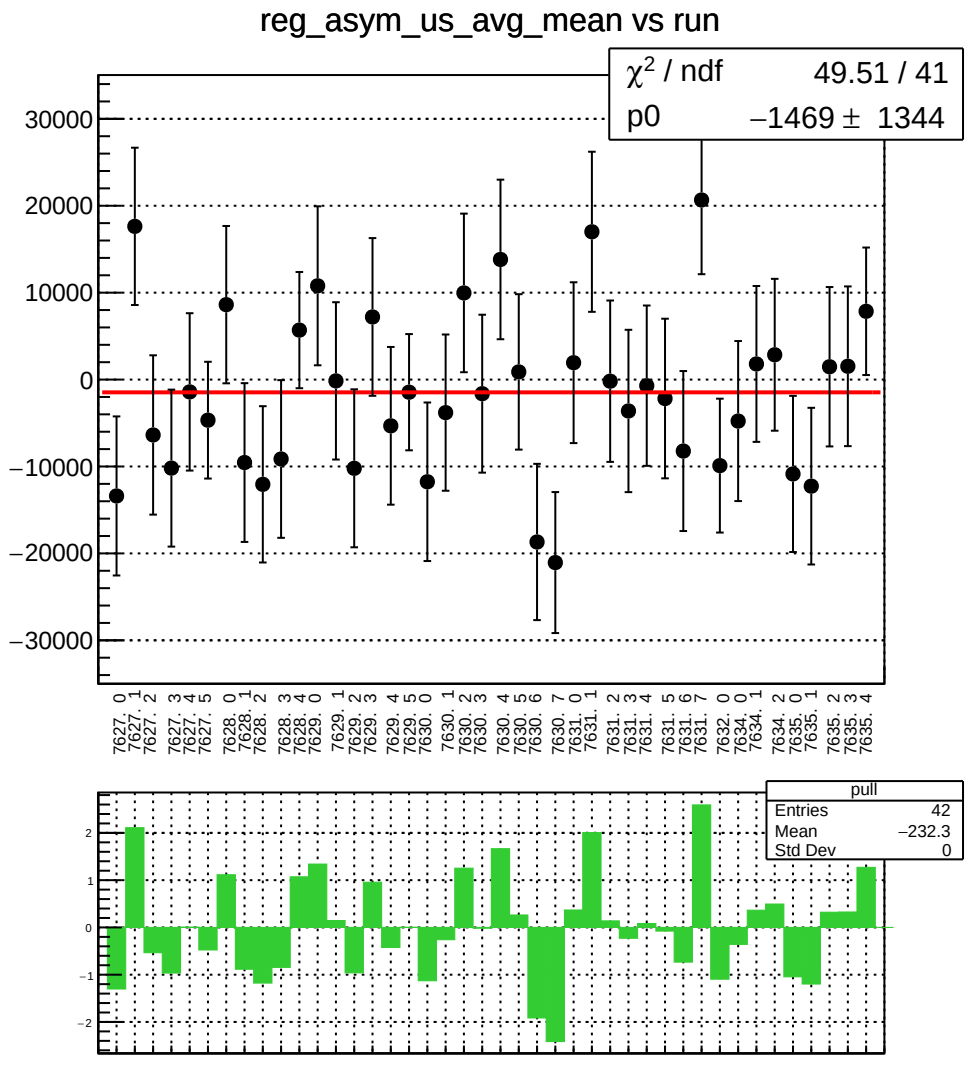
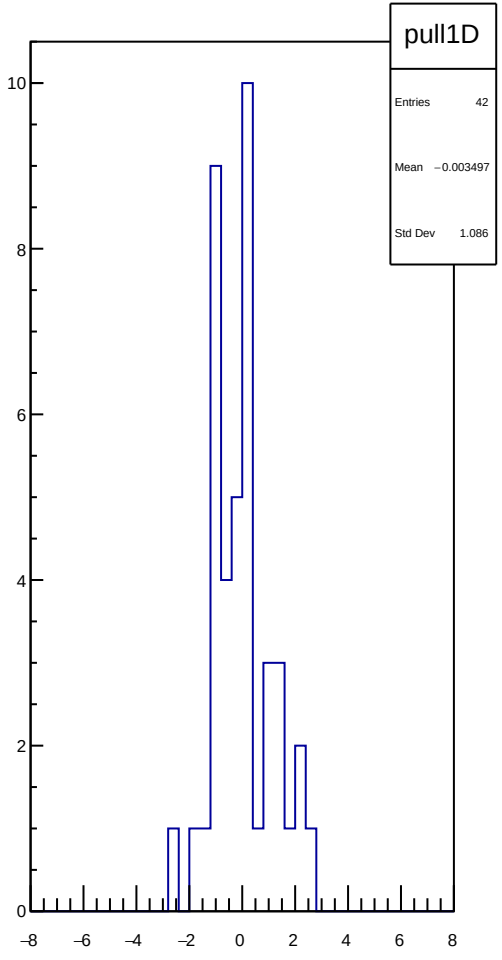
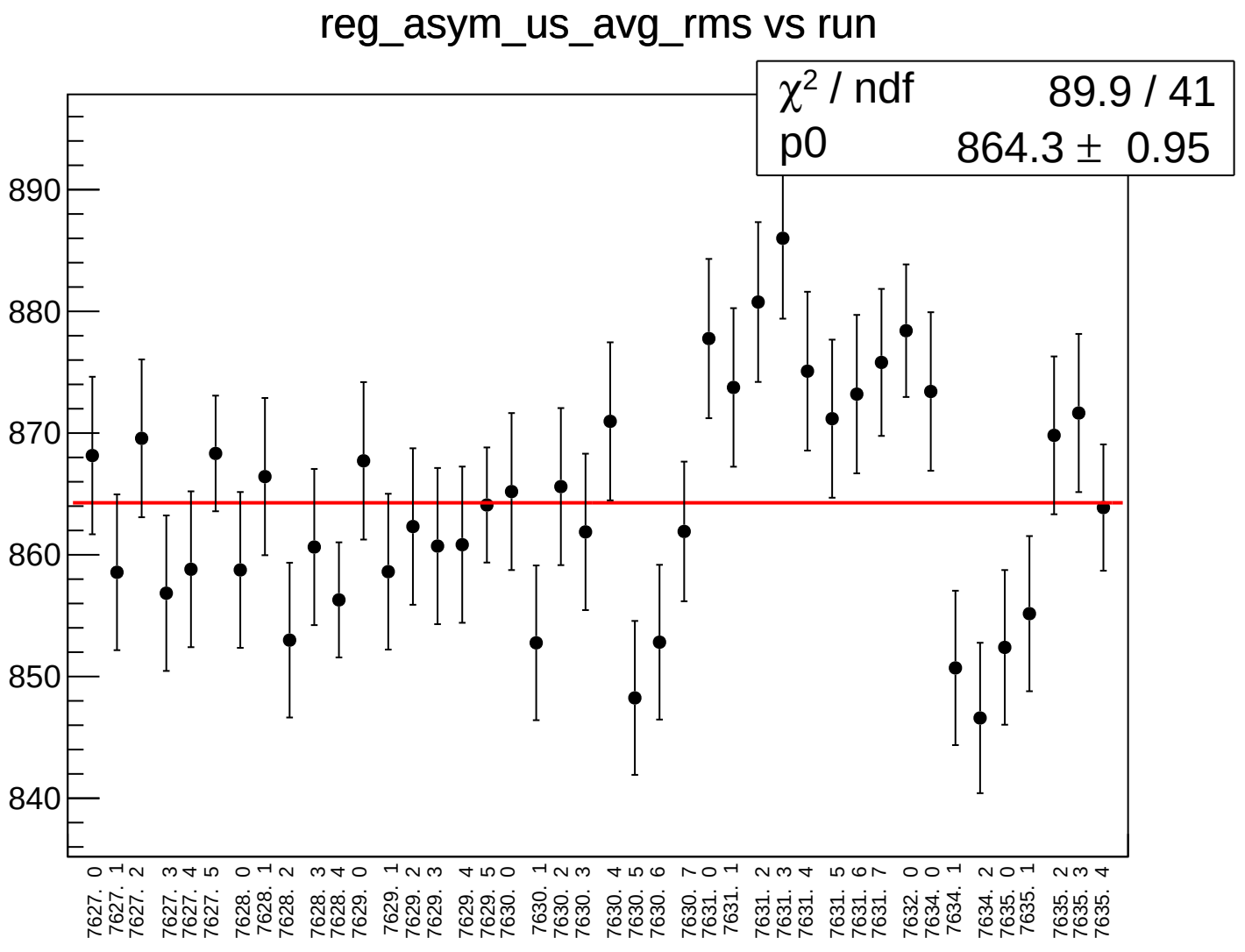
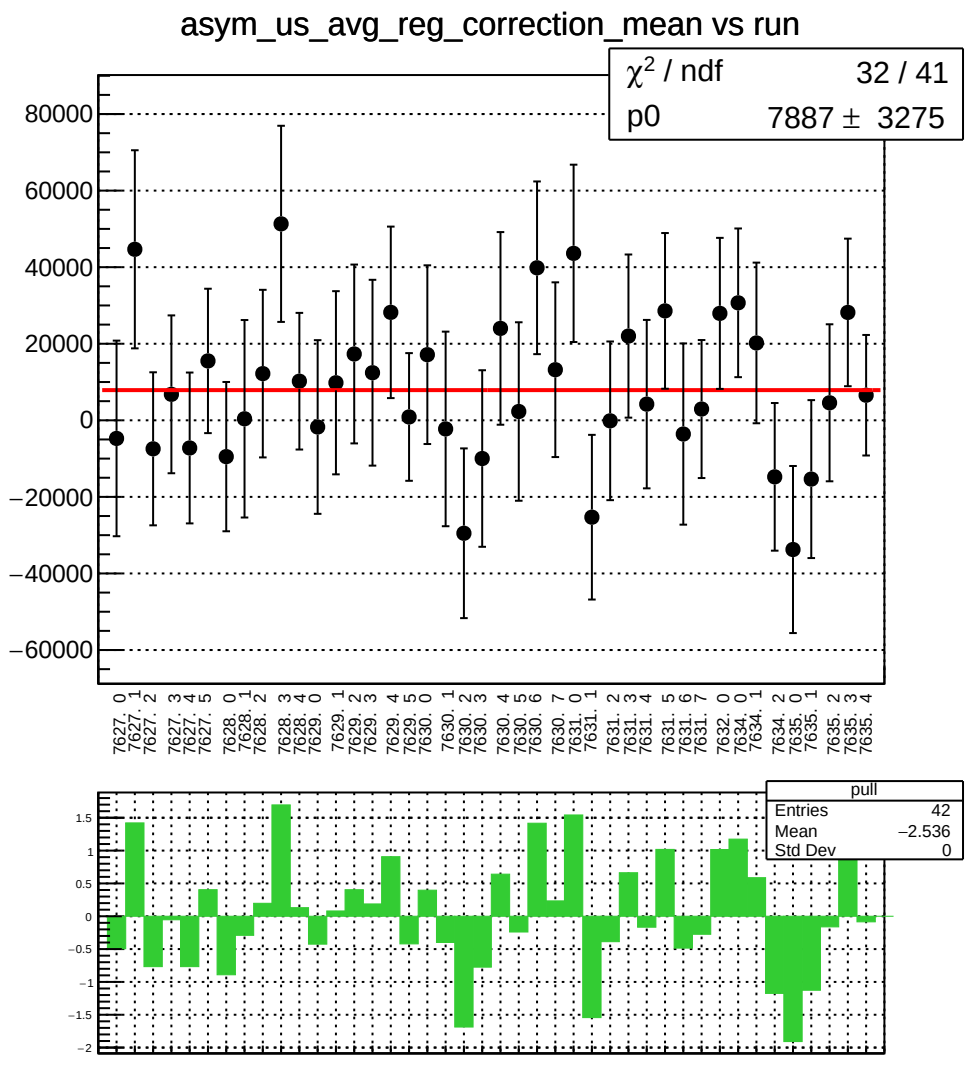
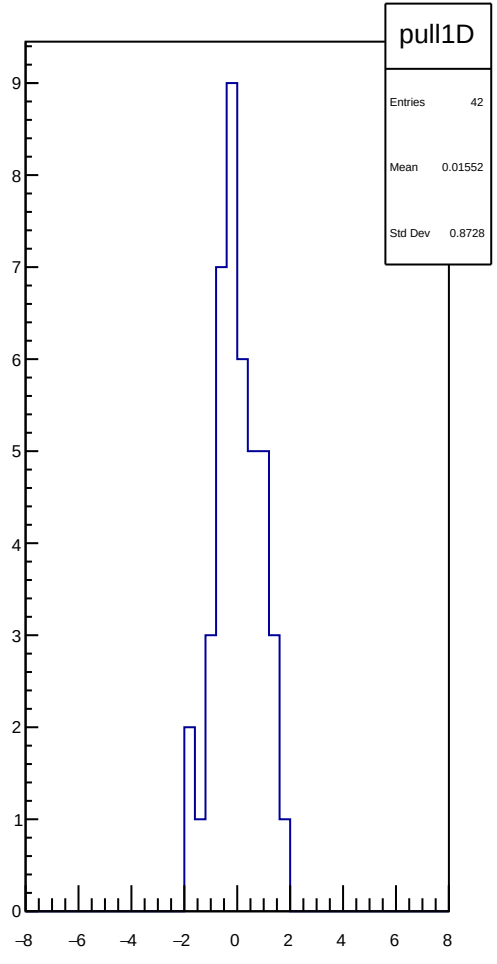
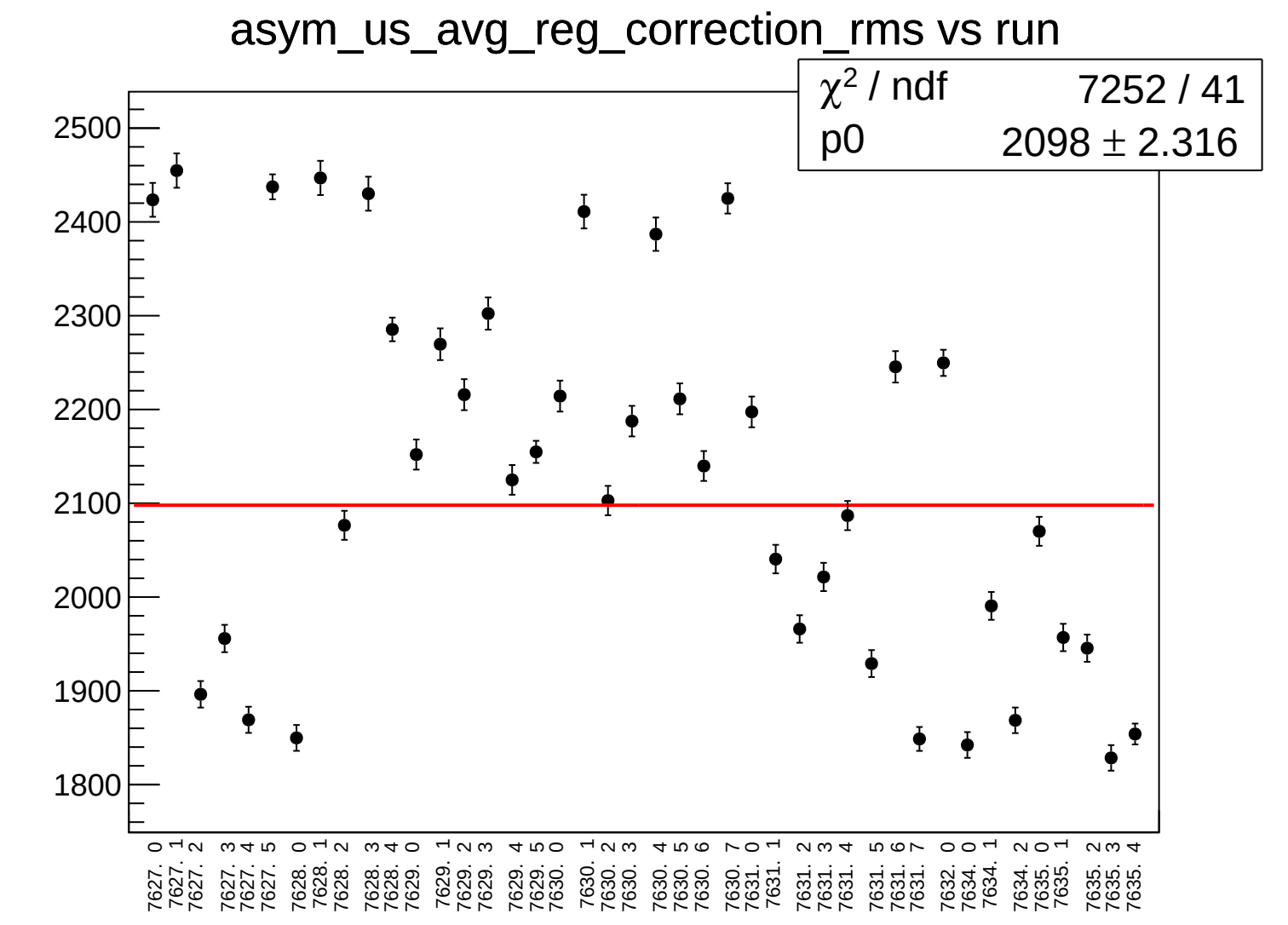

reg_asym_us_avg_mean vs run
χ² / ndf 49.51 / 41
p0 −1469 ± 1344
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −232.3
Std Dev 0
2
1
0
−1
−2

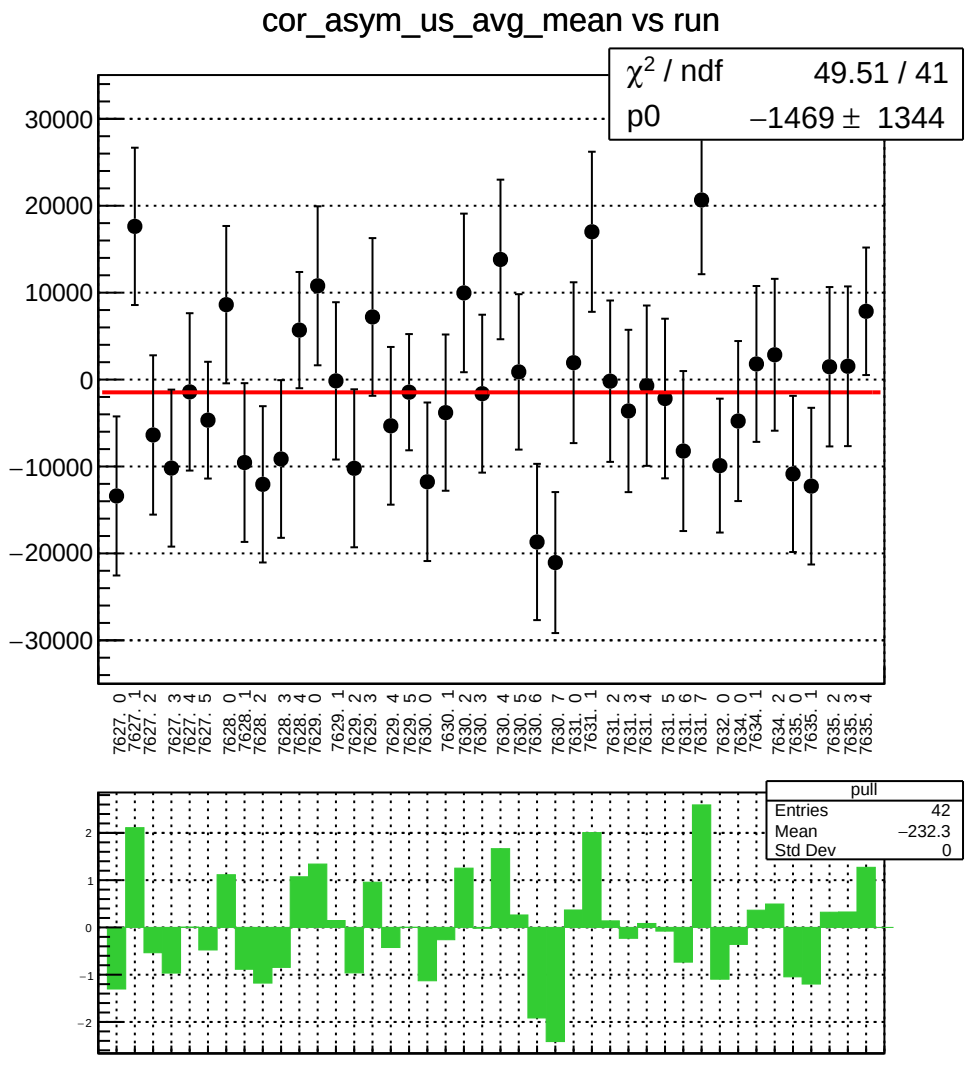

pull1D
Entries 42
Mean −0.003497
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

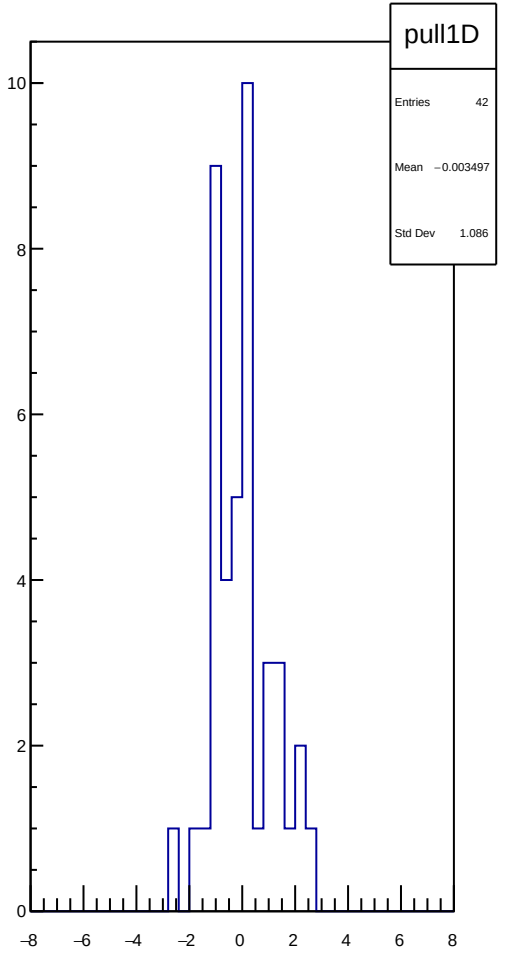

reg_asym_us_avg_rms vs run
χ² / ndf 89.9 / 41
p0 864.3 ± 0.95
890
880
870
860
850
840
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

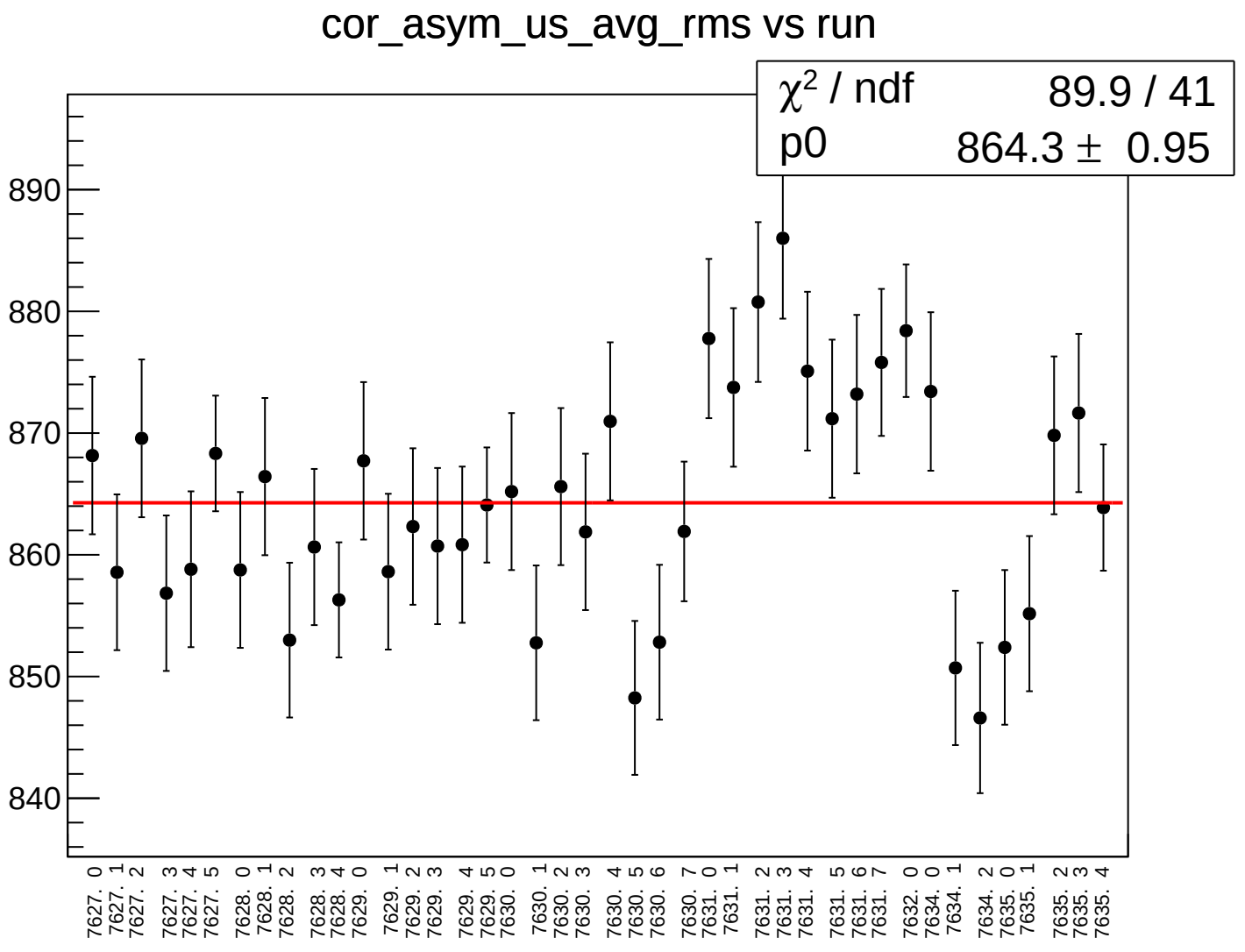

asym_us_avg_reg_correction_mean vs run
χ² / ndf 32 / 41
p0 7887 ± 3275
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.536
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.01552
Std Dev 0.8728
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_reg_correction_rms vs run
χ² / ndf 7252 / 41
p0 2098 ± 2.316
2500
2400
2300
2200
2100
2000
1900
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_us_avg_mean vs run
χ² / ndf 49.51 / 41
p0 −1469 ± 1344
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −232.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean −0.003497
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_rms vs run
χ² / ndf 89.9 / 41
p0 864.3 ± 0.95
890
880
870
860
850
840
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
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7631. 5
7631. 6
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7634. 0
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7635. 0
7635. 1
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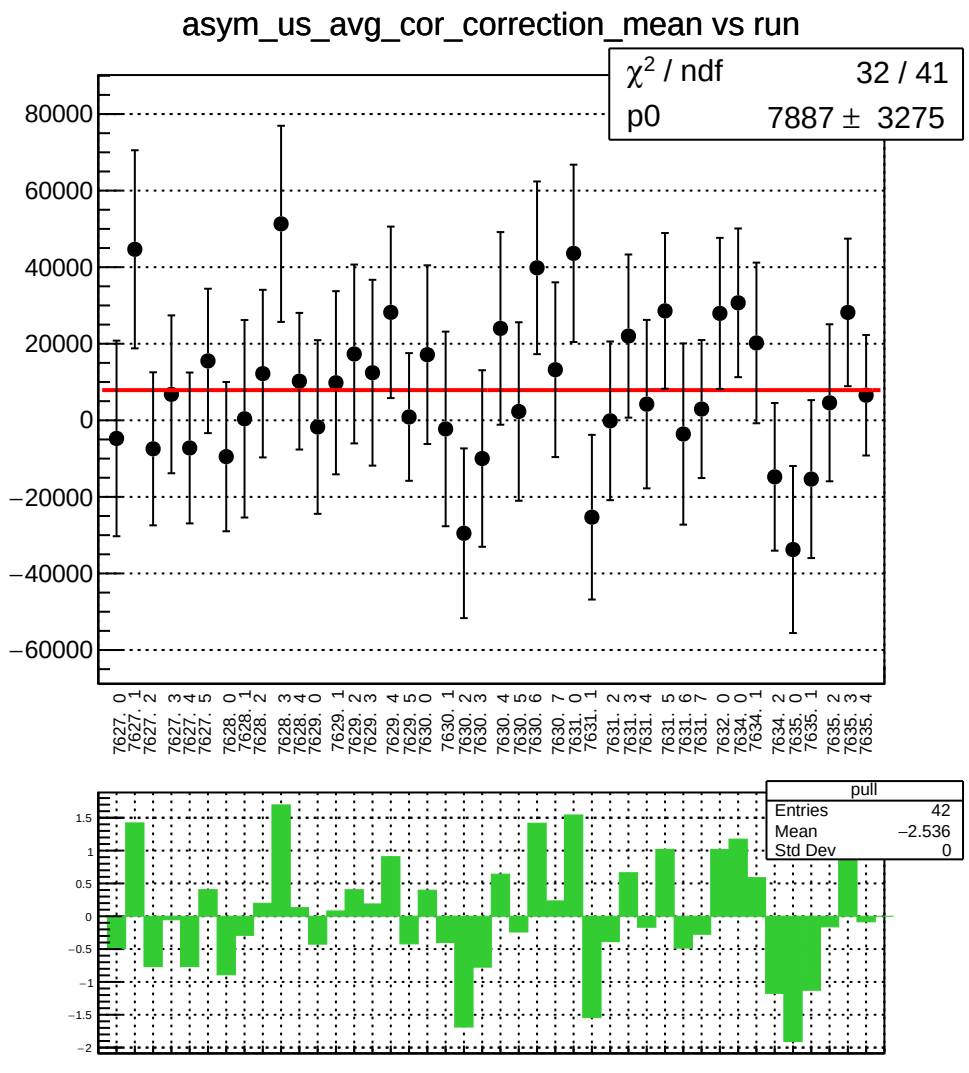
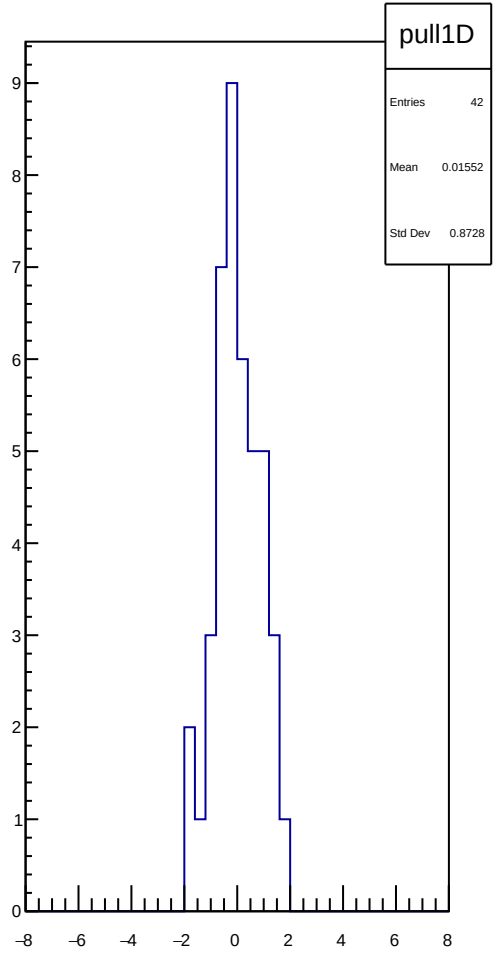
7635. 3
7635. 4


asym_us_avg_cor_correction_mean vs run
χ² / ndf 32 / 41
p0 7887 ± 3275
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.536
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.01552
Std Dev 0.8728
9
8
7
6
5
4
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2
1
0
−8
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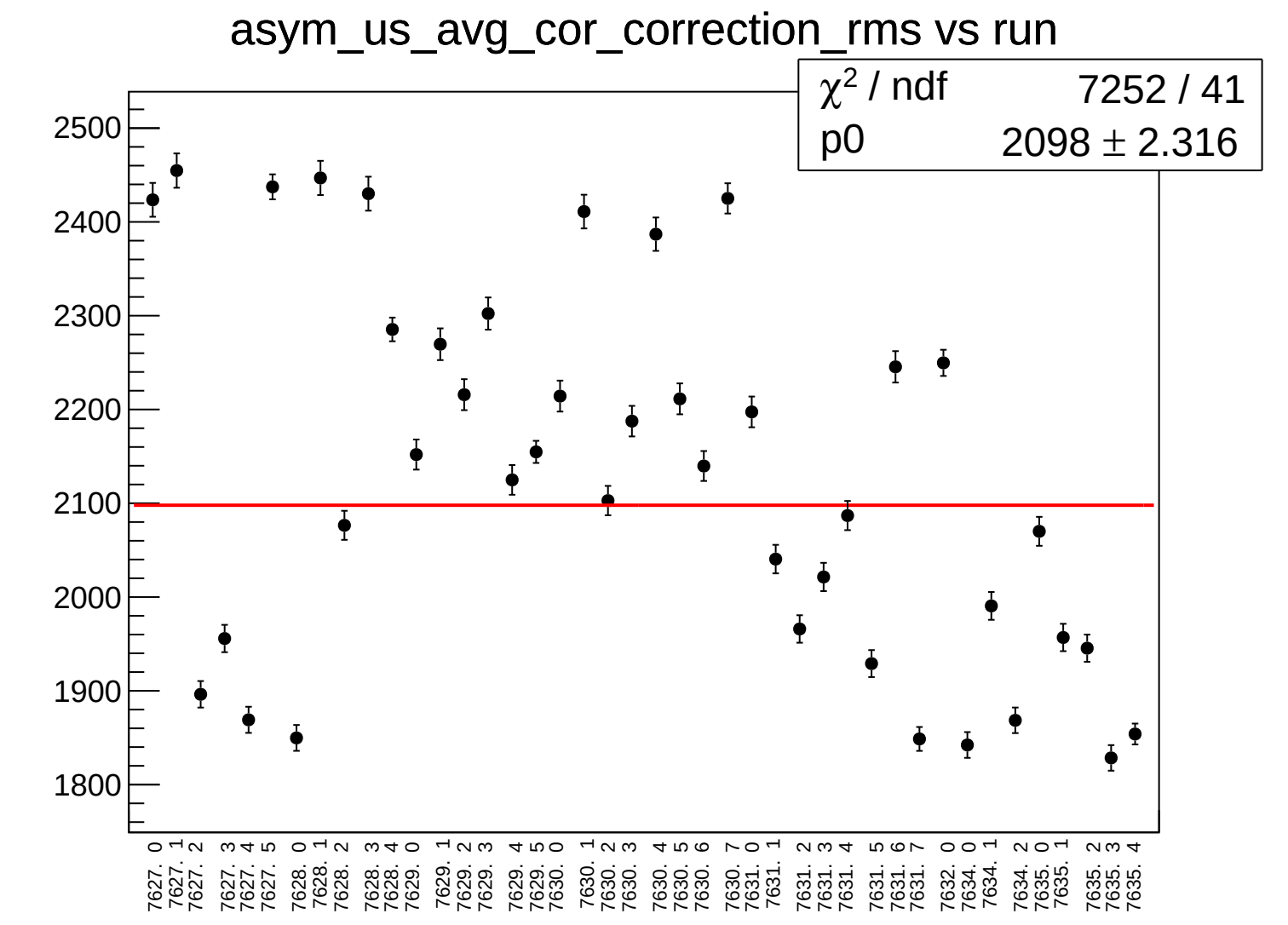
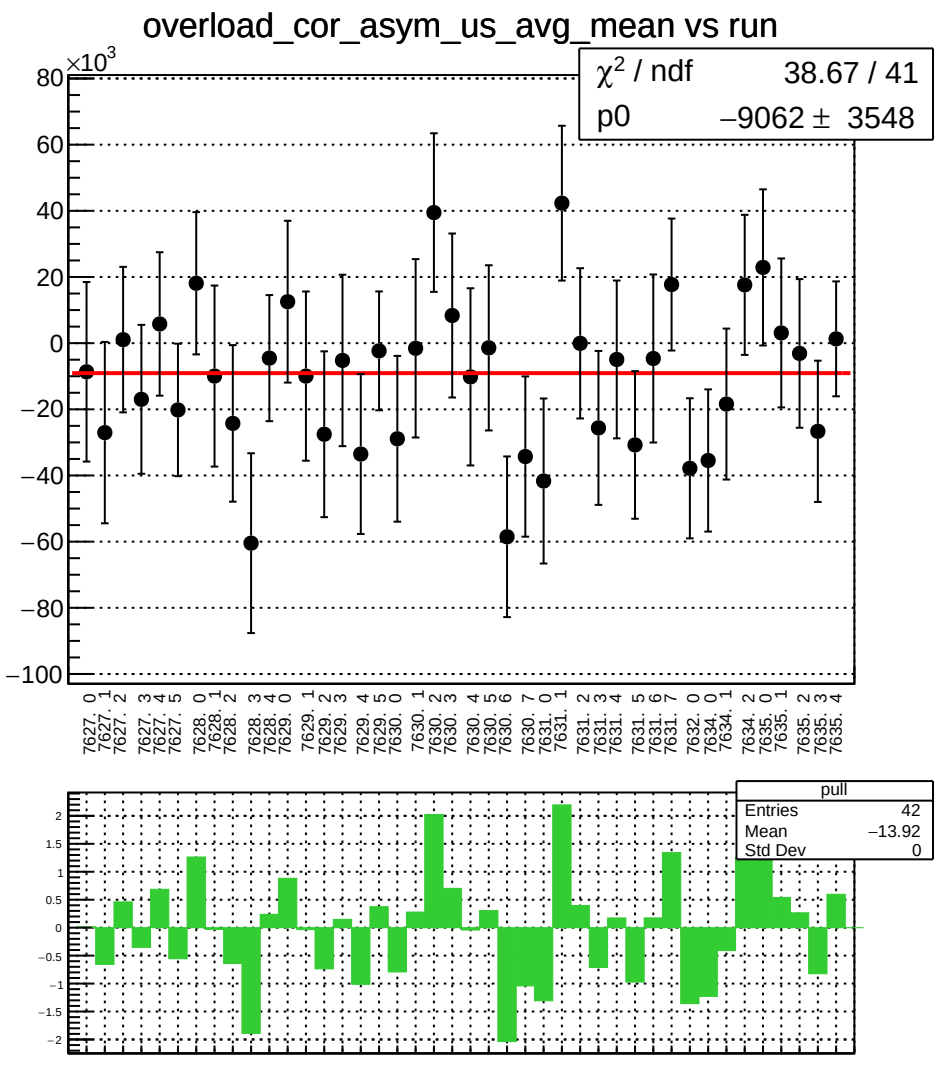
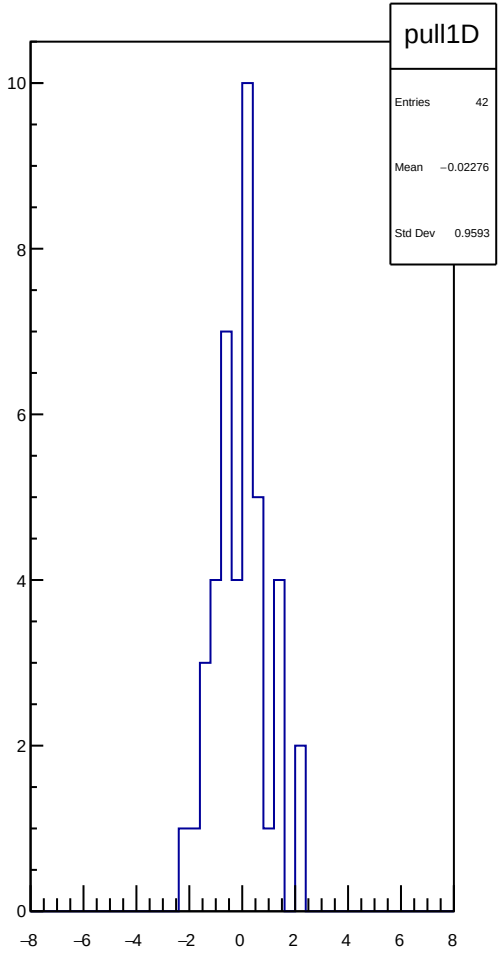
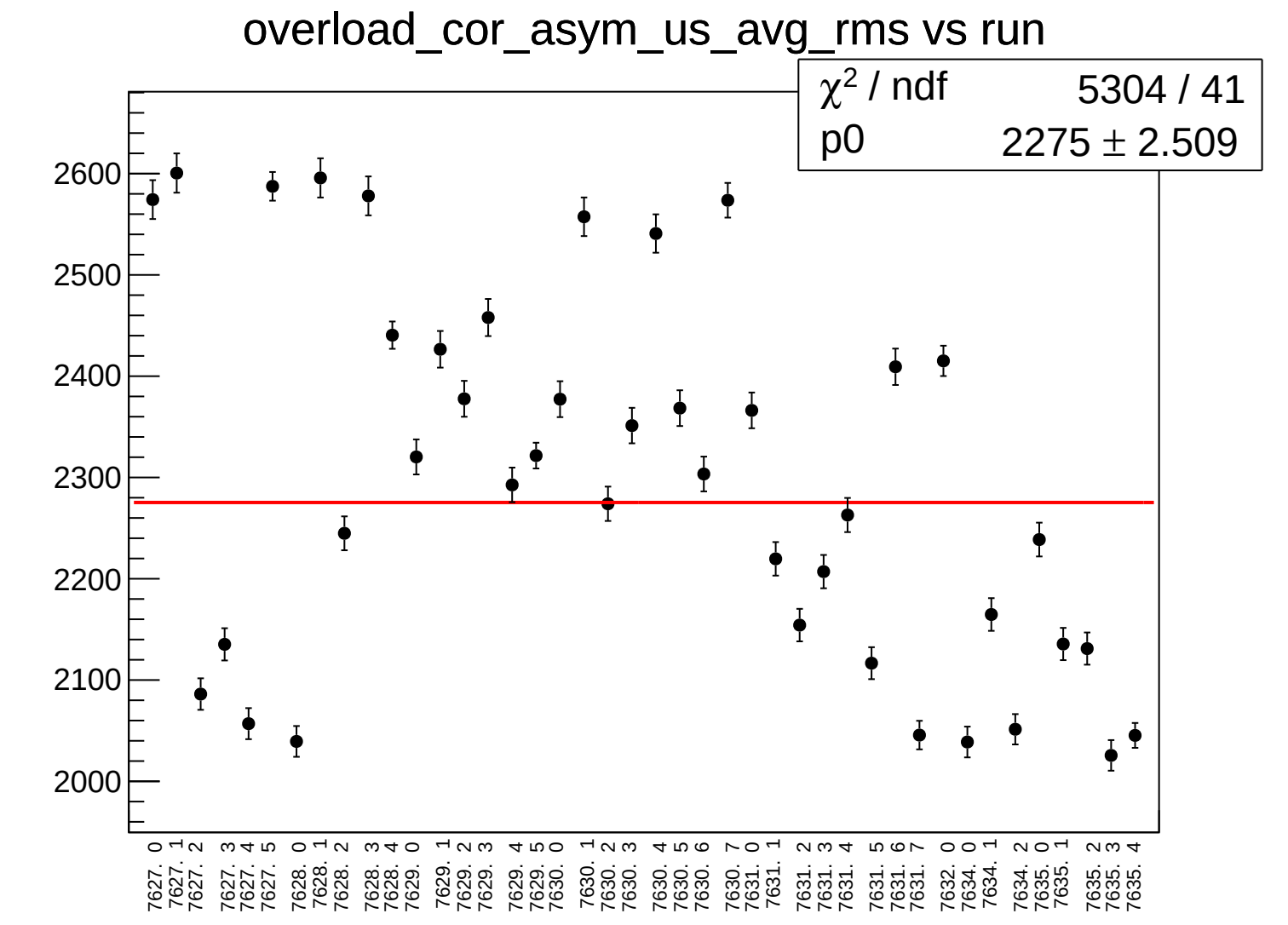
−4
−2
0
2
4
6
8


asym_us_avg_cor_correction_rms vs run
χ² / ndf 7252 / 41
p0 2098 ± 2.316
2500
2400
2300
2200
2100
2000
1900
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


overload_cor_asym_us_avg_mean vs run
χ² / ndf 38.67 / 41
p0 −9062 ± 3548
×10³
pull
Entries 42
Mean −13.92
Std Dev 0


pull1D
Entries 42
Mean −0.02276
Std Dev 0.9593


overload_cor_asym_us_avg_rms vs run
χ² / ndf 5304 / 41
p0 2275 ± 2.509
2600
2500
2400
2300
2200
2100
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
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7630. 7
7631. 0
7631. 1
7631. 2
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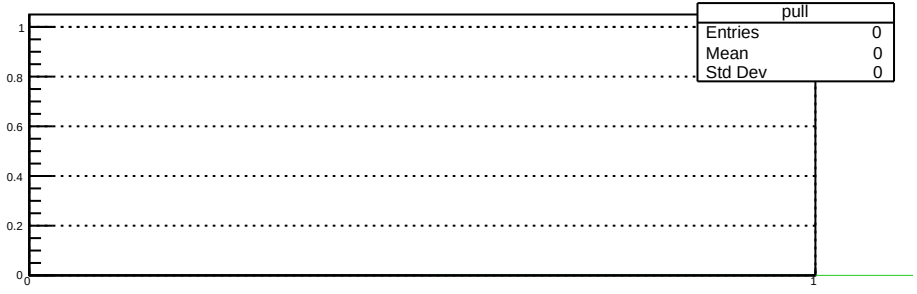
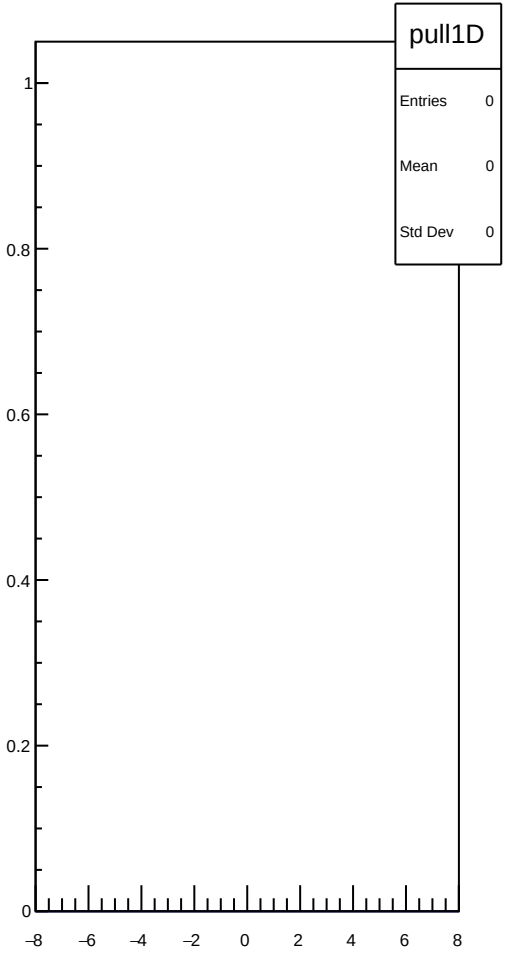
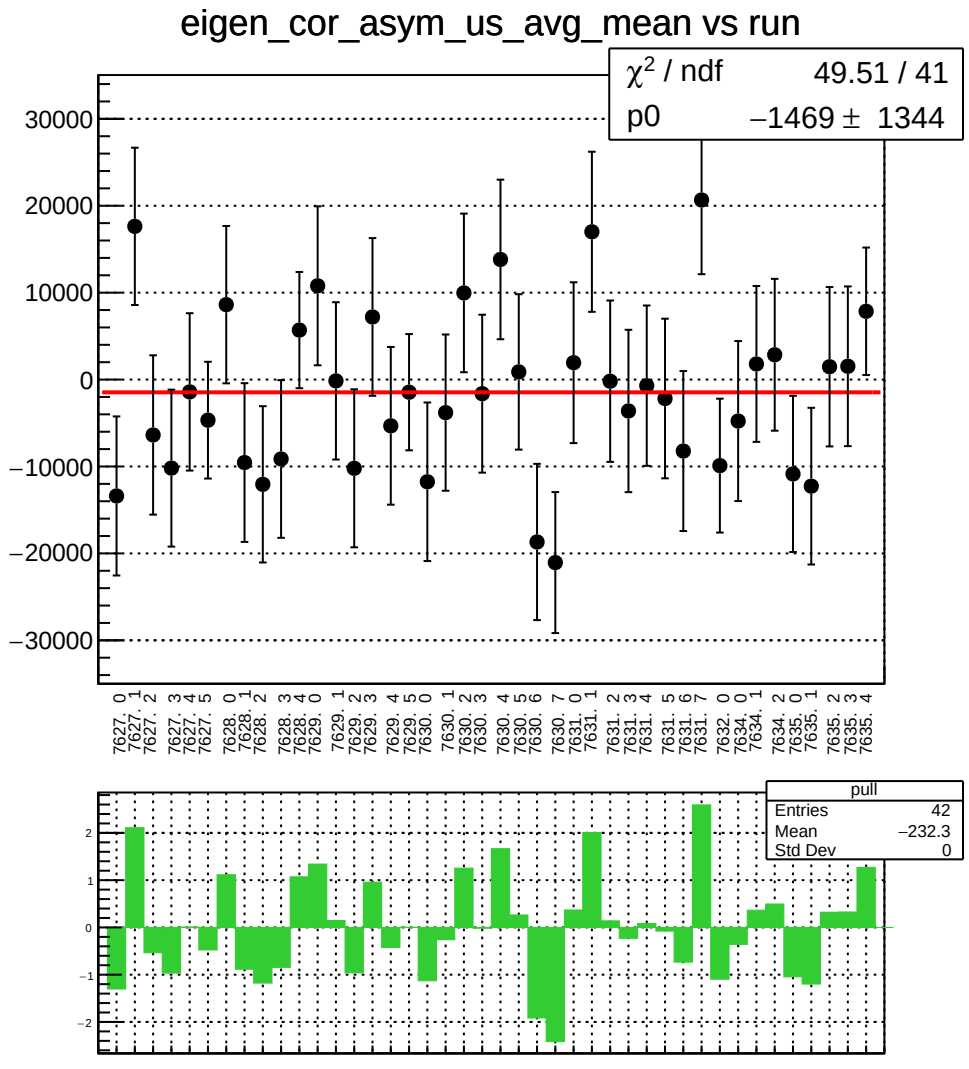
7635. 4


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 49.51 / 41
p0 −1469 ± 1344
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
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7629. 2
7629. 3
7629. 4
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7630. 2
7630. 3
7630. 4
7630. 5
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7631. 1
7631. 2
7631. 3
7631. 4
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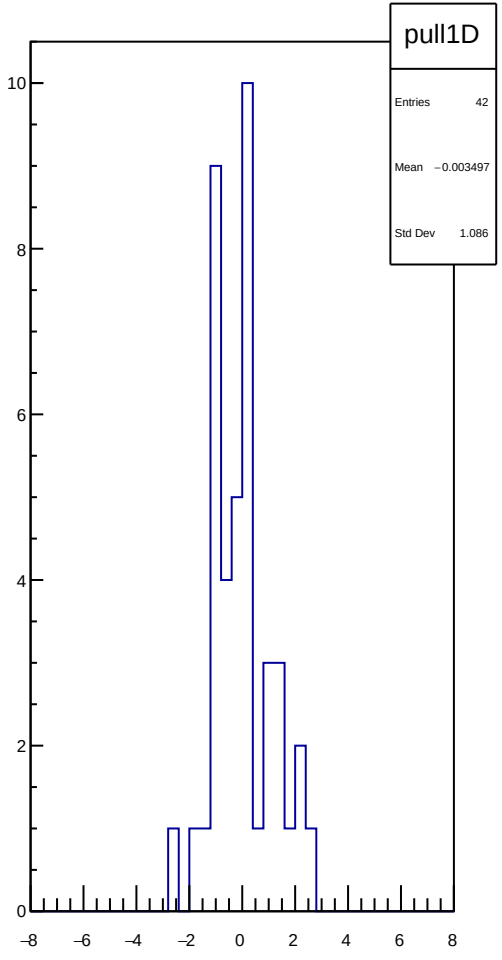
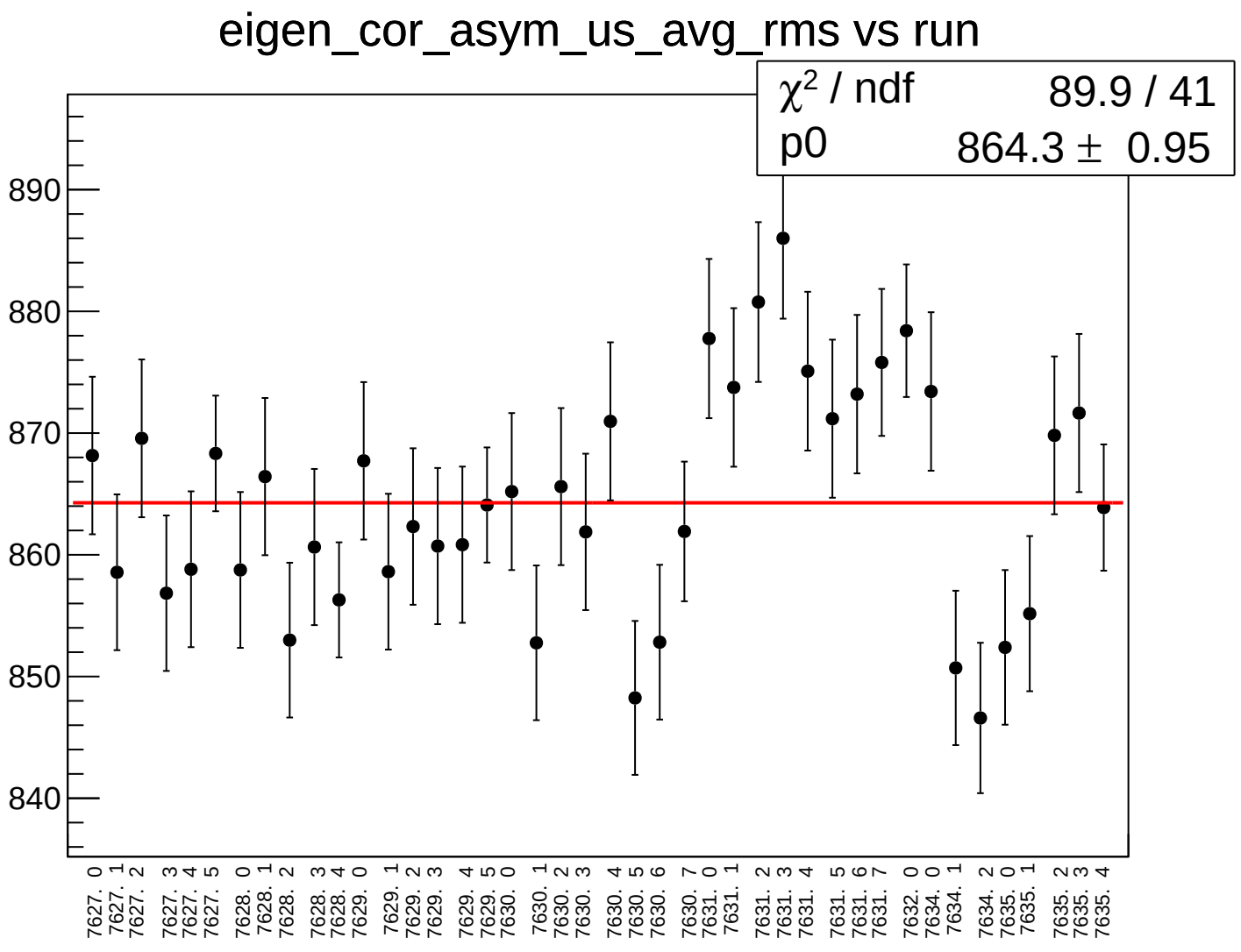
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −232.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean −0.003497
Std Dev 1.086
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 89.9 / 41
p0 864.3 ± 0.95
890
880
870
860
850
840
7627. 0
7627. 1
7627. 2
7627. 3
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7627. 5
7628. 0
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7628. 4
7629. 0
7629. 1
7629. 2
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
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7631. 5
7631. 6
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7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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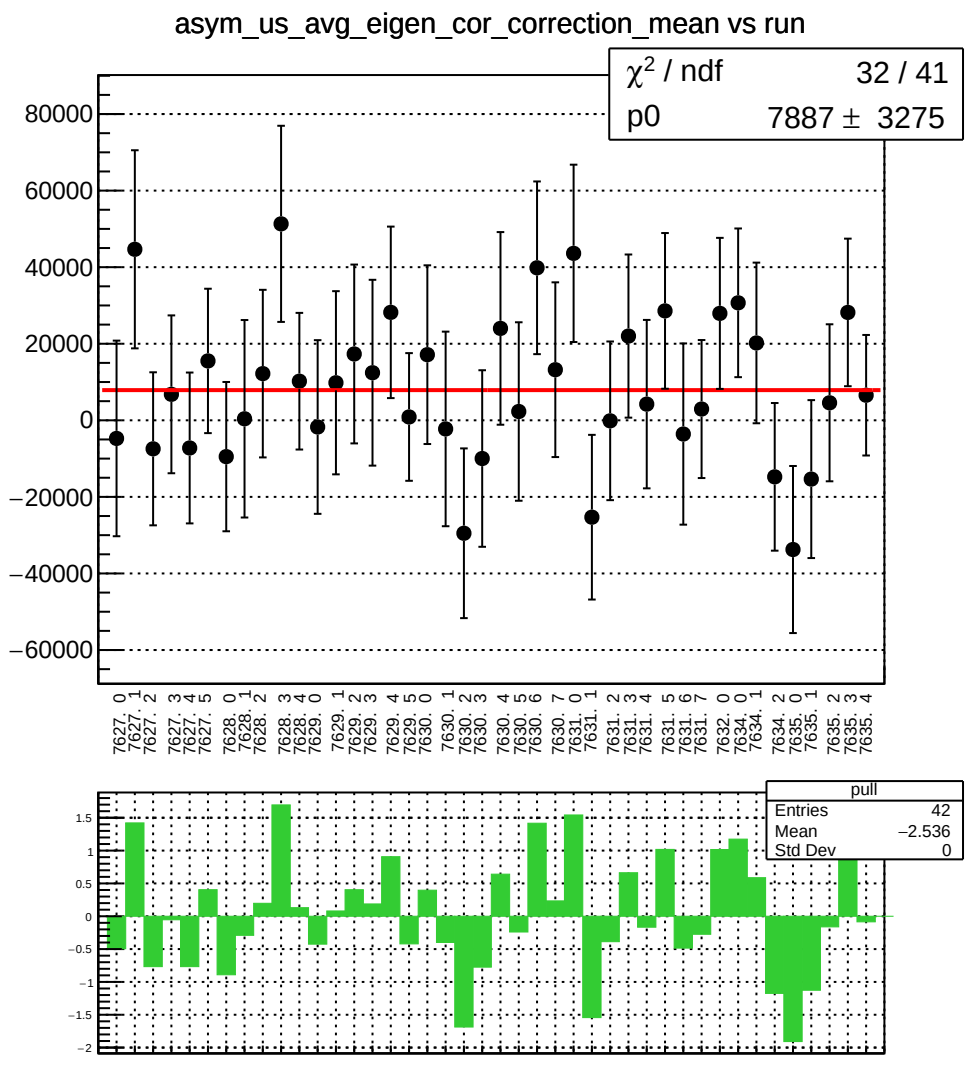
7635. 4


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 32 / 41
p0 7887 ± 3275
80000
60000
40000
20000
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−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
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7628. 1
7628. 2
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7630. 1
7630. 2
7630. 3
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7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.536
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01552
Std Dev 0.8728
9
8
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5
4
3
2
1
0
−8
−6
−4
−2
0
2
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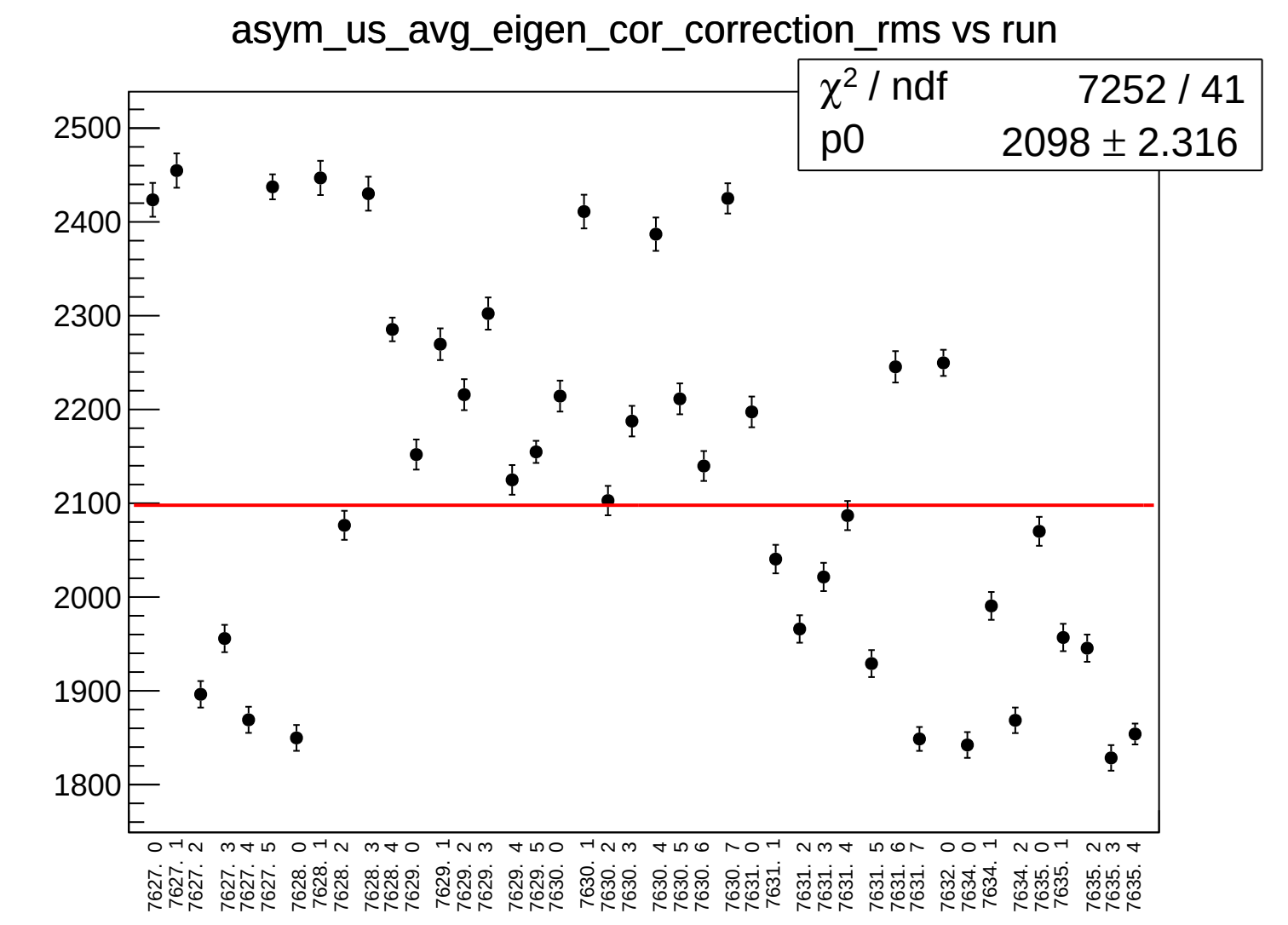
asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 7252 / 41
p0 2098 ± 2.316
2500
2400
2300
2200
2100
2000
1900
1800
7627. 0
7627. 1
7627. 2
7627. 3
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7629. 3
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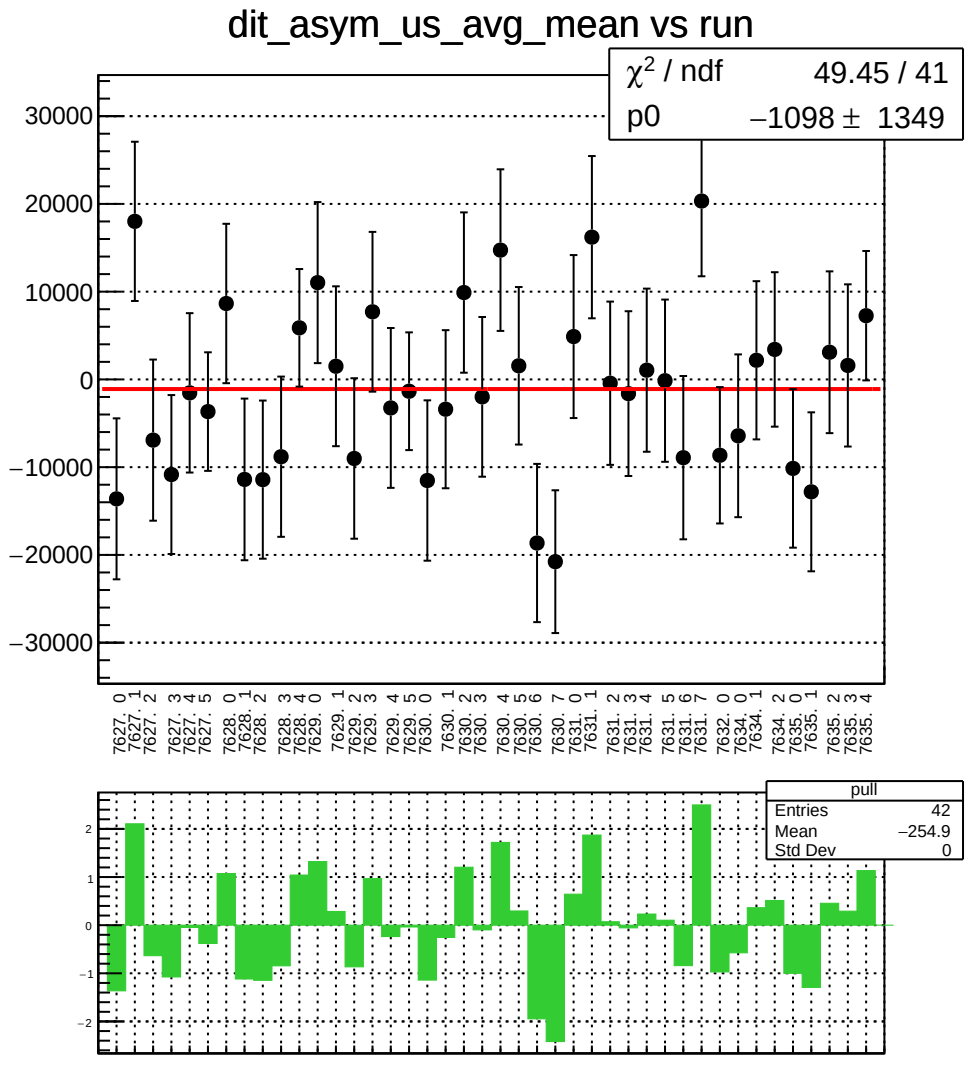
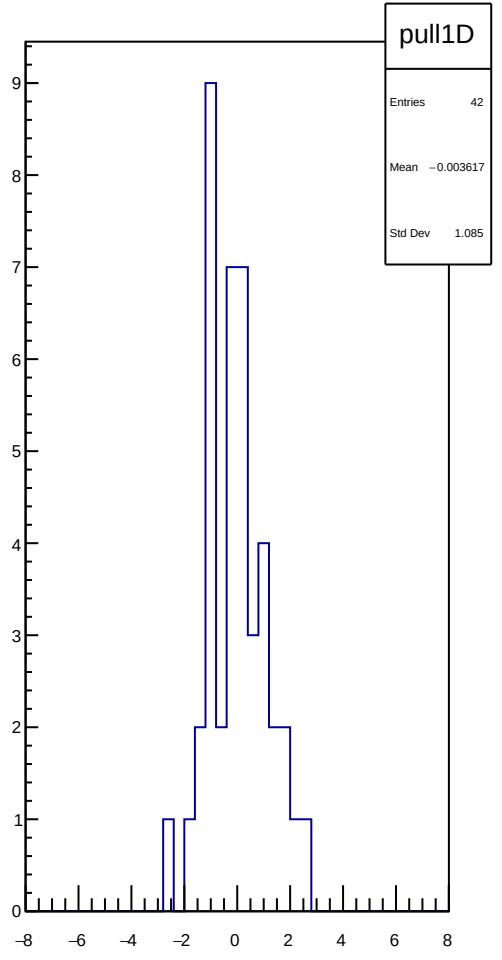
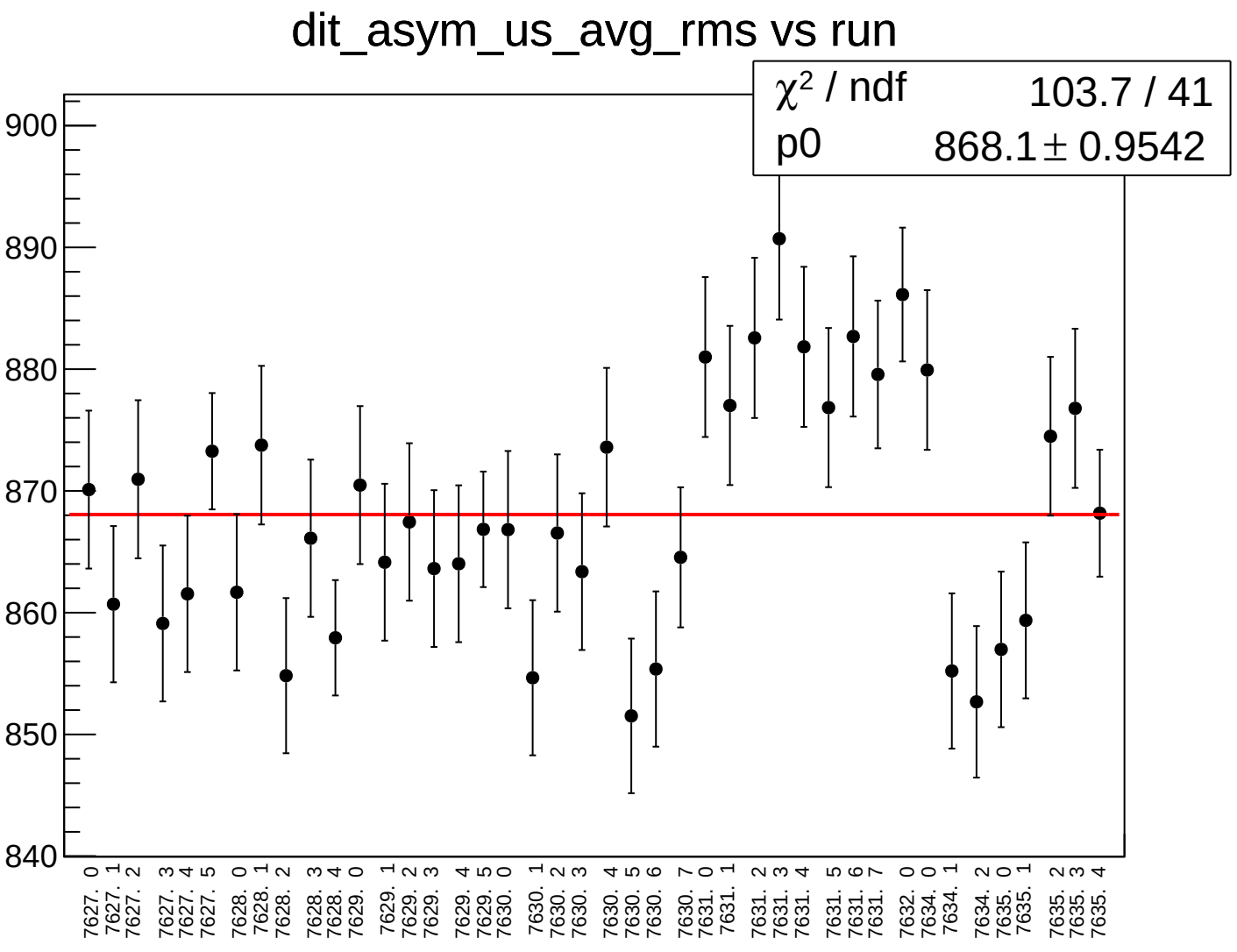
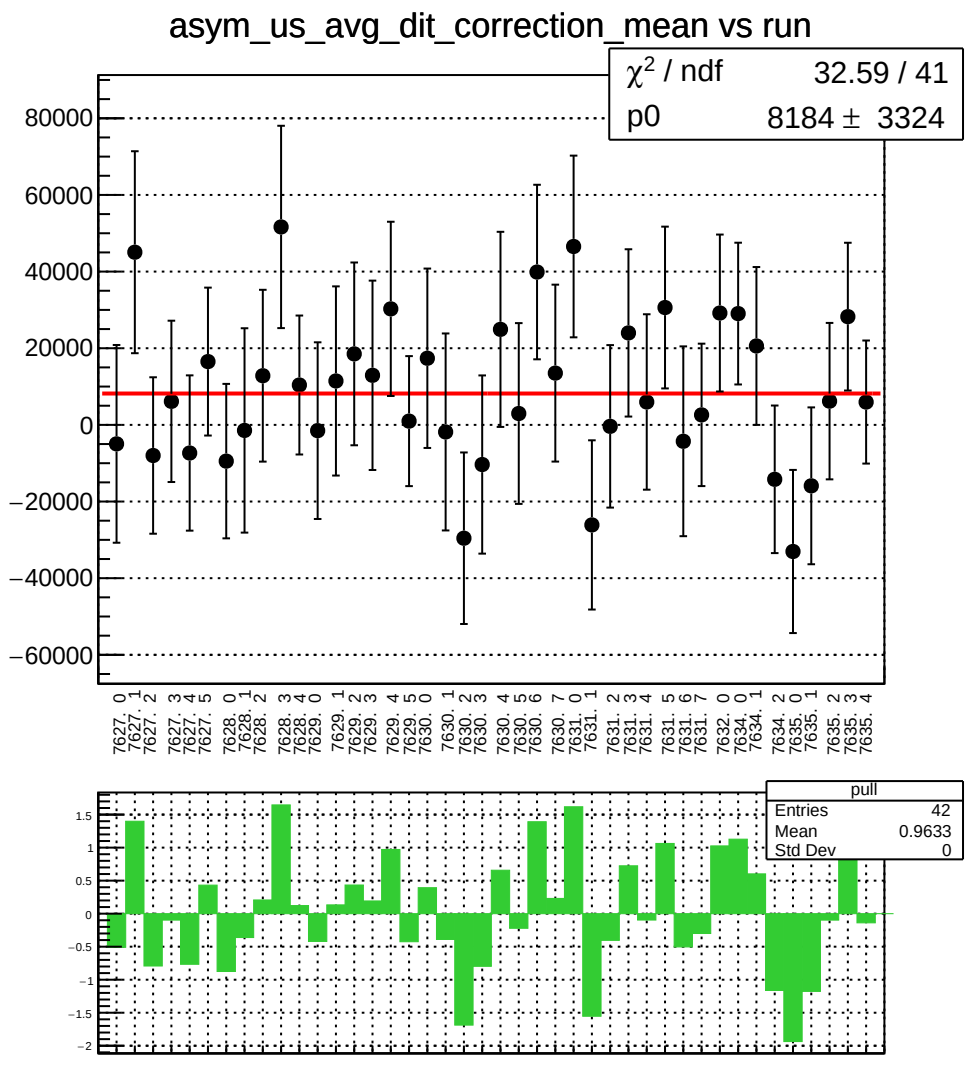
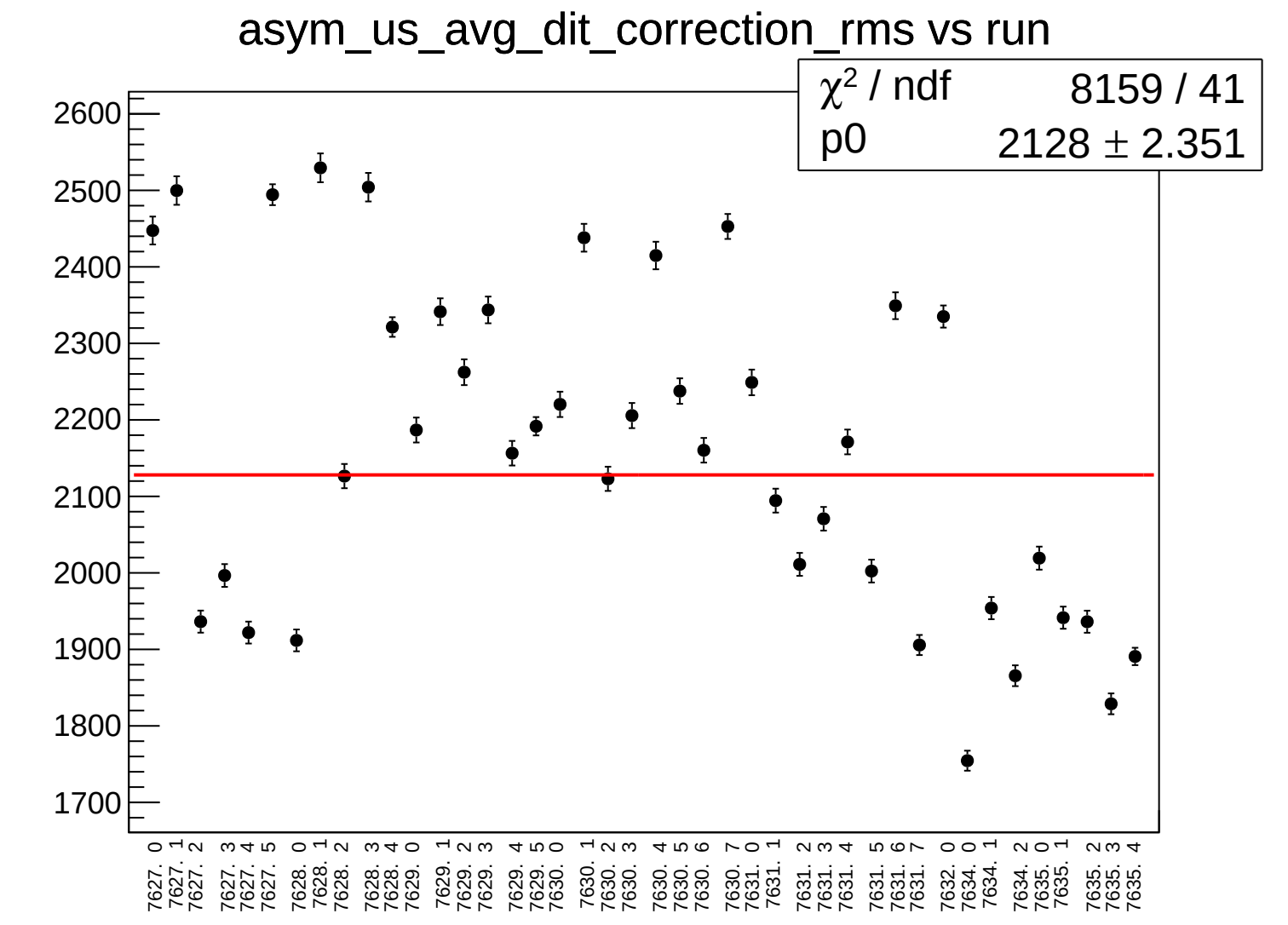
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

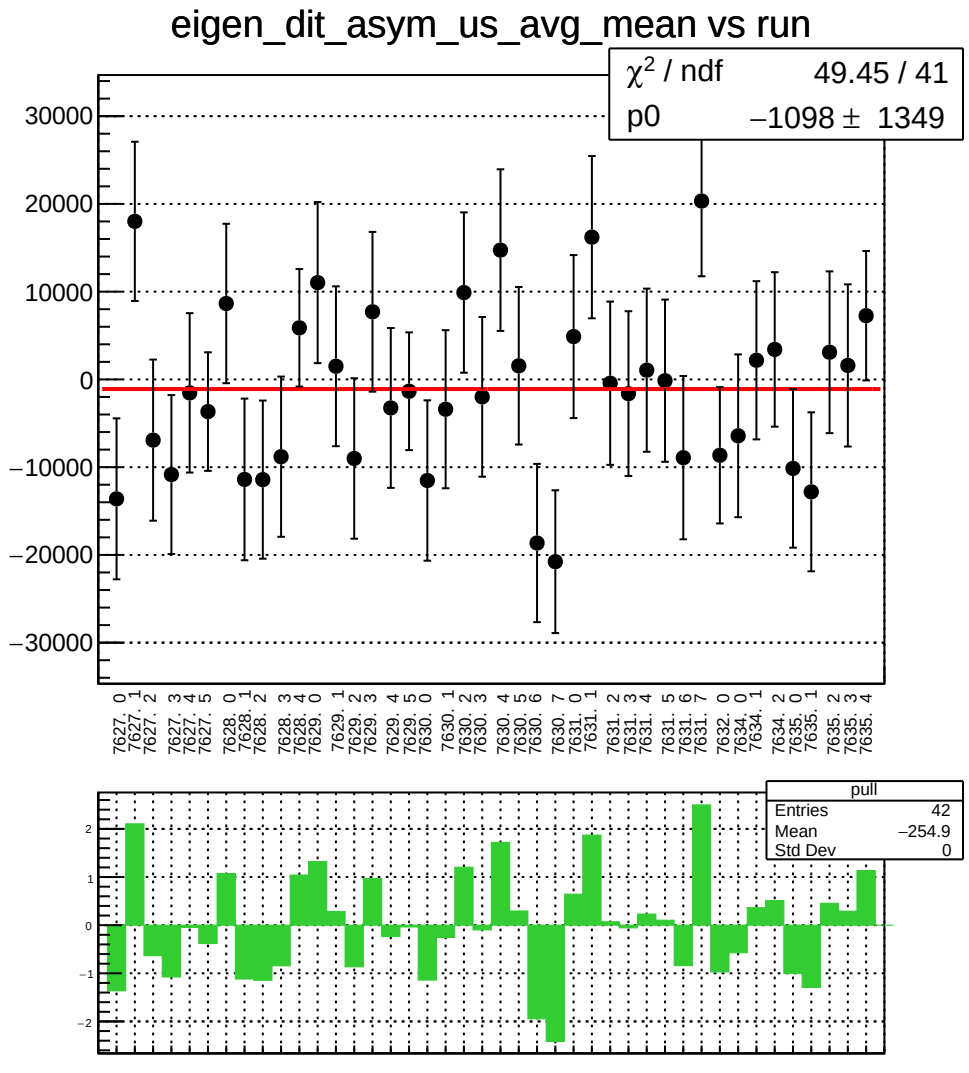

dit_asym_us_avg_mean vs run
χ² / ndf 49.45 / 41
p0 −1098 ± 1349
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −254.9
Std Dev 0
2
1
0
−1
−2

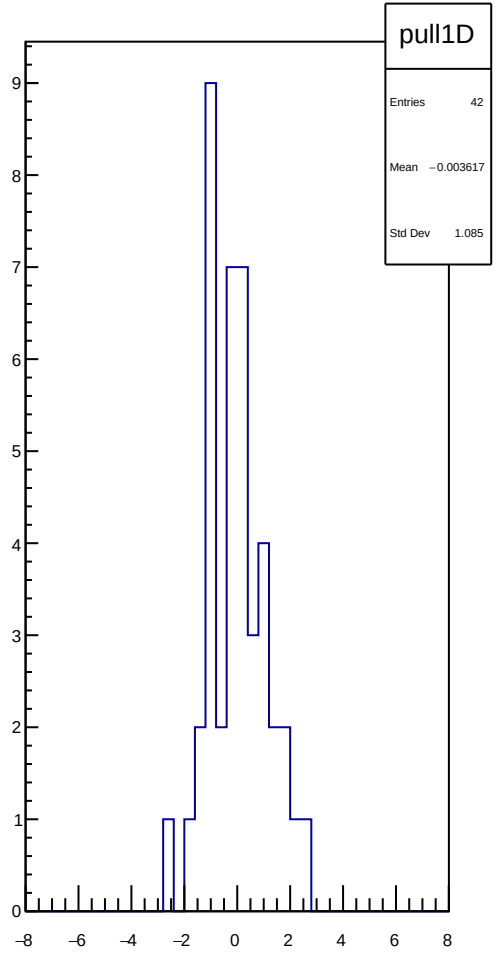

pull1D
Entries 42
Mean −0.003617
Std Dev 1.085
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

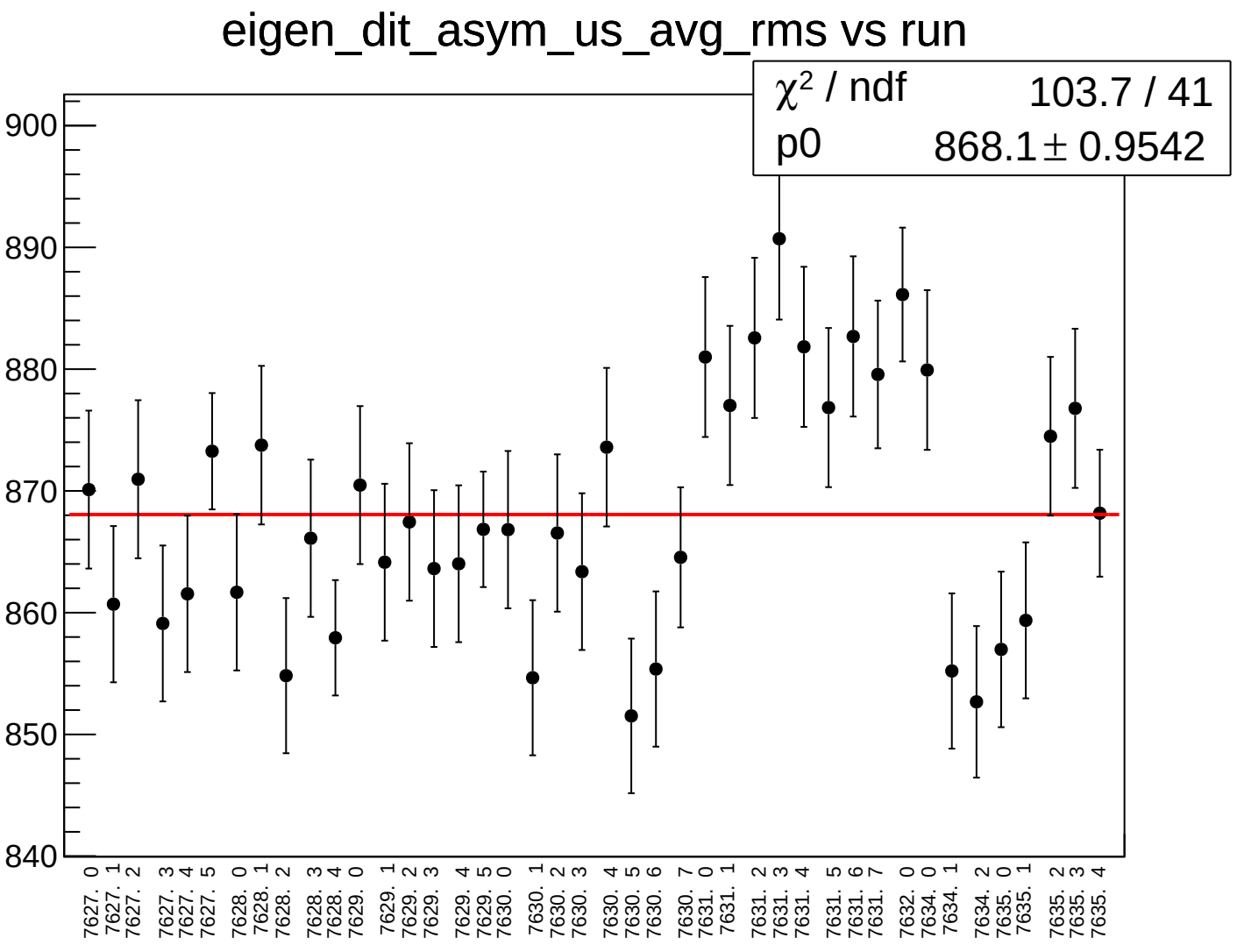

dit_asym_us_avg_rms vs run
χ² / ndf 103.7 / 41
p0 868.1 ± 0.9542
900
890
880
870
860
850
840
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

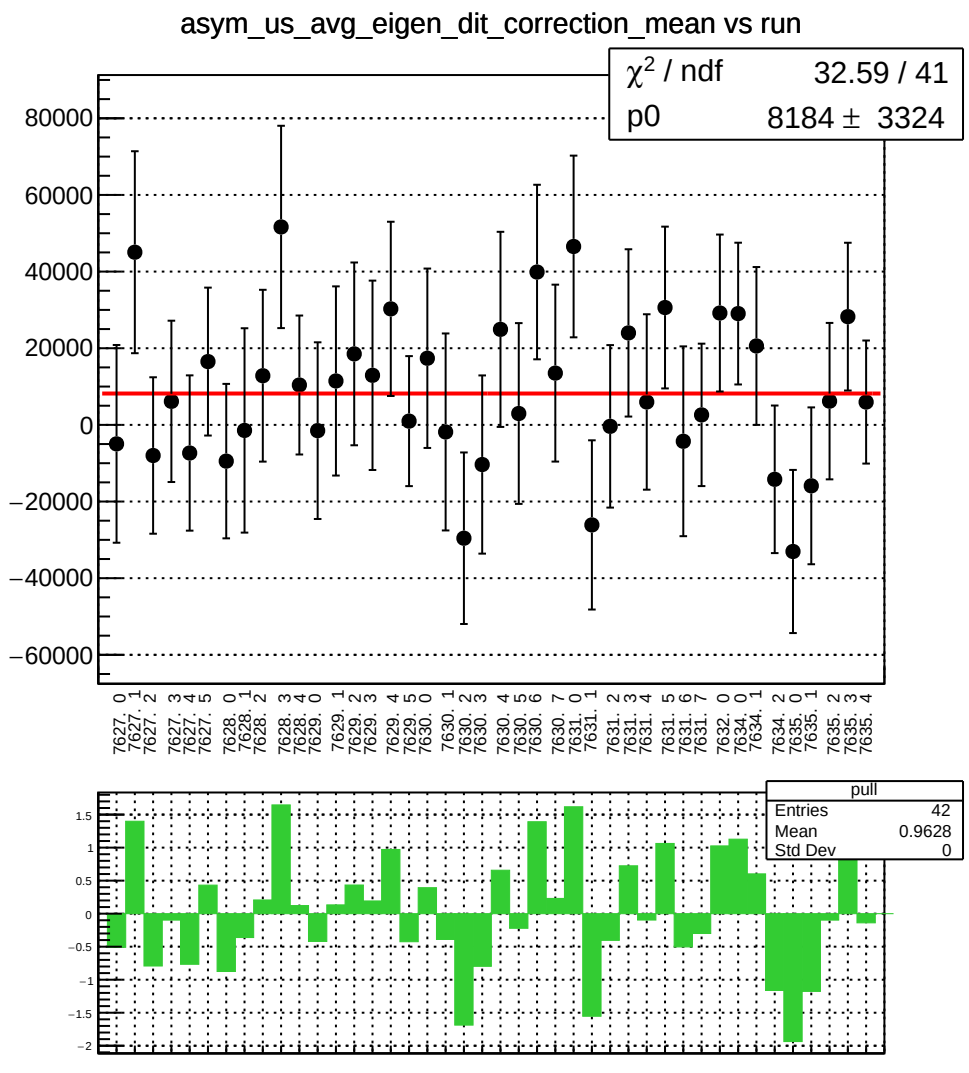

asym_us_avg_dit_correction_mean vs run
χ² / ndf 32.59 / 41
p0 8184 ± 3324
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.9633
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01674
Std Dev 0.8807
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

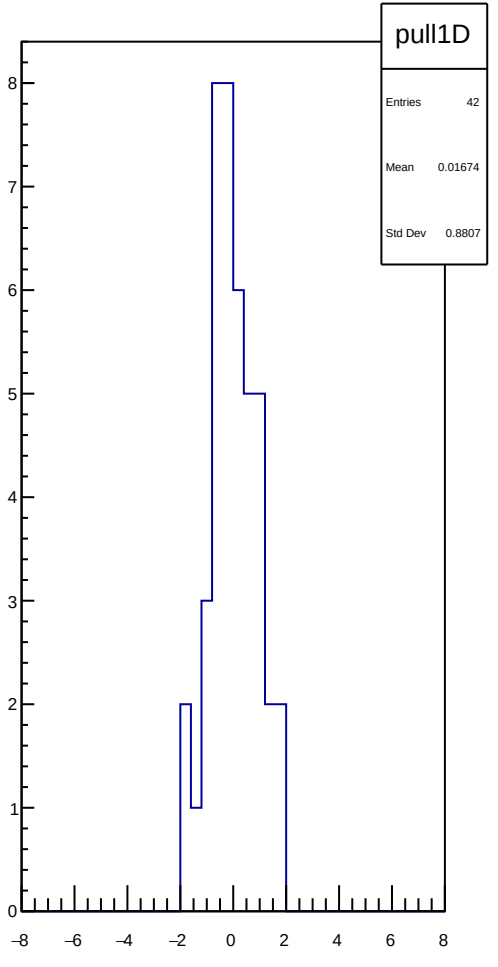

asym_us_avg_dit_correction_rms vs run
χ² / ndf 8159 / 41
p0 2128 ± 2.351
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

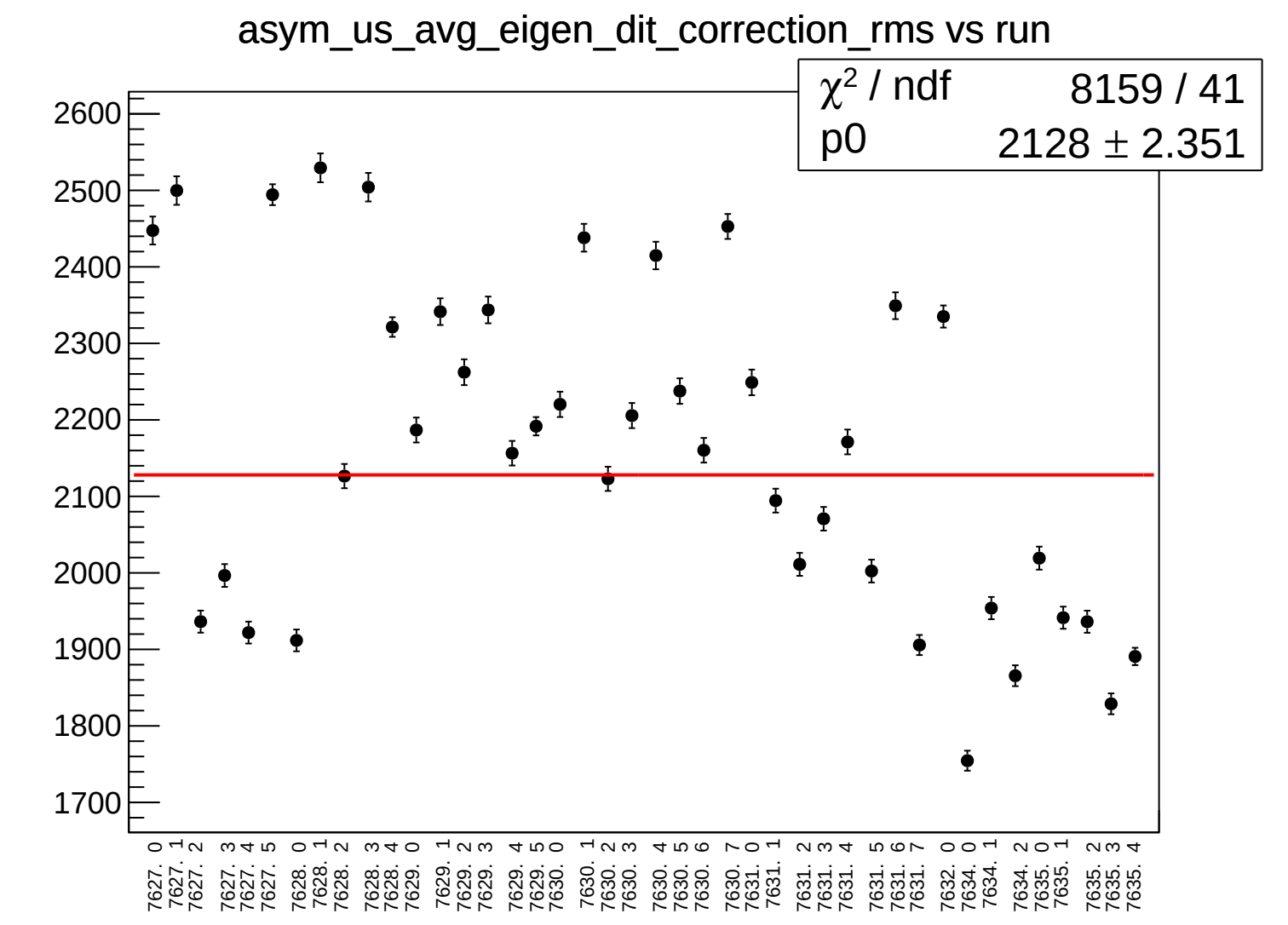

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 49.45 / 41
p0 −1098 ± 1349
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −254.9
Std Dev 0
2
1
0
−1
−2

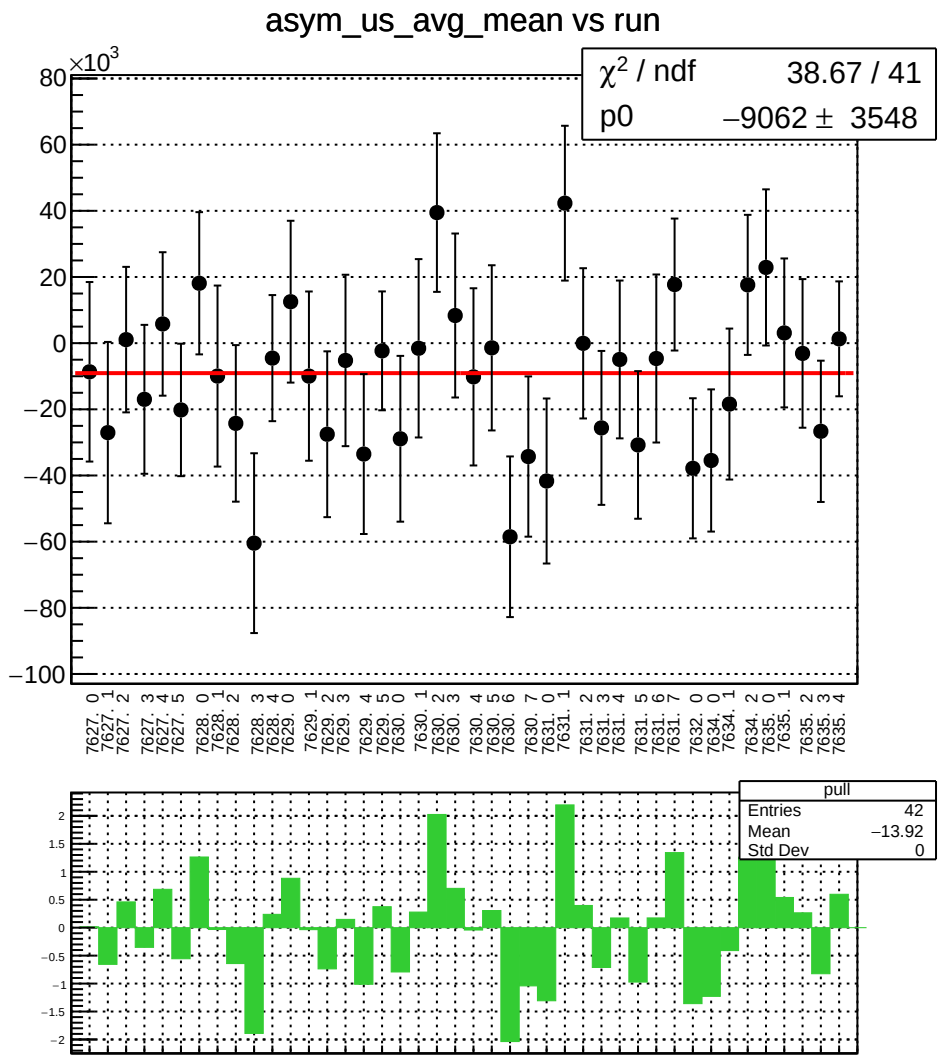

pull1D
Entries 42
Mean −0.003617
Std Dev 1.085
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

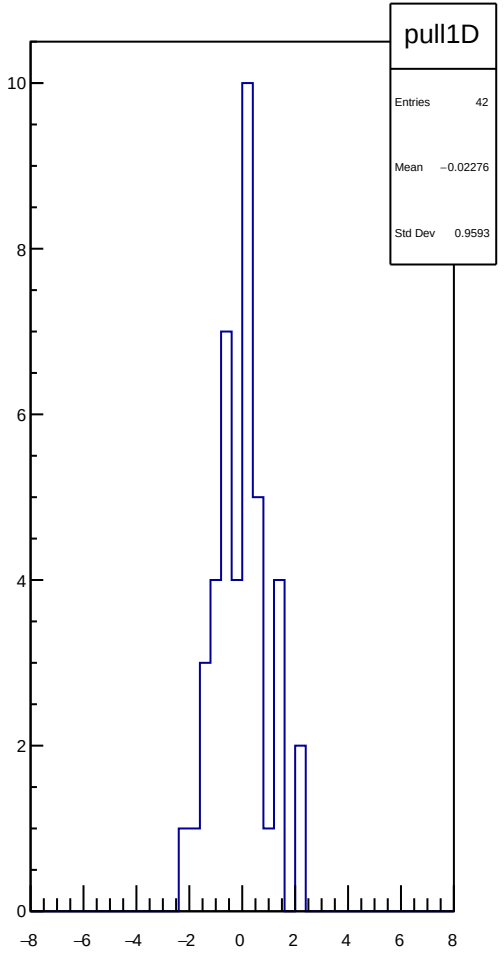

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 103.7 / 41
p0 868.1 ± 0.9542
900
890
880
870
860
850
840
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

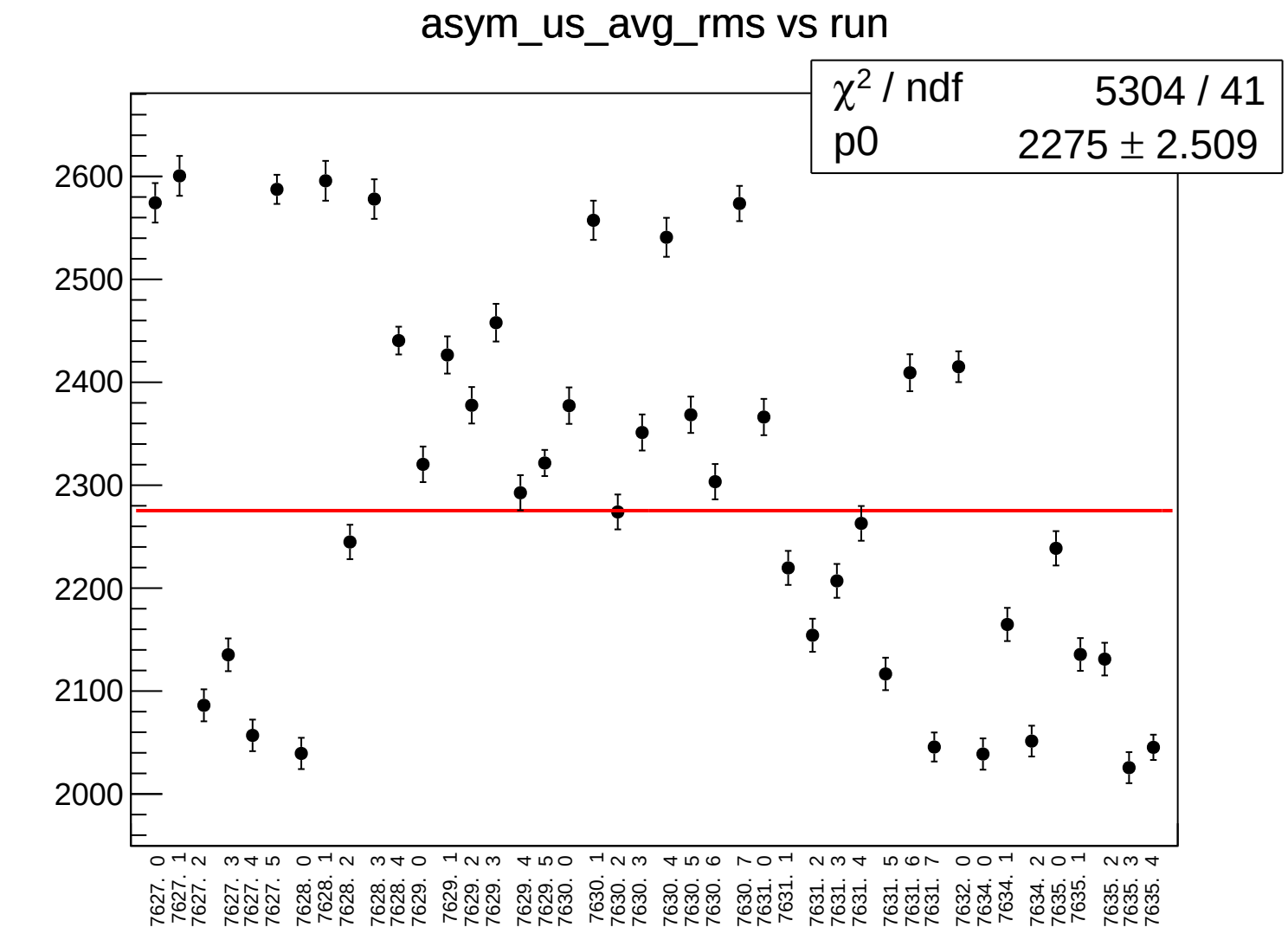

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 32.59 / 41
p0 8184 ± 3324
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.9628
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

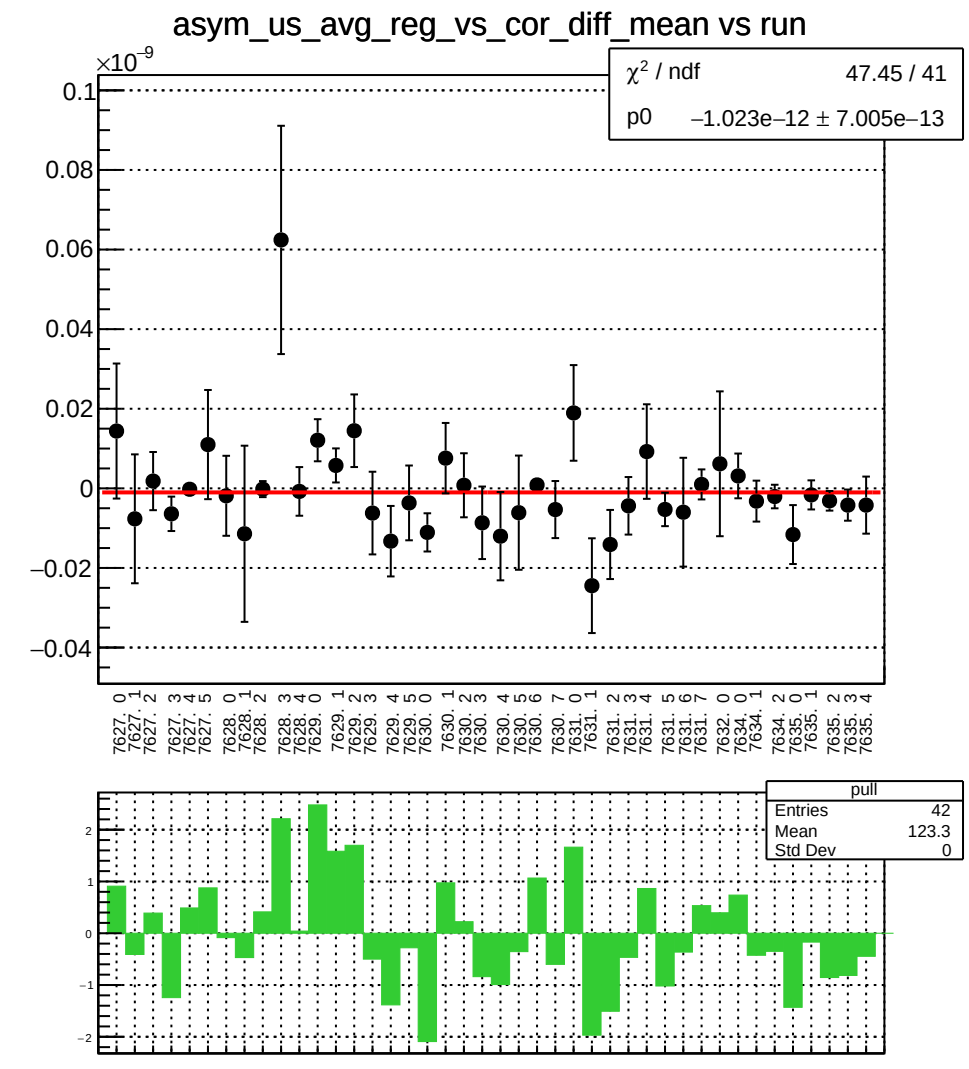

pull1D
Entries 42
Mean 0.01674
Std Dev 0.8807
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

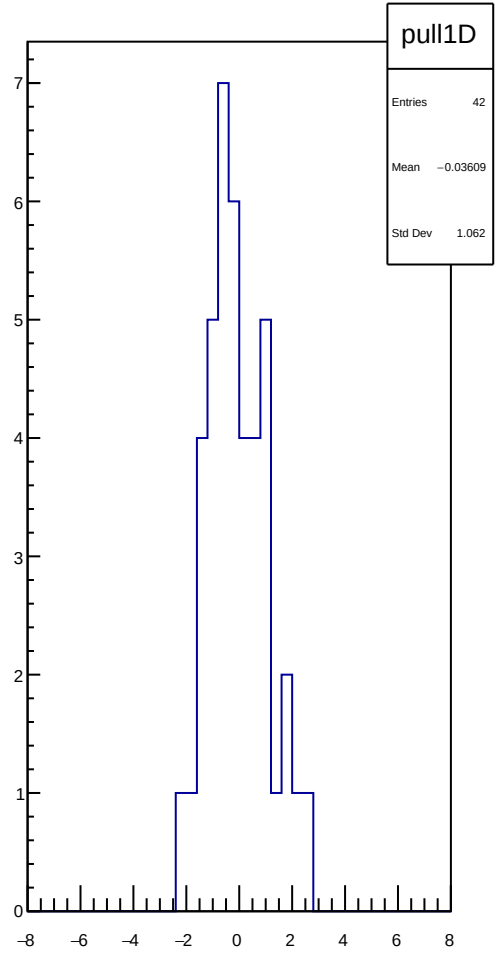

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 8159 / 41
p0 2128 ± 2.351
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

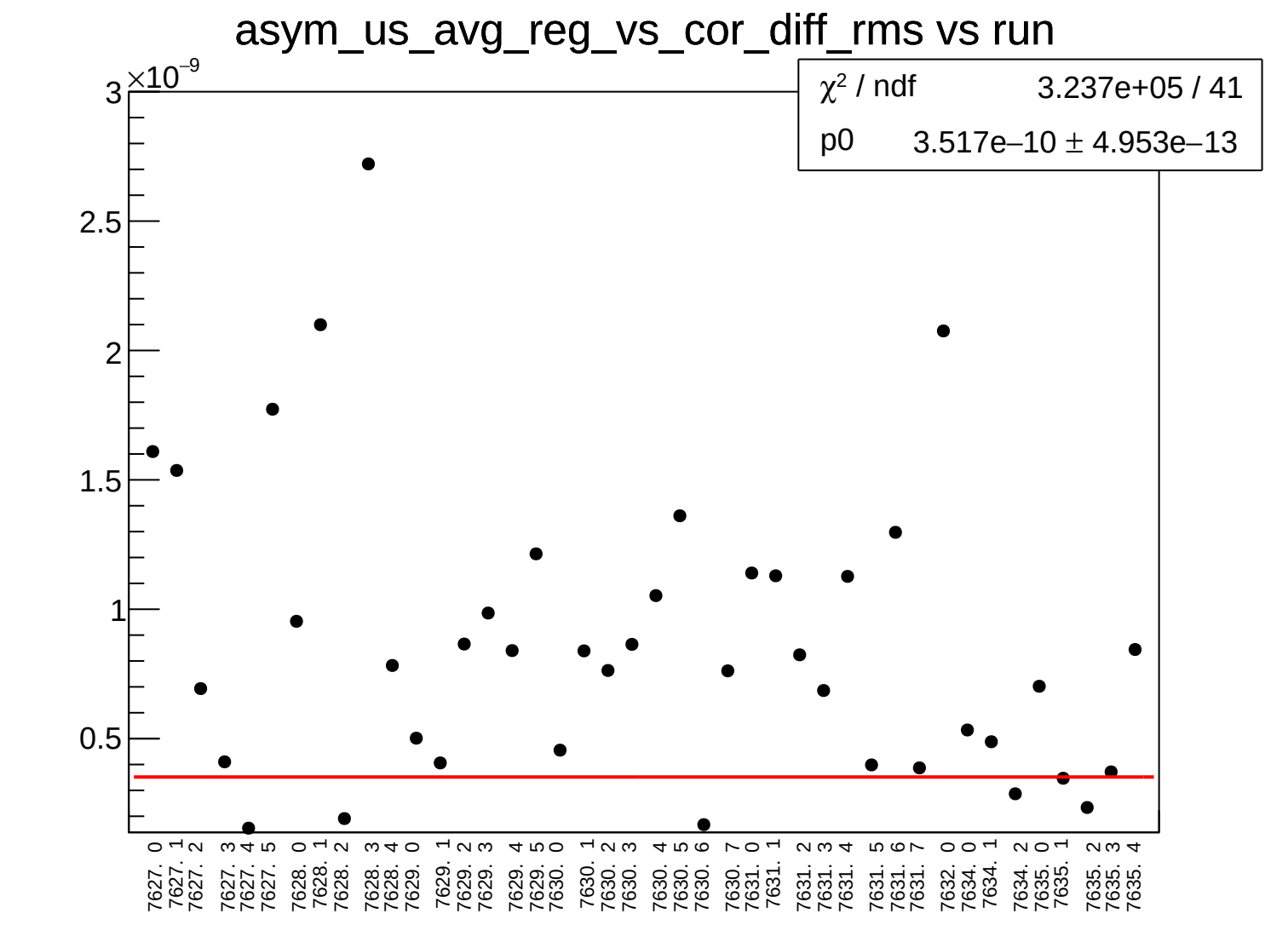

asym_us_avg_mean vs run
×10^3
χ² / ndf 38.67 / 41
p0 −9062 ± 3548
pull
Entries 42
Mean −13.92
Std Dev 0


pull1D
Entries 42
Mean −0.02276
Std Dev 0.9593


asym_us_avg_rms vs run
χ² / ndf 5304 / 41
p0 2275 ± 2.509
2600
2500
2400
2300
2200
2100
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 47.45 / 41
p0 −1.023e−12 ± 7.005e−13
pull
Entries 42
Mean 123.3
Std Dev 0


pull1D
Entries 42
Mean −0.03609
Std Dev 1.062


asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
3
2.5
2
1.5
1
0.5
χ² / ndf 3.237e+05 / 41
p0 3.517e−10 ± 4.953e−13
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7635. 0
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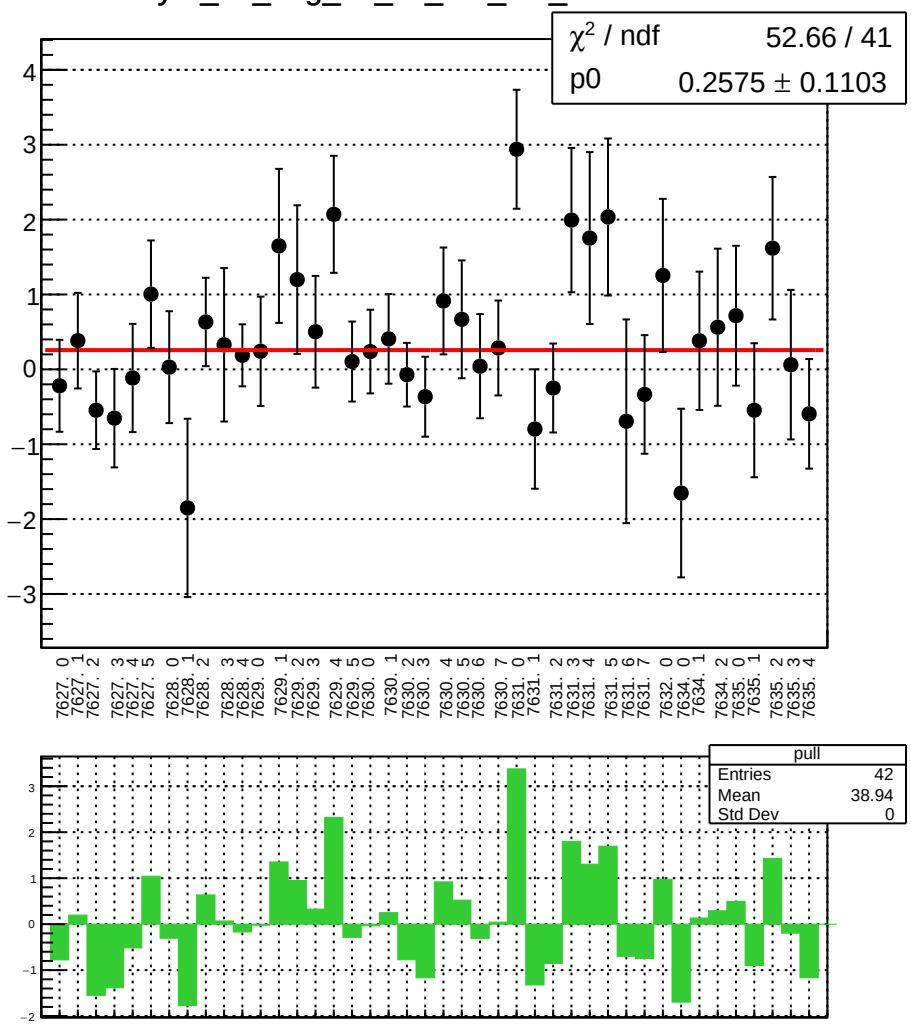
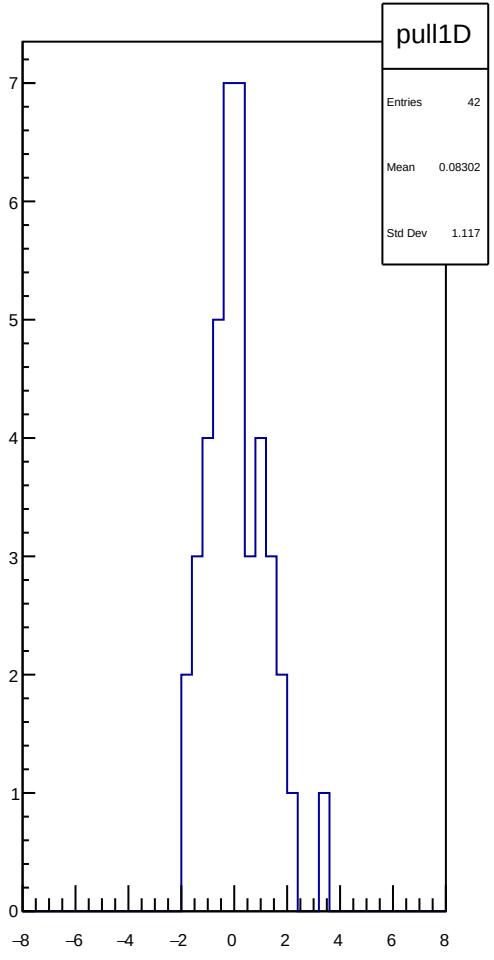
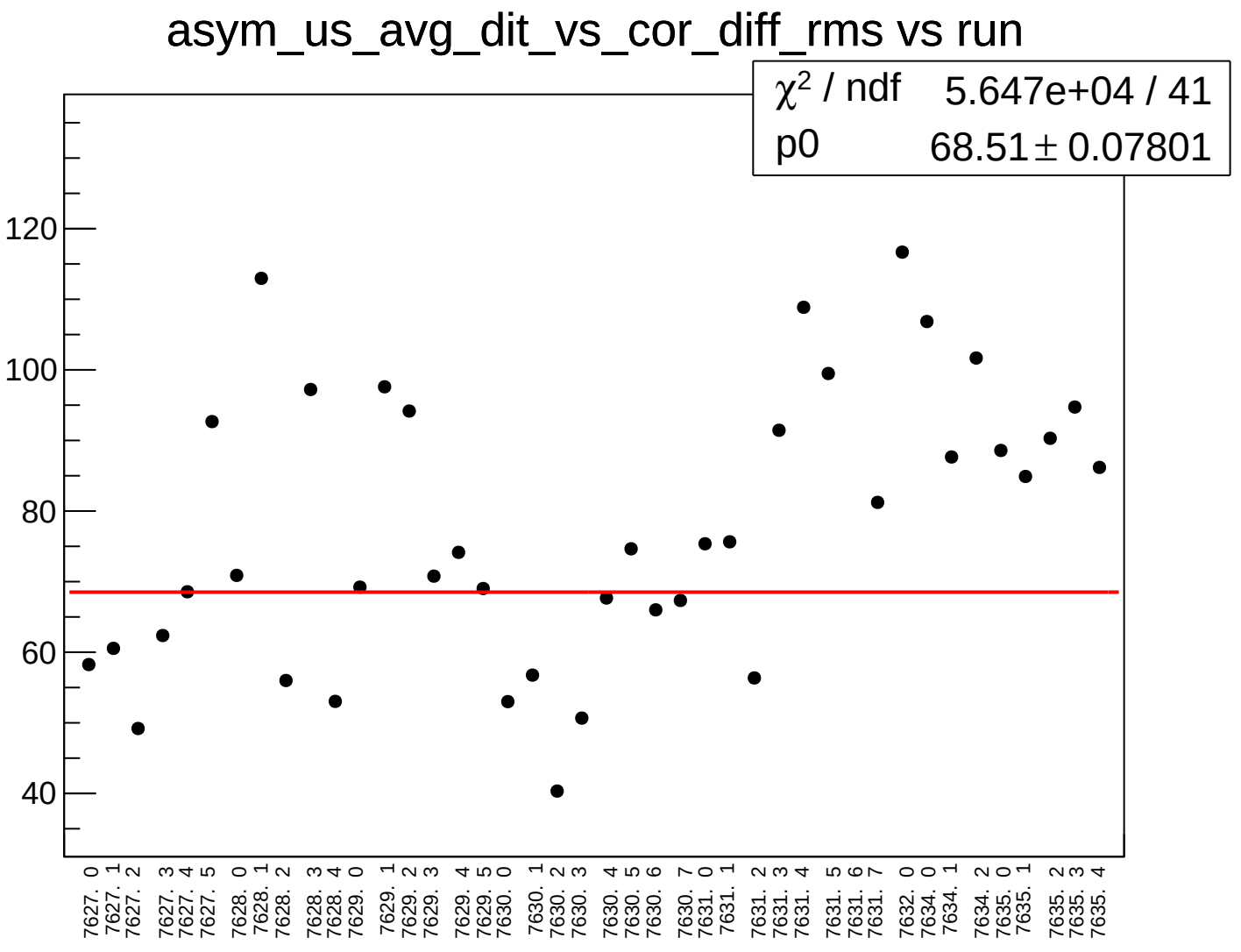
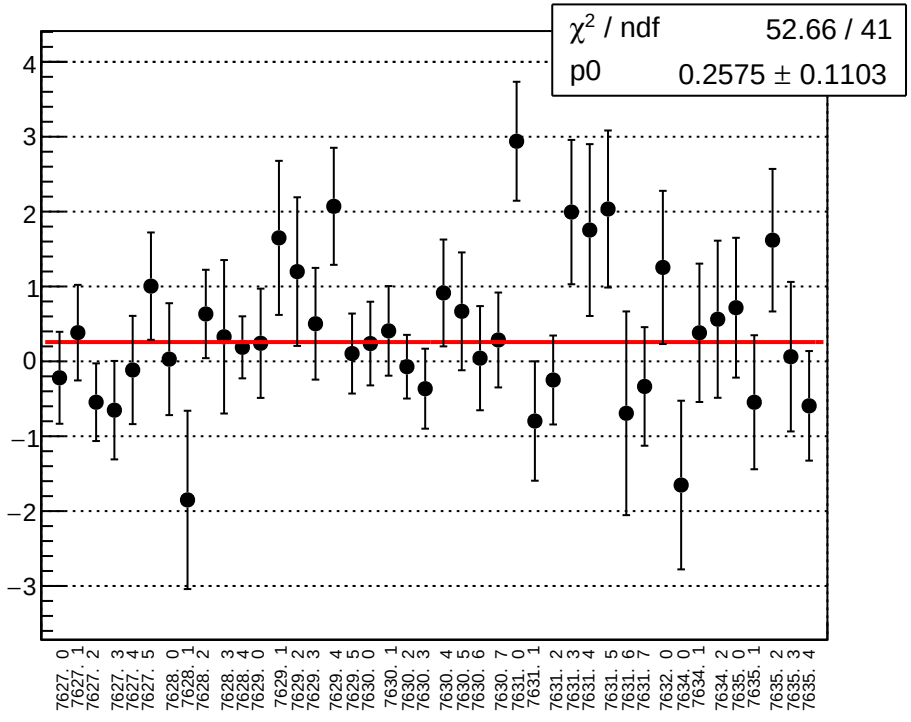
7635. 3
7635. 4

