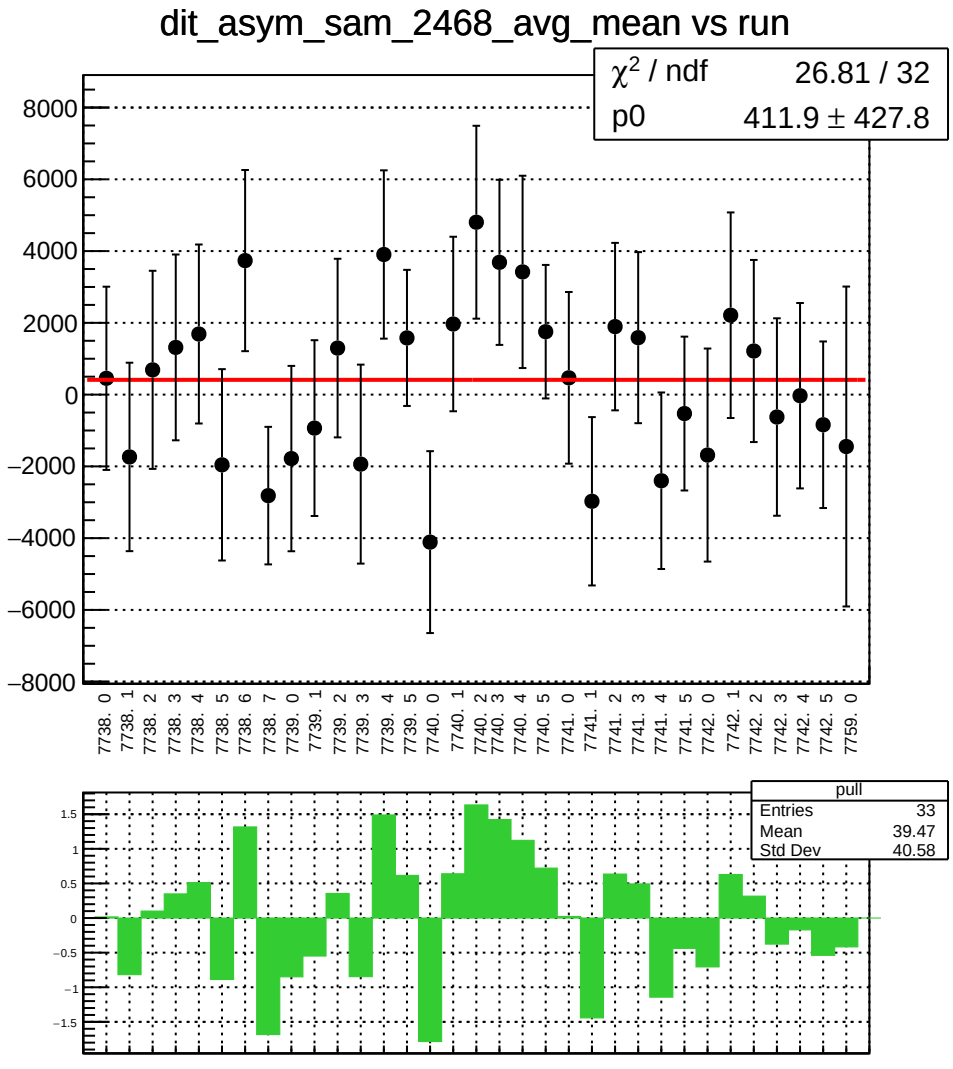

pull1D
Entries 33
Mean −0.01355
Std Dev 0.9014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

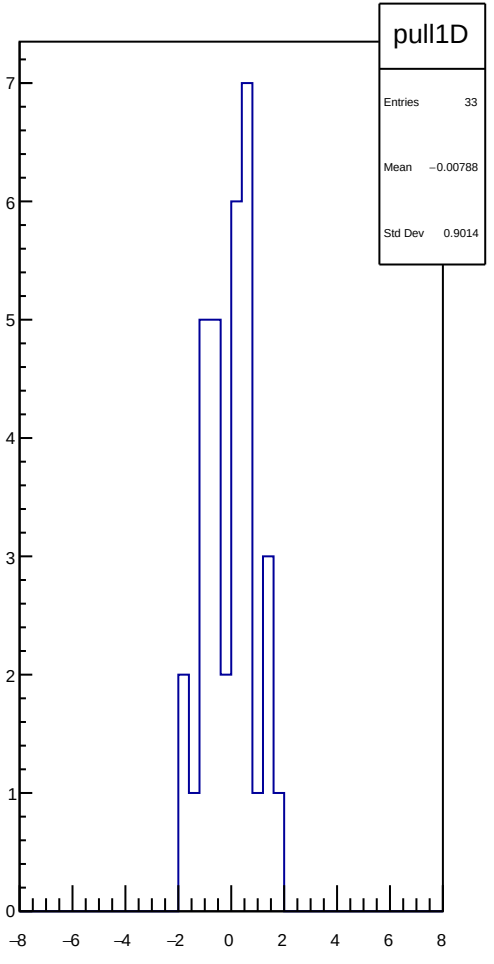

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 5715 / 32
p0 227.3 ± 0.2805
260
240
220
200
180
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

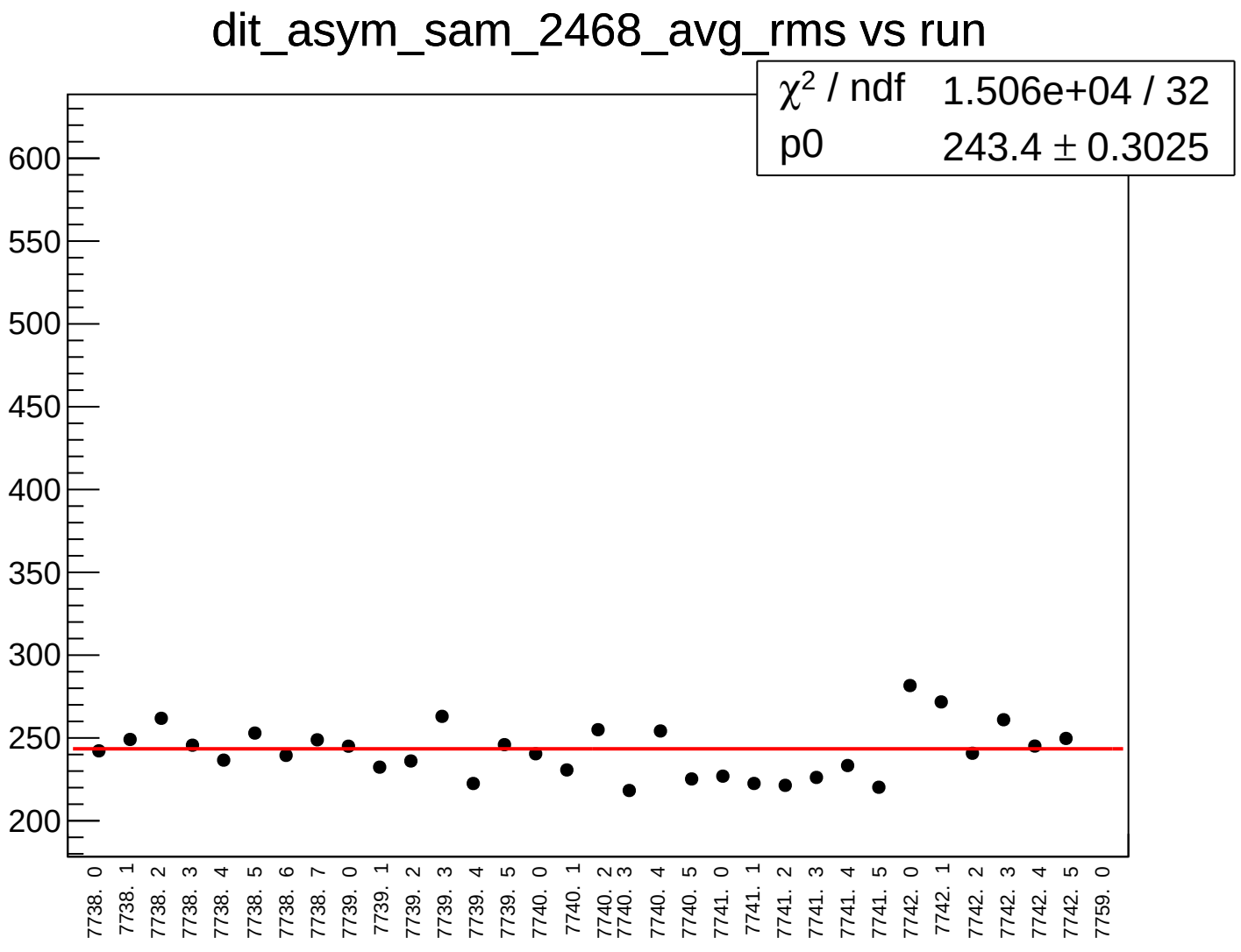

asym_sam_2468_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.11 / 32
p0 −532.3 ± 4521
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −134.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

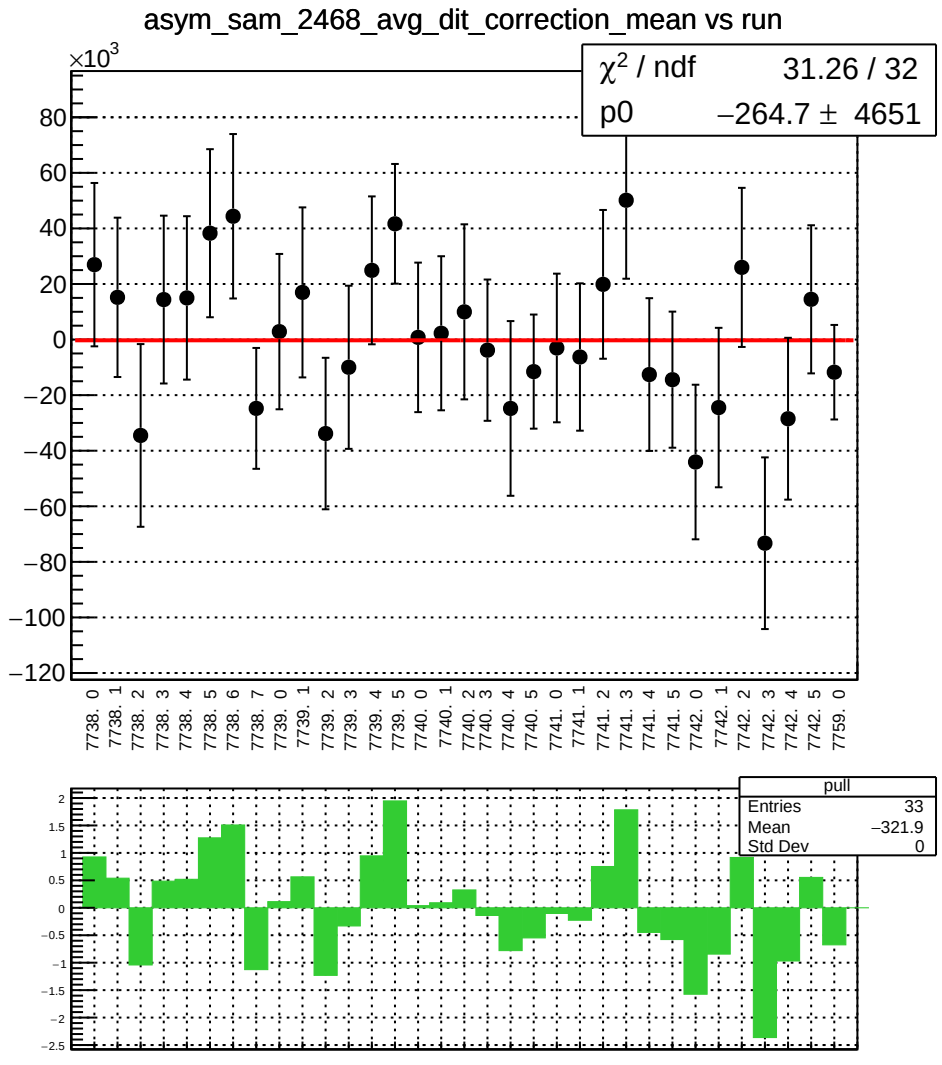

pull1D
Entries 33
Mean 0.02072
Std Dev 0.9707
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

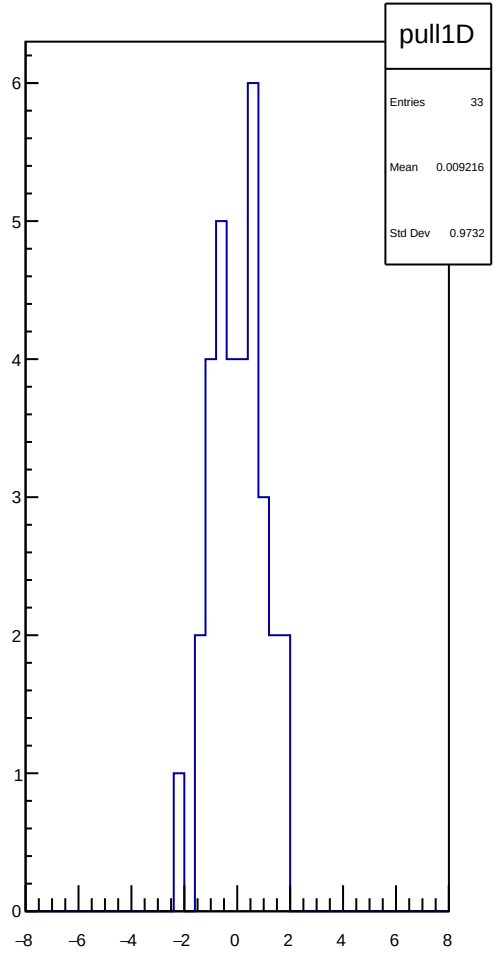

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.301e+04 / 32
p0 2577 ± 3.197
3200
3000
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

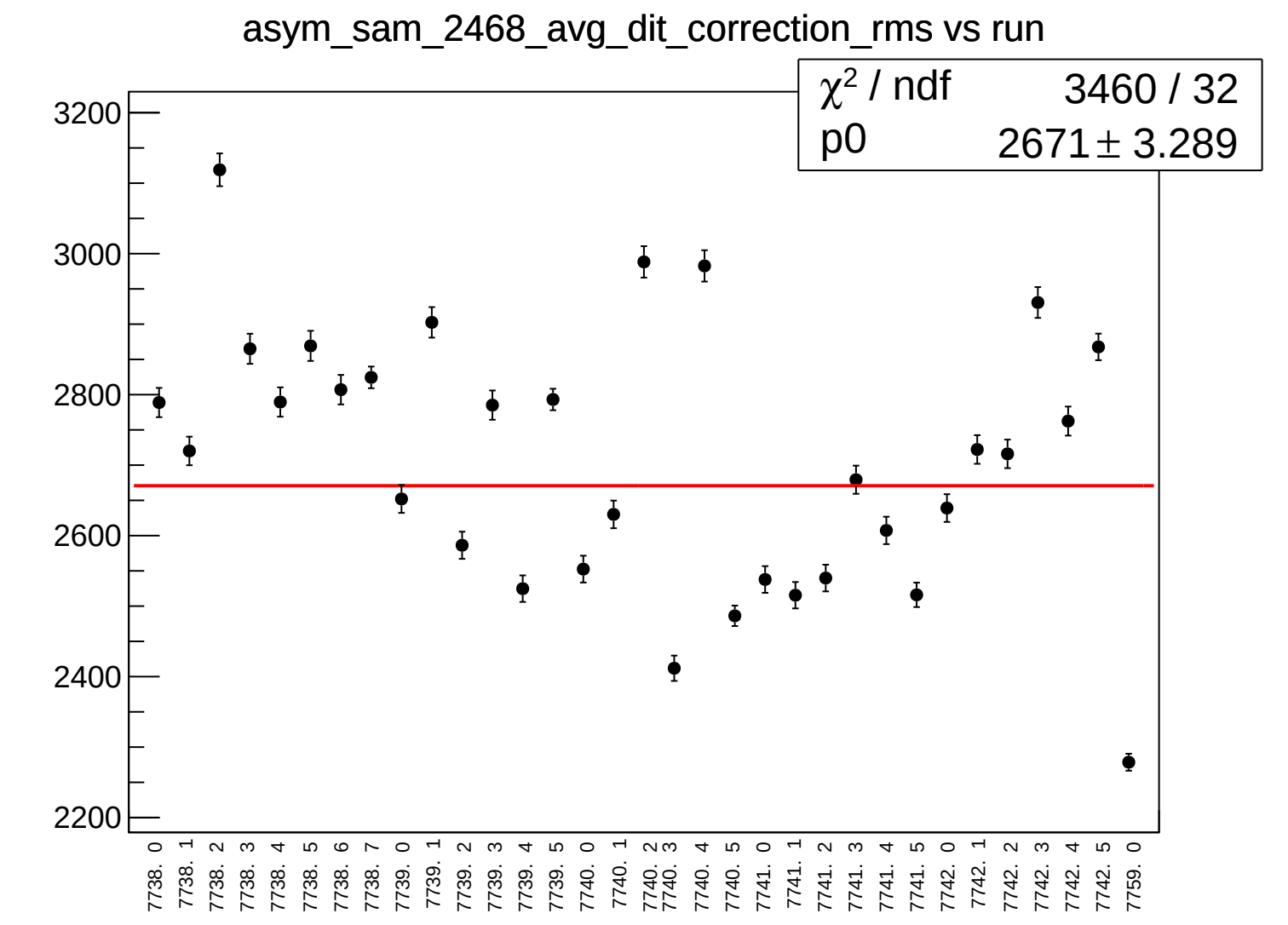

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 26.81 / 32
p0 411.9 ± 427.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.47
Std Dev 40.58
1.5
1
0.5
0
−0.5
−1
−1.5

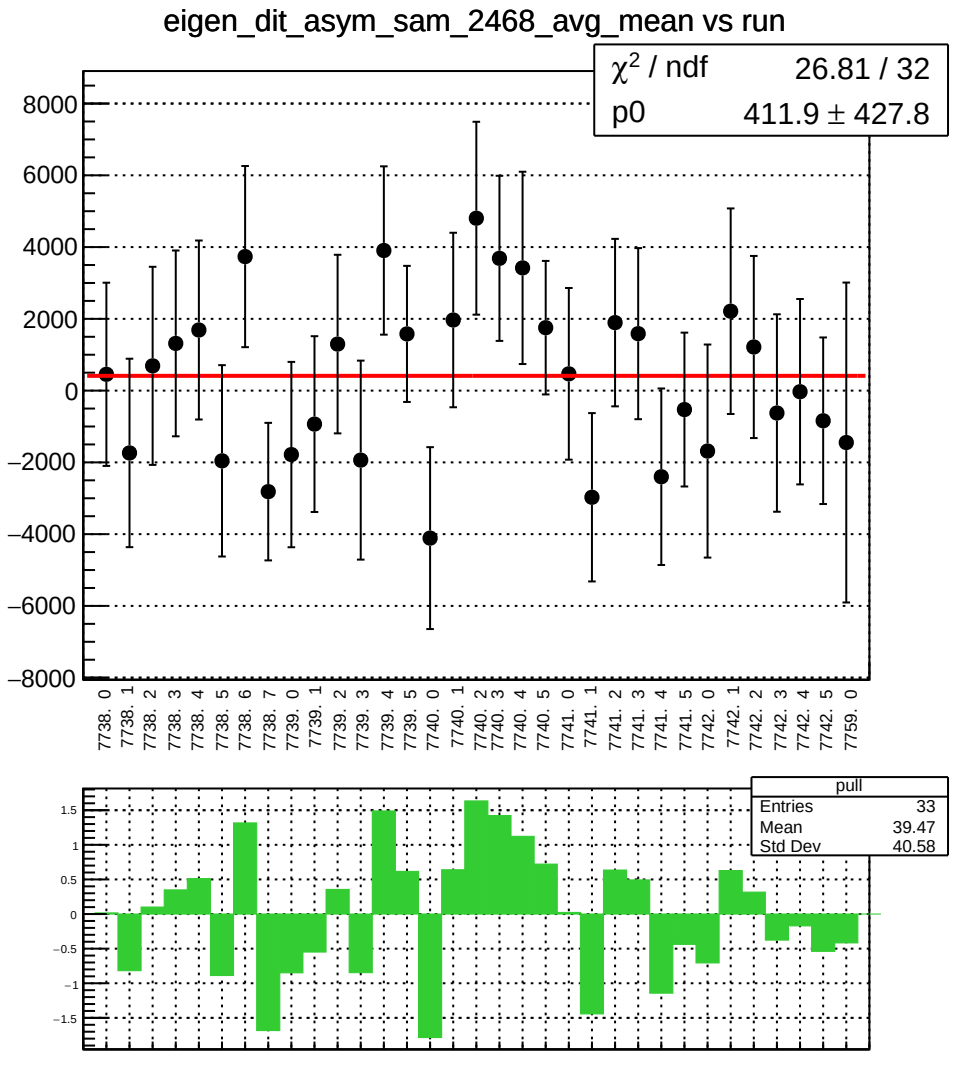

pull1D
Entries 33
Mean −0.00788
Std Dev 0.9014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

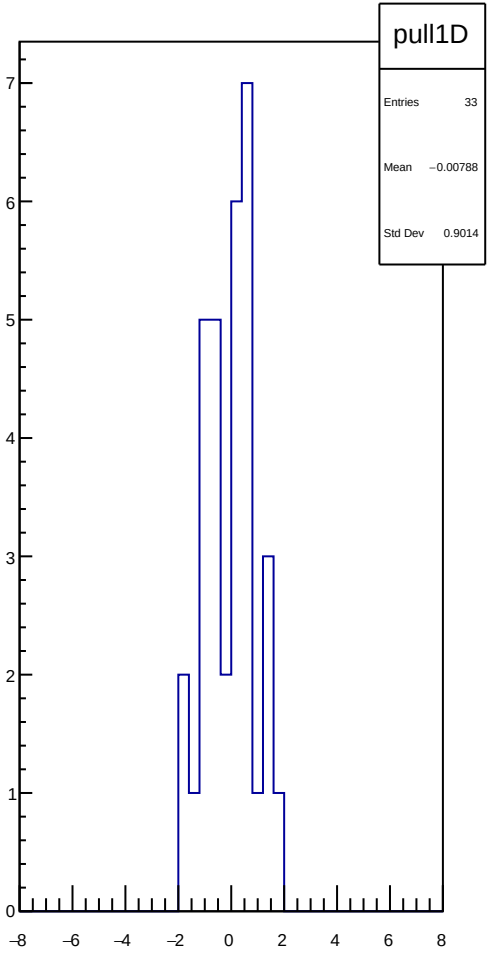

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.506e+04 / 32
p0 243.4 ± 0.3025
600
550
500
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

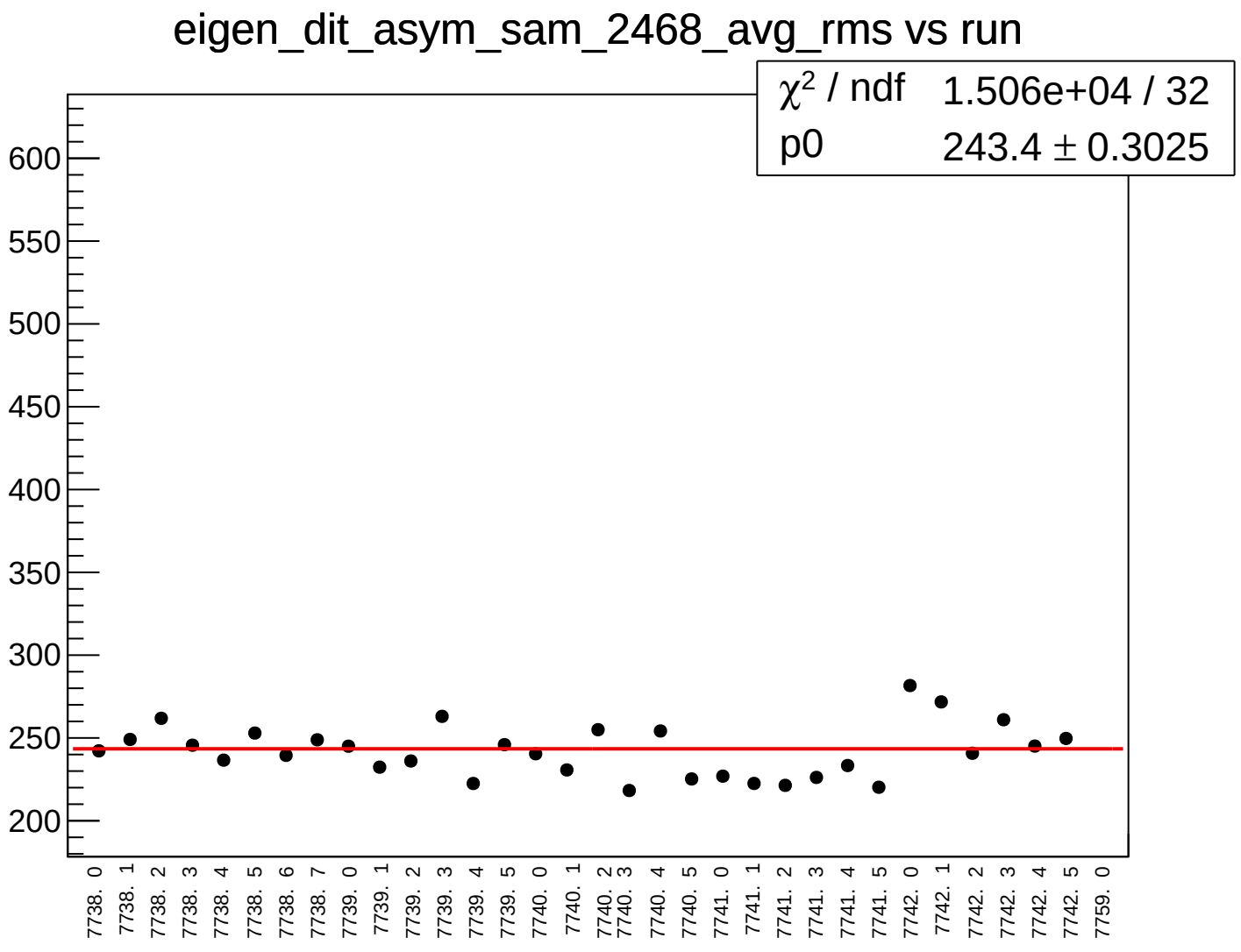

asym_sam_2468_avg_dit_correction_mean vs run
×10^3
χ² / ndf 31.26 / 32
p0 −264.7 ± 4651
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −321.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

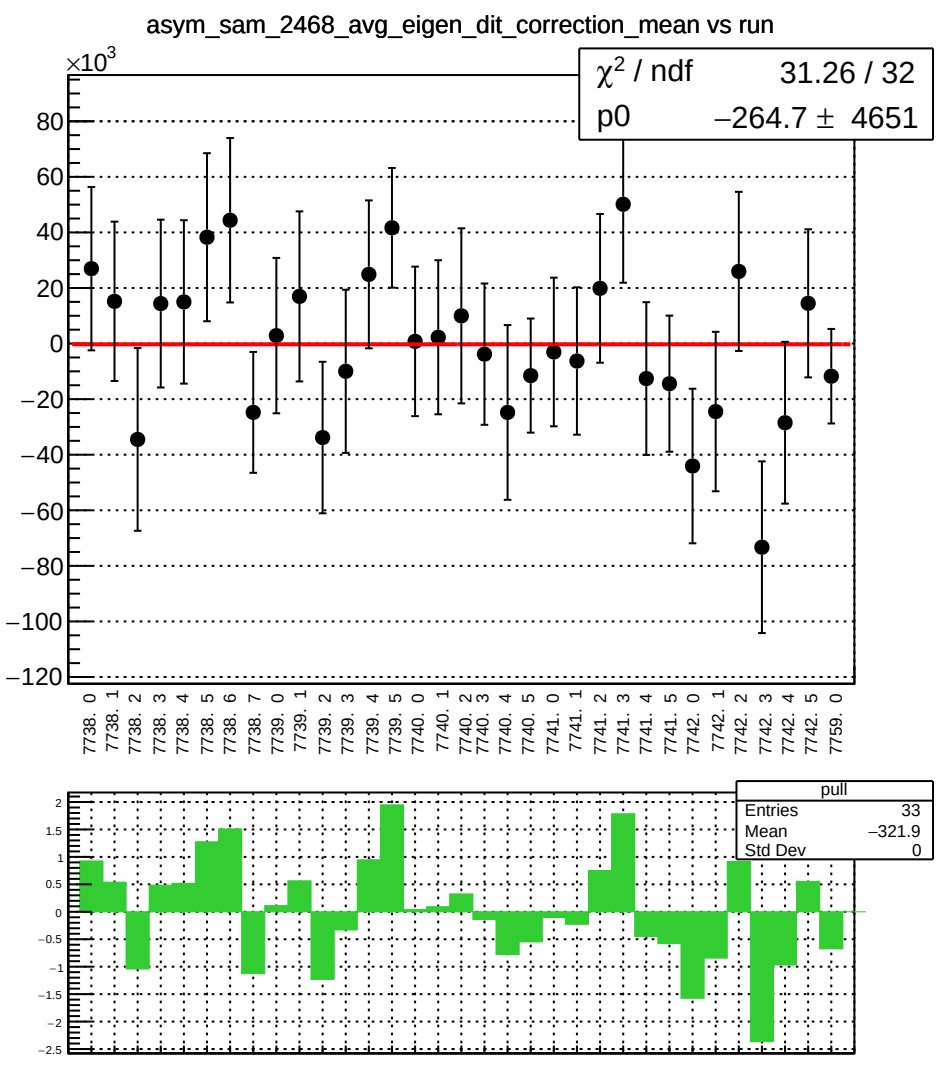

pull1D
Entries 33
Mean 0.009216
Std Dev 0.9732
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

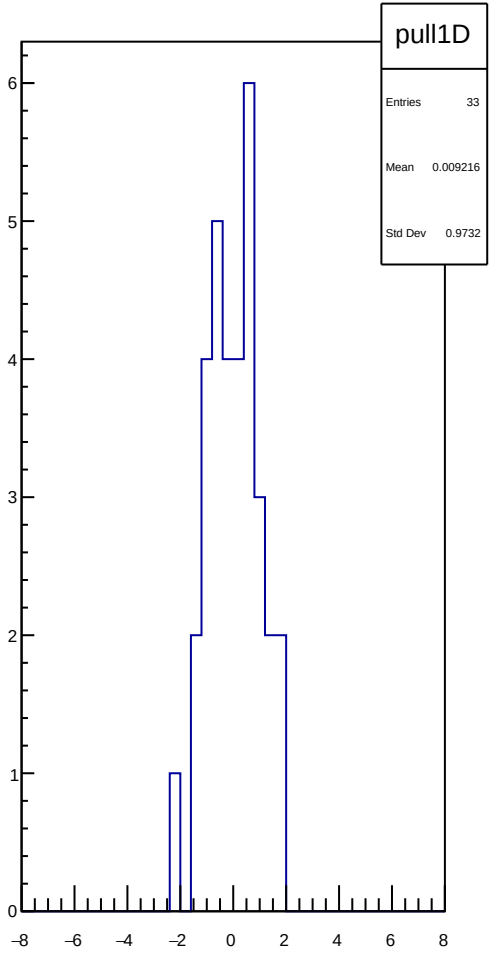

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 3460 / 32
p0 2671 ± 3.289
3200
3000
2800
2600
2400
2200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

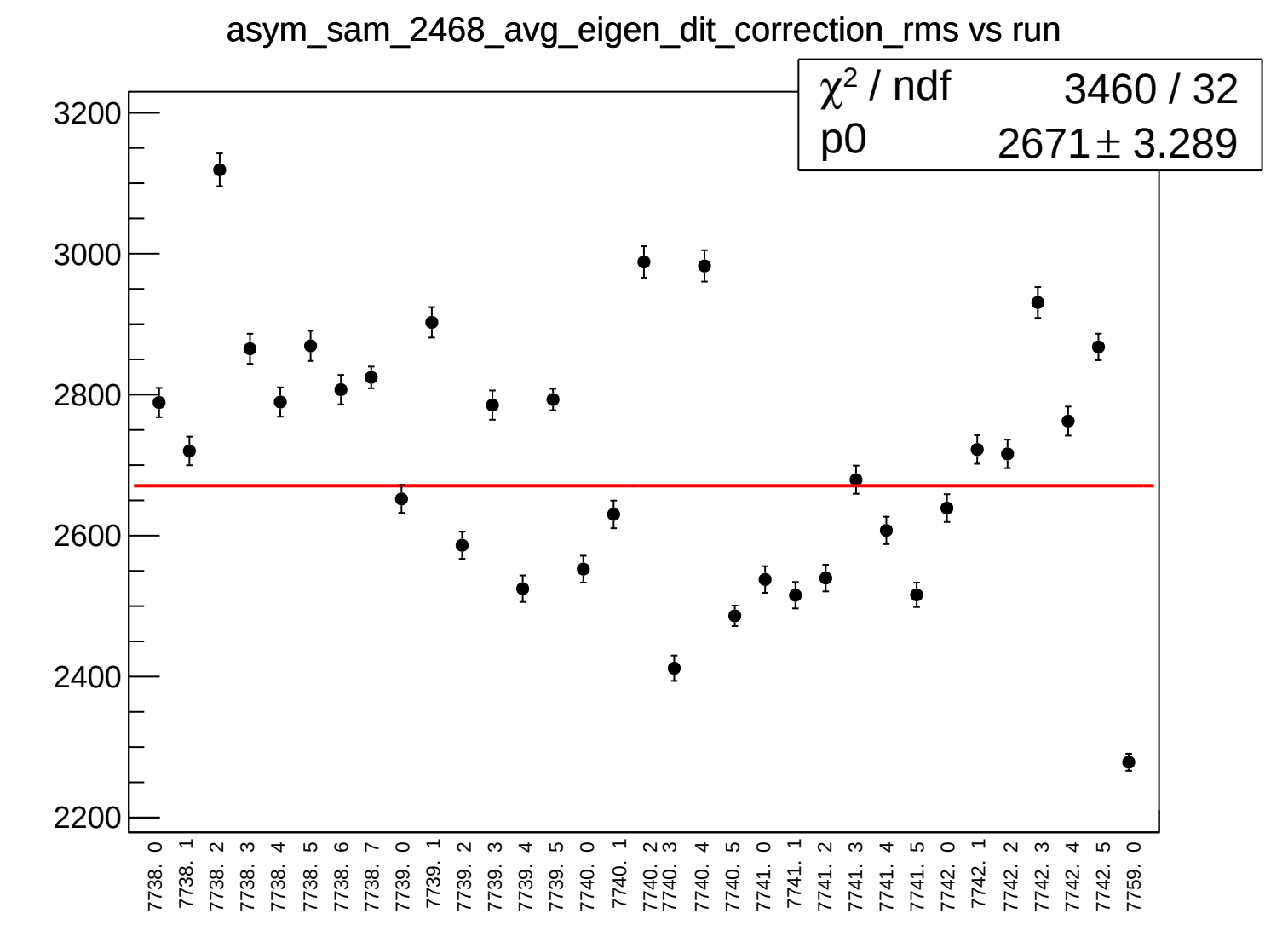

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 26.81 / 32
p0 411.9 ± 427.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.47
Std Dev 40.58
1.5
1
0.5
0
−0.5
−1
−1.5

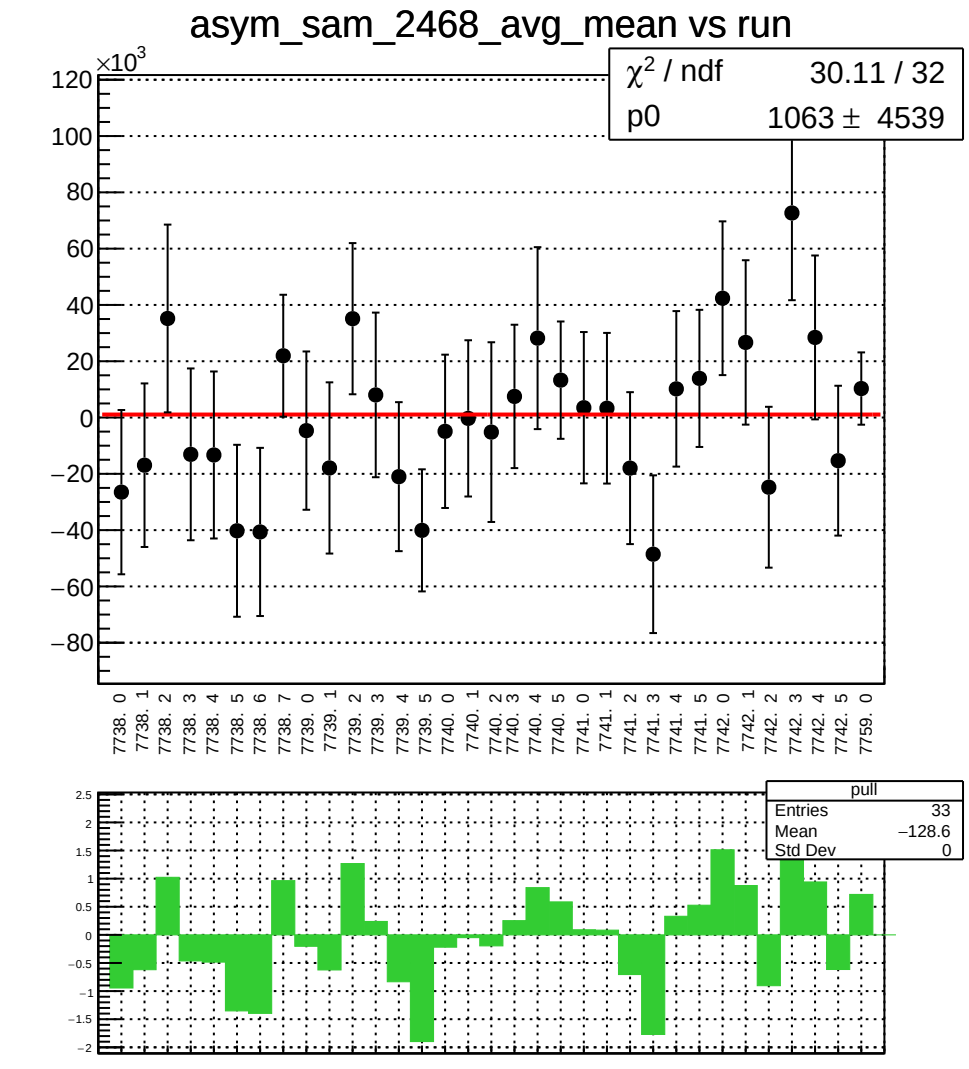

pull1D
Entries 33
Mean −0.00788
Std Dev 0.9014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

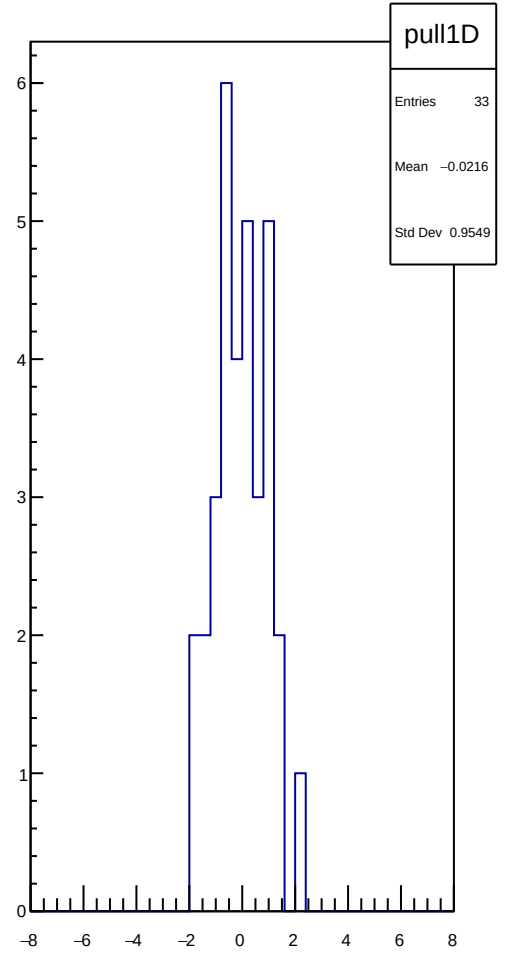

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.506e+04 / 32
p0 243.4 ± 0.3025
600
550
500
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

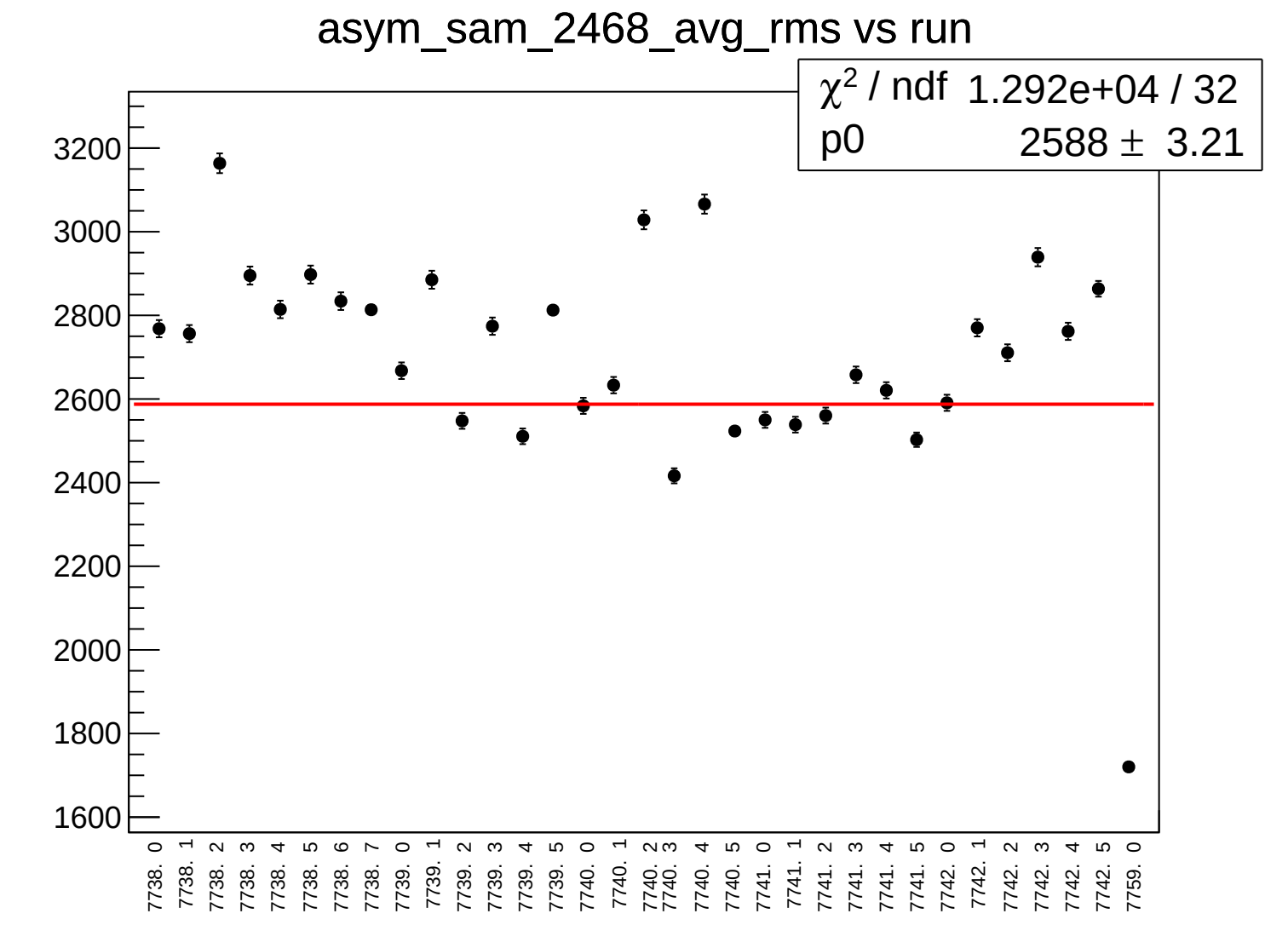

asym_sam_2468_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 31.26 / 32
p0 −264.7 ± 4651
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −321.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

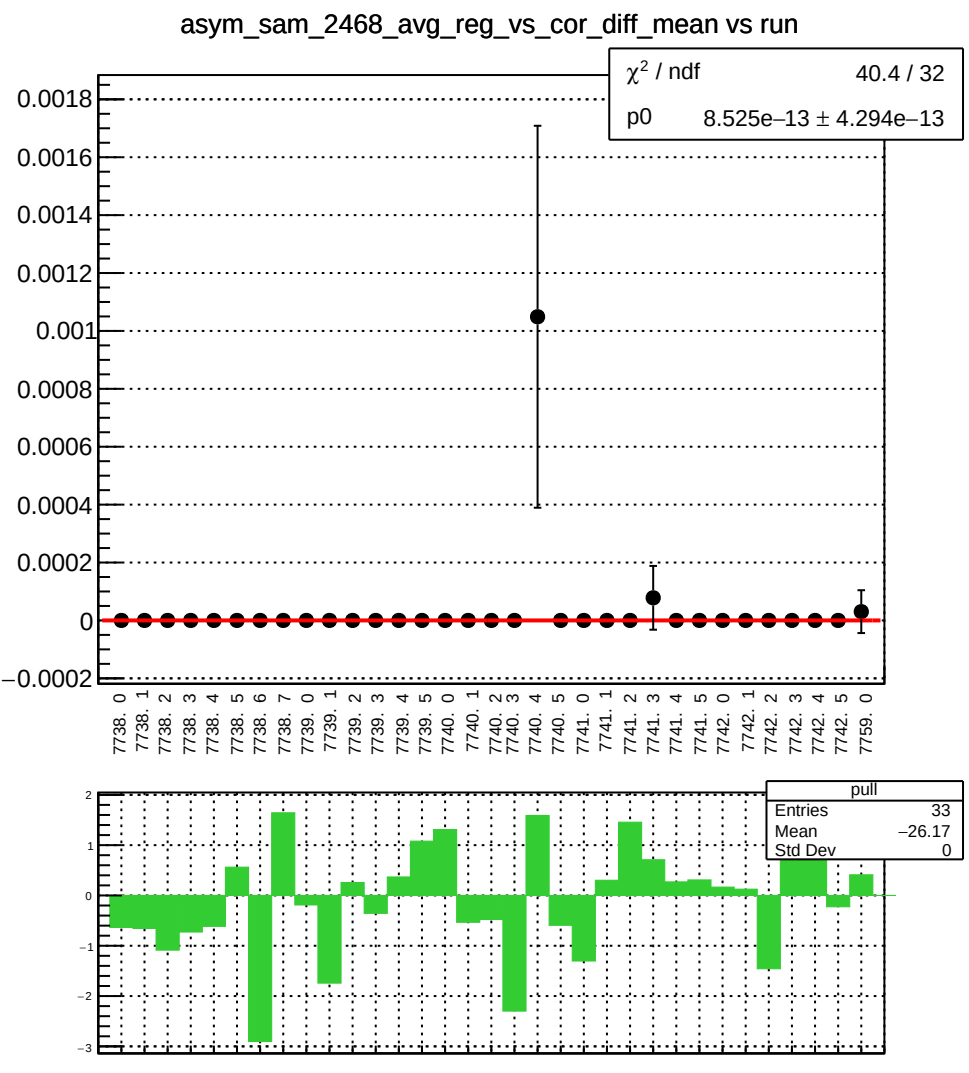

pull1D
Entries 33
Mean 0.009216
Std Dev 0.9732
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

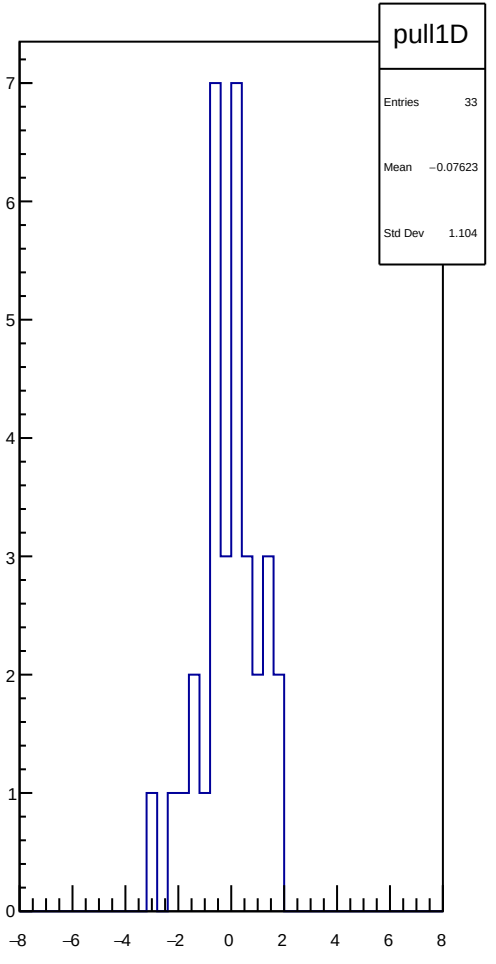

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 3460 / 32
p0 2671 ± 3.289
3200
3000
2800
2600
2400
2200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

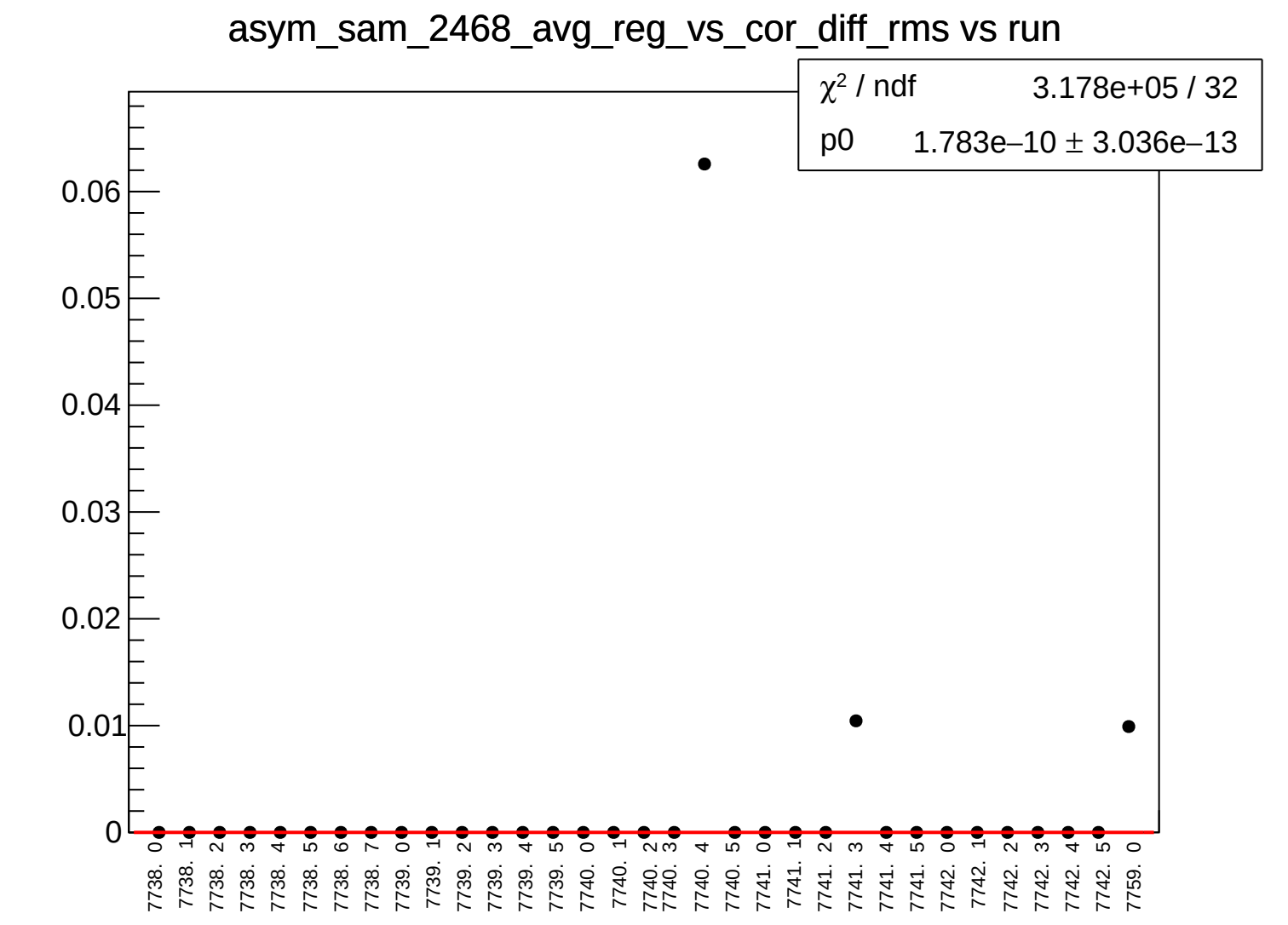

asym_sam_2468_avg_mean vs run
×10^3
χ^2 / ndf 30.11 / 32
p0 1063 ± 4539
120
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −128.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

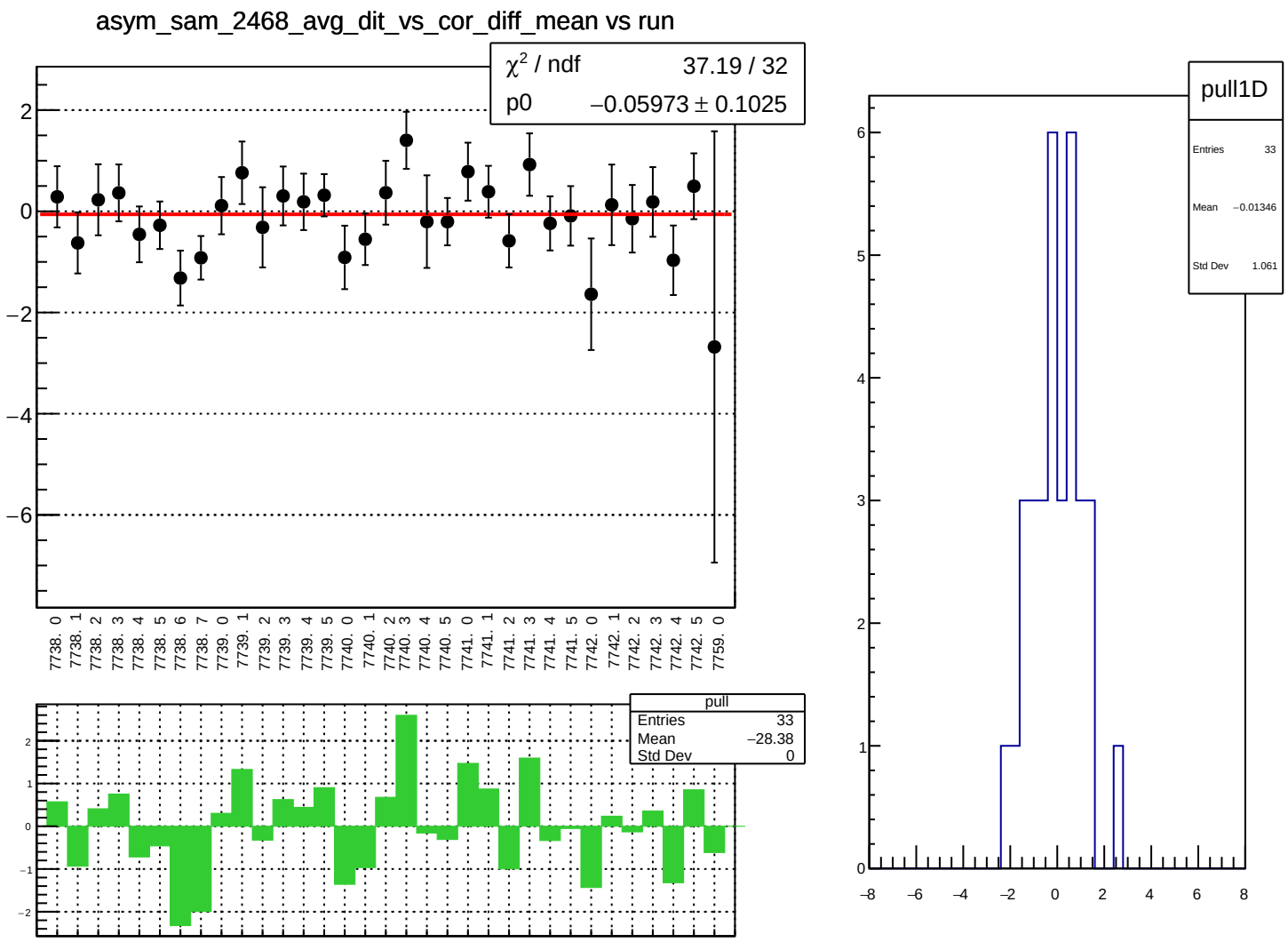

pull1D
Entries 33
Mean −0.0216
Std Dev 0.9549
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

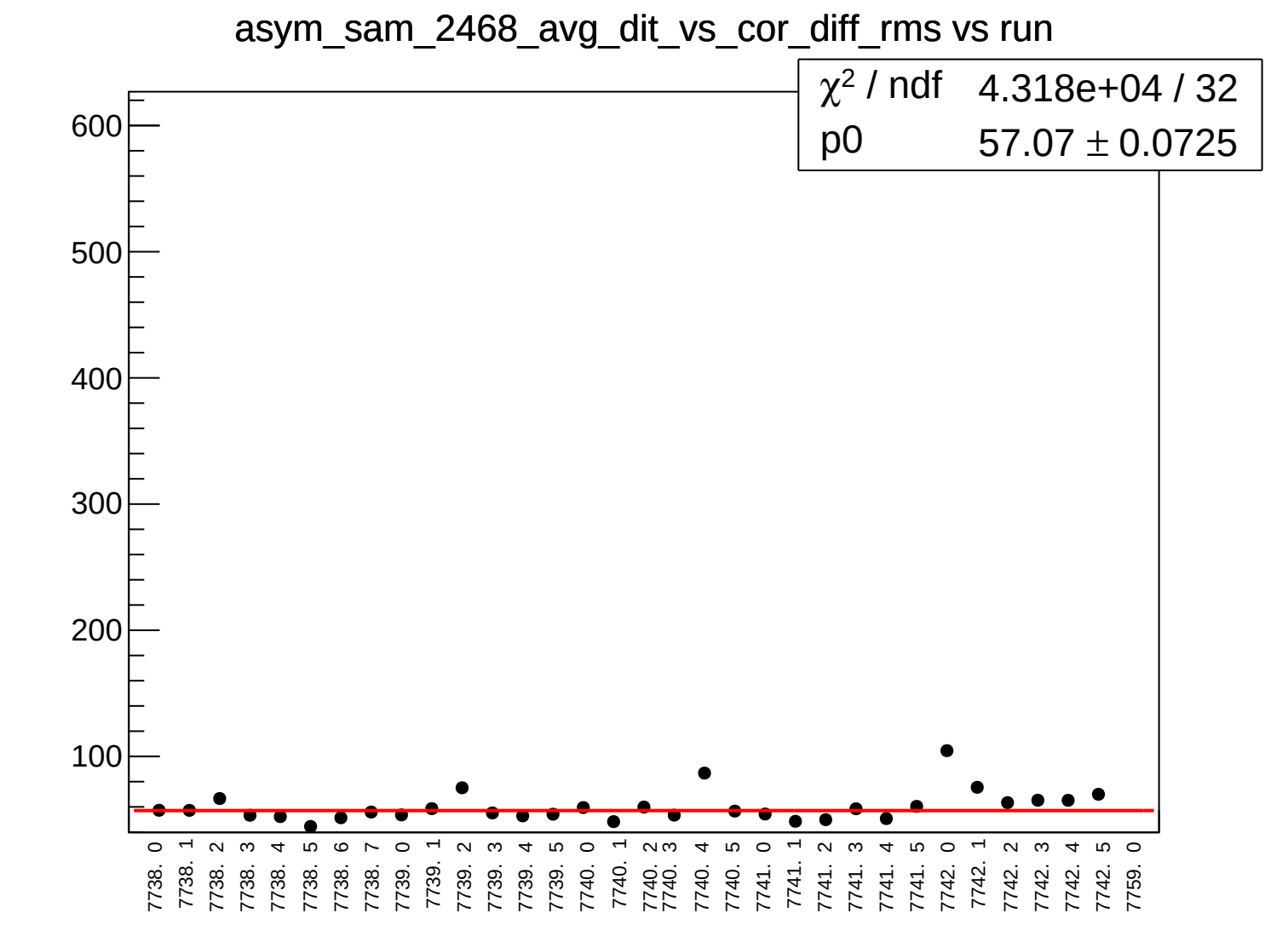

asym_sam_2468_avg_rms vs run
χ² / ndf 1.292e+04 / 32
p0 2588 ± 3.21
3200
3000
2800
2600
2400
2200
2000
1800
1600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

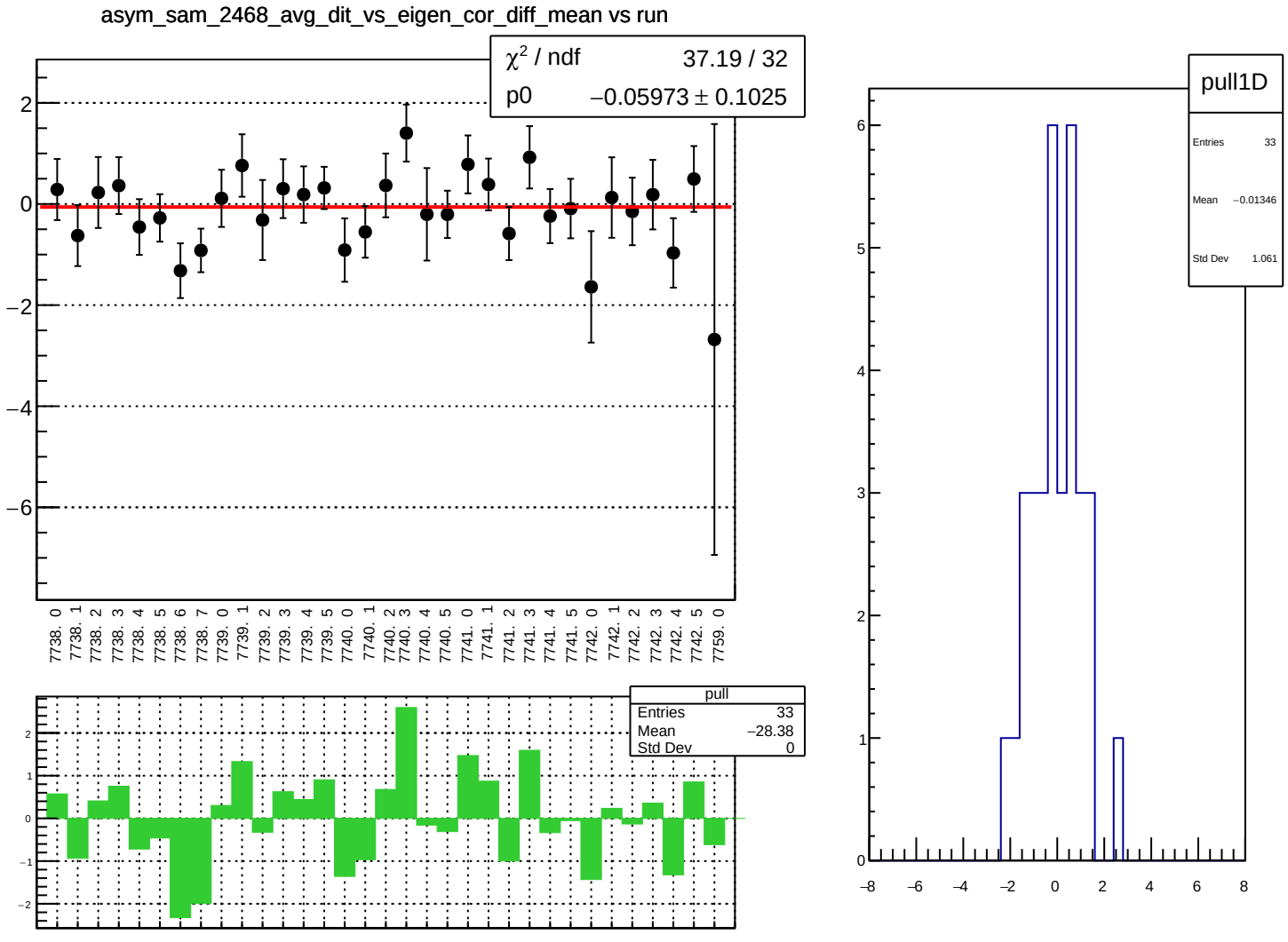

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.4 / 32
p0 8.525e−13 ± 4.294e−13
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −26.17
Std Dev 0
2
1
0
−1
−2
−3

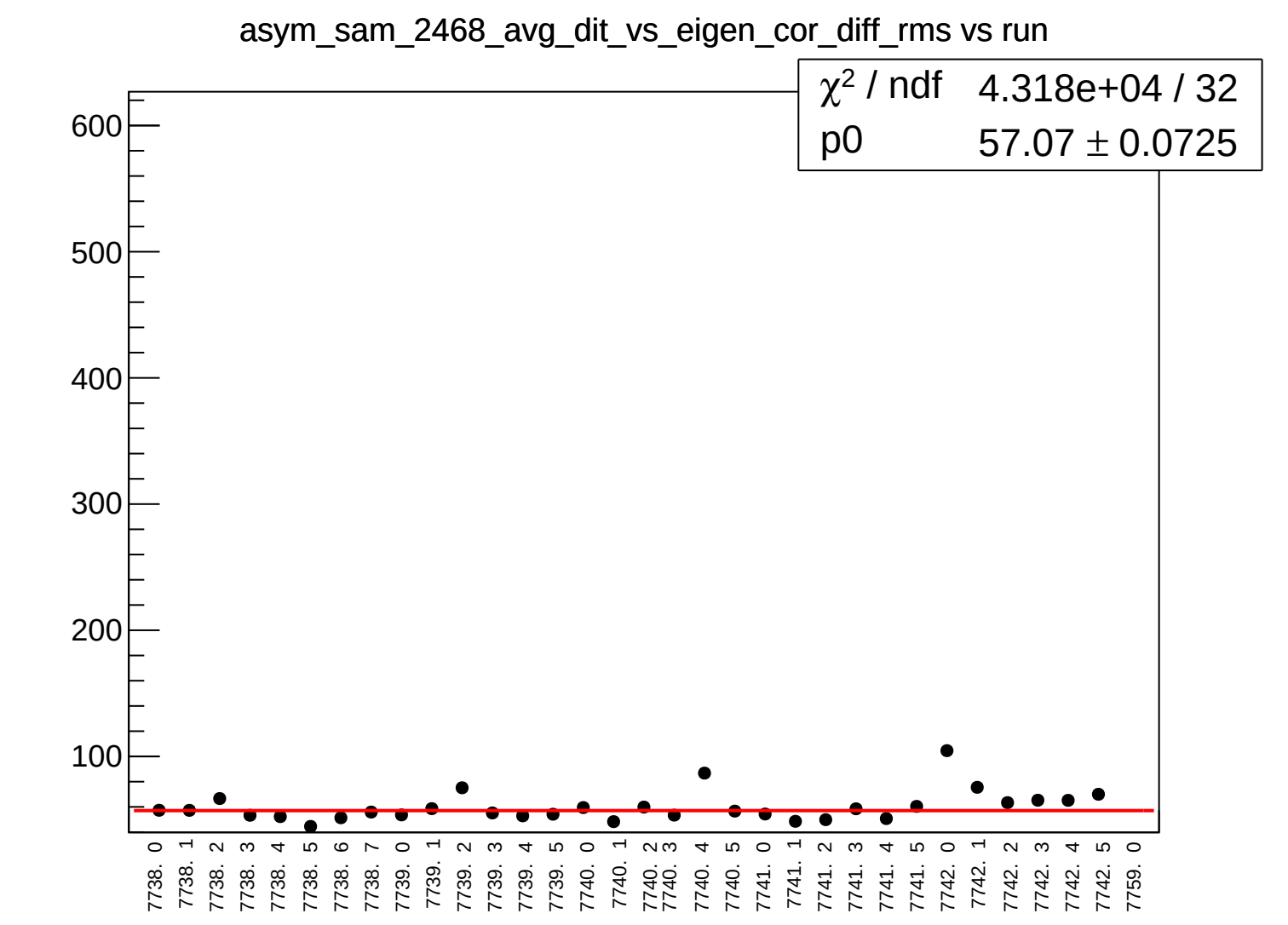

pull1D
Entries 33
Mean −0.07623
Std Dev 1.104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

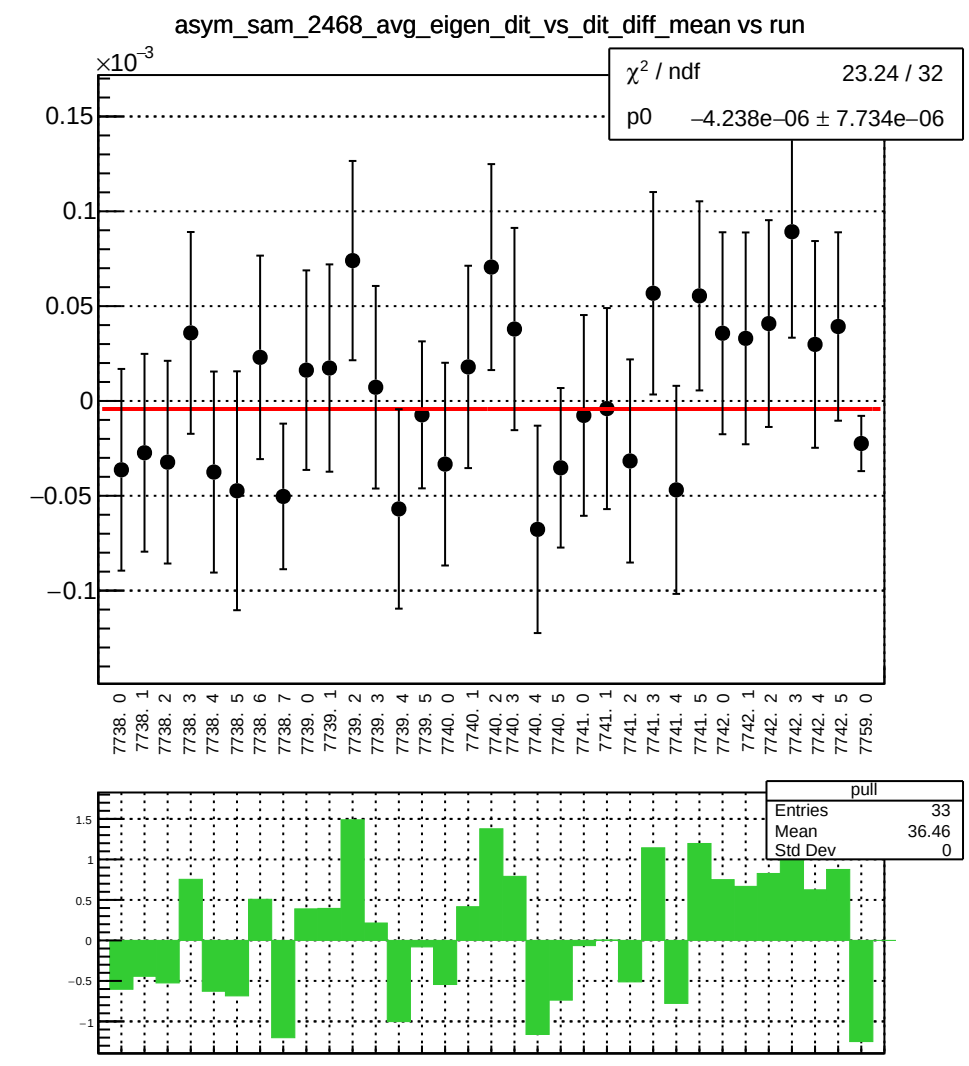

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.178e+05 / 32
p0 1.783e−10 ± 3.036e−13
0.06
0.05
0.04
0.03
0.02
0.01
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

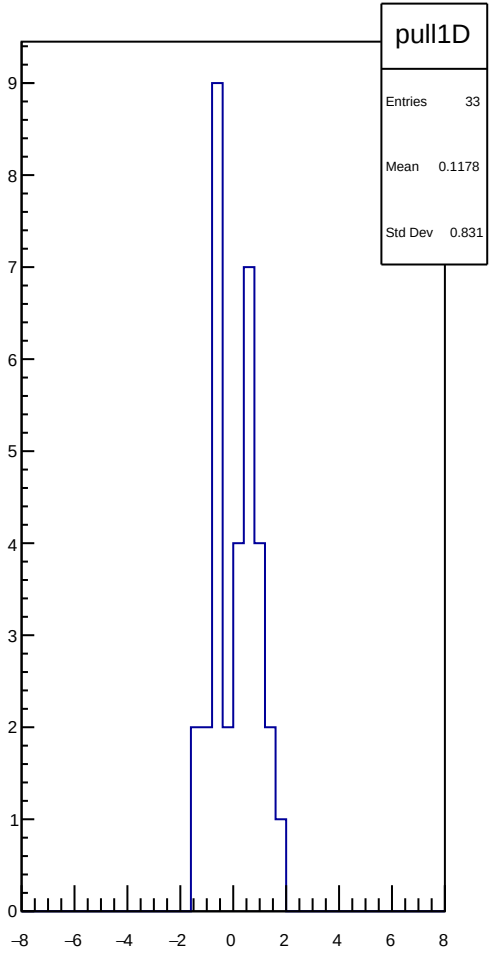

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.19 / 32
p0 −0.05973 ± 0.1025
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.38
Std Dev 0
pull1D
Entries 33
Mean −0.01346
Std Dev 1.061

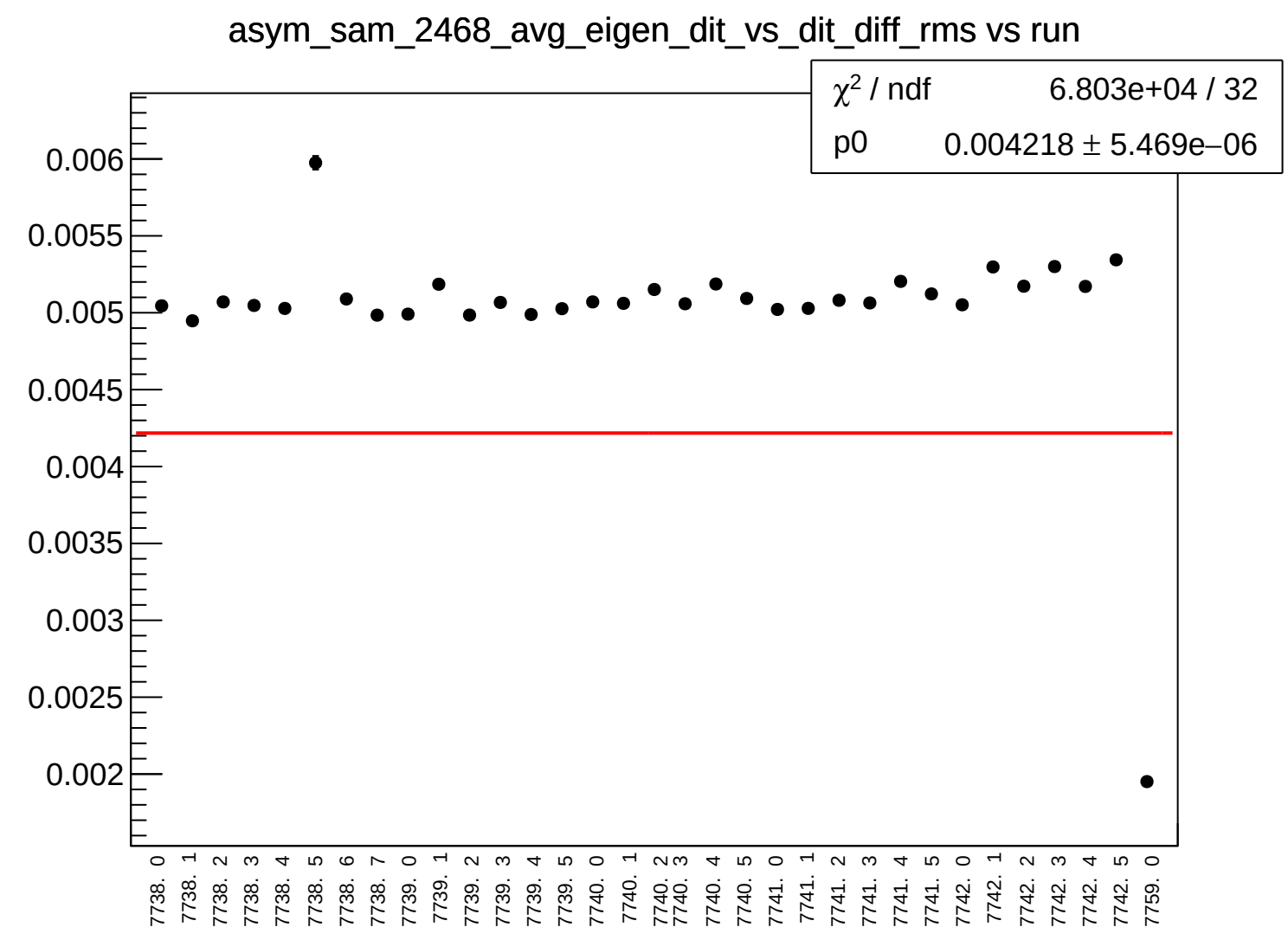

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.318e+04 / 32
p0 57.07 ± 0.0725
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

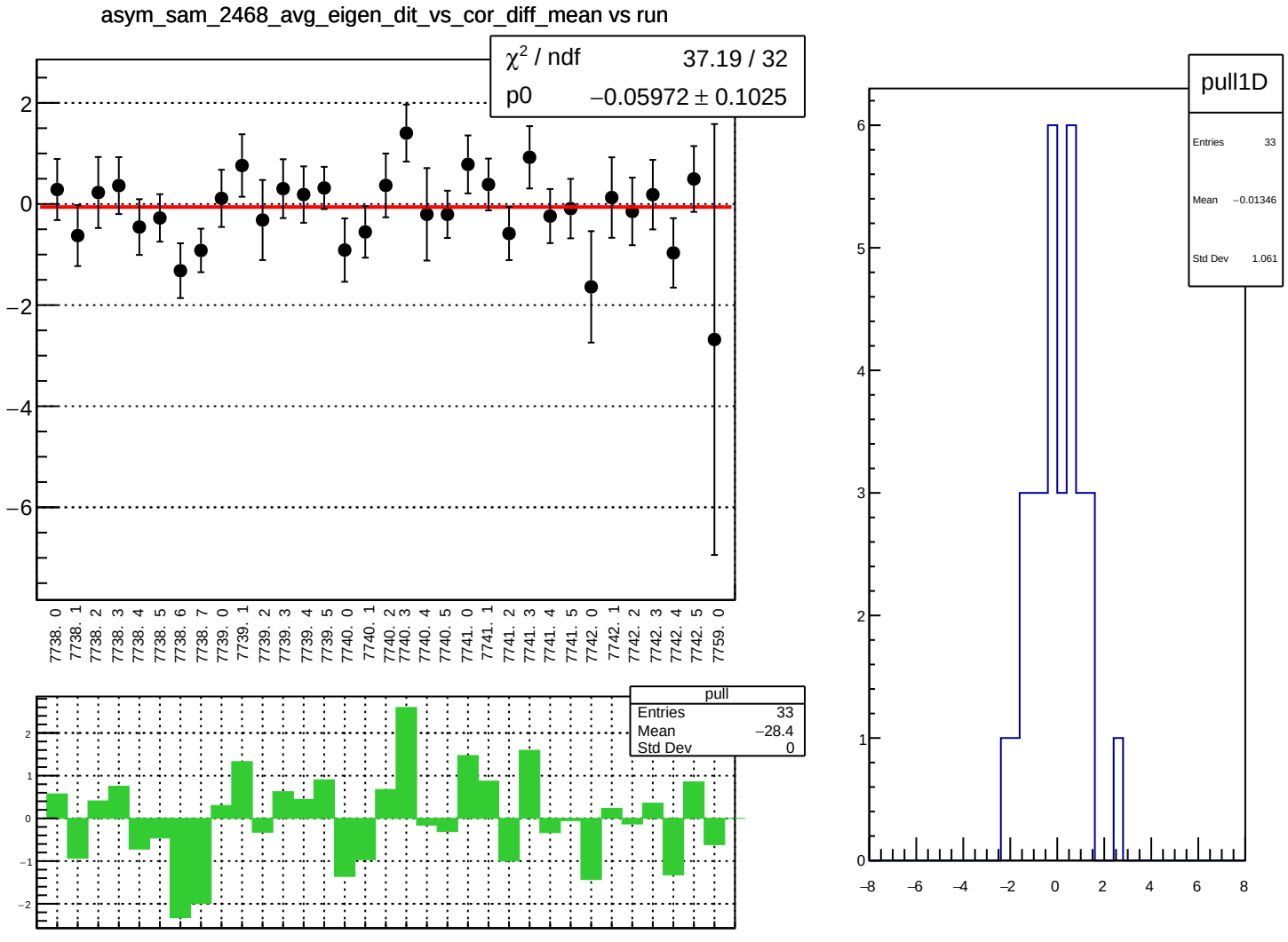

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.19 / 32
p0 −0.05973 ± 0.1025
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.38
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01346
Std Dev 1.061
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

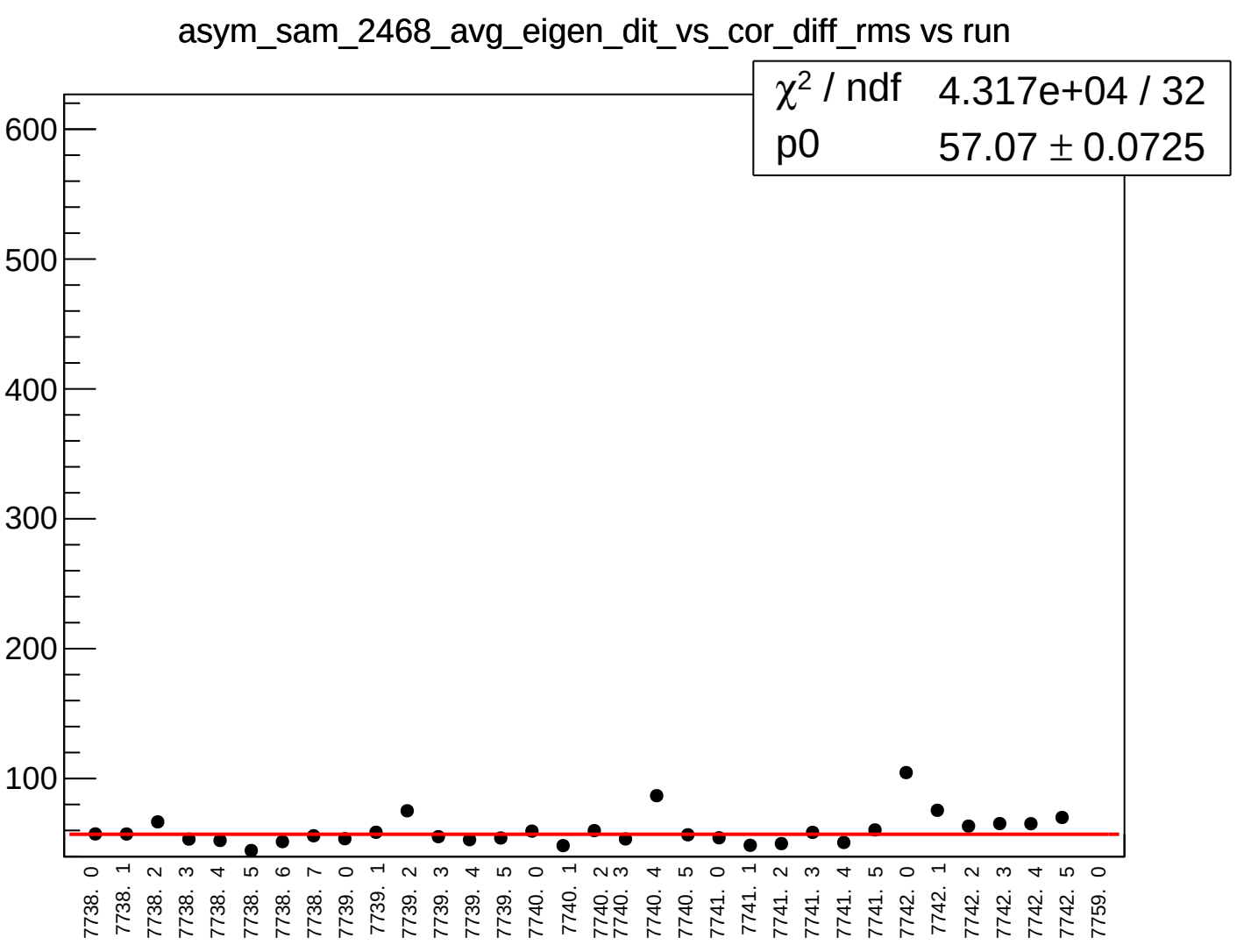

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.318e+04 / 32
p0 57.07 ± 0.0725
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

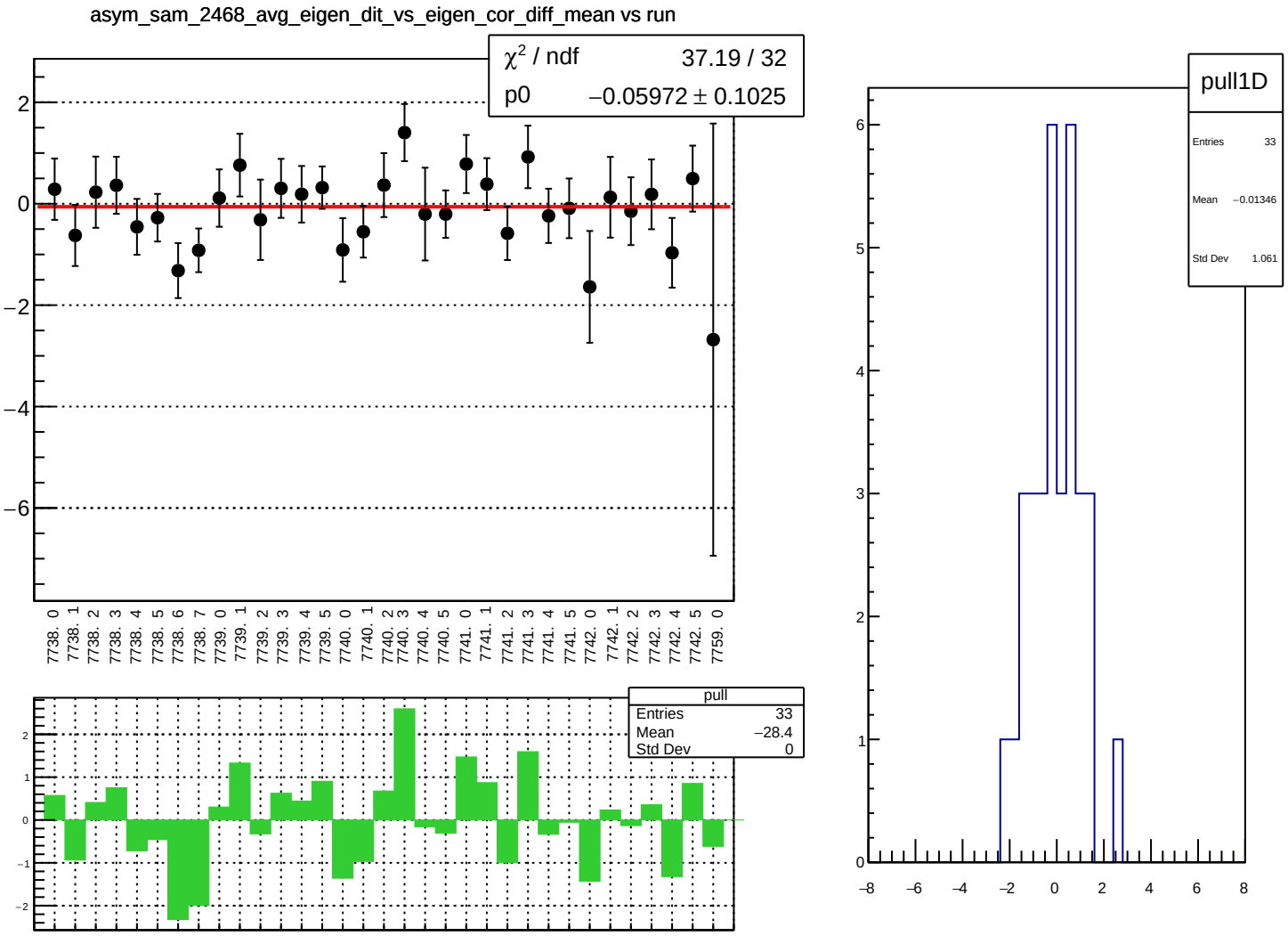

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 23.24 / 32
p0 −4.238e−06 ± 7.734e−06
0.15
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 36.46
Std Dev 0
1.5
1
0.5
0
−0.5
−1

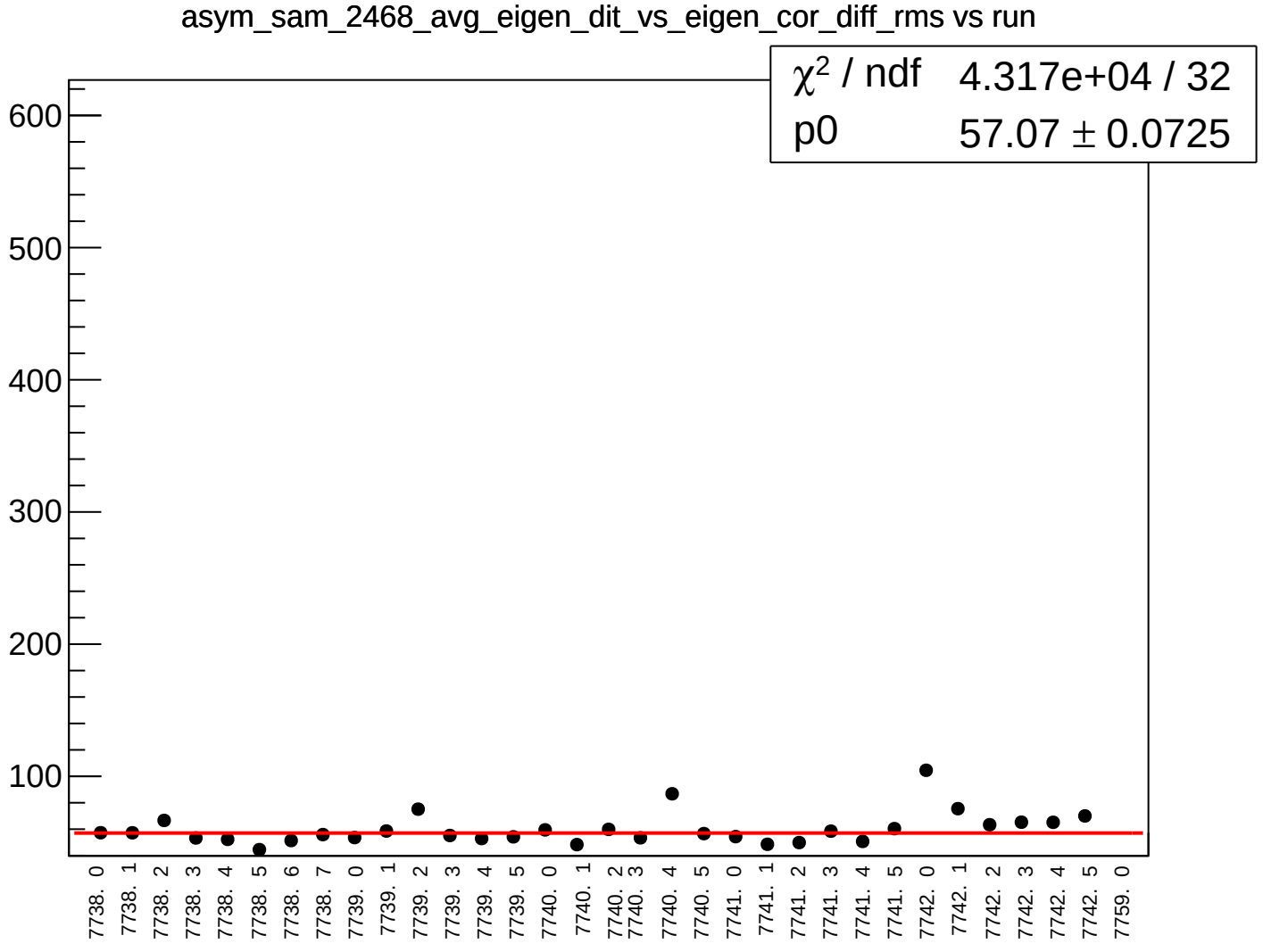

pull1D
Entries 33
Mean 0.1178
Std Dev 0.831
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

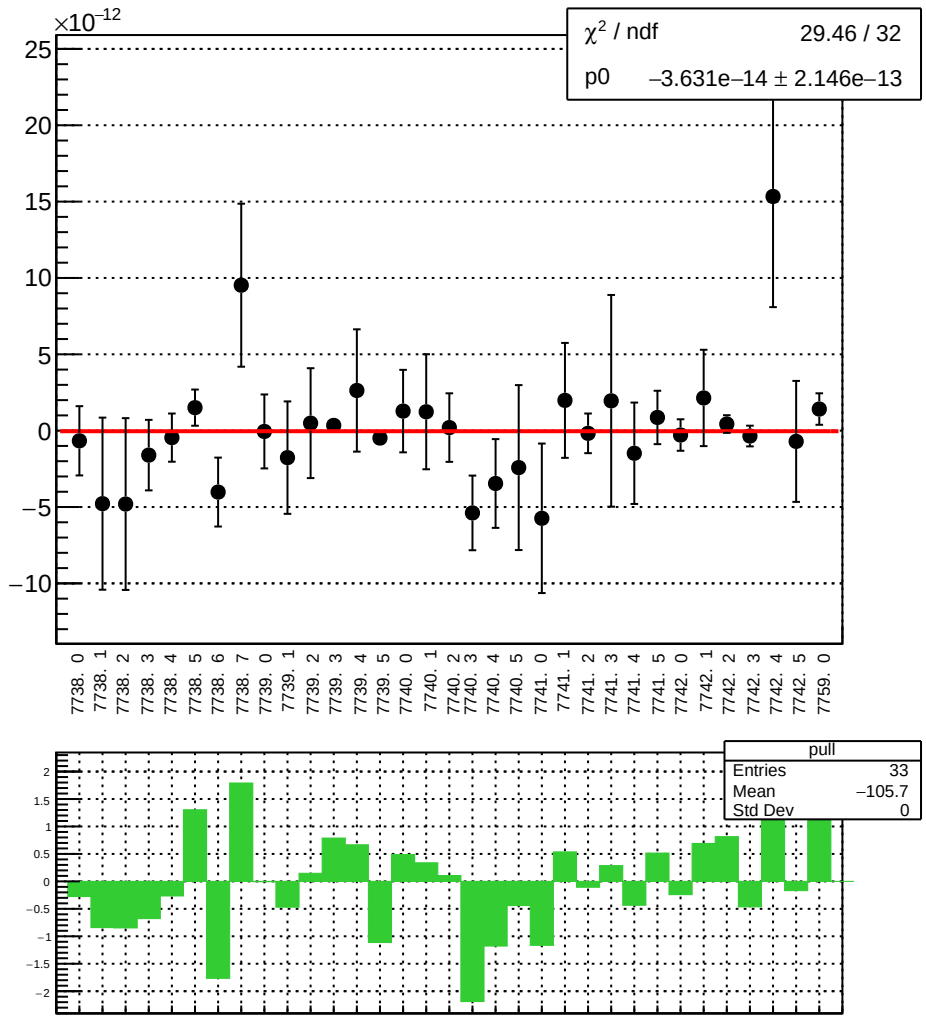

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.803e+04 / 32
p0 0.004218 ± 5.469e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

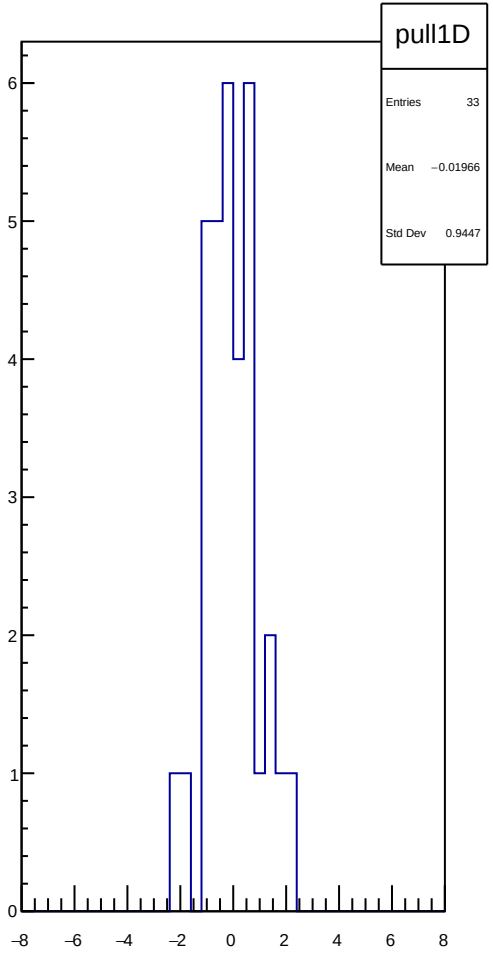

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.19 / 32
p0 −0.05972 ± 0.1025
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.4
Std Dev 0
pull1D
Entries 33
Mean −0.01346
Std Dev 1.061
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

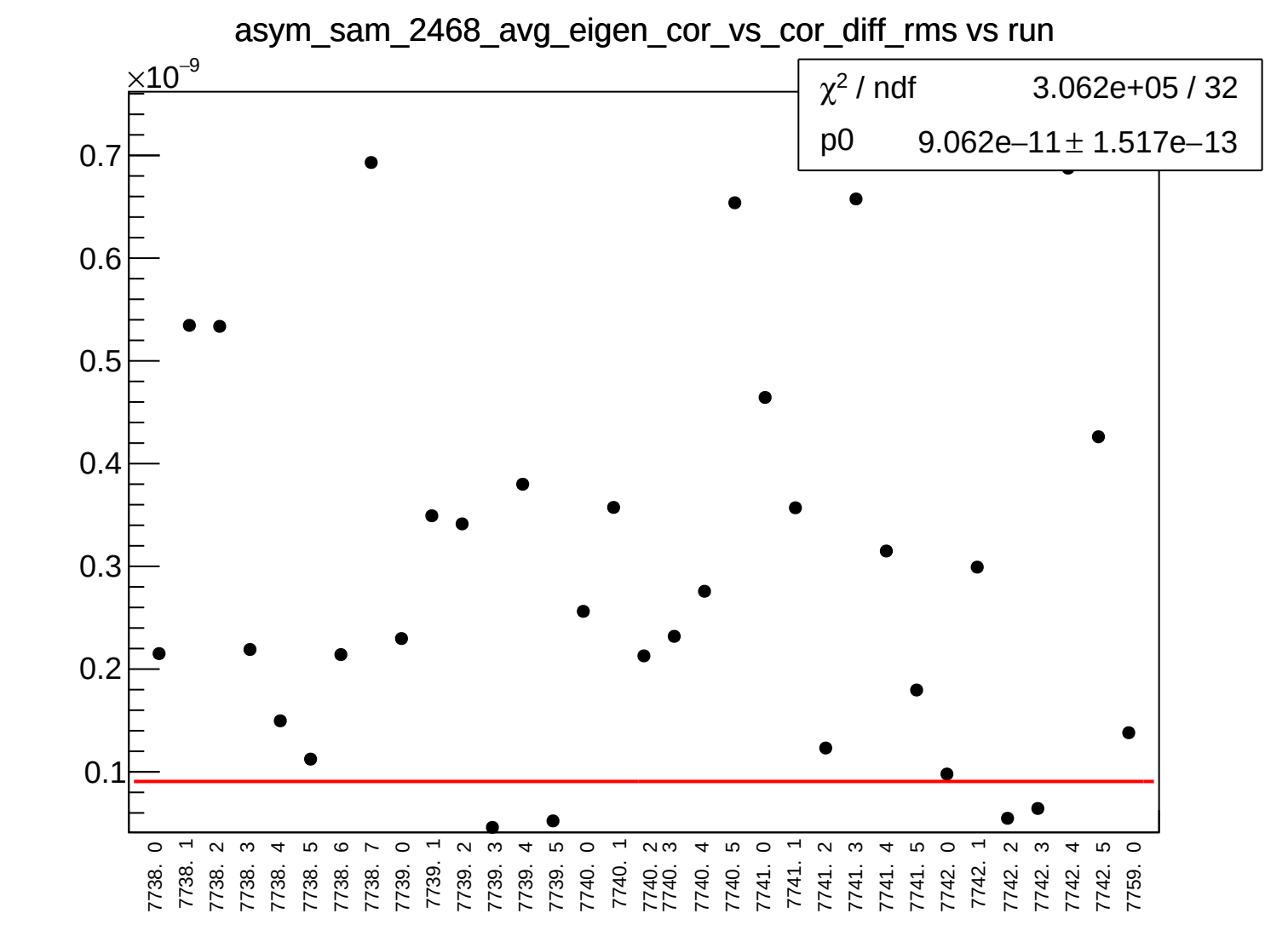

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.317e+04 / 32
p0 57.07 ± 0.0725
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

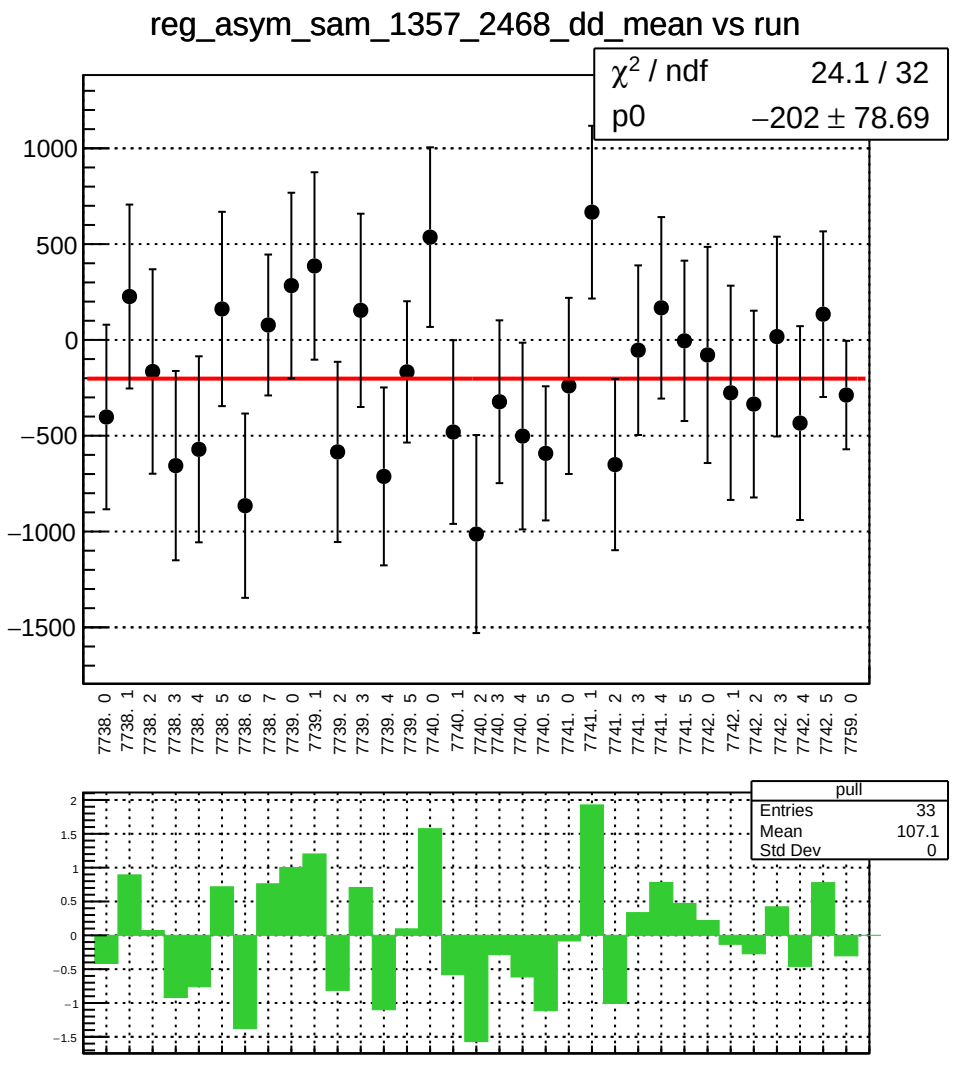

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.19 / 32
p0 −0.05972 ± 0.1025
pull
Entries 33
Mean −28.4
Std Dev 0
pull1D
Entries 33
Mean −0.01346
Std Dev 1.061

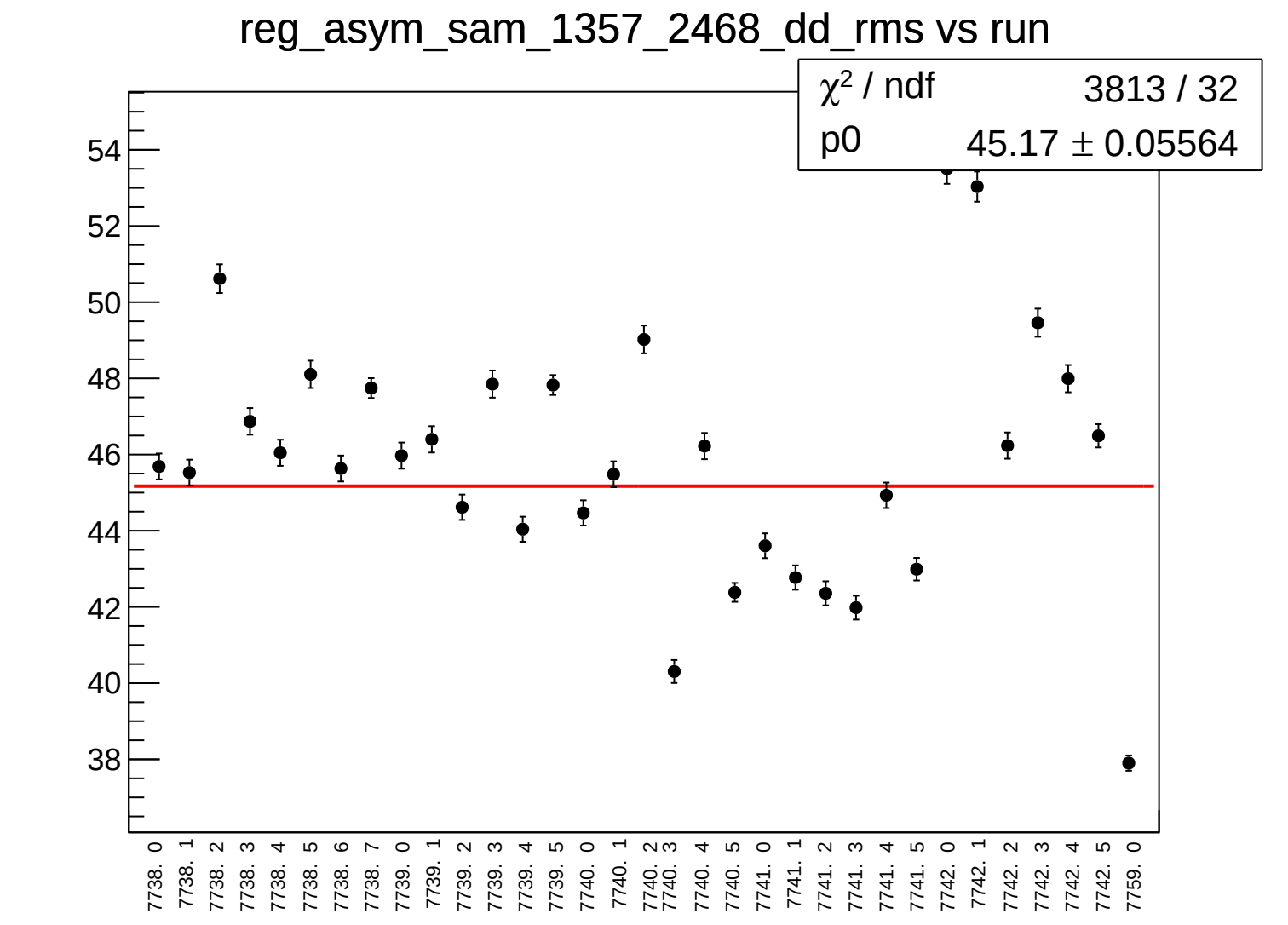

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.317e+04 / 32
p0 57.07 ± 0.0725
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

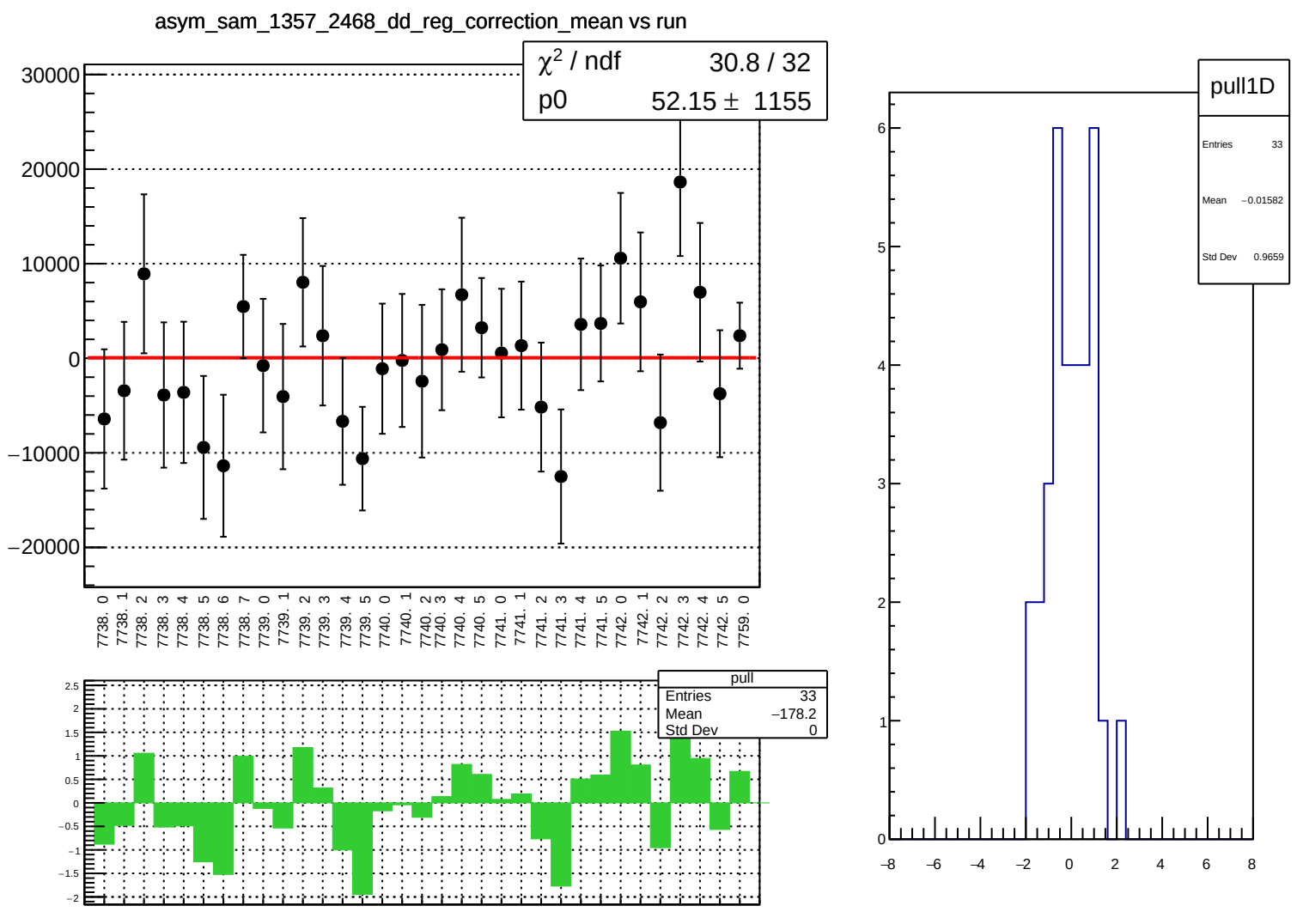

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 29.46 / 32
p0 −3.631e−14 ± 2.146e−13
25
20
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −105.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

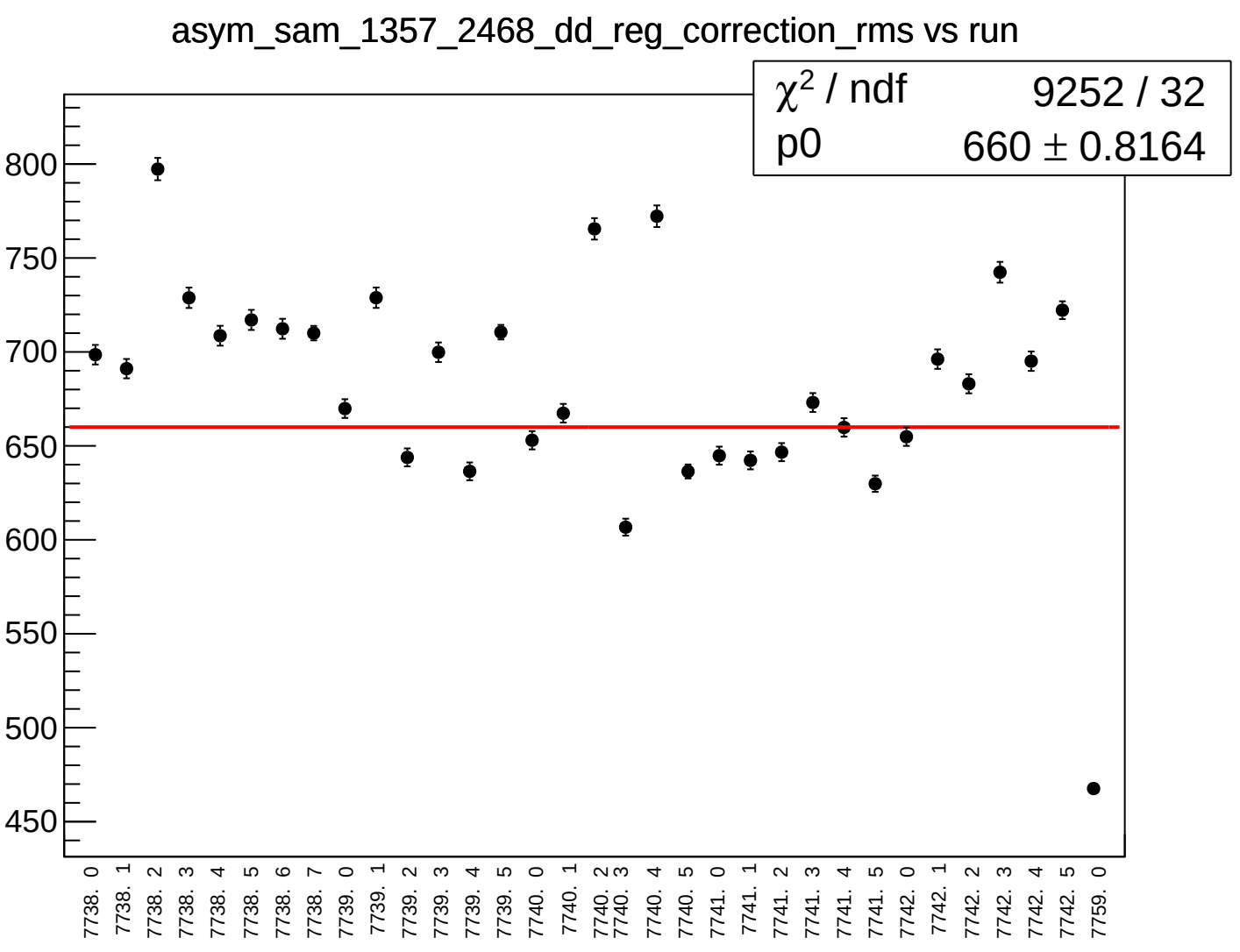

pull1D
Entries 33
Mean −0.01966
Std Dev 0.9447
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

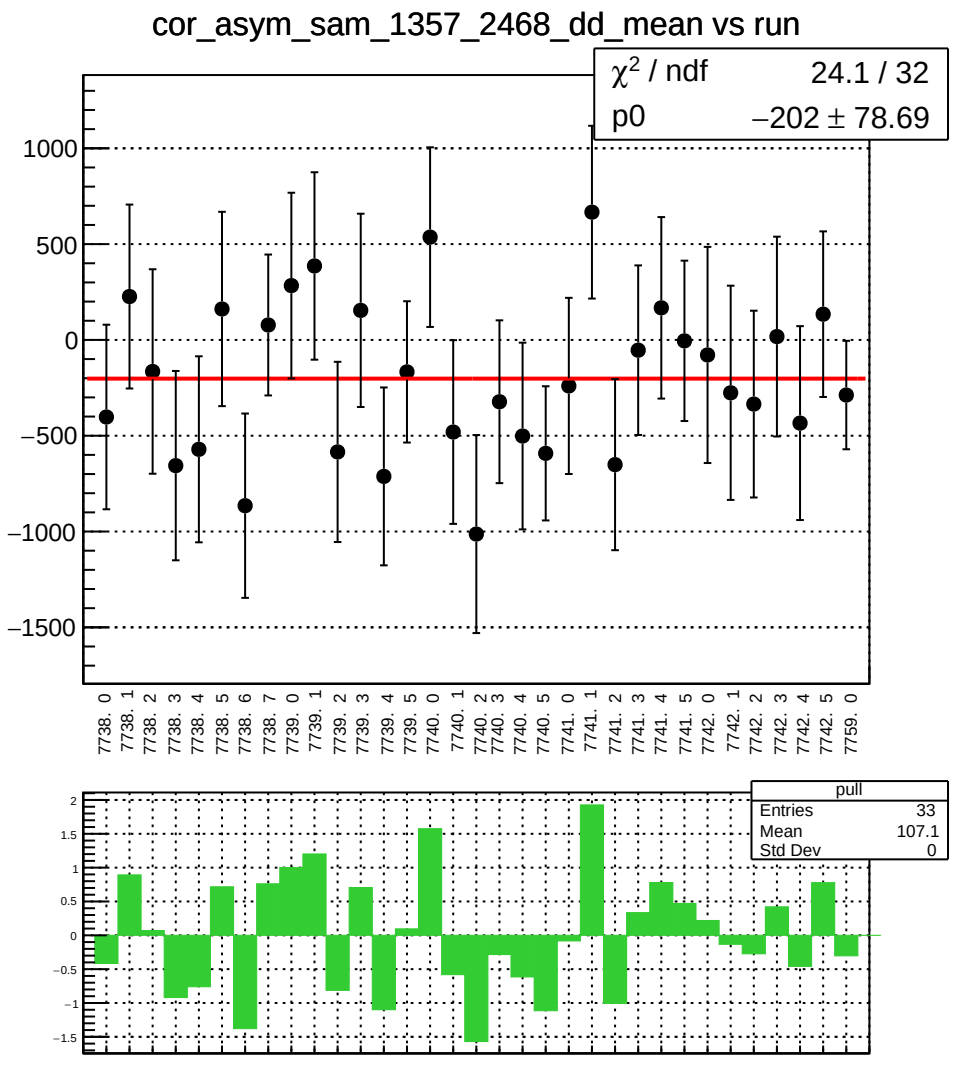

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.062e+05 / 32
p0 9.062e−11 ± 1.517e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

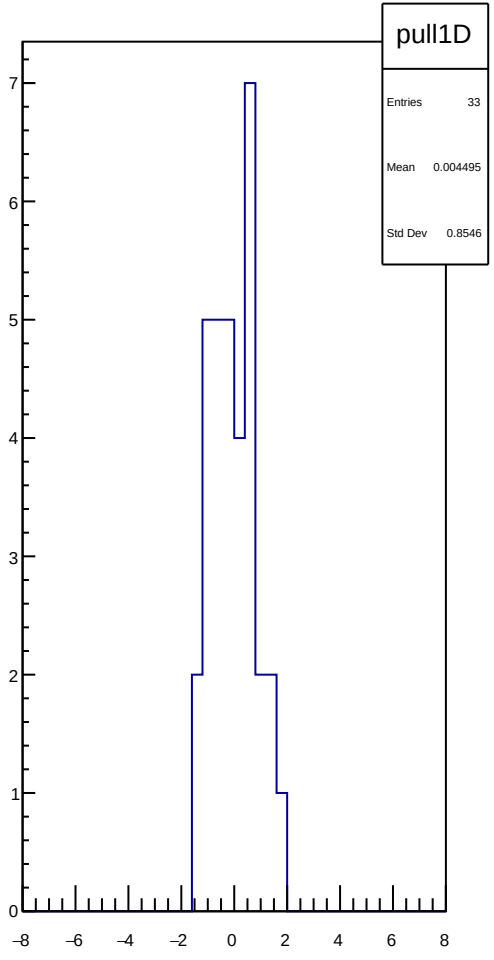

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 24.1 / 32
p0 −202 ± 78.69
1000
500
0
−500
−1000
−1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.004495
Std Dev 0.8546
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

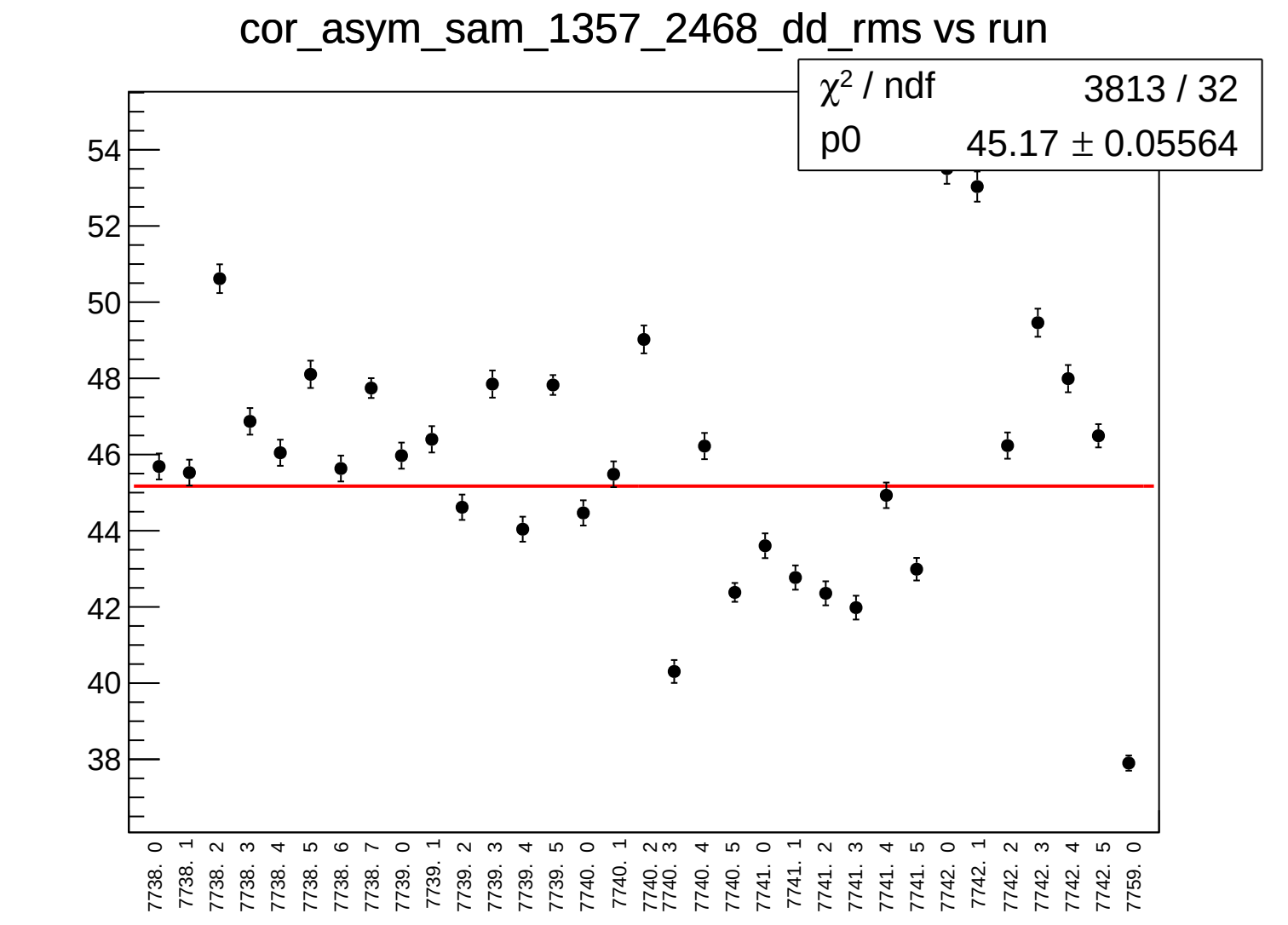

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3813 / 32
p0 45.17 ± 0.05564
54
52
50
48
46
44
42
40
38
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

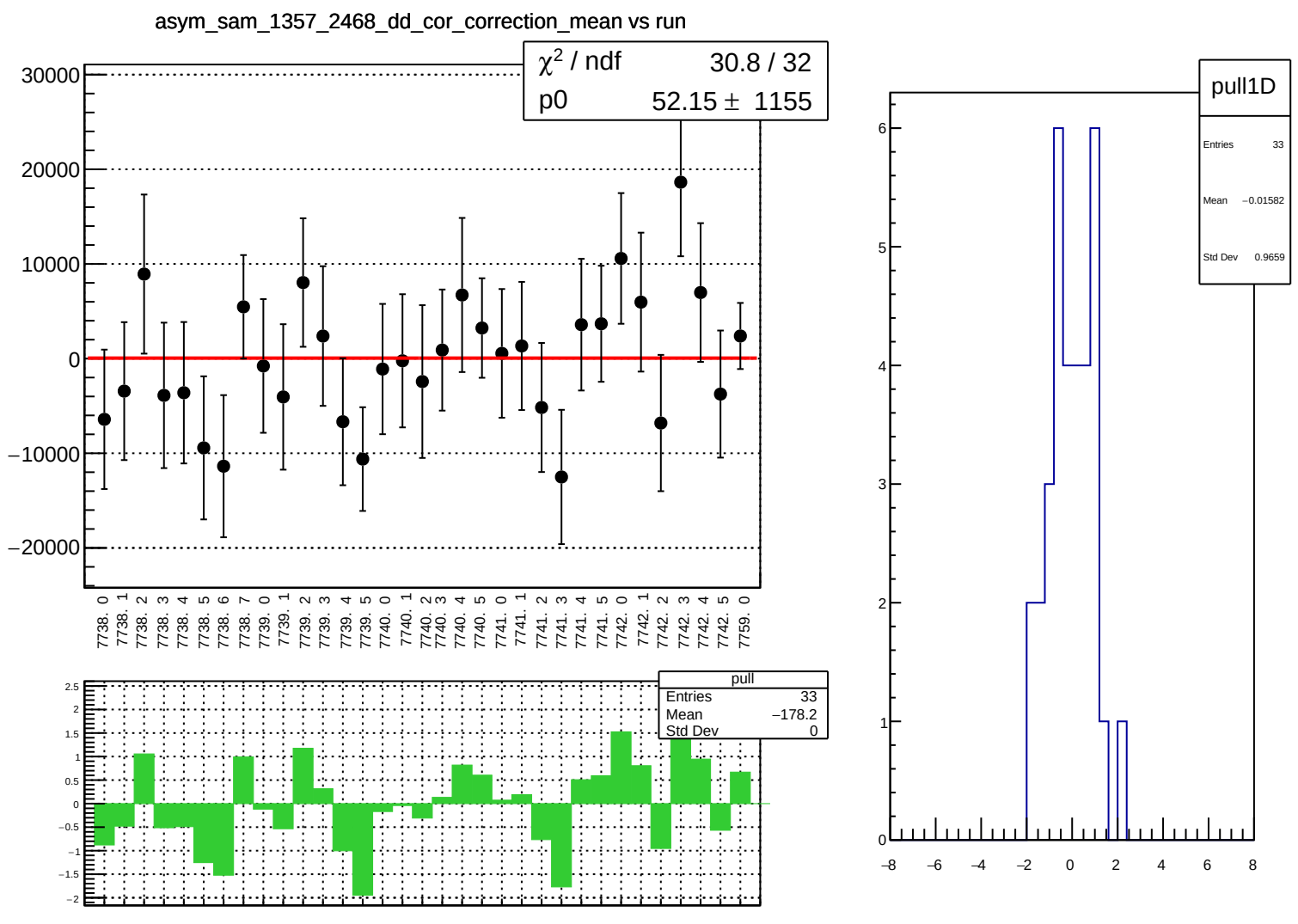

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 30.8 / 32
p0 52.15 ± 1155
30000
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −178.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01582
Std Dev 0.9659
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

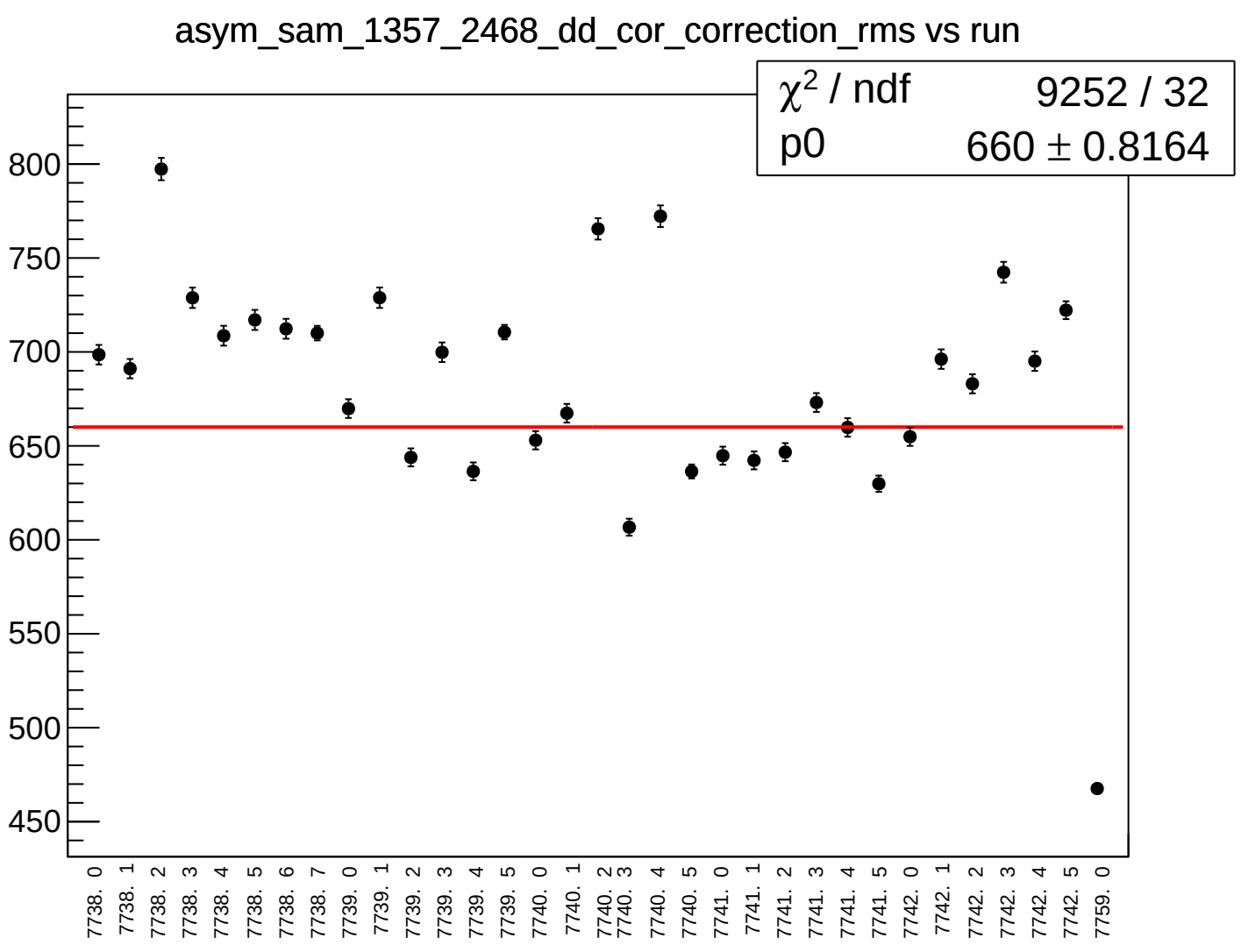

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 9252 / 32
p0 660 ± 0.8164
800
750
700
650
600
550
500
450
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

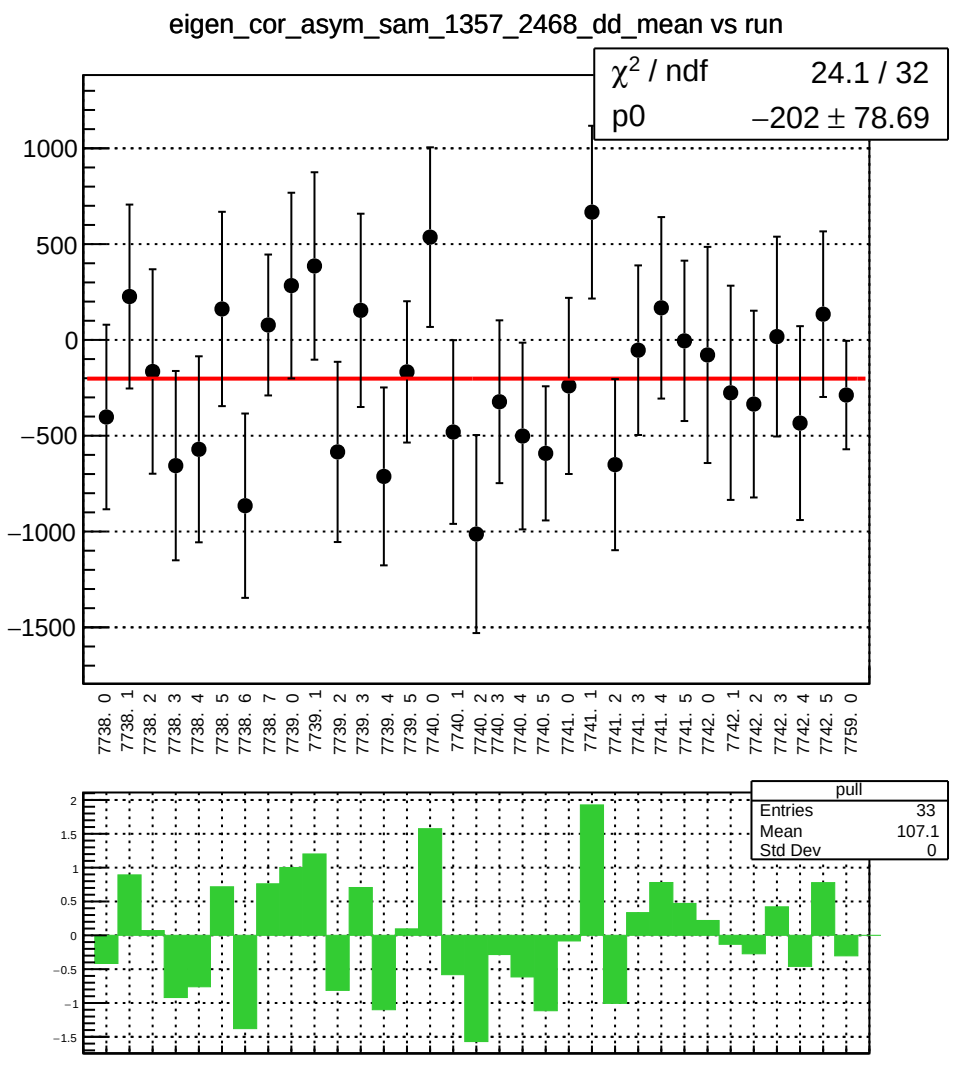

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 24.1 / 32
p0 −202 ± 78.69
1000
500
0
−500
−1000
−1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

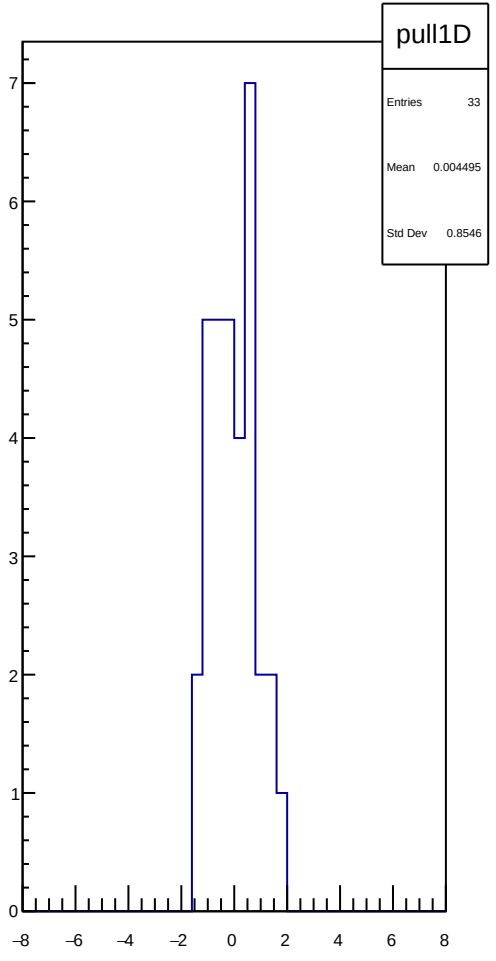

pull1D
Entries 33
Mean 0.004495
Std Dev 0.8546
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

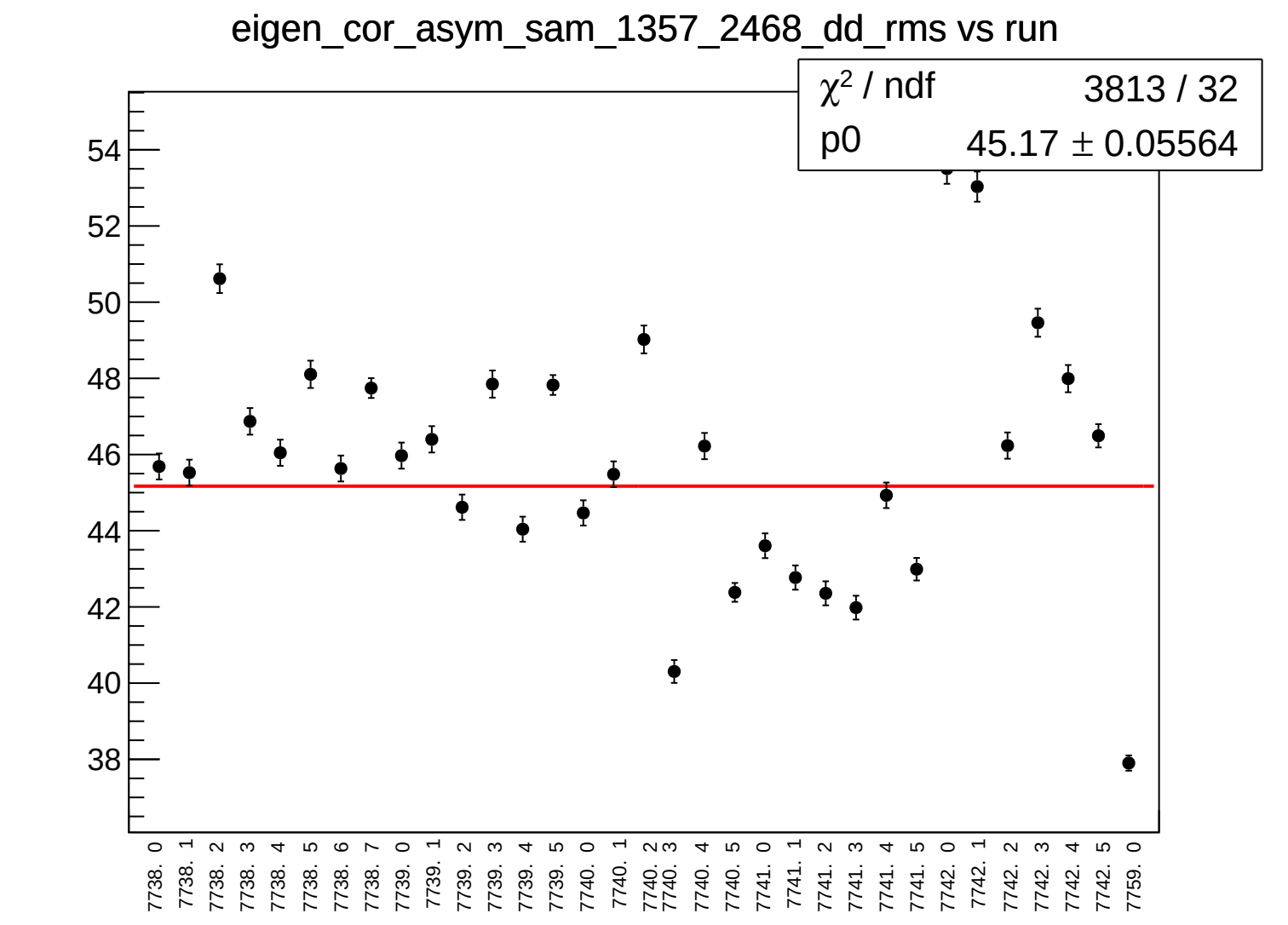

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3813 / 32
p0 45.17 ± 0.05564
54
52
50
48
46
44
42
40
38
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

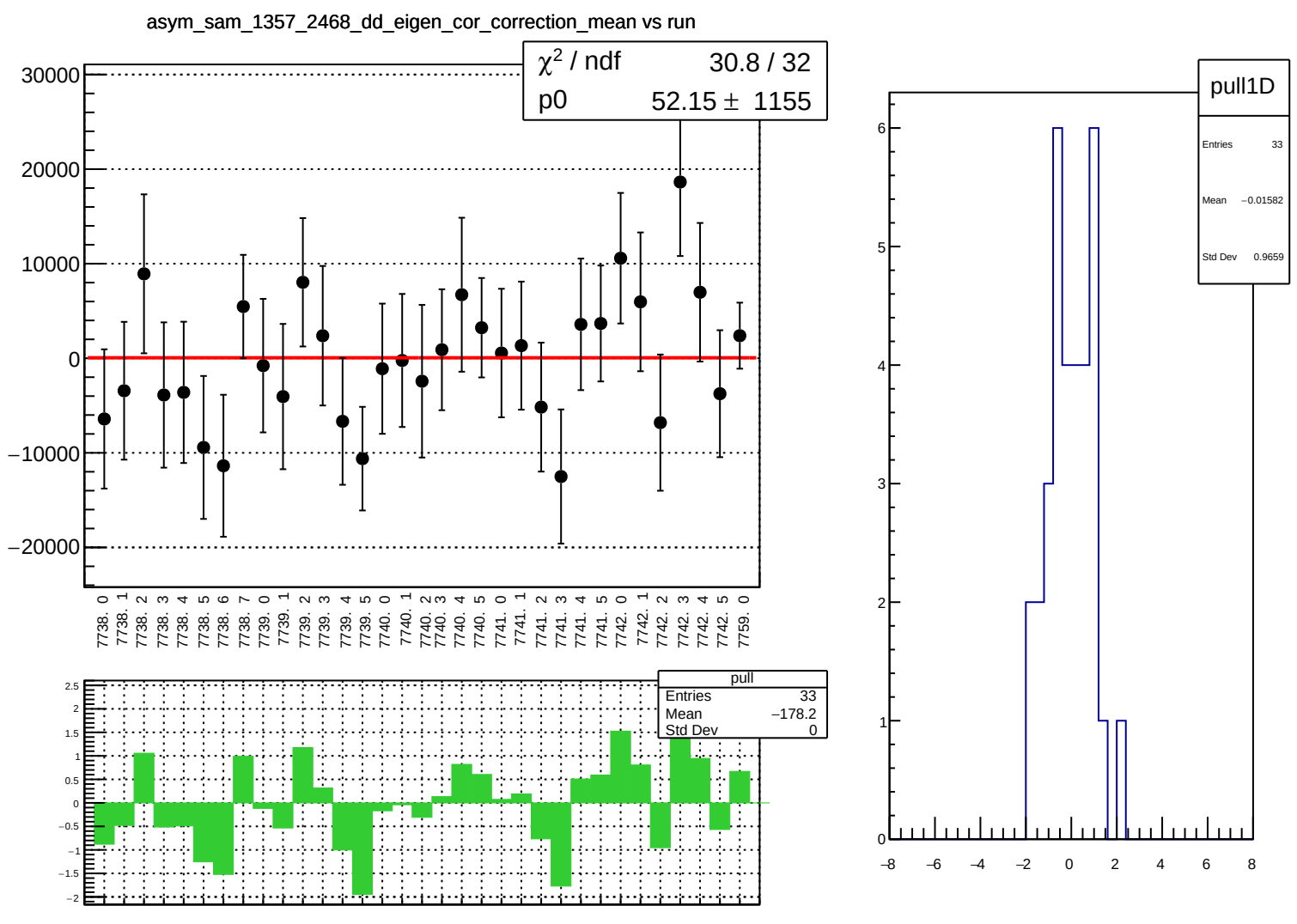

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 30.8 / 32
p0 52.15 ± 1155
30000
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −178.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01582
Std Dev 0.9659
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

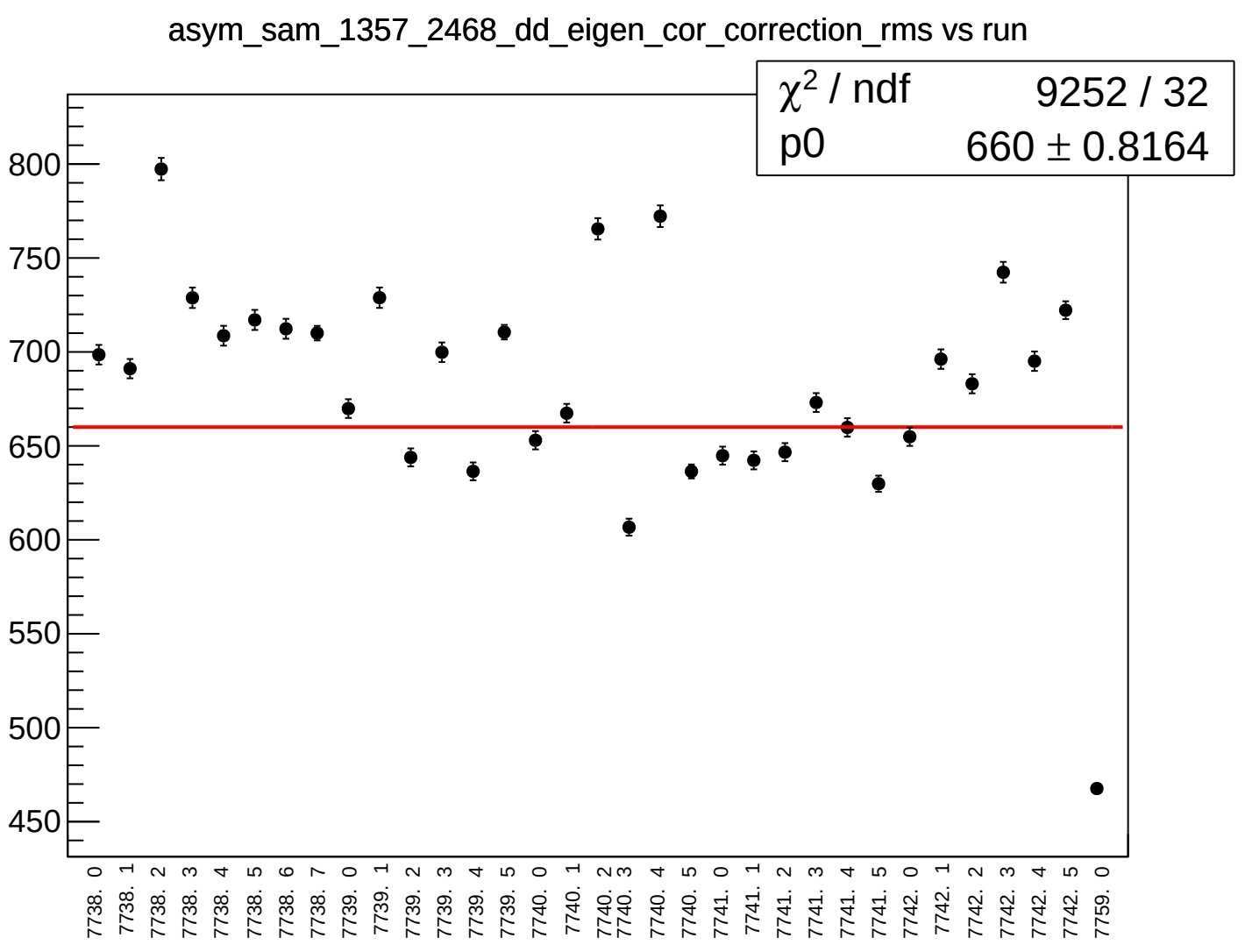

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 9252 / 32
p0 660 ± 0.8164
800
750
700
650
600
550
500
450
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

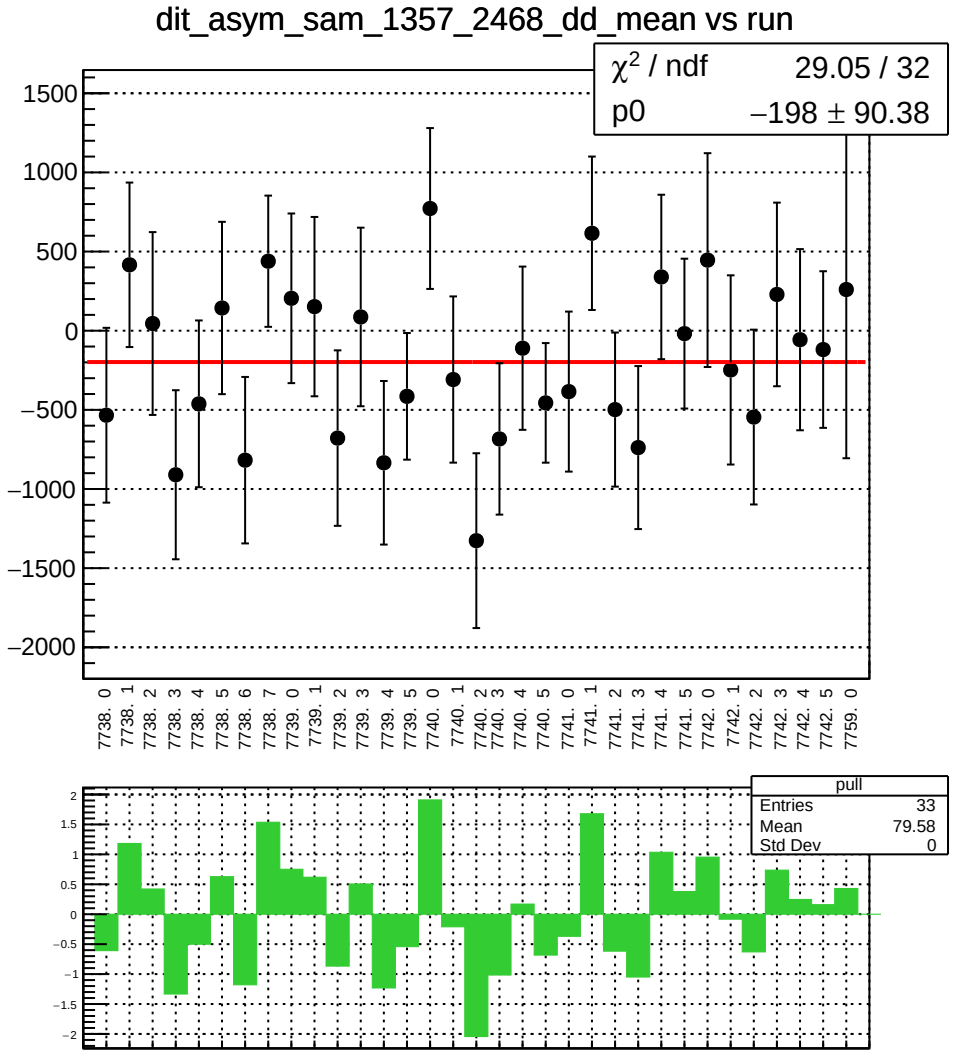

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 24.1 / 32
p0 −202 ± 78.69
1000
500
0
−500
−1000
−1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 107.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

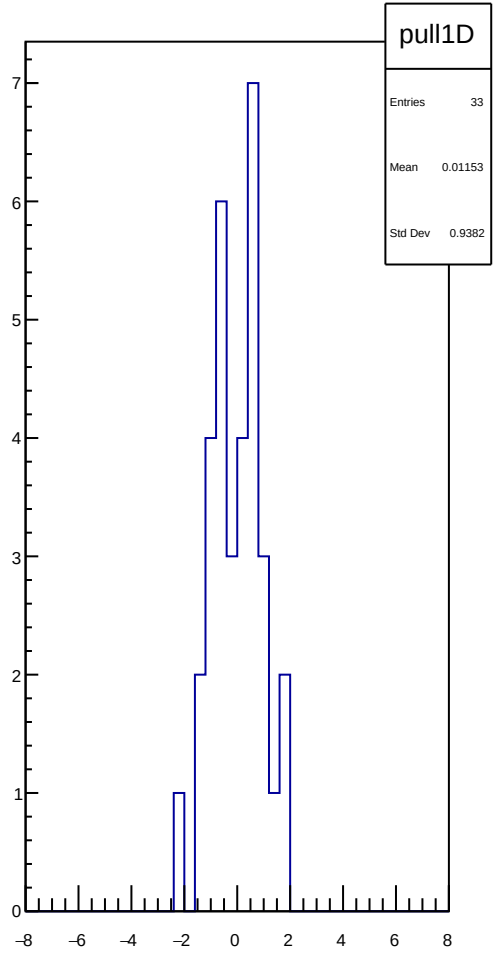

pull1D
Entries 33
Mean 0.004495
Std Dev 0.8546
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

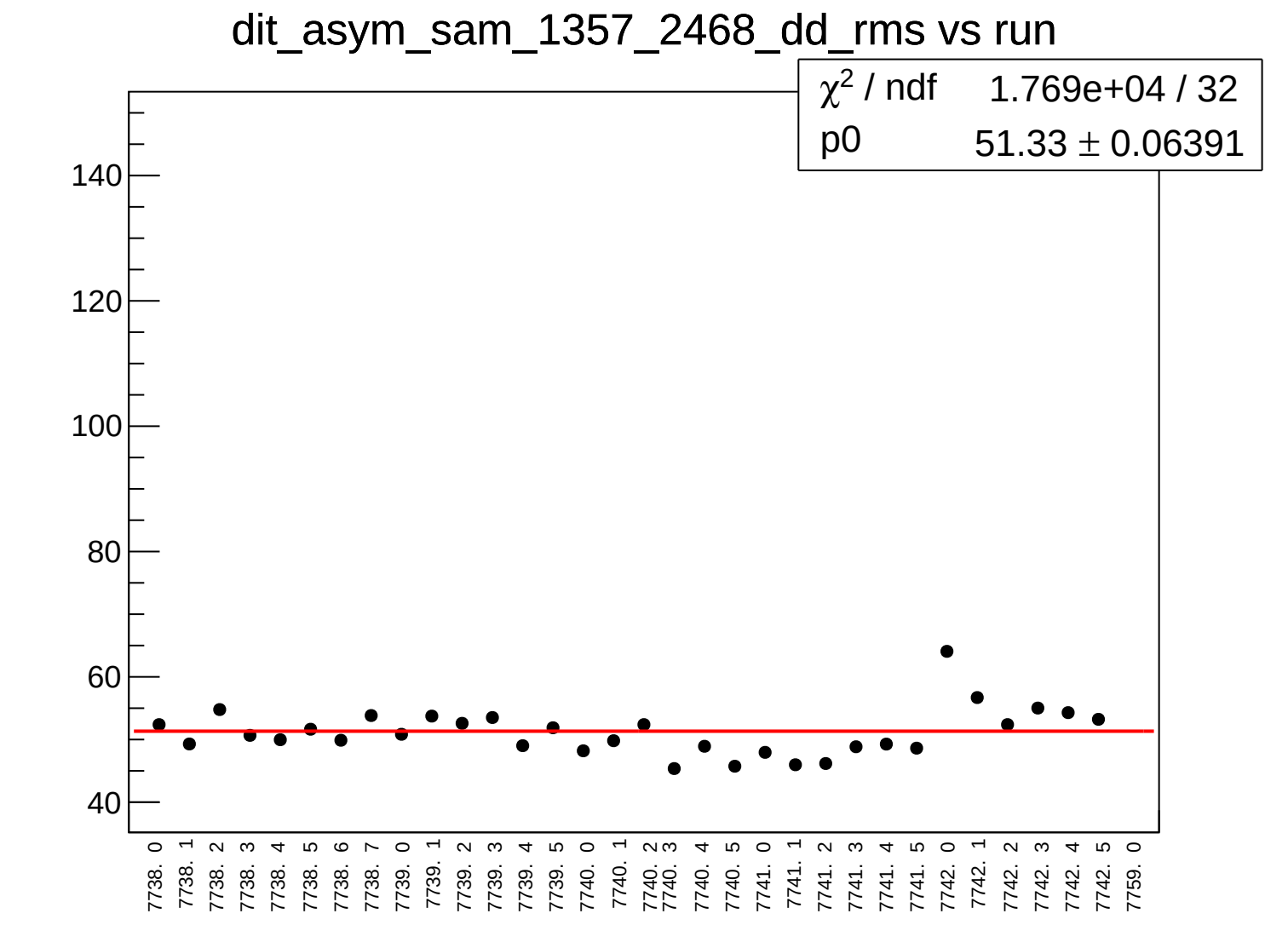

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3813 / 32
p0 45.17 ± 0.05564
54
52
50
48
46
44
42
40
38
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

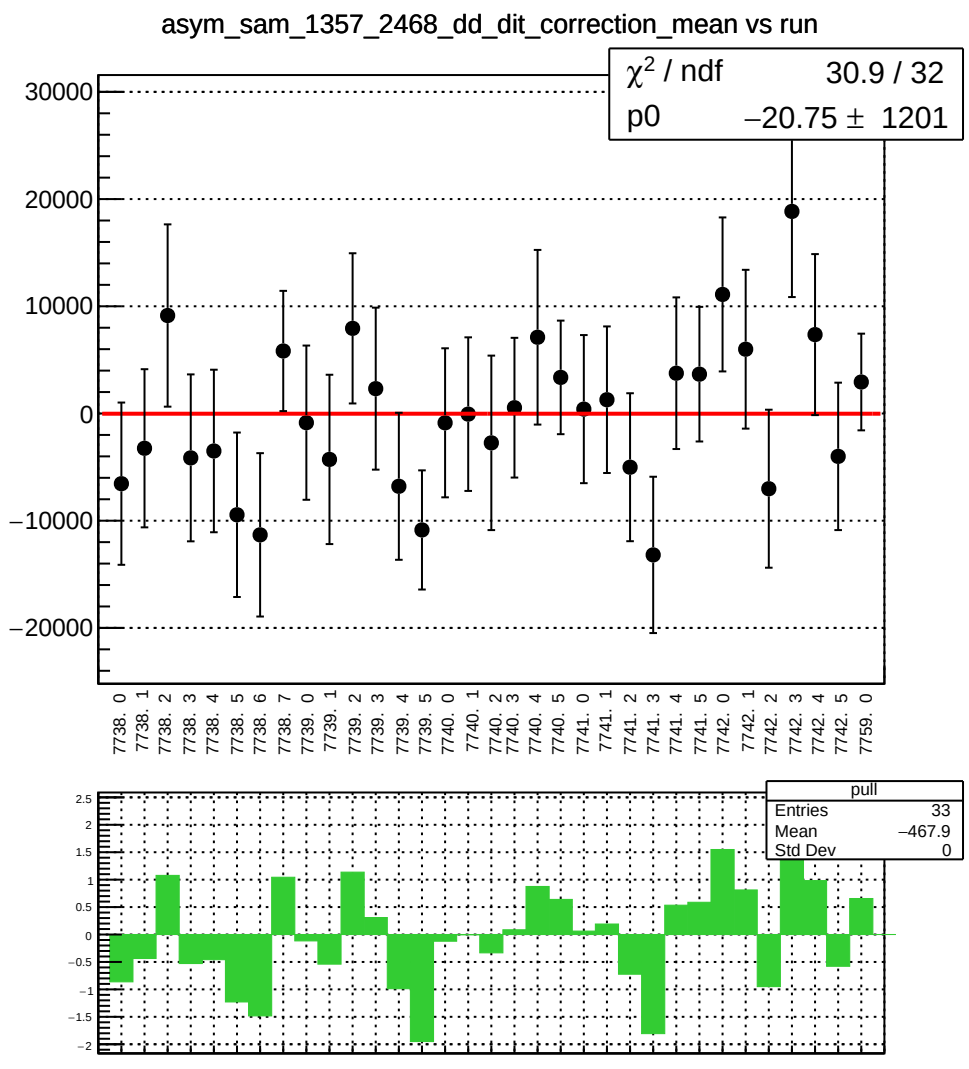

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.8 / 32
p0 52.15 ± 1155
30000
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −178.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01582
Std Dev 0.9659
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

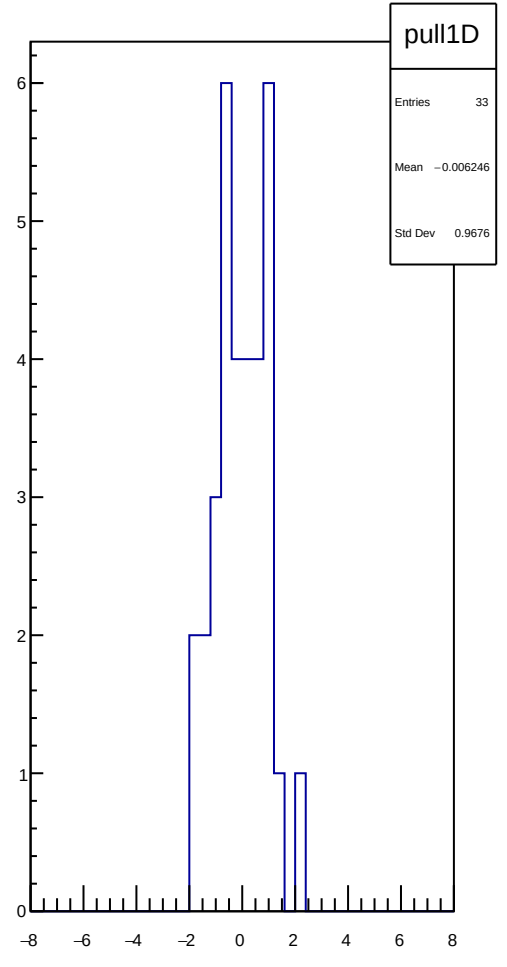

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 9252 / 32
p0 660 ± 0.8164
800
750
700
650
600
550
500
450
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

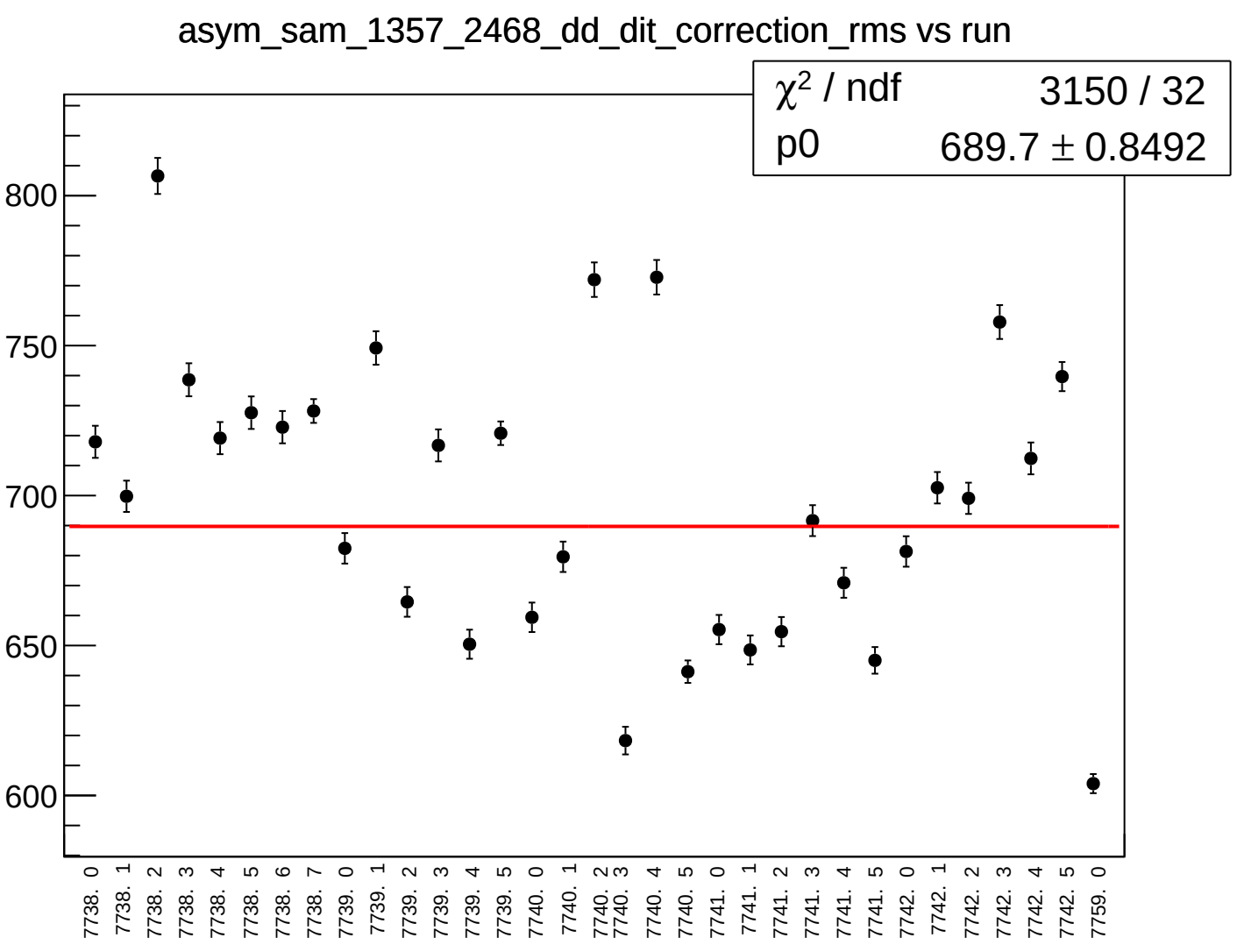

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 29.05 / 32
p0 −198 ± 90.38
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

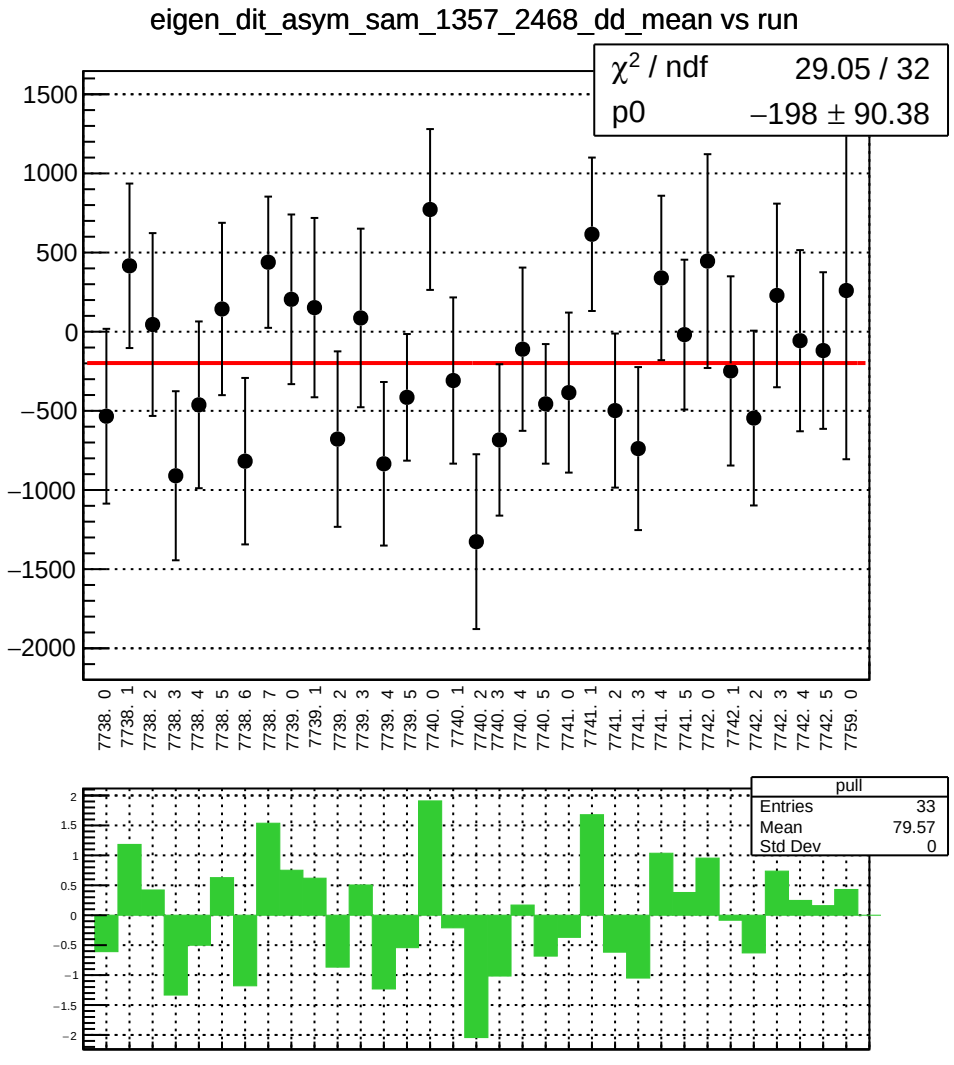

pull1D
Entries 33
Mean 0.01153
Std Dev 0.9382
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

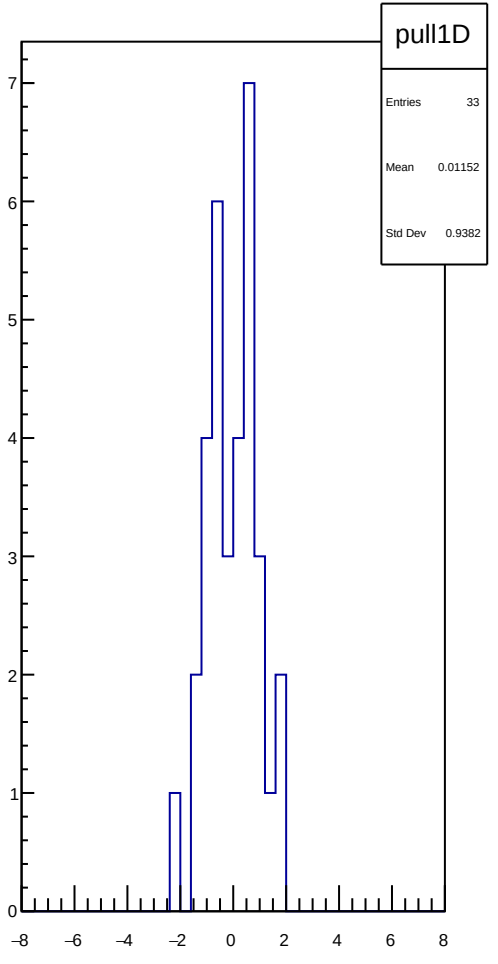

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.769e+04 / 32
p0 51.33 ± 0.06391
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

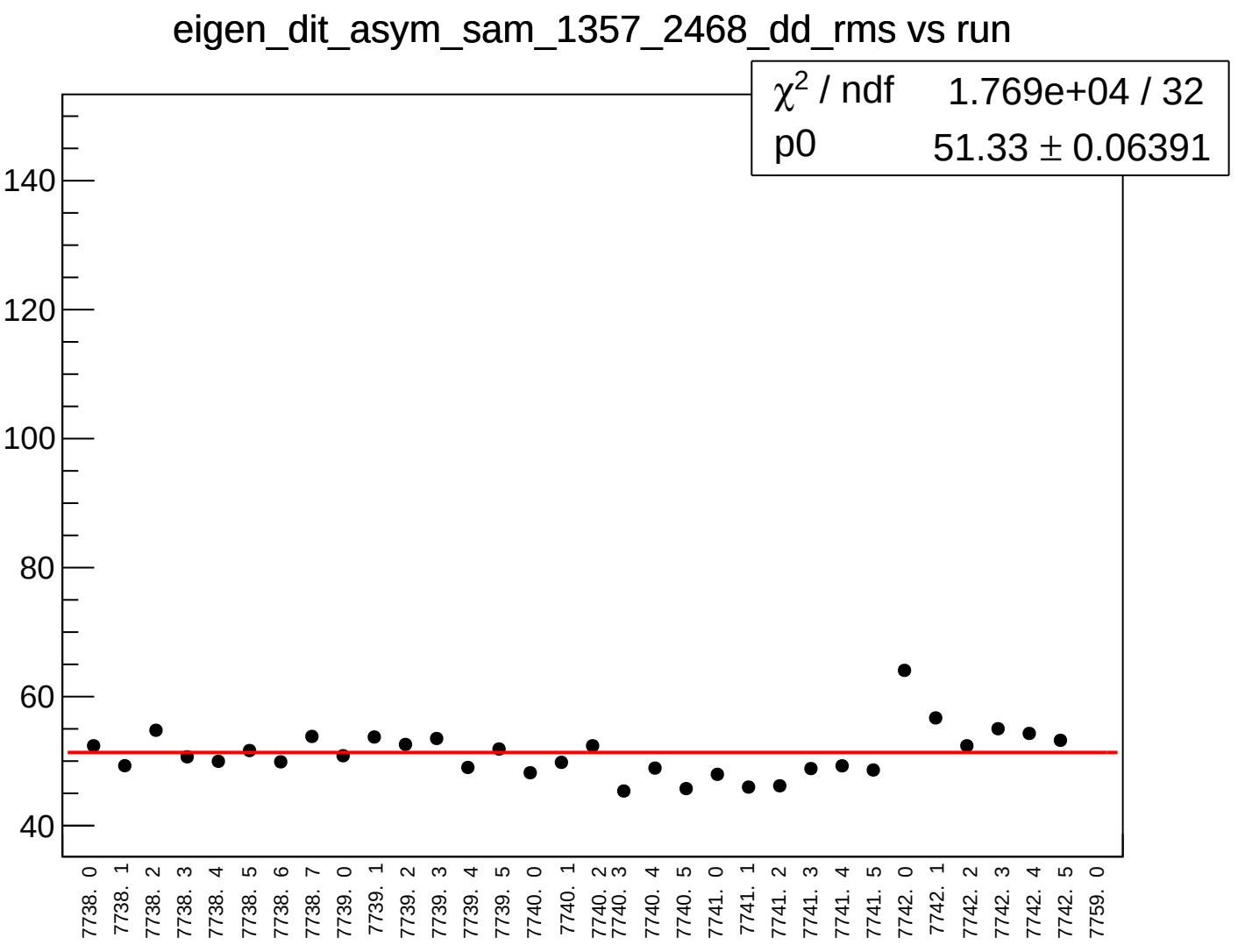

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 30.9 / 32
p0 −20.75 ± 1201
30000
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −467.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

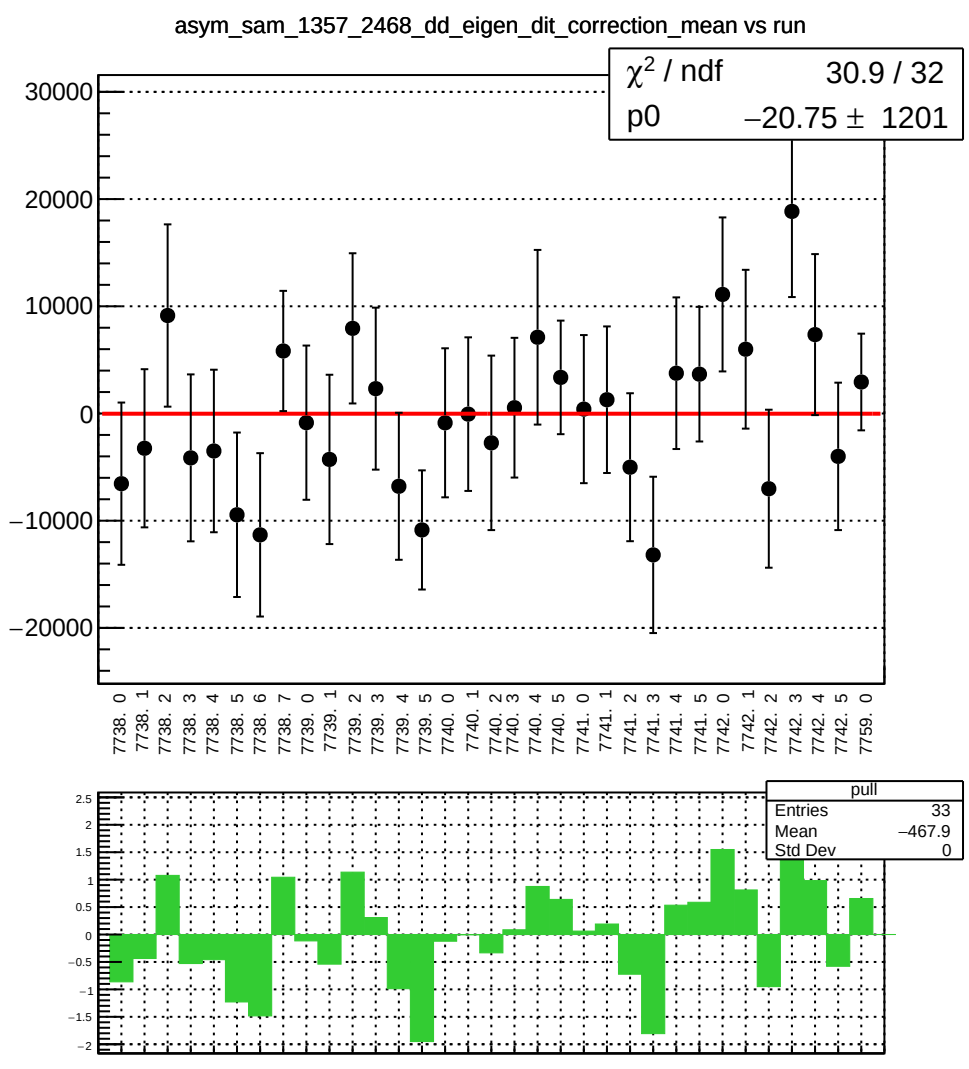

pull1D
Entries 33
Mean −0.006246
Std Dev 0.9676
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

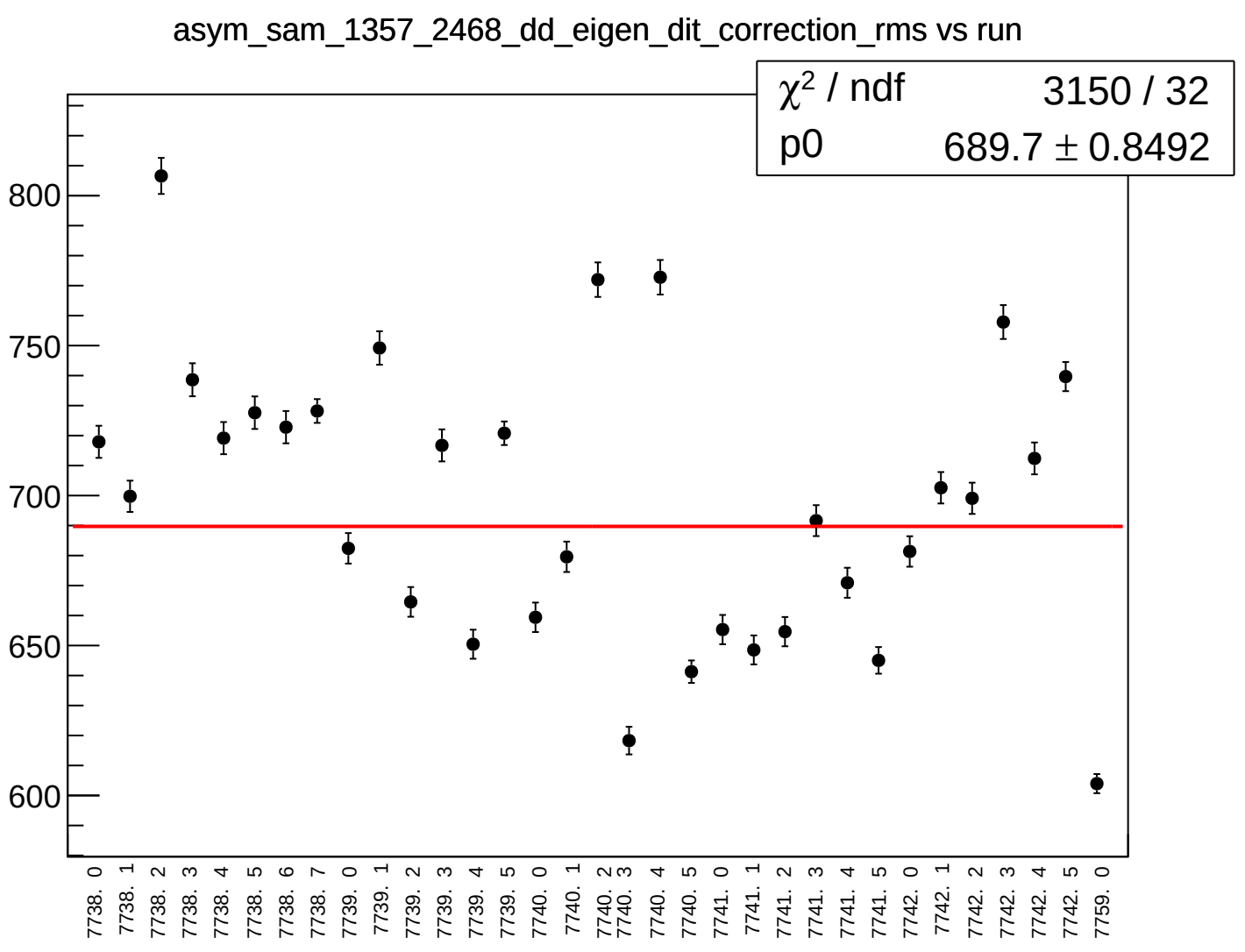

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 3150 / 32
p0 689.7 ± 0.8492
800
750
700
650
600
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

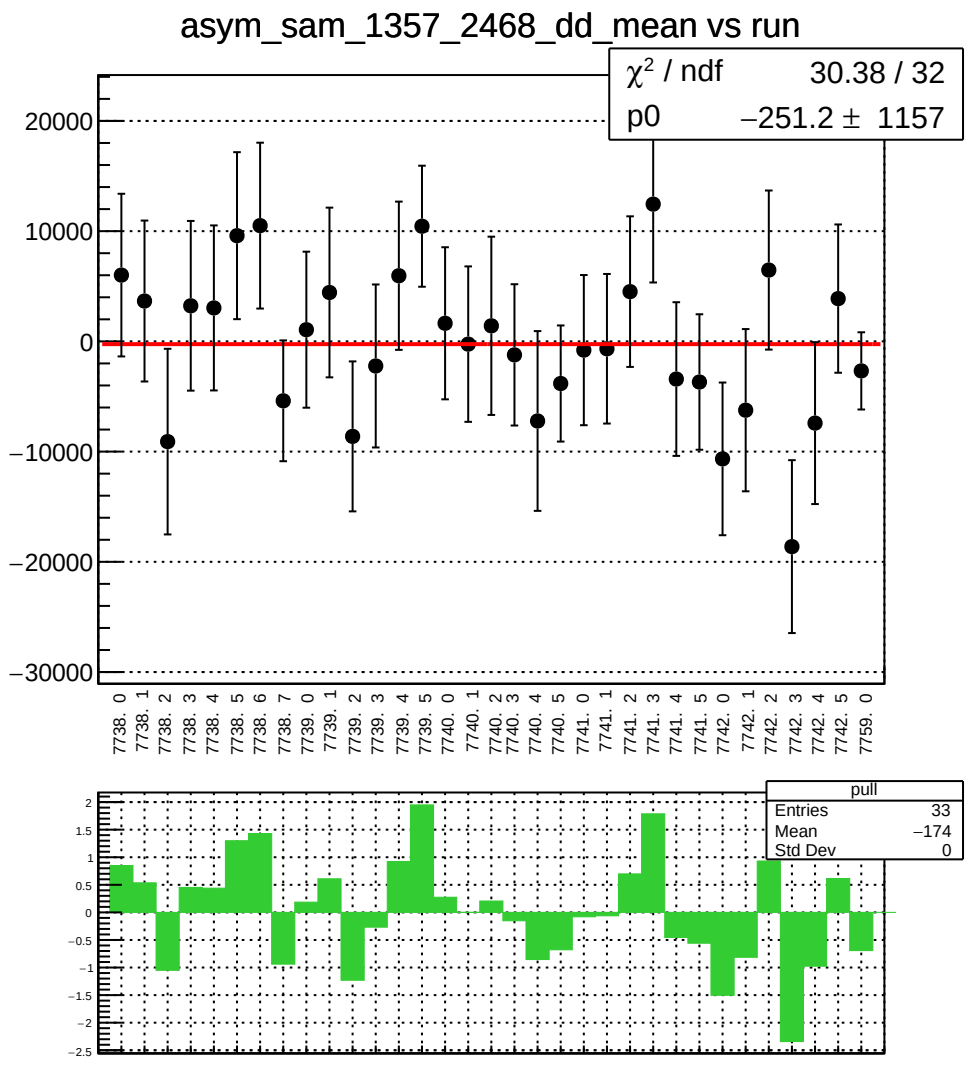

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 29.05 / 32
p0 −198 ± 90.38
1500
1000
500
0
−500
−1000
−1500
−2000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

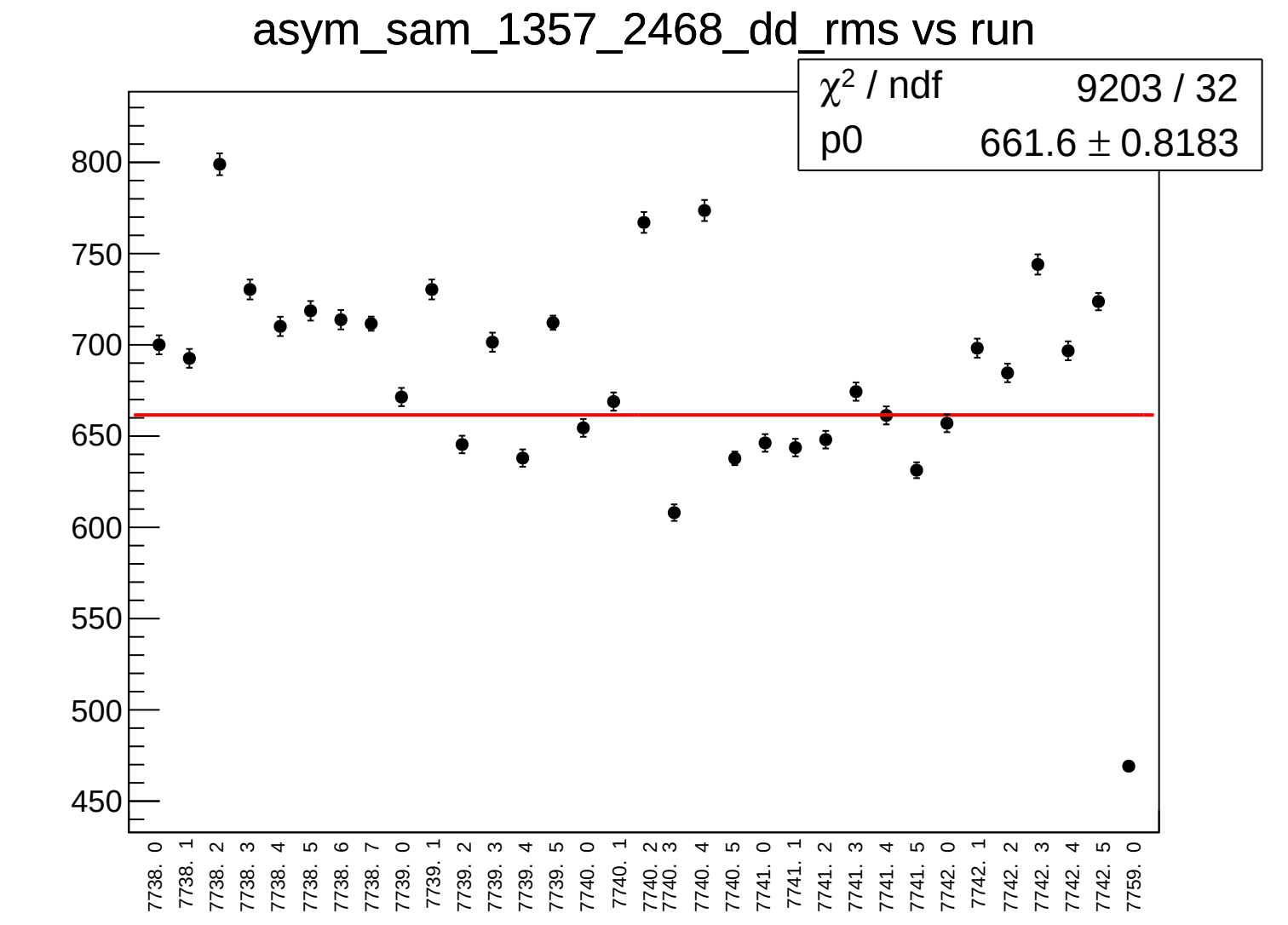

pull1D
Entries 33
Mean 0.01152
Std Dev 0.9382
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

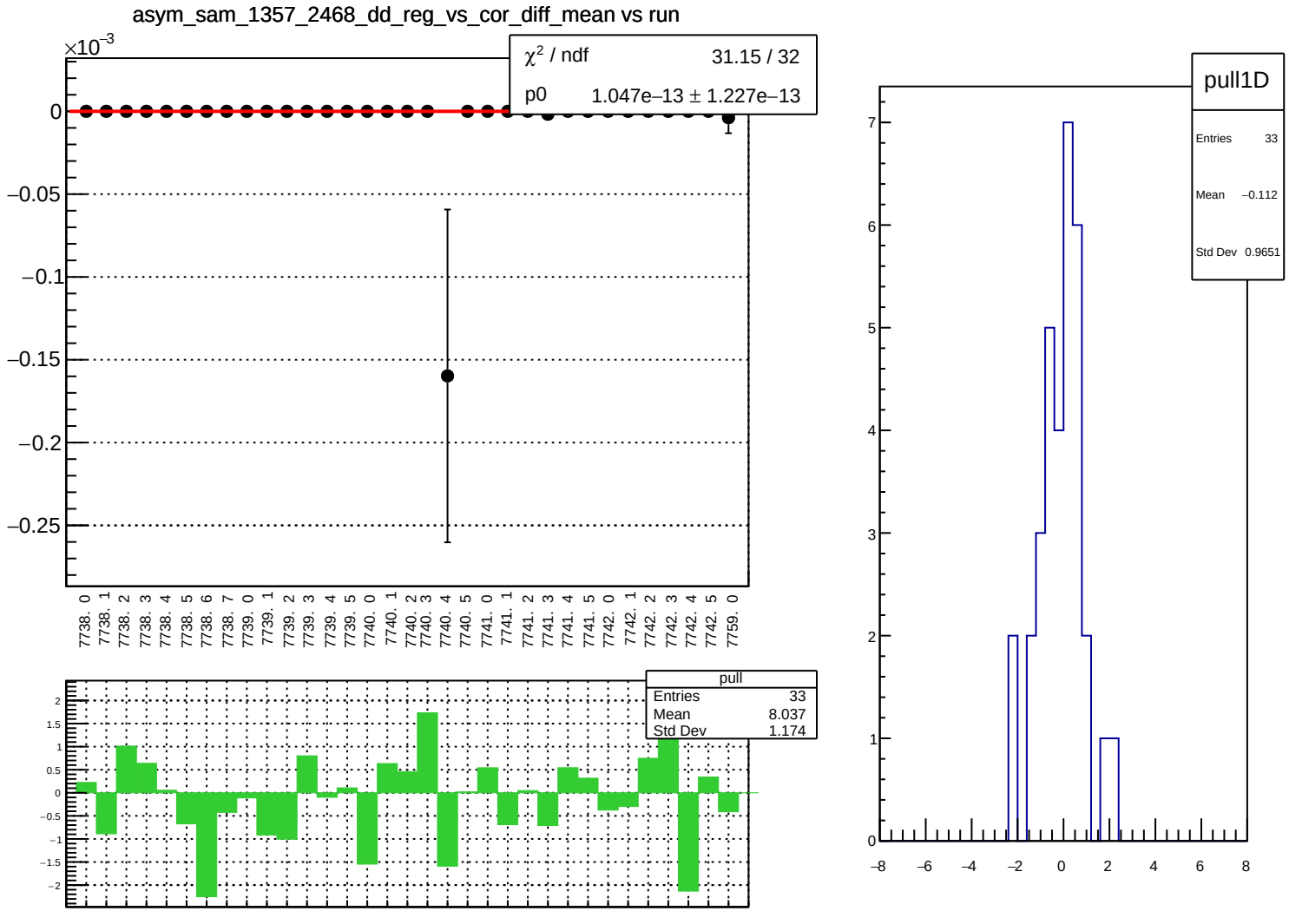

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.769e+04 / 32
p0 51.33 ± 0.06391
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

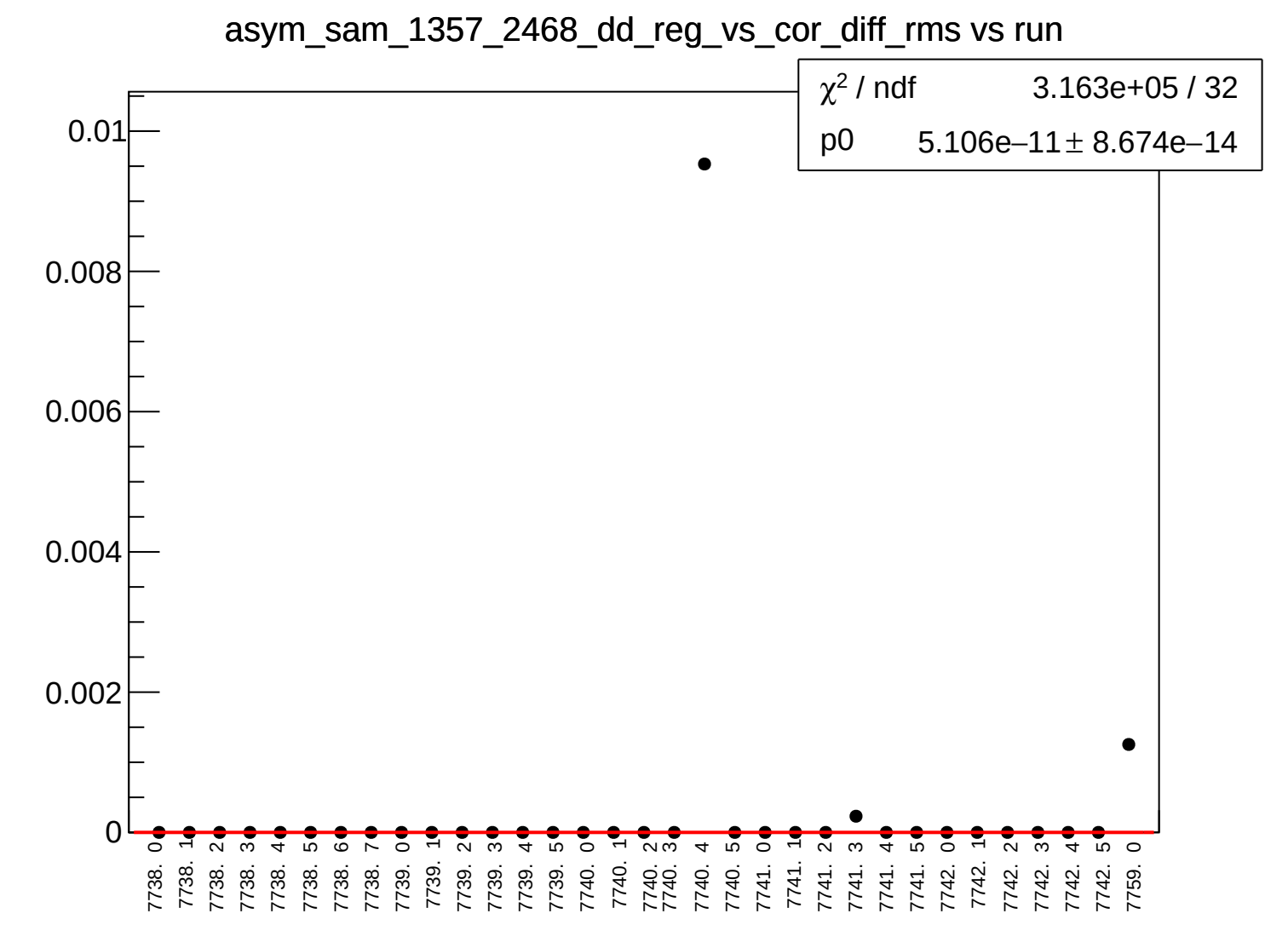

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 30.9 / 32
p0 −20.75 ± 1201
30000
20000
10000
0
−10000
−20000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −467.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.006246
Std Dev 0.9676
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

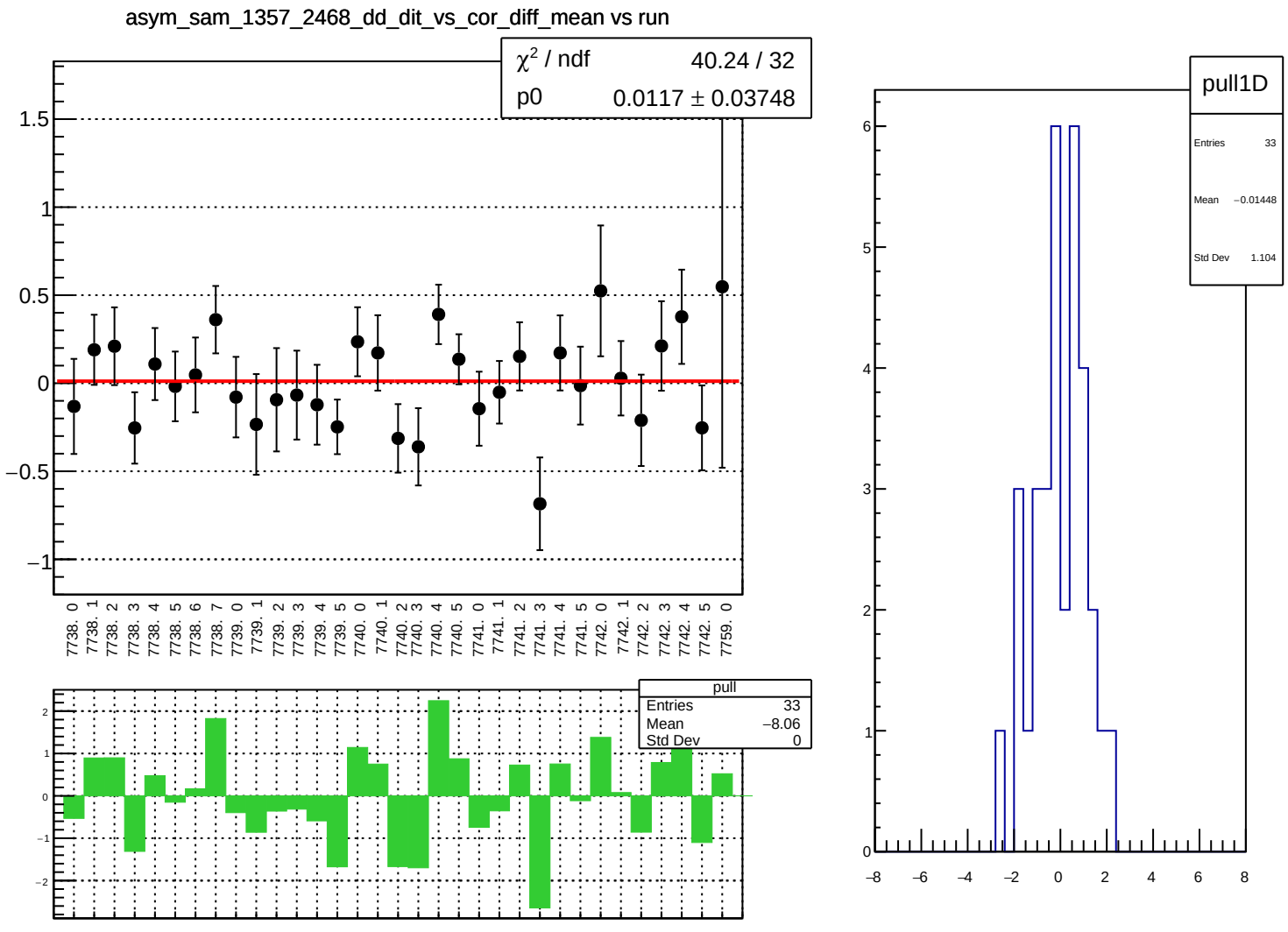

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 3150 / 32
p0 689.7 ± 0.8492
800
750
700
650
600
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

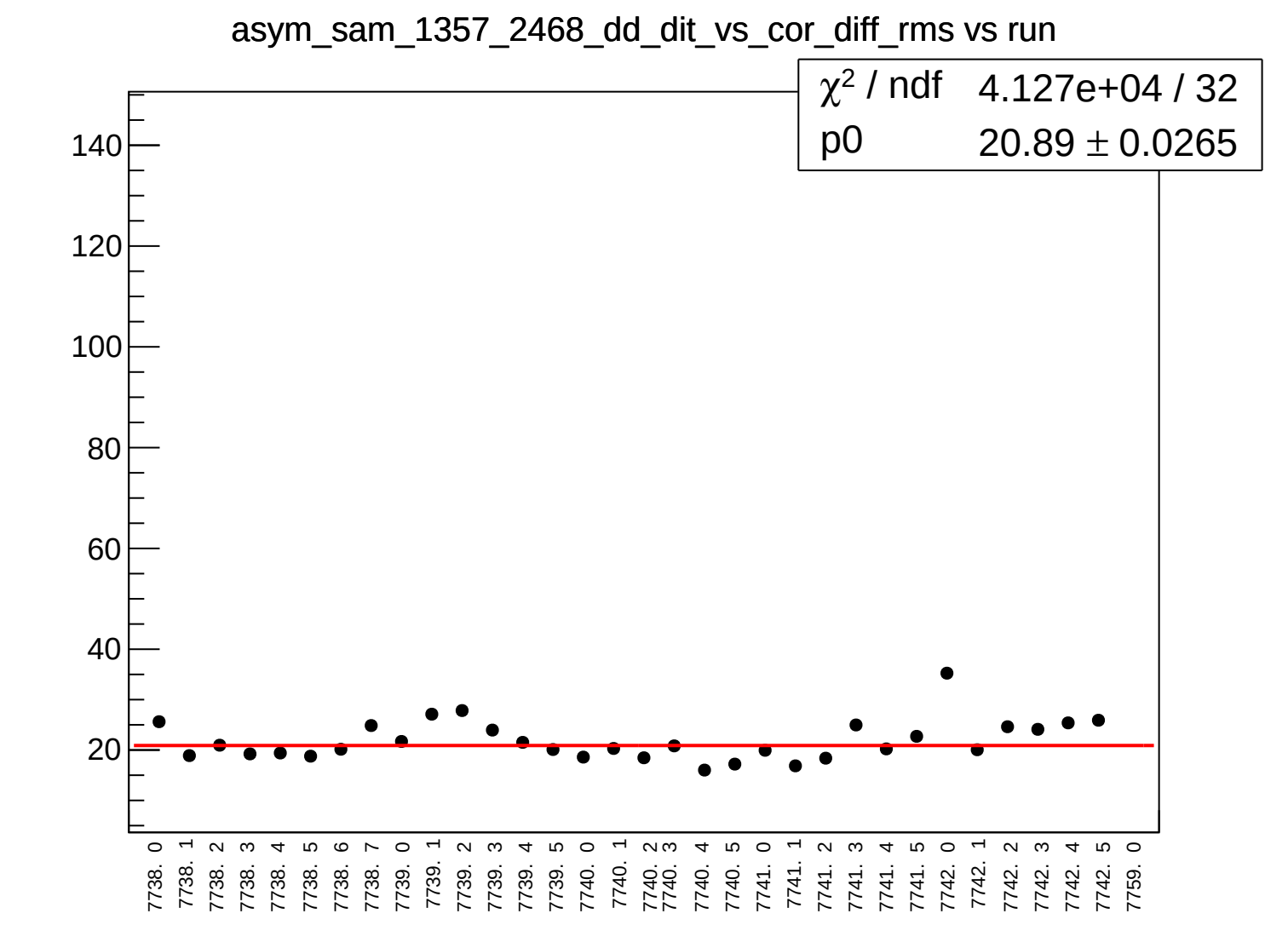

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 30.38 / 32
p0 −251.2 ± 1157
20000
10000
0
−10000
−20000
−30000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −174
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.016
Std Dev 0.9593
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

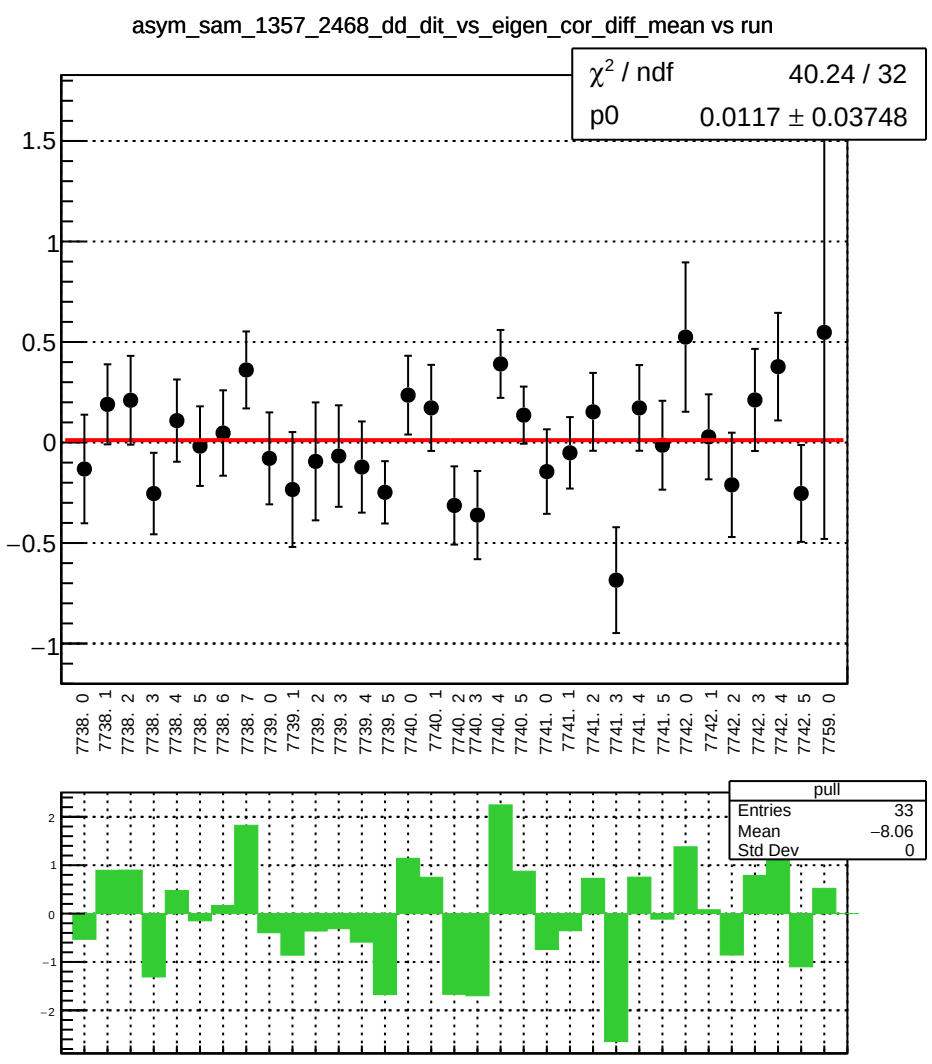

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9203 / 32
p0 661.6 ± 0.8183
800
750
700
650
600
550
500
450
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

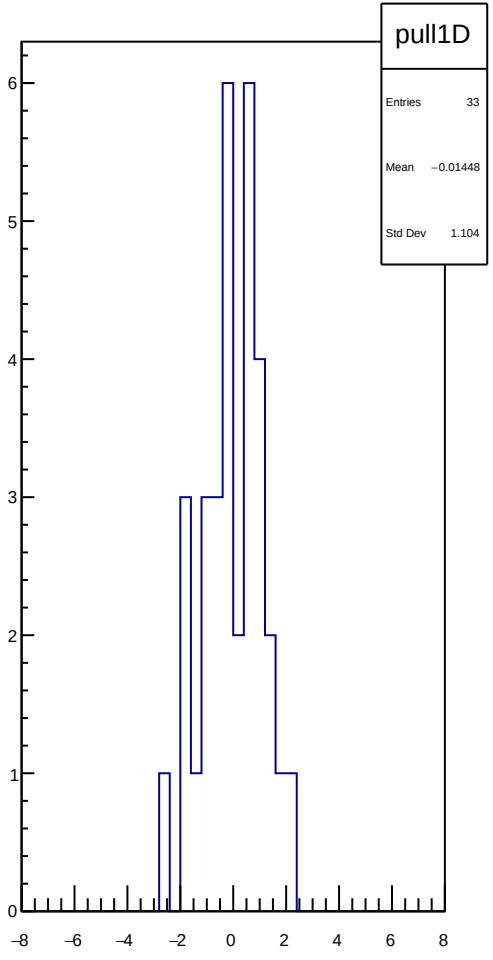

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 31.15 / 32
p0 1.047e−13 ± 1.227e−13
0
−0.05
−0.1
−0.15
−0.2
−0.25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 8.037
Std Dev 1.174
pull1D
Entries 33
Mean −0.112
Std Dev 0.9651

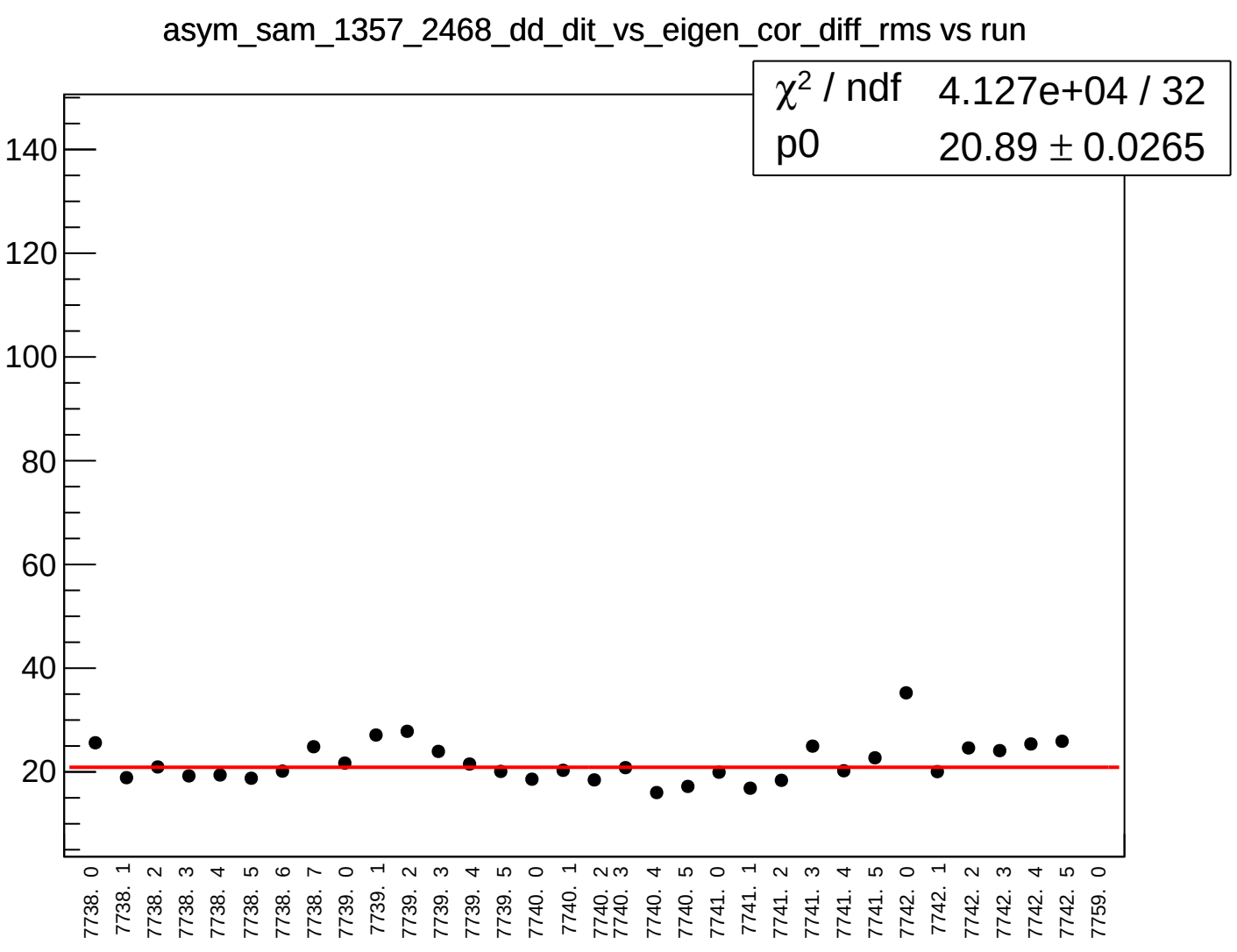

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.163e+05 / 32
p0 5.106e−11 ± 8.674e−14
0.01
0.008
0.006
0.004
0.002
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

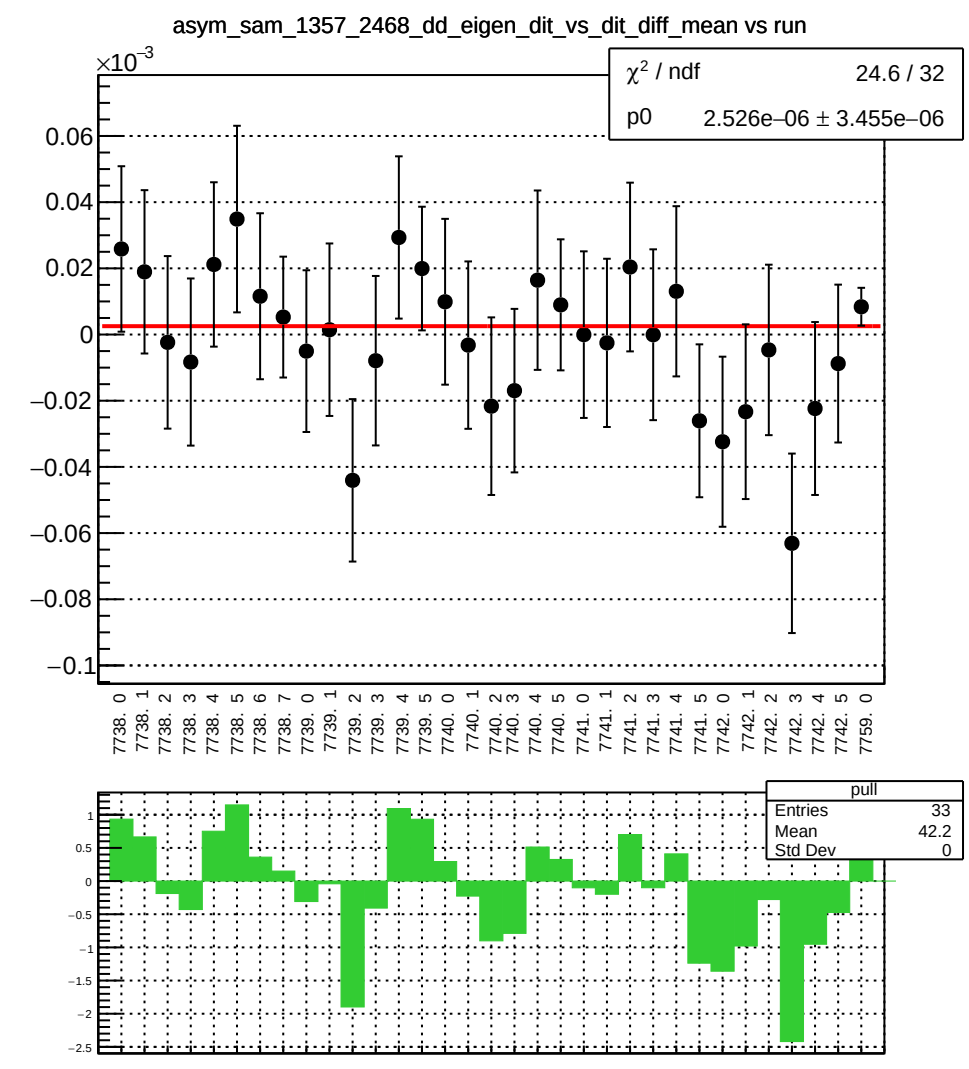

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 40.24 / 32
p0 0.0117 ± 0.03748
1.5
1
0.5
0
−0.5
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.06
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01448
Std Dev 1.104
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

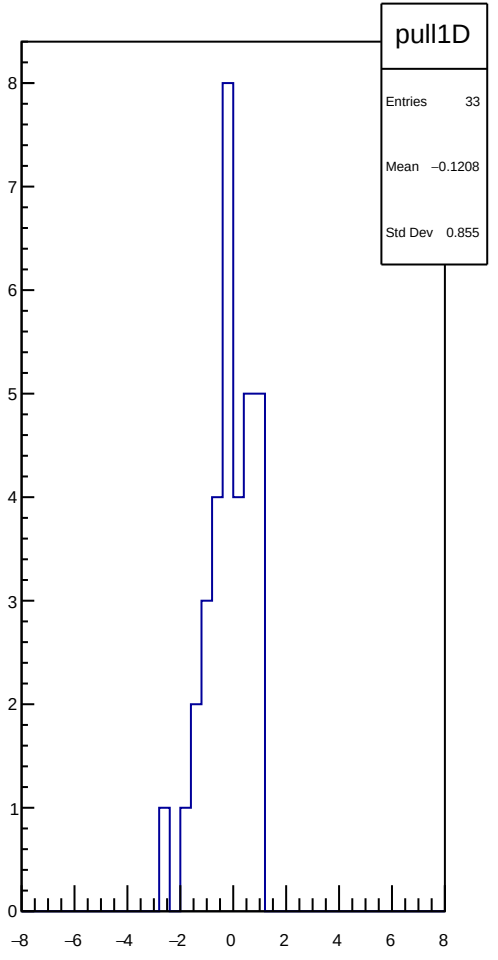

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.127e+04 / 32
p0 20.89 ± 0.0265
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

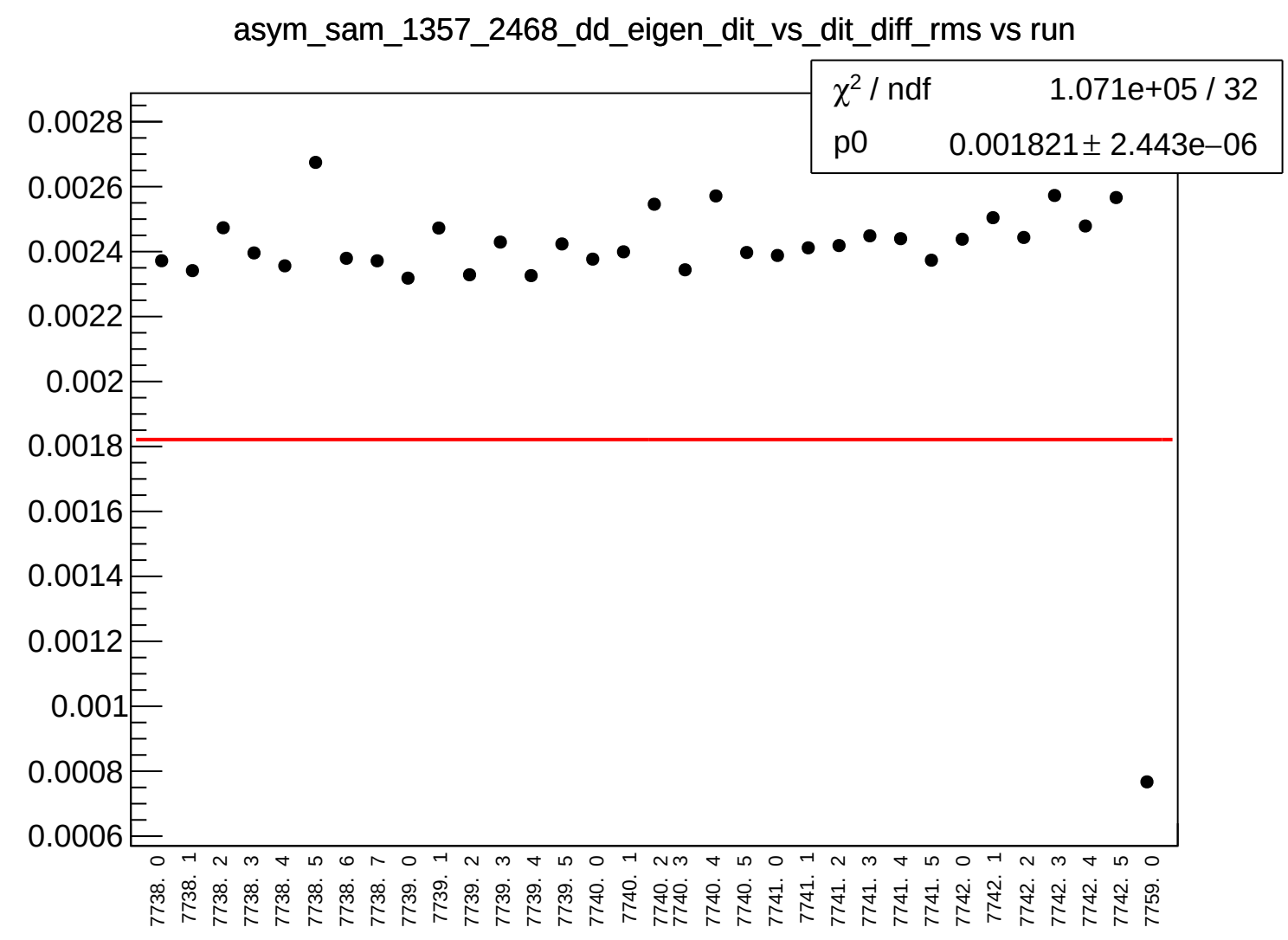

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.24 / 32
p0 0.0117 ± 0.03748
1.5
1
0.5
0
−0.5
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.06
Std Dev 0
2
1
0
−1
−2

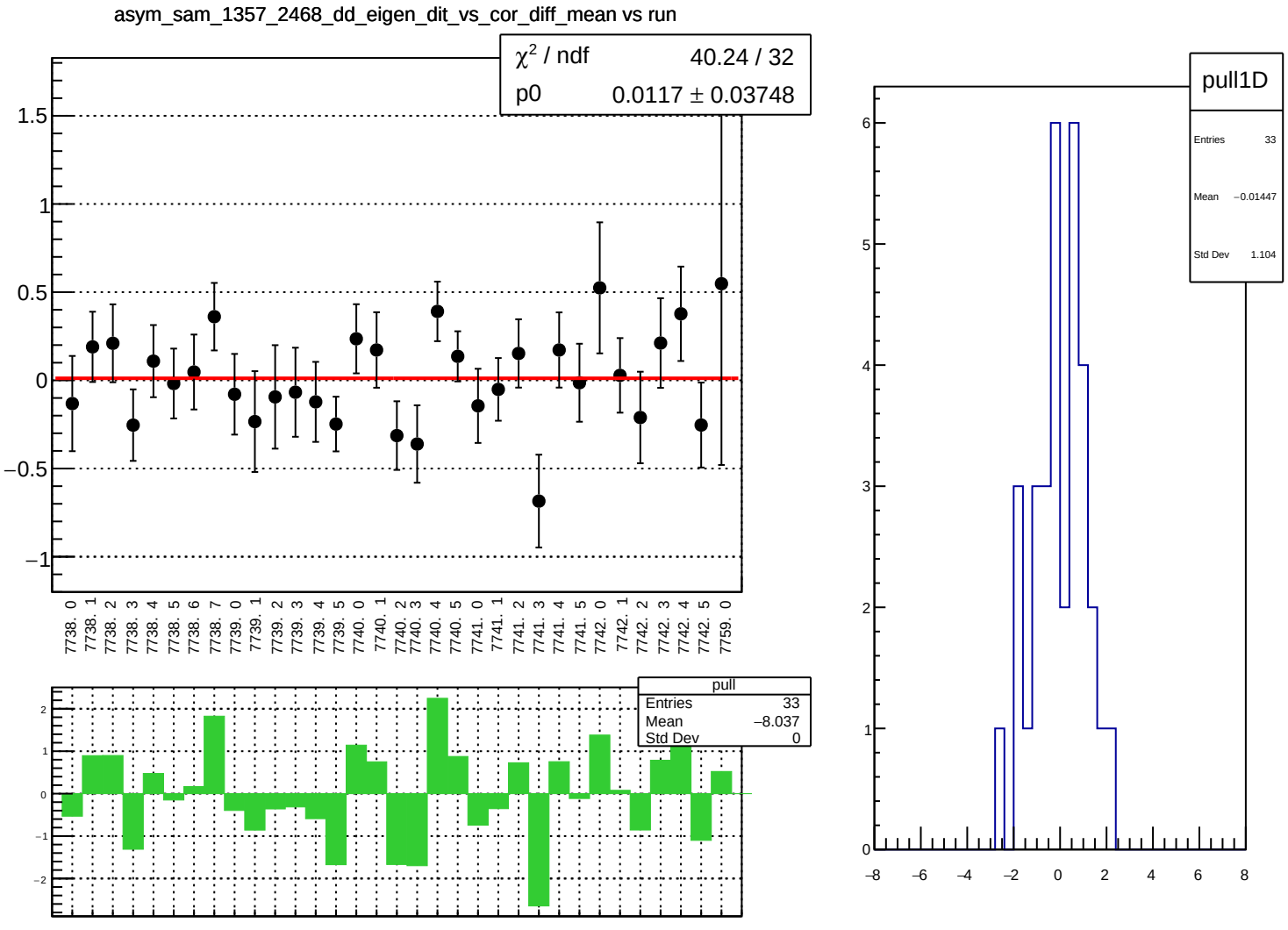

pull1D
Entries 33
Mean −0.01448
Std Dev 1.104
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

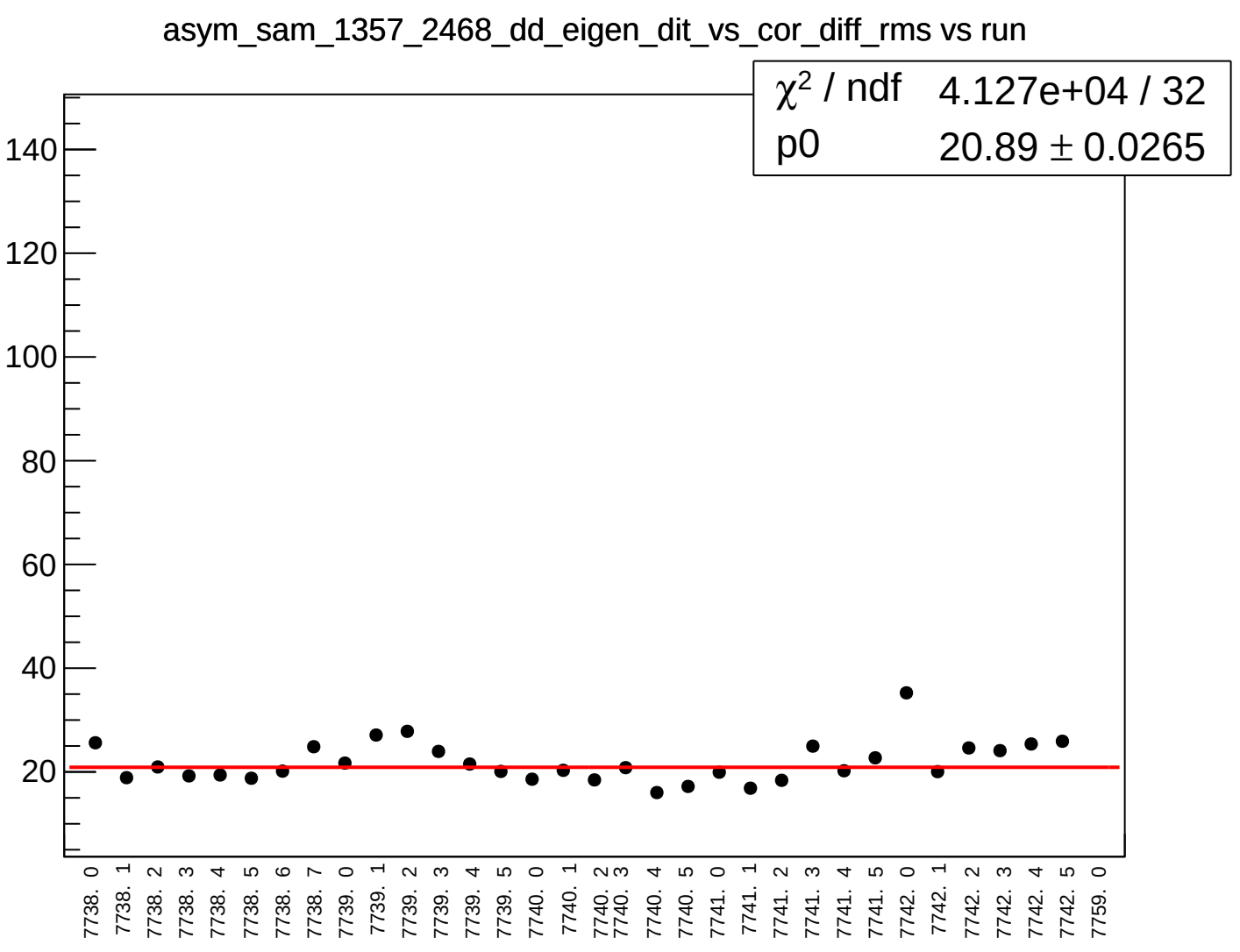

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.127e+04 / 32
p0 20.89 ± 0.0265
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

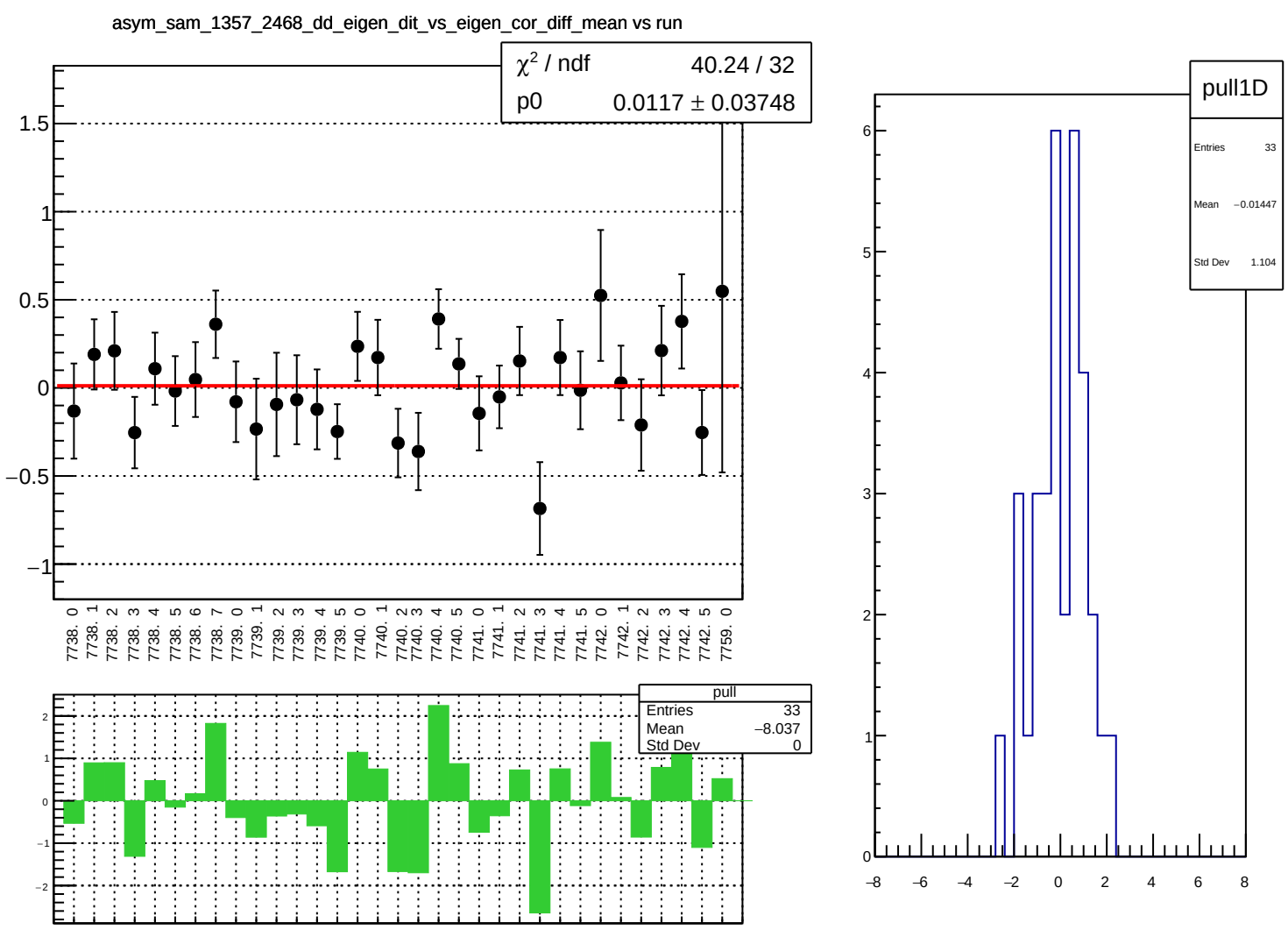

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 24.6 / 32
p0 2.526e−06 ± 3.455e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 42.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

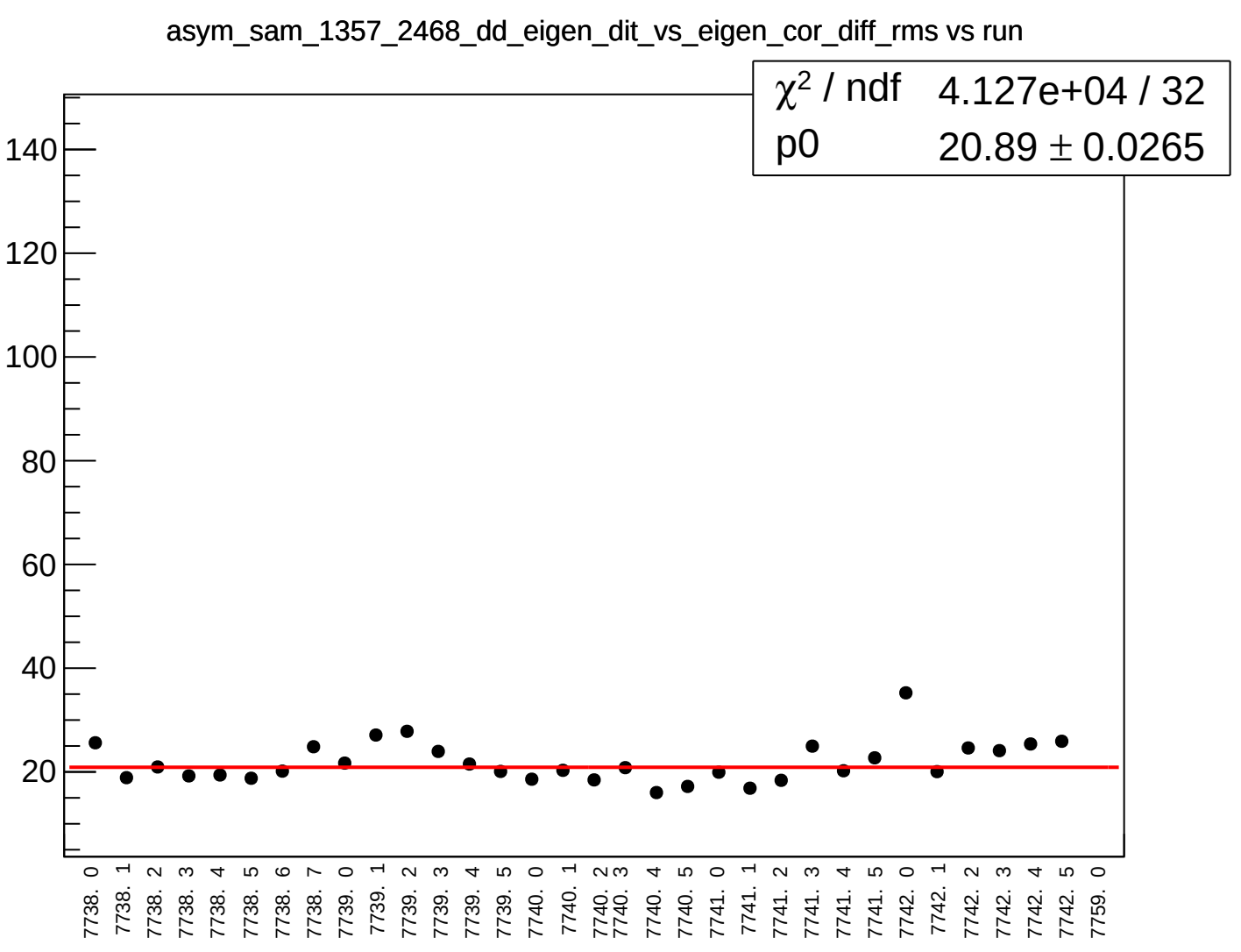

pull1D
Entries 33
Mean −0.1208
Std Dev 0.855
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

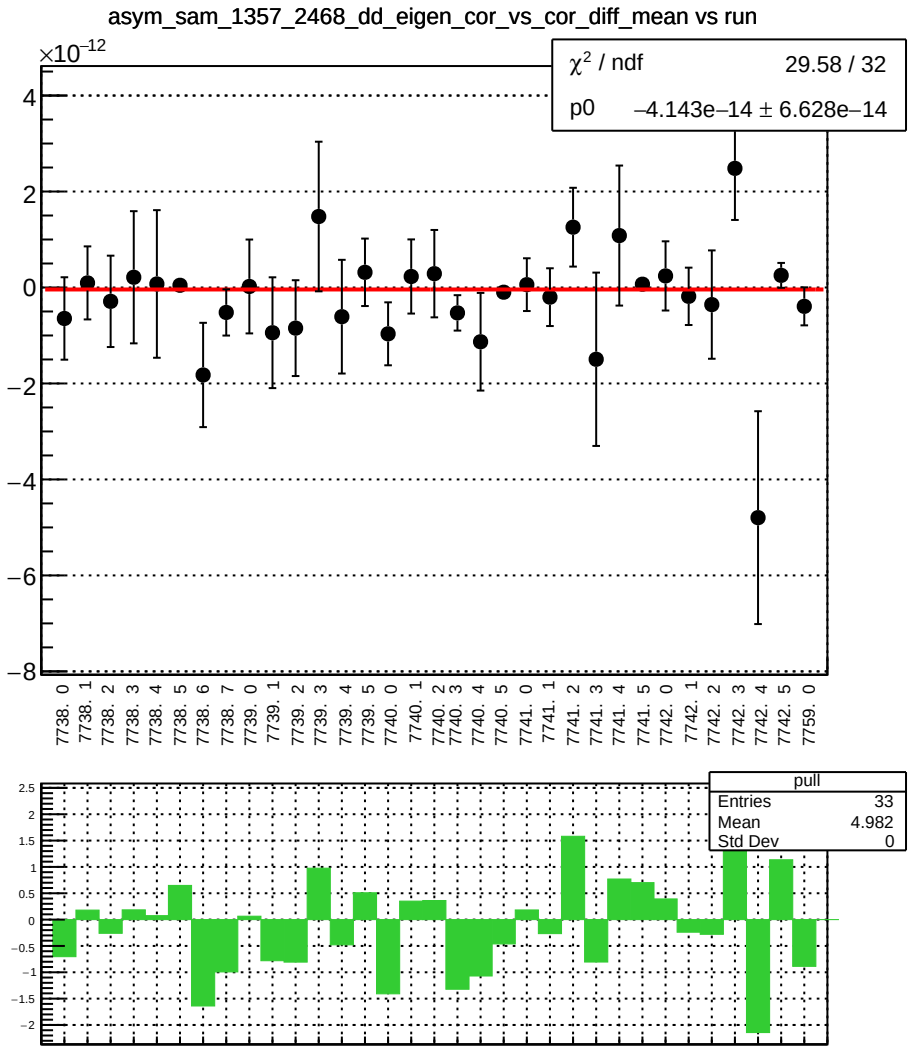

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.071e+05 / 32
p0 0.001821 ± 2.443e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

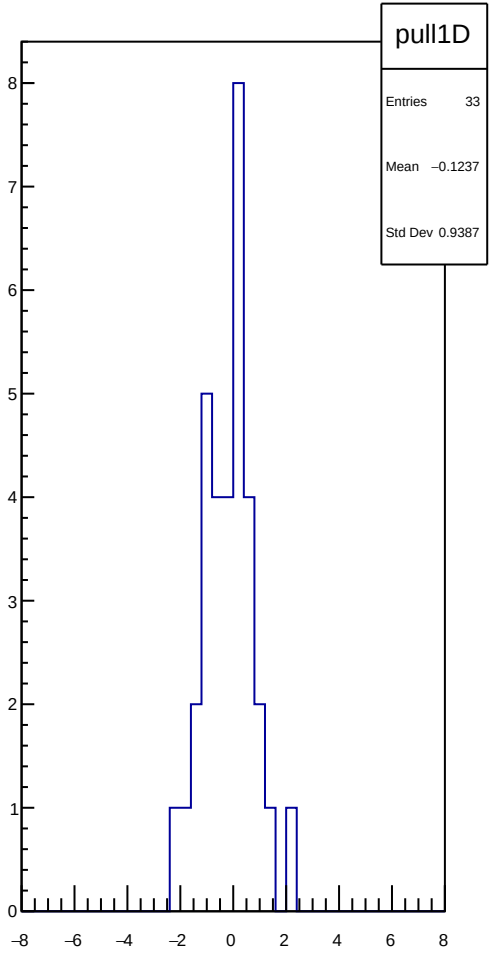

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.24 / 32
p0 0.0117 ± 0.03748
1.5
1
0.5
0
−0.5
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.037
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01447
Std Dev 1.104
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

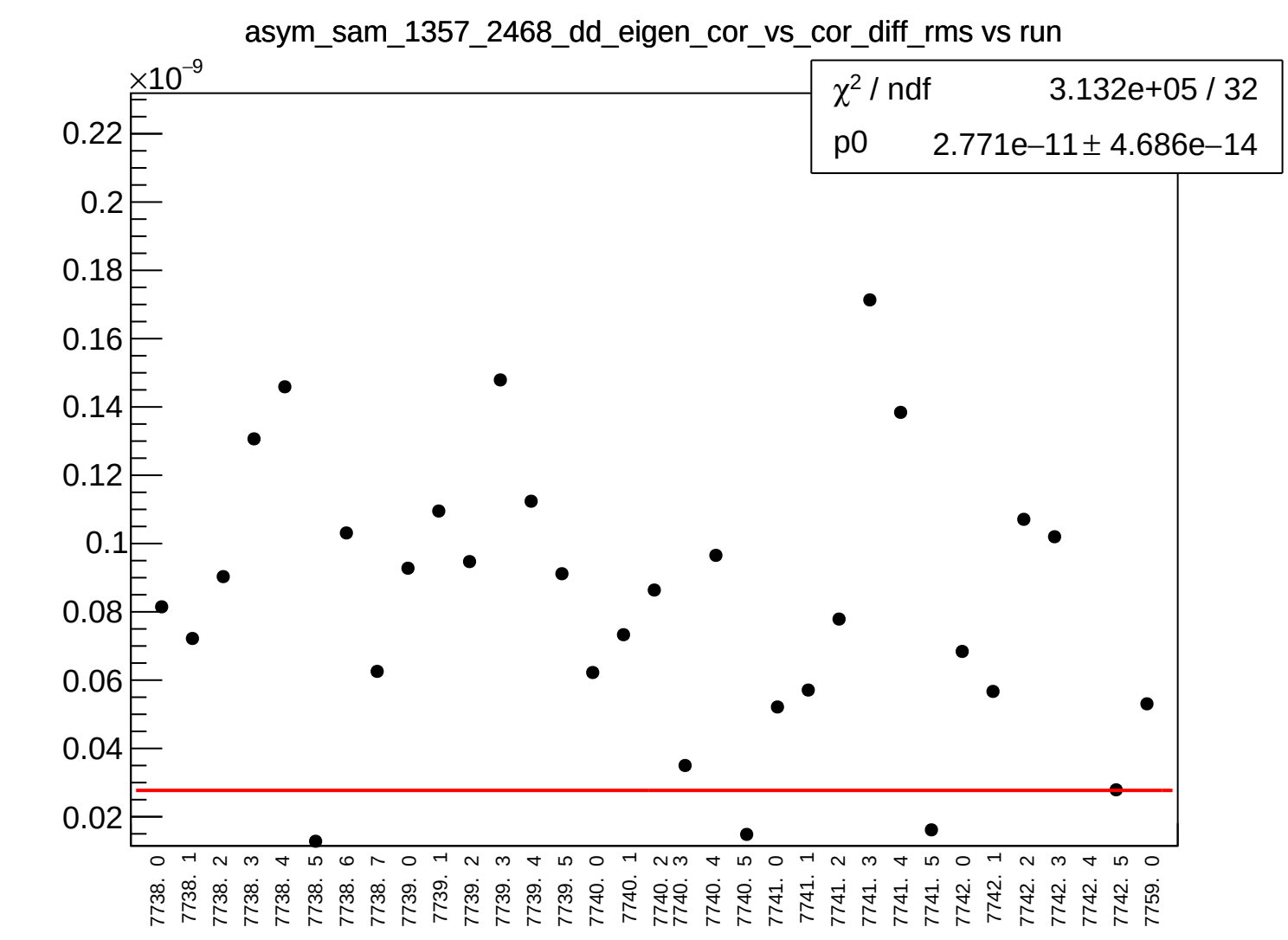

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.127e+04 / 32
p0 20.89 ± 0.0265
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

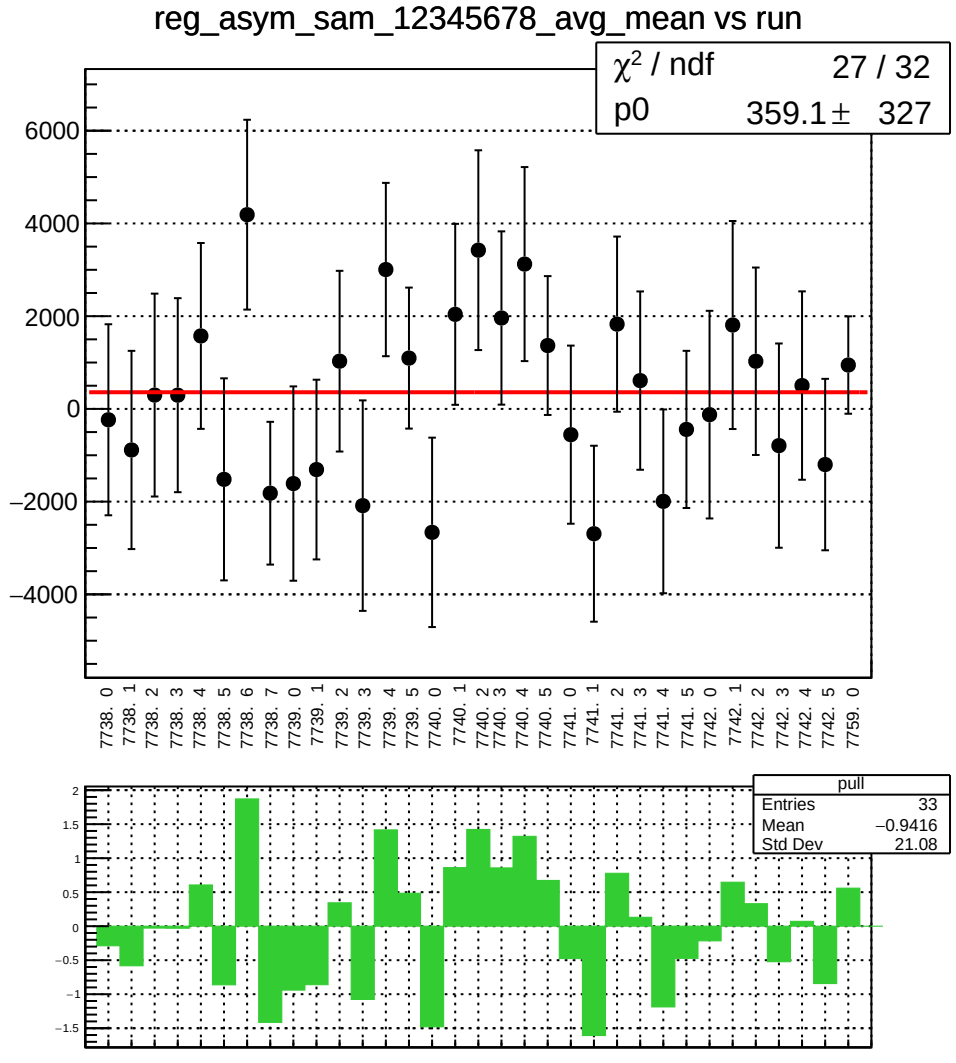

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.24 / 32
p0 0.0117 ± 0.03748
1.5
1
0.5
0
−0.5
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.037
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01447
Std Dev 1.104
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

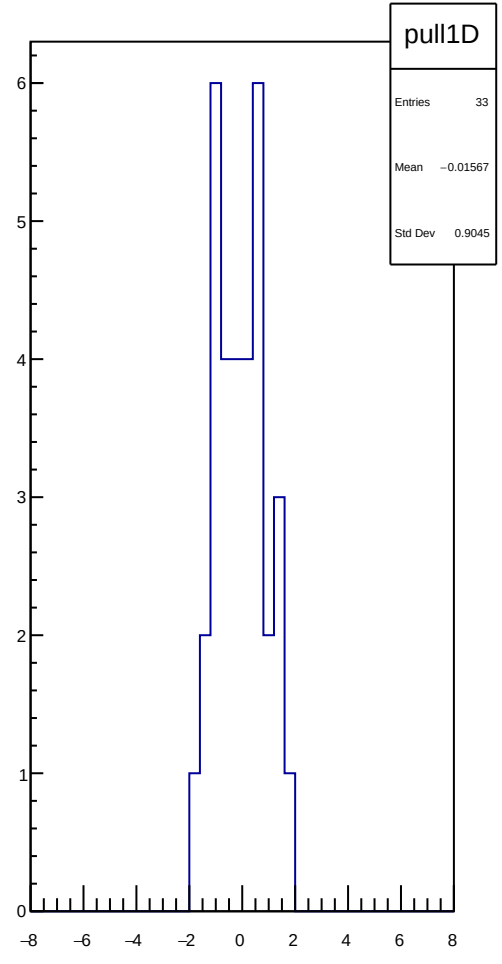

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.127e+04 / 32
p0 20.89 ± 0.0265
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

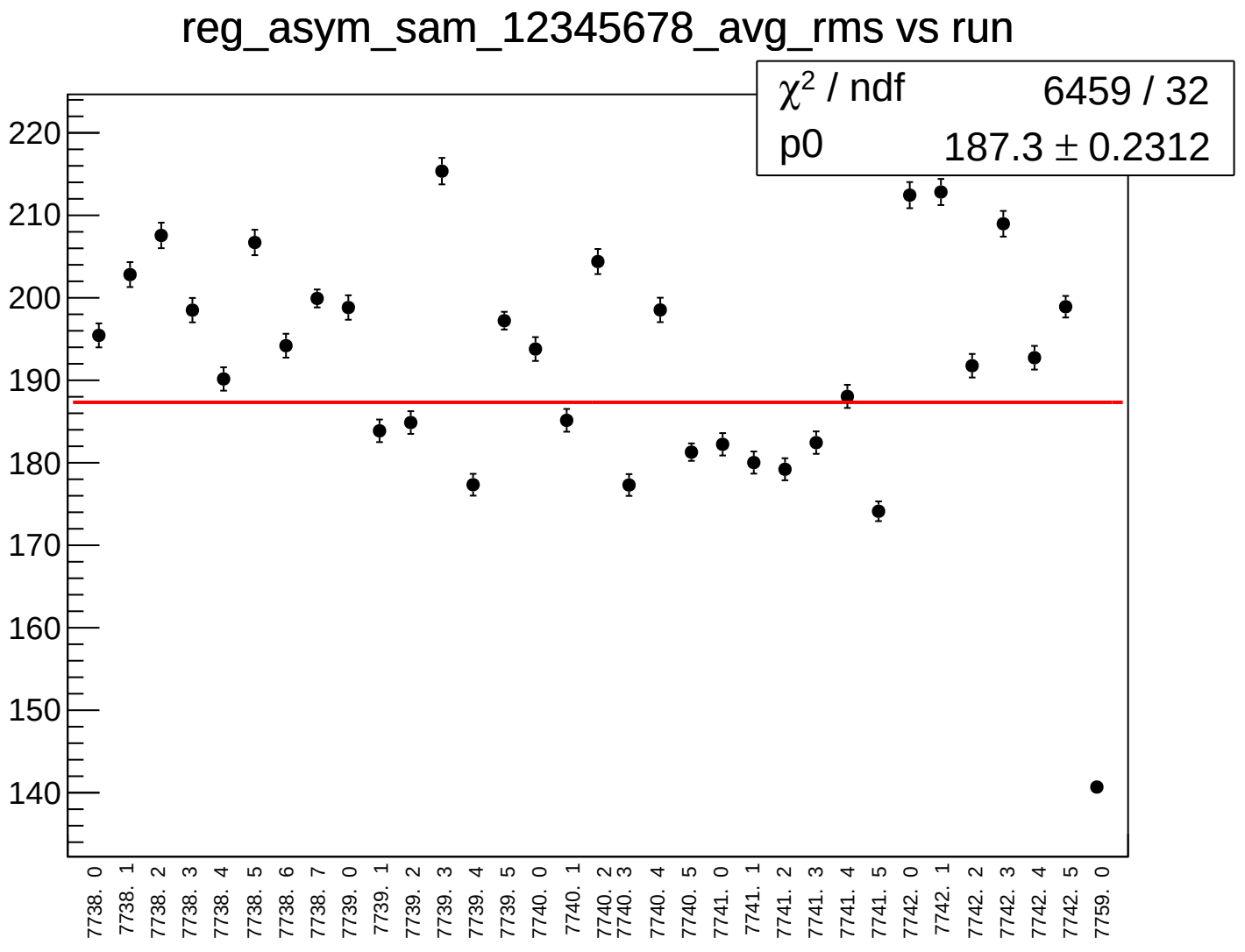

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 29.58 / 32
p0 −4.143e−14 ± 6.628e−14
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.982
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

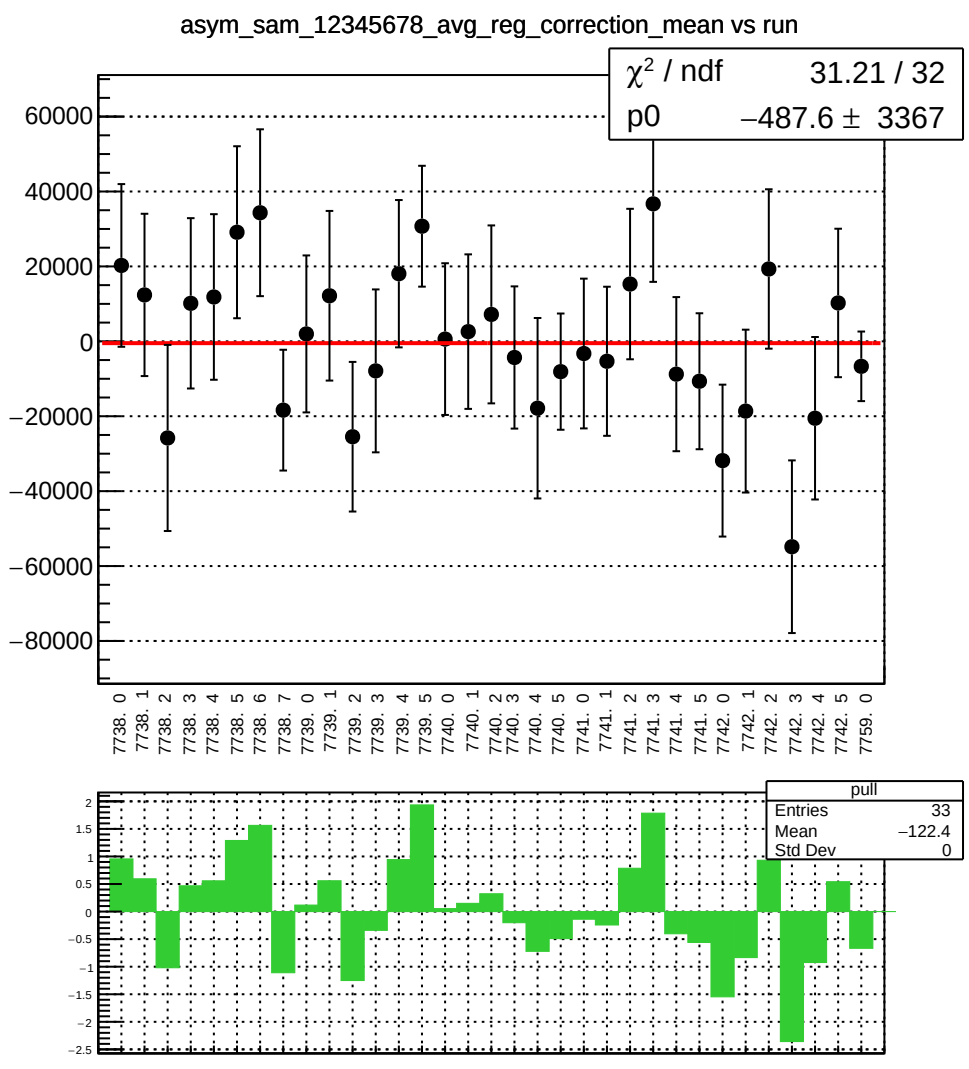

pull1D
Entries 33
Mean −0.1237
Std Dev 0.9387
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

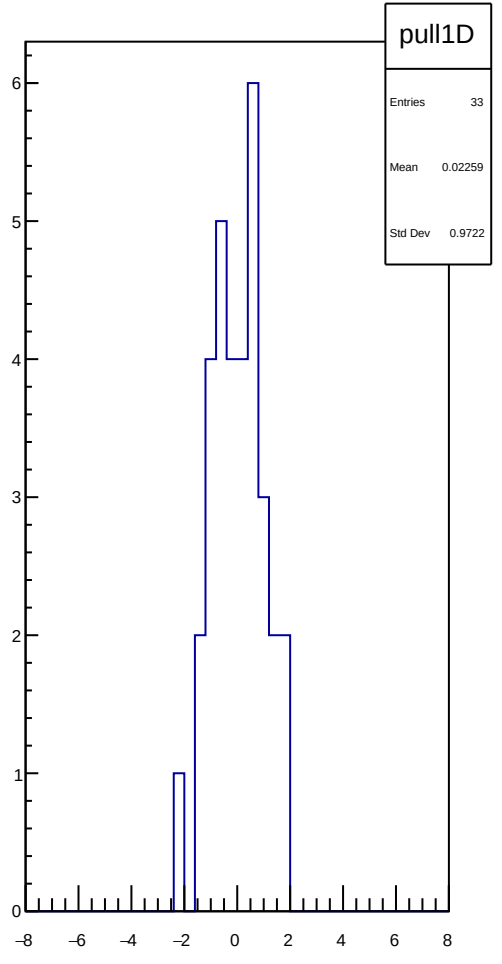

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.132e+05 / 32
p0 2.771e−11 ± 4.686e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

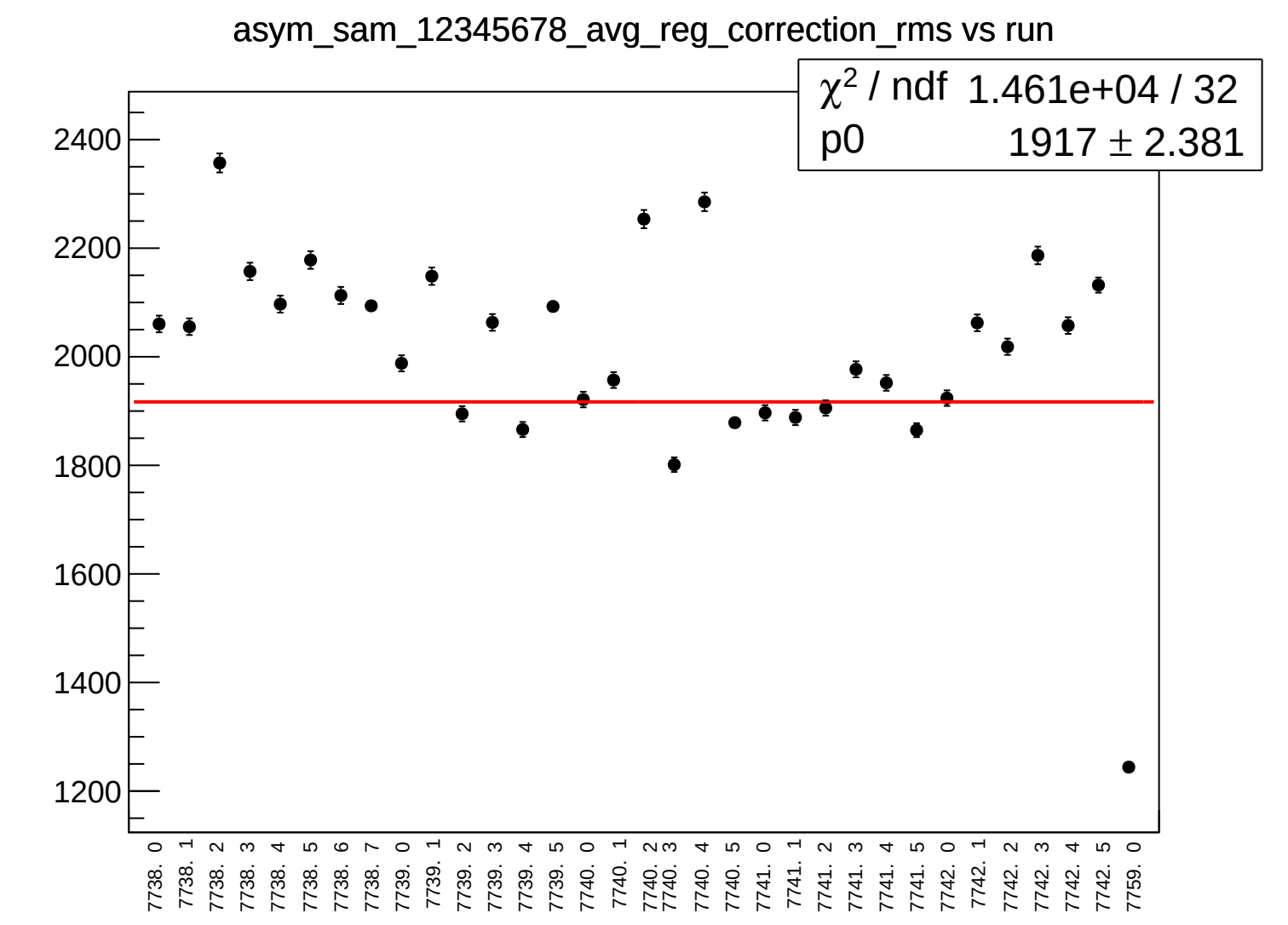

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 27 / 32
p0 359.1 ± 327
6000
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.9416
Std Dev 21.08
2
1.5
1
0.5
0
−0.5
−1
−1.5

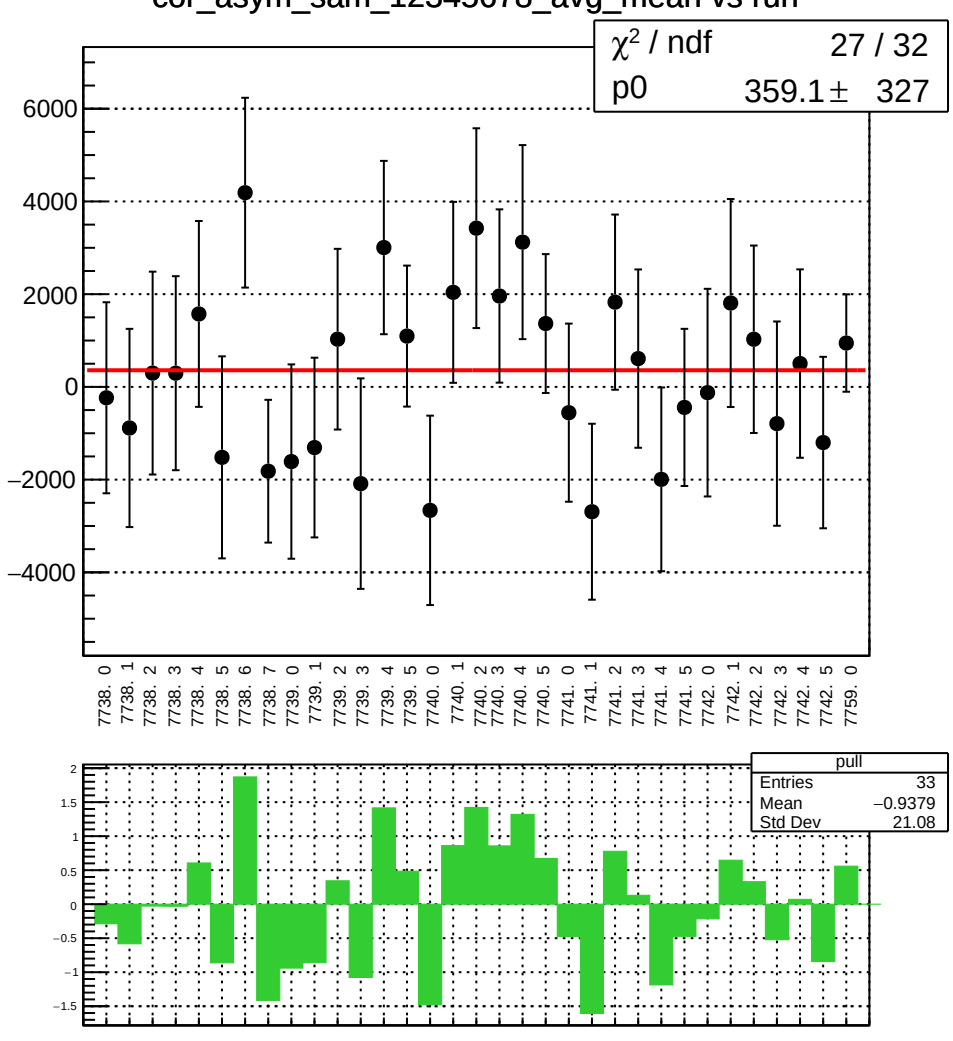

pull1D
Entries 33
Mean −0.01567
Std Dev 0.9045
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

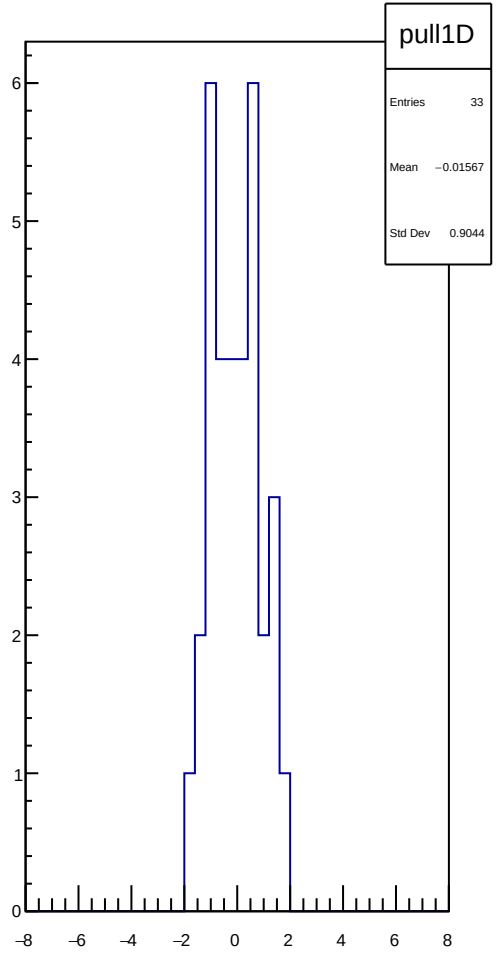

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 6459 / 32
p0 187.3 ± 0.2312
220
210
200
190
180
170
160
150
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

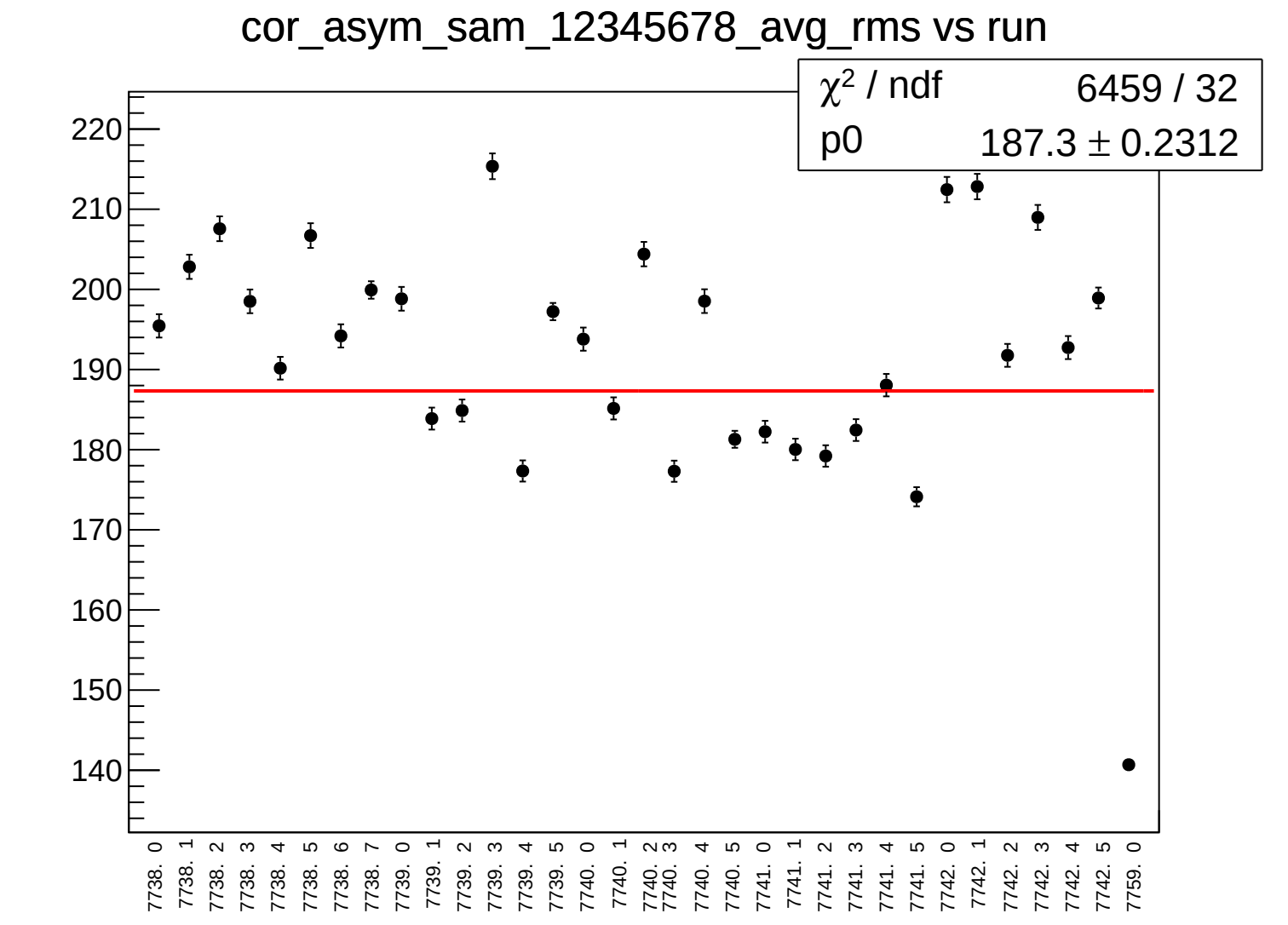

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 31.21 / 32
p0 −487.6 ± 3367
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

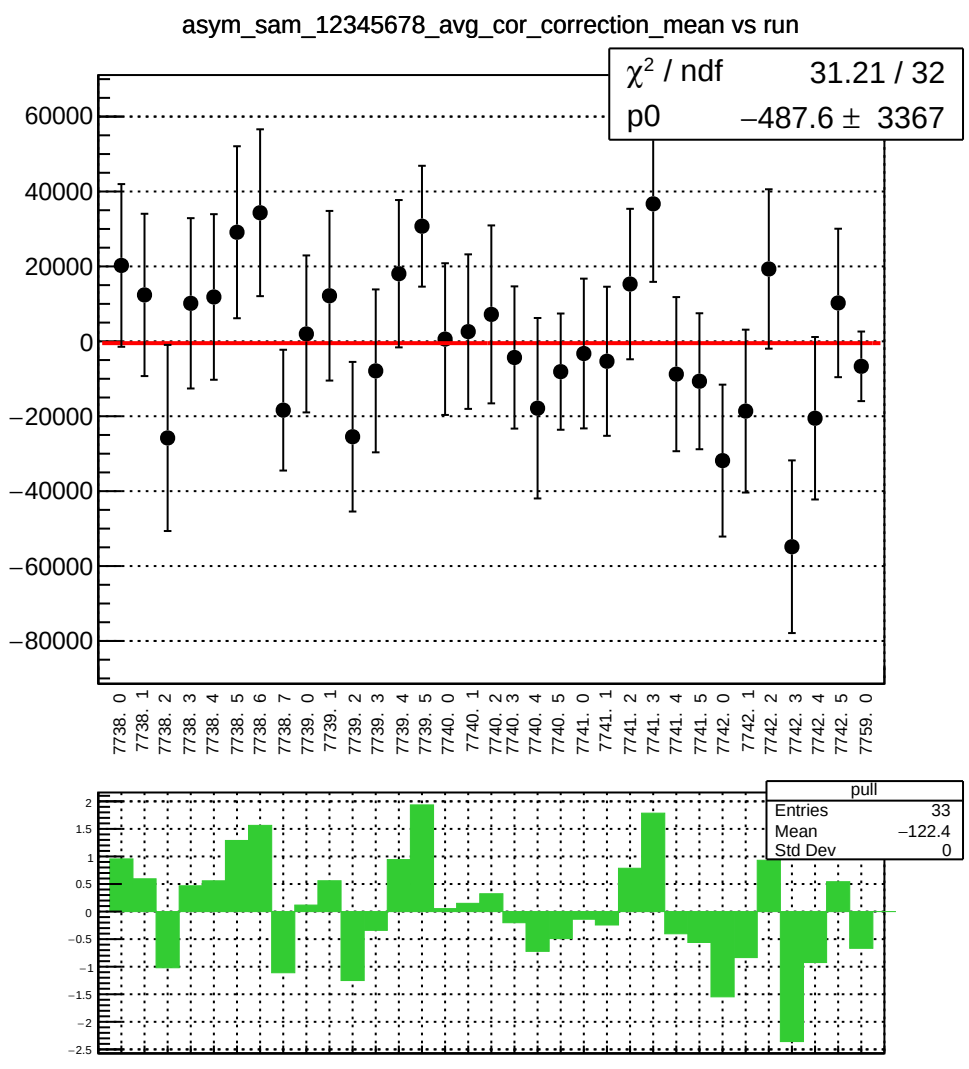

pull1D
Entries 33
Mean 0.02259
Std Dev 0.9722
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

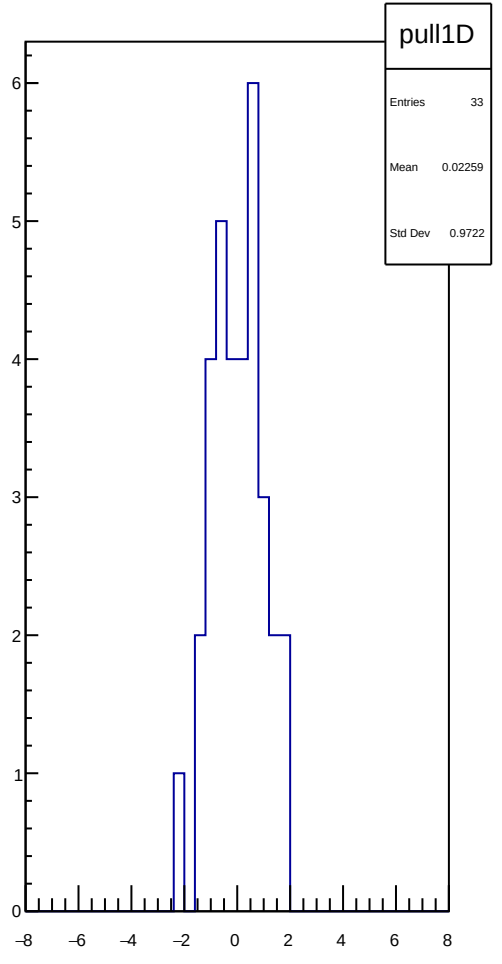

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 1.461e+04 / 32
p0 1917 ± 2.381
2400
2200
2000
1800
1600
1400
1200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

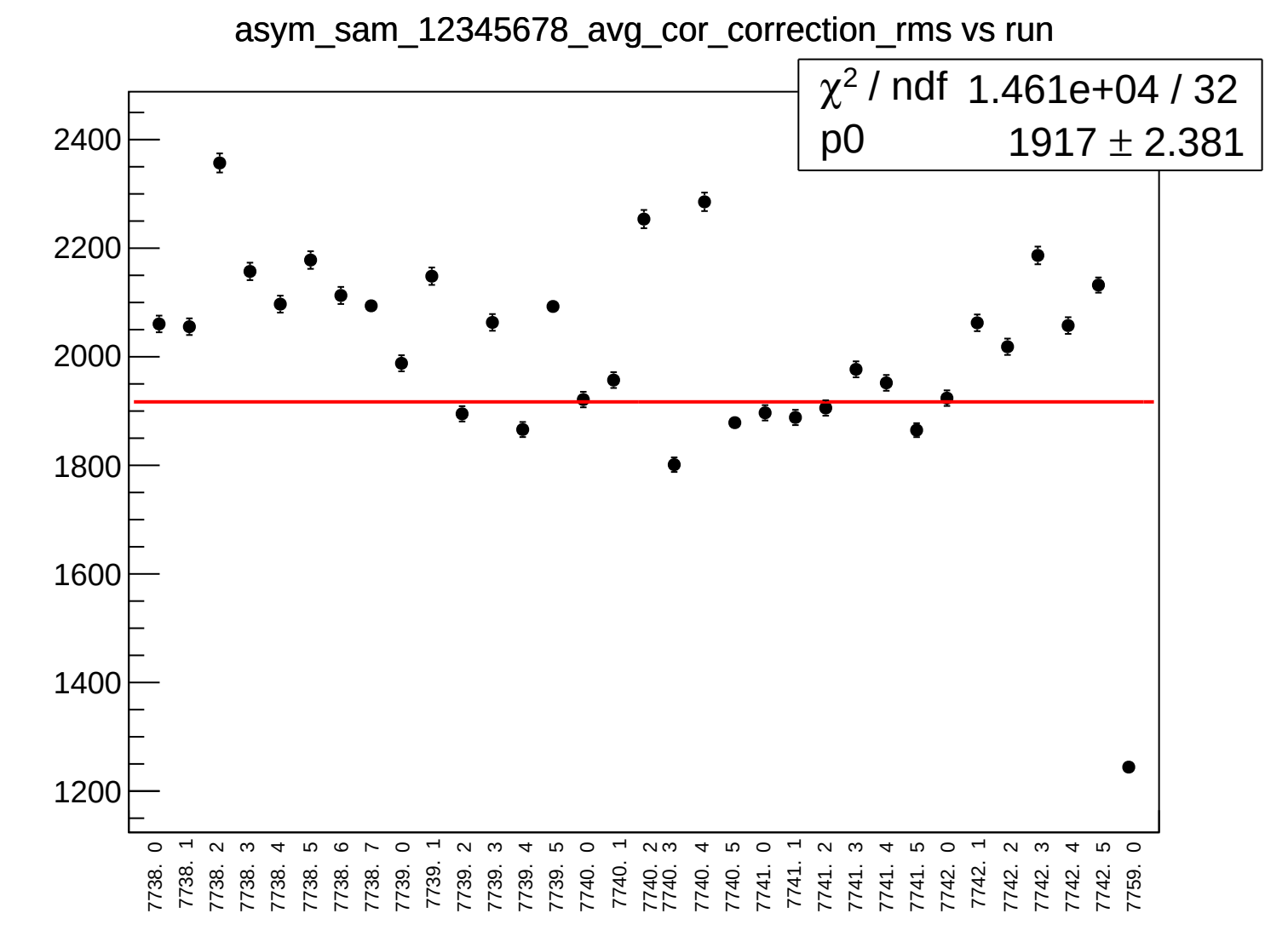

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 27 / 32
p0 359.1 ± 327
6000
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.9379
Std Dev 21.08
2
1.5
1
0.5
0
−0.5
−1
−1.5

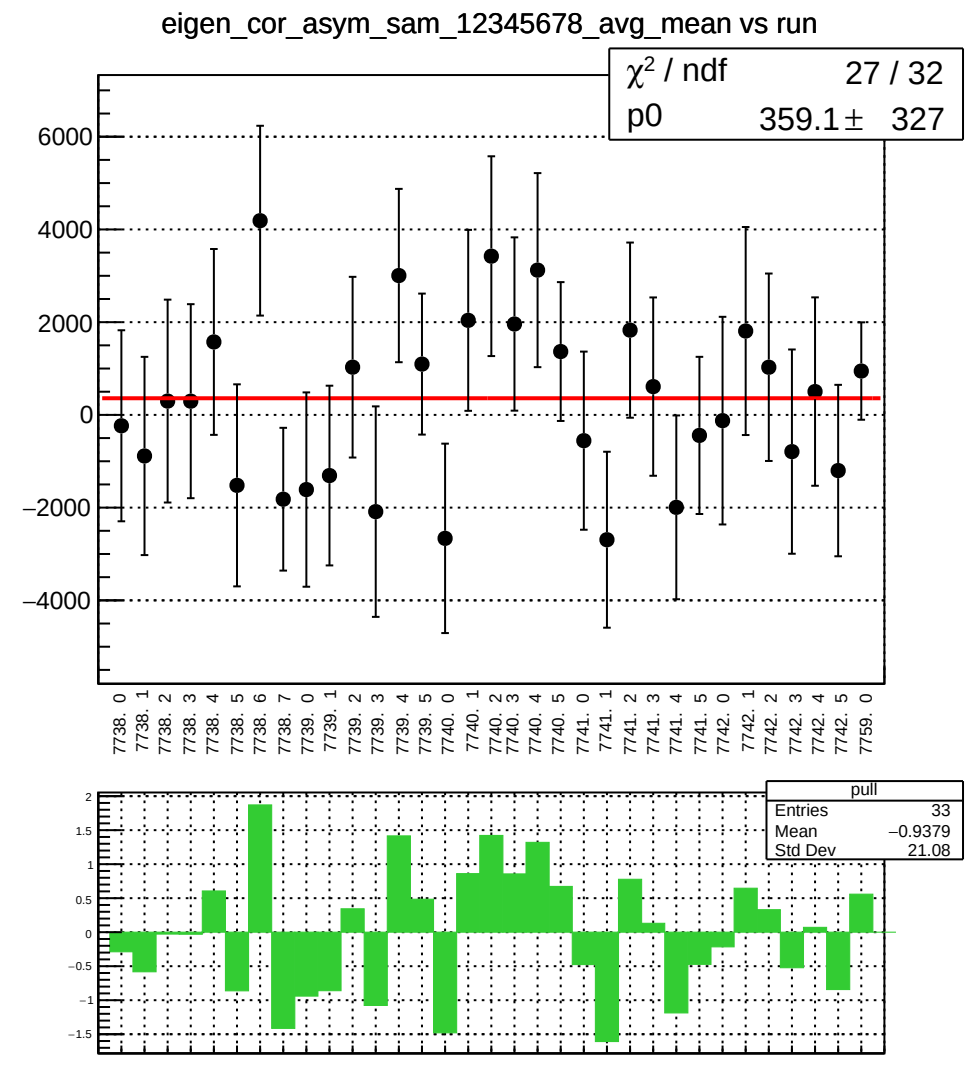

pull1D
Entries 33
Mean −0.01567
Std Dev 0.9044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

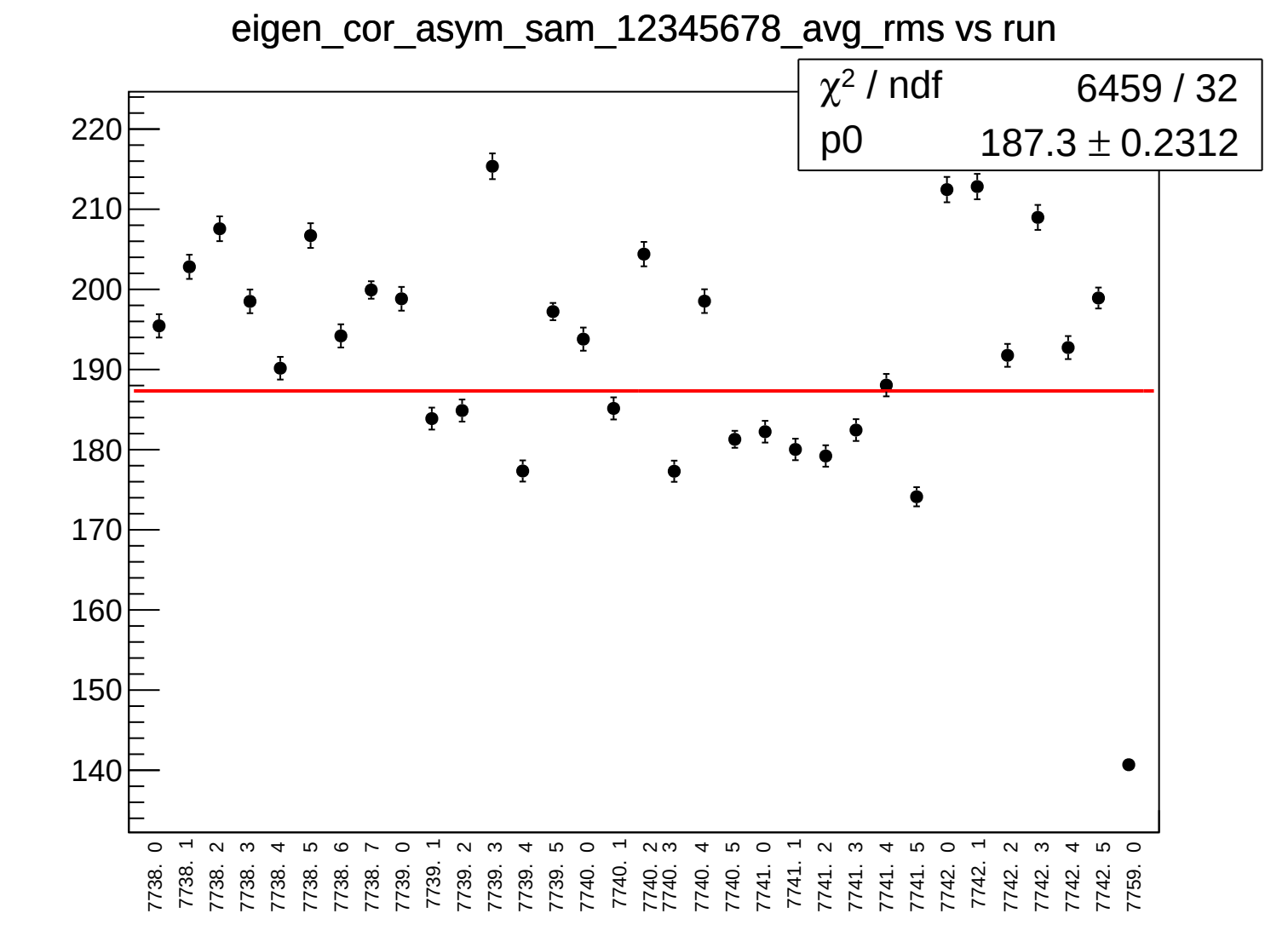

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 6459 / 32
p0 187.3 ± 0.2312
220
210
200
190
180
170
160
150
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

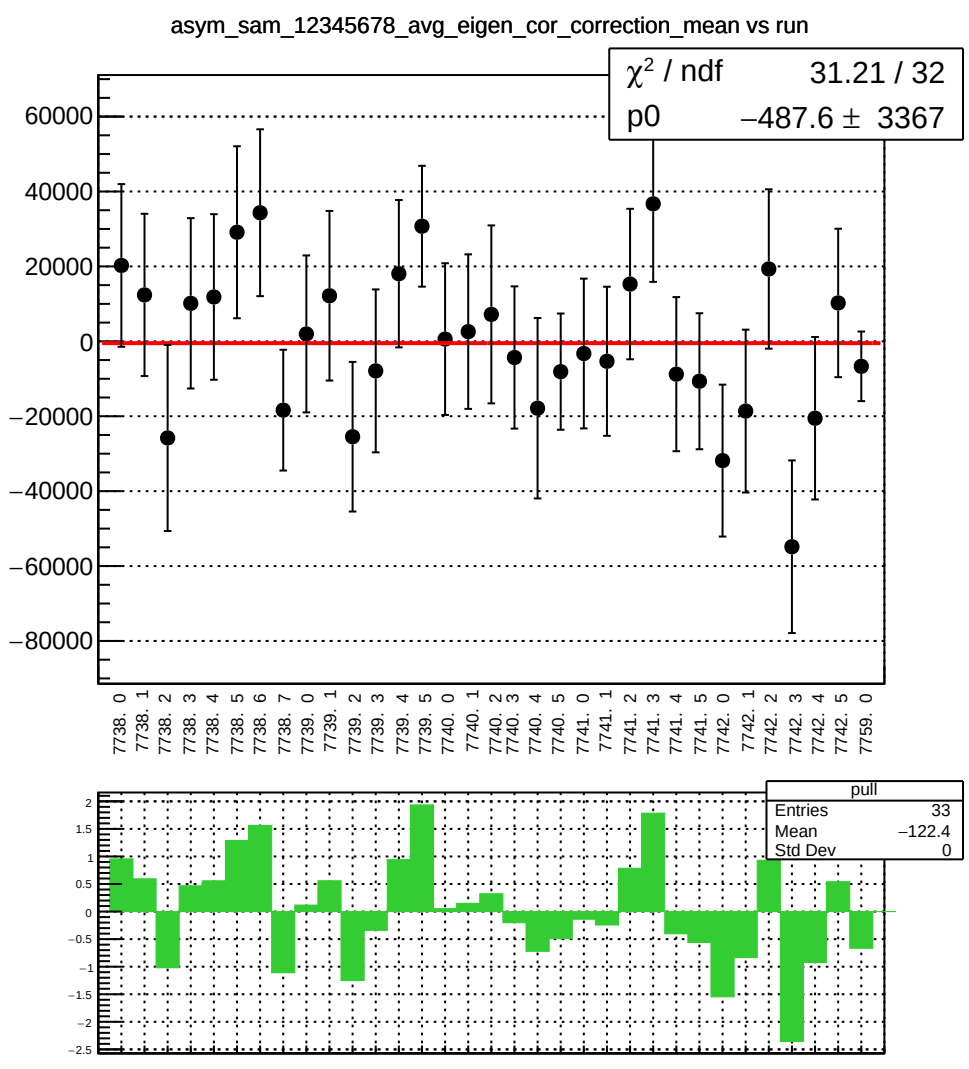

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 31.21 / 32
p0 −487.6 ± 3367
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

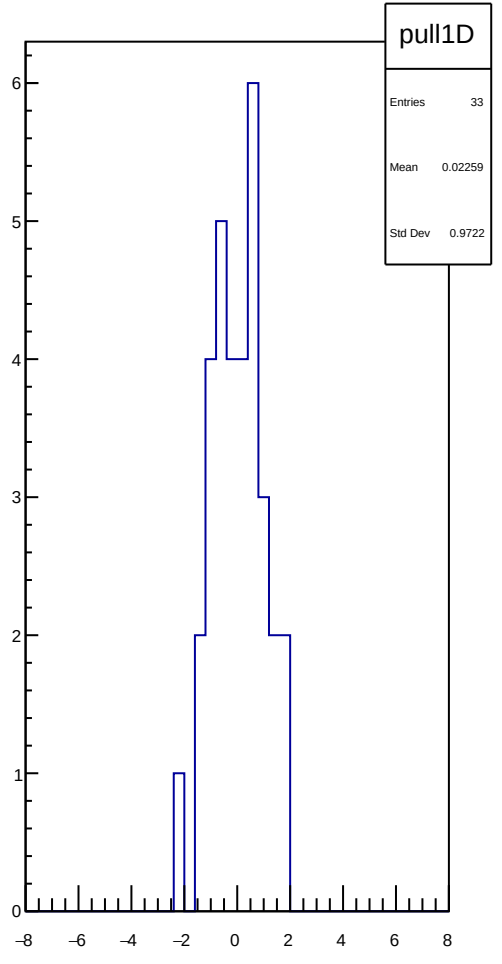

pull1D
Entries 33
Mean 0.02259
Std Dev 0.9722
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

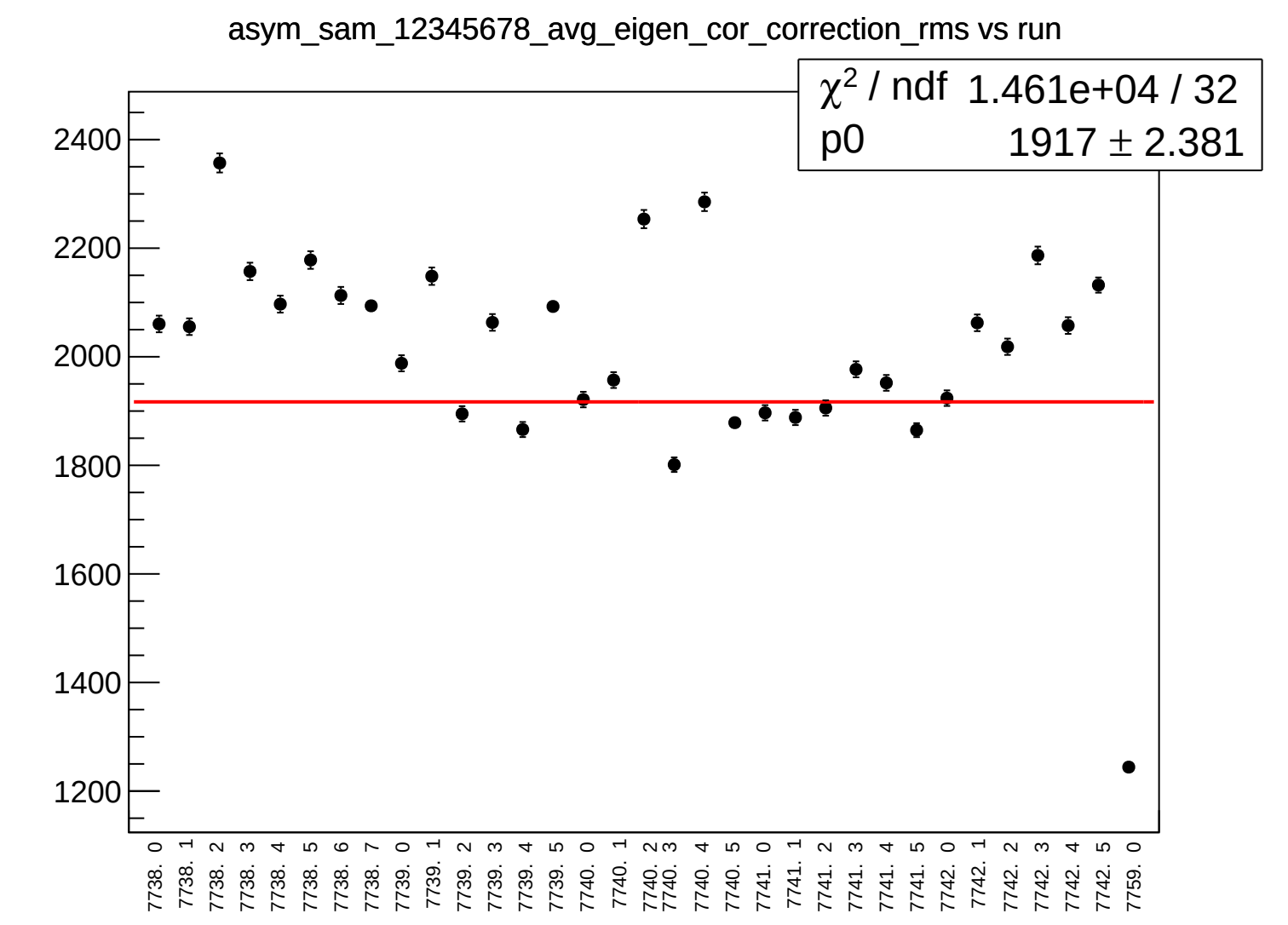

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 1.461e+04 / 32
p0 1917 ± 2.381
2400
2200
2000
1800
1600
1400
1200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

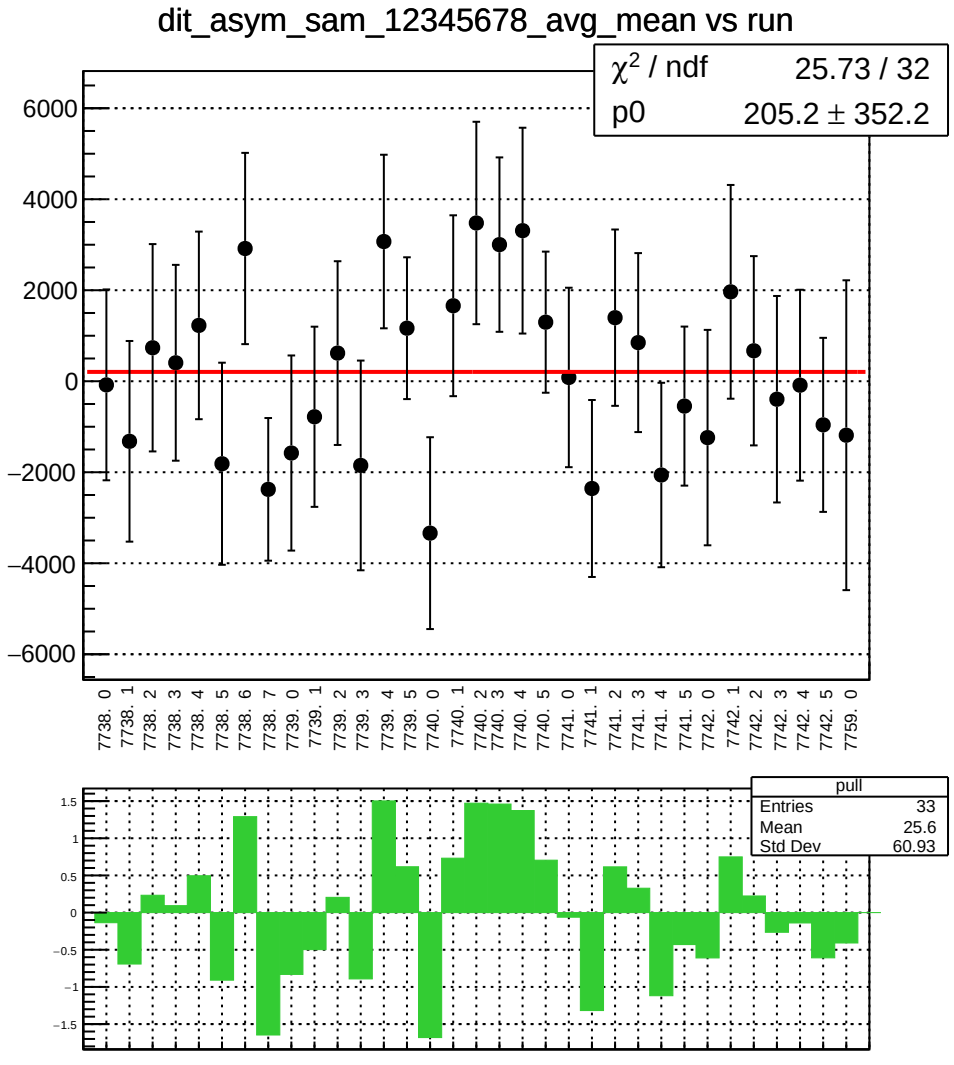

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 27 / 32
p0 359.1 ± 327
6000
4000
2000
0
−2000
−4000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.9379
Std Dev 21.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01567
Std Dev 0.9044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

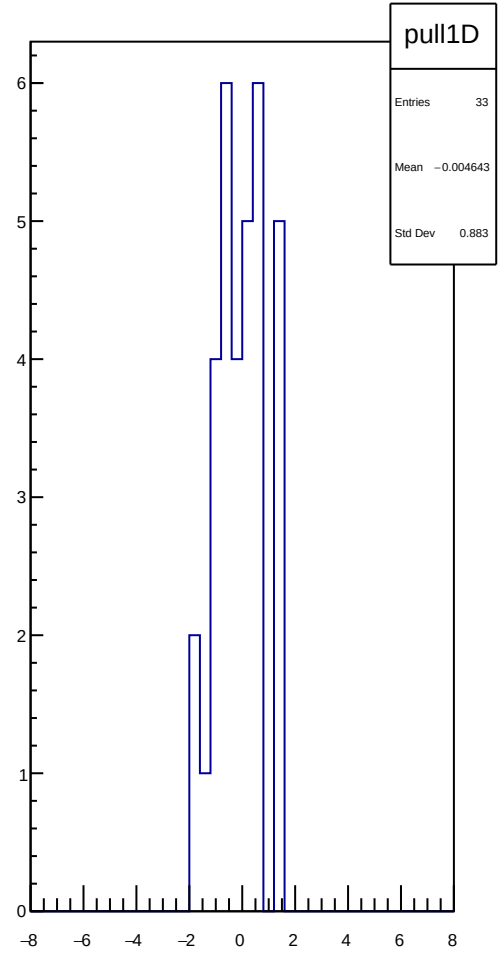

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 6459 / 32
p0 187.3 ± 0.2312
220
210
200
190
180
170
160
150
140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

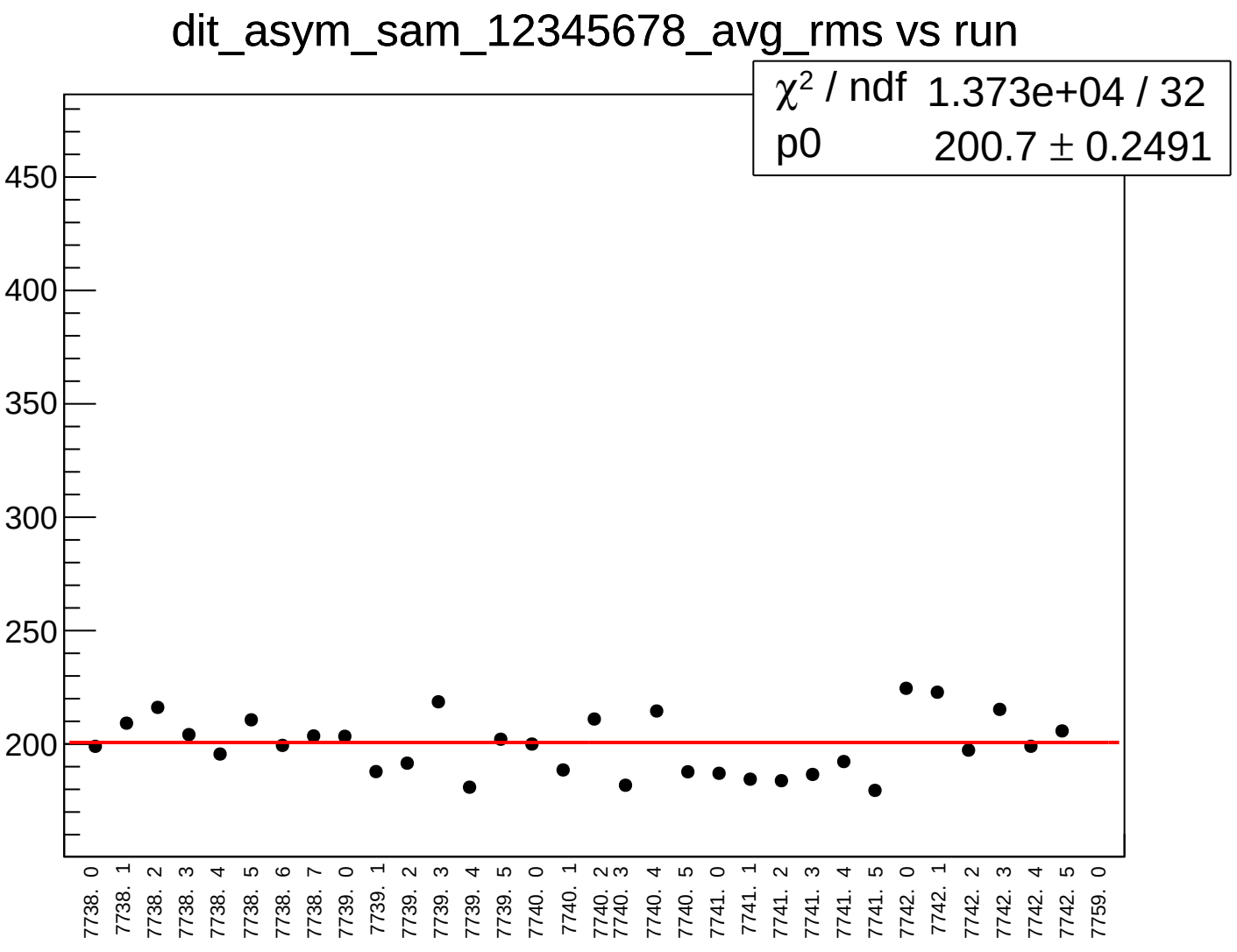

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 31.21 / 32
p0 −487.6 ± 3367
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −122.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

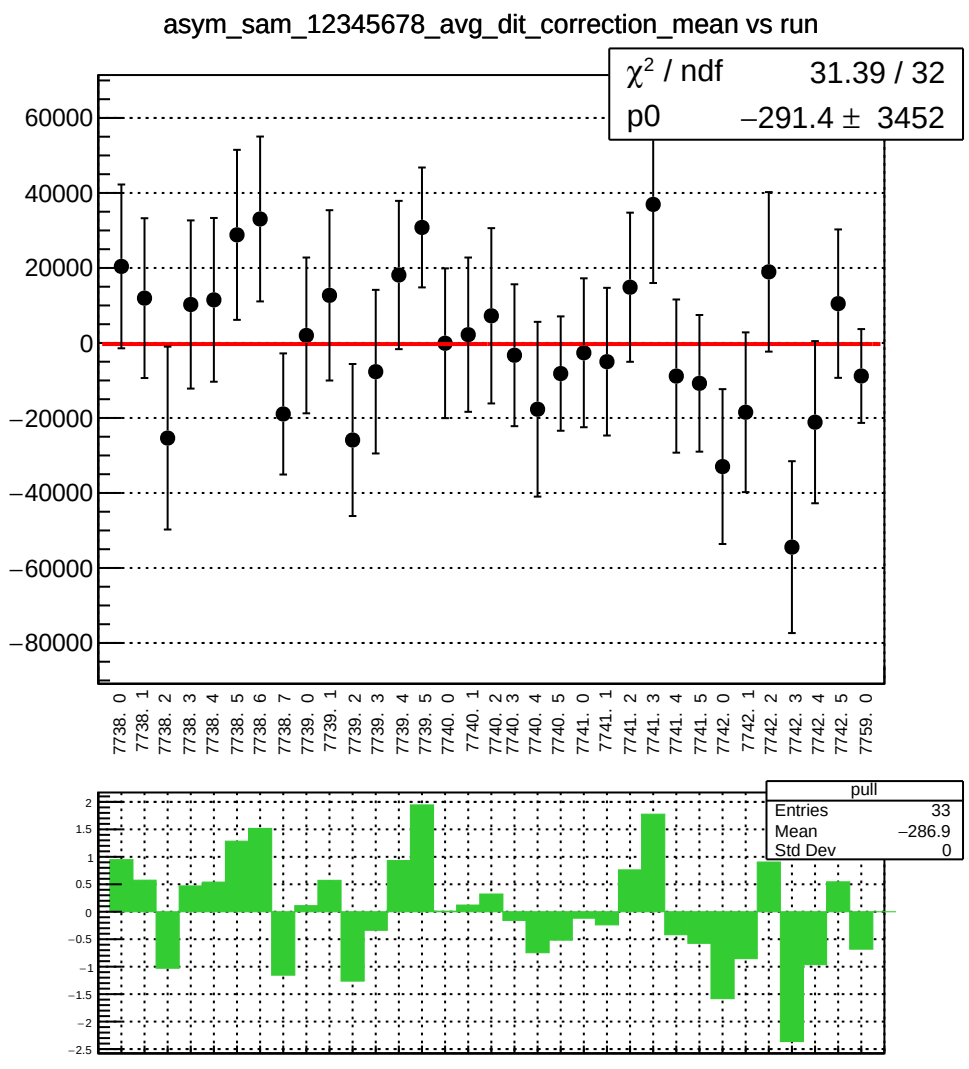

pull1D
Entries 33
Mean 0.02259
Std Dev 0.9722
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

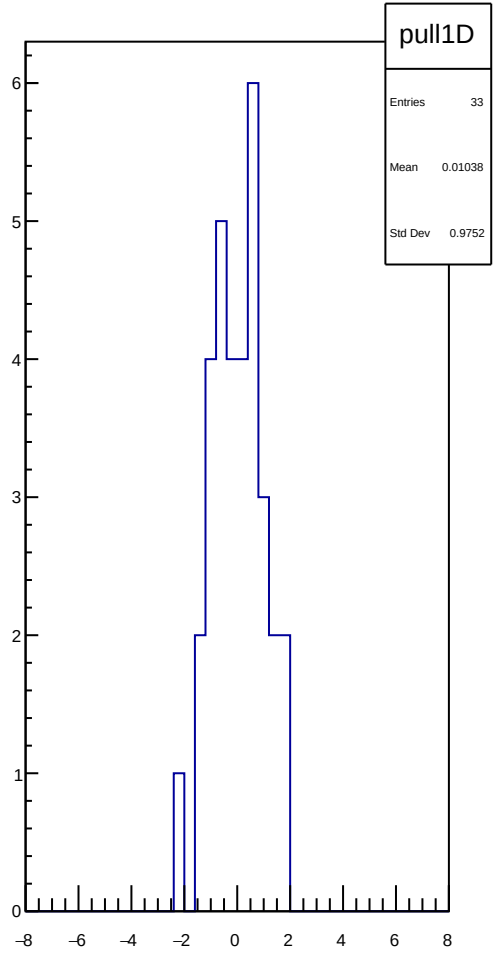

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.461e+04 / 32
p0 1917 ± 2.381
2400
2200
2000
1800
1600
1400
1200
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

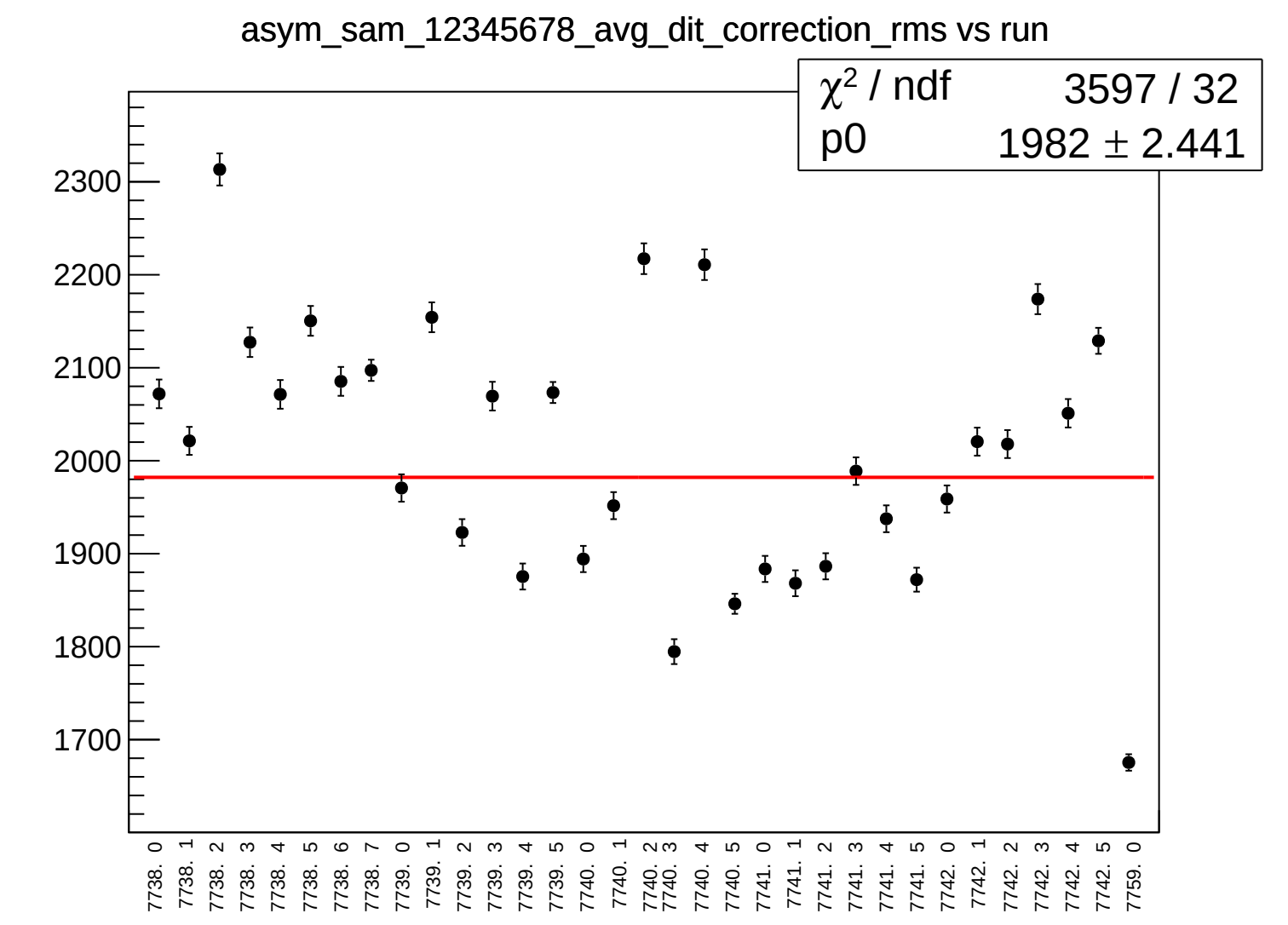

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 25.73 / 32
p0 205.2 ± 352.2
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 25.6
Std Dev 60.93
1.5
1
0.5
0
−0.5
−1
−1.5

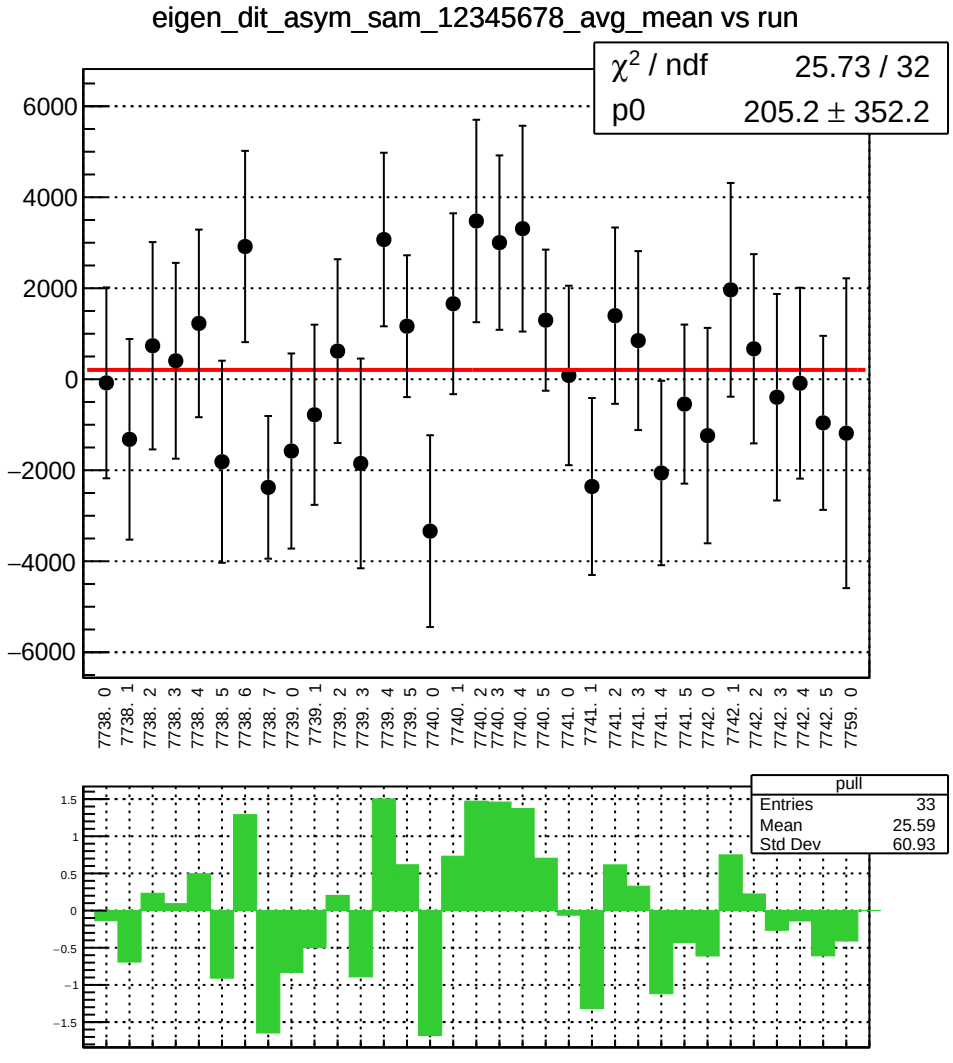

pull1D
Entries 33
Mean −0.004643
Std Dev 0.883
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