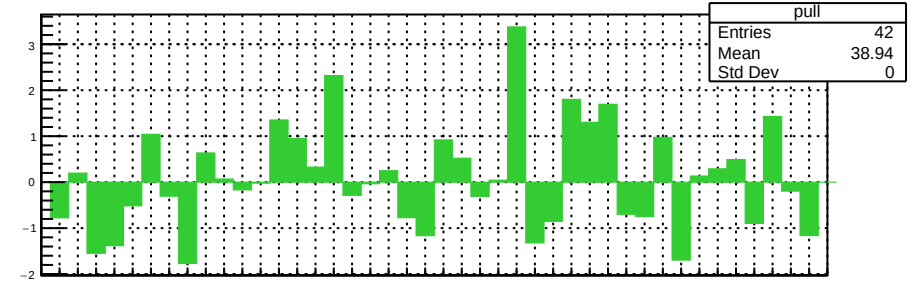

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.66 / 41
p0 0.2575 ± 0.1103
pull
Entries 42
Mean 38.94
Std Dev 0

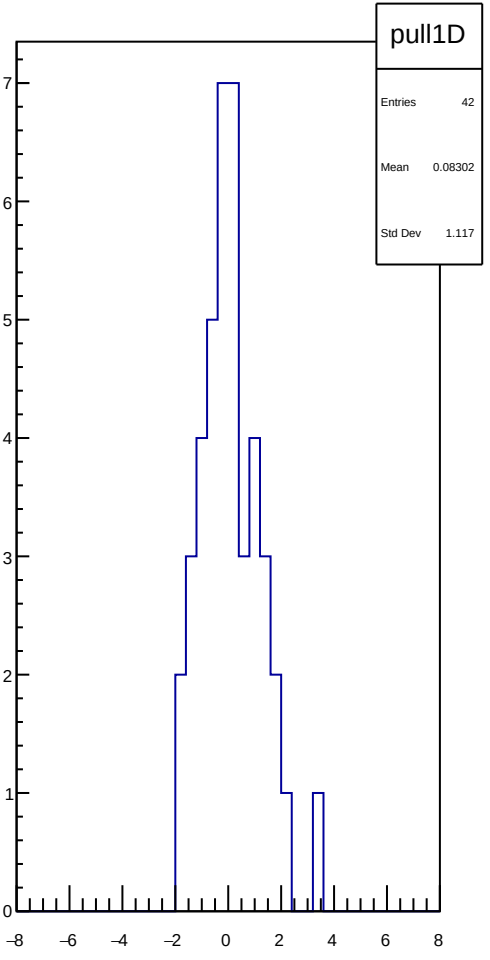

pull1D
Entries 42
Mean 0.08302
Std Dev 1.117

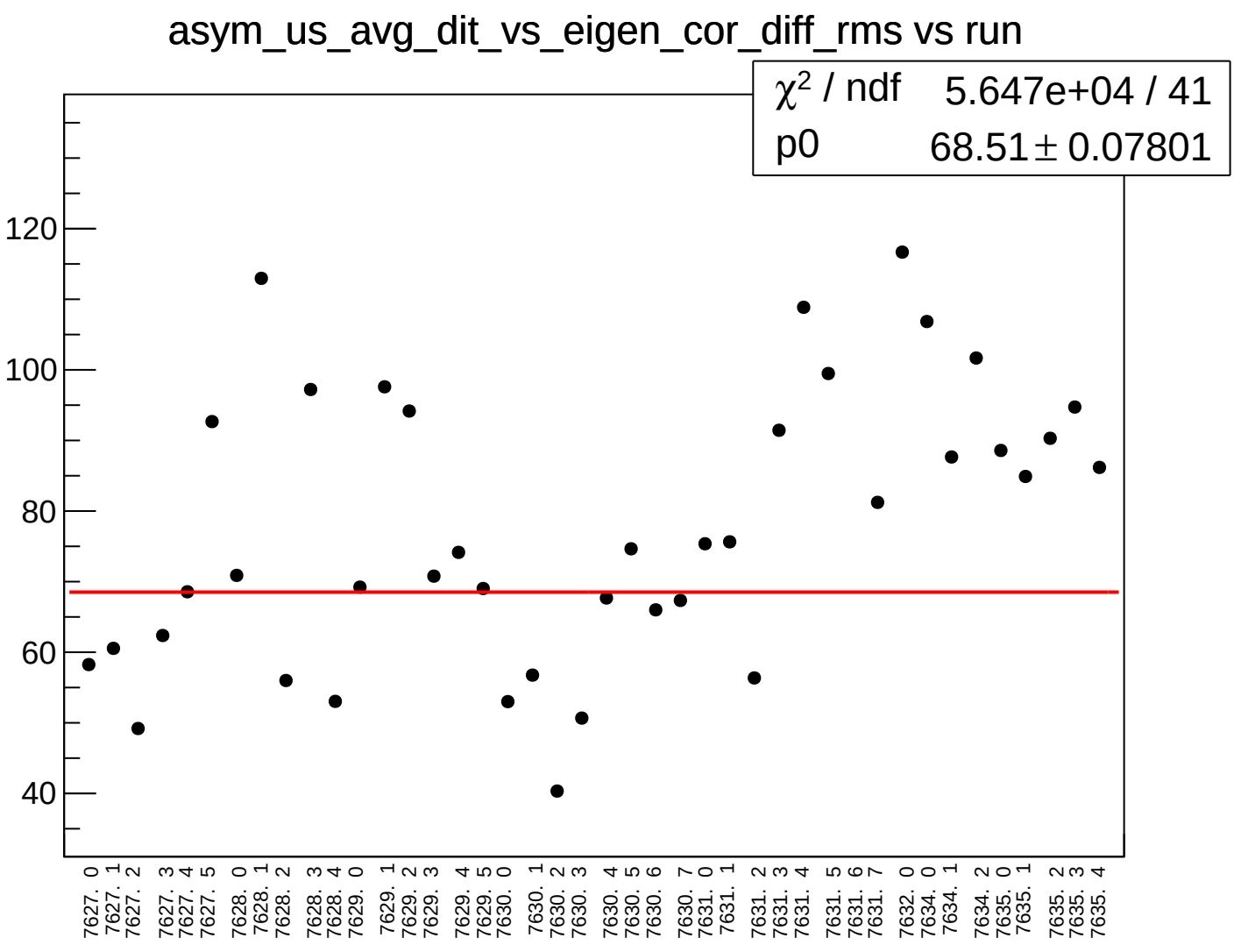

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.647e+04 / 41
p0 68.51 ± 0.07801
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

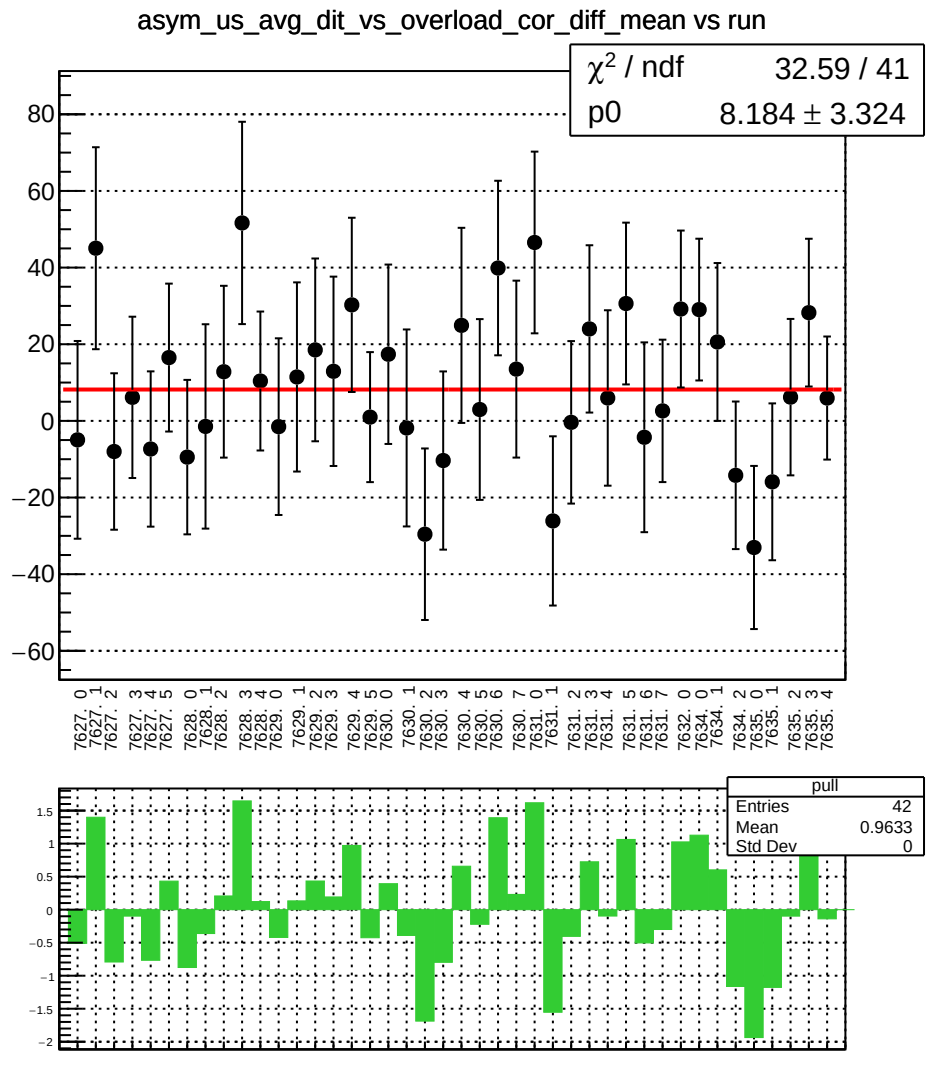
asym_us_avg_dit_vs_eigen_cor_diff_mean vs run

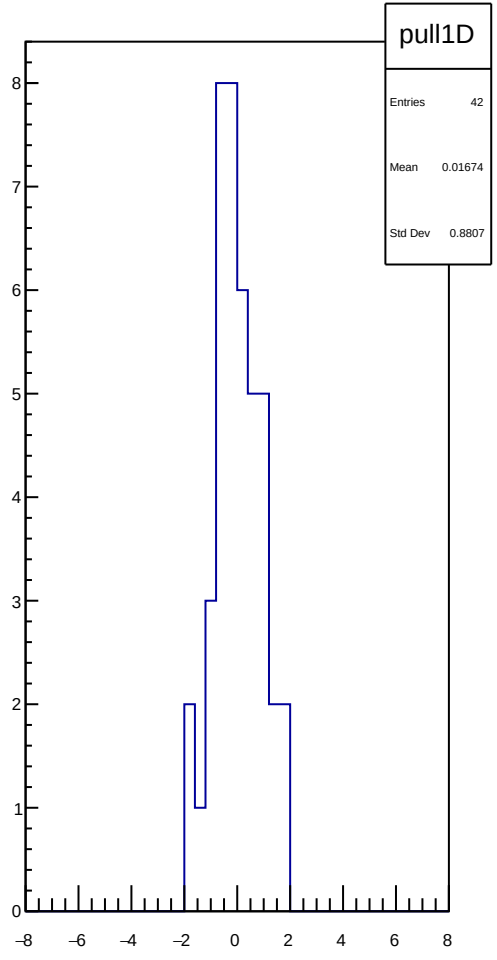


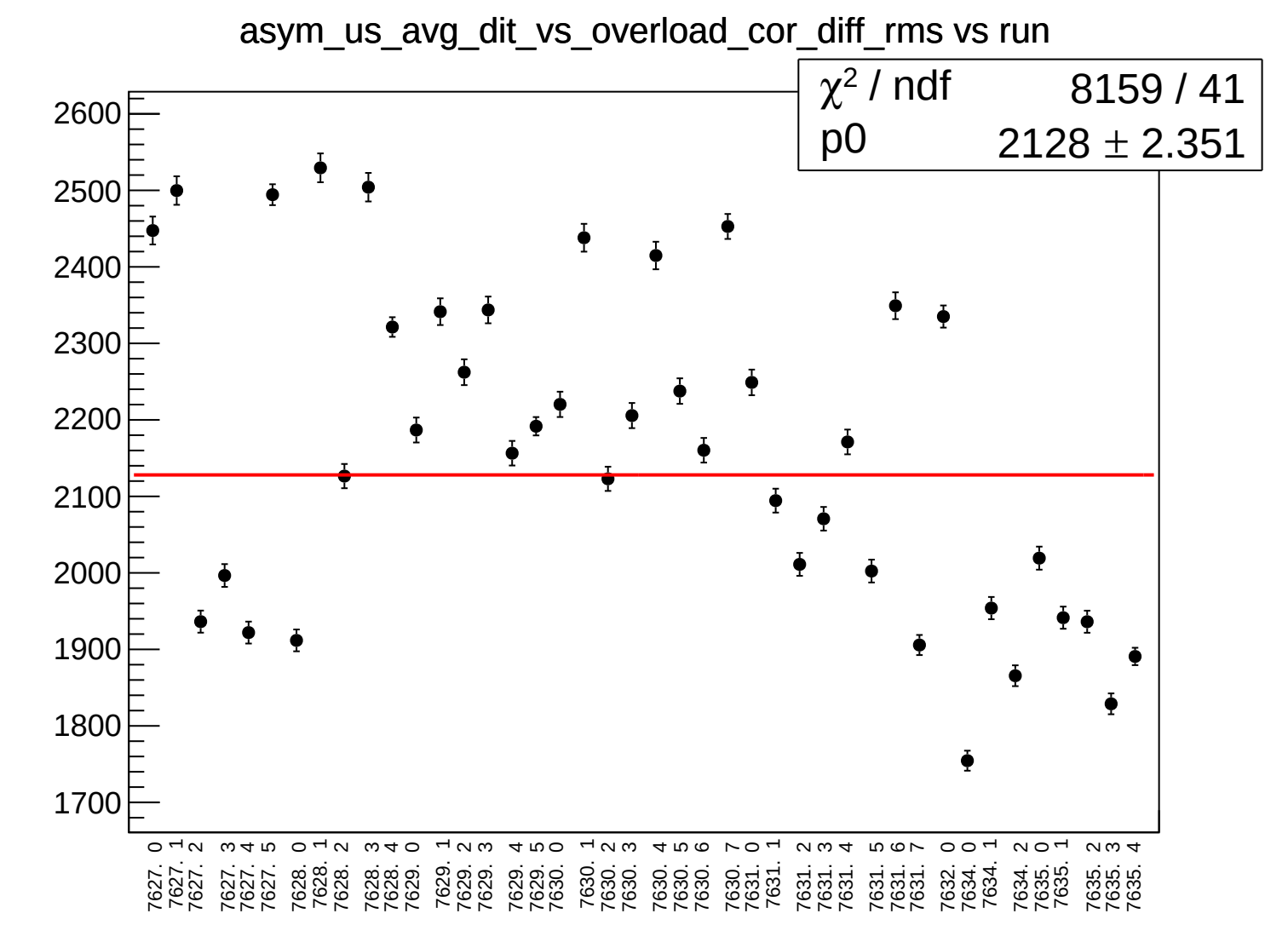


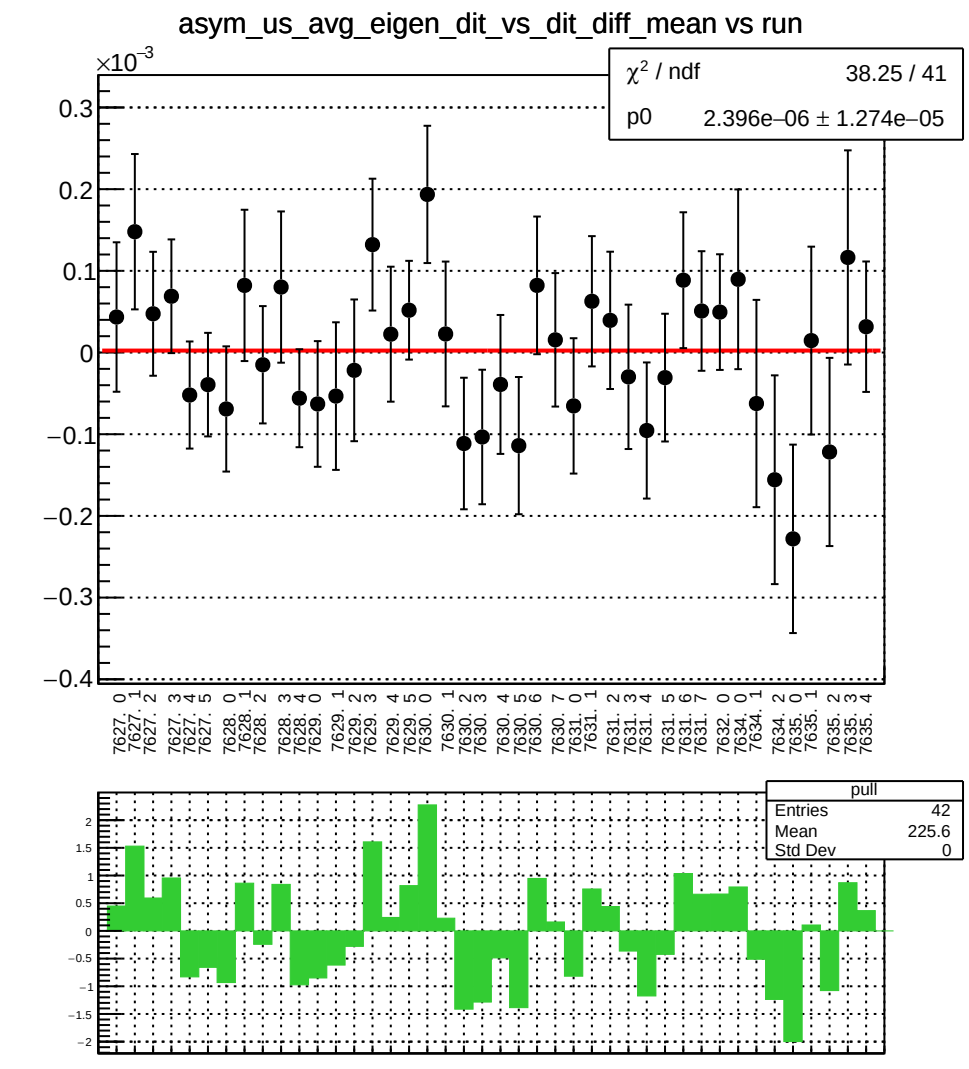


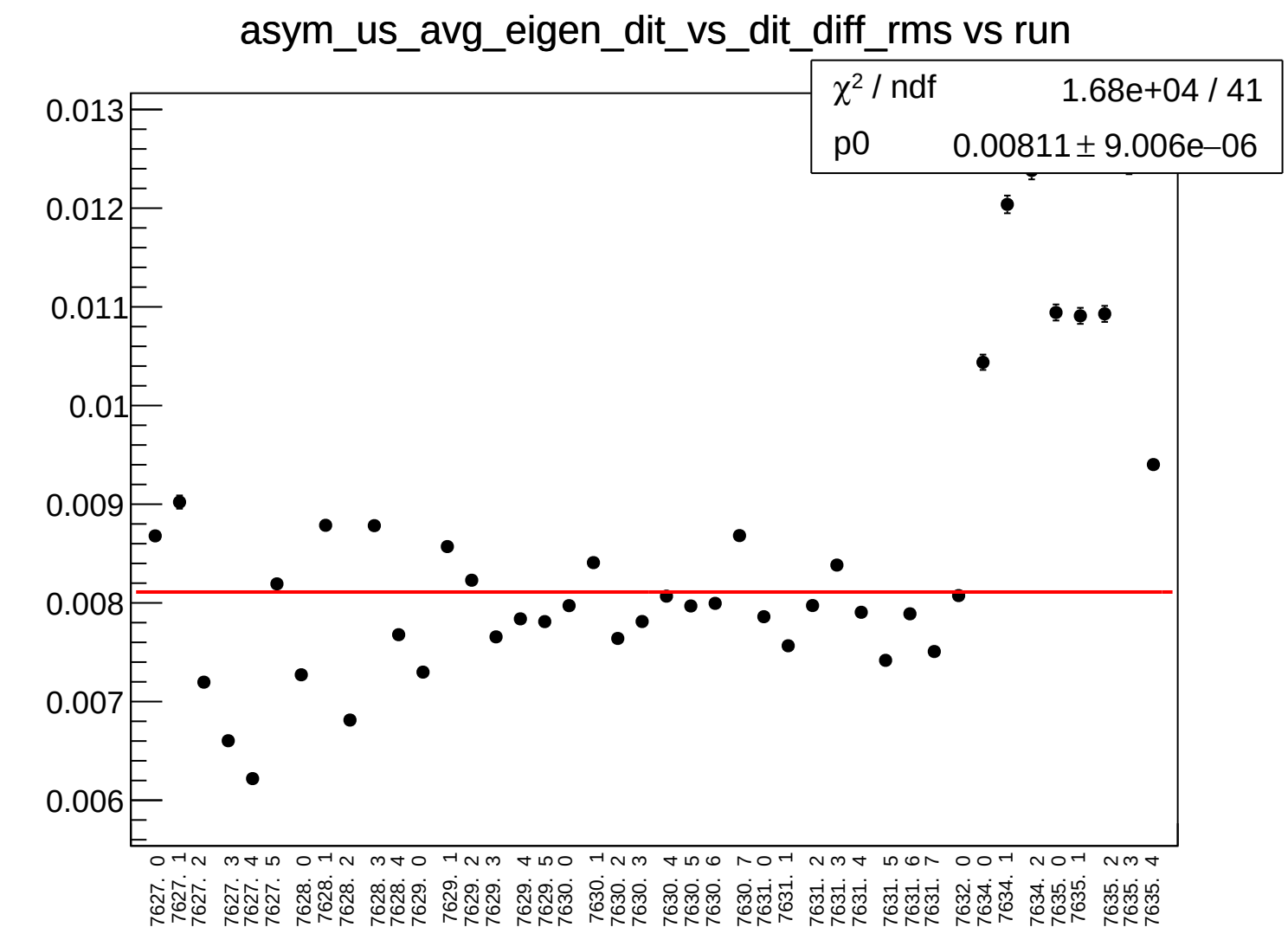

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.647e+04 / 41
p0 68.51 ± 0.07801
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

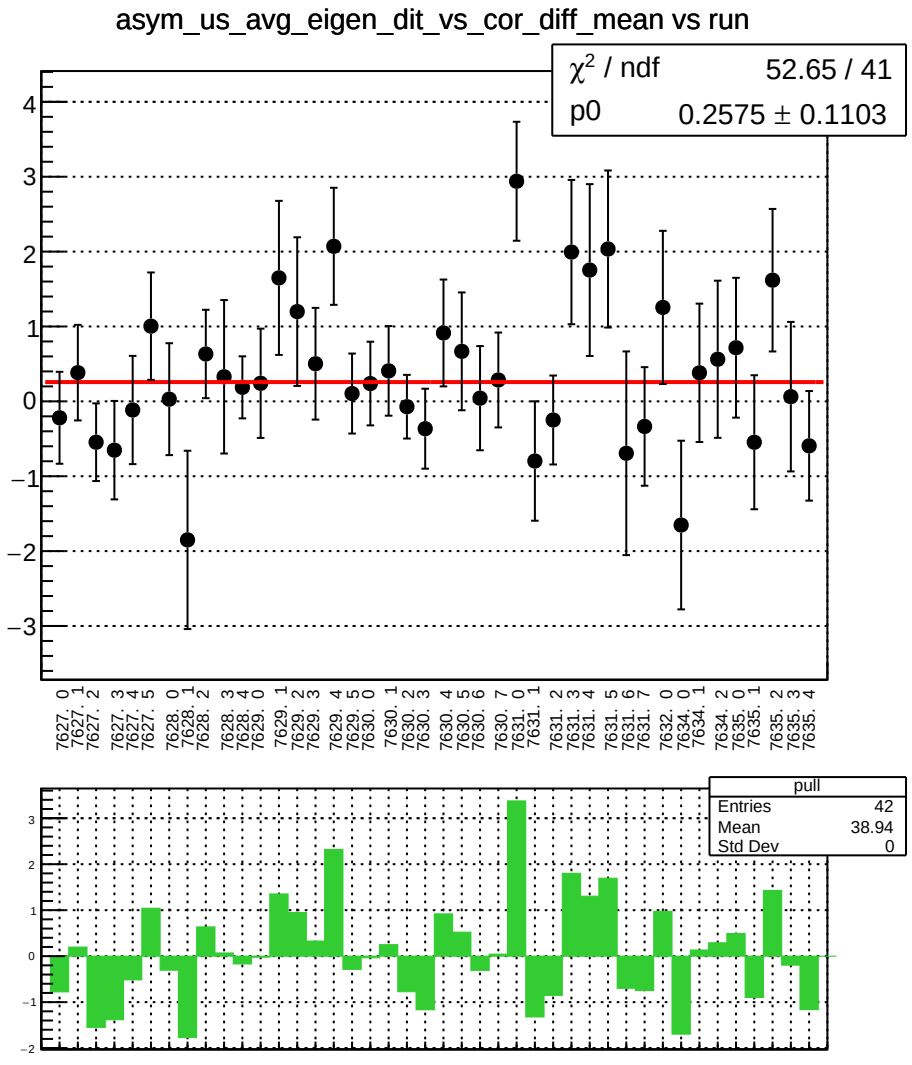

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 32.59 / 41
p0 8.184 ± 3.324
pull
Entries 42
Mean 0.9633
Std Dev 0

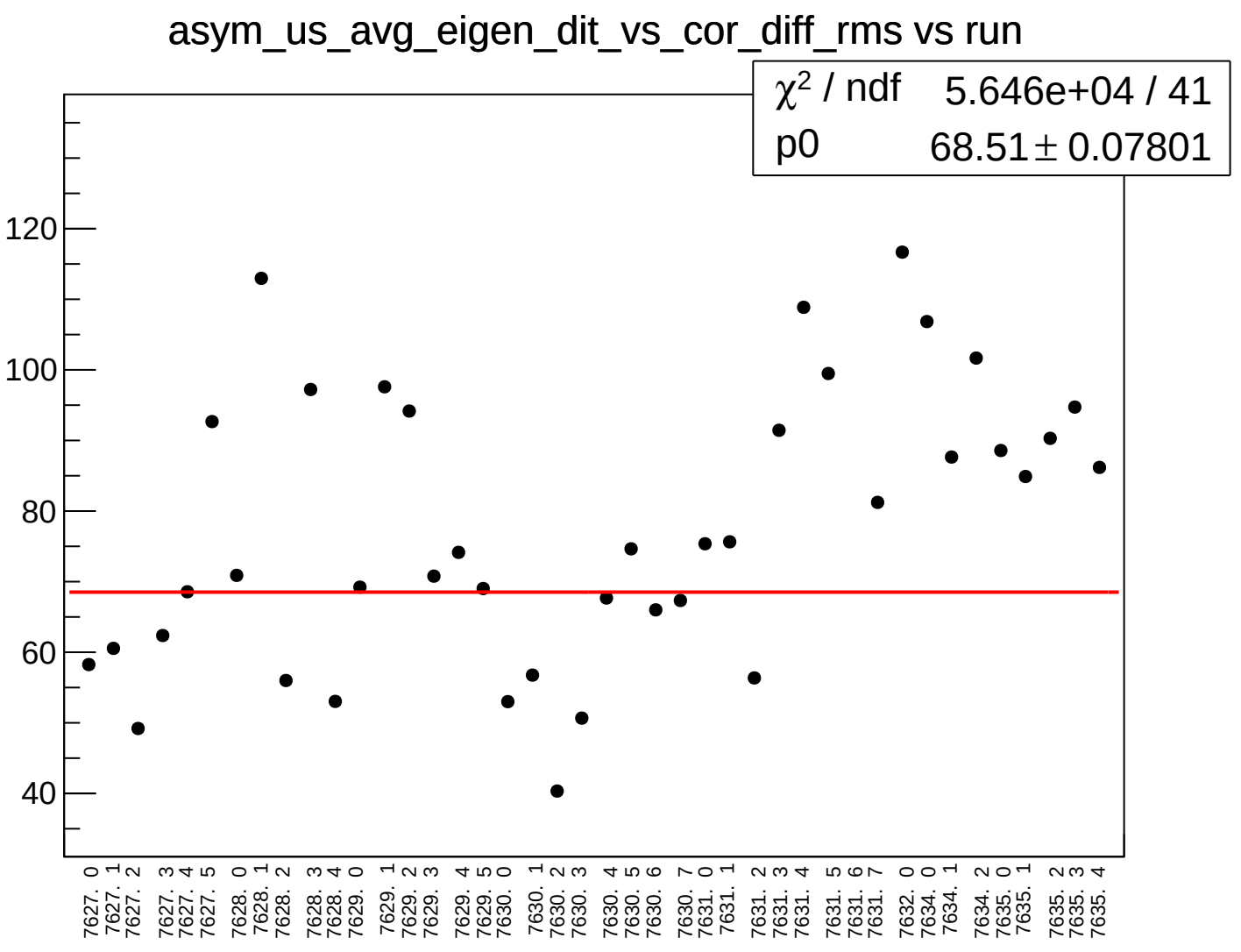

pull1D
Entries 42
Mean 0.01674
Std Dev 0.8807

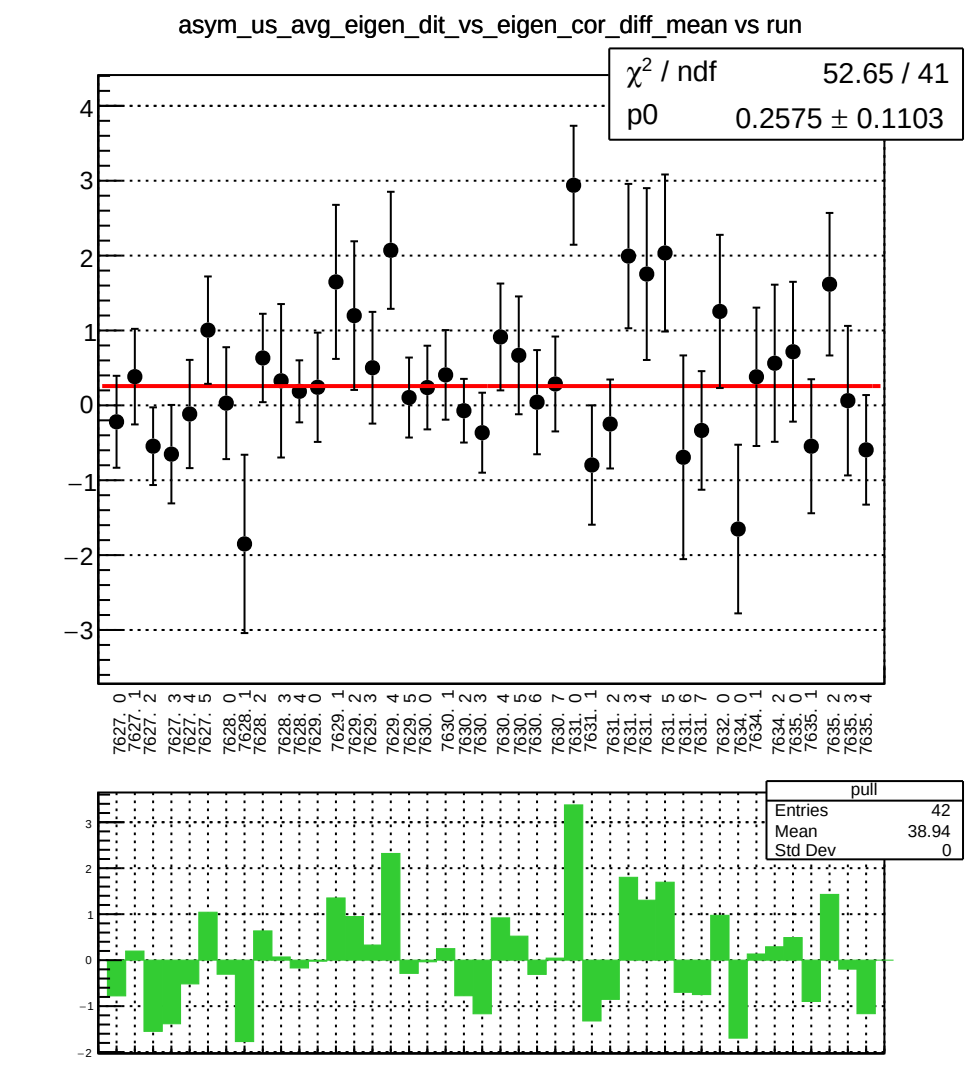

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 8159 / 41
p0 2128 ± 2.351
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

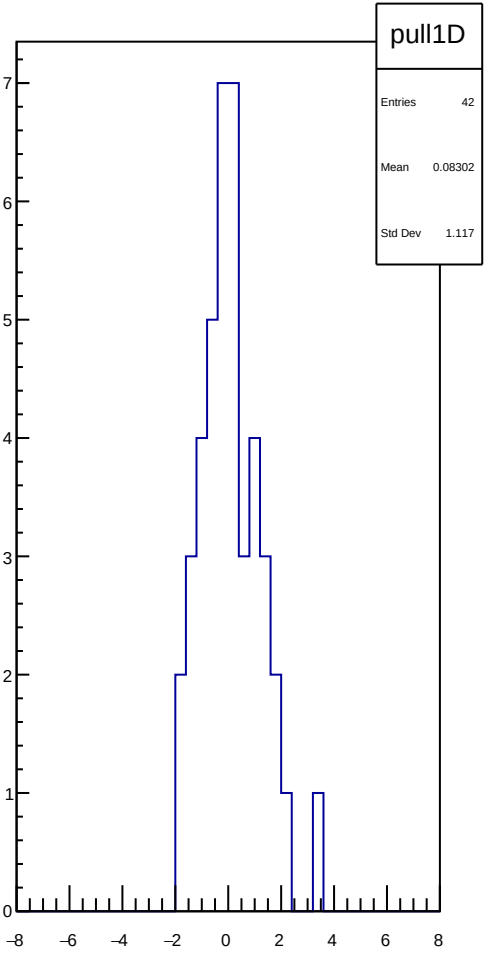

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.25 / 41
p0 2.396e−06 ± 1.274e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 225.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.008337
Std Dev 0.9543
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

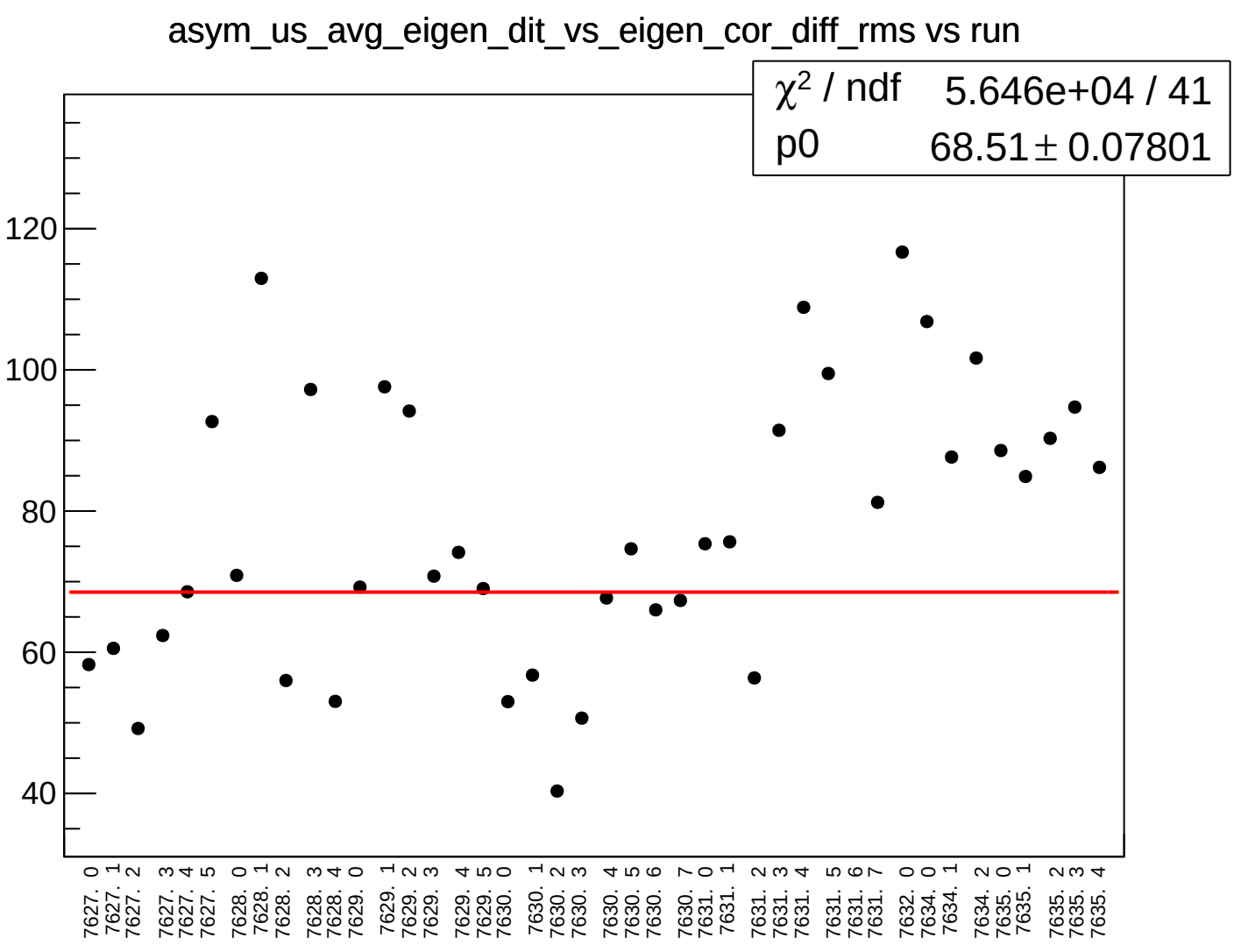

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.68e+04 / 41
p0 0.00811 ± 9.006e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

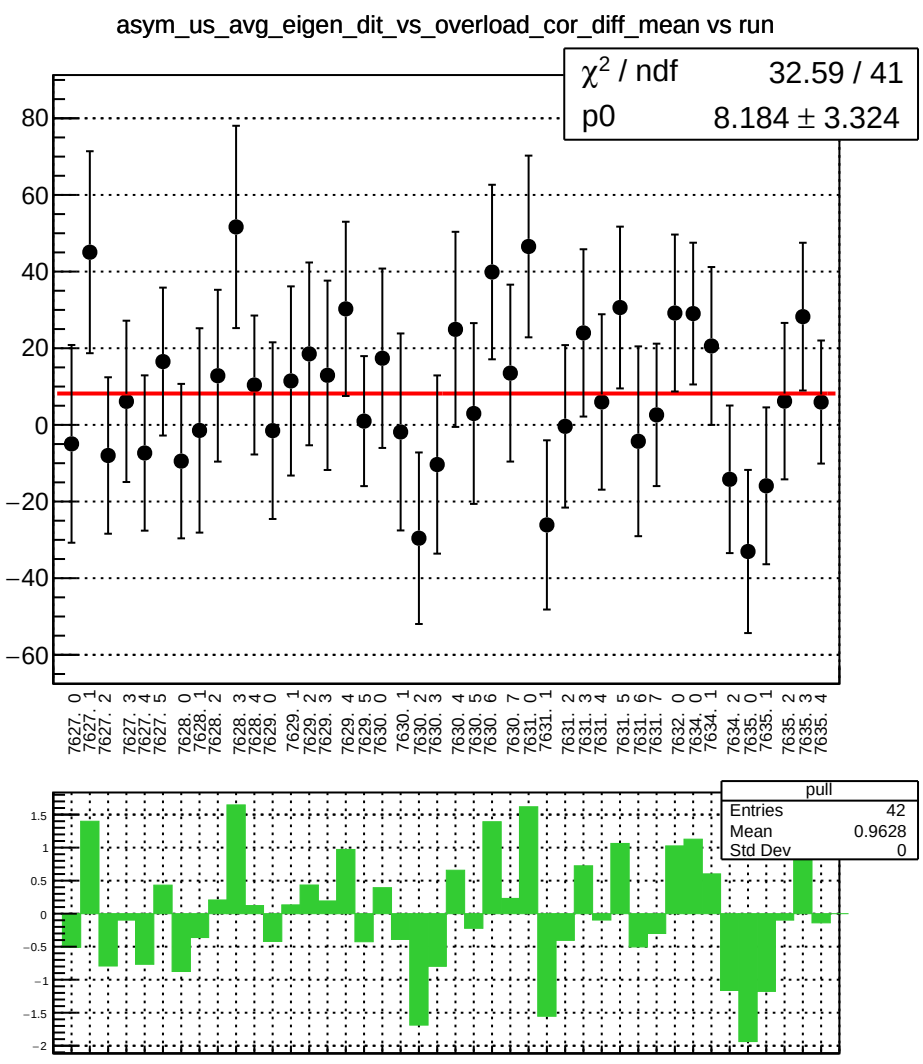

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.65 / 41
p0 0.2575 ± 0.1103
pull
Entries 42
Mean 38.94
Std Dev 0
pull1D
Entries 42
Mean 0.08302
Std Dev 1.117

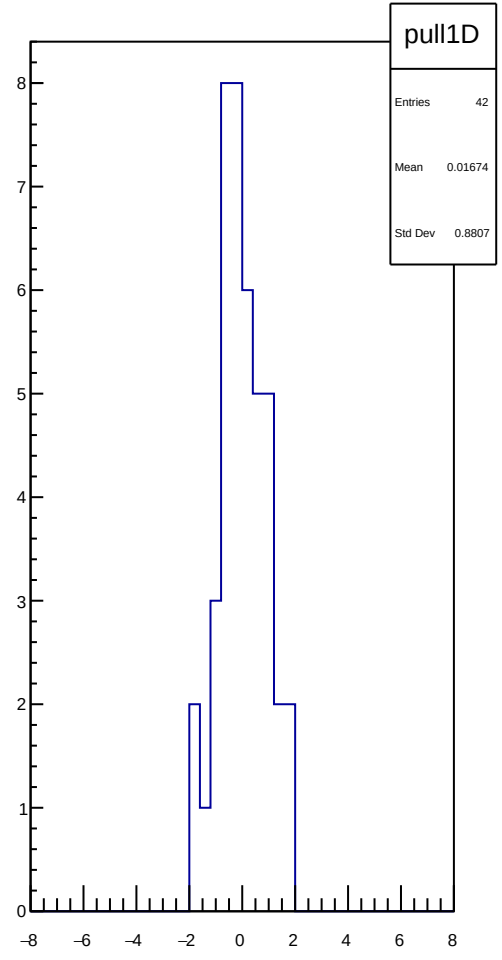

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.646e+04 / 41
p0 68.51 ± 0.07801
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

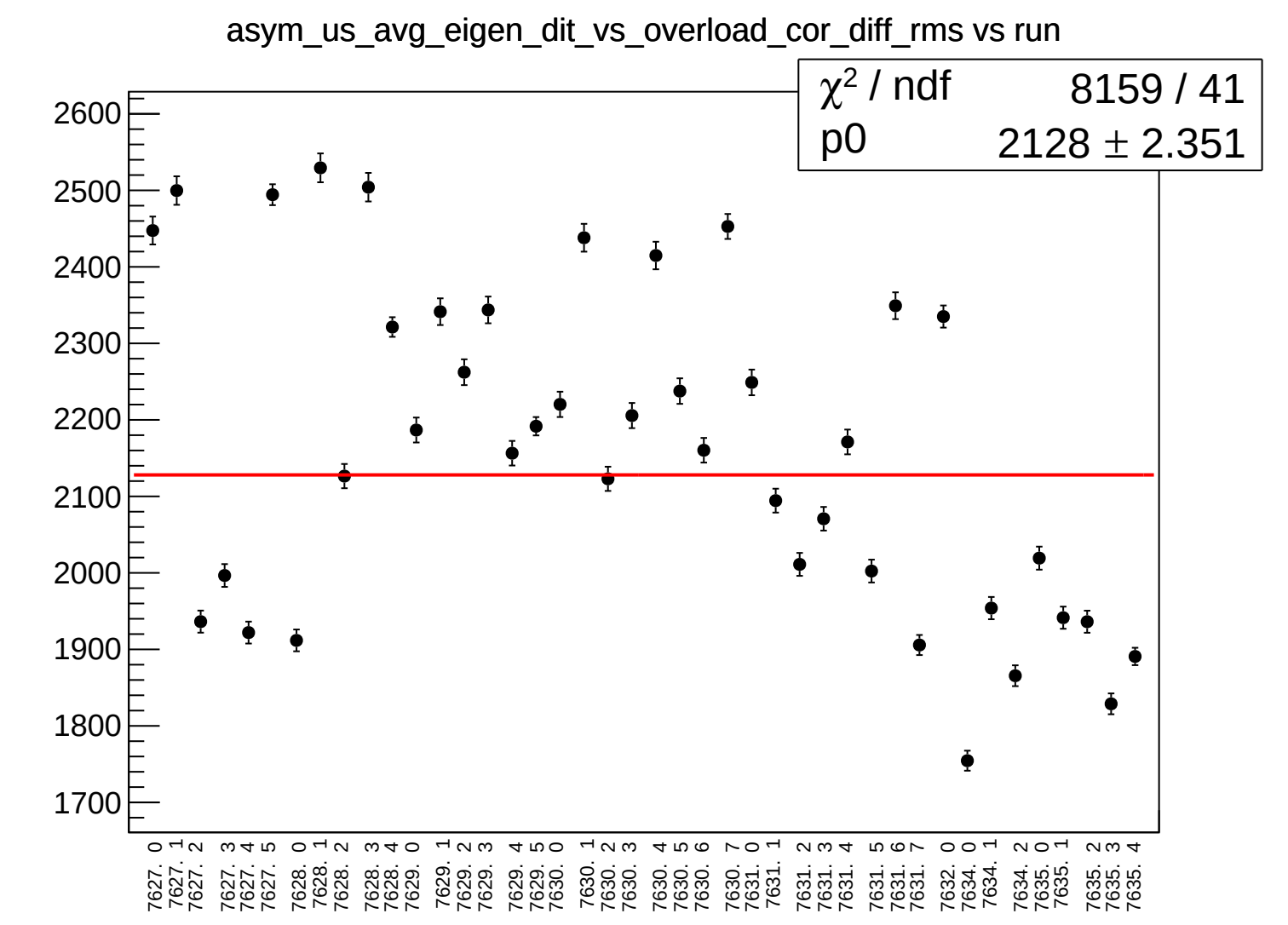

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.65 / 41
p0 0.2575 ± 0.1103
pull
Entries 42
Mean 38.94
Std Dev 0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

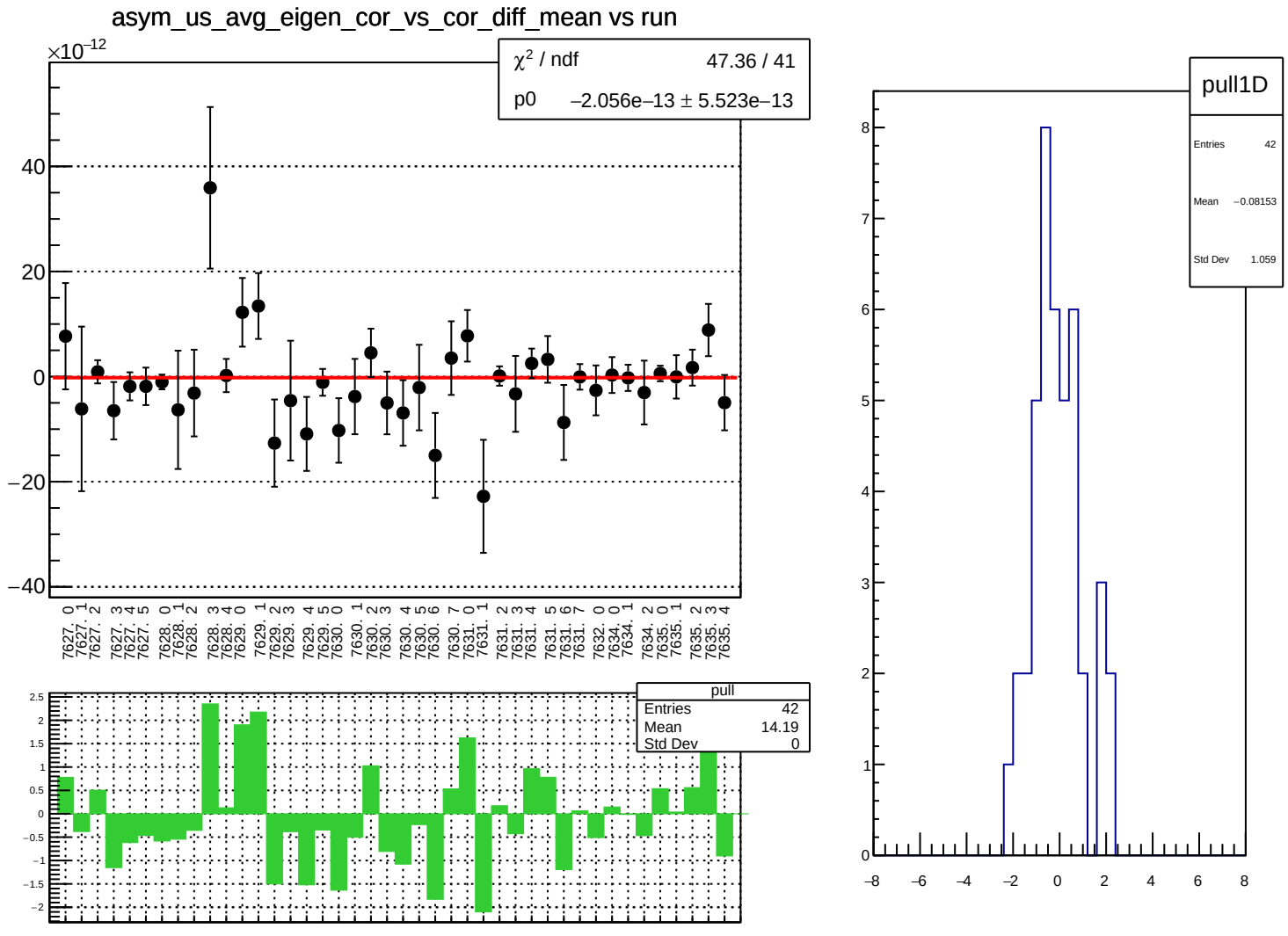

pull1D
Entries 42
Mean 0.08302
Std Dev 1.117

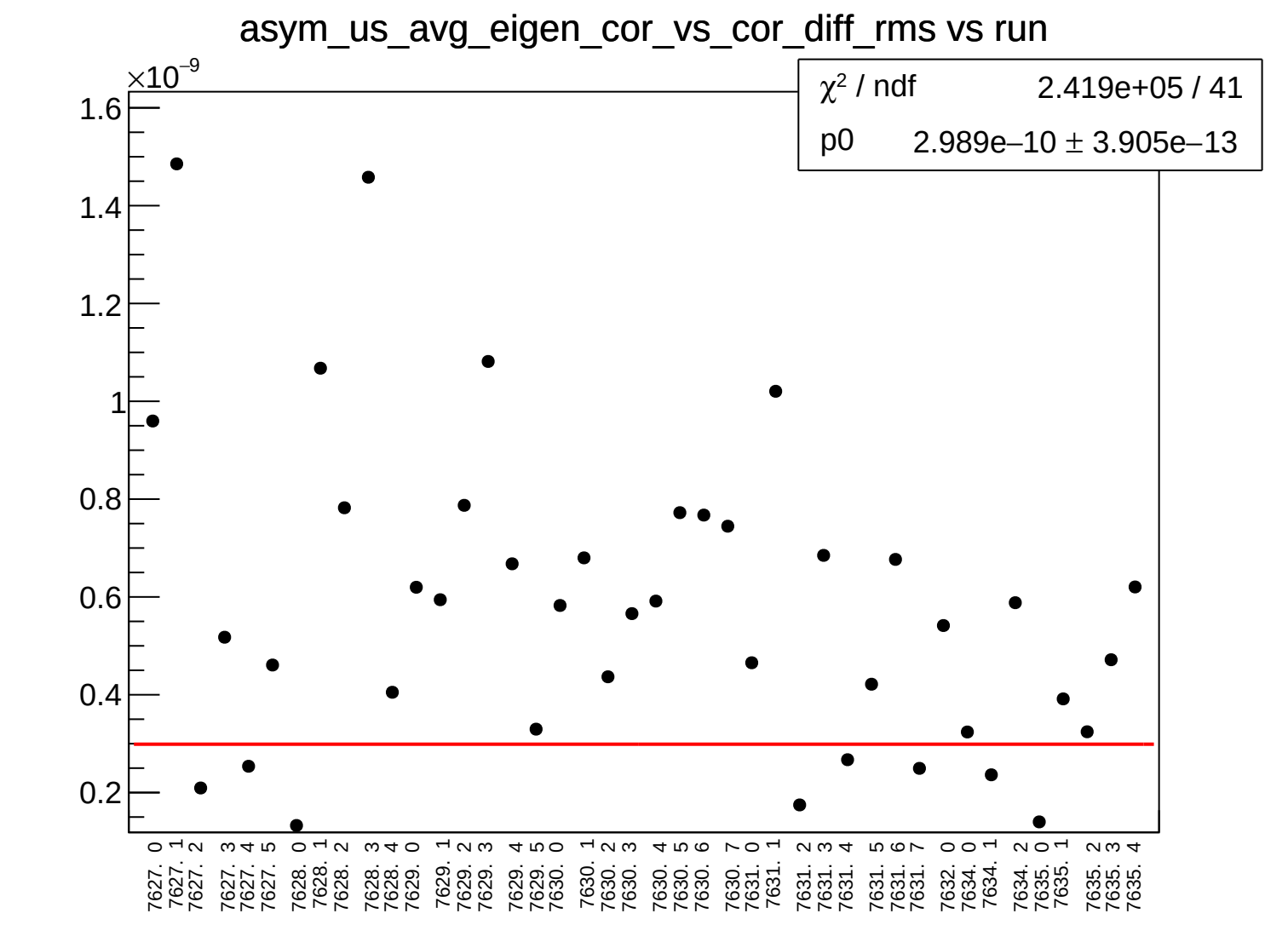

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.646e+04 / 41
p0 68.51 ± 0.07801
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

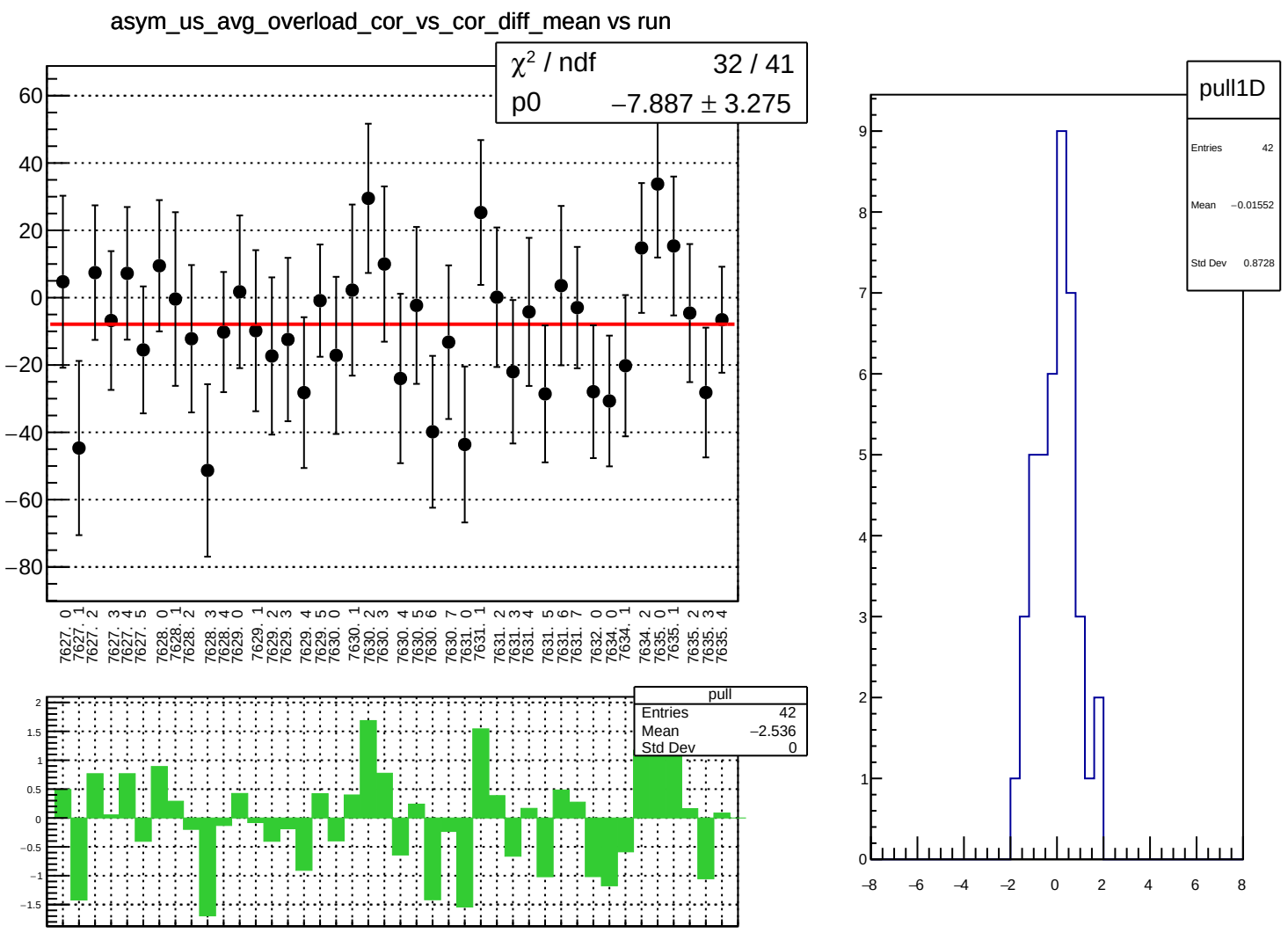

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 32.59 / 41
p0 8.184 ± 3.324
pull
Entries 42
Mean 0.9628
Std Dev 0

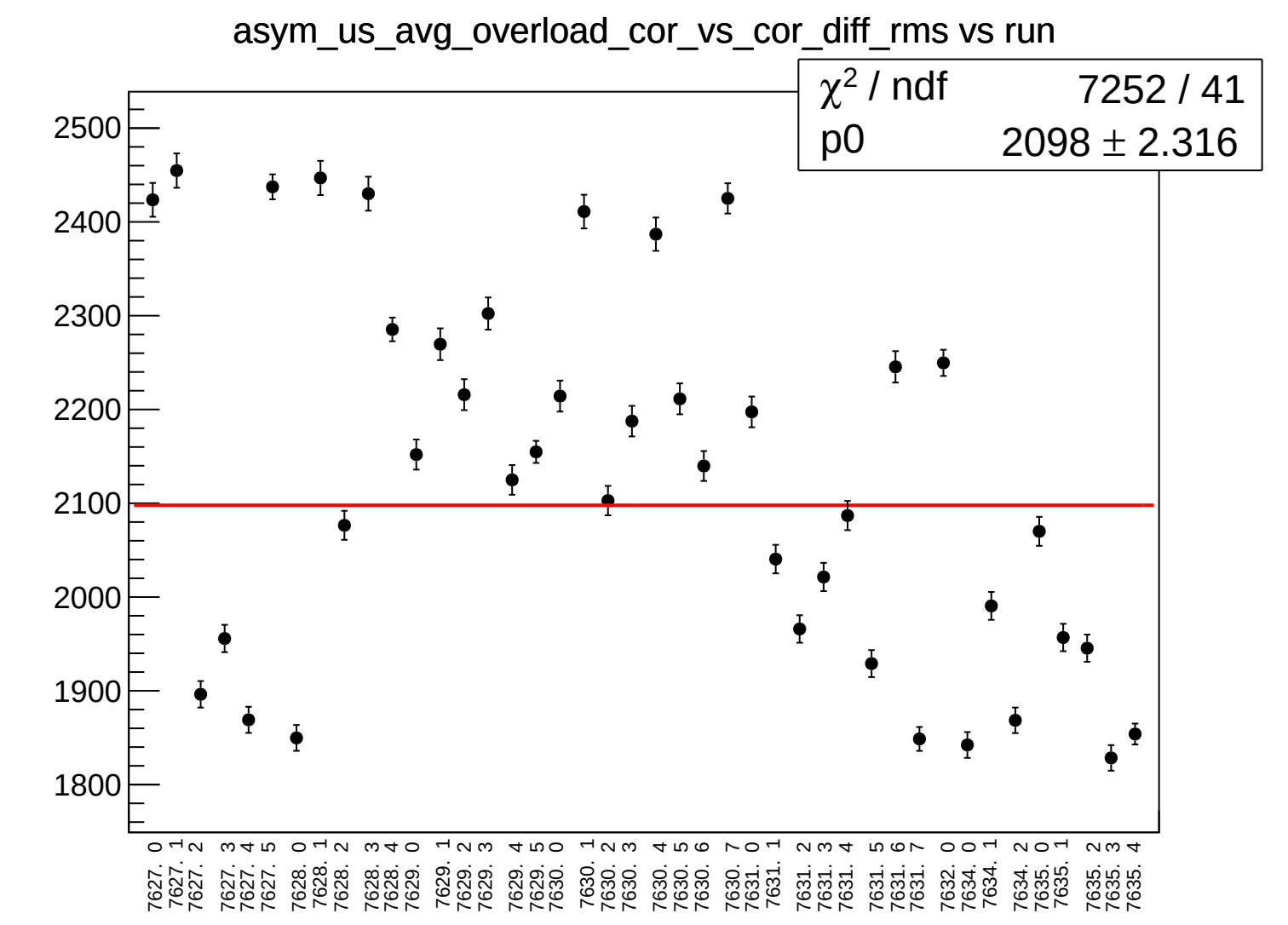

pull1D
Entries 42
Mean 0.01674
Std Dev 0.8807

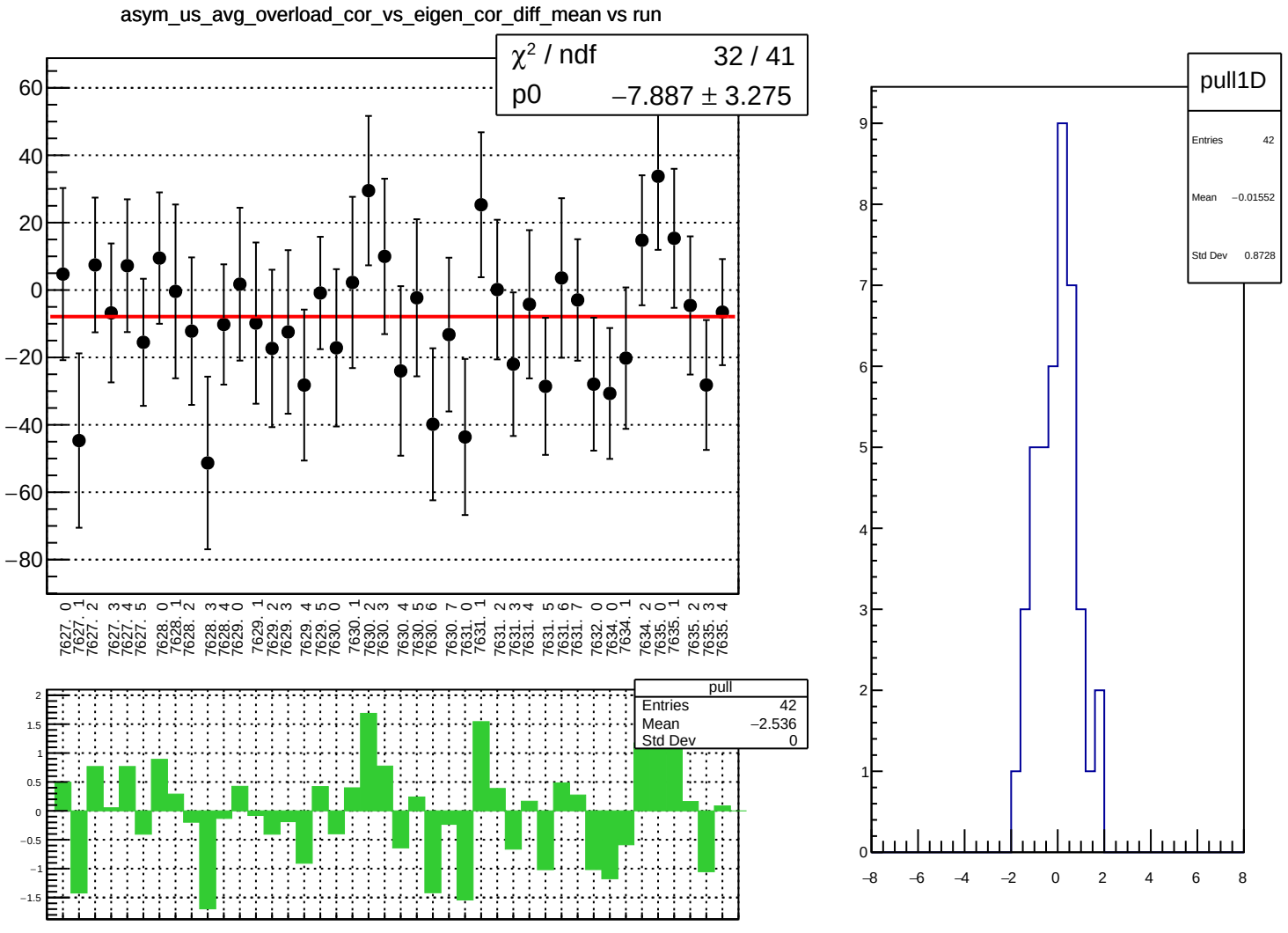

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 8159 / 41
p0 2128 ± 2.351
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

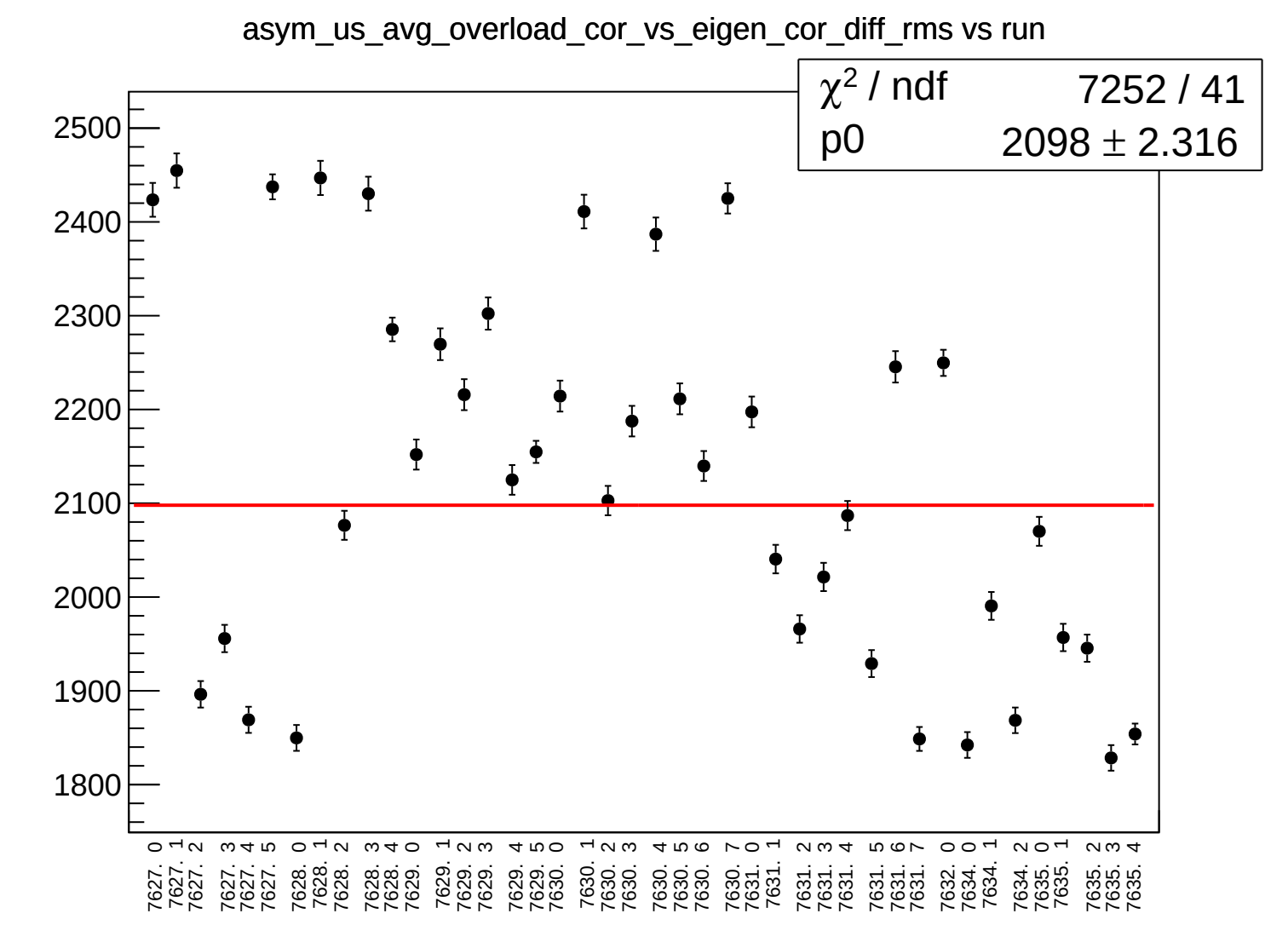

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.36 / 41
p0 −2.056e−13 ± 5.523e−13
40
20
0
−20
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 14.19
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.08153
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

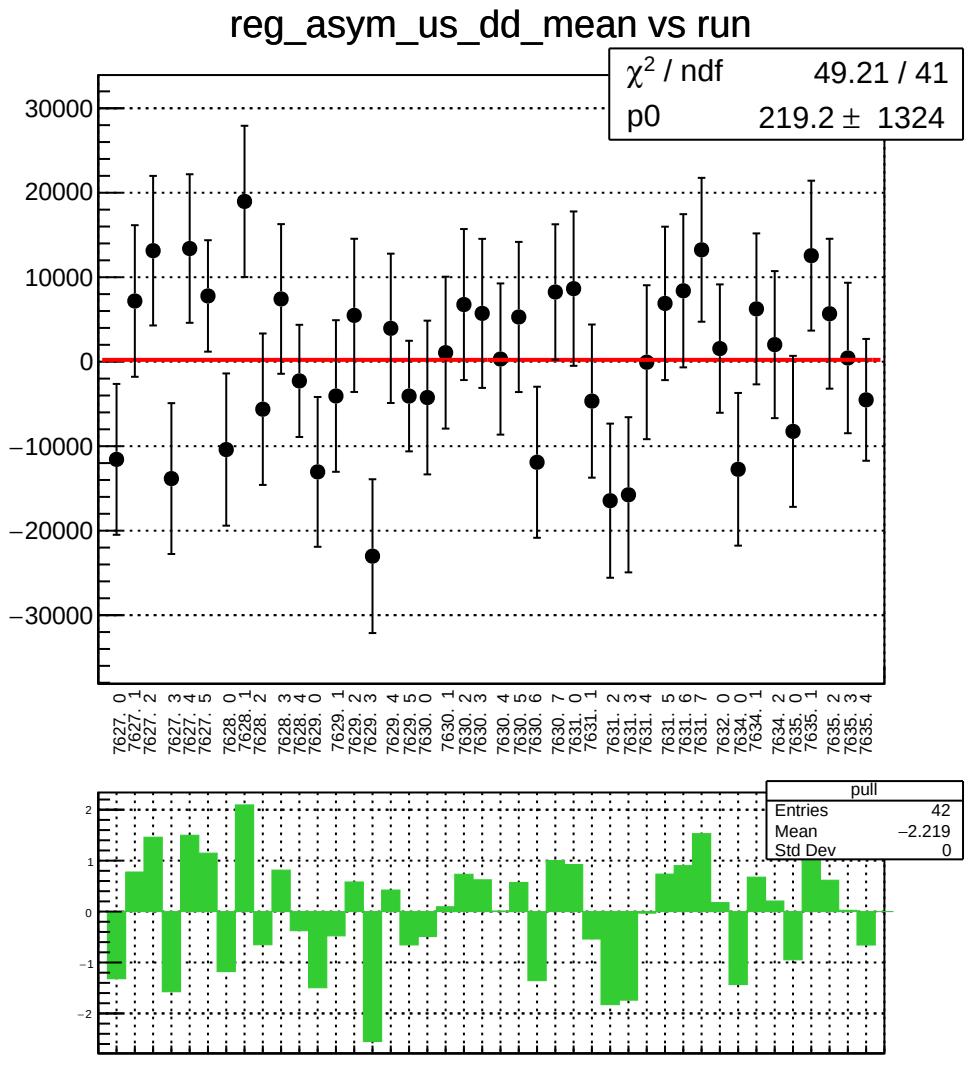

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.419e+05 / 41
p0 2.989e−10 ± 3.905e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

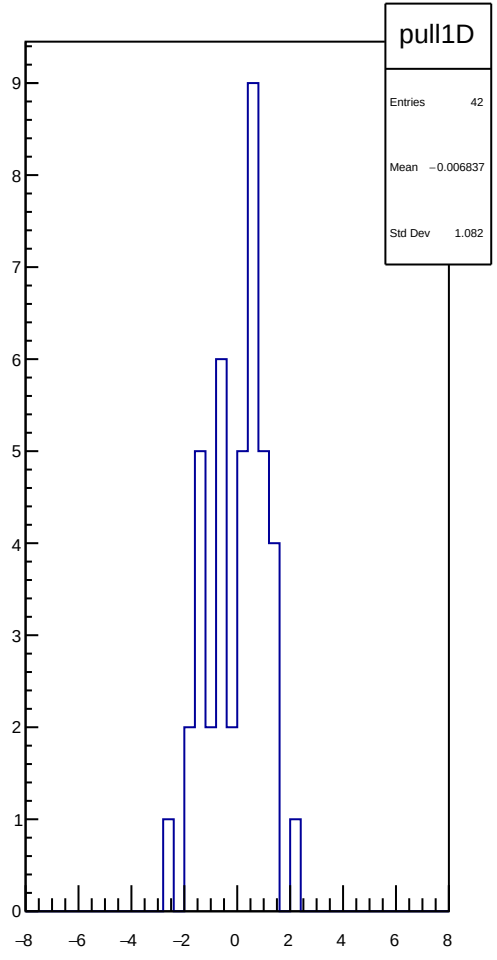

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 32 / 41
p0 −7.887 ± 3.275
pull
Entries 42
Mean −2.536
Std Dev 0
pull1D
Entries 42
Mean −0.01552
Std Dev 0.8728

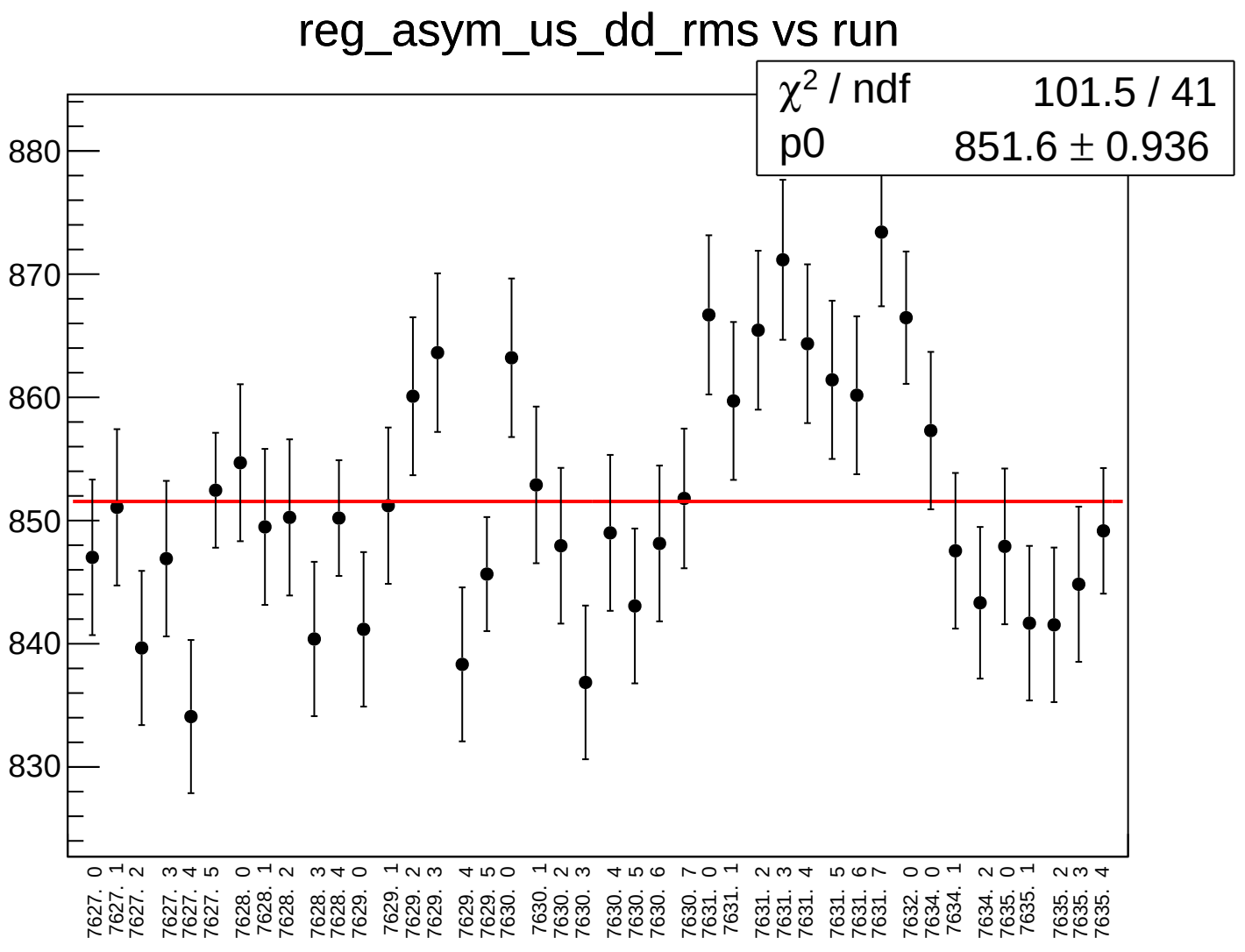

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 7252 / 41
p0 2098 ± 2.316
2500
2400
2300
2200
2100
2000
1900
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

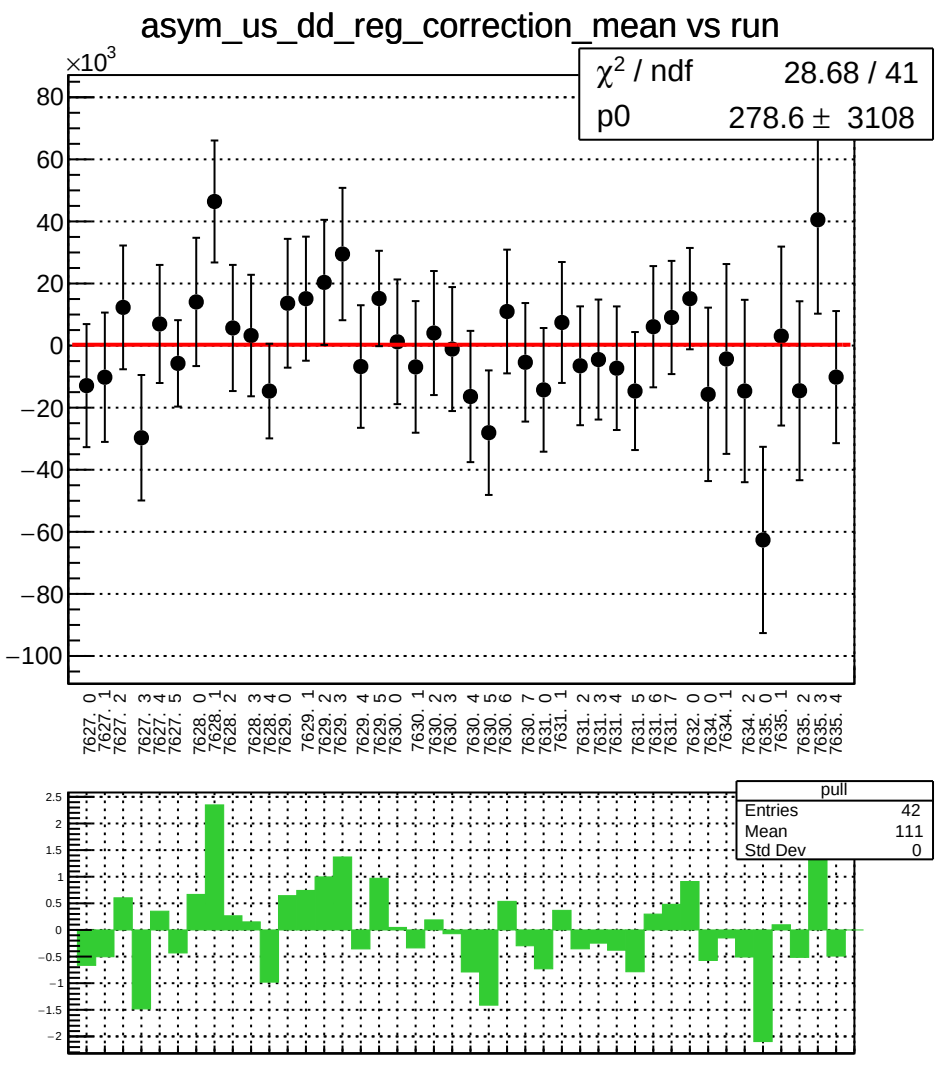

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 32 / 41
p0 −7.887 ± 3.275
pull
Entries 42
Mean −2.536
Std Dev 0
pull1D
Entries 42
Mean −0.01552
Std Dev 0.8728

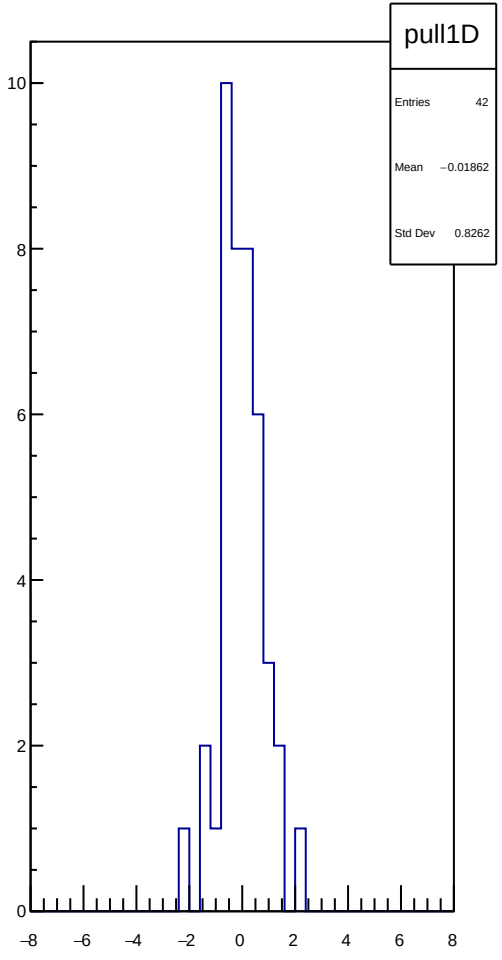

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7252 / 41
p0 2098 ± 2.316
2500
2400
2300
2200
2100
2000
1900
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

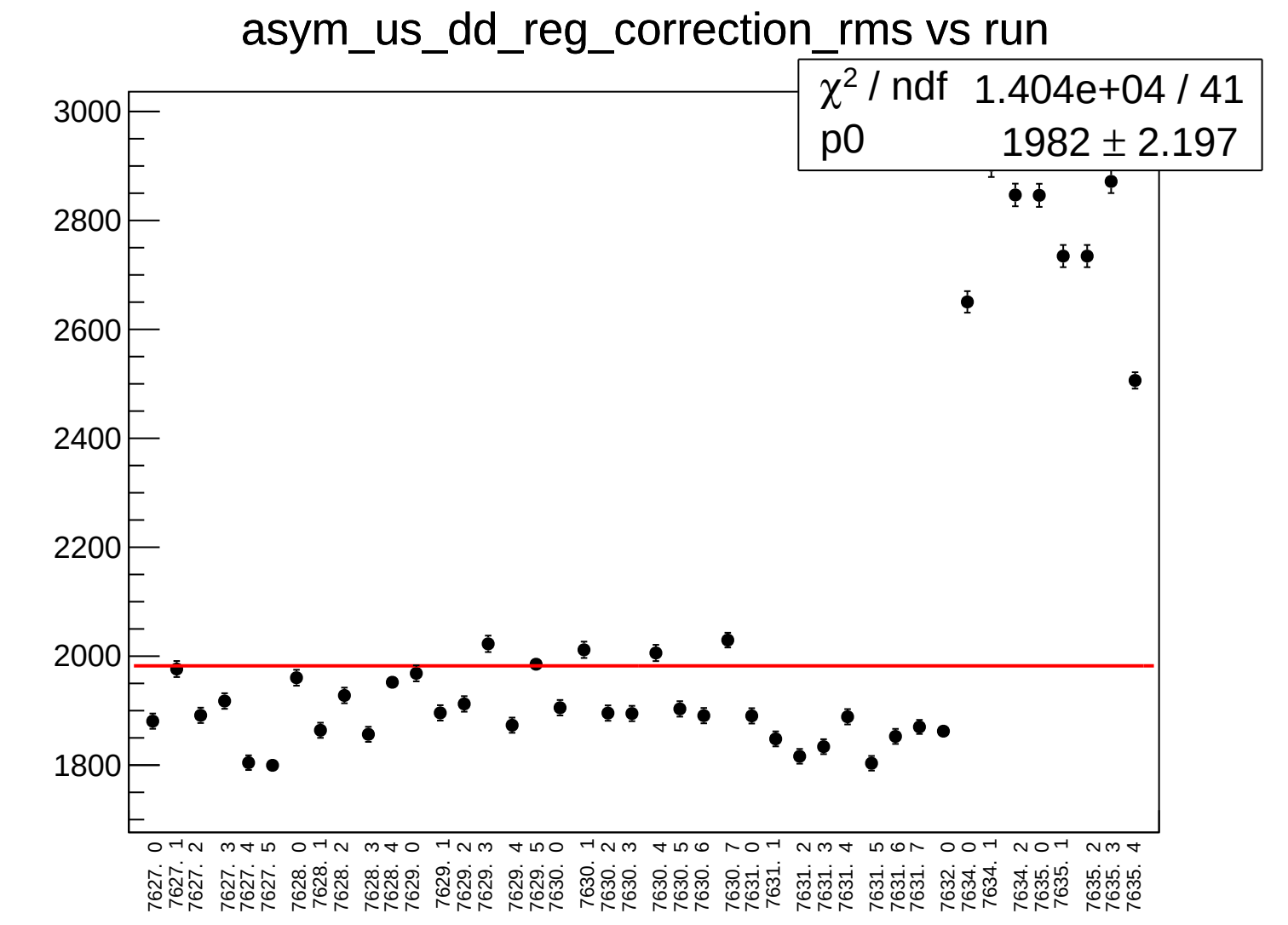

reg_asym_us_dd_mean vs run
χ² / ndf 49.21 / 41
p0 219.2 ± 1324
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.219
Std Dev 0
2
1
0
−1
−2

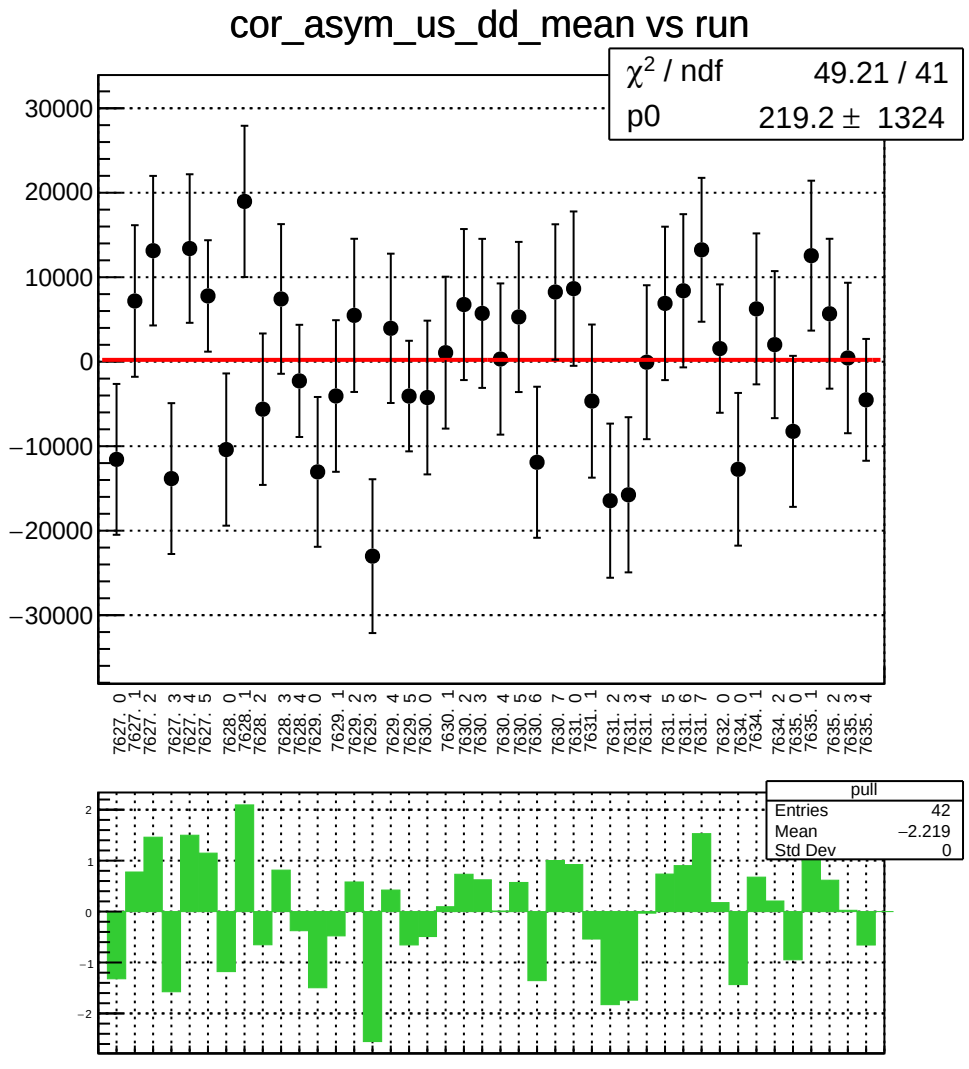

pull1D
Entries 42
Mean −0.006837
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

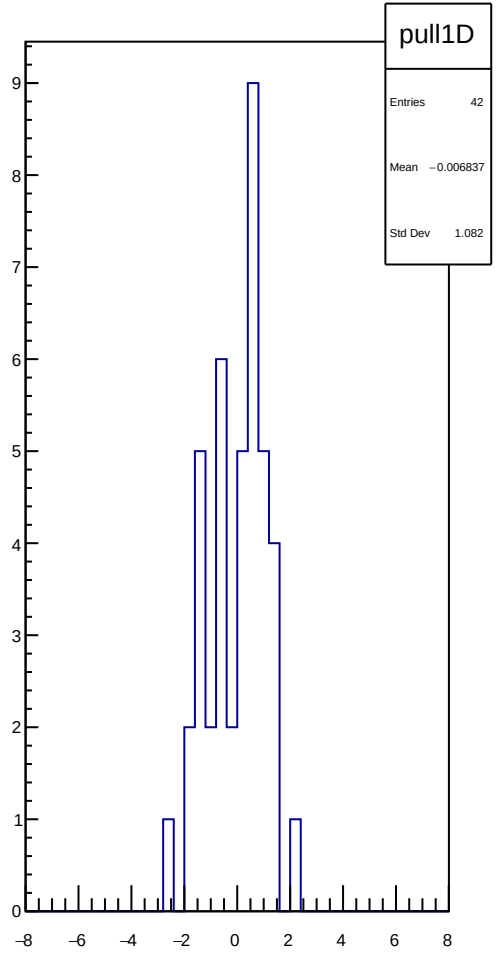

reg_asym_us_dd_rms vs run
χ^2 / ndf 101.5 / 41
p0 851.6 ± 0.936
880
870
860
850
840
830
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

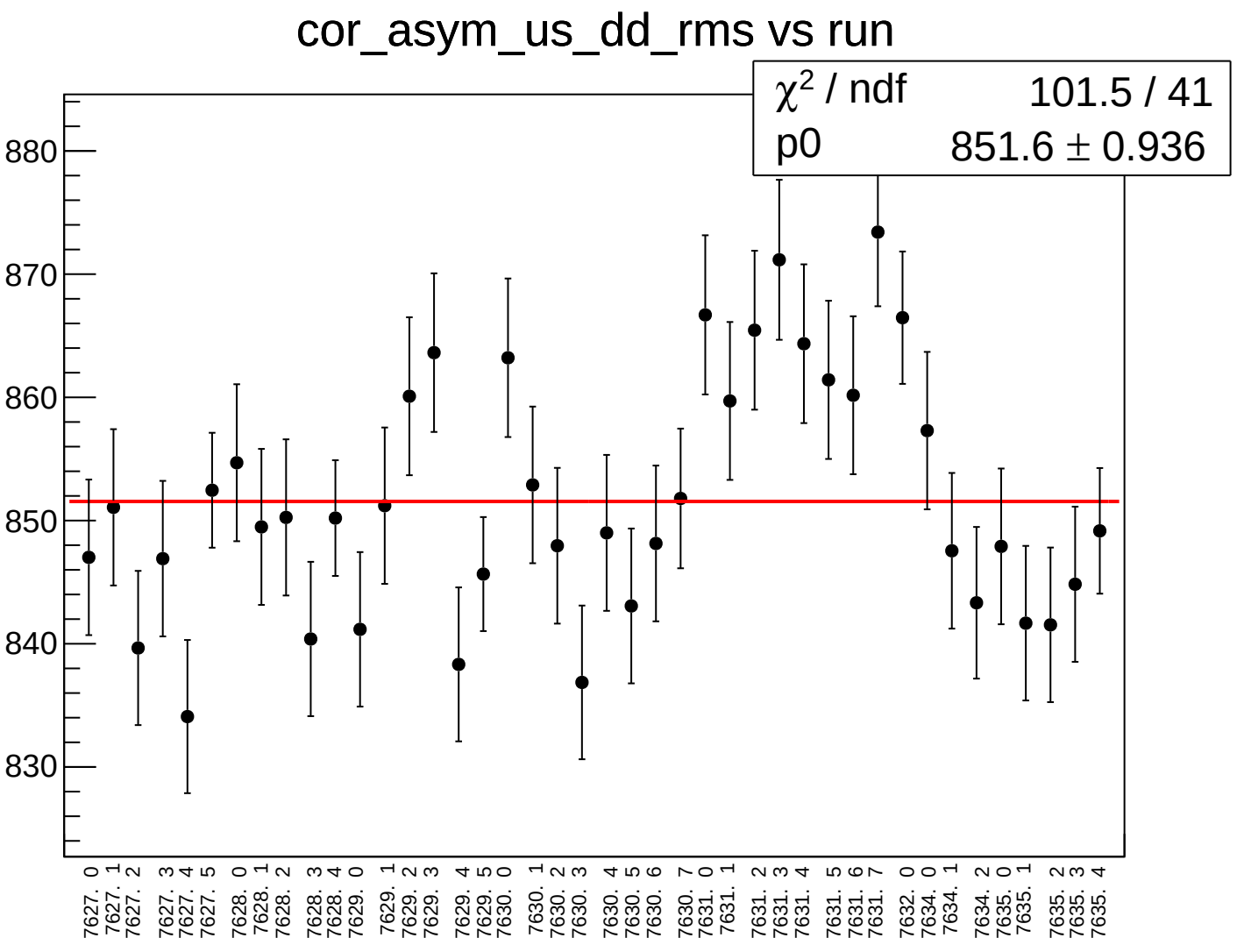

asym_us_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.68 / 41
p0 278.6 ± 3108
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 111
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

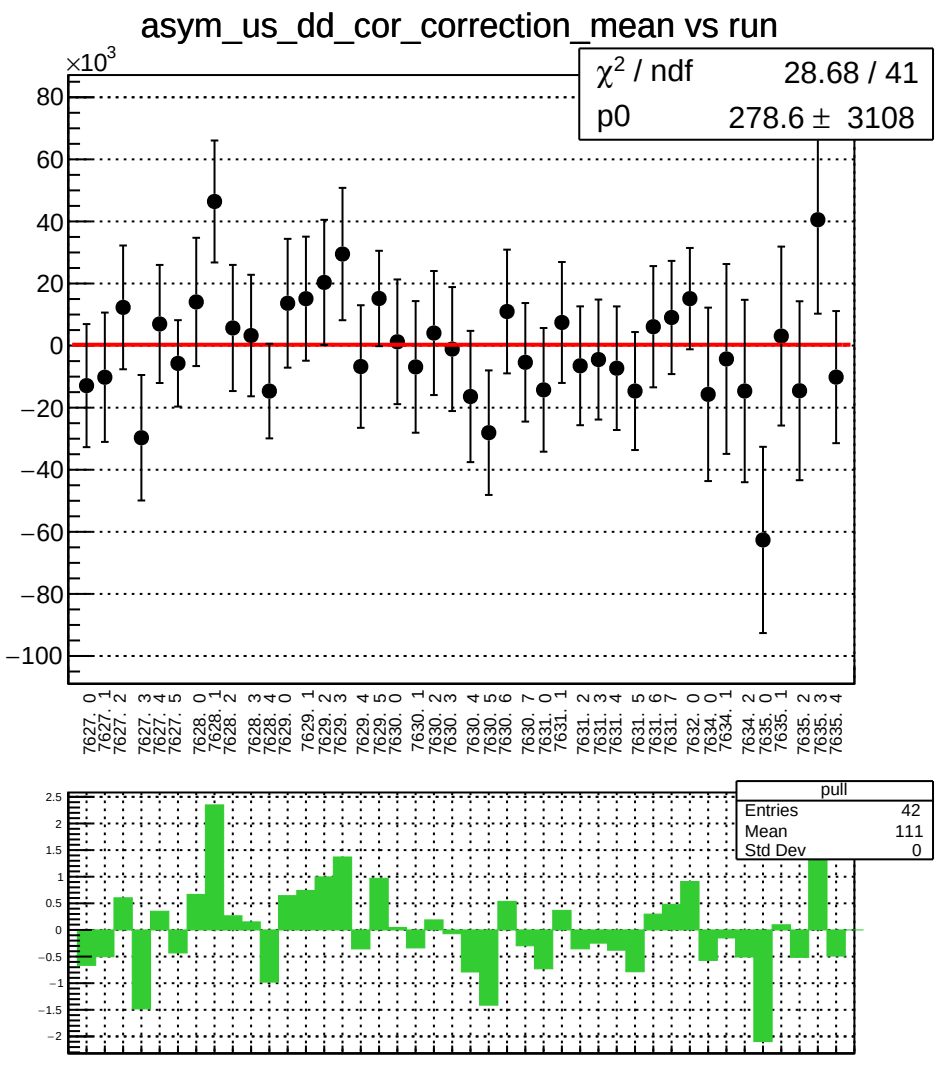

pull1D
Entries 42
Mean −0.01862
Std Dev 0.8262
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

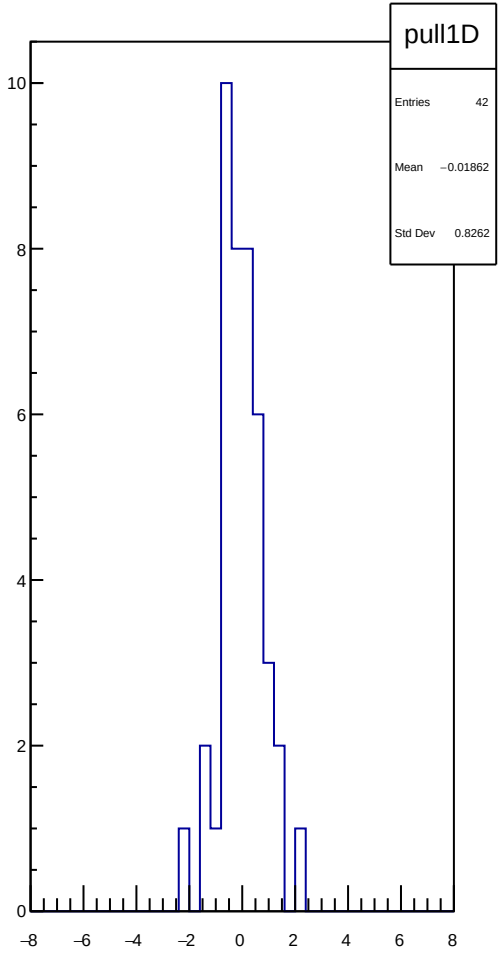

asym_us_dd_reg_correction_rms vs run
χ² / ndf 1.404e+04 / 41
p0 1982 ± 2.197
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

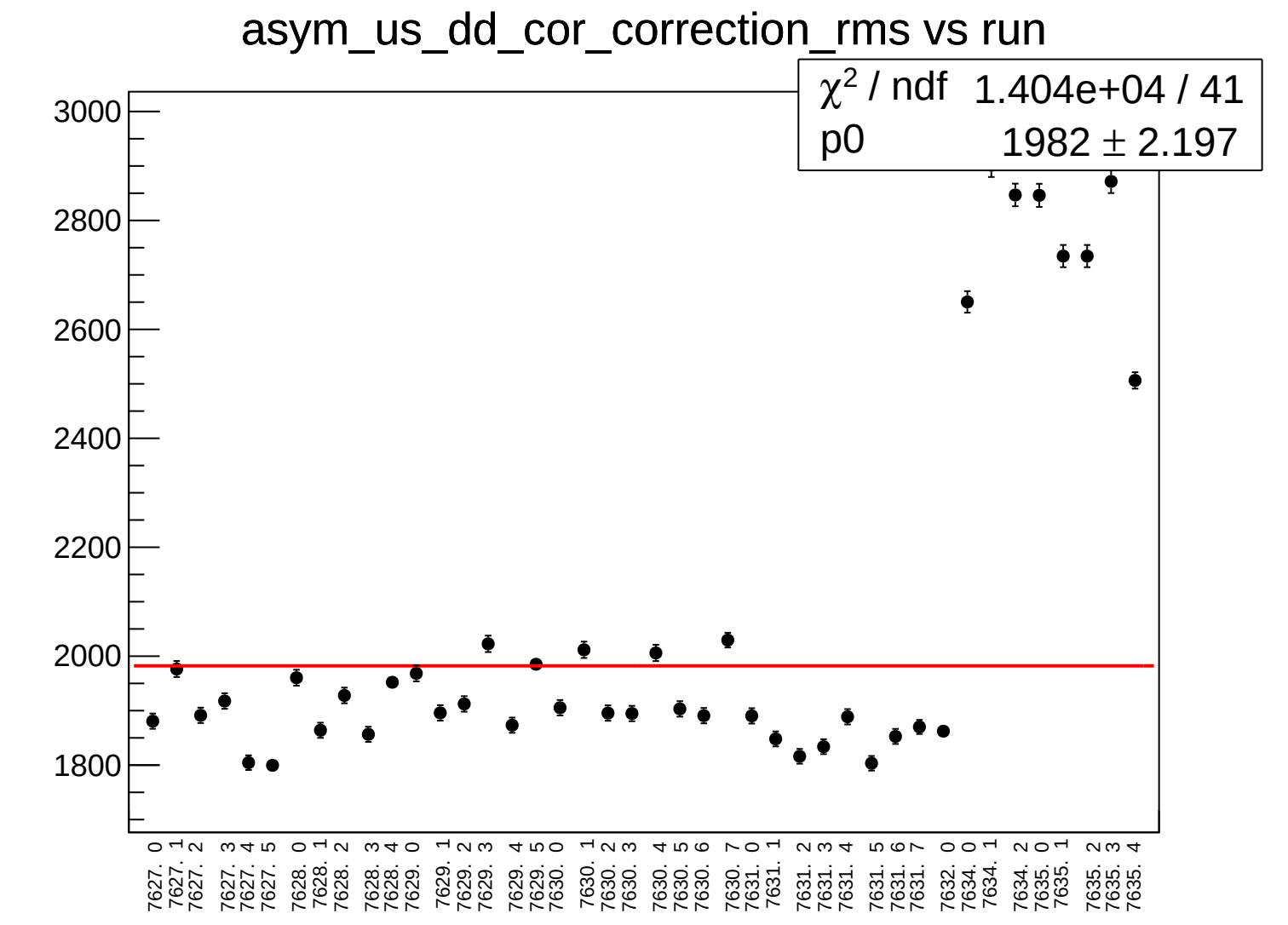

cor_asym_us_dd_mean vs run
χ² / ndf 49.21 / 41
p0 219.2 ± 1324
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.219
Std Dev 0
2
1
0
−1
−2

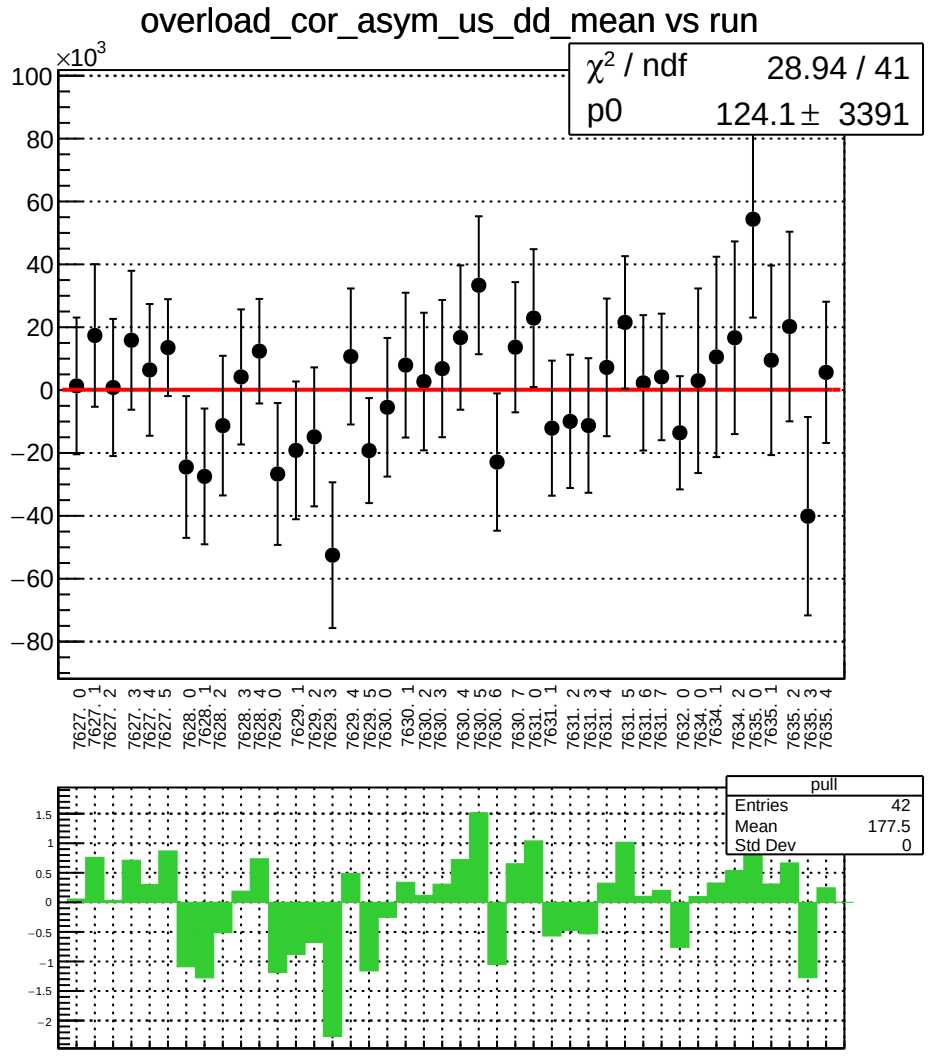

pull1D
Entries 42
Mean −0.006837
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

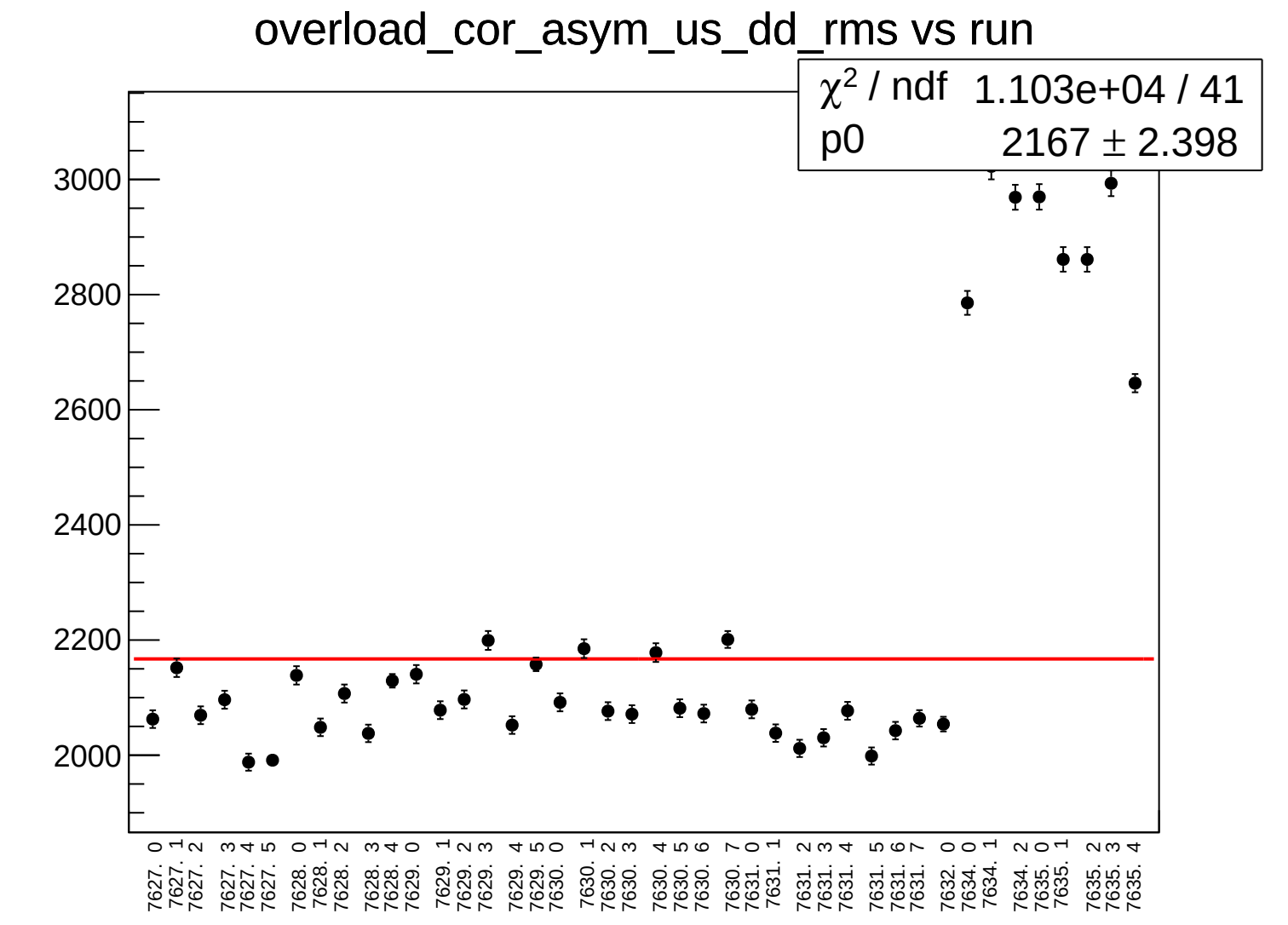

cor_asym_us_dd_rms vs run
χ^2 / ndf 101.5 / 41
p0 851.6 ± 0.936
880
870
860
850
840
830
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

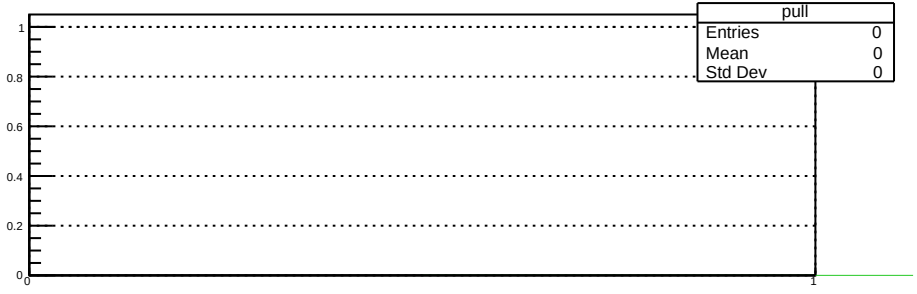

asym_us_dd_cor_correction_mean vs run
×10^3
χ² / ndf 28.68 / 41
p0 278.6 ± 3108
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 111
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

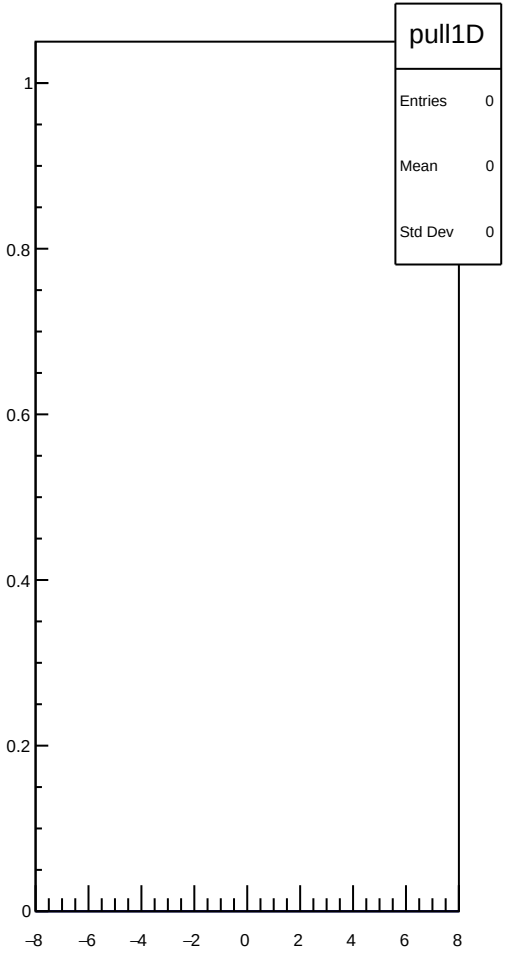

pull1D
Entries 42
Mean −0.01862
Std Dev 0.8262
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

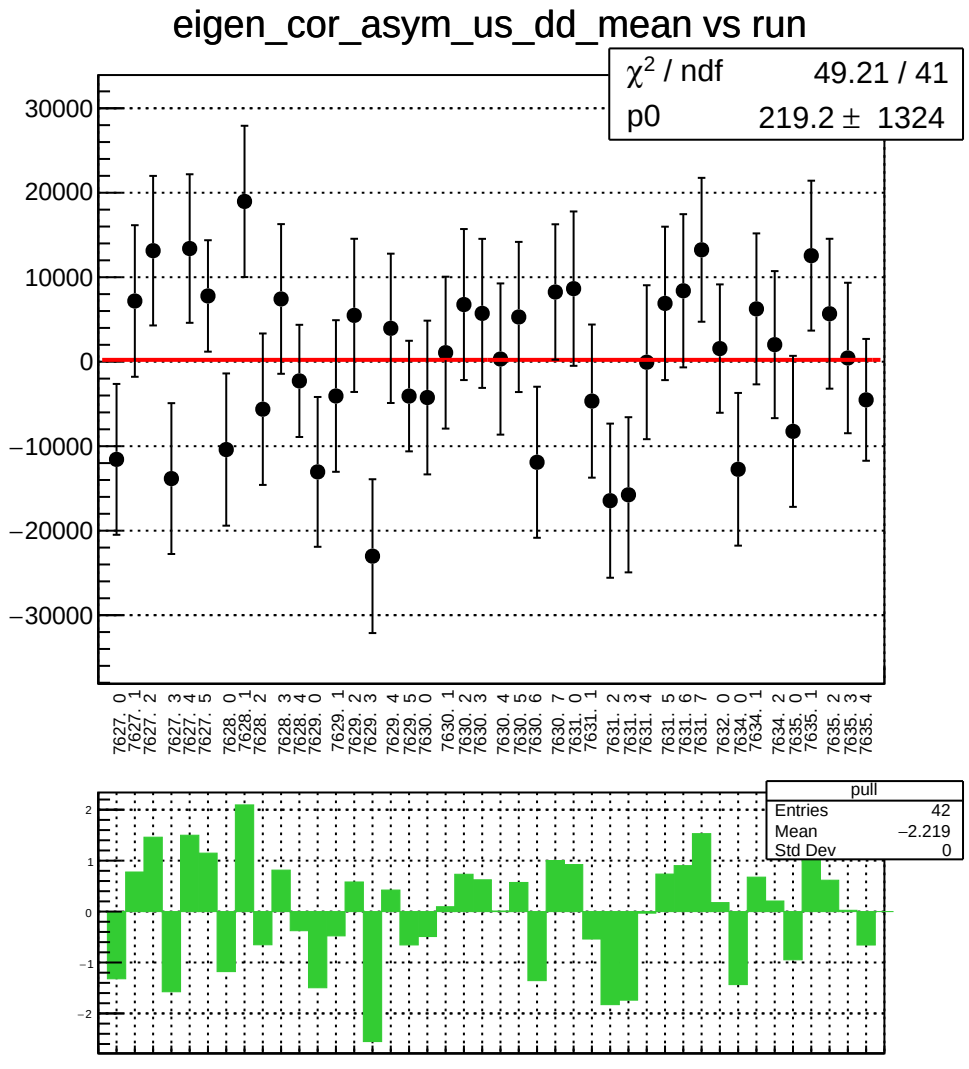

asym_us_dd_cor_correction_rms vs run
χ² / ndf 1.404e+04 / 41
p0 1982 ± 2.197
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

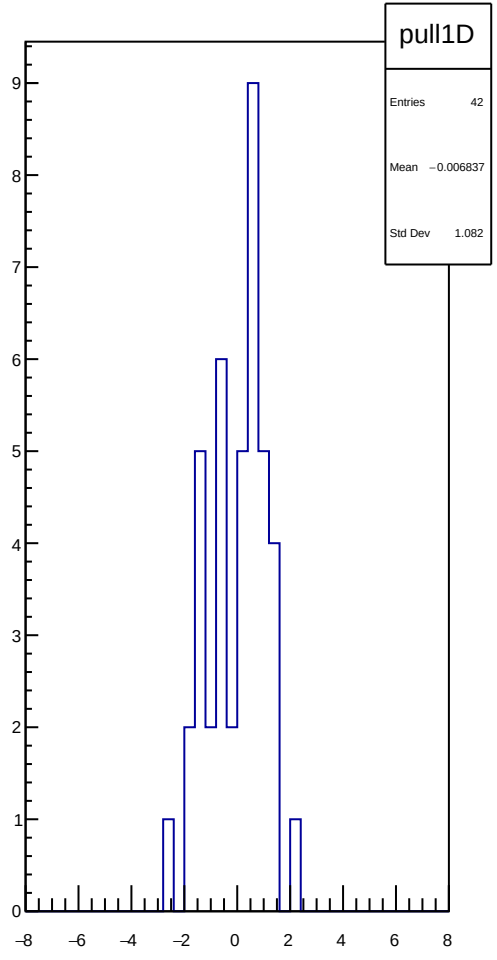

overload_cor_asym_us_dd_mean vs run
×10^3
χ² / ndf 28.94 / 41
p0 124.1 ± 3391
pull
Entries 42
Mean 177.5
Std Dev 0
pull1D
Entries 42
Mean 0.01018
Std Dev 0.8301

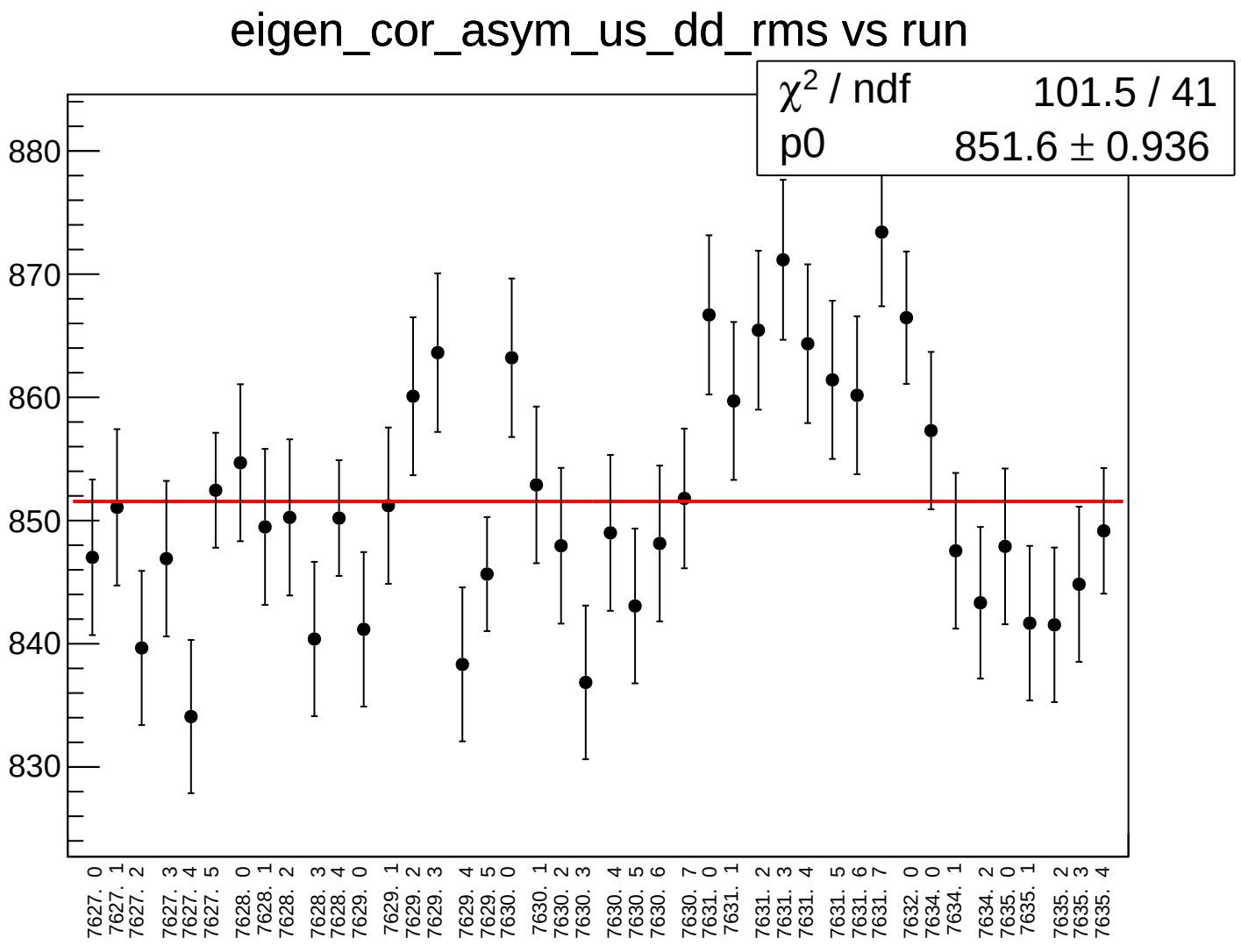

overload_cor_asym_us_dd_rms vs run
χ² / ndf 1.103e+04 / 41
p0 2167 ± 2.398
3000
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


eigen_cor_asym_us_dd_mean vs run
χ² / ndf 49.21 / 41
p0 219.2 ± 1324
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.219
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean −0.006837
Std Dev 1.082
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
χ^2 / ndf 101.5 / 41
p0 851.6 ± 0.936
880
870
860
850
840
830
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
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7630. 2
7630. 3
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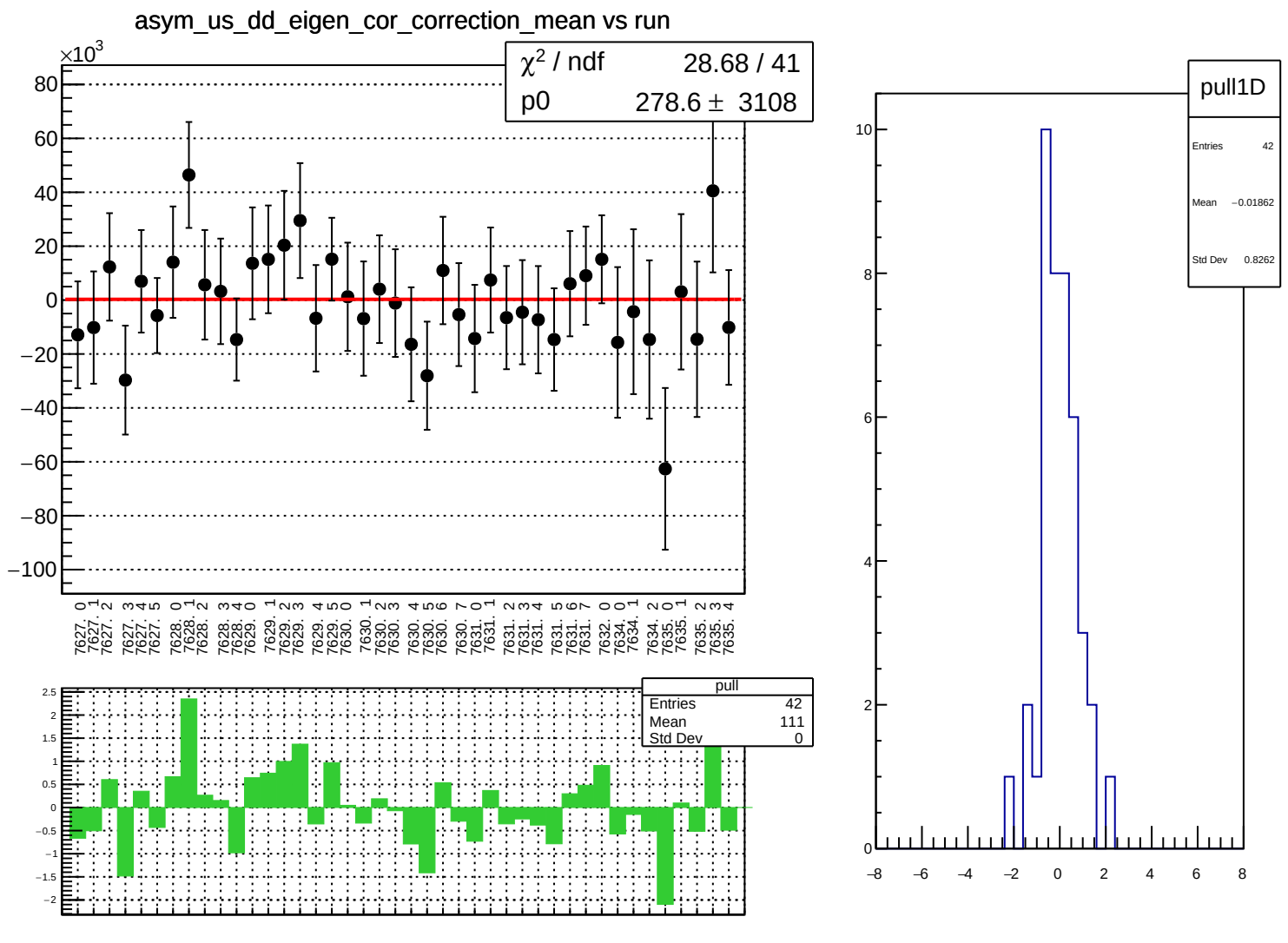
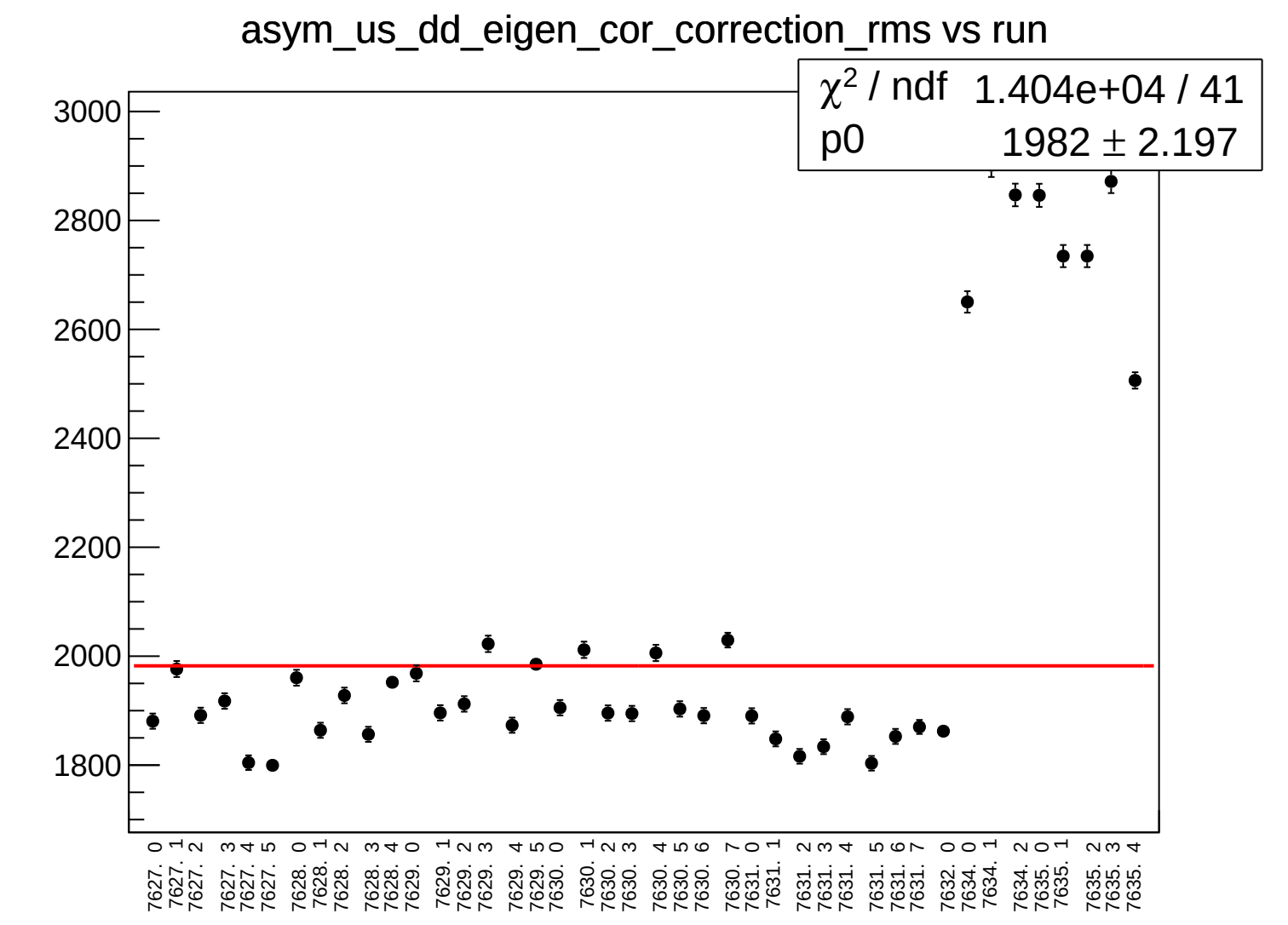
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.68 / 41
p0 278.6 ± 3108
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 111
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01862
Std Dev 0.8262
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.404e+04 / 41
p0 1982 ± 2.197
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 2
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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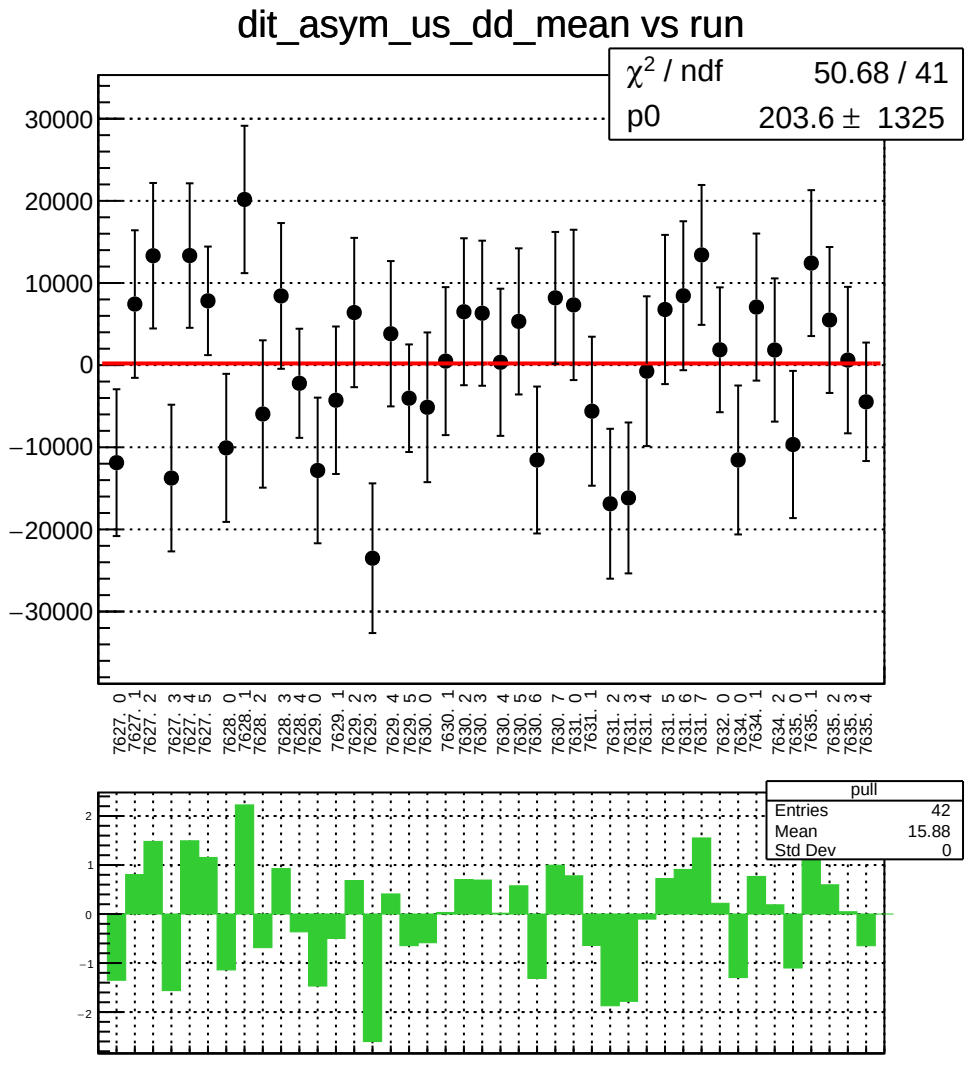
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_us_dd_mean vs run
χ² / ndf 50.68 / 41
p0 203.6 ± 1325
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
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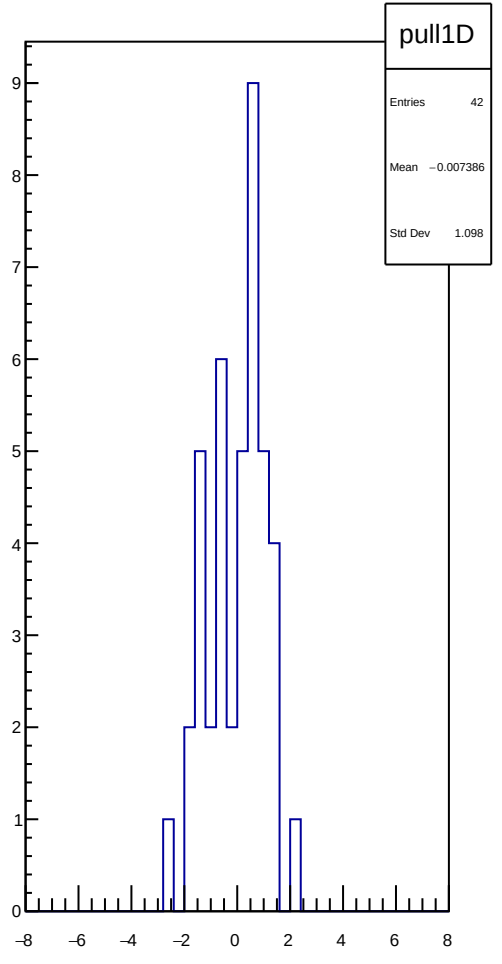
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.88
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean −0.007386
Std Dev 1.098
9
8
7
6
5
4
3
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0
−8
−6
−4
−2
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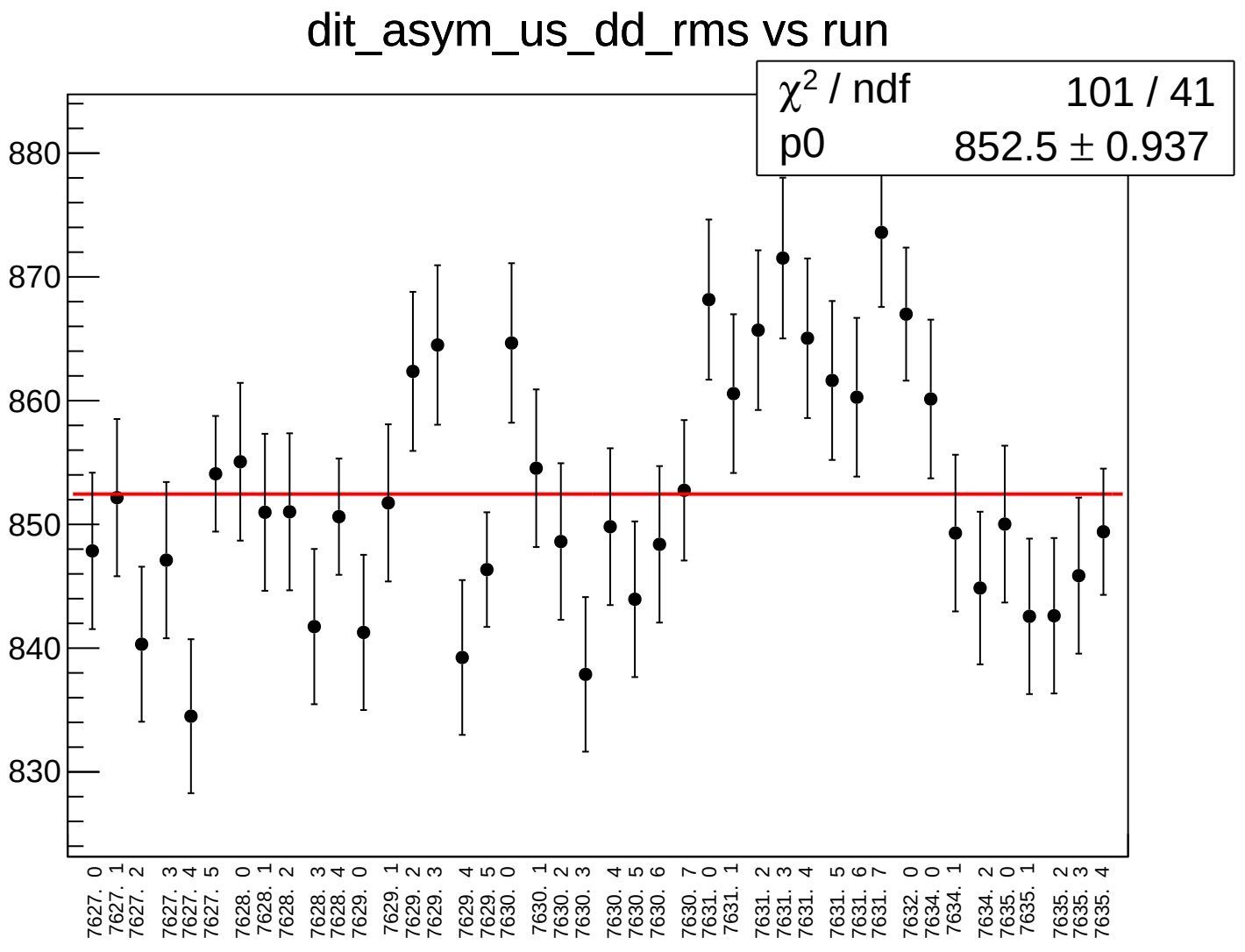
2
4
6
8


dit_asym_us_dd_rms vs run
χ² / ndf 101 / 41
p0 852.5 ± 0.937
880
870
860
850
840
830
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
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7631. 1
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7631. 6
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7634. 0
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7634. 2
7635. 0
7635. 1
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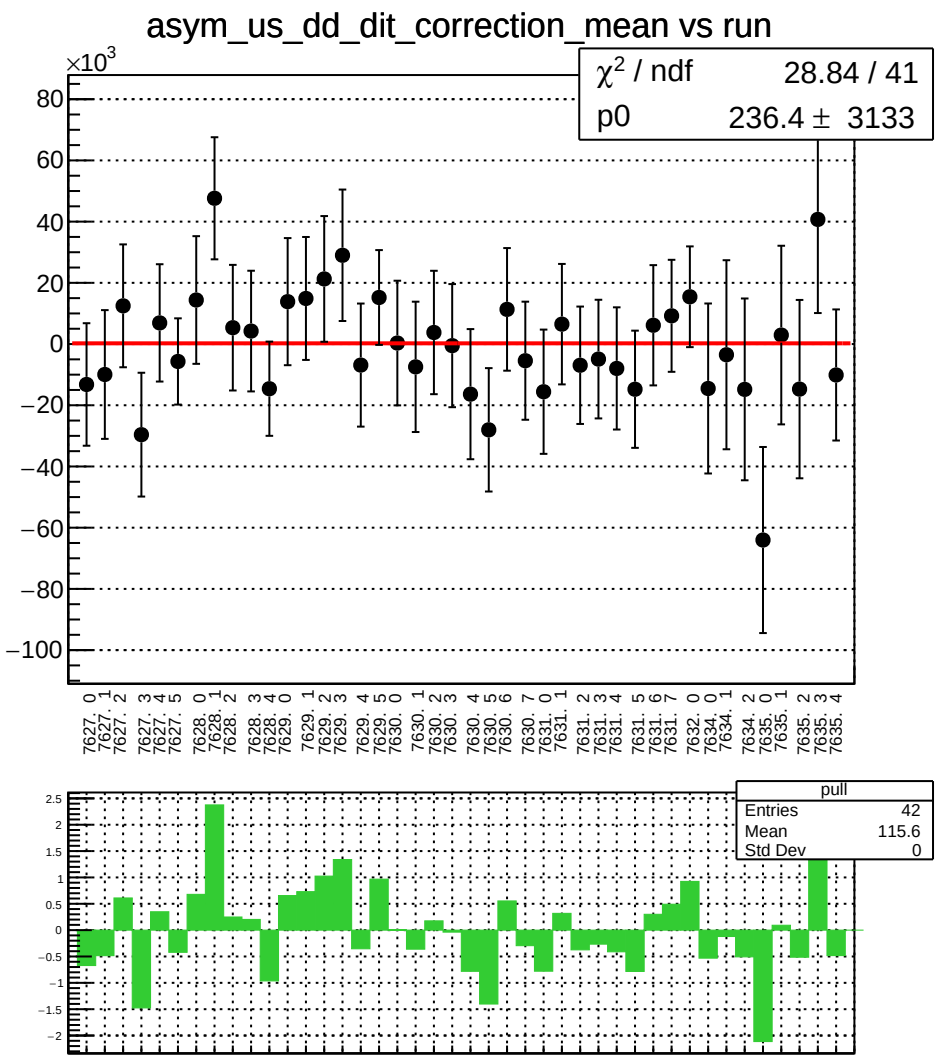
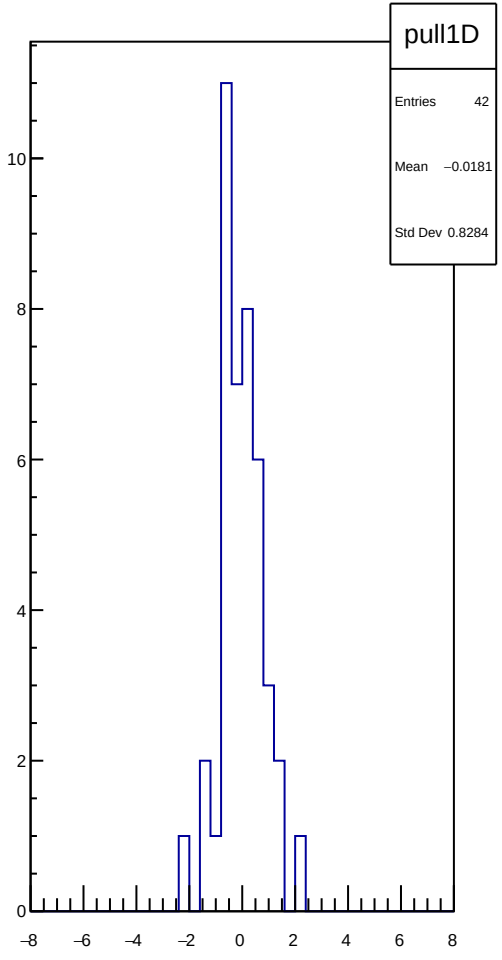
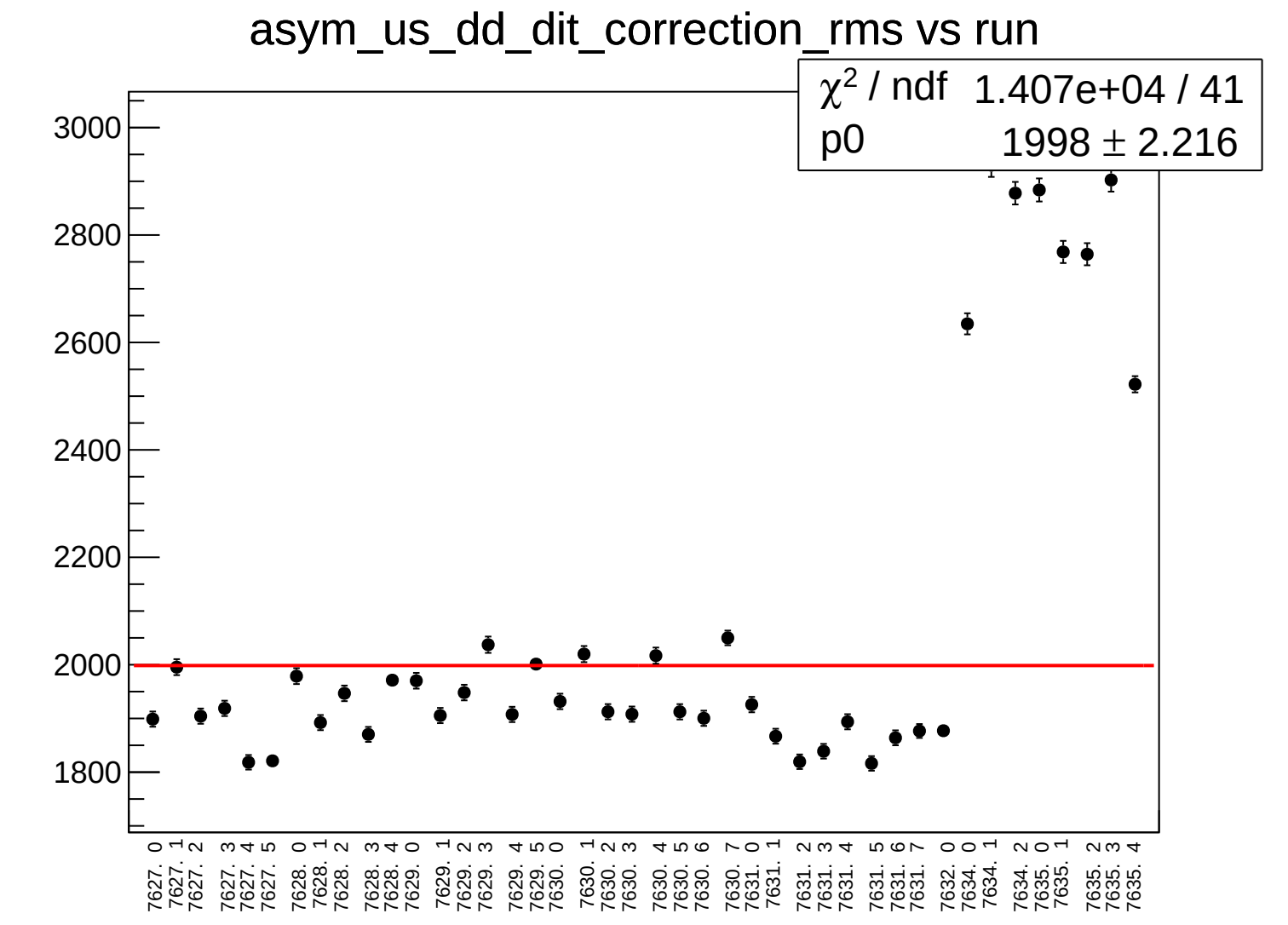
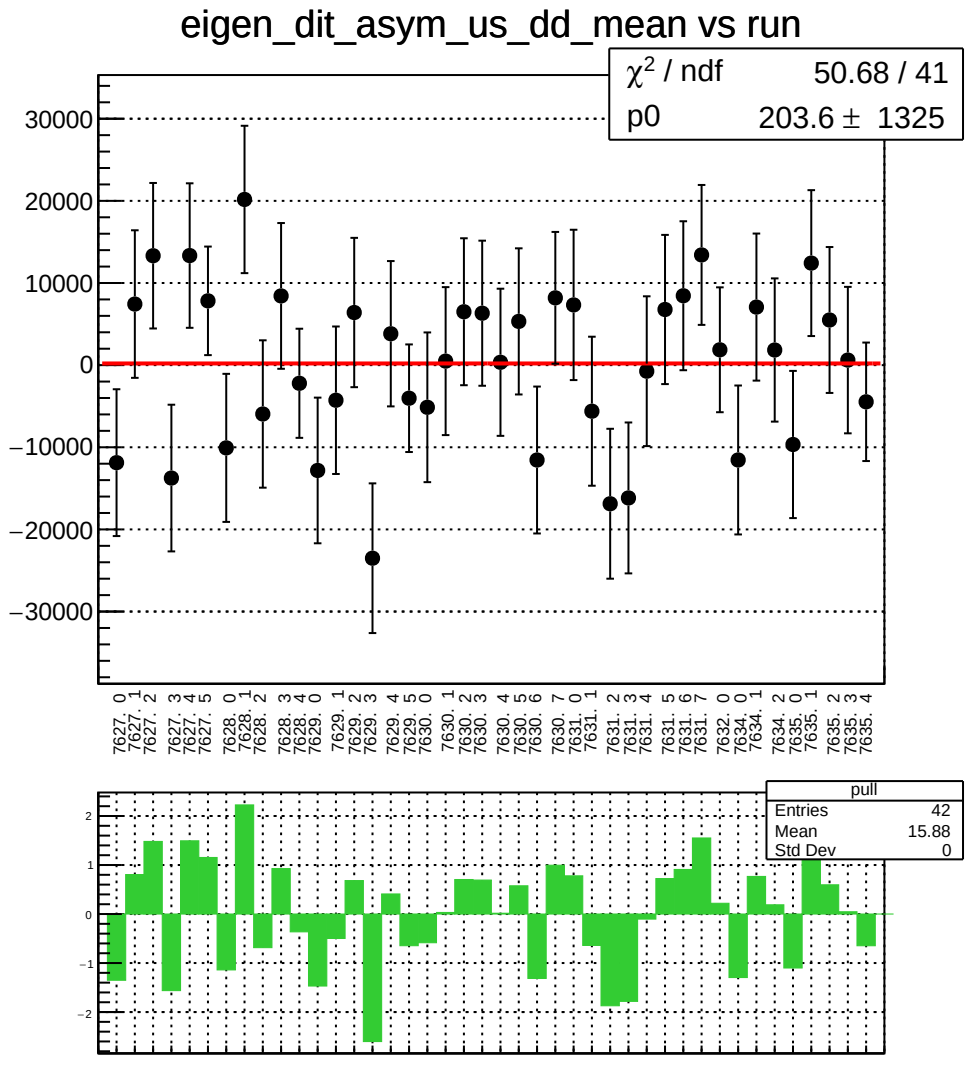
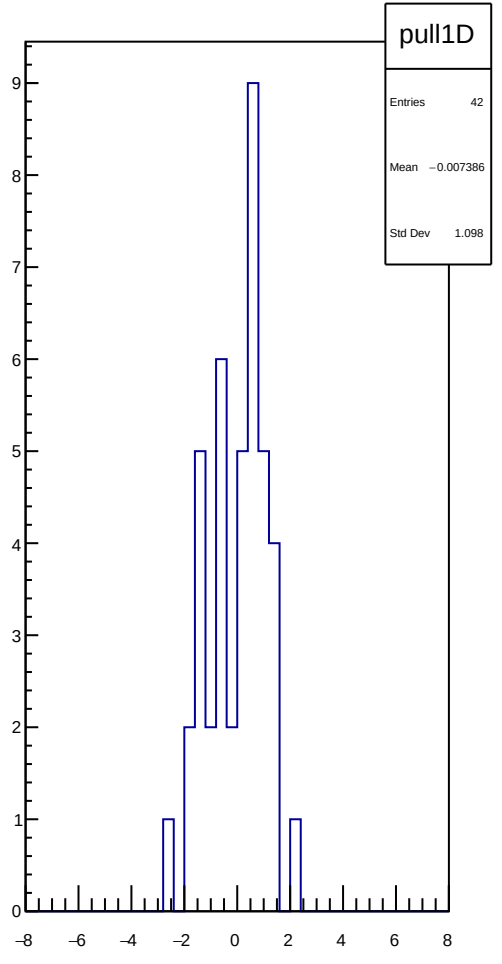
7635. 3
7635. 4

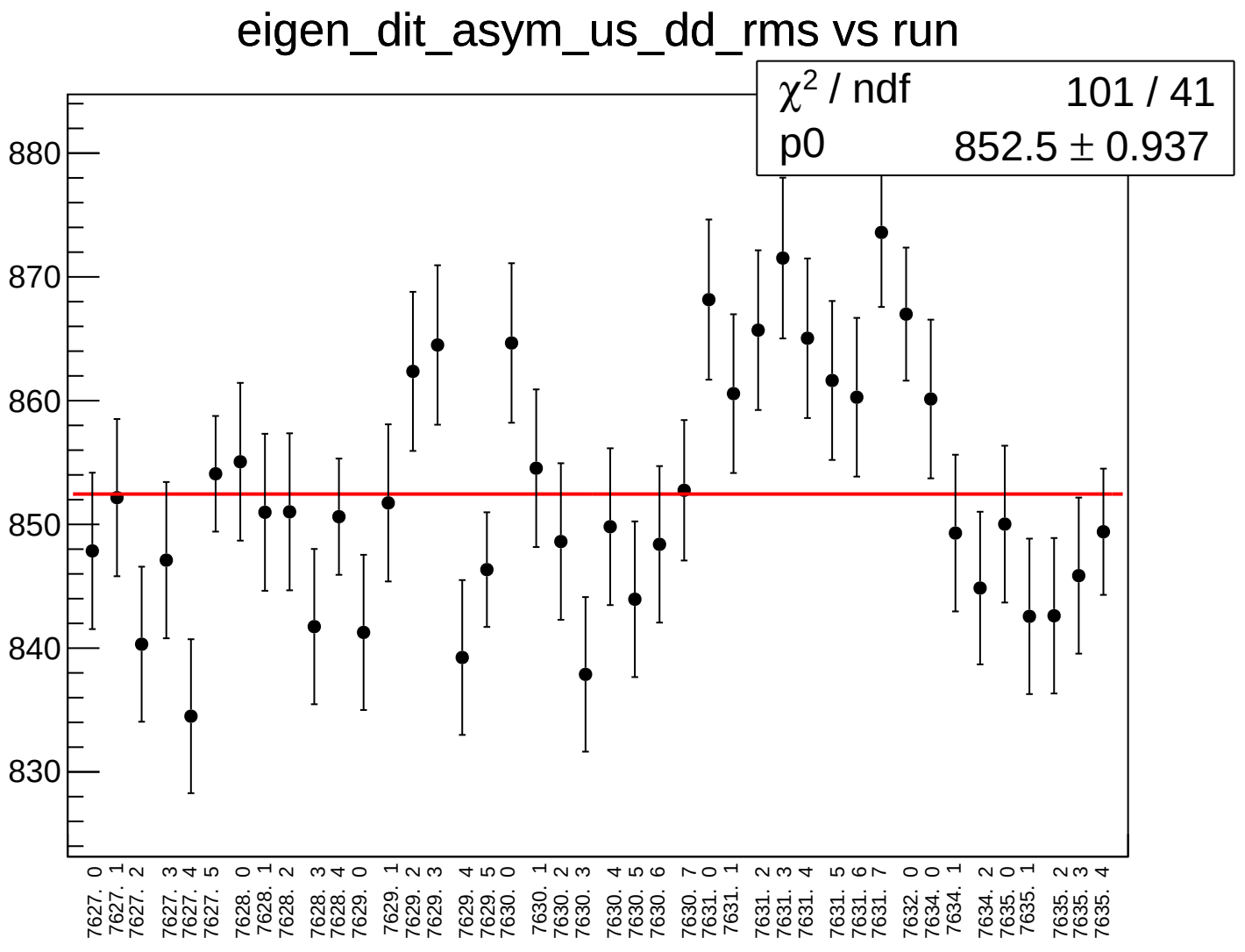

asym_us_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.84 / 41
p0 236.4 ± 3133
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 115.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

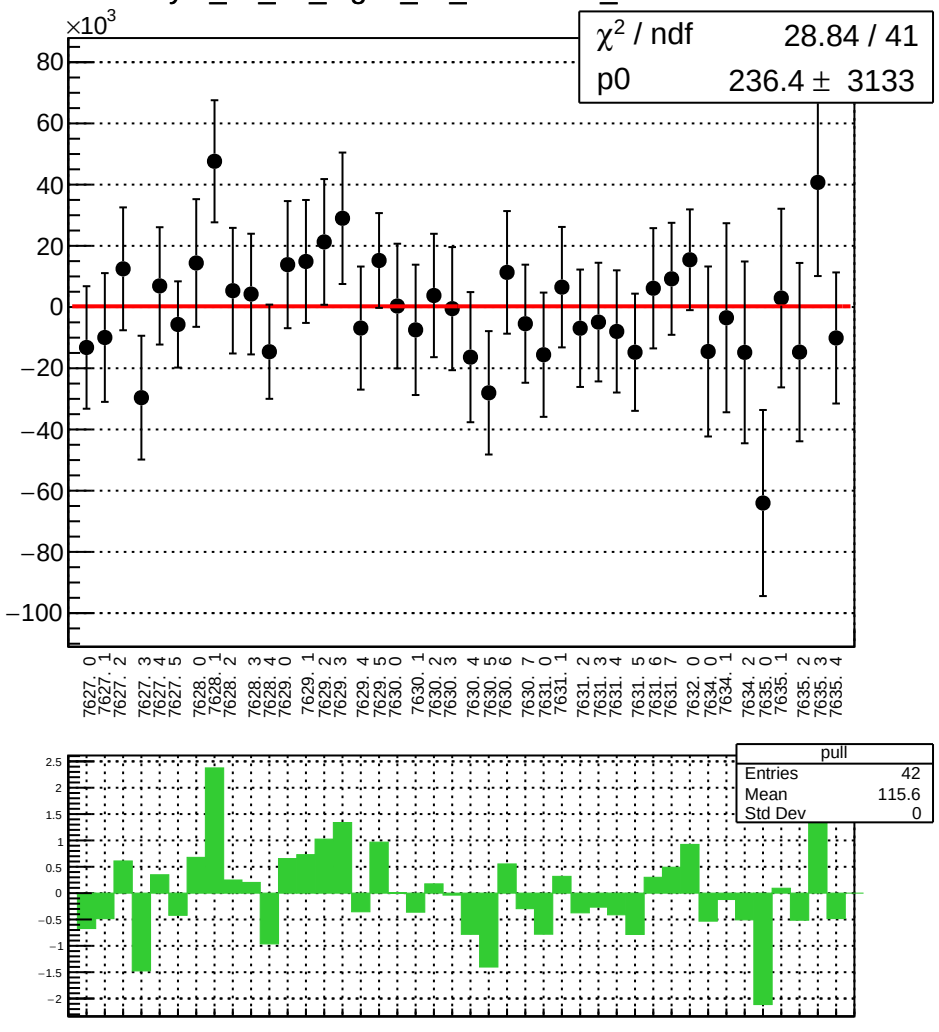

pull1D
Entries 42
Mean −0.0181
Std Dev 0.8284
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

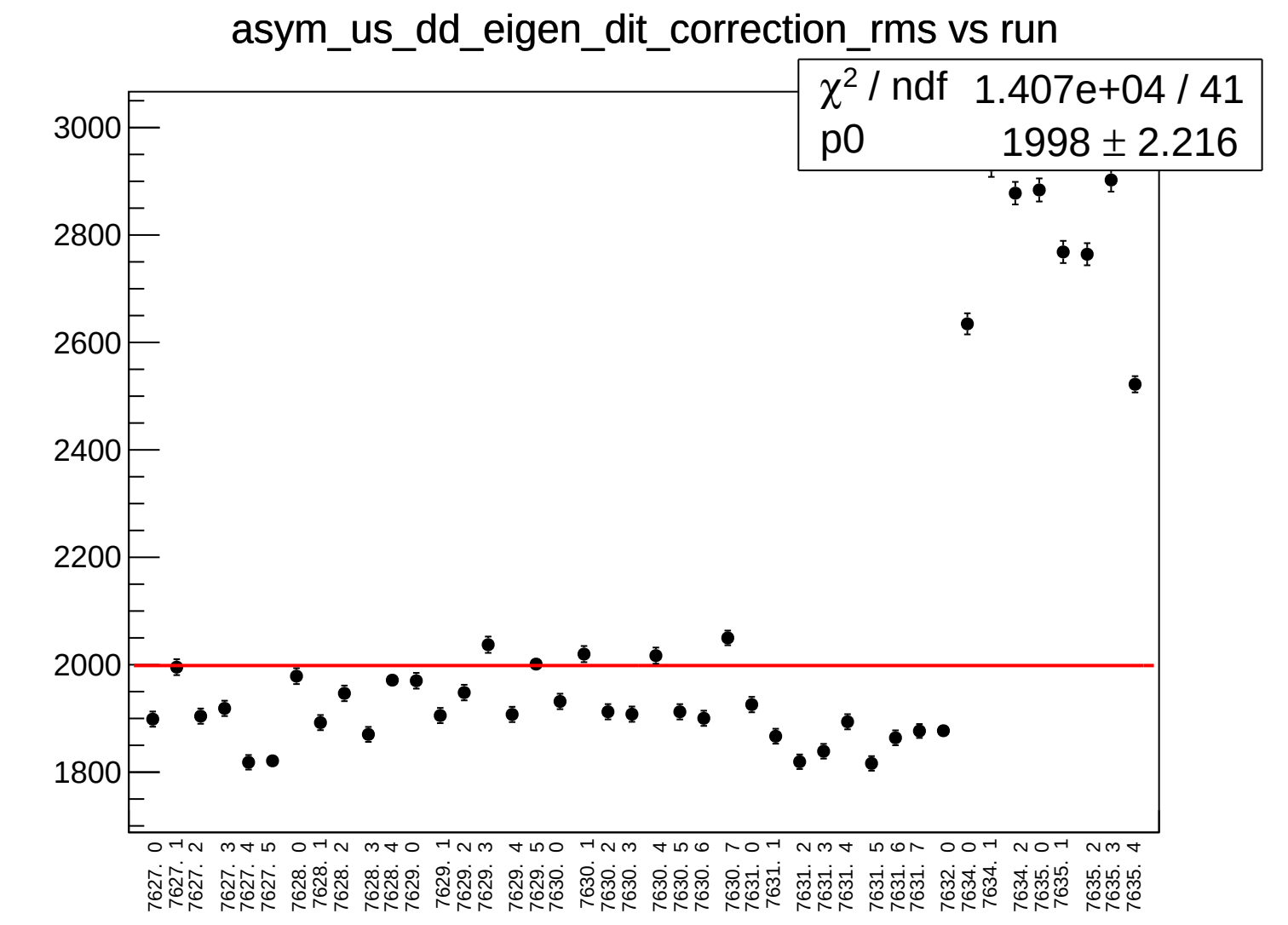

asym_us_dd_dit_correction_rms vs run
χ² / ndf 1.407e+04 / 41
p0 1998 ± 2.216
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

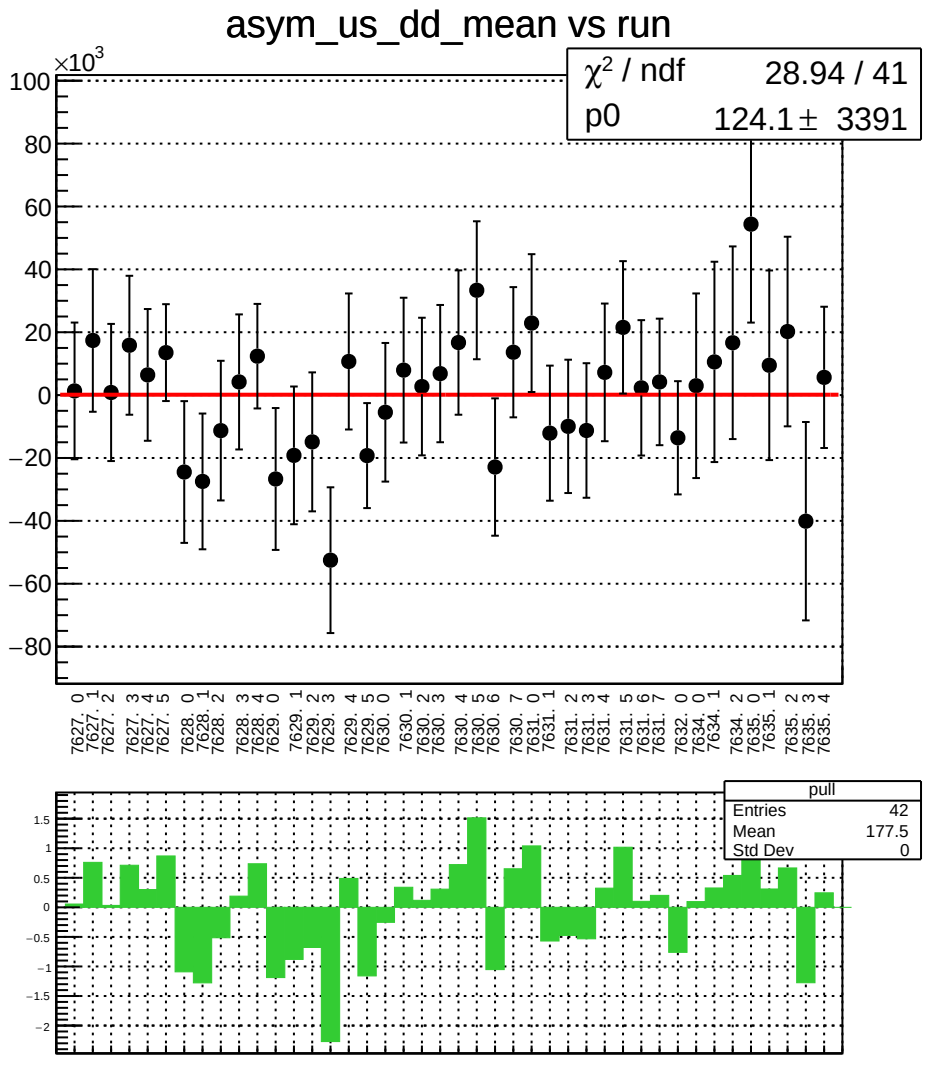

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 50.68 / 41
p0 203.6 ± 1325
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.88
Std Dev 0
2
1
0
−1
−2

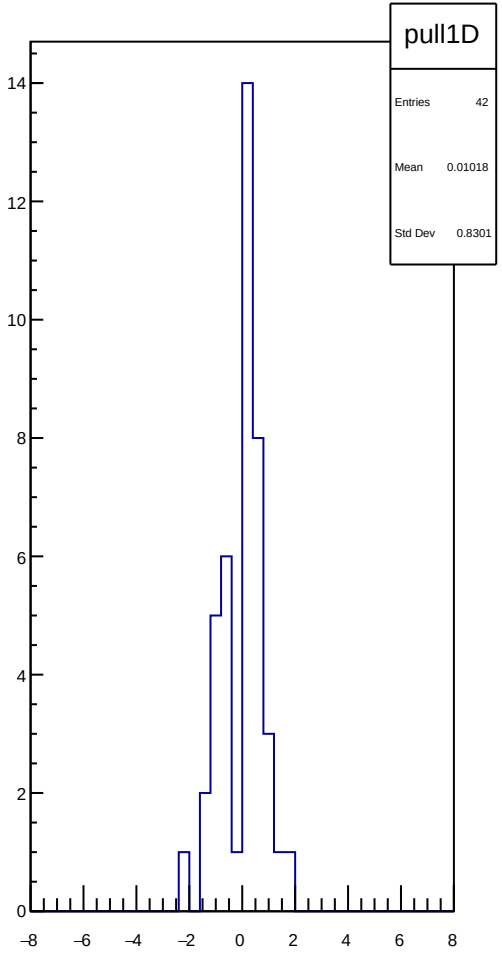

pull1D
Entries 42
Mean −0.007386
Std Dev 1.098
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

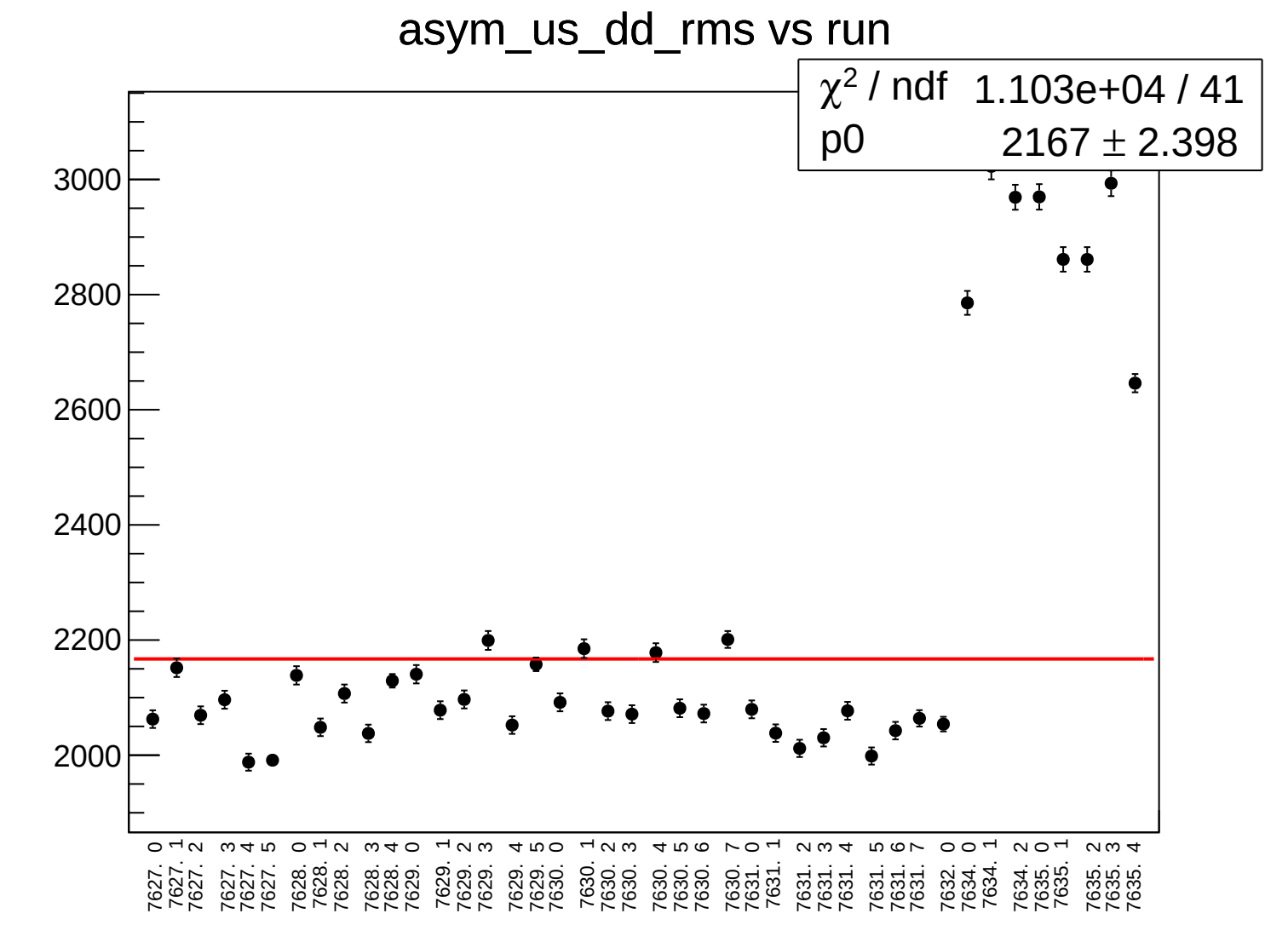

eigen_dit_asym_us_dd_rms vs run
χ^2 / ndf 101 / 41
p0 852.5 ± 0.937
880
870
860
850
840
830
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

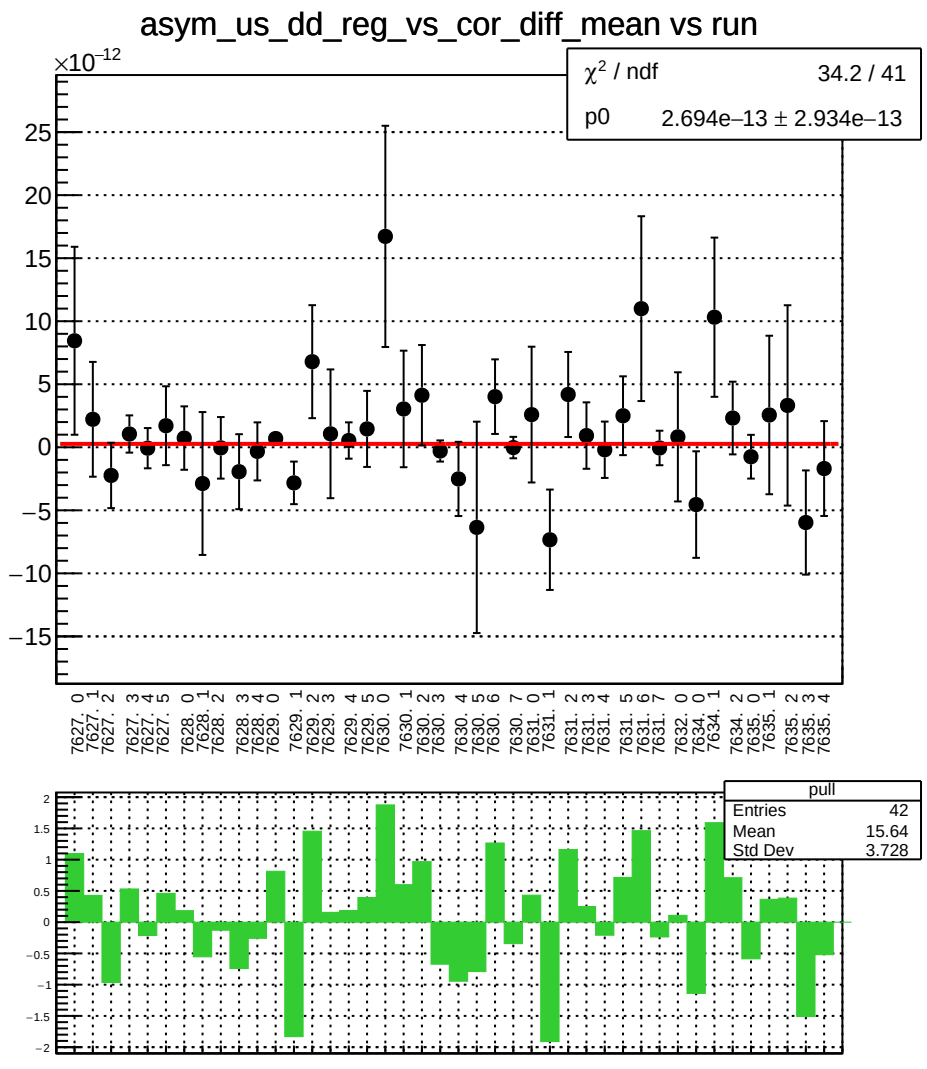

asym_us_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.84 / 41
p0 236.4 ± 3133
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 115.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.0181
Std Dev 0.8284
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

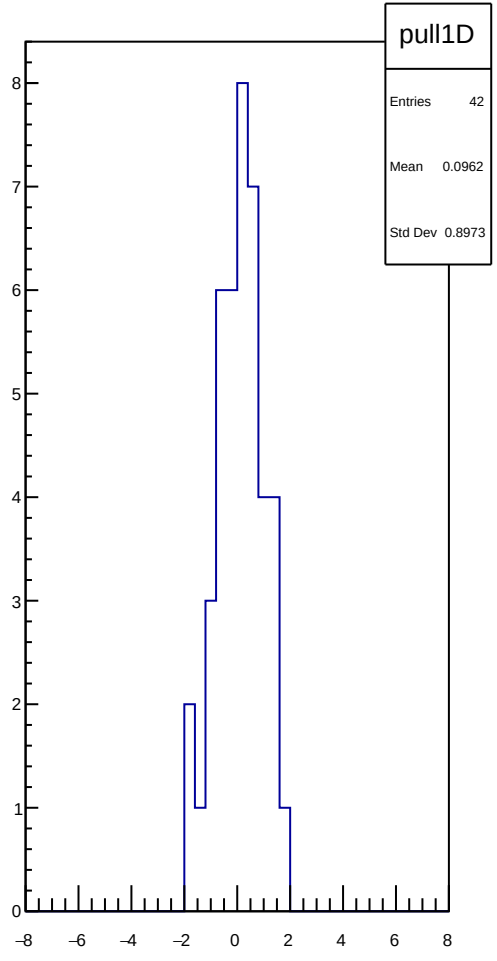

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.407e+04 / 41
p0 1998 ± 2.216
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

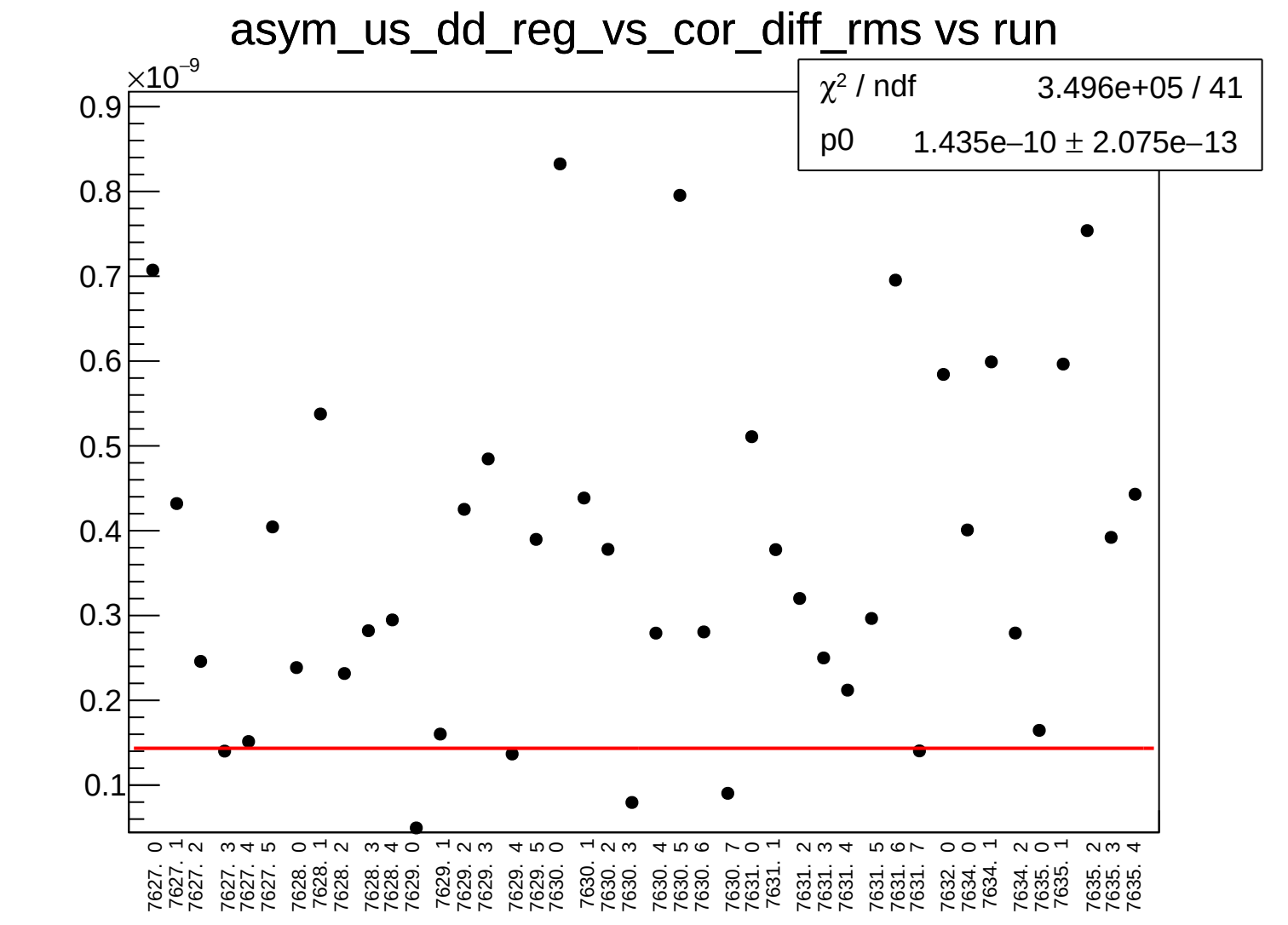

asym_us_dd_mean vs run
×10^3
χ² / ndf 28.94 / 41
p0 124.1 ± 3391
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 177.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.01018
Std Dev 0.8301
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_rms vs run
χ² / ndf 1.103e+04 / 41
p0 2167 ± 2.398
3000
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.2 / 41
p0 2.694e−13 ± 2.934e−13
pull
Entries 42
Mean 15.64
Std Dev 3.728


pull1D
Entries 42
Mean 0.0962
Std Dev 0.8973


asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.496e+05 / 41
p0 1.435e−10 ± 2.075e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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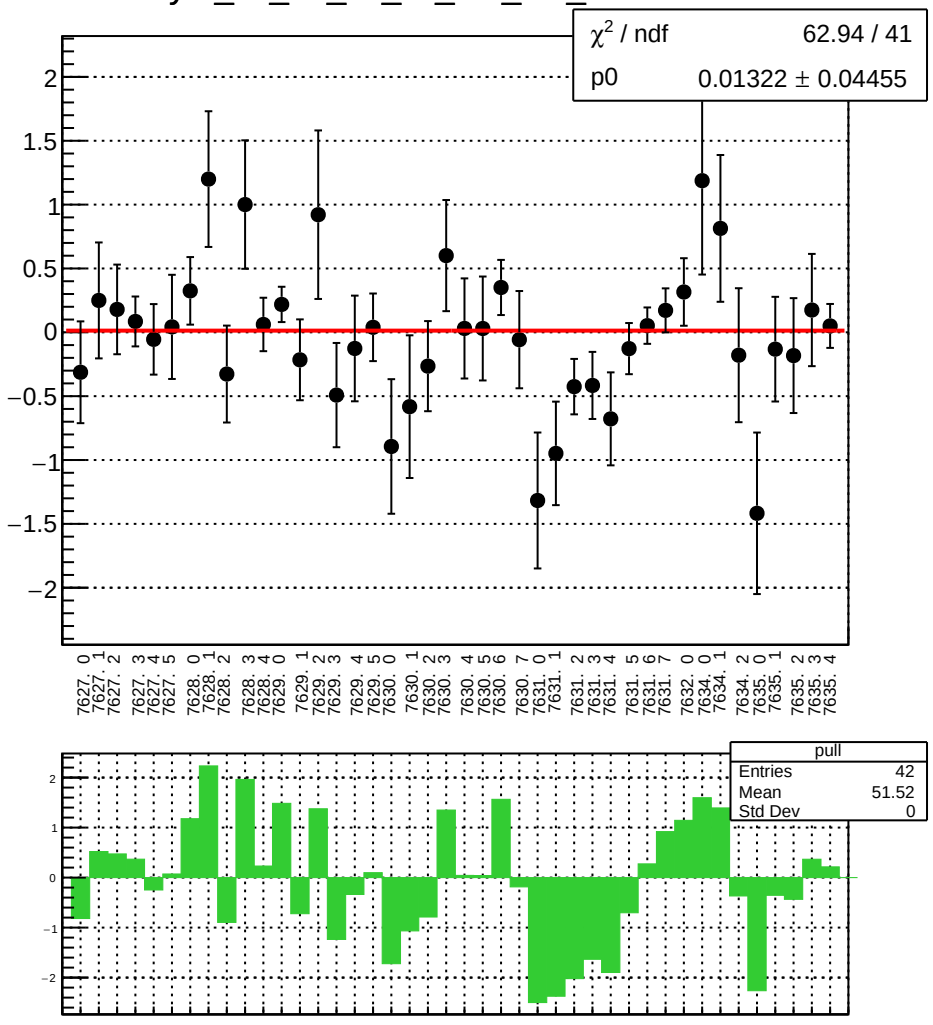
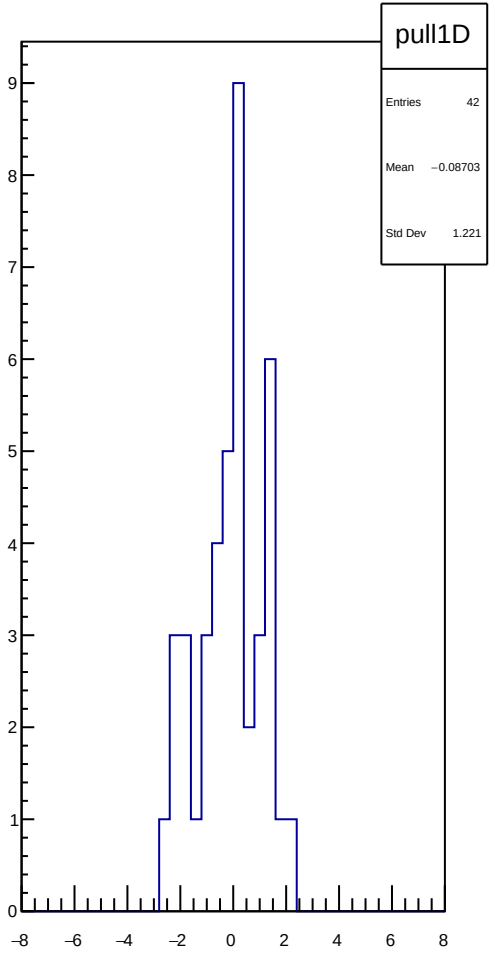
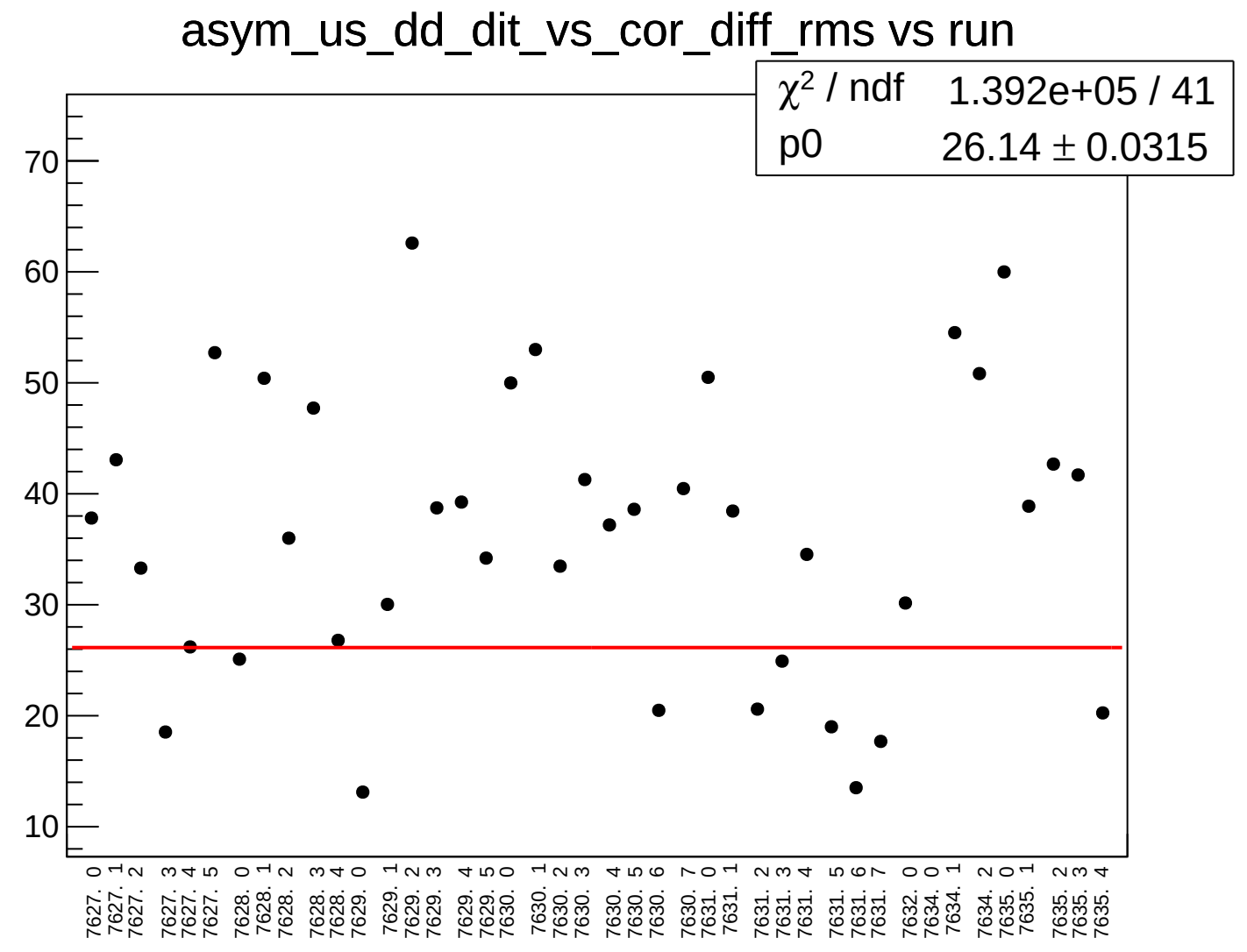
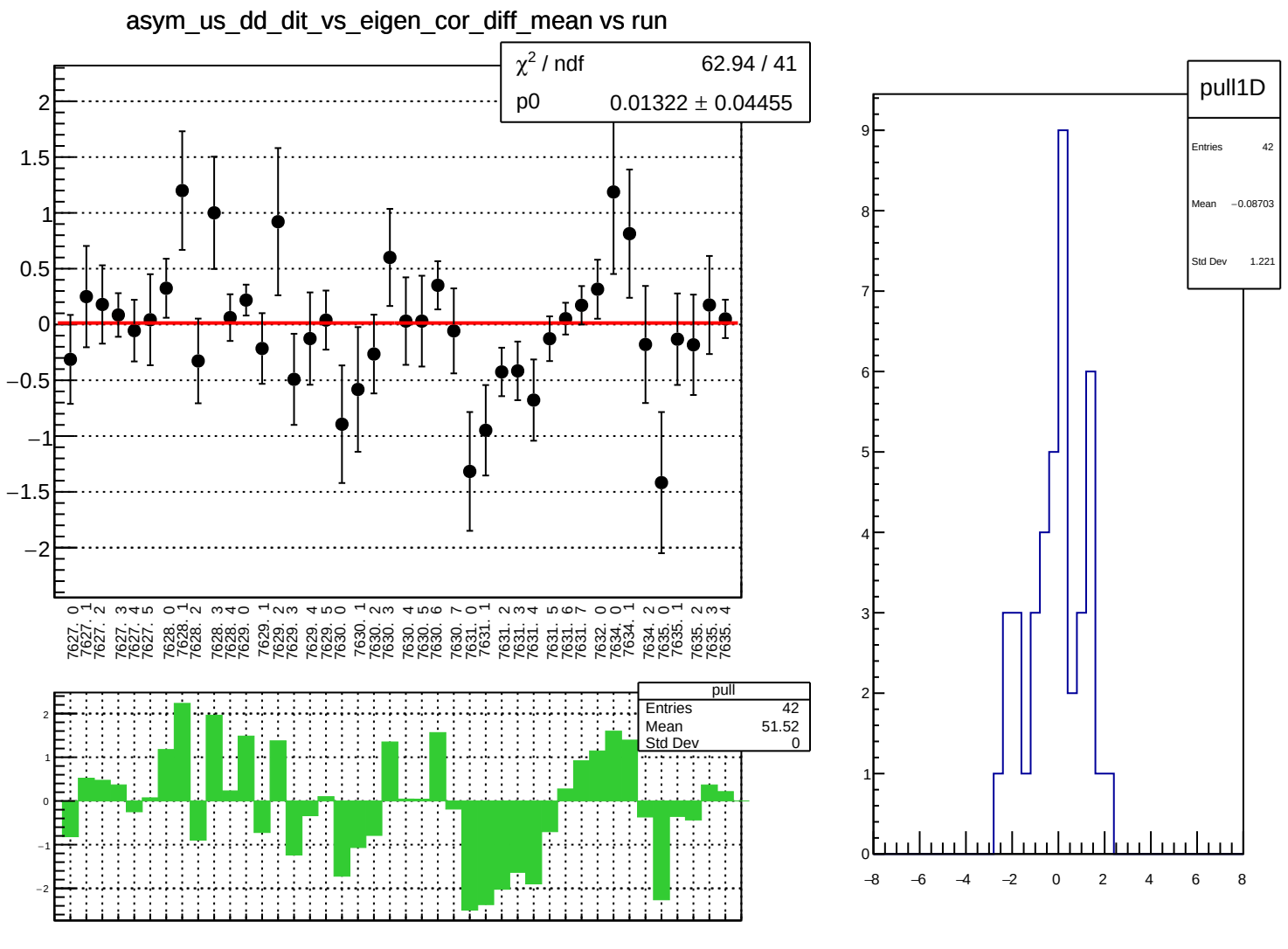
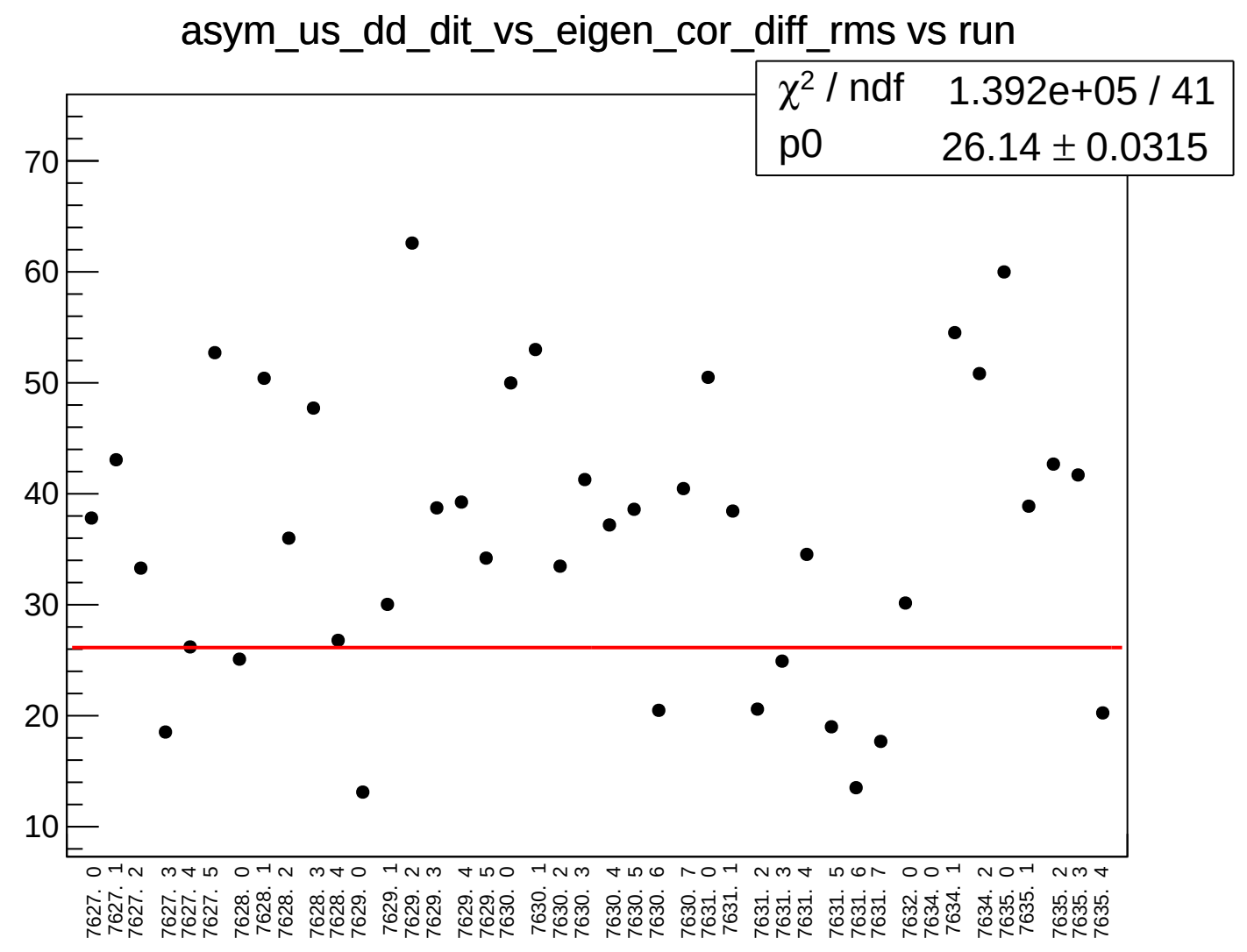
7635. 3
7635. 4

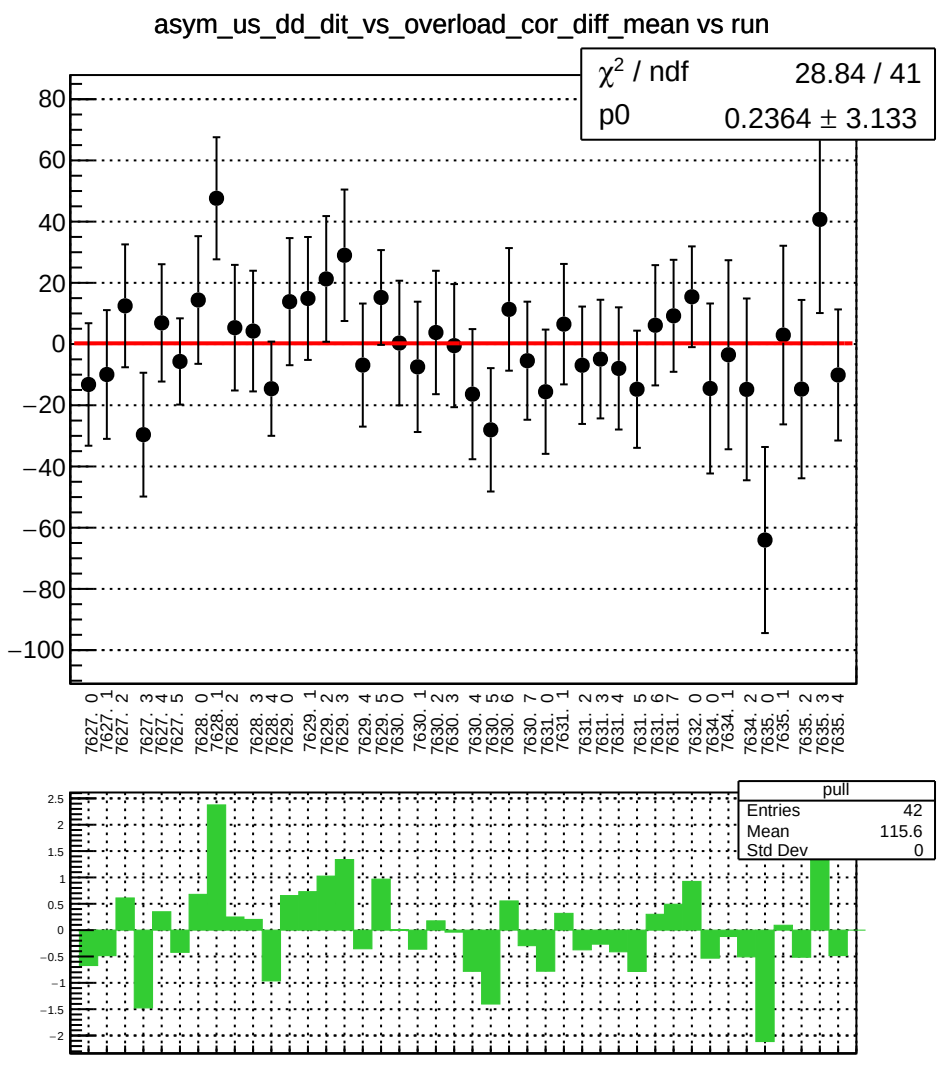

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.94 / 41
p0 0.01322 ± 0.04455
pull
Entries 42
Mean 51.52
Std Dev 0

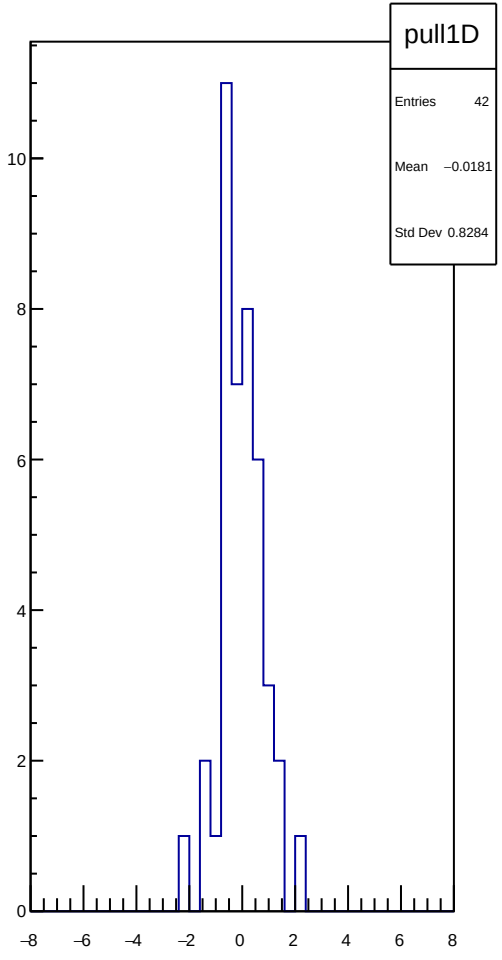

pull1D
Entries 42
Mean −0.08703
Std Dev 1.221

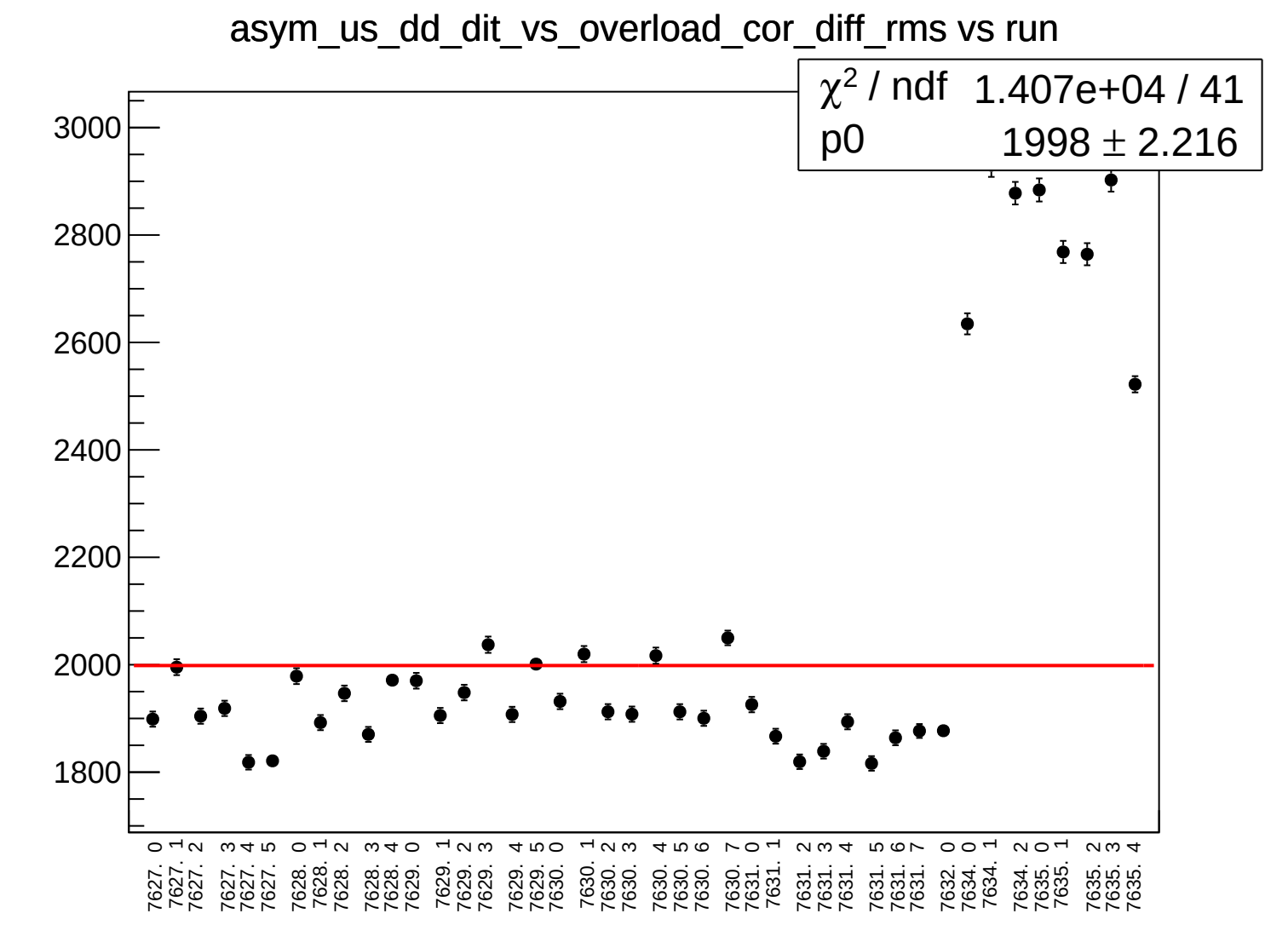

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.392e+05 / 41
p0 26.14 ± 0.0315
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

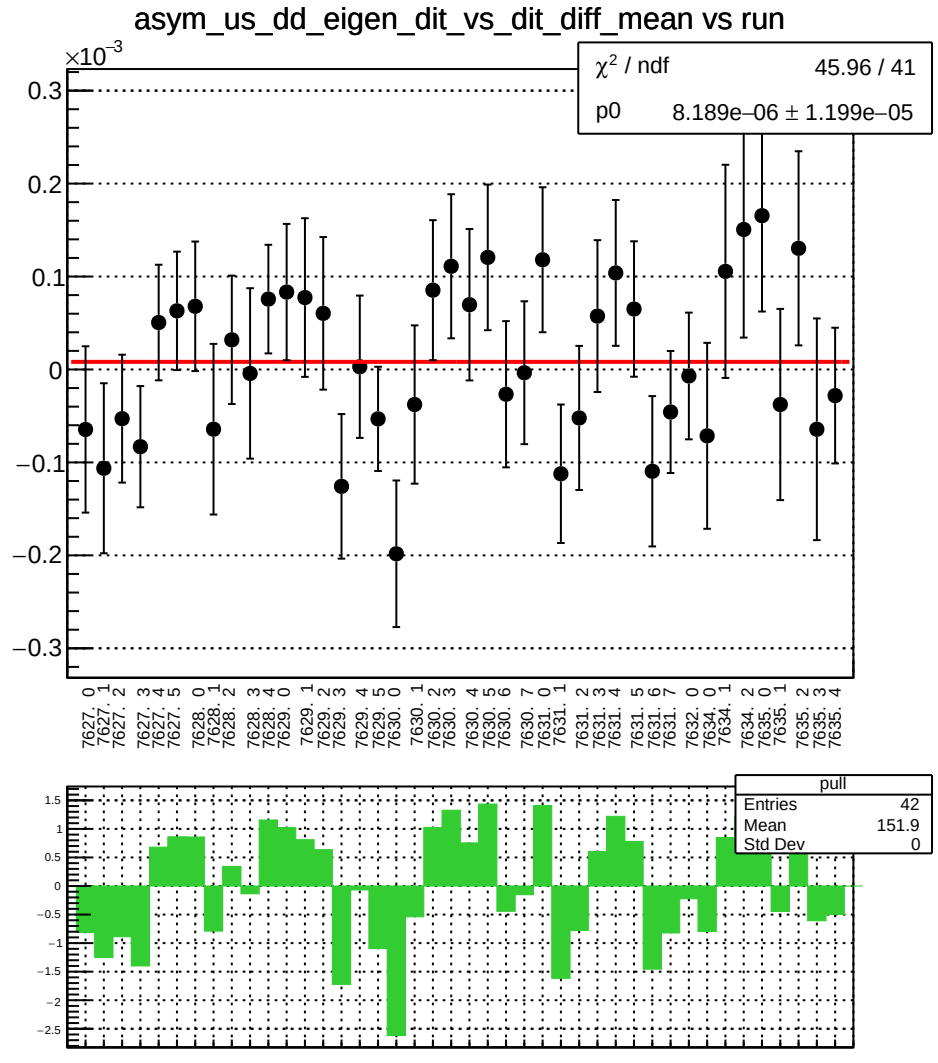

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.94 / 41
p0 0.01322 ± 0.04455
pull
Entries 42
Mean 51.52
Std Dev 0
pull1D
Entries 42
Mean −0.08703
Std Dev 1.221

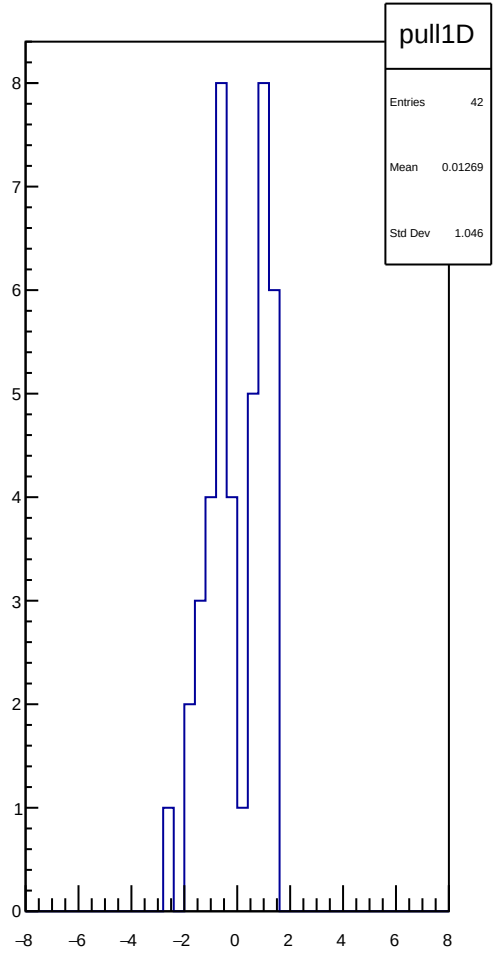

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.392e+05 / 41
p0 26.14 ± 0.0315
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

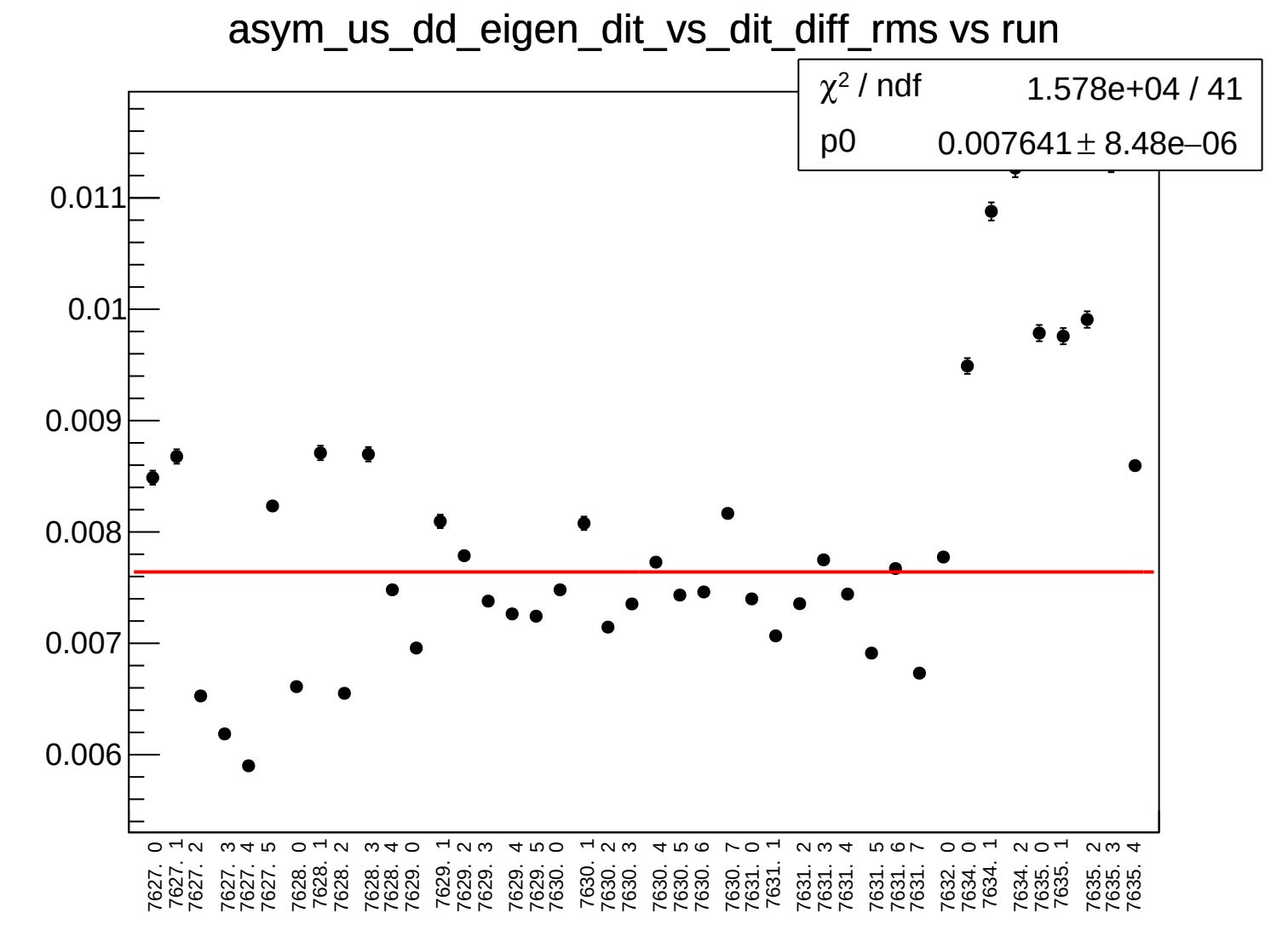

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 28.84 / 41
p0 0.2364 ± 3.133
pull
Entries 42
Mean 115.6
Std Dev 0

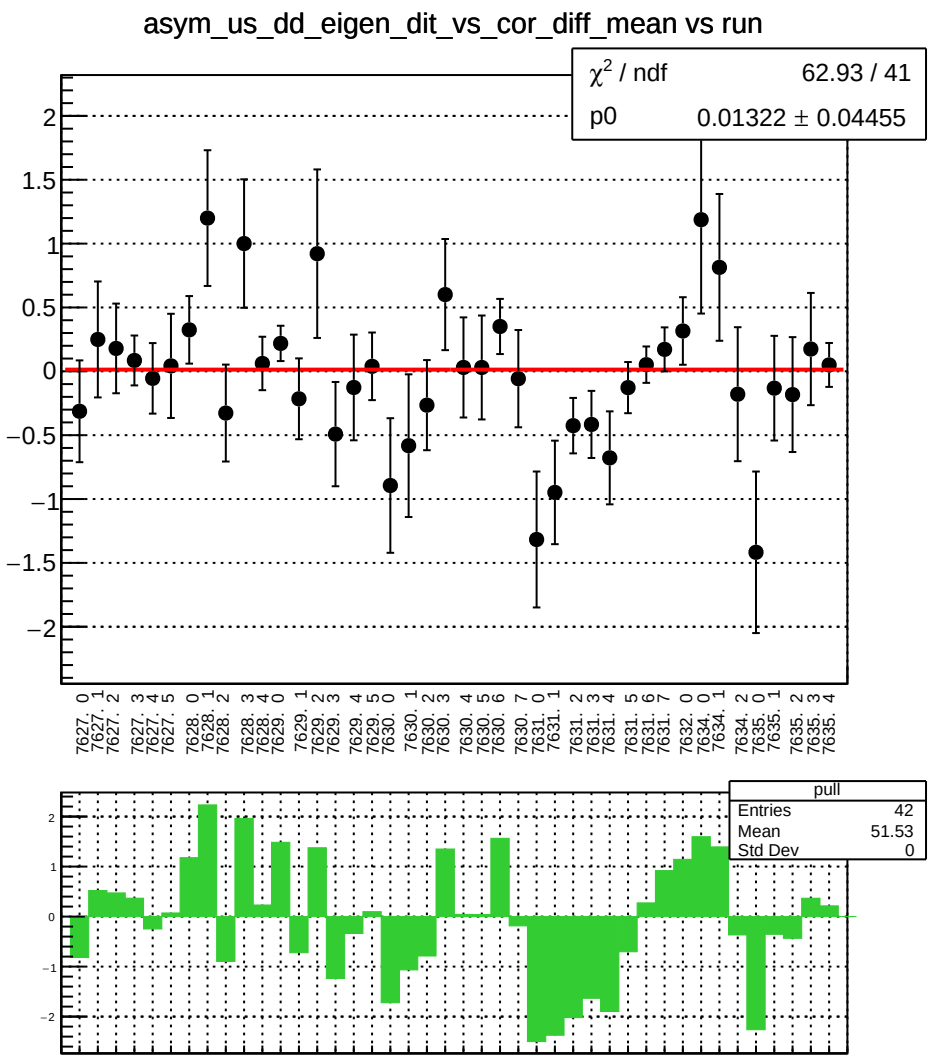

pull1D
Entries 42
Mean −0.0181
Std Dev 0.8284

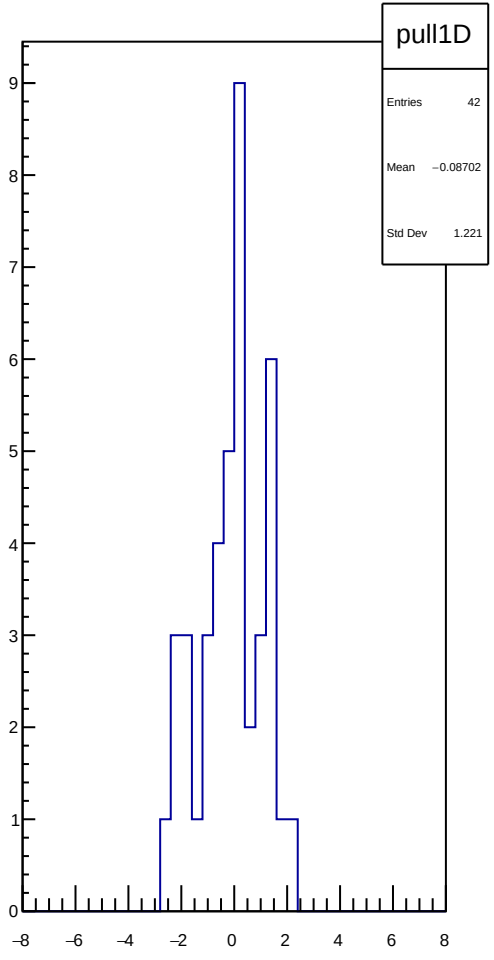

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.407e+04 / 41
p0 1998 ± 2.216
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

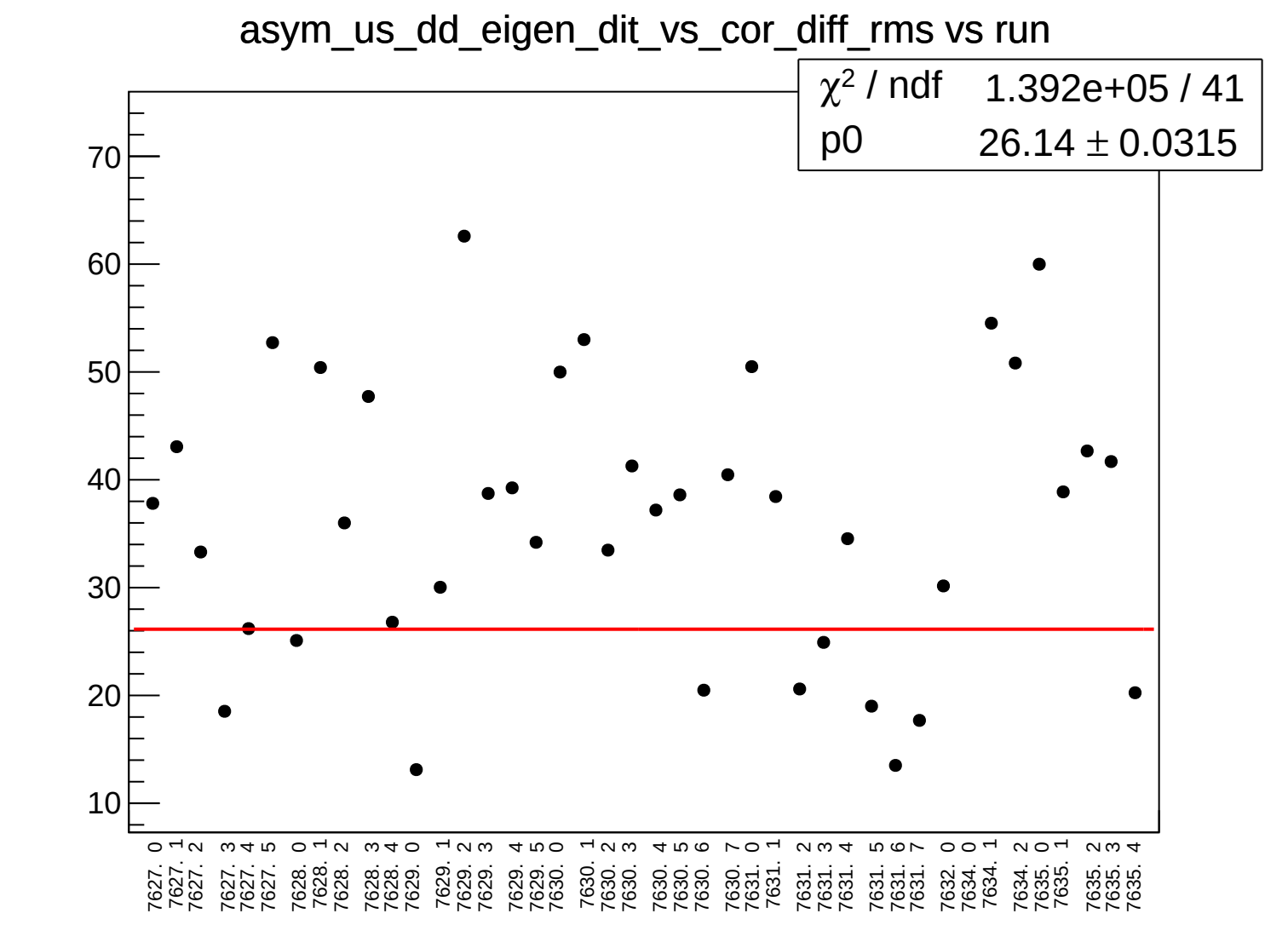

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.96 / 41
p0 8.189e−06 ± 1.199e−05
pull
Entries 42
Mean 151.9
Std Dev 0


pull1D
Entries 42
Mean 0.01269
Std Dev 1.046

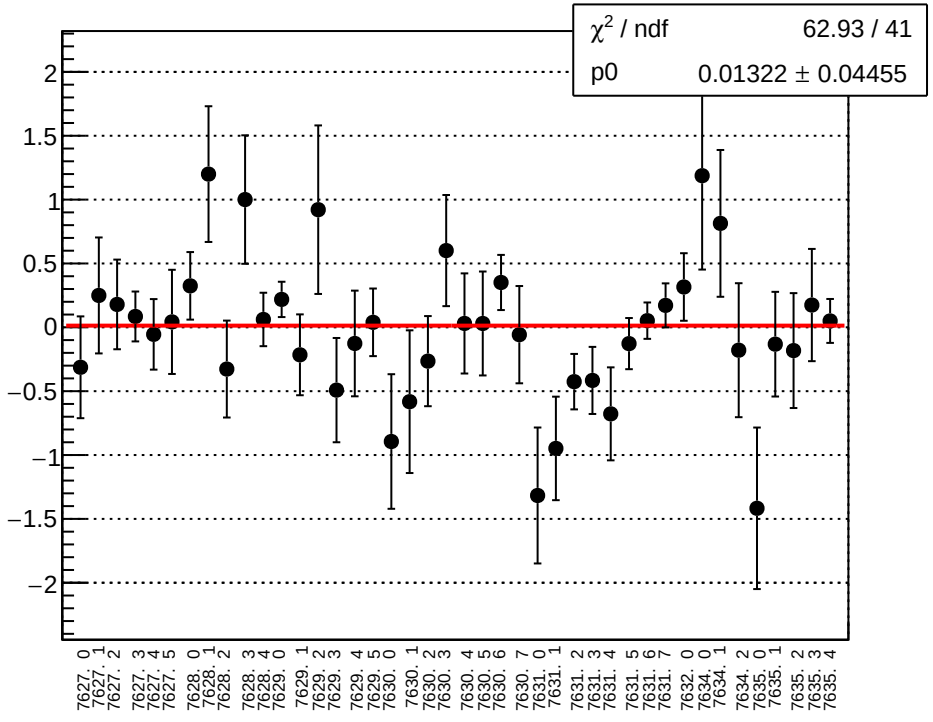

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.578e+04 / 41
p0 0.007641 ± 8.48e–06
0.011
0.01
0.009
0.008
0.007
0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

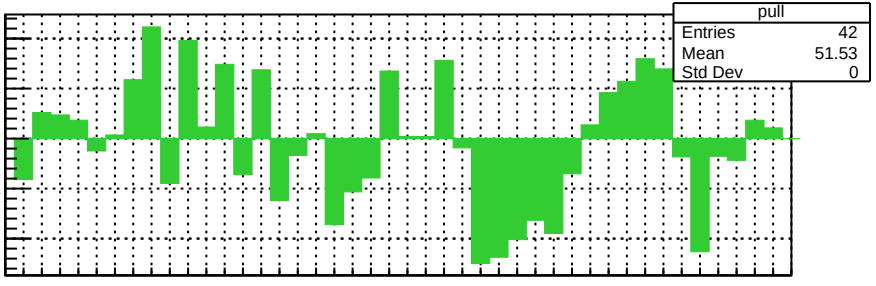

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.93 / 41
p0 0.01322 ± 0.04455
pull
Entries 42
Mean 51.53
Std Dev 0

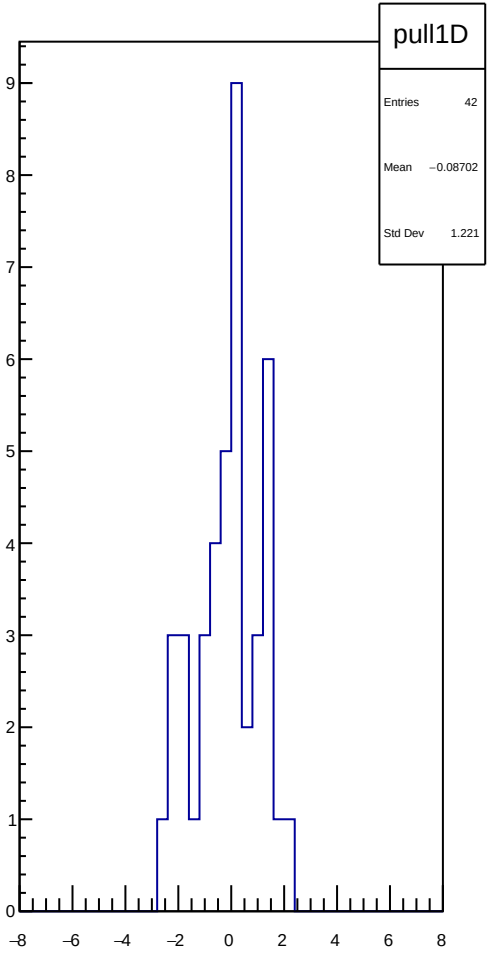

pull1D
Entries 42
Mean −0.08702
Std Dev 1.221

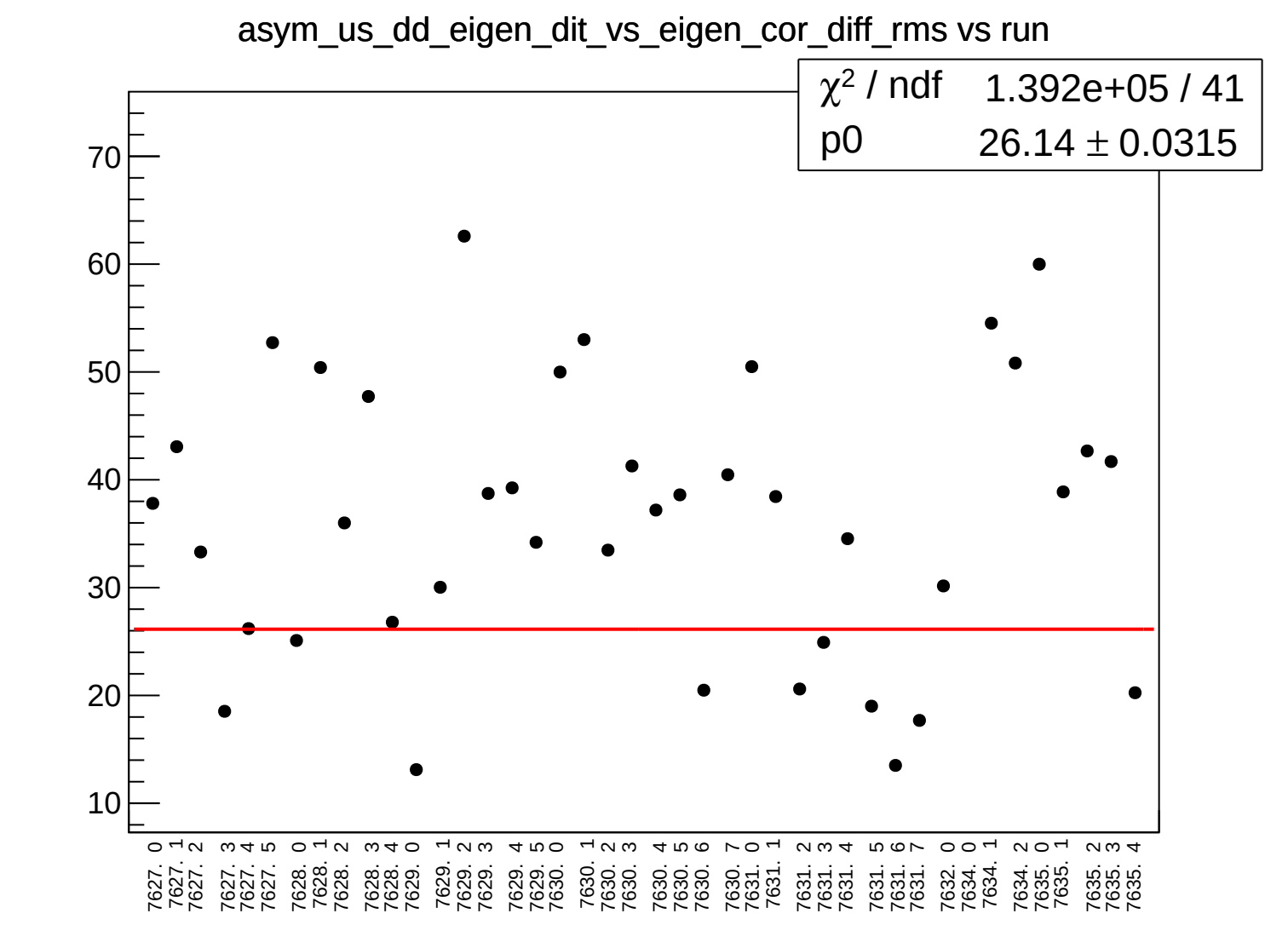

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.392e+05 / 41
p0 26.14 ± 0.0315
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

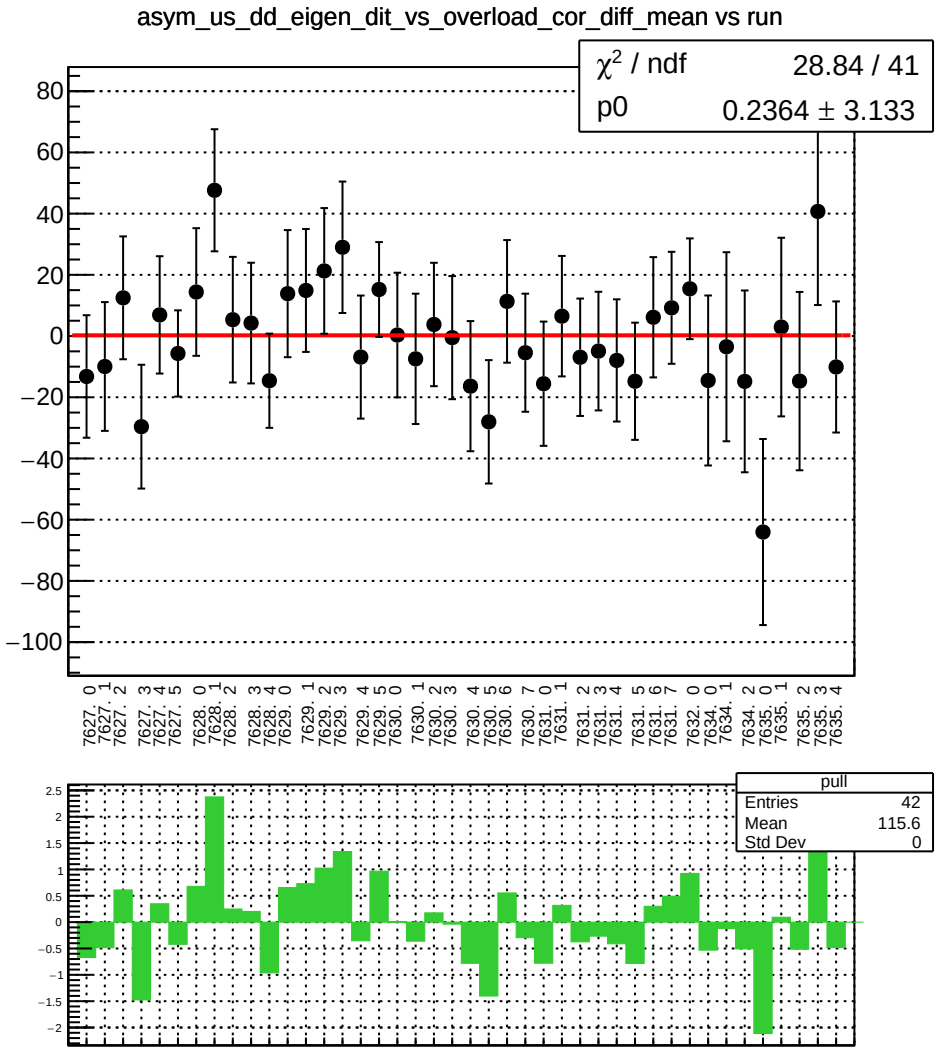
asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