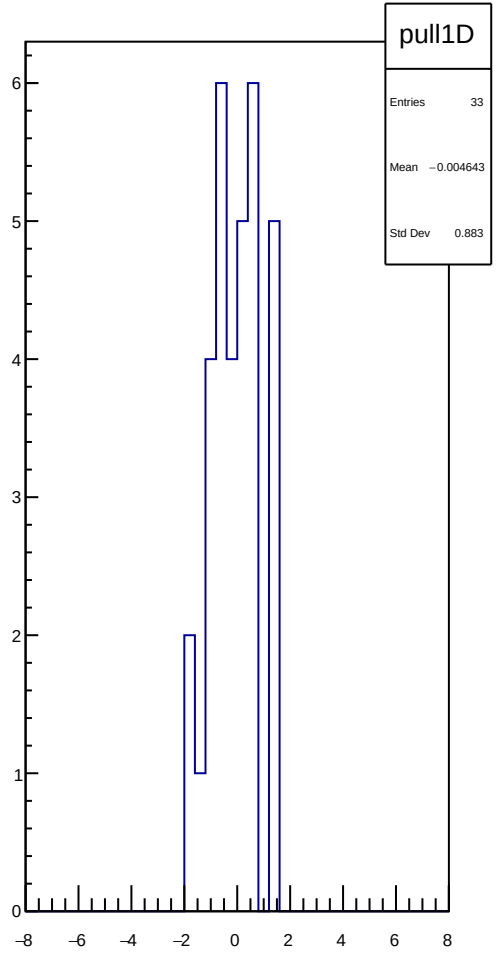

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.373e+04 / 32
p0 200.7 ± 0.2491
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

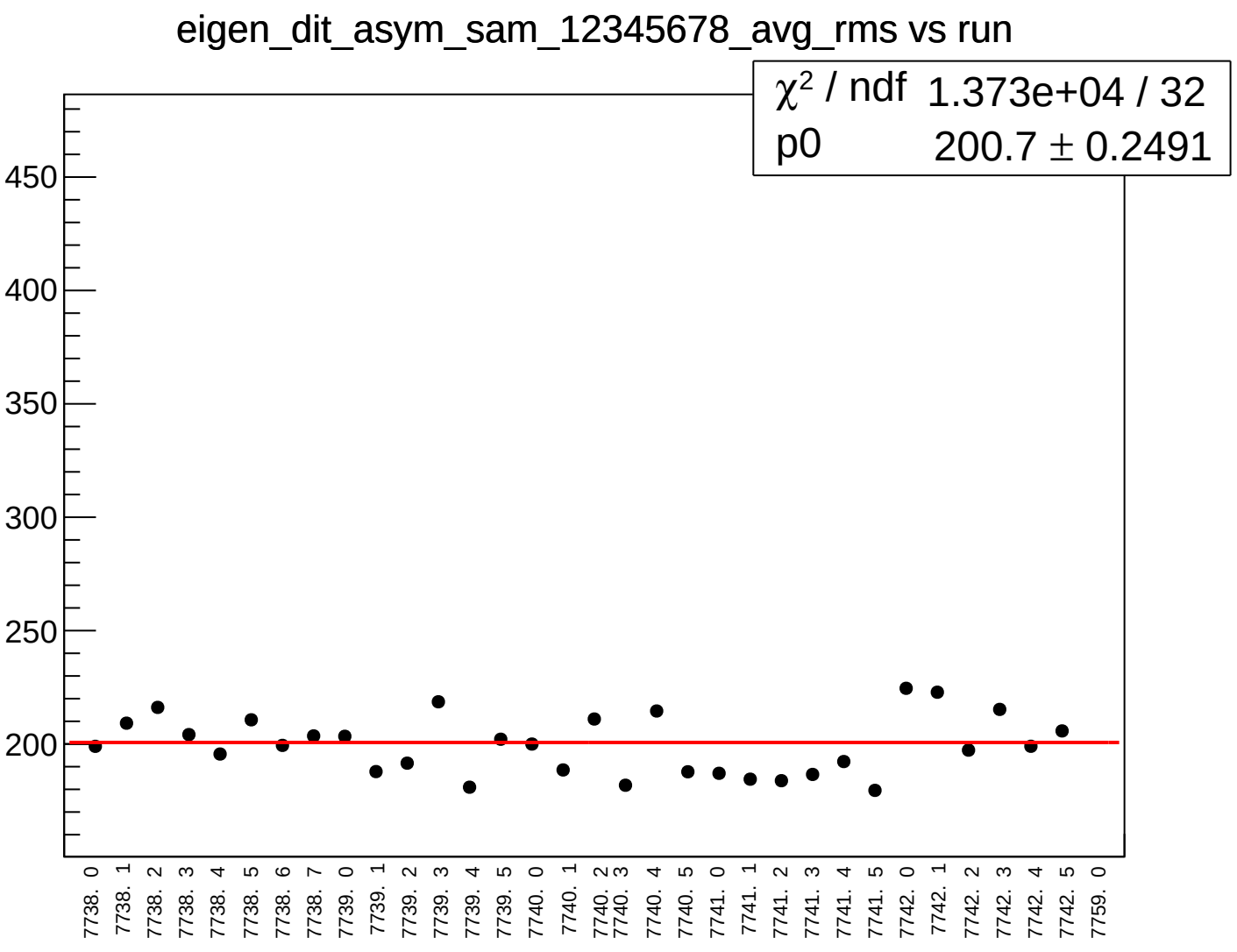

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 31.39 / 32
p0 −291.4 ± 3452
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −286.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

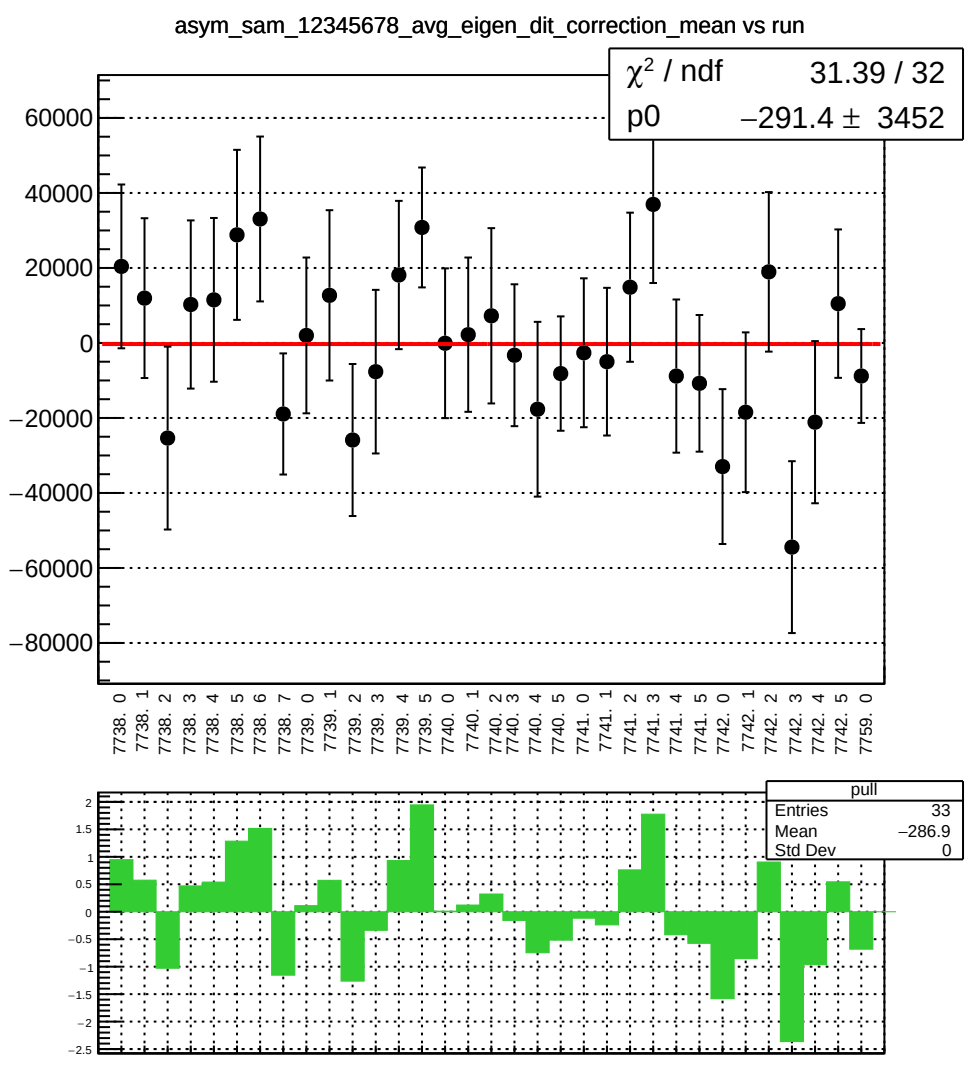

pull1D
Entries 33
Mean 0.01038
Std Dev 0.9752
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

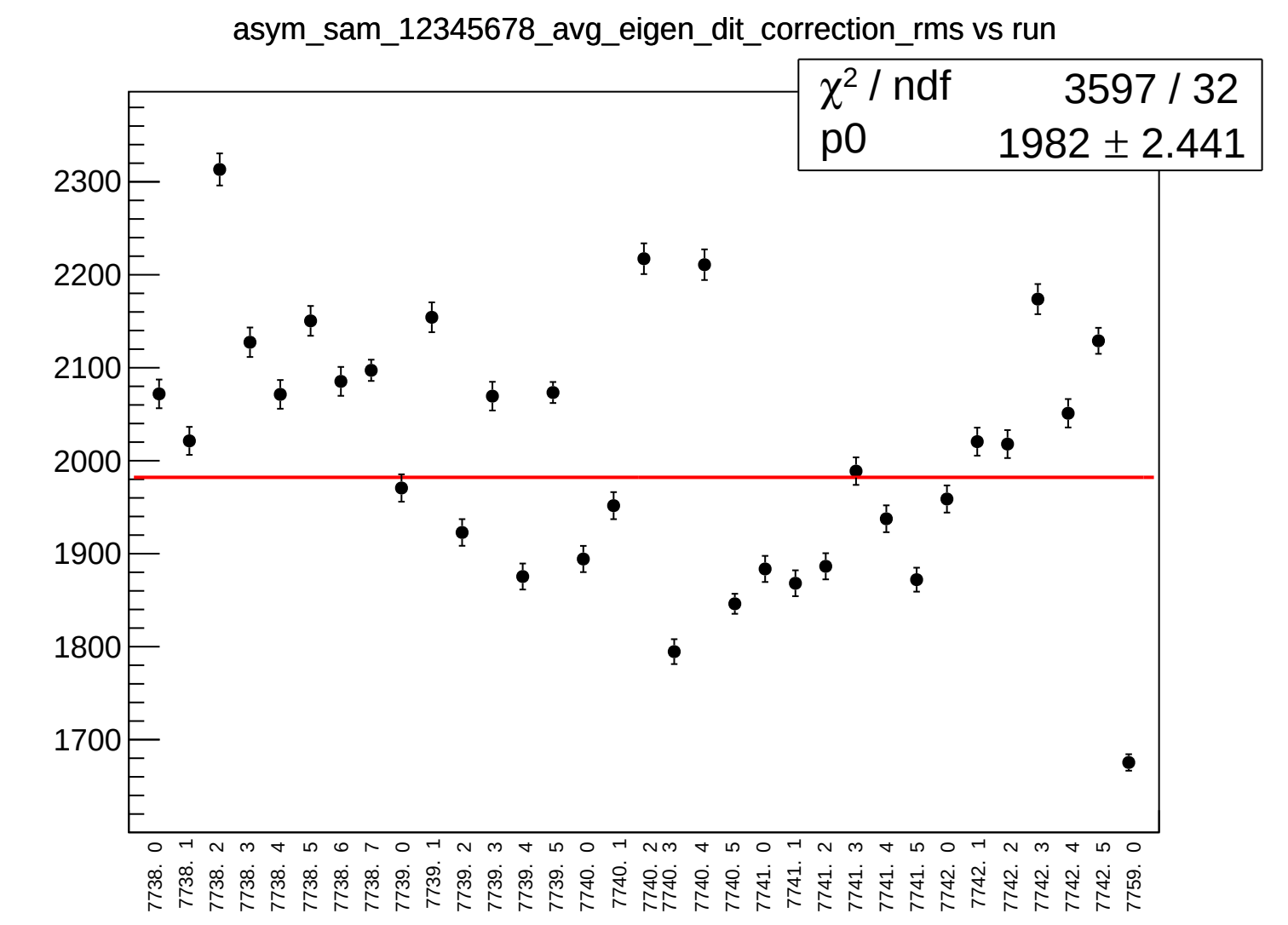

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 3597 / 32
p0 1982 ± 2.441
2300
2200
2100
2000
1900
1800
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

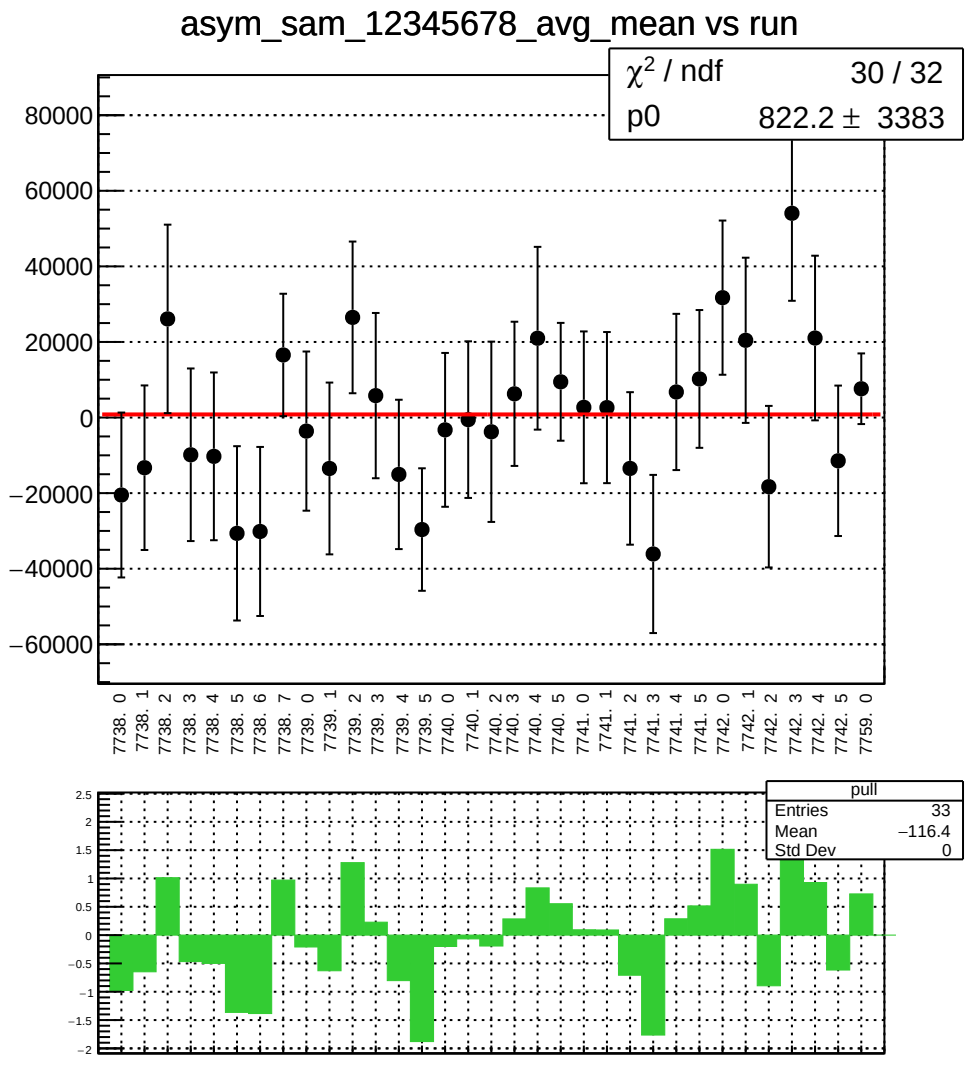

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 25.73 / 32
p0 205.2 ± 352.2
6000
4000
2000
0
−2000
−4000
−6000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 25.59
Std Dev 60.93
1.5
1
0.5
0
−0.5
−1
−1.5

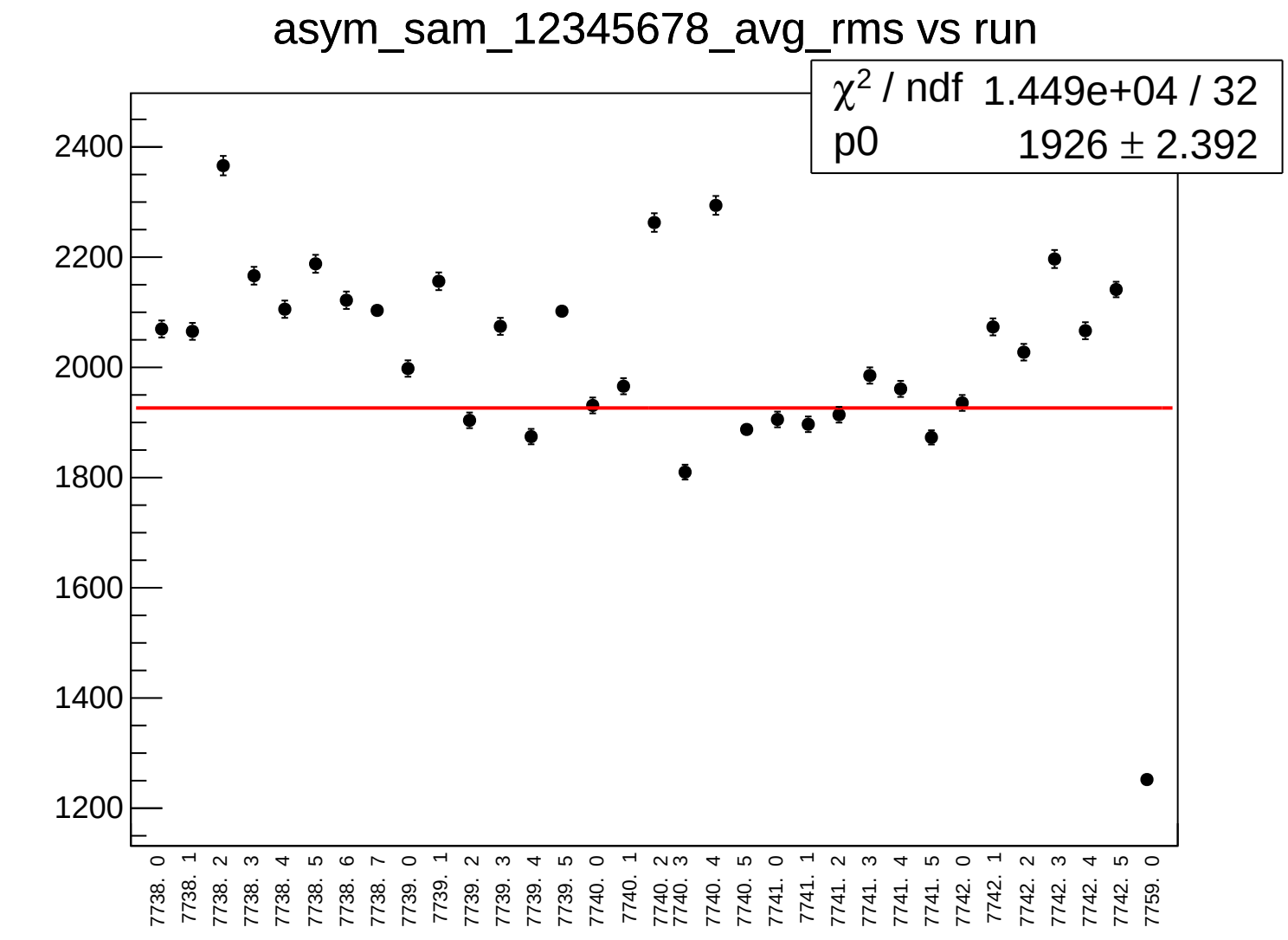

pull1D
Entries 33
Mean −0.004643
Std Dev 0.883
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

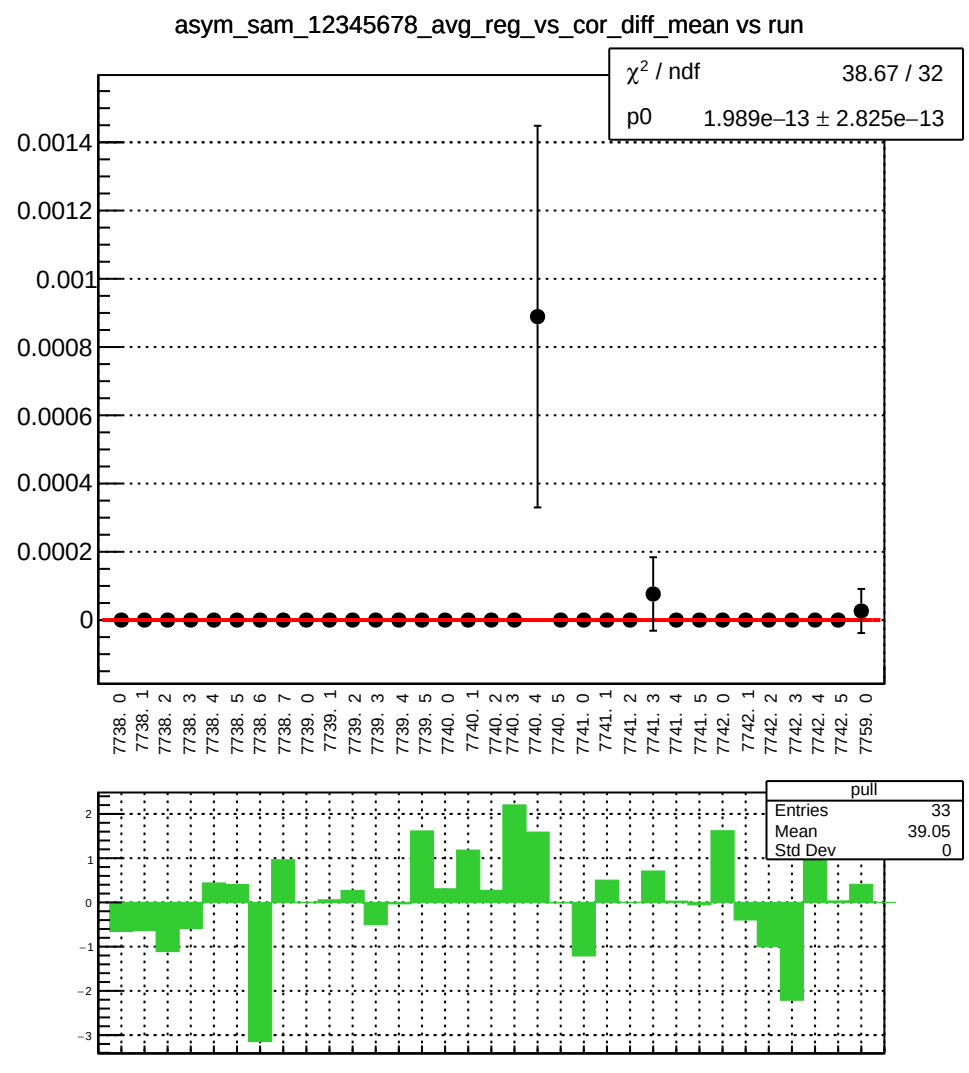

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.373e+04 / 32
p0 200.7 ± 0.2491
450
400
350
300
250
200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

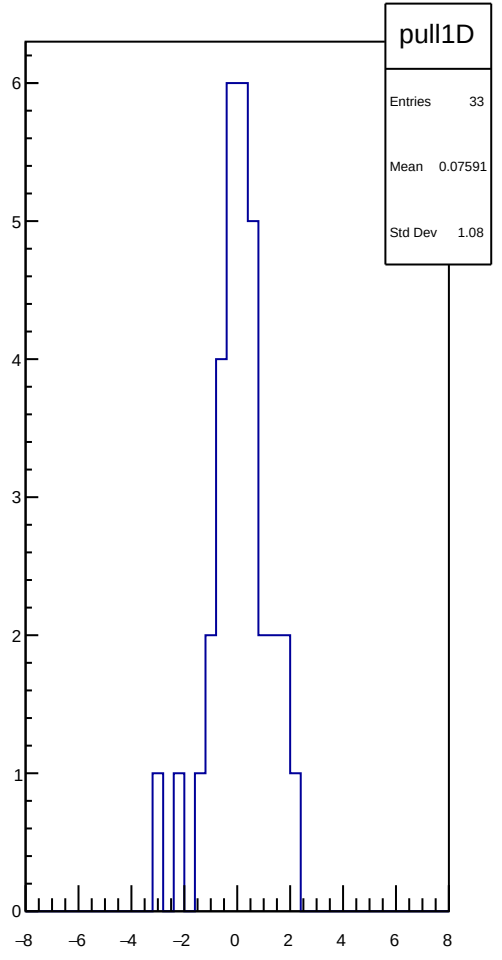

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.39 / 32
p0 −291.4 ± 3452
60000
40000
20000
0
−20000
−40000
−60000
−80000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −286.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01038
Std Dev 0.9752
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

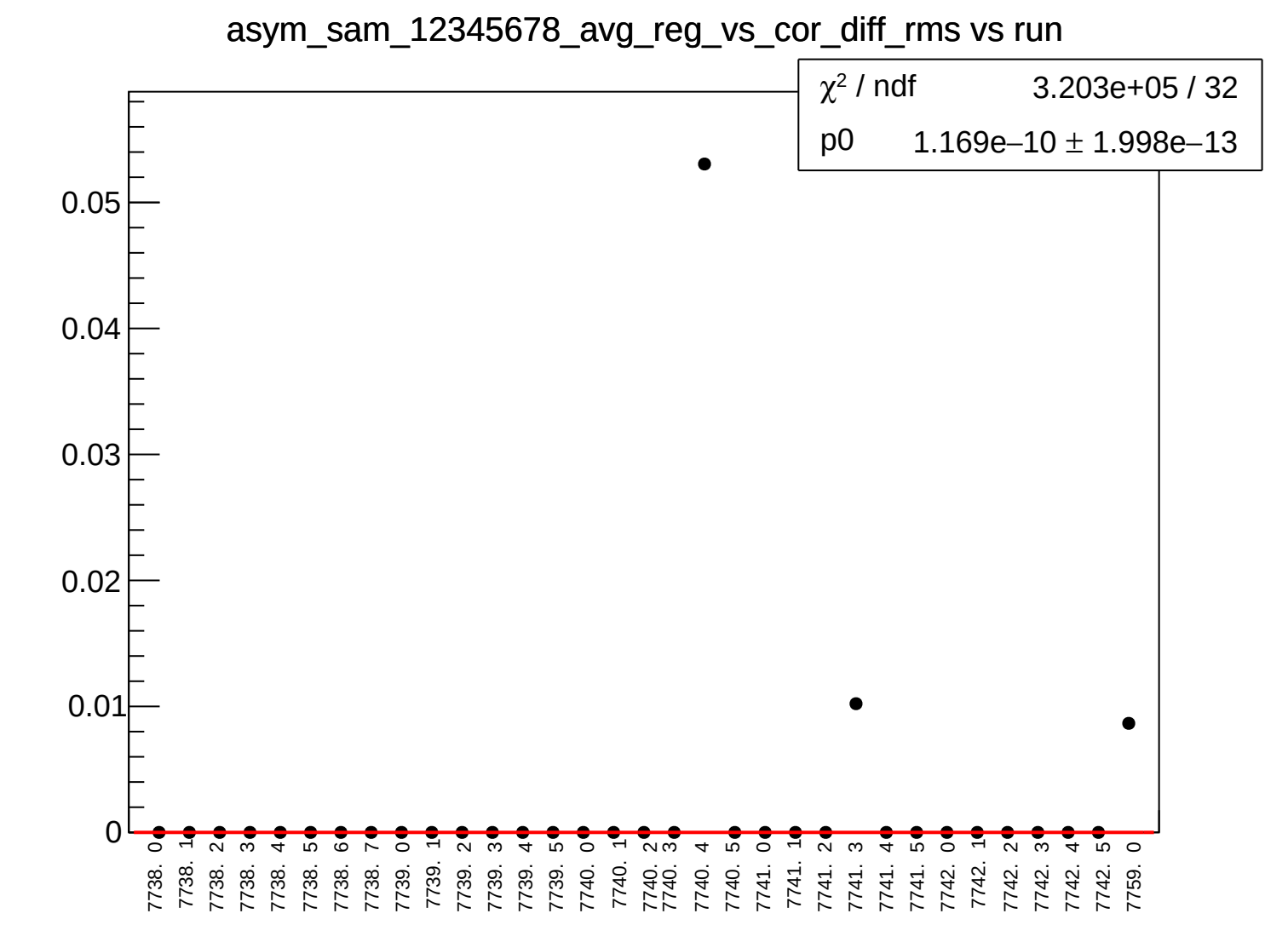

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 3597 / 32
p0 1982 ± 2.441
2300
2200
2100
2000
1900
1800
1700
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

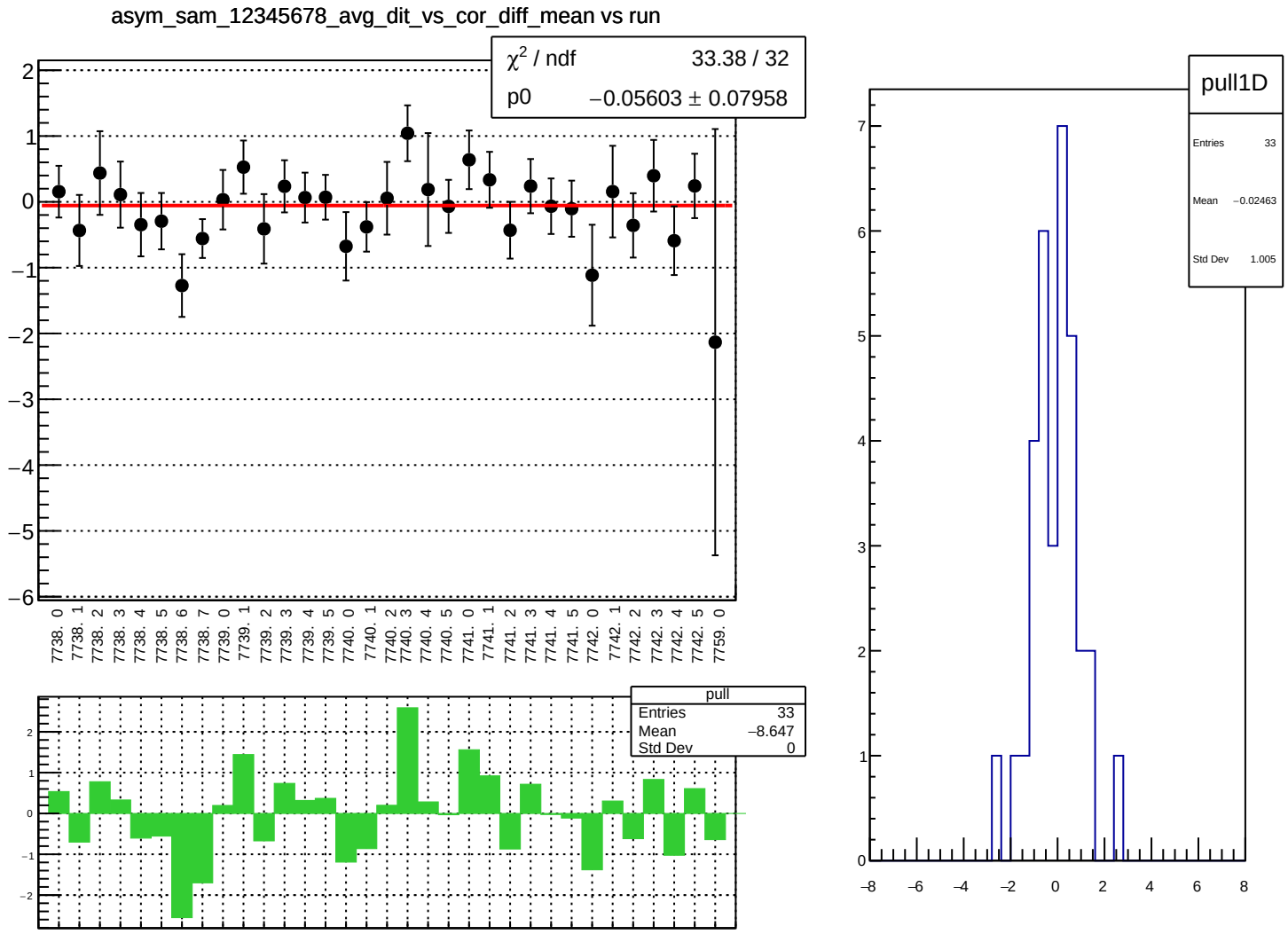

asym_sam_12345678_avg_mean vs run
χ² / ndf 30 / 32
p0 822.2 ± 3383
80000
60000
40000
20000
0
−20000
−40000
−60000
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −116.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02378
Std Dev 0.9531
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

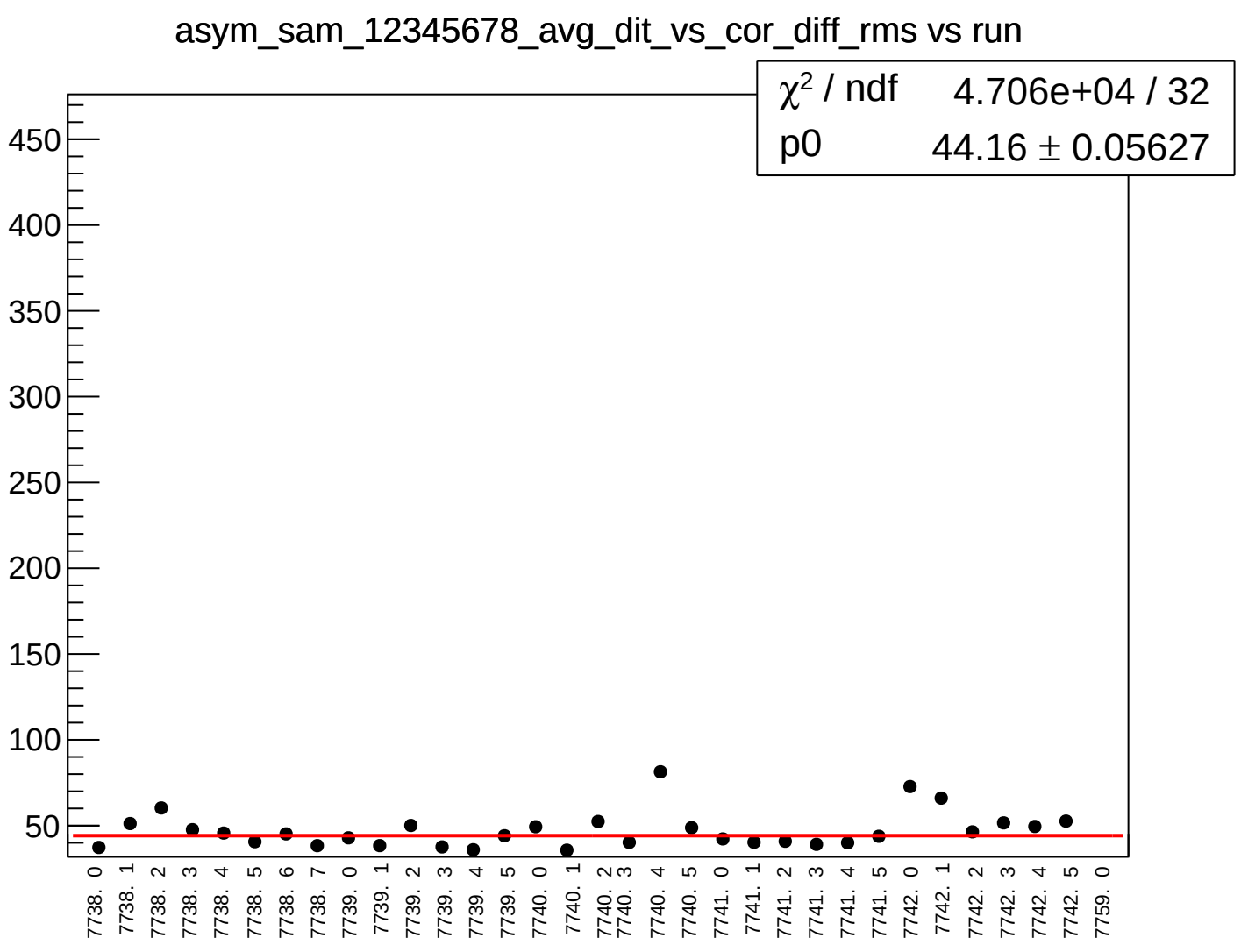

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.449e+04 / 32
p0 1926 ± 2.392
2400
2200
2000
1800
1600
1400
1200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

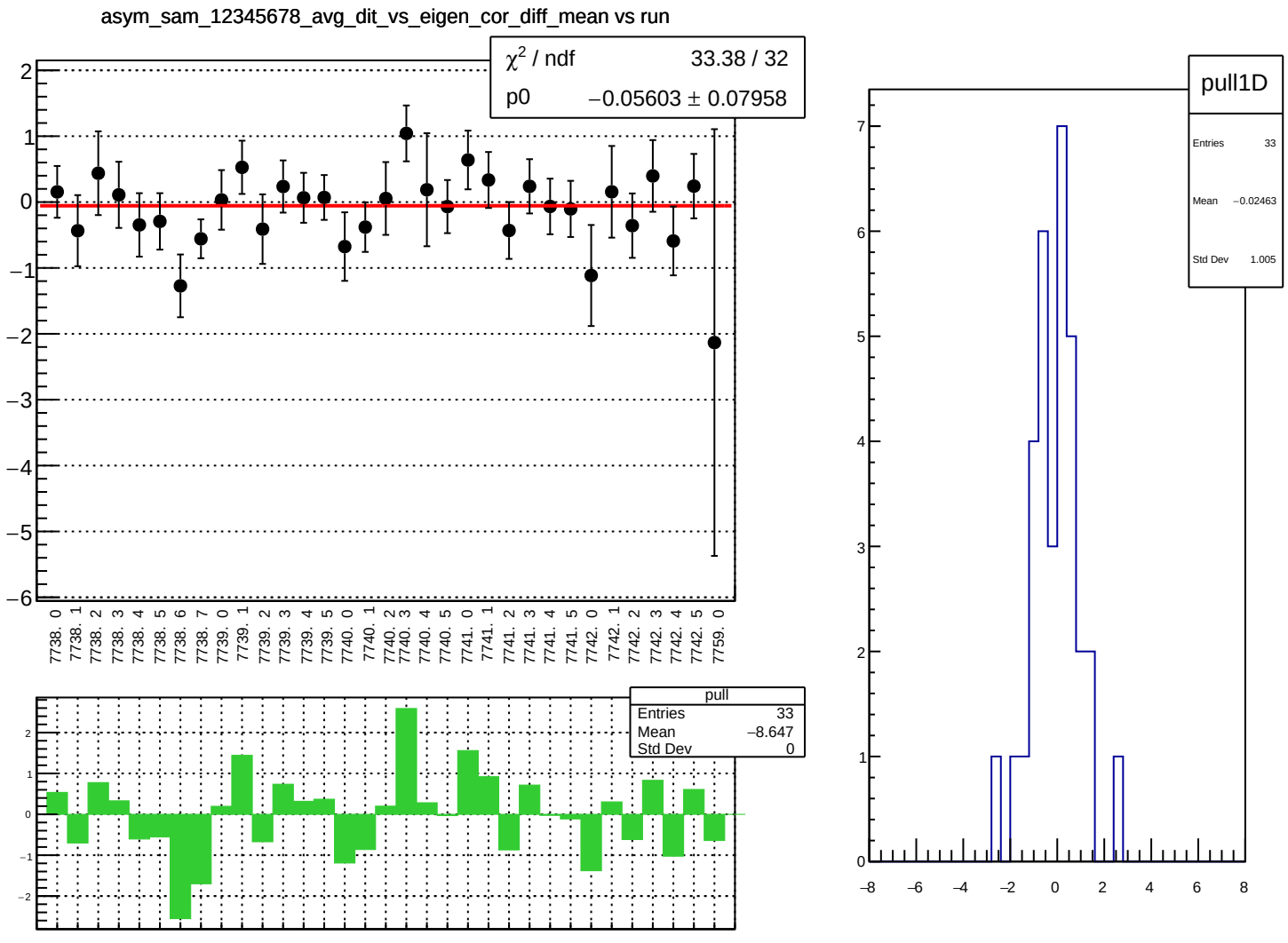

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 38.67 / 32
p0 1.989e−13 ± 2.825e−13
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 39.05
Std Dev 0
2
1
0
−1
−2
−3

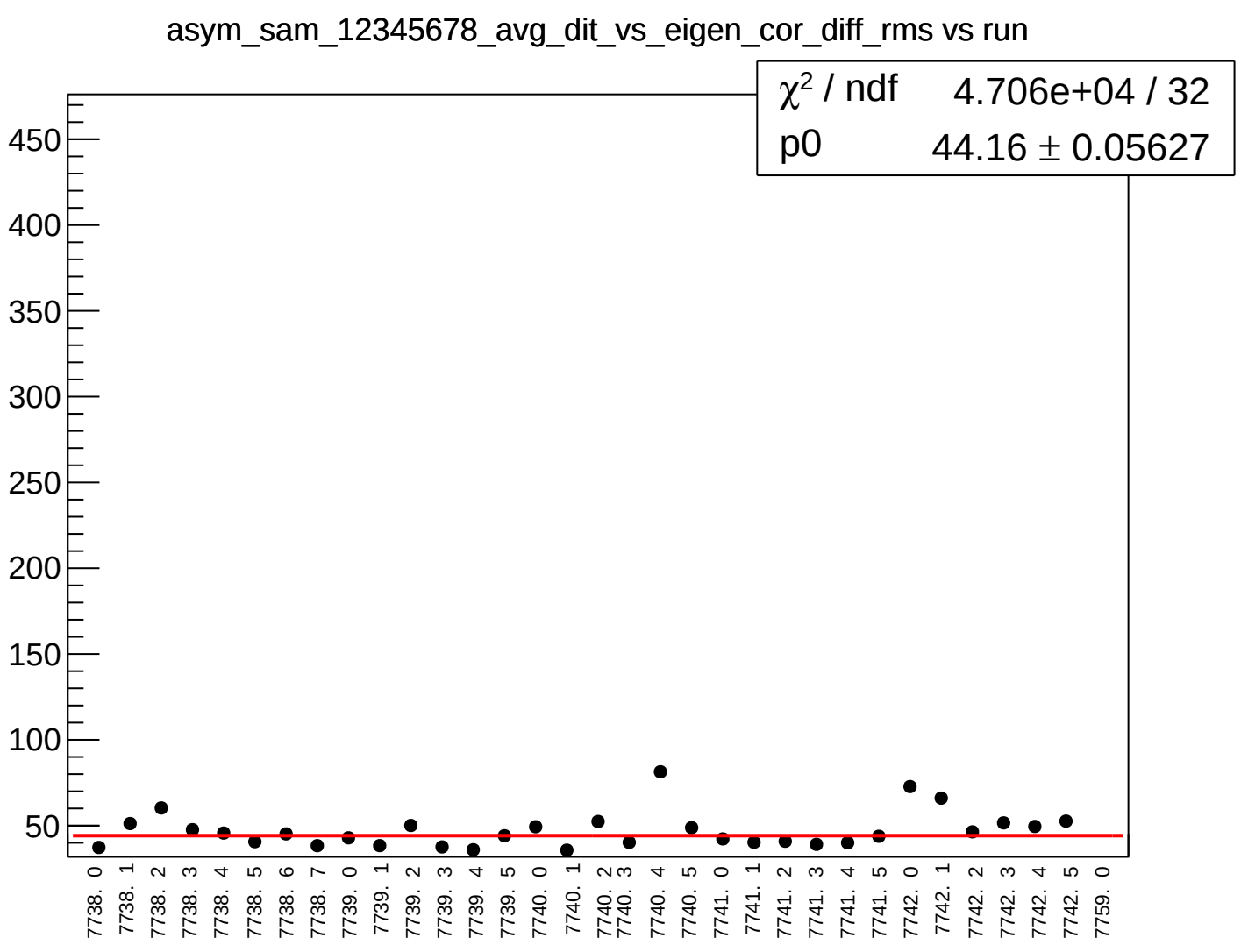

pull1D
Entries 33
Mean 0.07591
Std Dev 1.08
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

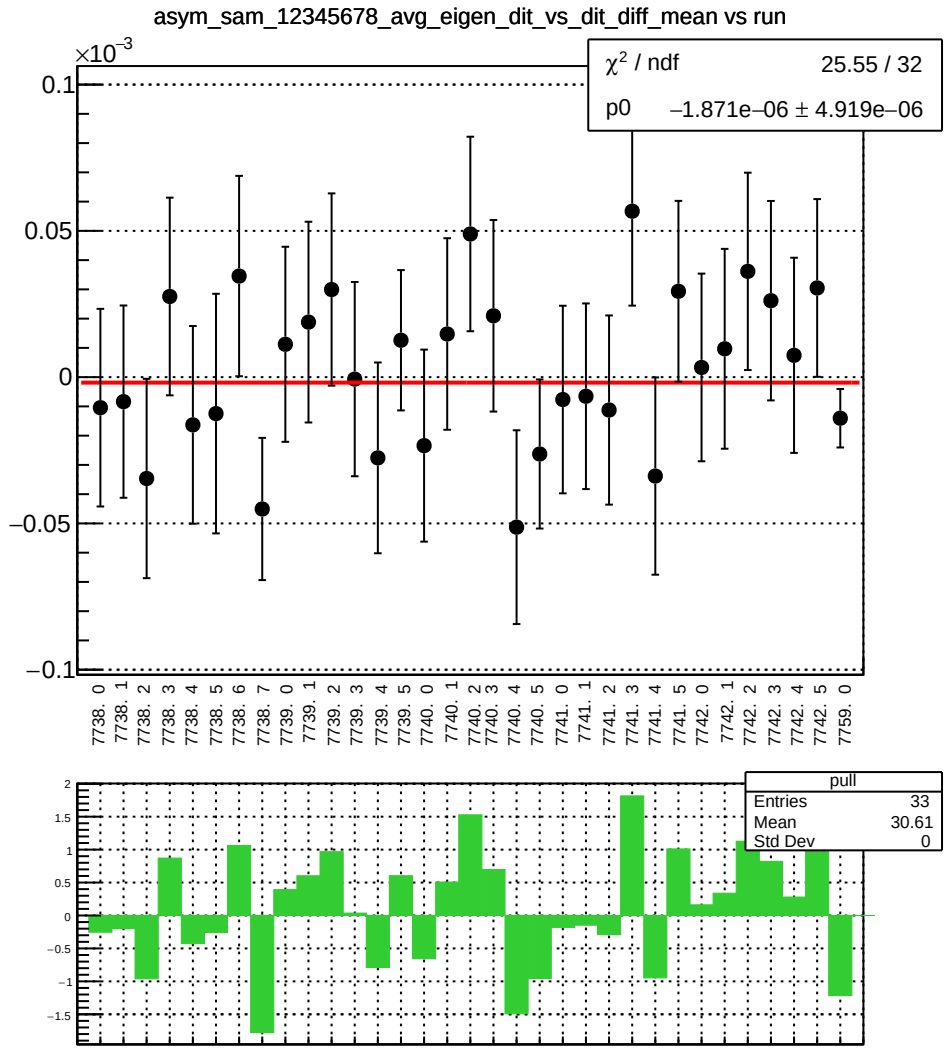

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.203e+05 / 32
p0 1.169e−10 ± 1.998e−13
0.05
0.04
0.03
0.02
0.01
0
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

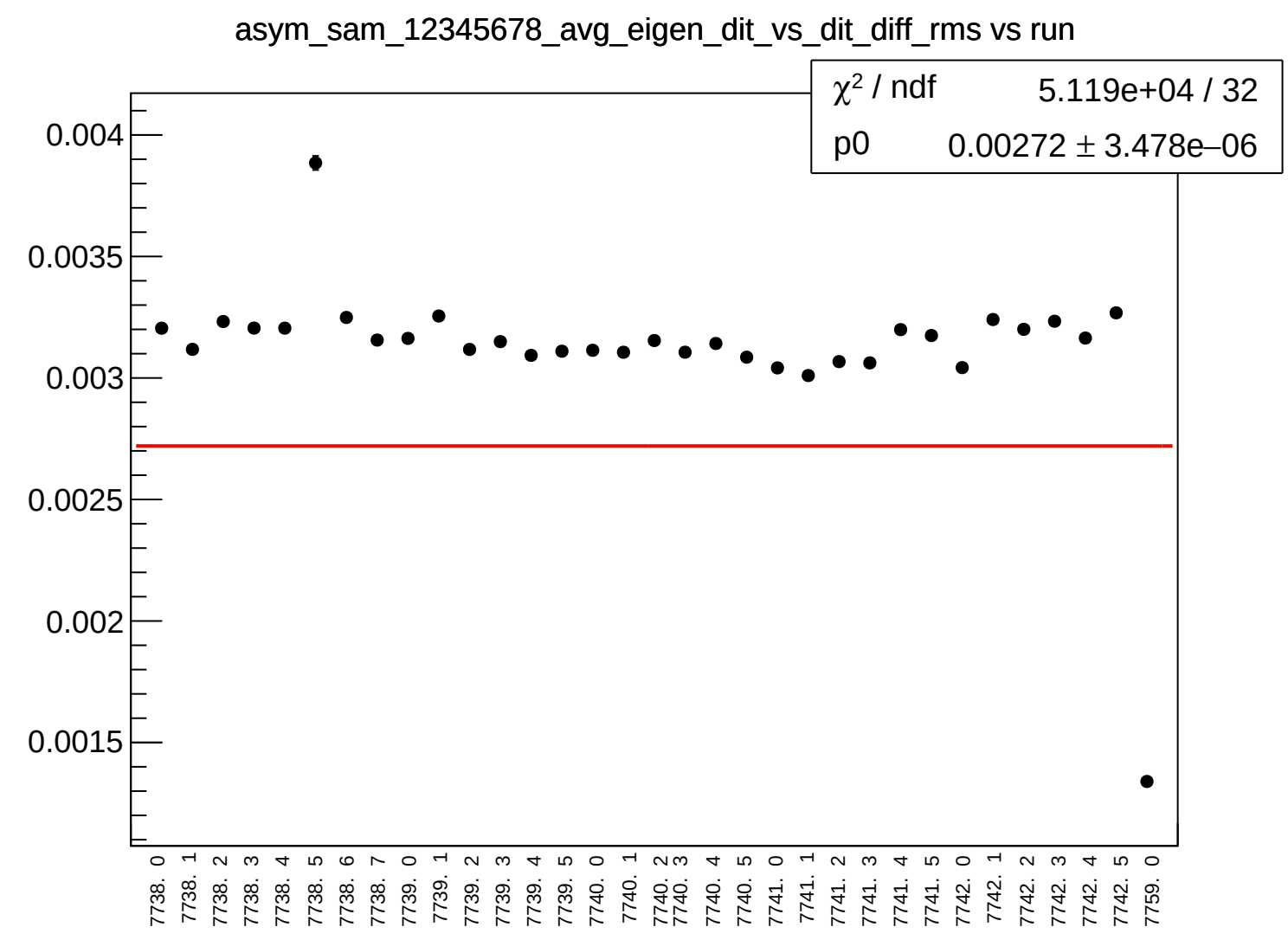

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 33.38 / 32
p0 −0.05603 ± 0.07958
pull
Entries 33
Mean −8.647
Std Dev 0
pull1D
Entries 33
Mean −0.02463
Std Dev 1.005

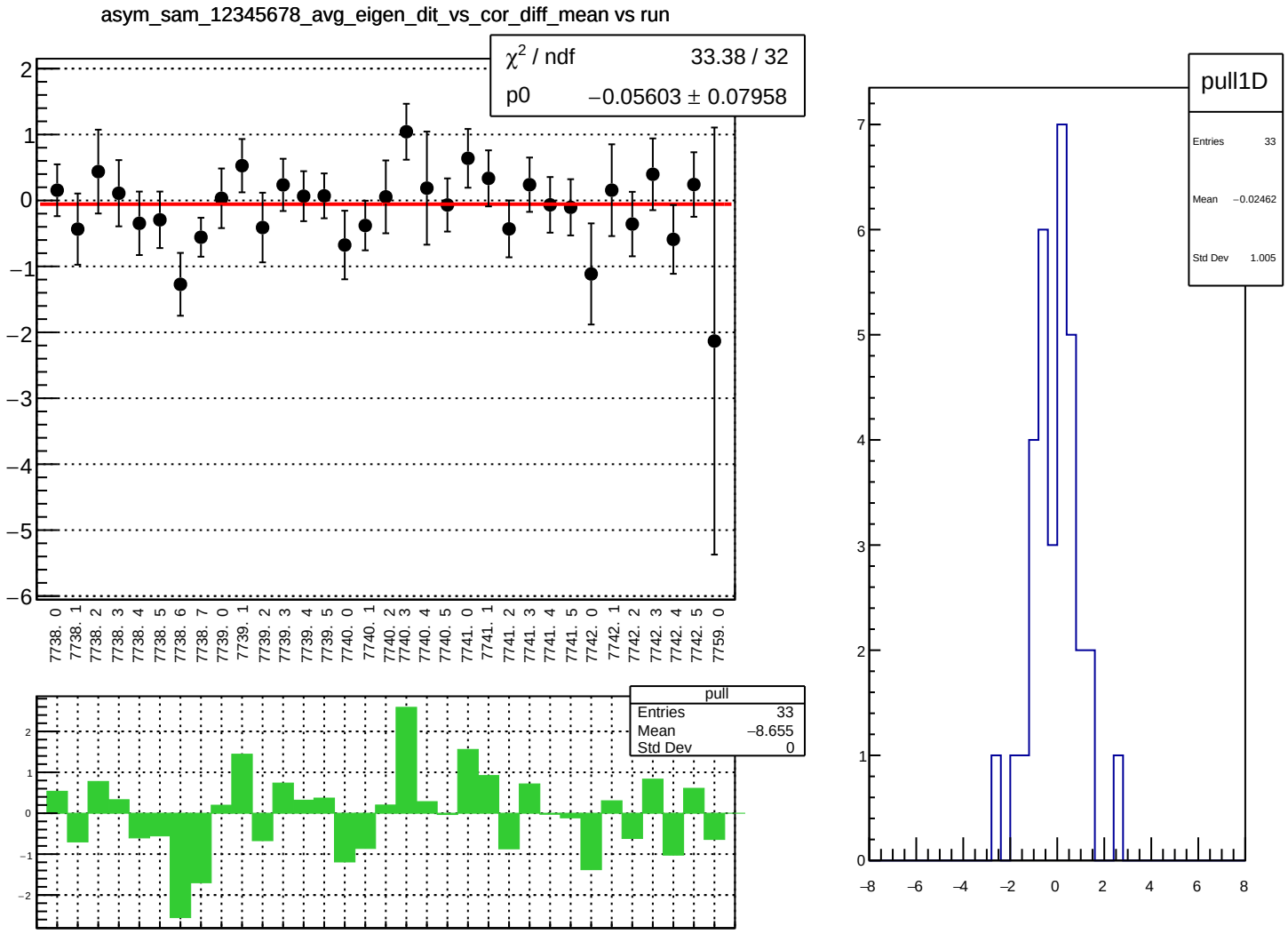

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.706e+04 / 32
p0 44.16 ± 0.05627
450
400
350
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

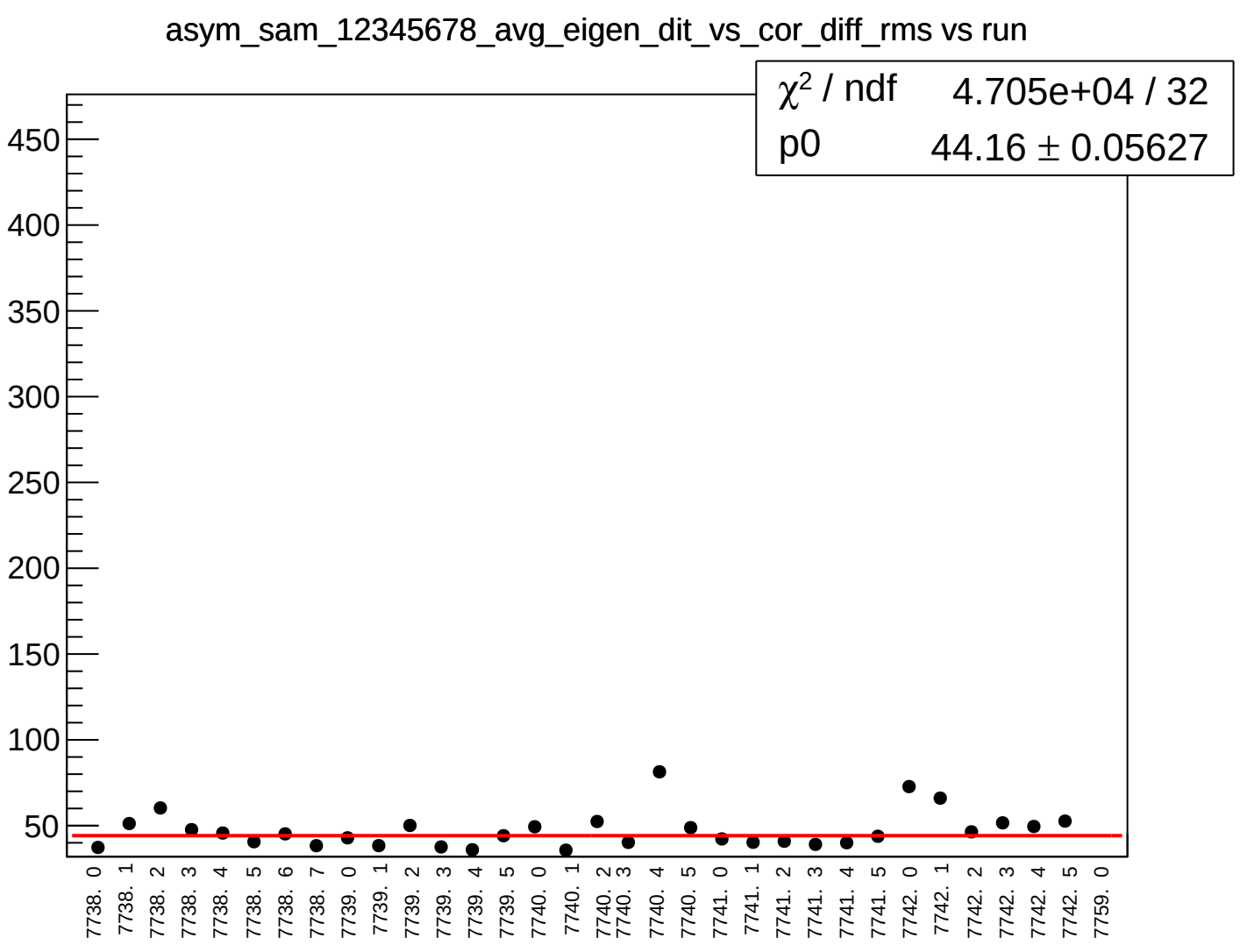

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.38 / 32
p0 −0.05603 ± 0.07958
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.647
Std Dev 0
pull1D
Entries 33
Mean −0.02463
Std Dev 1.005

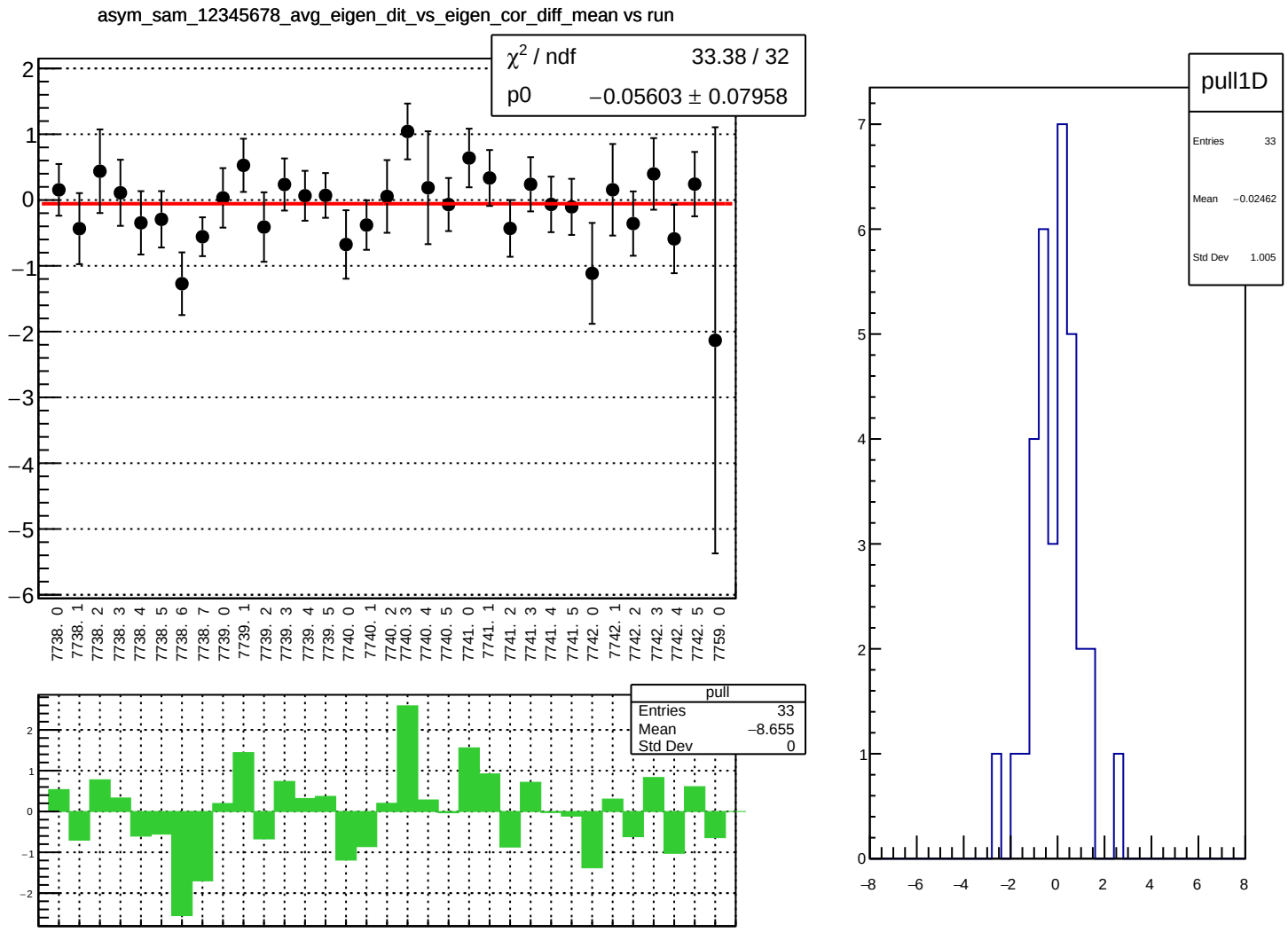

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.706e+04 / 32
p0 44.16 ± 0.05627
450
400
350
300
250
200
150
100
50
17738. 0
17738. 1
17738. 2
17738. 3
17738. 4
17738. 5
17738. 6
17738. 7
17739. 0
17739. 1
17739. 2
17739. 3
17739. 4
17739. 5
17740. 0
17740. 1
17740. 2
17740. 3
17740. 4
17740. 5
17741. 0
17741. 1
17741. 2
17741. 3
17741. 4
17741. 5
17742. 0
17742. 1
17742. 2
17742. 3
17742. 4
17742. 5
17759. 0

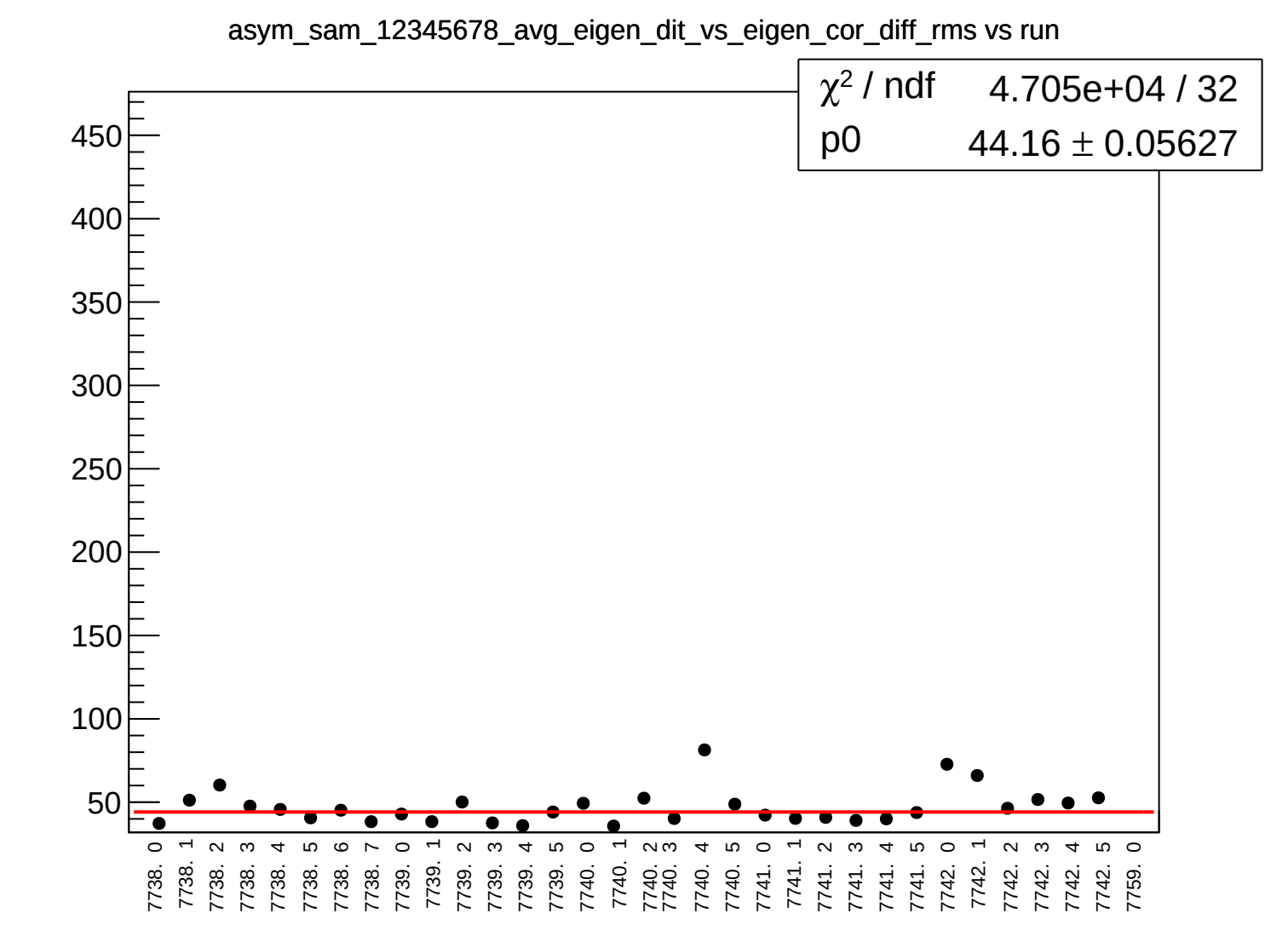

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 25.55 / 32
p0 −1.871e−06 ± 4.919e−06
0.1
0.05
0
−0.05
−0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 30.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.1012
Std Dev 0.8741
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

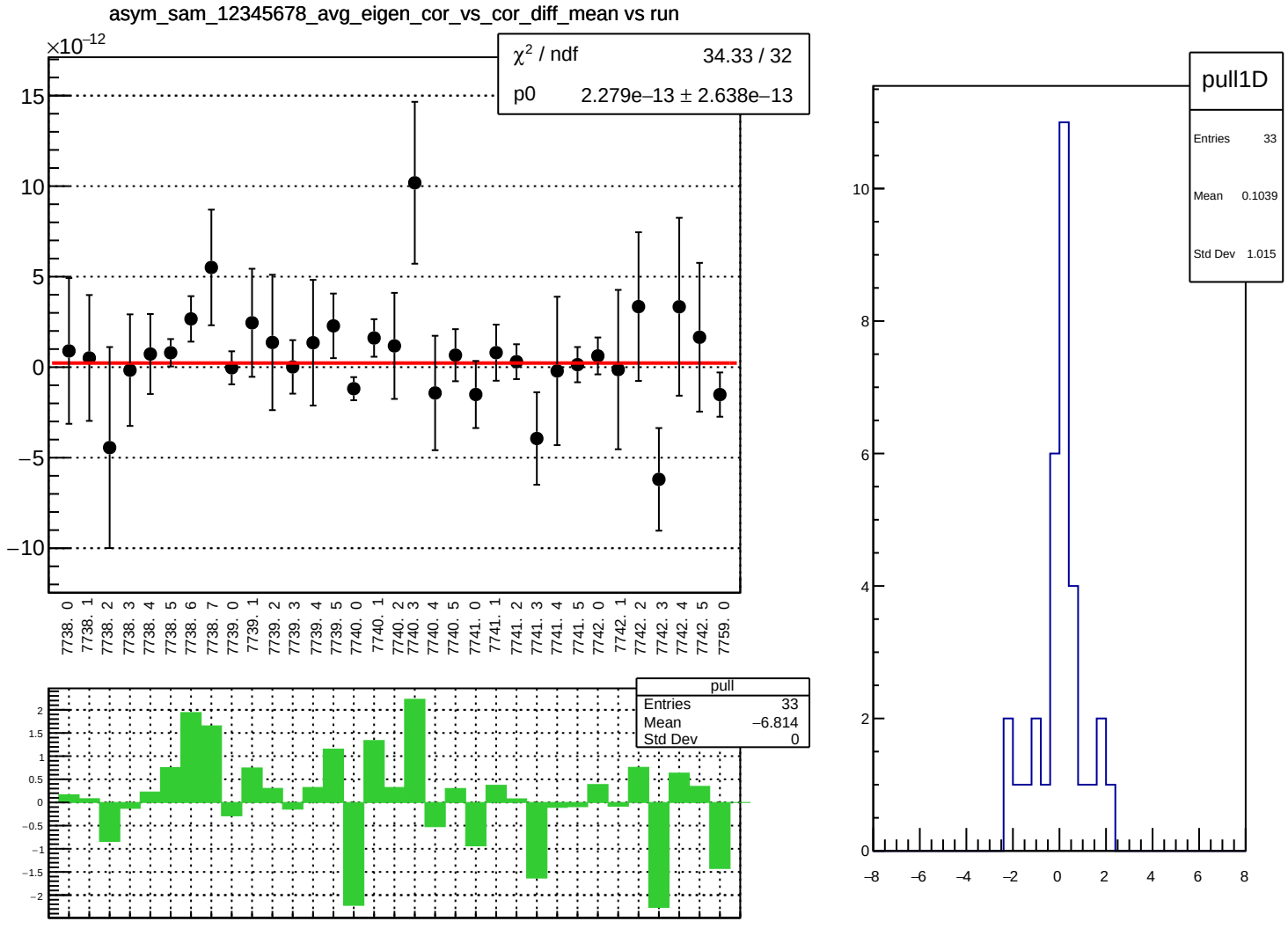

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.119e+04 / 32
p0 0.00272 ± 3.478e–06
0.004
0.0035
0.003
0.0025
0.002
0.0015
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

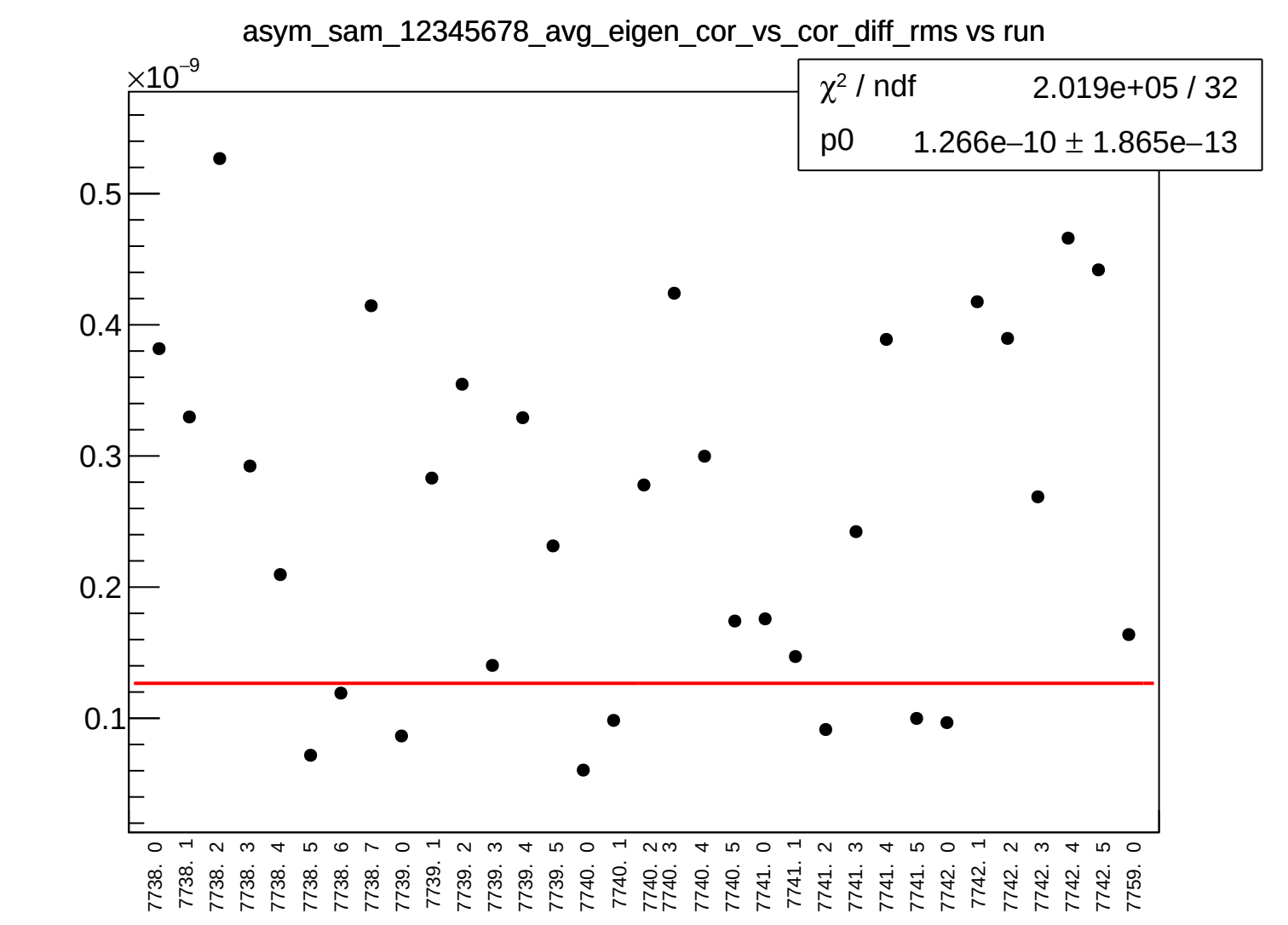

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.38 / 32
p0 −0.05603 ± 0.07958
pull
Entries 33
Mean −8.655
Std Dev 0
pull1D
Entries 33
Mean −0.02462
Std Dev 1.005

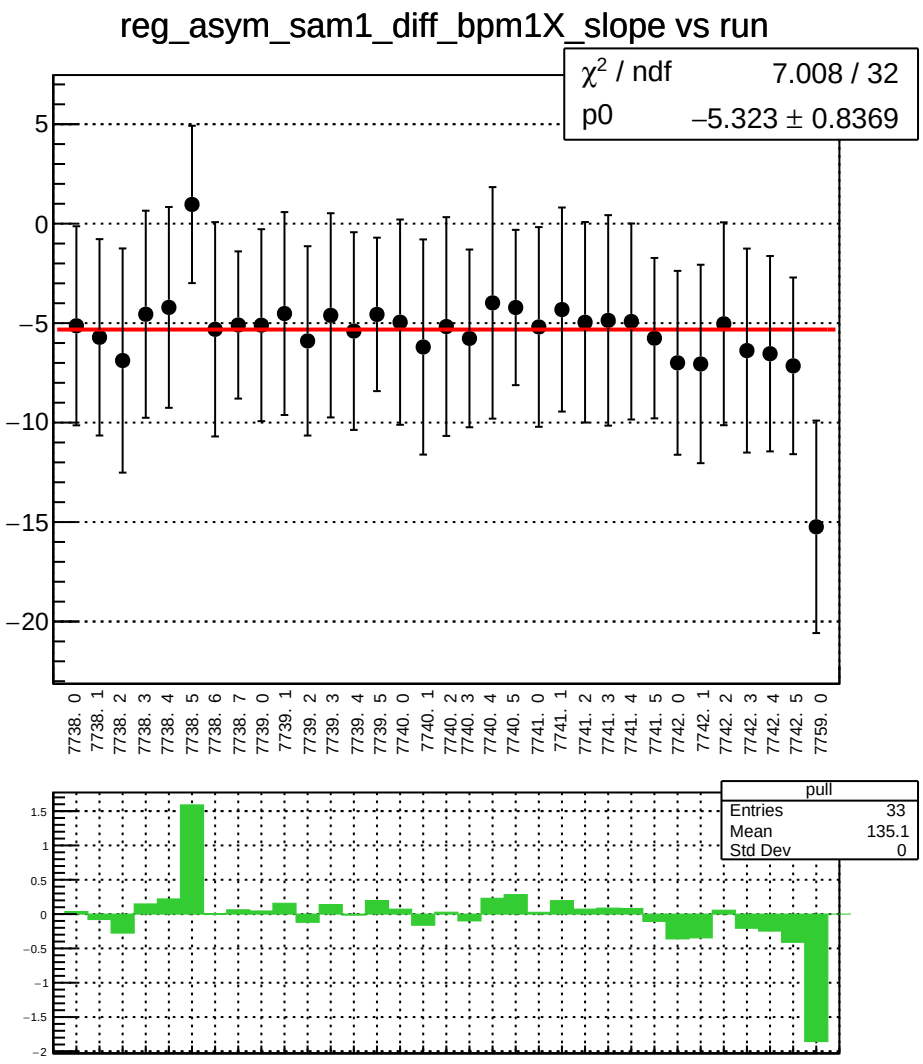

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.705e+04 / 32
p0 44.16 ± 0.05627
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

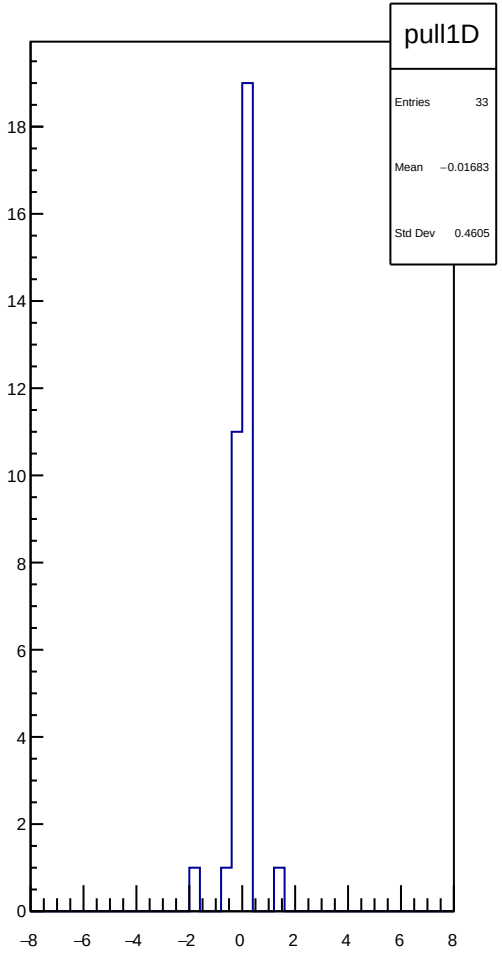

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.38 / 32
p0 −0.05603 ± 0.07958
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.655
Std Dev 0
pull1D
Entries 33
Mean −0.02462
Std Dev 1.005

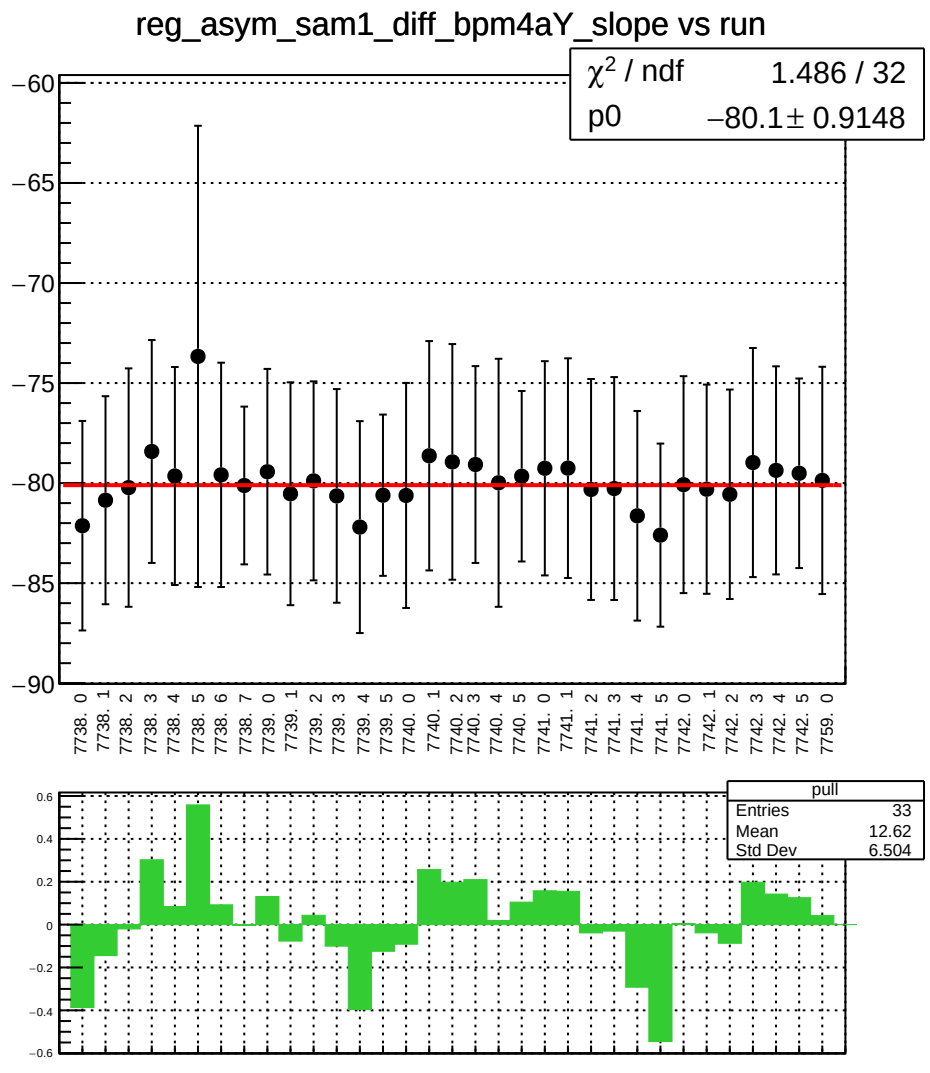

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.705e+04 / 32
p0 44.16 ± 0.05627
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

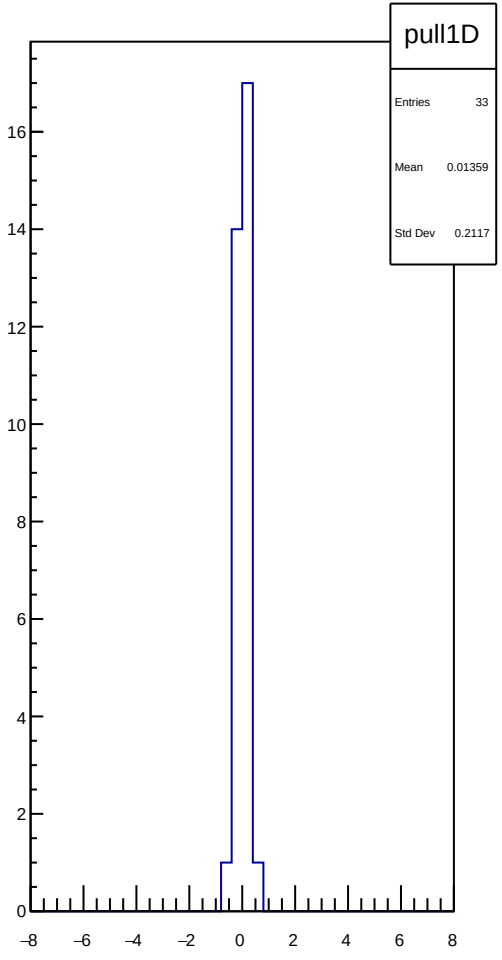

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.33 / 32
p0 2.279e−13 ± 2.638e−13
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.814
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1039
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

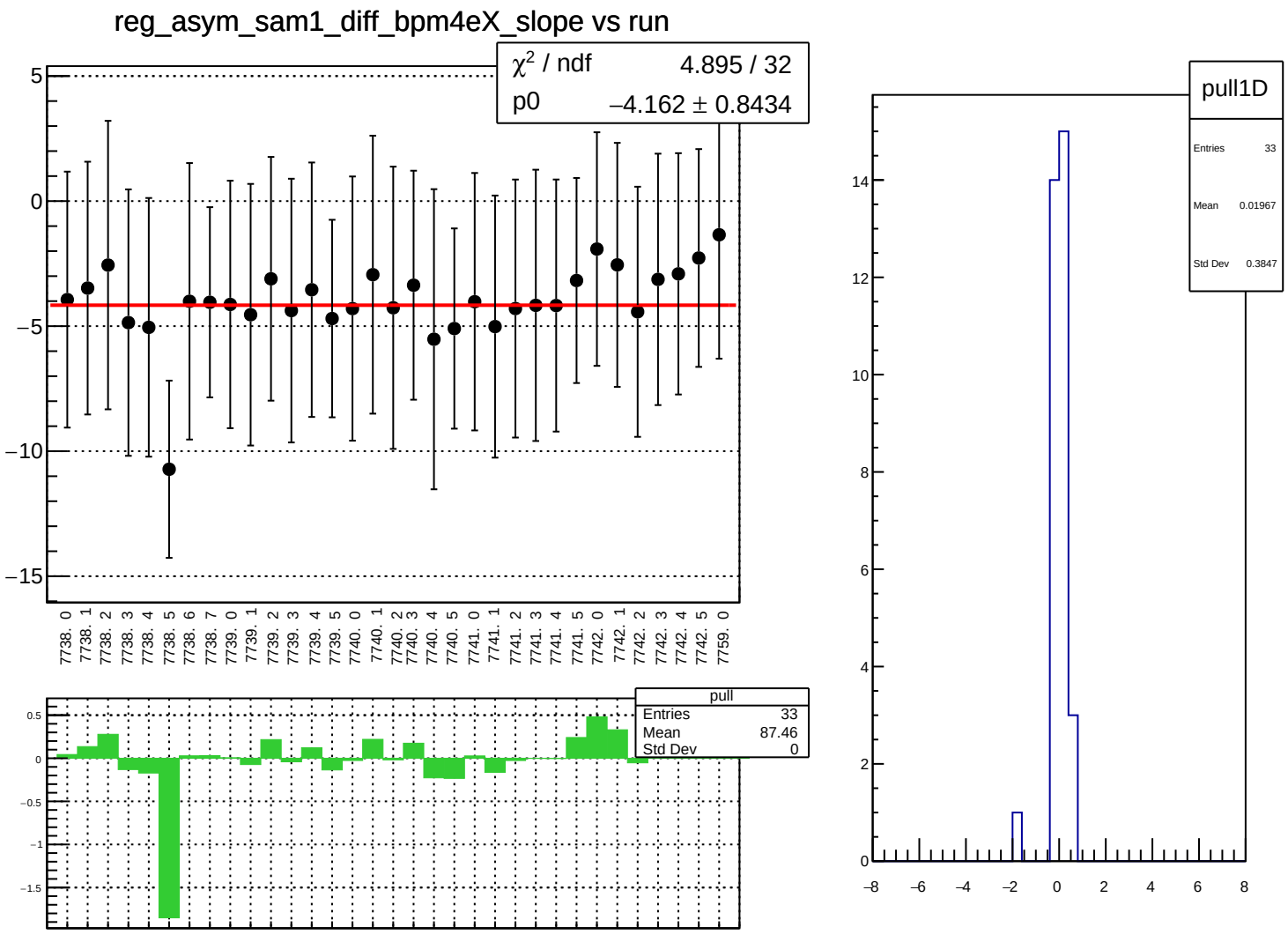

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.019e+05 / 32
p0 1.266e−10 ± 1.865e−13
0.5
0.4
0.3
0.2
0.1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

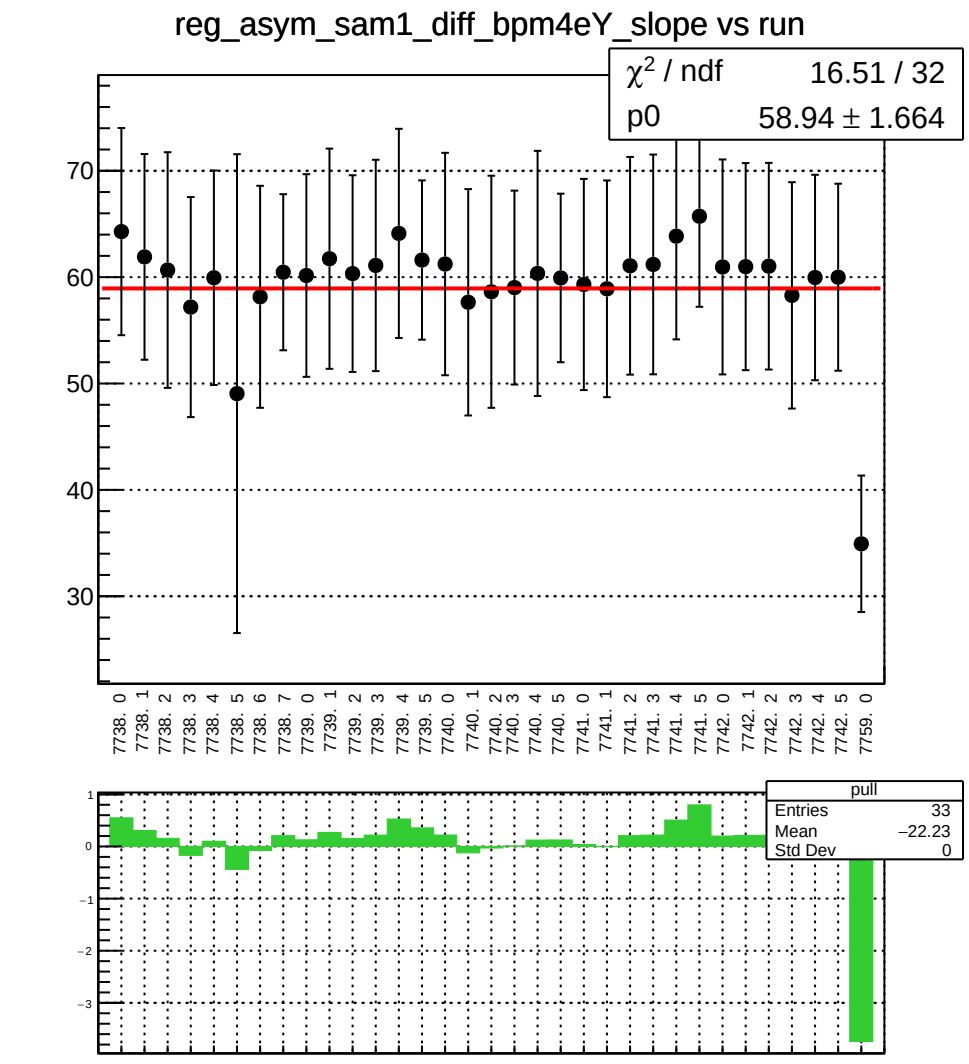

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 7.008 / 32
p0 −5.323 ± 0.8369
pull
Entries 33
Mean 135.1
Std Dev 0

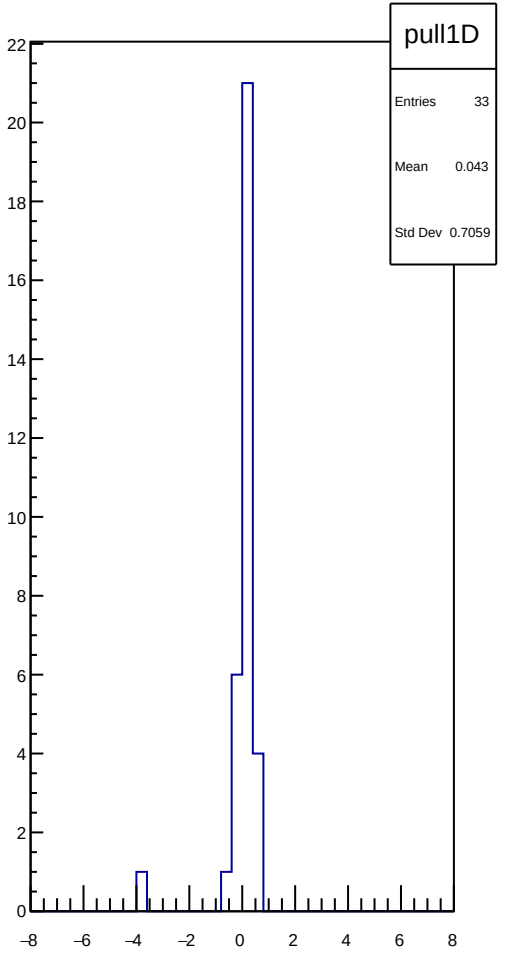

pull1D
Entries 33
Mean −0.01683
Std Dev 0.4605

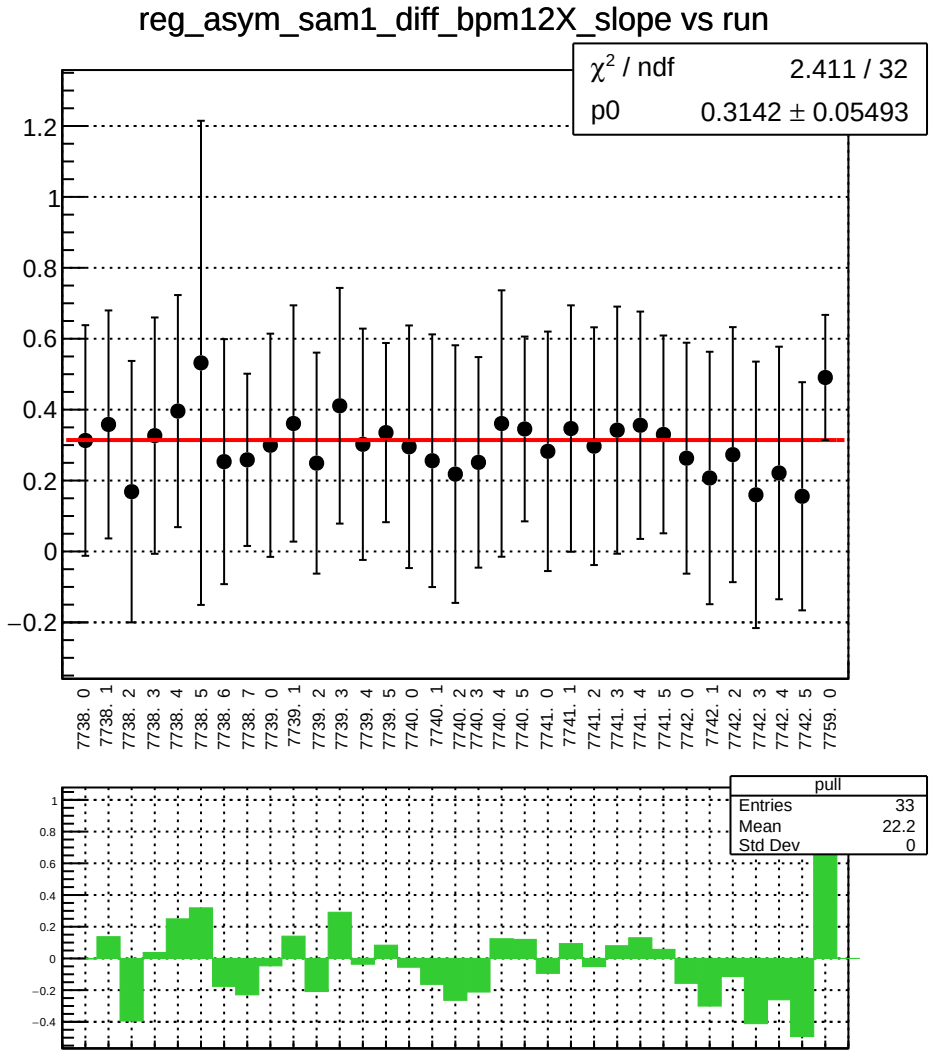

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 1.486 / 32
p0 −80.1 ± 0.9148
−60
−65
−70
−75
−80
−85
−90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.62
Std Dev 6.504
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

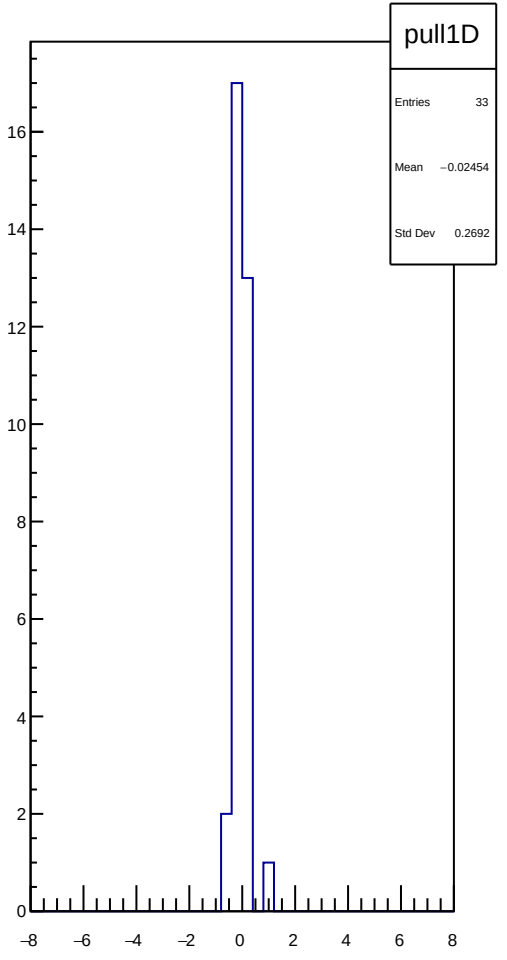

pull1D
Entries 33
Mean 0.01359
Std Dev 0.2117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

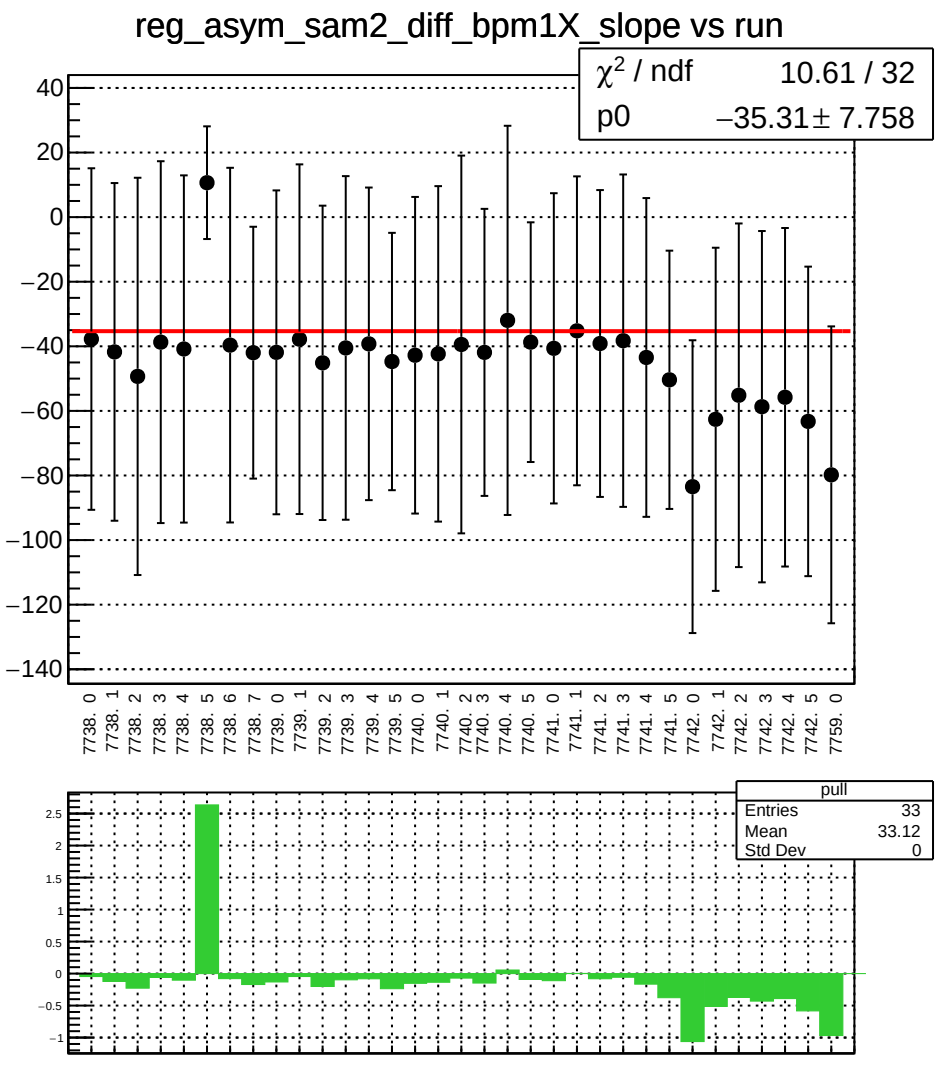

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 4.895 / 32
p0 −4.162 ± 0.8434
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 87.46
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01967
Std Dev 0.3847
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

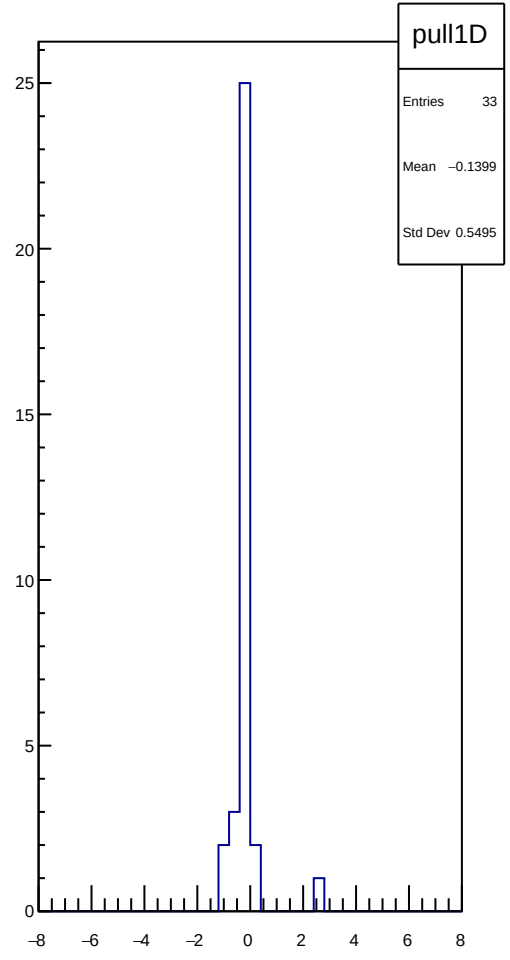

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 16.51 / 32
p0 58.94 ± 1.664
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −22.23
Std Dev 0
1
0
−1
−2
−3

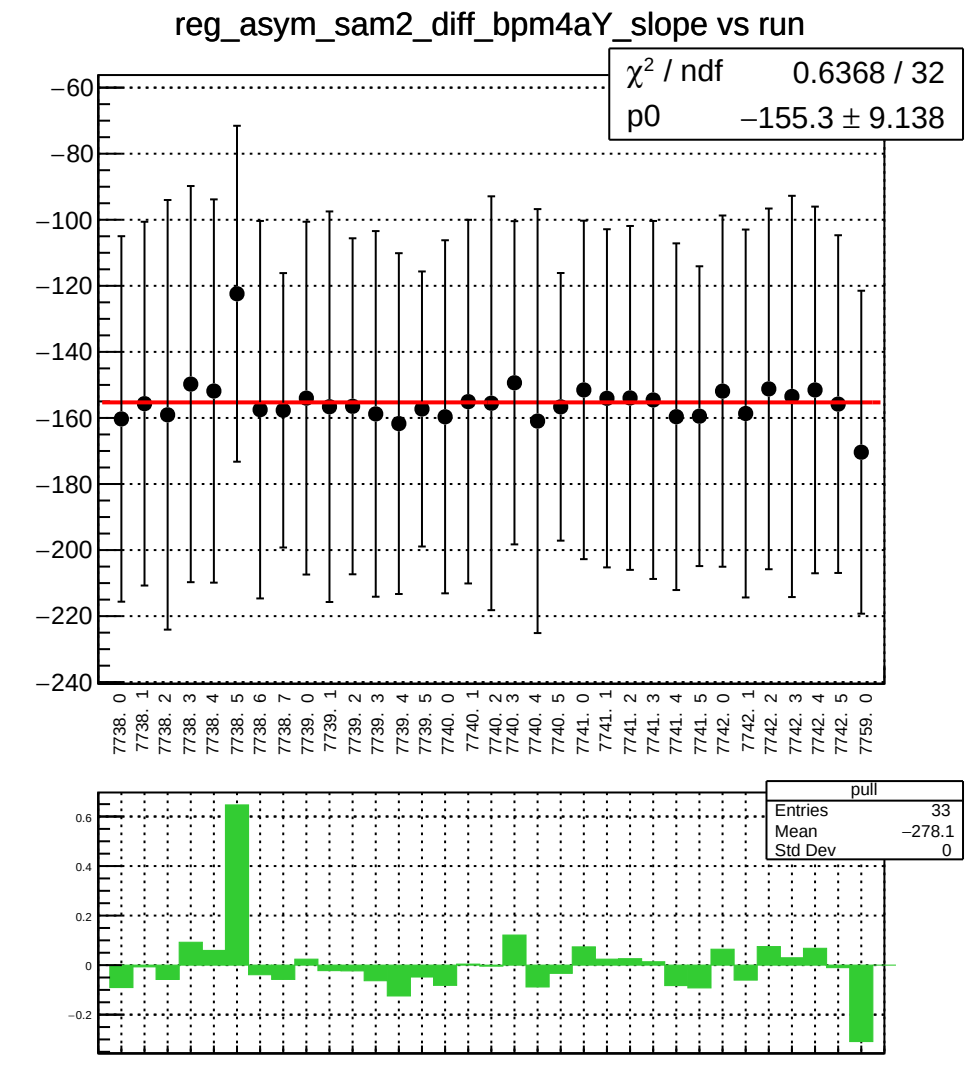

pull1D
Entries 33
Mean 0.043
Std Dev 0.7059
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

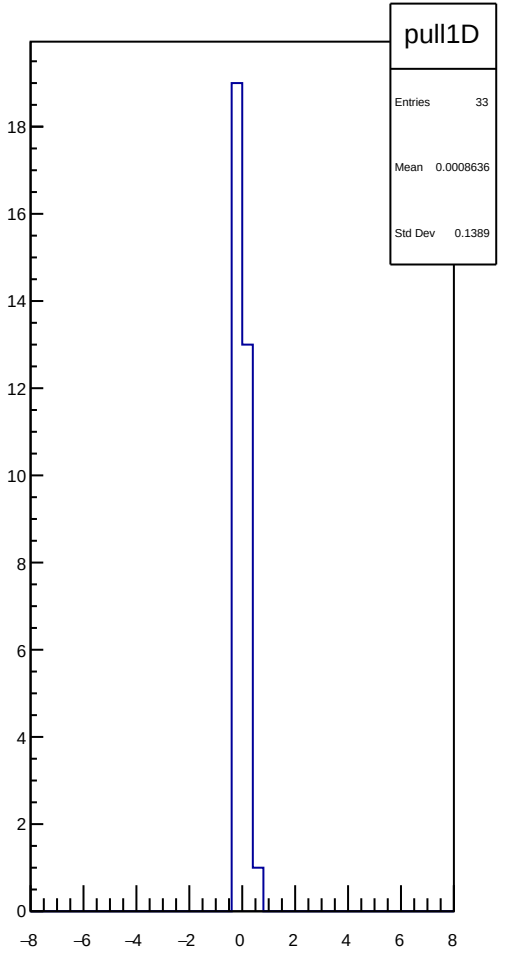

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.411 / 32
p0 0.3142 ± 0.05493
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.2
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

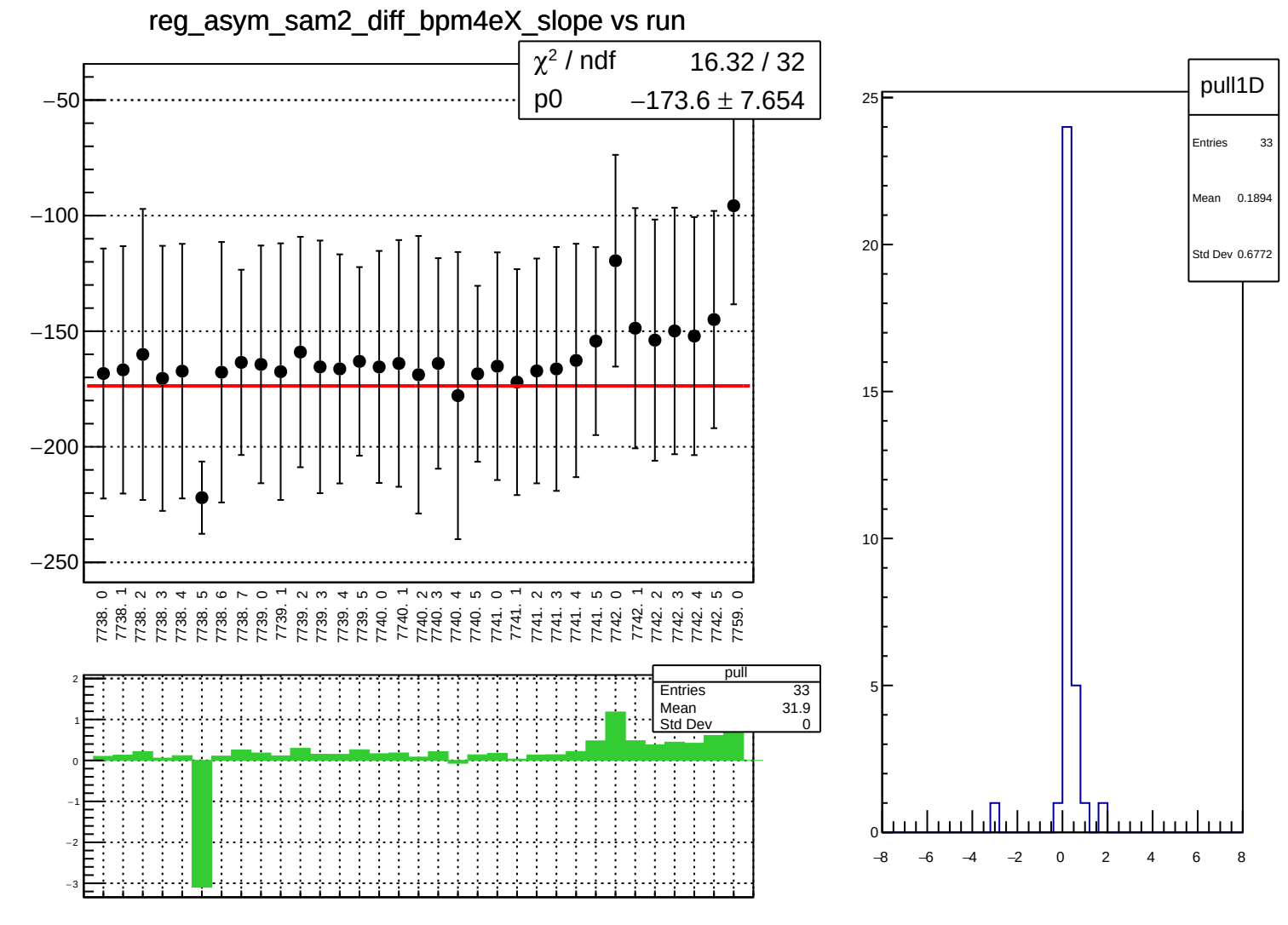

pull1D
Entries 33
Mean −0.02454
Std Dev 0.2692
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

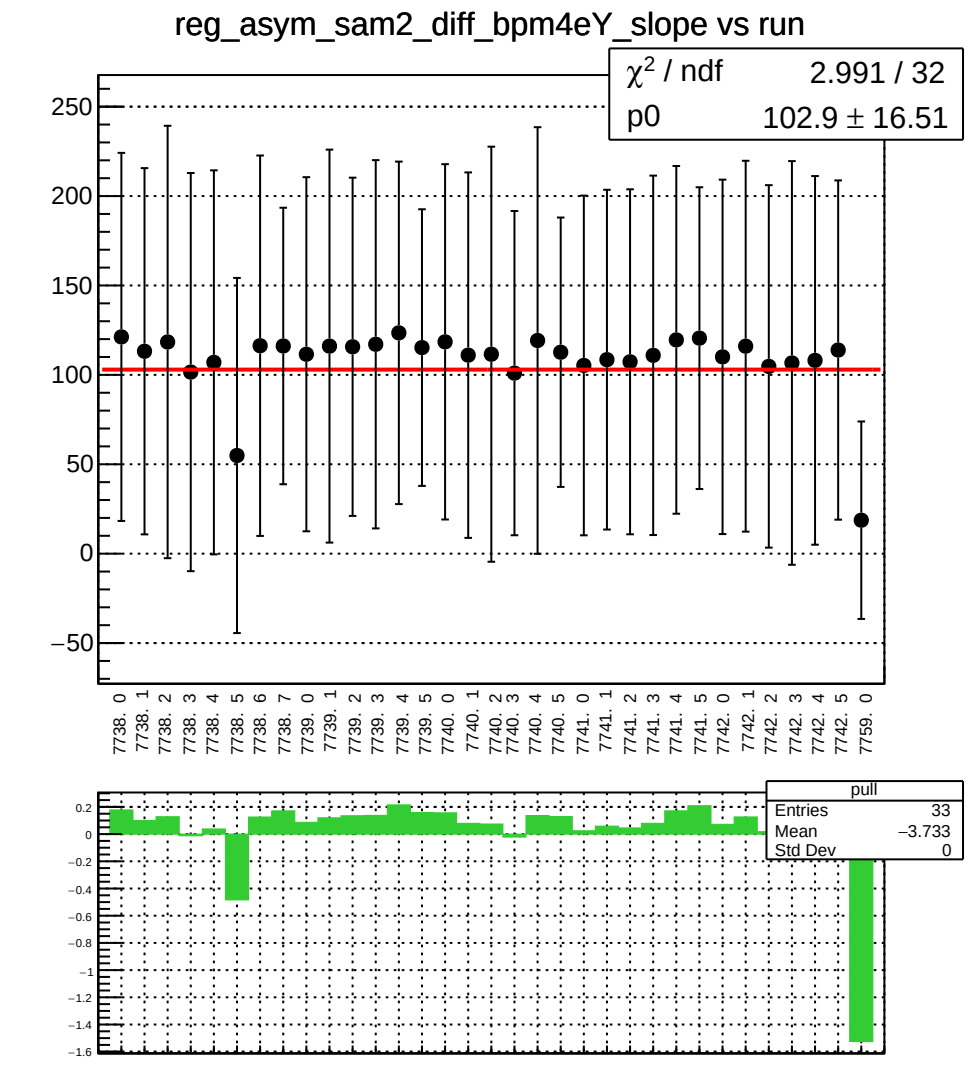

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 10.61 / 32
p0 −35.31± 7.758
pull
Entries 33
Mean 33.12
Std Dev 0

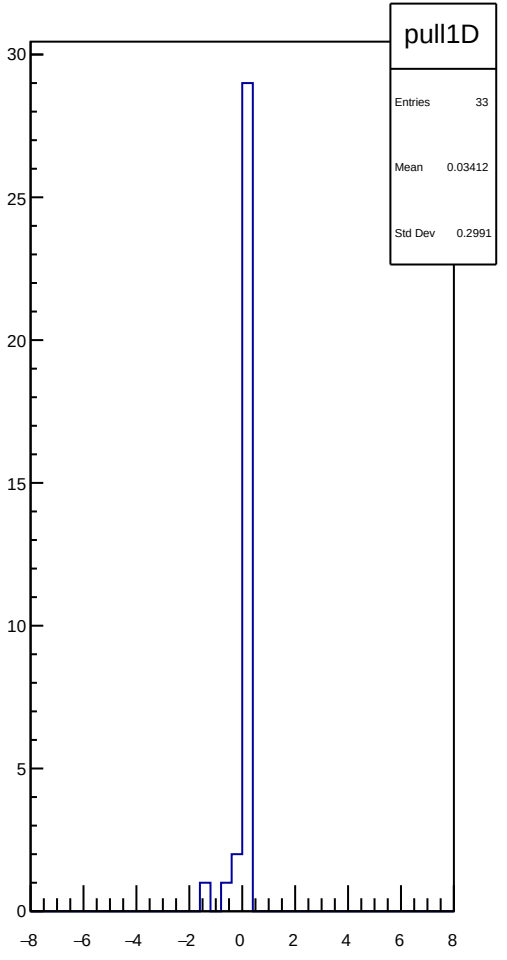

pull1D
Entries 33
Mean −0.1399
Std Dev 0.5495

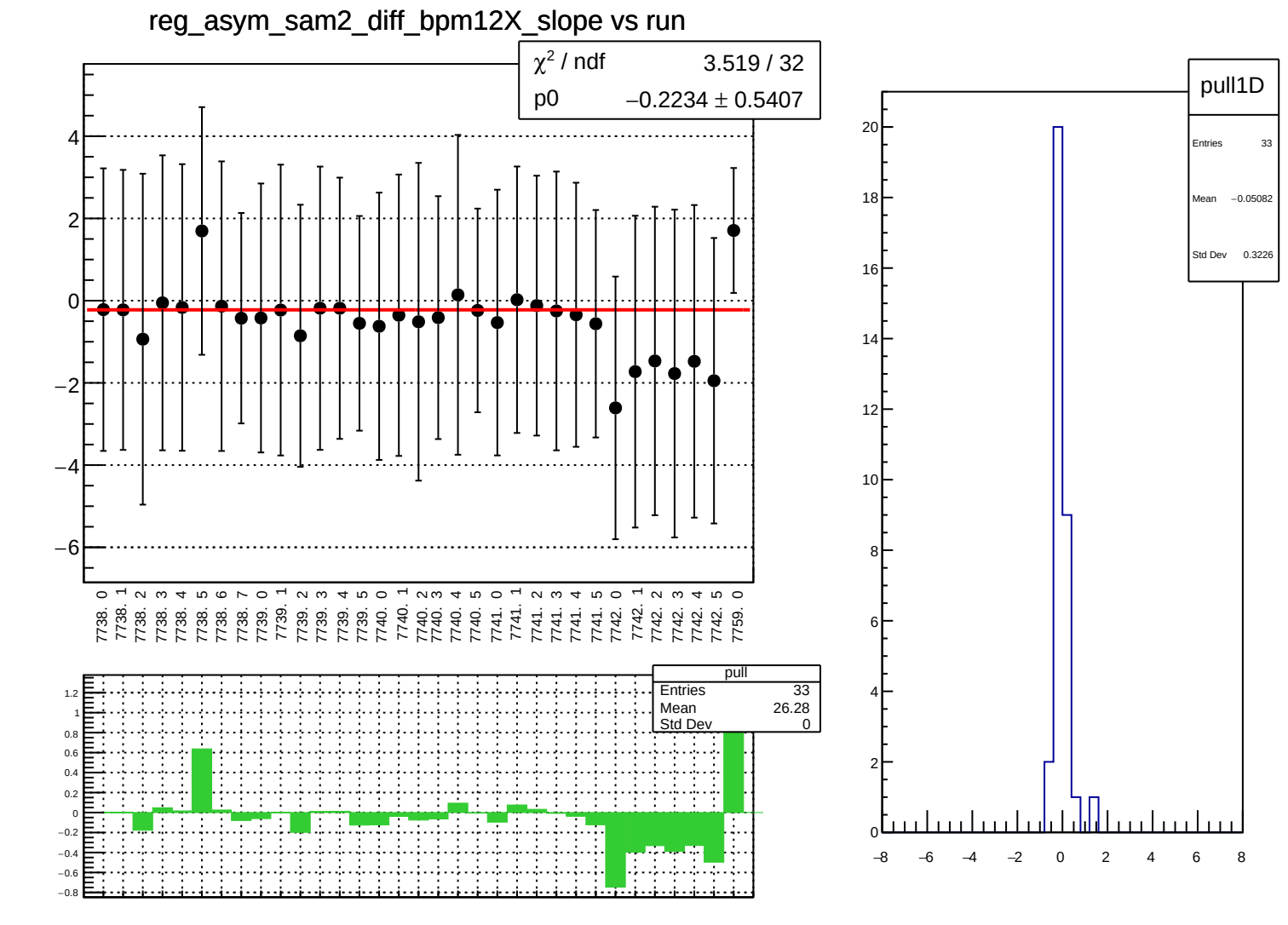

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 0.6368 / 32
p0 −155.3 ± 9.138
−60
−80
−100
−120
−140
−160
−180
−200
−220
−240
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −278.1
Std Dev 0
0.6
0.4
0.2
0
−0.2

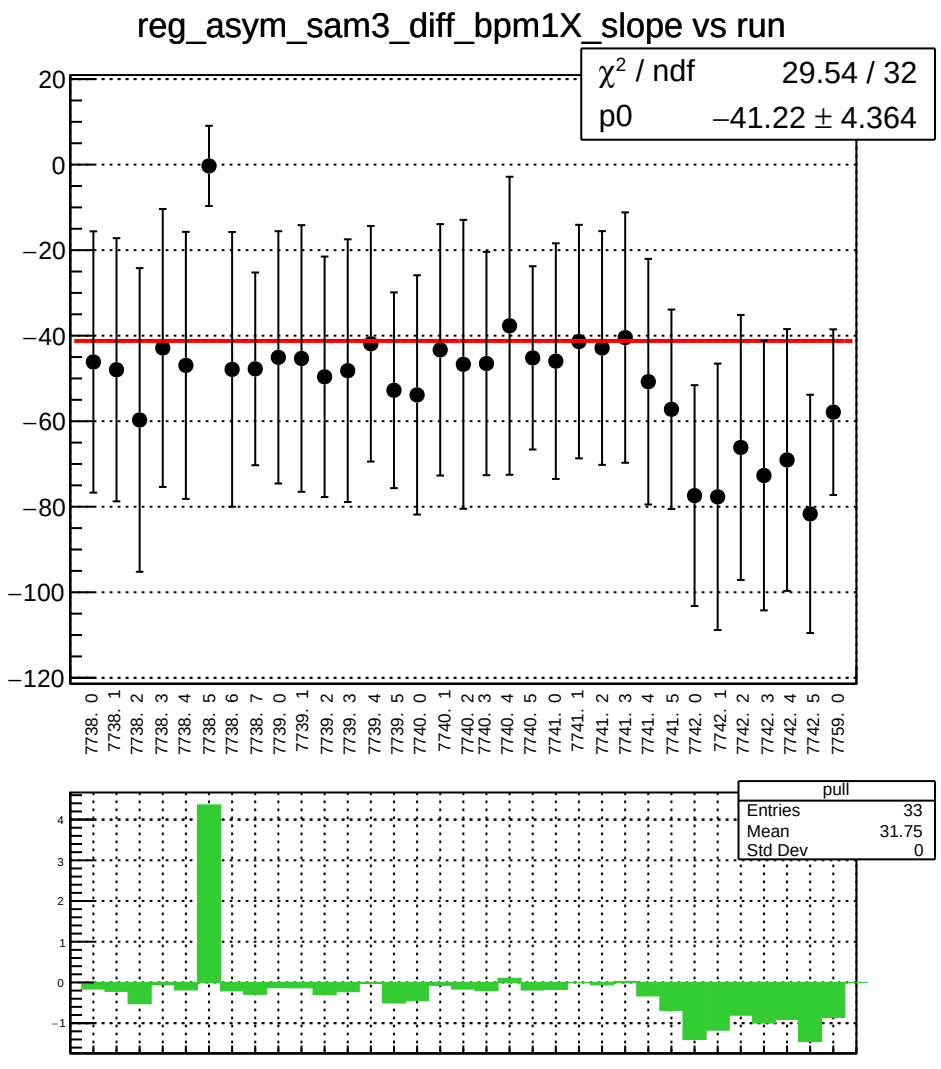

pull1D
Entries 33
Mean 0.0008636
Std Dev 0.1389
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

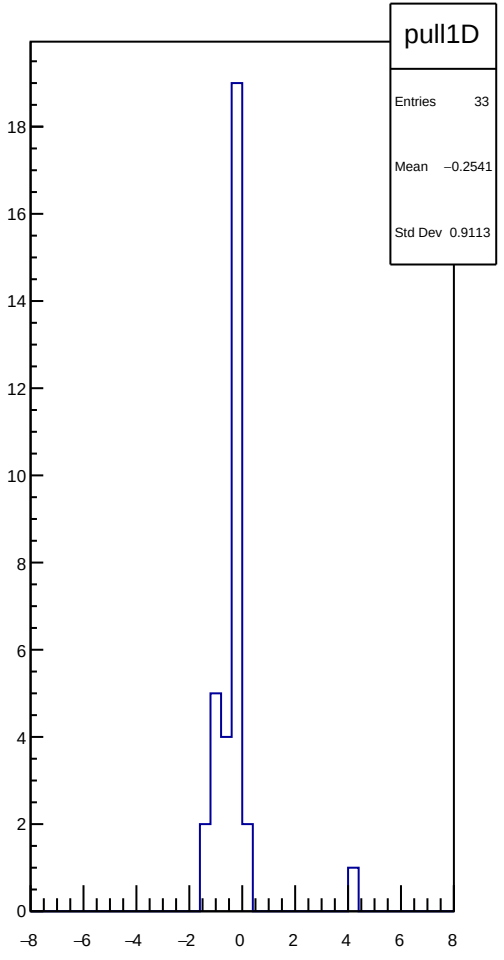

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 16.32 / 32
p0 −173.6 ± 7.654
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.1894
Std Dev 0.6772
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

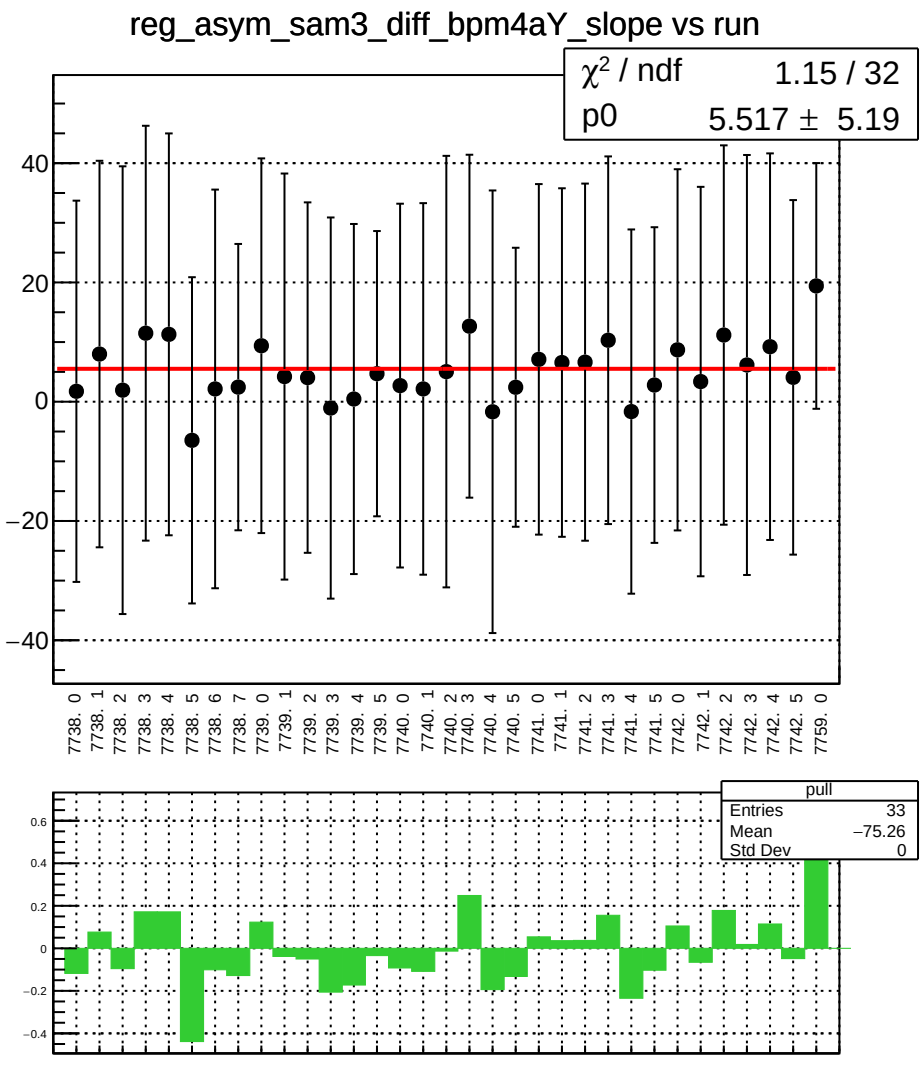

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 2.991 / 32
p0 102.9 ± 16.51
250
200
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.733
Std Dev 0
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6

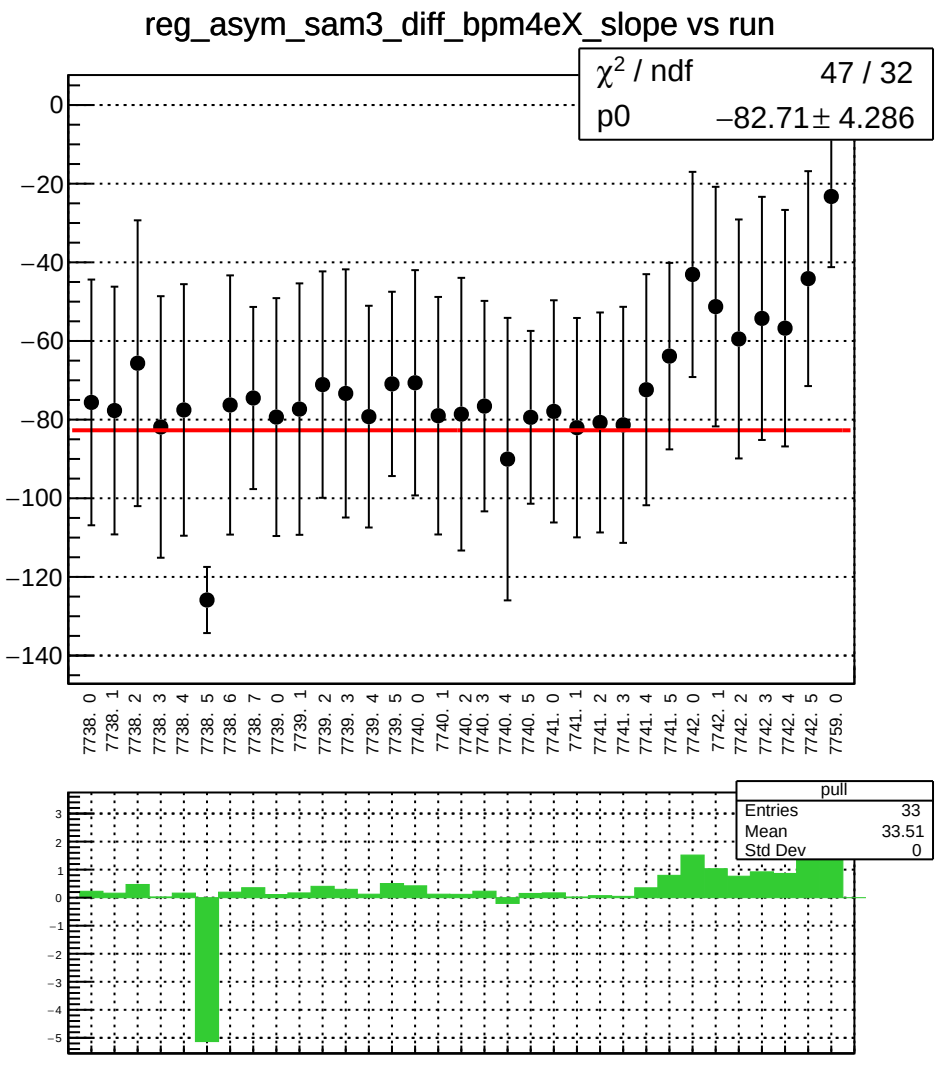

pull1D
Entries 33
Mean 0.03412
Std Dev 0.2991
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

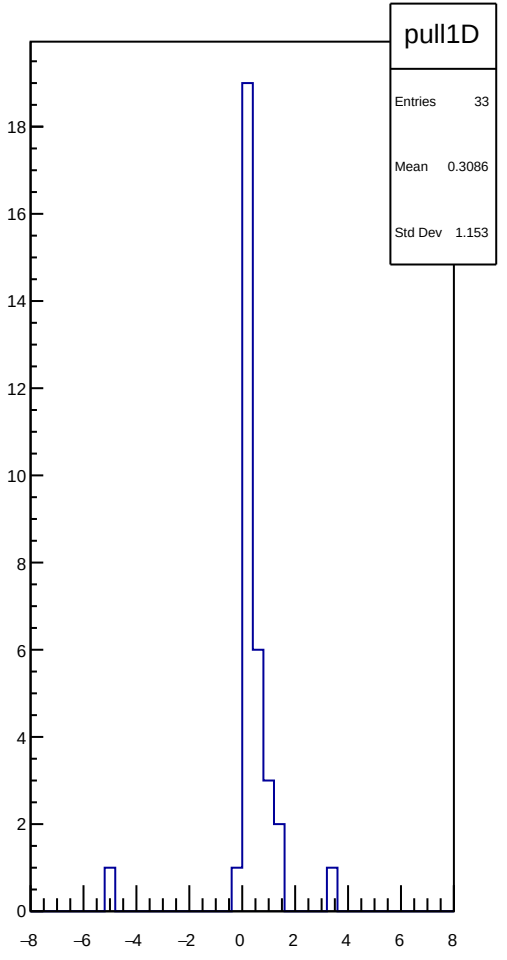

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 3.519 / 32
p0 −0.2234 ± 0.5407
pull
Entries 33
Mean 26.28
Std Dev 0
pull1D
Entries 33
Mean −0.05082
Std Dev 0.3226

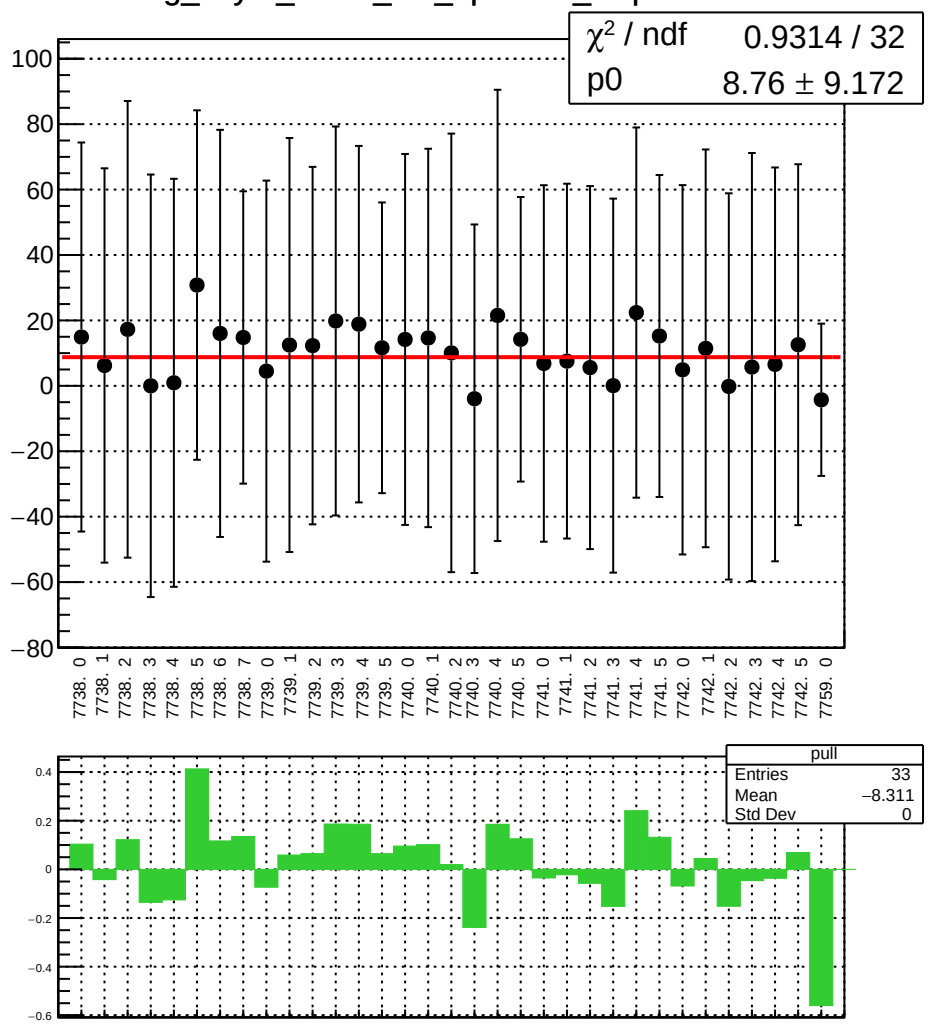

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 29.54 / 32
p0 −41.22 ± 4.364
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.75
Std Dev 0
4
3
2
1
0
−1

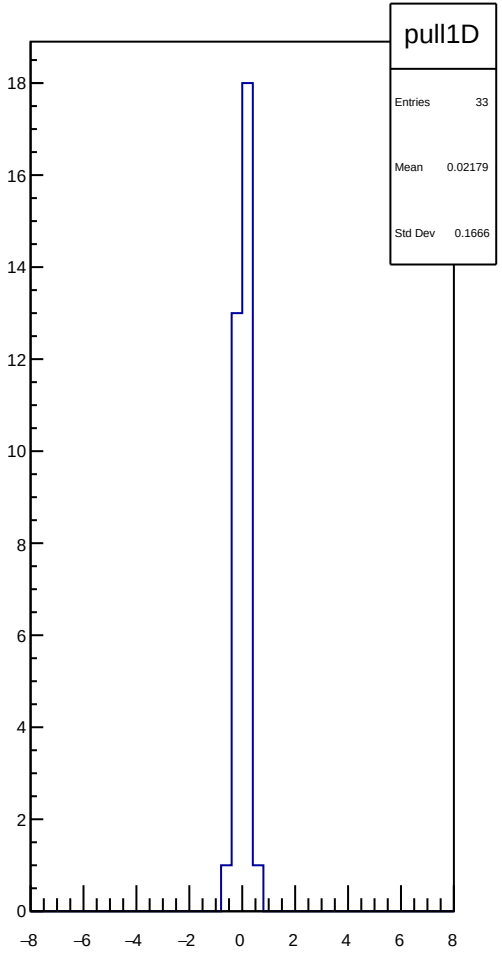

pull1D
Entries 33
Mean −0.2541
Std Dev 0.9113
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

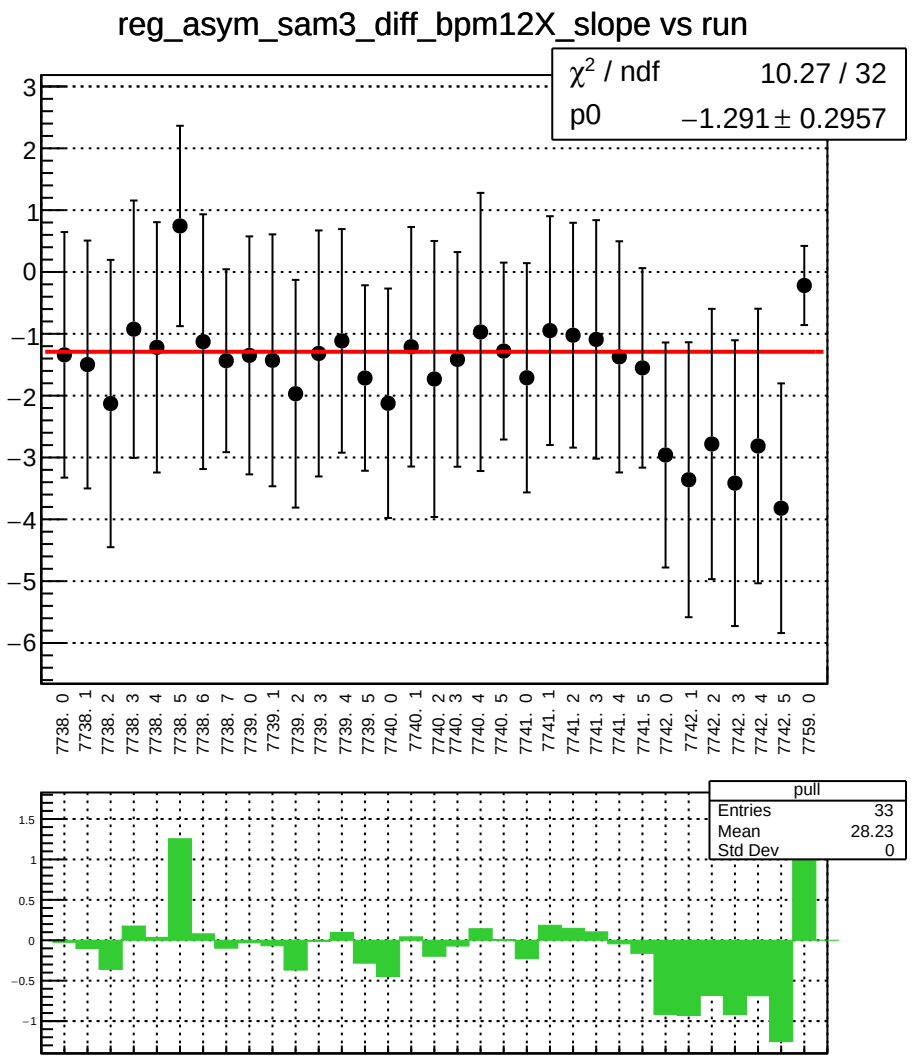

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.15 / 32
p0 5.517 ± 5.19
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −75.26
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.006345
Std Dev 0.1865
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

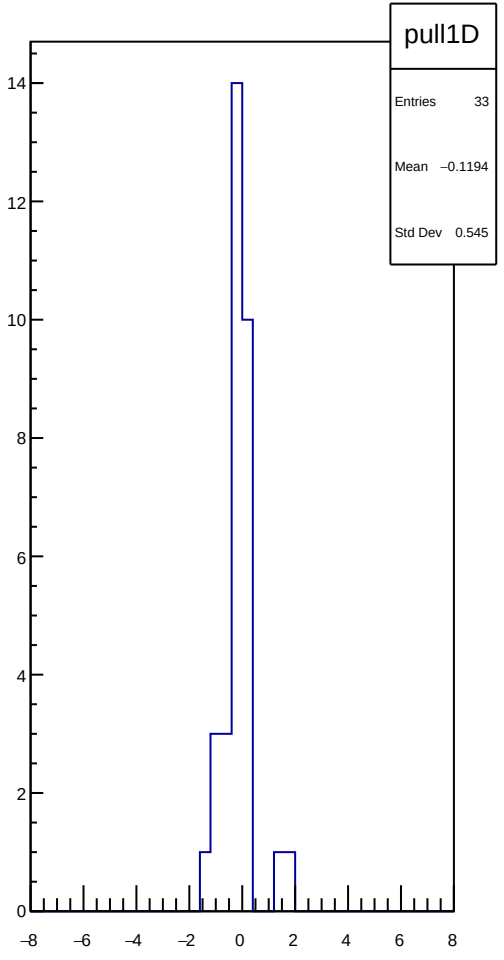

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 47 / 32
p0 −82.71 ± 4.286
0
−20
−40
−60
−80
−100
−120
−140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.51
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

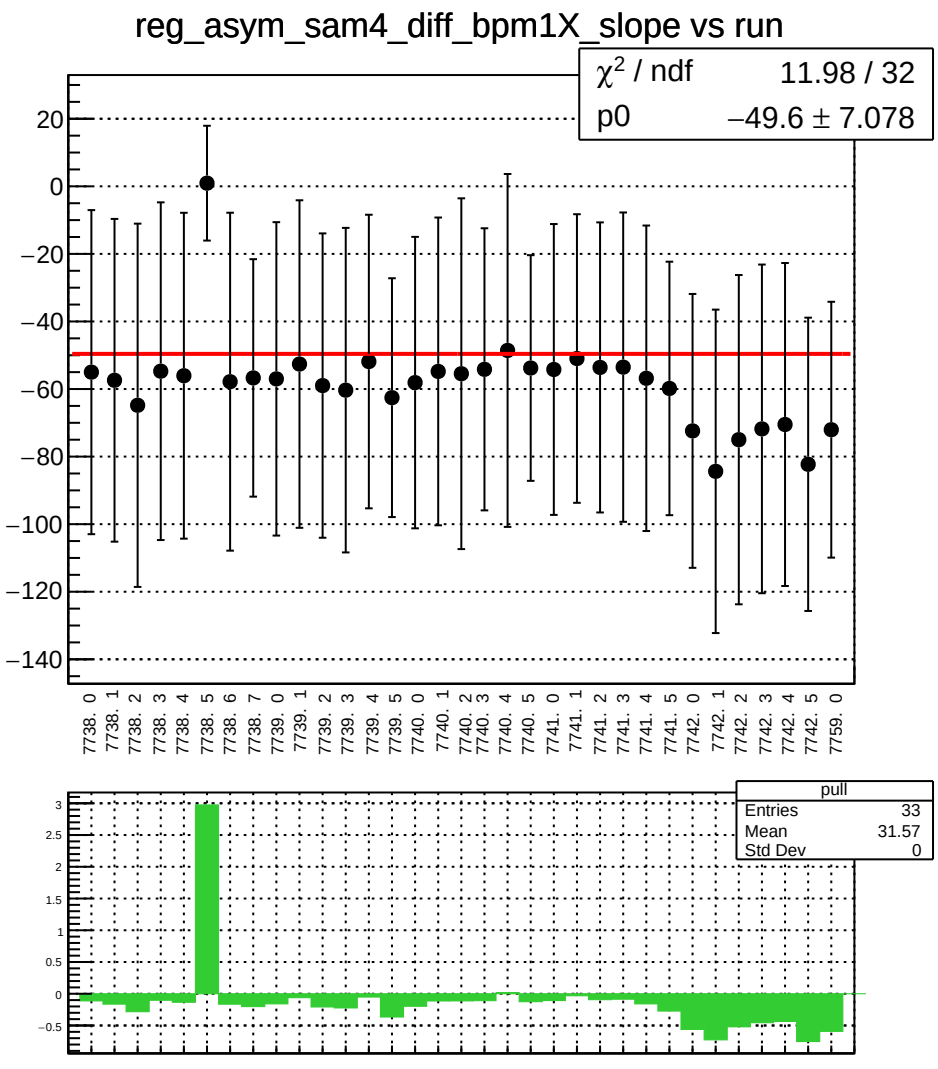

pull1D
Entries 33
Mean 0.3086
Std Dev 1.153
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

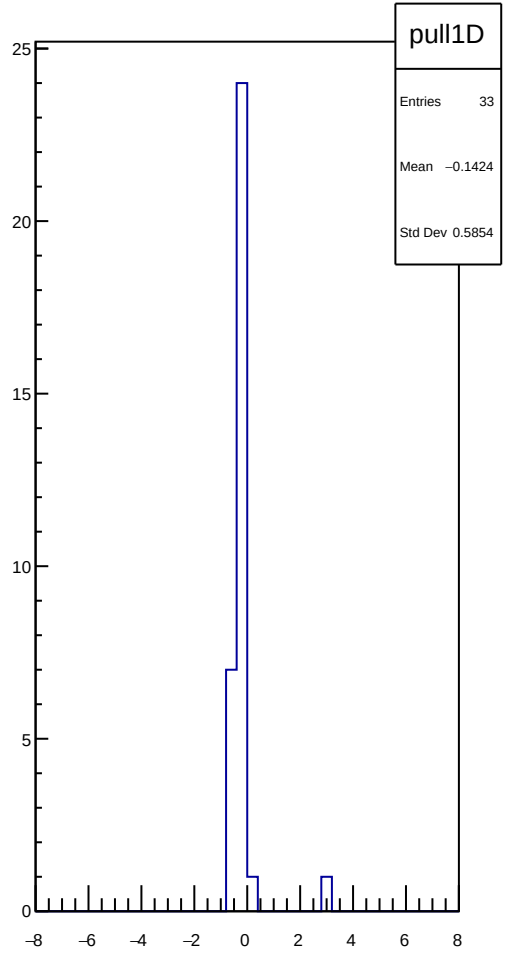

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 0.9314 / 32
p0 8.76 ± 9.172
pull
Entries 33
Mean −8.311
Std Dev 0

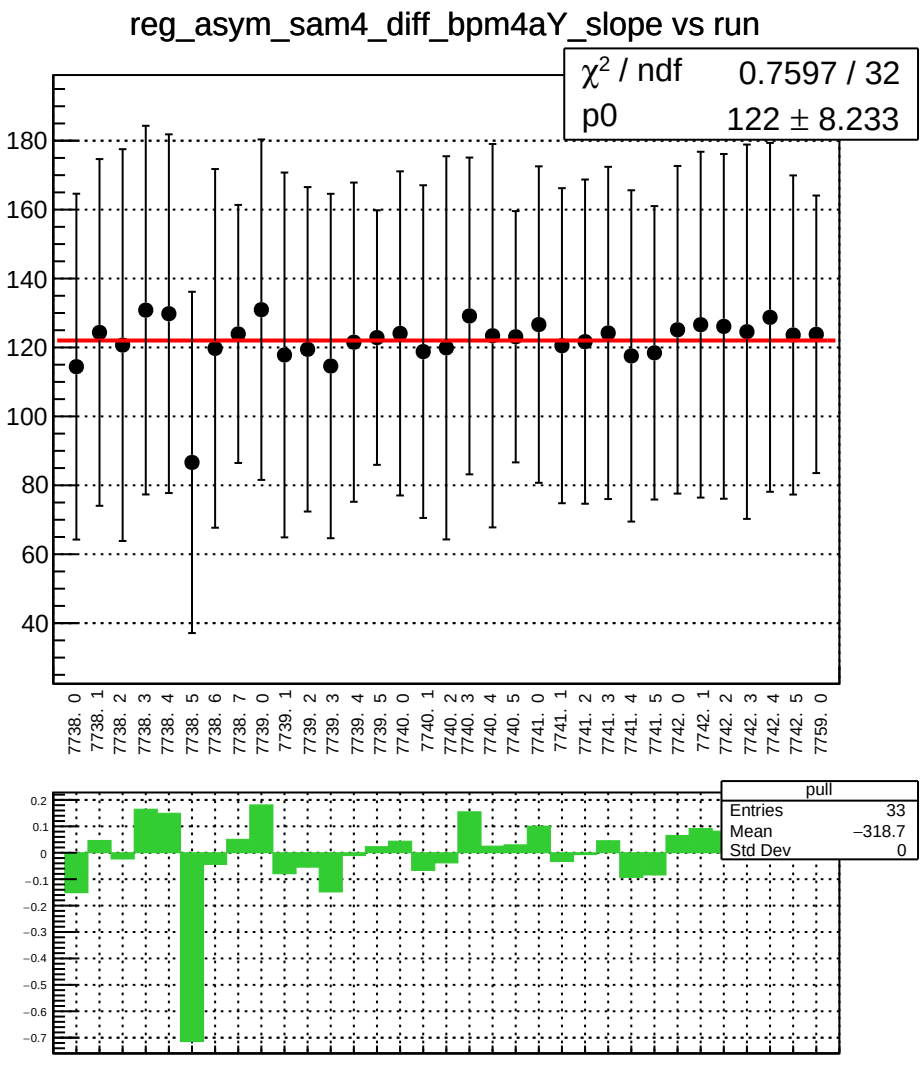

pull1D
Entries 33
Mean 0.02179
Std Dev 0.1666

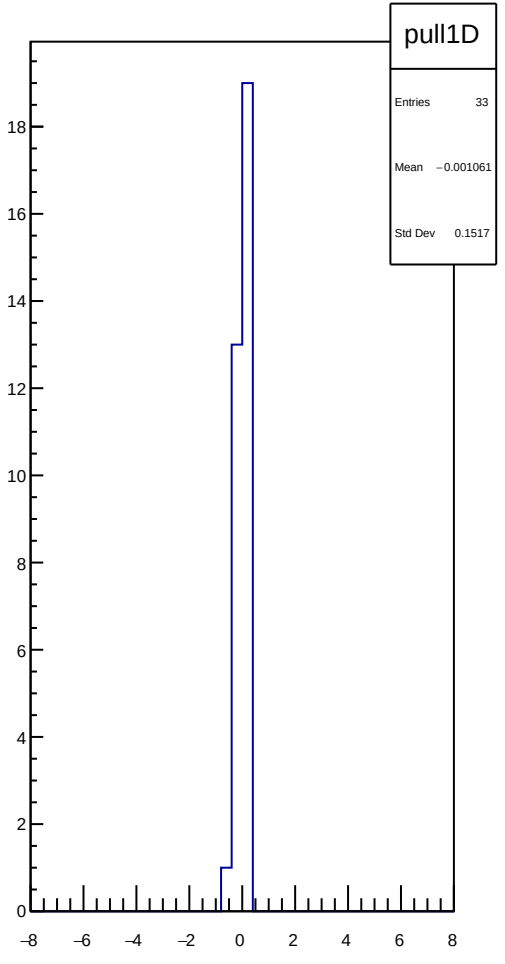

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 10.27 / 32
p0 −1.291 ± 0.2957
pull
Entries 33
Mean 28.23
Std Dev 0

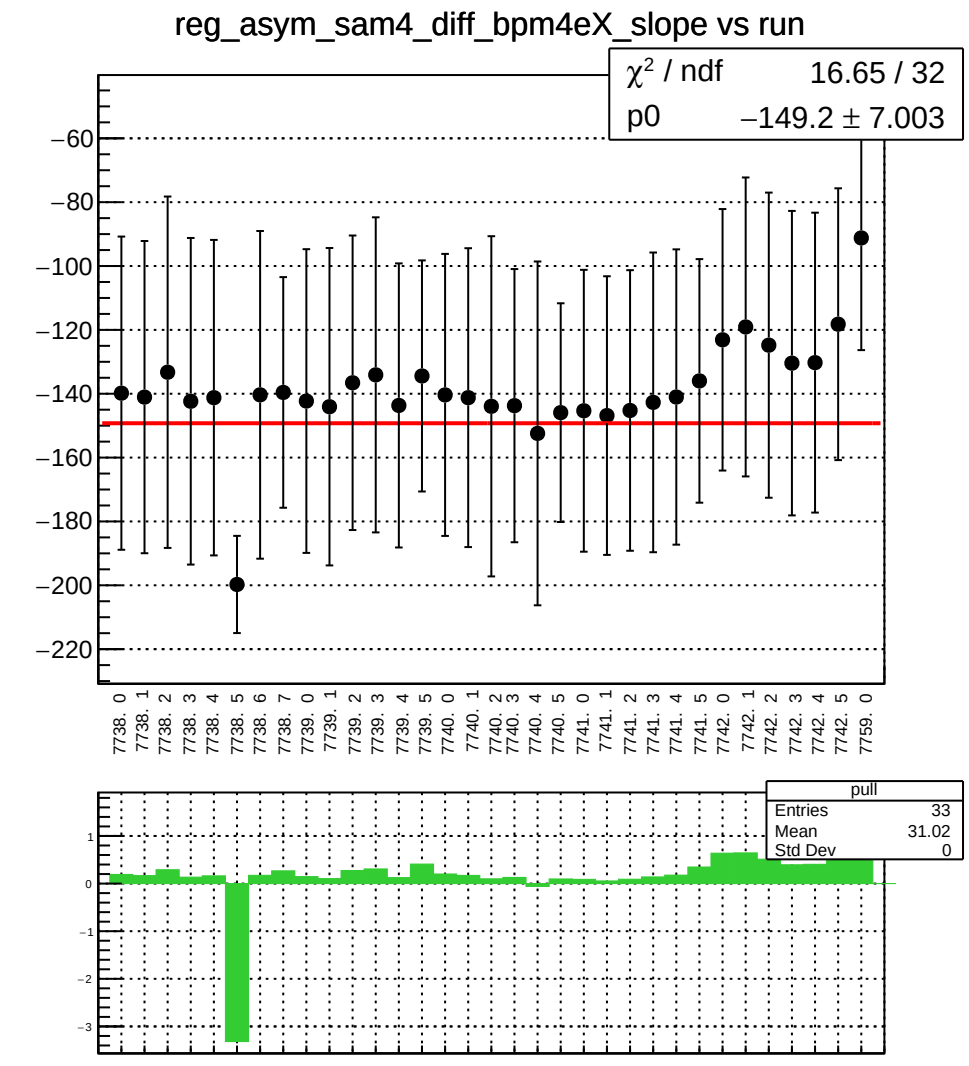

pull1D
Entries 33
Mean −0.1194
Std Dev 0.545

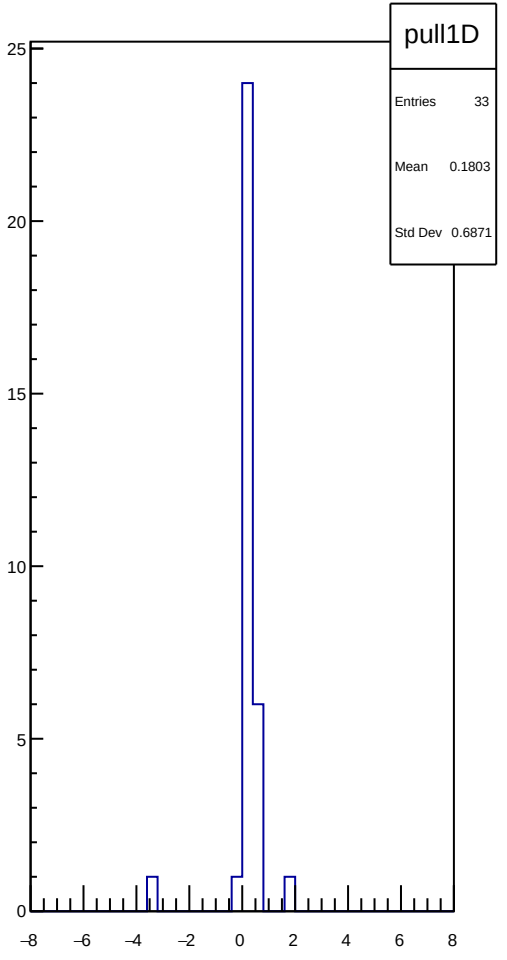

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 11.98 / 32
p0 −49.6 ± 7.078
20
0
−20
−40
−60
−80
−100
−120
−140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.57
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5

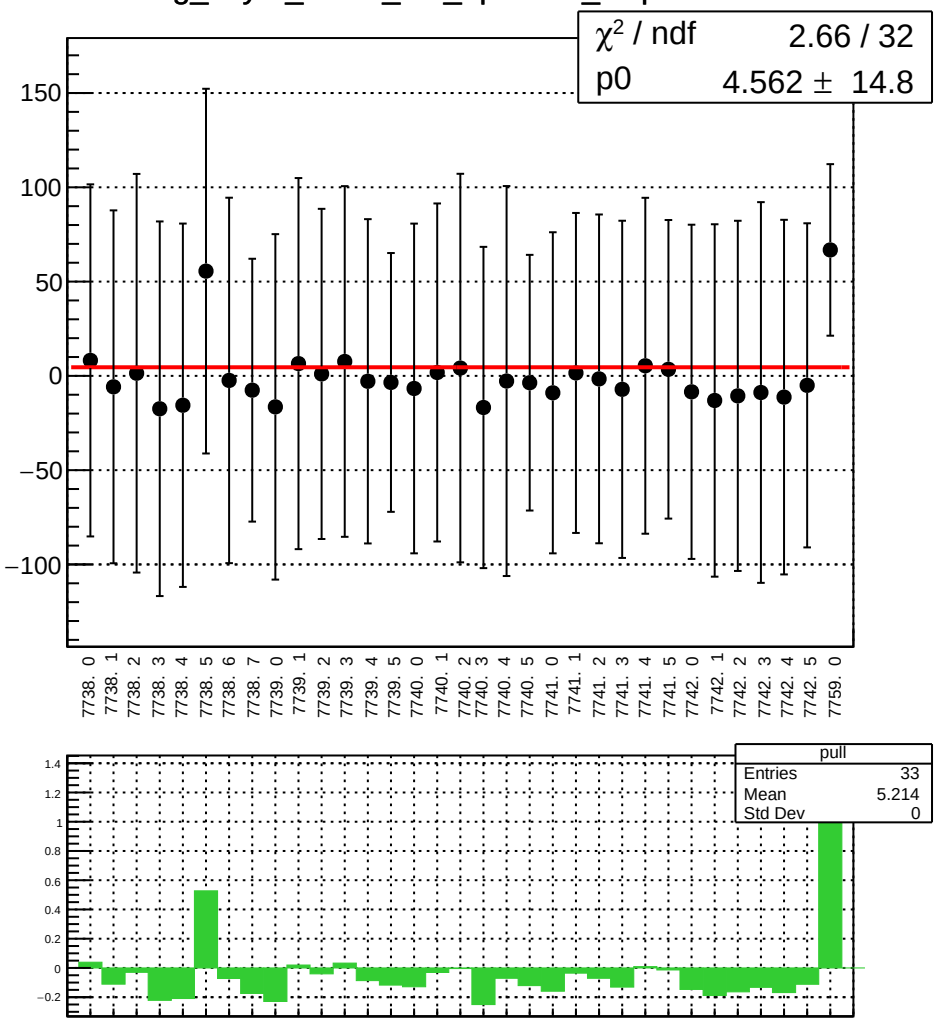

pull1D
Entries 33
Mean −0.1424
Std Dev 0.5854
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

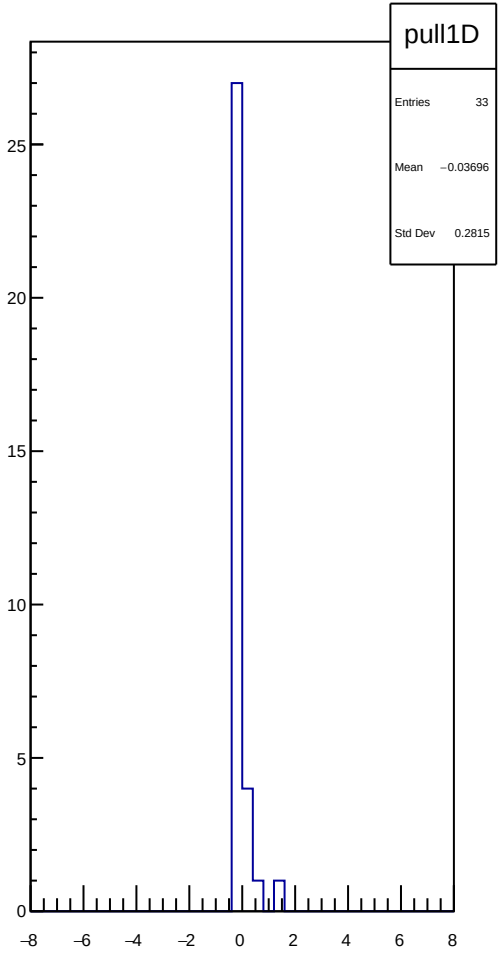

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 0.7597 / 32
p0 122 ± 8.233
180
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −318.7
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7

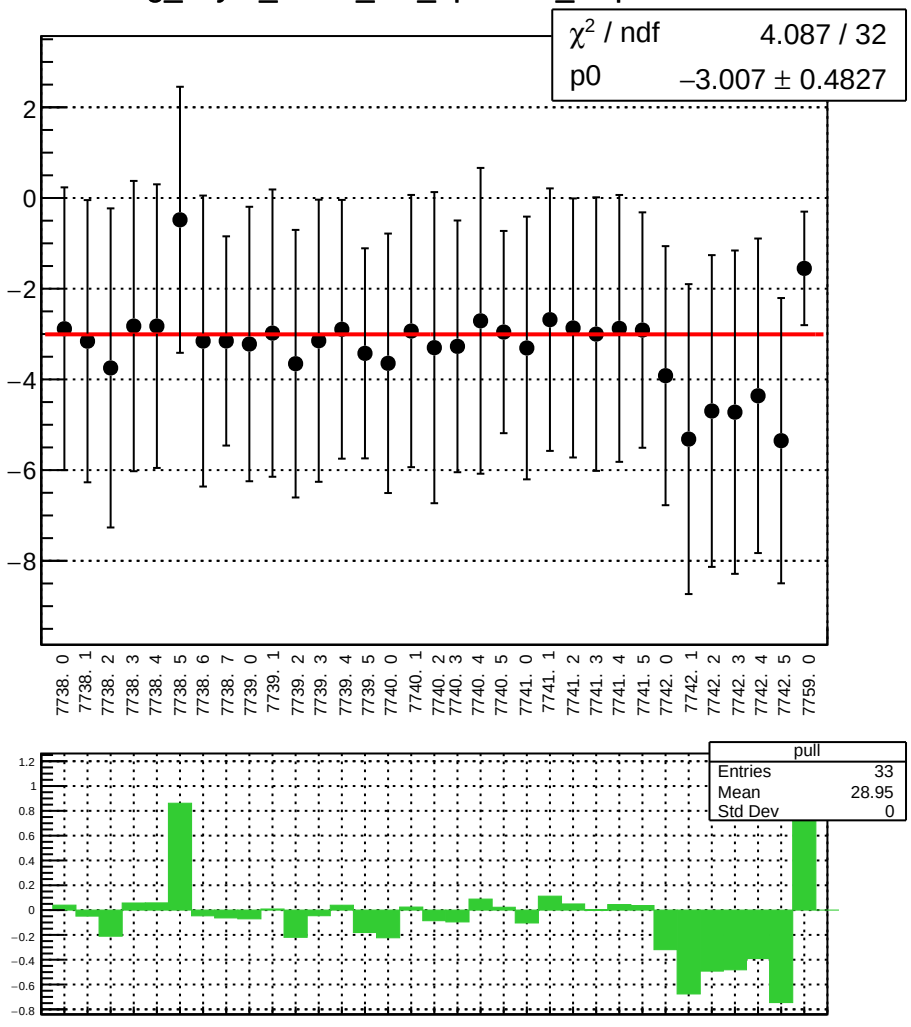

pull1D
Entries 33
Mean −0.001061
Std Dev 0.1517
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

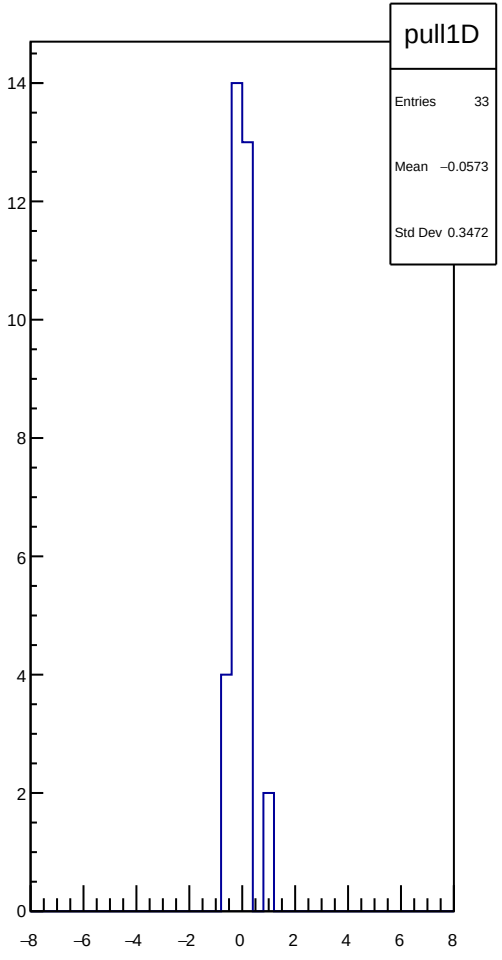

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 16.65 / 32
p0 −149.2 ± 7.003
−60
−80
−100
−120
−140
−160
−180
−200
−220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.02
Std Dev 0
1
0
−1
−2
−3

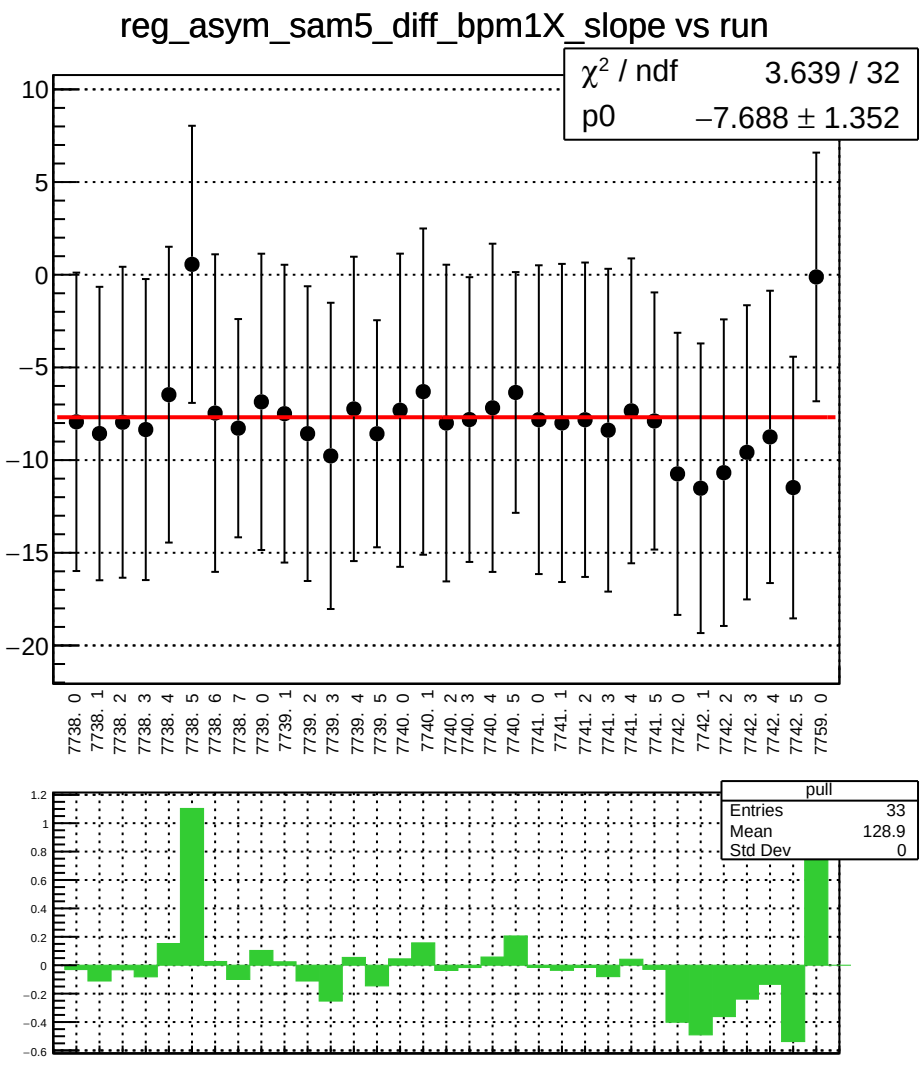

pull1D
Entries 33
Mean 0.1803
Std Dev 0.6871
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

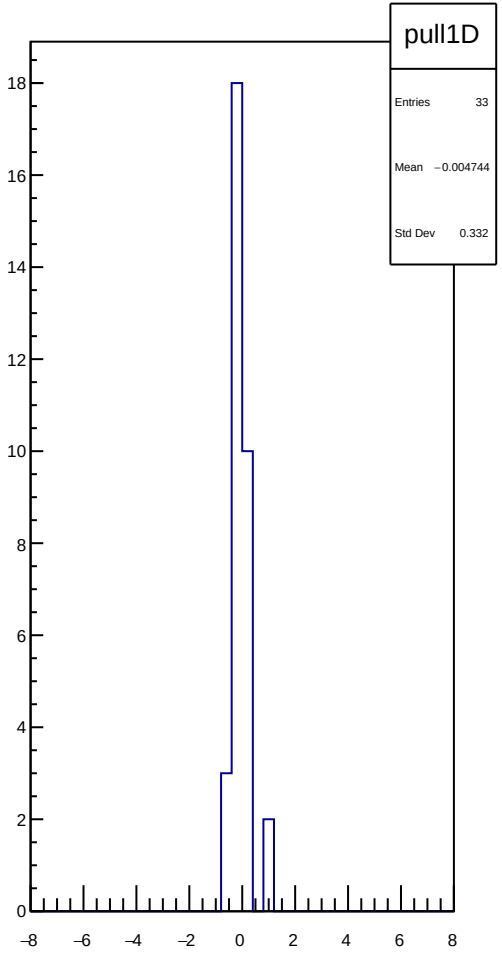

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 2.66 / 32
p0 4.562 ± 14.8
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.214
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2

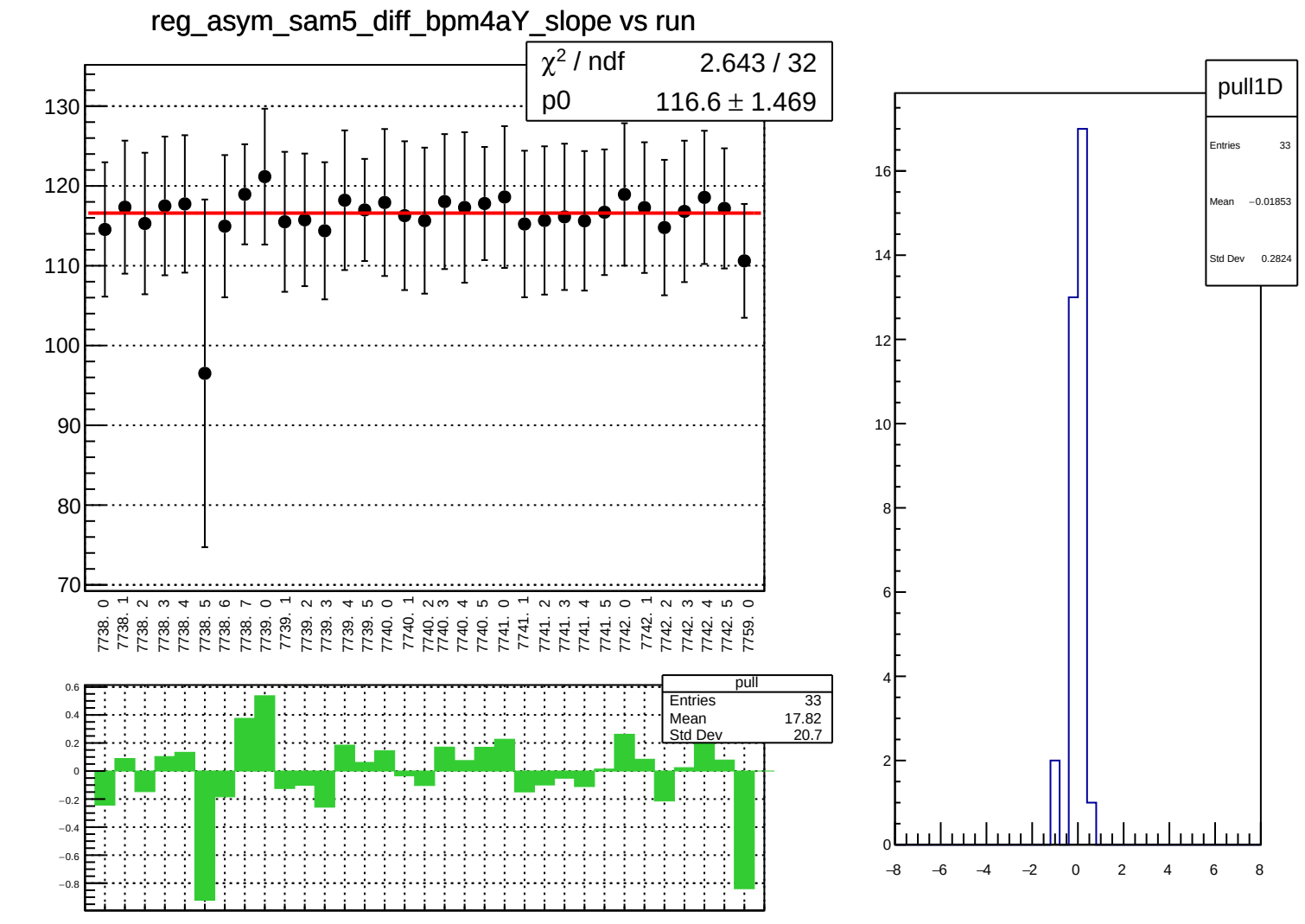

pull1D
Entries 33
Mean −0.03696
Std Dev 0.2815
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

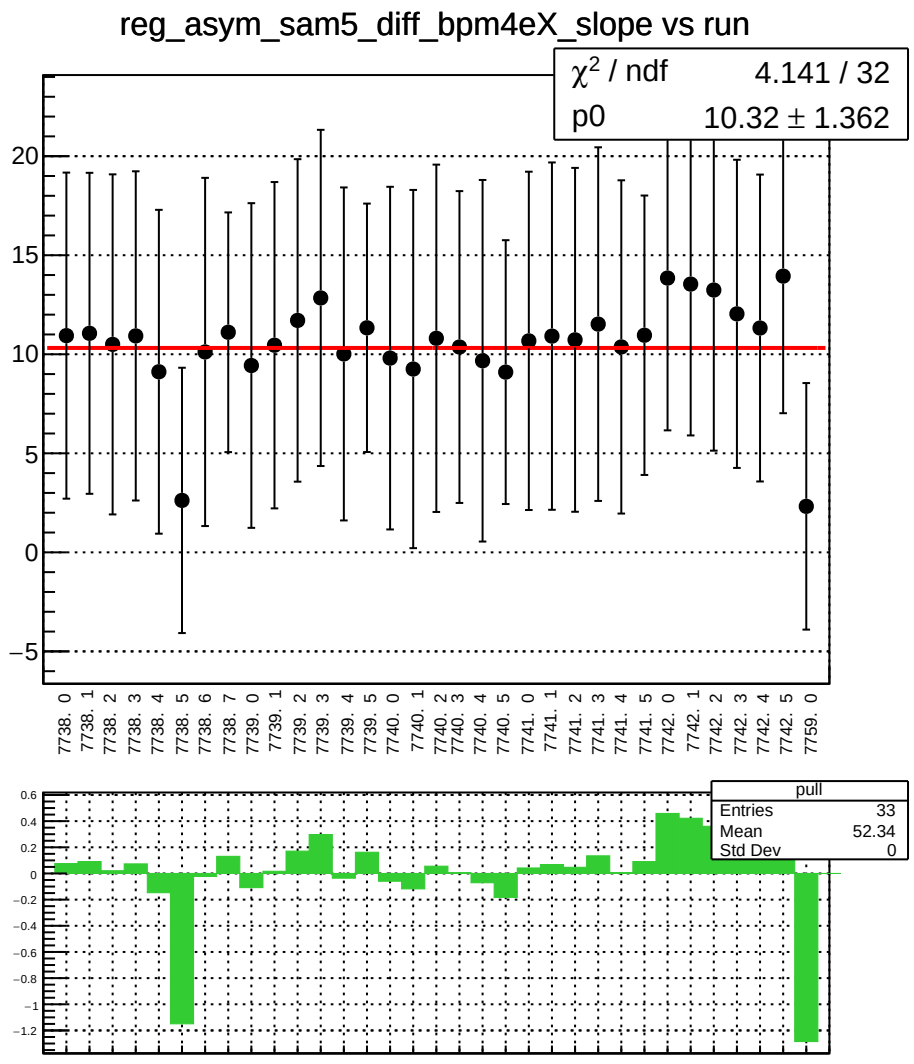

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 4.087 / 32
p0 −3.007 ± 0.4827
pull
Entries 33
Mean 28.95
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

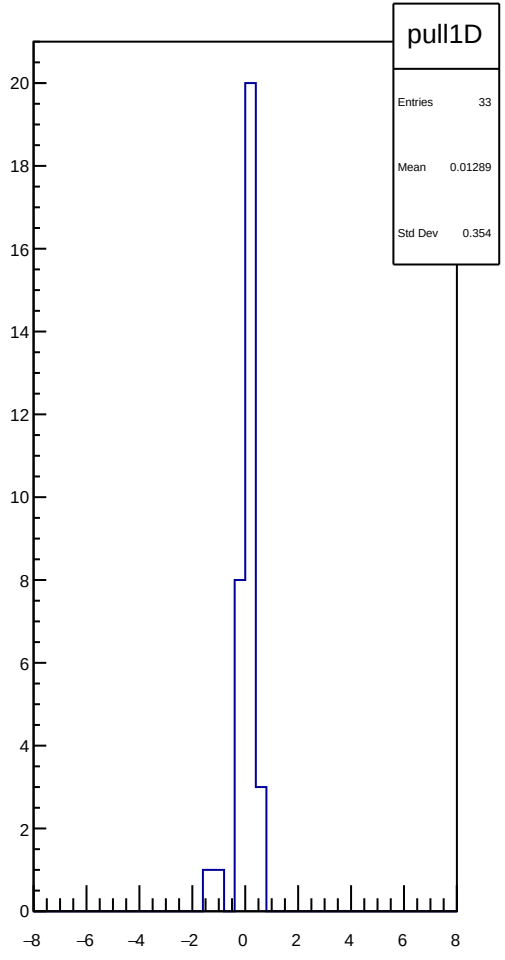

pull1D
Entries 33
Mean −0.0573
Std Dev 0.3472

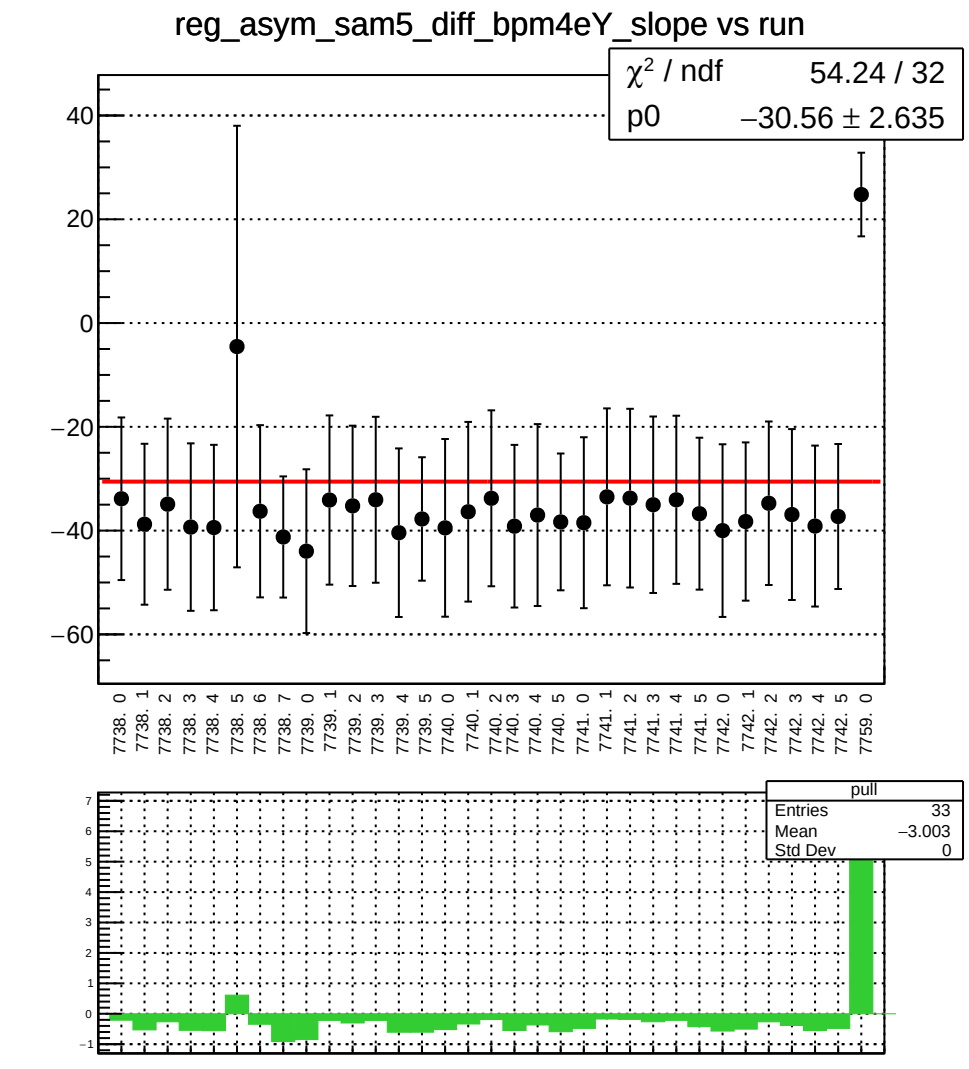

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 3.639 / 32
p0 −7.688 ± 1.352
pull
Entries 33
Mean 128.9
Std Dev 0

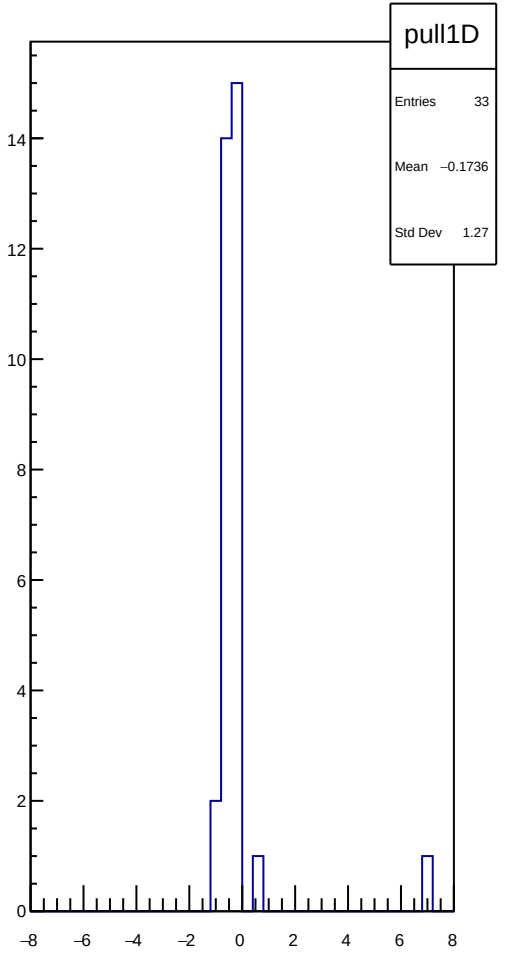

pull1D
Entries 33
Mean −0.004744
Std Dev 0.332

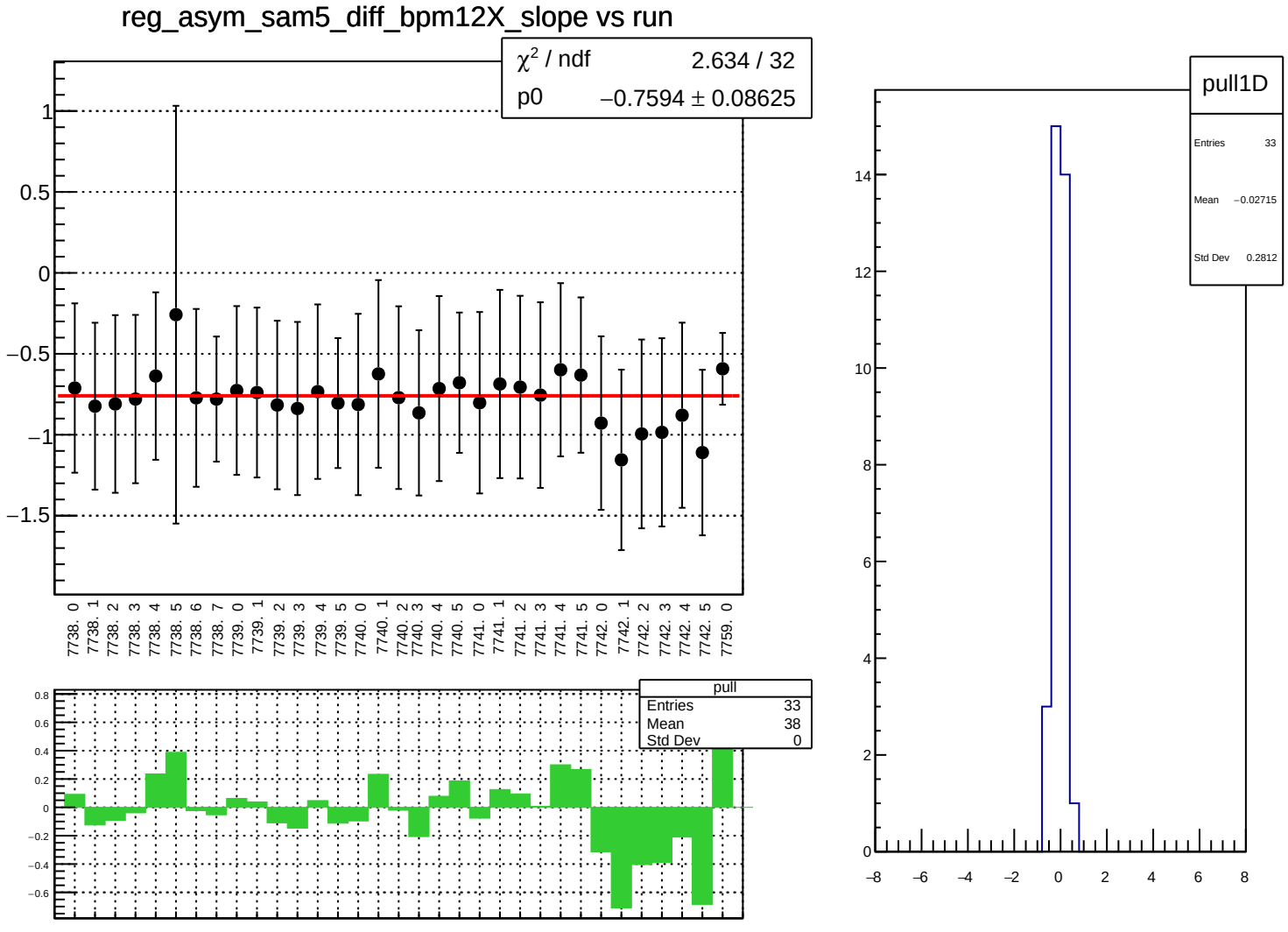

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 2.643 / 32
p0 116.6 ± 1.469
130
120
110
100
90
80
70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.82
Std Dev 20.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.01853
Std Dev 0.2824
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

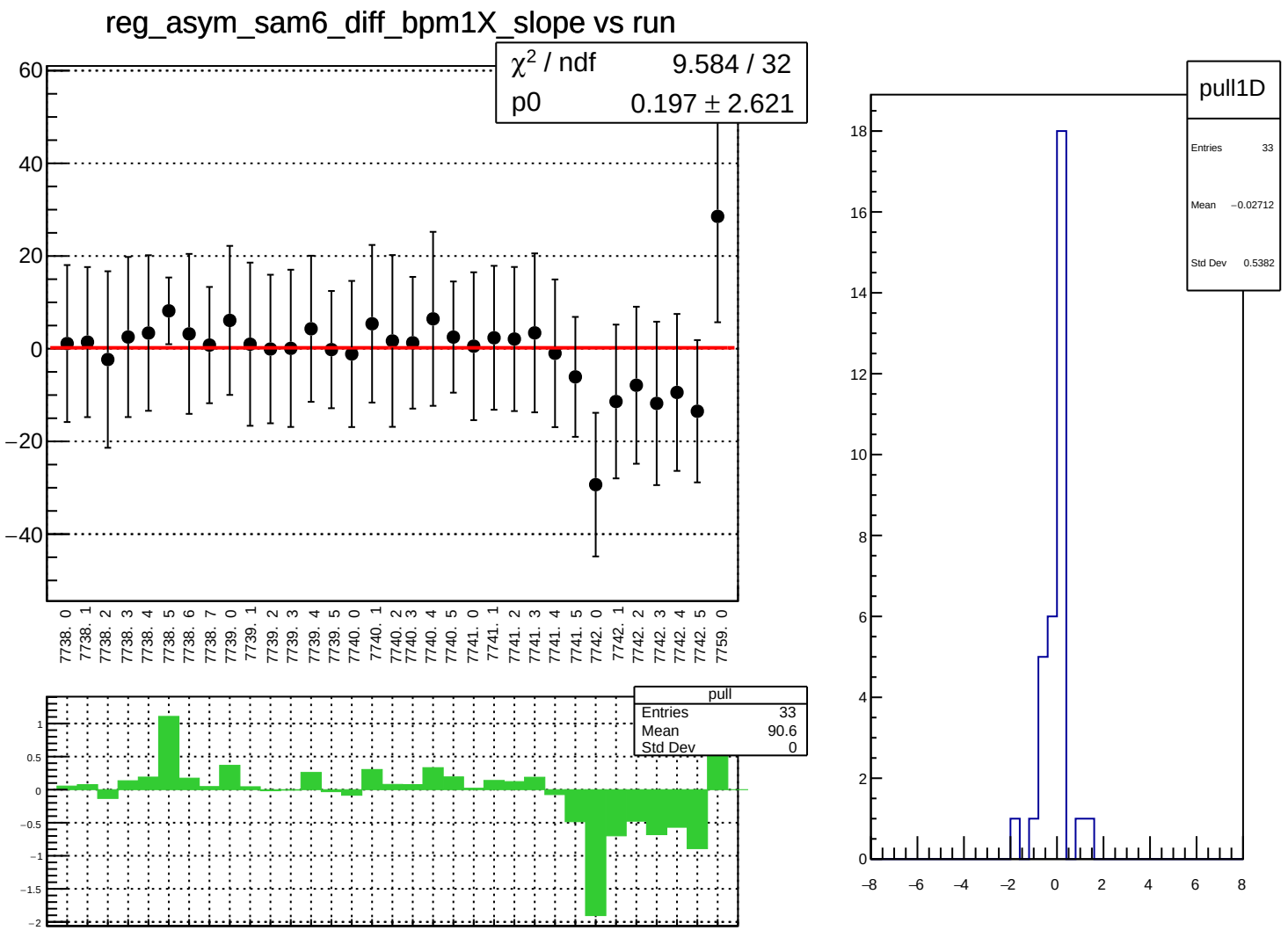

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 4.141 / 32
p0 10.32 ± 1.362
pull
Entries 33
Mean 52.34
Std Dev 0

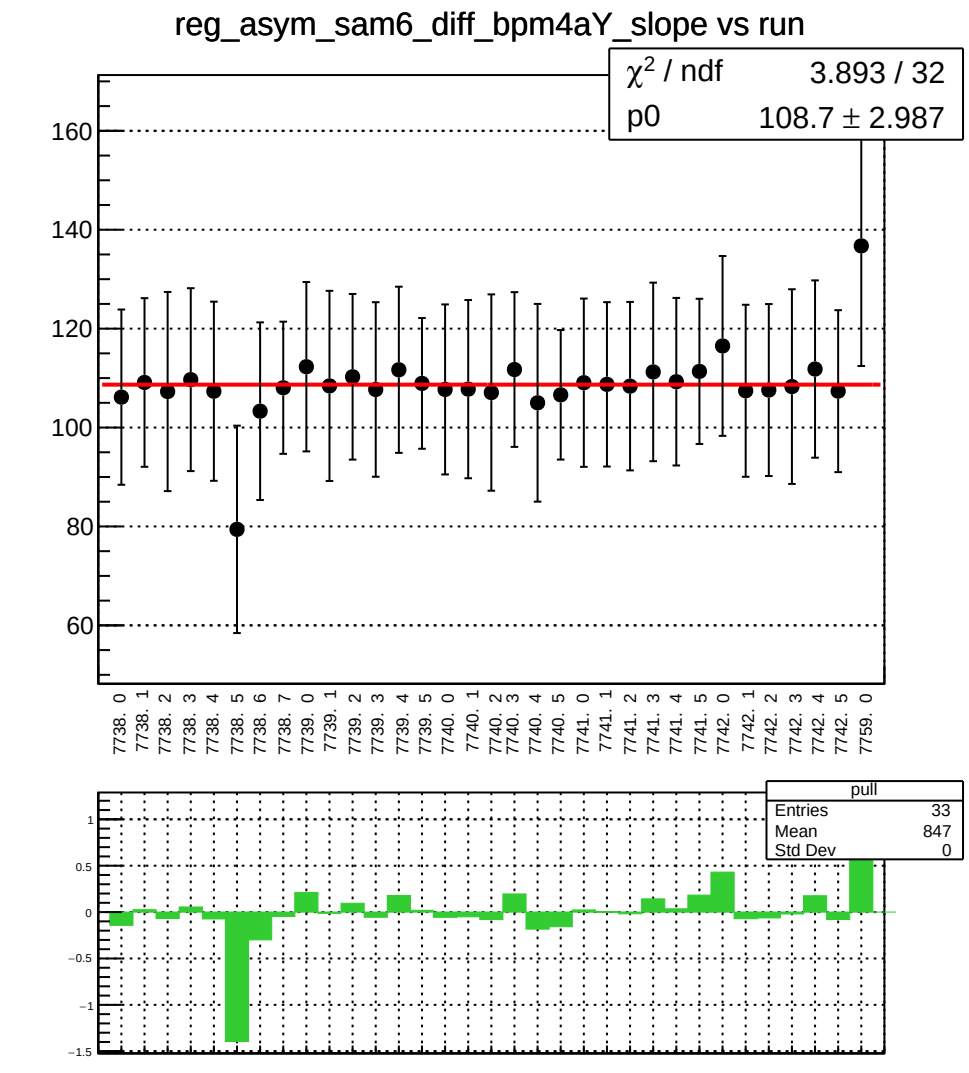

pull1D
Entries 33
Mean 0.01289
Std Dev 0.354

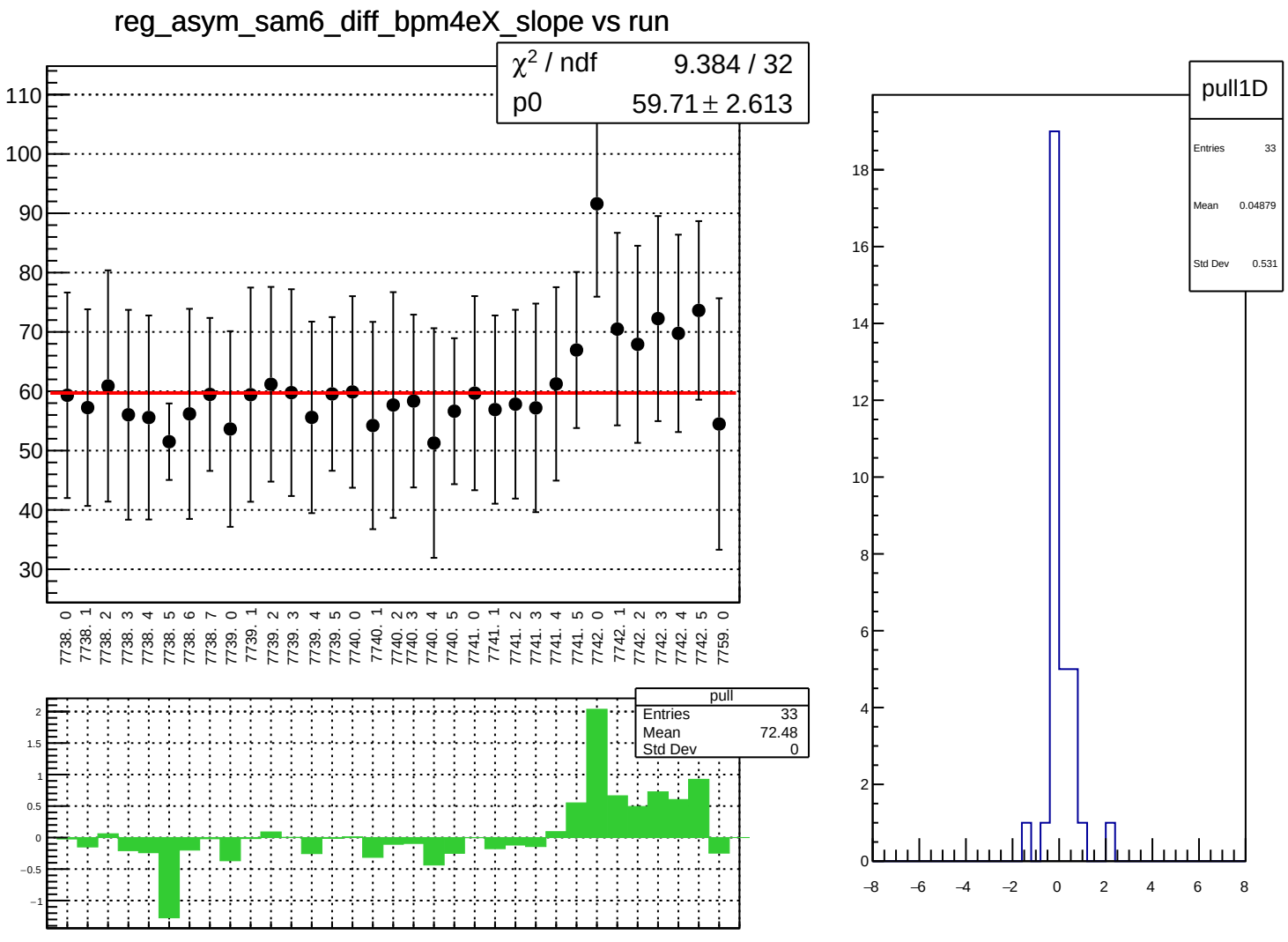

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 54.24 / 32
p0 −30.56 ± 2.635
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.003
Std Dev 0
7
6
5
4
3
2
1
0
−1

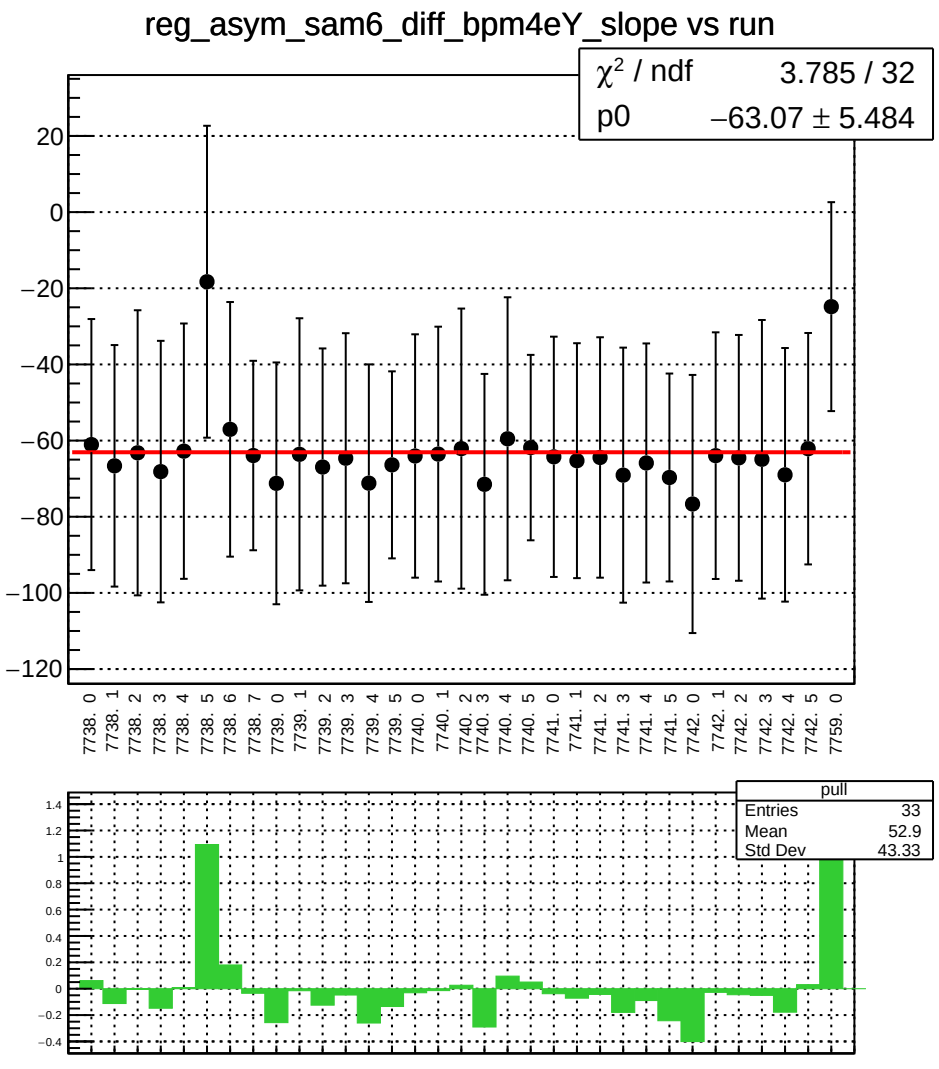

pull1D
Entries 33
Mean −0.1736
Std Dev 1.27
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

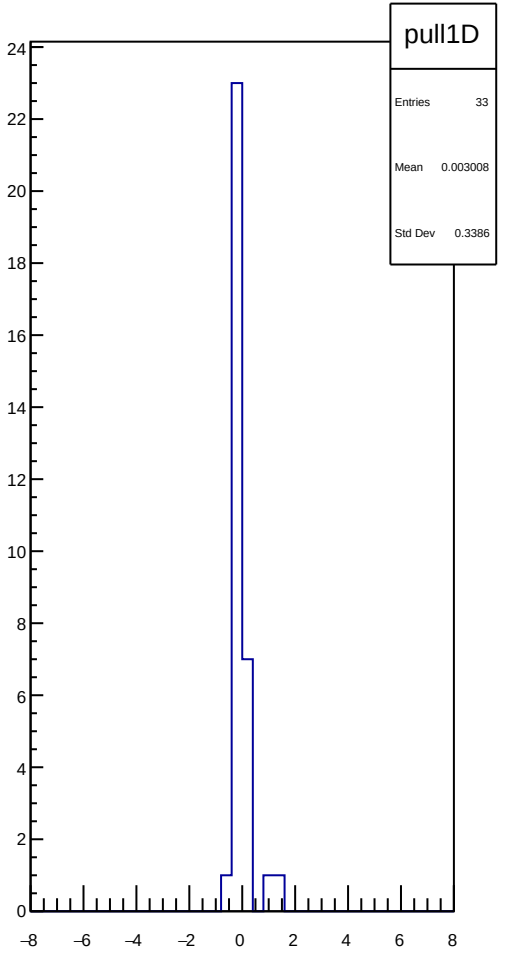

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.634 / 32
p0 −0.7594 ± 0.08625
1
0.5
0
−0.5
−1
−1.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.02715
Std Dev 0.2812
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

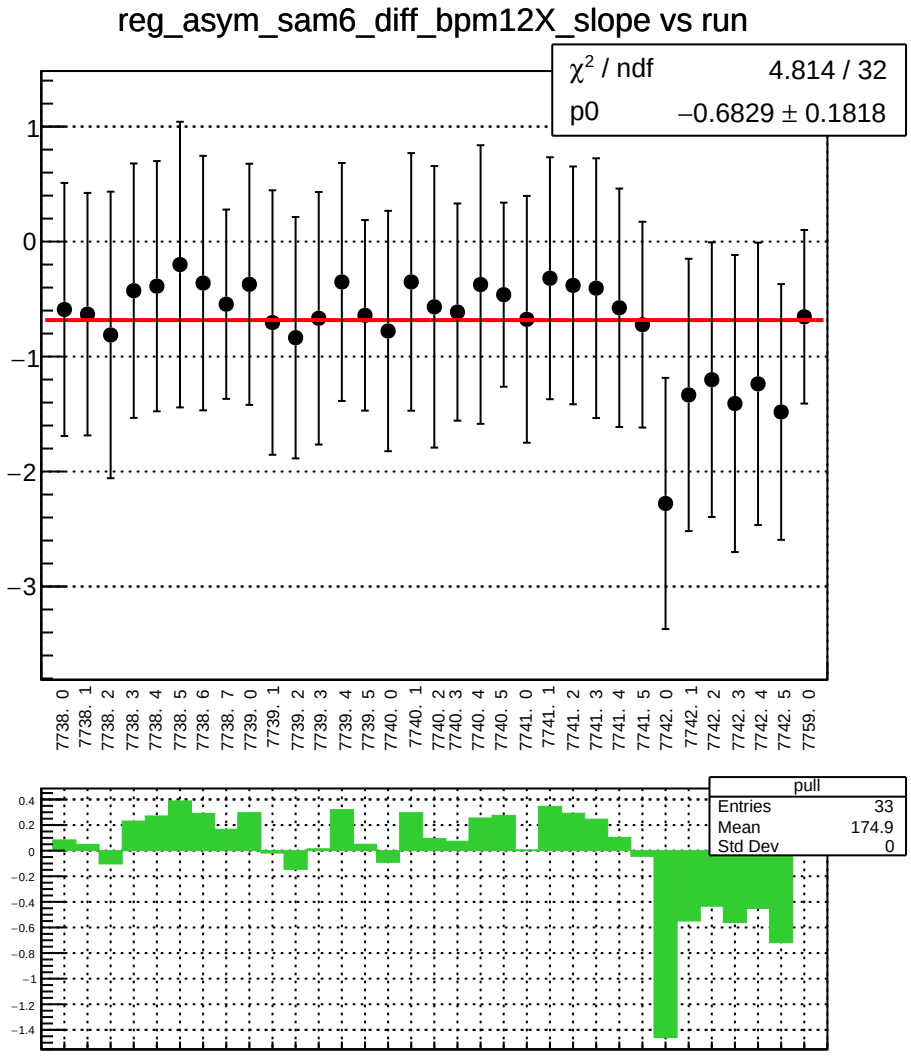

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 9.584 / 32
p0 0.197 ± 2.621
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 90.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02712
Std Dev 0.5382
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

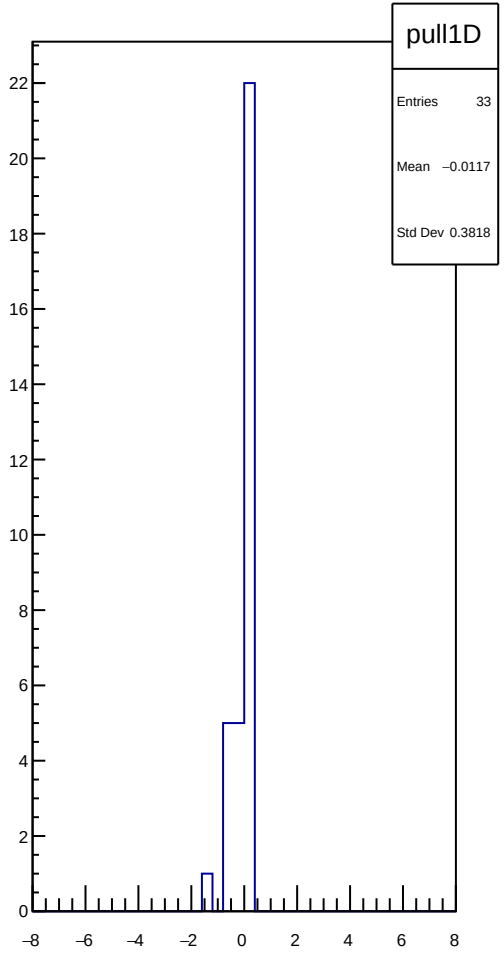

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 3.893 / 32
p0 108.7 ± 2.987
160
140
120
100
80
60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 847
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.001599
Std Dev 0.3435
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

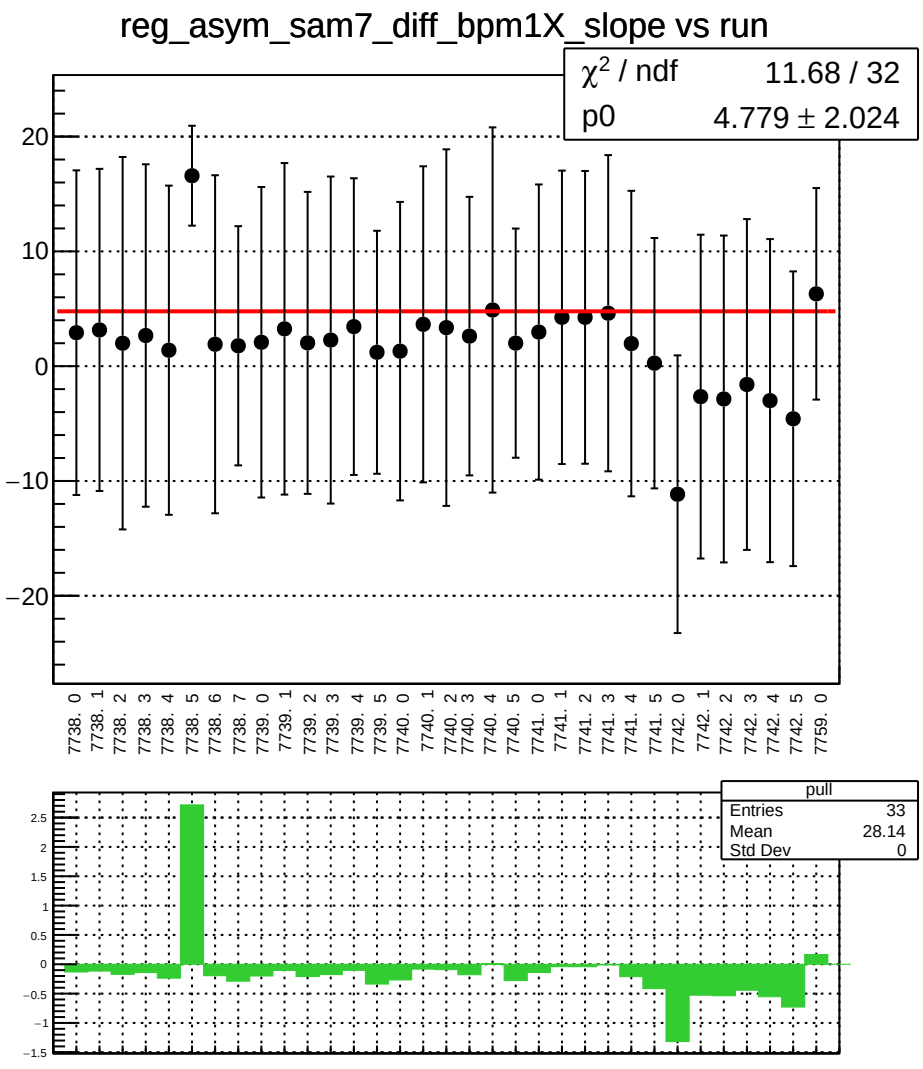

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 9.384 / 32
p0 59.71 ± 2.613
110
100
90
80
70
60
50
40
30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 72.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.04879
Std Dev 0.531
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

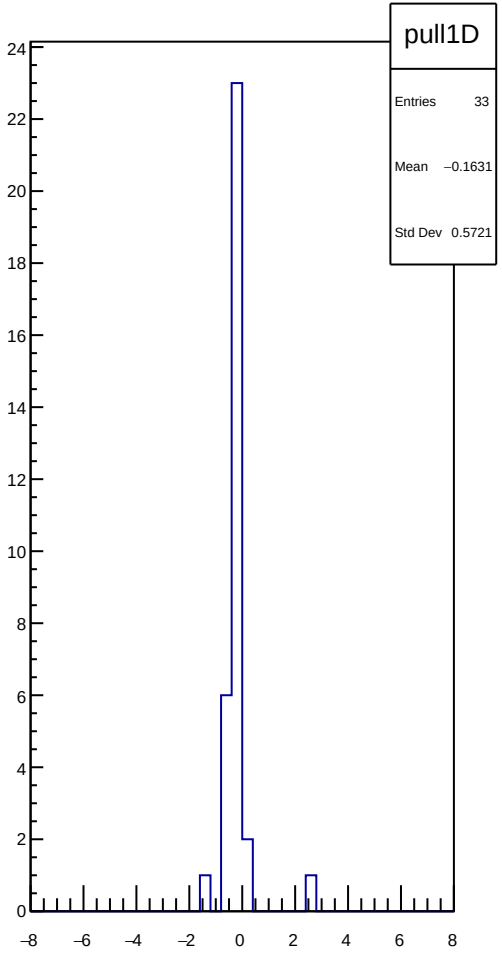

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 3.785 / 32
p0 −63.07 ± 5.484
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 52.9
Std Dev 43.33
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

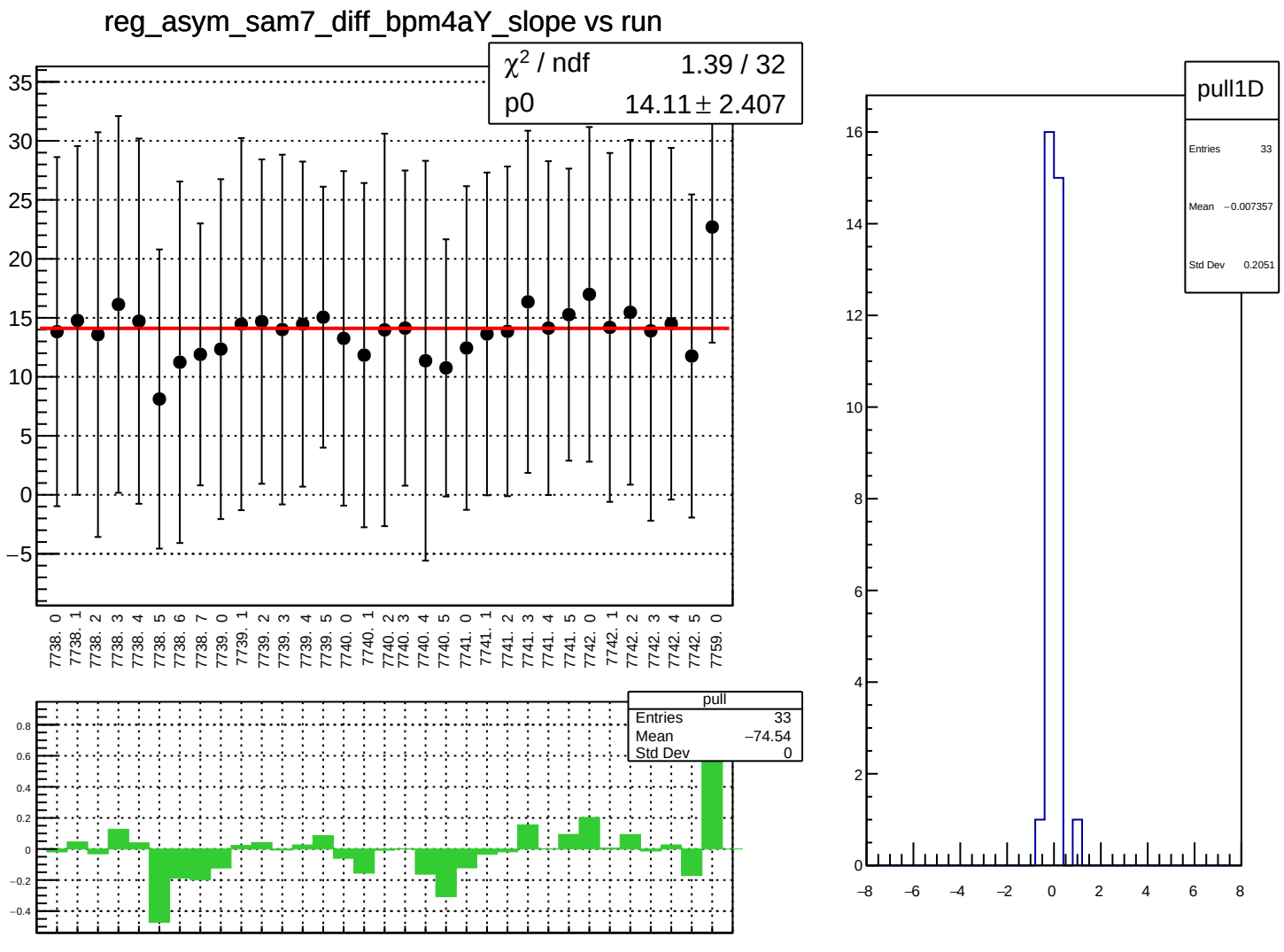

pull1D
Entries 33
Mean 0.003008
Std Dev 0.3386
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

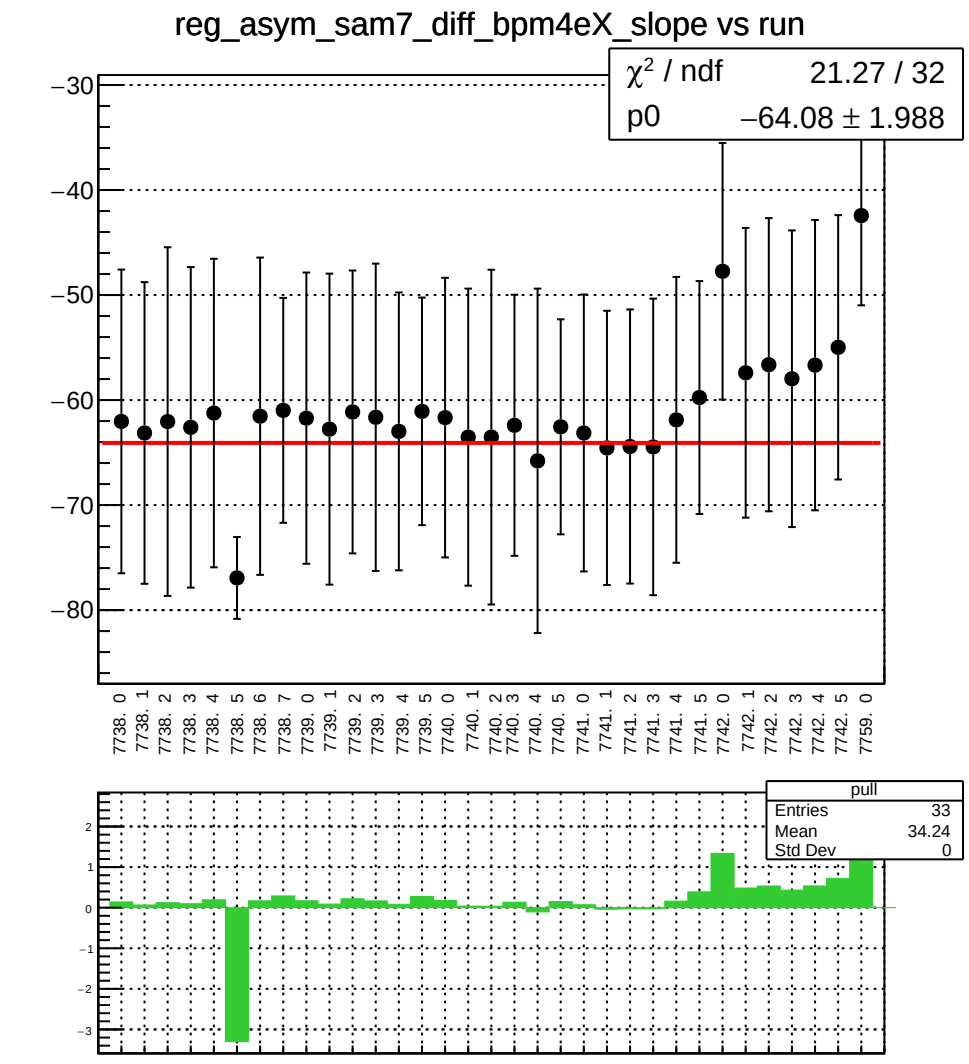

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 4.814 / 32
p0 −0.6829 ± 0.1818
pull
Entries 33
Mean 174.9
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

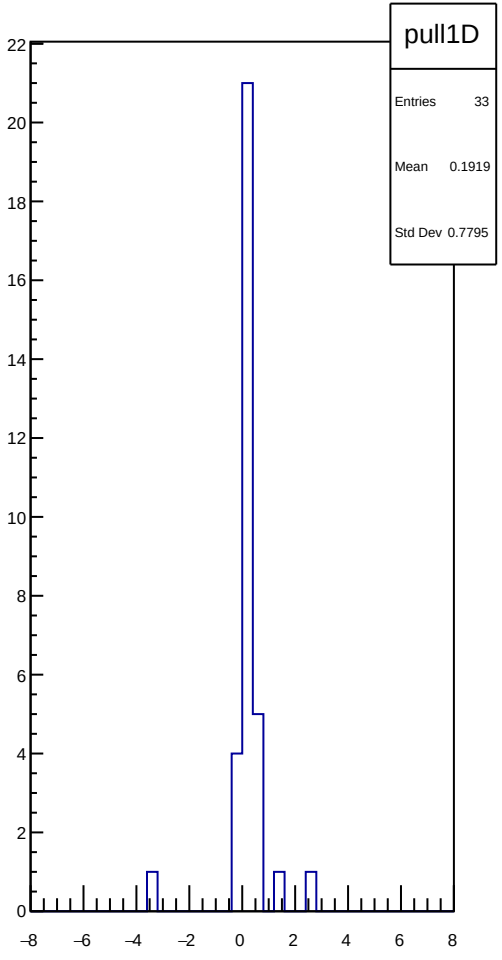

pull1D
Entries 33
Mean −0.0117
Std Dev 0.3818

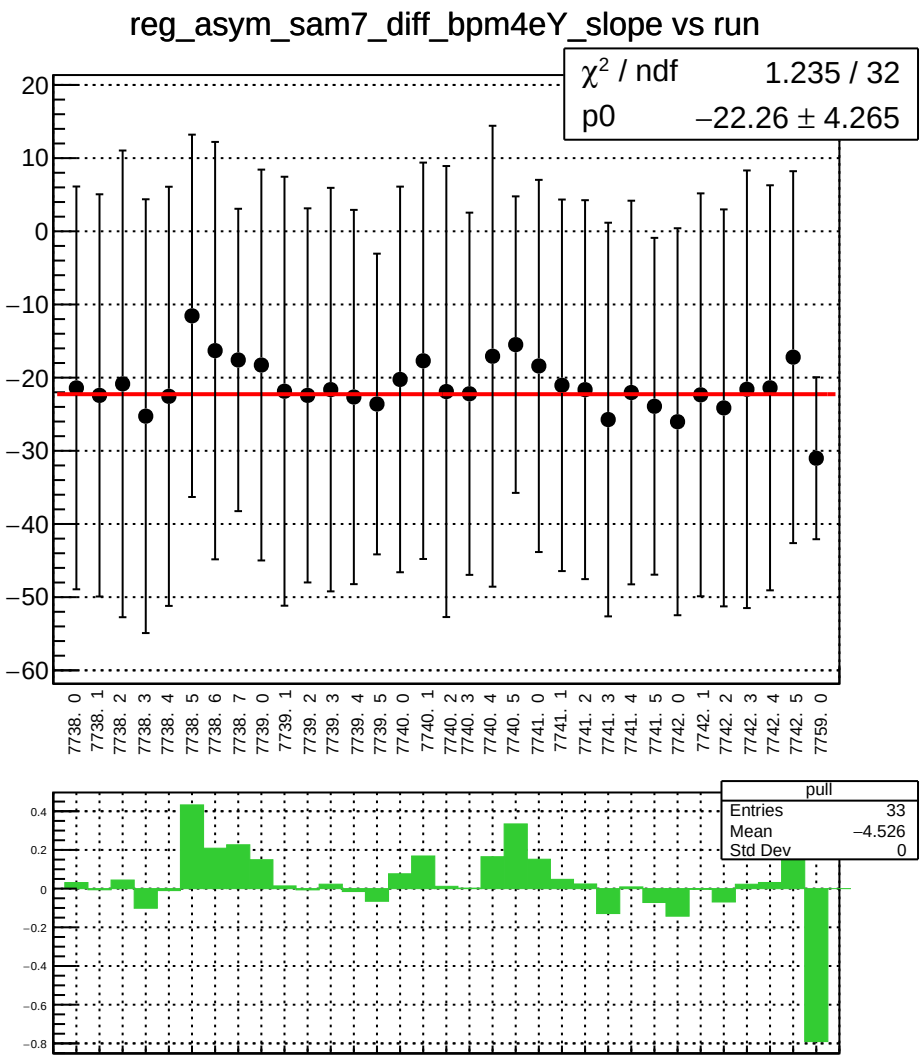

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 11.68 / 32
p0 4.779 ± 2.024
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 28.14
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

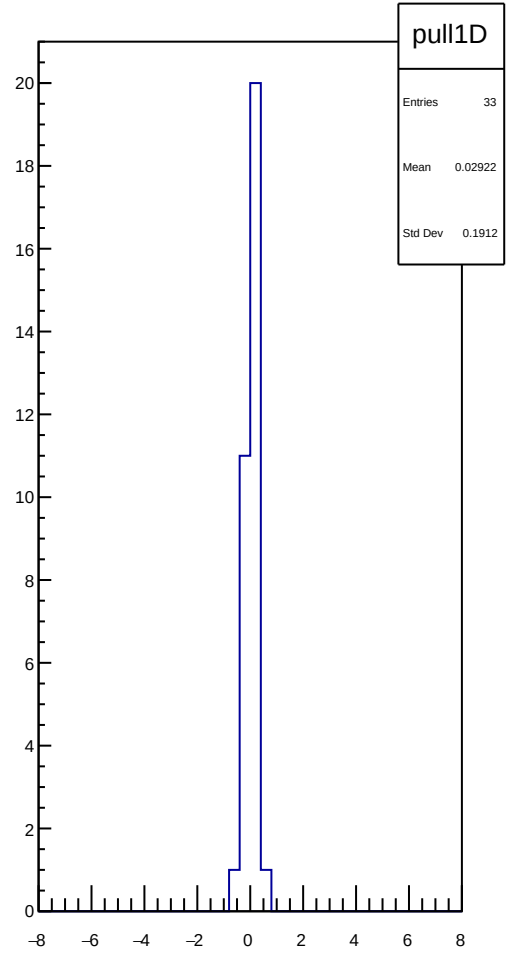

pull1D
Entries 33
Mean −0.1631
Std Dev 0.5721
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

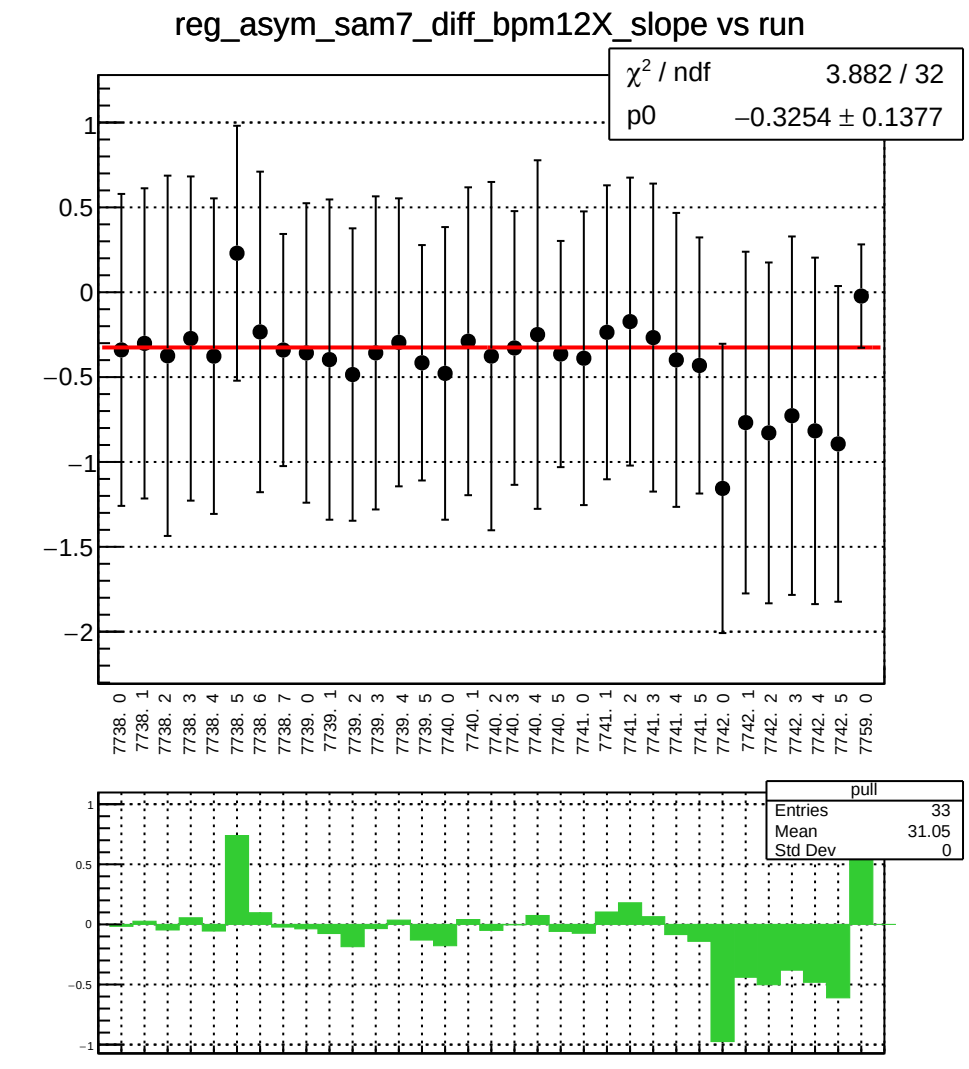

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 1.39 / 32
p0 14.11 ± 2.407
35
30
25
20
15
10
5
0
−5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −74.54
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.007357
Std Dev 0.2051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

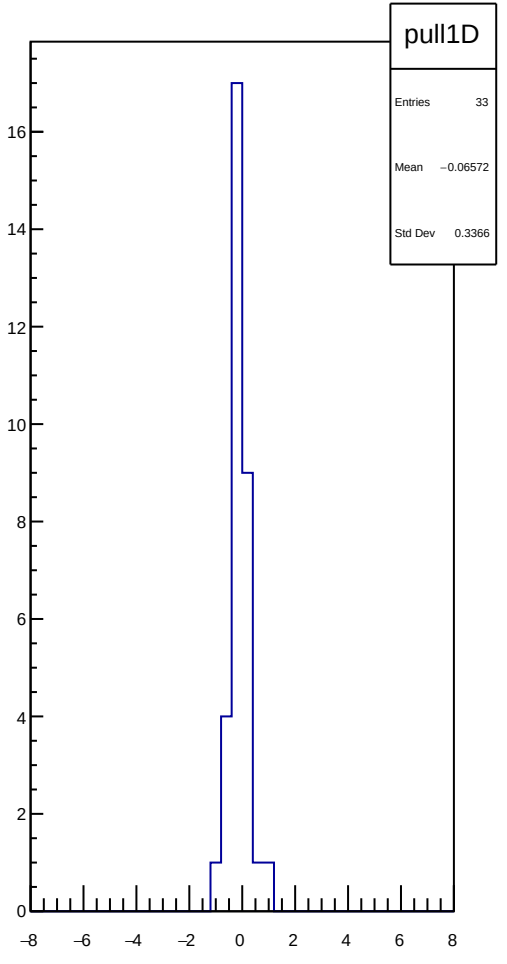

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 21.27 / 32
p0 −64.08 ± 1.988
−30
−40
−50
−60
−70
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 34.24
Std Dev 0
2
1
0
−1
−2
−3

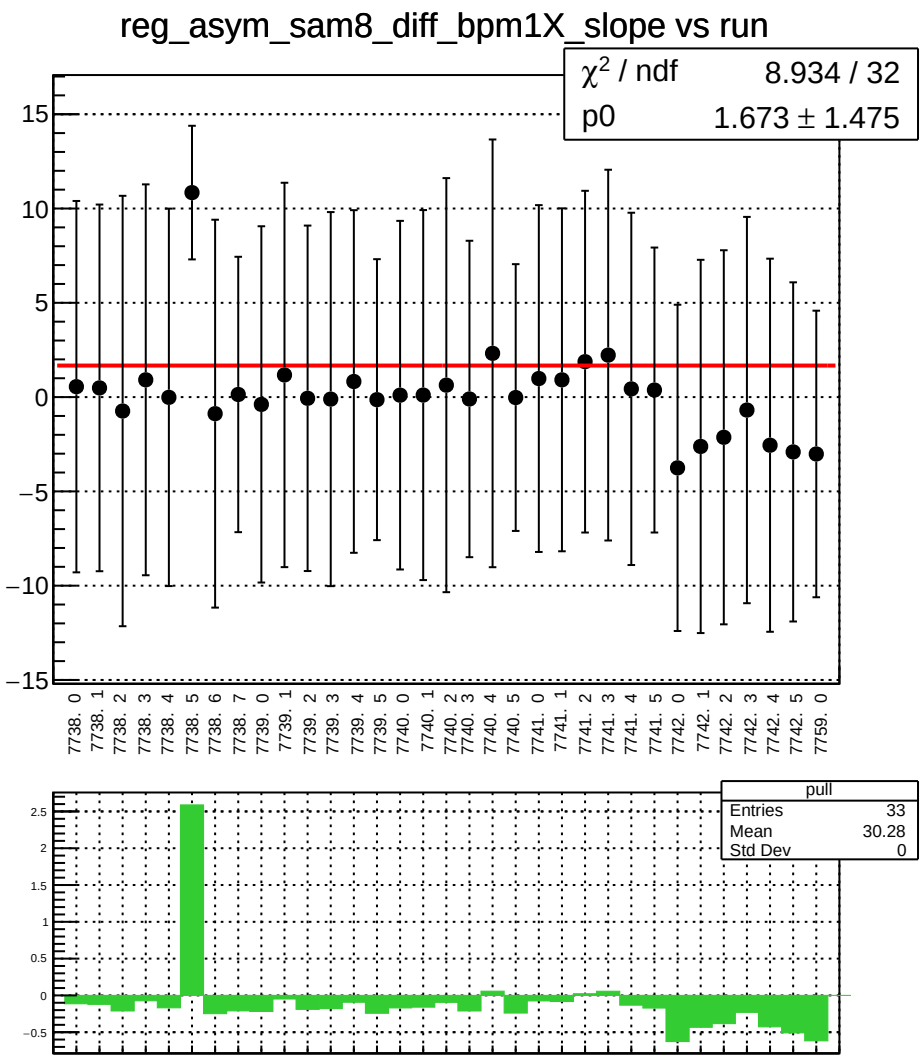

pull1D
Entries 33
Mean 0.1919
Std Dev 0.7795
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

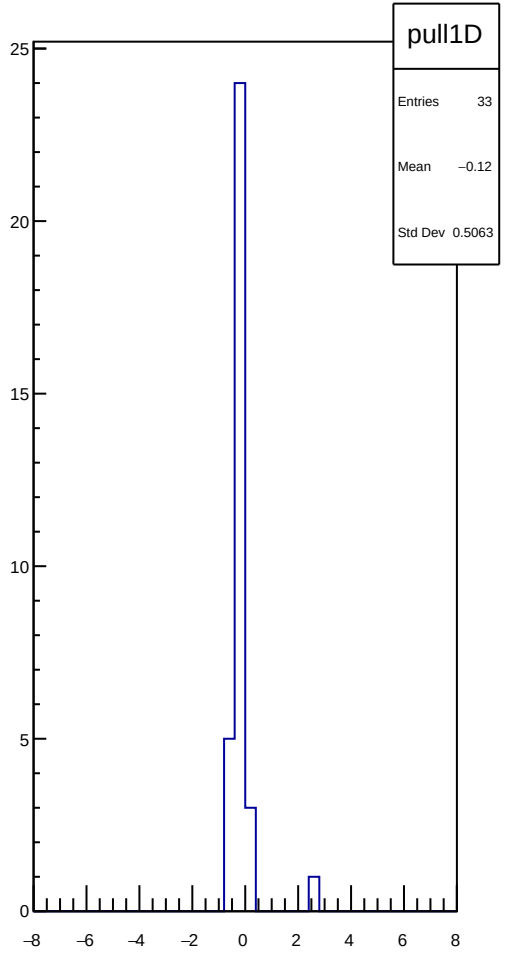

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 1.235 / 32
p0 −22.26 ± 4.265
pull
Entries 33
Mean −4.526
Std Dev 0

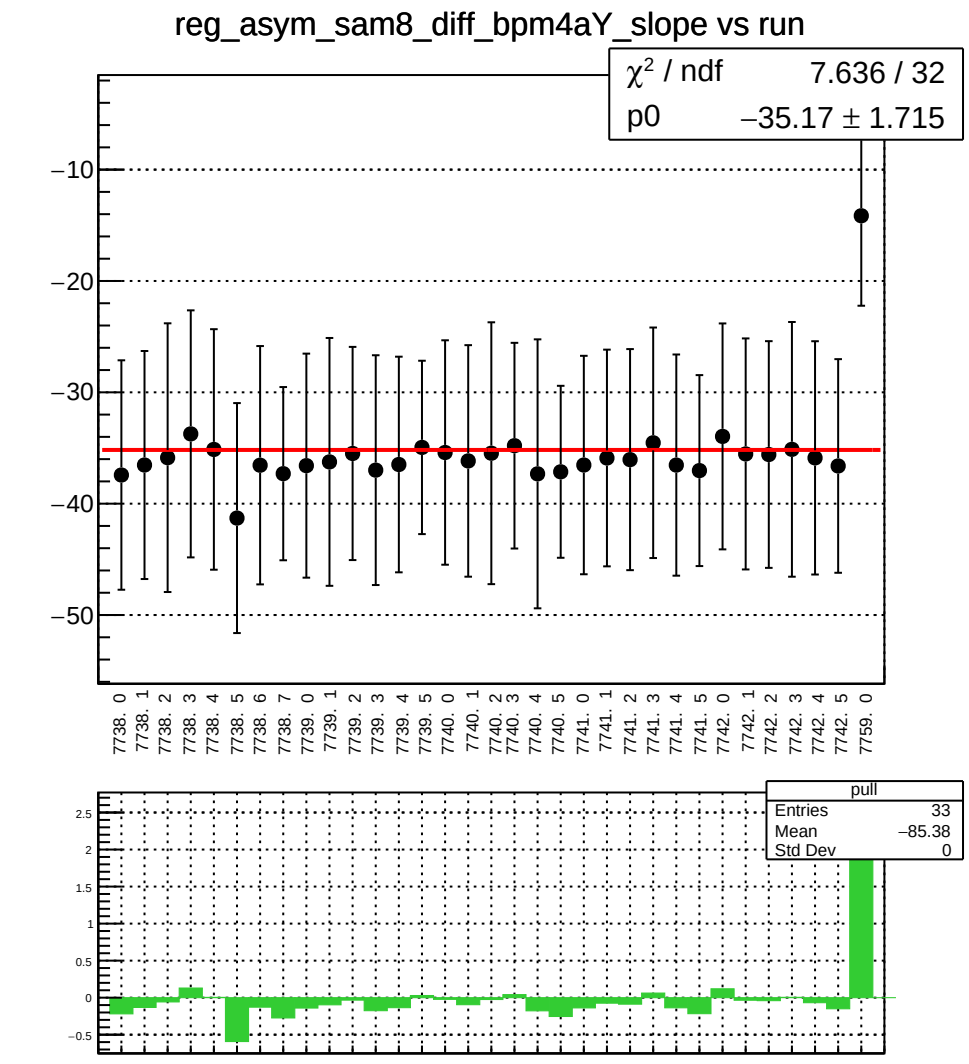

pull1D
Entries 33
Mean 0.02922
Std Dev 0.1912

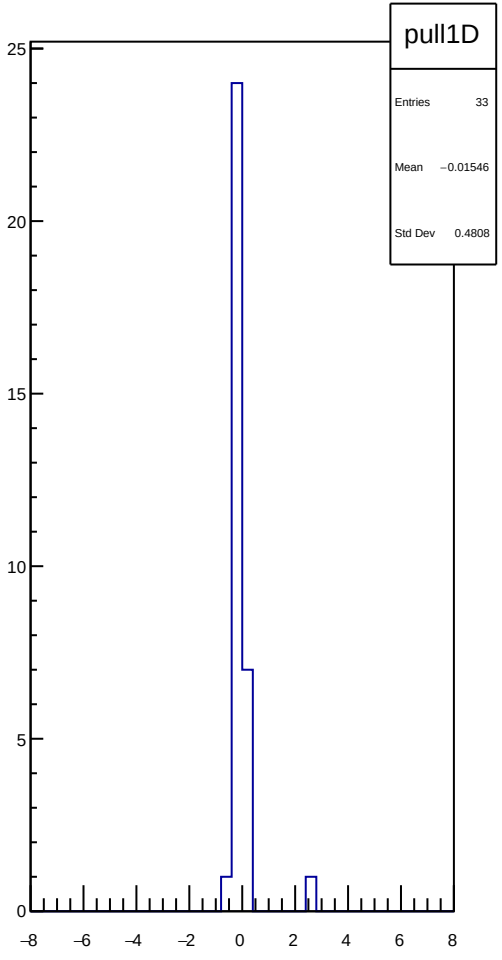

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 3.882 / 32
p0 −0.3254 ± 0.1377
pull
Entries 33
Mean 31.05
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

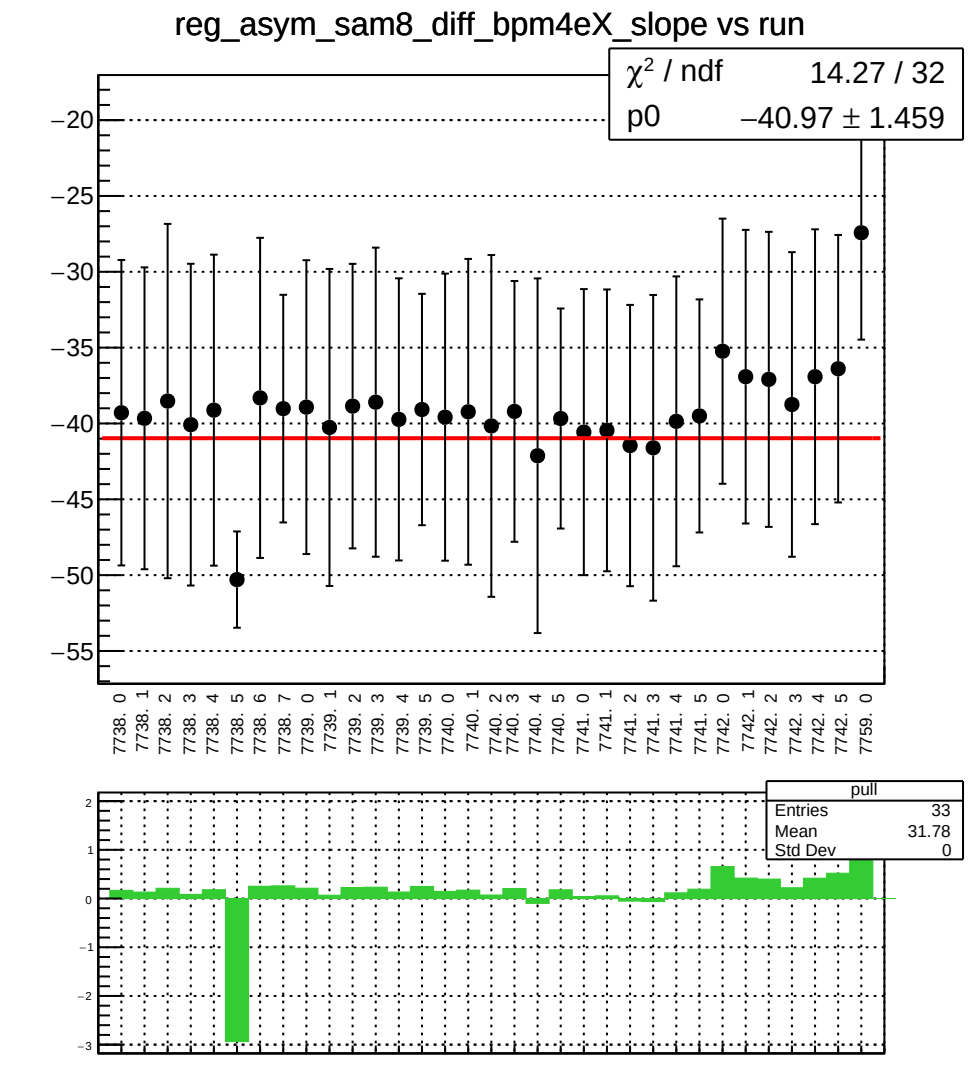

pull1D
Entries 33
Mean −0.06572
Std Dev 0.3366

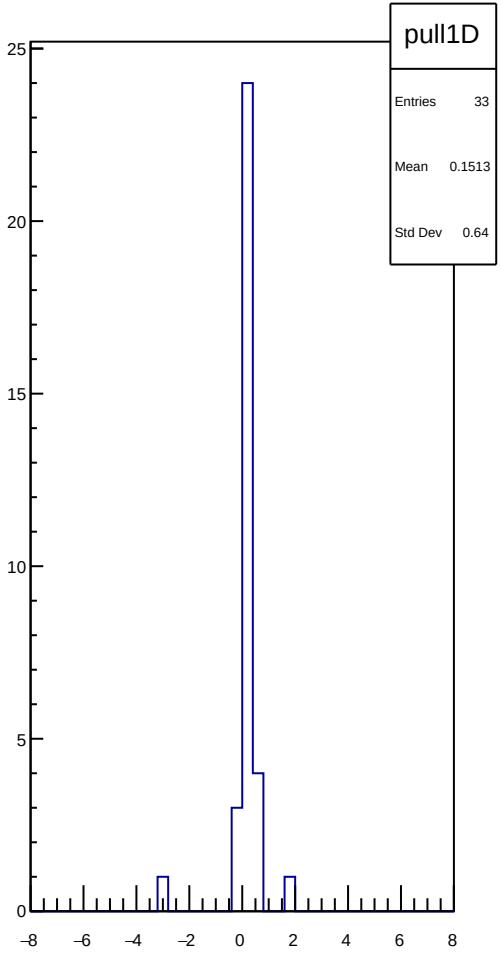

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 8.934 / 32
p0 1.673 ± 1.475
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 30.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5

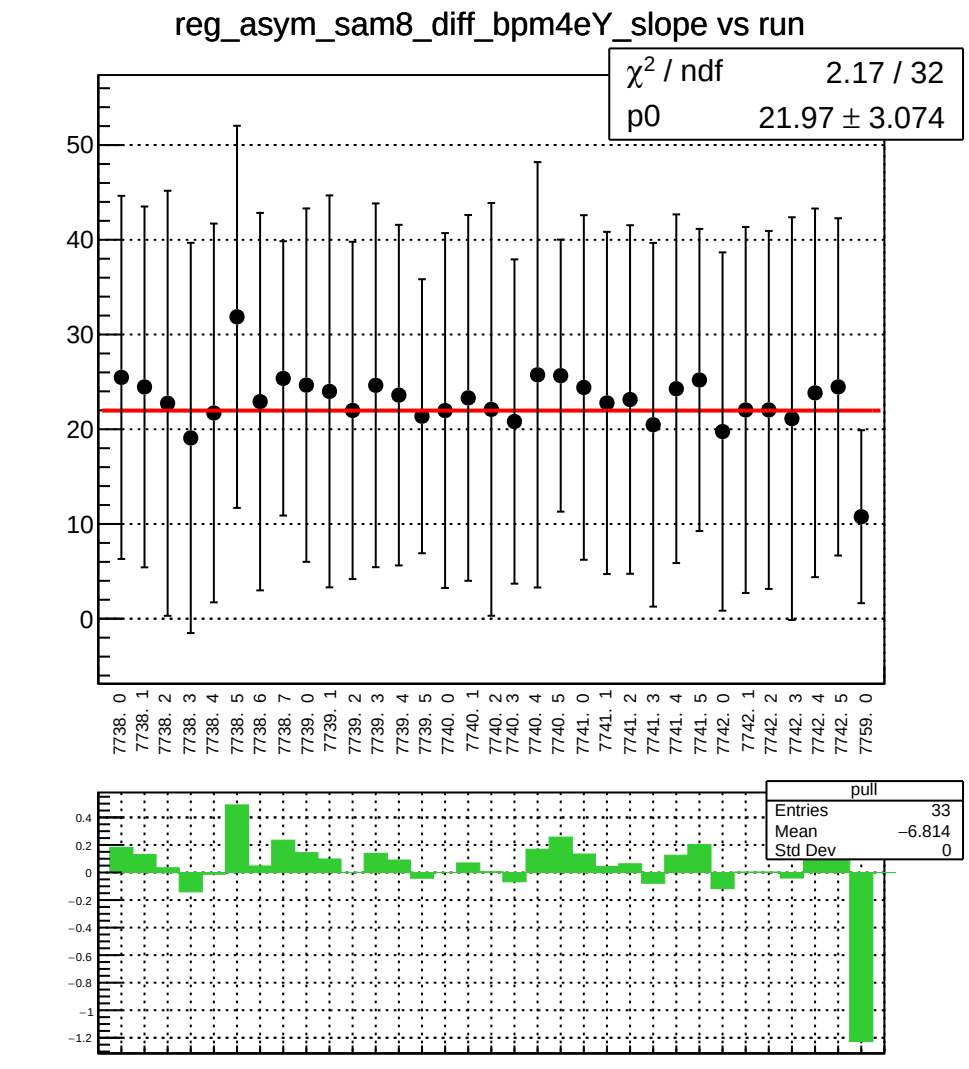

pull1D
Entries 33
Mean −0.12
Std Dev 0.5063
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

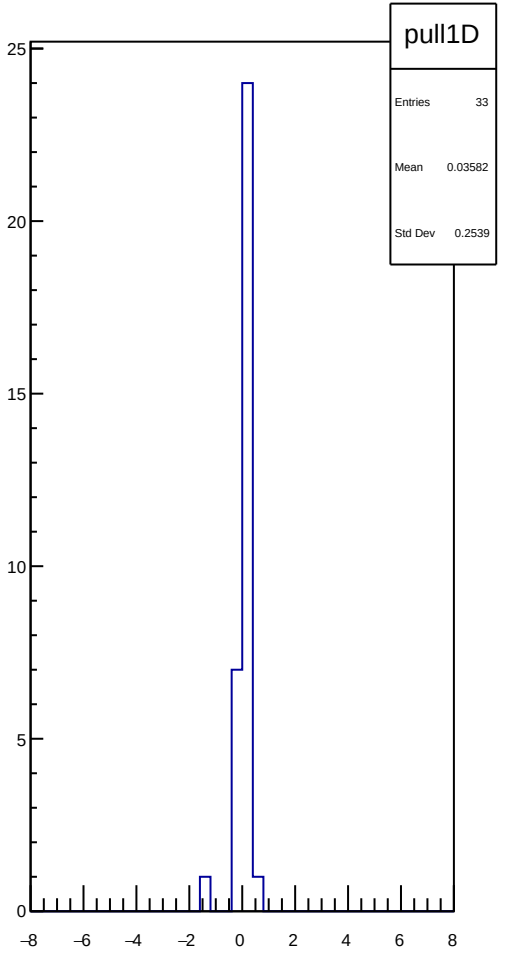

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 7.636 / 32
p0 −35.17 ± 1.715
−10
−20
−30
−40
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −85.38
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5

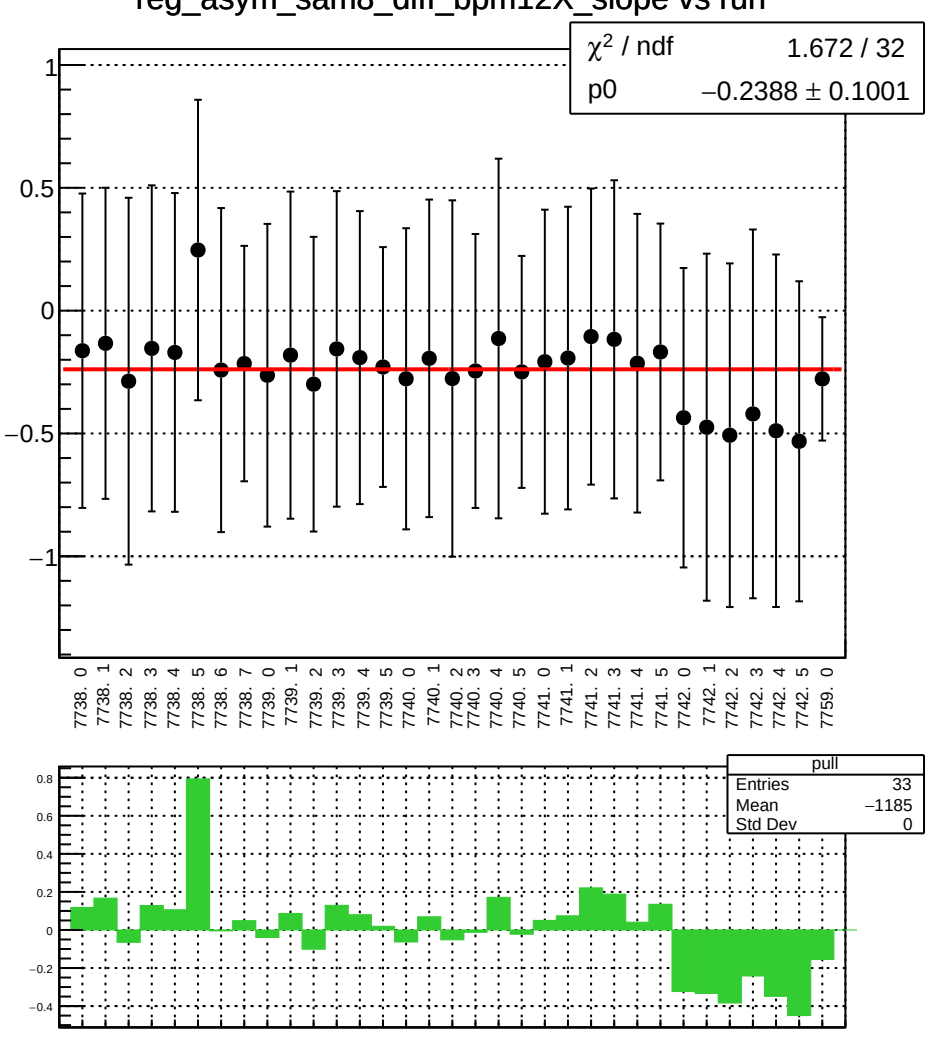

pull1D
Entries 33
Mean −0.01546
Std Dev 0.4808
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

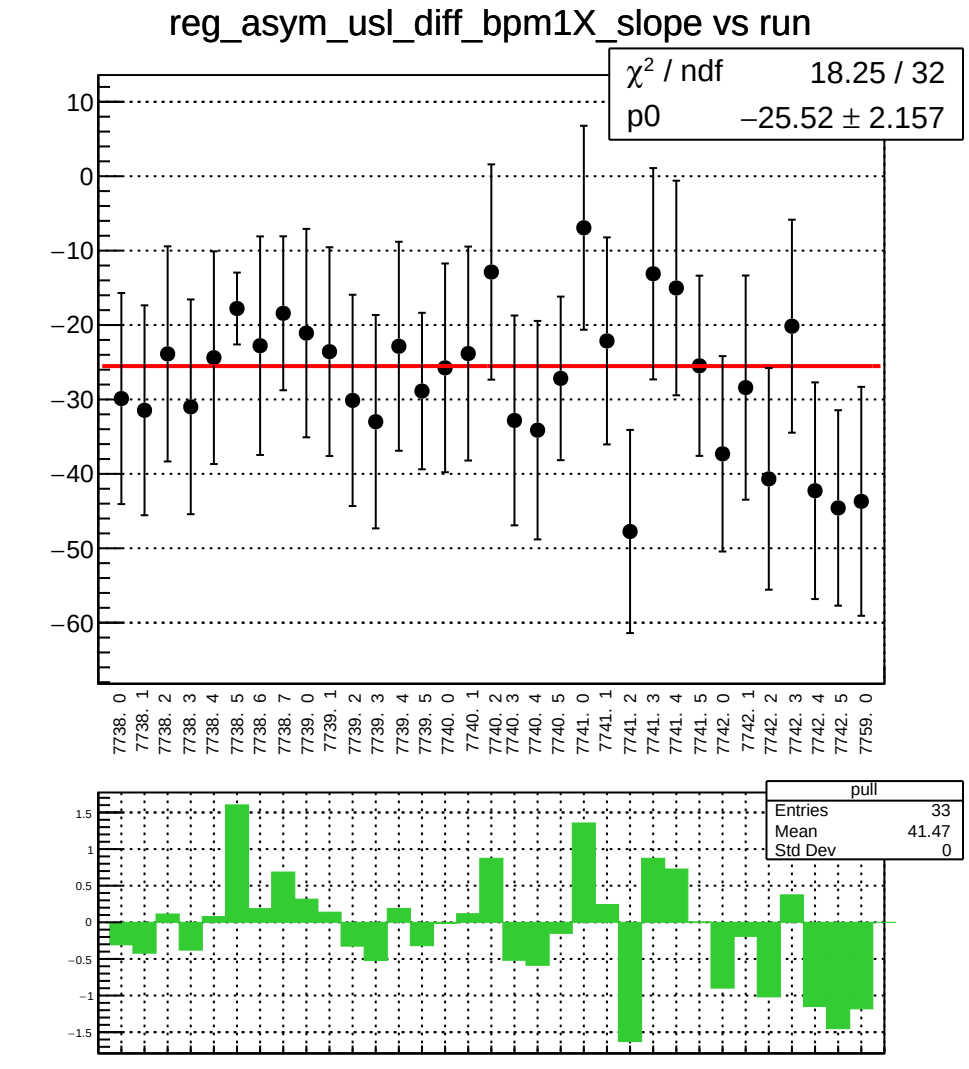

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 14.27 / 32
p0 −40.97 ± 1.459
pull
Entries 33
Mean 31.78
Std Dev 0

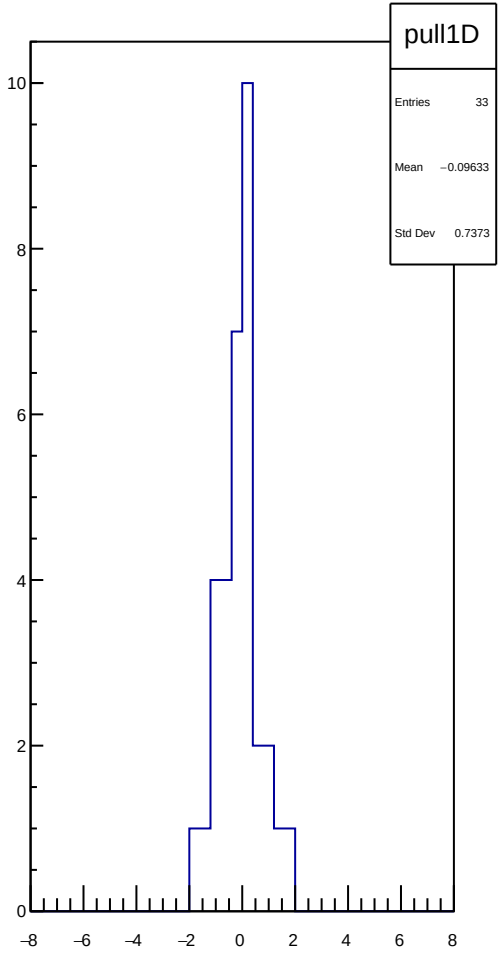

pull1D
Entries 33
Mean 0.1513
Std Dev 0.64

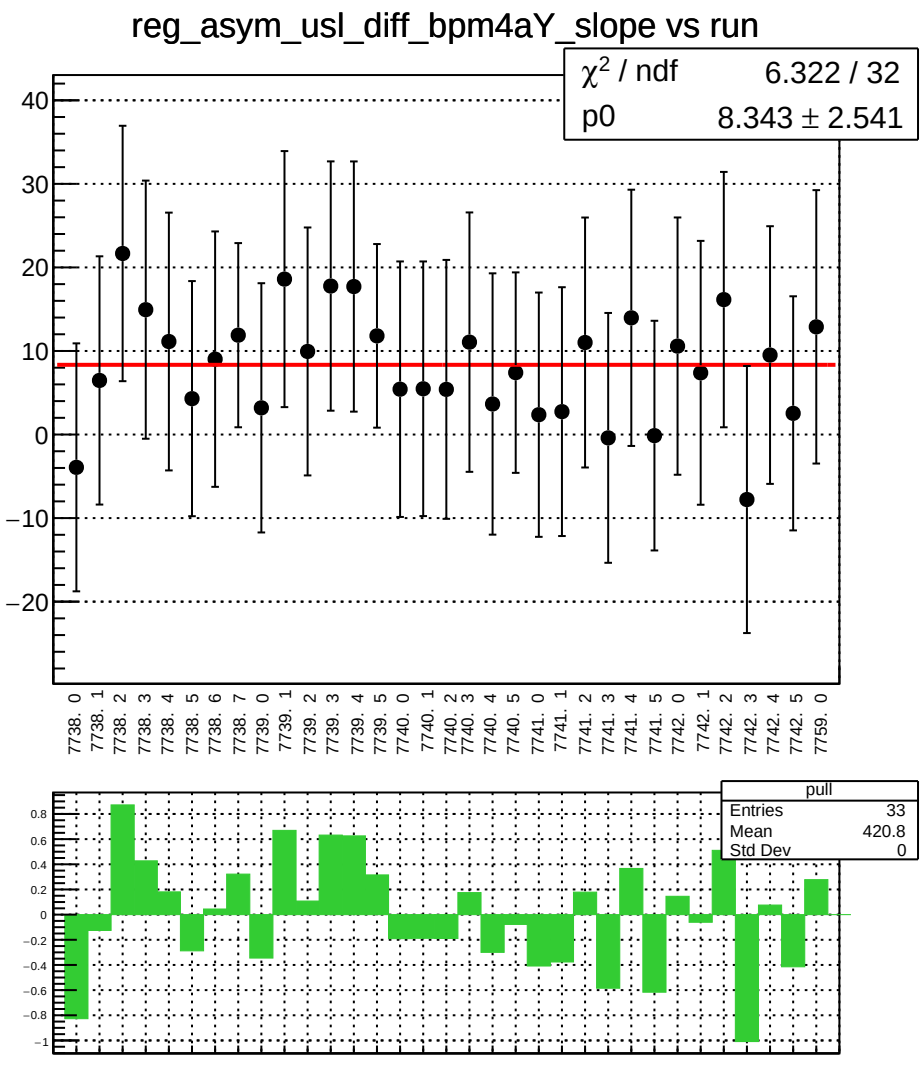

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 2.17 / 32
p0 21.97 ± 3.074
50
40
30
20
10
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.814
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

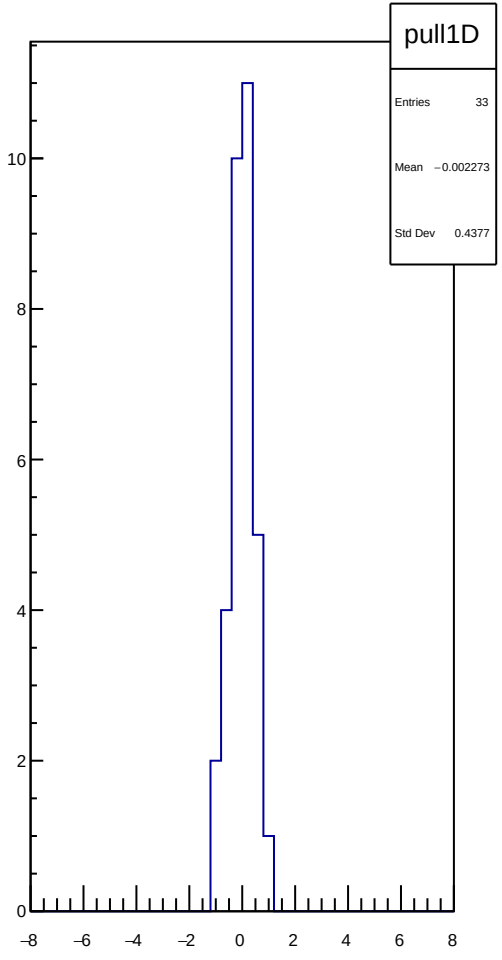

pull1D
Entries 33
Mean 0.03582
Std Dev 0.2539
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

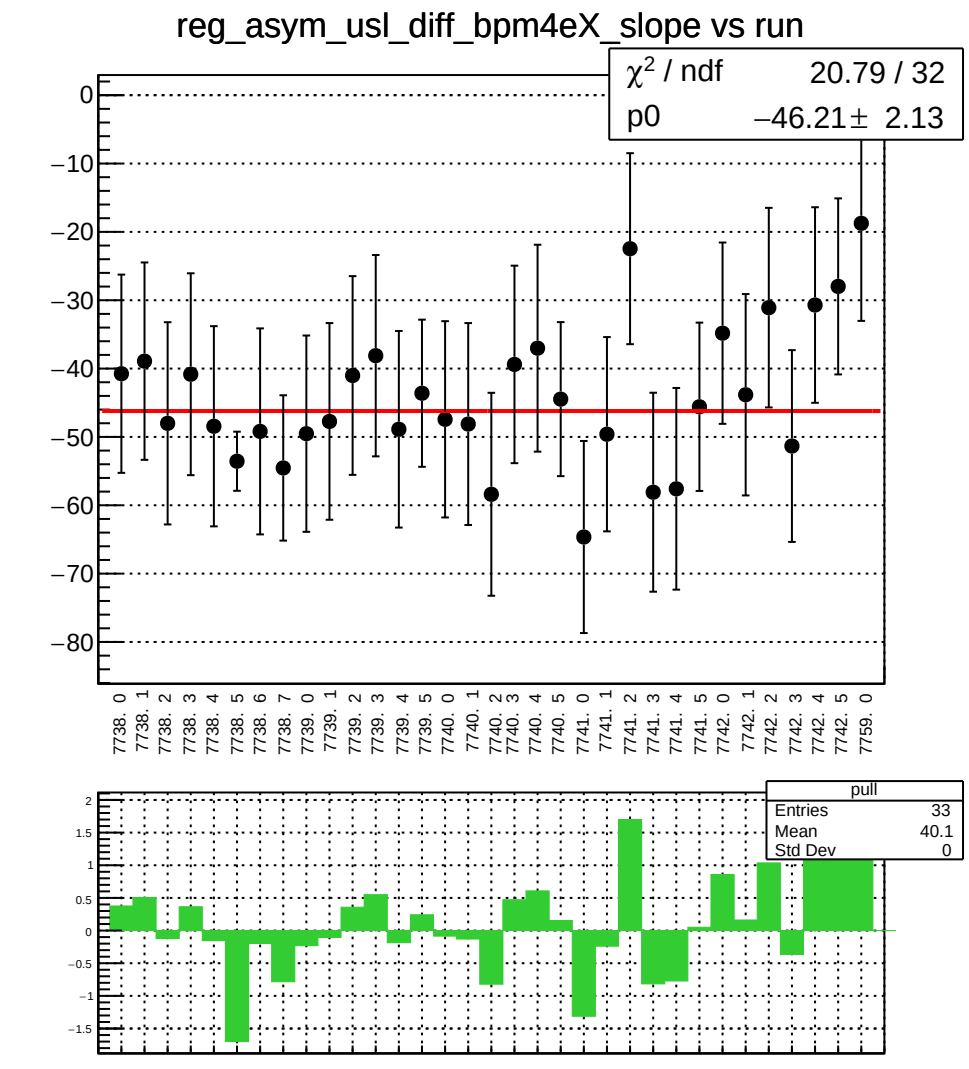

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 1.672 / 32
p0 −0.2388 ± 0.1001
1
0.5
0
−0.5
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1185
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.001008
Std Dev 0.2251
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

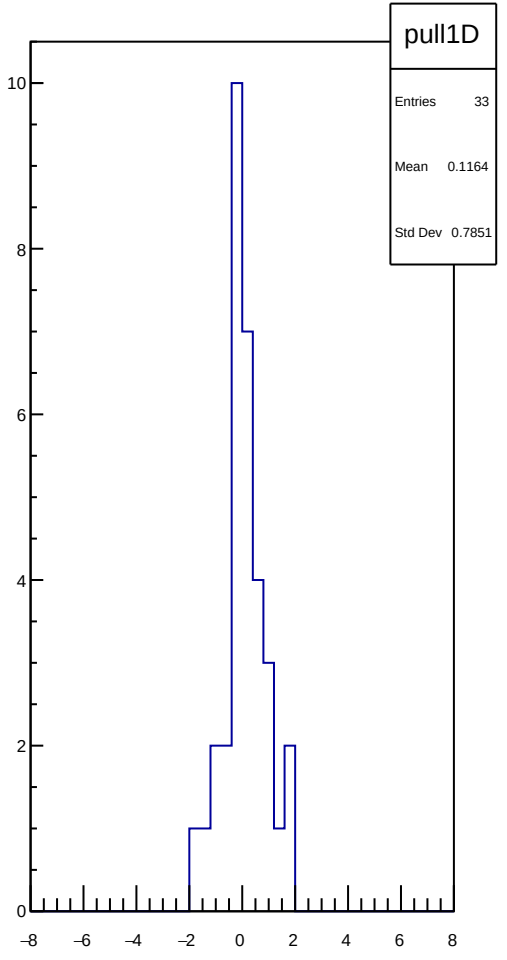

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 18.25 / 32
p0 −25.52 ± 2.157
pull
Entries 33
Mean 41.47
Std Dev 0

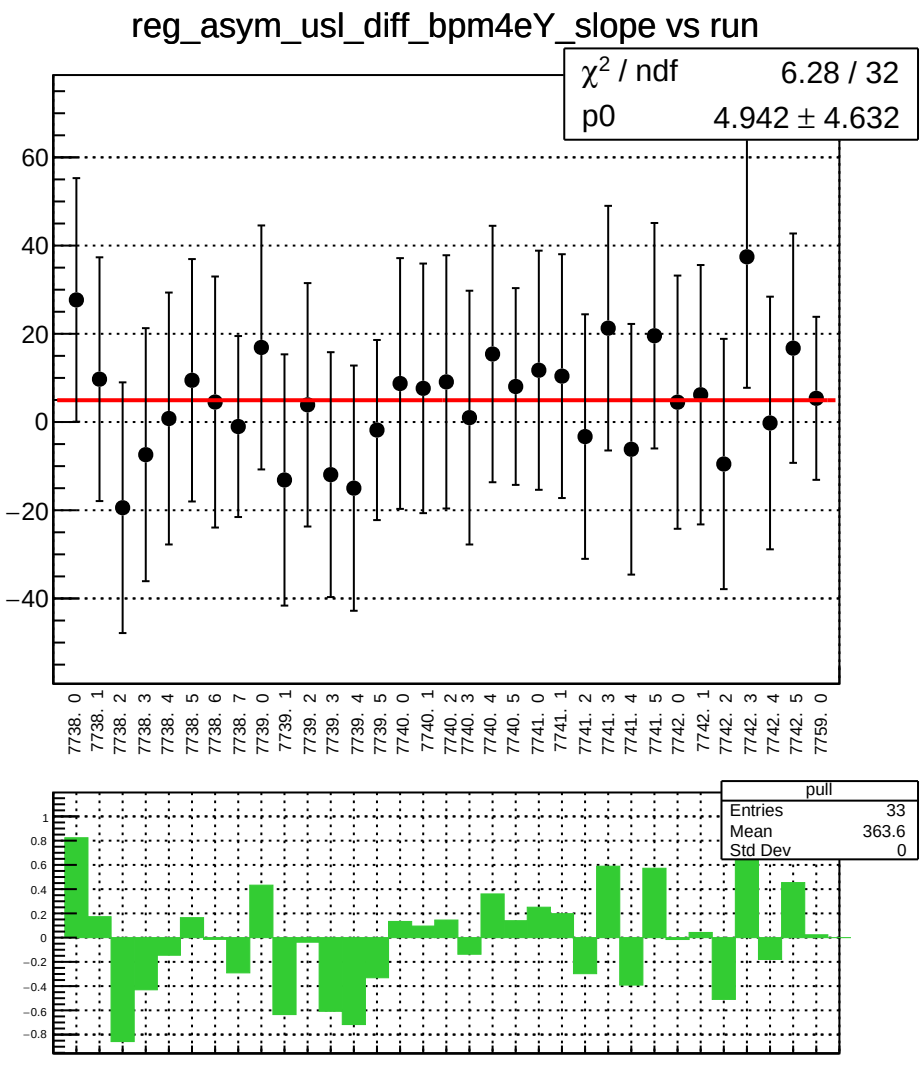

pull1D
Entries 33
Mean −0.09633
Std Dev 0.7373

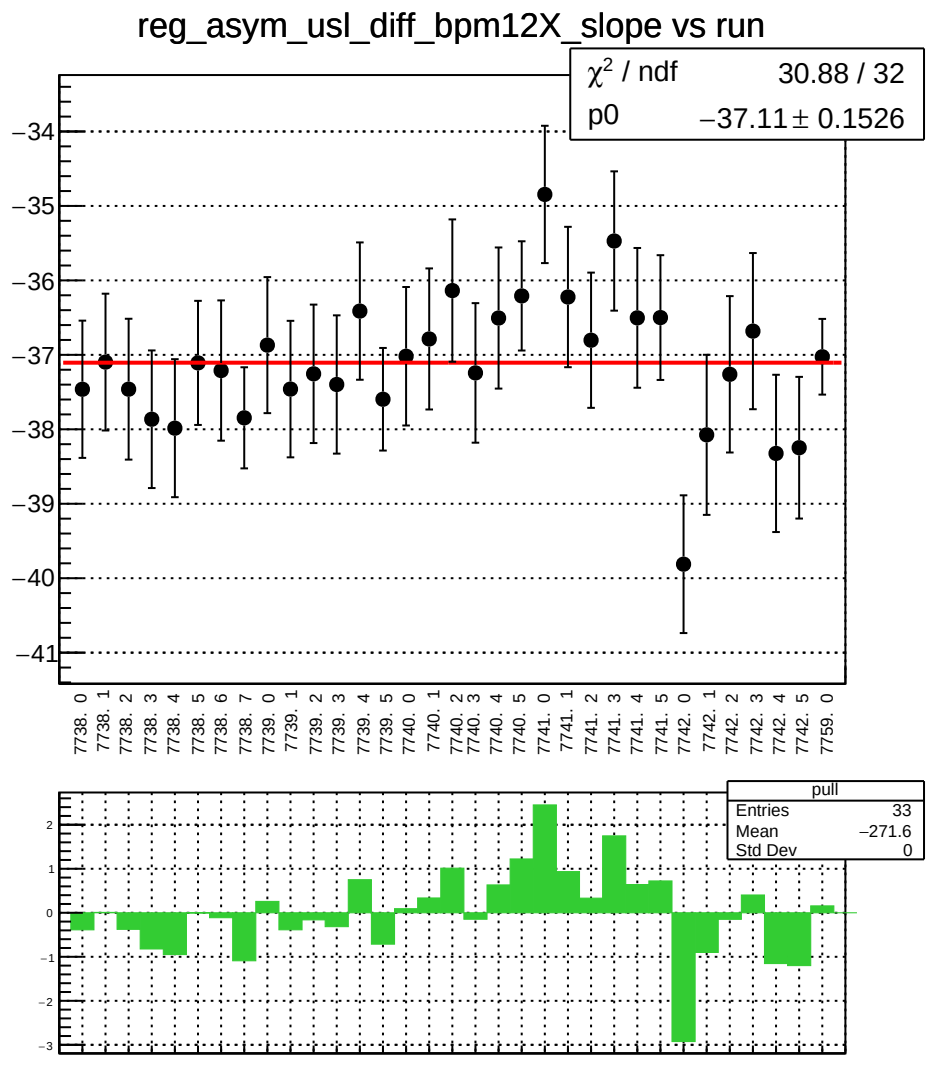

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 6.322 / 32
p0 8.343 ± 2.541
40
30
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 420.8
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

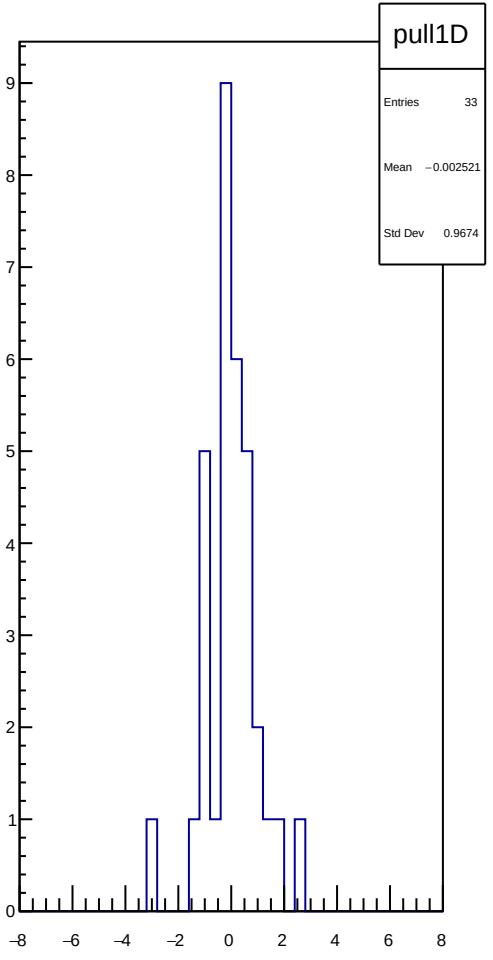

pull1D
Entries 33
Mean −0.002273
Std Dev 0.4377
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

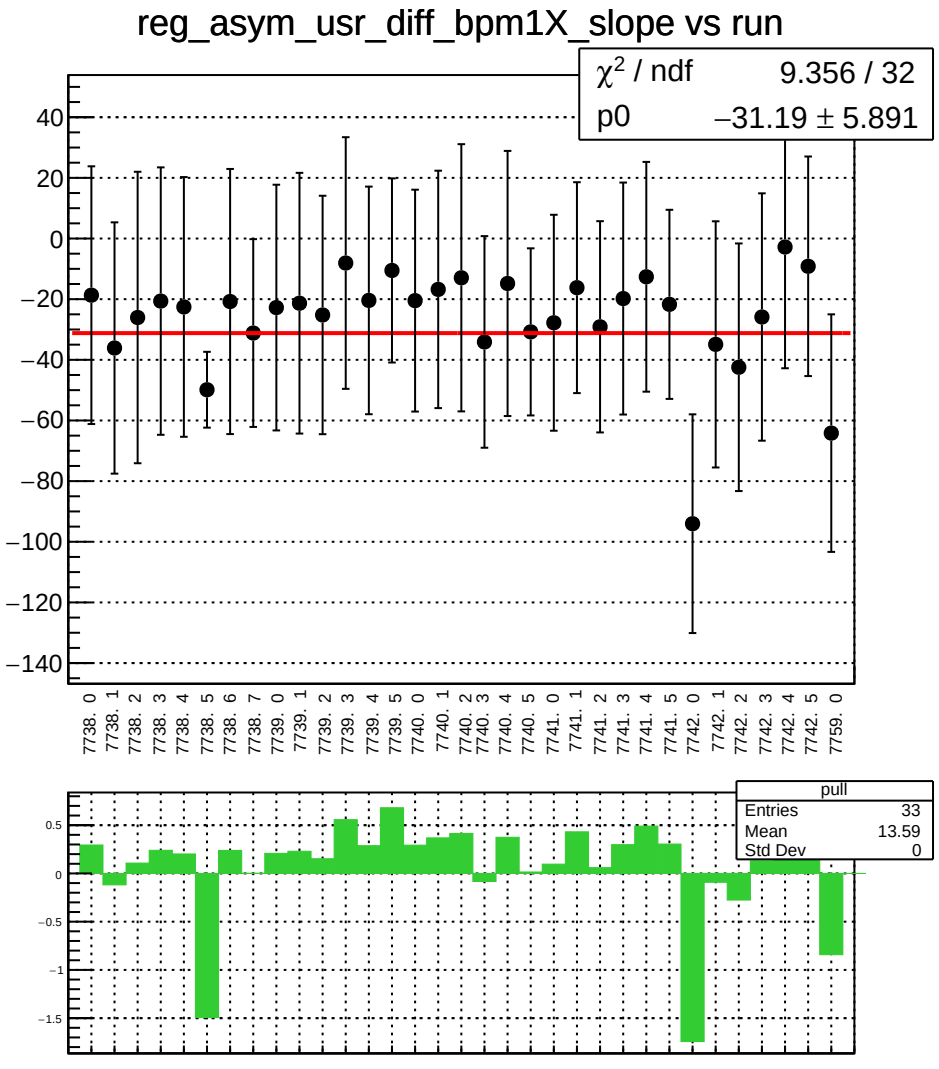

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 20.79 / 32
p0 −46.21± 2.13
0
−10
−20
−30
−40
−50
−60
−70
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 40.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

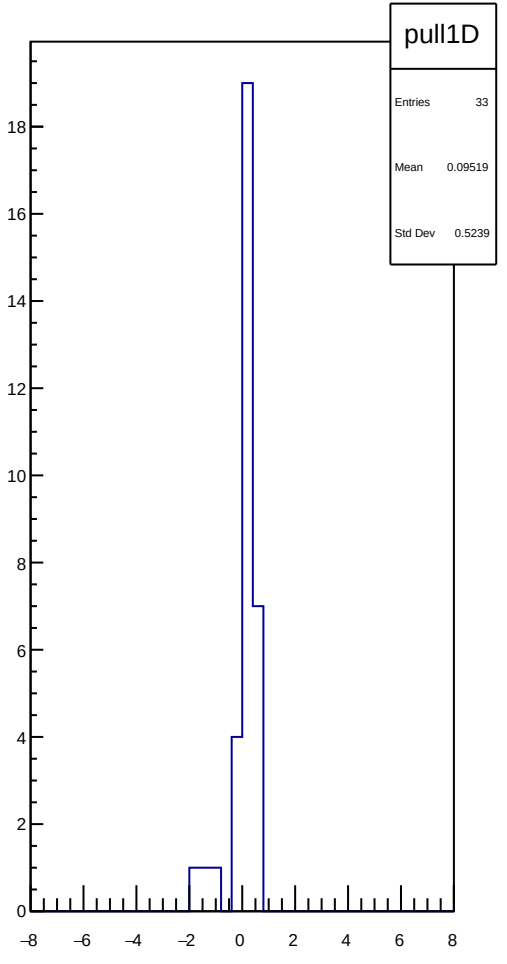

pull1D
Entries 33
Mean 0.1164
Std Dev 0.7851
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

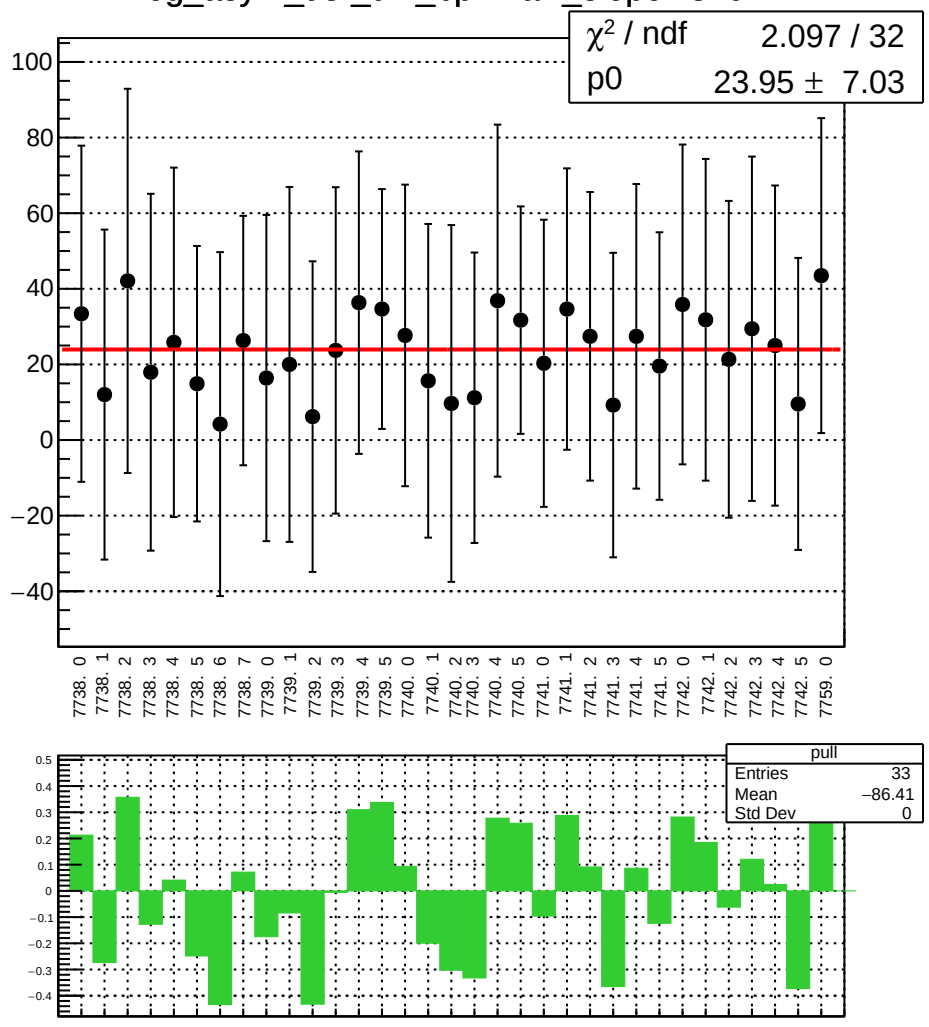

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 6.28 / 32
p0 4.942 ± 4.632
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 363.6
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.002855
Std Dev 0.4362
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

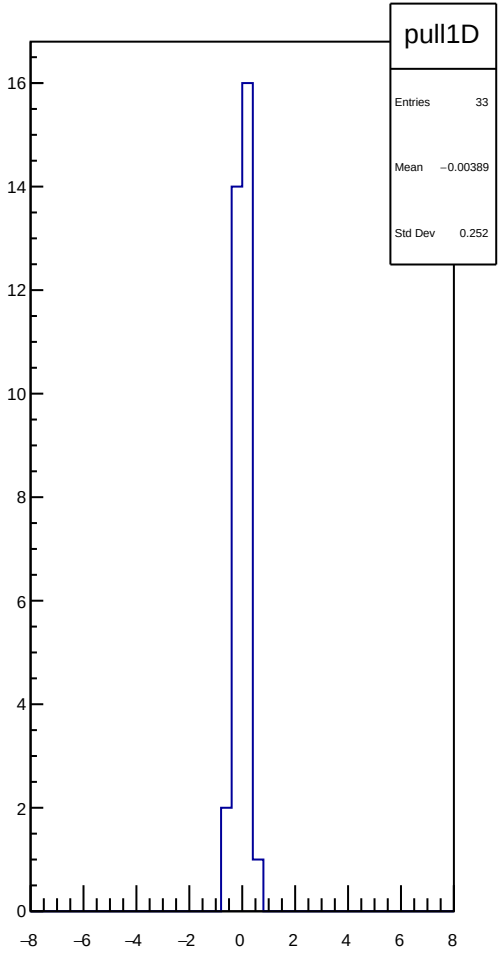

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 30.88 / 32
p0 −37.11 ± 0.1526
pull
Entries 33
Mean −271.6
Std Dev 0

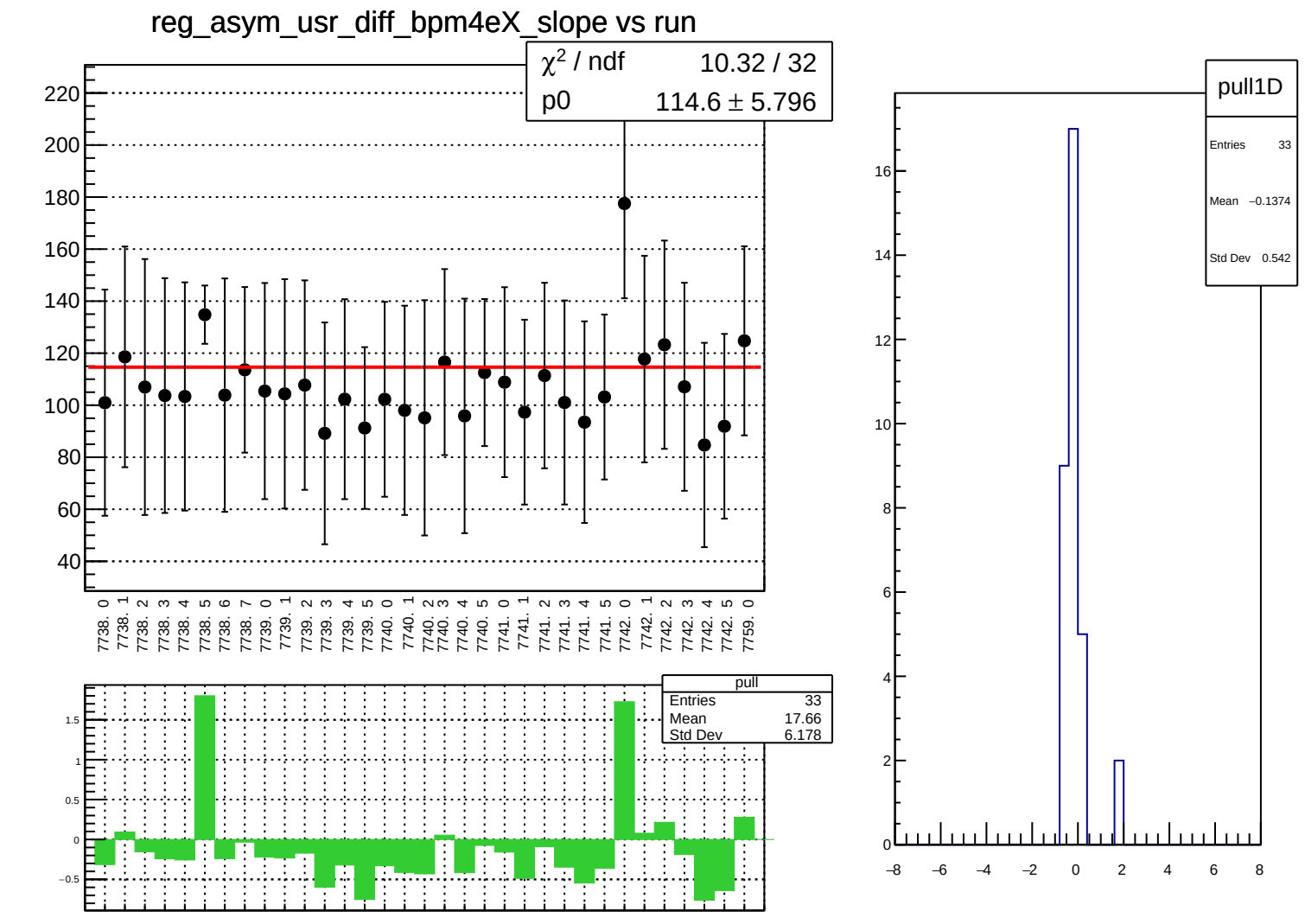

pull1D
Entries 33
Mean −0.002521
Std Dev 0.9674

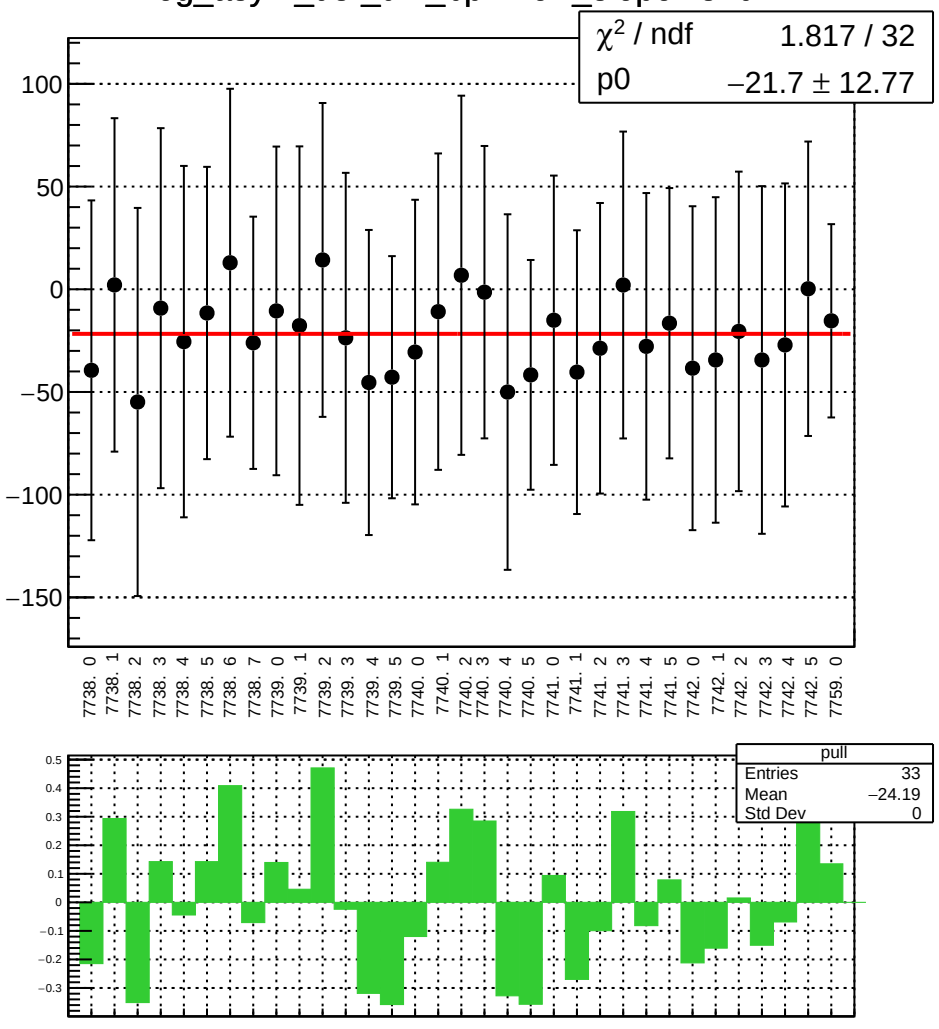

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 9.356 / 32
p0 −31.19 ± 5.891
40
20
0
−20
−40
−60
−80
−100
−120
−140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.59
Std Dev 0
0.5
0
−0.5
−1
−1.5

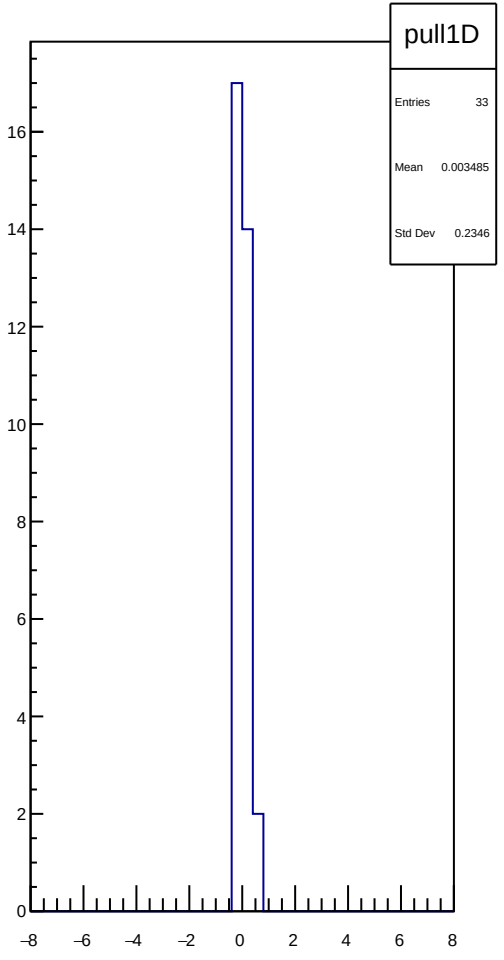

pull1D
Entries 33
Mean 0.09519
Std Dev 0.5239
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

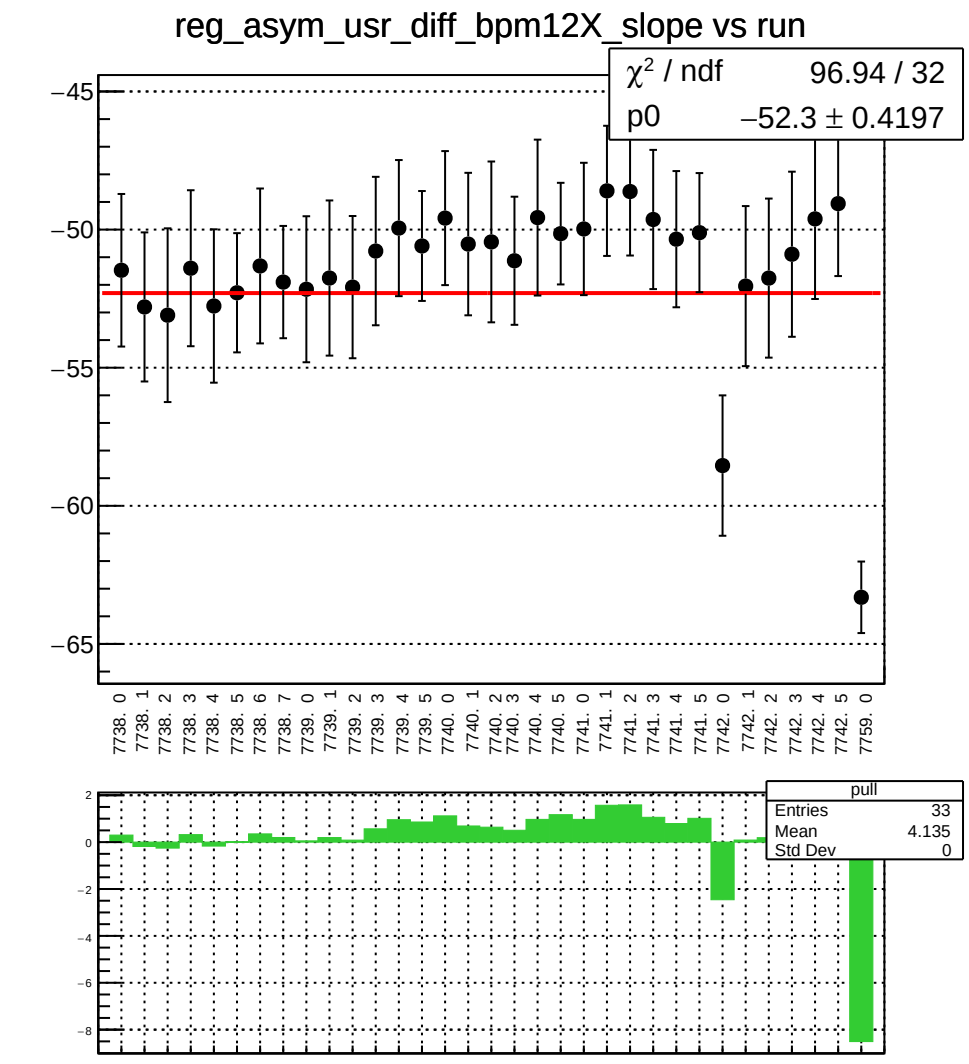

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 2.097 / 32
p0 23.95 ± 7.03
pull
Entries 33
Mean −86.41
Std Dev 0

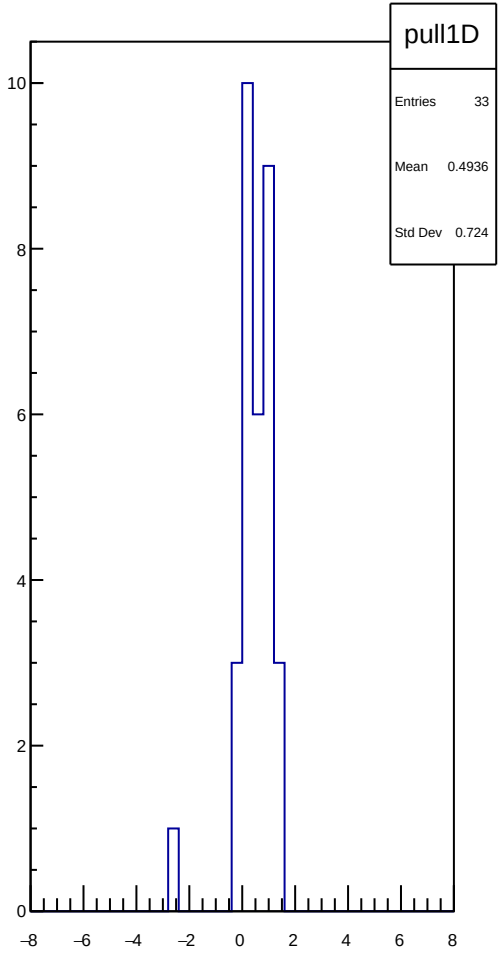

pull1D
Entries 33
Mean −0.00389
Std Dev 0.252

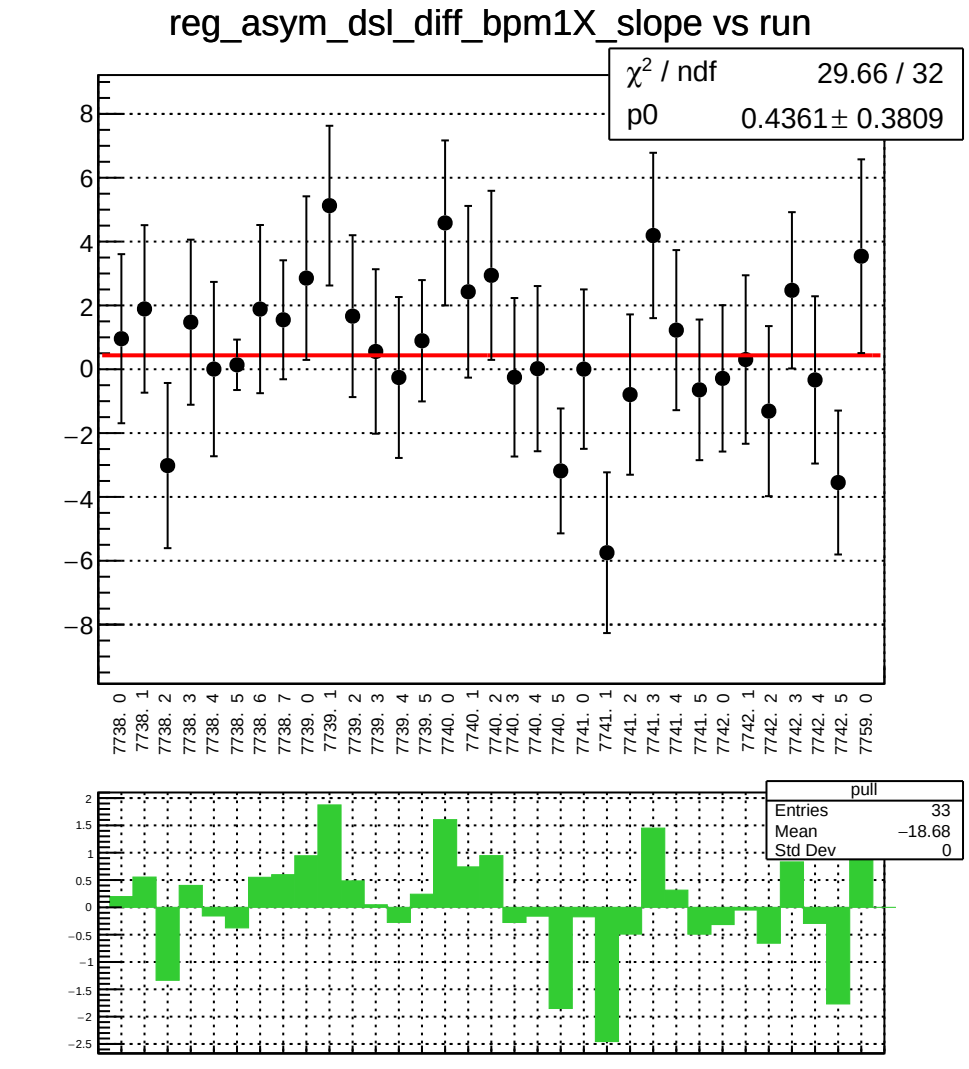

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 10.32 / 32
p0 114.6 ± 5.796
220
200
180
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.66
Std Dev 6.178
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.1374
Std Dev 0.542
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

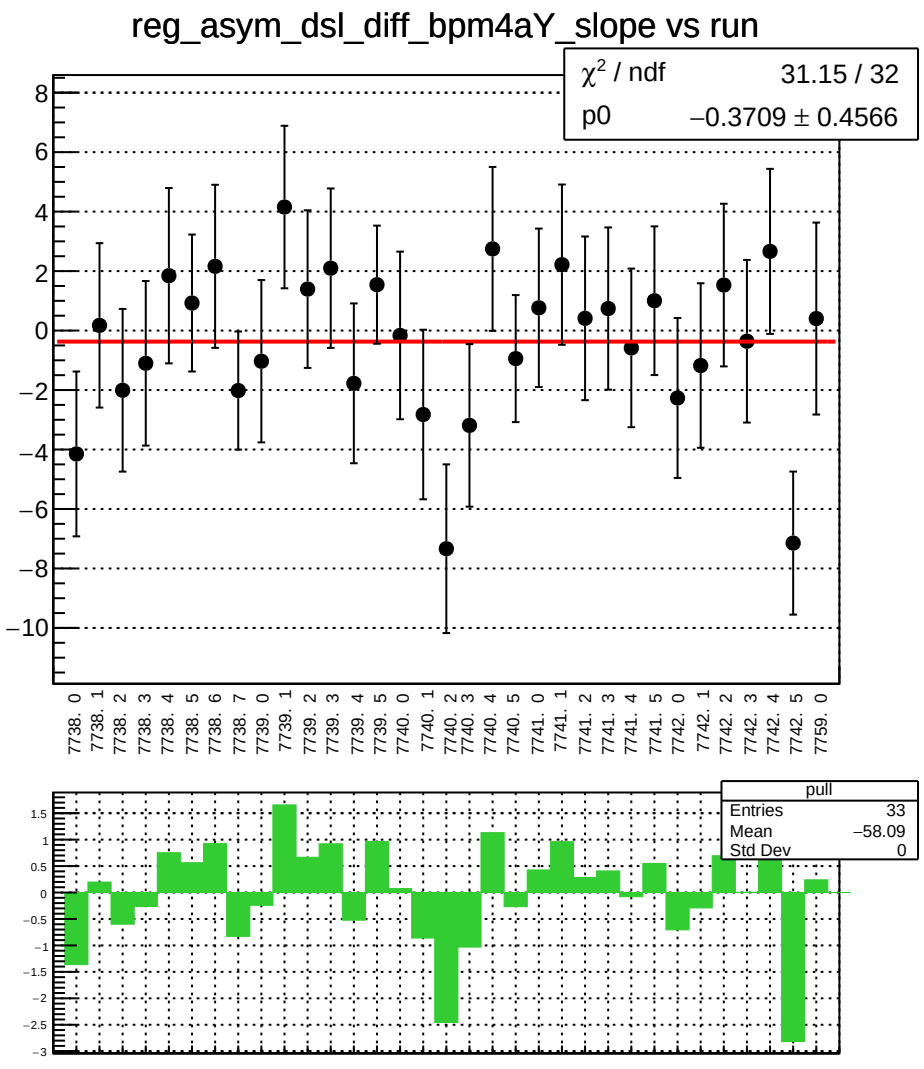

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 1.817 / 32
p0 −21.7 ± 12.77
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.19
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

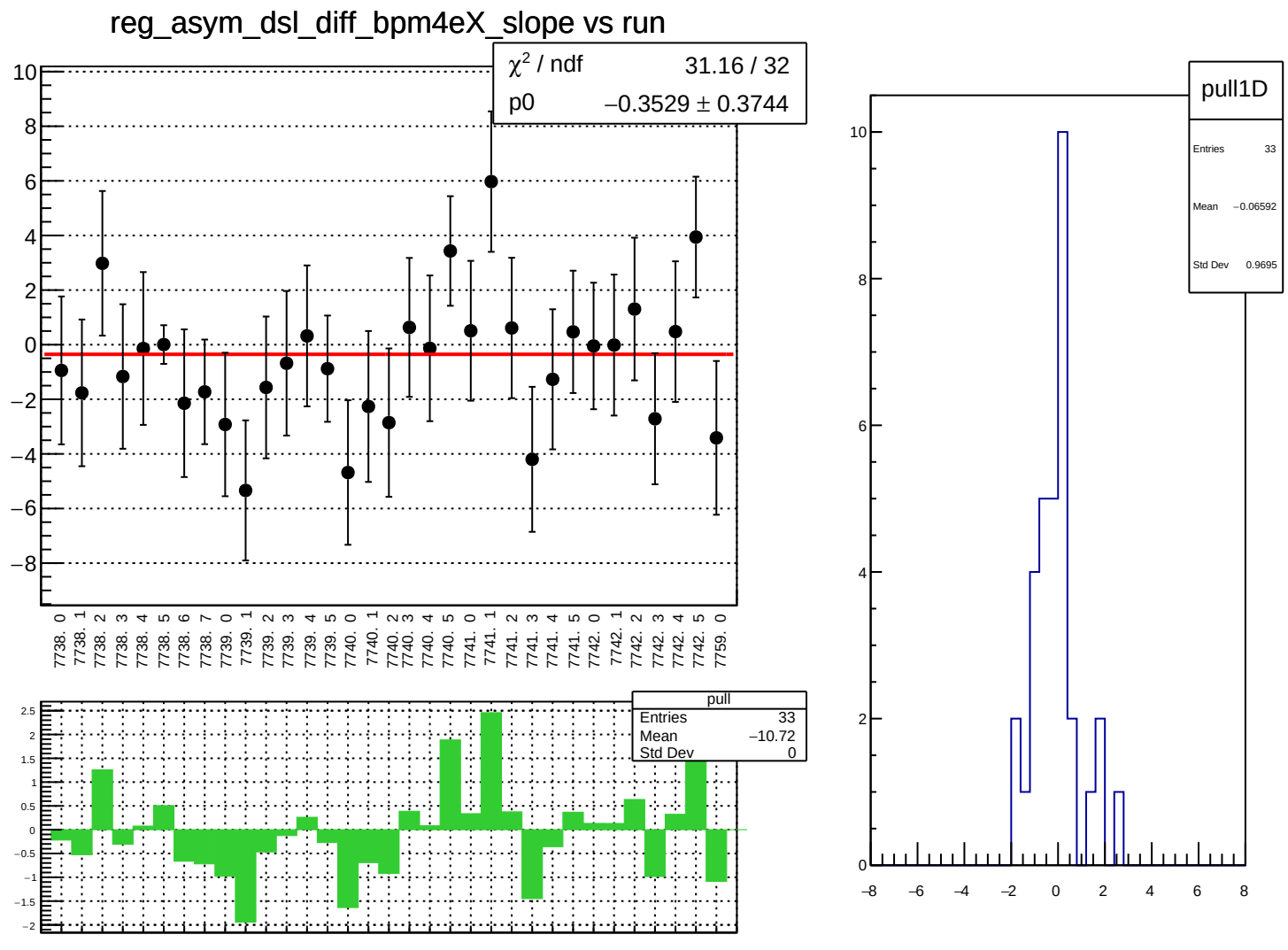

pull1D
Entries 33
Mean 0.003485
Std Dev 0.2346
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

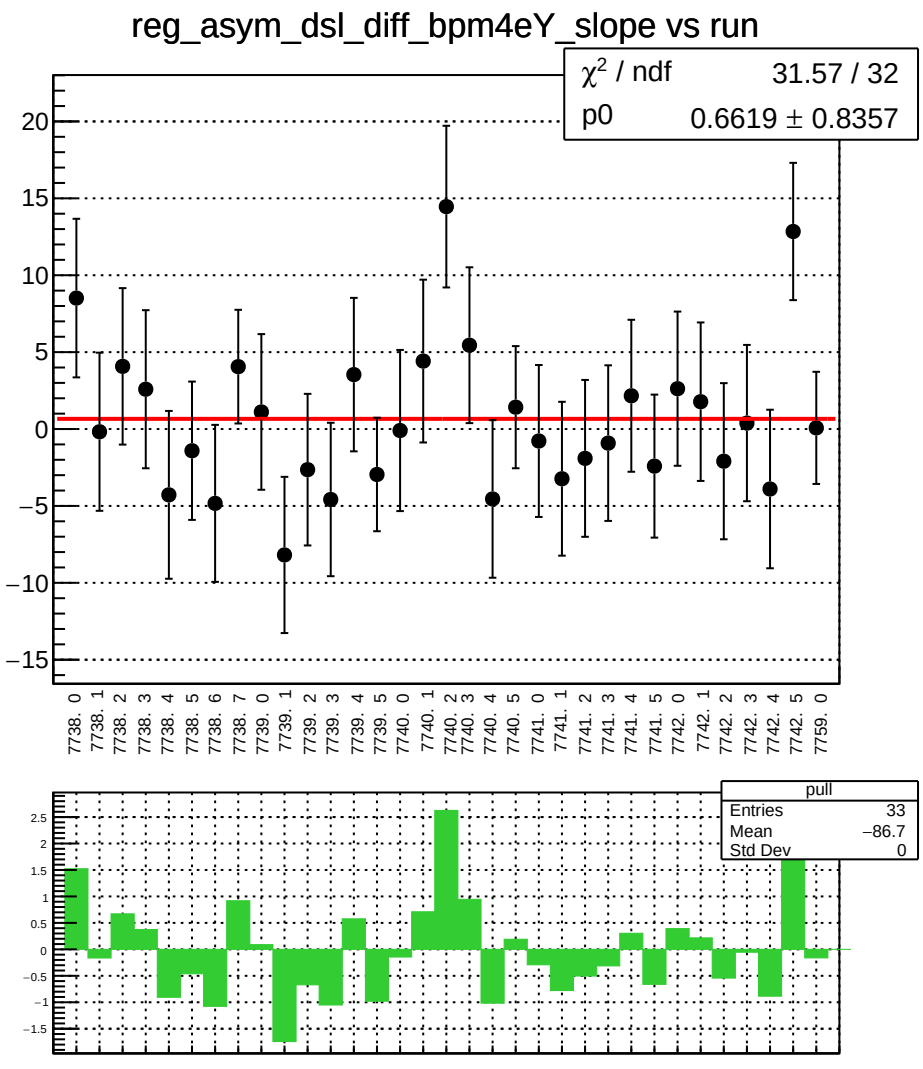

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 96.94 / 32
p0 −52.3 ± 0.4197
−45
−50
−55
−60
−65
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.135
Std Dev 0
2
0
−2
−4
−6
−8