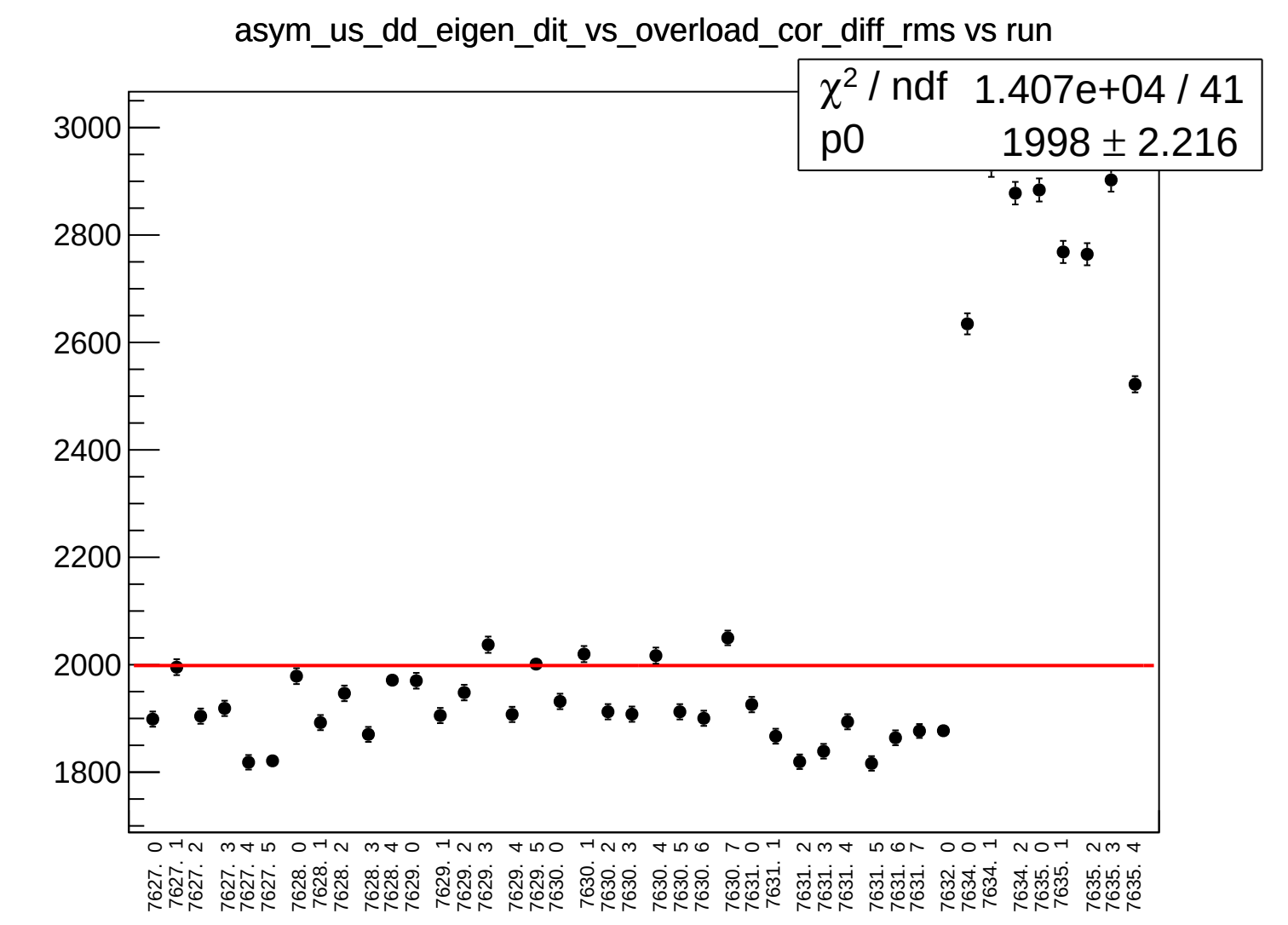


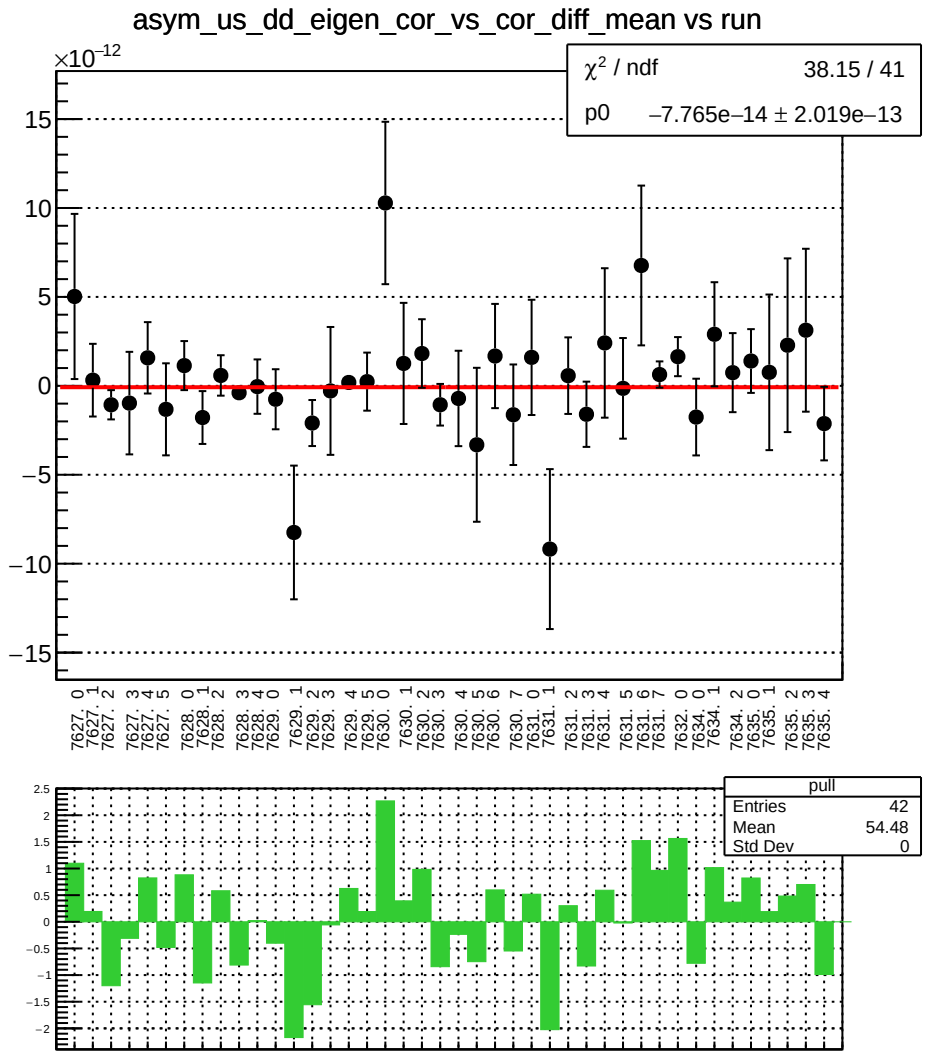


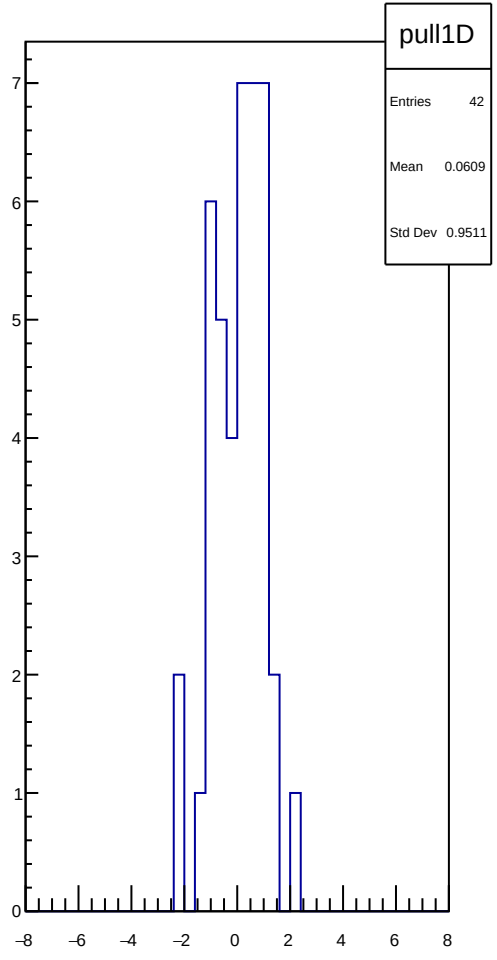


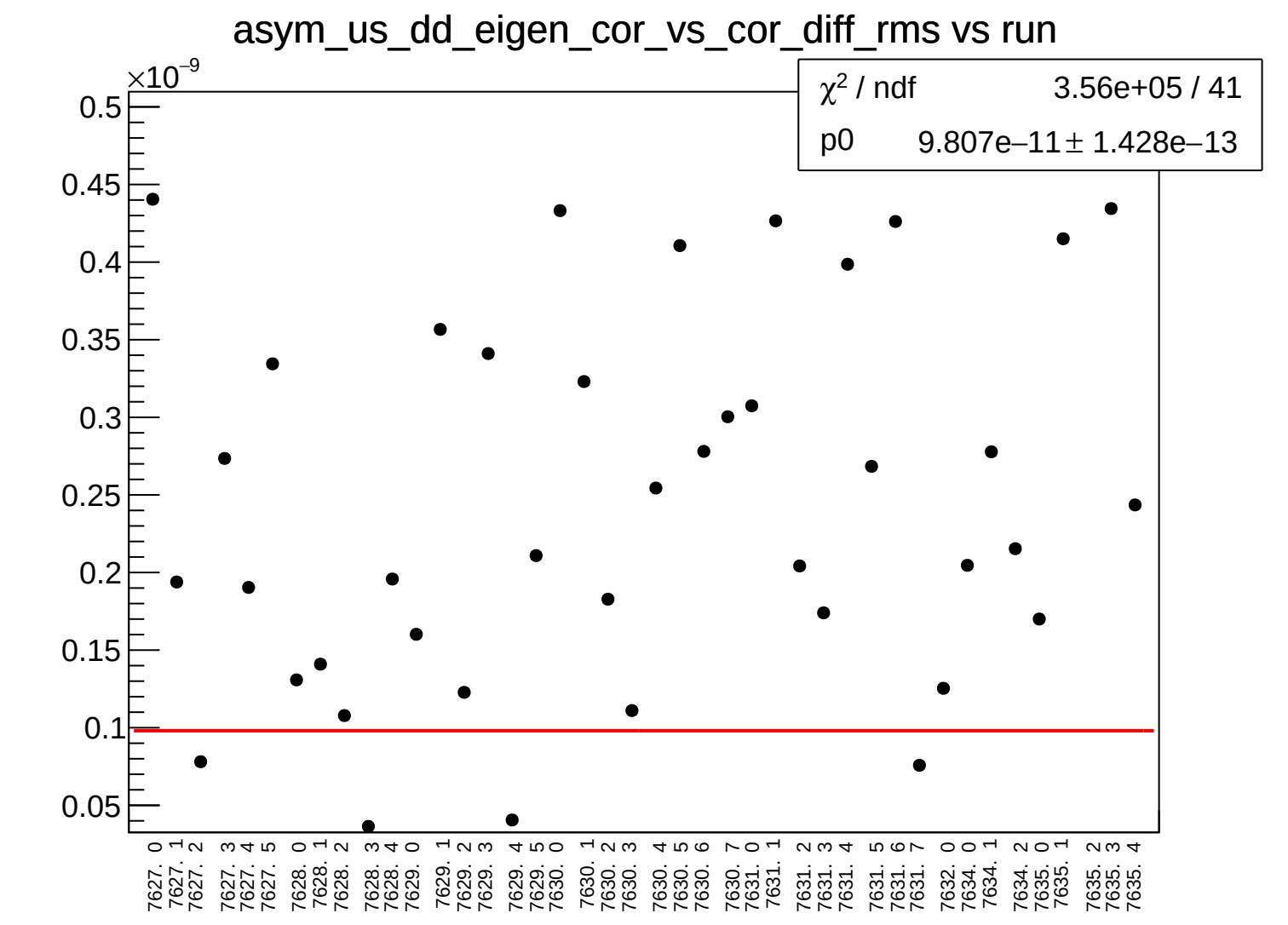

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.392e+05 / 41
p0 26.14 ± 0.0315
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

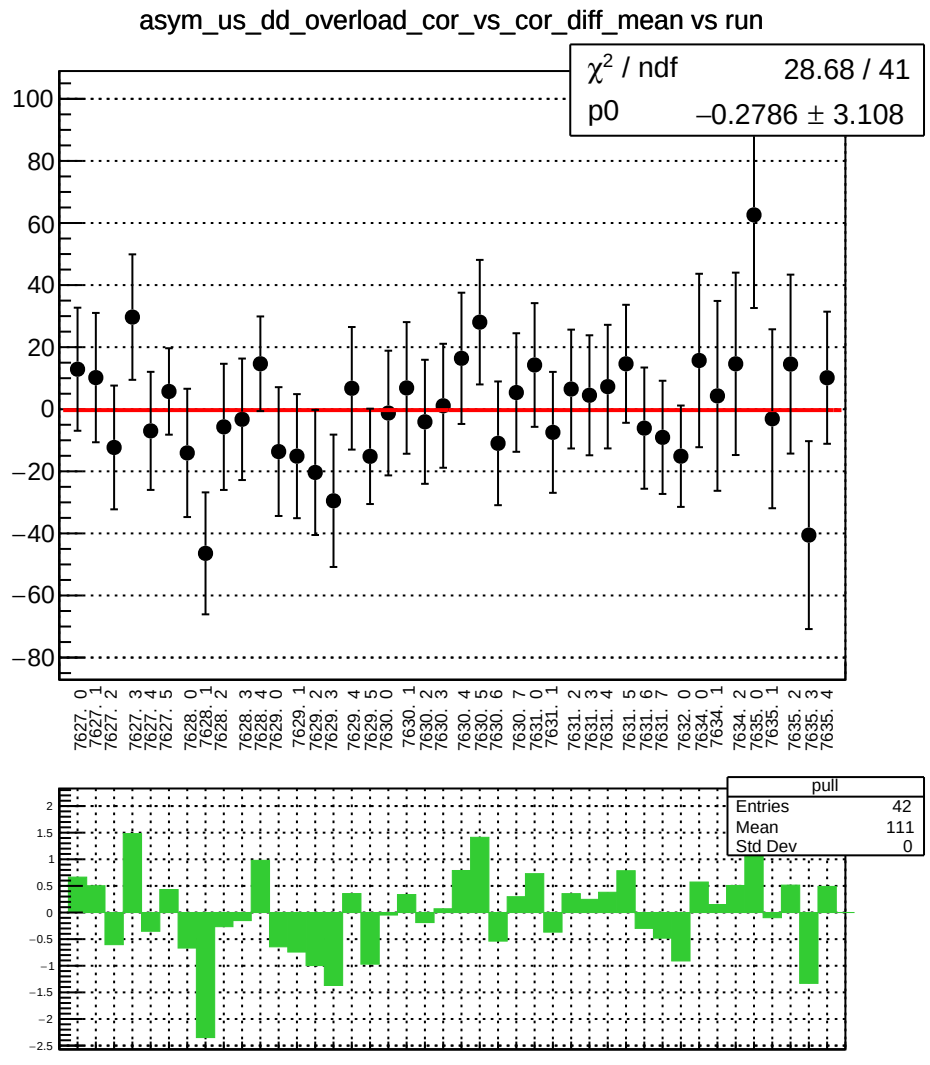

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 28.84 / 41
p0 0.2364 ± 3.133
pull
Entries 42
Mean 115.6
Std Dev 0
pull1D
Entries 42
Mean −0.0181
Std Dev 0.8284

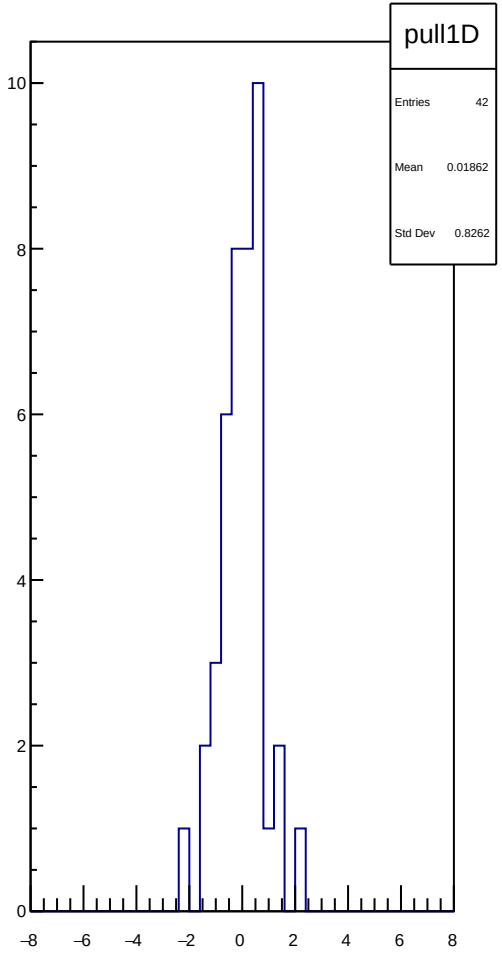

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.407e+04 / 41
p0 1998 ± 2.216
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

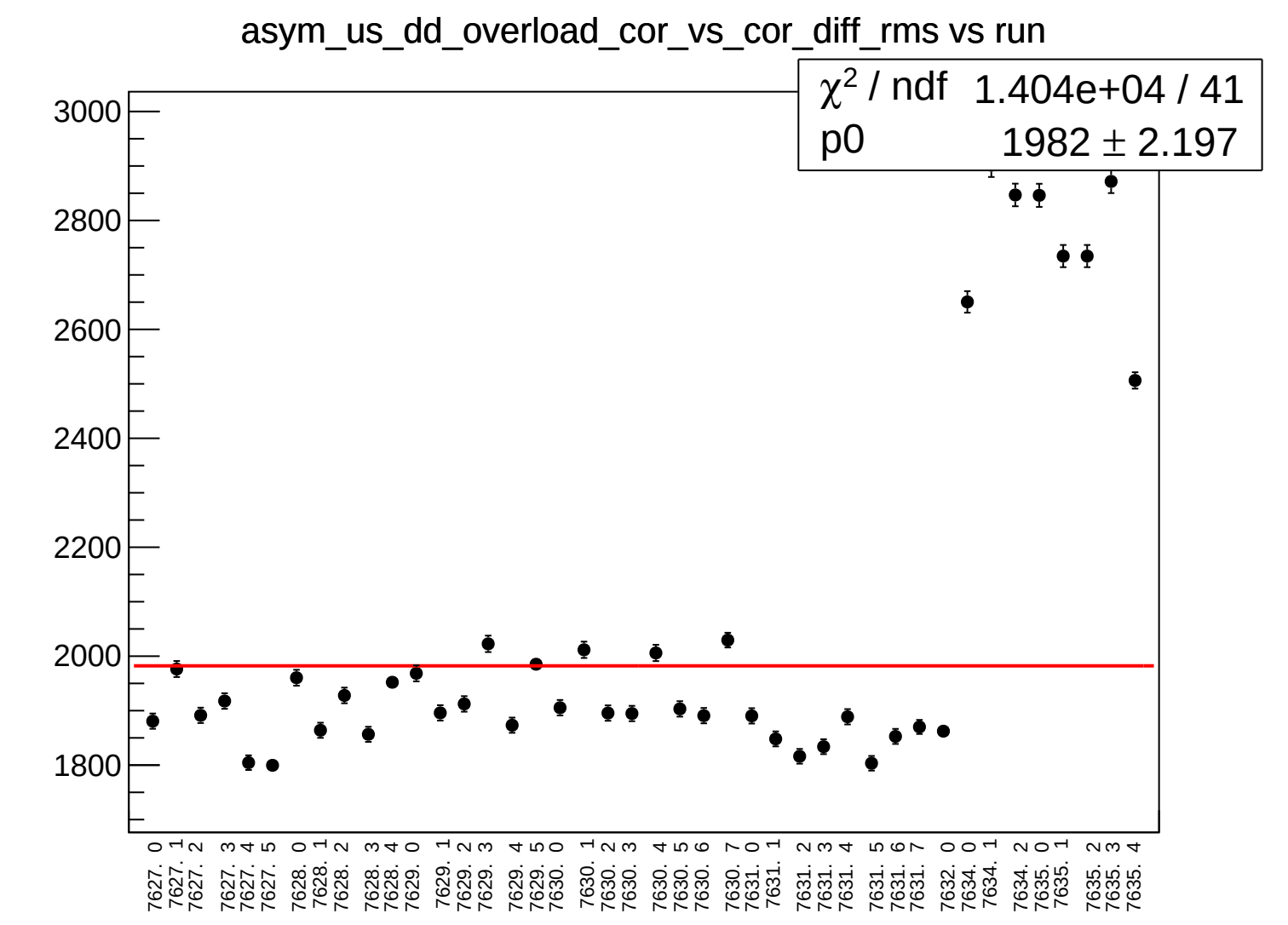

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 38.15 / 41
p0 −7.765e−14 ± 2.019e−13
pull
Entries 42
Mean 54.48
Std Dev 0

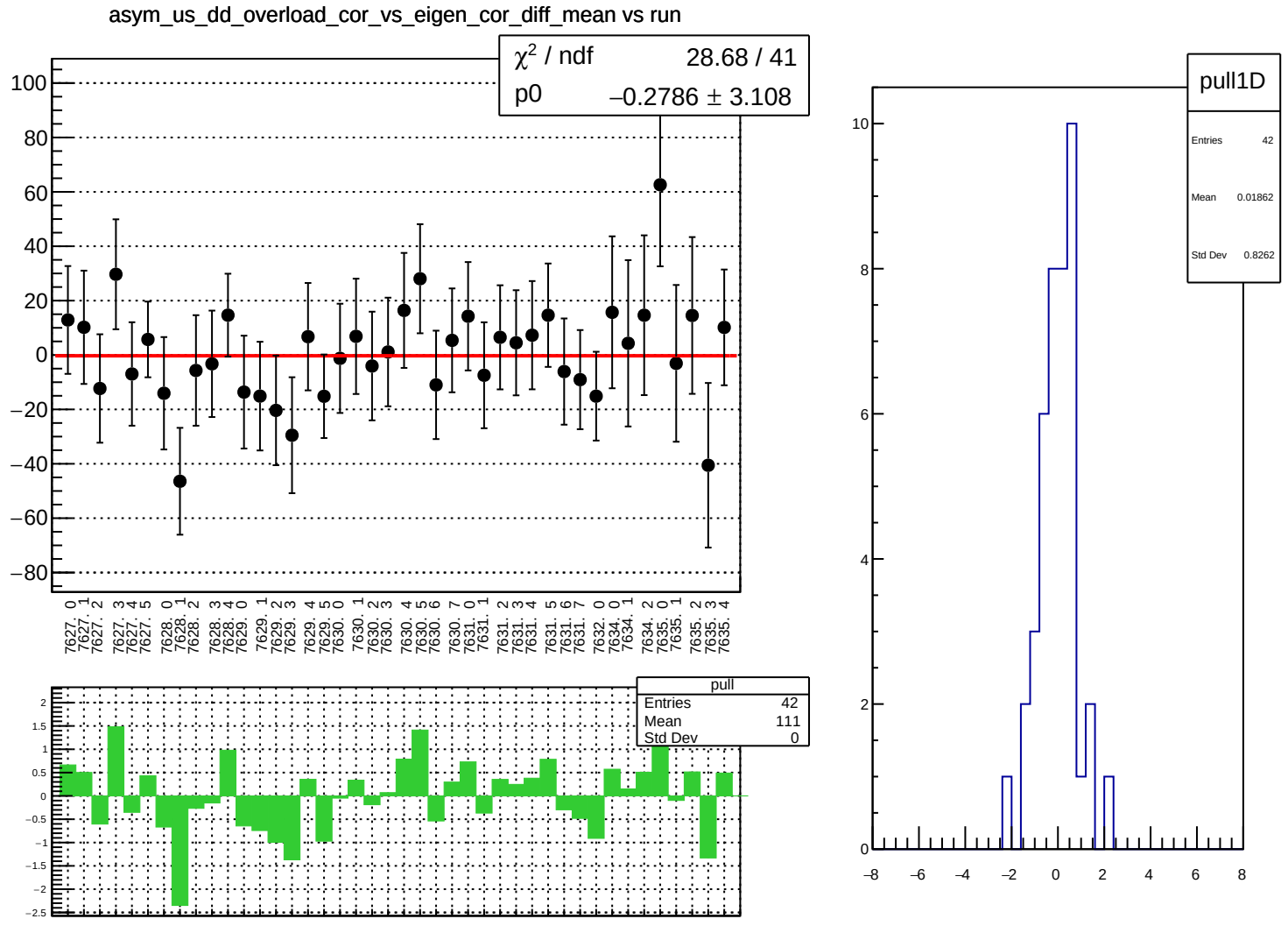

pull1D
Entries 42
Mean 0.0609
Std Dev 0.9511

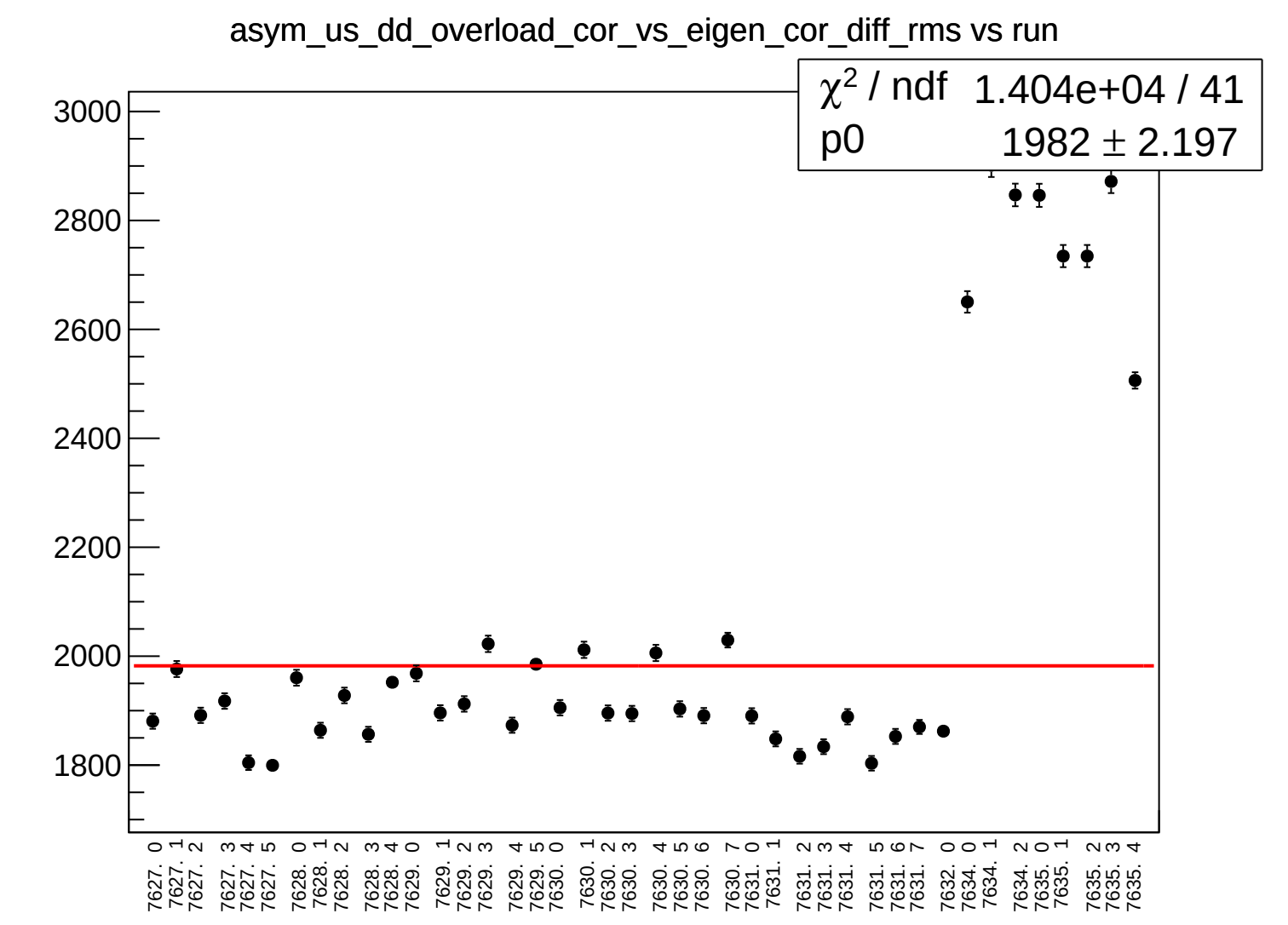

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.56e+05 / 41
p0 9.807e−11 ± 1.428e−13
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

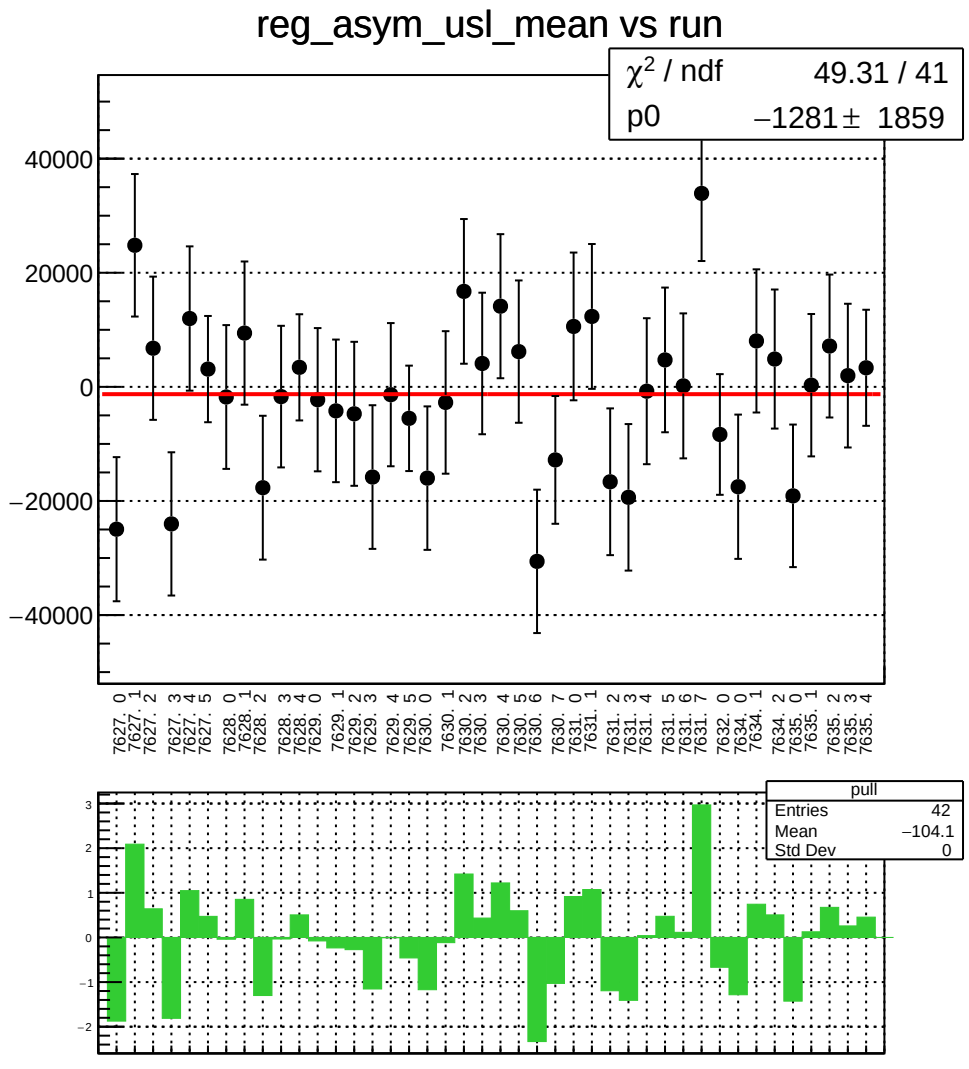

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 28.68 / 41
p0 −0.2786 ± 3.108
pull
Entries 42
Mean 111
Std Dev 0

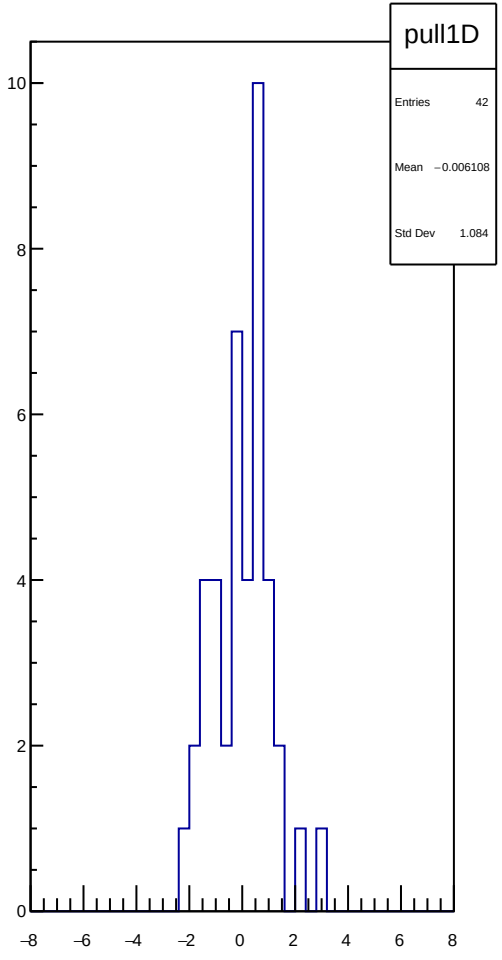

pull1D
Entries 42
Mean 0.01862
Std Dev 0.8262

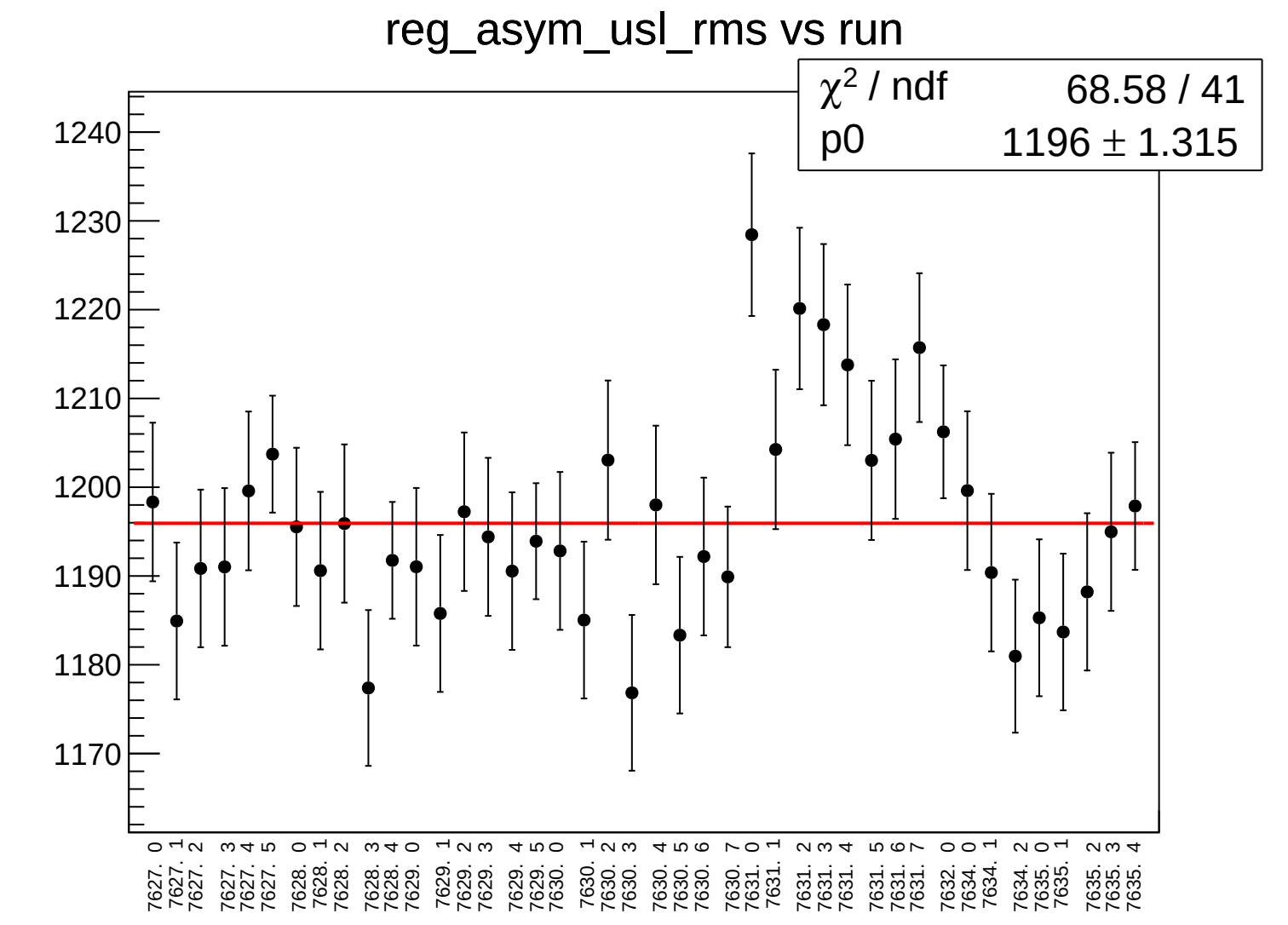

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.404e+04 / 41
p0 1982 ± 2.197
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

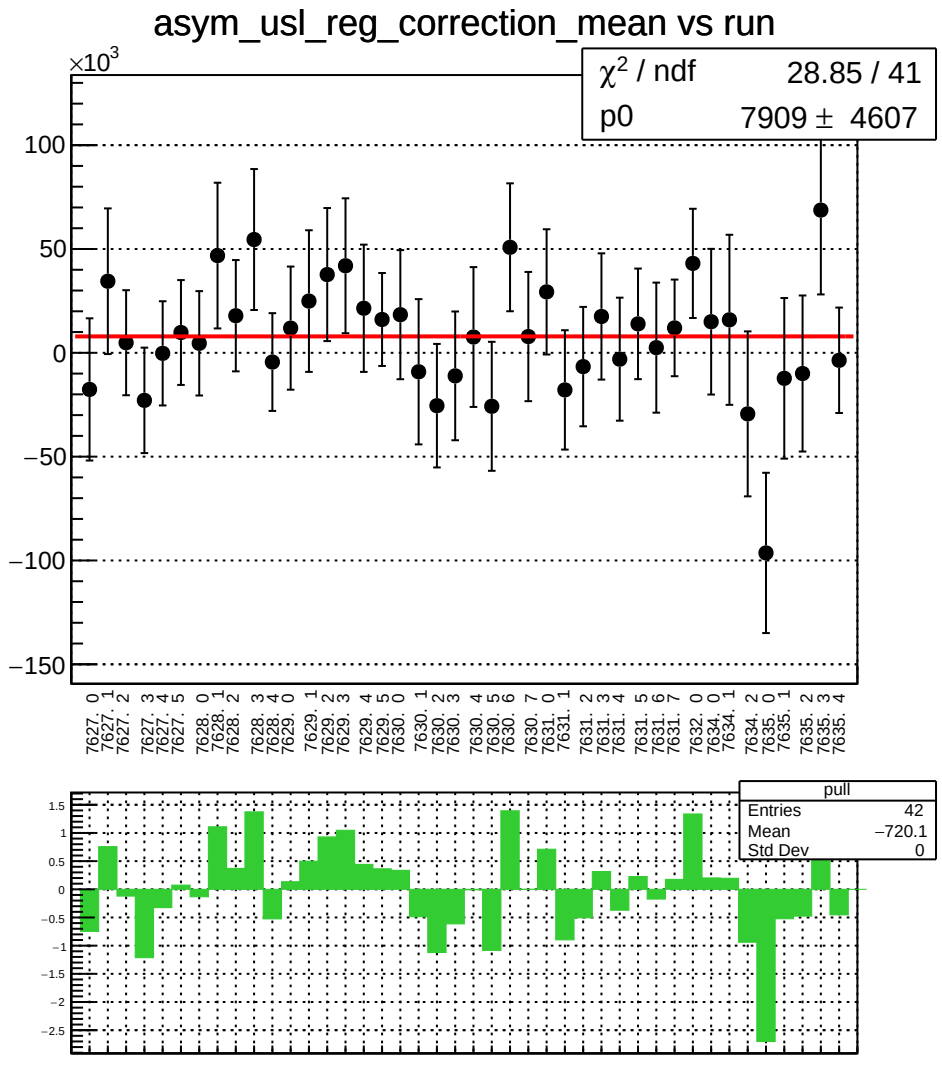

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.68 / 41
p0 −0.2786 ± 3.108
pull
Entries 42
Mean 111
Std Dev 0
pull1D
Entries 42
Mean 0.01862
Std Dev 0.8262

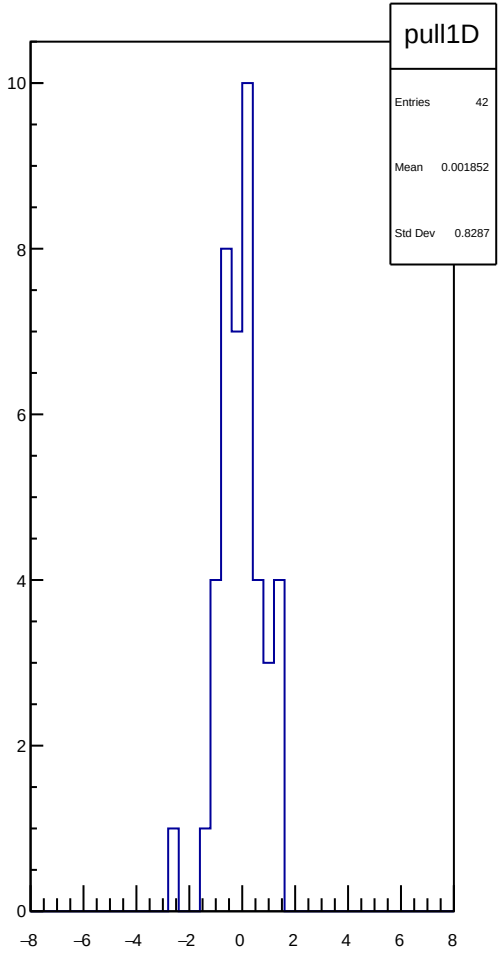

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.404e+04 / 41
p0 1982 ± 2.197
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

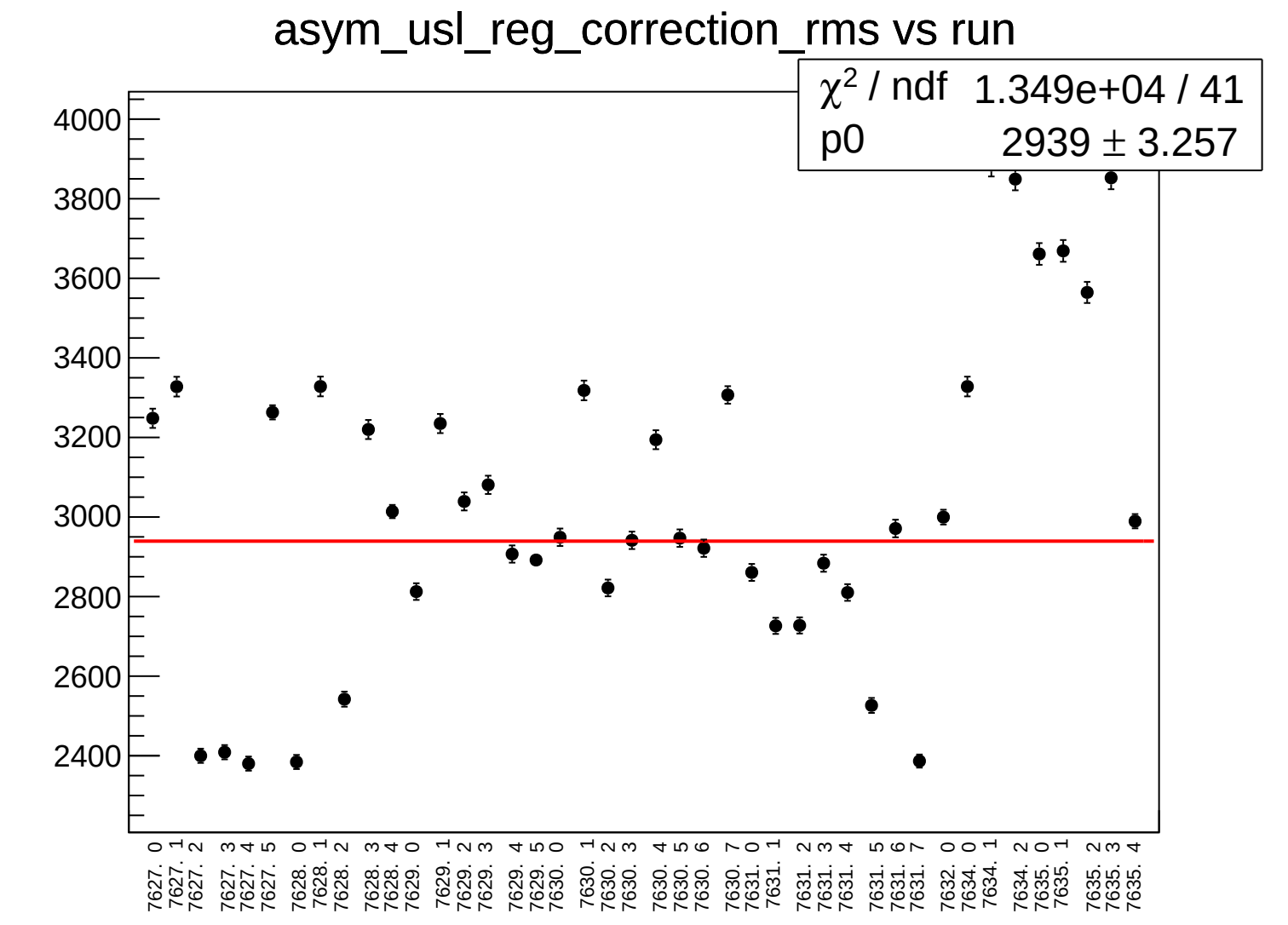

reg_asym_usl_mean vs run
χ² / ndf 49.31 / 41
p0 −1281 ± 1859
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −104.1
Std Dev 0
3
2
1
0
−1
−2

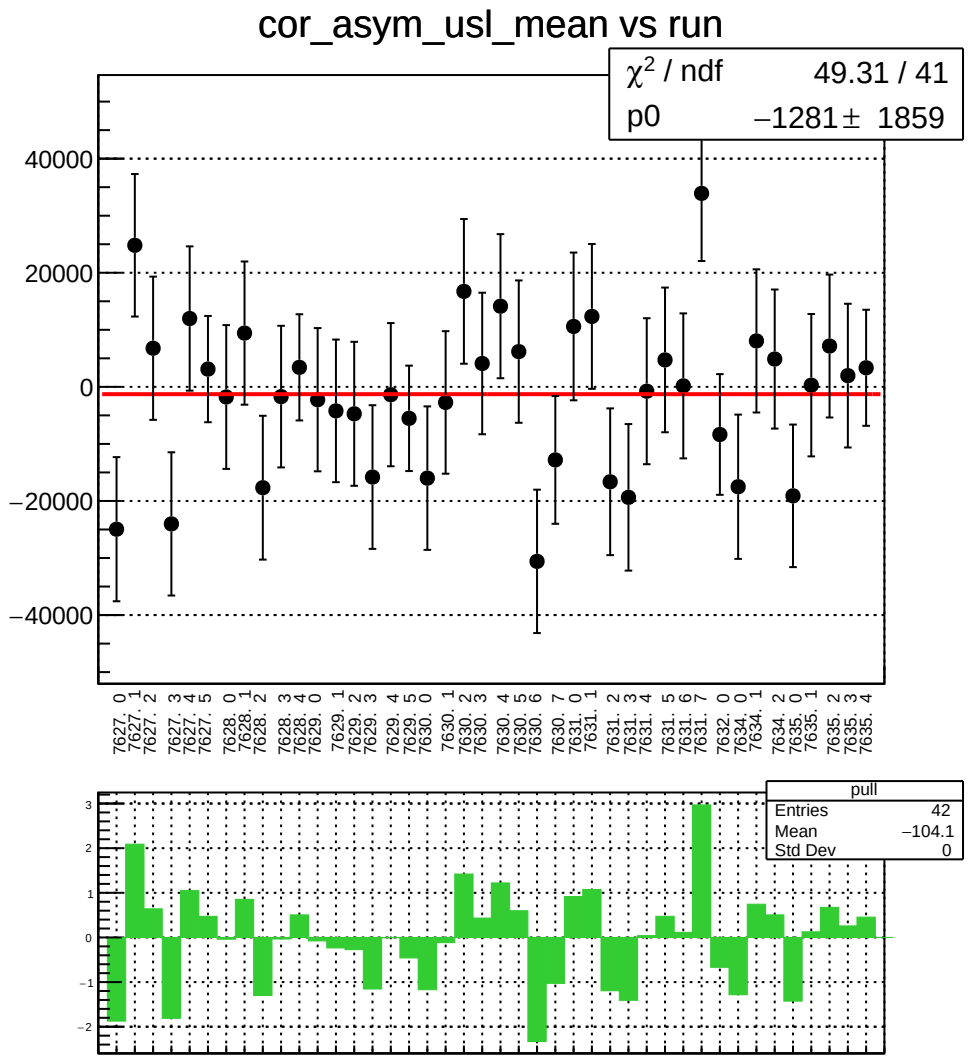

pull1D
Entries 42
Mean −0.006108
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

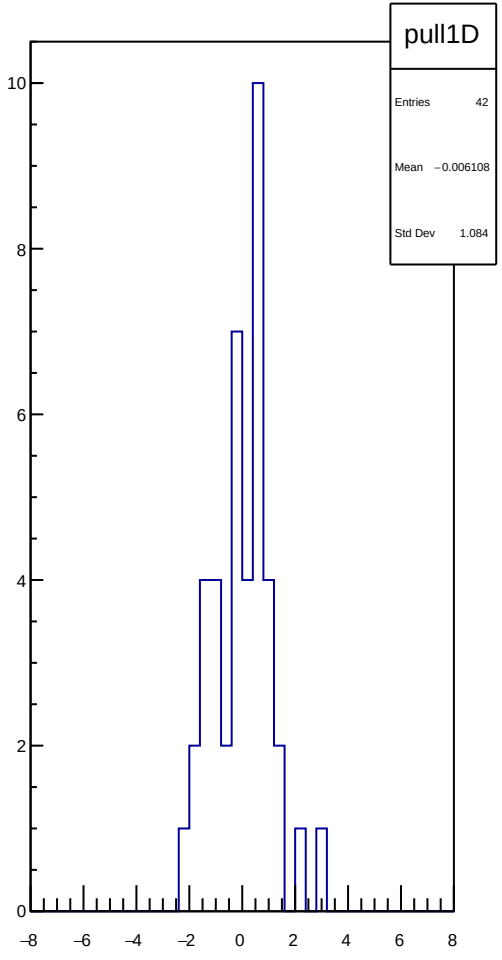

reg_asym_usl_rms vs run
χ² / ndf 68.58 / 41
p0 1196 ± 1.315
1240
1230
1220
1210
1200
1190
1180
1170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

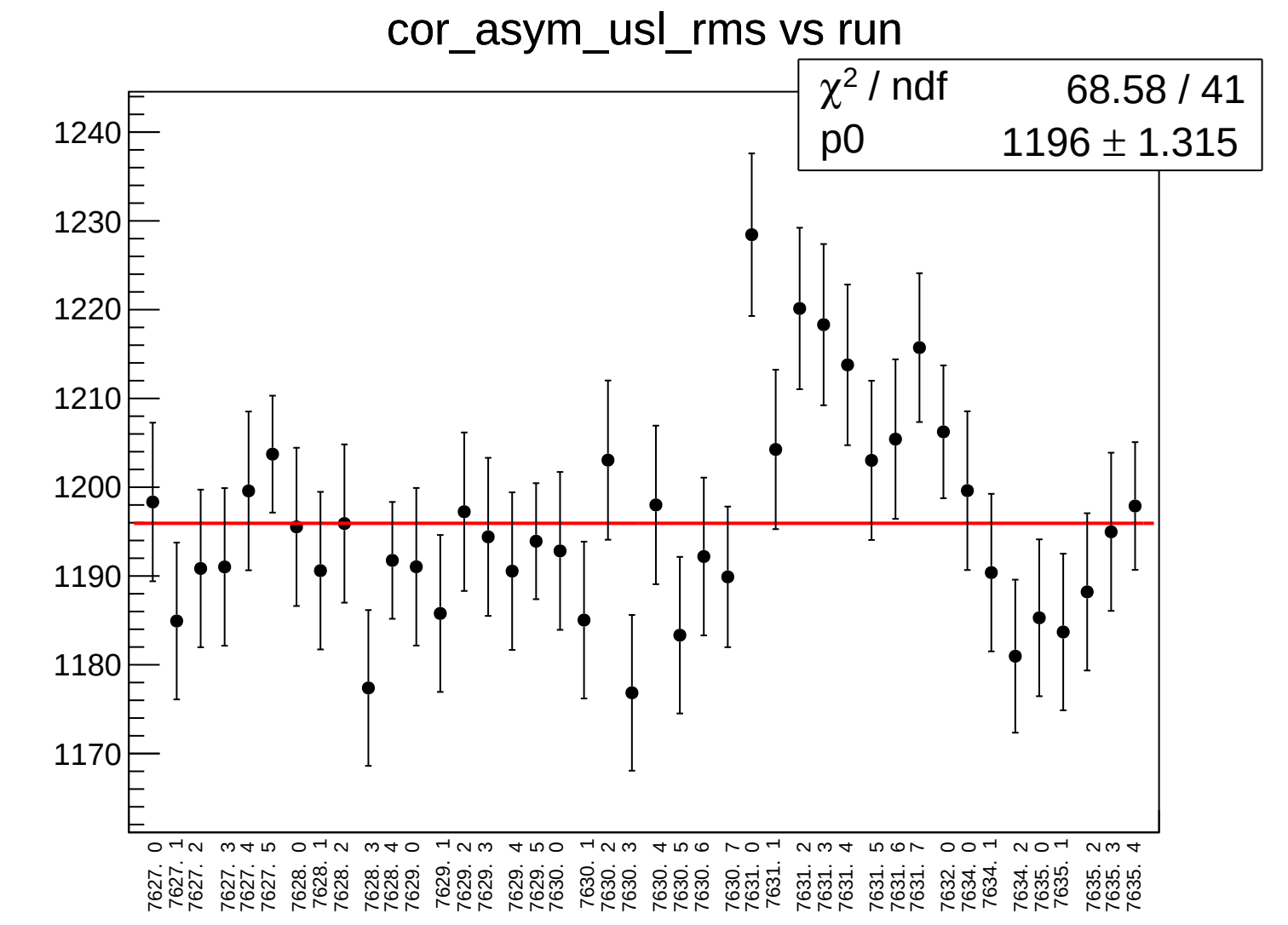

asym_usl_reg_correction_mean vs run
×10^3
χ² / ndf 28.85 / 41
p0 7909 ± 4607
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −720.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

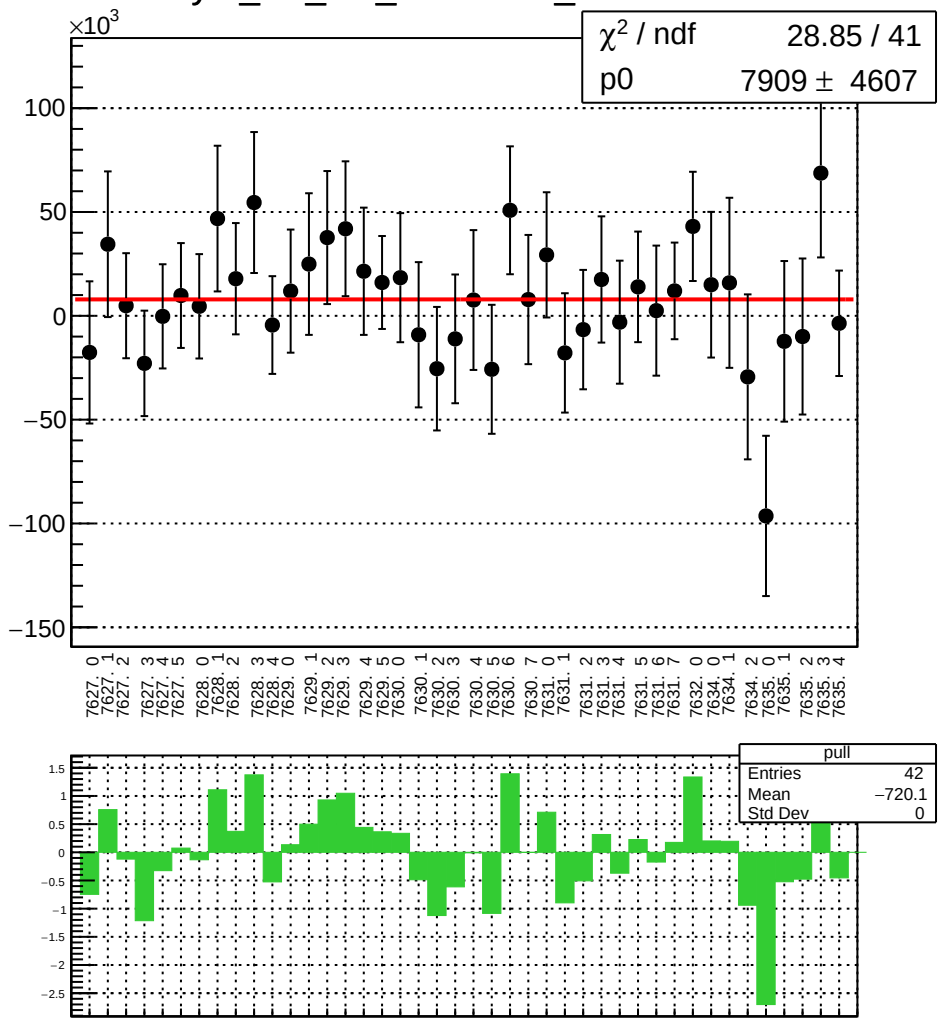

pull1D
Entries 42
Mean 0.001852
Std Dev 0.8287
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

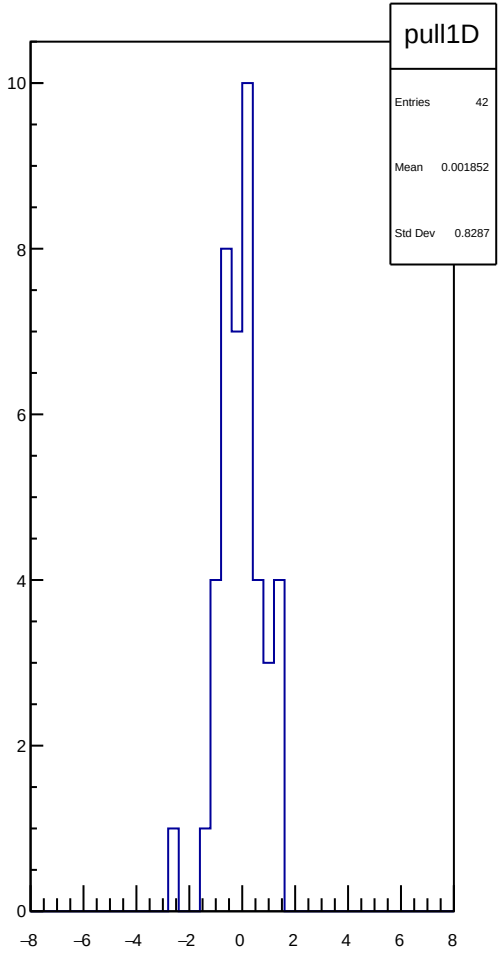

asym_usl_reg_correction_rms vs run
χ² / ndf 1.349e+04 / 41
p0 2939 ± 3.257
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

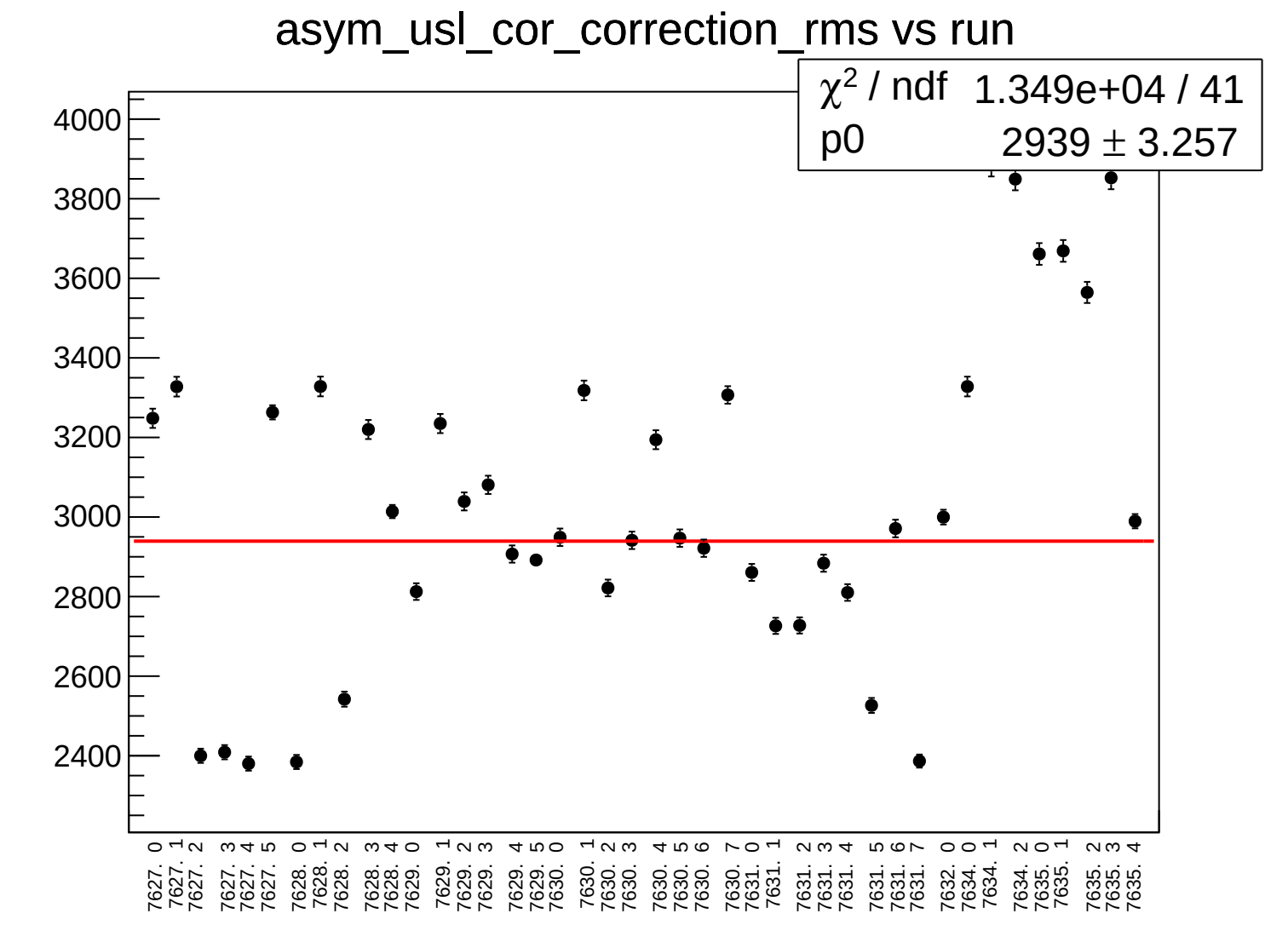

cor_asym_usl_mean vs run
χ² / ndf 49.31 / 41
p0 −1281 ± 1859
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −104.1
Std Dev 0
3
2
1
0
−1
−2

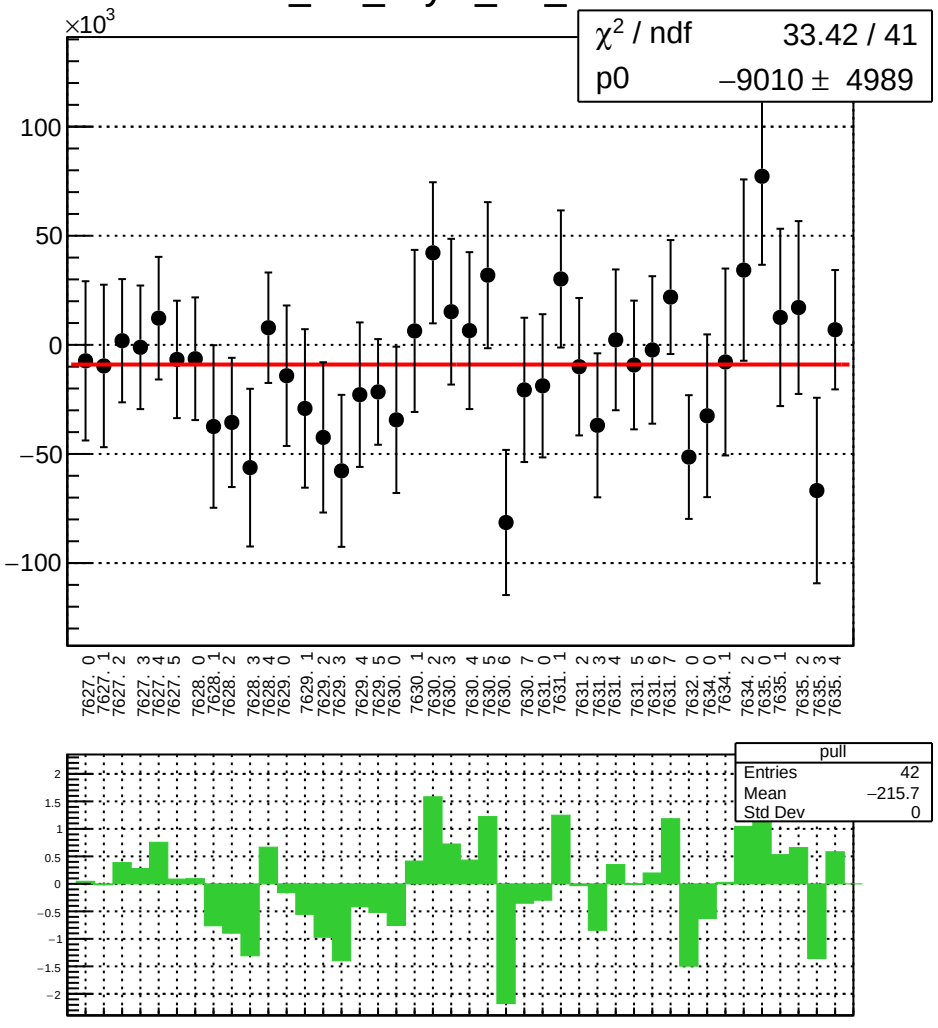

pull1D
Entries 42
Mean −0.006108
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

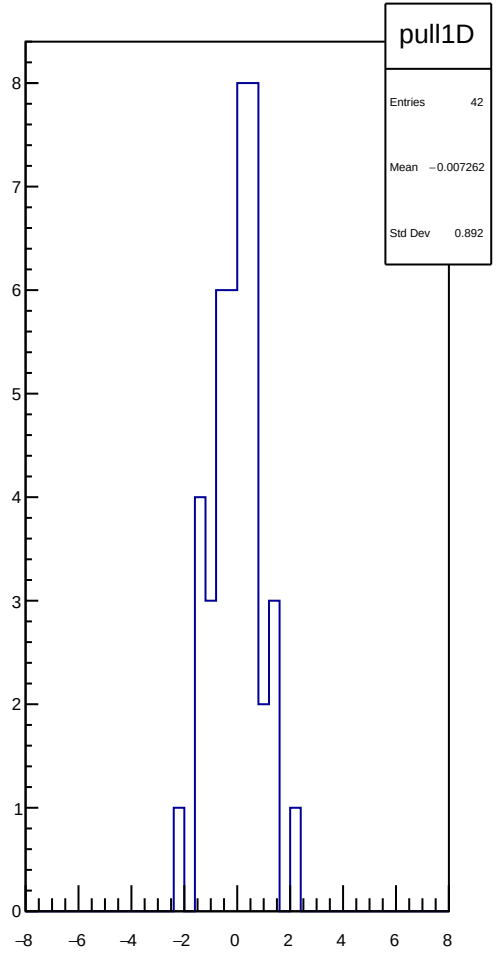

cor_asym_usl_rms vs run
χ² / ndf 68.58 / 41
p0 1196 ± 1.315
1240
1230
1220
1210
1200
1190
1180
1170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

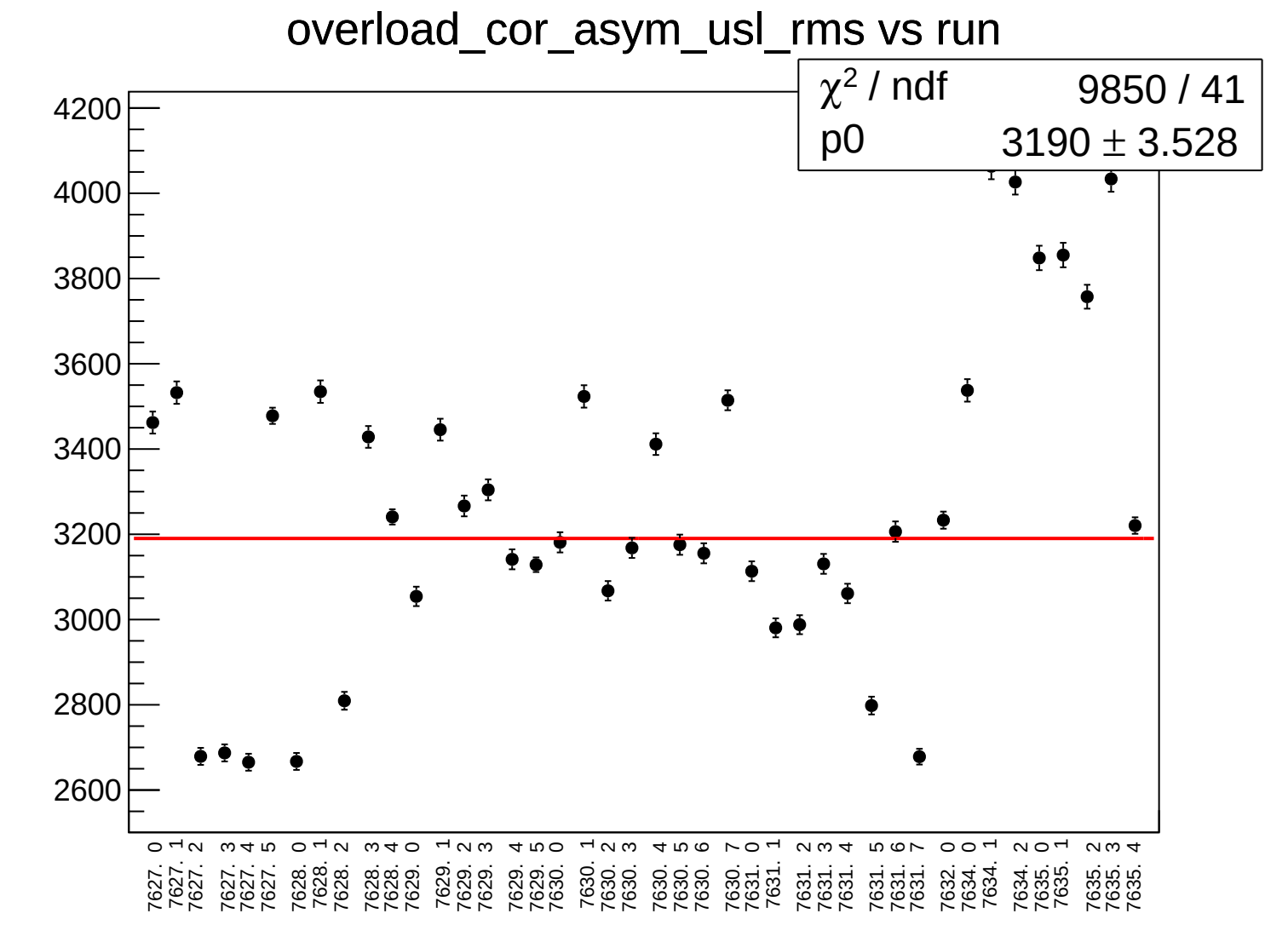

asym_usl_cor_correction_mean vs run
×10^3
χ² / ndf 28.85 / 41
p0 7909 ± 4607
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −720.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

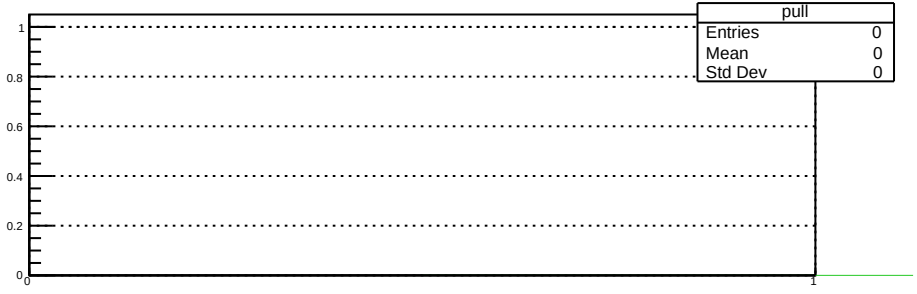

pull1D
Entries 42
Mean 0.001852
Std Dev 0.8287
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

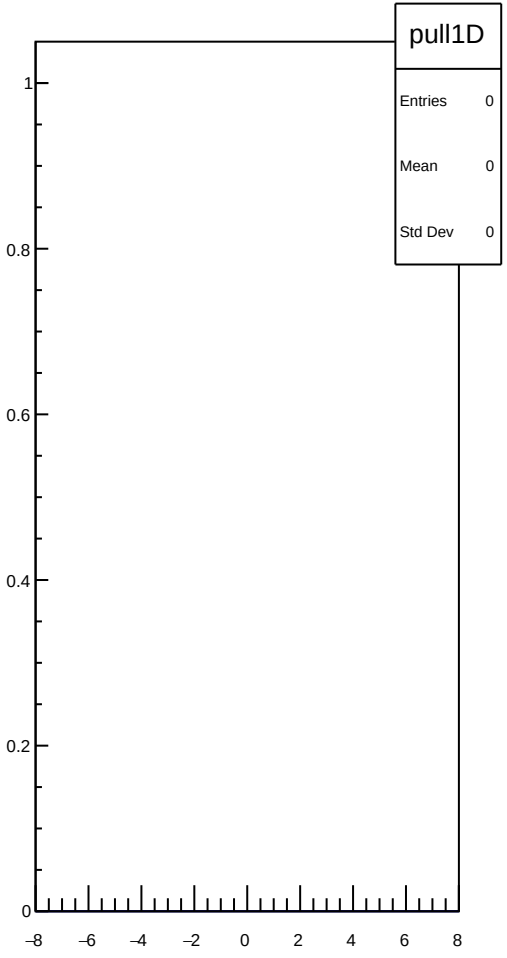

asym_usl_cor_correction_rms vs run
χ² / ndf 1.349e+04 / 41
p0 2939 ± 3.257
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

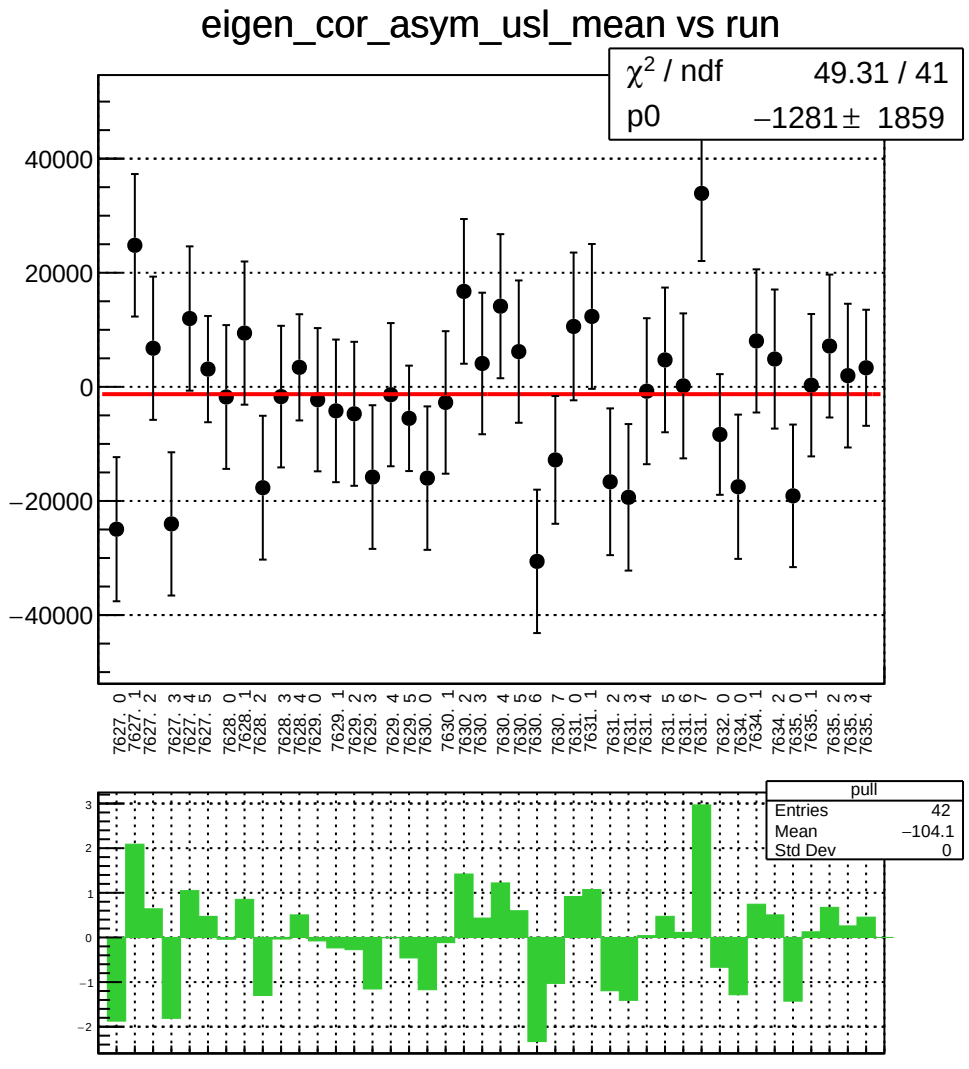

overload_cor_asym_usl_mean vs run
χ² / ndf 33.42 / 41
p0 −9010 ± 4989
×10³
100
50
0
−50
−100
pull
Entries 42
Mean −215.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

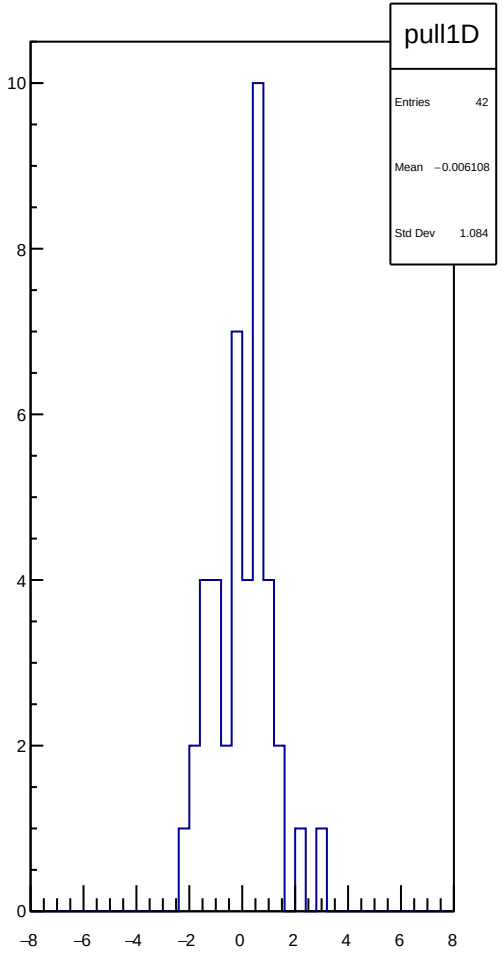

pull1D
Entries 42
Mean −0.007262
Std Dev 0.892
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

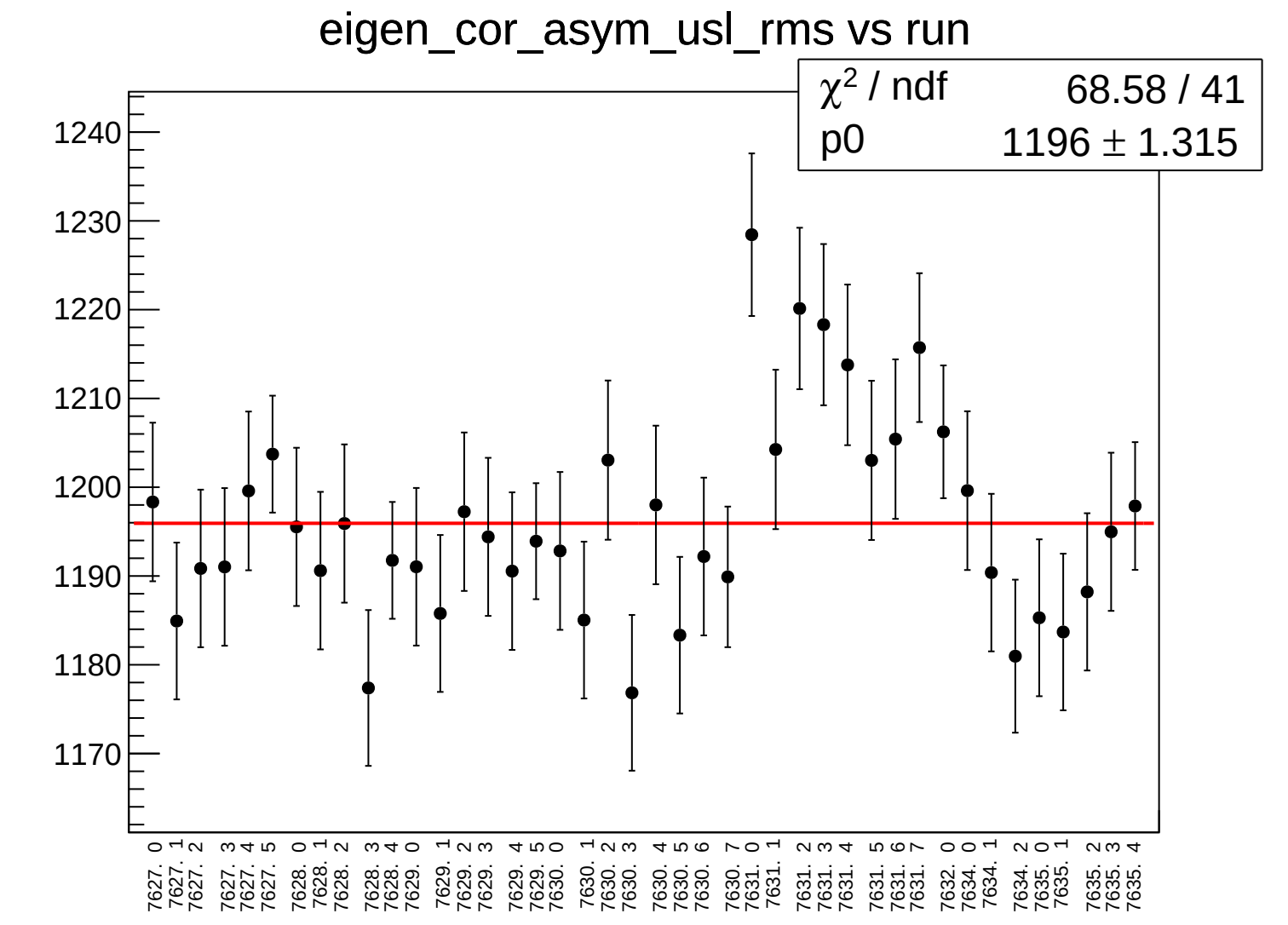

overload_cor_asym_usl_rms vs run
χ² / ndf 9850 / 41
p0 3190 ± 3.528
4200
4000
3800
3600
3400
3200
3000
2800
2600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

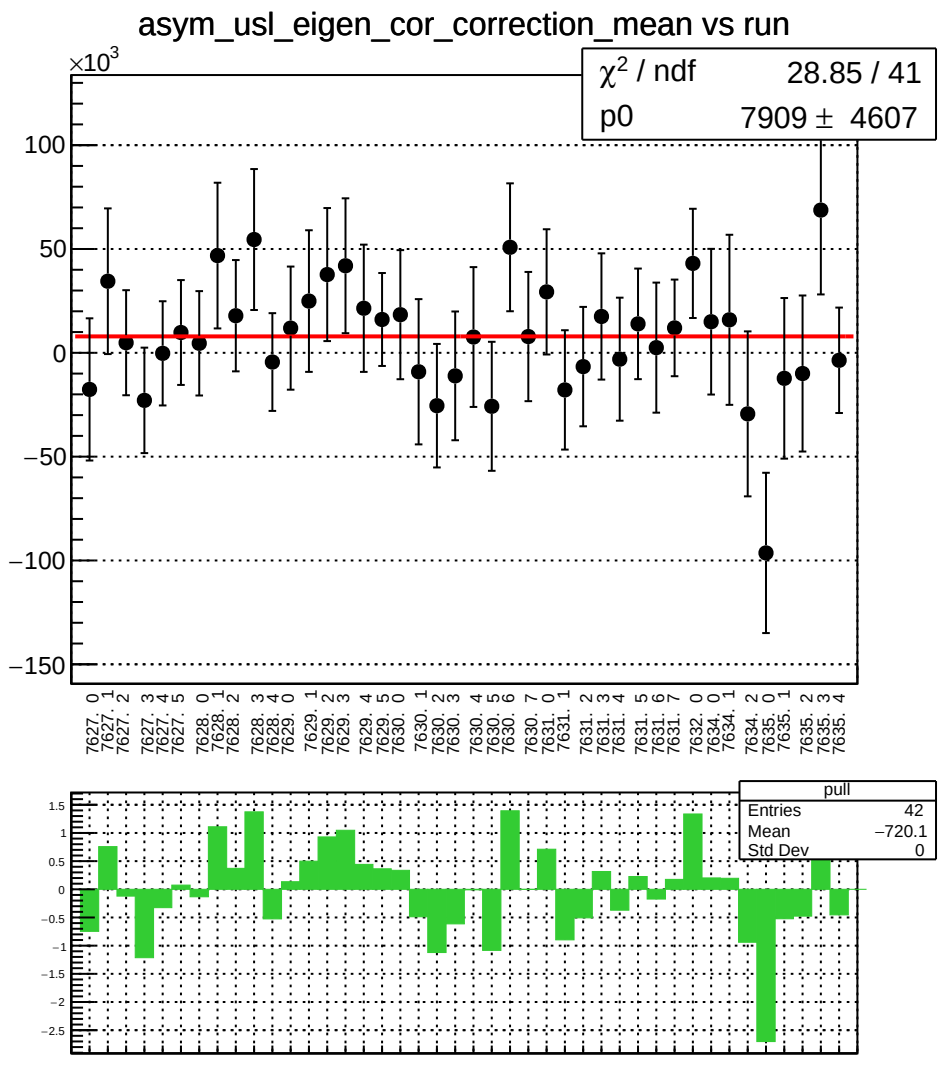

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

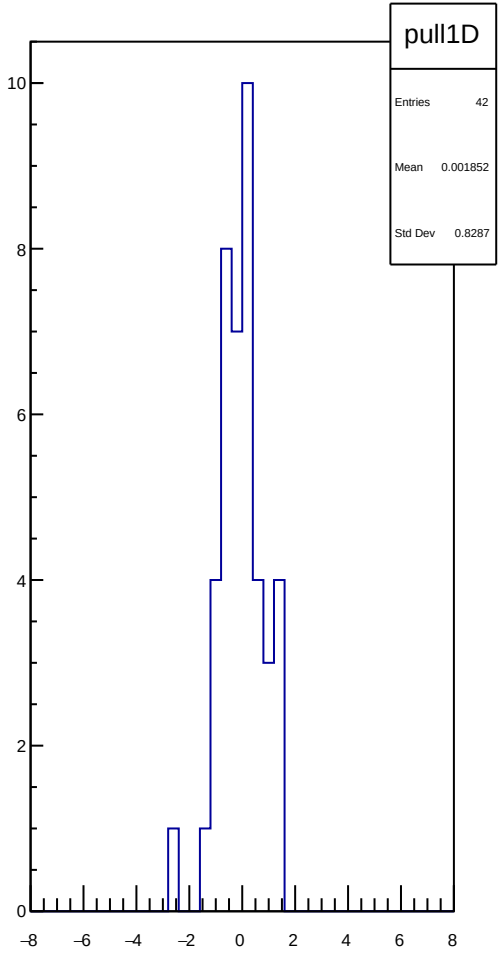

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

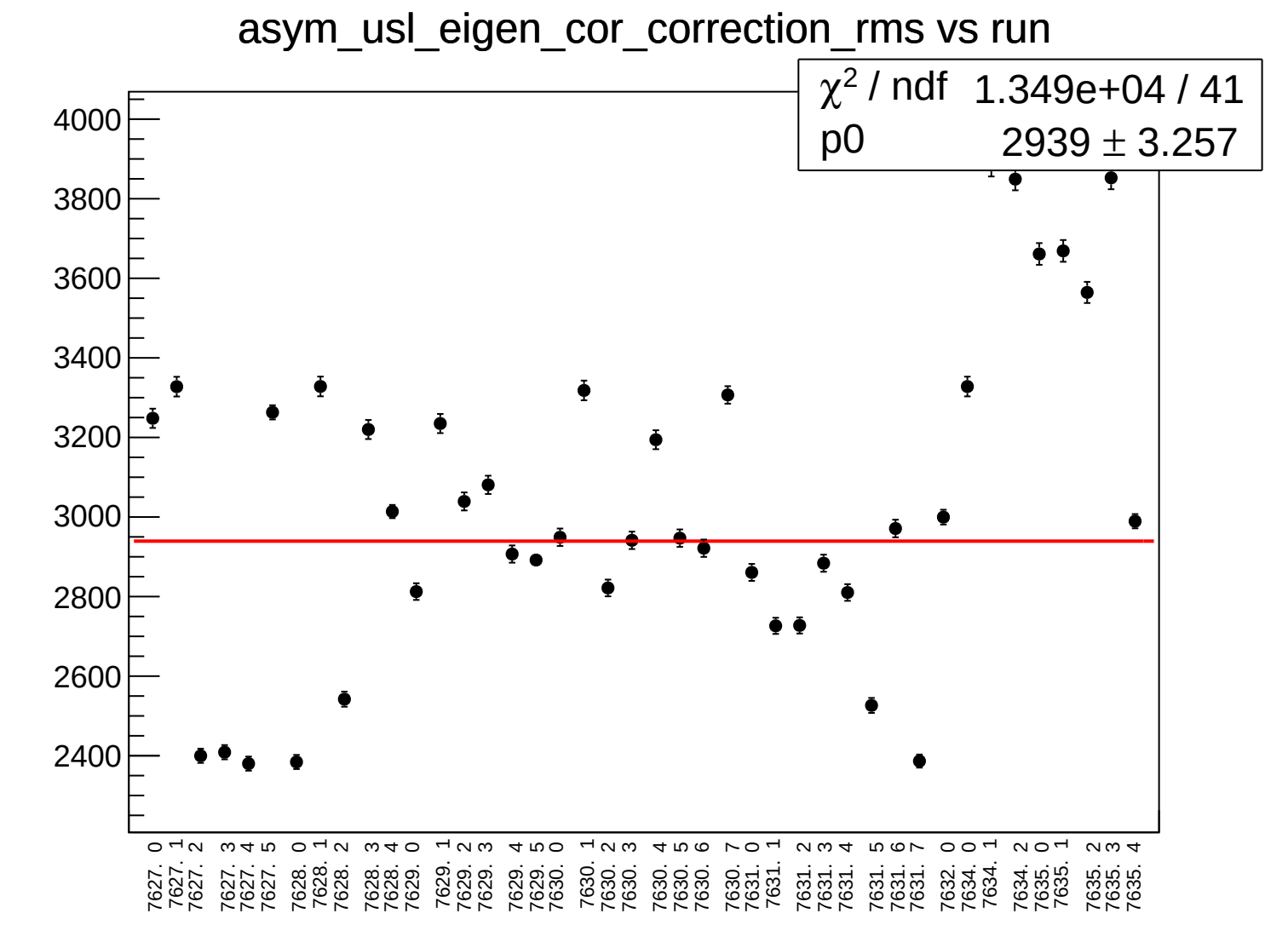

eigen_cor_asym_usl_mean vs run
χ² / ndf 49.31 / 41
p0 −1281 ± 1859
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −104.1
Std Dev 0
3
2
1
0
−1
−2

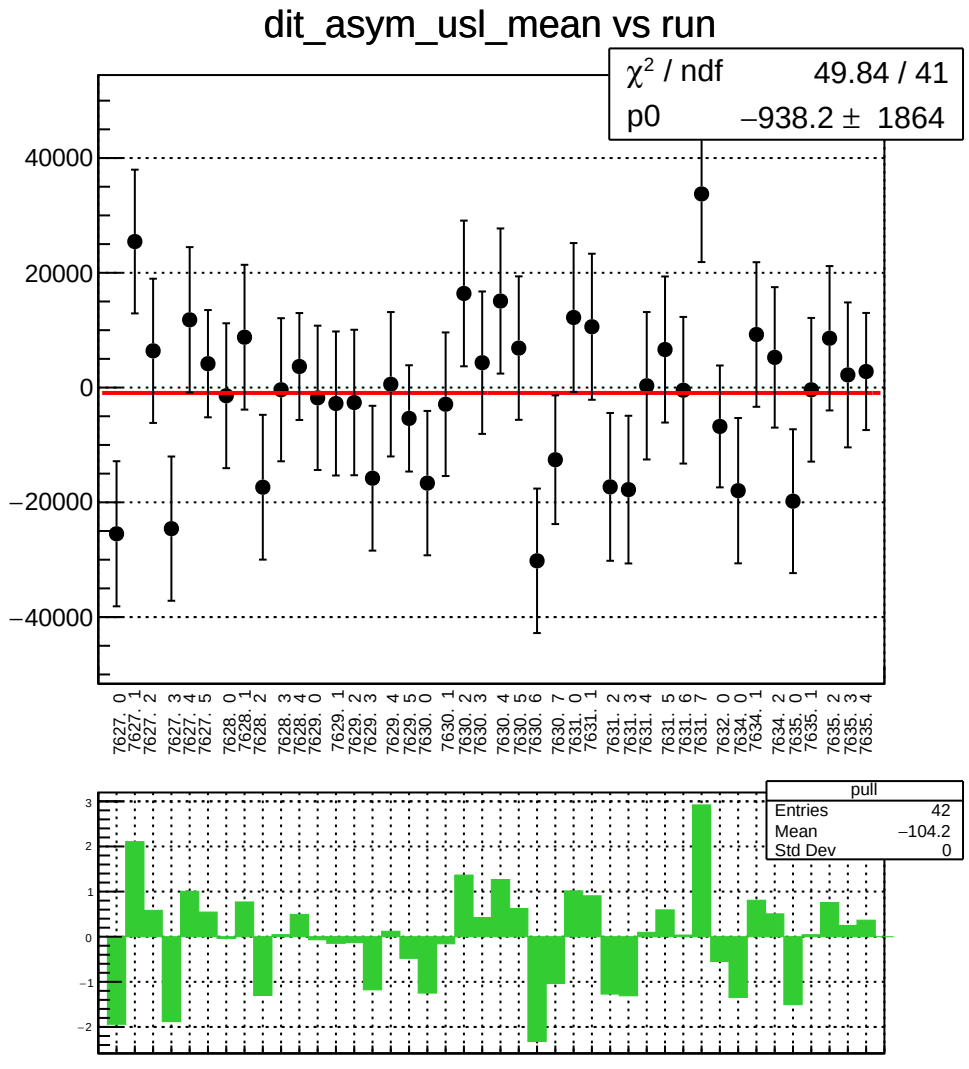

pull1D
Entries 42
Mean −0.006108
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

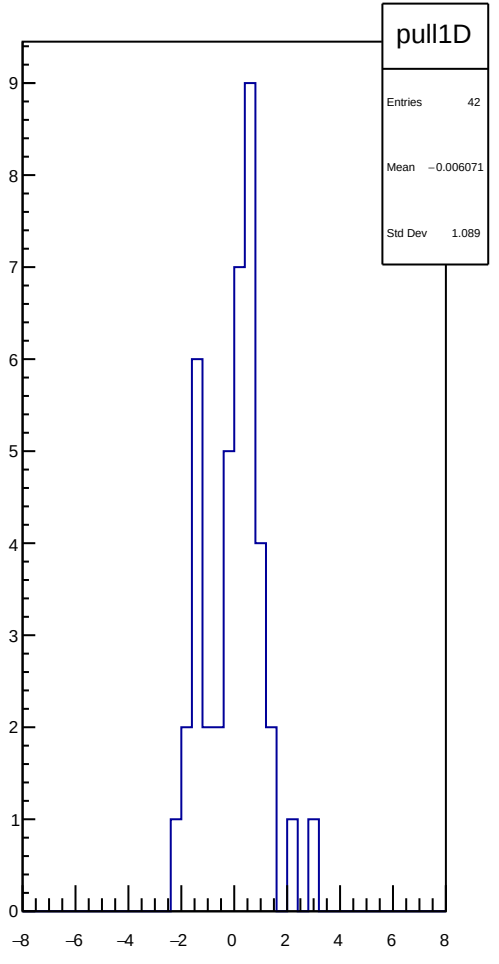

eigen_cor_asym_usl_rms vs run
χ² / ndf 68.58 / 41
p0 1196 ± 1.315
1240
1230
1220
1210
1200
1190
1180
1170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

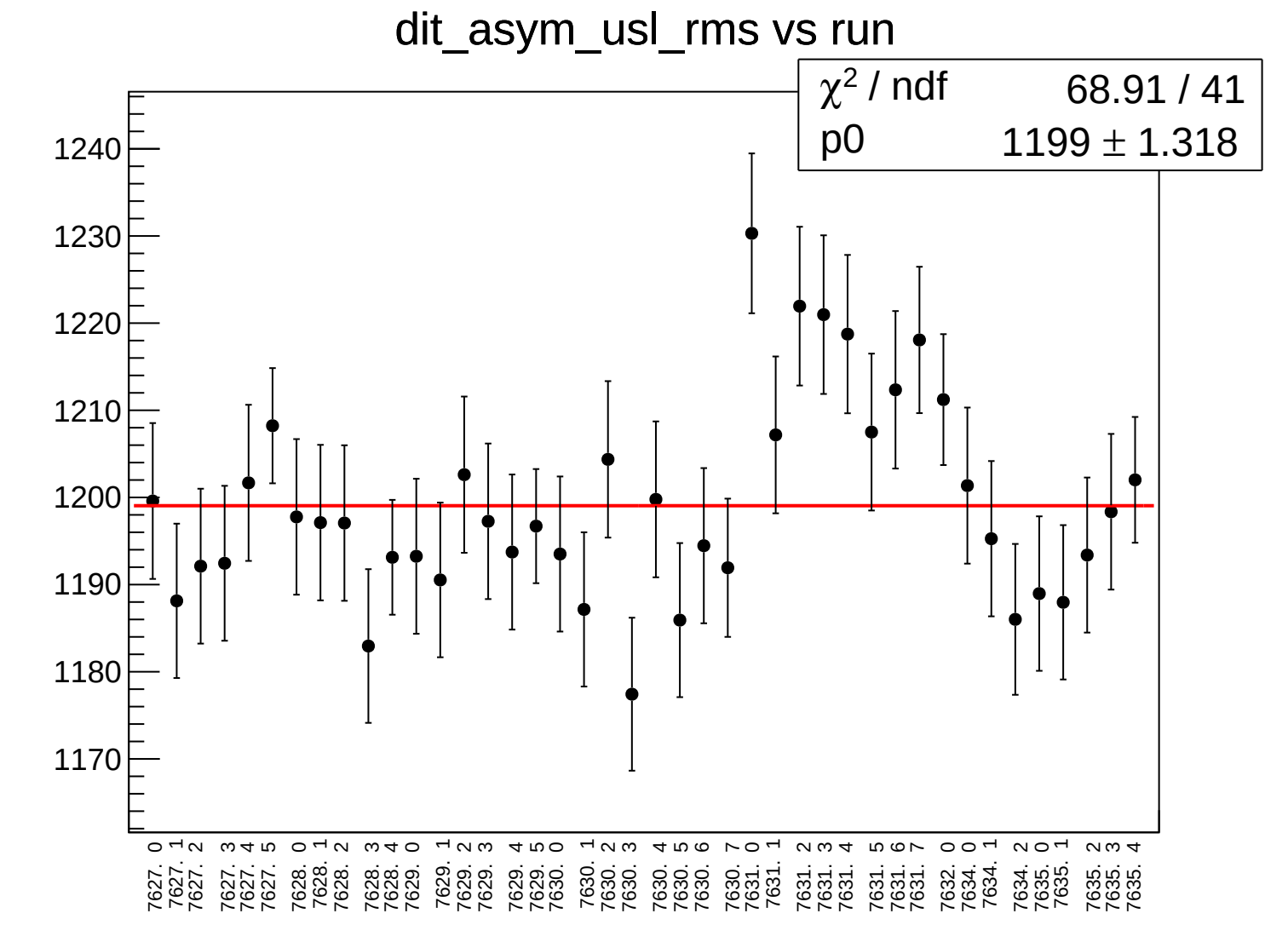

asym_usl_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.85 / 41
p0 7909 ± 4607
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −720.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

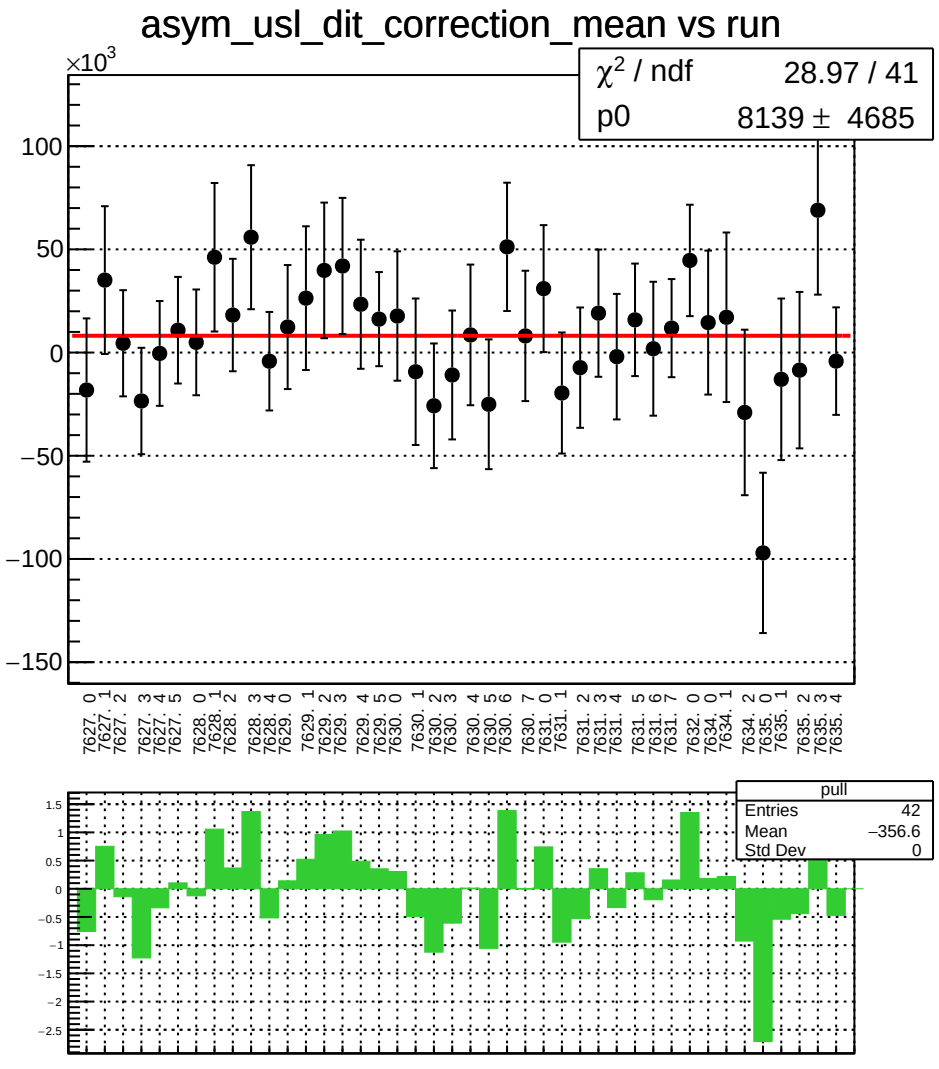

pull1D
Entries 42
Mean 0.001852
Std Dev 0.8287
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

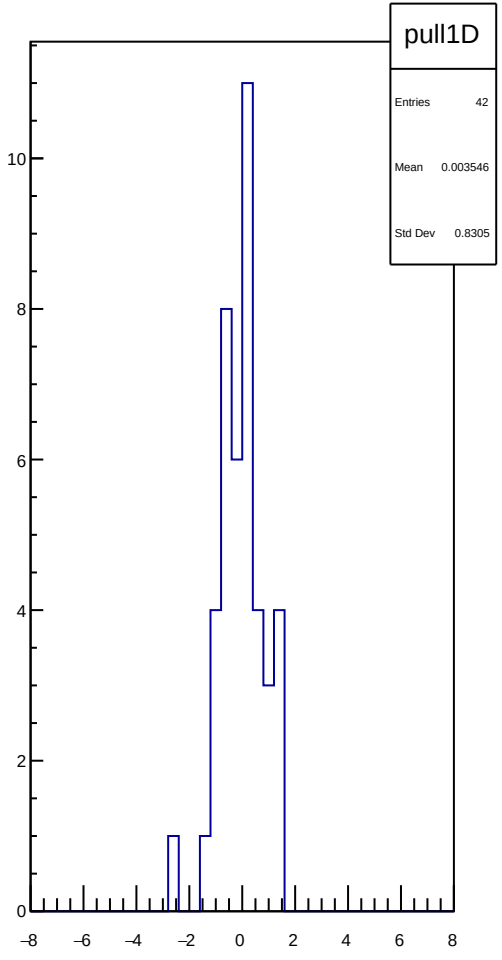

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 1.349e+04 / 41
p0 2939 ± 3.257
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

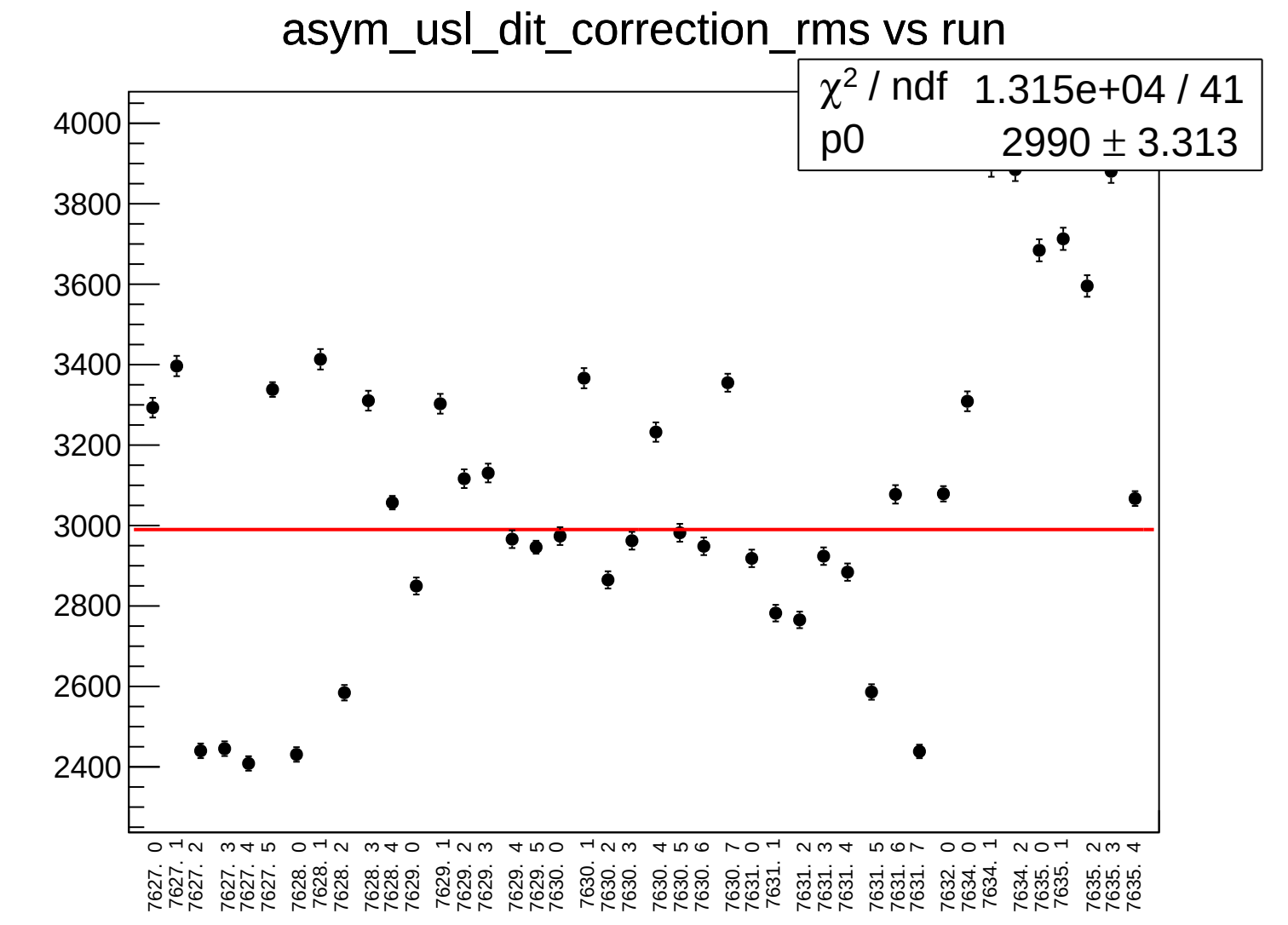

dit_asym_usl_mean vs run
χ² / ndf 49.84 / 41
p0 −938.2 ± 1864
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −104.2
Std Dev 0
3
2
1
0
−1
−2

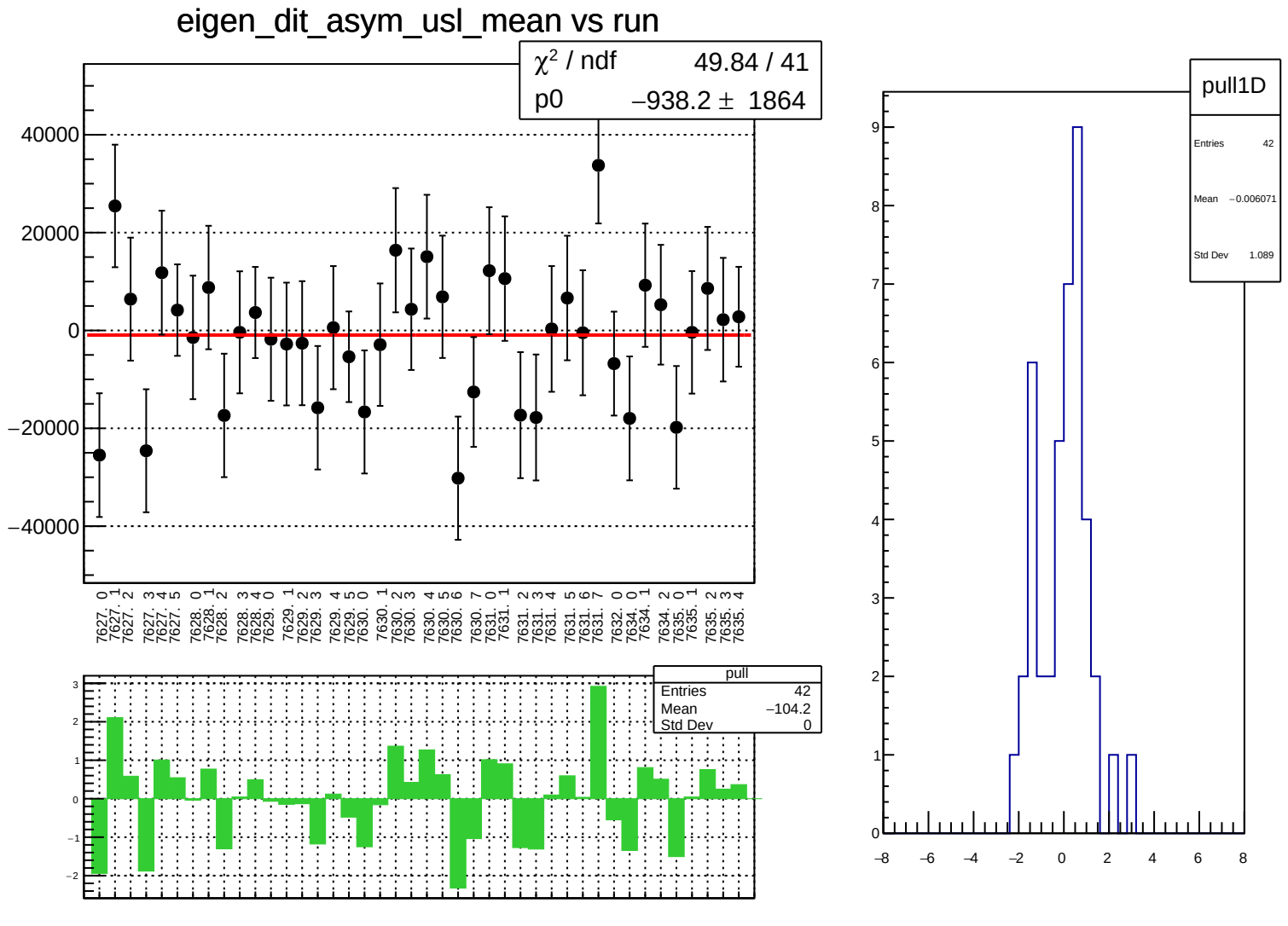

pull1D
Entries 42
Mean −0.006071
Std Dev 1.089
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

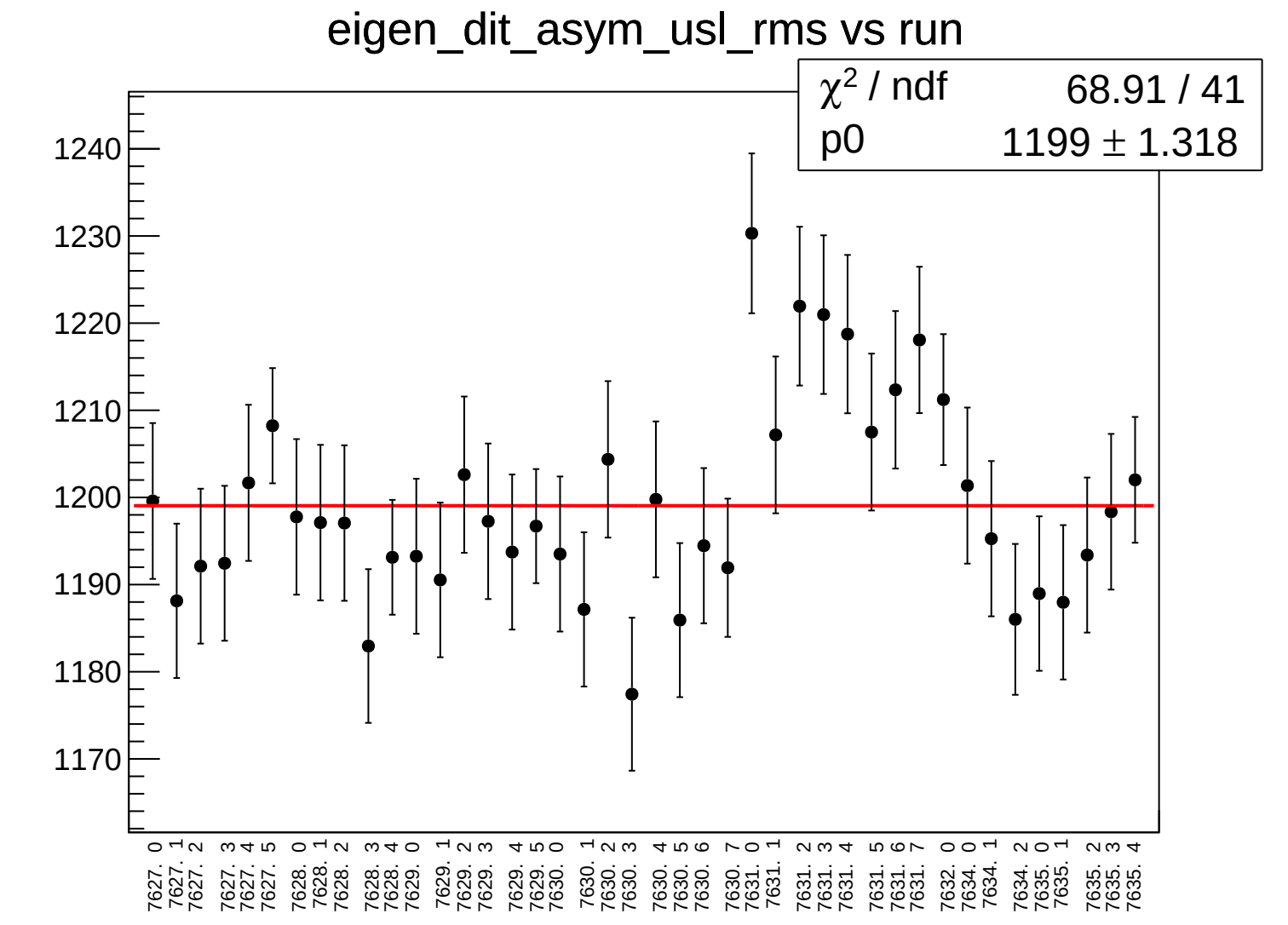

dit_asym_usl_rms vs run
χ² / ndf 68.91 / 41
p0 1199 ± 1.318
1240
1230
1220
1210
1200
1190
1180
1170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

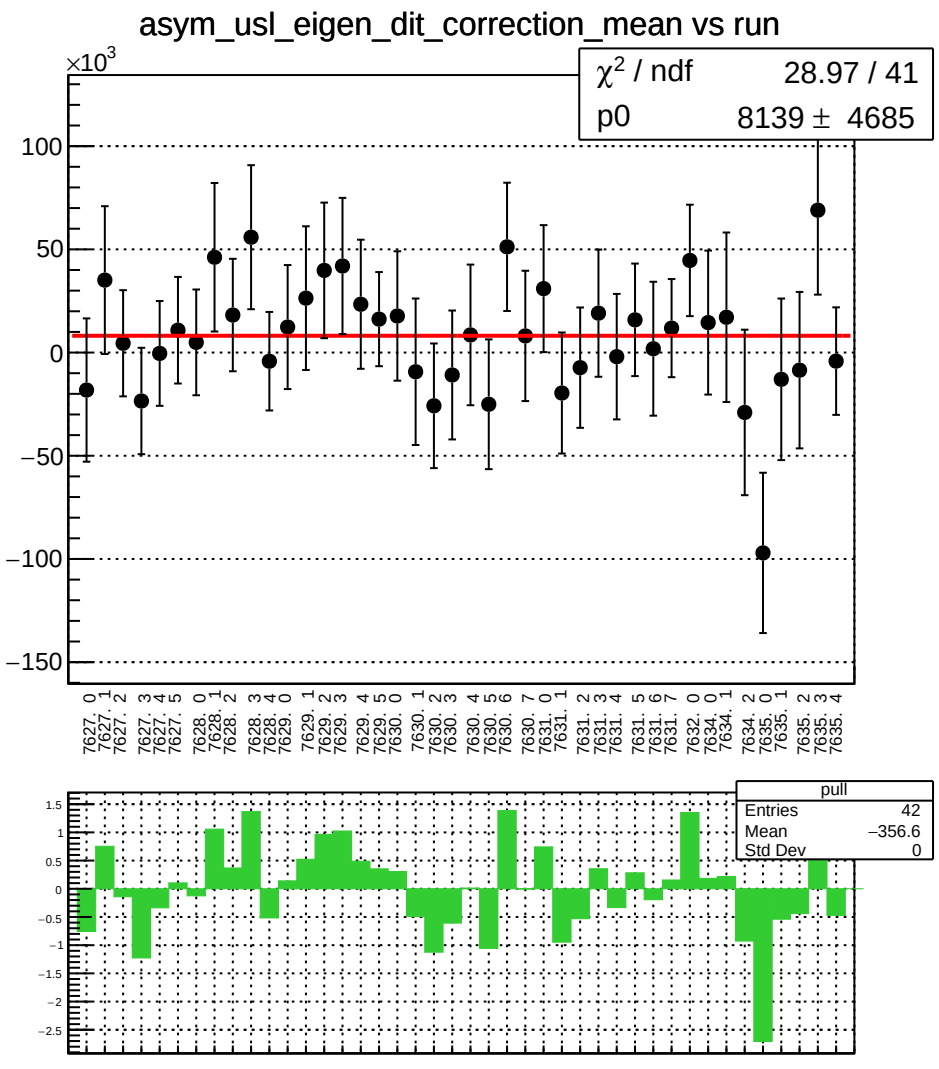

asym_usl_dit_correction_mean vs run
×10^3
χ² / ndf 28.97 / 41
p0 8139 ± 4685
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −356.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