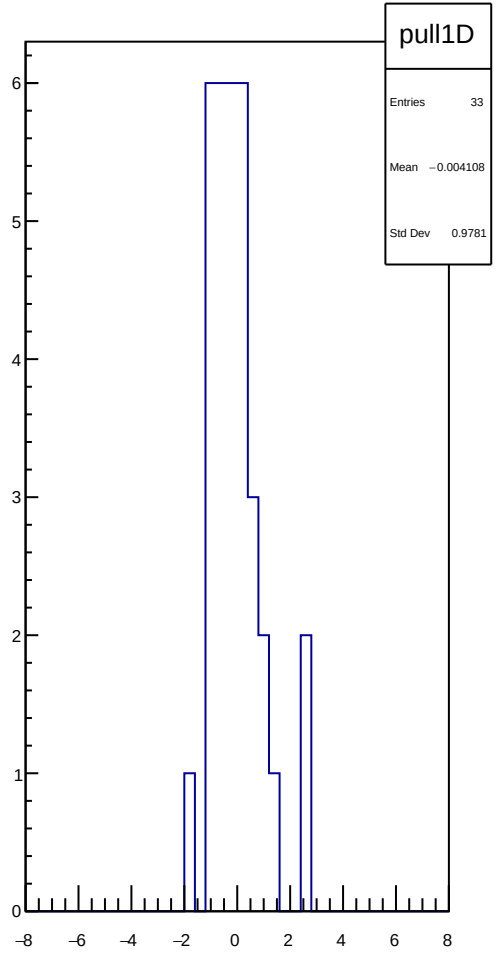

pull1D
Entries 33
Mean 0.4936
Std Dev 0.724
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

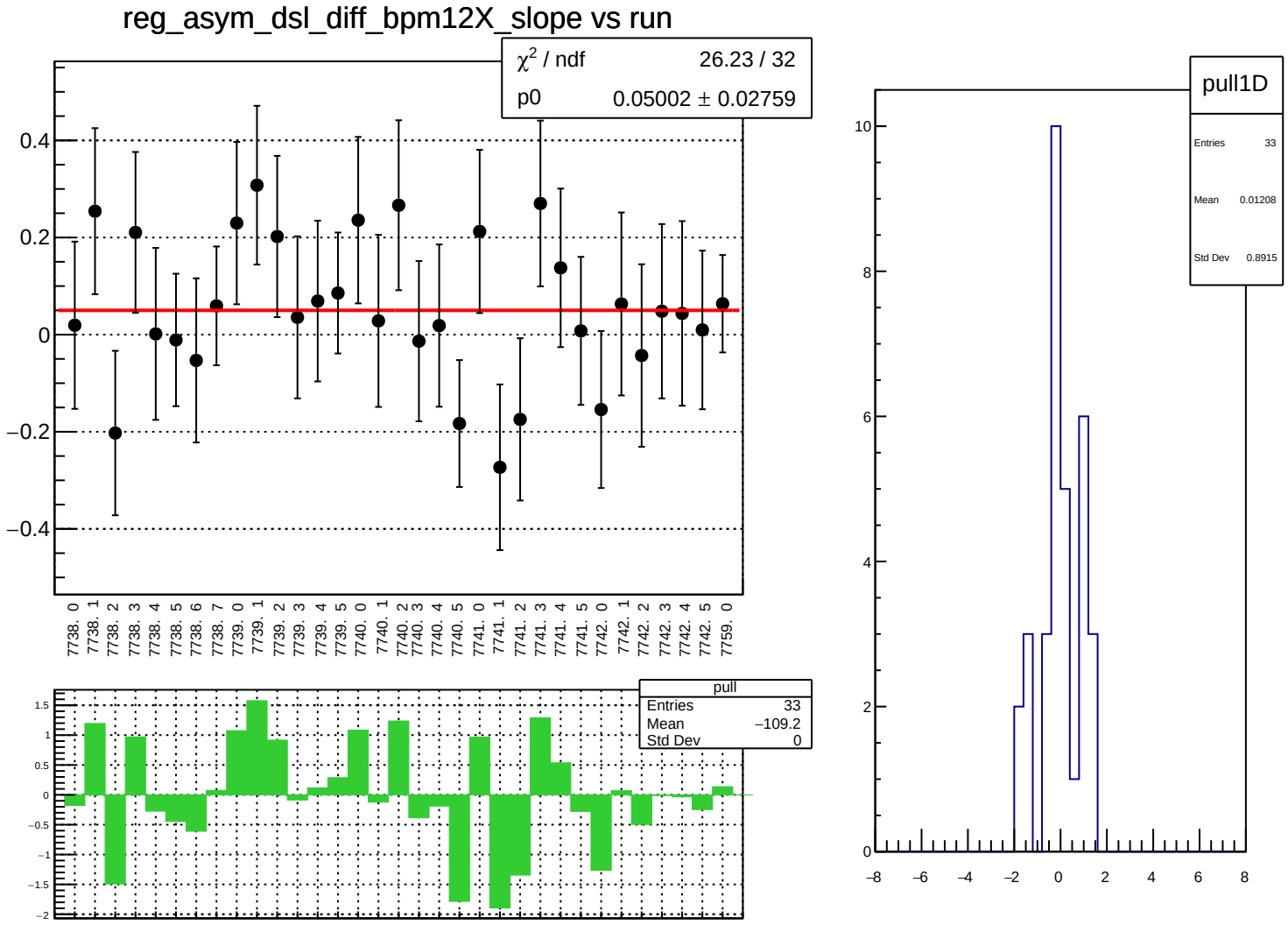

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 29.66 / 32
p0 0.4361± 0.3809
pull
Entries 33
Mean −18.68
Std Dev 0
pull1D
Entries 33
Mean 0.05085
Std Dev 0.9467

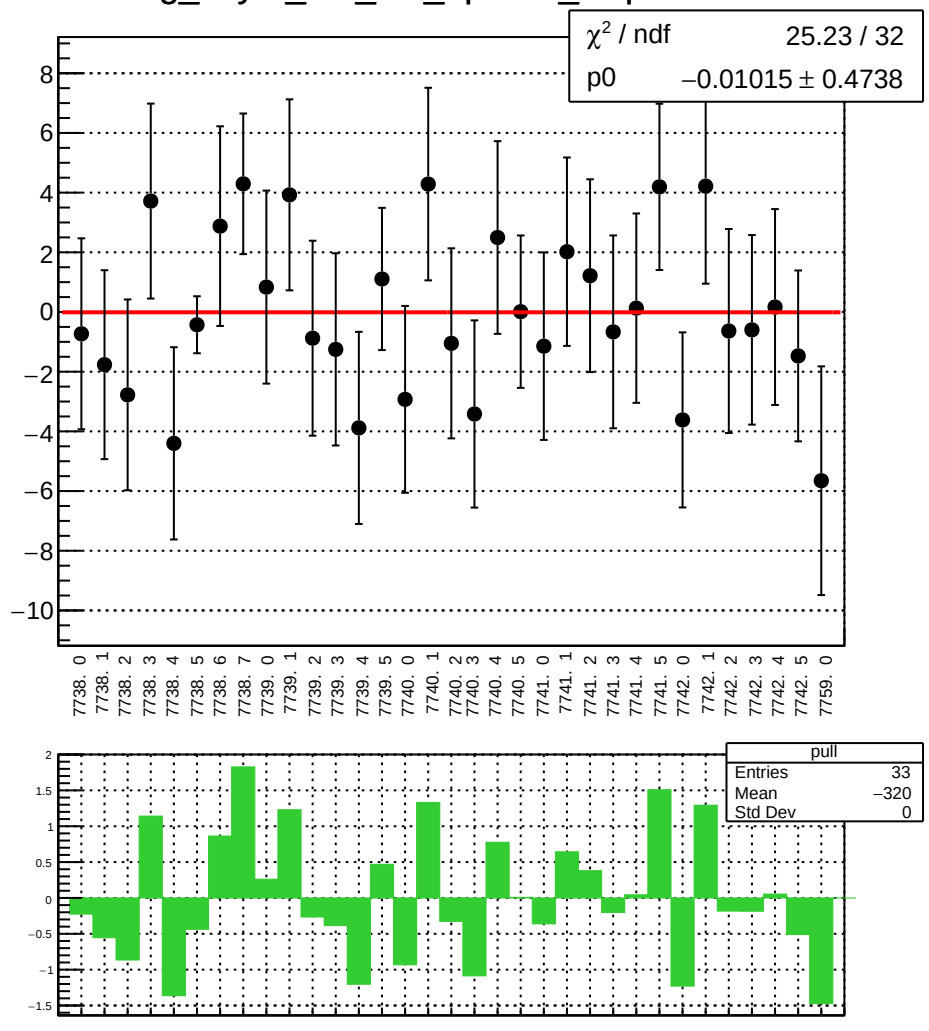

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 31.15 / 32
p0 −0.3709 ± 0.4566
pull
Entries 33
Mean −58.09
Std Dev 0
pull1D
Entries 33
Mean 0.005622
Std Dev 0.9715

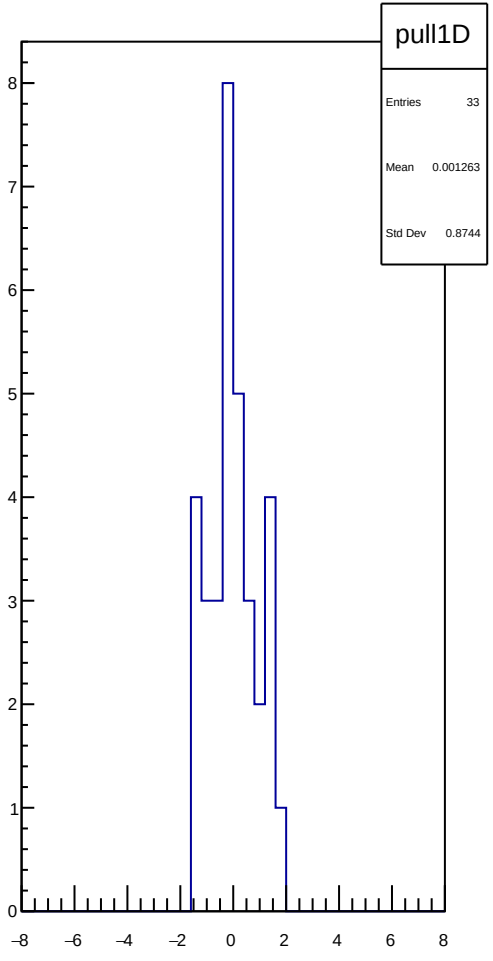

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 31.16 / 32
p0 −0.3529 ± 0.3744
pull
Entries 33
Mean −10.72
Std Dev 0
pull1D
Entries 33
Mean −0.06592
Std Dev 0.9695

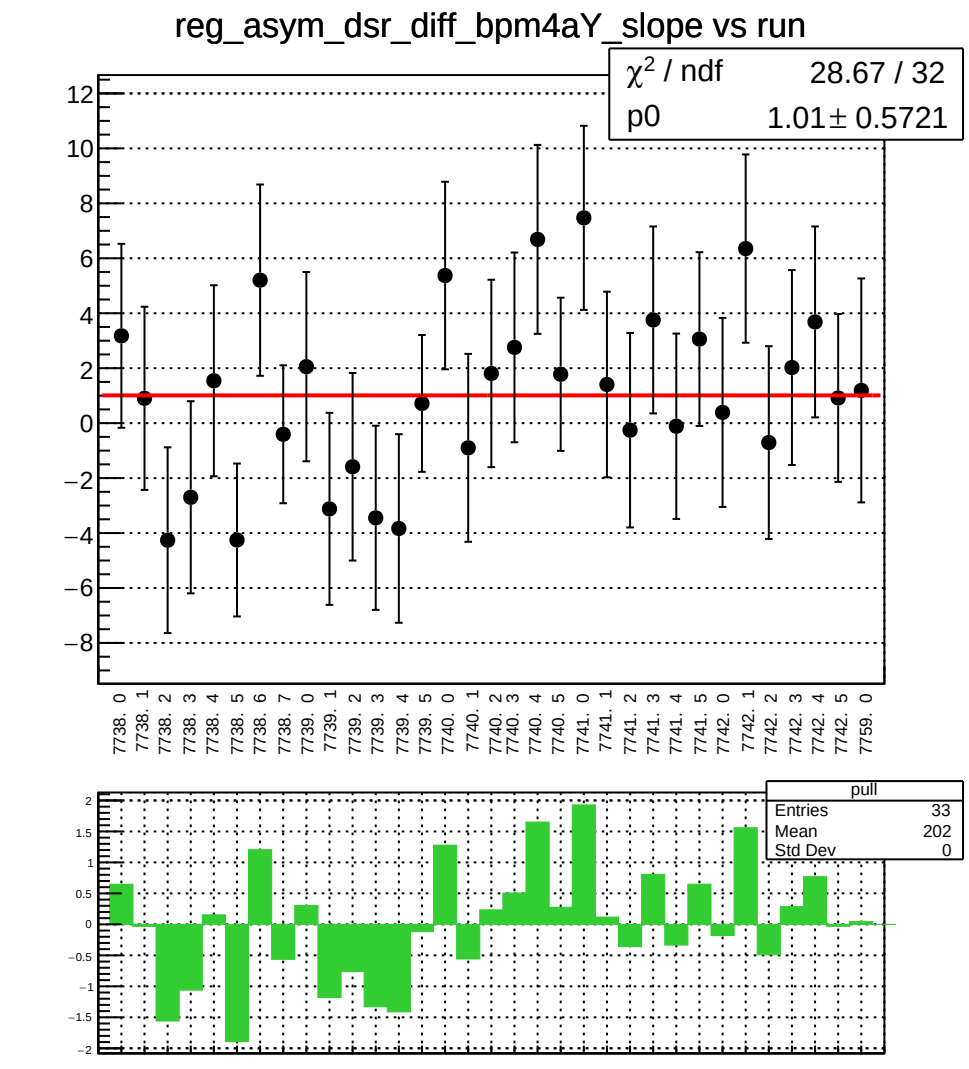

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 31.57 / 32
p0 0.6619 ± 0.8357
20
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −86.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

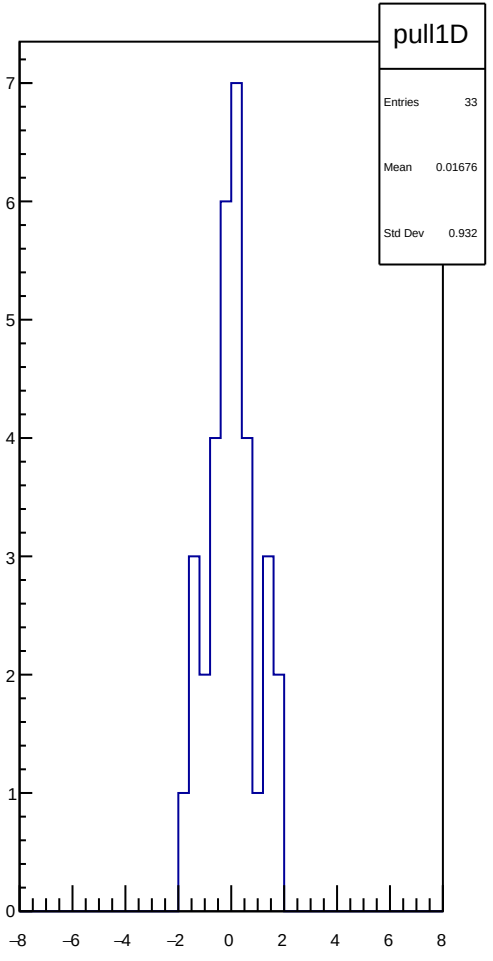

pull1D
Entries 33
Mean −0.004108
Std Dev 0.9781
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

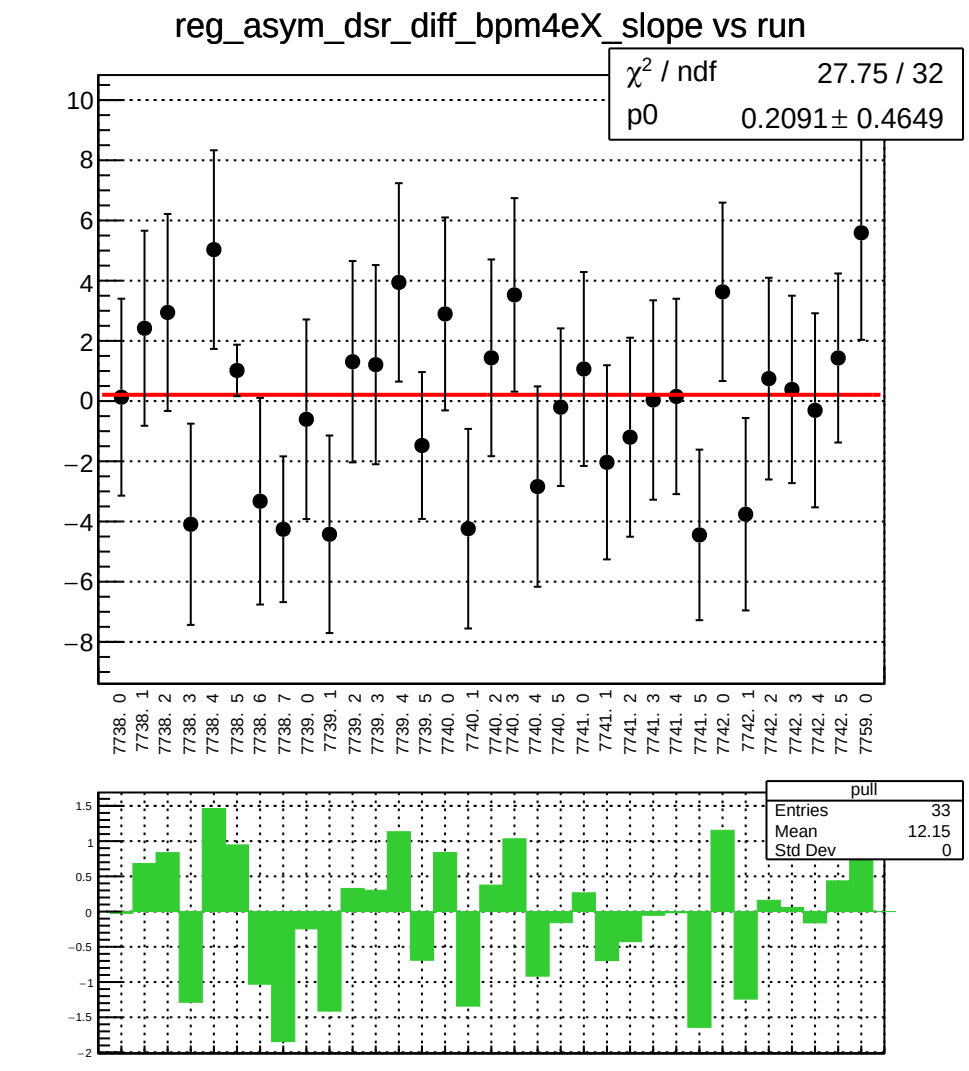

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 26.23 / 32
p0 0.05002 ± 0.02759
0.4
0.2
0
−0.2
−0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −109.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01208
Std Dev 0.8915
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

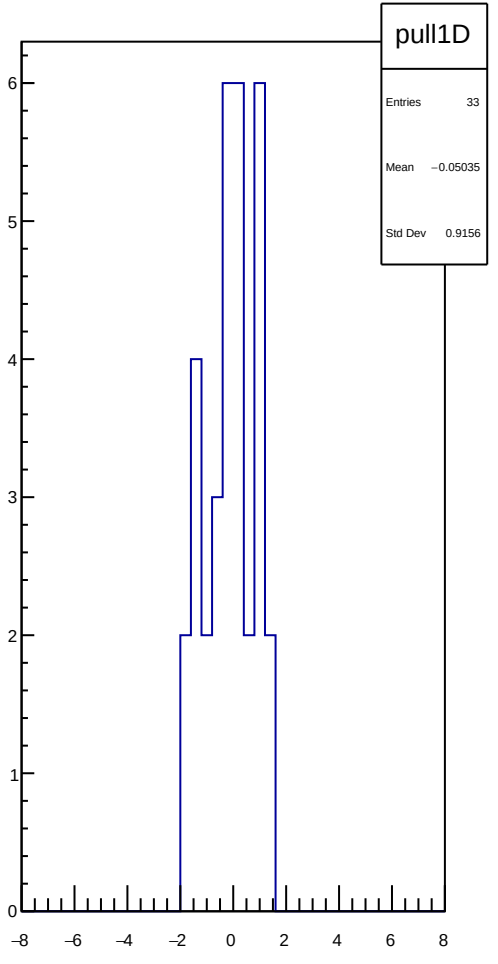

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 25.23 / 32
p0 −0.01015 ± 0.4738
pull
Entries 33
Mean −320
Std Dev 0

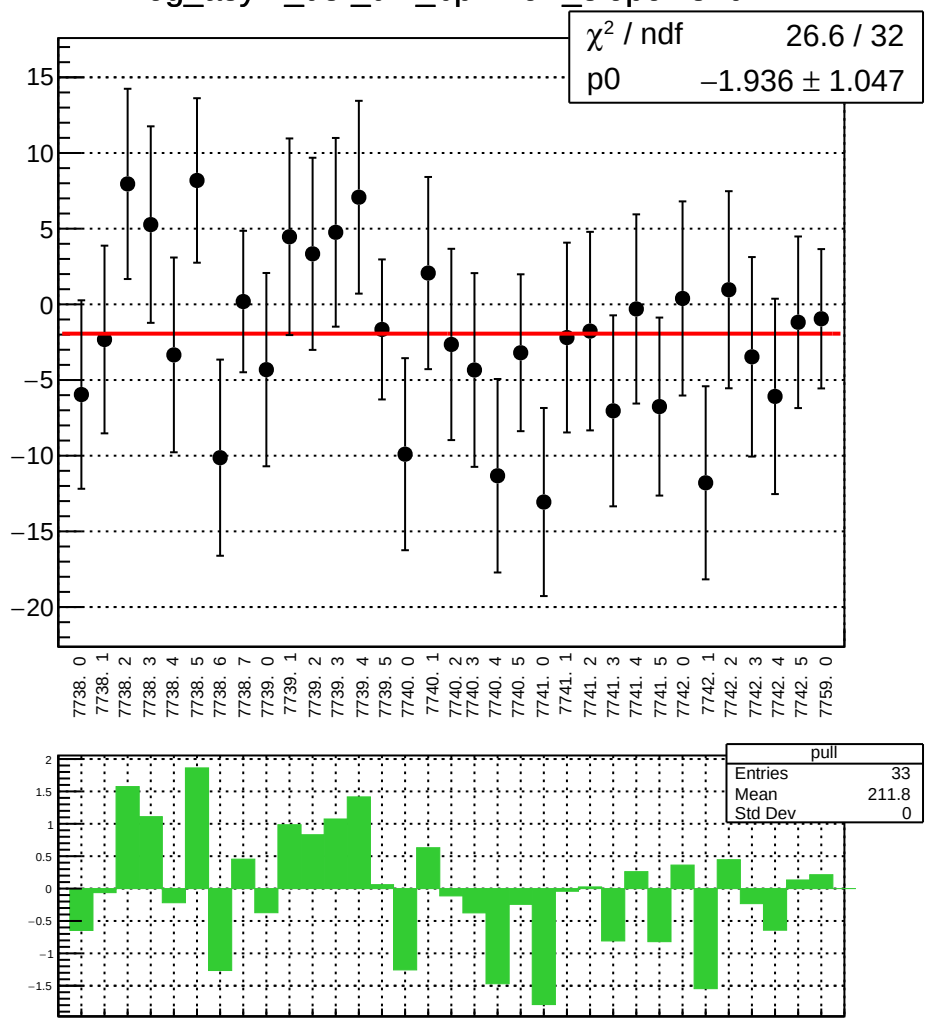

pull1D
Entries 33
Mean 0.001263
Std Dev 0.8744

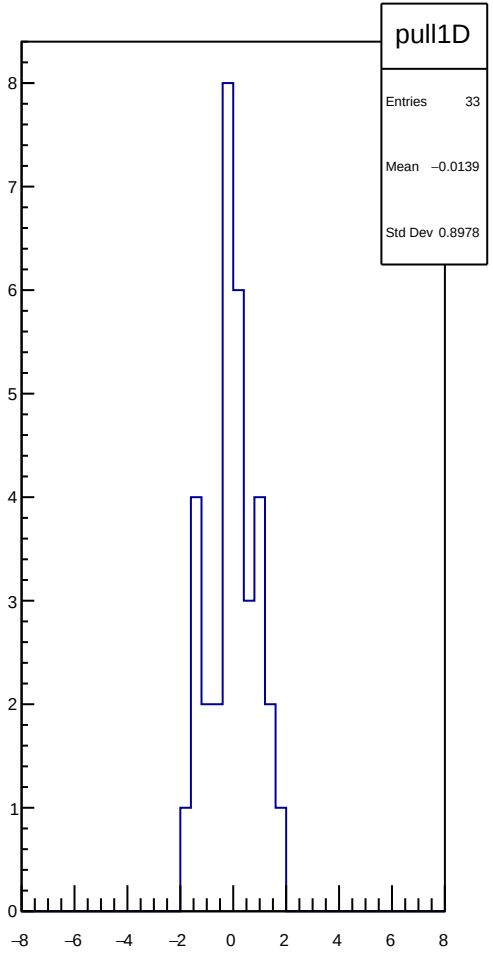

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 28.67 / 32
p0 1.01 ± 0.5721
pull
Entries 33
Mean 202
Std Dev 0

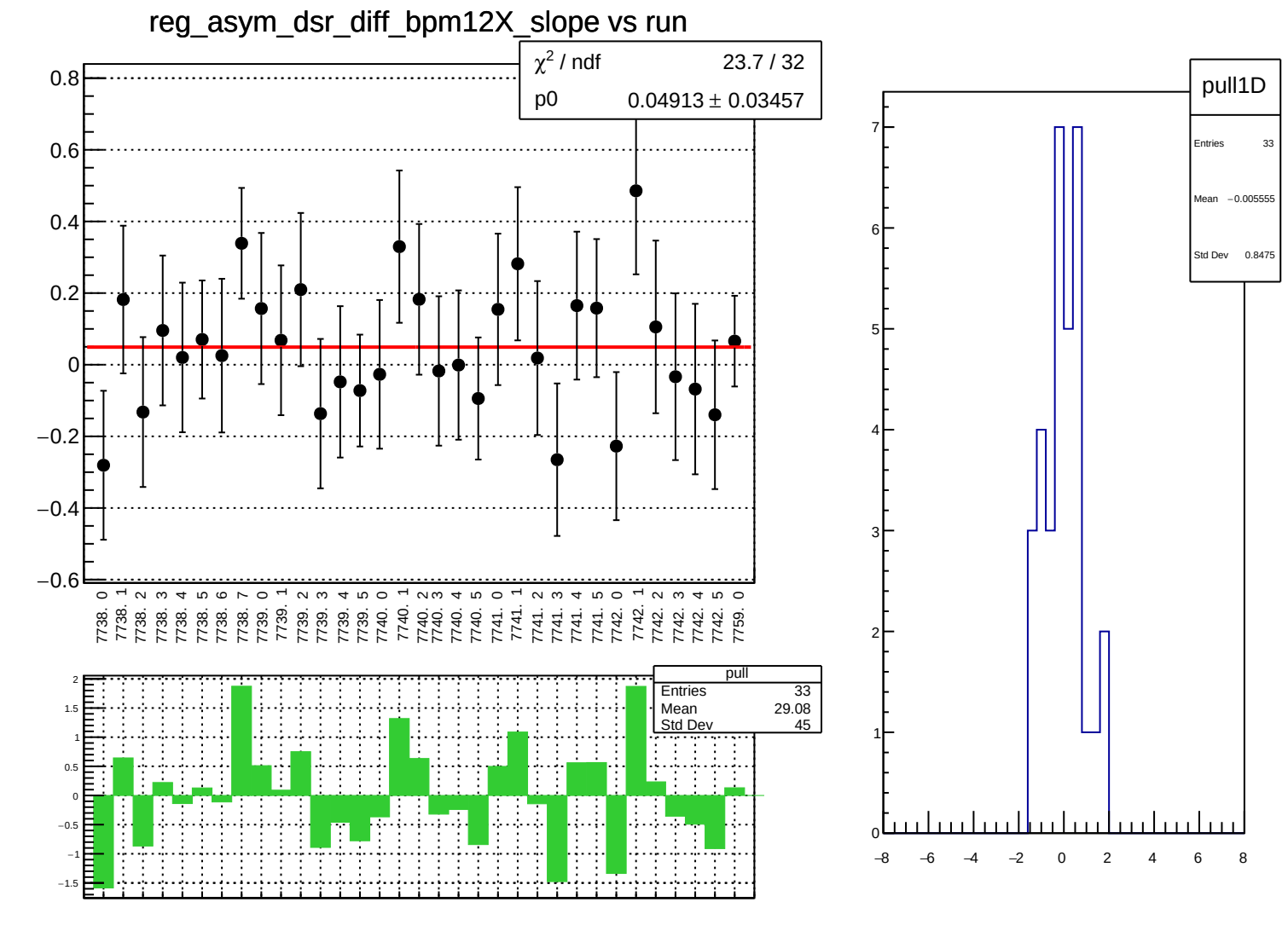

pull1D
Entries 33
Mean 0.01676
Std Dev 0.932

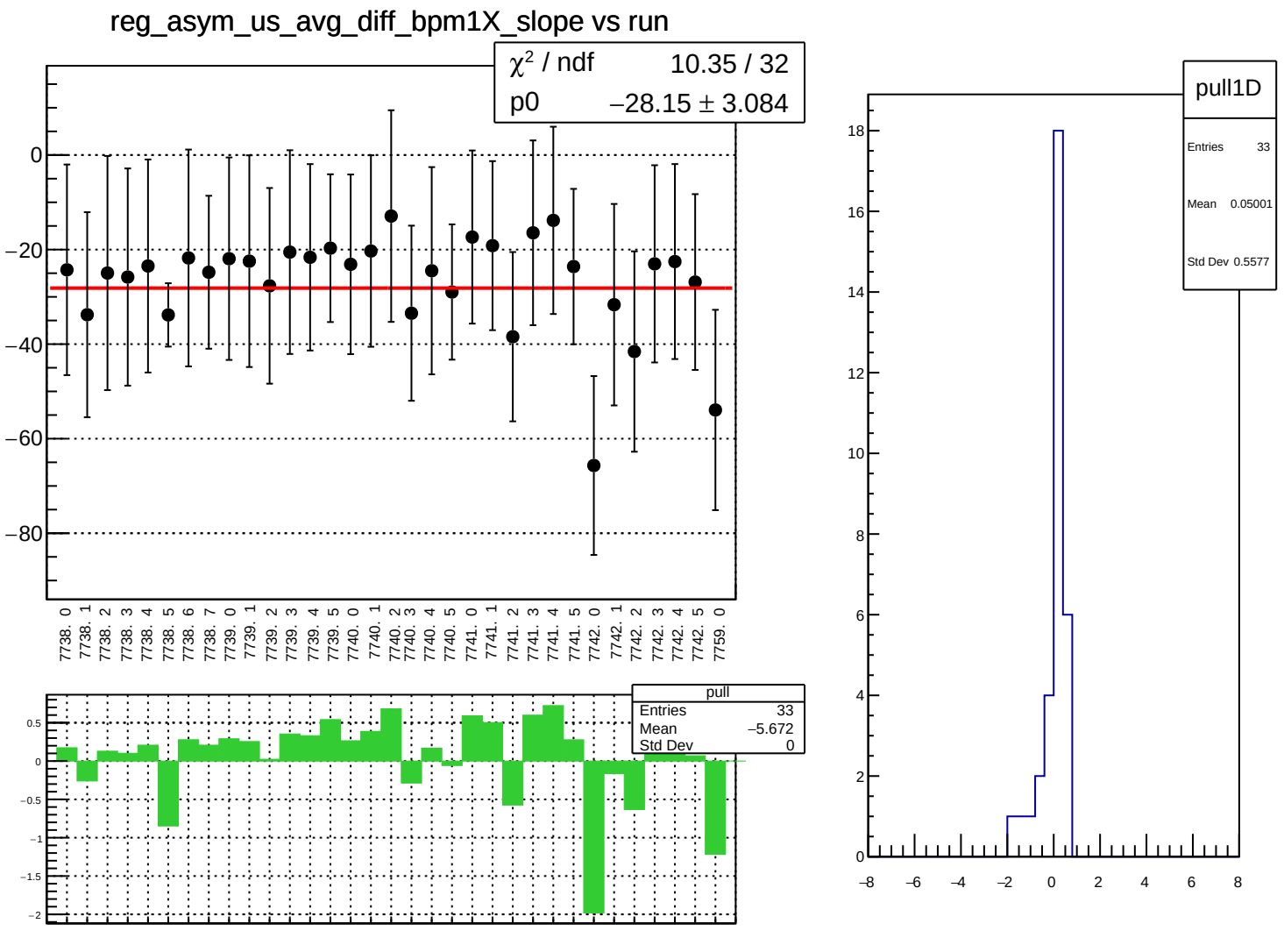

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 27.75 / 32
p0 0.2091 ± 0.4649
10
8
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

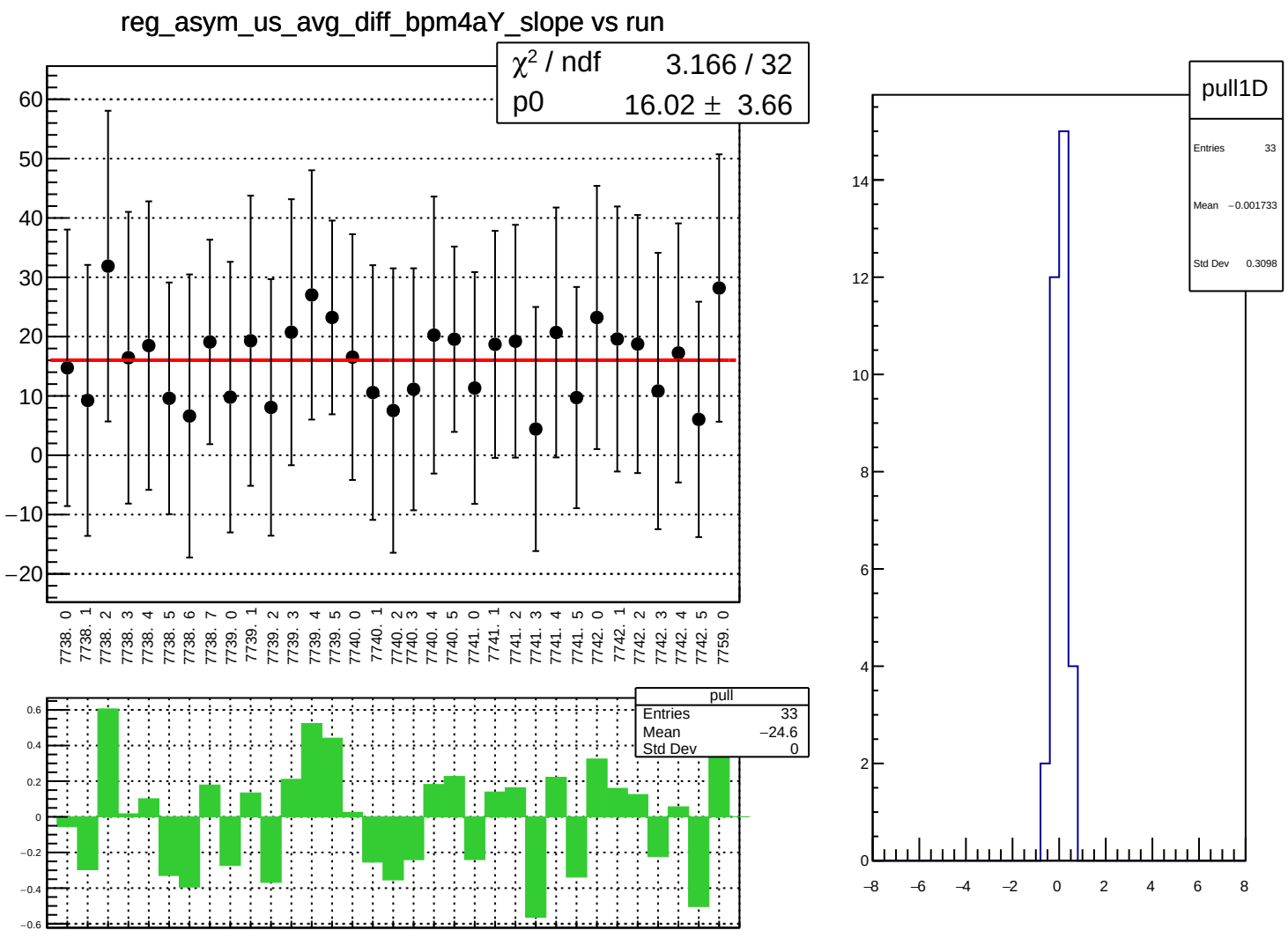

pull1D
Entries 33
Mean −0.05035
Std Dev 0.9156
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

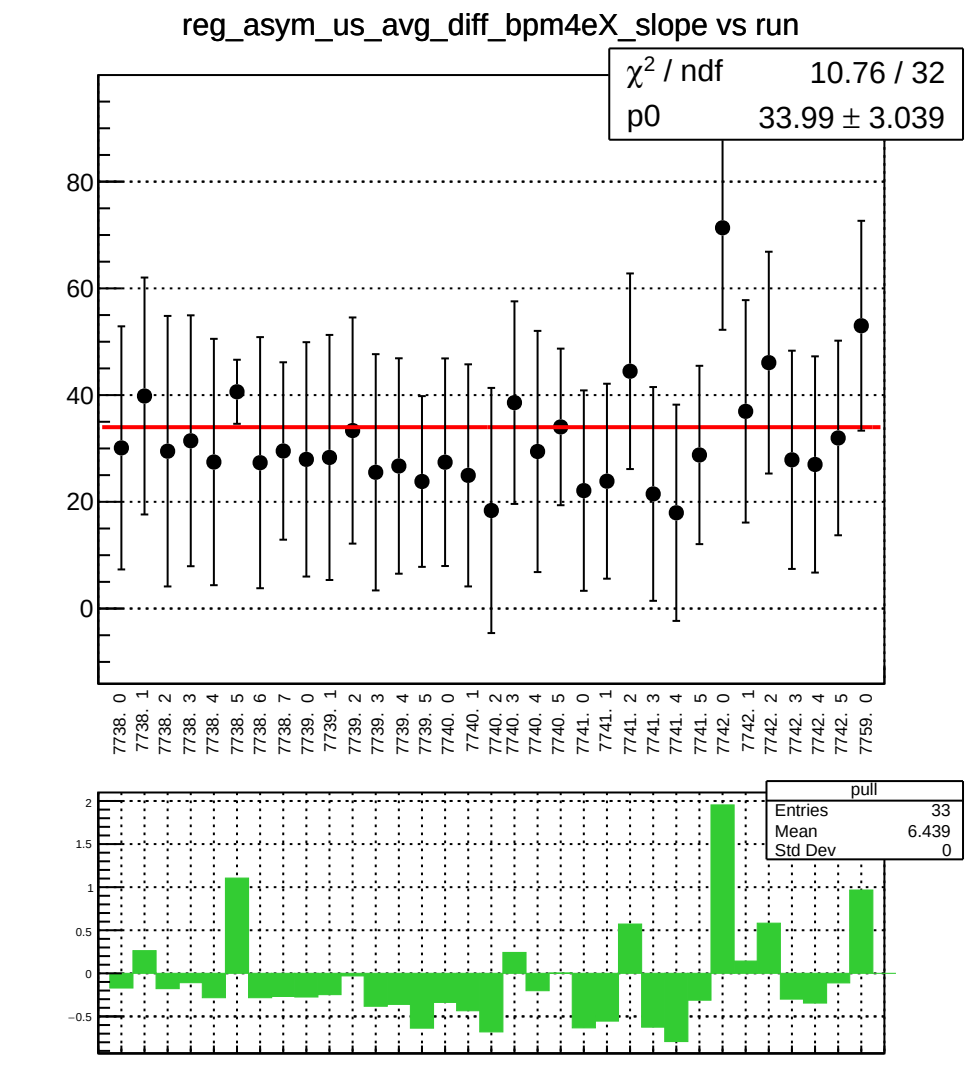

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 26.6 / 32
p0 −1.936 ± 1.047
15
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 211.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

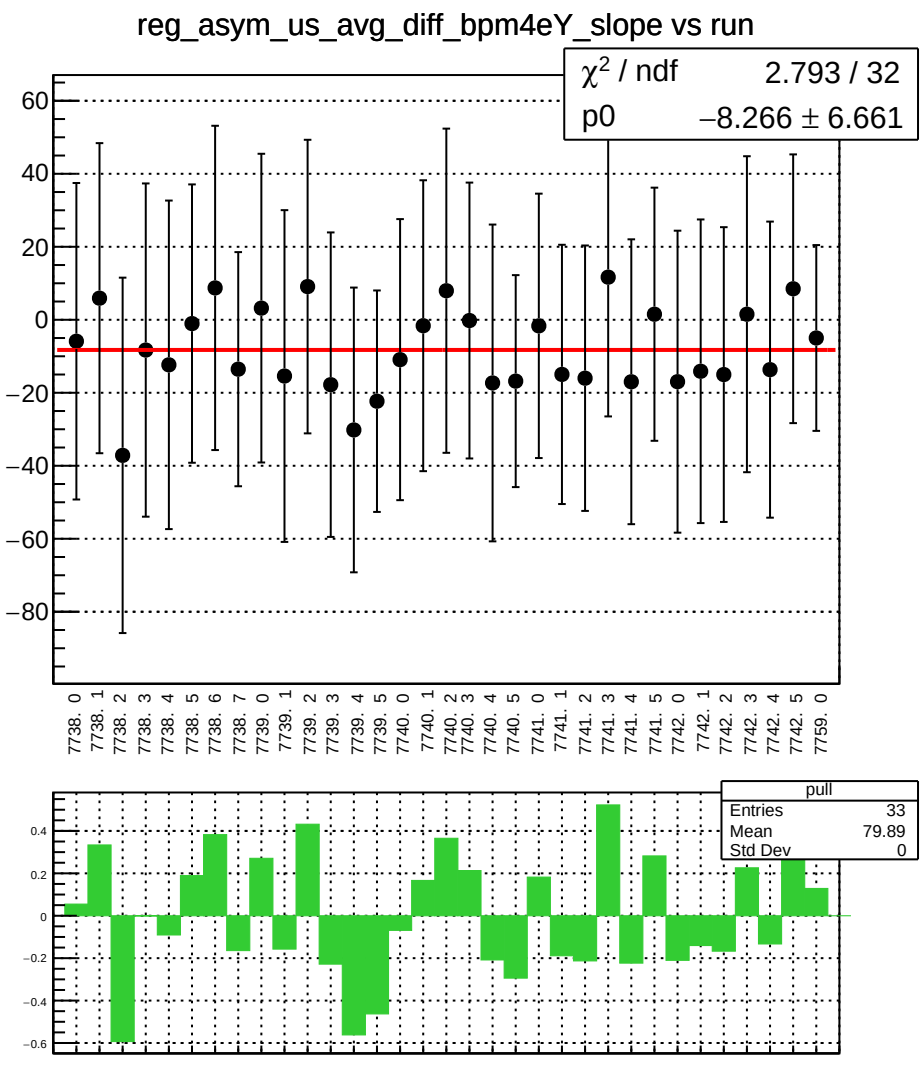

pull1D
Entries 33
Mean −0.0139
Std Dev 0.8978
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

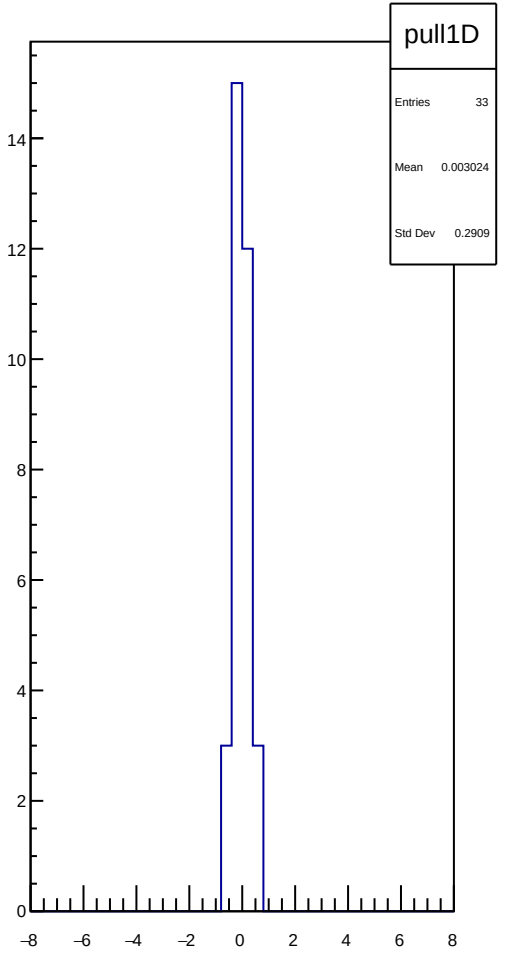

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 23.7 / 32
p0 0.04913 ± 0.03457
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.08
Std Dev 45
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.005555
Std Dev 0.8475
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

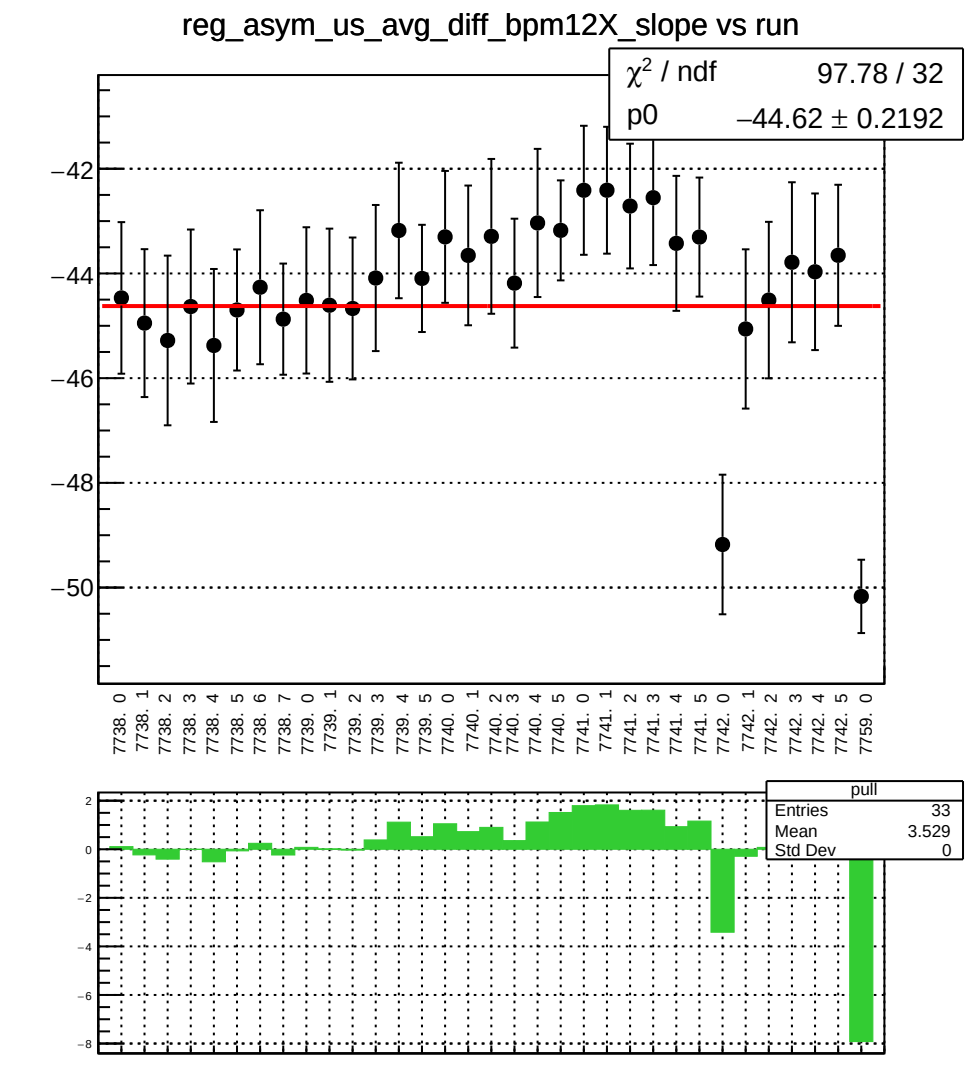

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 10.35 / 32
p0 −28.15 ± 3.084
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −5.672
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.05001
Std Dev 0.5577
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

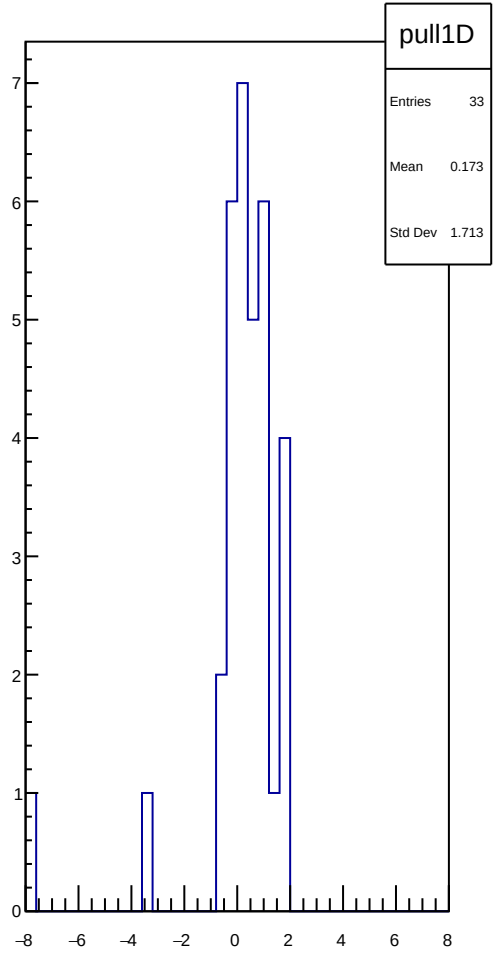

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.166 / 32
p0 16.02 ± 3.66
pull
Entries 33
Mean −24.6
Std Dev 0
pull1D
Entries 33
Mean −0.001733
Std Dev 0.3098

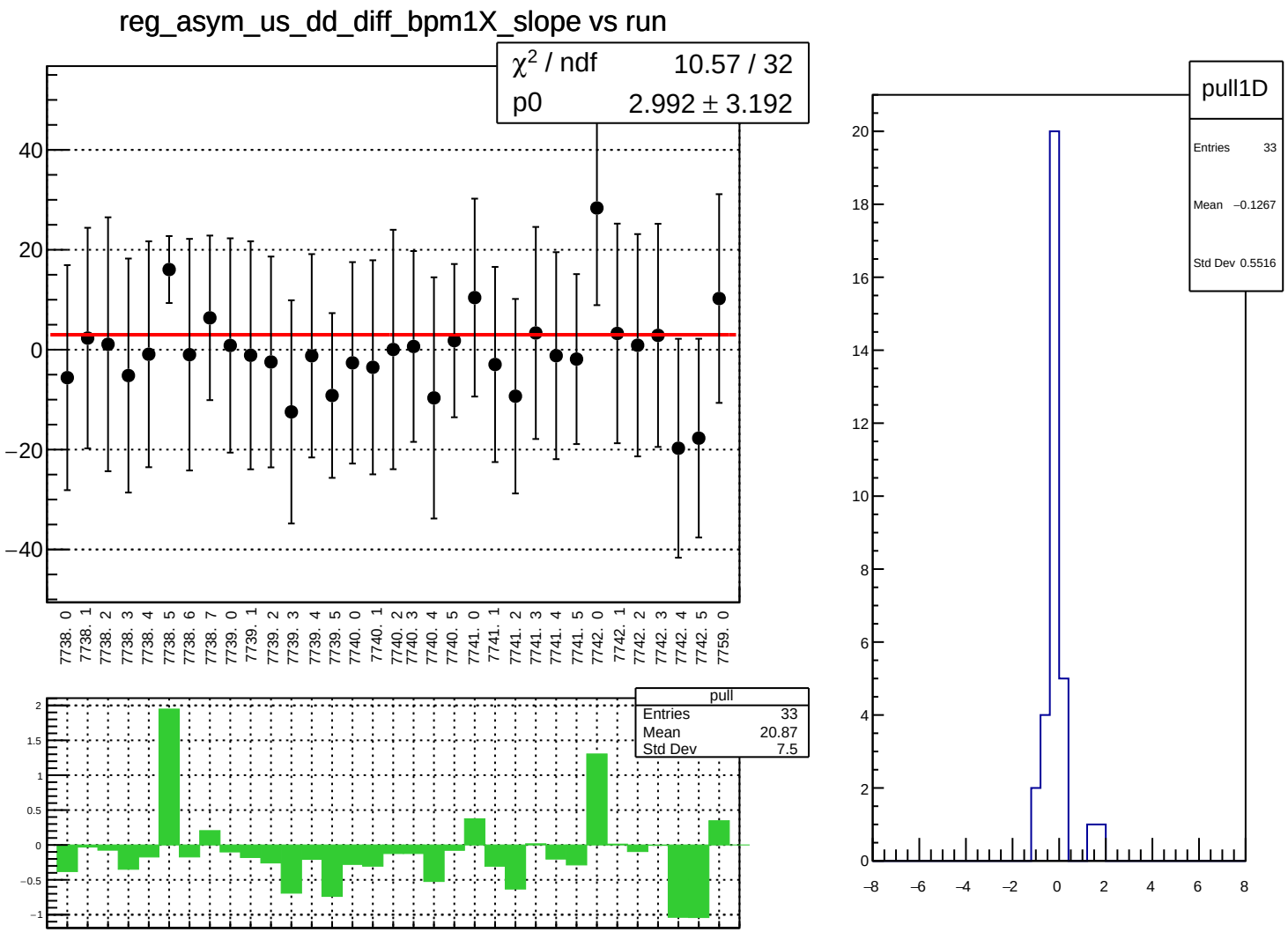

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.76 / 32
p0 33.99 ± 3.039
80
60
40
20
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.439
Std Dev 0
2
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.08216
Std Dev 0.5651
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

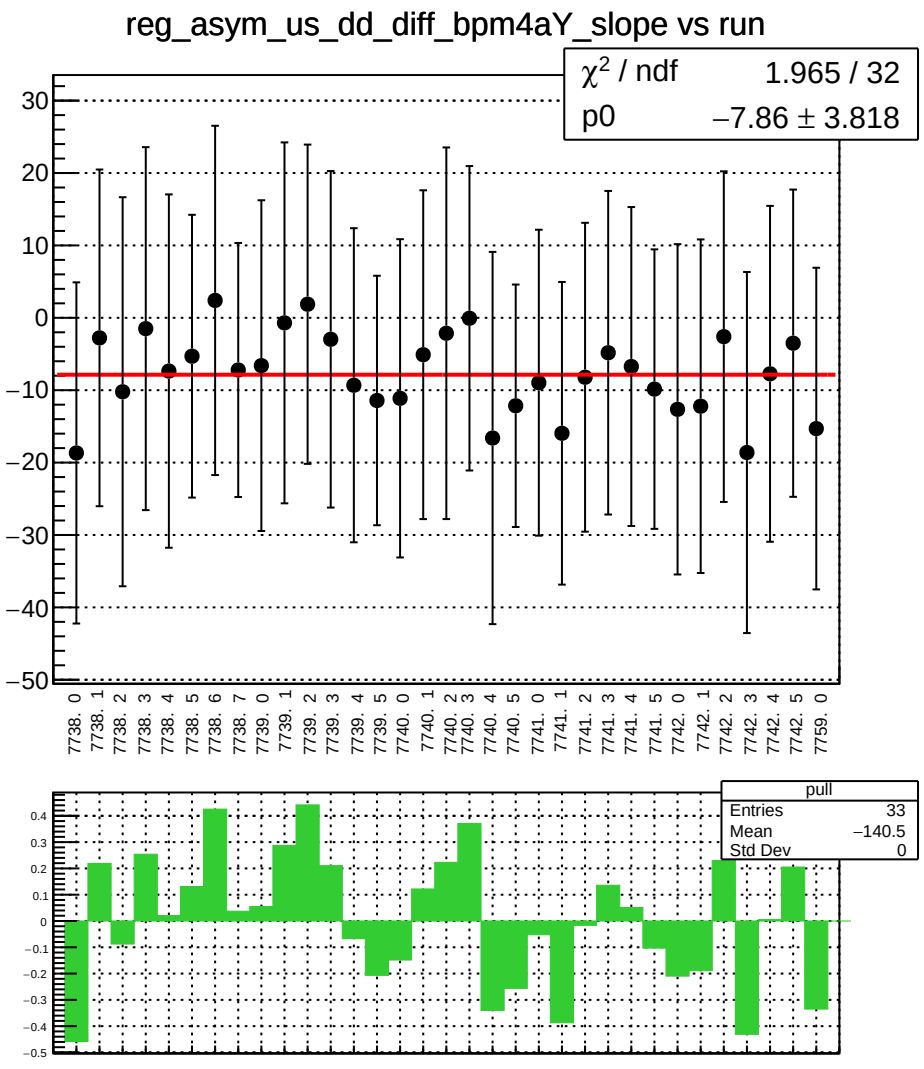

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.793 / 32
p0 −8.266 ± 6.661
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 79.89
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

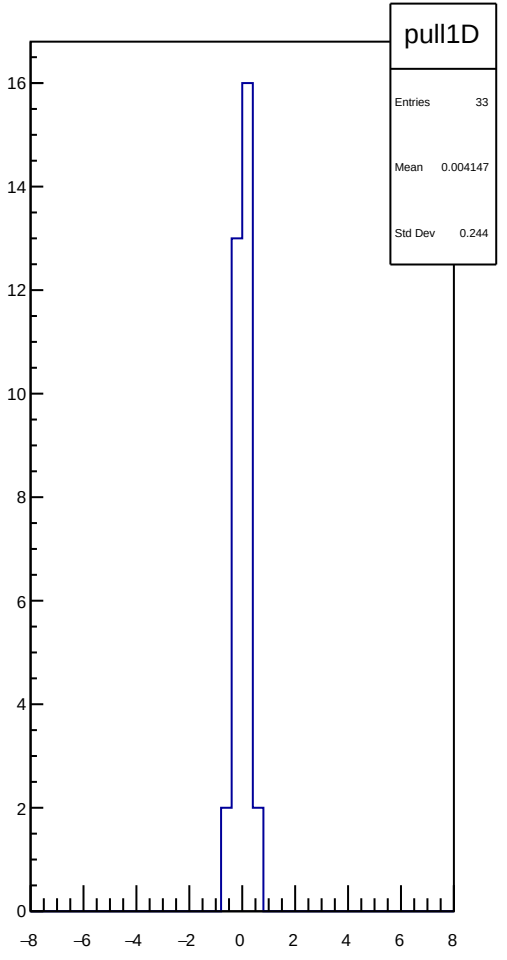

pull1D
Entries 33
Mean 0.003024
Std Dev 0.2909
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

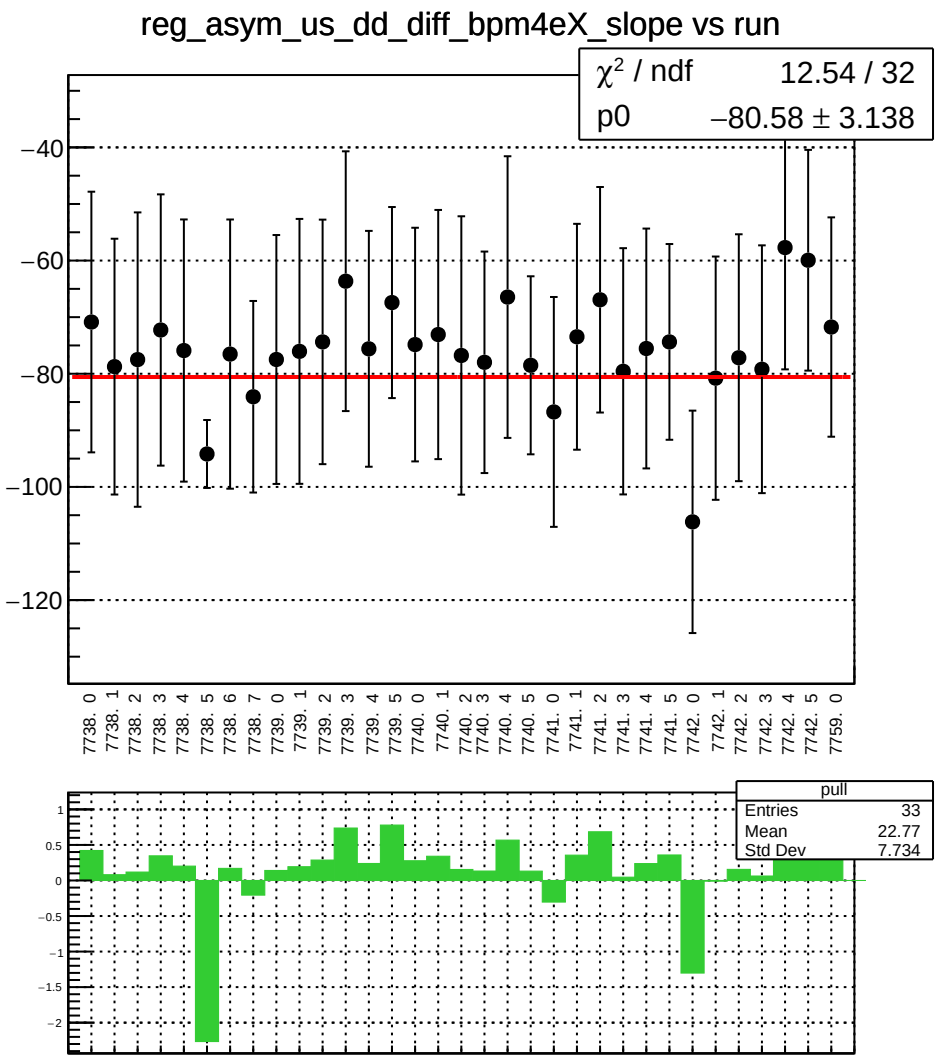

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 97.78 / 32
p0 −44.62 ± 0.2192
−42
−44
−46
−48
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.529
Std Dev 0
2
0
−2
−4
−6
−8

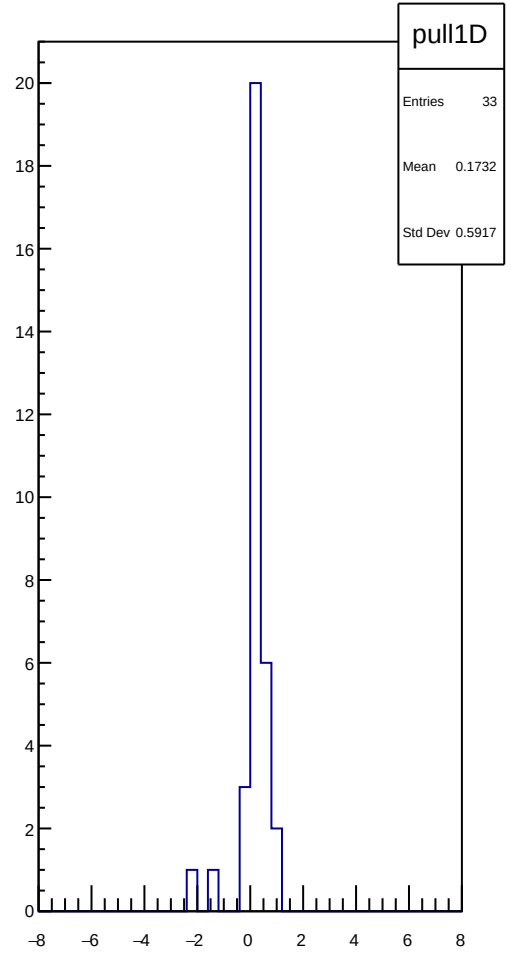

pull1D
Entries 33
Mean 0.173
Std Dev 1.713
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

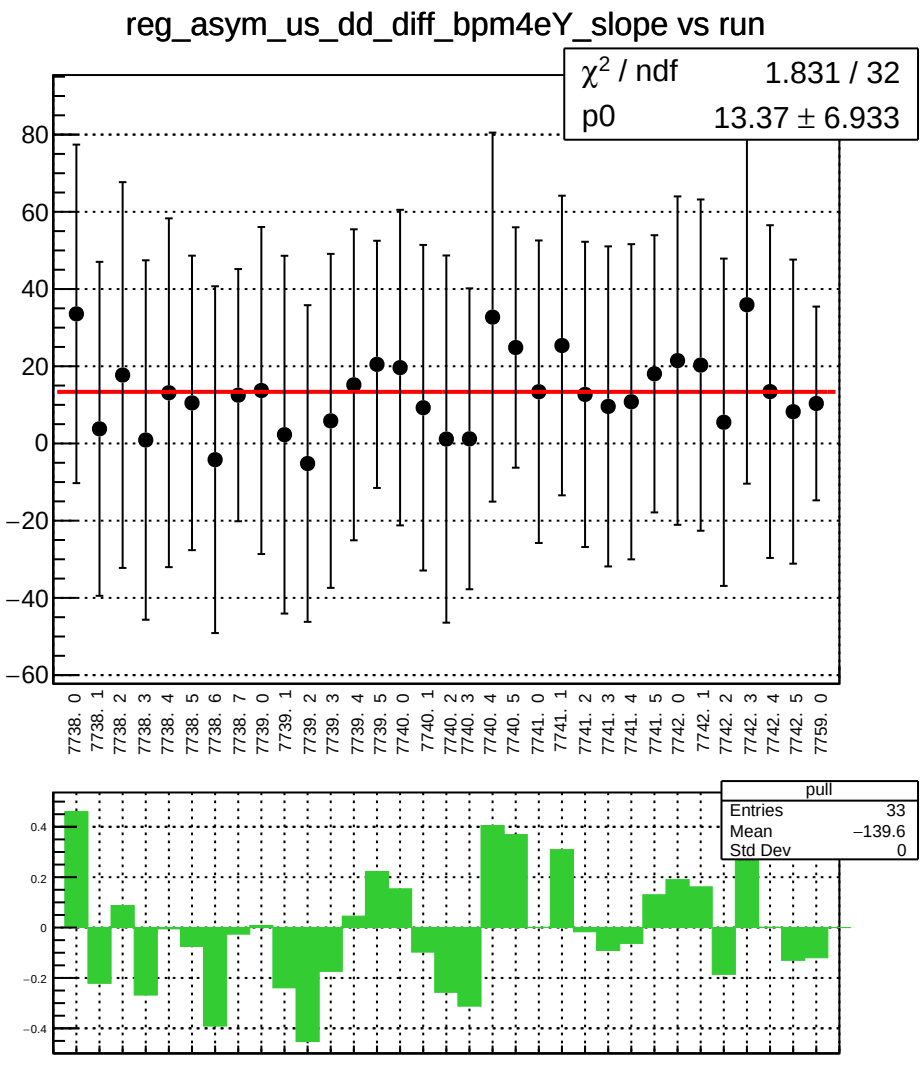

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 10.57 / 32
p0 2.992 ± 3.192
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.87
Std Dev 7.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.1267
Std Dev 0.5516
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

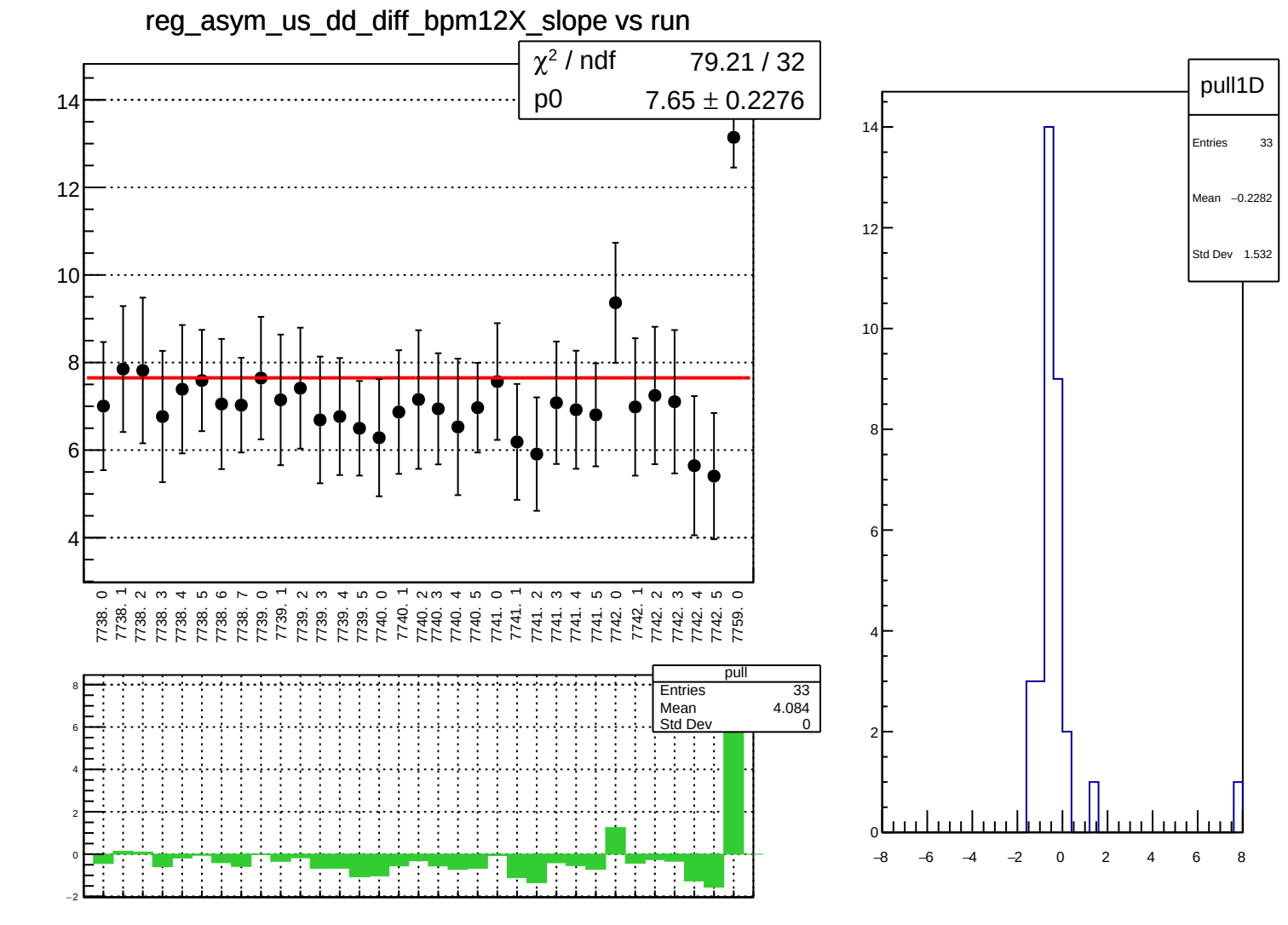

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.965 / 32
p0 −7.86 ± 3.818
30
20
10
0
−10
−20
−30
−40
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −140.5
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

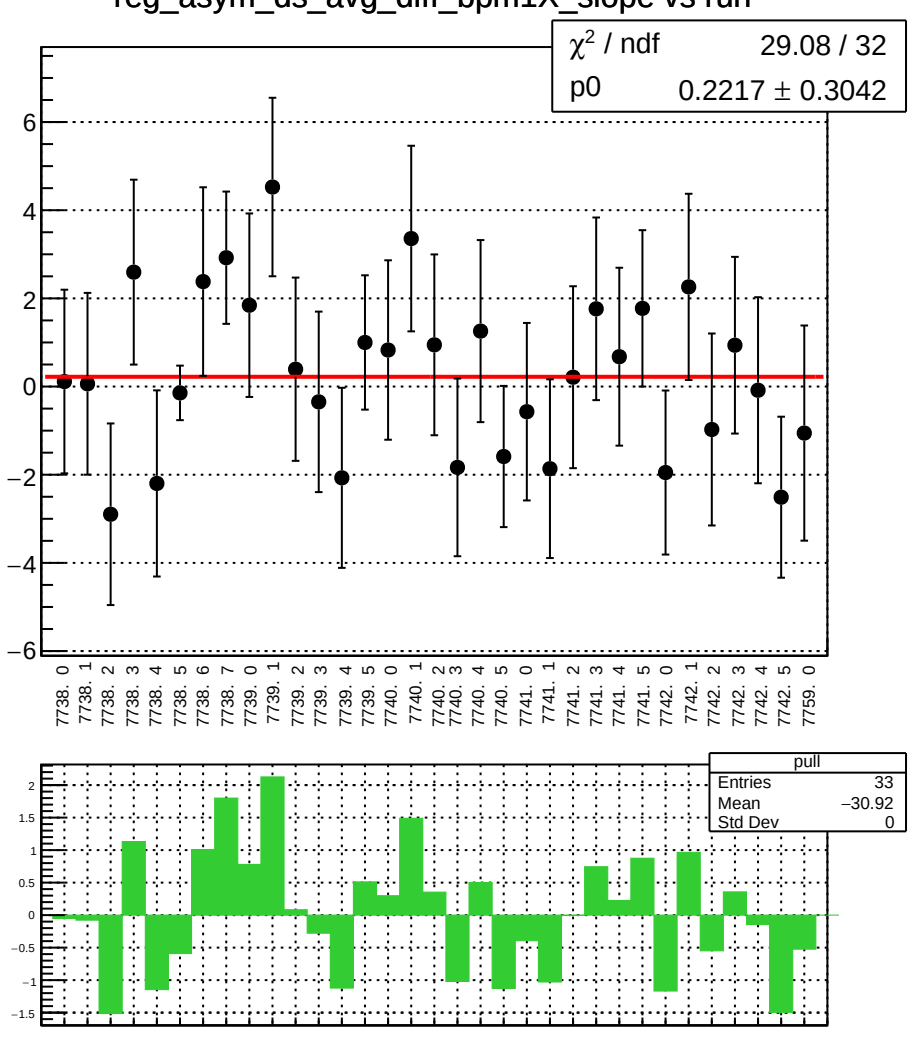

pull1D
Entries 33
Mean 0.004147
Std Dev 0.244
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

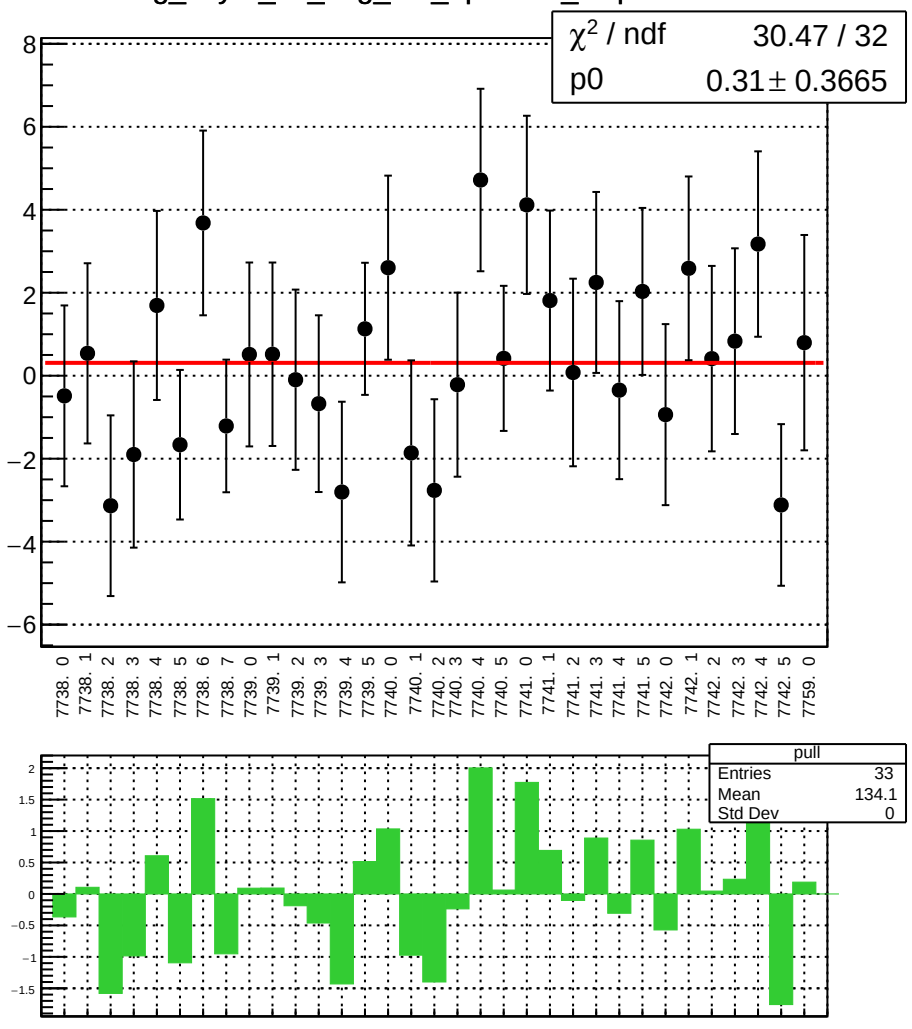

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.54 / 32
p0 −80.58 ± 3.138
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.77
Std Dev 7.734
1
0.5
0
−0.5
−1
−1.5
−2

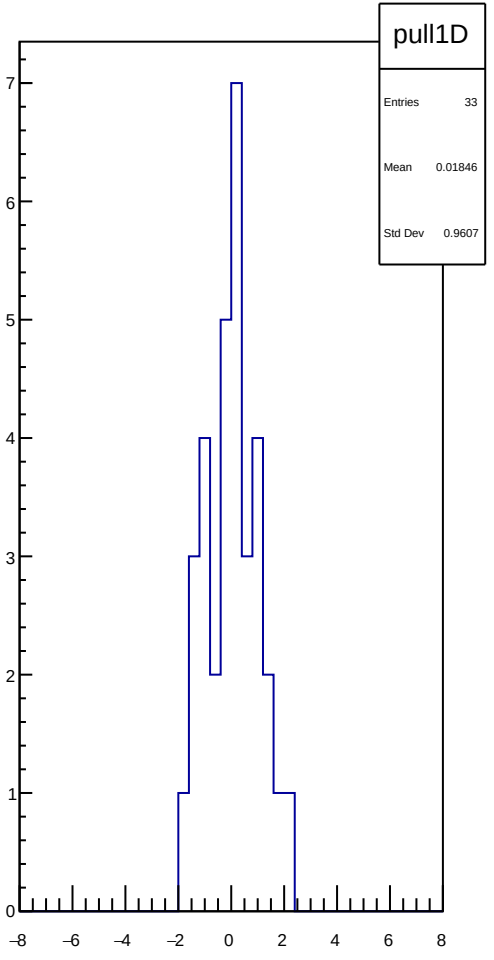

pull1D
Entries 33
Mean 0.1732
Std Dev 0.5917
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

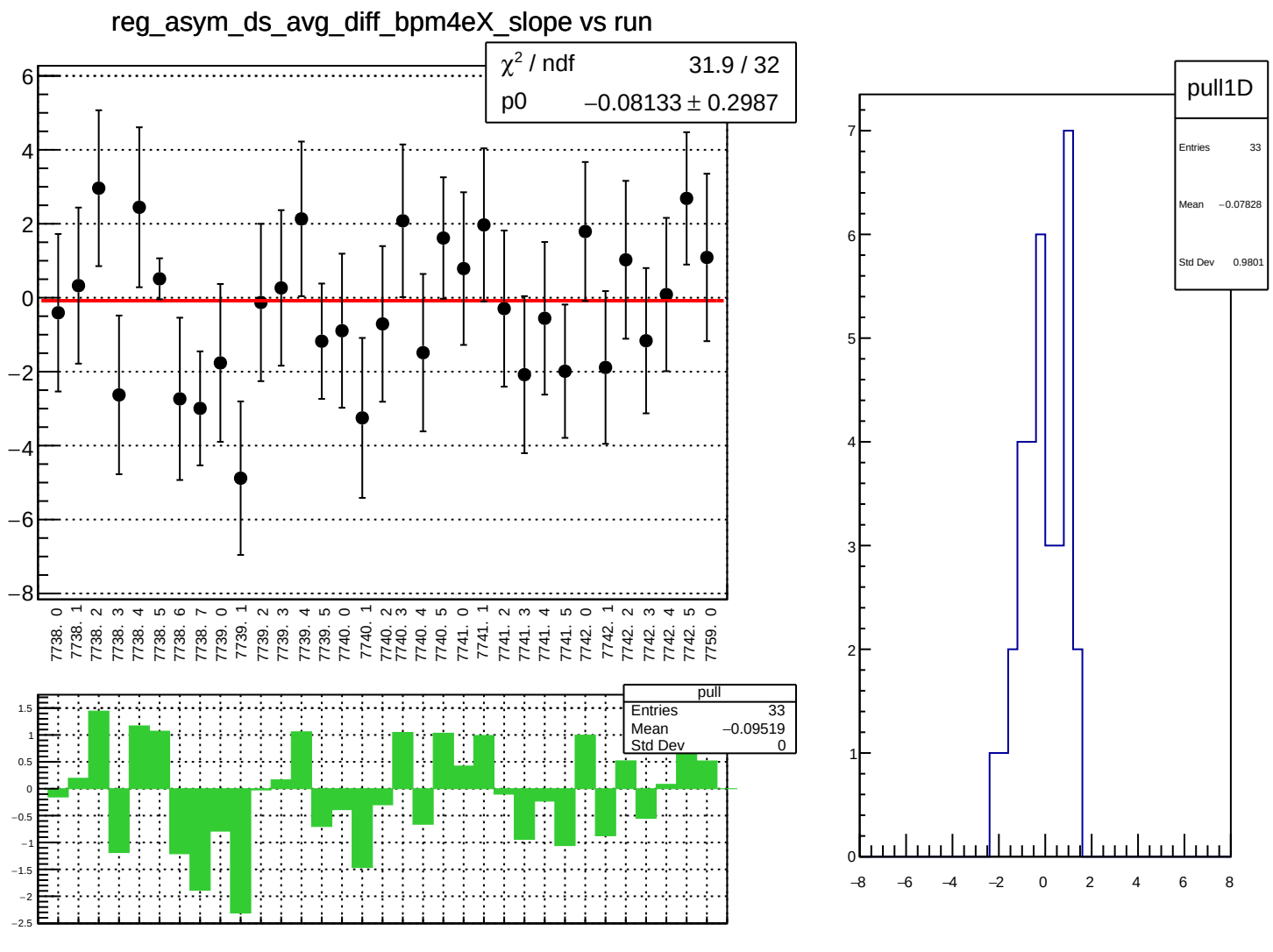

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.831 / 32
p0 13.37 ± 6.933
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −139.6
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.002796
Std Dev 0.2355
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

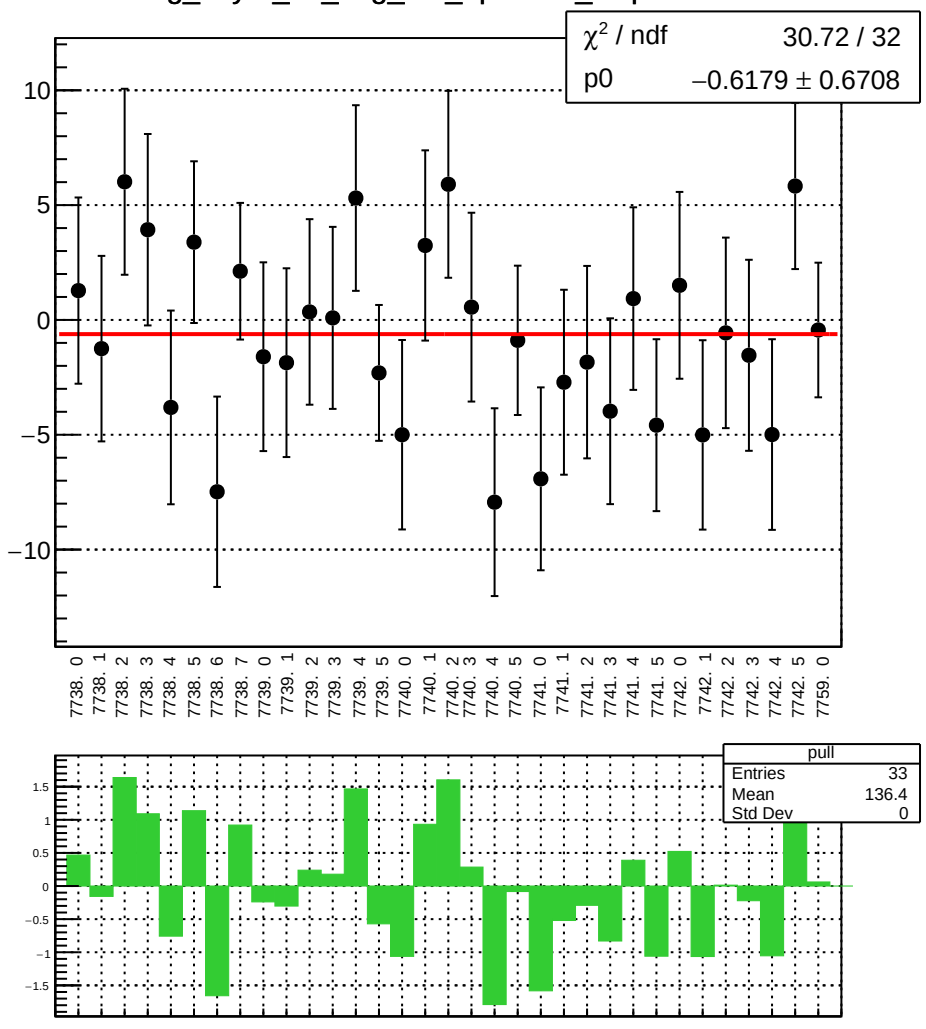

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 79.21 / 32
p0 7.65 ± 0.2276
14
12
10
8
6
4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.084
Std Dev 0
8
6
4
2
0
−2
pull1D
Entries 33
Mean −0.2282
Std Dev 1.532
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

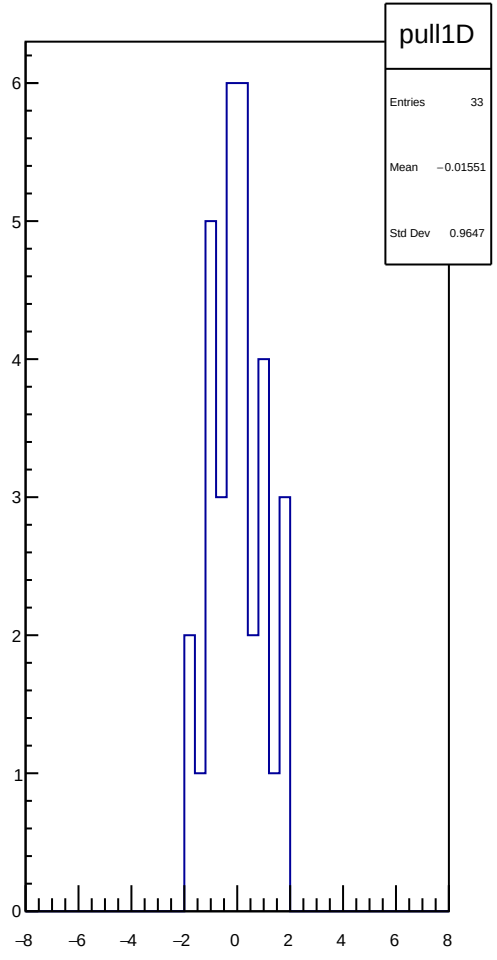

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 29.08 / 32
p0 0.2217 ± 0.3042
pull
Entries 33
Mean −30.92
Std Dev 0
pull1D
Entries 33
Mean 0.03069
Std Dev 0.9382

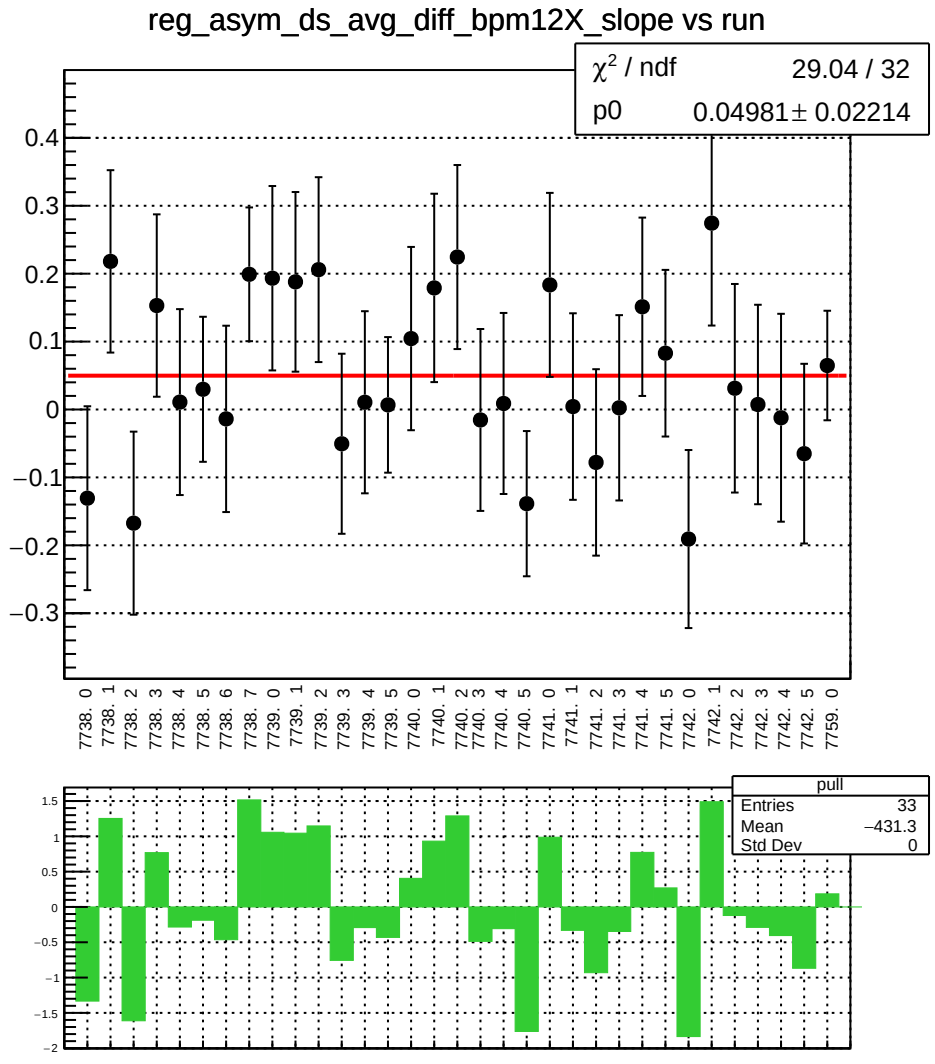

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.47 / 32
p0 0.31 ± 0.3665
pull
Entries 33
Mean 134.1
Std Dev 0

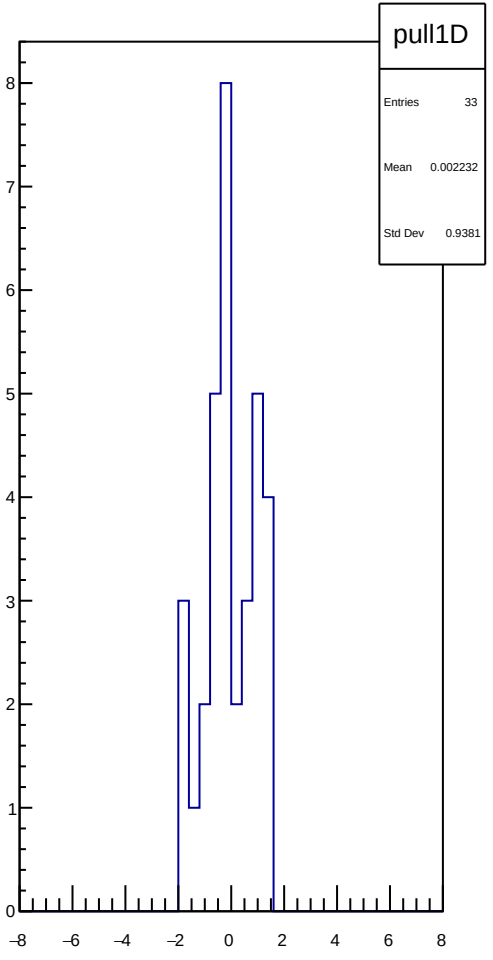

pull1D
Entries 33
Mean 0.01846
Std Dev 0.9607

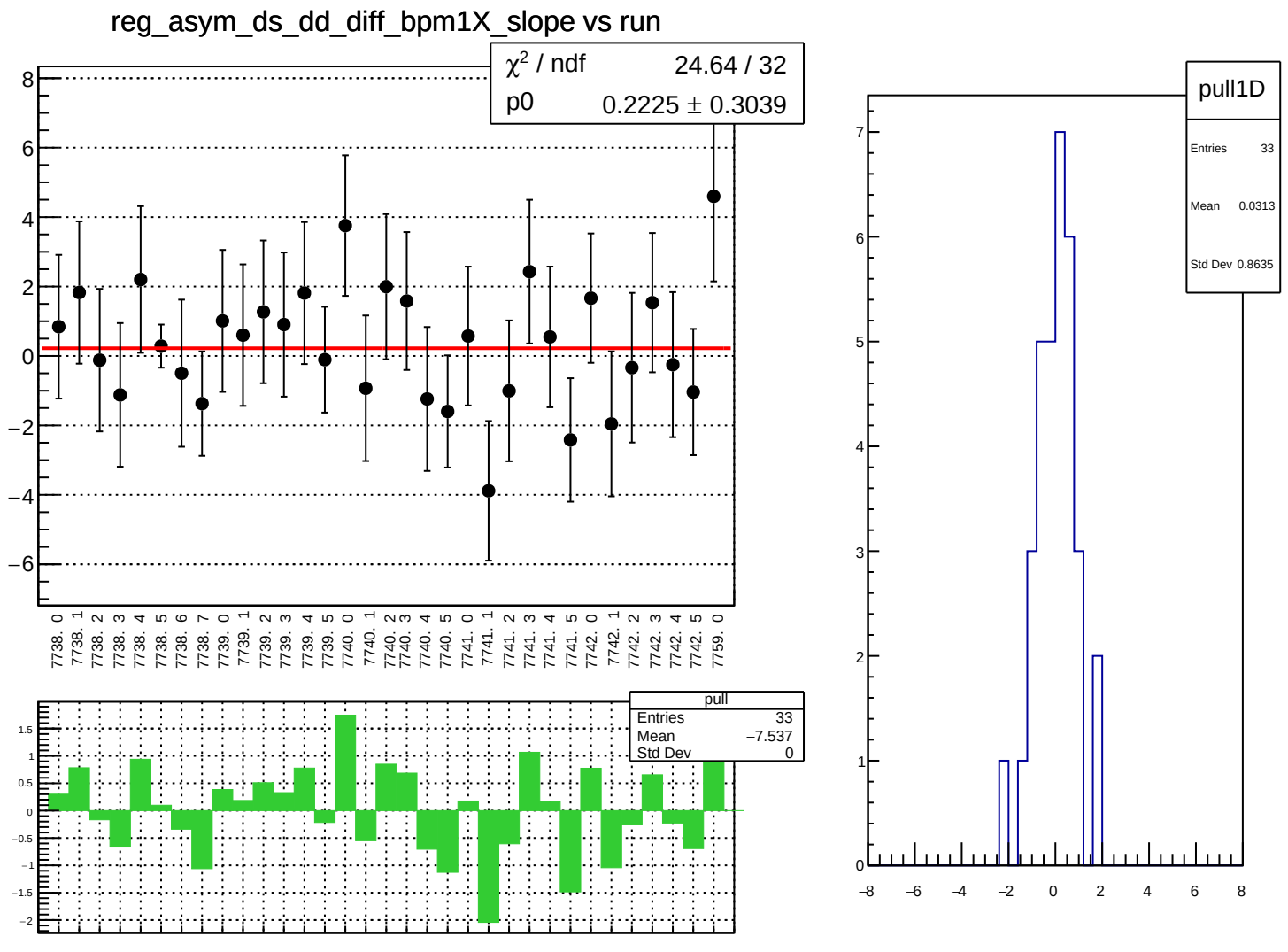

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.9 / 32
p0 −0.08133 ± 0.2987
6
4
2
0
−2
−4
−6
−8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.09519
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.07828
Std Dev 0.9801
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

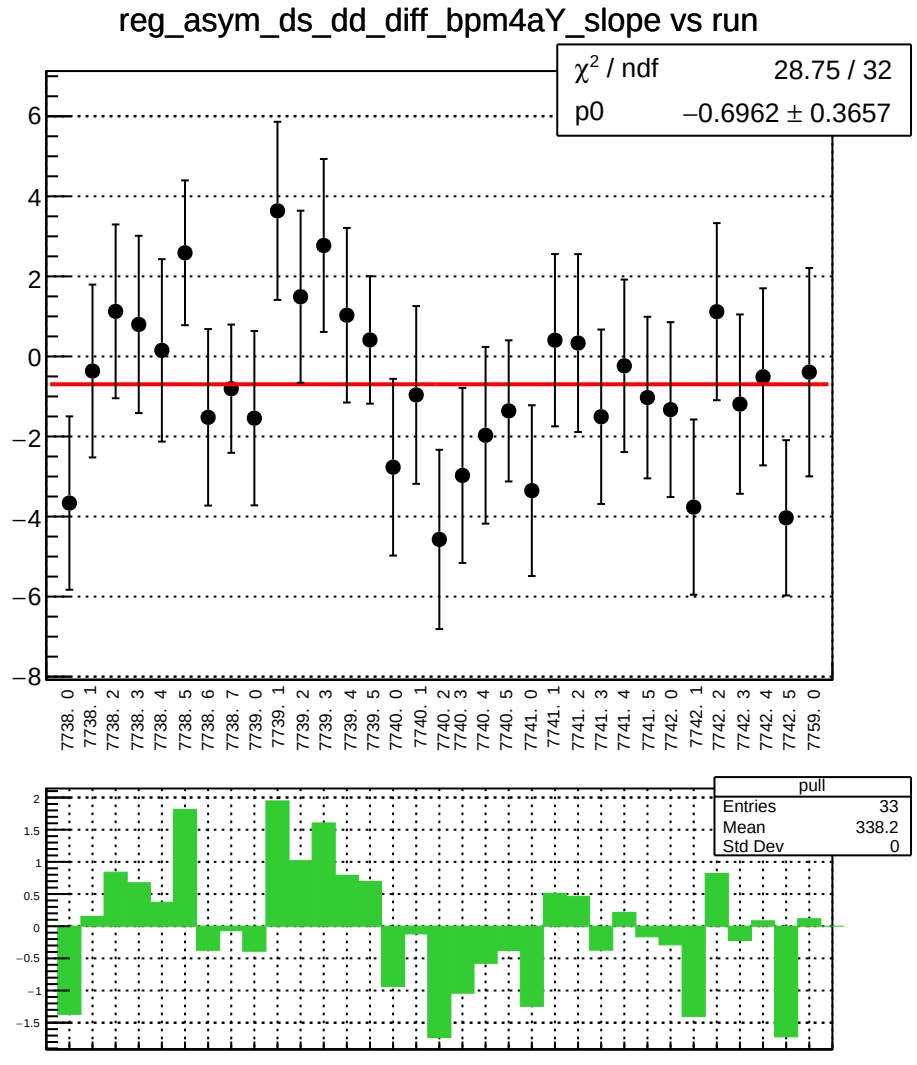

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.72 / 32
p0 −0.6179 ± 0.6708
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 136.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

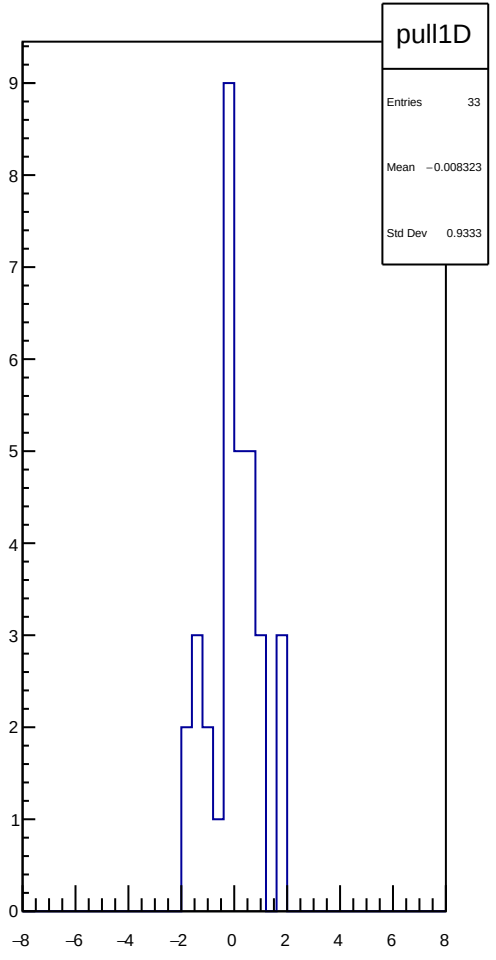

pull1D
Entries 33
Mean −0.01551
Std Dev 0.9647
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

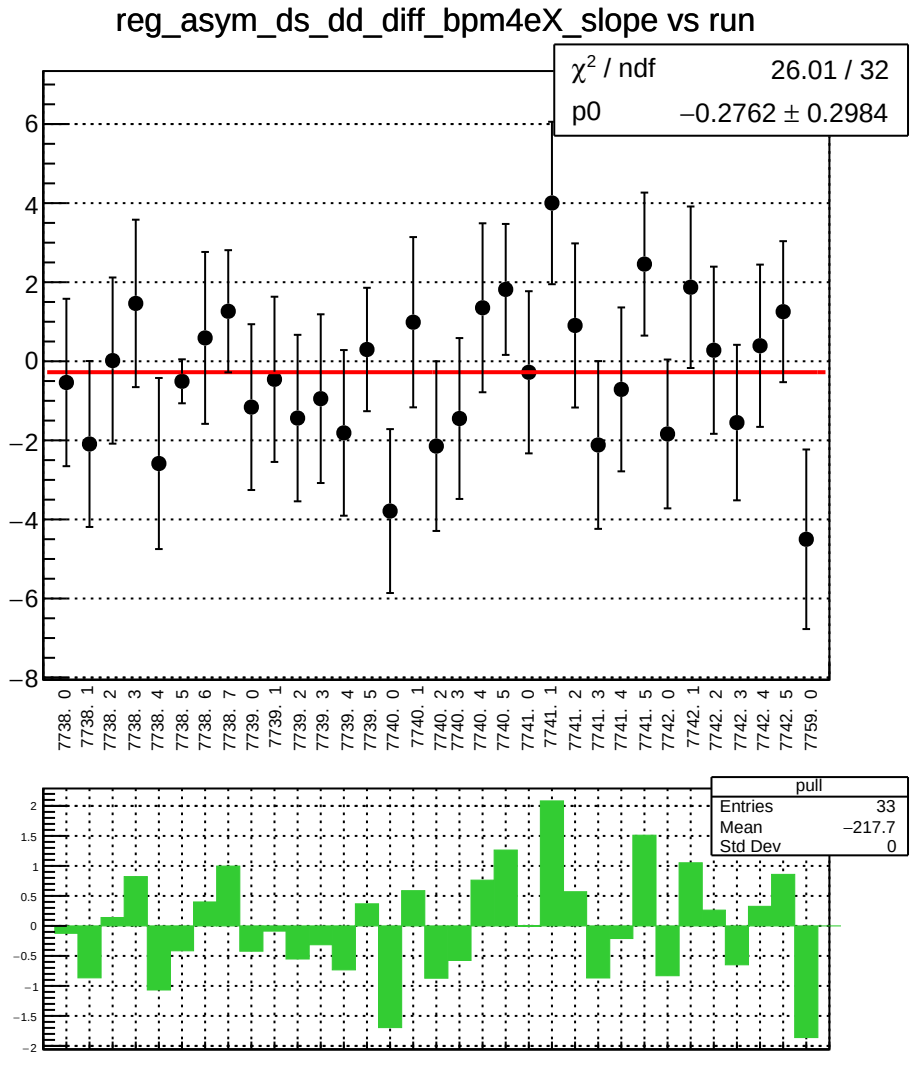

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 29.04 / 32
p0 0.04981 ± 0.02214
pull
Entries 33
Mean −431.3
Std Dev 0

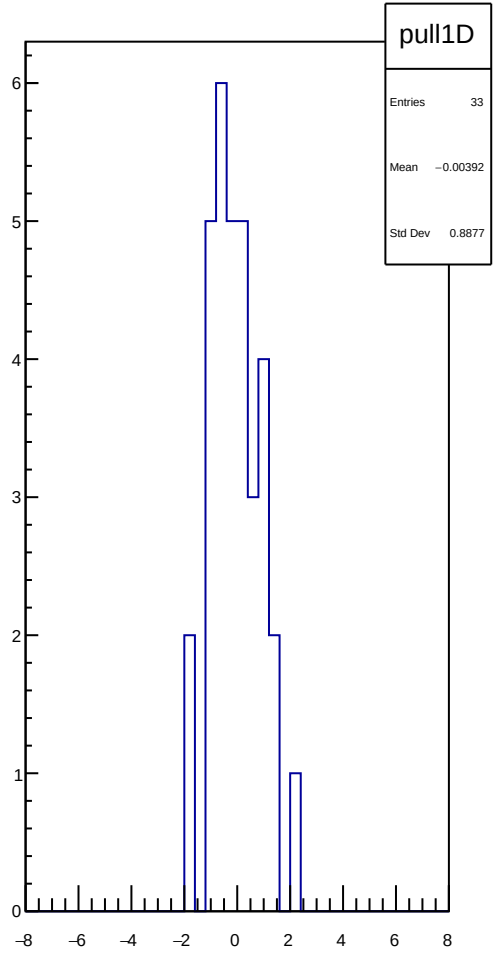

pull1D
Entries 33
Mean 0.002232
Std Dev 0.9381

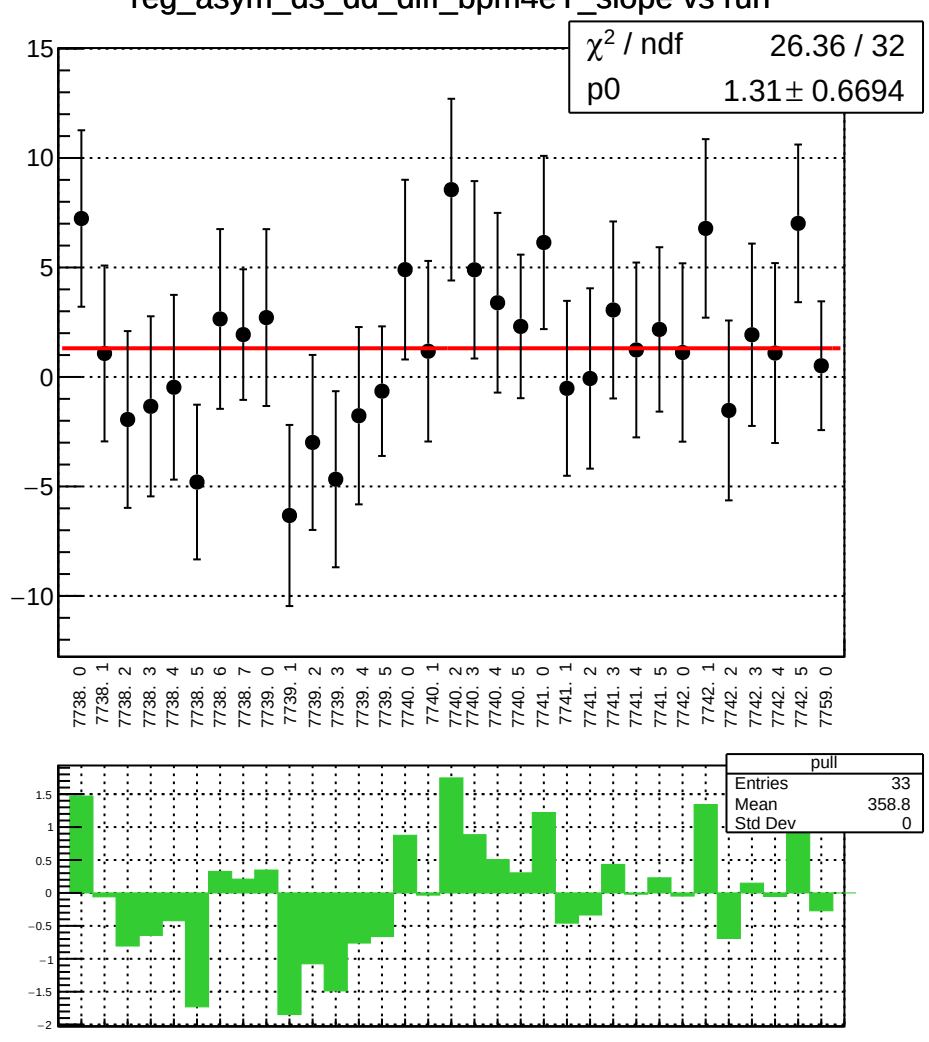

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 24.64 / 32
p0 0.2225 ± 0.3039
pull
Entries 33
Mean −7.537
Std Dev 0
pull1D
Entries 33
Mean 0.0313
Std Dev 0.8635

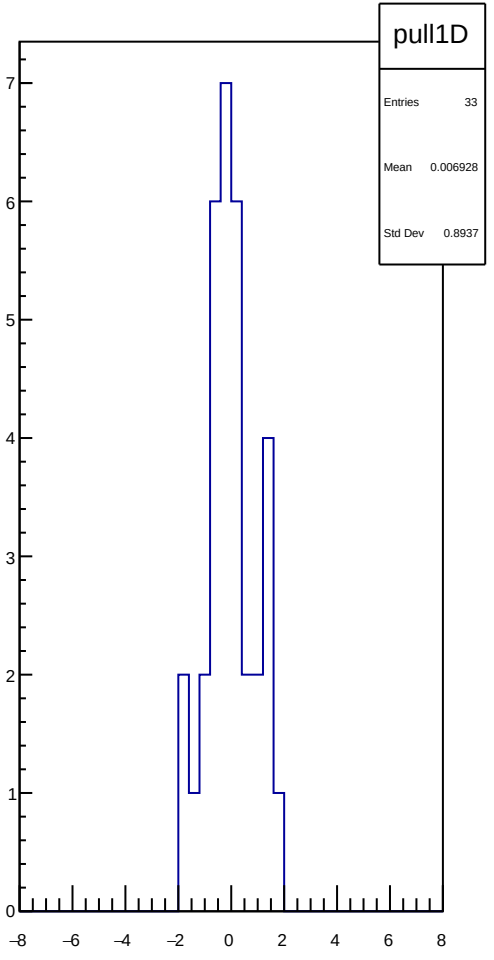

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.75 / 32
p0 −0.6962 ± 0.3657
pull
Entries 33
Mean 338.2
Std Dev 0

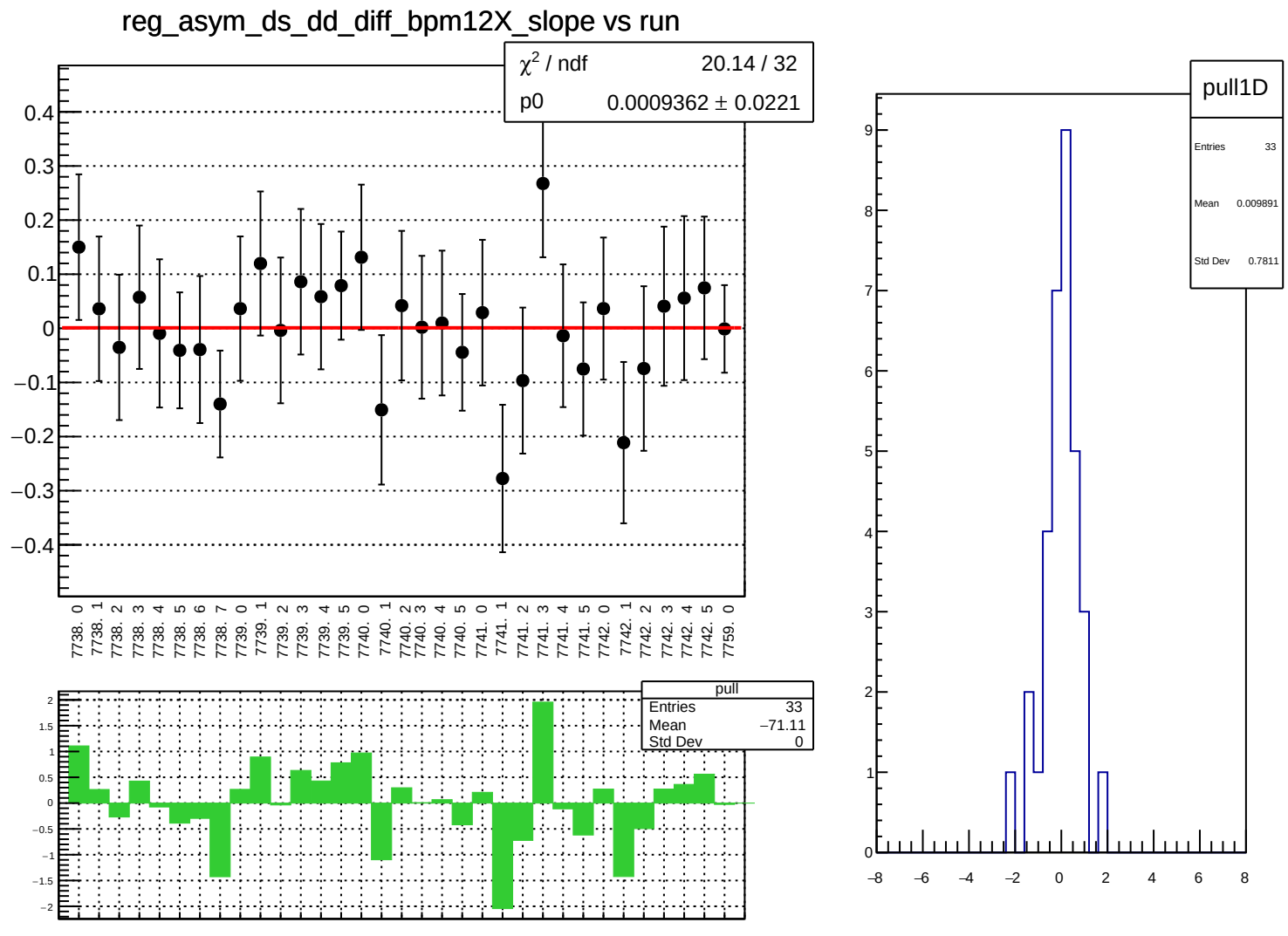

pull1D
Entries 33
Mean −0.008323
Std Dev 0.9333

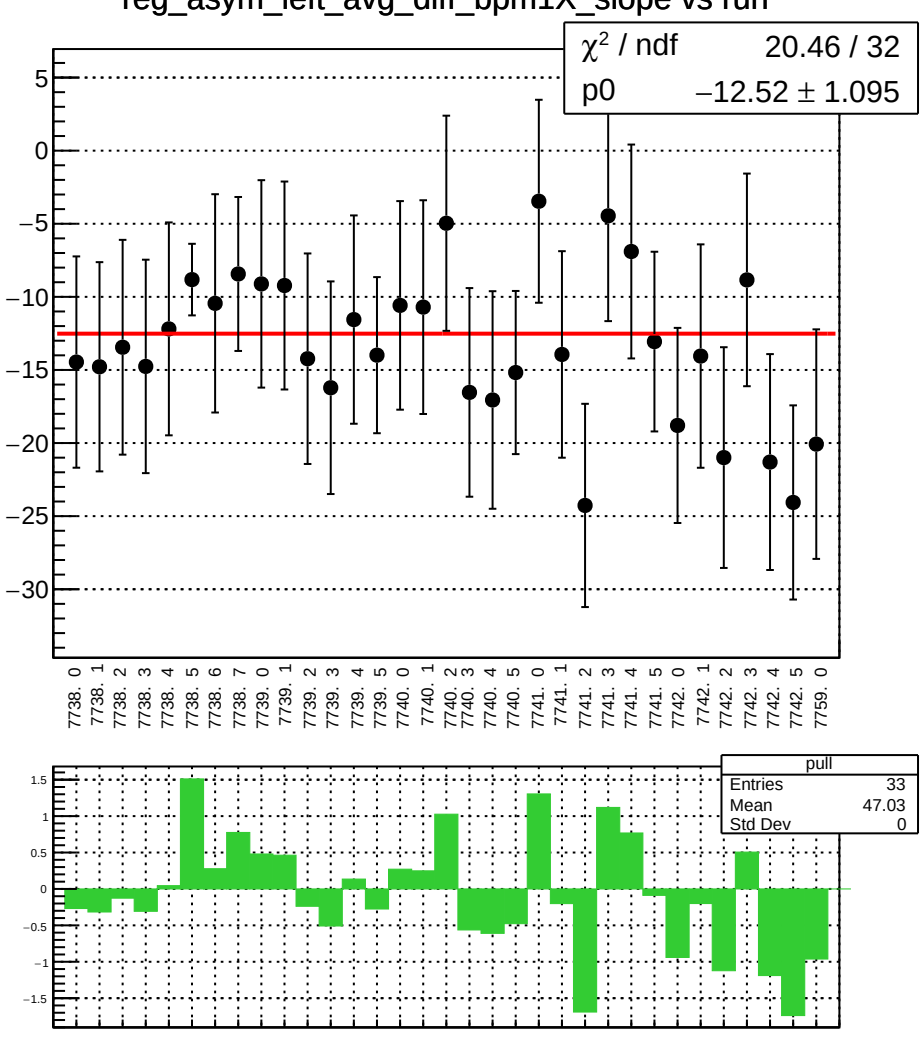

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.01 / 32
p0 −0.2762 ± 0.2984
pull
Entries 33
Mean −217.7
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

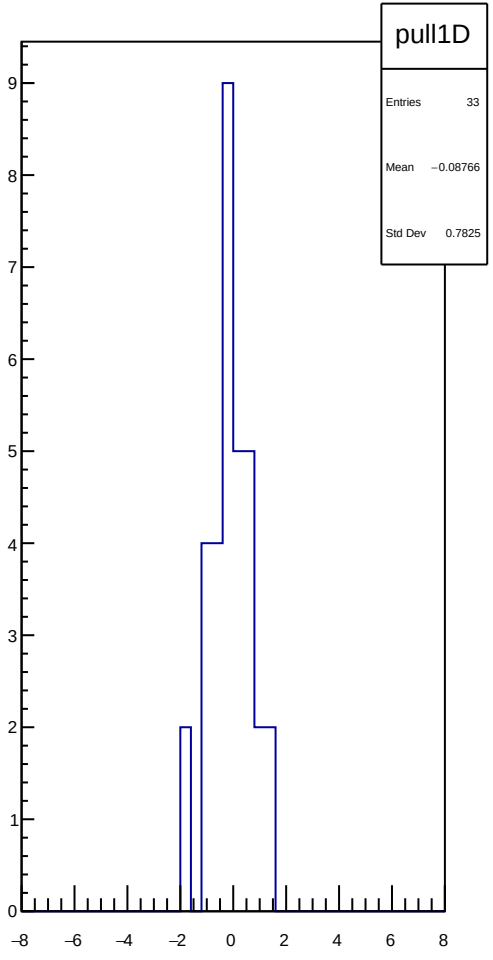

pull1D
Entries 33
Mean −0.00392
Std Dev 0.8877

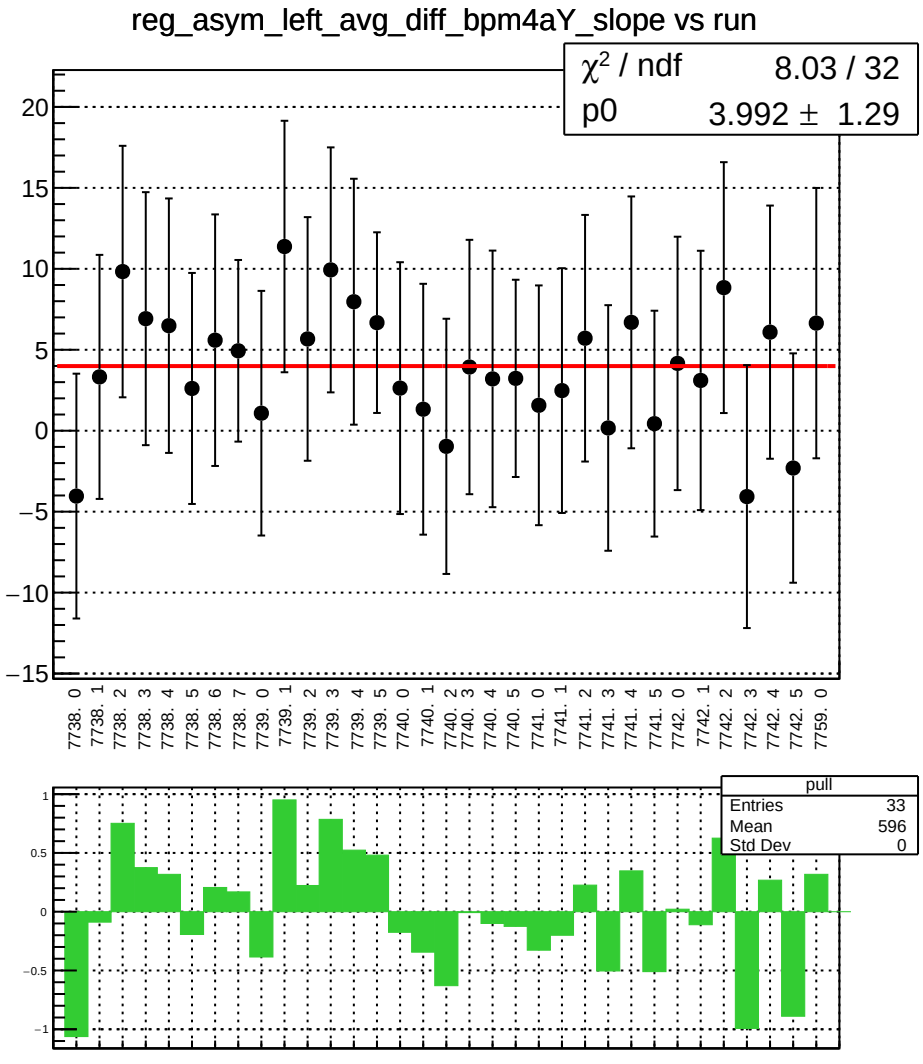

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.36 / 32
p0 1.31 ± 0.6694
pull
Entries 33
Mean 358.8
Std Dev 0

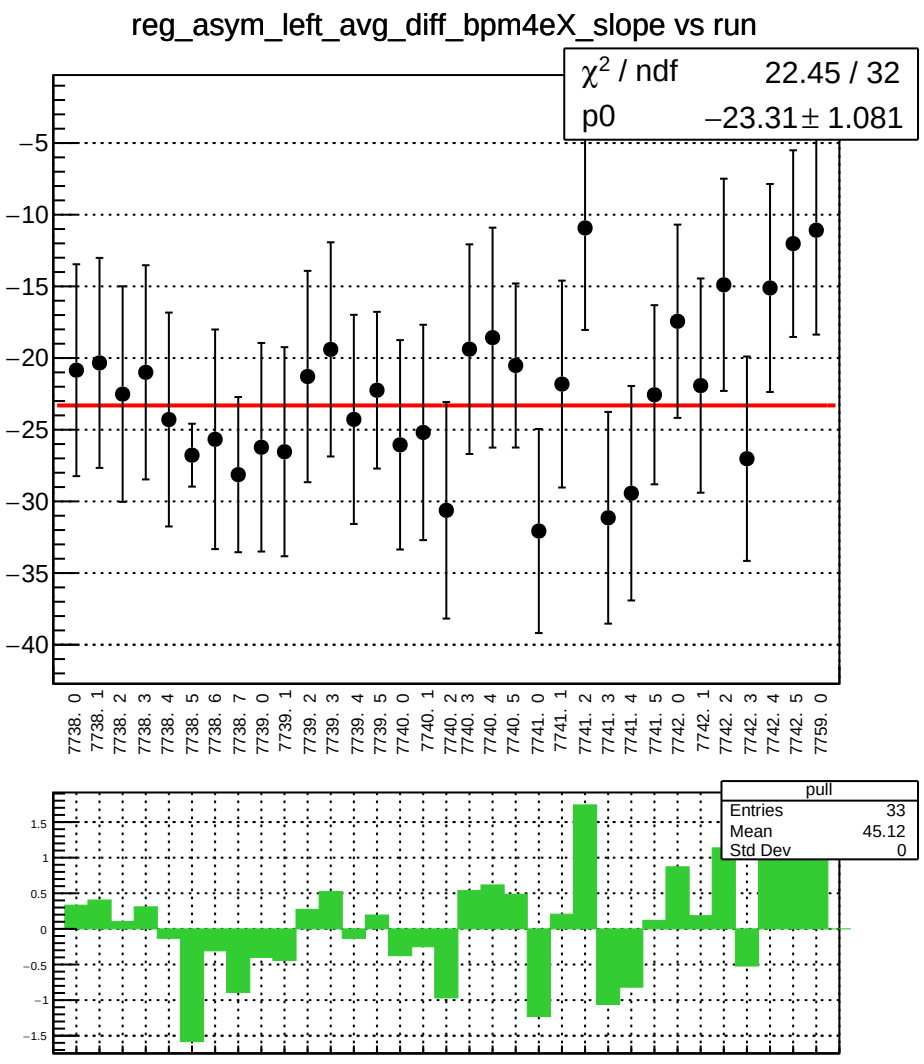

pull1D
Entries 33
Mean 0.006928
Std Dev 0.8937

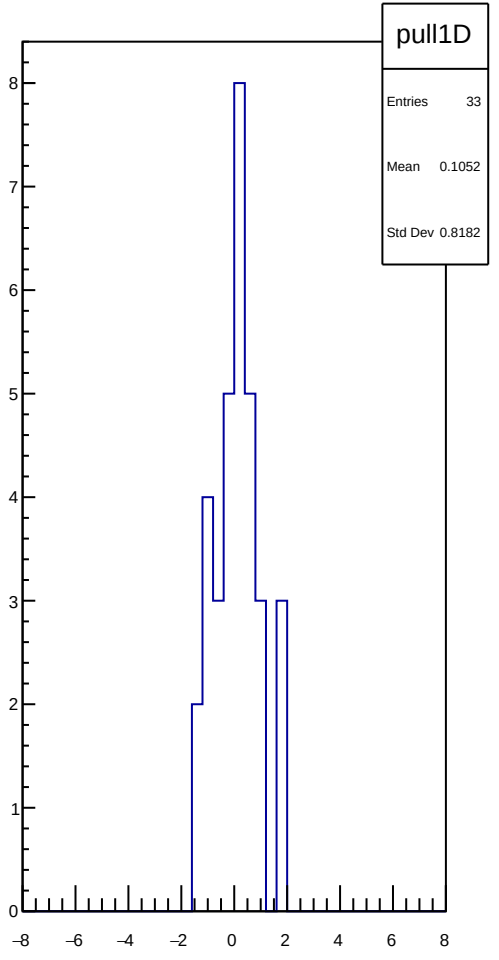

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 20.14 / 32
p0 0.0009362 ± 0.0221
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −71.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.009891
Std Dev 0.7811
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

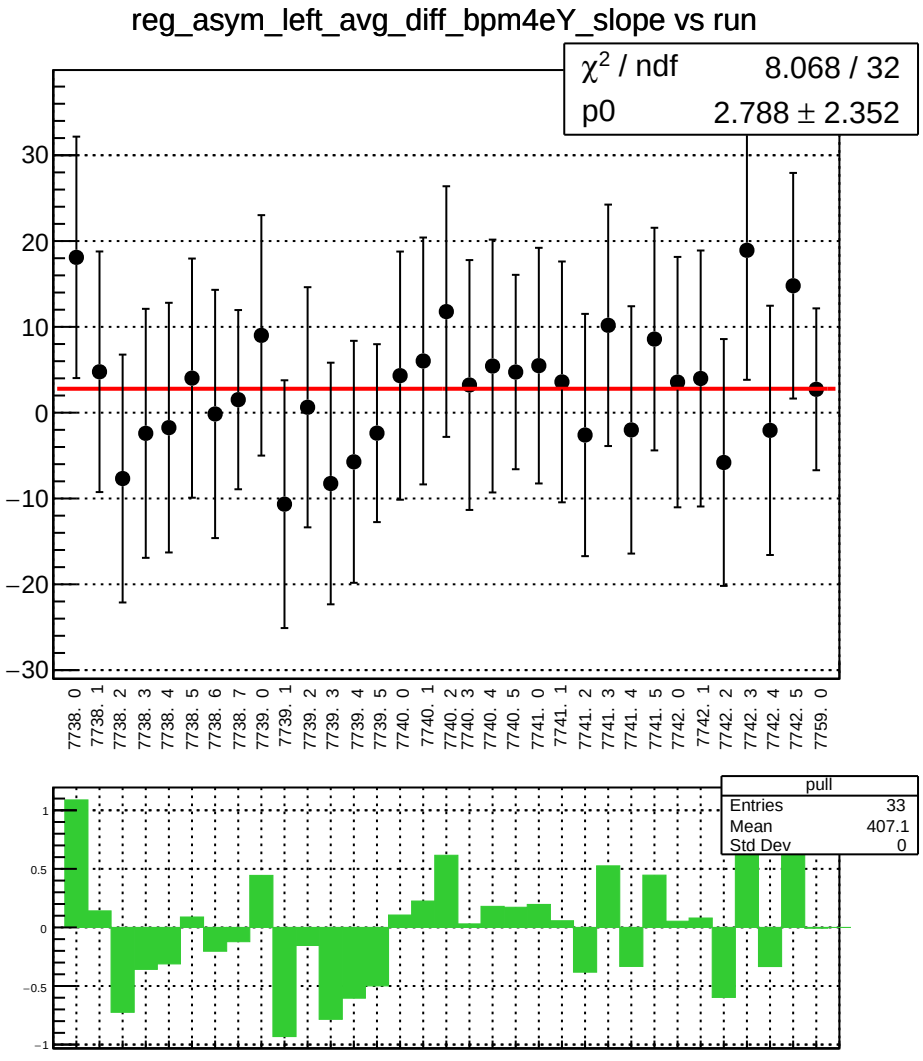

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 20.46 / 32
p0 −12.52 ± 1.095
pull
Entries 33
Mean 47.03
Std Dev 0

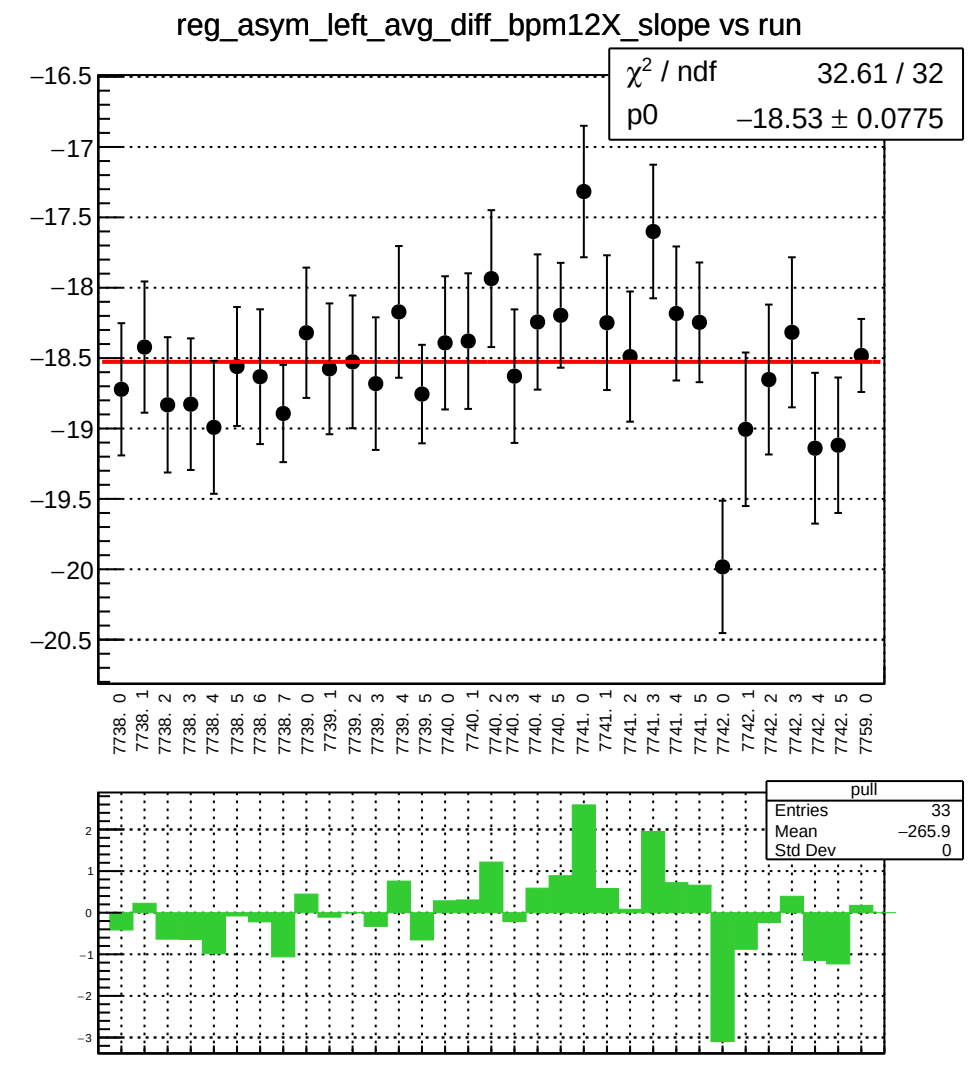

pull1D
Entries 33
Mean −0.08766
Std Dev 0.7825

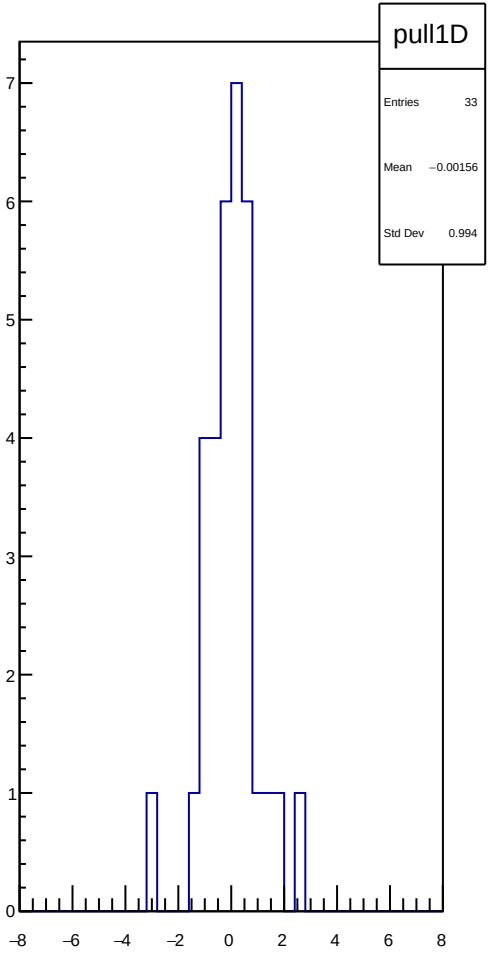

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.03 / 32
p0 3.992 ± 1.29
pull
Entries 33
Mean 596
Std Dev 0
pull1D
Entries 33
Mean −0.001662
Std Dev 0.4933

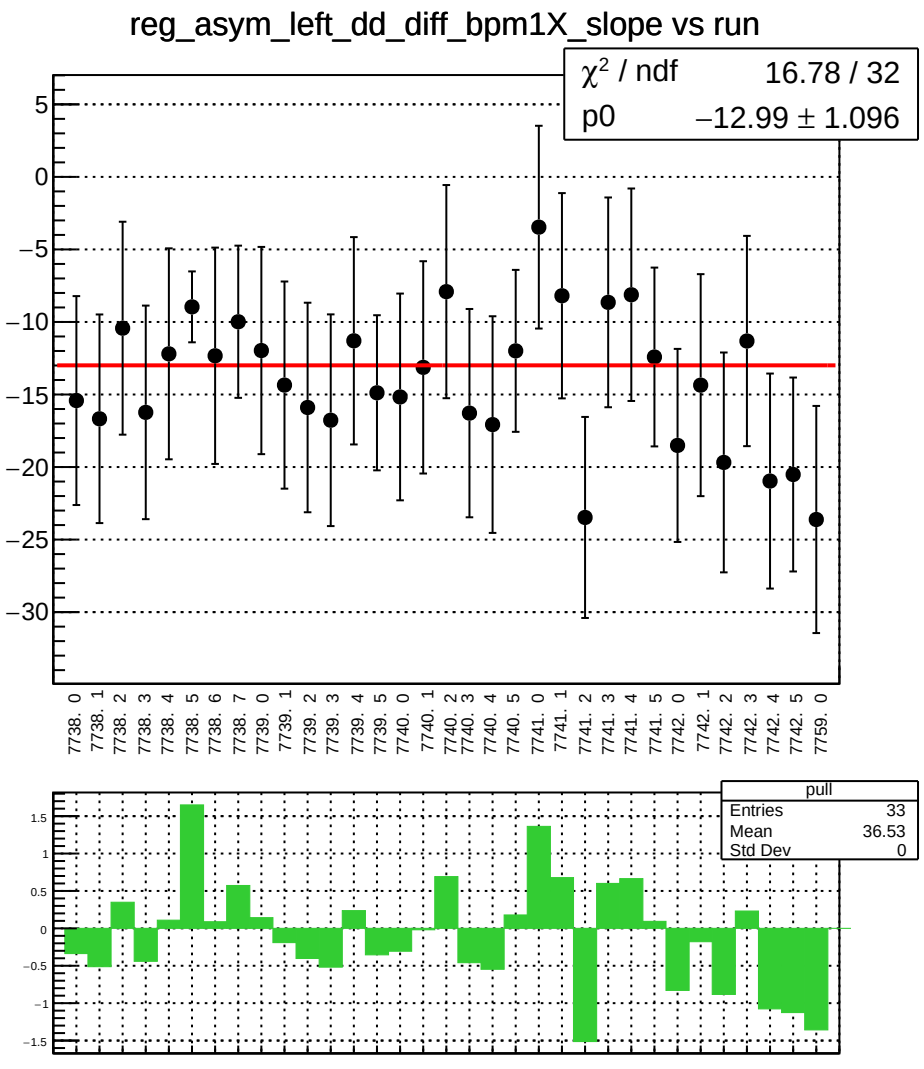

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.45 / 32
p0 −23.31 ± 1.081
−5
−10
−15
−20
−25
−30
−35
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 45.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

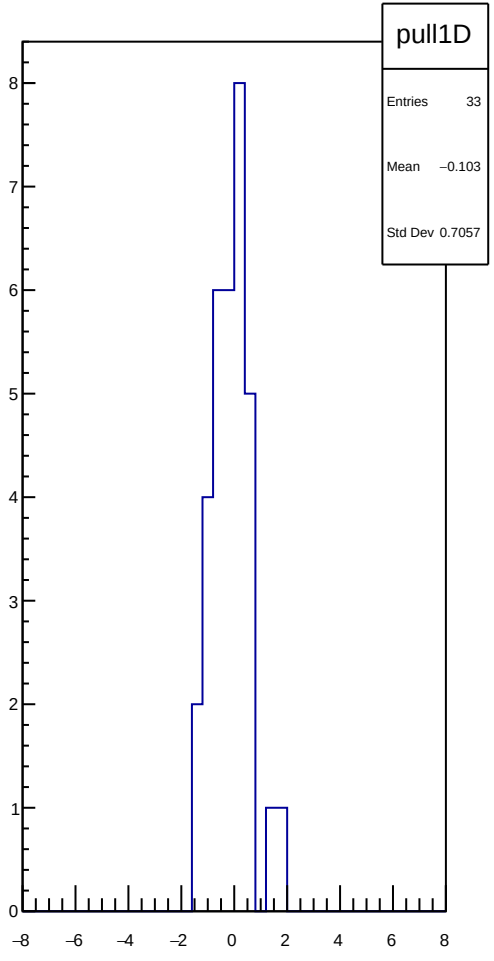

pull1D
Entries 33
Mean 0.1052
Std Dev 0.8182
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

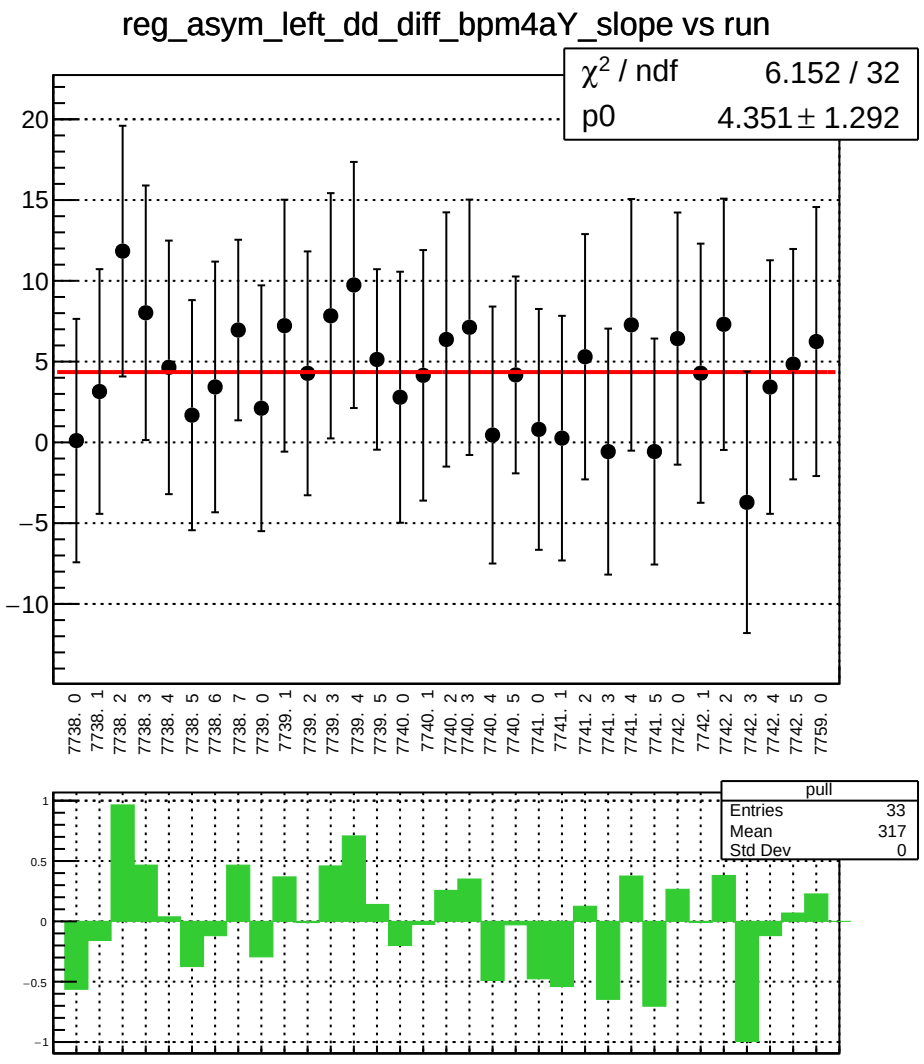

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.068 / 32
p0 2.788 ± 2.352
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 407.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.002654
Std Dev 0.4944
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

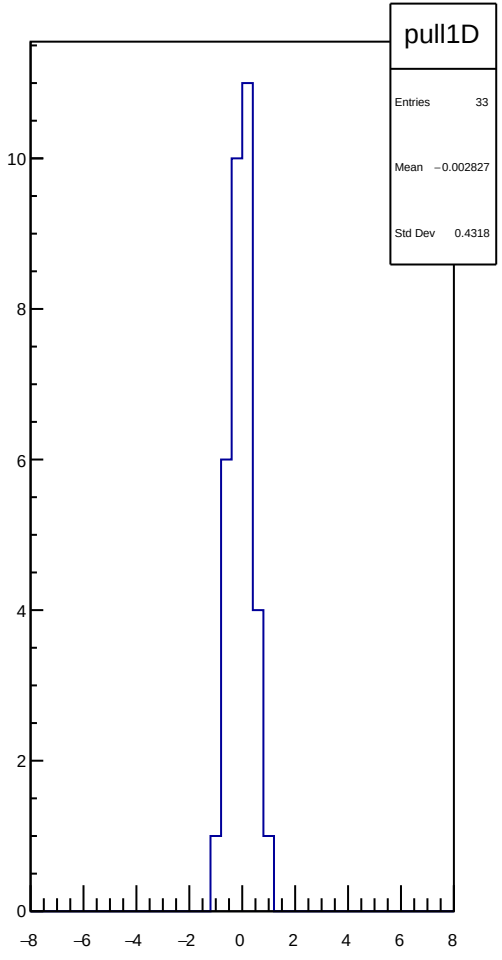

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 32.61 / 32
p0 −18.53 ± 0.0775
−16.5
−17
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −265.9
Std Dev 0
2
1
0
−1
−2
−3

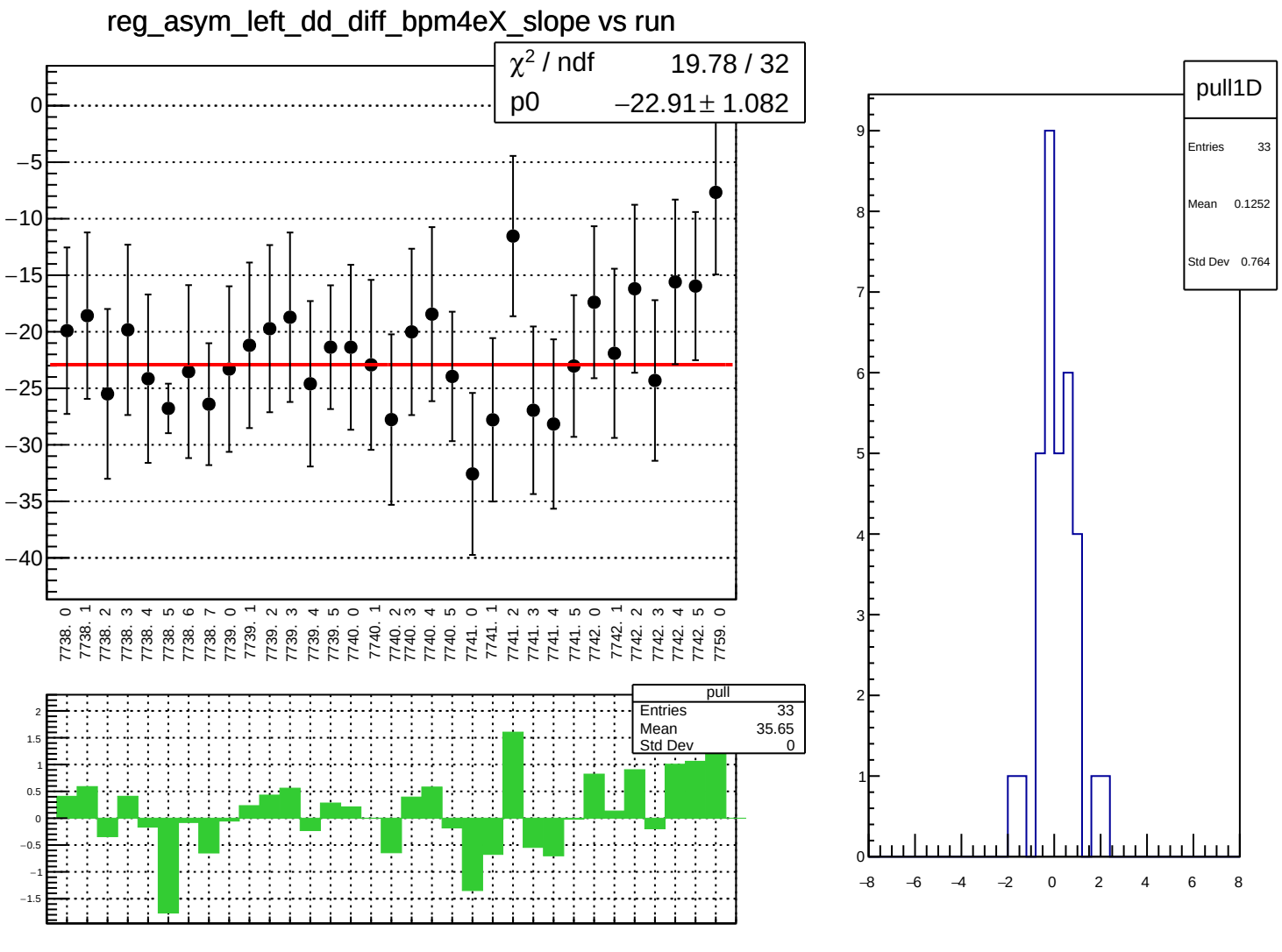

pull1D
Entries 33
Mean −0.00156
Std Dev 0.994
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

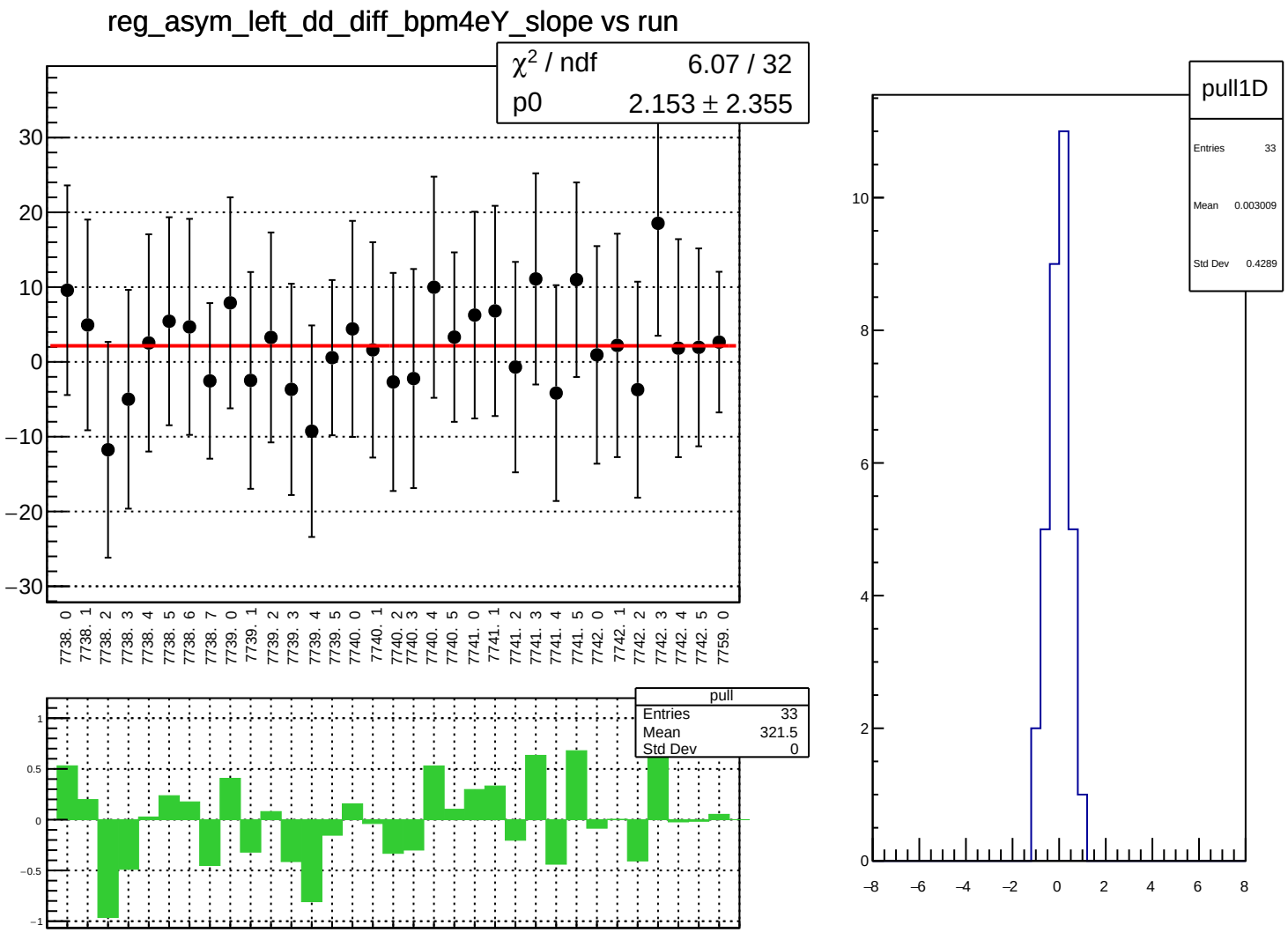

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 16.78 / 32
p0 −12.99 ± 1.096
pull
Entries 33
Mean 36.53
Std Dev 0

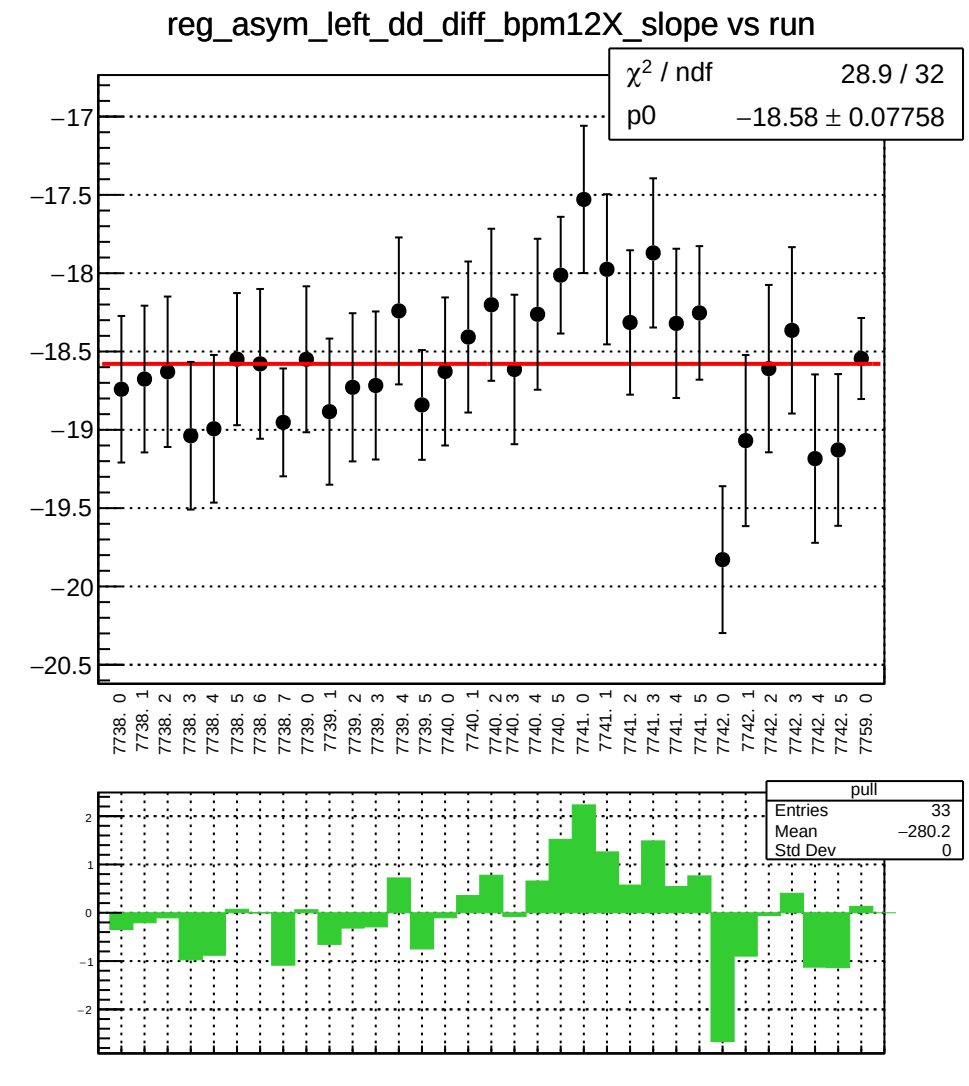

pull1D
Entries 33
Mean −0.103
Std Dev 0.7057

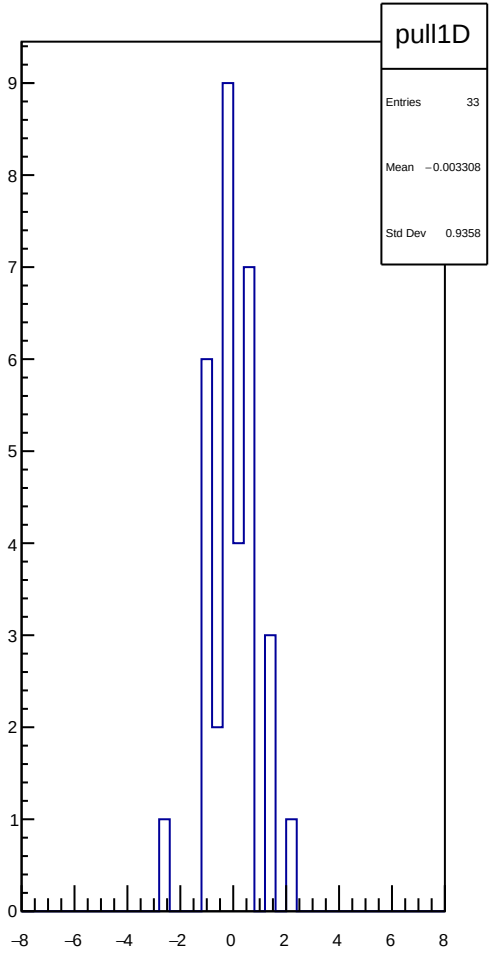

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.152 / 32
p0 4.351 ± 1.292
20
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 317
Std Dev 0
1
0.5
0
−0.5
−1

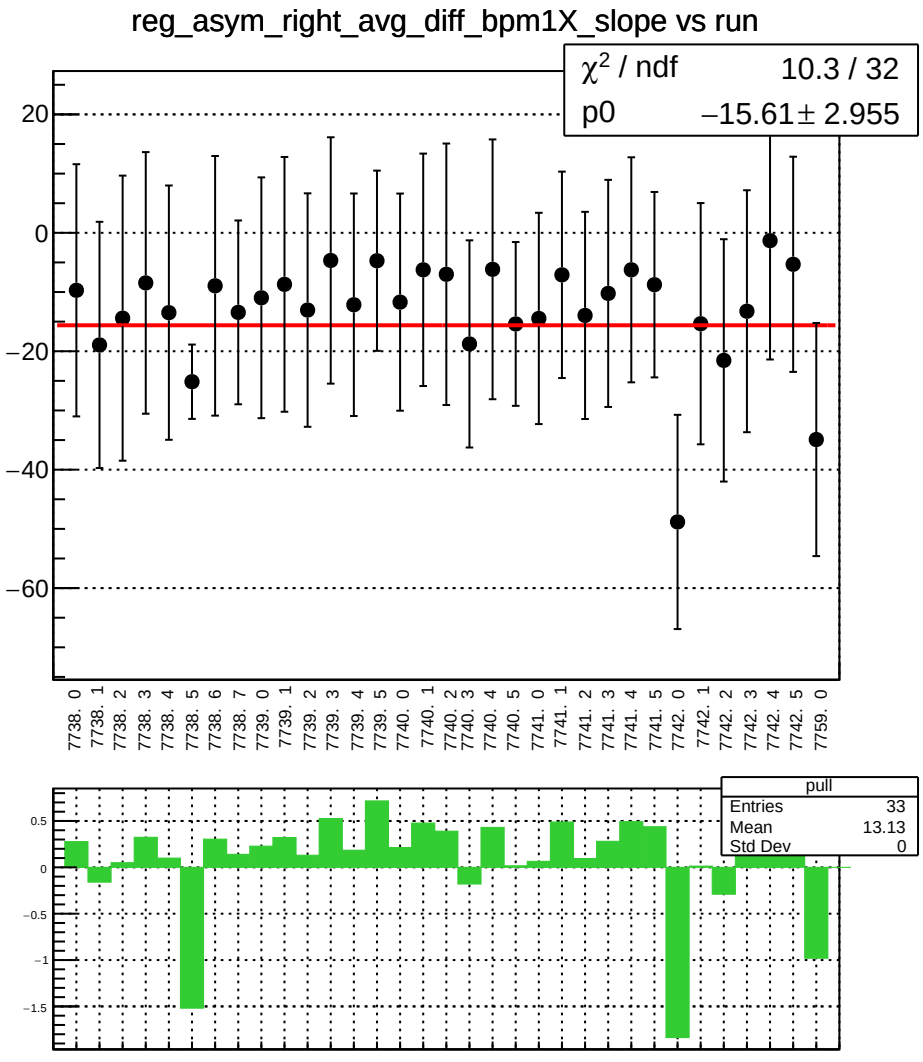

pull1D
Entries 33
Mean −0.002827
Std Dev 0.4318
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

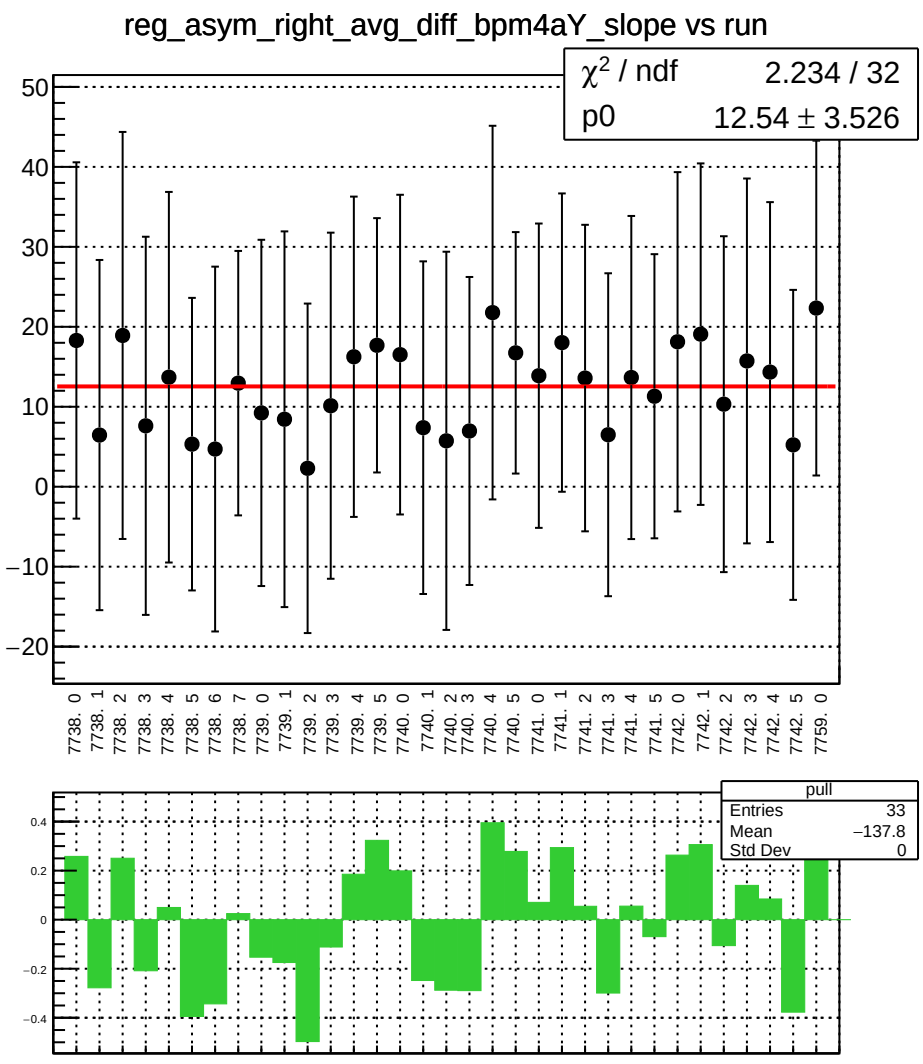

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.78 / 32
p0 −22.91± 1.082
0
−5
−10
−15
−20
−25
−30
−35
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 35.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.1252
Std Dev 0.764
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

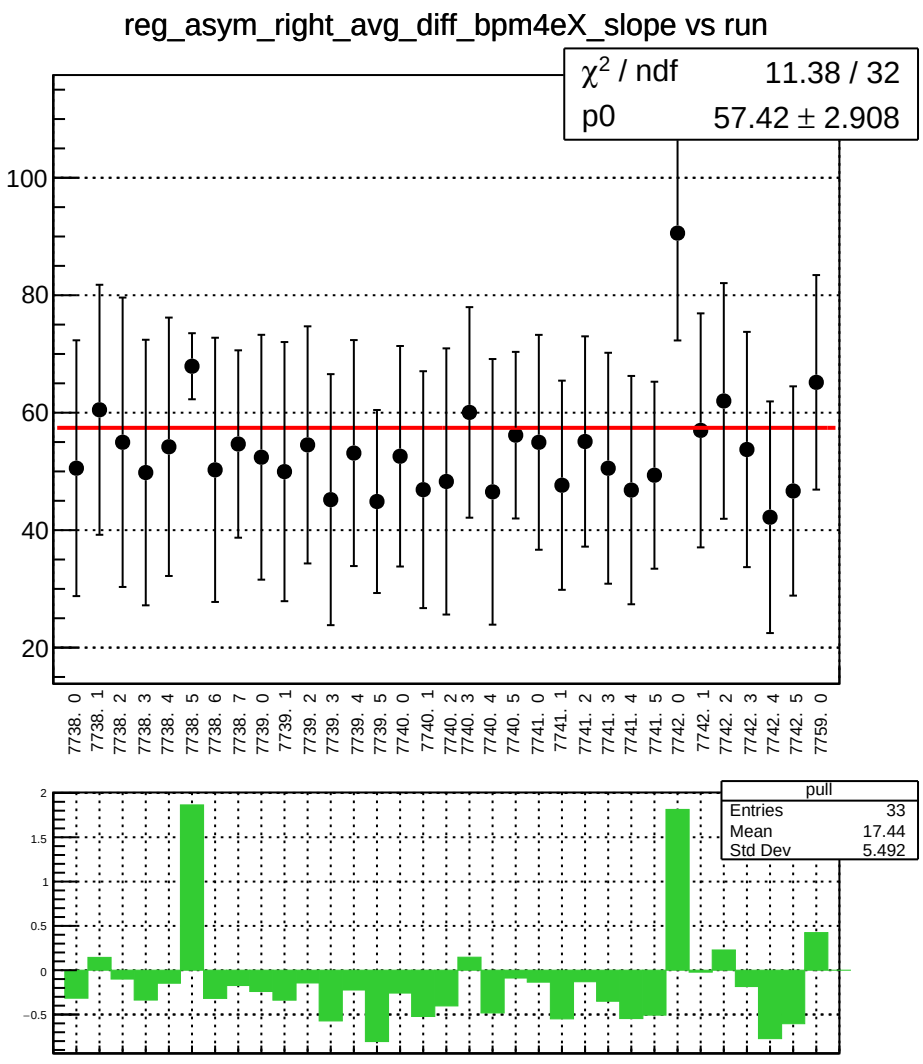

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.07 / 32
p0 2.153 ± 2.355
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 321.5
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.003009
Std Dev 0.4289
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

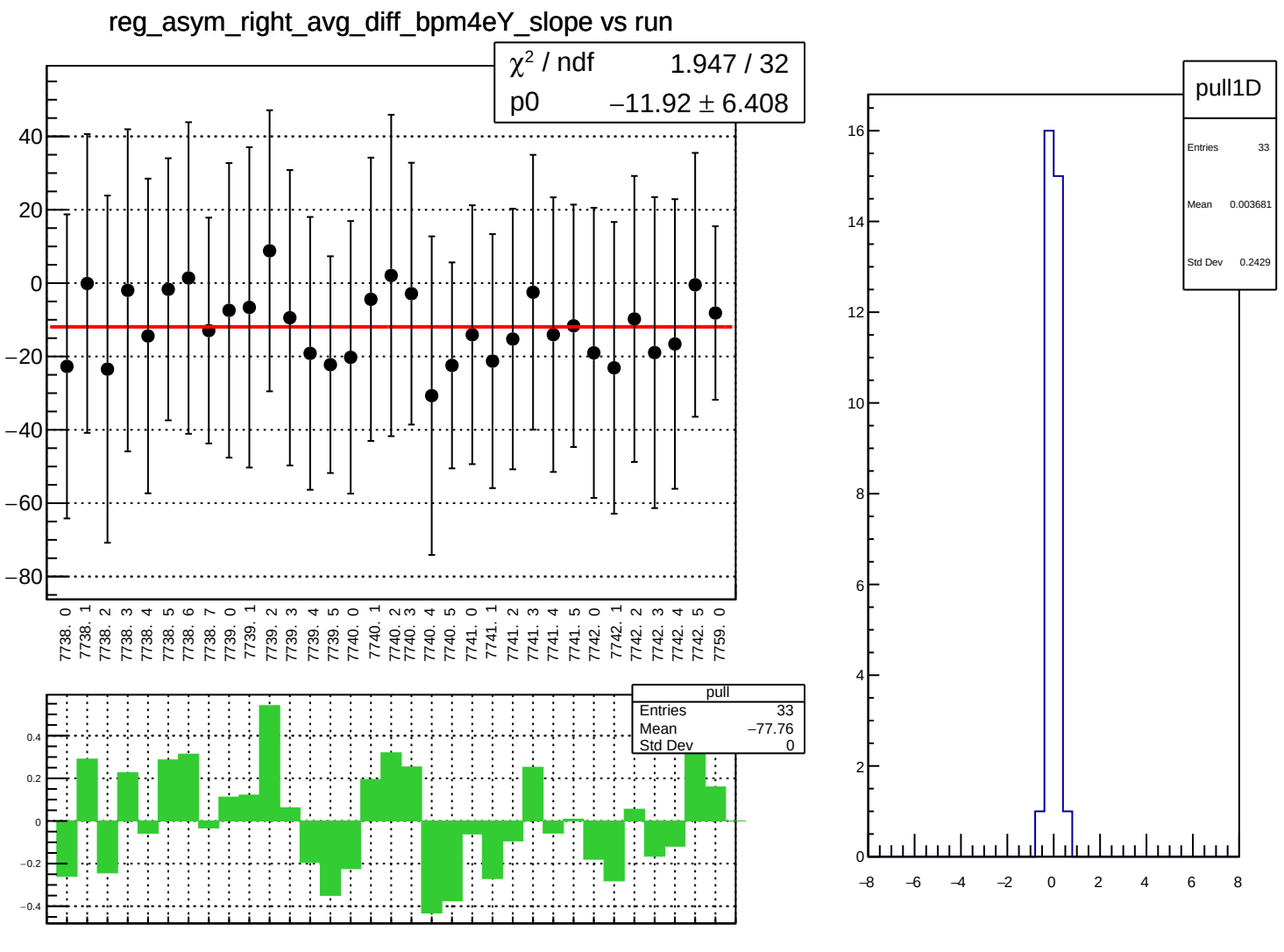

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 28.9 / 32
p0 −18.58 ± 0.07758
−17
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −280.2
Std Dev 0
2
1
0
−1
−2

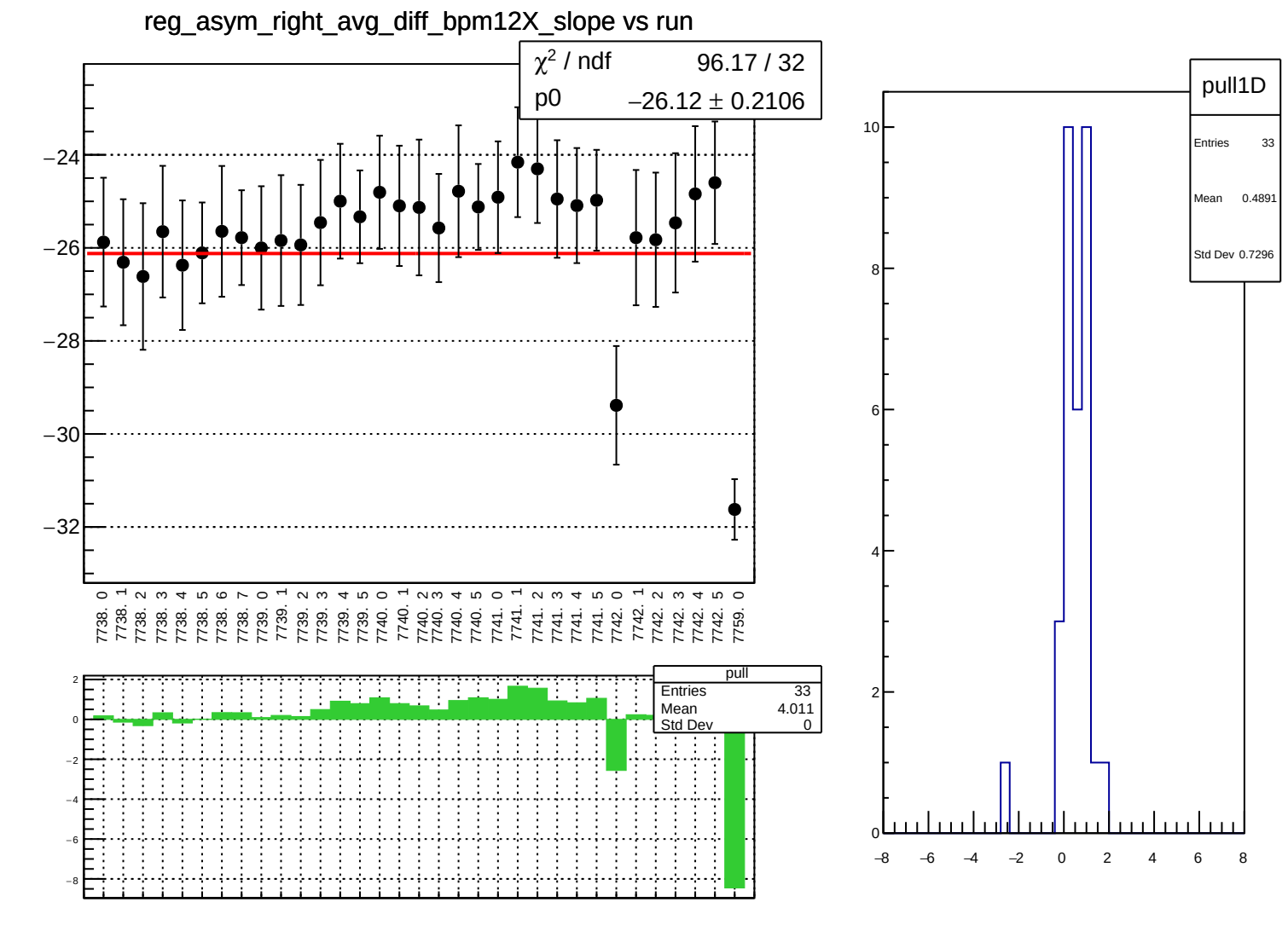

pull1D
Entries 33
Mean −0.003308
Std Dev 0.9358
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

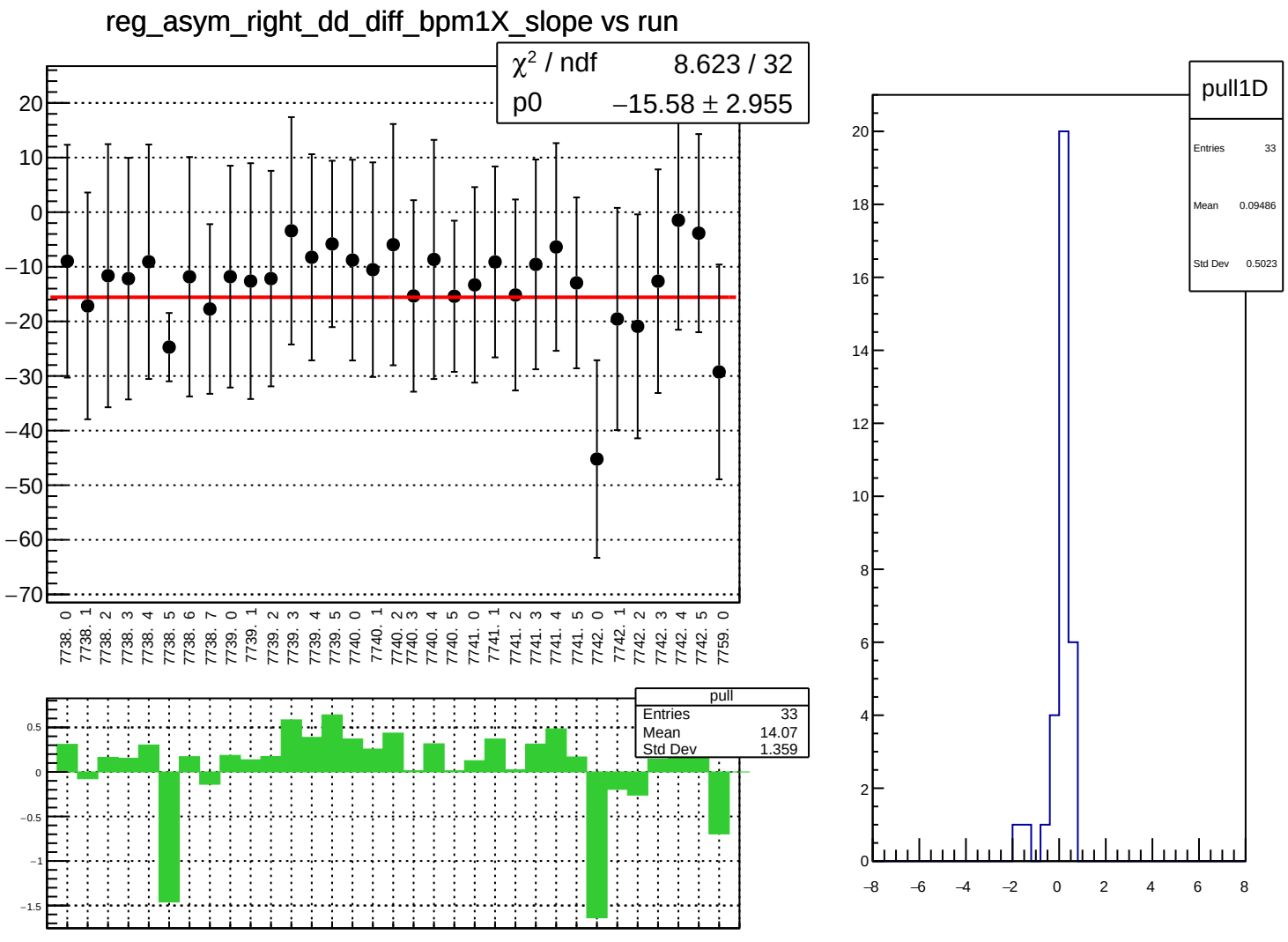

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 10.3 / 32
p0 −15.61± 2.955
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.13
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.09498
Std Dev 0.5506
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

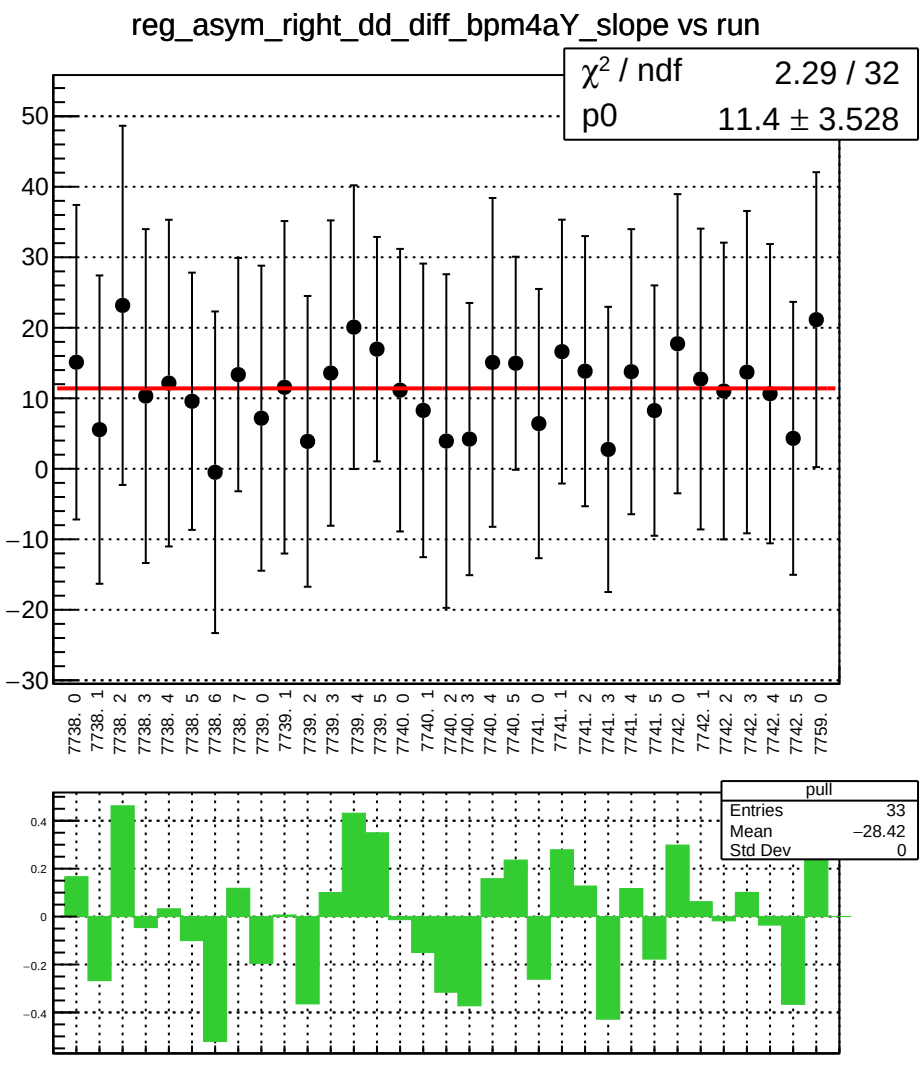

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.234 / 32
p0 12.54 ± 3.526
50
40
30
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −137.8
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.004128
Std Dev 0.2601
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

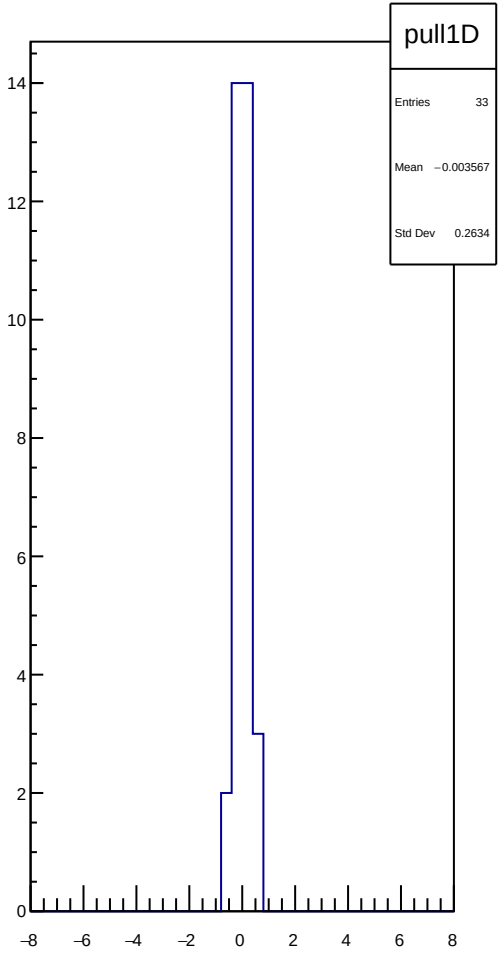

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.38 / 32
p0 57.42 ± 2.908
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.44
Std Dev 5.492
2
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.1406
Std Dev 0.5703
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

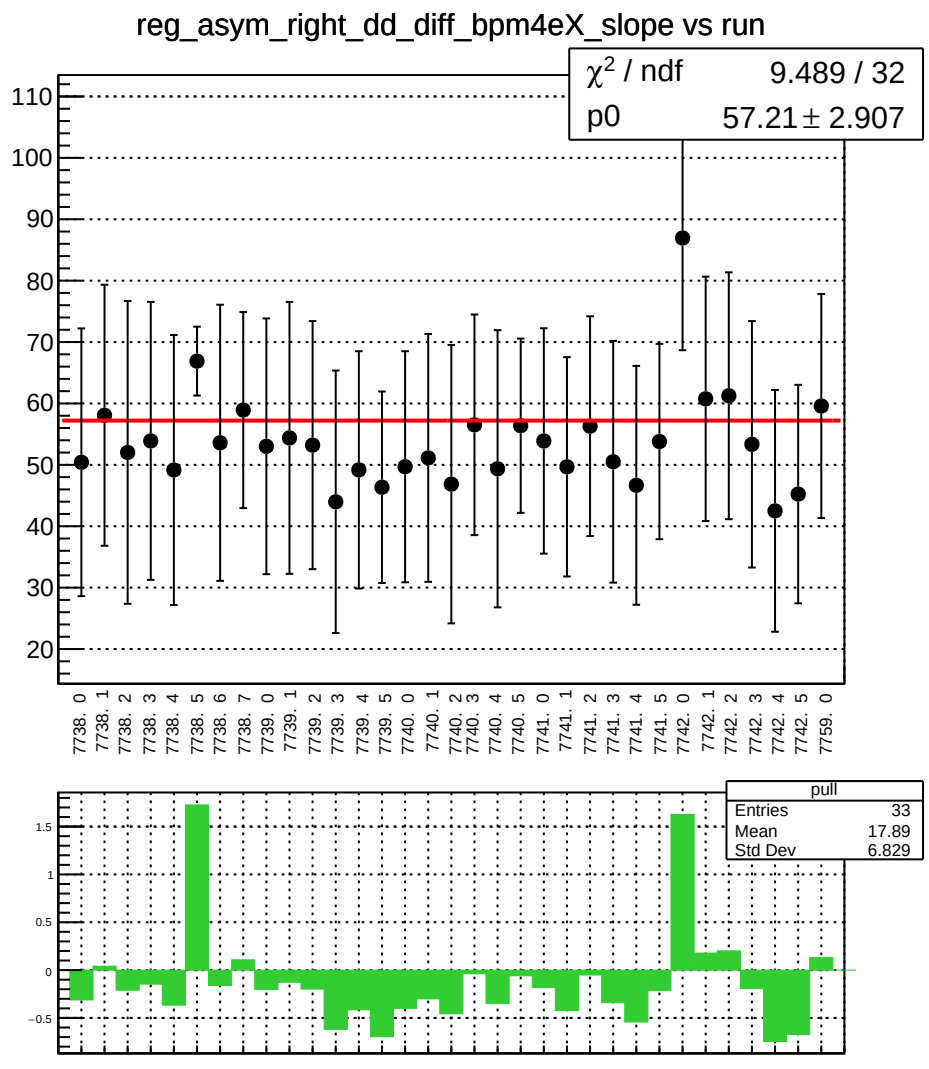

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.947 / 32
p0 −11.92 ± 6.408
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −77.76
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.003681
Std Dev 0.2429
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

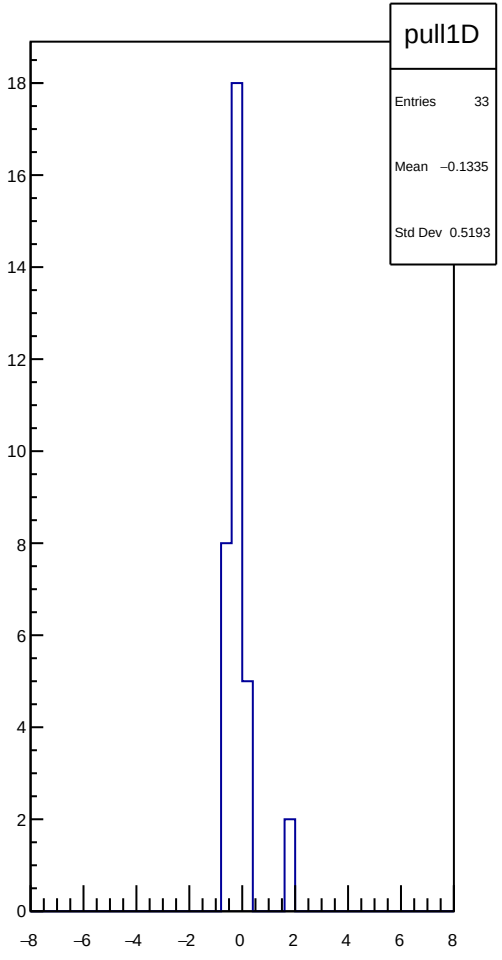

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 96.17 / 32
p0 −26.12 ± 0.2106
−24
−26
−28
−30
−32
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.011
Std Dev 0
2
0
−2
−4
−6
−8
pull1D
Entries 33
Mean 0.4891
Std Dev 0.7296
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

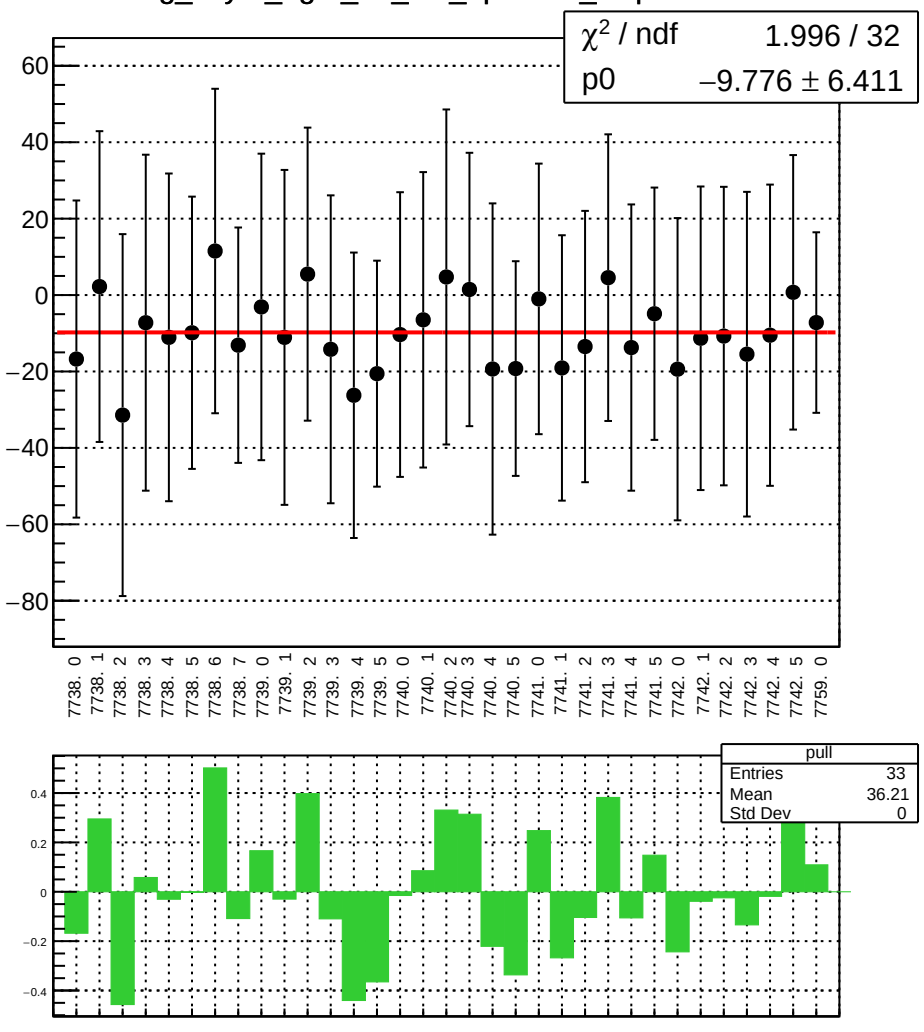

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 8.623 / 32
p0 −15.58 ± 2.955
pull
Entries 33
Mean 14.07
Std Dev 1.359
pull1D
Entries 33
Mean 0.09486
Std Dev 0.5023

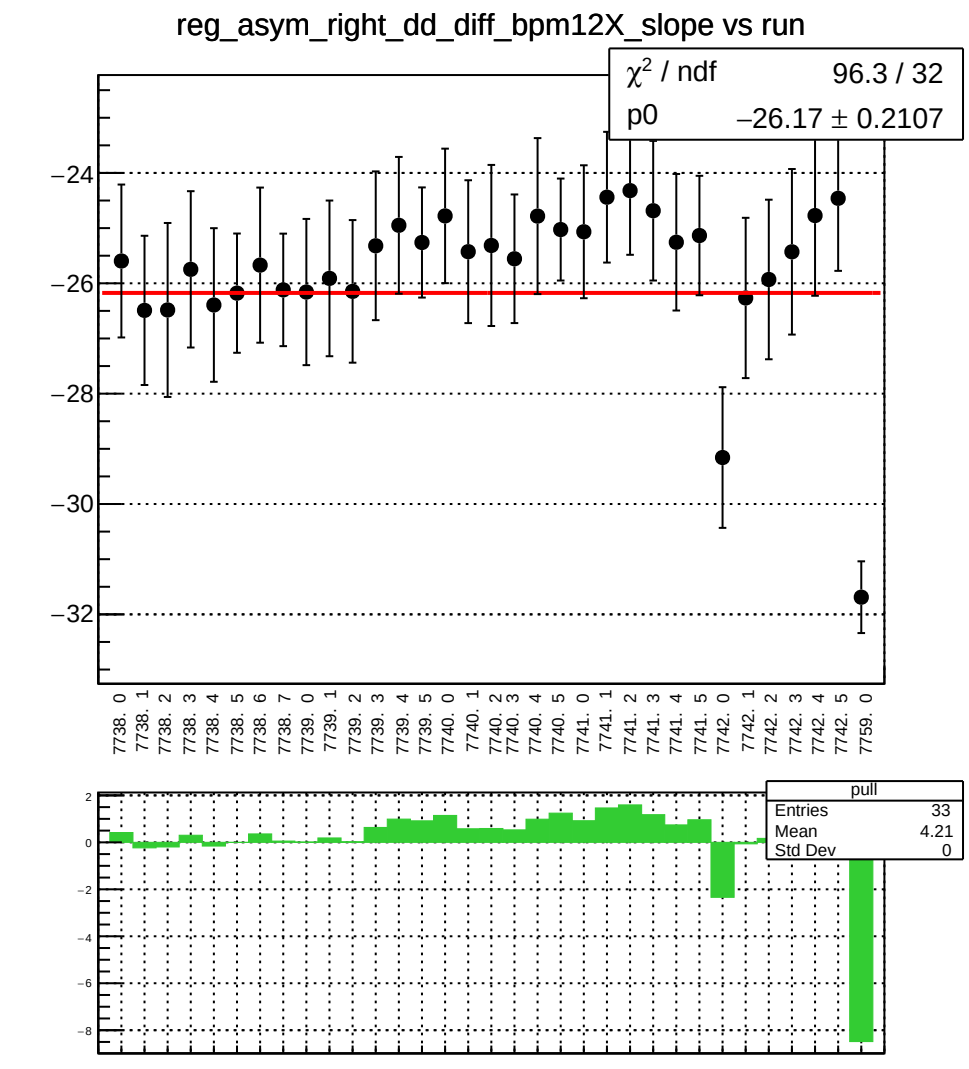

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.29 / 32
p0 11.4 ± 3.528
50
40
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −28.42
Std Dev 0
0.4
0.2
0
−0.2
−0.4

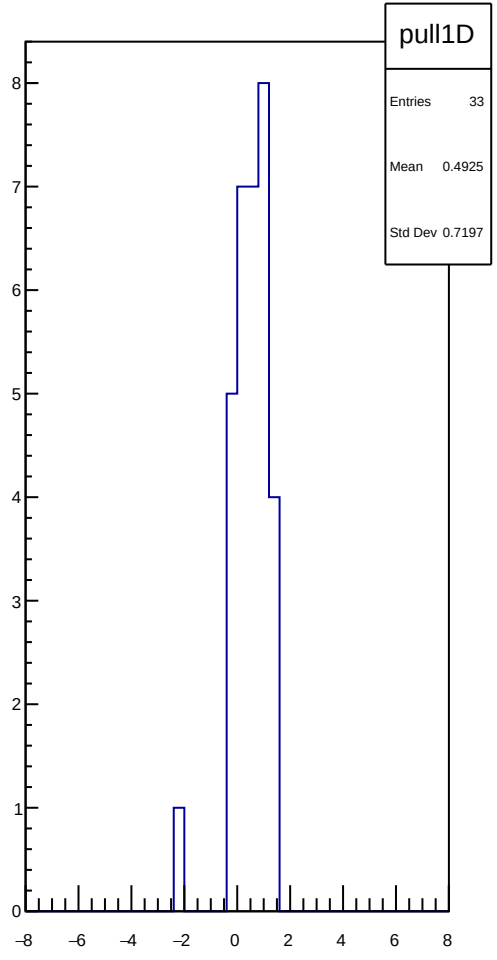

pull1D
Entries 33
Mean −0.003567
Std Dev 0.2634
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

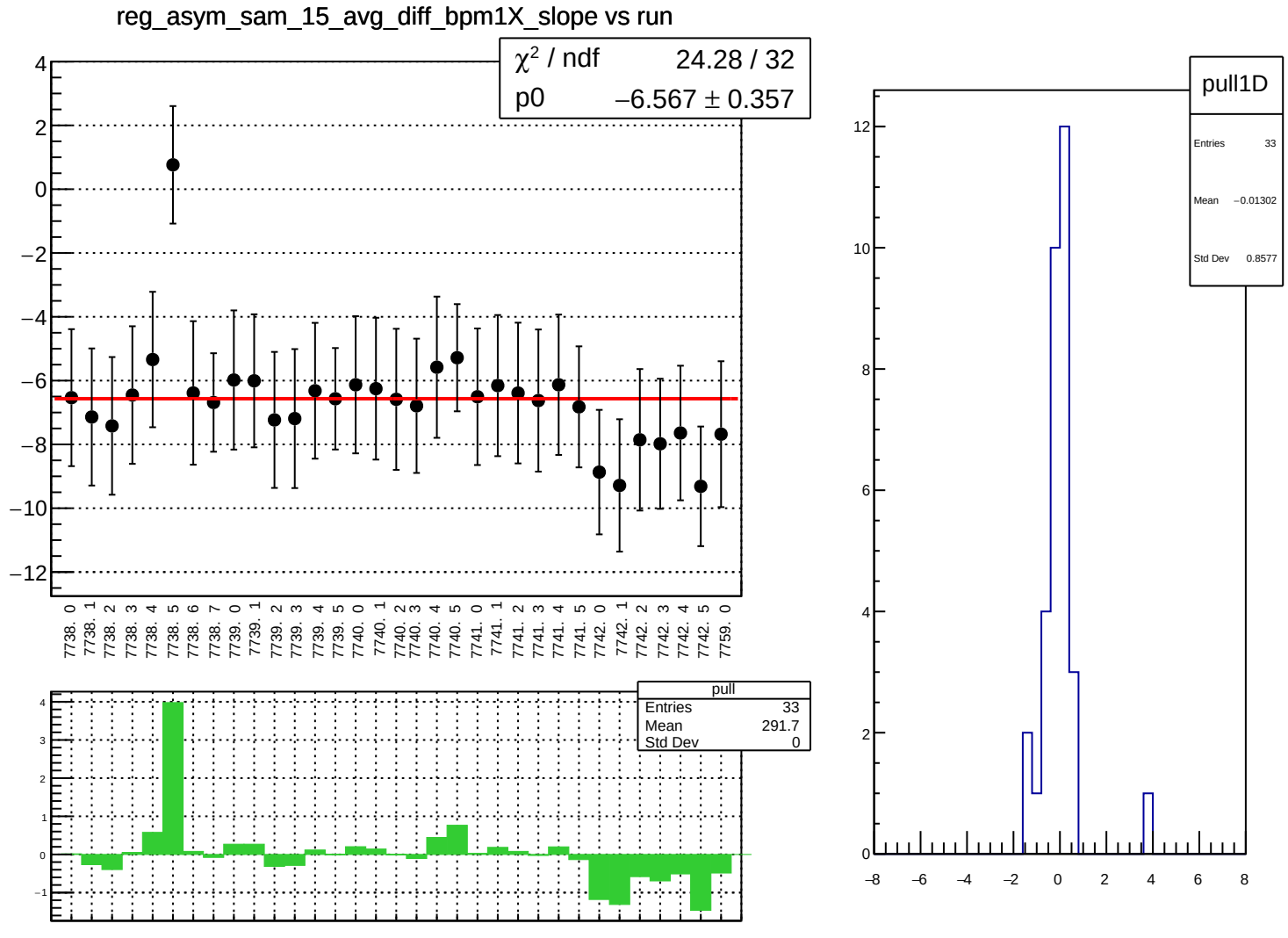

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.489 / 32
p0 57.21 ± 2.907
110
100
90
80
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.89
Std Dev 6.829
1.5
1
0.5
0
−0.5

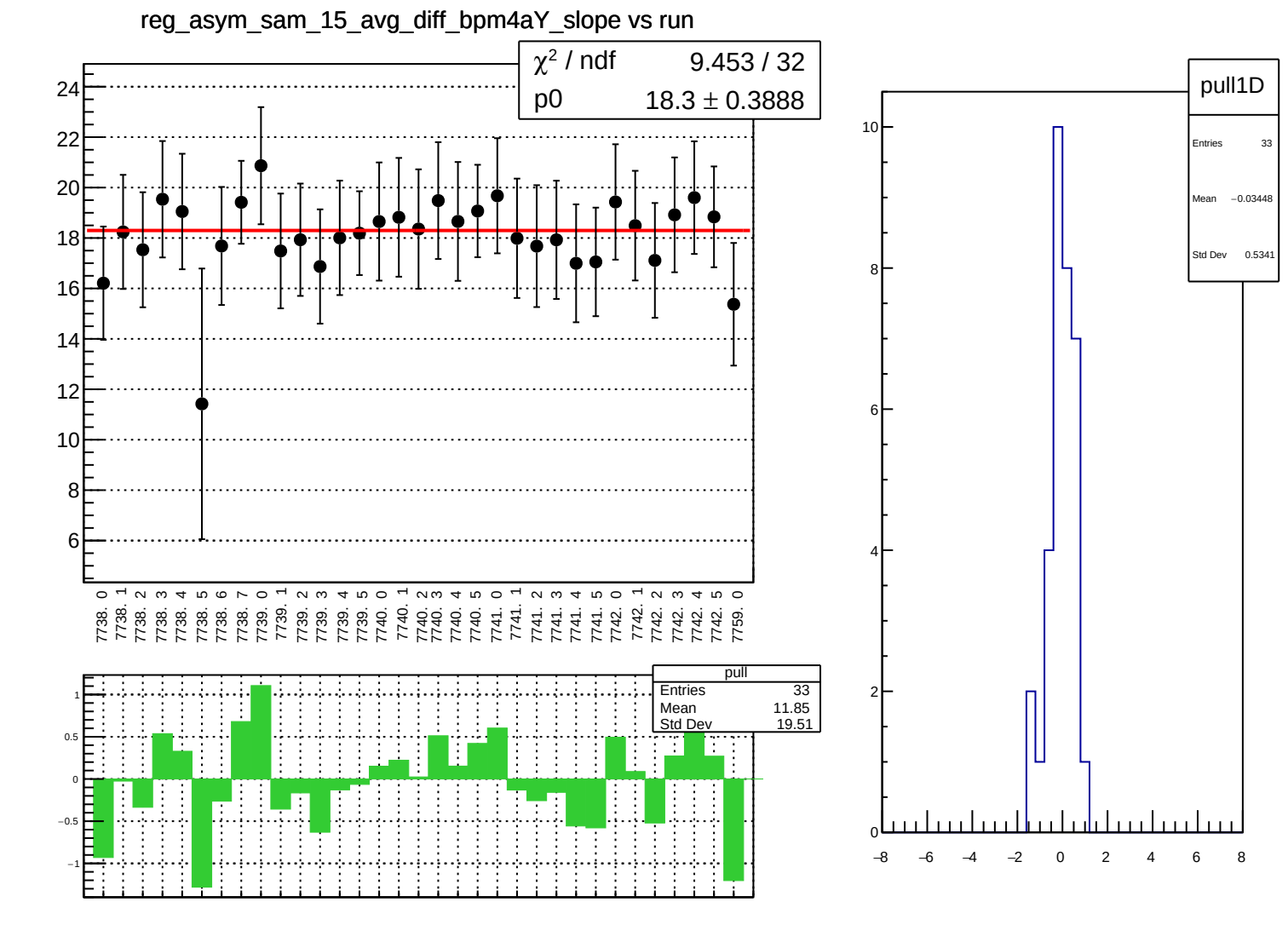

pull1D
Entries 33
Mean −0.1335
Std Dev 0.5193
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

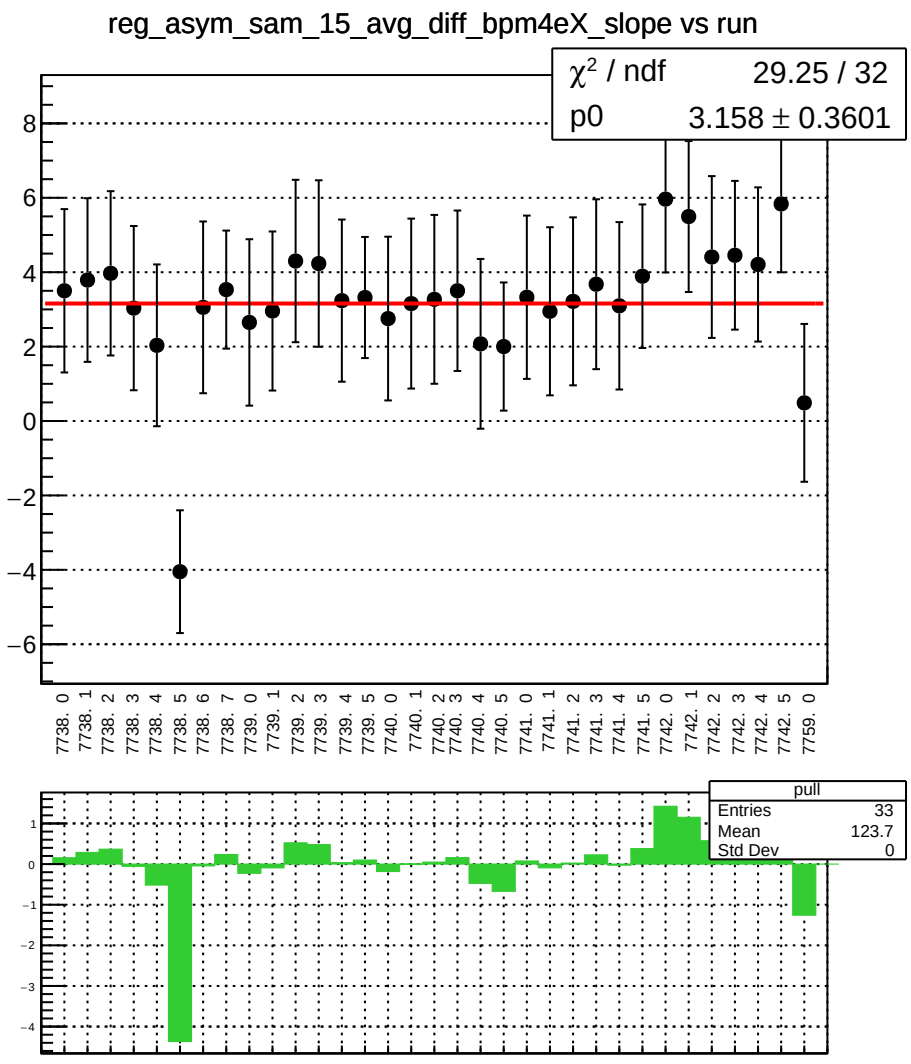

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.996 / 32
p0 −9.776 ± 6.411
pull
Entries 33
Mean 36.21
Std Dev 0
pull1D
Entries 33
Mean 0.003262
Std Dev 0.2459

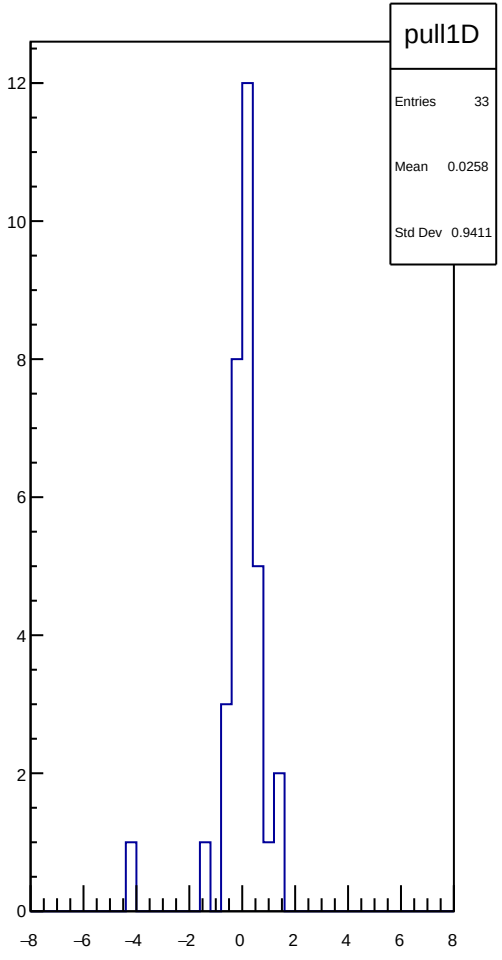

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 96.3 / 32
p0 −26.17 ± 0.2107
−24
−26
−28
−30
−32
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.21
Std Dev 0
2
0
−2
−4
−6
−8

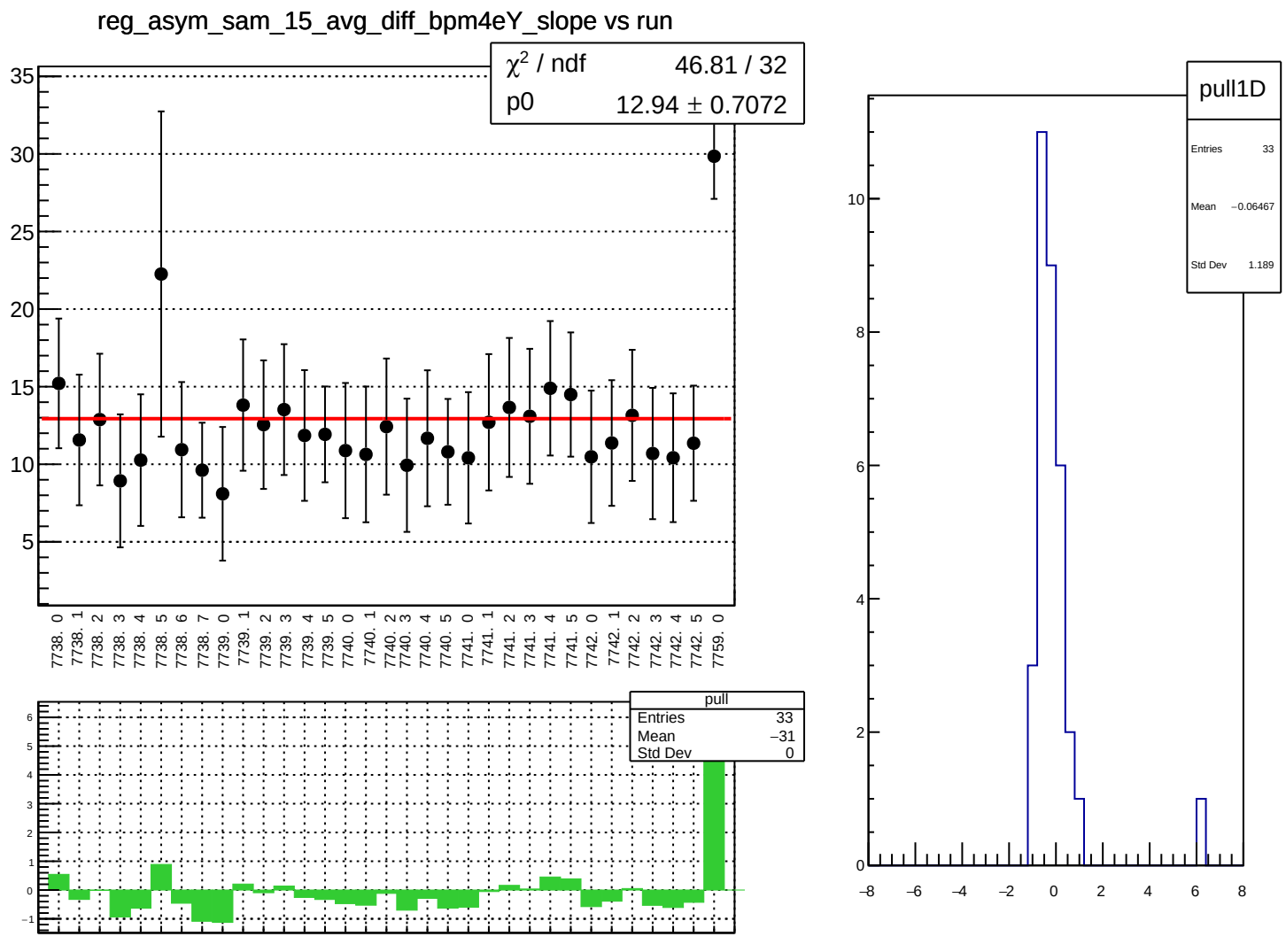

pull1D
Entries 33
Mean 0.4925
Std Dev 0.7197
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

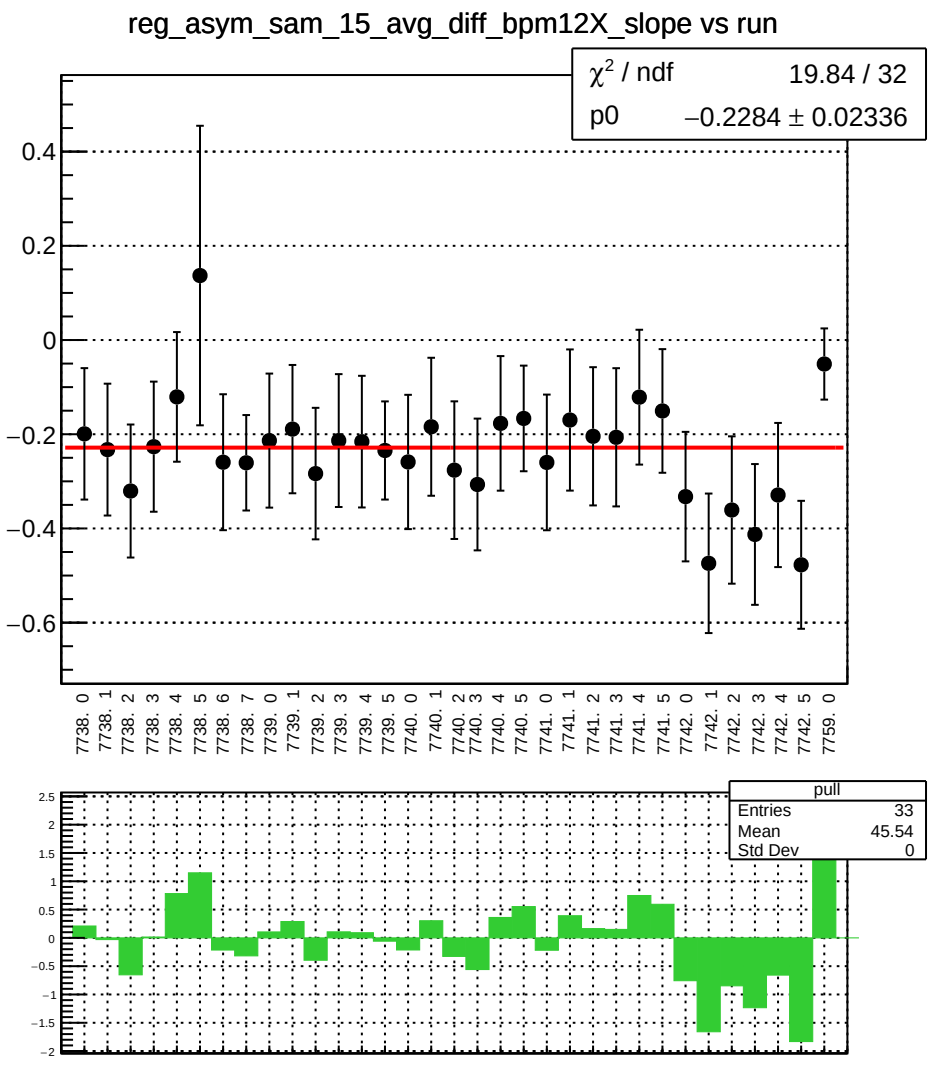

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 24.28 / 32
p0 −6.567 ± 0.357
pull
Entries 33
Mean 291.7
Std Dev 0
pull1D
Entries 33
Mean −0.01302
Std Dev 0.8577

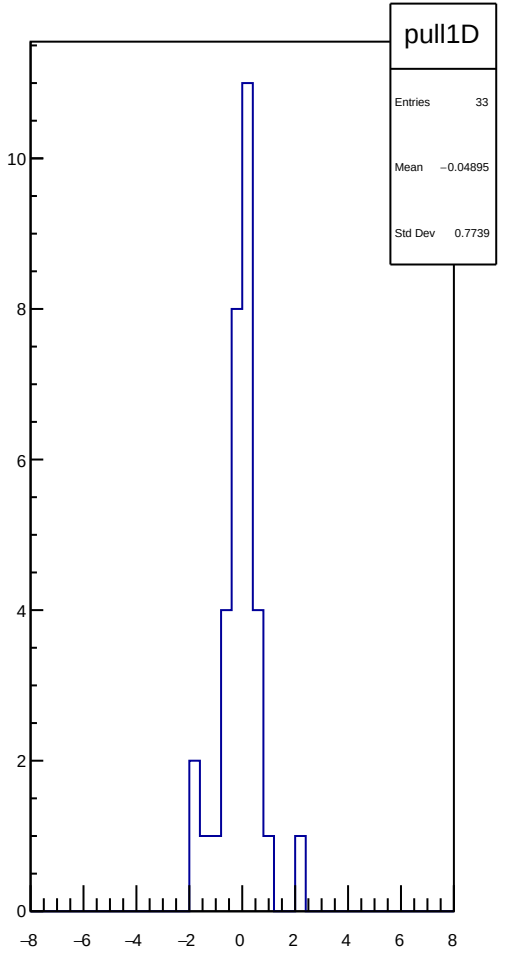

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.453 / 32
p0 18.3 ± 0.3888
pull
Entries 33
Mean 11.85
Std Dev 19.51
pull1D
Entries 33
Mean −0.03448
Std Dev 0.5341

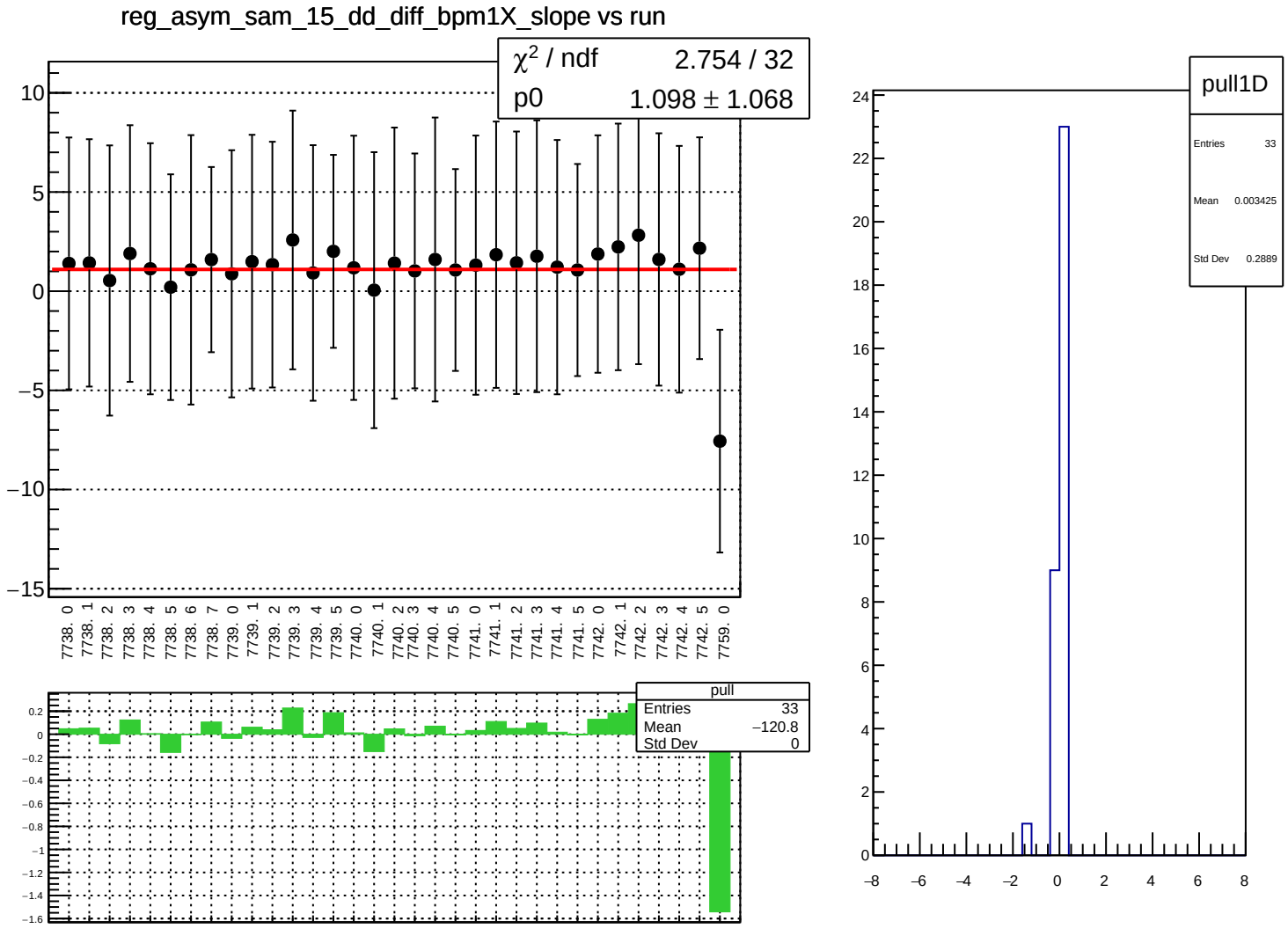

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.25 / 32
p0 3.158 ± 0.3601
pull
Entries 33
Mean 123.7
Std Dev 0

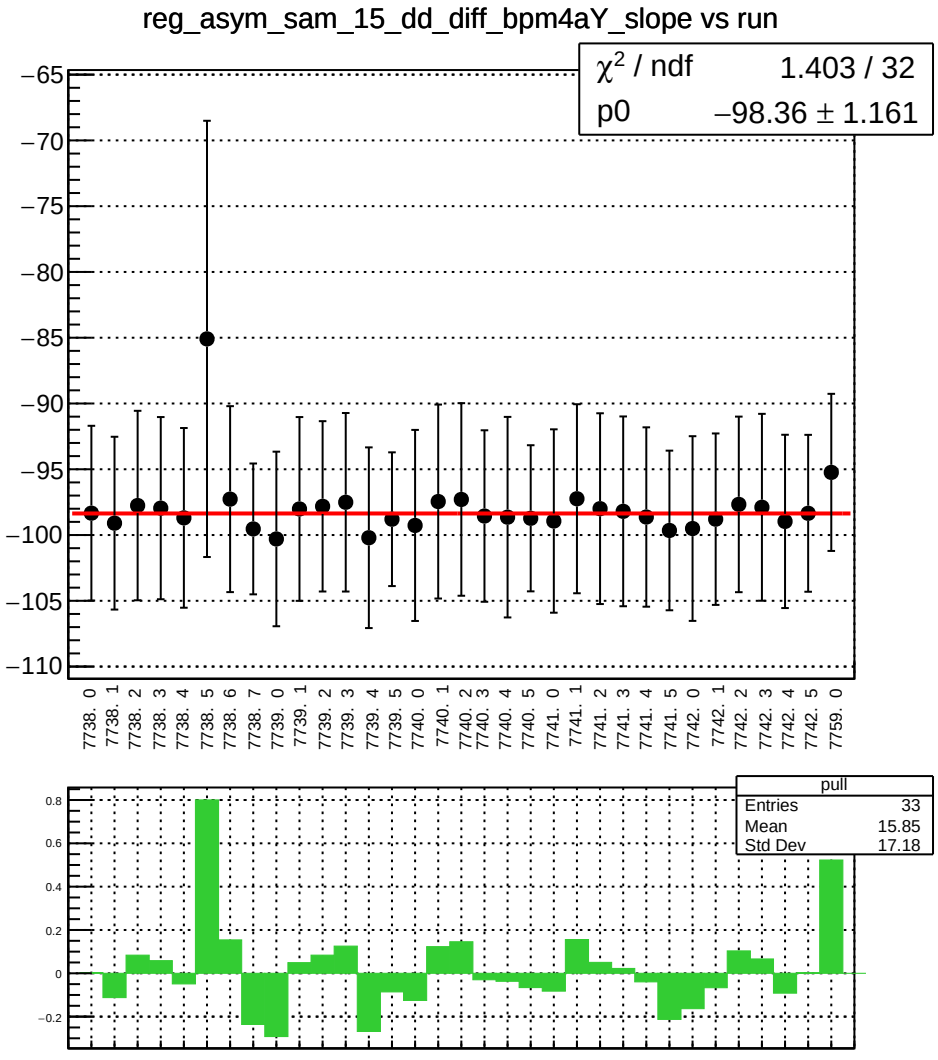

pull1D
Entries 33
Mean 0.0258
Std Dev 0.9411

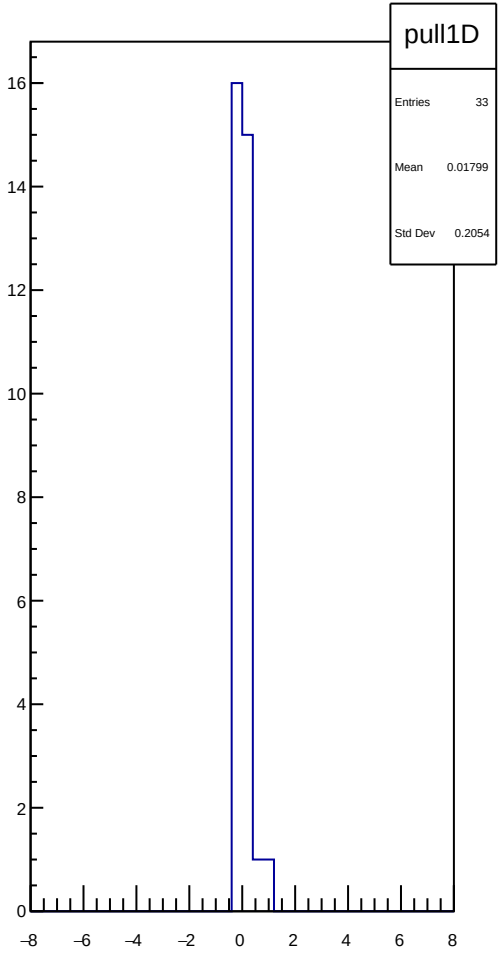

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.81 / 32
p0 12.94 ± 0.7072
pull
Entries 33
Mean −31
Std Dev 0
pull1D
Entries 33
Mean −0.06467
Std Dev 1.189

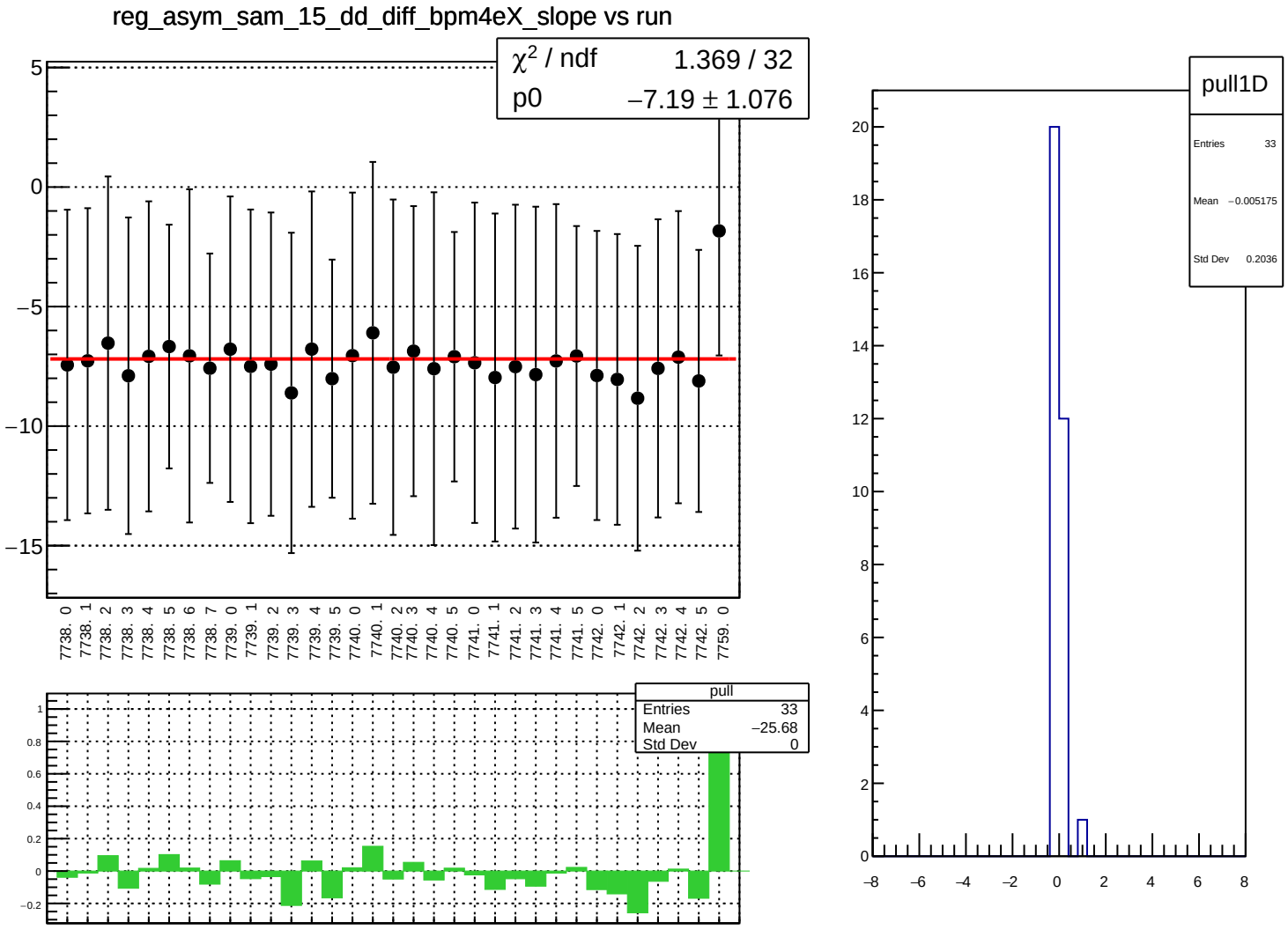

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 19.84 / 32
p0 −0.2284 ± 0.02336
0.4
0.2
0
−0.2
−0.4
−0.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 45.54
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

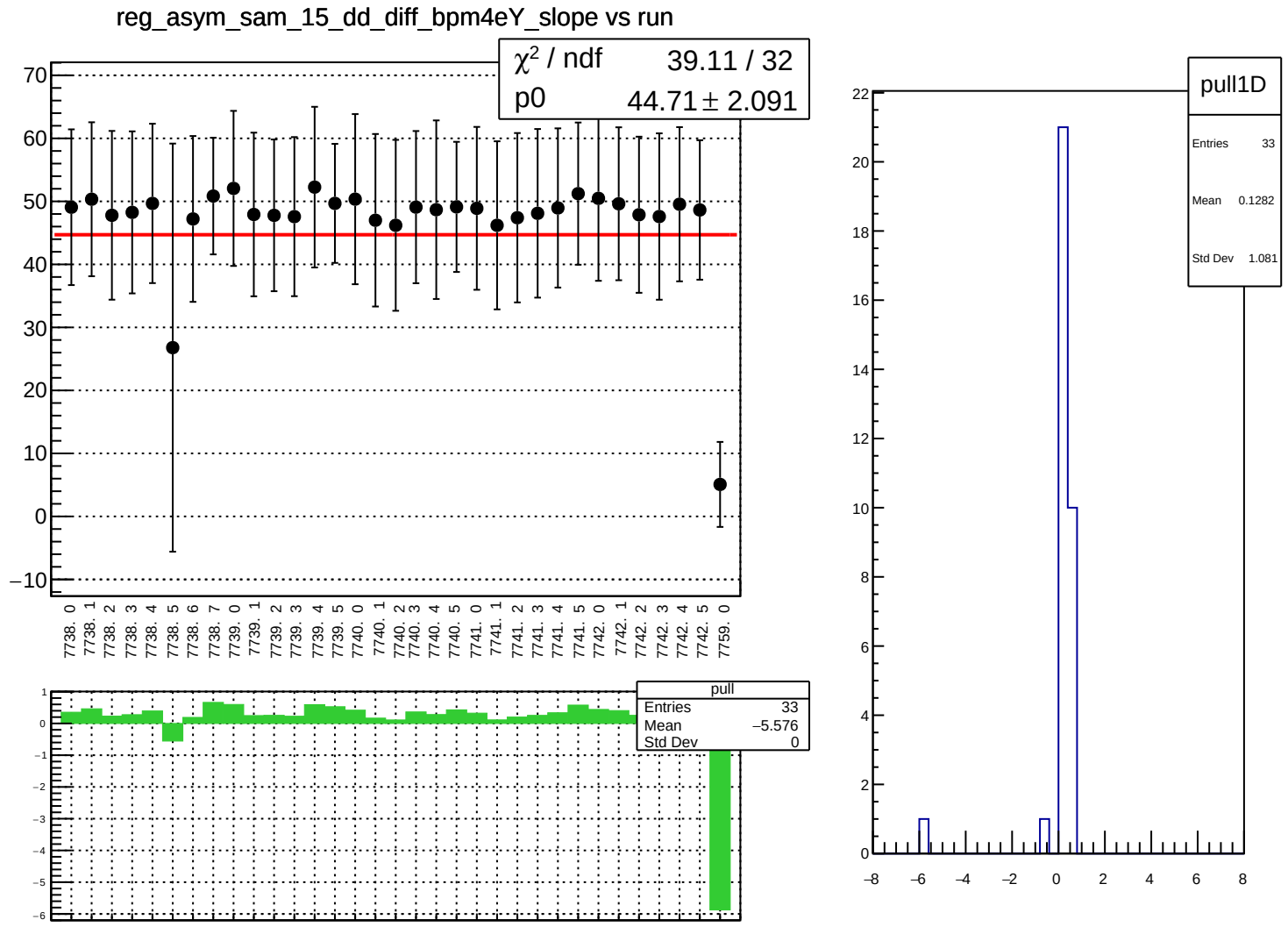

pull1D
Entries 33
Mean −0.04895
Std Dev 0.7739
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

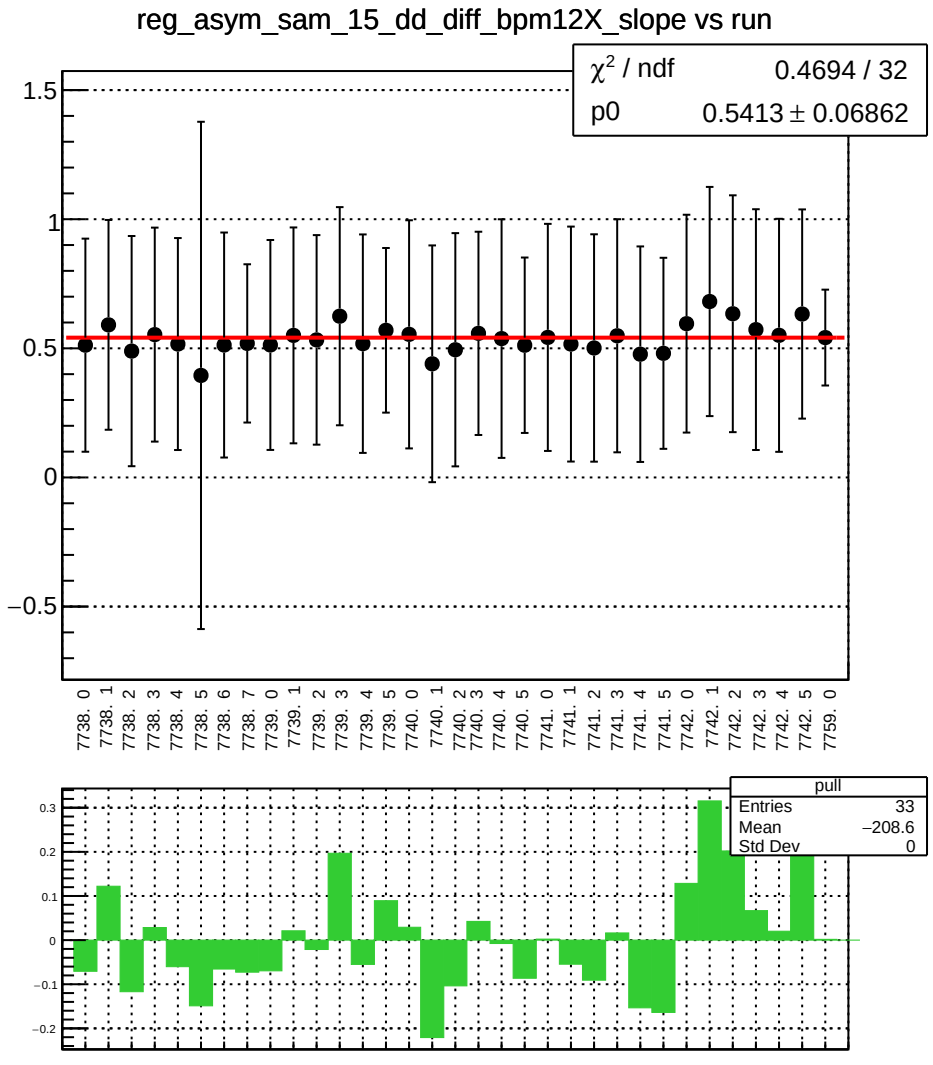

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.754 / 32
p0 1.098 ± 1.068
pull
Entries 33
Mean −120.8
Std Dev 0
pull1D
Entries 33
Mean 0.003425
Std Dev 0.2889

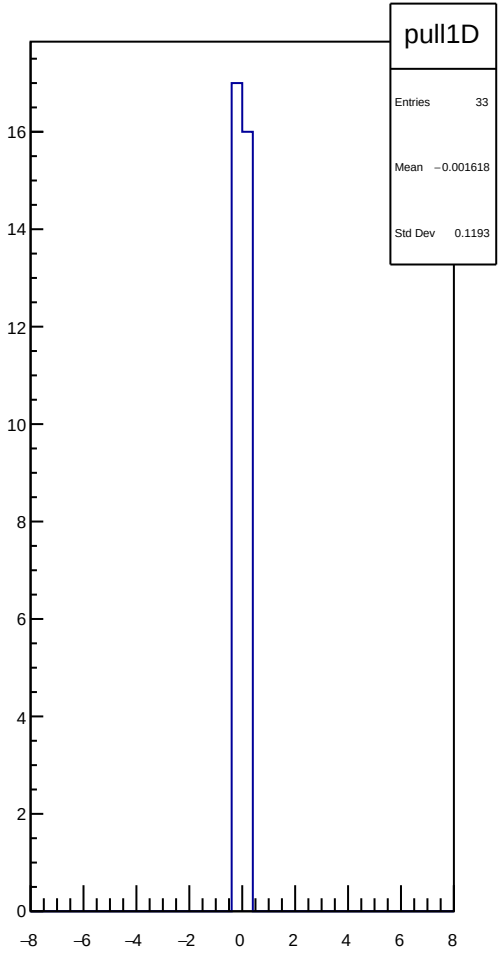

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.403 / 32
p0 −98.36 ± 1.161
−65
−70
−75
−80
−85
−90
−95
−100
−105
−110
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.85
Std Dev 17.18
0.8
0.6
0.4
0.2
0
−0.2

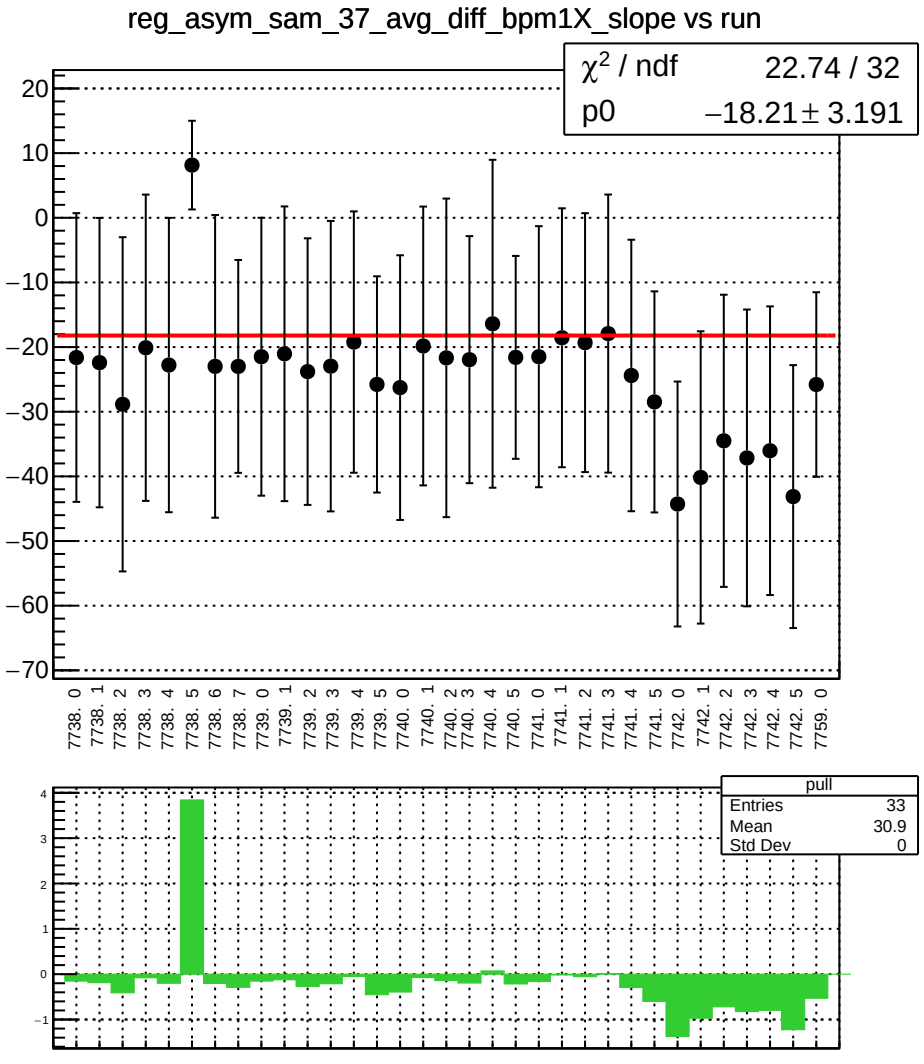

pull1D
Entries 33
Mean 0.01799
Std Dev 0.2054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

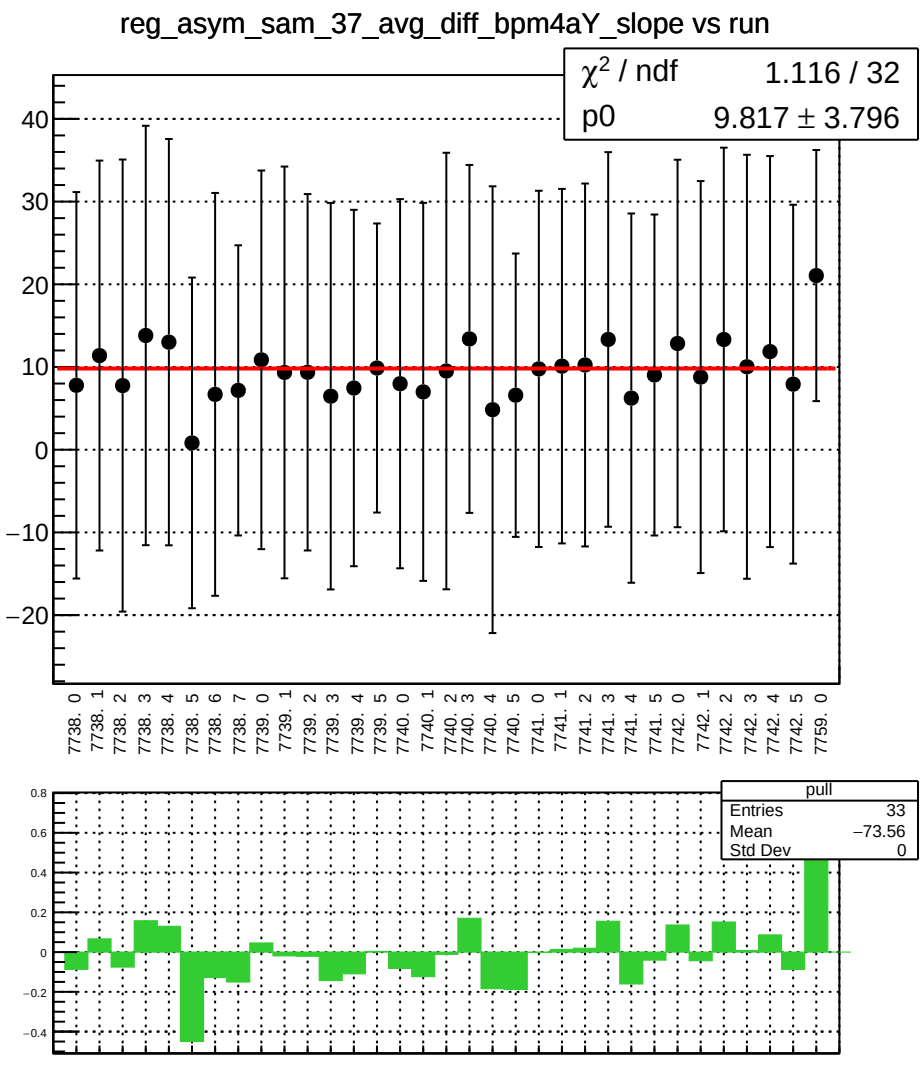

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.369 / 32
p0 −7.19 ± 1.076
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.68
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
pull1D
Entries 33
Mean −0.005175
Std Dev 0.2036
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

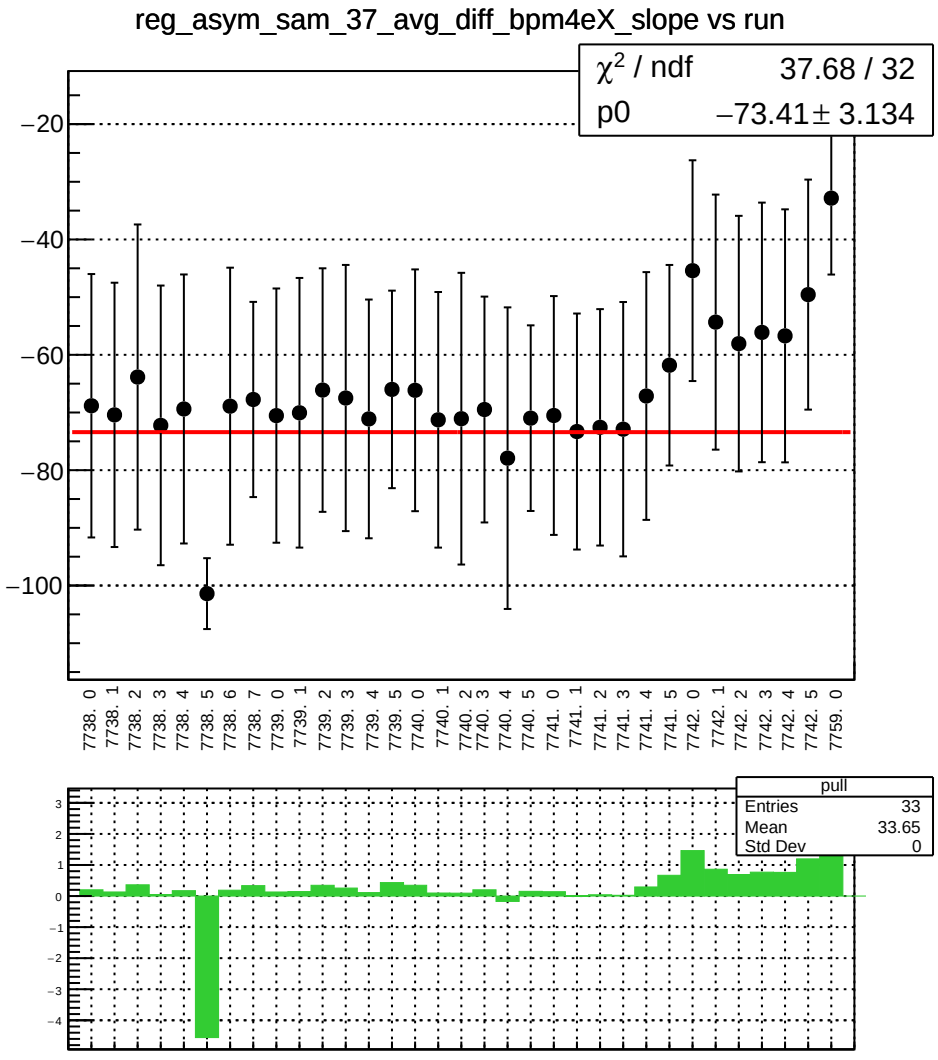

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.11 / 32
p0 44.71 ± 2.091
pull
Entries 33
Mean −5.576
Std Dev 0
pull1D
Entries 33
Mean 0.1282
Std Dev 1.081

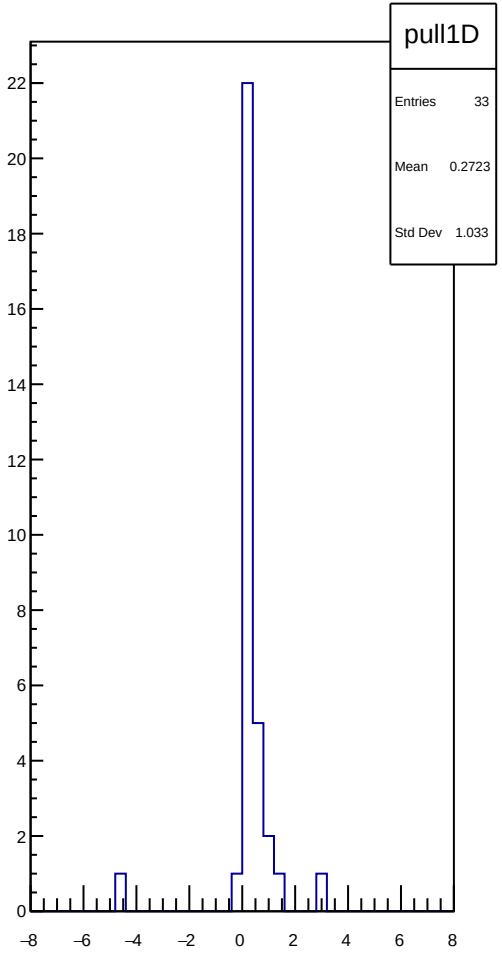

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.4694 / 32
p0 0.5413 ± 0.06862
1.5
1
0.5
0
−0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −208.6
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2

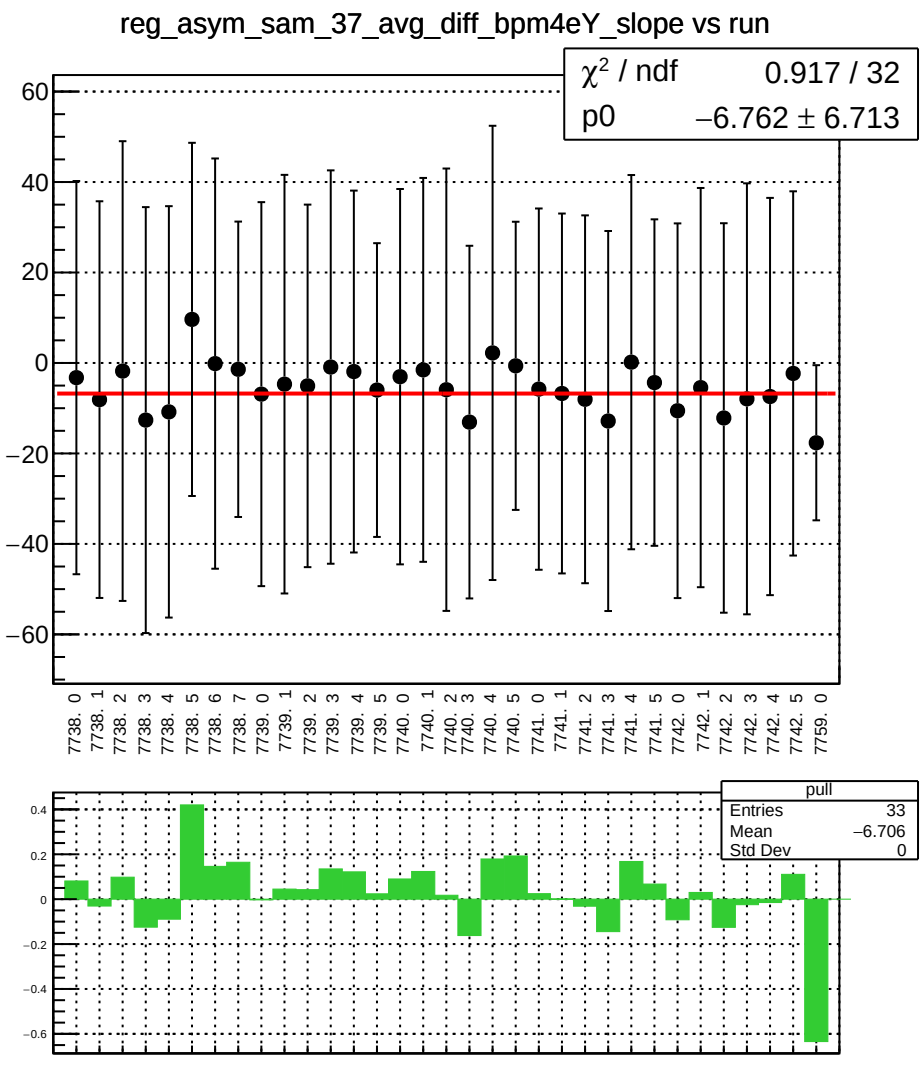

pull1D
Entries 33
Mean −0.001618
Std Dev 0.1193
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

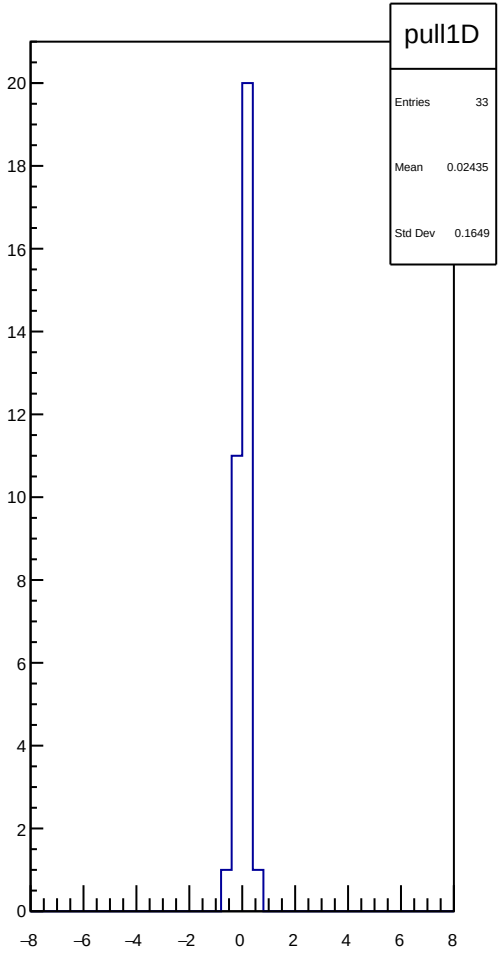

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 22.74 / 32
p0 −18.21 ± 3.191
pull
Entries 33
Mean 30.9
Std Dev 0
pull1D
Entries 33
Mean −0.2258
Std Dev 0.7987

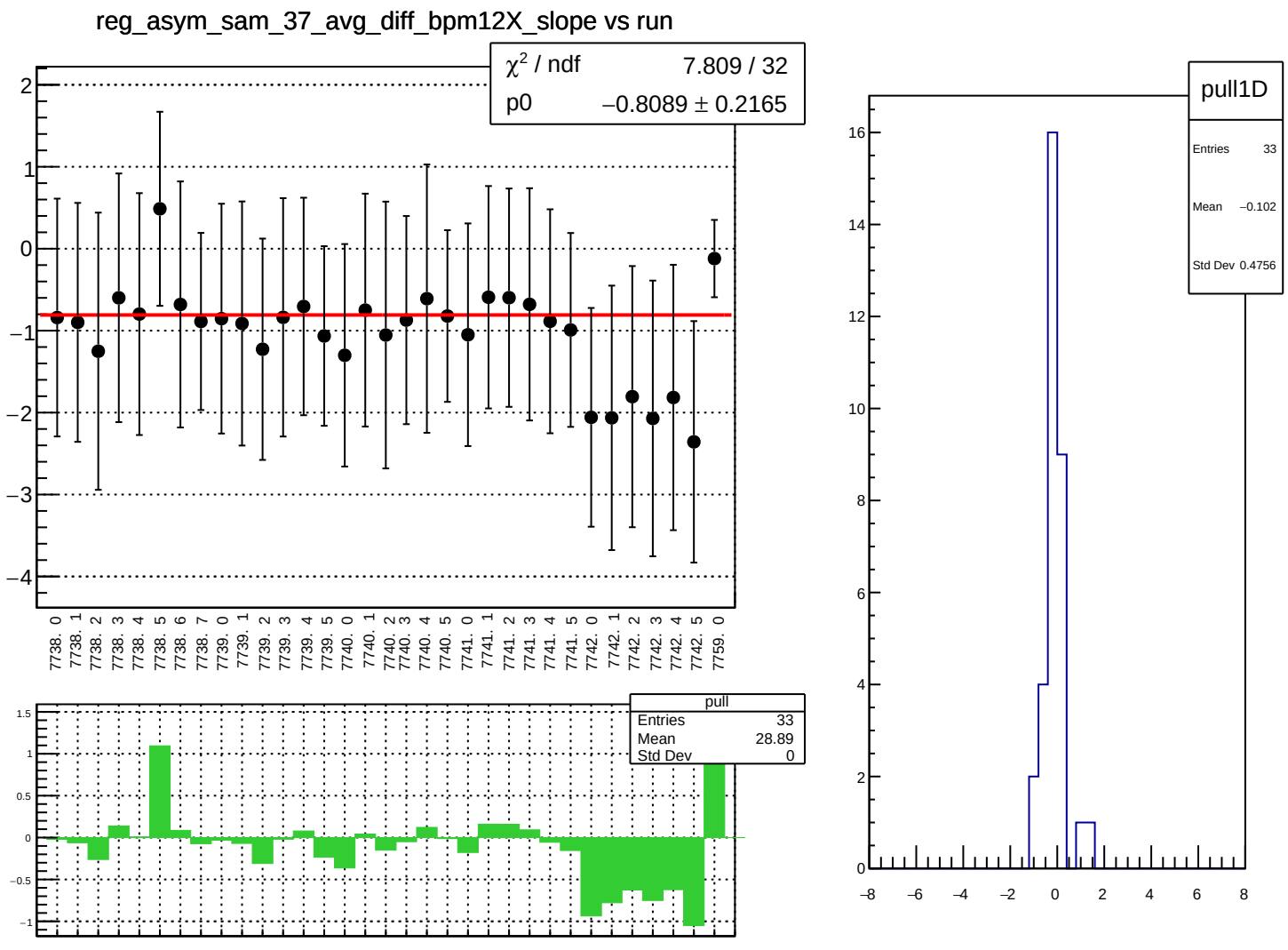

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.116 / 32
p0 9.817 ± 3.796
40
30
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −73.56
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.006784
Std Dev 0.1837
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

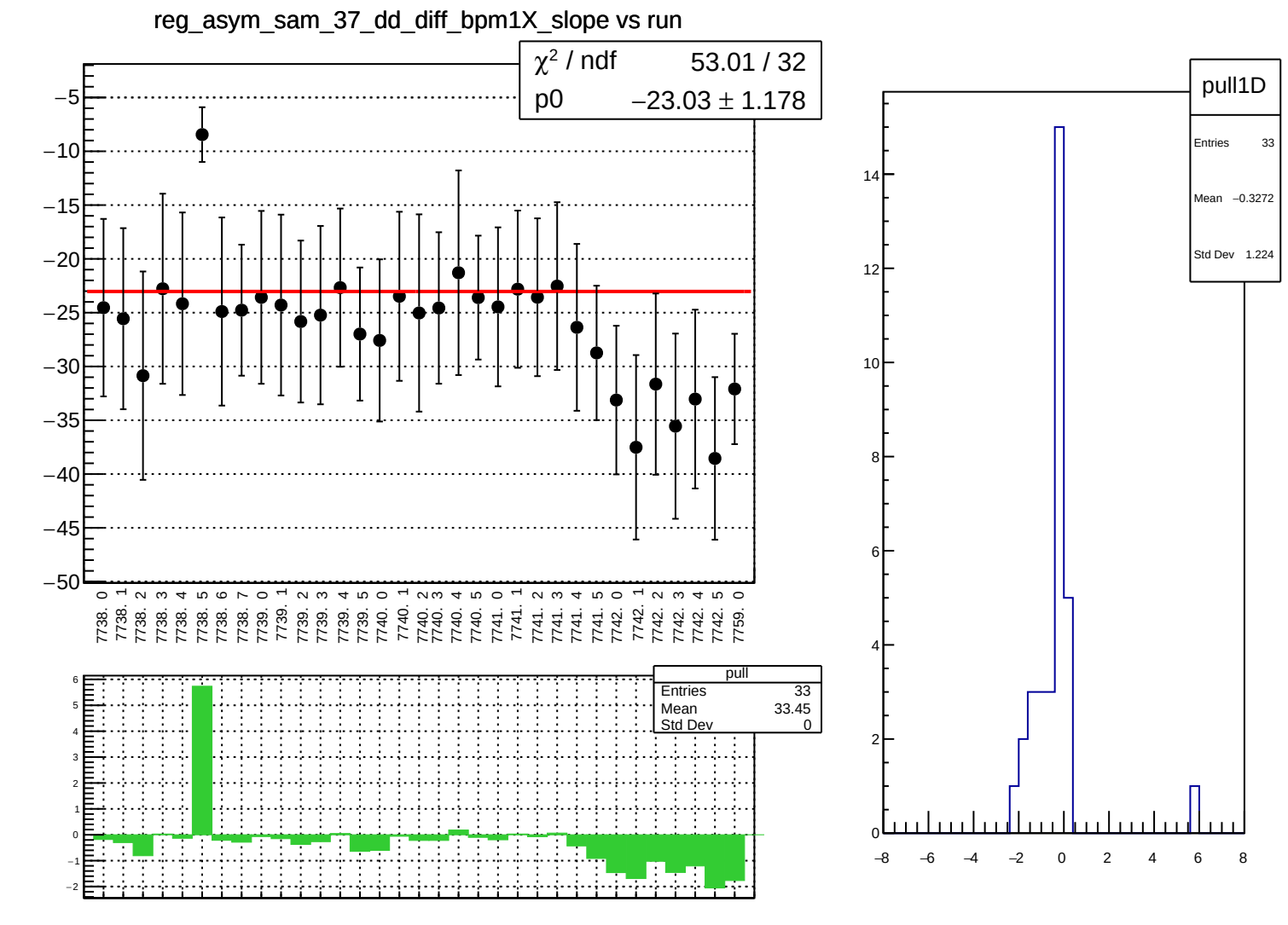

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.68 / 32
p0 −73.41± 3.134
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.65
Std Dev 0
3
2
1
0
−1
−2
−3
−4

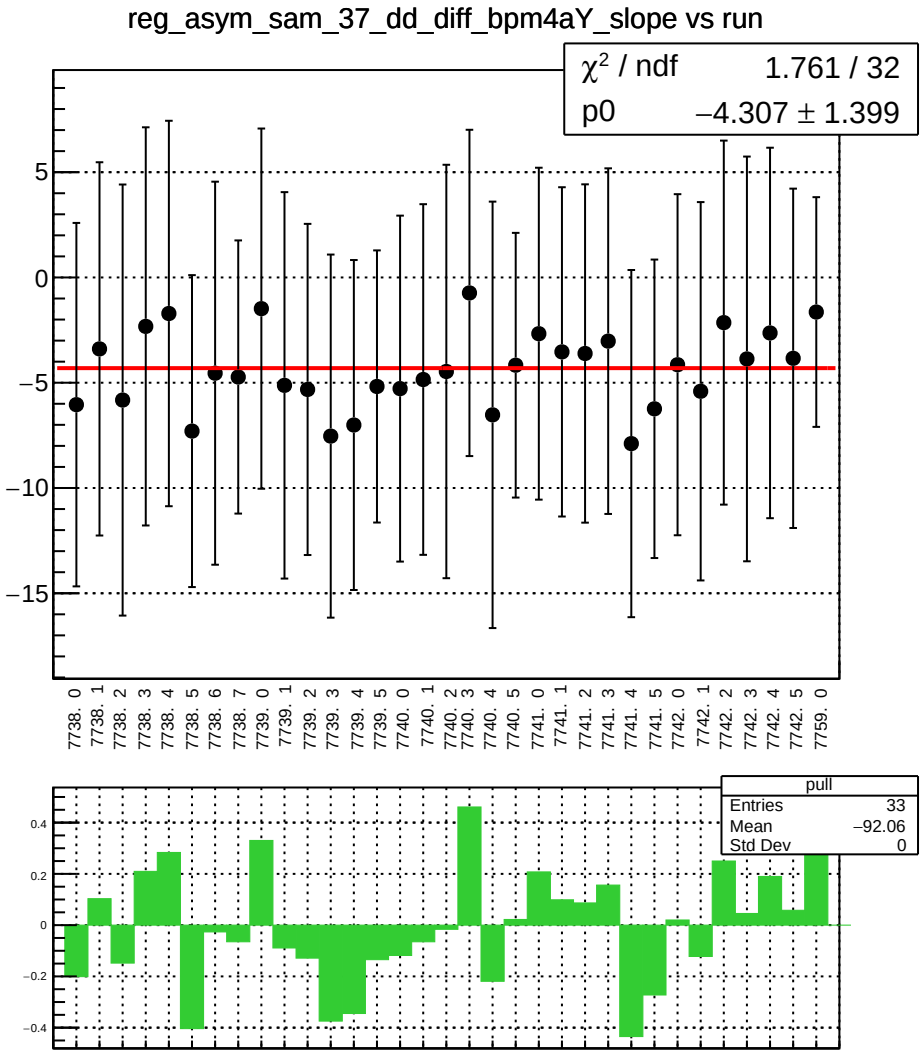

pull1D
Entries 33
Mean 0.2723
Std Dev 1.033
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

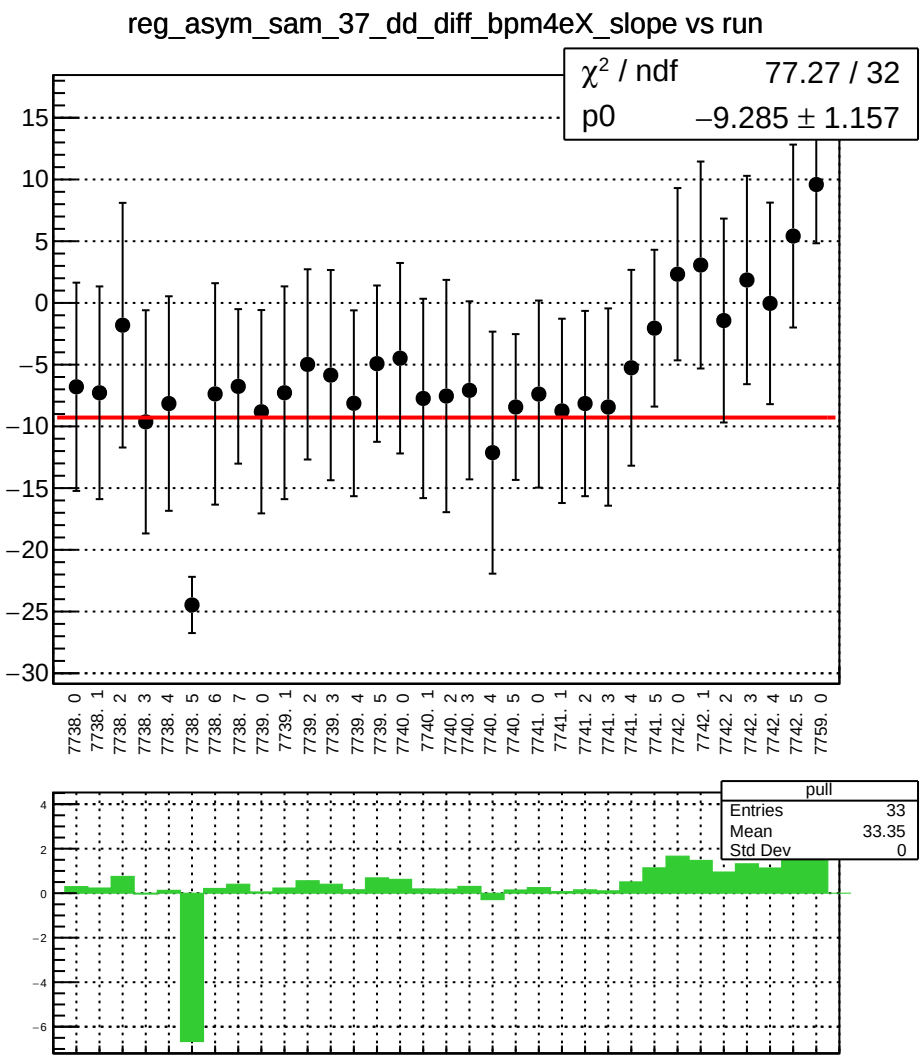

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.917 / 32
p0 −6.762 ± 6.713
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.706
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

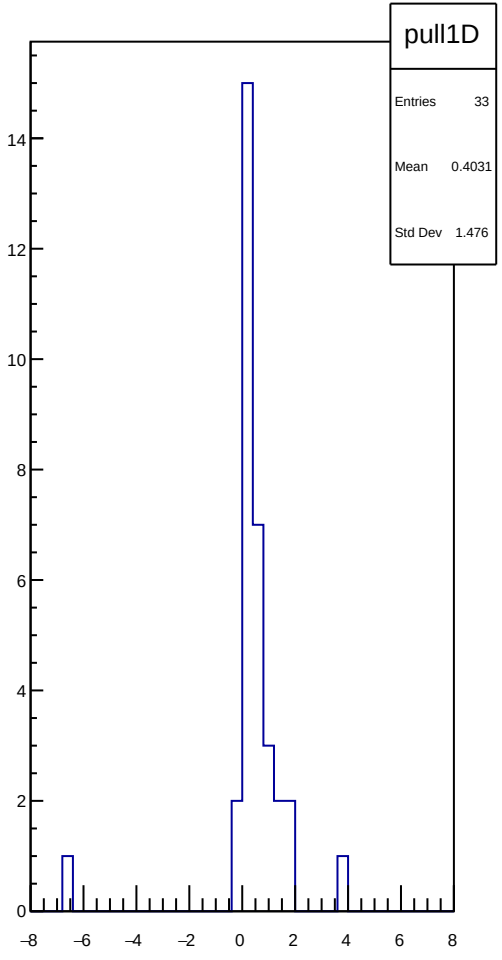

pull1D
Entries 33
Mean 0.02435
Std Dev 0.1649
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

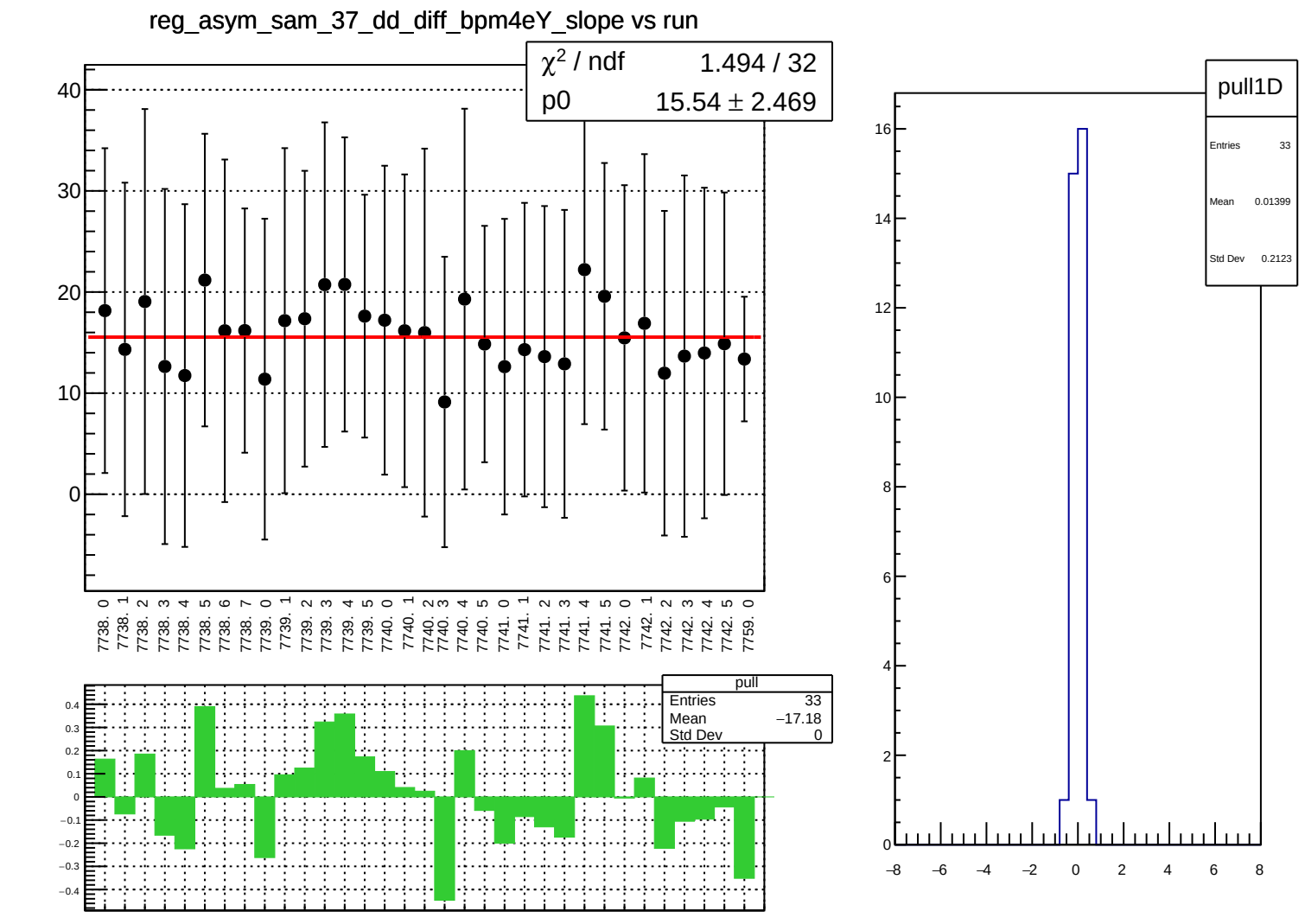

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 7.809 / 32
p0 −0.8089 ± 0.2165
pull
Entries 33
Mean 28.89
Std Dev 0
pull1D
Entries 33
Mean −0.102
Std Dev 0.4756

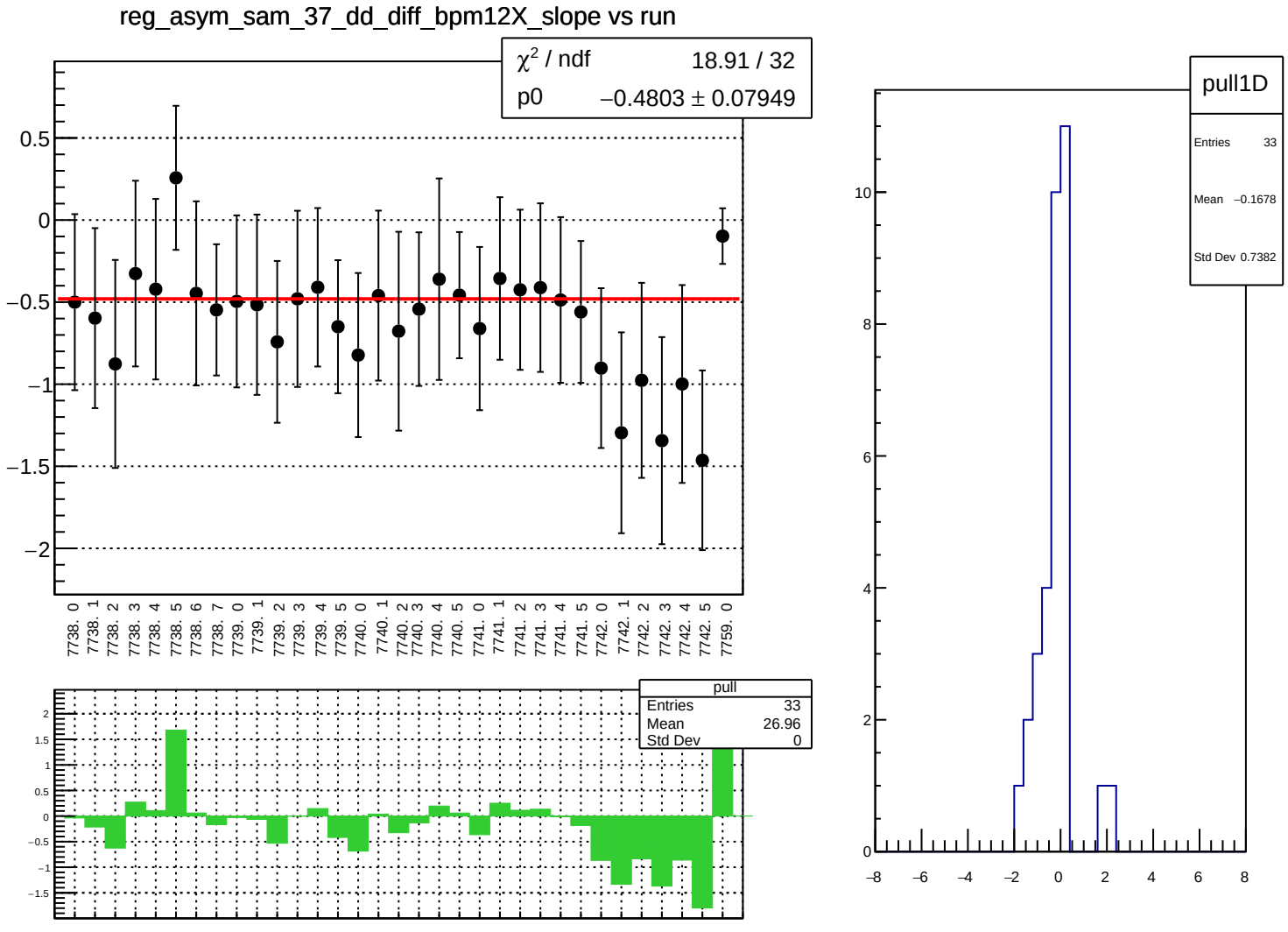

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 53.01 / 32
p0 −23.03 ± 1.178
pull
Entries 33
Mean 33.45
Std Dev 0
pull1D
Entries 33
Mean −0.3272
Std Dev 1.224

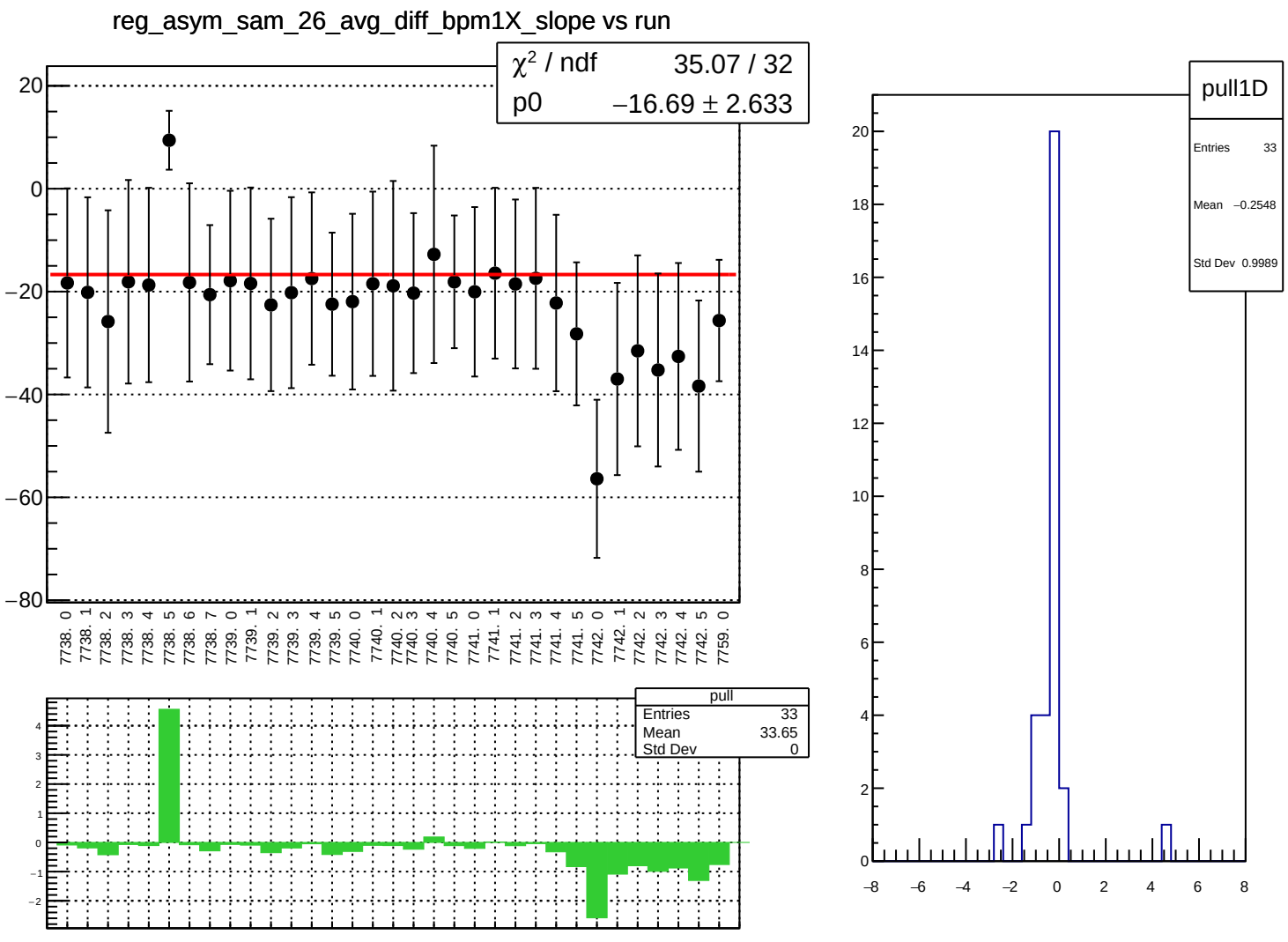

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.761 / 32
p0 −4.307 ± 1.399
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −92.06
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.004605
Std Dev 0.231
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

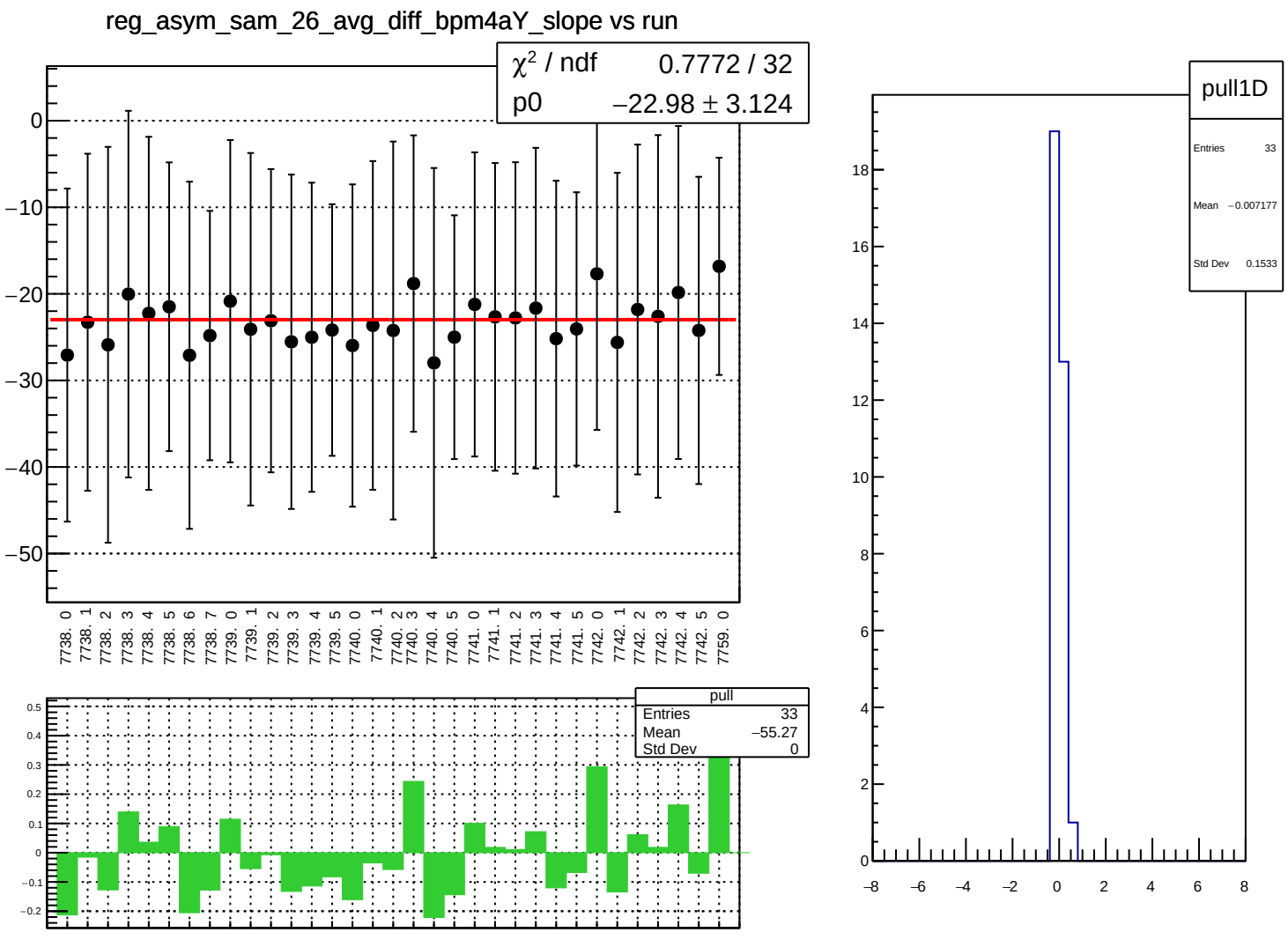

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.27 / 32
p0 −9.285 ± 1.157
pull
Entries 33
Mean 33.35
Std Dev 0

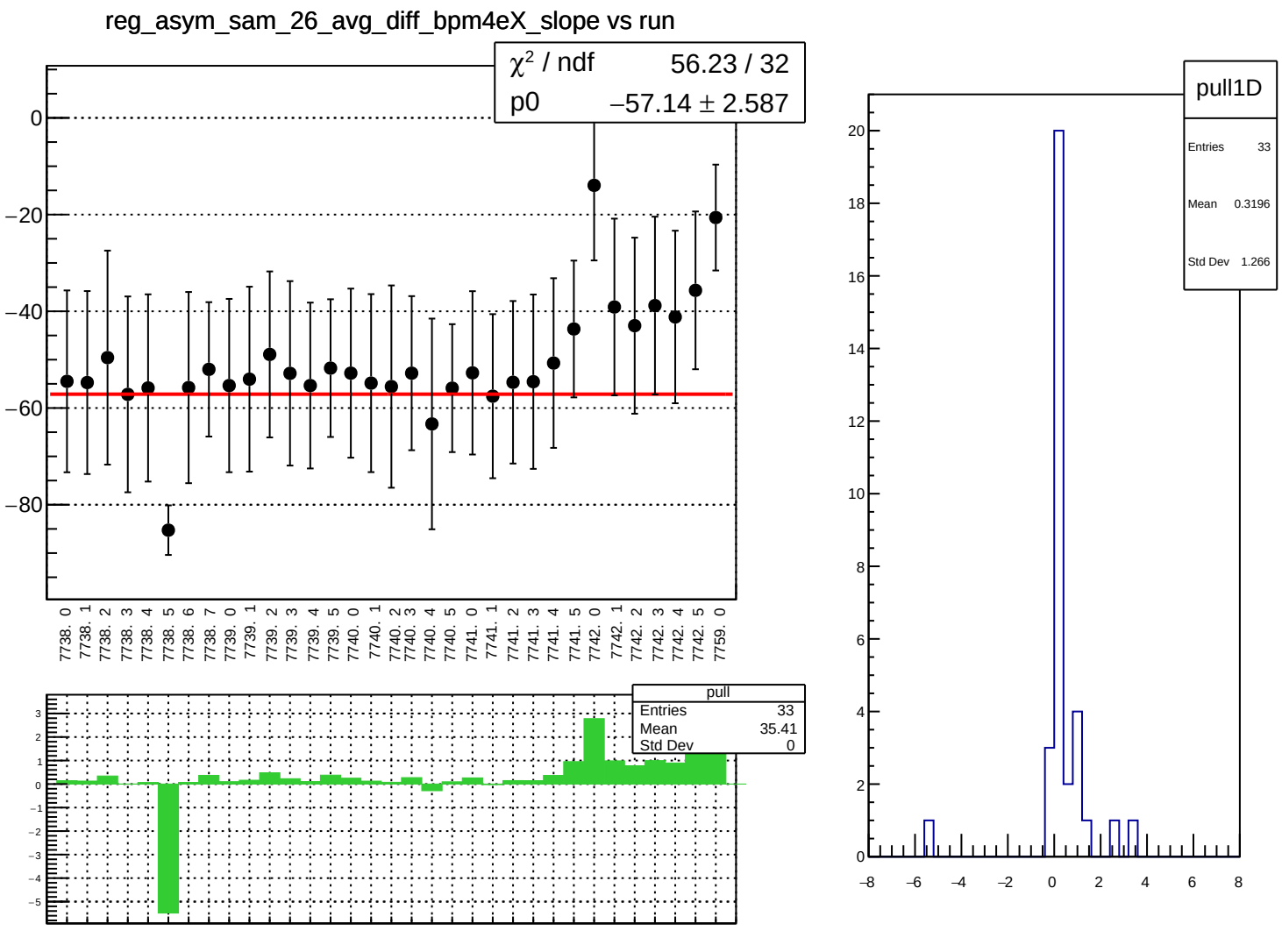

pull1D
Entries 33
Mean 0.4031
Std Dev 1.476

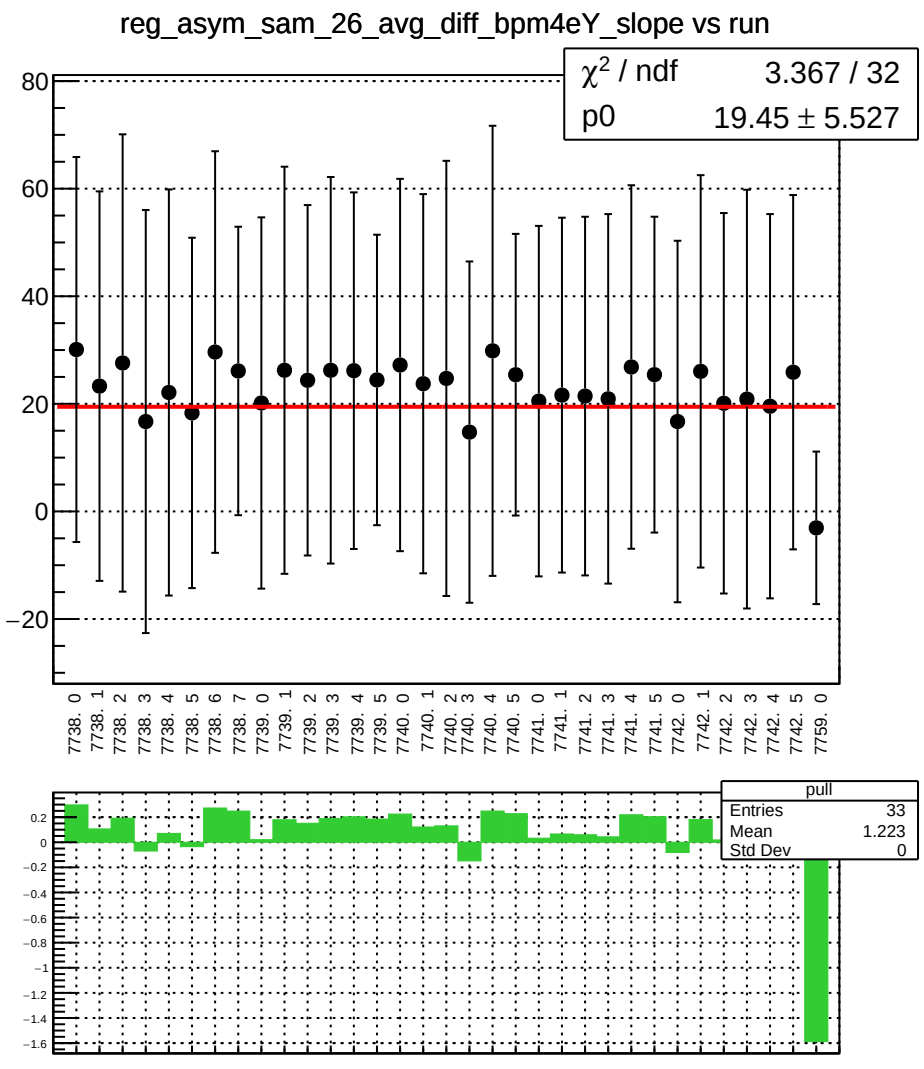

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.494 / 32
p0 15.54 ± 2.469
40
30
20
10
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −17.18
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean 0.01399
Std Dev 0.2123
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

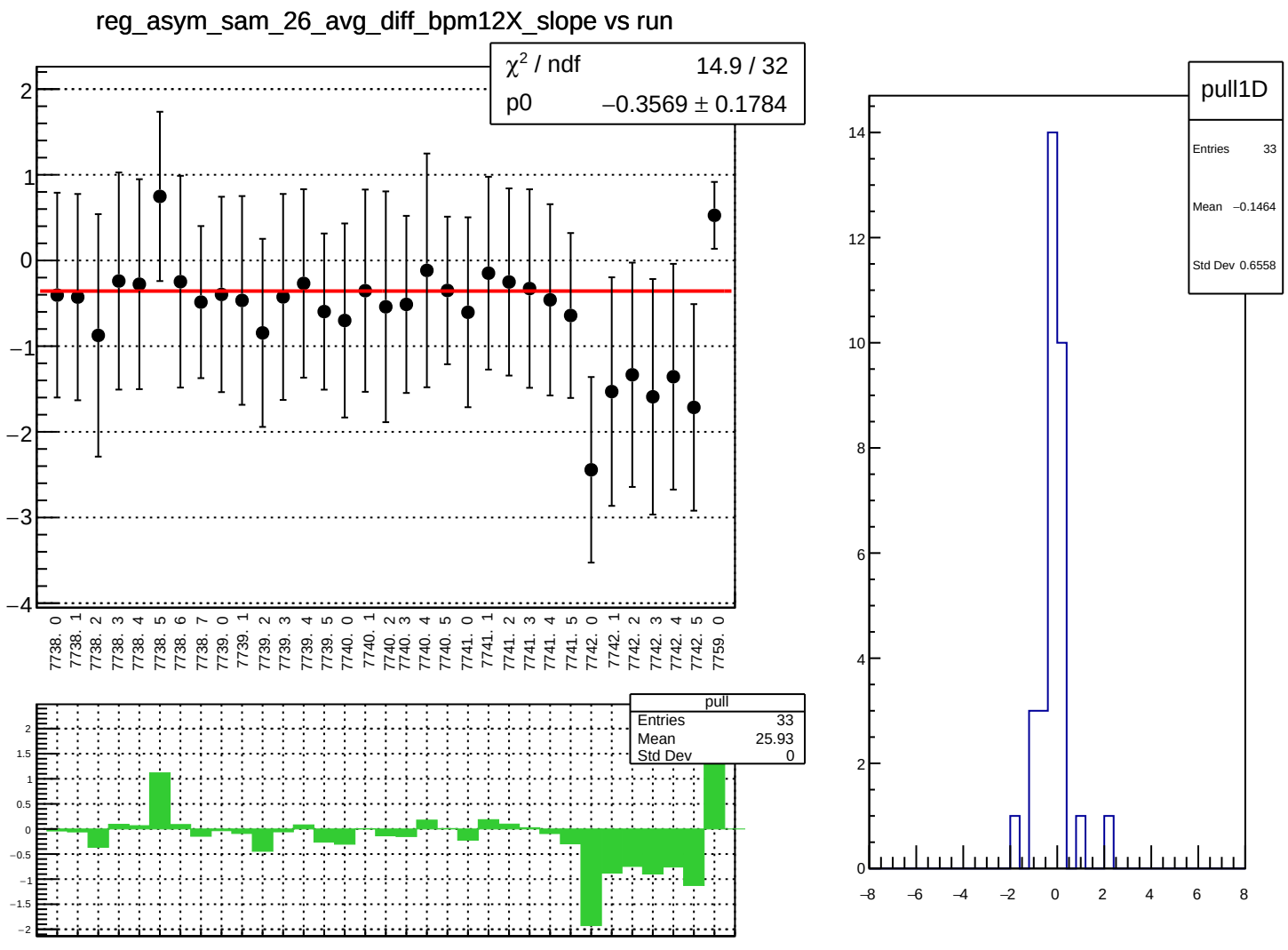

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 18.91 / 32
p0 −0.4803 ± 0.07949
0.5
0
−0.5
−1
−1.5
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.96
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.1678
Std Dev 0.7382
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

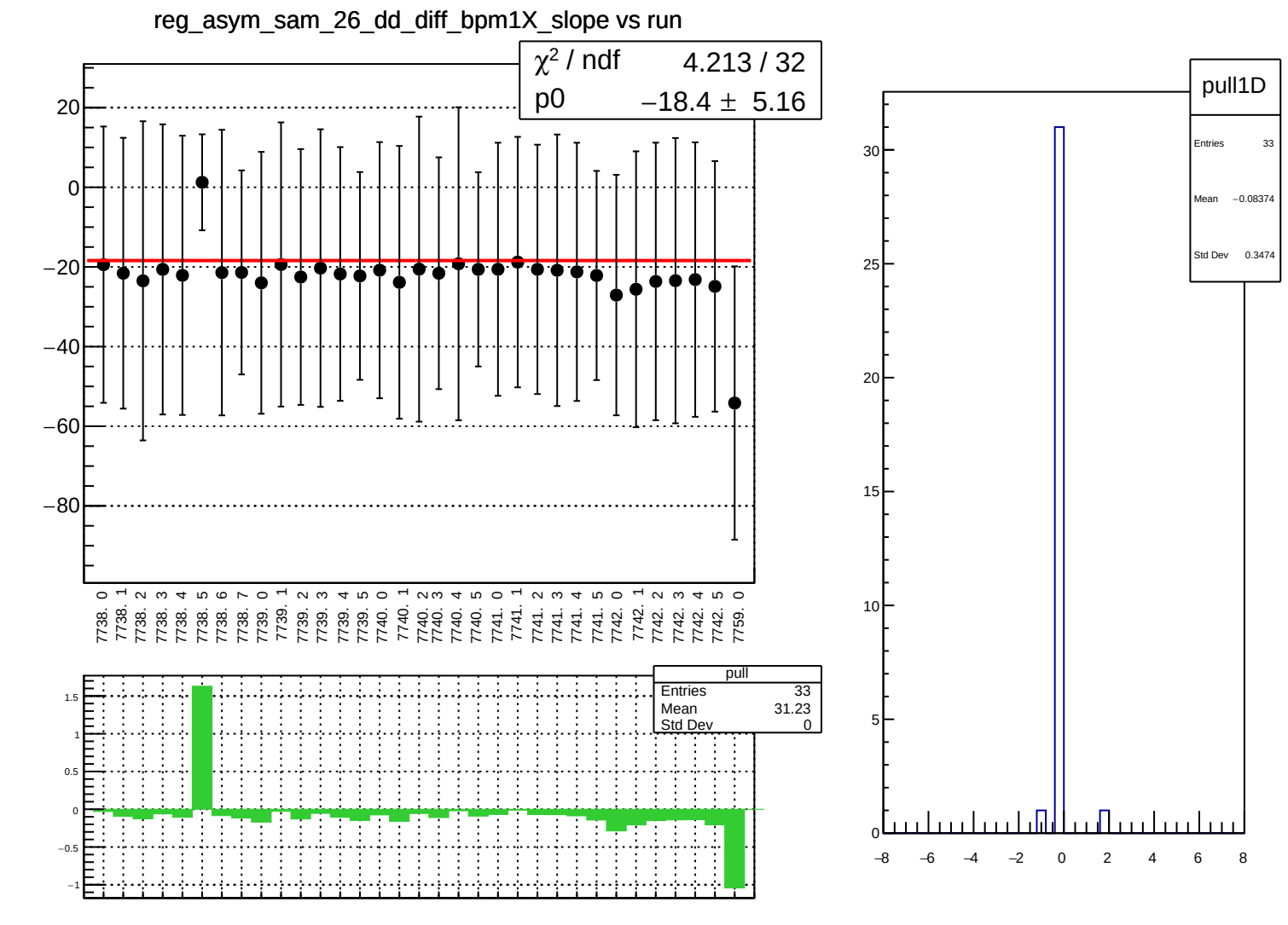

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 35.07 / 32
p0 −16.69 ± 2.633
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 33.65
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.2548
Std Dev 0.9989
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

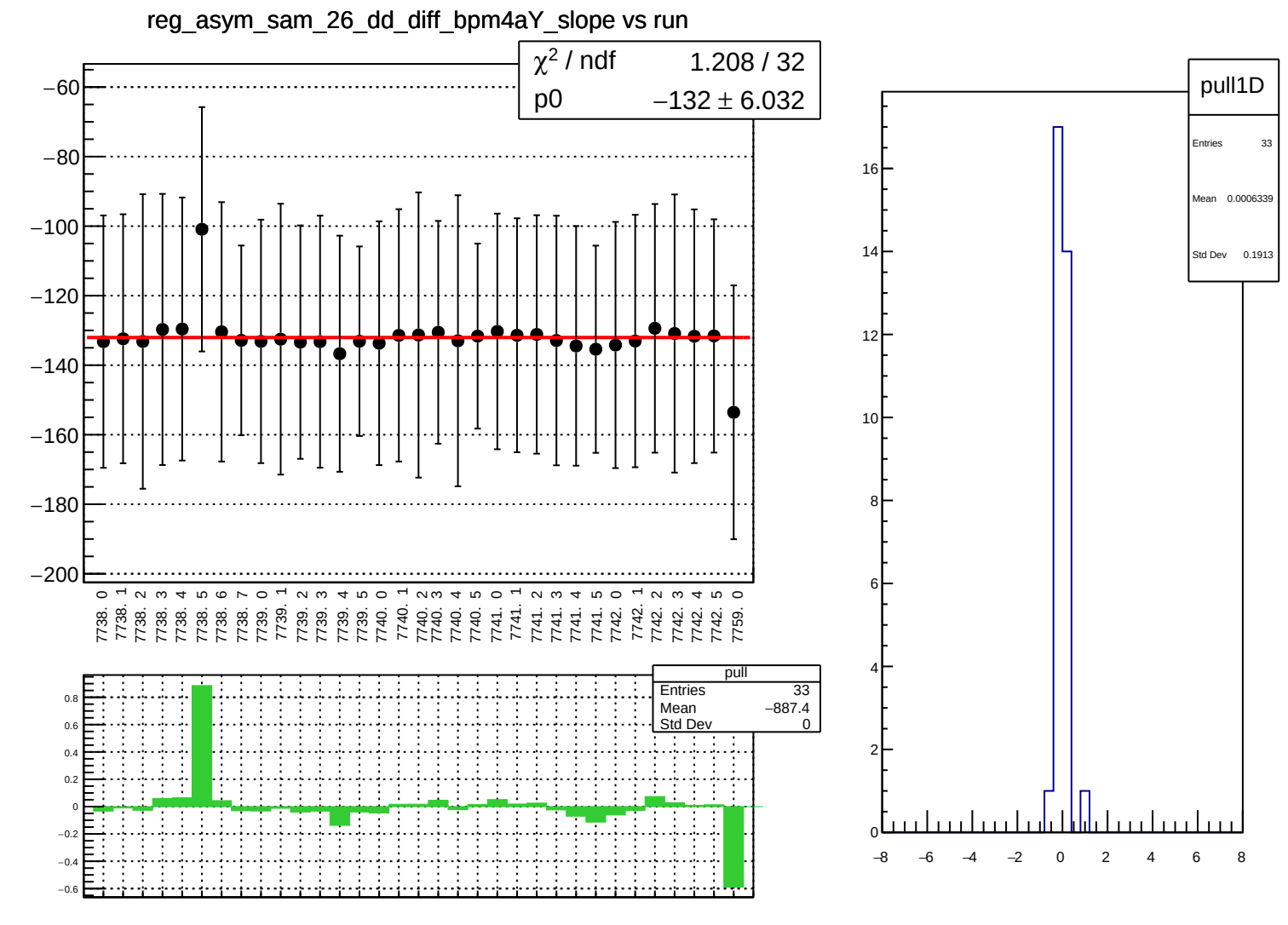

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.7772 / 32
p0 −22.98 ± 3.124
0
−10
−20
−30
−40
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −55.27
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.007177
Std Dev 0.1533
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

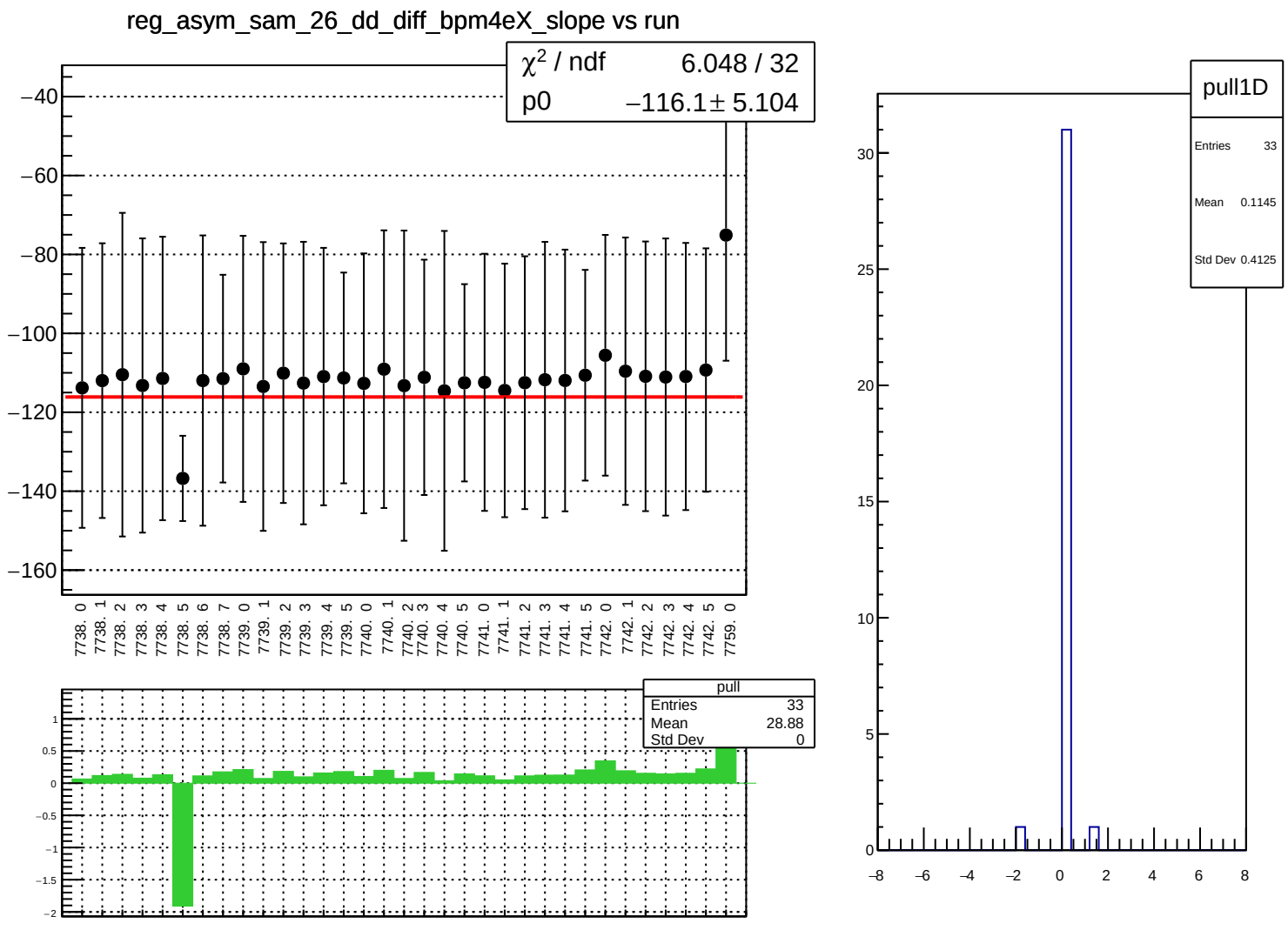

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.23 / 32
p0 −57.14 ± 2.587
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 35.41
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 33
Mean 0.3196
Std Dev 1.266
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

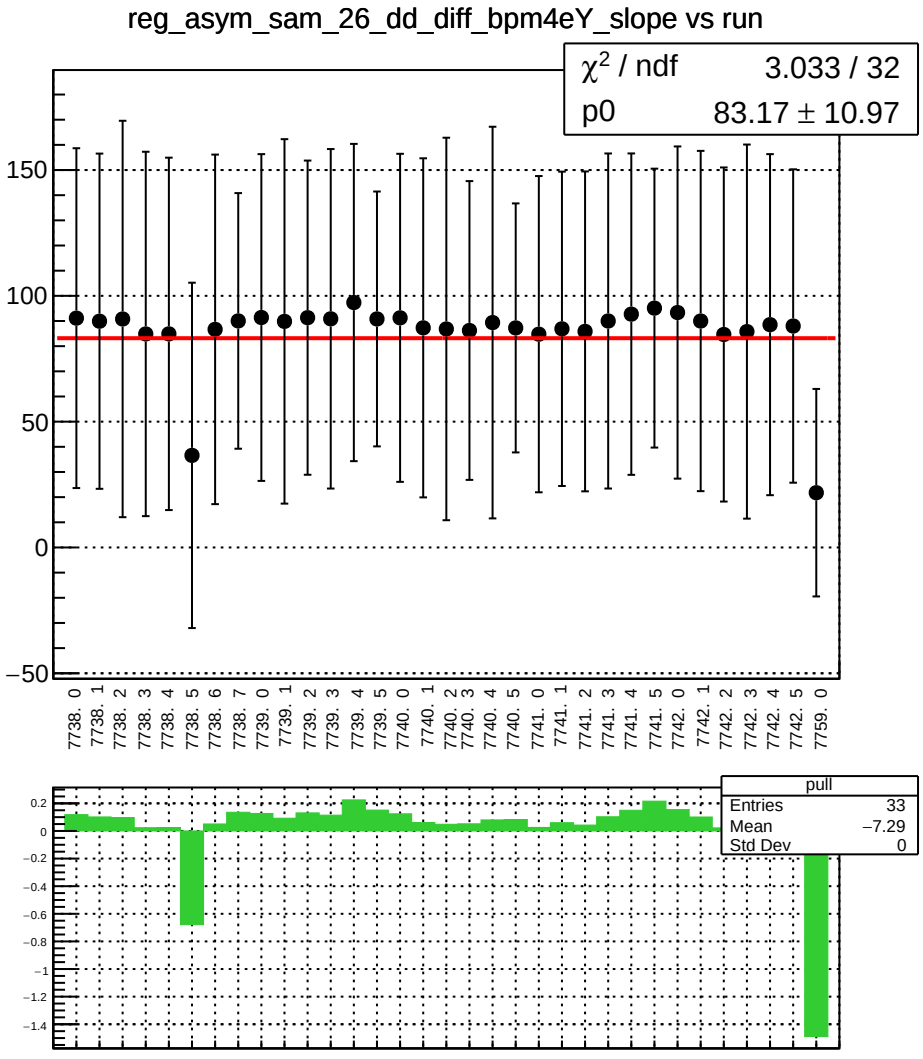

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.367 / 32
p0 19.45 ± 5.527
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.223
Std Dev 0
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 33
Mean 0.06662
Std Dev 0.3124
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

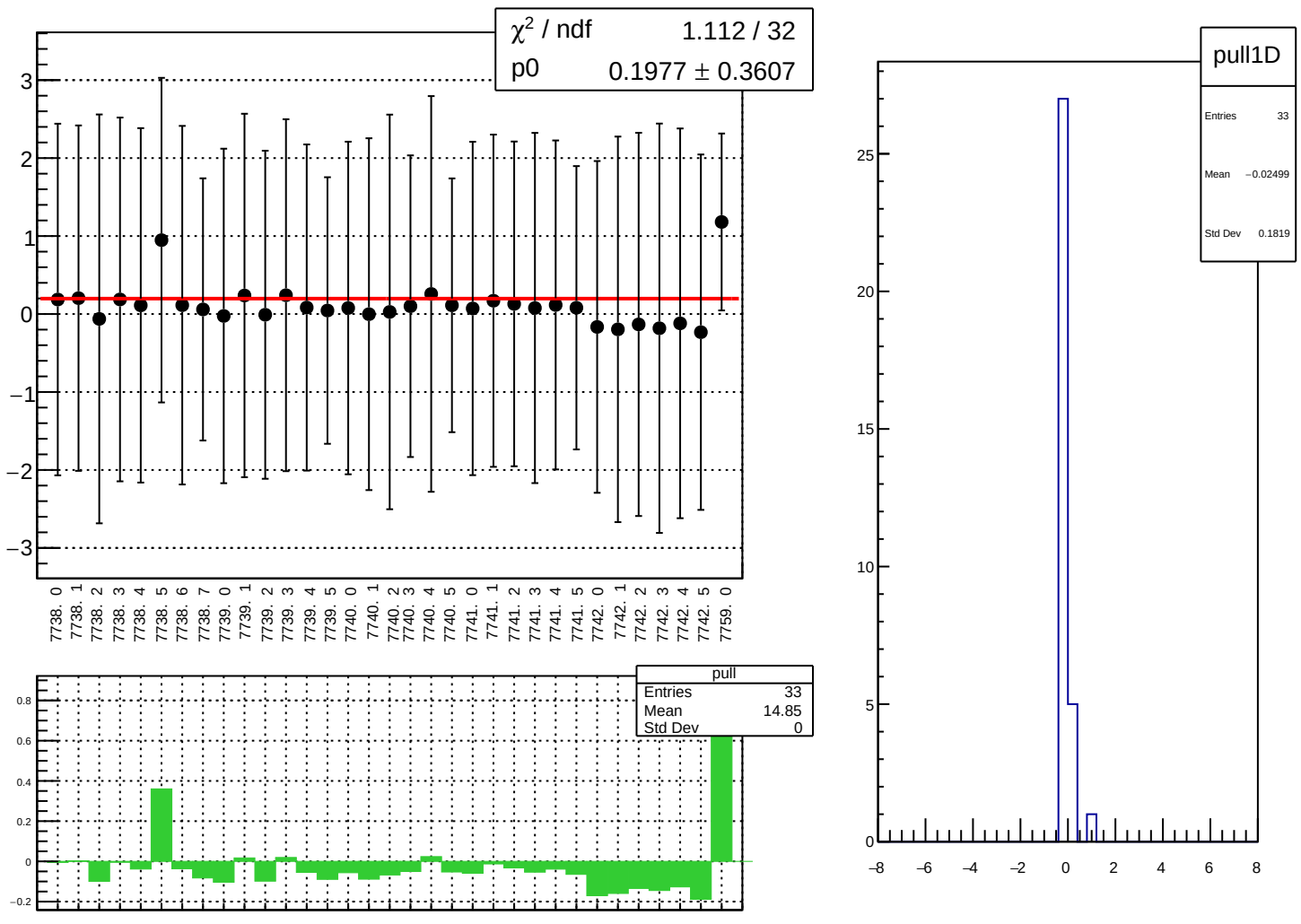

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 14.9 / 32
p0 −0.3569 ± 0.1784
pull
Entries 33
Mean 25.93
Std Dev 0
pull1D
Entries 33
Mean −0.1464
Std Dev 0.6558

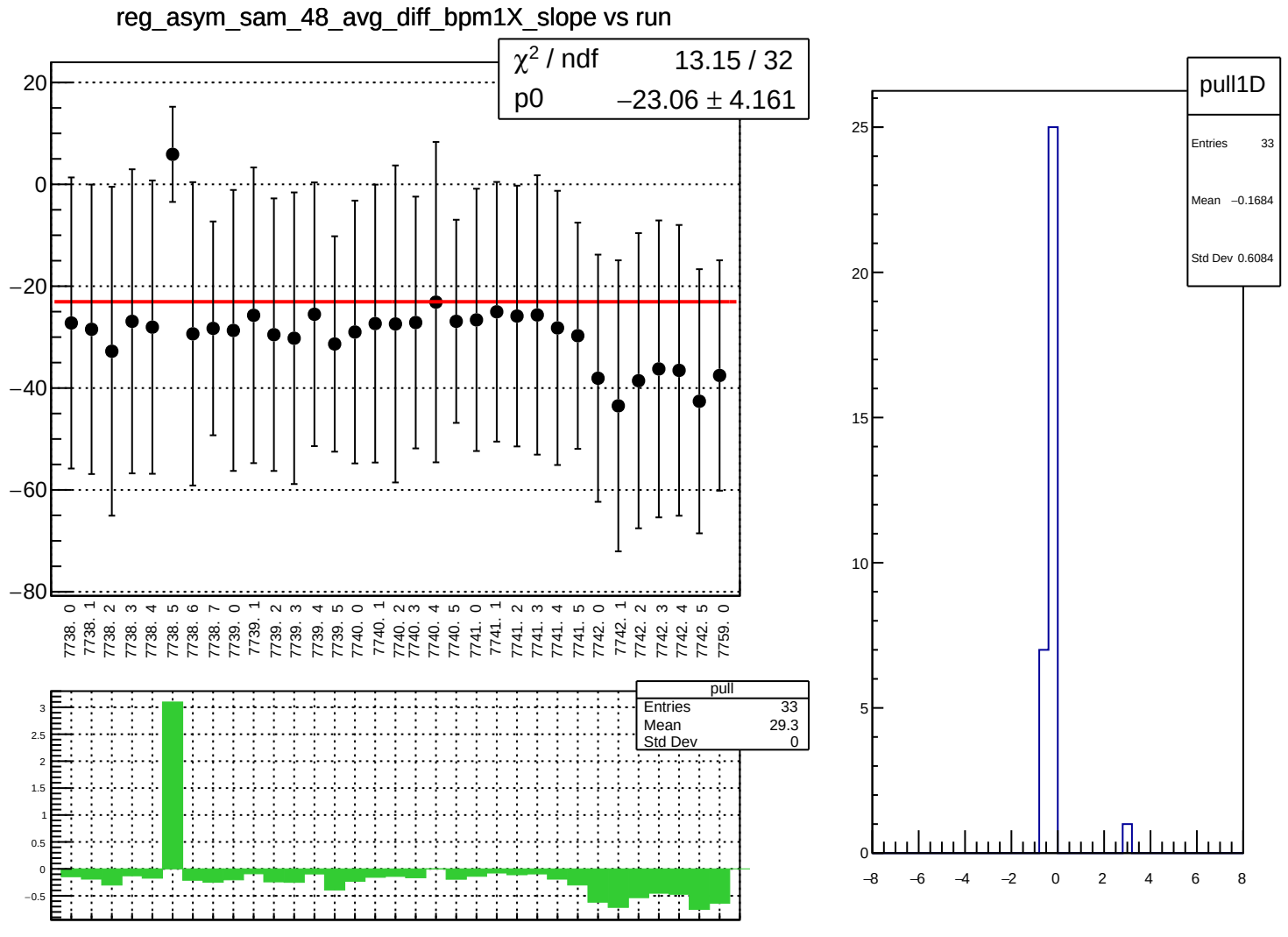

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 4.213 / 32
p0 −18.4 ± 5.16
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.23
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.08374
Std Dev 0.3474
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

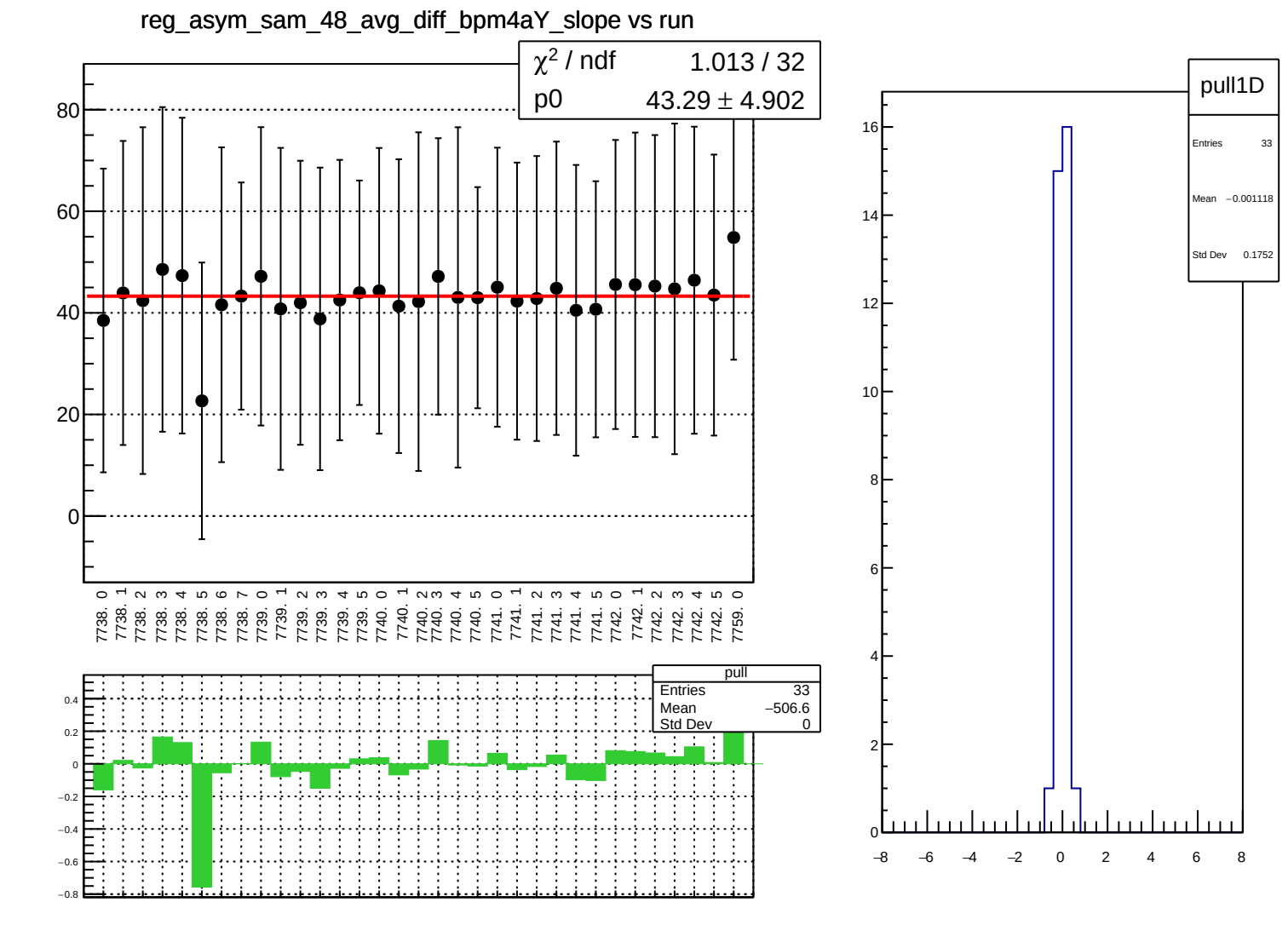

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.208 / 32
p0 −132 ± 6.032
−60
−80
−100
−120
−140
−160
−180
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −887.4
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean 0.0006339
Std Dev 0.1913
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 6.048 / 32
p0 −116.1 ± 5.104
−40
−60
−80
−100
−120
−140
−160
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 28.88
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1145
Std Dev 0.4125
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.033 / 32
p0 83.17 ± 10.97
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.29
Std Dev 0
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 33
Mean 0.02228
Std Dev 0.3023
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.112 / 32
p0 0.1977 ± 0.3607
pull
Entries 33
Mean 14.85
Std Dev 0
pull1D
Entries 33
Mean −0.02499
Std Dev 0.1819


reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 13.15 / 32
p0 −23.06 ± 4.161
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.3
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.1684
Std Dev 0.6084
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.013 / 32
p0 43.29 ± 4.902
80
60
40
20
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
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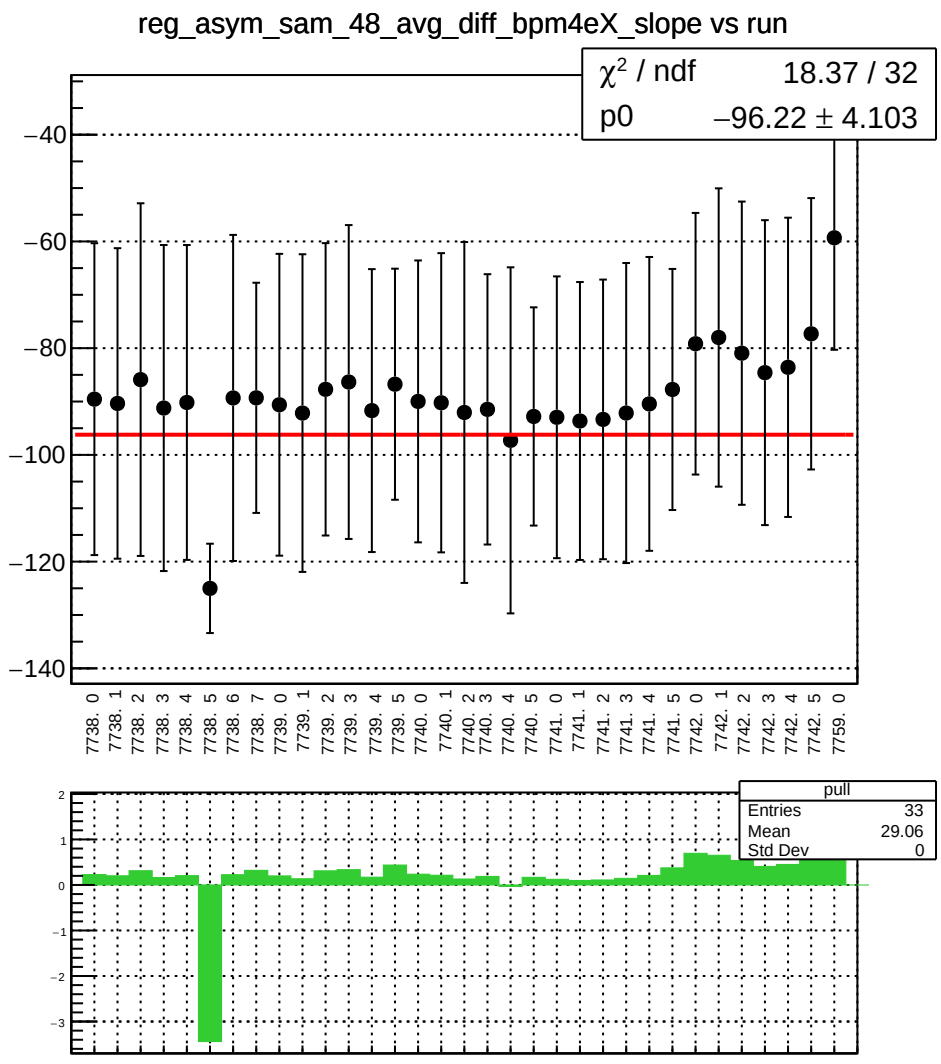
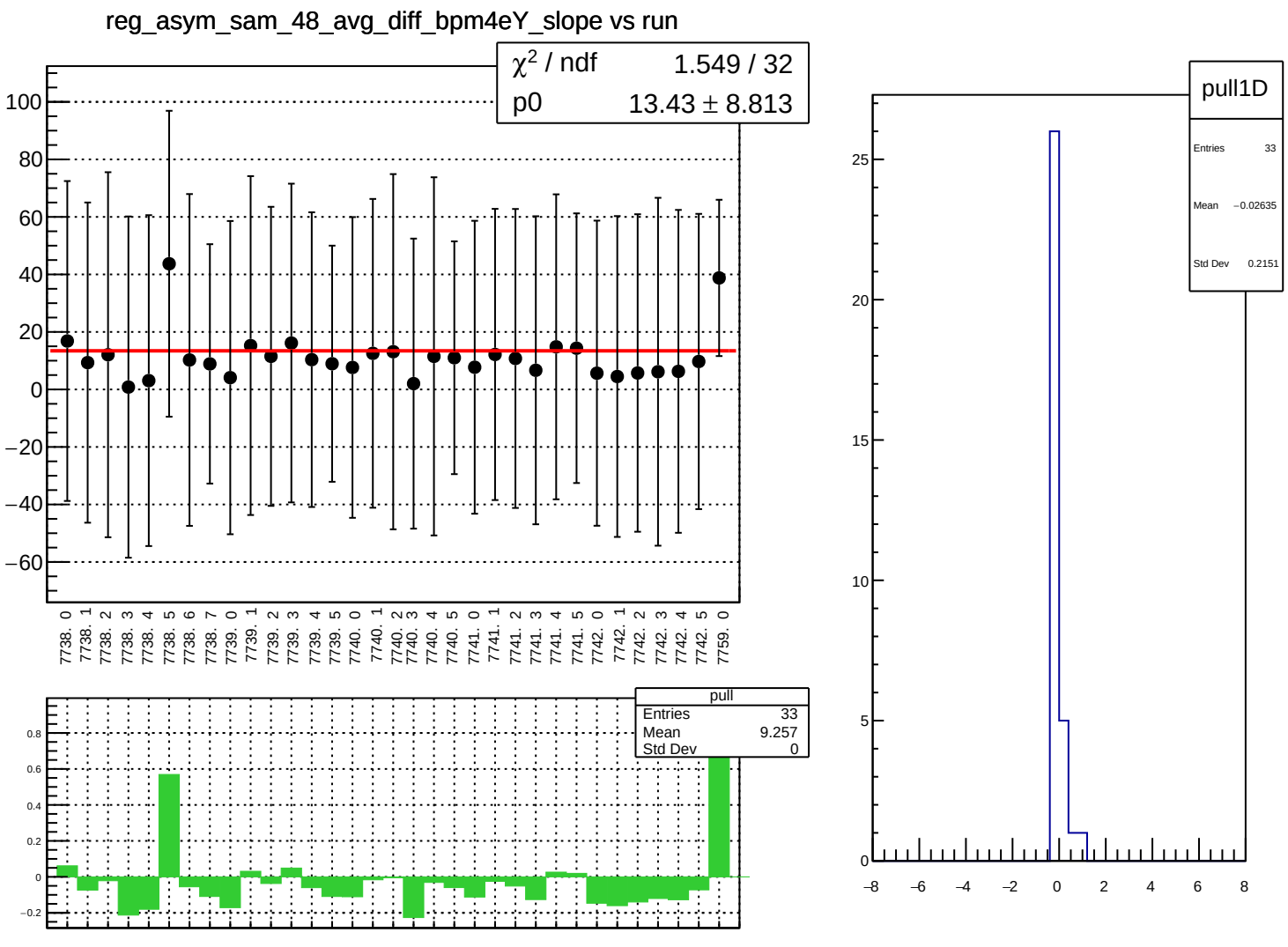
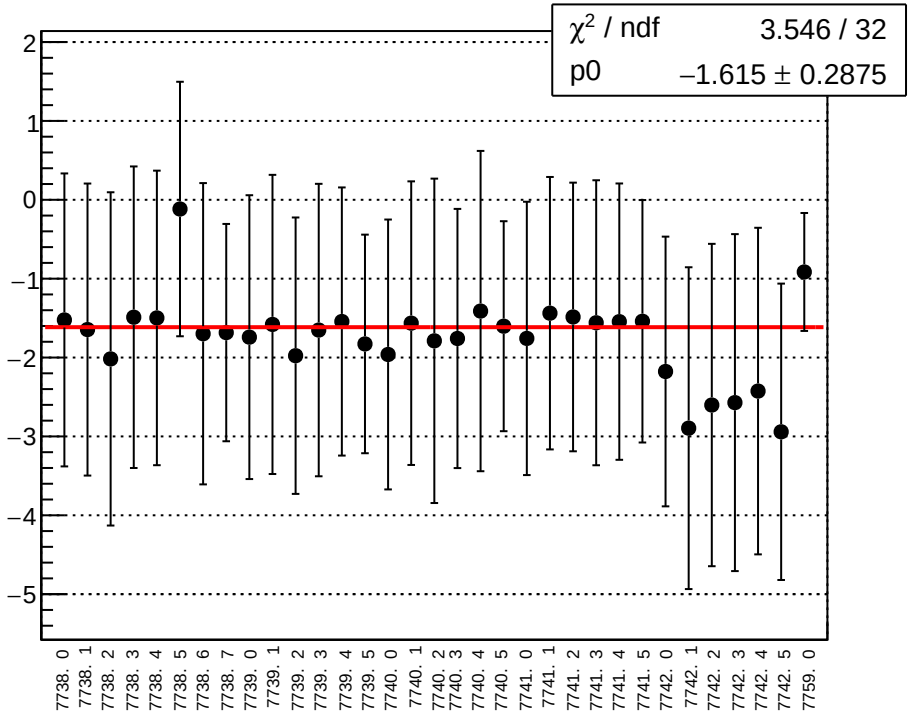
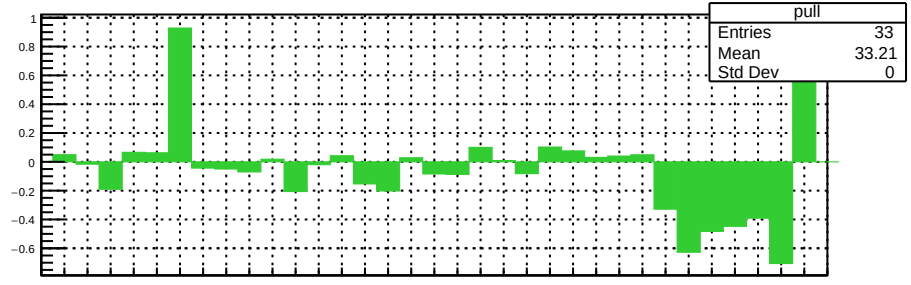
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −506.6
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.001118
Std Dev 0.1752
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

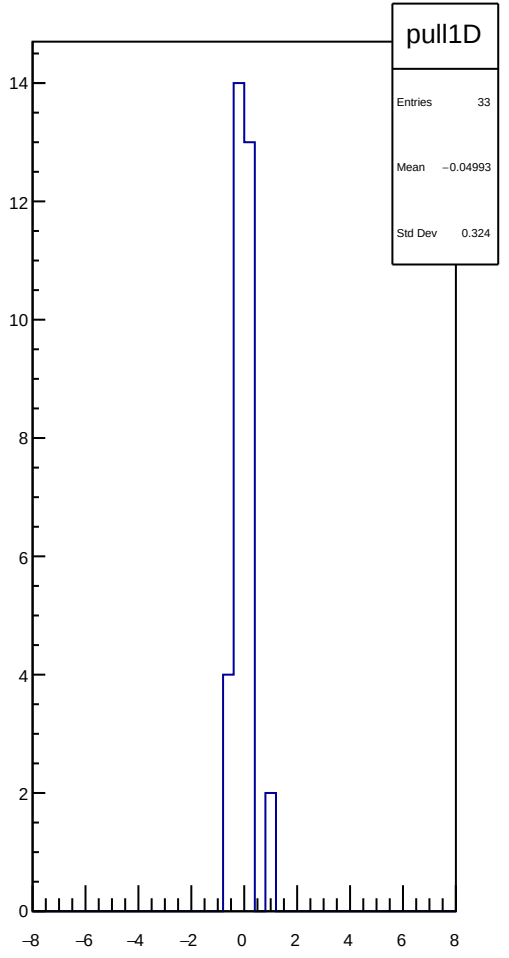

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.37 / 32
p0 −96.22 ± 4.103
−40
−60
−80
−100
−120
−140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.06
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.2125
Std Dev 0.7152
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

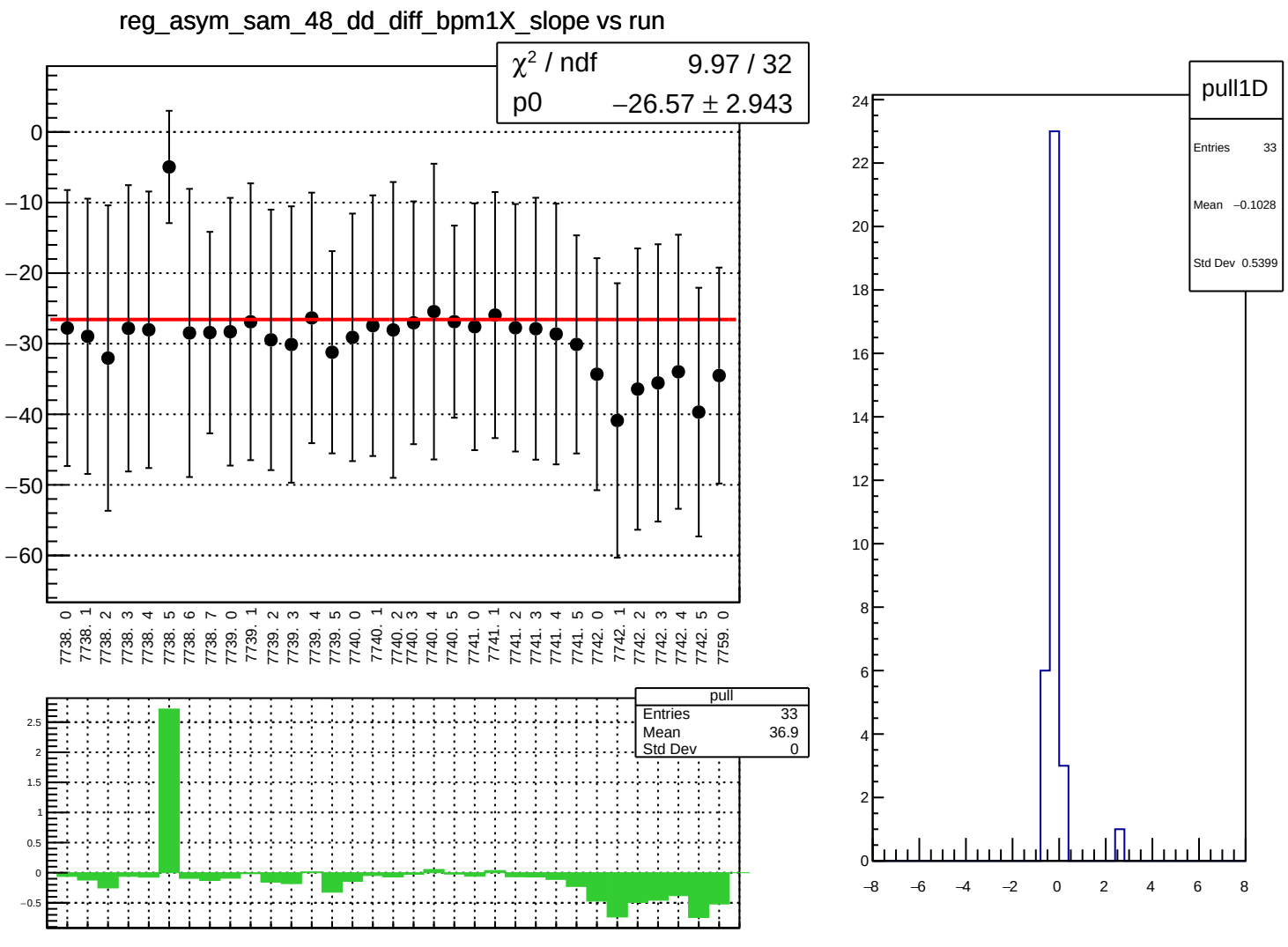

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.549 / 32
p0 13.43 ± 8.813
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.257
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
pull1D
Entries 33
Mean −0.02635
Std Dev 0.2151
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

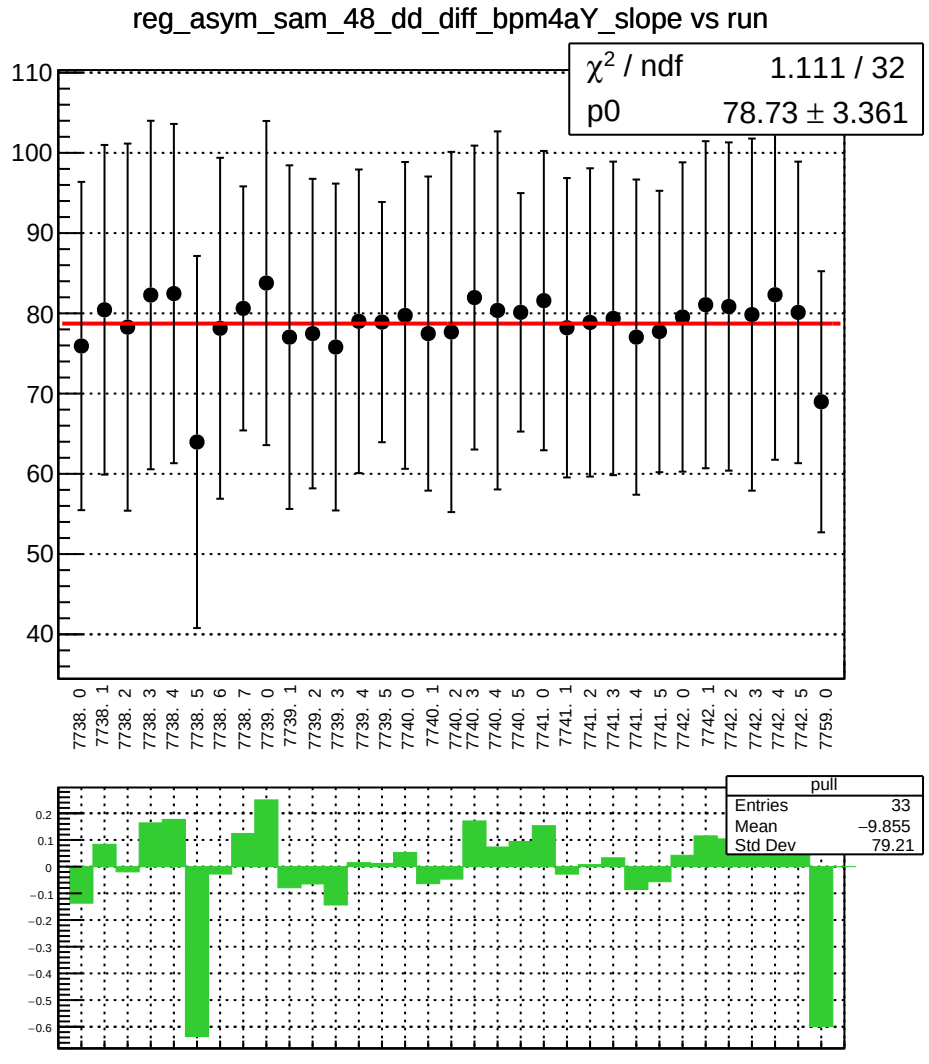
reg_asym_sam_48_avg_diff_bpm12X_slope vs run

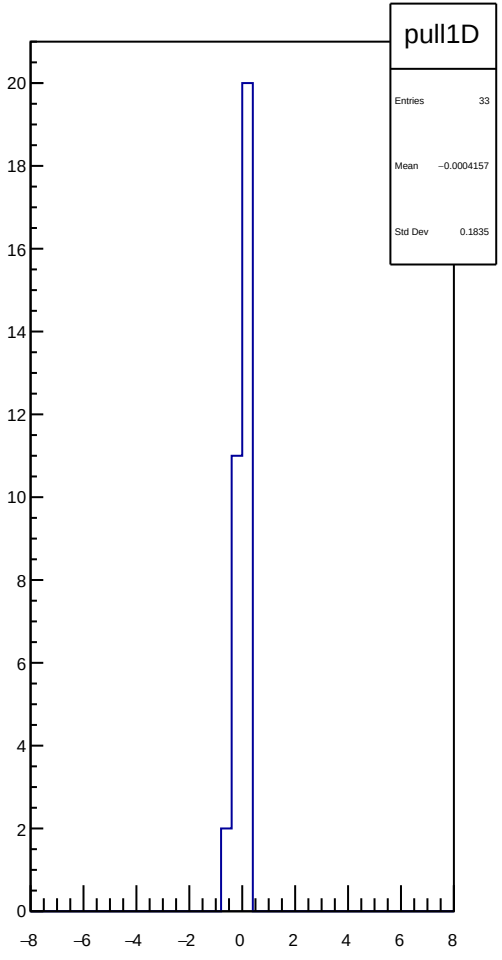


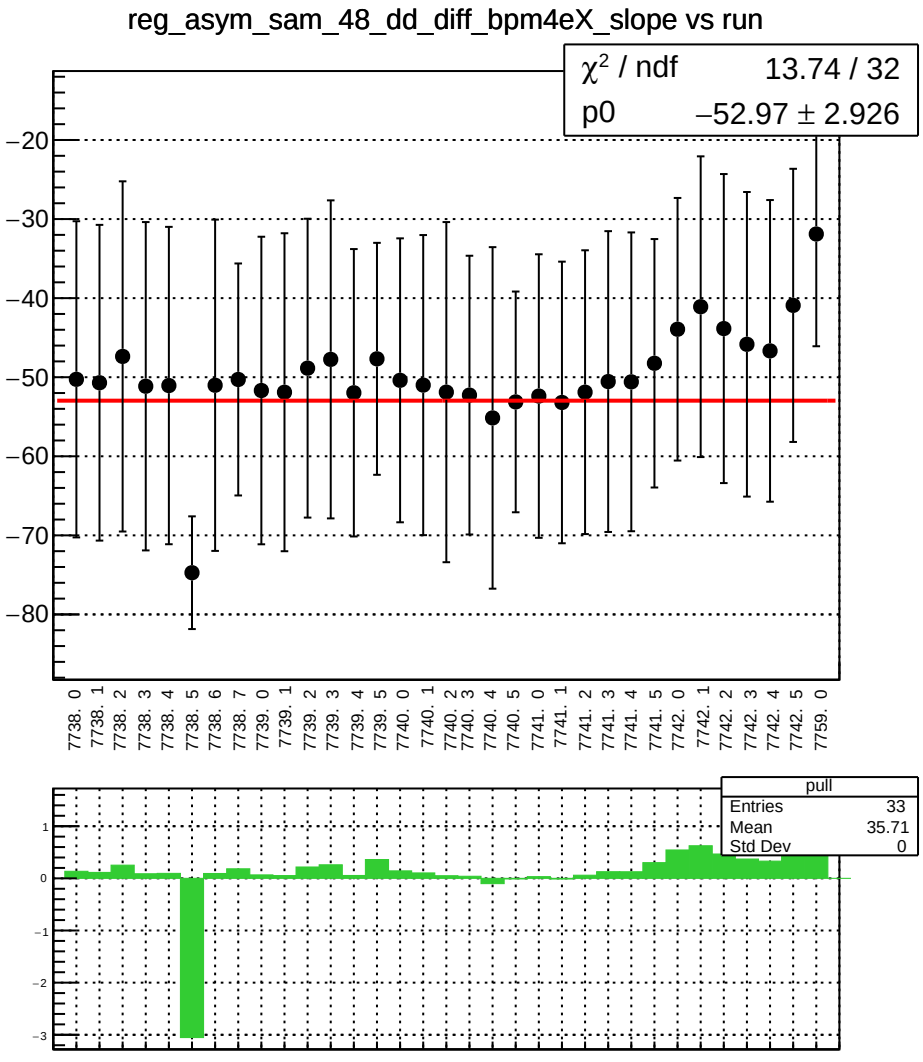


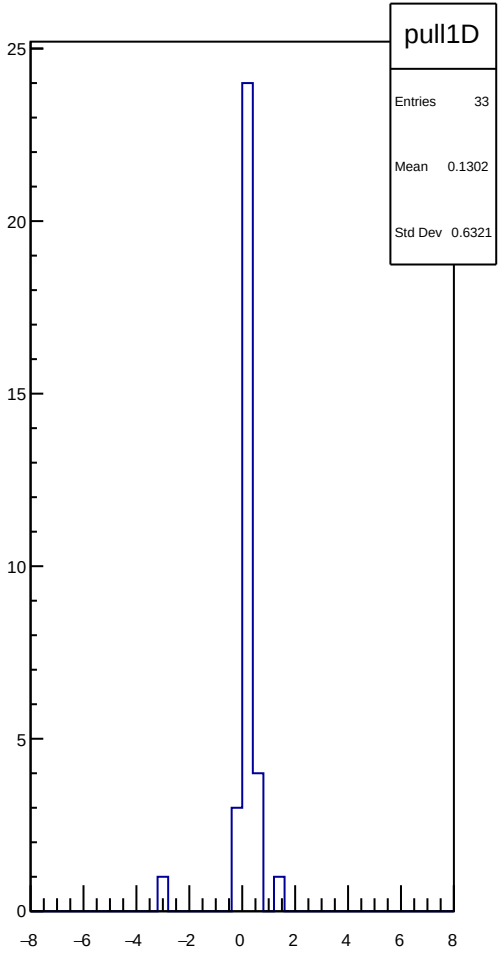


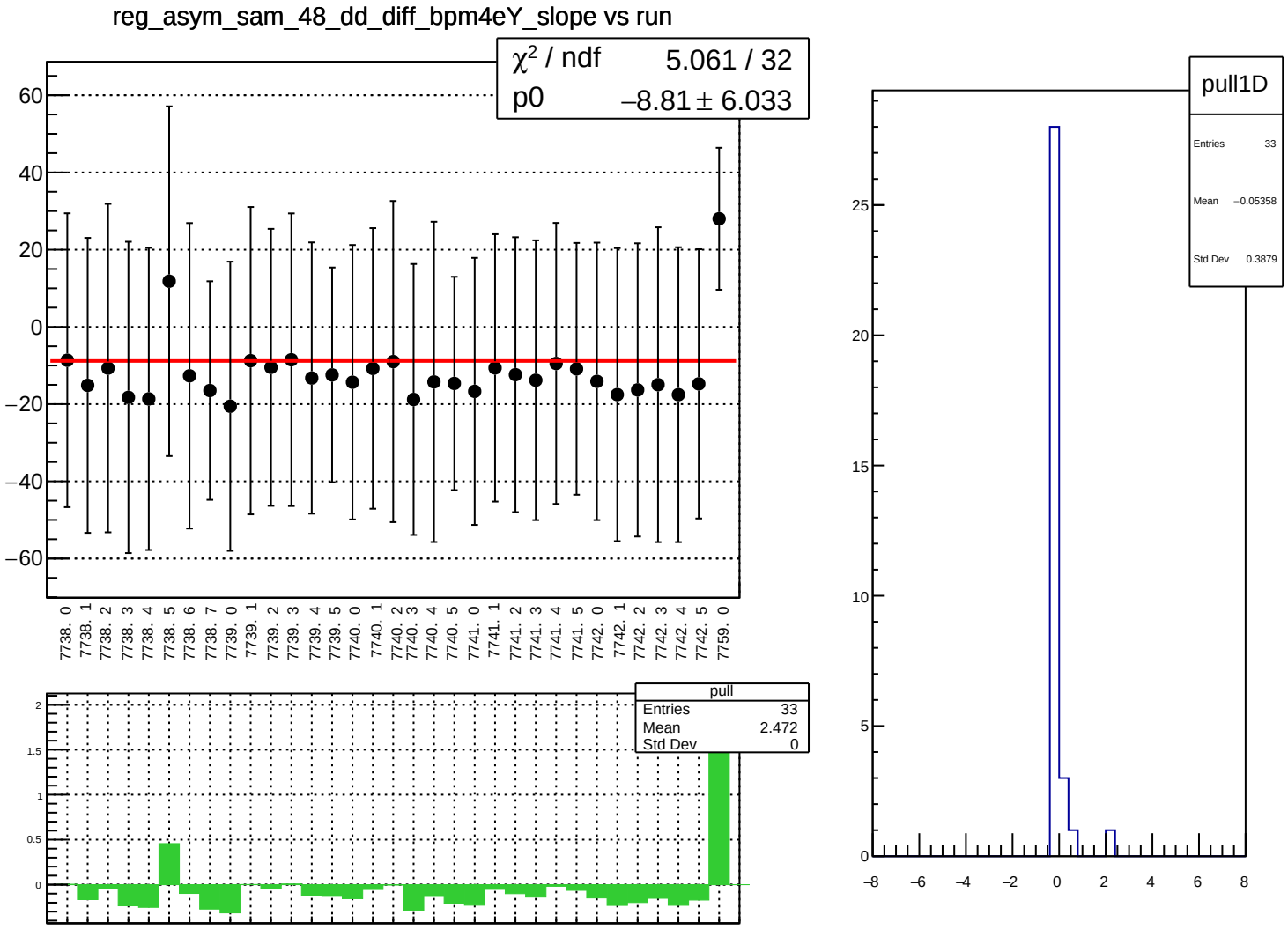

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.97 / 32
p0 −26.57 ± 2.943
0
−10
−20
−30
−40
−50
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 36.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.1028
Std Dev 0.5399
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

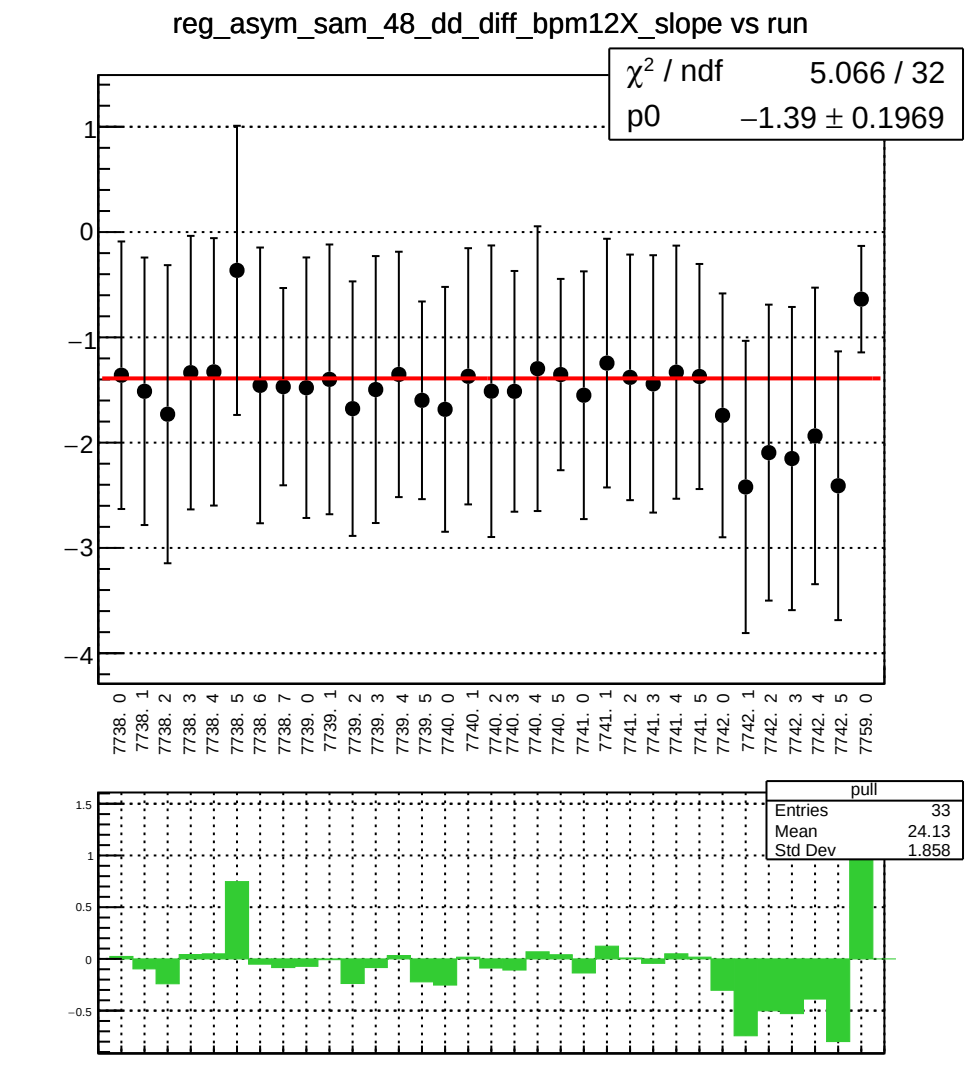

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.111 / 32
p0 78.73 ± 3.361
110
100
90
80
70
60
50
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.855
Std Dev 79.21
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

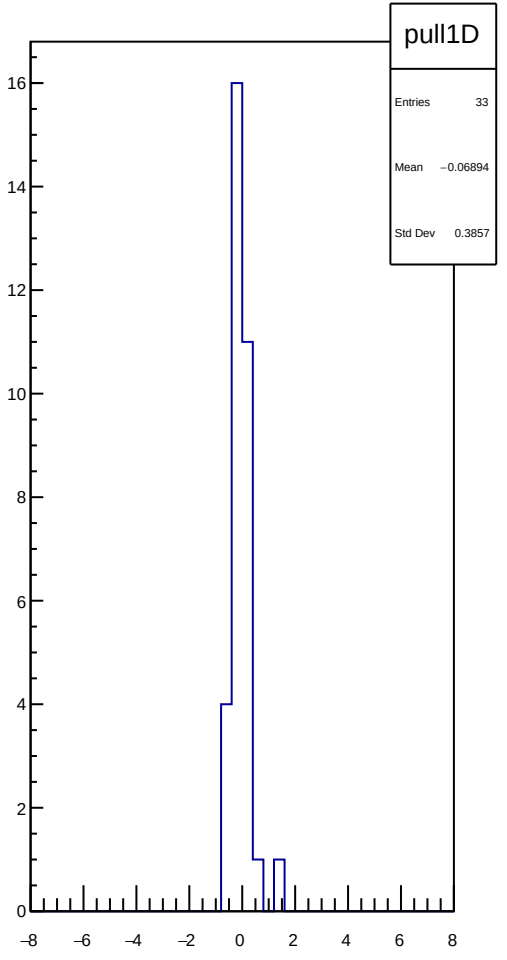

pull1D
Entries 33
Mean −0.0004157
Std Dev 0.1835
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

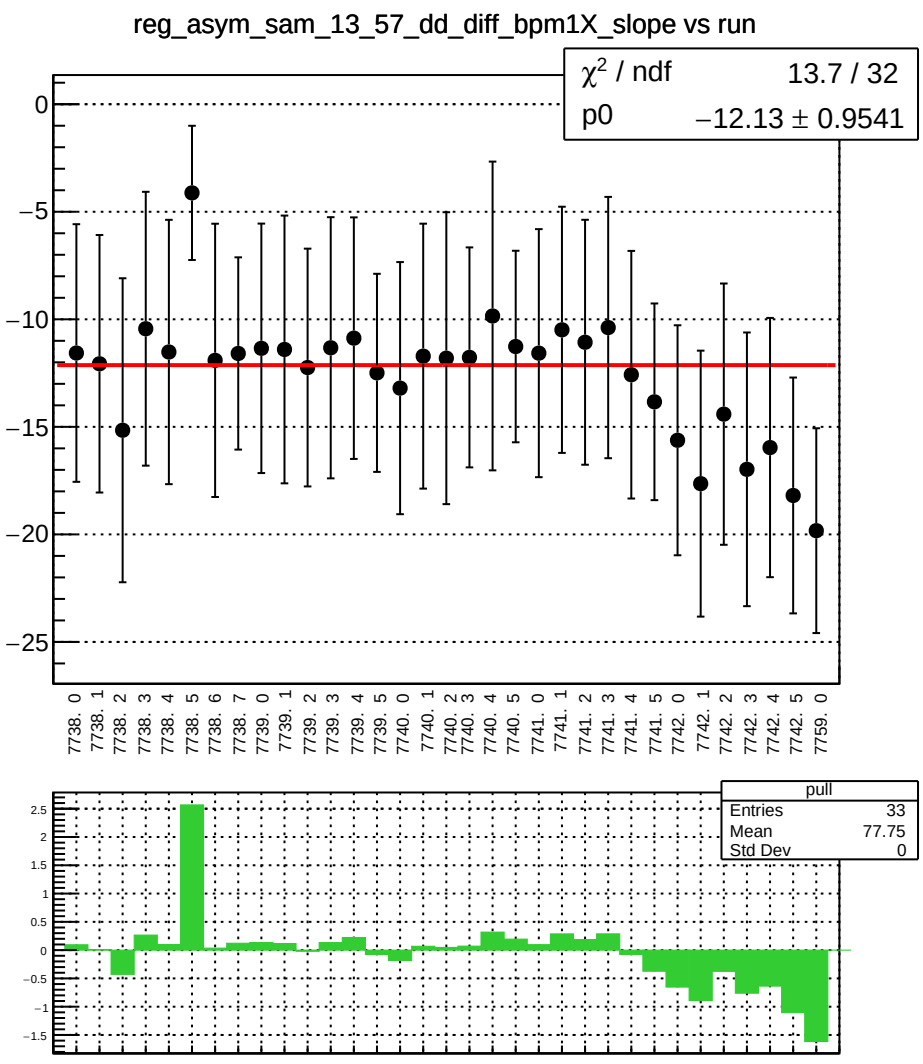

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.74 / 32
p0 −52.97 ± 2.926
−20
−30
−40
−50
−60
−70
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 35.71
Std Dev 0
1
0
−1
−2
−3

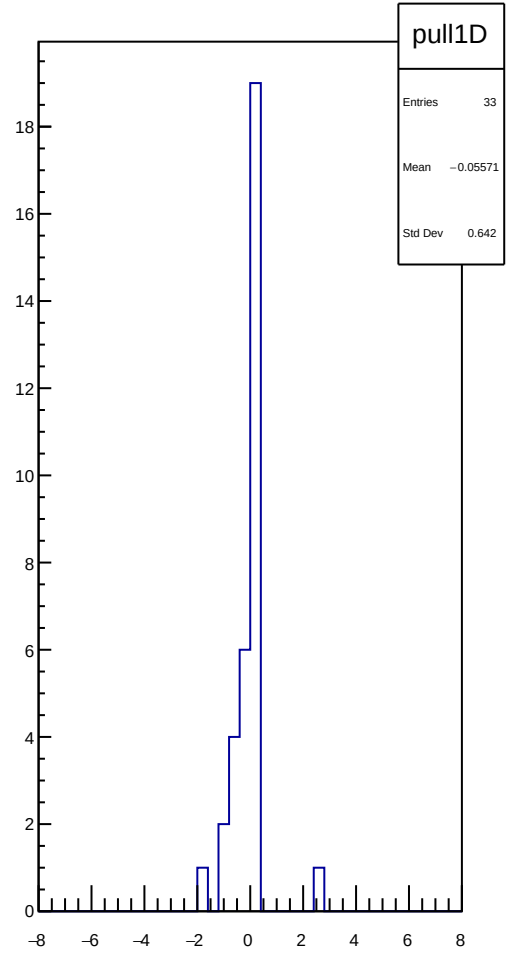

pull1D
Entries 33
Mean 0.1302
Std Dev 0.6321
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

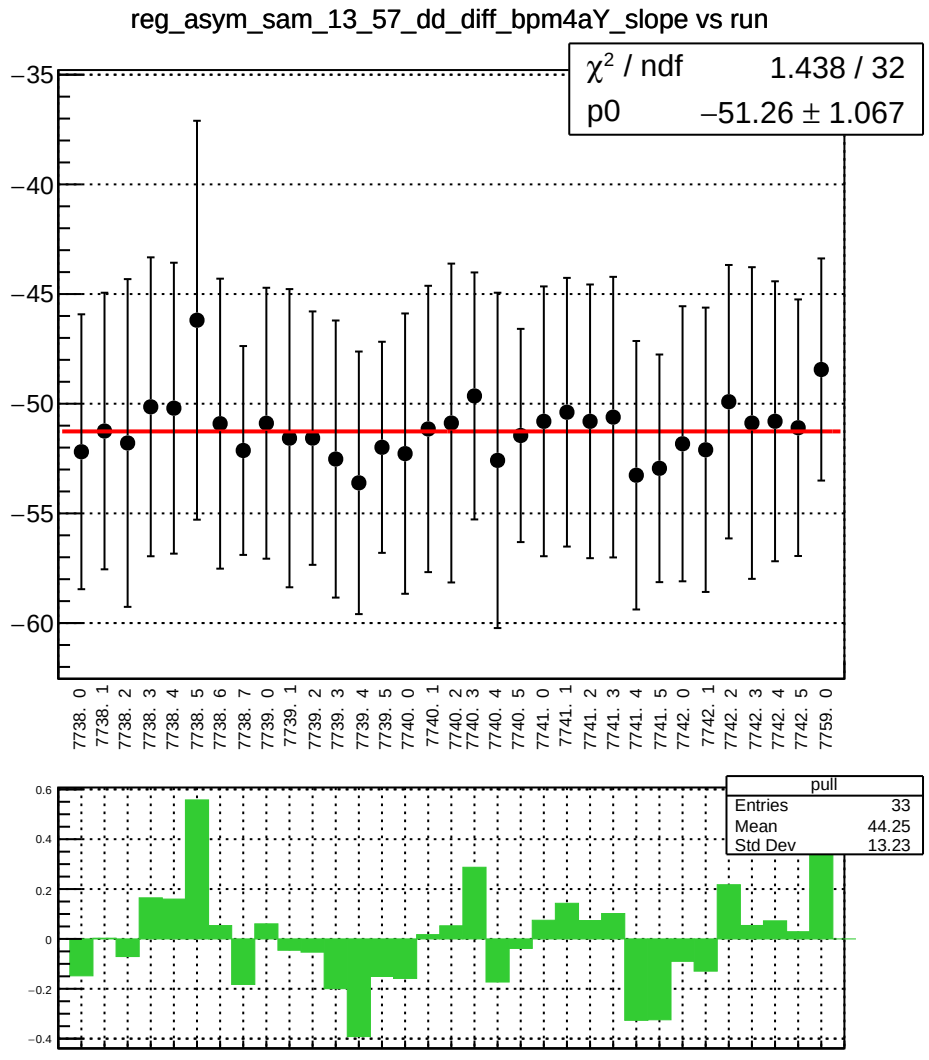

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.061 / 32
p0 −8.81 ± 6.033
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.472
Std Dev 0
2
1.5
1
0.5
0
pull1D
Entries 33
Mean −0.05358
Std Dev 0.3879
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

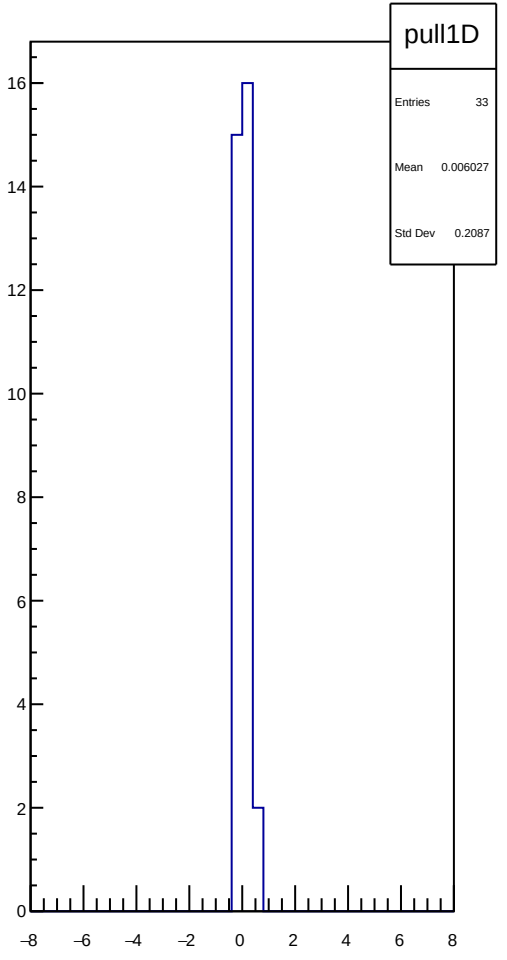

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.066 / 32
p0 −1.39 ± 0.1969
1
0
−1
−2
−3
−4
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 24.13
Std Dev 1.858
1.5
1
0.5
0
−0.5

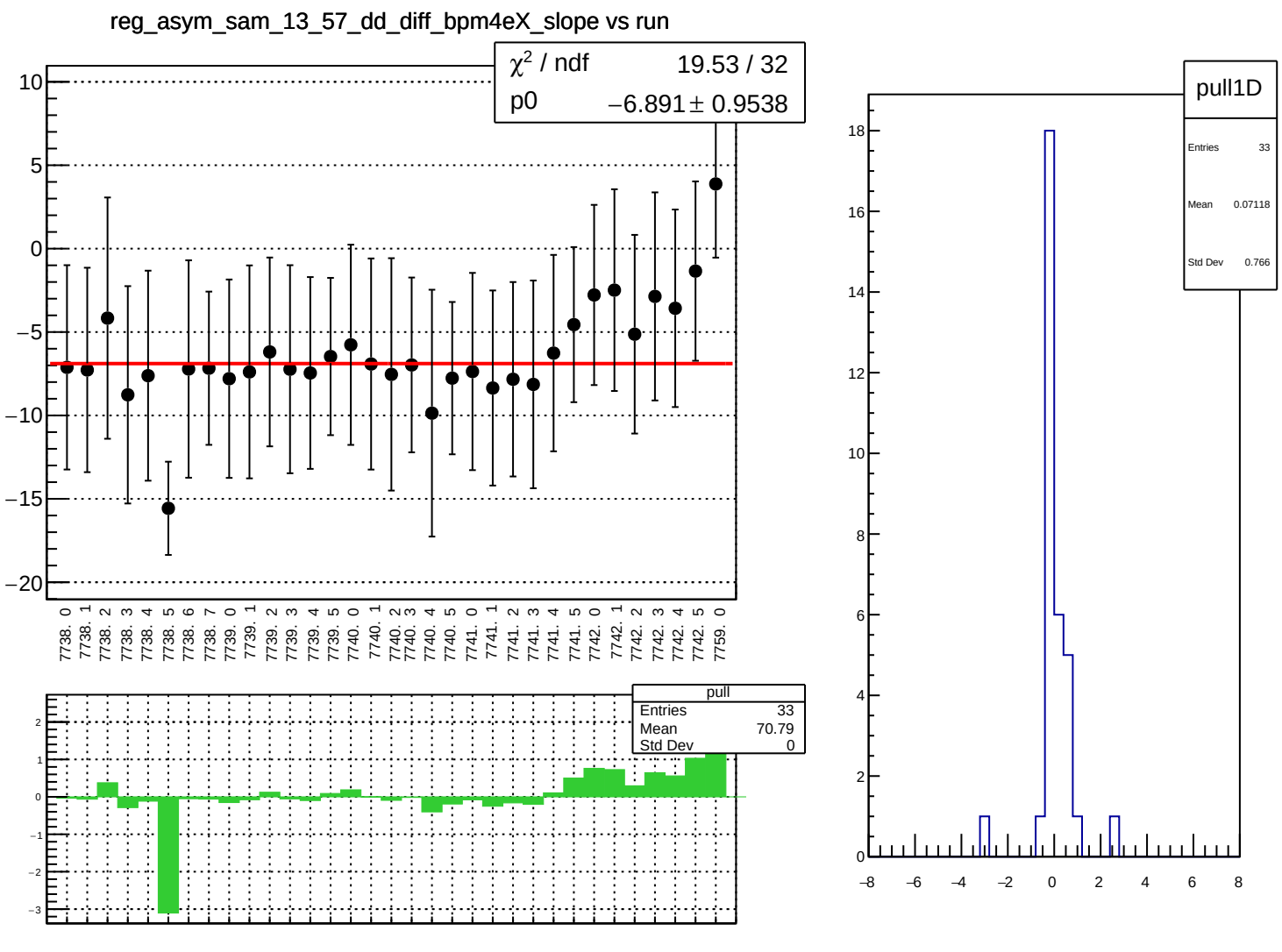

pull1D
Entries 33
Mean −0.06894
Std Dev 0.3857
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

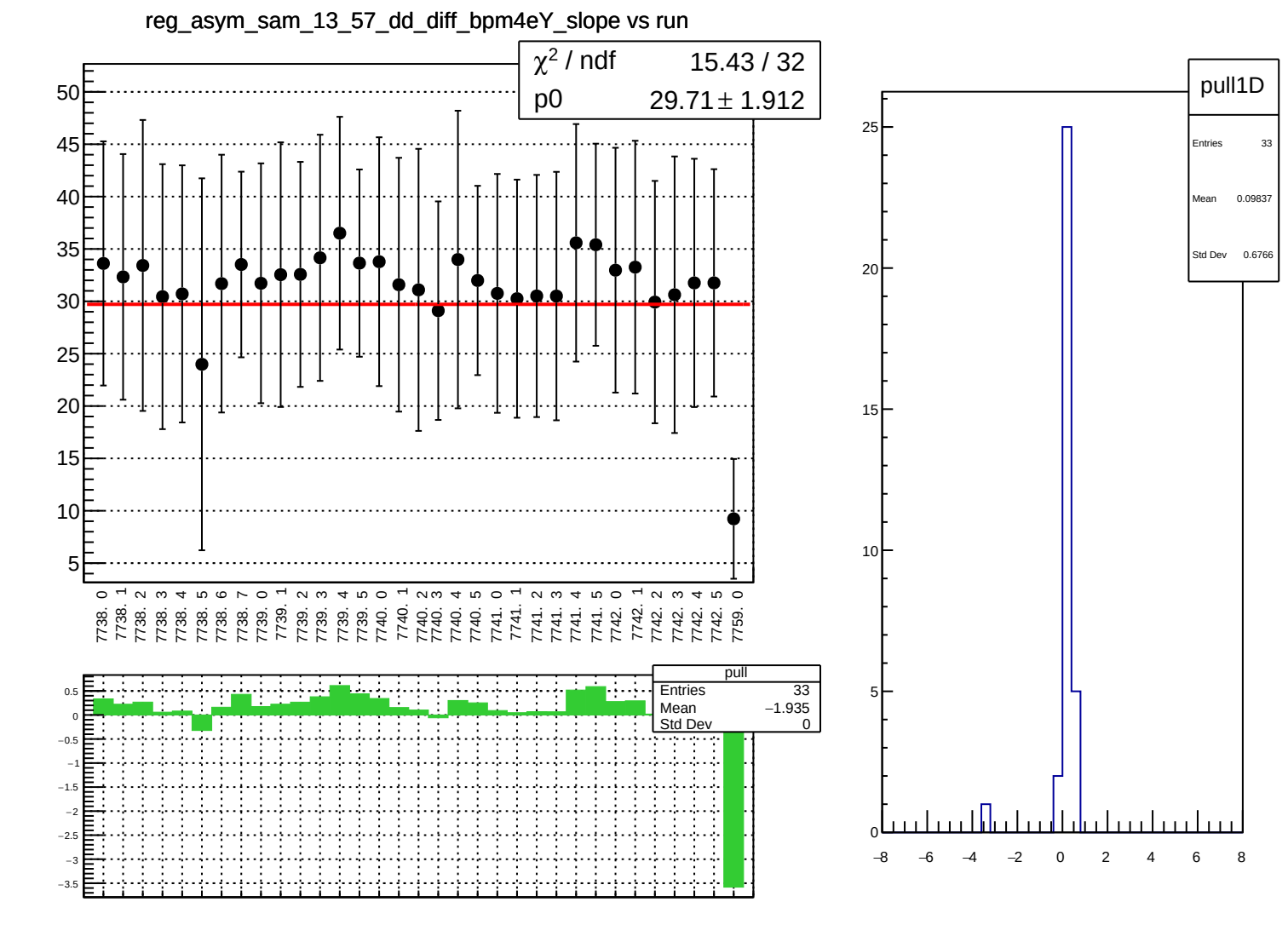

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 13.7 / 32
p0 −12.13 ± 0.9541
0
−5
−10
−15
−20
−25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 77.75
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

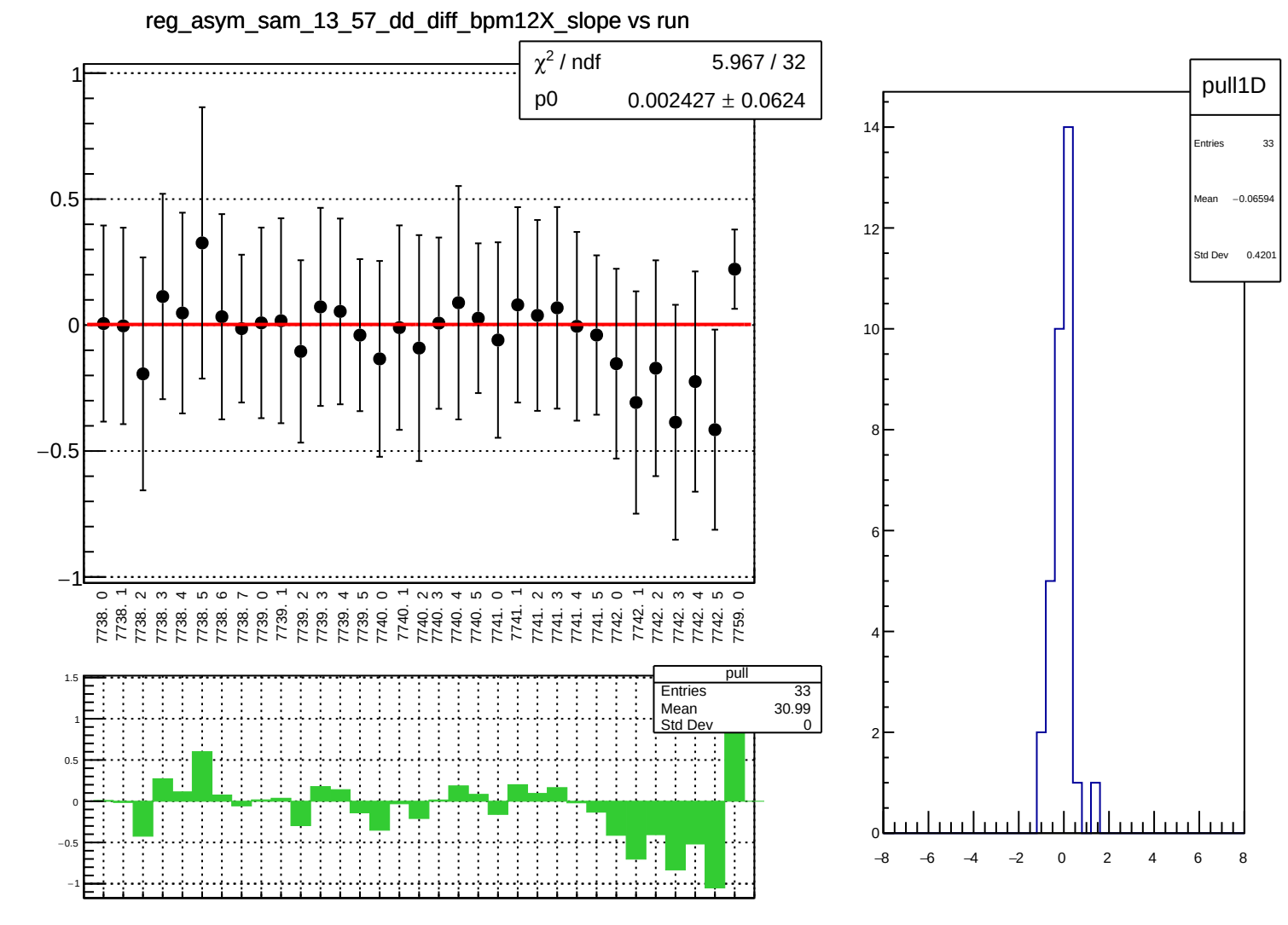

pull1D
Entries 33
Mean −0.05571
Std Dev 0.642
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

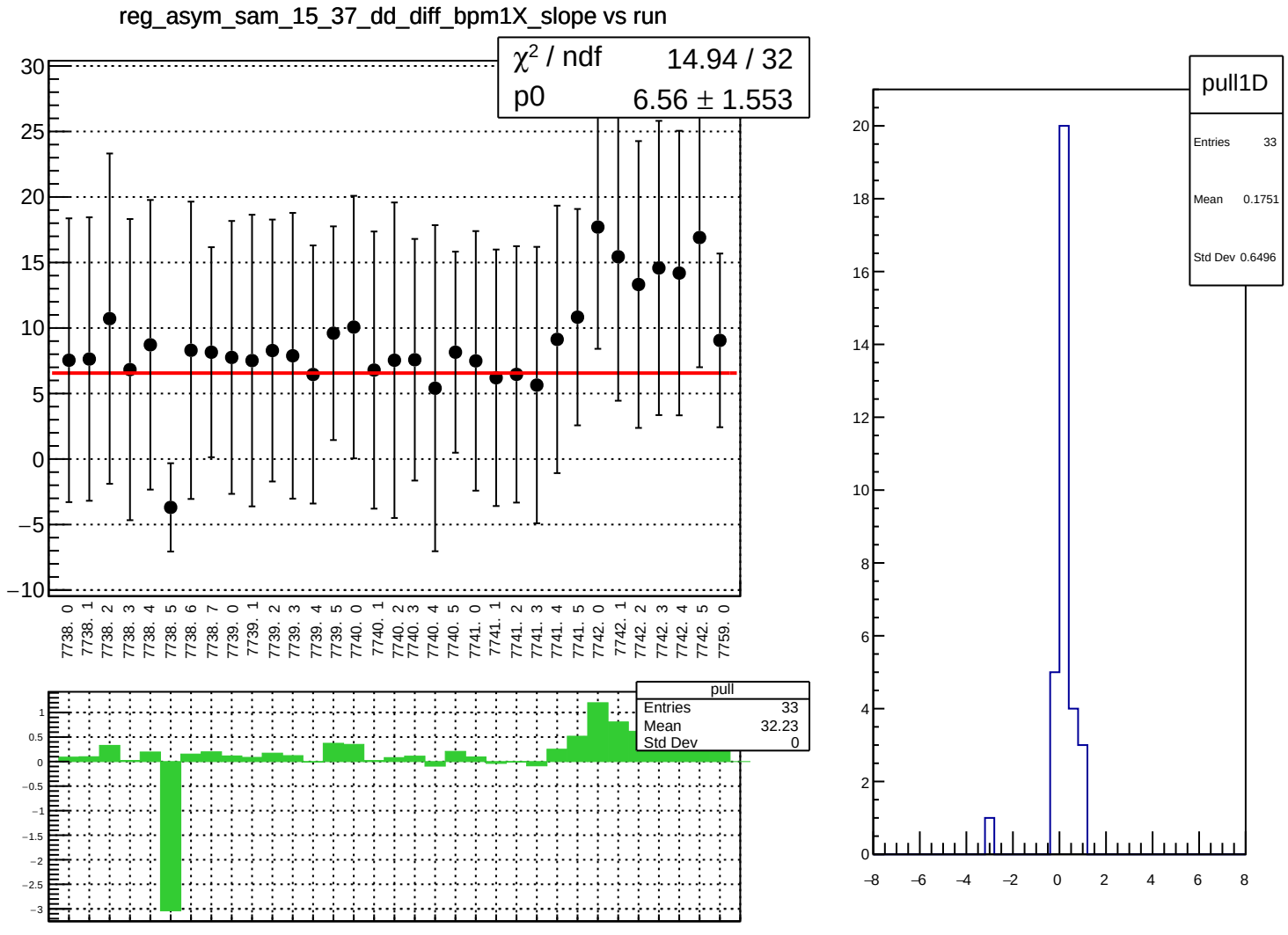

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.438 / 32
p0 −51.26 ± 1.067
−35
−40
−45
−50
−55
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 44.25
Std Dev 13.23
0.6
0.4
0.2
0
−0.2
−0.4

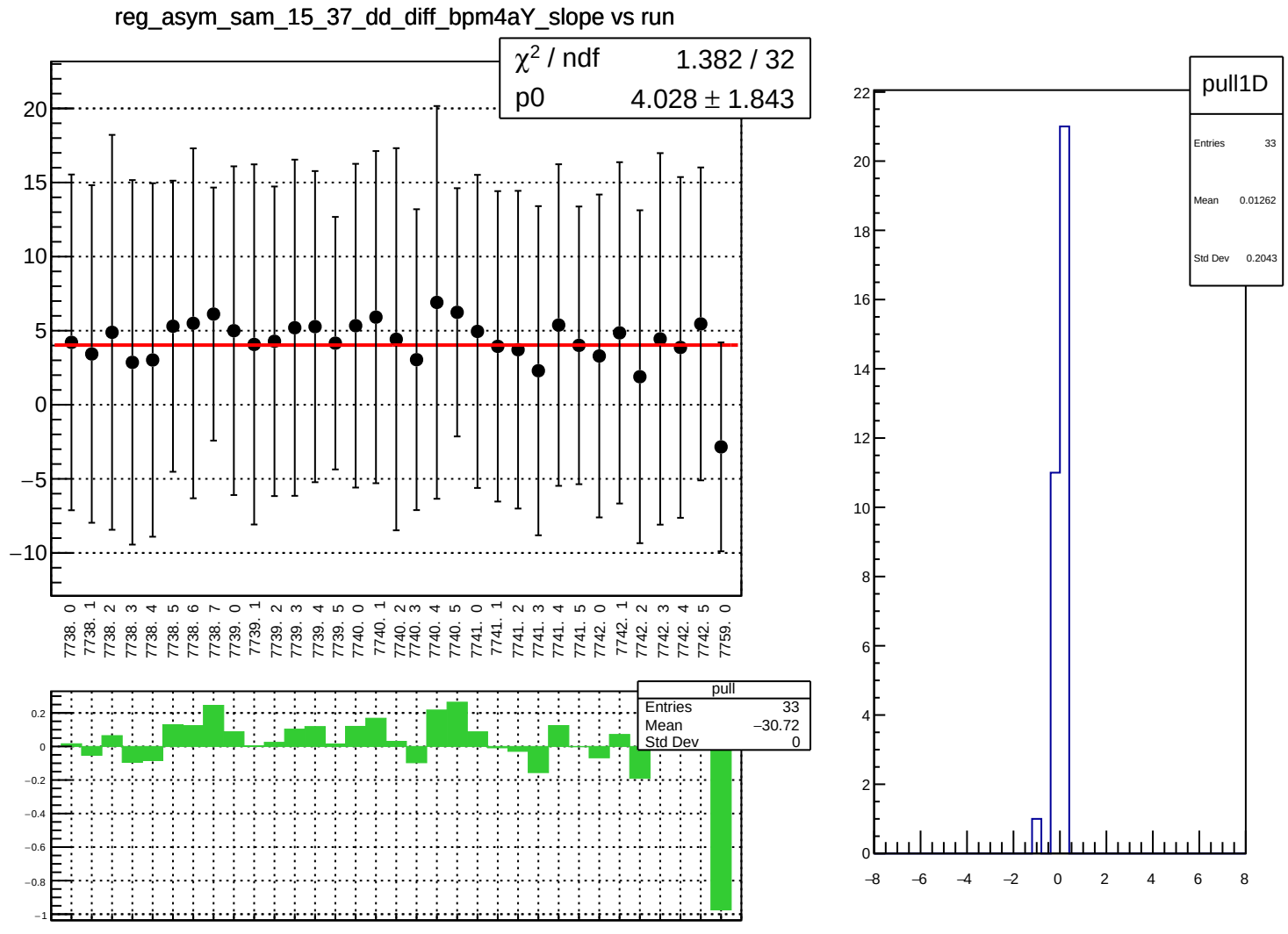

pull1D
Entries 33
Mean 0.006027
Std Dev 0.2087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

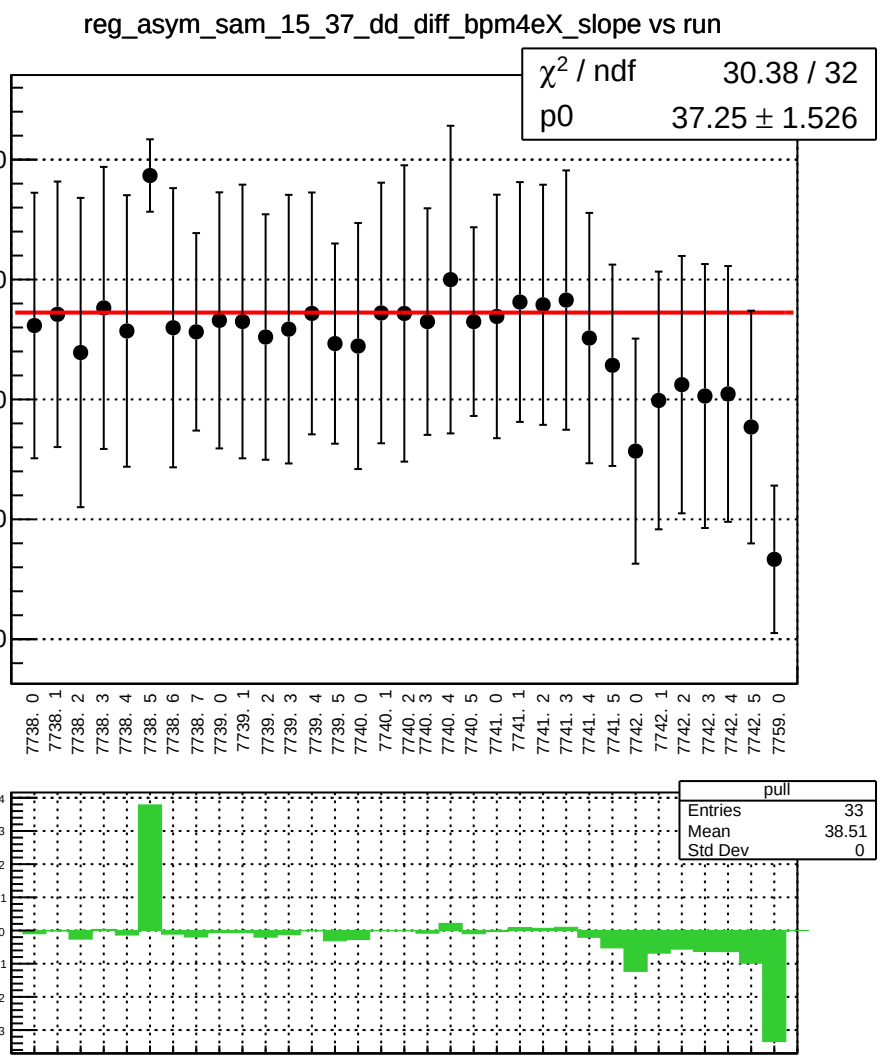

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.53 / 32
p0 −6.891 ± 0.9538
10
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 70.79
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.07118
Std Dev 0.766
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

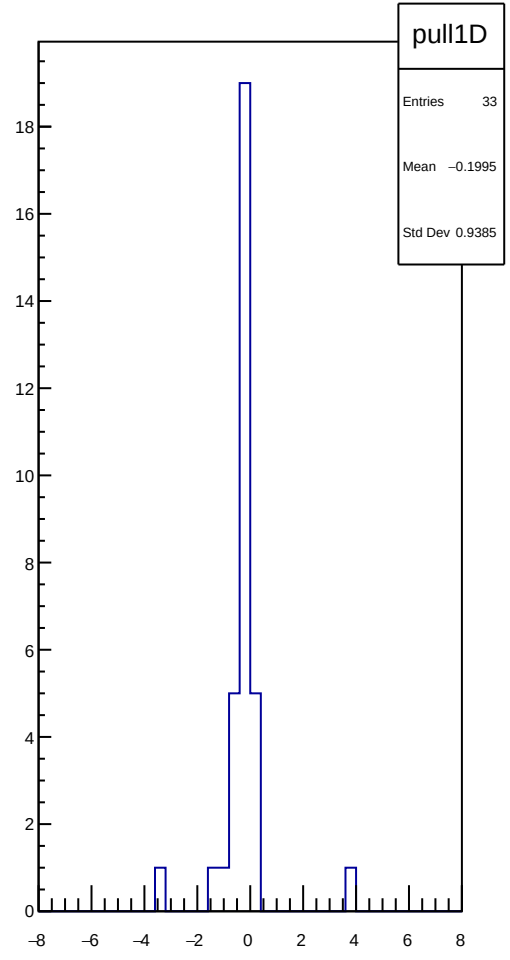

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.43 / 32
p0 29.71 ± 1.912
pull
Entries 33
Mean −1.935
Std Dev 0
pull1D
Entries 33
Mean 0.09837
Std Dev 0.6766

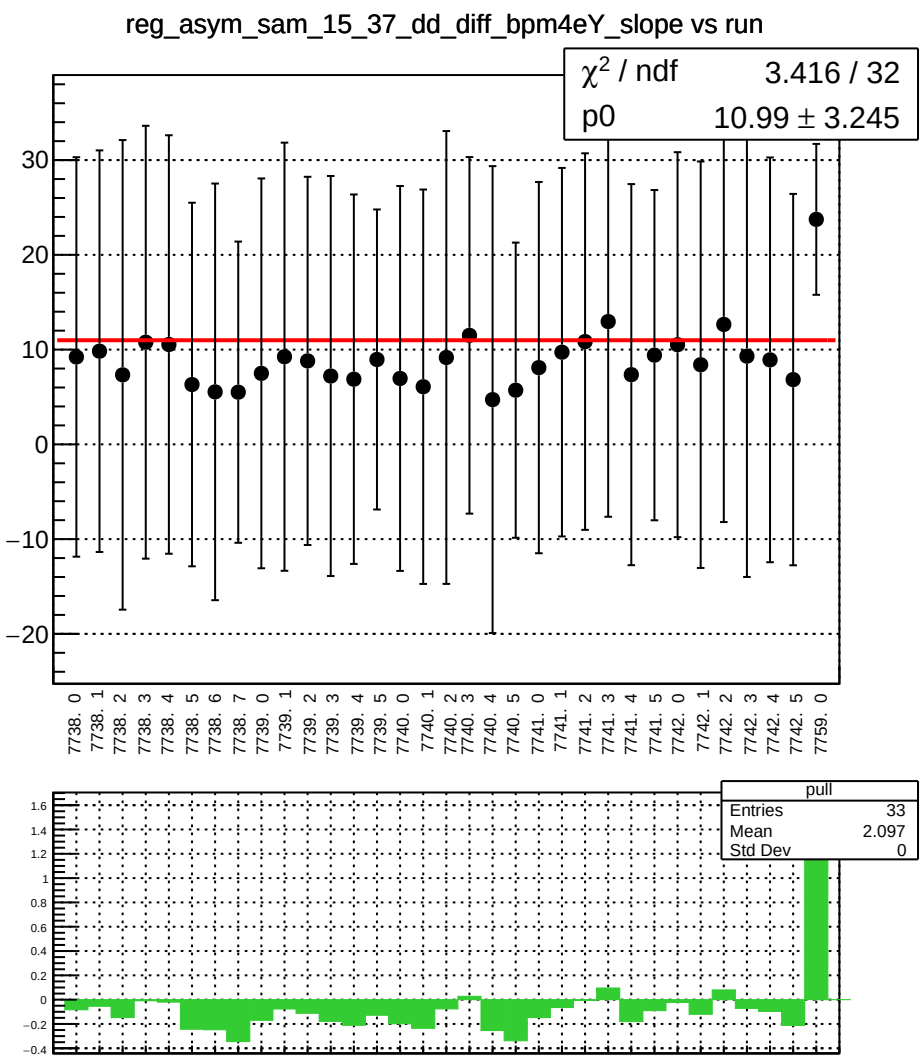

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 5.967 / 32
p0 0.002427 ± 0.0624
pull
Entries 33
Mean 30.99
Std Dev 0
pull1D
Entries 33
Mean −0.06594
Std Dev 0.4201

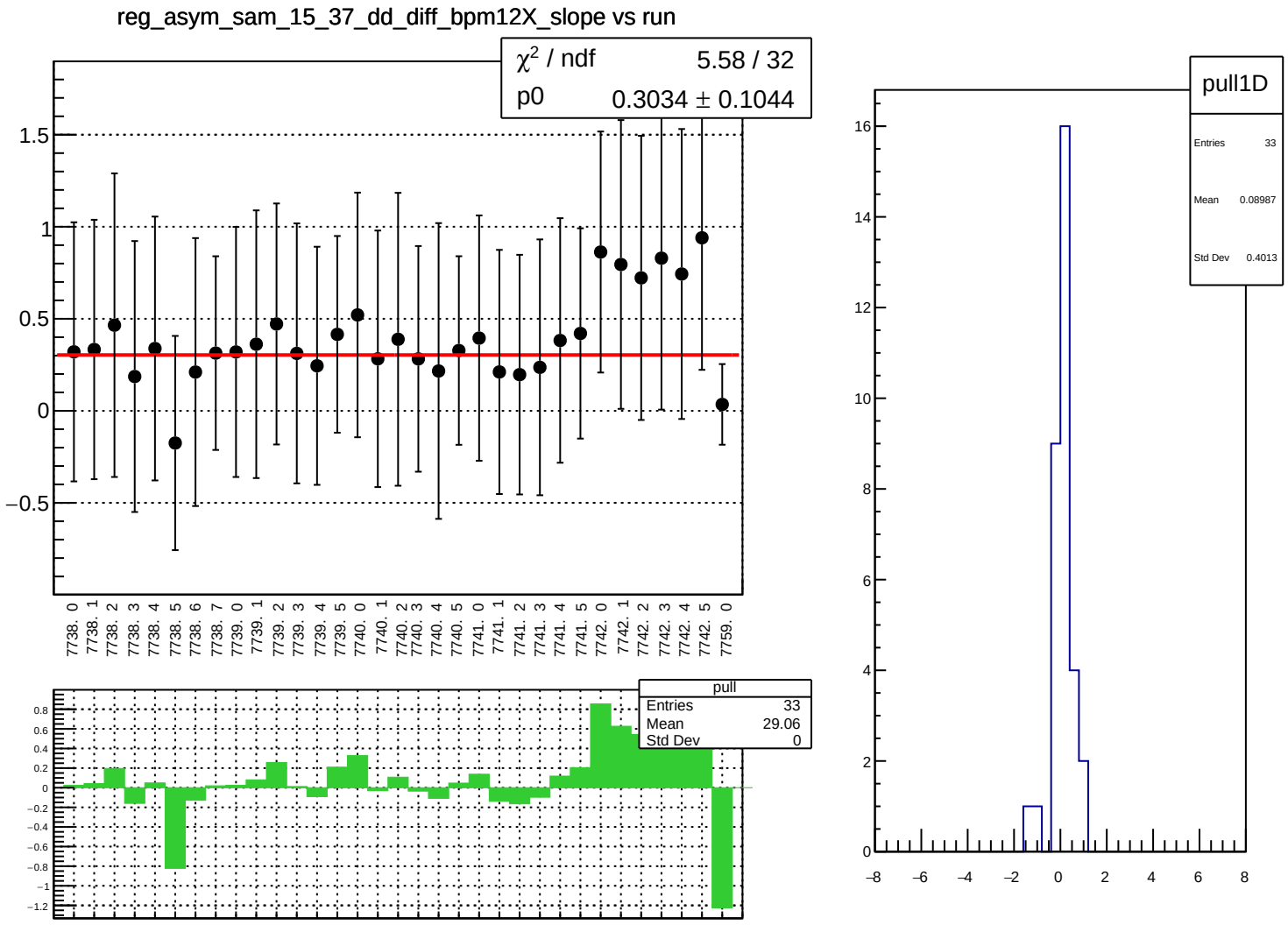

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 14.94 / 32
p0 6.56 ± 1.553
30
25
20
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.23
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 33
Mean 0.1751
Std Dev 0.6496
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

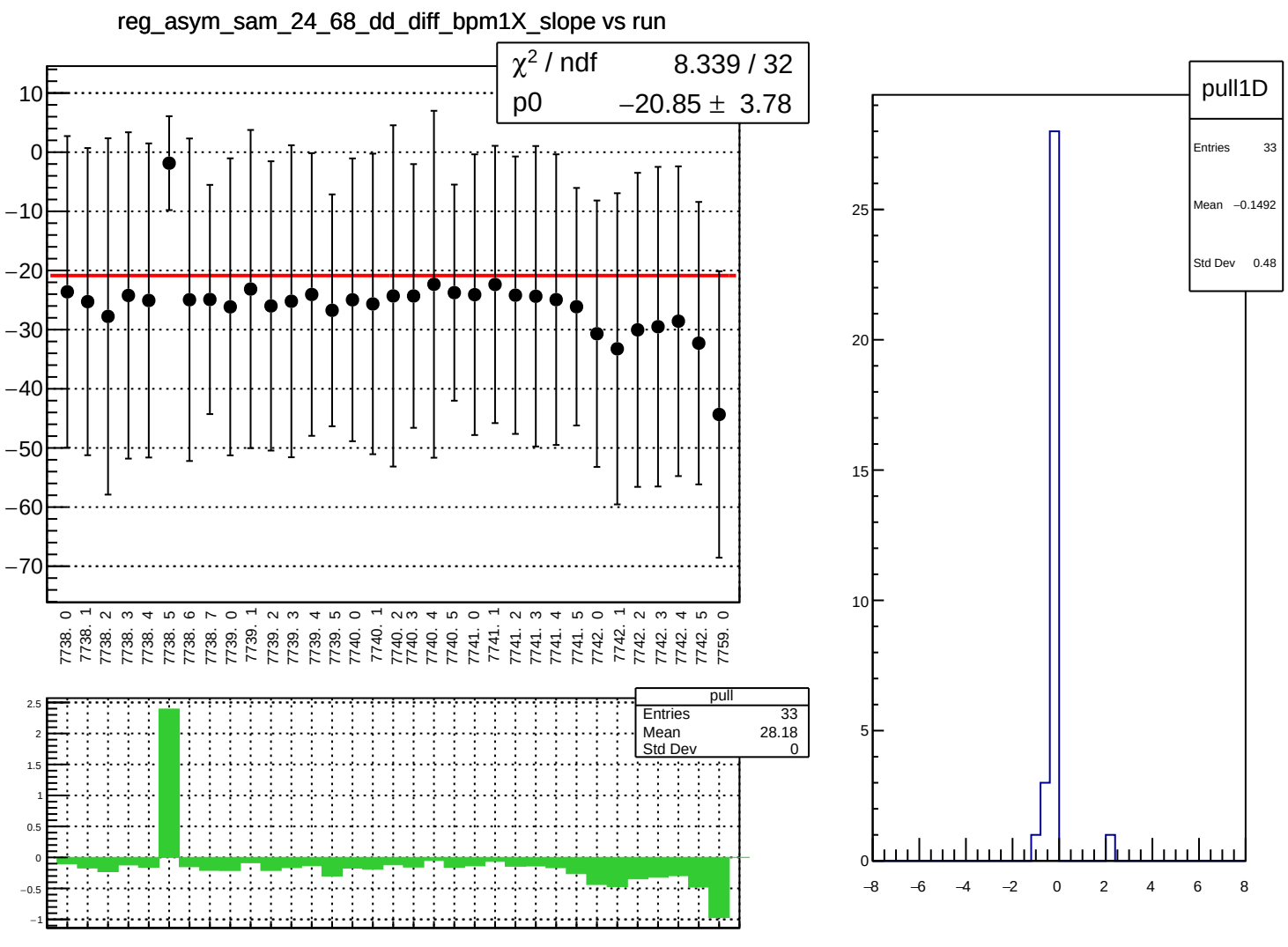

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.382 / 32
p0 4.028 ± 1.843
pull
Entries 33
Mean −30.72
Std Dev 0
pull1D
Entries 33
Mean 0.01262
Std Dev 0.2043

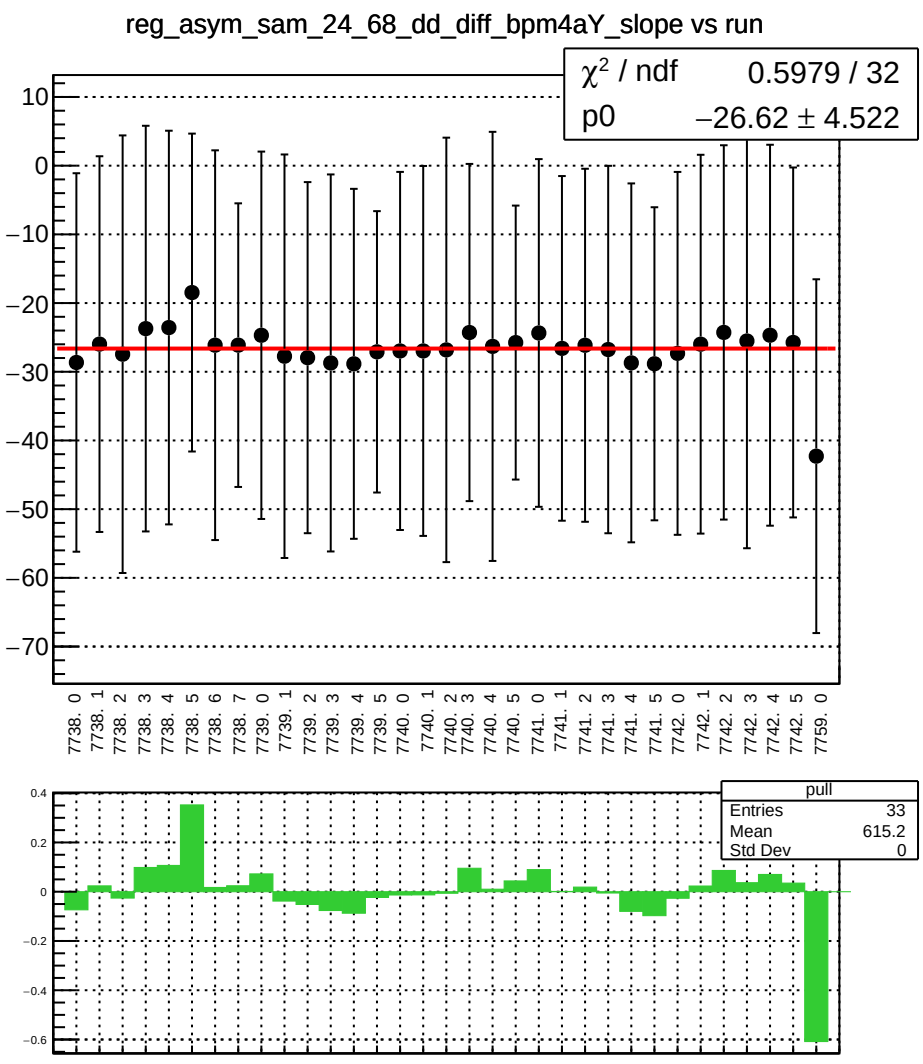

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.38 / 32
p0 37.25 ± 1.526
pull
Entries 33
Mean 38.51
Std Dev 0

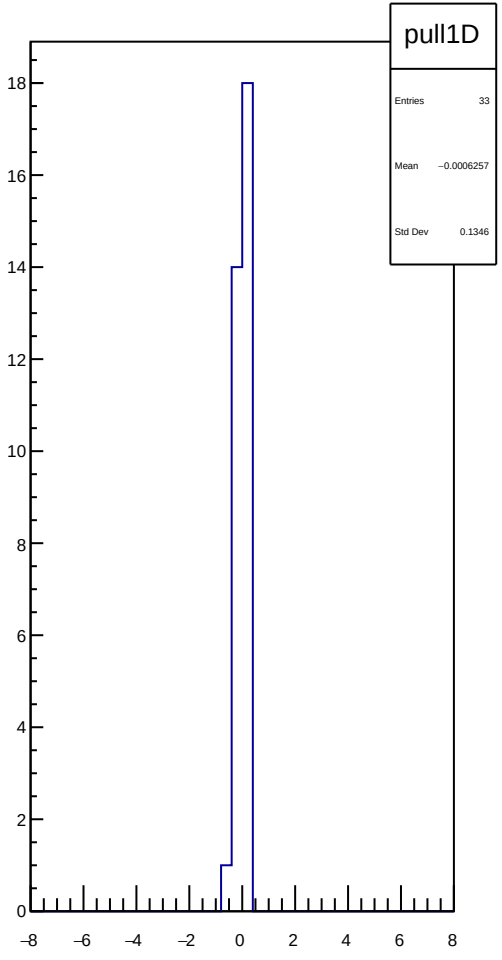

pull1D
Entries 33
Mean −0.1995
Std Dev 0.9385

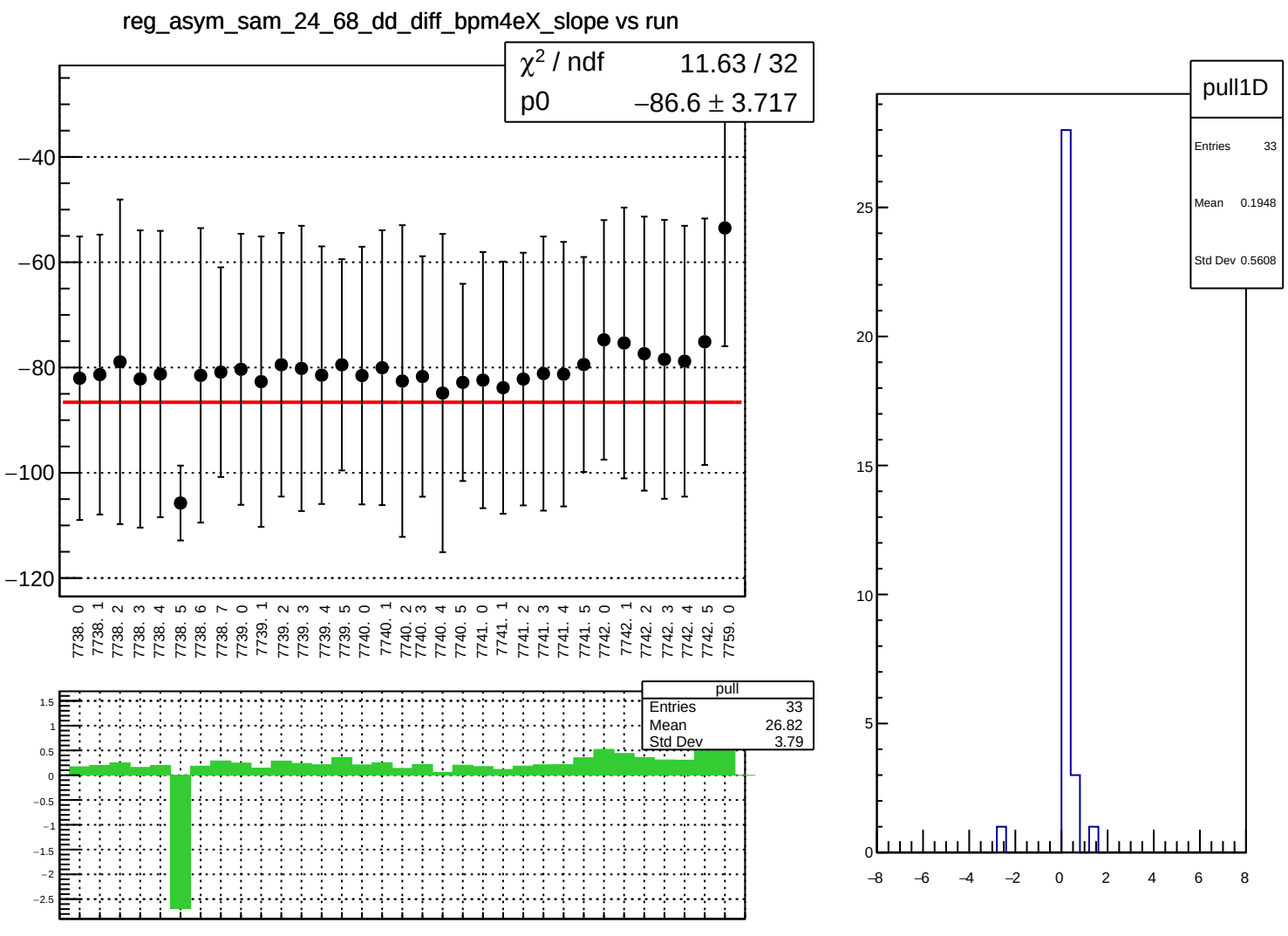

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.416 / 32
p0 10.99 ± 3.245
30
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.097
Std Dev 0
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.07089
Std Dev 0.3138
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

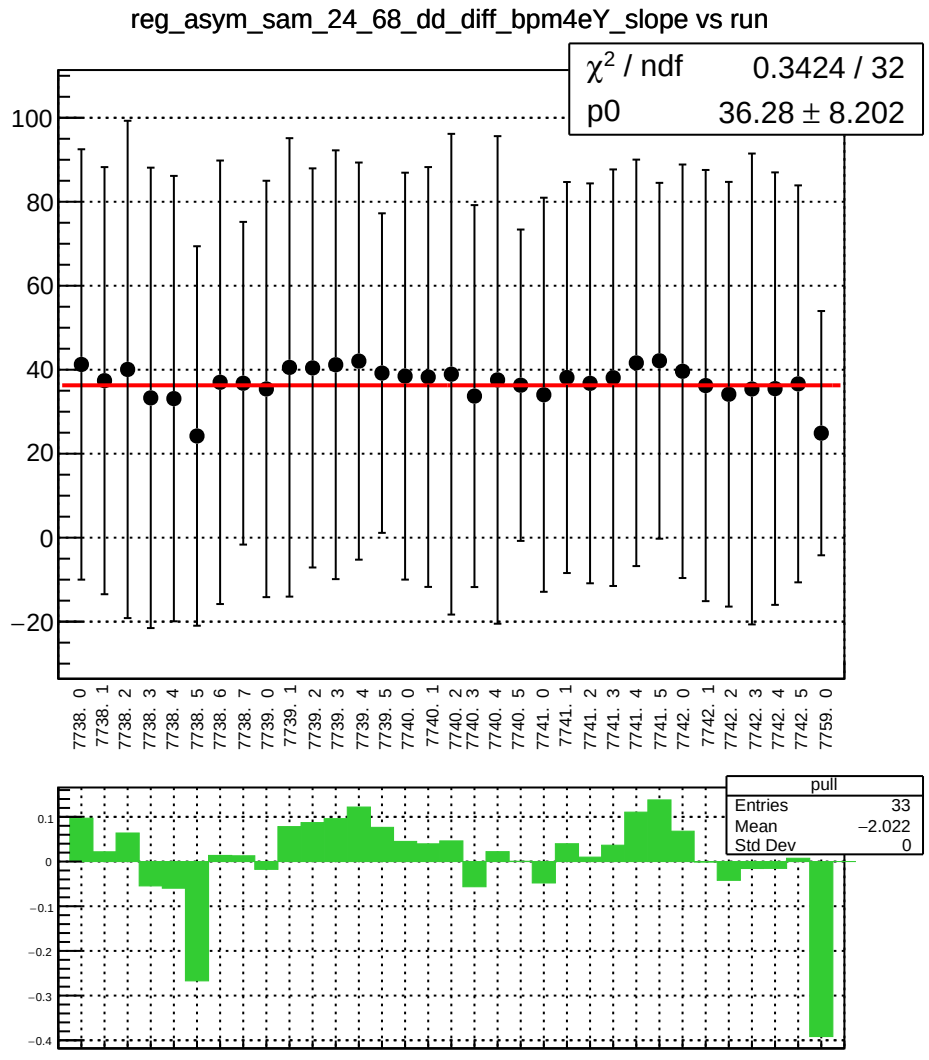

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 5.58 / 32
p0 0.3034 ± 0.1044
1.5
1
0.5
0
−0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.06
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 33
Mean 0.08987
Std Dev 0.4013
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

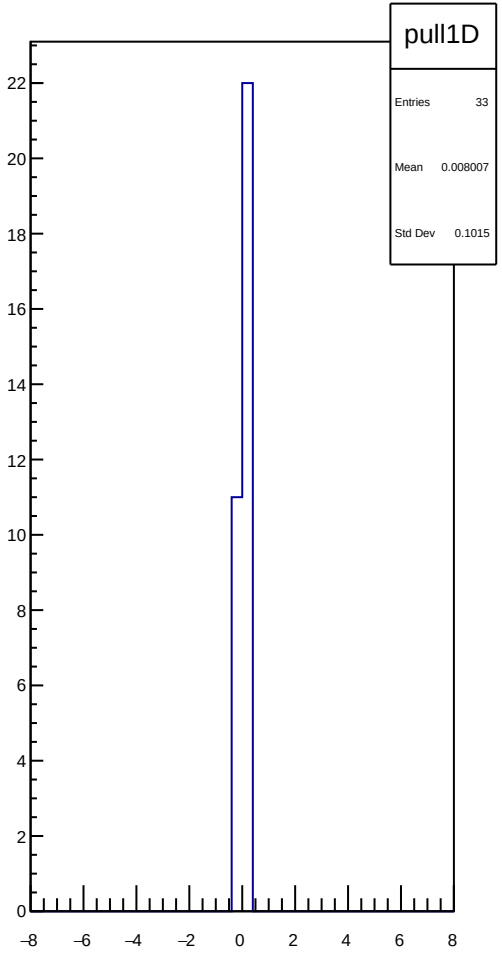

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 8.339 / 32
p0 −20.85 ± 3.78
10
0
−10
−20
−30
−40
−50
−60
−70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 28.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.1492
Std Dev 0.48
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

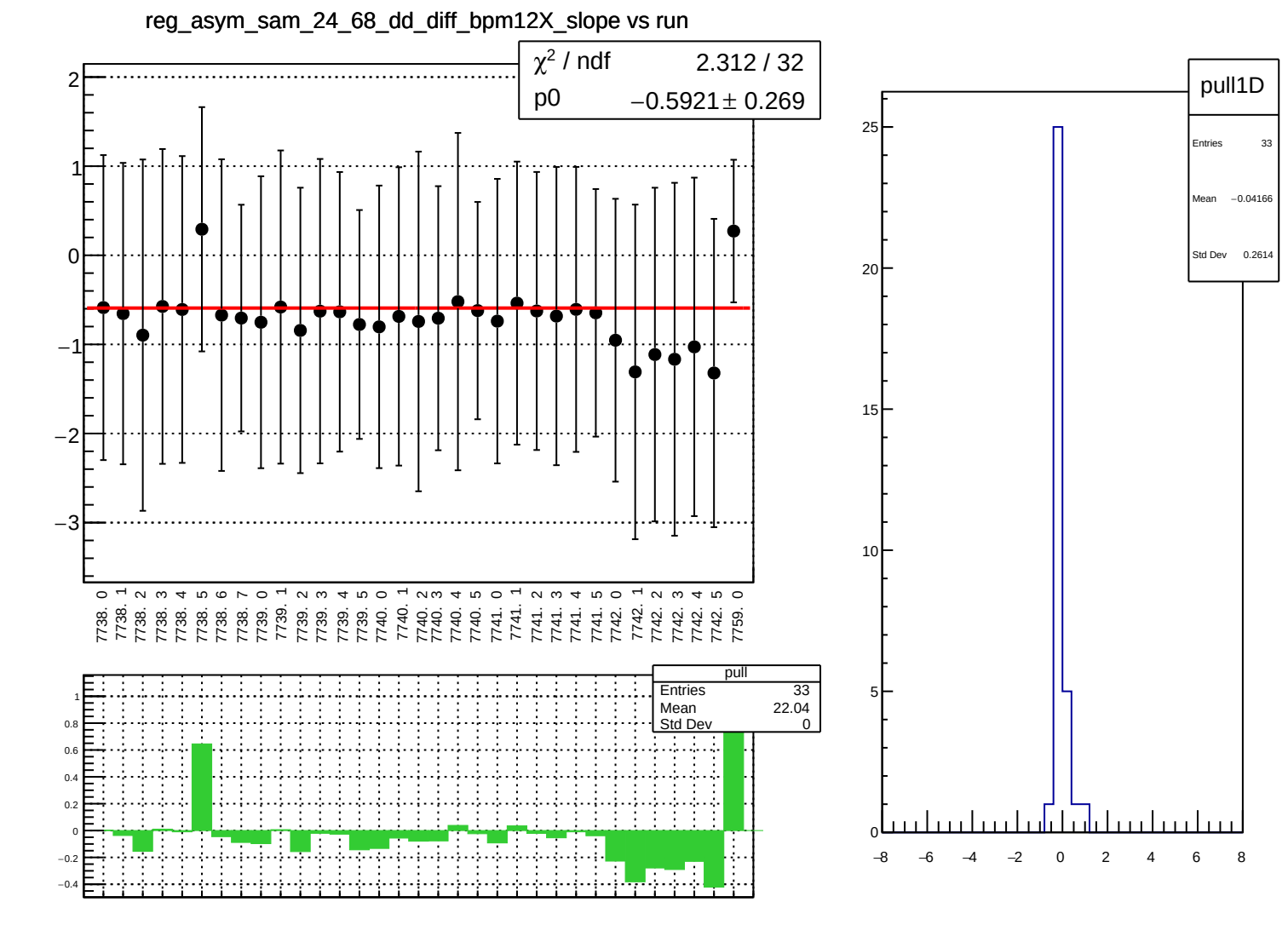

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.5979 / 32
p0 −26.62 ± 4.522
pull
Entries 33
Mean 615.2
Std Dev 0

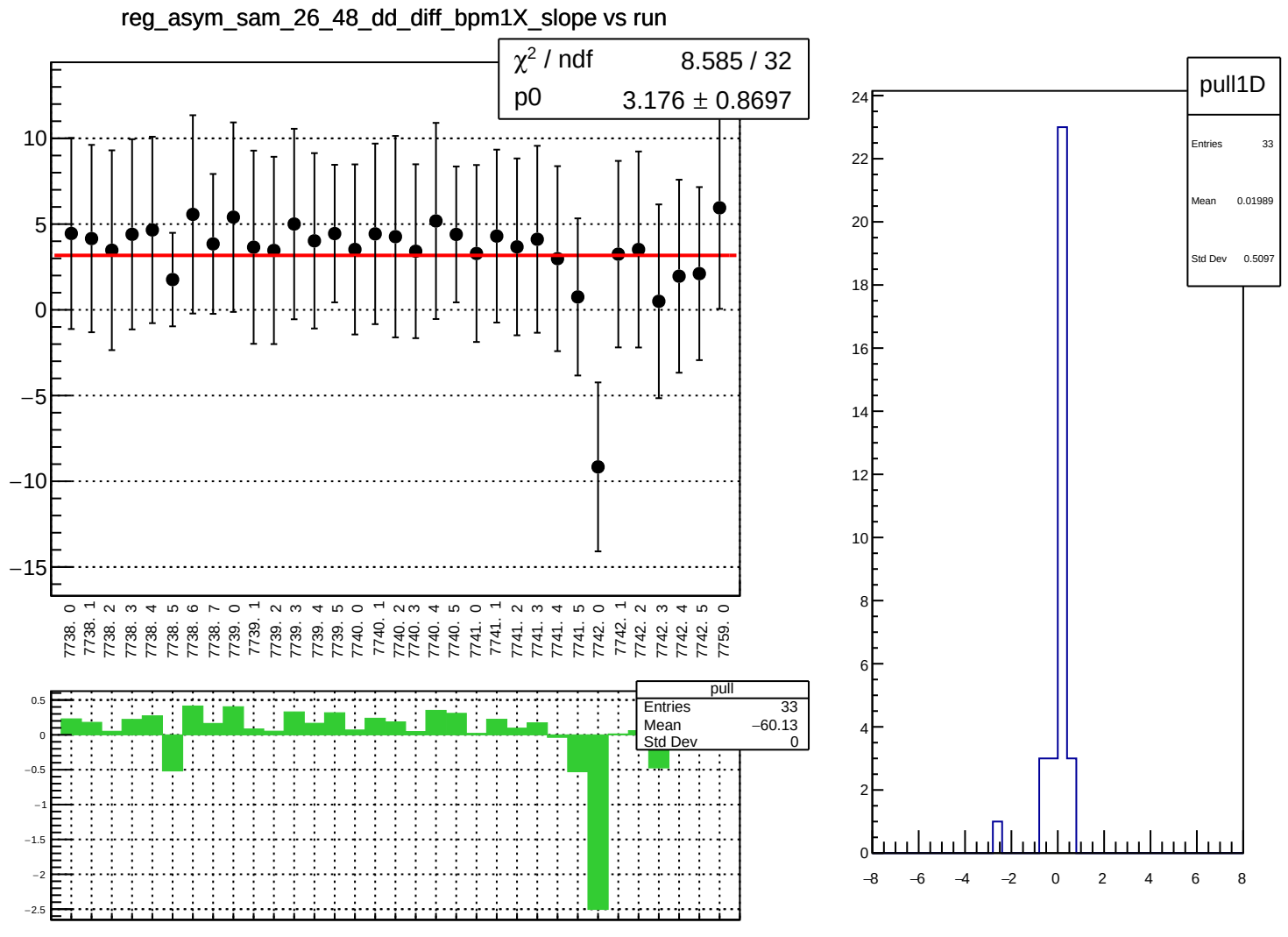

pull1D
Entries 33
Mean −0.0006257
Std Dev 0.1346

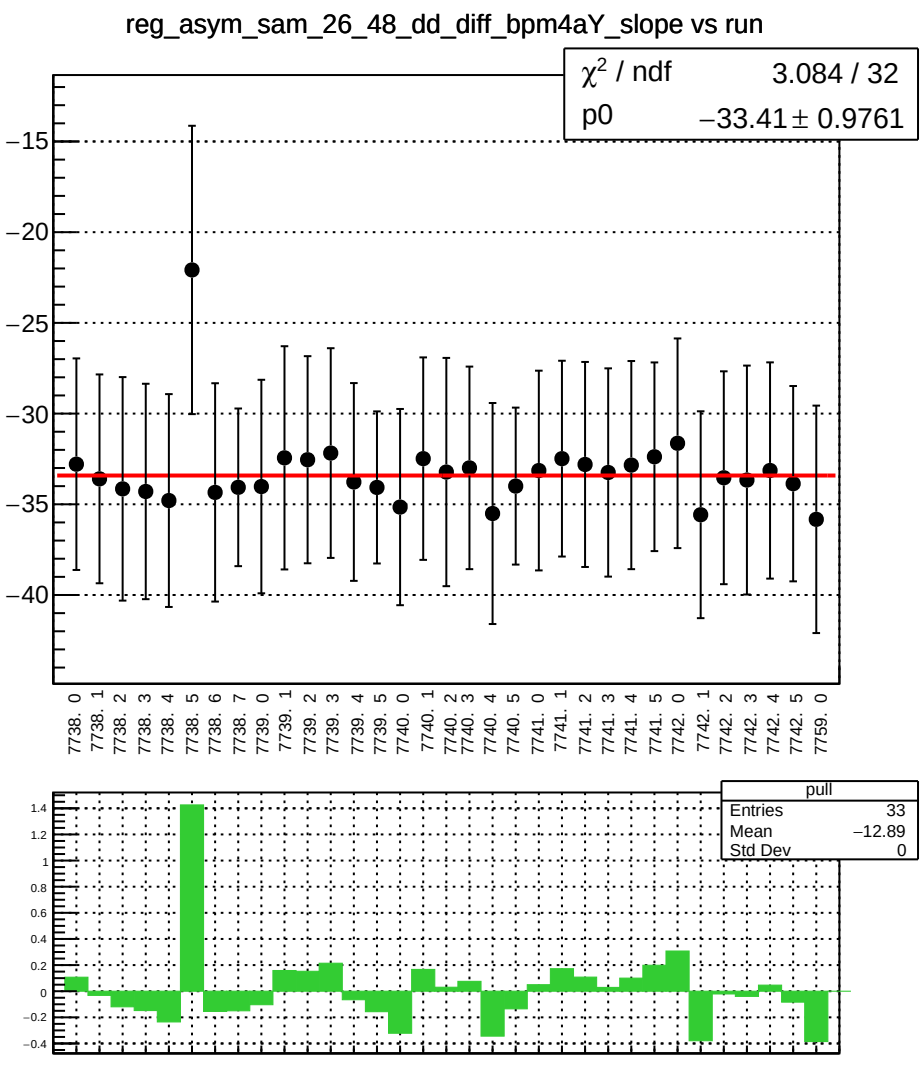

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.63 / 32
p0 −86.6 ± 3.717
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.82
Std Dev 3.79
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.1948
Std Dev 0.5608
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

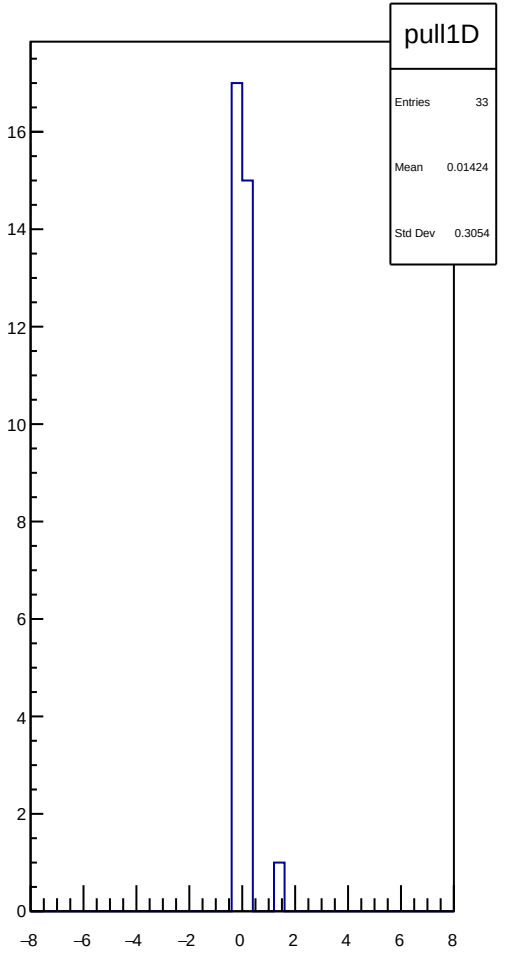

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.3424 / 32
p0 36.28 ± 8.202
100
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.022
Std Dev 0
0.1
0
−0.1
−0.2
−0.3
−0.4

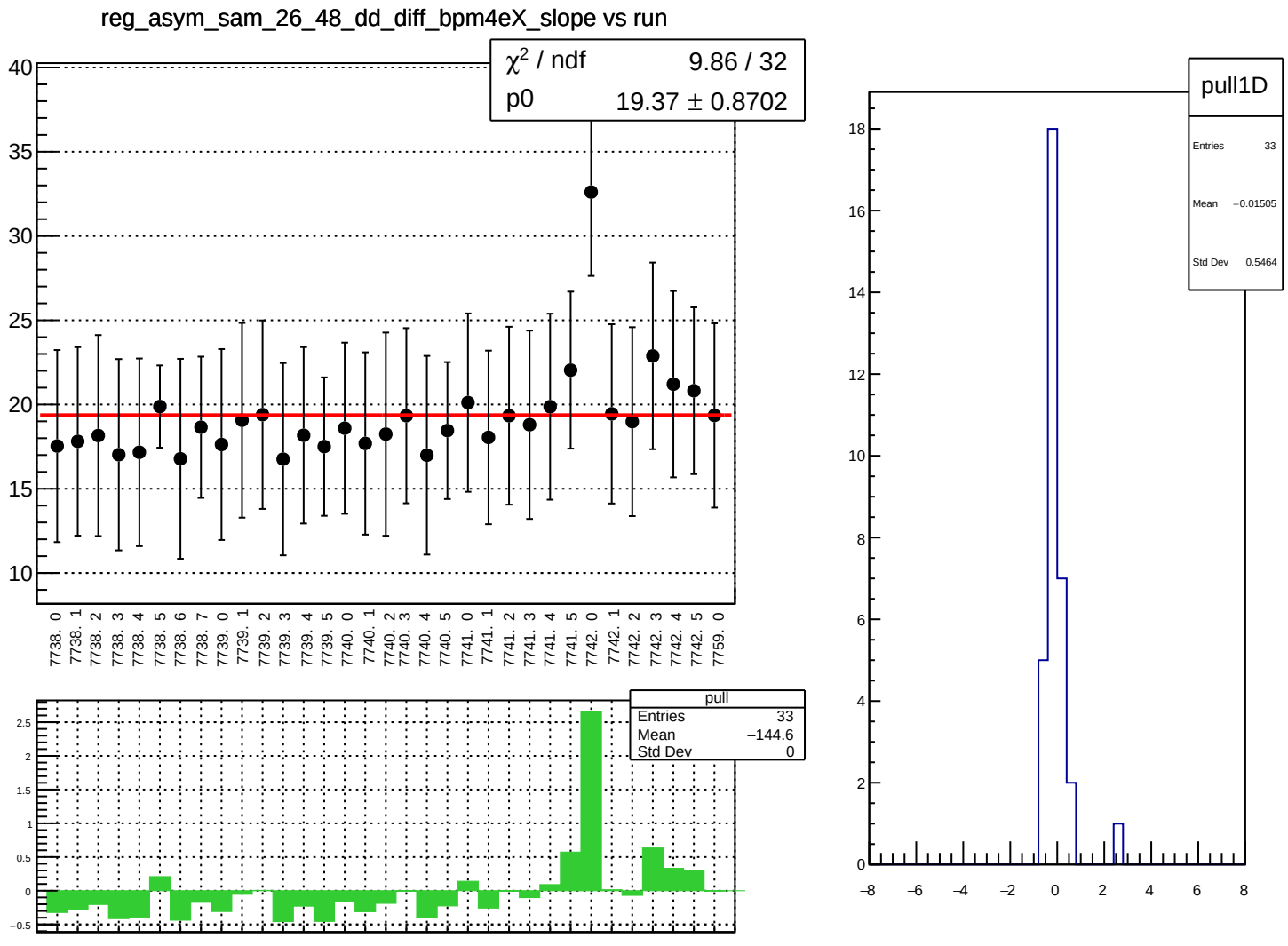

pull1D
Entries 33
Mean 0.008007
Std Dev 0.1015
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

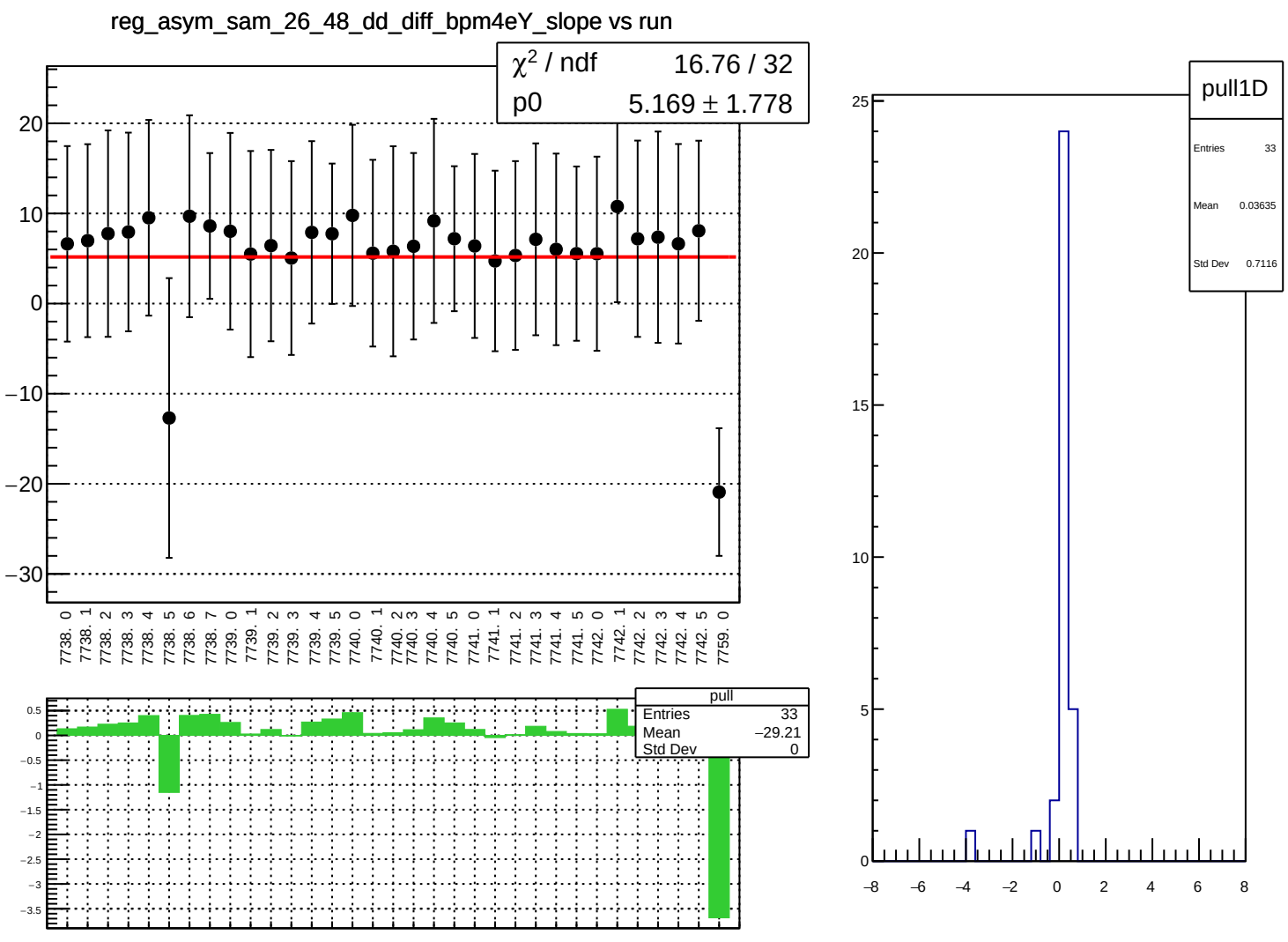

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.312 / 32
p0 −0.5921 ± 0.269
pull
Entries 33
Mean 22.04
Std Dev 0
pull1D
Entries 33
Mean −0.04166
Std Dev 0.2614

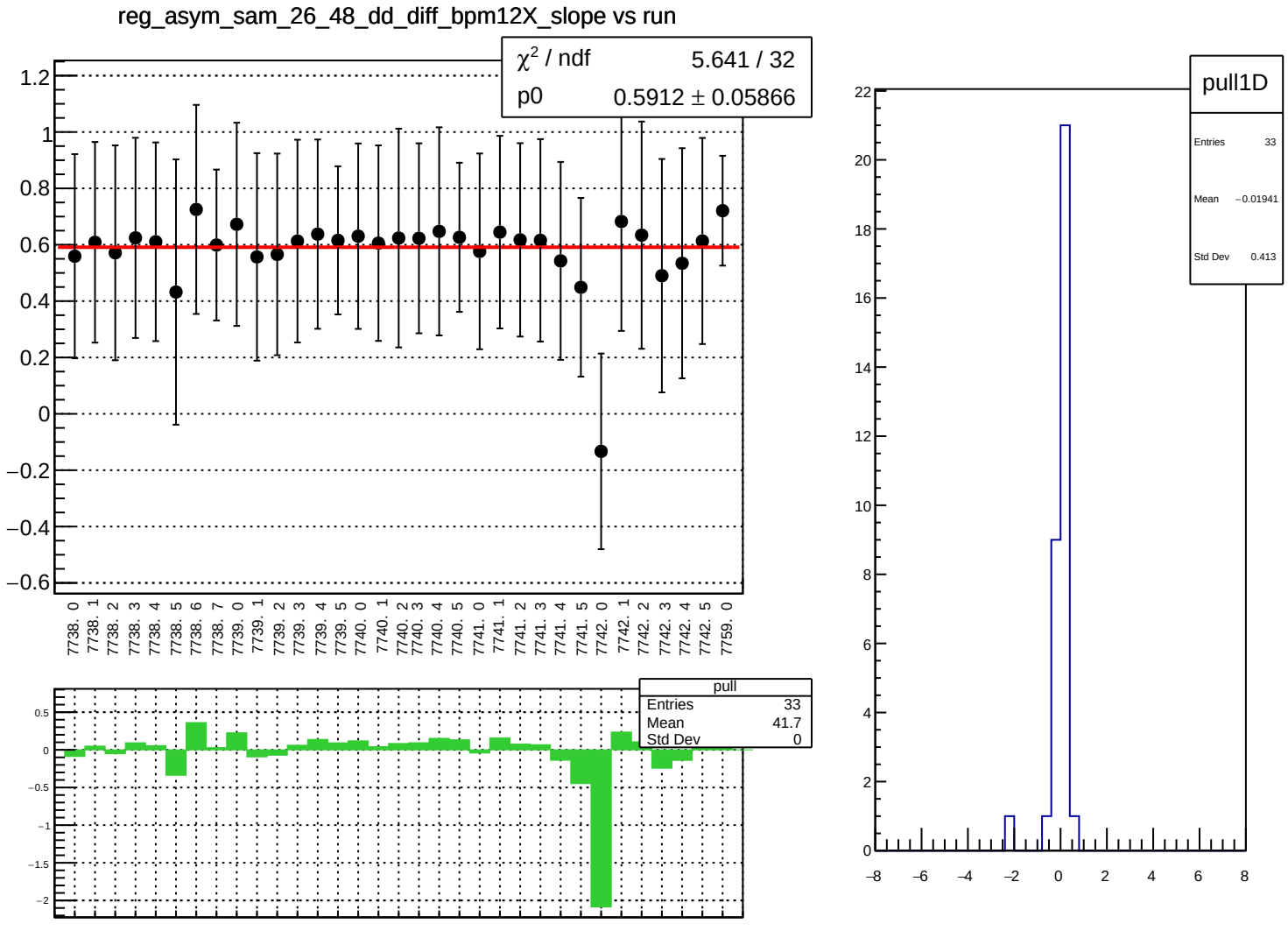

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 8.585 / 32
p0 3.176 ± 0.8697
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −60.13
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.01989
Std Dev 0.5097
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

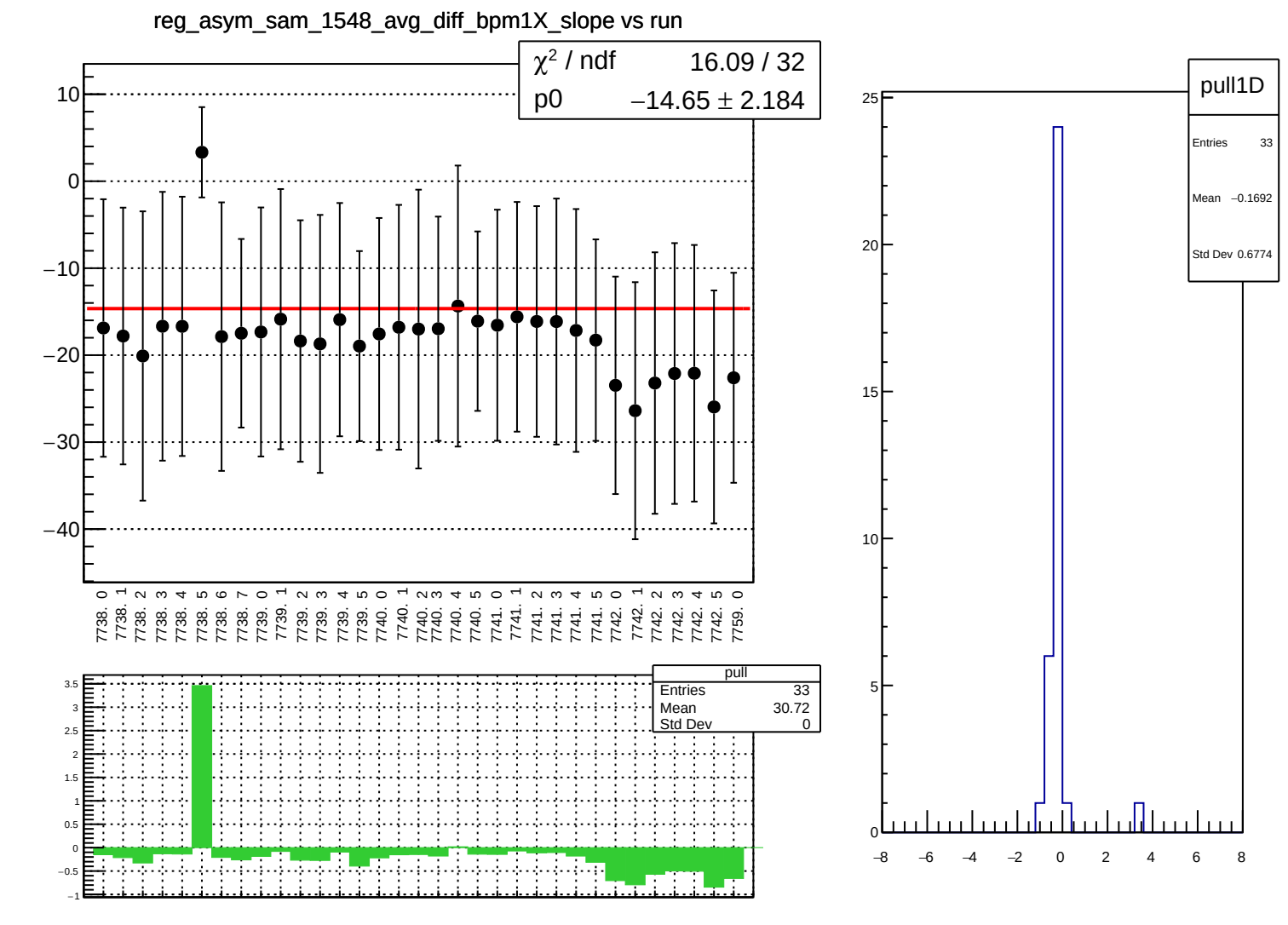

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.084 / 32
p0 −33.41 ± 0.9761
−15
−20
−25
−30
−35
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −12.89
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

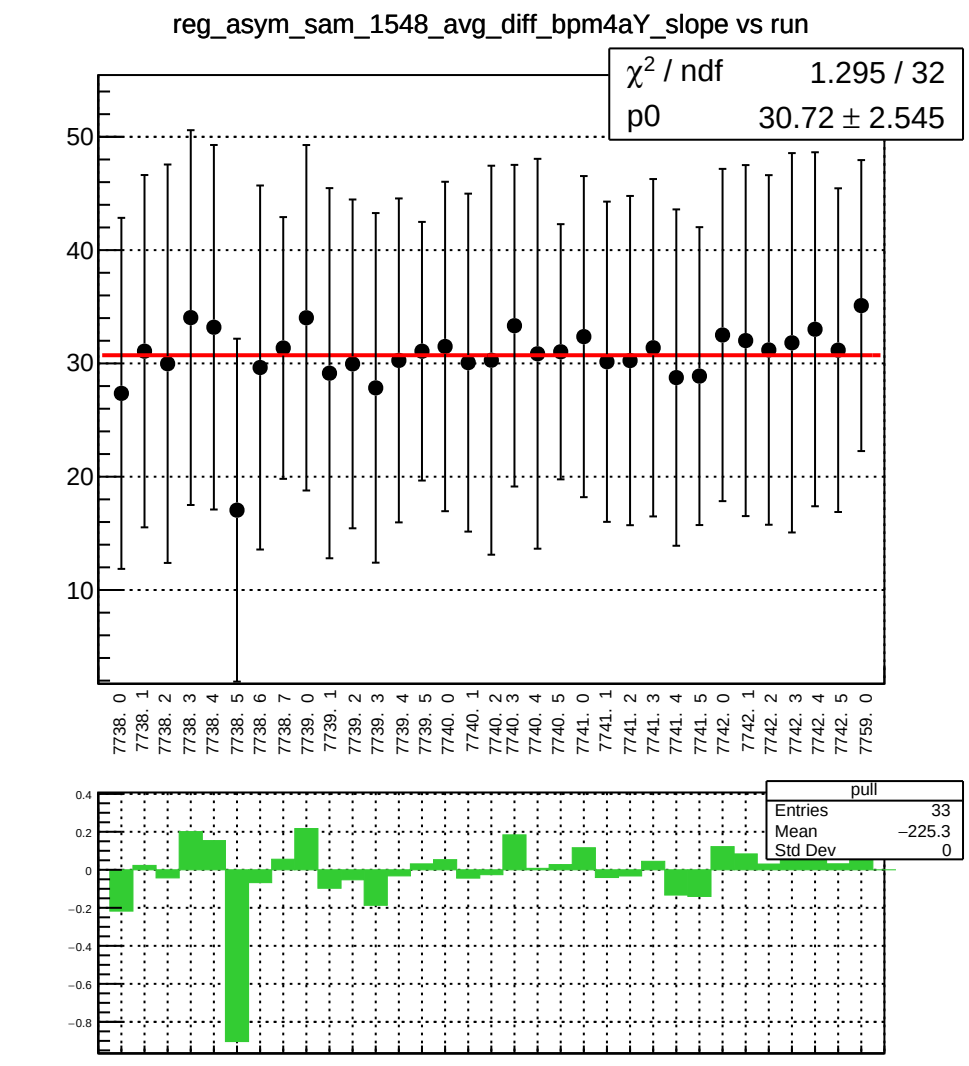

pull1D
Entries 33
Mean 0.01424
Std Dev 0.3054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

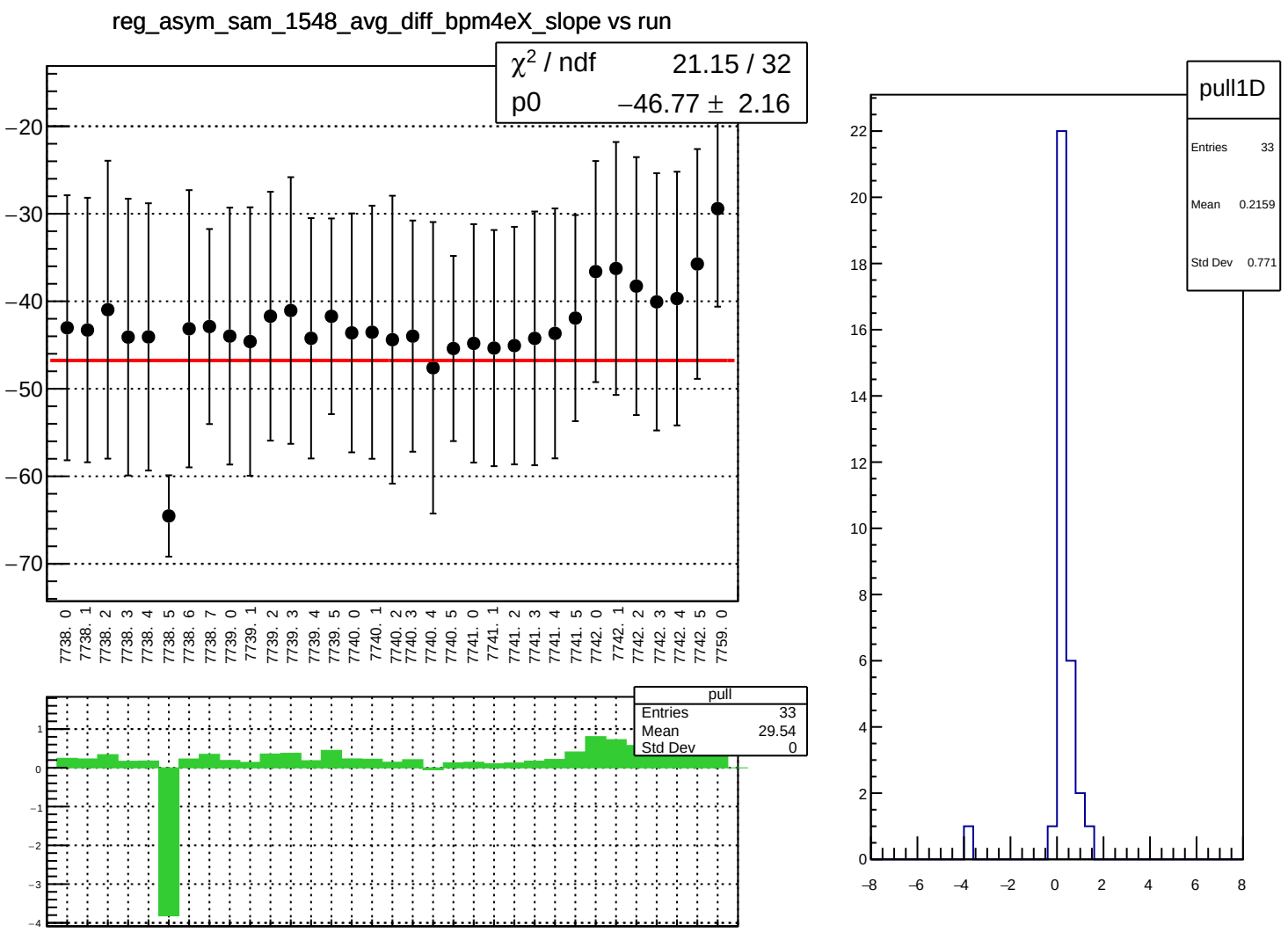

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.86 / 32
p0 19.37 ± 0.8702
40
35
30
25
20
15
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −144.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.01505
Std Dev 0.5464
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

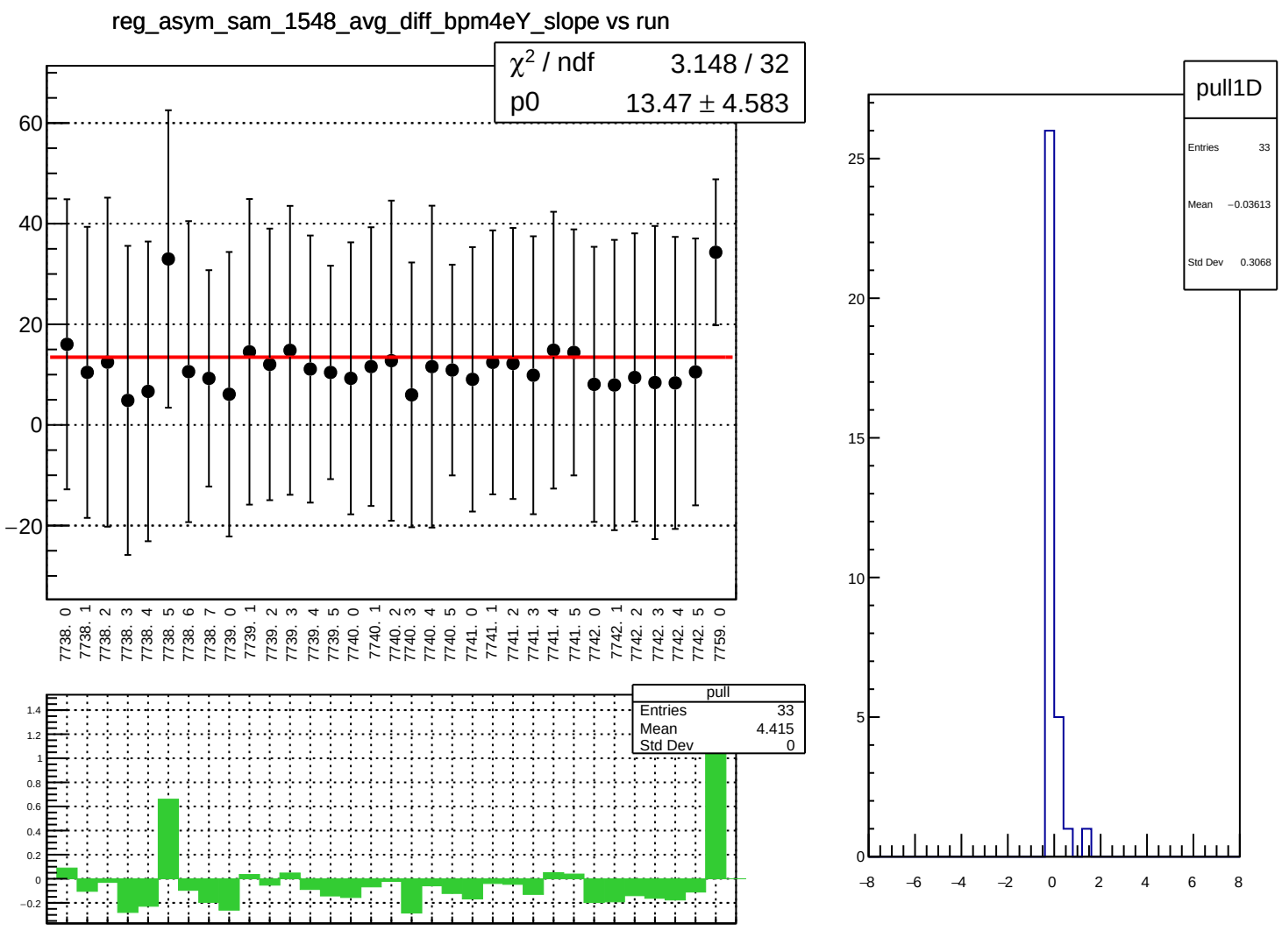

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.76 / 32
p0 5.169 ± 1.778
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −29.21
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 33
Mean 0.03635
Std Dev 0.7116
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

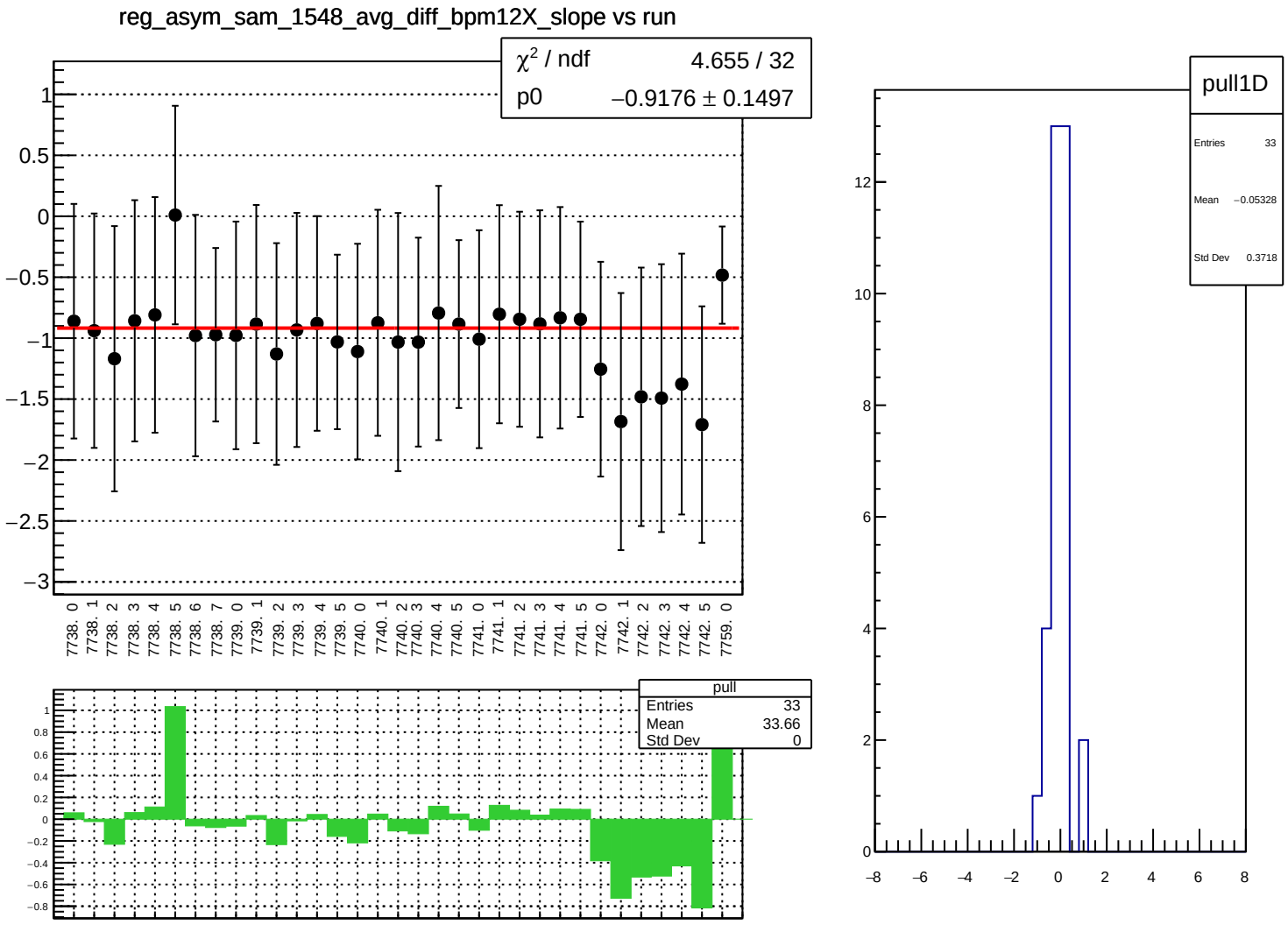

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.641 / 32
p0 0.5912 ± 0.05866
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 41.7
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01941
Std Dev 0.413
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

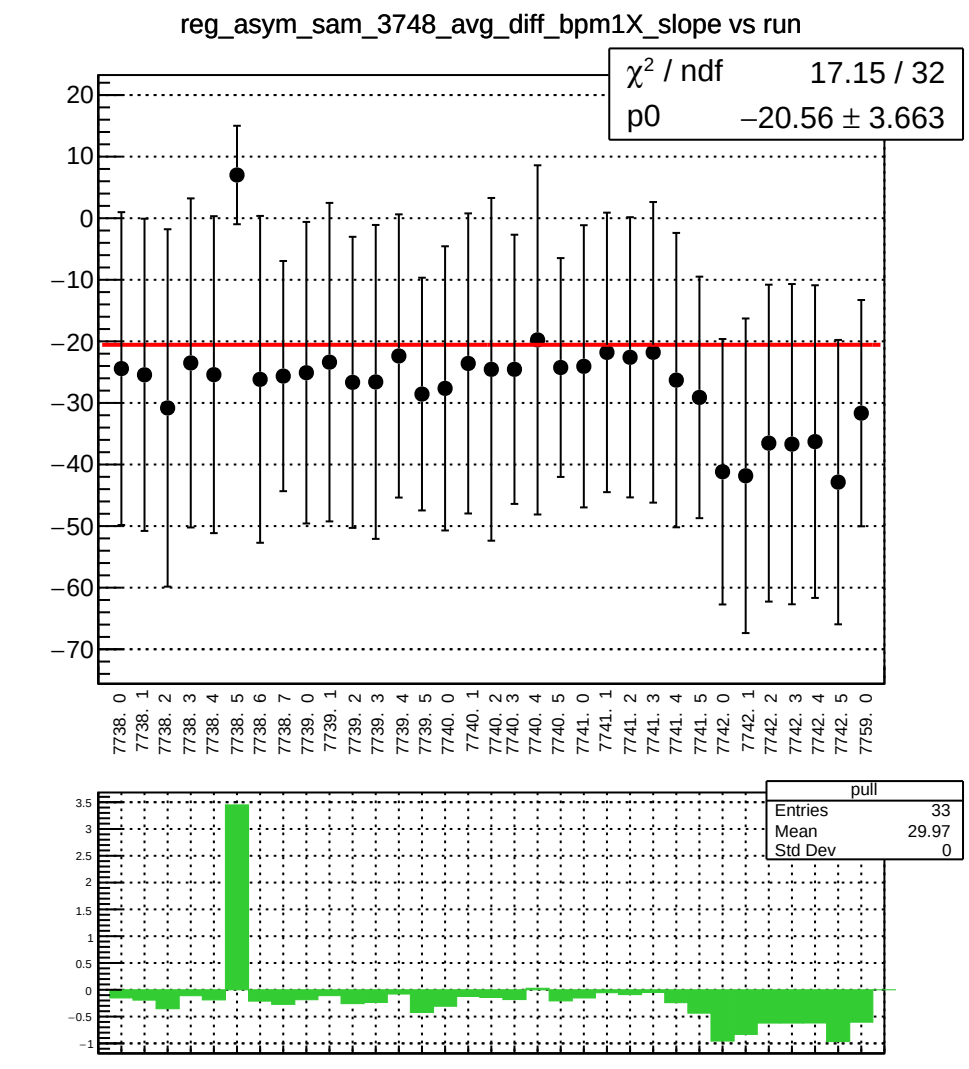

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 16.09 / 32
p0 −14.65 ± 2.184
pull
Entries 33
Mean 30.72
Std Dev 0
pull1D
Entries 33
Mean −0.1692
Std Dev 0.6774

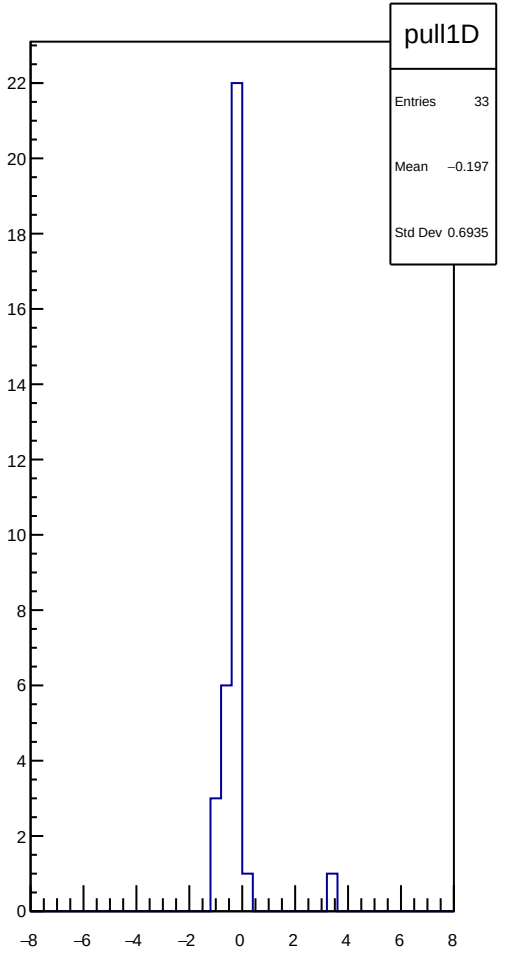

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.295 / 32
p0 30.72 ± 2.545
50
40
30
20
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −225.3
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.00241
Std Dev 0.1981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

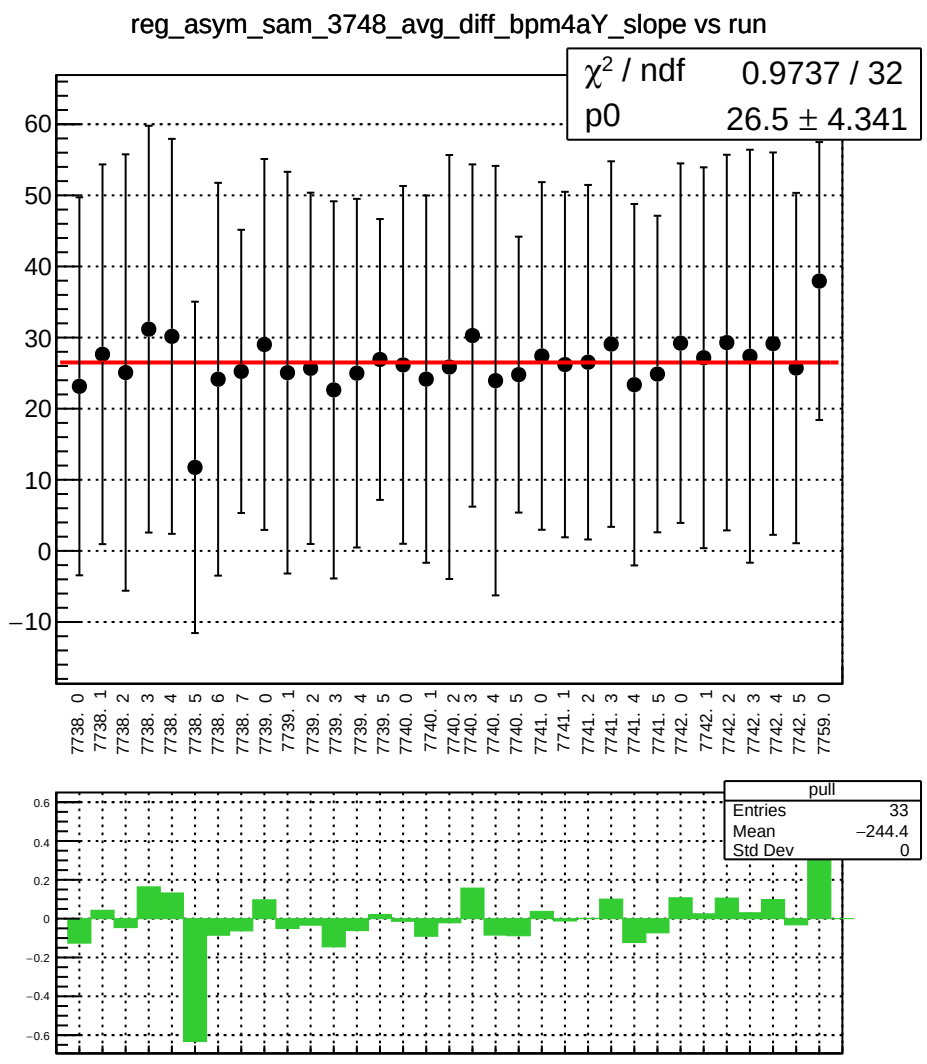

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.15 / 32
p0 −46.77 ± 2.16
−20
−30
−40
−50
−60
−70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.54
Std Dev 0
1
0
−1
−2
−3
−4
pull1D
Entries 33
Mean 0.2159
Std Dev 0.771
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

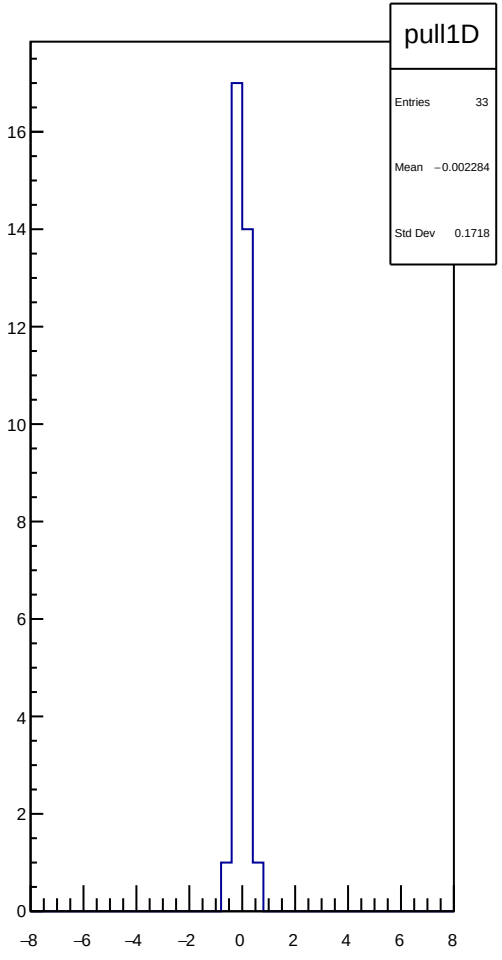

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.148 / 32
p0 13.47 ± 4.583
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.415
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
pull1D
Entries 33
Mean −0.03613
Std Dev 0.3068
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

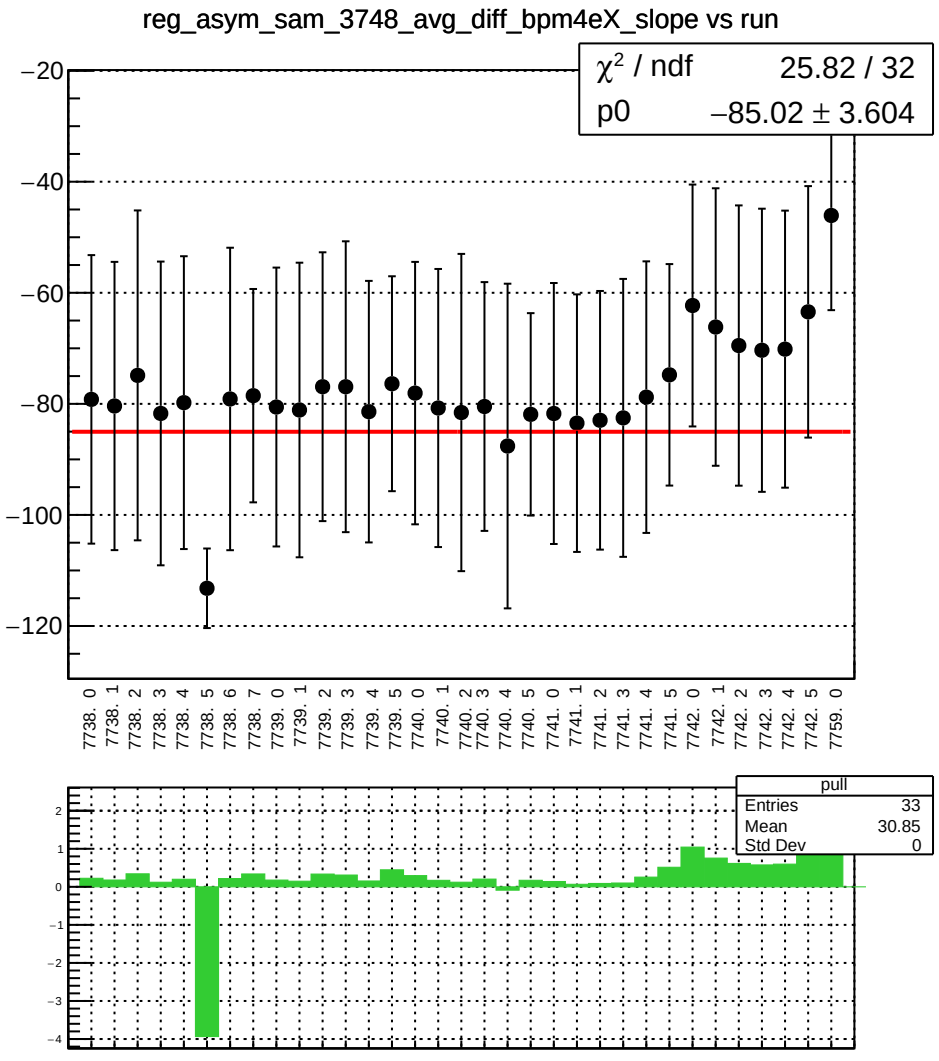

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 4.655 / 32
p0 −0.9176 ± 0.1497
pull
Entries 33
Mean 33.66
Std Dev 0
pull1D
Entries 33
Mean −0.05328
Std Dev 0.3718

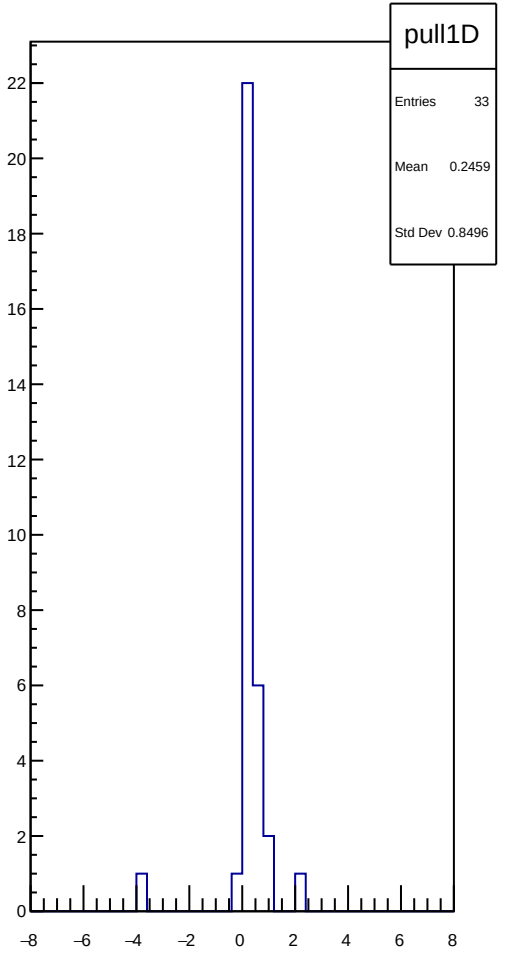

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 17.15 / 32
p0 −20.56 ± 3.663
20
10
0
−10
−20
−30
−40
−50
−60
−70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.97
Std Dev 0
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1

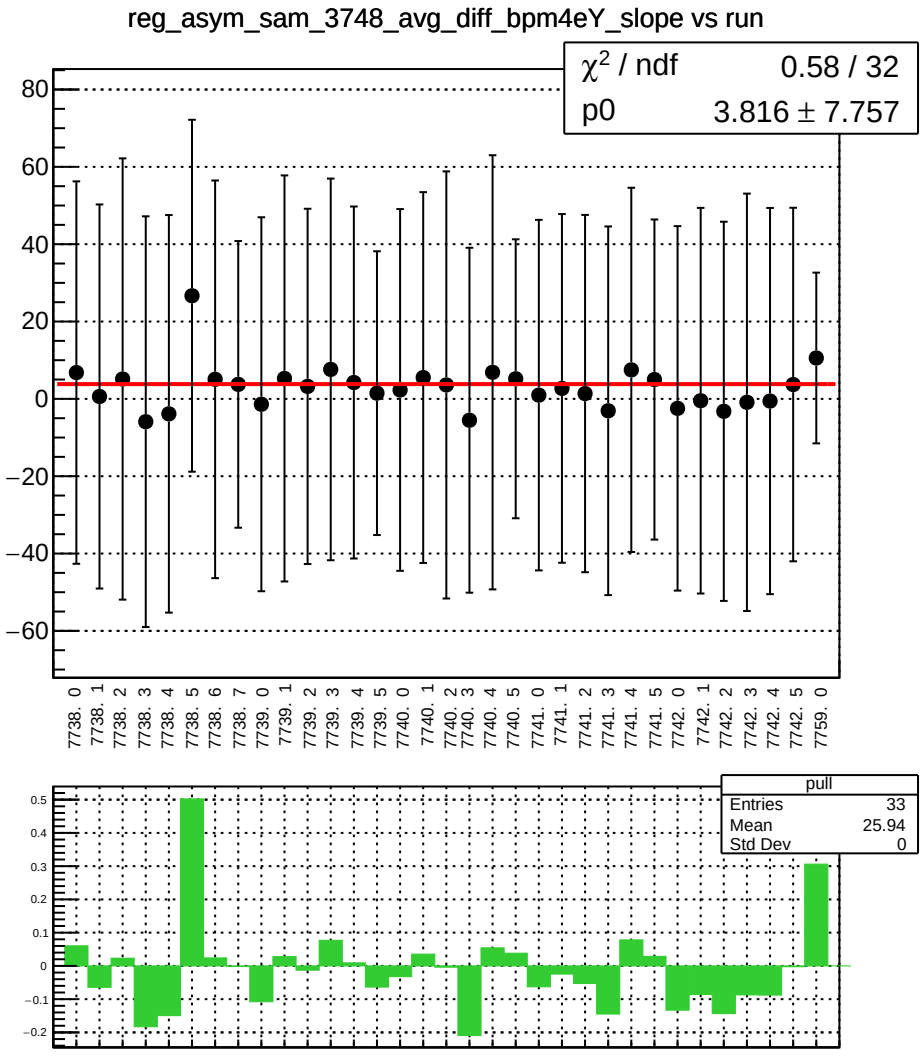

pull1D
Entries 33
Mean −0.197
Std Dev 0.6935
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

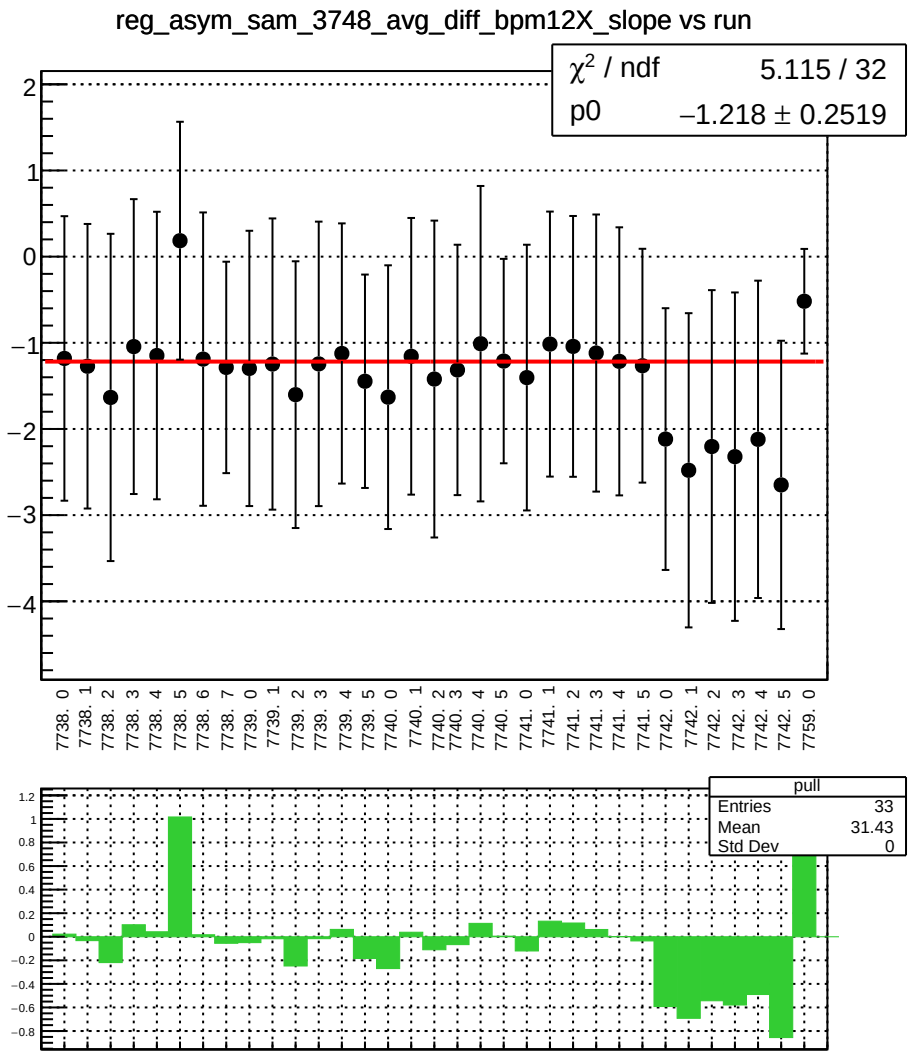

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.9737 / 32
p0 26.5 ± 4.341
60
50
40
30
20
10
0
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −244.4
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

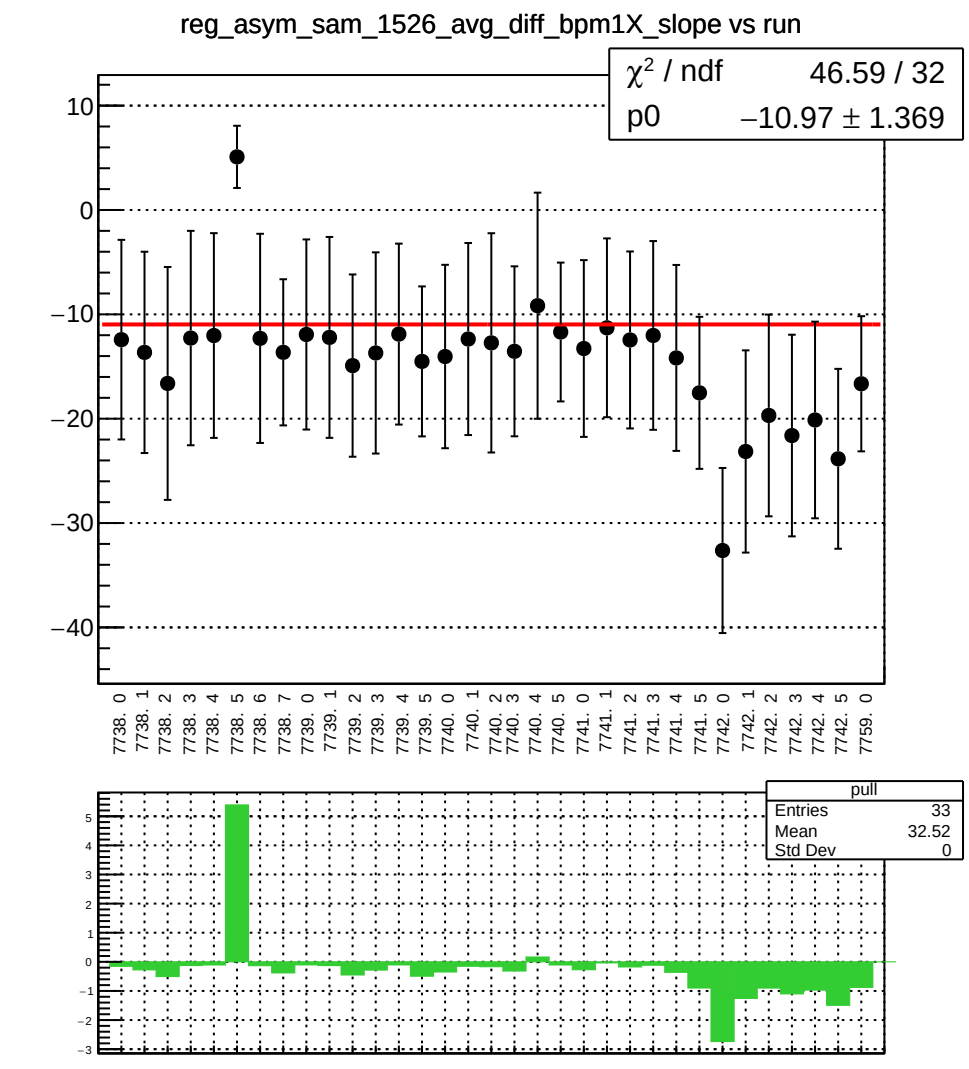

pull1D
Entries 33
Mean −0.002284
Std Dev 0.1718
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

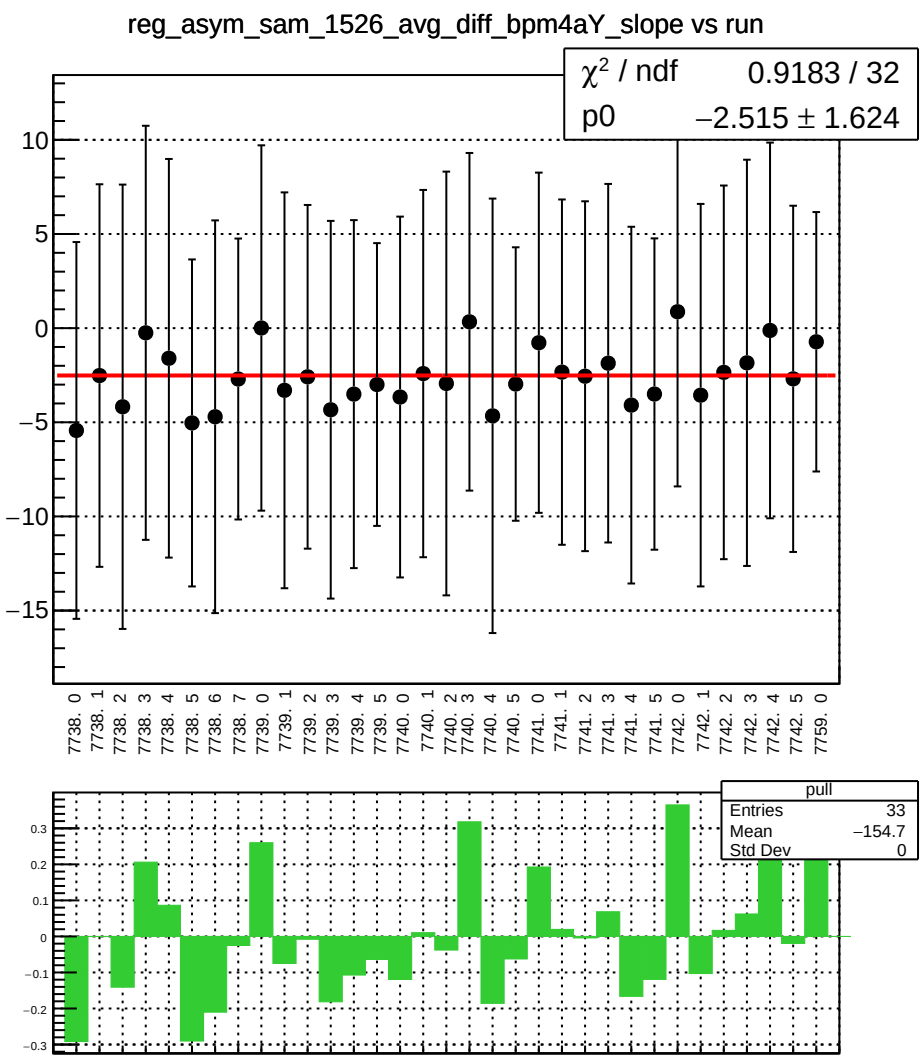

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.82 / 32
p0 −85.02 ± 3.604
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 30.85
Std Dev 0
2
1
0
−1
−2
−3
−4

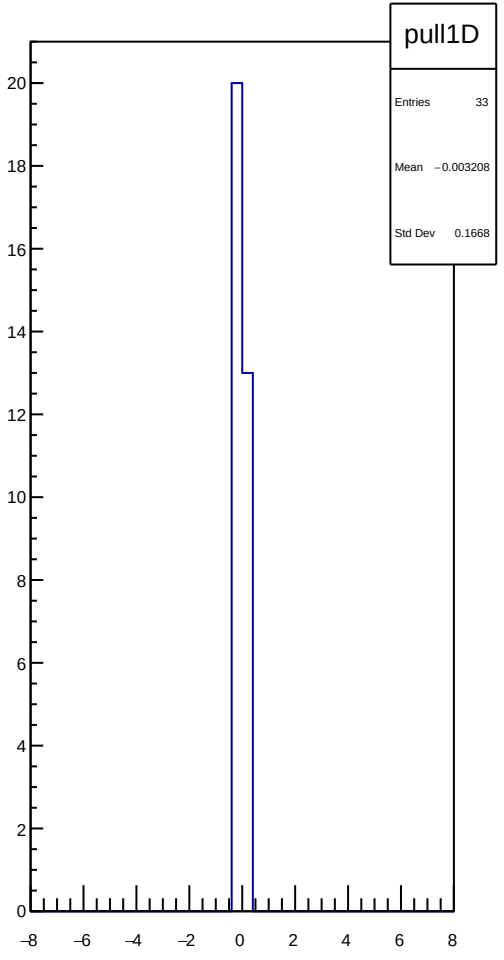

pull1D
Entries 33
Mean 0.2459
Std Dev 0.8496
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

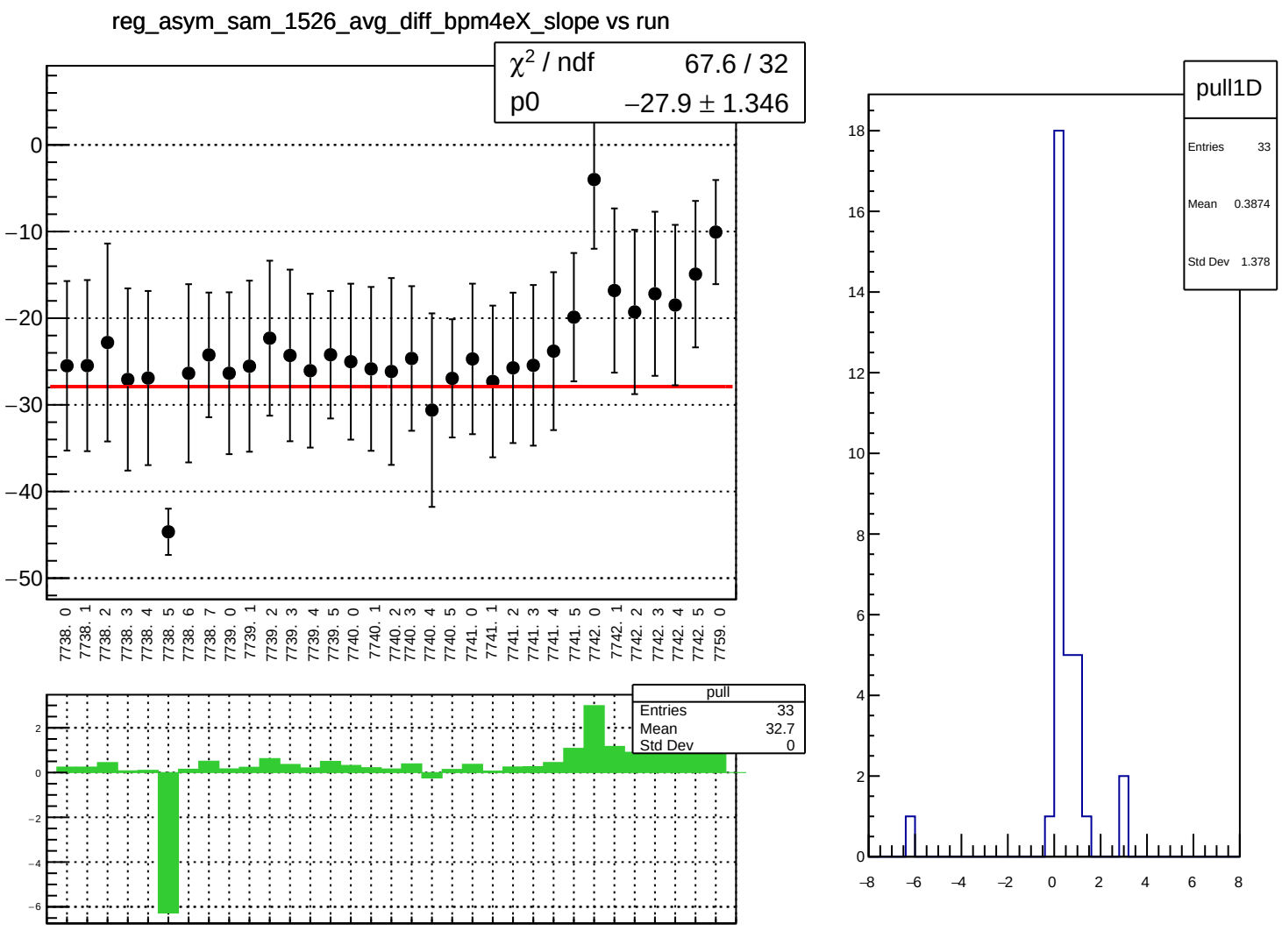

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.58 / 32
p0 3.816 ± 7.757
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 25.94
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.01177
Std Dev 0.1321
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

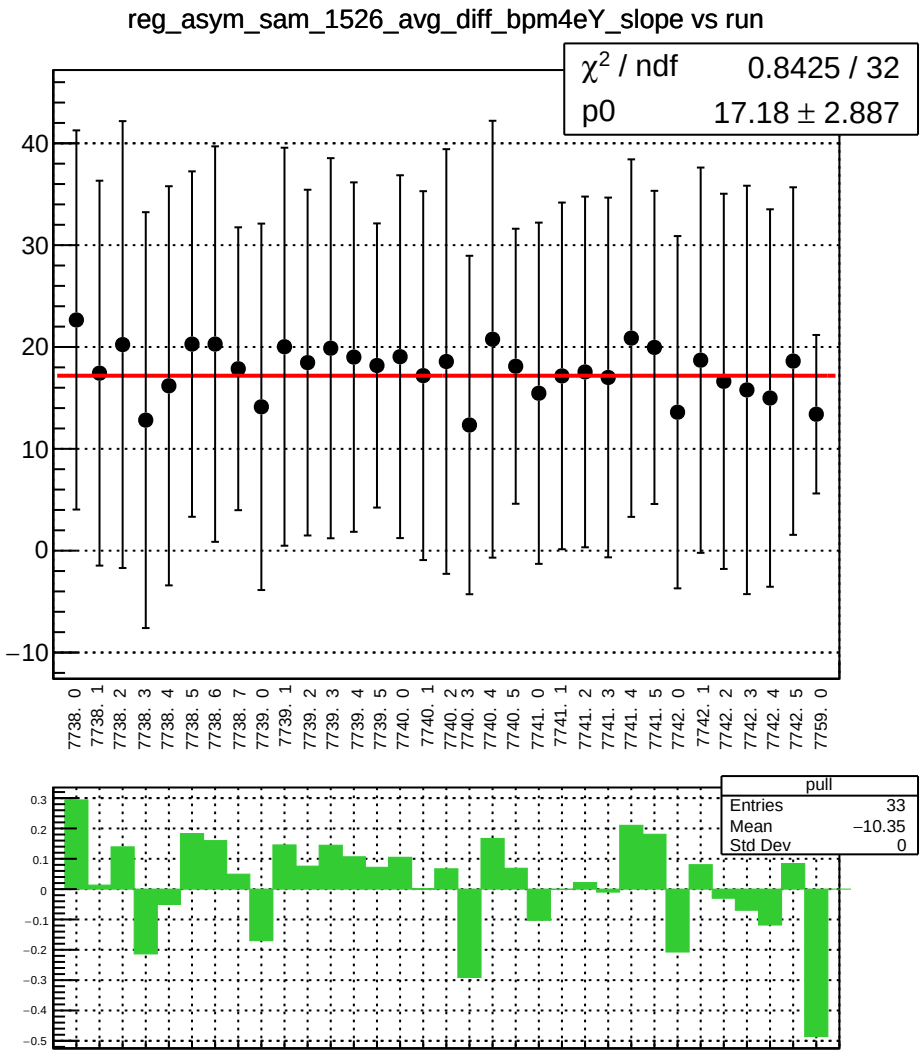

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 5.115 / 32
p0 −1.218 ± 0.2519
pull
Entries 33
Mean 31.43
Std Dev 0
pull1D
Entries 33
Mean −0.06948
Std Dev 0.3875

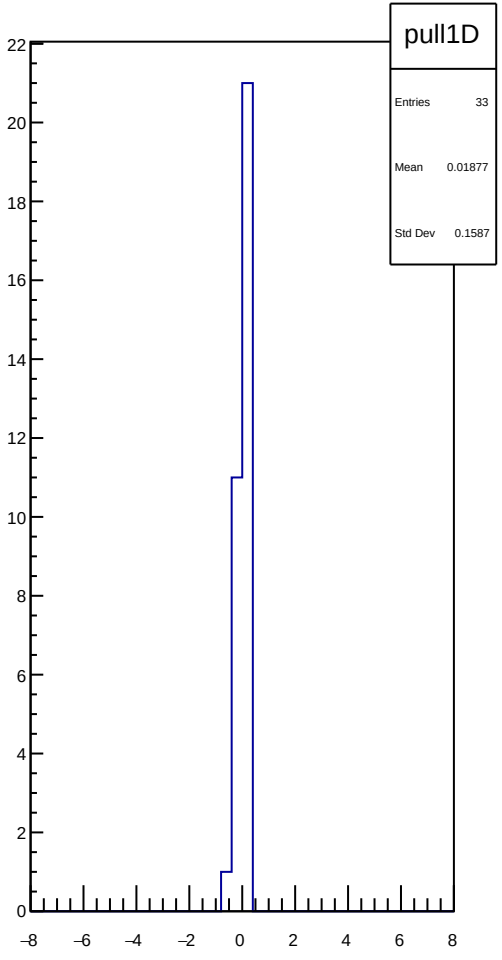

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 46.59 / 32
p0 −10.97 ± 1.369
pull
Entries 33
Mean 32.52
Std Dev 0
pull1D
Entries 33
Mean −0.3029
Std Dev 1.149

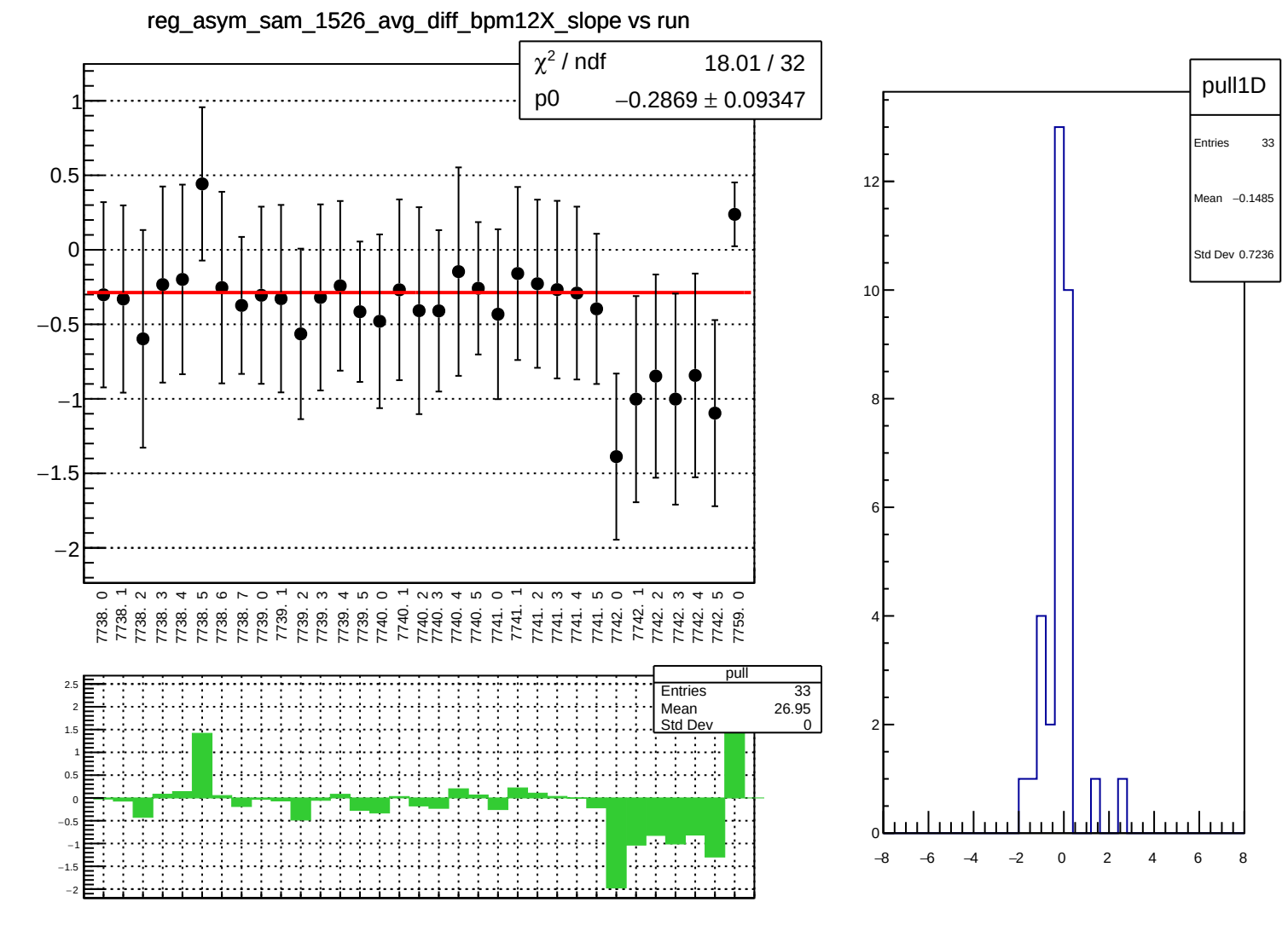

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.9183 / 32
p0 −2.515 ± 1.624
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −154.7
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

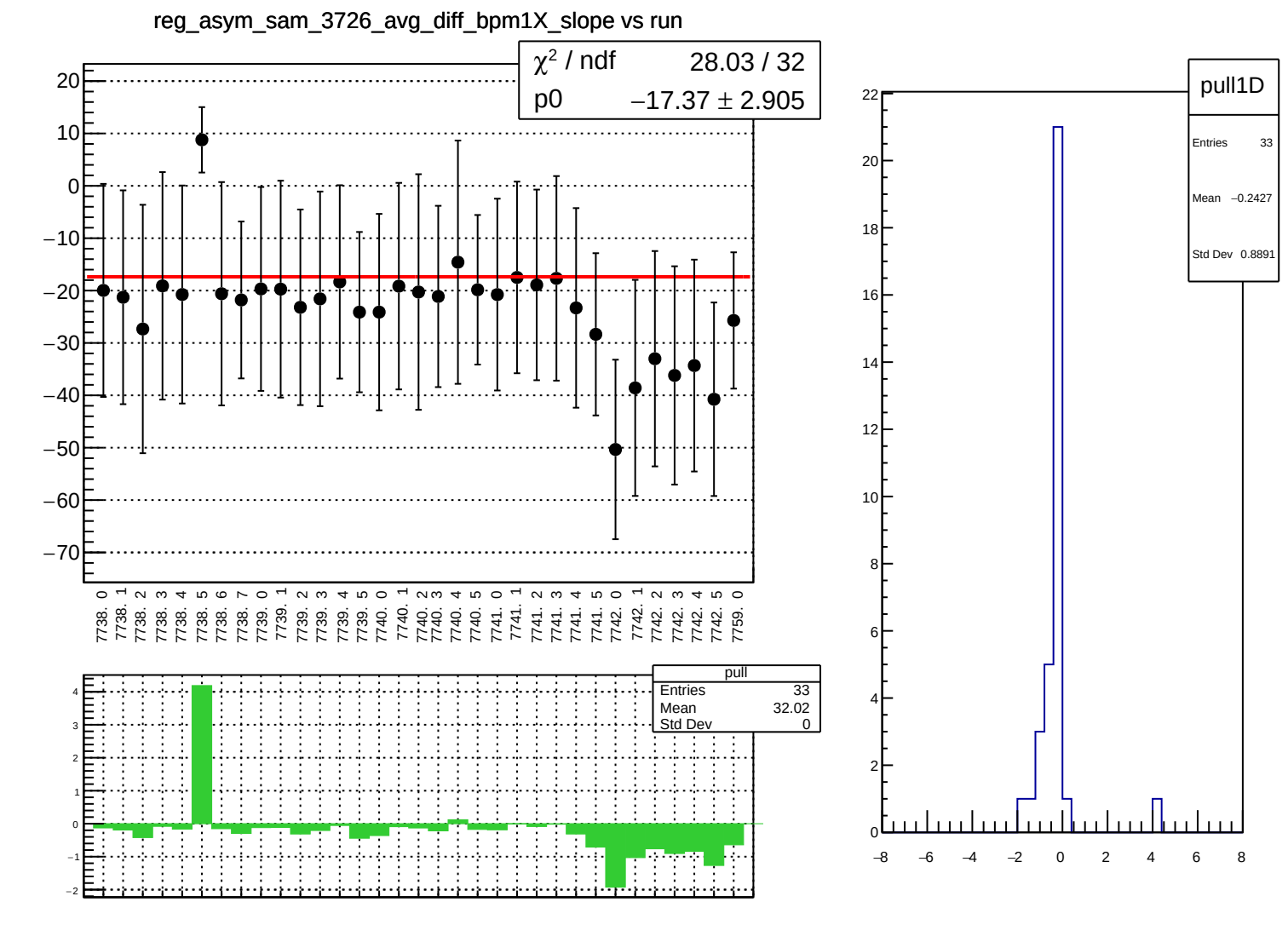

pull1D
Entries 33
Mean −0.003208
Std Dev 0.1668
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

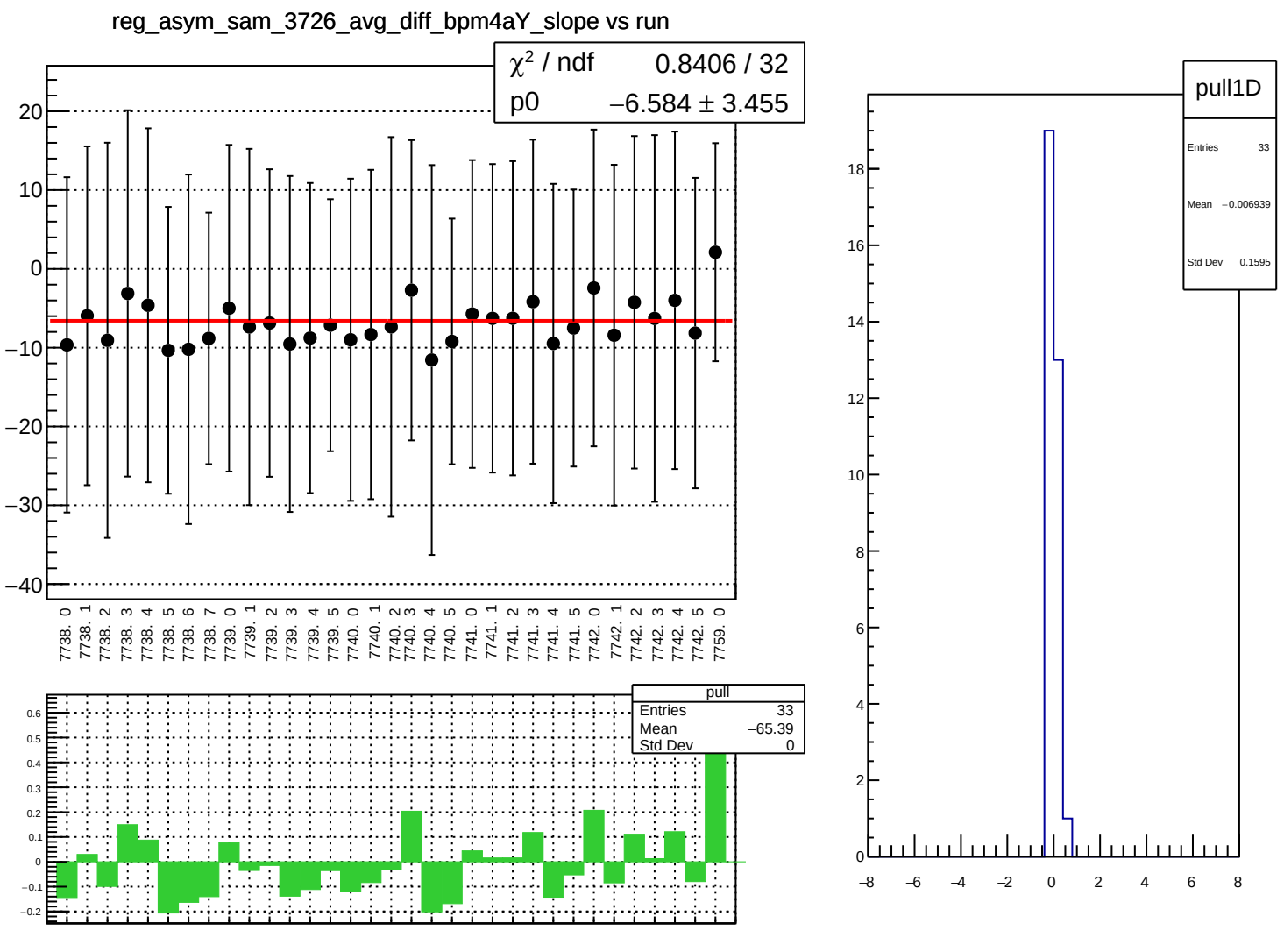

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.6 / 32
p0 −27.9 ± 1.346
0
−10
−20
−30
−40
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.7
Std Dev 0
2
0
−2
−4
−6
pull1D
Entries 33
Mean 0.3874
Std Dev 1.378
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

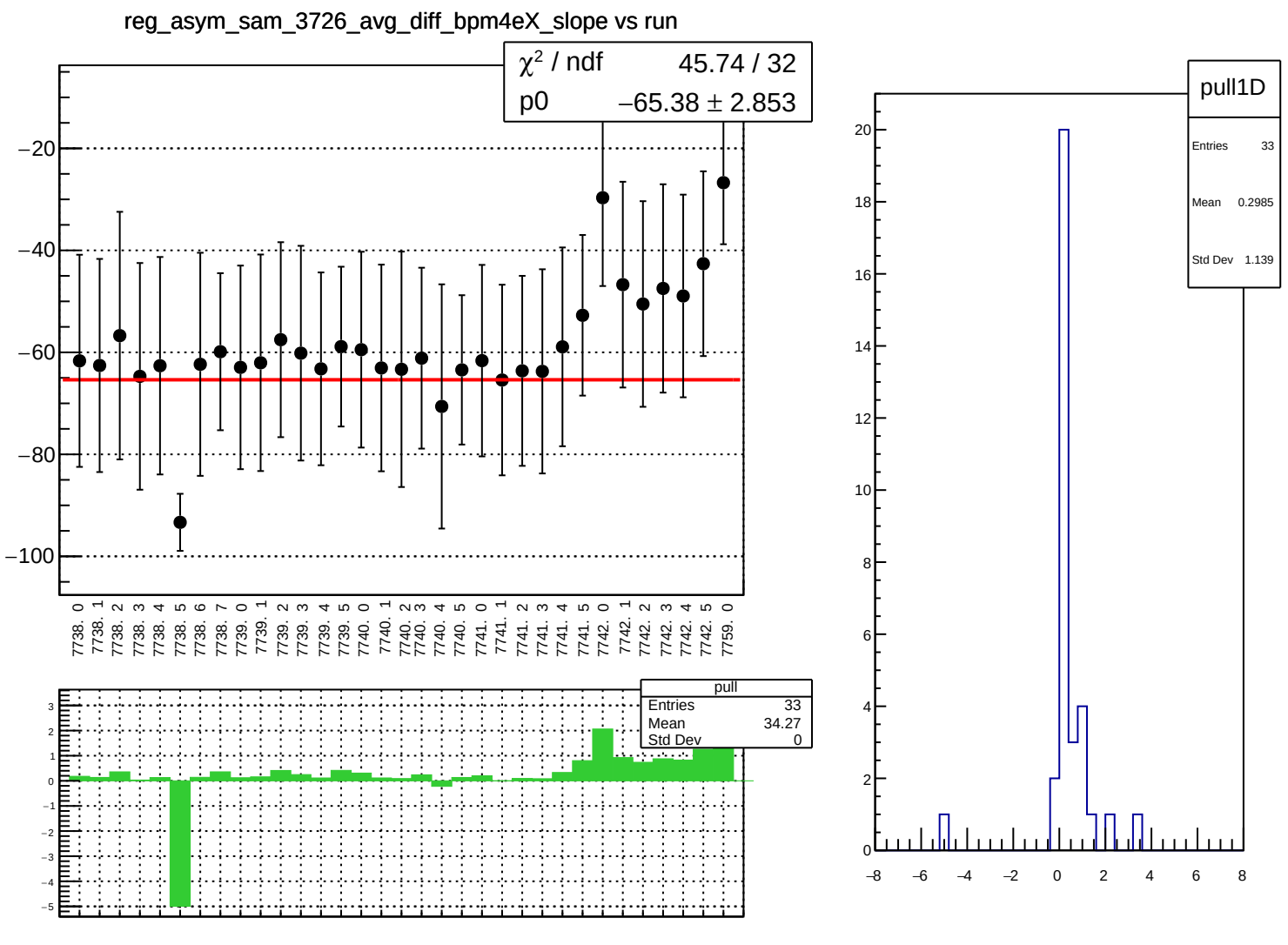

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.8425 / 32
p0 17.18 ± 2.887
40
30
20
10
0
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.35
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

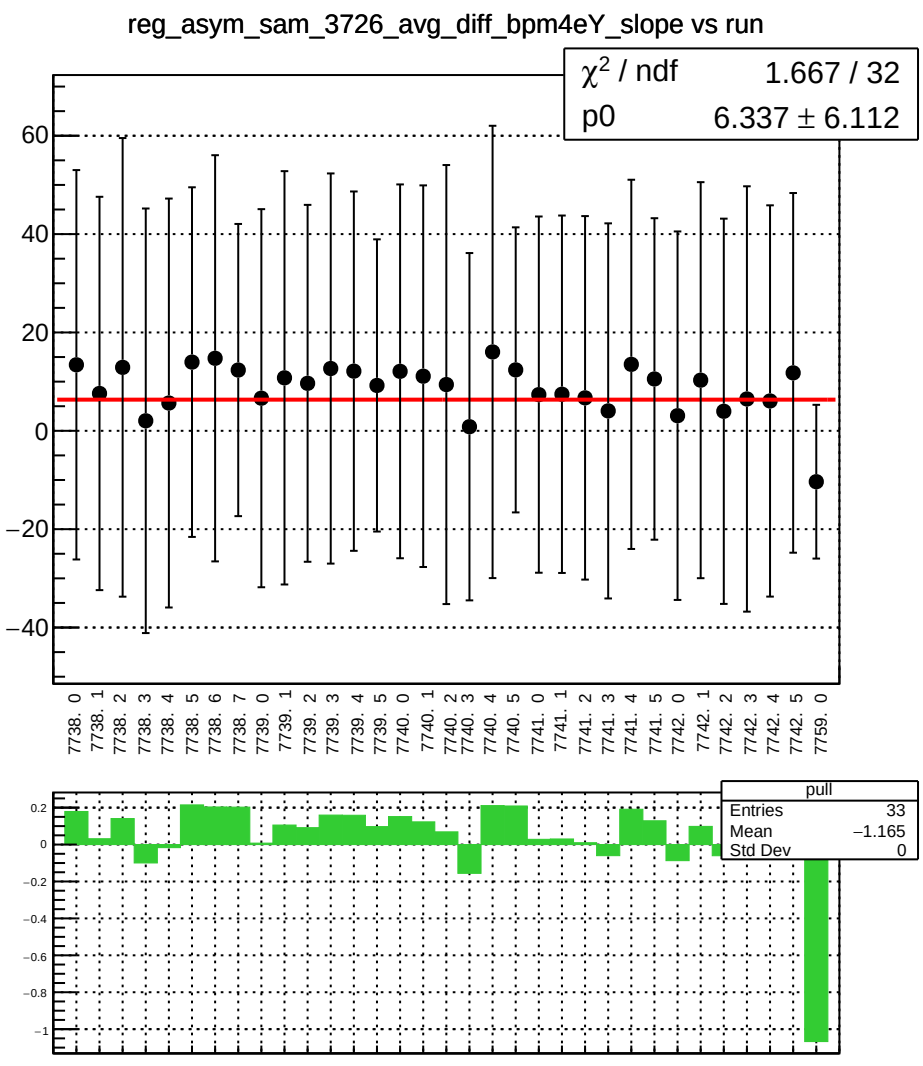

pull1D
Entries 33
Mean 0.01877
Std Dev 0.1587
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

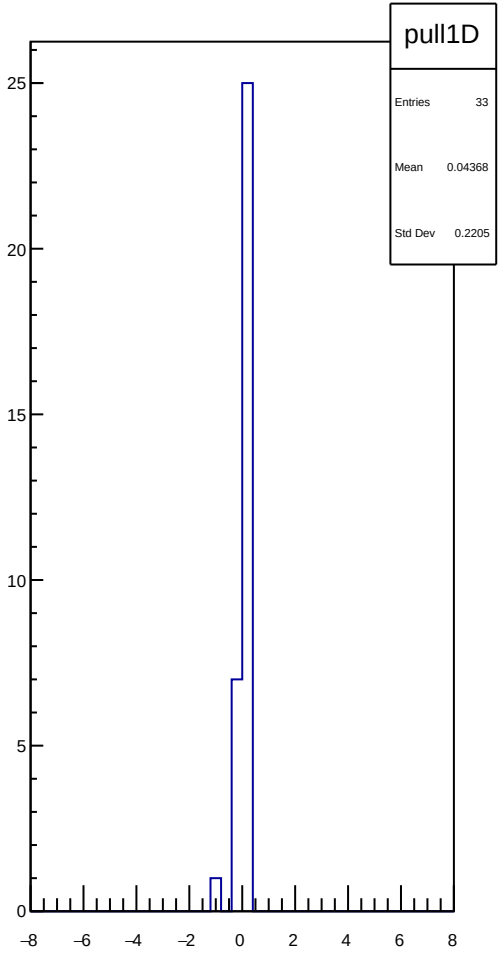

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 18.01 / 32
p0 −0.2869 ± 0.09347
pull
Entries 33
Mean 26.95
Std Dev 0
pull1D
Entries 33
Mean −0.1485
Std Dev 0.7236

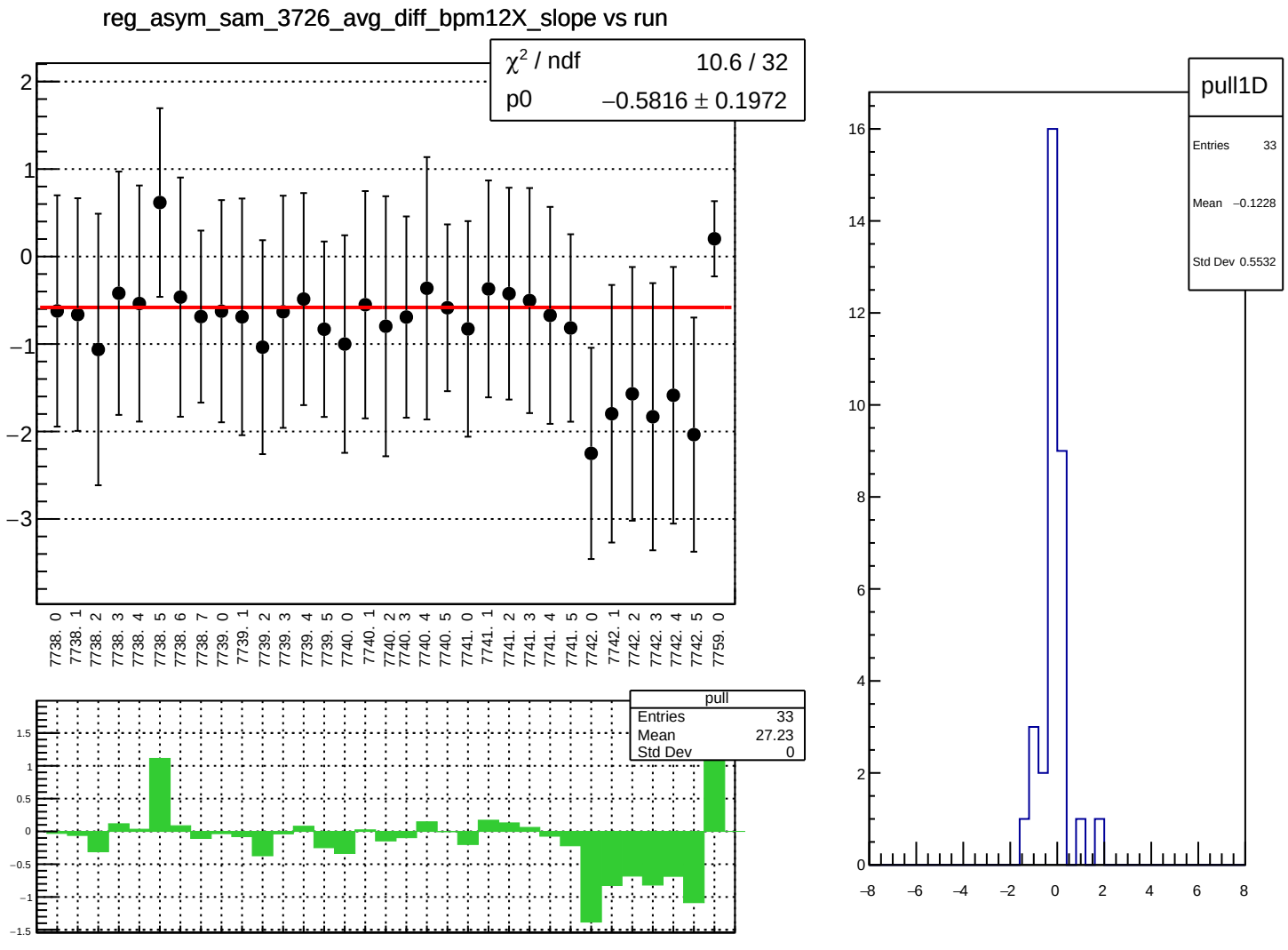

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 28.03 / 32
p0 −17.37 ± 2.905
pull
Entries 33
Mean 32.02
Std Dev 0
pull1D
Entries 33
Mean −0.2427
Std Dev 0.8891

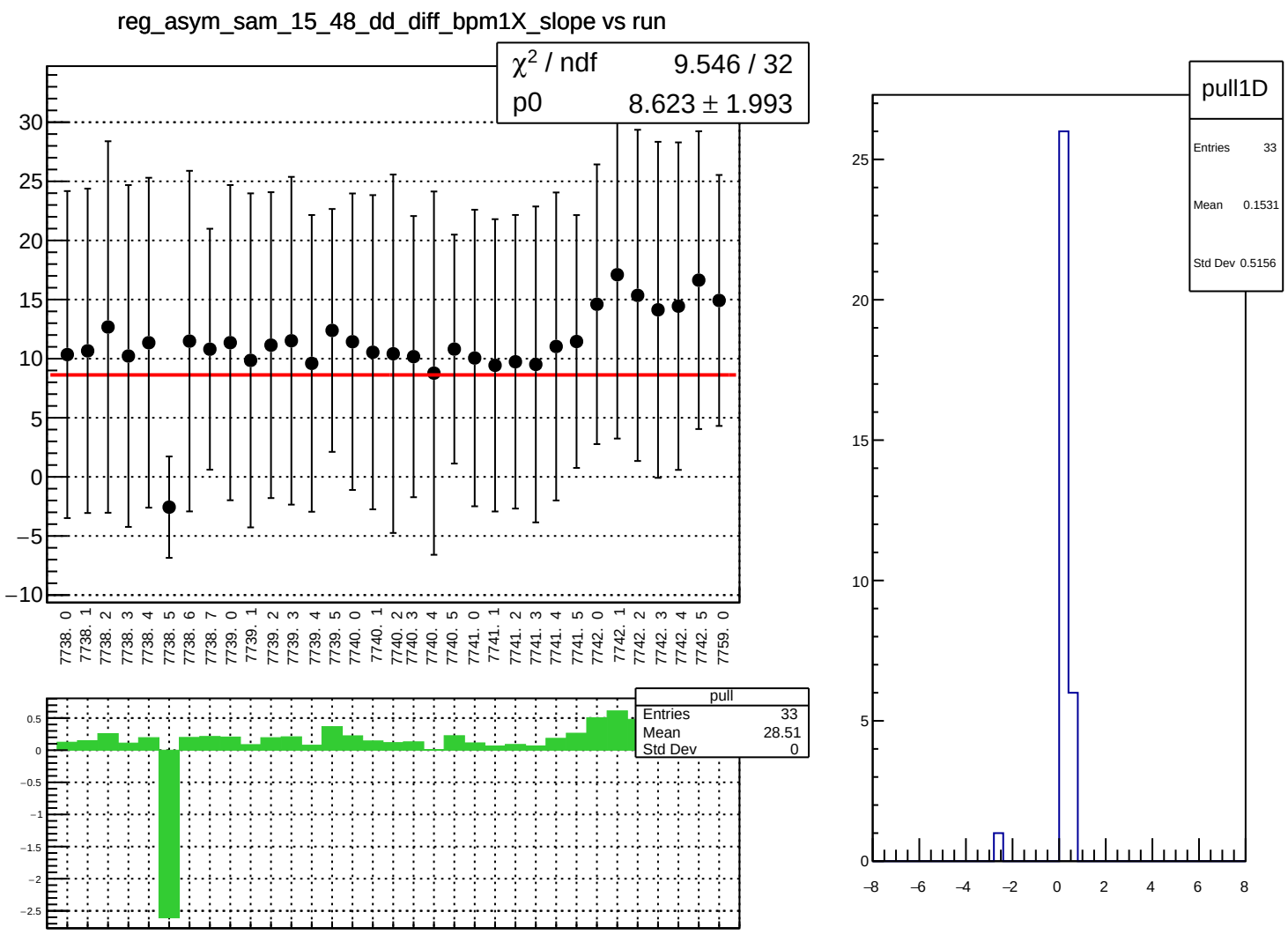

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.8406 / 32
p0 −6.584 ± 3.455
20
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −65.39
Std Dev 0
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.006939
Std Dev 0.1595
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

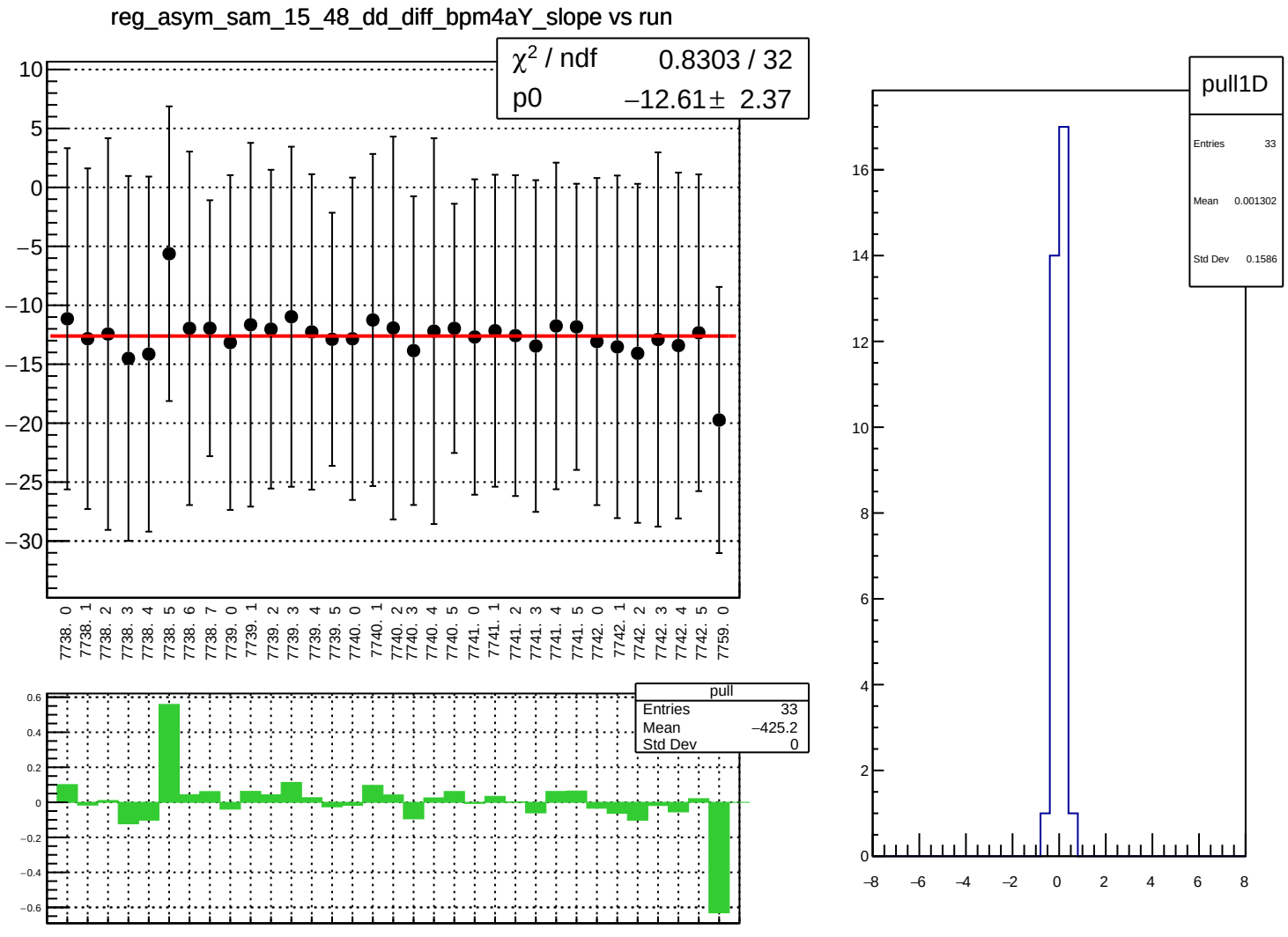

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.74 / 32
p0 −65.38 ± 2.853
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 34.27
Std Dev 0
pull1D
Entries 33
Mean 0.2985
Std Dev 1.139

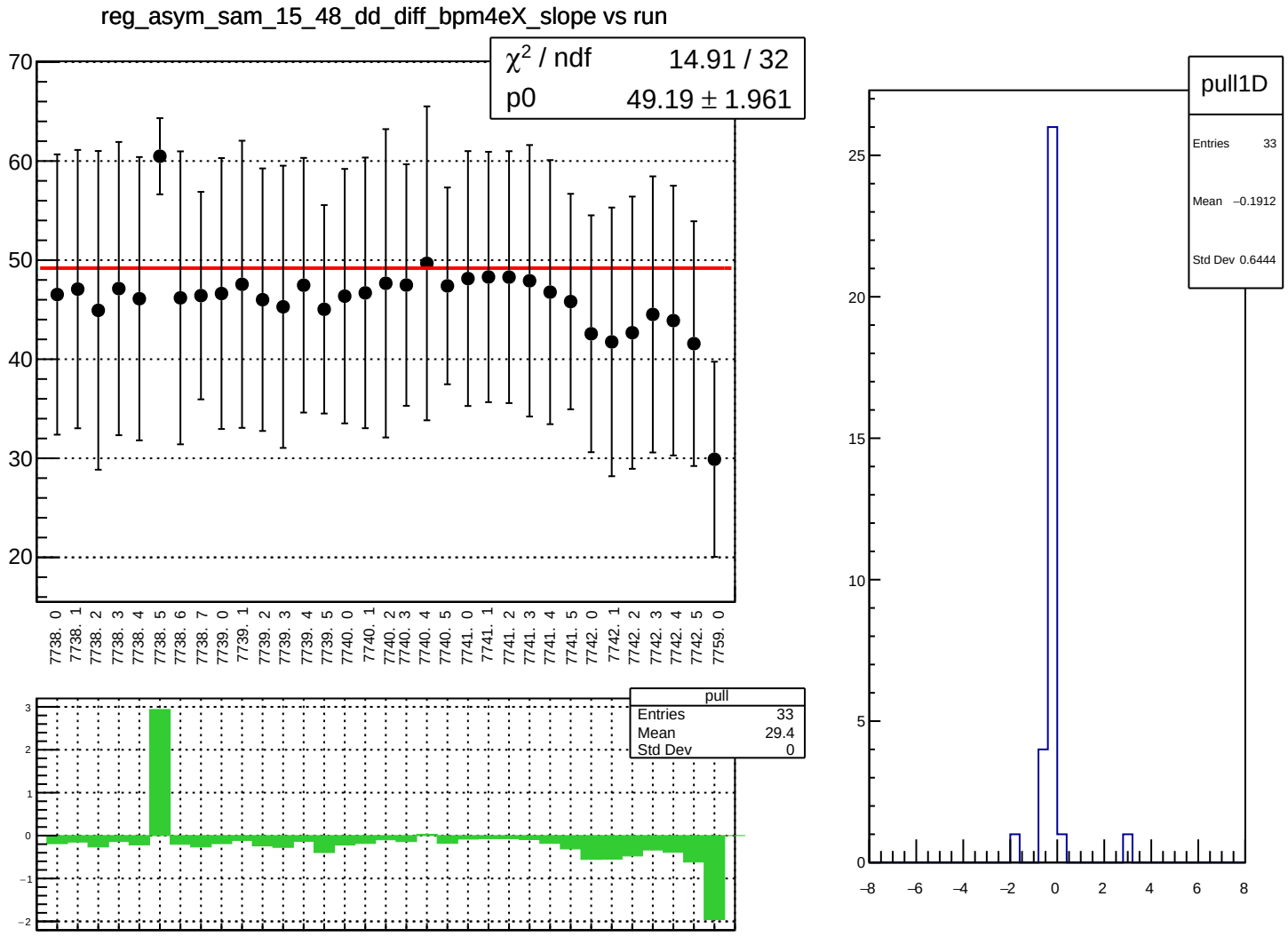

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.667 / 32
p0 6.337 ± 6.112
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.165
Std Dev 0
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

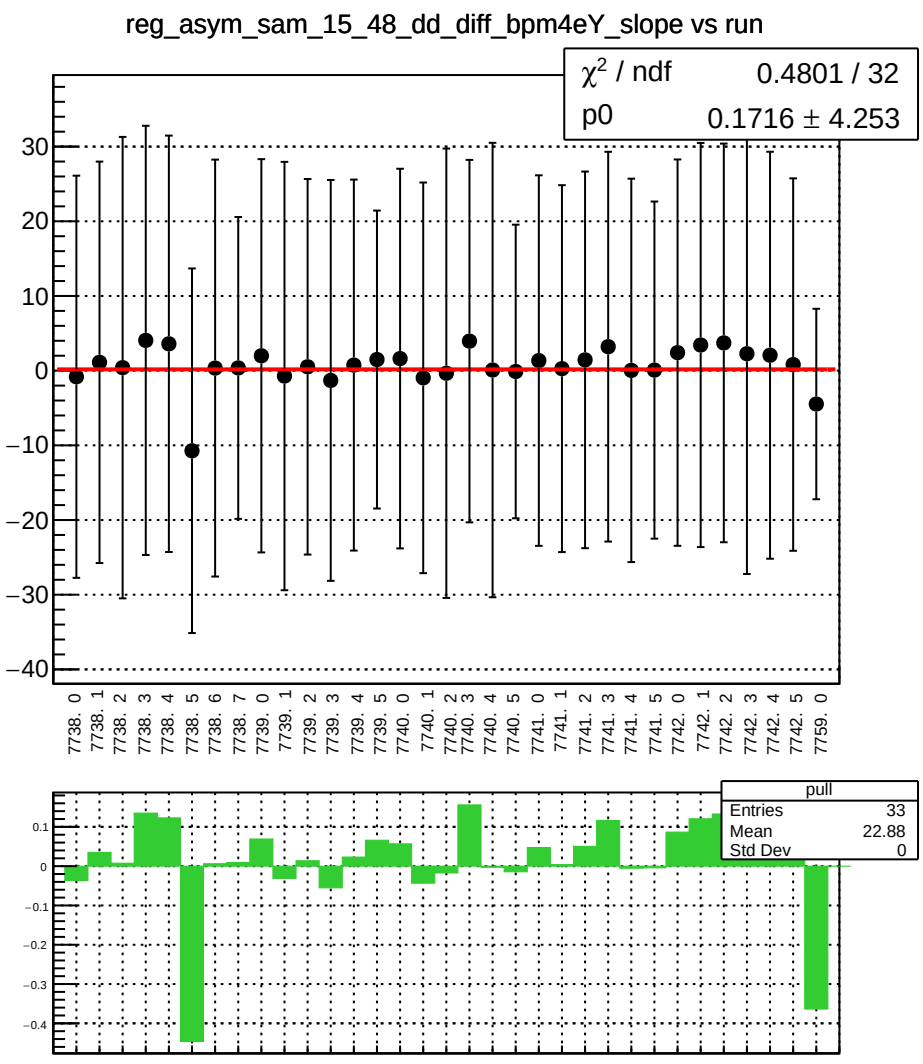

pull1D
Entries 33
Mean 0.04368
Std Dev 0.2205
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

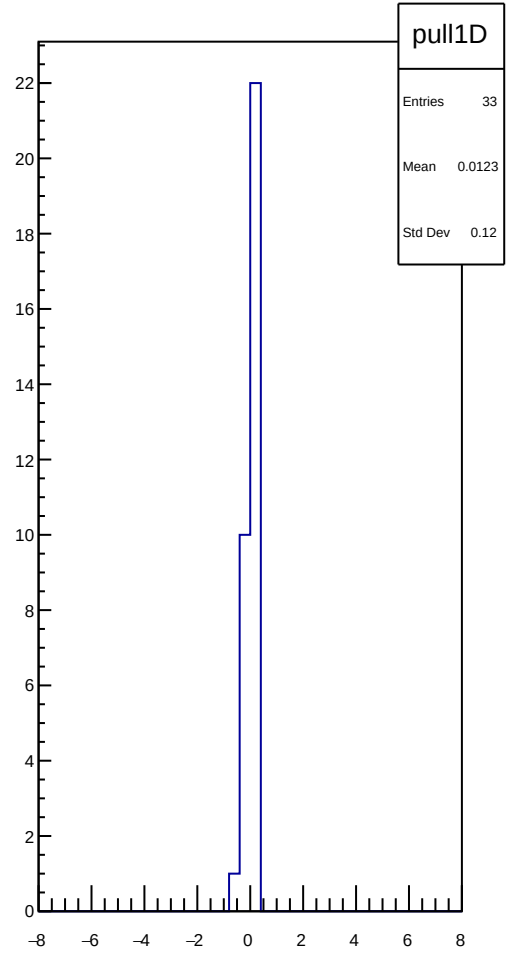

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 10.6 / 32
p0 −0.5816 ± 0.1972
pull
Entries 33
Mean 27.23
Std Dev 0
pull1D
Entries 33
Mean −0.1228
Std Dev 0.5532

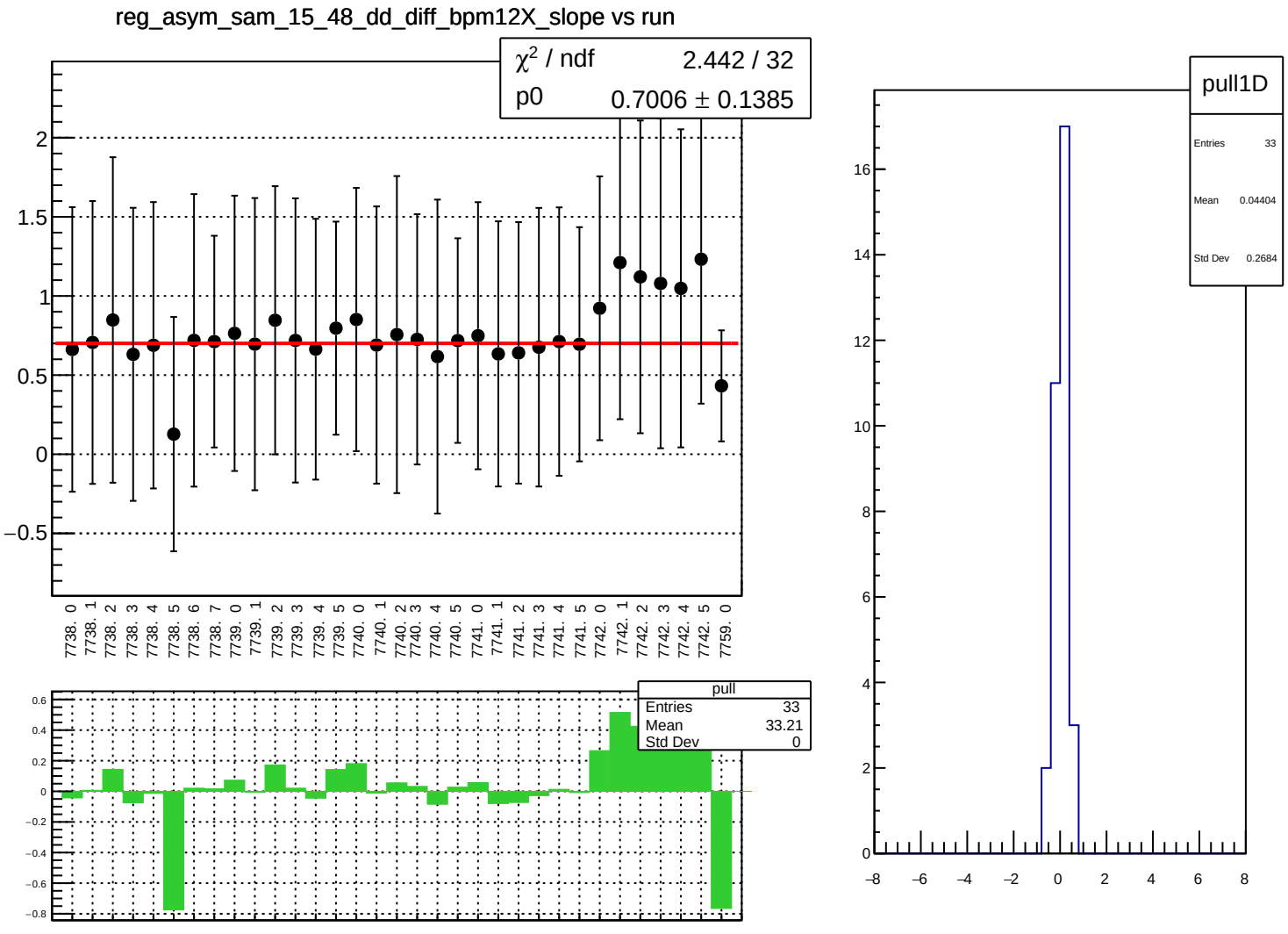

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.546 / 32
p0 8.623 ± 1.993
30
25
20
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 28.51
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.1531
Std Dev 0.5156
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

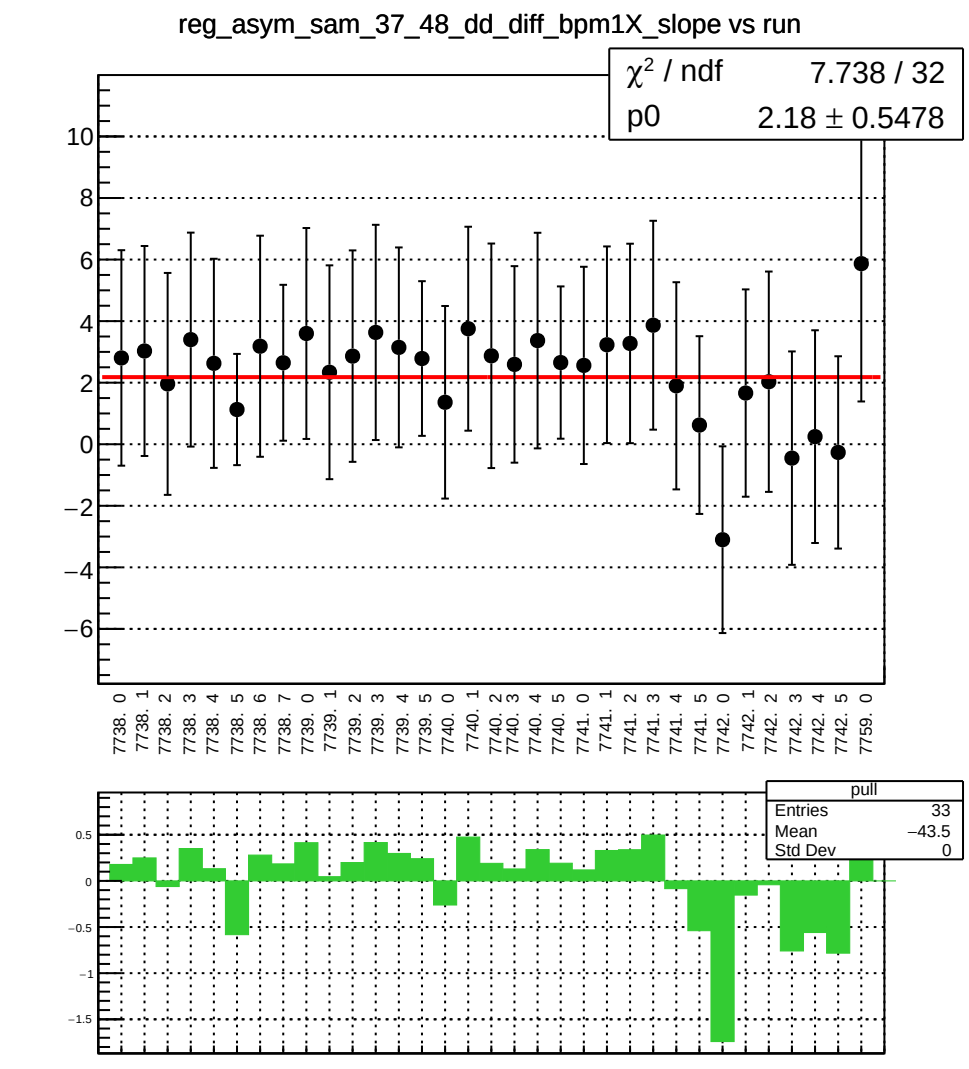

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.8303 / 32
p0 −12.61± 2.37
pull
Entries 33
Mean −425.2
Std Dev 0
pull1D
Entries 33
Mean 0.001302
Std Dev 0.1586

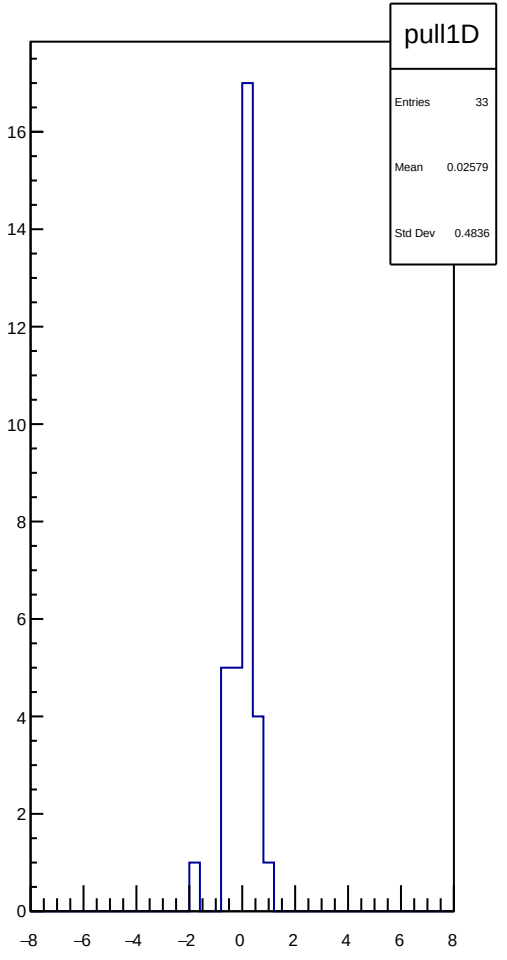

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.91 / 32
p0 49.19 ± 1.961
70
60
50
40
30
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.1912
Std Dev 0.6444
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

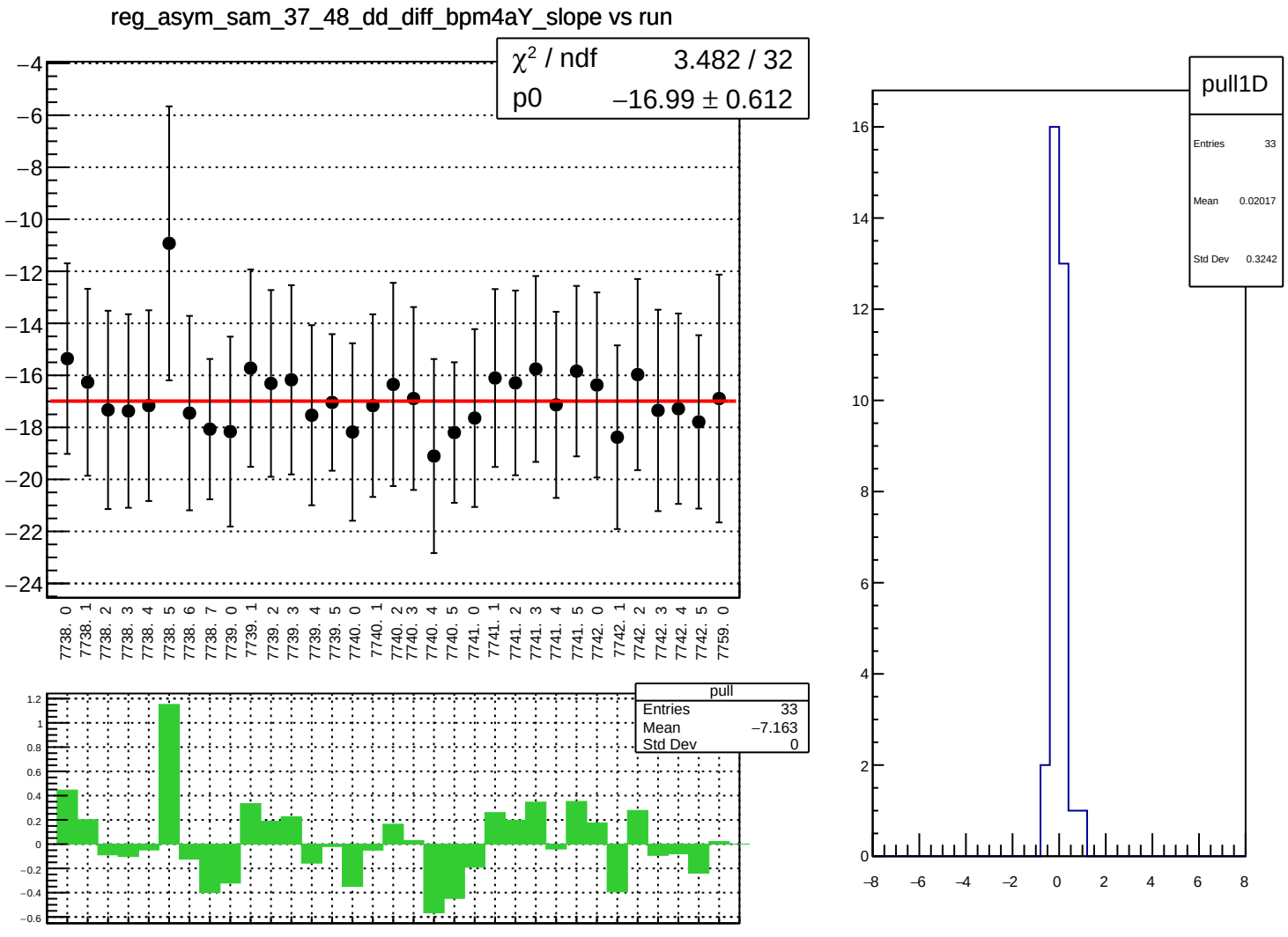

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.4801 / 32
p0 0.1716 ± 4.253
30
20
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.88
Std Dev 0
0.1
0
−0.1
−0.2
−0.3
−0.4

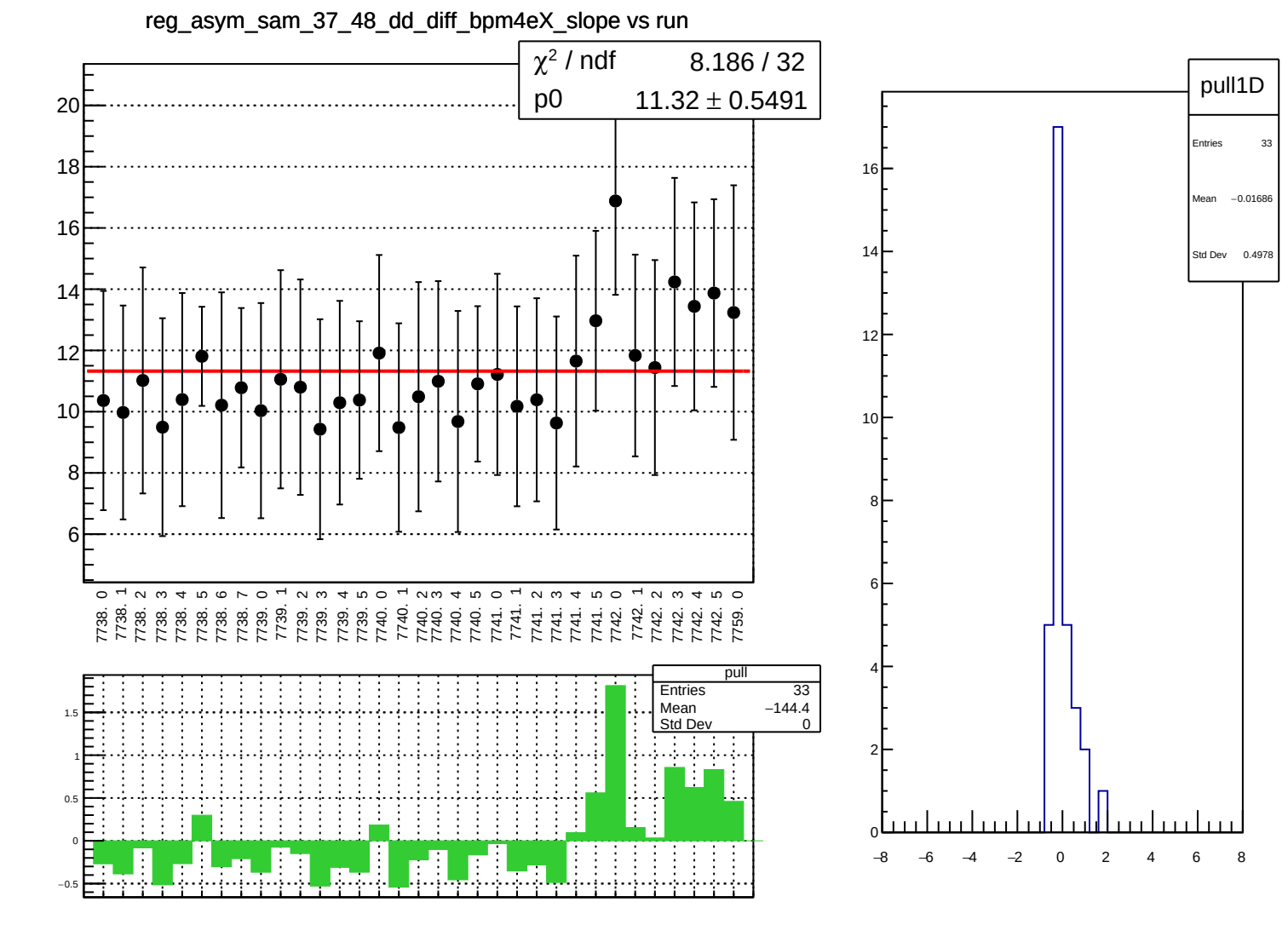

pull1D
Entries 33
Mean 0.0123
Std Dev 0.12
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

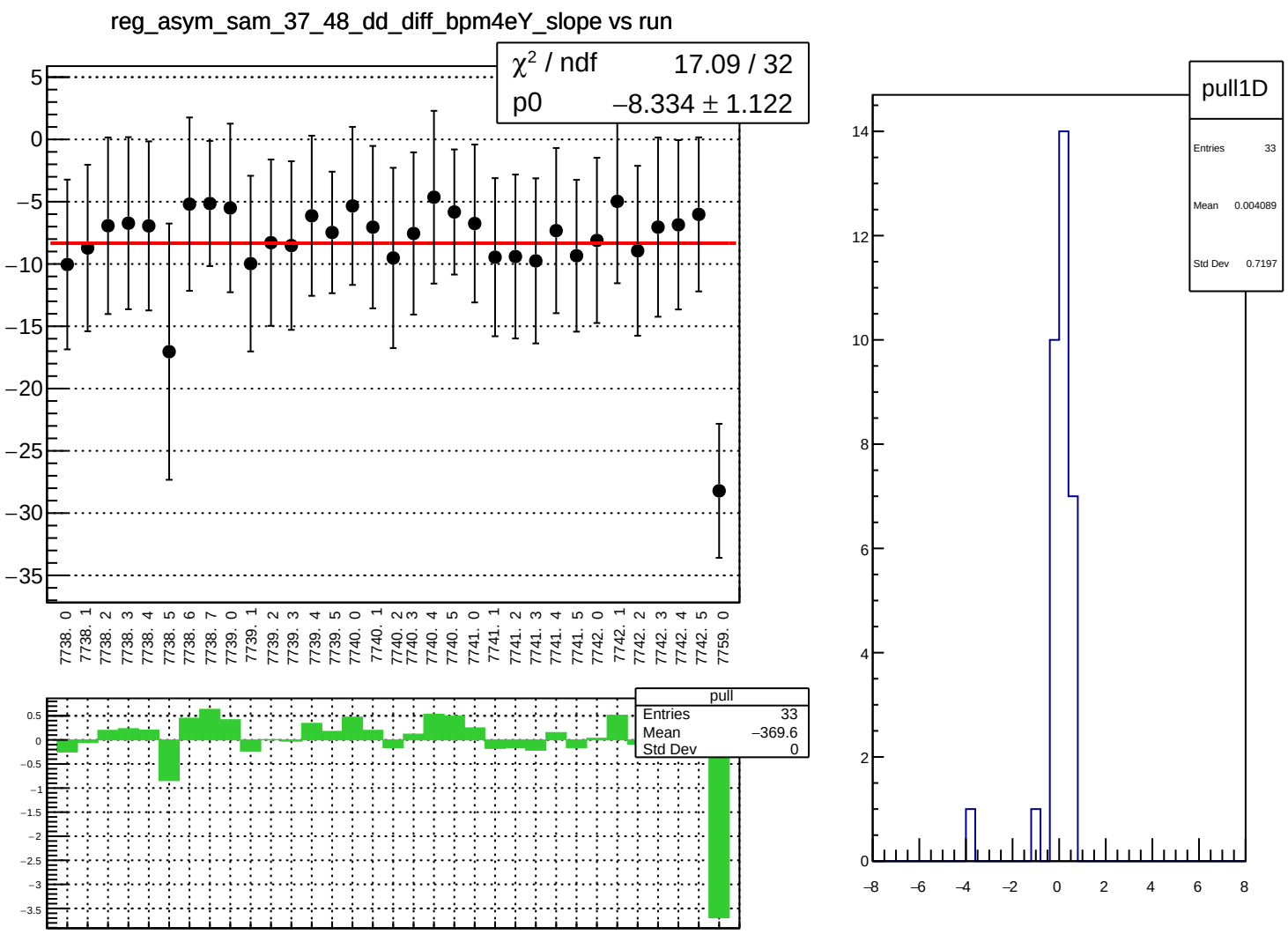

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.442 / 32
p0 0.7006 ± 0.1385
pull
Entries 33
Mean 33.21
Std Dev 0
pull1D
Entries 33
Mean 0.04404
Std Dev 0.2684

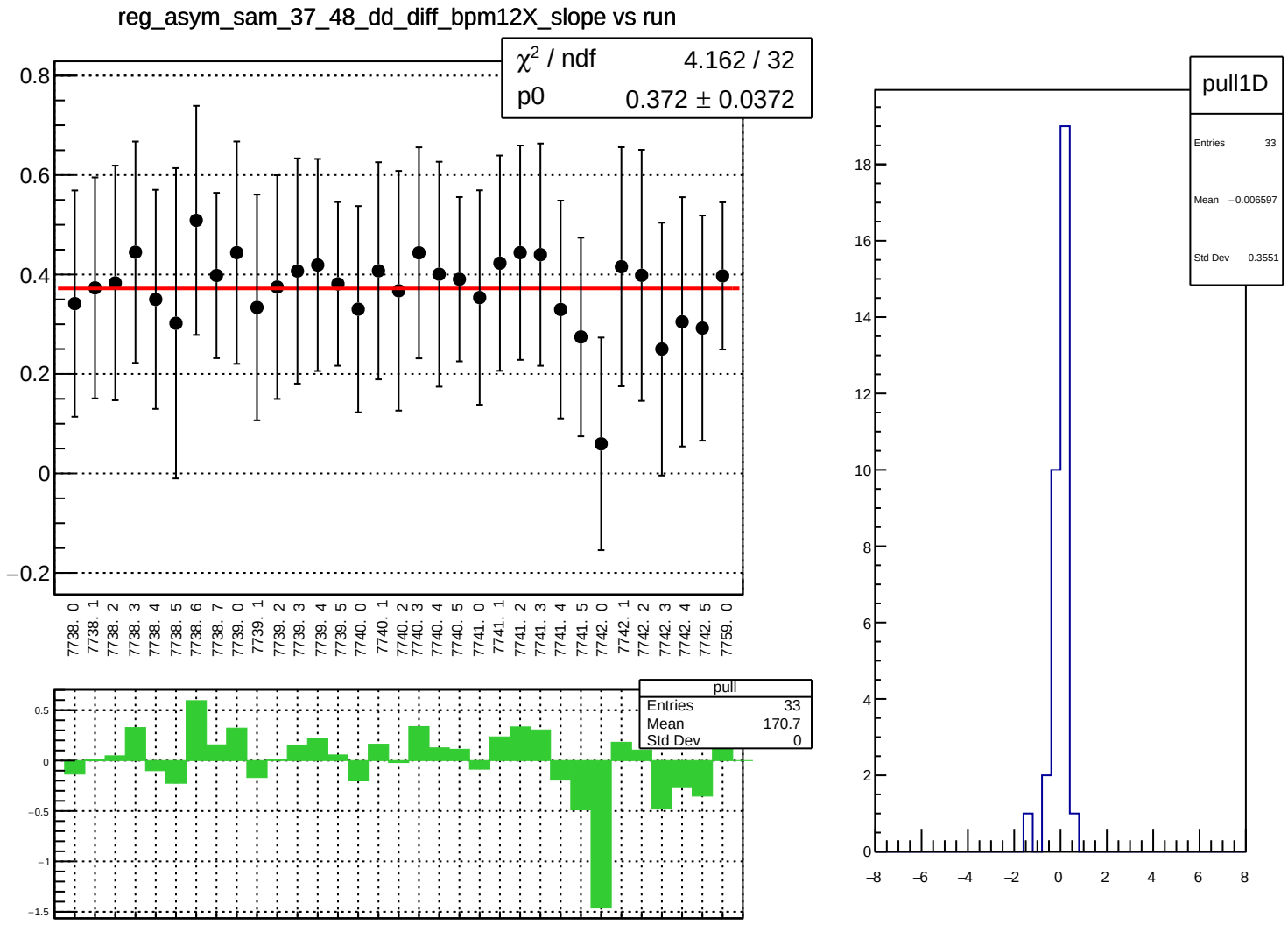

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 7.738 / 32
p0 2.18 ± 0.5478
10
8
6
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −43.5
Std Dev 0
0.5
0
−0.5
−1
−1.5

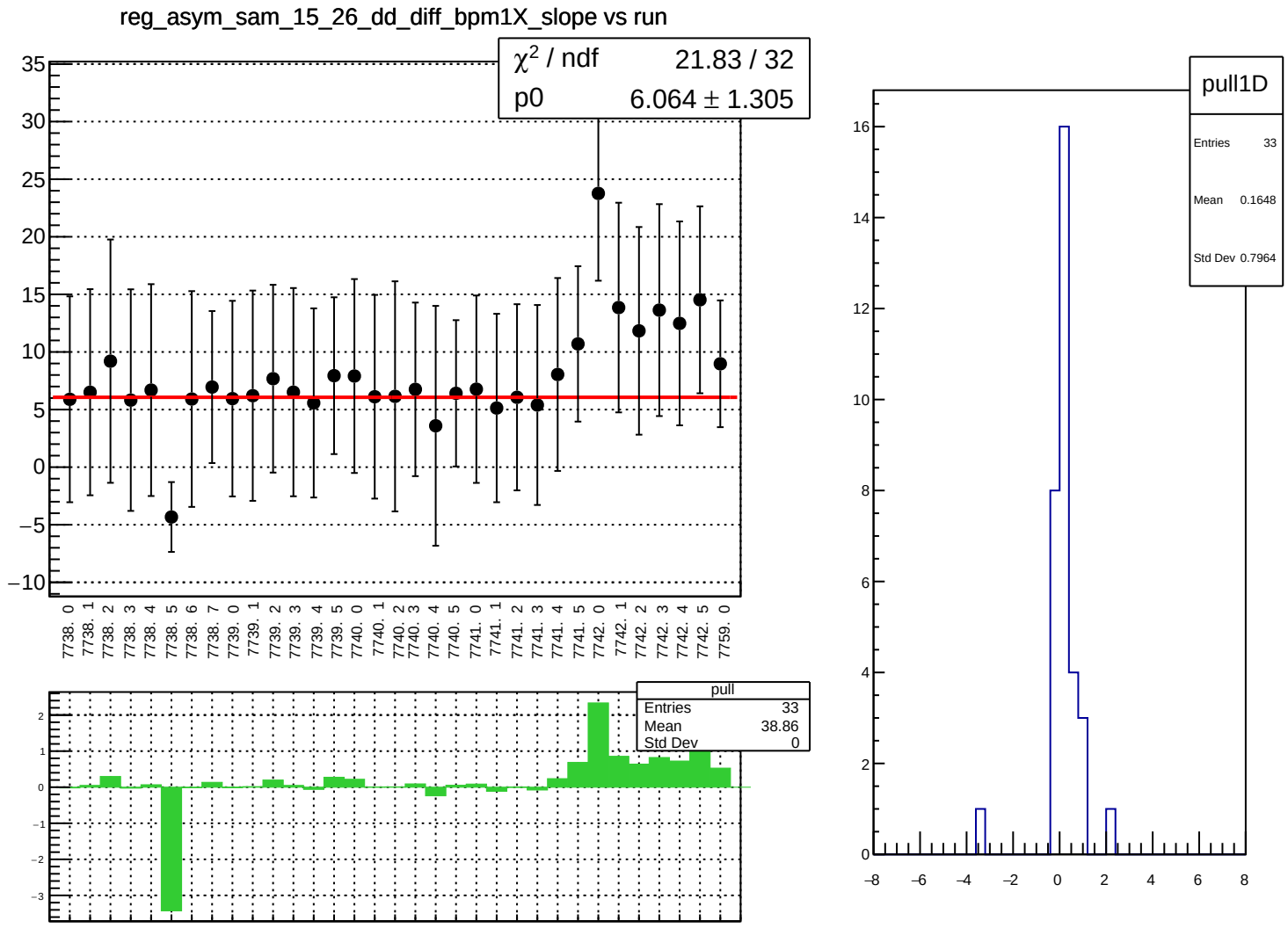

pull1D
Entries 33
Mean 0.02579
Std Dev 0.4836
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

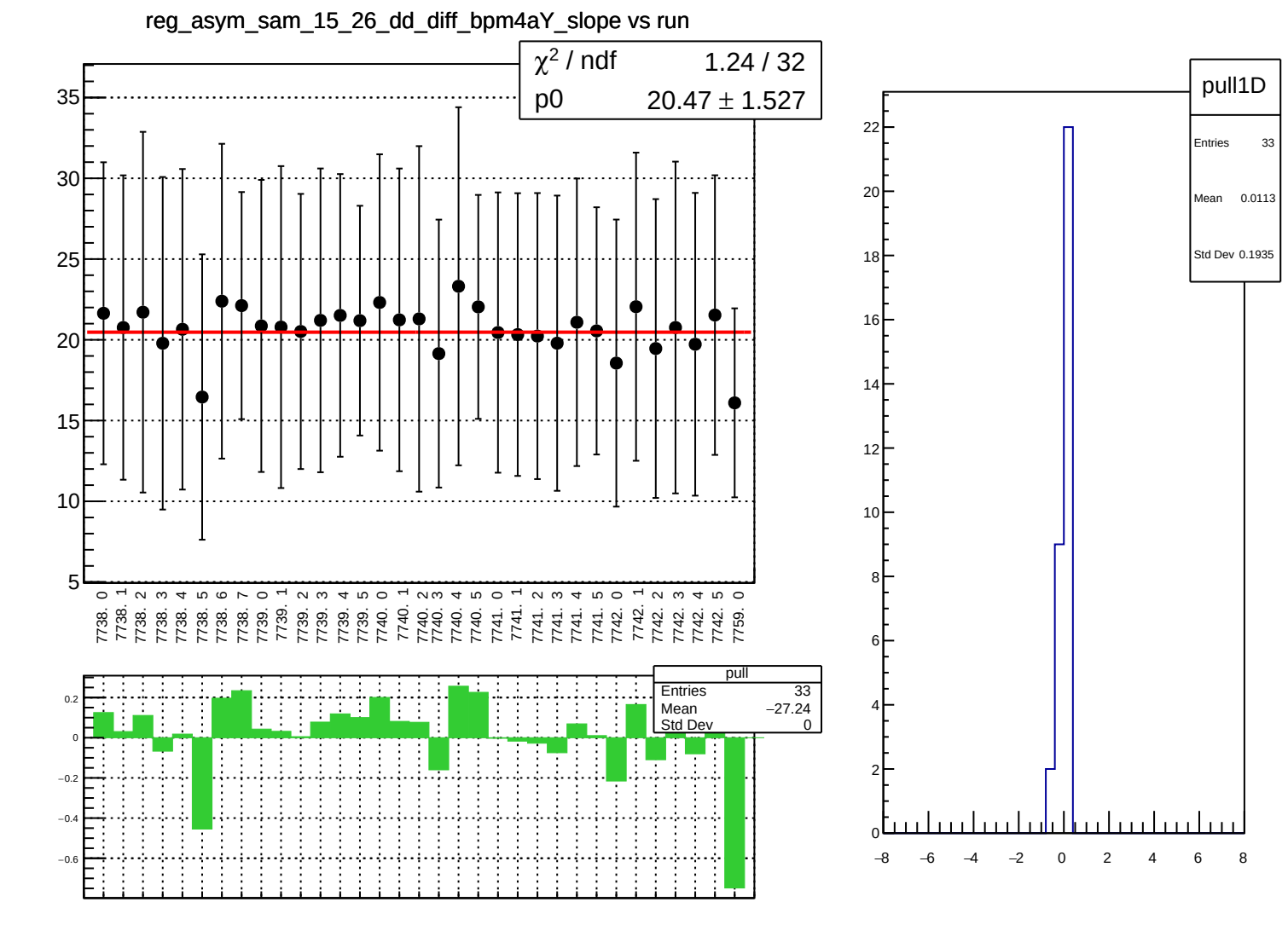

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.482 / 32
p0 −16.99 ± 0.612
−4
−6
−8
−10
−12
−14
−16
−18
−20
−22
−24
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.163
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean 0.02017
Std Dev 0.3242
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

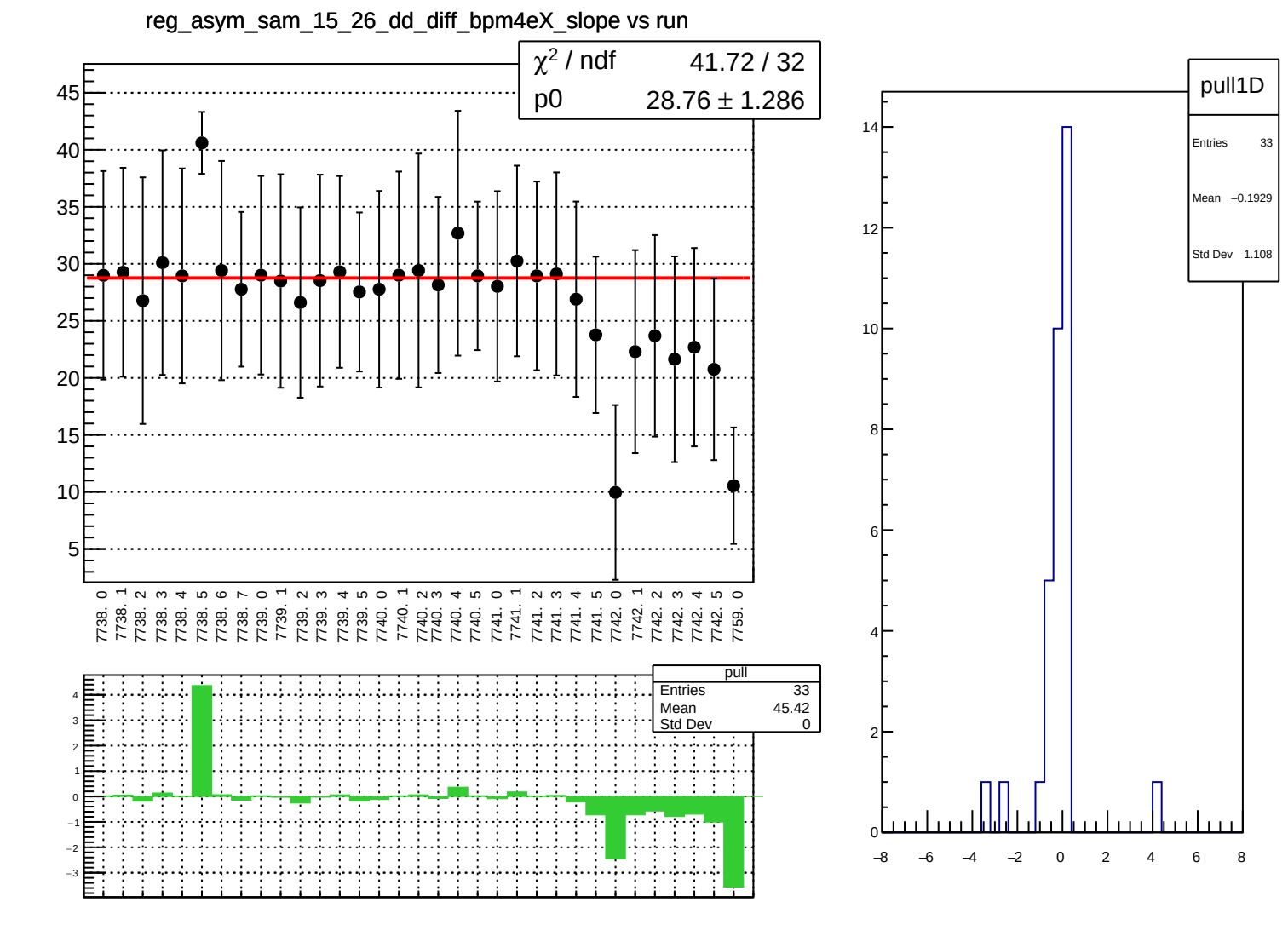

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.186 / 32
p0 11.32 ± 0.5491
20
18
16
14
12
10
8
6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −144.4
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.01686
Std Dev 0.4978
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

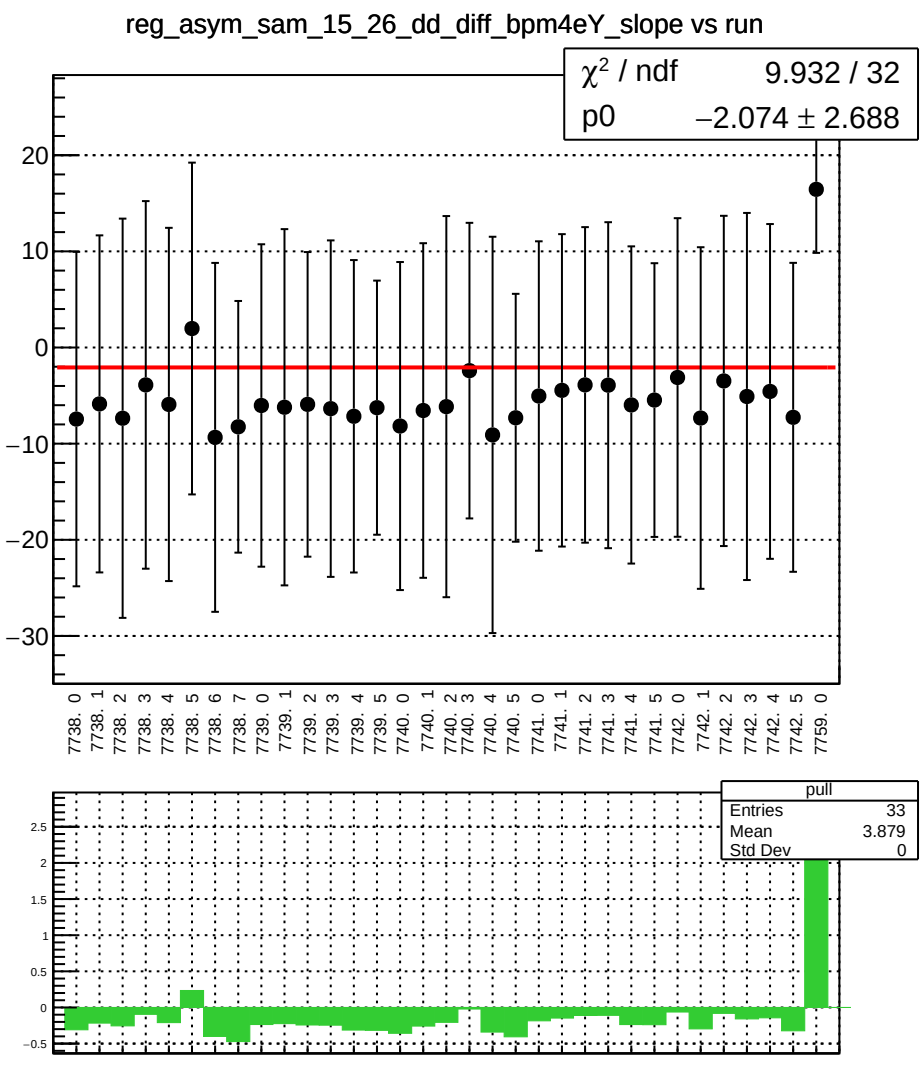

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.09 / 32
p0 −8.334 ± 1.122
pull
Entries 33
Mean −369.6
Std Dev 0
pull1D
Entries 33
Mean 0.004089
Std Dev 0.7197

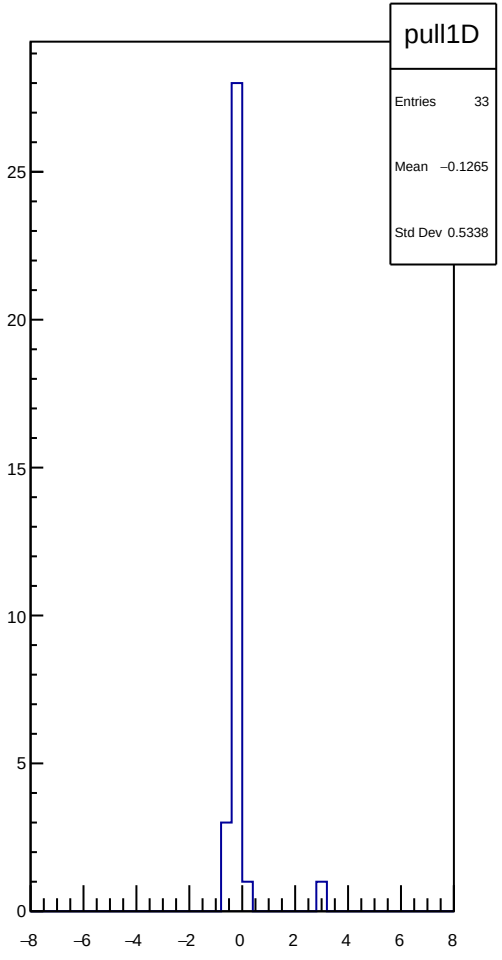

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.162 / 32
p0 0.372 ± 0.0372
0.8
0.6
0.4
0.2
0
−0.2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 170.7
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.006597
Std Dev 0.3551
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

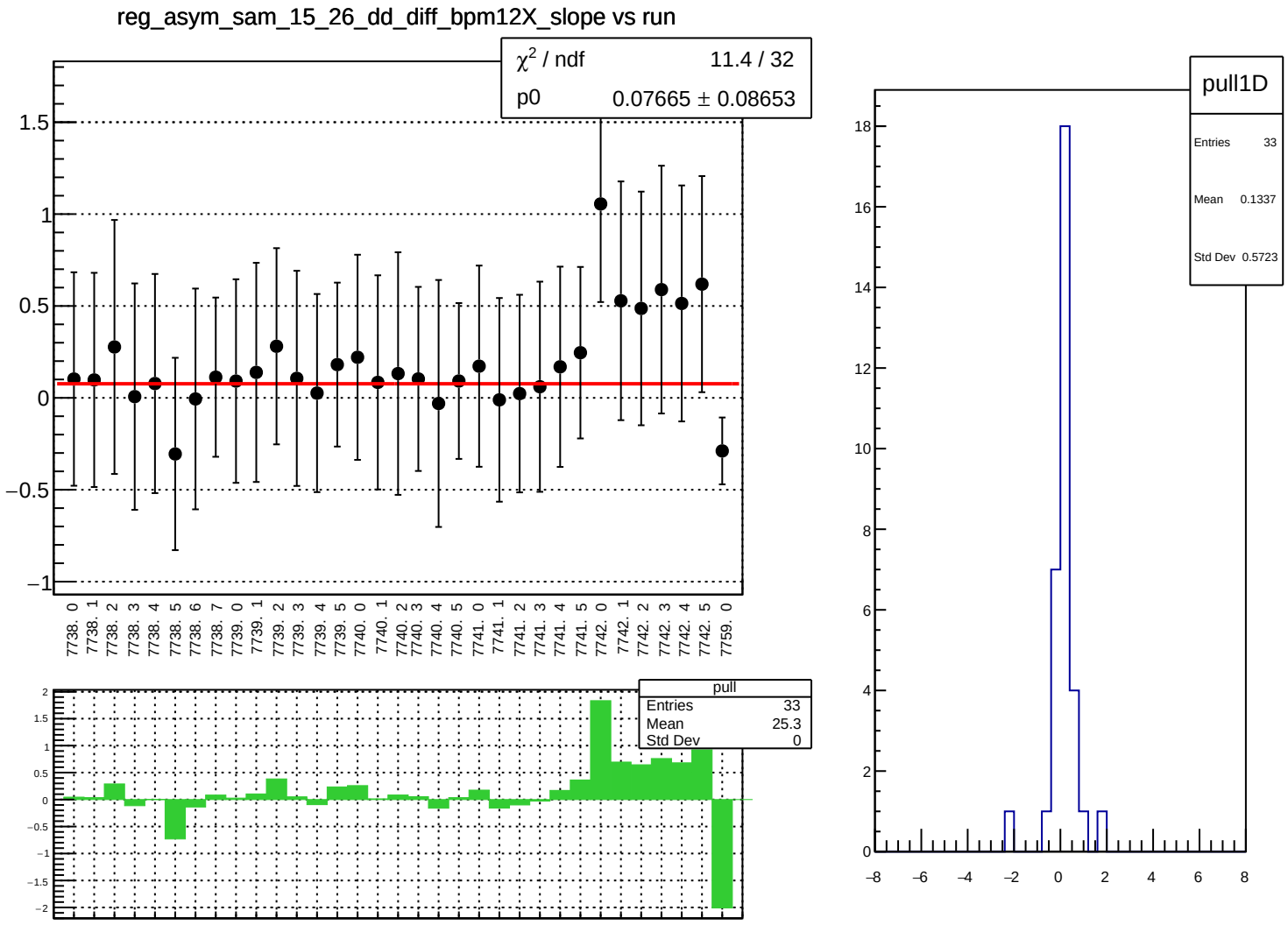

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 21.83 / 32
p0 6.064 ± 1.305
pull
Entries 33
Mean 38.86
Std Dev 0
pull1D
Entries 33
Mean 0.1648
Std Dev 0.7964

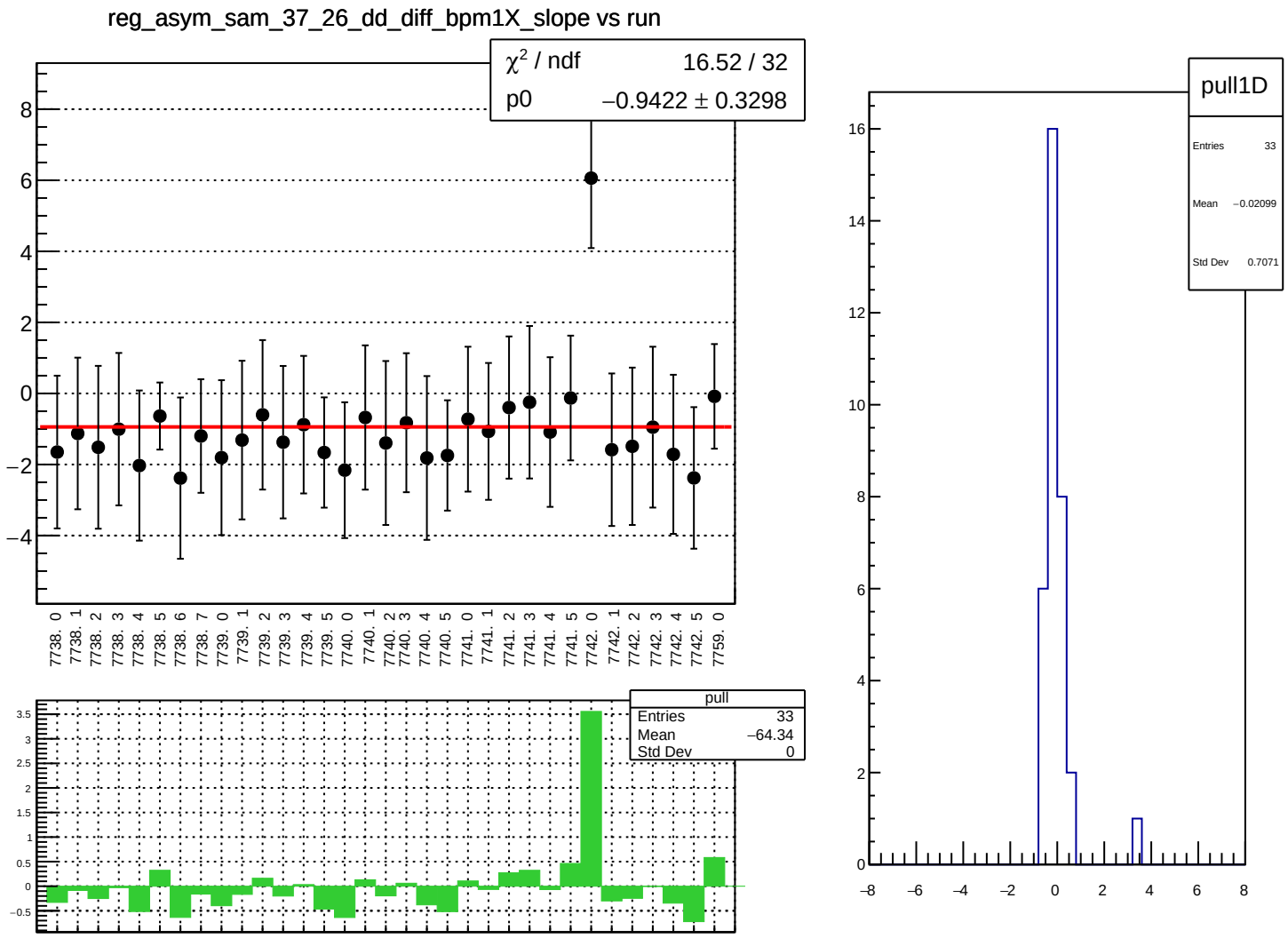

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.24 / 32
p0 20.47 ± 1.527
pull
Entries 33
Mean −27.24
Std Dev 0
pull1D
Entries 33
Mean 0.0113
Std Dev 0.1935

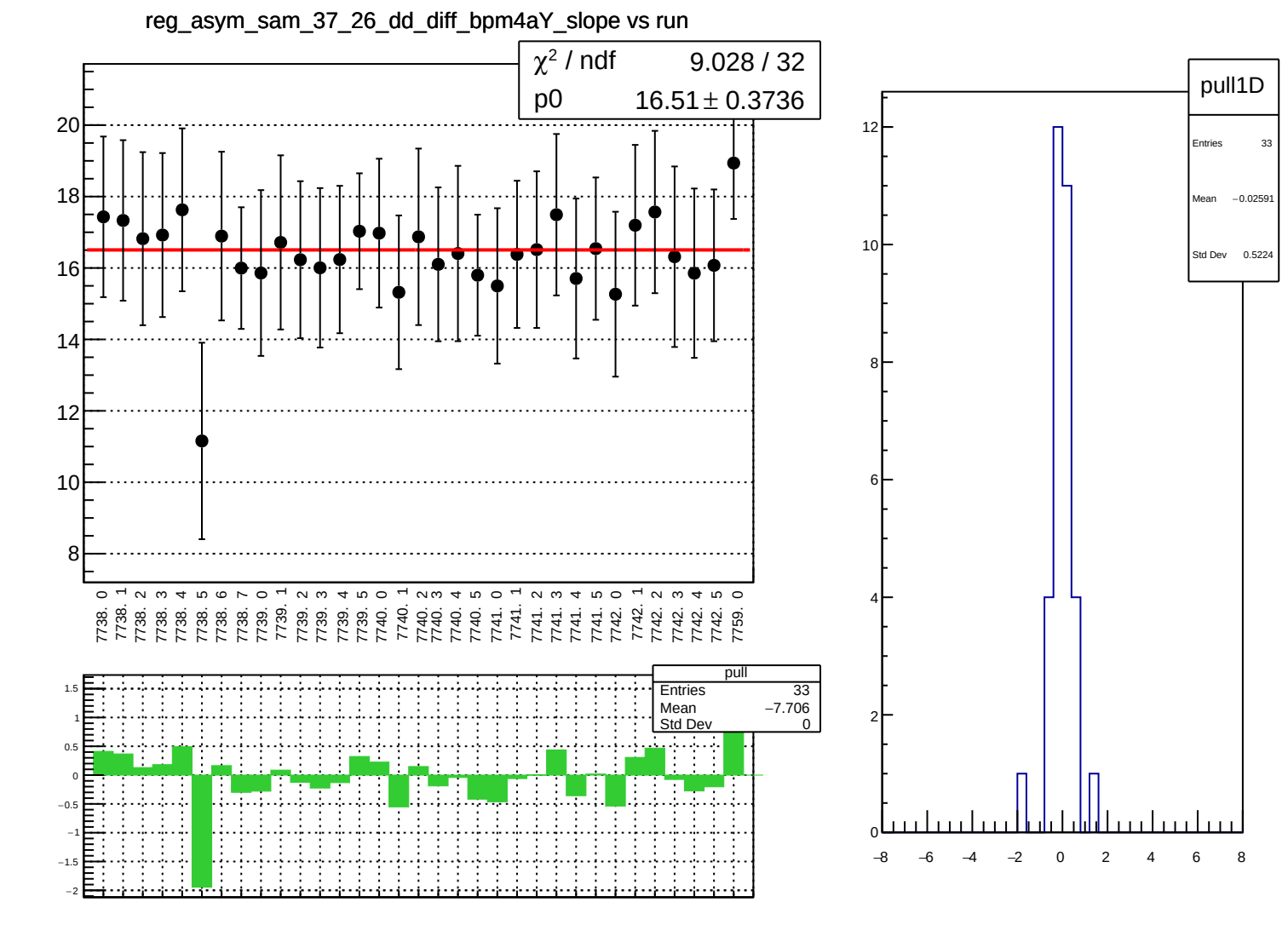

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.72 / 32
p0 28.76 ± 1.286
pull
Entries 33
Mean 45.42
Std Dev 0
pull1D
Entries 33
Mean −0.1929
Std Dev 1.108

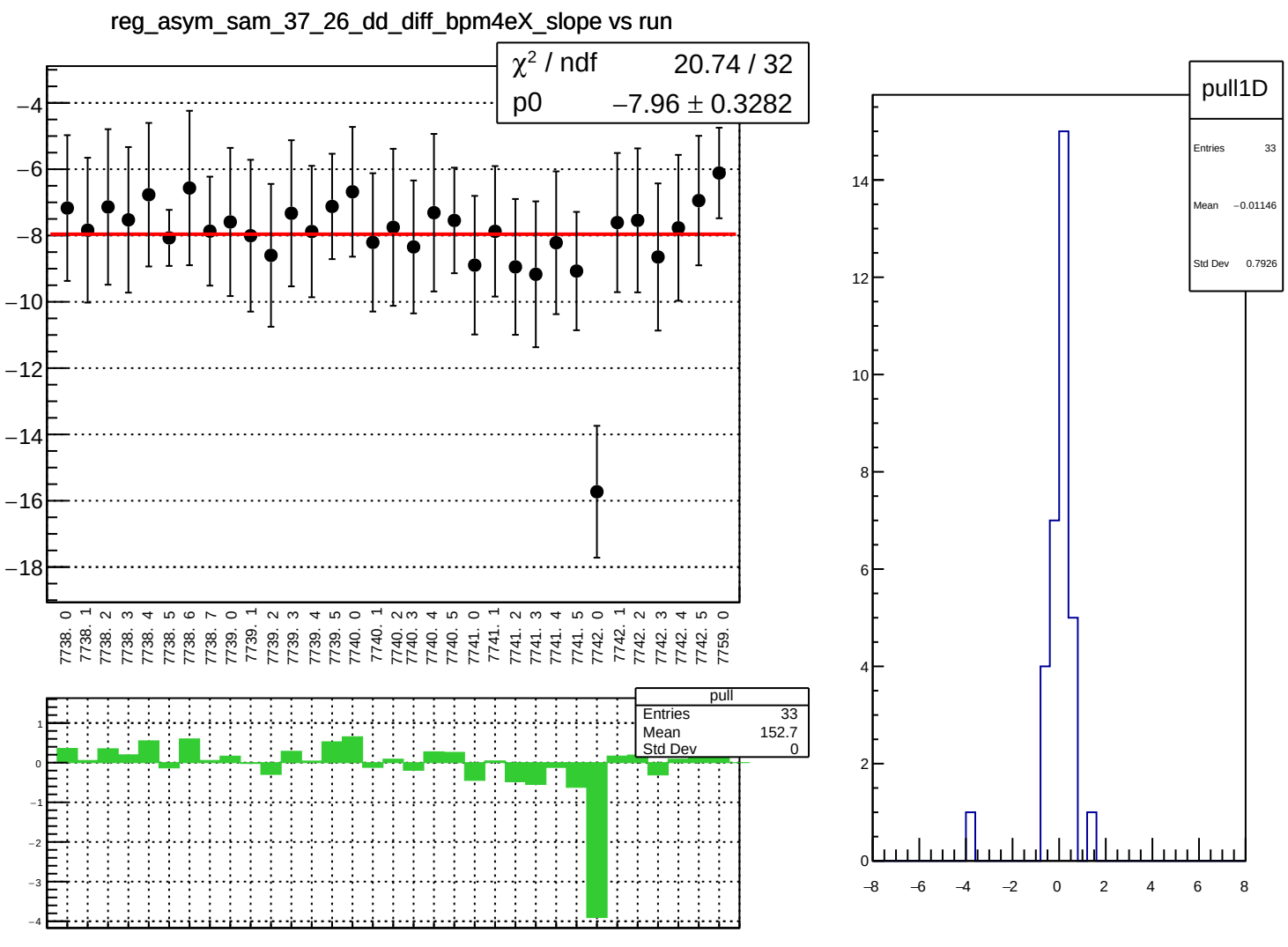

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.932 / 32
p0 −2.074 ± 2.688
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.879
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5

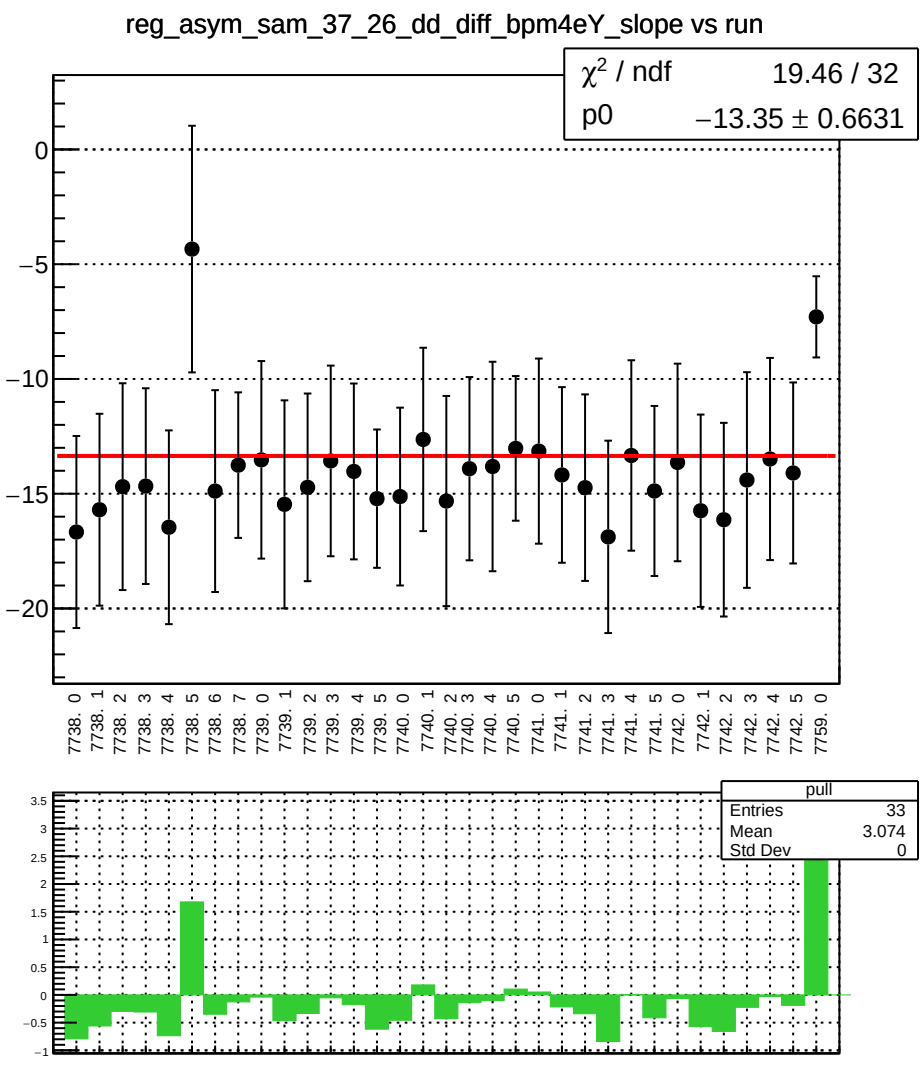

pull1D
Entries 33
Mean −0.1265
Std Dev 0.5338
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

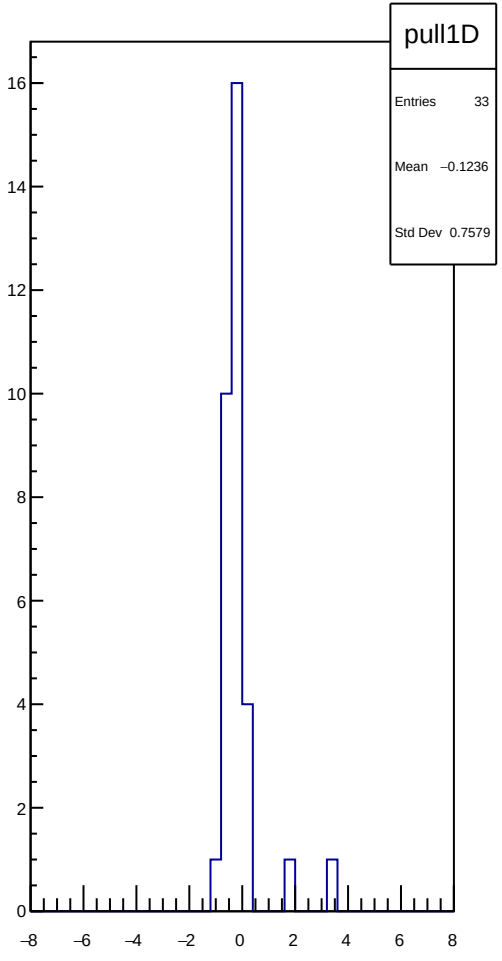

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.4 / 32
p0 0.07665 ± 0.08653
1.5
1
0.5
0
−0.5
−1
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 25.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1337
Std Dev 0.5723
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

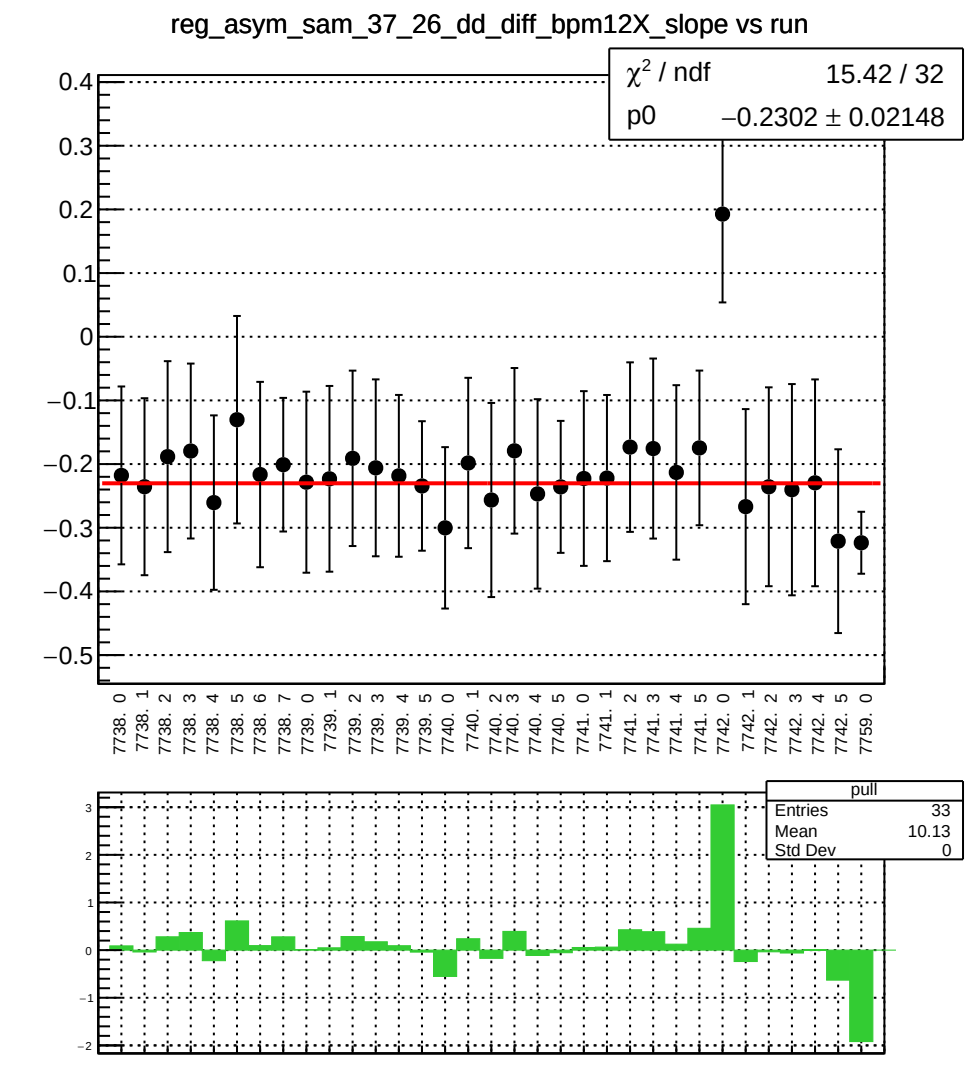

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 16.52 / 32
p0 −0.9422 ± 0.3298
pull
Entries 33
Mean −64.34
Std Dev 0
pull1D
Entries 33
Mean −0.02099
Std Dev 0.7071

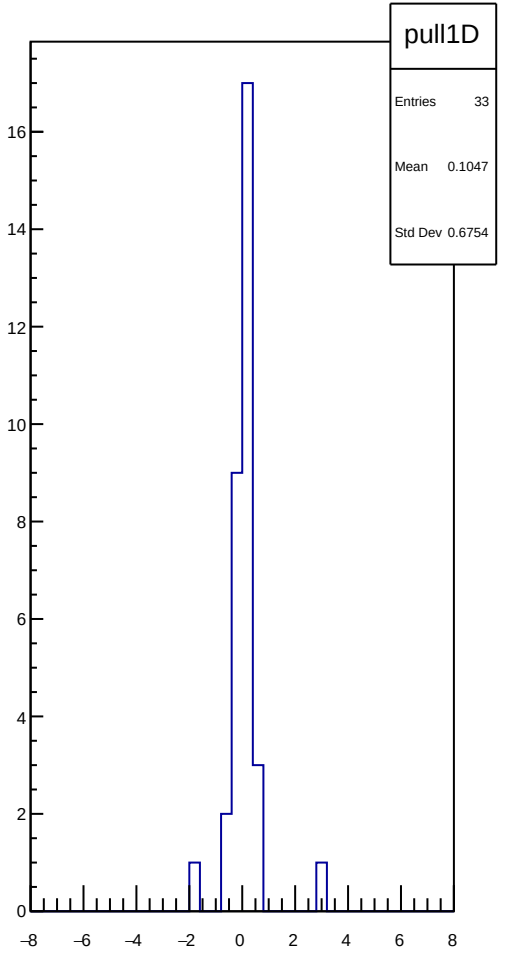

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.028 / 32
p0 16.51 ± 0.3736
20
18
16
14
12
10
8
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.706
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02591
Std Dev 0.5224
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

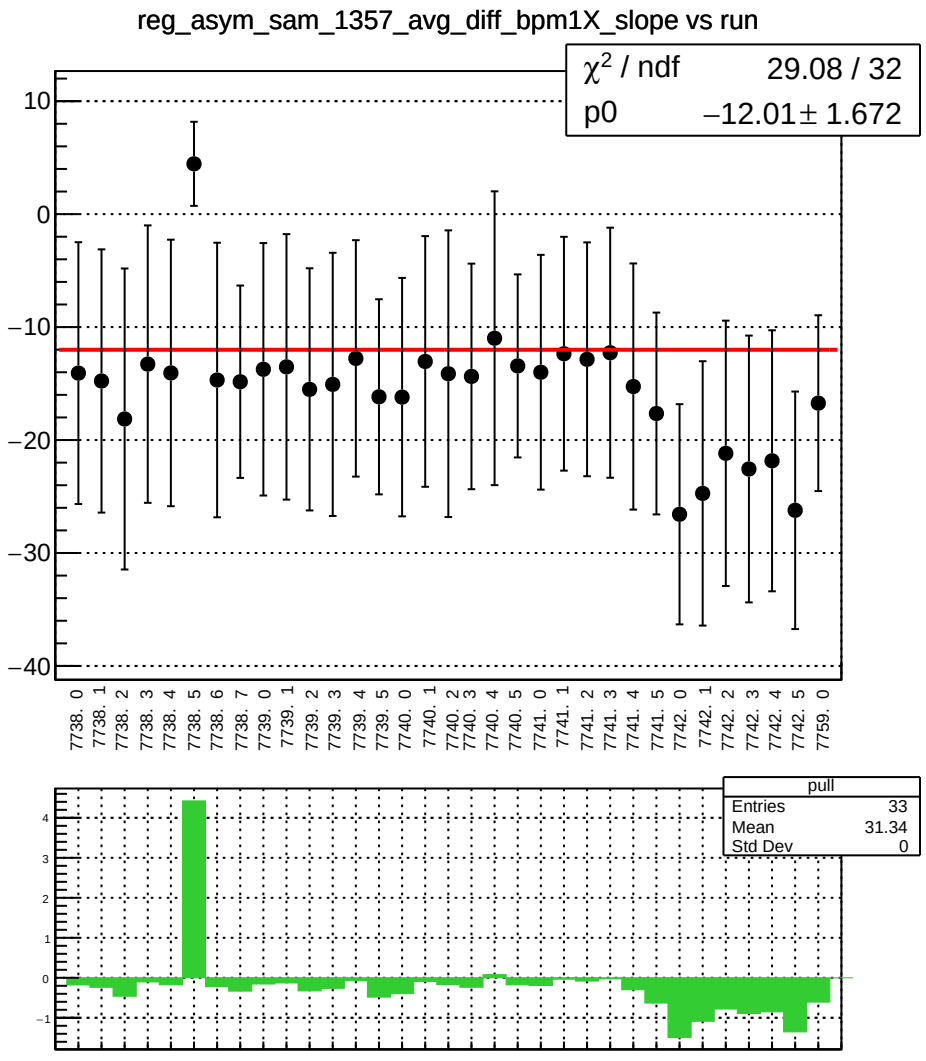

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.74 / 32
p0 −7.96 ± 0.3282
−4
−6
−8
−10
−12
−14
−16
−18
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 152.7
Std Dev 0
1
0
−1
−2
−3
−4
pull1D
Entries 33
Mean −0.01146
Std Dev 0.7926
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

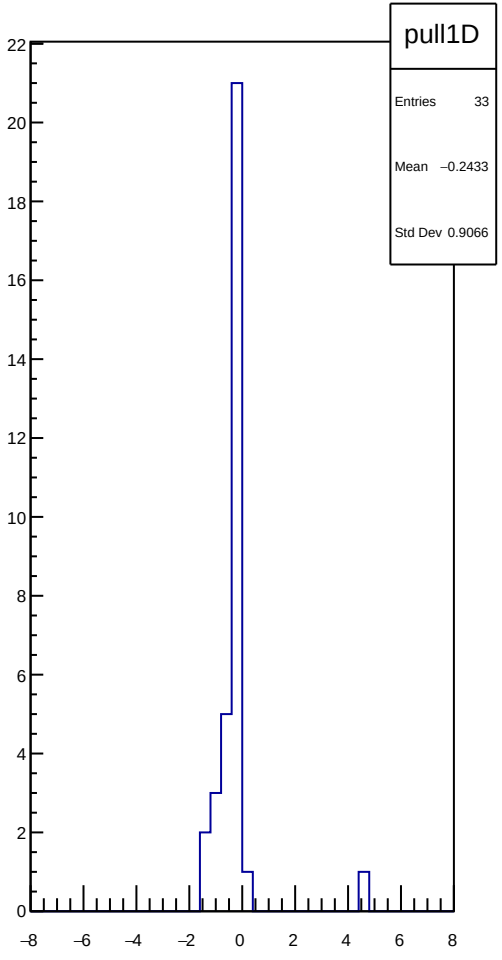

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.46 / 32
p0 −13.35 ± 0.6631
pull
Entries 33
Mean 3.074
Std Dev 0

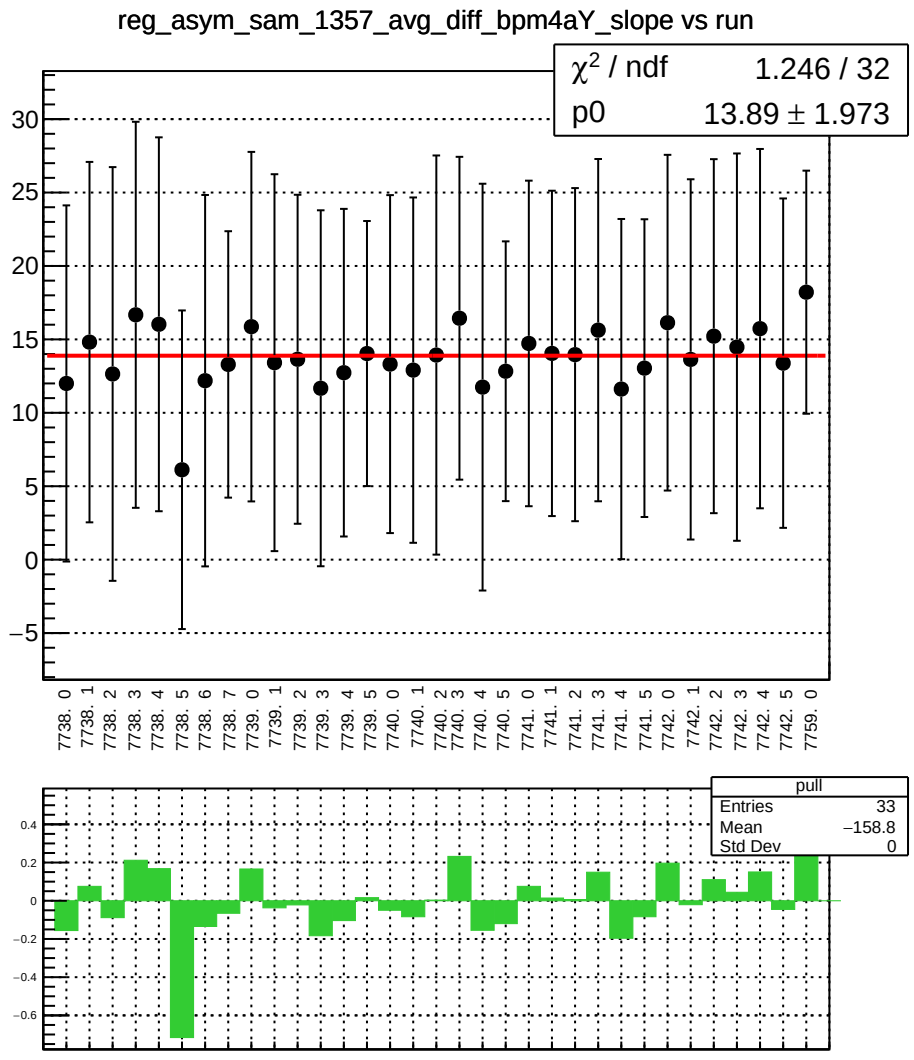

pull1D
Entries 33
Mean −0.1236
Std Dev 0.7579

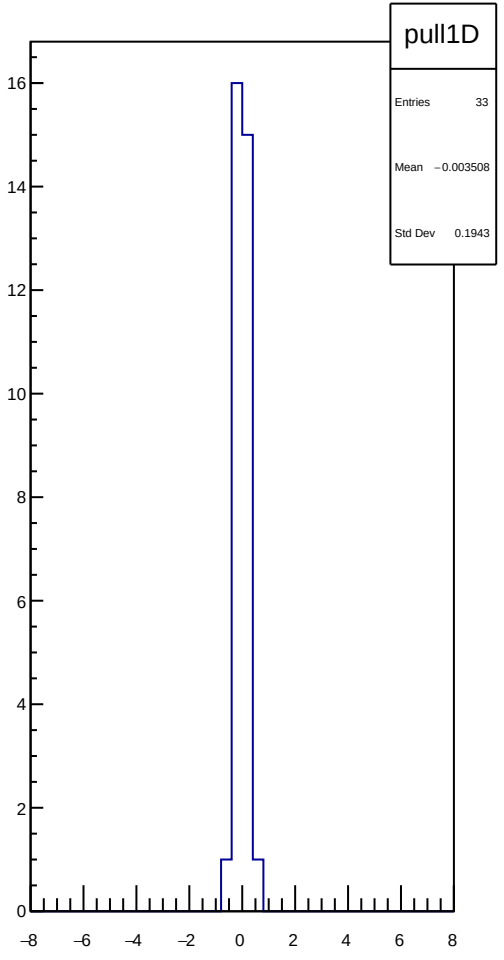

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 15.42 / 32
p0 −0.2302 ± 0.02148
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.13
Std Dev 0
3
2
1
0
−1
−2

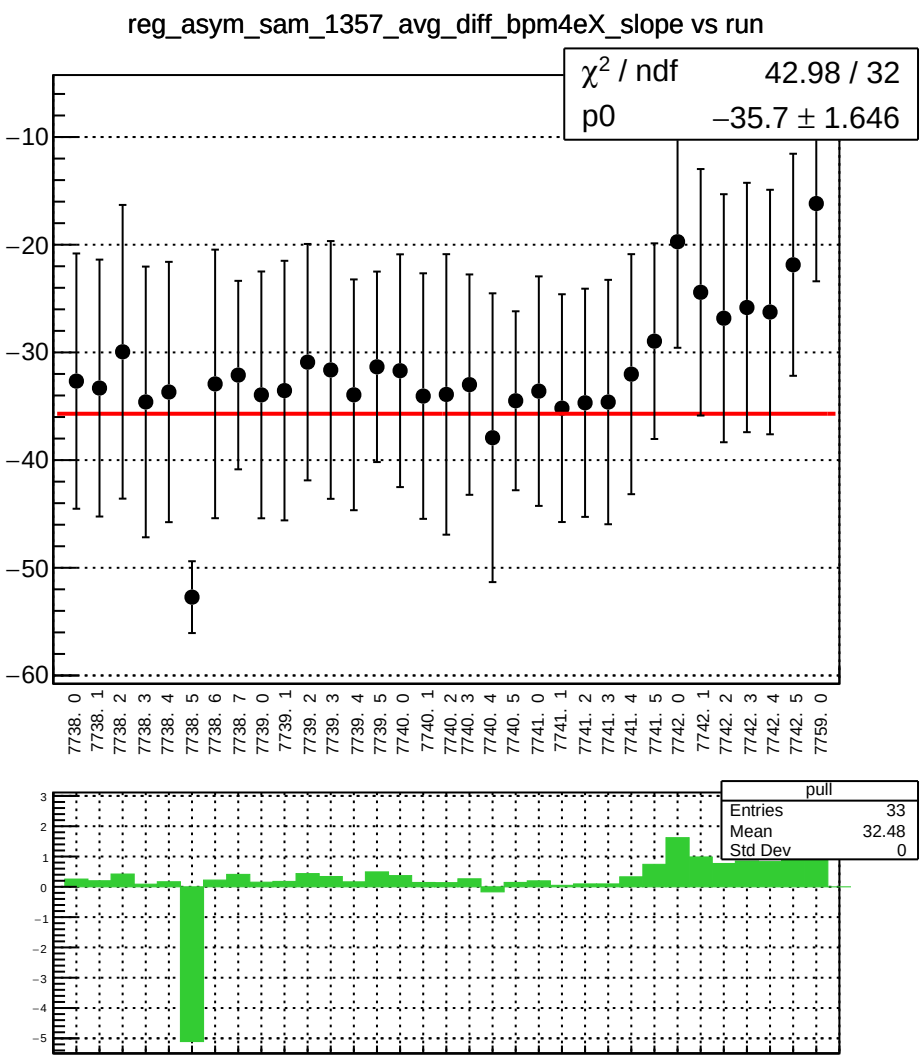

pull1D
Entries 33
Mean 0.1047
Std Dev 0.6754
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

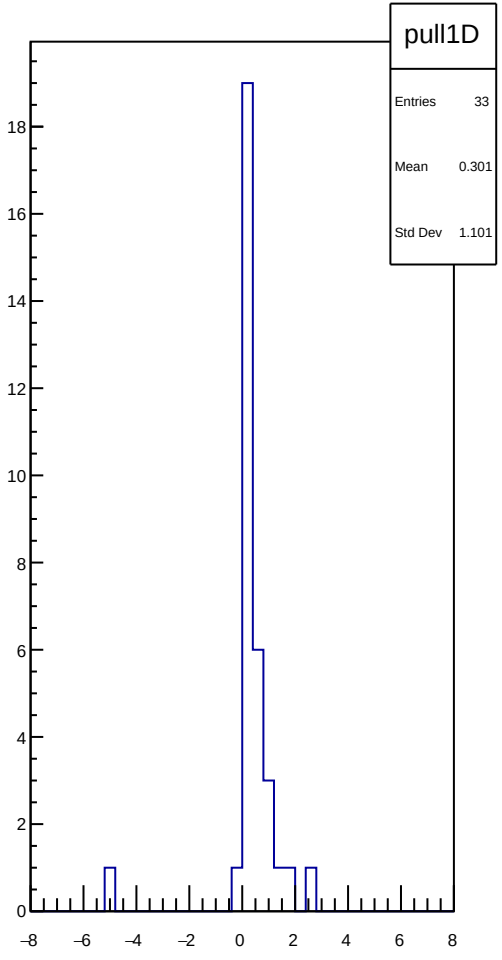

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 29.08 / 32
p0 −12.01± 1.672
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.34
Std Dev 0
4
3
2
1
0
−1

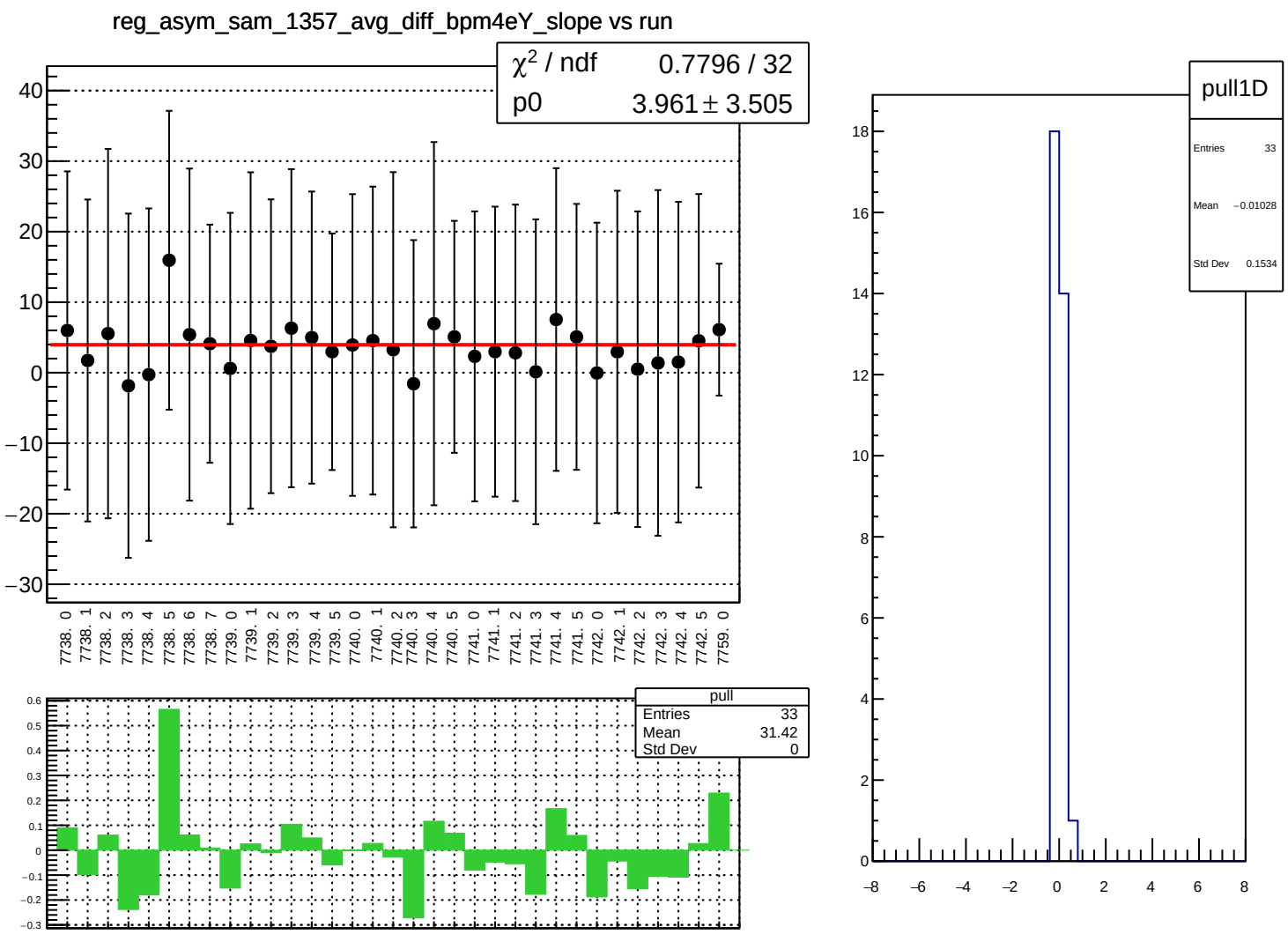

pull1D
Entries 33
Mean −0.2433
Std Dev 0.9066
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

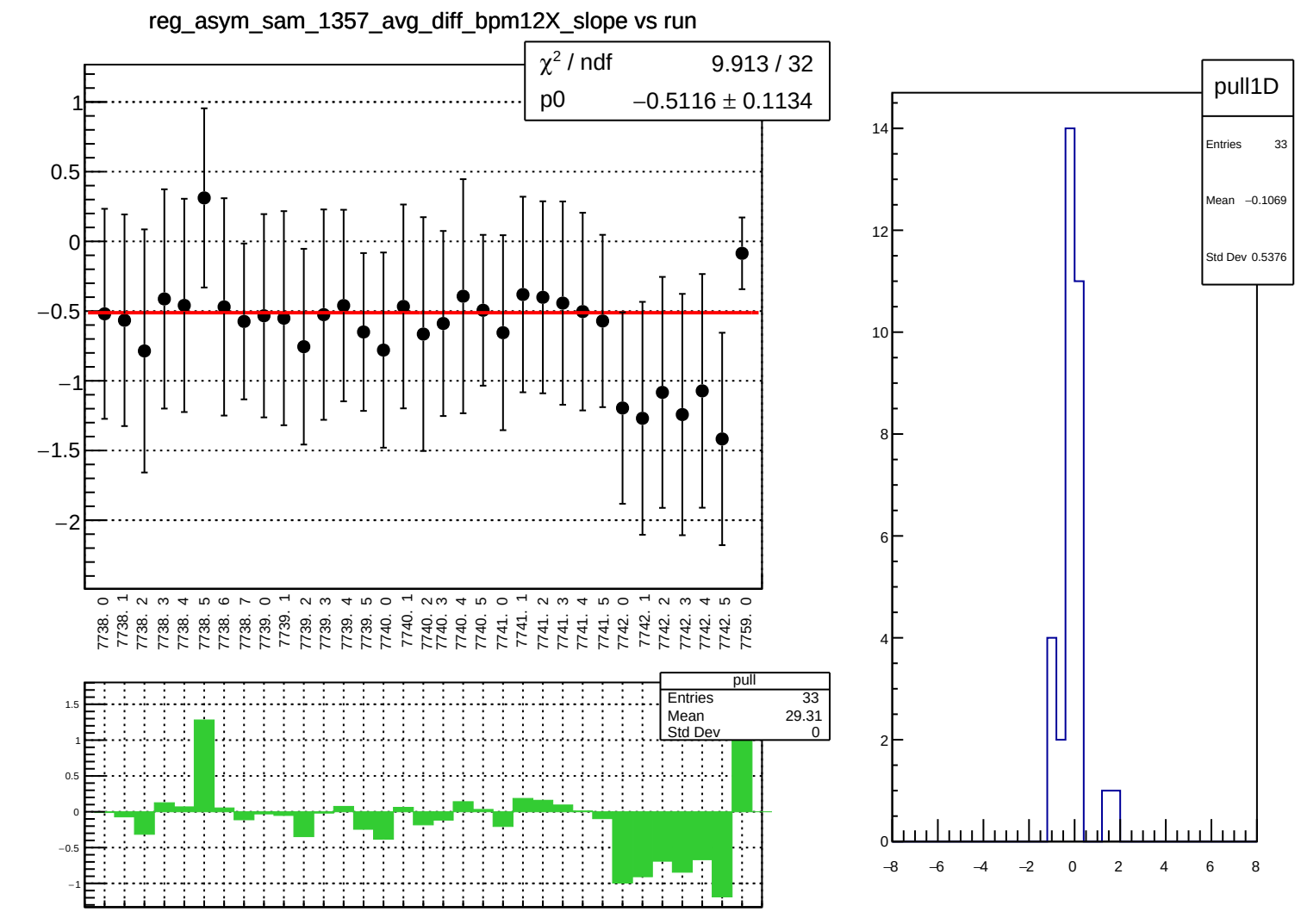

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.246 / 32
p0 13.89 ± 1.973
pull
Entries 33
Mean −158.8
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

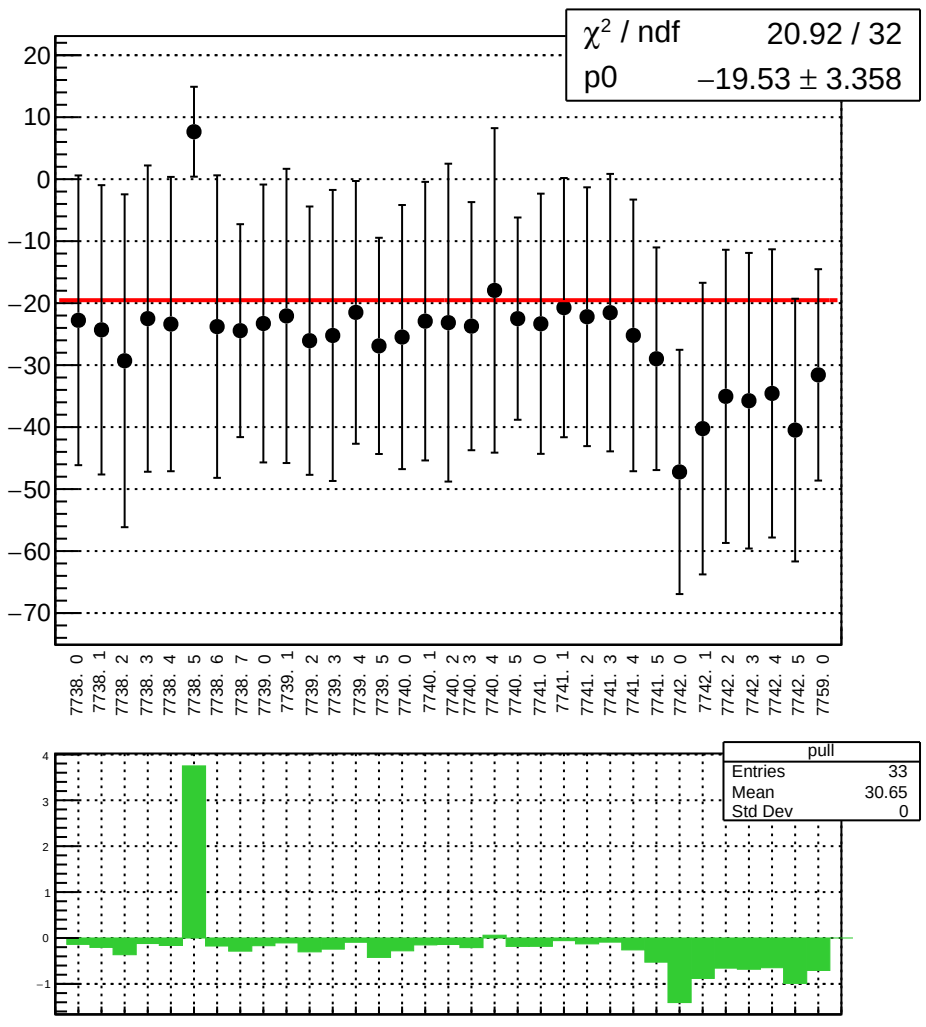

pull1D
Entries 33
Mean −0.003508
Std Dev 0.1943

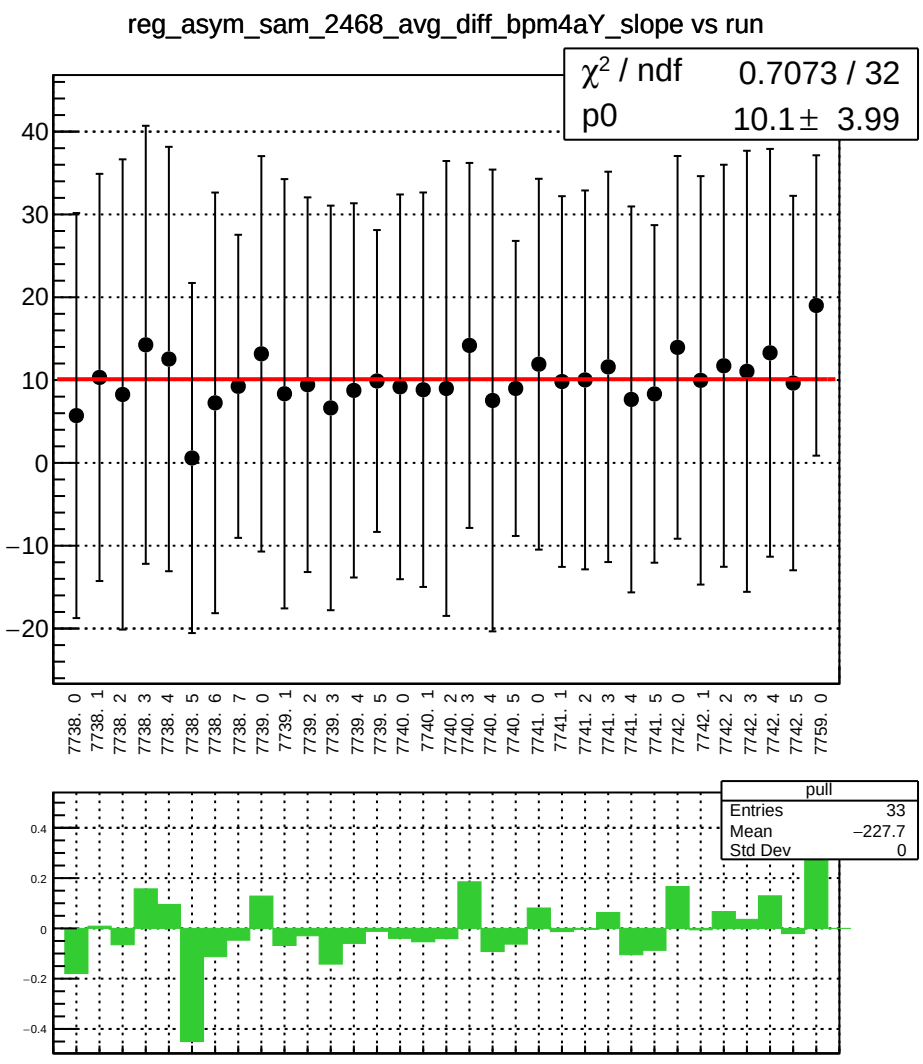

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.98 / 32
p0 −35.7 ± 1.646
−10
−20
−30
−40
−50
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.48
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