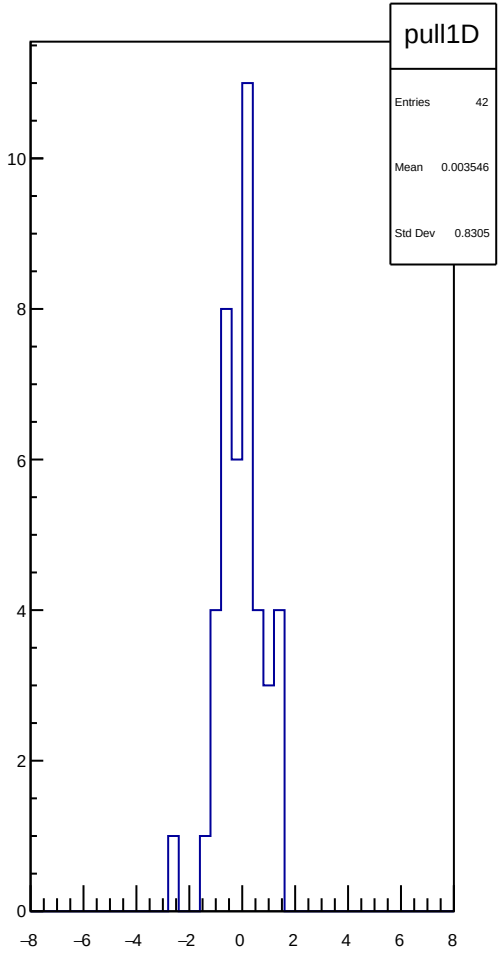

pull1D
Entries 42
Mean 0.003546
Std Dev 0.8305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

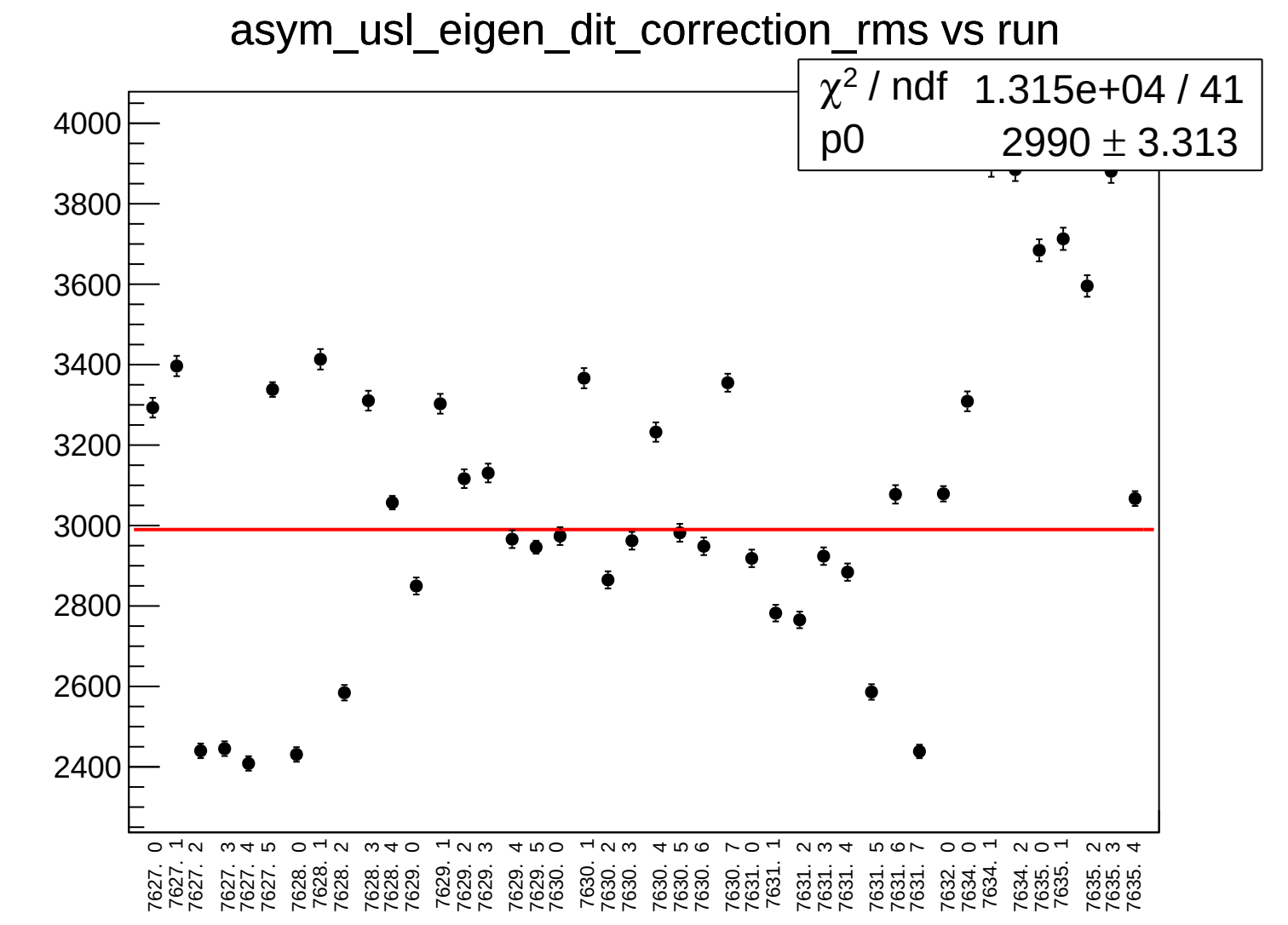

asym_usl_dit_correction_rms vs run
χ² / ndf 1.315e+04 / 41
p0 2990 ± 3.313
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

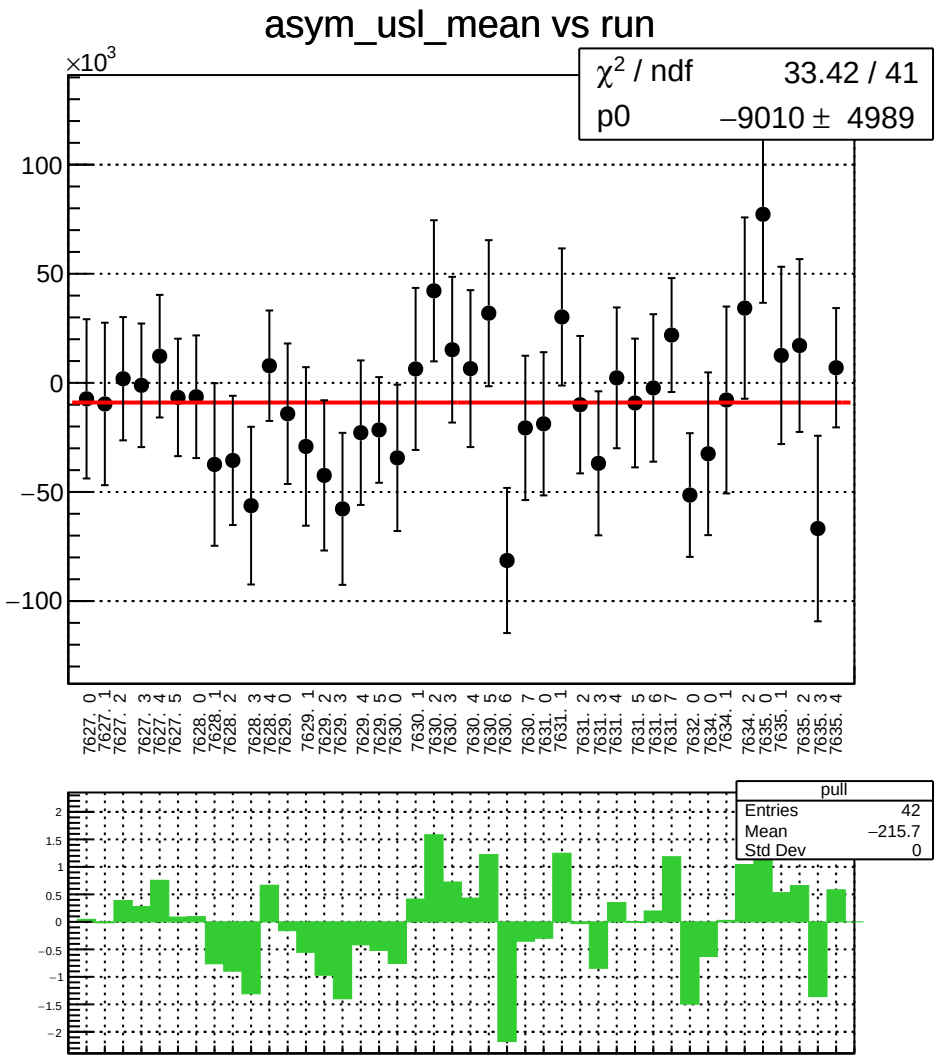

eigen_dit_asym_usl_mean vs run
χ² / ndf 49.84 / 41
p0 −938.2 ± 1864
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −104.2
Std Dev 0
pull1D
Entries 42
Mean −0.006071
Std Dev 1.089

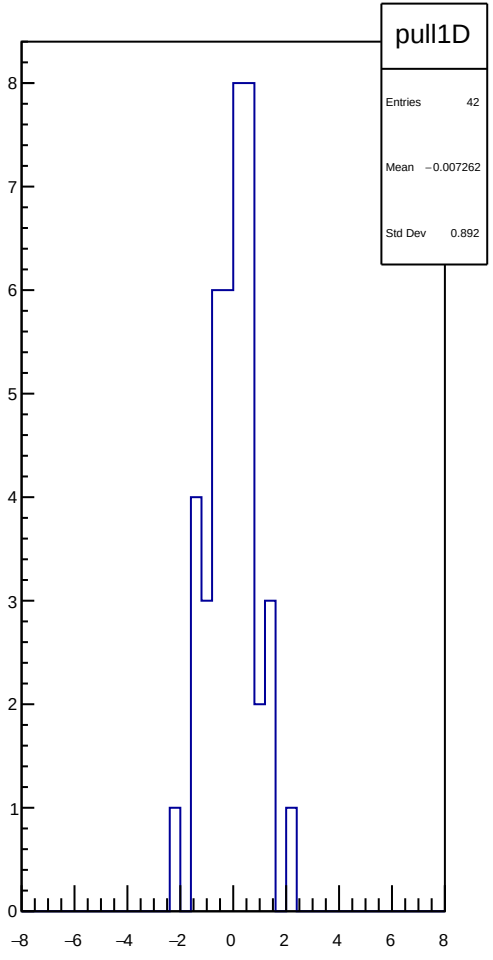

eigen_dit_asym_usl_rms vs run
χ² / ndf 68.91 / 41
p0 1199 ± 1.318
1240
1230
1220
1210
1200
1190
1180
1170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

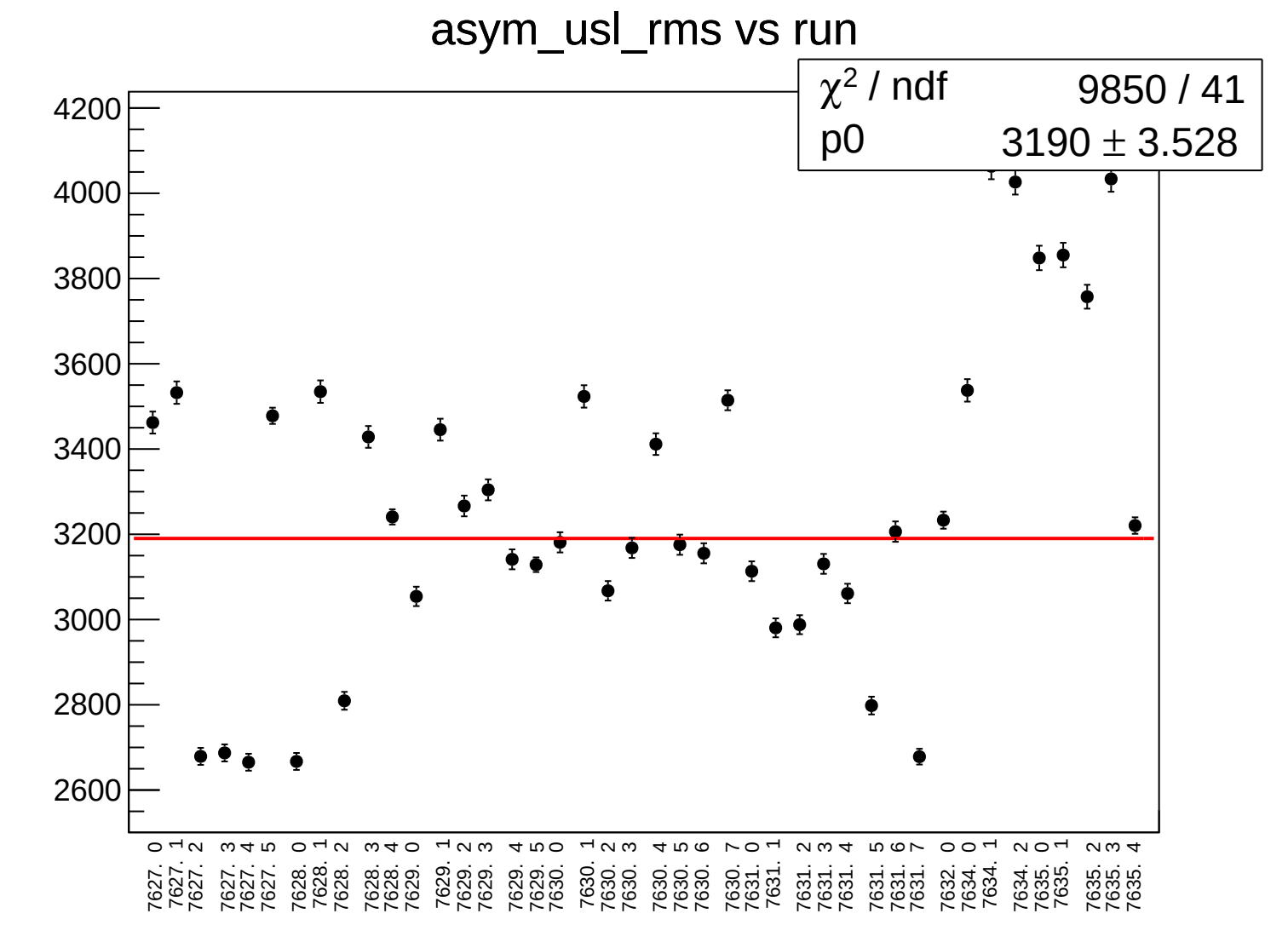

asym_usl_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.97 / 41
p0 8139 ± 4685
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −356.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

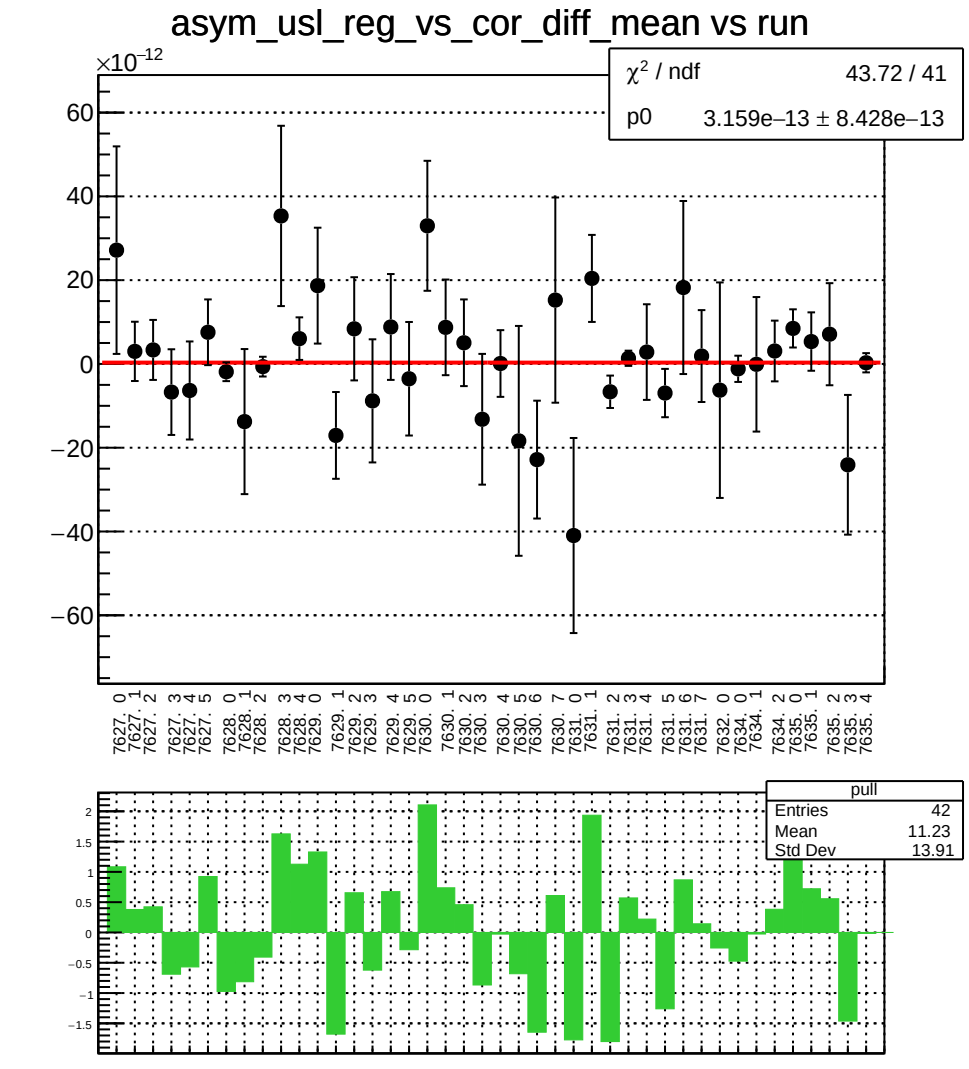

pull1D
Entries 42
Mean 0.003546
Std Dev 0.8305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

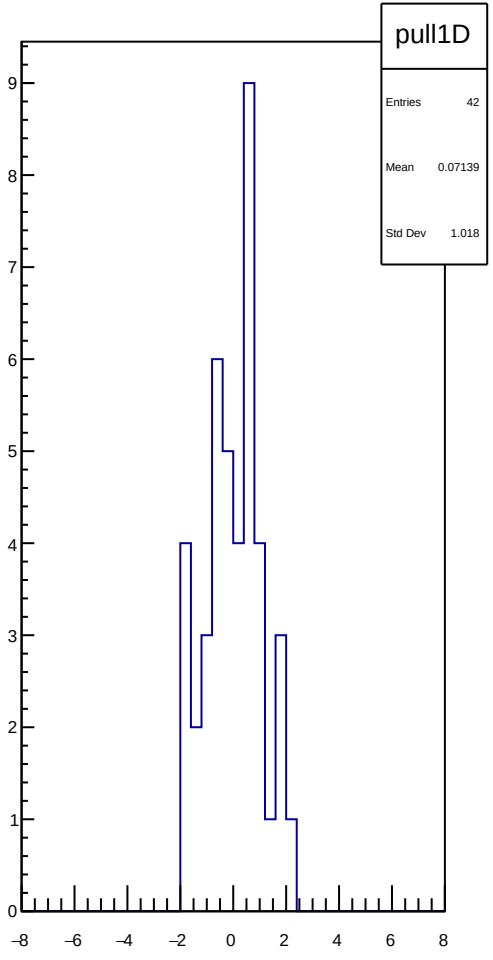

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 1.315e+04 / 41
p0 2990 ± 3.313
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

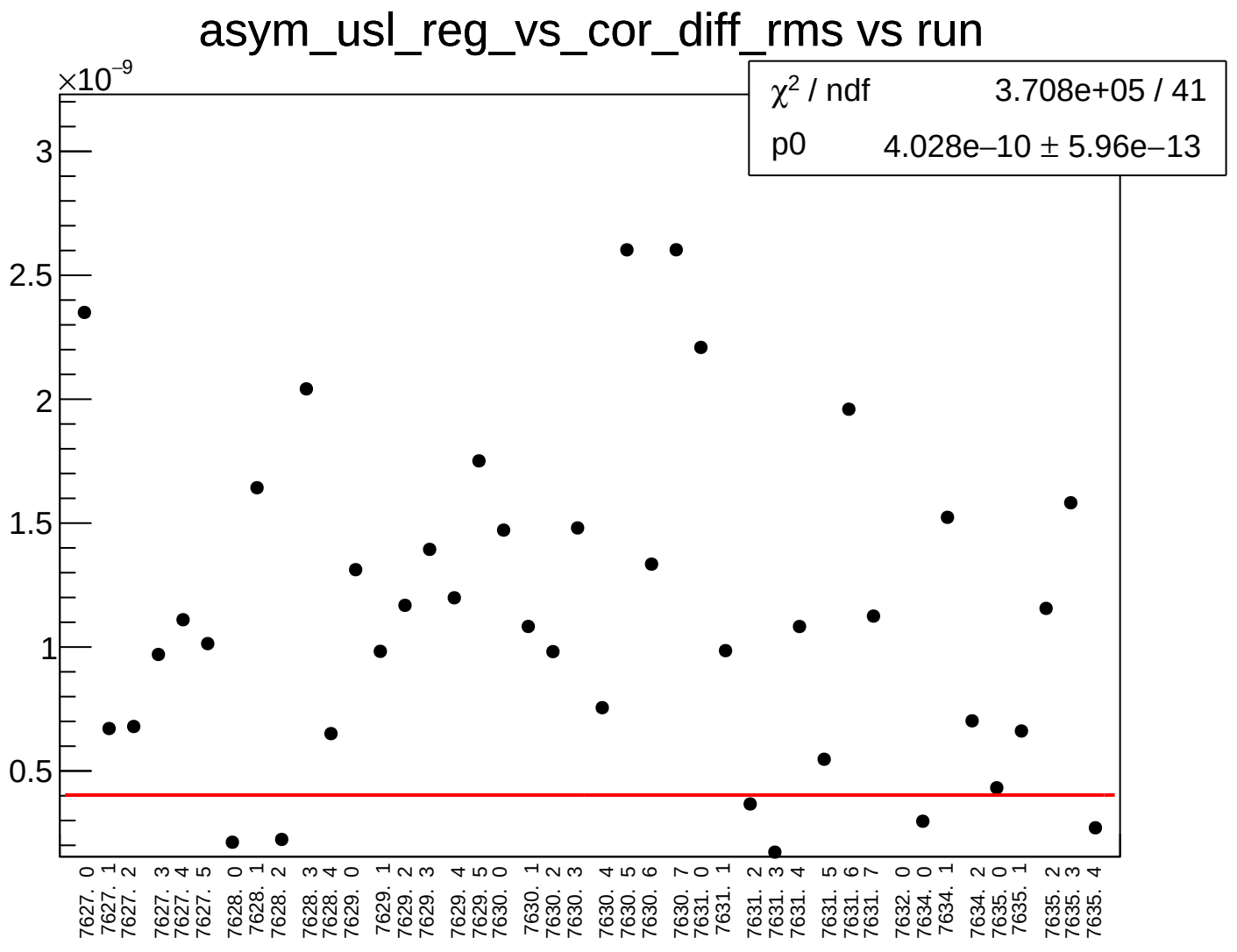

asym_usl_mean vs run
×10^3
χ^2 / ndf 33.42 / 41
p0 −9010 ± 4989
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −215.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

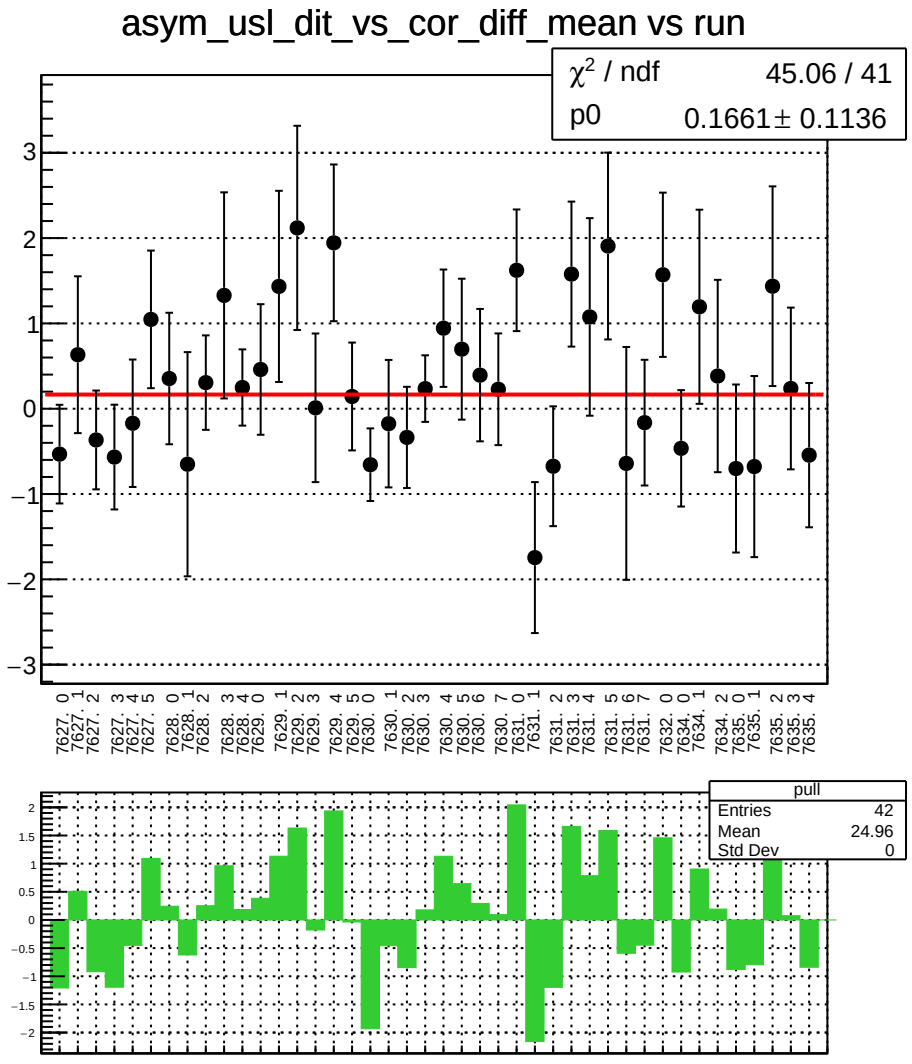

pull1D
Entries 42
Mean −0.007262
Std Dev 0.892
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

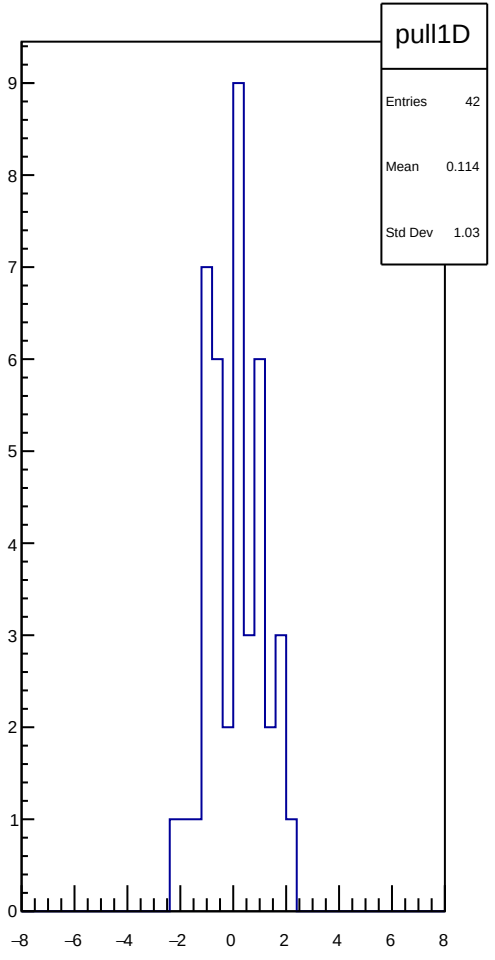

asym_usl_rms vs run
χ² / ndf 9850 / 41
p0 3190 ± 3.528
4200
4000
3800
3600
3400
3200
3000
2800
2600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

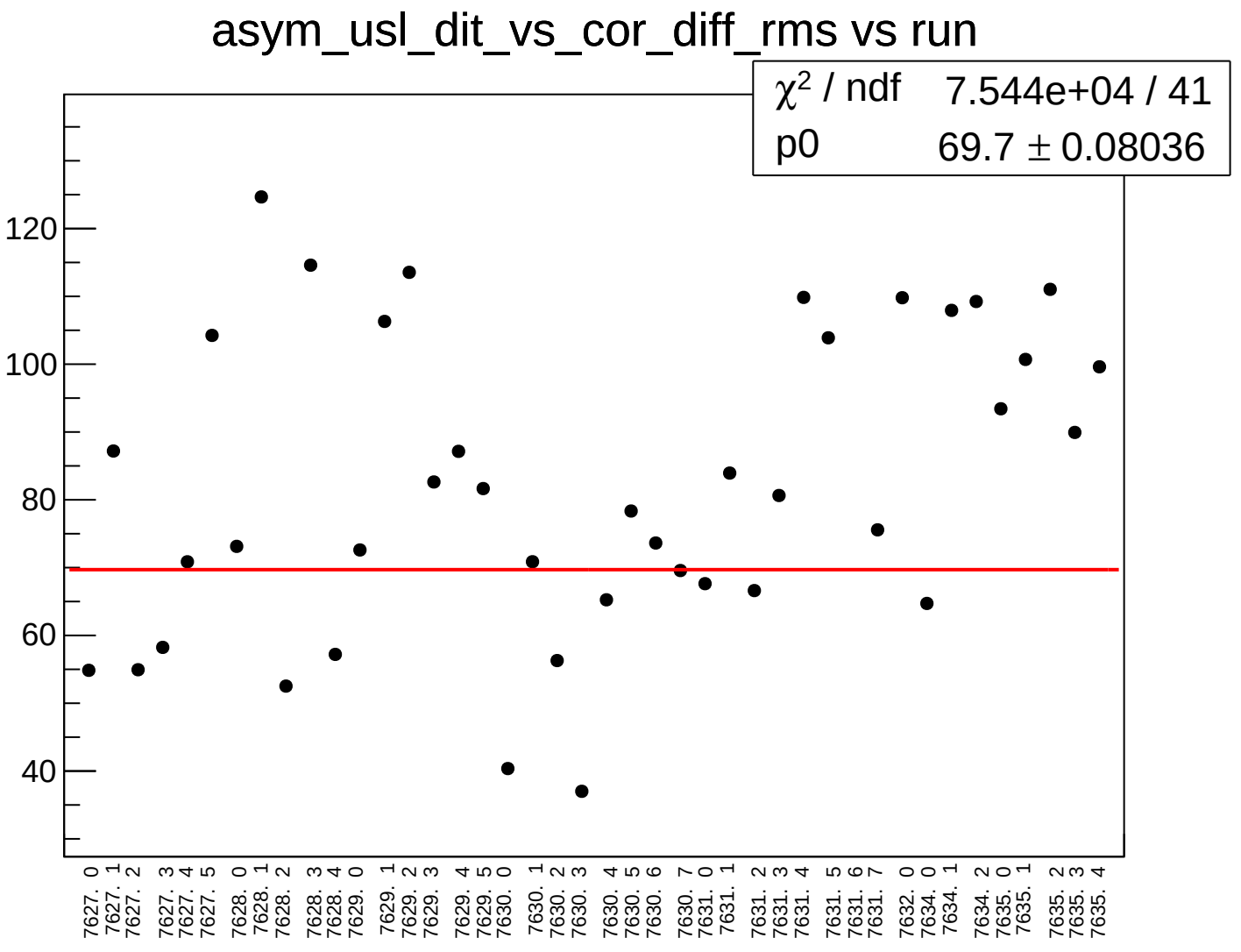

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.72 / 41
p0 3.159e−13 ± 8.428e−13
pull
Entries 42
Mean 11.23
Std Dev 13.91

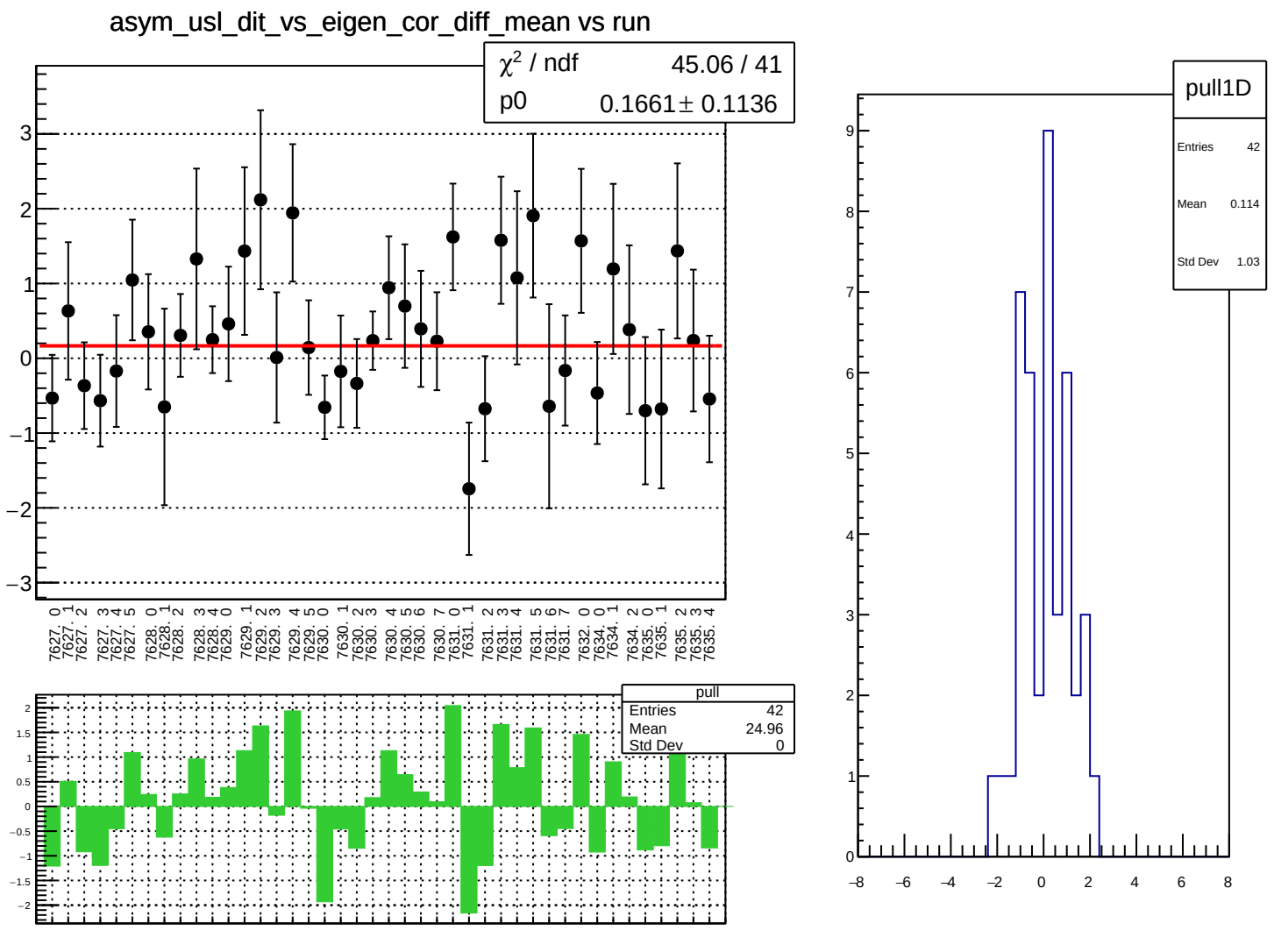

pull1D
Entries 42
Mean 0.07139
Std Dev 1.018

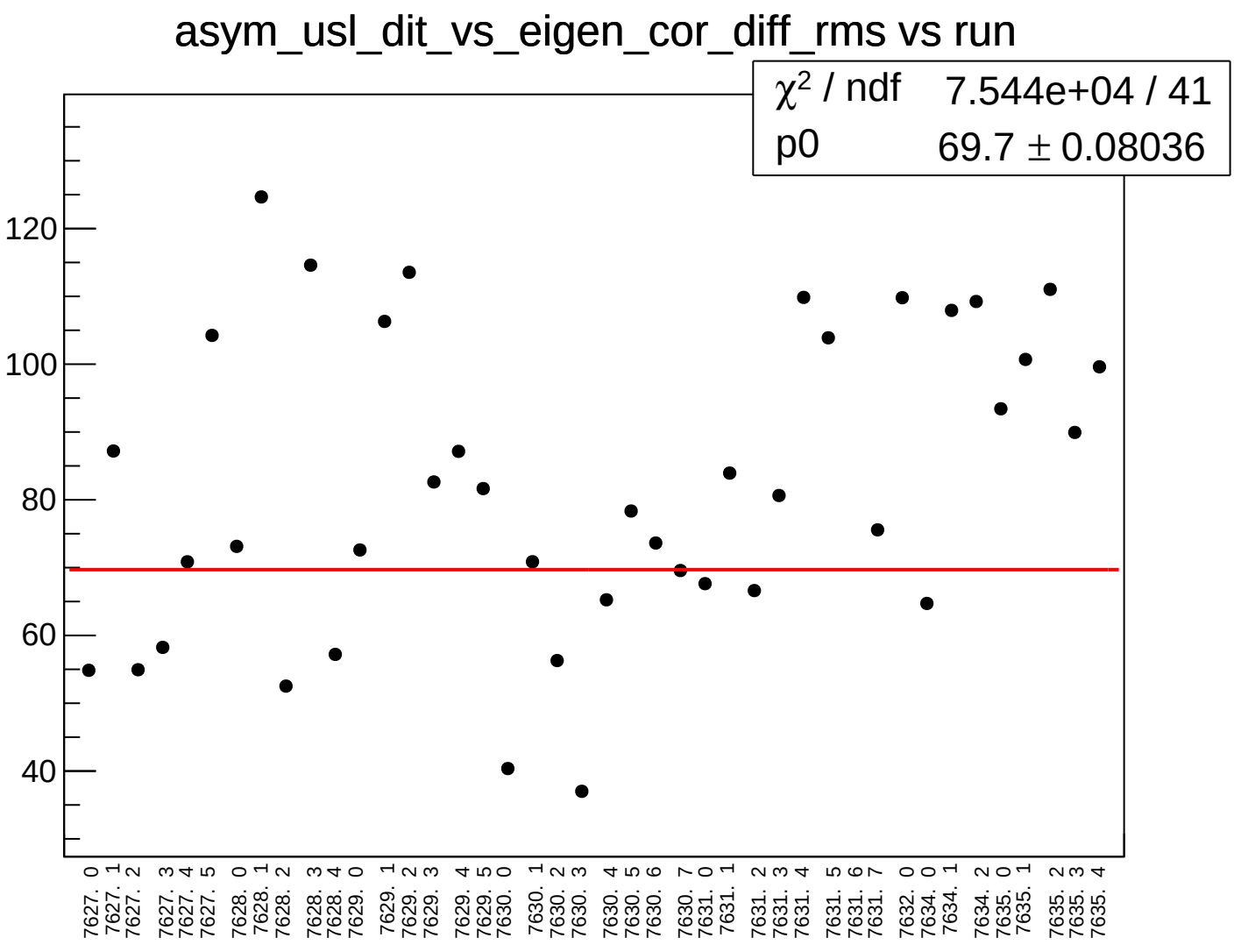

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.708e+05 / 41
p0 4.028e−10 ± 5.96e−13
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

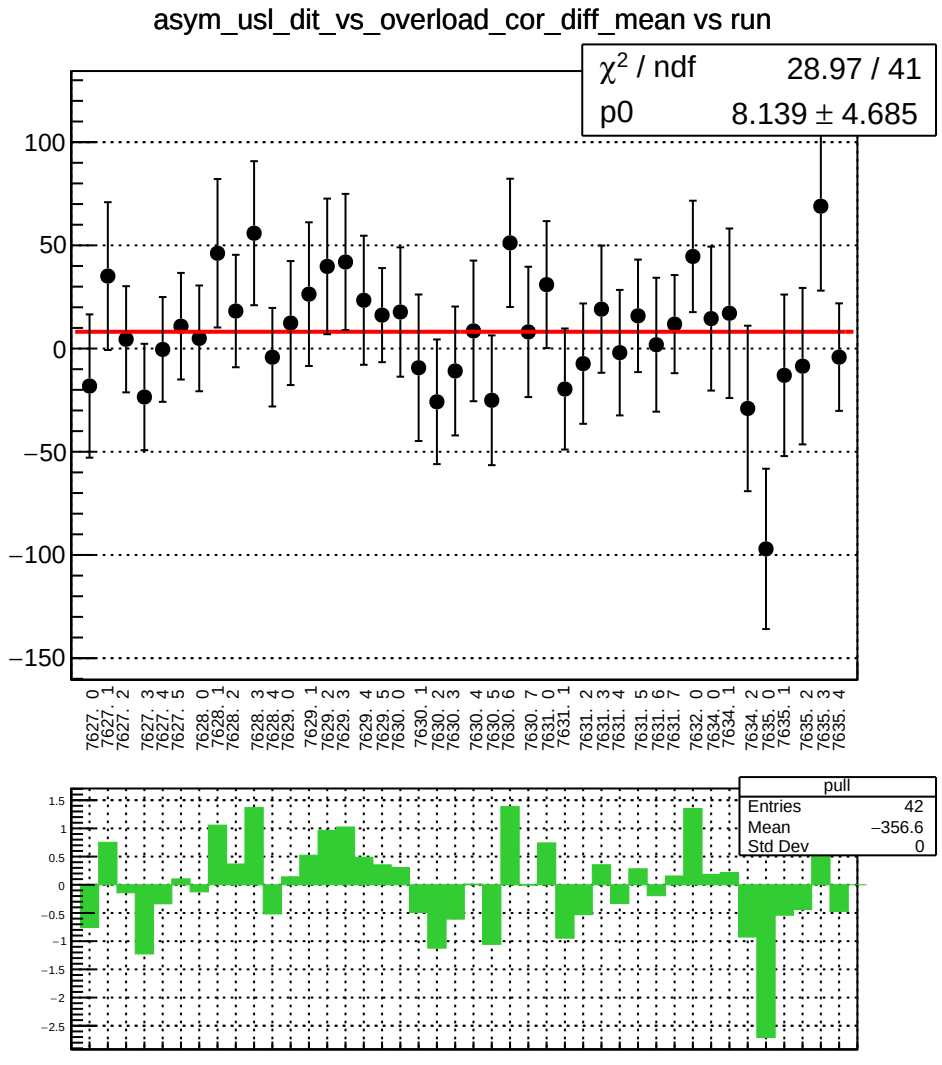

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 45.06 / 41
p0 0.1661± 0.1136
pull
Entries 42
Mean 24.96
Std Dev 0

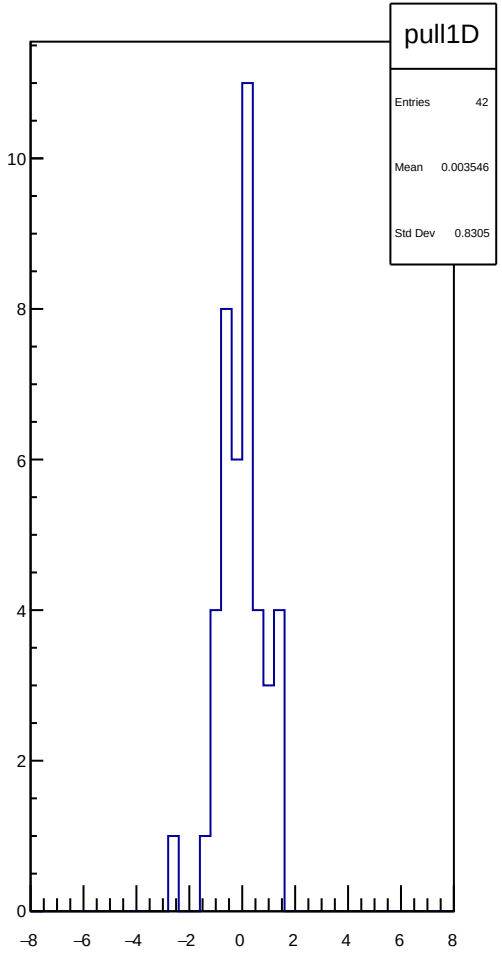

pull1D
Entries 42
Mean 0.114
Std Dev 1.03

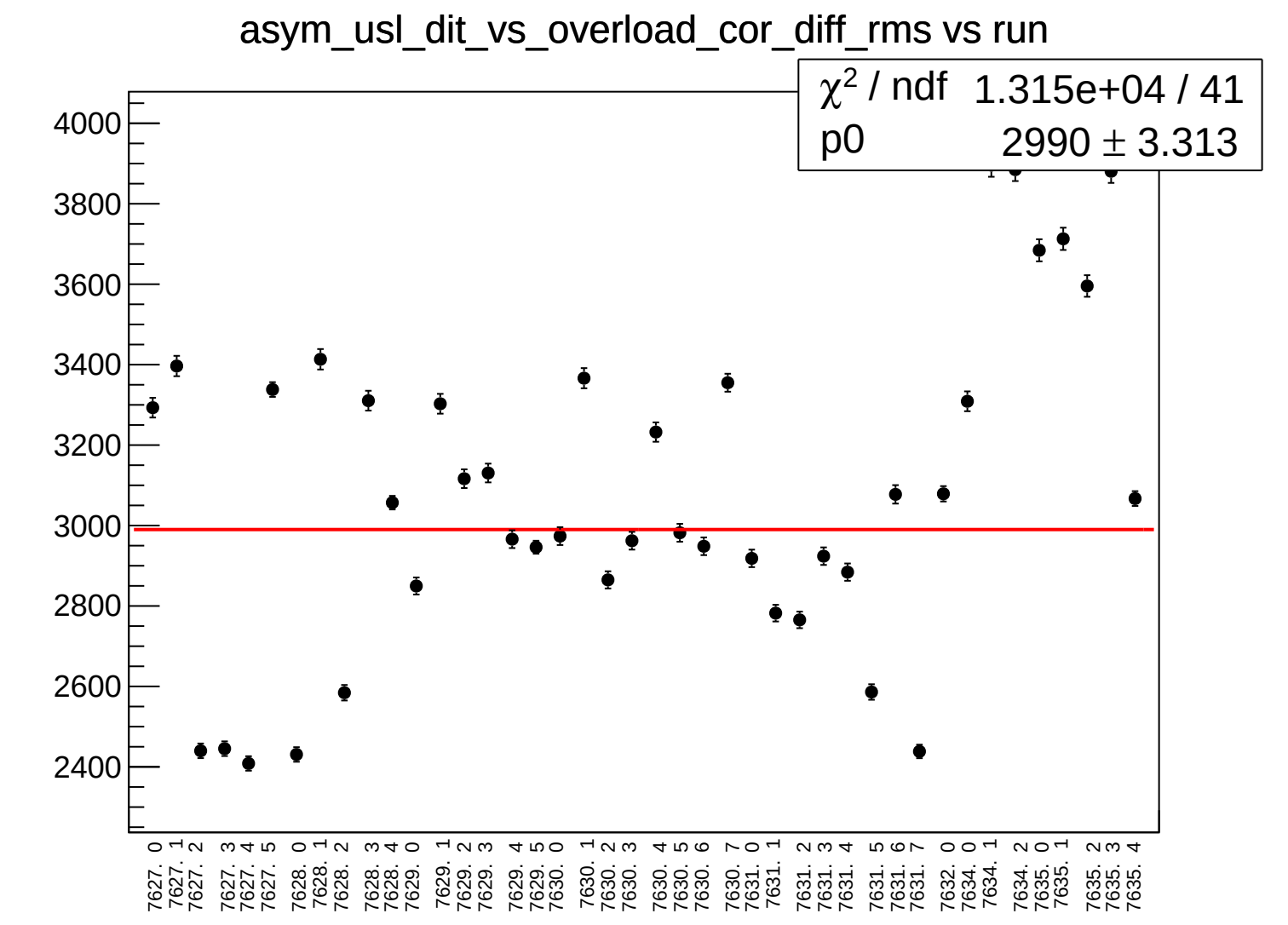

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 7.544e+04 / 41
p0 69.7 ± 0.08036
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

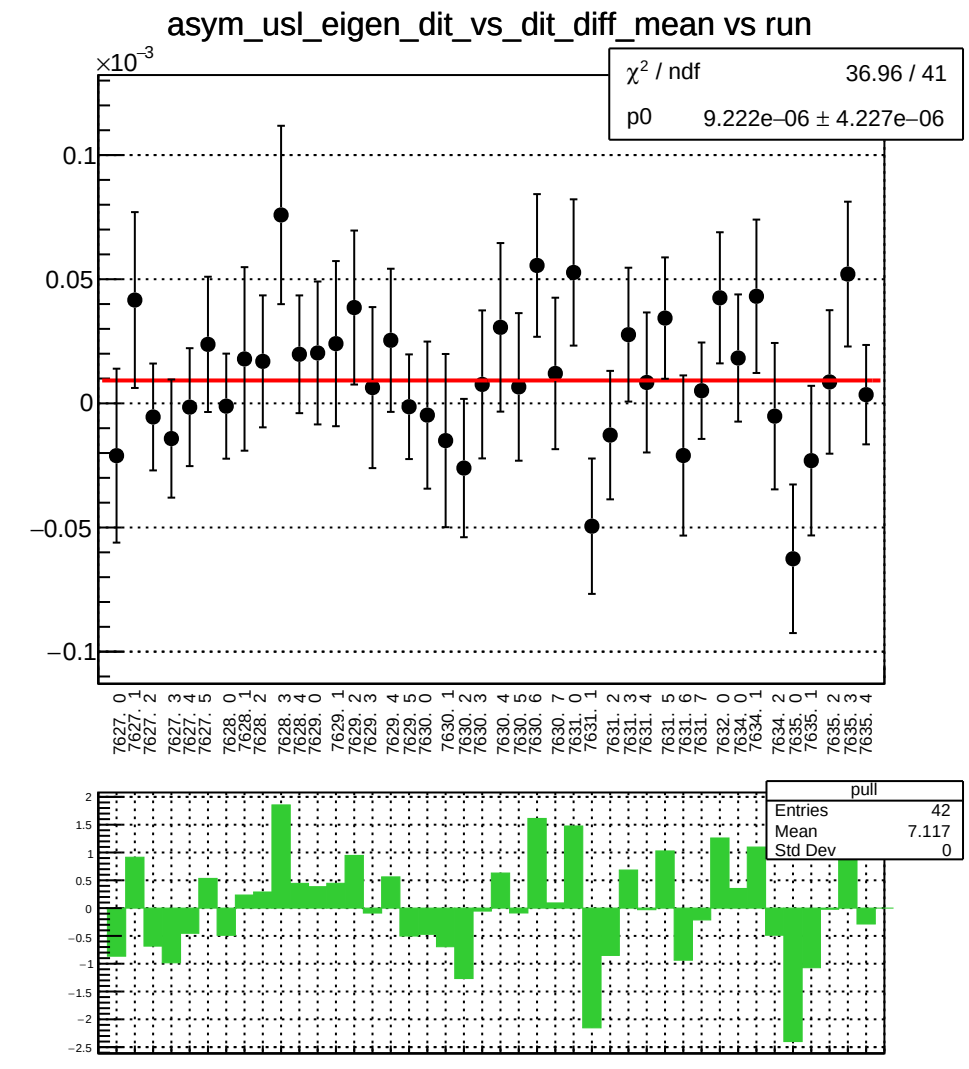

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.06 / 41
p0 0.1661± 0.1136
pull
Entries 42
Mean 24.96
Std Dev 0
pull1D
Entries 42
Mean 0.114
Std Dev 1.03

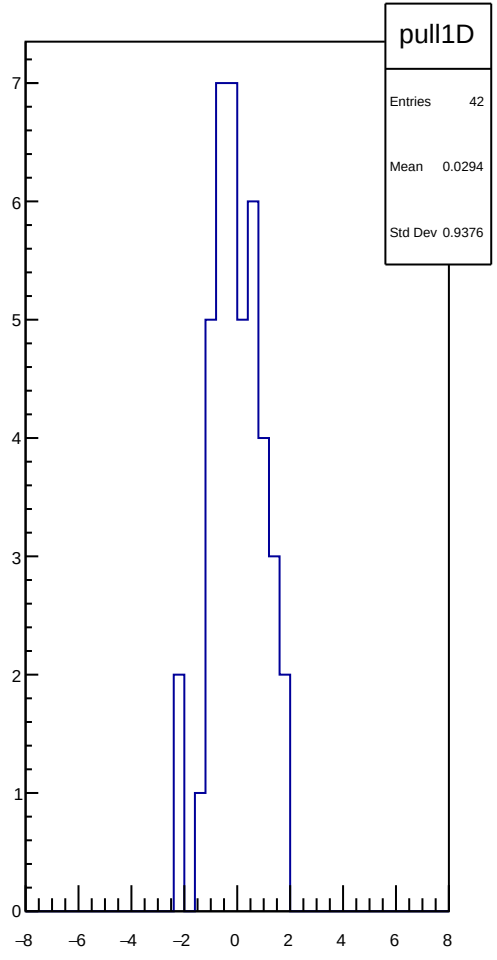

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.544e+04 / 41
p0 69.7 ± 0.08036
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

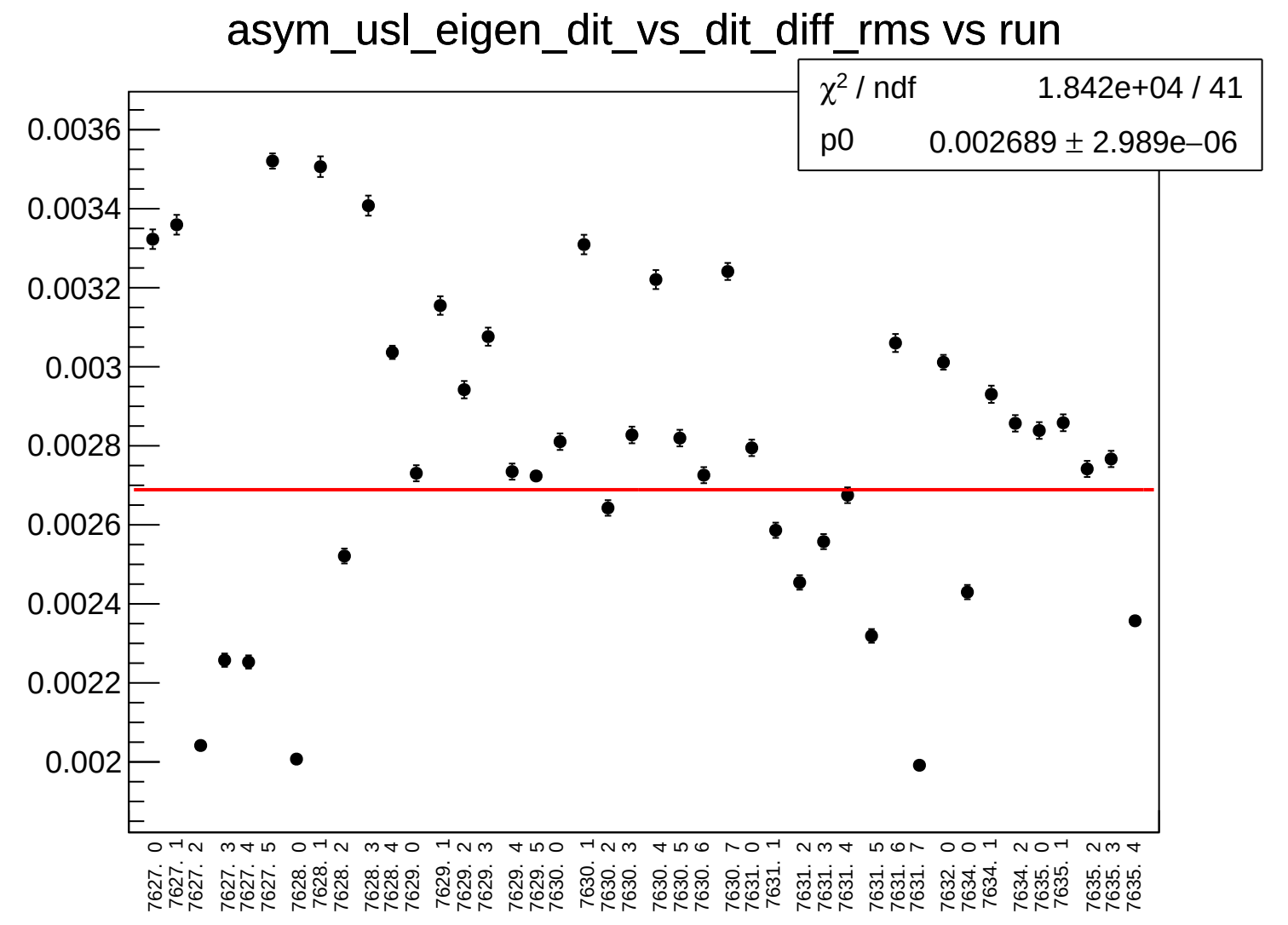

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 28.97 / 41
p0 8.139 ± 4.685
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −356.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

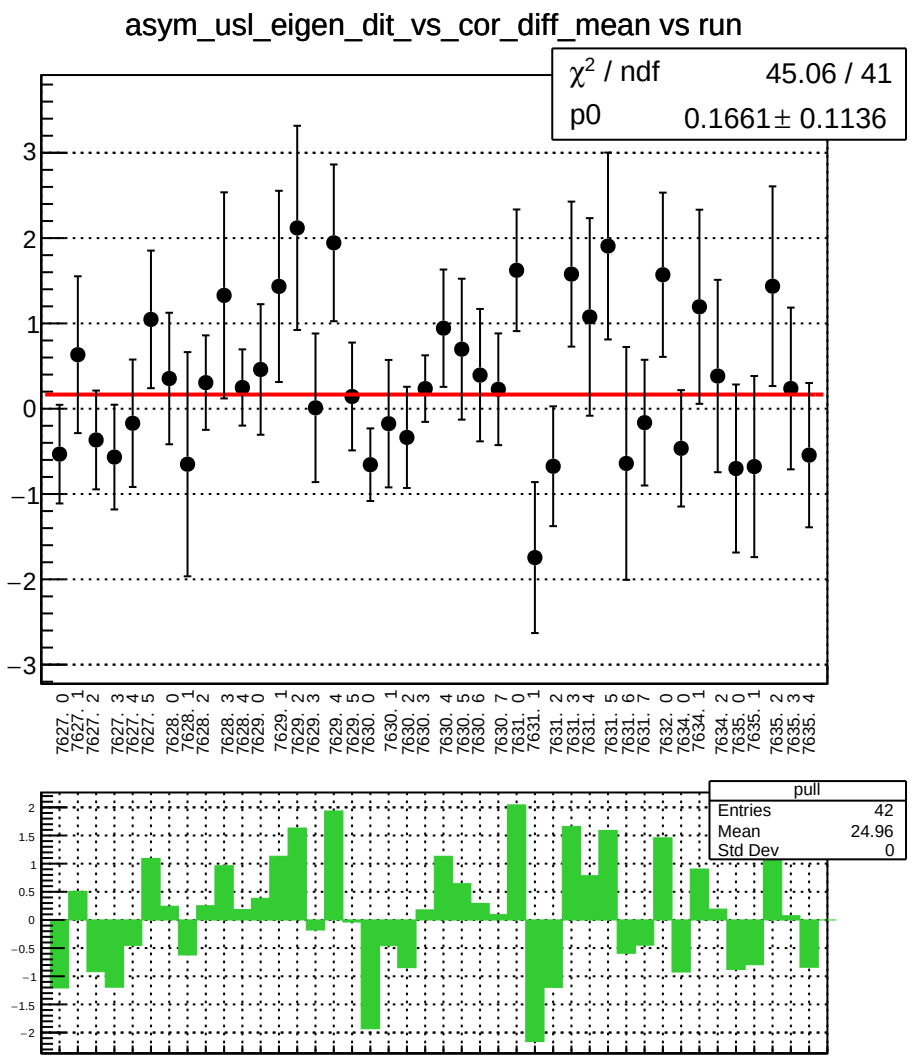

pull1D
Entries 42
Mean 0.003546
Std Dev 0.8305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

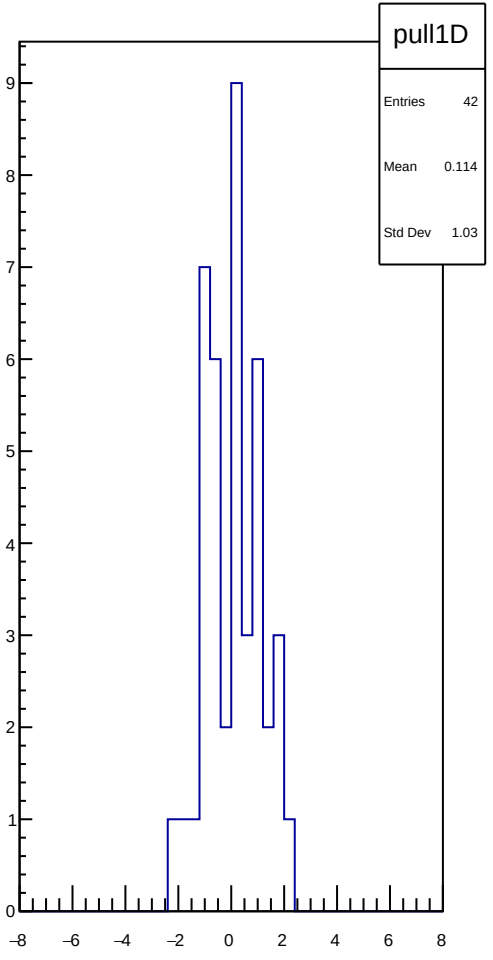

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.315e+04 / 41
p0 2990 ± 3.313
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

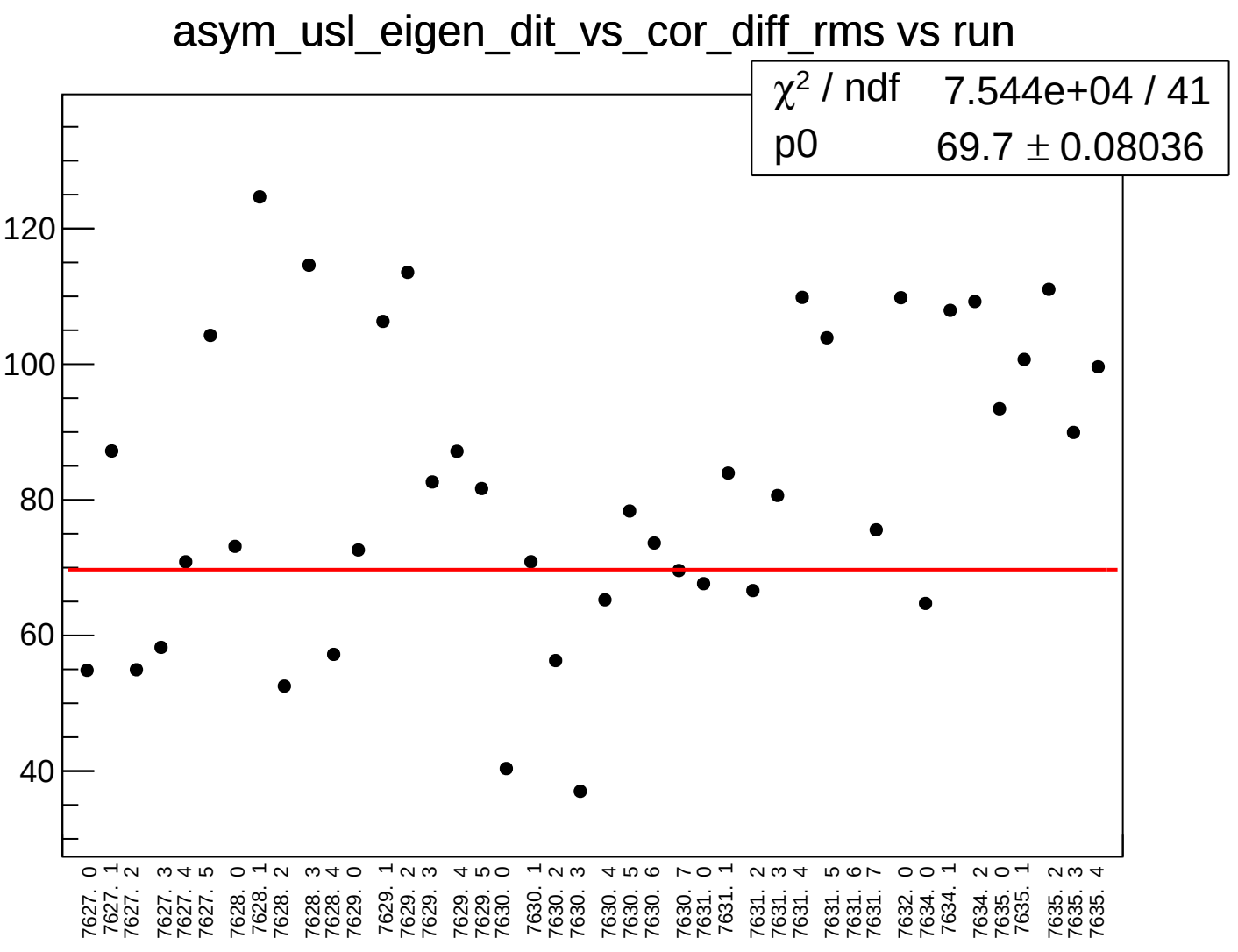

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.96 / 41
p0 9.222e−06 ± 4.227e−06
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.117
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

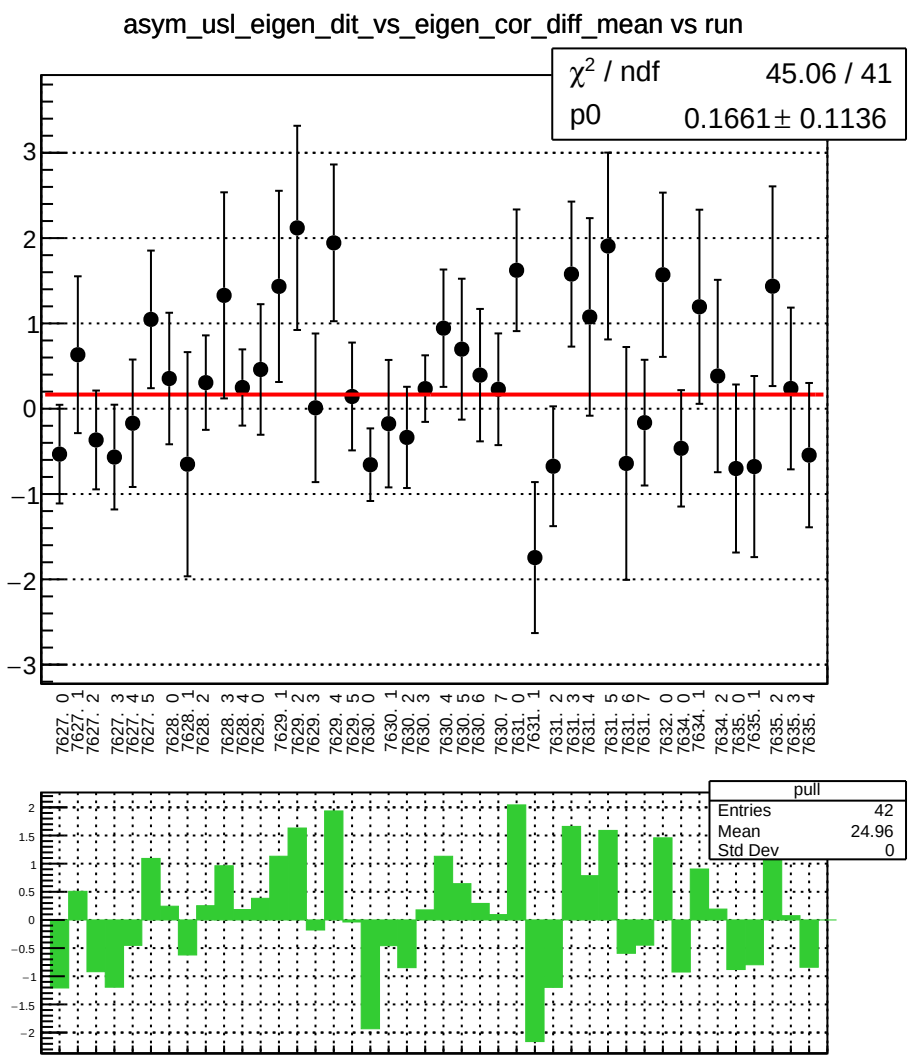

pull1D
Entries 42
Mean 0.0294
Std Dev 0.9376
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

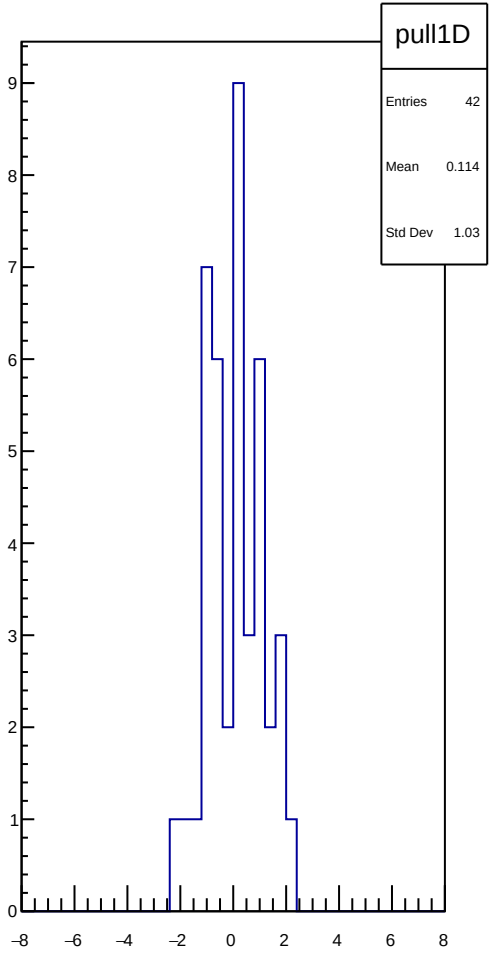

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.842e+04 / 41
p0 0.002689 ± 2.989e−06
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

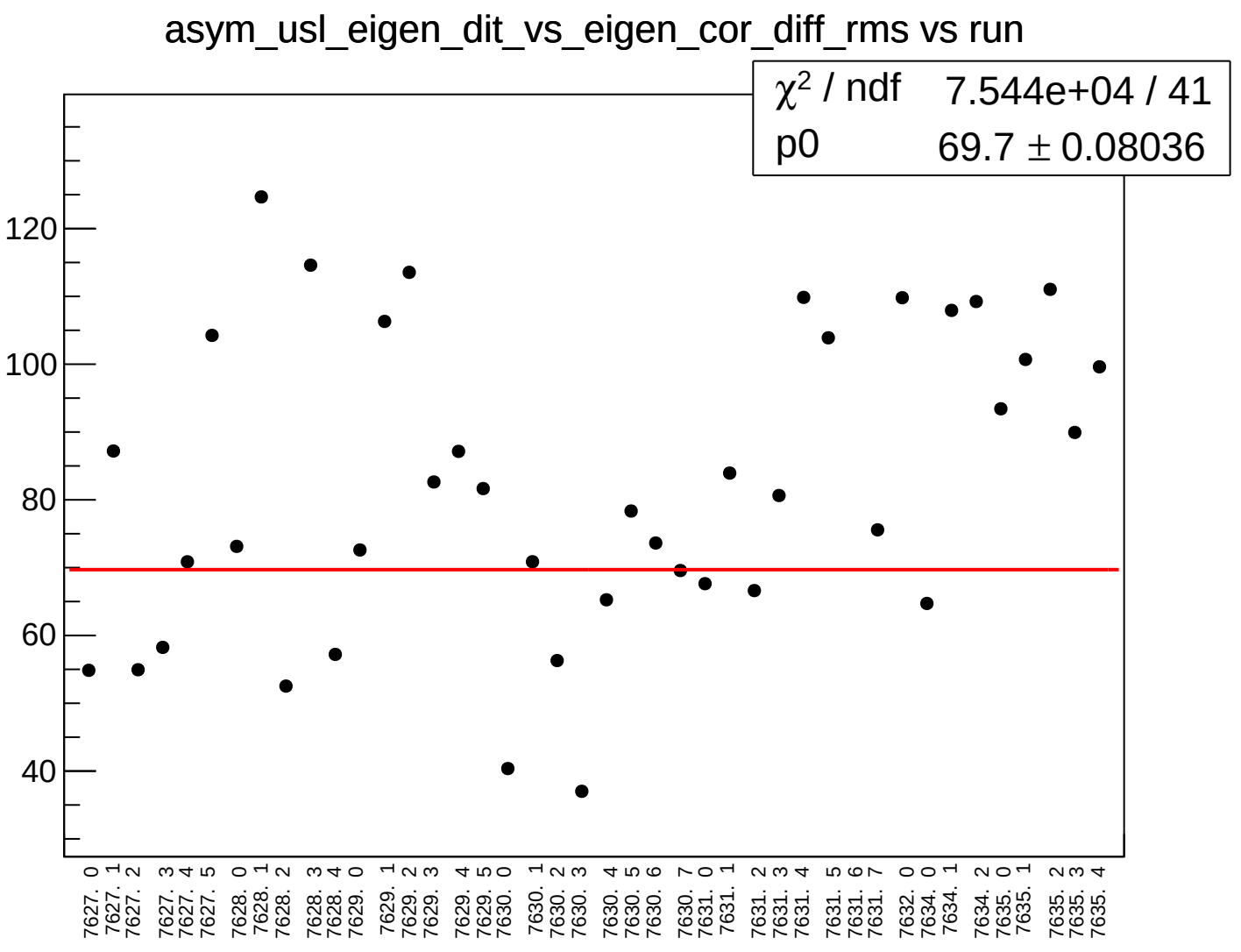

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.06 / 41
p0 0.1661 ± 0.1136
pull
Entries 42
Mean 24.96
Std Dev 0

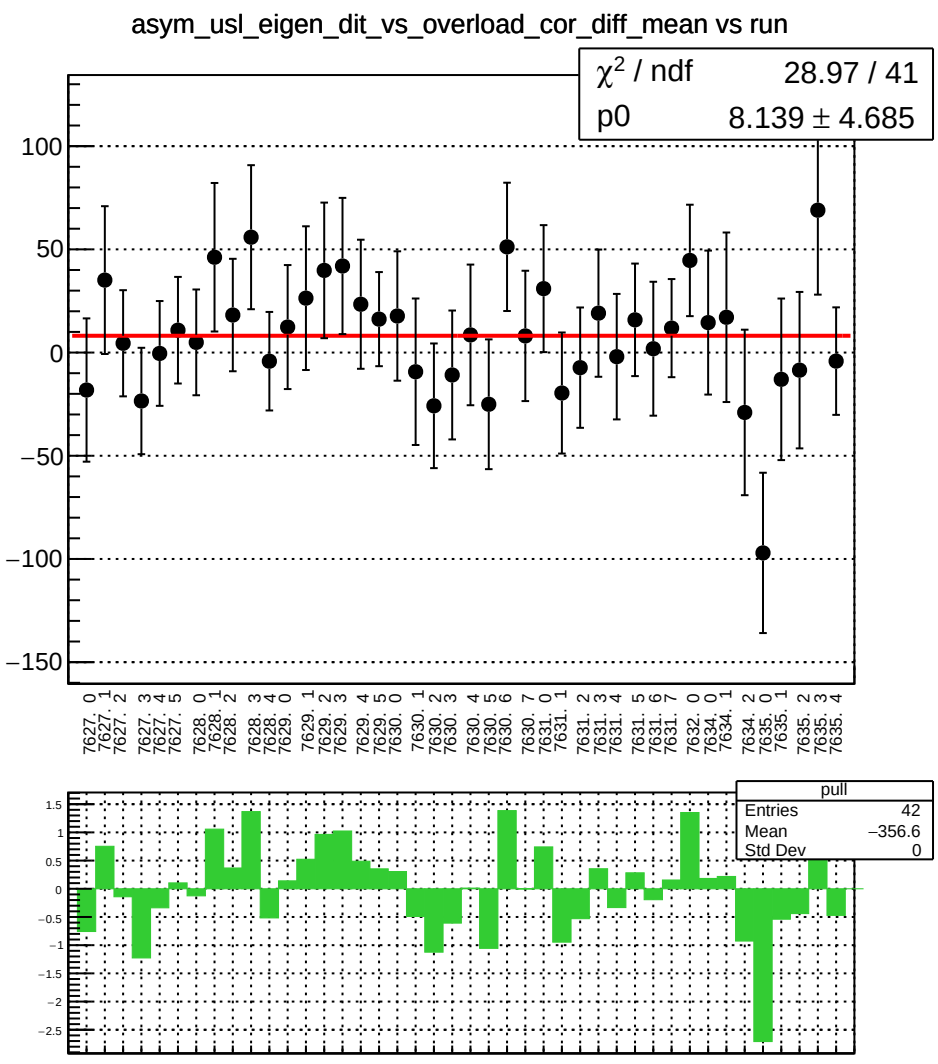

pull1D
Entries 42
Mean 0.114
Std Dev 1.03

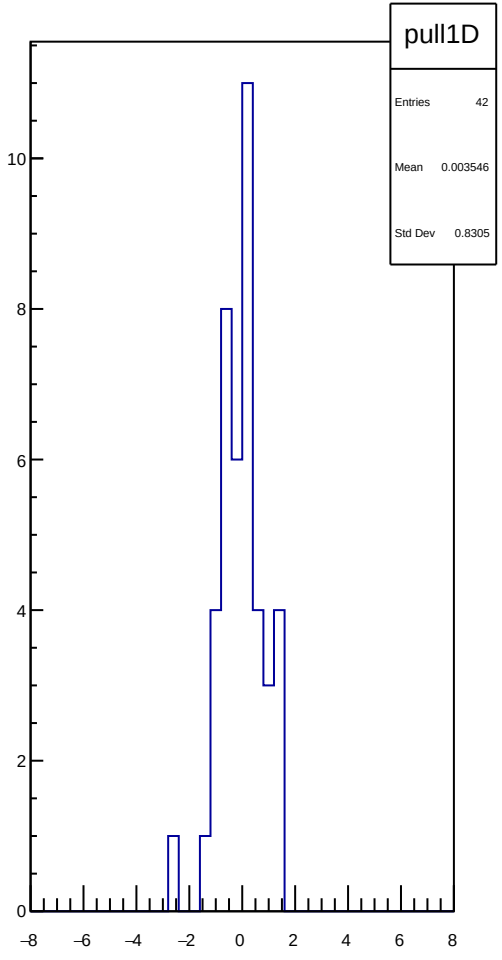

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.544e+04 / 41
p0 69.7 ± 0.08036
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

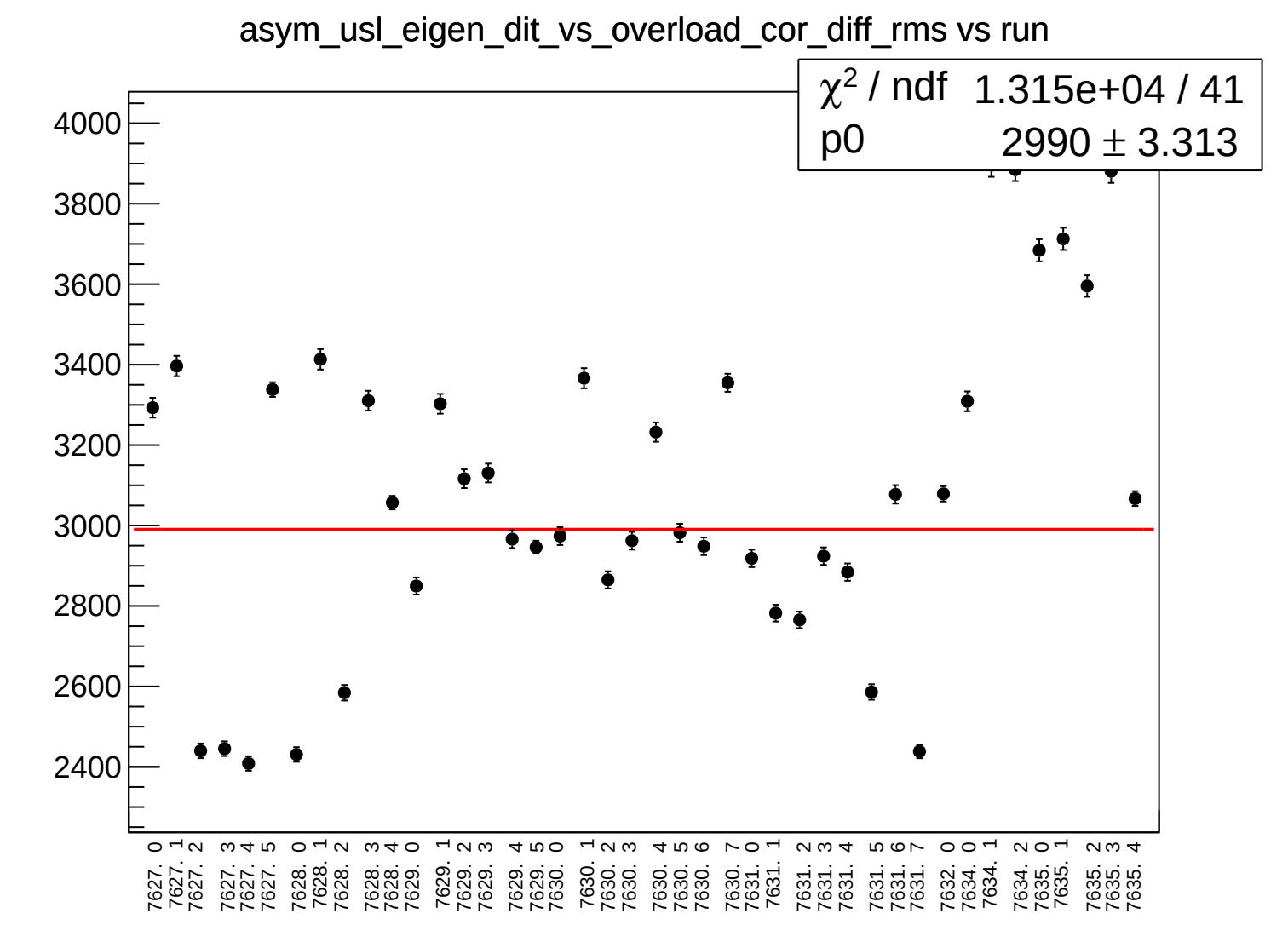

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.06 / 41
p0 0.1661± 0.1136
pull
Entries 42
Mean 24.96
Std Dev 0

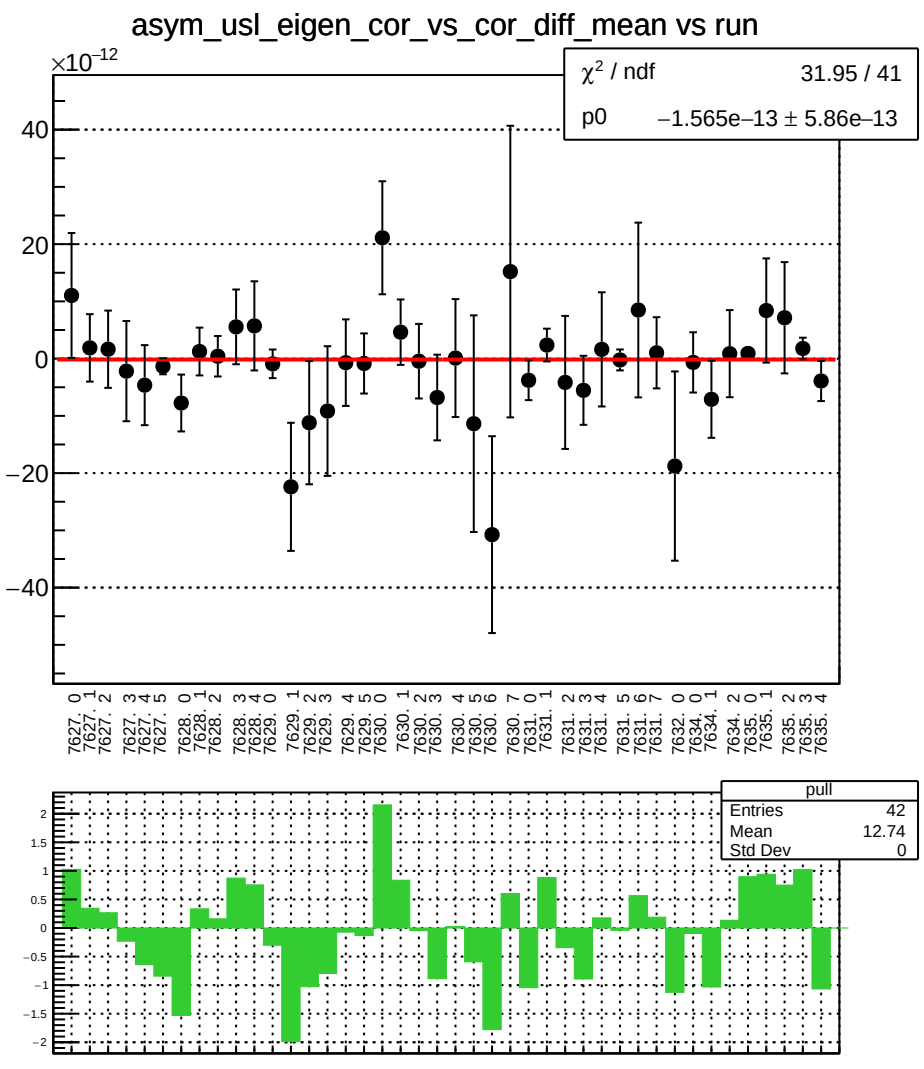

pull1D
Entries 42
Mean 0.114
Std Dev 1.03

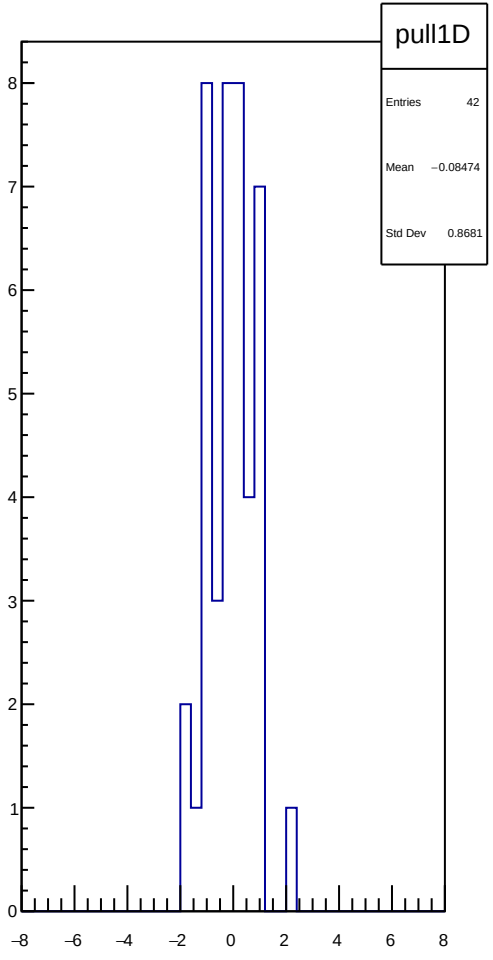

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.544e+04 / 41
p0 69.7 ± 0.08036
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

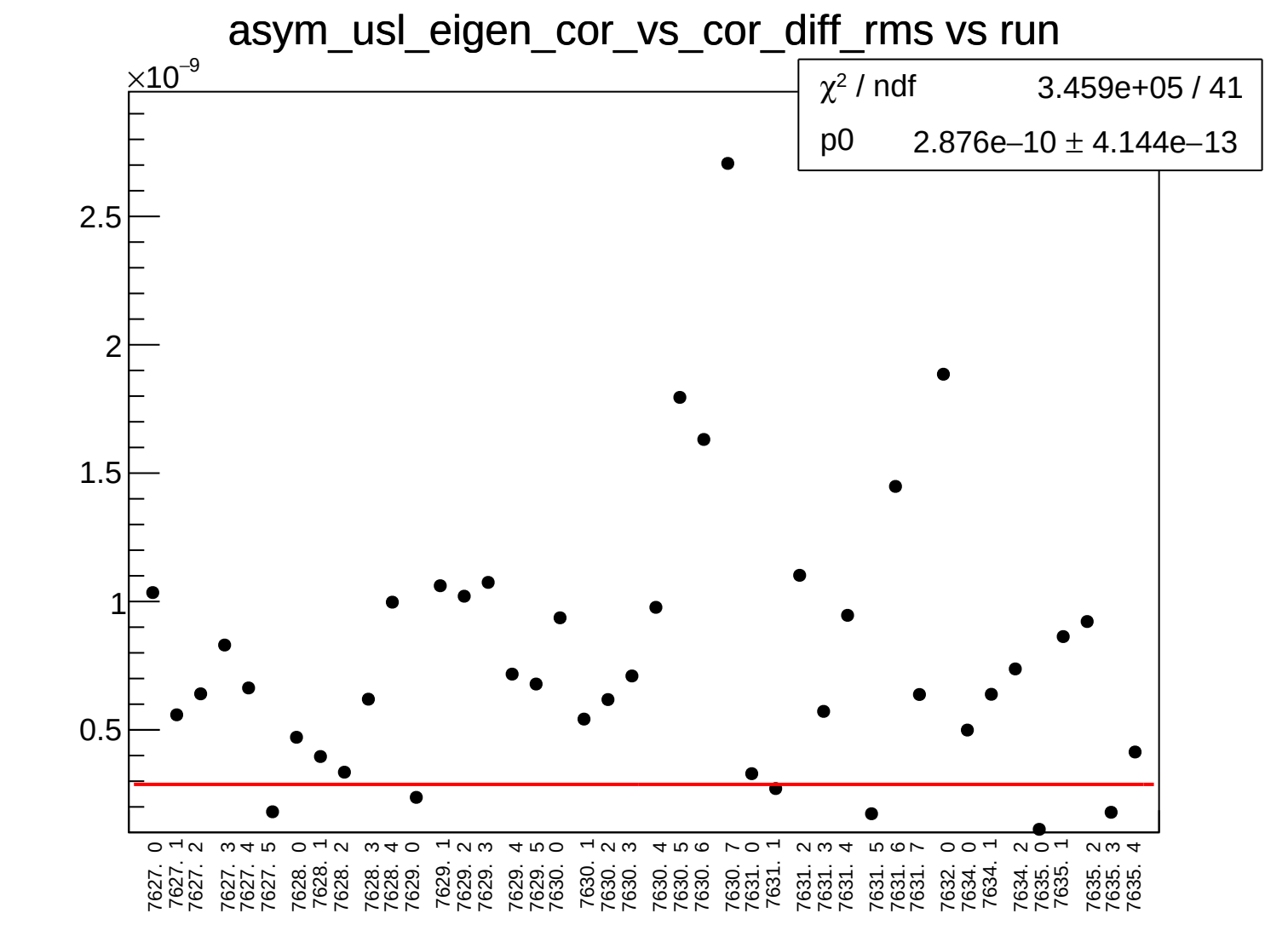

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 28.97 / 41
p0 8.139 ± 4.685
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −356.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

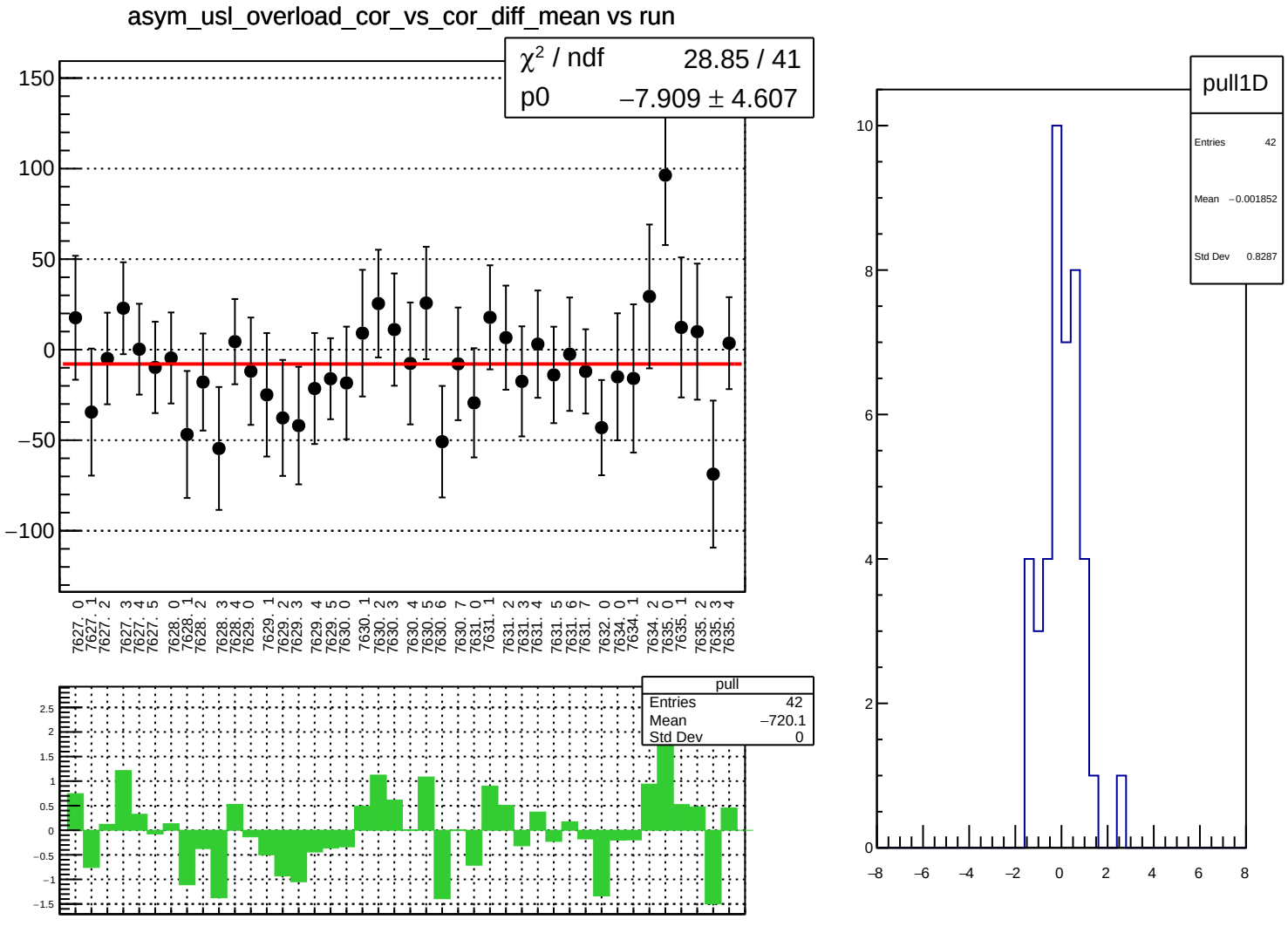

pull1D
Entries 42
Mean 0.003546
Std Dev 0.8305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

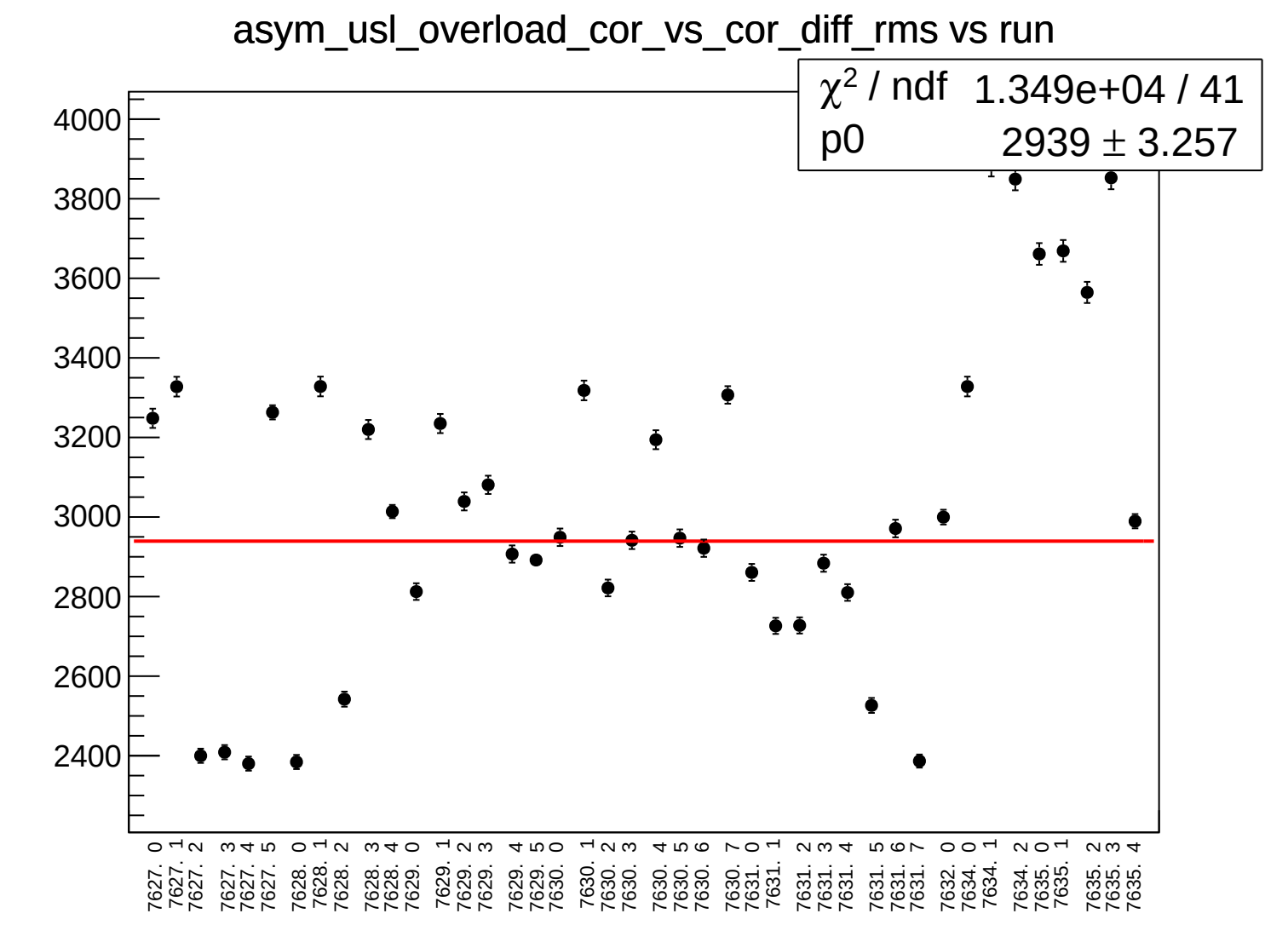

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.315e+04 / 41
p0 2990 ± 3.313
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

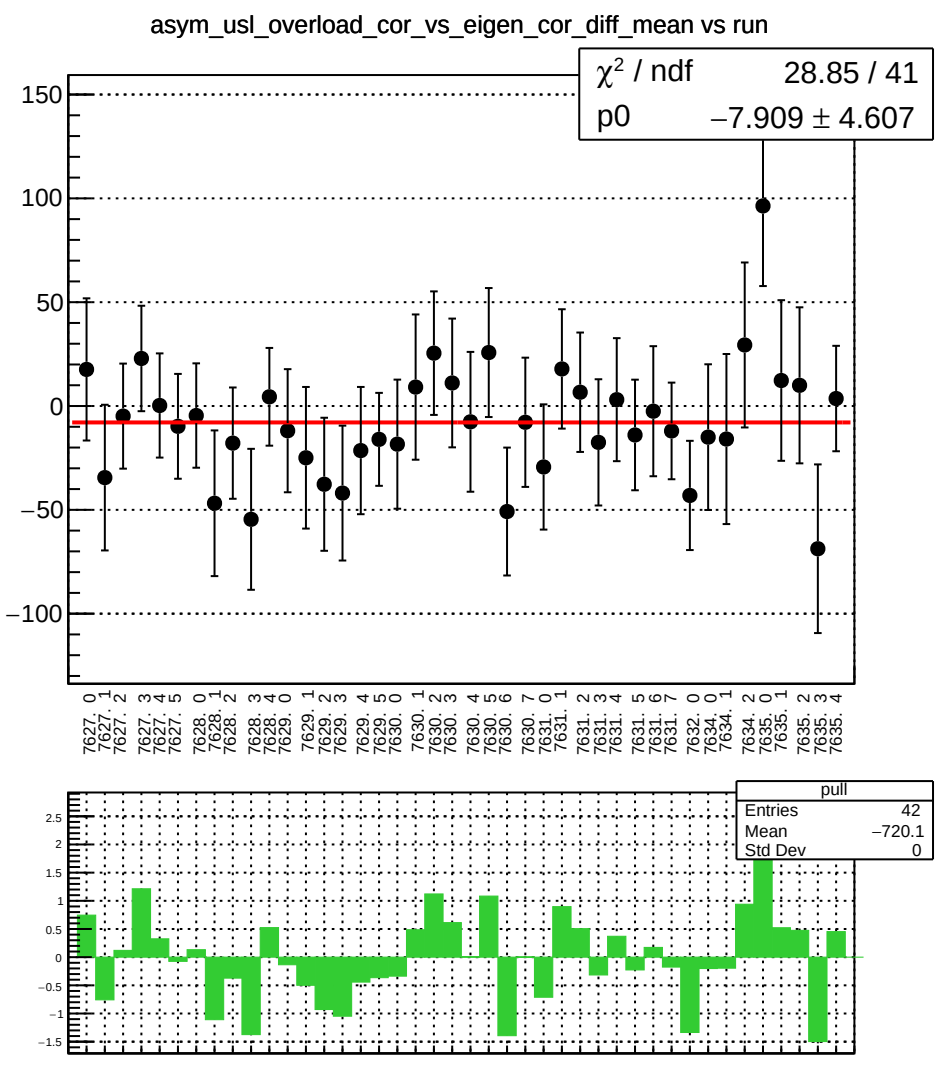

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 31.95 / 41
p0 −1.565e−13 ± 5.86e−13
40
20
0
−20
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

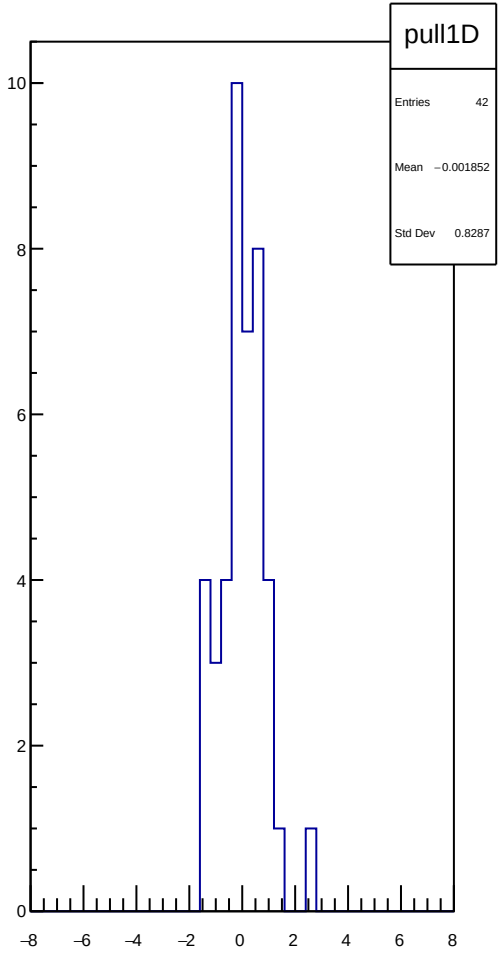

pull1D
Entries 42
Mean −0.08474
Std Dev 0.8681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

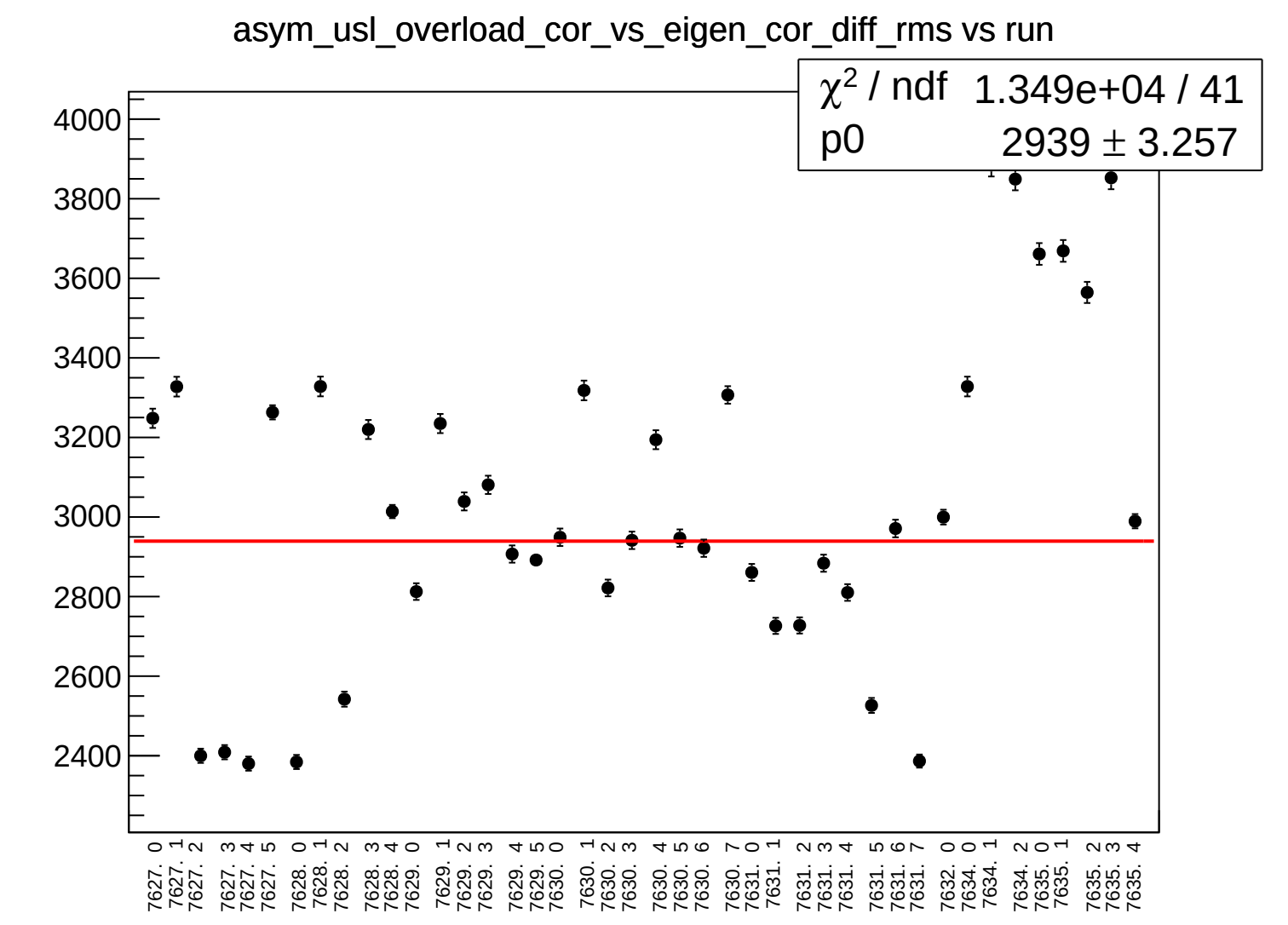

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.459e+05 / 41
p0 2.876e−10 ± 4.144e−13
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

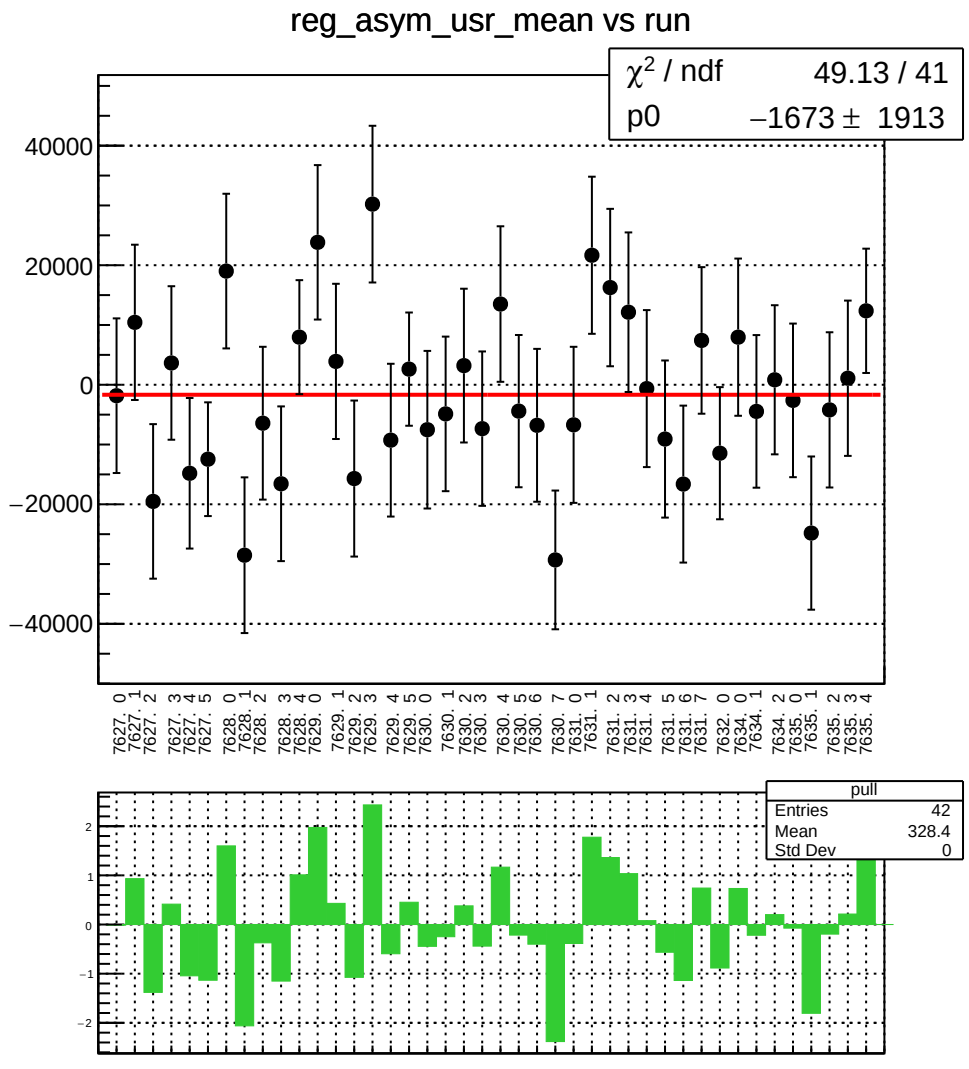

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 28.85 / 41
p0 −7.909 ± 4.607
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −720.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.001852
Std Dev 0.8287
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

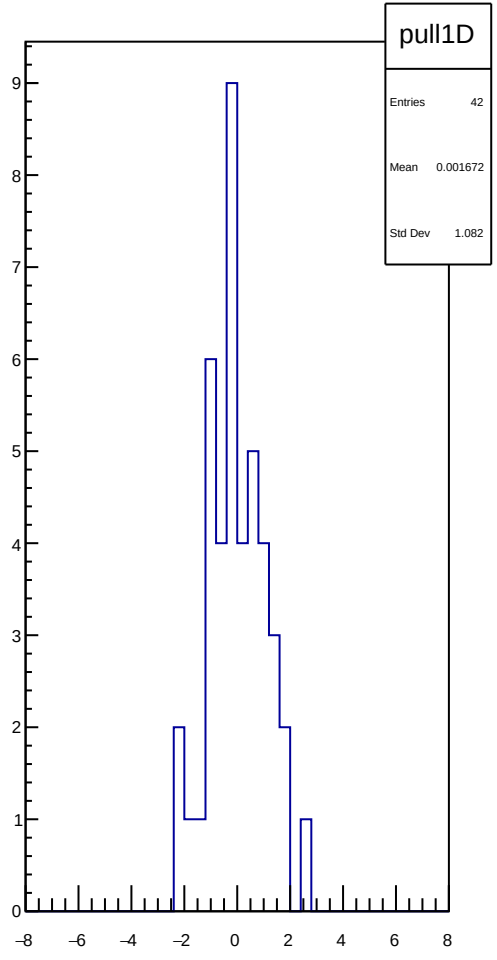

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.349e+04 / 41
p0 2939 ± 3.257
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

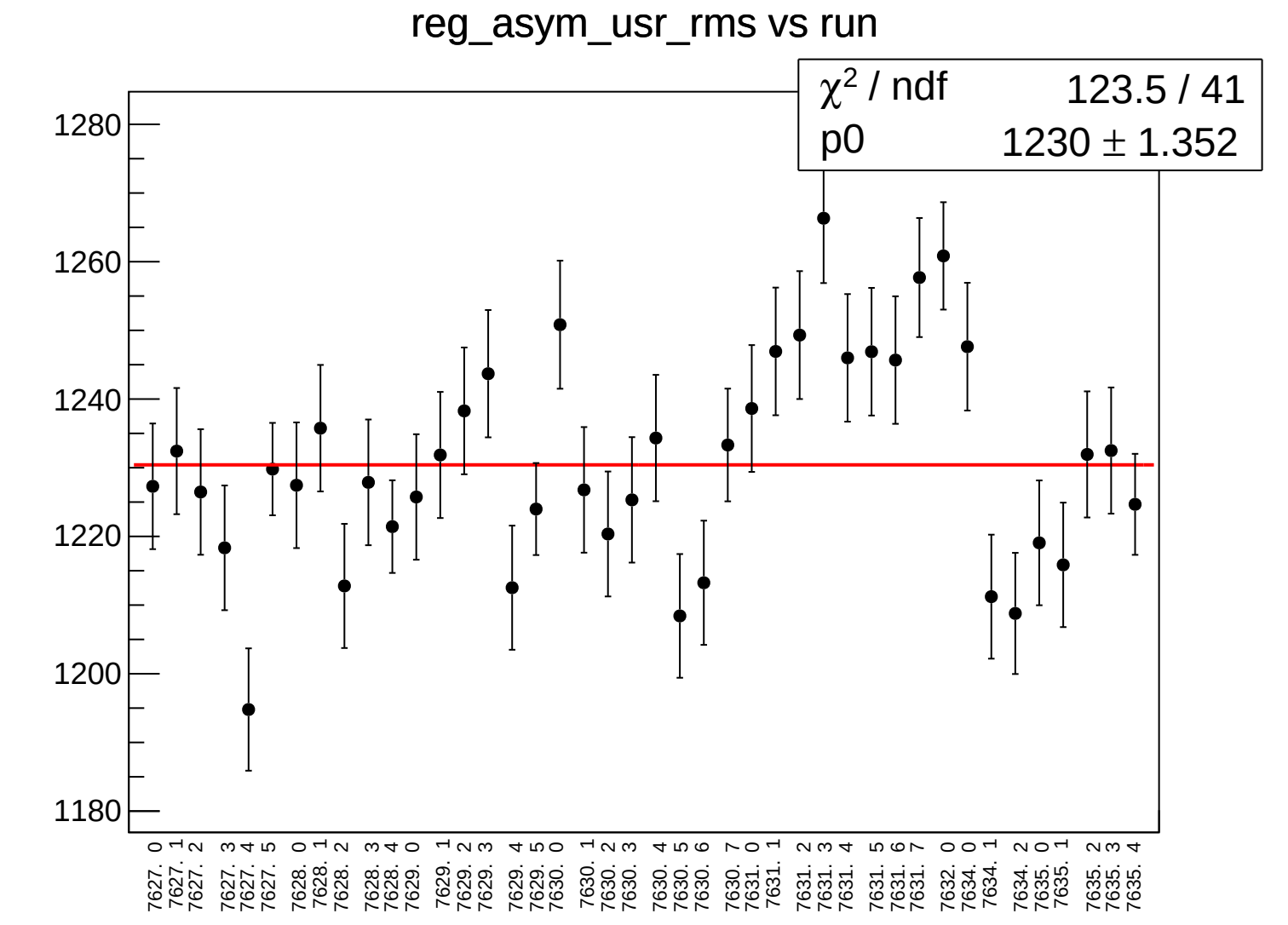

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.85 / 41
p0 −7.909 ± 4.607
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −720.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

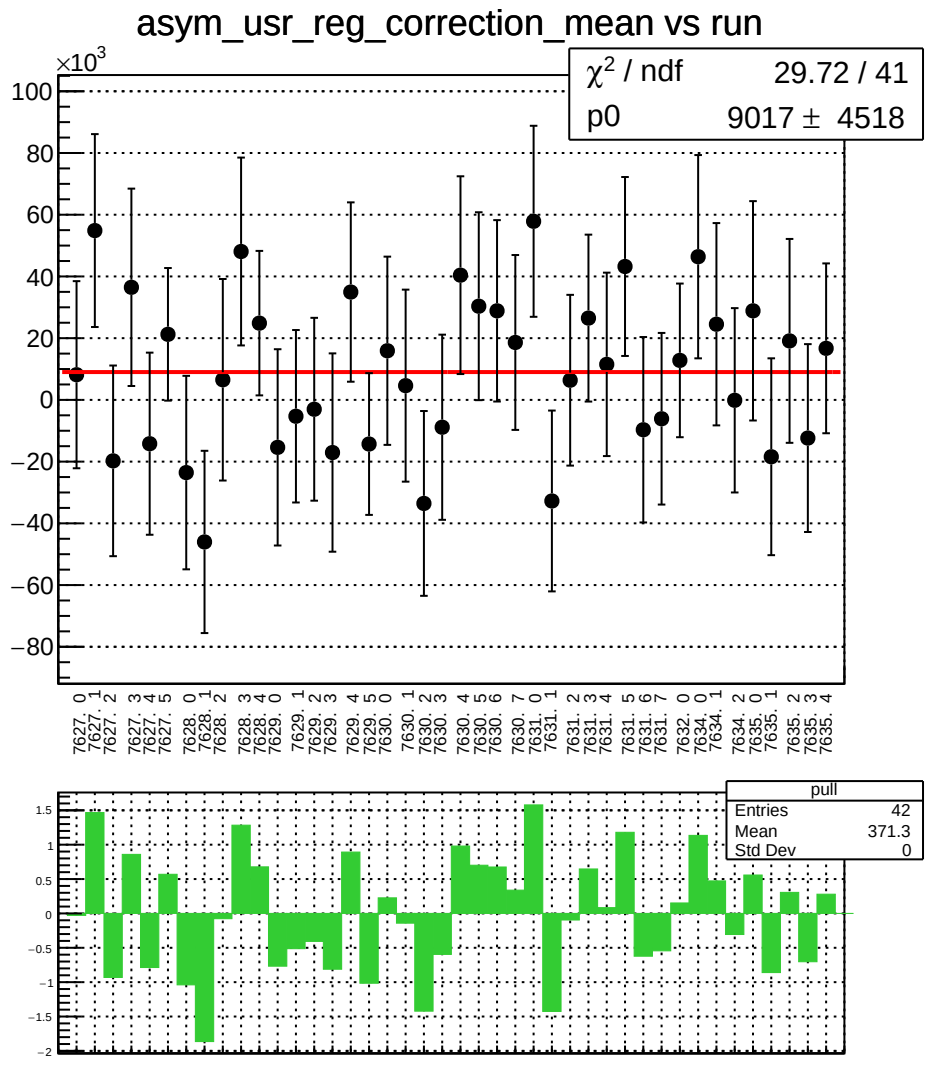

pull1D
Entries 42
Mean −0.001852
Std Dev 0.8287
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