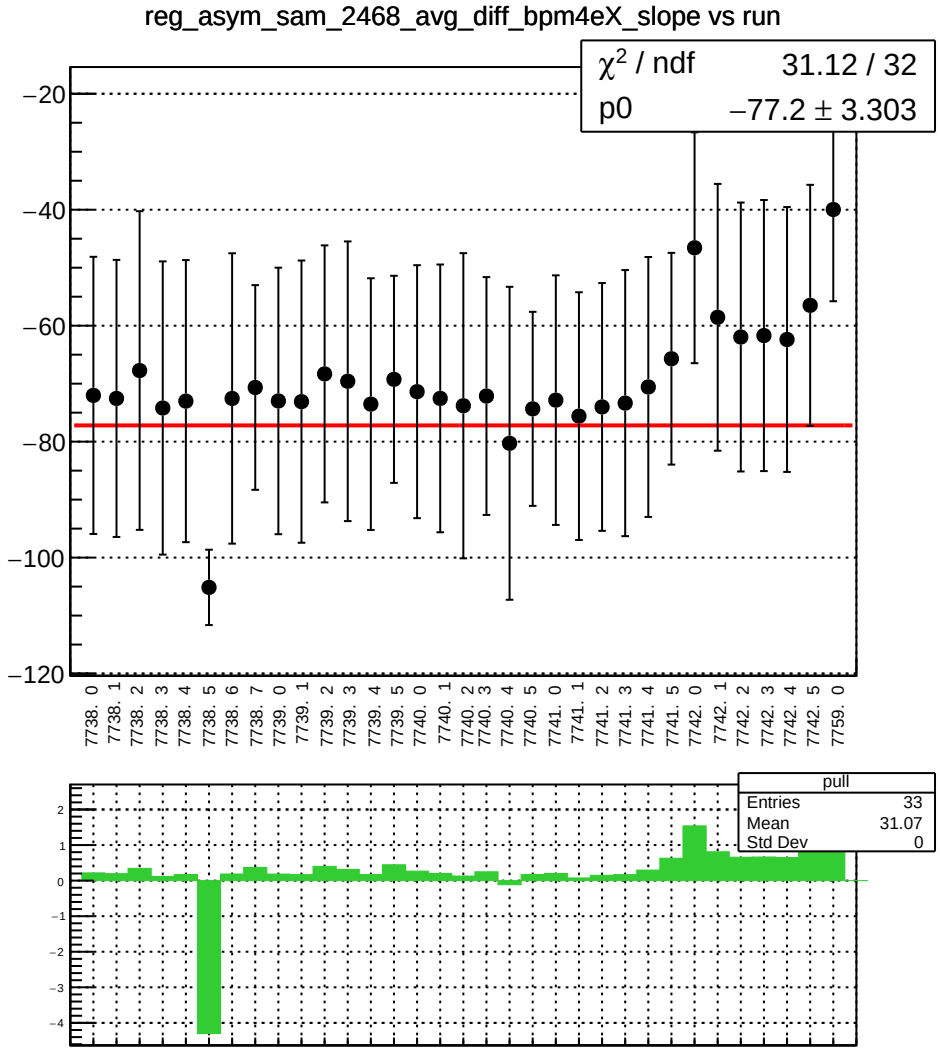

pull1D
Entries 33
Mean 0.301
Std Dev 1.101
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

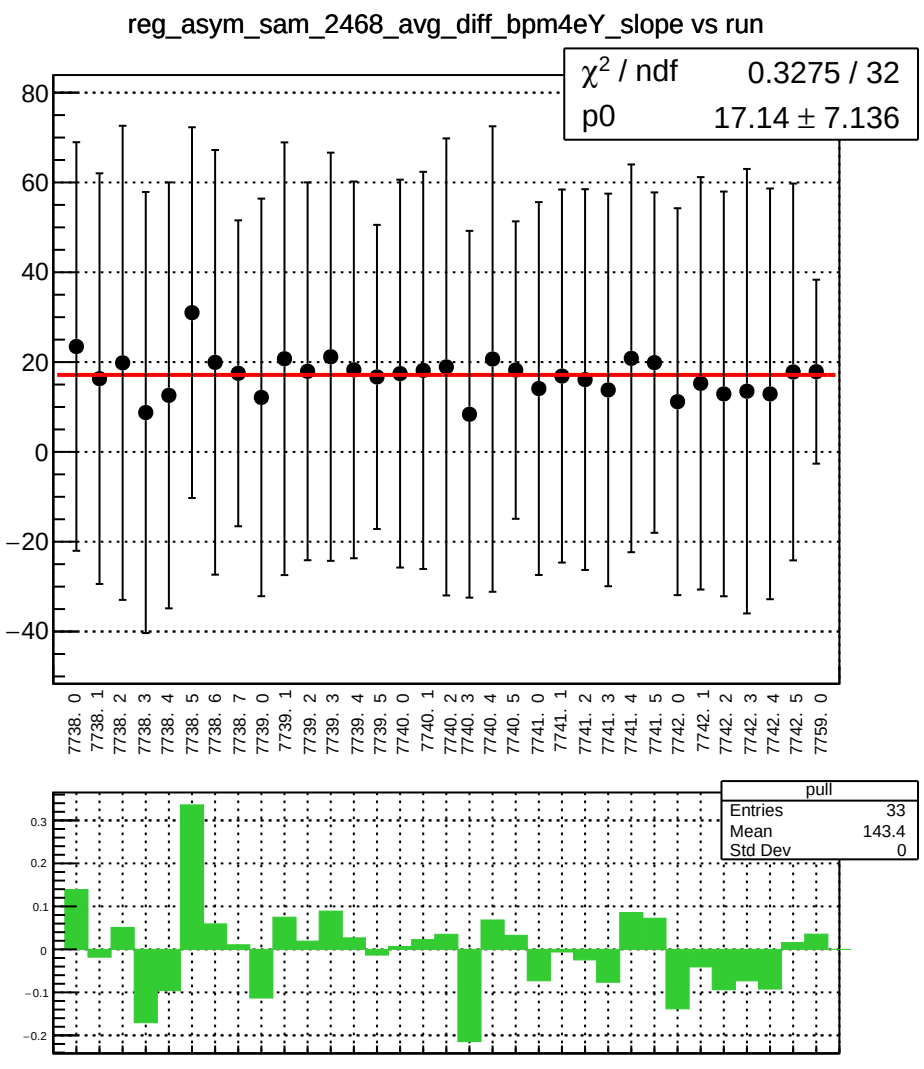

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.7796 / 32
p0 3.961 ± 3.505
pull
Entries 33
Mean 31.42
Std Dev 0
pull1D
Entries 33
Mean −0.01028
Std Dev 0.1534

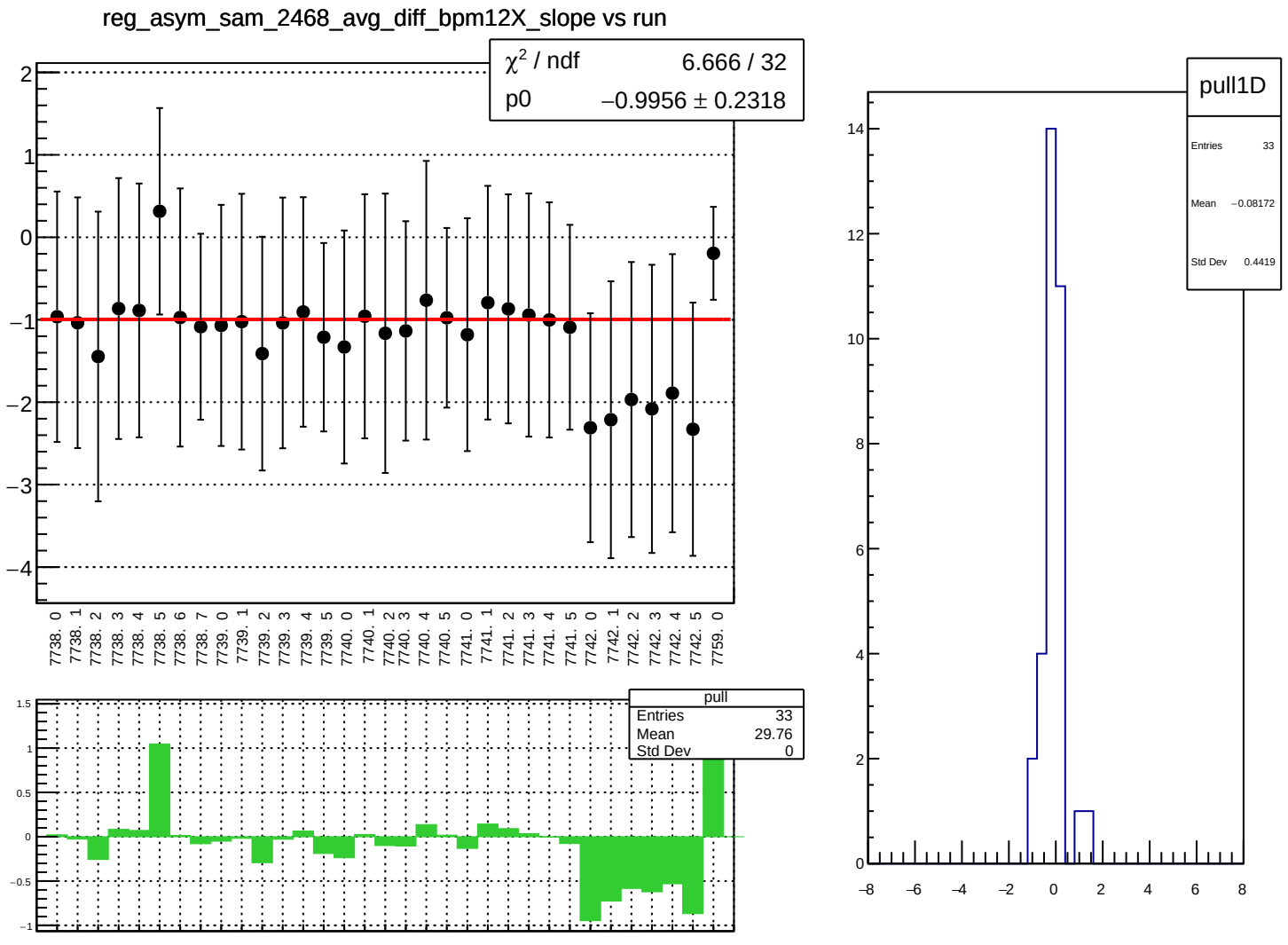

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 9.913 / 32
p0 −0.5116 ± 0.1134
1
0.5
0
−0.5
−1
−1.5
−2
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.1069
Std Dev 0.5376
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

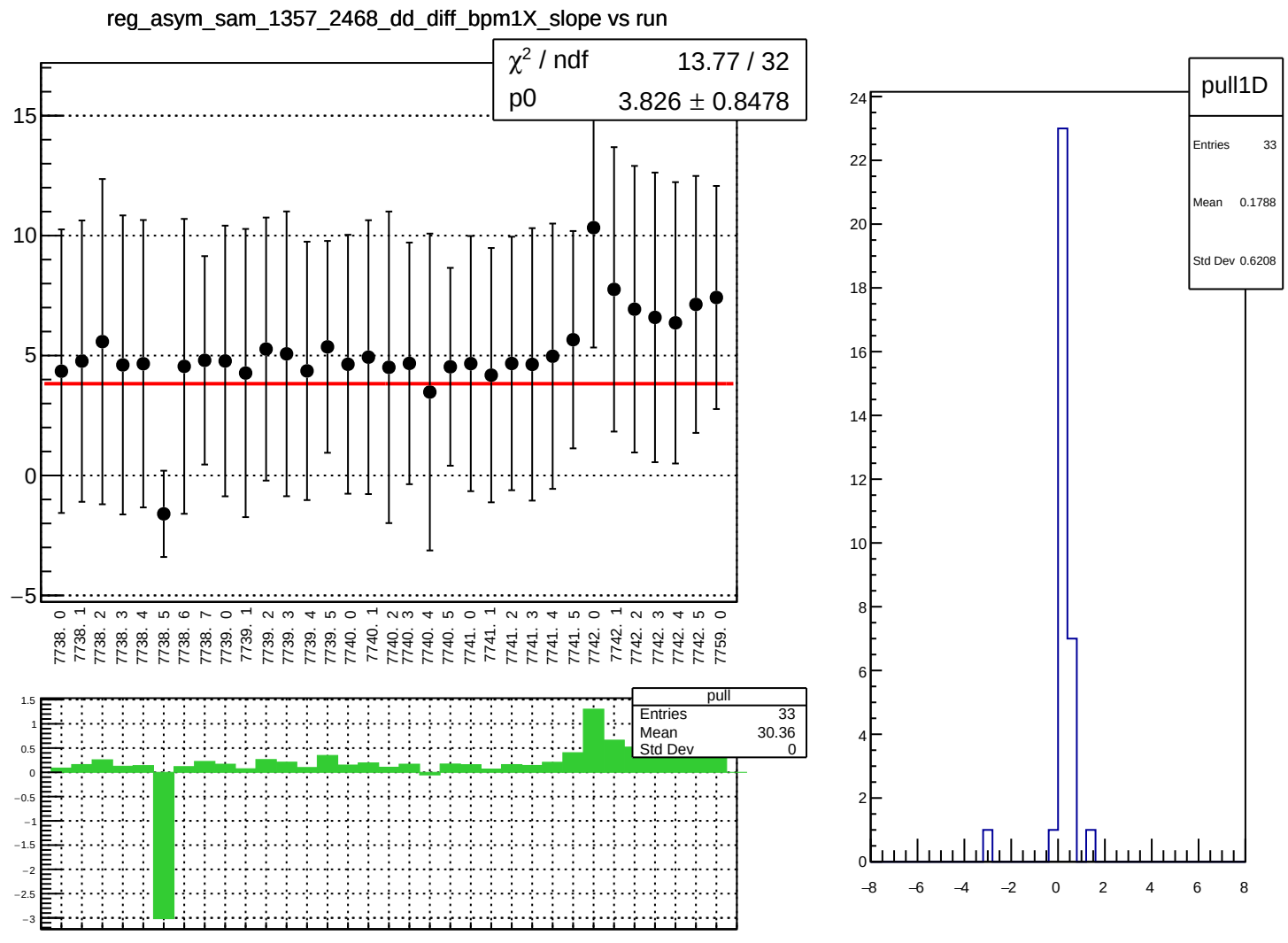

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 20.92 / 32
p0 −19.53 ± 3.358
pull
Entries 33
Mean 30.65
Std Dev 0
pull1D
Entries 33
Mean −0.2165
Std Dev 0.7662

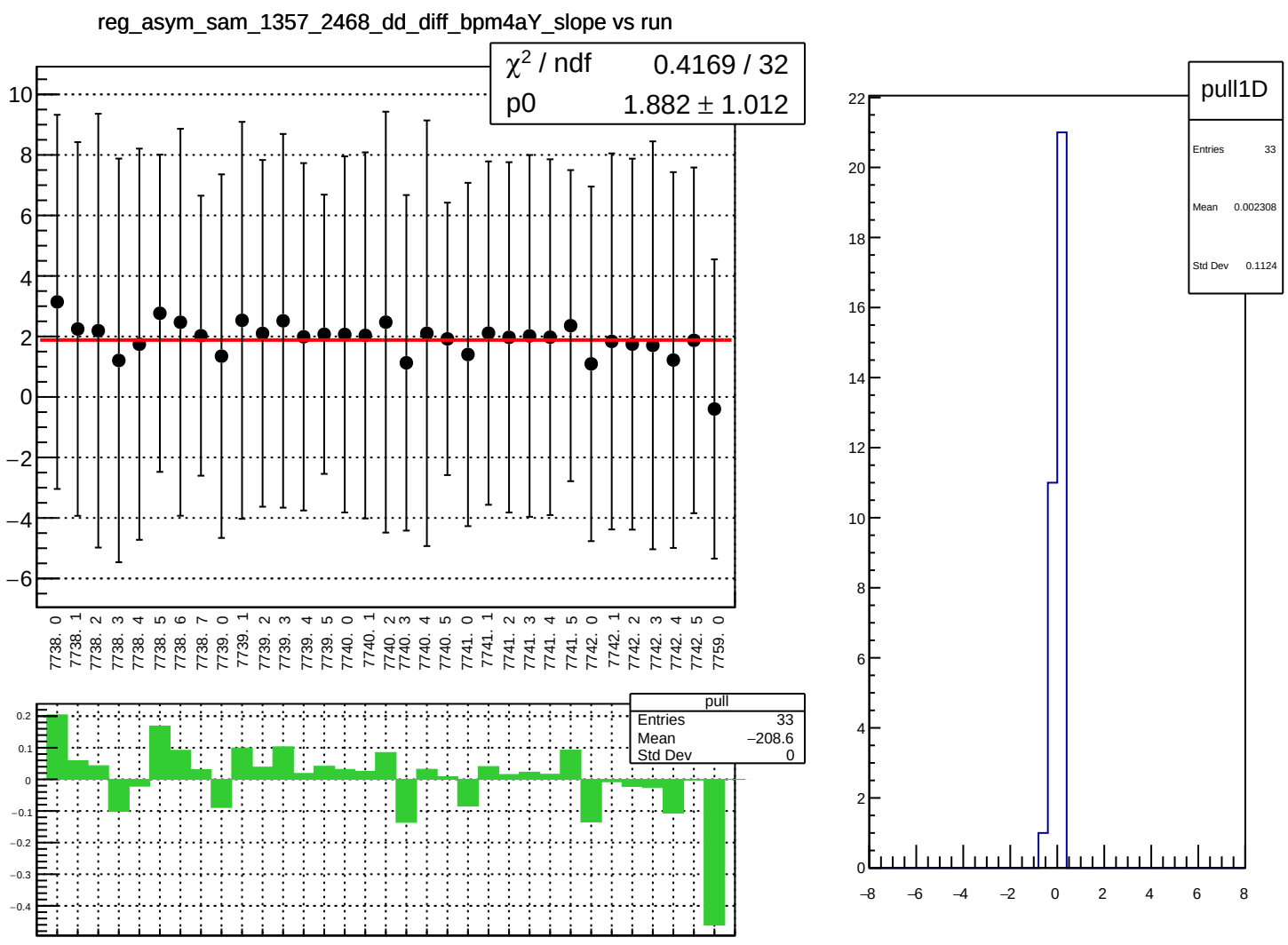

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.7073 / 32
p0 10.1 ± 3.99
40
30
20
10
0
−10
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −227.7
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.002334
Std Dev 0.1464
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

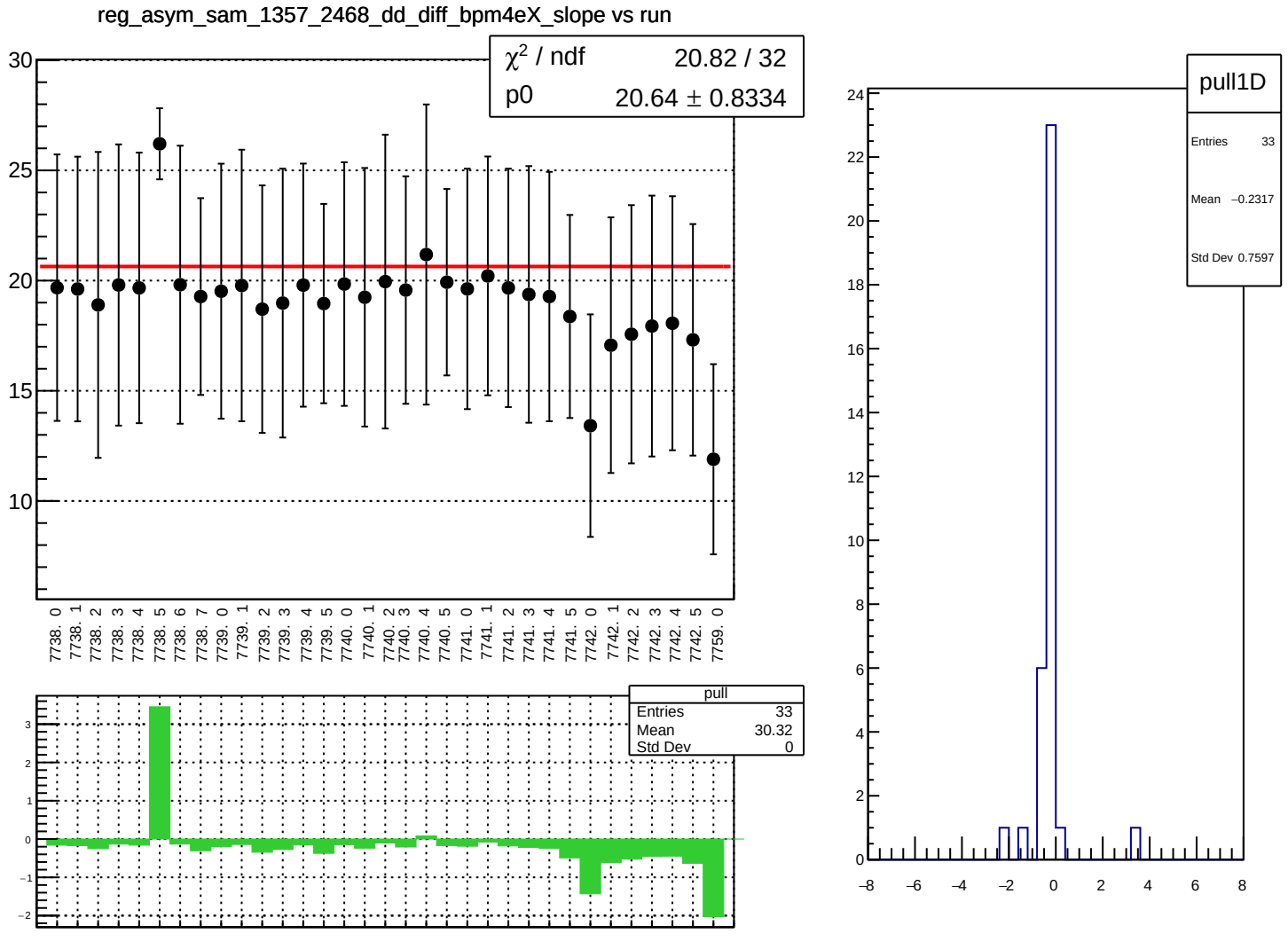

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.12 / 32
p0 −77.2 ± 3.303
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.07
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 33
Mean 0.275
Std Dev 0.9314
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

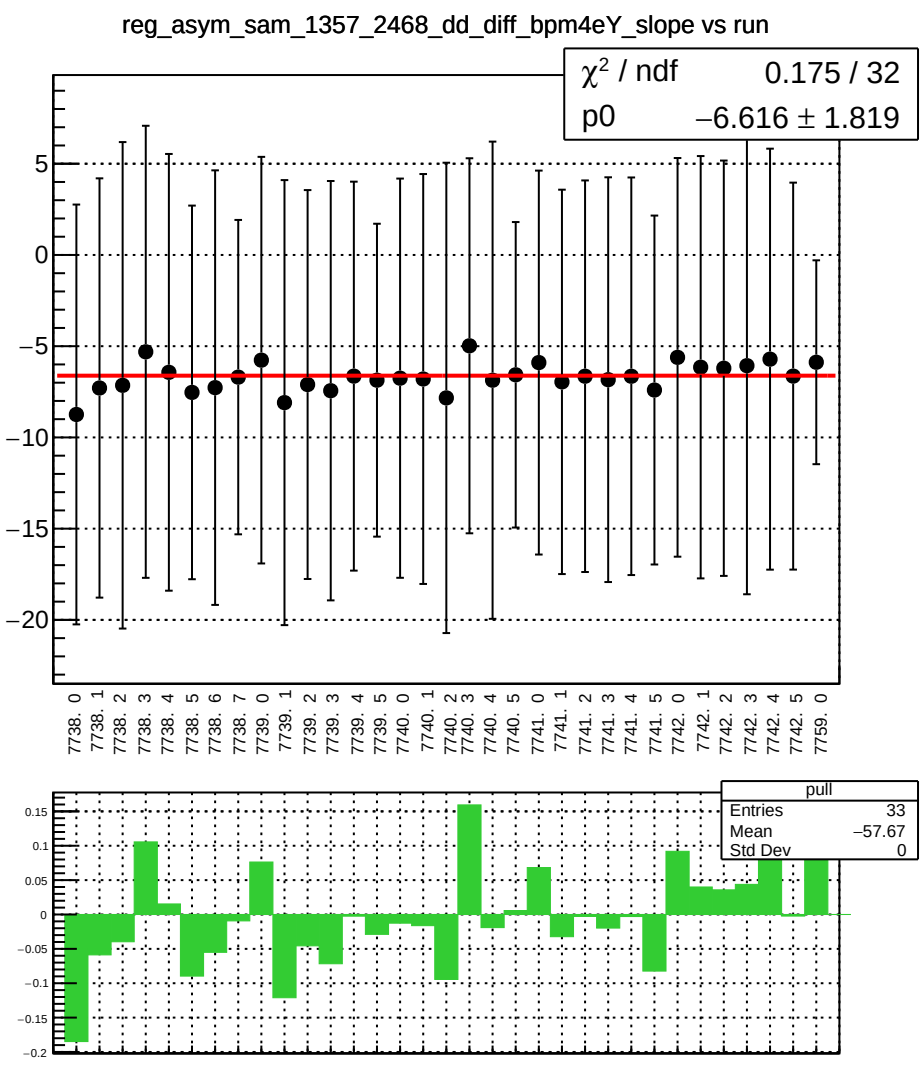

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.3275 / 32
p0 17.14 ± 7.136
80
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 143.4
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.001913
Std Dev 0.0996
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

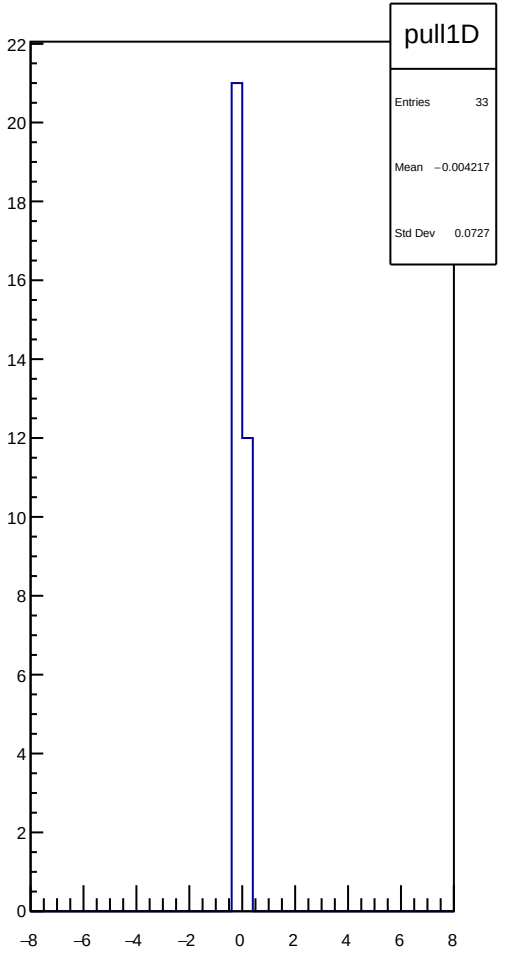

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 6.666 / 32
p0 −0.9956 ± 0.2318
pull
Entries 33
Mean 29.76
Std Dev 0
pull1D
Entries 33
Mean −0.08172
Std Dev 0.4419

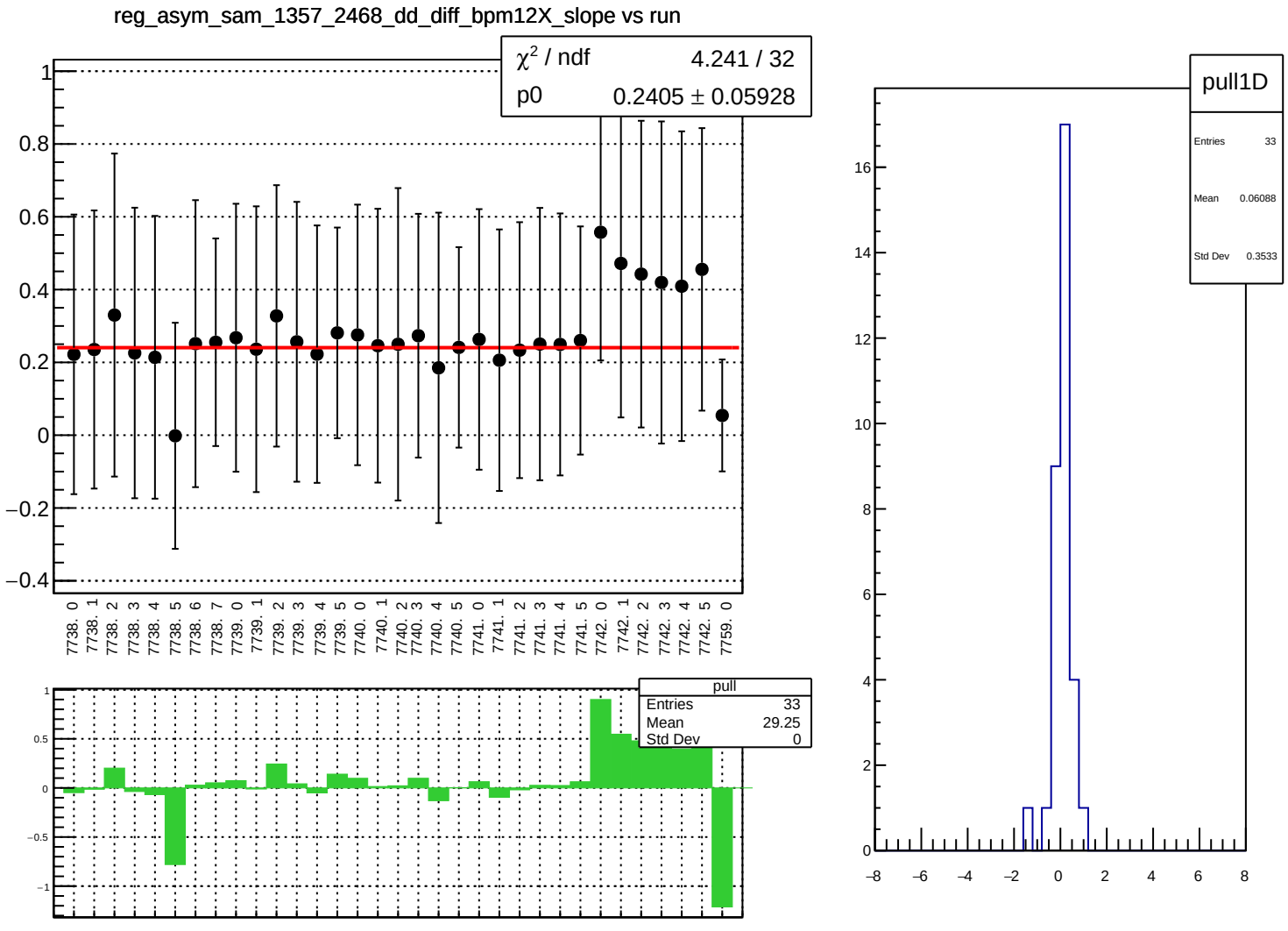

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 13.77 / 32
p0 3.826 ± 0.8478
15
10
5
0
−5
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 30.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 33
Mean 0.1788
Std Dev 0.6208
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

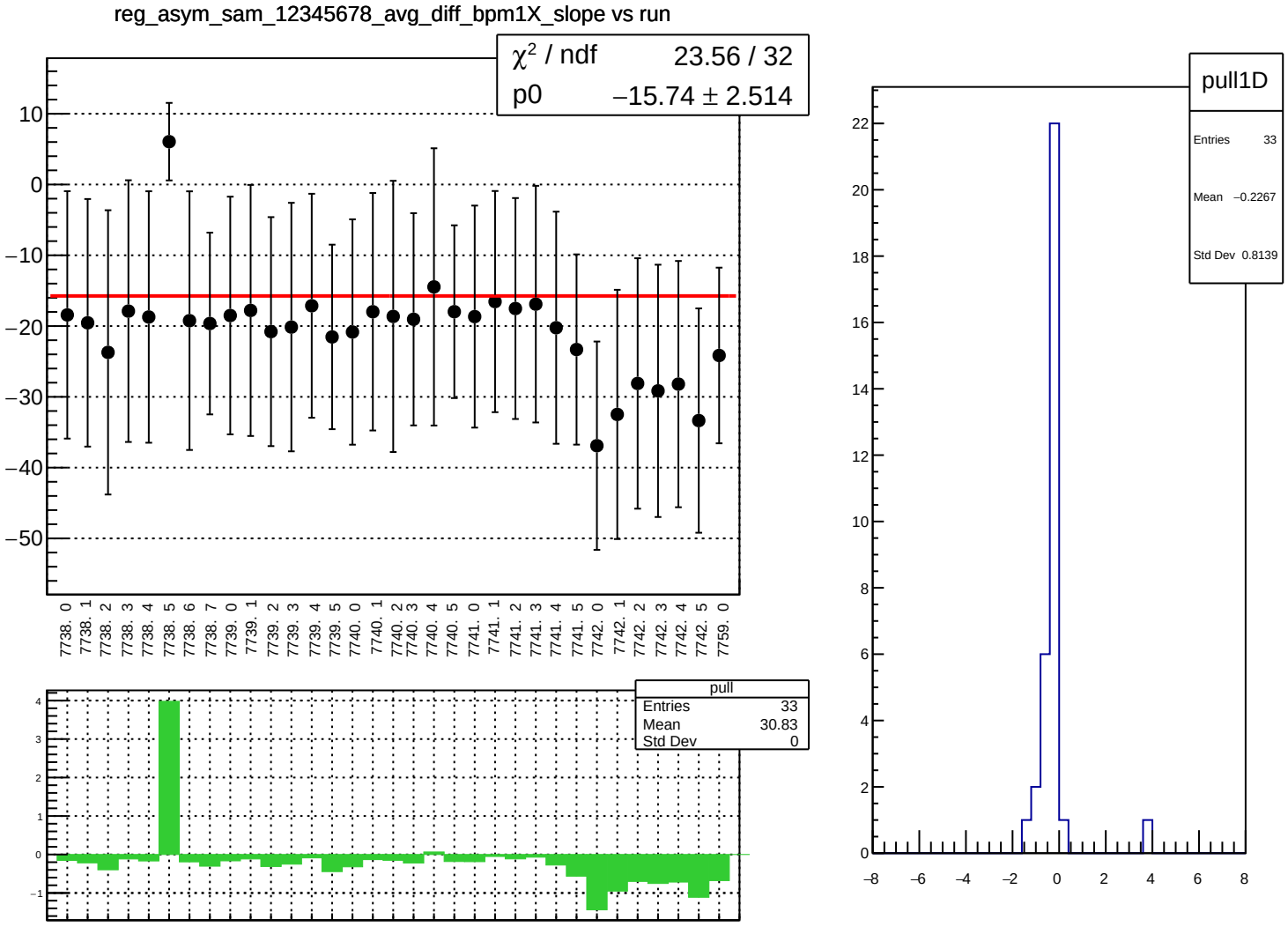

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.4169 / 32
p0 1.882 ± 1.012
10
8
6
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −208.6
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean 0.002308
Std Dev 0.1124
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

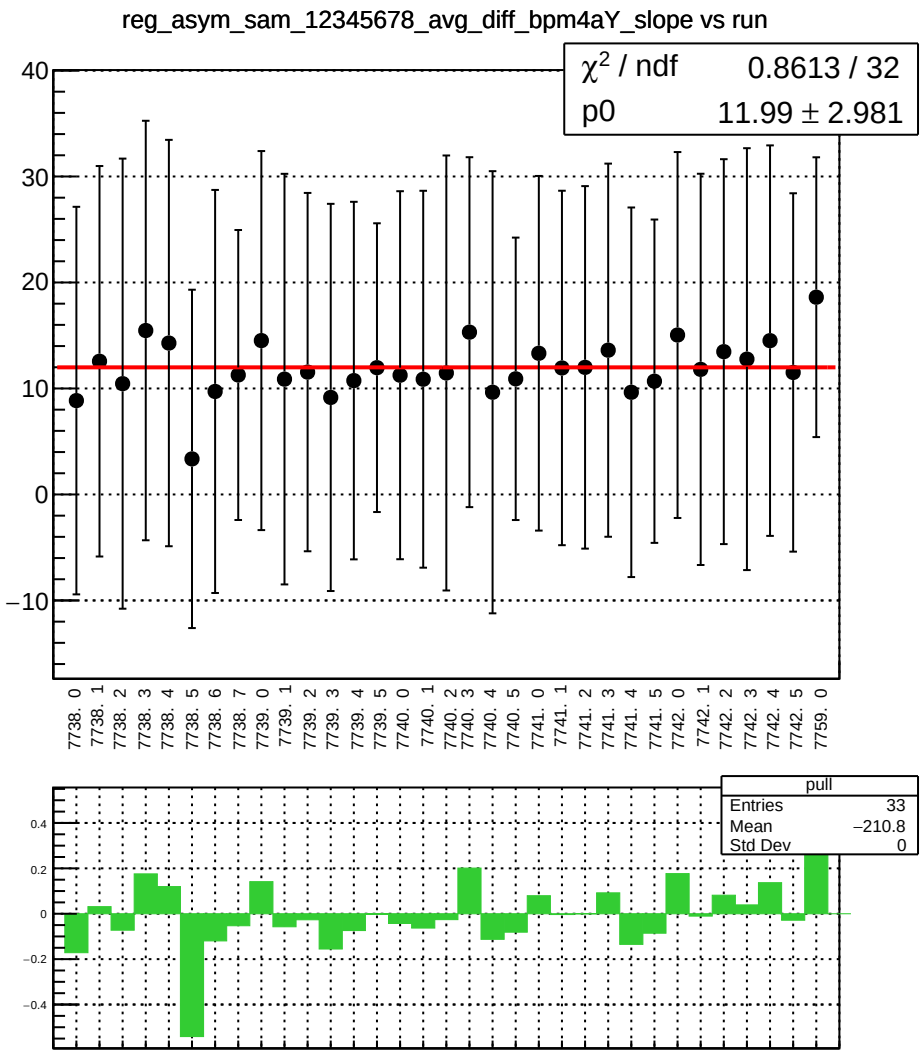

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.82 / 32
p0 20.64 ± 0.8334
30
25
20
15
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 30.32
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.2317
Std Dev 0.7597
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

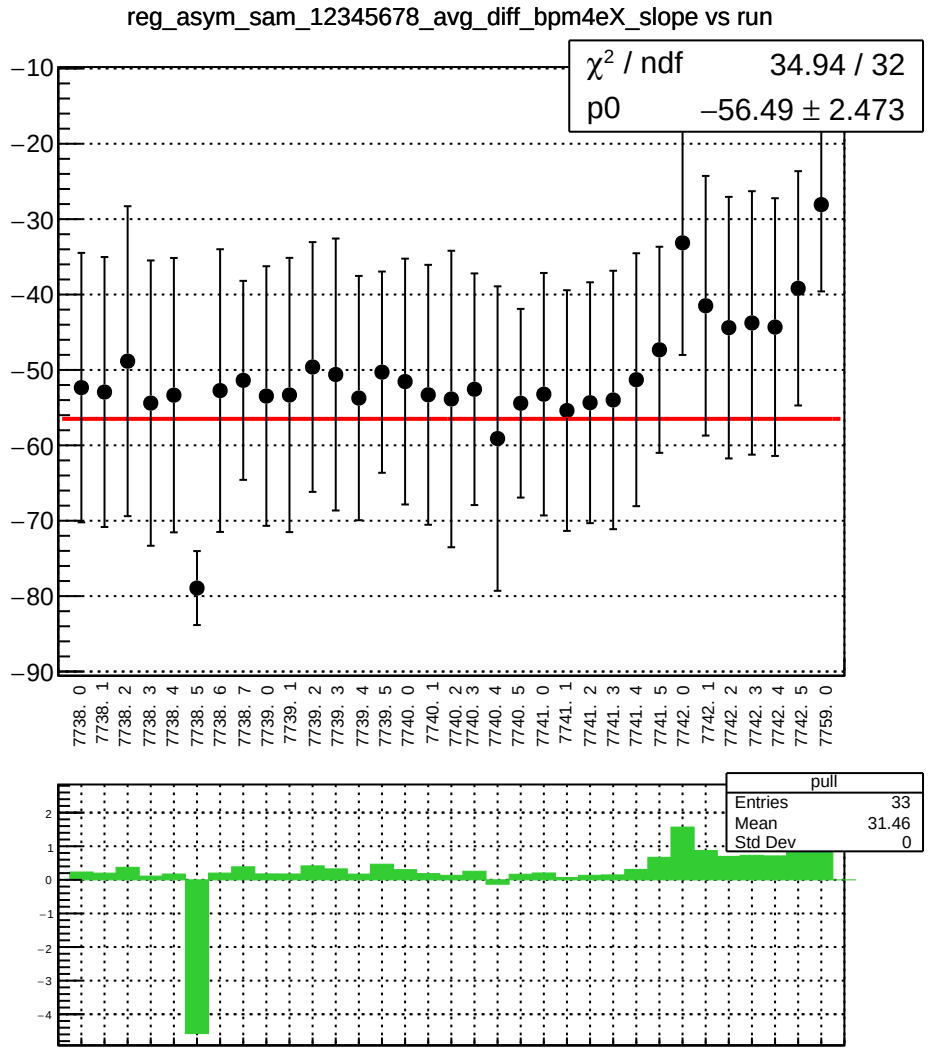

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.175 / 32
p0 −6.616 ± 1.819
5
0
−5
−10
−15
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −57.67
Std Dev 0
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2

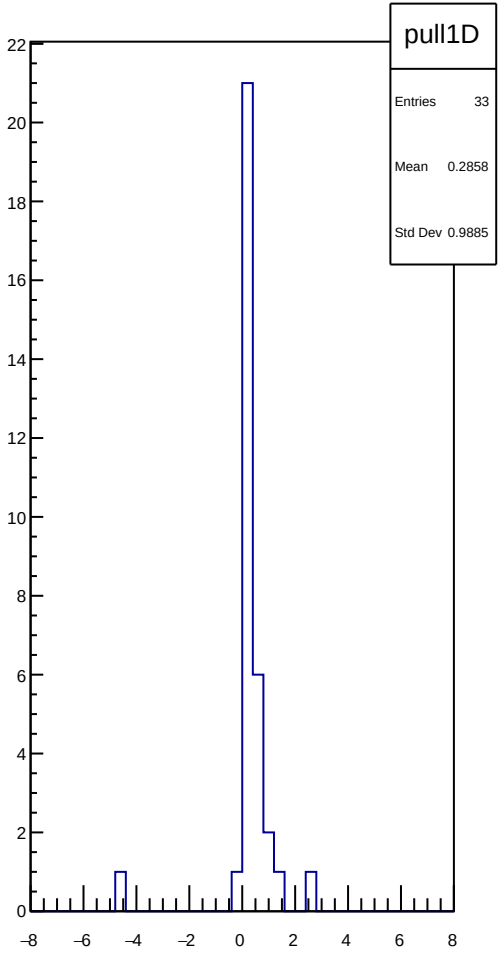

pull1D
Entries 33
Mean −0.004217
Std Dev 0.0727
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

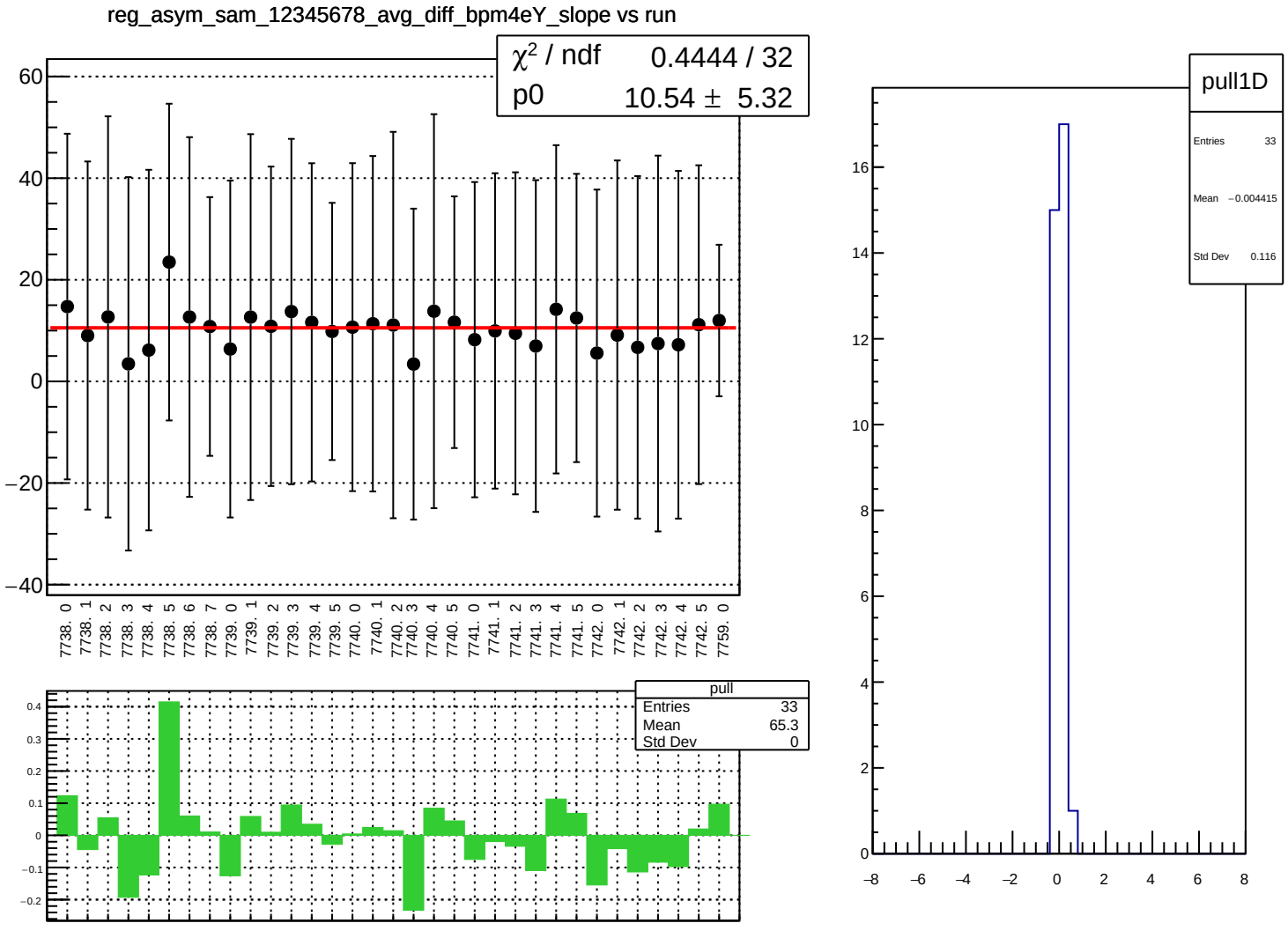

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 4.241 / 32
p0 0.2405 ± 0.05928
pull
Entries 33
Mean 29.25
Std Dev 0
pull1D
Entries 33
Mean 0.06088
Std Dev 0.3533

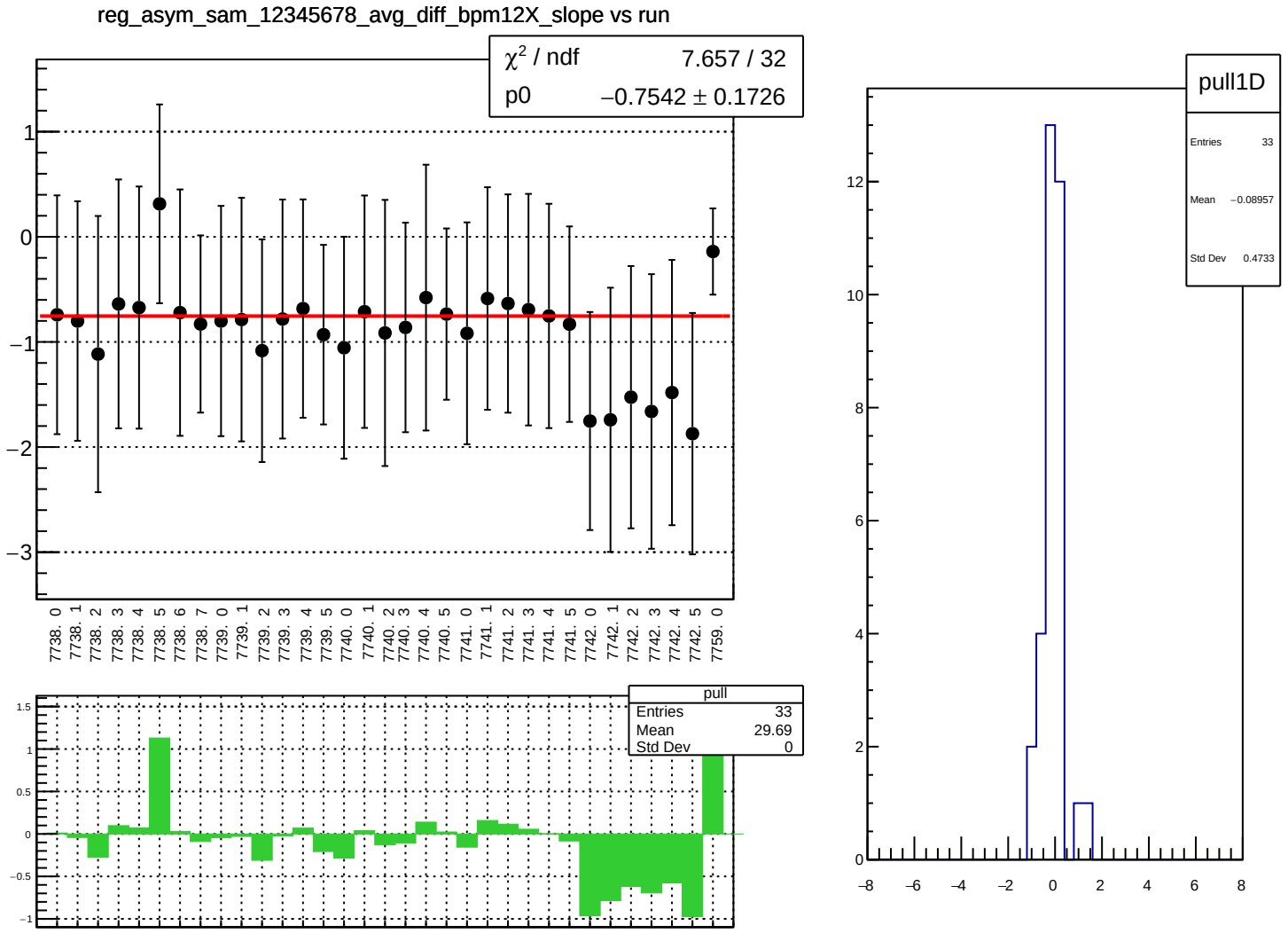

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 23.56 / 32
p0 −15.74 ± 2.514
10
0
−10
−20
−30
−40
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 30.83
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 33
Mean −0.2267
Std Dev 0.8139
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

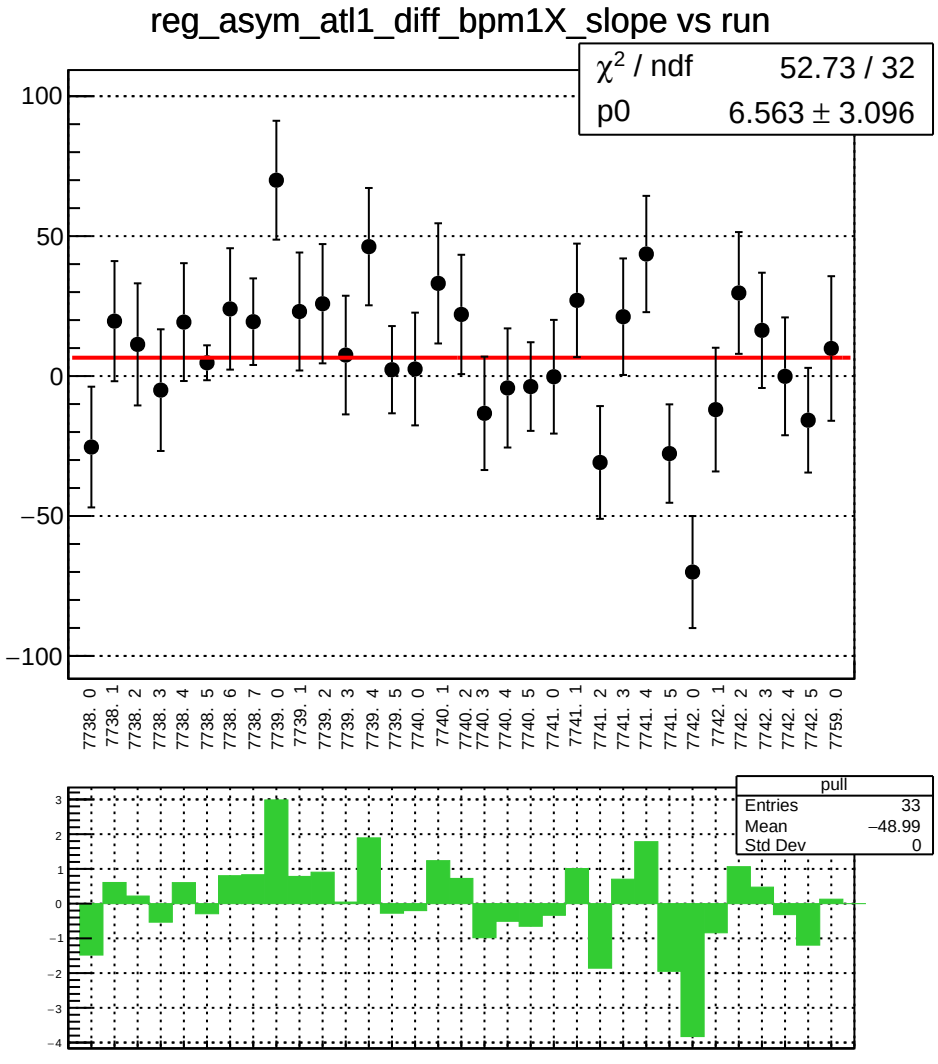

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.8613 / 32
p0 11.99 ± 2.981
40
30
20
10
0
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −210.8
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.002578
Std Dev 0.1615
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

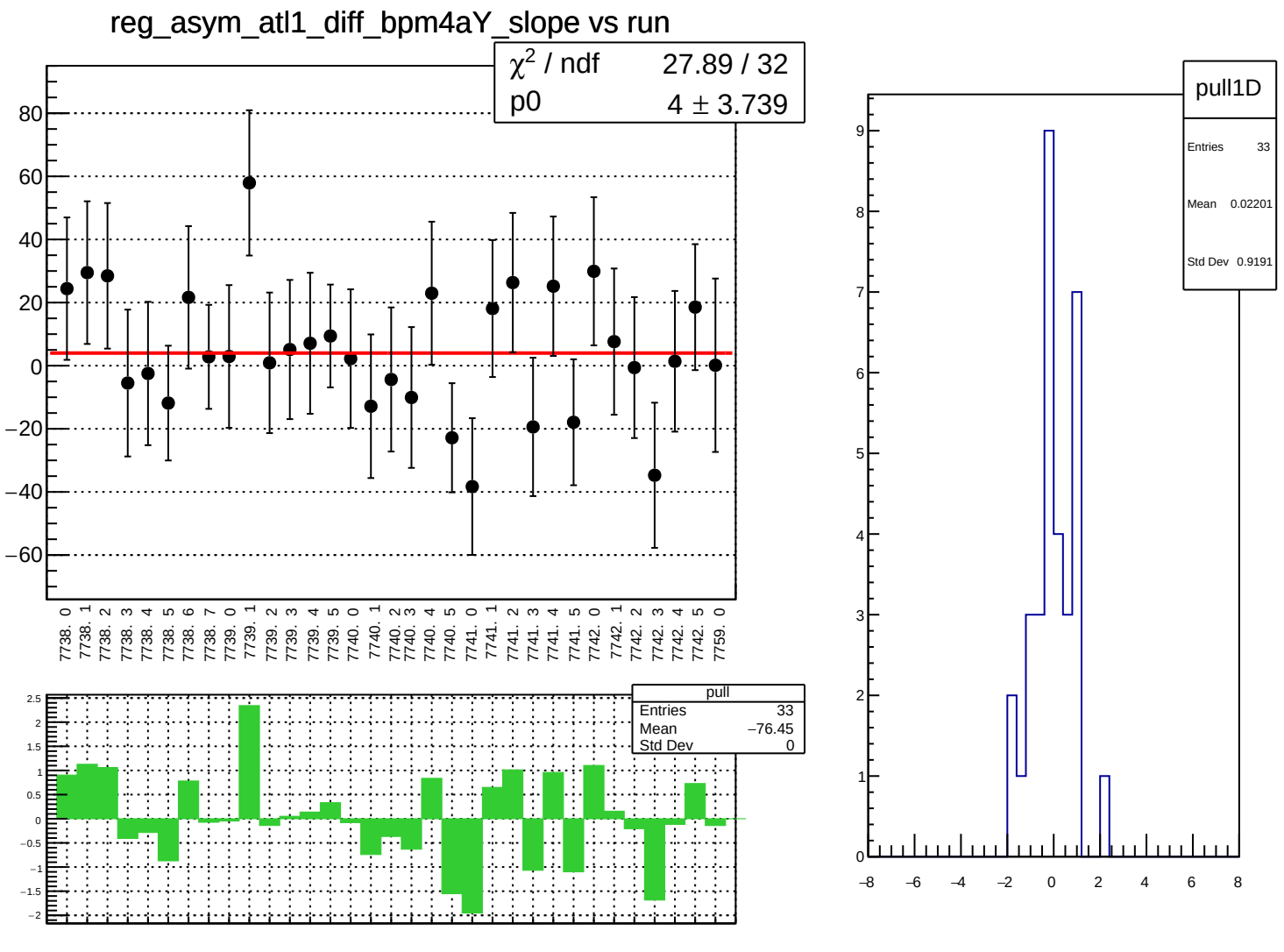

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.94 / 32
p0 −56.49 ± 2.473
−10
−20
−30
−40
−50
−60
−70
−80
−90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 31.46
Std Dev 0
2
1
0
−1
−2
−3
−4

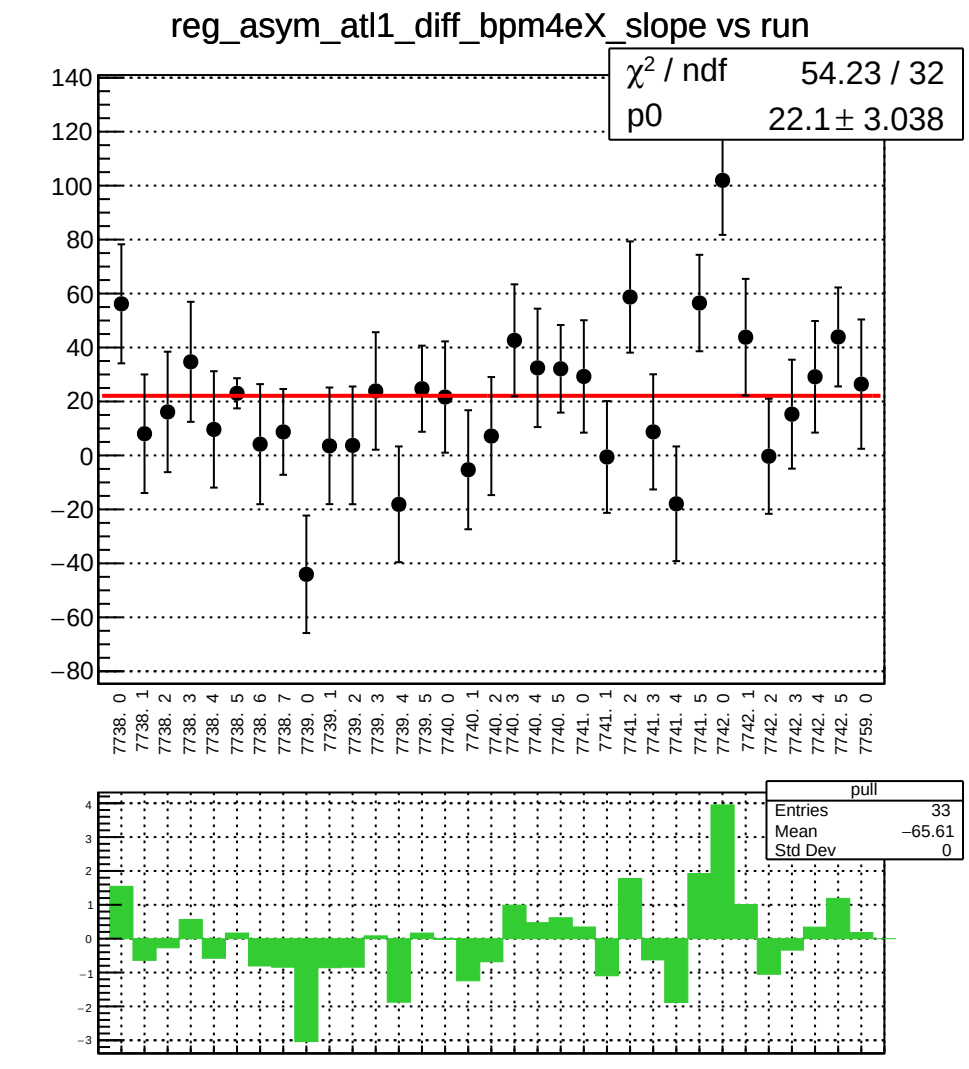

pull1D
Entries 33
Mean 0.2858
Std Dev 0.9885
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

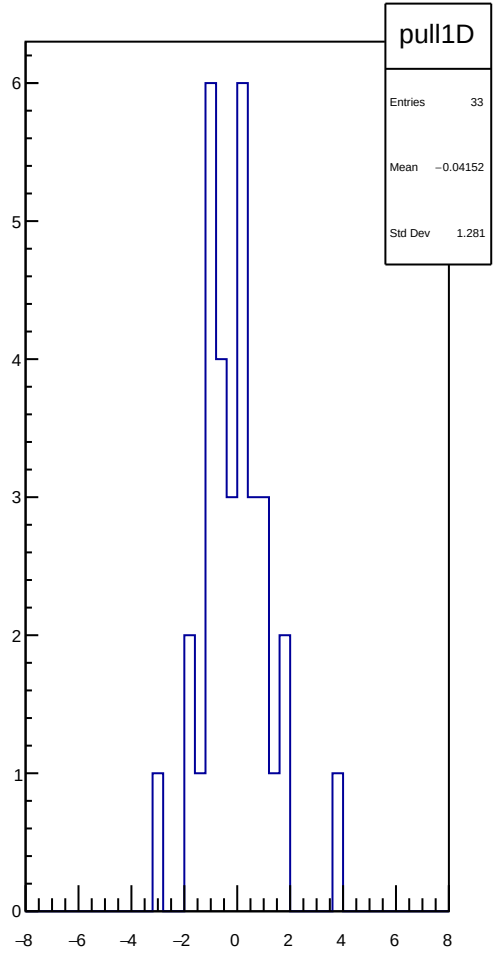

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.4444 / 32
p0 10.54 ± 5.32
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 65.3
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.004415
Std Dev 0.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

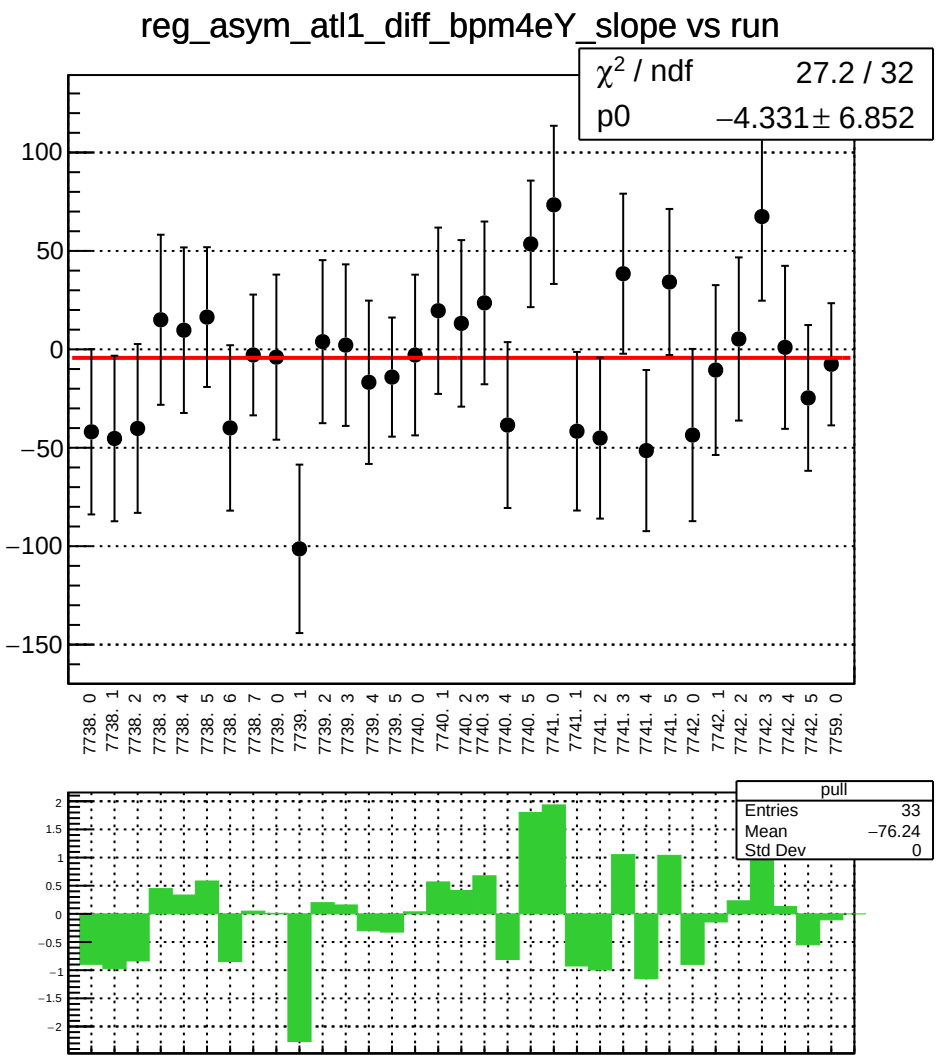

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 7.657 / 32
p0 −0.7542 ± 0.1726
pull
Entries 33
Mean 29.69
Std Dev 0
pull1D
Entries 33
Mean −0.08957
Std Dev 0.4733

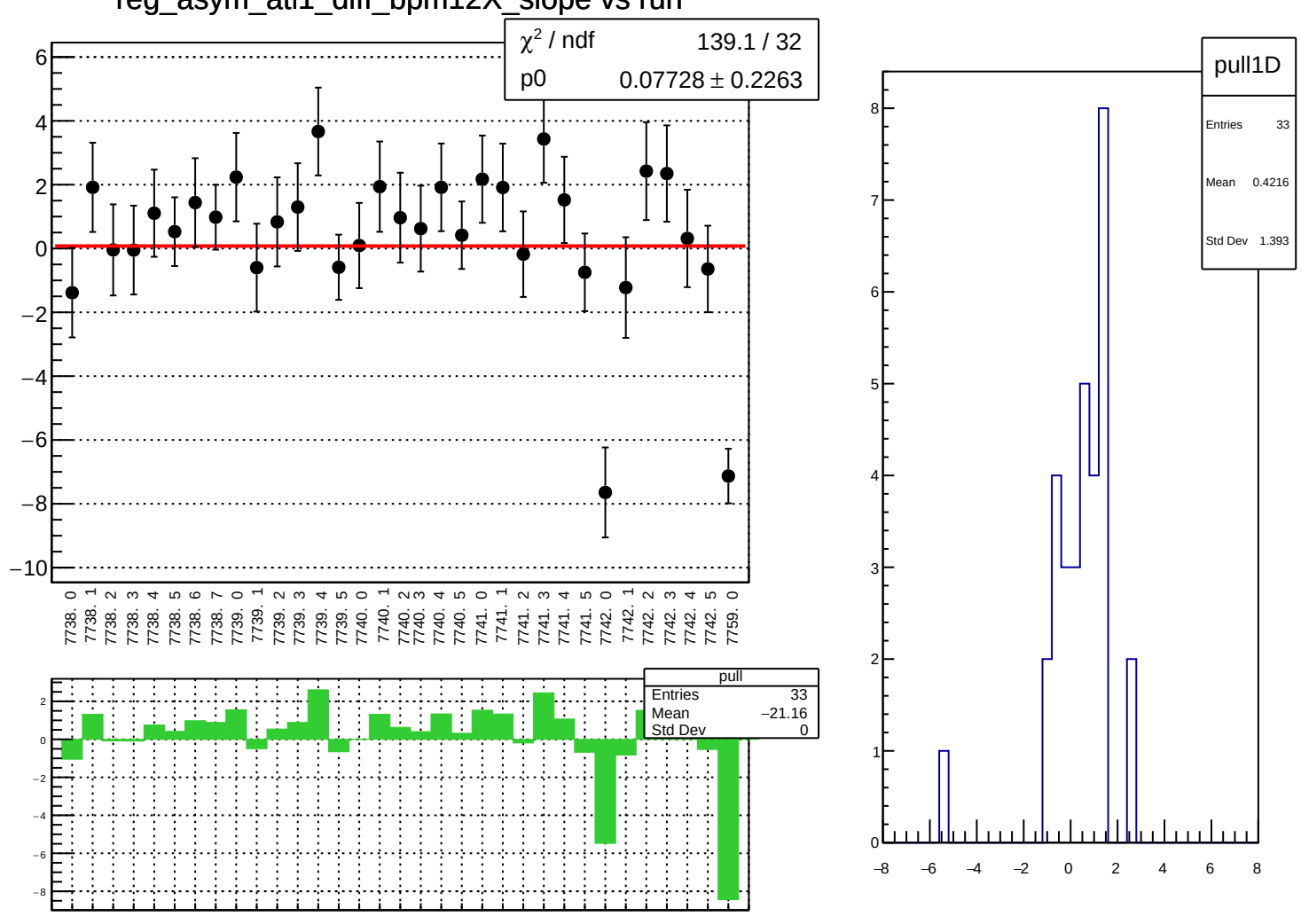

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 52.73 / 32
p0 6.563 ± 3.096
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.99
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 33
Mean 0.04736
Std Dev 1.263
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

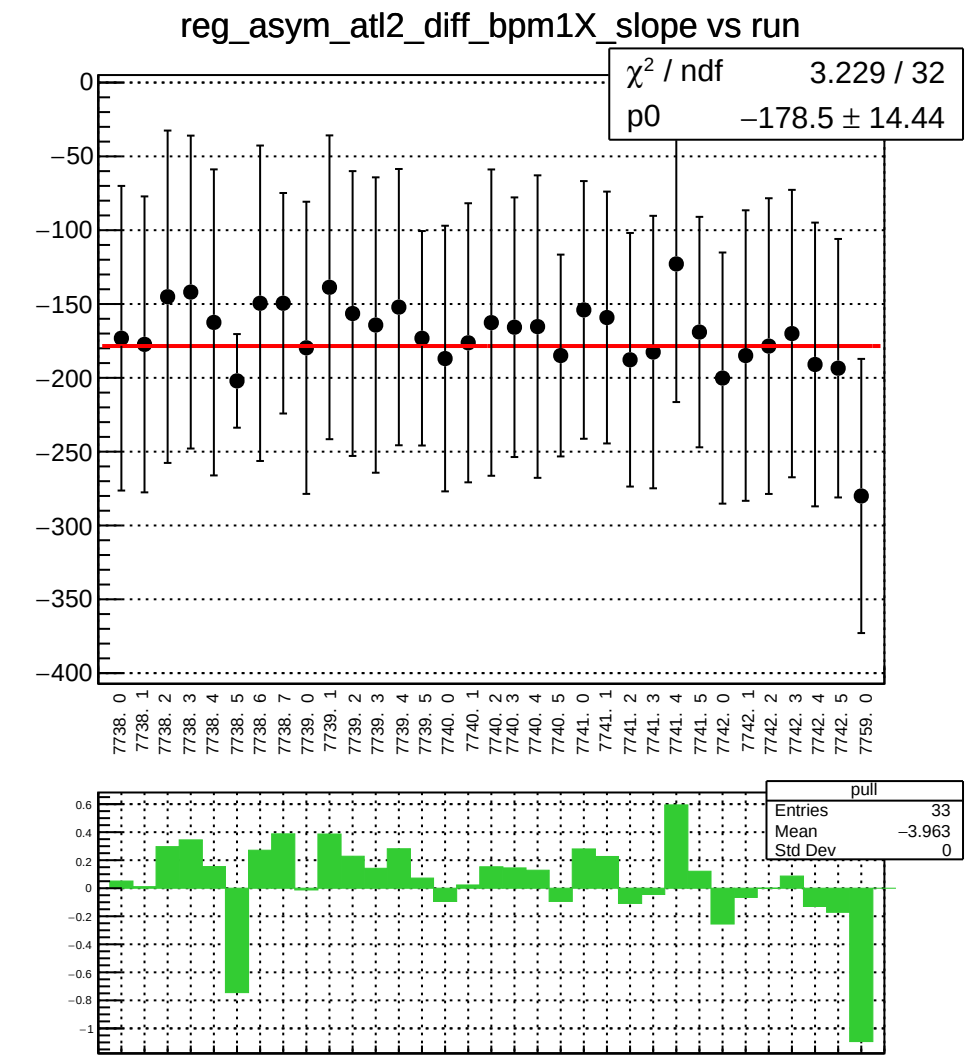

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 27.89 / 32
p0 4 ± 3.739
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −76.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.02201
Std Dev 0.9191
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

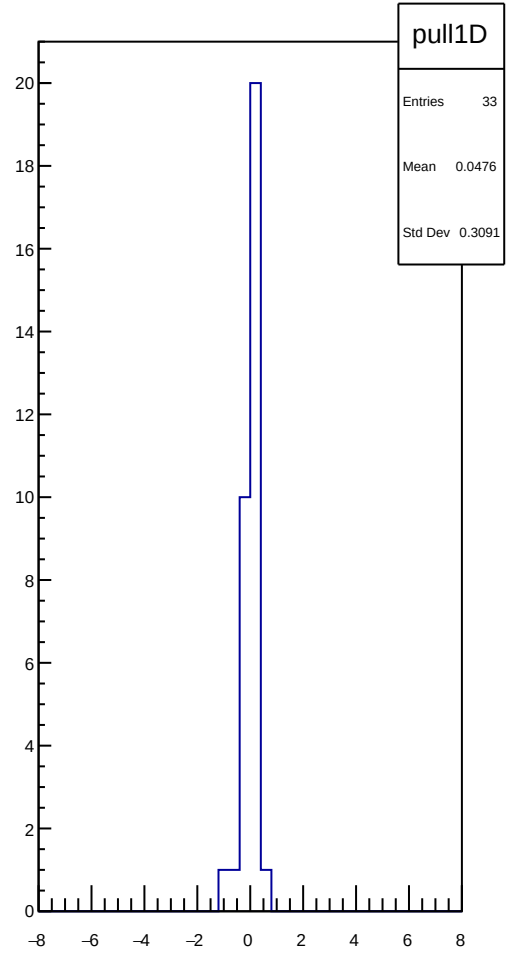

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 54.23 / 32
p0 22.1 ± 3.038
pull
Entries 33
Mean −65.61
Std Dev 0

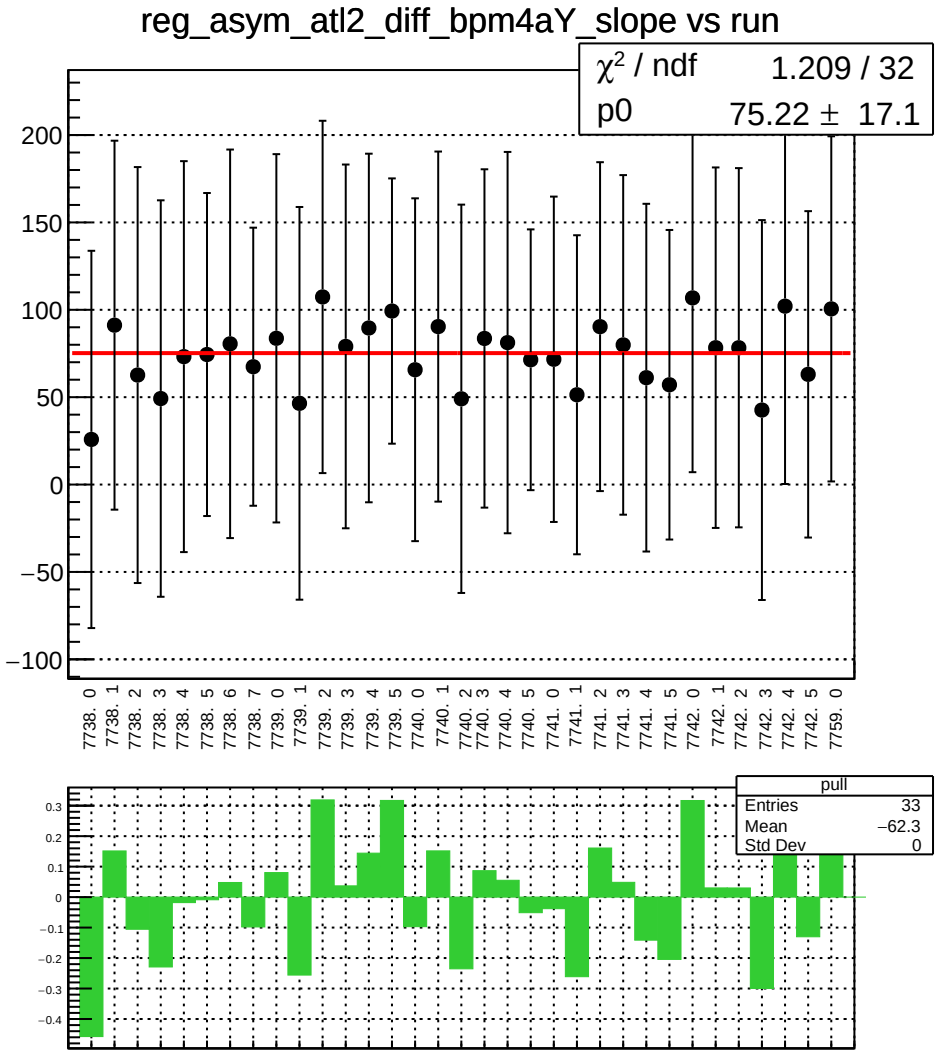

pull1D
Entries 33
Mean −0.04152
Std Dev 1.281

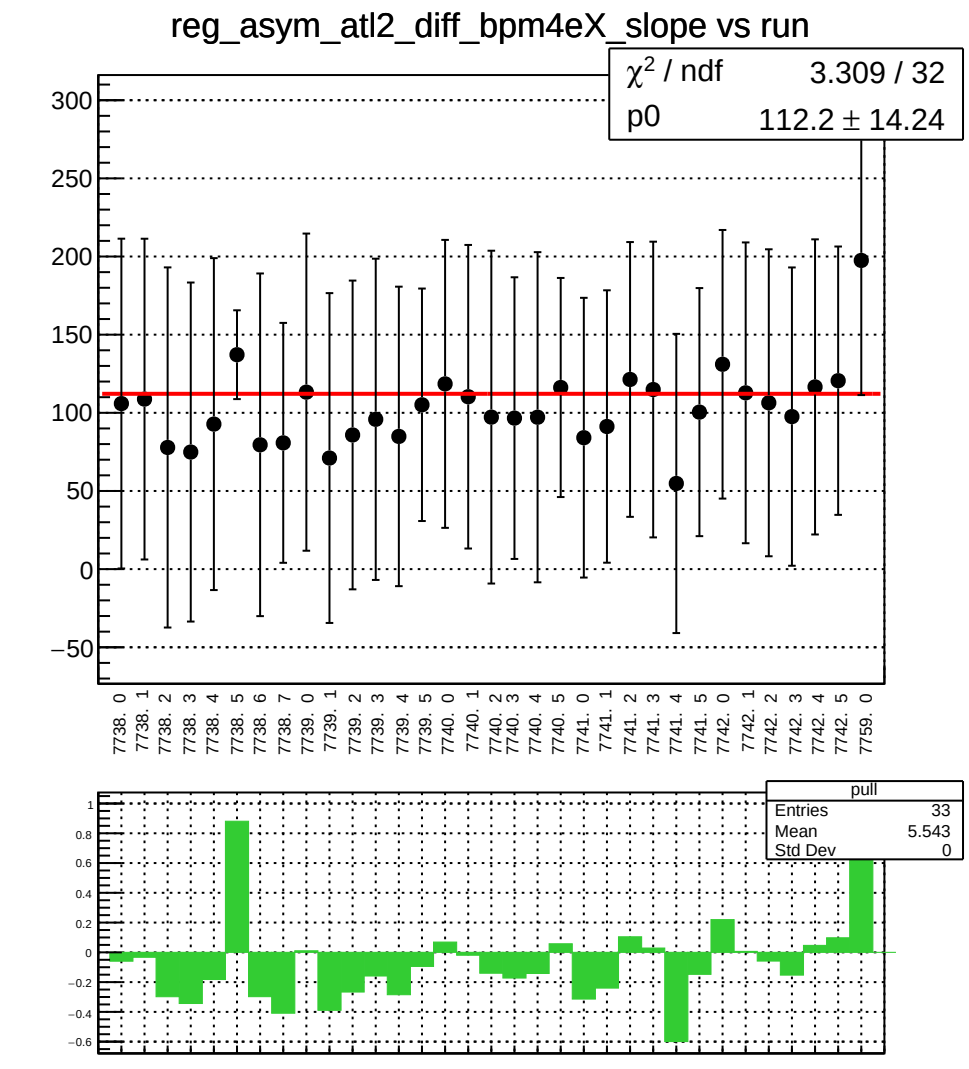

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 27.2 / 32
p0 −4.331 ± 6.852
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −76.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.02053
Std Dev 0.9077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

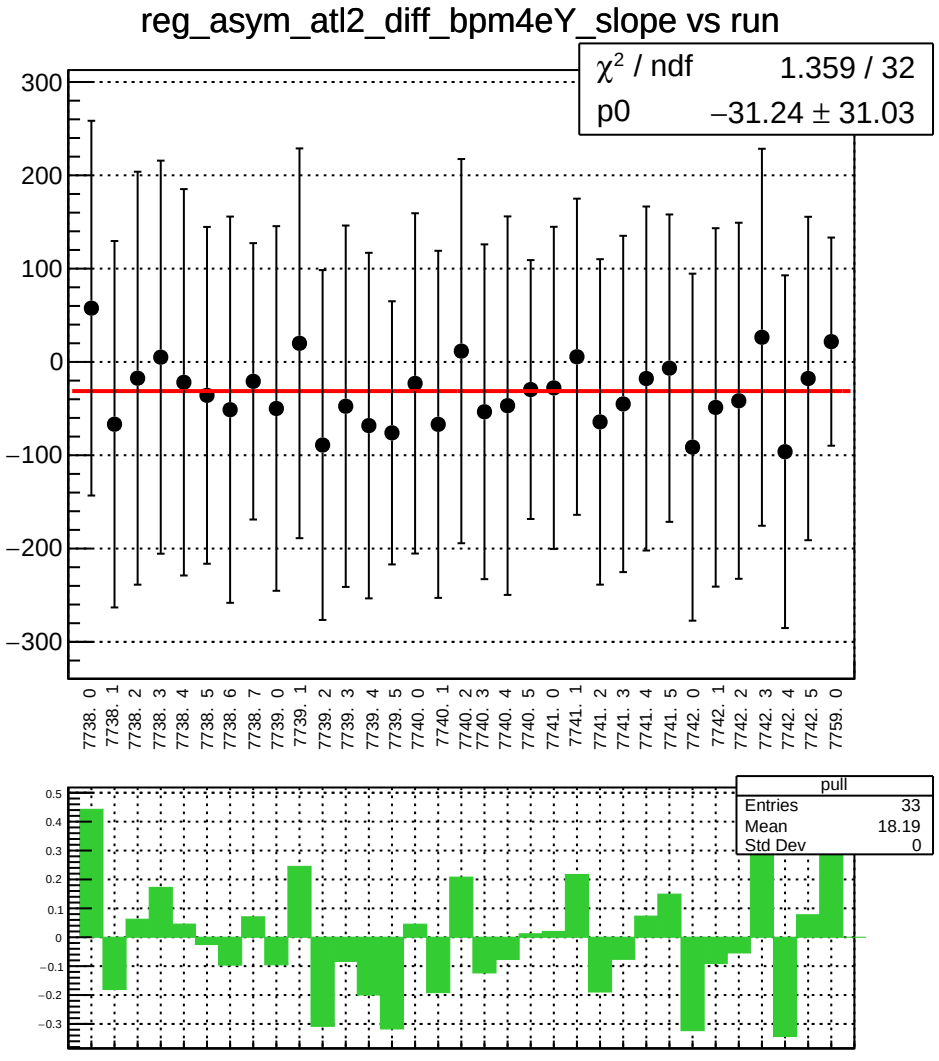

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 139.1 / 32
p0 0.07728 ± 0.2263
pull
Entries 33
Mean −21.16
Std Dev 0
pull1D
Entries 33
Mean 0.4216
Std Dev 1.393

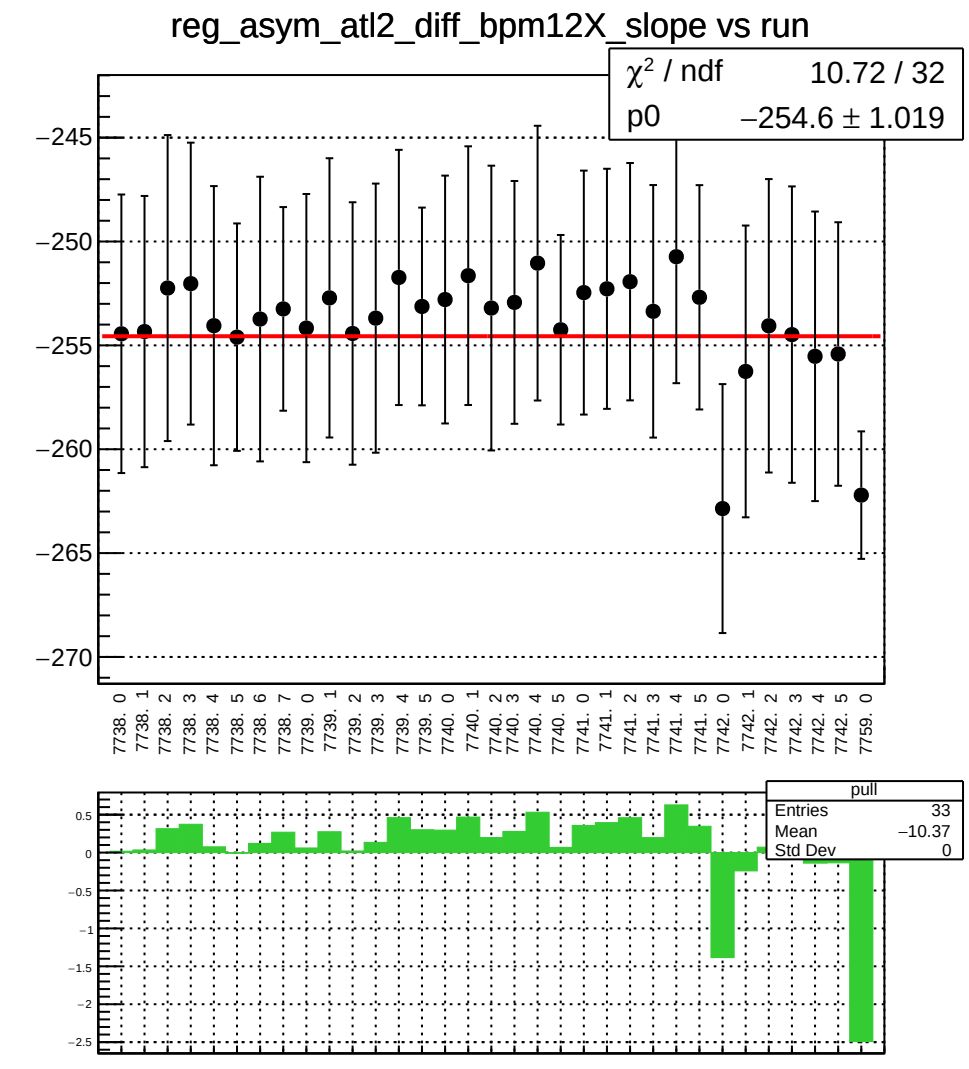

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 3.229 / 32
p0 −178.5 ± 14.44
pull
Entries 33
Mean −3.963
Std Dev 0

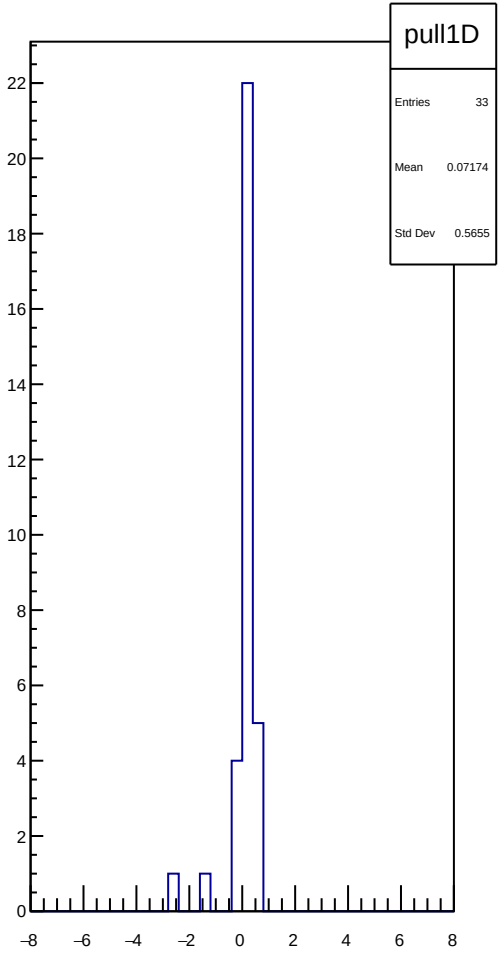

pull1D
Entries 33
Mean 0.0476
Std Dev 0.3091

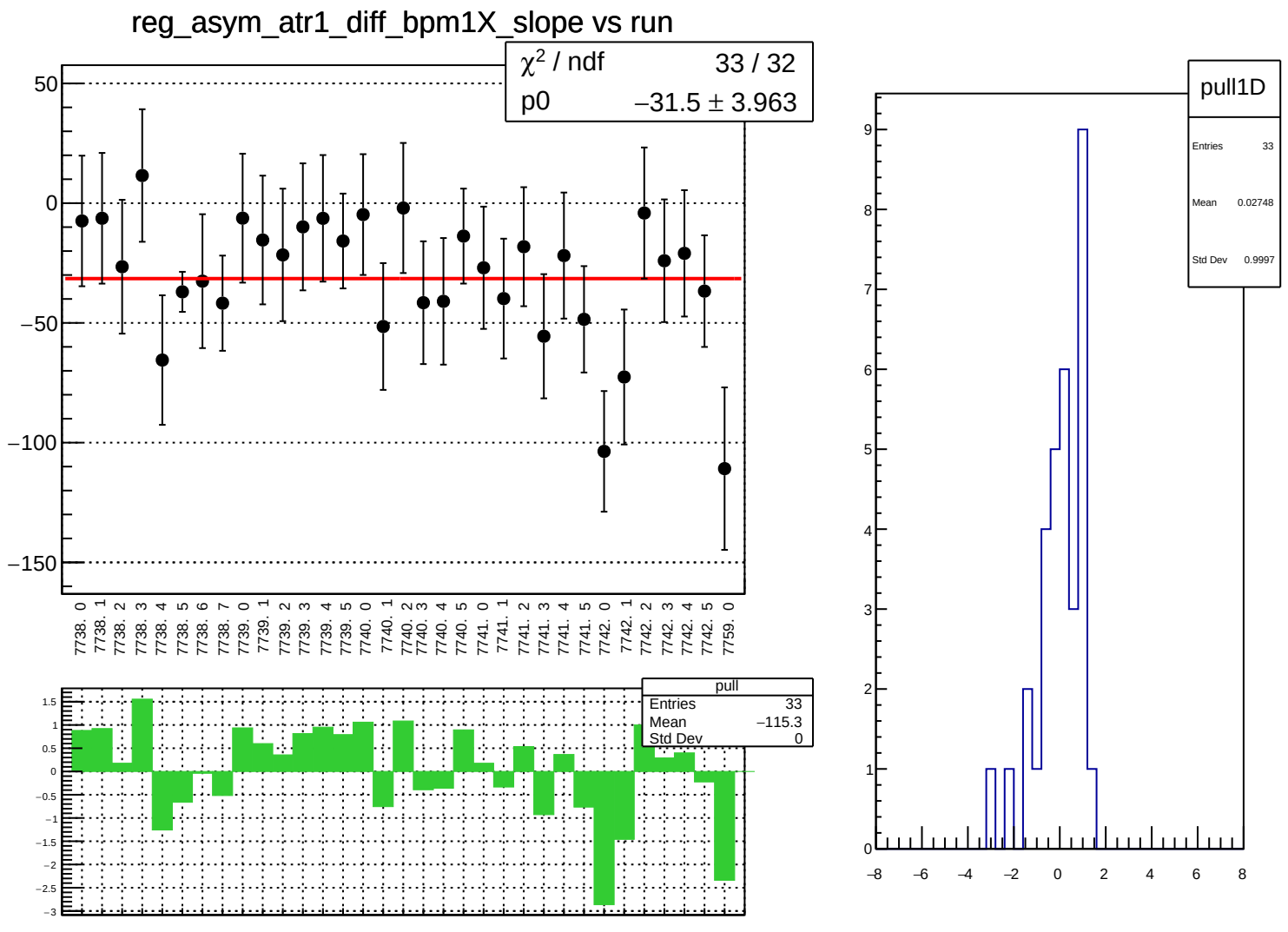

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 1.209 / 32
p0 75.22 ± 17.1
200
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −62.3
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean −0.004044
Std Dev 0.1914
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

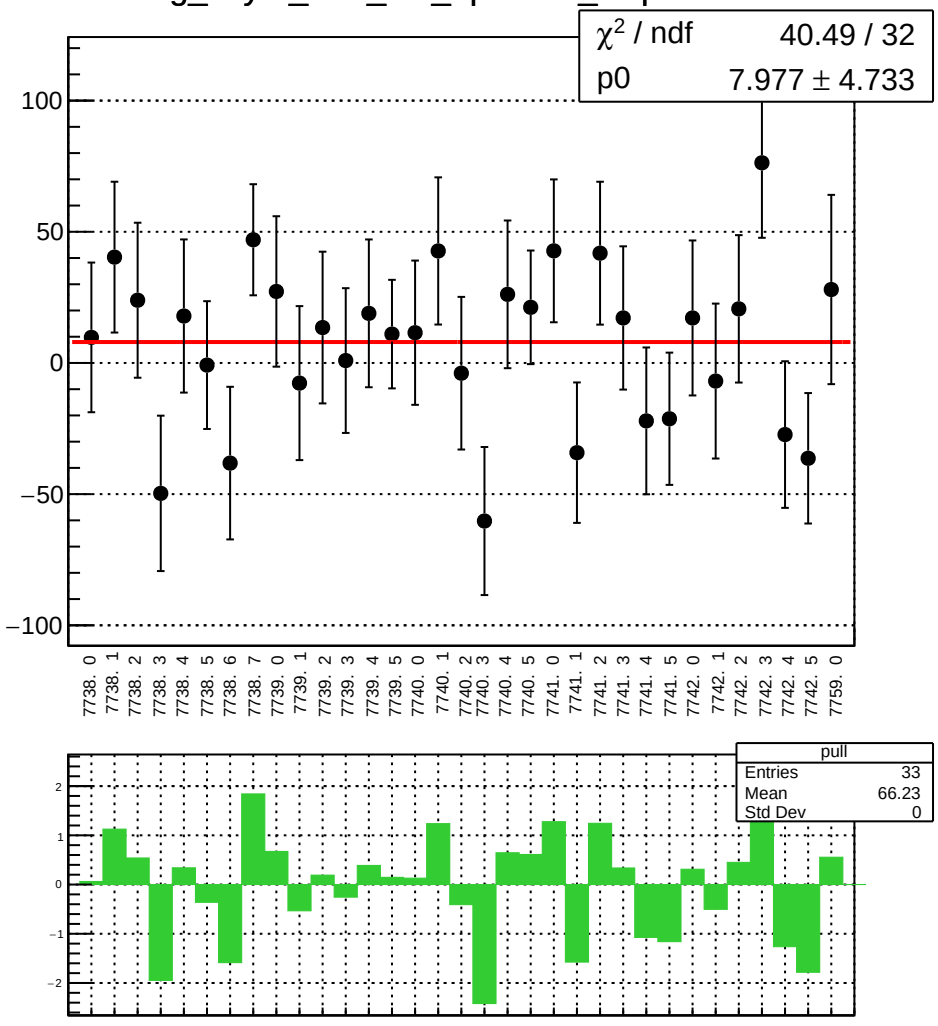

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 3.309 / 32
p0 112.2 ± 14.24
300
250
200
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 5.543
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.0694
Std Dev 0.309
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

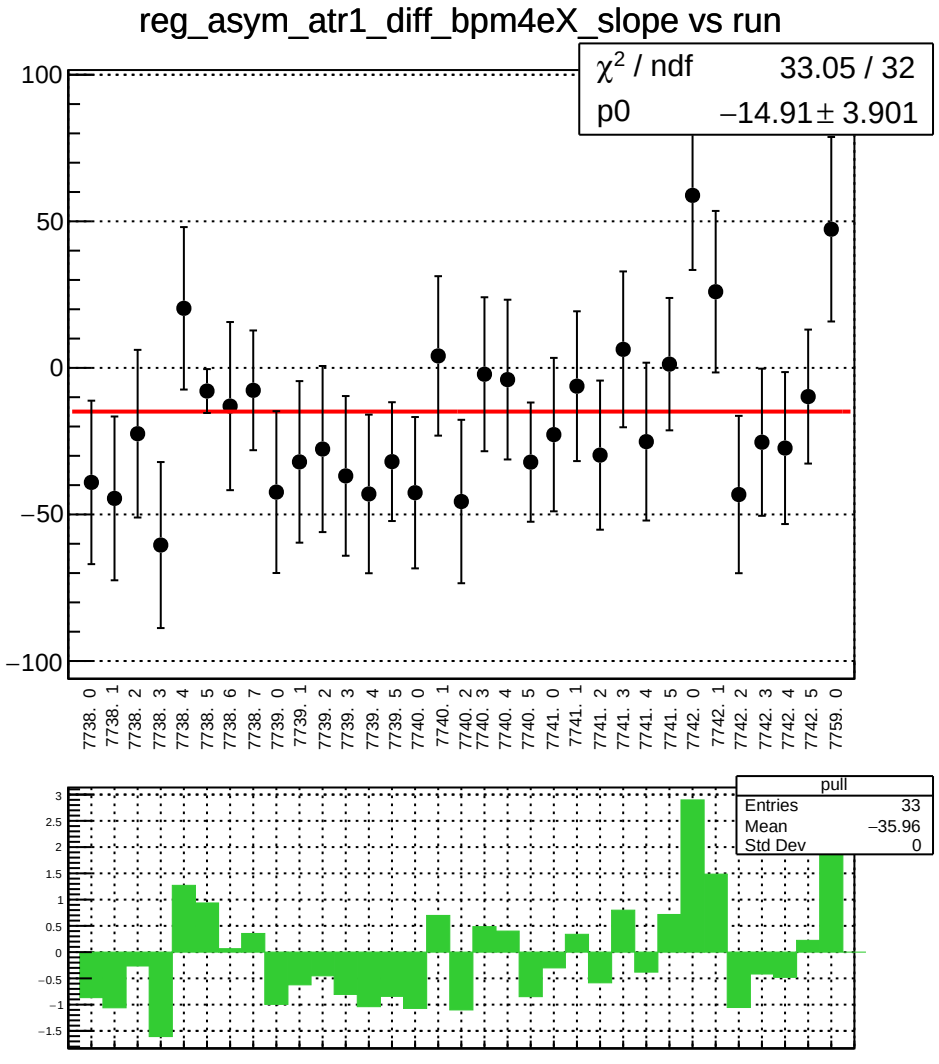

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 1.359 / 32
p0 −31.24 ± 31.03
300
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 18.19
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −0.005298
Std Dev 0.2028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

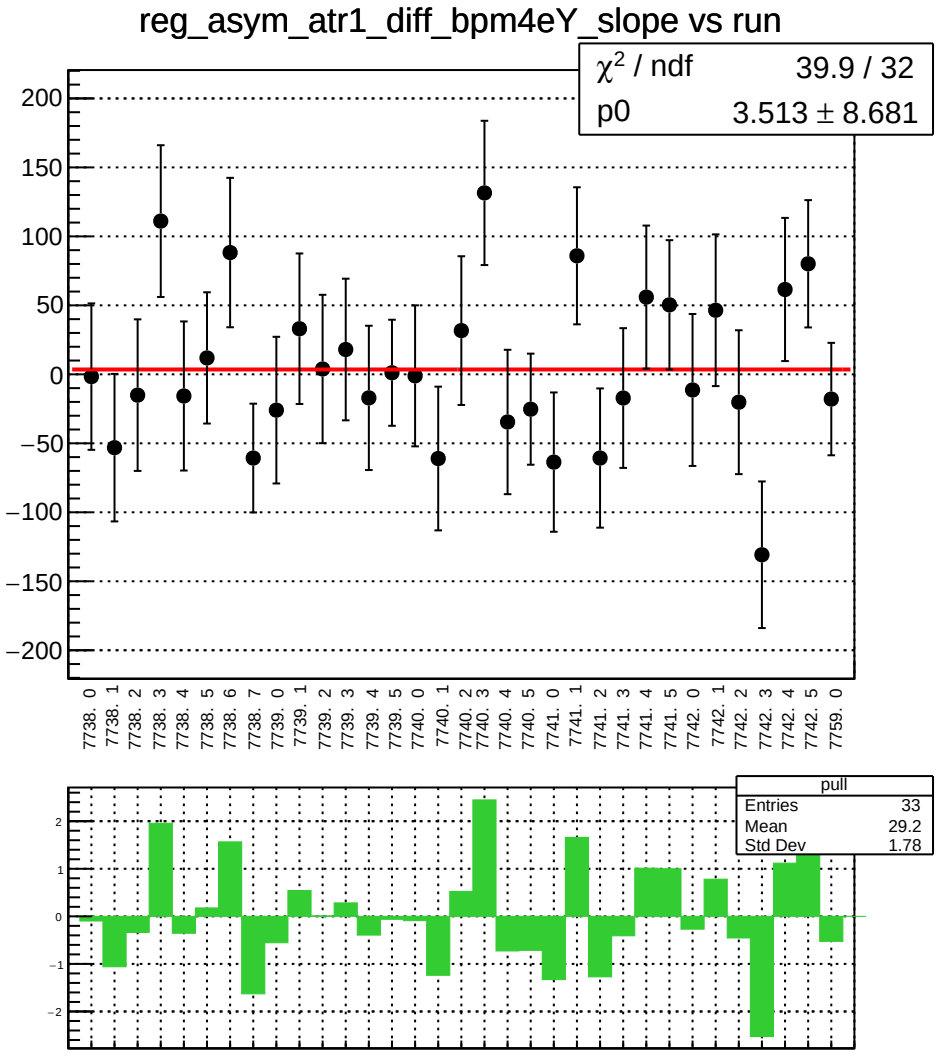

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 10.72 / 32
p0 −254.6 ± 1.019
−245
−250
−255
−260
−265
−270
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.37
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5

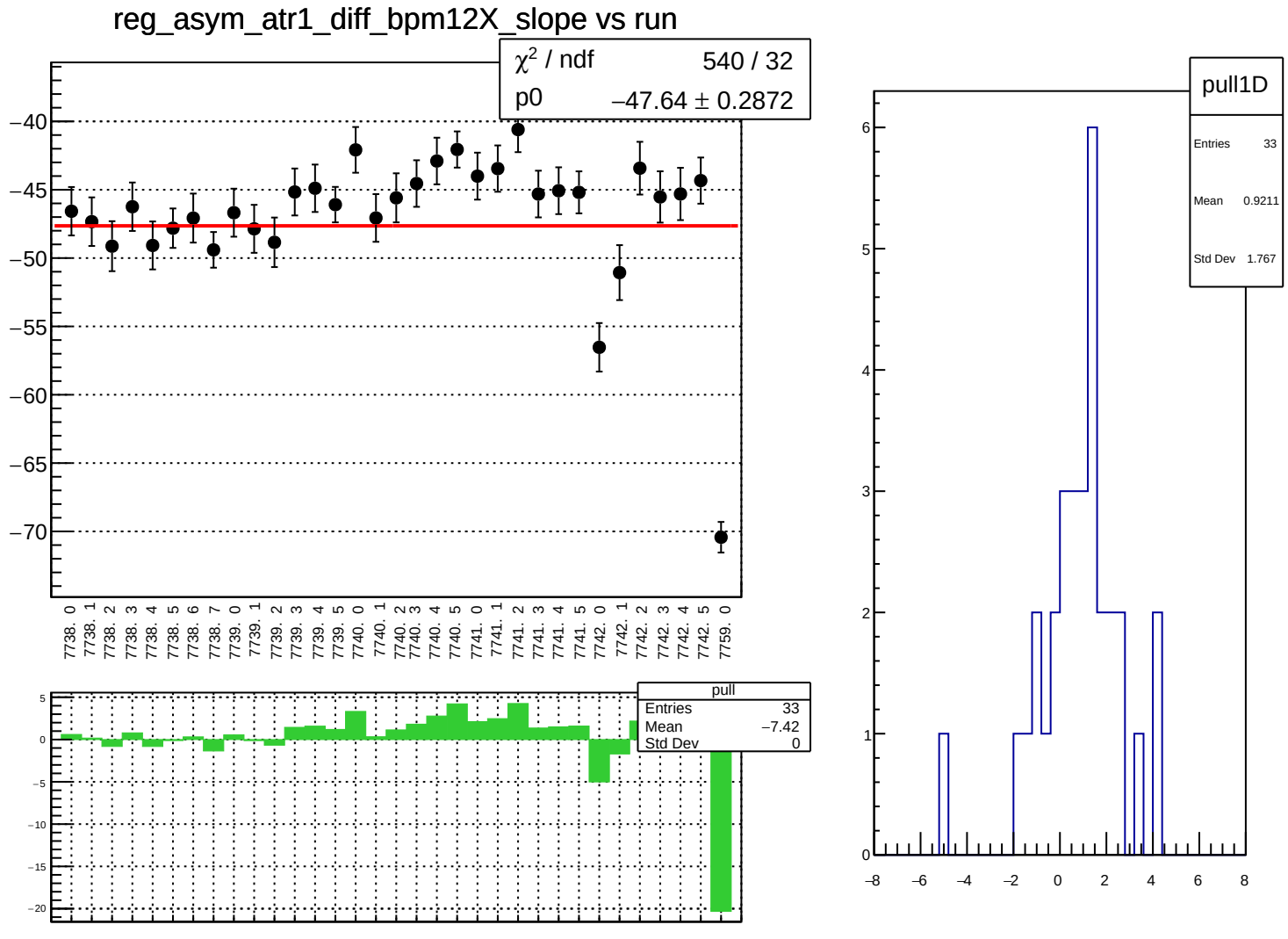

pull1D
Entries 33
Mean 0.07174
Std Dev 0.5655
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

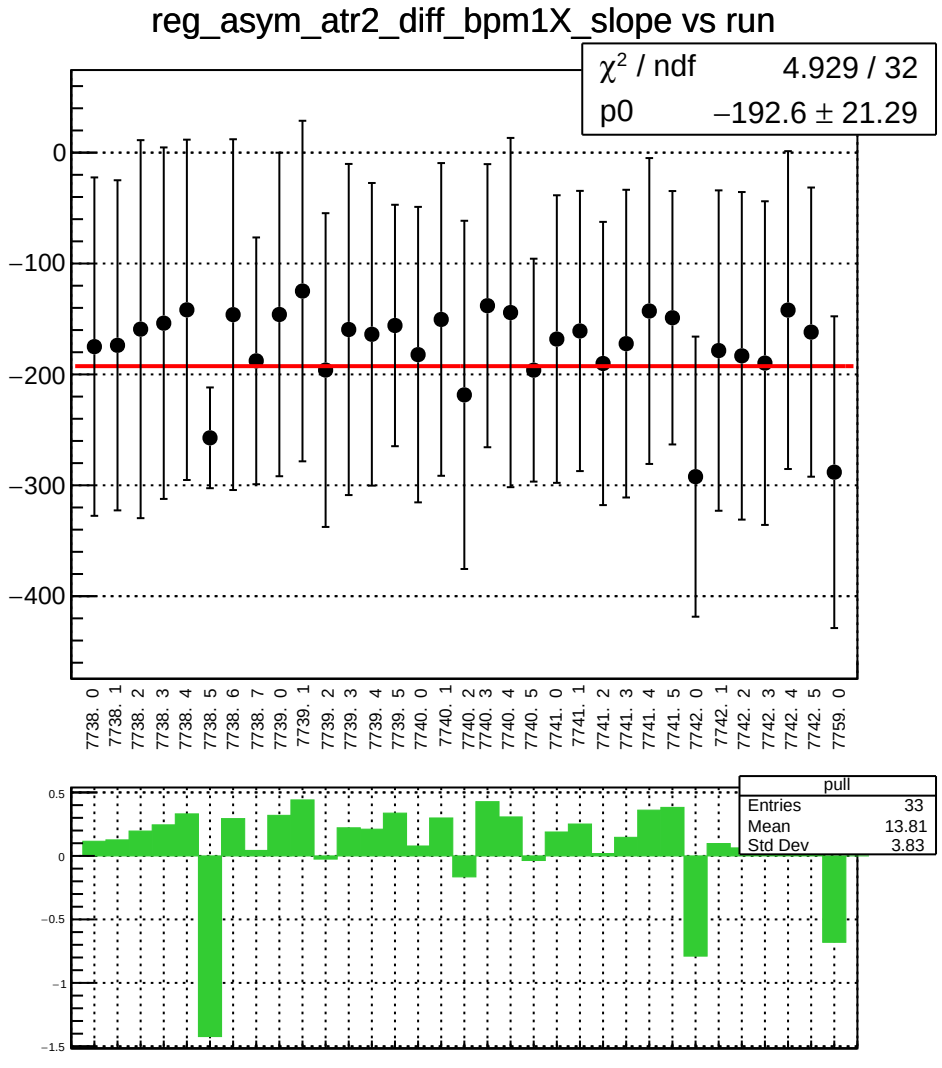

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 33 / 32
p0 −31.5 ± 3.963
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −115.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 33
Mean 0.02748
Std Dev 0.9997
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

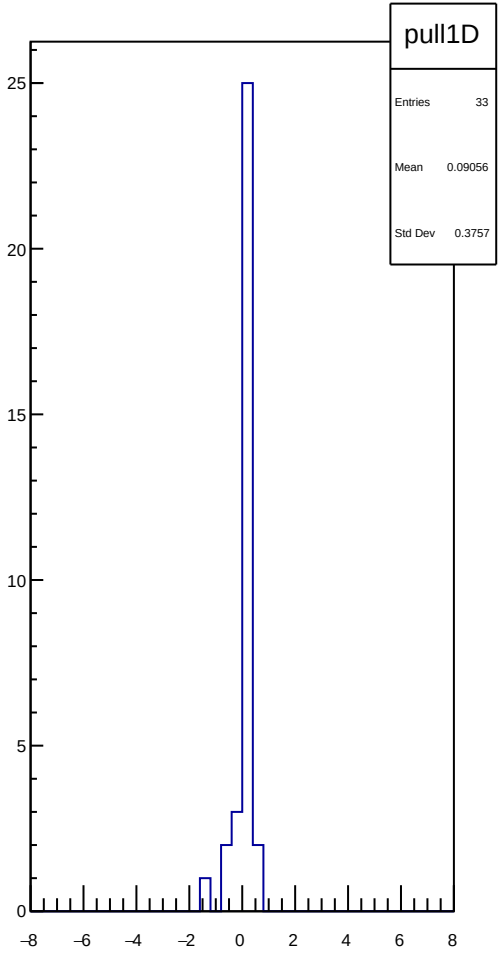

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 40.49 / 32
p0 7.977 ± 4.733
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 66.23
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0114
Std Dev 1.108
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

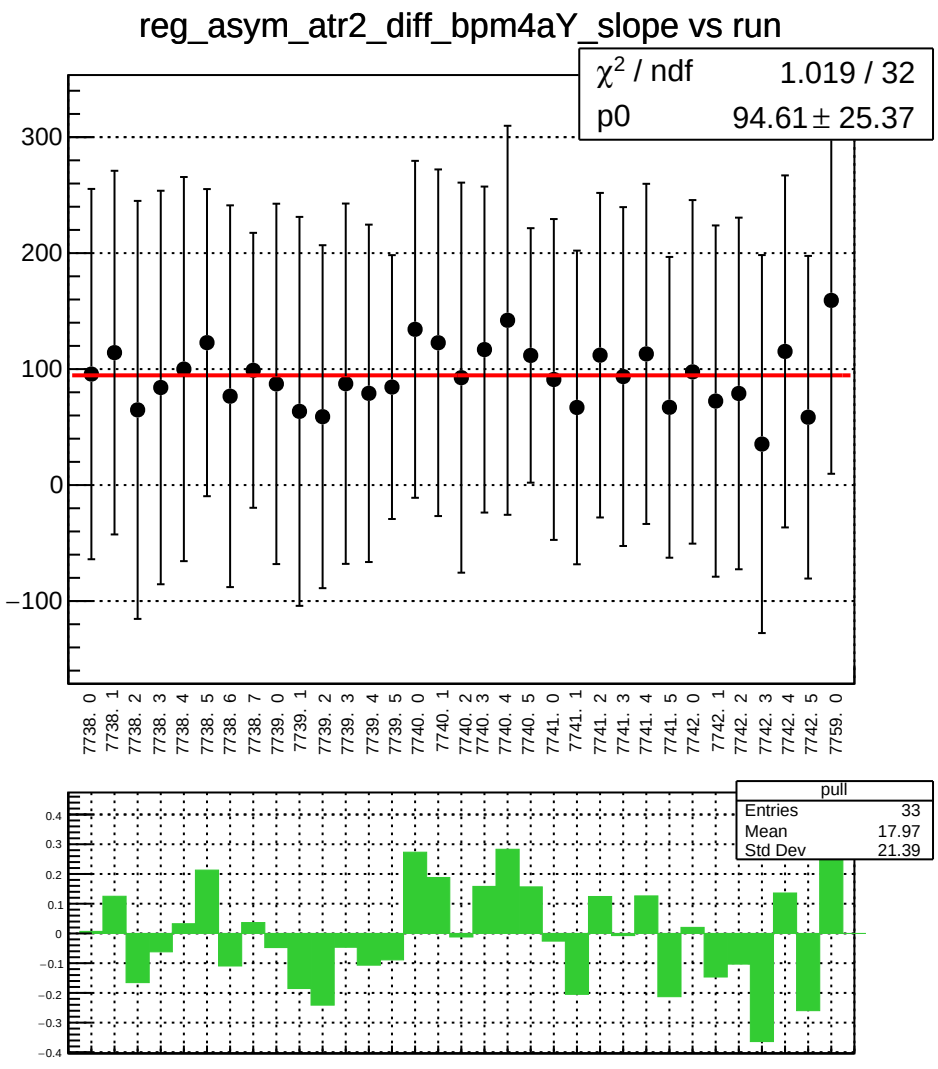

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 33.05 / 32
p0 −14.91 ± 3.901
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −35.96
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.06491
Std Dev 0.9987
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

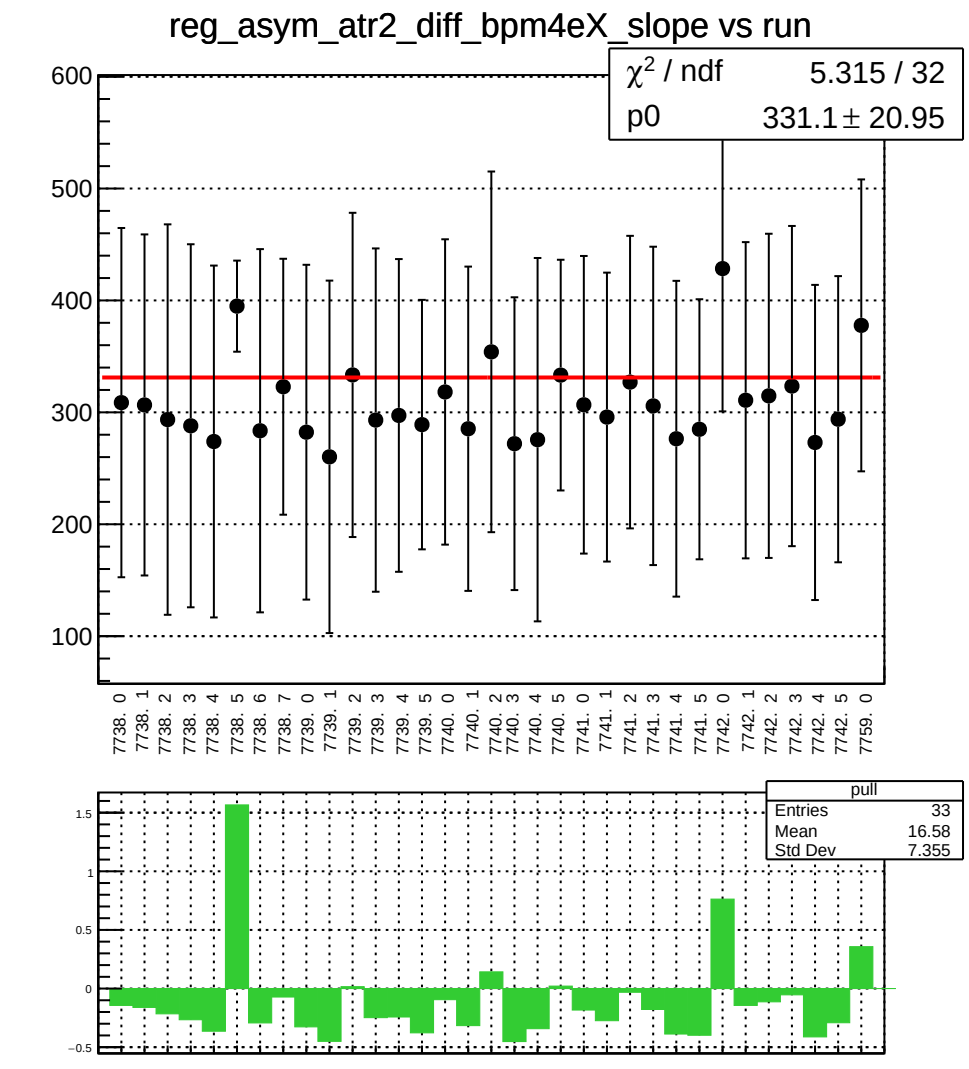

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 39.9 / 32
p0 3.513 ± 8.681
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.2
Std Dev 1.78
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.02058
Std Dev 1.099
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

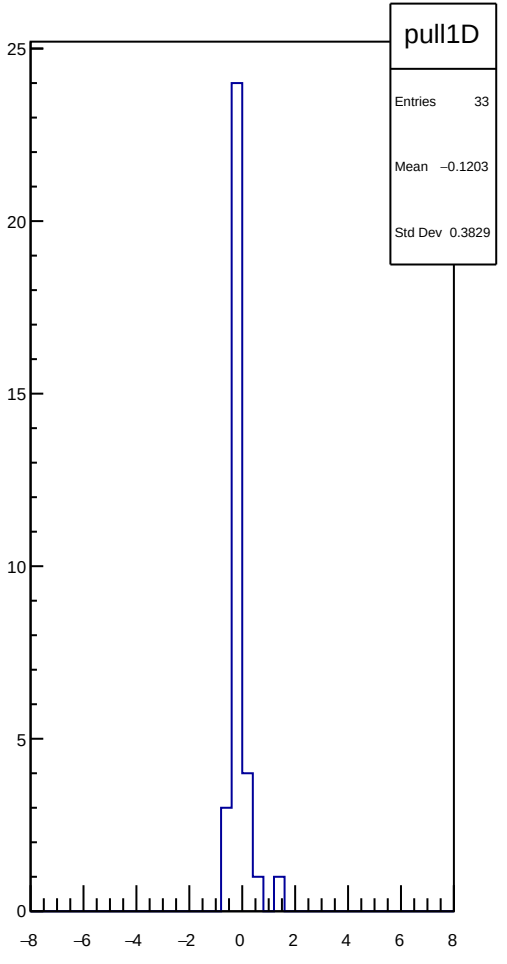

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 540 / 32
p0 −47.64 ± 0.2872
−40
−45
−50
−55
−60
−65
−70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.42
Std Dev 0
5
0
−5
−10
−15
−20
pull1D
Entries 33
Mean 0.9211
Std Dev 1.767
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

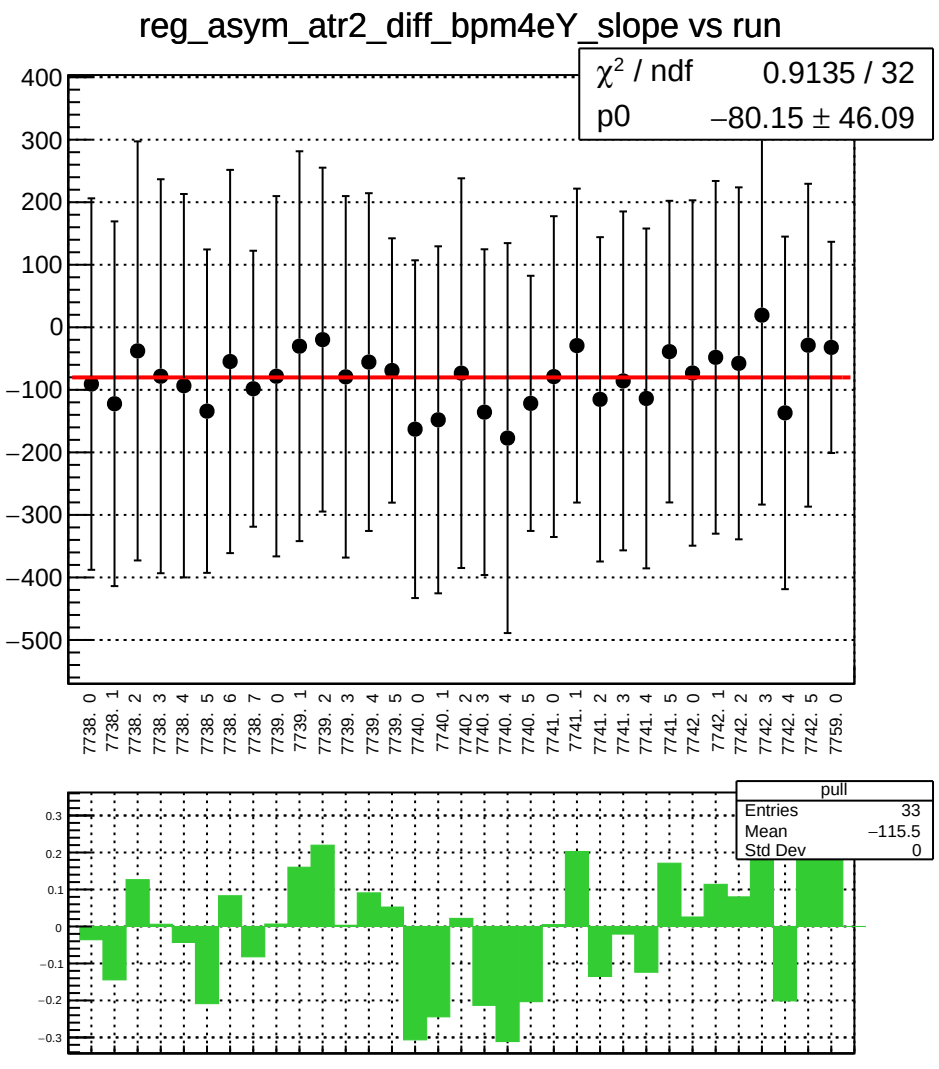

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 4.929 / 32
p0 −192.6 ± 21.29
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.81
Std Dev 3.83
0.5
0
−0.5
−1
−1.5

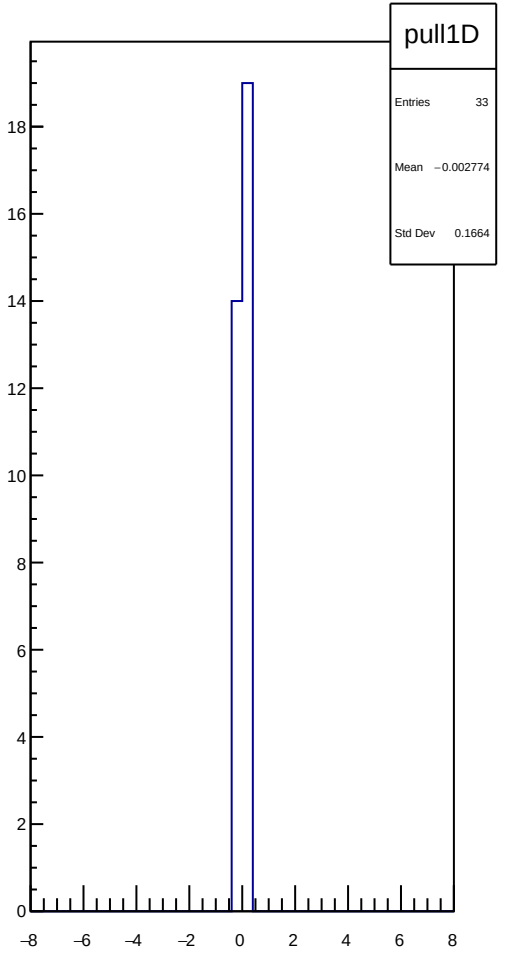

pull1D
Entries 33
Mean 0.09056
Std Dev 0.3757
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

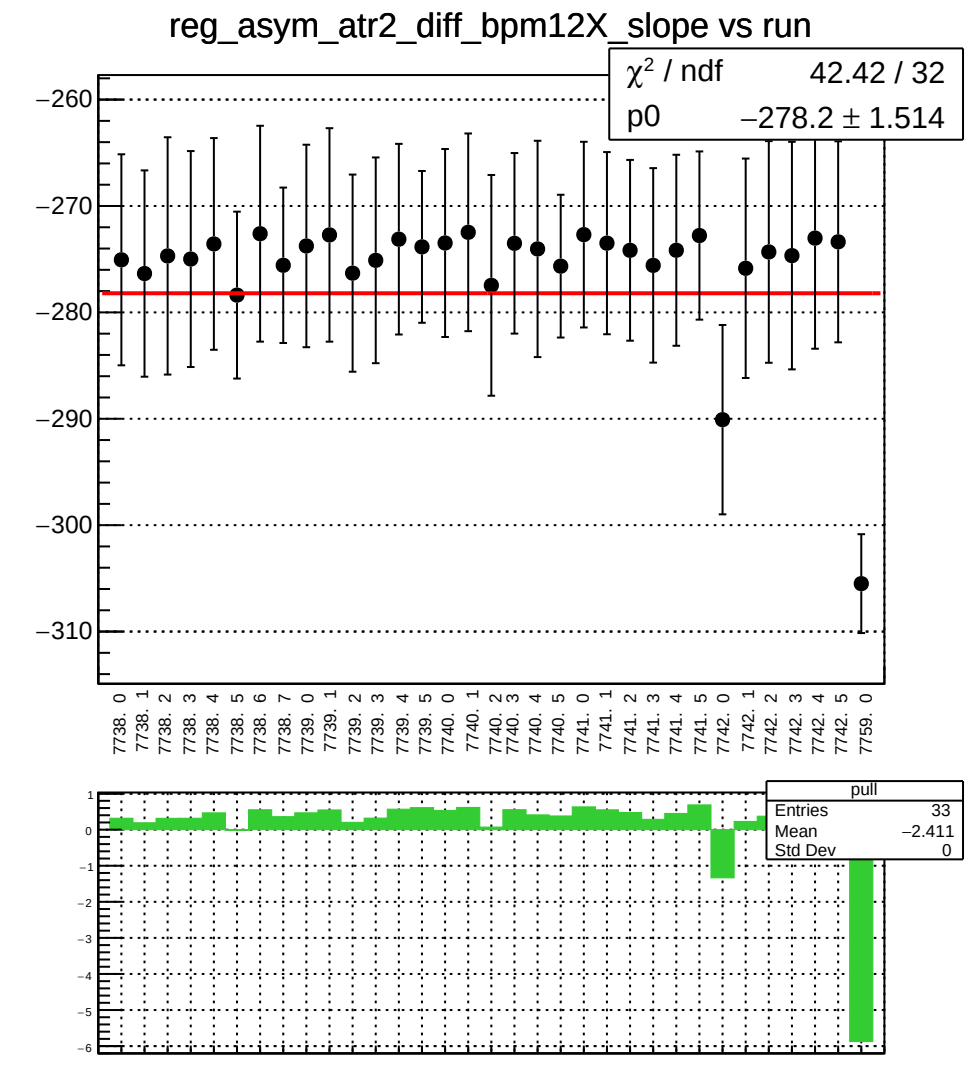

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 1.019 / 32
p0 94.61 ± 25.37
300
200
100
0
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 17.97
Std Dev 21.39
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean −0.002282
Std Dev 0.1757
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

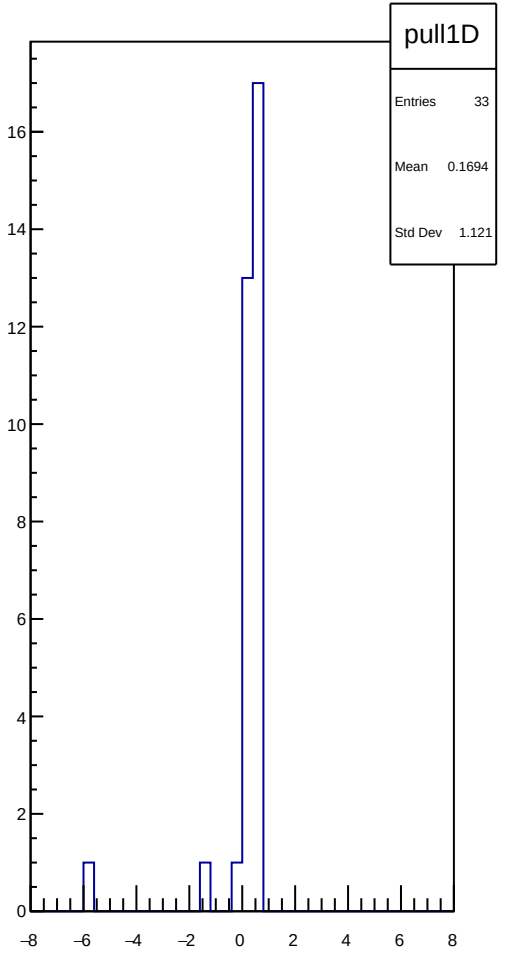

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 5.315 / 32
p0 331.1 ± 20.95
600
500
400
300
200
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.58
Std Dev 7.355
1.5
1
0.5
0
−0.5

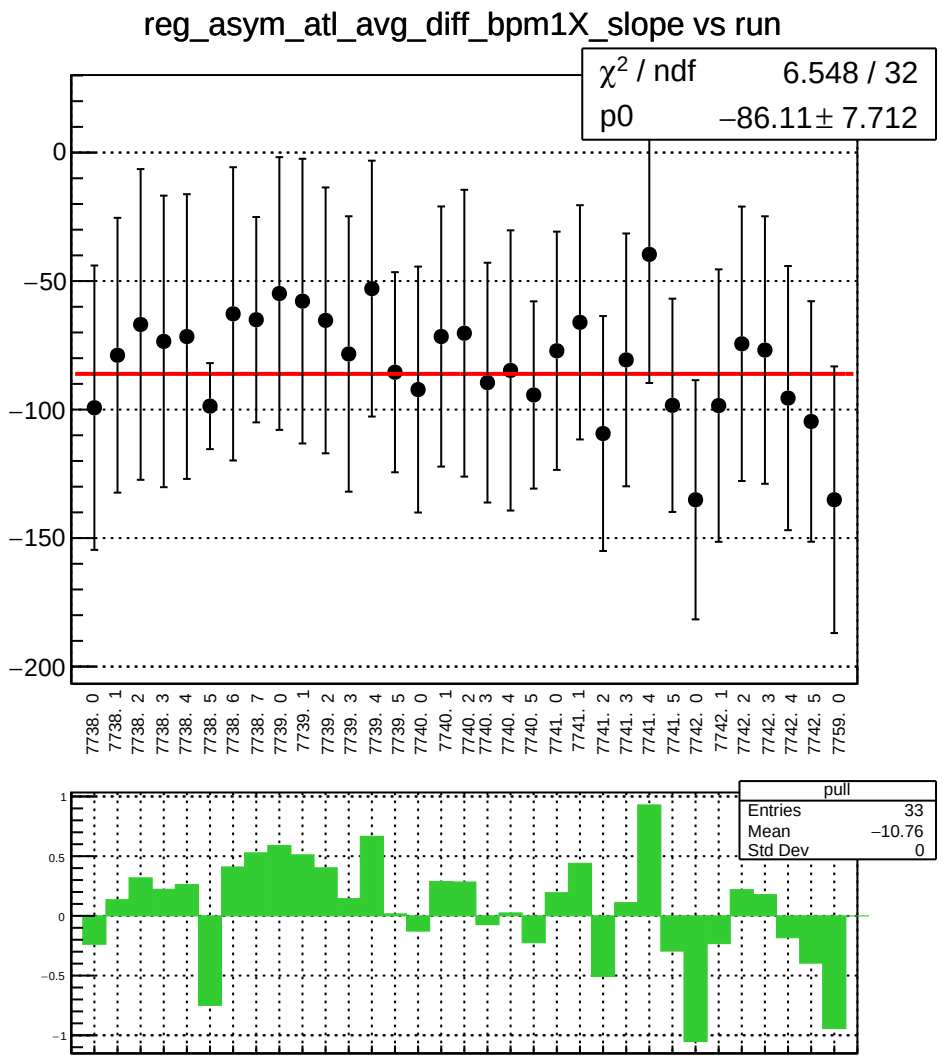

pull1D
Entries 33
Mean −0.1203
Std Dev 0.3829
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

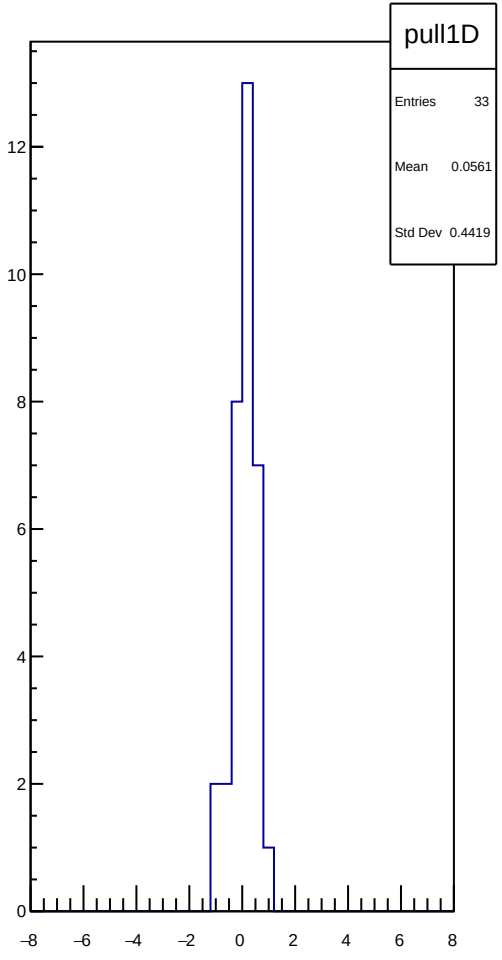

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 0.9135 / 32
p0 −80.15 ± 46.09
400
300
200
100
0
−100
−200
−300
−400
−500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −115.5
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

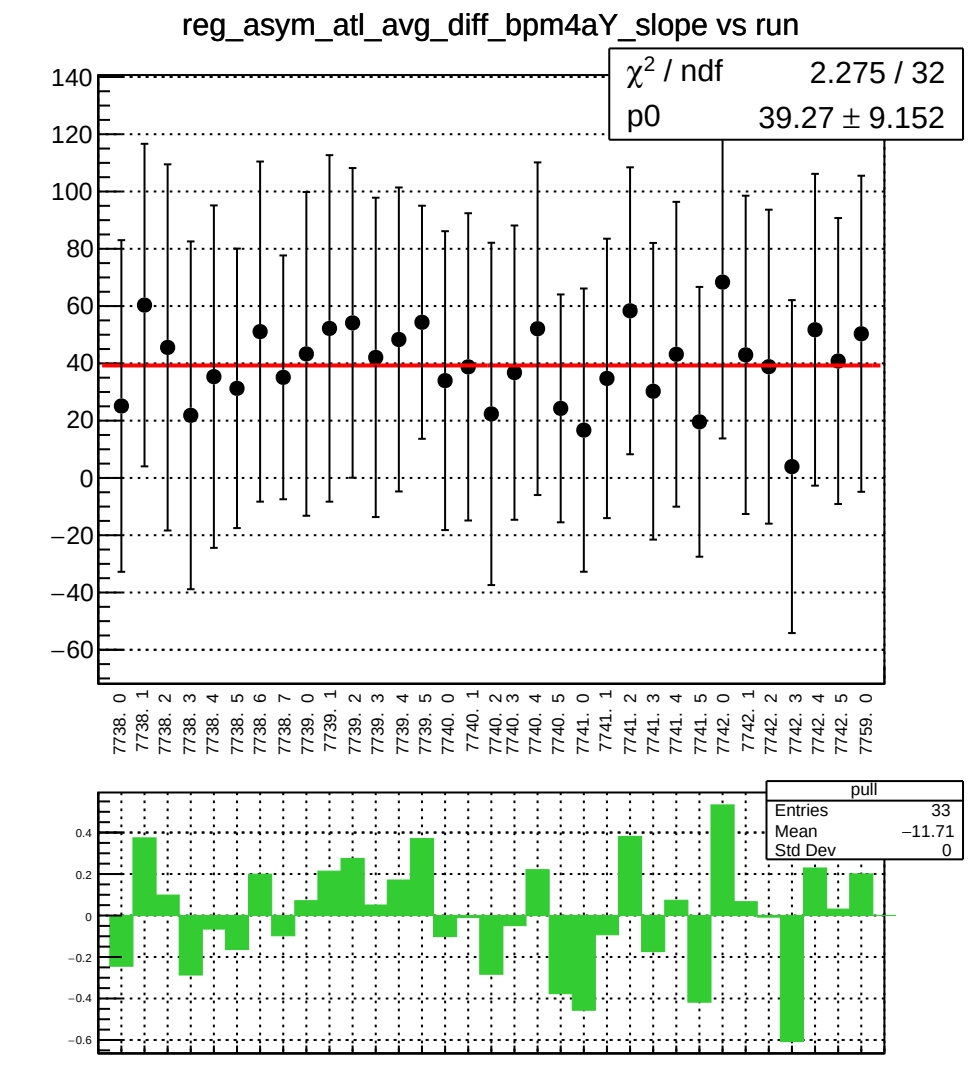

pull1D
Entries 33
Mean −0.002774
Std Dev 0.1664
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

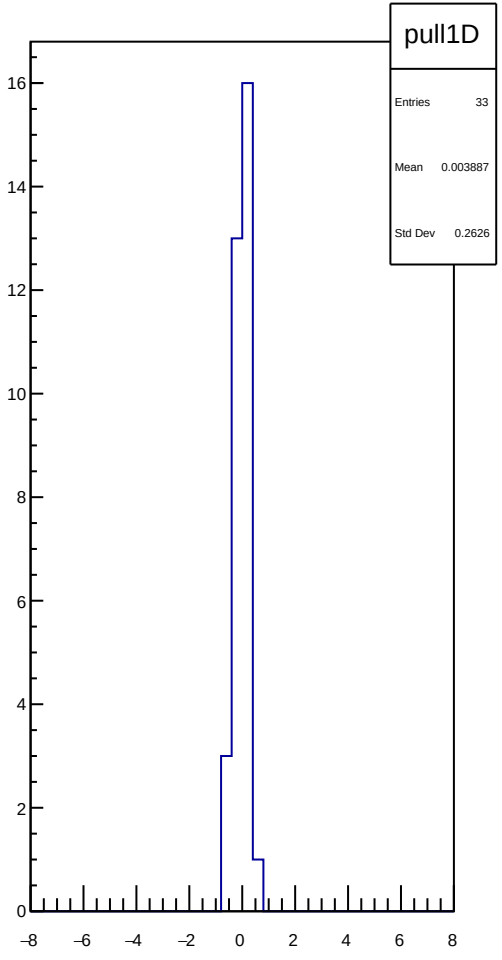

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 42.42 / 32
p0 −278.2 ± 1.514
−260
−270
−280
−290
−300
−310
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.411
Std Dev 0
1
0
−1
−2
−3
−4
−5
−6

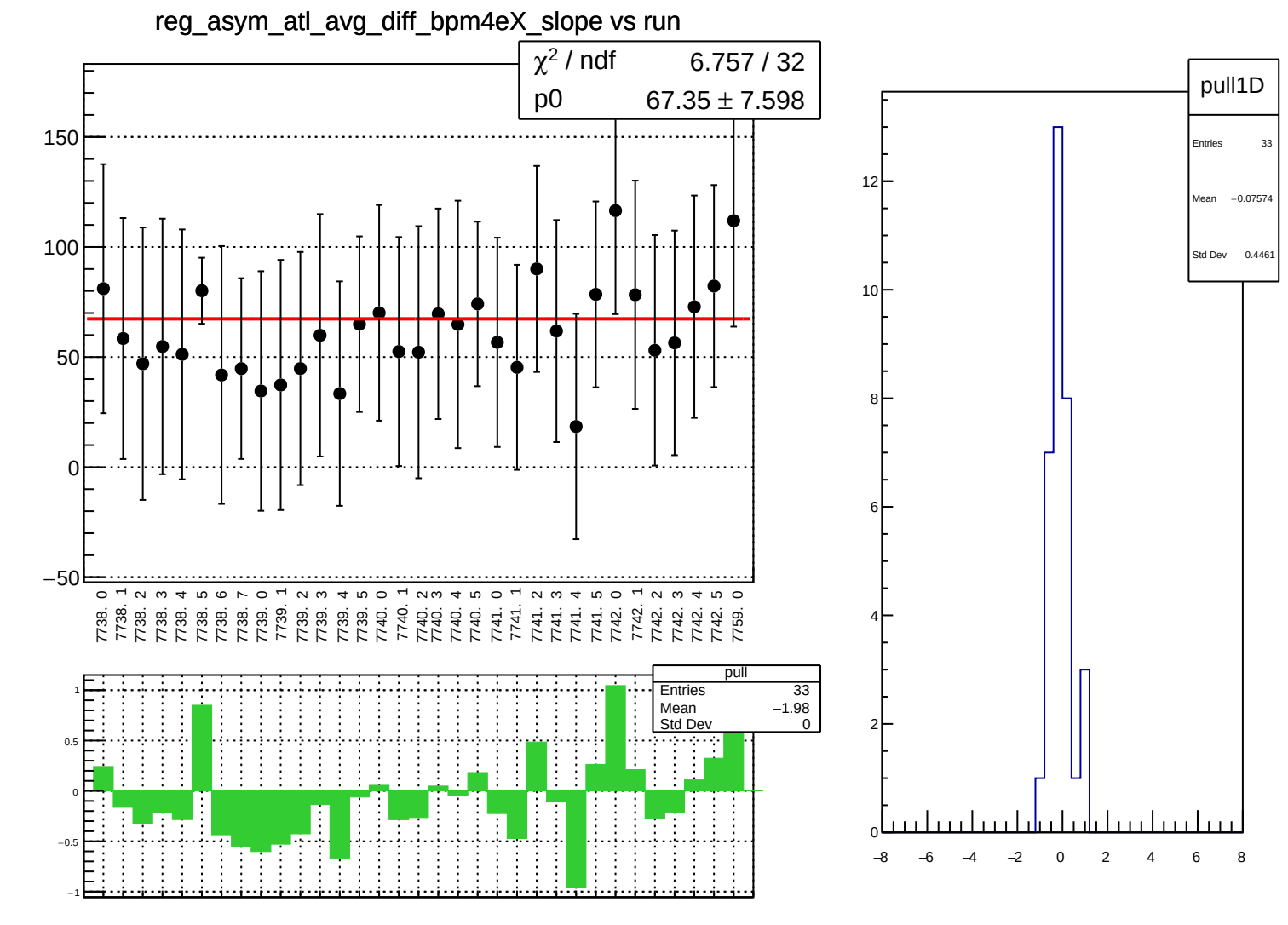

pull1D
Entries 33
Mean 0.1694
Std Dev 1.121
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

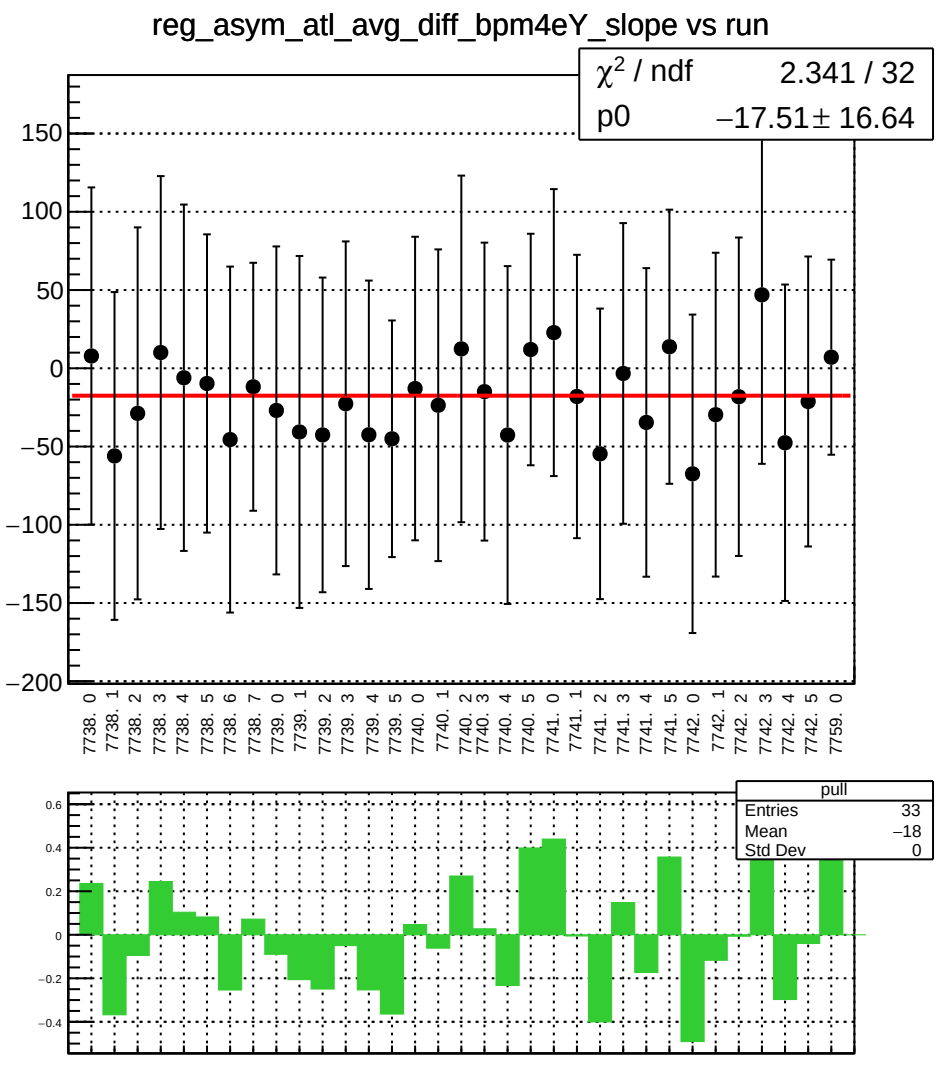

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 6.548 / 32
p0 −86.11± 7.712
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.76
Std Dev 0
1
0.5
0
−0.5
−1

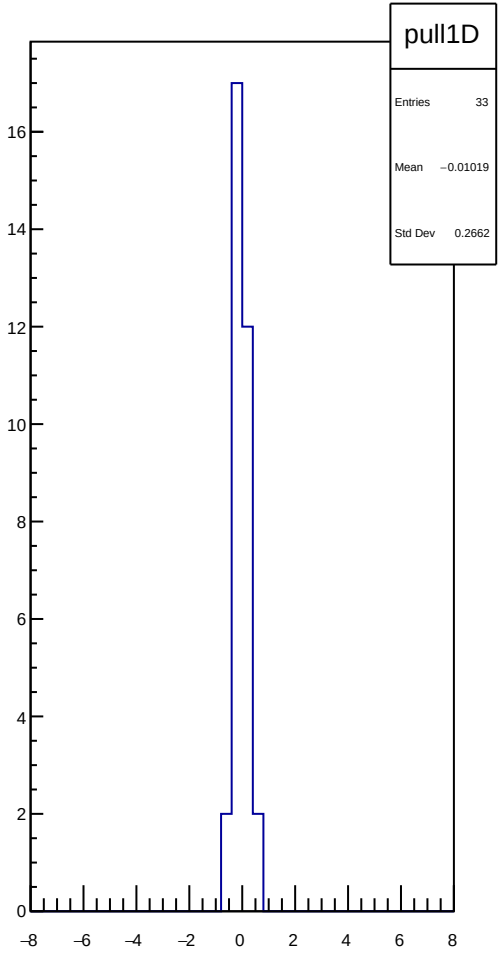

pull1D
Entries 33
Mean 0.0561
Std Dev 0.4419
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

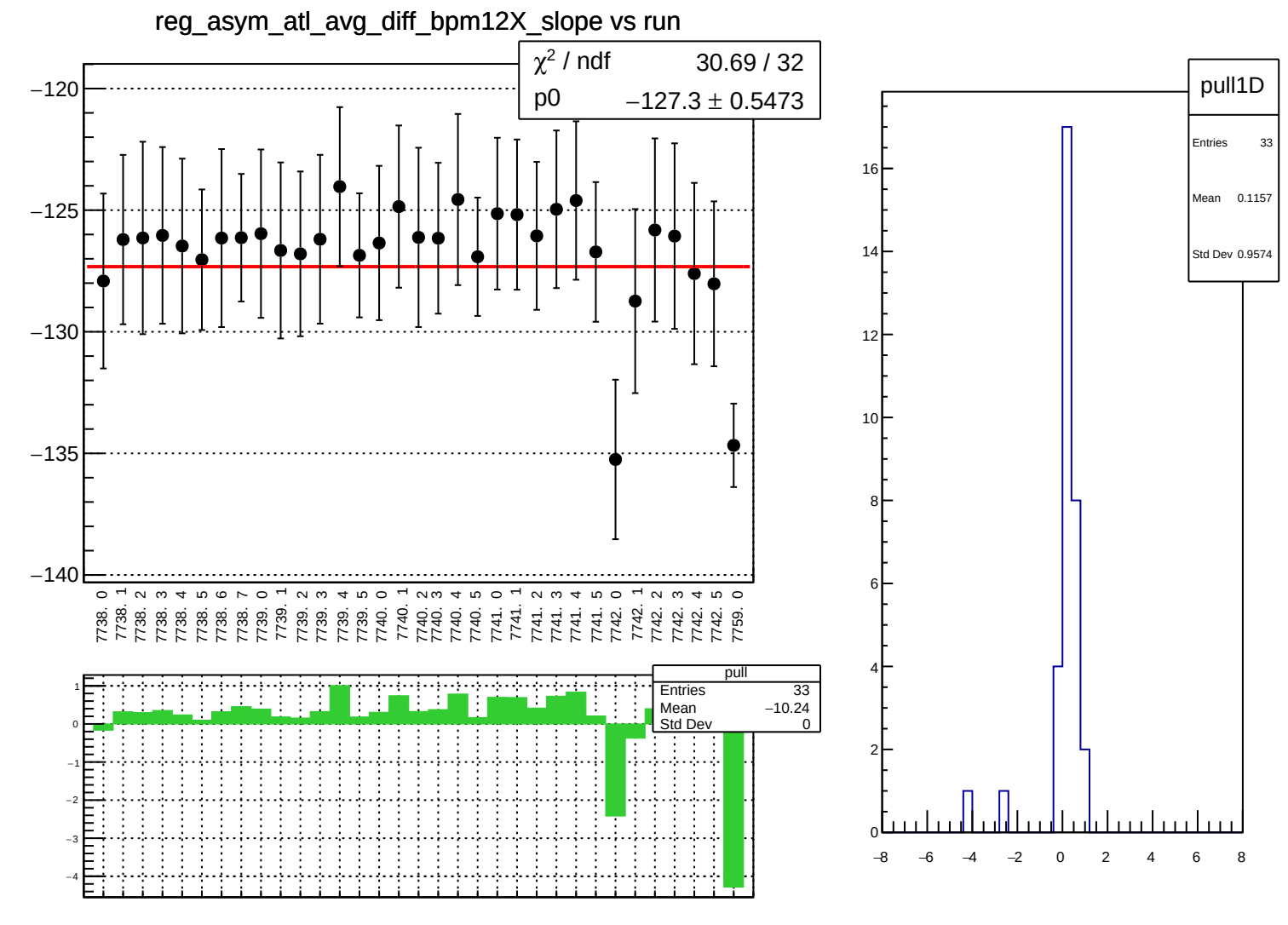

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.275 / 32
p0 39.27 ± 9.152
pull
Entries 33
Mean −11.71
Std Dev 0

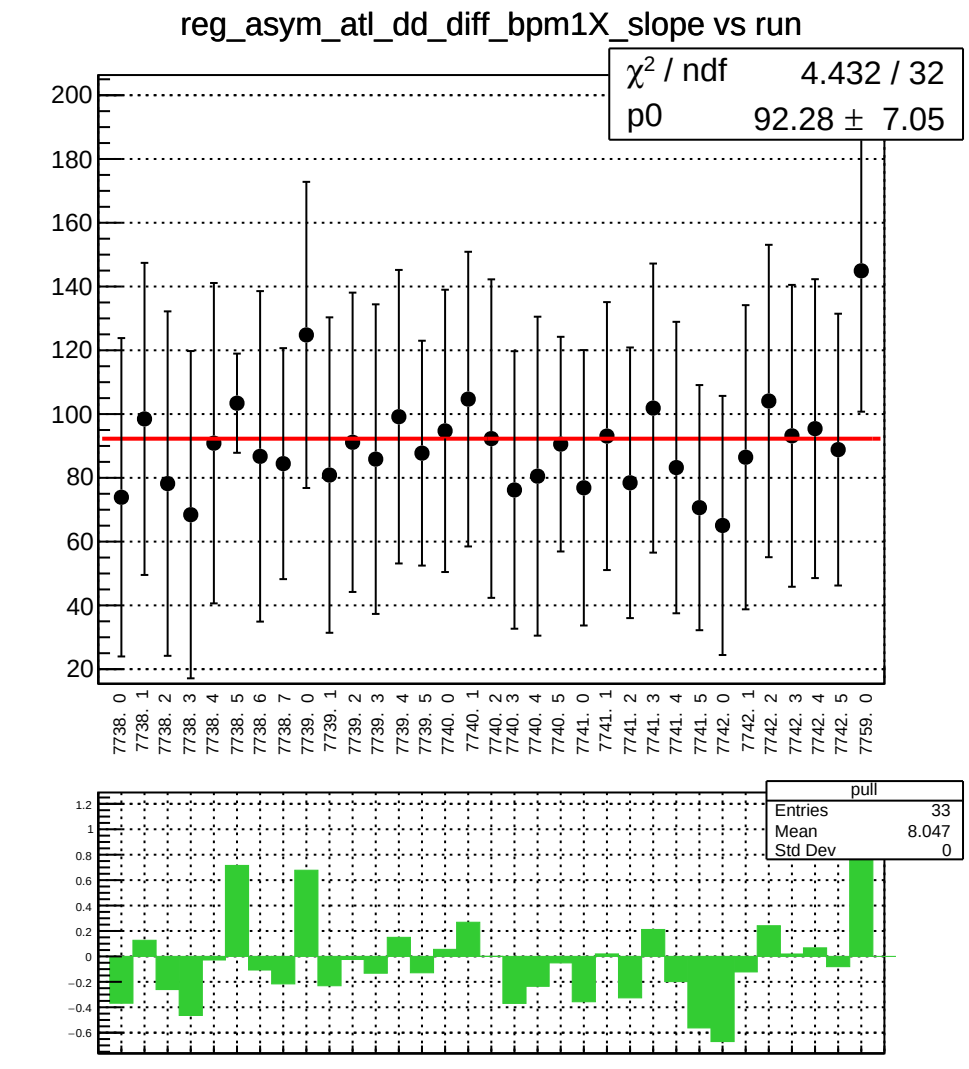

pull1D
Entries 33
Mean 0.003887
Std Dev 0.2626

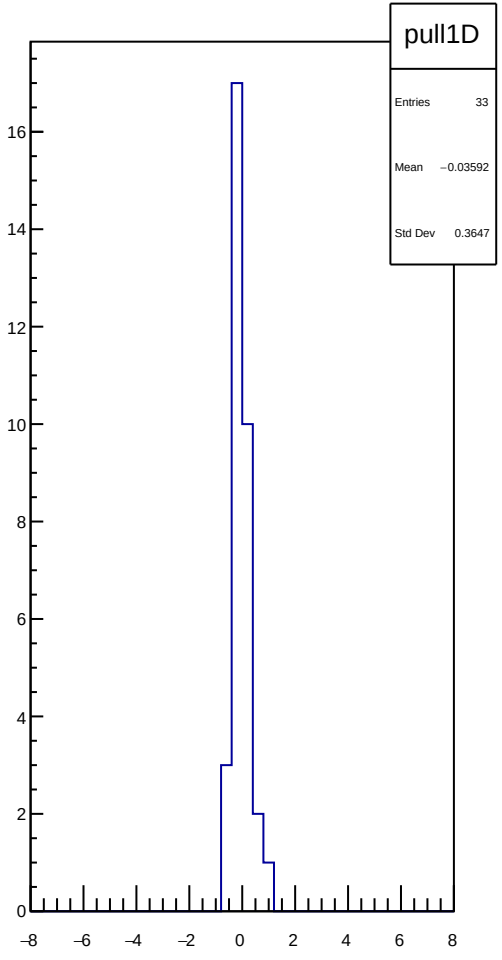

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.757 / 32
p0 67.35 ± 7.598
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.98
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.07574
Std Dev 0.4461
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

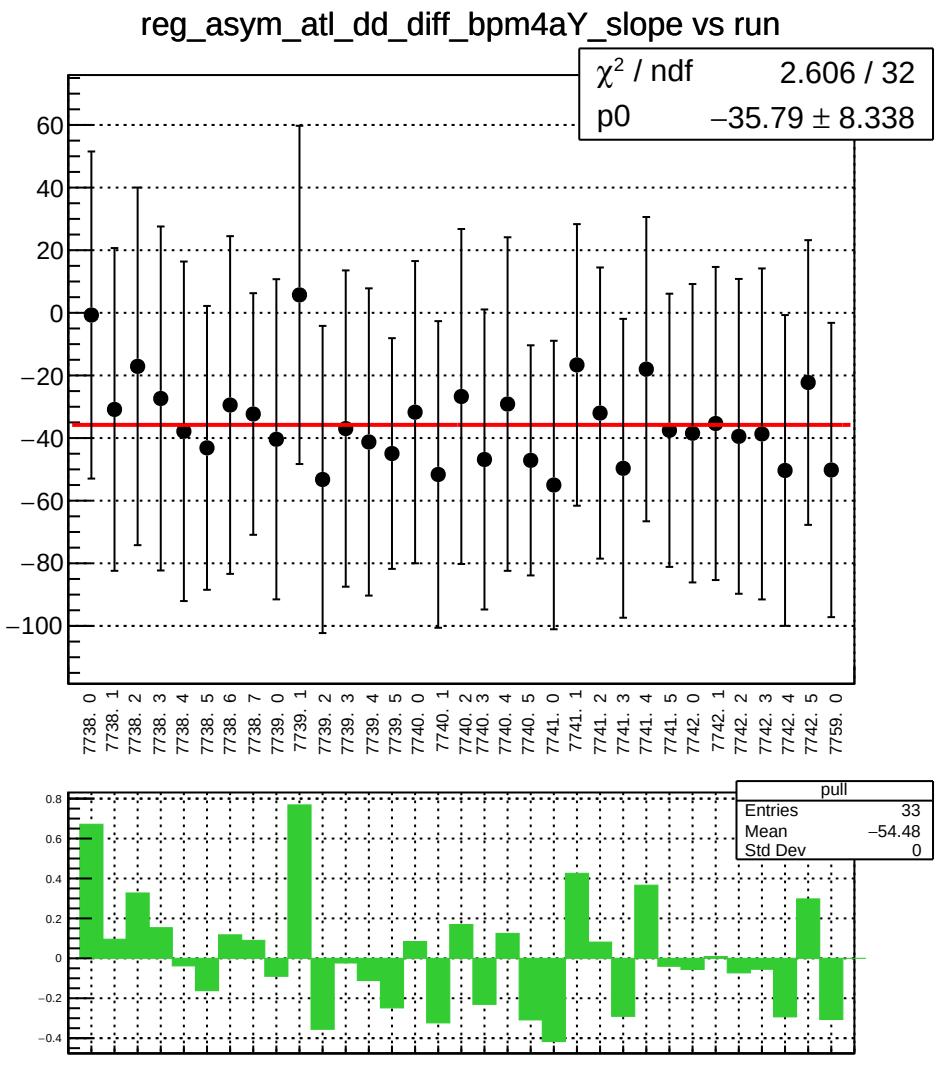

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.341 / 32
p0 −17.51± 16.64
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4

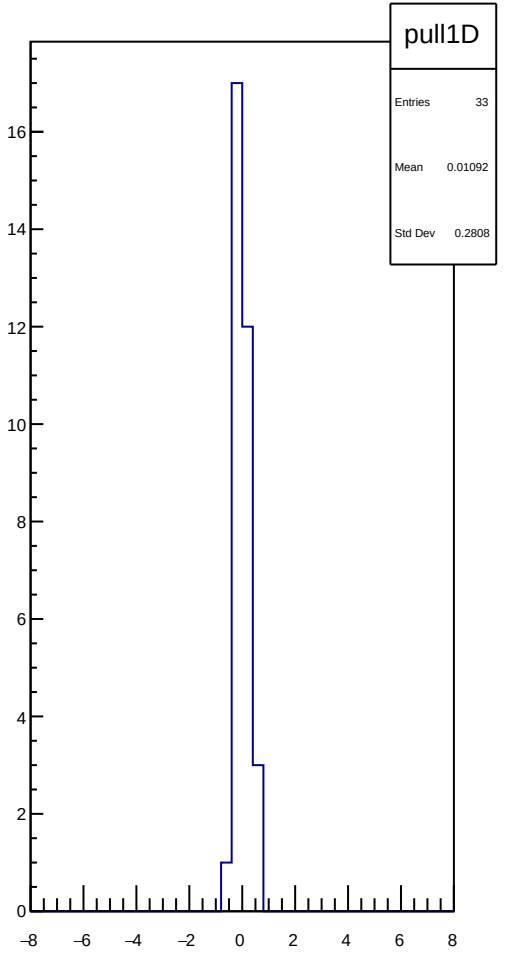

pull1D
Entries 33
Mean −0.01019
Std Dev 0.2662
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

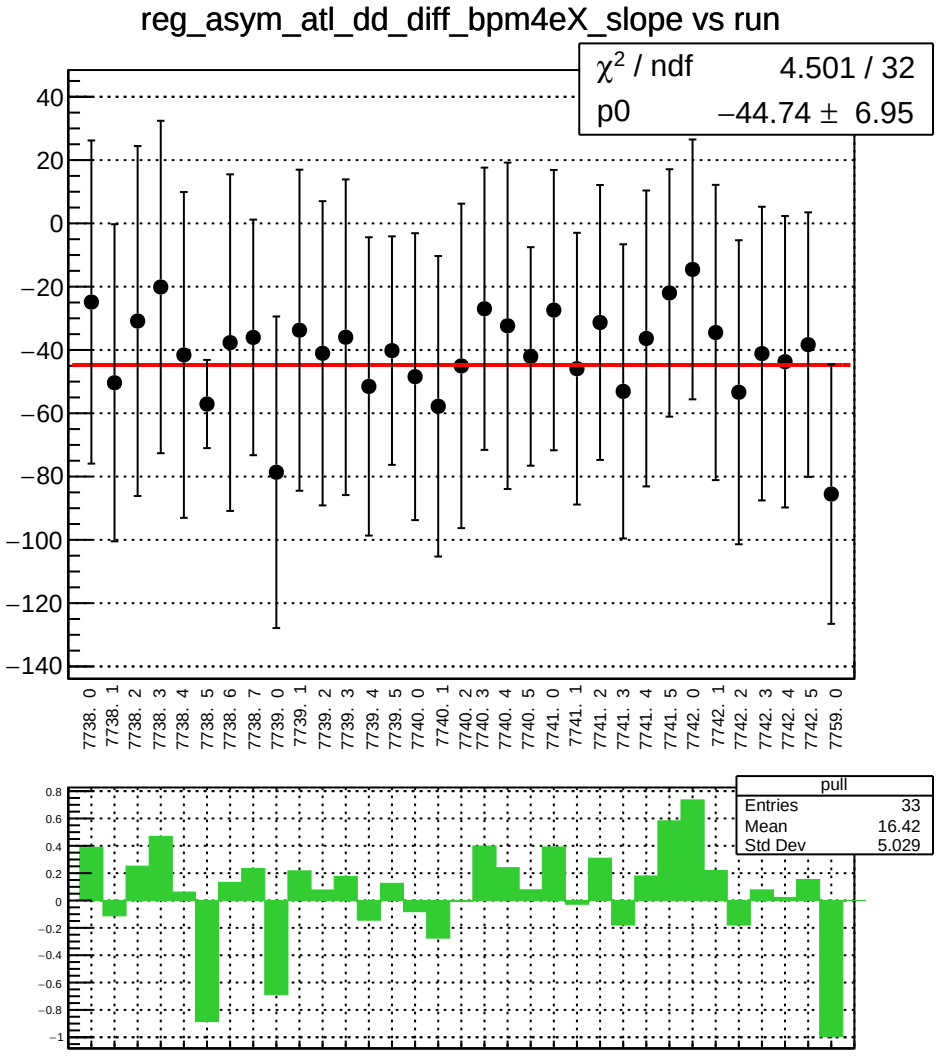

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 30.69 / 32
p0 −127.3 ± 0.5473
−120
−125
−130
−135
−140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −10.24
Std Dev 0
pull1D
Entries 33
Mean 0.1157
Std Dev 0.9574

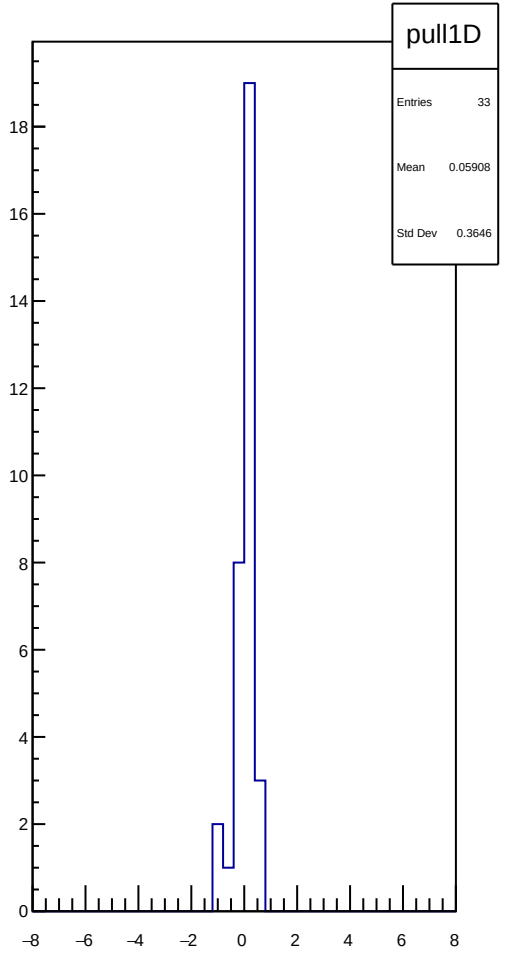

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 4.432 / 32
p0 92.28 ± 7.05
pull
Entries 33
Mean 8.047
Std Dev 0

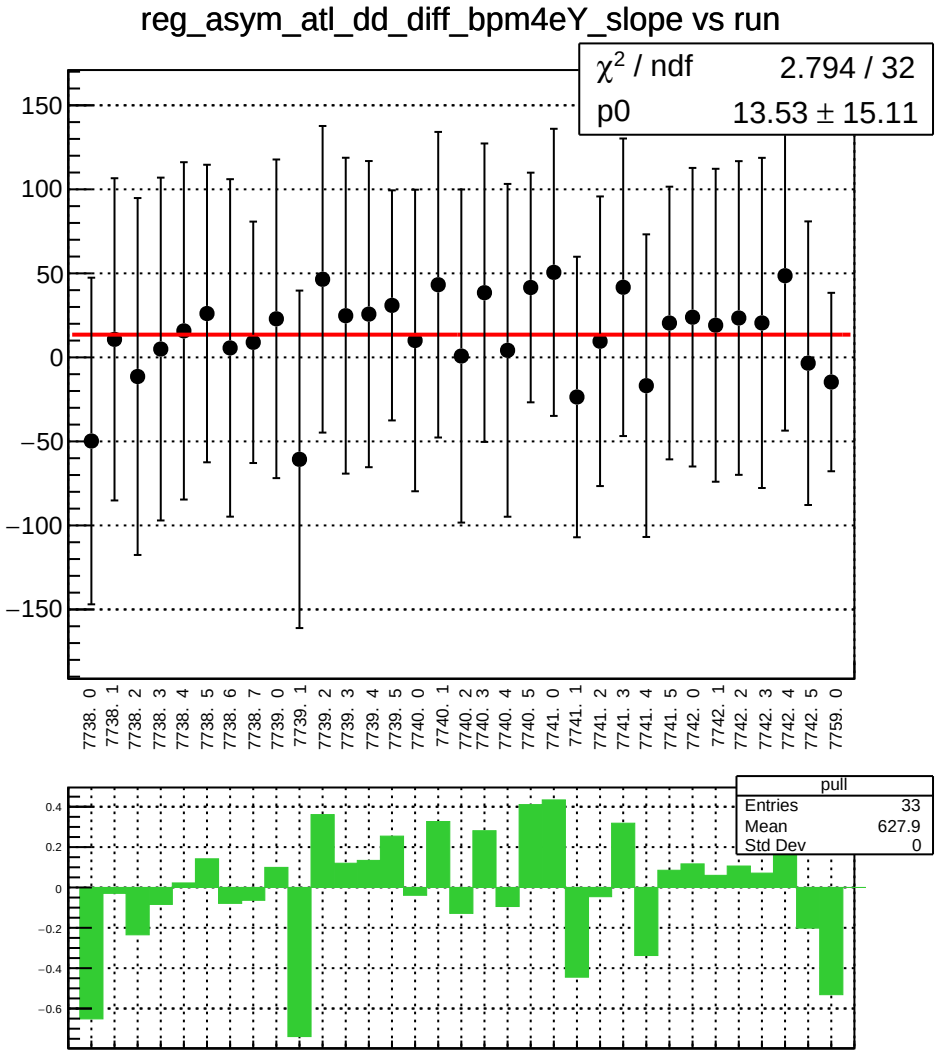

pull1D
Entries 33
Mean −0.03592
Std Dev 0.3647

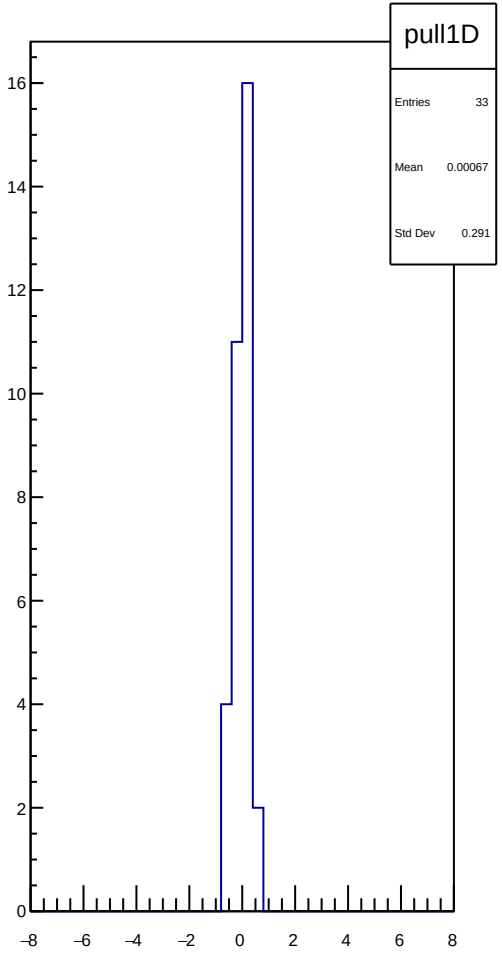

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.606 / 32
p0 −35.79 ± 8.338
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −54.48
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4

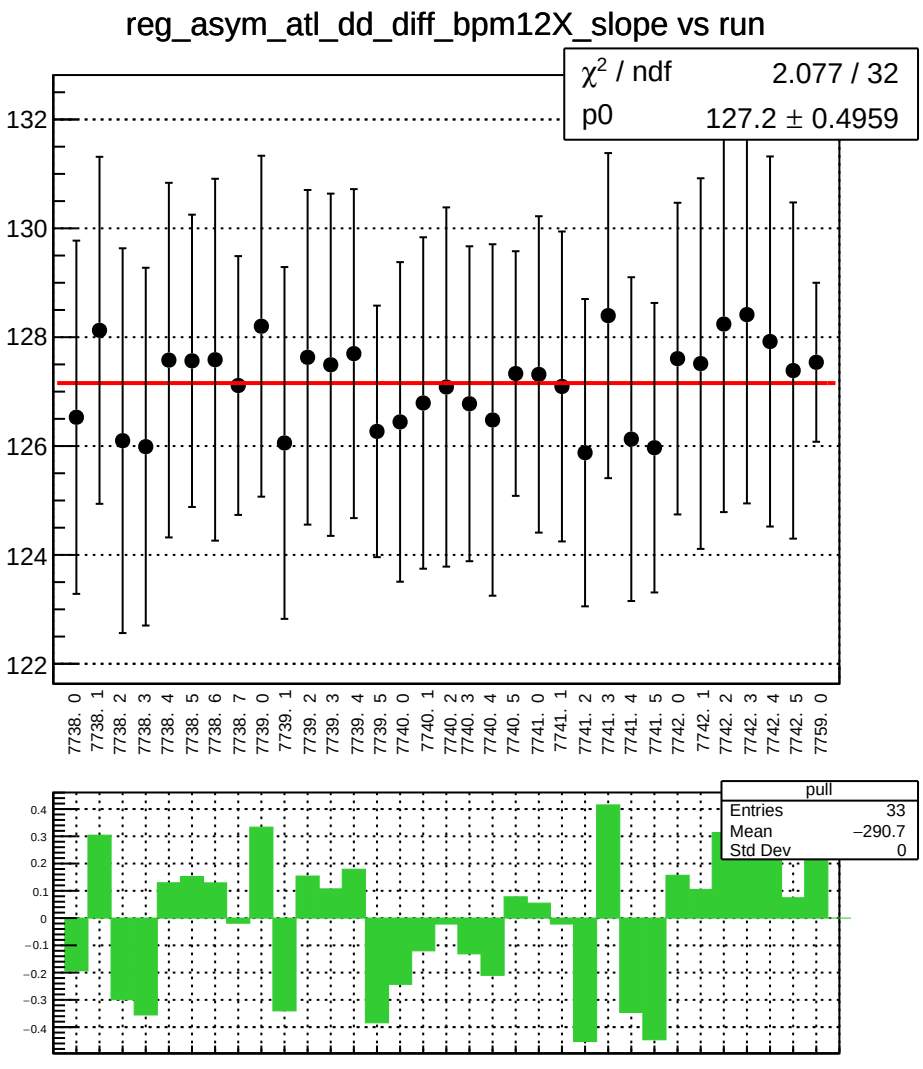

pull1D
Entries 33
Mean 0.01092
Std Dev 0.2808
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

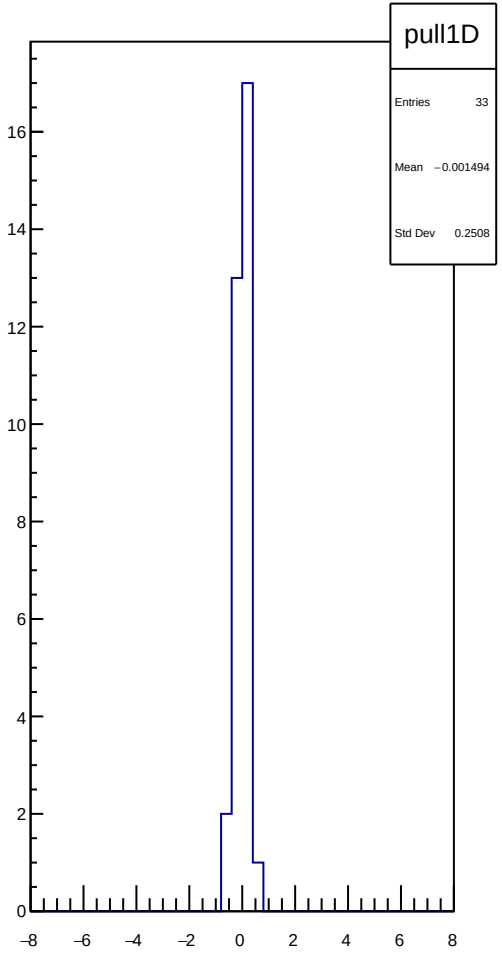

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.501 / 32
p0 −44.74 ± 6.95
pull
Entries 33
Mean 16.42
Std Dev 5.029

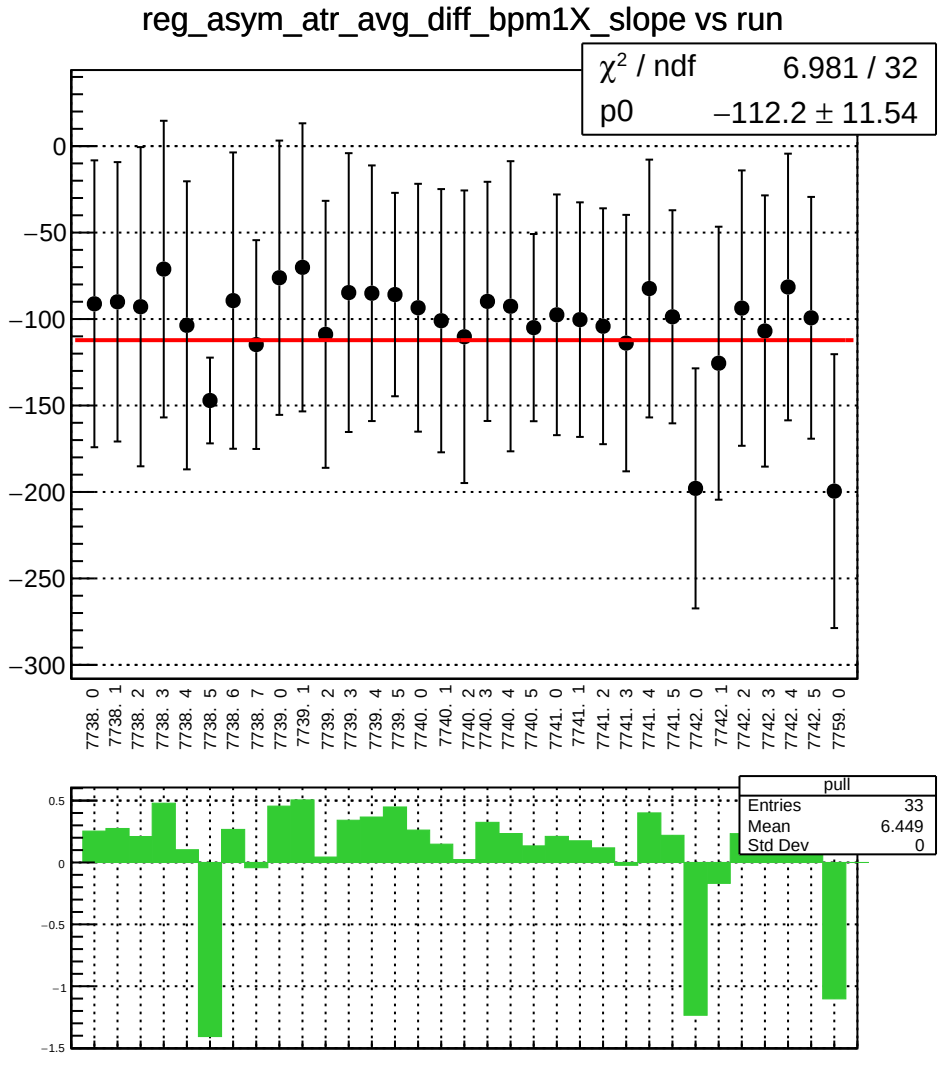

pull1D
Entries 33
Mean 0.05908
Std Dev 0.3646

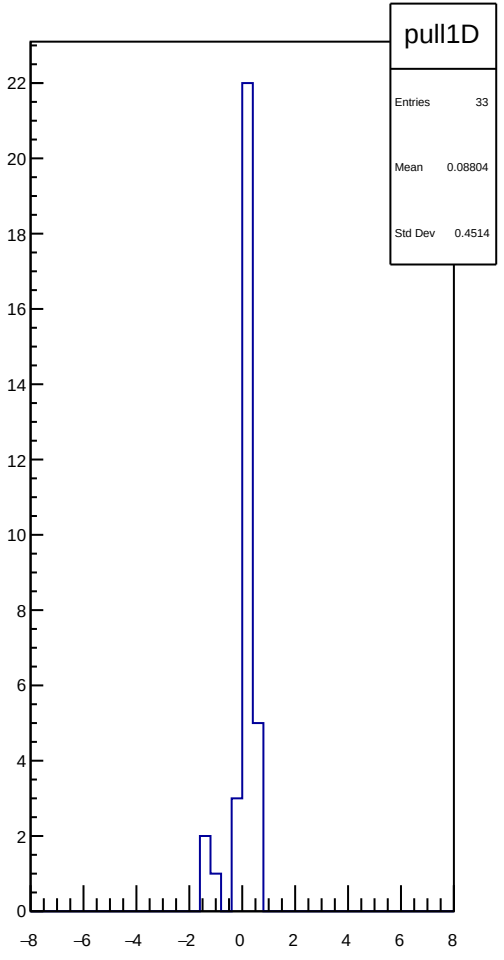

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.794 / 32
p0 13.53 ± 15.11
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 627.9
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

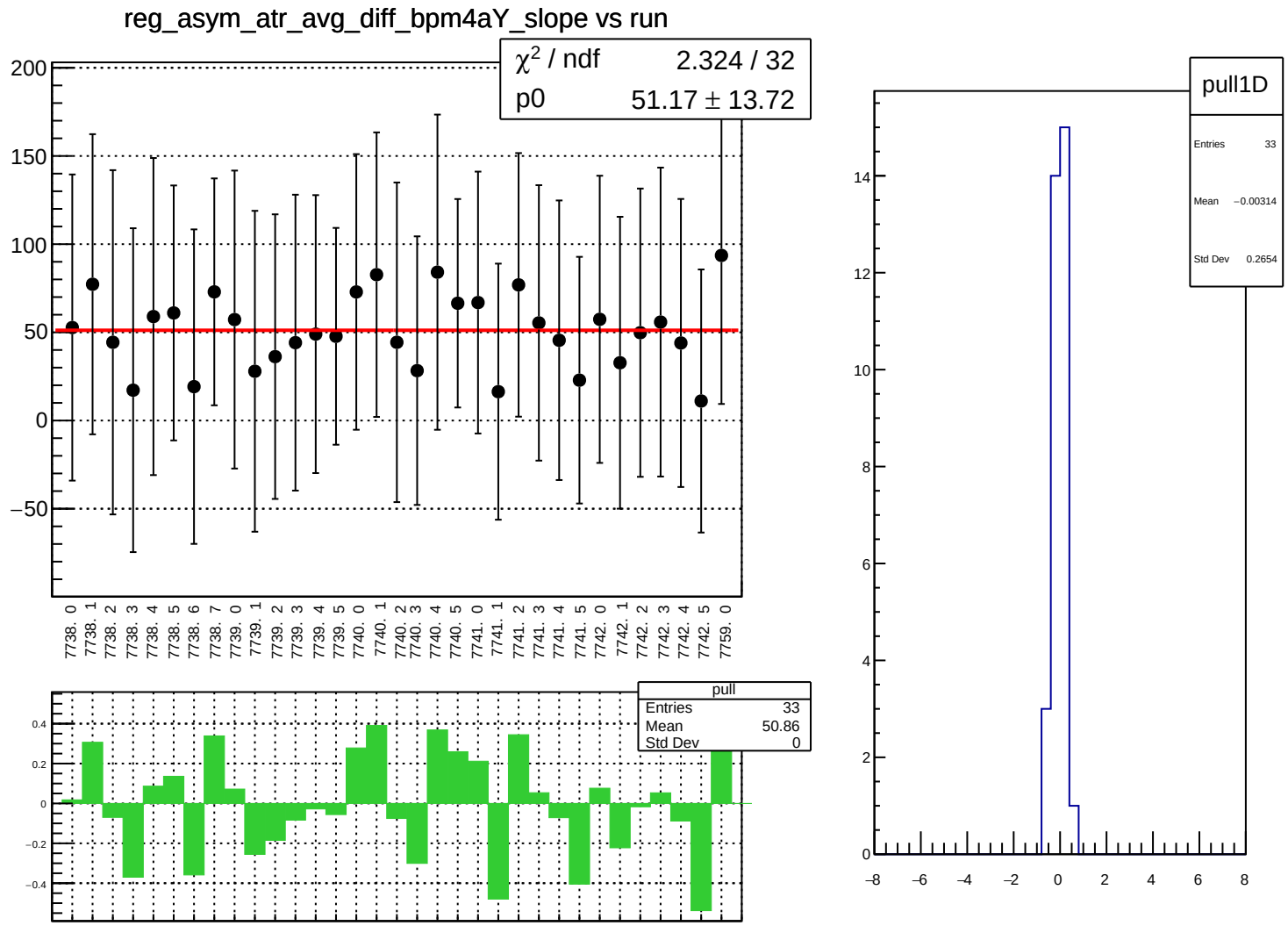

pull1D
Entries 33
Mean 0.00067
Std Dev 0.291
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

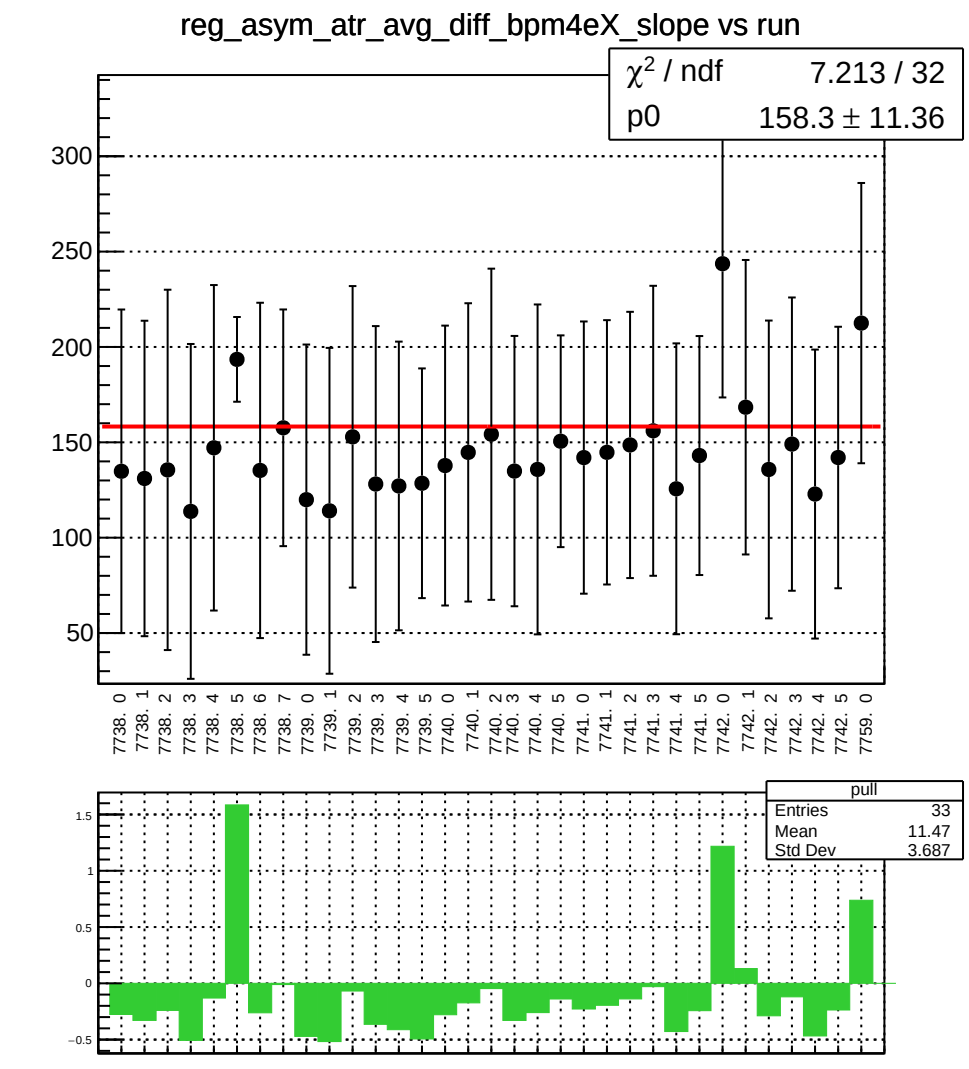

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 2.077 / 32
p0 127.2 ± 0.4959
132
130
128
126
124
122
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −290.7
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

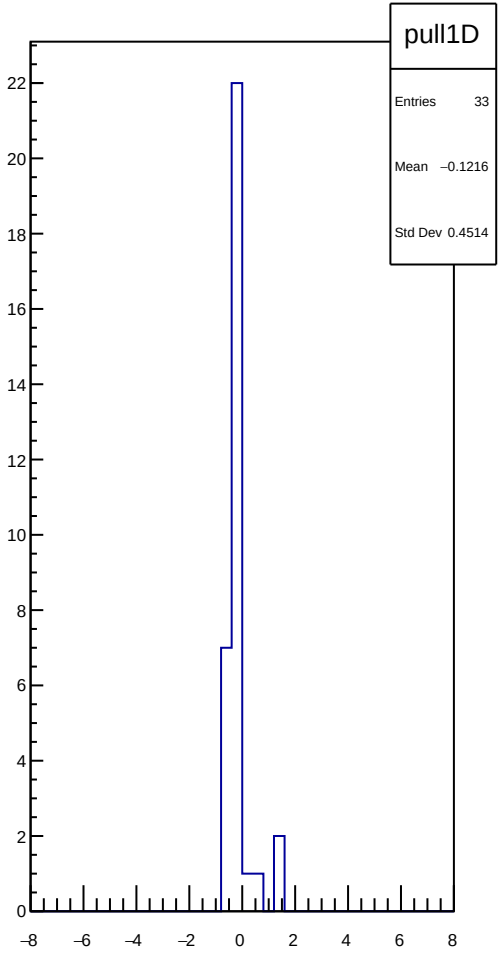

pull1D
Entries 33
Mean −0.001494
Std Dev 0.2508
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

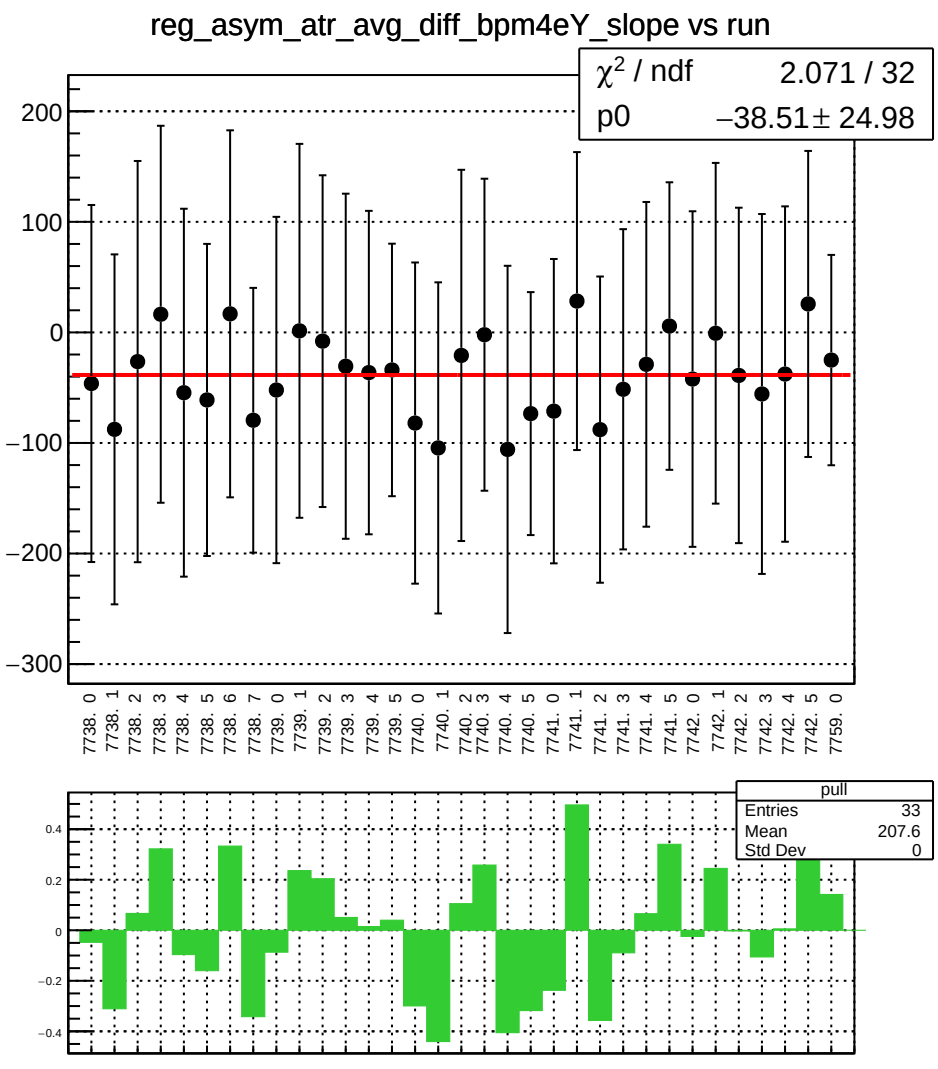

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 6.981 / 32
p0 −112.2 ± 11.54
0
−50
−100
−150
−200
−250
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.449
Std Dev 0
0.5
0
−0.5
−1
−1.5

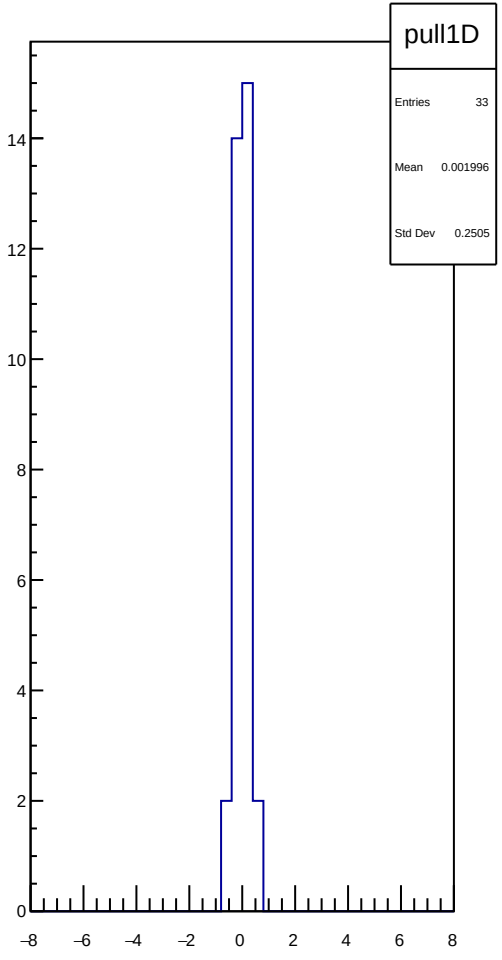

pull1D
Entries 33
Mean 0.08804
Std Dev 0.4514
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

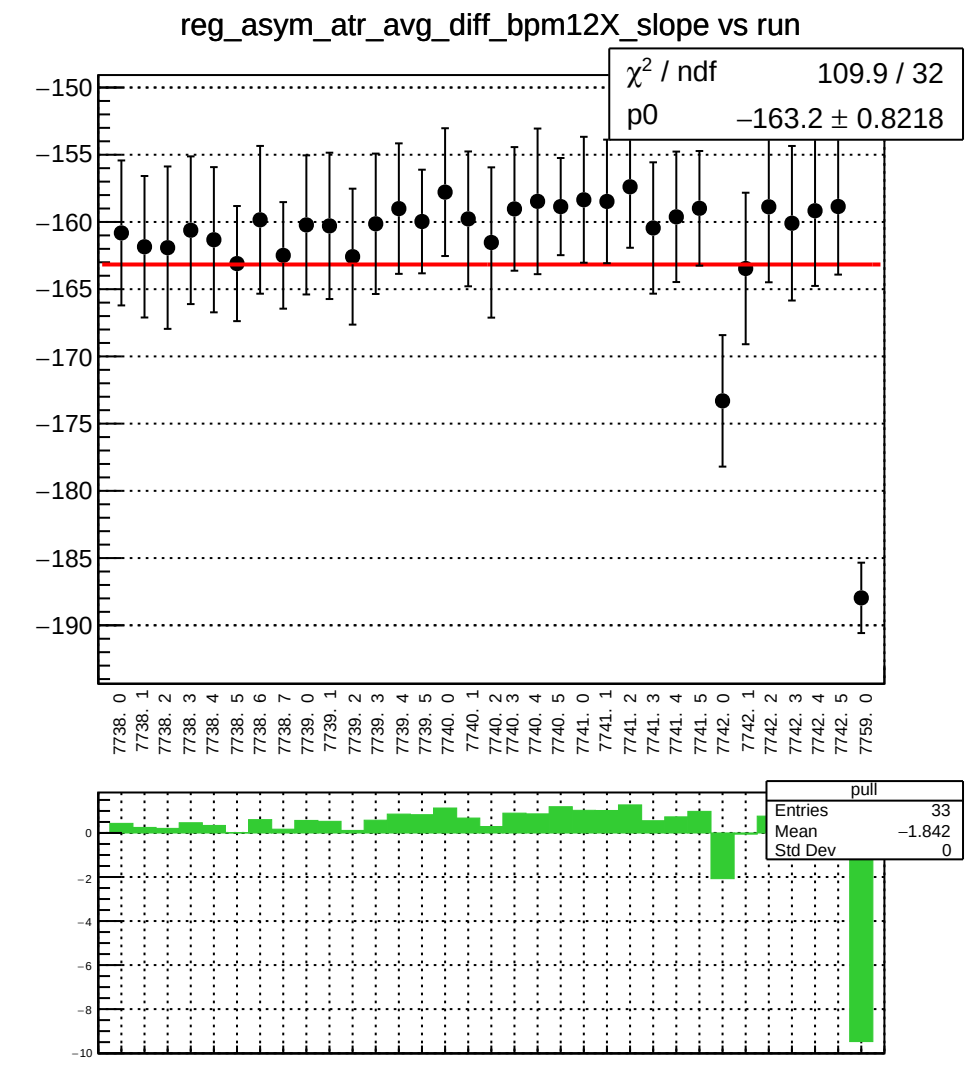

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.324 / 32
p0 51.17 ± 13.72
200
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 50.86
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.00314
Std Dev 0.2654
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

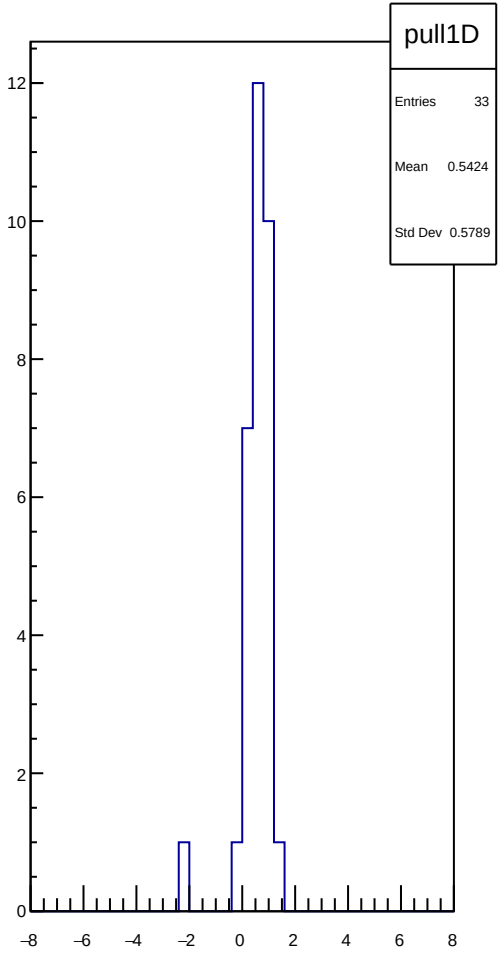

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.213 / 32
p0 158.3 ± 11.36
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 11.47
Std Dev 3.687
1.5
1
0.5
0
−0.5

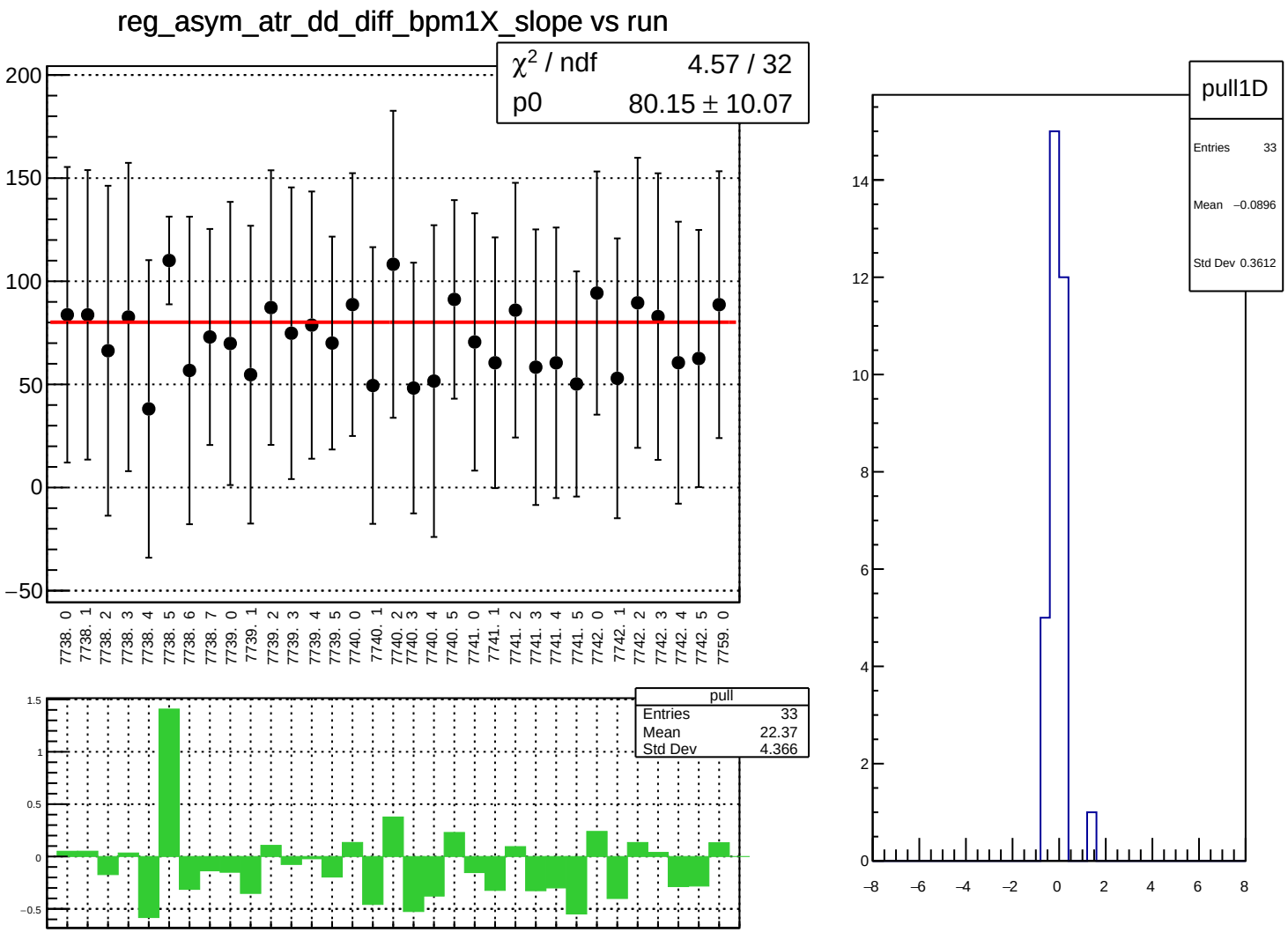

pull1D
Entries 33
Mean −0.1216
Std Dev 0.4514
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

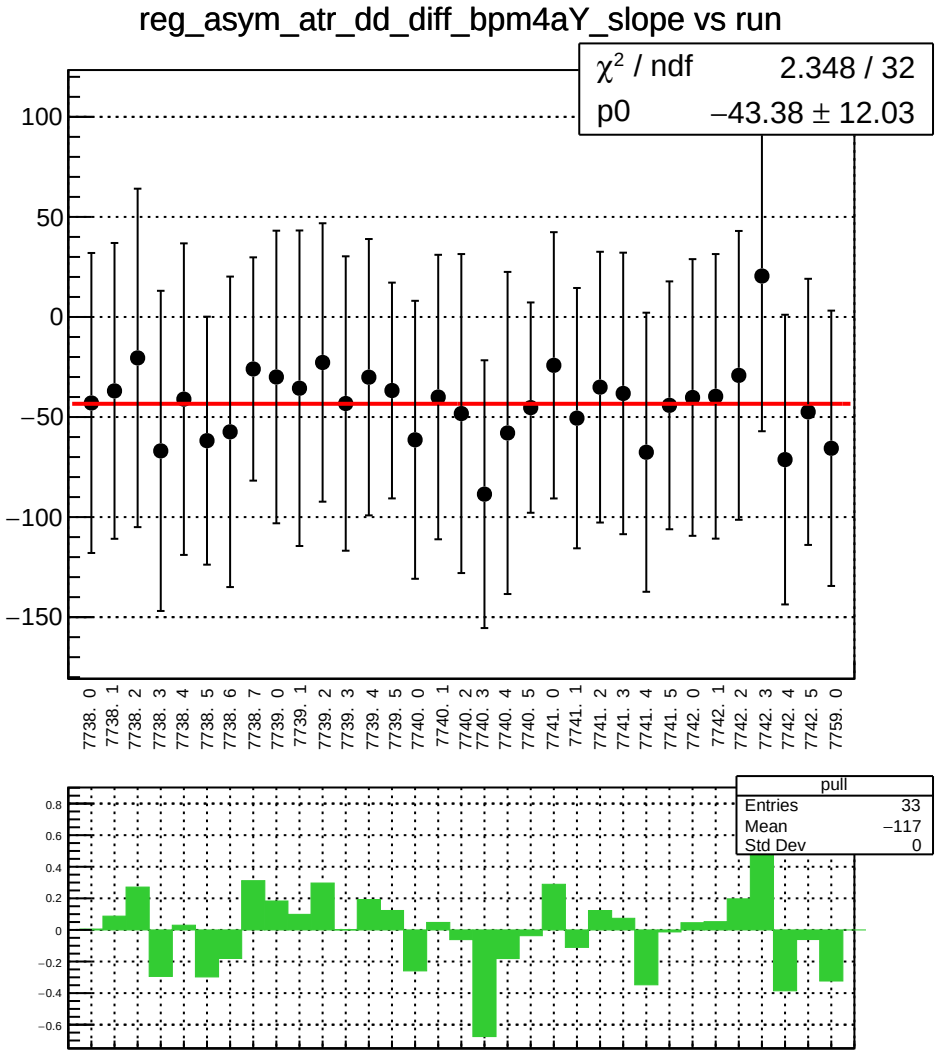

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.071 / 32
p0 −38.51± 24.98
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 207.6
Std Dev 0
0.4
0.2
0
−0.2
−0.4

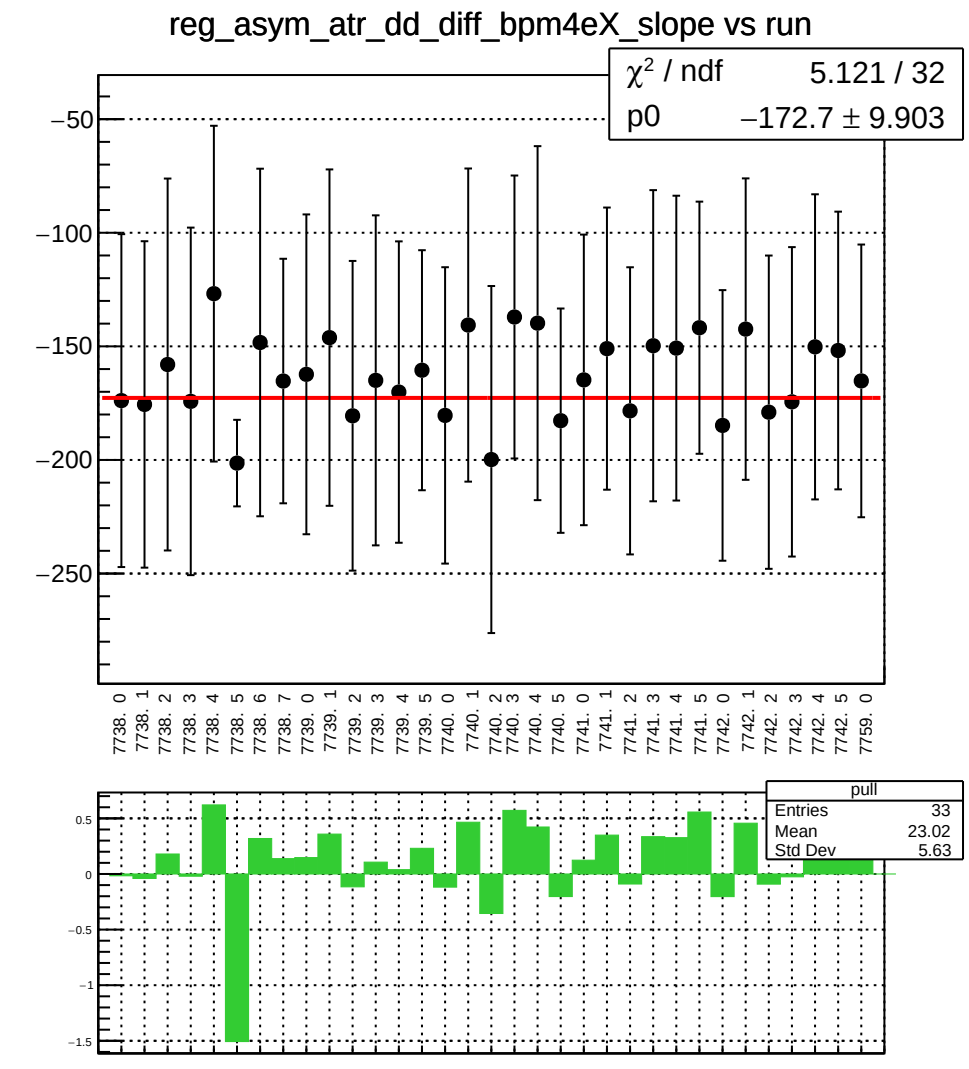

pull1D
Entries 33
Mean 0.001996
Std Dev 0.2505
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

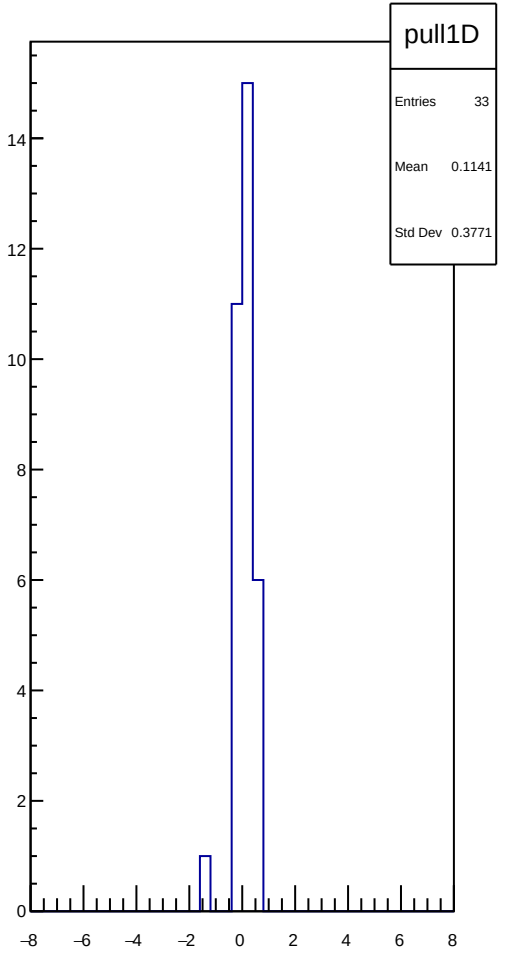

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 109.9 / 32
p0 −163.2 ± 0.8218
pull
Entries 33
Mean −1.842
Std Dev 0

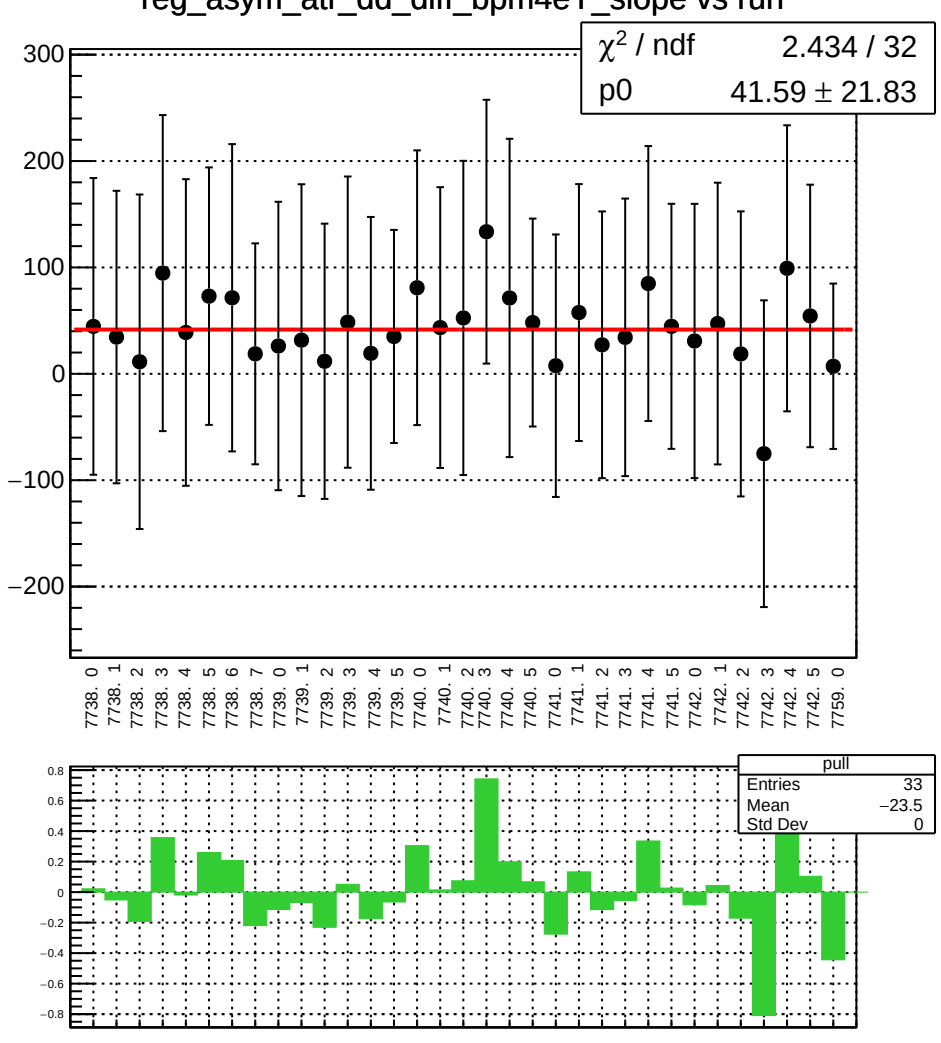

pull1D
Entries 33
Mean 0.5424
Std Dev 0.5789

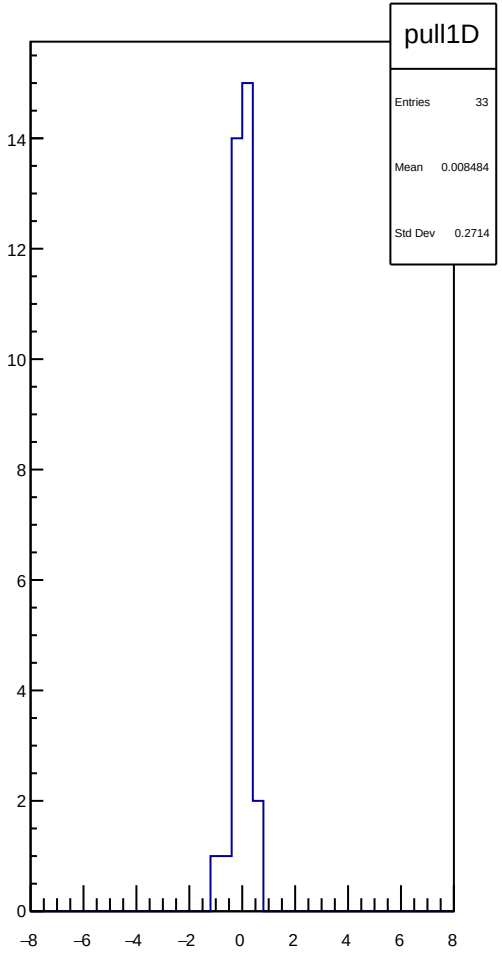

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 4.57 / 32
p0 80.15 ± 10.07
200
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.37
Std Dev 4.366
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.0896
Std Dev 0.3612
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

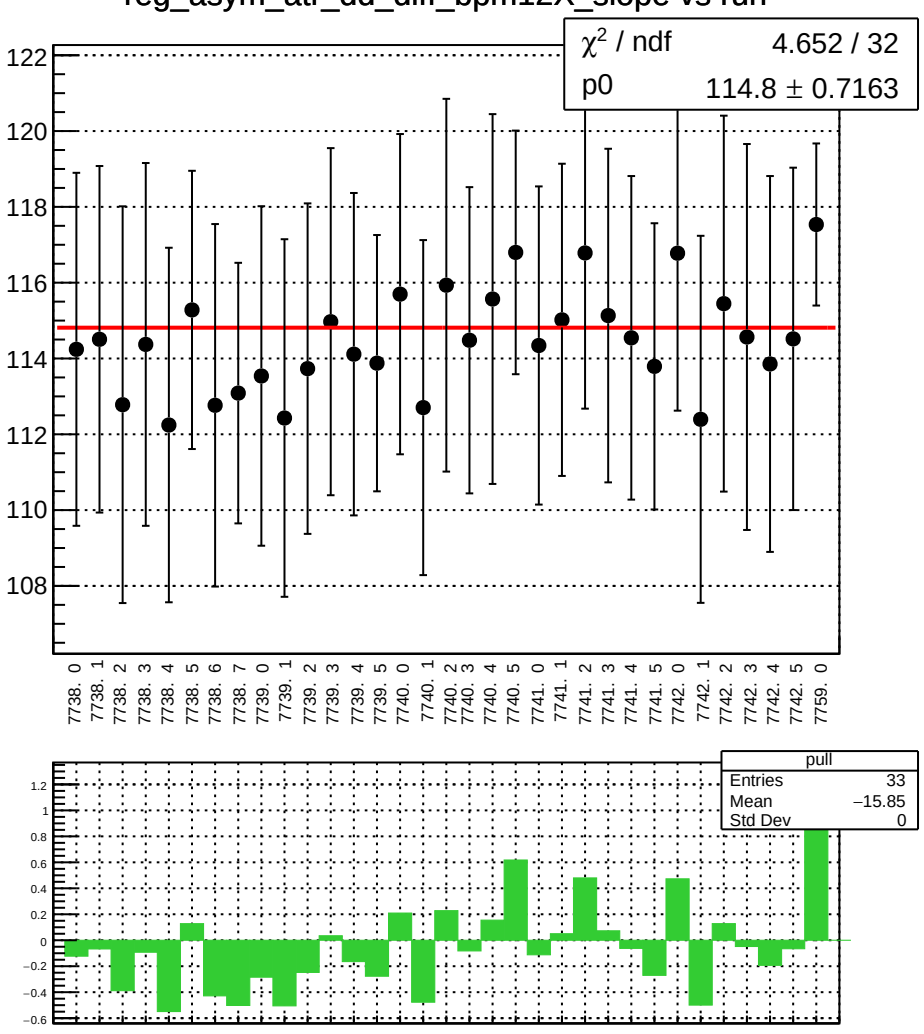

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.348 / 32
p0 −43.38 ± 12.03
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −117
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean 0.0008237
Std Dev 0.2667
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

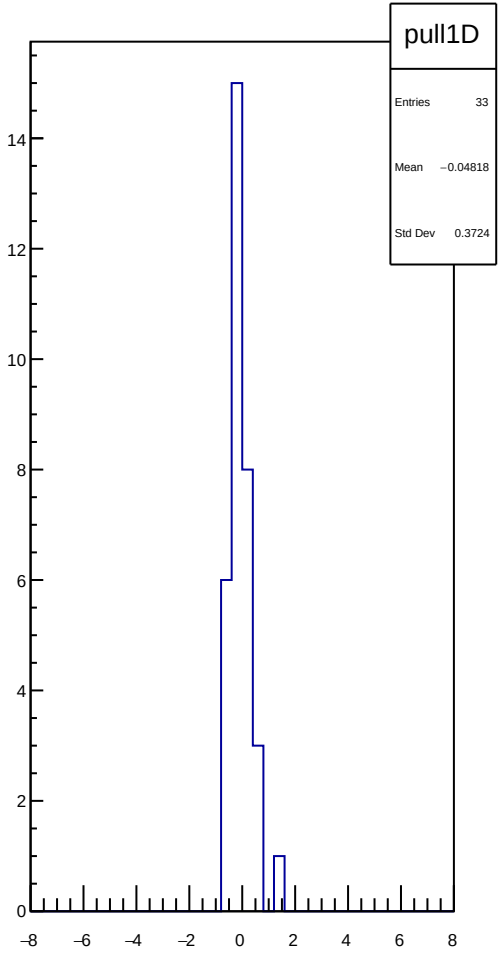

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.121 / 32
p0 −172.7 ± 9.903
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 23.02
Std Dev 5.63
0.5
0
−0.5
−1
−1.5

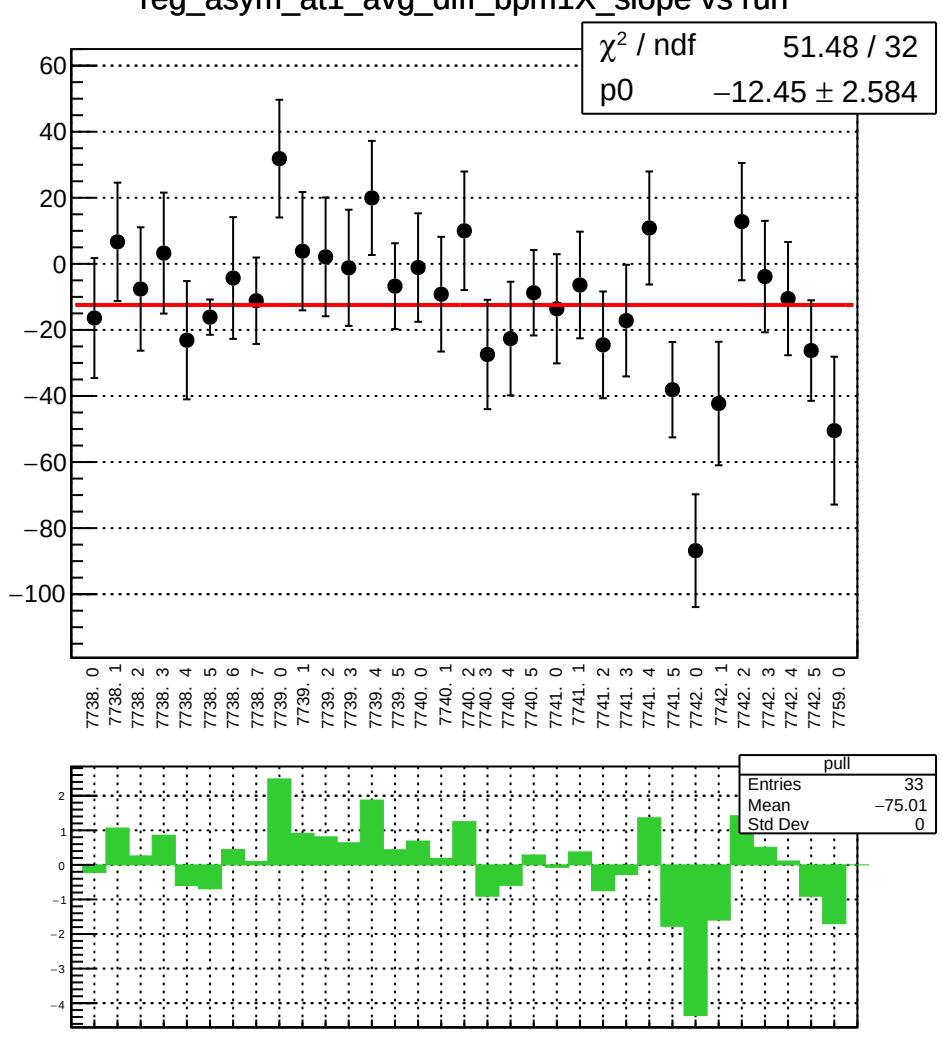

pull1D
Entries 33
Mean 0.1141
Std Dev 0.3771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

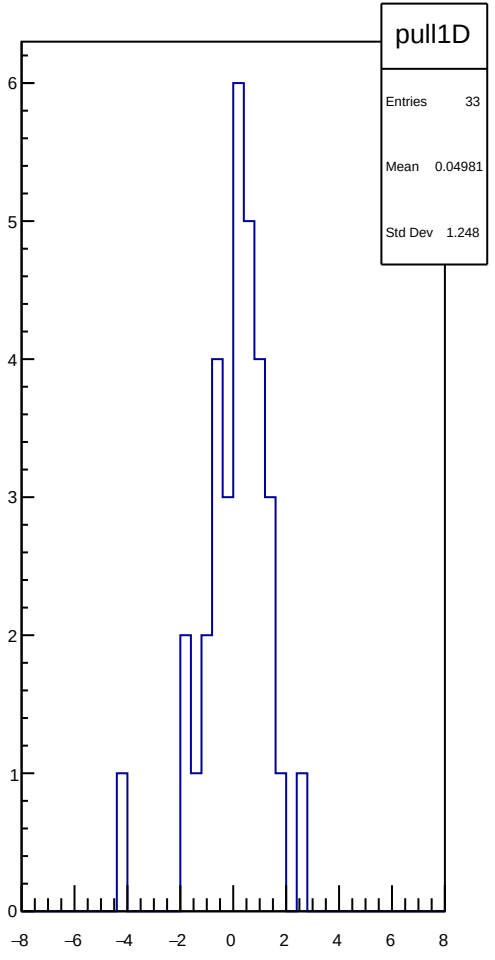

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.434 / 32
p0 41.59 ± 21.83
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −23.5
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

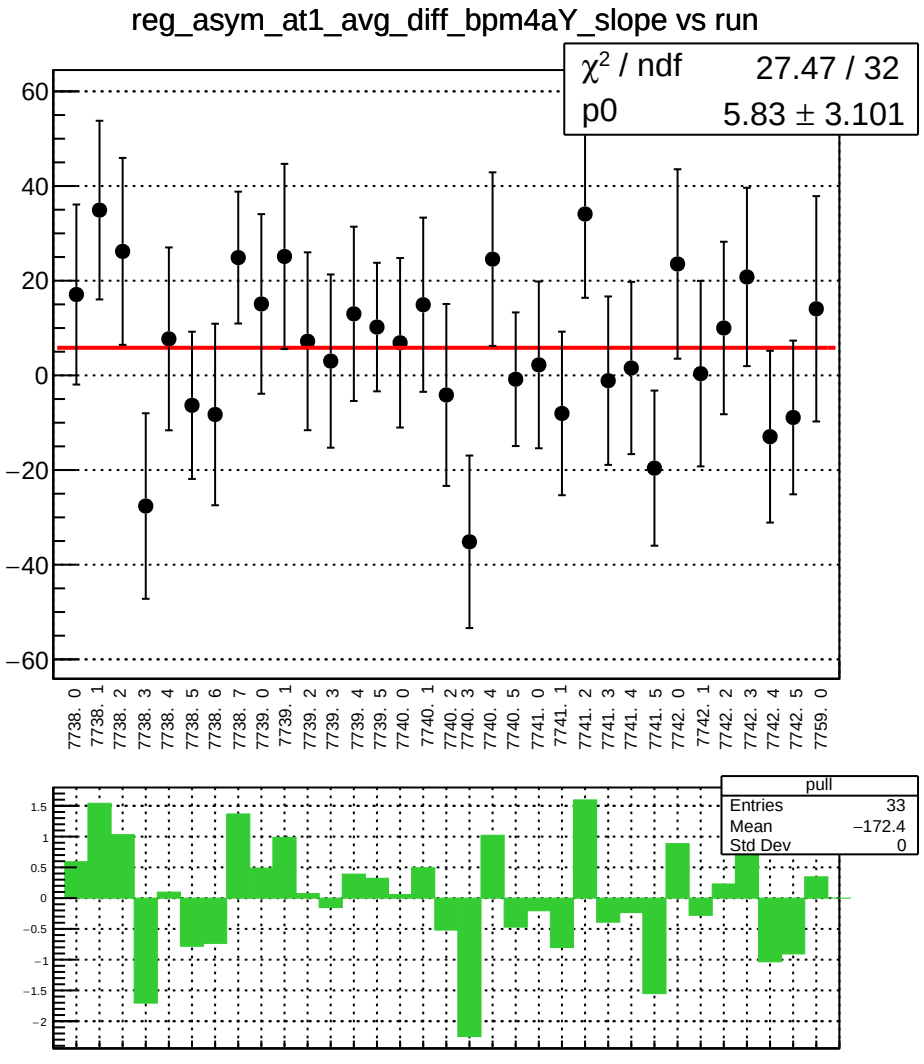

pull1D
Entries 33
Mean 0.008484
Std Dev 0.2714
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

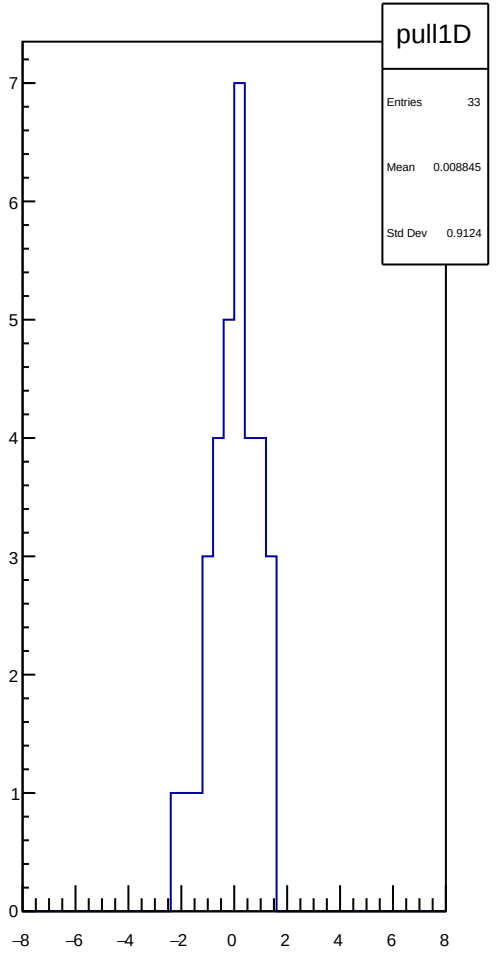

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 4.652 / 32
p0 114.8 ± 0.7163
122
120
118
116
114
112
110
108
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.85
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

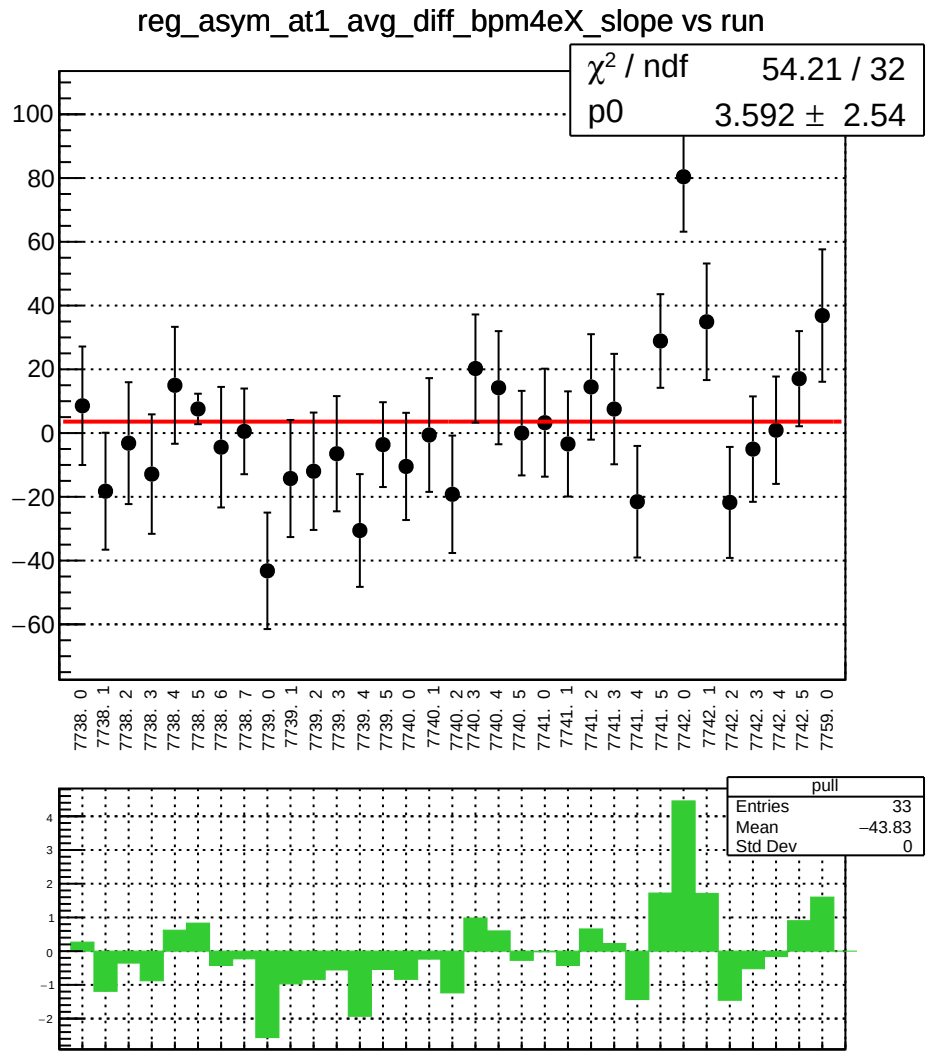

pull1D
Entries 33
Mean −0.04818
Std Dev 0.3724
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

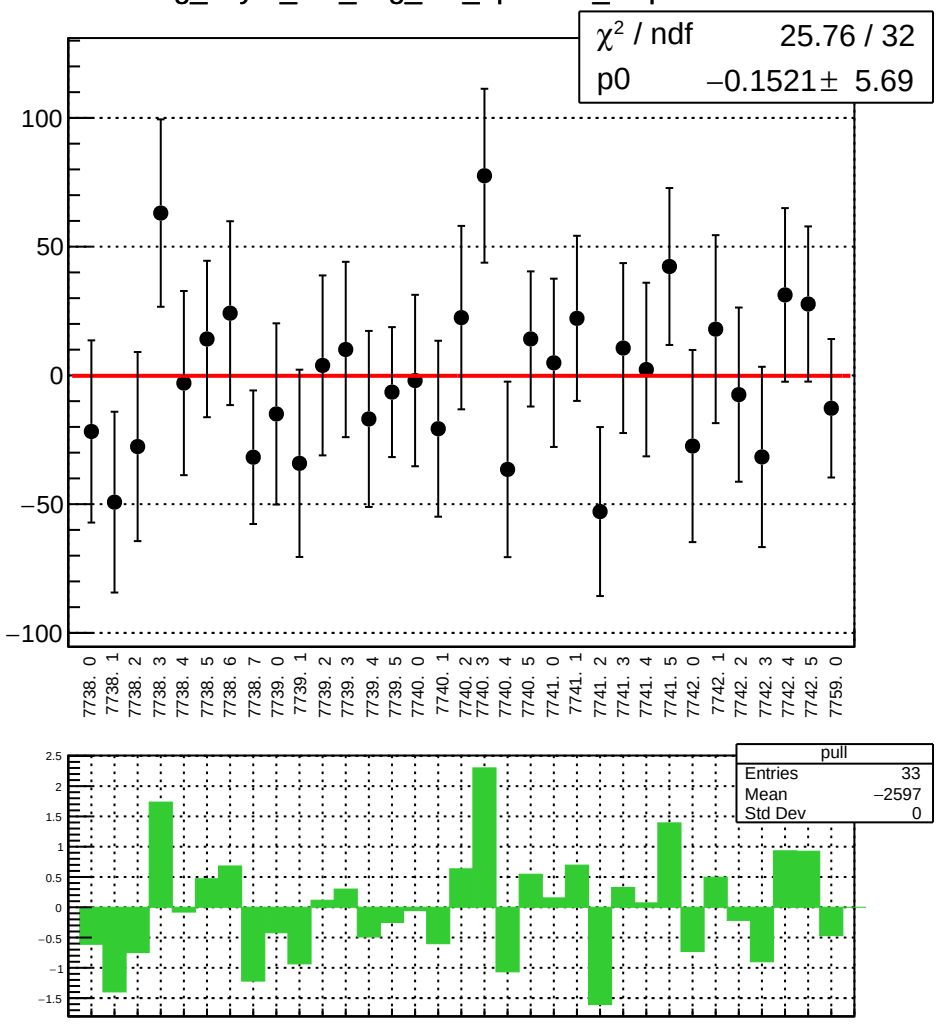

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 51.48 / 32
p0 −12.45 ± 2.584
pull
Entries 33
Mean −75.01
Std Dev 0

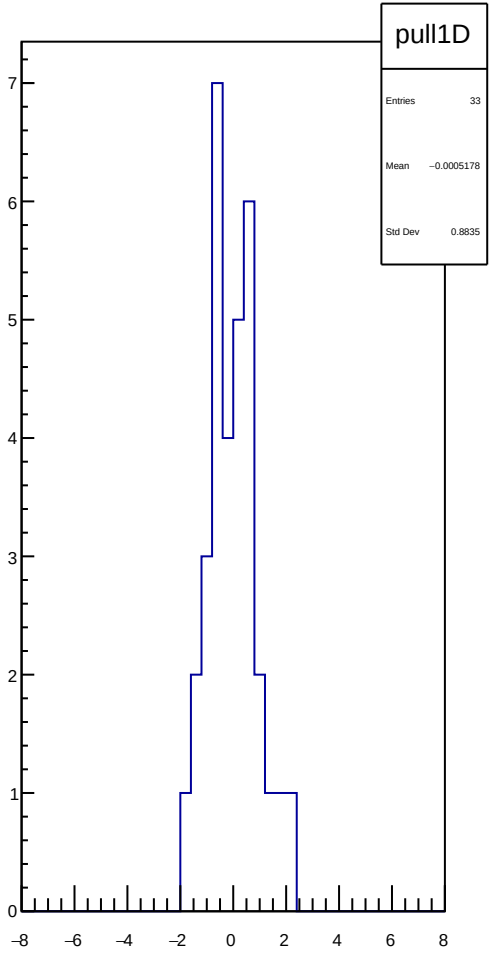

pull1D
Entries 33
Mean 0.04981
Std Dev 1.248

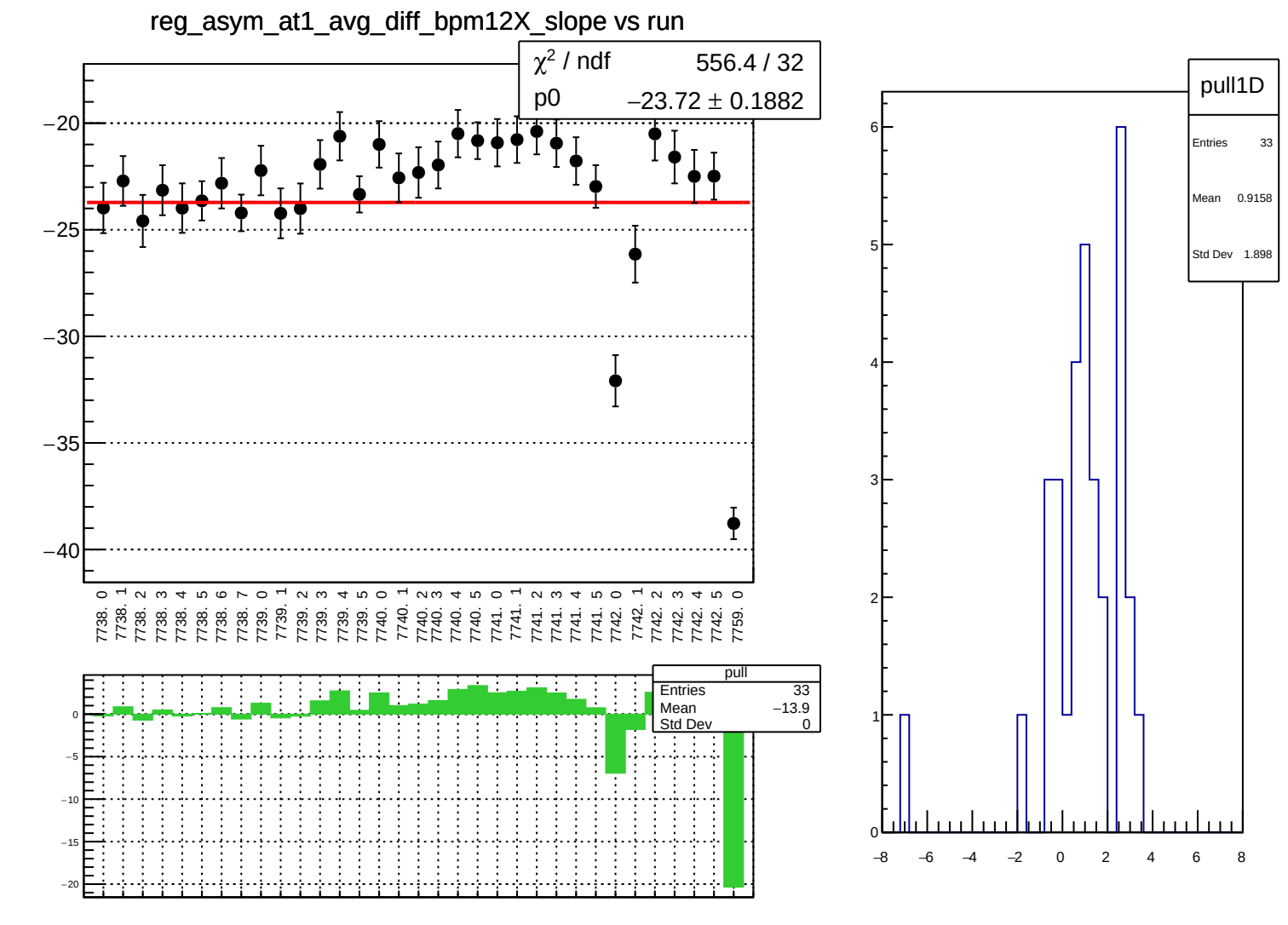

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.47 / 32
p0 5.83 ± 3.101
pull
Entries 33
Mean −172.4
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

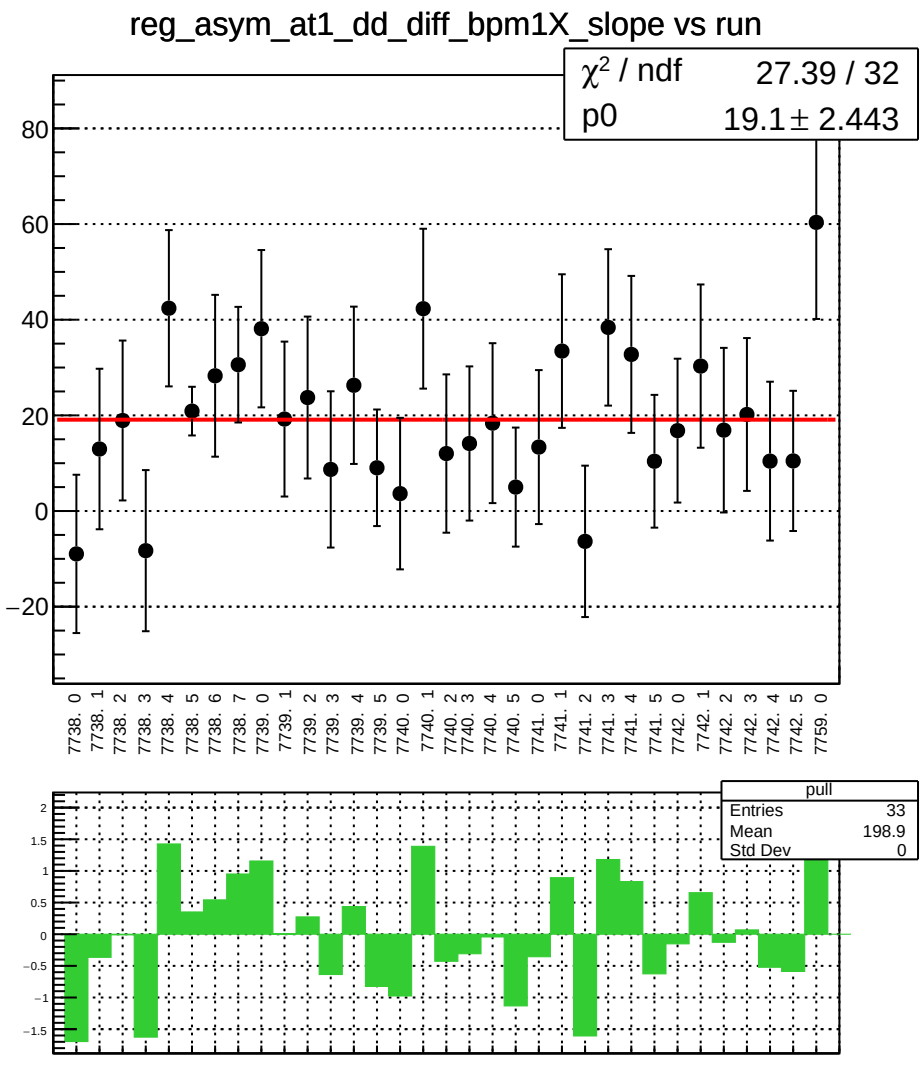

pull1D
Entries 33
Mean 0.008845
Std Dev 0.9124

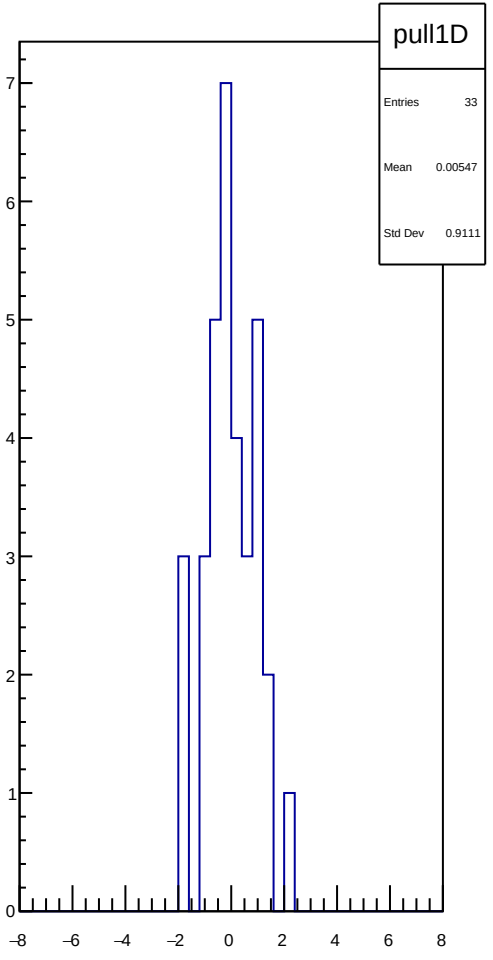

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.21 / 32
p0 3.592 ± 2.54
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −43.83
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.07577
Std Dev 1.279
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

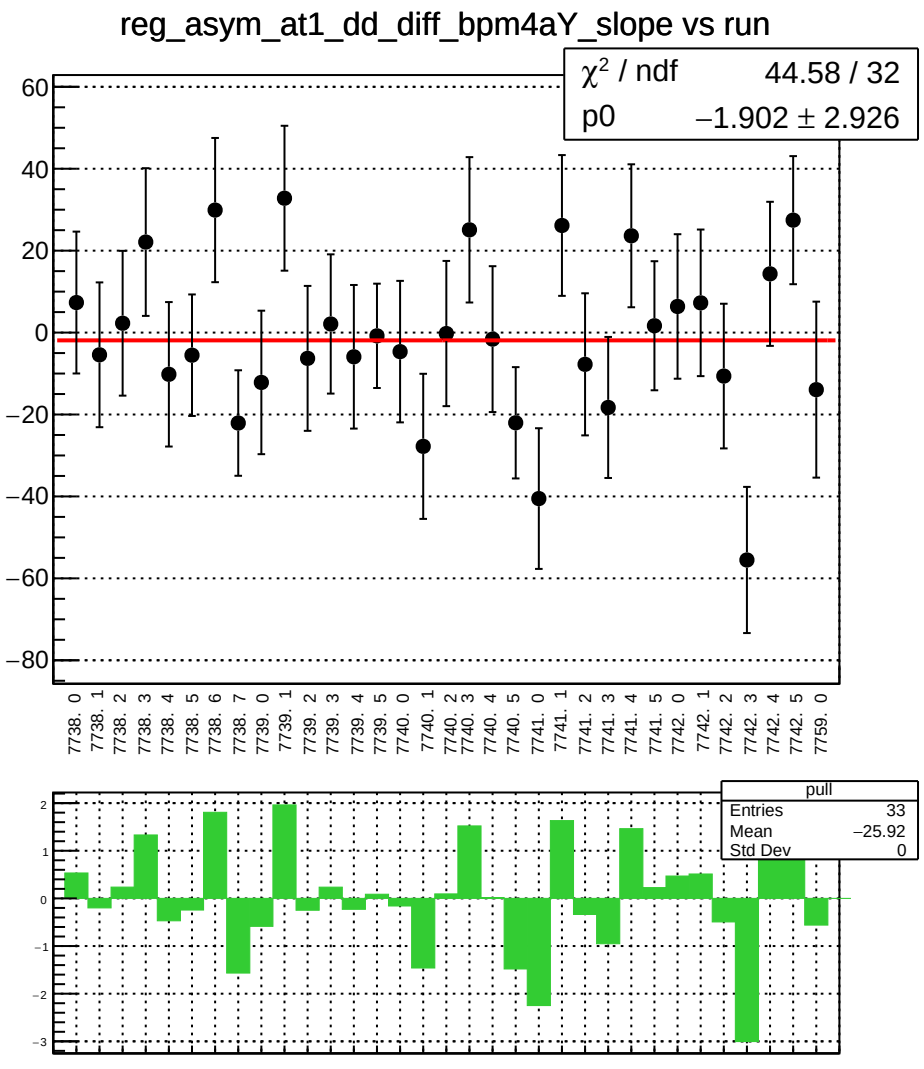

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.76 / 32
p0 −0.1521± 5.69
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2597
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

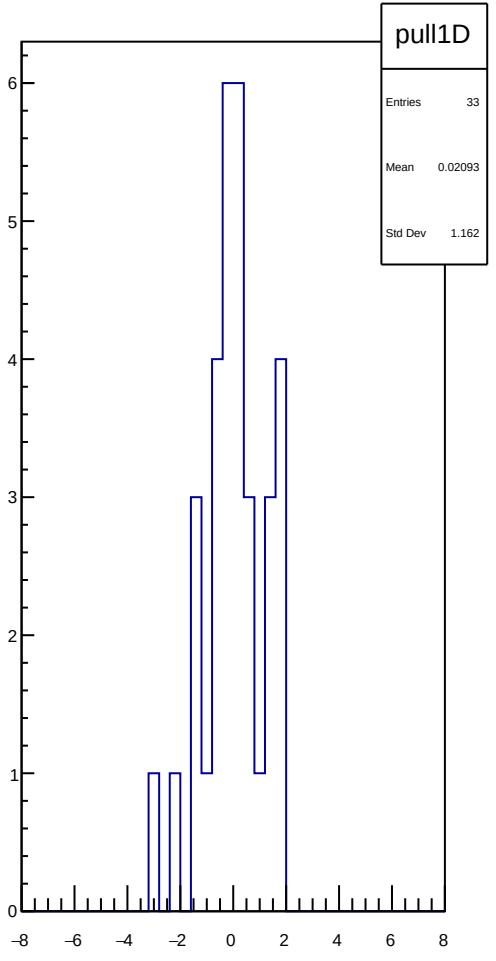

pull1D
Entries 33
Mean −0.0005178
Std Dev 0.8835
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

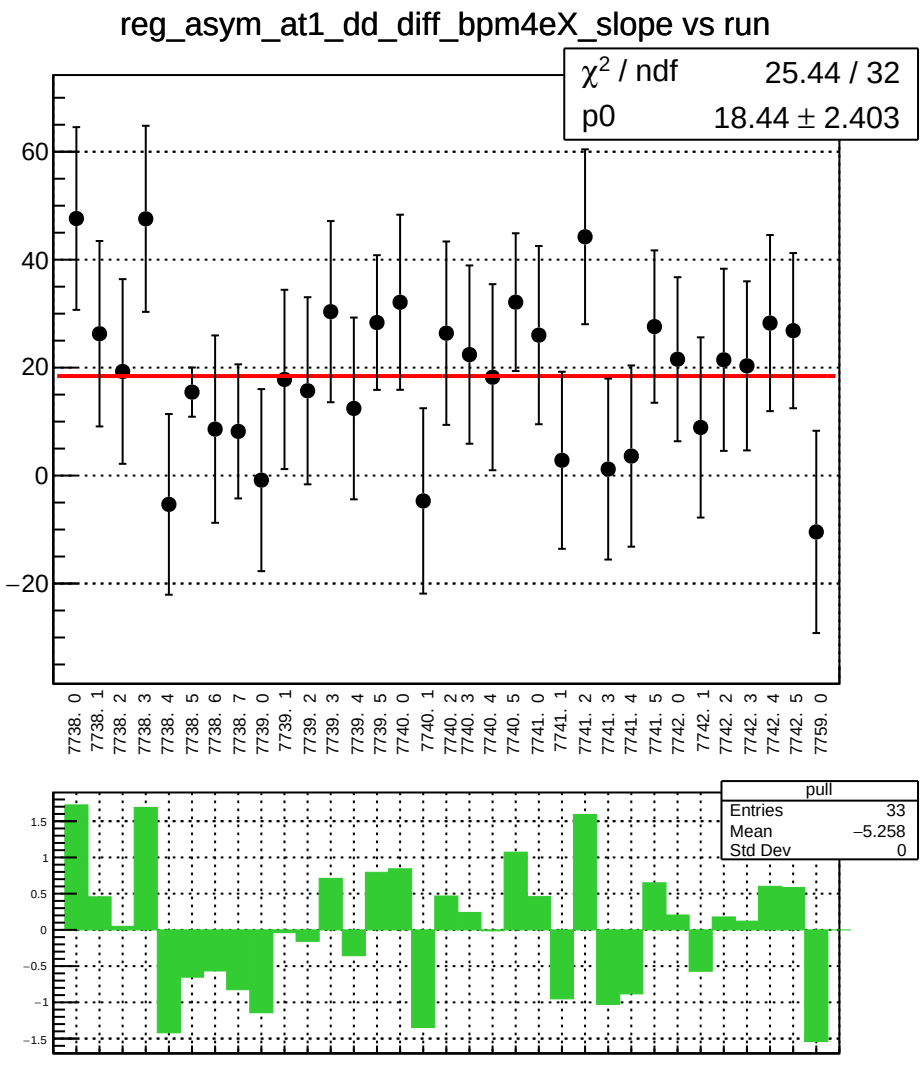

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 556.4 / 32
p0 −23.72 ± 0.1882
−20
−25
−30
−35
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.9
Std Dev 0
0
−5
−10
−15
−20
pull1D
Entries 33
Mean 0.9158
Std Dev 1.898
0
1
2
3
4
5
6
−8
−6
−4
−2
0
2
4
6
8

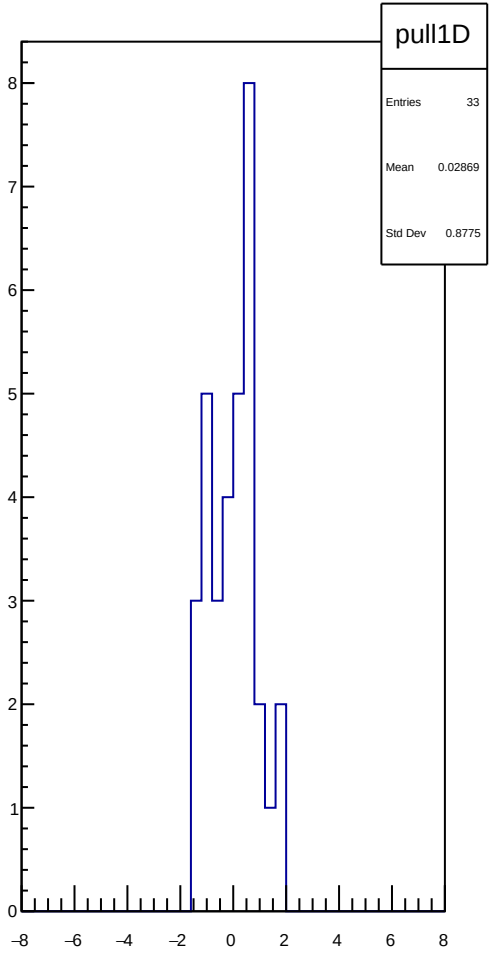

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 27.39 / 32
p0 19.1 ± 2.443
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 198.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

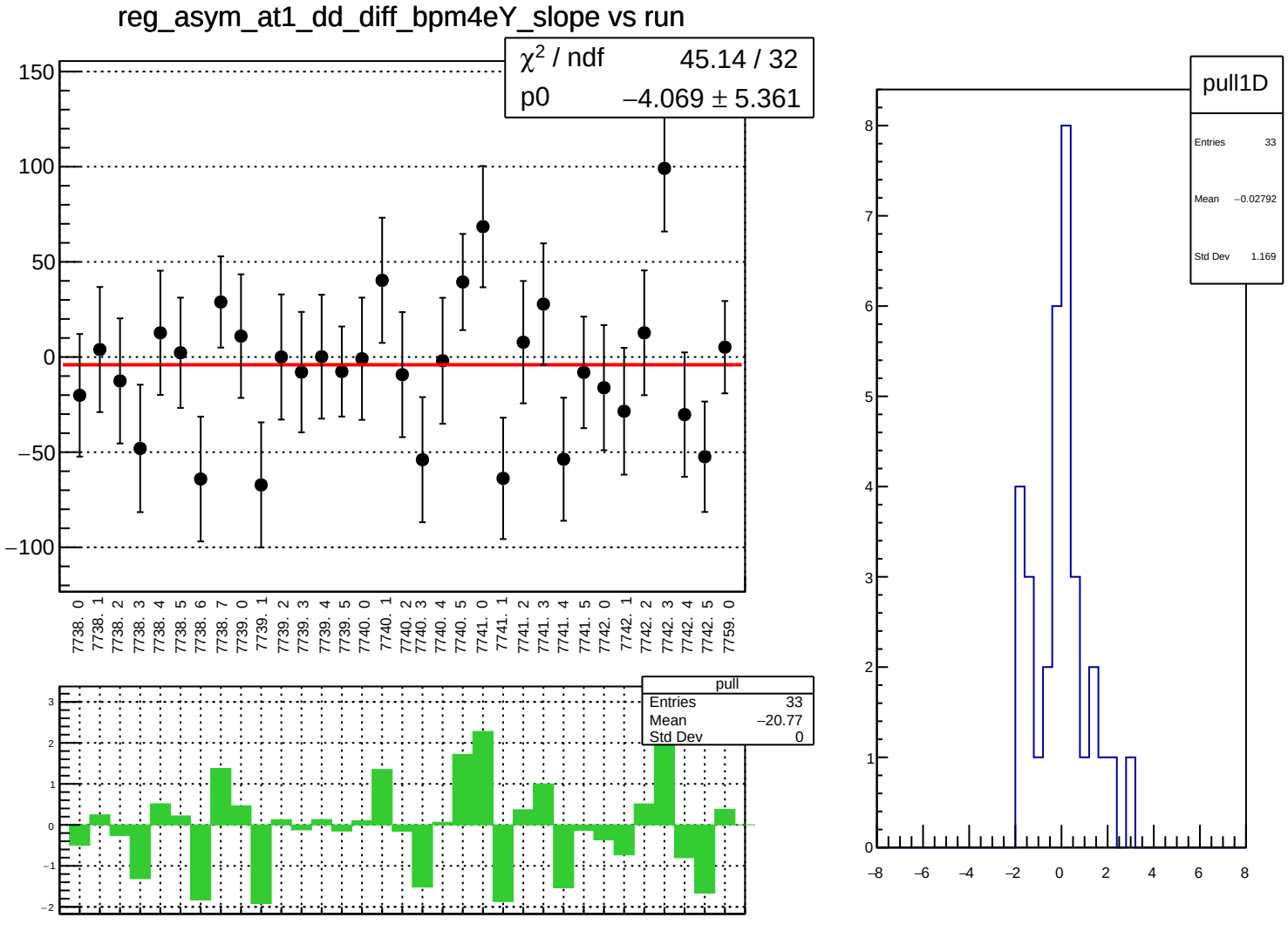

pull1D
Entries 33
Mean 0.00547
Std Dev 0.9111
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

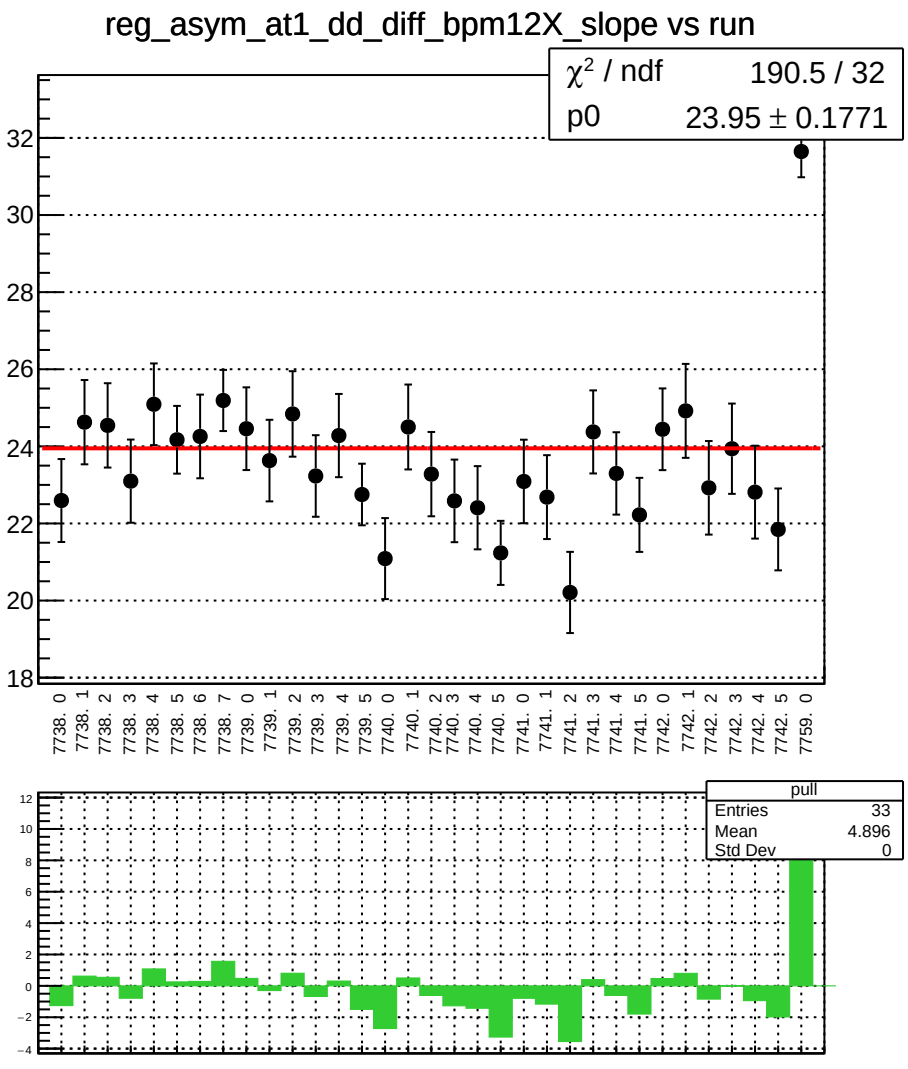

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.58 / 32
p0 −1.902 ± 2.926
pull
Entries 33
Mean −25.92
Std Dev 0

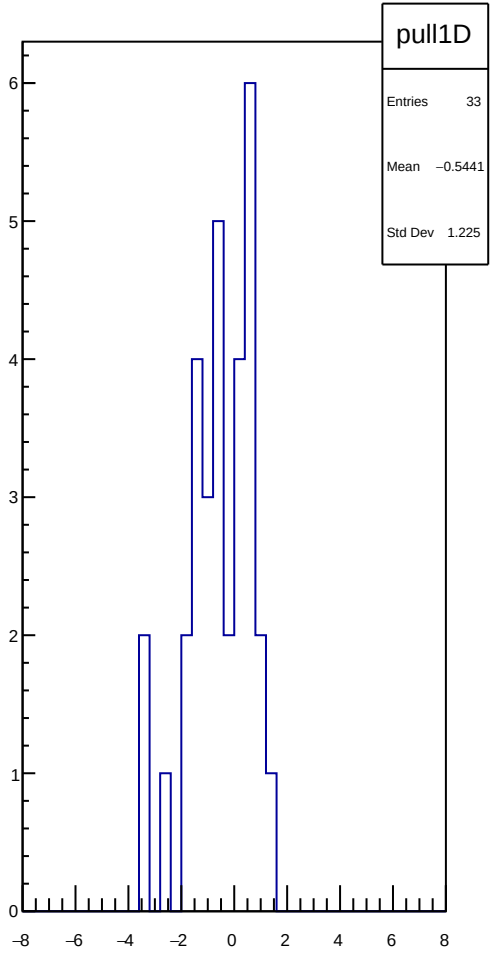

pull1D
Entries 33
Mean 0.02093
Std Dev 1.162

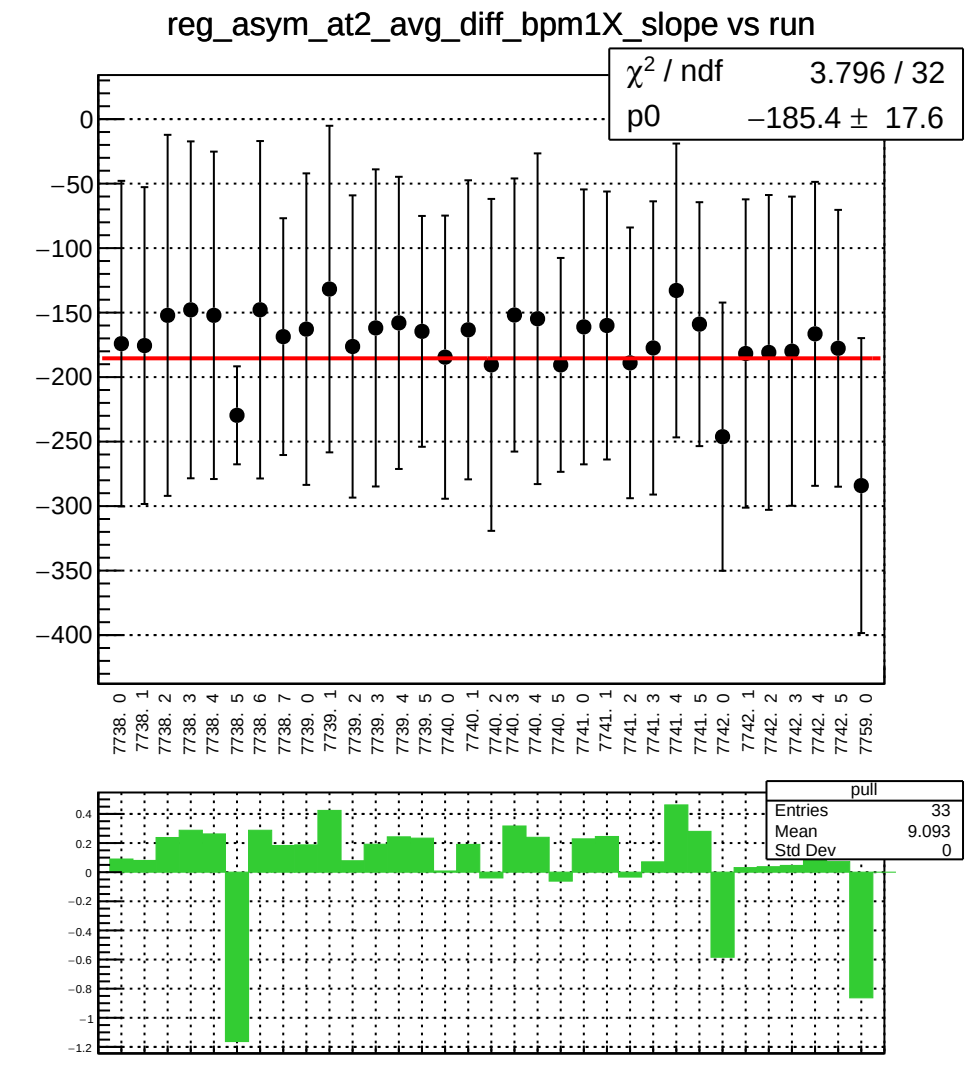

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.44 / 32
p0 18.44 ± 2.403
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −5.258
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

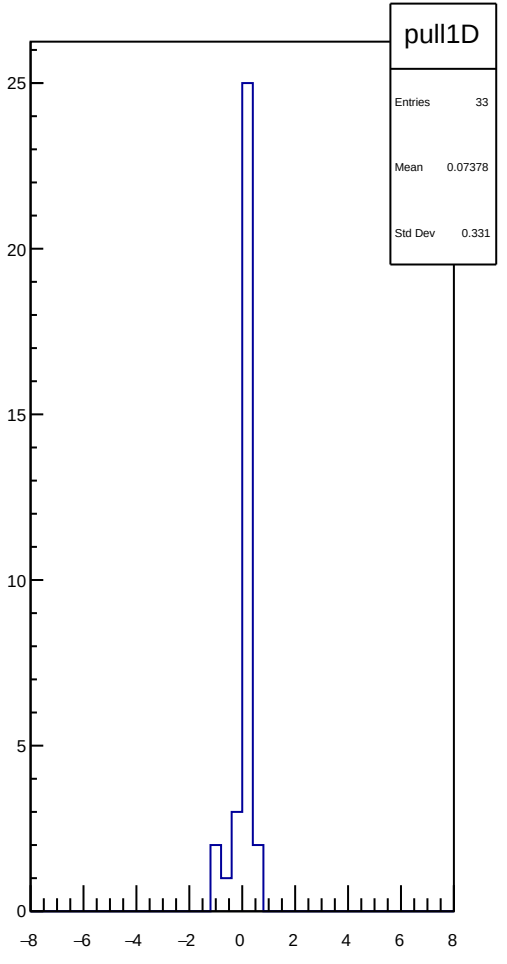

pull1D
Entries 33
Mean 0.02869
Std Dev 0.8775
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

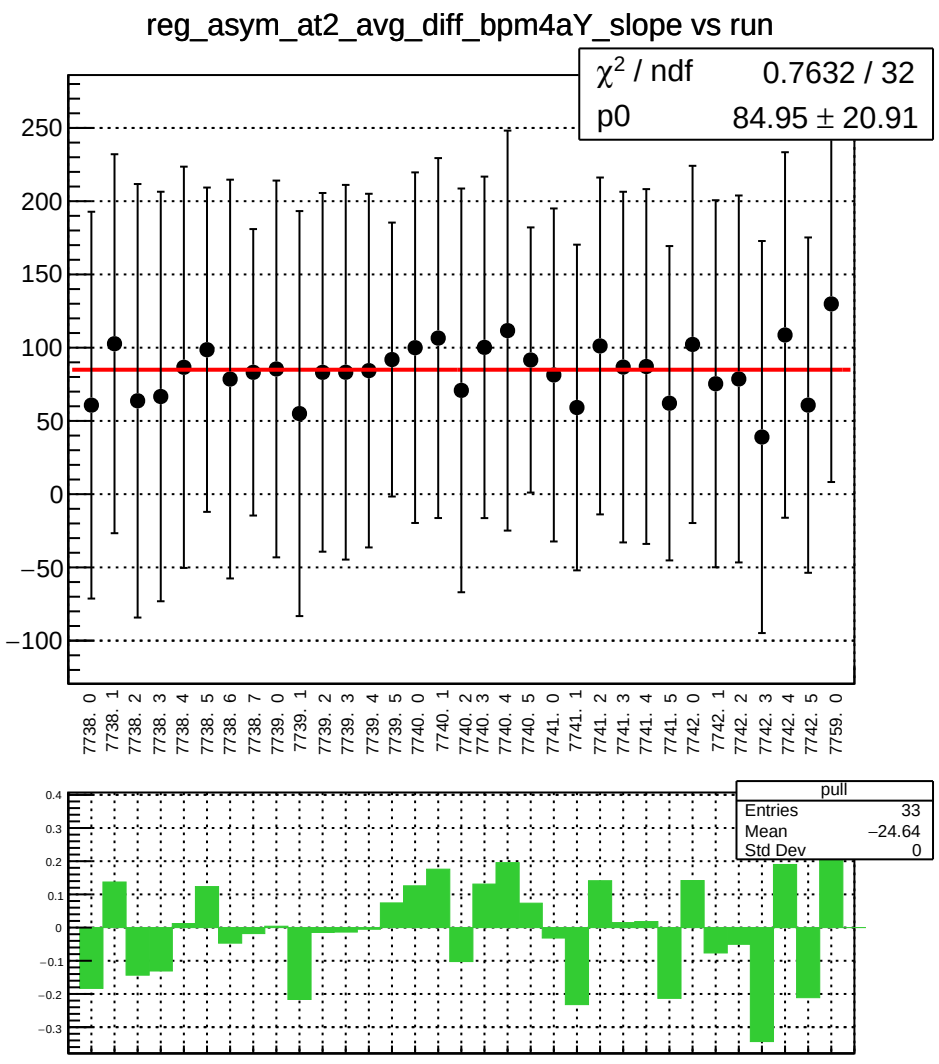

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.14 / 32
p0 −4.069 ± 5.361
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.77
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.02792
Std Dev 1.169
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

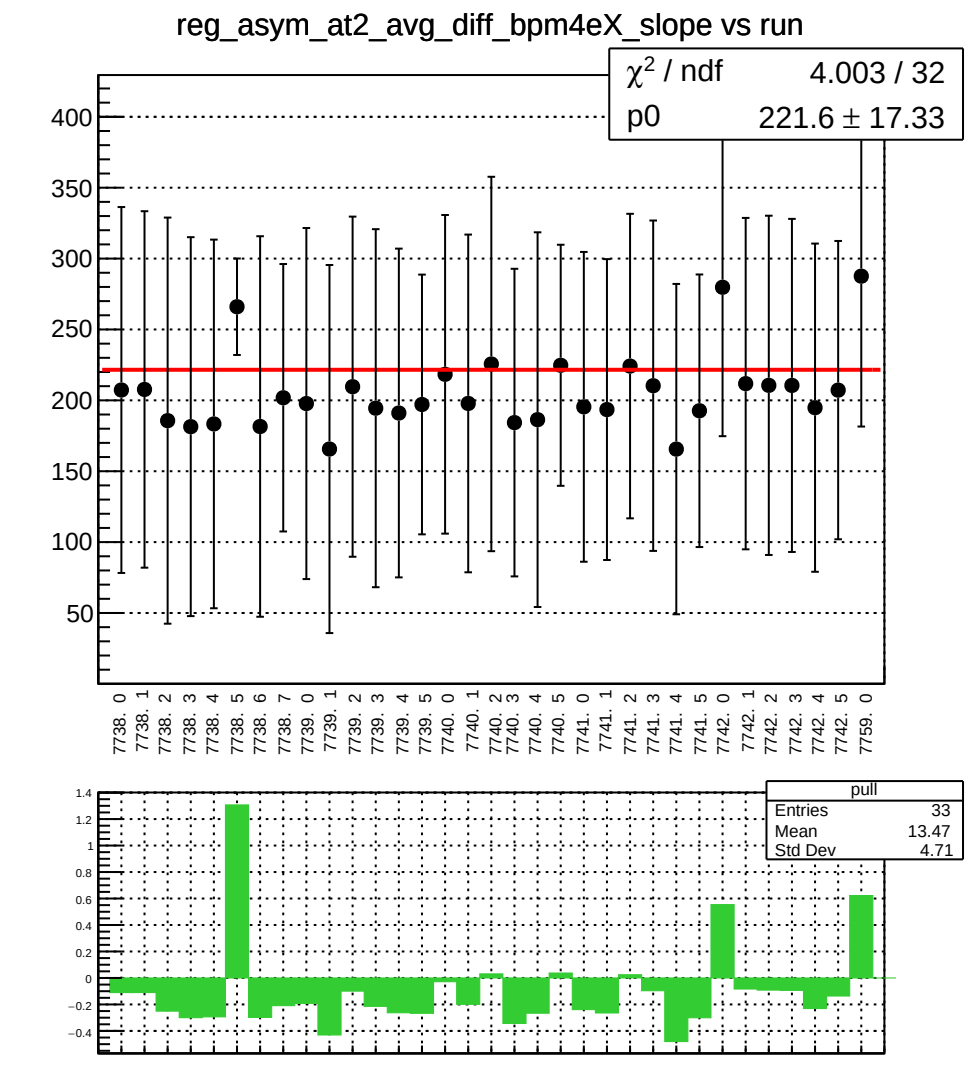

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 190.5 / 32
p0 23.95 ± 0.1771
32
30
28
26
24
22
20
18
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.896
Std Dev 0
12
10
8
6
4
2
0
−2
−4

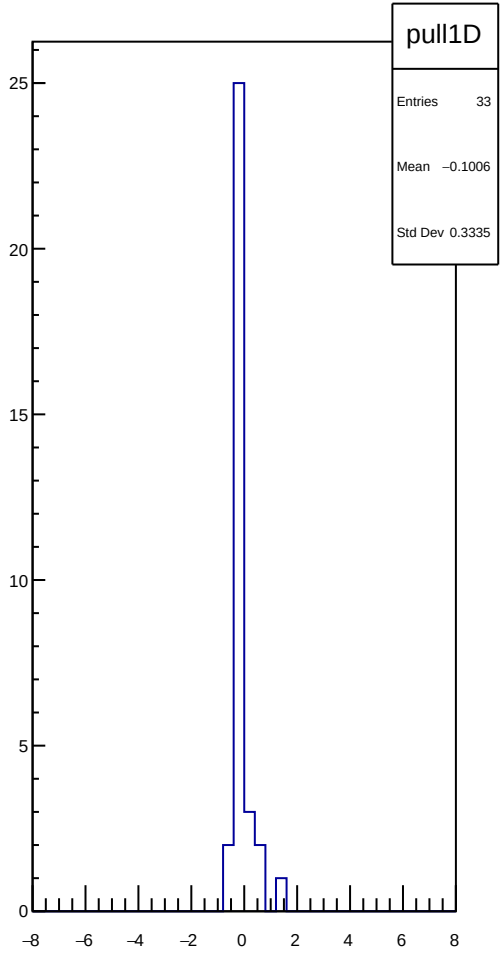

pull1D
Entries 33
Mean −0.5441
Std Dev 1.225
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

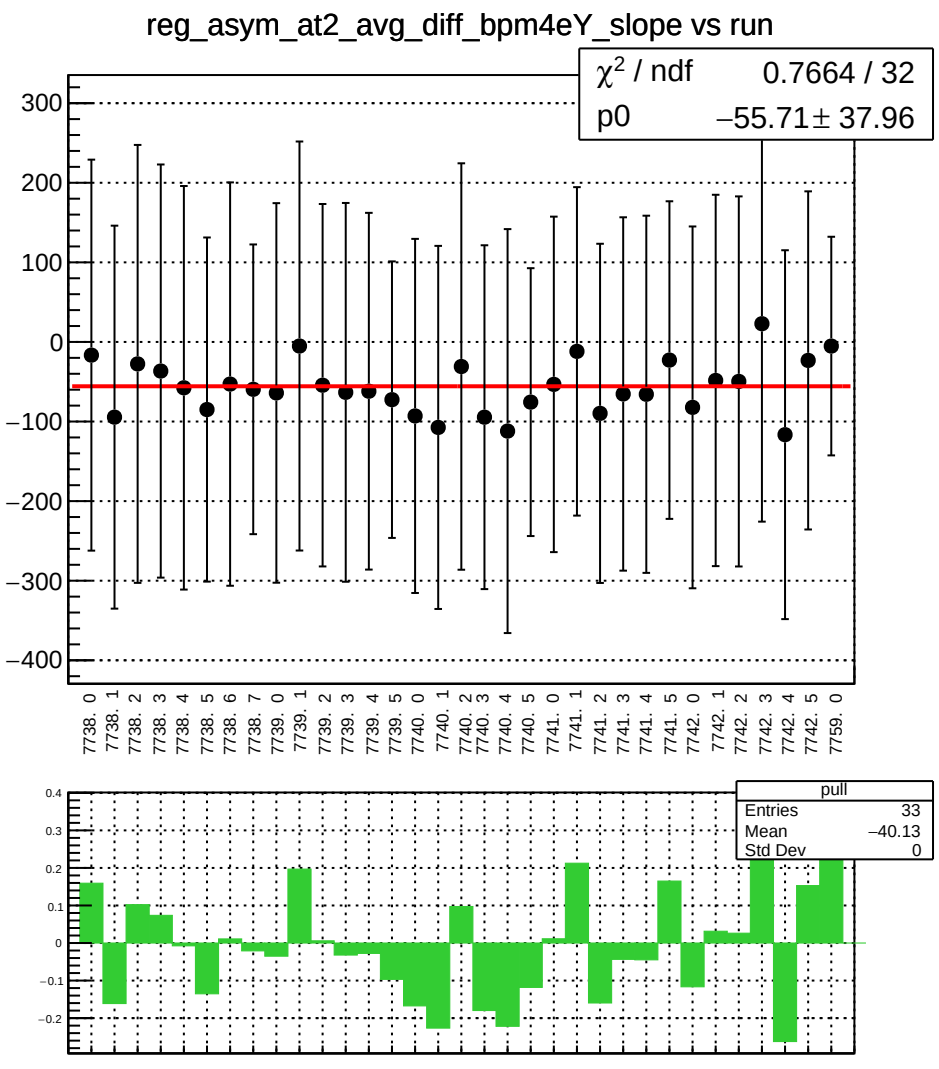

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 3.796 / 32
p0 −185.4 ± 17.6
0
−50
−100
−150
−200
−250
−300
−350
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.093
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

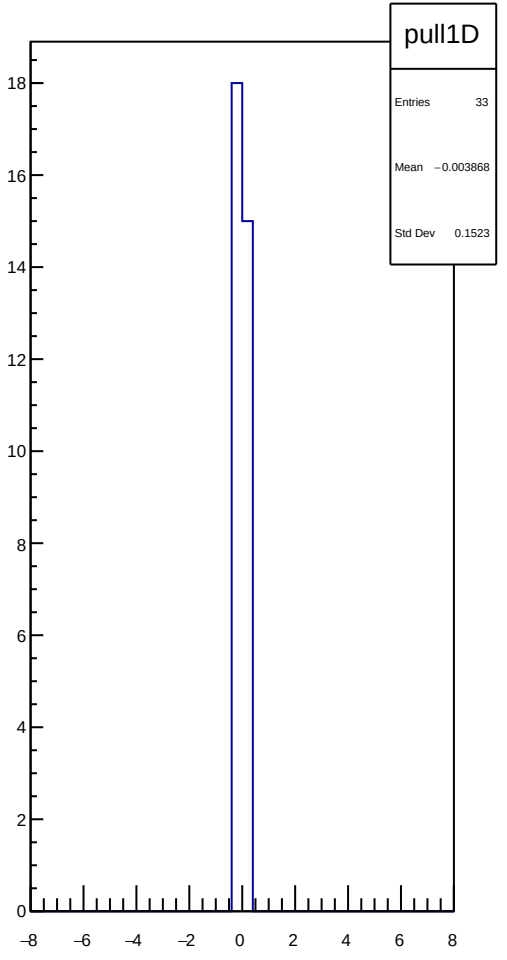

pull1D
Entries 33
Mean 0.07378
Std Dev 0.331
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

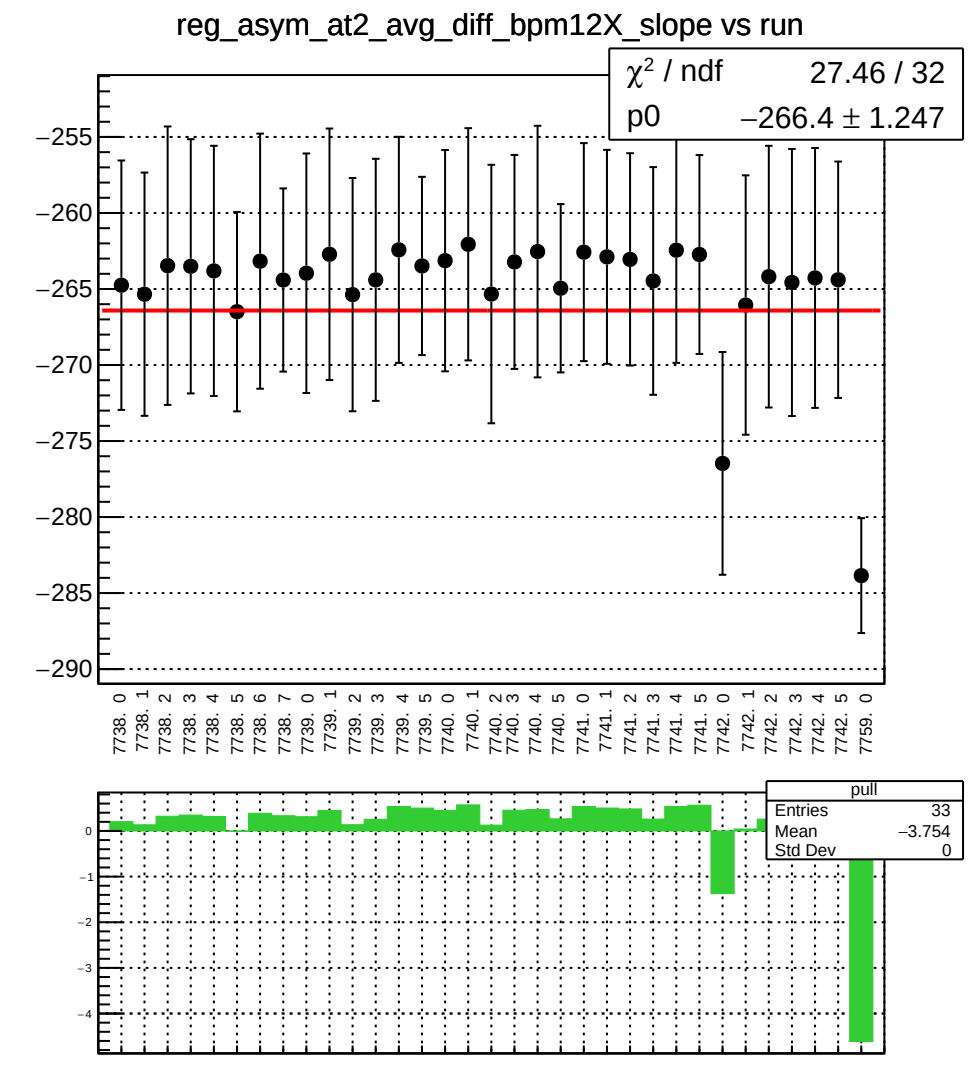

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.7632 / 32
p0 84.95 ± 20.91
250
200
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.64
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −0.00314
Std Dev 0.152
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

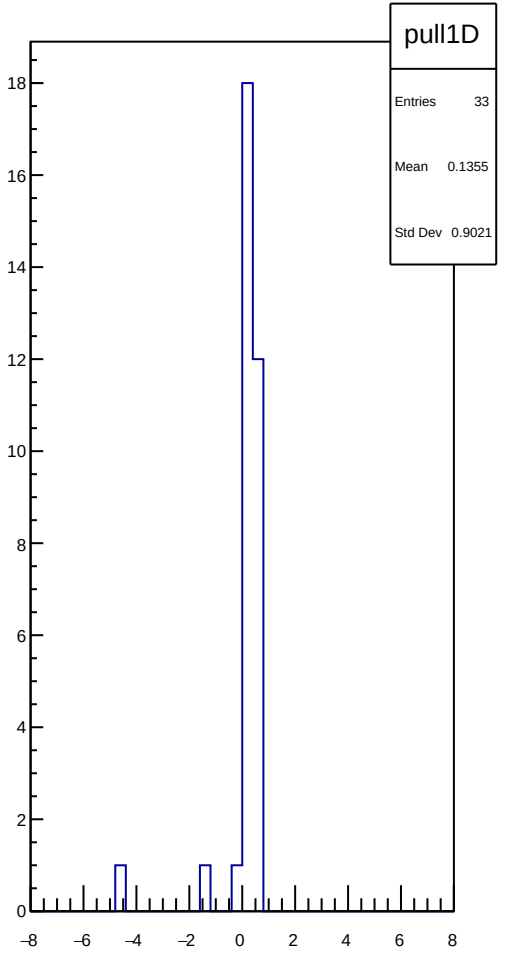

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.003 / 32
p0 221.6 ± 17.33
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.47
Std Dev 4.71
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

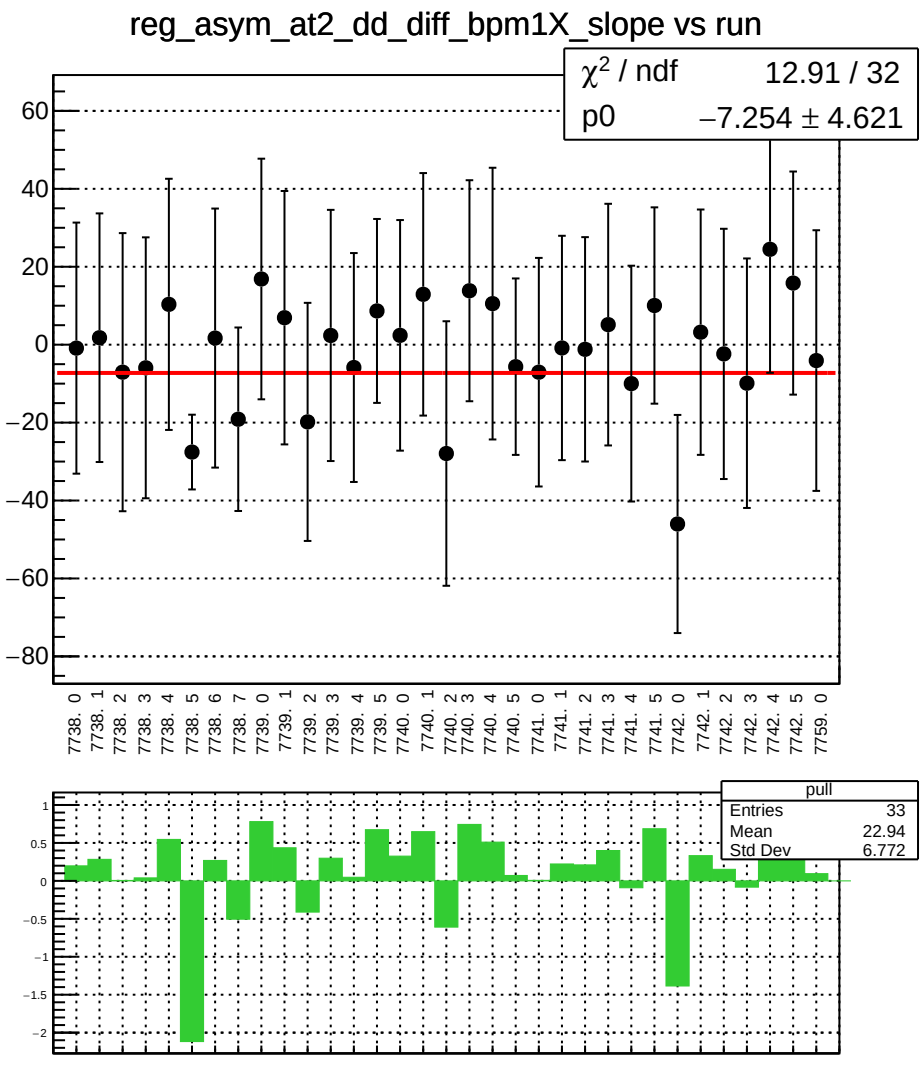

pull1D
Entries 33
Mean −0.1006
Std Dev 0.3335
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

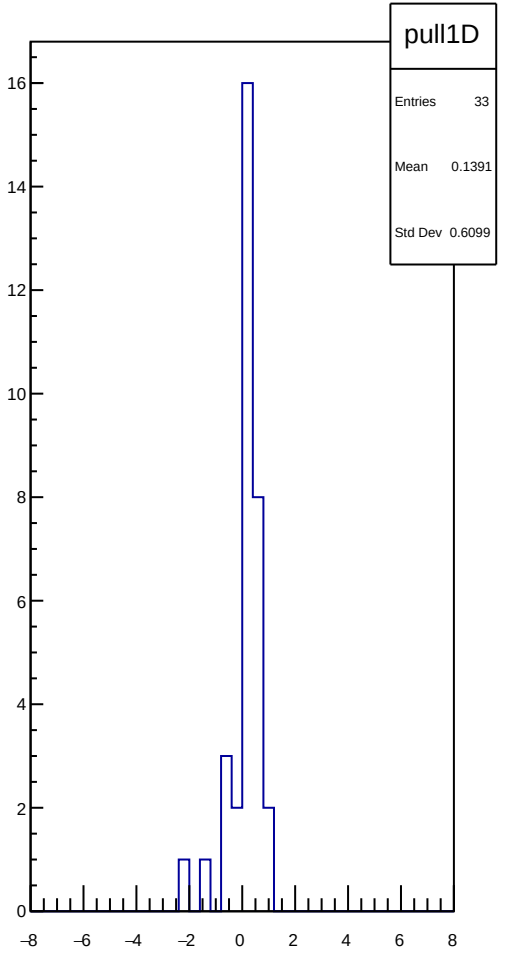

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.7664 / 32
p0 −55.71± 37.96
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −40.13
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2

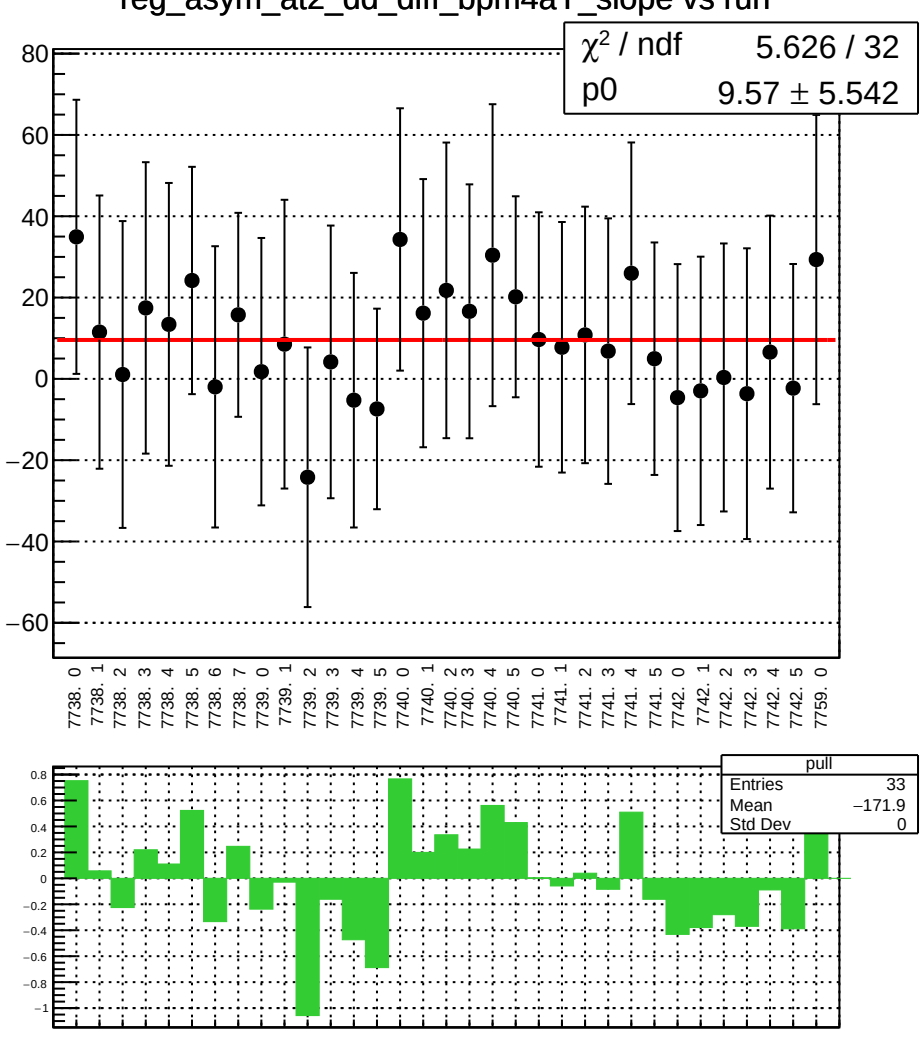

pull1D
Entries 33
Mean −0.003868
Std Dev 0.1523
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

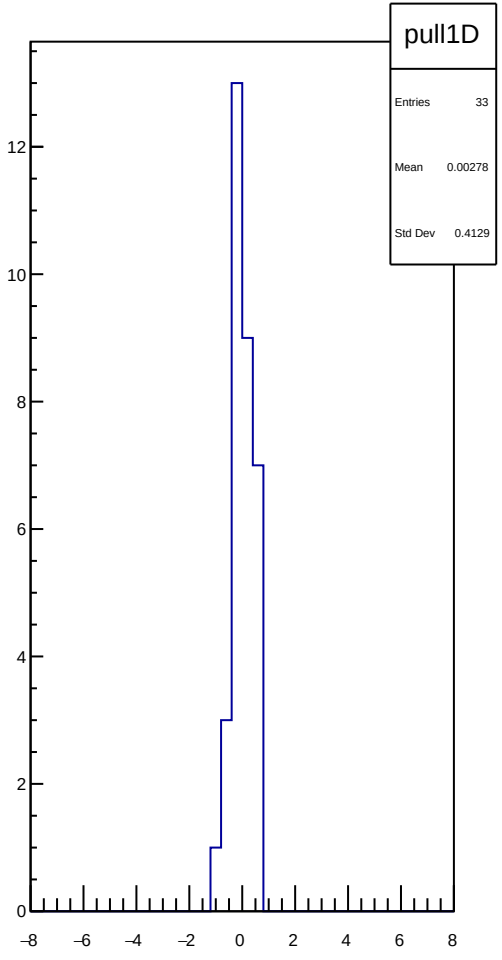

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 27.46 / 32
p0 −266.4 ± 1.247
−255
−260
−265
−270
−275
−280
−285
−290
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.754
Std Dev 0
0
−1
−2
−3
−4

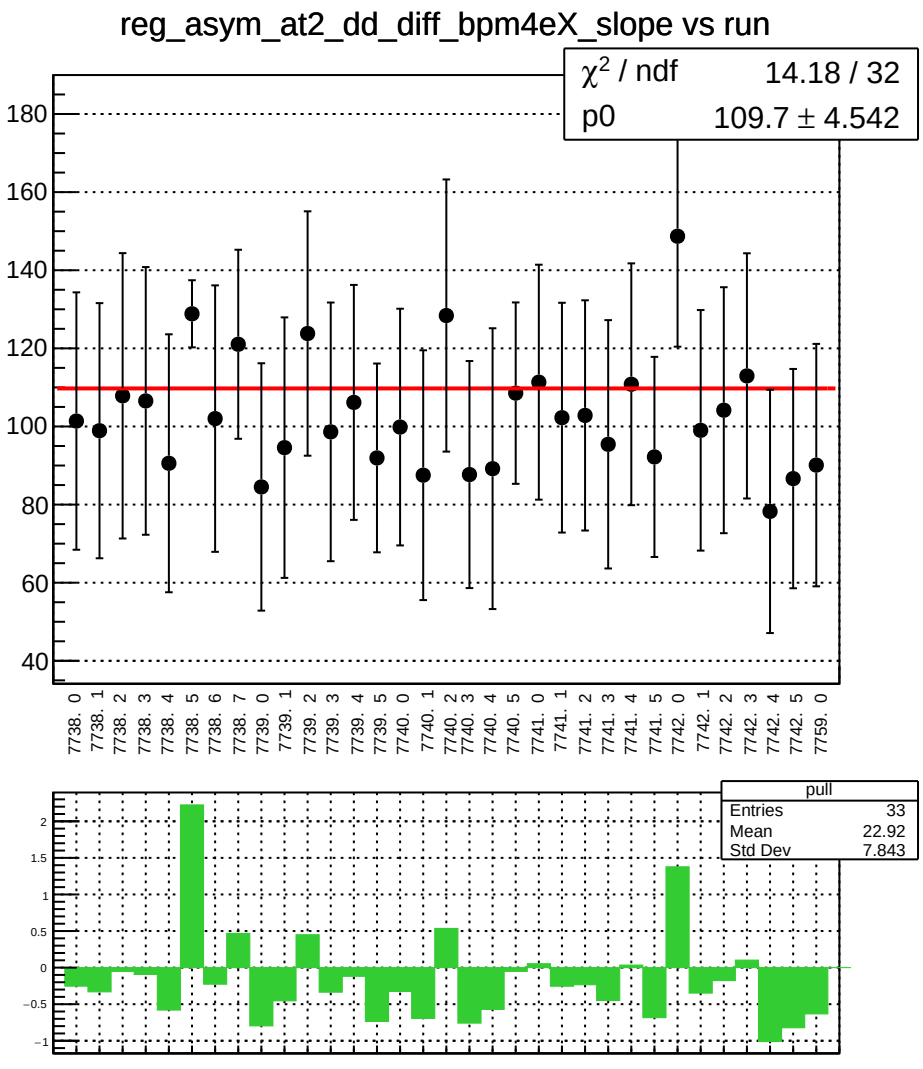

pull1D
Entries 33
Mean 0.1355
Std Dev 0.9021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

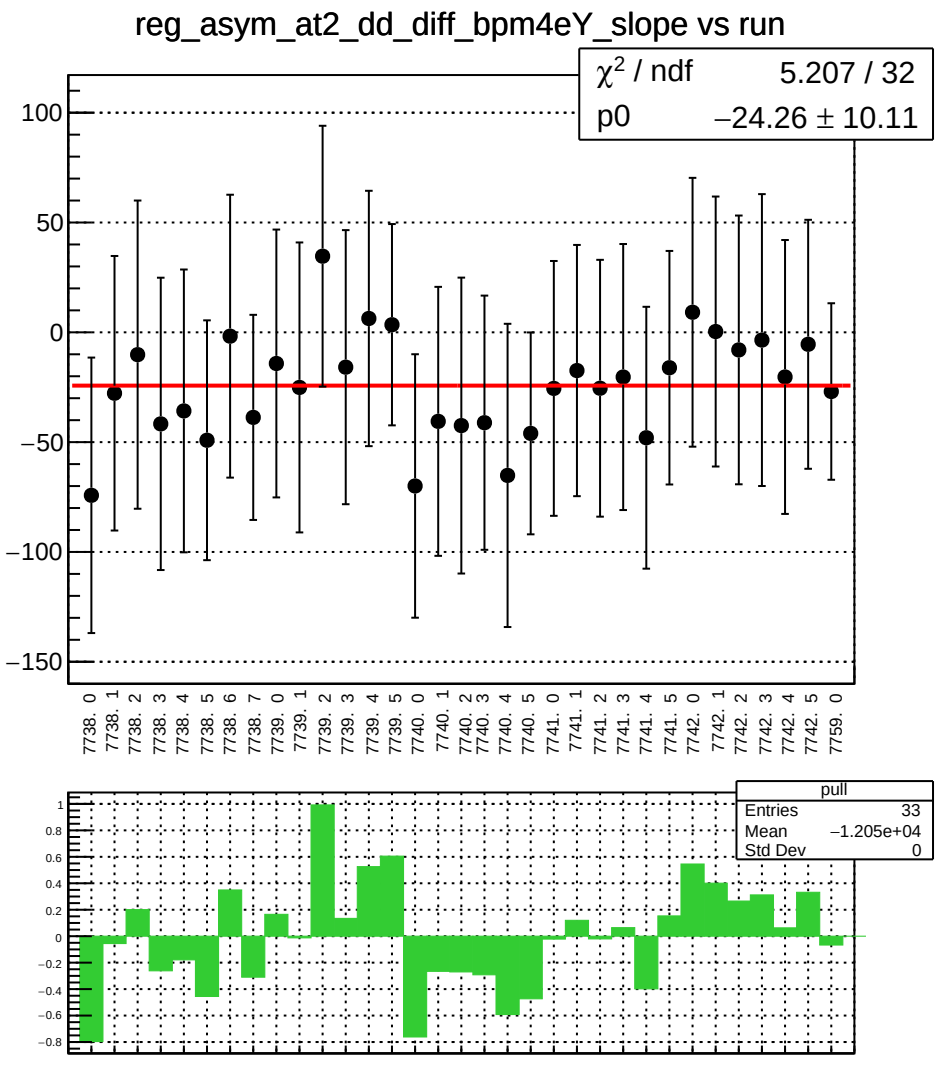

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 12.91 / 32
p0 −7.254 ± 4.621
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.94
Std Dev 6.772
1
0.5
0
−0.5
−1
−1.5
−2

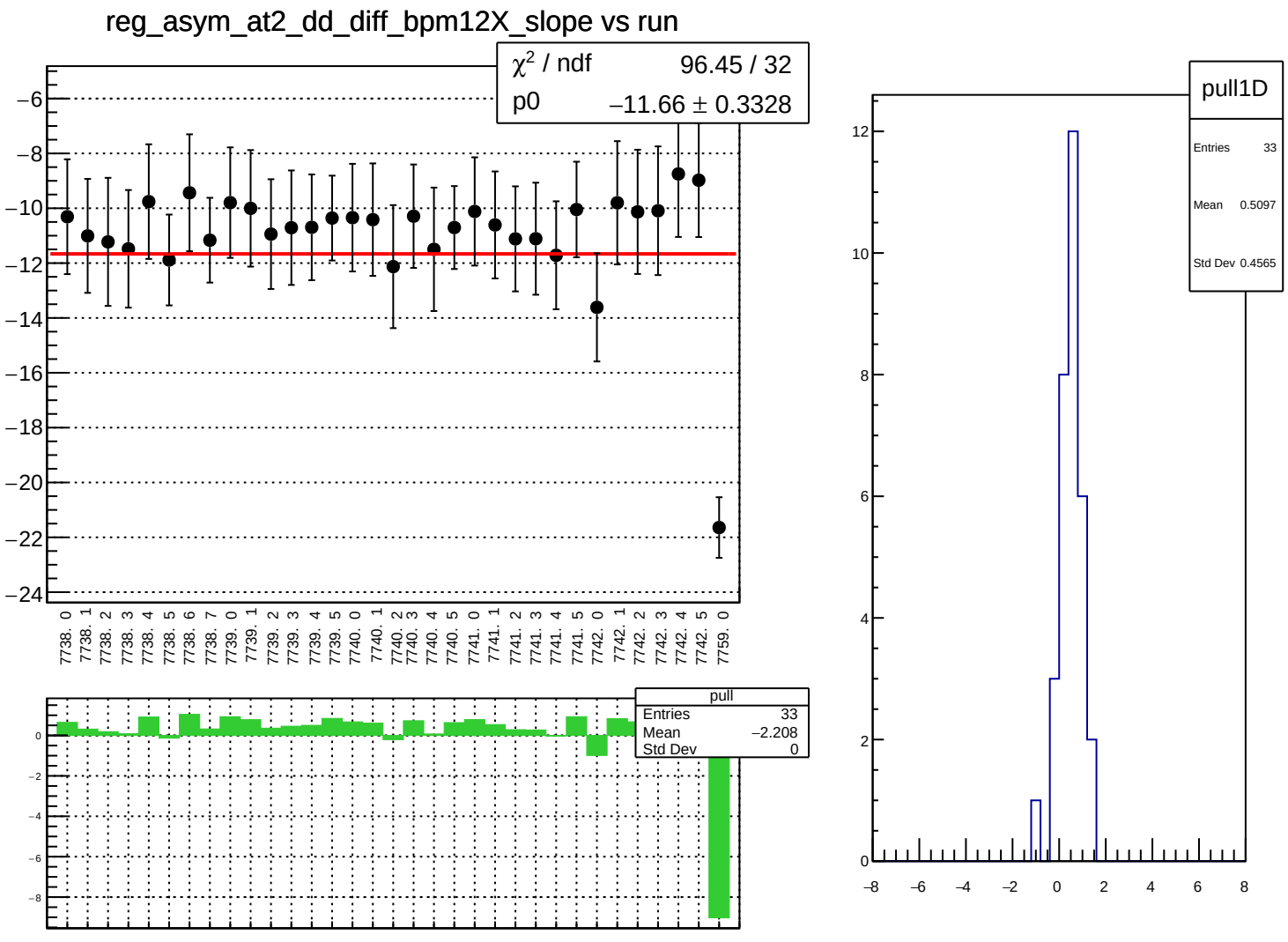

pull1D
Entries 33
Mean 0.1391
Std Dev 0.6099
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

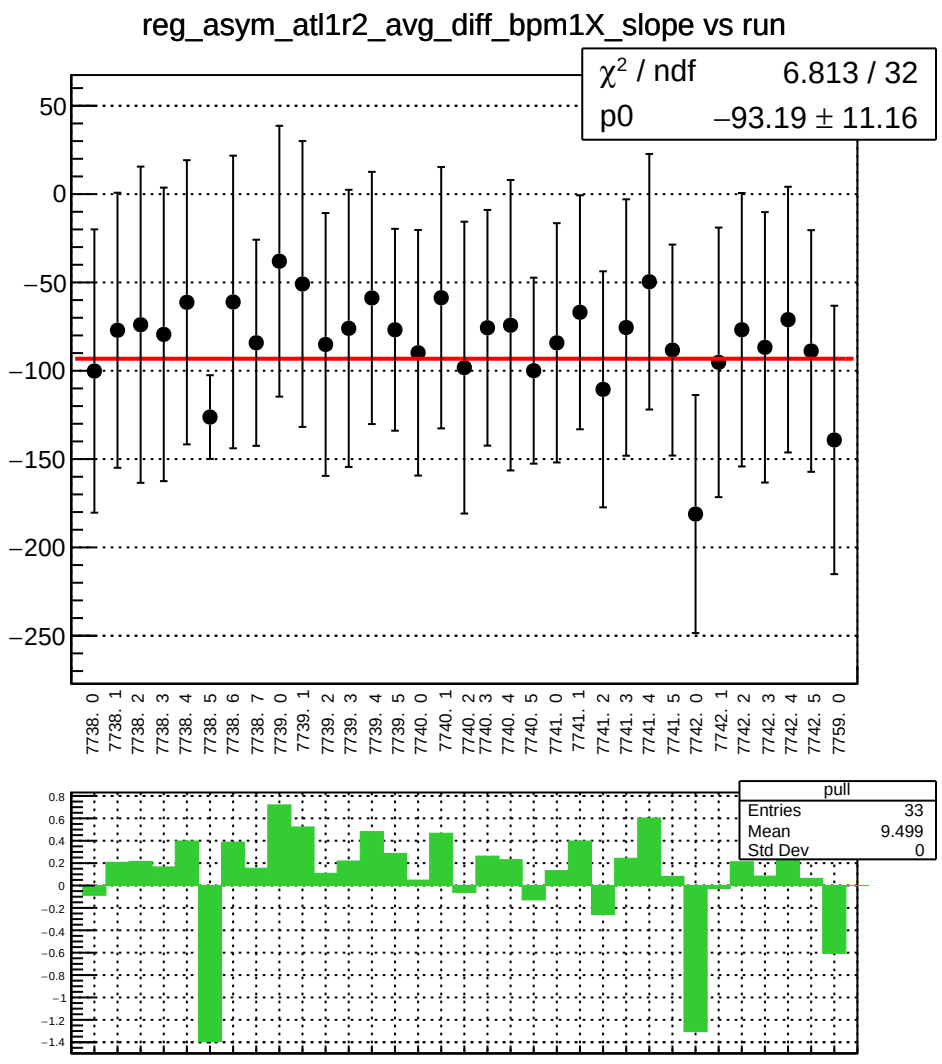

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.626 / 32
p0 9.57 ± 5.542
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −171.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

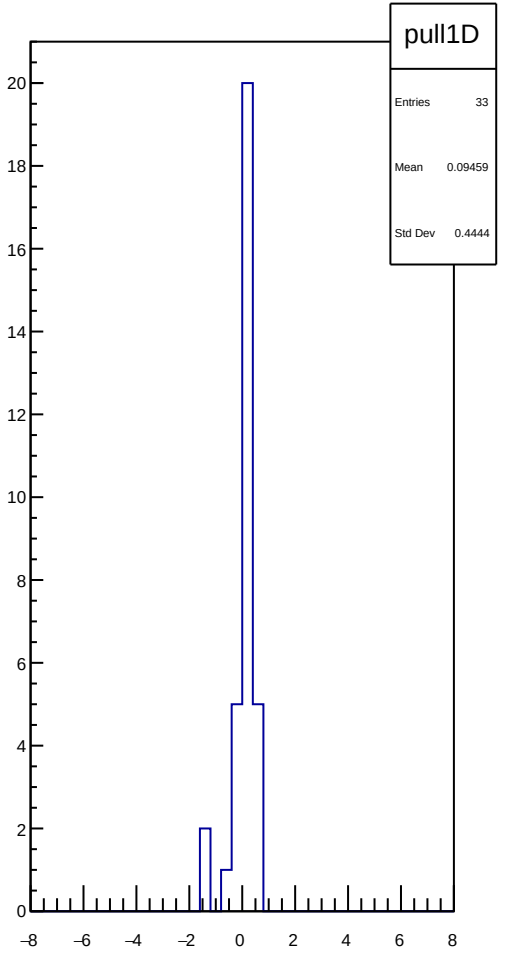

pull1D
Entries 33
Mean 0.00278
Std Dev 0.4129
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

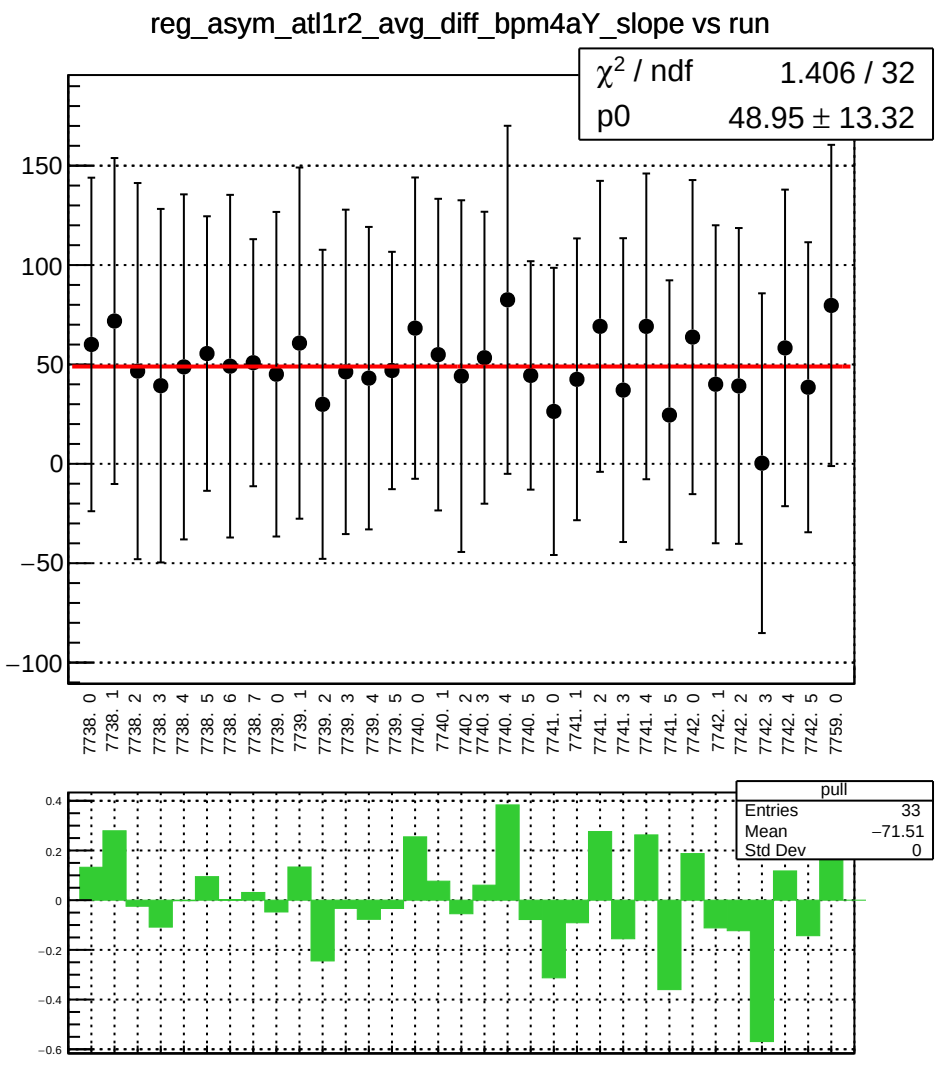

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.18 / 32
p0 109.7 ± 4.542
180
160
140
120
100
80
60
40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.92
Std Dev 7.843
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.1742
Std Dev 0.632
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

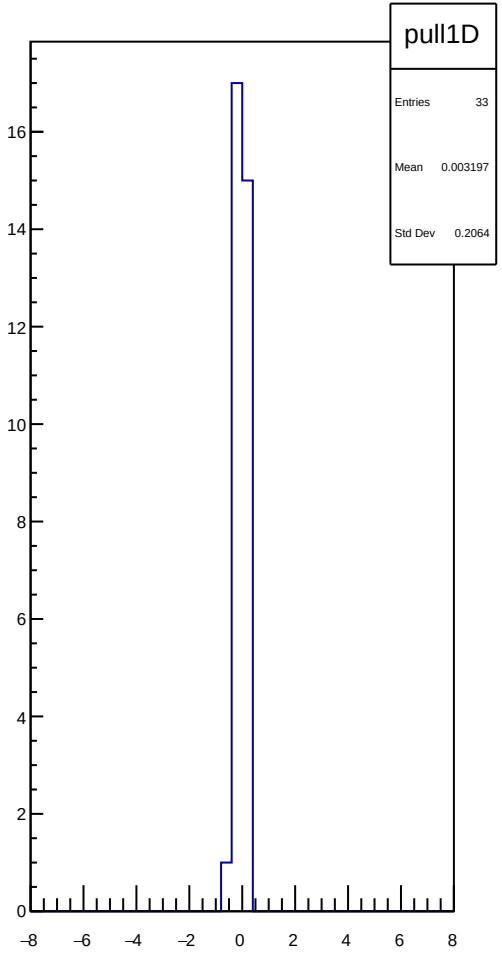

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.207 / 32
p0 −24.26 ± 10.11
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.205e+04
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −7.2e−05
Std Dev 0.3972
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

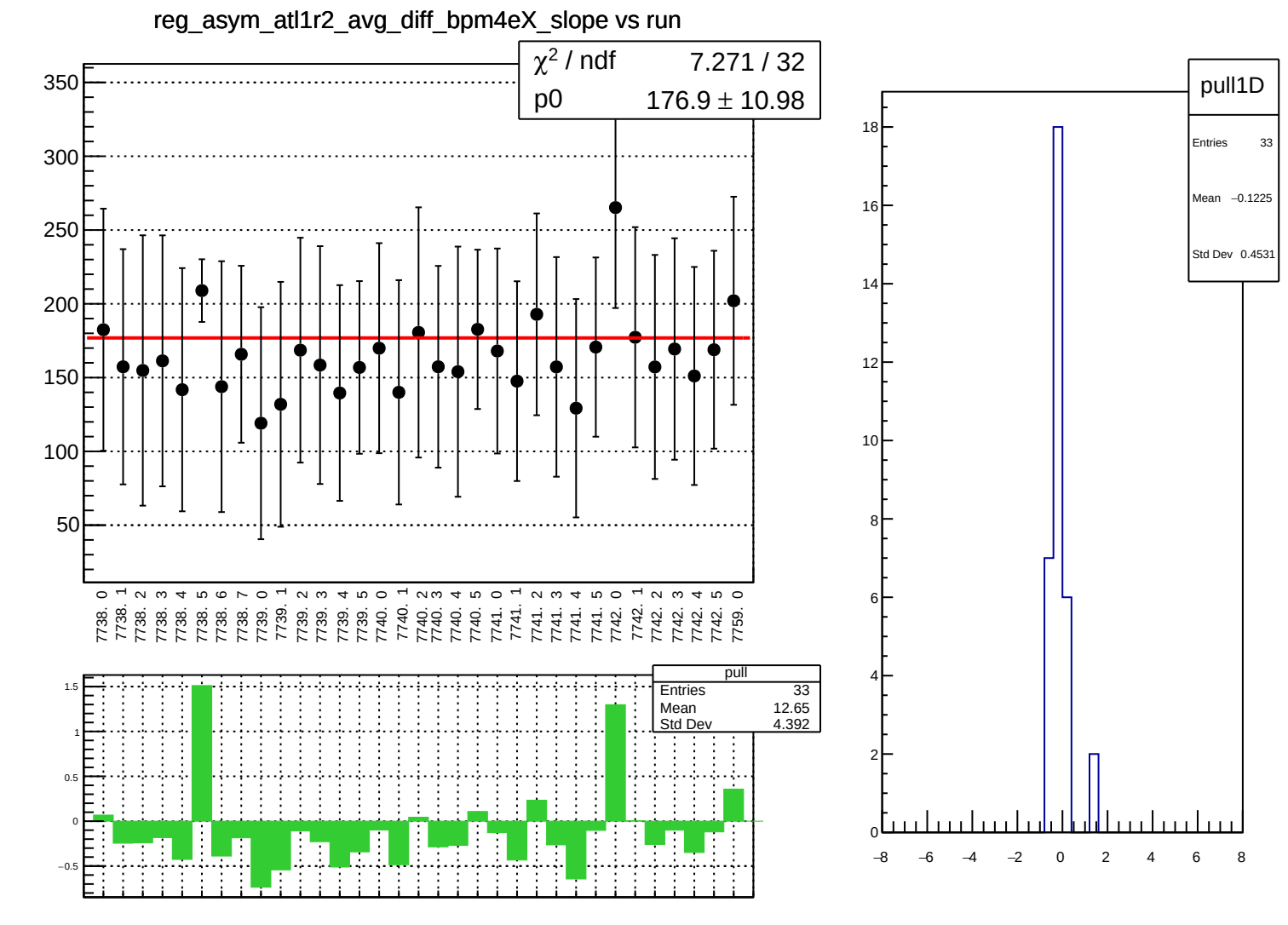

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 96.45 / 32
p0 −11.66 ± 0.3328
−6
−8
−10
−12
−14
−16
−18
−20
−22
−24
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.208
Std Dev 0
pull1D
Entries 33
Mean 0.5097
Std Dev 0.4565

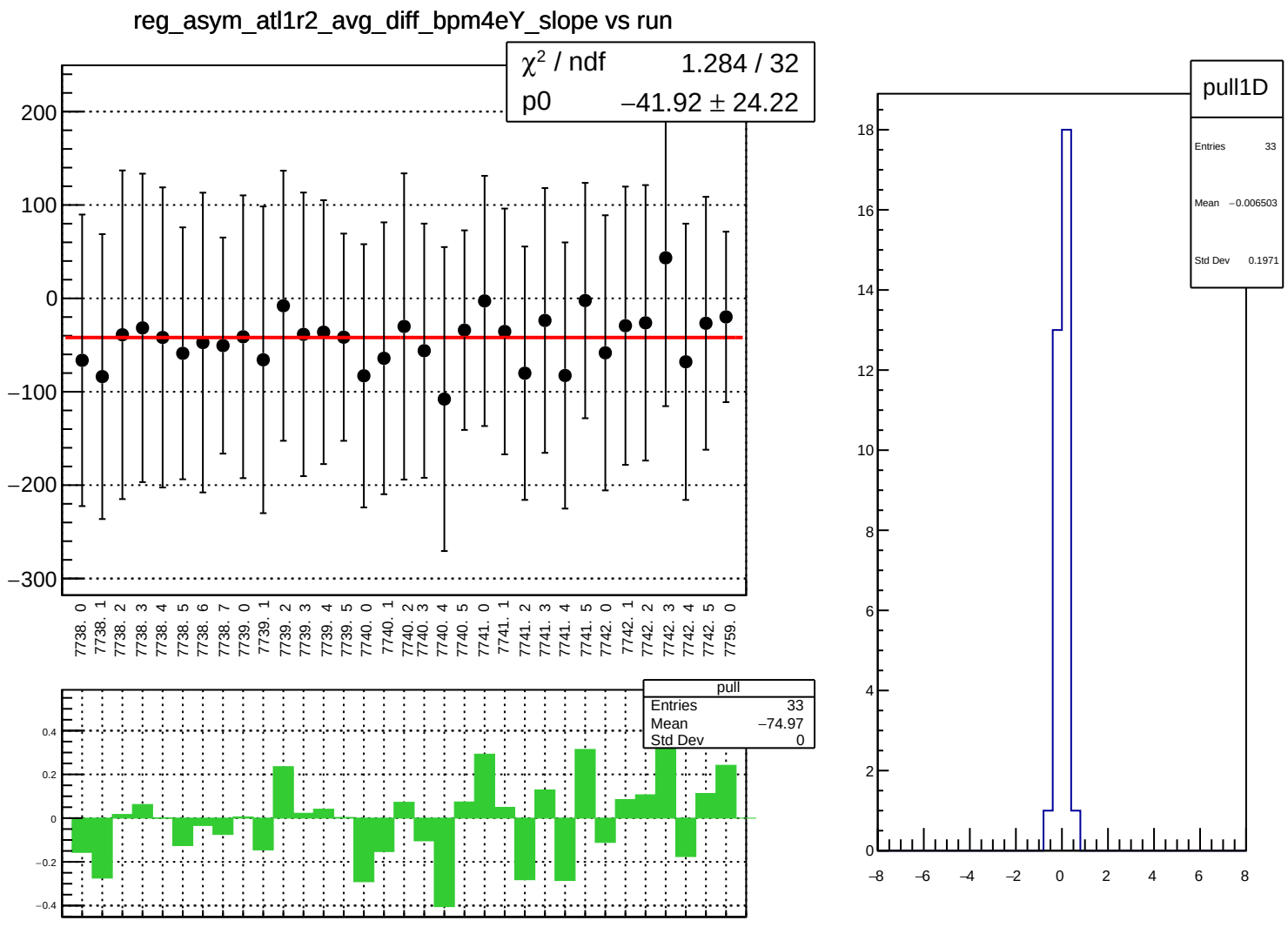

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 6.813 / 32
p0 −93.19 ± 11.16
50
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.499
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

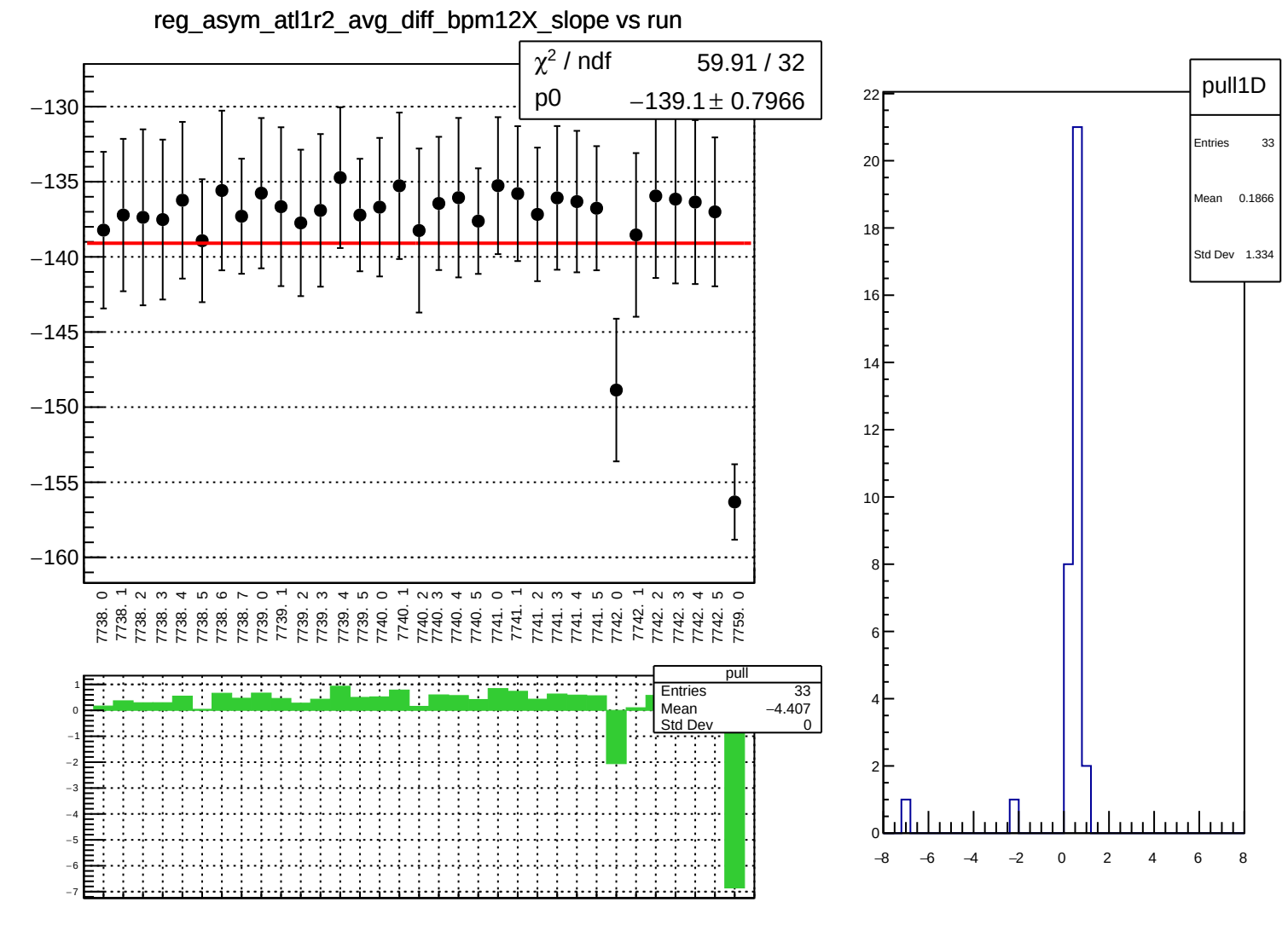

pull1D
Entries 33
Mean 0.09459
Std Dev 0.4444
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

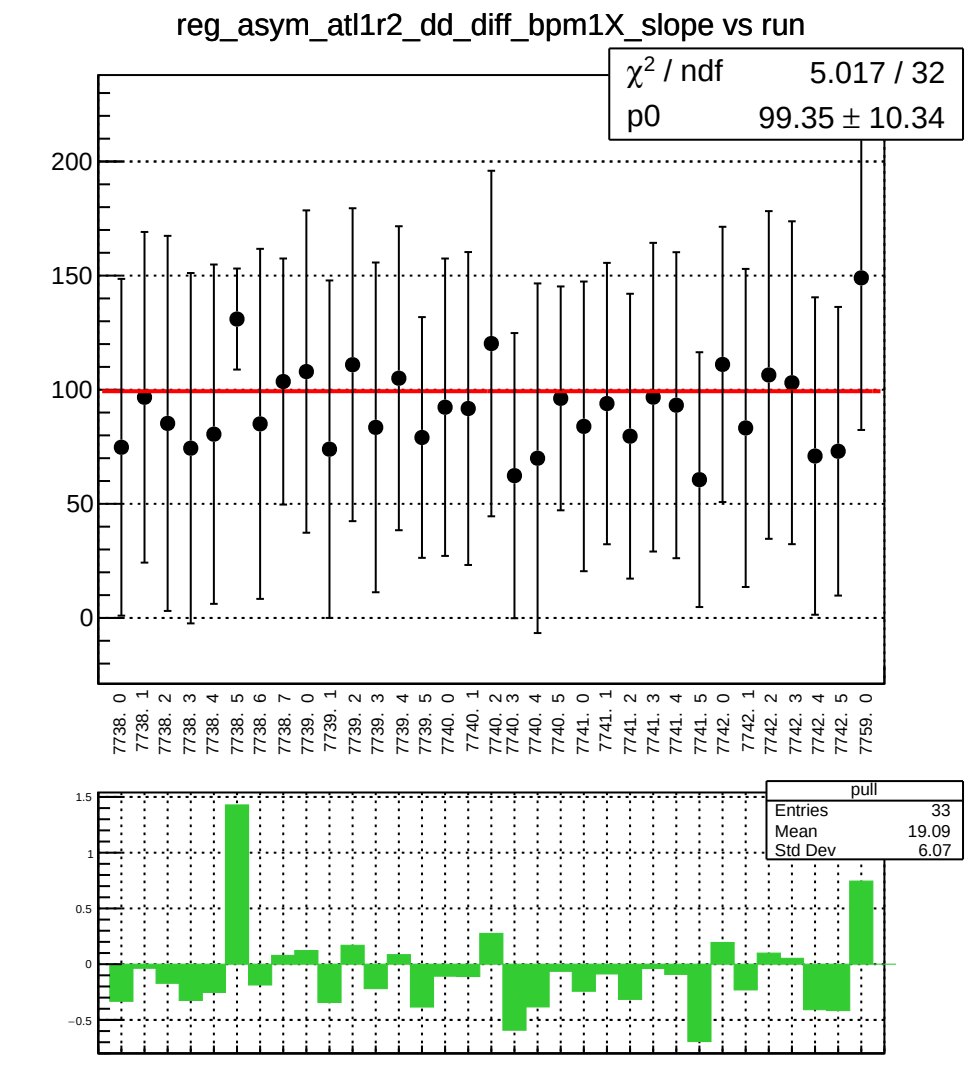

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.406 / 32
p0 48.95 ± 13.32
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −71.51
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

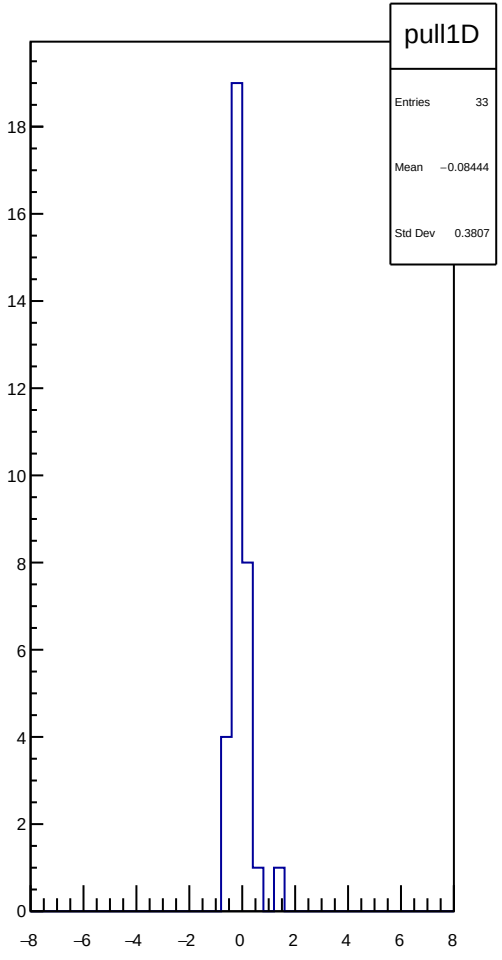

pull1D
Entries 33
Mean 0.003197
Std Dev 0.2064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

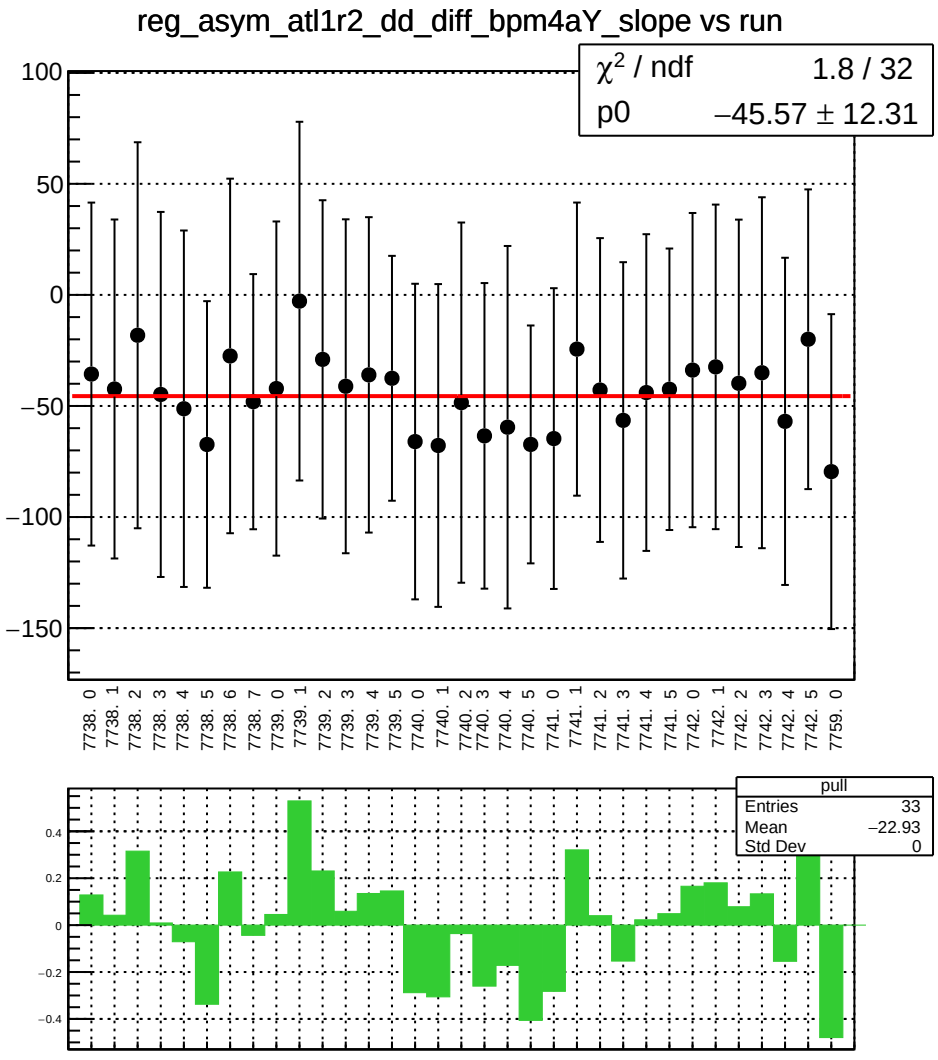

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.271 / 32
p0 176.9 ± 10.98
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.65
Std Dev 4.392
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.1225
Std Dev 0.4531
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

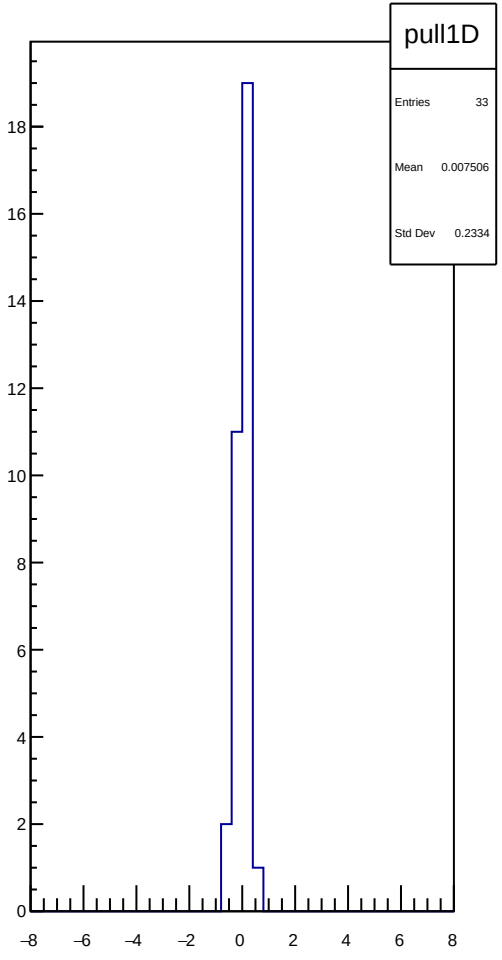

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.284 / 32
p0 −41.92 ± 24.22
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −74.97
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.006503
Std Dev 0.1971
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

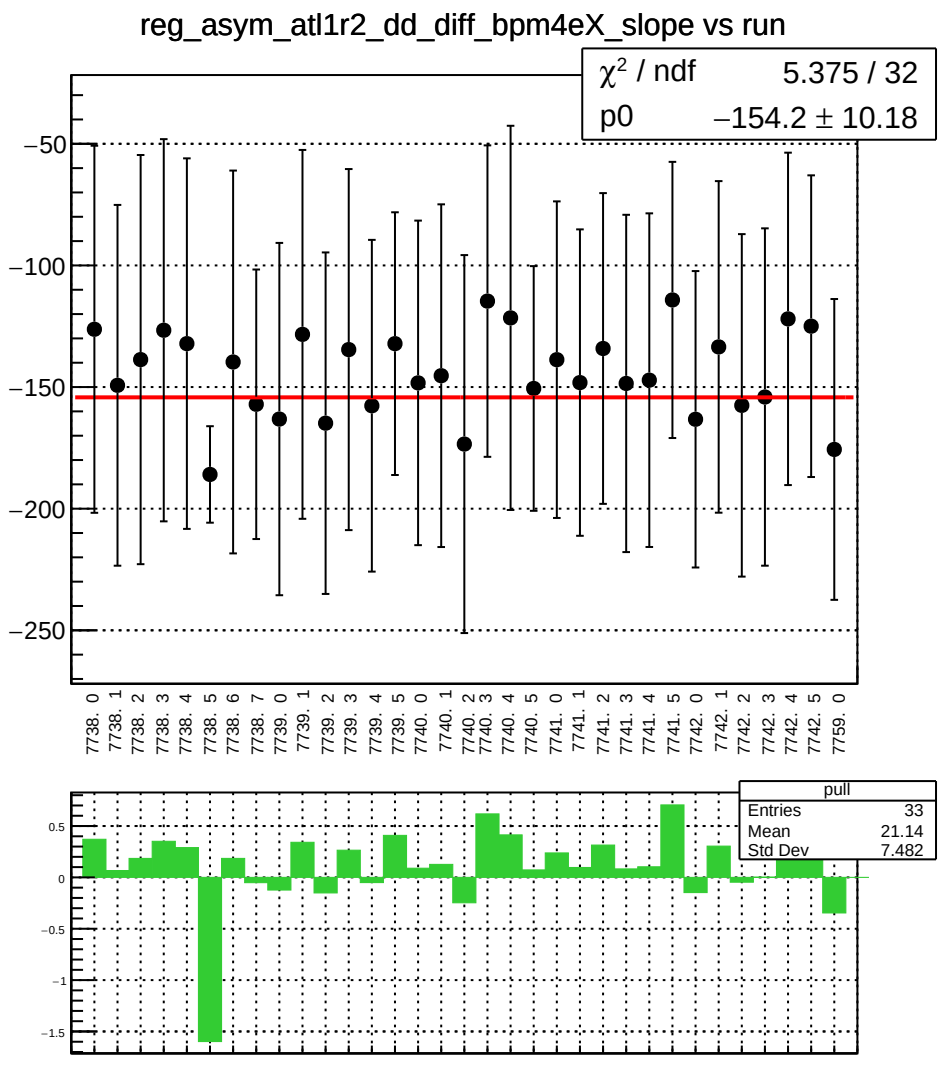

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 59.91 / 32
p0 −139.1 ± 0.7966
−130
−135
−140
−145
−150
−155
−160
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −4.407
Std Dev 0
pull1D
Entries 33
Mean 0.1866
Std Dev 1.334

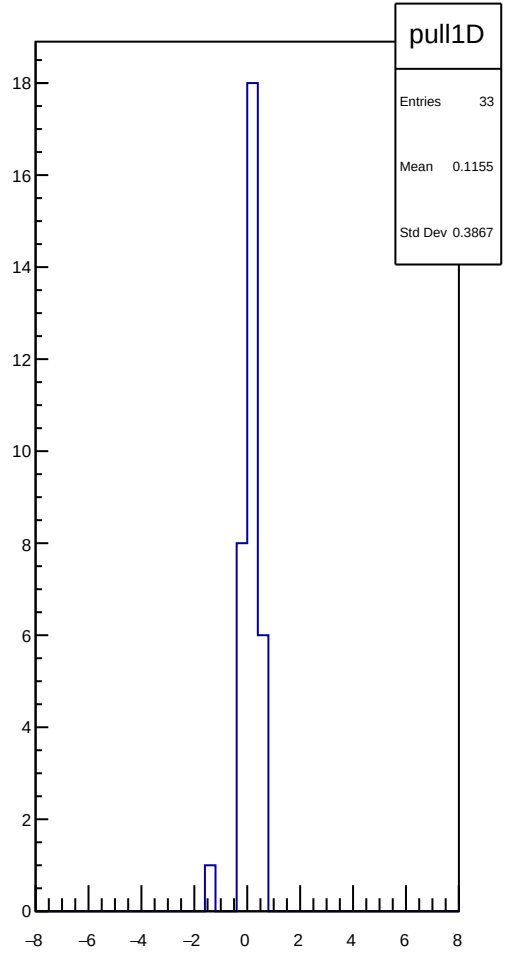

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 5.017 / 32
p0 99.35 ± 10.34
200
150
100
50
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.09
Std Dev 6.07
1.5
1
0.5
0
−0.5

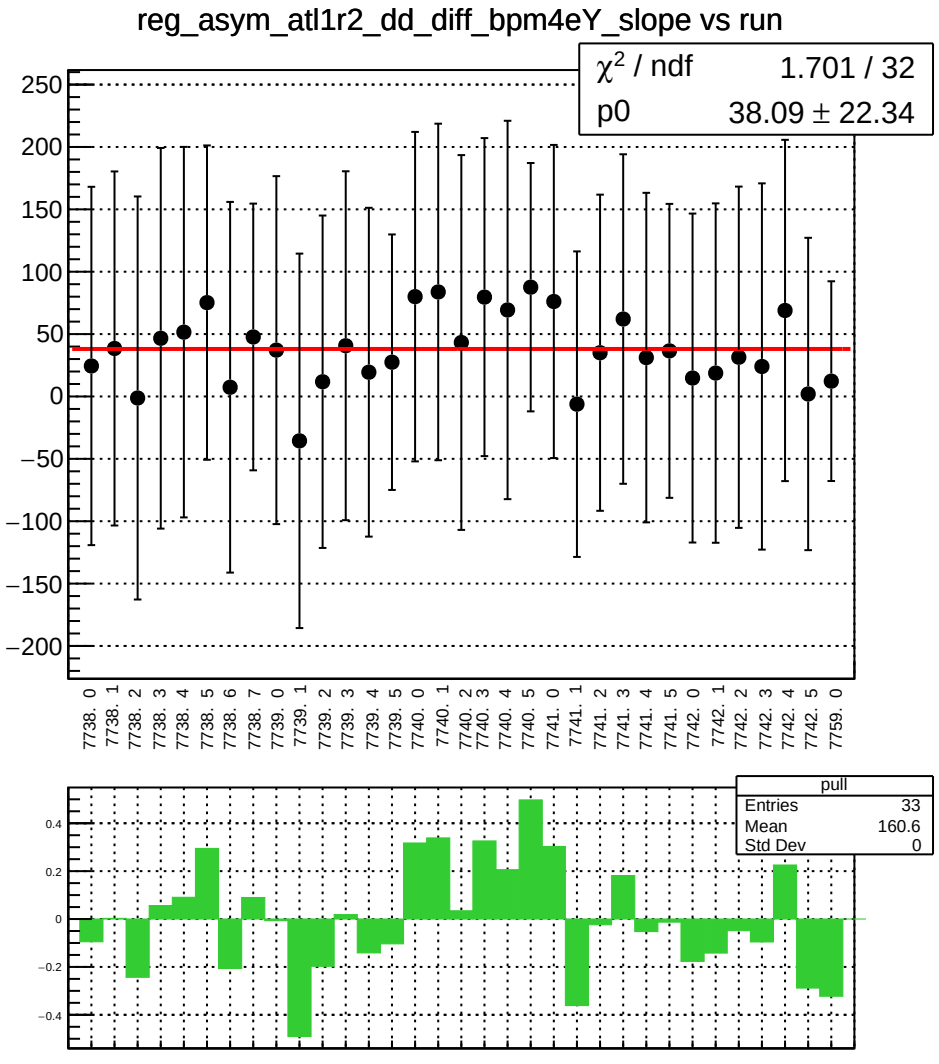

pull1D
Entries 33
Mean −0.08444
Std Dev 0.3807
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

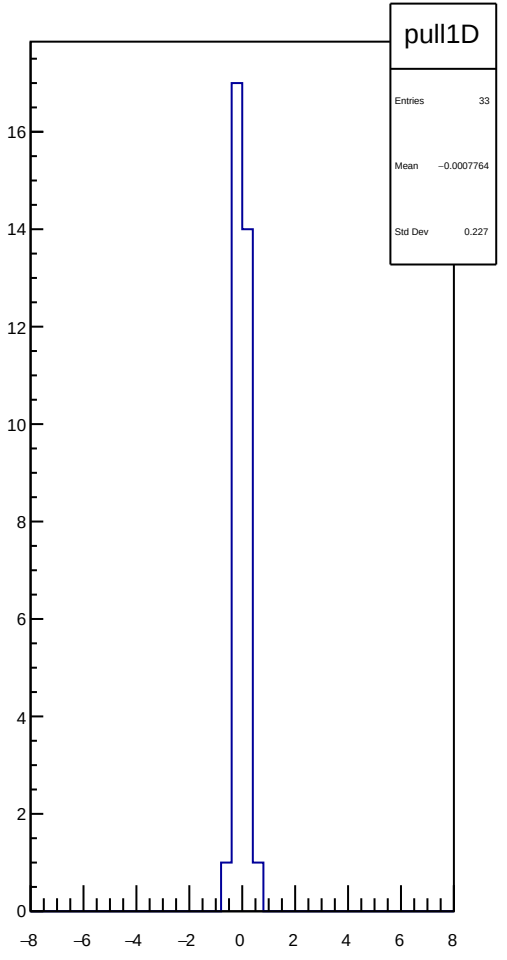

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.8 / 32
p0 −45.57 ± 12.31
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −22.93
Std Dev 0
0.4
0.2
0
−0.2
−0.4

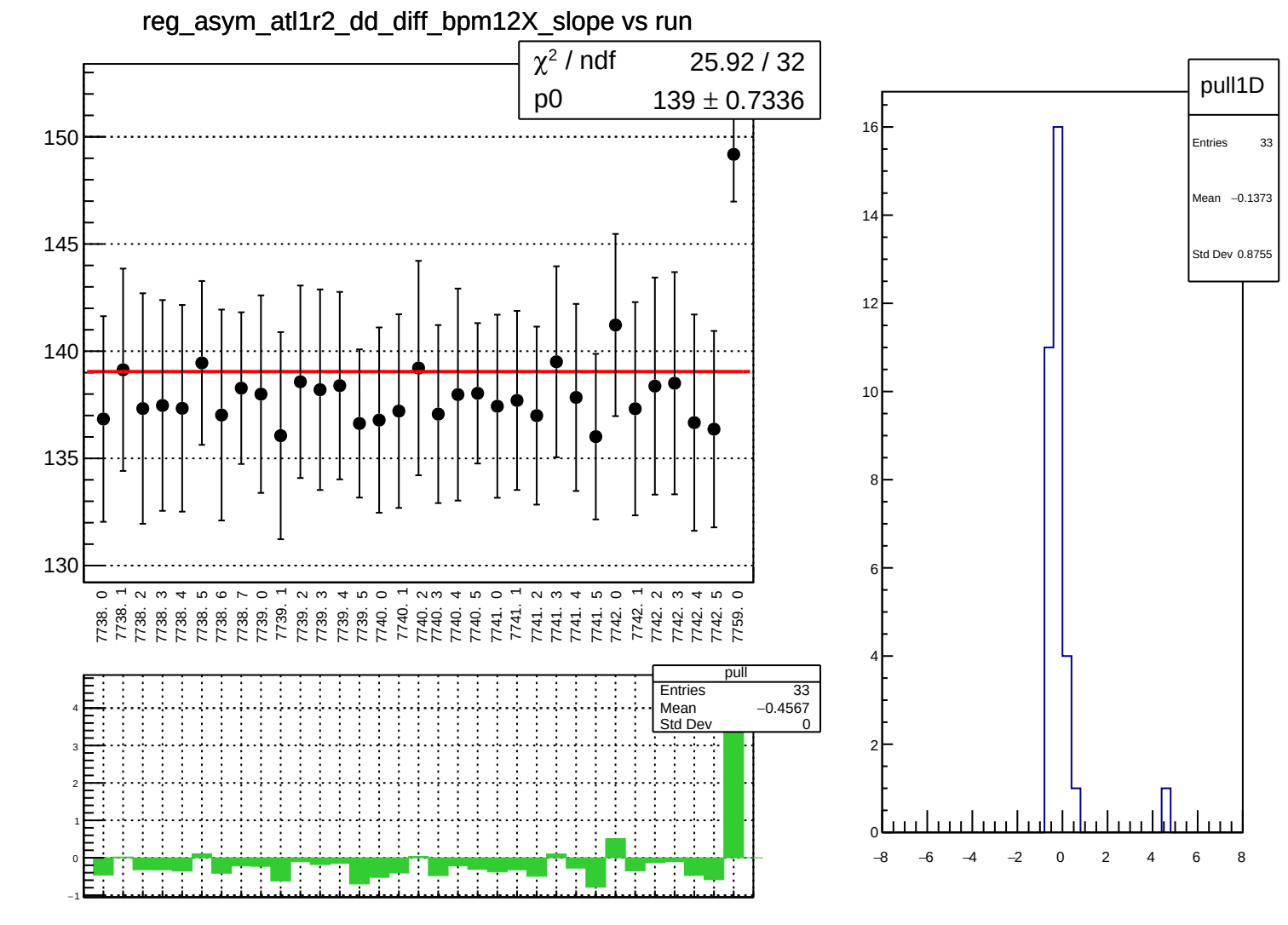

pull1D
Entries 33
Mean 0.007506
Std Dev 0.2334
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

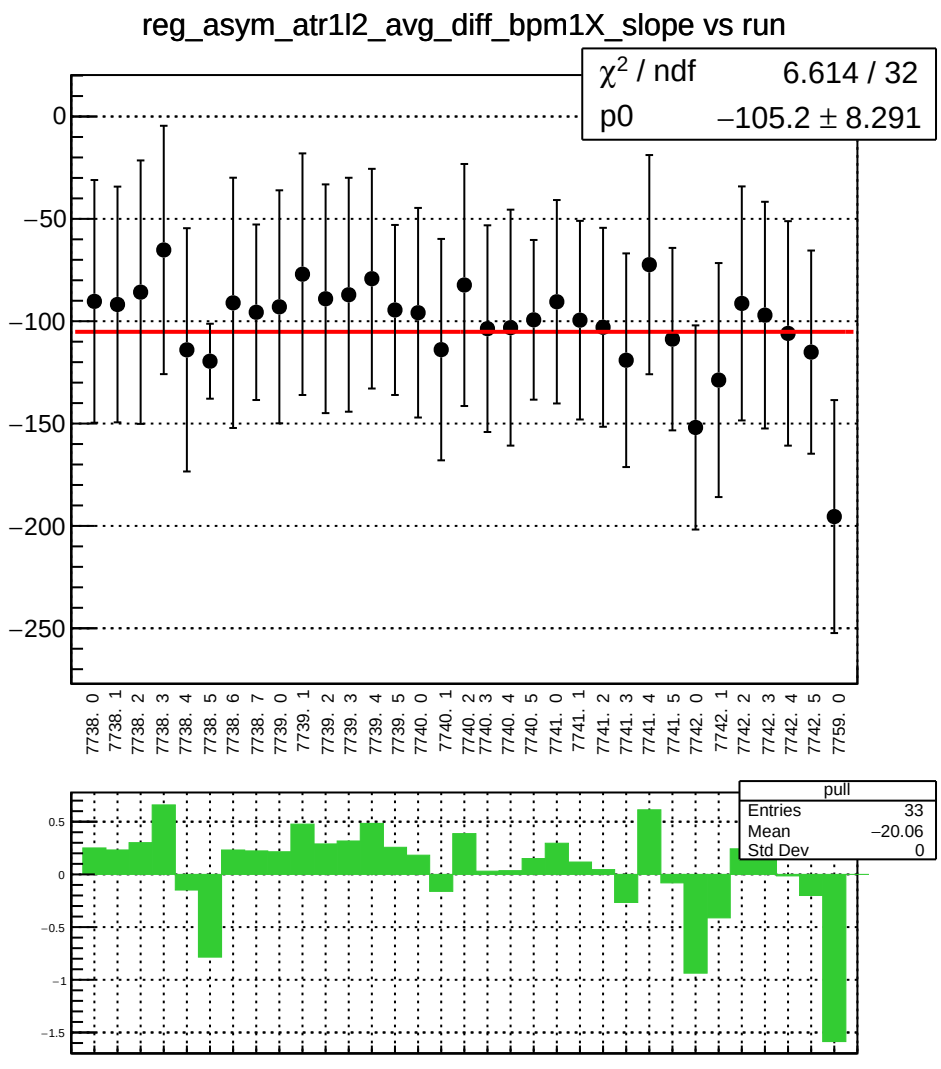

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.375 / 32
p0 −154.2 ± 10.18
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 21.14
Std Dev 7.482
0.5
0
−0.5
−1
−1.5

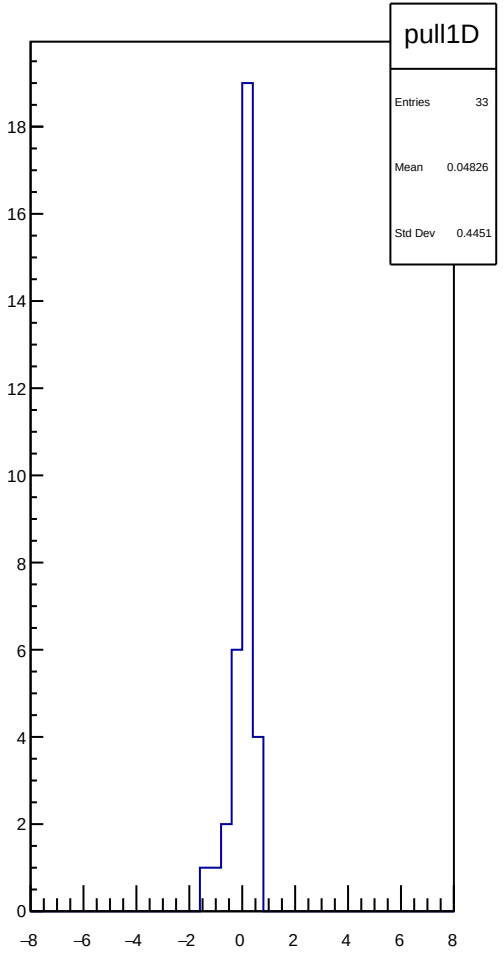

pull1D
Entries 33
Mean 0.1155
Std Dev 0.3867
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

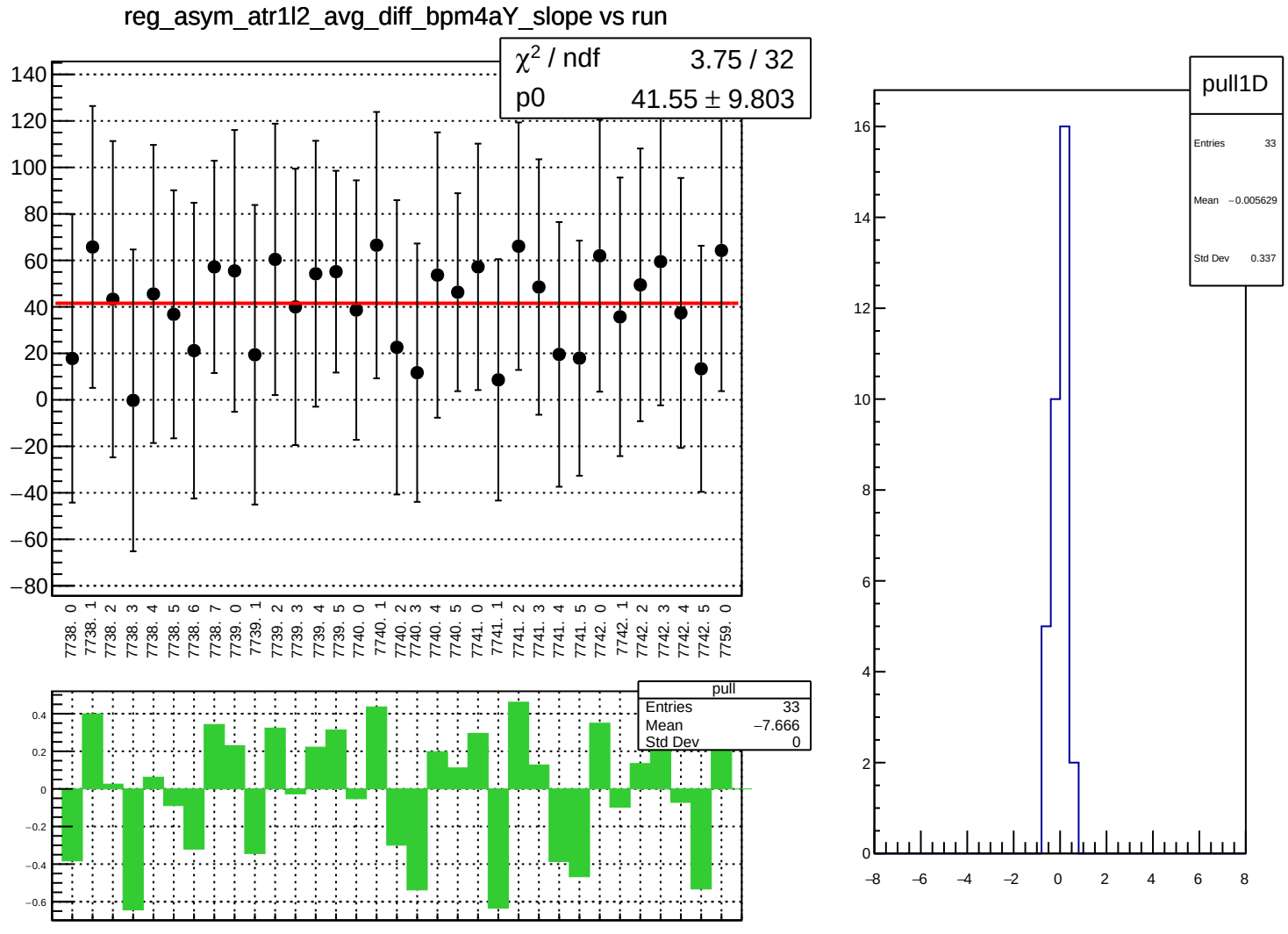

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.701 / 32
p0 38.09 ± 22.34
250
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 160.6
Std Dev 0
0.4
0.2
0
−0.2
−0.4

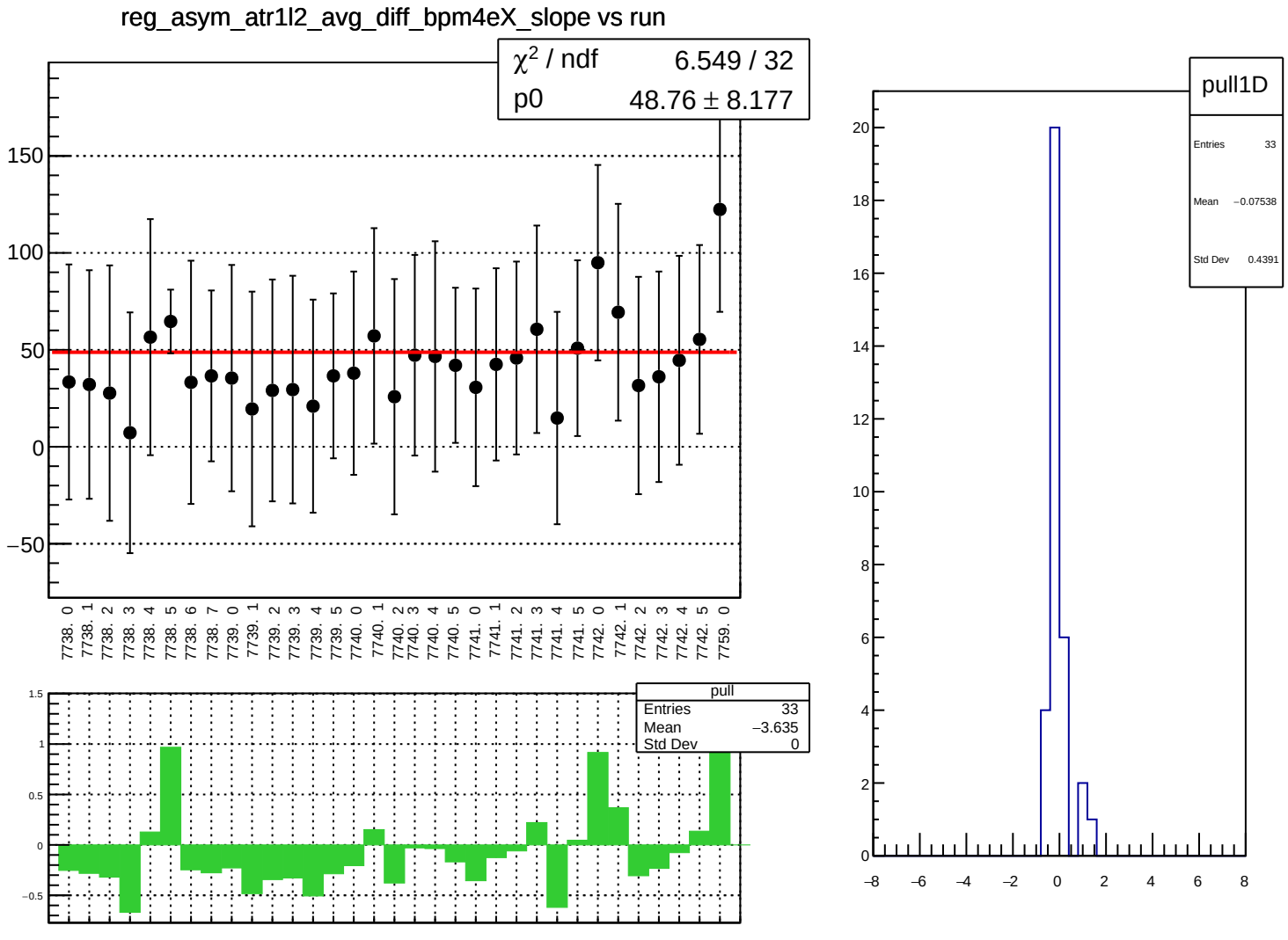

pull1D
Entries 33
Mean −0.0007764
Std Dev 0.227
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

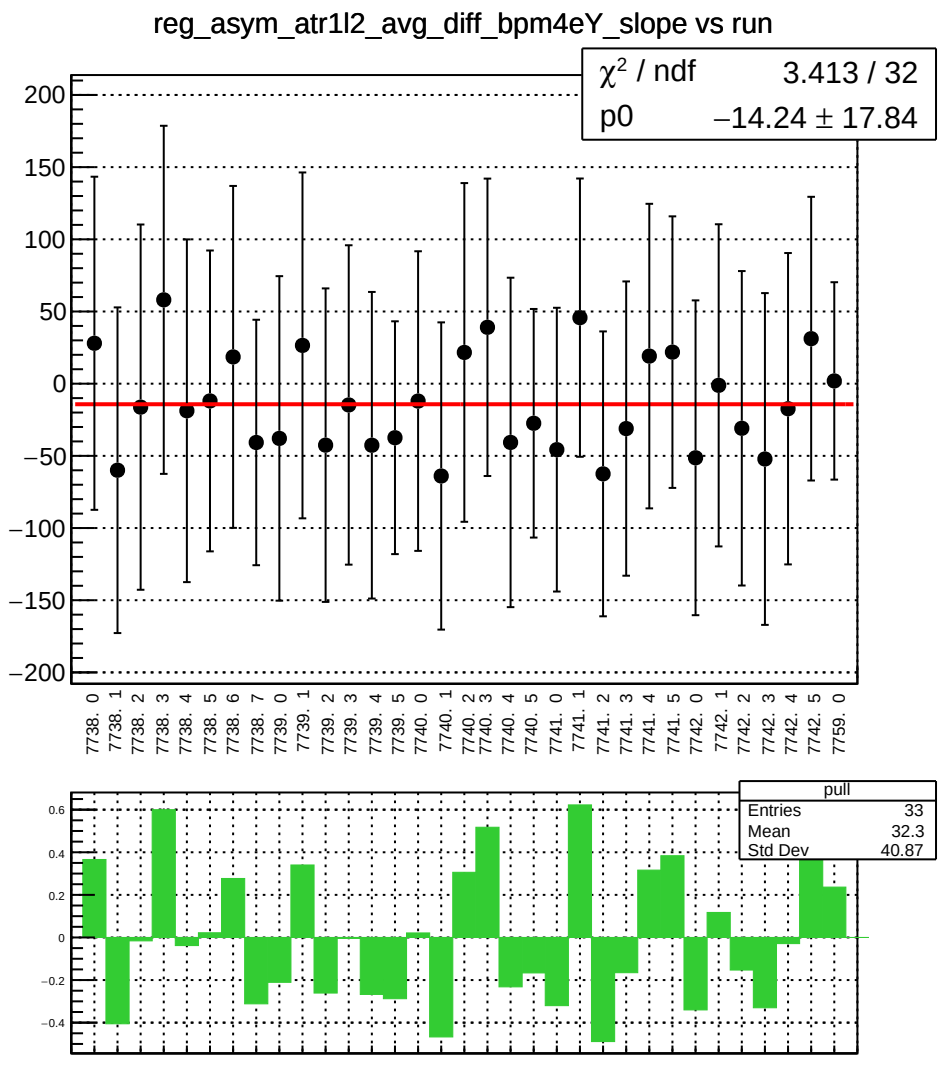

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 25.92 / 32
p0 139 ± 0.7336
150
145
140
135
130
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.4567
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 33
Mean −0.1373
Std Dev 0.8755
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

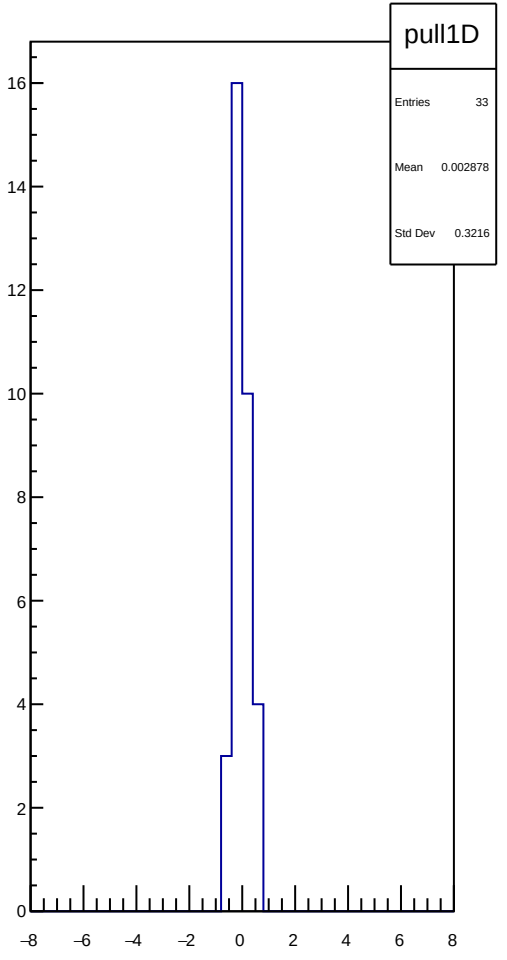

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 6.614 / 32
p0 −105.2 ± 8.291
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −20.06
Std Dev 0
0.5
0
−0.5
−1
−1.5

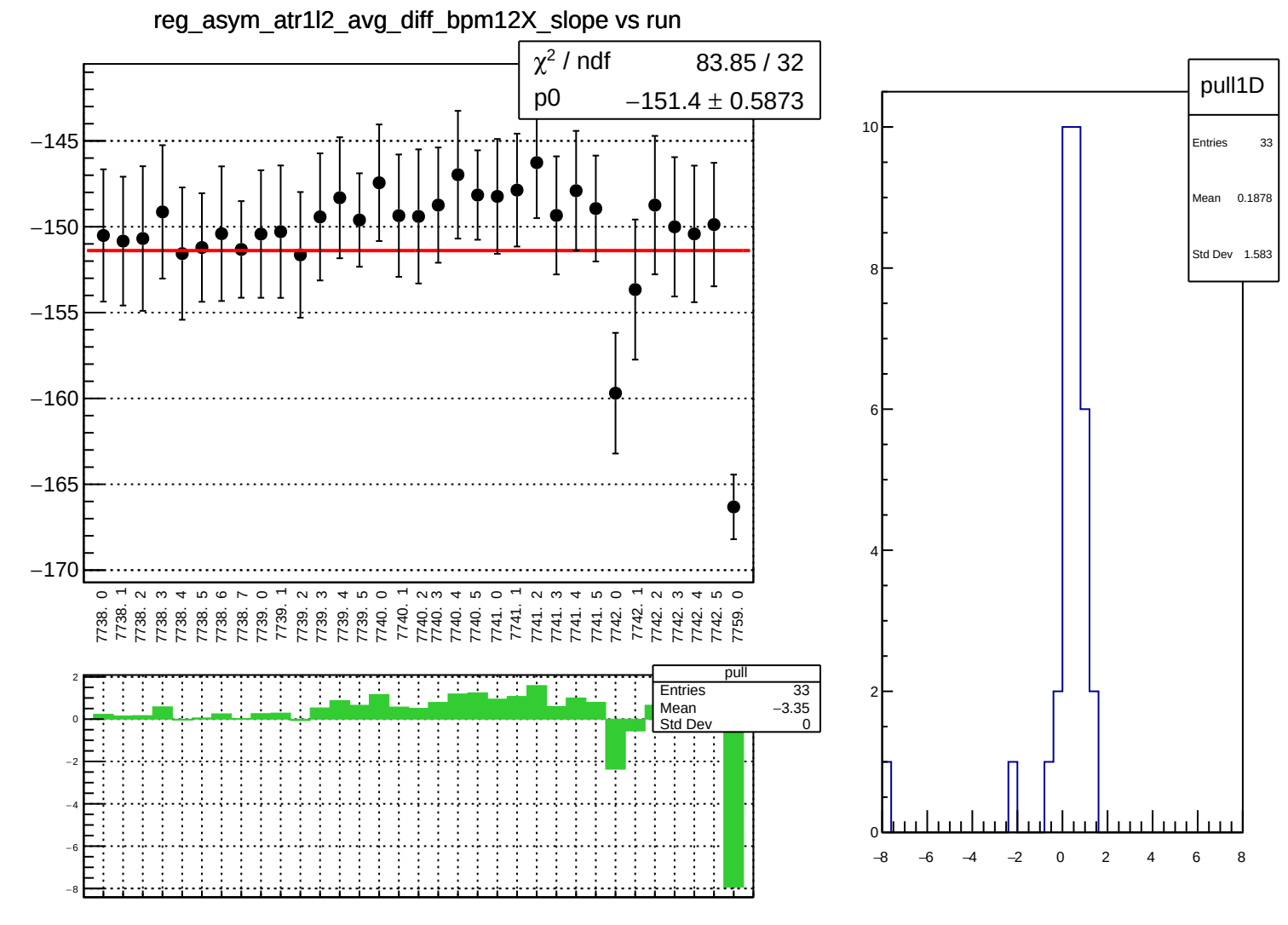

pull1D
Entries 33
Mean 0.04826
Std Dev 0.4451
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

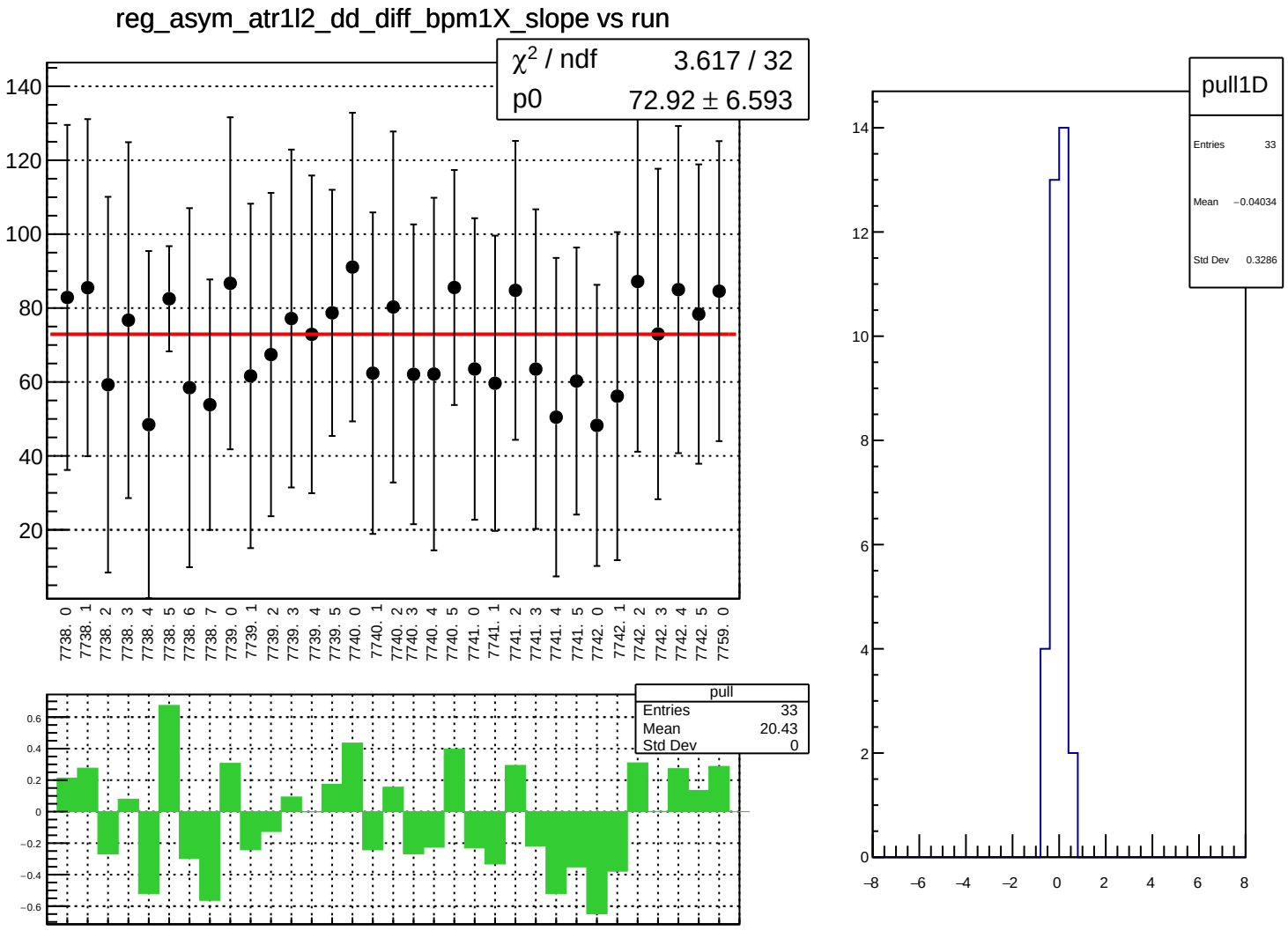

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.75 / 32
p0 41.55 ± 9.803
140
120
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.666
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.005629
Std Dev 0.337
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

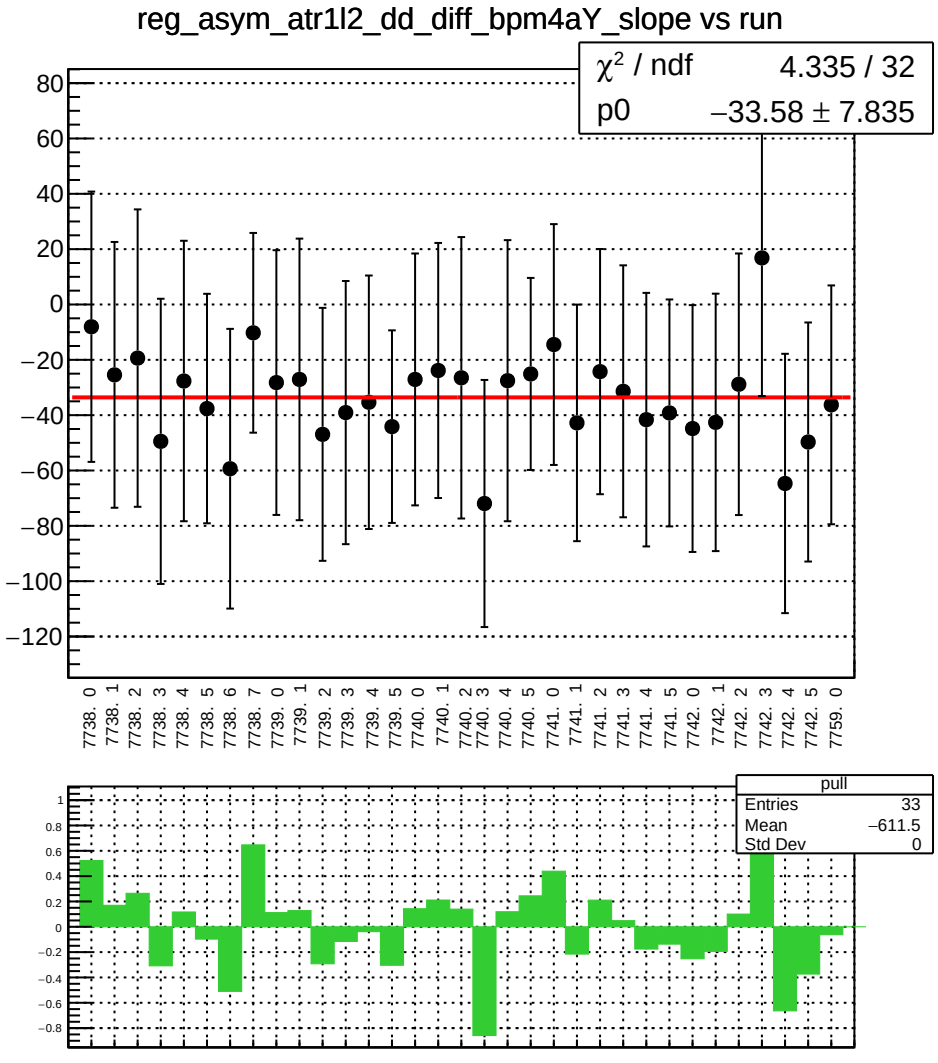

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.549 / 32
p0 48.76 ± 8.177
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.635
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.07538
Std Dev 0.4391
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

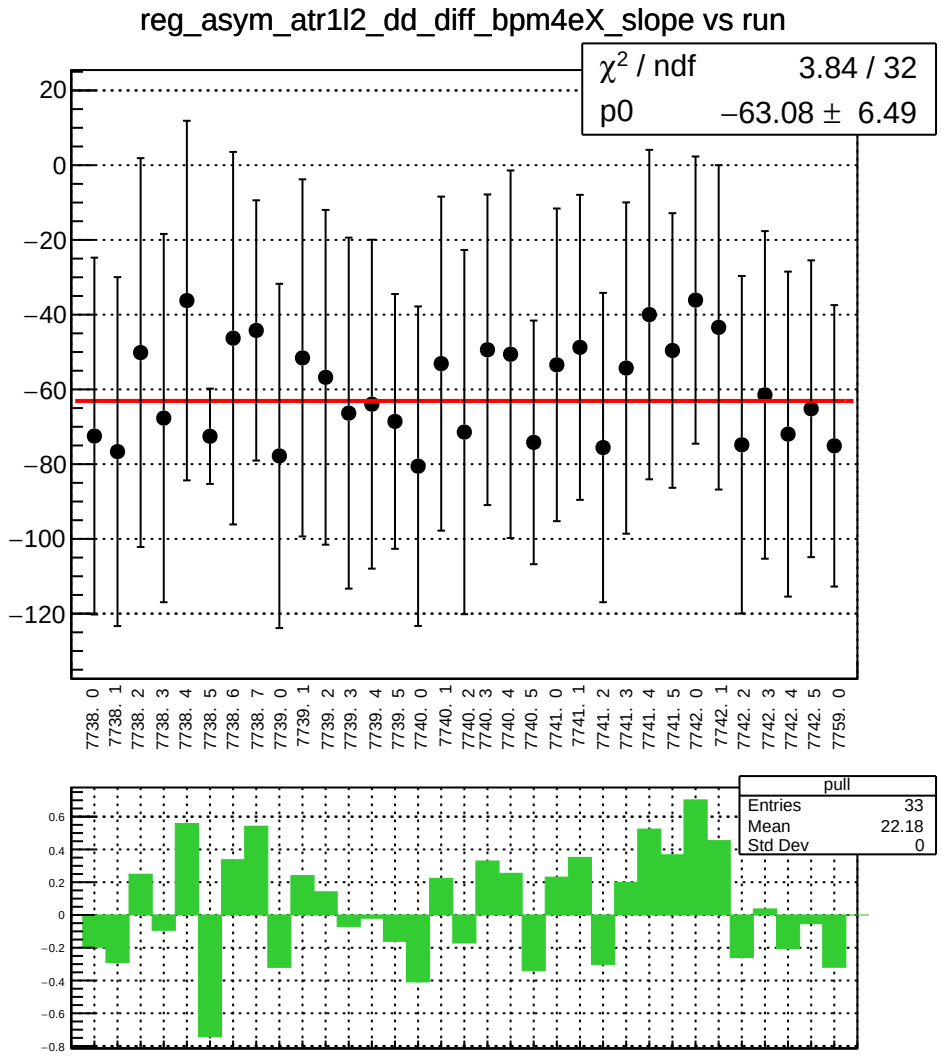

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.413 / 32
p0 −14.24 ± 17.84
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 32.3
Std Dev 40.87
0.6
0.4
0.2
0
−0.2
−0.4

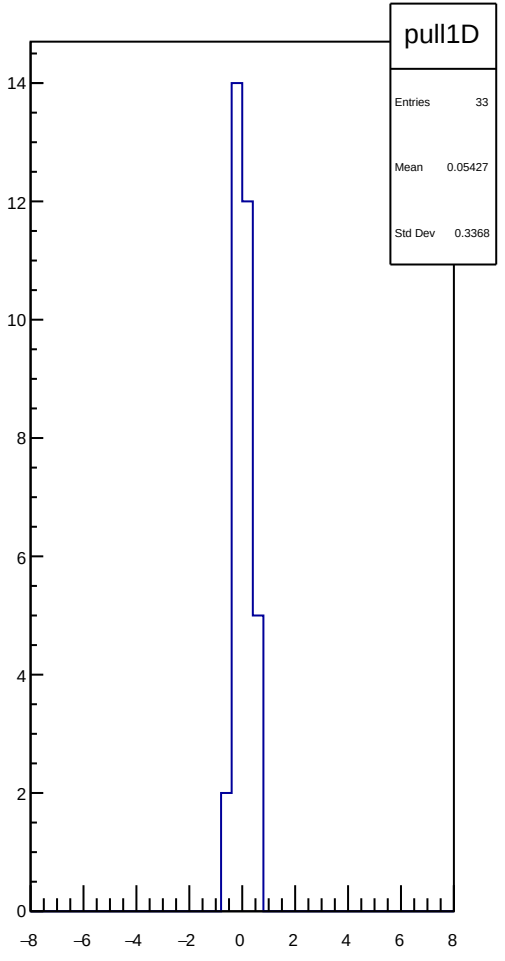

pull1D
Entries 33
Mean 0.002878
Std Dev 0.3216
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

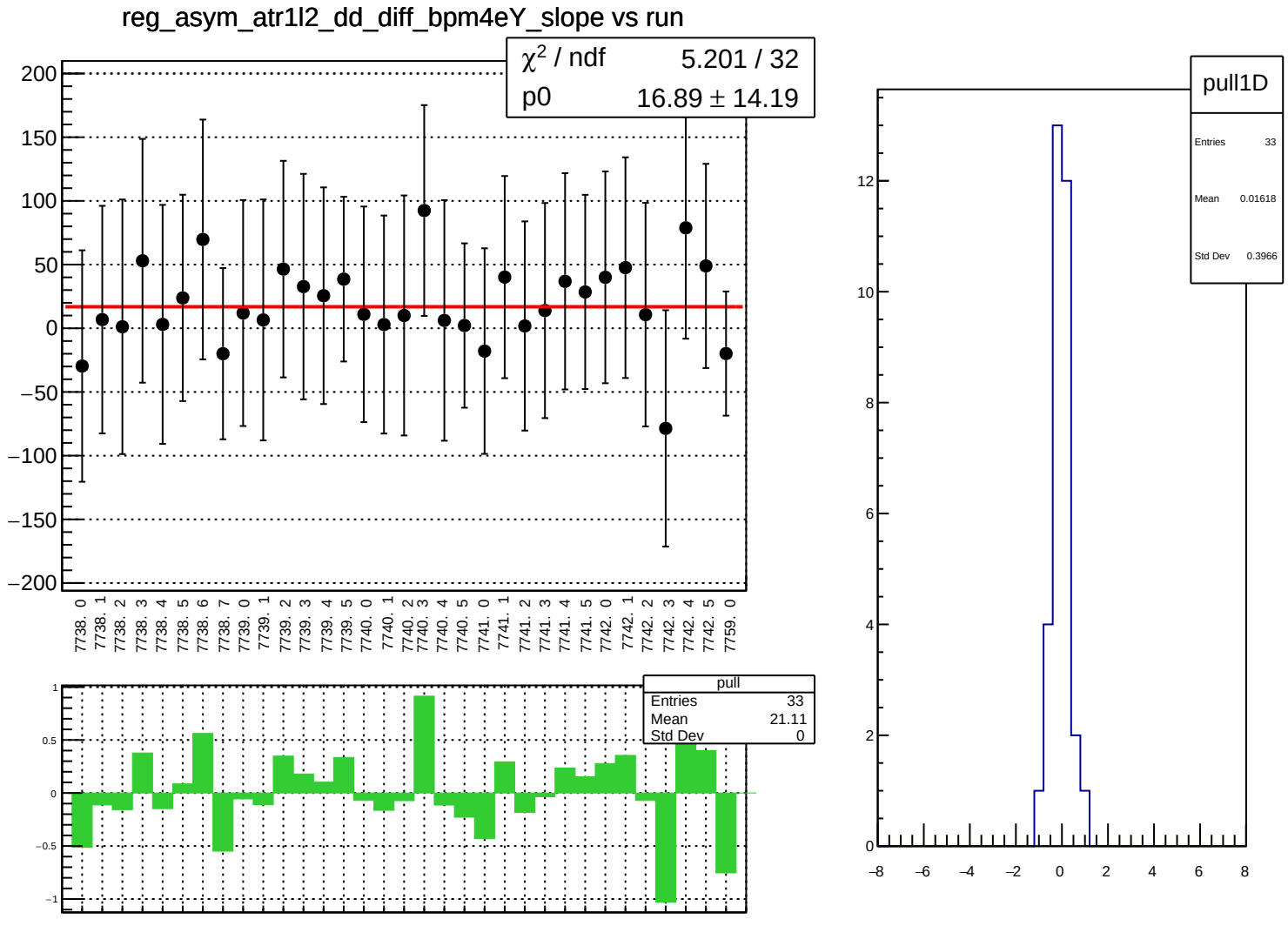

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 83.85 / 32
p0 −151.4 ± 0.5873
−145
−150
−155
−160
−165
−170
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.35
Std Dev 0
2
0
−2
−4
−6
−8
pull1D
Entries 33
Mean 0.1878
Std Dev 1.583
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

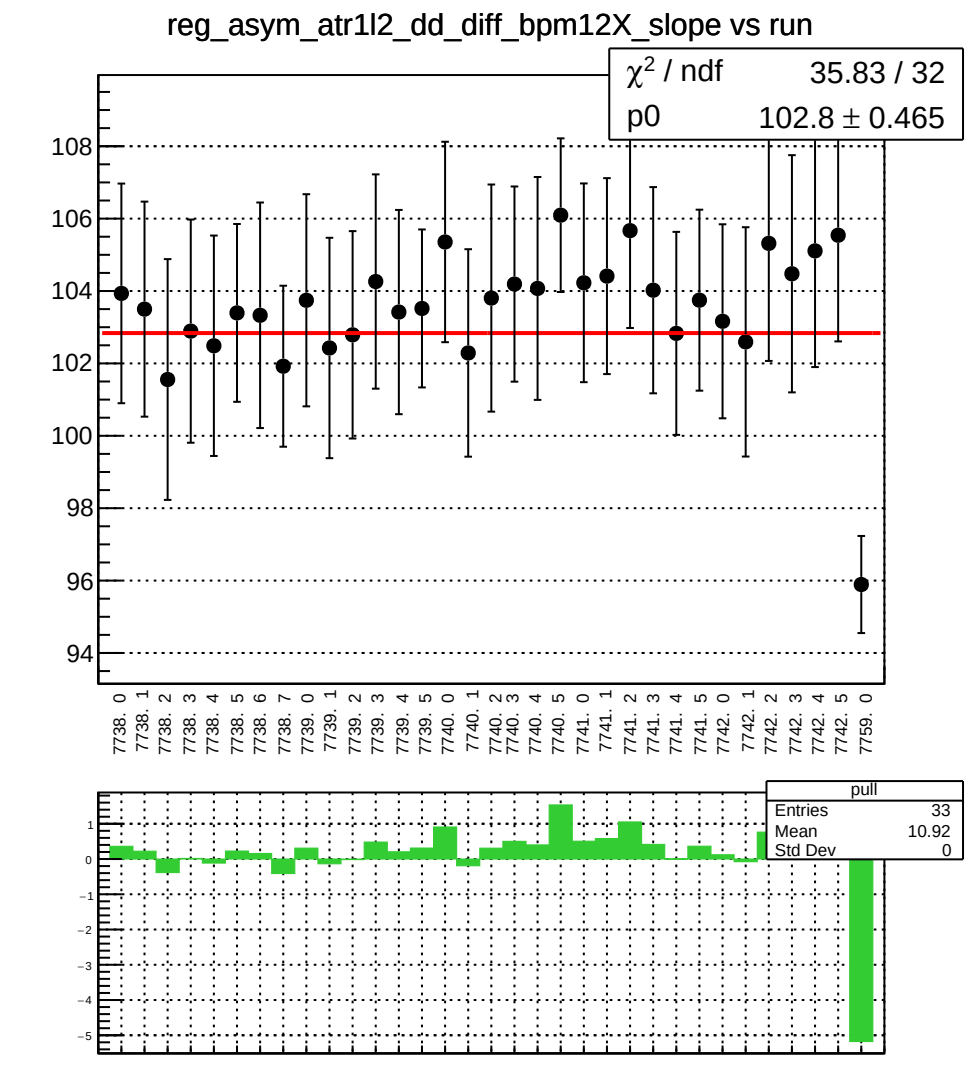

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 3.617 / 32
p0 72.92 ± 6.593
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.43
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.04034
Std Dev 0.3286
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

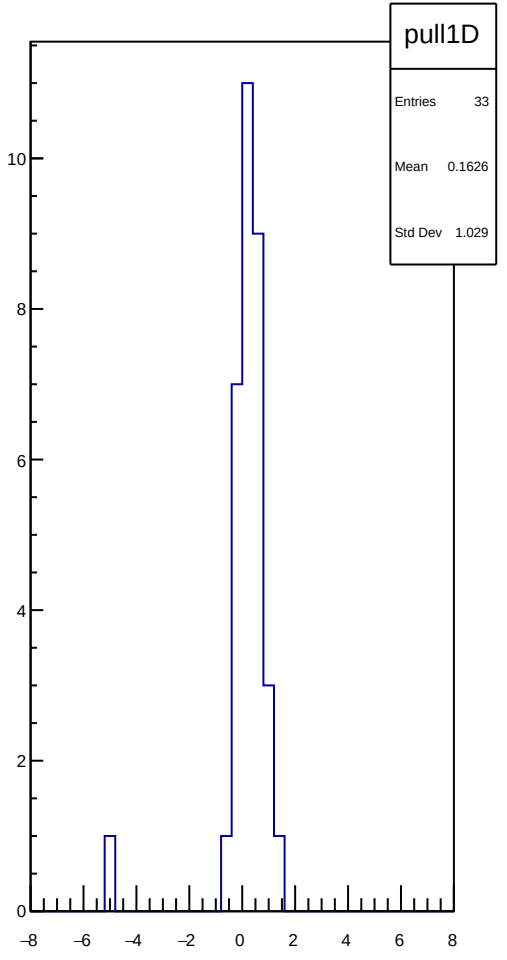

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.335 / 32
p0 −33.58 ± 7.835
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −611.5
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean 0.000821
Std Dev 0.3625
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

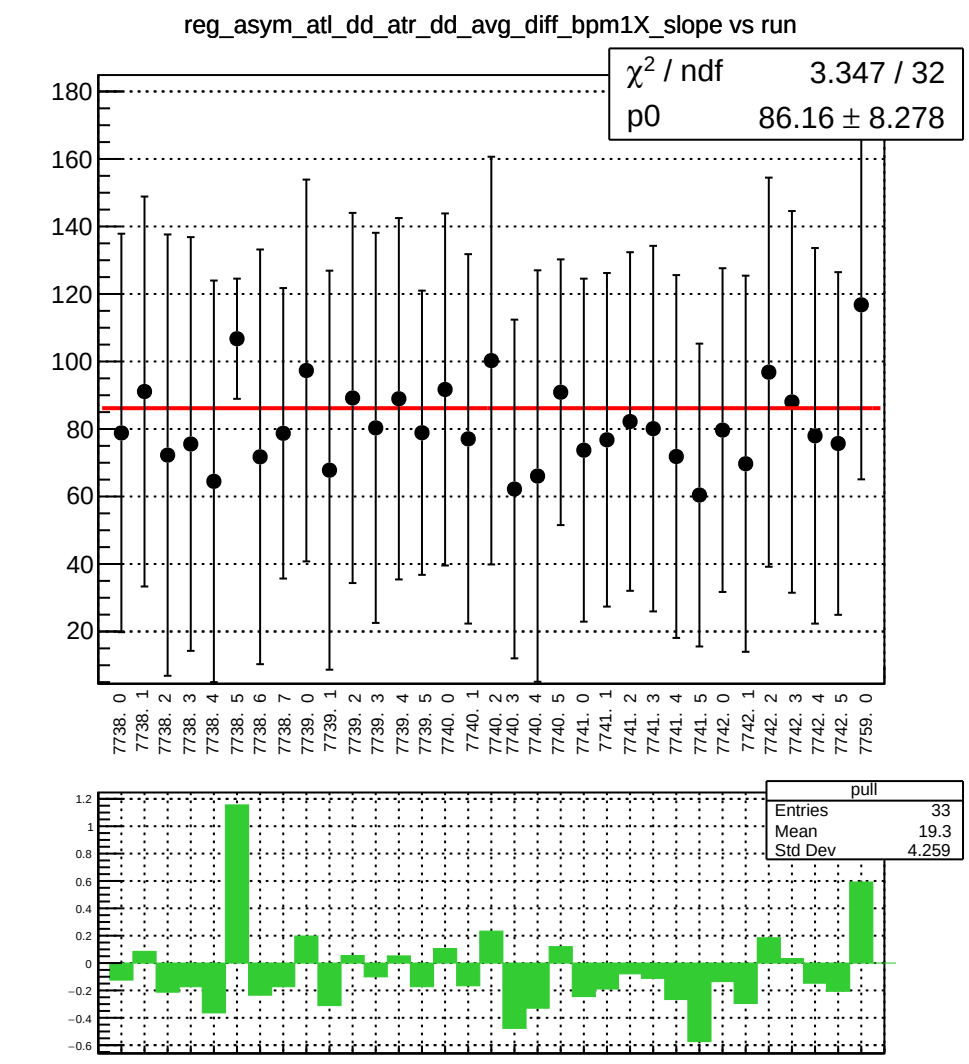

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.84 / 32
p0 −63.08 ± 6.49
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.18
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

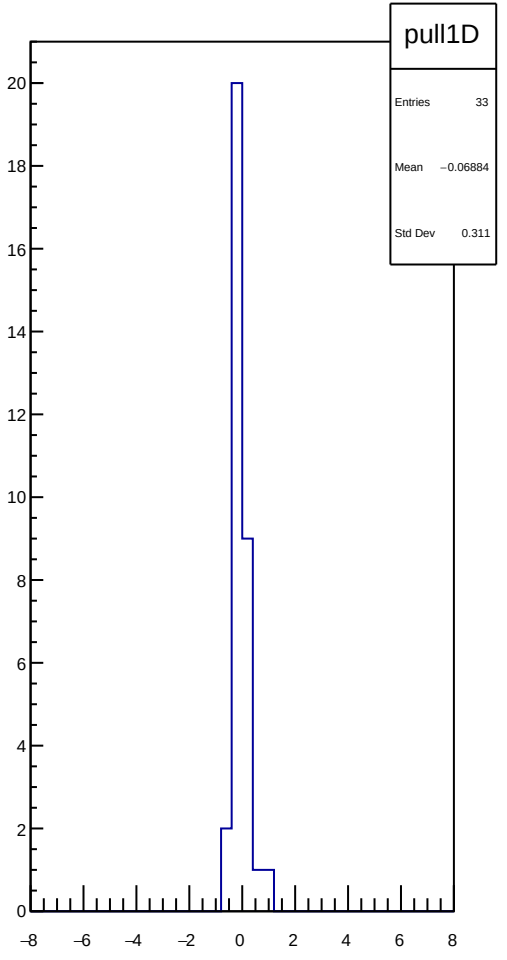

pull1D
Entries 33
Mean 0.05427
Std Dev 0.3368
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

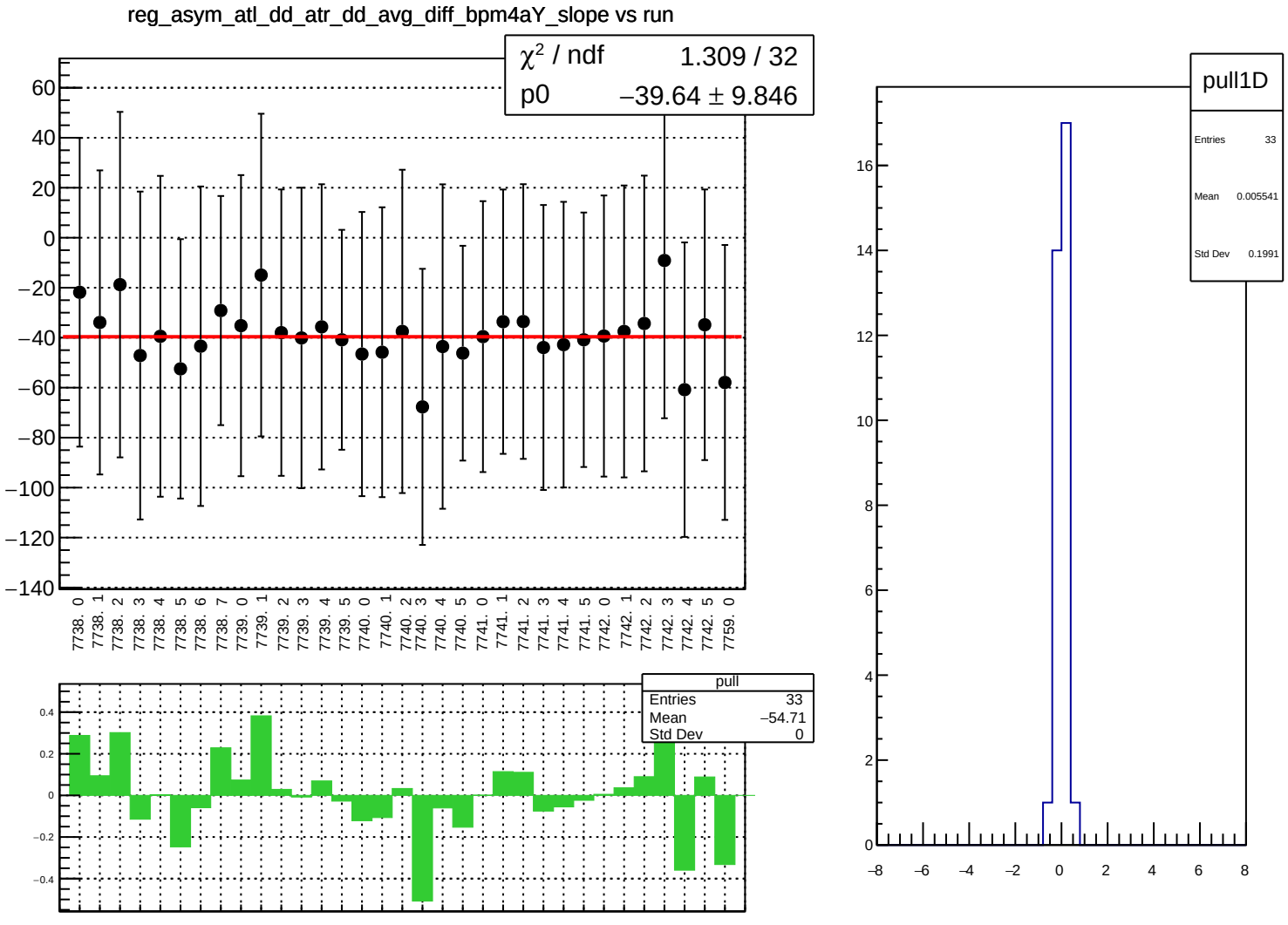

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.201 / 32
p0 16.89 ± 14.19
200
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 21.11
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.01618
Std Dev 0.3966
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

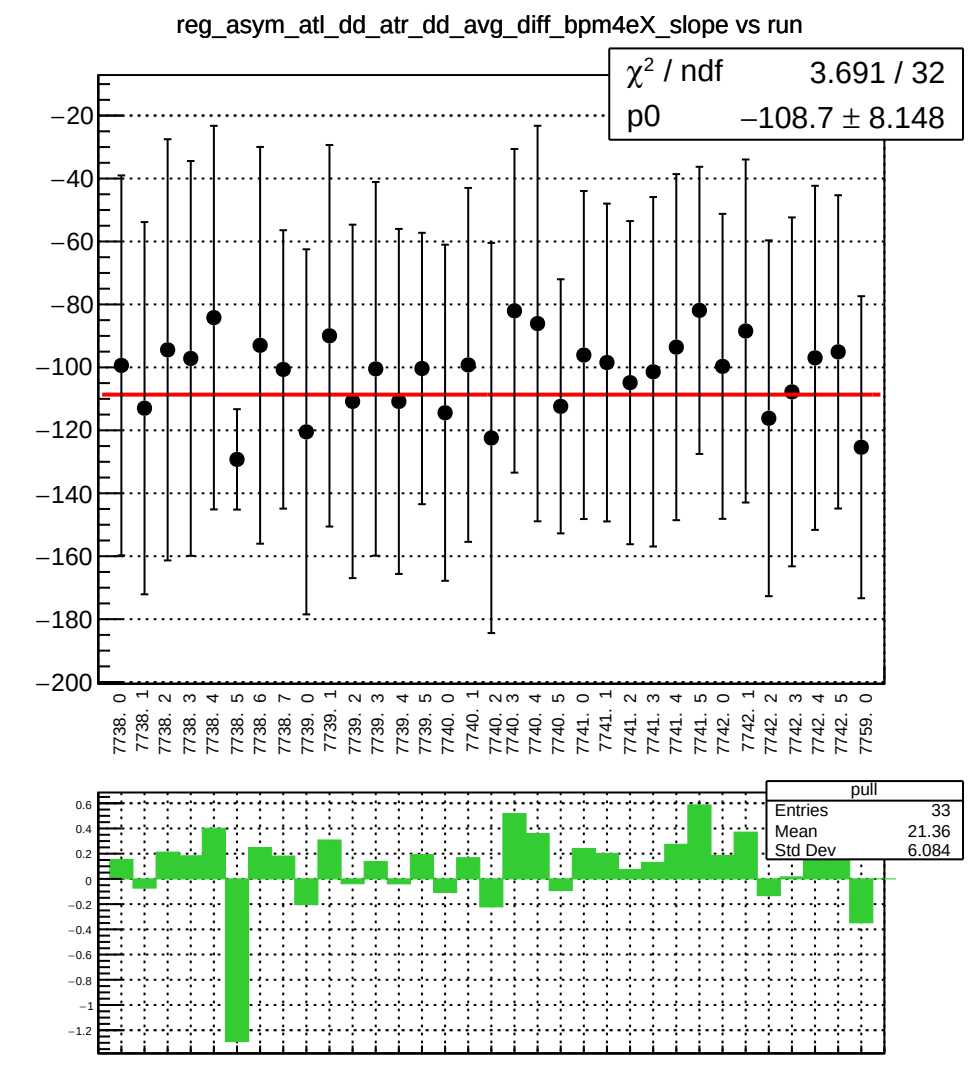

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 35.83 / 32
p0 102.8 ± 0.465
108
106
104
102
100
98
96
94
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 10.92
Std Dev 0
1
0
−1
−2
−3
−4
−5

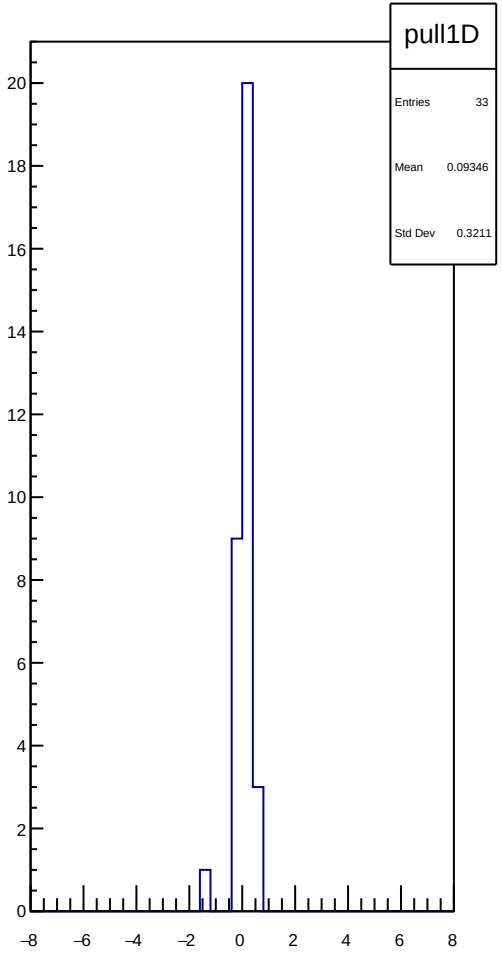

pull1D
Entries 33
Mean 0.1626
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

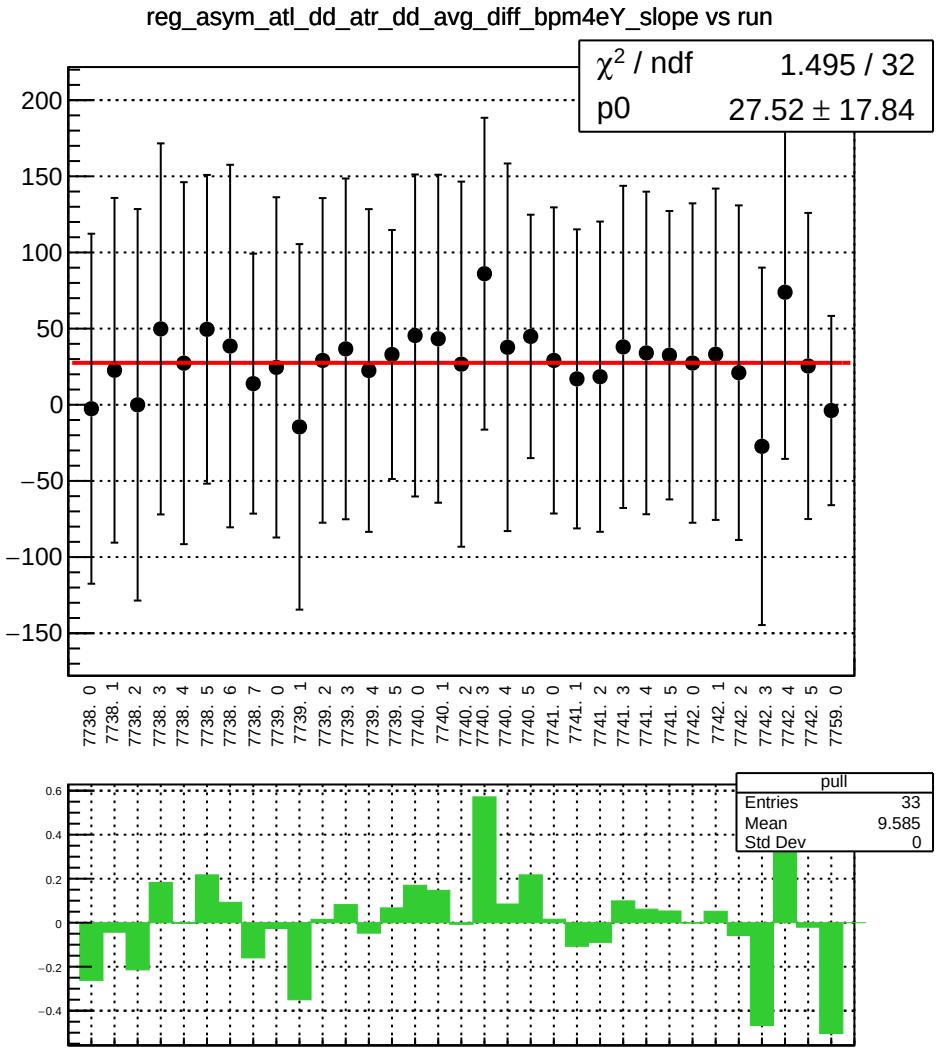

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 3.347 / 32
p0 86.16 ± 8.278
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.3
Std Dev 4.259
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

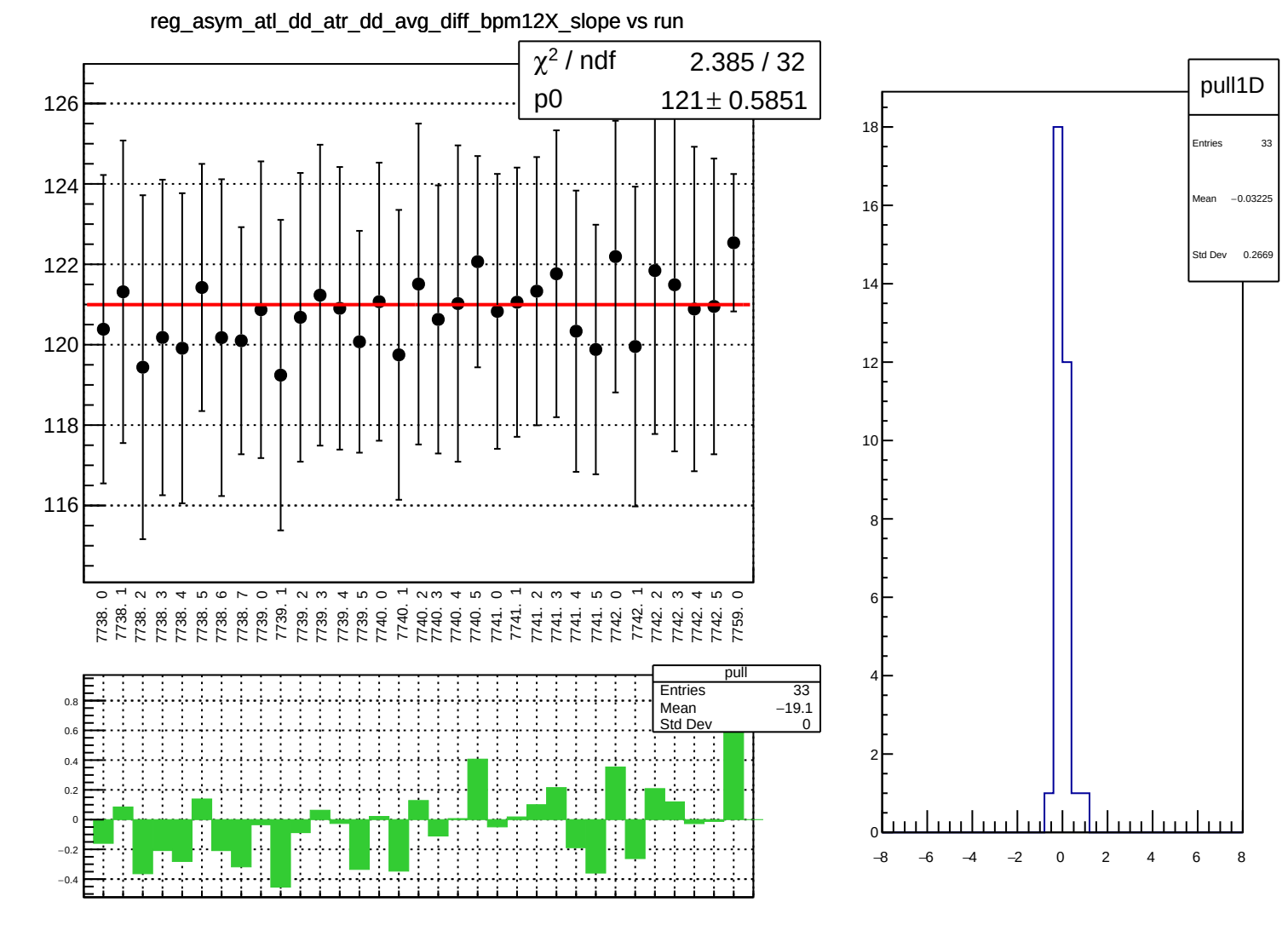

pull1D
Entries 33
Mean −0.06884
Std Dev 0.311
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

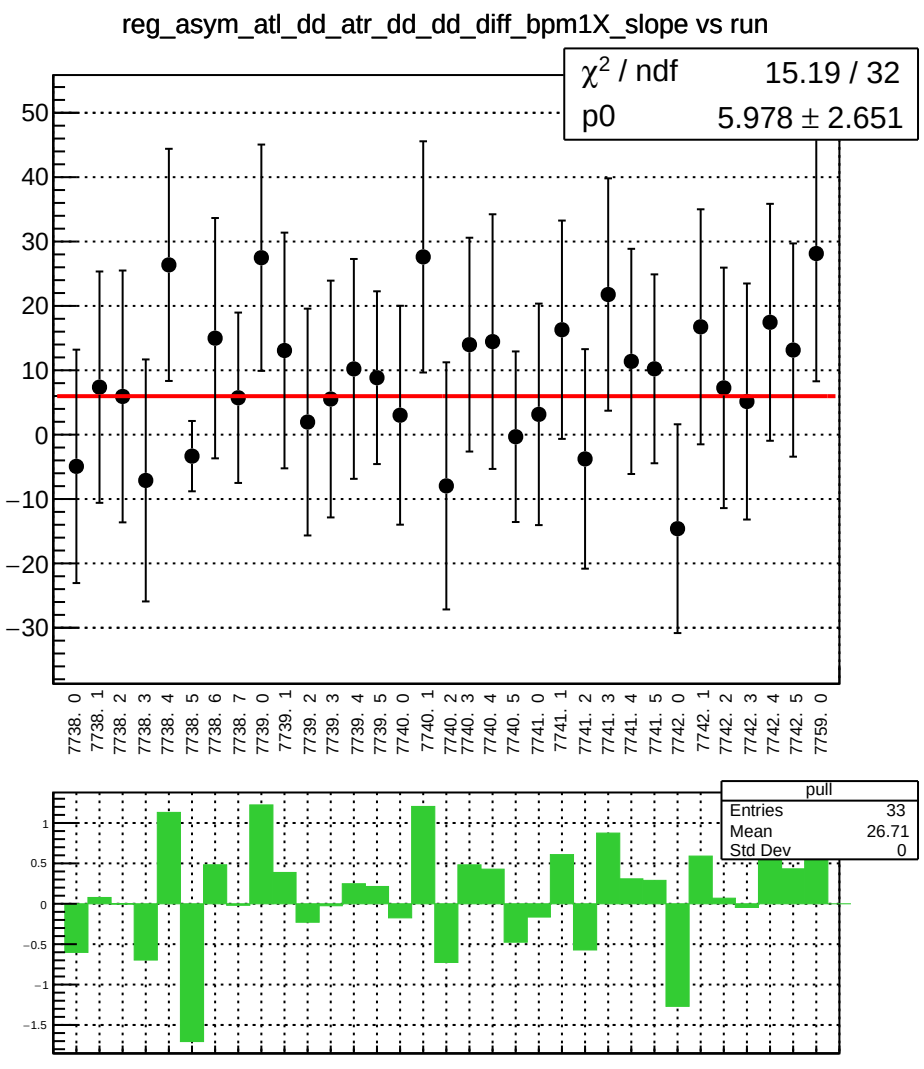

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.309 / 32
p0 −39.64 ± 9.846
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −54.71
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.005541
Std Dev 0.1991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

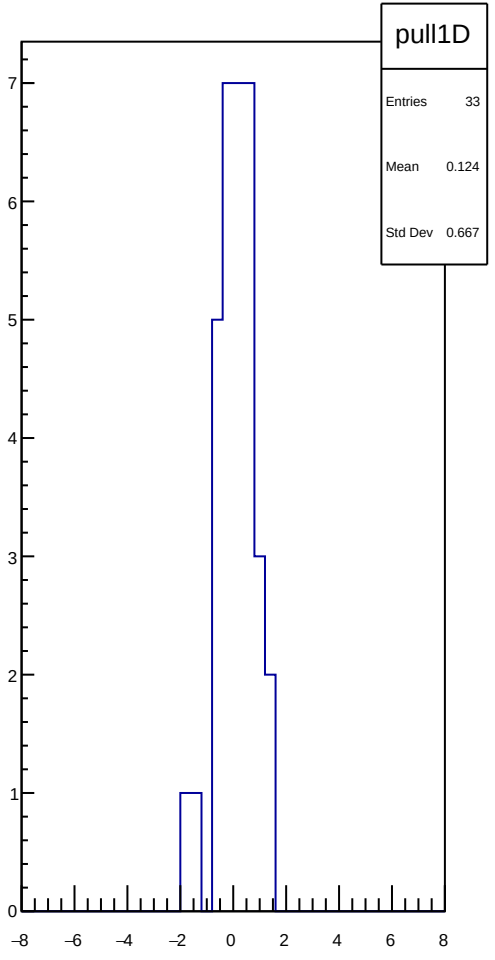

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.691 / 32
p0 −108.7 ± 8.148
pull
Entries 33
Mean 21.36
Std Dev 6.084

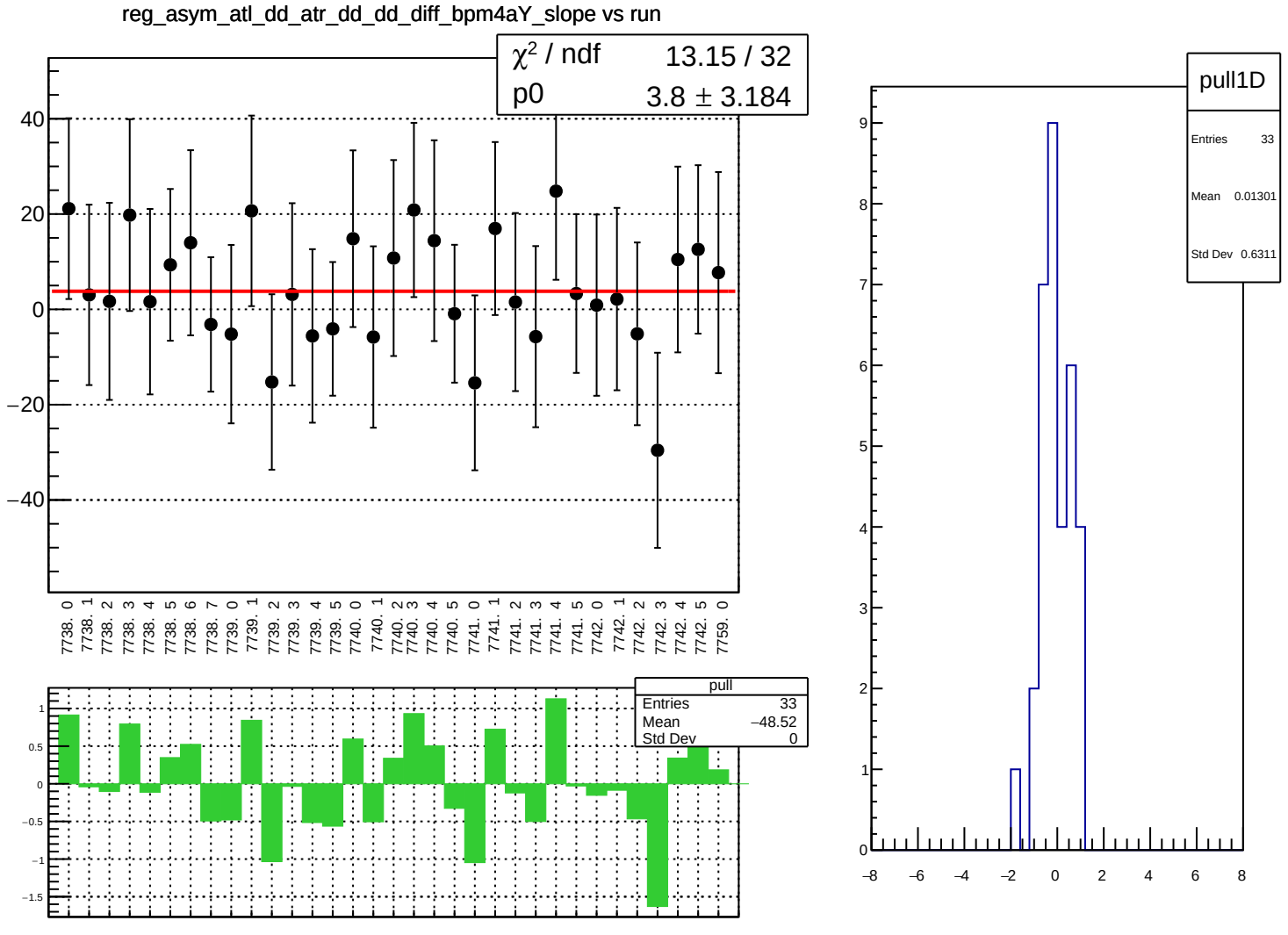

pull1D
Entries 33
Mean 0.09346
Std Dev 0.3211

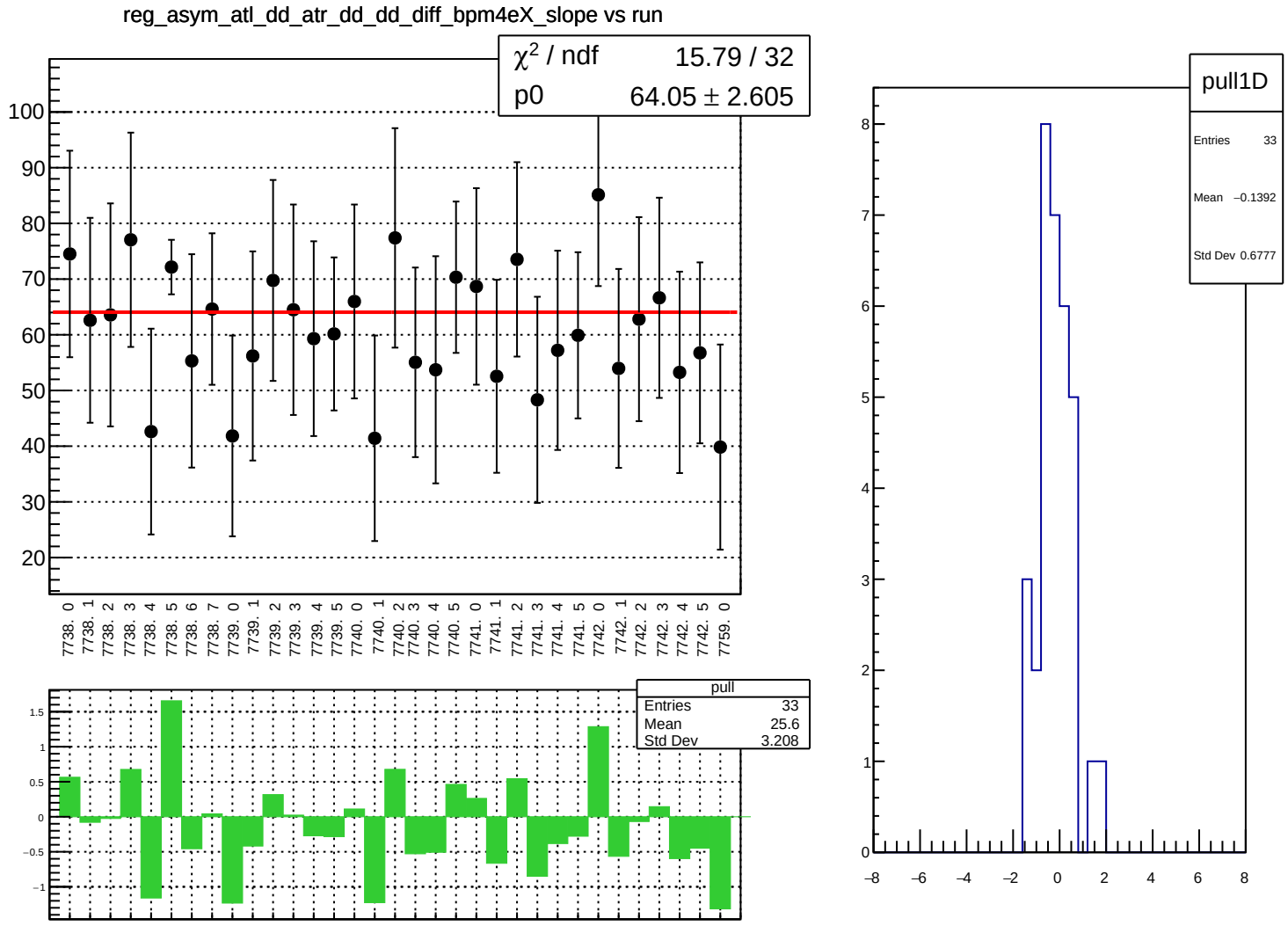

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.495 / 32
p0 27.52 ± 17.84
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.585
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.005856
Std Dev 0.2127
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

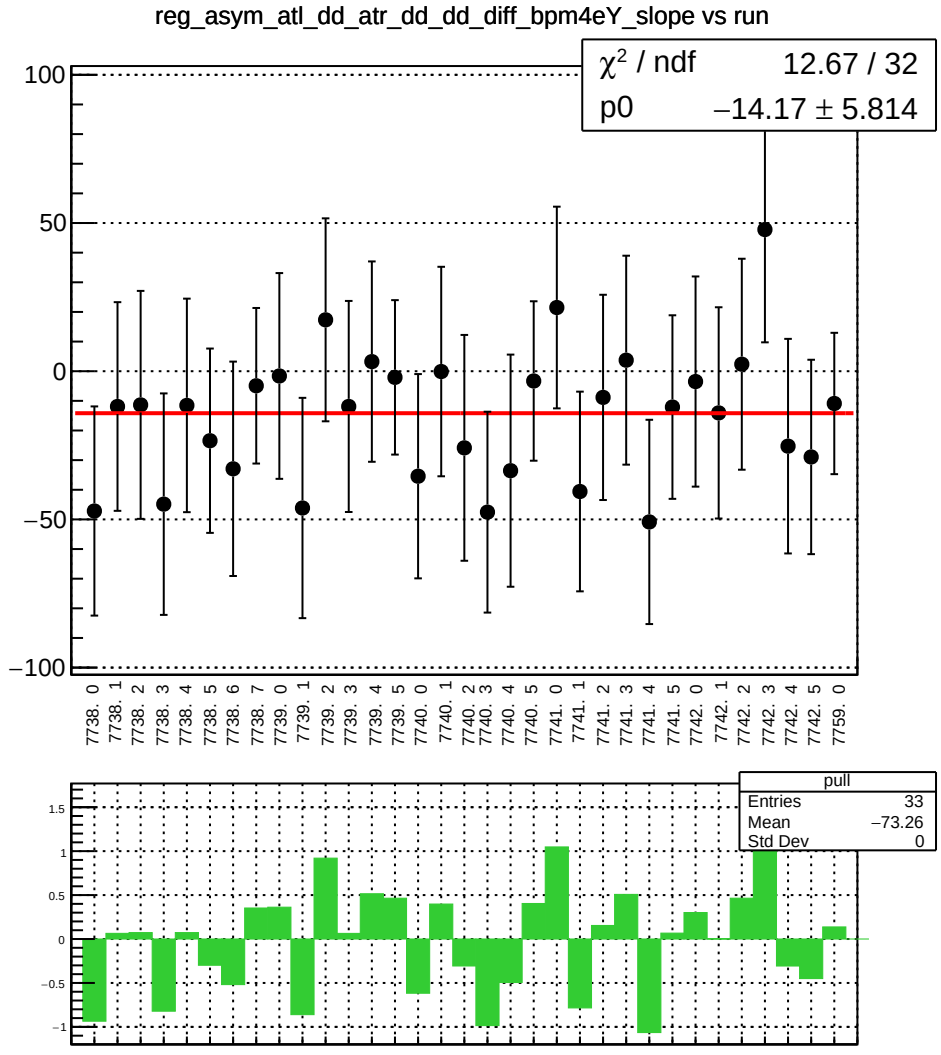

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 2.385 / 32
p0 121 ± 0.5851
126
124
122
120
118
116
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.03225
Std Dev 0.2669
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

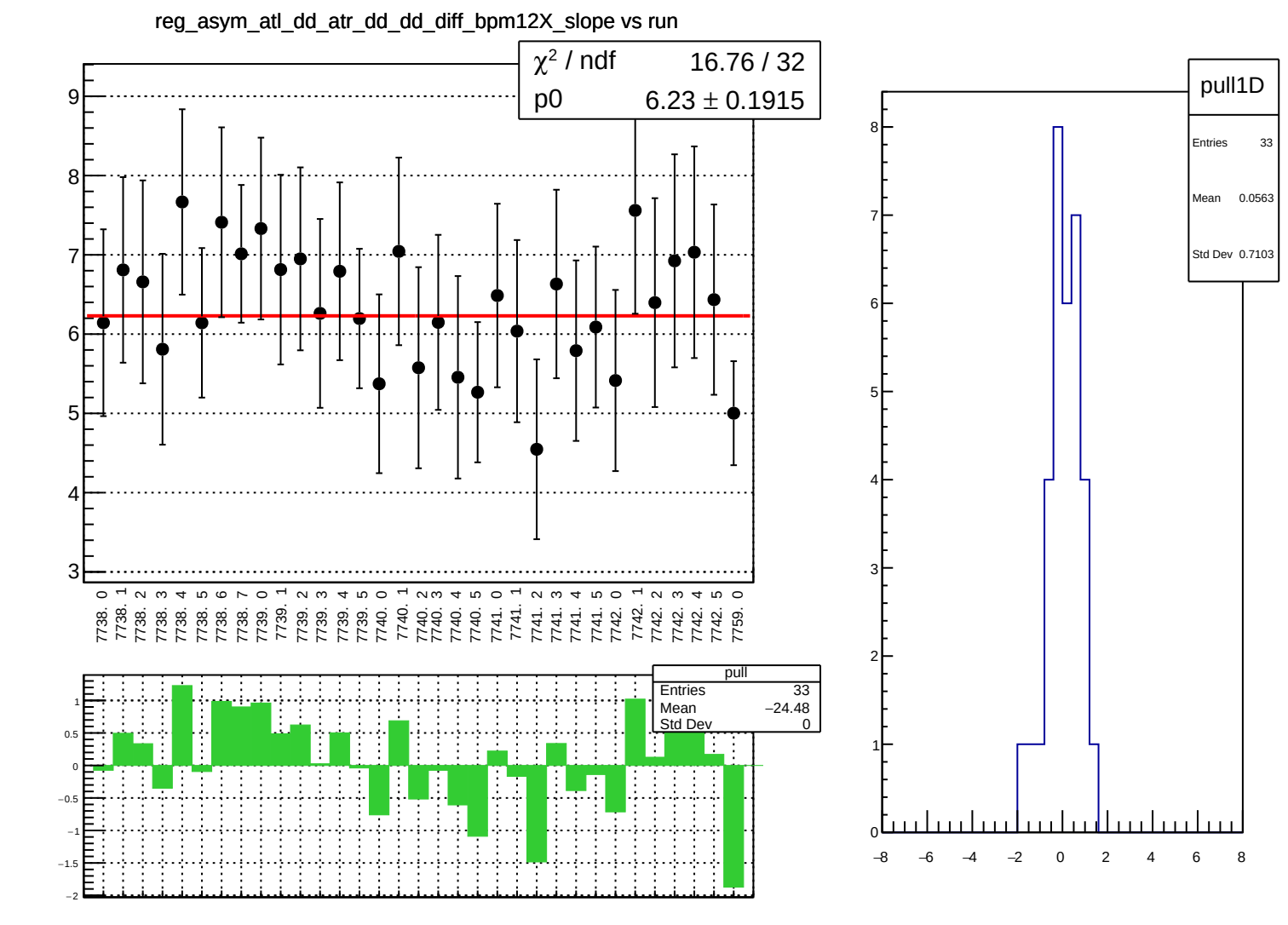

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 15.19 / 32
p0 5.978 ± 2.651
50
40
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.71
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

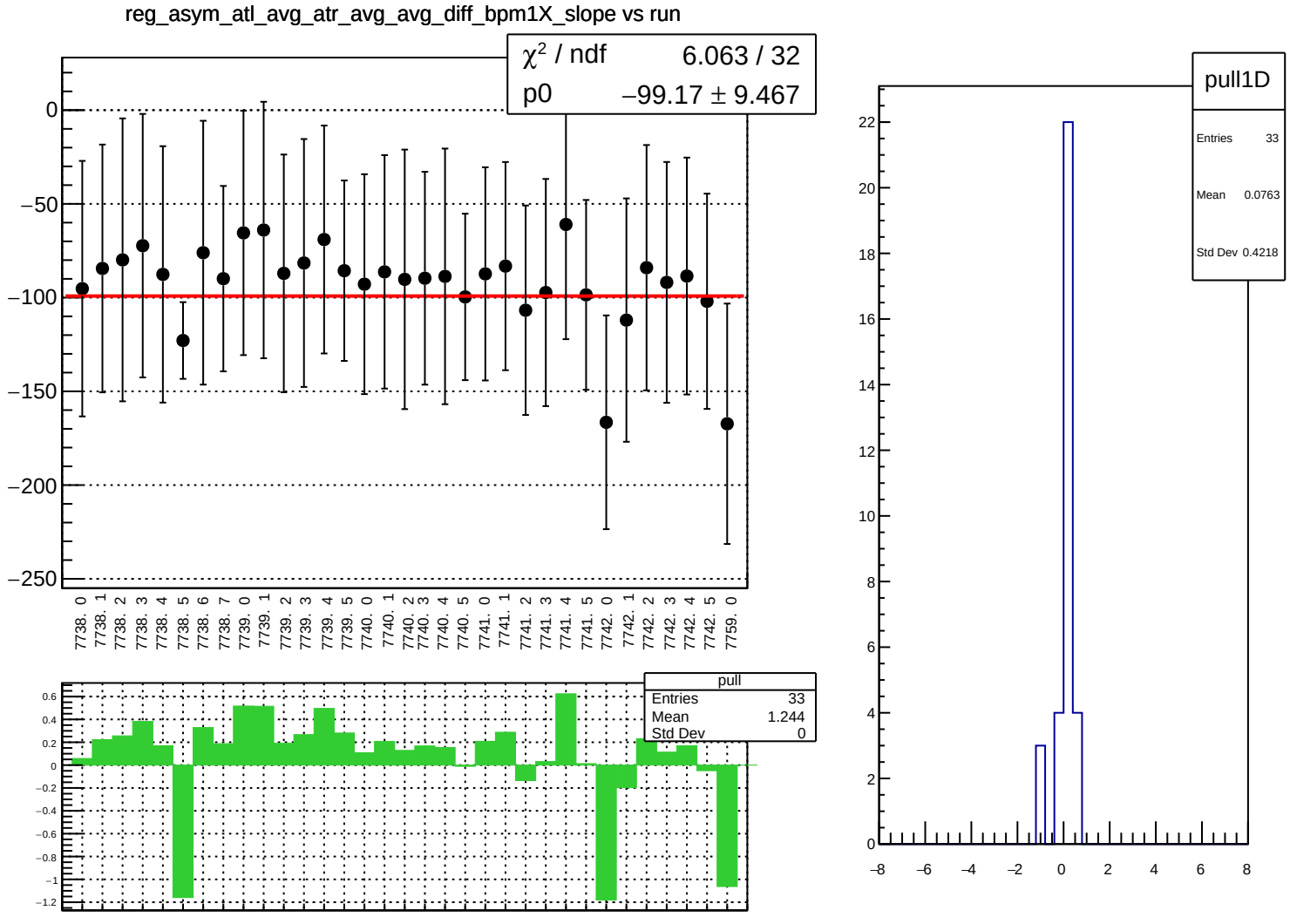

pull1D
Entries 33
Mean 0.124
Std Dev 0.667
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

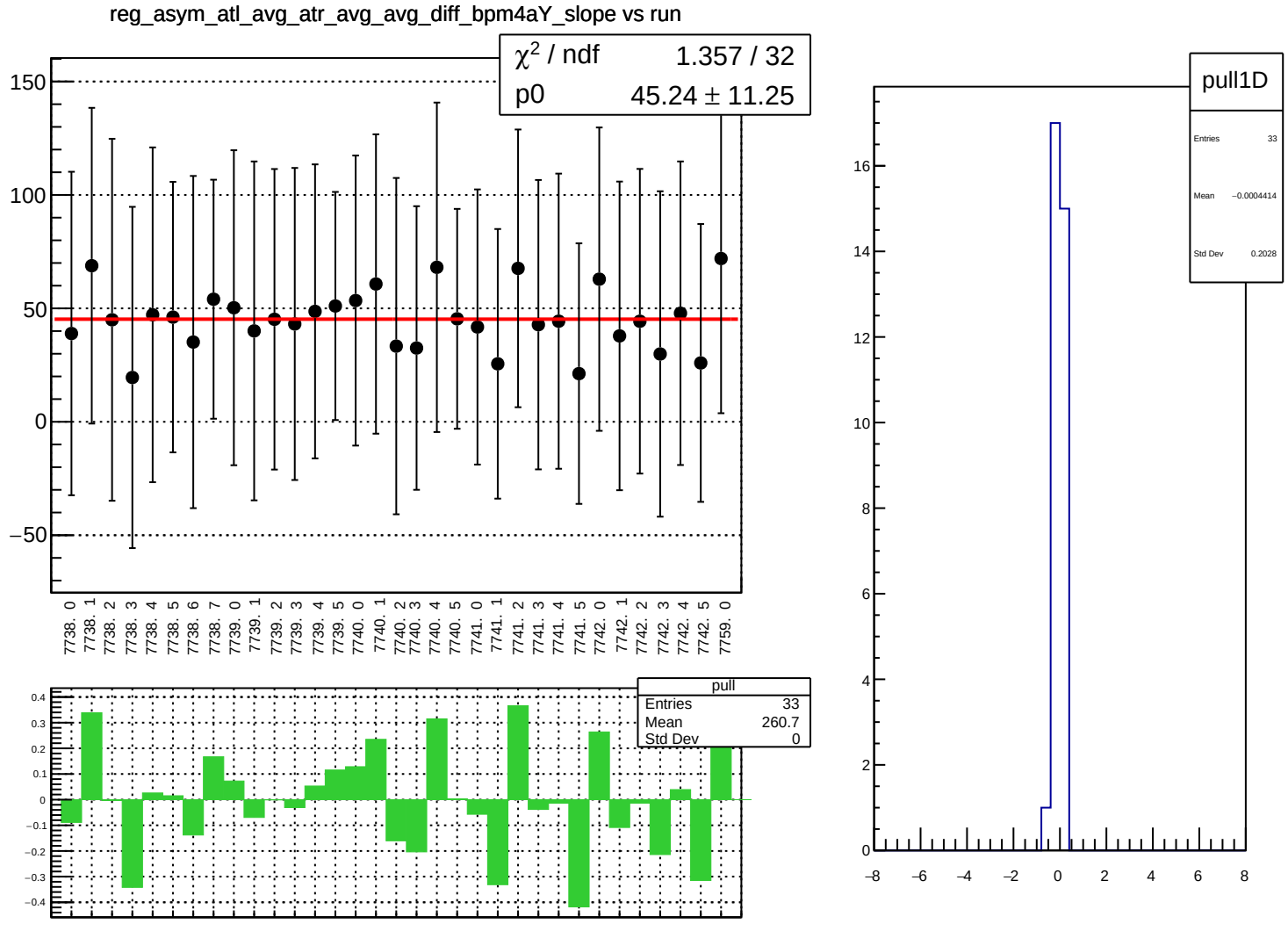

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.15 / 32
p0 3.8 ± 3.184
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.52
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01301
Std Dev 0.6311
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

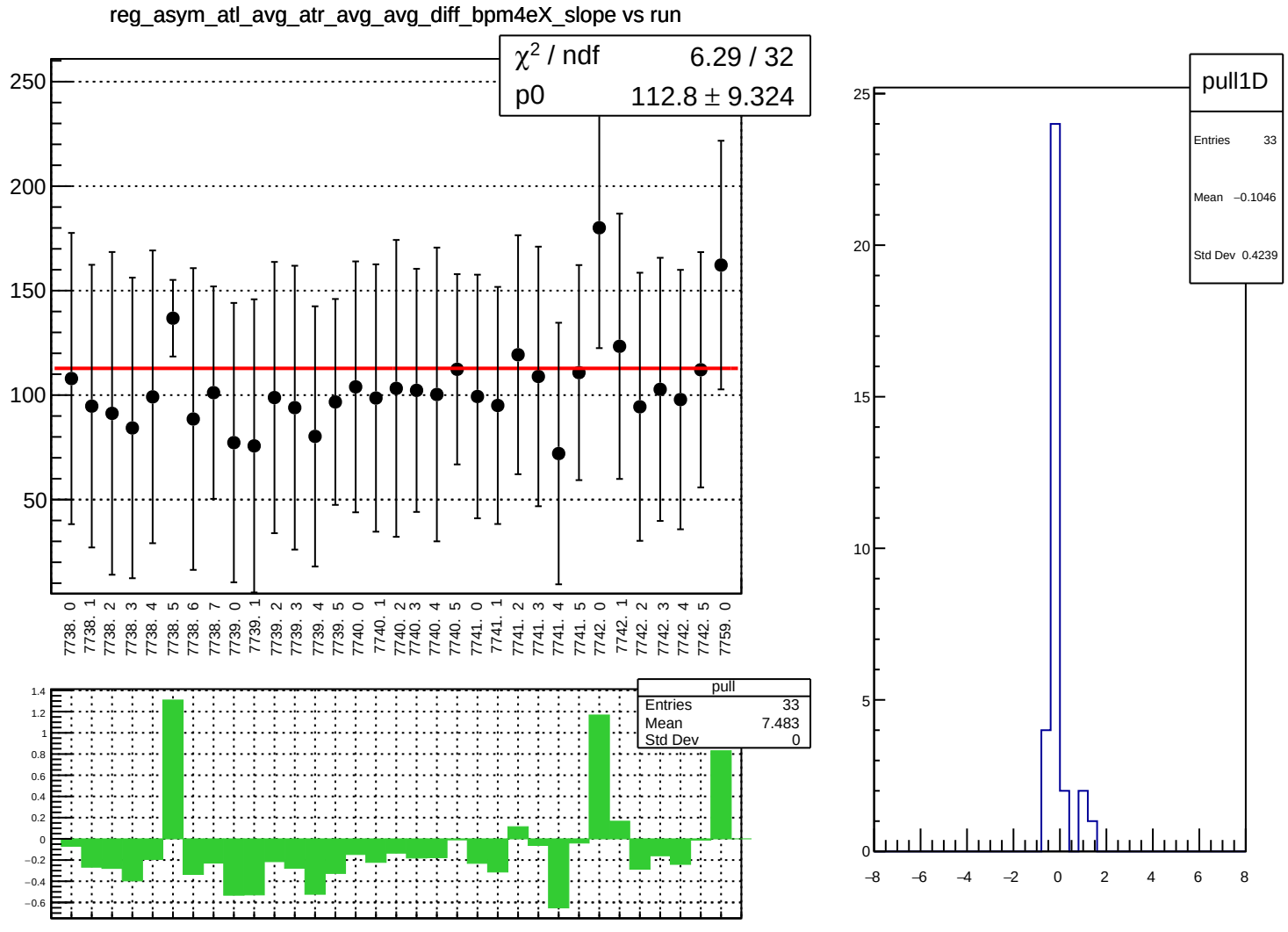

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.79 / 32
p0 64.05 ± 2.605
pull
Entries 33
Mean 25.6
Std Dev 3.208
pull1D
Entries 33
Mean −0.1392
Std Dev 0.6777

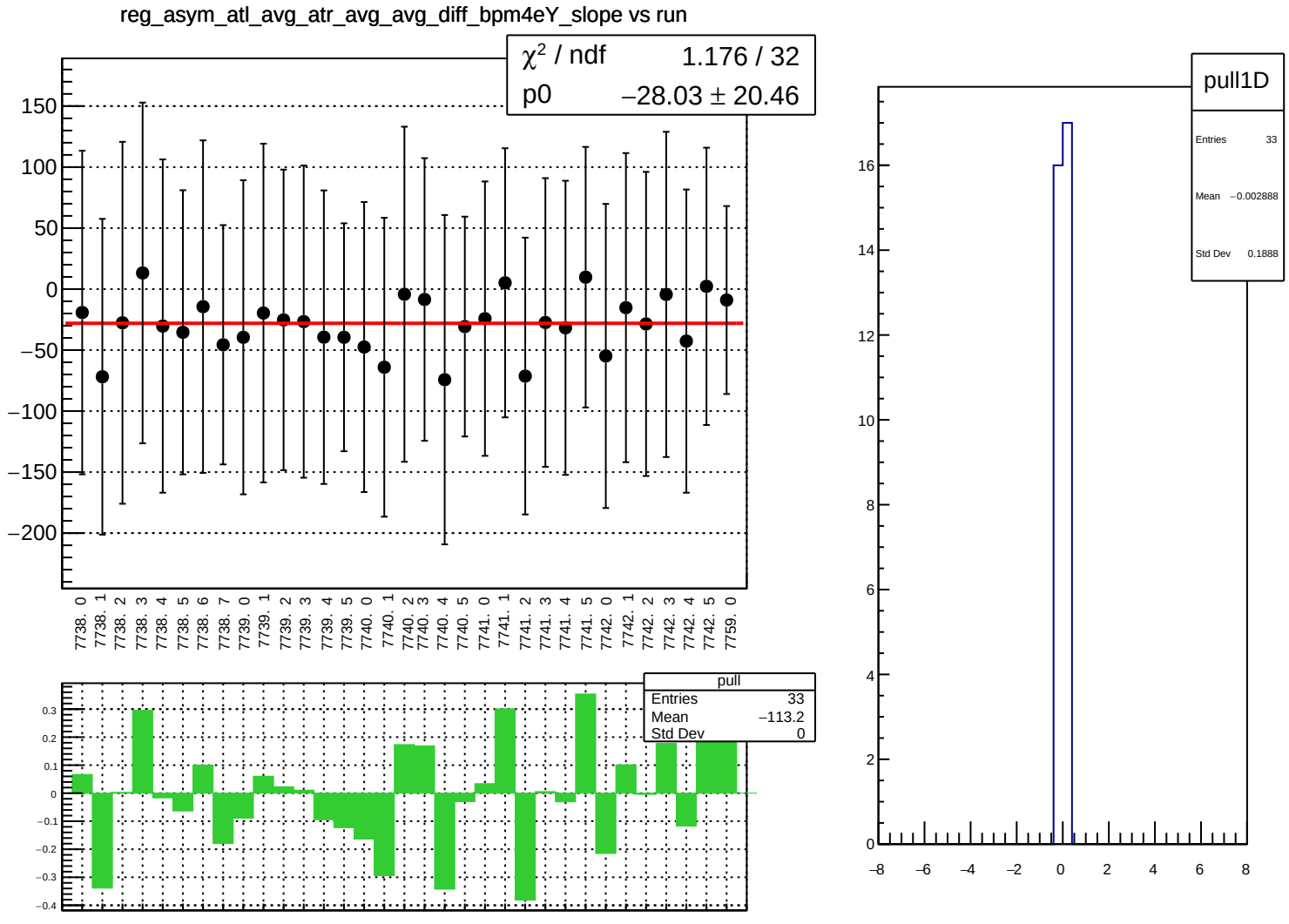

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.67 / 32
p0 −14.17 ± 5.814
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −73.26
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.01342
Std Dev 0.6194
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

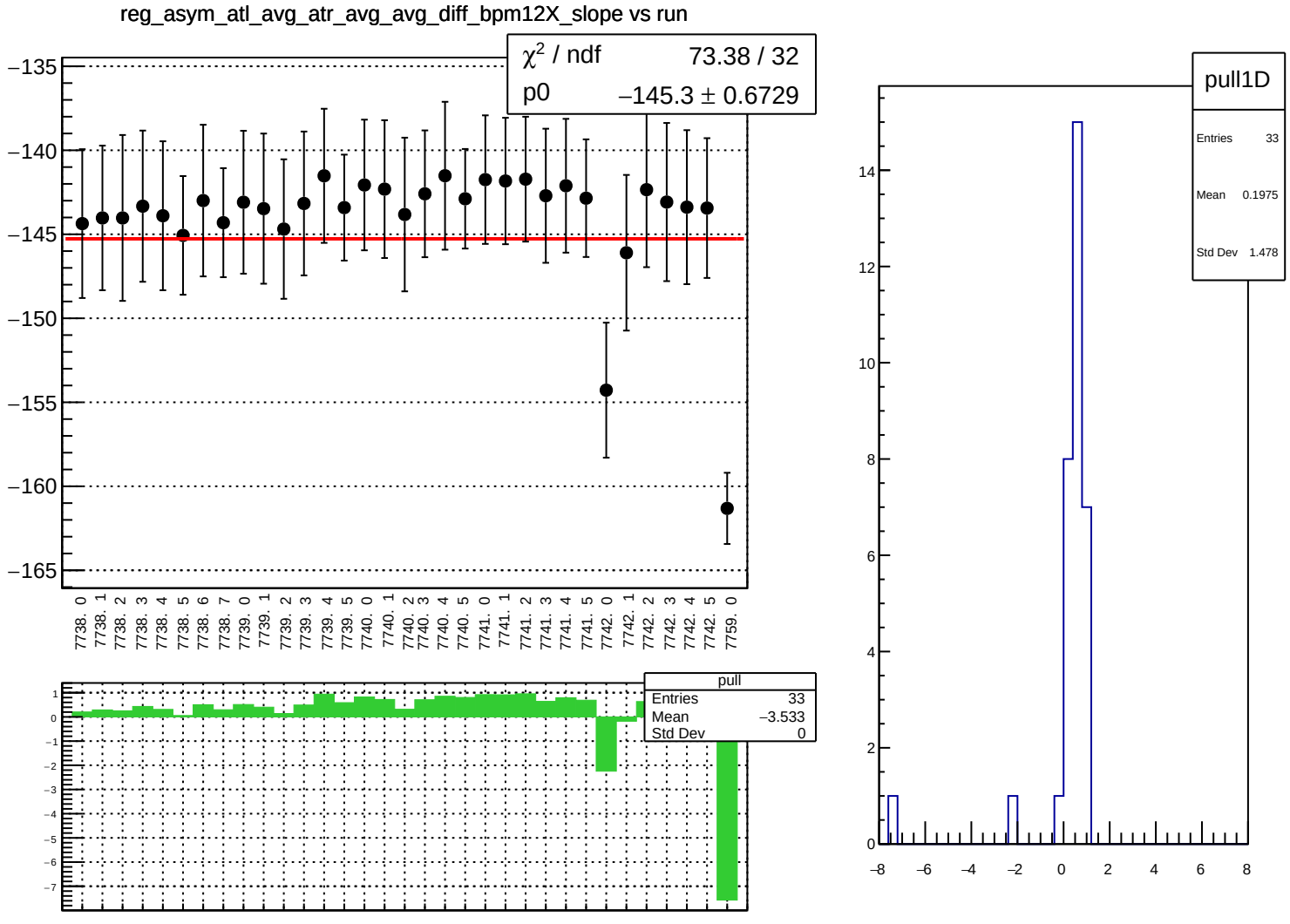

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 16.76 / 32
p0 6.23 ± 0.1915
pull
Entries 33
Mean −24.48
Std Dev 0
pull1D
Entries 33
Mean 0.0563
Std Dev 0.7103

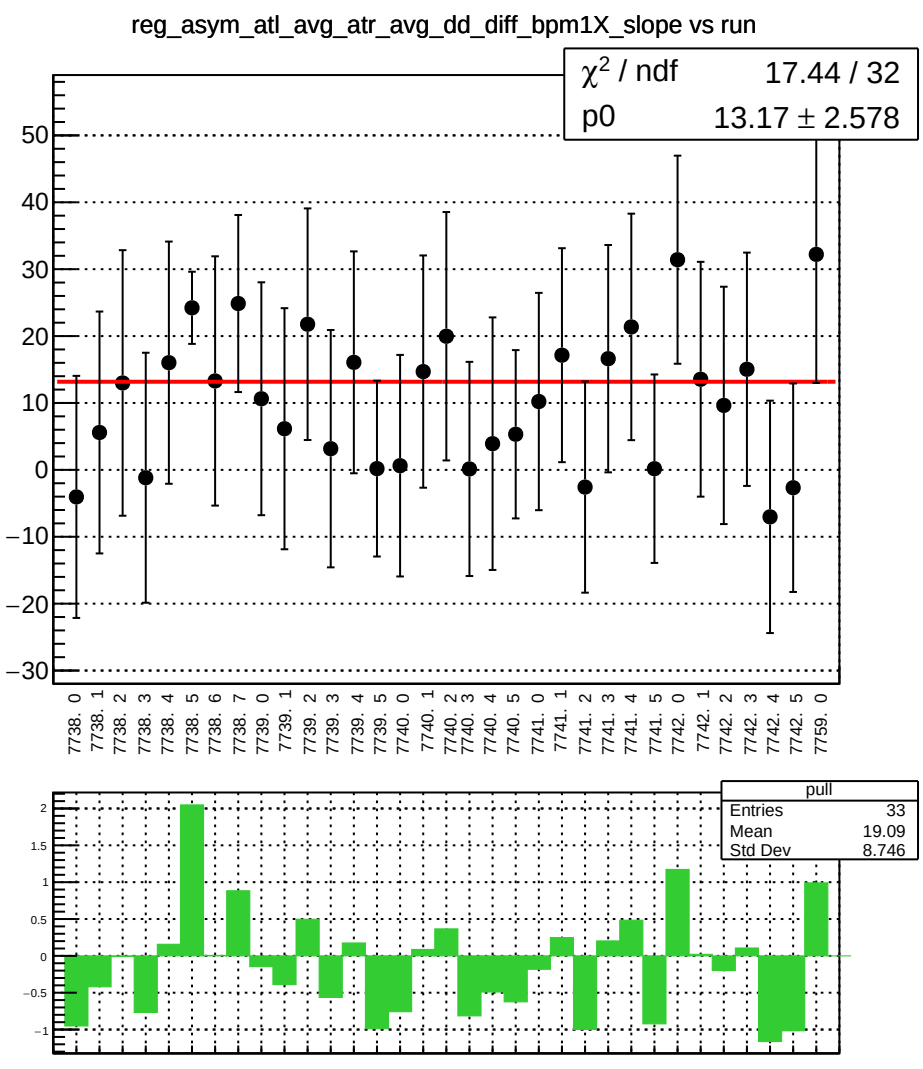

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.063 / 32
p0 −99.17 ± 9.467
0
−50
−100
−150
−200
−250
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 1.244
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 33
Mean 0.0763
Std Dev 0.4218
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

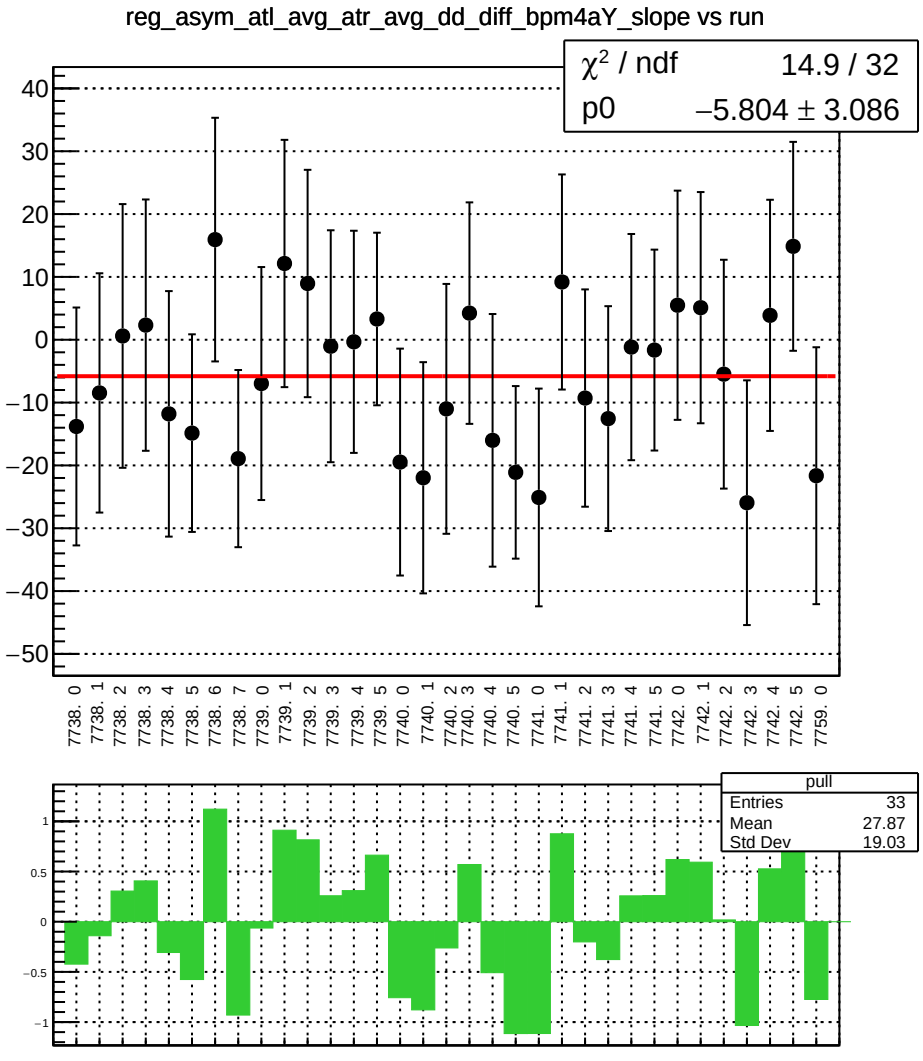

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.357 / 32
p0 45.24 ± 11.25
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 260.7
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean −0.0004414
Std Dev 0.2028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

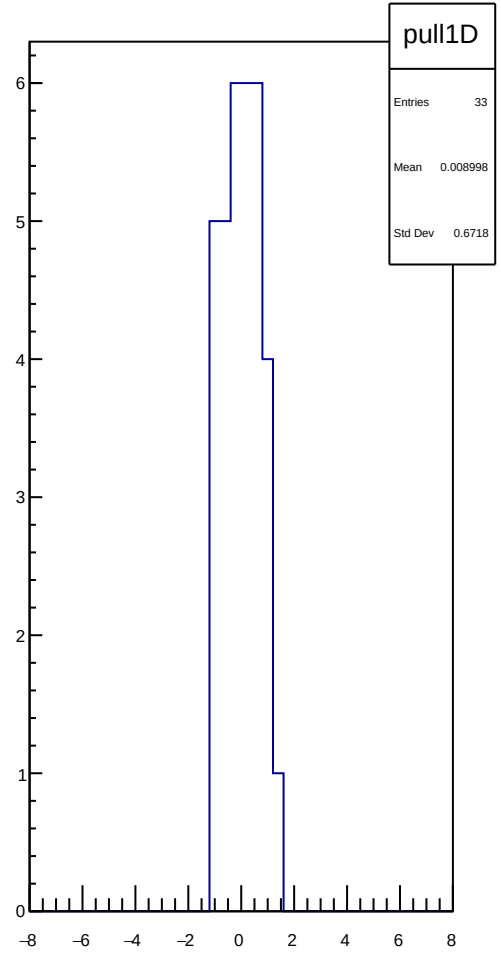

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.29 / 32
p0 112.8 ± 9.324
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.483
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.1046
Std Dev 0.4239
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

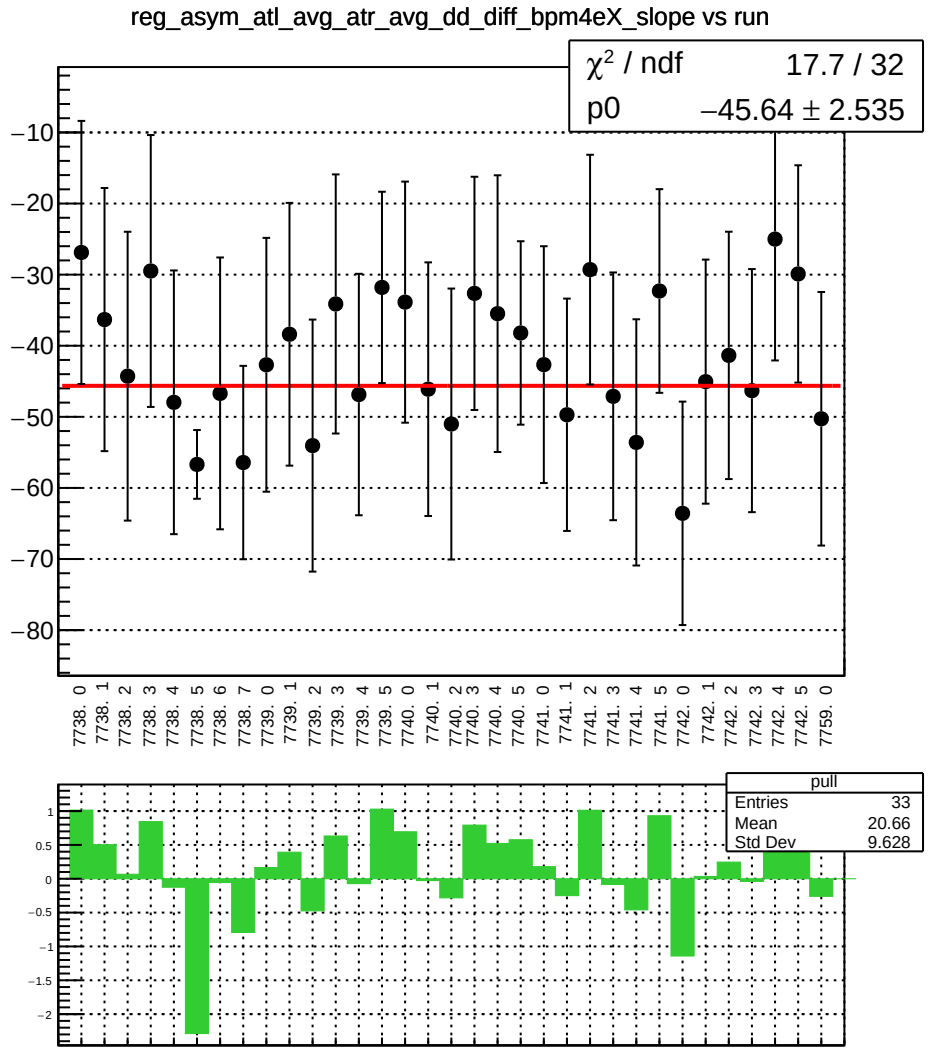

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.176 / 32
p0 −28.03 ± 20.46
150
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −113.2
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean −0.002888
Std Dev 0.1888
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

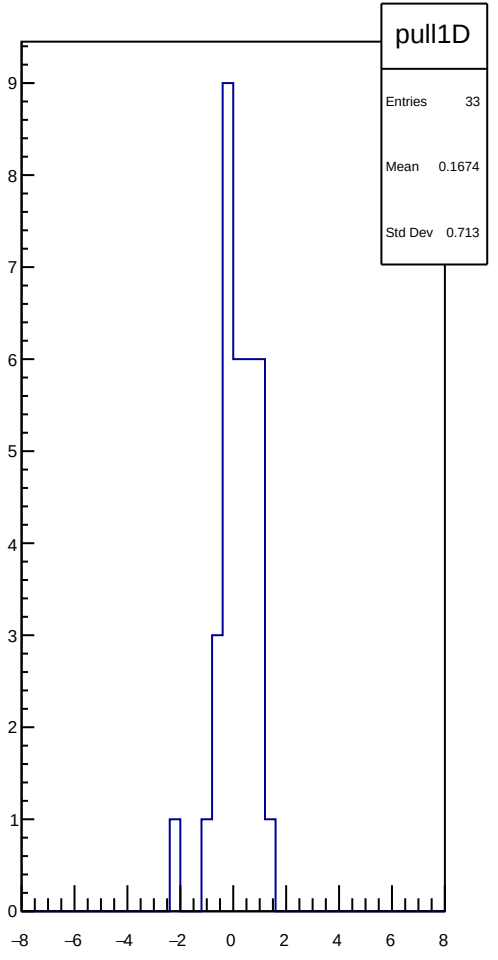

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 73.38 / 32
p0 −145.3 ± 0.6729
−135
−140
−145
−150
−155
−160
−165
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −3.533
Std Dev 0
pull1D
Entries 33
Mean 0.1975
Std Dev 1.478

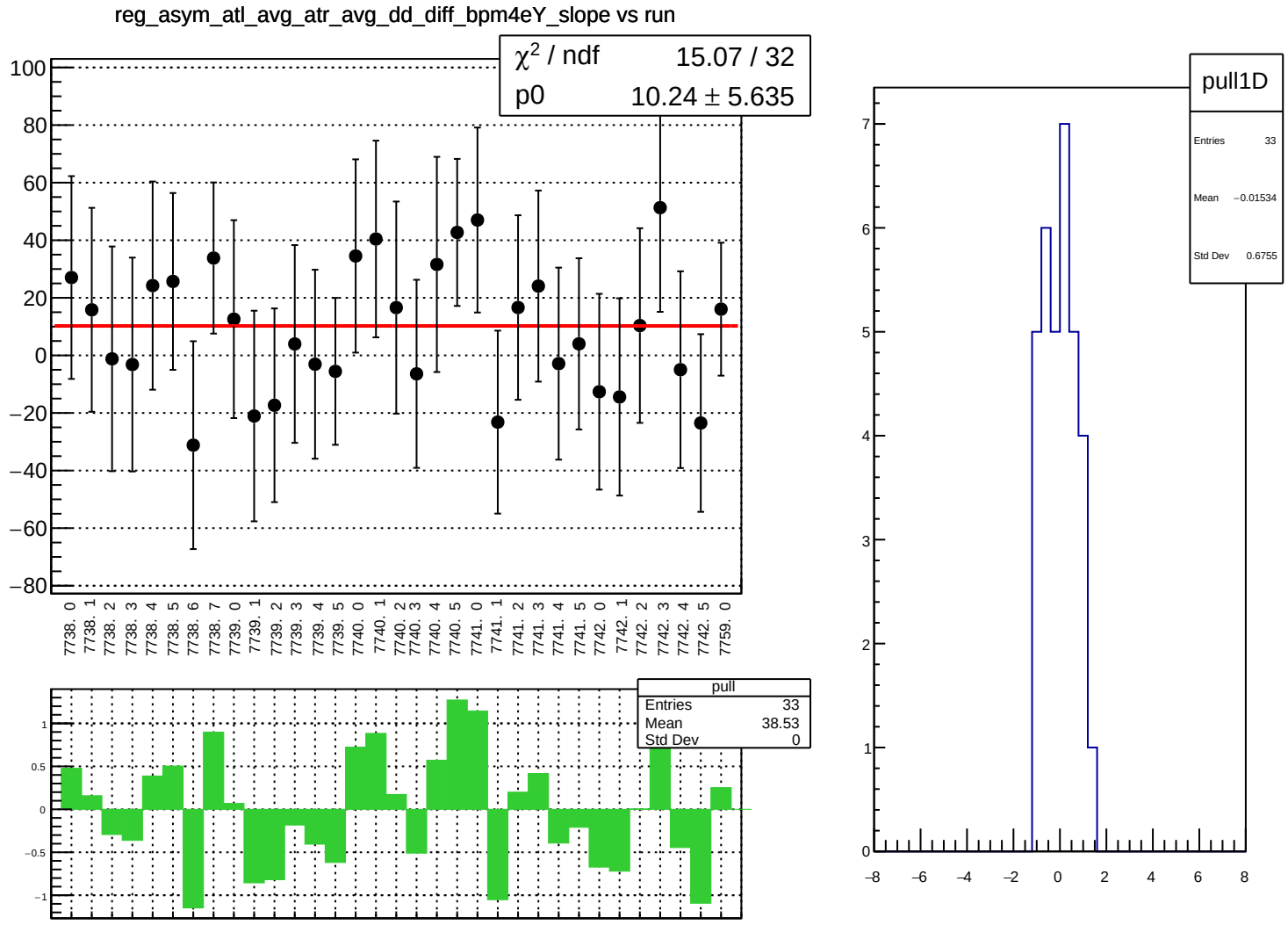

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 17.44 / 32
p0 13.17 ± 2.578
50
40
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.09
Std Dev 8.746
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.1199
Std Dev 0.717
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

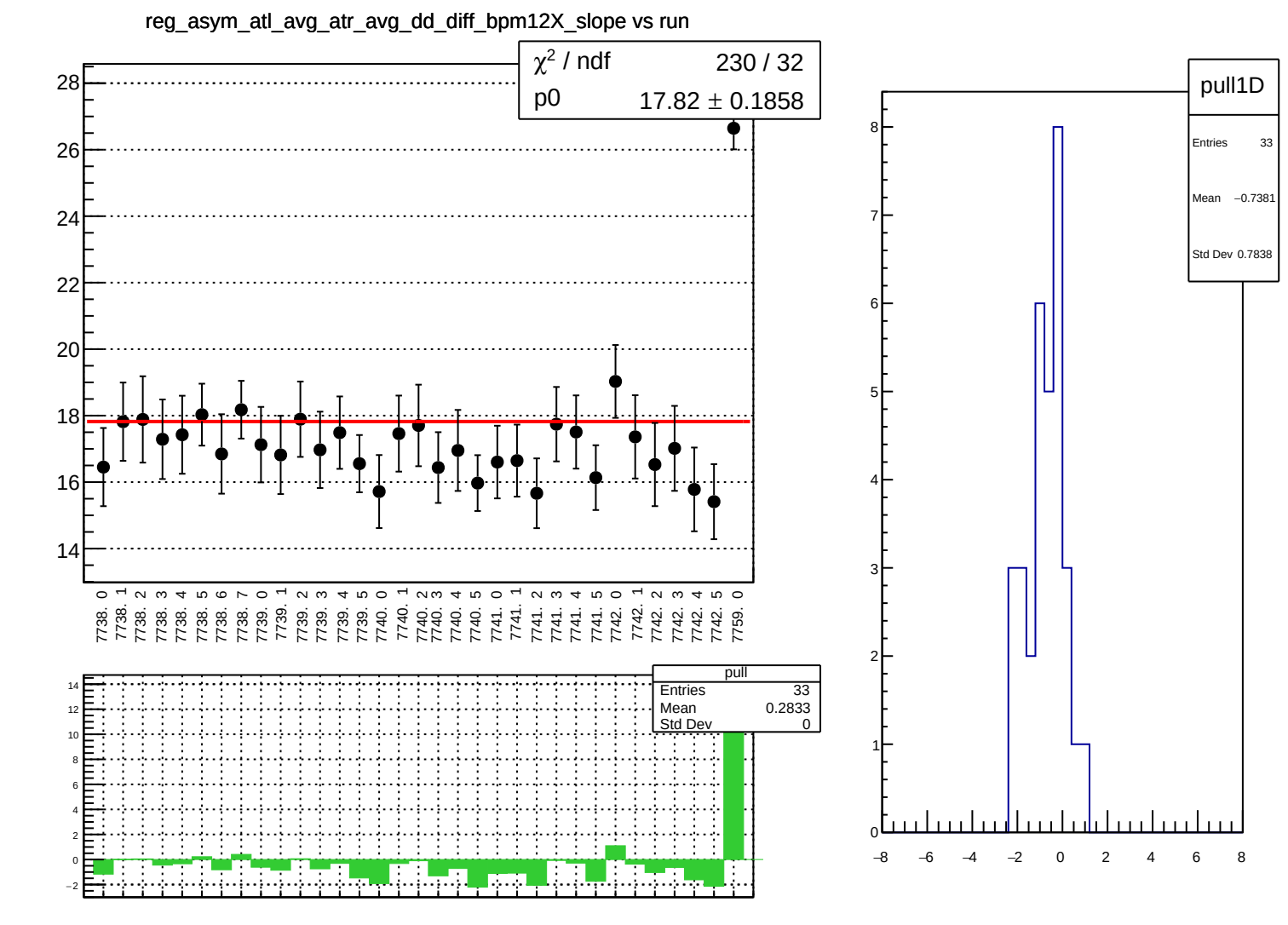

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.9 / 32
p0 −5.804 ± 3.086
pull
Entries 33
Mean 27.87
Std Dev 19.03

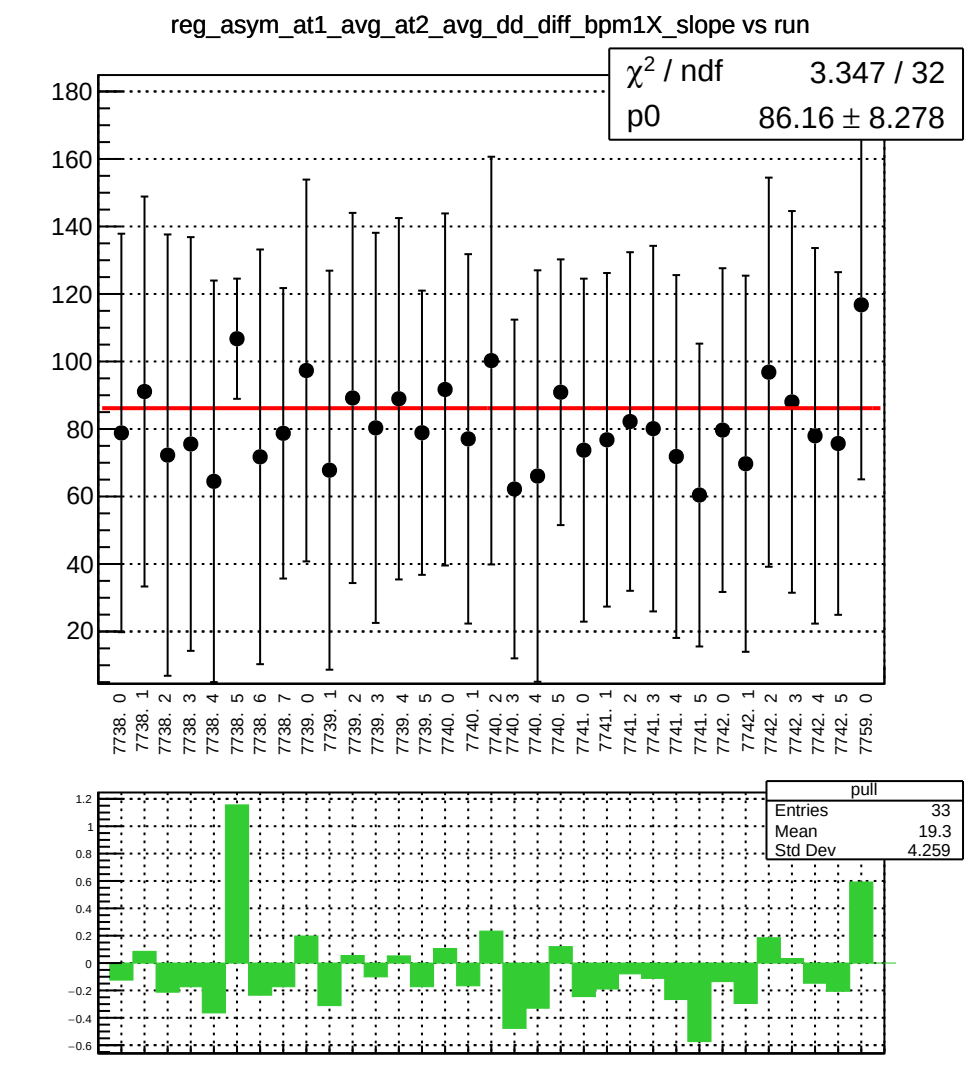

pull1D
Entries 33
Mean 0.008998
Std Dev 0.6718

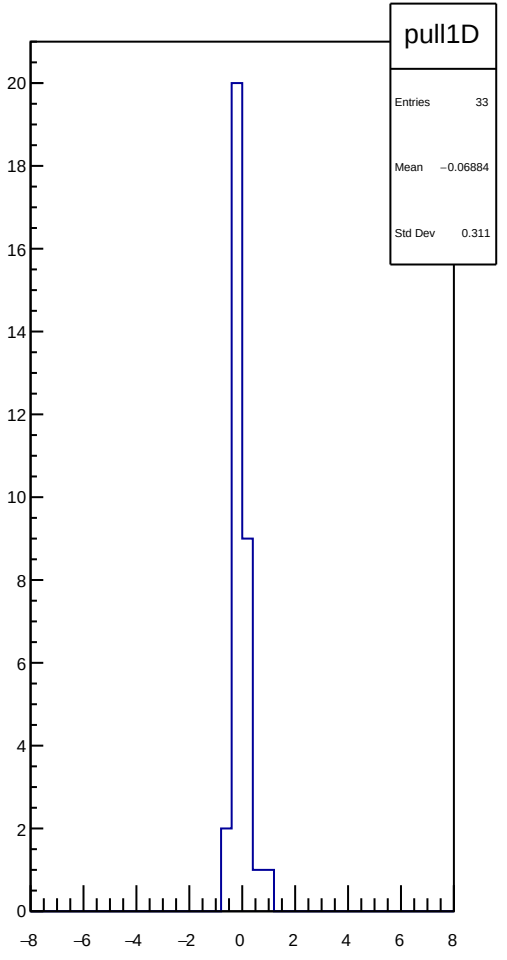

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.7 / 32
p0 −45.64 ± 2.535
−10
−20
−30
−40
−50
−60
−70
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.66
Std Dev 9.628
1
0.5
0
−0.5
−1
−1.5
−2

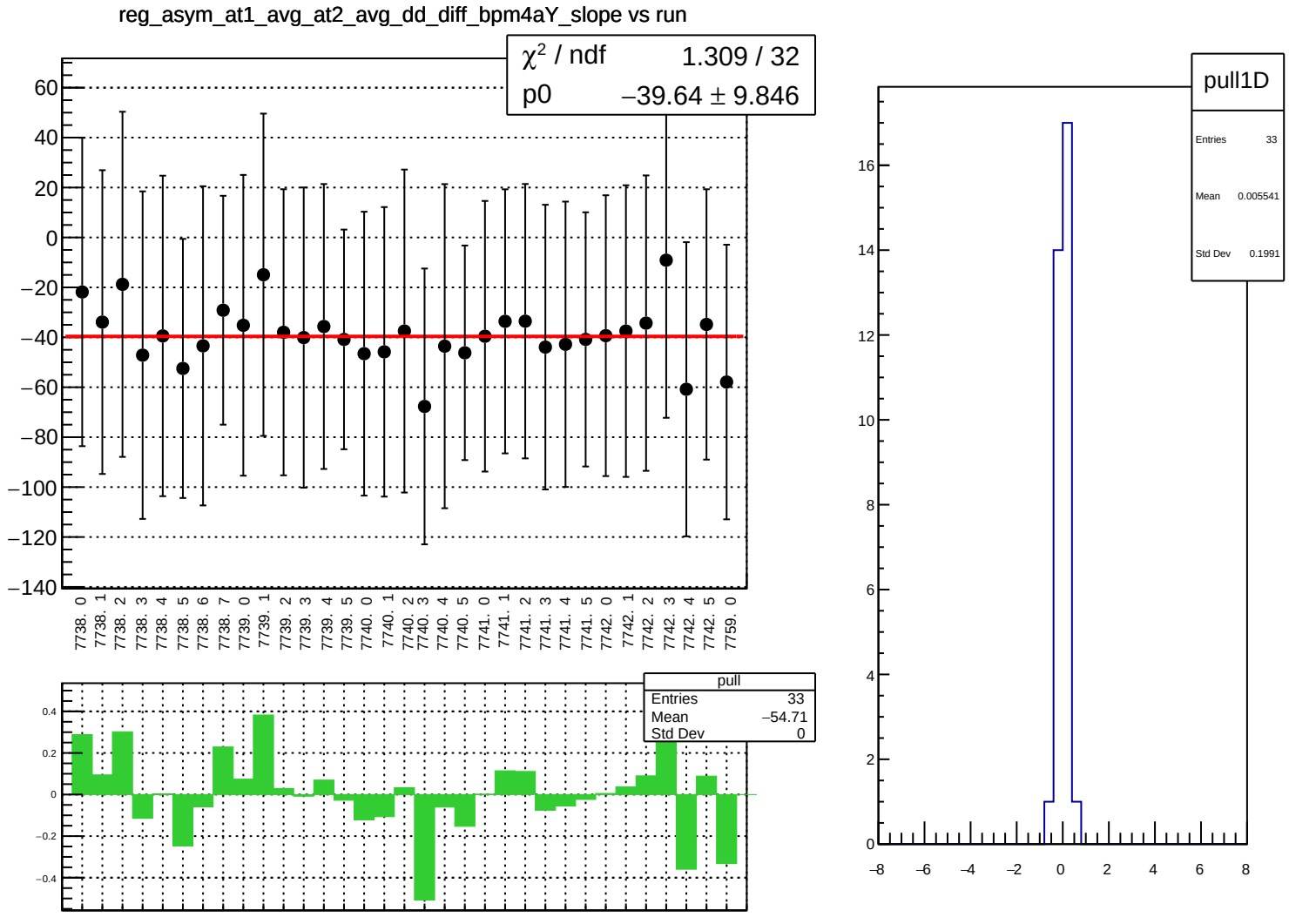

pull1D
Entries 33
Mean 0.1674
Std Dev 0.713
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

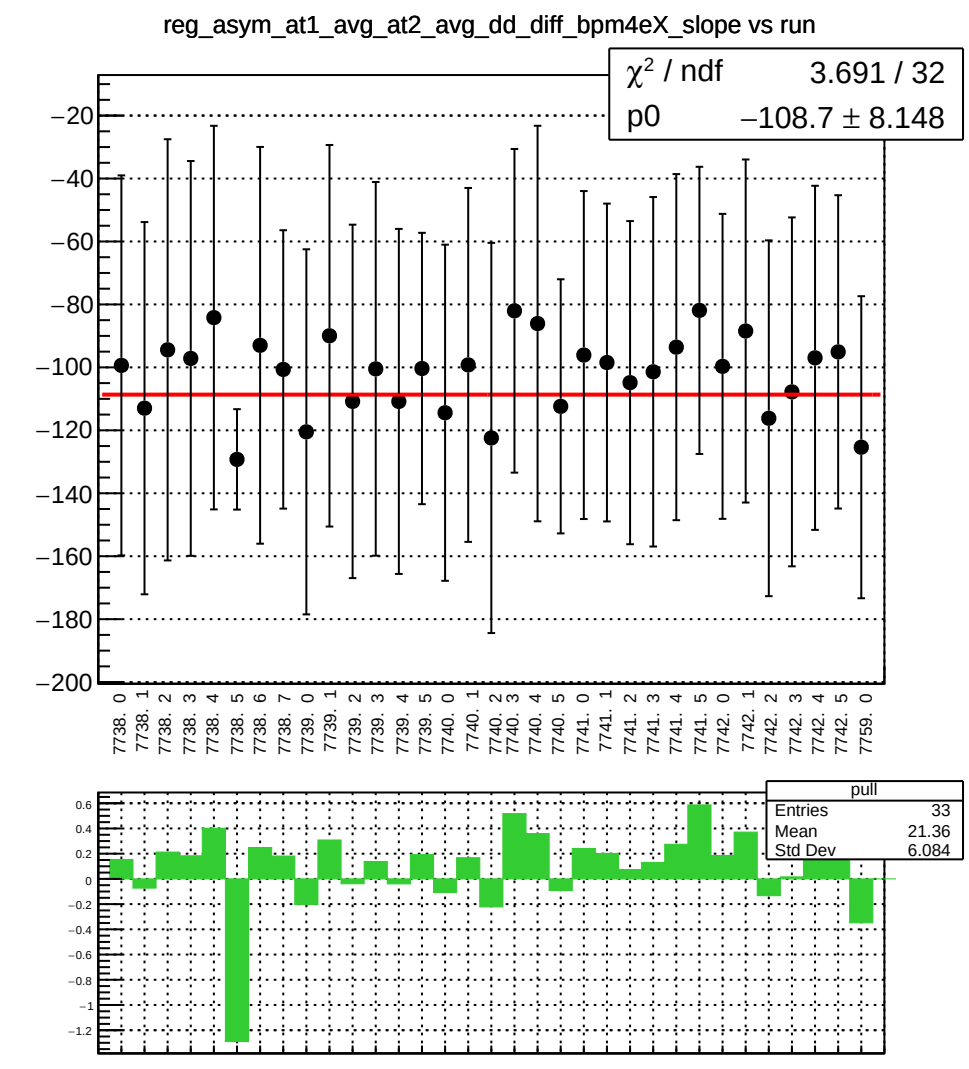

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.07 / 32
p0 10.24 ± 5.635
pull
Entries 33
Mean 38.53
Std Dev 0
pull1D
Entries 33
Mean −0.01534
Std Dev 0.6755

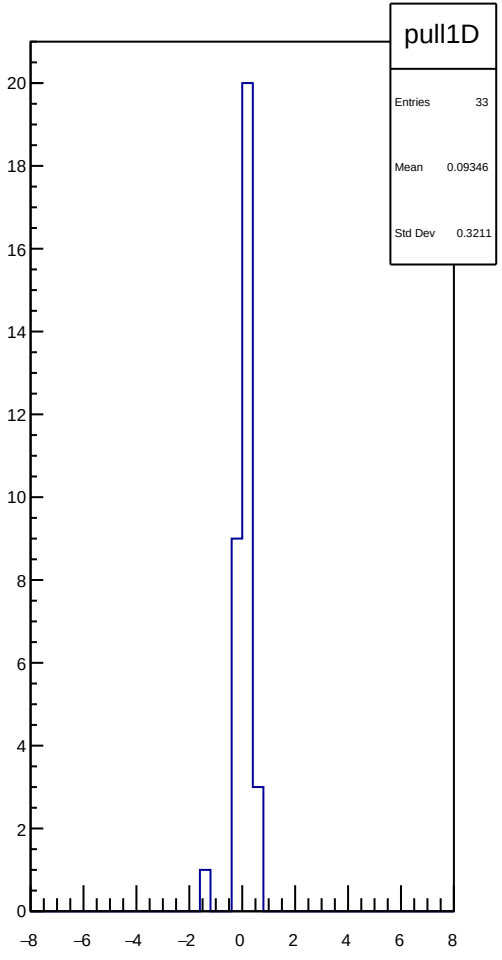

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 230 / 32
p0 17.82 ± 0.1858
28
26
24
22
20
18
16
14
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.2833
Std Dev 0
14
12
10
8
6
4
2
0
−2
pull1D
Entries 33
Mean −0.7381
Std Dev 0.7838
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

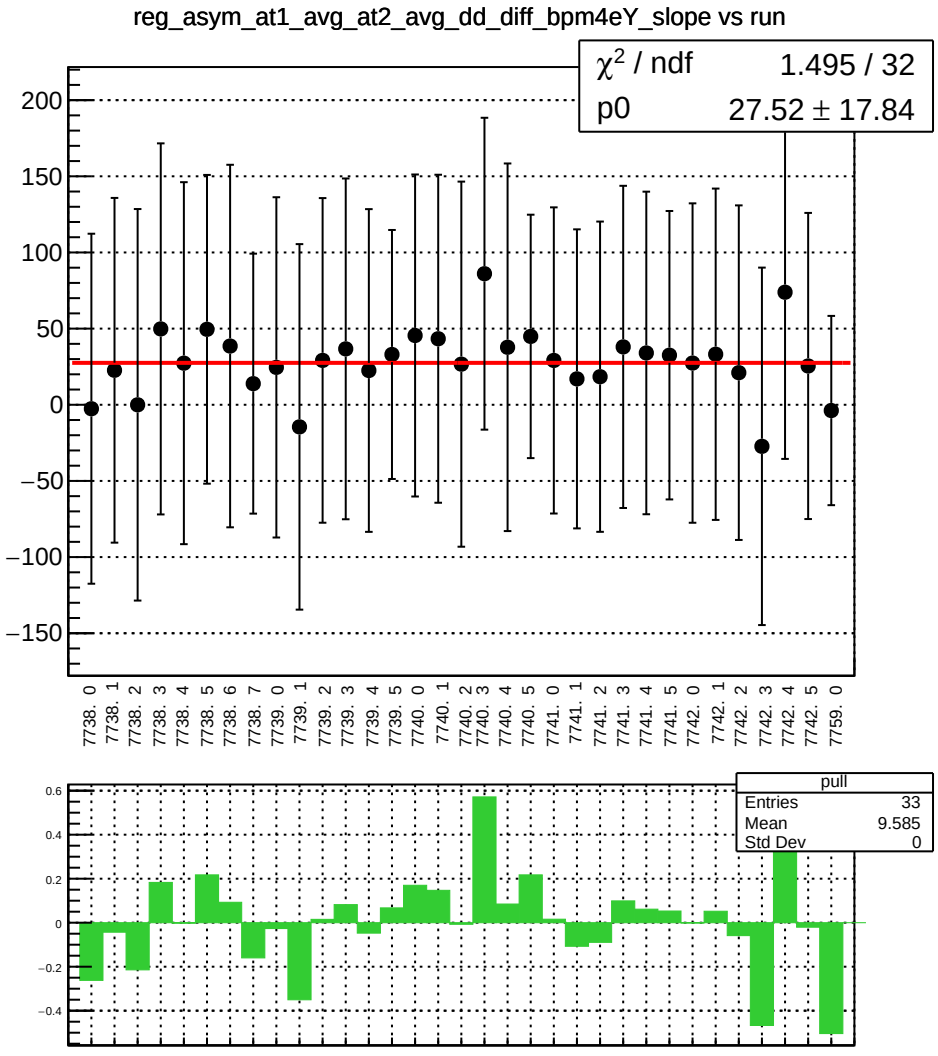

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 3.347 / 32
p0 86.16 ± 8.278
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.3
Std Dev 4.259
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6


pull1D
Entries 33
Mean −0.06884
Std Dev 0.311
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.309 / 32
p0 −39.64 ± 9.846
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −54.71
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.005541
Std Dev 0.1991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.691 / 32
p0 −108.7 ± 8.148
pull
Entries 33
Mean 21.36
Std Dev 6.084


pull1D
Entries 33
Mean 0.09346
Std Dev 0.3211


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.495 / 32
p0 27.52 ± 17.84
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.585
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.005856
Std Dev 0.2127
14
12
10
8
6
4
2
0
−8
−6
−4
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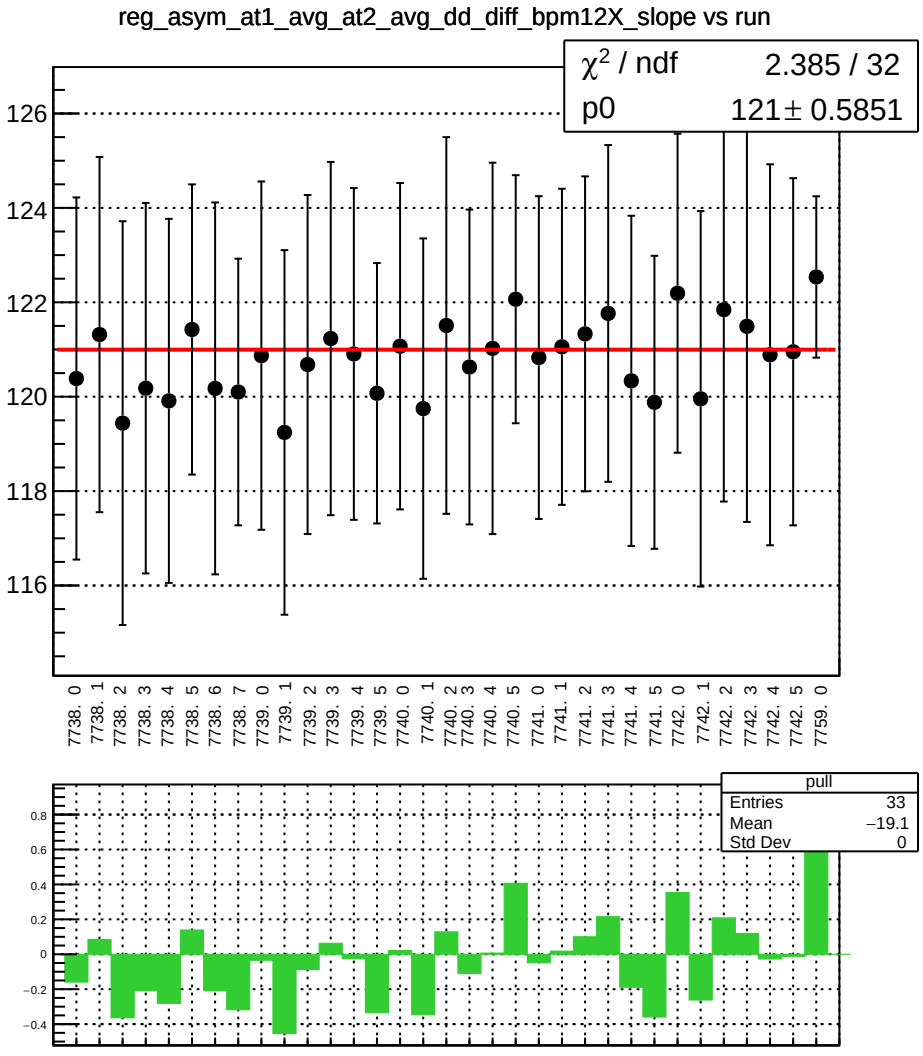
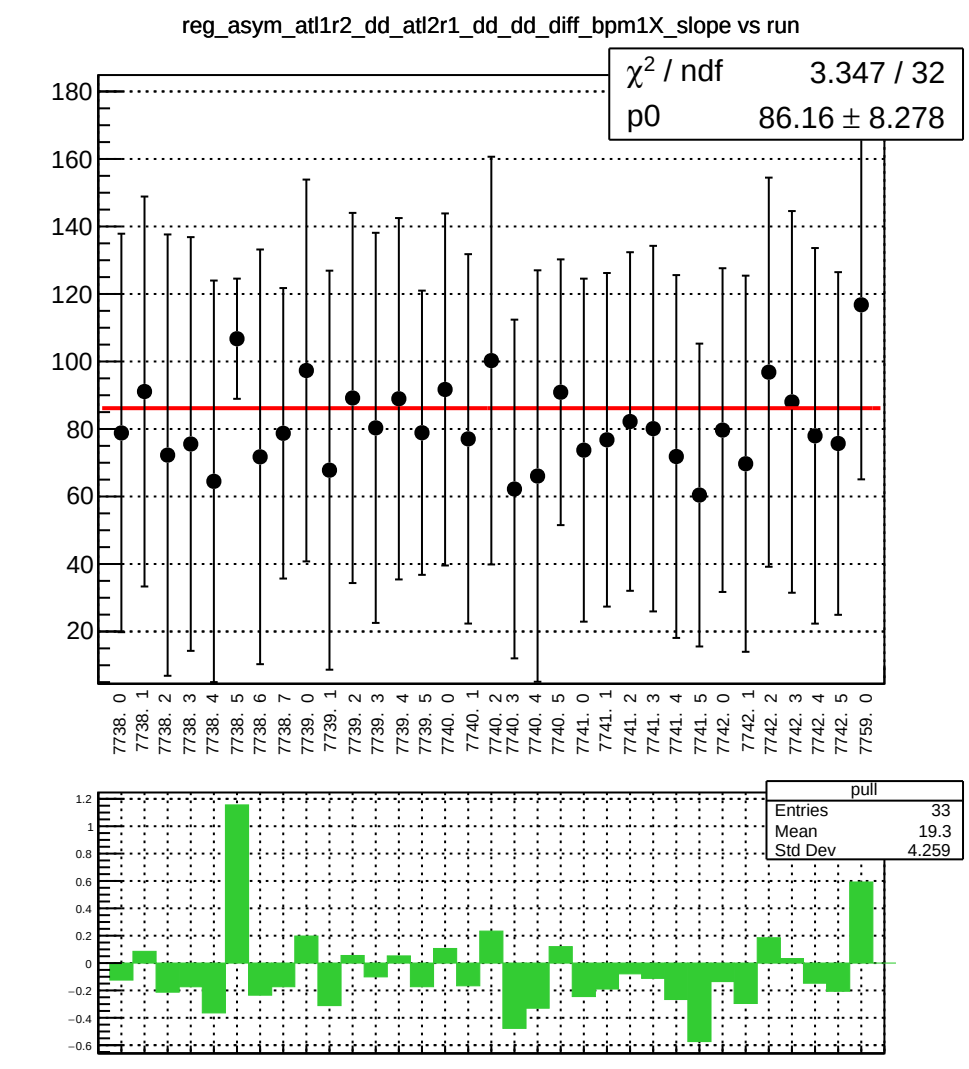
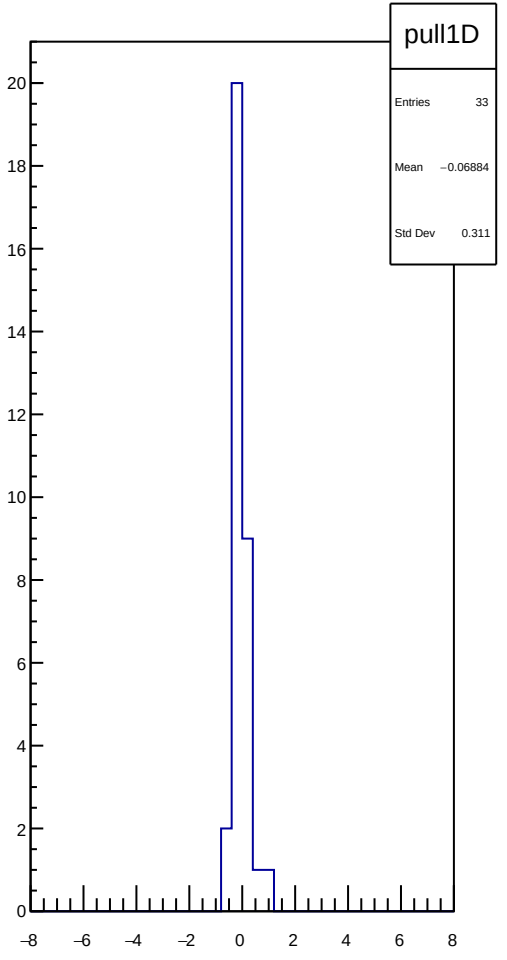
2
4
6
8


reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 2.385 / 32
p0 121 ± 0.5851
126
124
122
120
118
116
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.03225
Std Dev 0.2669
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 3.347 / 32
p0 86.16 ± 8.278
180
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.3
Std Dev 4.259
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6


pull1D
Entries 33
Mean −0.06884
Std Dev 0.311
20
18
16
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10
8
6
4
2
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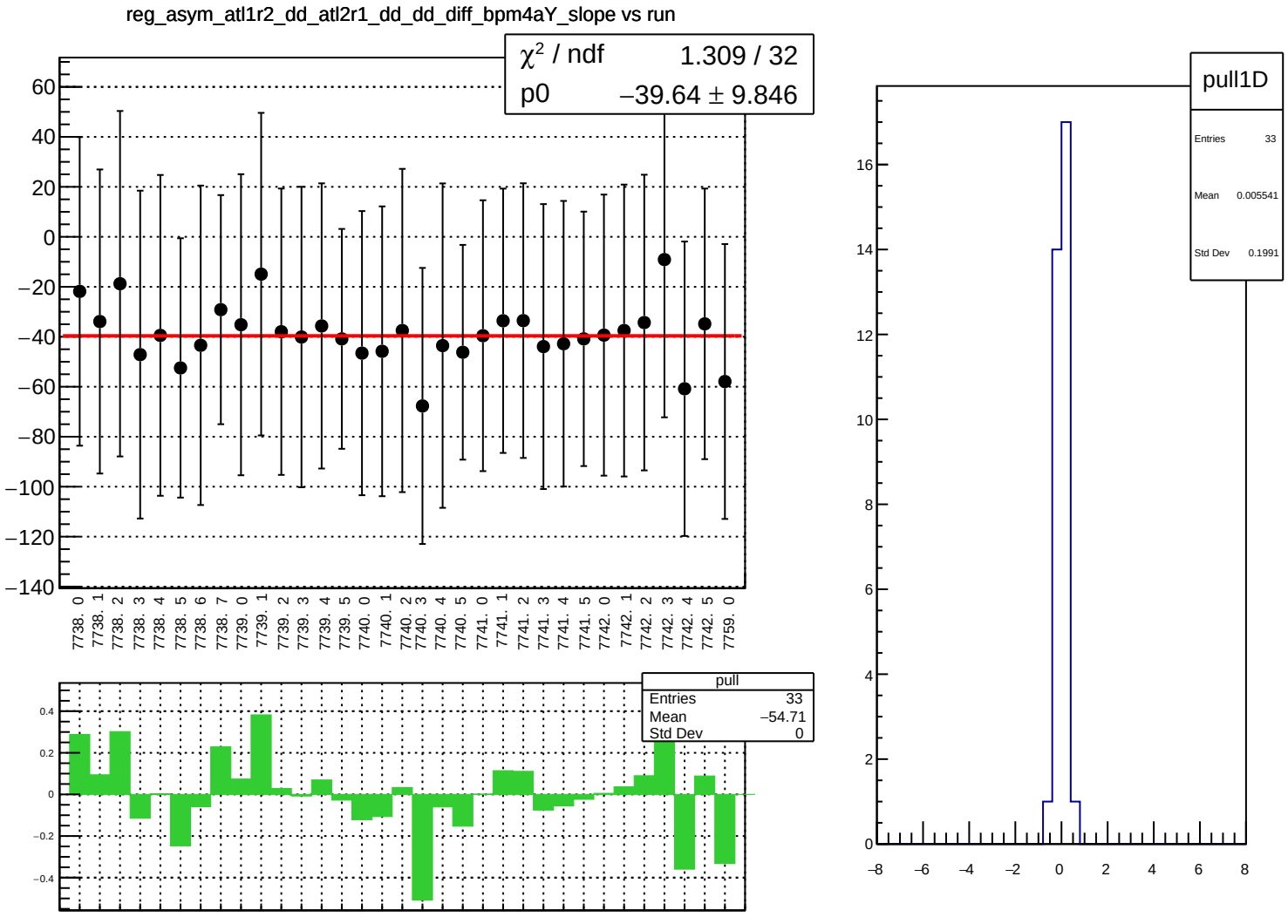
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.309 / 32
p0 −39.64 ± 9.846
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −54.71
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.005541
Std Dev 0.1991
16
14
12
10
8
6
4
2
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−8
−6
−4
−2
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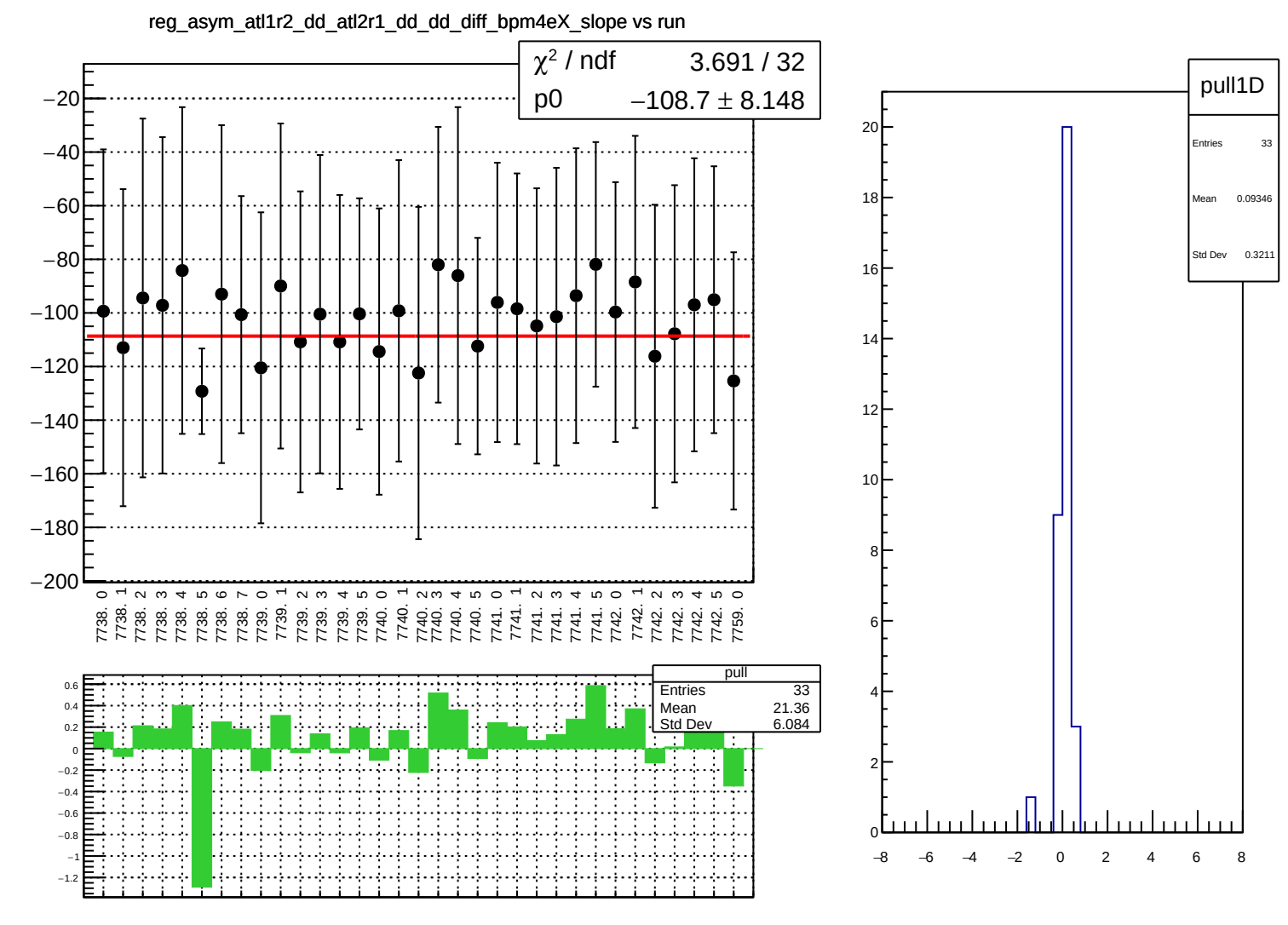
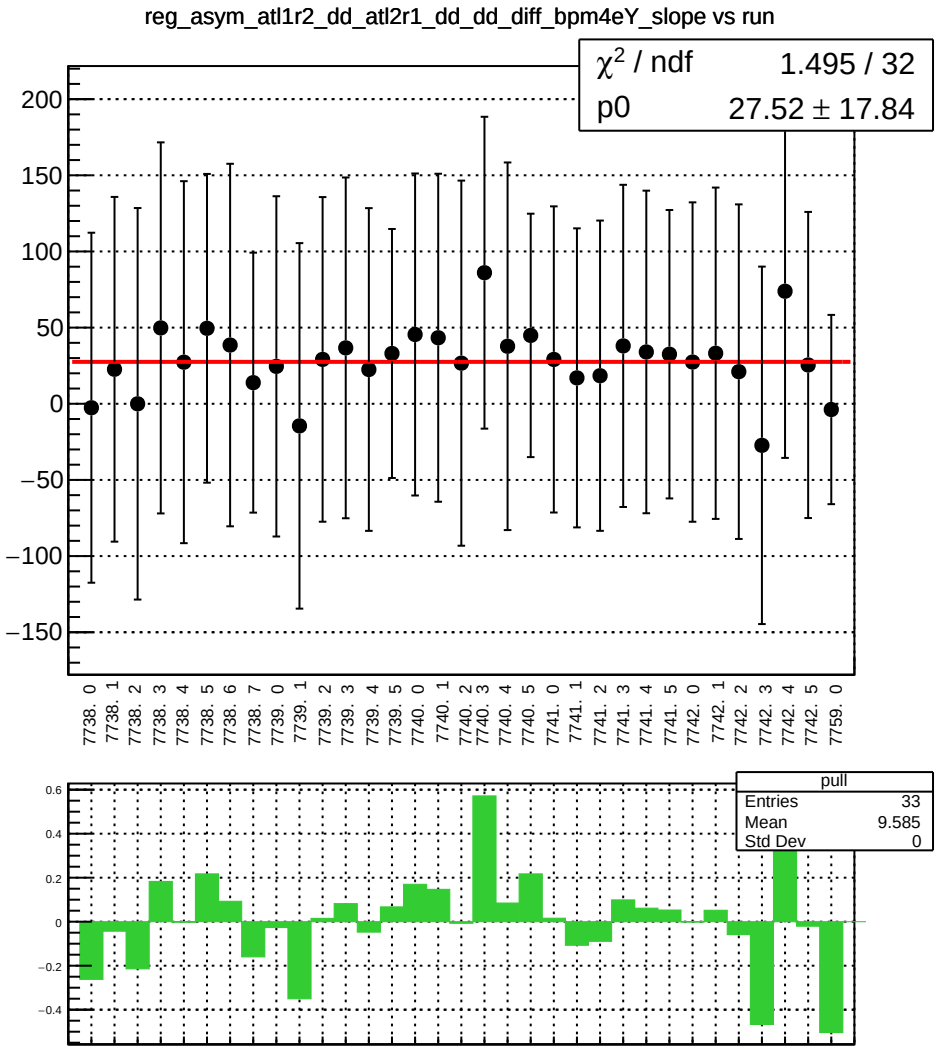
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.691 / 32
p0 −108.7 ± 8.148
pull
Entries 33
Mean 21.36
Std Dev 6.084
pull1D
Entries 33
Mean 0.09346
Std Dev 0.3211


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.495 / 32
p0 27.52 ± 17.84
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 9.585
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.005856
Std Dev 0.2127
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12
10
8
6
4
2
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−8
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−4
−2
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2
4
6
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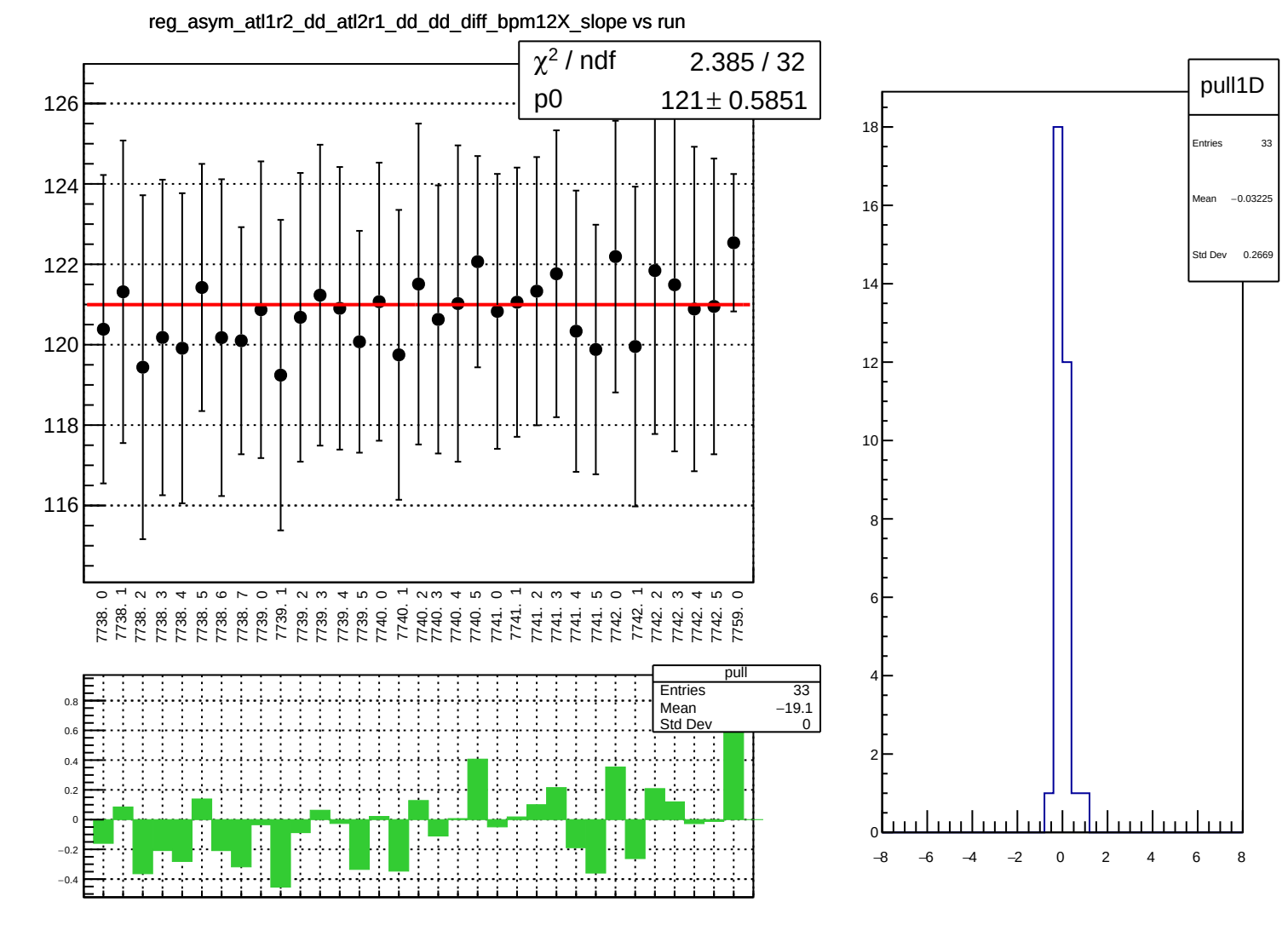
reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 2.385 / 32
p0 121 ± 0.5851
126
124
122
120
118
116
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
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7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −19.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.03225
Std Dev 0.2669
18
16
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10
8
6
4
2
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−8
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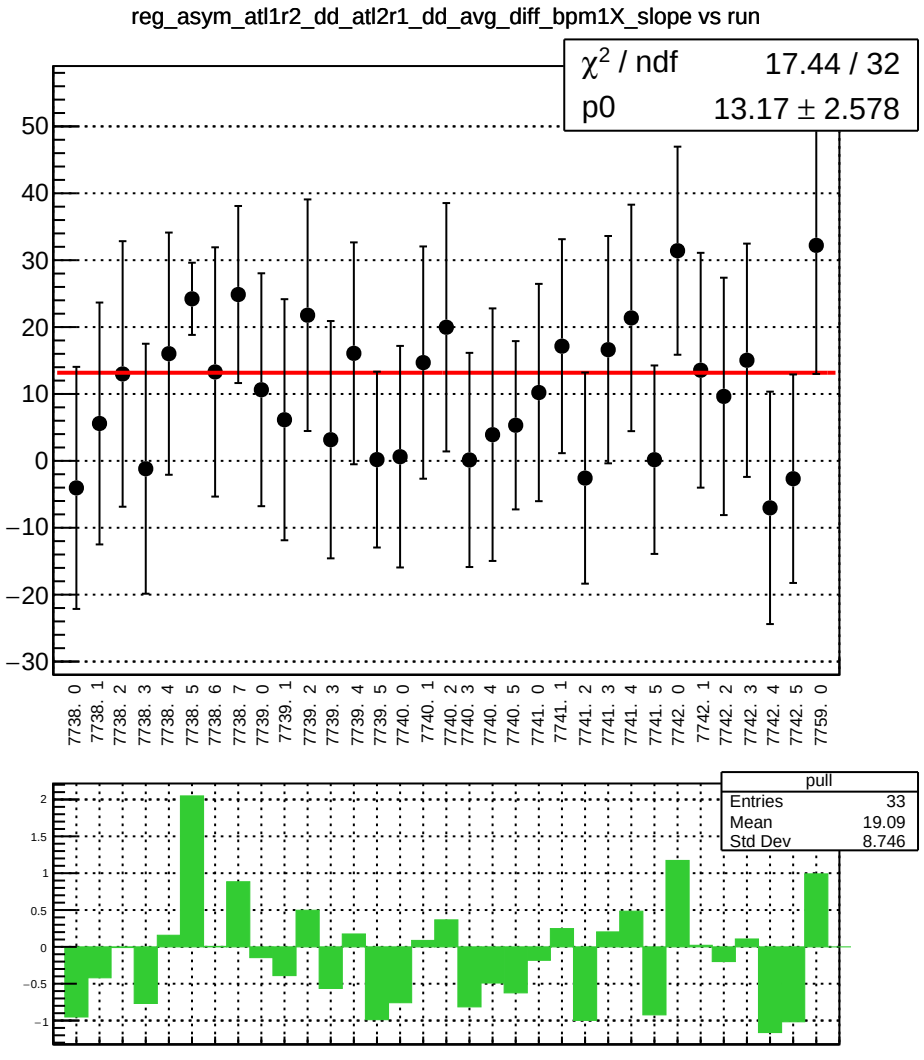
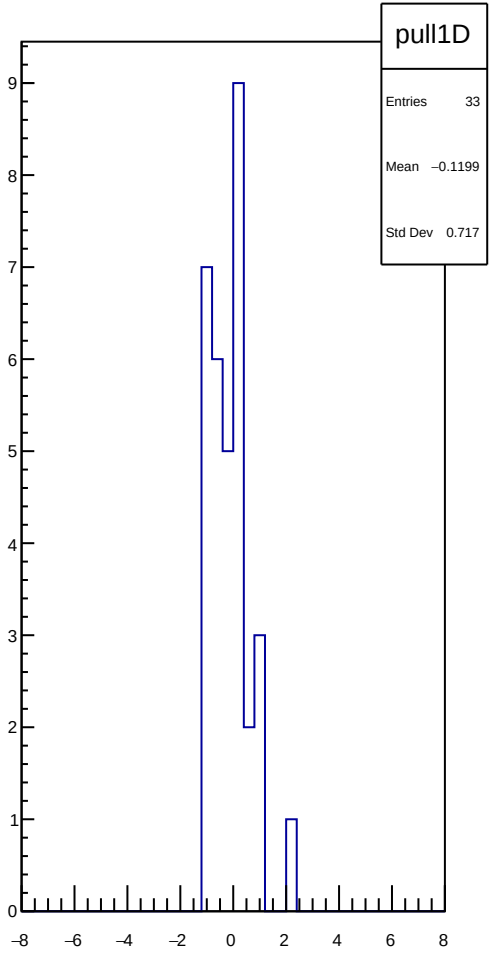
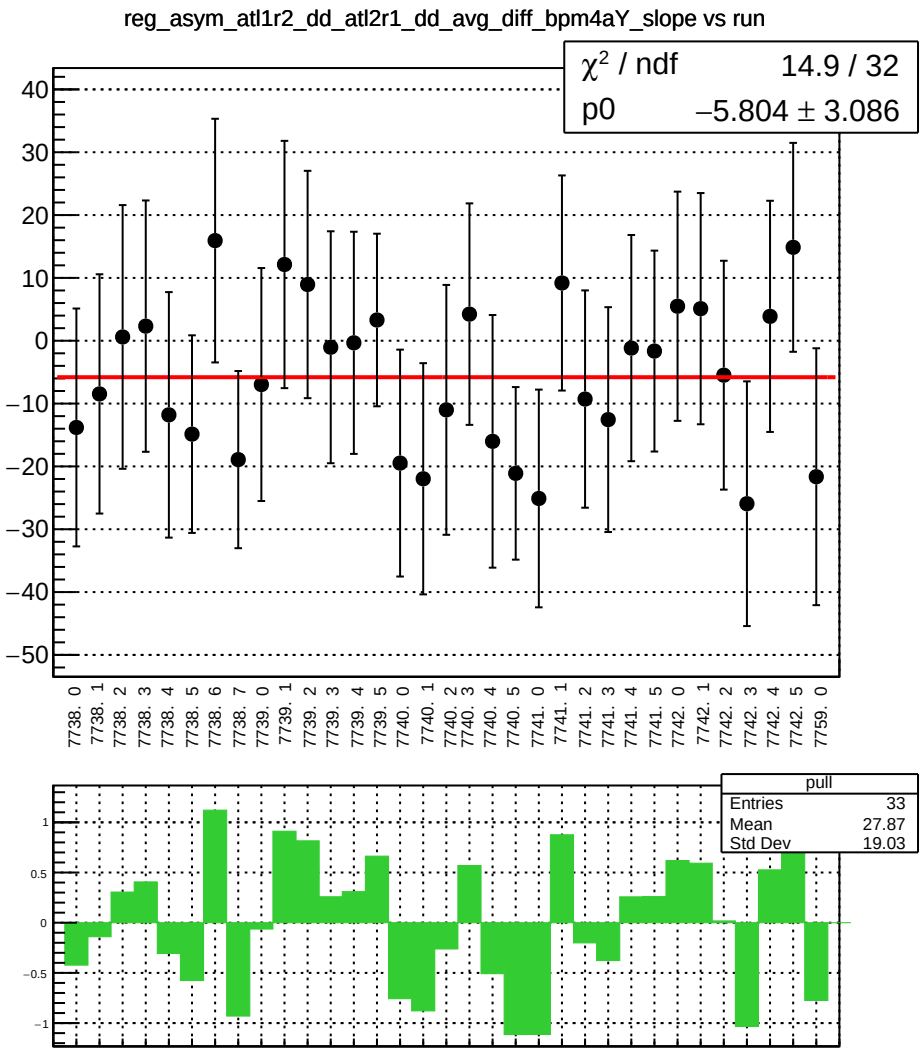
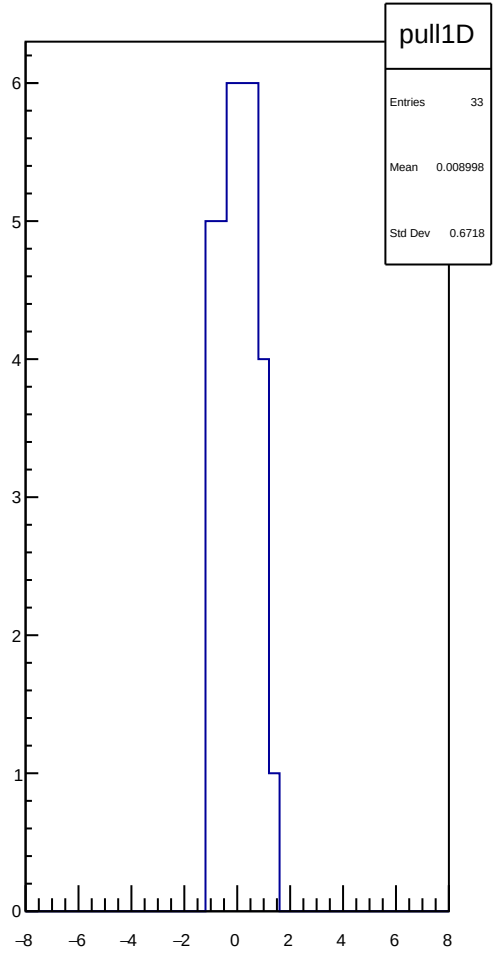
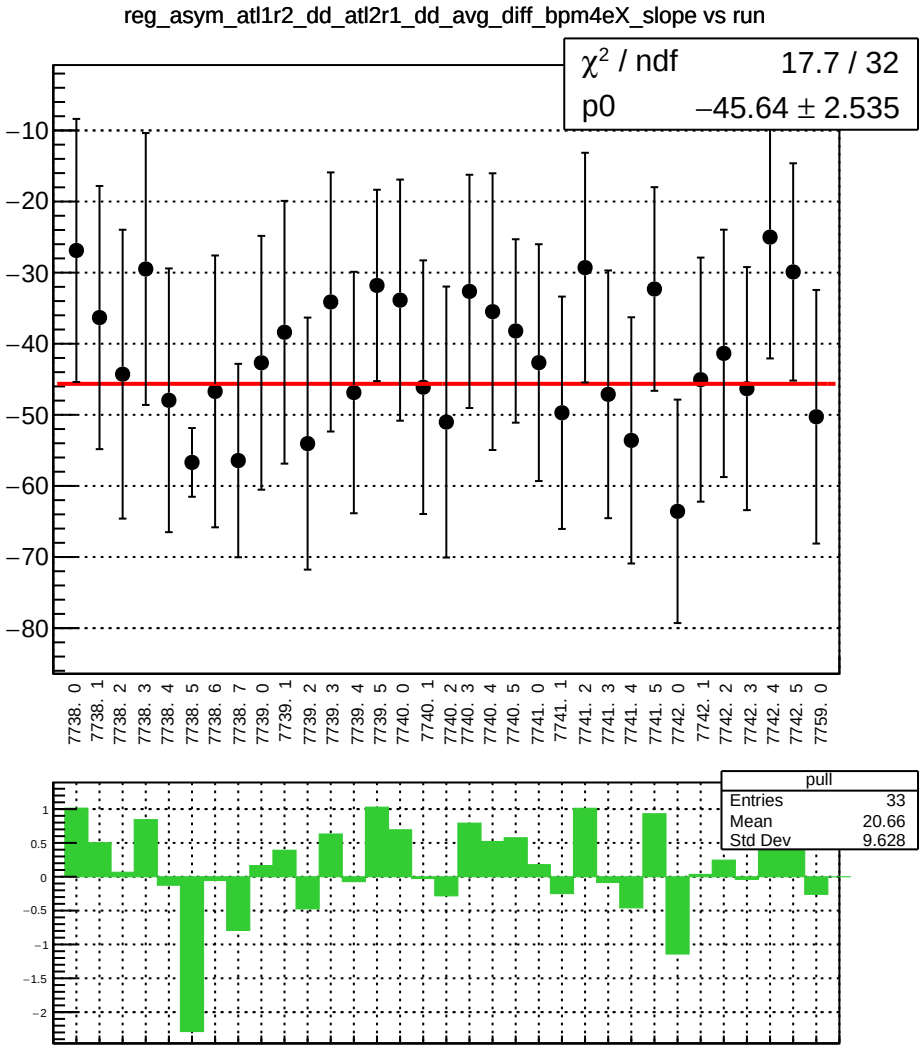
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 17.44 / 32
p0 13.17 ± 2.578
pull
Entries 33
Mean 19.09
Std Dev 8.746


pull1D
Entries 33
Mean −0.1199
Std Dev 0.717


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.9 / 32
p0 −5.804 ± 3.086
pull
Entries 33
Mean 27.87
Std Dev 19.03


pull1D
Entries 33
Mean 0.008998
Std Dev 0.6718


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.7 / 32
p0 −45.64 ± 2.535
−10
−20
−30
−40
−50
−60
−70
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.66
Std Dev 9.628
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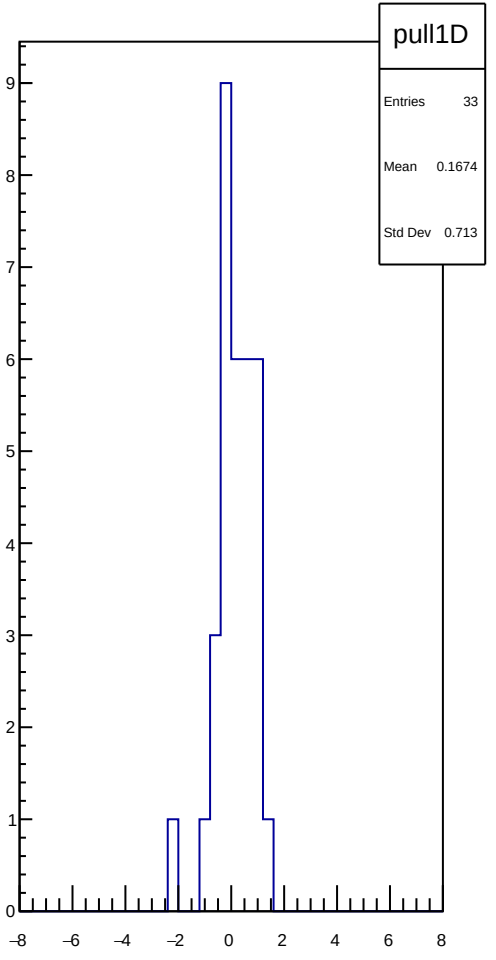
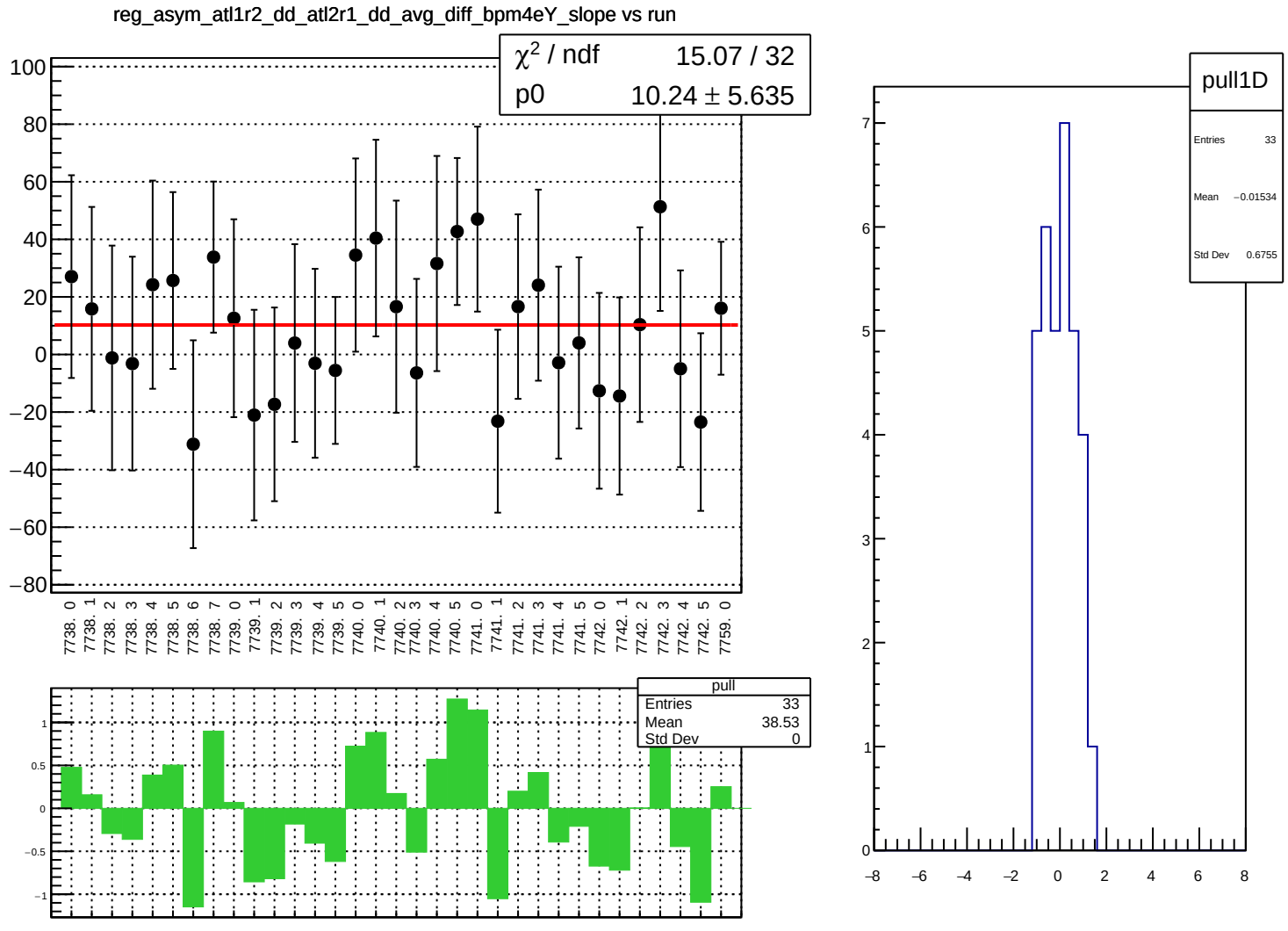
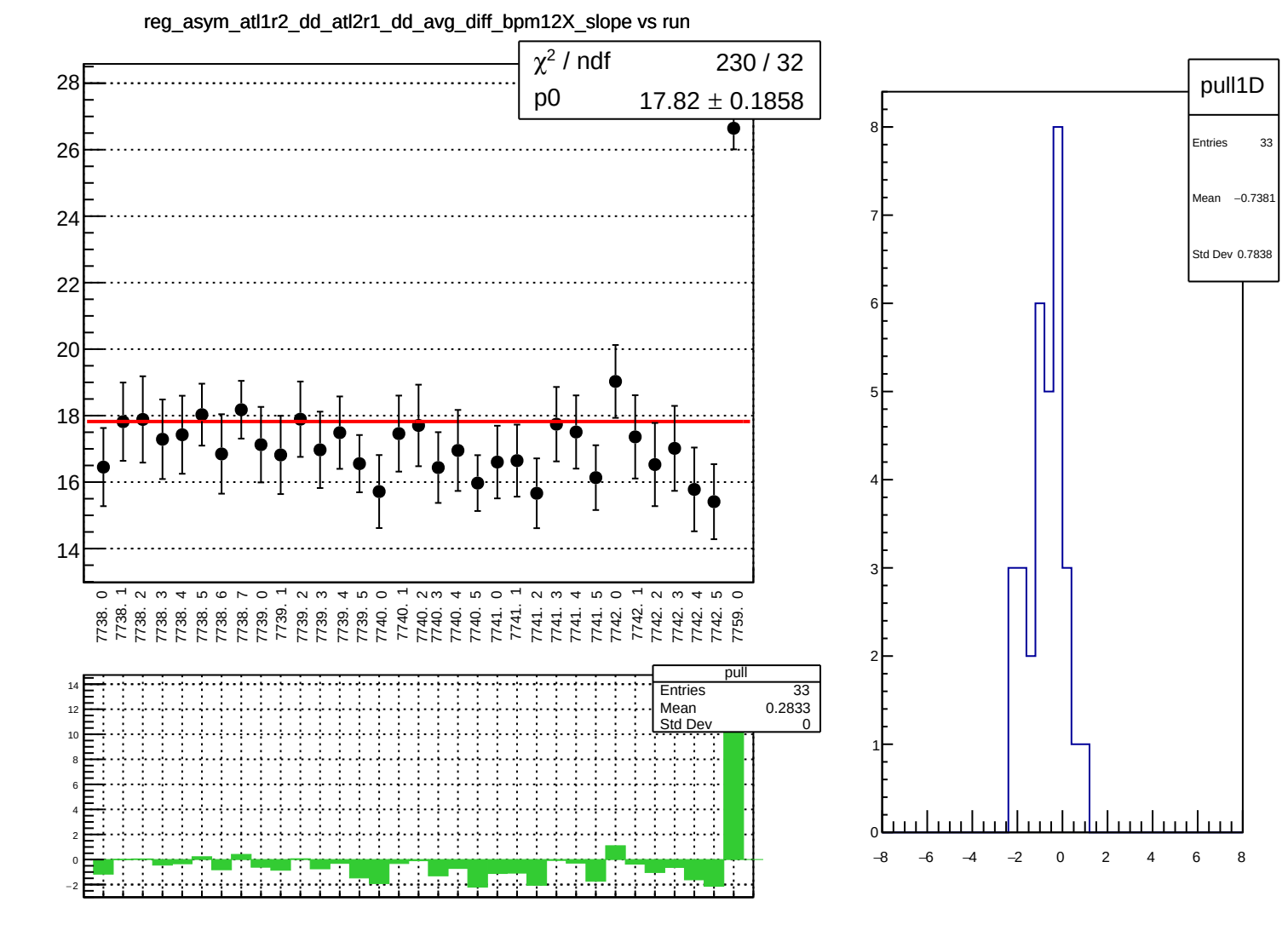
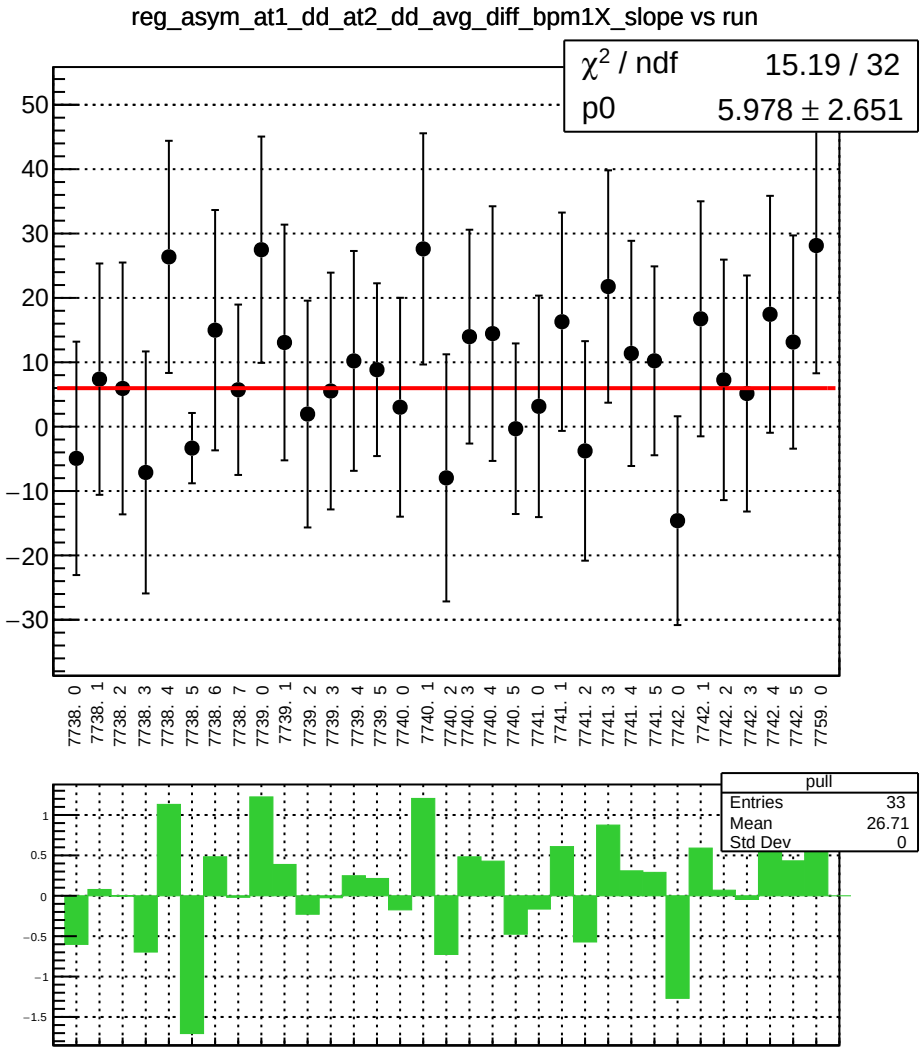
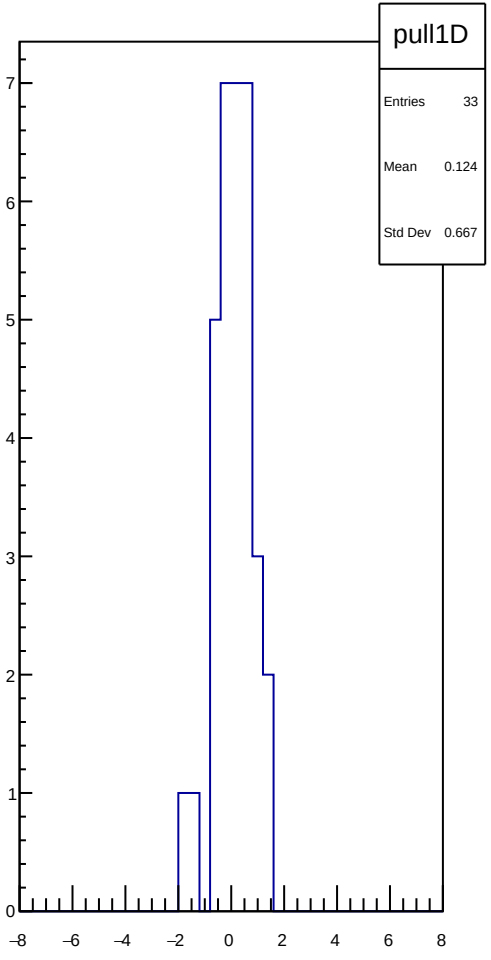
0
−0.5
−1
−1.5
−2

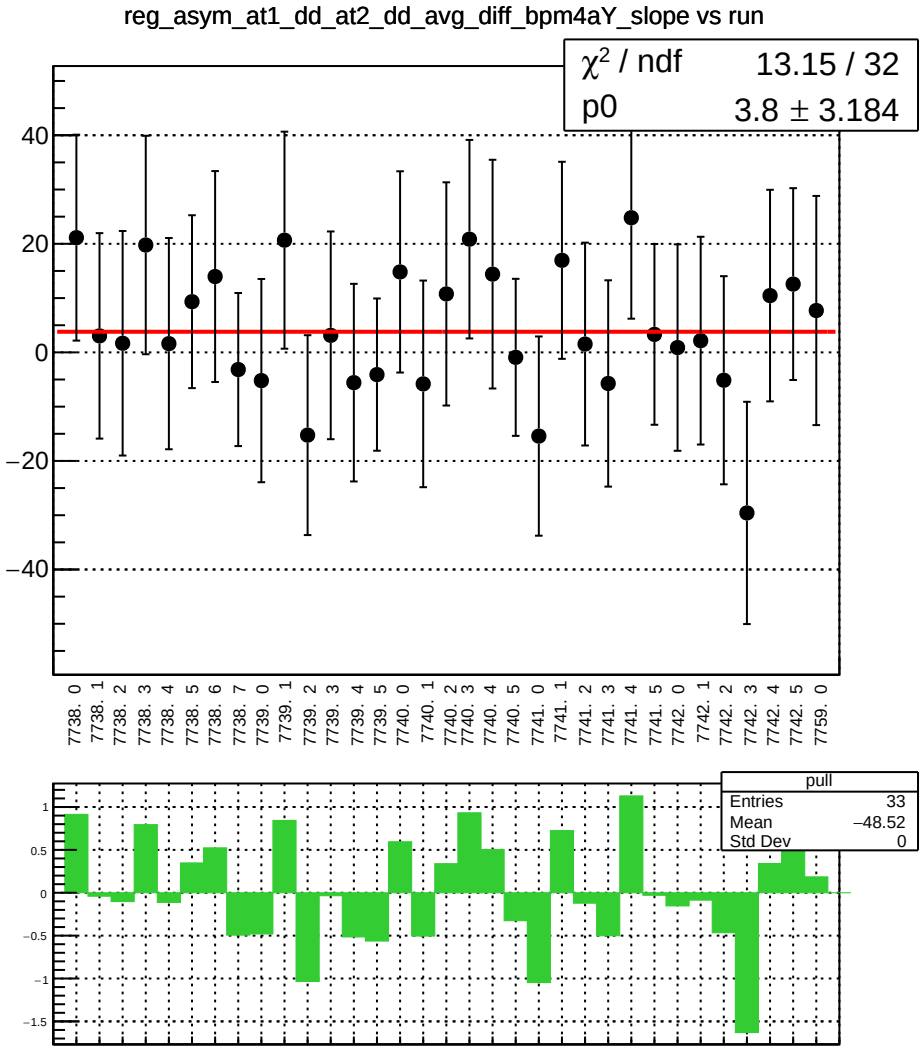

pull1D
Entries 33
Mean 0.1674
Std Dev 0.713
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

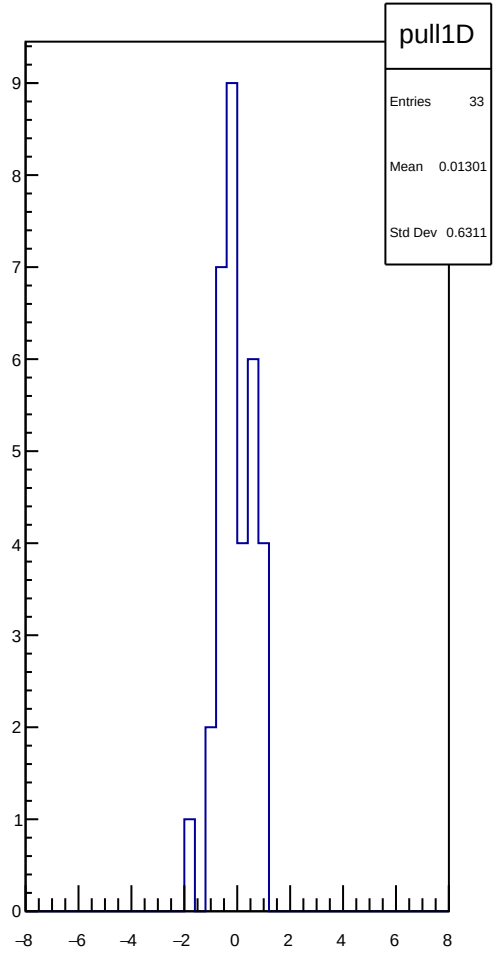

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.07 / 32
p0 10.24 ± 5.635
100
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 38.53
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.01534
Std Dev 0.6755
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

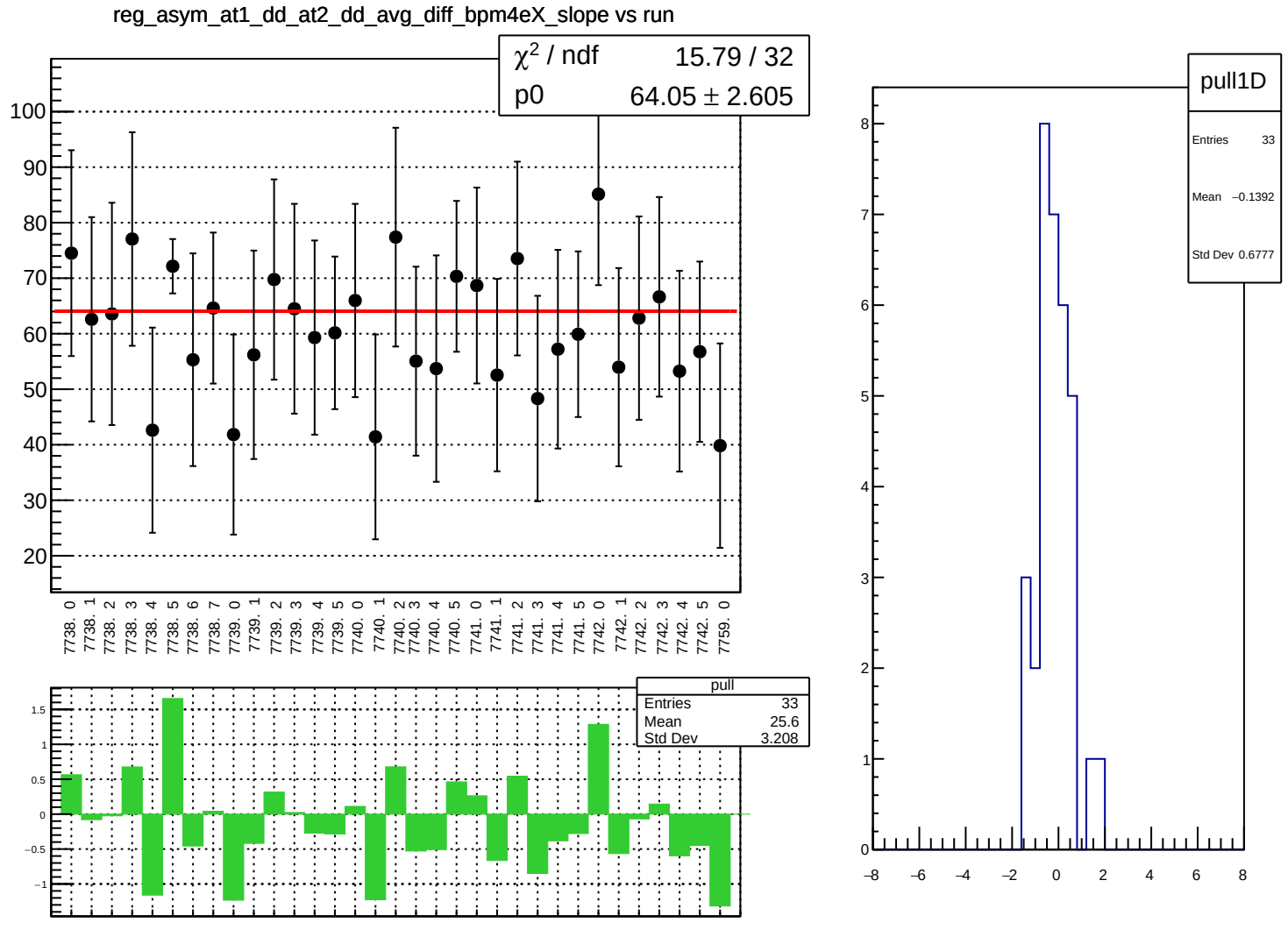

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 230 / 32
p0 17.82 ± 0.1858
28
26
24
22
20
18
16
14
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.2833
Std Dev 0
14
12
10
8
6
4
2
0
−2
pull1D
Entries 33
Mean −0.7381
Std Dev 0.7838
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

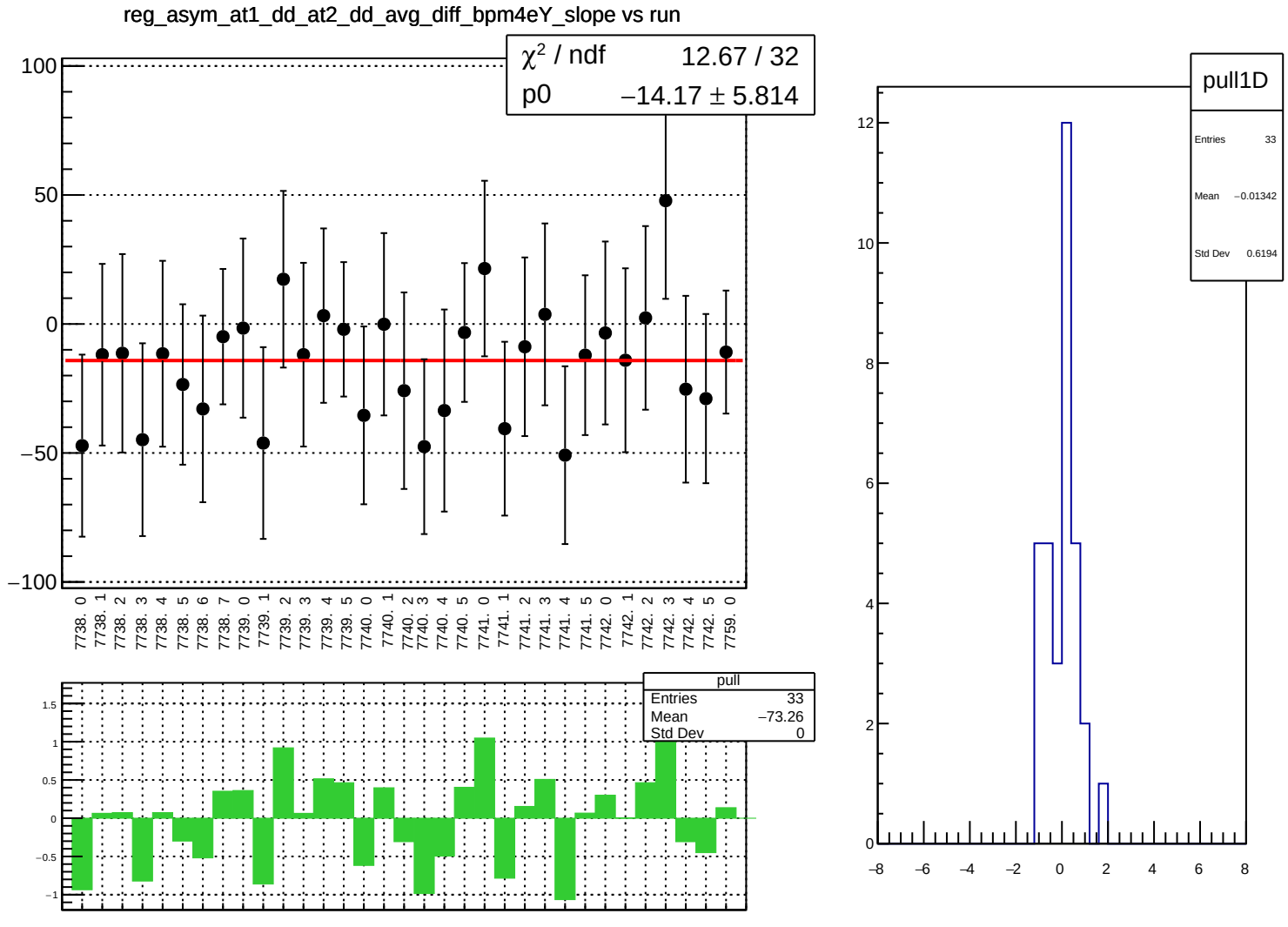

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 15.19 / 32
p0 5.978 ± 2.651
50
40
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.71
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

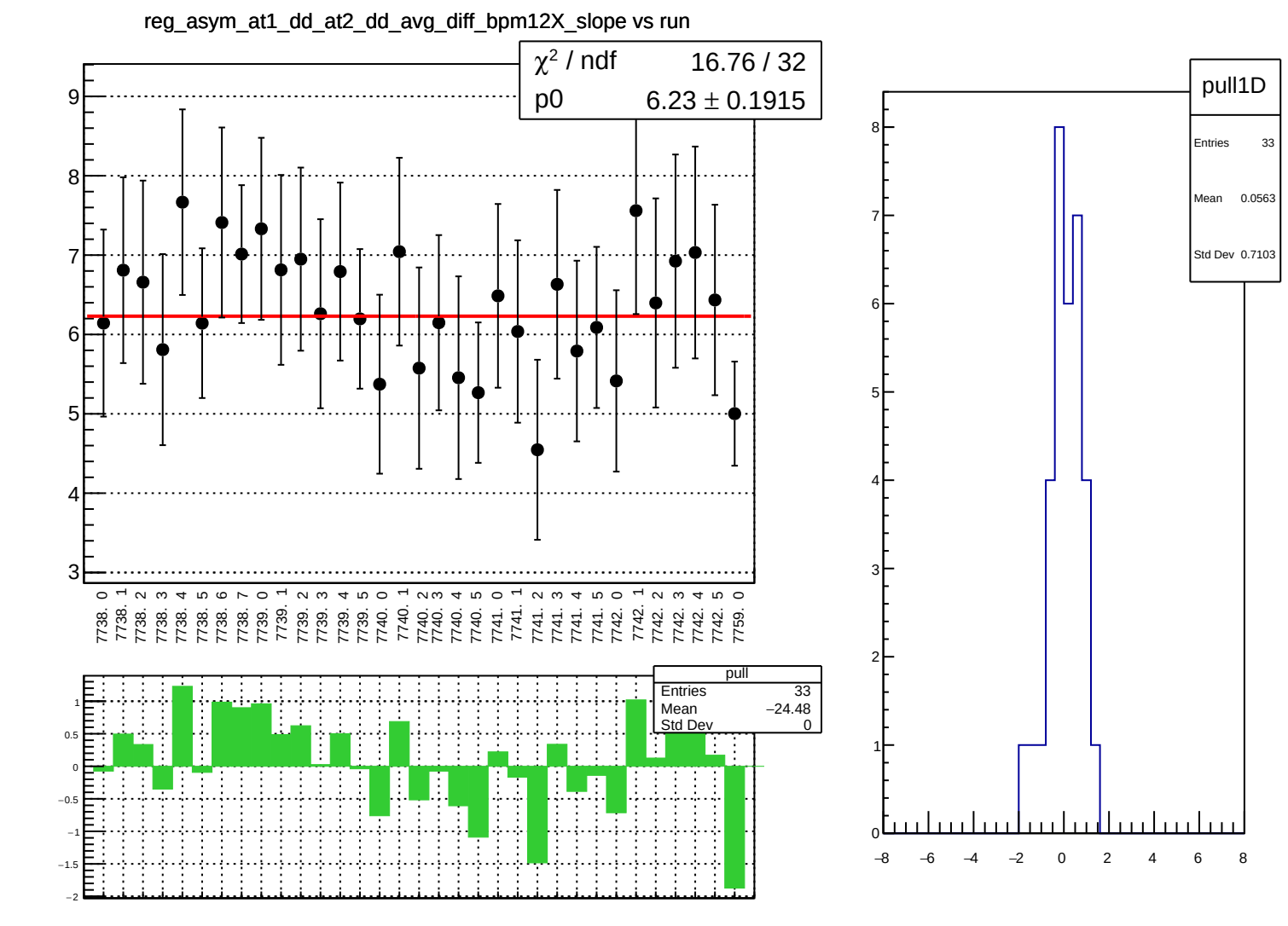

pull1D
Entries 33
Mean 0.124
Std Dev 0.667
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

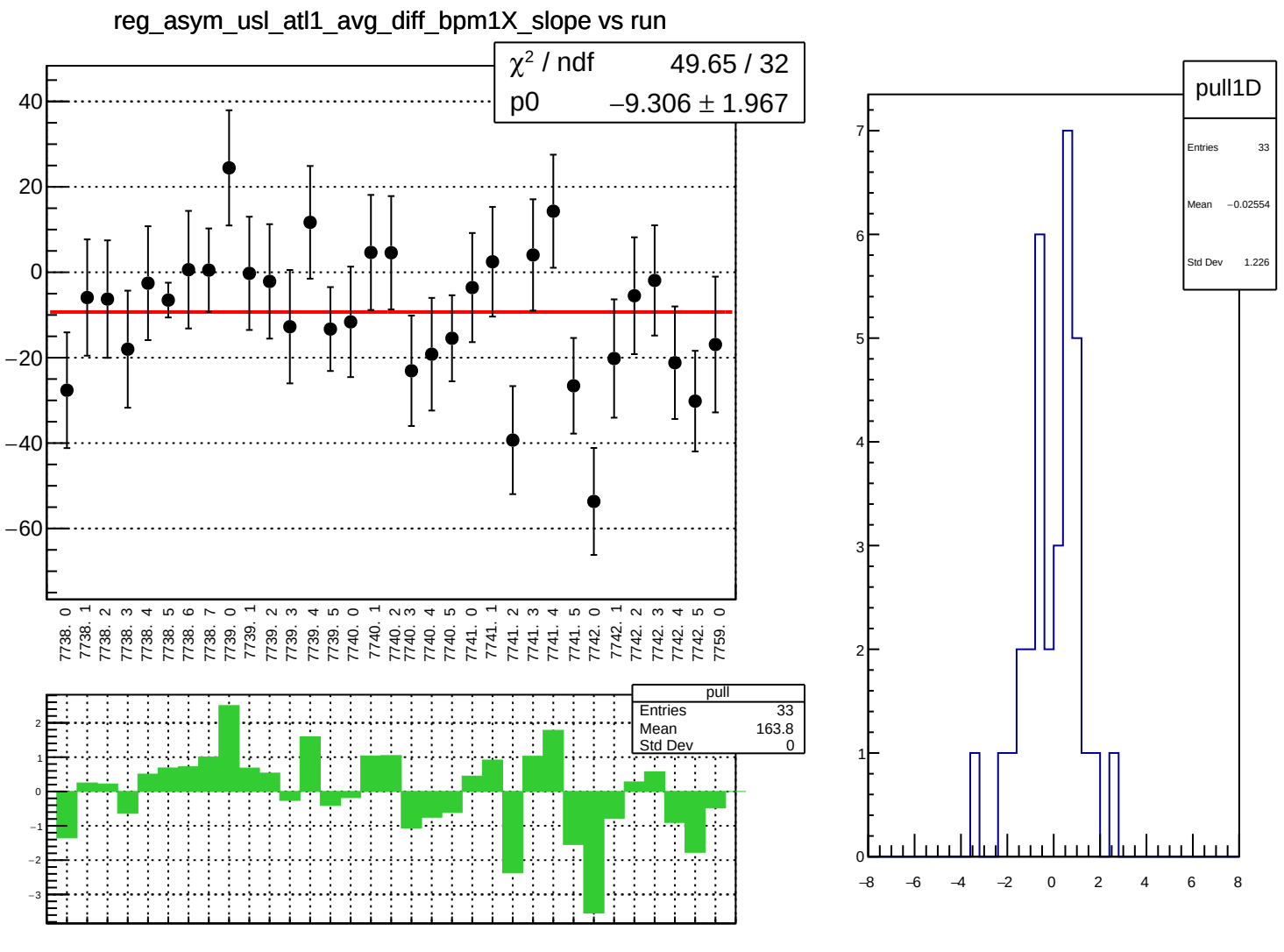

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.15 / 32
p0 3.8 ± 3.184
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −48.52
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

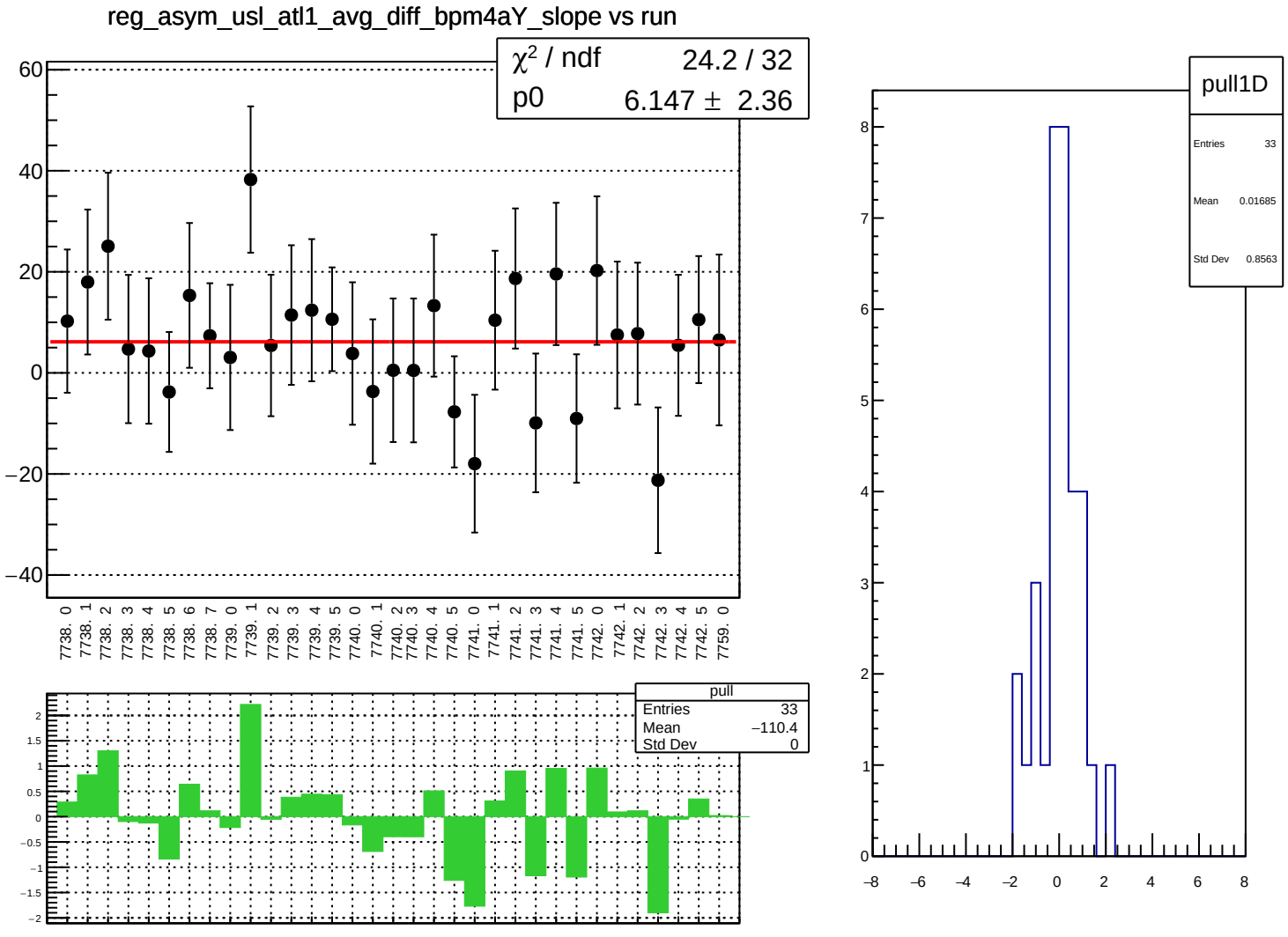

pull1D
Entries 33
Mean 0.01301
Std Dev 0.6311
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

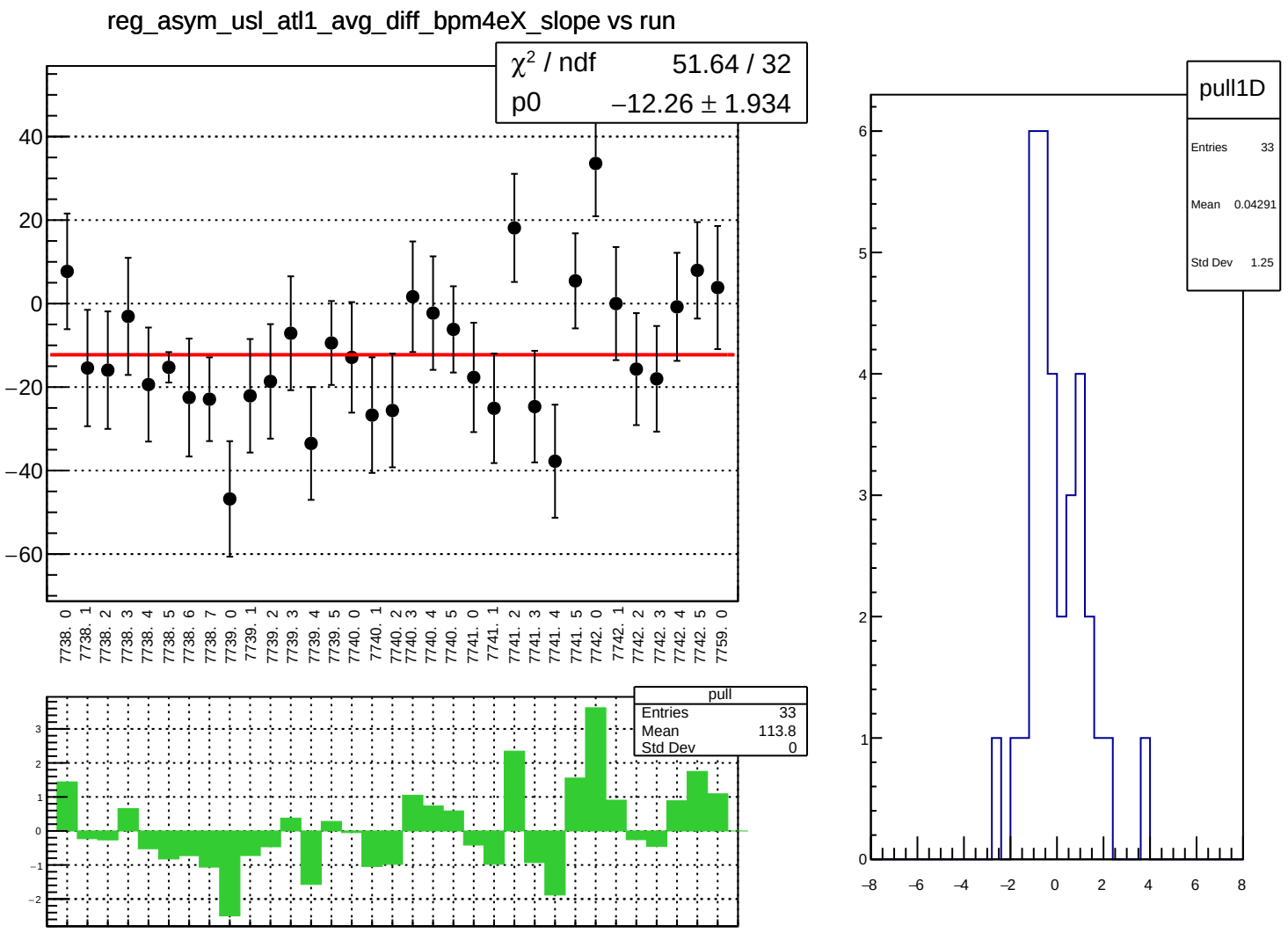

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.79 / 32
p0 64.05 ± 2.605
pull
Entries 33
Mean 25.6
Std Dev 3.208
pull1D
Entries 33
Mean −0.1392
Std Dev 0.6777

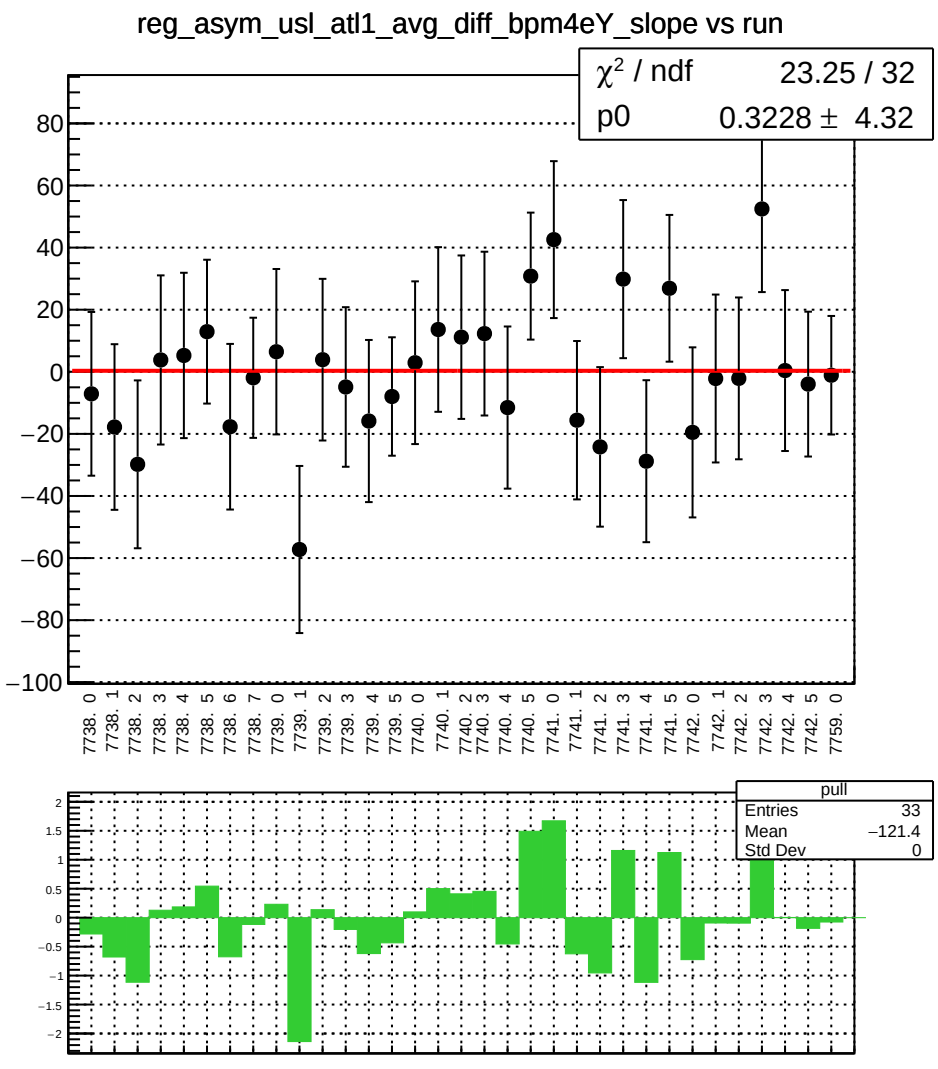

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.67 / 32
p0 −14.17 ± 5.814
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −73.26
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.01342
Std Dev 0.6194
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

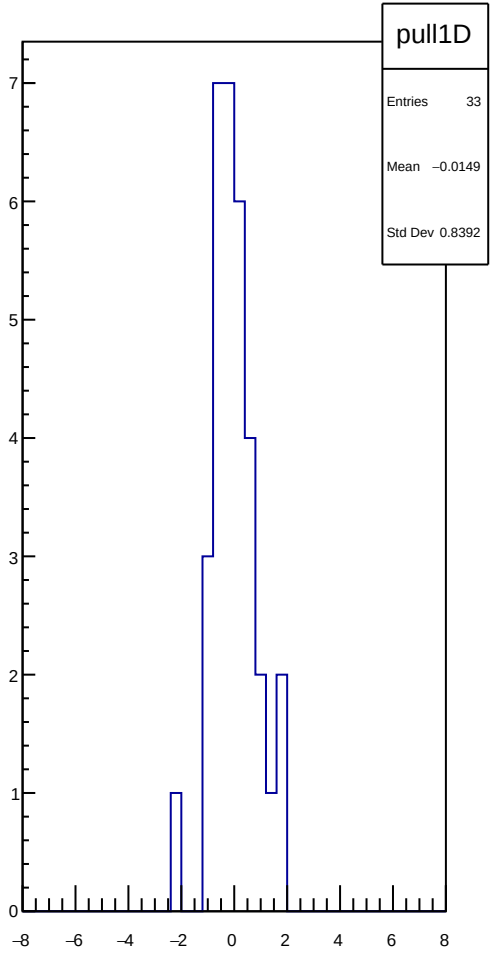

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 16.76 / 32
p0 6.23 ± 0.1915
pull
Entries 33
Mean −24.48
Std Dev 0
pull1D
Entries 33
Mean 0.0563
Std Dev 0.7103

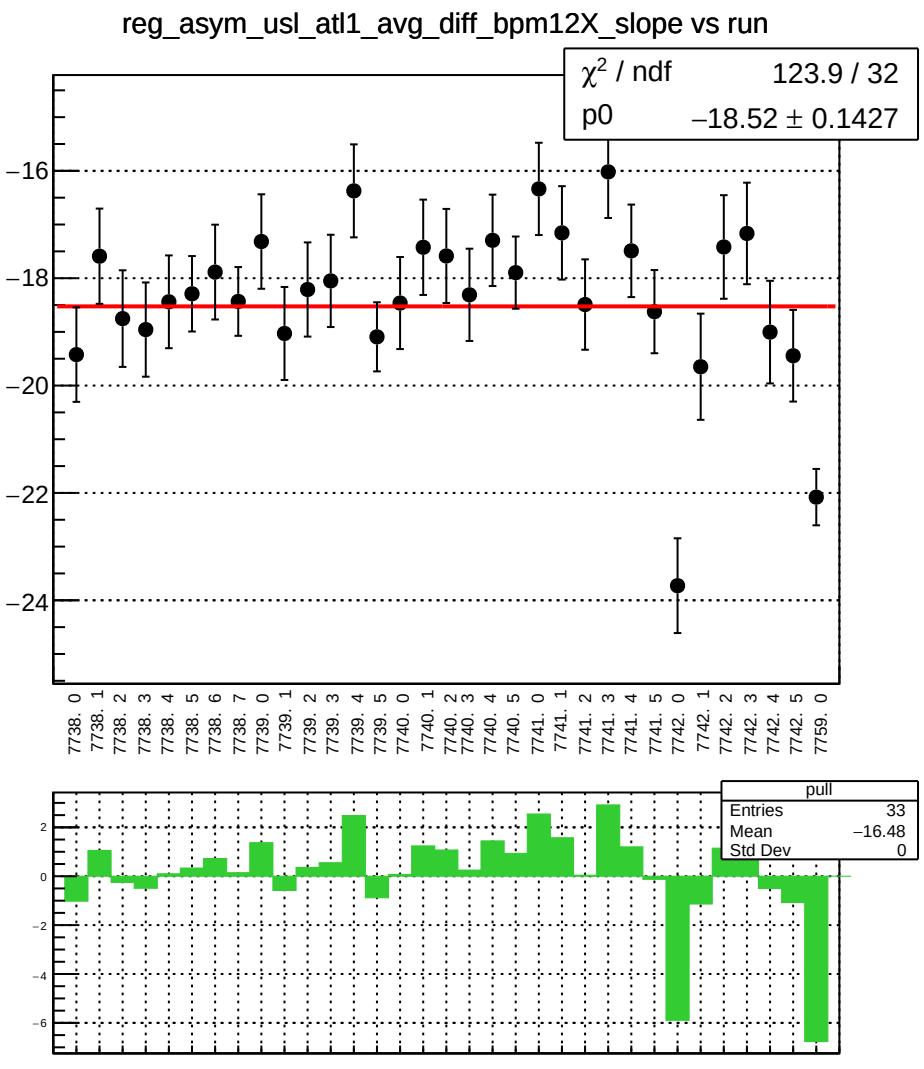

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 49.65 / 32
p0 −9.306 ± 1.967
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 163.8
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean −0.02554
Std Dev 1.226
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

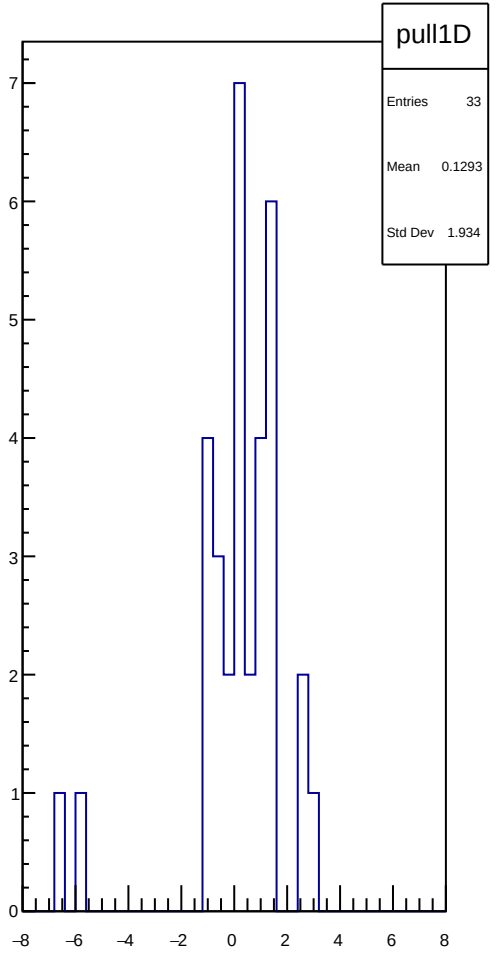

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.2 / 32
p0 6.147 ± 2.36
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −110.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.01685
Std Dev 0.8563
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

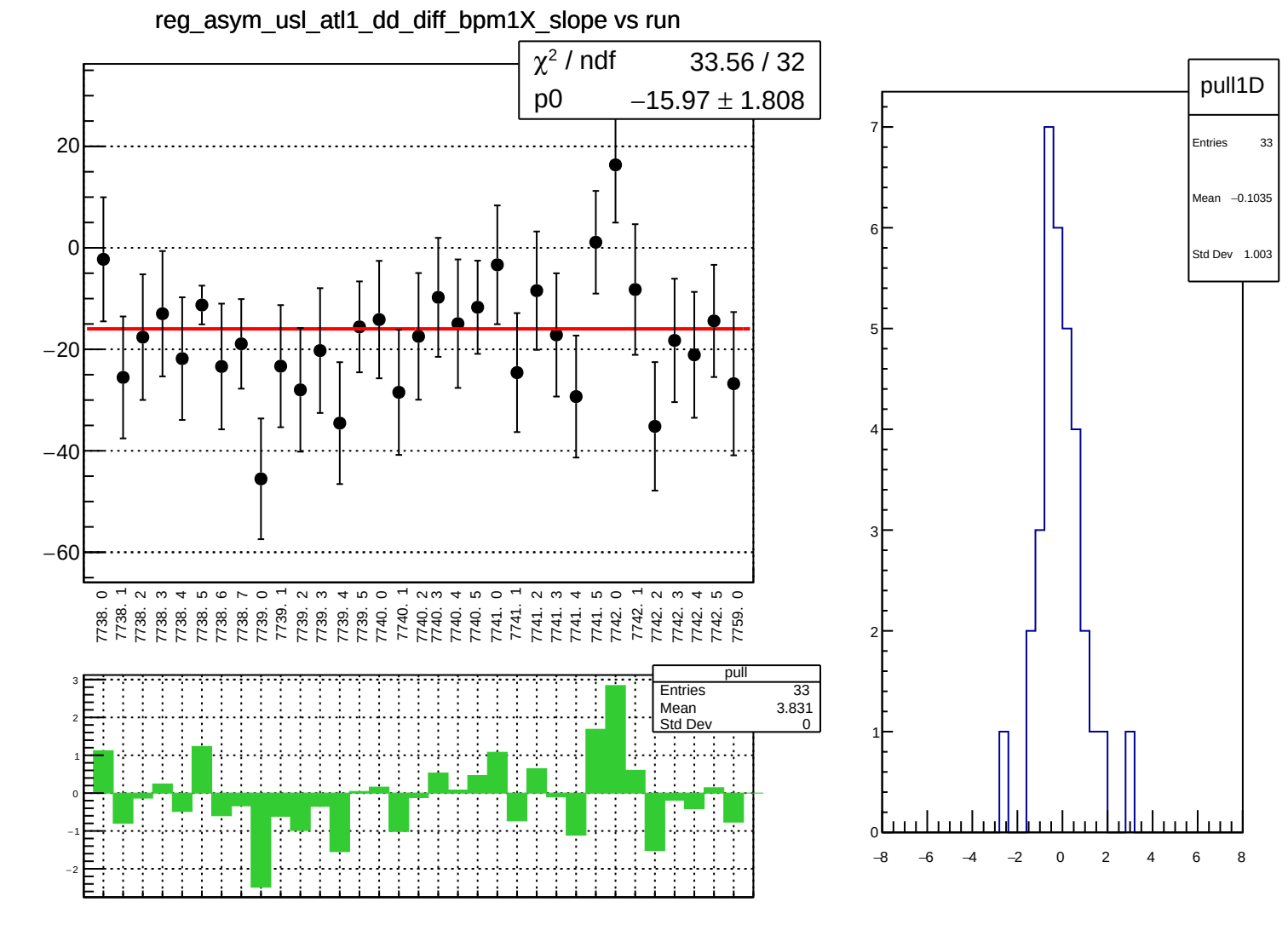

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.64 / 32
p0 −12.26 ± 1.934
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 113.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean 0.04291
Std Dev 1.25
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

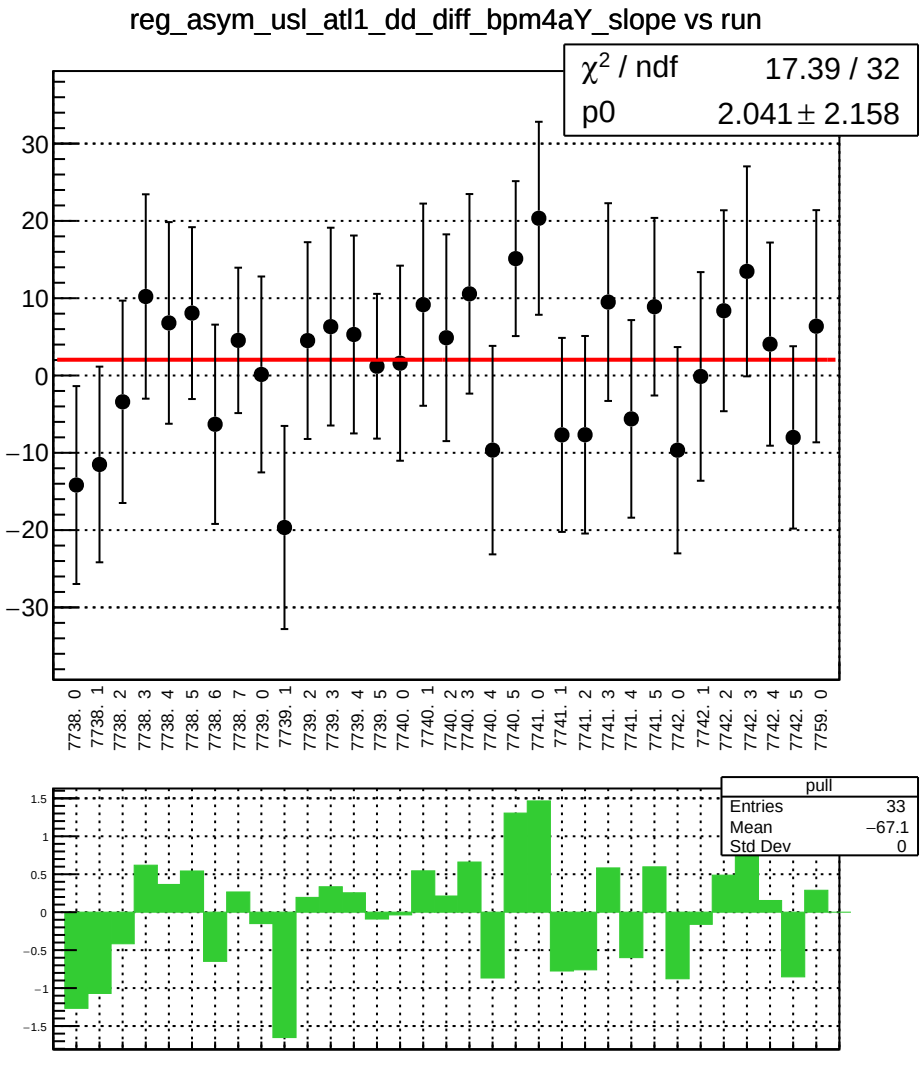

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.25 / 32
p0 0.3228 ± 4.32
pull
Entries 33
Mean −121.4
Std Dev 0

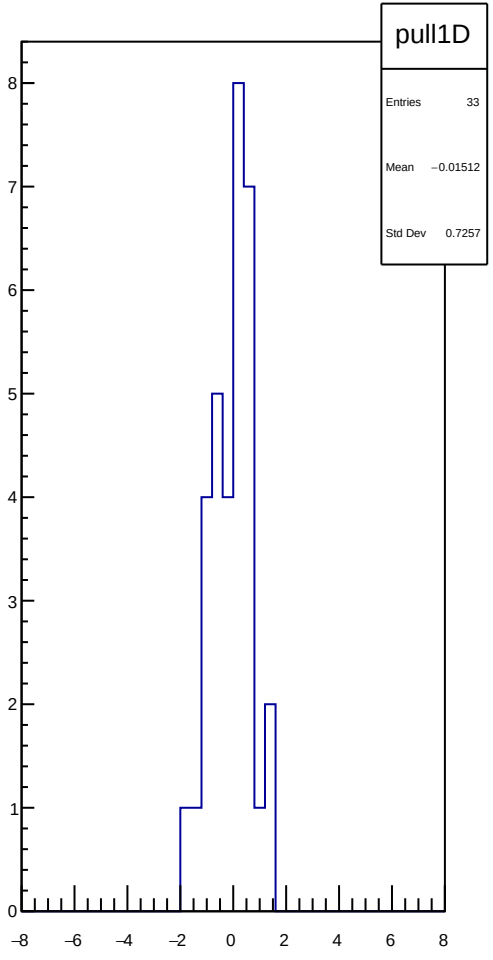

pull1D
Entries 33
Mean −0.0149
Std Dev 0.8392

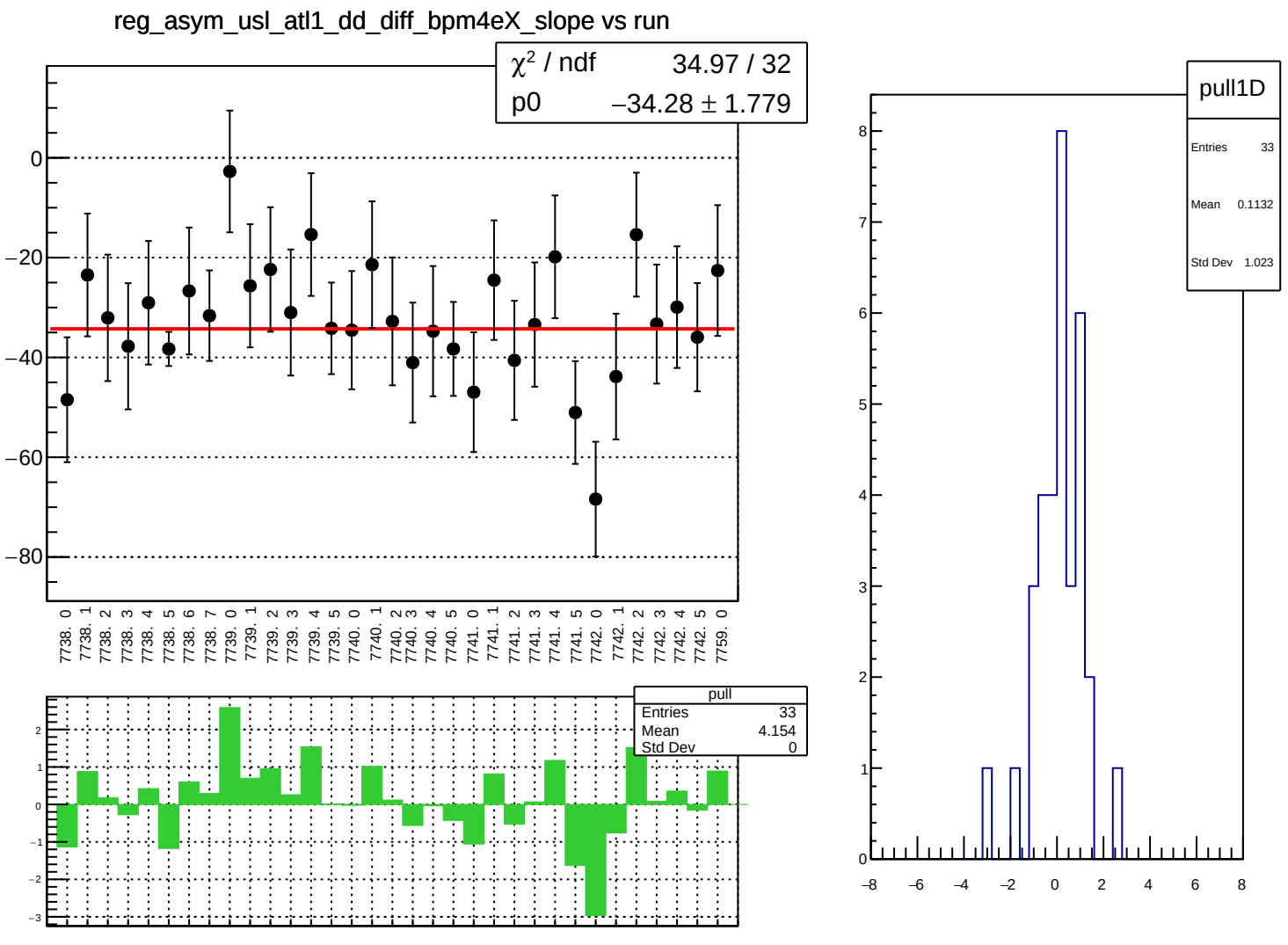

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 123.9 / 32
p0 −18.52 ± 0.1427
−16
−18
−20
−22
−24
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −16.48
Std Dev 0
2
0
−2
−4
−6

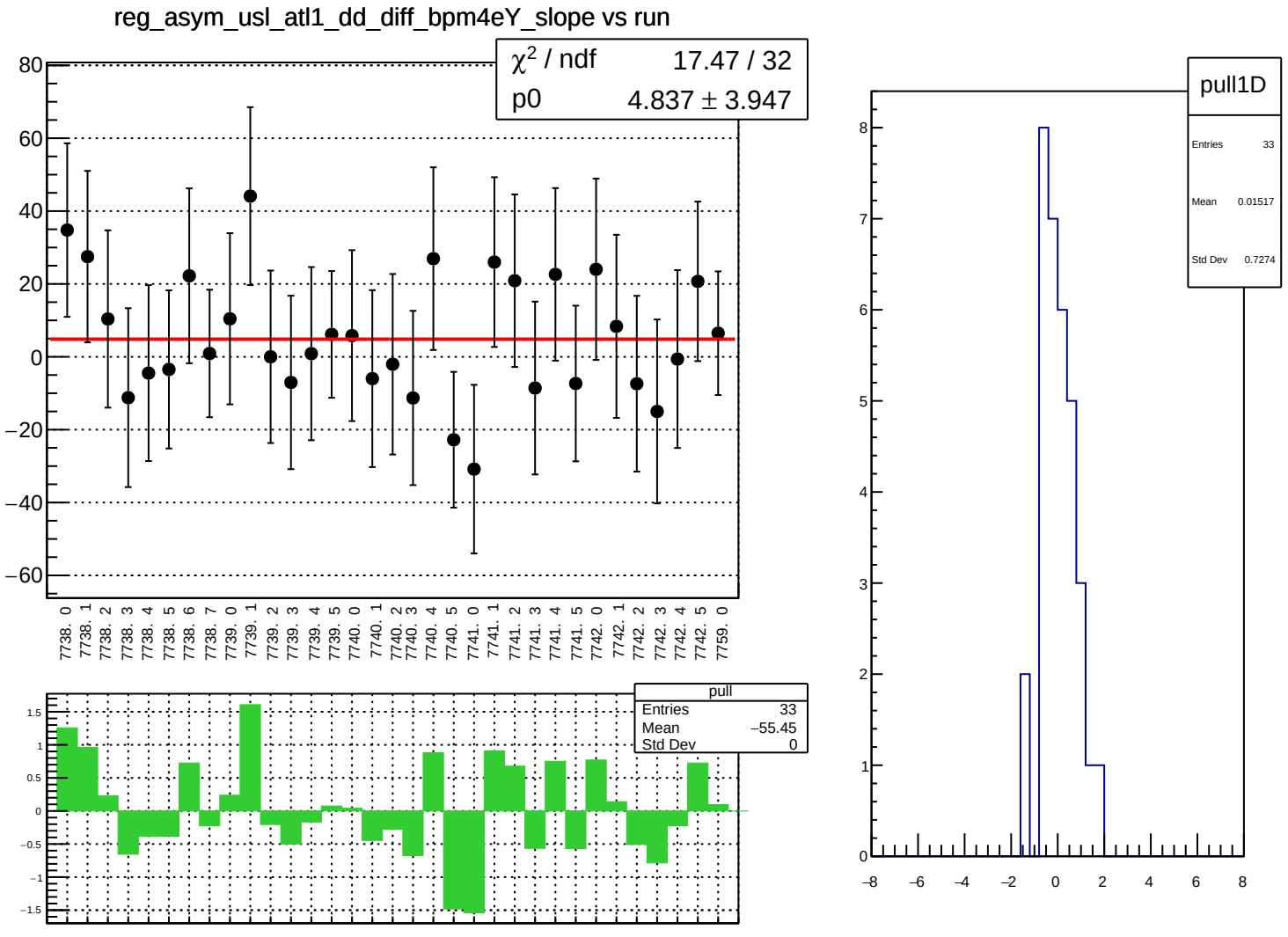

pull1D
Entries 33
Mean 0.1293
Std Dev 1.934
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 33.56 / 32
p0 −15.97 ± 1.808
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 3.831
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.1035
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.39 / 32
p0 2.041 ± 2.158
30
20
10
0
−10
−20
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −67.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 33
Mean −0.01512
Std Dev 0.7257
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.97 / 32
p0 −34.28 ± 1.779
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.154
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 33
Mean 0.1132
Std Dev 1.023
8
7
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 17.47 / 32
p0 4.837 ± 3.947
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −55.45
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean 0.01517
Std Dev 0.7274
8
7
6
5
4
3
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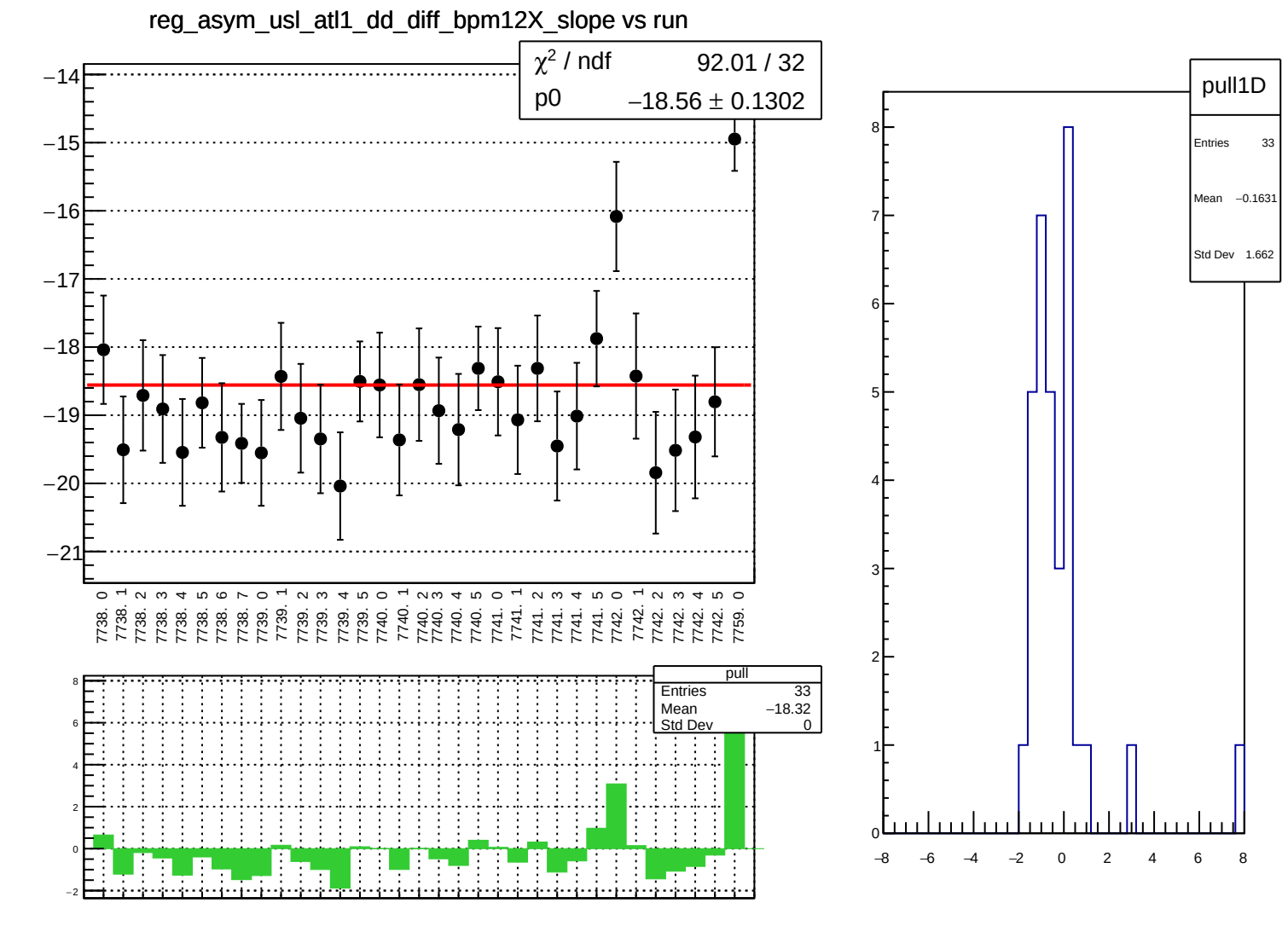
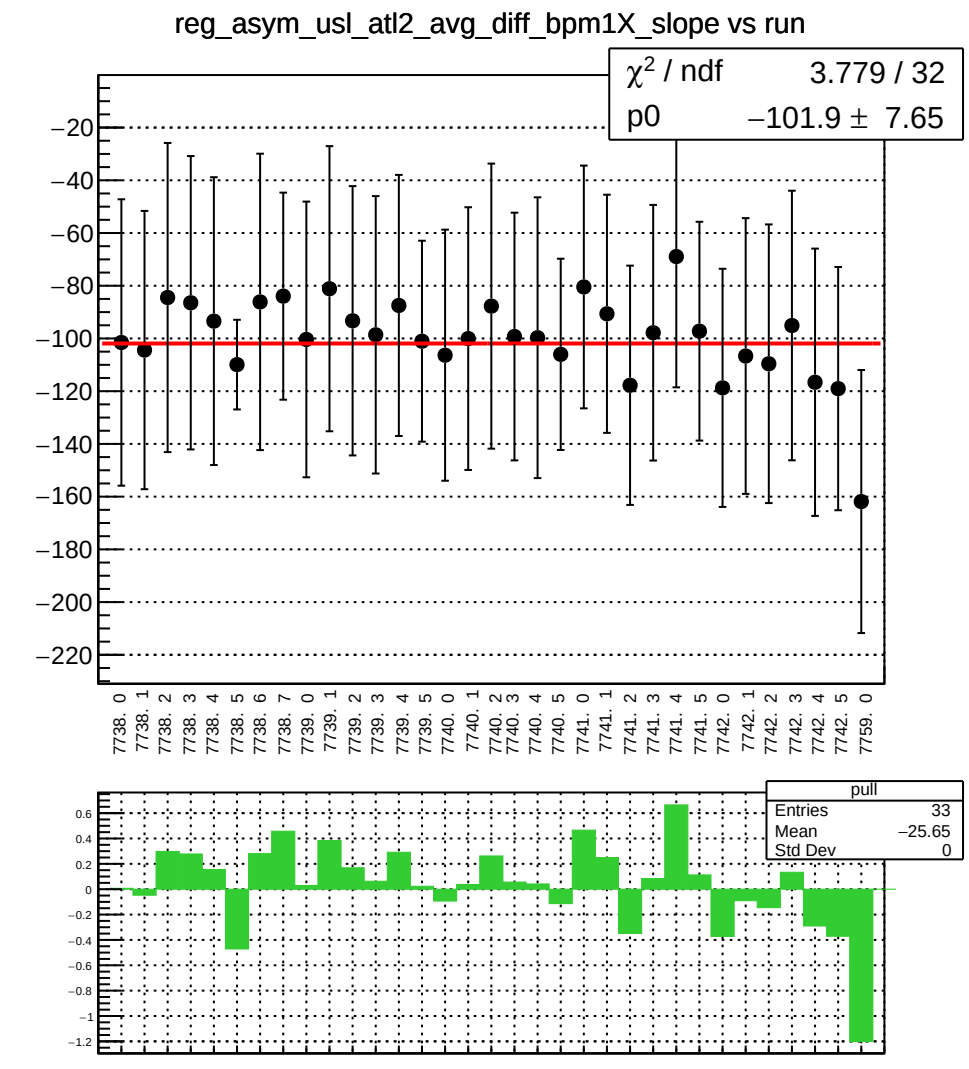
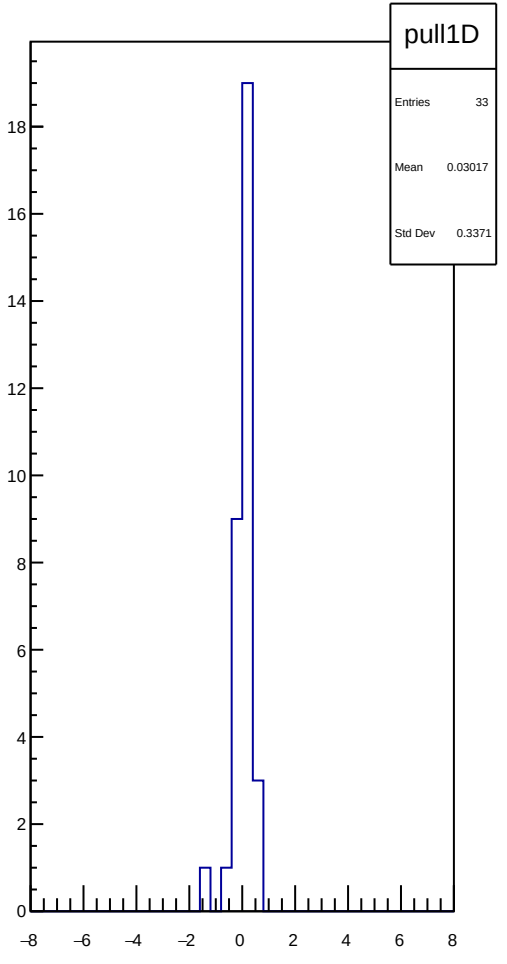
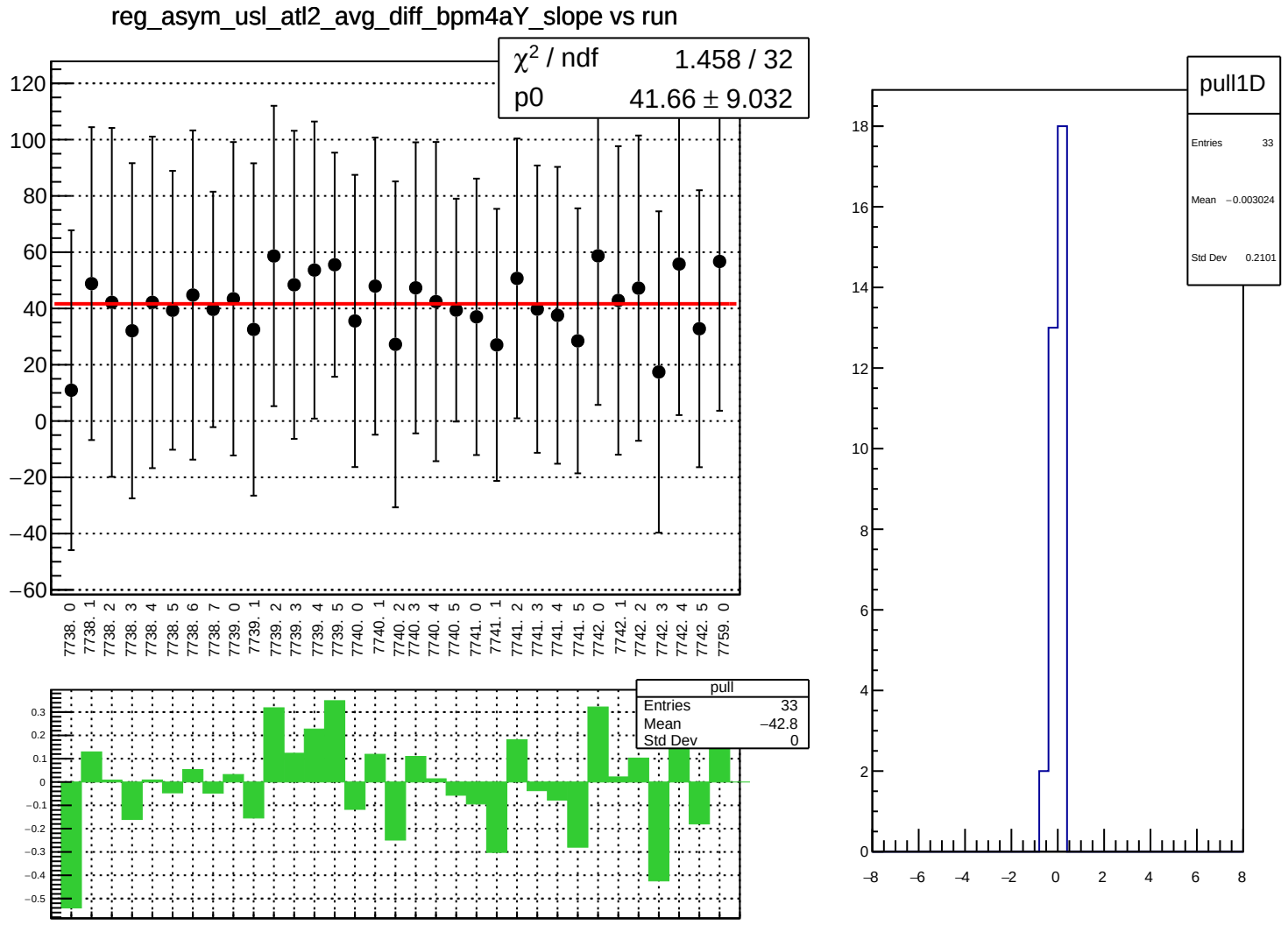
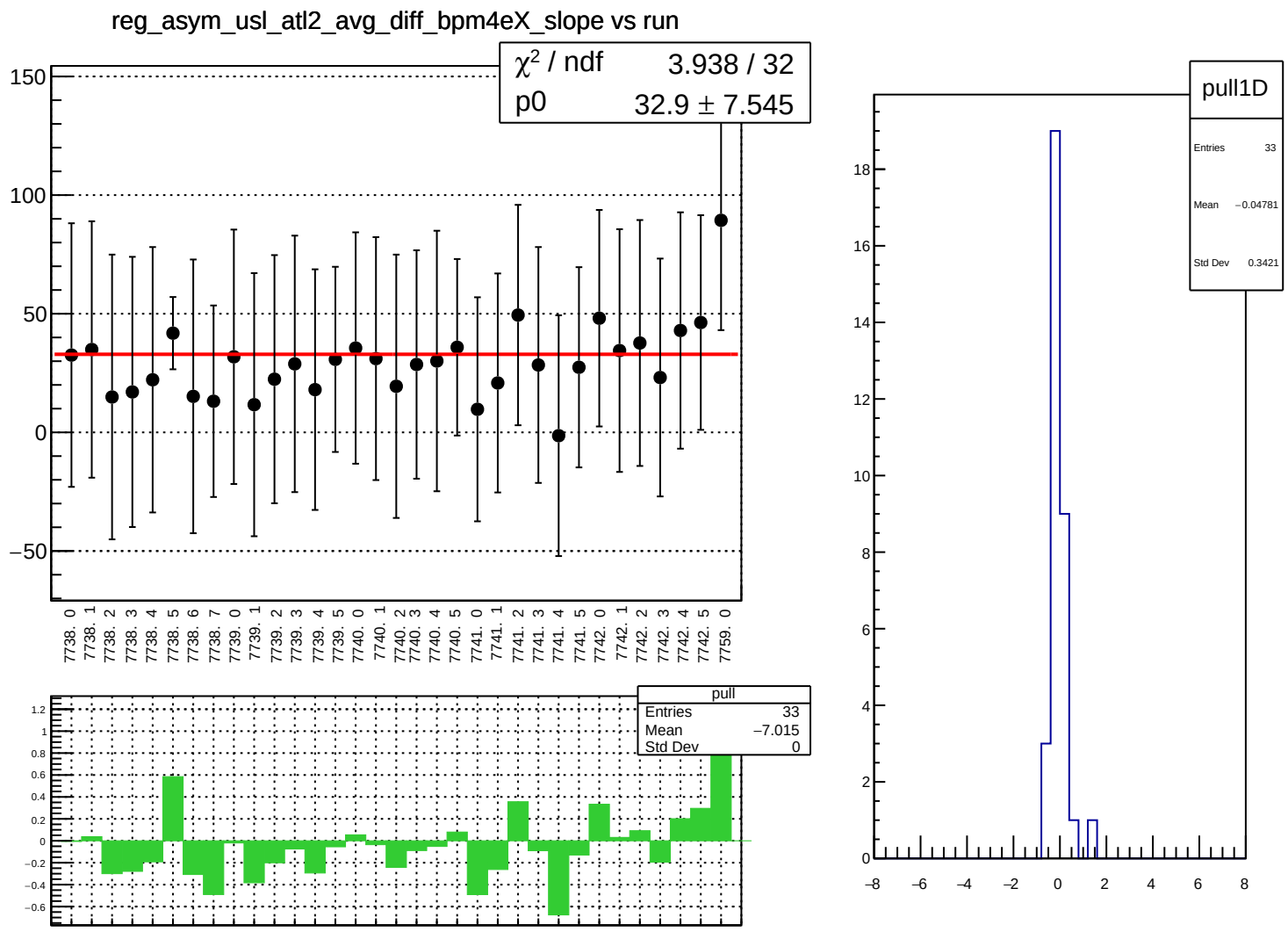
0
−8
−6
−4
−2
0
2
4
6
8

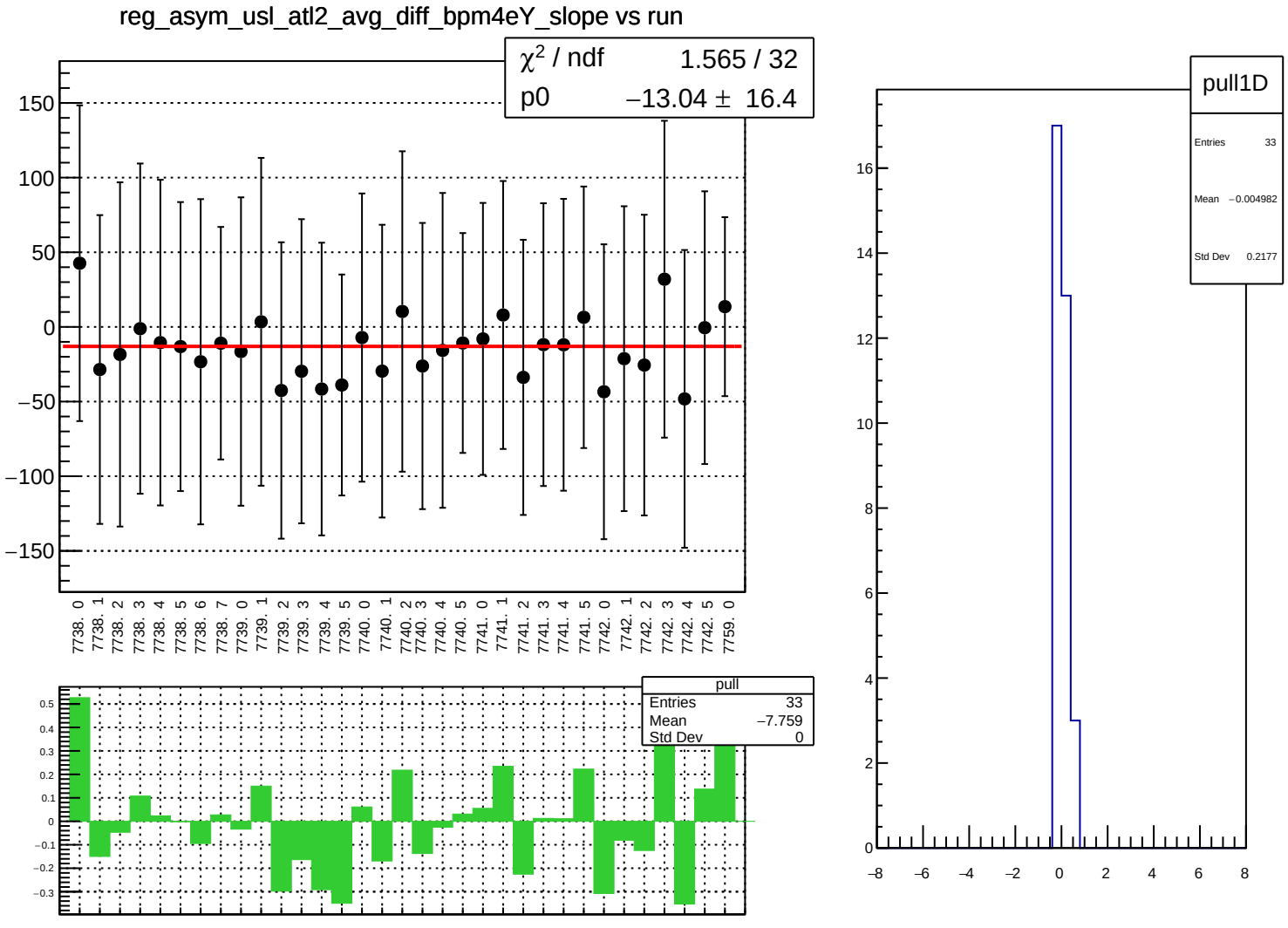

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 92.01 / 32
p0 −18.56 ± 0.1302
−14
−15
−16
−17
−18
−19
−20
−21
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −18.32
Std Dev 0
8
6
4
2
0
−2
pull1D
Entries 33
Mean −0.1631
Std Dev 1.662
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

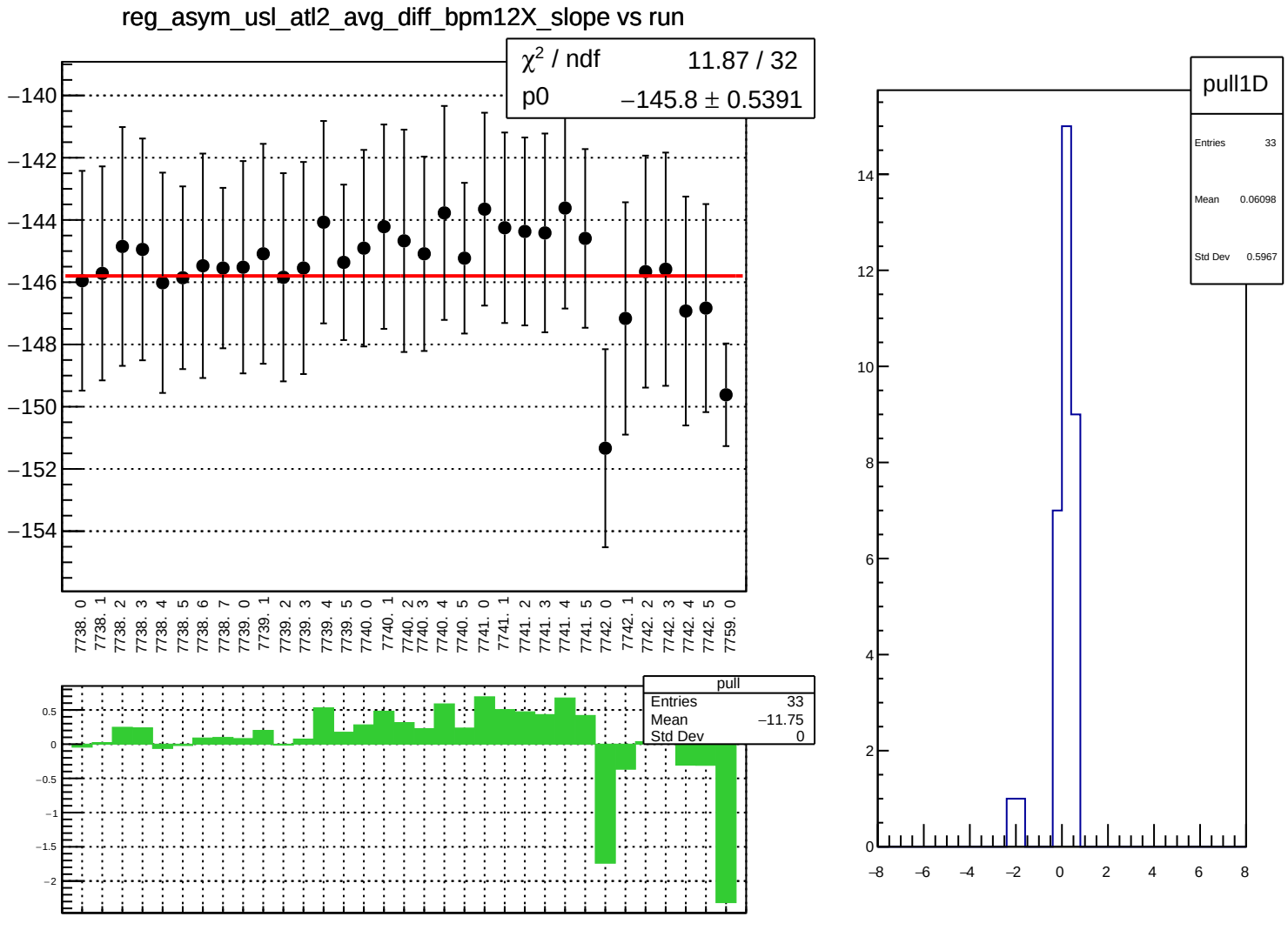

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 3.779 / 32
p0 −101.9 ± 7.65
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −25.65
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

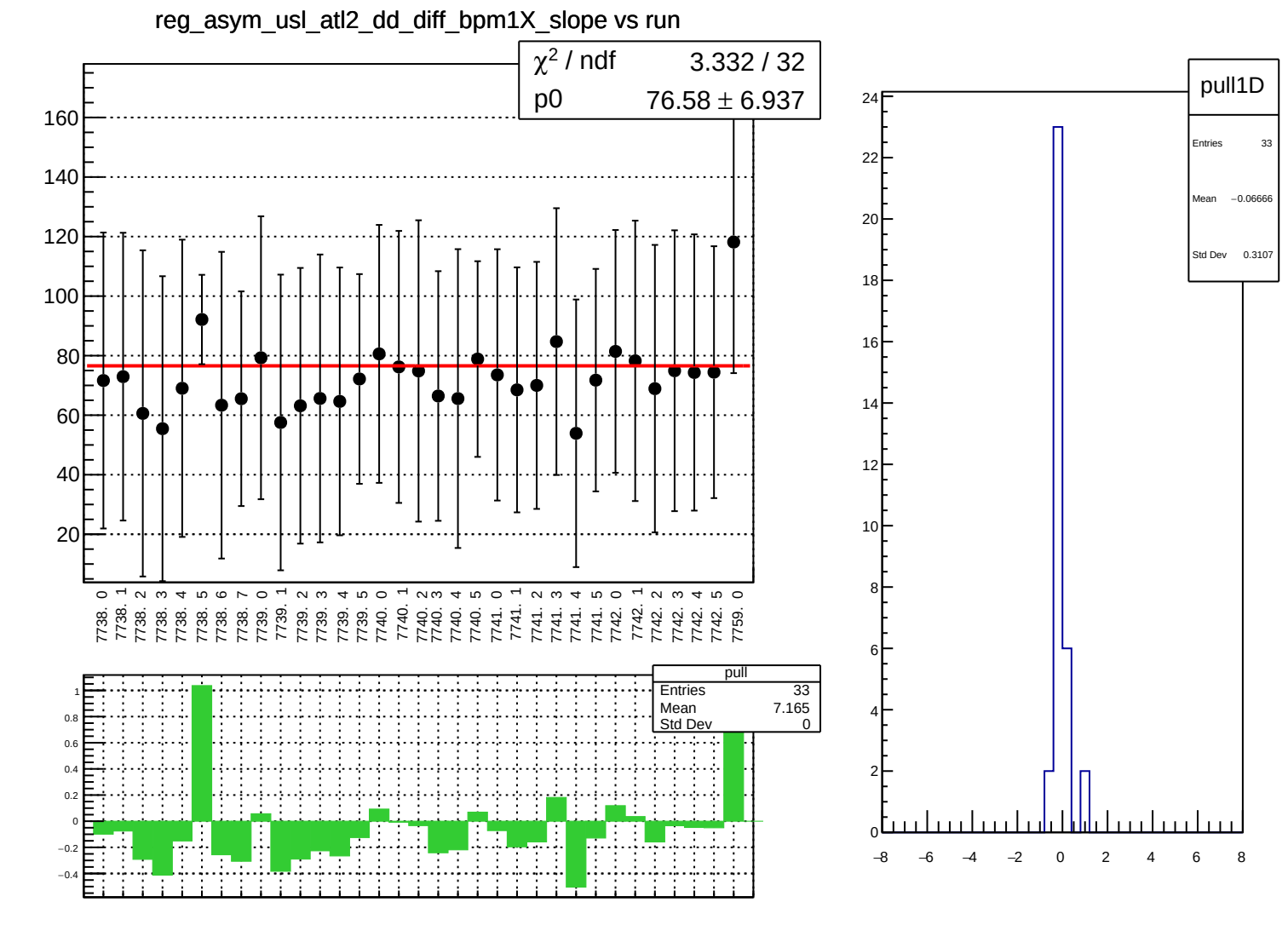

pull1D
Entries 33
Mean 0.03017
Std Dev 0.3371
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

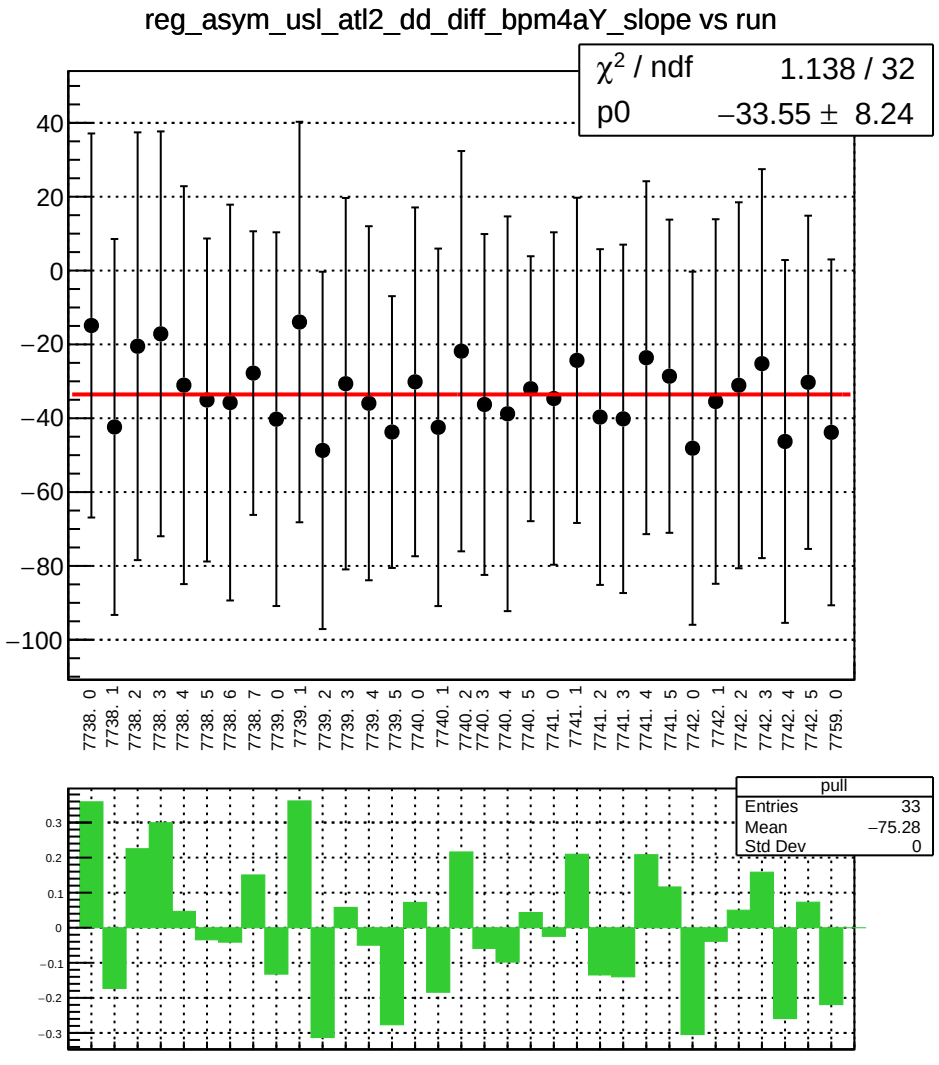

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.458 / 32
p0 41.66 ± 9.032
pull
Entries 33
Mean −42.8
Std Dev 0
pull1D
Entries 33
Mean −0.003024
Std Dev 0.2101

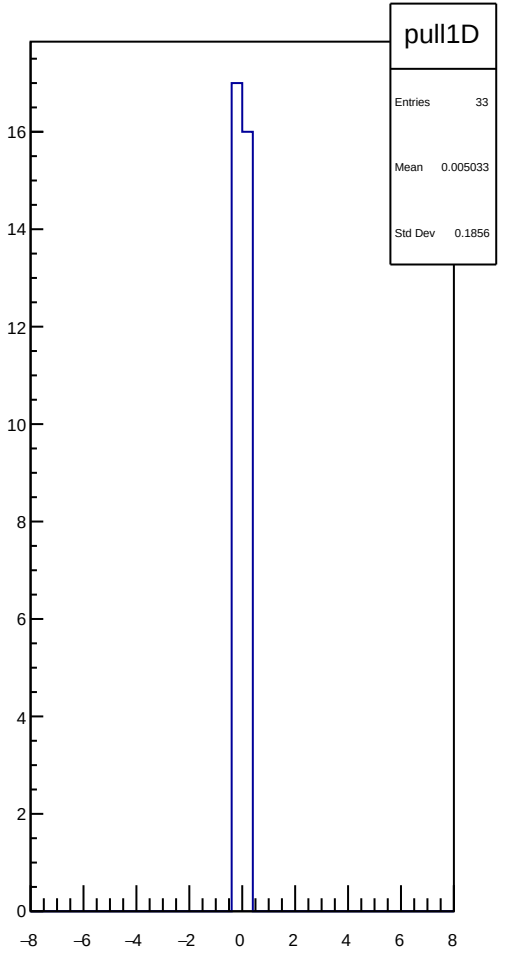

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.938 / 32
p0 32.9 ± 7.545
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.015
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.04781
Std Dev 0.3421
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