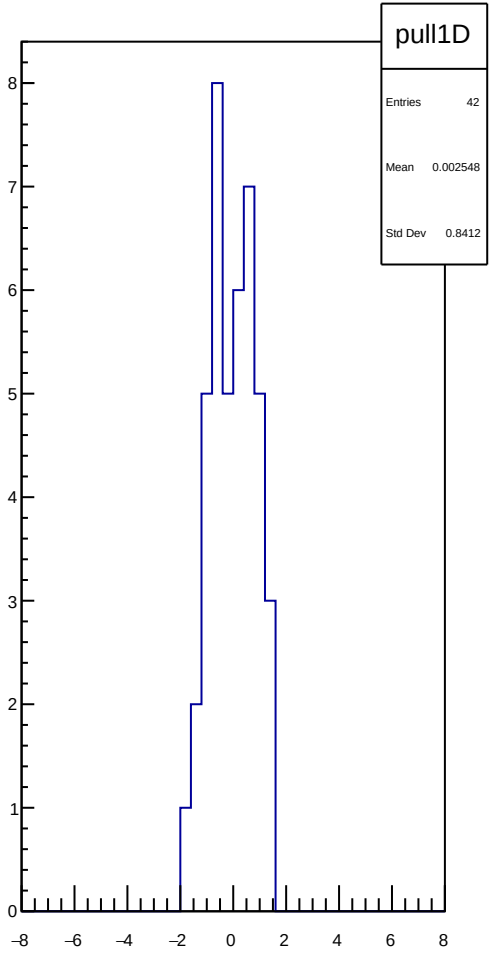

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.349e+04 / 41
p0 2939 ± 3.257
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


reg_asym_usr_mean vs run
χ² / ndf 49.13 / 41
p0 −1673 ± 1913
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 328.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.001672
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_rms vs run
χ² / ndf 123.5 / 41
p0 1230 ± 1.352
1280
1260
1240
1220
1200
1180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_reg_correction_mean vs run
×10^3
χ² / ndf 29.72 / 41
p0 9017 ± 4518
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 371.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.002548
Std Dev 0.8412
8
7
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5
4
3
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1
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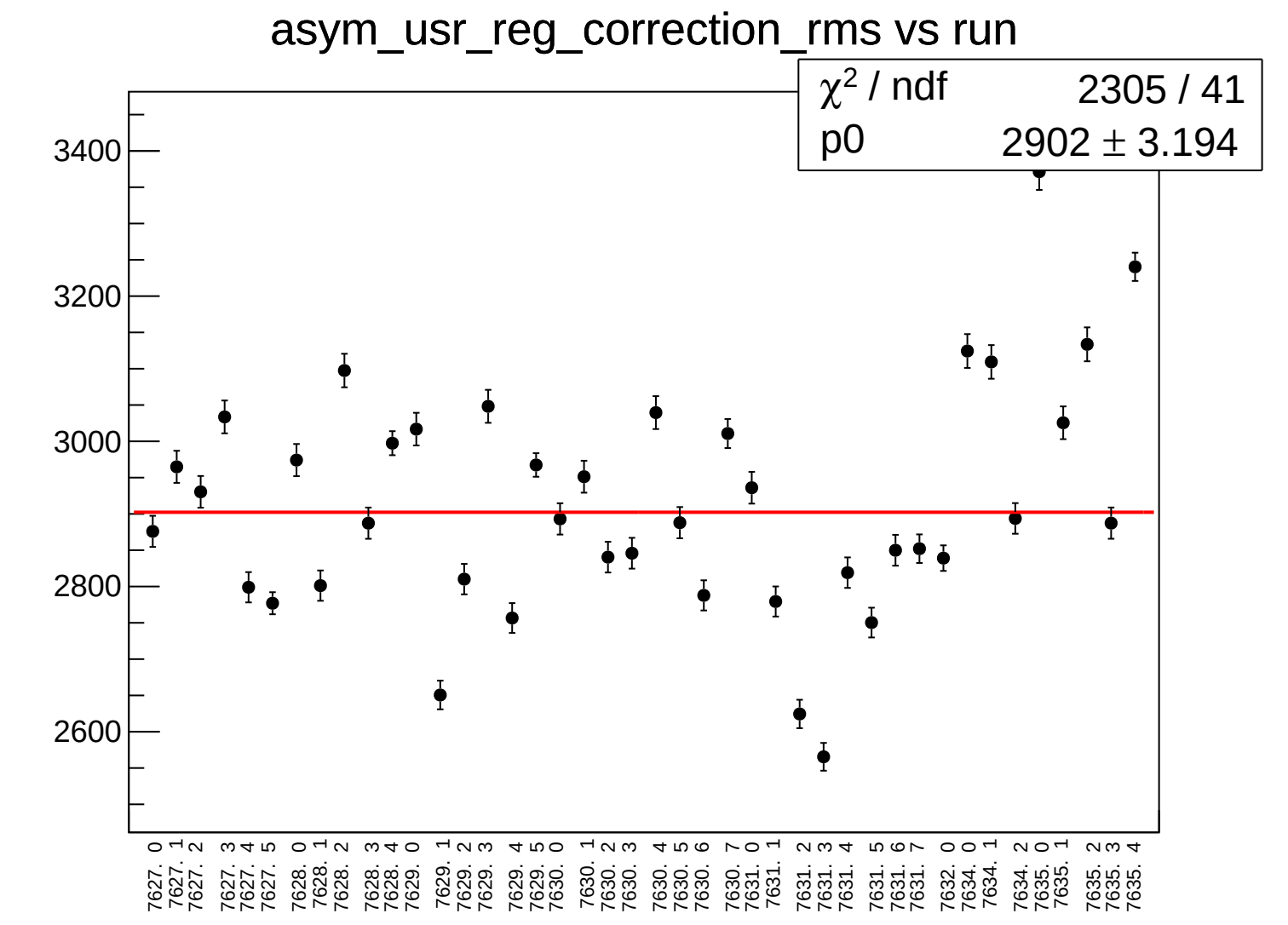
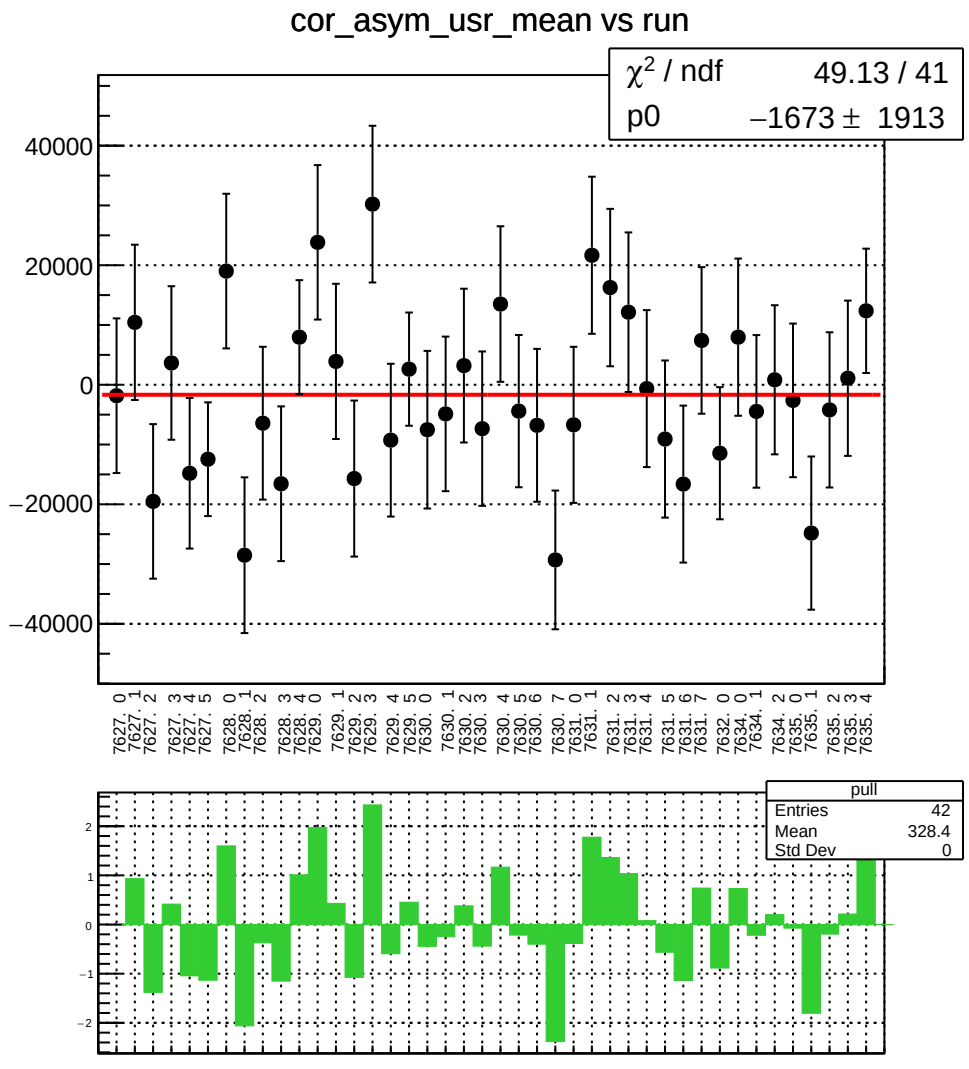
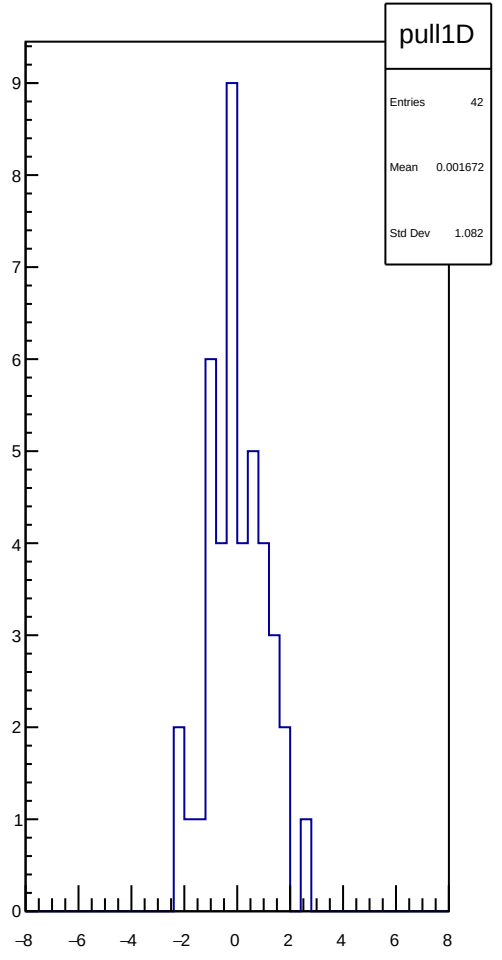
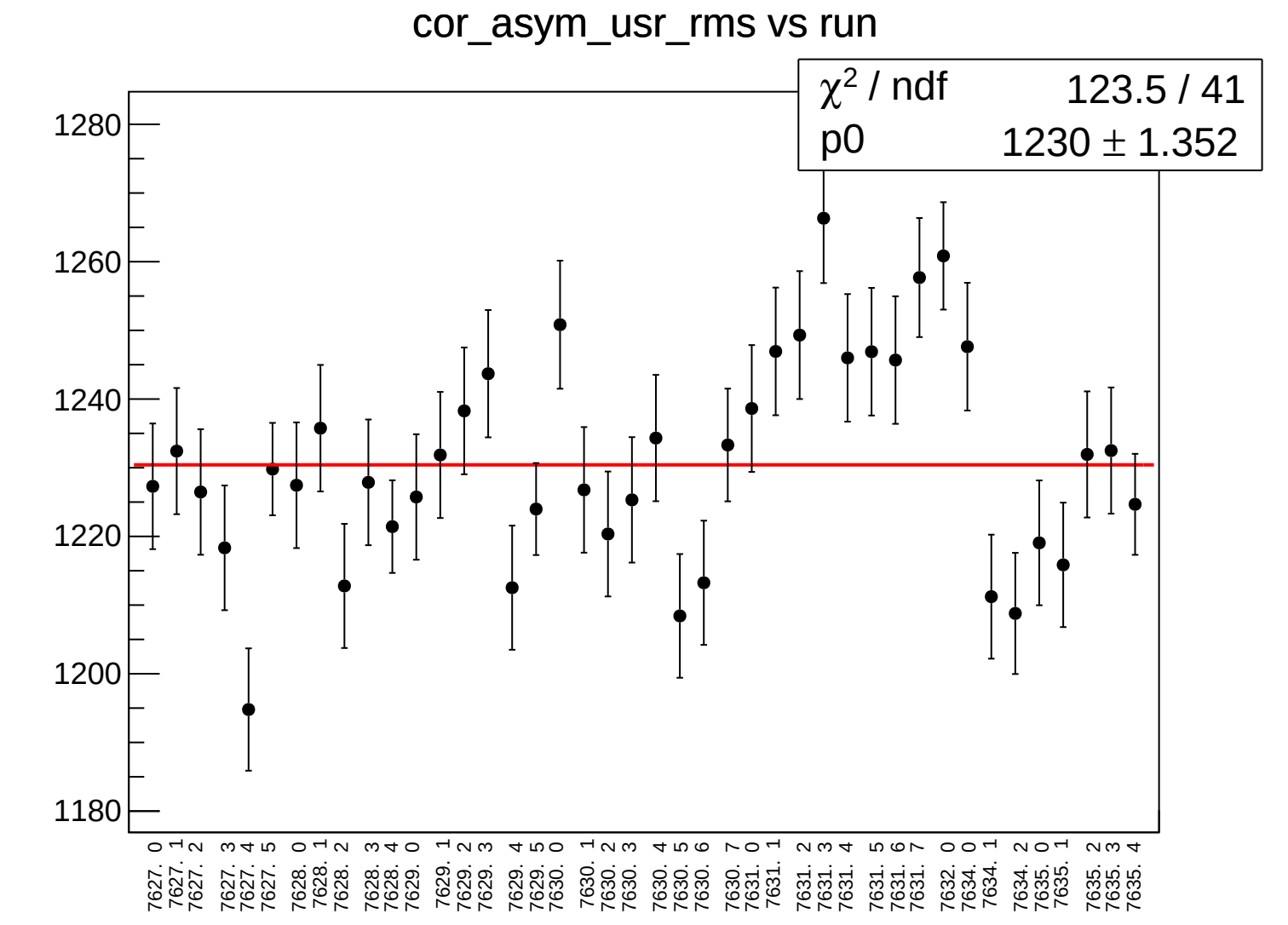
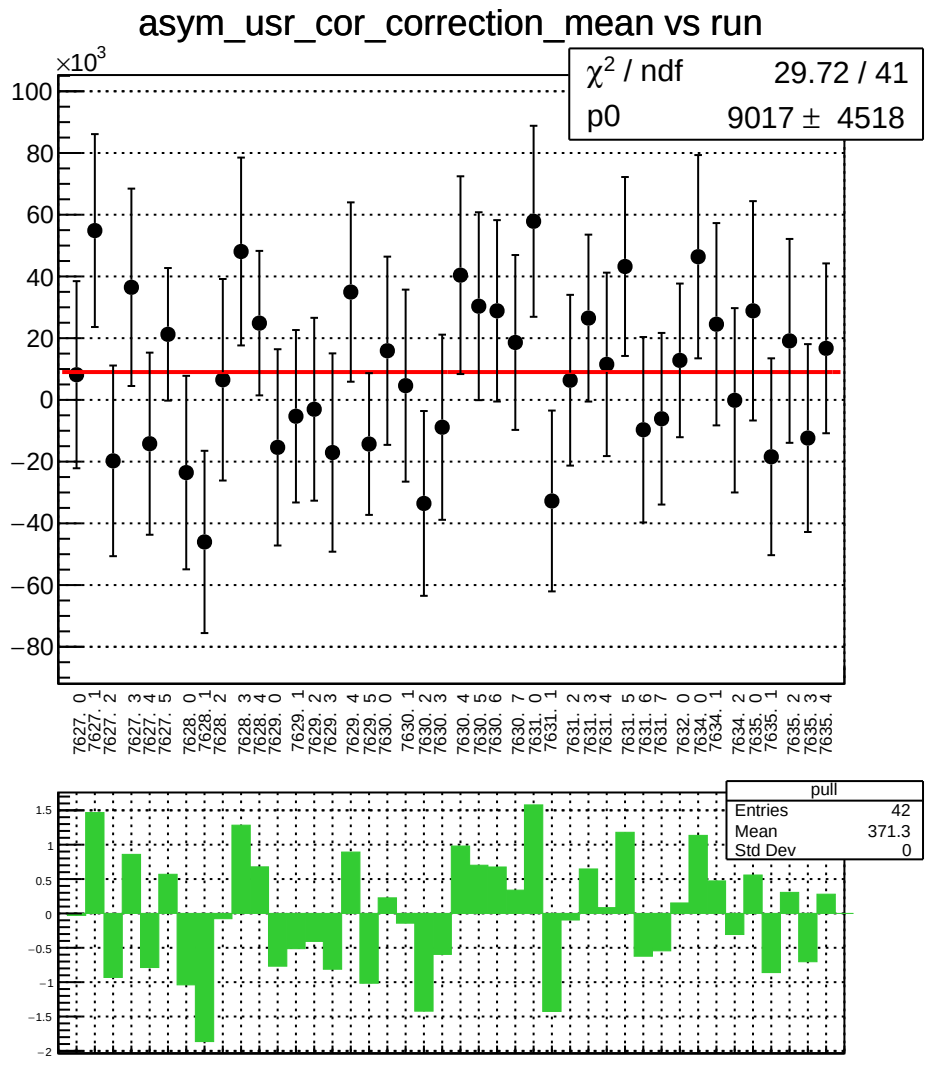
−8
−6
−4
−2
0
2
4
6
8

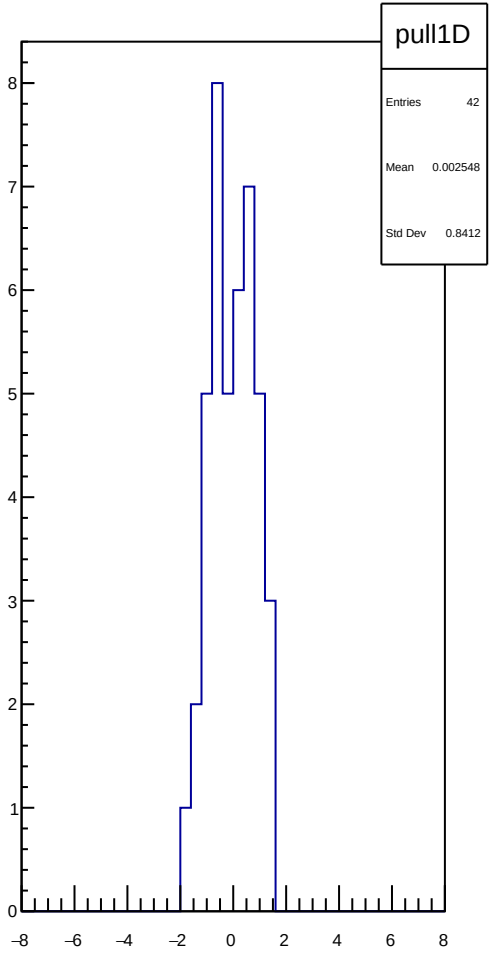

asym_usr_reg_correction_rms vs run
χ² / ndf 2305 / 41
p0 2902 ± 3.194
3400
3200
3000
2800
2600
17627. 0
17627. 1
17627. 2
17627. 3
17627. 4
17627. 5
17628. 0
17628. 1
17628. 2
17628. 3
17628. 4
17629. 0
17629. 1
17629. 2
17629. 3
17629. 4
17629. 5
17630. 0
17630. 1
17630. 2
17630. 3
17630. 4
17630. 5
17630. 6
17630. 7
17631. 0
17631. 1
17631. 2
17631. 3
17631. 4
17631. 5
17631. 6
17631. 7
17632. 0
17634. 0
17634. 1
17634. 2
17635. 0
17635. 1
17635. 2
17635. 3
17635. 4

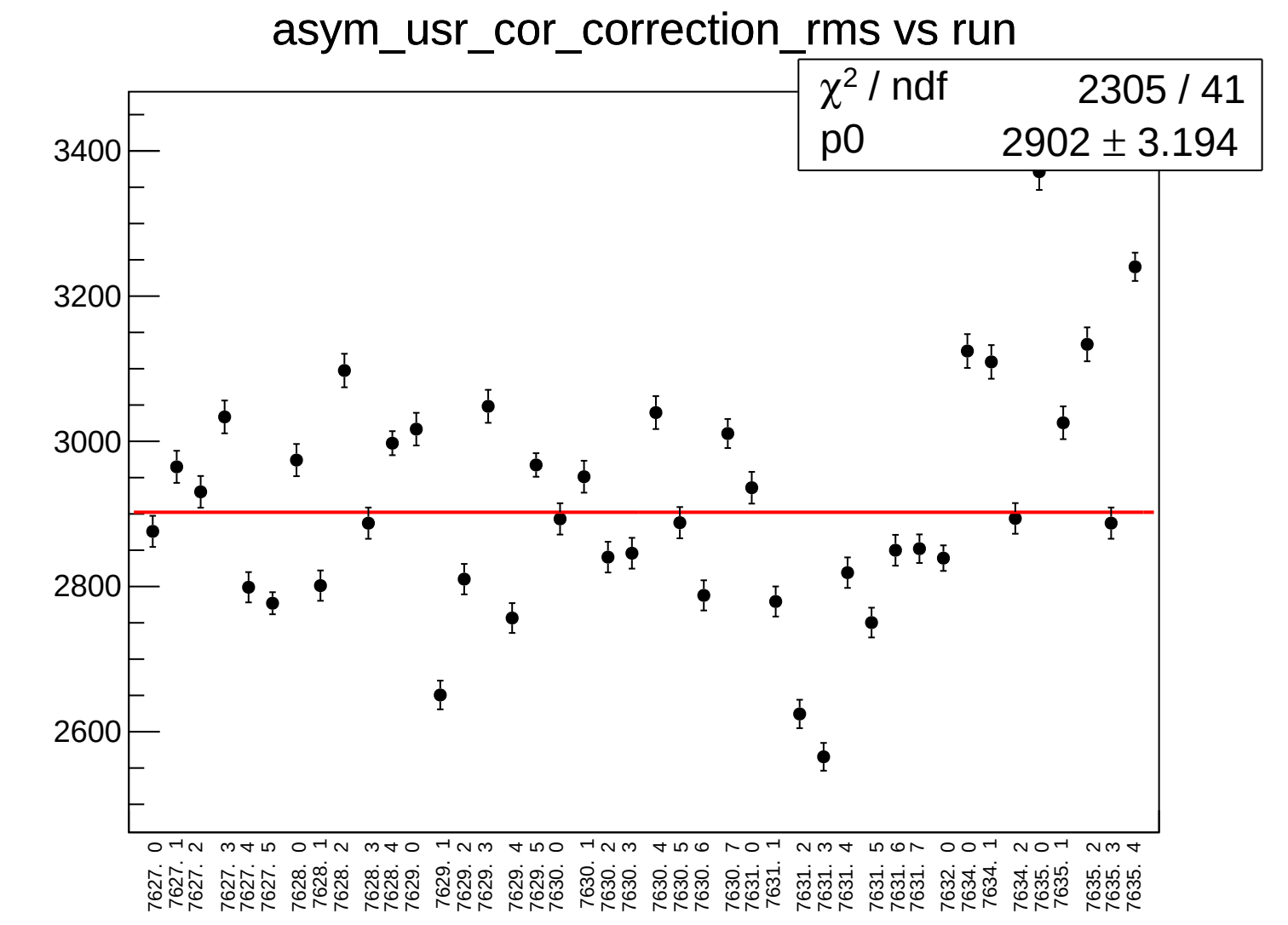

cor_asym_usr_mean vs run
χ² / ndf 49.13 / 41
p0 −1673 ± 1913
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 328.4
Std Dev 0
2
1
0
−1
−2

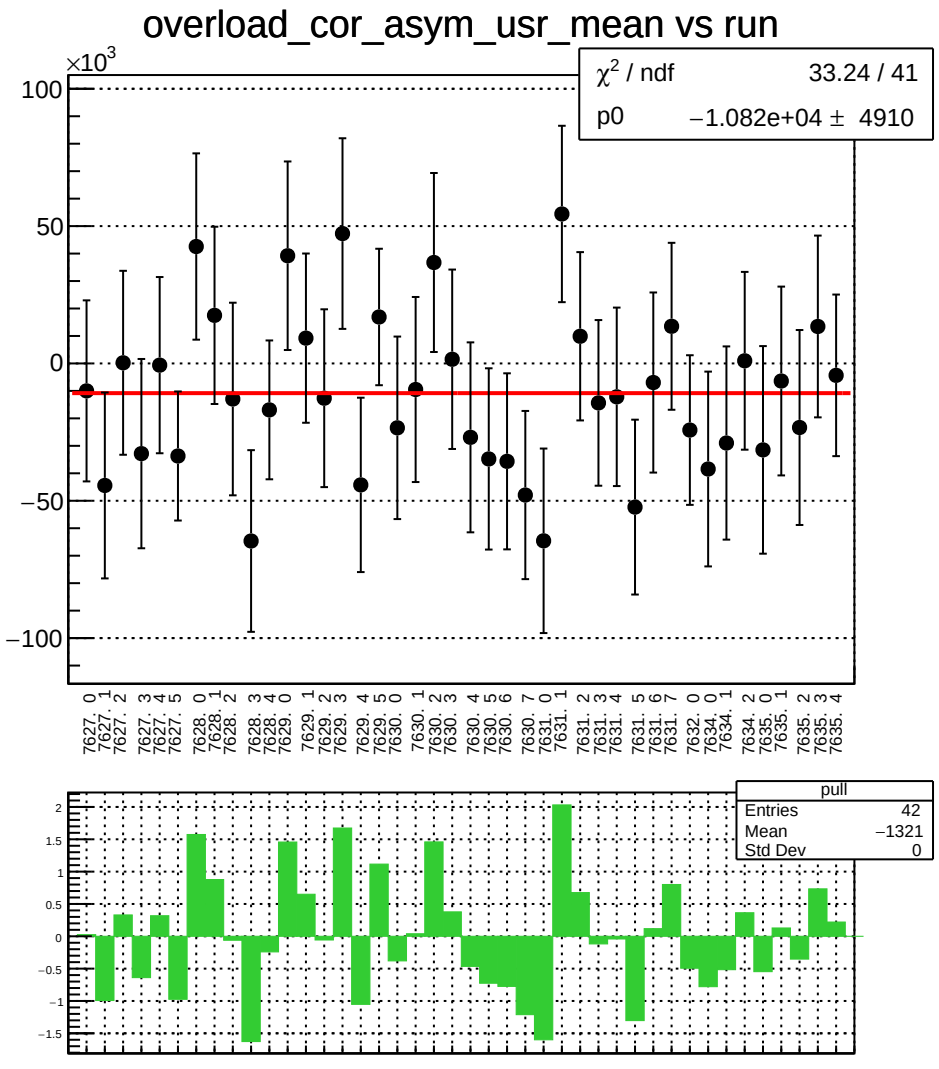

pull1D
Entries 42
Mean 0.001672
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

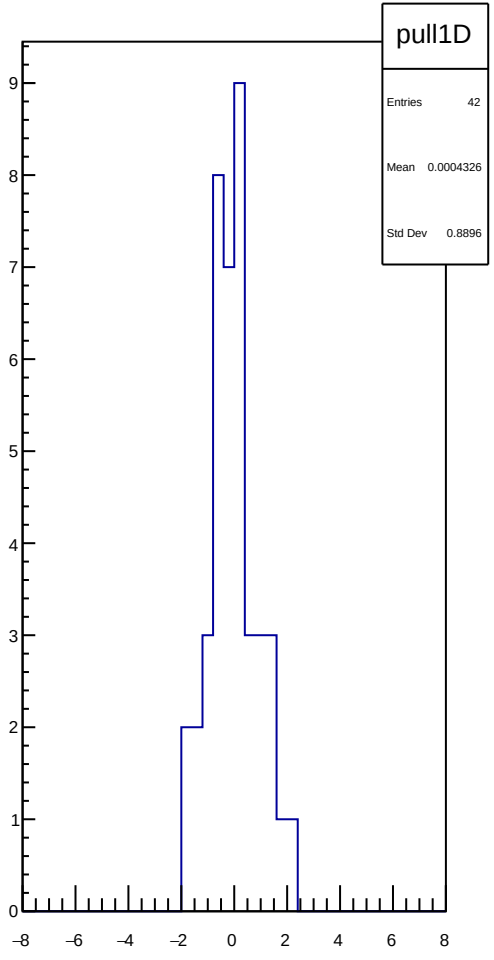

cor_asym_usr_rms vs run
χ² / ndf 123.5 / 41
p0 1230 ± 1.352
1280
1260
1240
1220
1200
1180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

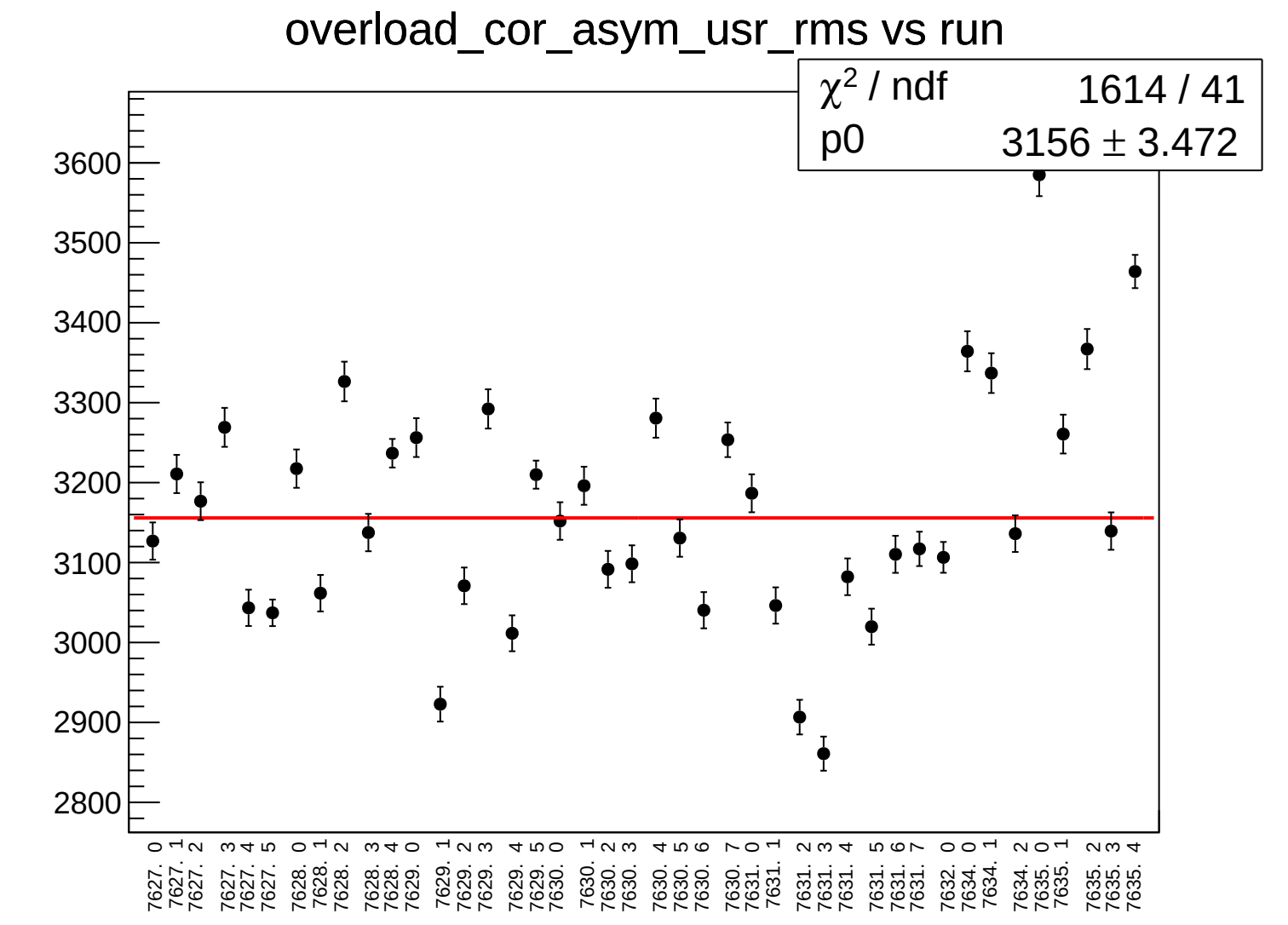

asym_usr_cor_correction_mean vs run
×10^3
χ² / ndf 29.72 / 41
p0 9017 ± 4518
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 371.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

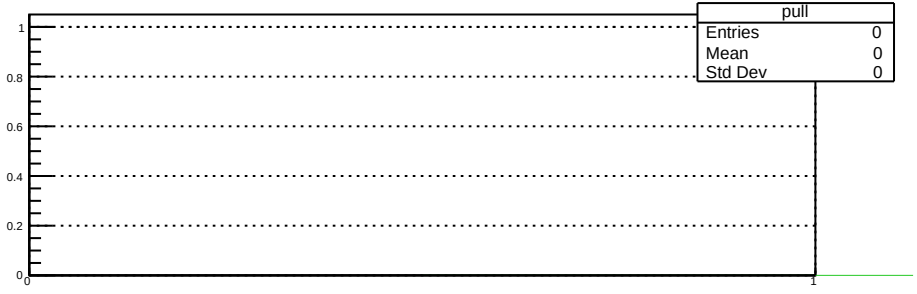

pull1D
Entries 42
Mean 0.002548
Std Dev 0.8412
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

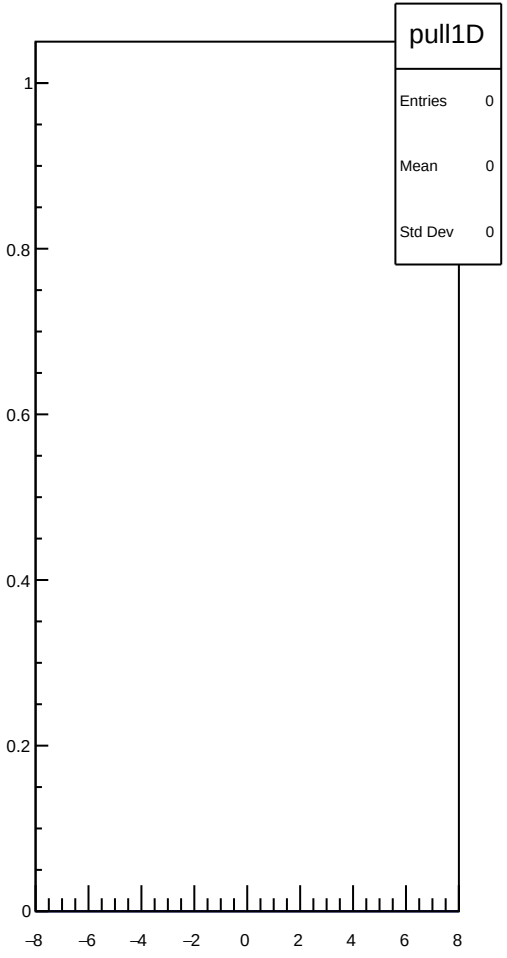

asym_usr_cor_correction_rms vs run
χ² / ndf 2305 / 41
p0 2902 ± 3.194
3400
3200
3000
2800
2600
17627. 0
17627. 1
17627. 2
17627. 3
17627. 4
17627. 5
17628. 0
17628. 1
17628. 2
17628. 3
17628. 4
17629. 0
17629. 1
17629. 2
17629. 3
17629. 4
17629. 5
17630. 0
17630. 1
17630. 2
17630. 3
17630. 4
17630. 5
17630. 6
17630. 7
17631. 0
17631. 1
17631. 2
17631. 3
17631. 4
17631. 5
17631. 6
17631. 7
17632. 0
17634. 0
17634. 1
17634. 2
17635. 0
17635. 1
17635. 2
17635. 3
17635. 4

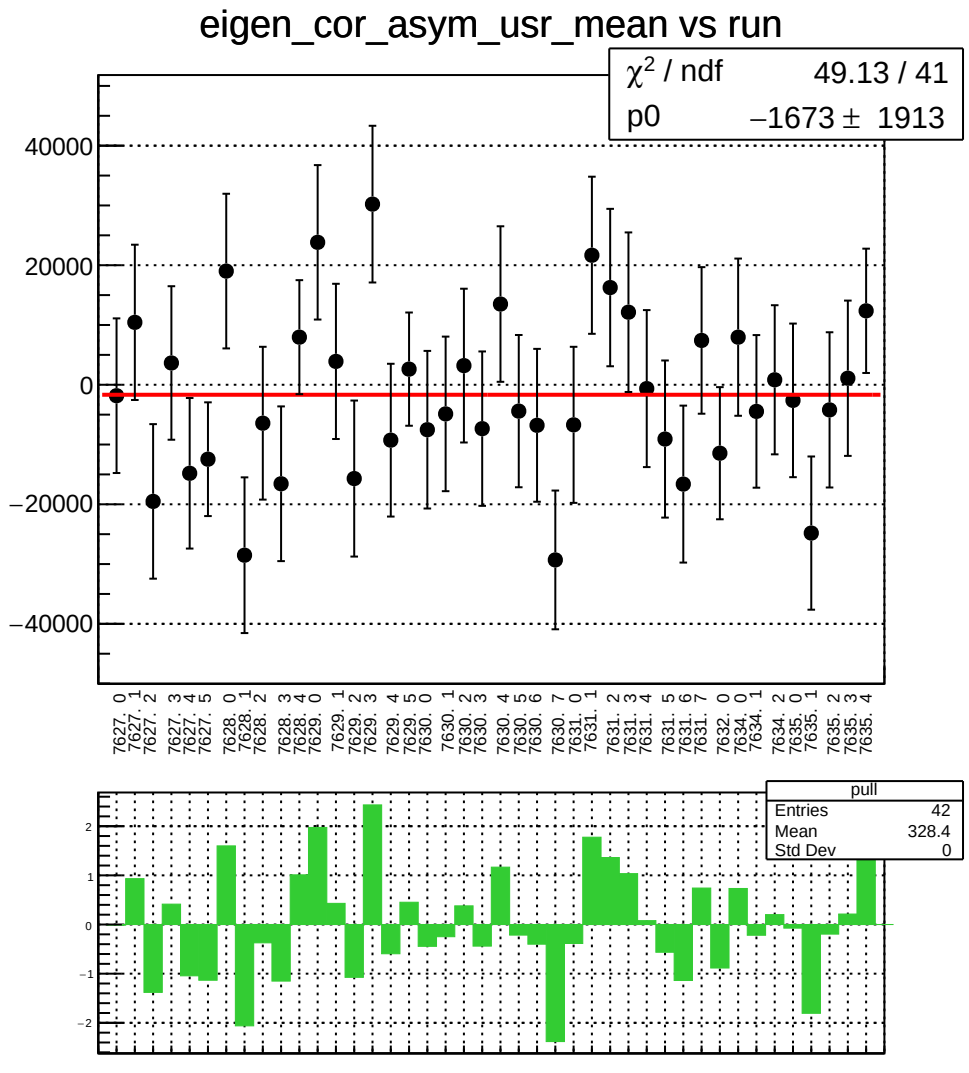

overload_cor_asym_usr_mean vs run
×10^3
χ² / ndf 33.24 / 41
p0 −1.082e+04 ± 4910
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1321
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

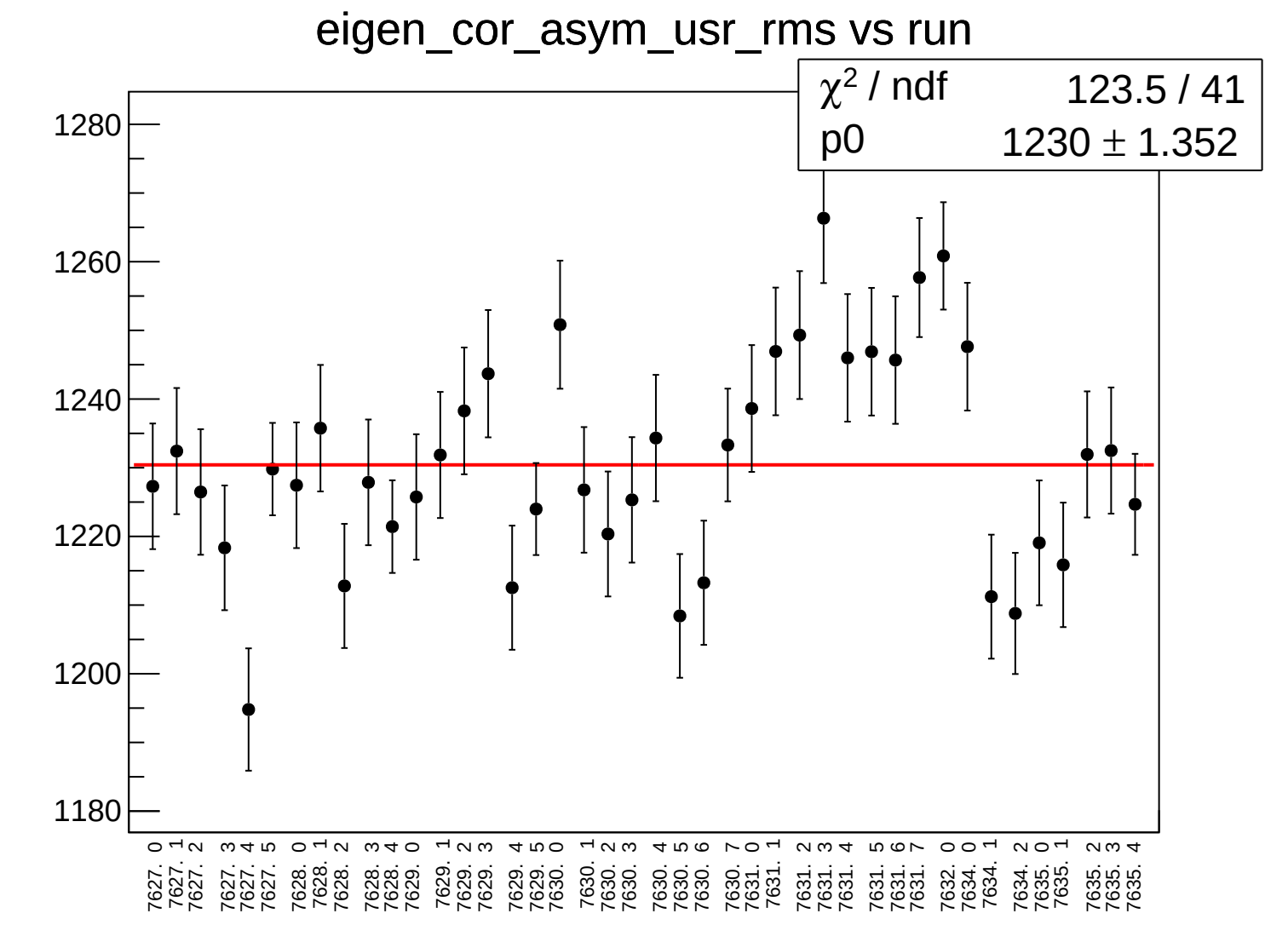

pull1D
Entries 42
Mean 0.0004326
Std Dev 0.8896
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_usr_rms vs run
χ² / ndf 1614 / 41
p0 3156 ± 3.472
3600
3500
3400
3300
3200
3100
3000
2900
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


eigen_cor_asym_usr_mean vs run
χ² / ndf 49.13 / 41
p0 −1673 ± 1913
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 328.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.001672
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_rms vs run
χ² / ndf 123.5 / 41
p0 1230 ± 1.352
1280
1260
1240
1220
1200
1180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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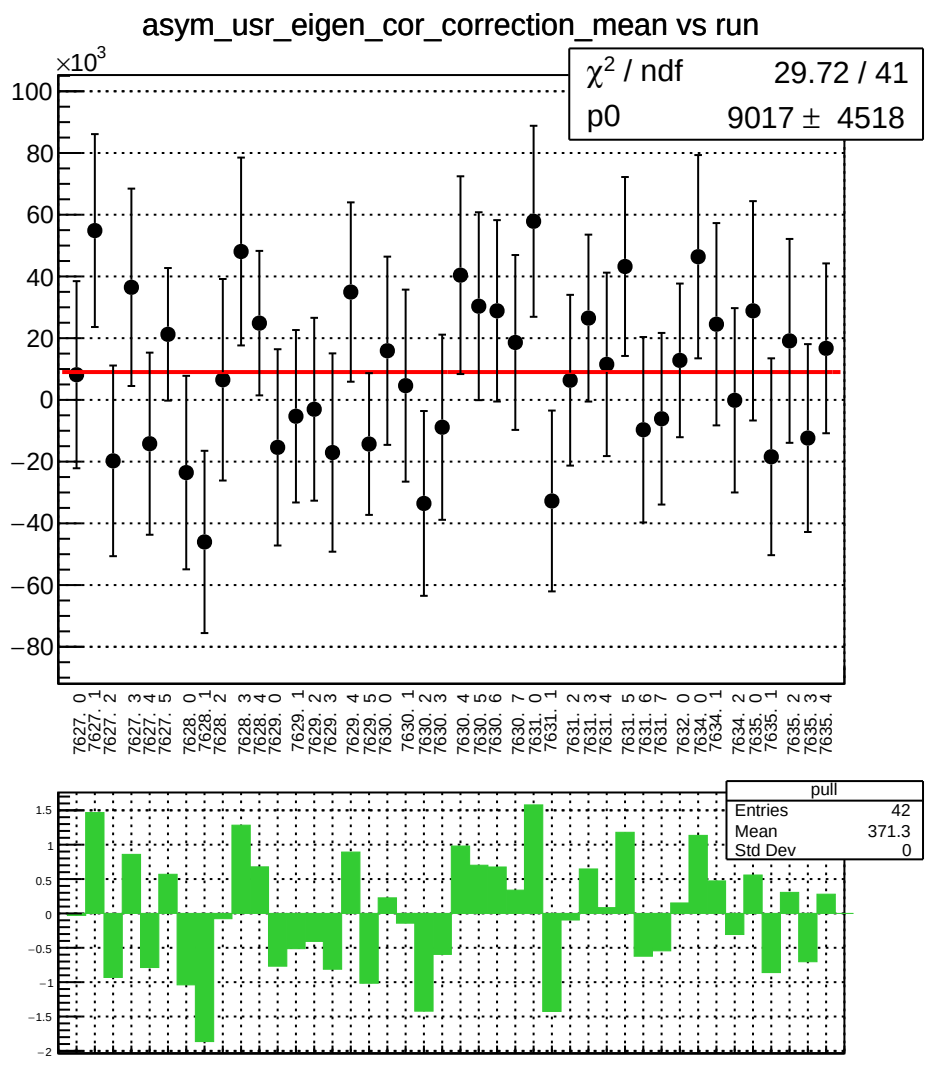
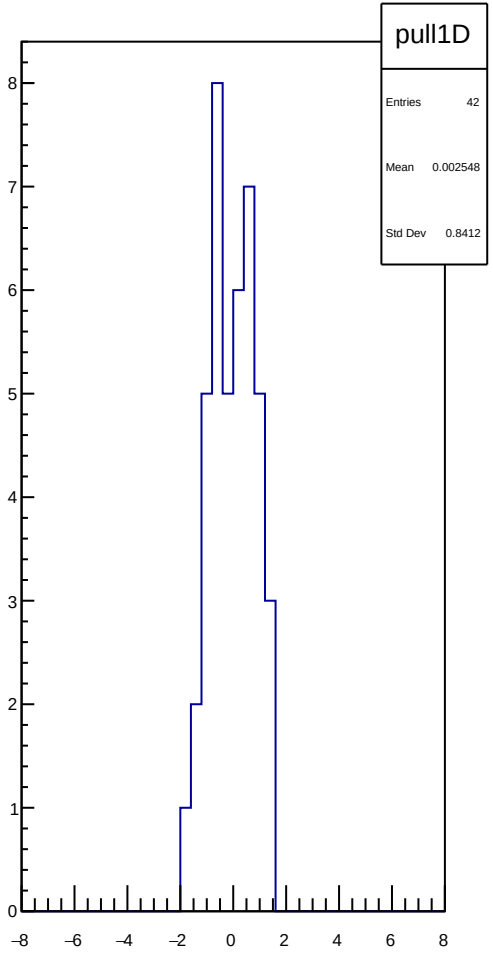
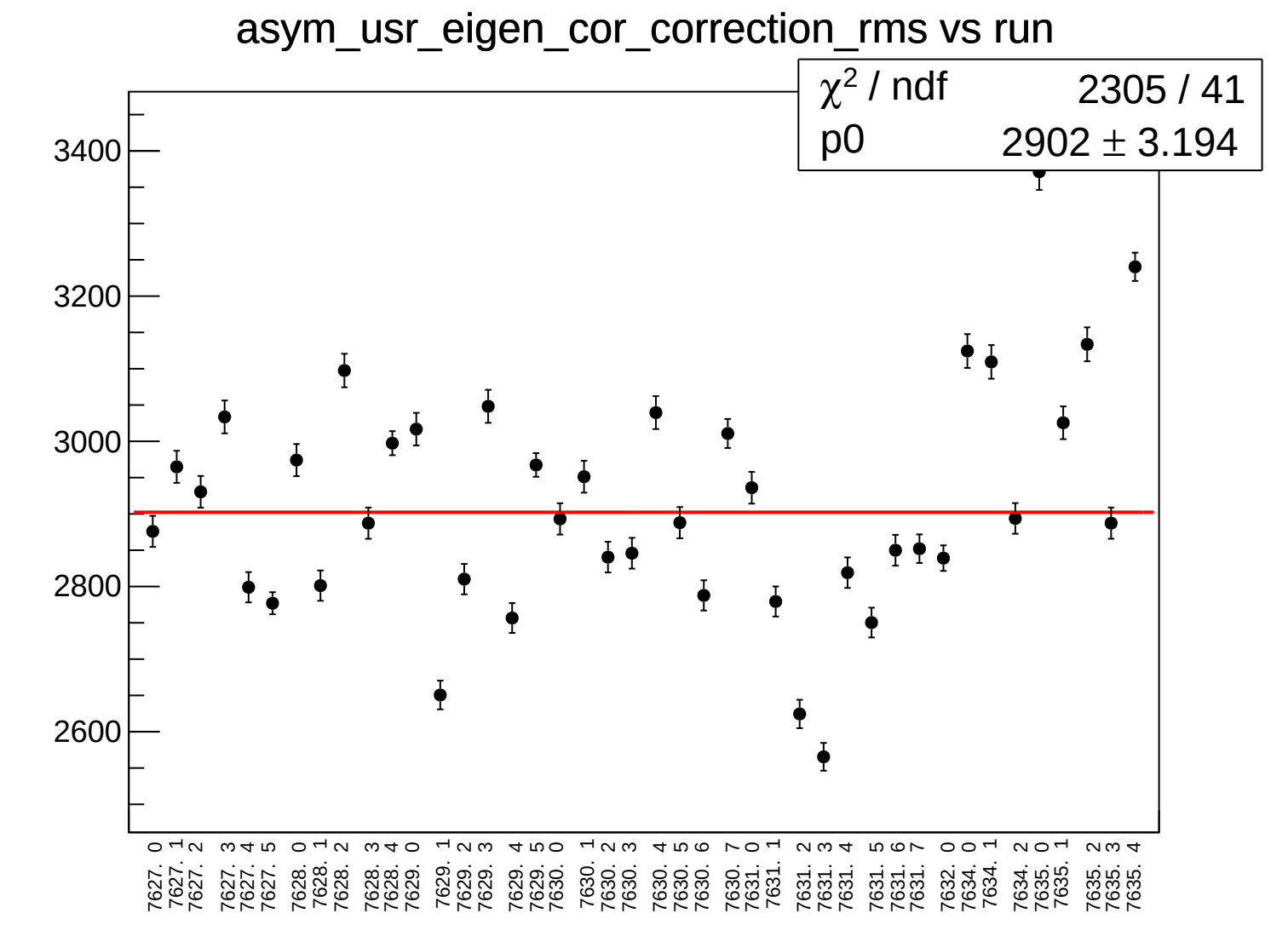
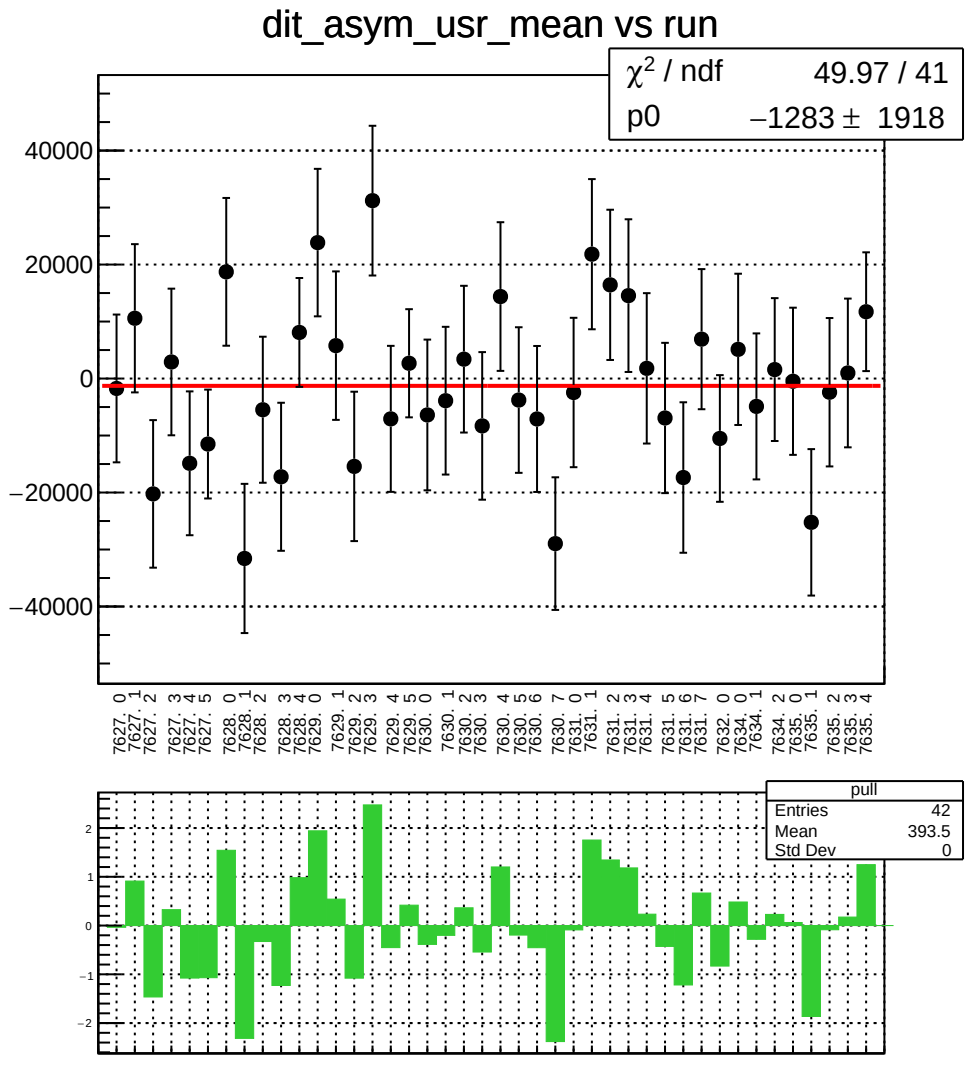
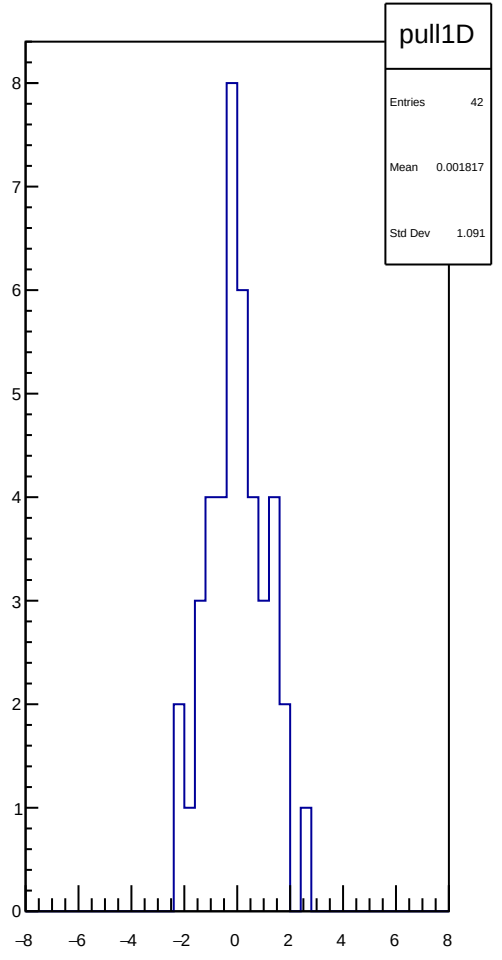
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

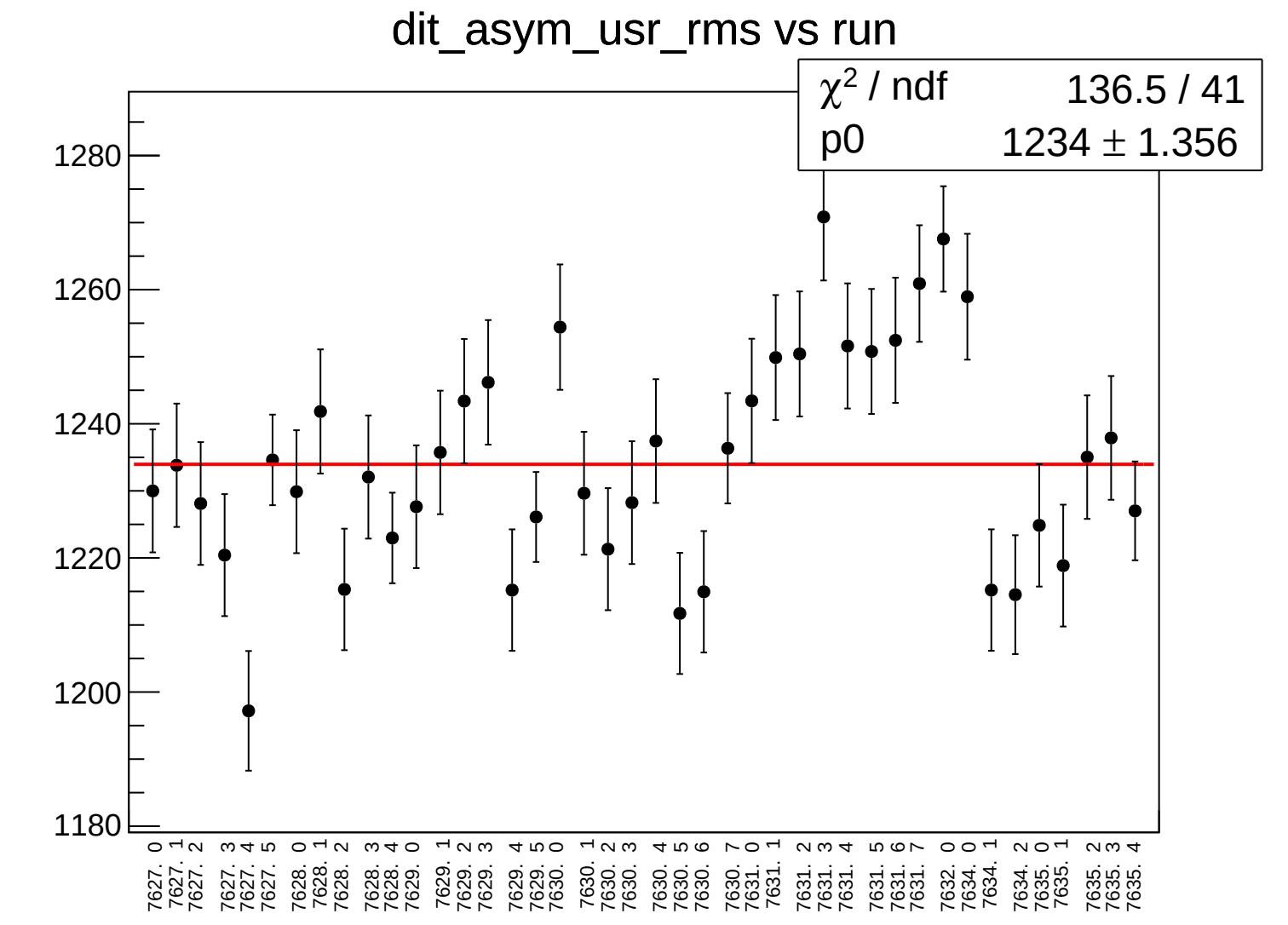

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.72 / 41
p0 9017 ± 4518
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 371.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

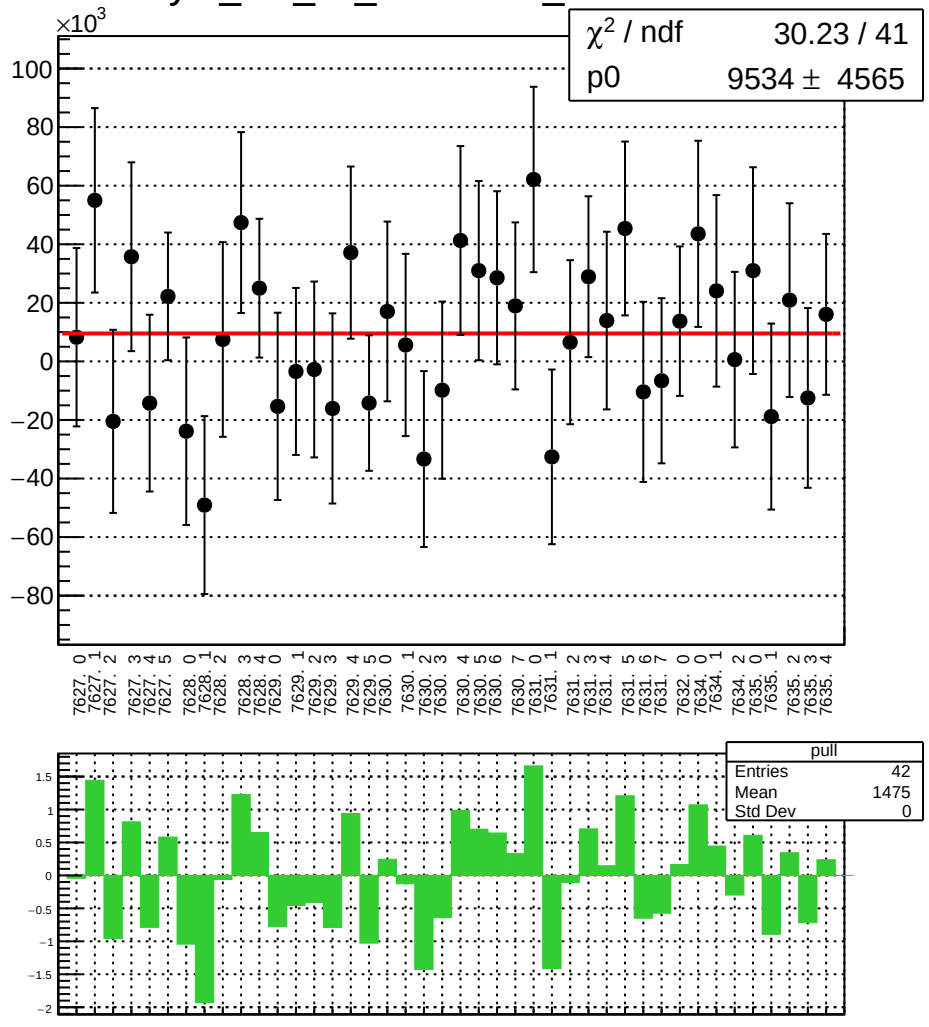

pull1D
Entries 42
Mean 0.002548
Std Dev 0.8412
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 2305 / 41
p0 2902 ± 3.194
3400
3200
3000
2800
2600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_usr_mean vs run
χ² / ndf 49.97 / 41
p0 −1283 ± 1918
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 393.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.001817
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_rms vs run
χ² / ndf 136.5 / 41
p0 1234 ± 1.356
1280
1260
1240
1220
1200
1180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_dit_correction_mean vs run
×10^3
χ² / ndf 30.23 / 41
p0 9534 ± 4565
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
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7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
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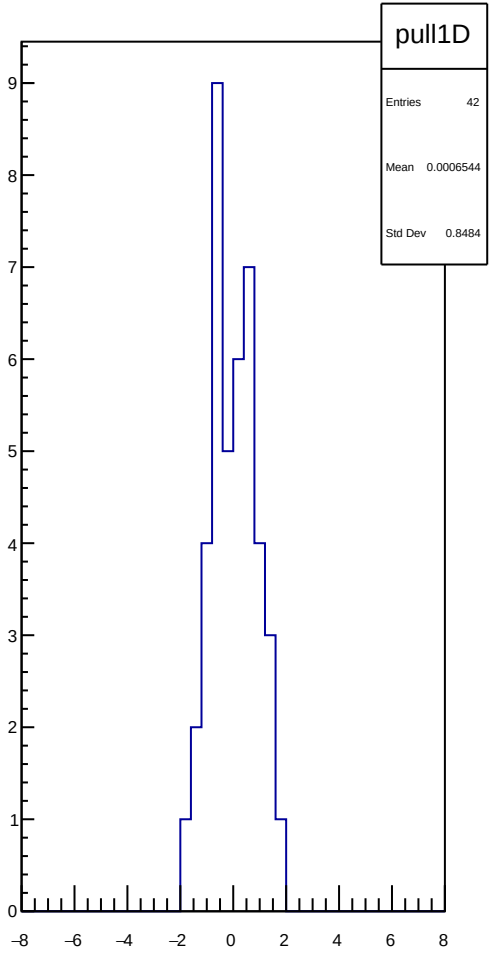
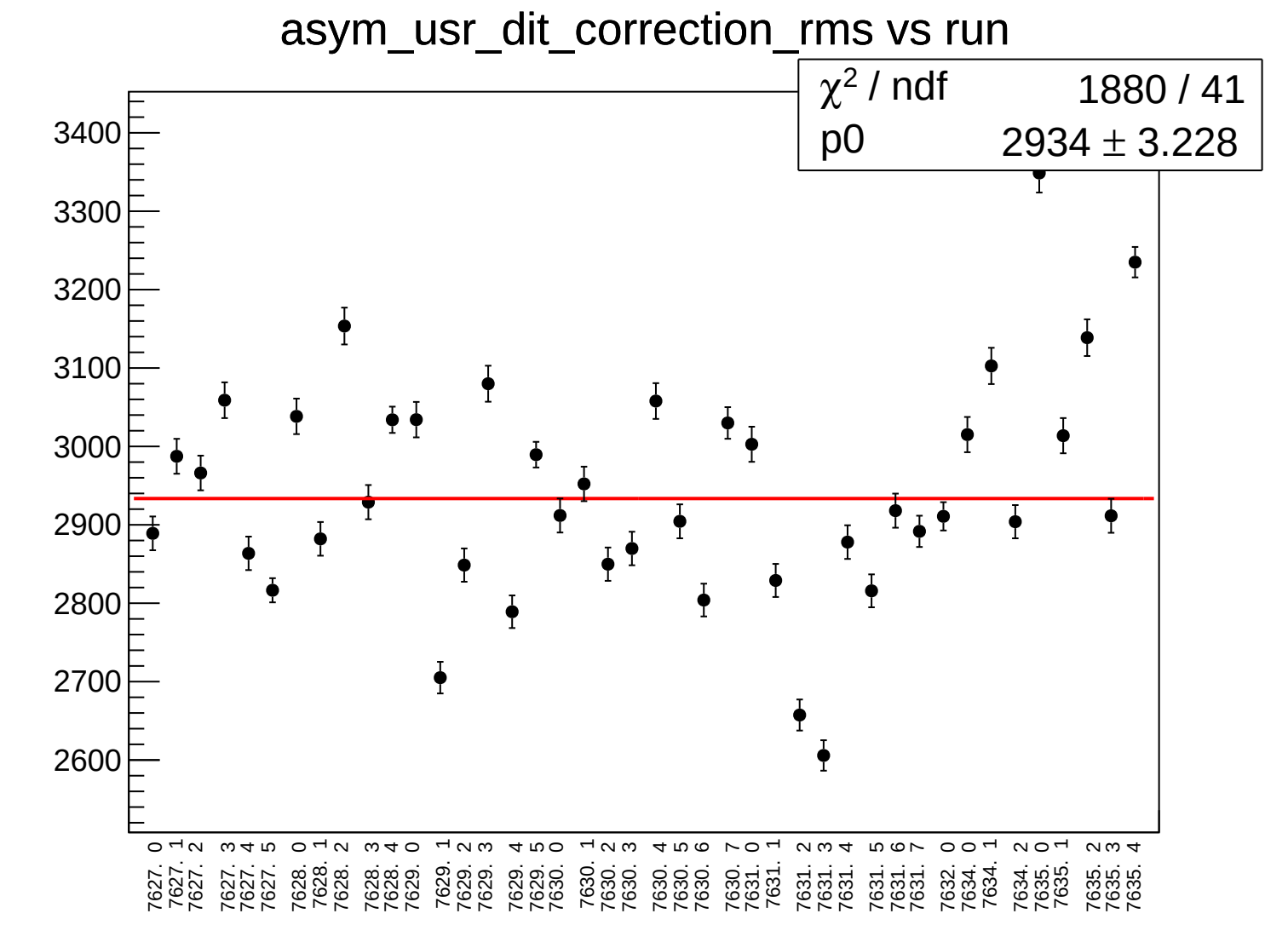
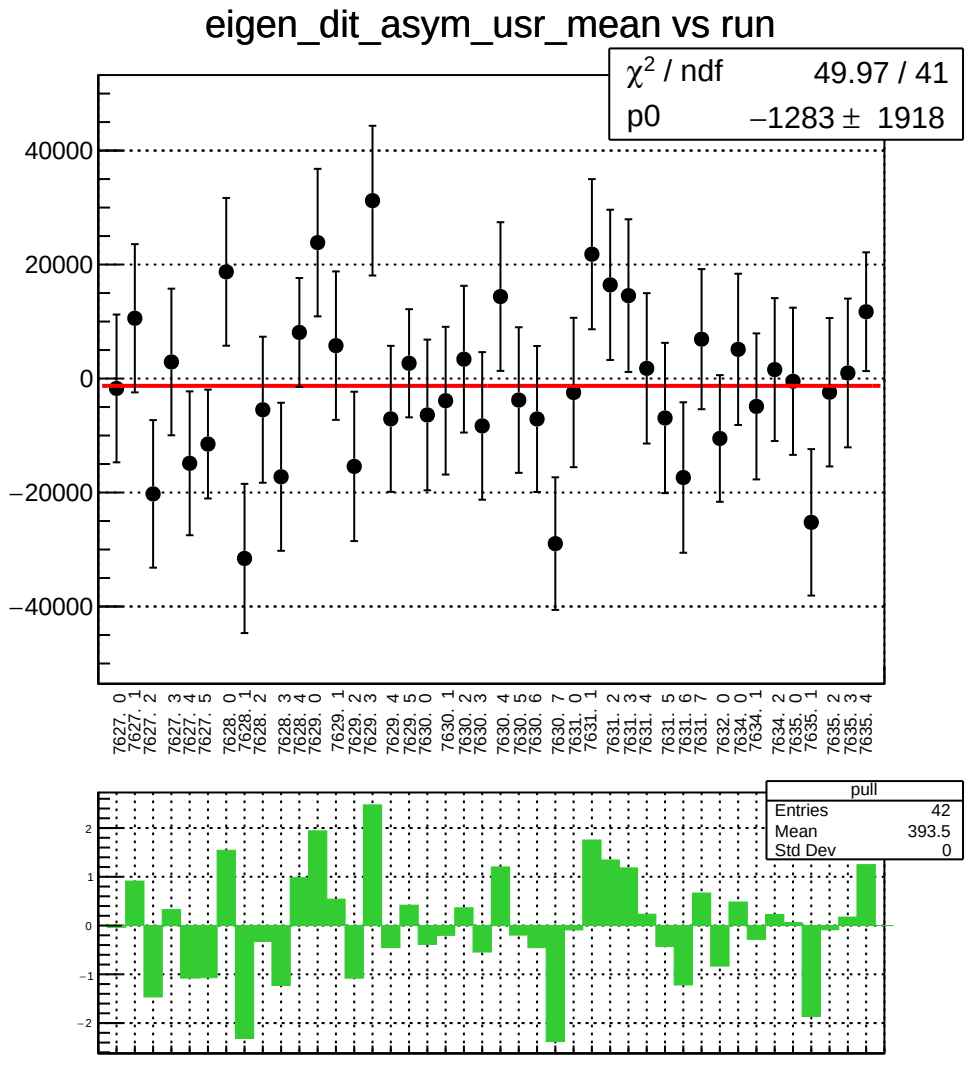
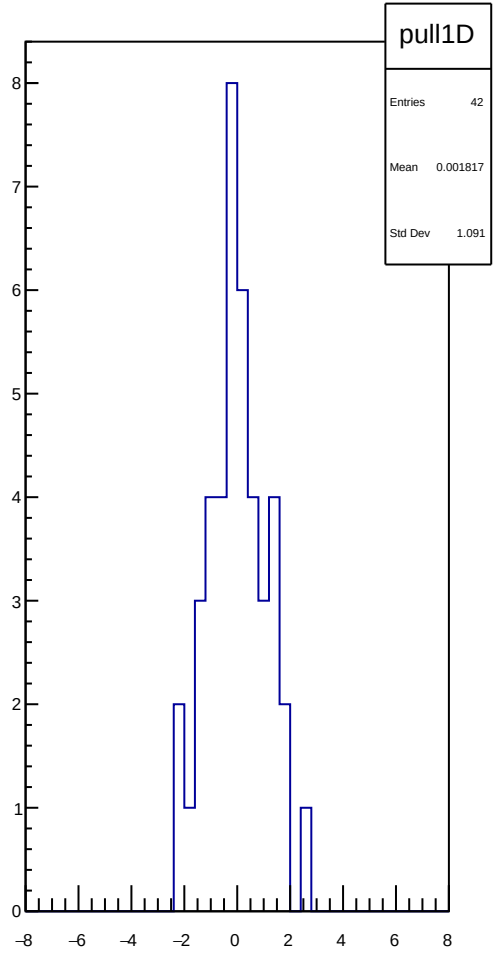
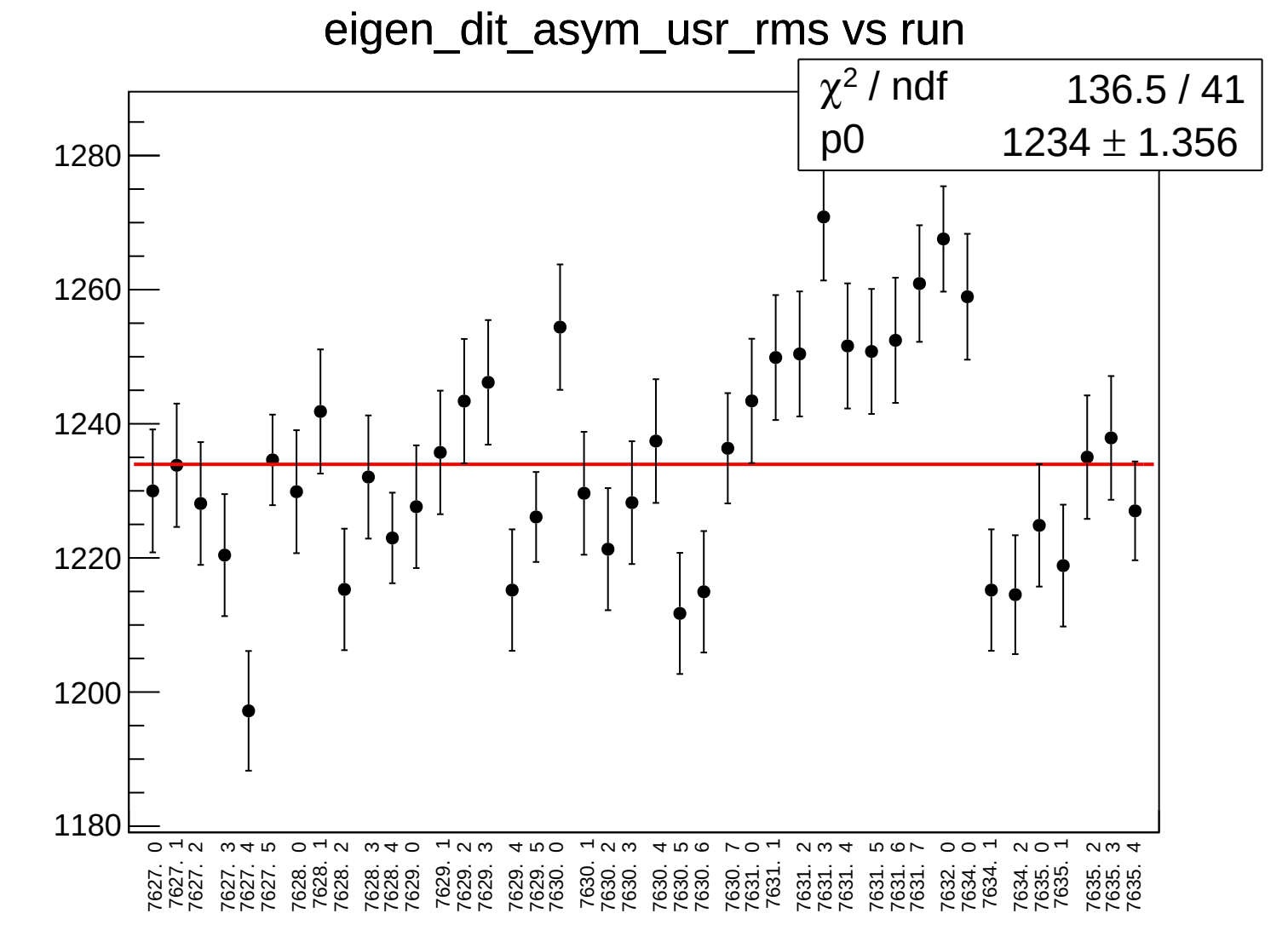
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1475
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

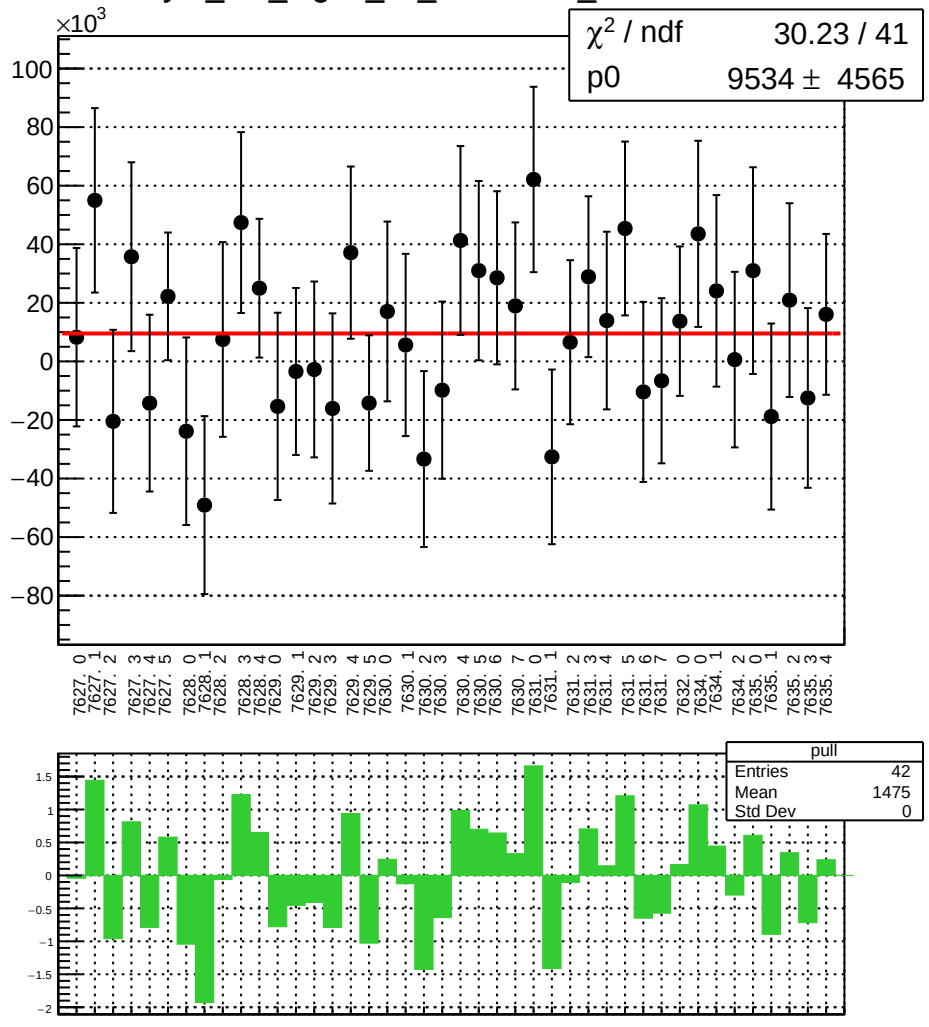

pull1D
Entries 42
Mean 0.0006544
Std Dev 0.8484
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

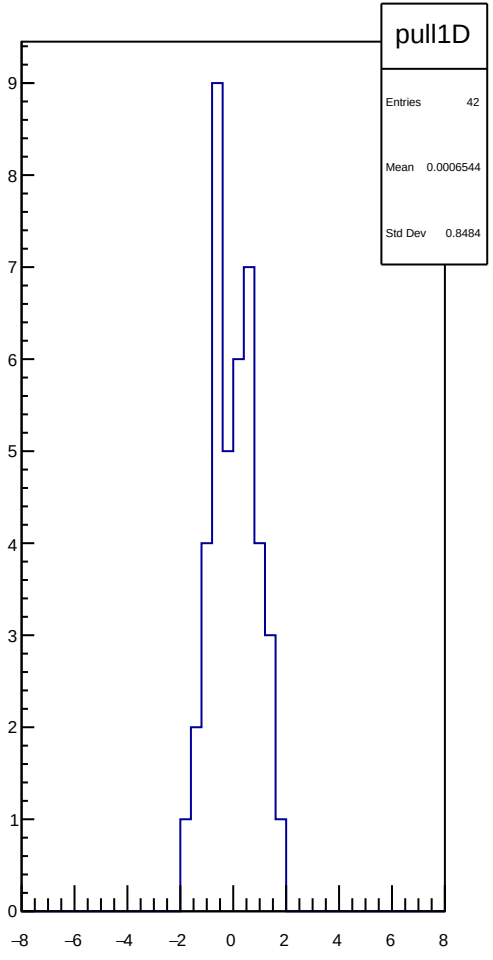

asym_usr_dit_correction_rms vs run
χ² / ndf 1880 / 41
p0 2934 ± 3.228
3400
3300
3200
3100
3000
2900
2800
2700
2600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

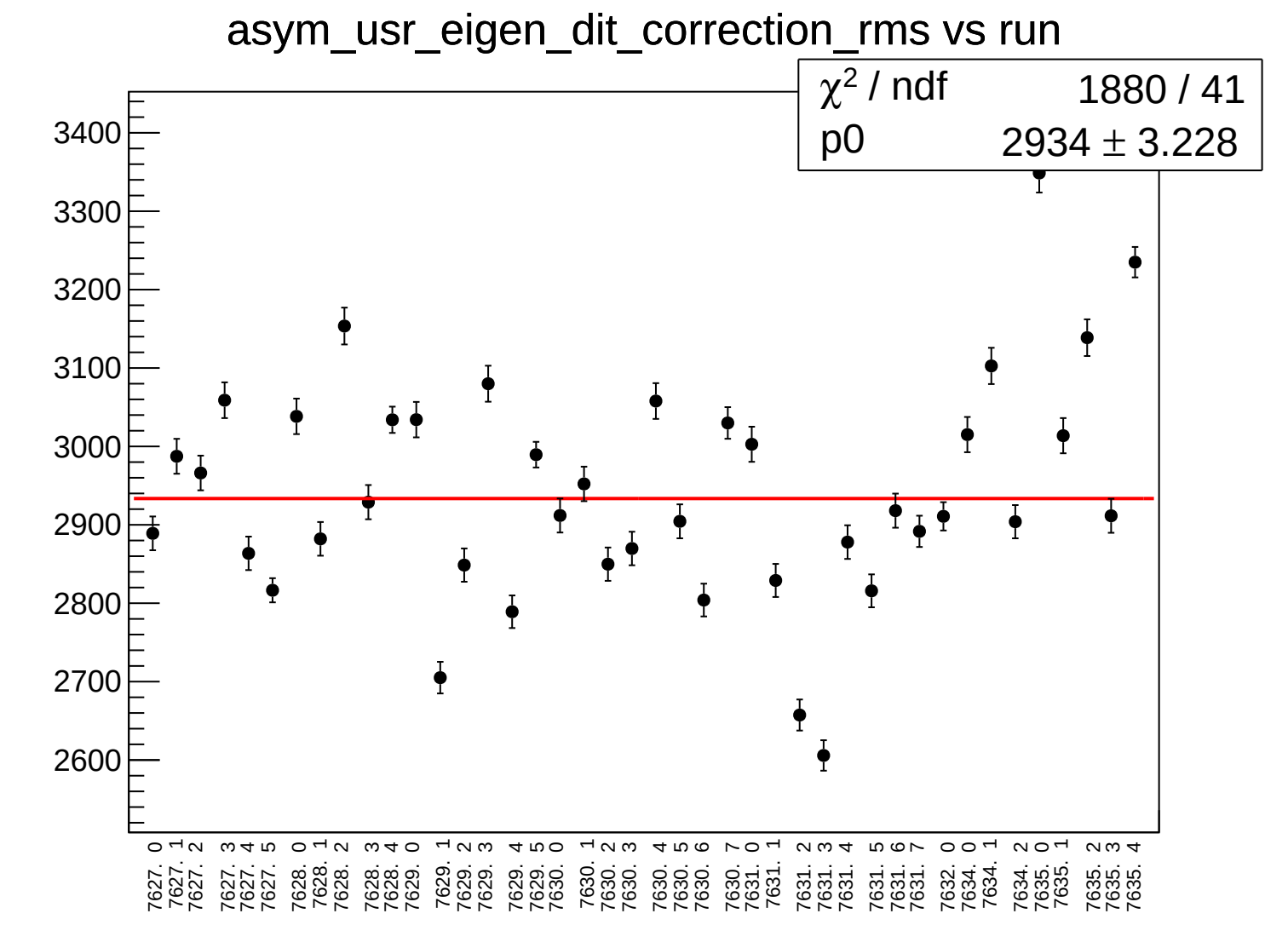

eigen_dit_asym_usr_mean vs run
χ² / ndf 49.97 / 41
p0 −1283 ± 1918
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 393.5
Std Dev 0
2
1
0
−1
−2

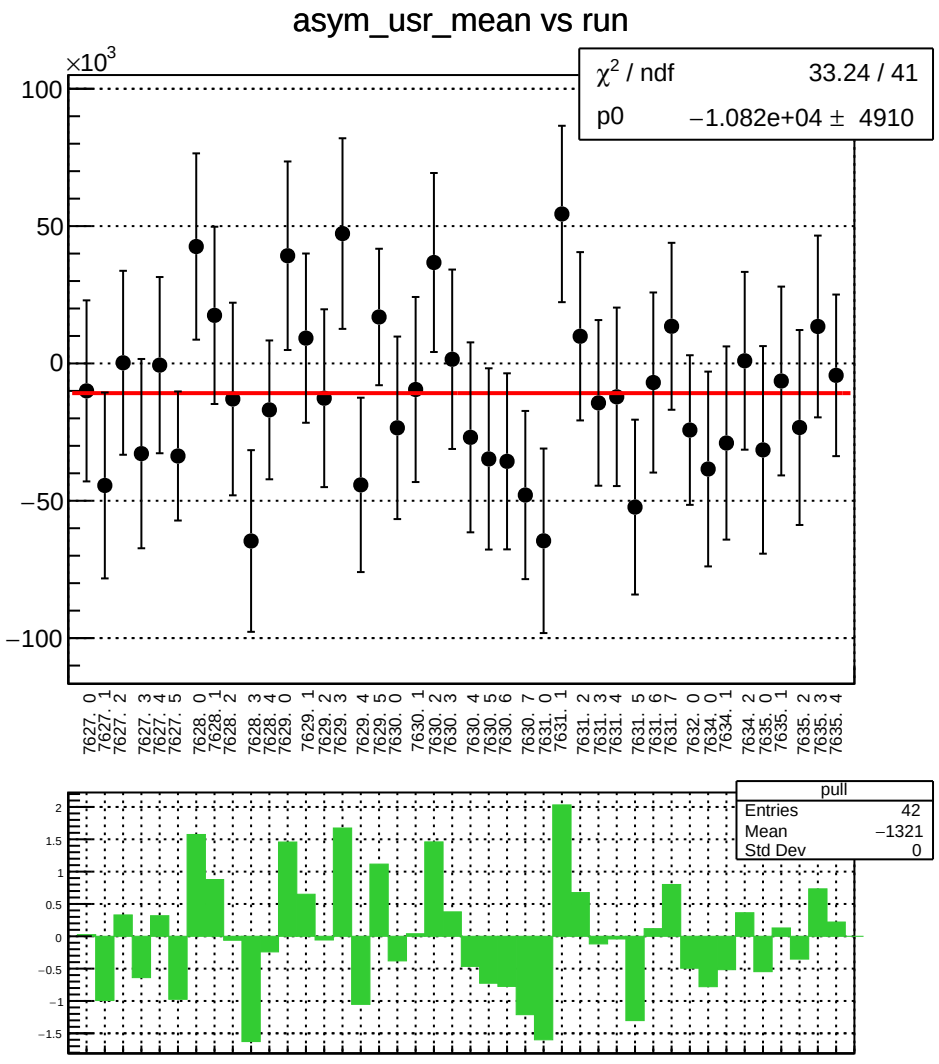

pull1D
Entries 42
Mean 0.001817
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

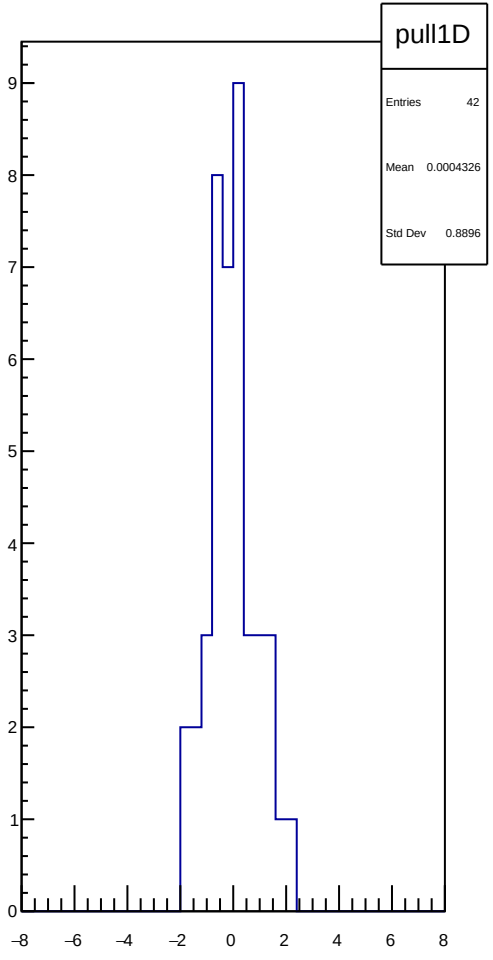

eigen_dit_asym_usr_rms vs run
χ² / ndf 136.5 / 41
p0 1234 ± 1.356
1280
1260
1240
1220
1200
1180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

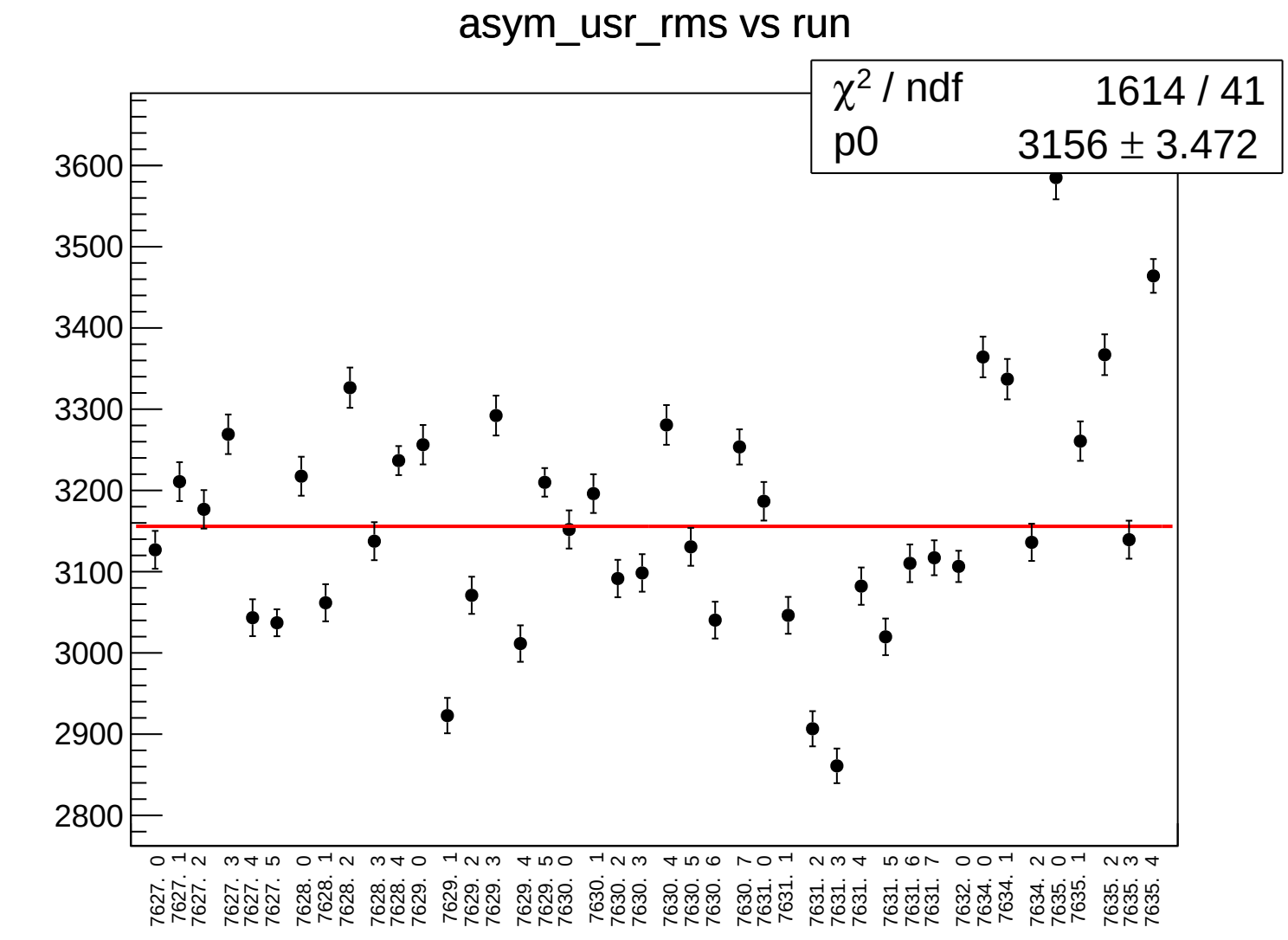

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.23 / 41
p0 9534 ± 4565
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1475
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

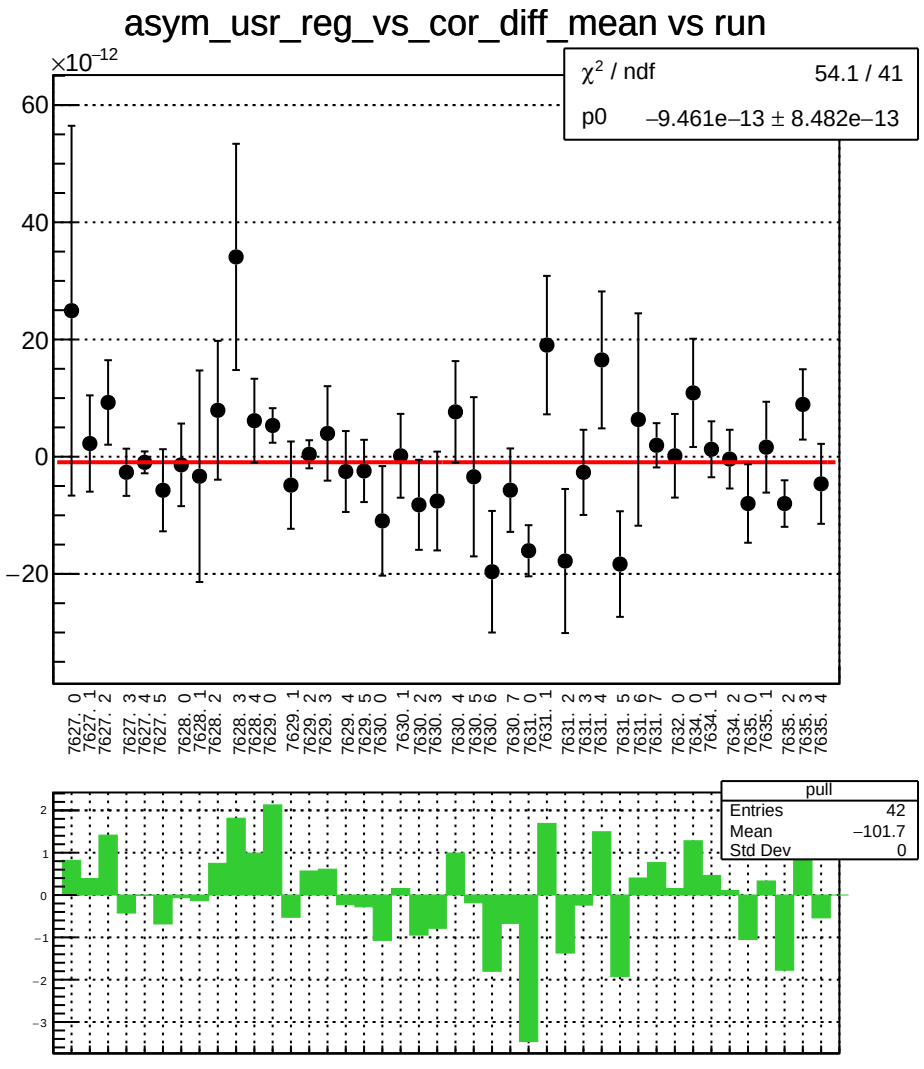

pull1D
Entries 42
Mean 0.0006544
Std Dev 0.8484
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

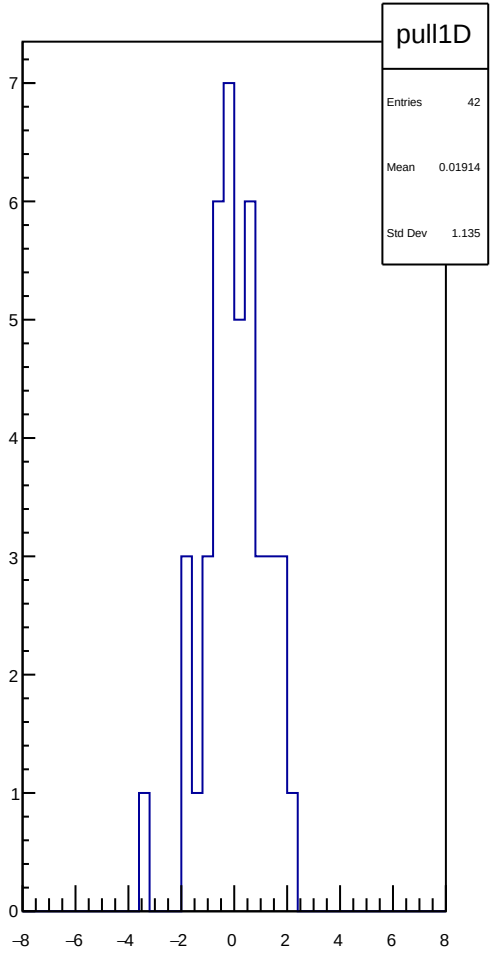

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 1880 / 41
p0 2934 ± 3.228
3400
3300
3200
3100
3000
2900
2800
2700
2600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

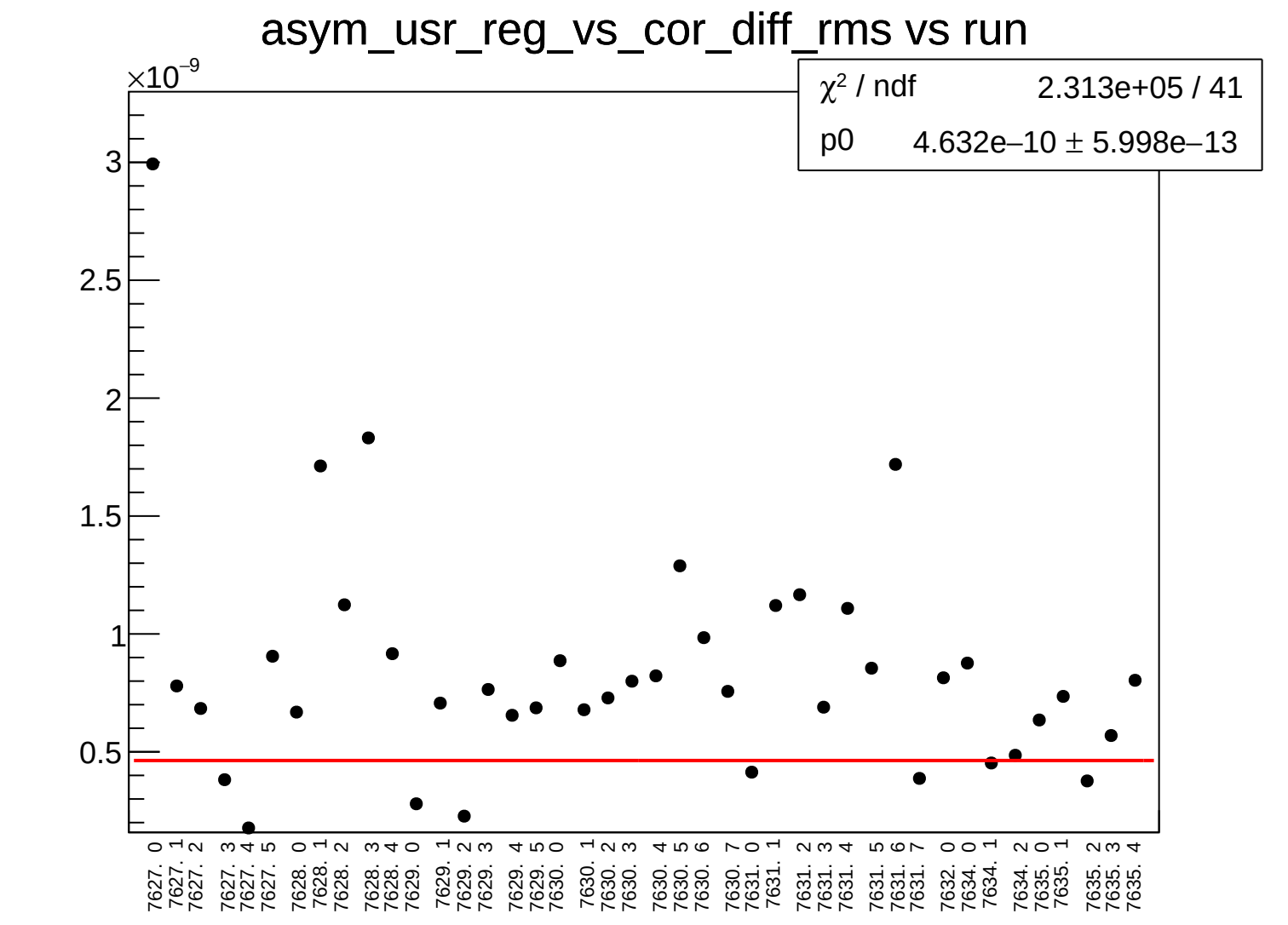

asym_usr_mean vs run
×10^3
χ² / ndf 33.24 / 41
p0 −1.082e+04 ± 4910
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1321
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

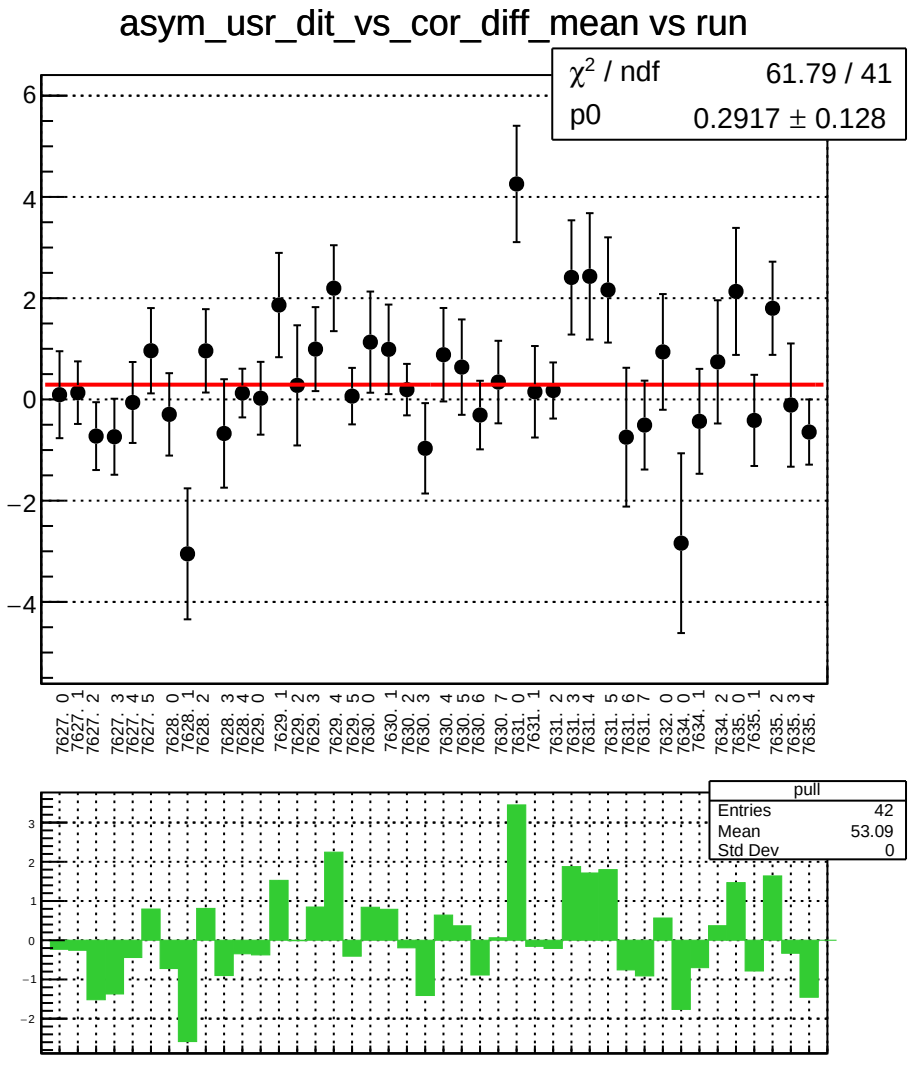

pull1D
Entries 42
Mean 0.0004326
Std Dev 0.8896
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

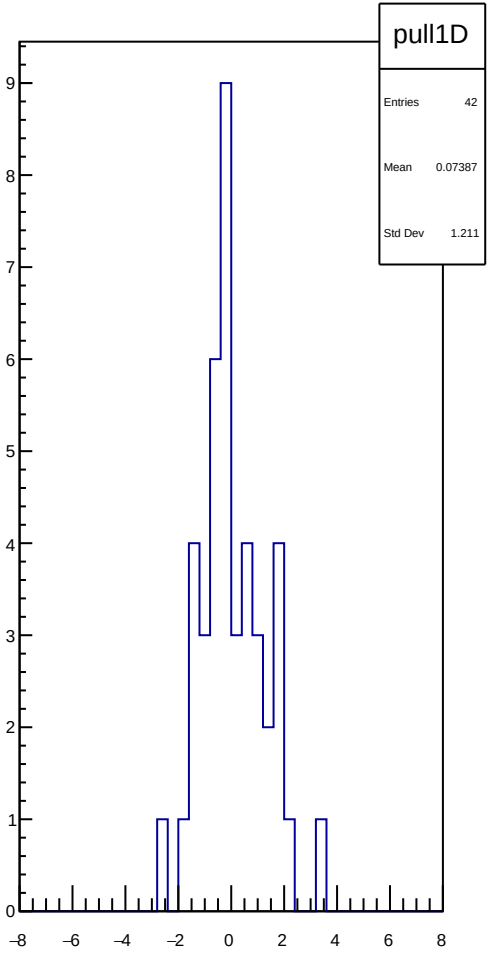

asym_usr_rms vs run
χ² / ndf 1614 / 41
p0 3156 ± 3.472
3600
3500
3400
3300
3200
3100
3000
2900
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

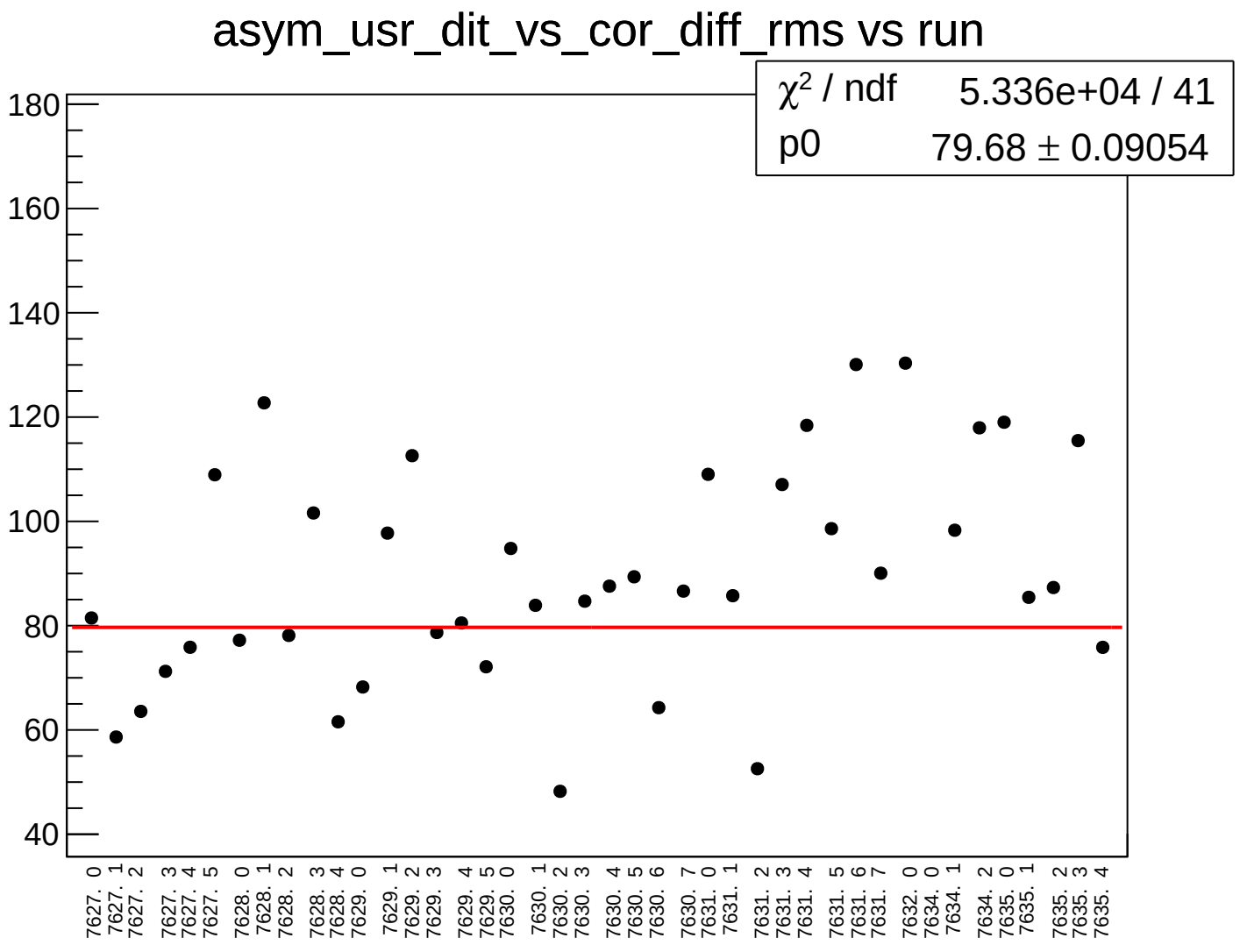

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.1 / 41
p0 −9.461e−13 ± 8.482e−13
60
40
20
0
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −101.7
Std Dev 0
2
1
0
−1
−2
−3

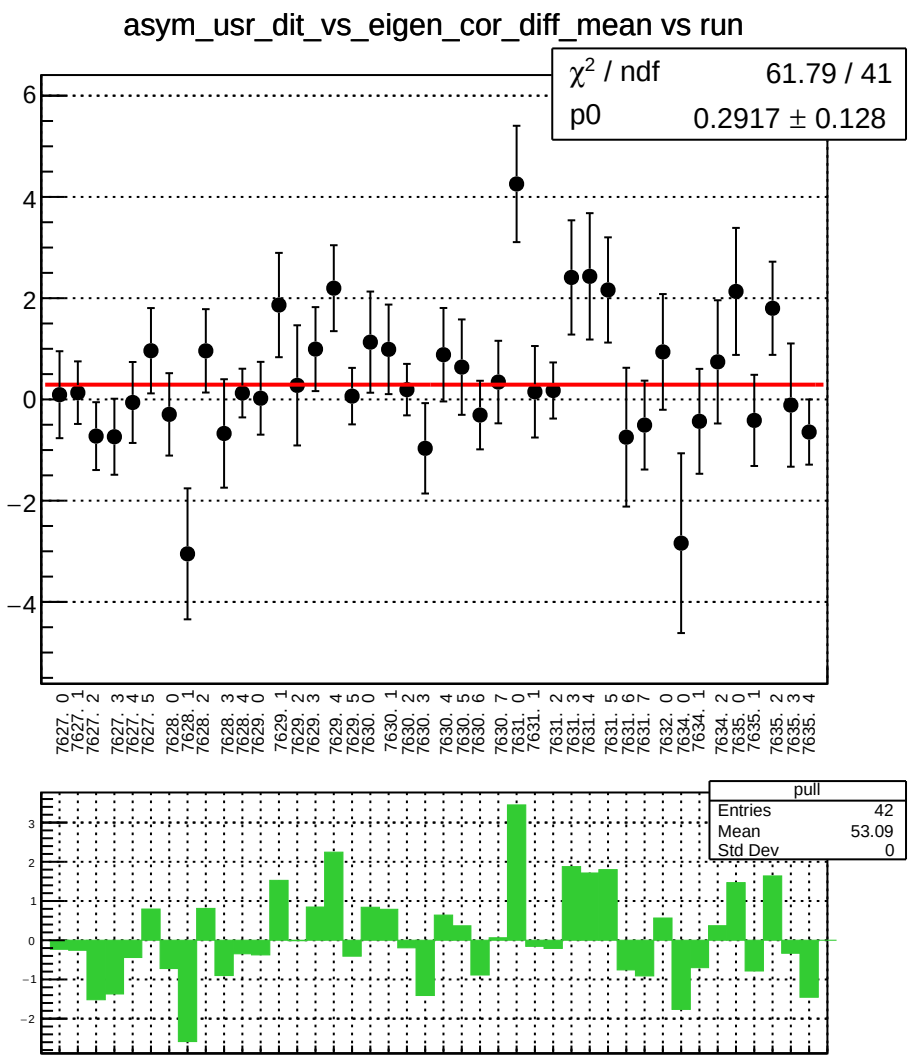

pull1D
Entries 42
Mean 0.01914
Std Dev 1.135
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

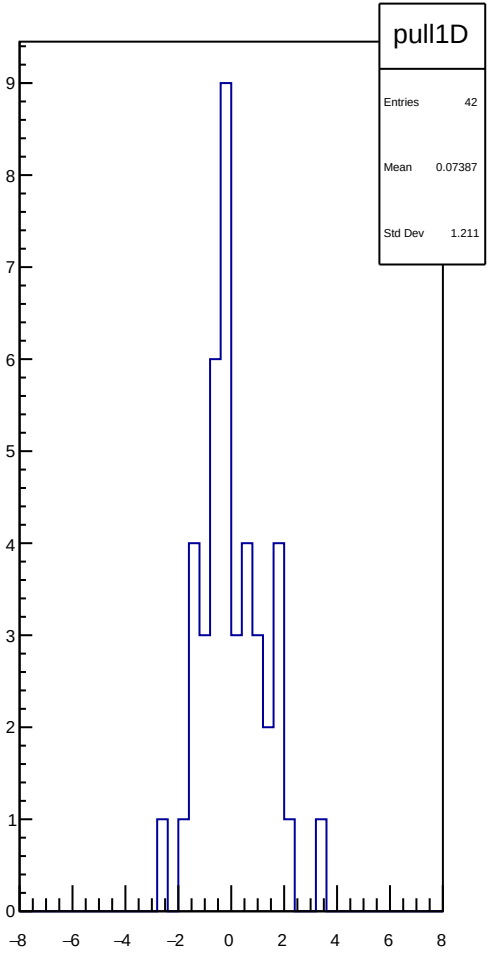

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.313e+05 / 41
p0 4.632e−10 ± 5.998e−13
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

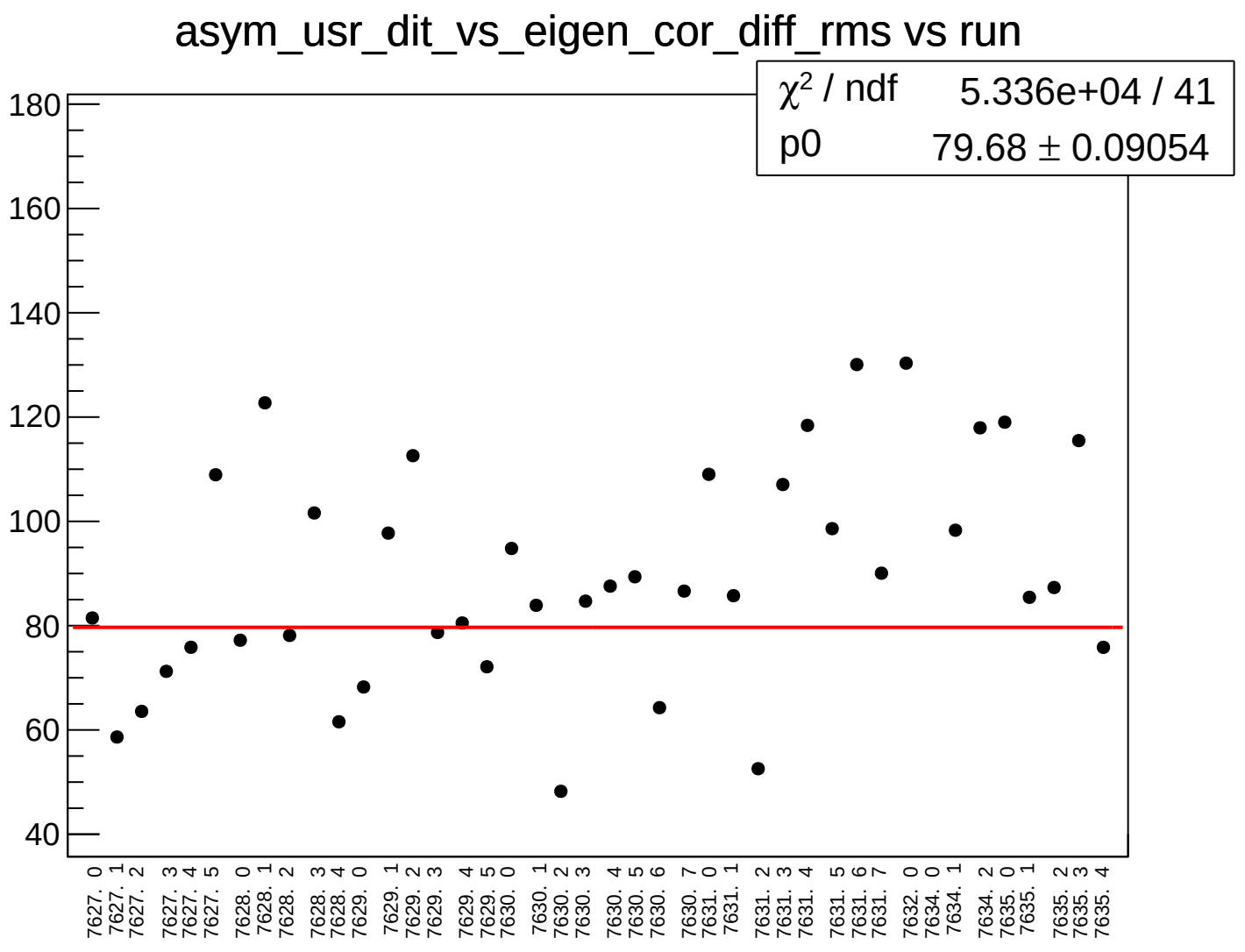

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 61.79 / 41
p0 0.2917 ± 0.128
pull
Entries 42
Mean 53.09
Std Dev 0