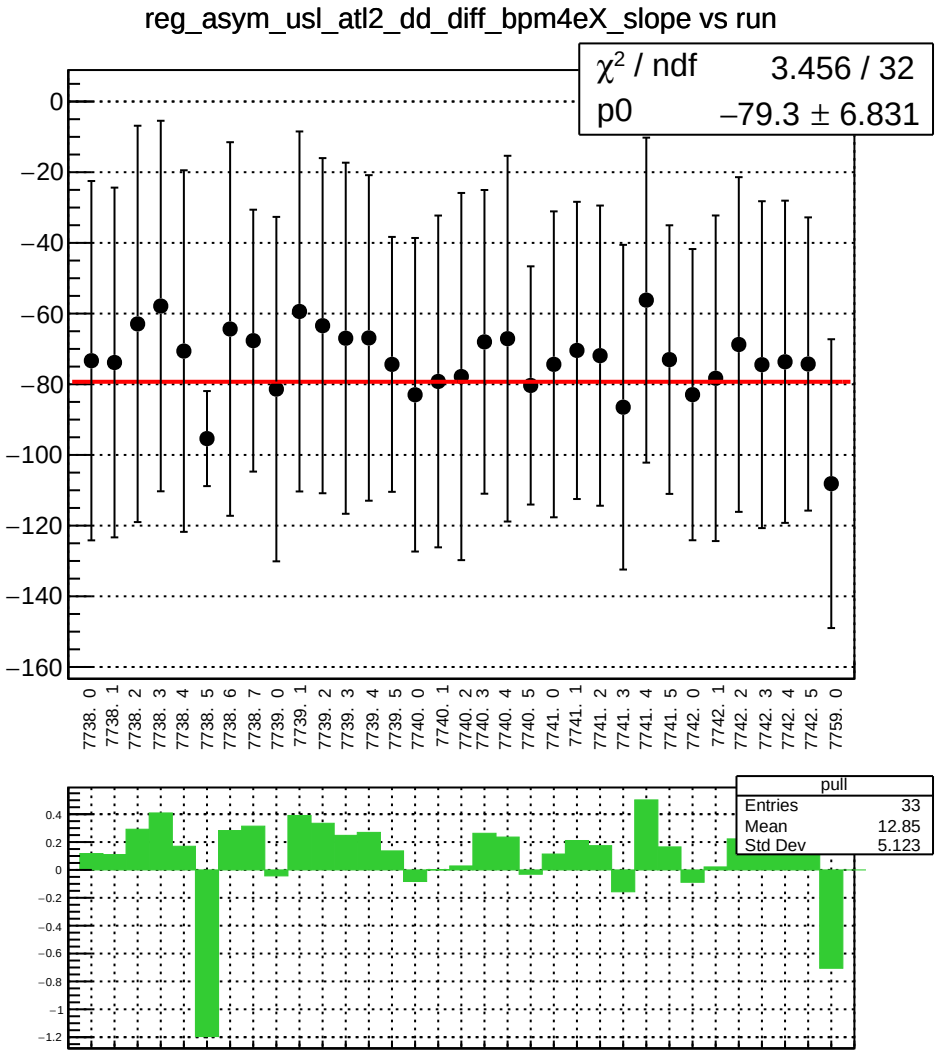

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.565 / 32
p0 −13.04 ± 16.4
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.759
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −0.004982
Std Dev 0.2177
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

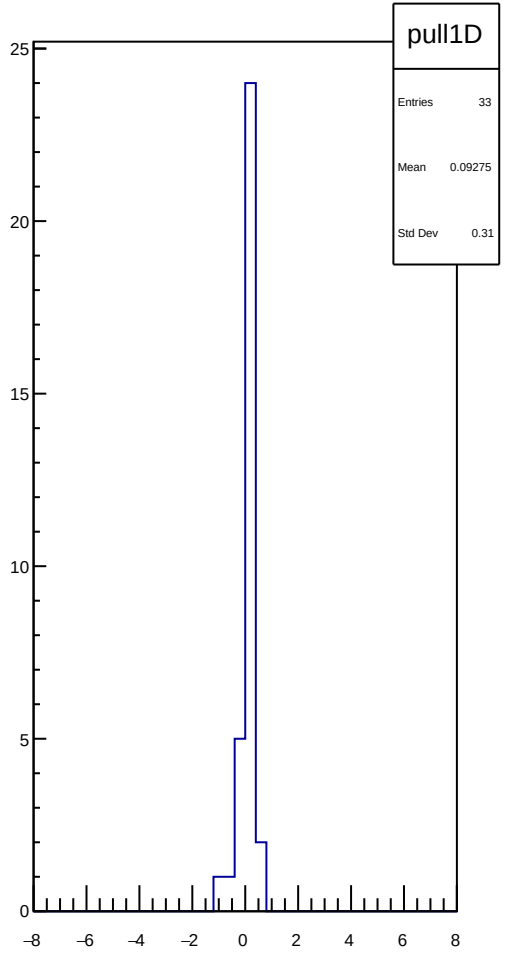

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 11.87 / 32
p0 −145.8 ± 0.5391
−140
−142
−144
−146
−148
−150
−152
−154
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −11.75
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.06098
Std Dev 0.5967
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

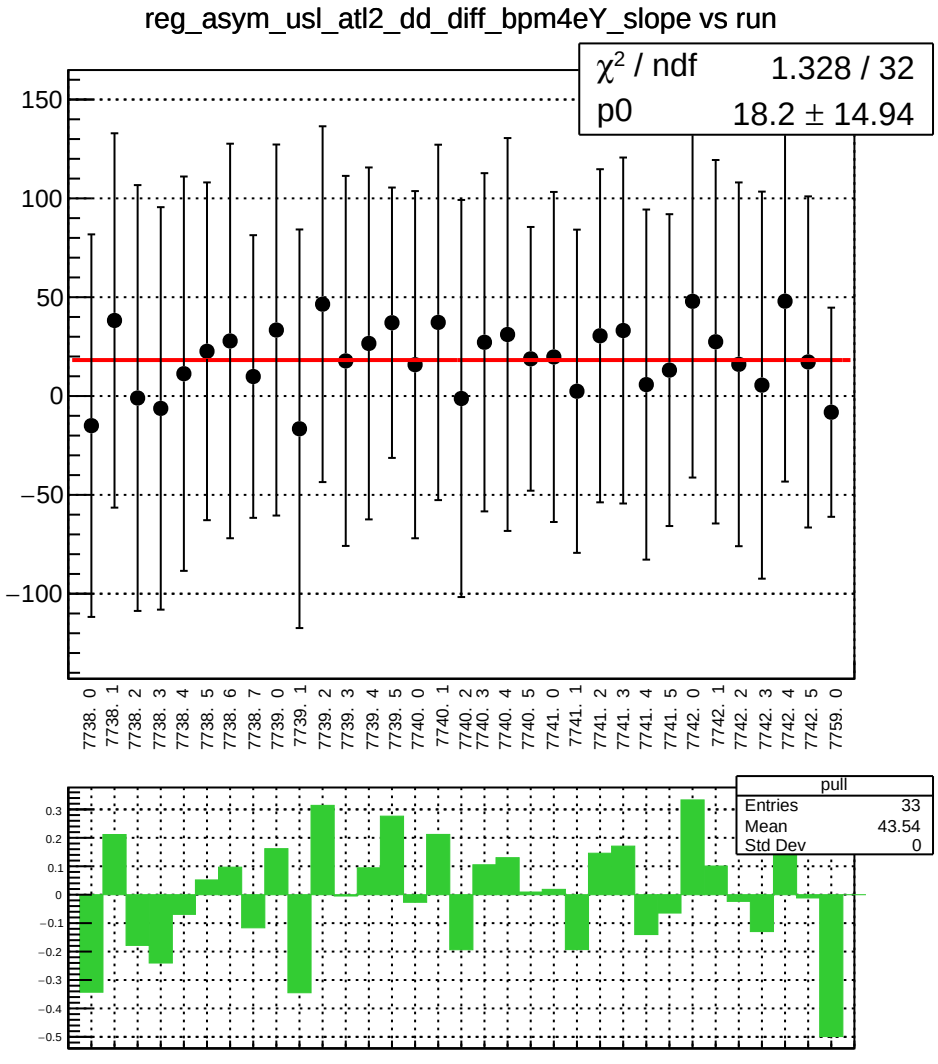

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 3.332 / 32
p0 76.58 ± 6.937
160
140
120
100
80
60
40
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.165
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean −0.06666
Std Dev 0.3107
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

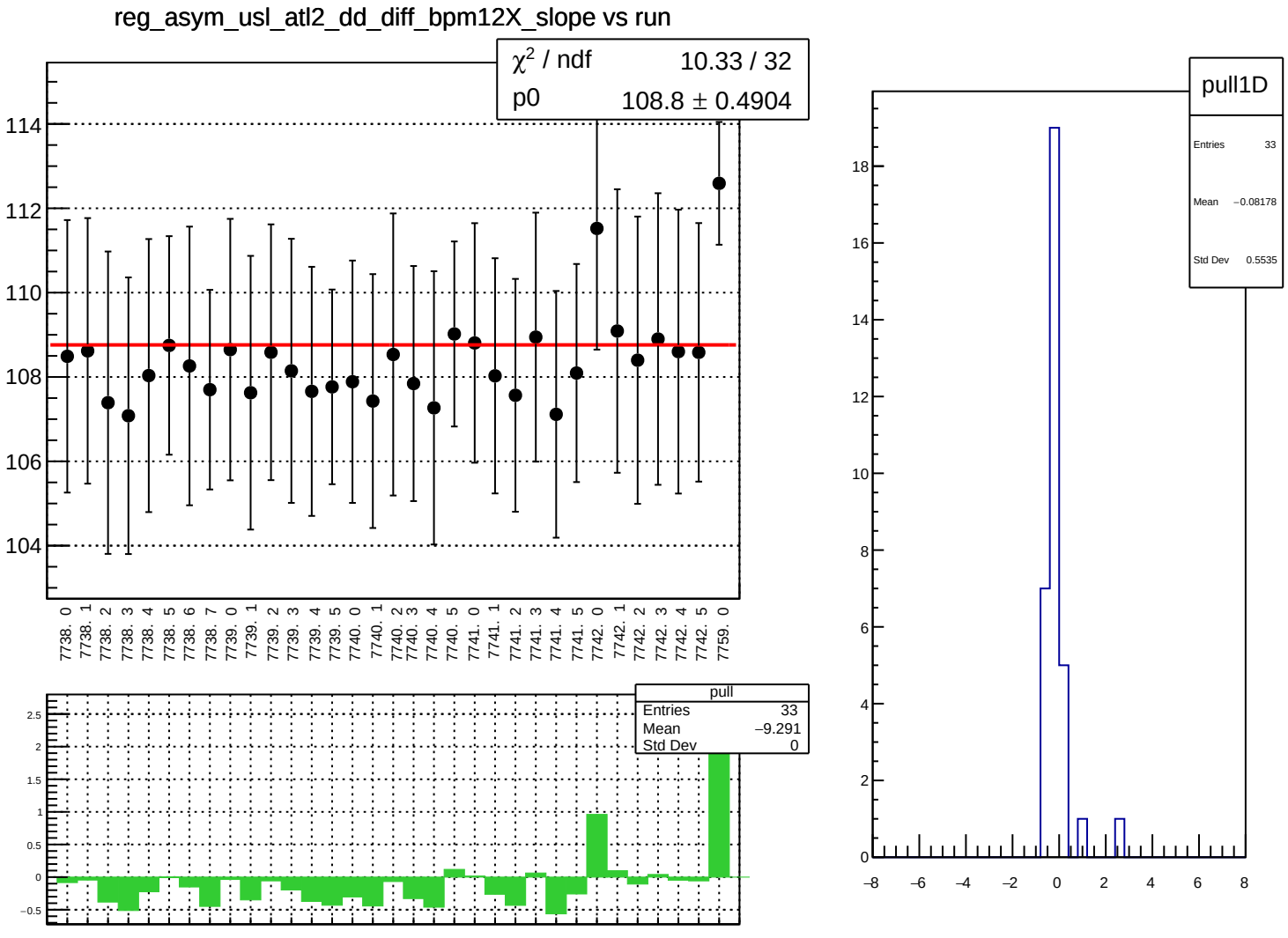

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.138 / 32
p0 −33.55 ± 8.24
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −75.28
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

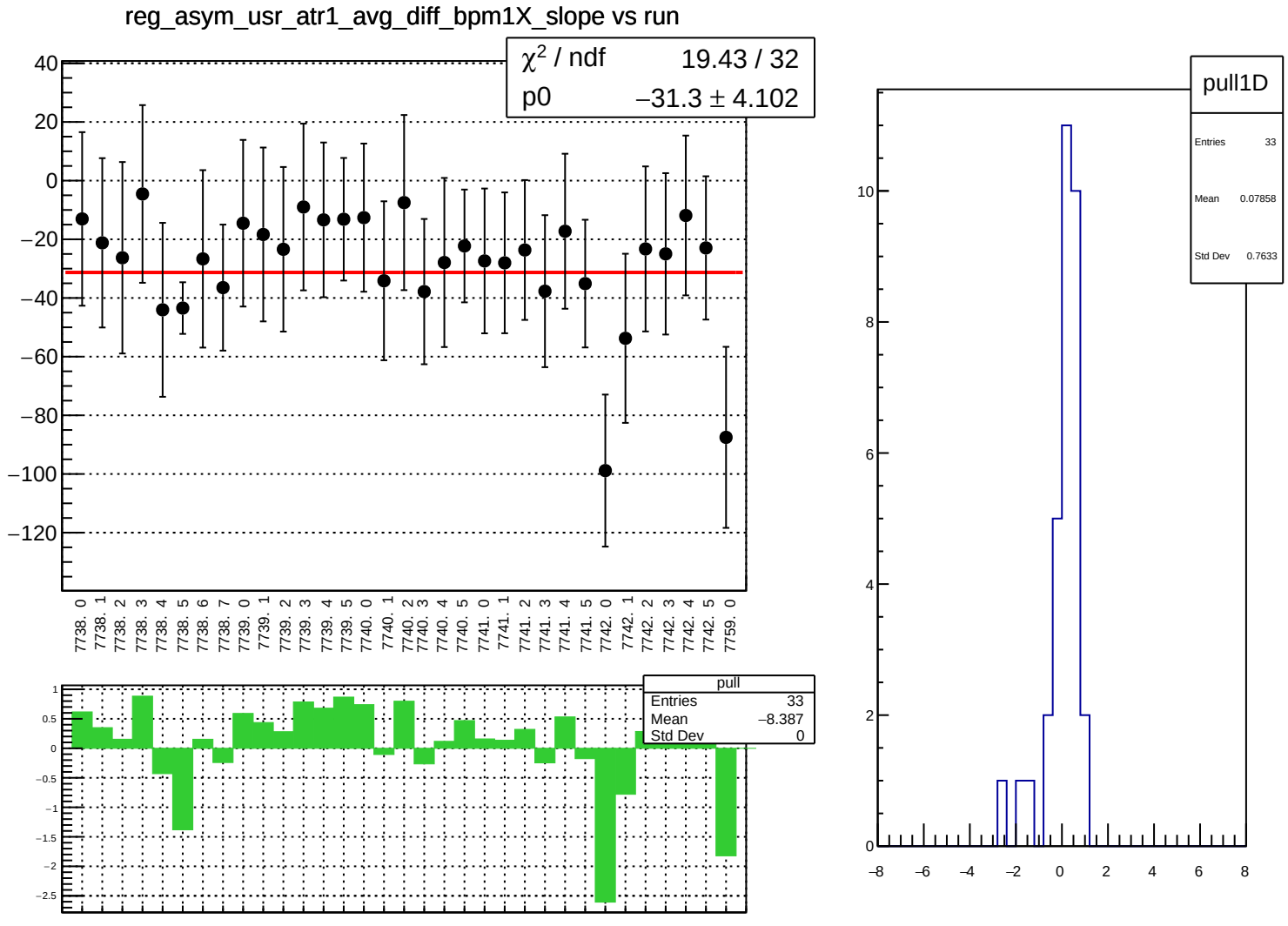

pull1D
Entries 33
Mean 0.005033
Std Dev 0.1856
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

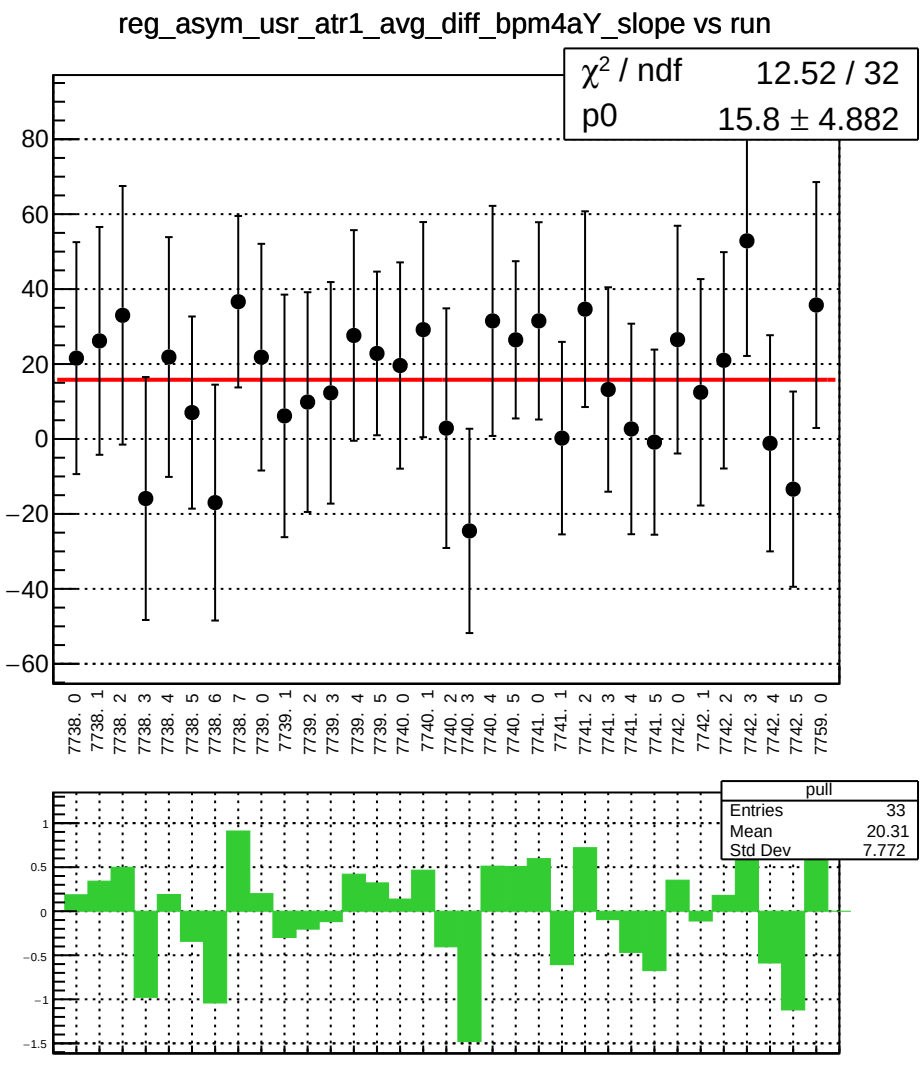

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.456 / 32
p0 −79.3 ± 6.831
0
−20
−40
−60
−80
−100
−120
−140
−160
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.85
Std Dev 5.123
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

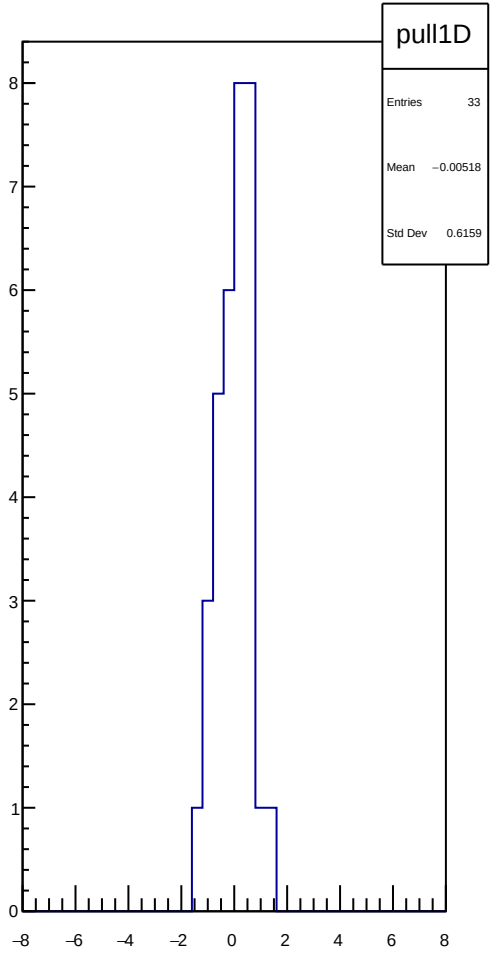

pull1D
Entries 33
Mean 0.09275
Std Dev 0.31
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

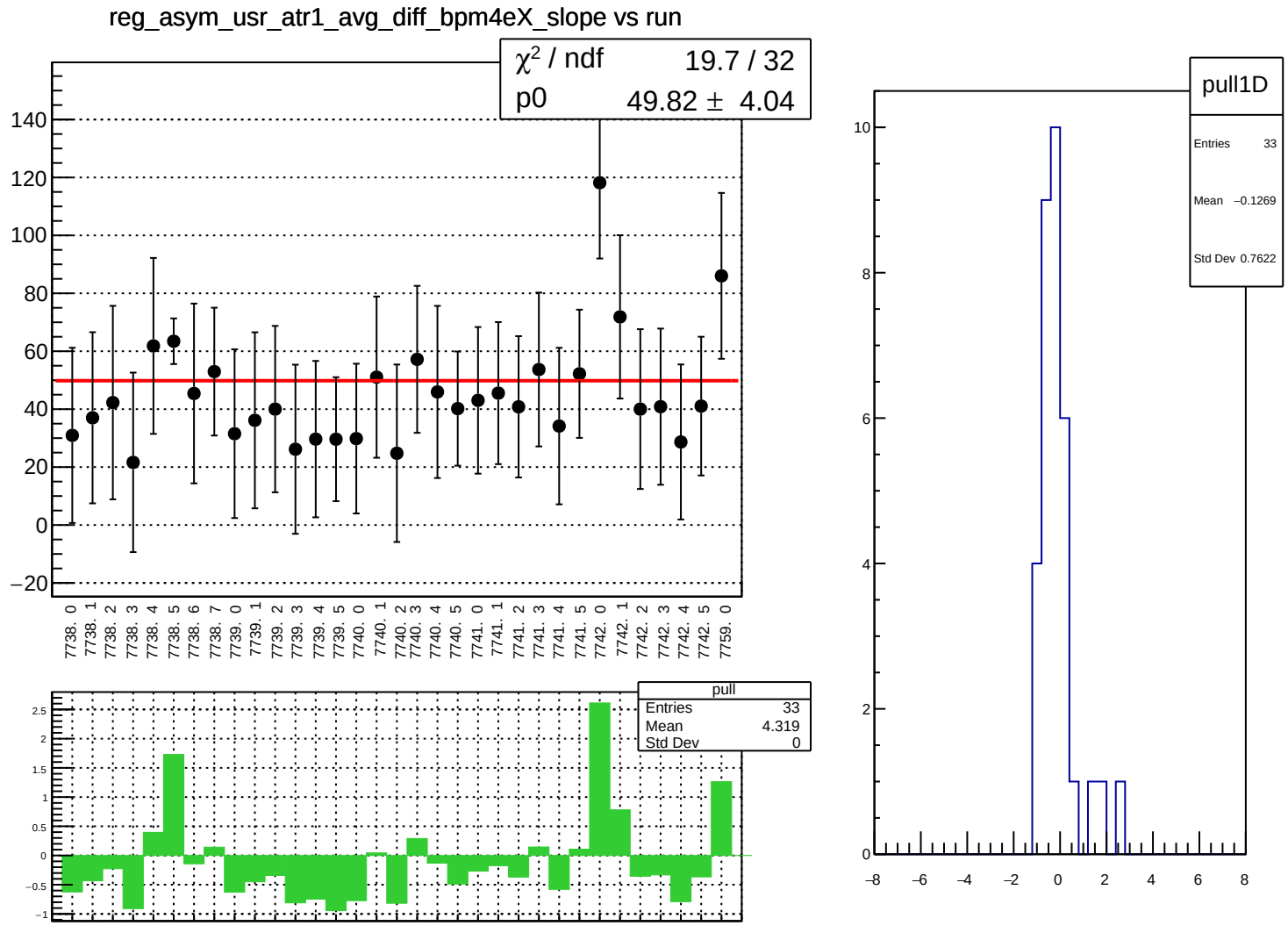

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.328 / 32
p0 18.2 ± 14.94
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 43.54
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 33
Mean 0.005519
Std Dev 0.2006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

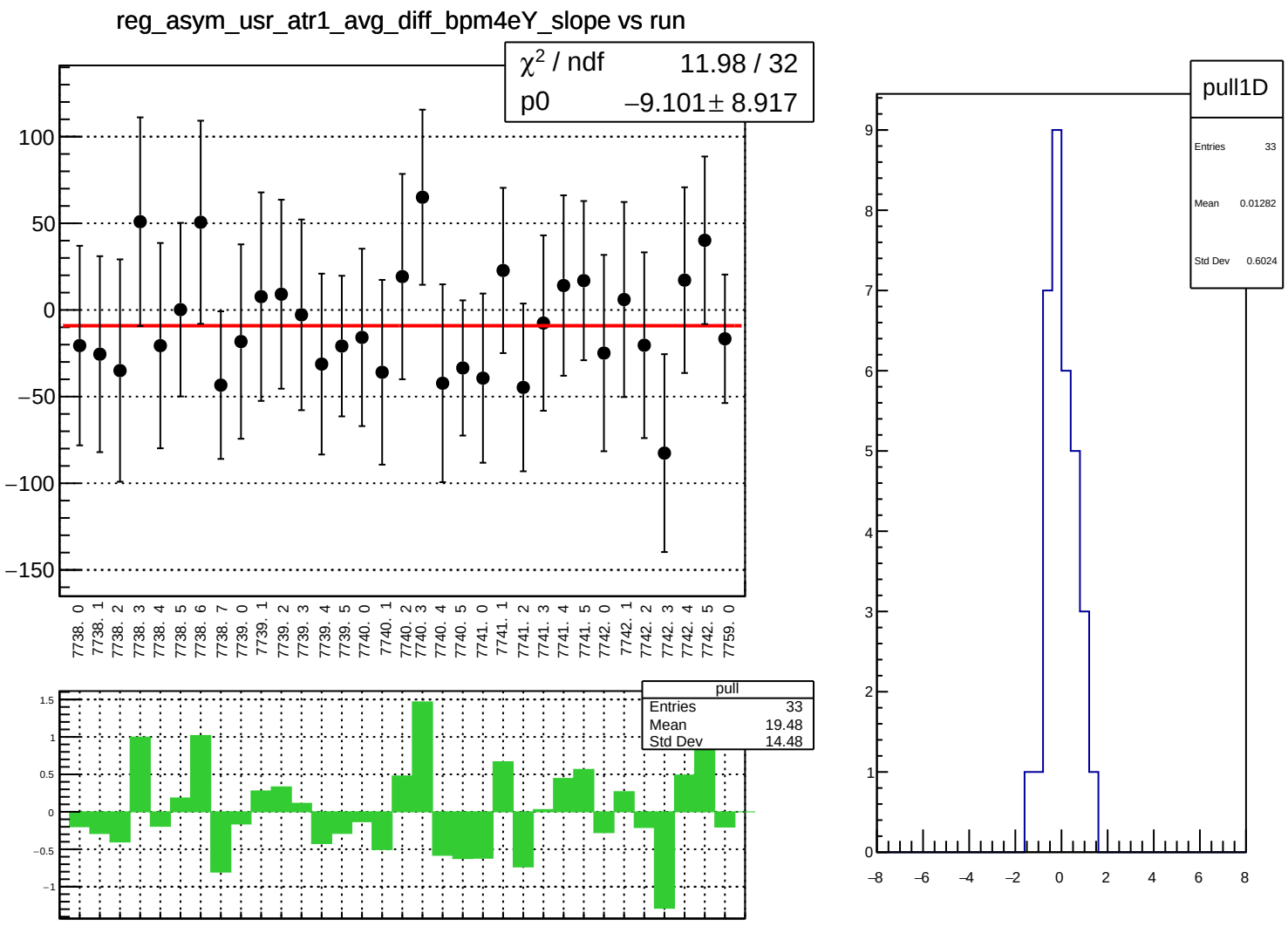

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.33 / 32
p0 108.8 ± 0.4904
114
112
110
108
106
104
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −9.291
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.08178
Std Dev 0.5535
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

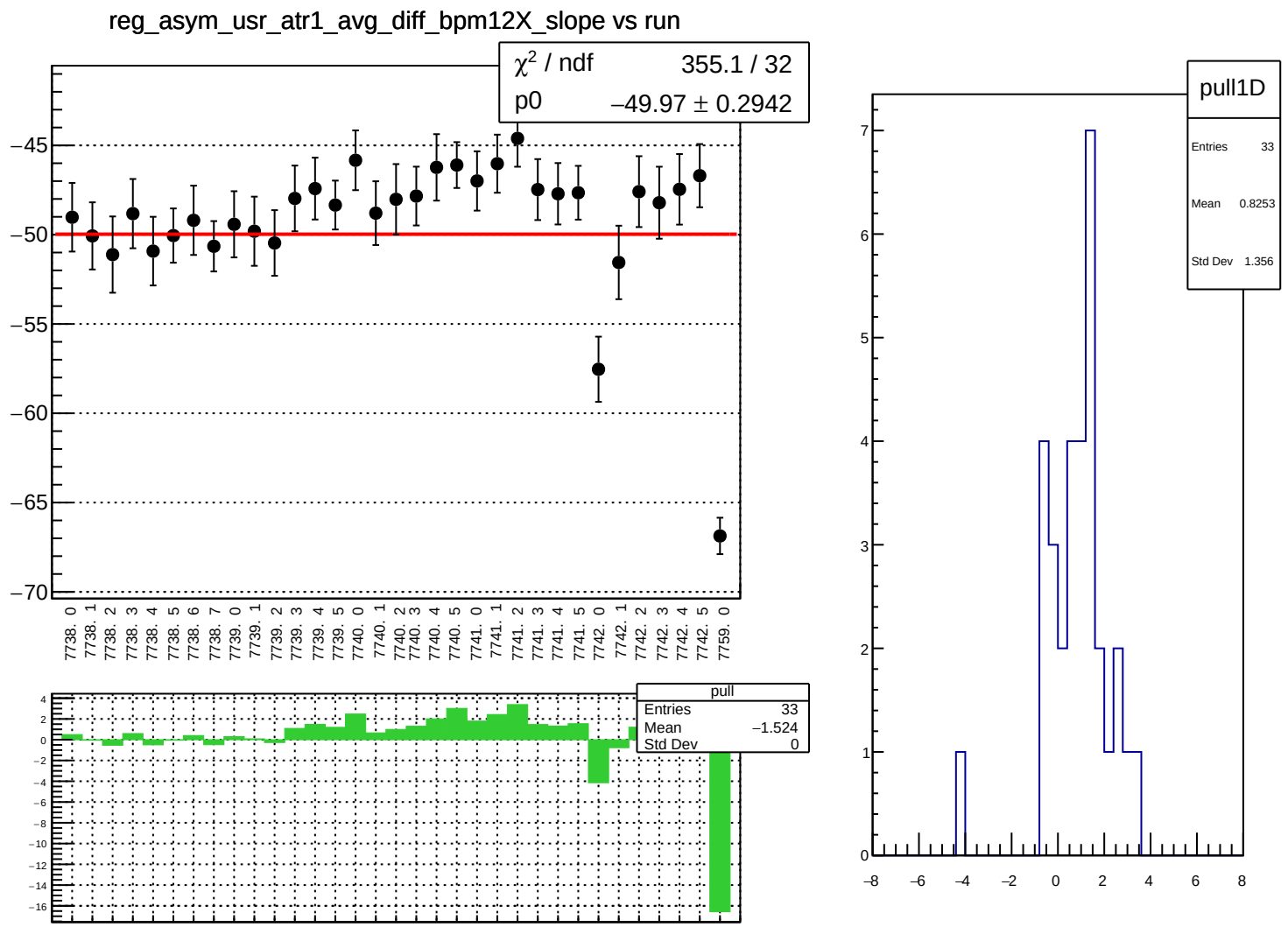

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 19.43 / 32
p0 −31.3 ± 4.102
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −8.387
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.07858
Std Dev 0.7633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

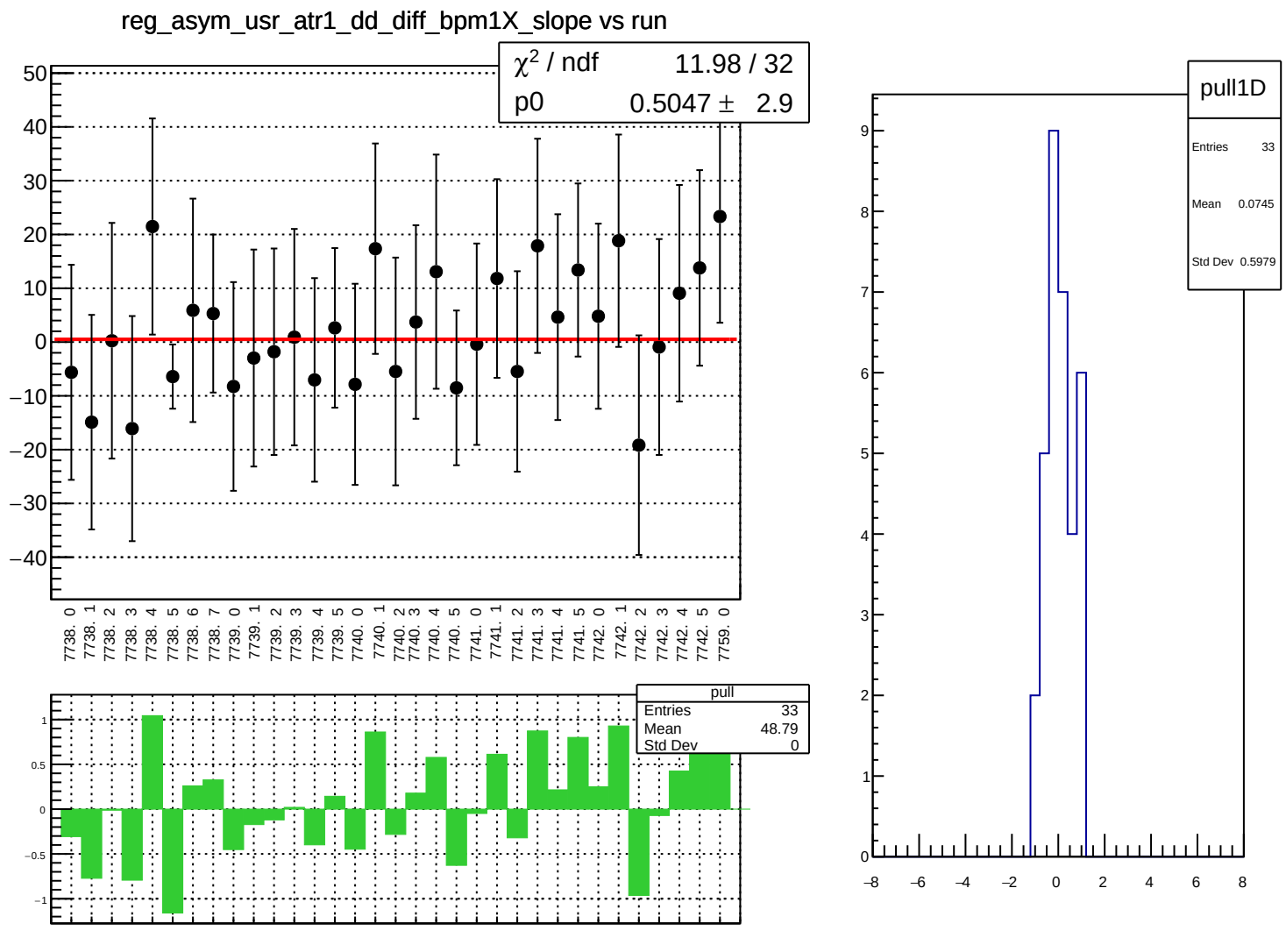

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.52 / 32
p0 15.8 ± 4.882
pull
Entries 33
Mean 20.31
Std Dev 7.772

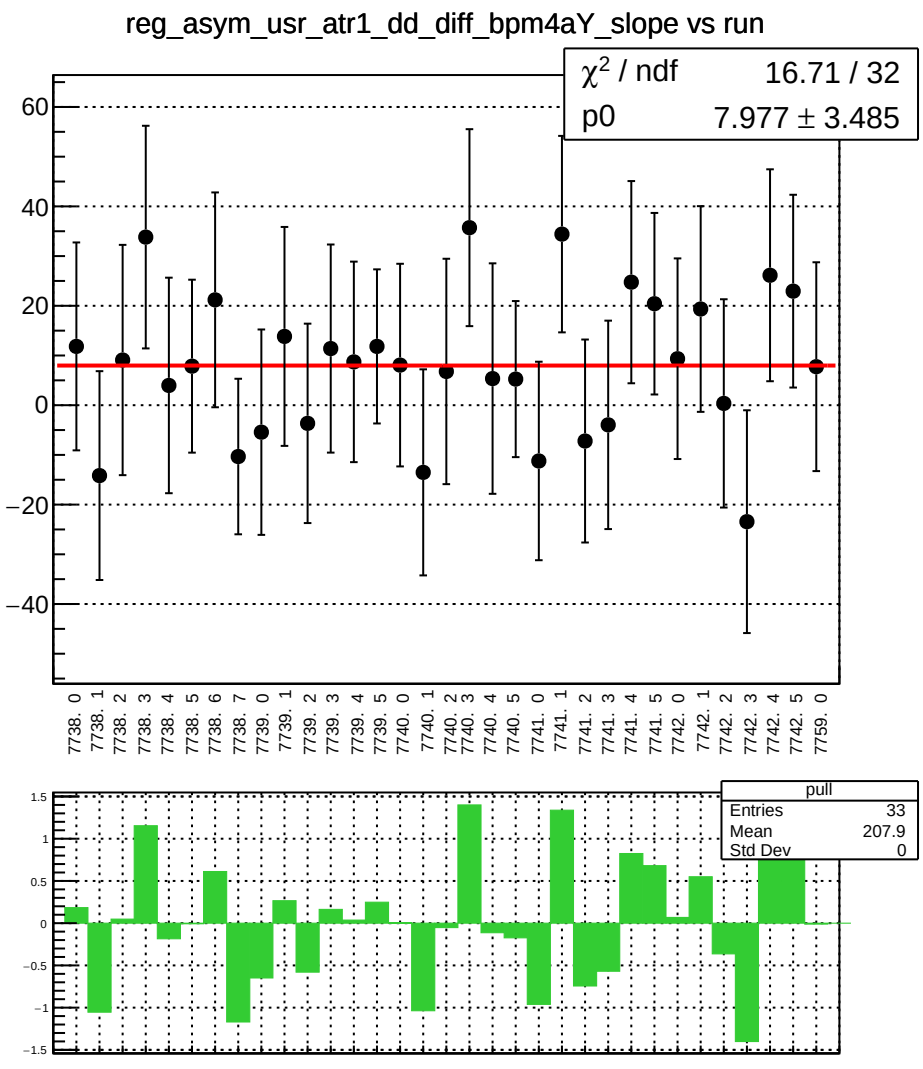

pull1D
Entries 33
Mean −0.00518
Std Dev 0.6159

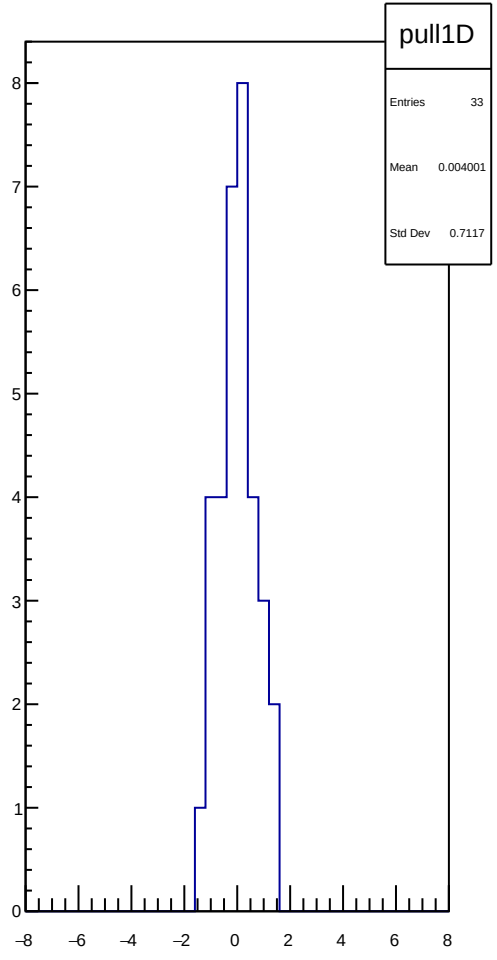

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.7 / 32
p0 49.82 ± 4.04
140
120
100
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.319
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.1269
Std Dev 0.7622
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

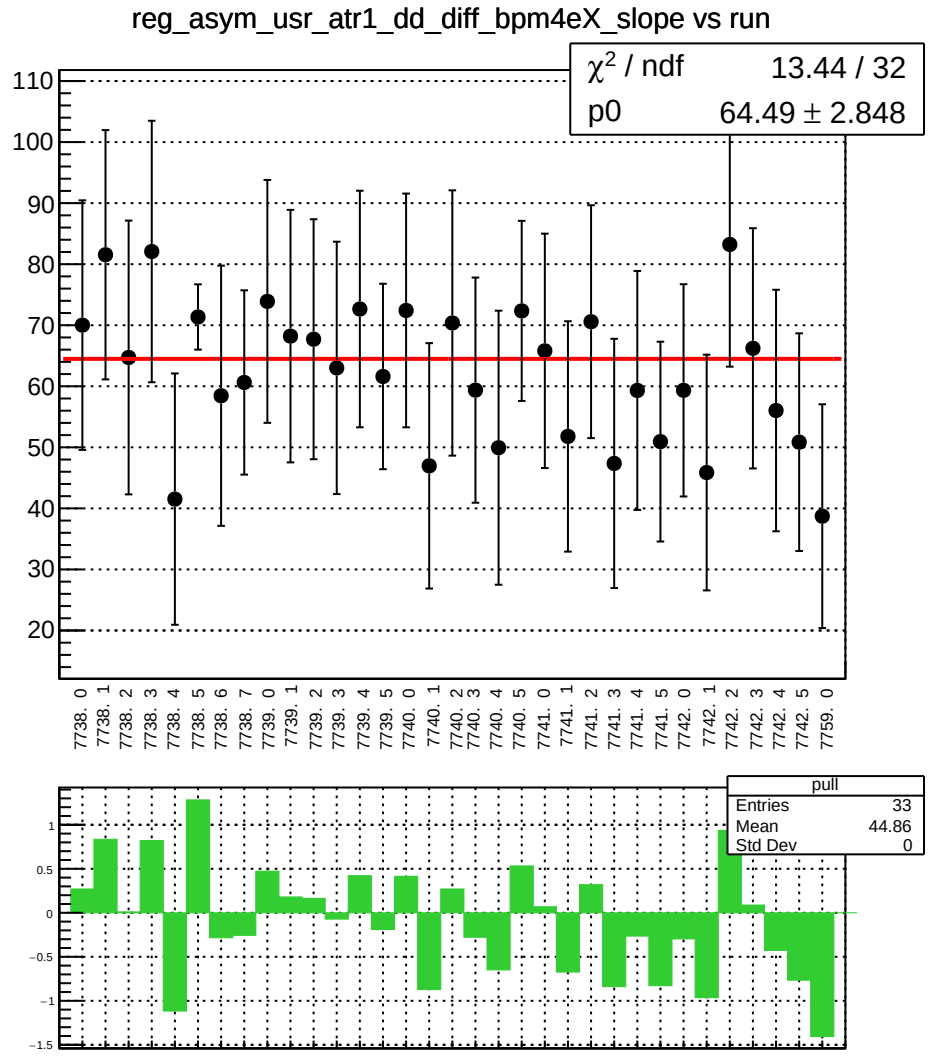

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.98 / 32
p0 −9.101 ± 8.917
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.48
Std Dev 14.48
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean 0.01282
Std Dev 0.6024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

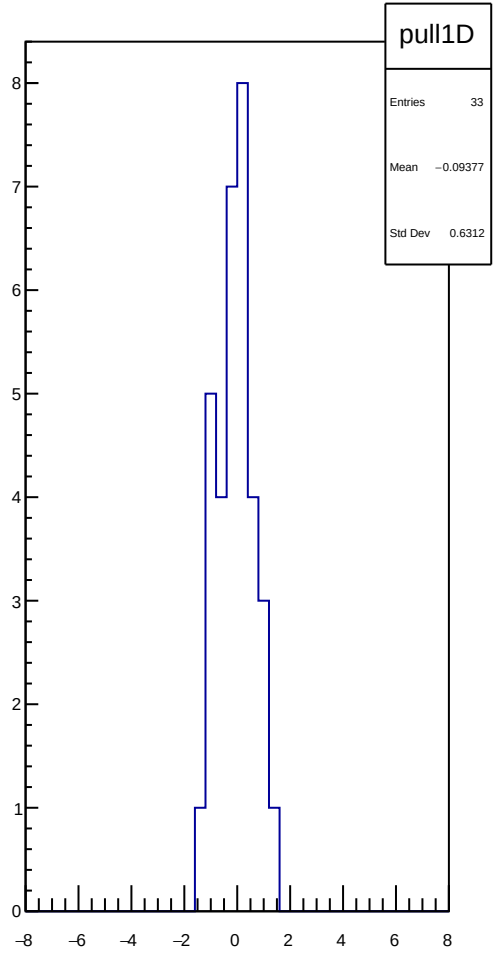

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 355.1 / 32
p0 −49.97 ± 0.2942
−45
−50
−55
−60
−65
−70
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.524
Std Dev 0
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 33
Mean 0.8253
Std Dev 1.356
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

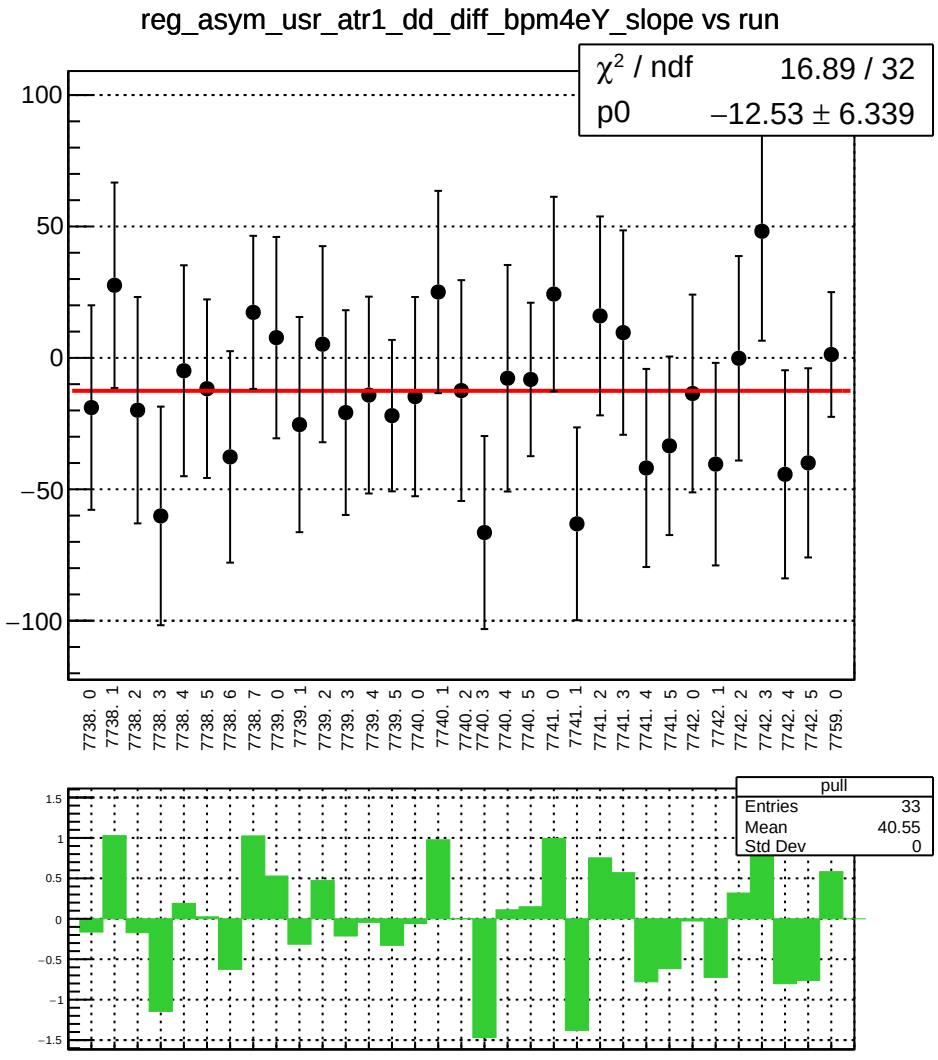

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 11.98 / 32
p0 0.5047 ± 2.9
pull
Entries 33
Mean 48.79
Std Dev 0
pull1D
Entries 33
Mean 0.0745
Std Dev 0.5979

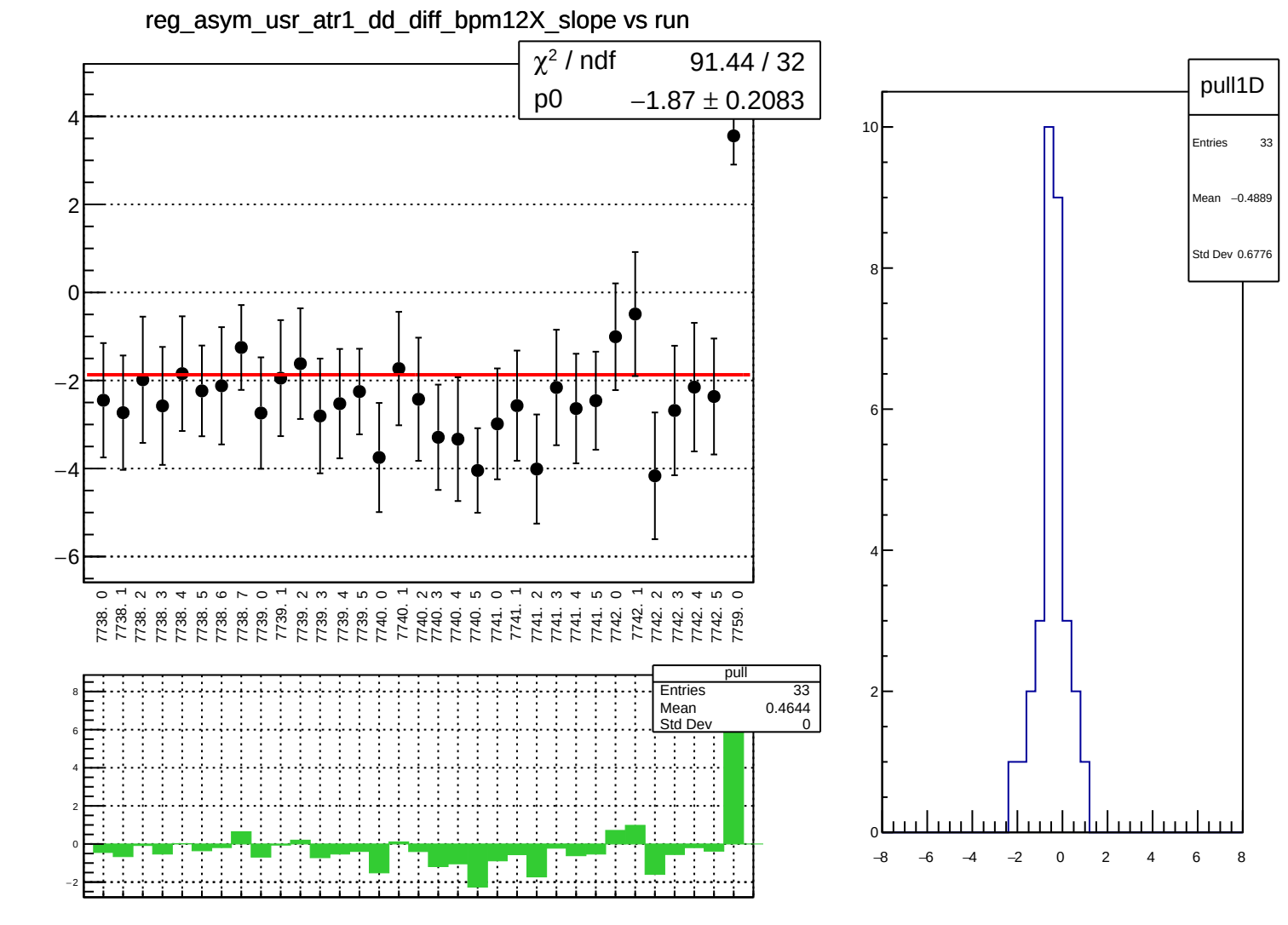

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.71 / 32
p0 7.977 ± 3.485
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 207.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

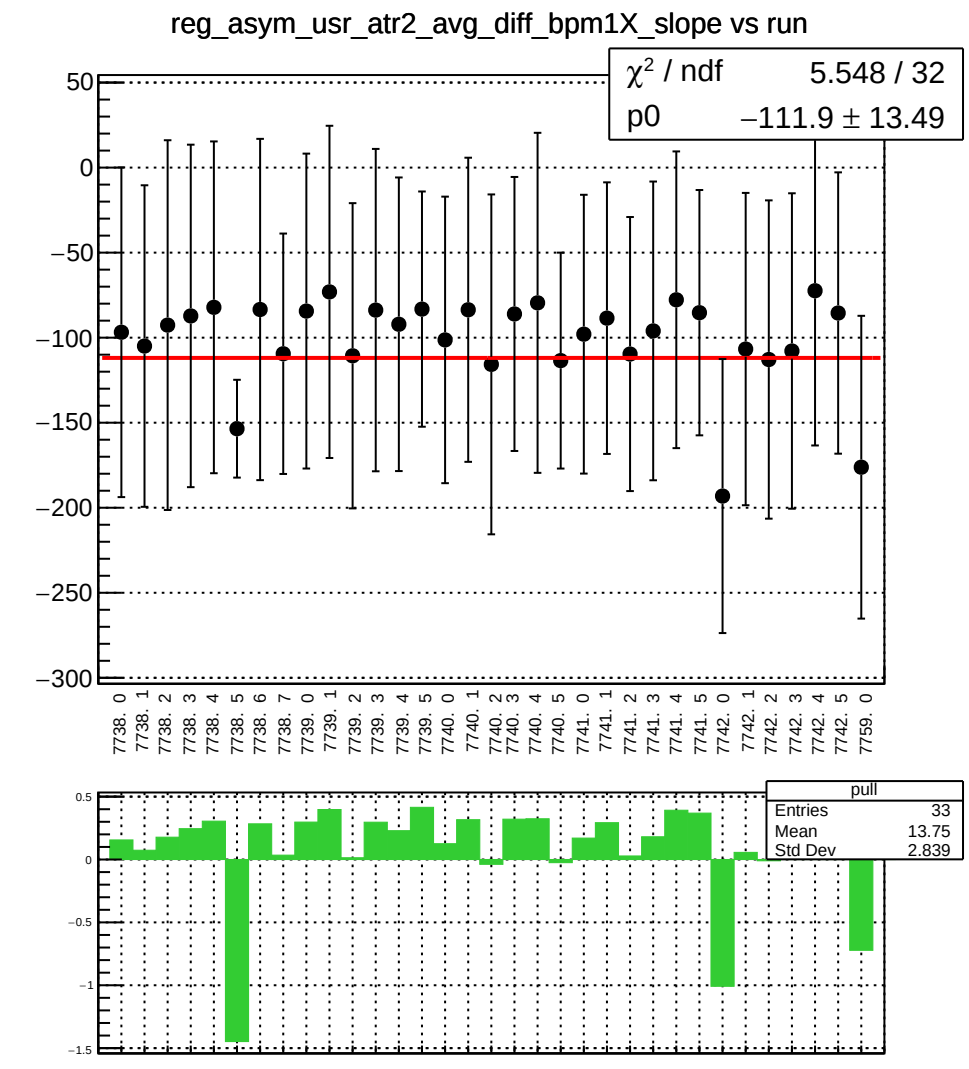

pull1D
Entries 33
Mean 0.004001
Std Dev 0.7117
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

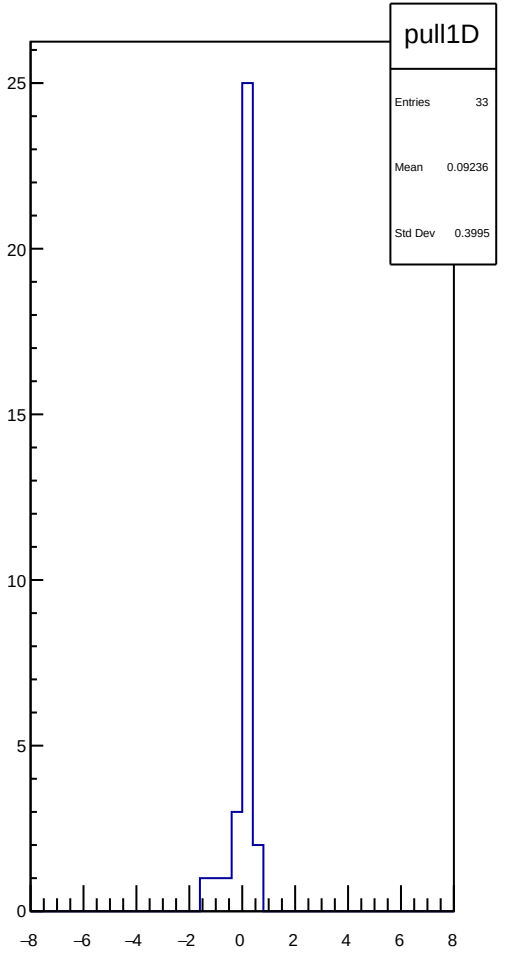

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.44 / 32
p0 64.49 ± 2.848
pull
Entries 33
Mean 44.86
Std Dev 0

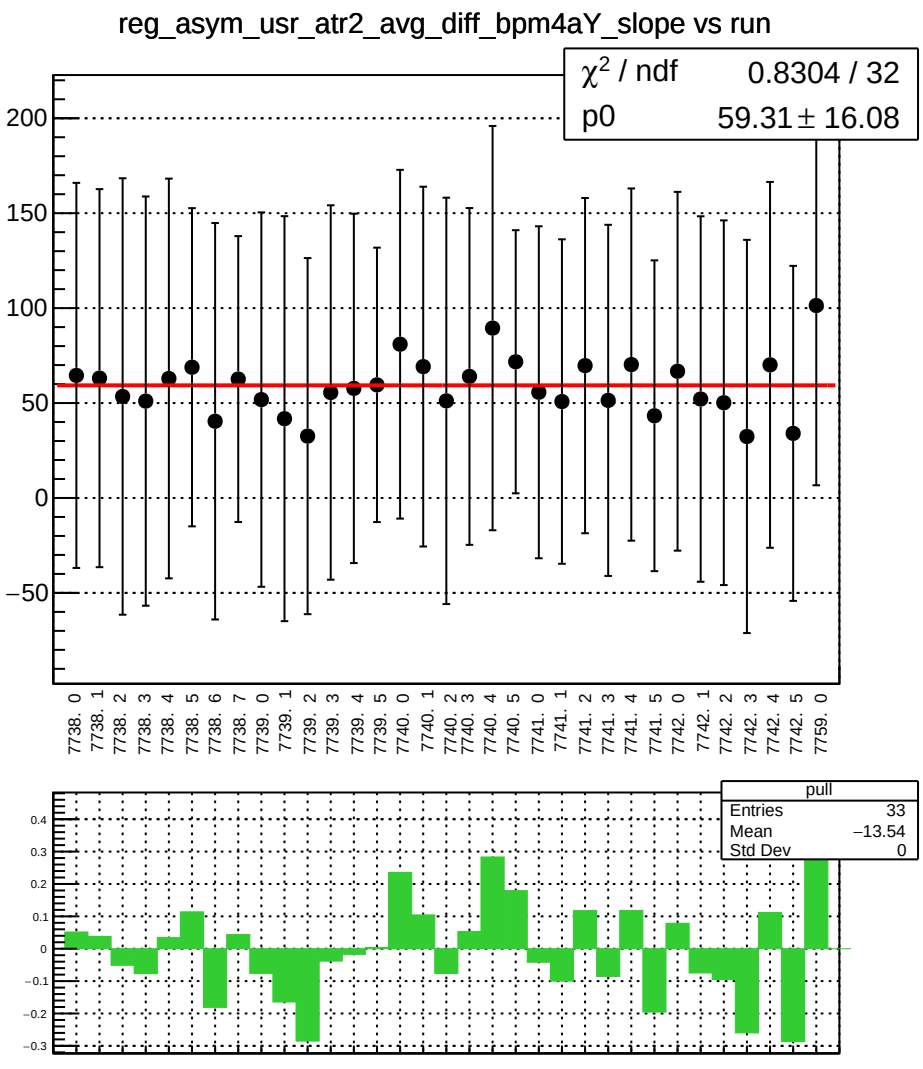

pull1D
Entries 33
Mean −0.09377
Std Dev 0.6312

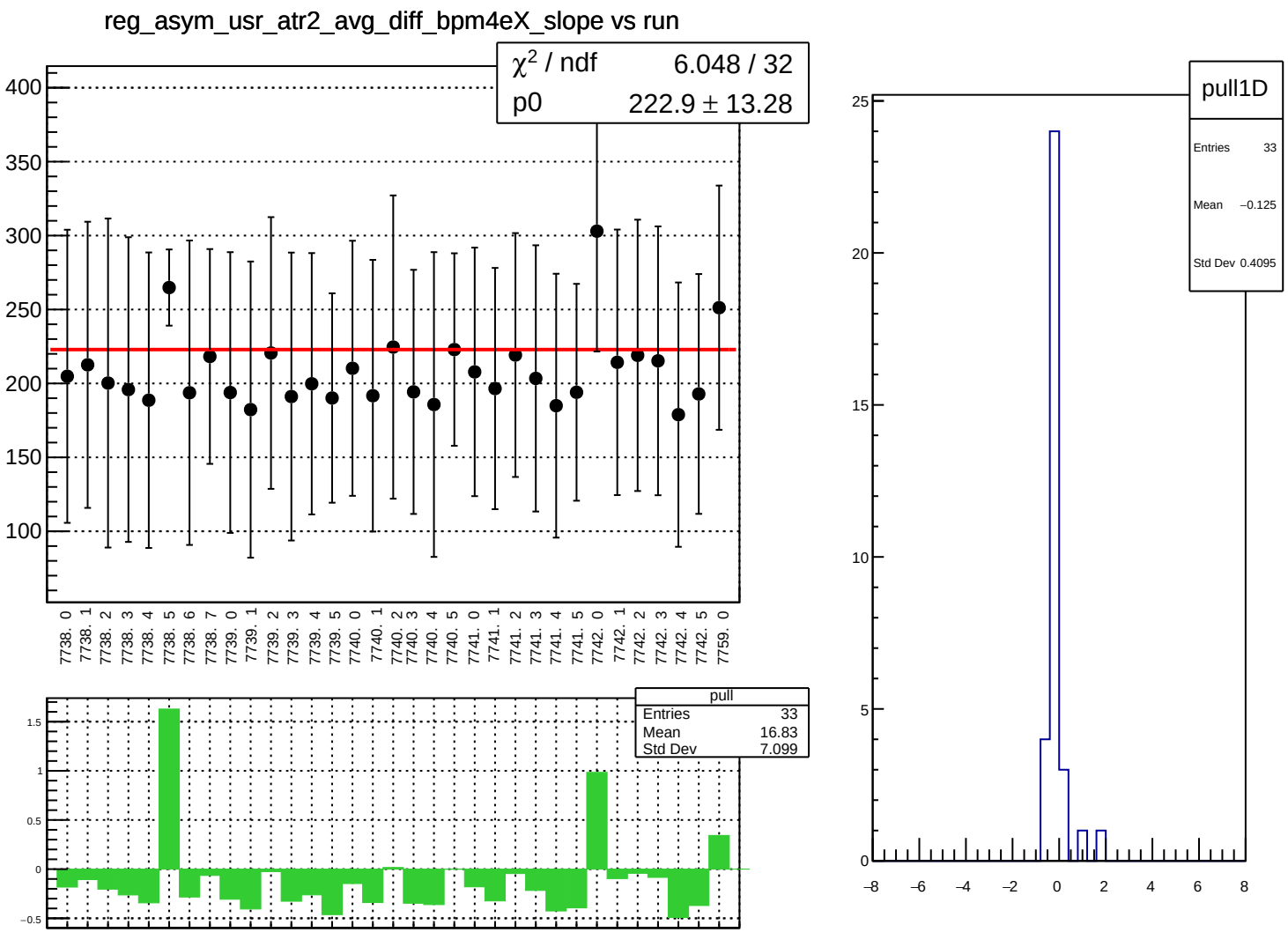

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.89 / 32
p0 −12.53 ± 6.339
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 40.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.01306
Std Dev 0.7153
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

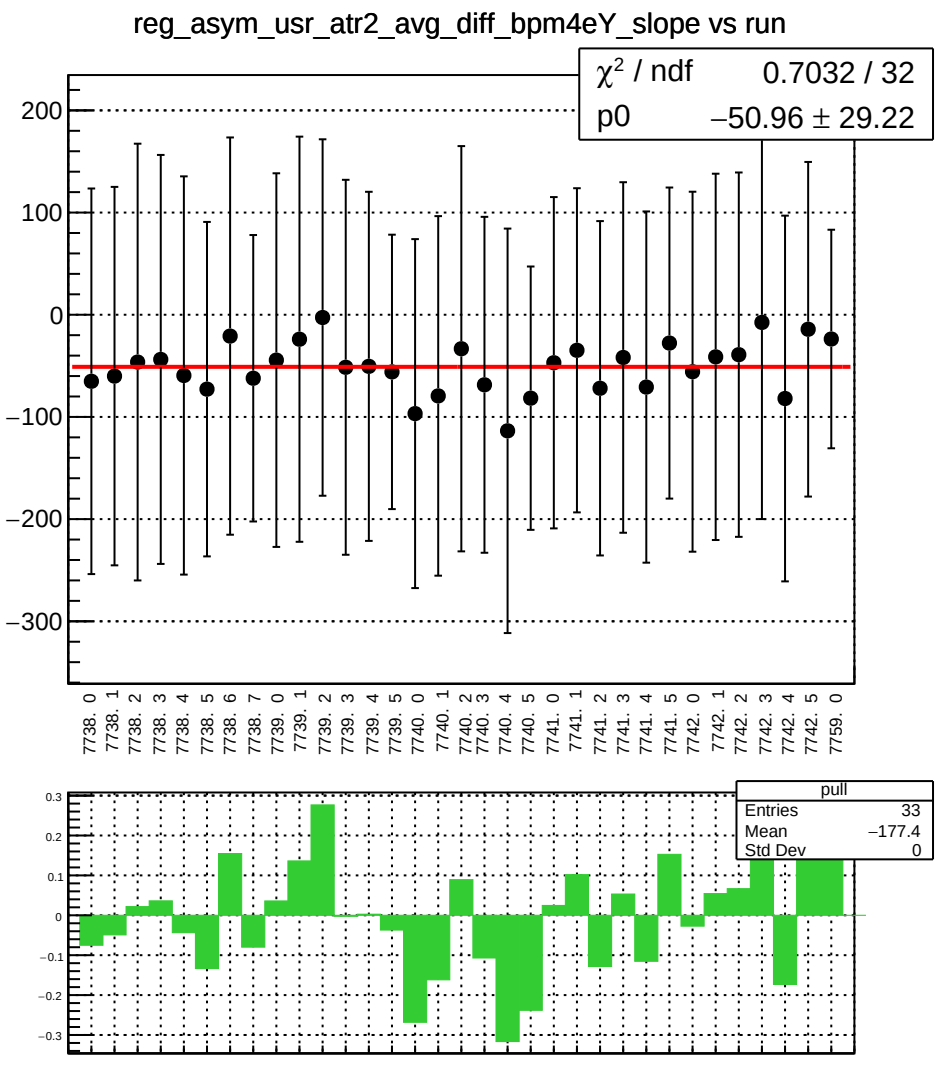

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 91.44 / 32
p0 −1.87 ± 0.2083
4
2
0
−2
−4
−6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.4644
Std Dev 0
8
6
4
2
0
−2
pull1D
Entries 33
Mean −0.4889
Std Dev 0.6776
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

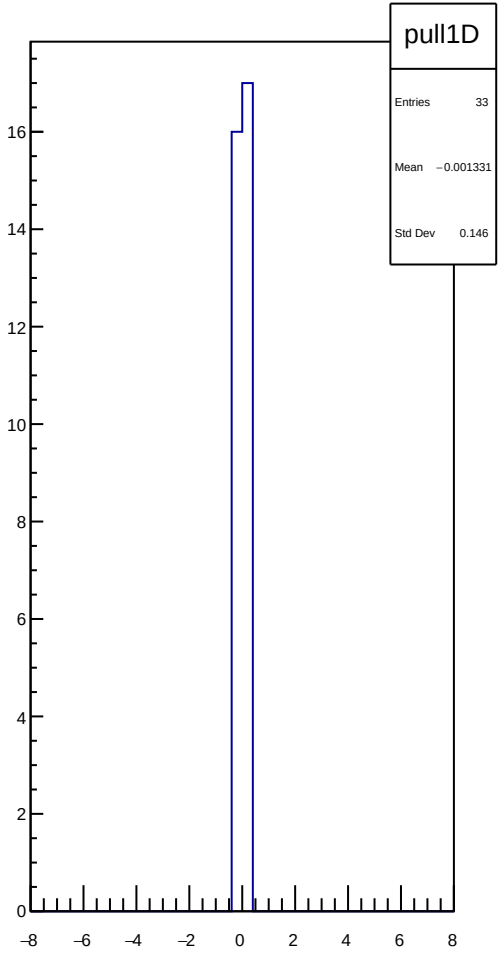

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.548 / 32
p0 −111.9 ± 13.49
50
0
−50
−100
−150
−200
−250
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 13.75
Std Dev 2.839
0.5
0
−0.5
−1
−1.5

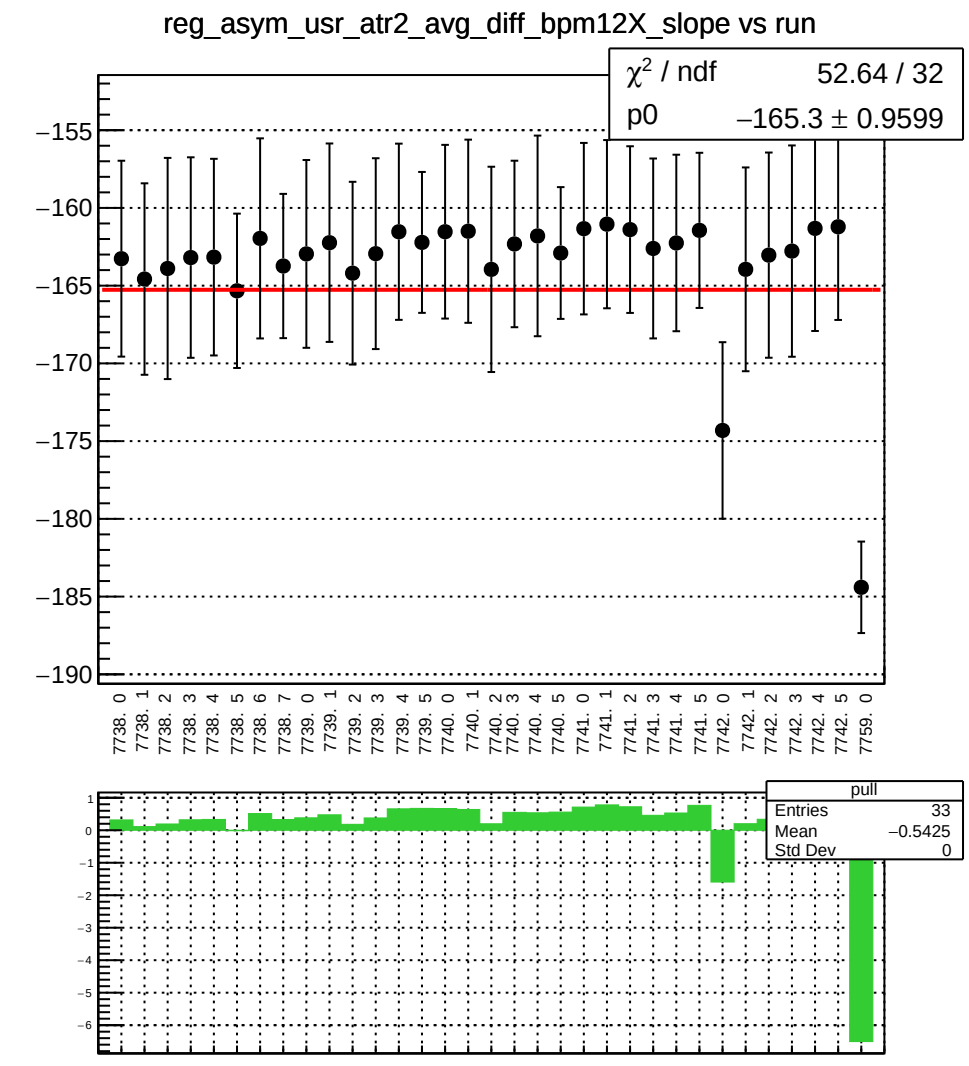

pull1D
Entries 33
Mean 0.09236
Std Dev 0.3995
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

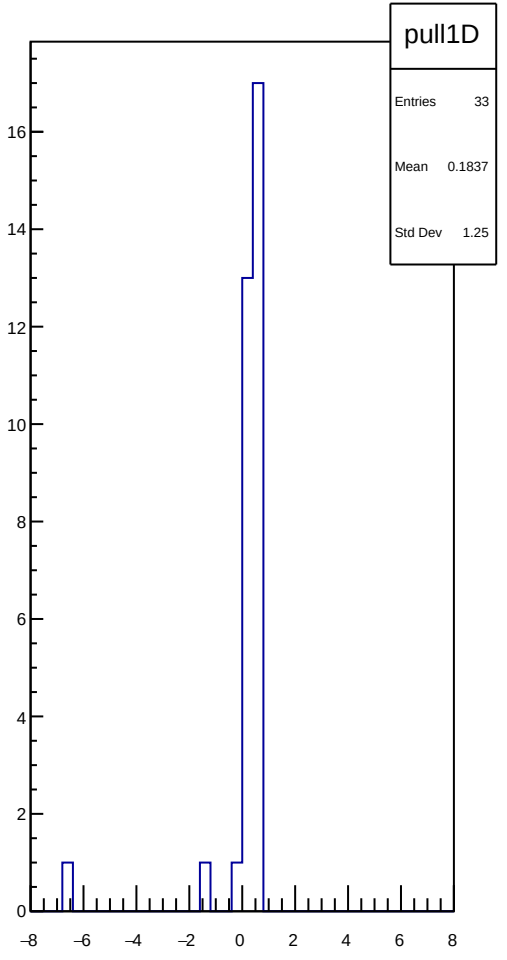

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.8304 / 32
p0 59.31 ± 16.08
200
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −13.54
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −0.002834
Std Dev 0.1586
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

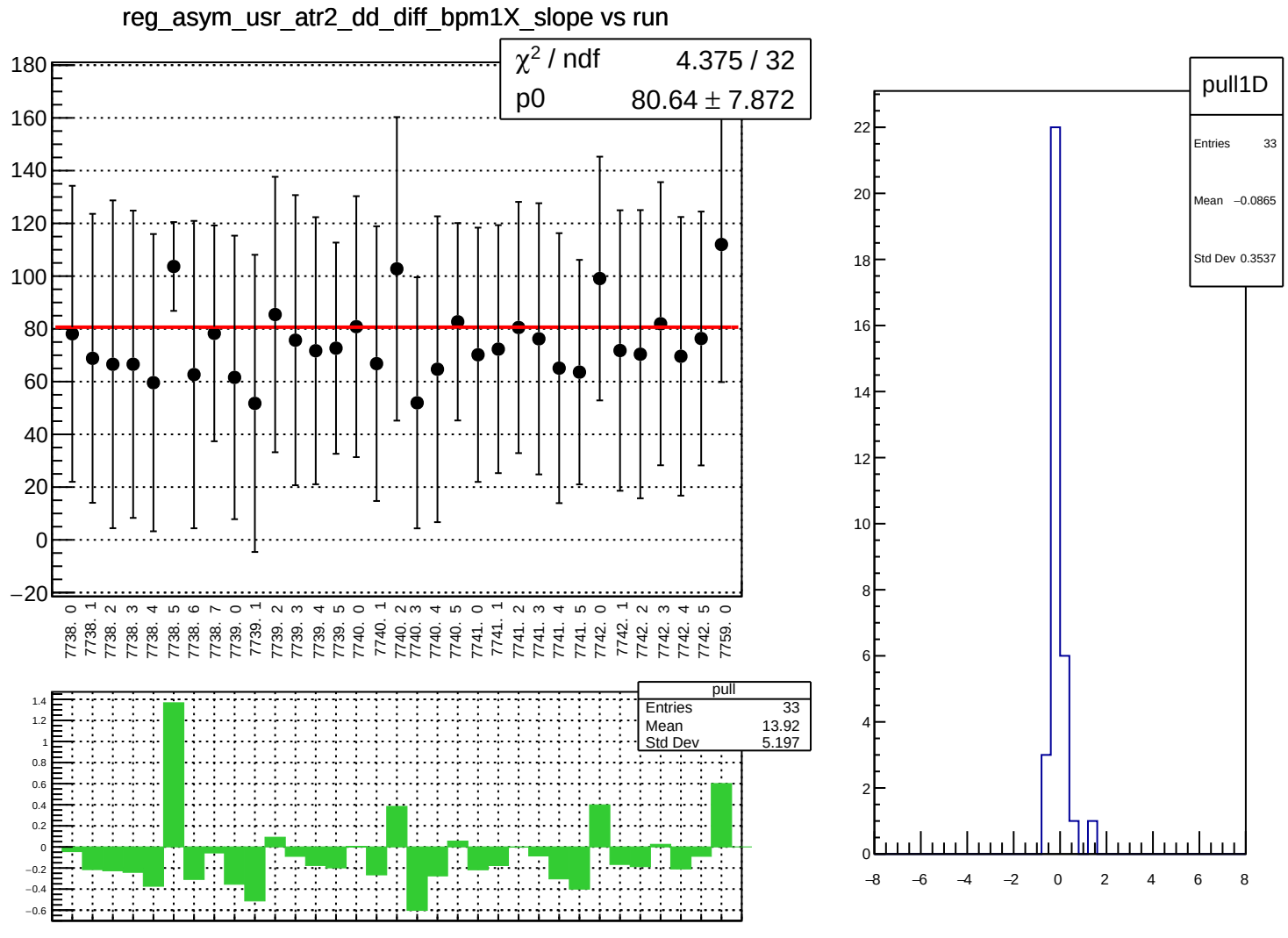

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.048 / 32
p0 222.9 ± 13.28
400
350
300
250
200
150
100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.83
Std Dev 7.099
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.125
Std Dev 0.4095
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

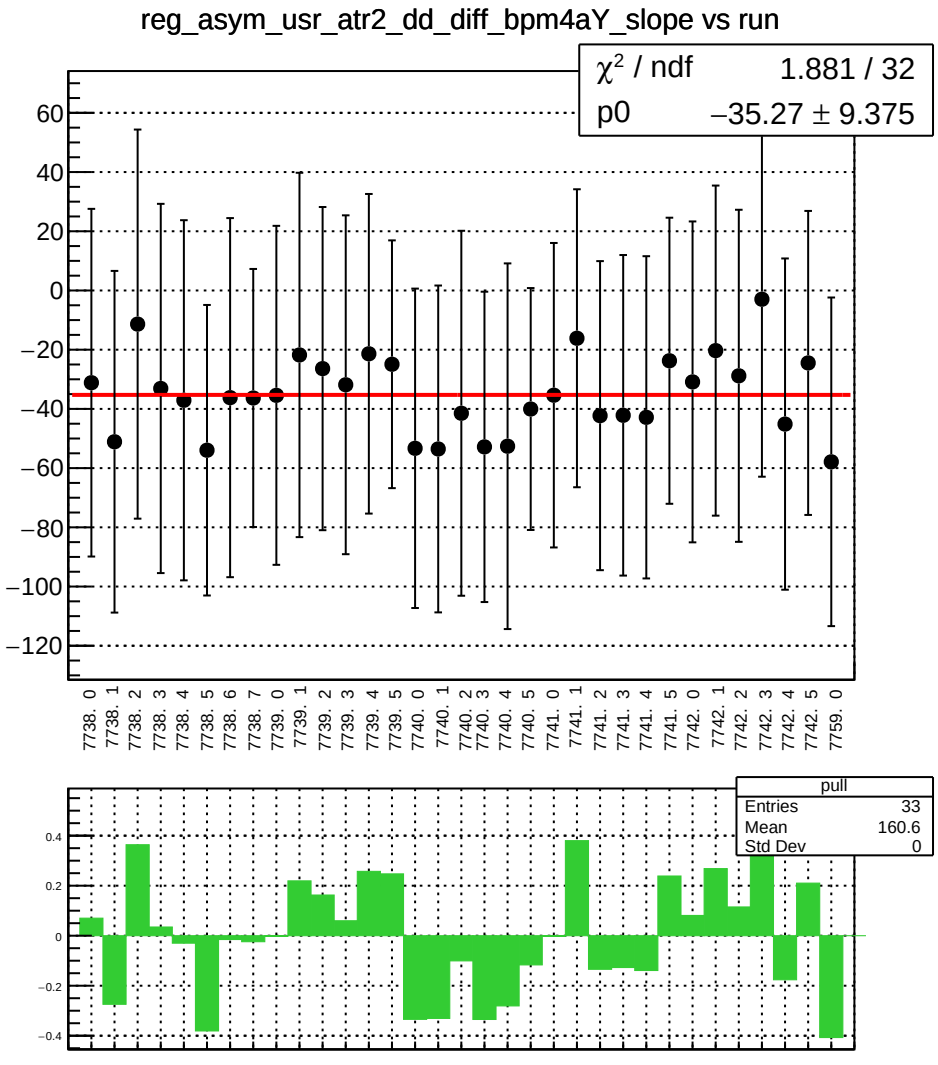

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.7032 / 32
p0 −50.96 ± 29.22
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −177.4
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

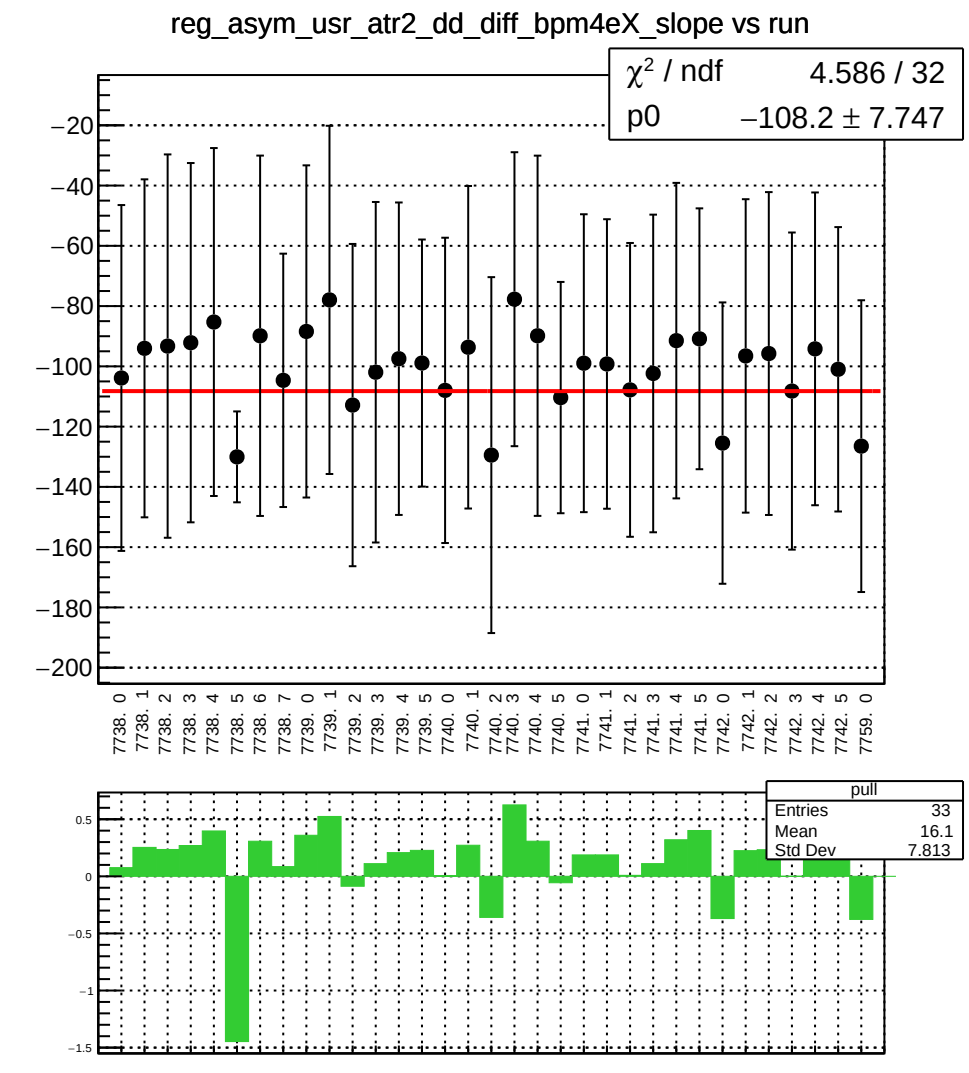

pull1D
Entries 33
Mean −0.001331
Std Dev 0.146
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

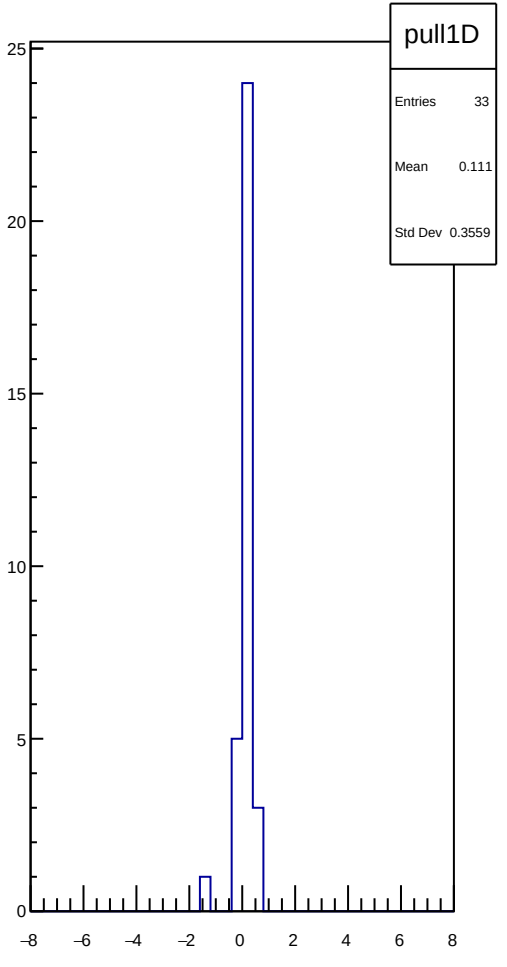

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 52.64 / 32
p0 −165.3 ± 0.9599
−155
−160
−165
−170
−175
−180
−185
−190
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −0.5425
Std Dev 0
1
0
−1
−2
−3
−4
−5
−6

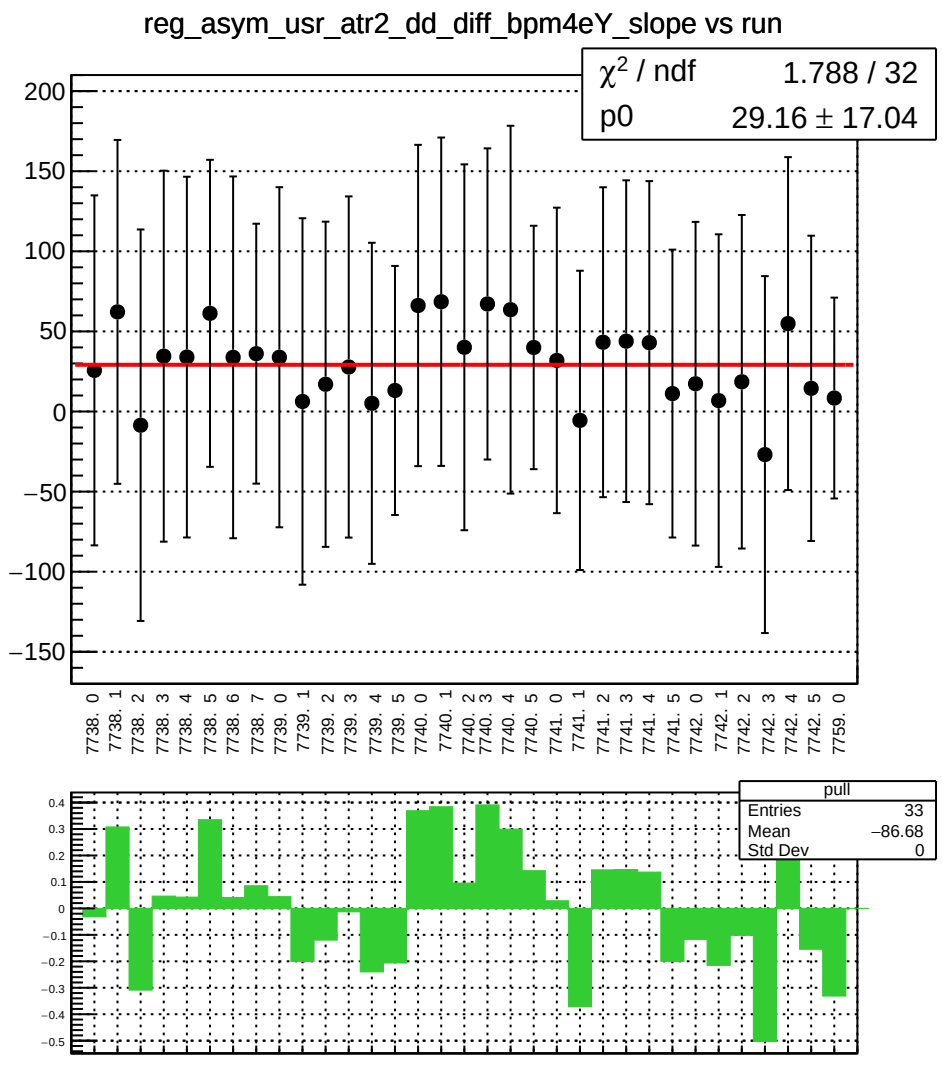

pull1D
Entries 33
Mean 0.1837
Std Dev 1.25
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

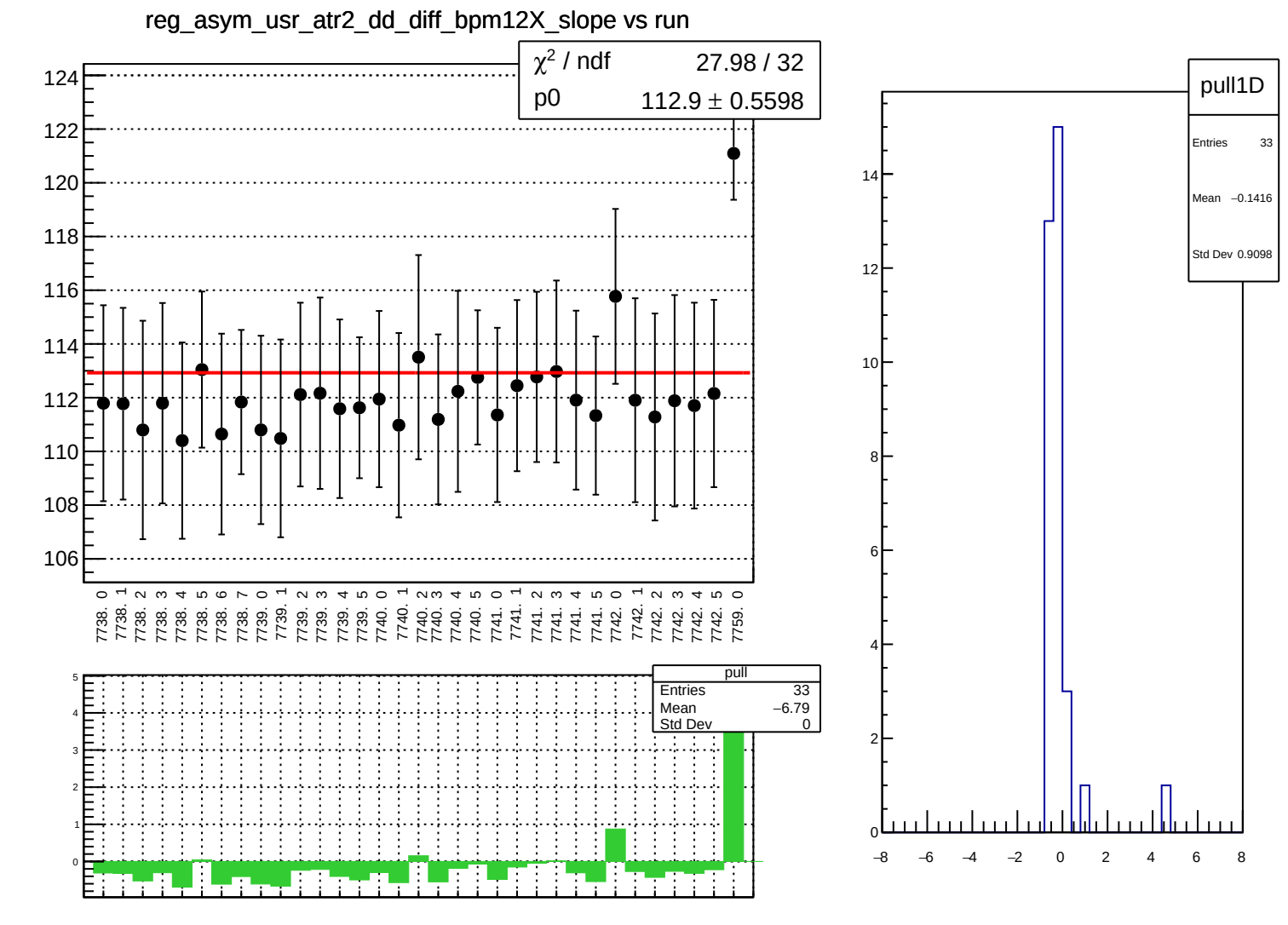

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 4.375 / 32
p0 80.64 ± 7.872
pull
Entries 33
Mean 13.92
Std Dev 5.197
pull1D
Entries 33
Mean −0.0865
Std Dev 0.3537

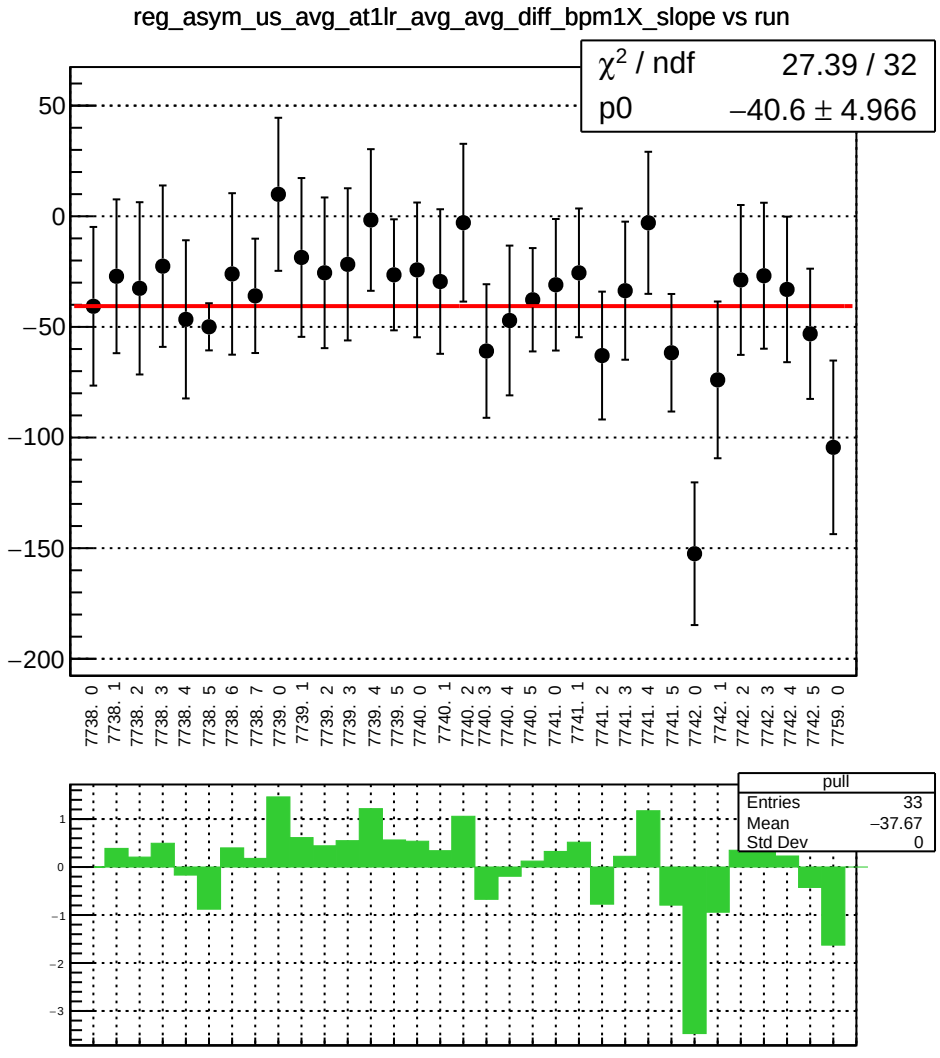

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.881 / 32
p0 −35.27 ± 9.375
pull
Entries 33
Mean 160.6
Std Dev 0
pull1D
Entries 33
Mean 0.001074
Std Dev 0.2387

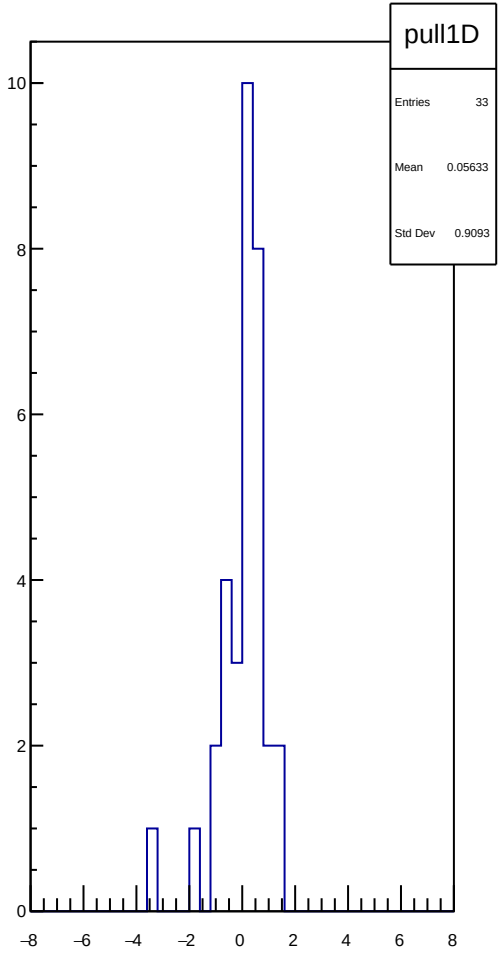

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.586 / 32
p0 −108.2 ± 7.747
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.1
Std Dev 7.813
0.5
0
−0.5
−1
−1.5

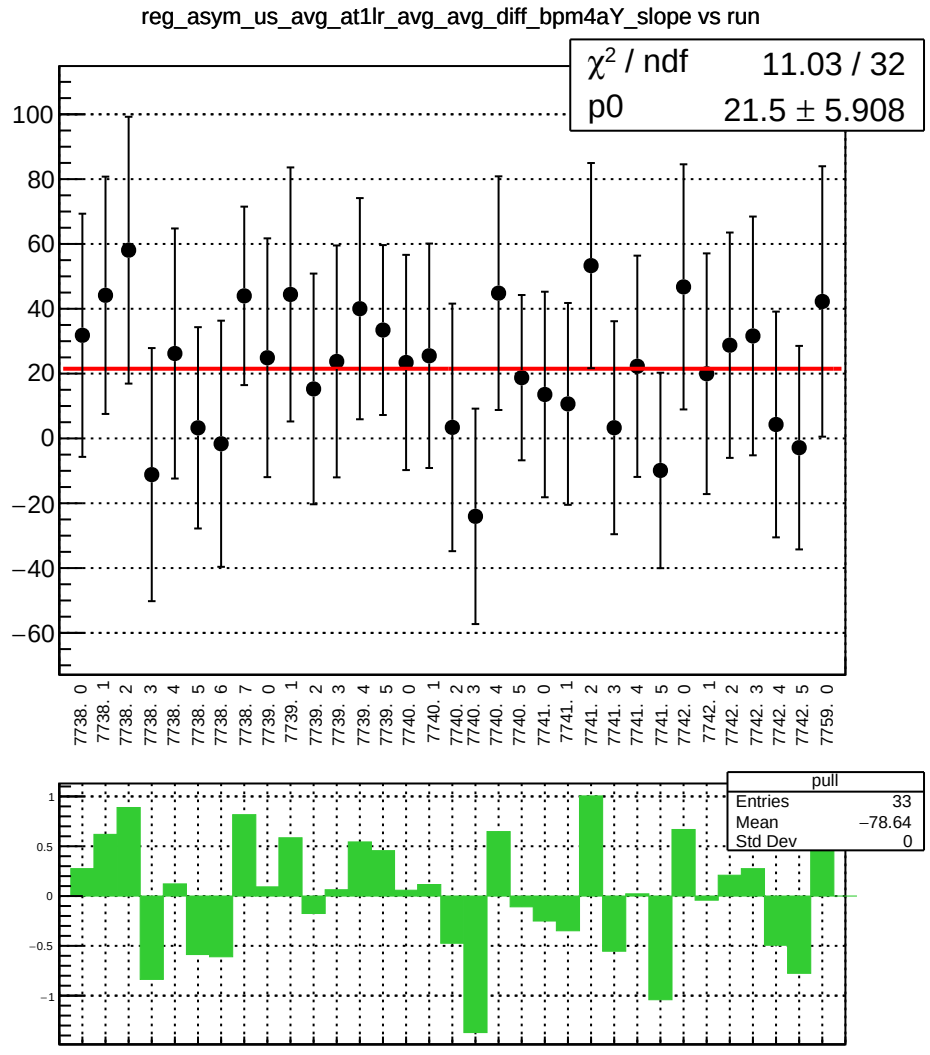

pull1D
Entries 33
Mean 0.111
Std Dev 0.3559
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

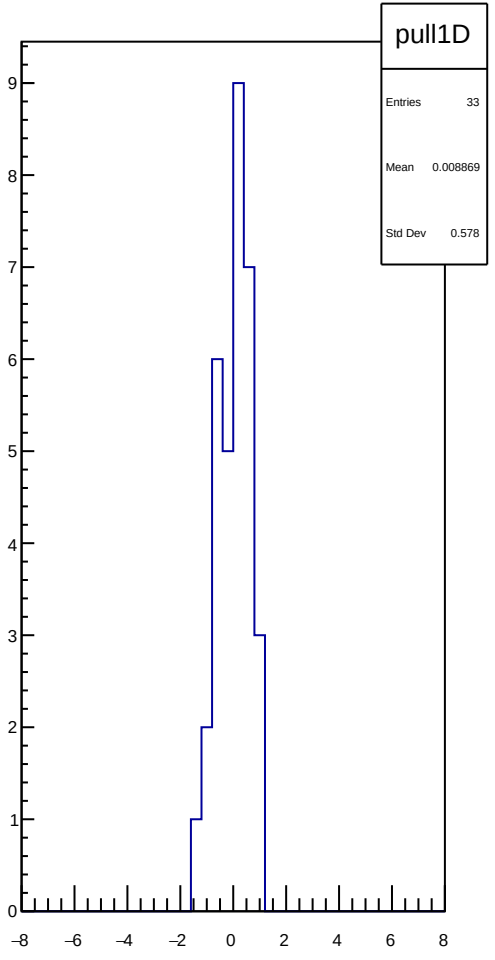

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.788 / 32
p0 29.16 ± 17.04
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −86.68
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 33
Mean 0.005303
Std Dev 0.2327
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

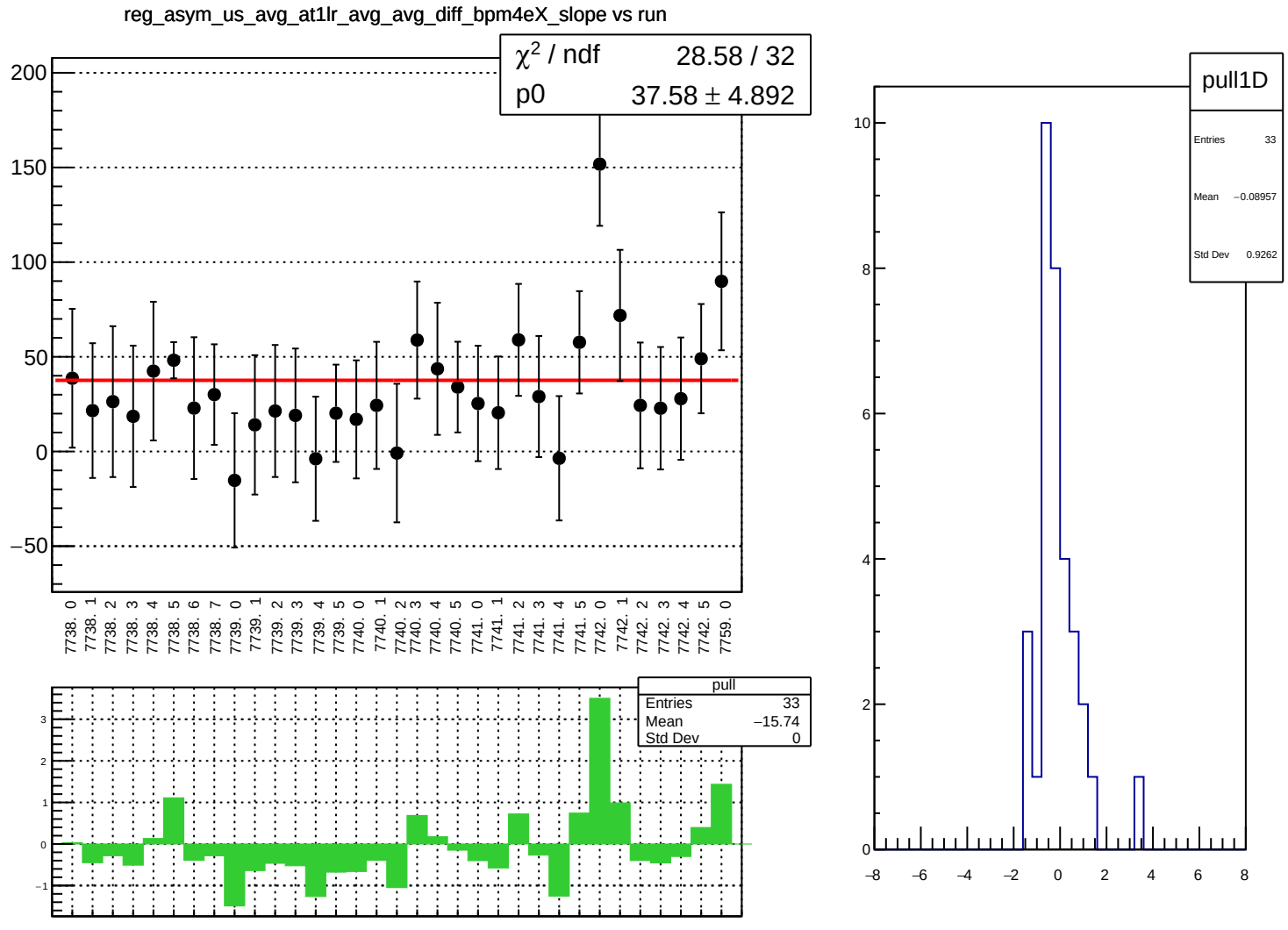

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 27.98 / 32
p0 112.9 ± 0.5598
124
122
120
118
116
114
112
110
108
106
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.79
Std Dev 0
5
4
3
2
1
0
pull1D
Entries 33
Mean −0.1416
Std Dev 0.9098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

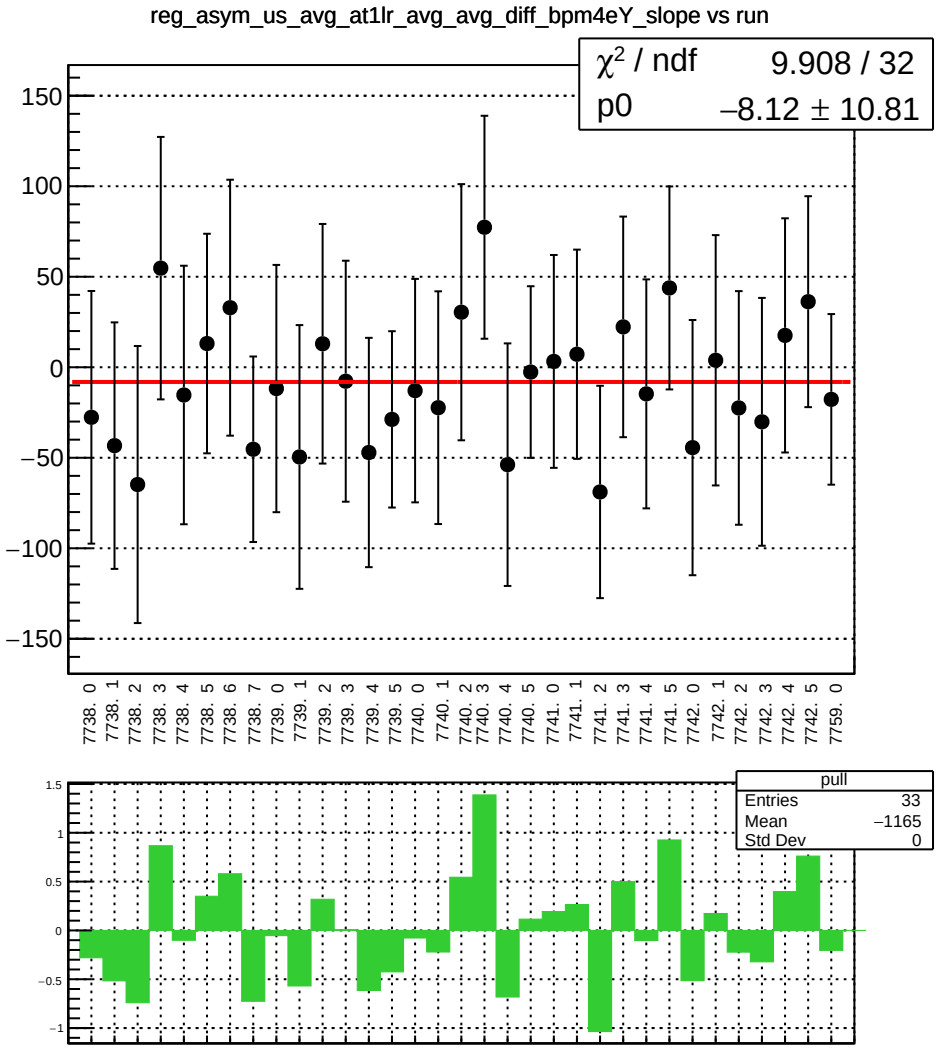

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 27.39 / 32
p0 −40.6 ± 4.966
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −37.67
Std Dev 0
1
0
−1
−2
−3

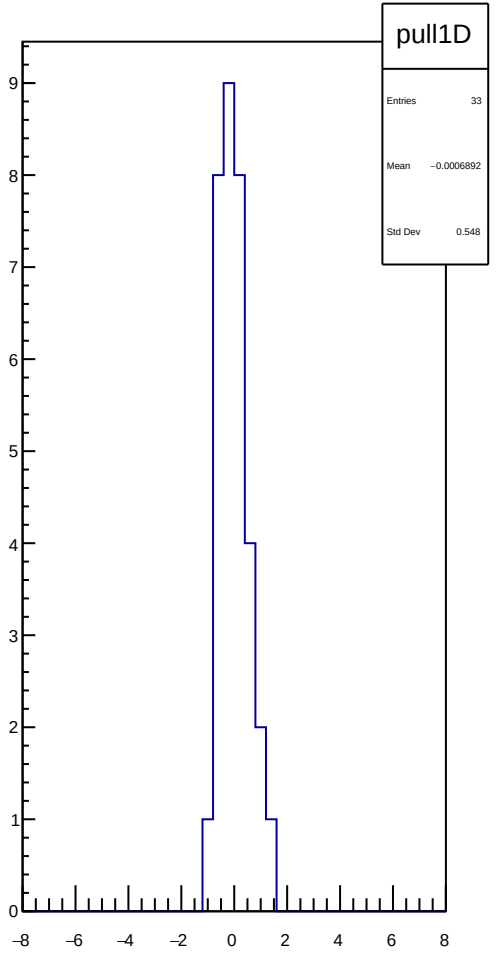

pull1D
Entries 33
Mean 0.05633
Std Dev 0.9093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

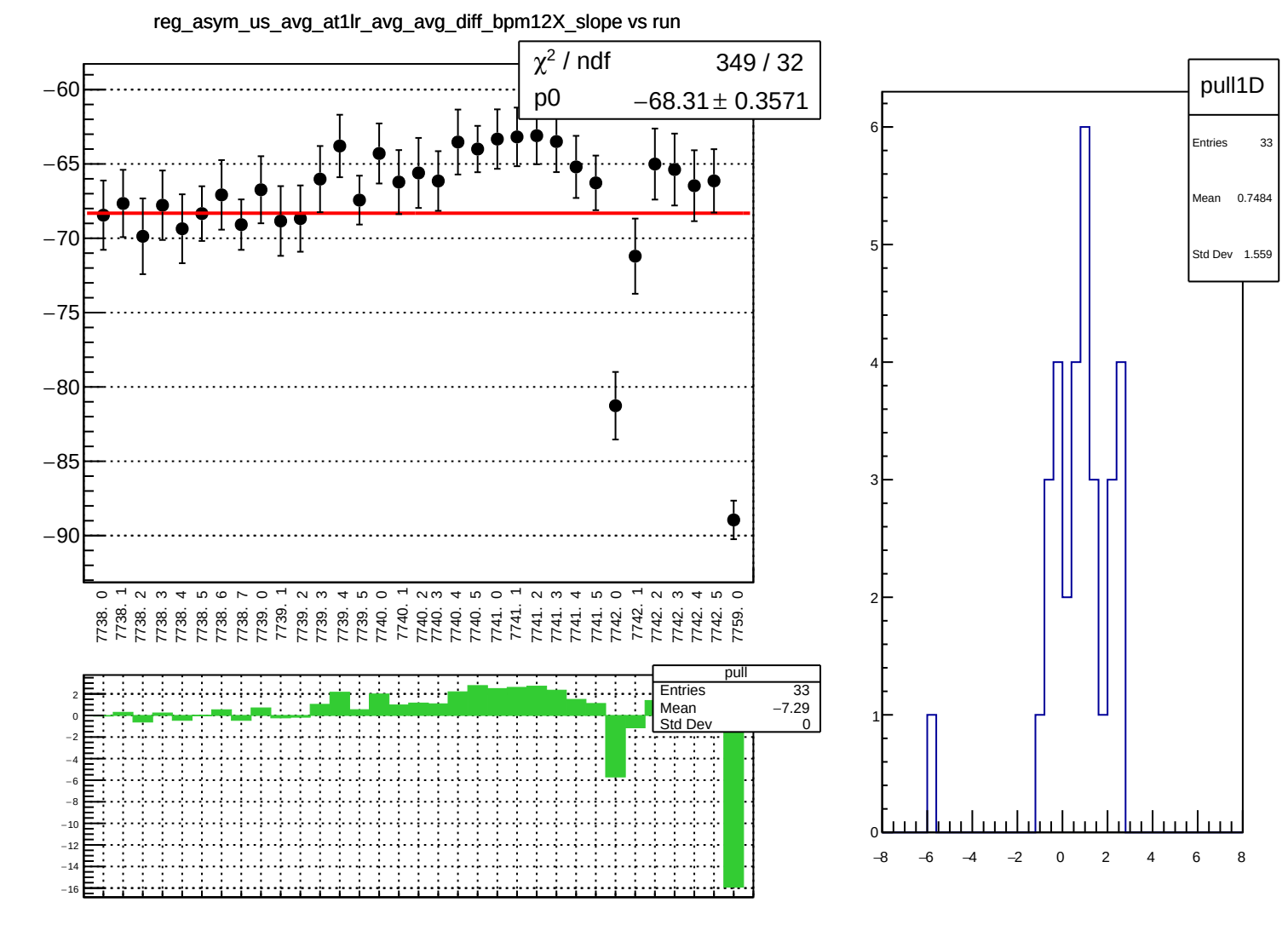

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.03 / 32
p0 21.5 ± 5.908
100
80
60
40
20
0
−20
−40
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −78.64
Std Dev 0
1
0.5
0
−0.5
−1

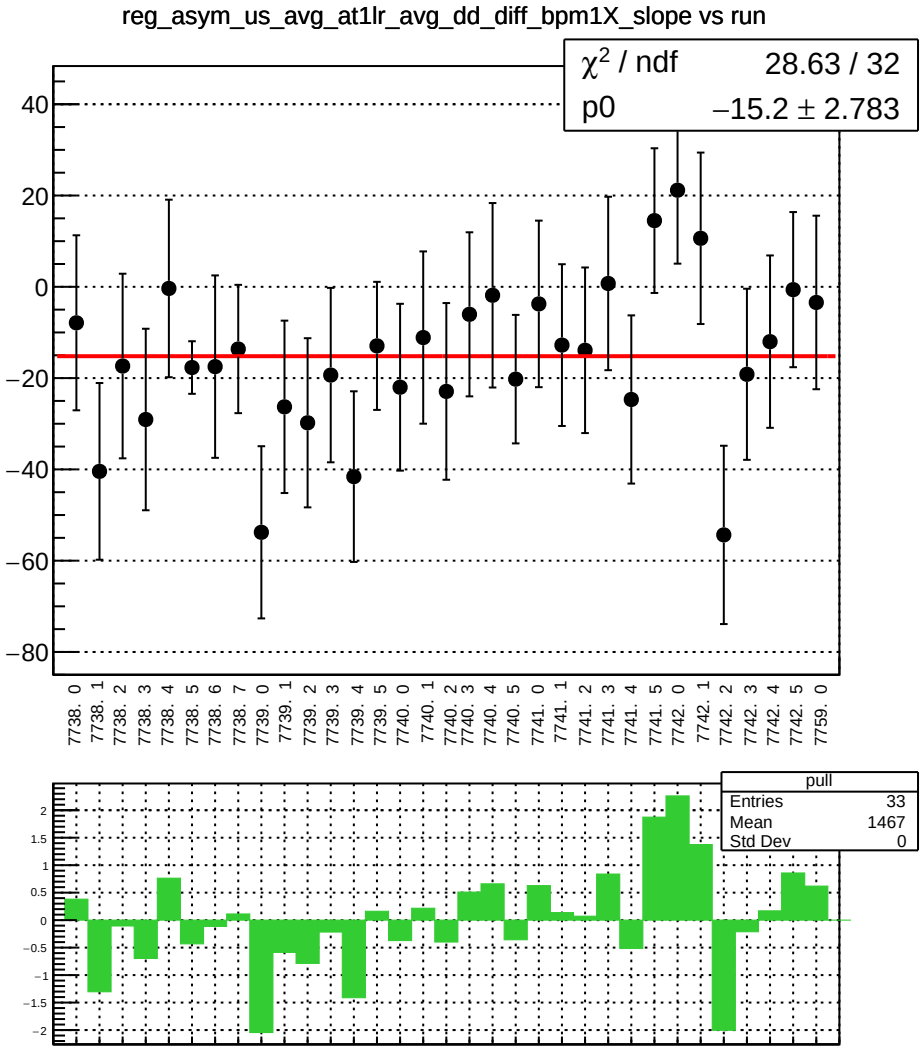

pull1D
Entries 33
Mean 0.008869
Std Dev 0.578
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

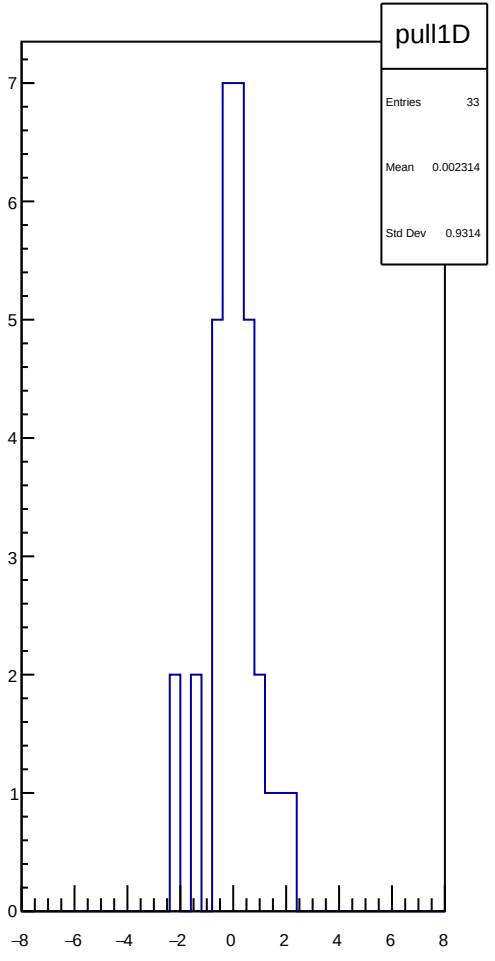

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.58 / 32
p0 37.58 ± 4.892
200
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −15.74
Std Dev 0
3
2
1
0
−1
pull1D
Entries 33
Mean −0.08957
Std Dev 0.9262
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

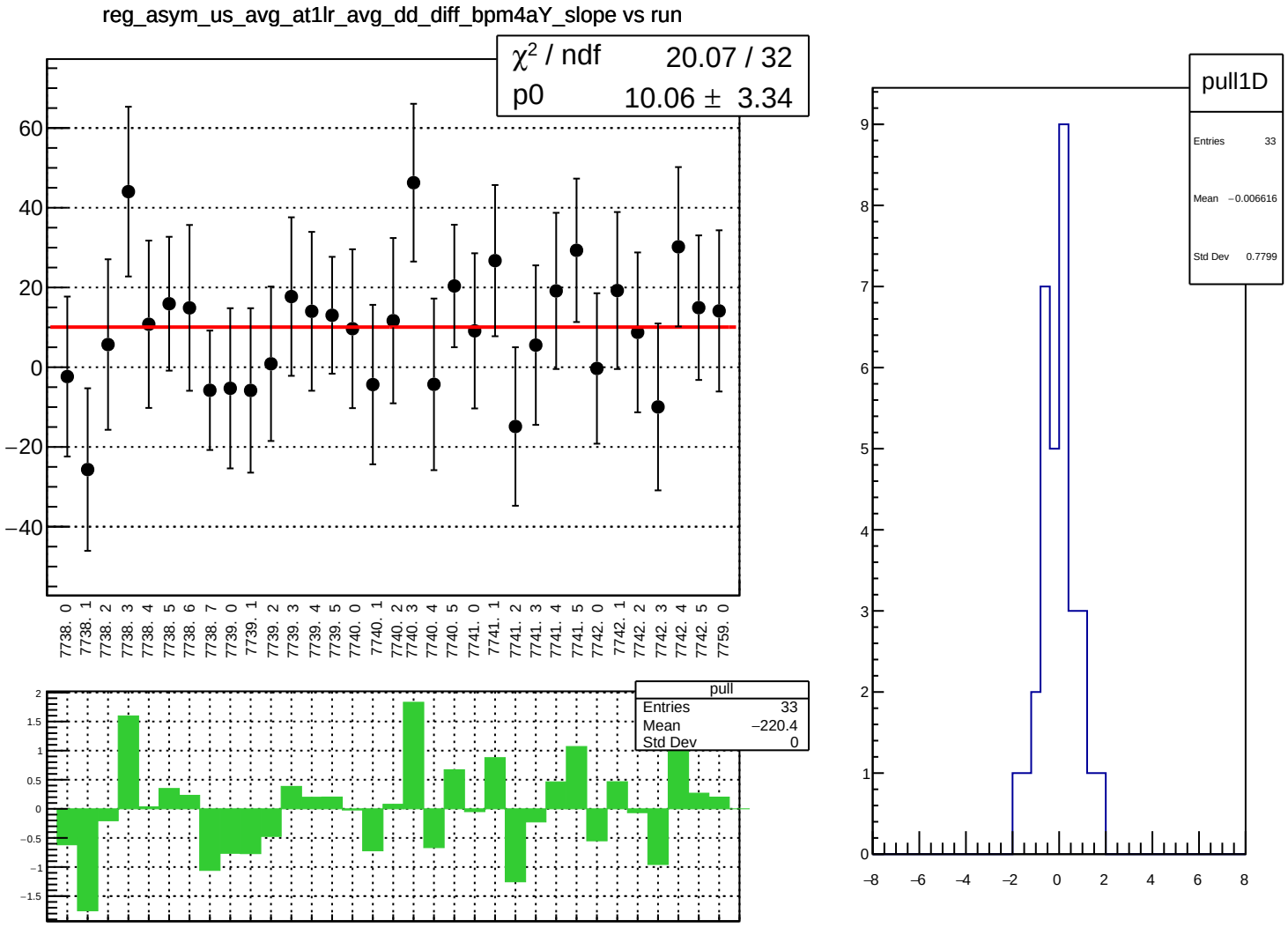

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.908 / 32
p0 −8.12 ± 10.81
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1165
Std Dev 0
1.5
1
0.5
0
−0.5
−1

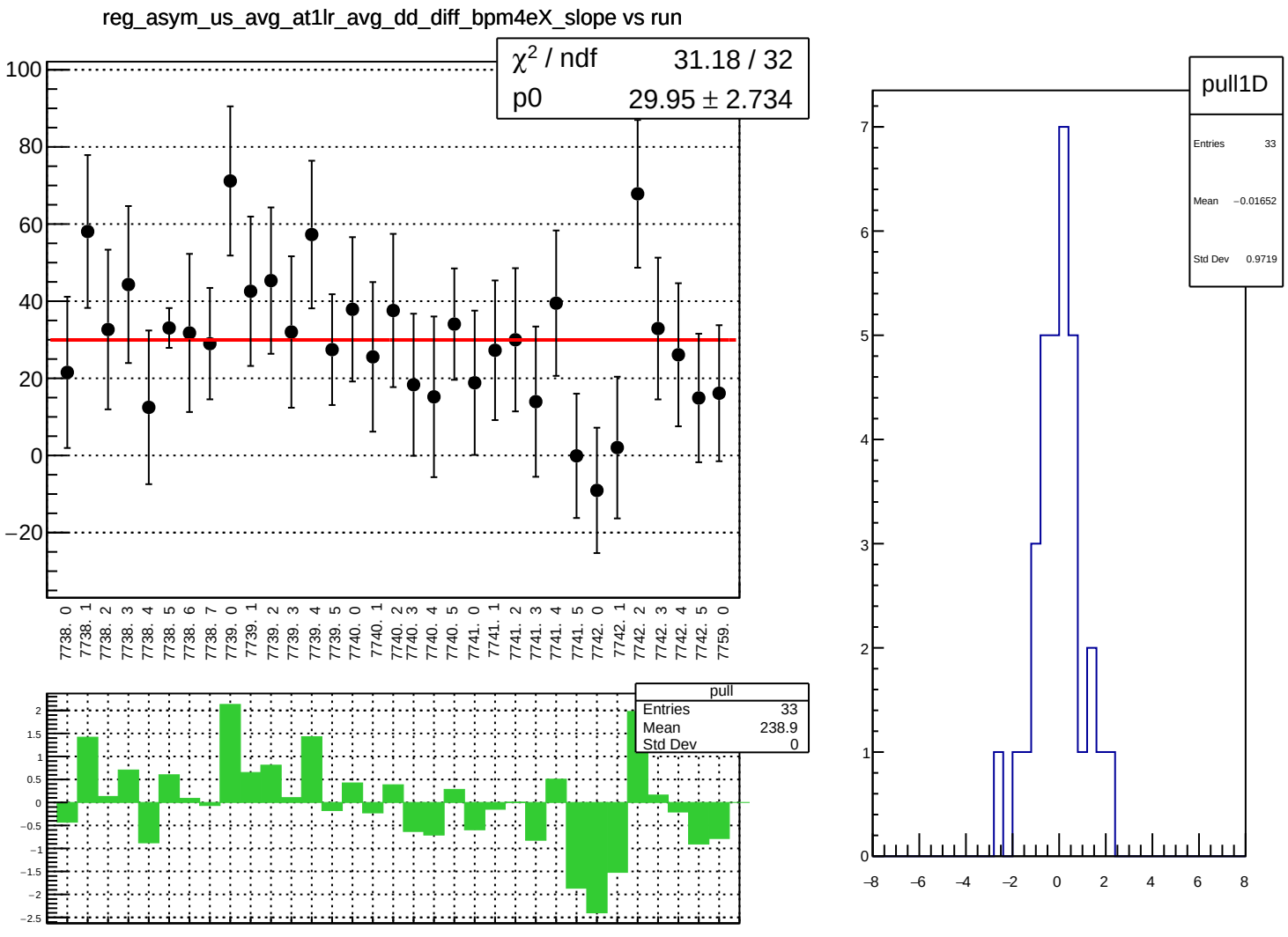

pull1D
Entries 33
Mean −0.0006892
Std Dev 0.548
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

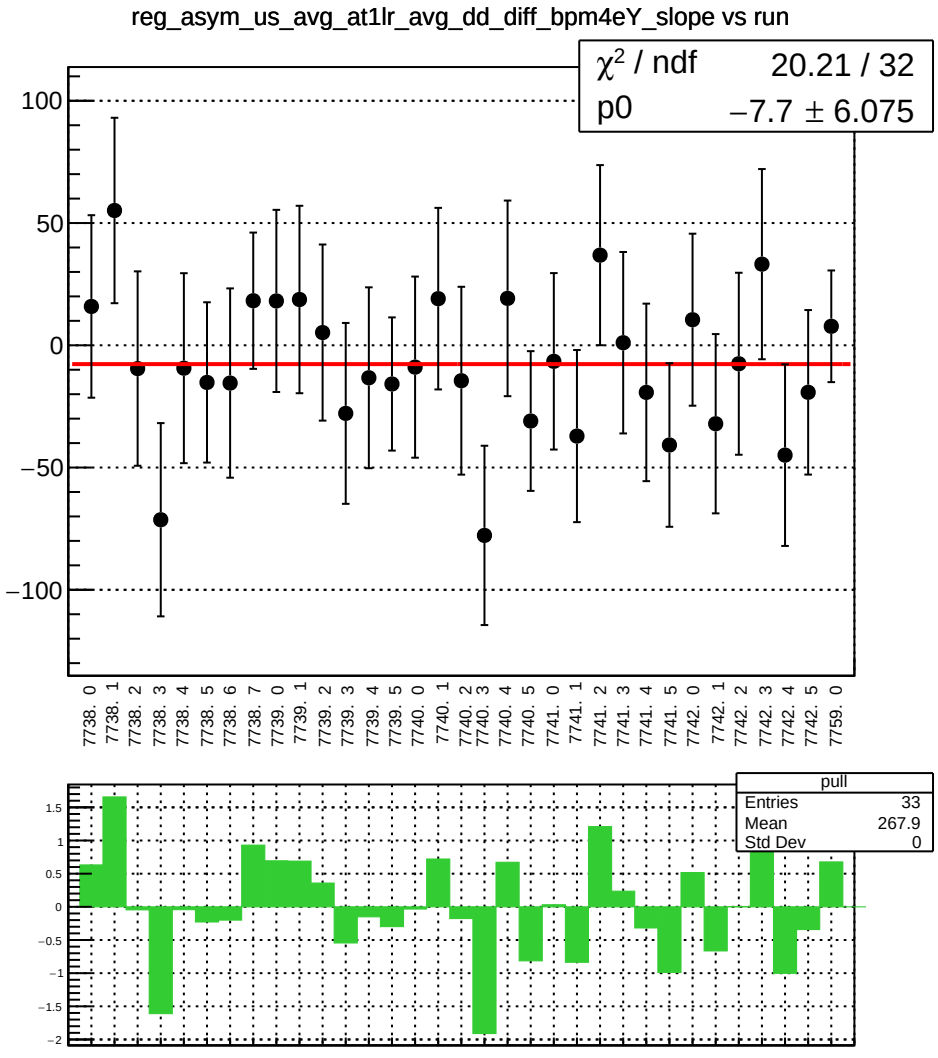

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 349 / 32
p0 −68.31 ± 0.3571
−60
−65
−70
−75
−80
−85
−90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −7.29
Std Dev 0
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 33
Mean 0.7484
Std Dev 1.559
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

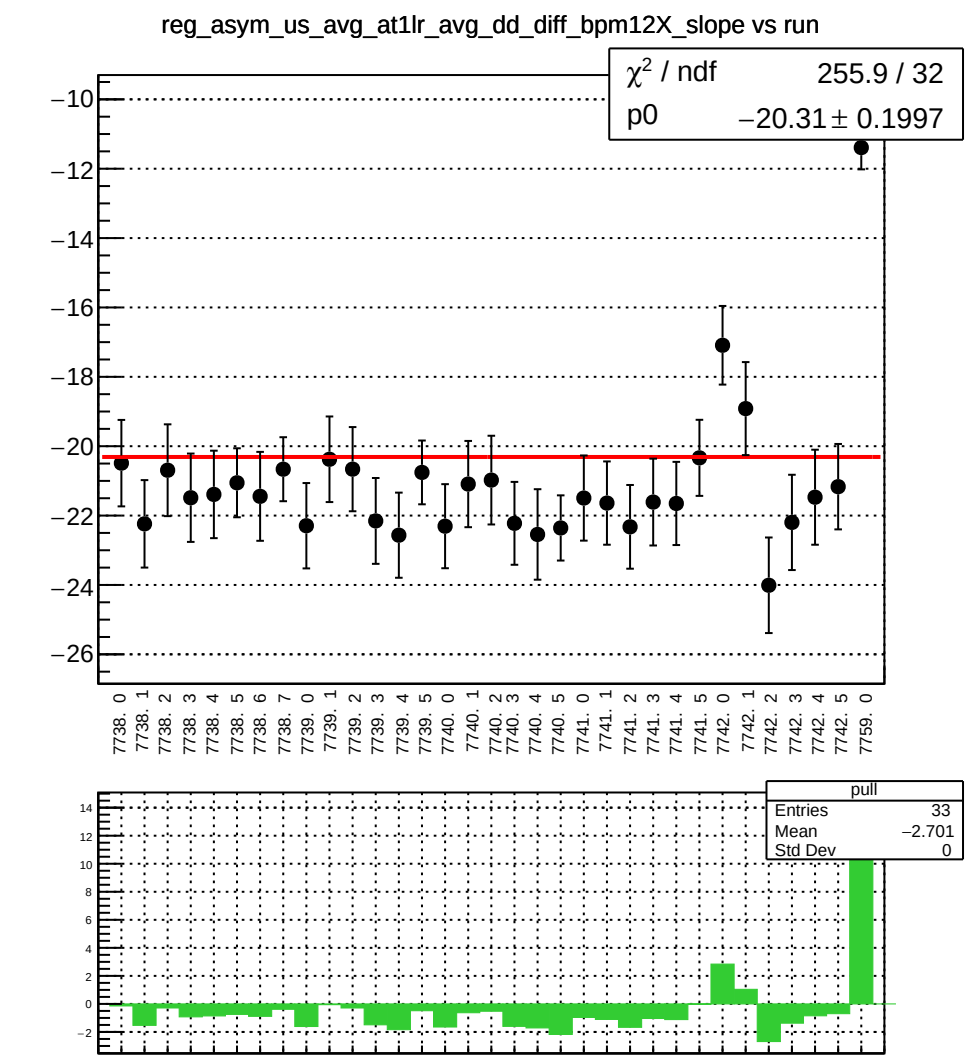

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 28.63 / 32
p0 −15.2 ± 2.783
pull
Entries 33
Mean 1467
Std Dev 0

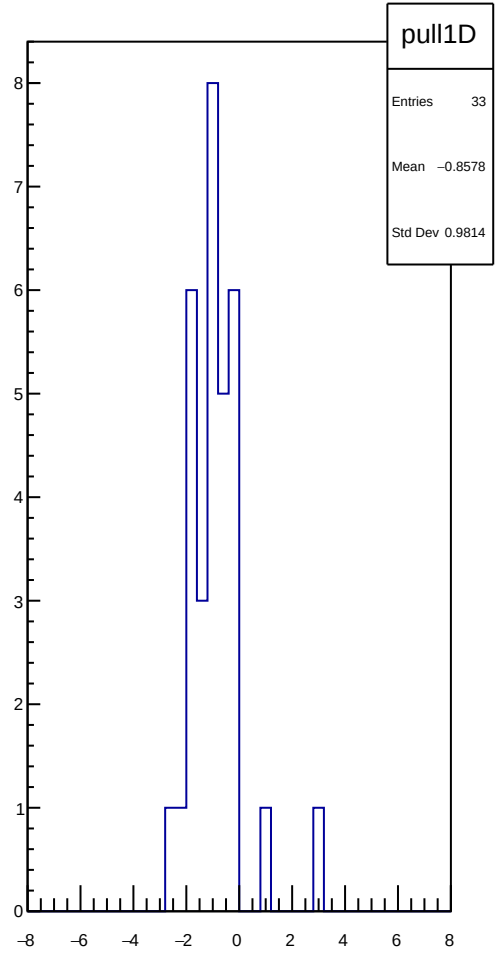

pull1D
Entries 33
Mean 0.002314
Std Dev 0.9314

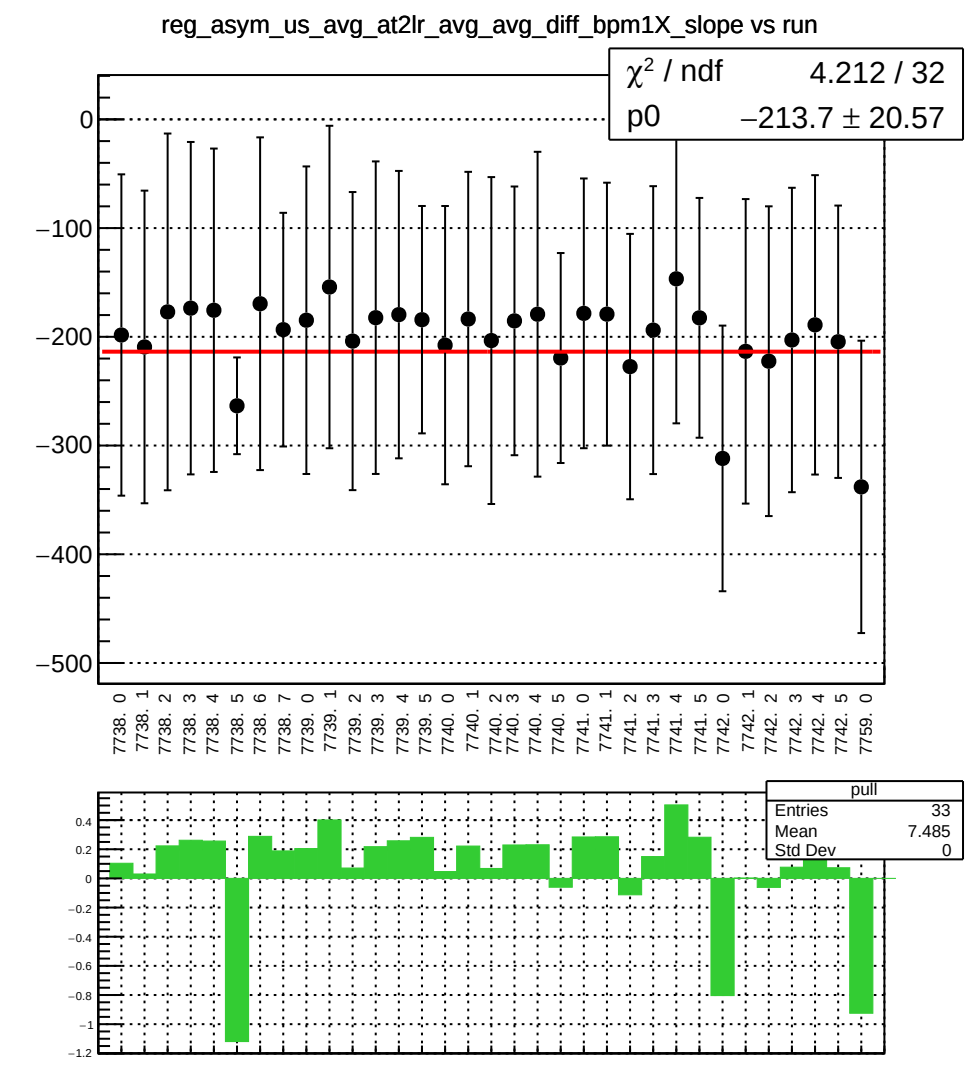

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.07 / 32
p0 10.06 ± 3.34
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −220.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.006616
Std Dev 0.7799
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

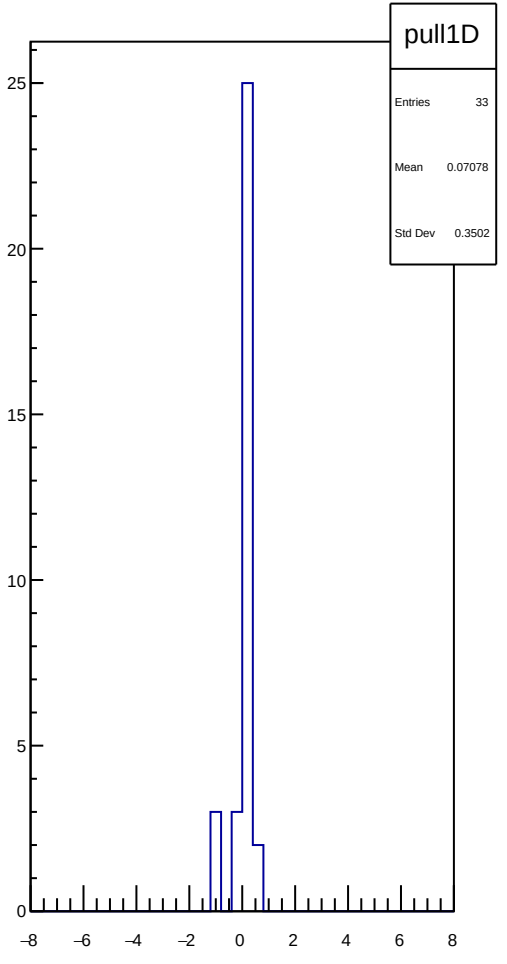

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.18 / 32
p0 29.95 ± 2.734
100
80
60
40
20
0
−20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 238.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01652
Std Dev 0.9719
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

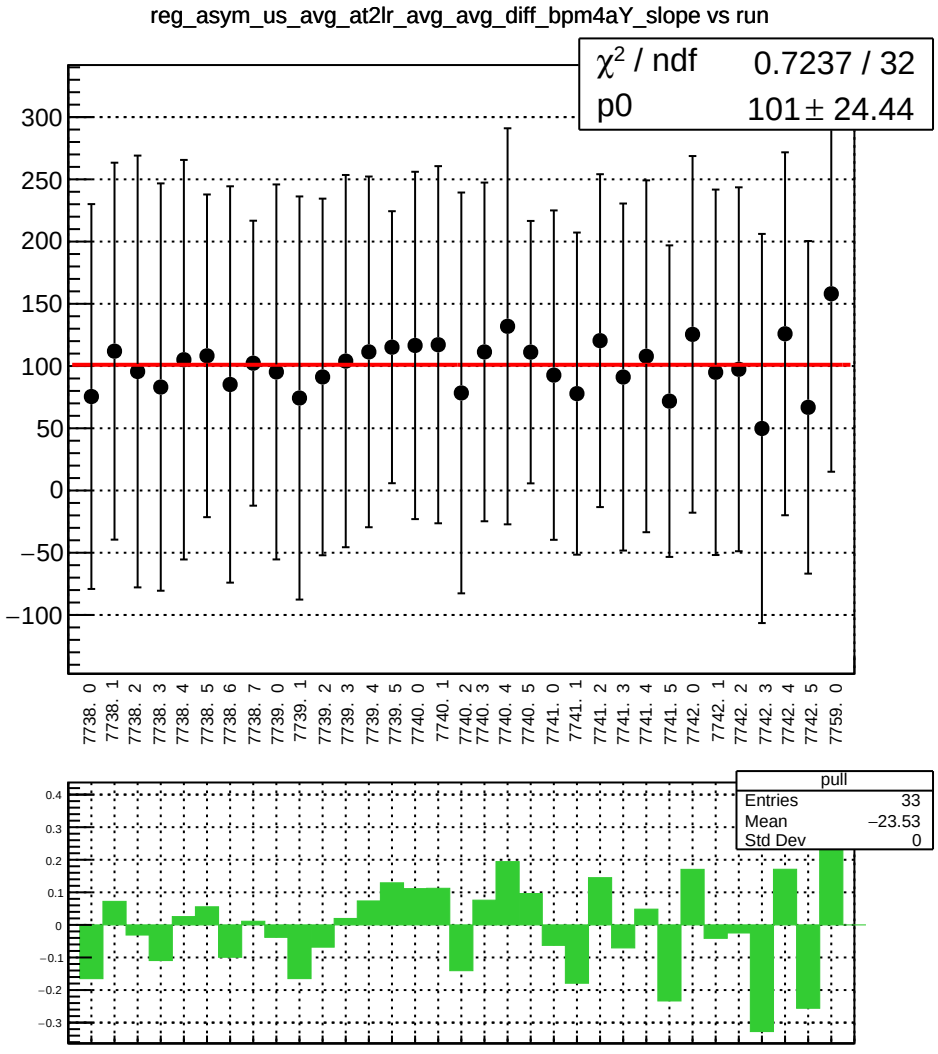

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.21 / 32
p0 −7.7 ± 6.075
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 267.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.003866
Std Dev 0.7825
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

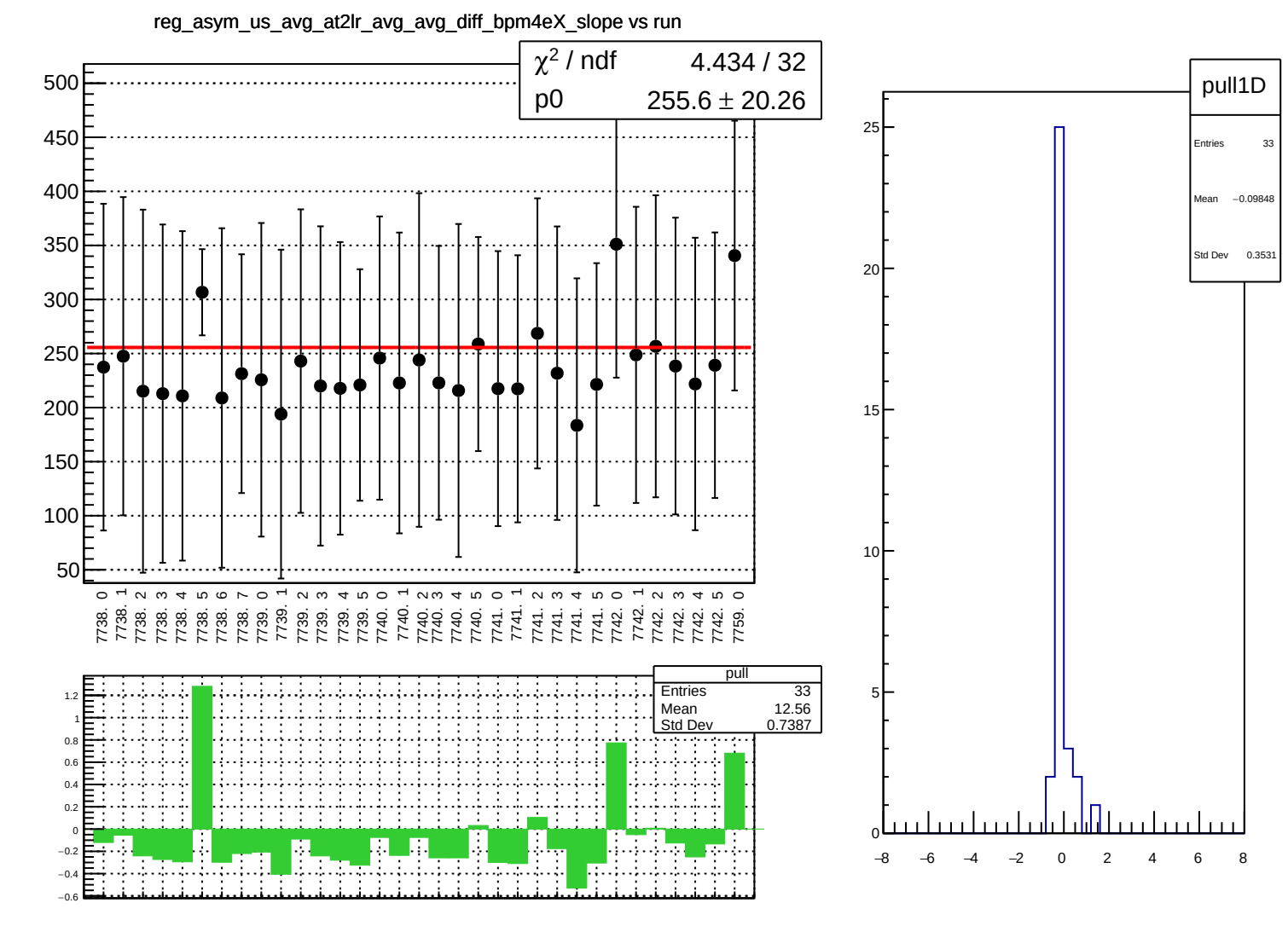

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 255.9 / 32
p0 −20.31 ± 0.1997
pull
Entries 33
Mean −2.701
Std Dev 0

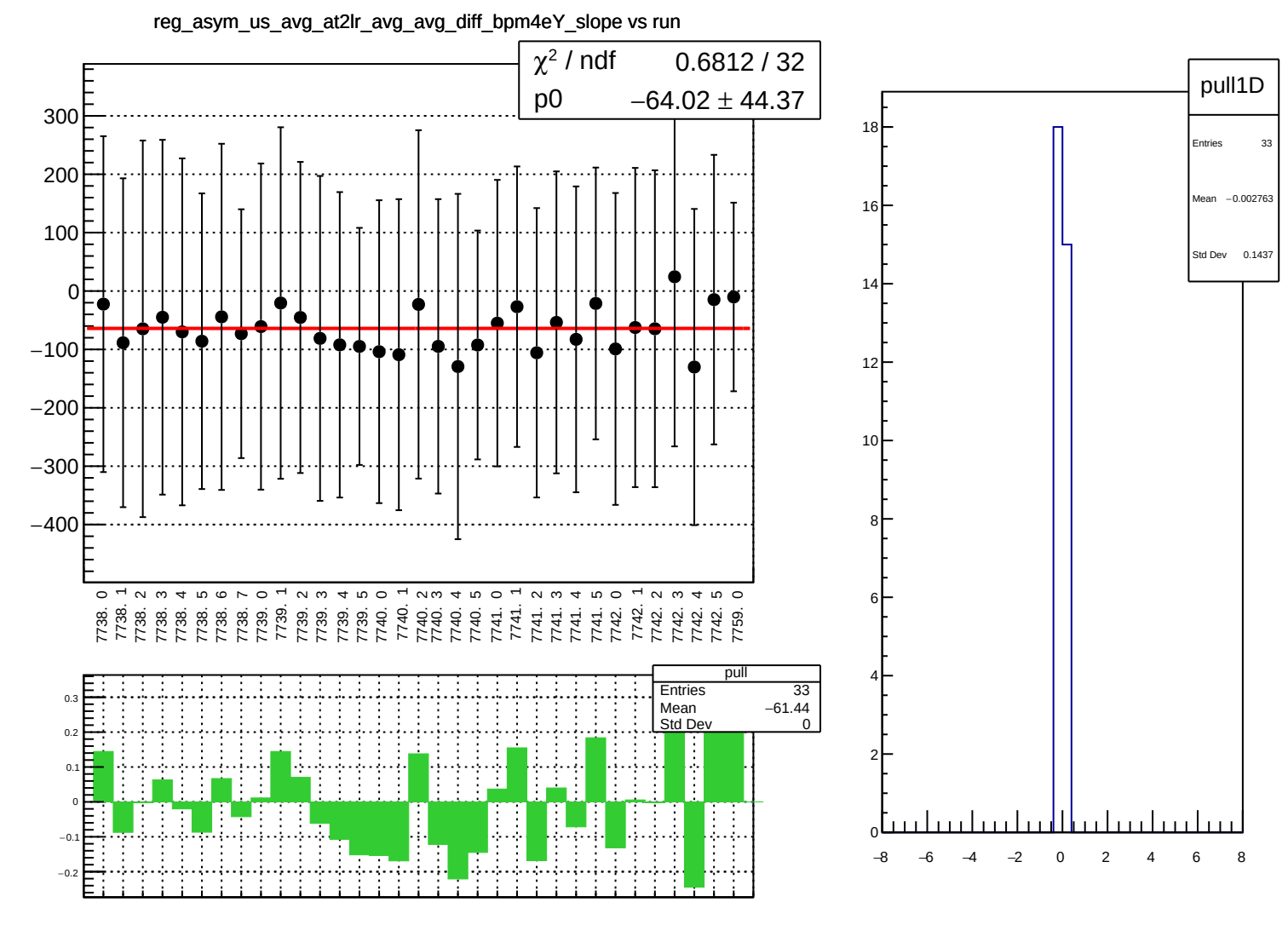

pull1D
Entries 33
Mean −0.8578
Std Dev 0.9814

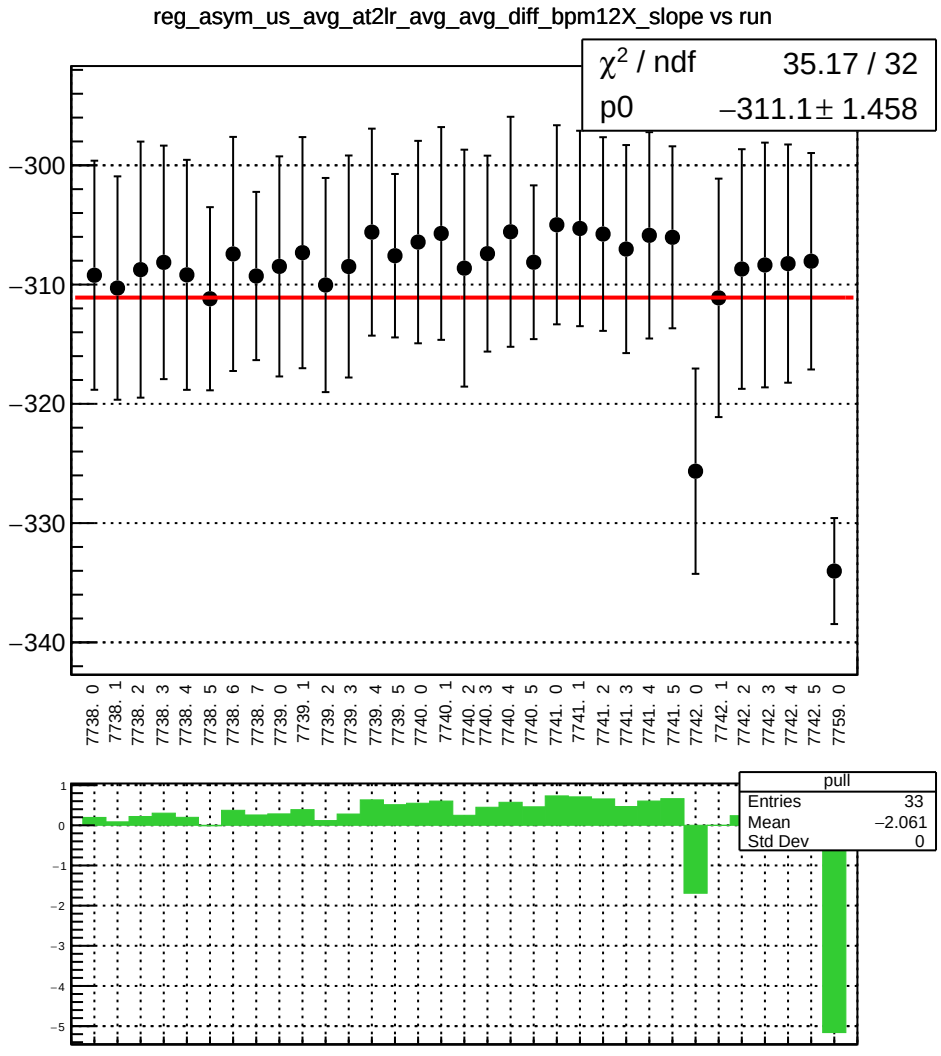

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 4.212 / 32
p0 −213.7 ± 20.57
0
−100
−200
−300
−400
−500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 7.485
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

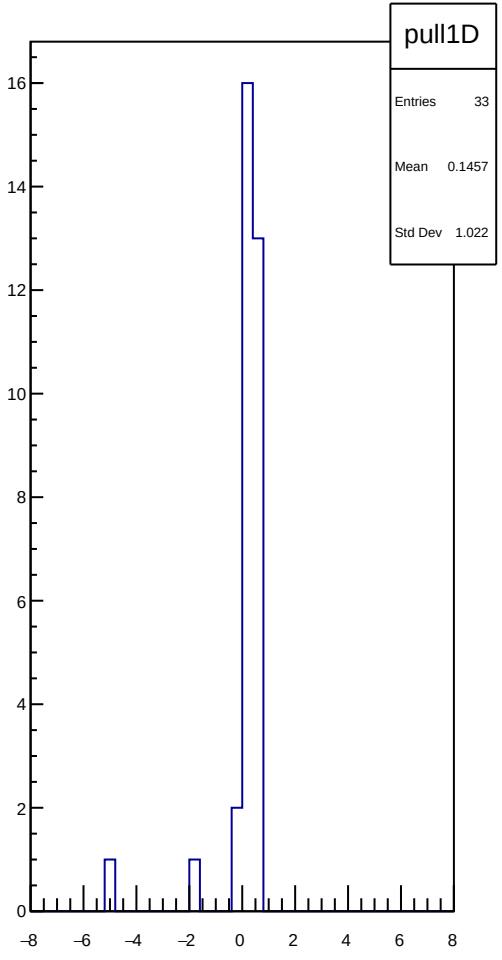

pull1D
Entries 33
Mean 0.07078
Std Dev 0.3502
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

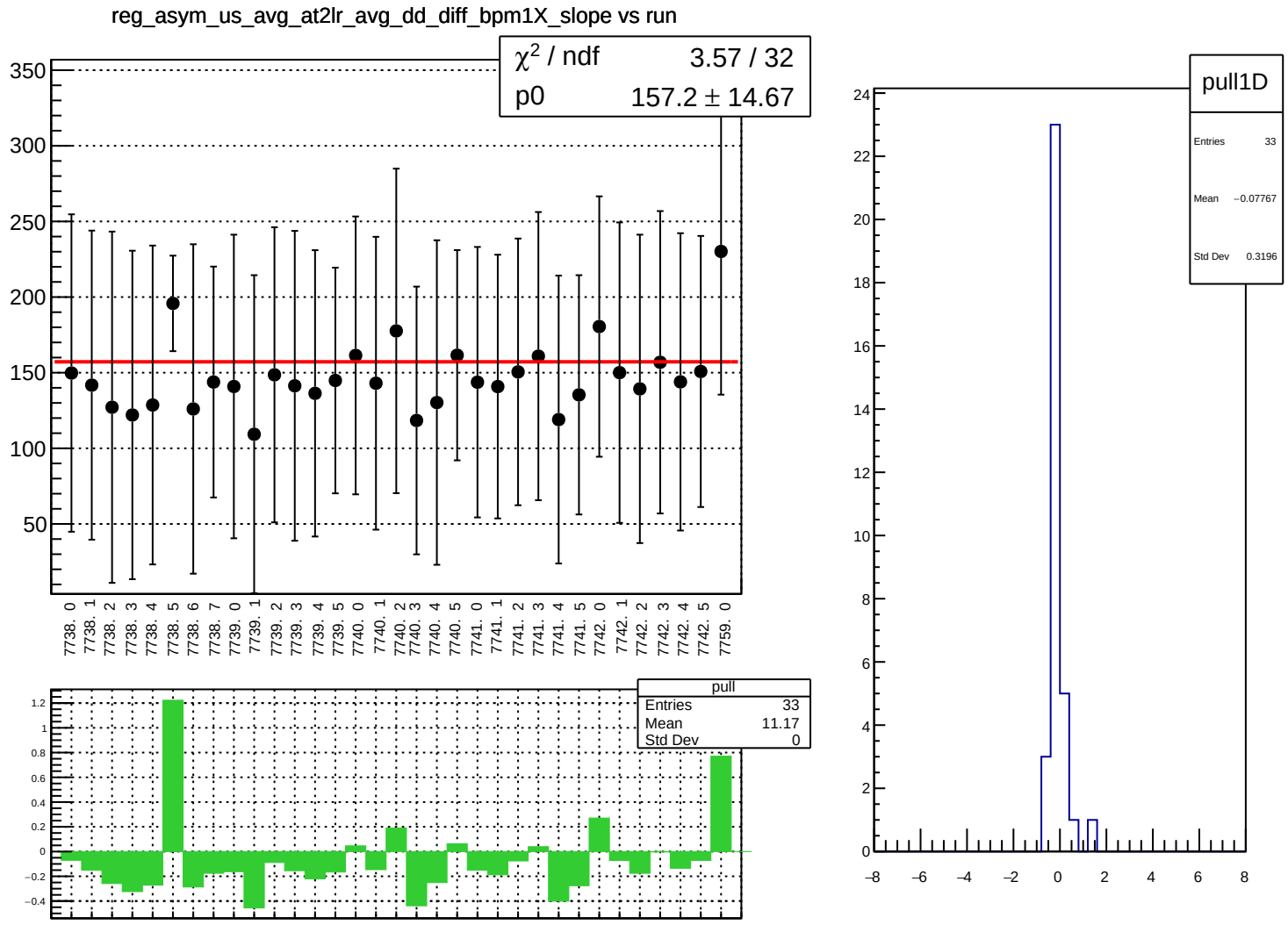

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.7237 / 32
p0 101 ± 24.44
300
250
200
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −23.53
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −0.003066
Std Dev 0.1481
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

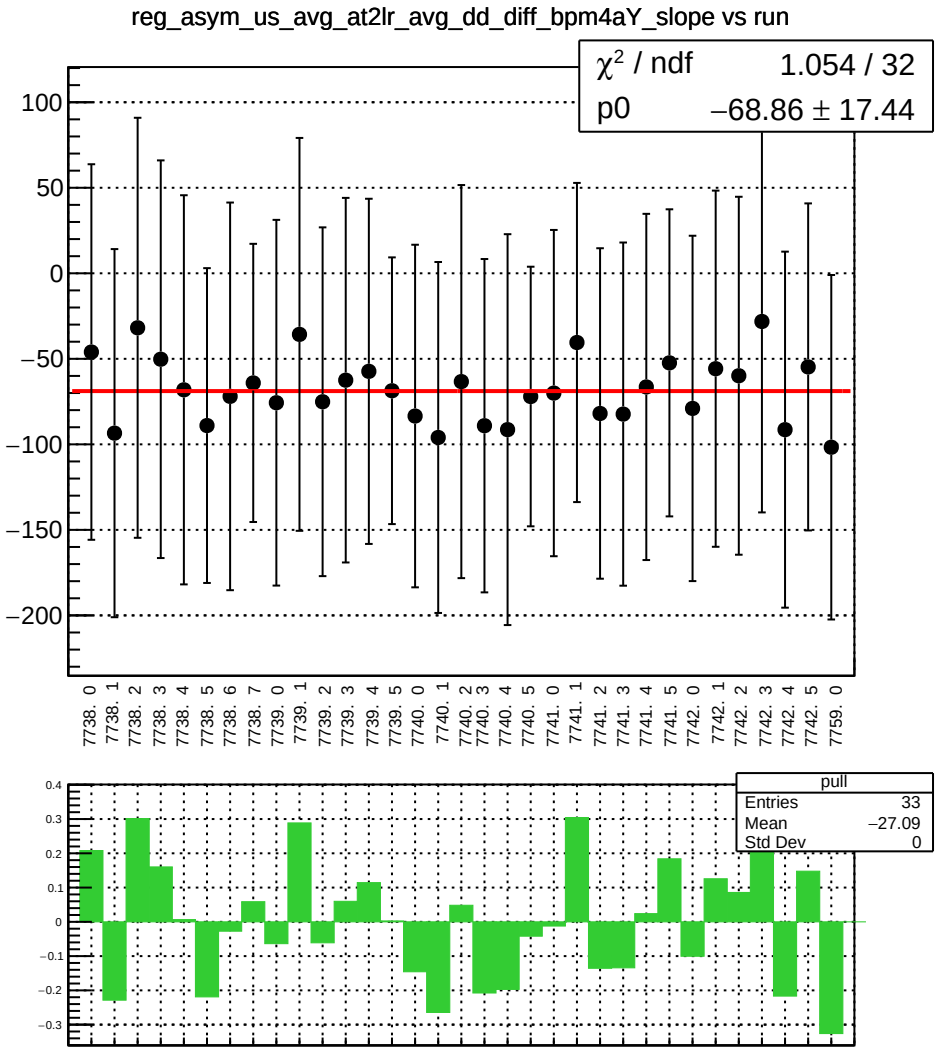

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.434 / 32
p0 255.6 ± 20.26
500
450
400
350
300
250
200
150
100
50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 12.56
Std Dev 0.7387
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean −0.09848
Std Dev 0.3531
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

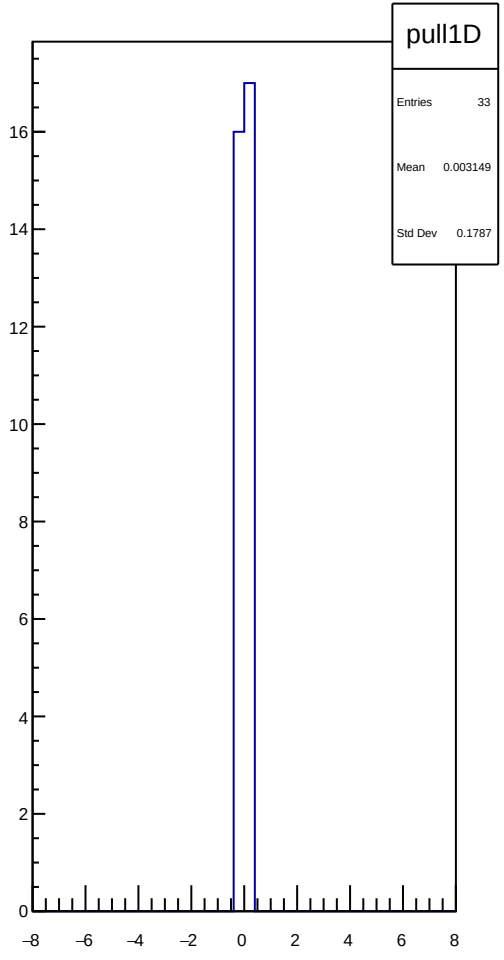

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.6812 / 32
p0 −64.02 ± 44.37
300
200
100
0
−100
−200
−300
−400
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −61.44
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 33
Mean −0.002763
Std Dev 0.1437
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

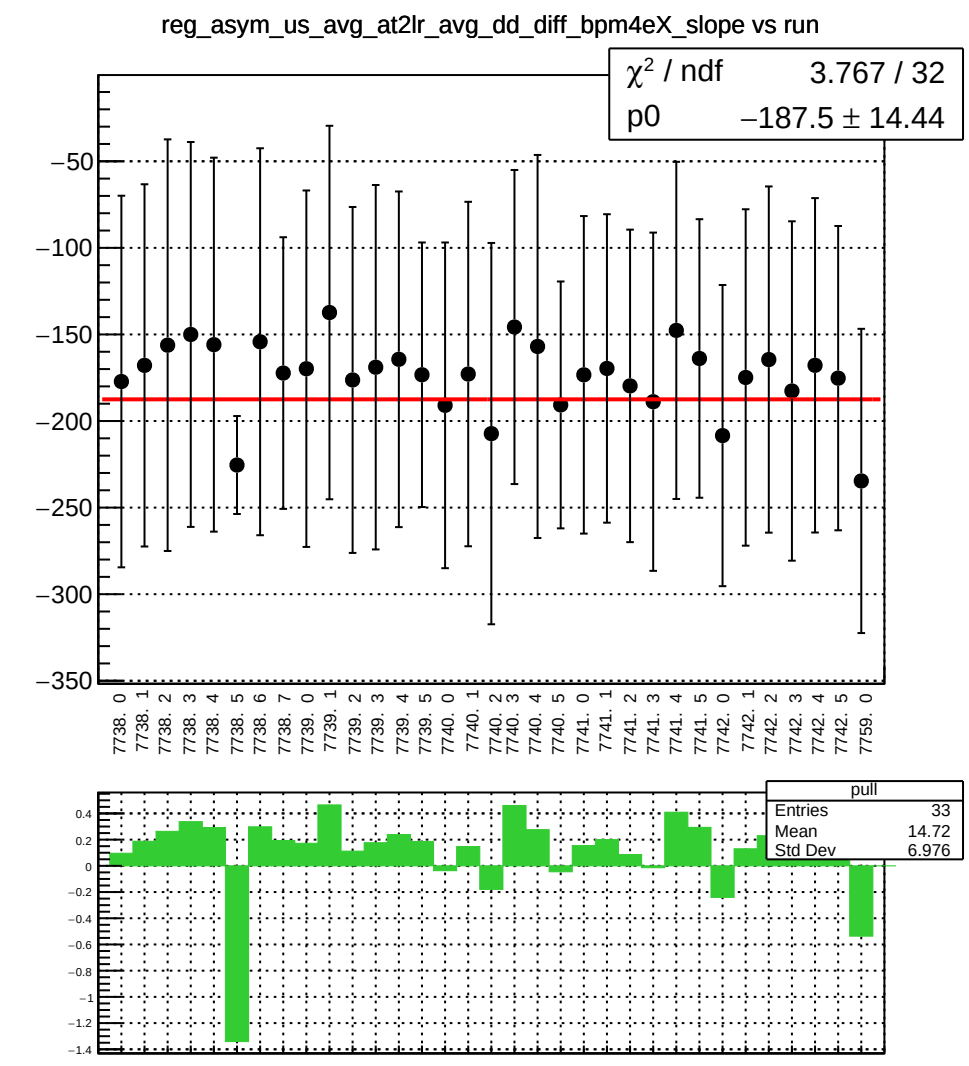

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 35.17 / 32
p0 −311.1± 1.458
−300
−310
−320
−330
−340
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.061
Std Dev 0
1
0
−1
−2
−3
−4
−5

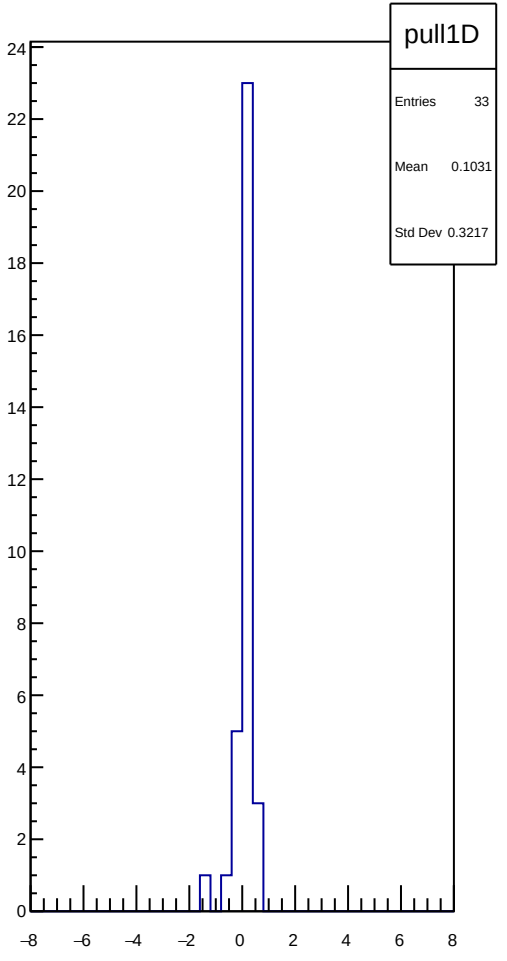

pull1D
Entries 33
Mean 0.1457
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

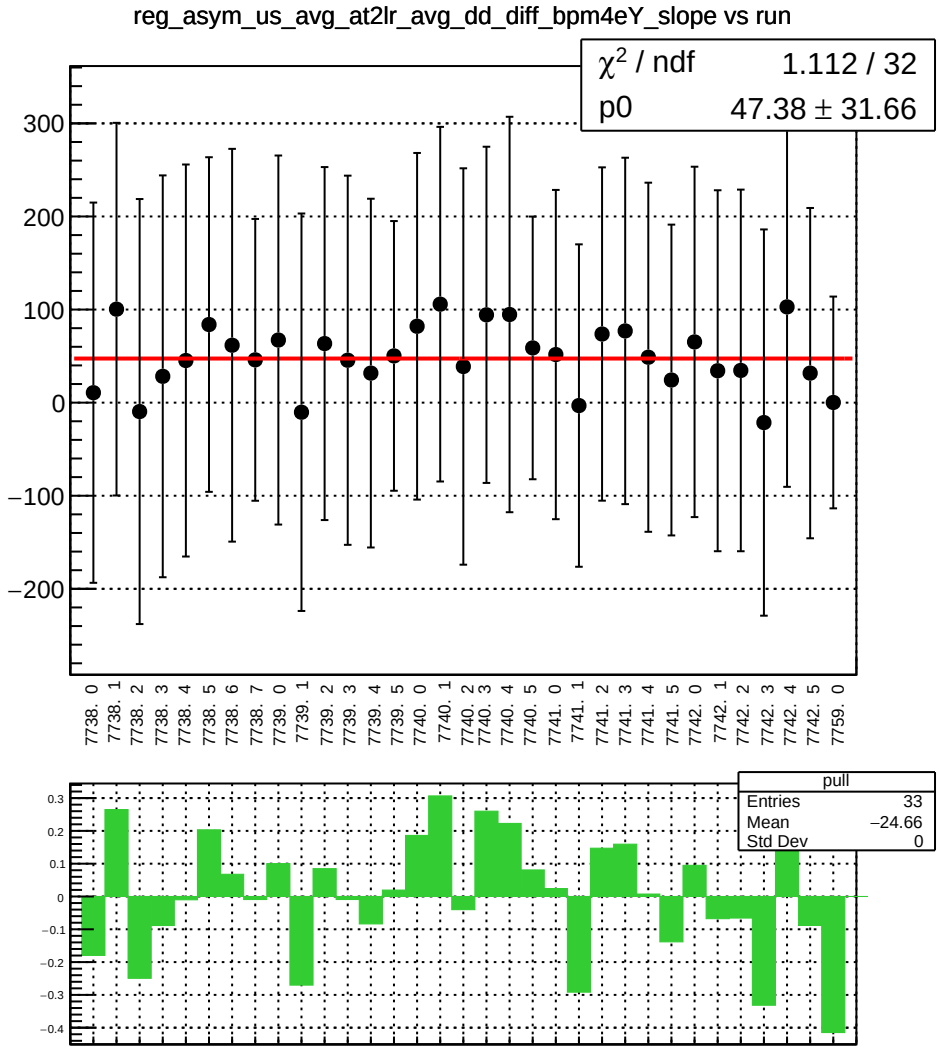

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 3.57 / 32
p0 157.2 ± 14.67
pull
Entries 33
Mean 11.17
Std Dev 0
pull1D
Entries 33
Mean −0.07767
Std Dev 0.3196

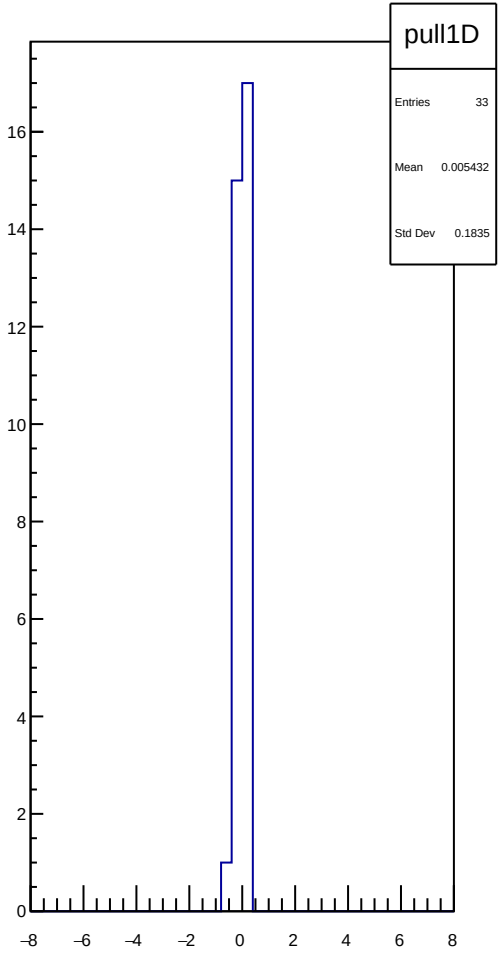

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.054 / 32
p0 −68.86 ± 17.44
100
50
0
−50
−100
−150
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.09
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

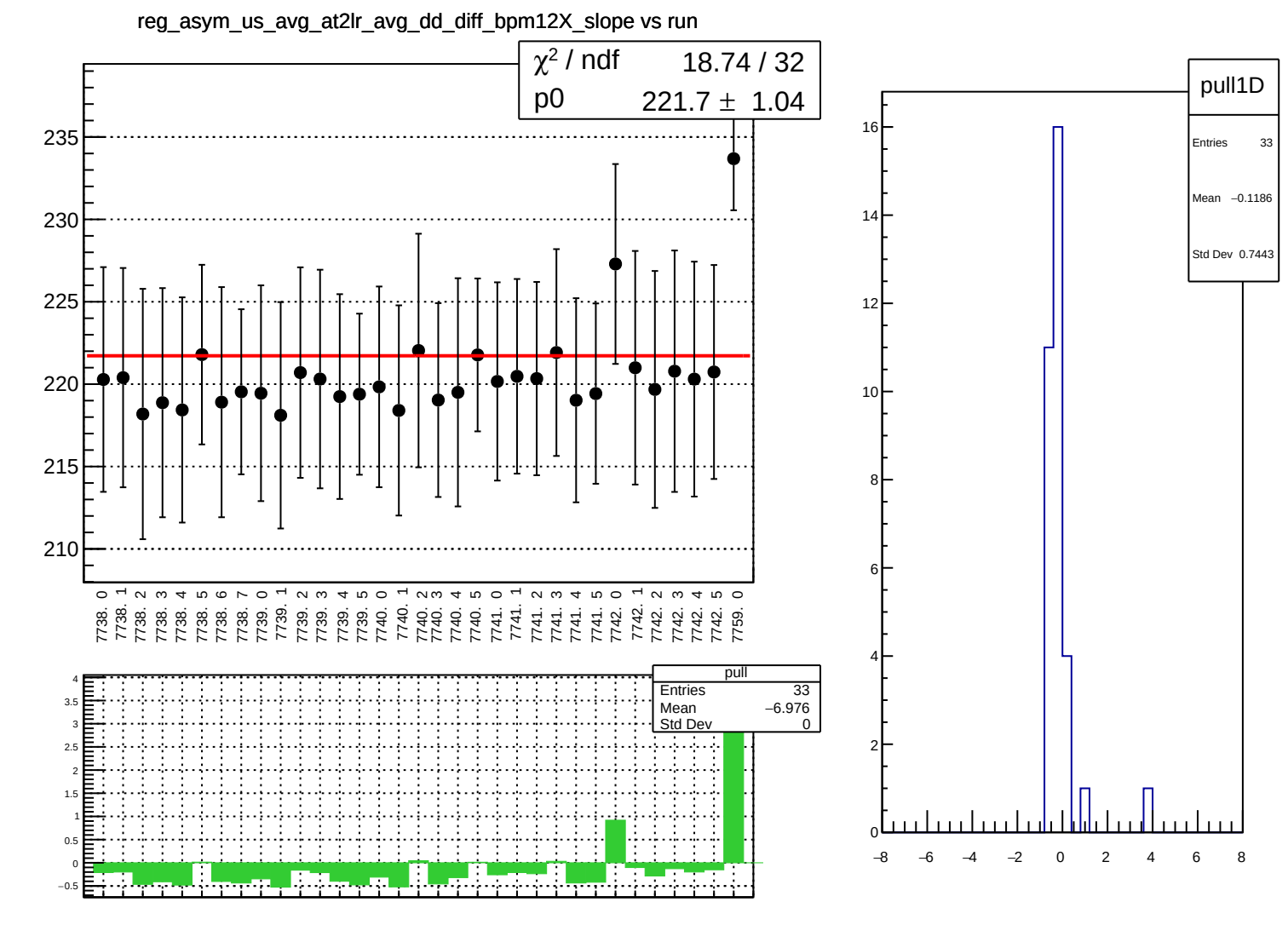

pull1D
Entries 33
Mean 0.003149
Std Dev 0.1787
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

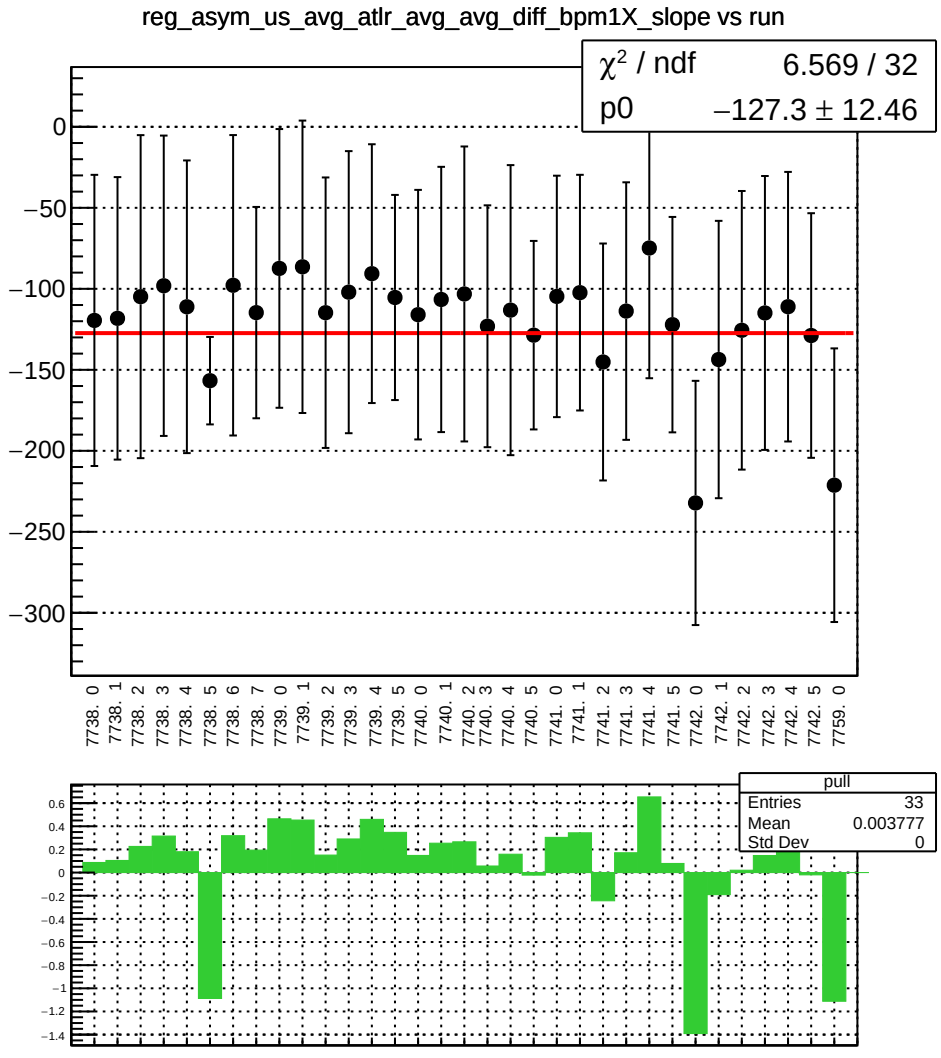

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.767 / 32
p0 −187.5 ± 14.44
−50
−100
−150
−200
−250
−300
−350
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.72
Std Dev 6.976
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

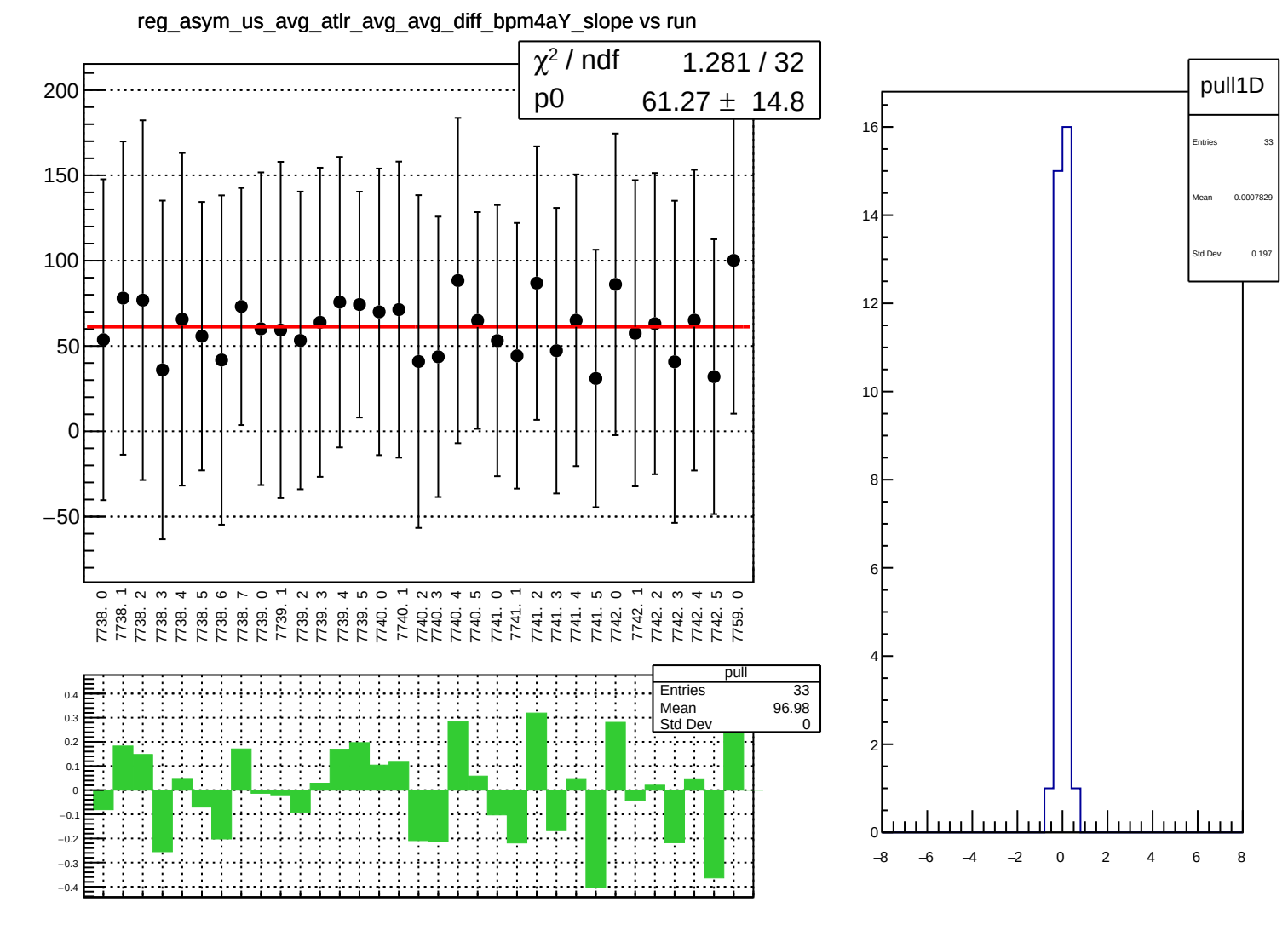

pull1D
Entries 33
Mean 0.1031
Std Dev 0.3217
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

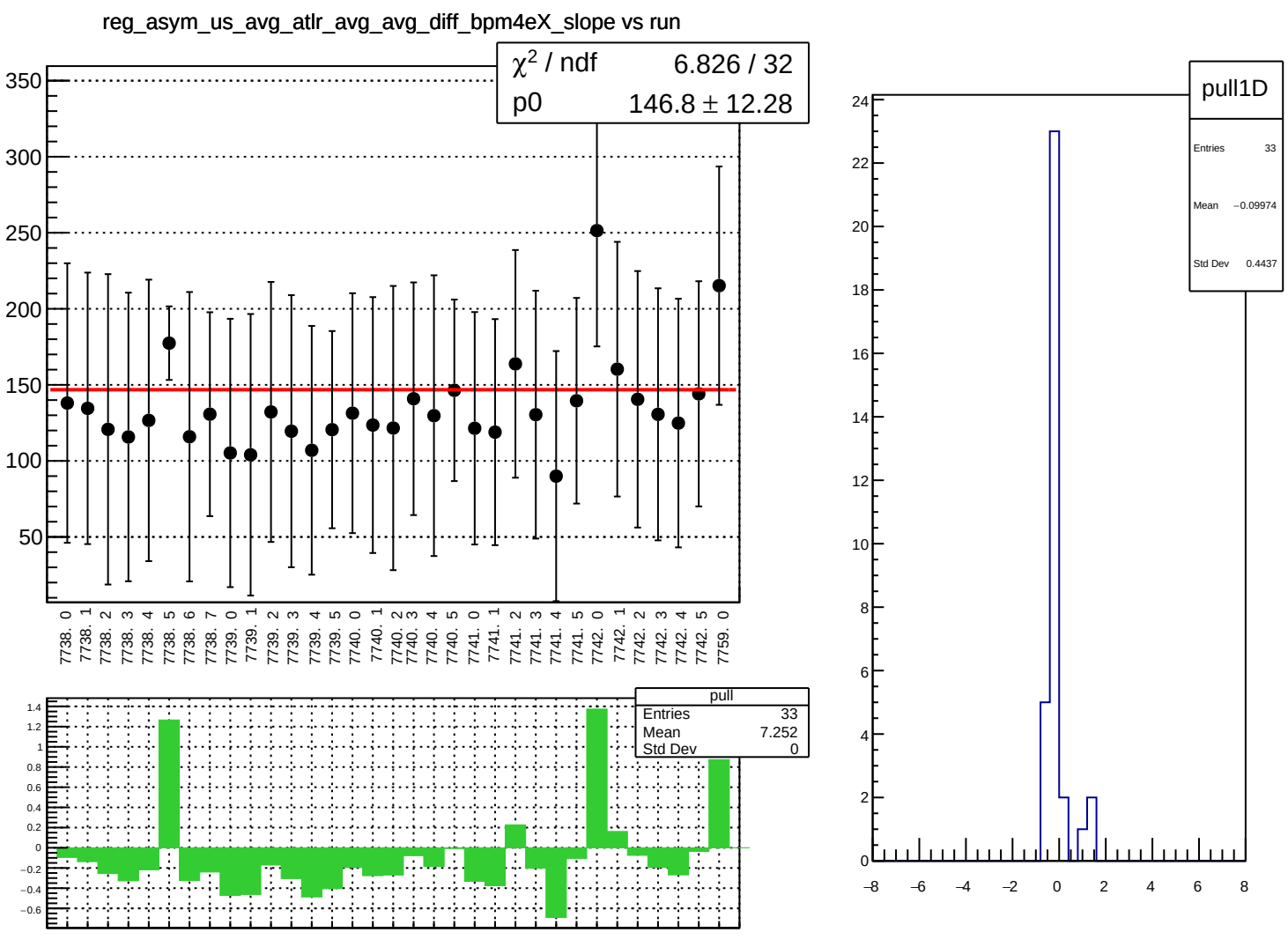

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.112 / 32
p0 47.38 ± 31.66
300
200
100
0
−100
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −24.66
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

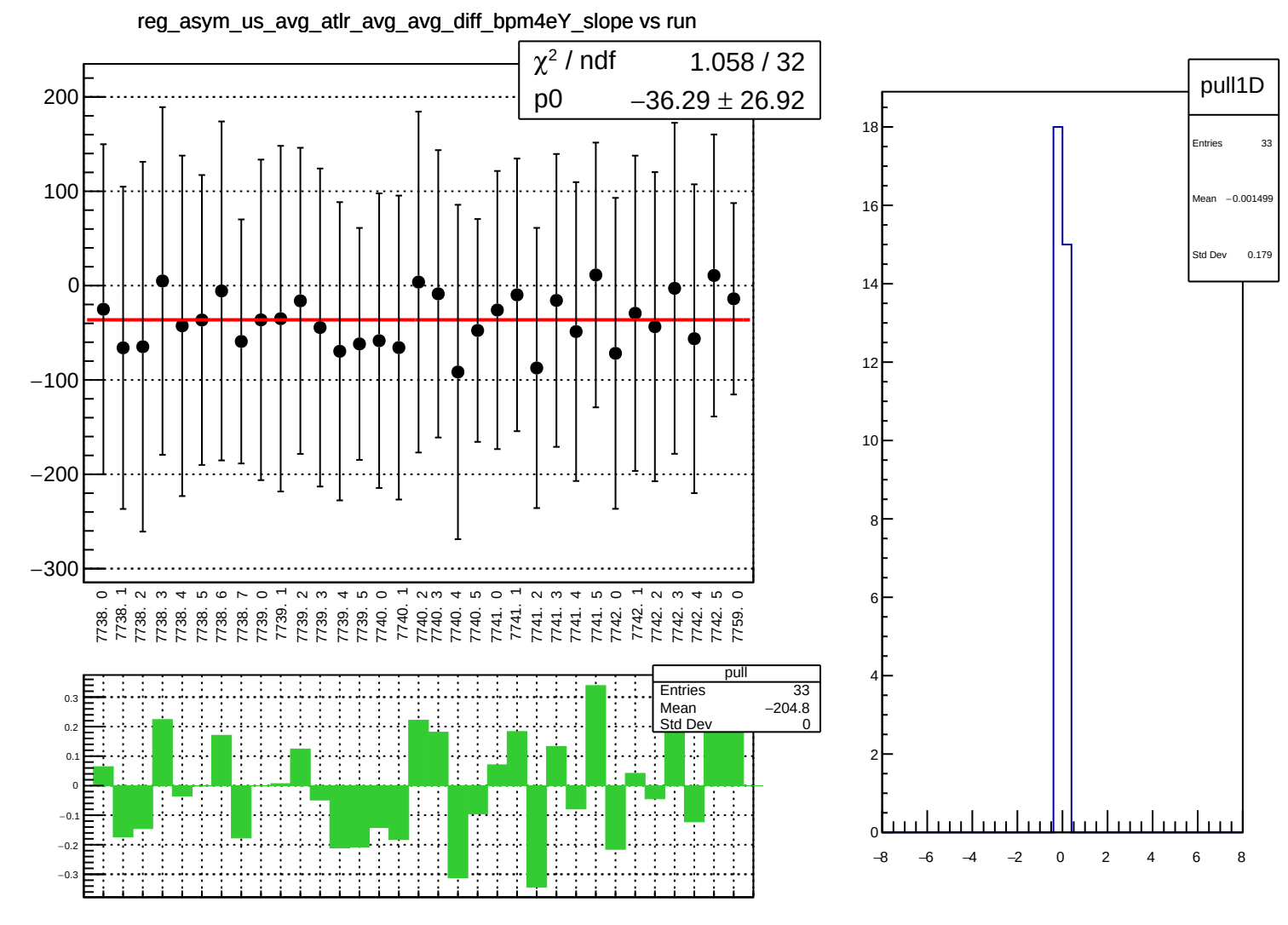

pull1D
Entries 33
Mean 0.005432
Std Dev 0.1835
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

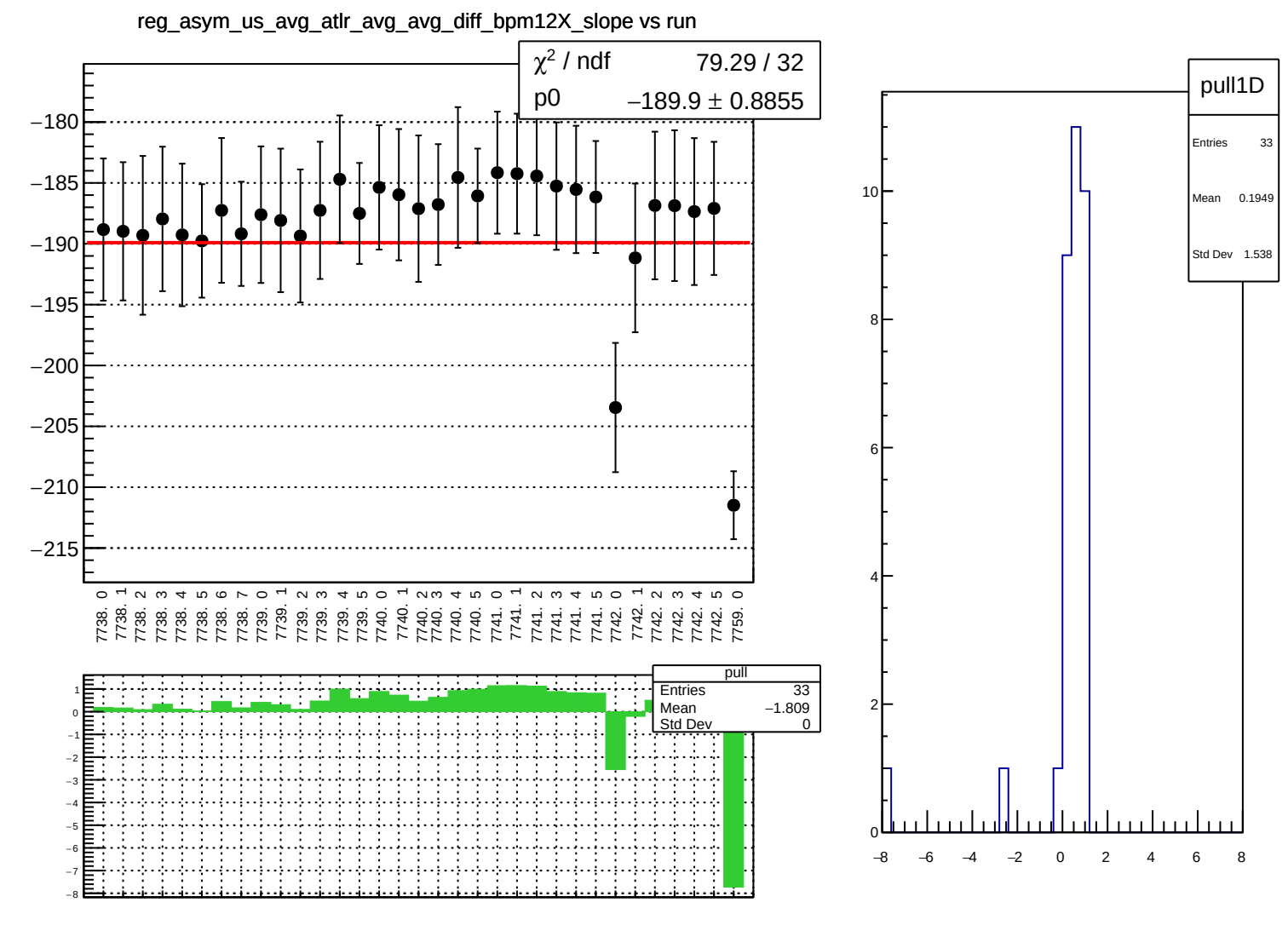

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 18.74 / 32
p0 221.7 ± 1.04
235
230
225
220
215
210
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −6.976
Std Dev 0
4
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 33
Mean −0.1186
Std Dev 0.7443
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

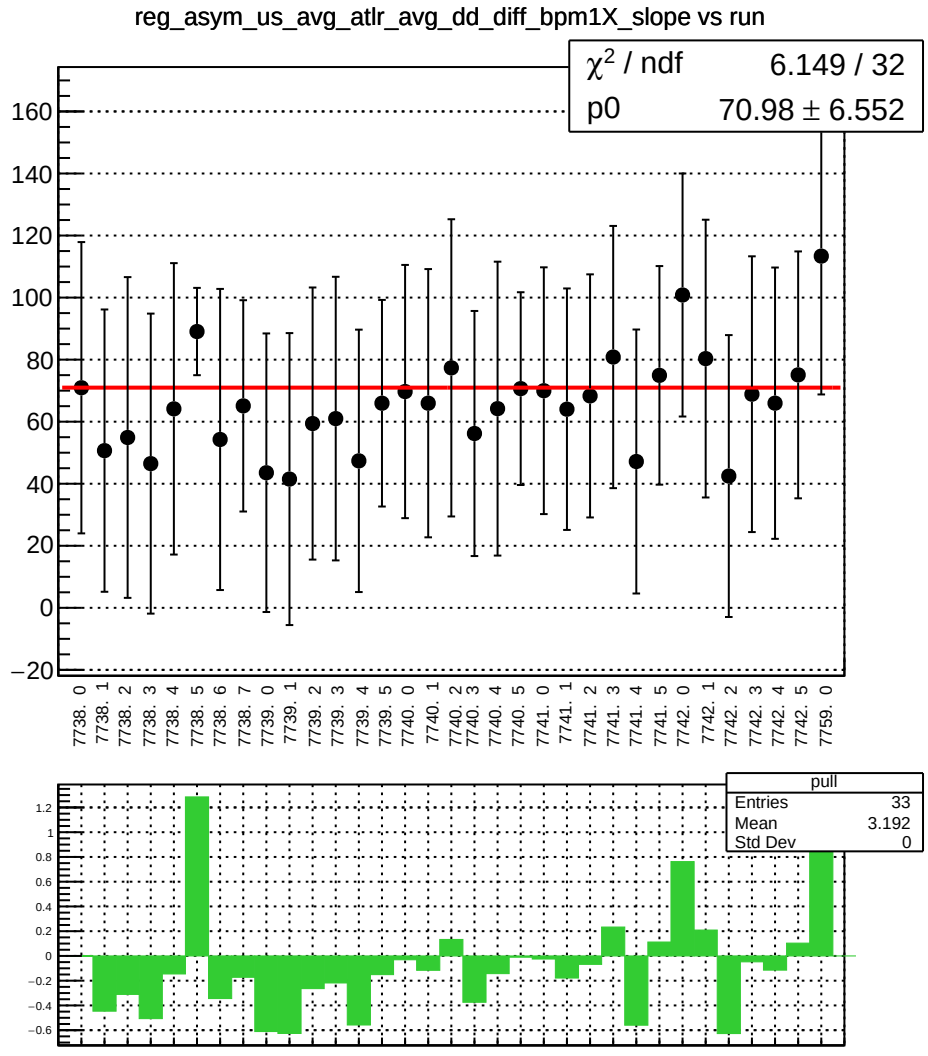

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.569 / 32
p0 −127.3 ± 12.46
0
−50
−100
−150
−200
−250
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.003777
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 33
Mean 0.07035
Std Dev 0.4406
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

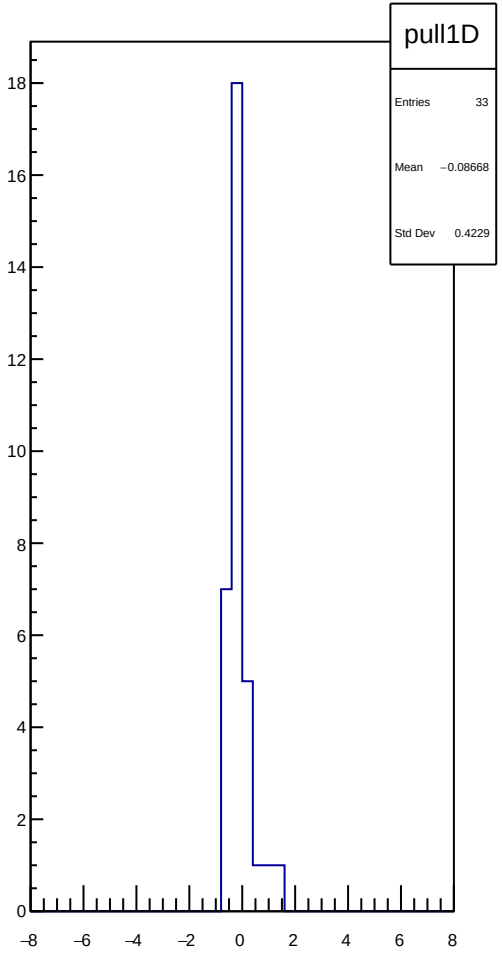

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.281 / 32
p0 61.27 ± 14.8
200
150
100
50
0
−50
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 96.98
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 33
Mean −0.0007829
Std Dev 0.197
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

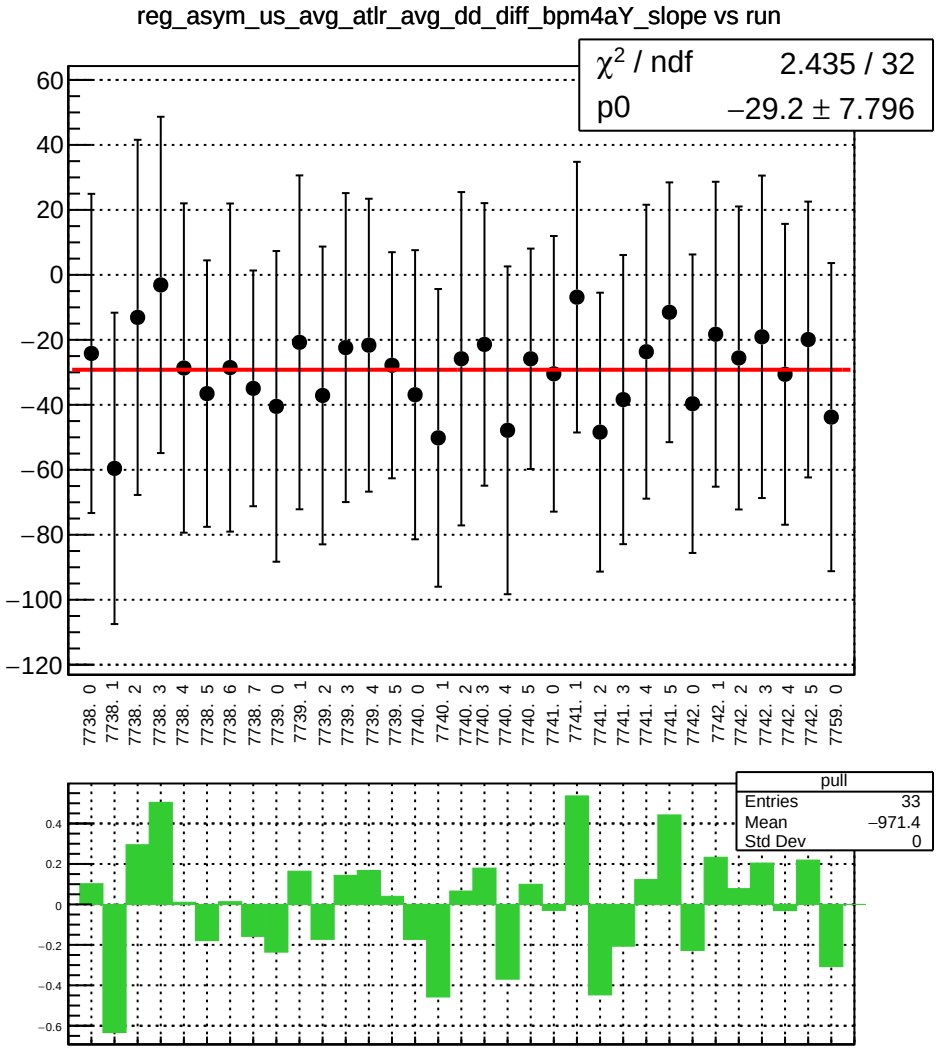

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.826 / 32
p0 146.8 ± 12.28
pull
Entries 33
Mean 7.252
Std Dev 0
pull1D
Entries 33
Mean −0.09974
Std Dev 0.4437

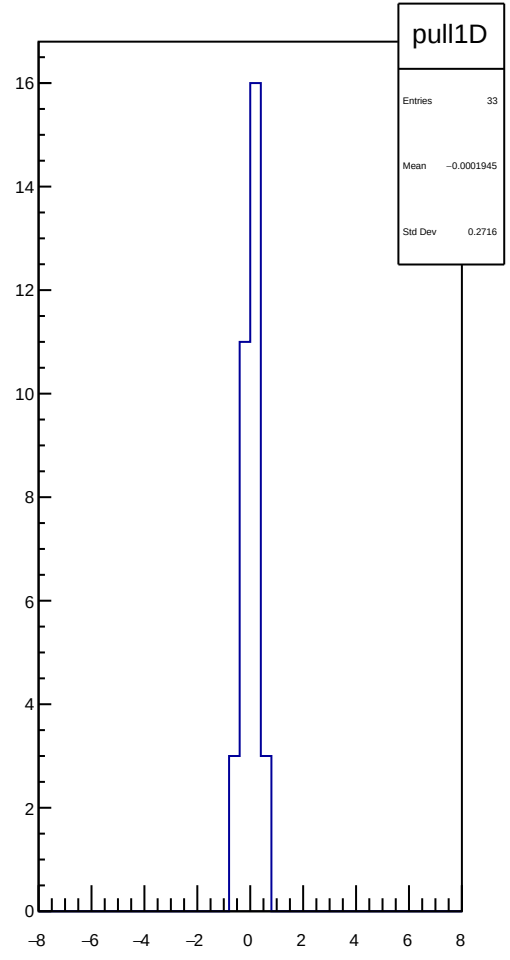

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.058 / 32
p0 −36.29 ± 26.92
200
100
0
−100
−200
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −204.8
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 33
Mean −0.001499
Std Dev 0.179
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

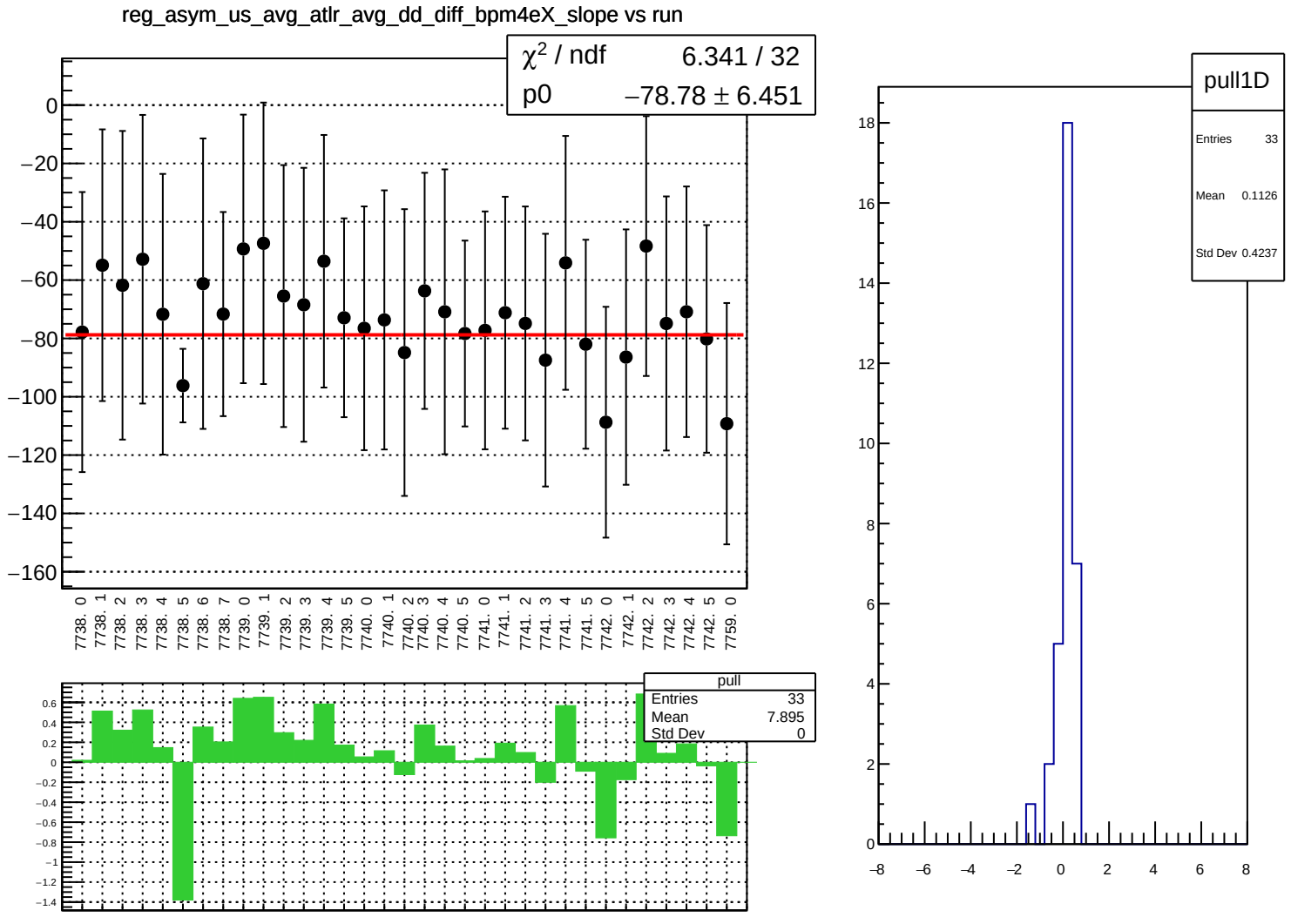

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 79.29 / 32
p0 −189.9 ± 0.8855
−180
−185
−190
−195
−200
−205
−210
−215
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −1.809
Std Dev 0
pull1D
Entries 33
Mean 0.1949
Std Dev 1.538

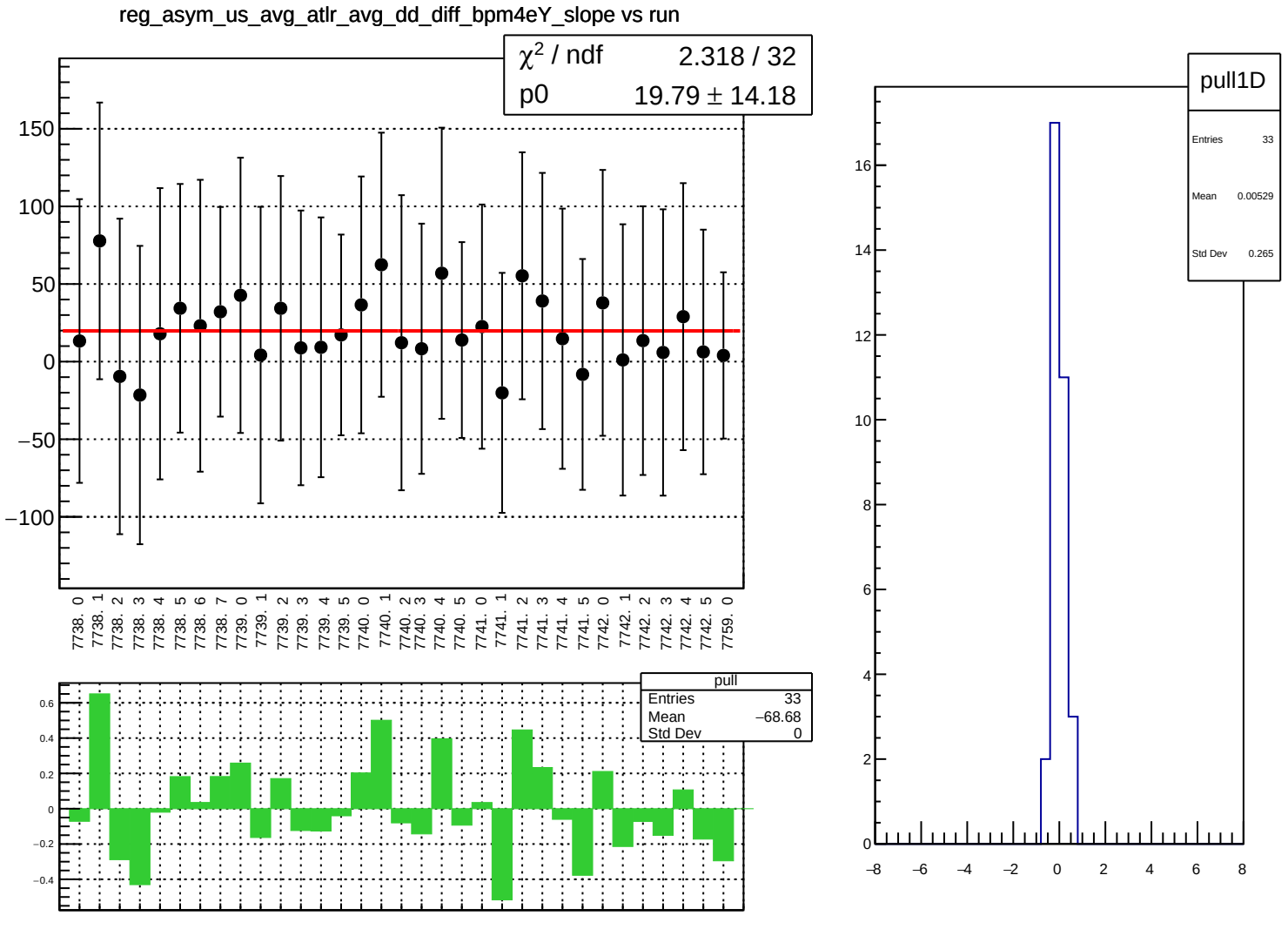

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 6.149 / 32
p0 70.98 ± 6.552
pull
Entries 33
Mean 3.192
Std Dev 0

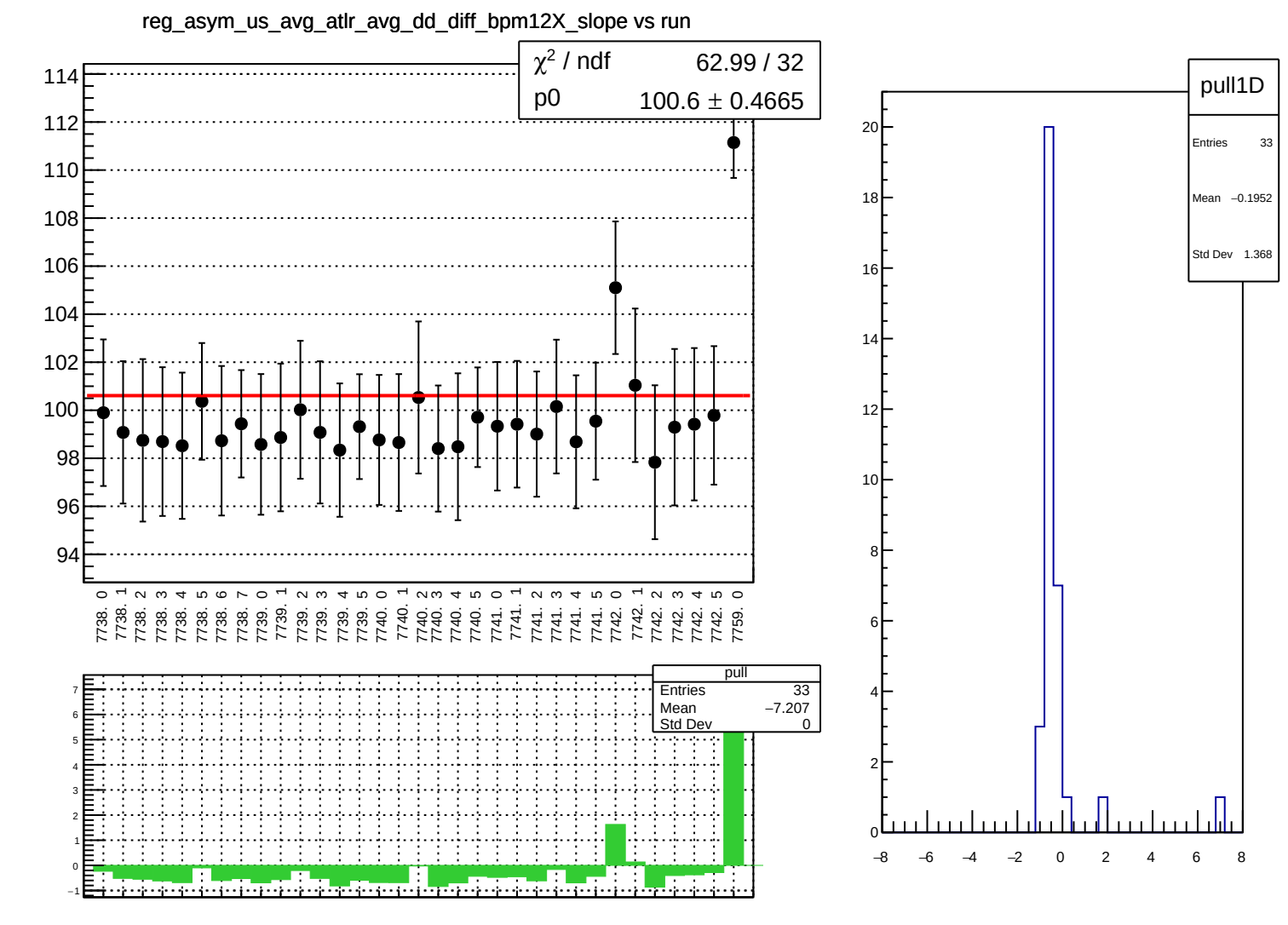

pull1D
Entries 33
Mean −0.08668
Std Dev 0.4229

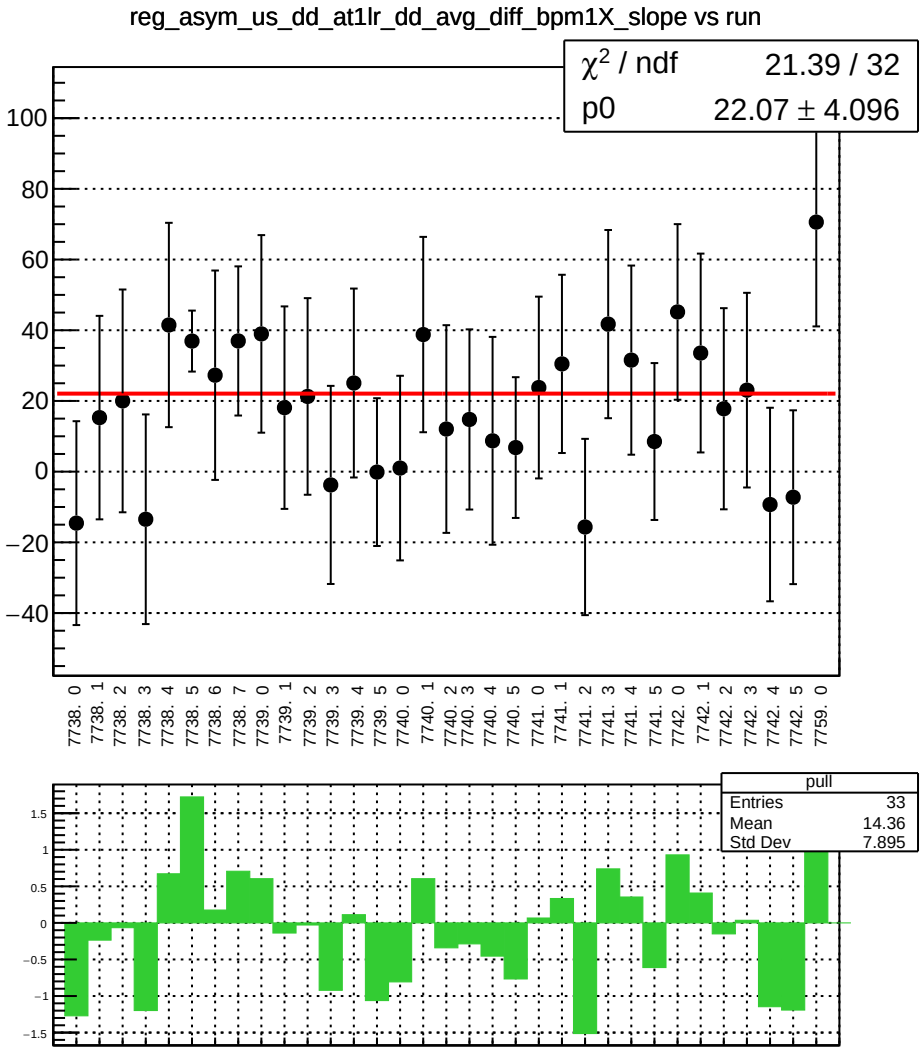

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.435 / 32
p0 −29.2 ± 7.796
pull
Entries 33
Mean −971.4
Std Dev 0

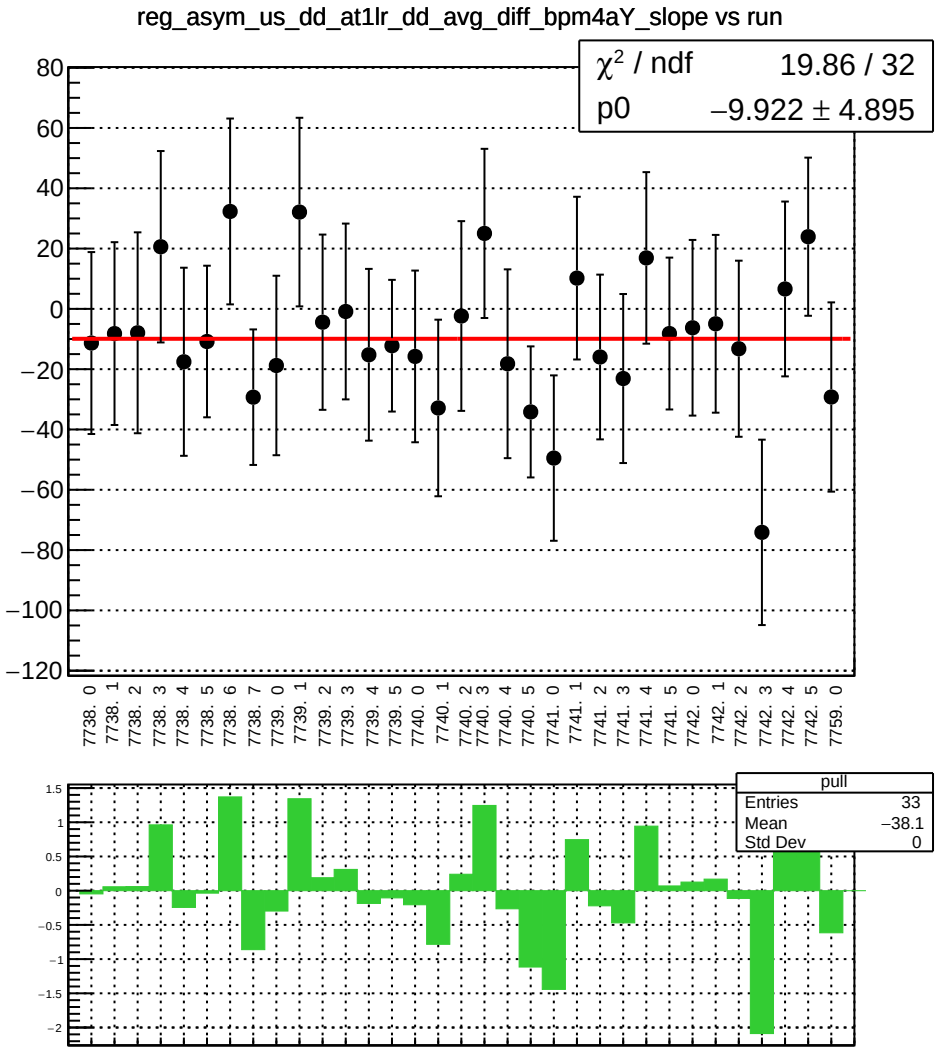

pull1D
Entries 33
Mean −0.0001945
Std Dev 0.2716

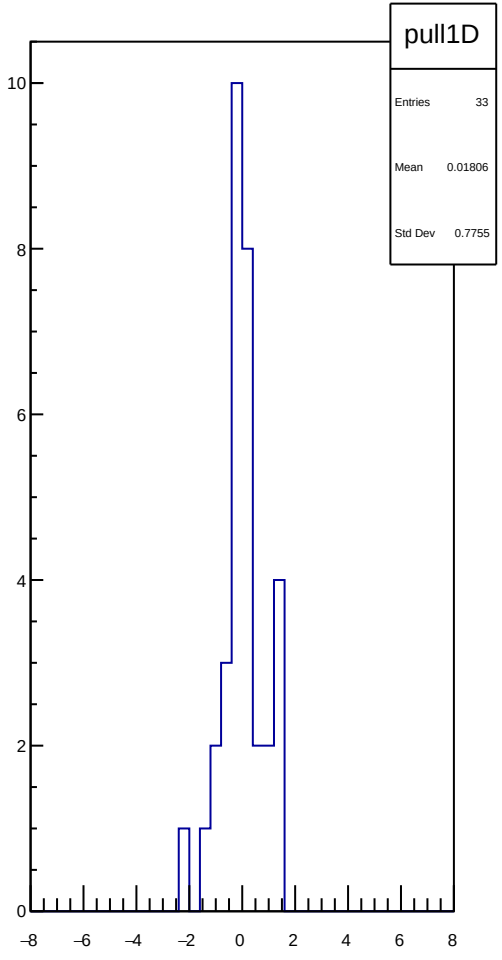

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.341 / 32
p0 −78.78 ± 6.451
pull
Entries 33
Mean 7.895
Std Dev 0
pull1D
Entries 33
Mean 0.1126
Std Dev 0.4237

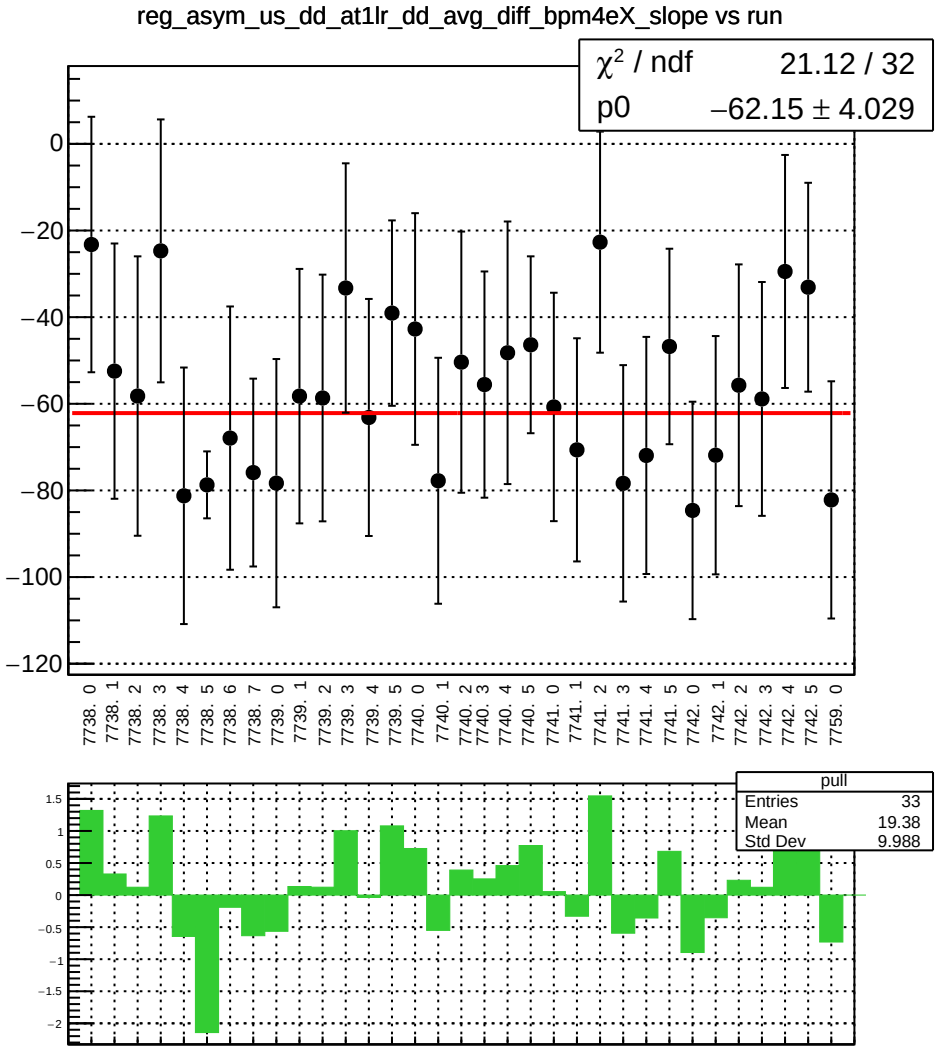

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.318 / 32
p0 19.79 ± 14.18
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −68.68
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 33
Mean 0.00529
Std Dev 0.265
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

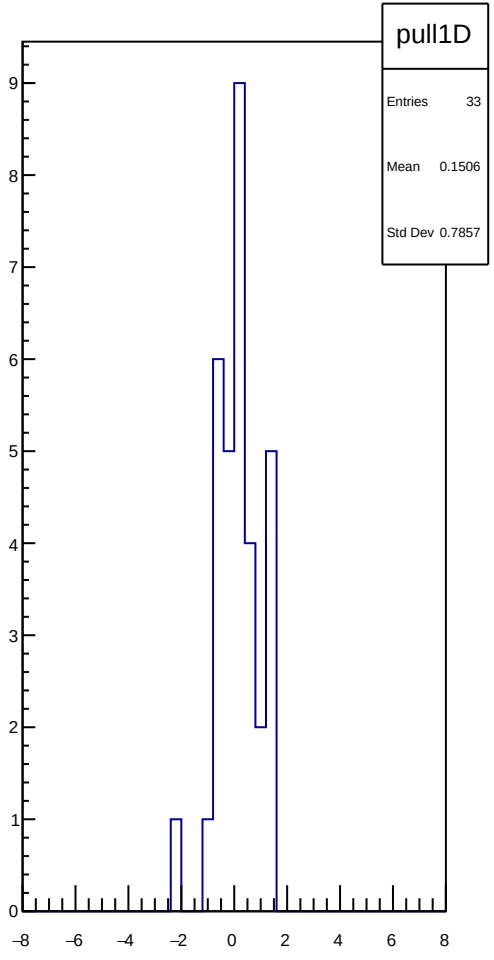

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 62.99 / 32
p0 100.6 ± 0.4665
pull
Entries 33
Mean −7.207
Std Dev 0
pull1D
Entries 33
Mean −0.1952
Std Dev 1.368

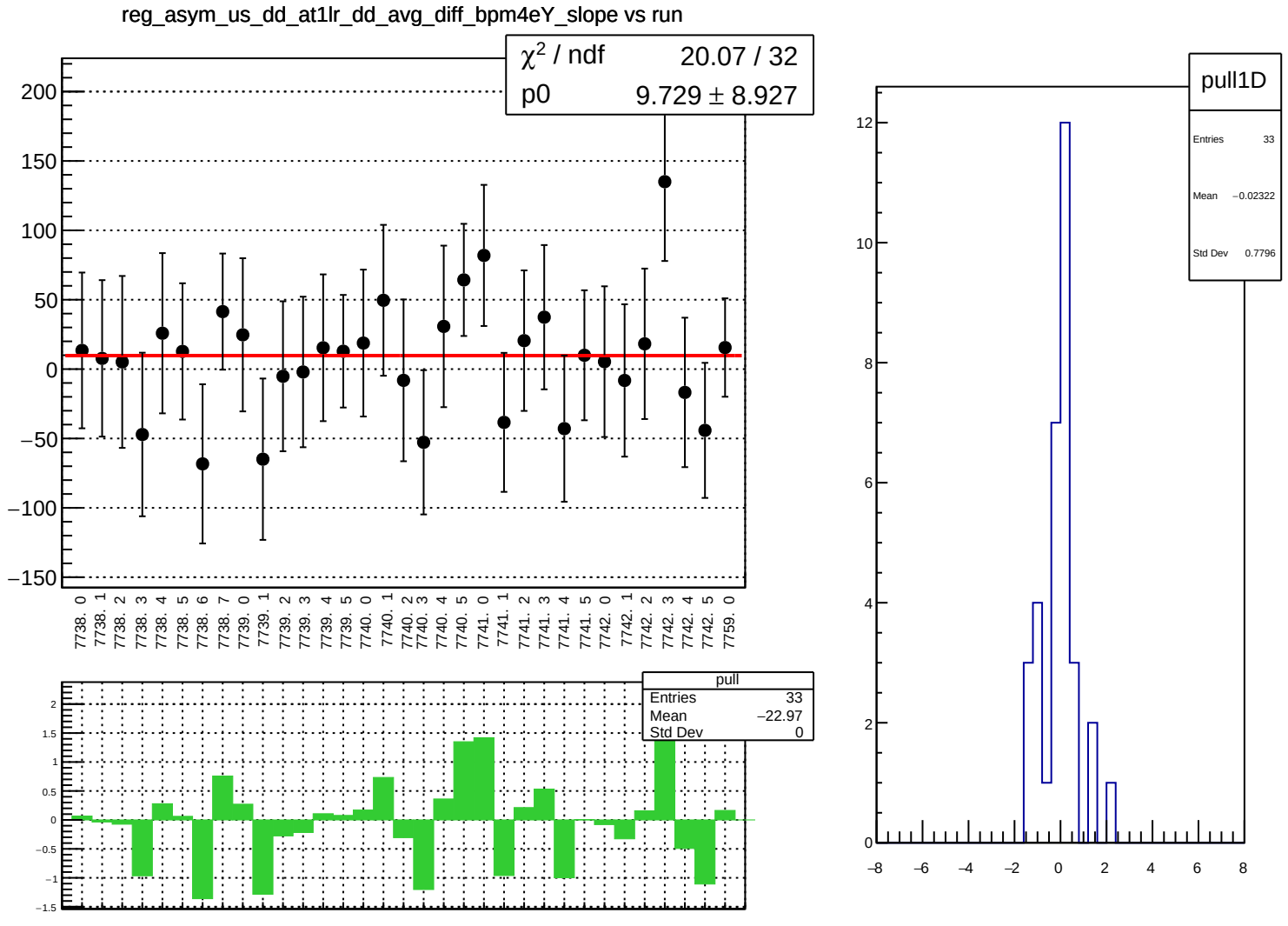

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 21.39 / 32
p0 22.07 ± 4.096
100
80
60
40
20
0
−20
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 14.36
Std Dev 7.895
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.09333
Std Dev 0.7996
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

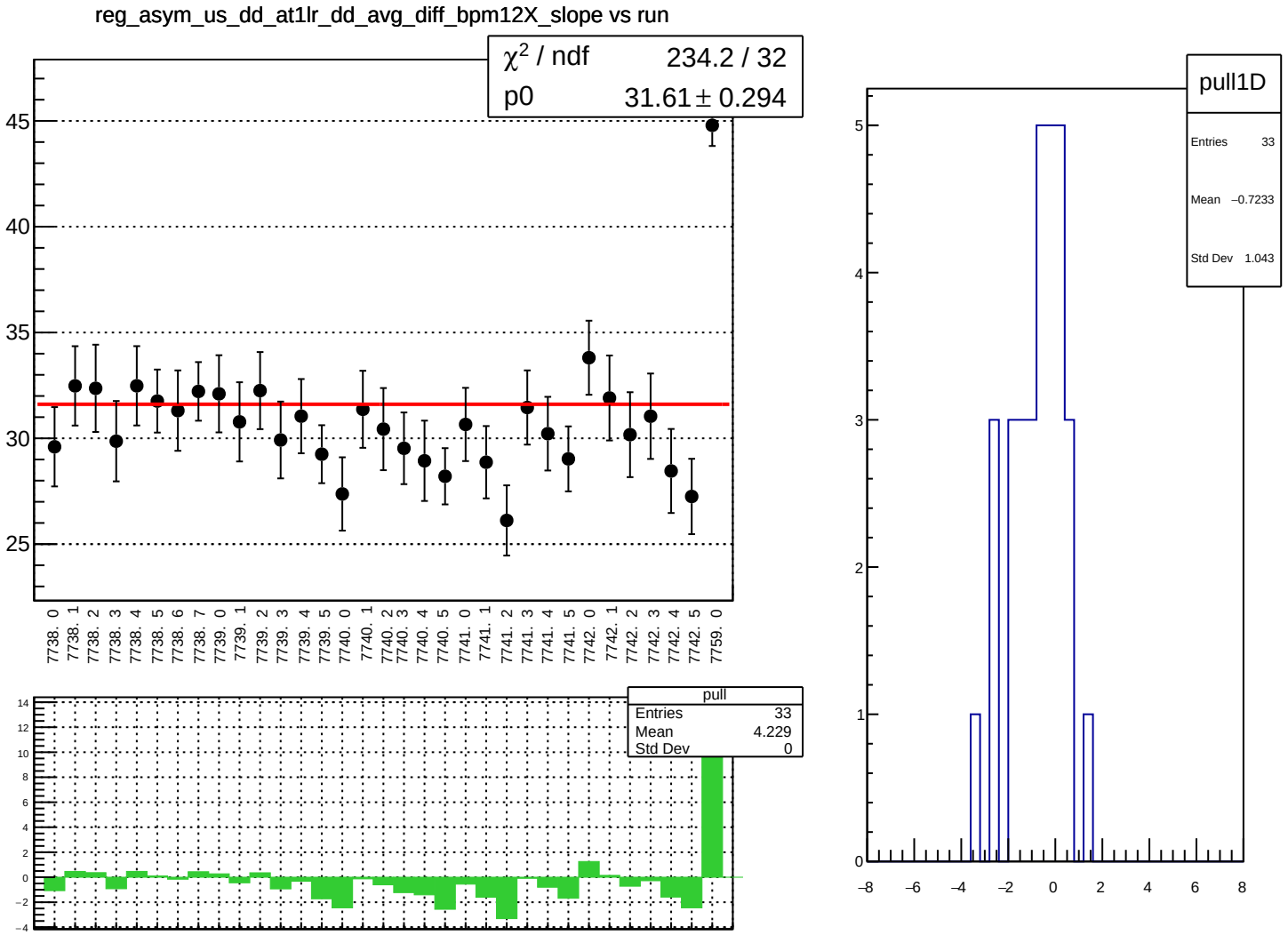

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.86 / 32
p0 −9.922 ± 4.895
pull
Entries 33
Mean −38.1
Std Dev 0

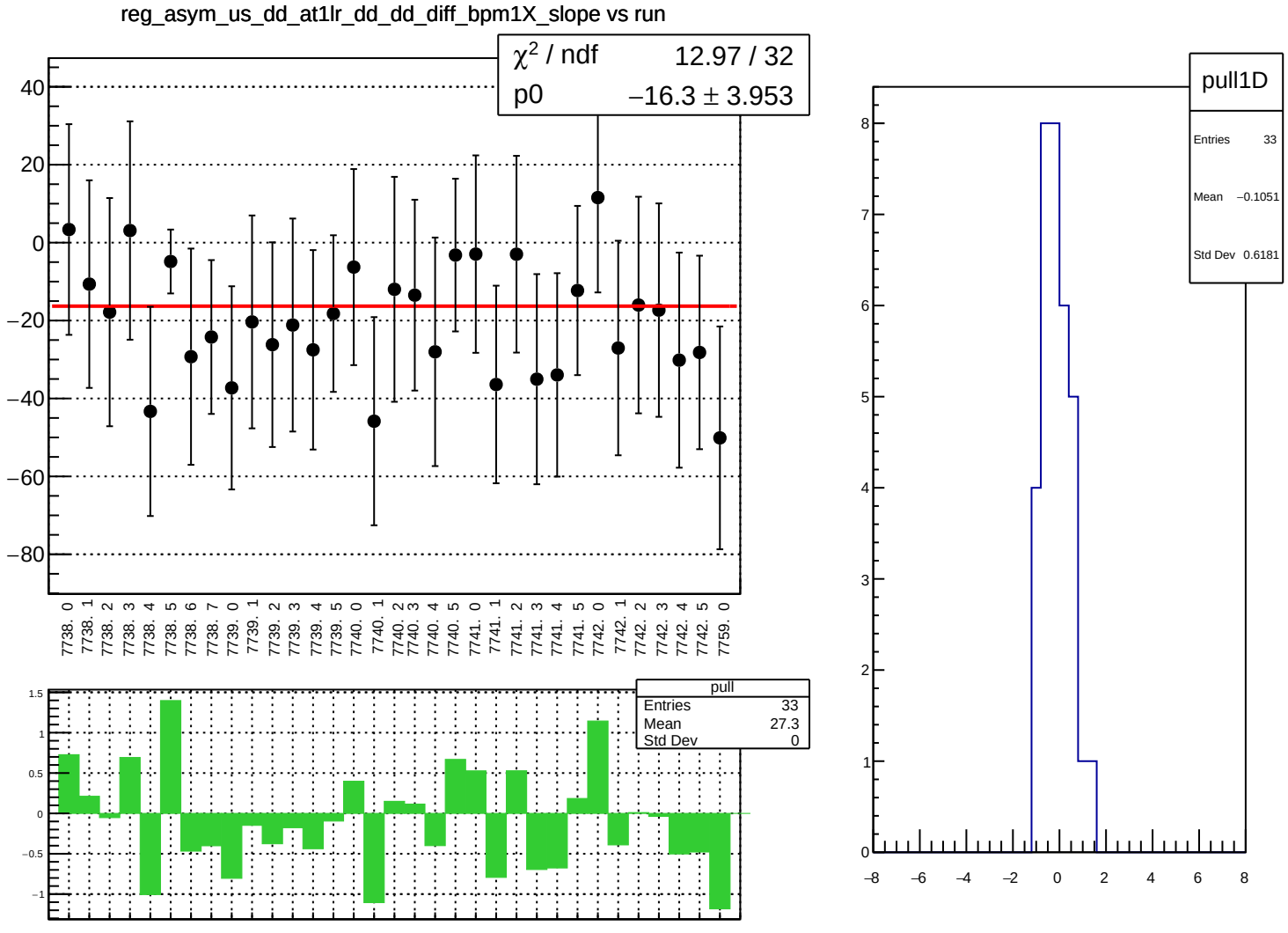

pull1D
Entries 33
Mean 0.01806
Std Dev 0.7755

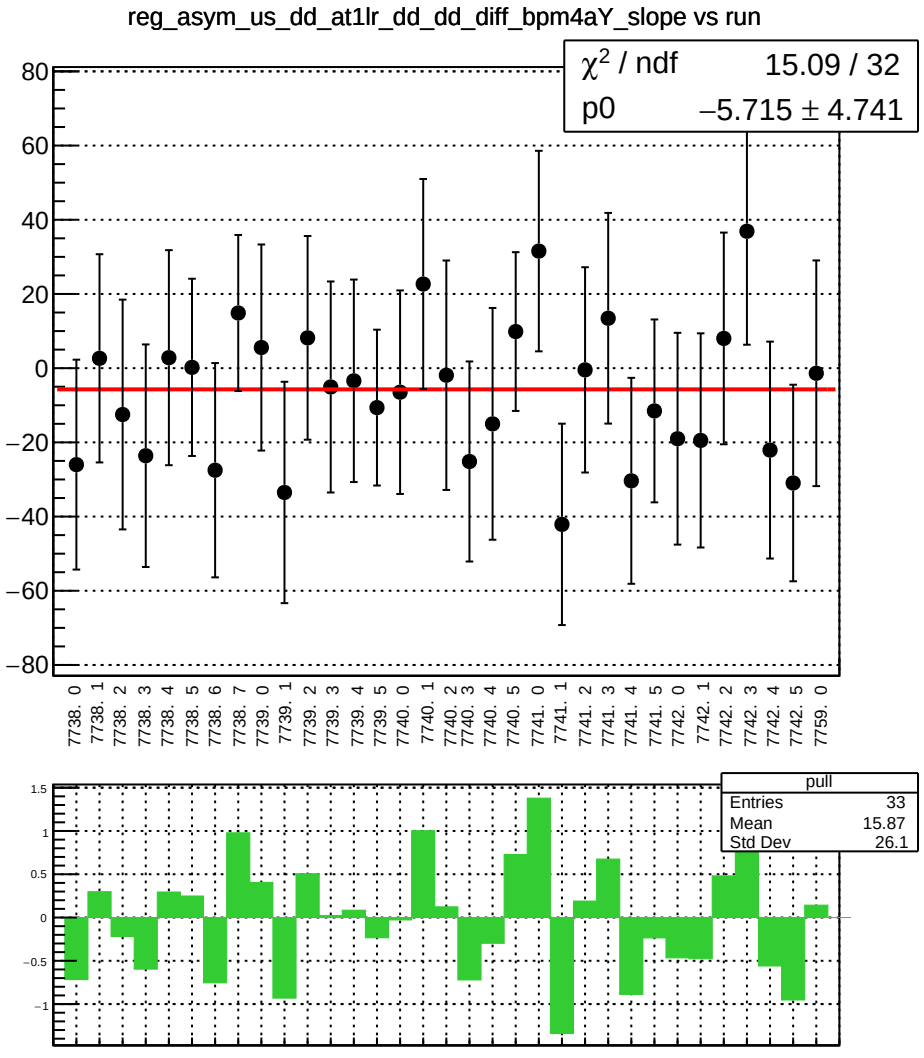

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.12 / 32
p0 −62.15 ± 4.029
pull
Entries 33
Mean 19.38
Std Dev 9.988

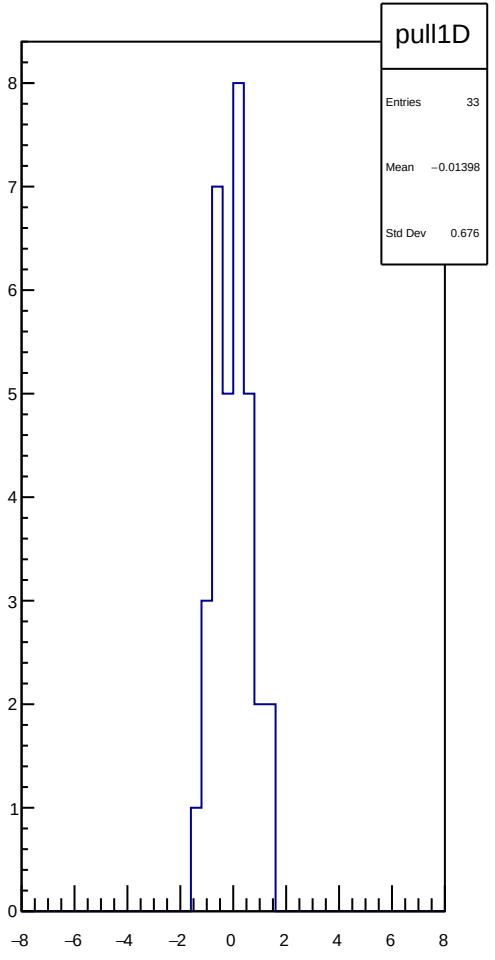

pull1D
Entries 33
Mean 0.1506
Std Dev 0.7857

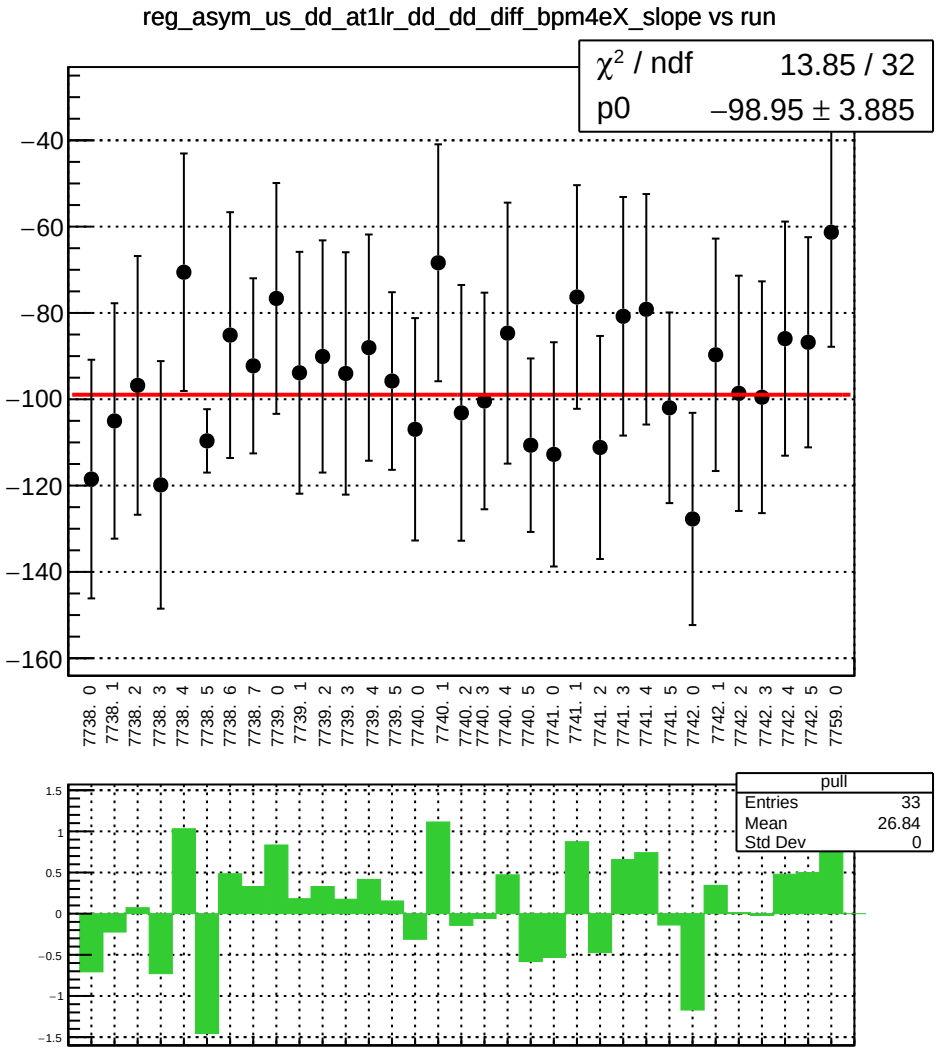

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.07 / 32
p0 9.729 ± 8.927
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −22.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.02322
Std Dev 0.7796
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

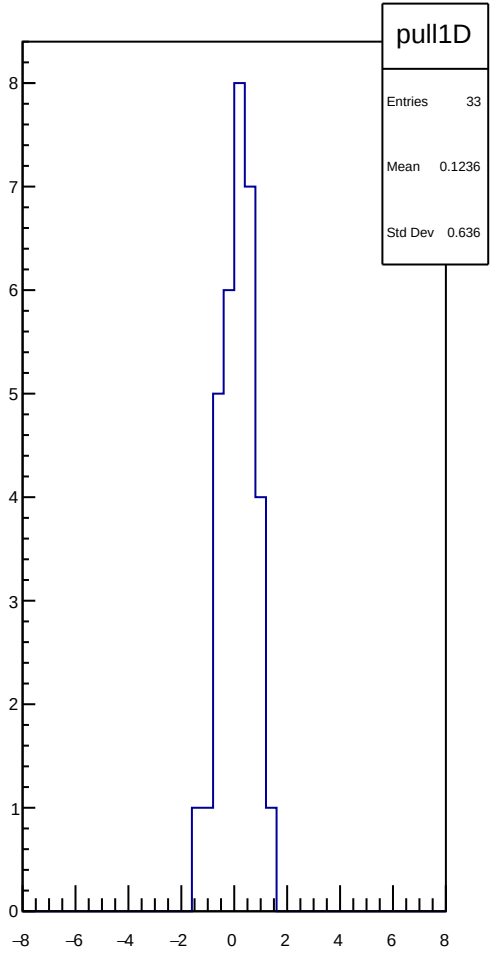

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 234.2 / 32
p0 31.61 ± 0.294
45
40
35
30
25
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 4.229
Std Dev 0
14
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 33
Mean −0.7233
Std Dev 1.043
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

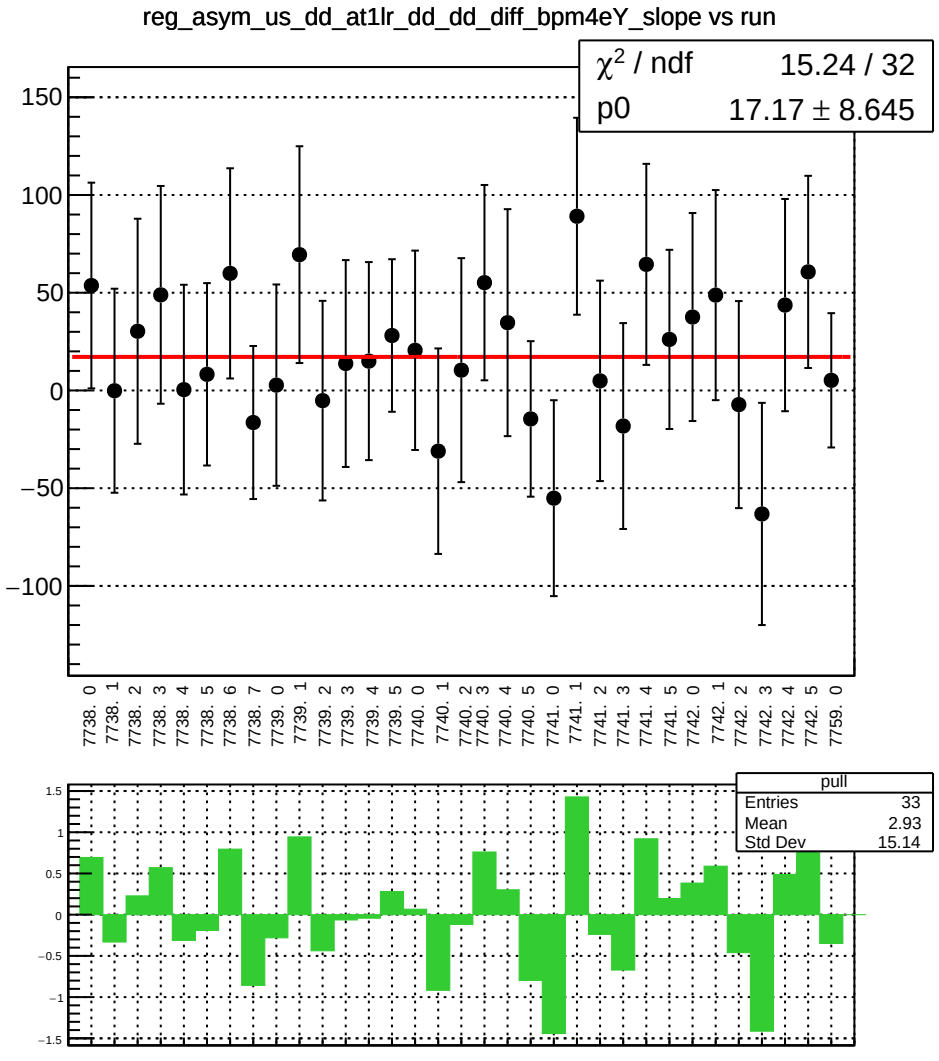

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 12.97 / 32
p0 −16.3 ± 3.953
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 27.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.1051
Std Dev 0.6181
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

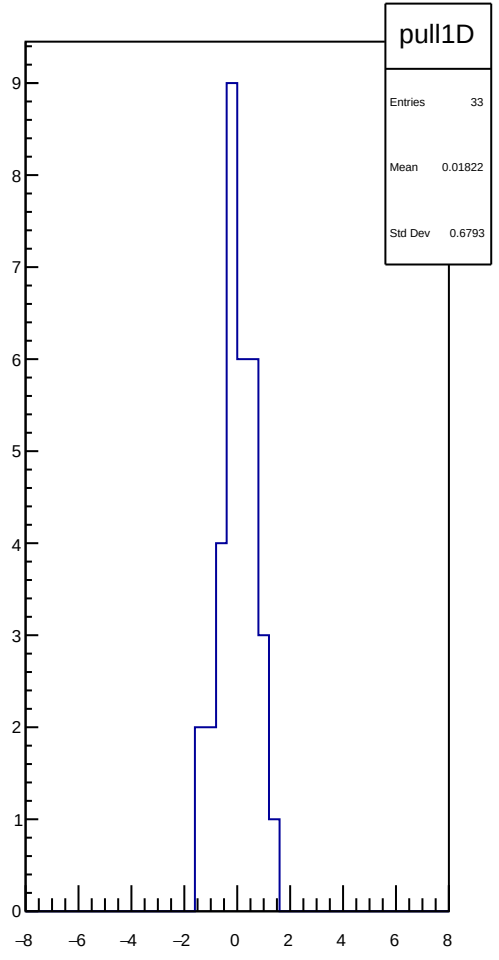

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.09 / 32
p0 −5.715 ± 4.741
80
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 15.87
Std Dev 26.1
1.5
1
0.5
0
−0.5
−1

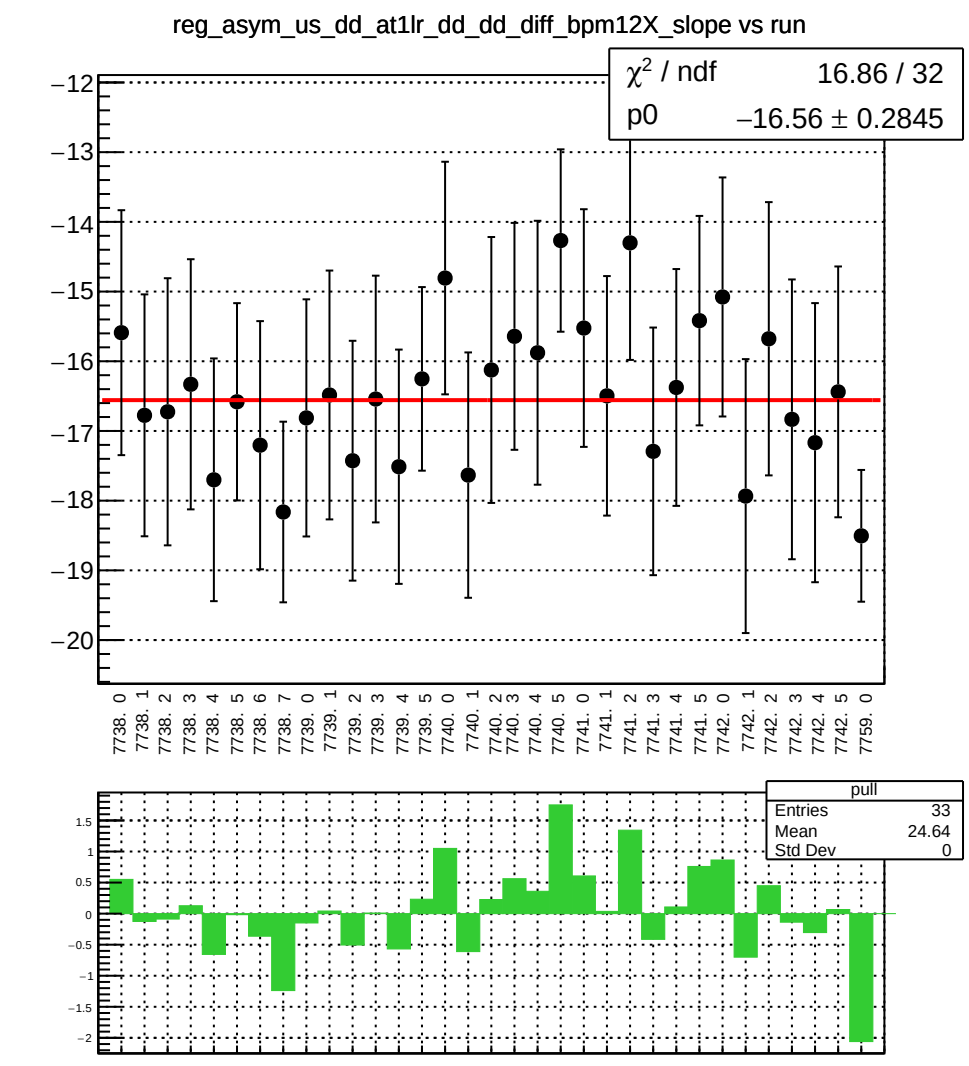

pull1D
Entries 33
Mean −0.01398
Std Dev 0.676
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

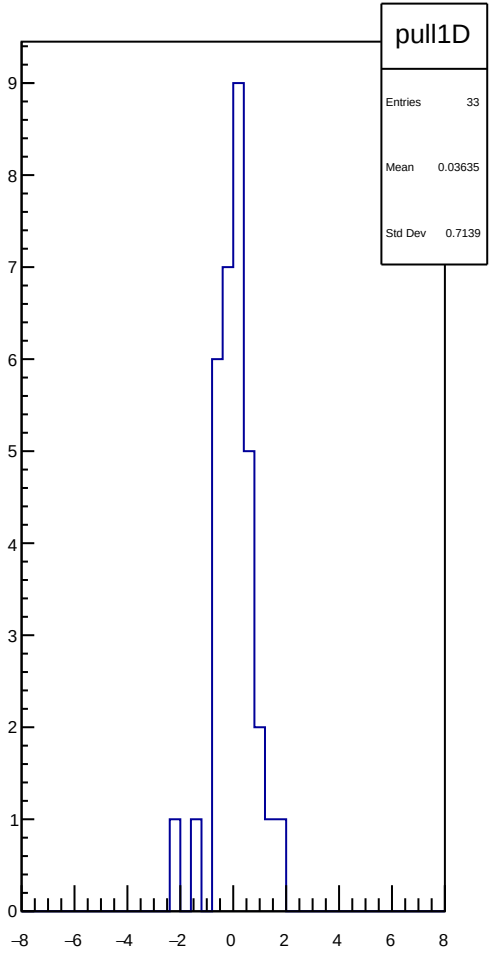

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.85 / 32
p0 −98.95 ± 3.885
−40
−60
−80
−100
−120
−140
−160
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 26.84
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

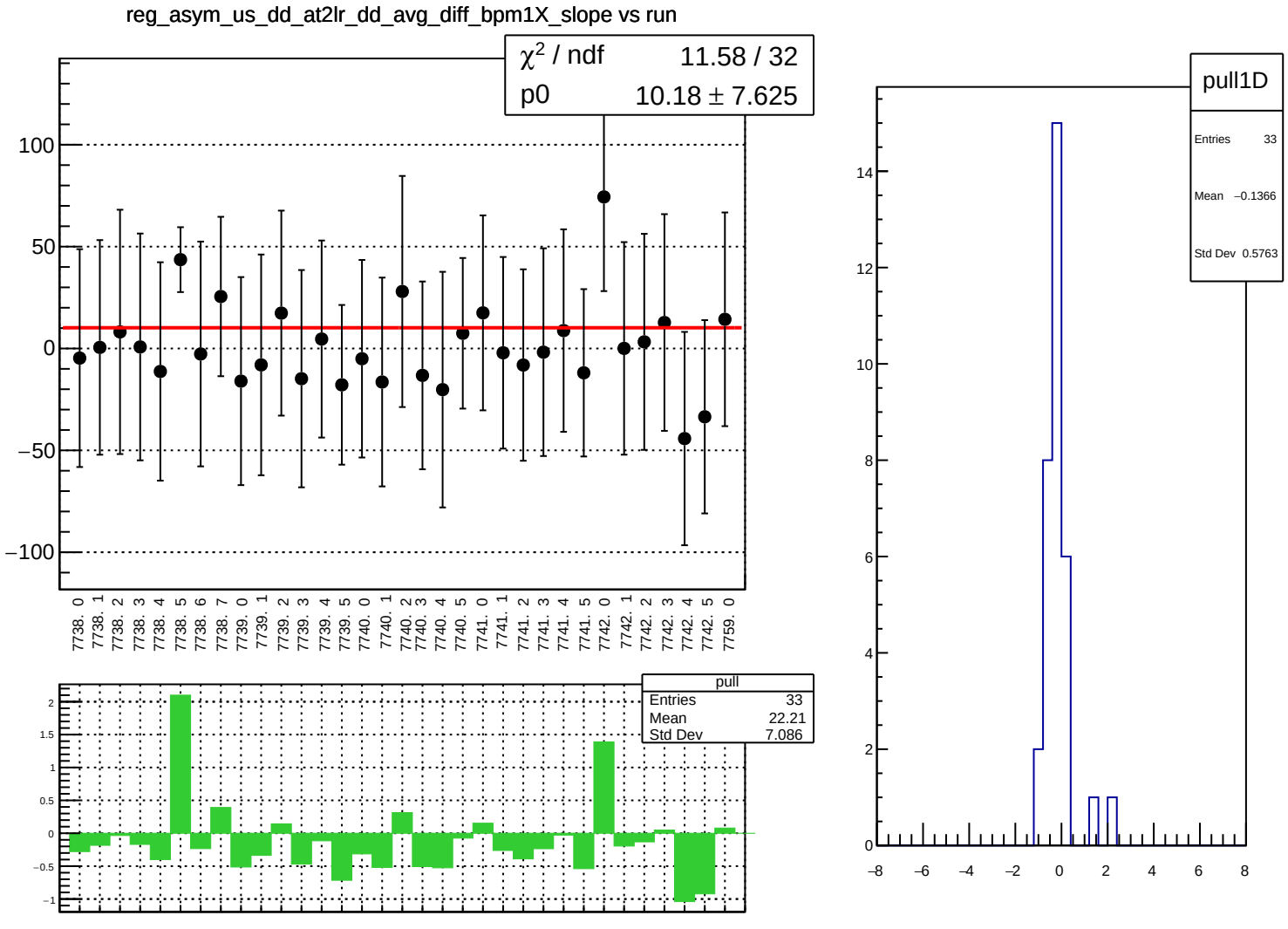

pull1D
Entries 33
Mean 0.1236
Std Dev 0.636
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

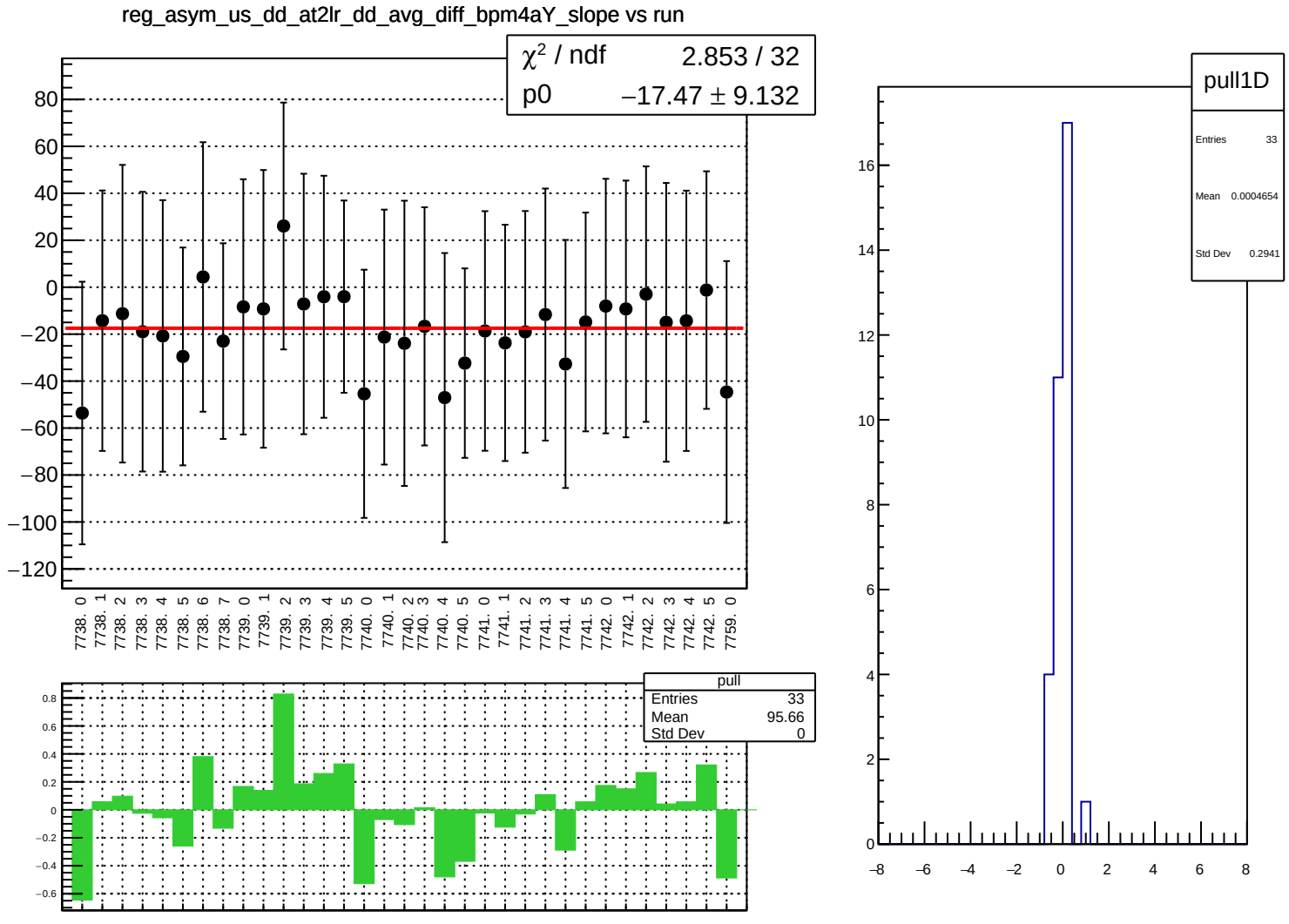

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.24 / 32
p0 17.17 ± 8.645
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.93
Std Dev 15.14
1.5
1
0.5
0
−0.5
−1
−1.5

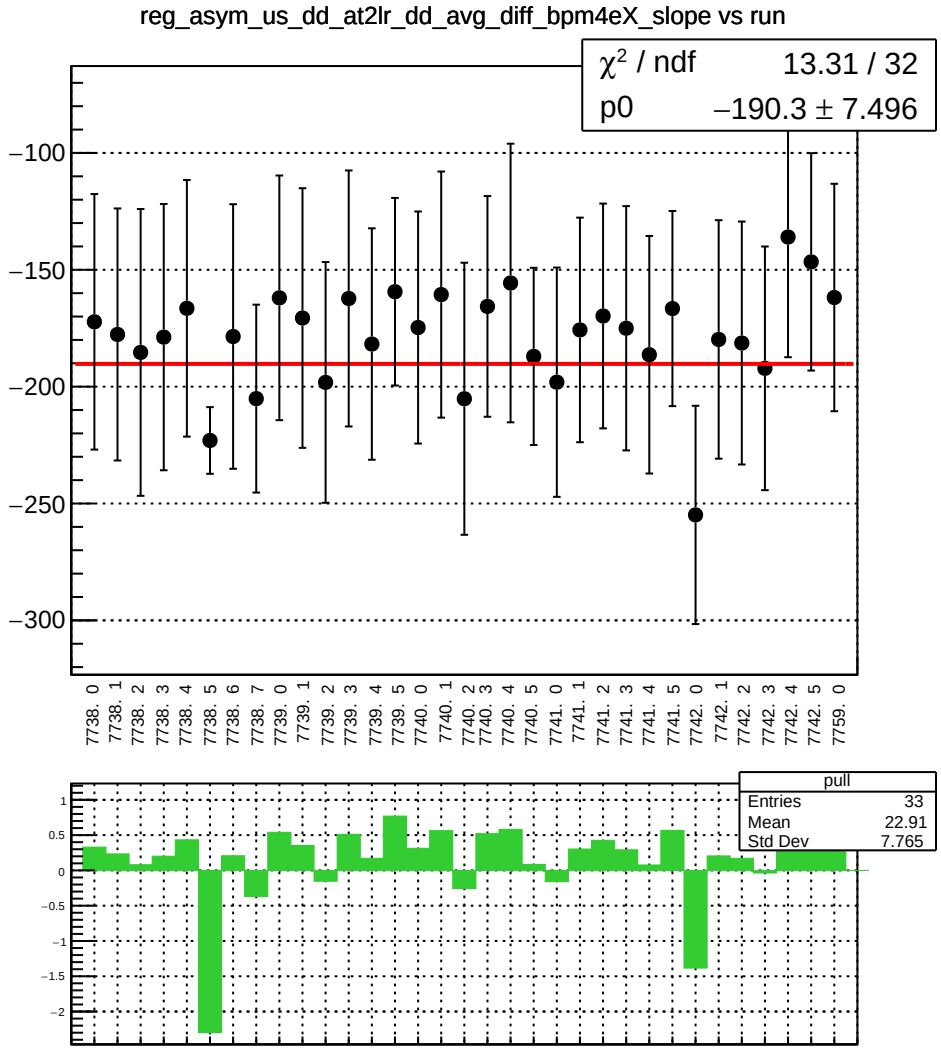

pull1D
Entries 33
Mean 0.01822
Std Dev 0.6793
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

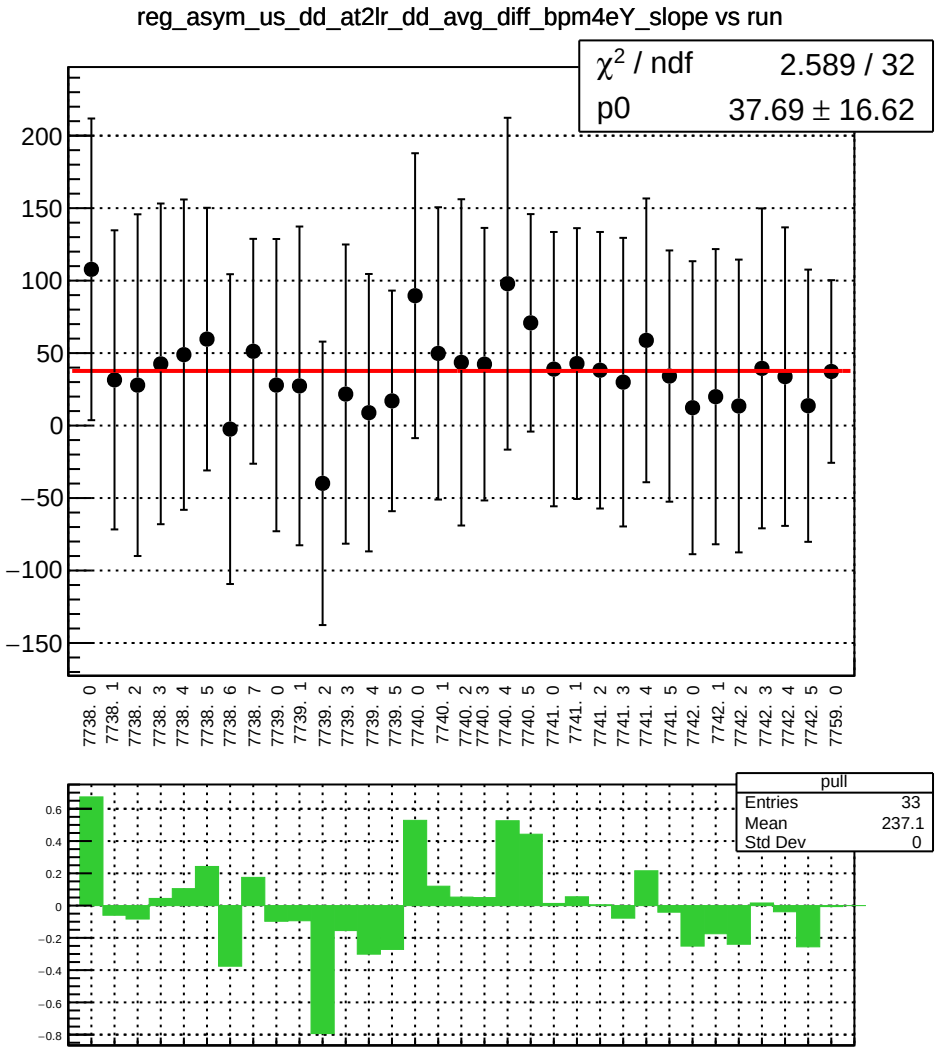

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 16.86 / 32
p0 −16.56 ± 0.2845
pull
Entries 33
Mean 24.64
Std Dev 0

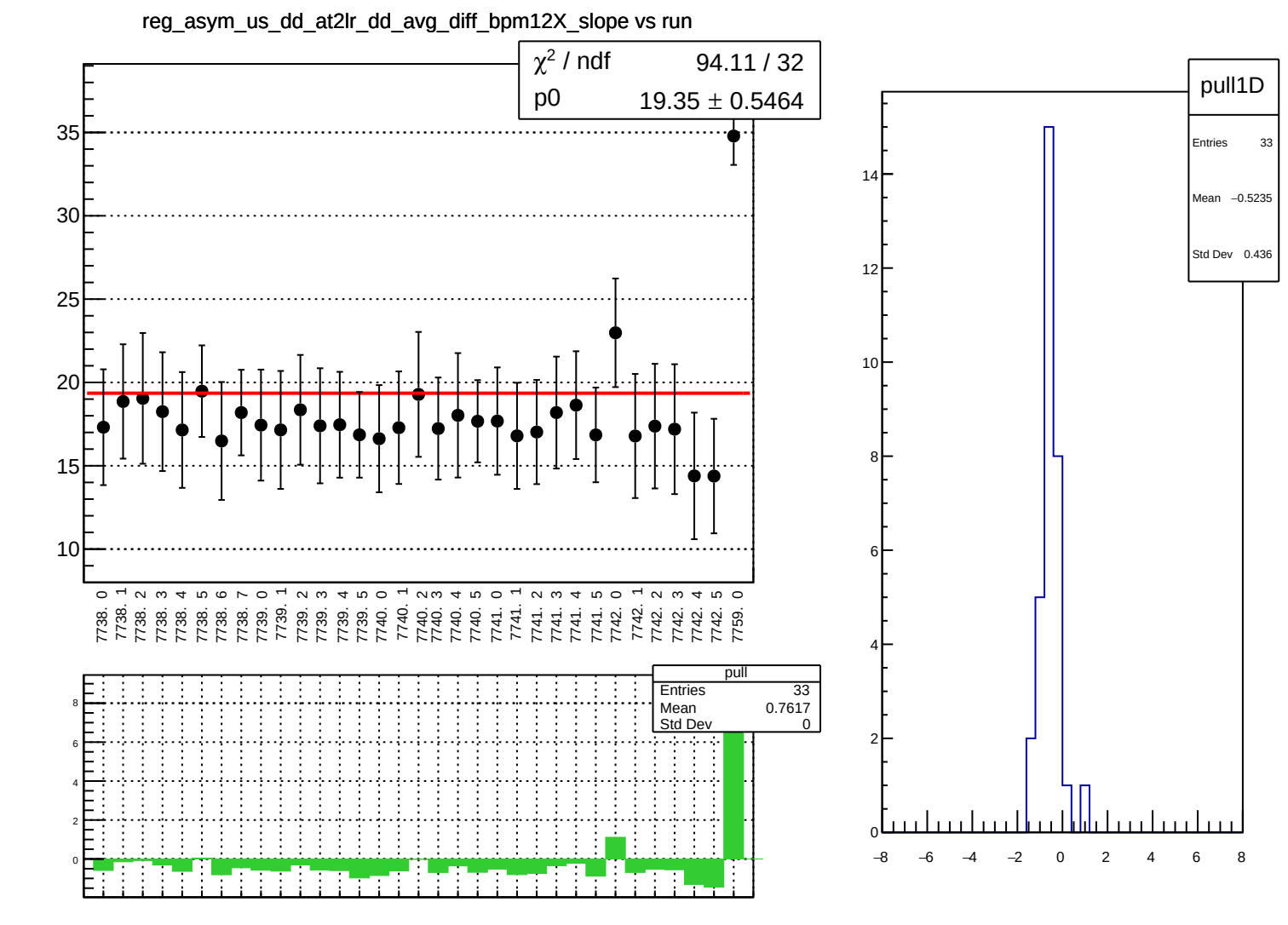

pull1D
Entries 33
Mean 0.03635
Std Dev 0.7139

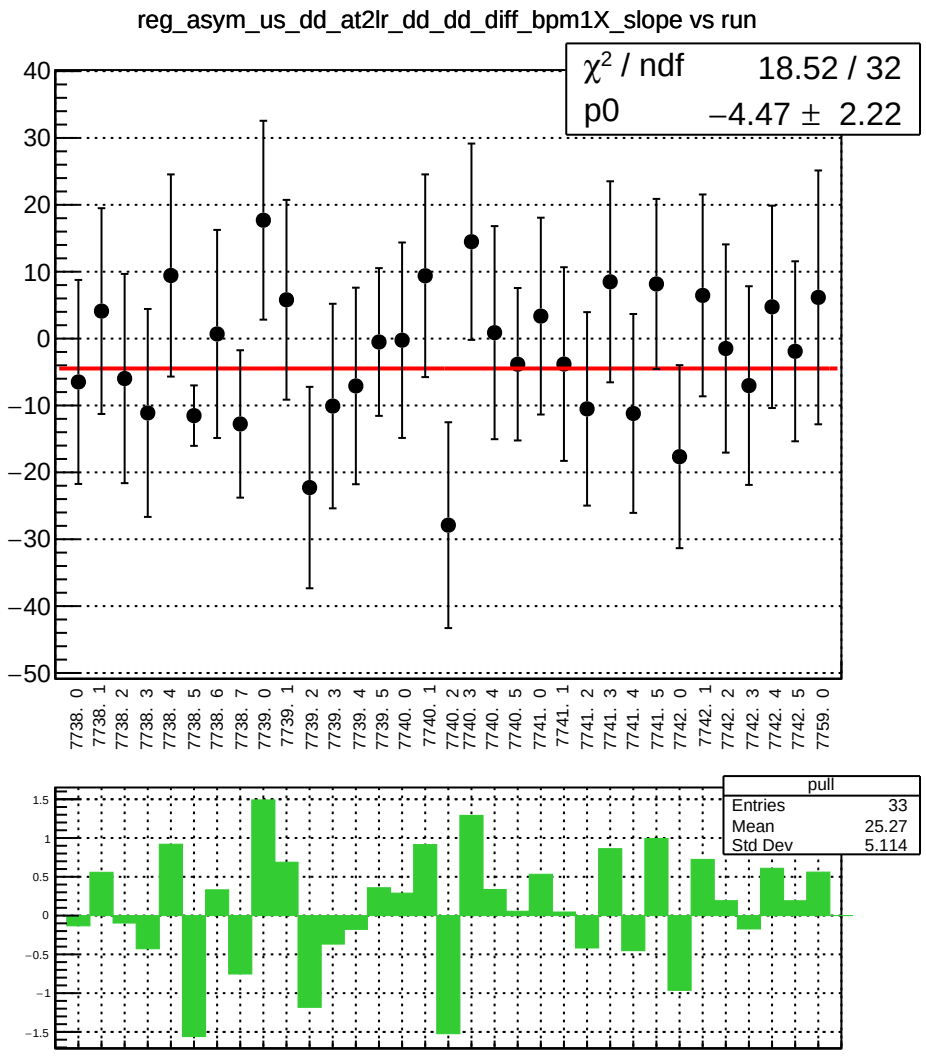

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 11.58 / 32
p0 10.18 ± 7.625
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.21
Std Dev 7.086
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.1366
Std Dev 0.5763
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

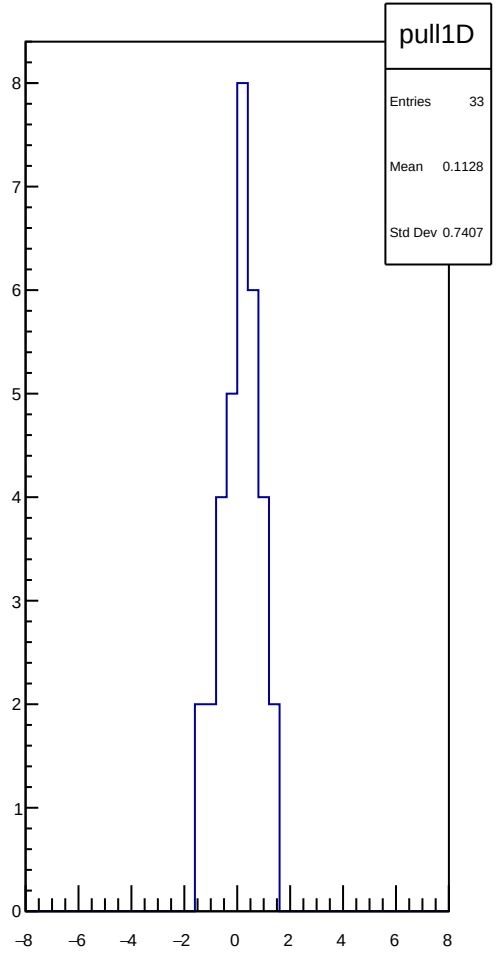

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.853 / 32
p0 −17.47 ± 9.132
80
60
40
20
0
−20
−40
−60
−80
−100
−120
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 95.66
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 33
Mean 0.0004654
Std Dev 0.2941
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

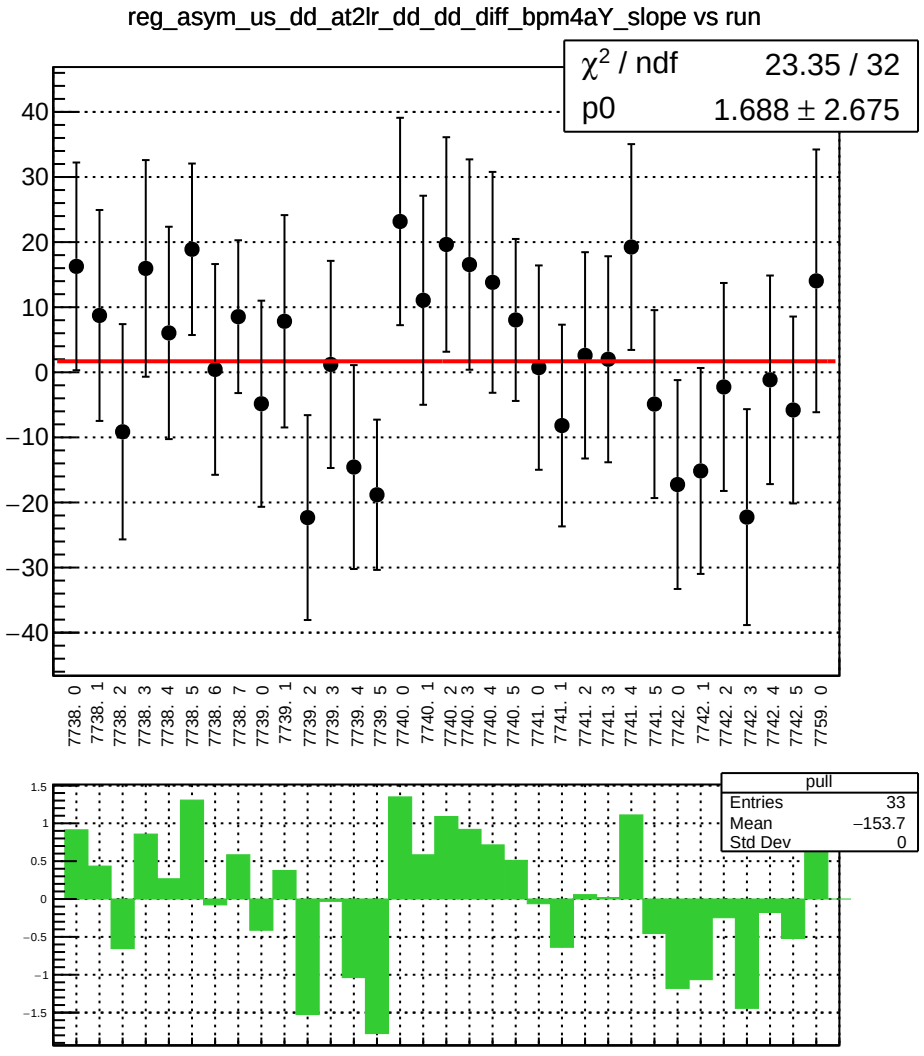

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.31 / 32
p0 −190.3 ± 7.496
−100
−150
−200
−250
−300
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 22.91
Std Dev 7.765
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean 0.1774
Std Dev 0.6098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

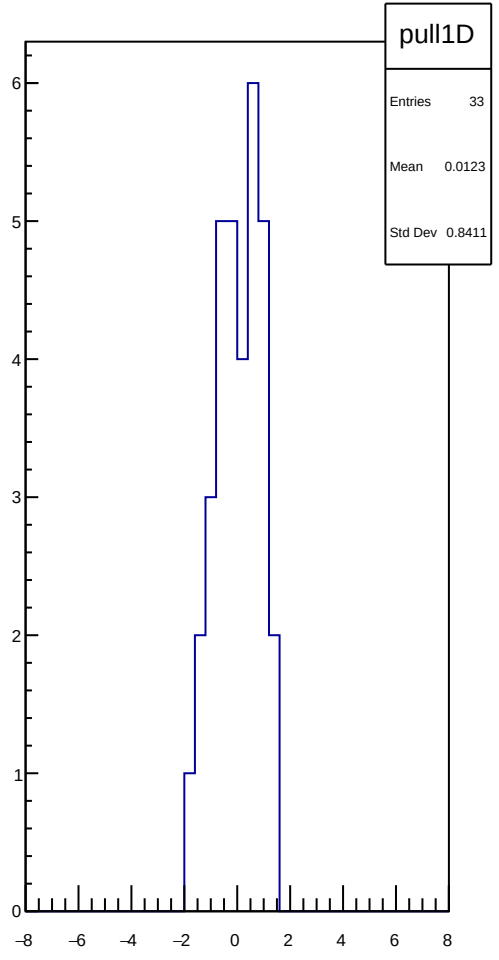

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.589 / 32
p0 37.69 ± 16.62
200
150
100
50
0
−50
−100
−150
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 237.1
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.001536
Std Dev 0.2801
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

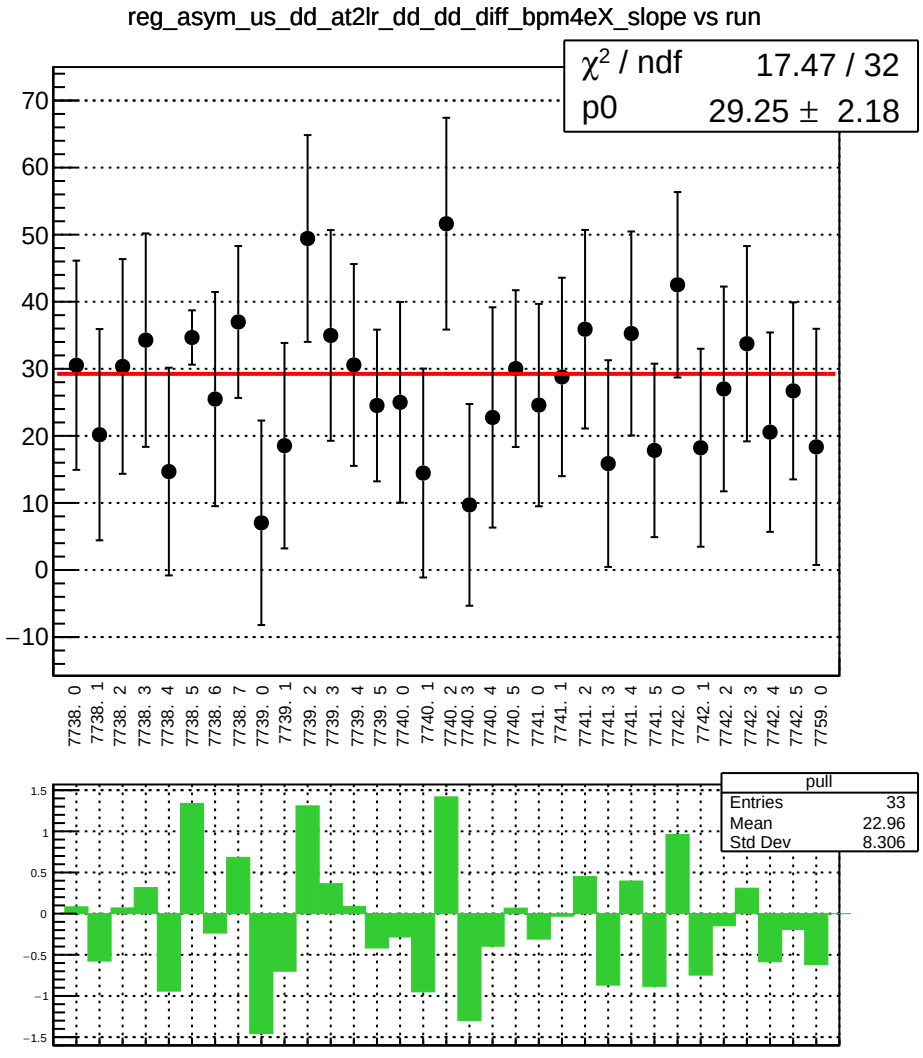

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 94.11 / 32
p0 19.35 ± 0.5464
35
30
25
20
15
10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 0.7617
Std Dev 0
8
6
4
2
0
pull1D
Entries 33
Mean −0.5235
Std Dev 0.436
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

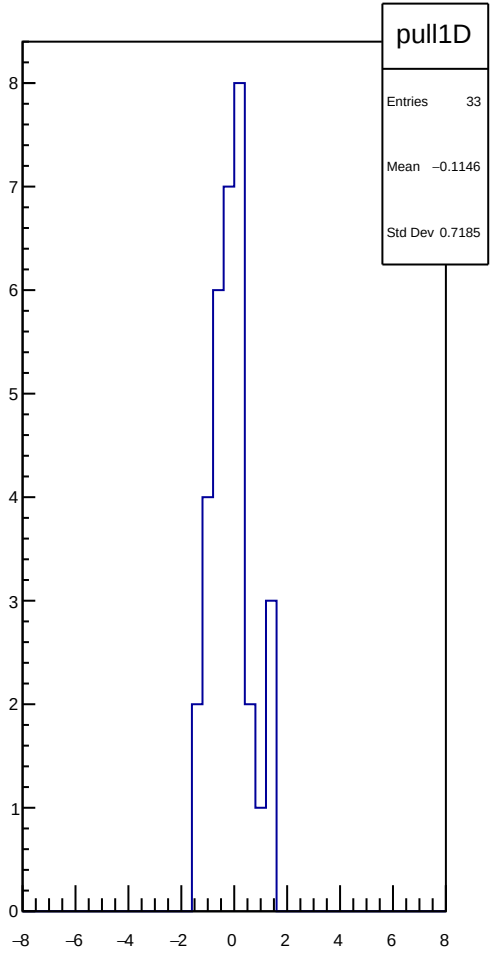

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 18.52 / 32
p0 −4.47 ± 2.22
pull
Entries 33
Mean 25.27
Std Dev 5.114

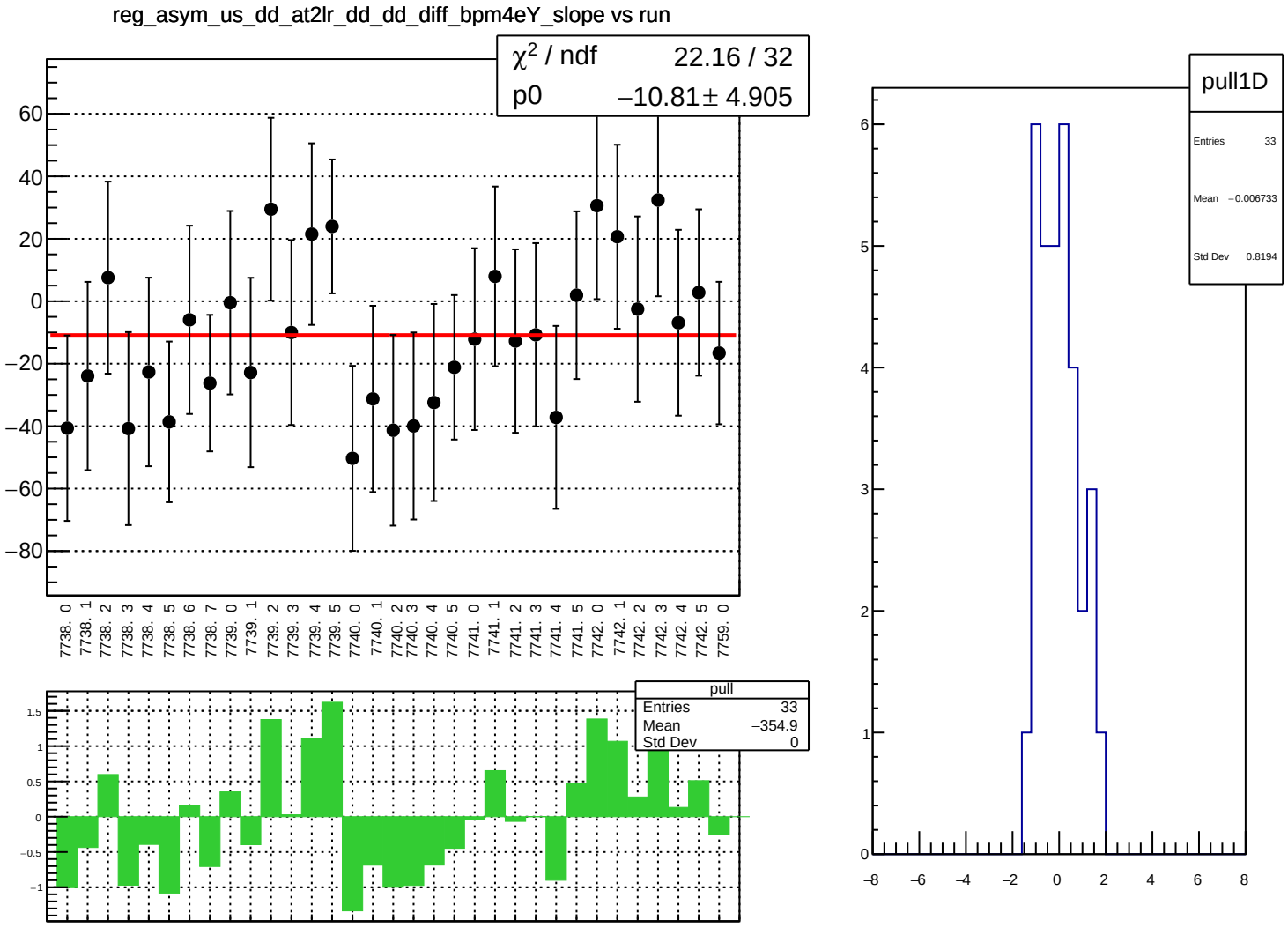

pull1D
Entries 33
Mean 0.1128
Std Dev 0.7407

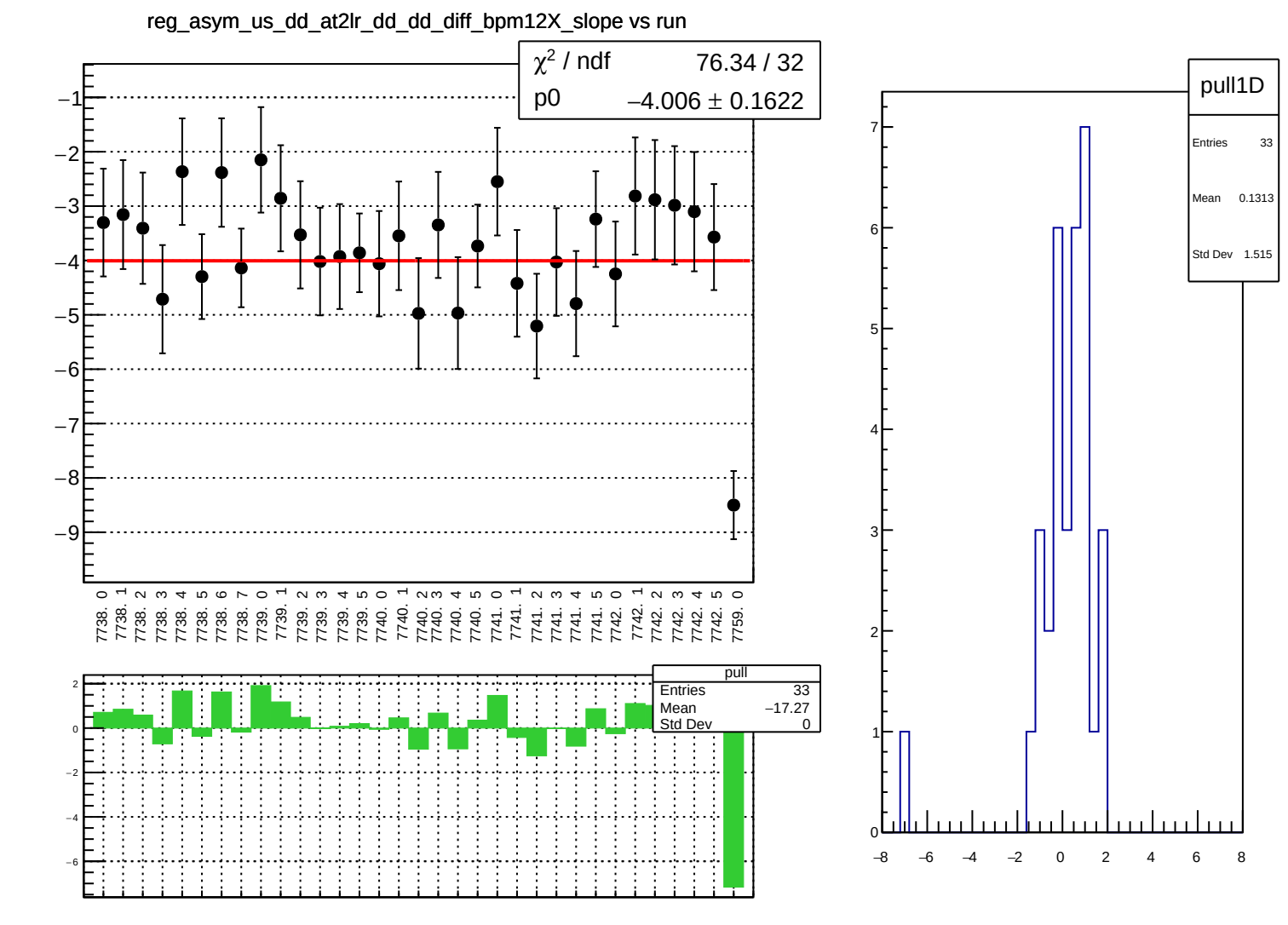

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.35 / 32
p0 1.688 ± 2.675
pull
Entries 33
Mean −153.7
Std Dev 0

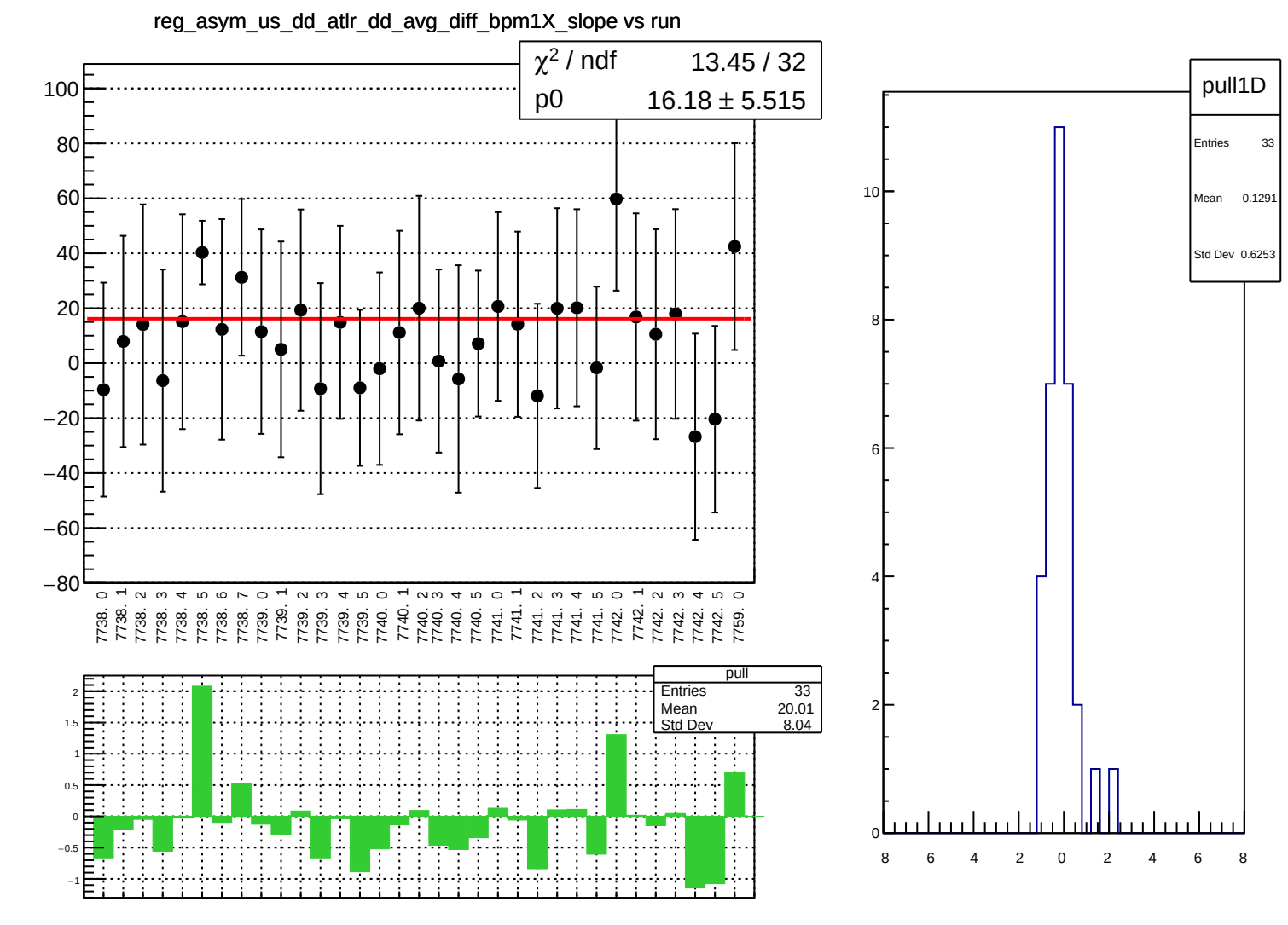

pull1D
Entries 33
Mean 0.0123
Std Dev 0.8411

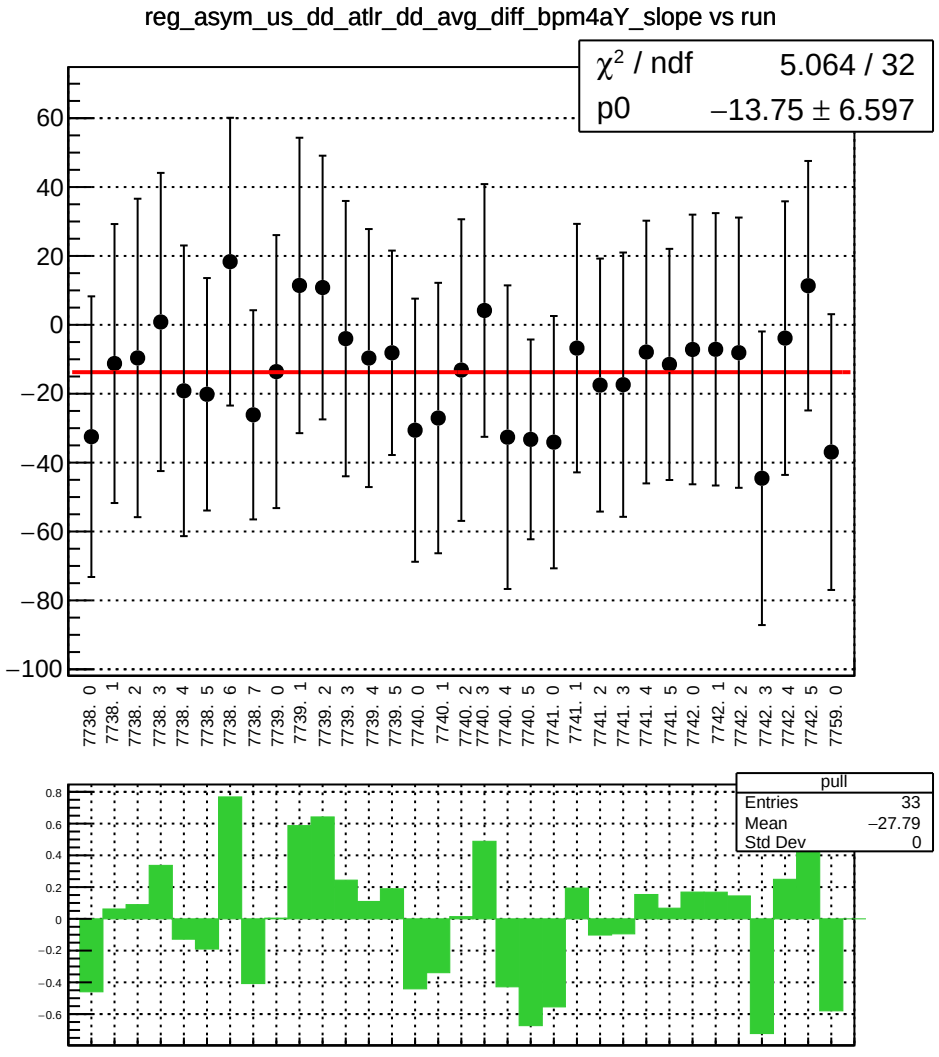

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.47 / 32
p0 29.25 ± 2.18
pull
Entries 33
Mean 22.96
Std Dev 8.306

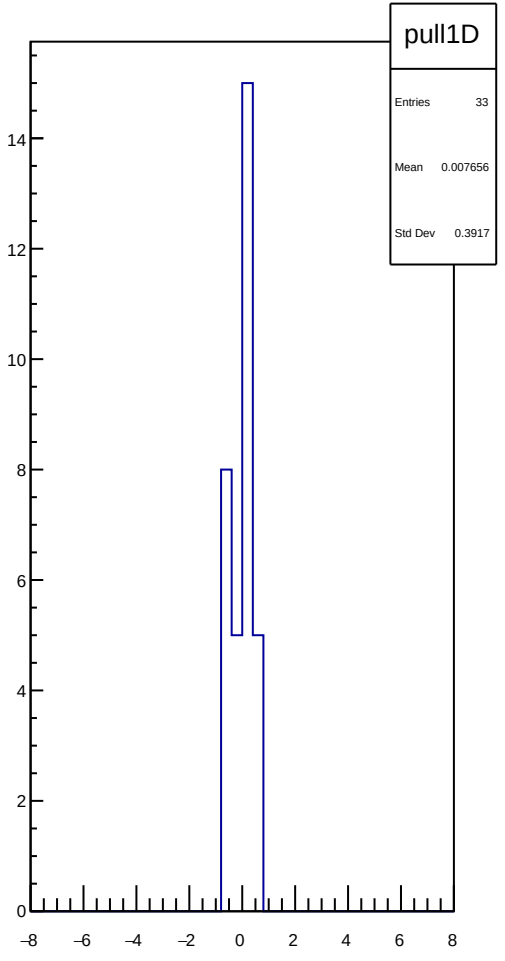

pull1D
Entries 33
Mean −0.1146
Std Dev 0.7185

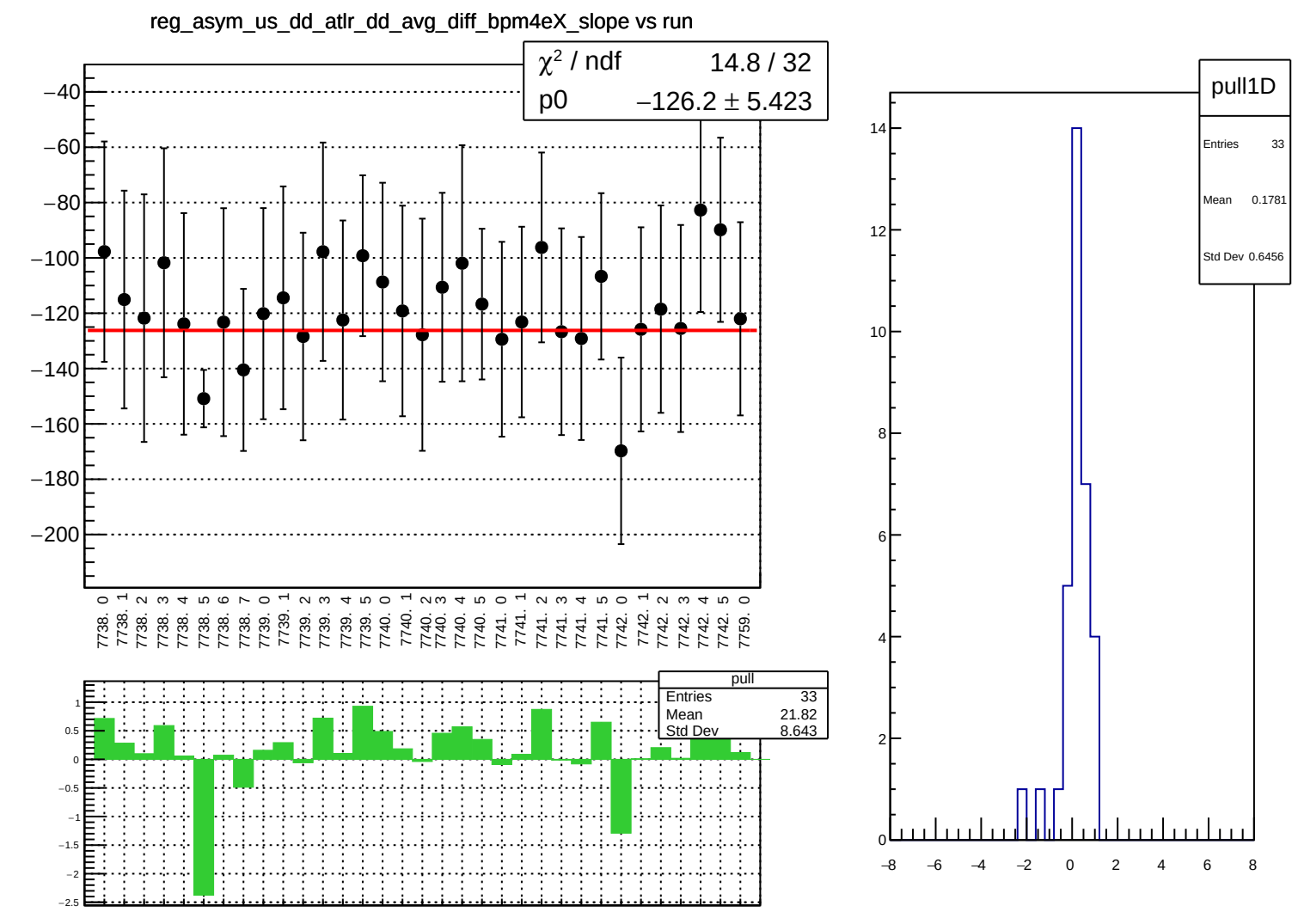

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.16 / 32
p0 −10.81 ± 4.905
60
40
20
0
−20
−40
−60
−80
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −354.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.006733
Std Dev 0.8194
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

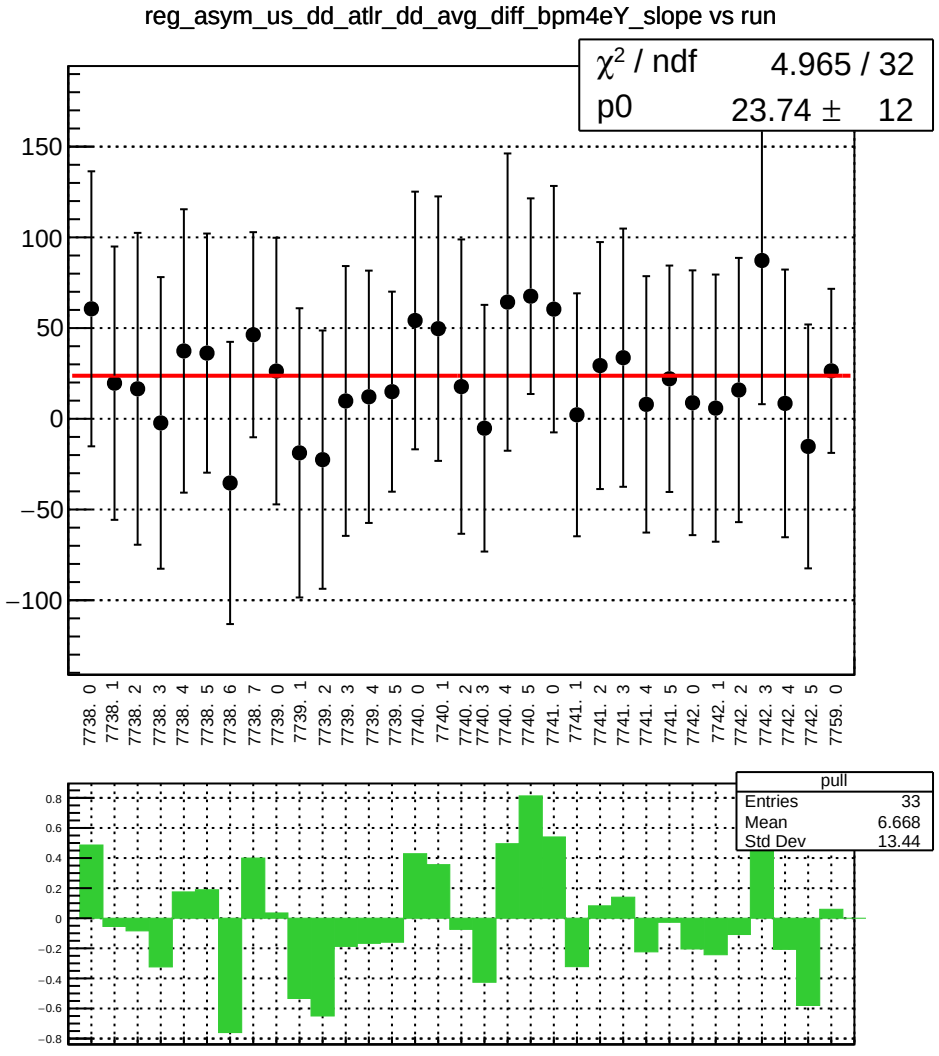

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 76.34 / 32
p0 −4.006 ± 0.1622
pull
Entries 33
Mean −17.27
Std Dev 0
pull1D
Entries 33
Mean 0.1313
Std Dev 1.515

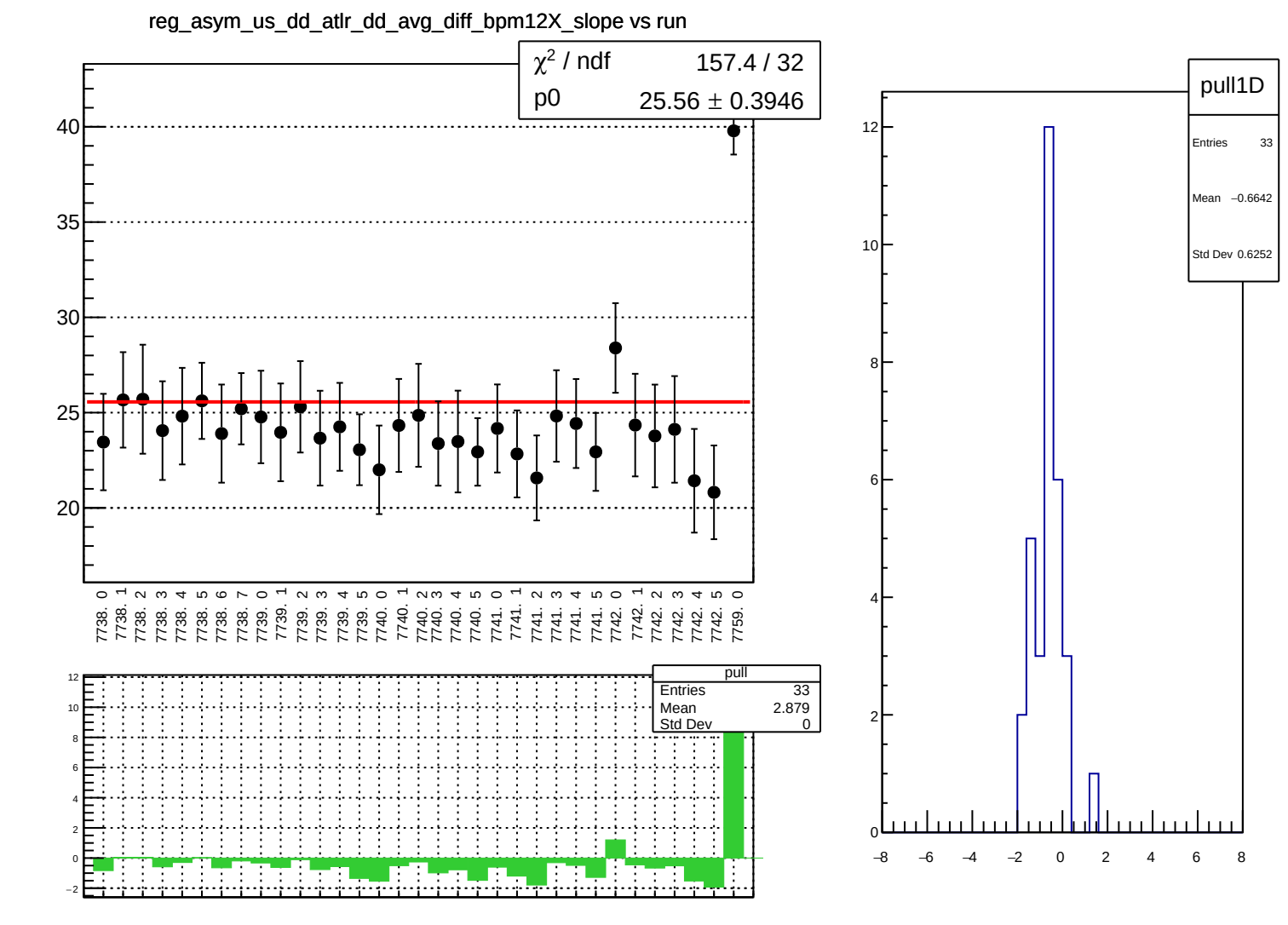

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 13.45 / 32
p0 16.18 ± 5.515
pull
Entries 33
Mean 20.01
Std Dev 8.04
pull1D
Entries 33
Mean −0.1291
Std Dev 0.6253

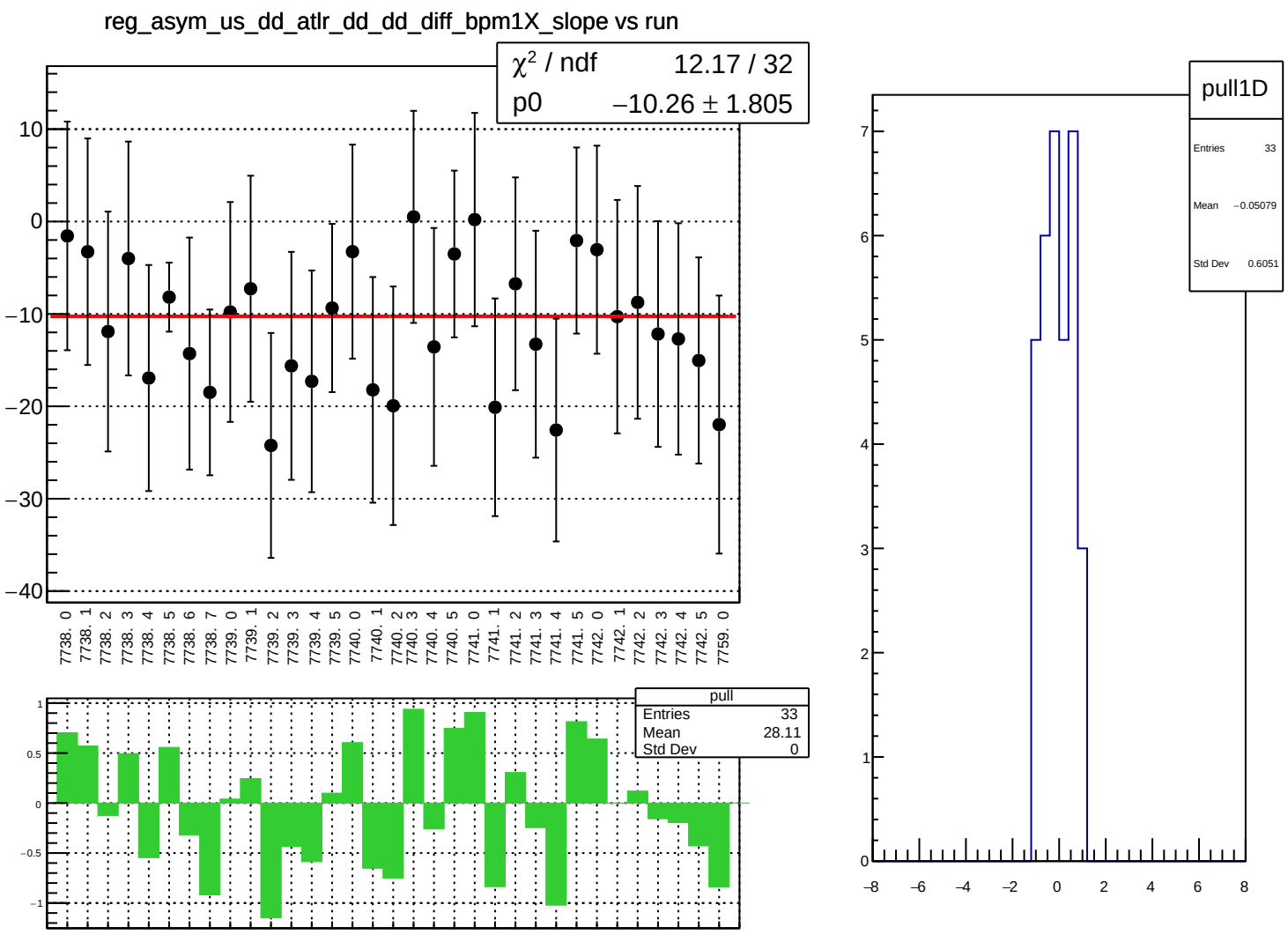

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.064 / 32
p0 −13.75 ± 6.597
60
40
20
0
−20
−40
−60
−80
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −27.79
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

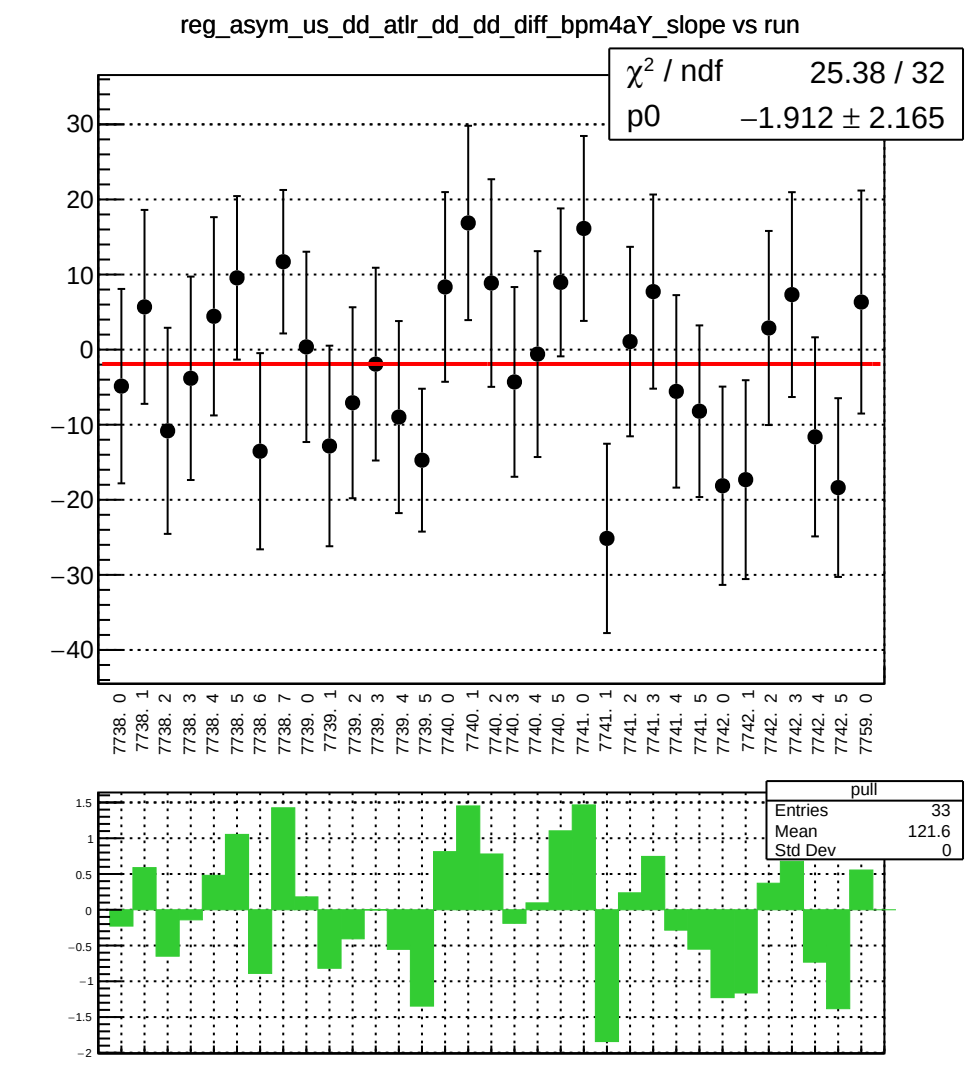

pull1D
Entries 33
Mean 0.007656
Std Dev 0.3917
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

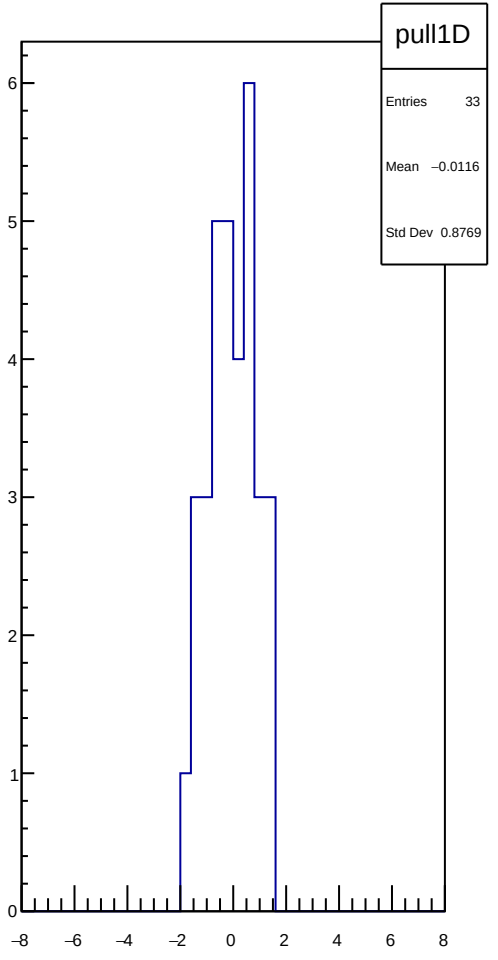

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.8 / 32
p0 −126.2 ± 5.423
−40
−60
−80
−100
−120
−140
−160
−180
−200
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 21.82
Std Dev 8.643
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean 0.1781
Std Dev 0.6456
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

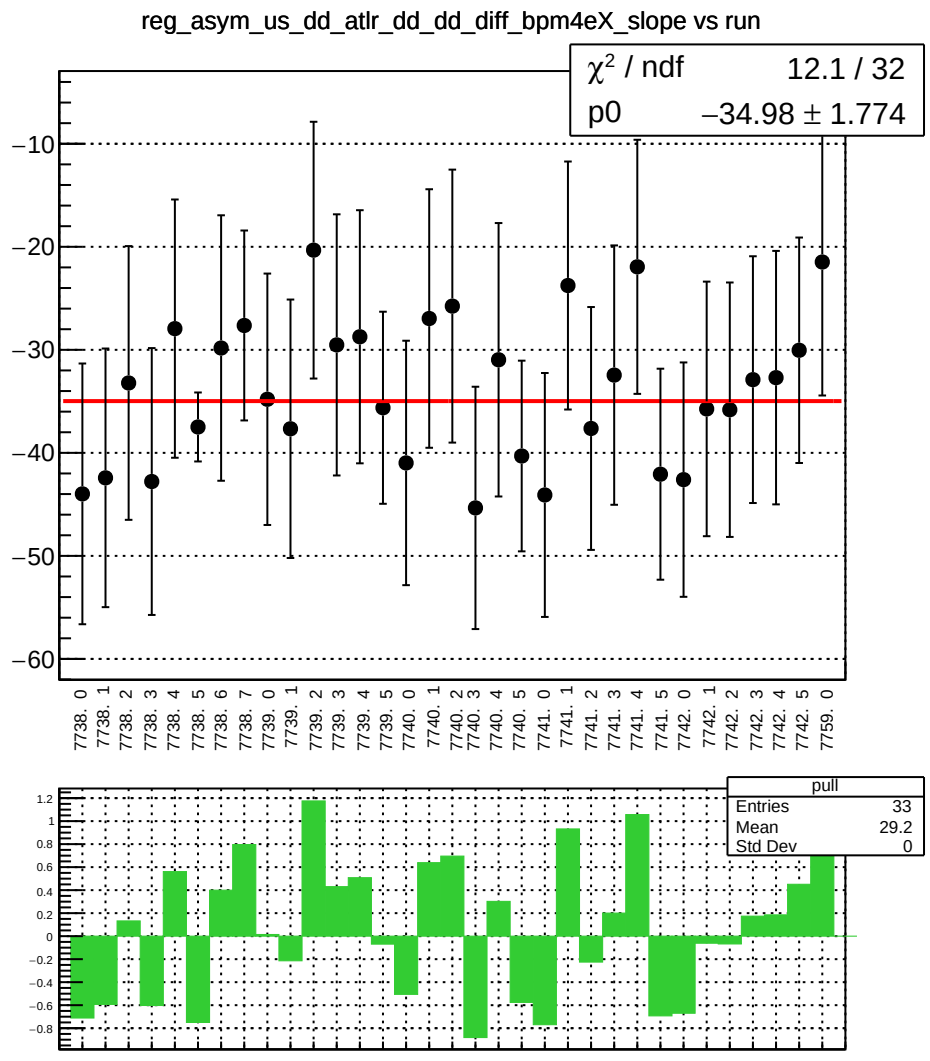

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.965 / 32
p0 23.74 ± 12
150
100
50
0
−50
−100
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 6.668
Std Dev 13.44
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 33
Mean −0.009961
Std Dev 0.3878
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

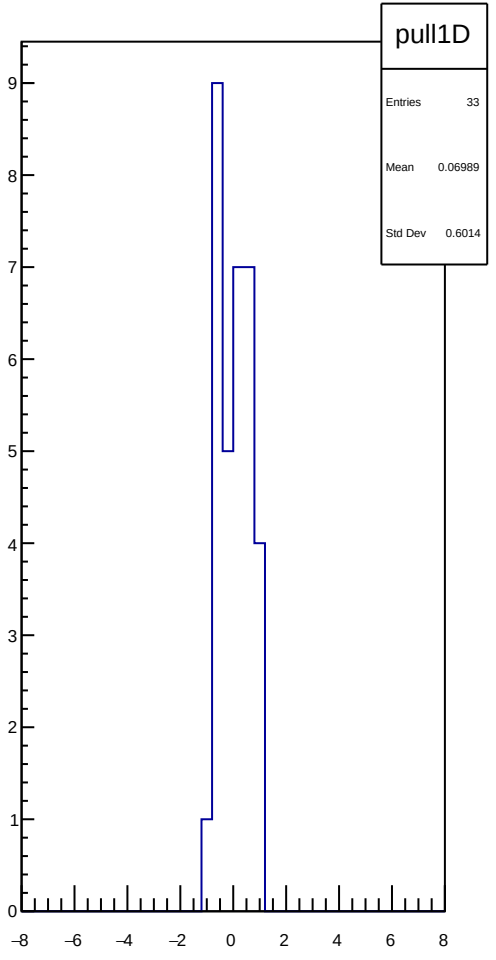

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 157.4 / 32
p0 25.56 ± 0.3946
40
35
30
25
20
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 2.879
Std Dev 0
12
10
8
6
4
2
0
−2
pull1D
Entries 33
Mean −0.6642
Std Dev 0.6252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

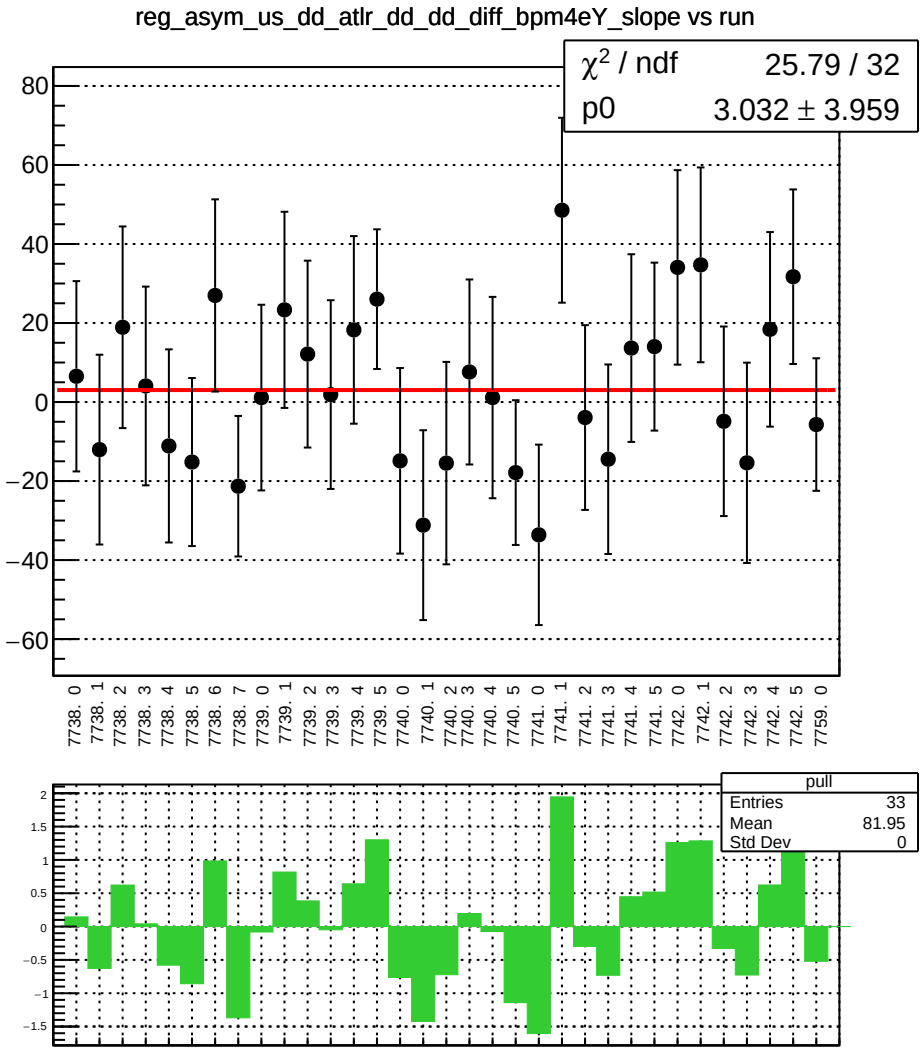

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 12.17 / 32
p0 −10.26 ± 1.805
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 28.11
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 33
Mean −0.05079
Std Dev 0.6051
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

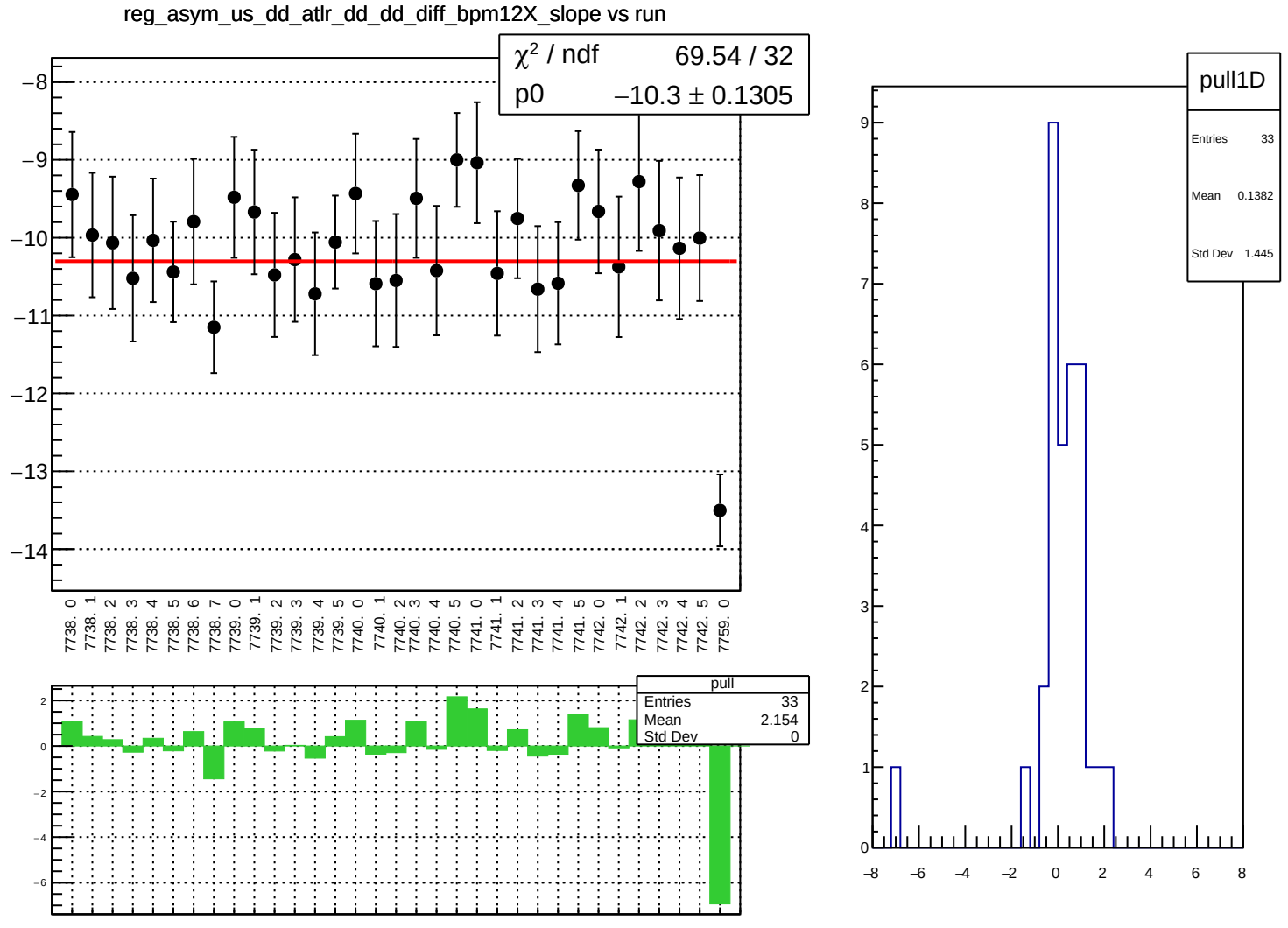

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.38 / 32
p0 −1.912 ± 2.165
30
20
10
0
−10
−20
−30
−40
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 121.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

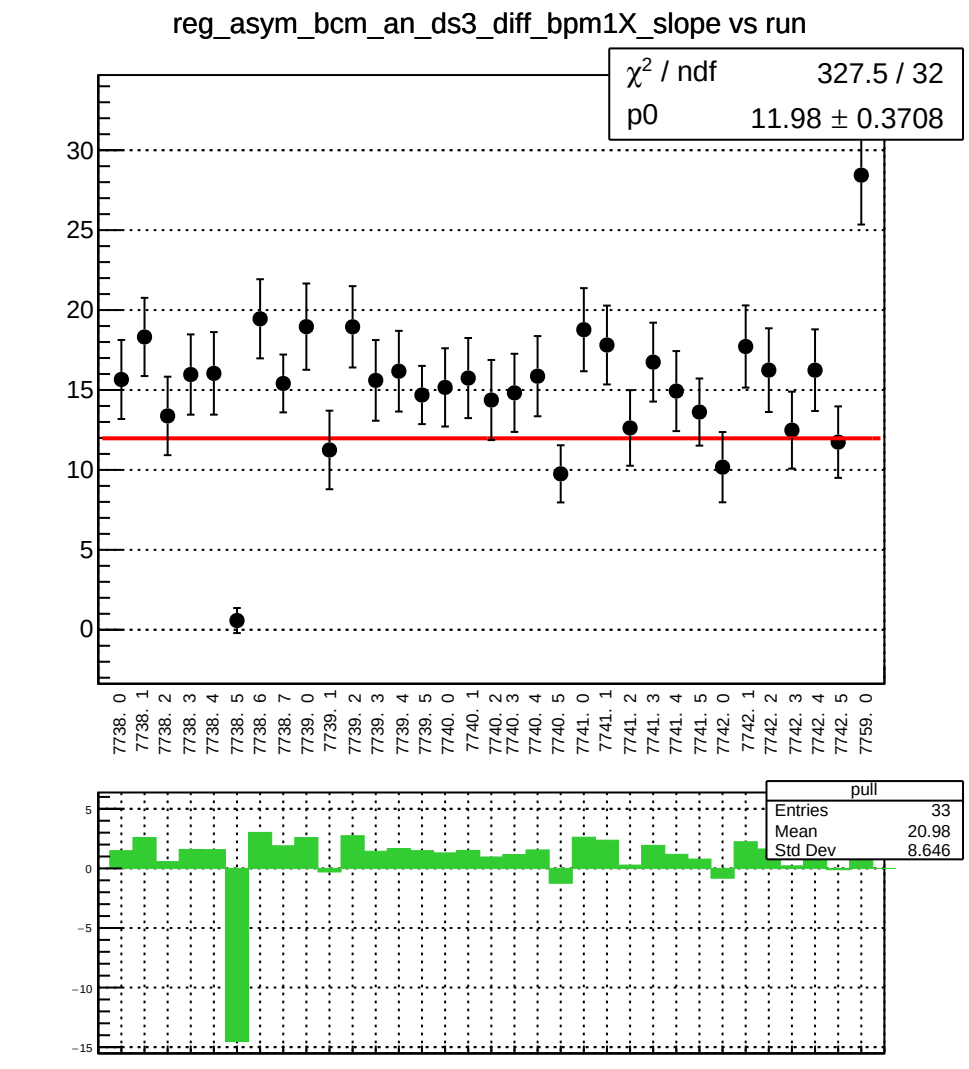

pull1D
Entries 33
Mean −0.0116
Std Dev 0.8769
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

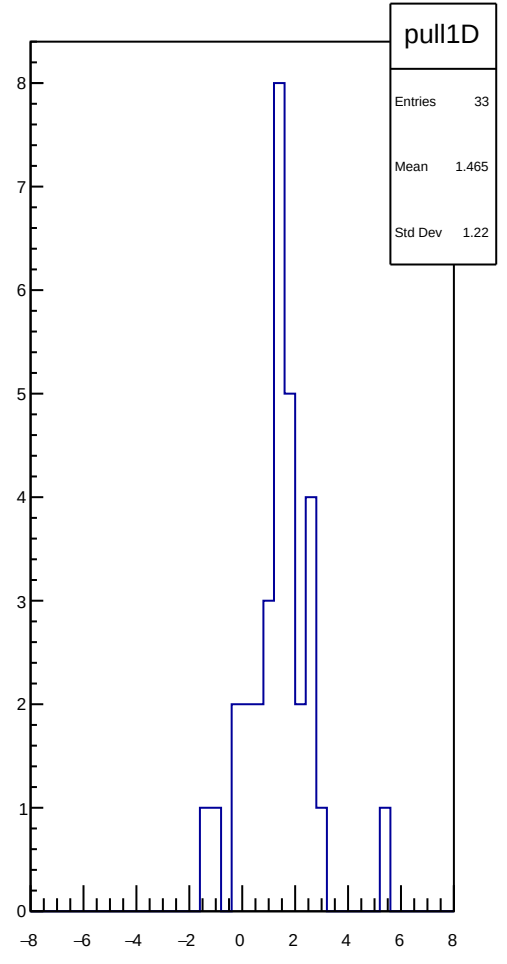

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.1 / 32
p0 −34.98 ± 1.774
−10
−20
−30
−40
−50
−60
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 29.2
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

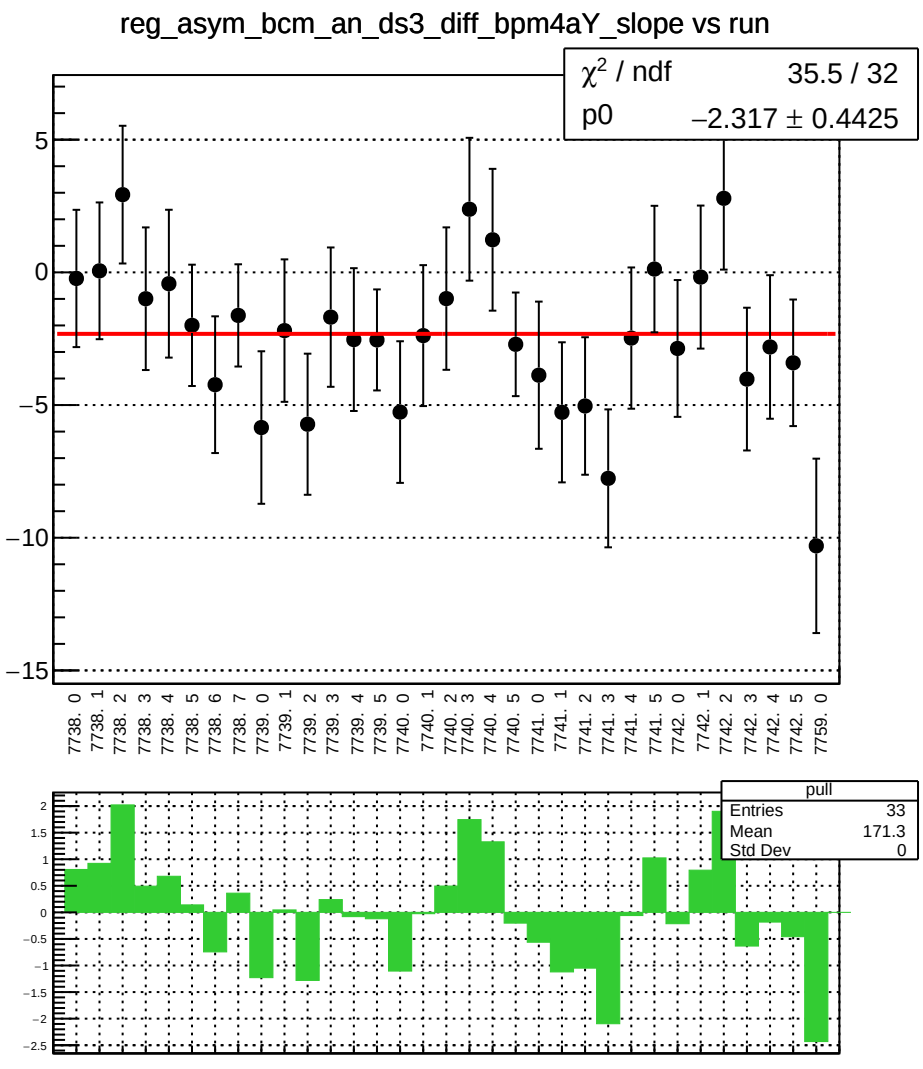

pull1D
Entries 33
Mean 0.06989
Std Dev 0.6014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

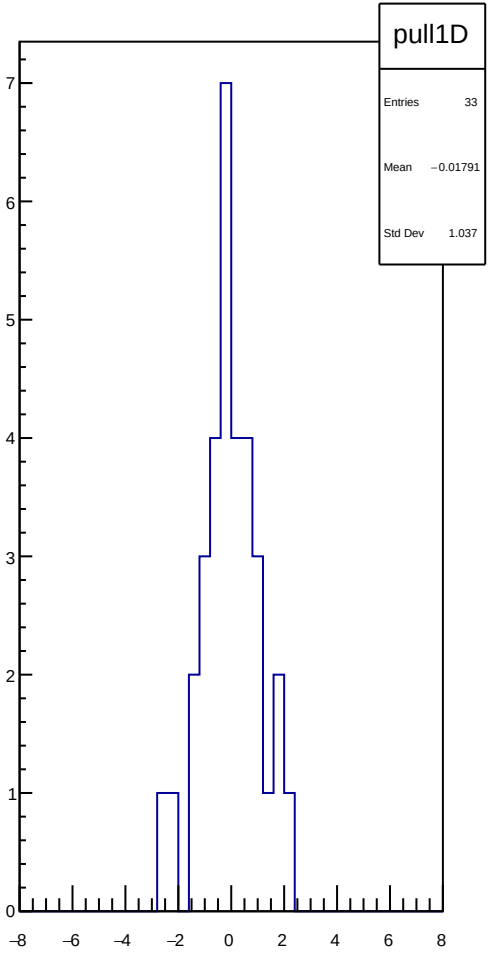

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.79 / 32
p0 3.032 ± 3.959
pull
Entries 33
Mean 81.95
Std Dev 0
pull1D
Entries 33
Mean 0.01876
Std Dev 0.8839

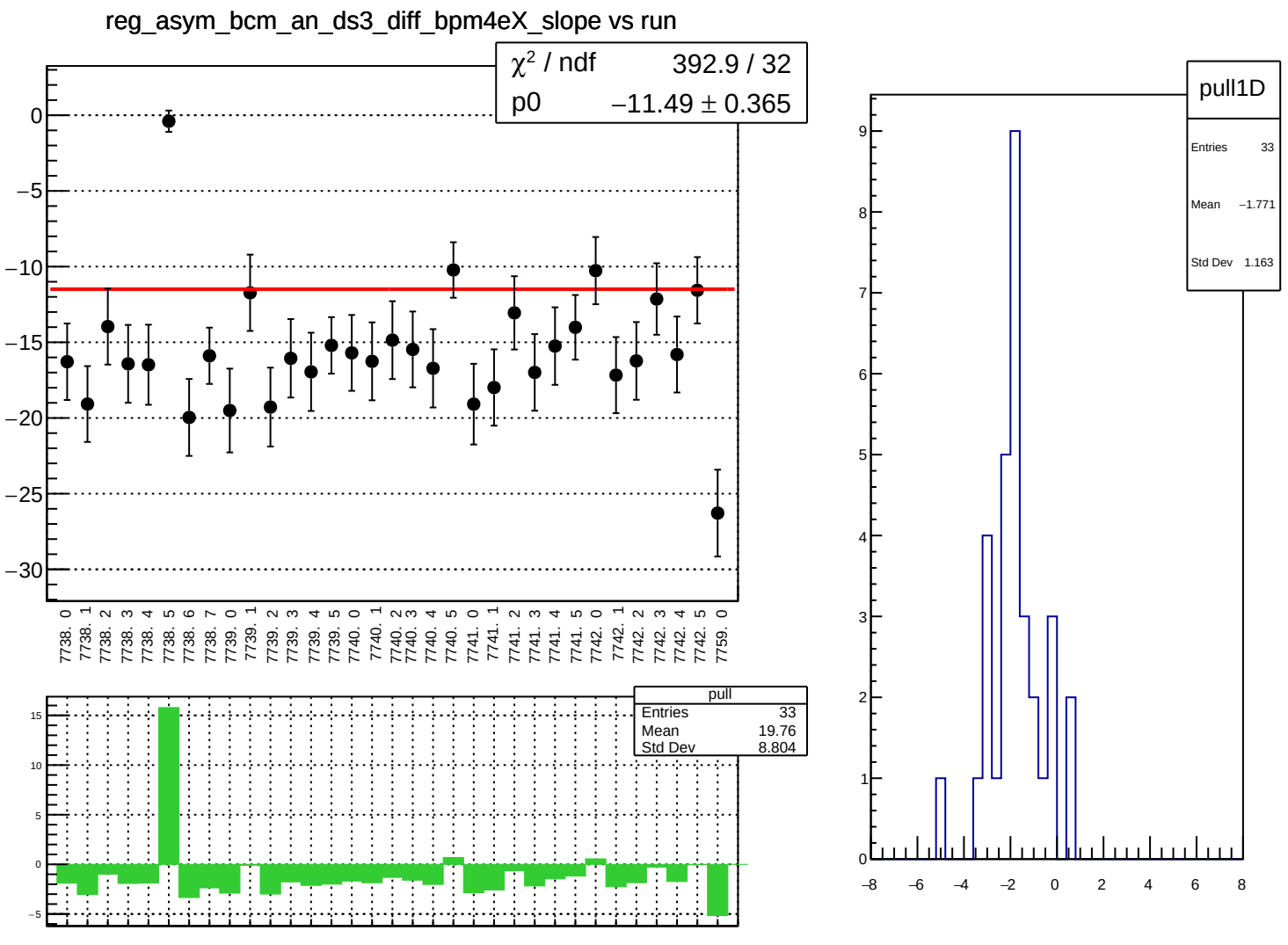

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 69.54 / 32
p0 −10.3 ± 0.1305
−8
−9
−10
−11
−12
−13
−14
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −2.154
Std Dev 0
2
0
−2
−4
−6
pull1D
Entries 33
Mean 0.1382
Std Dev 1.445
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

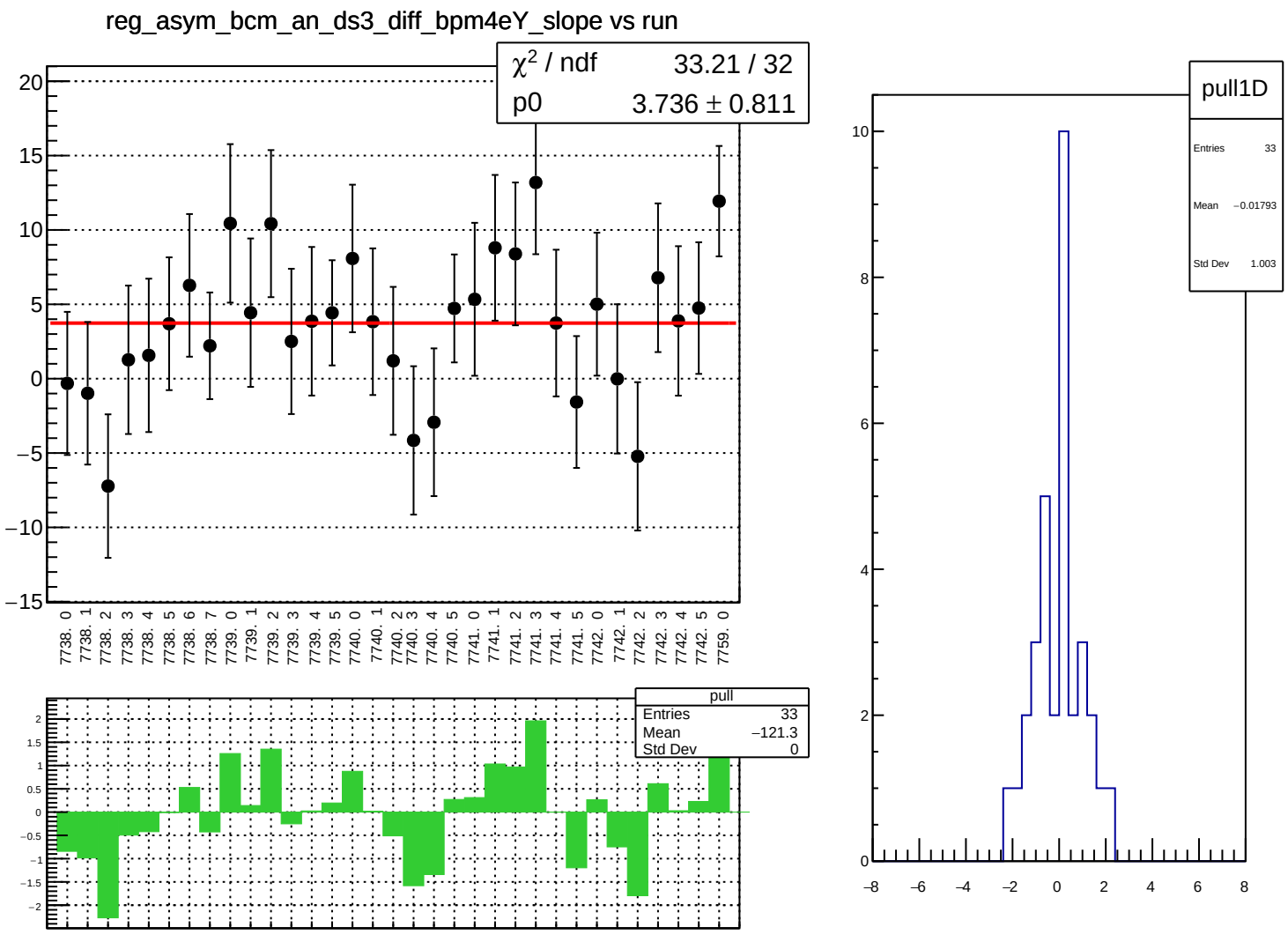

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 327.5 / 32
p0 11.98 ± 0.3708
30
25
20
15
10
5
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.98
Std Dev 8.646
5
0
−5
−10
−15

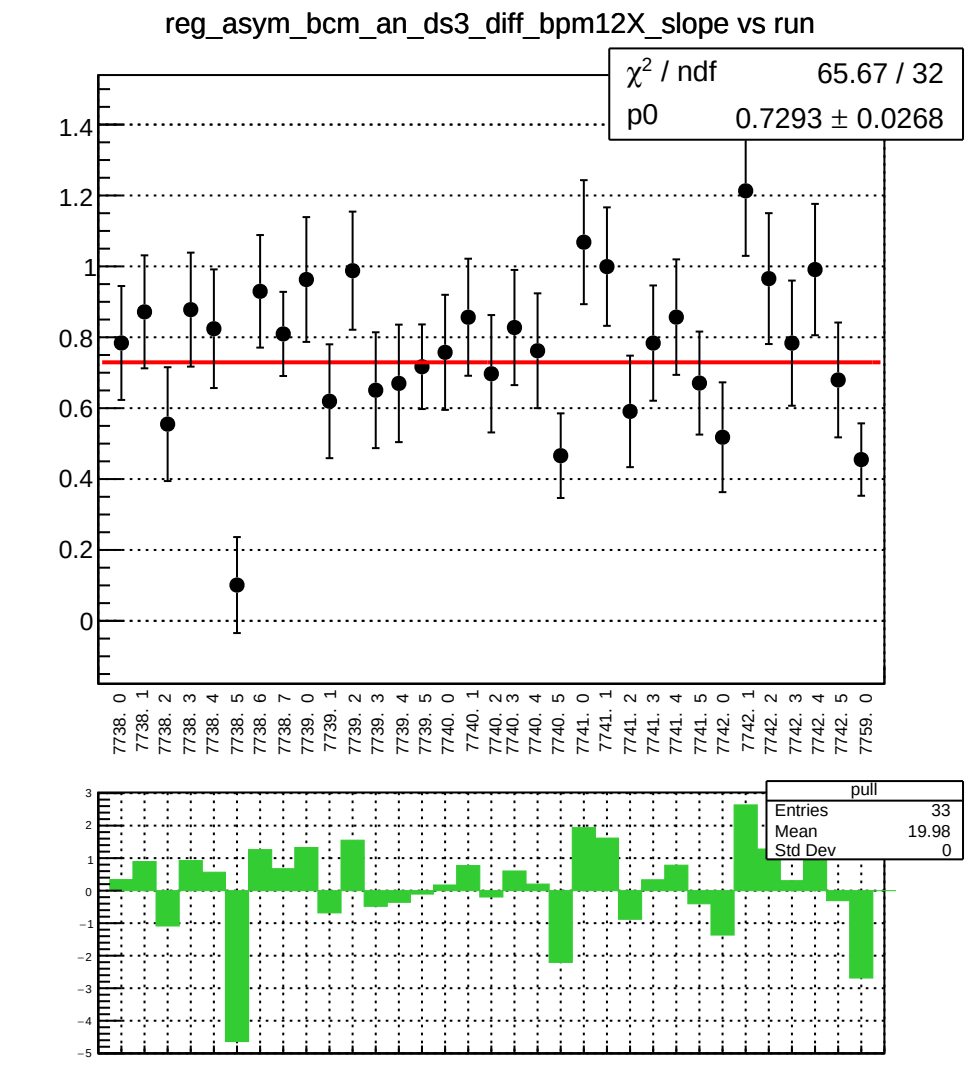

pull1D
Entries 33
Mean 1.465
Std Dev 1.22
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

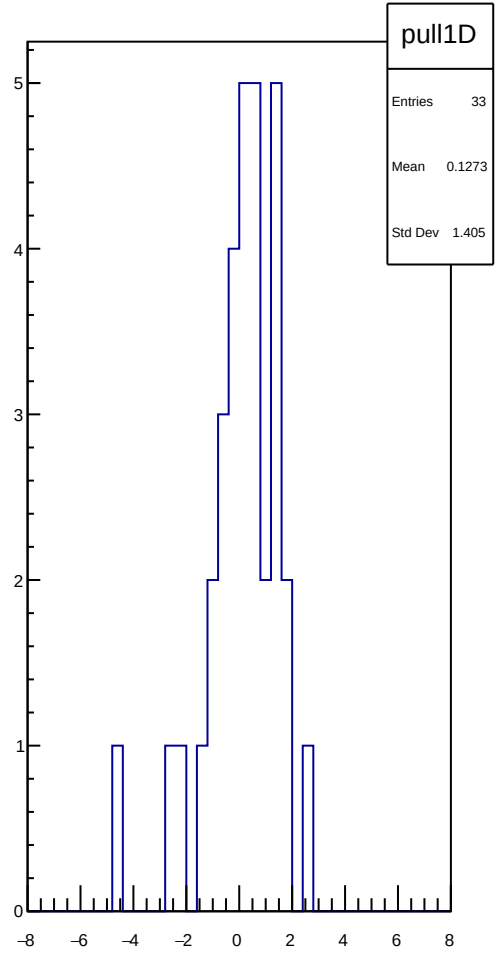

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 35.5 / 32
p0 −2.317 ± 0.4425
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 171.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

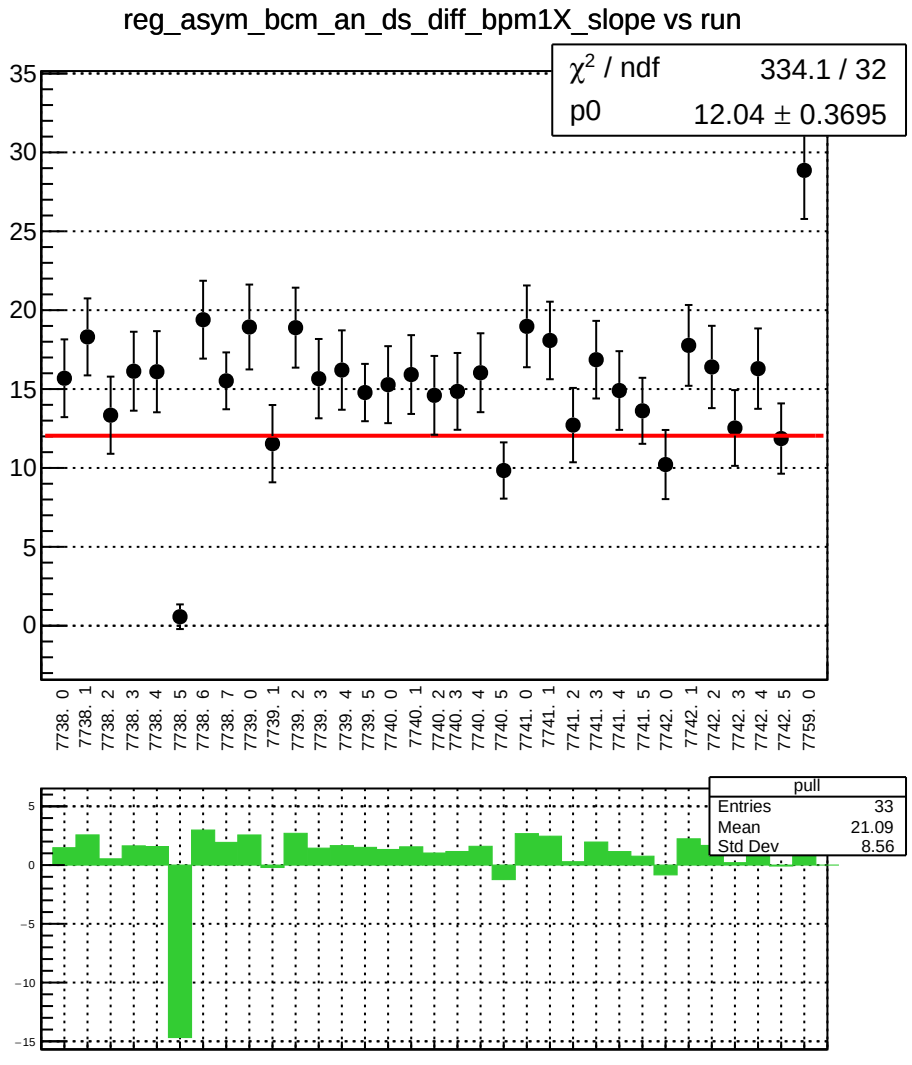

pull1D
Entries 33
Mean −0.01791
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

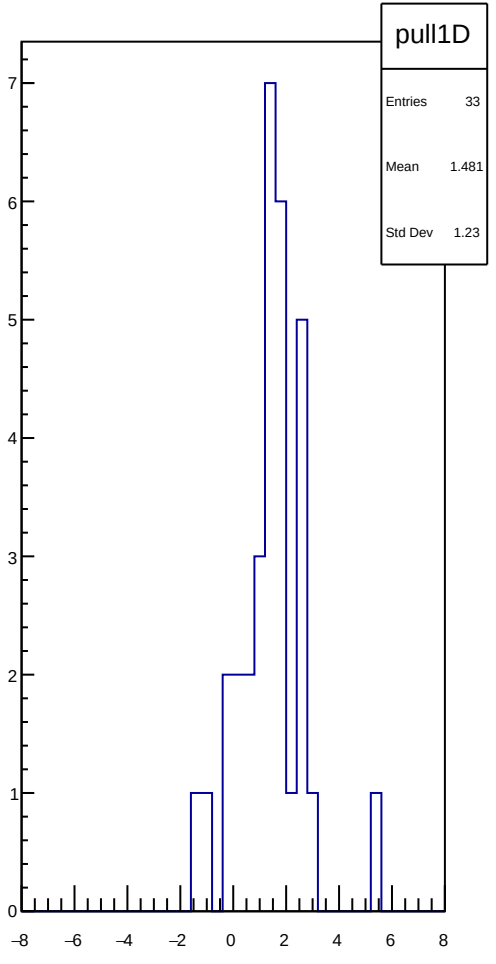

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 392.9 / 32
p0 −11.49 ± 0.365
0
−5
−10
−15
−20
−25
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.76
Std Dev 8.804
15
10
5
0
−5
pull1D
Entries 33
Mean −1.771
Std Dev 1.163
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

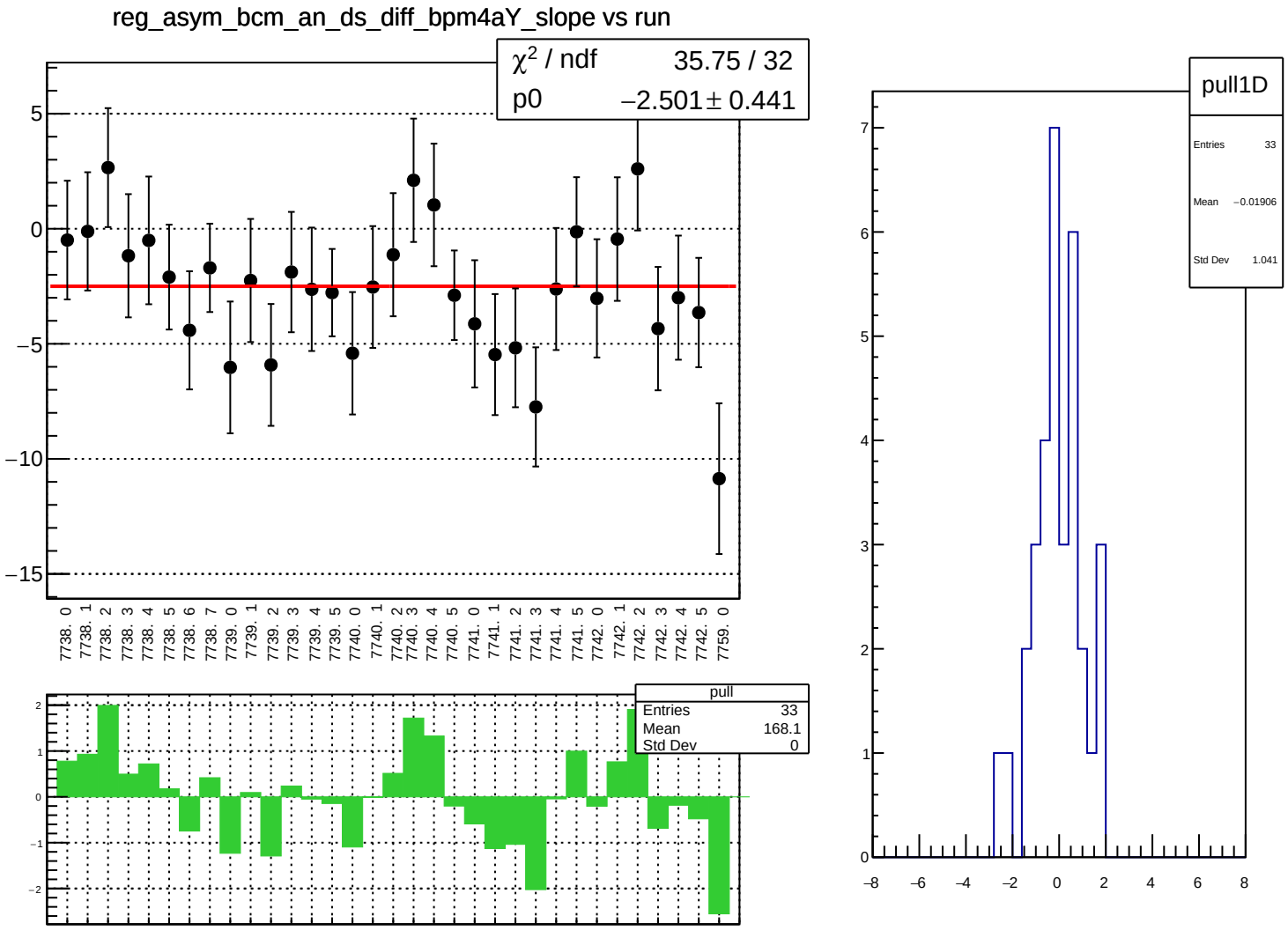

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 33.21 / 32
p0 3.736 ± 0.811
20
15
10
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −121.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01793
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

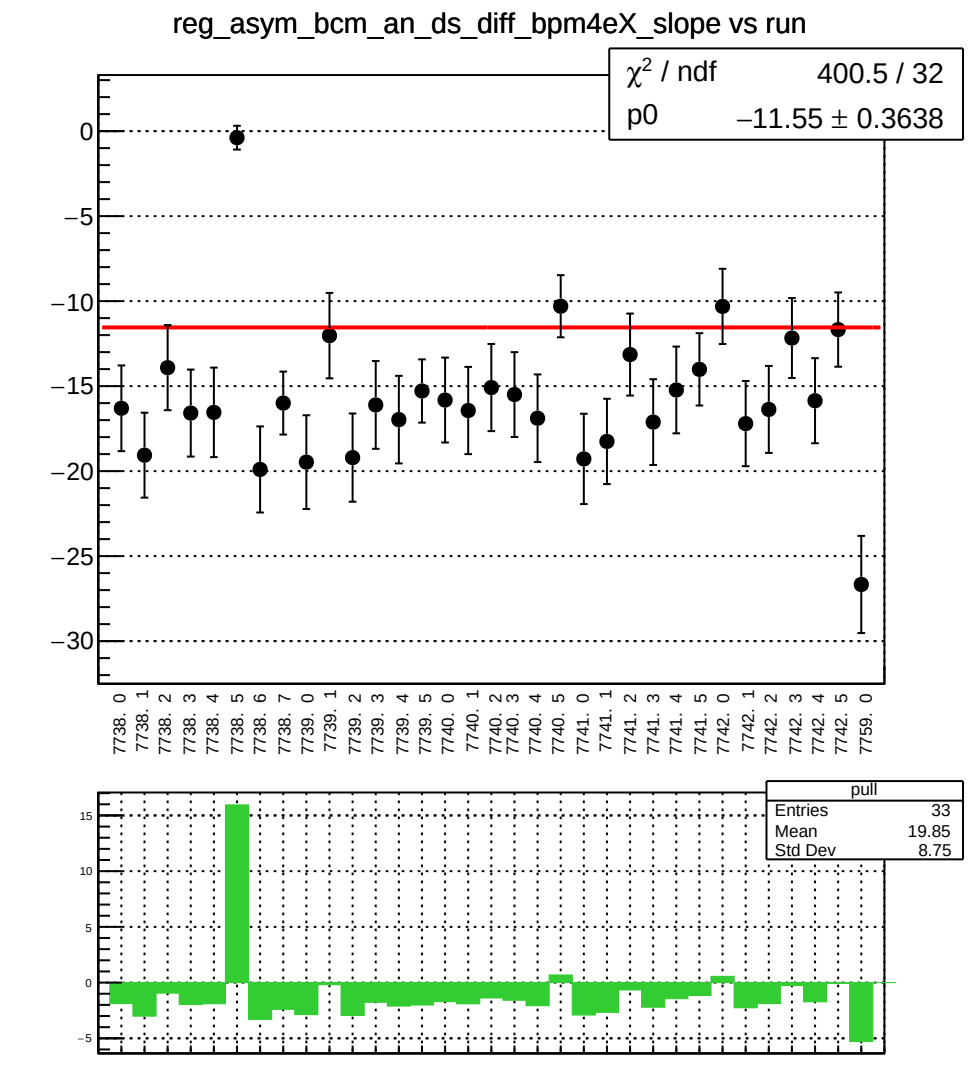

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 65.67 / 32
p0 0.7293 ± 0.0268
pull
Entries 33
Mean 19.98
Std Dev 0

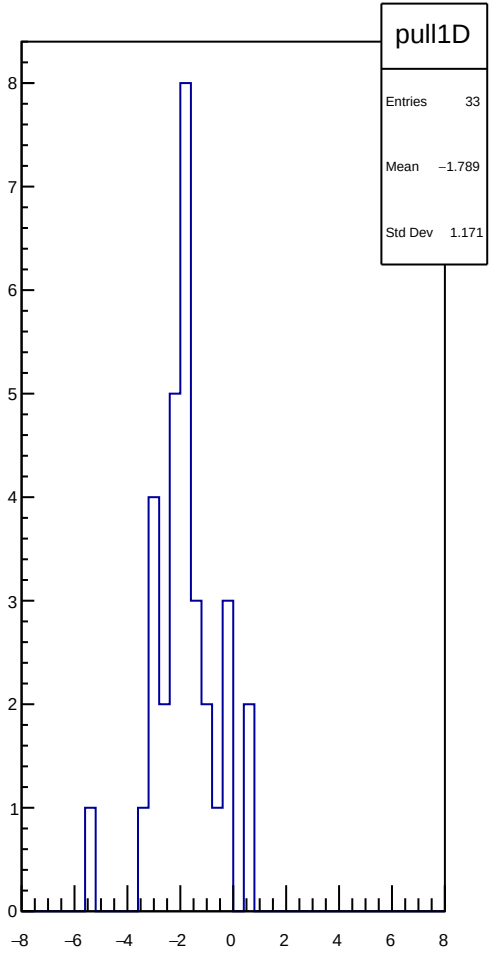

pull1D
Entries 33
Mean 0.1273
Std Dev 1.405

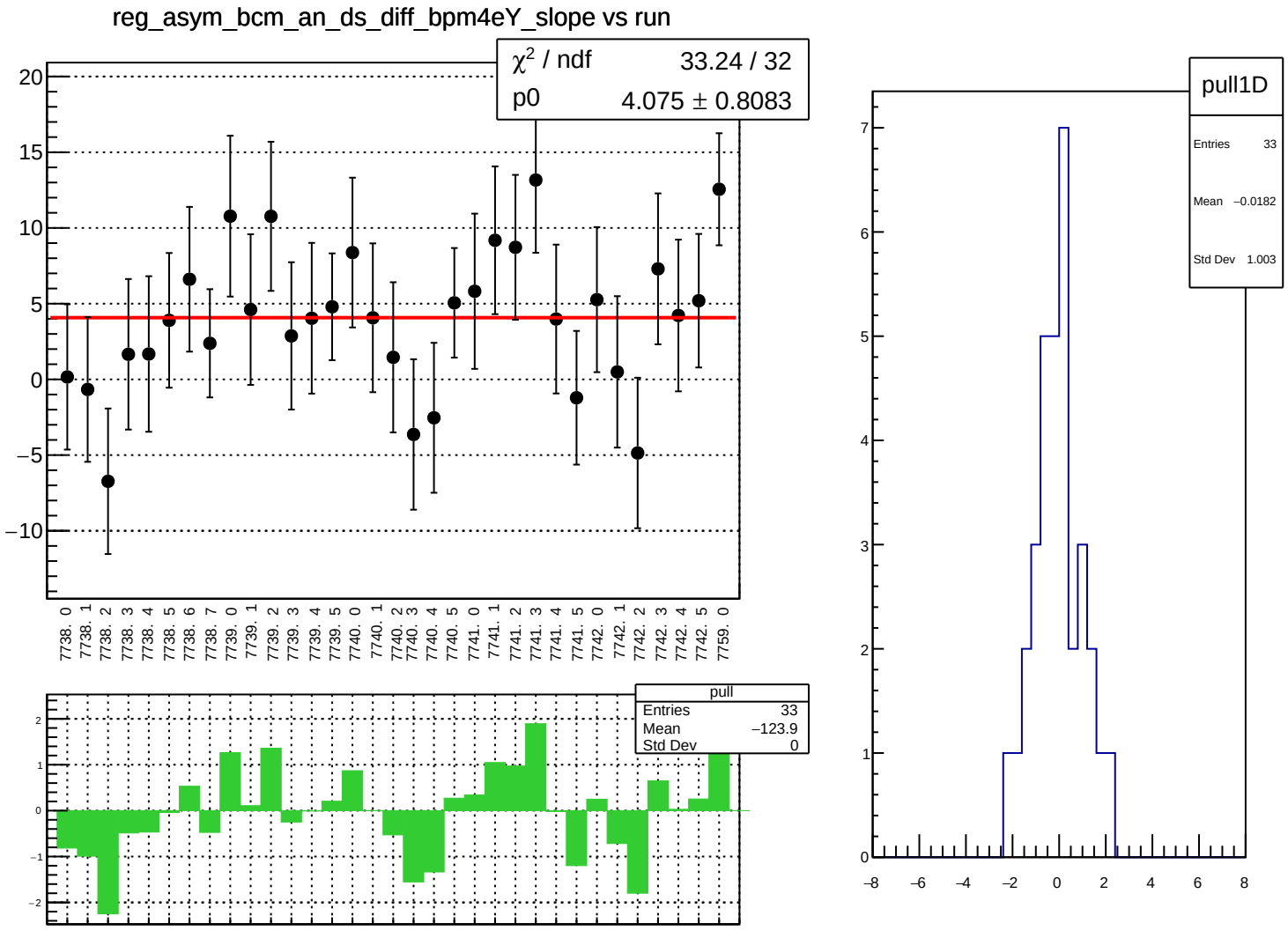

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 334.1 / 32
p0 12.04 ± 0.3695
pull
Entries 33
Mean 21.09
Std Dev 8.56

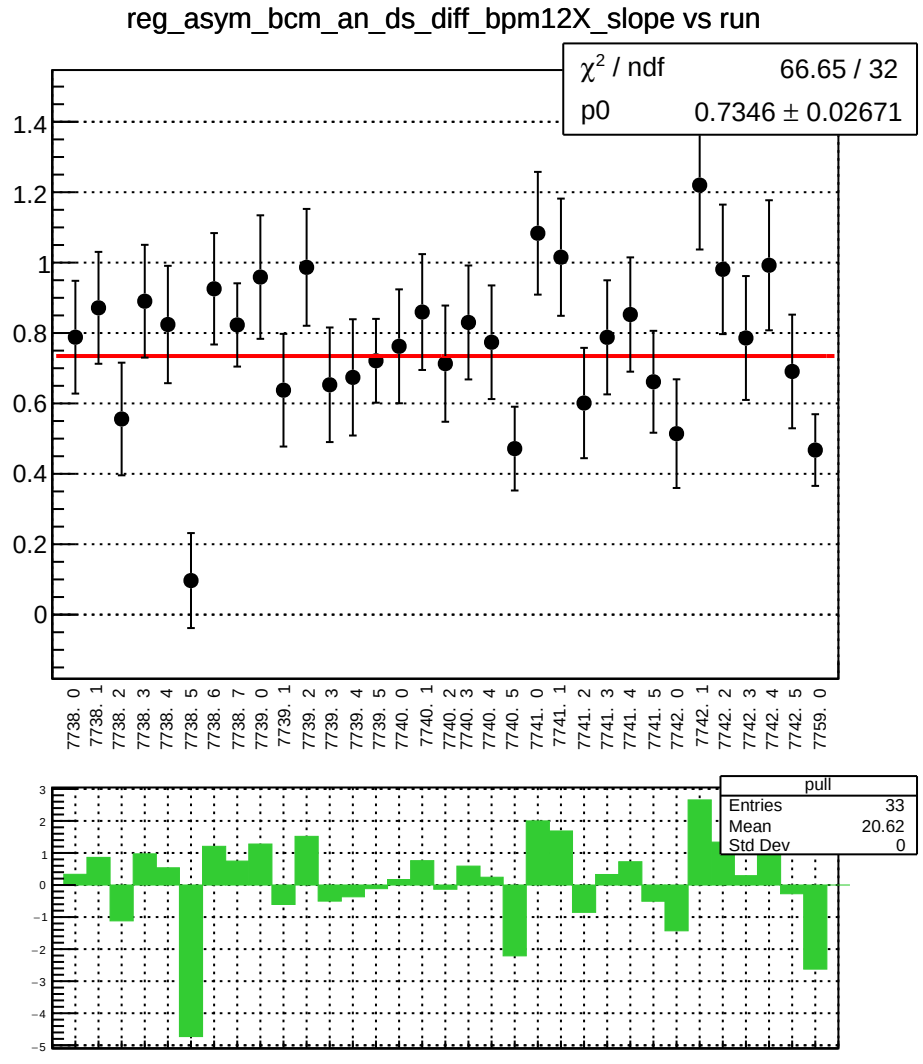

pull1D
Entries 33
Mean 1.481
Std Dev 1.23

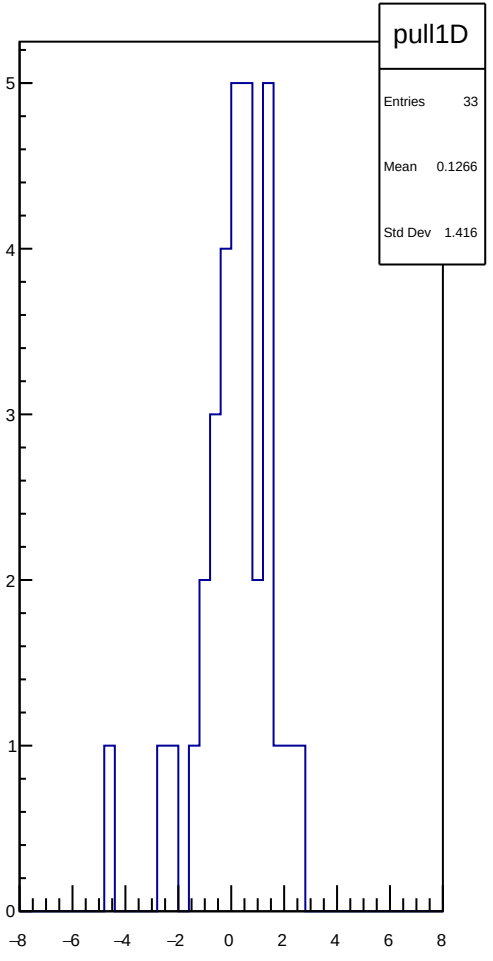

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 35.75 / 32
p0 −2.501 ± 0.441
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 168.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.01906
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

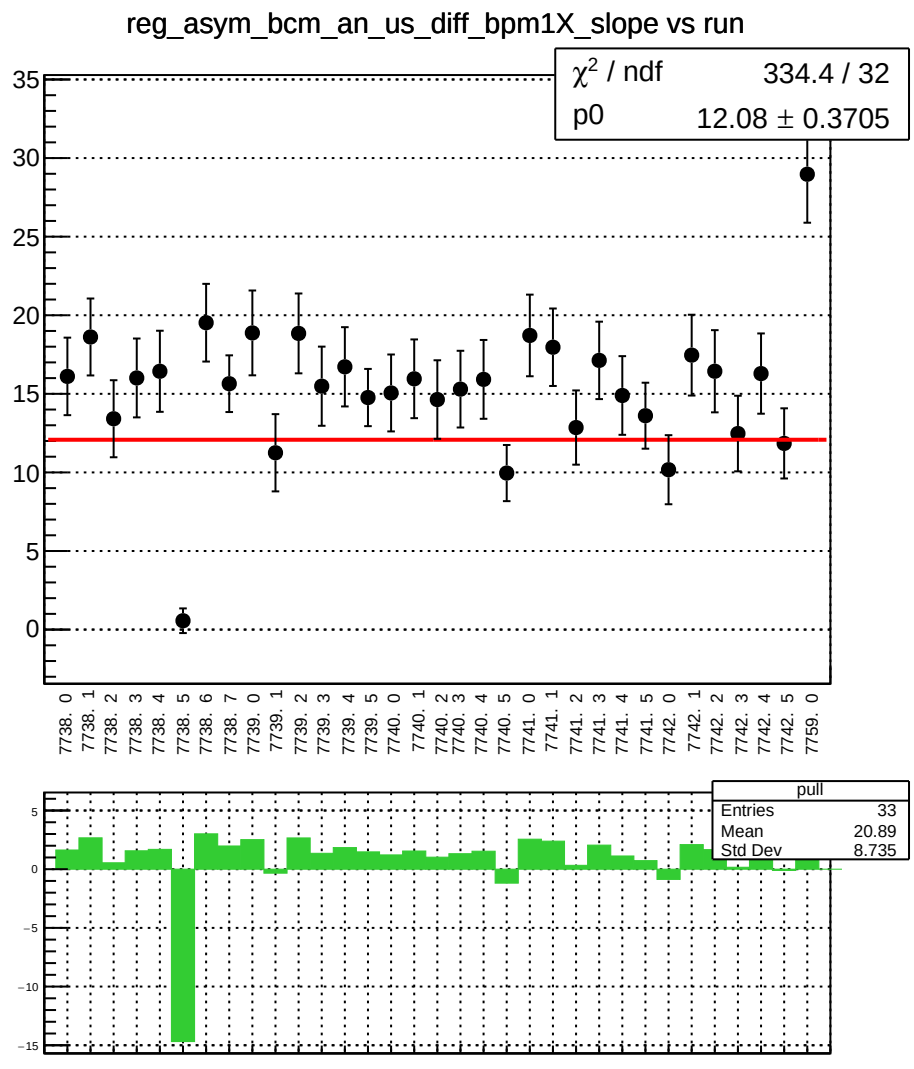

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 400.5 / 32
p0 −11.55 ± 0.3638
0
−5
−10
−15
−20
−25
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.85
Std Dev 8.75
15
10
5
0
−5

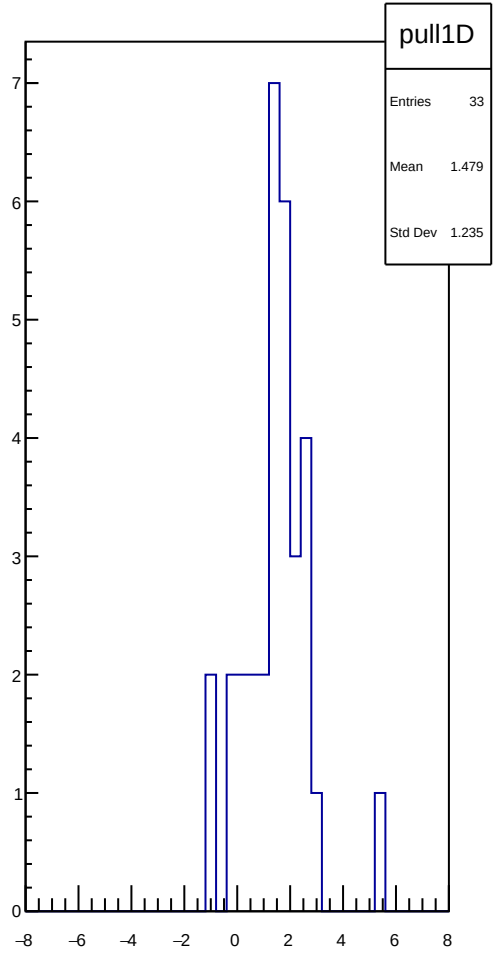

pull1D
Entries 33
Mean −1.789
Std Dev 1.171
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

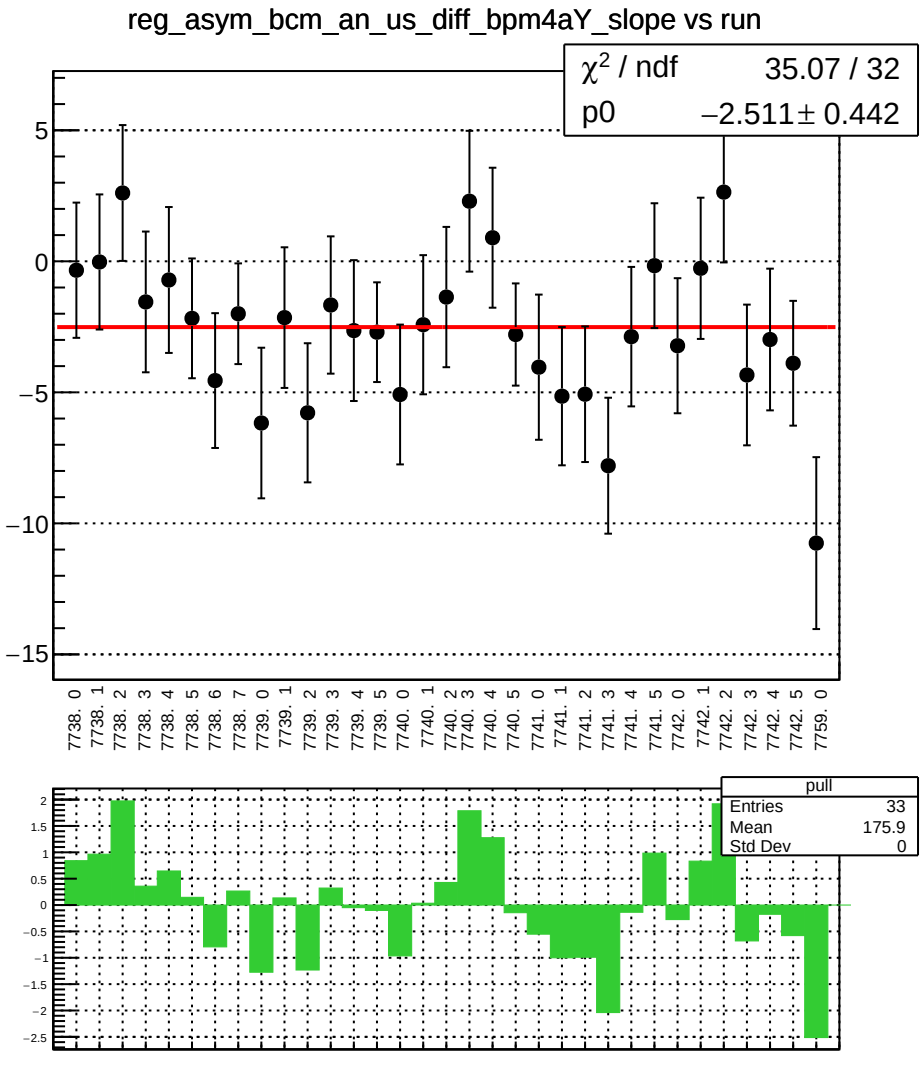

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 33.24 / 32
p0 4.075 ± 0.8083
20
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −123.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.0182
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

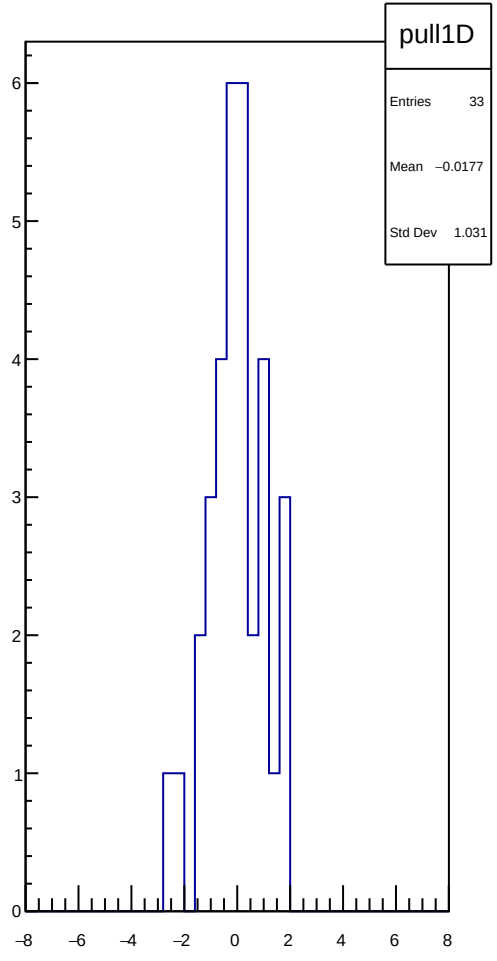

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 66.65 / 32
p0 0.7346 ± 0.02671
pull
Entries 33
Mean 20.62
Std Dev 0

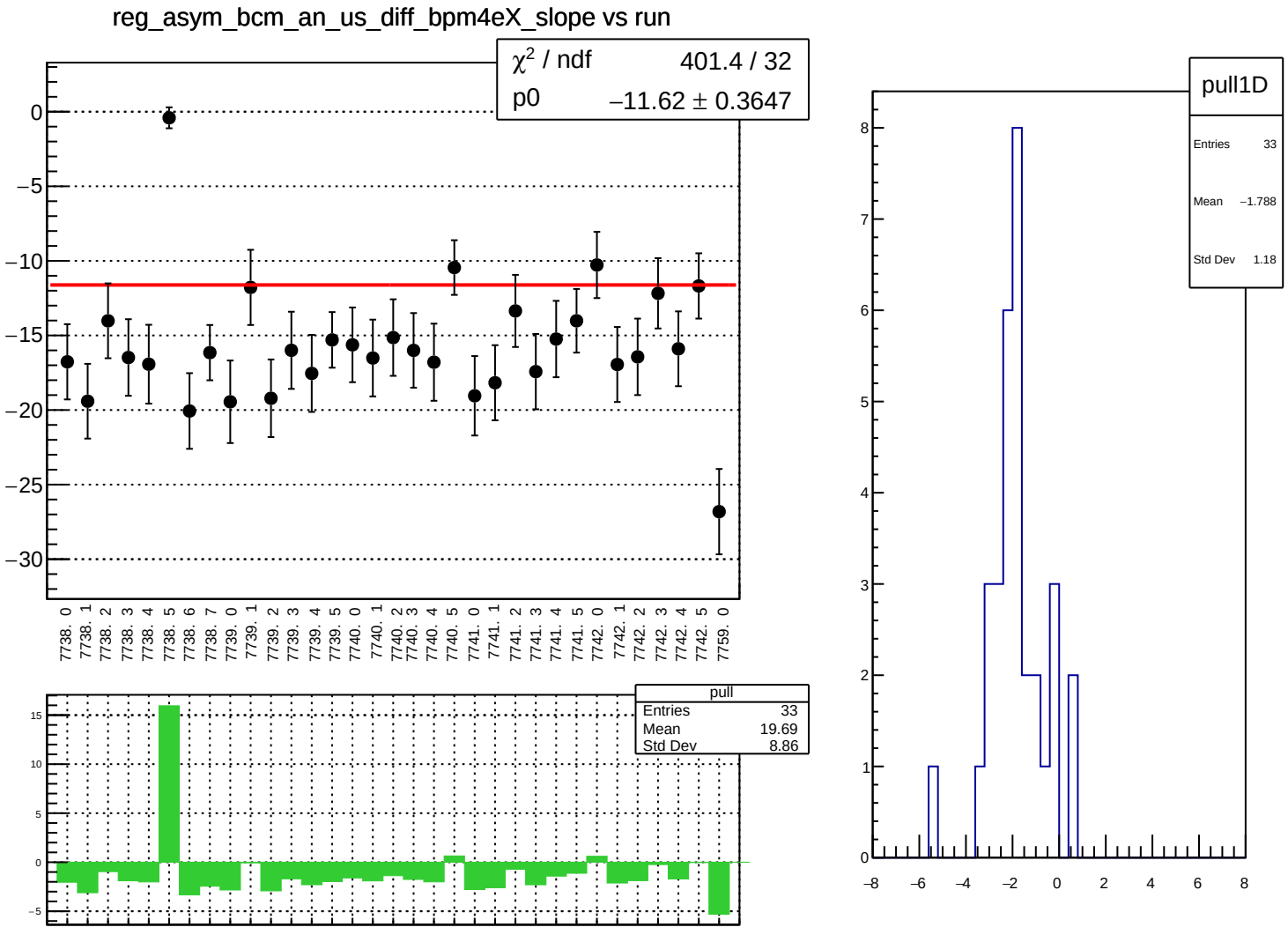

pull1D
Entries 33
Mean 0.1266
Std Dev 1.416

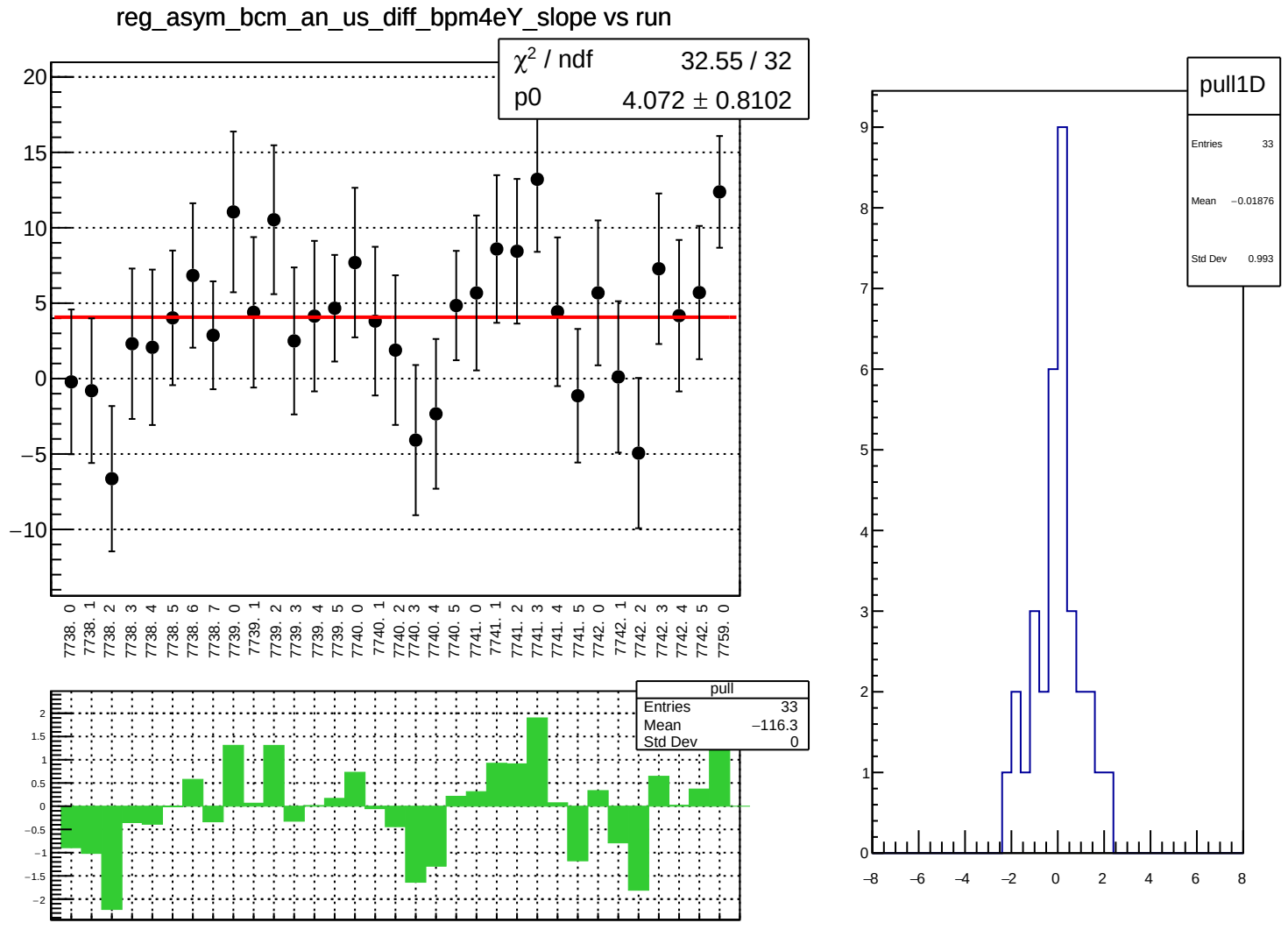

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 334.4 / 32
p0 12.08 ± 0.3705
pull
Entries 33
Mean 20.89
Std Dev 8.735

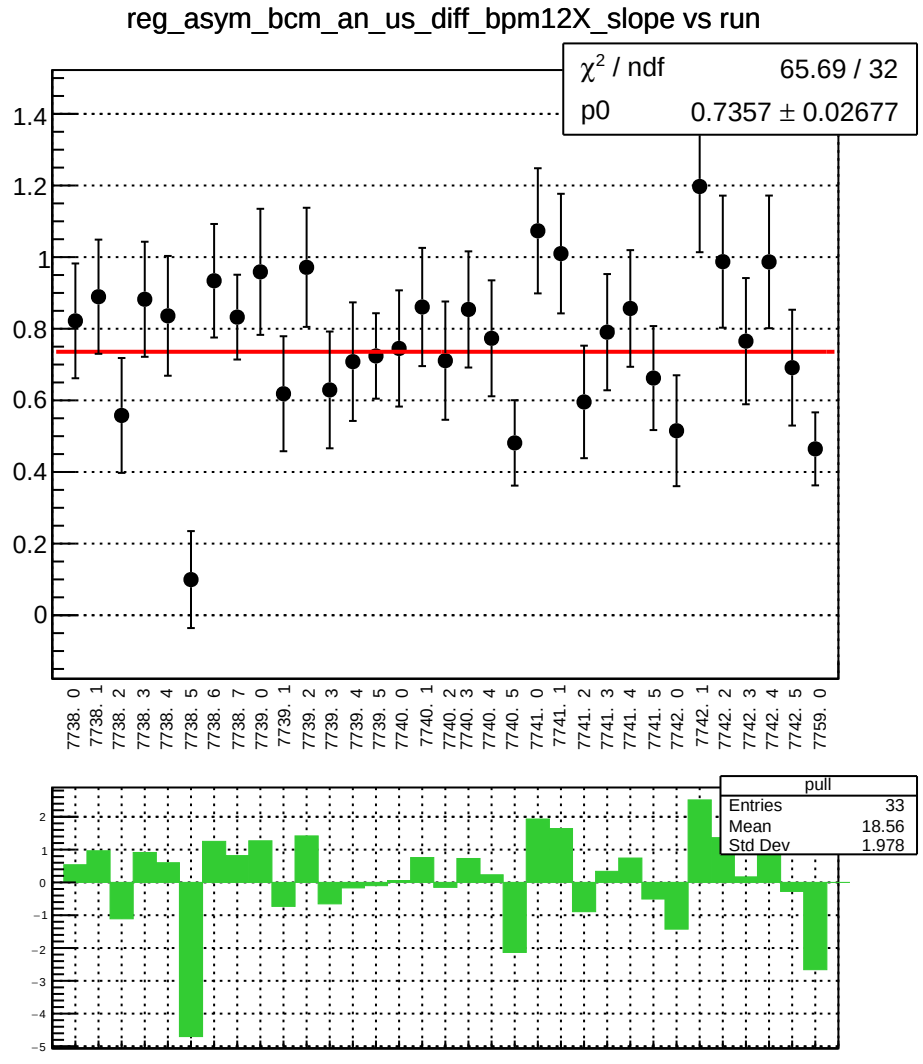

pull1D
Entries 33
Mean 1.479
Std Dev 1.235

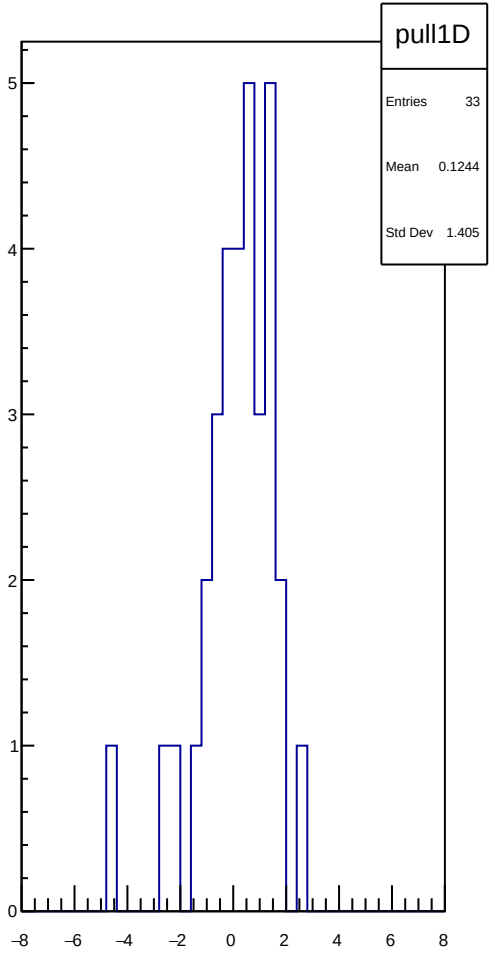

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 35.07 / 32
p0 −2.511± 0.442
pull
Entries 33
Mean 175.9
Std Dev 0

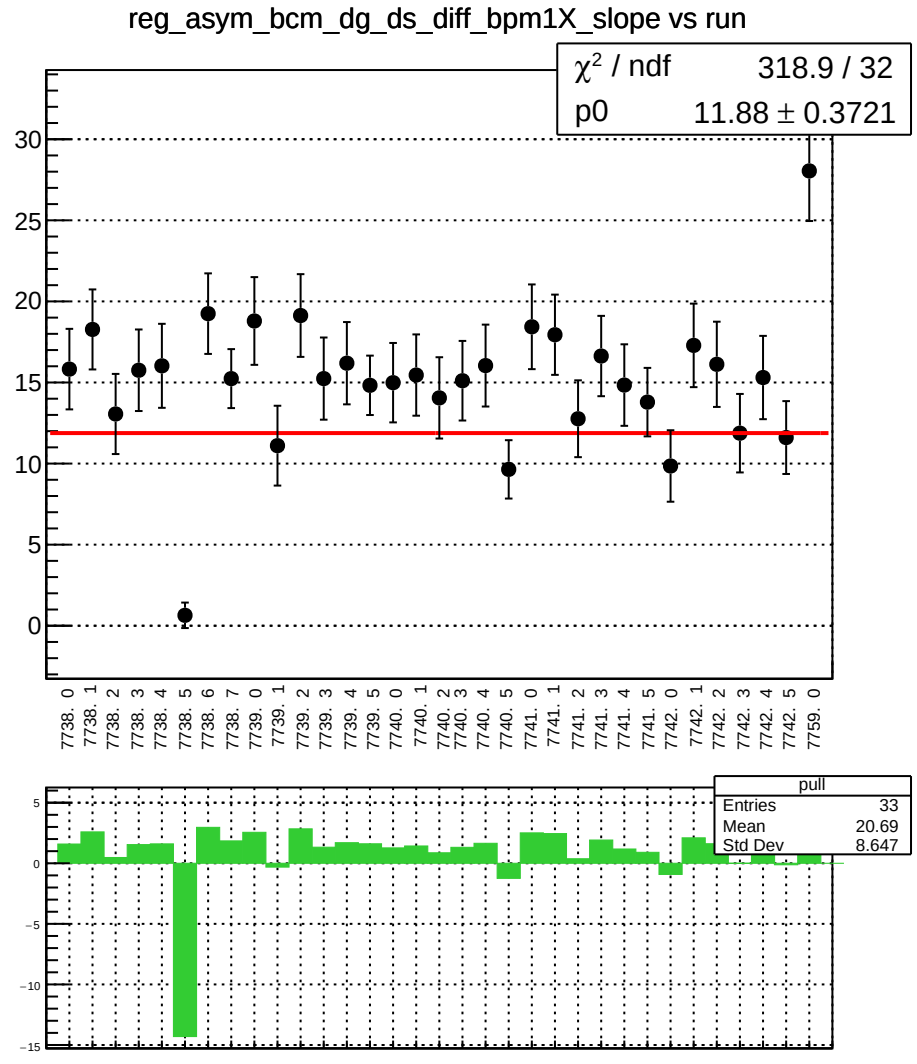

pull1D
Entries 33
Mean −0.0177
Std Dev 1.031

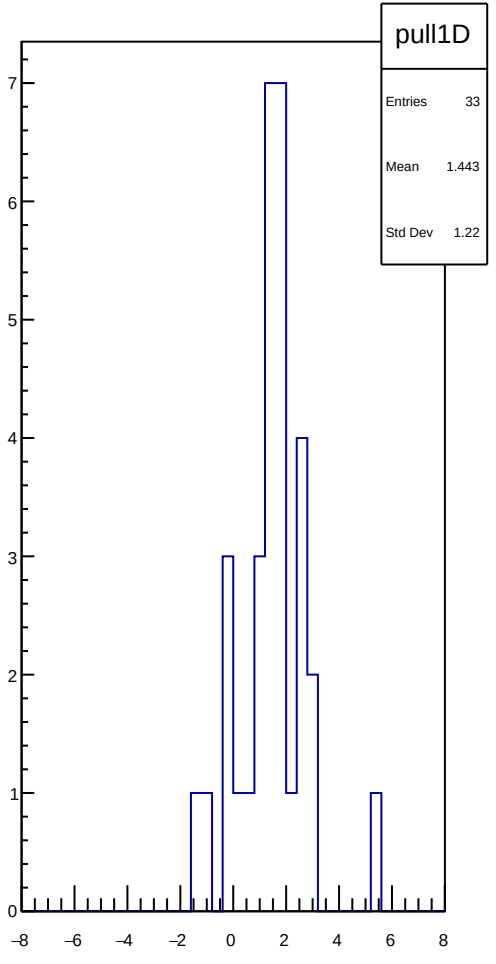

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 401.4 / 32
p0 −11.62 ± 0.3647
0
−5
−10
−15
−20
−25
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.69
Std Dev 8.86
15
10
5
0
−5
pull1D
Entries 33
Mean −1.788
Std Dev 1.18
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

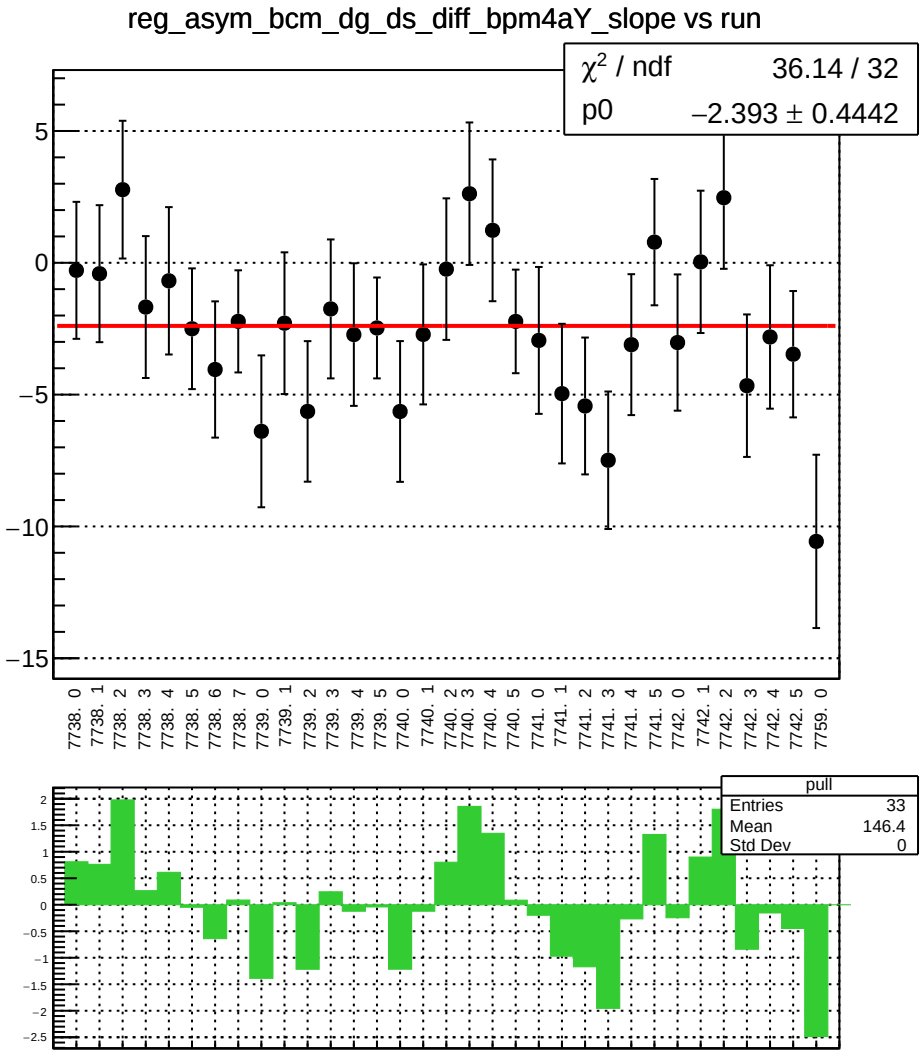

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 32.55 / 32
p0 4.072 ± 0.8102
20
15
10
5
0
−5
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean −116.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 33
Mean −0.01876
Std Dev 0.993
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

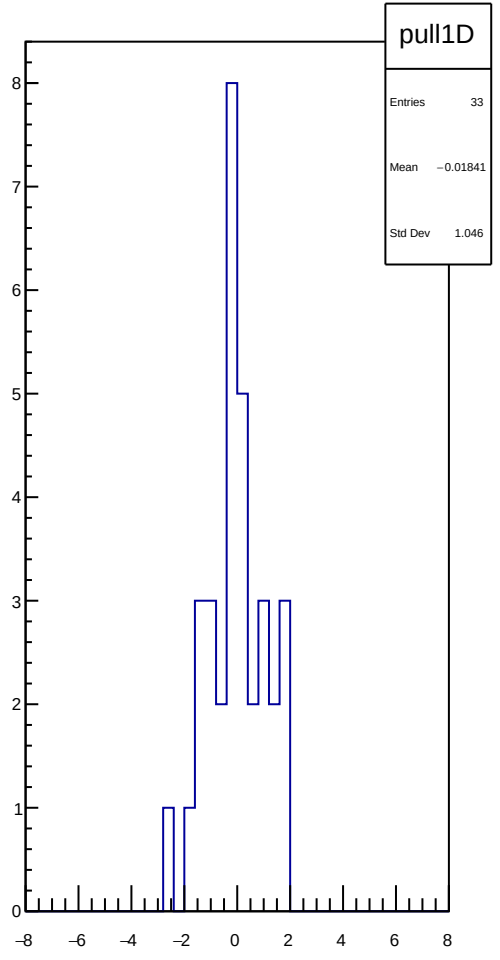

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 65.69 / 32
p0 0.7357 ± 0.02677
pull
Entries 33
Mean 18.56
Std Dev 1.978

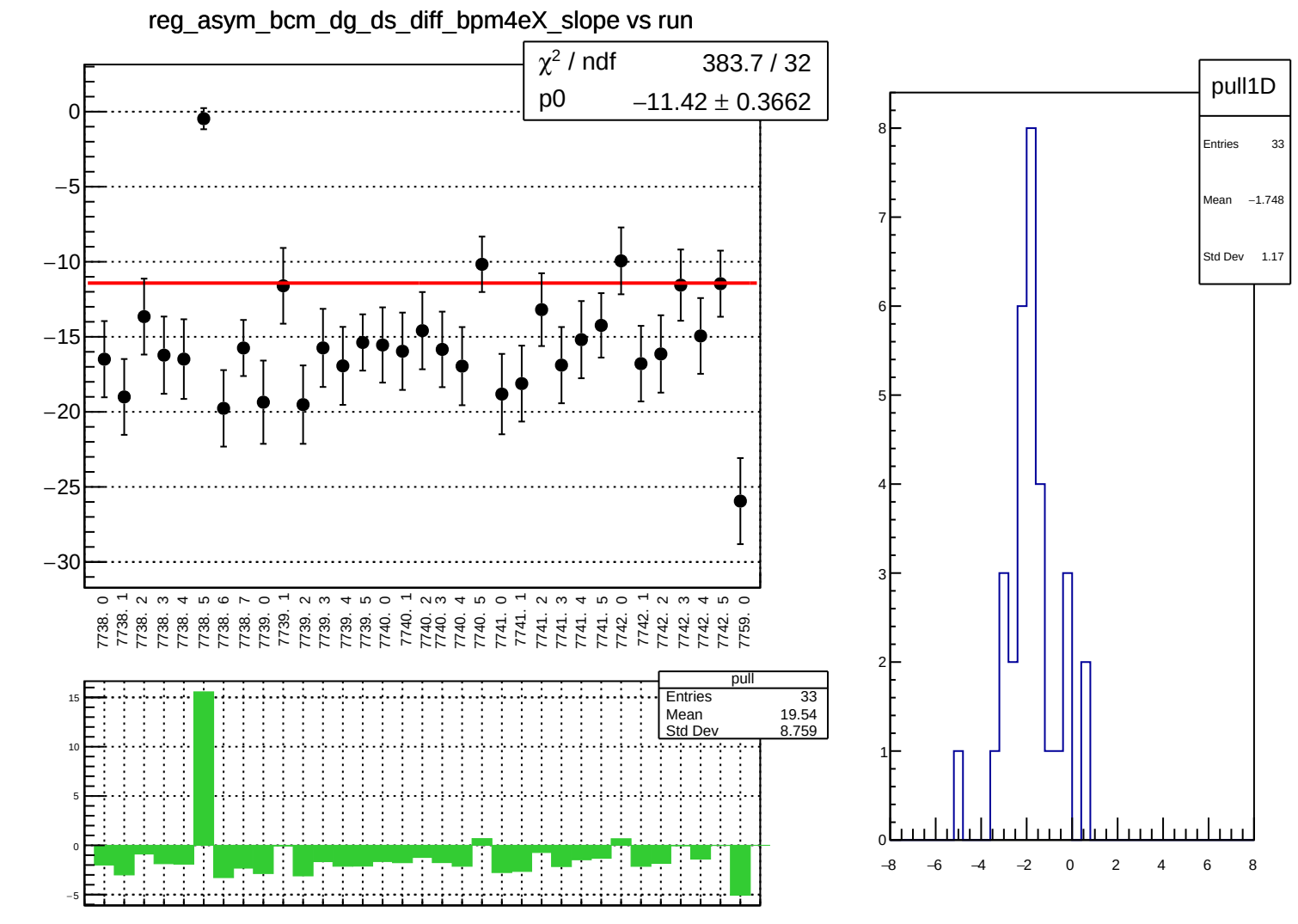

pull1D
Entries 33
Mean 0.1244
Std Dev 1.405

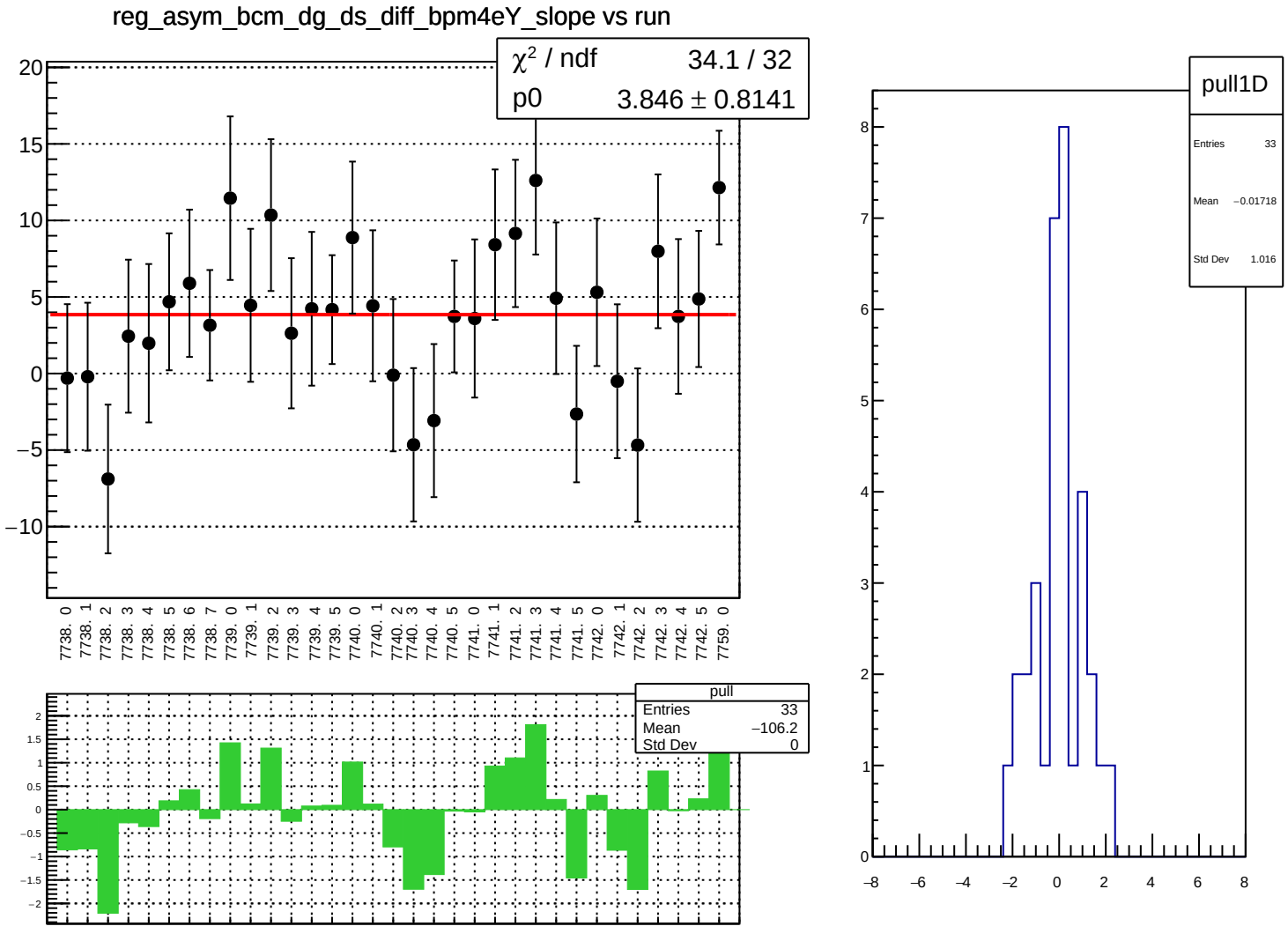

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 318.9 / 32
p0 11.88 ± 0.3721
pull
Entries 33
Mean 20.69
Std Dev 8.647

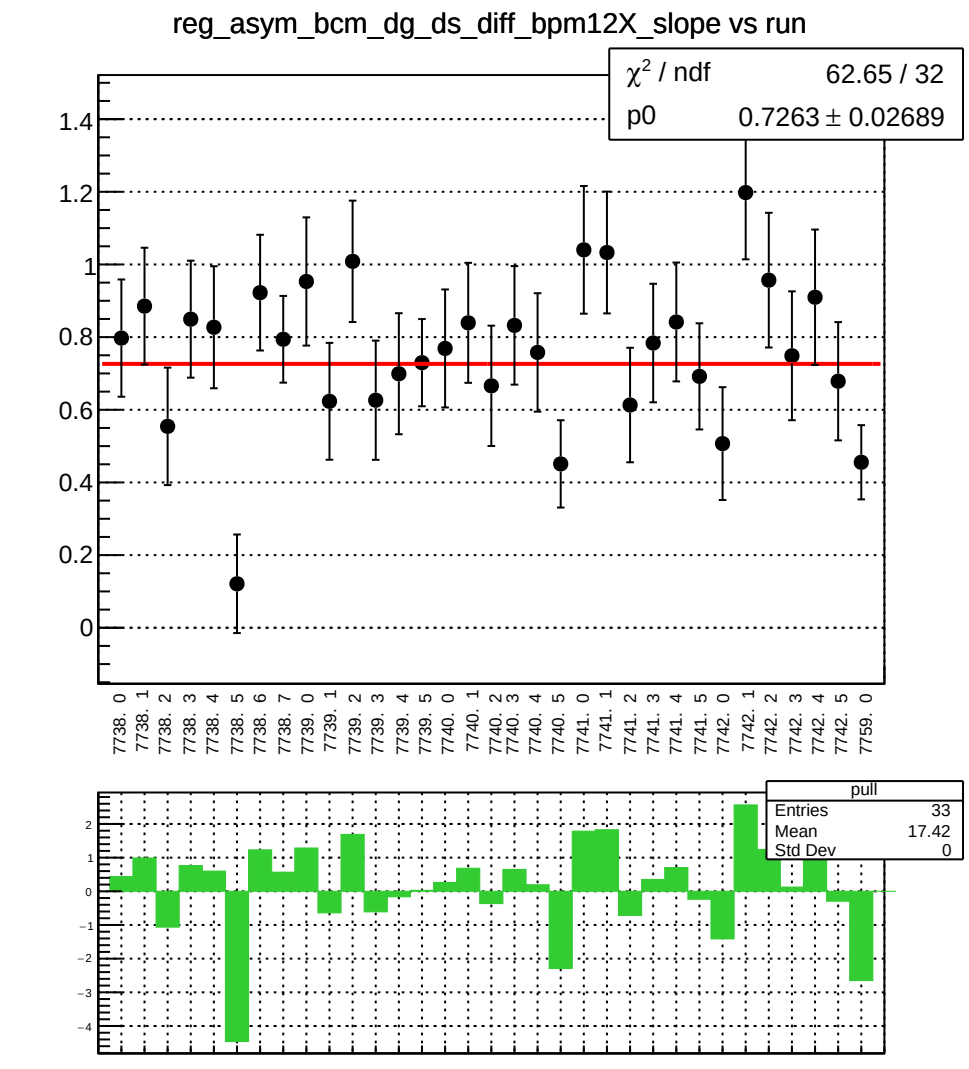

pull1D
Entries 33
Mean 1.443
Std Dev 1.22

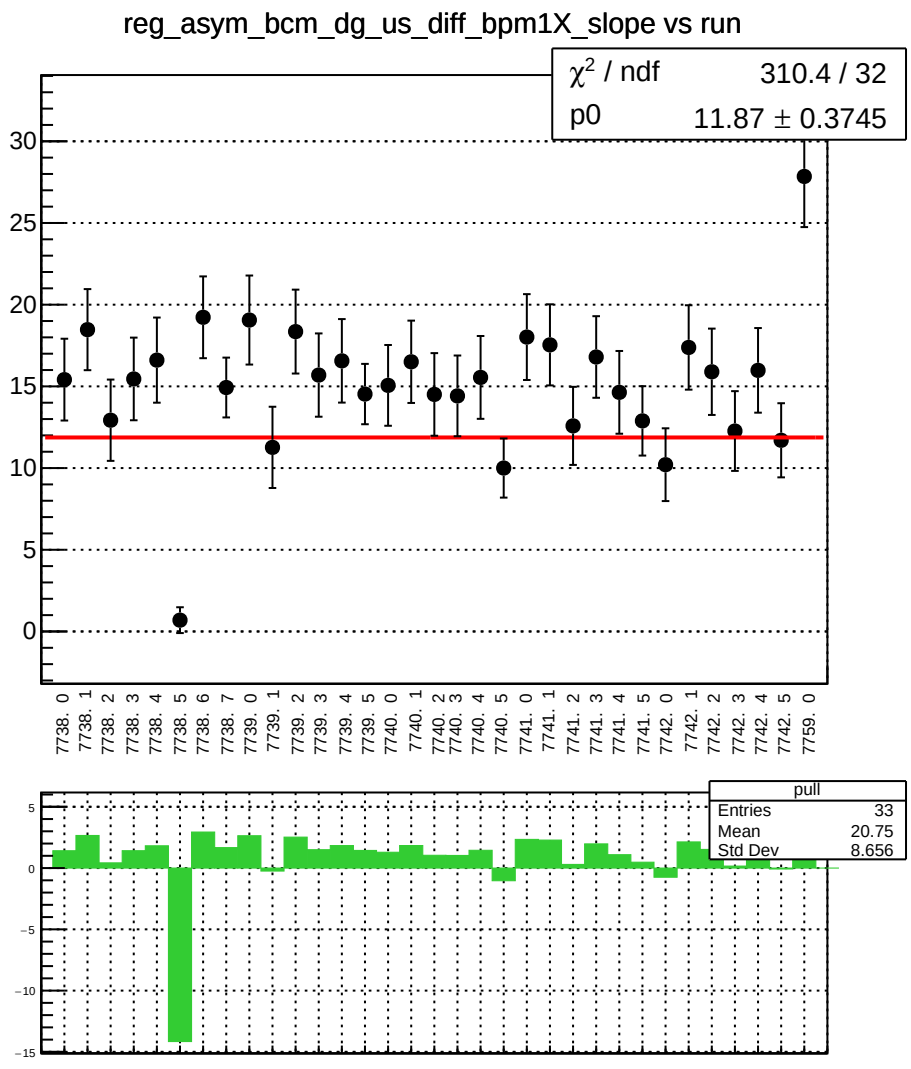

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 36.14 / 32
p0 −2.393 ± 0.4442
pull
Entries 33
Mean 146.4
Std Dev 0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

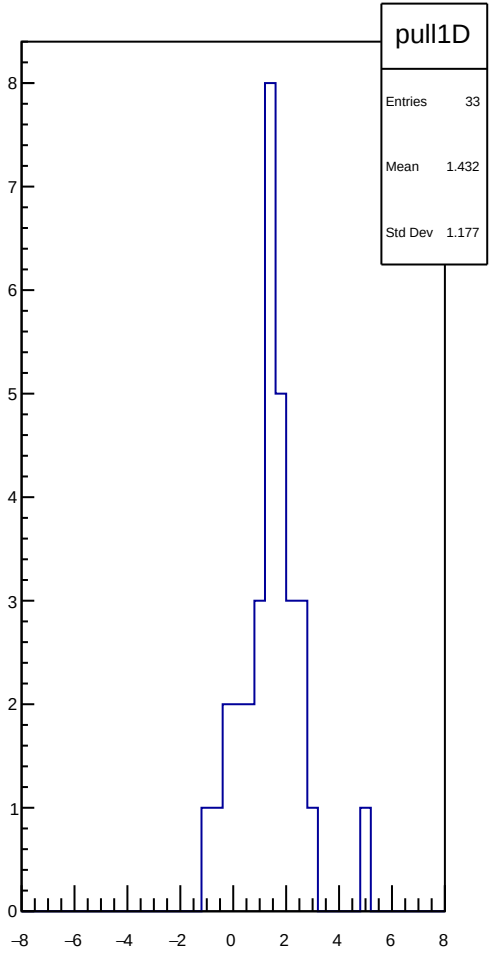

pull1D
Entries 33
Mean −0.01841
Std Dev 1.046

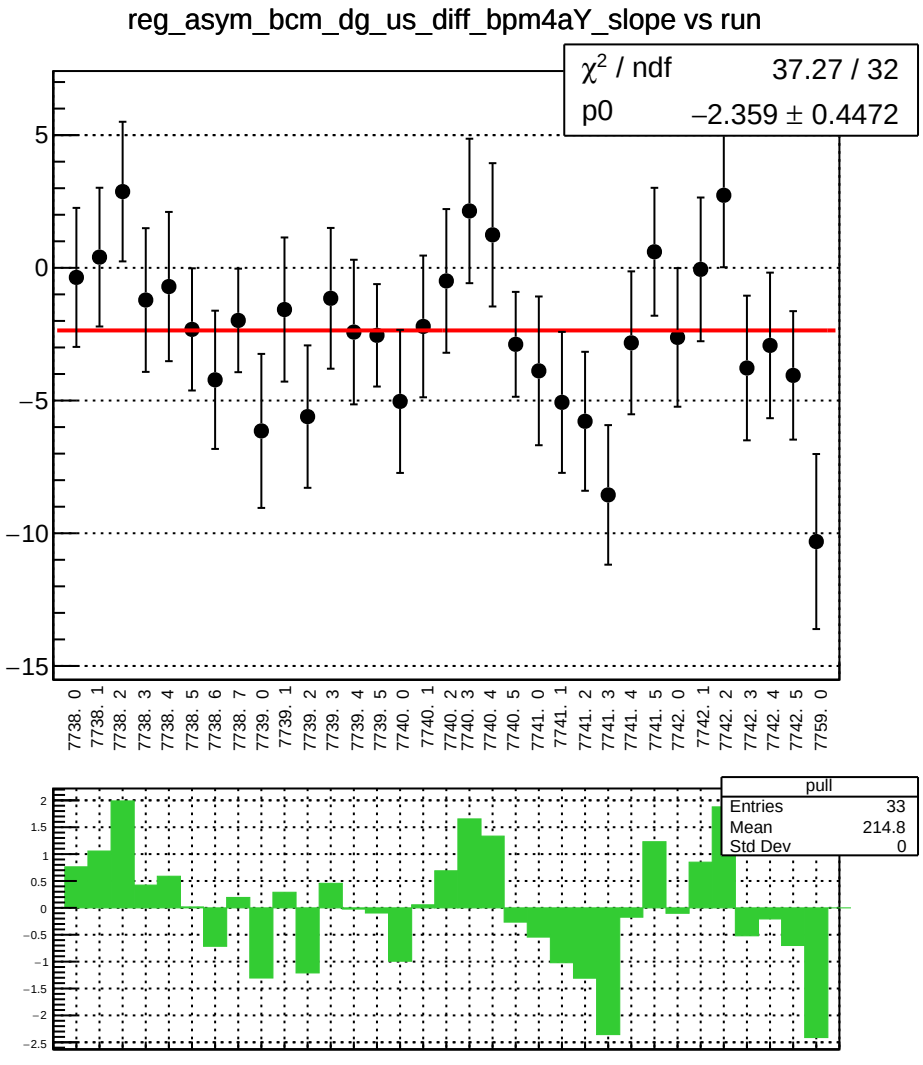

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 383.7 / 32
p0 −11.42 ± 0.3662
0
−5
−10
−15
−20
−25
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.54
Std Dev 8.759
15
10
5
0
−5
pull1D
Entries 33
Mean −1.748
Std Dev 1.17
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

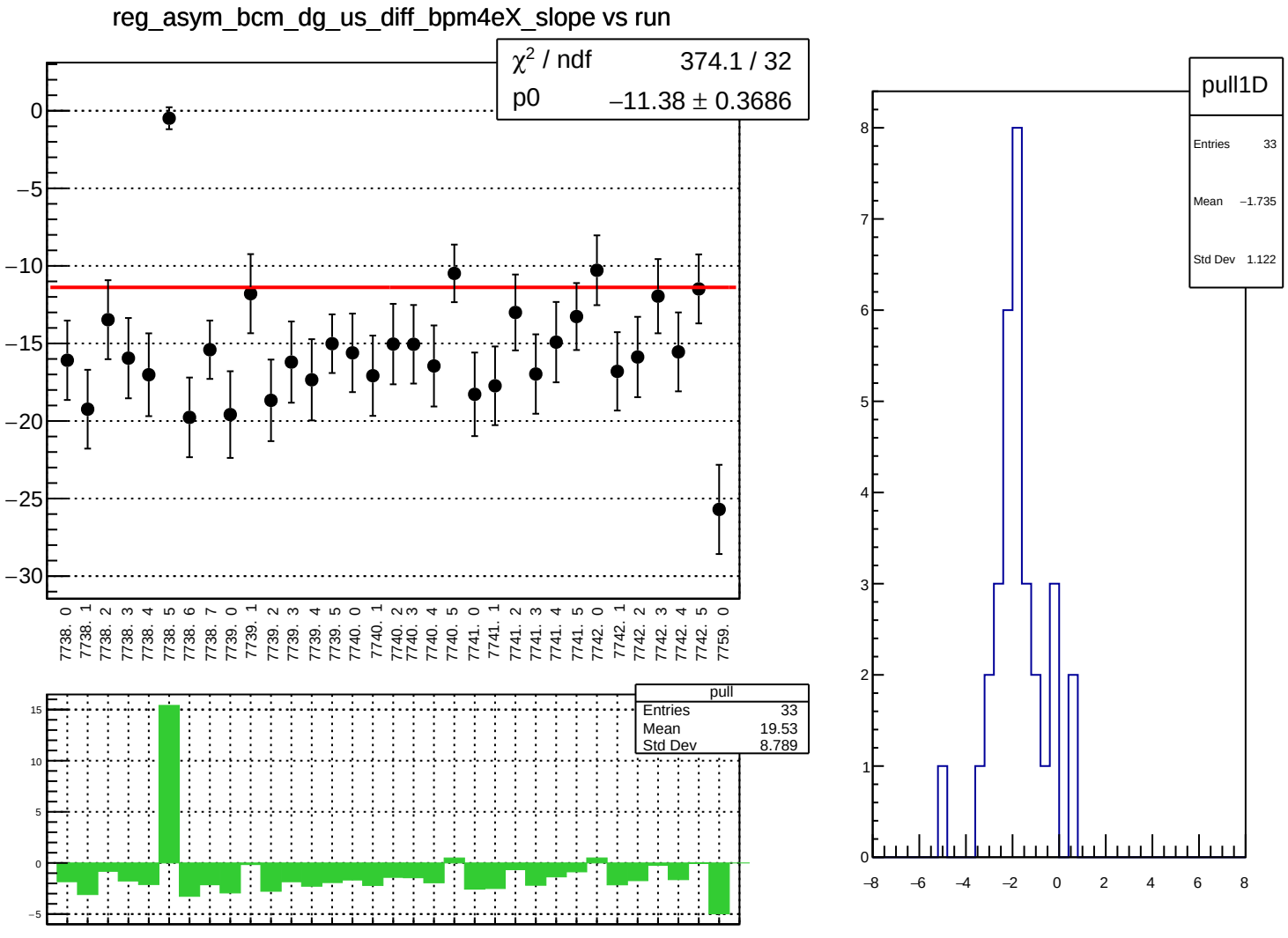

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 34.1 / 32
p0 3.846 ± 0.8141
pull
Entries 33
Mean −106.2
Std Dev 0
pull1D
Entries 33
Mean −0.01718
Std Dev 1.016

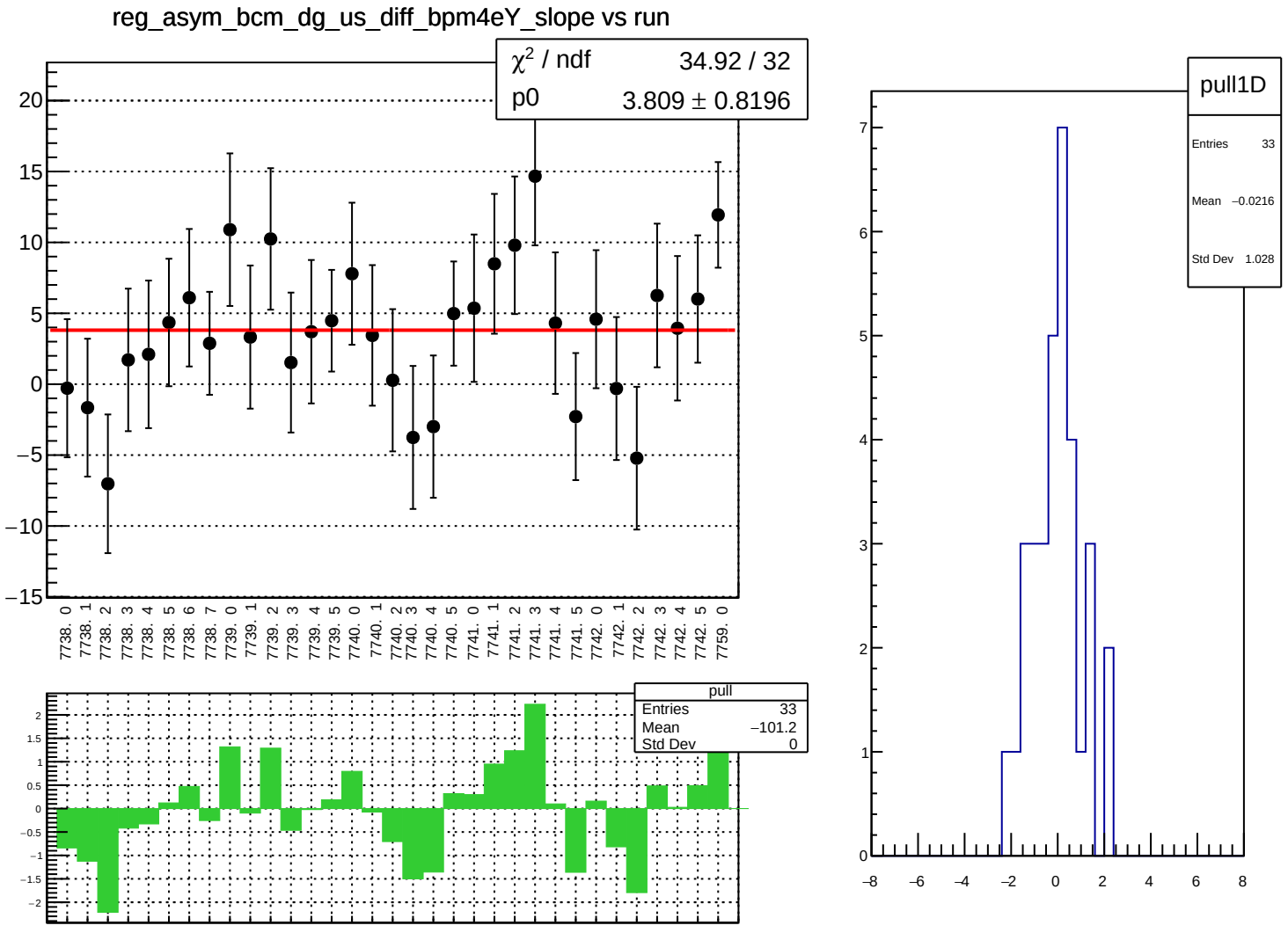

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 62.65 / 32
p0 0.7263 ± 0.02689
pull
Entries 33
Mean 17.42
Std Dev 0
pull1D
Entries 33
Mean 0.1234
Std Dev 1.372

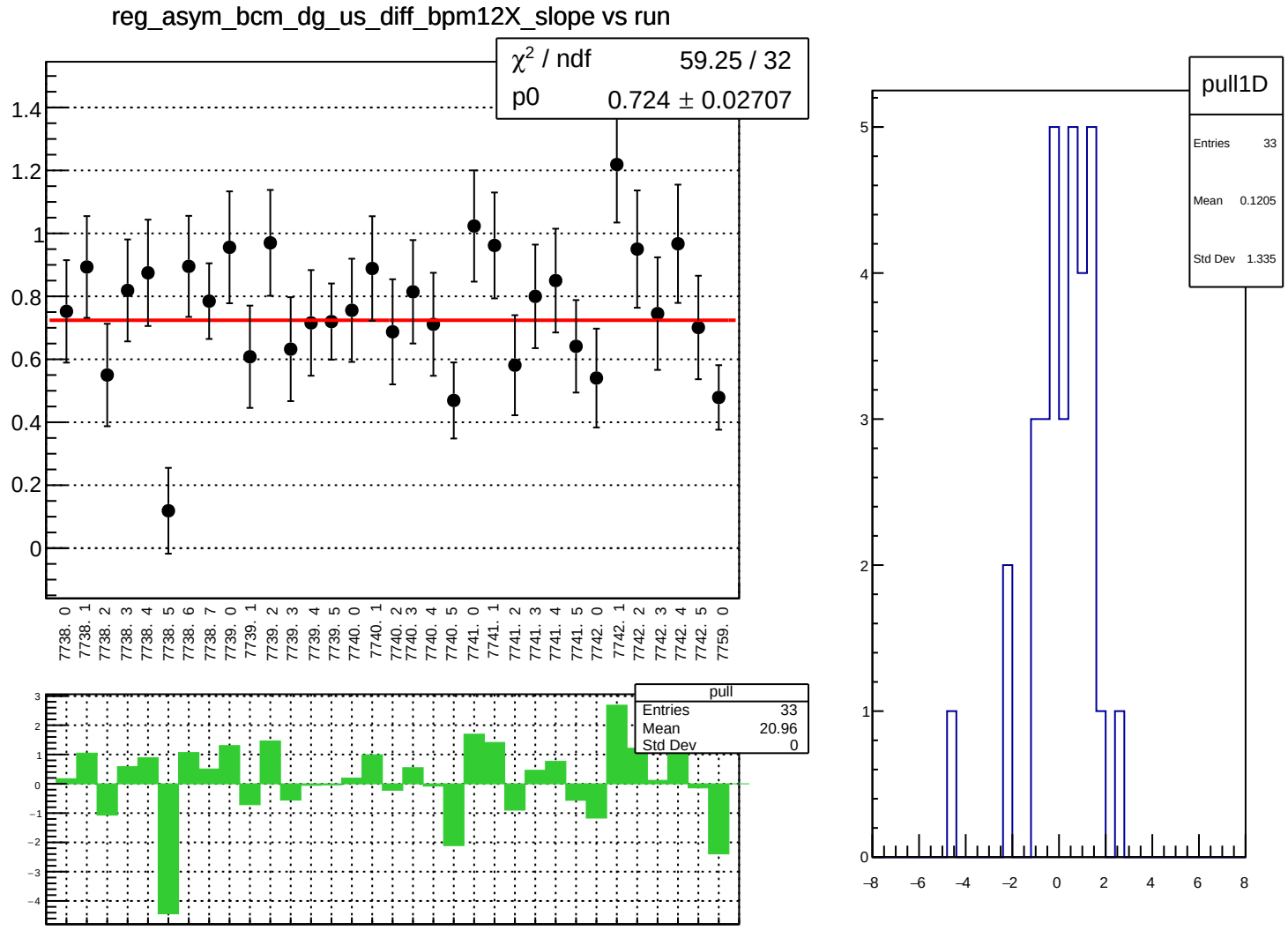

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 310.4 / 32
p0 11.87 ± 0.3745
pull
Entries 33
Mean 20.75
Std Dev 8.656

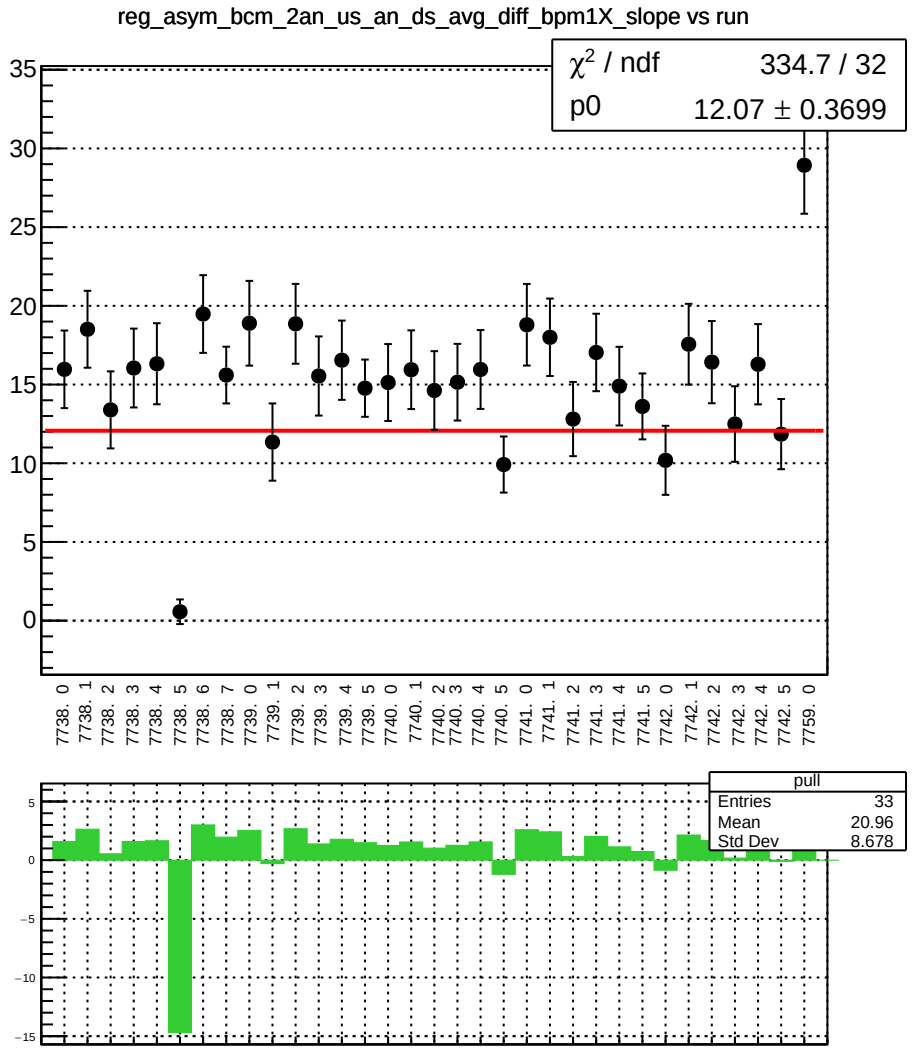

pull1D
Entries 33
Mean 1.432
Std Dev 1.177

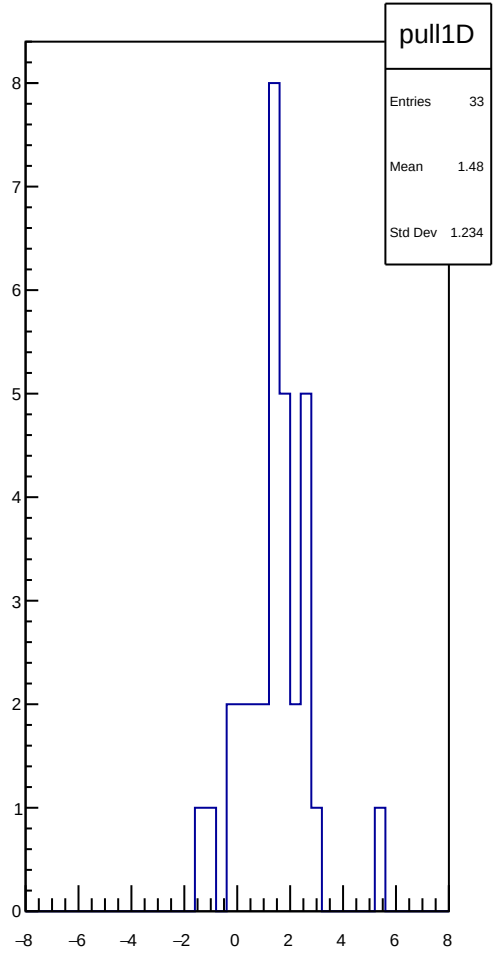

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 37.27 / 32
p0 −2.359 ± 0.4472
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 214.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 33
Mean −0.01434
Std Dev 1.063
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

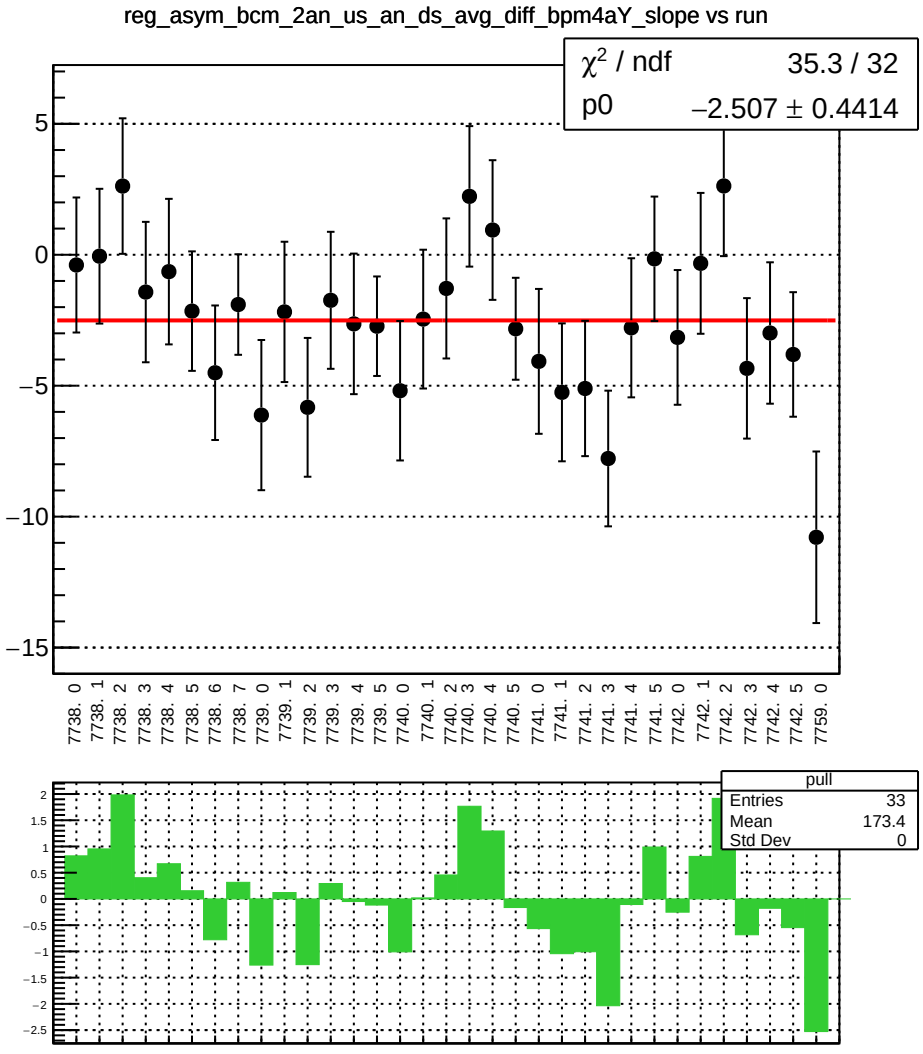

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 374.1 / 32
p0 −11.38 ± 0.3686
0
−5
−10
−15
−20
−25
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.53
Std Dev 8.789
15
10
5
0
−5
pull1D
Entries 33
Mean −1.735
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

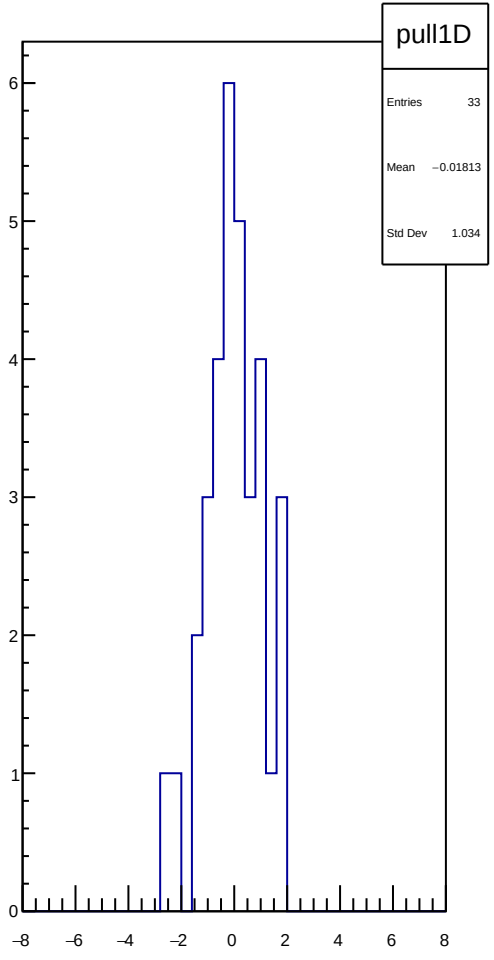

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 34.92 / 32
p0 3.809 ± 0.8196
pull
Entries 33
Mean −101.2
Std Dev 0
pull1D
Entries 33
Mean −0.0216
Std Dev 1.028

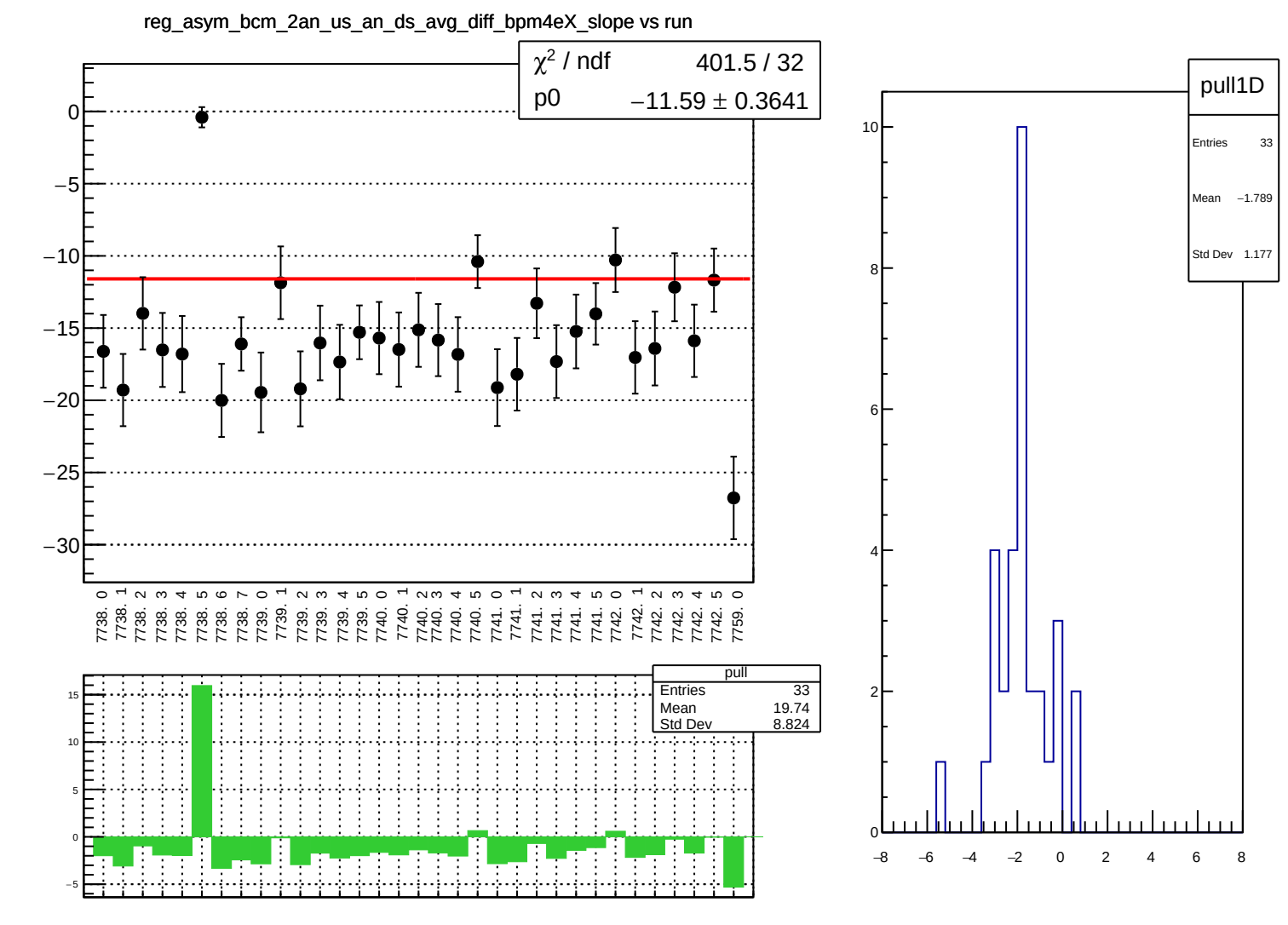

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 59.25 / 32
p0 0.724 ± 0.02707
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 20.96
Std Dev 0
pull1D
Entries 33
Mean 0.1205
Std Dev 1.335

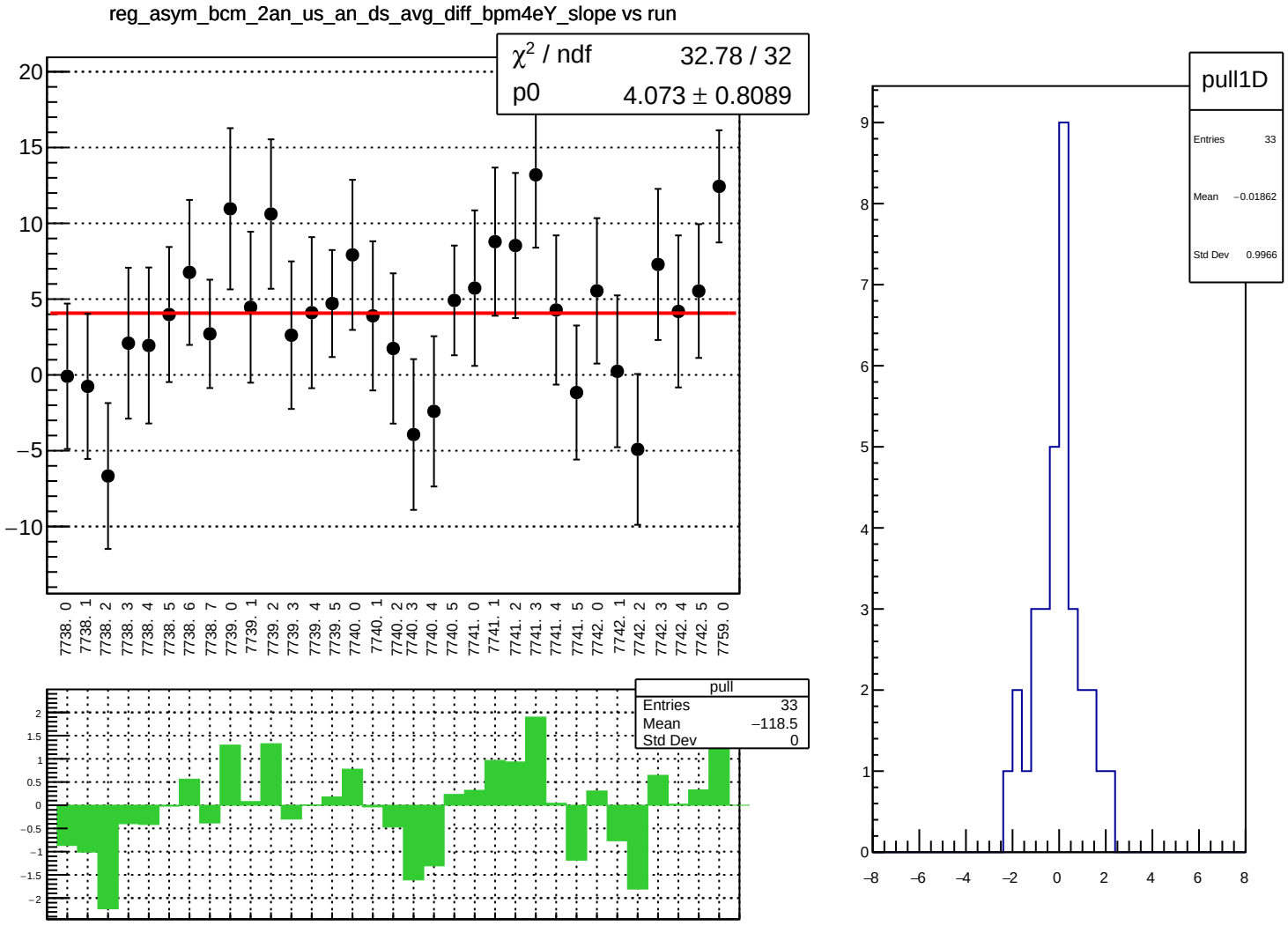

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 334.7 / 32
p0 12.07 ± 0.3699
pull
Entries 33
Mean 20.96
Std Dev 8.678

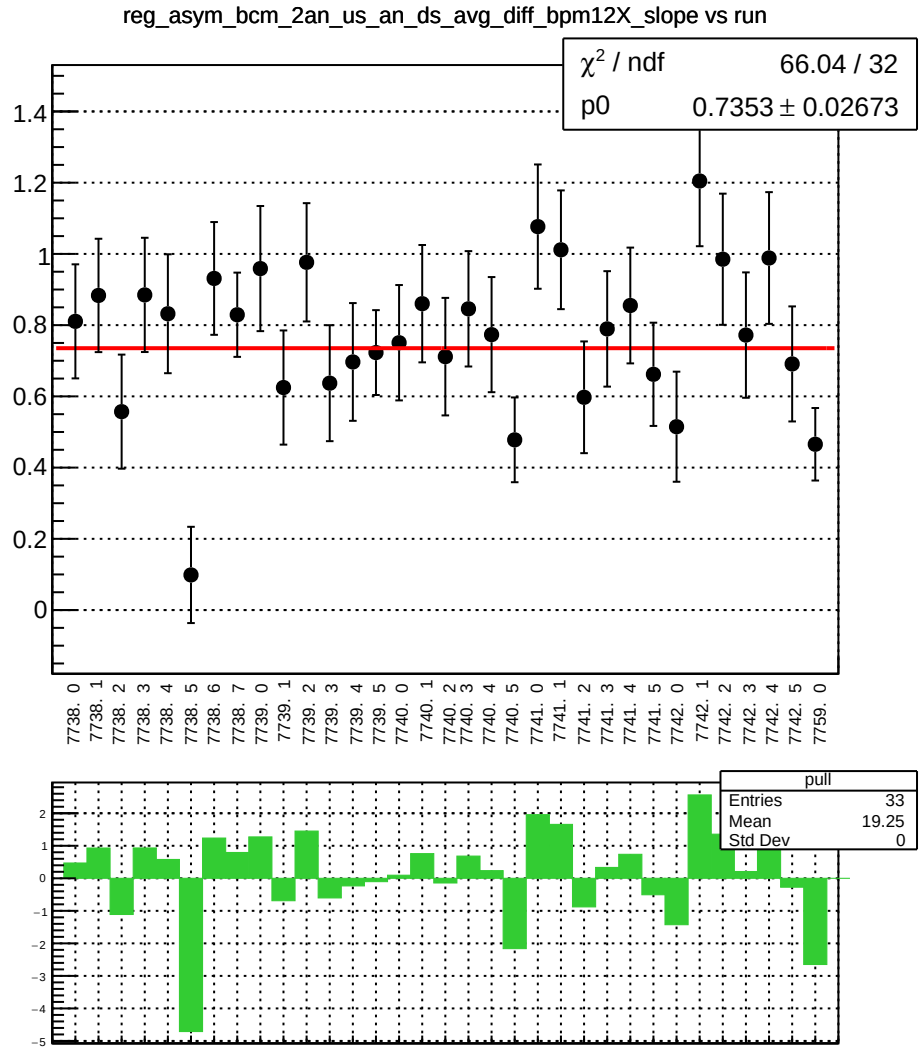

pull1D
Entries 33
Mean 1.48
Std Dev 1.234

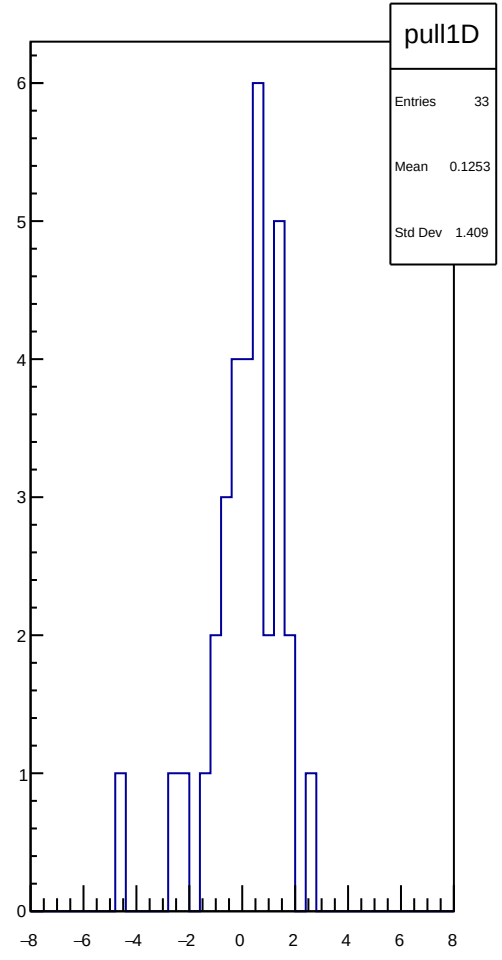

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.3 / 32
p0 −2.507 ± 0.4414
pull
Entries 33
Mean 173.4
Std Dev 0

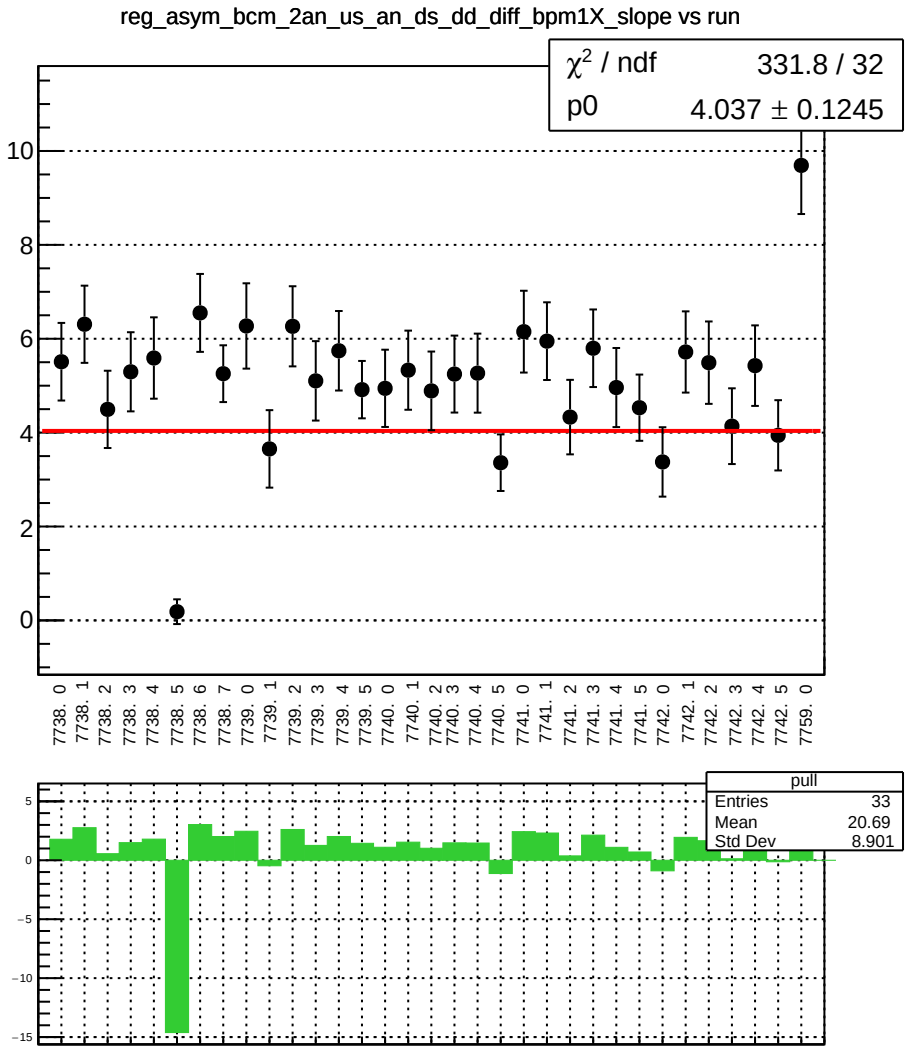

pull1D
Entries 33
Mean −0.01813
Std Dev 1.034

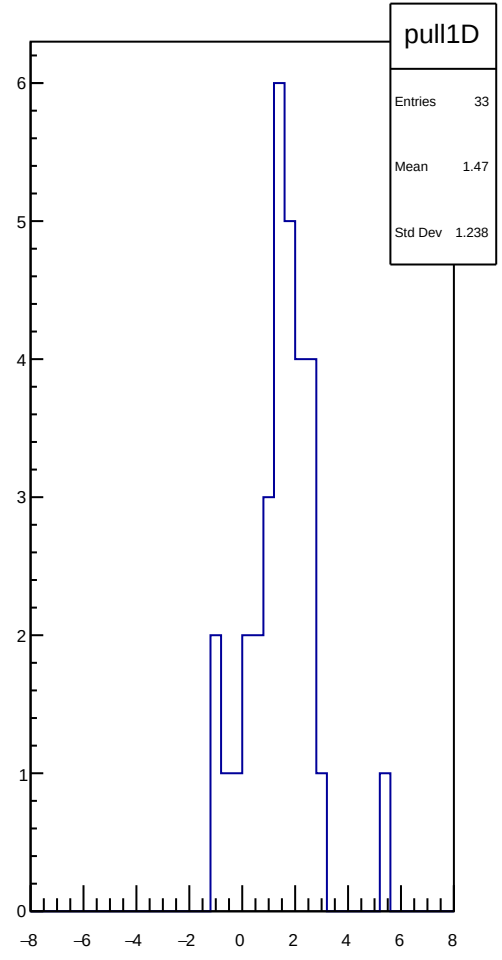

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 401.5 / 32
p0 −11.59 ± 0.3641
0
−5
−10
−15
−20
−25
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.74
Std Dev 8.824
15
10
5
0
−5
pull1D
Entries 33
Mean −1.789
Std Dev 1.177
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

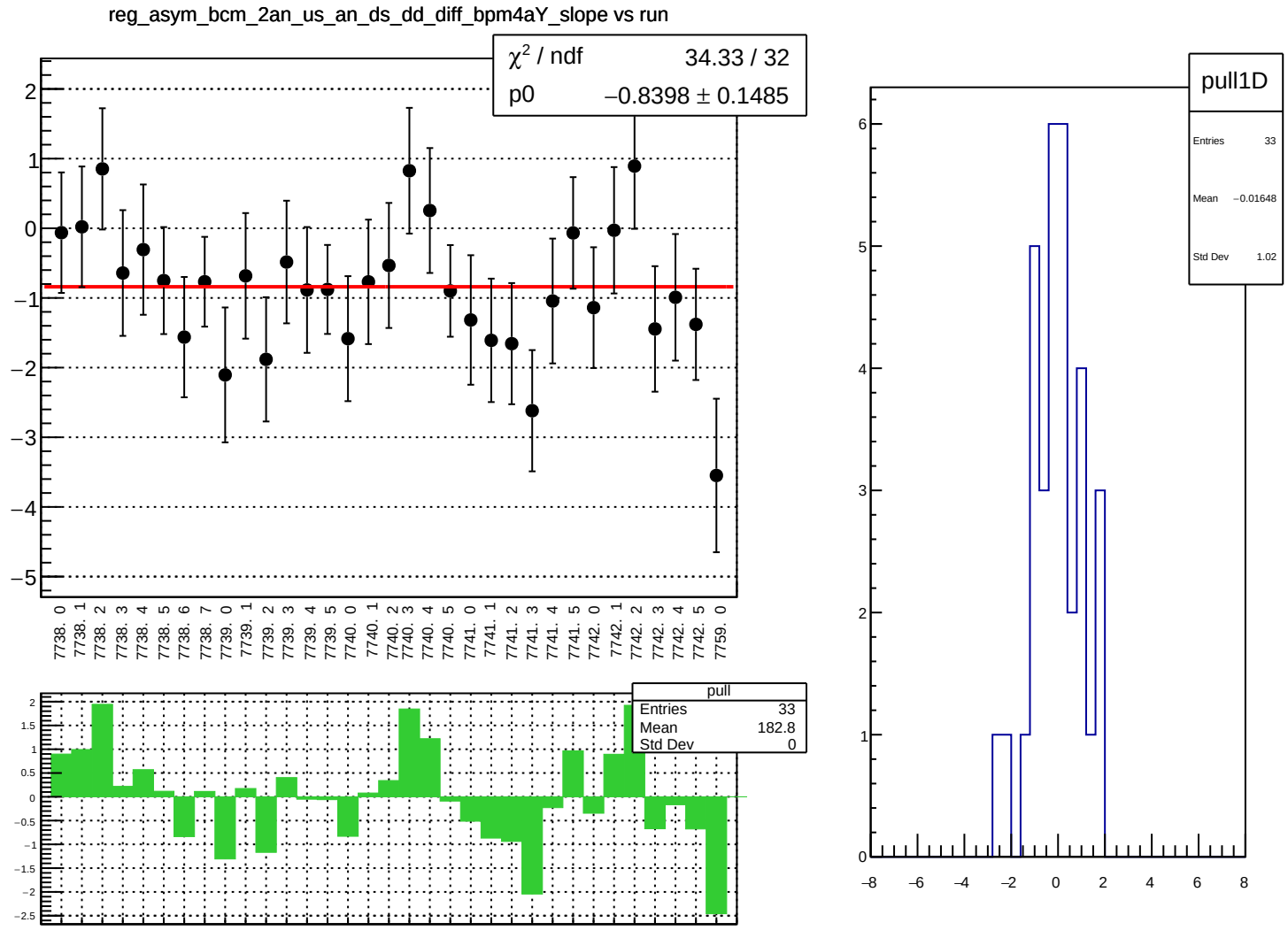

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.78 / 32
p0 4.073 ± 0.8089
pull
Entries 33
Mean −118.5
Std Dev 0
pull1D
Entries 33
Mean −0.01862
Std Dev 0.9966

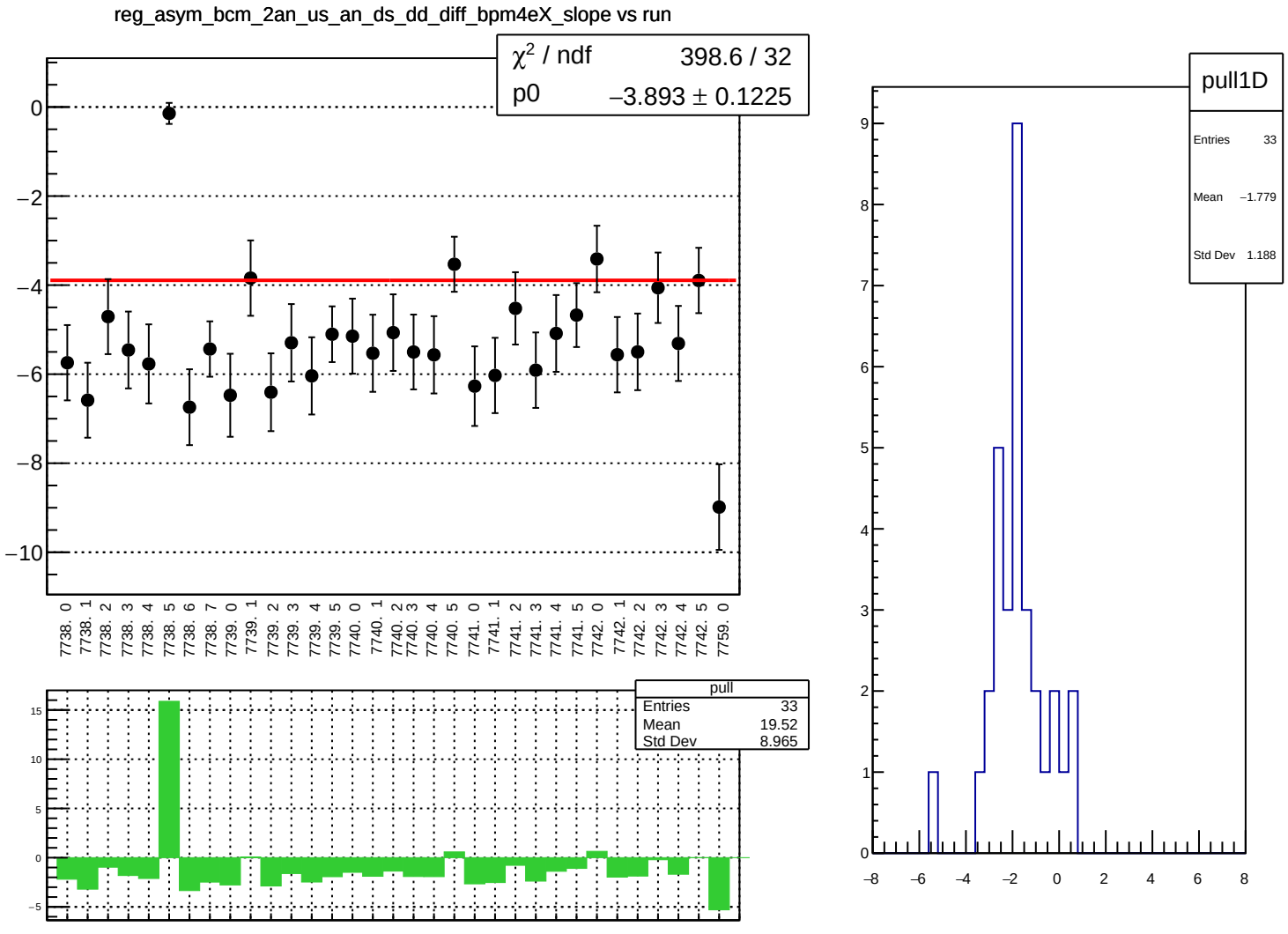

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 66.04 / 32
p0 0.7353 ± 0.02673
pull
Entries 33
Mean 19.25
Std Dev 0

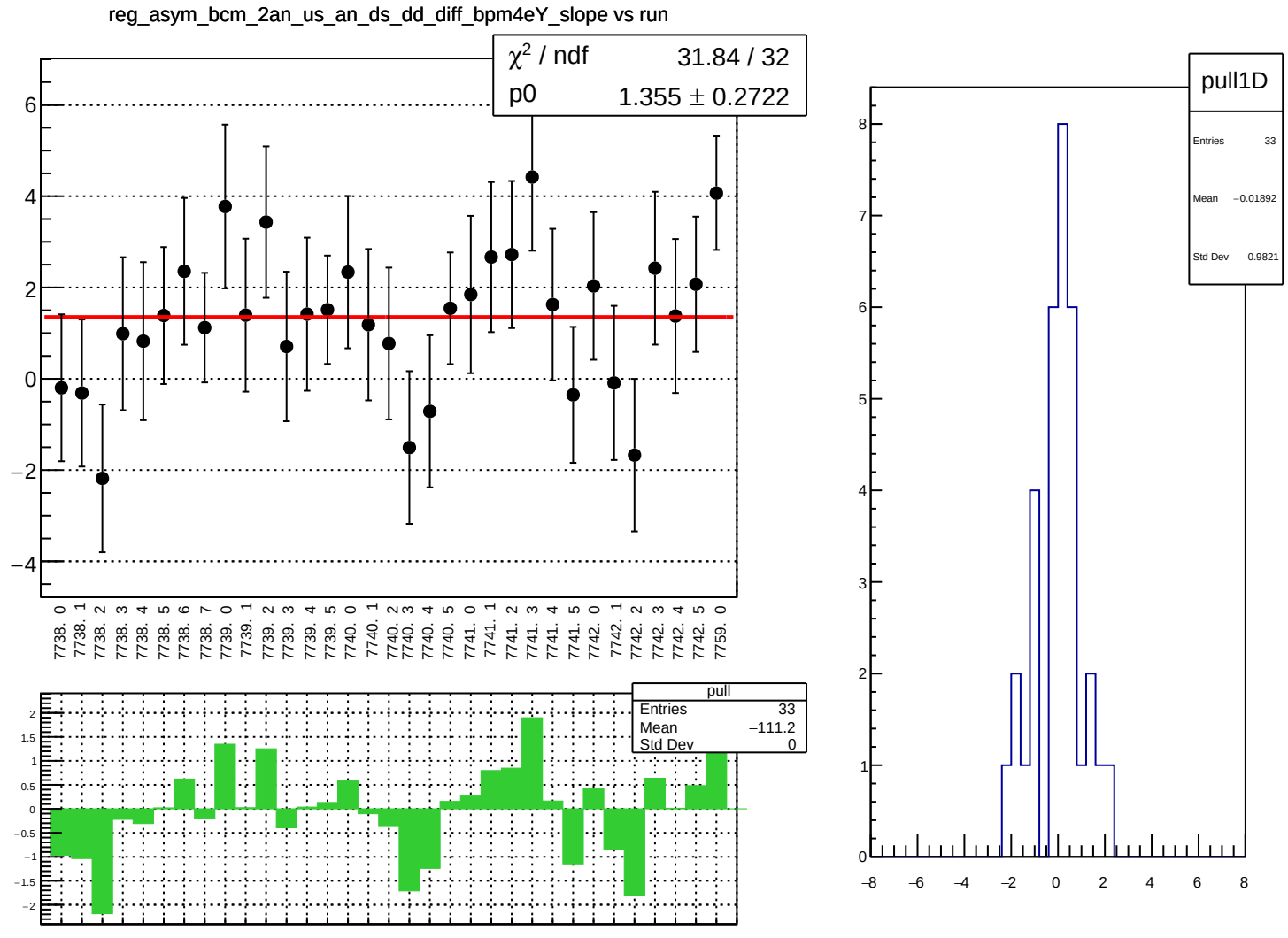

pull1D
Entries 33
Mean 0.1253
Std Dev 1.409

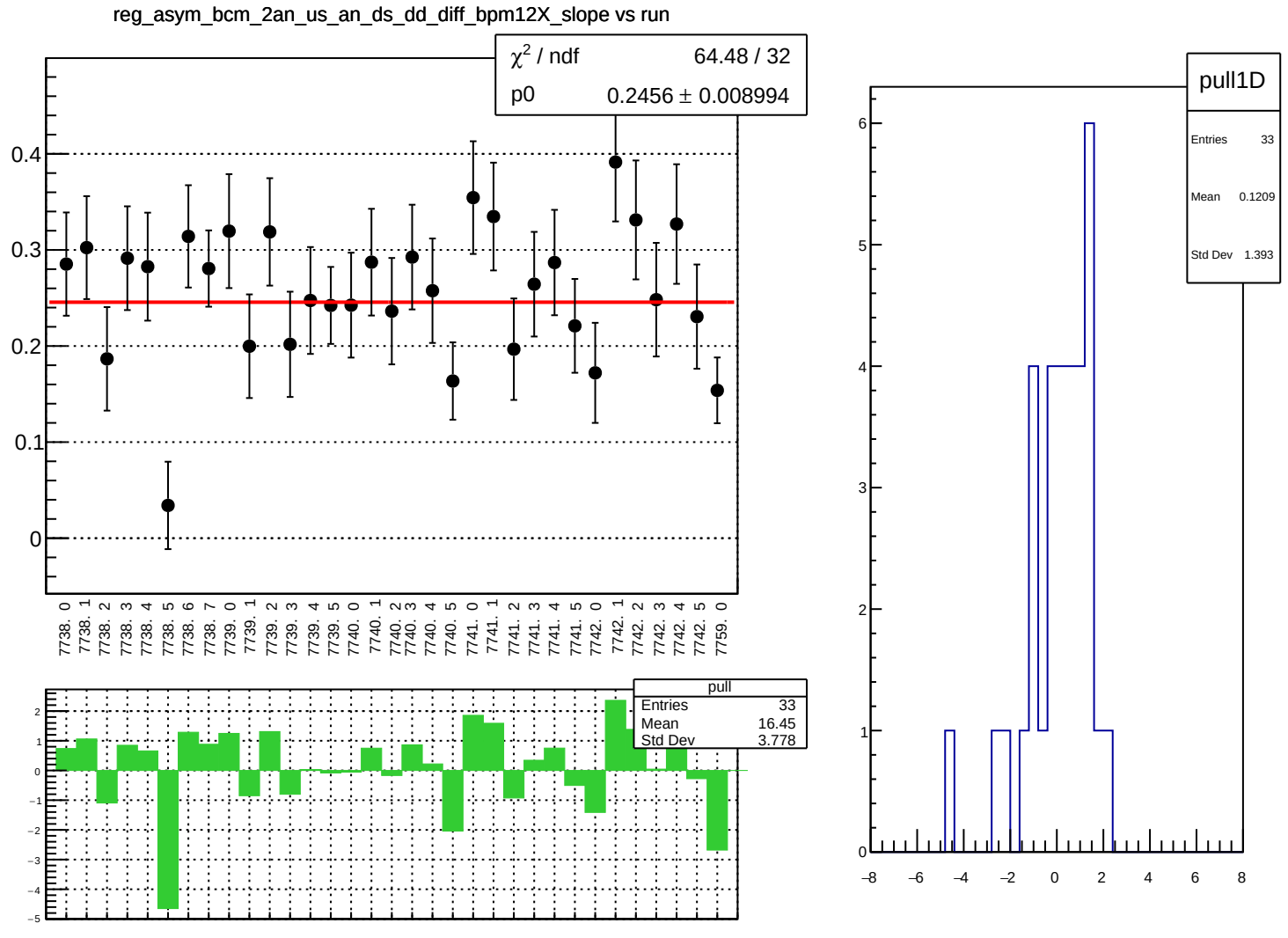

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 331.8 / 32
p0 4.037 ± 0.1245
pull
Entries 33
Mean 20.69
Std Dev 8.901
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0

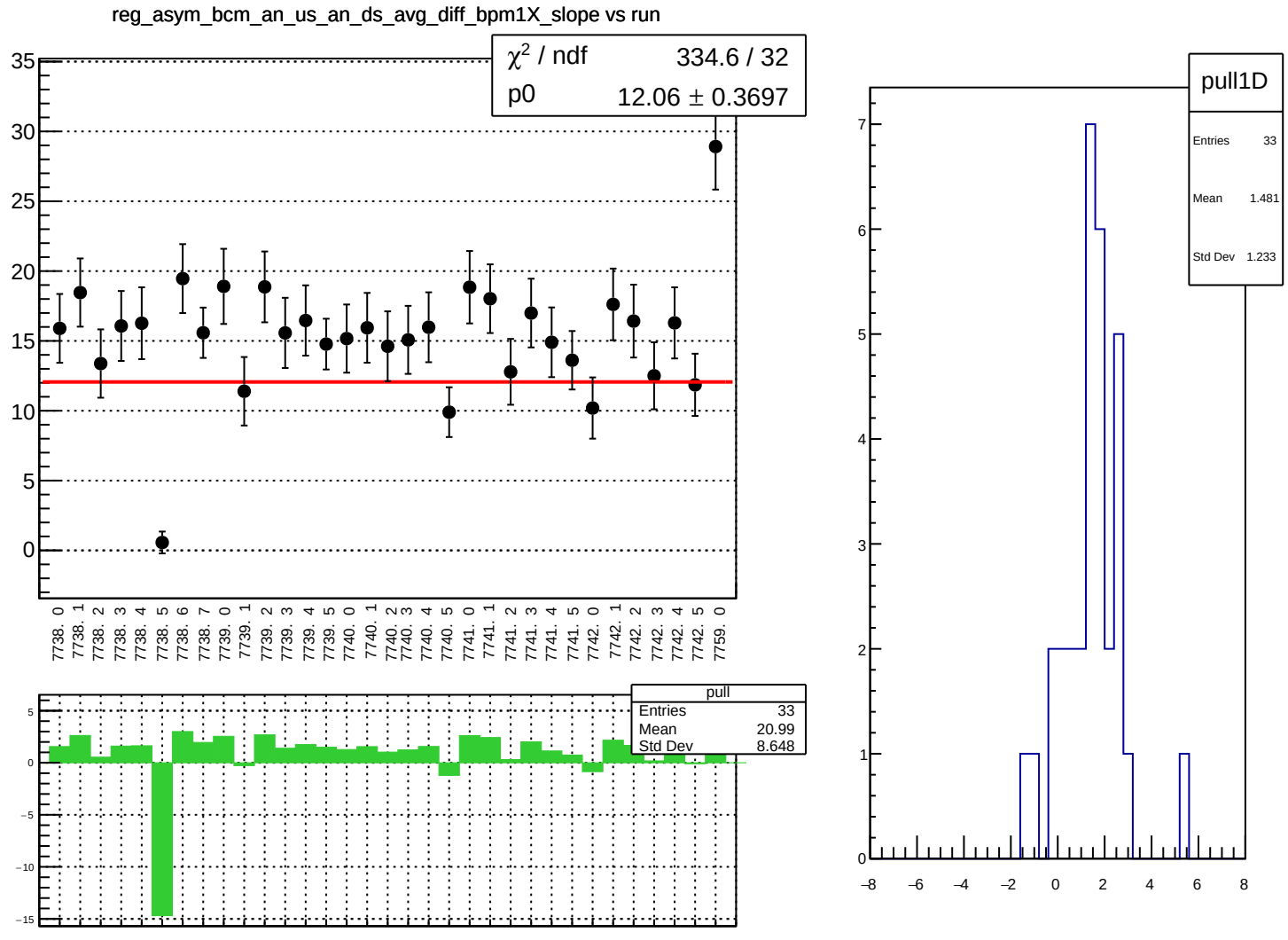

pull1D
Entries 33
Mean 1.47
Std Dev 1.238

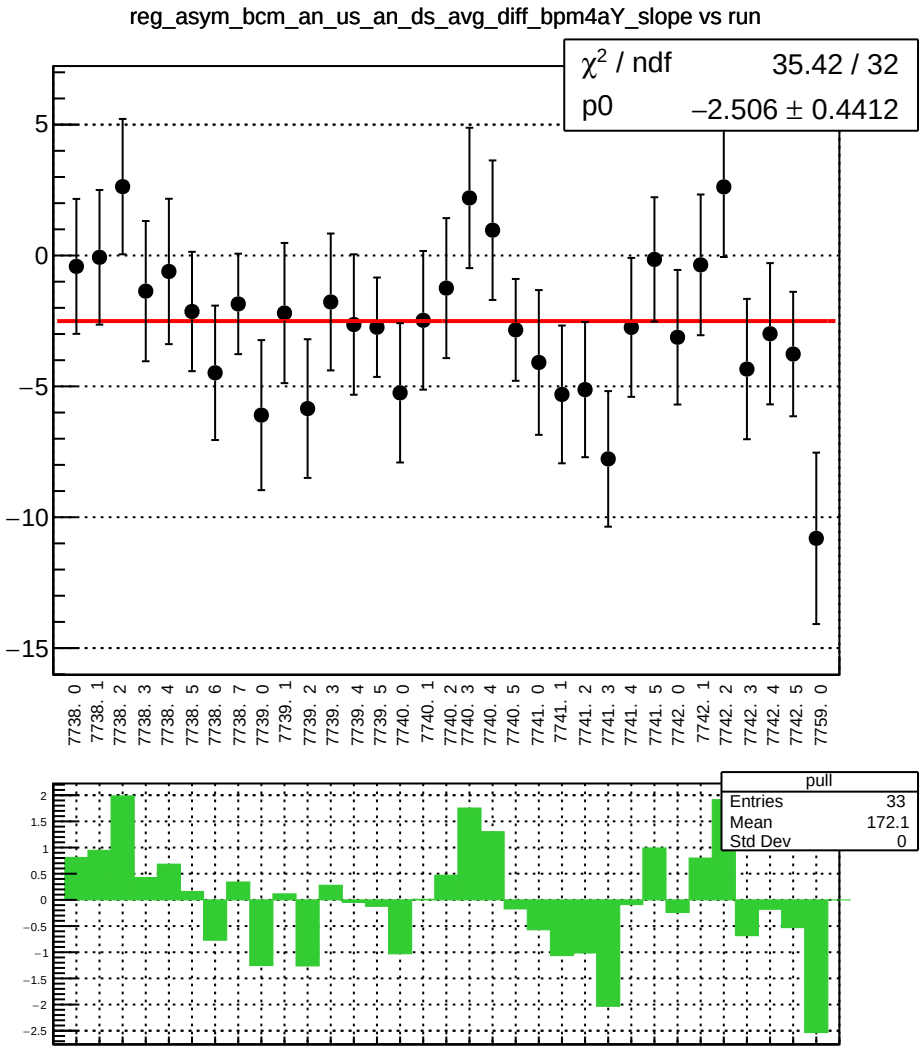

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.33 / 32
p0 −0.8398 ± 0.1485
pull
Entries 33
Mean 182.8
Std Dev 0
pull1D
Entries 33
Mean −0.01648
Std Dev 1.02

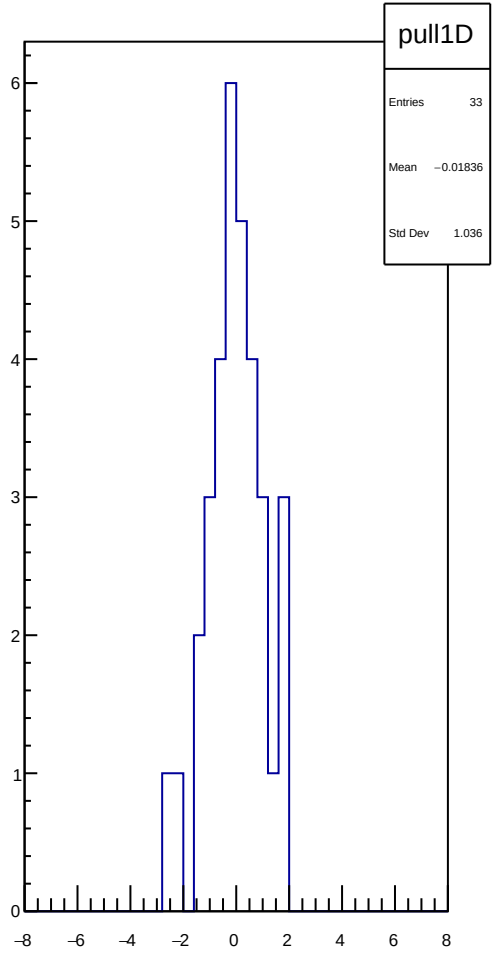

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 398.6 / 32
p0 −3.893 ± 0.1225
0
−2
−4
−6
−8
−10
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.52
Std Dev 8.965
15
10
5
0
−5
pull1D
Entries 33
Mean −1.779
Std Dev 1.188
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

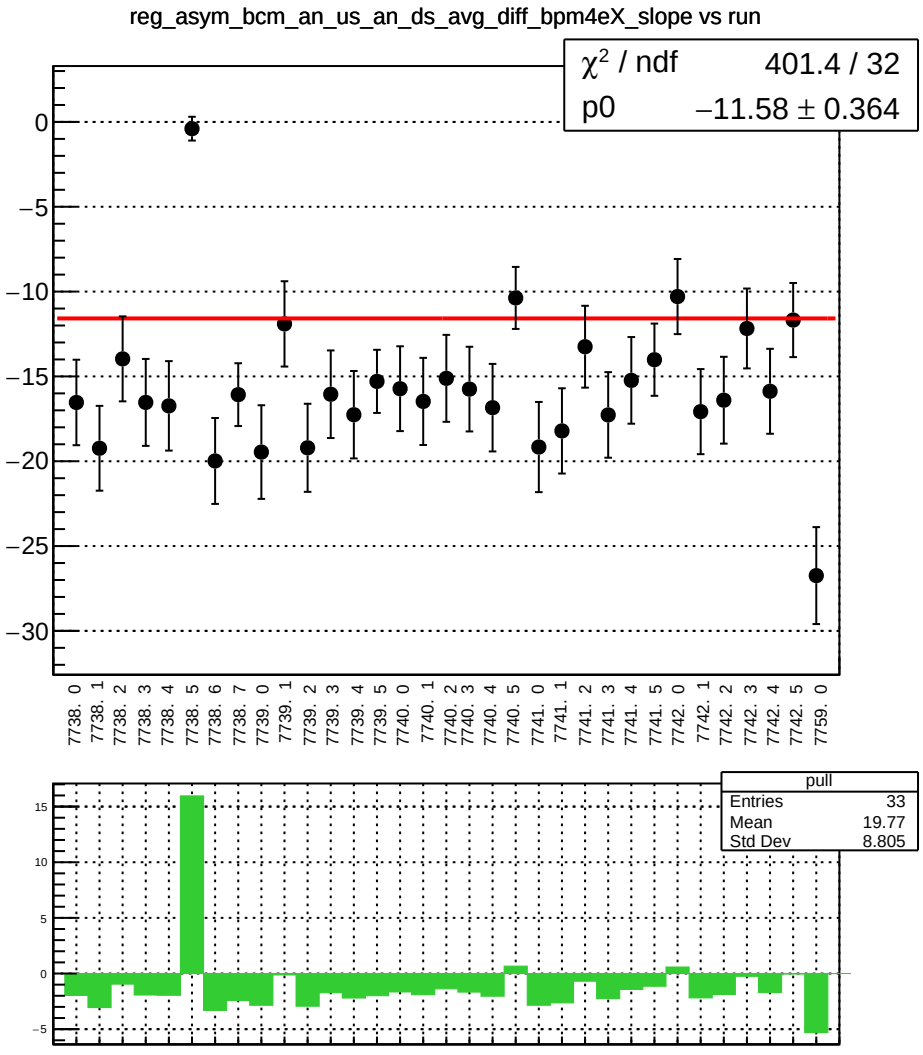

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.84 / 32
p0 1.355 ± 0.2722
pull
Entries 33
Mean −111.2
Std Dev 0
pull1D
Entries 33
Mean −0.01892
Std Dev 0.9821

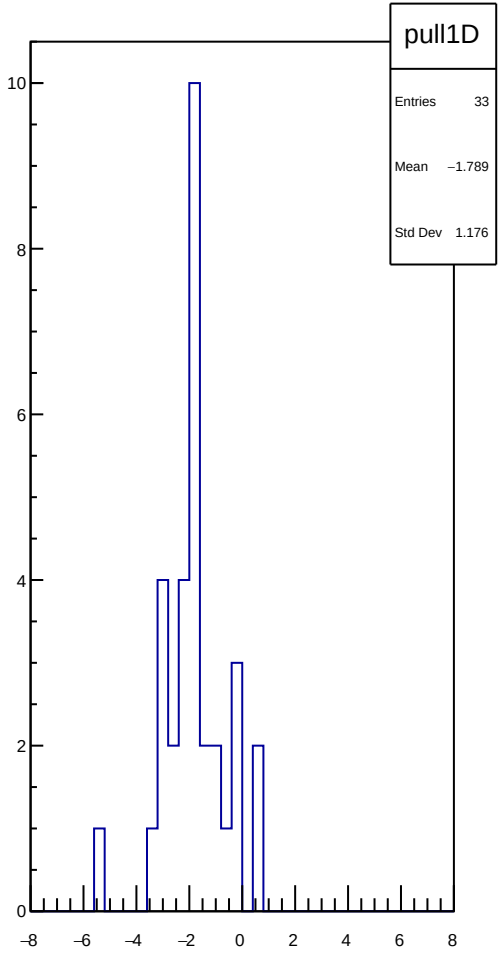

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 64.48 / 32
p0 0.2456 ± 0.008994
0.4
0.3
0.2
0.1
0
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.45
Std Dev 3.778
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 33
Mean 0.1209
Std Dev 1.393
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

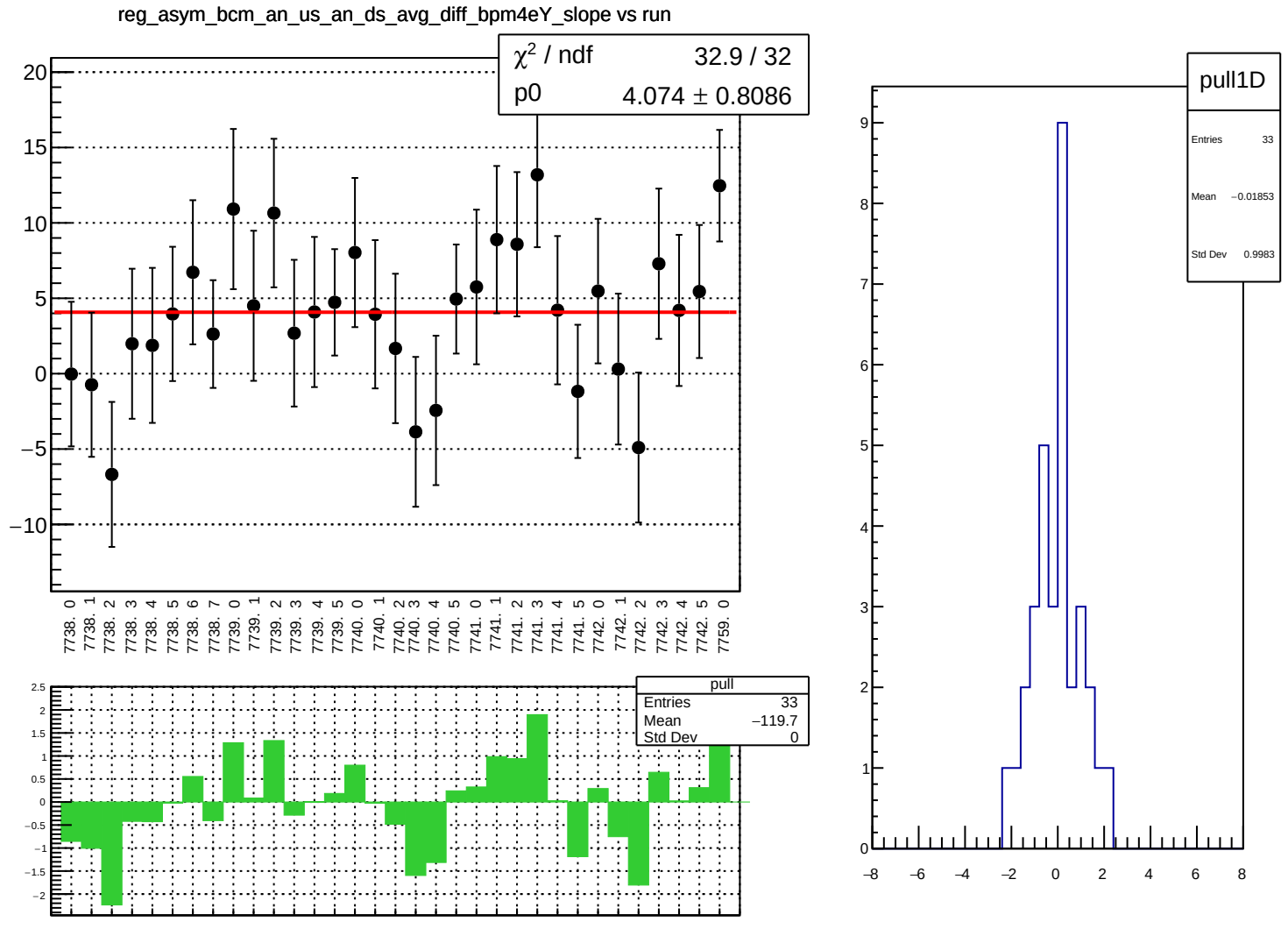

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 334.6 / 32
p0 12.06 ± 0.3697
pull
Entries 33
Mean 20.99
Std Dev 8.648
pull1D
Entries 33
Mean 1.481
Std Dev 1.233

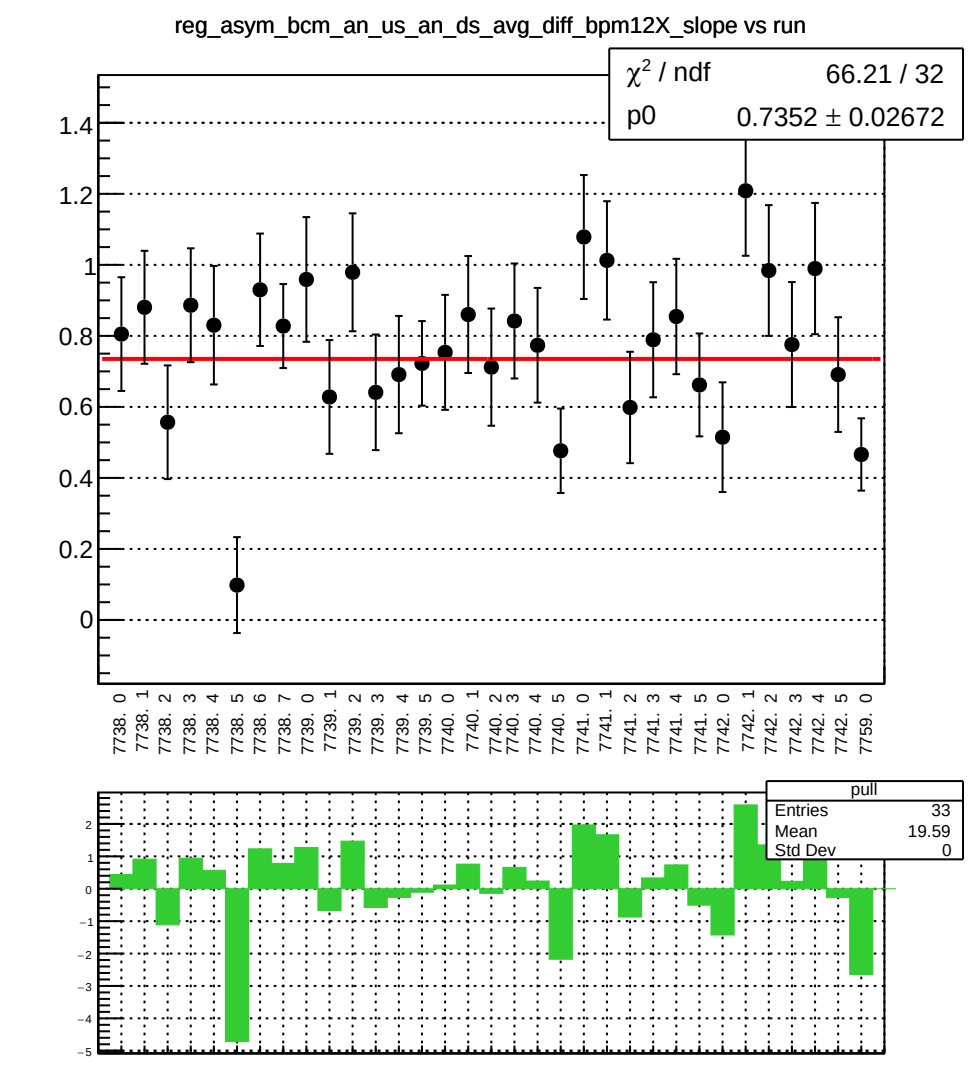

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.42 / 32
p0 −2.506 ± 0.4412
5
0
−5
−10
−15
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 172.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

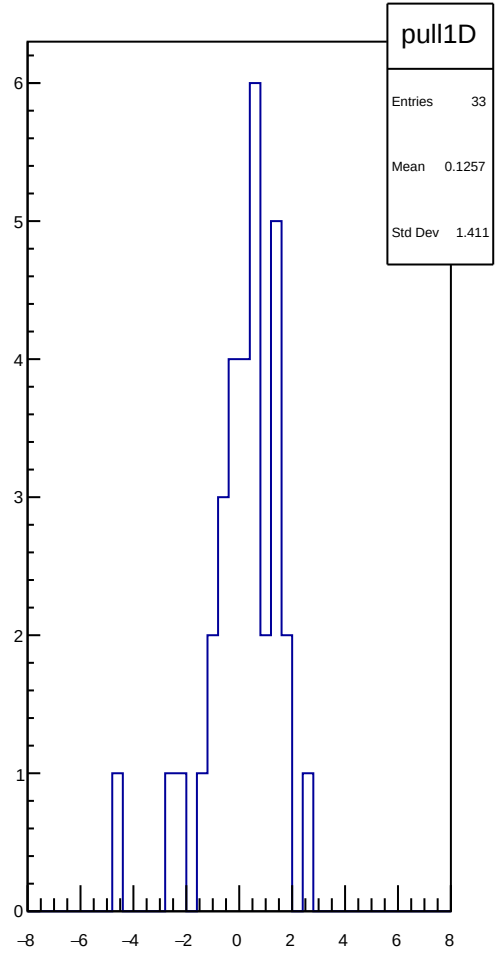

pull1D
Entries 33
Mean −0.01836
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

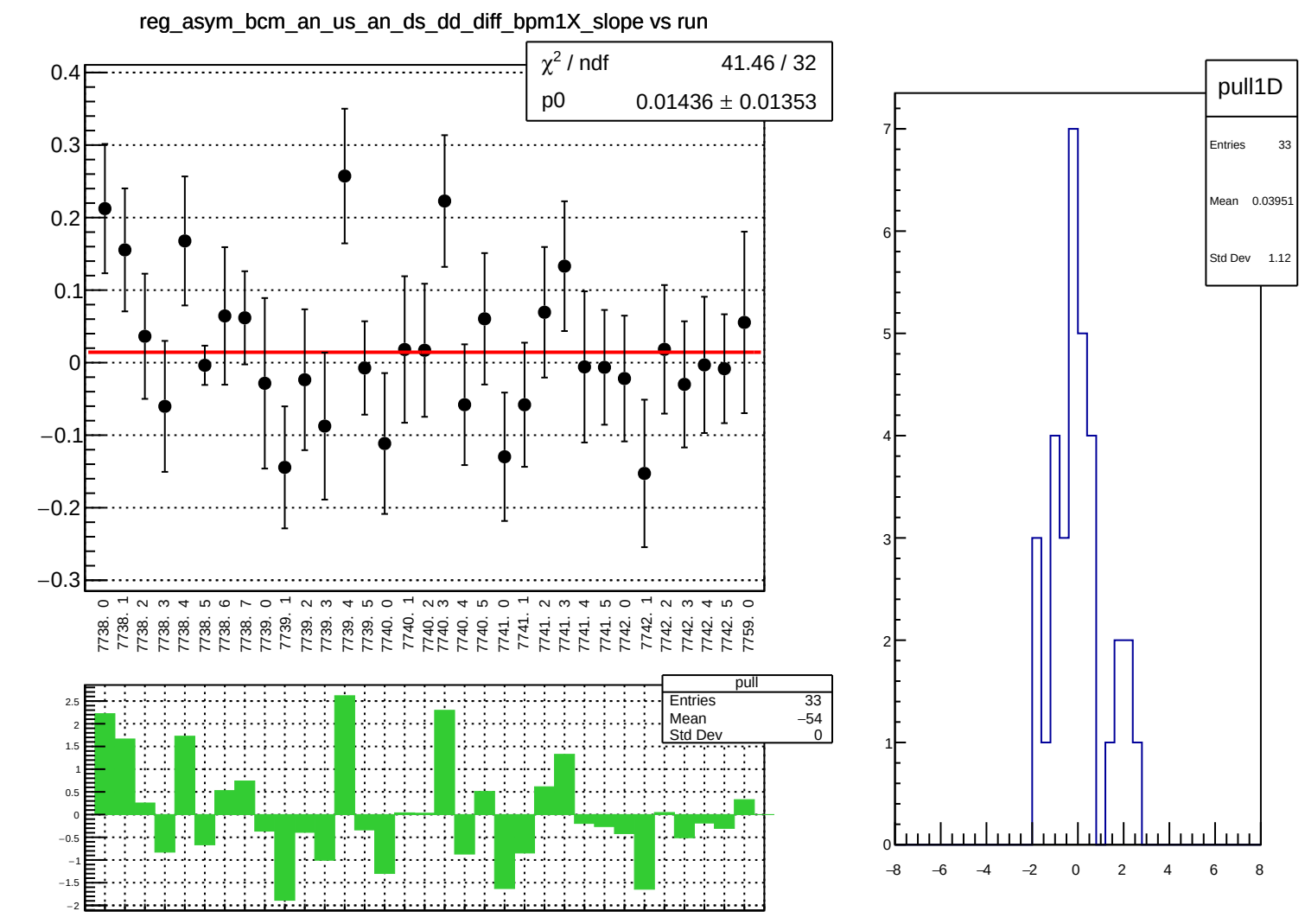

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 401.4 / 32
p0 −11.58 ± 0.364
0
−5
−10
−15
−20
−25
−30
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 19.77
Std Dev 8.805
15
10
5
0
−5

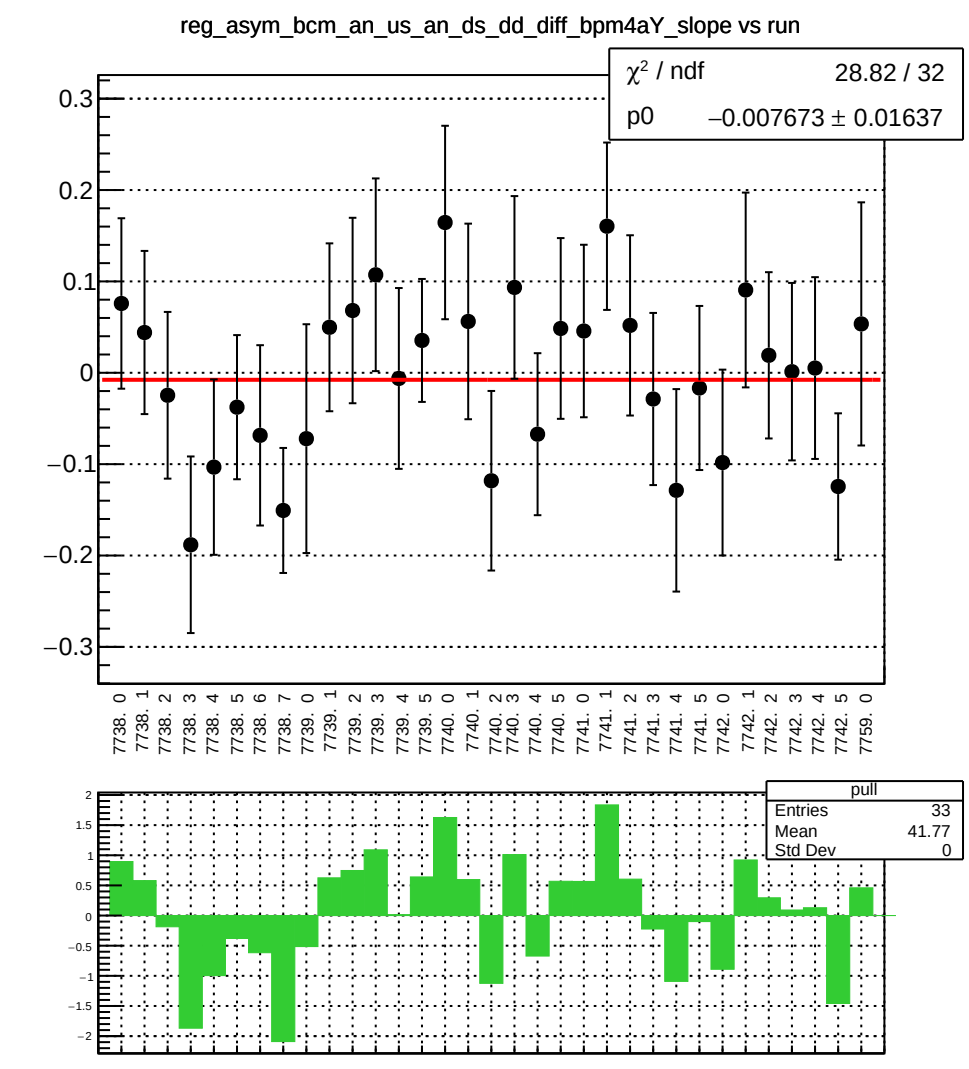

pull1D
Entries 33
Mean −1.789
Std Dev 1.176
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

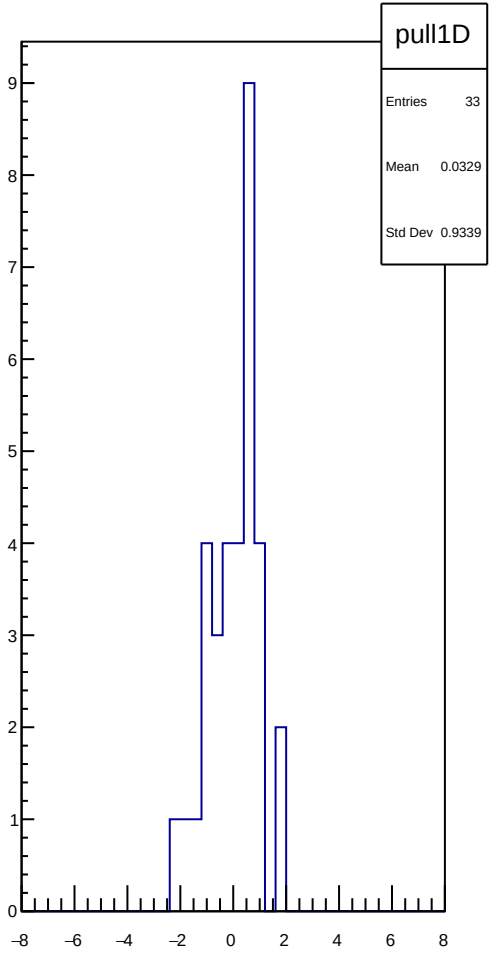

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.9 / 32
p0 4.074 ± 0.8086
pull
Entries 33
Mean −119.7
Std Dev 0
pull1D
Entries 33
Mean −0.01853
Std Dev 0.9983

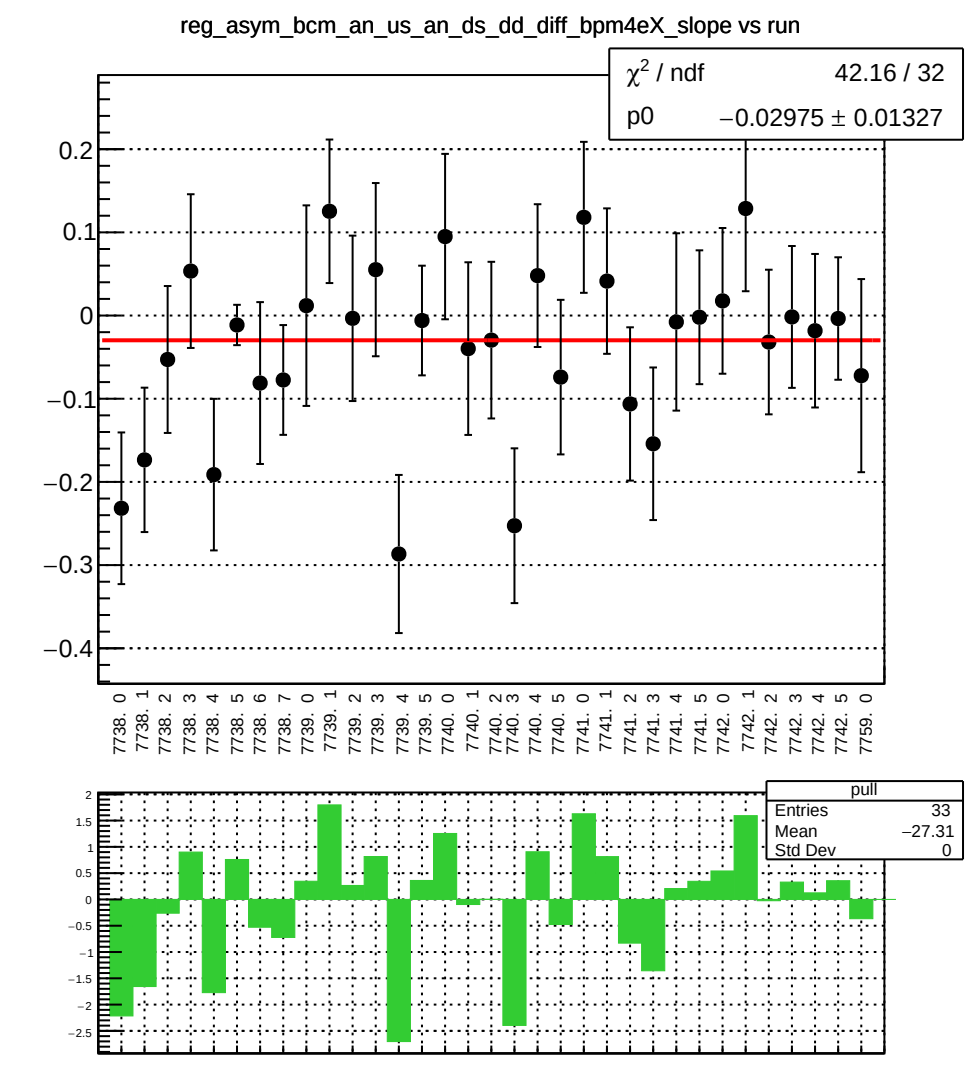

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 66.21 / 32
p0 0.7352 ± 0.02672
pull
Entries 33
Mean 19.59
Std Dev 0

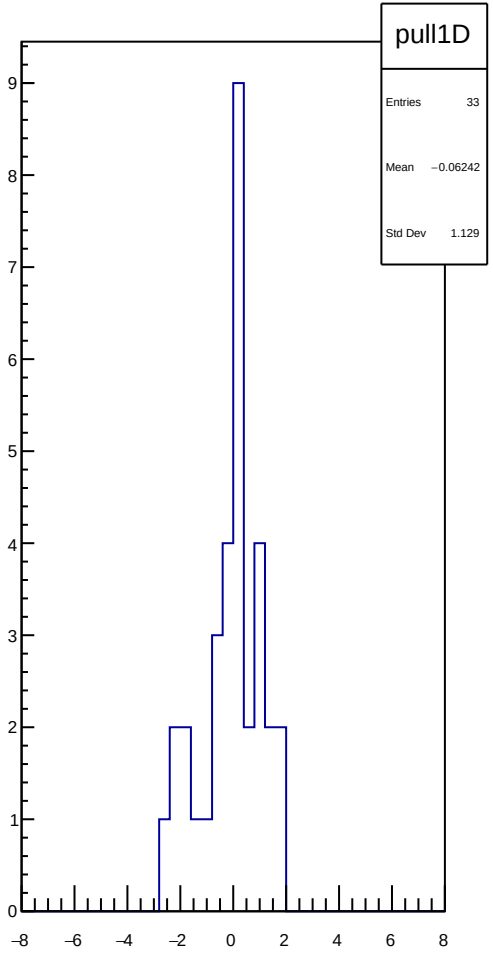

pull1D
Entries 33
Mean 0.1257
Std Dev 1.411

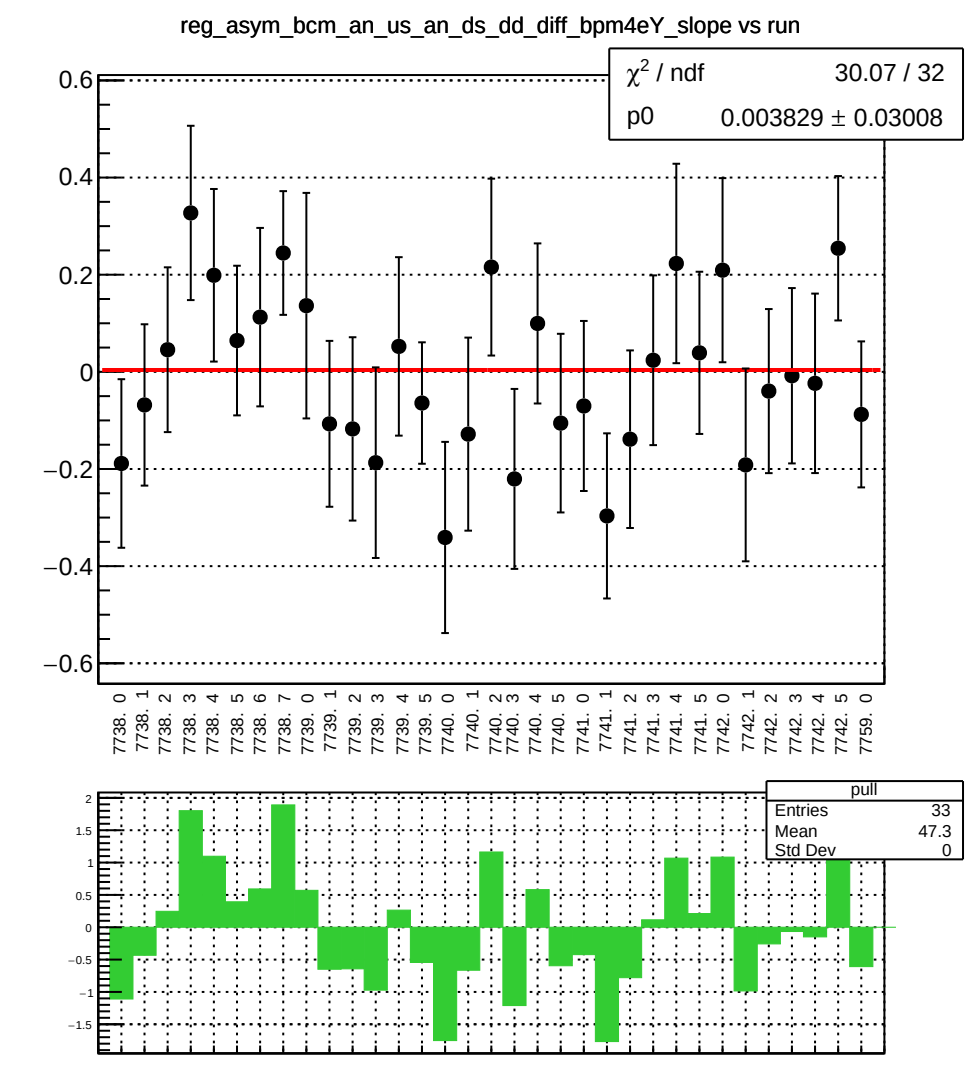

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 41.46 / 32
p0 0.01436 ± 0.01353
pull
Entries 33
Mean −54
Std Dev 0
pull1D
Entries 33
Mean 0.03951
Std Dev 1.12

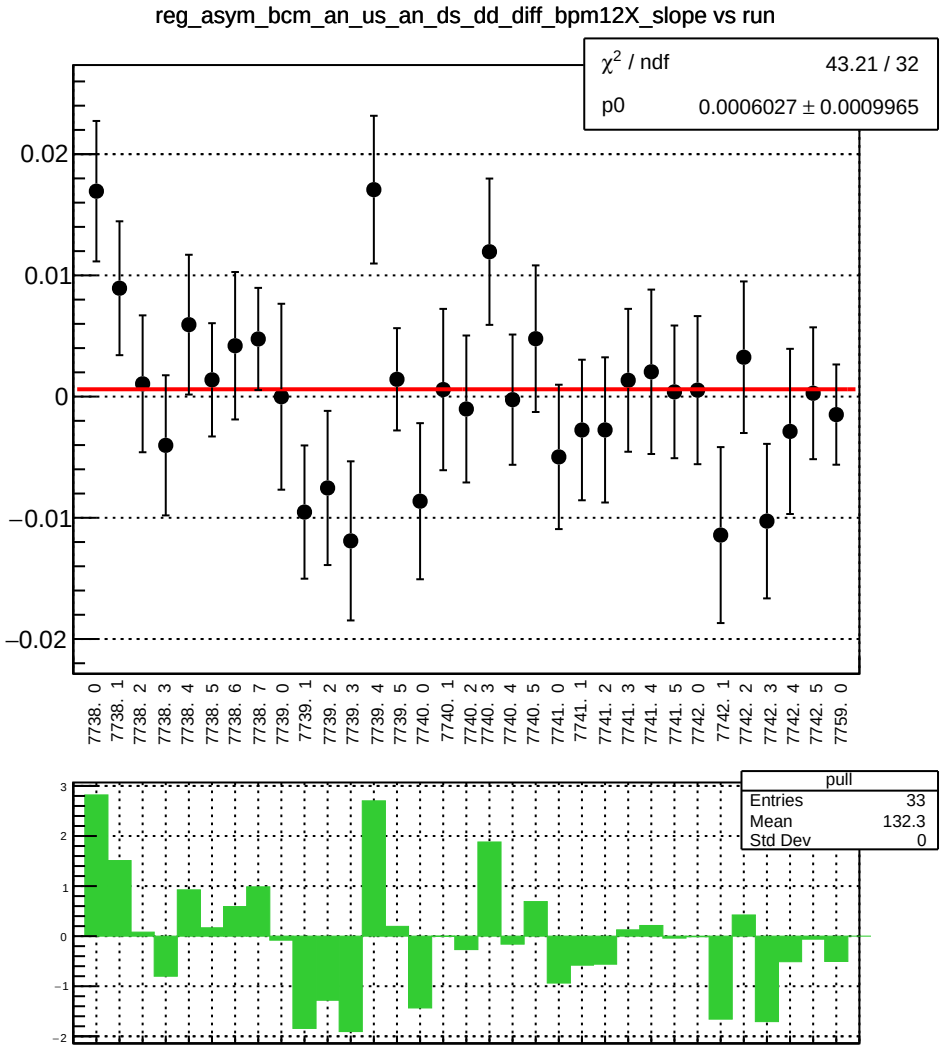

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.82 / 32
p0 −0.007673 ± 0.01637
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 41.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

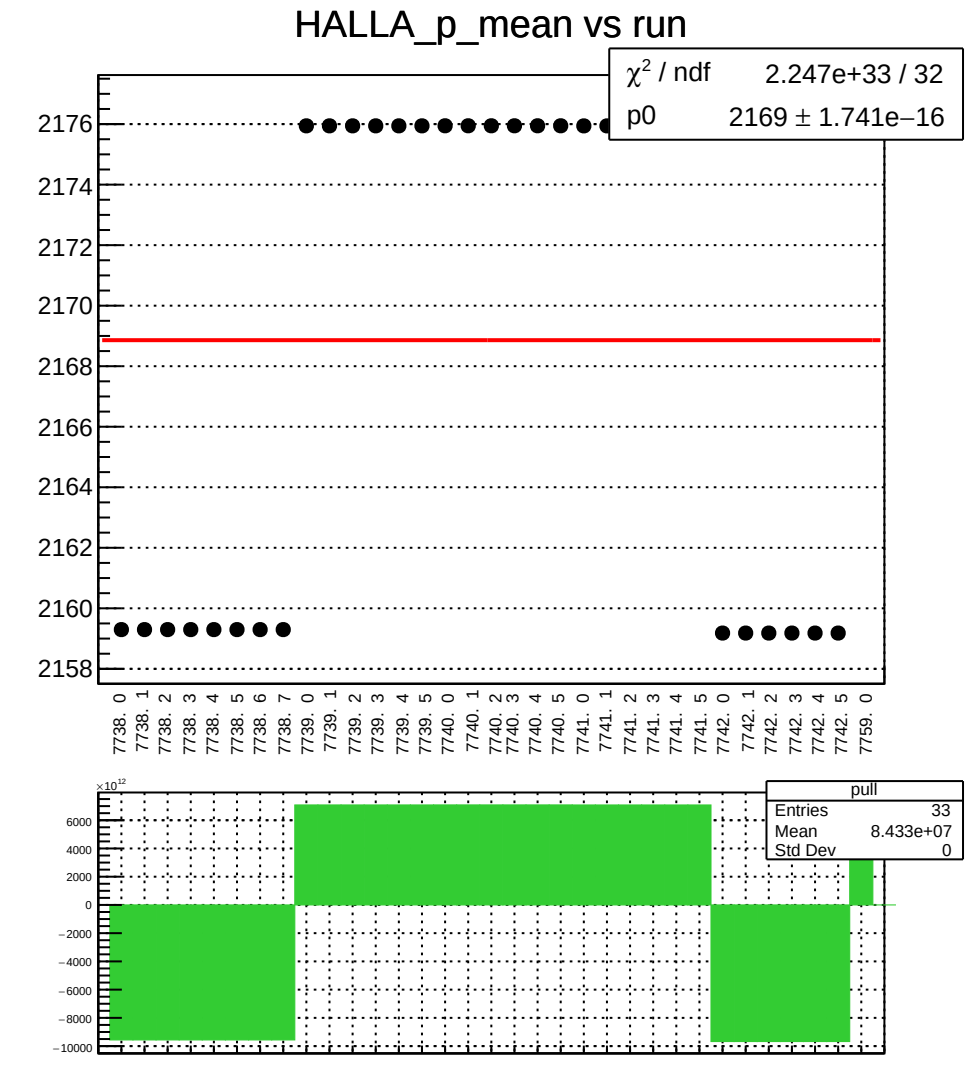

pull1D
Entries 33
Mean 0.0329
Std Dev 0.9339
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

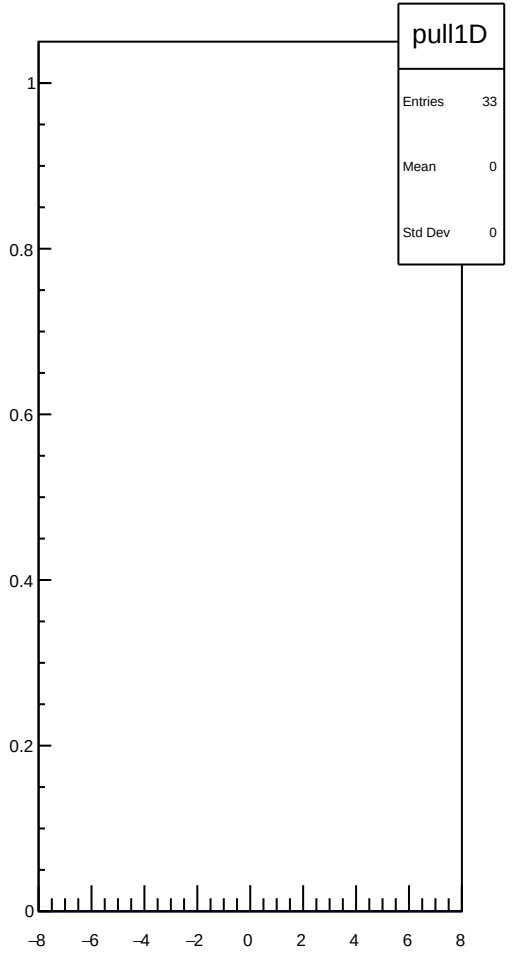

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.16 / 32
p0 −0.02975 ± 0.01327
pull
Entries 33
Mean −27.31
Std Dev 0

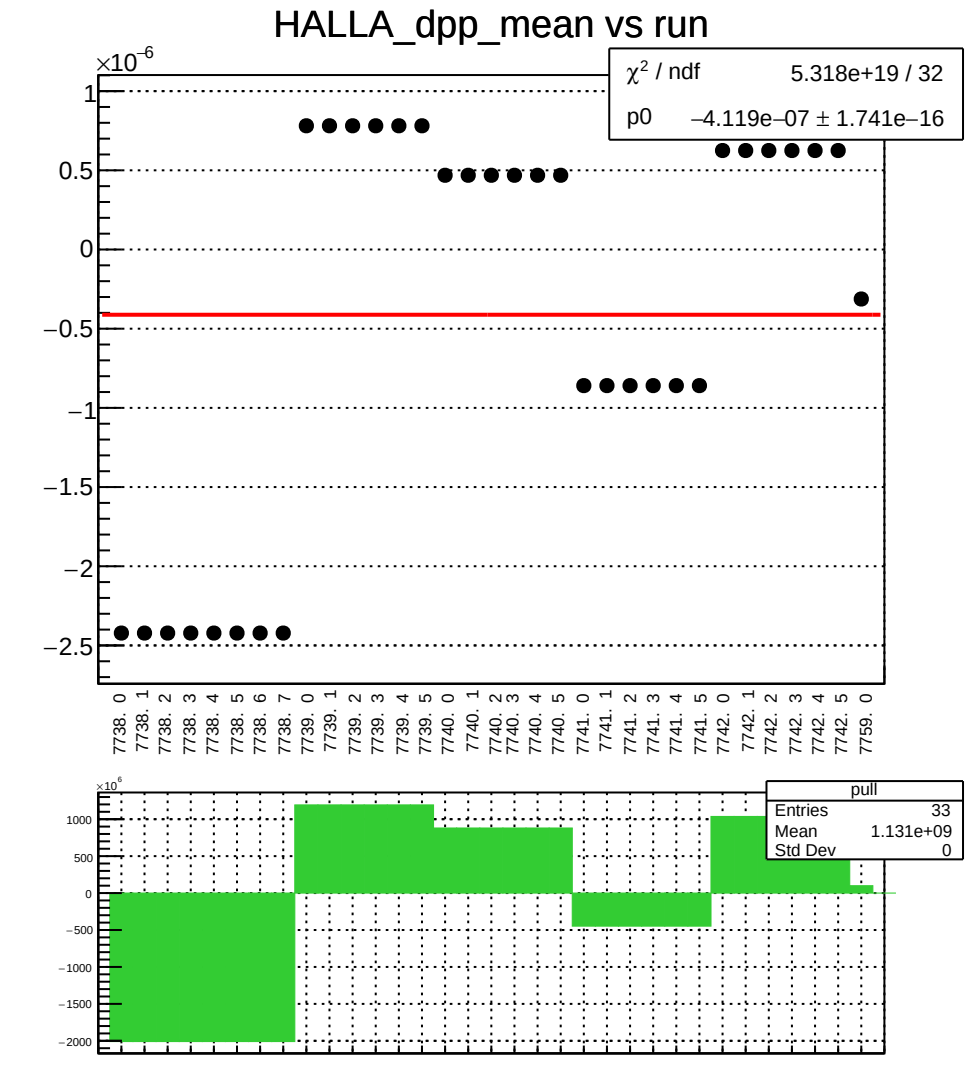

pull1D
Entries 33
Mean −0.06242
Std Dev 1.129

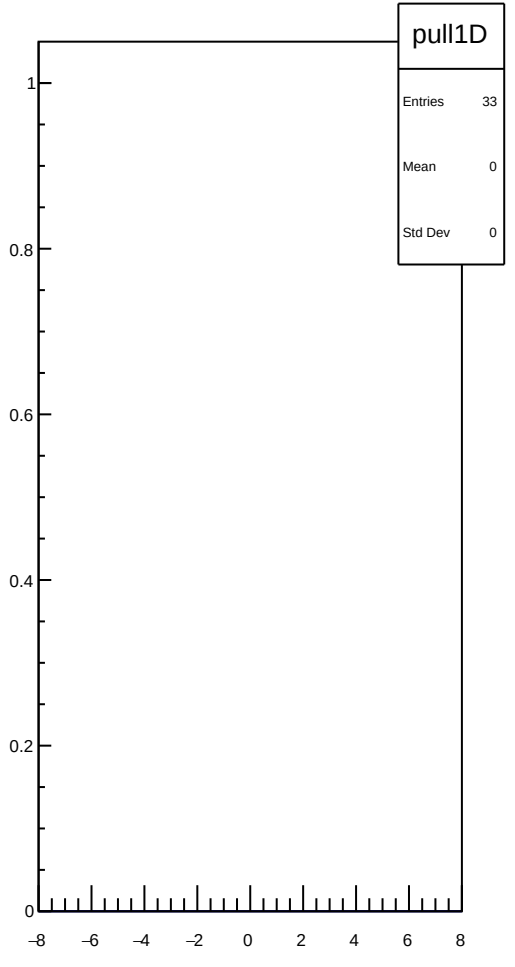

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.07 / 32
p0 0.003829 ± 0.03008
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 47.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 33
Mean −0.02544
Std Dev 0.9542
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

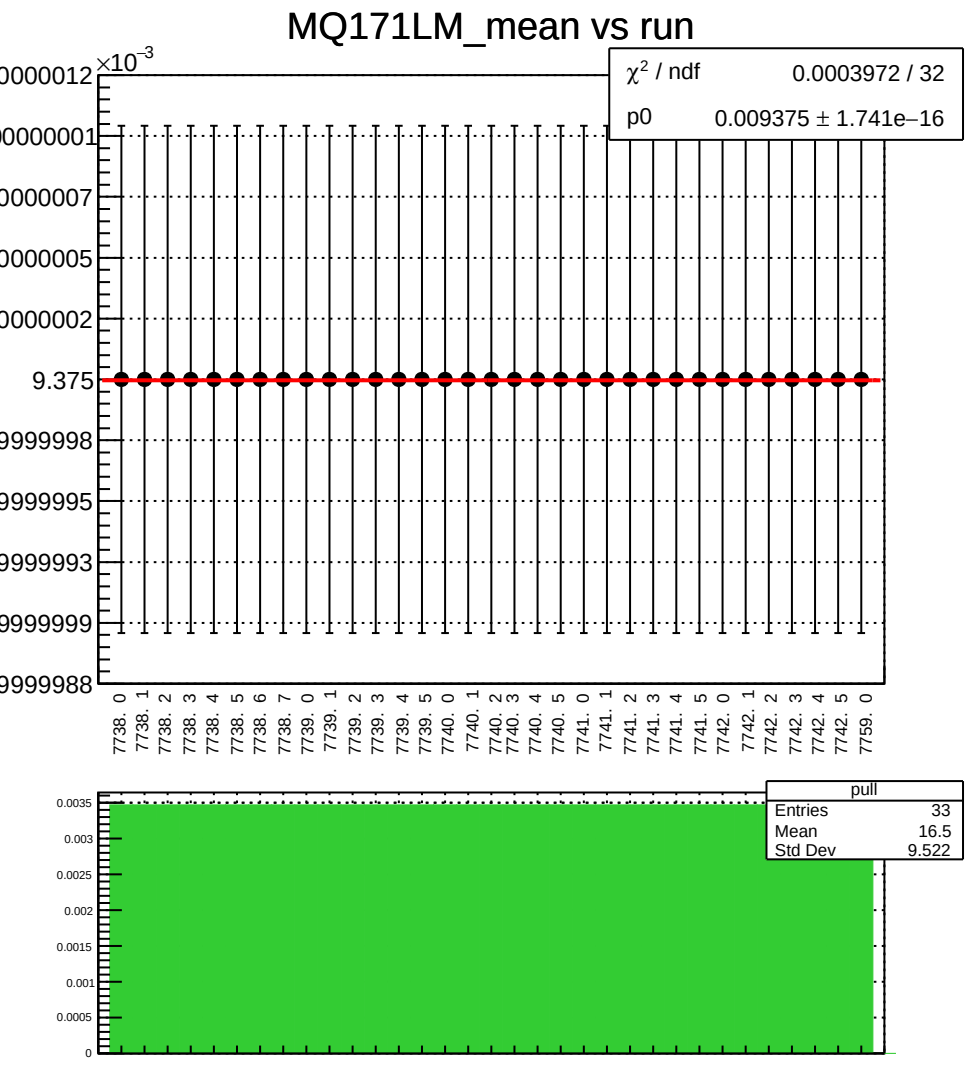

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 43.21 / 32
p0 0.0006027 ± 0.0009965
0.02
0.01
0
−0.01
−0.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 132.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 33
Mean −0.03132
Std Dev 1.144
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

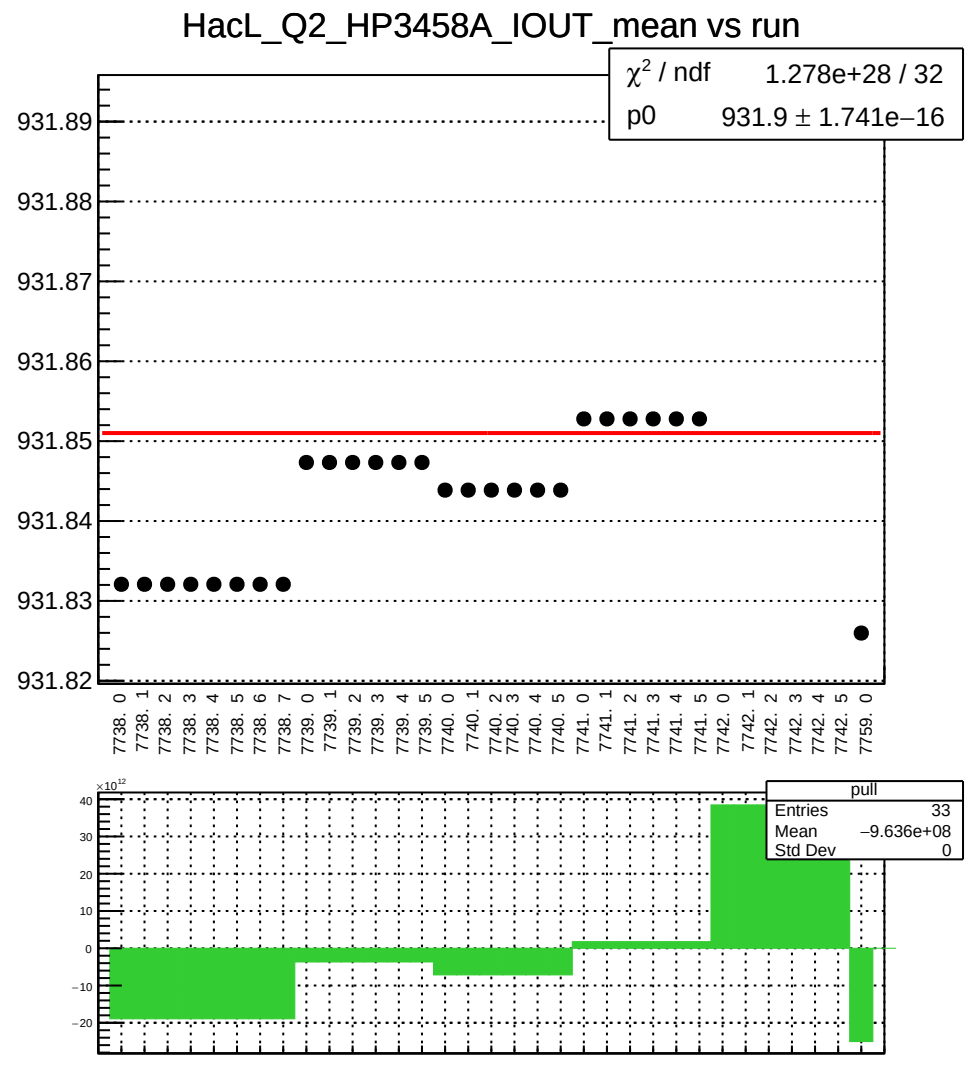

HALLA_p_mean vs run
χ² / ndf 2.247e+33 / 32
p0 2169 ± 1.741e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
×10¹²
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 33
Mean 8.433e+07
Std Dev 0

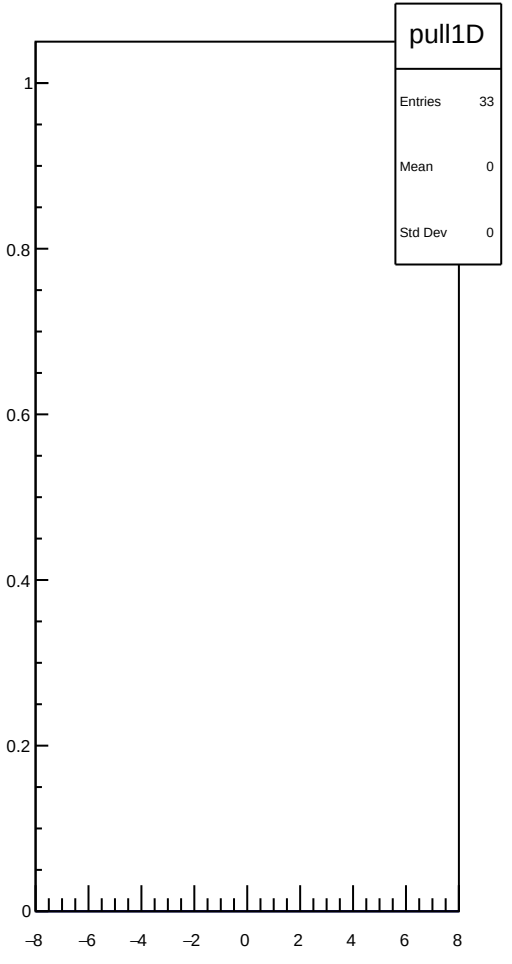

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

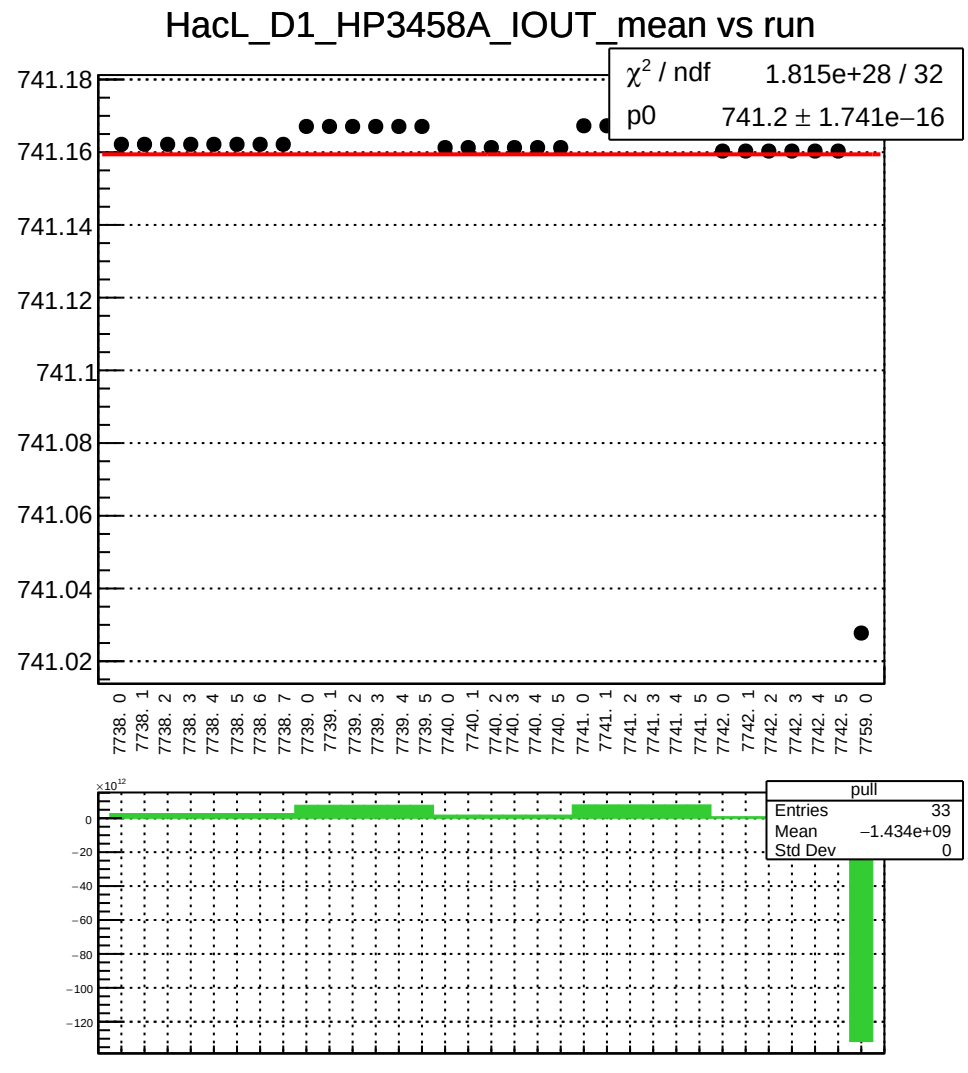

HALLA_dpp_mean vs run
χ² / ndf 5.318e+19 / 32
p0 −4.119e−07 ± 1.741e−16
×10⁻⁶
pull
Entries 33
Mean 1.131e+09
Std Dev 0

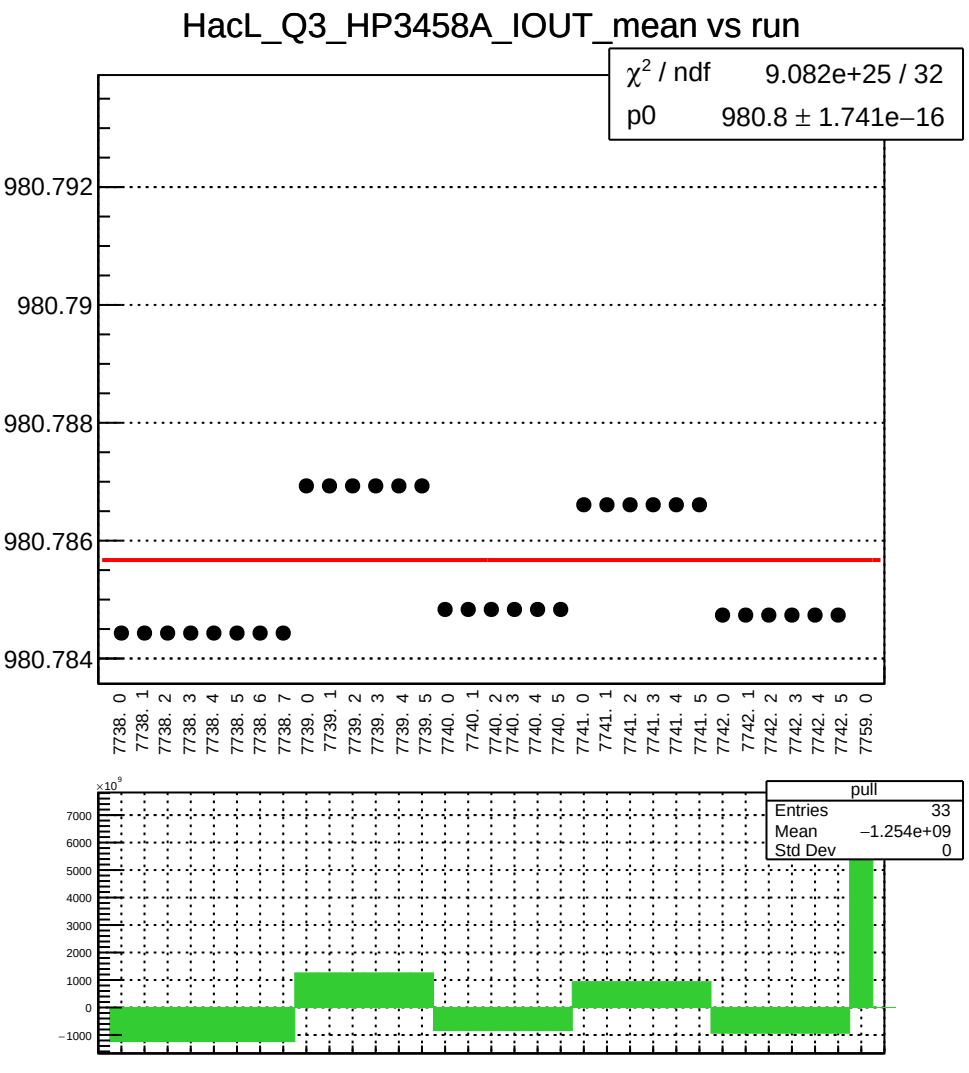

pull1D
Entries 33
Mean 0
Std Dev 0

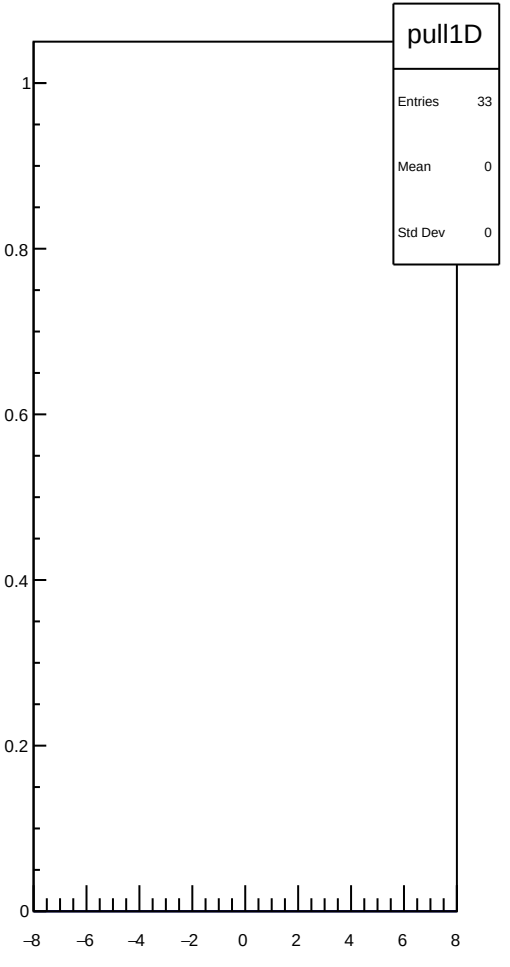

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0.0003972 / 32
p0 0.009375 ± 1.741e−16
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
pull1D
Entries 33
Mean 0.003469
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

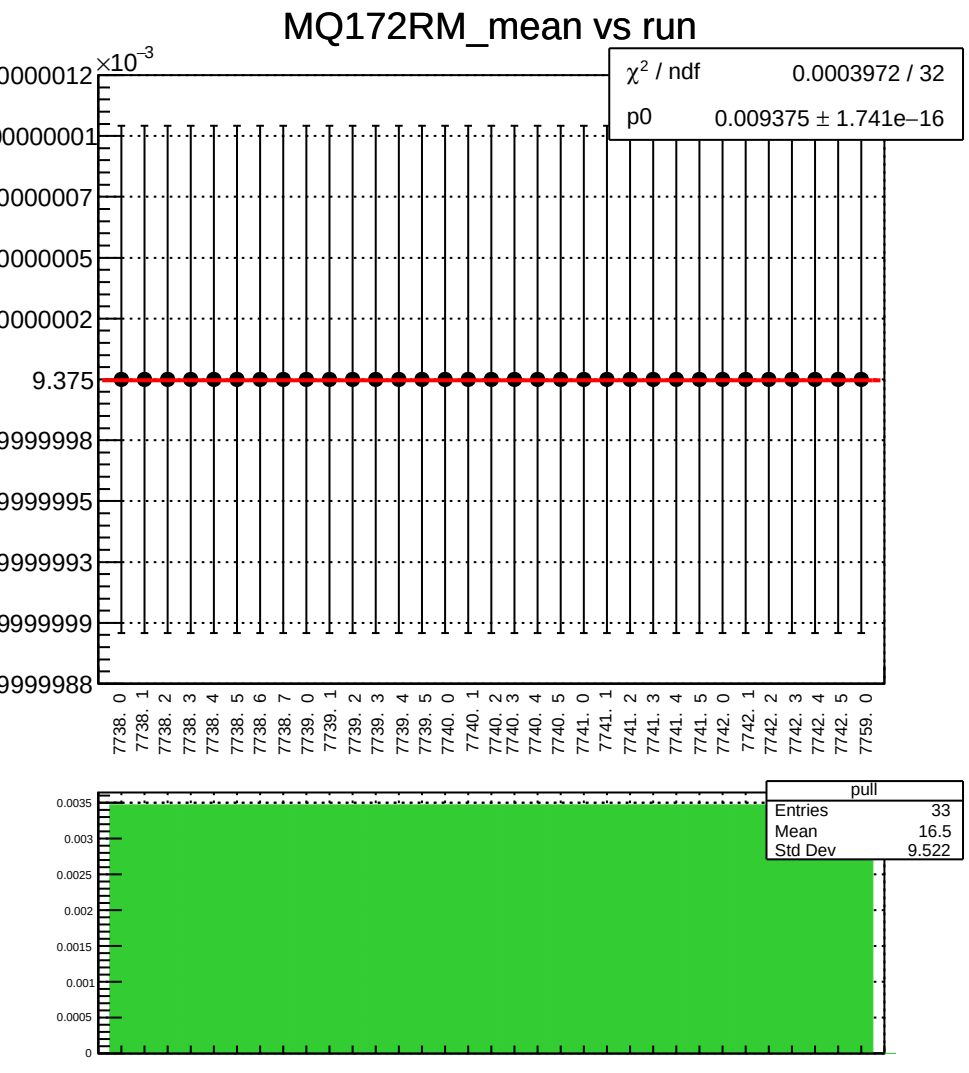

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.278e+28 / 32
p0 931.9 ± 1.741e−16
931.89
931.88
931.87
931.86
931.85
931.84
931.83
931.82
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
×10¹²
40
30
20
10
0
−10
−20
pull
Entries 33
Mean −9.636e+08
Std Dev 0

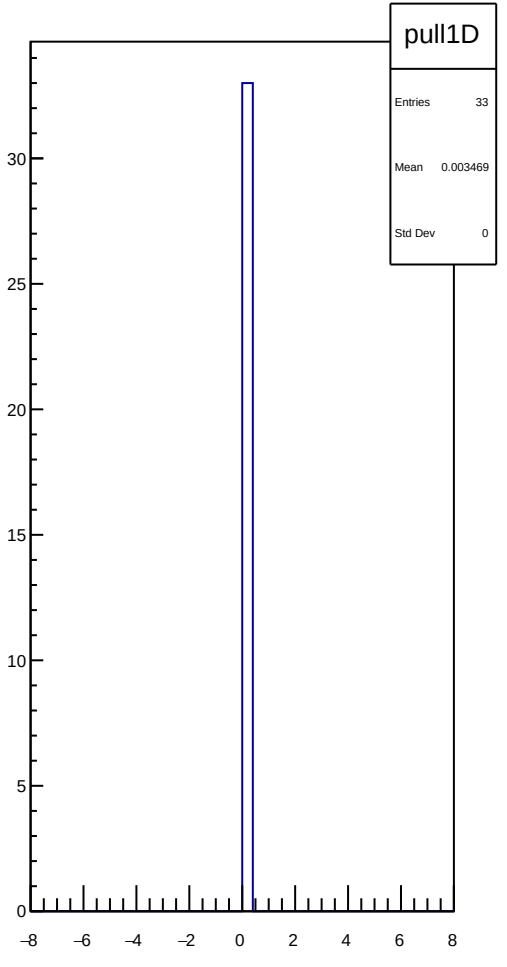

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

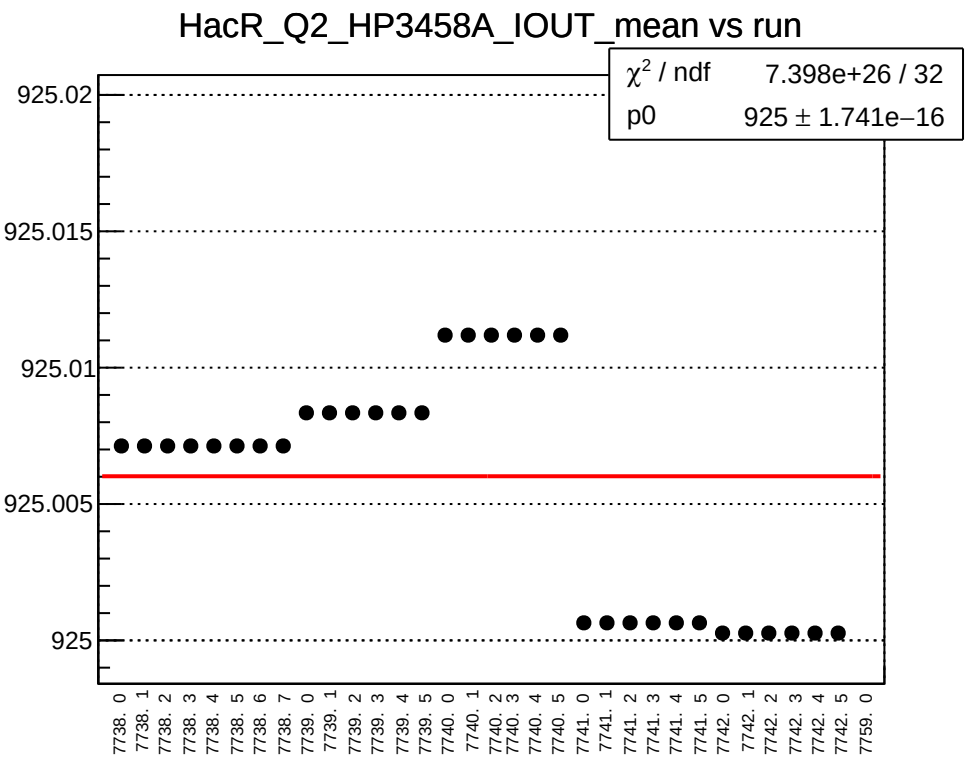

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.815e+28 / 32
p0 741.2 ± 1.741e−16
741.18
741.16
741.14
741.12
741.1
741.08
741.06
741.04
741.02
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
×10¹²
0
−20
−40
−60
−80
−100
−120
pull
Entries 33
Mean −1.434e+09
Std Dev 0
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

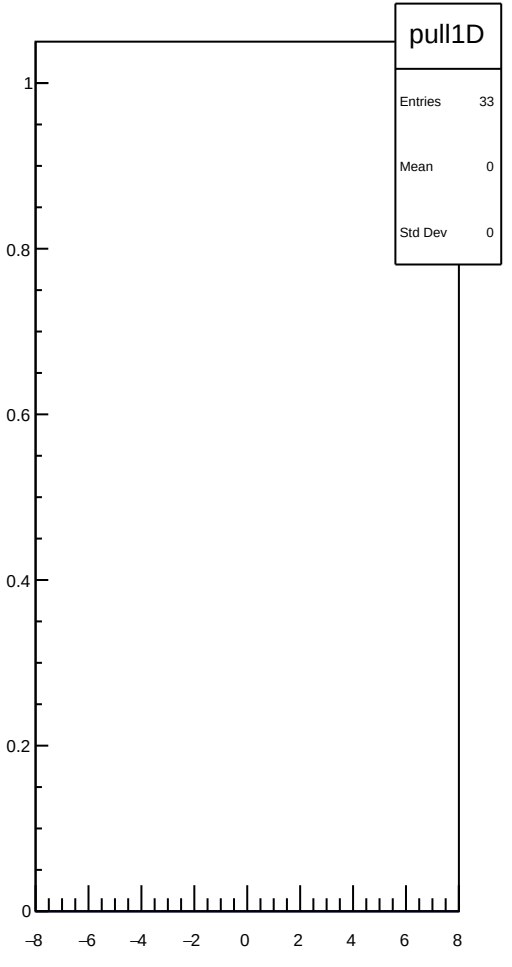

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 9.082e+25 / 32
p0 980.8 ± 1.741e−16
980.792
980.79
980.788
980.786
980.784
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
×10⁹
7000
6000
5000
4000
3000
2000
1000
0
−1000
pull
Entries 33
Mean −1.254e+09
Std Dev 0

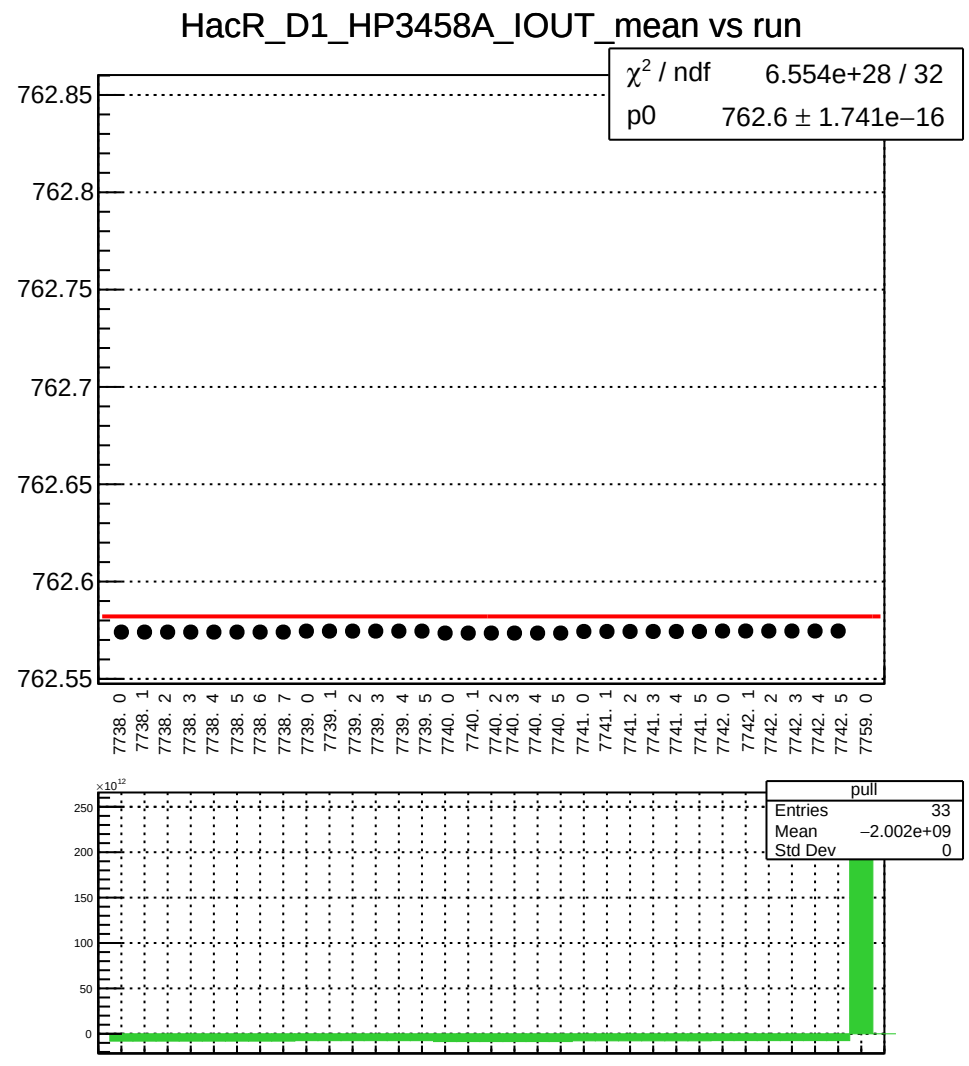

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

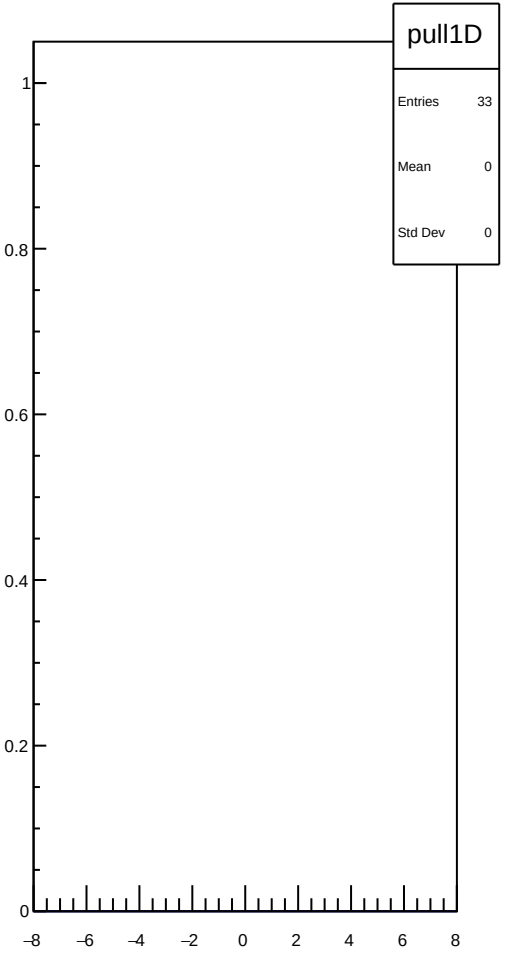

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0.0003972 / 32
p0 0.009375 ± 1.741e−16
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0

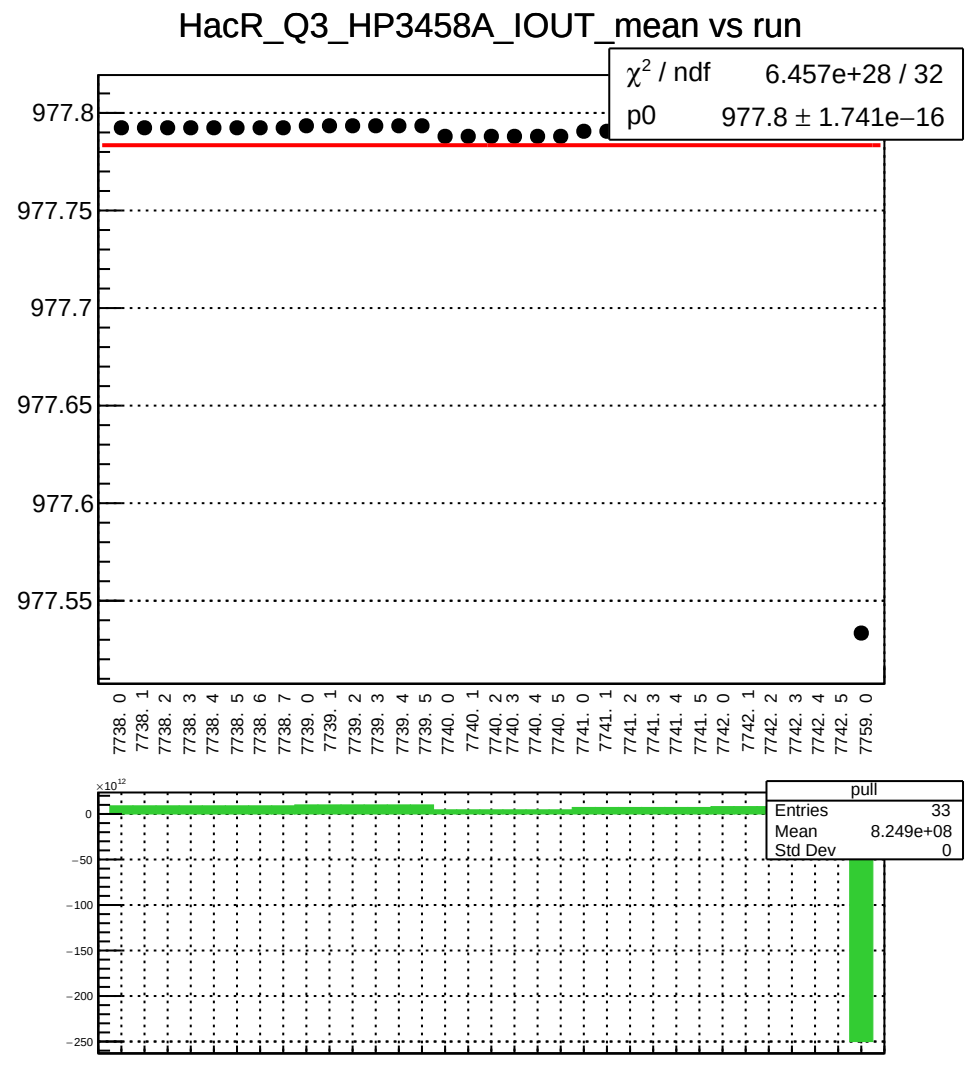

pull1D
Entries 33
Mean 0.003469
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

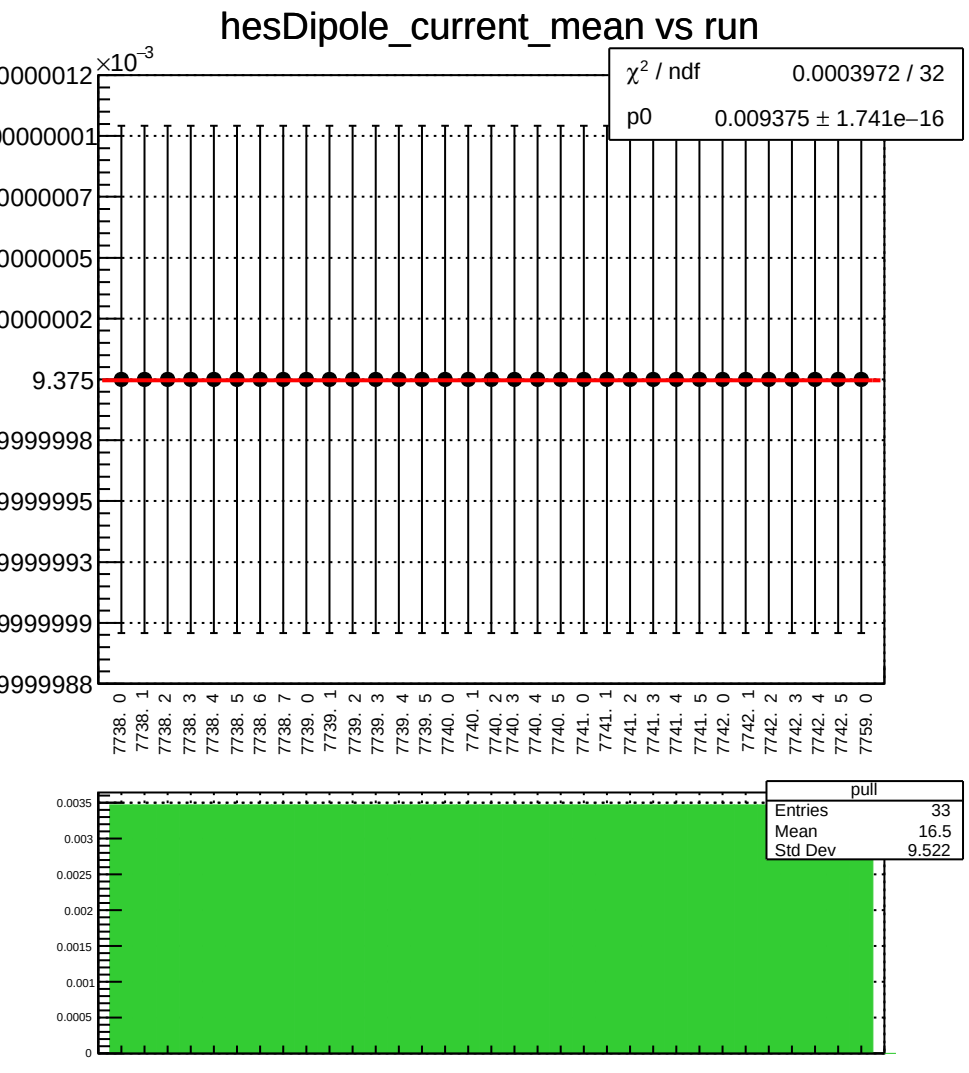

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 7.398e+26 / 32
p0 925 ± 1.741e−16
925.02
925.015
925.01
925.005
925
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
×10¹²
12
10
8
6
4
2
0
−2
−4
−6
pull
Entries 33
Mean 5.794e+08
Std Dev 0

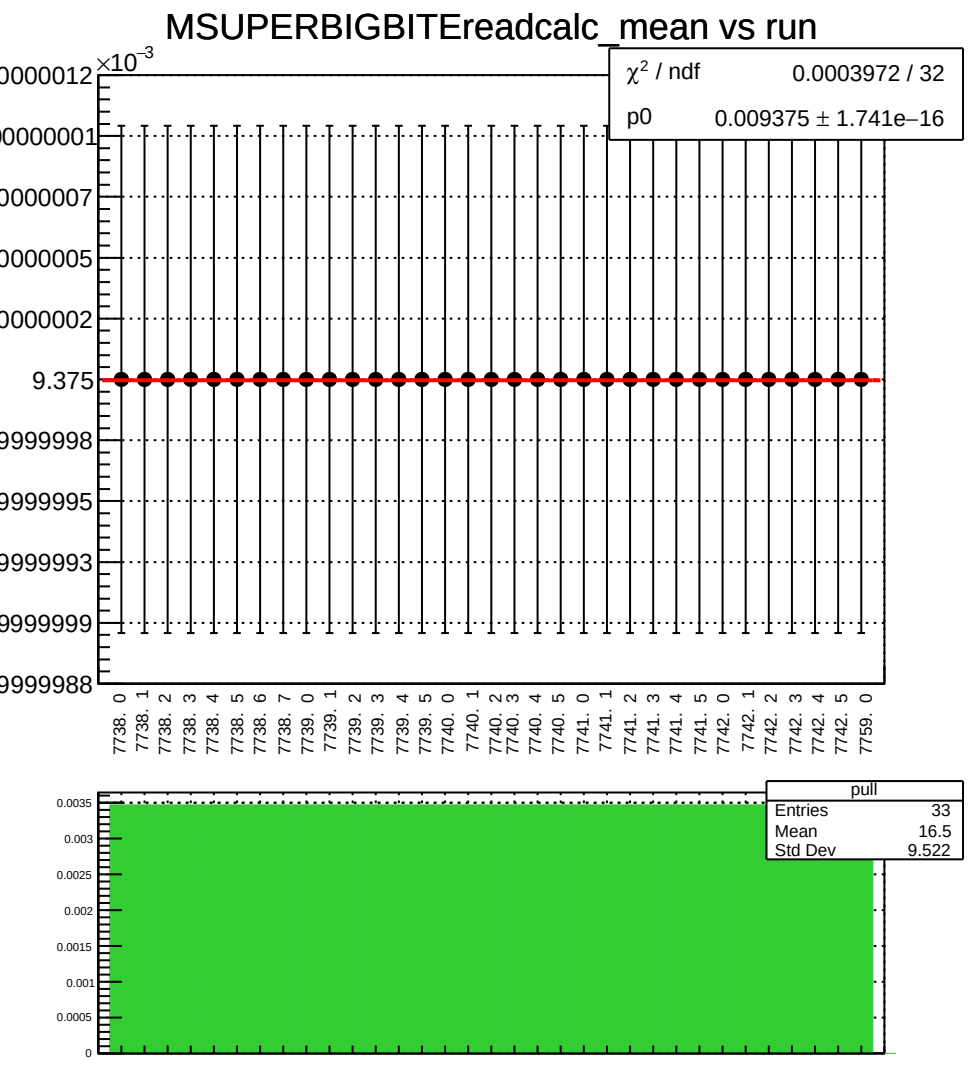

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

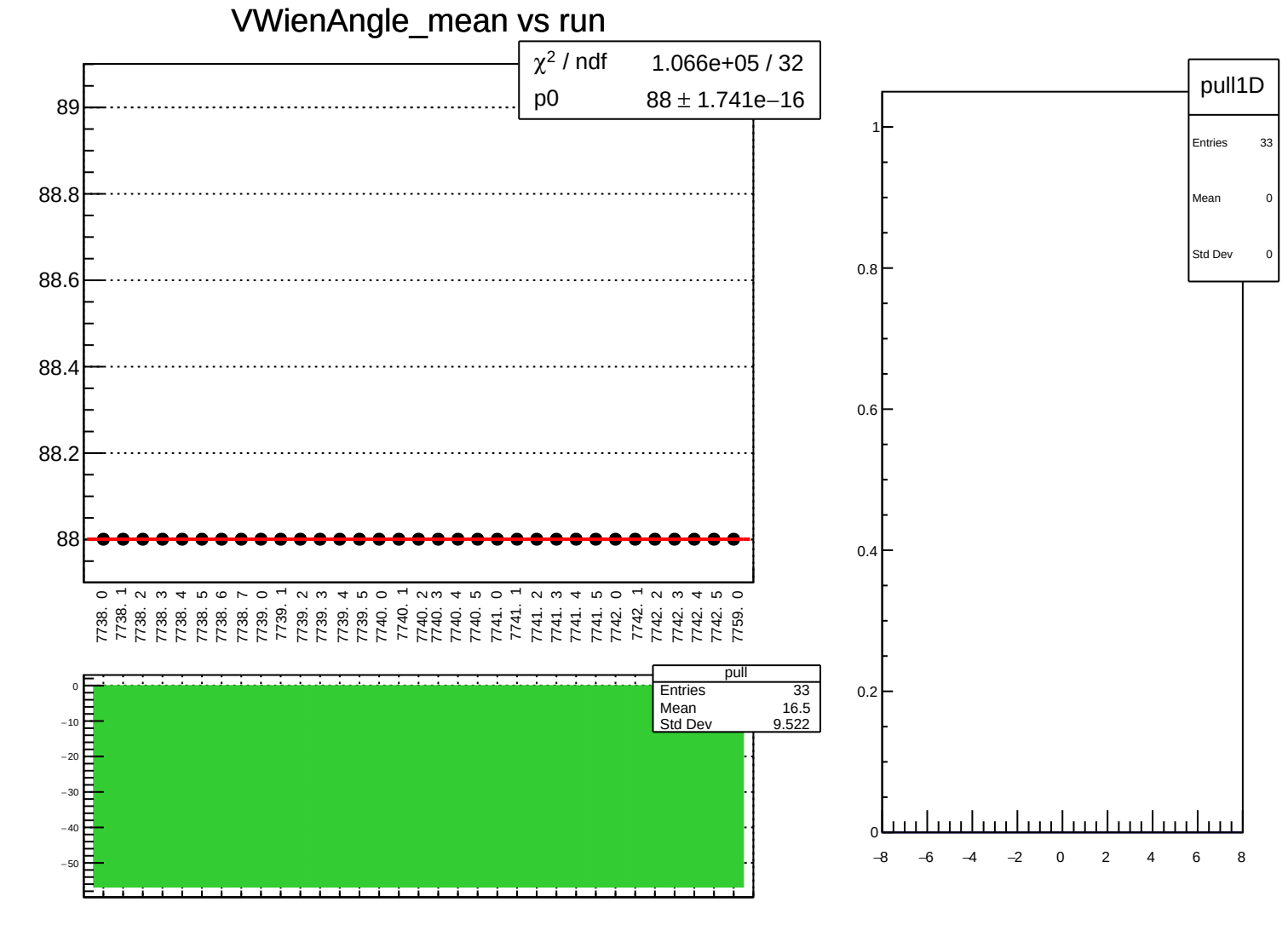

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 6.554e+28 / 32
p0 762.6 ± 1.741e−16
762.85
762.8
762.75
762.7
762.65
762.6
762.55
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
×10¹²
250
200
150
100
50
0
pull
Entries 33
Mean −2.002e+09
Std Dev 0

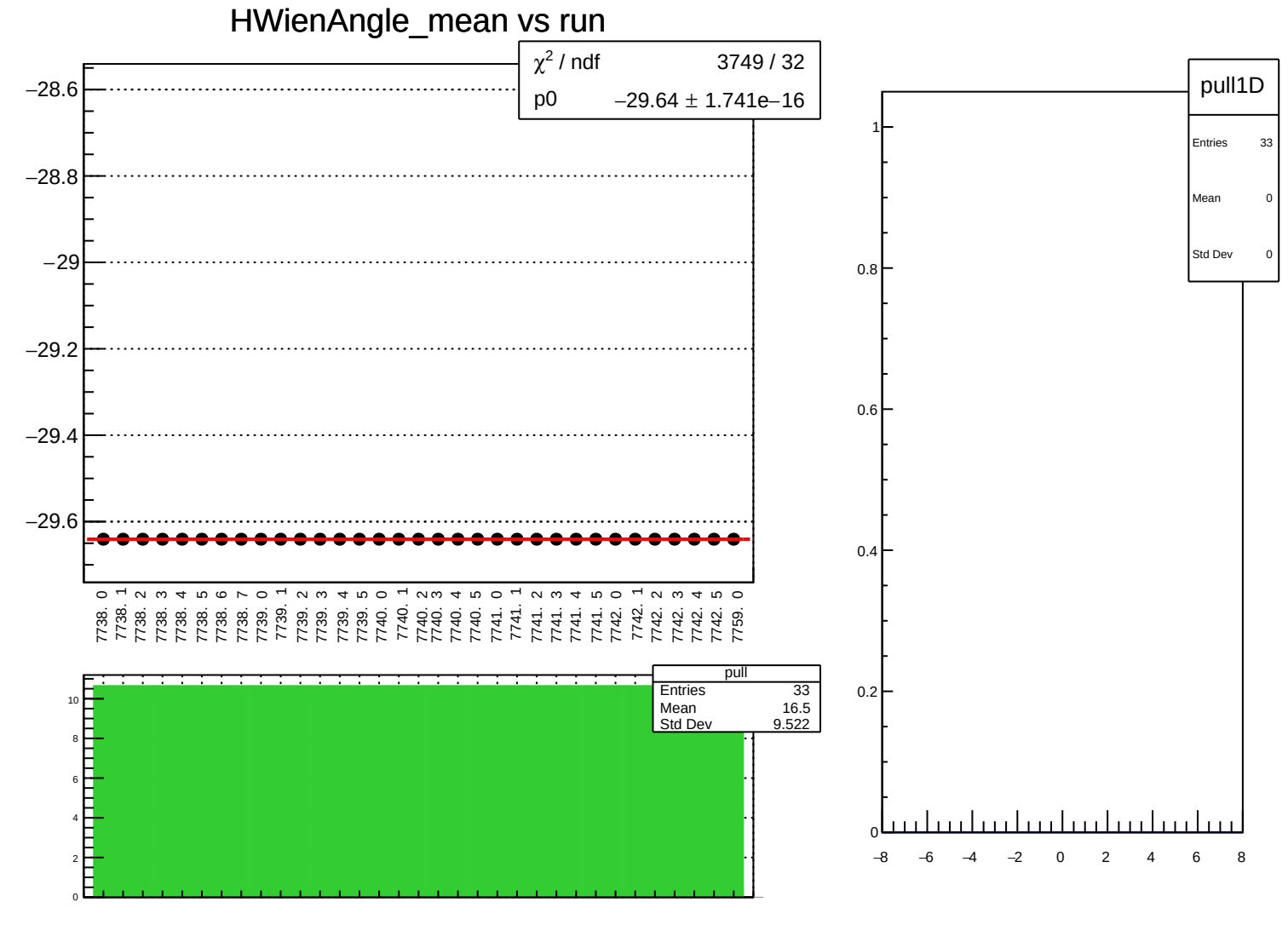

pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

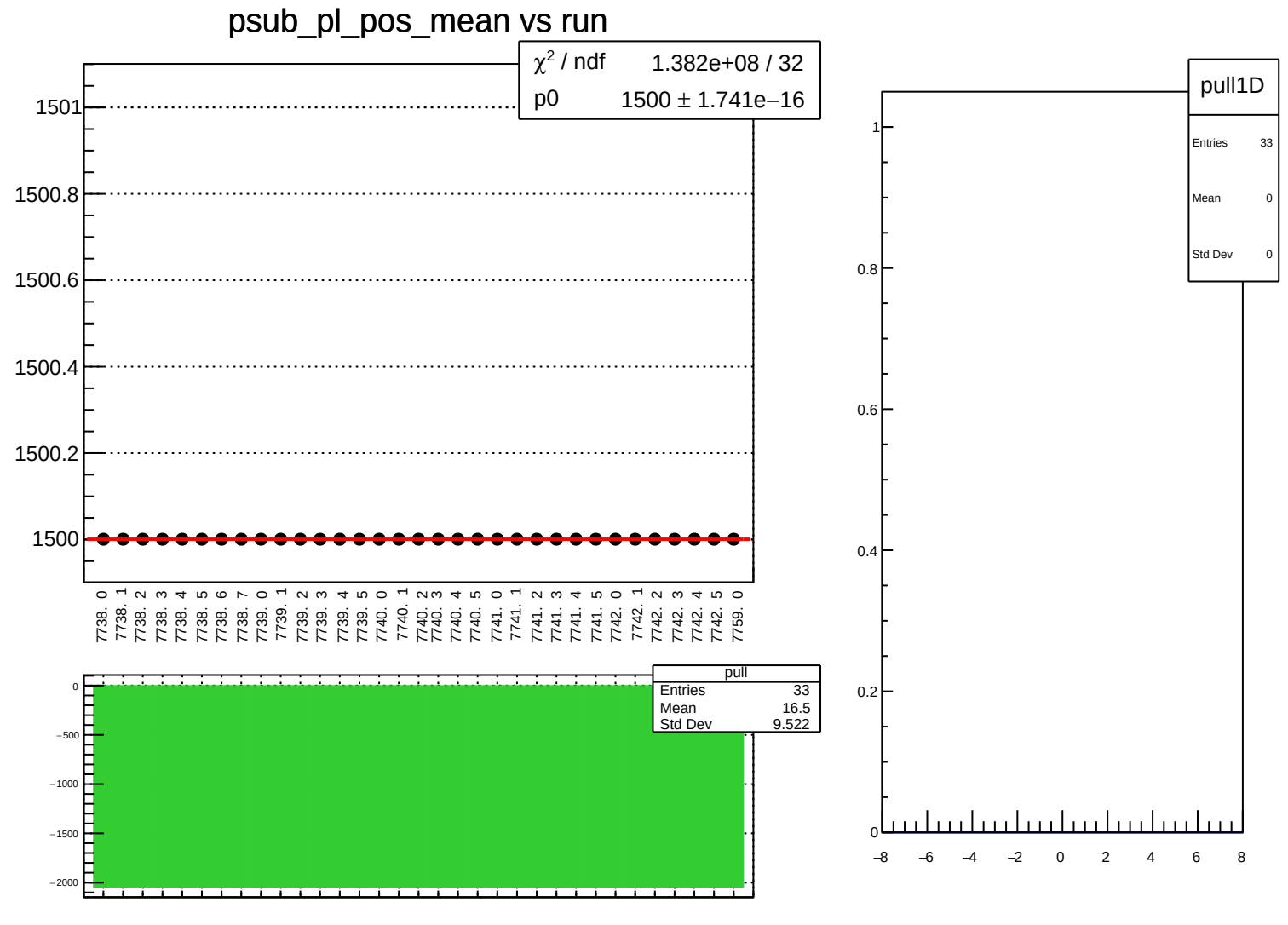

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 6.457e+28 / 32
p0 977.8 ± 1.741e−16
977.8
977.75
977.7
977.65
977.6
977.55
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
×10¹²
0
−50
−100
−150
−200
−250
pull
Entries 33
Mean 8.249e+08
Std Dev 0
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

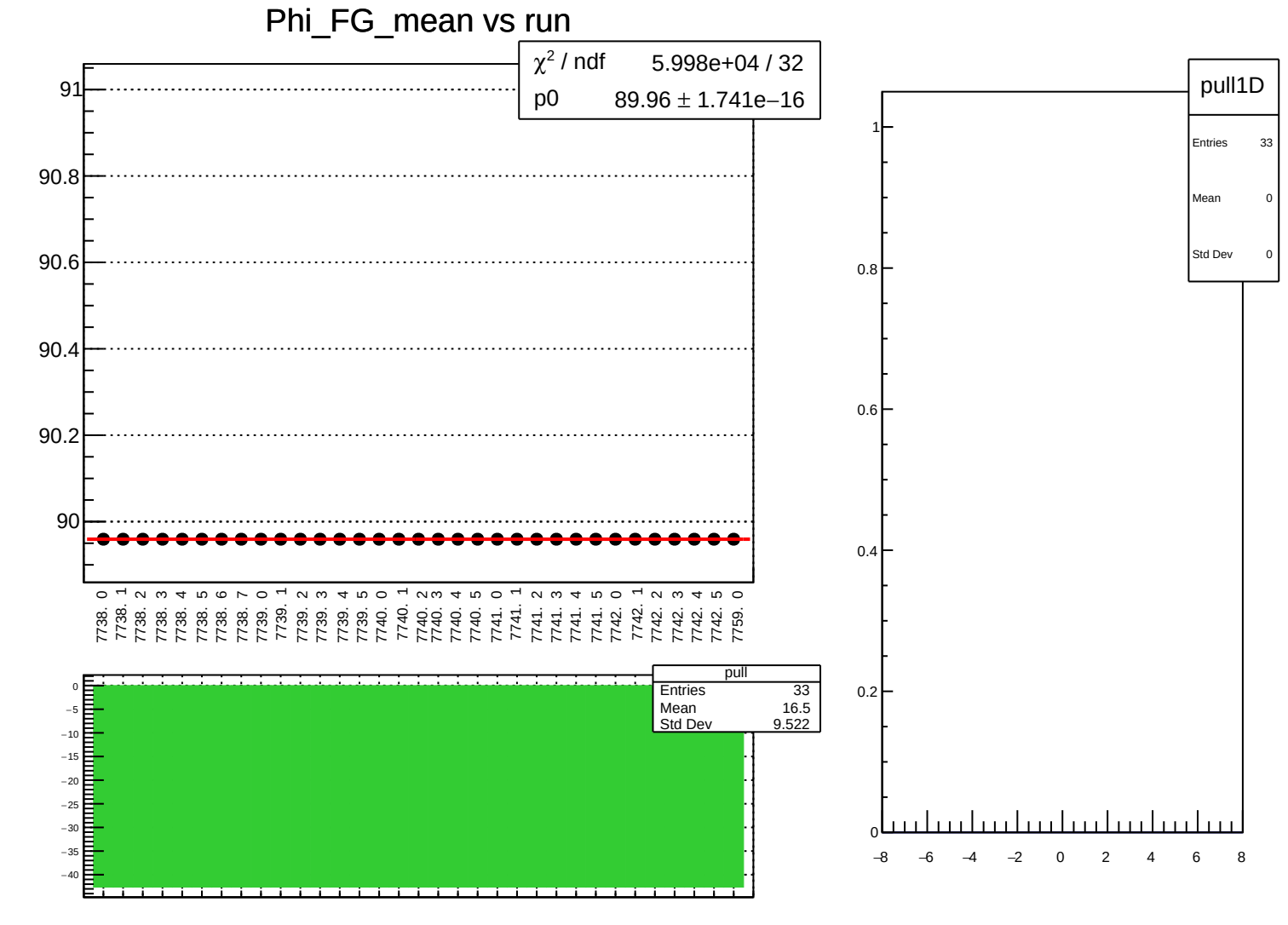

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0.0003972 / 32
p0 0.009375 ± 1.741e−16
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
pull1D
Entries 33
Mean 0.003469
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

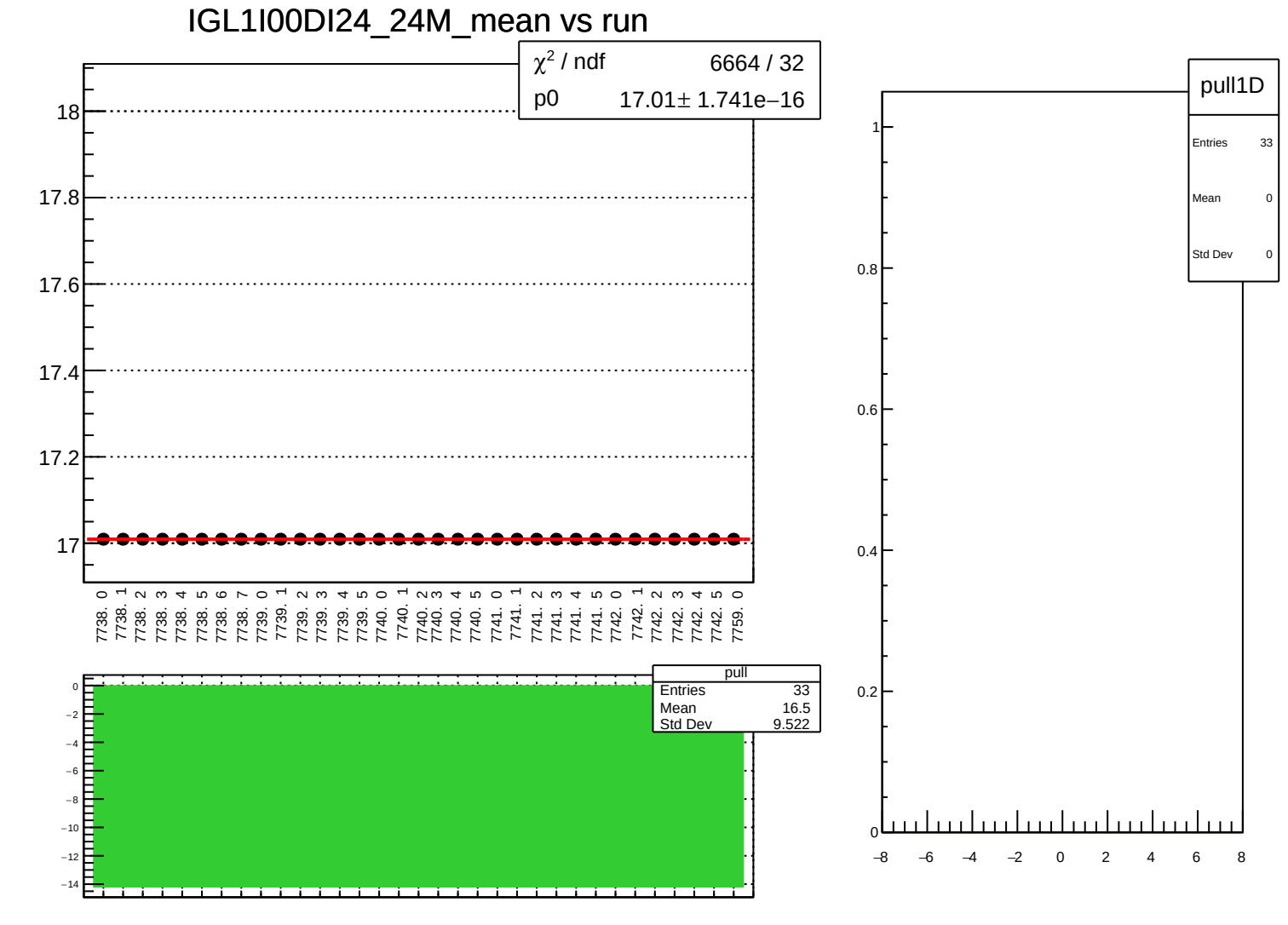

MSUPERBIGBITEreadcalc_mean vs run
×10⁻³
χ² / ndf 0.0003972 / 32
p0 0.009375 ± 1.741e−16
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
pull1D
Entries 33
Mean 0.003469
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

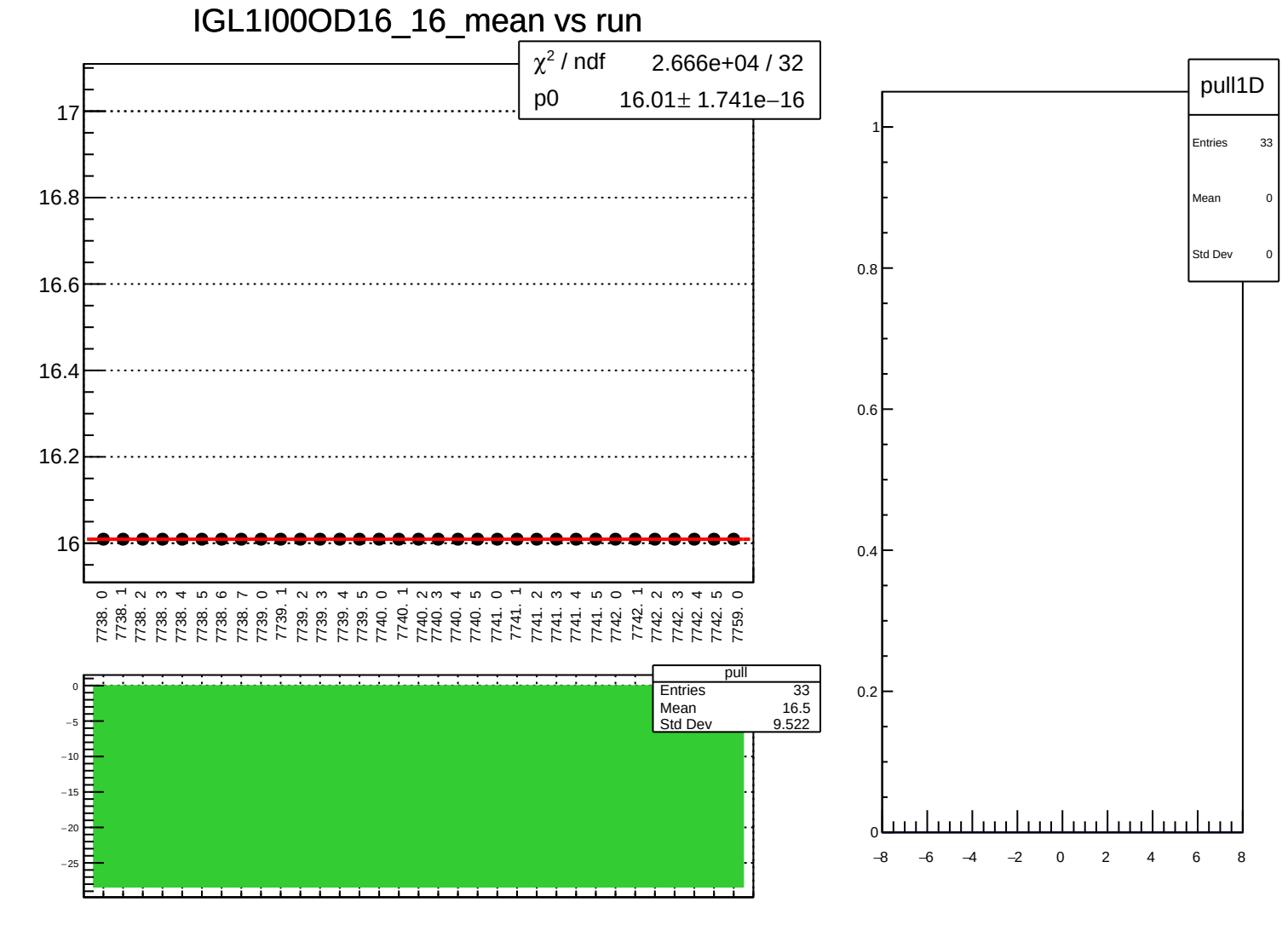

VWienAngle_mean vs run
χ² / ndf 1.066e+05 / 32
p0 88 ± 1.741e−16
89
88.8
88.6
88.4
88.2
88
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0
−10
−20
−30
−40
−50
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

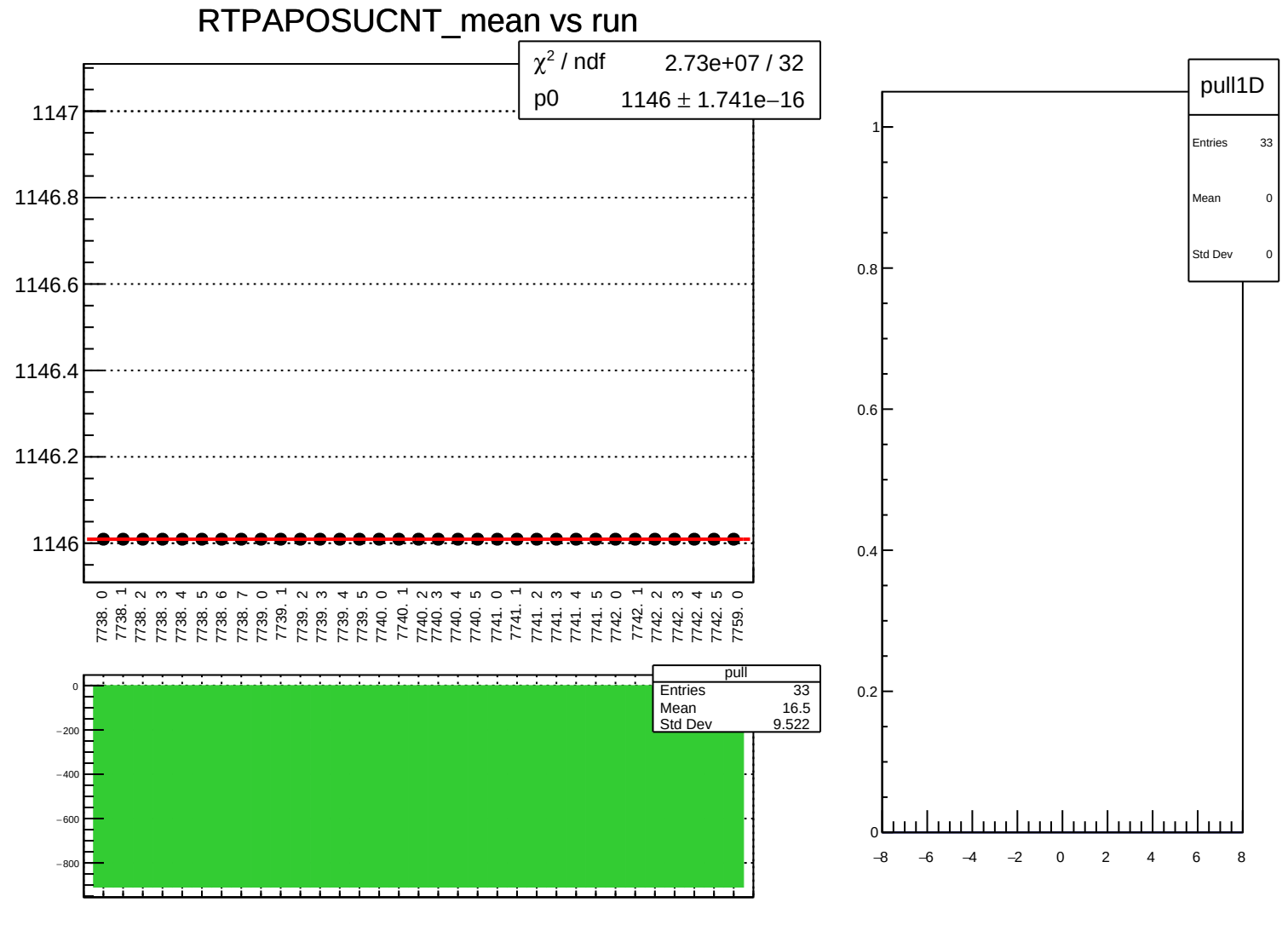

HWienAngle_mean vs run
χ² / ndf 3749 / 32
p0 −29.64 ± 1.741e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
pull1D
Entries 33
Mean 0
Std Dev 0

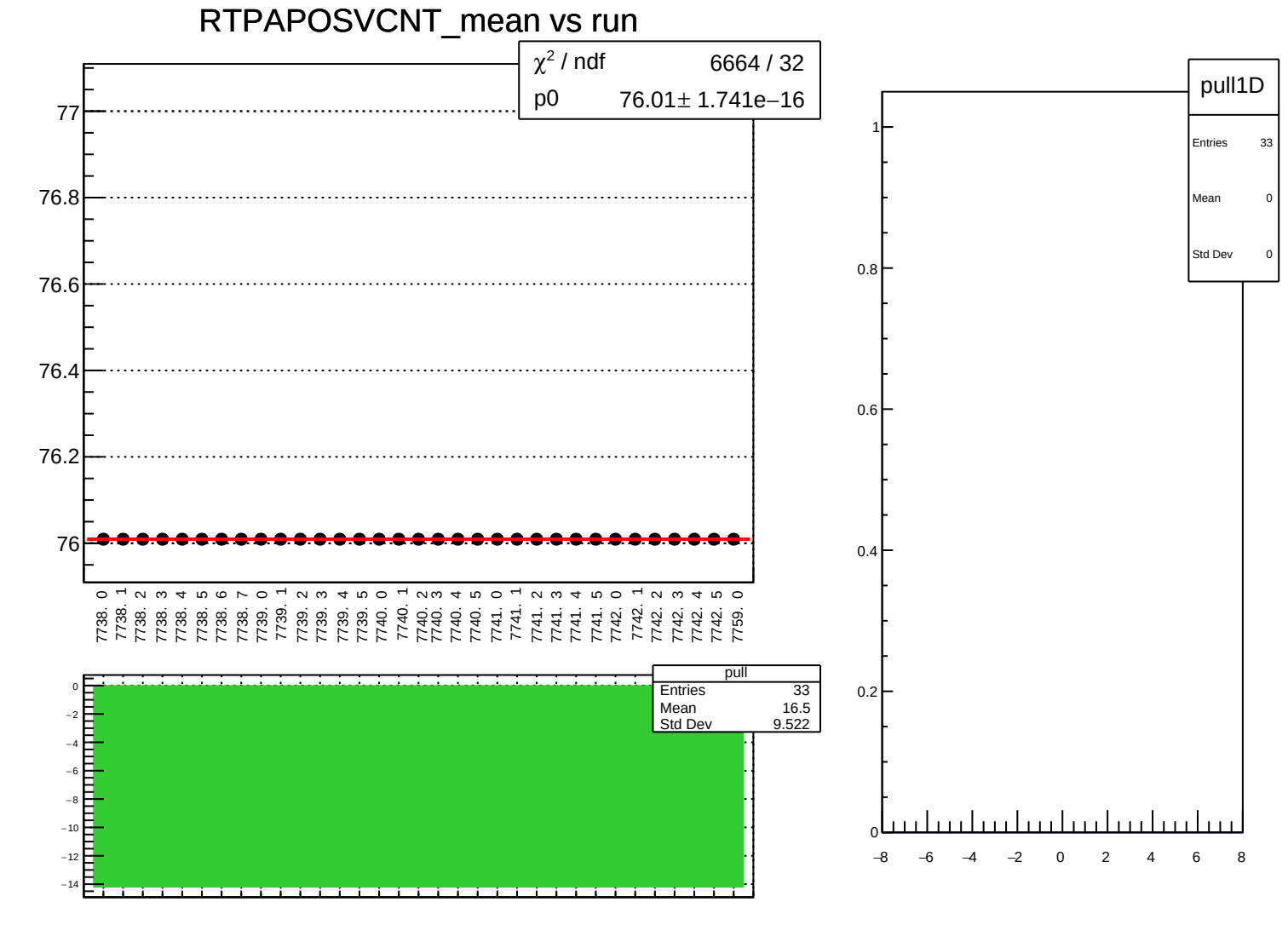

psub_pl_pos_mean vs run
χ² / ndf 1.382e+08 / 32
p0 1500 ± 1.741e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0
−500
−1000
−1500
−2000
pull1D
Entries 33
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 5.998e+04 / 32
p0 89.96 ± 1.741e−16
91
90.8
90.6
90.4
90.2
90
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 33
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 6664 / 32
p0 17.01± 1.741e−16
18
17.8
17.6
17.4
17.2
17
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


IGL1I00OD16_16_mean vs run
χ² / ndf 2.666e+04 / 32
p0 16.01± 1.741e−16
17
16.8
16.6
16.4
16.2
16
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0
−5
−10
−15
−20
−25
pull1D
Entries 33
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 2.73e+07 / 32
p0 1146 ± 1.741e−16
1147
1146.8
1146.6
1146.4
1146.2
1146
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0
−200
−400
−600
−800
pull1D
Entries 33
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 6664 / 32
p0 76.01± 1.741e−16
77
76.8
76.6
76.4
76.2
76
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
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7739. 4
7739. 5
7740. 0
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7740. 2
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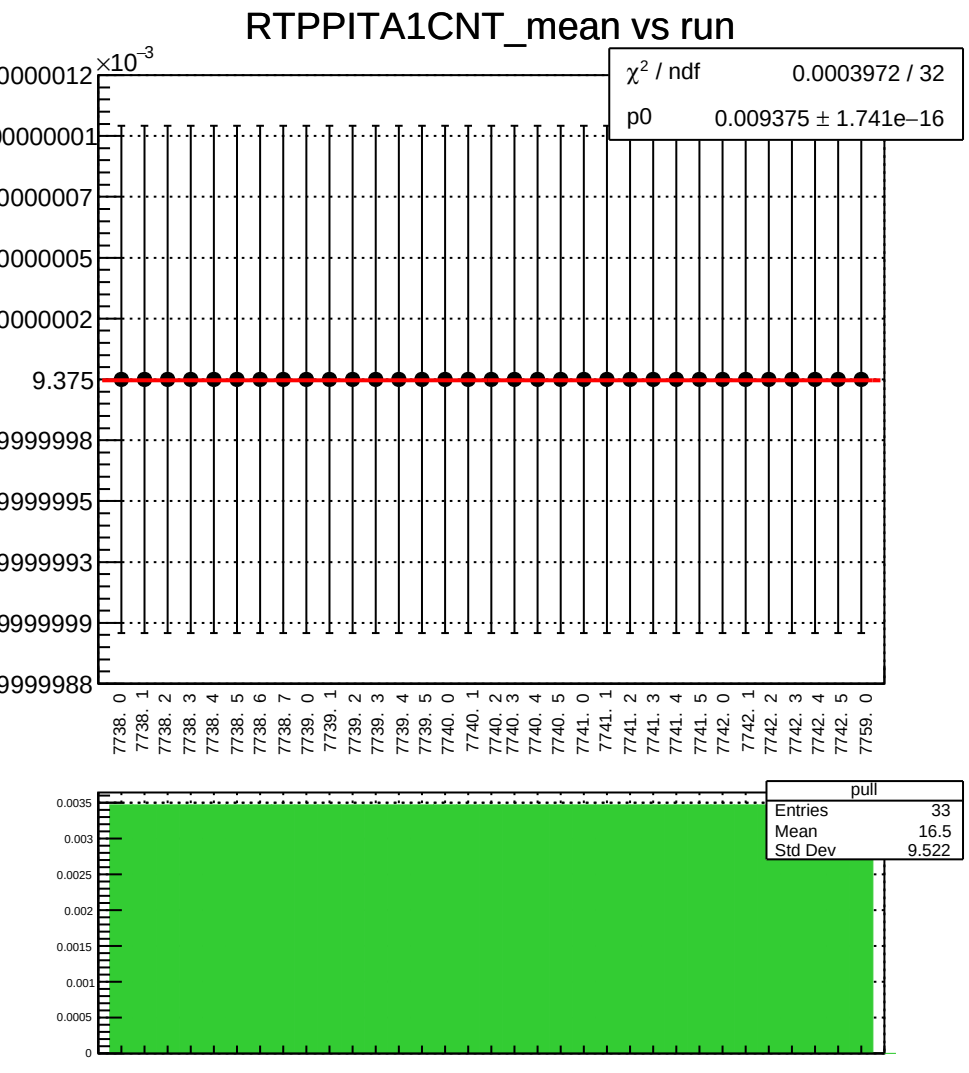
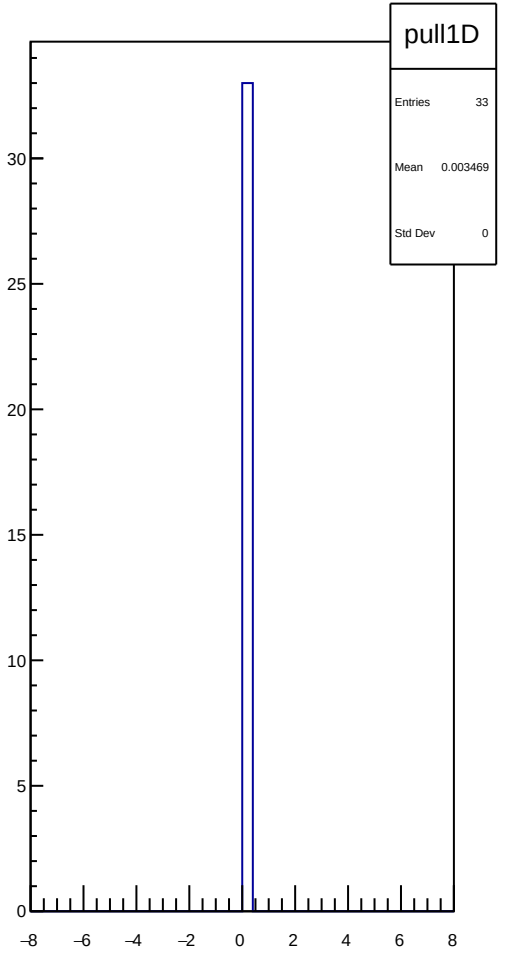
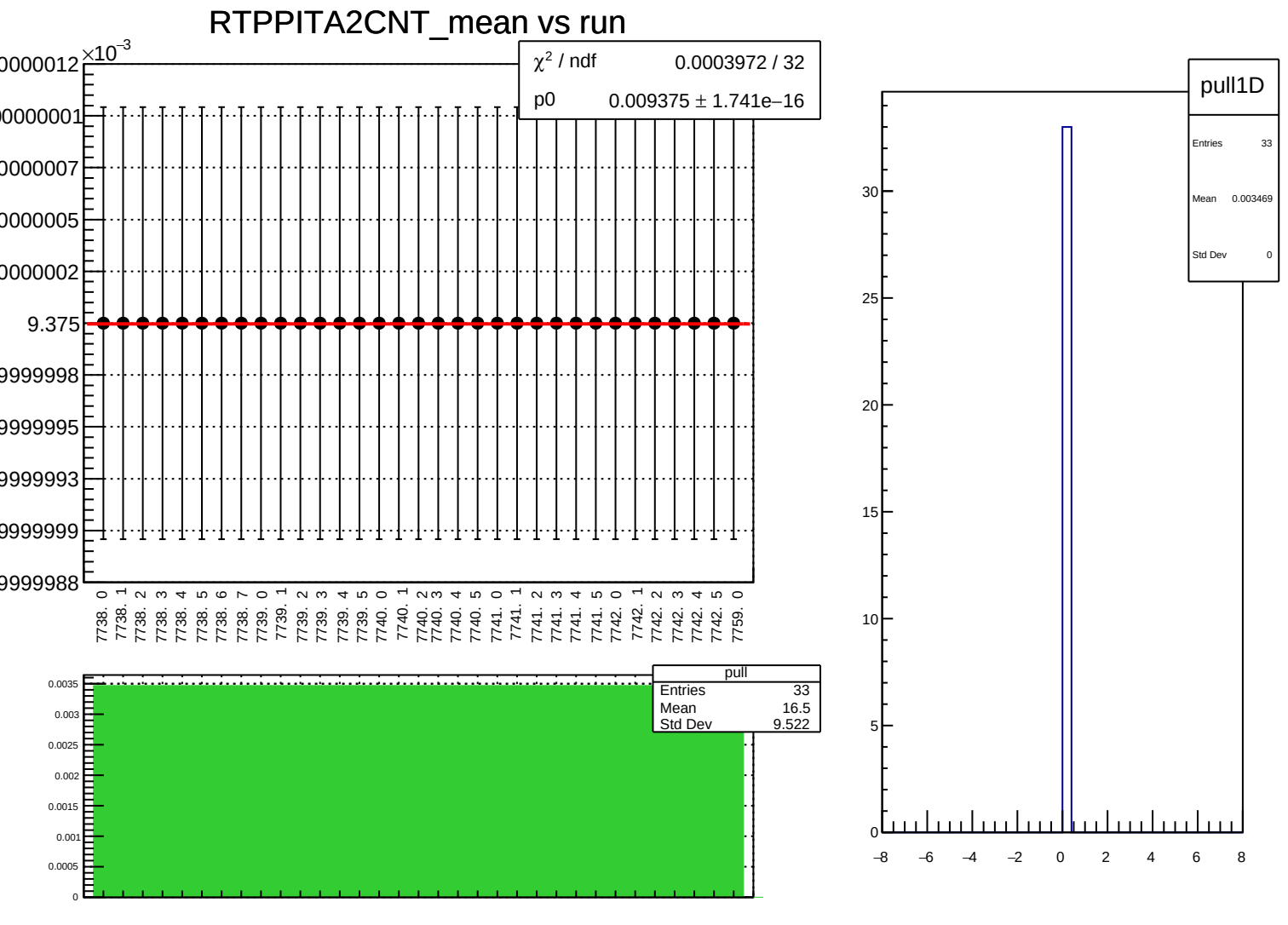
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 33
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.0003972 / 32
p0 0.009375 ± 1.741e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
7739. 3
7739. 4
7739. 5
7740. 0
7740. 1
7740. 2
7740. 3
7740. 4
7740. 5
7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0


pull1D
Entries 33
Mean 0.003469
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA2CNT_mean vs run
χ² / ndf 0.0003972 / 32
p0 0.009375 ± 1.741e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
7738. 0
7738. 1
7738. 2
7738. 3
7738. 4
7738. 5
7738. 6
7738. 7
7739. 0
7739. 1
7739. 2
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7741. 0
7741. 1
7741. 2
7741. 3
7741. 4
7741. 5
7742. 0
7742. 1
7742. 2
7742. 3
7742. 4
7742. 5
7759. 0
pull
Entries 33
Mean 16.5
Std Dev 9.522
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
pull1D
Entries 33
Mean 0.003469
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8