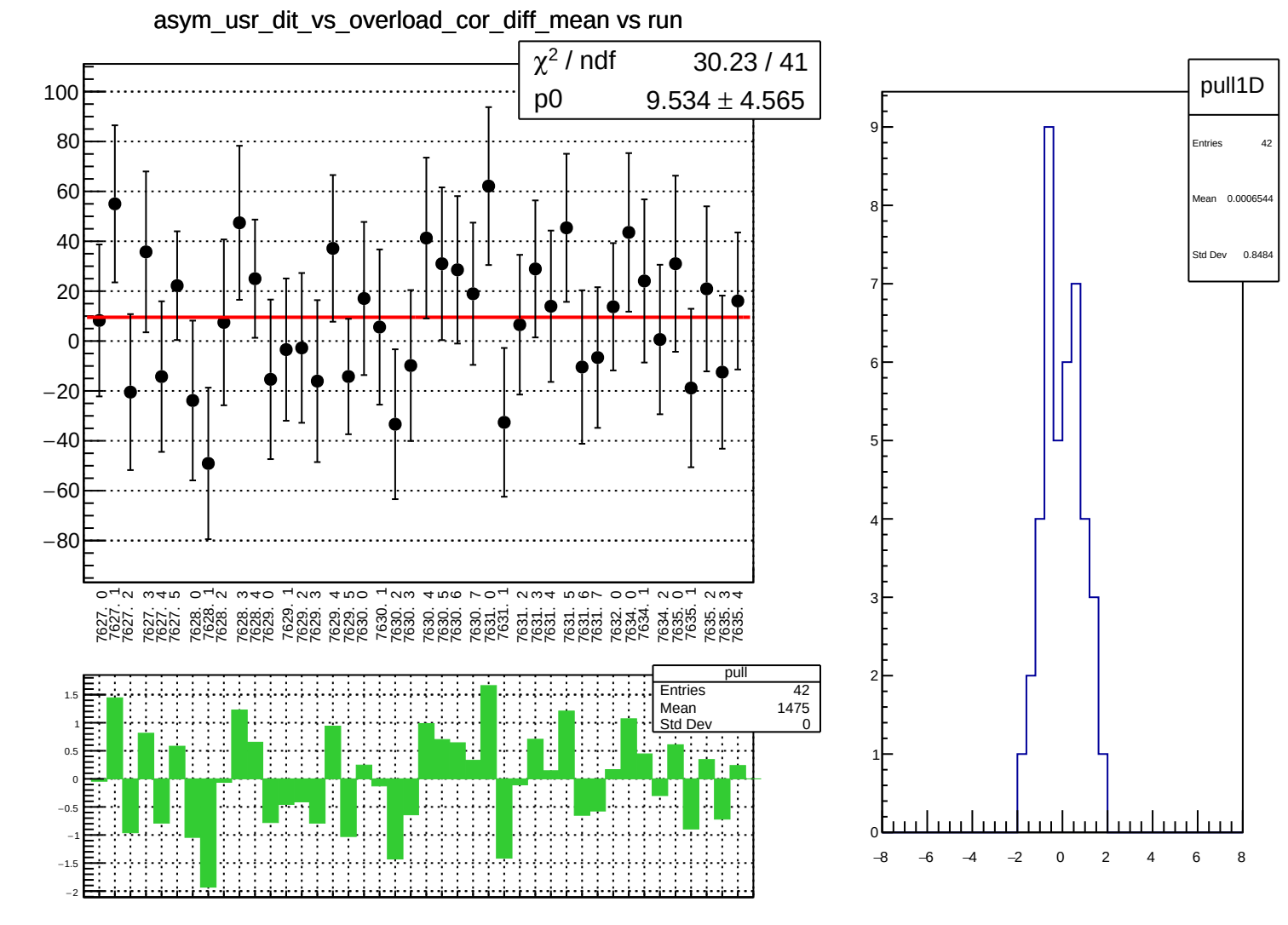

pull1D
Entries 42
Mean 0.07387
Std Dev 1.211

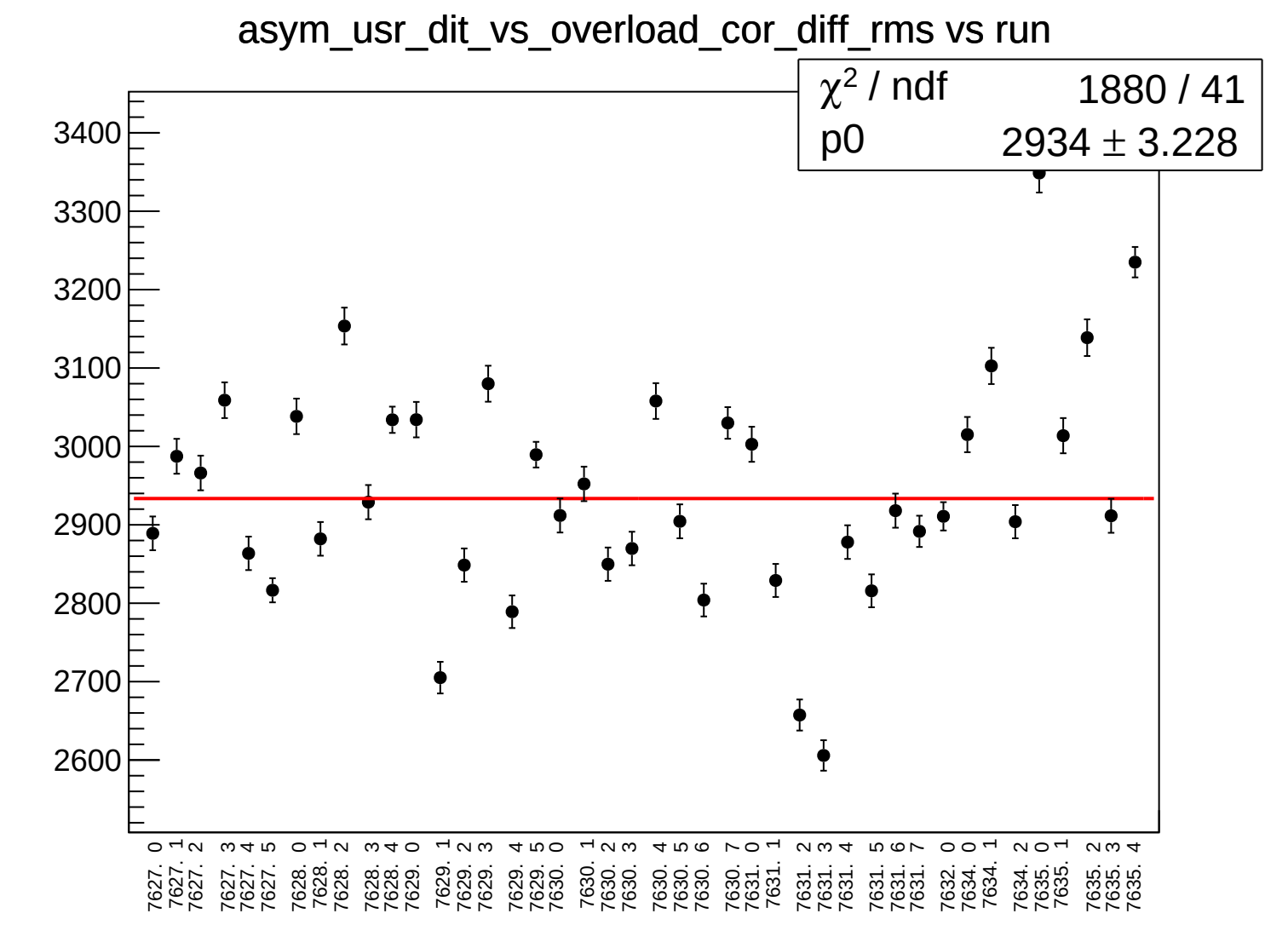

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 5.336e+04 / 41
p0 79.68 ± 0.09054
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

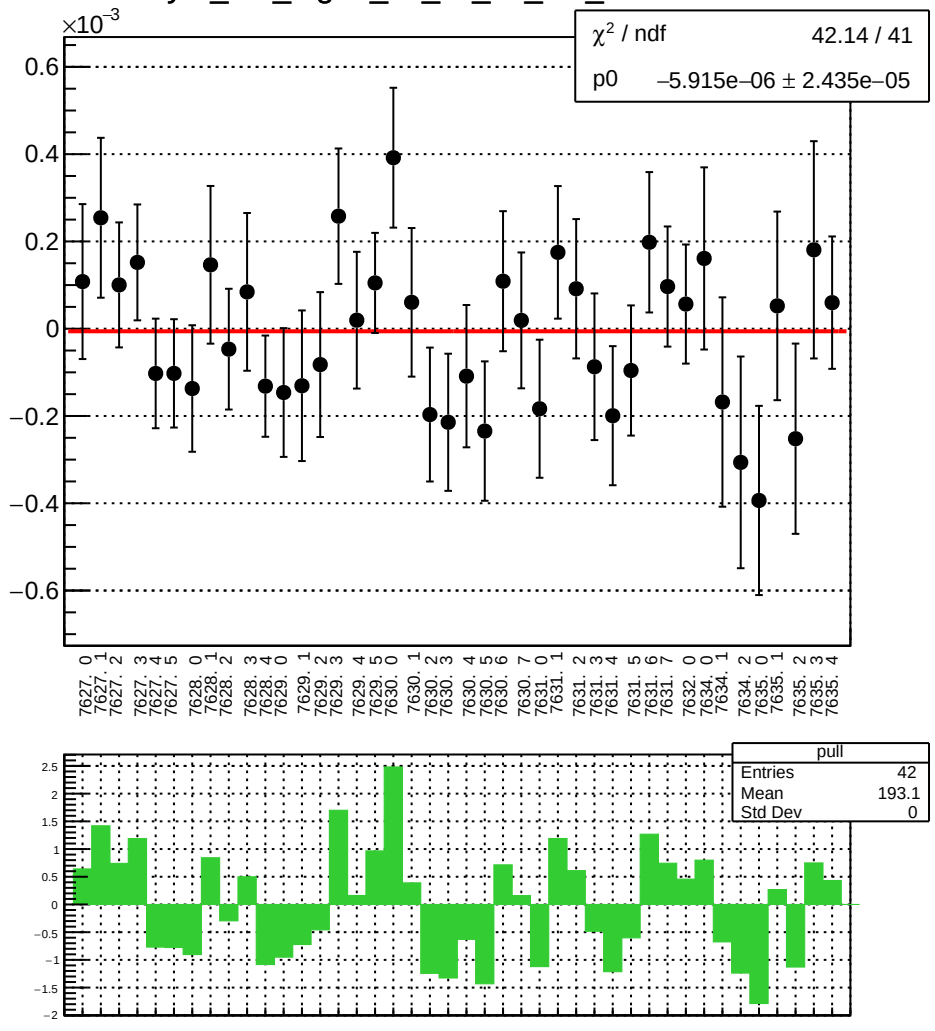

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.79 / 41
p0 0.2917 ± 0.128
pull
Entries 42
Mean 53.09
Std Dev 0

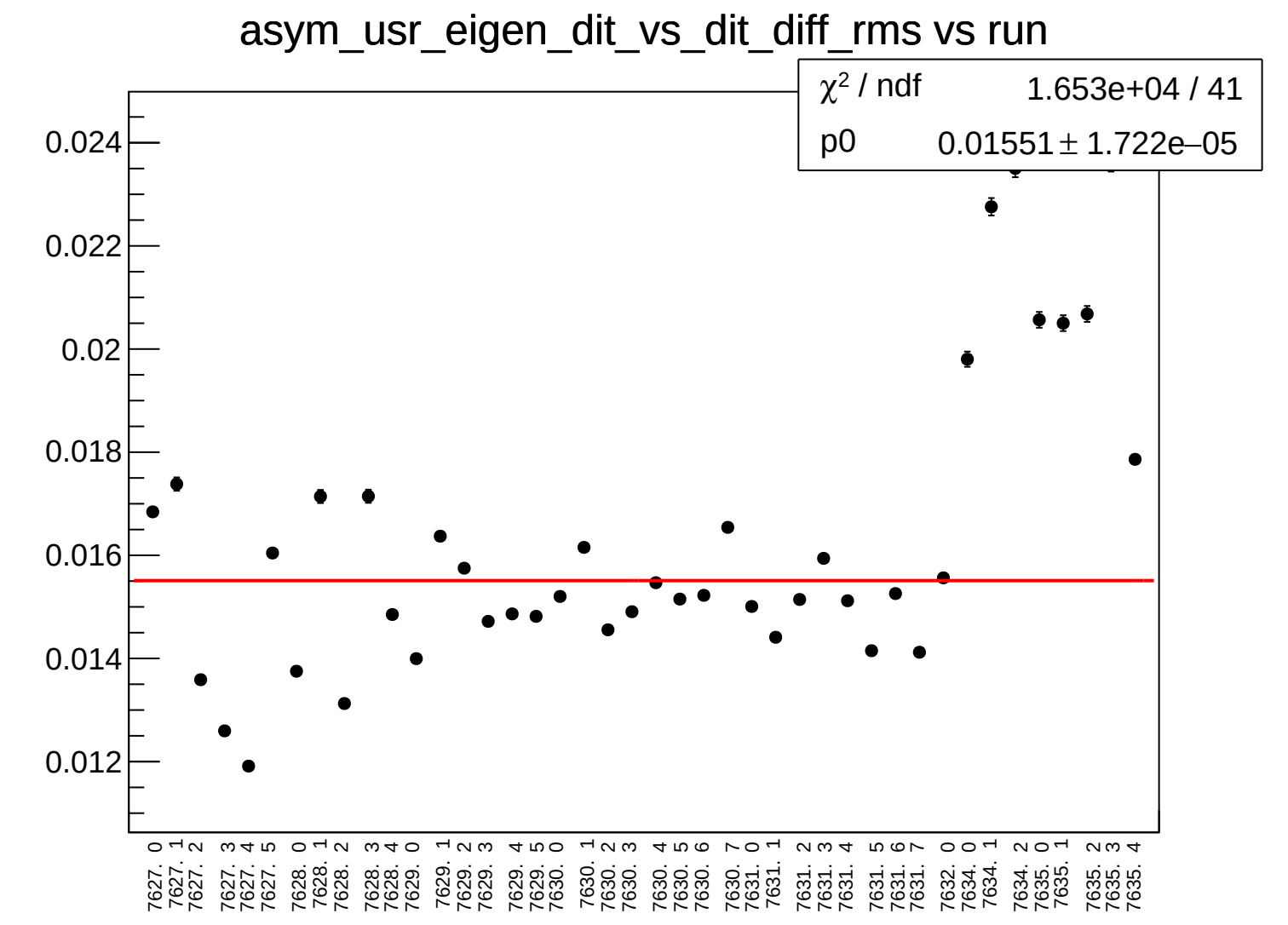

pull1D
Entries 42
Mean 0.07387
Std Dev 1.211

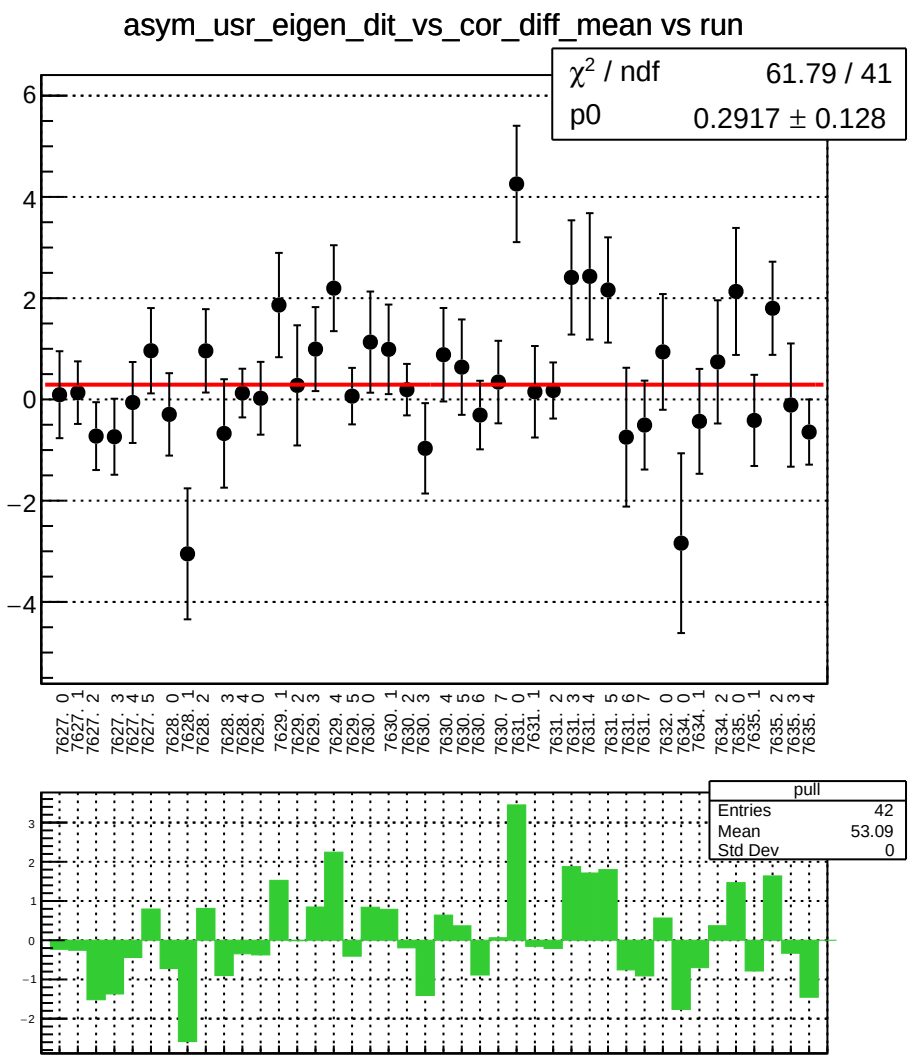

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.336e+04 / 41
p0 79.68 ± 0.09054
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

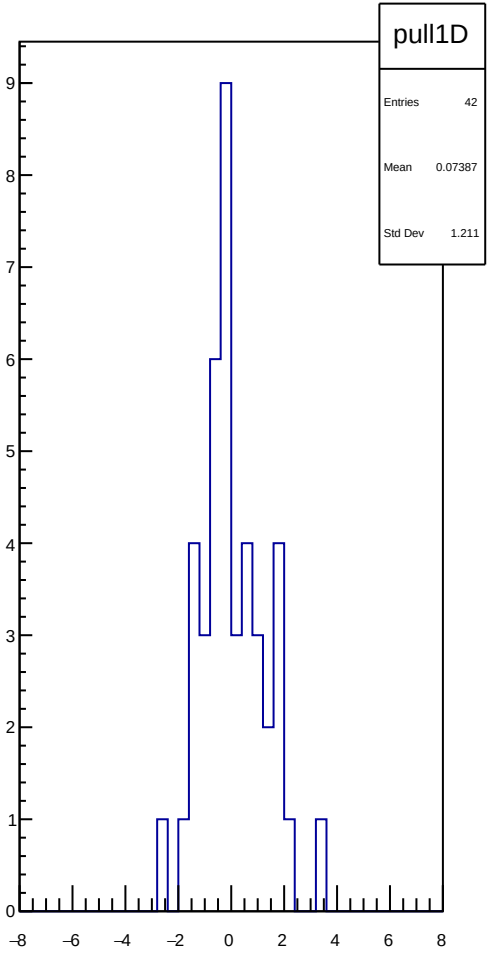

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 30.23 / 41
p0 9.534 ± 4.565
pull
Entries 42
Mean 1475
Std Dev 0
pull1D
Entries 42
Mean 0.0006544
Std Dev 0.8484

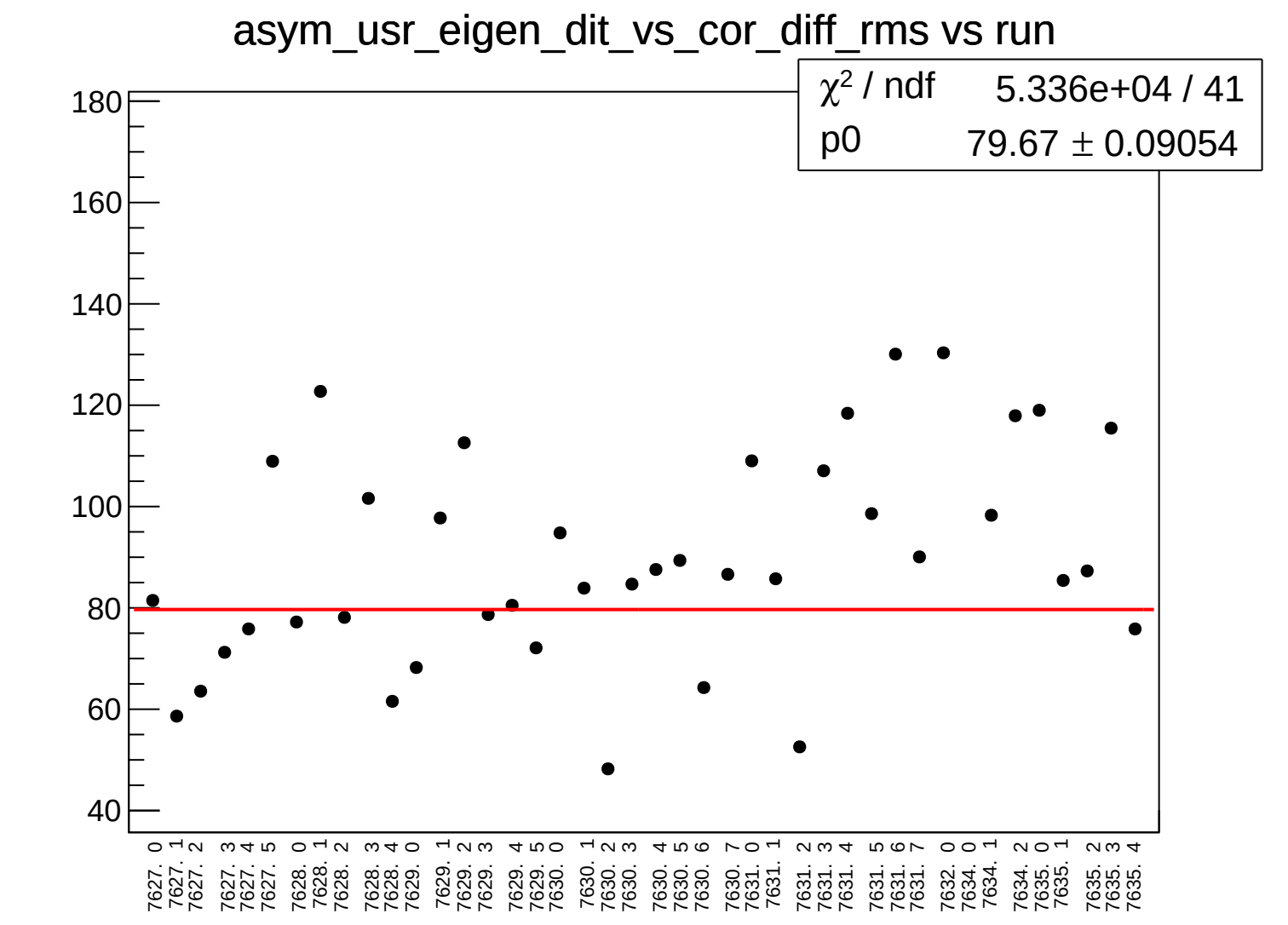

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1880 / 41
p0 2934 ± 3.228
3400
3300
3200
3100
3000
2900
2800
2700
2600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

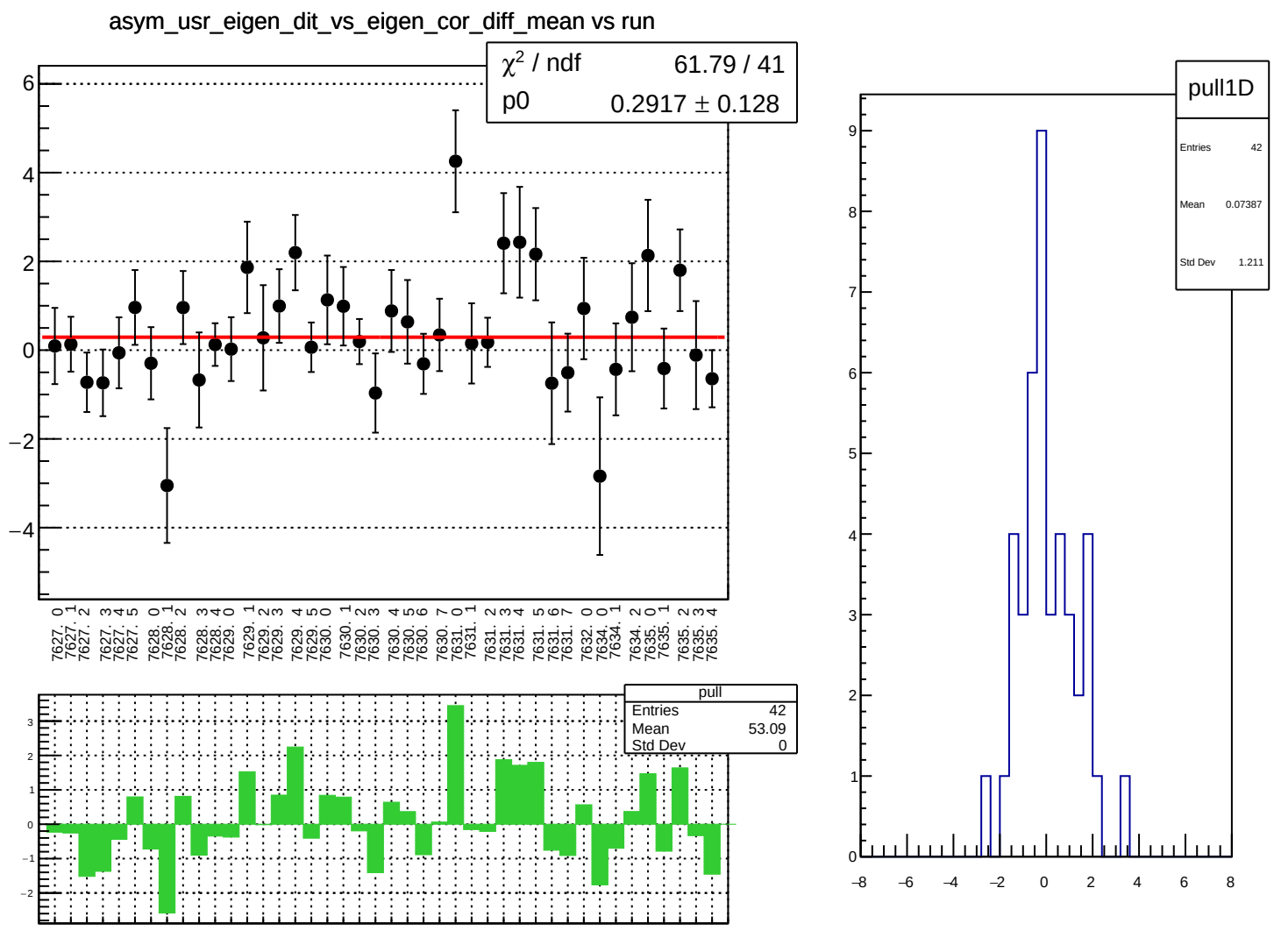

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.14 / 41
p0 −5.915e−06 ± 2.435e−05
pull
Entries 42
Mean 193.1
Std Dev 0
pull1D
Entries 42
Mean −0.009887
Std Dev 1.002

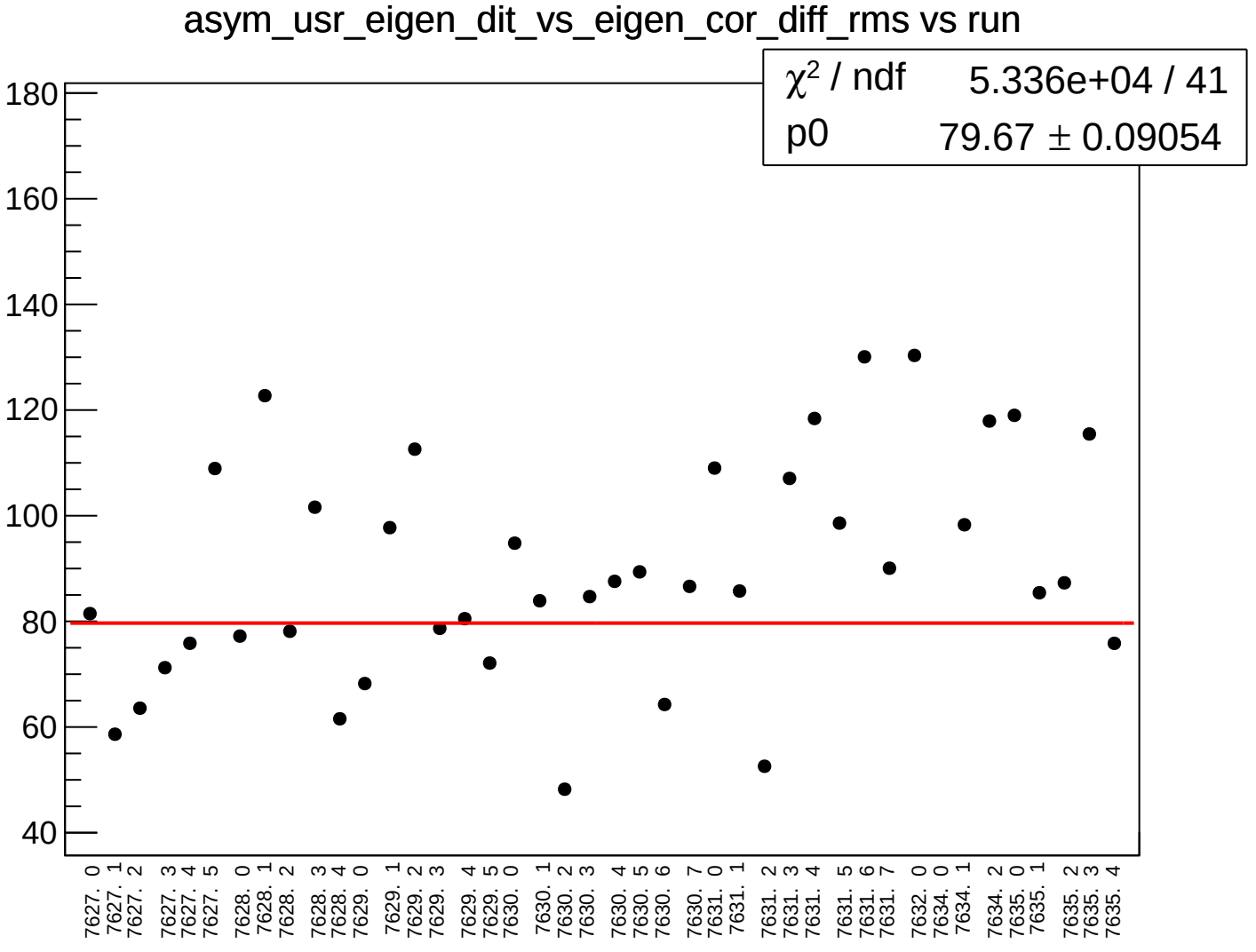

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.653e+04 / 41
p0 0.01551 ± 1.722e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

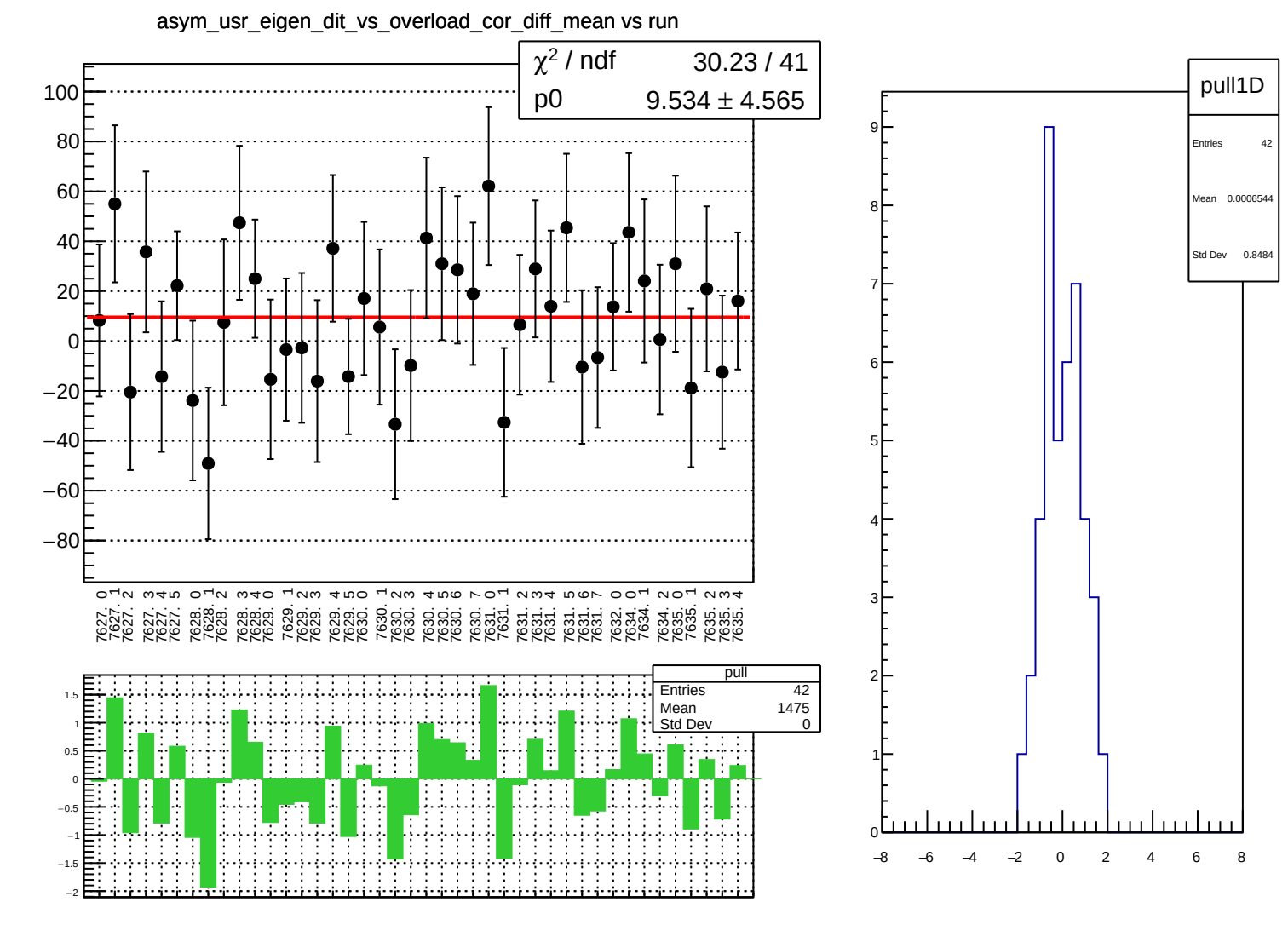

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.79 / 41
p0 0.2917 ± 0.128
pull
Entries 42
Mean 53.09
Std Dev 0

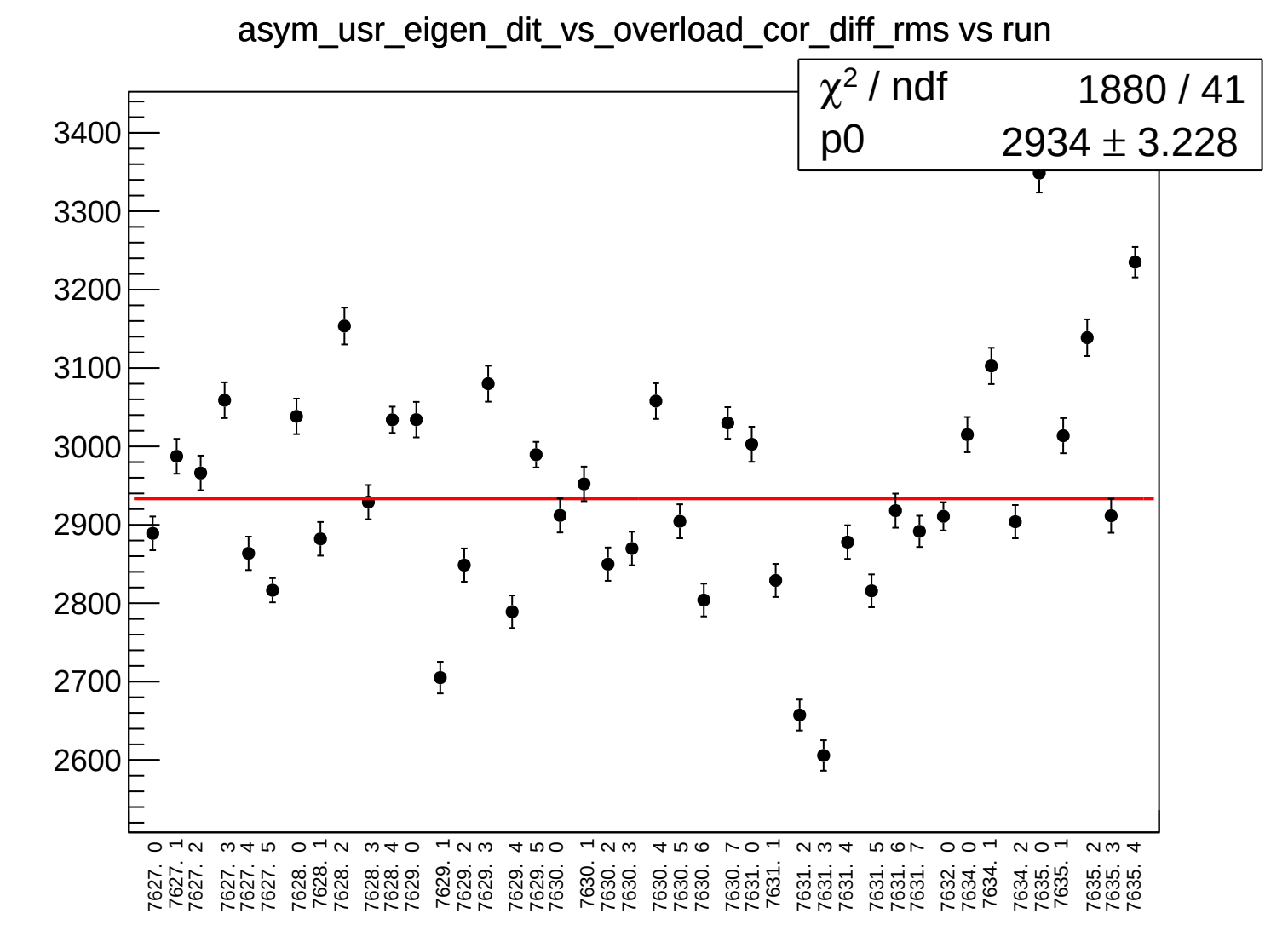

pull1D
Entries 42
Mean 0.07387
Std Dev 1.211

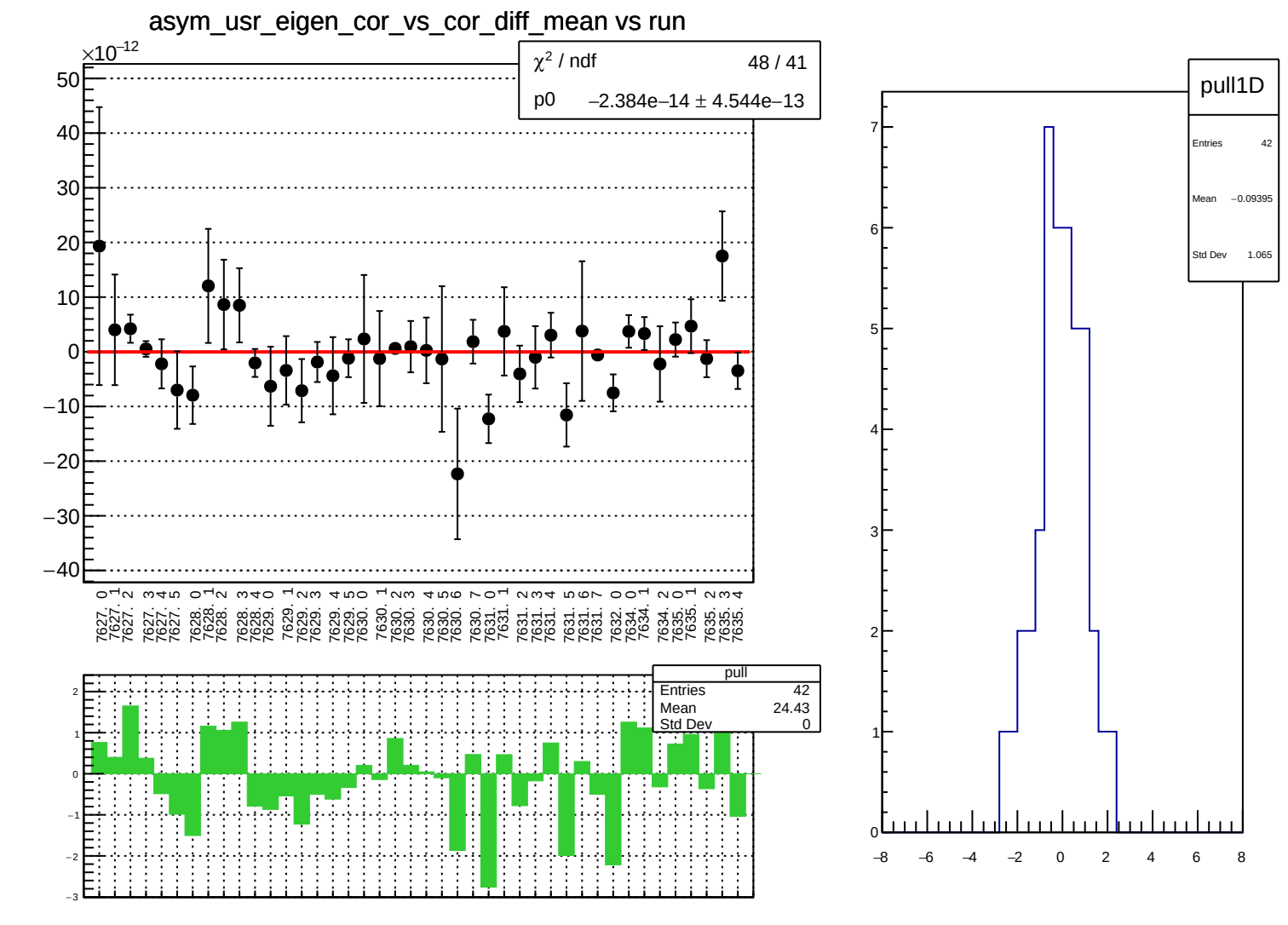

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.336e+04 / 41
p0 79.67 ± 0.09054
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

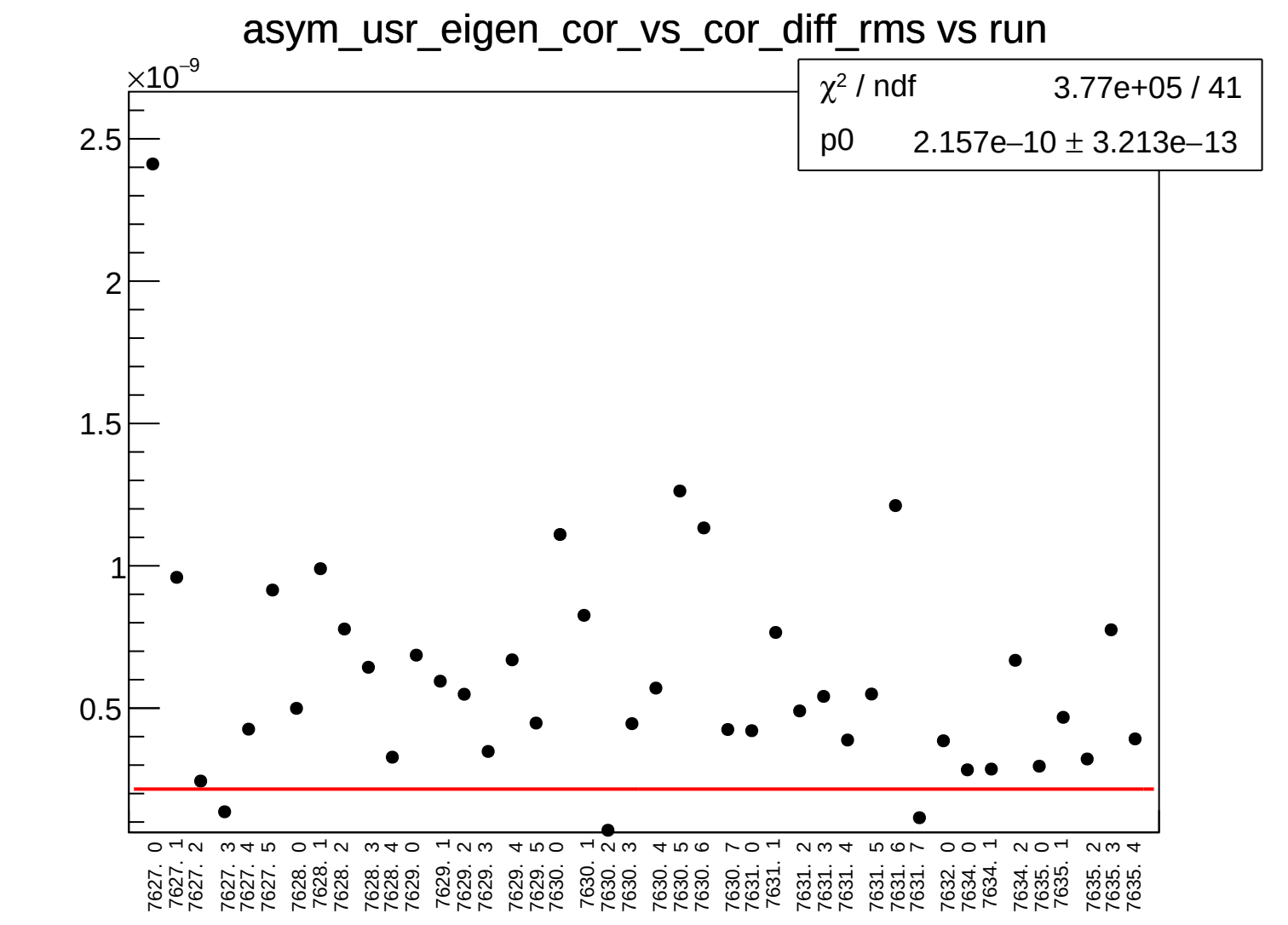

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.79 / 41
p0 0.2917 ± 0.128
pull
Entries 42
Mean 53.09
Std Dev 0
pull1D
Entries 42
Mean 0.07387
Std Dev 1.211

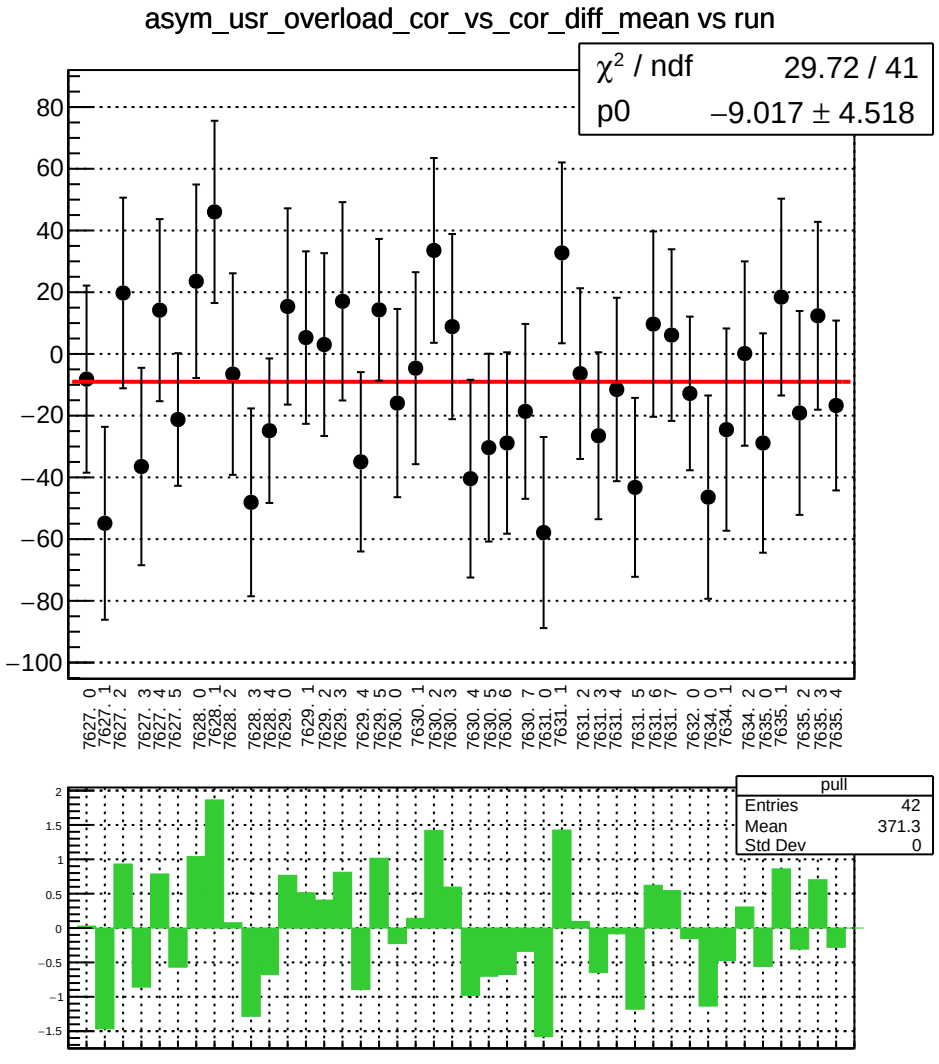

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.336e+04 / 41
p0 79.67 ± 0.09054
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

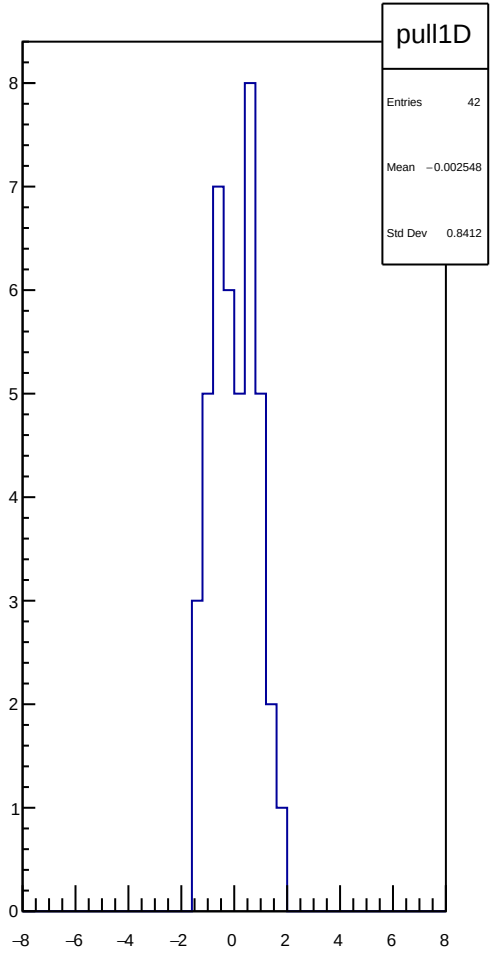

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 30.23 / 41
p0 9.534 ± 4.565
pull
Entries 42
Mean 1475
Std Dev 0
pull1D
Entries 42
Mean 0.0006544
Std Dev 0.8484

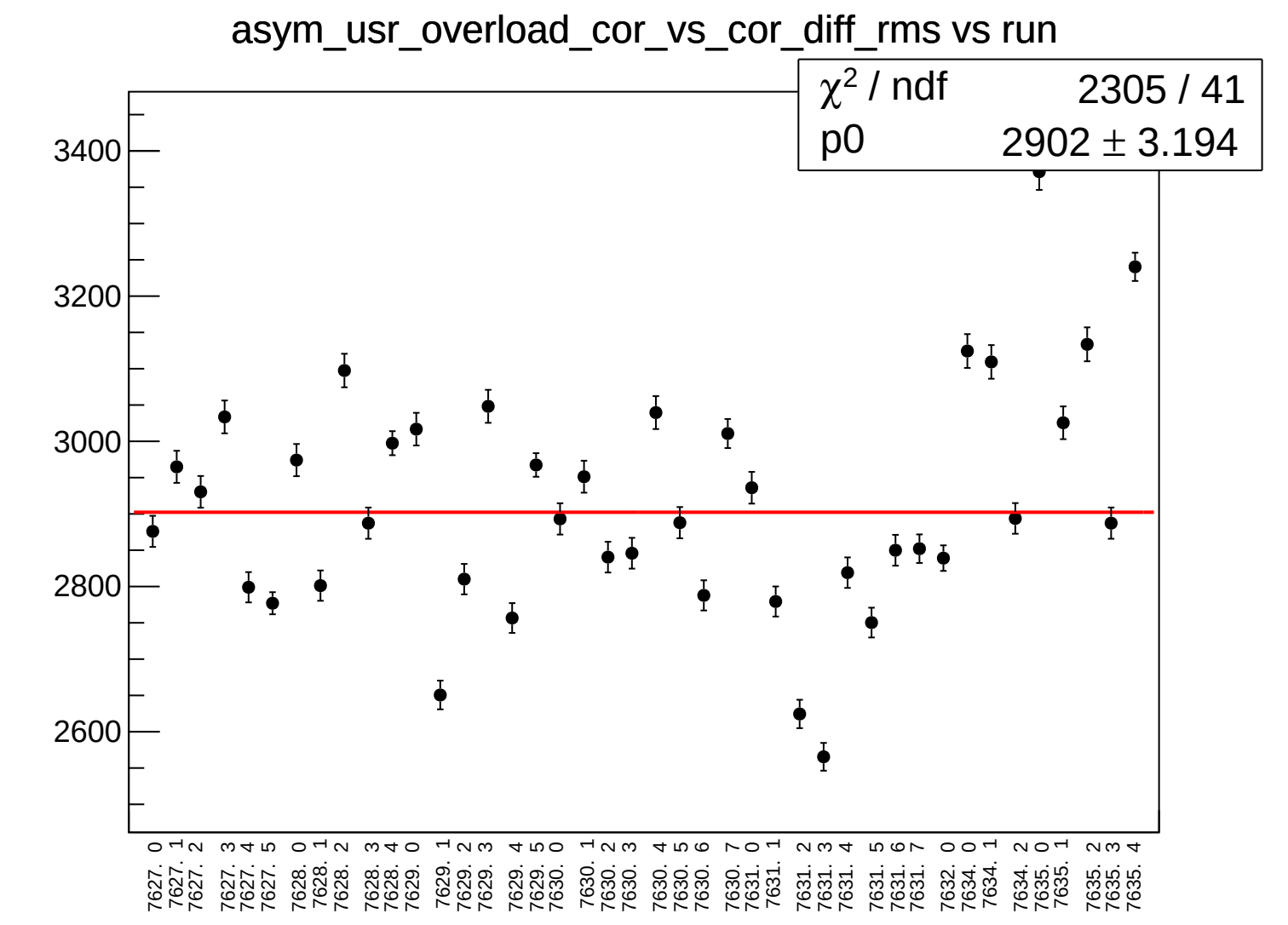

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1880 / 41
p0 2934 ± 3.228
3400
3300
3200
3100
3000
2900
2800
2700
2600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48 / 41
p0 −2.384e−14 ± 4.544e−13
pull
Entries 42
Mean 24.43
Std Dev 0
pull1D
Entries 42
Mean −0.09395
Std Dev 1.065

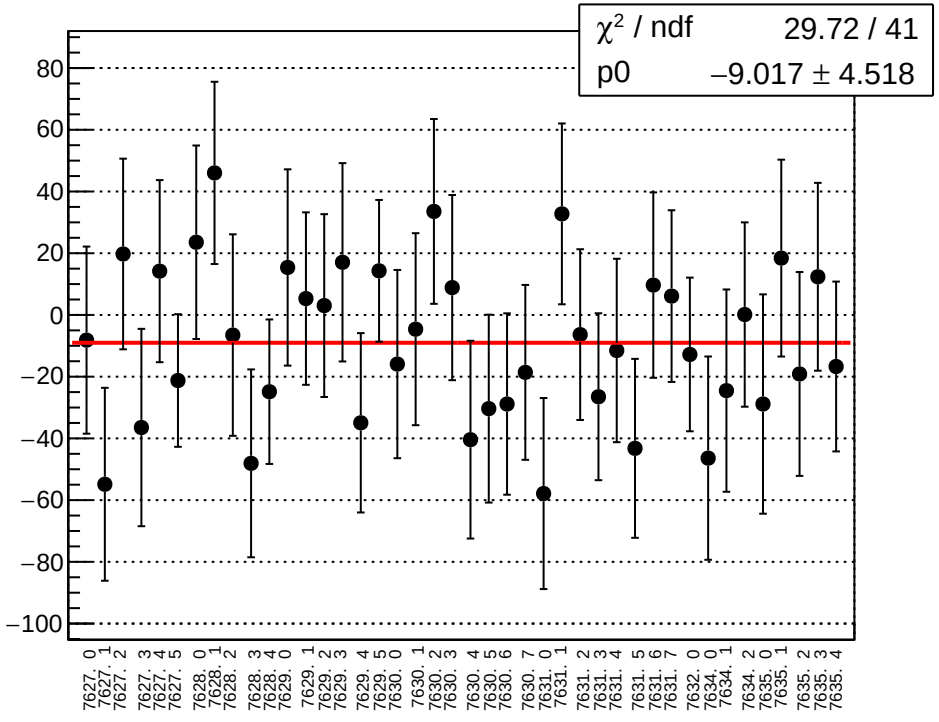

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.77e+05 / 41
p0 2.157e−10 ± 3.213e−13
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

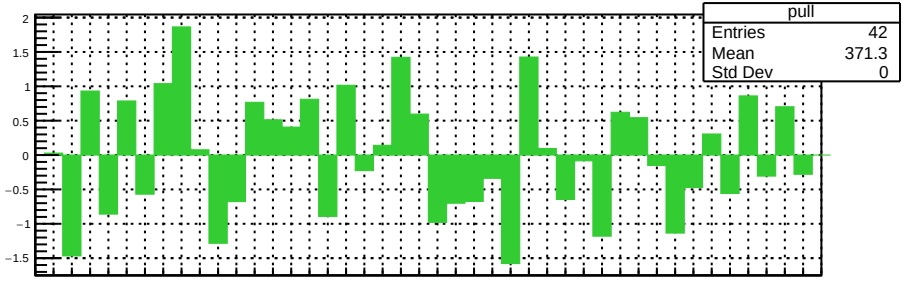

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 29.72 / 41
p0 −9.017 ± 4.518
pull
Entries 42
Mean 371.3
Std Dev 0

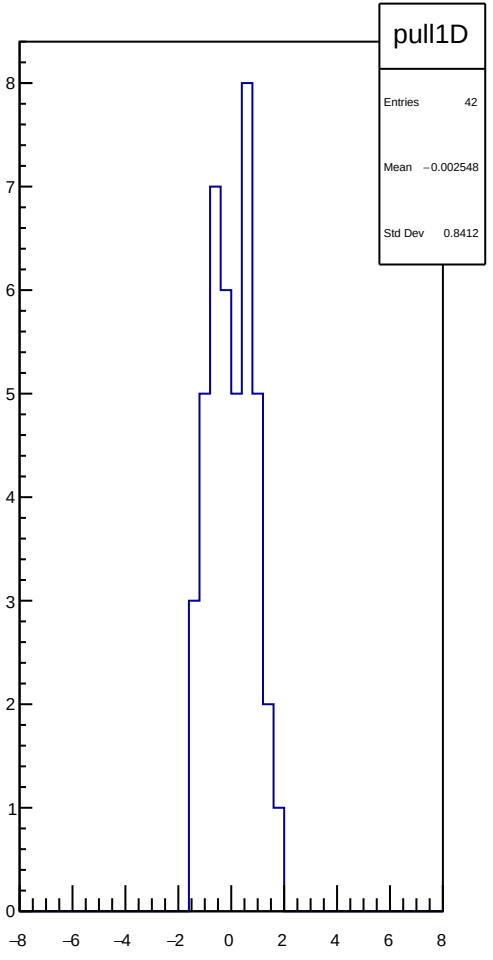

pull1D
Entries 42
Mean −0.002548
Std Dev 0.8412

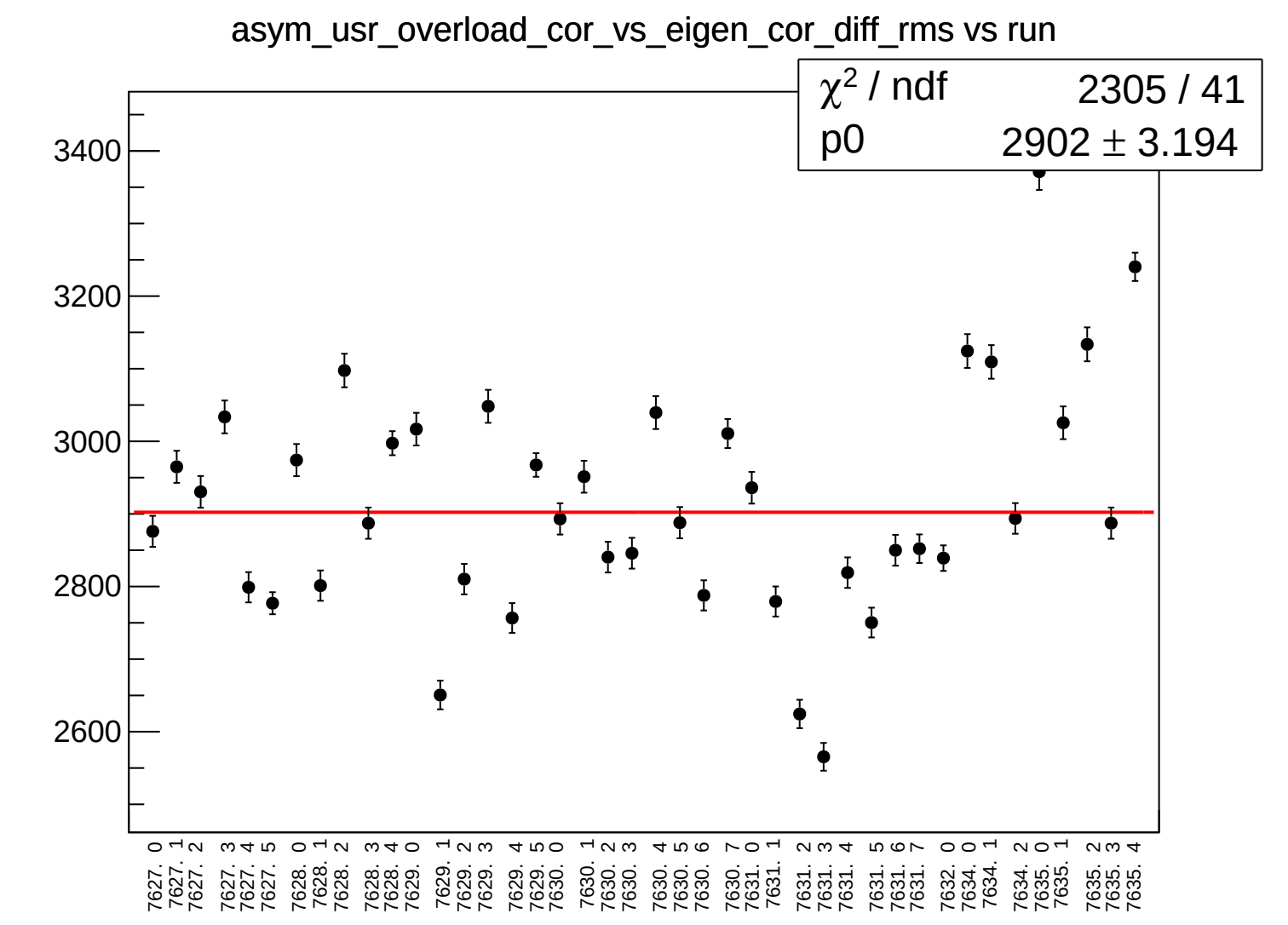

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2305 / 41
p0 2902 ± 3.194
3400
3200
3000
2800
2600
17627. 0
17627. 1
17627. 2
17627. 3
17627. 4
17627. 5
17628. 0
17628. 1
17628. 2
17628. 3
17628. 4
17629. 0
17629. 1
17629. 2
17629. 3
17629. 4
17629. 5
17630. 0
17630. 1
17630. 2
17630. 3
17630. 4
17630. 5
17630. 6
17630. 7
17631. 0
17631. 1
17631. 2
17631. 3
17631. 4
17631. 5
17631. 6
17631. 7
17632. 0
17634. 0
17634. 1
17634. 2
17635. 0
17635. 1
17635. 2
17635. 3
17635. 4

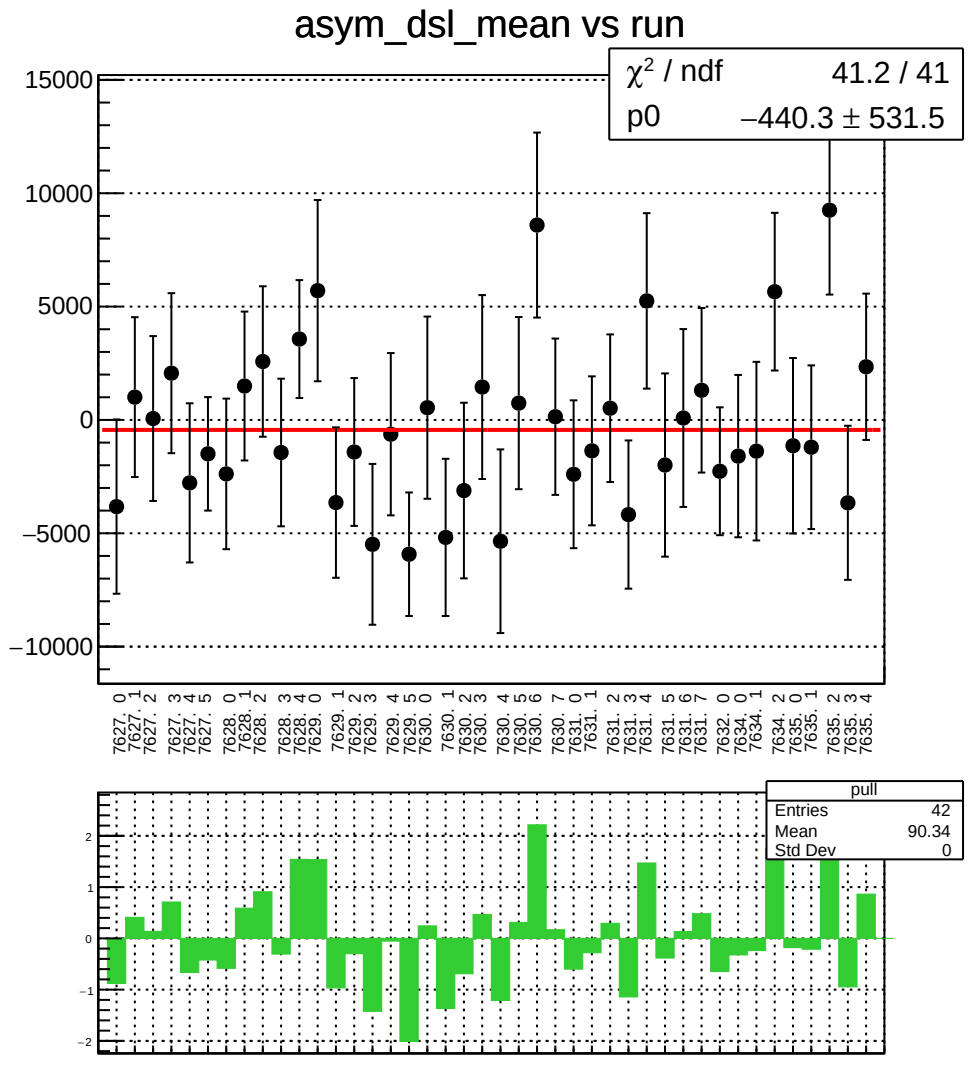
asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run

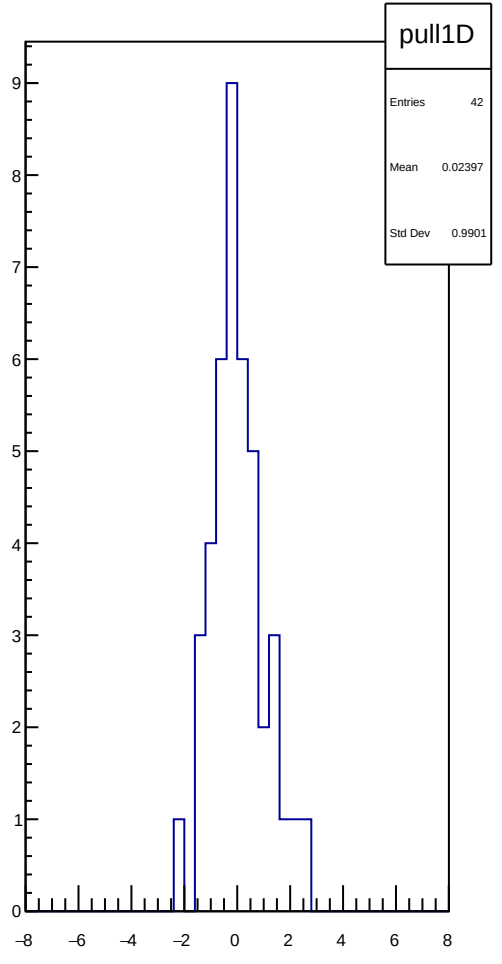


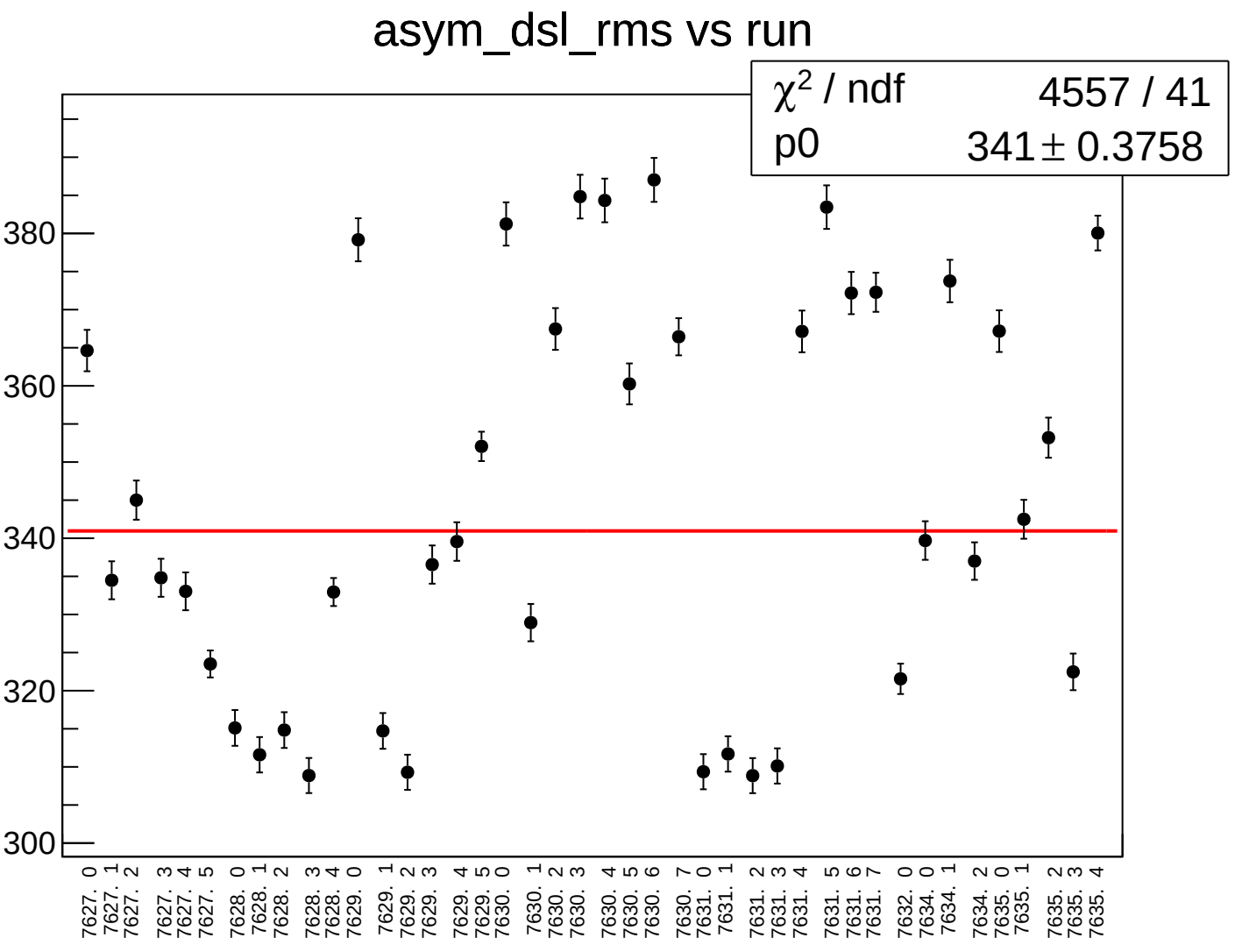


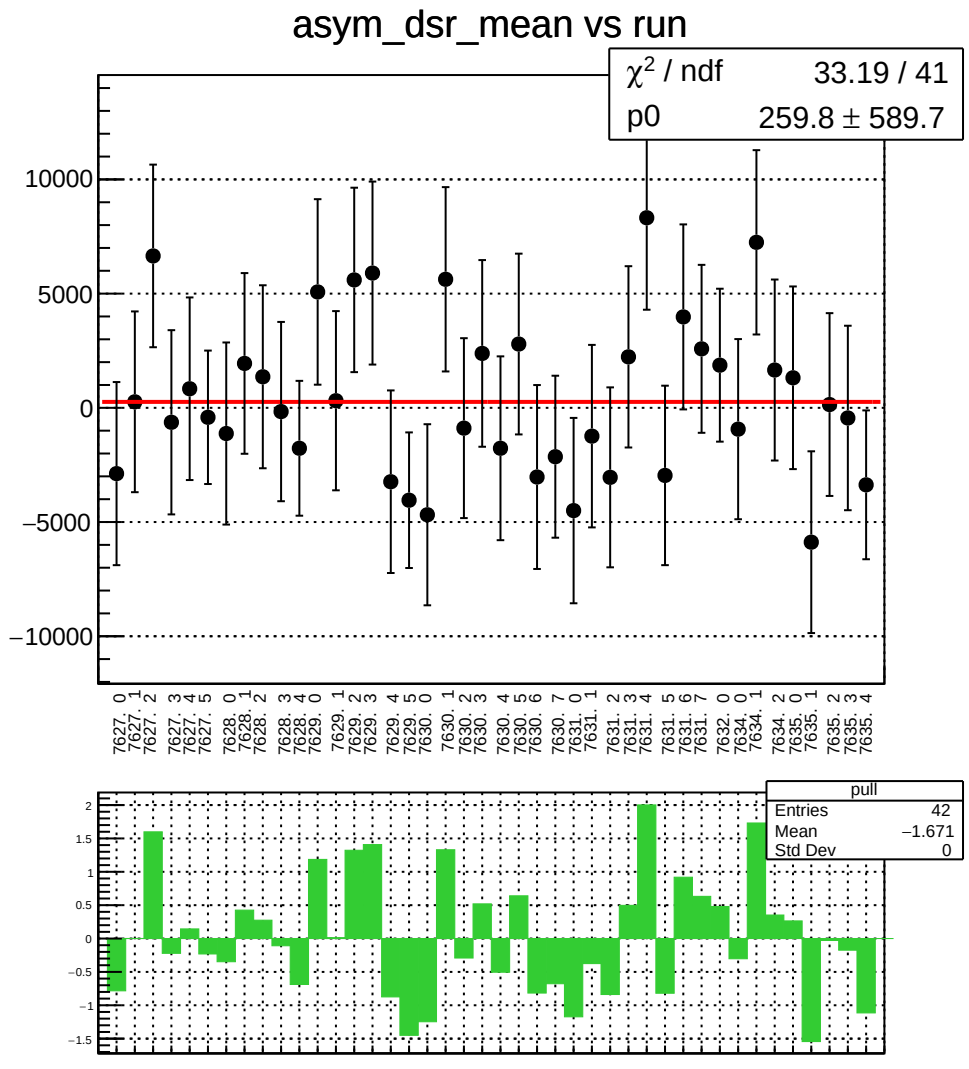


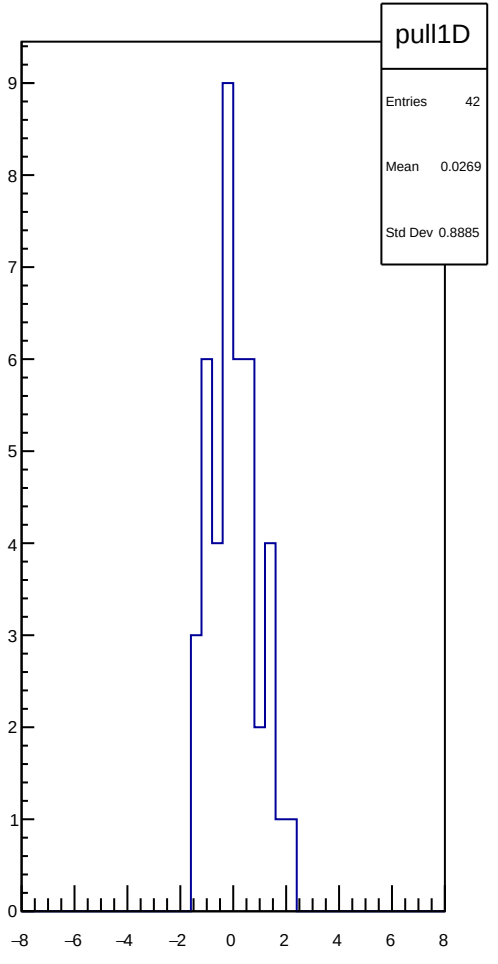

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2305 / 41
p0 2902 ± 3.194
3400
3200
3000
2800
2600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

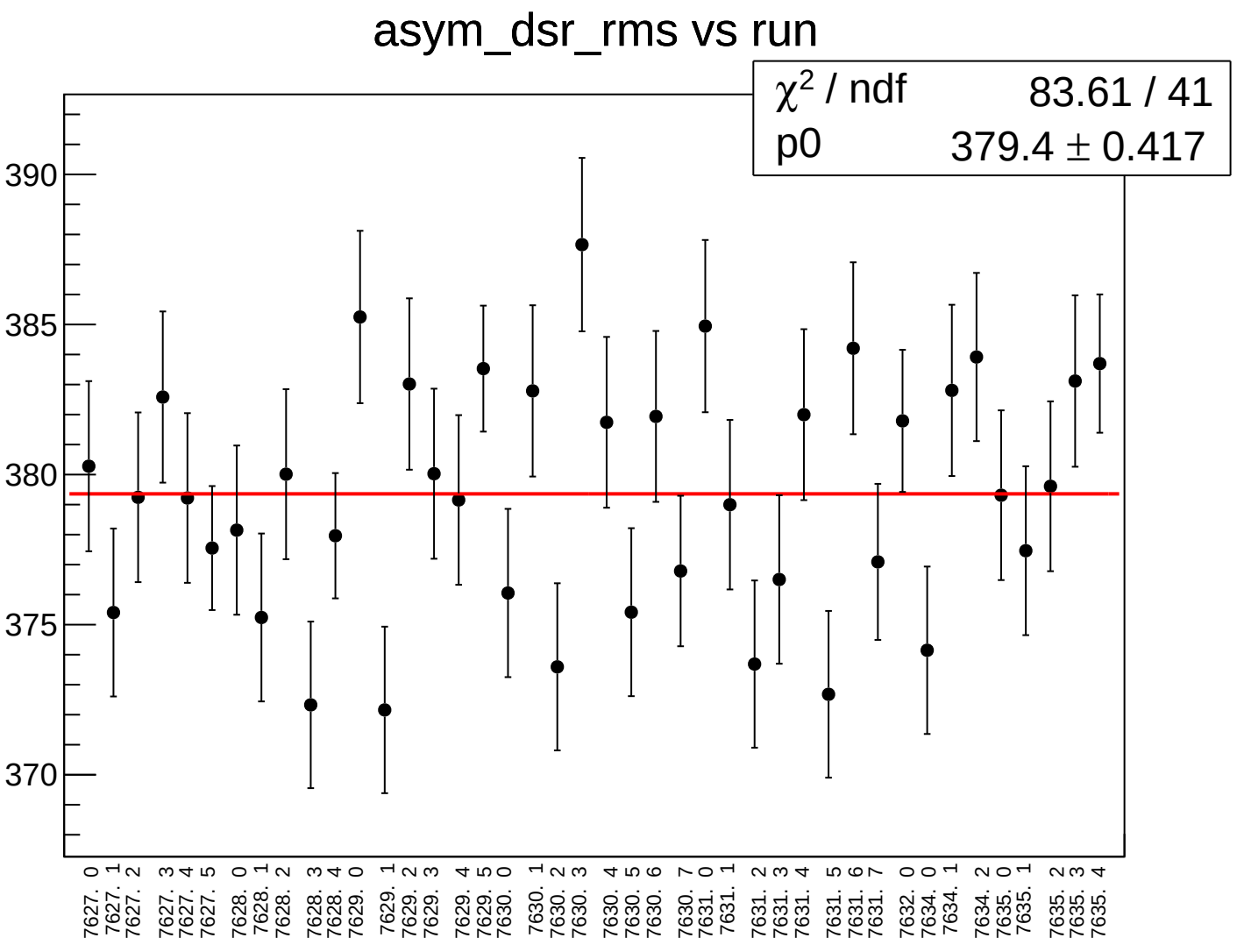

asym_dsl_mean vs run
χ² / ndf 41.2 / 41
p0 −440.3 ± 531.5
15000
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 90.34
Std Dev 0
2
1
0
−1
−2

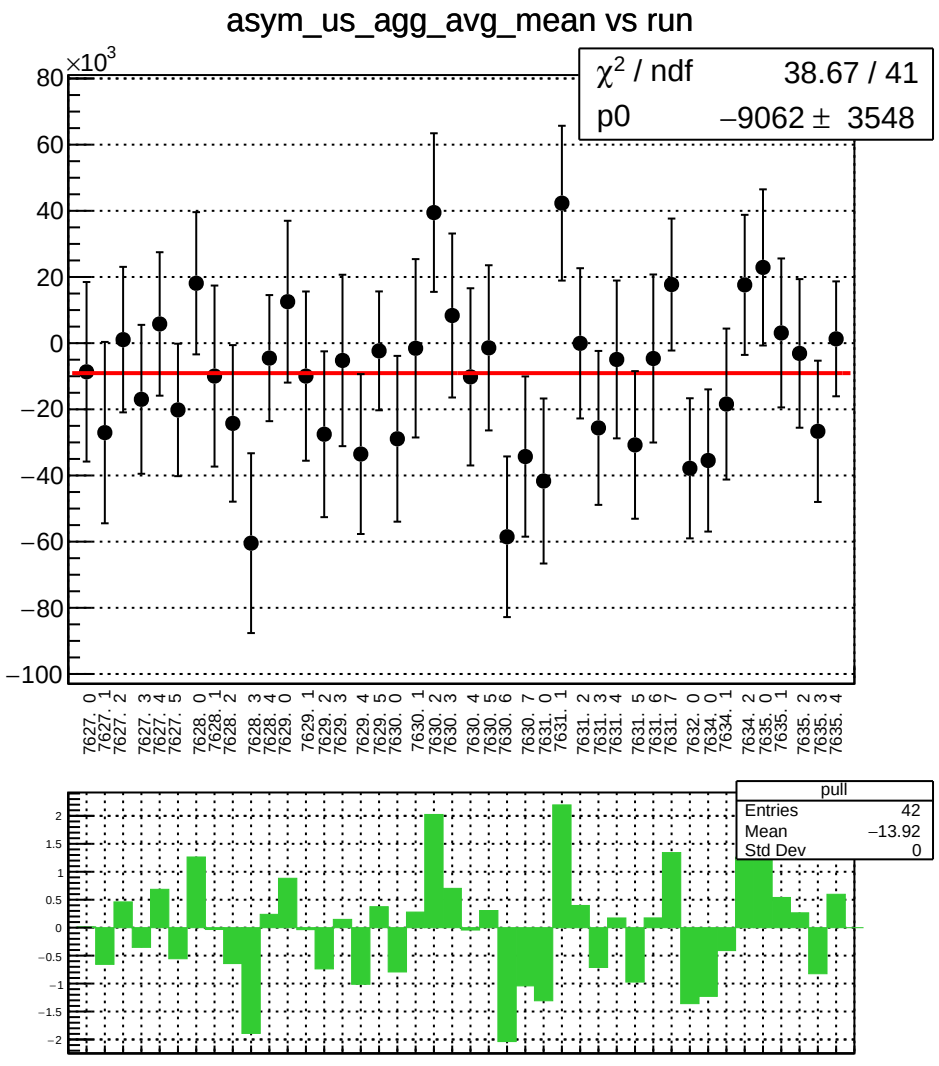

pull1D
Entries 42
Mean 0.02397
Std Dev 0.9901
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

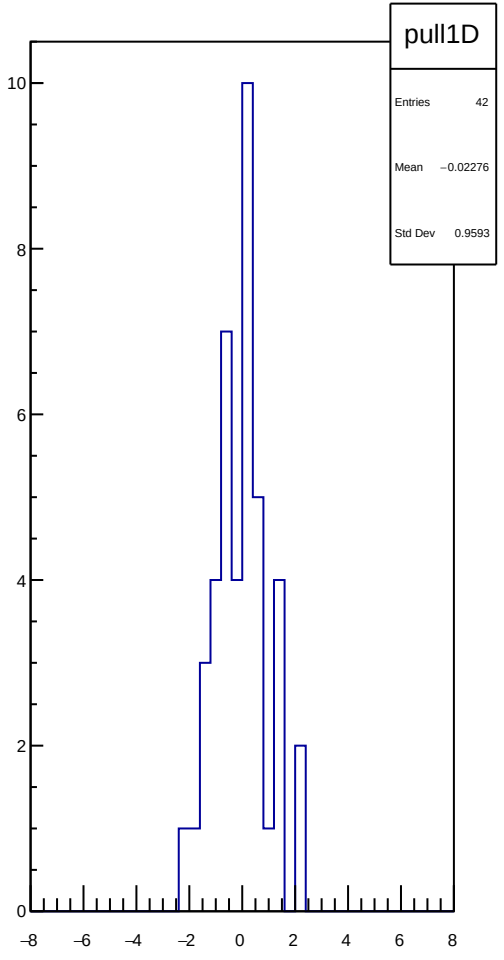

asym_dsl_rms vs run
χ² / ndf 4557 / 41
p0 341 ± 0.3758
380
360
340
320
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

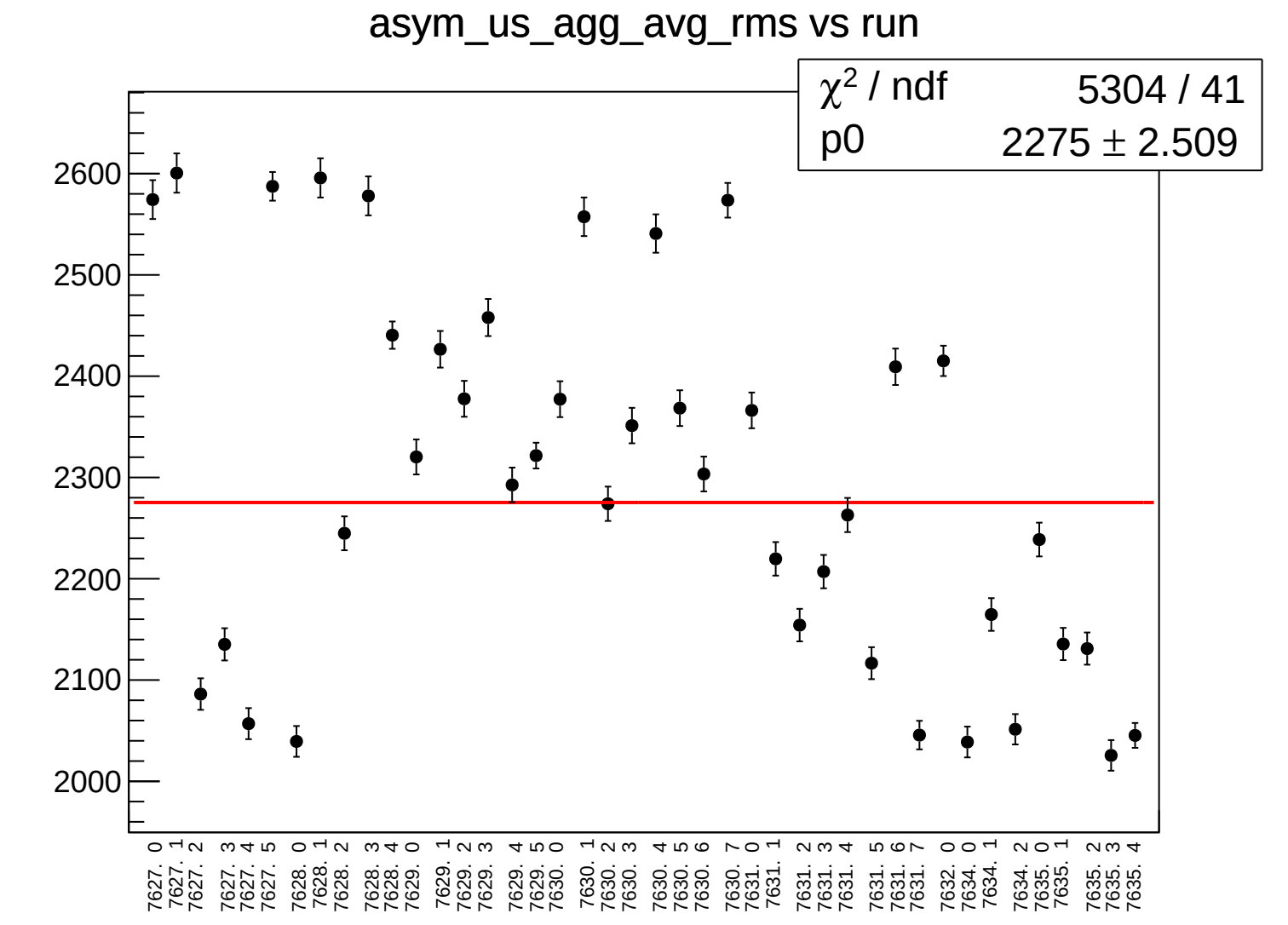

asym_dsr_mean vs run
χ² / ndf 33.19 / 41
p0 259.8 ± 589.7
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.671
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

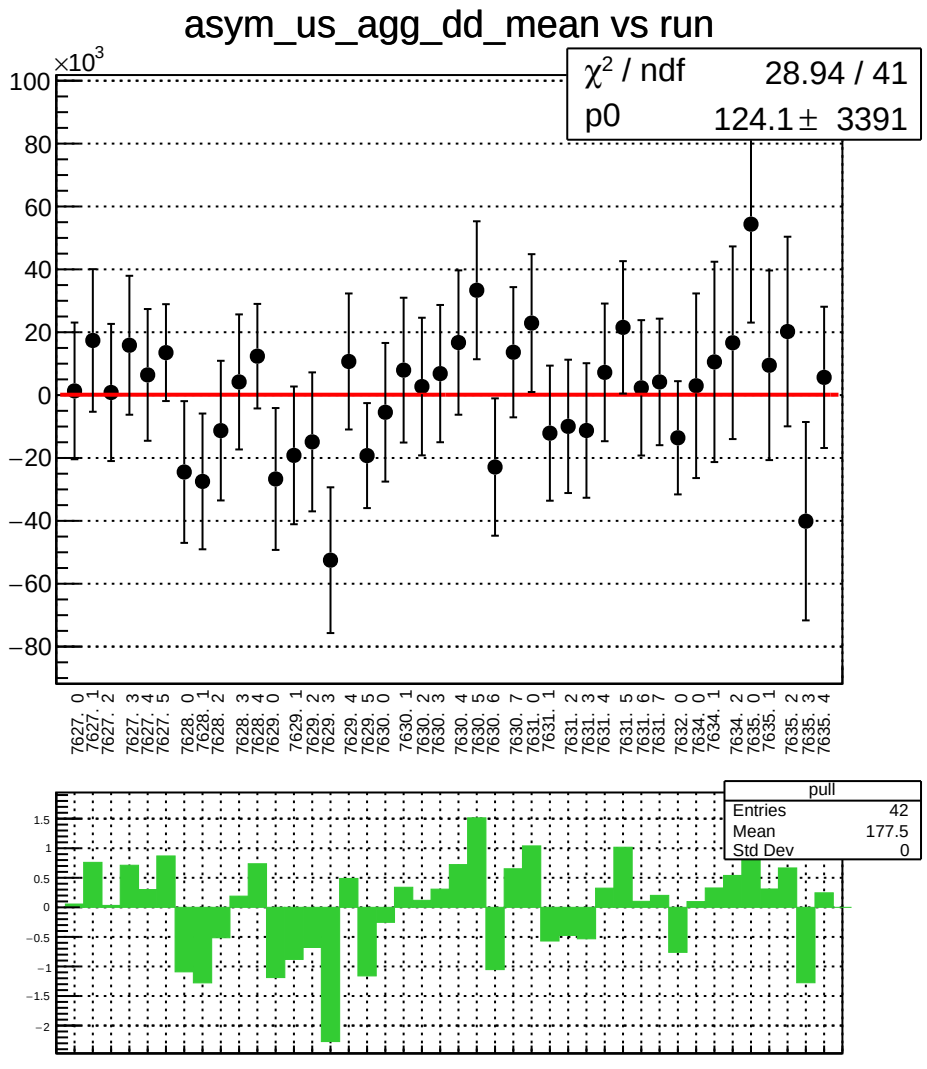

pull1D
Entries 42
Mean 0.0269
Std Dev 0.8885
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

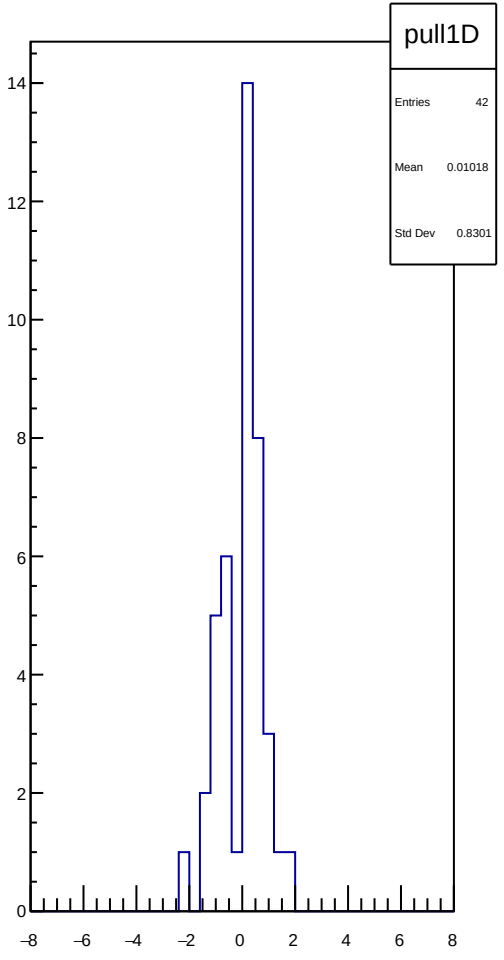

asym_dsr_rms vs run
χ² / ndf 83.61 / 41
p0 379.4 ± 0.417
390
385
380
375
370
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

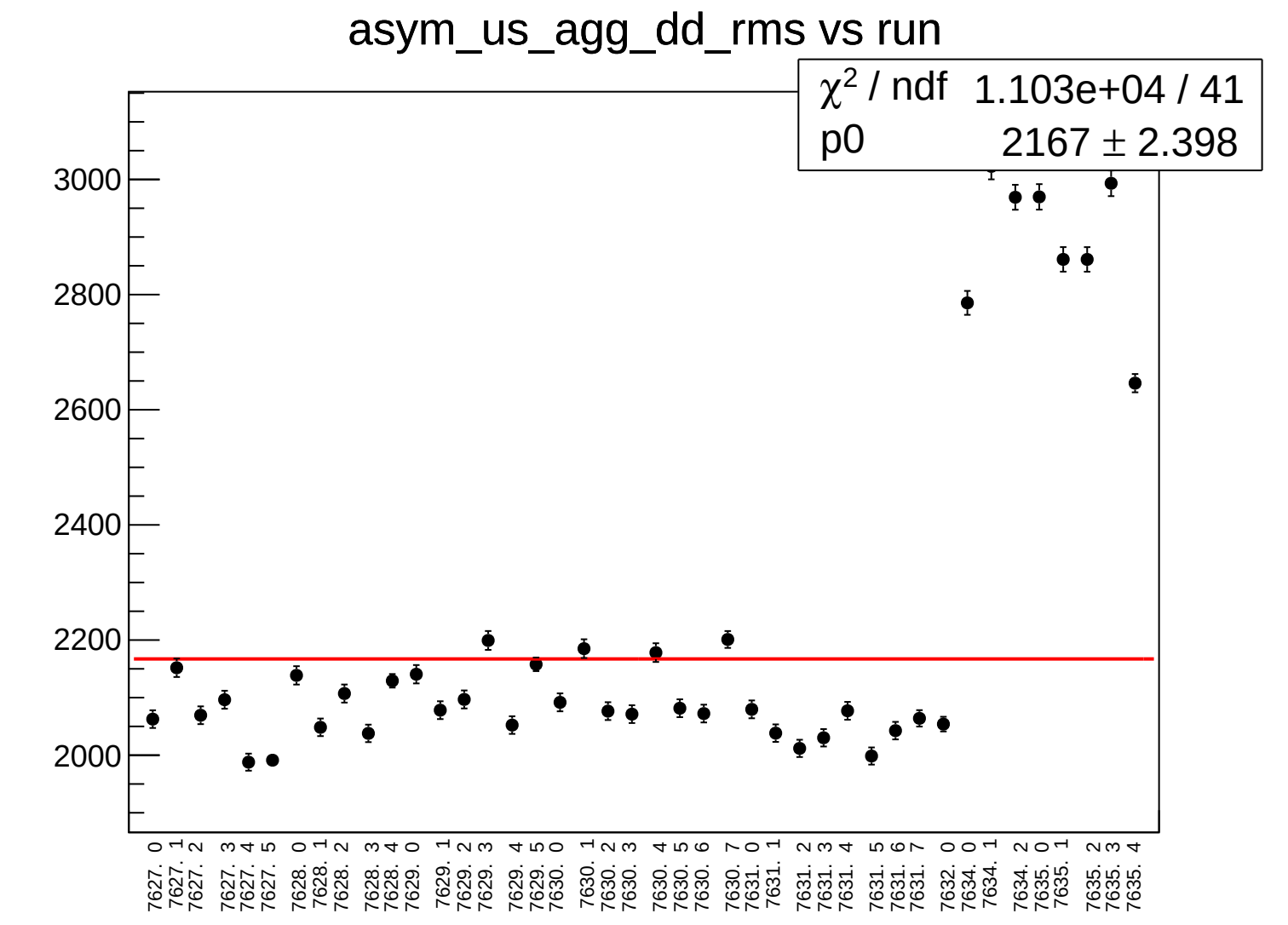

asym_us_agg_avg_mean vs run
×10^3
χ² / ndf 38.67 / 41
p0 −9062 ± 3548
pull
Entries 42
Mean −13.92
Std Dev 0

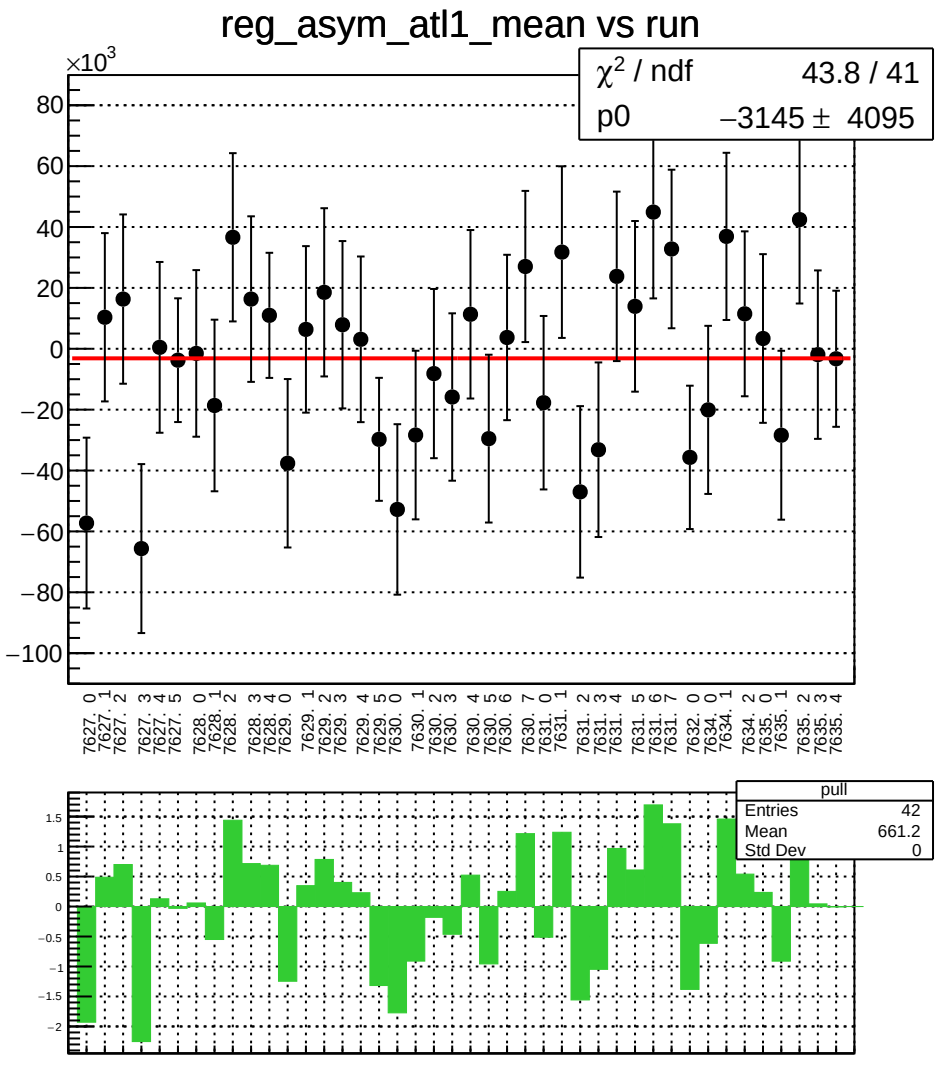

pull1D
Entries 42
Mean −0.02276
Std Dev 0.9593

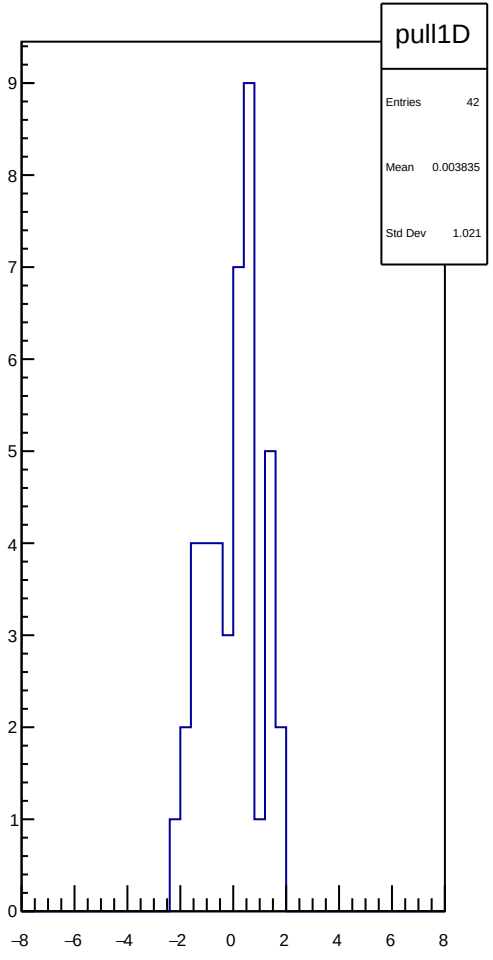

asym_us_agg_avg_rms vs run
χ^2 / ndf 5304 / 41
p0 2275 ± 2.509
2600
2500
2400
2300
2200
2100
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

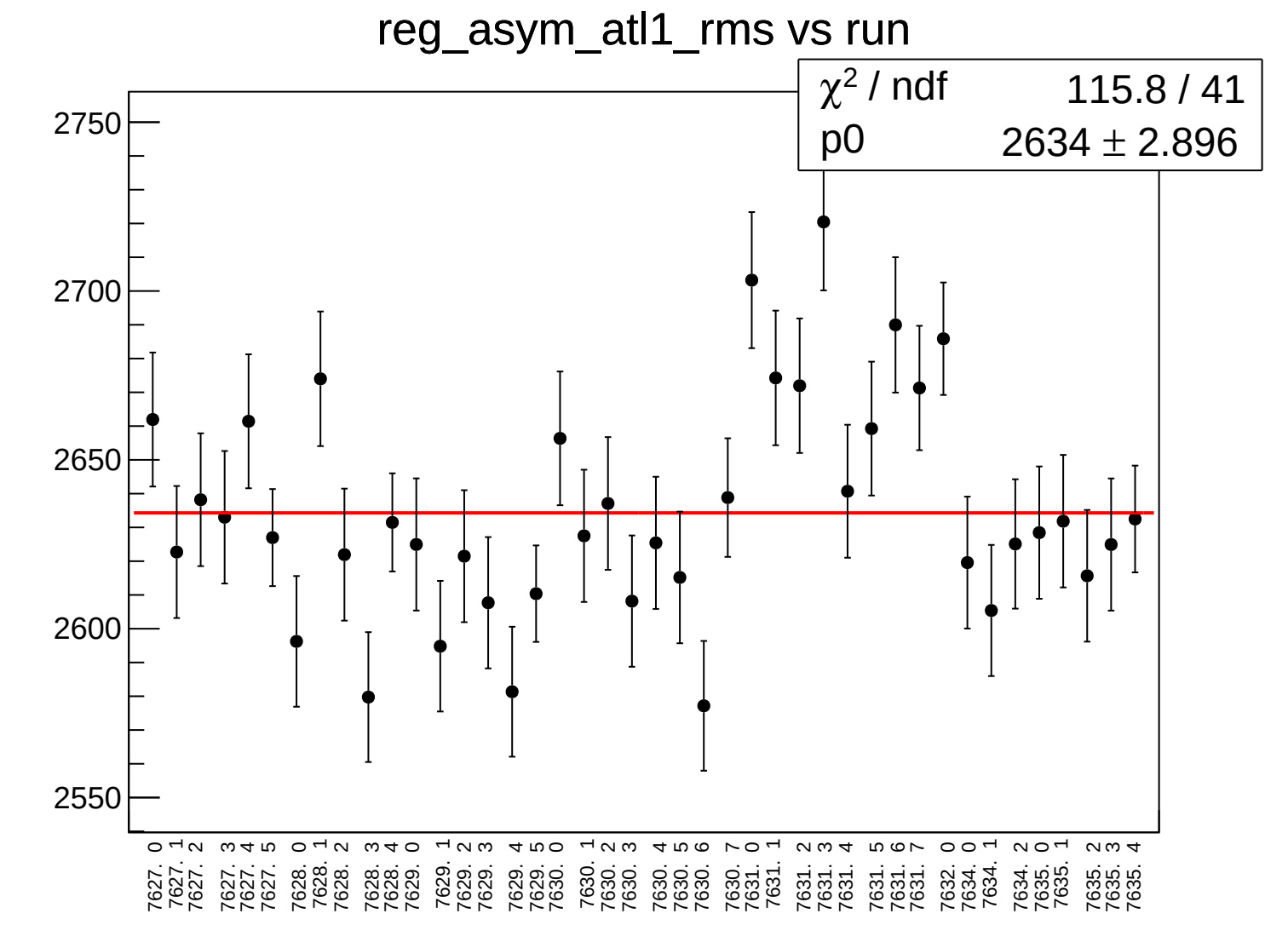

asym_us_agg_dd_mean vs run
×10^3
χ² / ndf 28.94 / 41
p0 124.1 ± 3391
pull
Entries 42
Mean 177.5
Std Dev 0

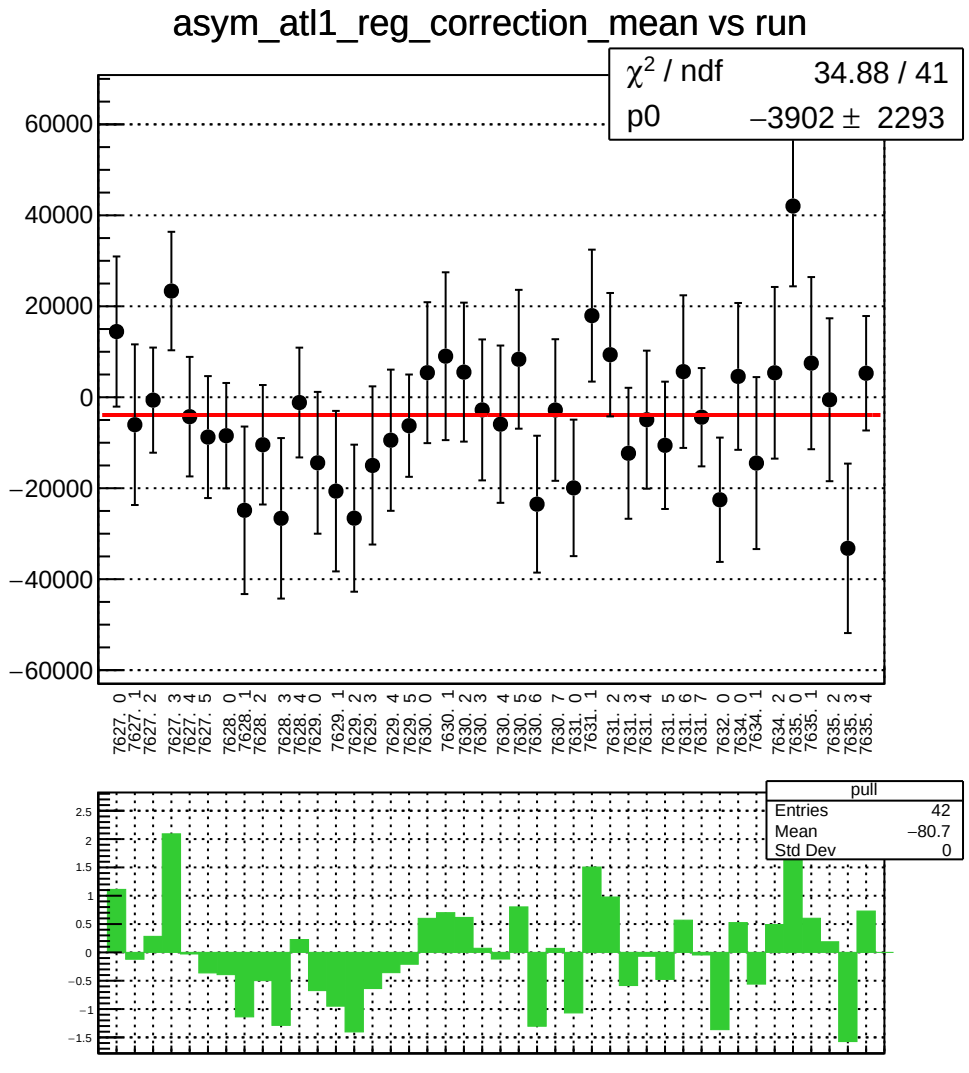

pull1D
Entries 42
Mean 0.01018
Std Dev 0.8301

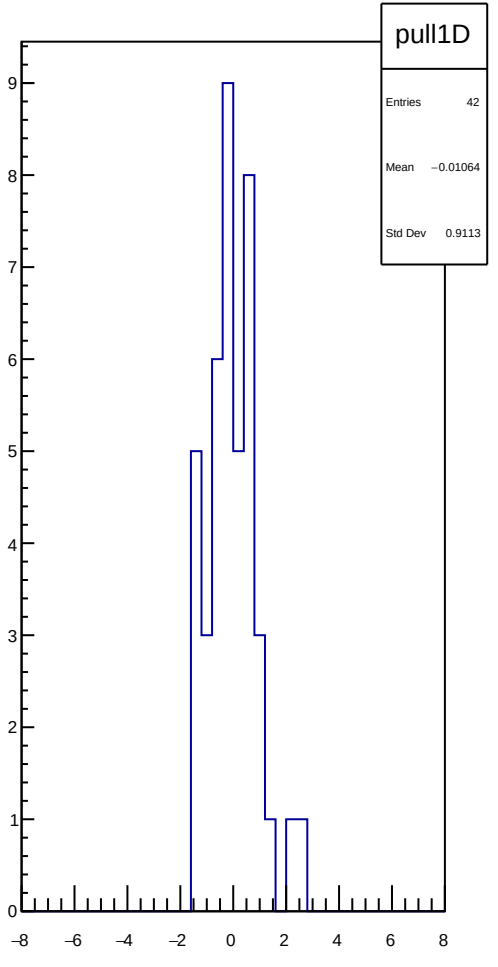

asym_us_agg_dd_rms vs run
χ² / ndf 1.103e+04 / 41
p0 2167 ± 2.398
3000
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

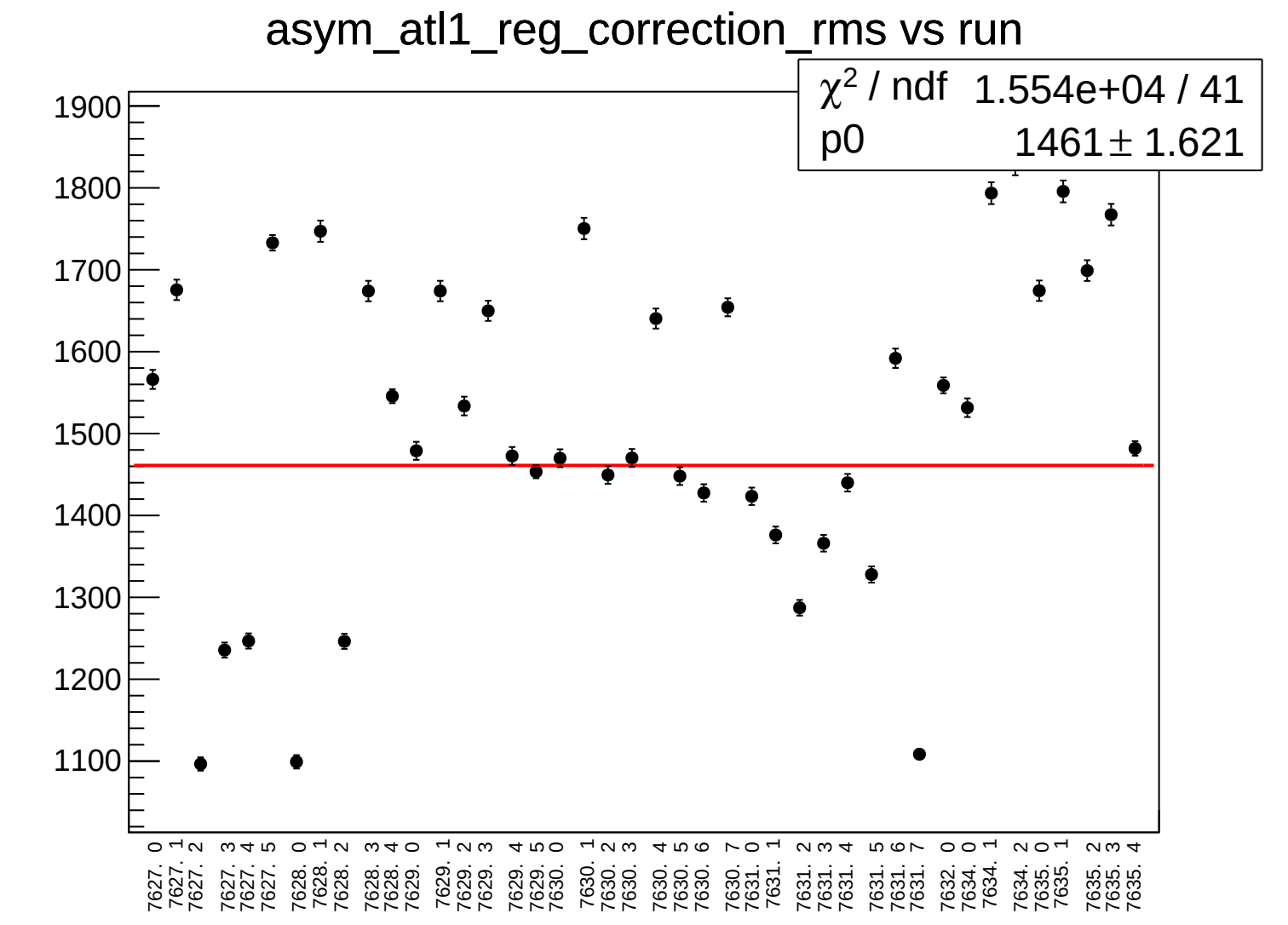

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 43.8 / 41
p0 −3145 ± 4095
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 661.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

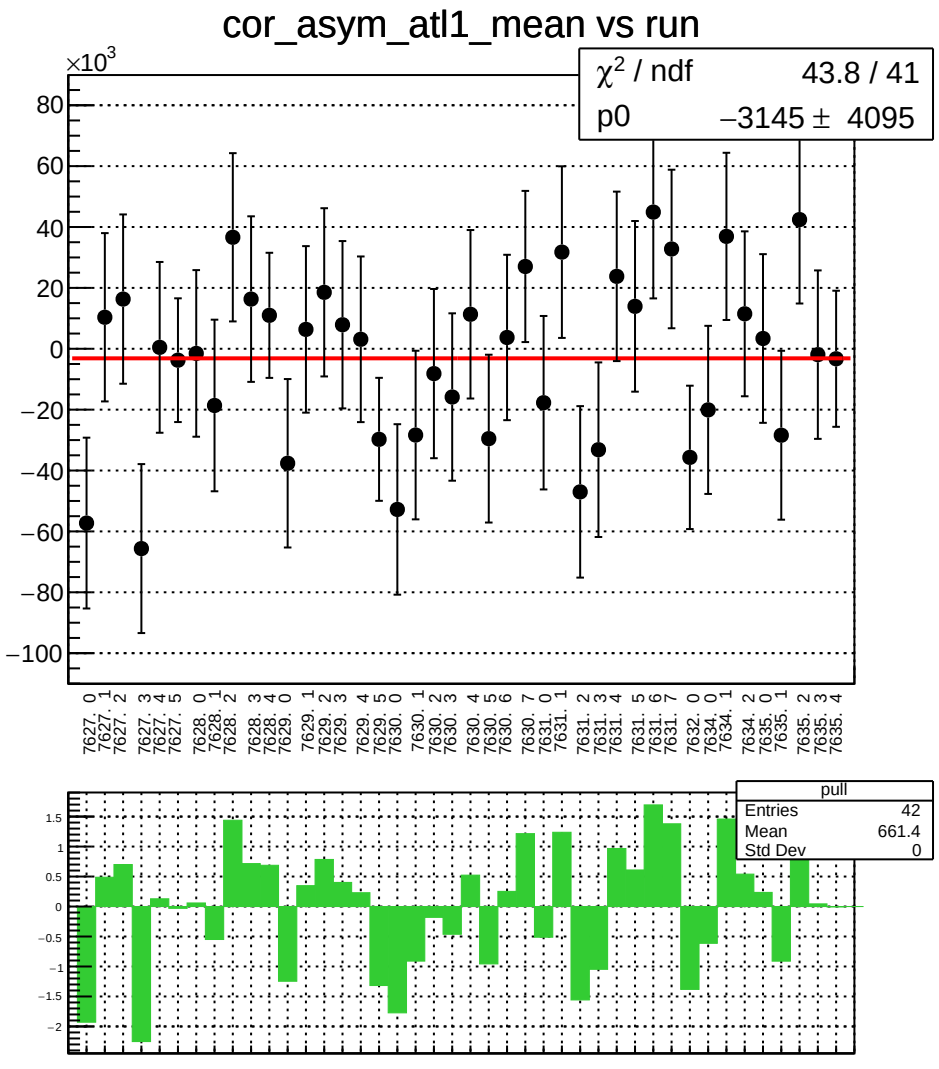

pull1D
Entries 42
Mean 0.003835
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

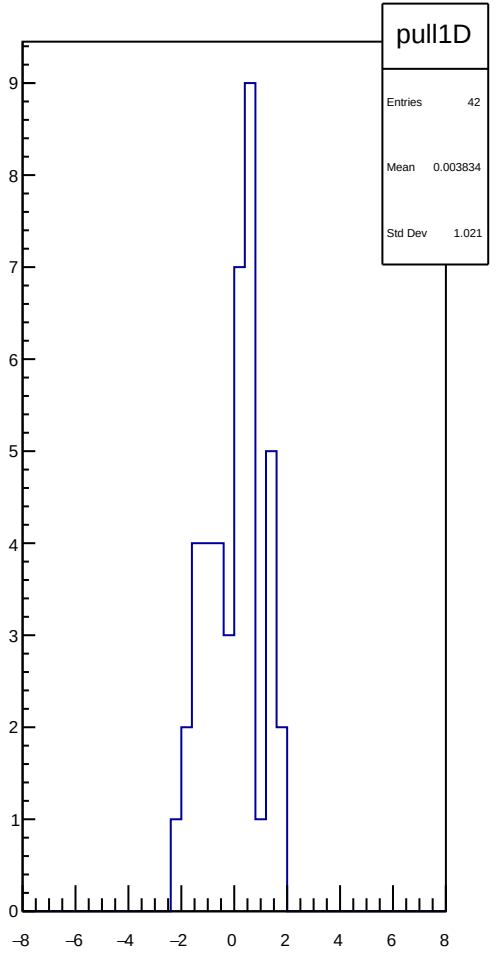

reg_asym_atl1_rms vs run
χ² / ndf 115.8 / 41
p0 2634 ± 2.896
2750
2700
2650
2600
2550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

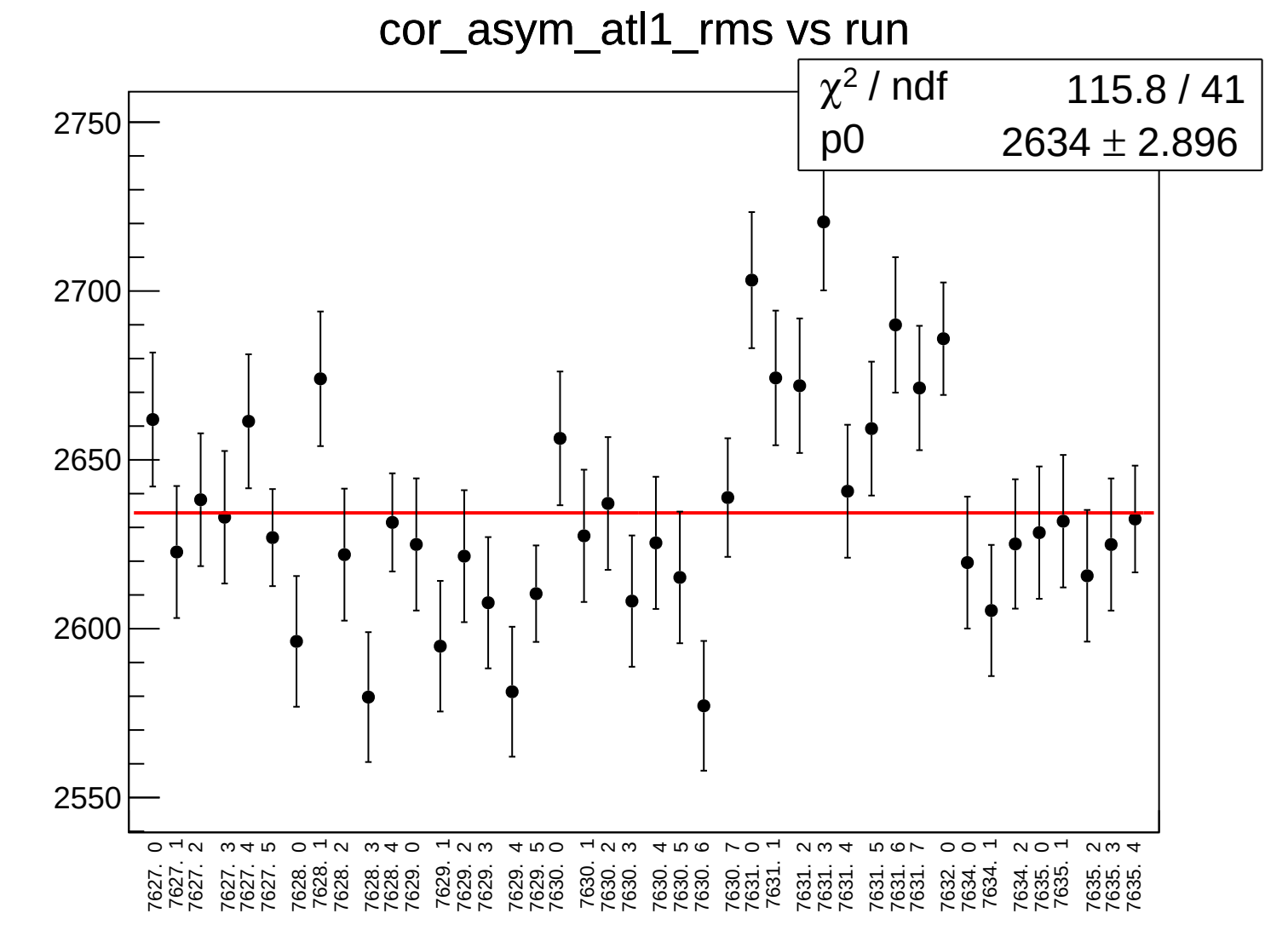

asym_atl1_reg_correction_mean vs run
χ² / ndf 34.88 / 41
p0 −3902 ± 2293
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

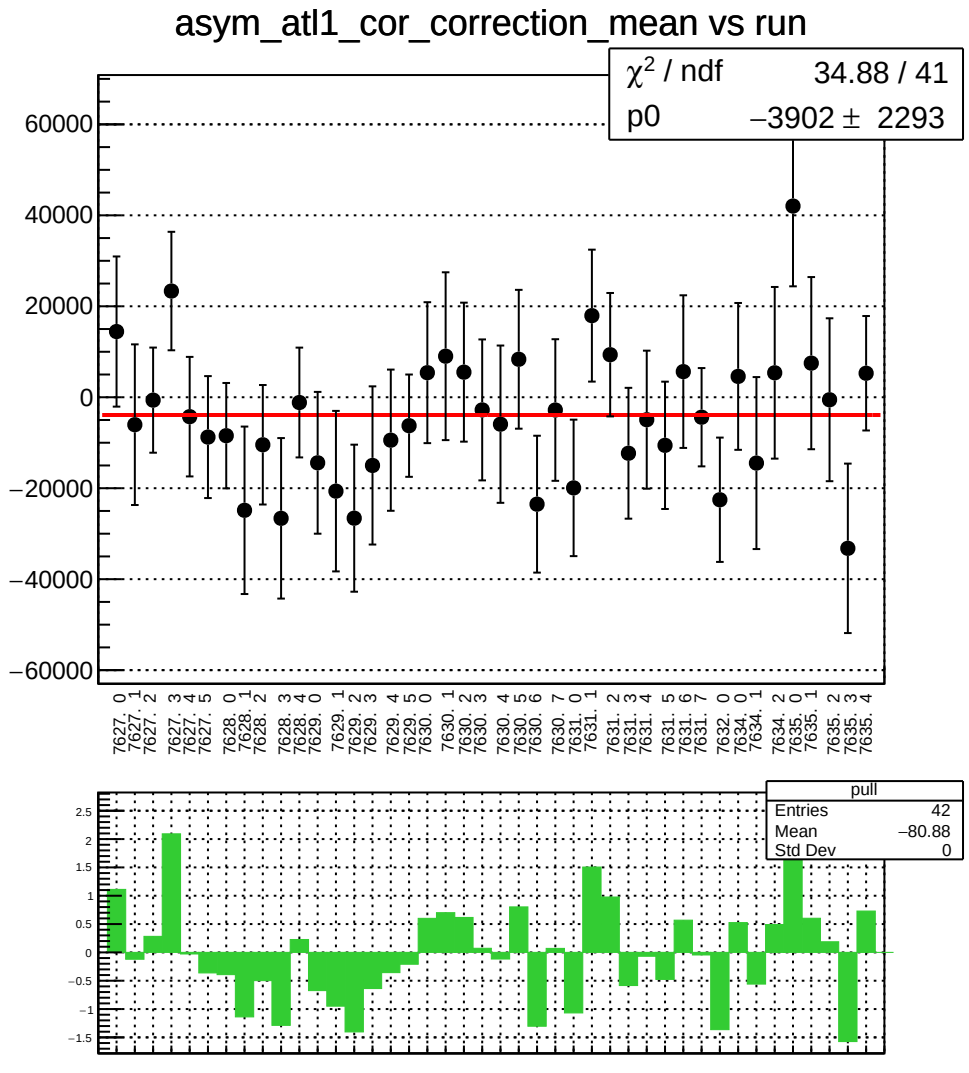

pull1D
Entries 42
Mean −0.01064
Std Dev 0.9113
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

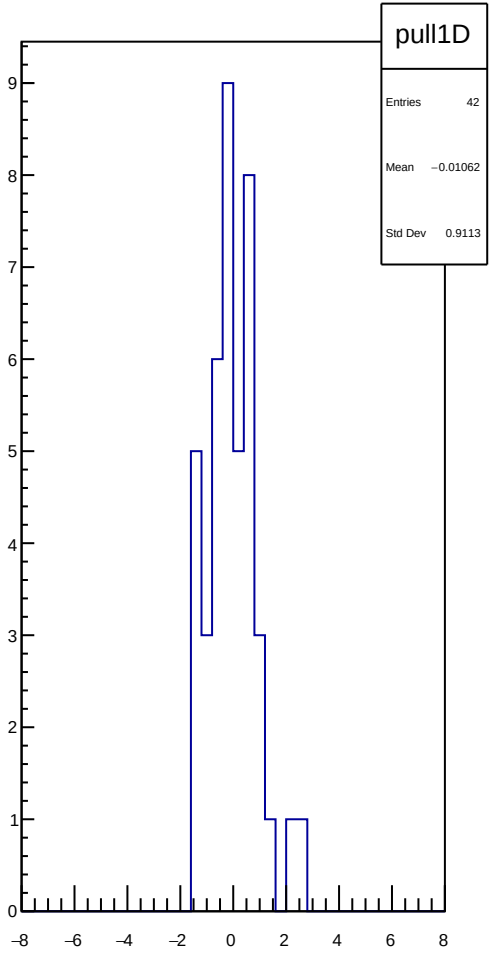

asym_atl1_reg_correction_rms vs run
χ² / ndf 1.554e+04 / 41
p0 1461 ± 1.621
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

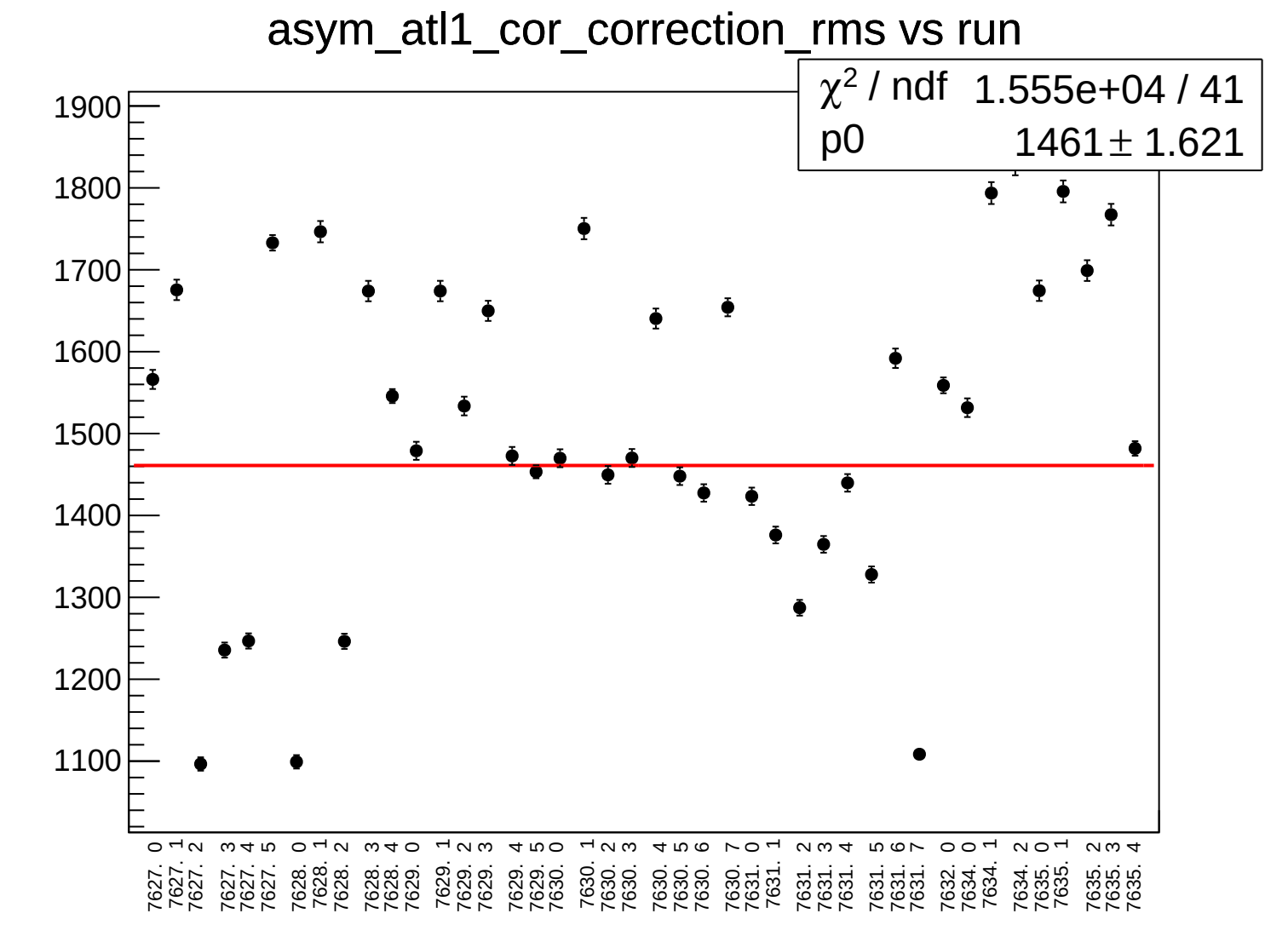

cor_asym_atl1_mean vs run
×10^3
χ² / ndf 43.8 / 41
p0 −3145 ± 4095
pull
Entries 42
Mean 661.4
Std Dev 0

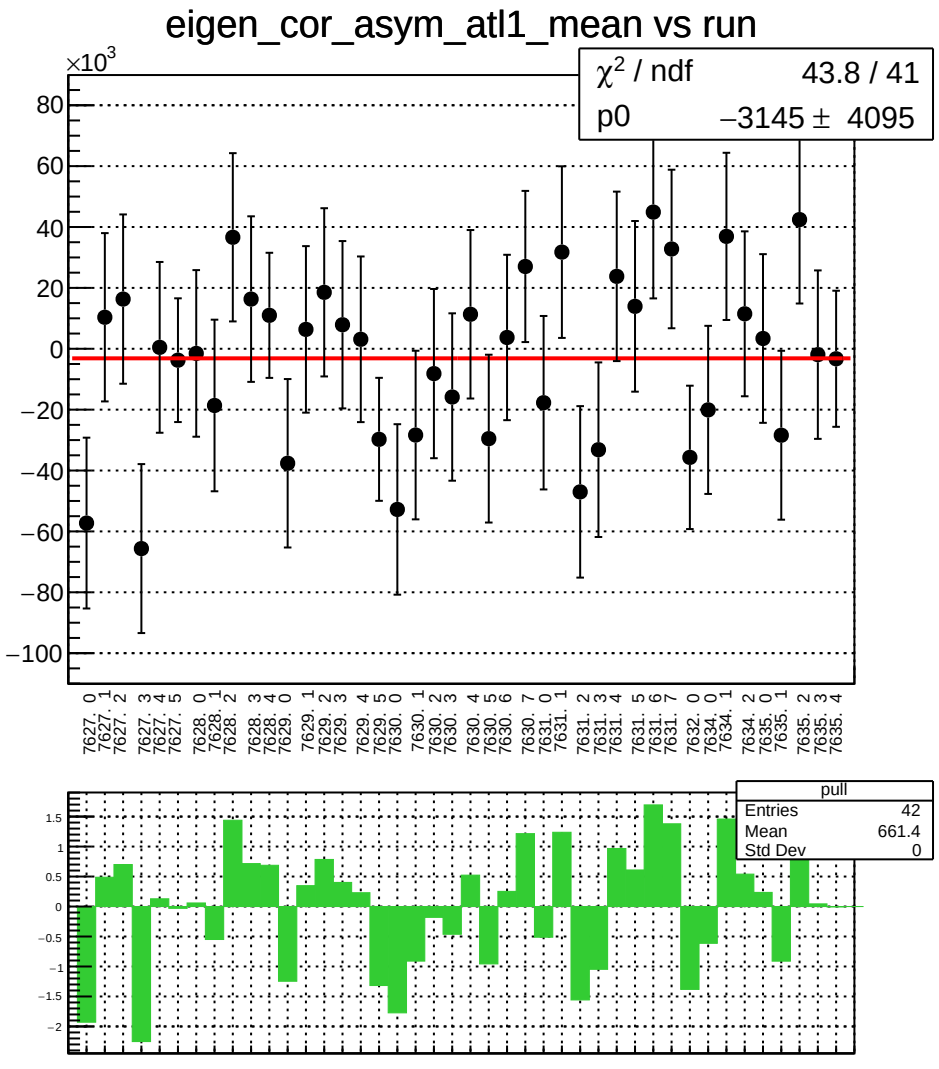

pull1D
Entries 42
Mean 0.003834
Std Dev 1.021

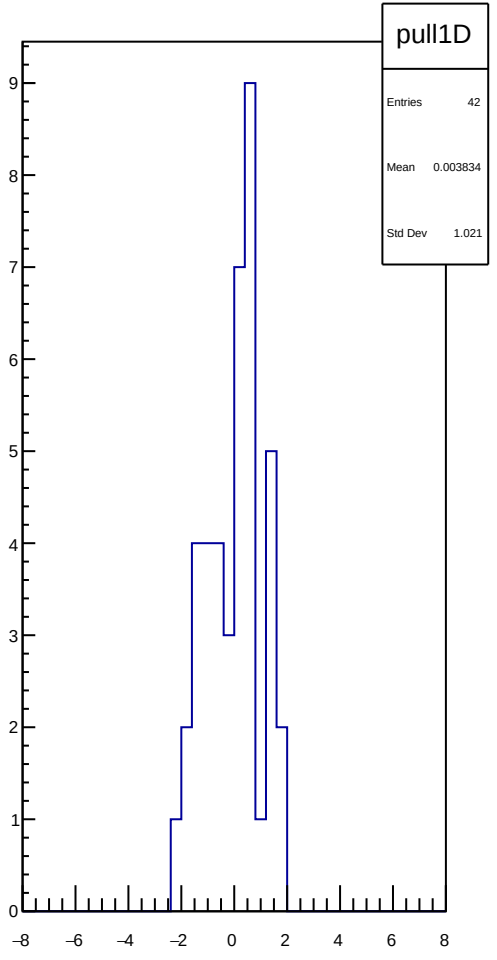

cor_asym_atl1_rms vs run
χ² / ndf 115.8 / 41
p0 2634 ± 2.896
2750
2700
2650
2600
2550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

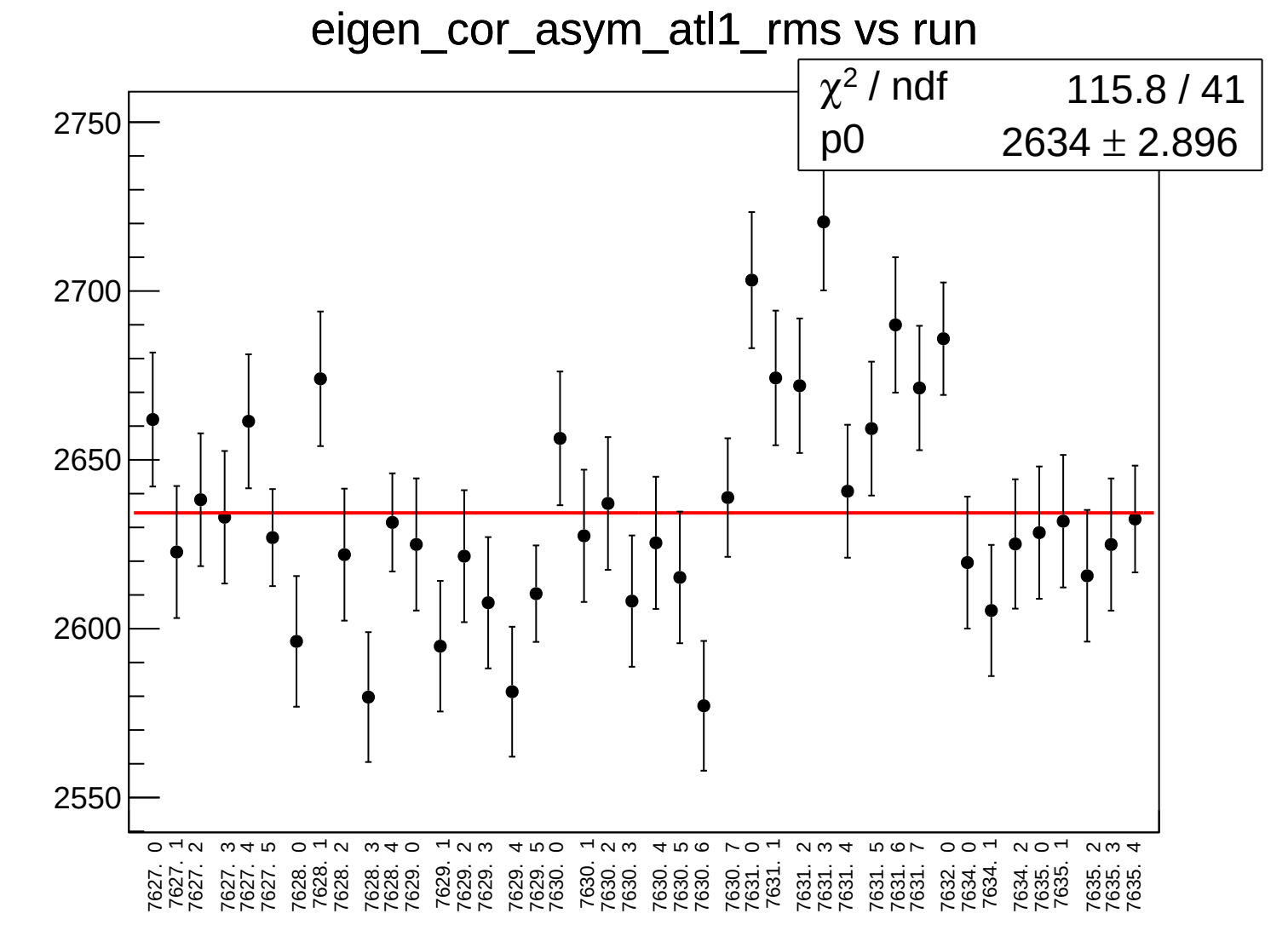

asym_atl1_cor_correction_mean vs run
χ² / ndf 34.88 / 41
p0 −3902 ± 2293
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.88
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

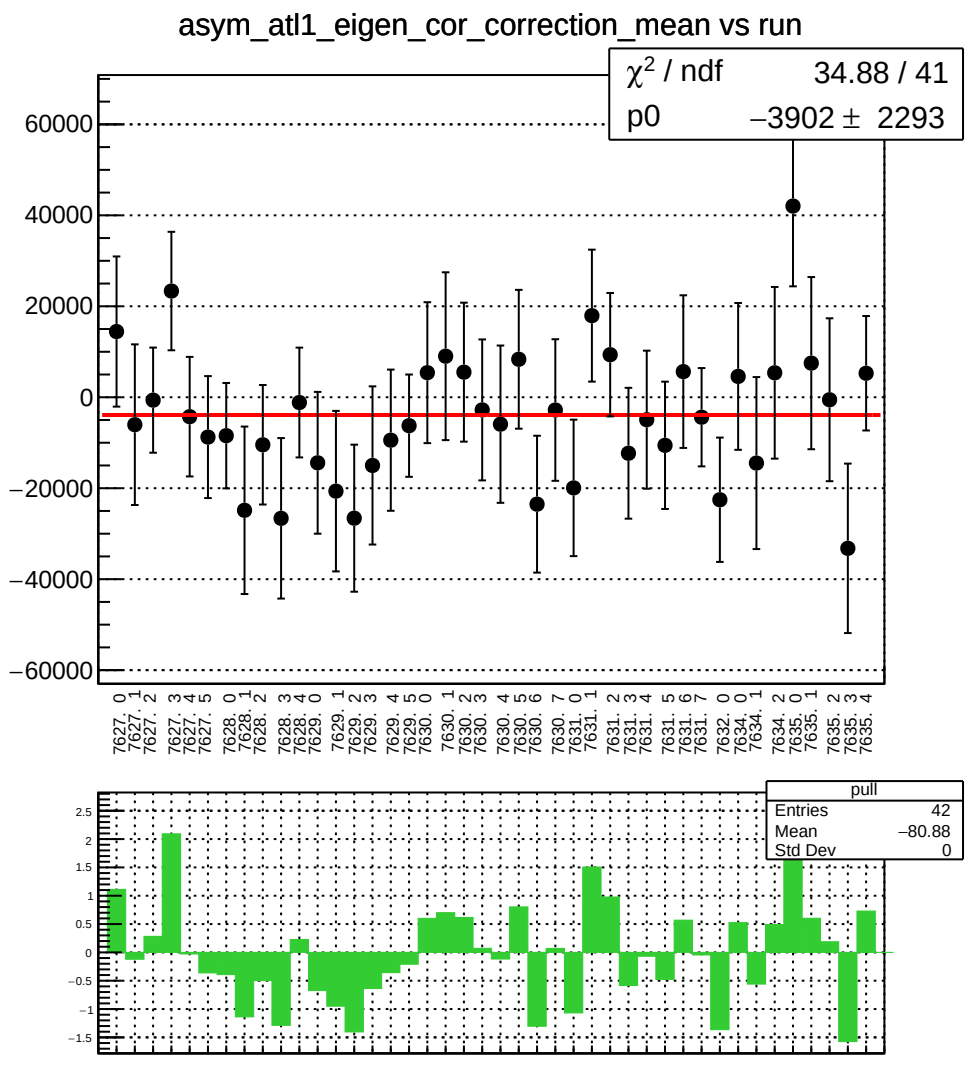

pull1D
Entries 42
Mean −0.01062
Std Dev 0.9113
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

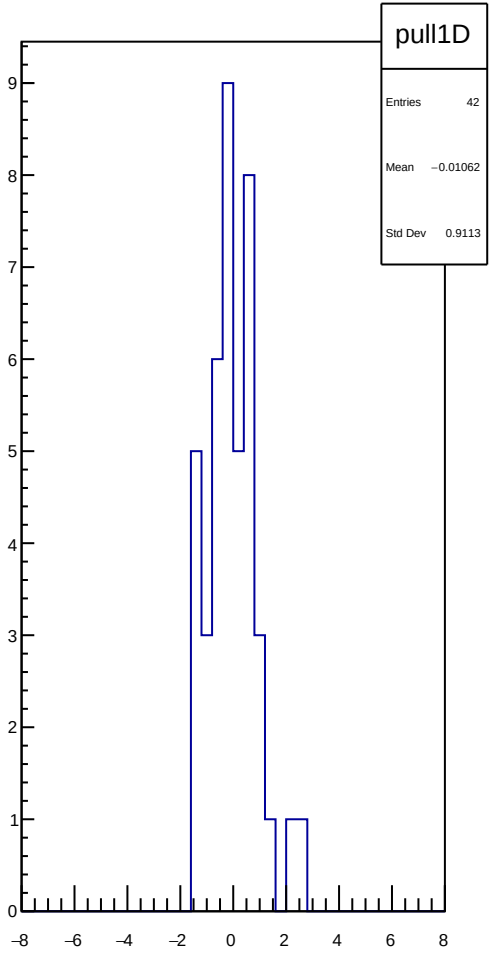

asym_atl1_cor_correction_rms vs run
χ² / ndf 1.555e+04 / 41
p0 1461 ± 1.621
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

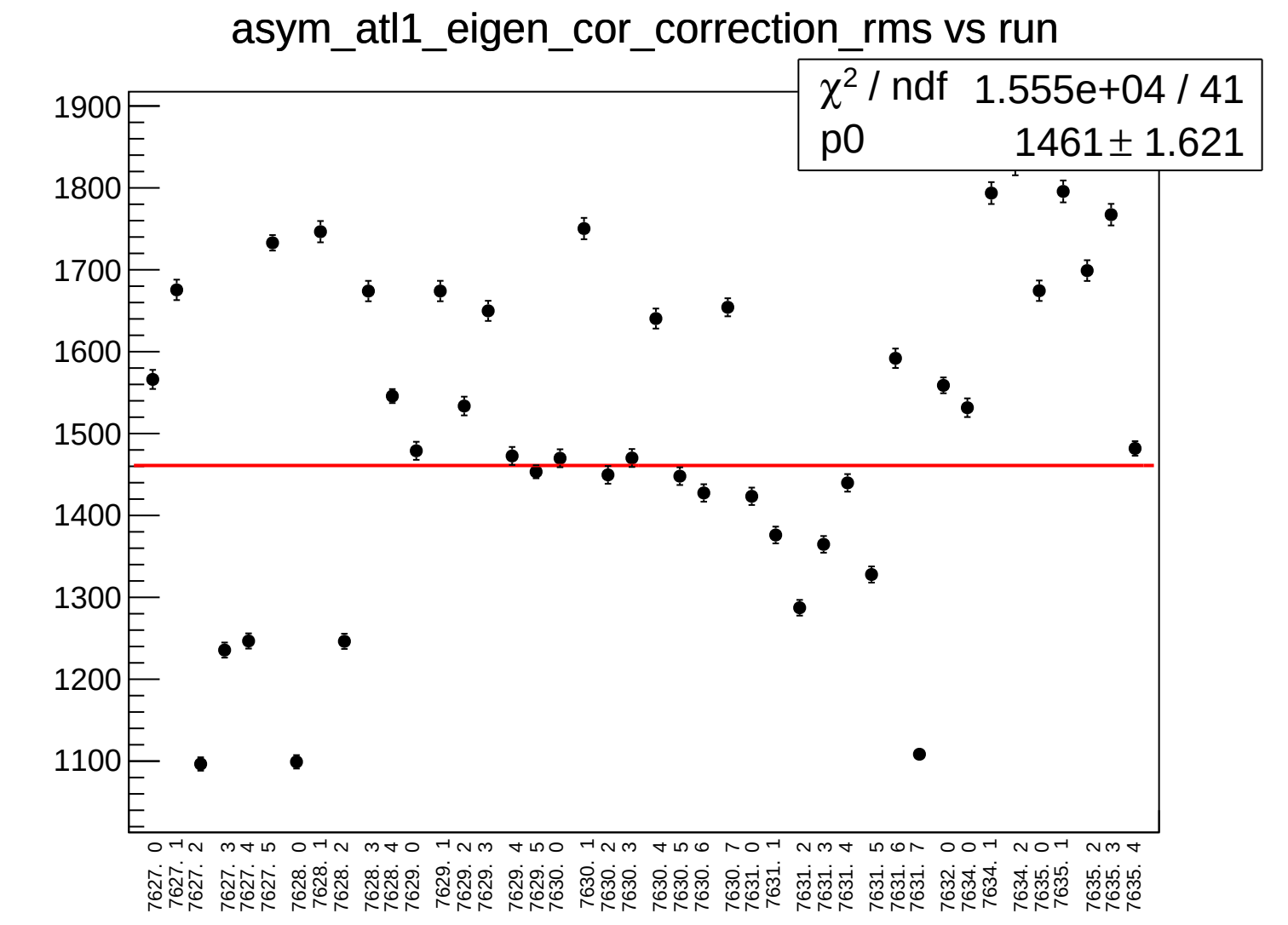

eigen_cor_asym_atl1_mean vs run
χ² / ndf 43.8 / 41
p0 −3145 ± 4095
×10³
pull
Entries 42
Mean 661.4
Std Dev 0

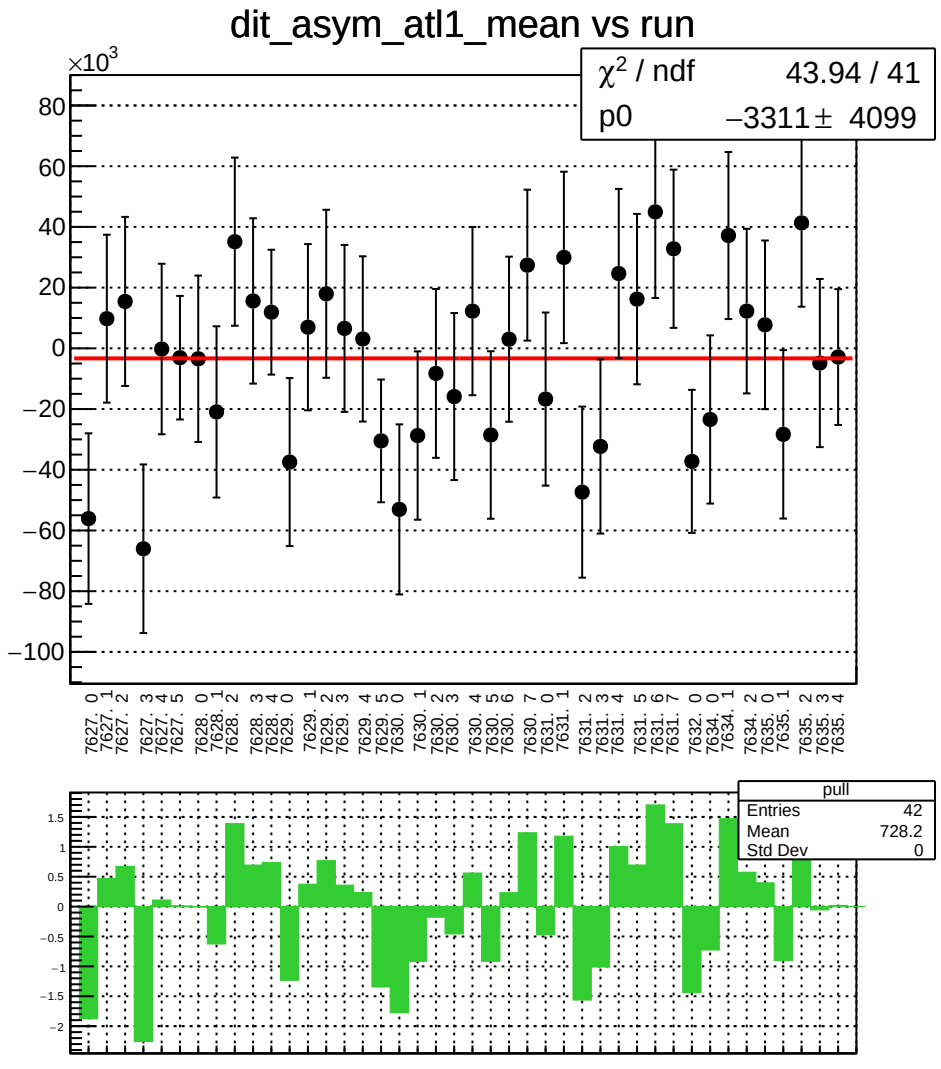

pull1D
Entries 42
Mean 0.003834
Std Dev 1.021

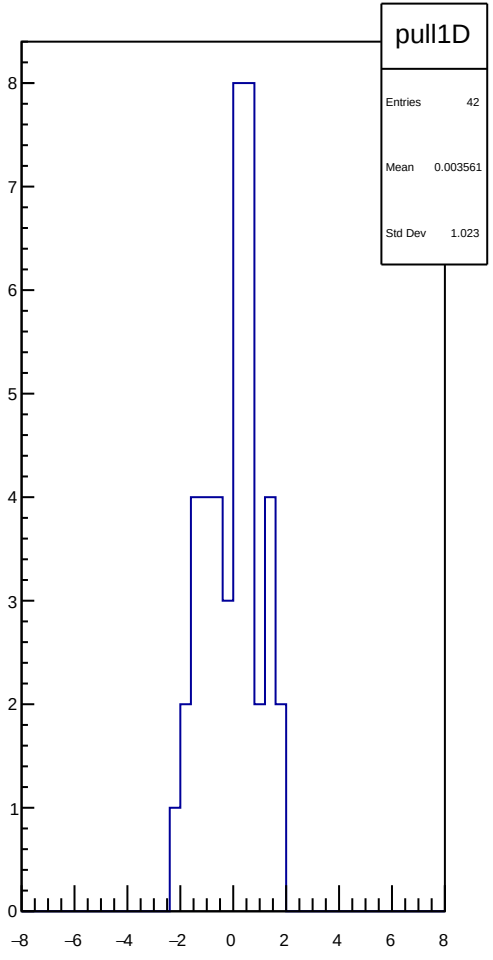

eigen_cor_asym_atl1_rms vs run
χ^2 / ndf 115.8 / 41
p0 2634 ± 2.896
2750
2700
2650
2600
2550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

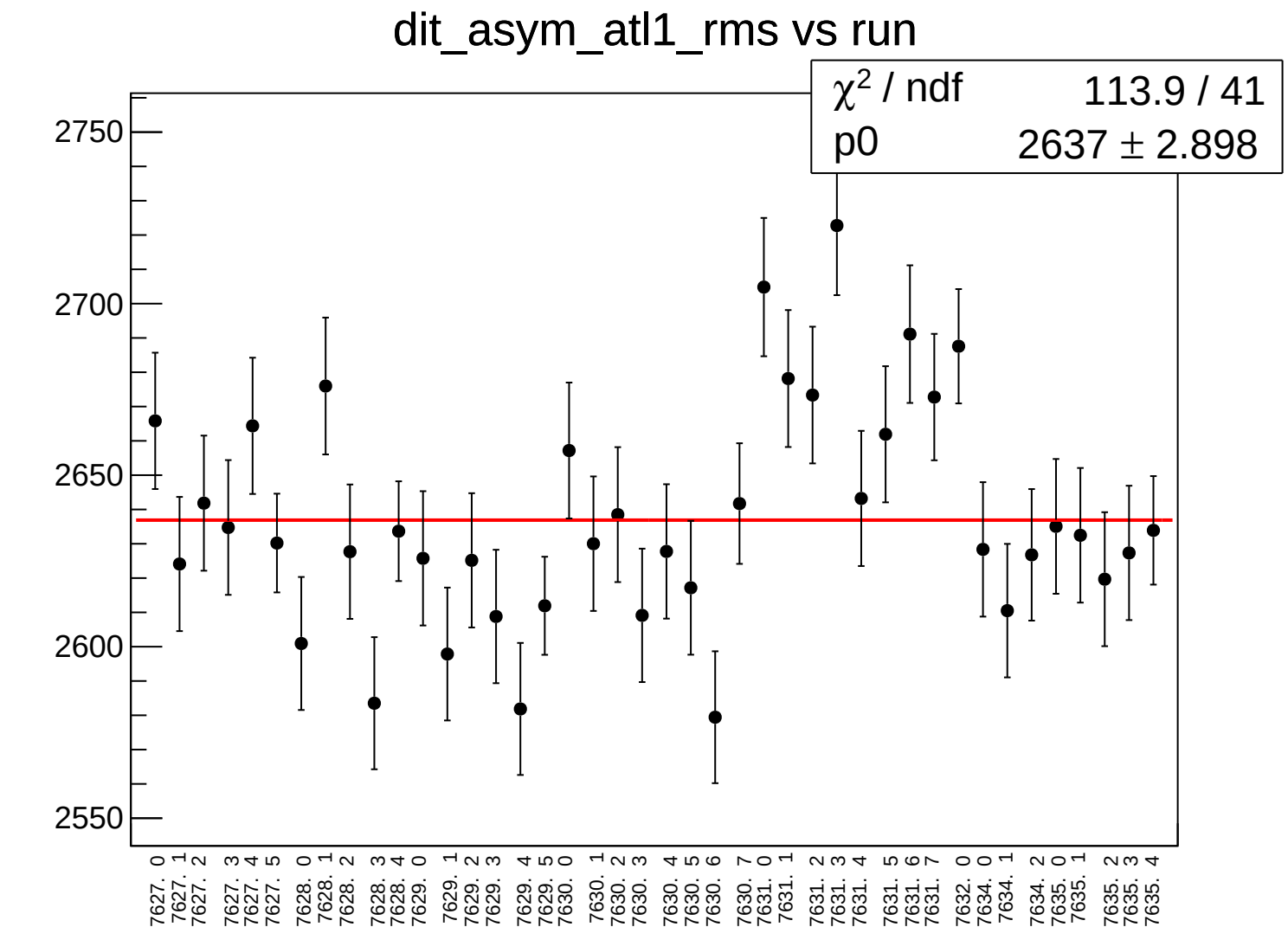

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 34.88 / 41
p0 −3902 ± 2293
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.88
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

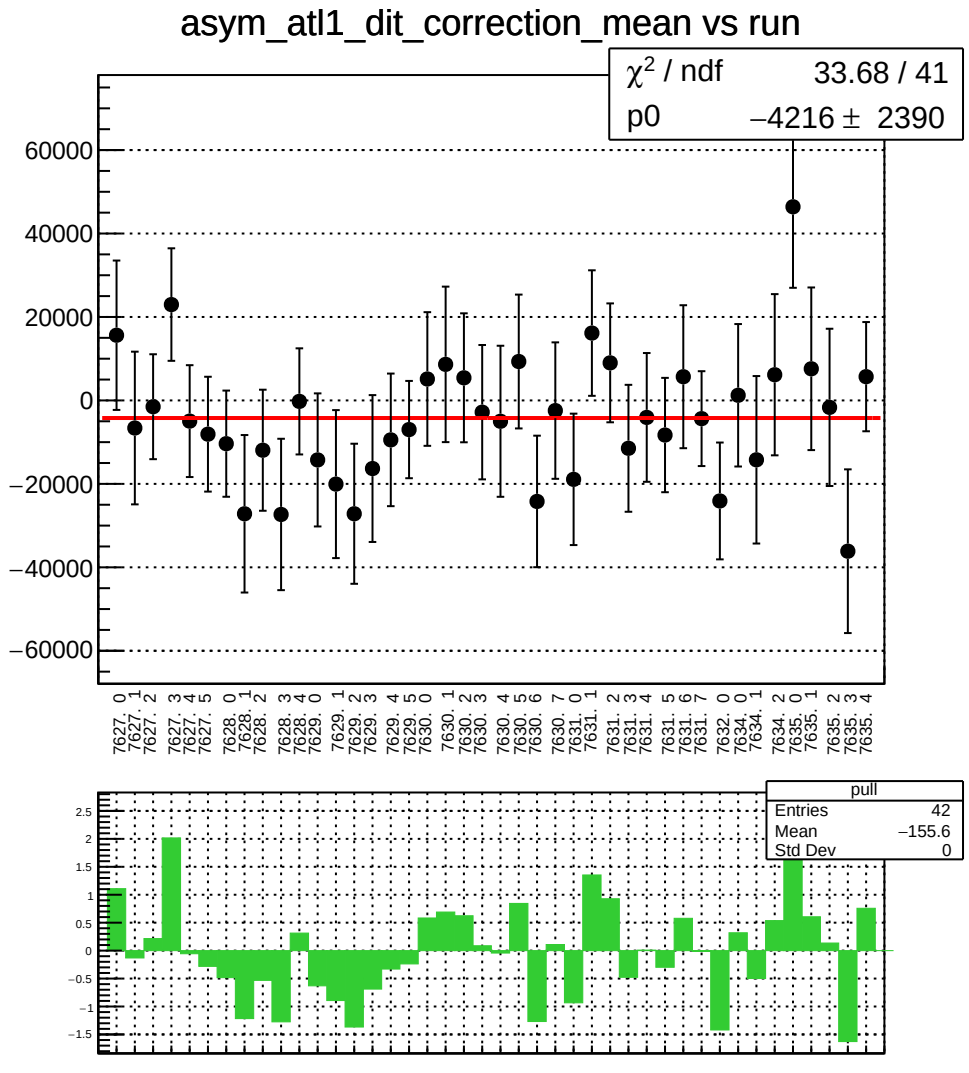

pull1D
Entries 42
Mean −0.01062
Std Dev 0.9113
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

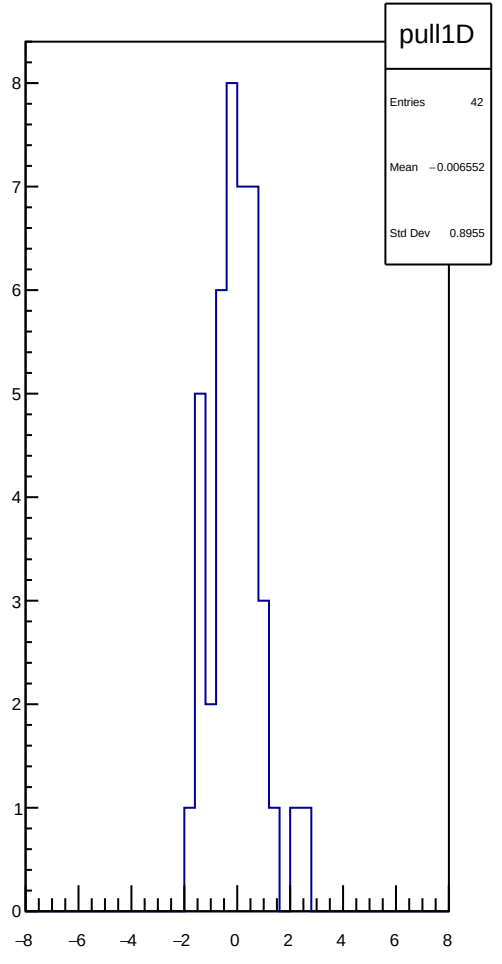

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 1.555e+04 / 41
p0 1461 ± 1.621
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

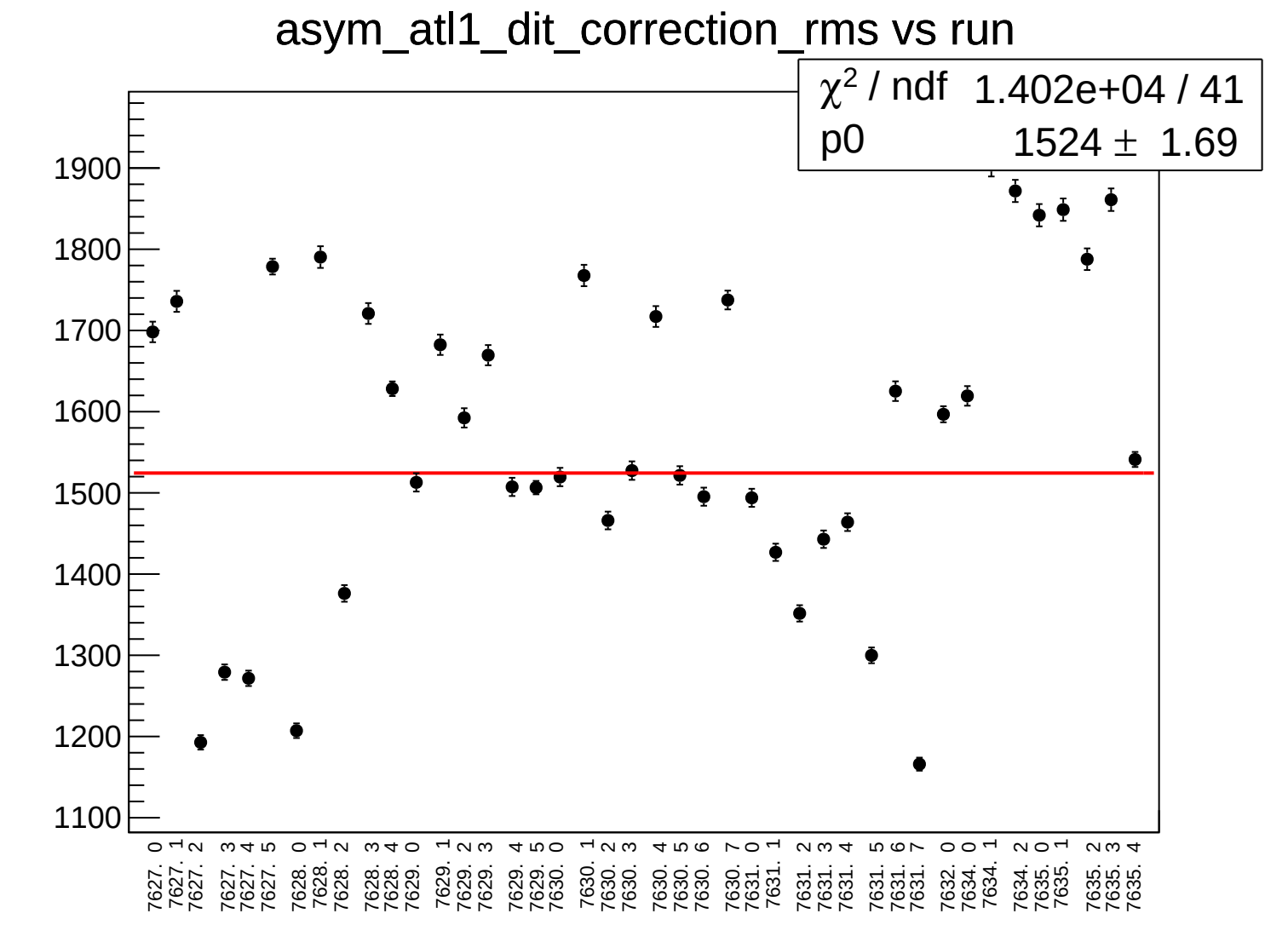

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 43.94 / 41
p0 −3311 ± 4099
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 728.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

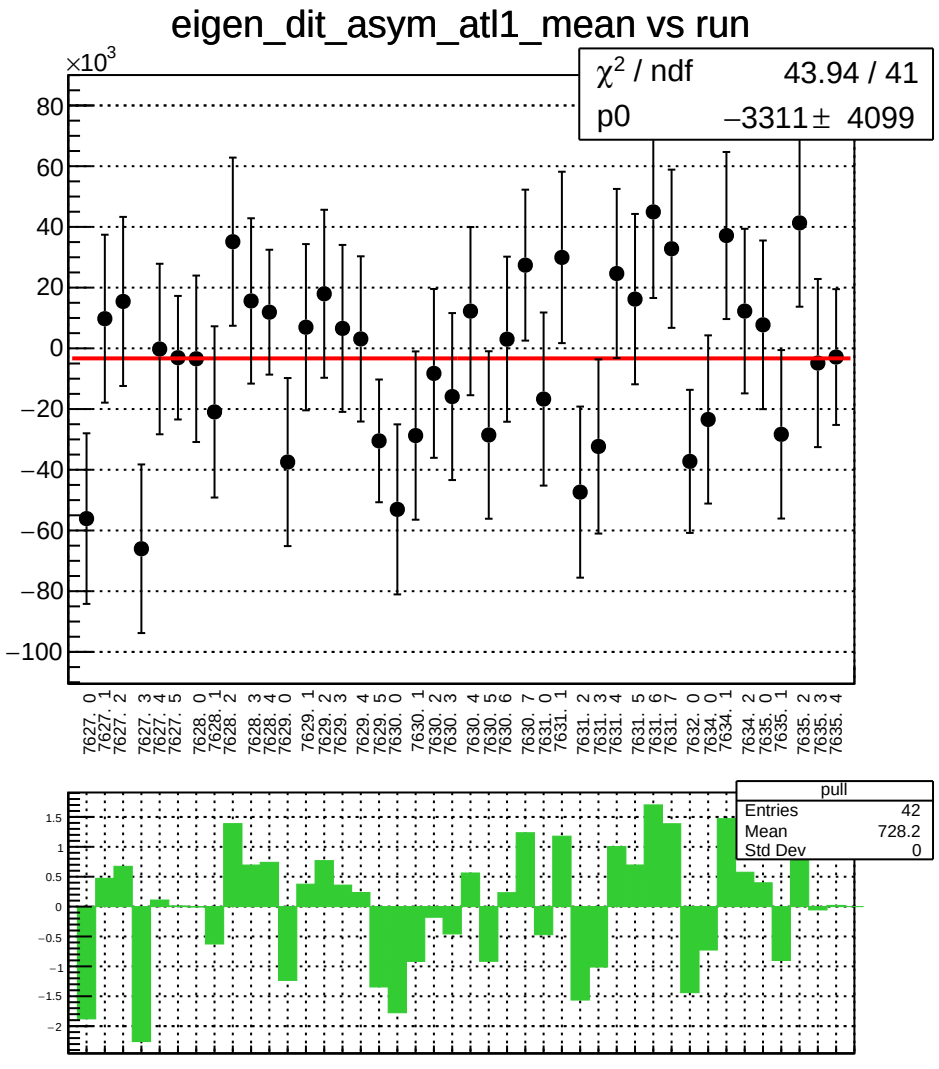

pull1D
Entries 42
Mean 0.003561
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

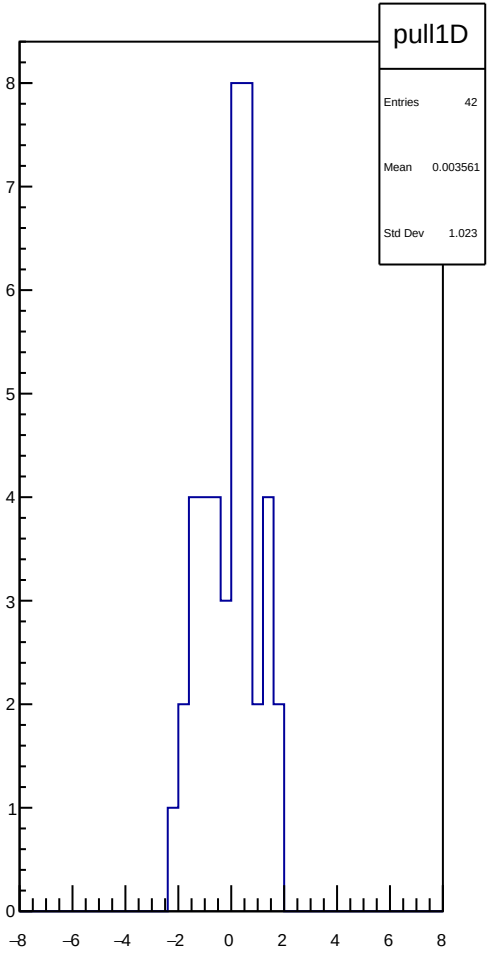

dit_asym_atl1_rms vs run
χ² / ndf 113.9 / 41
p0 2637 ± 2.898
2750
2700
2650
2600
2550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

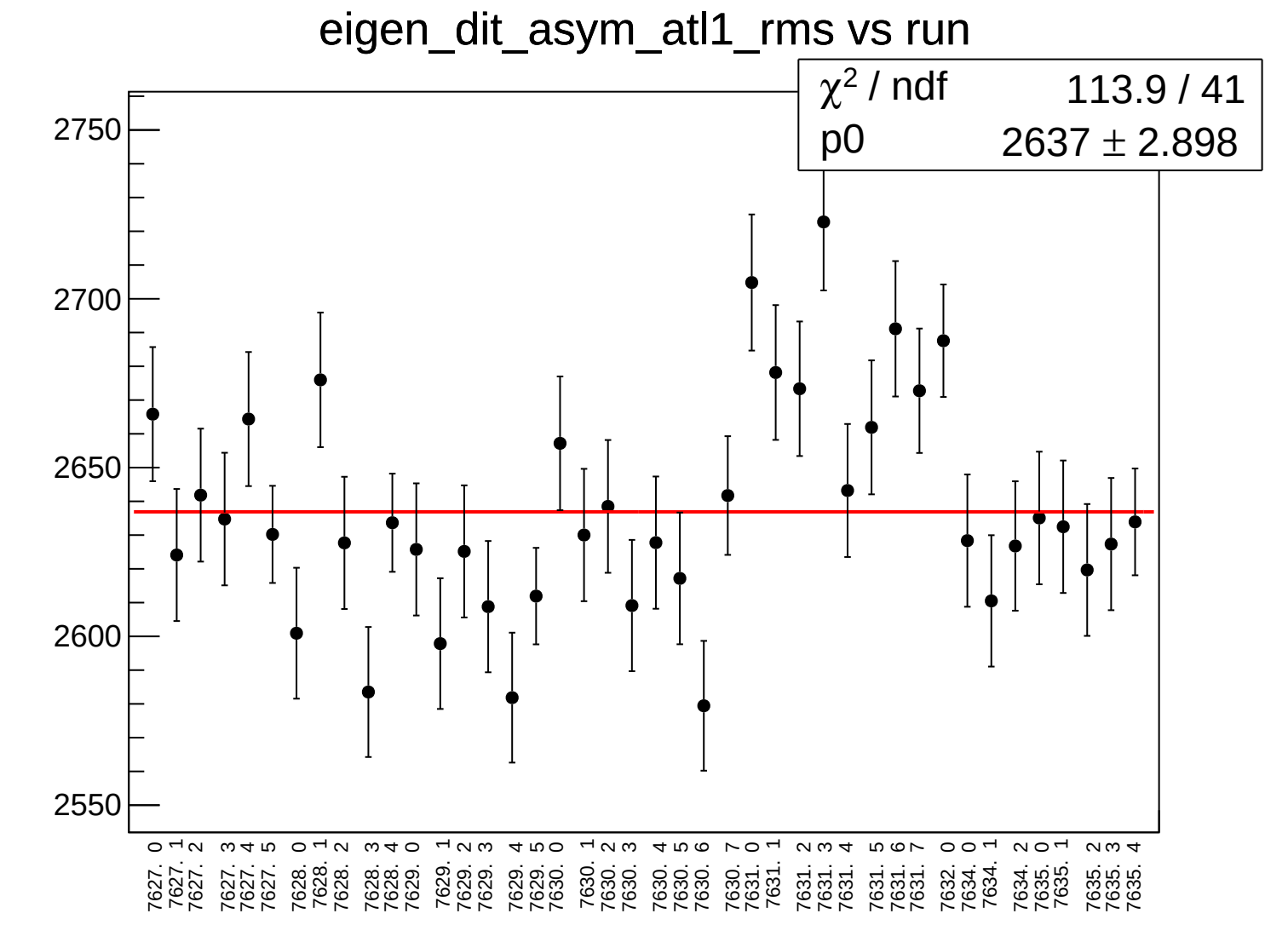

asym_atl1_dit_correction_mean vs run
χ² / ndf 33.68 / 41
p0 −4216 ± 2390
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −155.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

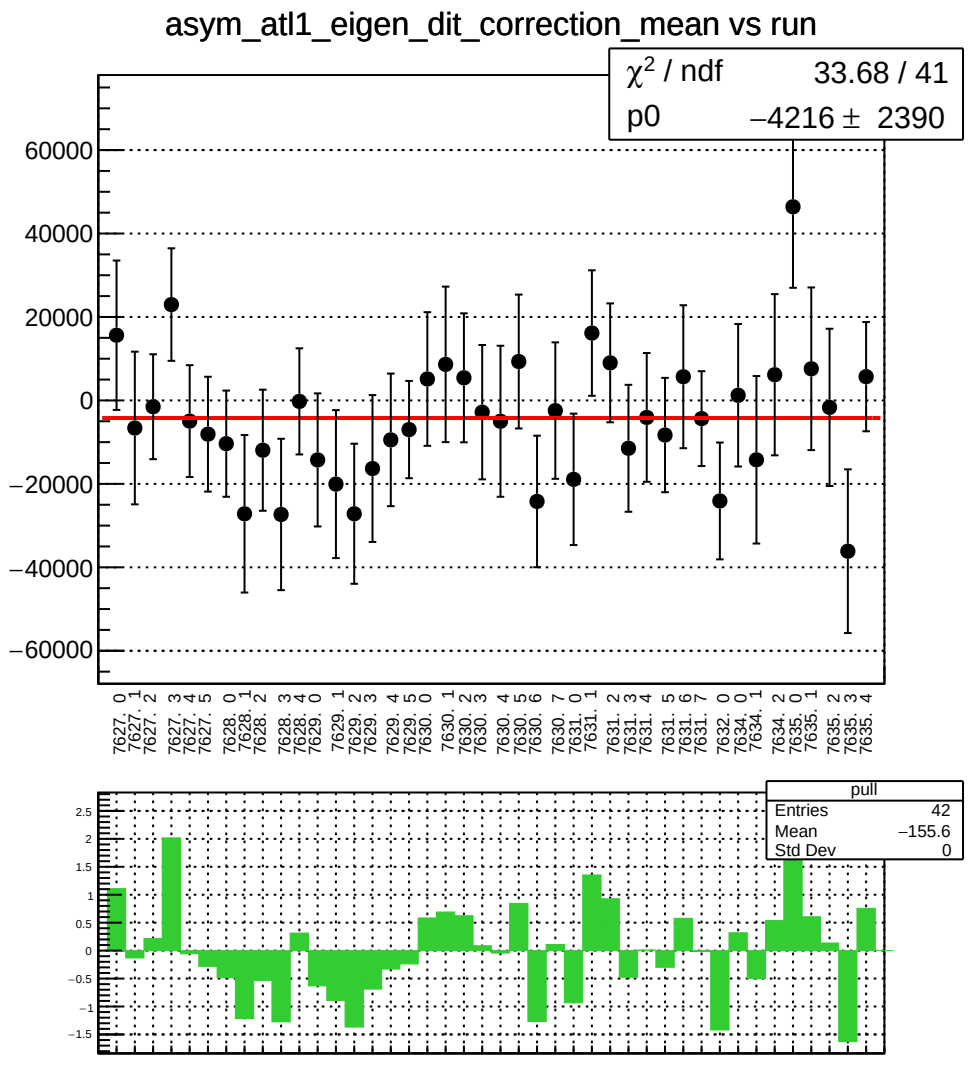

pull1D
Entries 42
Mean −0.006552
Std Dev 0.8955
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

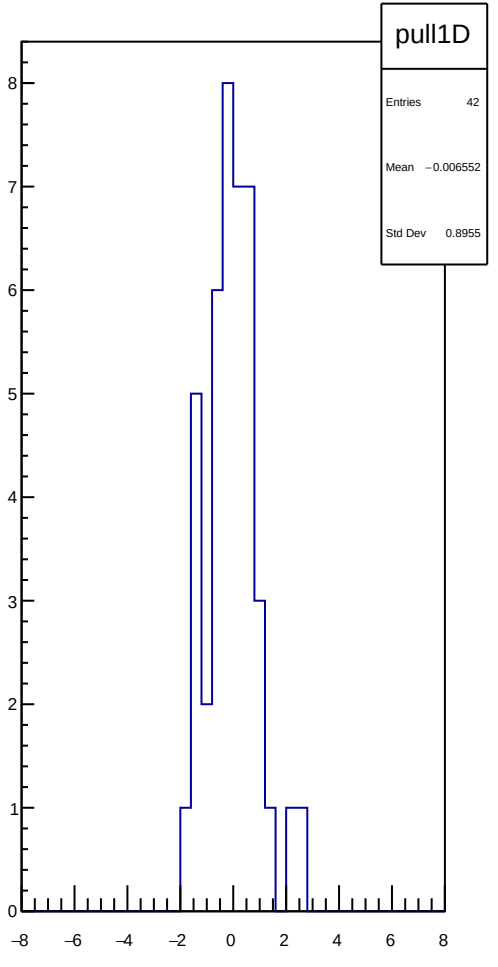

asym_atl1_dit_correction_rms vs run
χ² / ndf 1.402e+04 / 41
p0 1524 ± 1.69
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

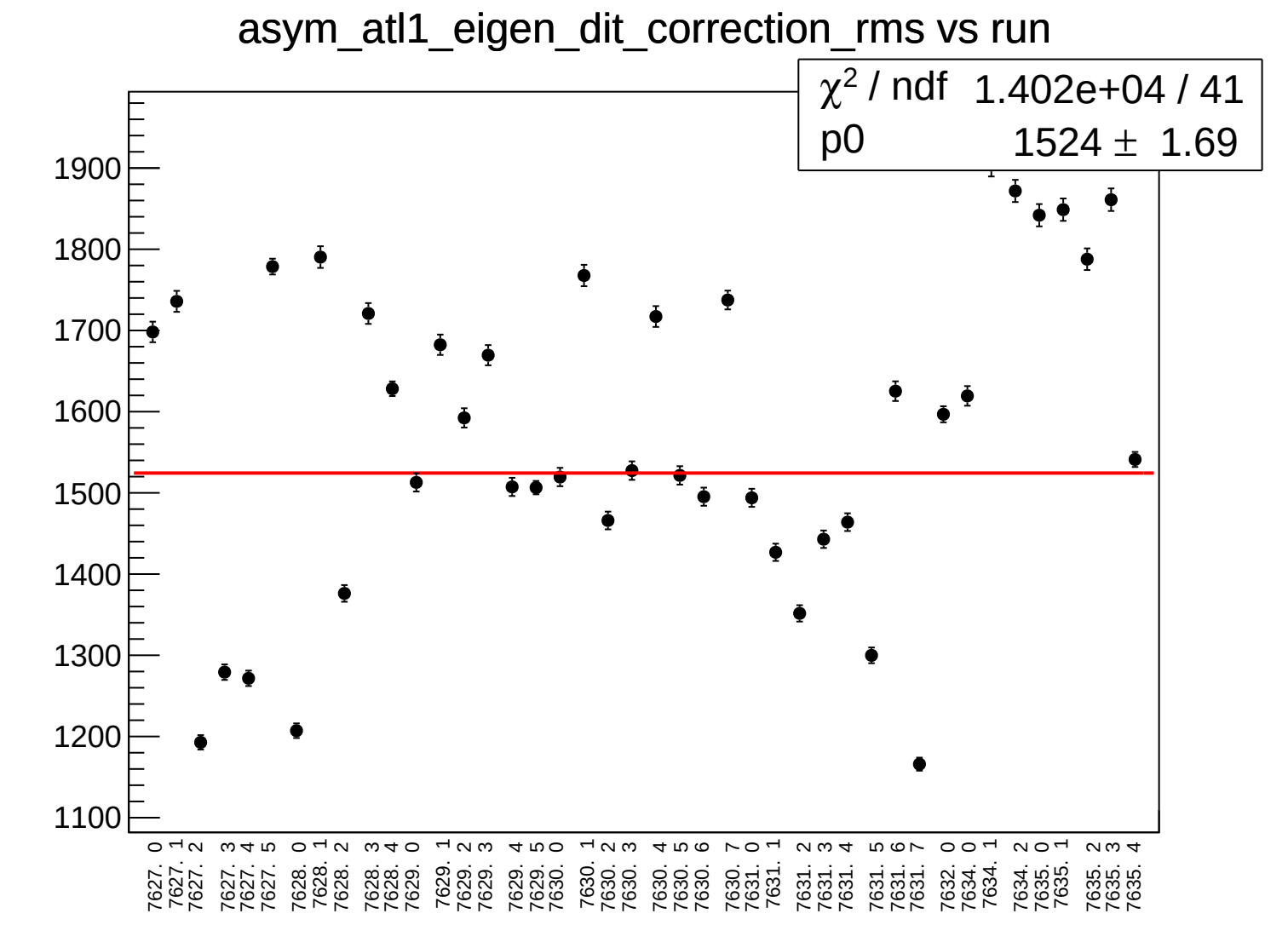

eigen_dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 43.94 / 41
p0 −3311 ± 4099
pull
Entries 42
Mean 728.2
Std Dev 0

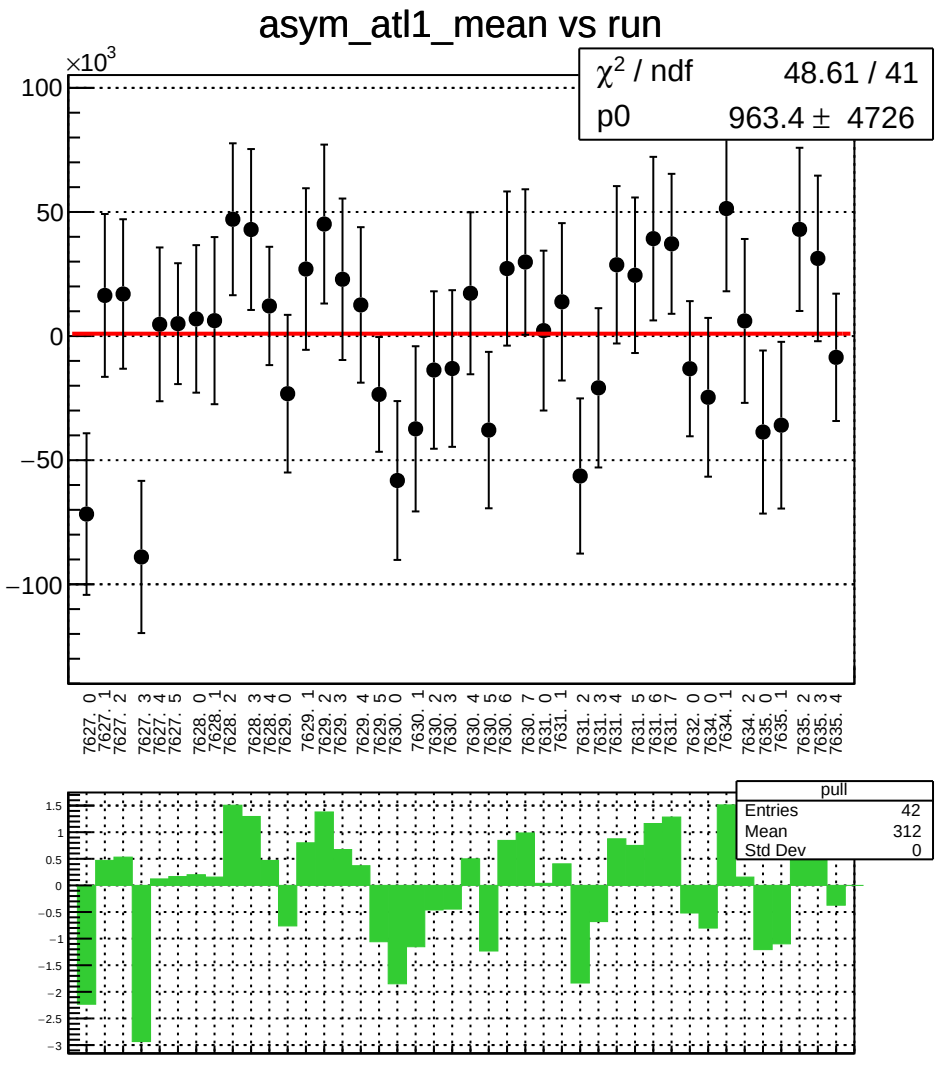

pull1D
Entries 42
Mean 0.003561
Std Dev 1.023

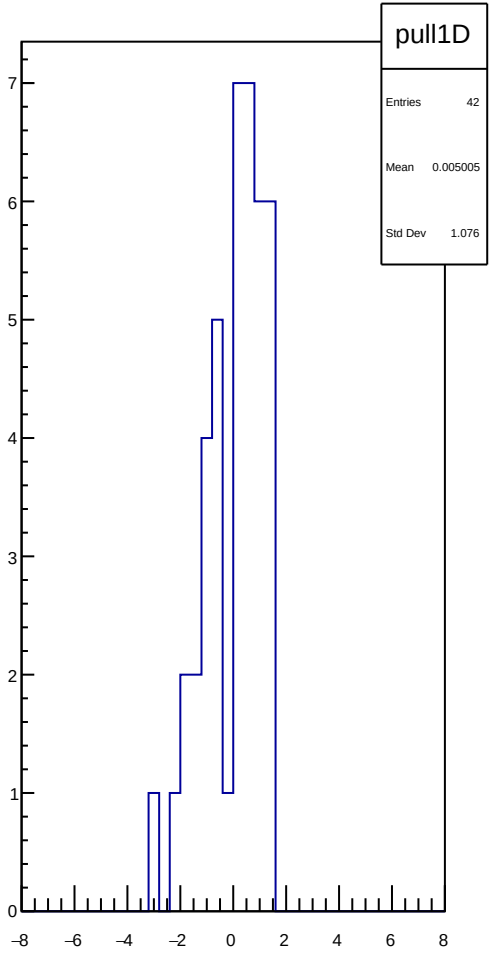

eigen_dit_asym_atl1_rms vs run
χ² / ndf 113.9 / 41
p0 2637 ± 2.898
2750
2700
2650
2600
2550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

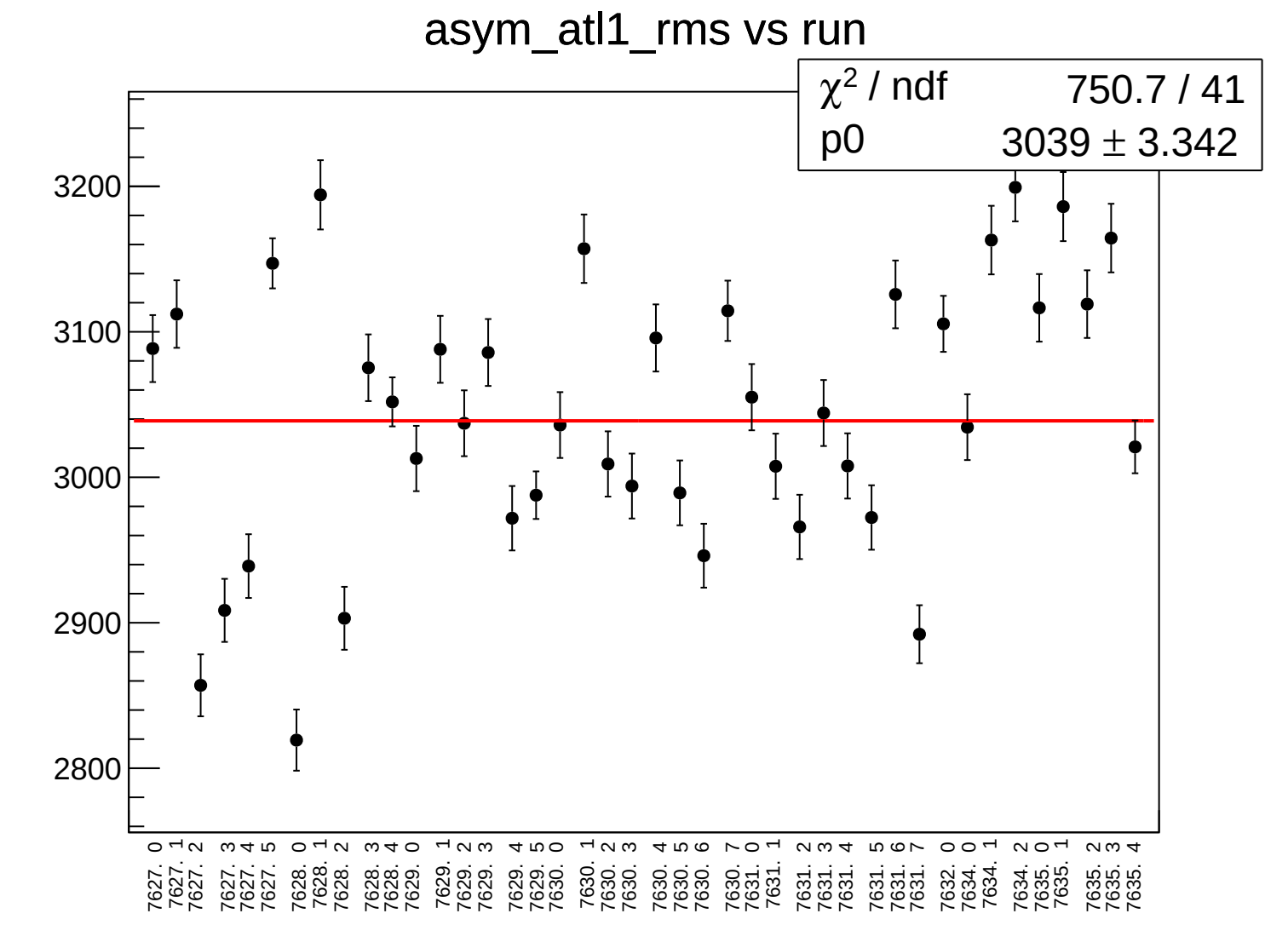

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 33.68 / 41
p0 −4216 ± 2390
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −155.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

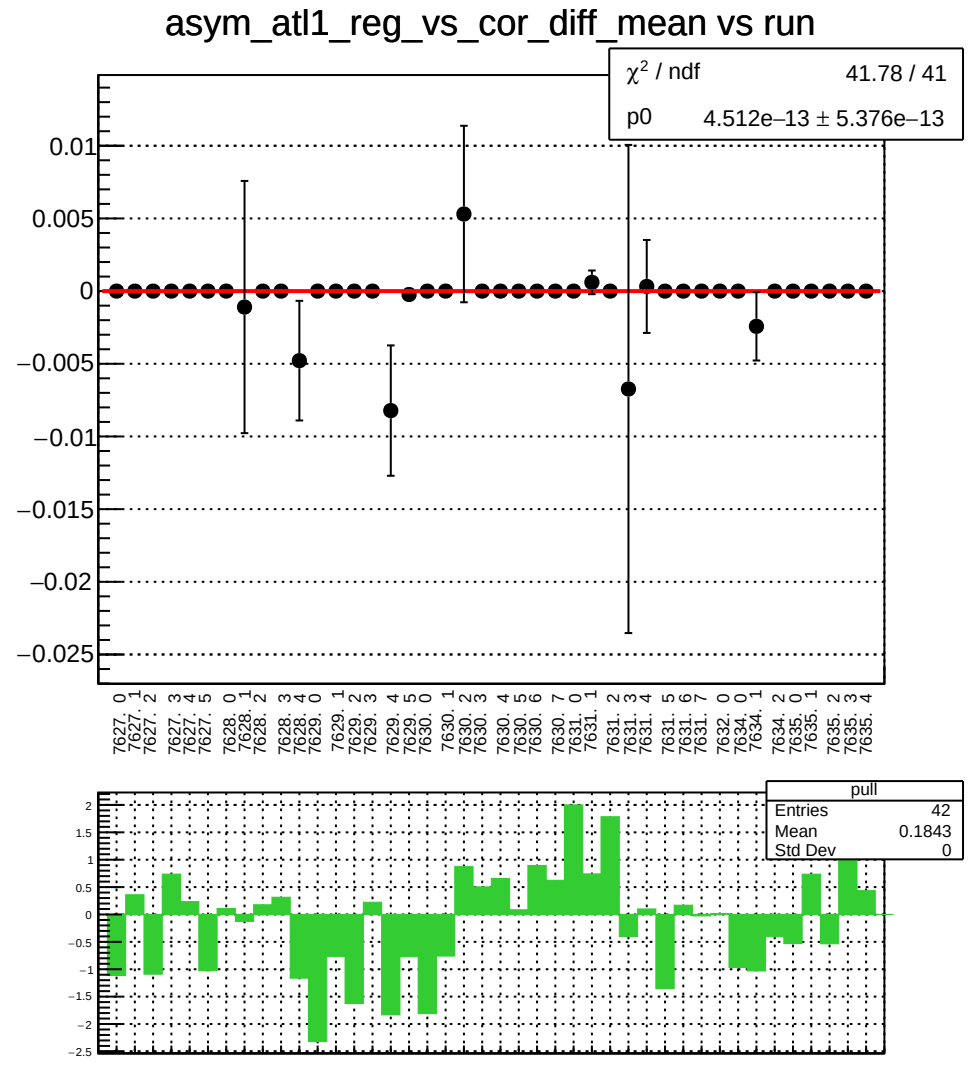

pull1D
Entries 42
Mean −0.006552
Std Dev 0.8955
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

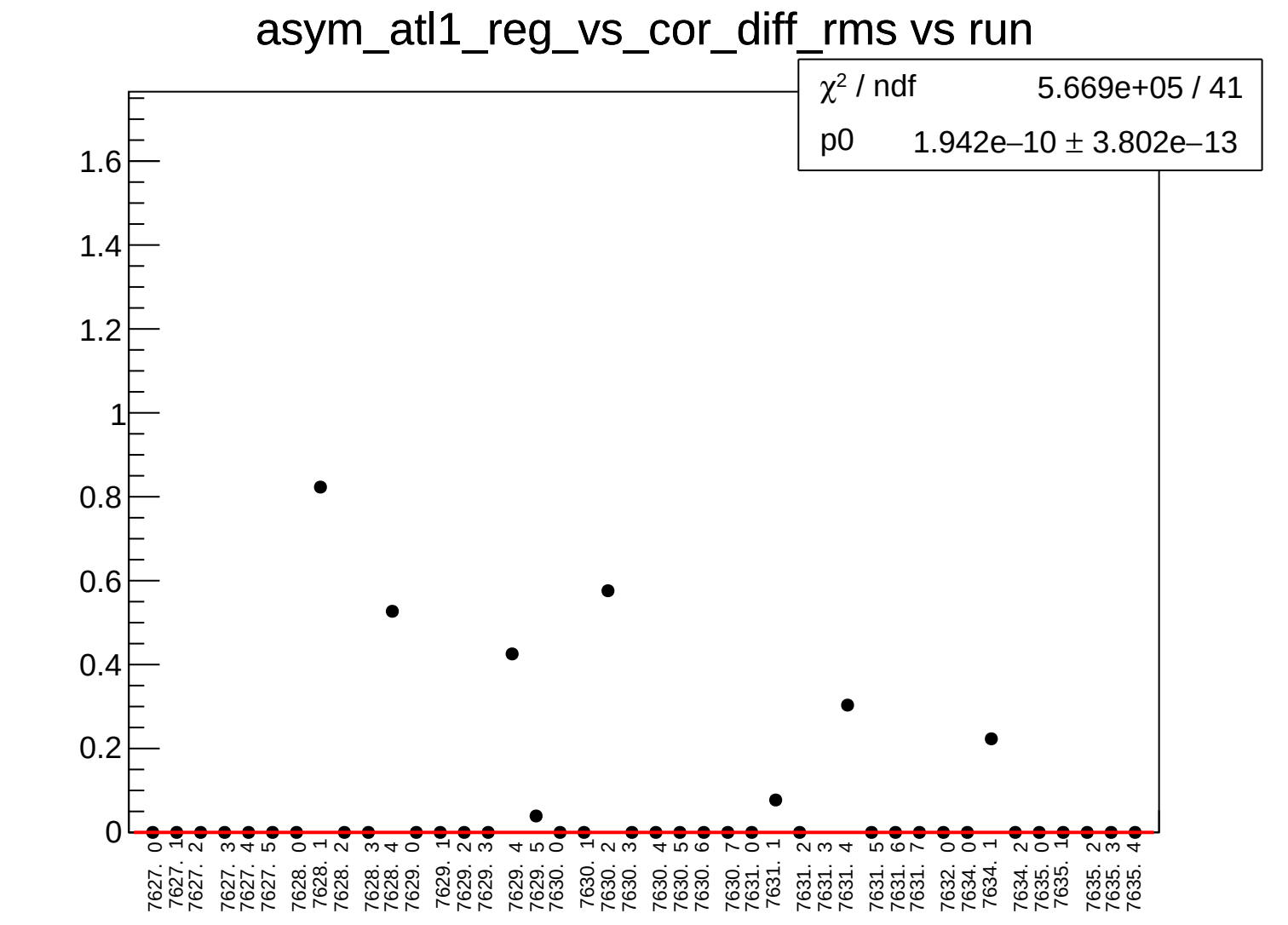

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1.402e+04 / 41
p0 1524 ± 1.69
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

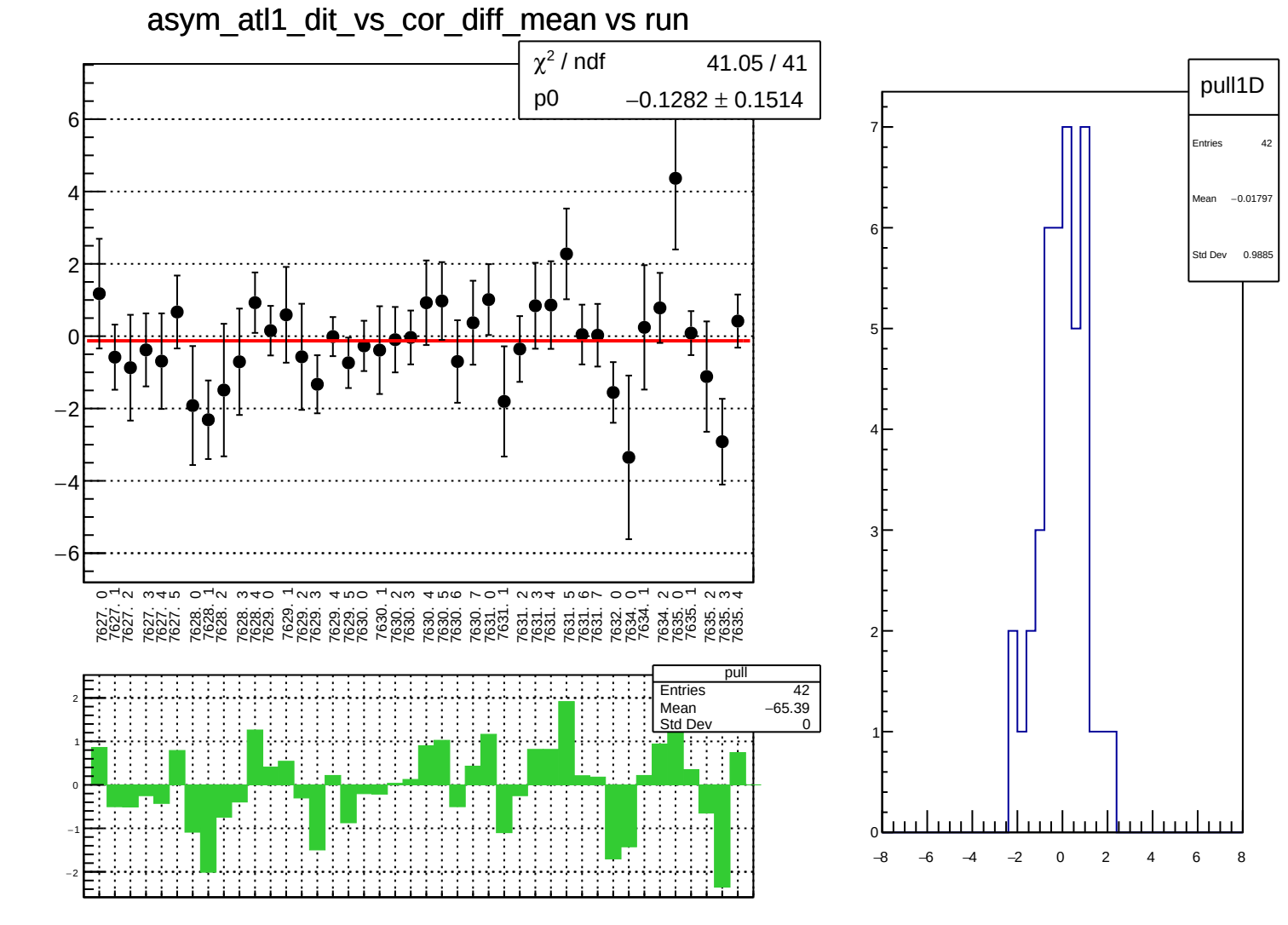

asym_atl1_mean vs run
×10^3
χ^2 / ndf 48.61 / 41
p0 963.4 ± 4726
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 312
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

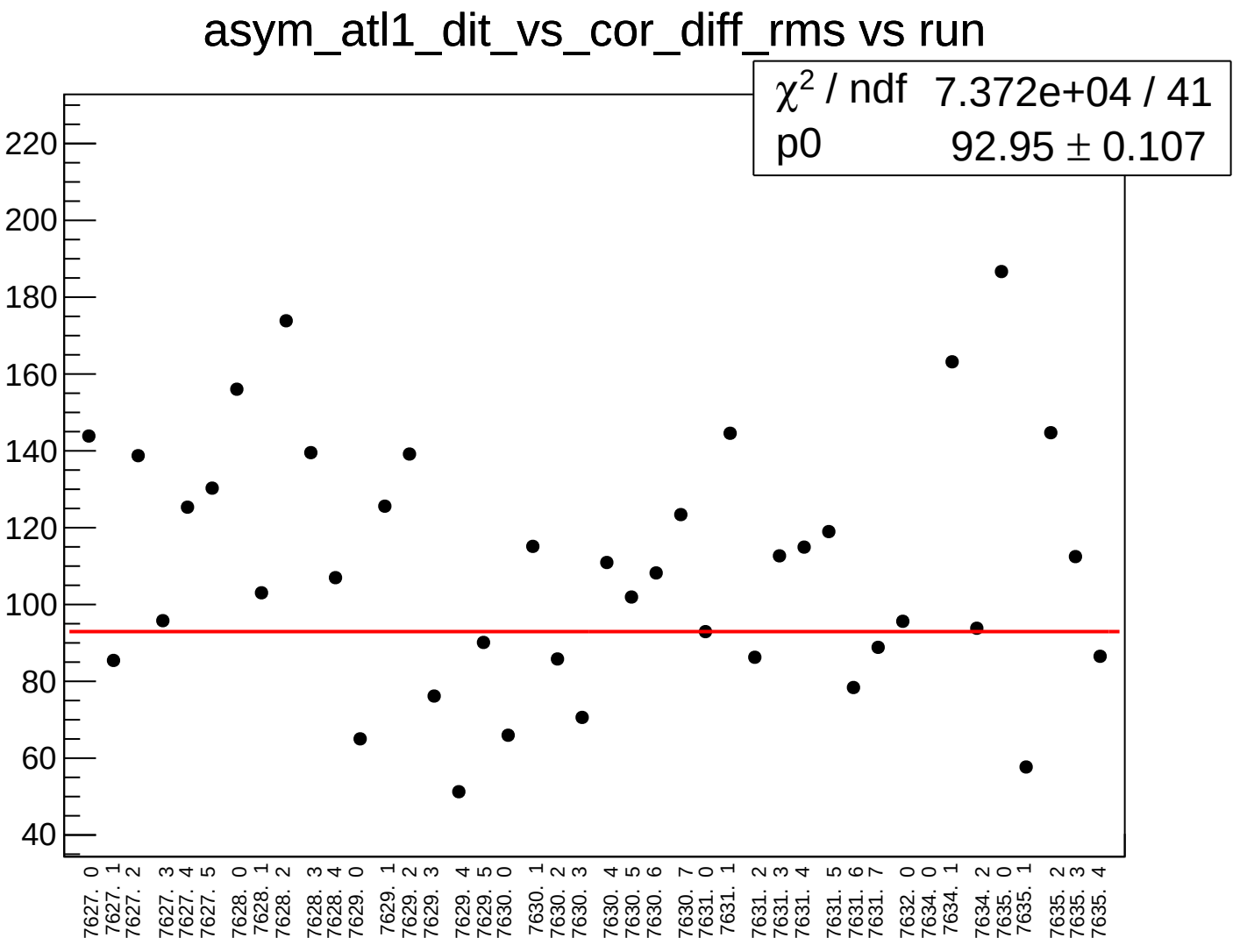

pull1D
Entries 42
Mean 0.005005
Std Dev 1.076
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

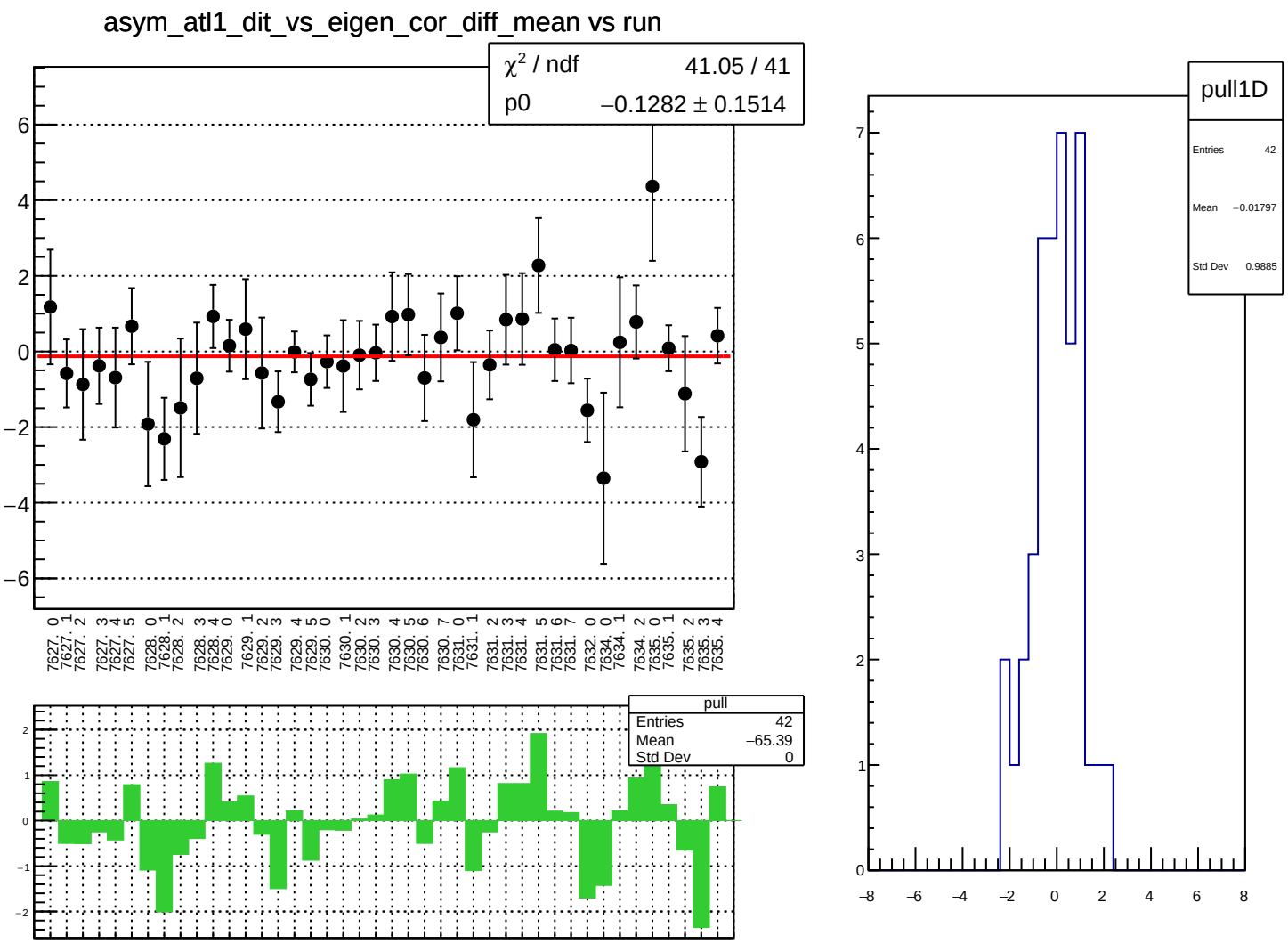

asym_atl1_rms vs run
χ² / ndf 750.7 / 41
p0 3039 ± 3.342
3200
3100
3000
2900
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

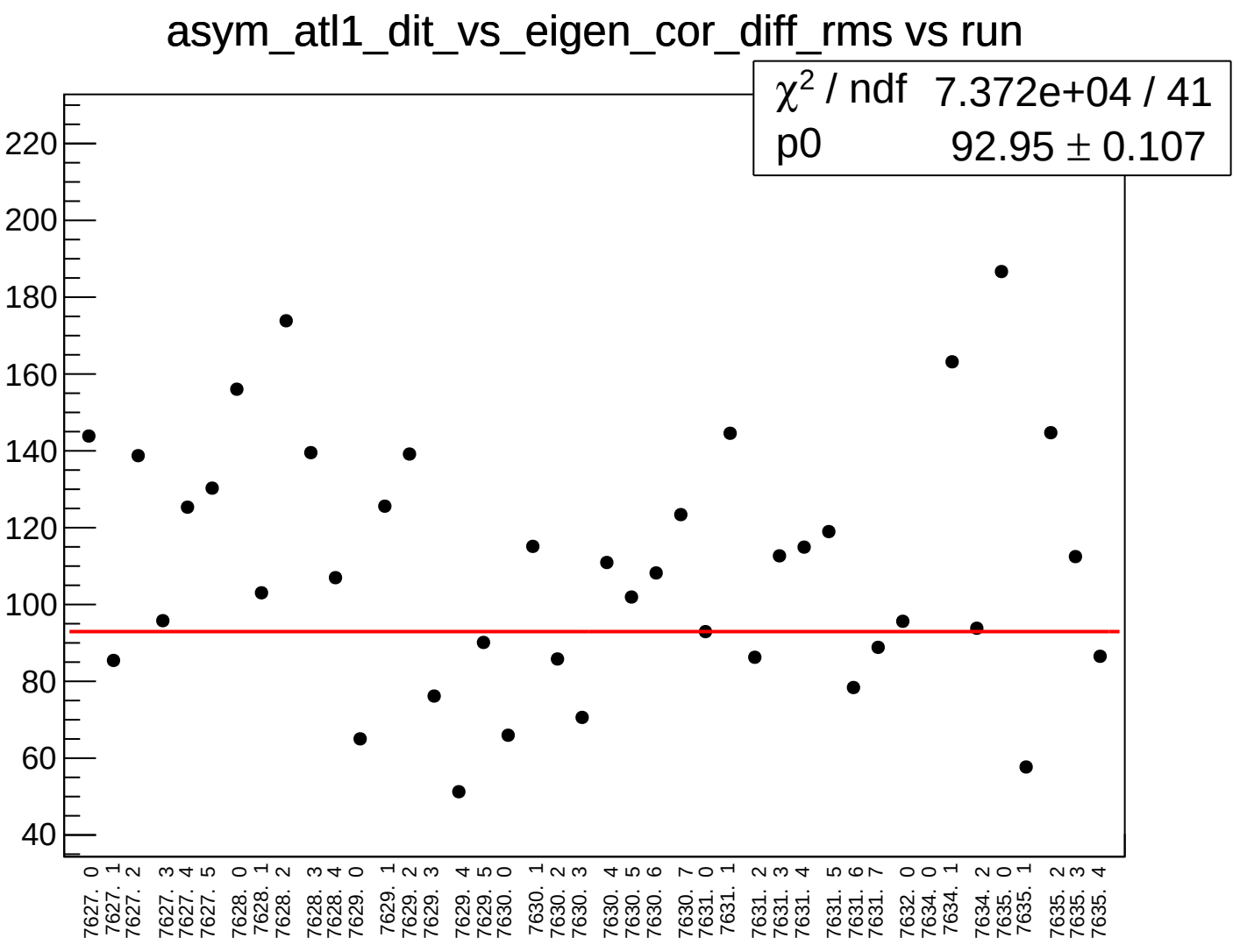

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 41.78 / 41
p0 4.512e−13 ± 5.376e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.1843
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.1417
Std Dev 0.9873
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

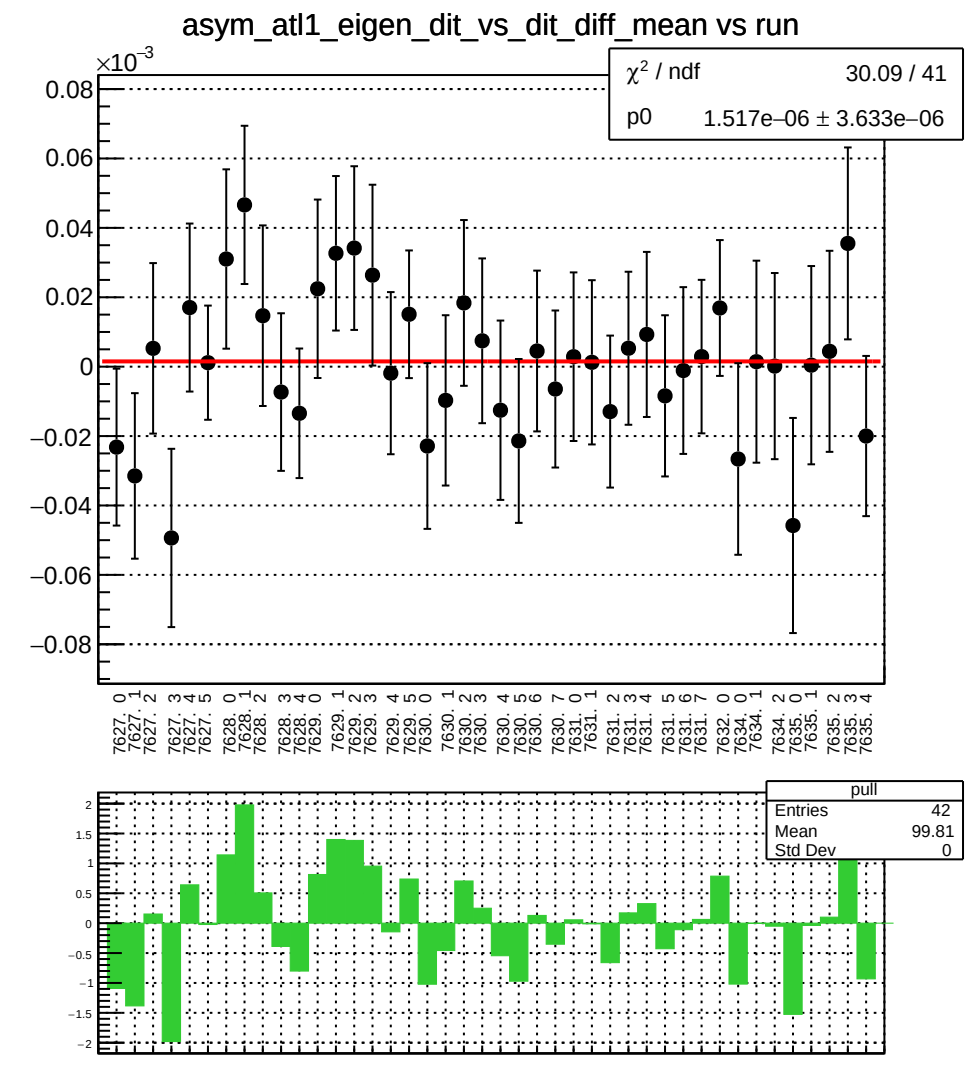

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.669e+05 / 41
p0 1.942e−10 ± 3.802e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

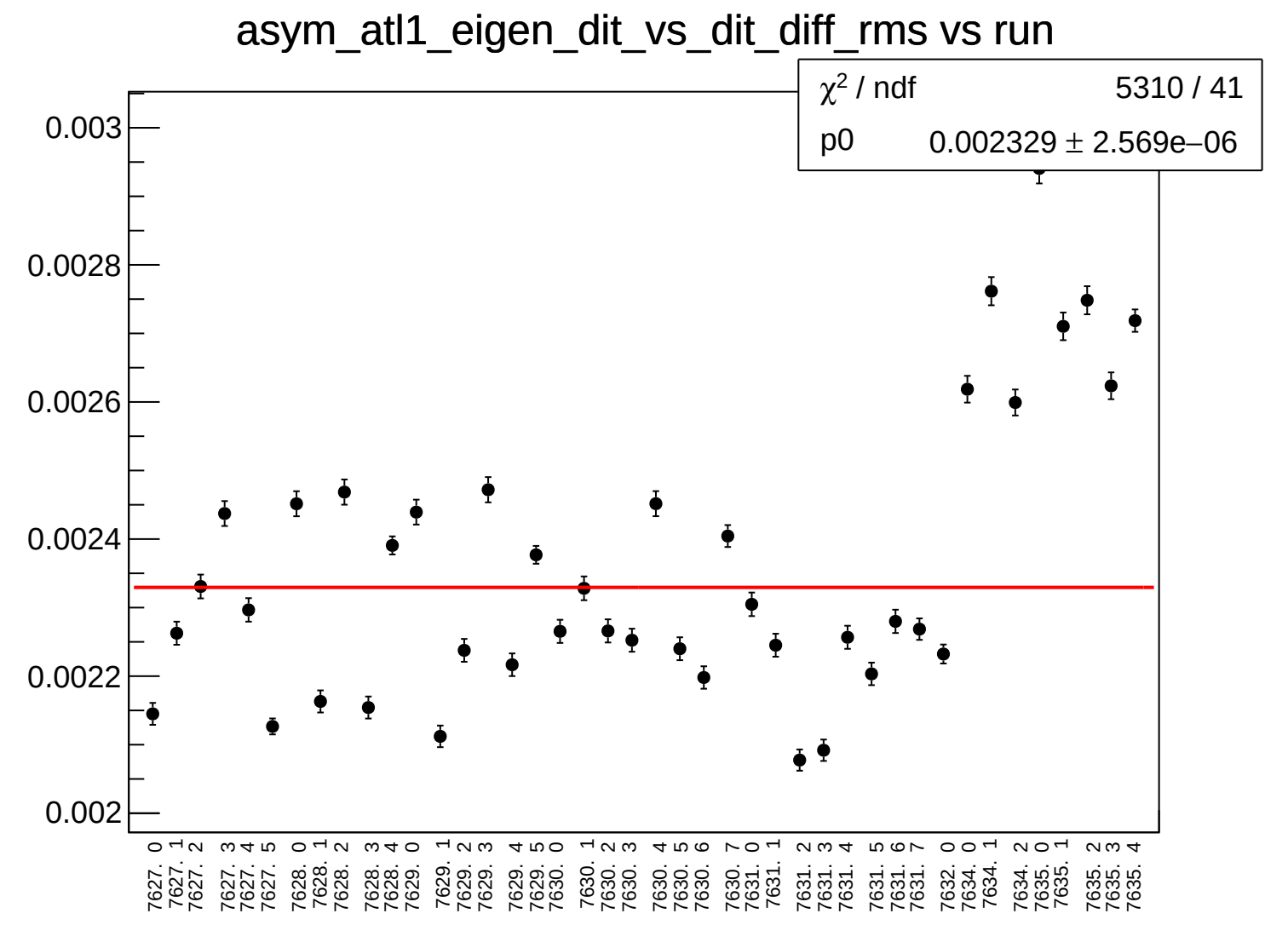

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 41.05 / 41
p0 −0.1282 ± 0.1514
pull
Entries 42
Mean −65.39
Std Dev 0
pull1D
Entries 42
Mean −0.01797
Std Dev 0.9885


asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 7.372e+04 / 41
p0 92.95 ± 0.107
220
200
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.05 / 41
p0 −0.1282 ± 0.1514
pull
Entries 42
Mean −65.39
Std Dev 0
pull1D
Entries 42
Mean −0.01797
Std Dev 0.9885


asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.372e+04 / 41
p0 92.95 ± 0.107
220
200
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.09 / 41
p0 1.517e−06 ± 3.633e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 99.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.009652
Std Dev 0.8464
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5310 / 41
p0 0.002329 ± 2.569e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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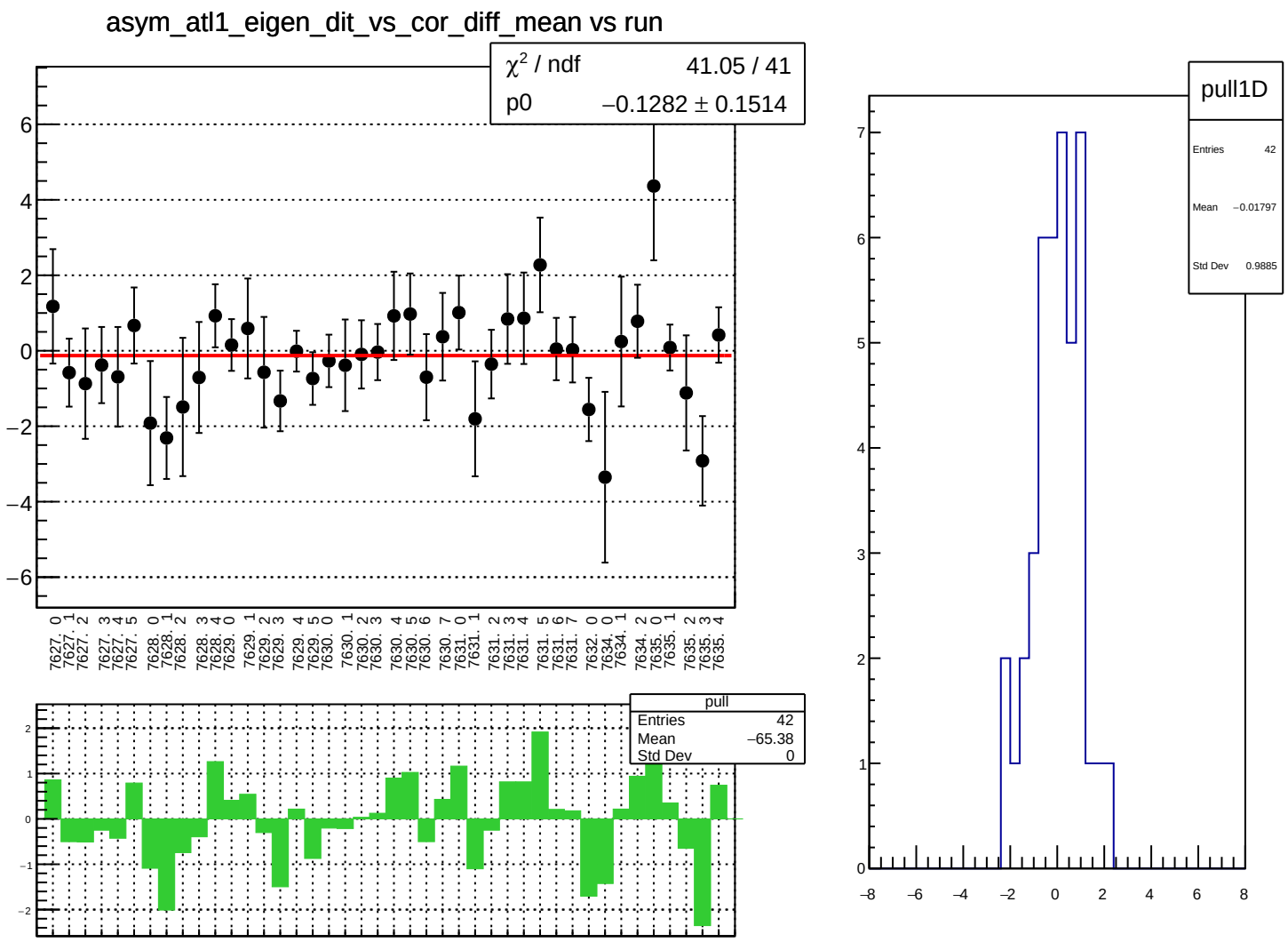
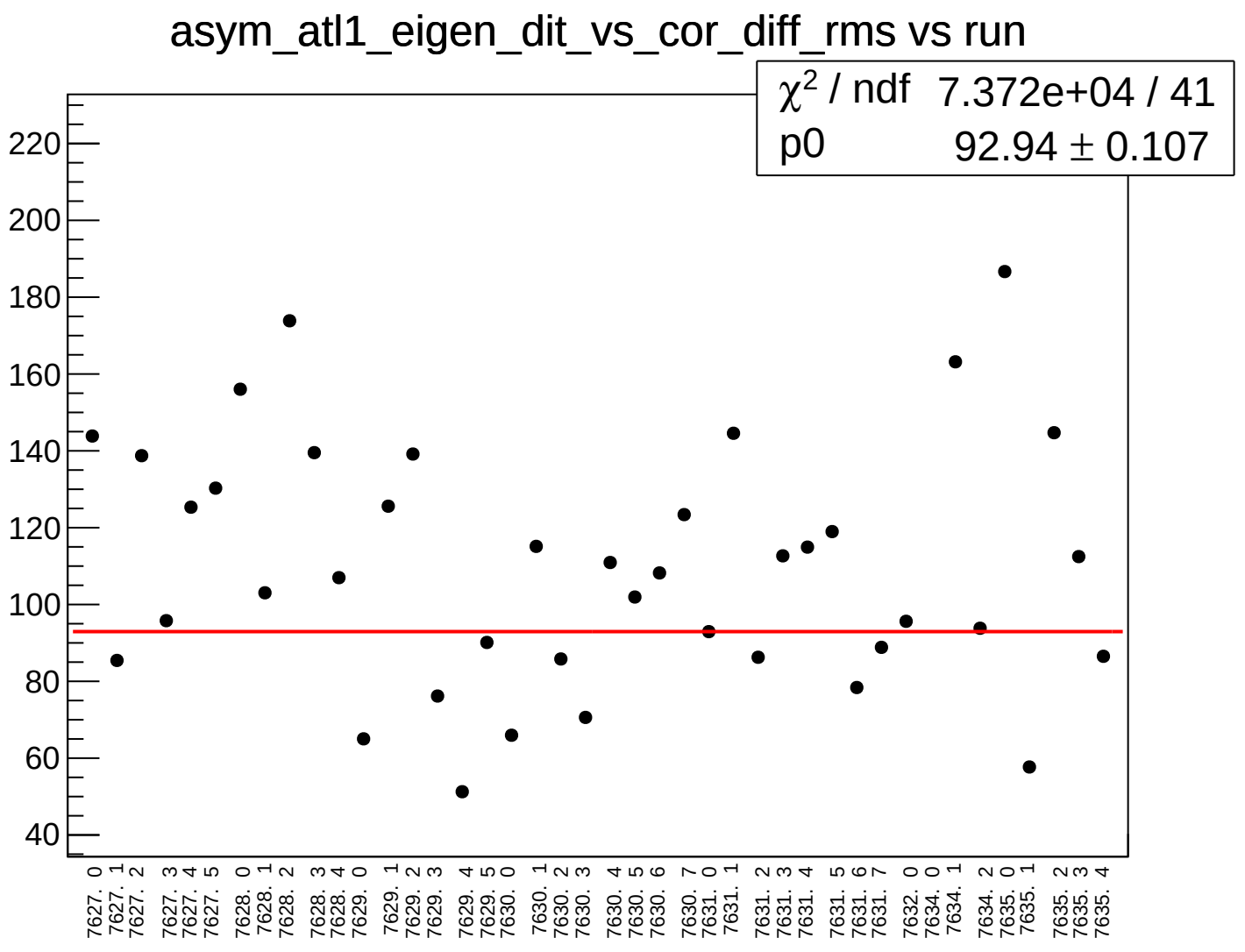
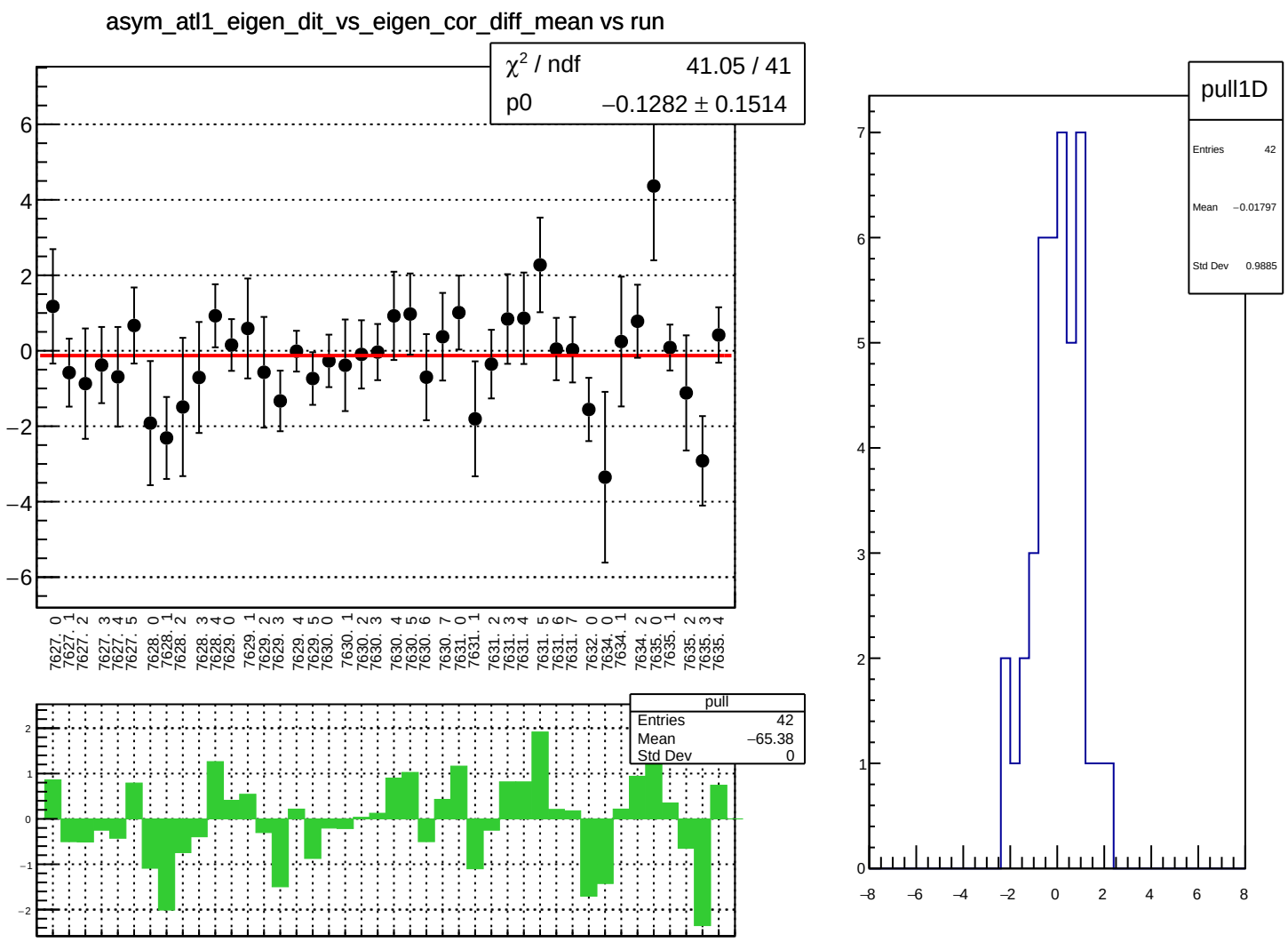
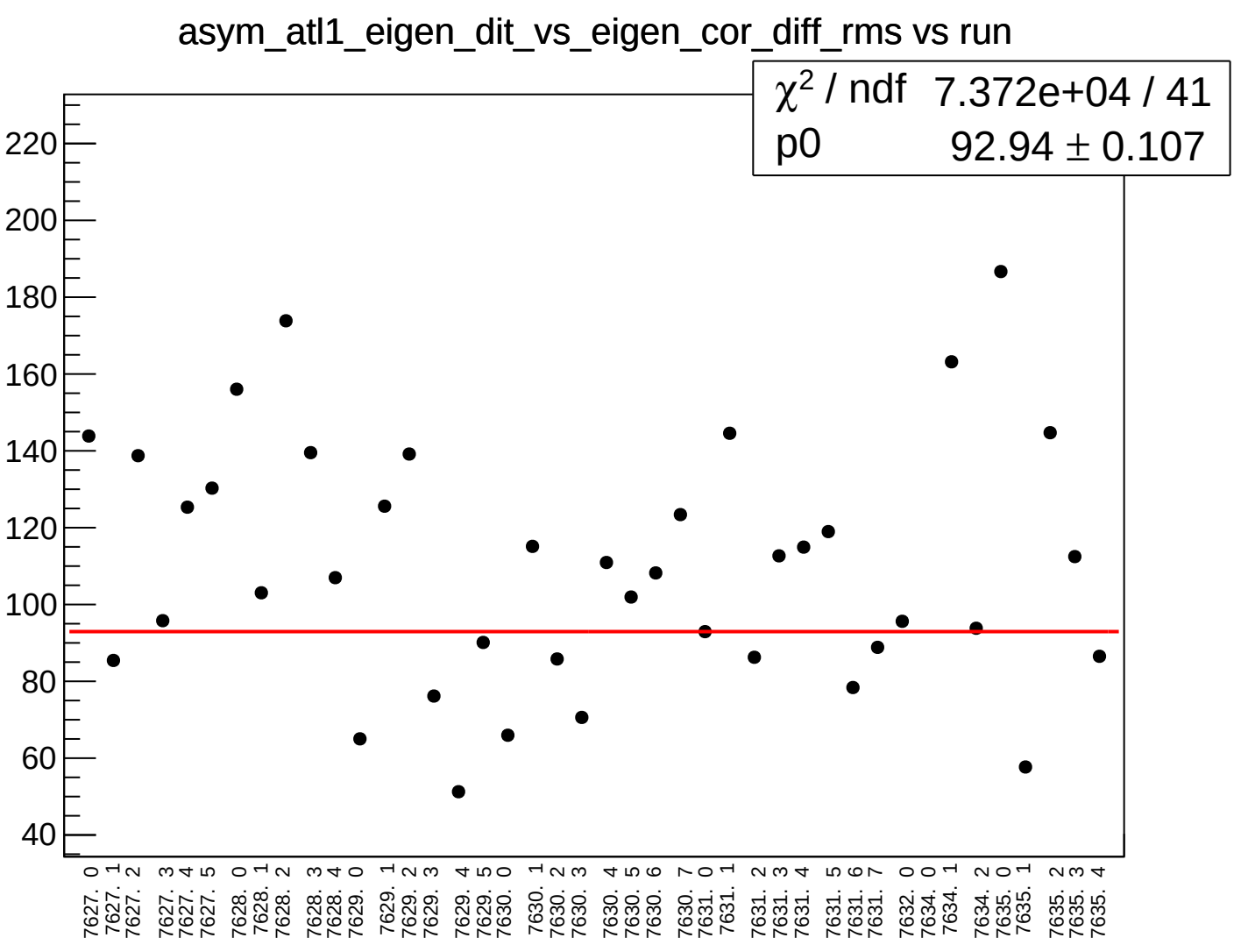
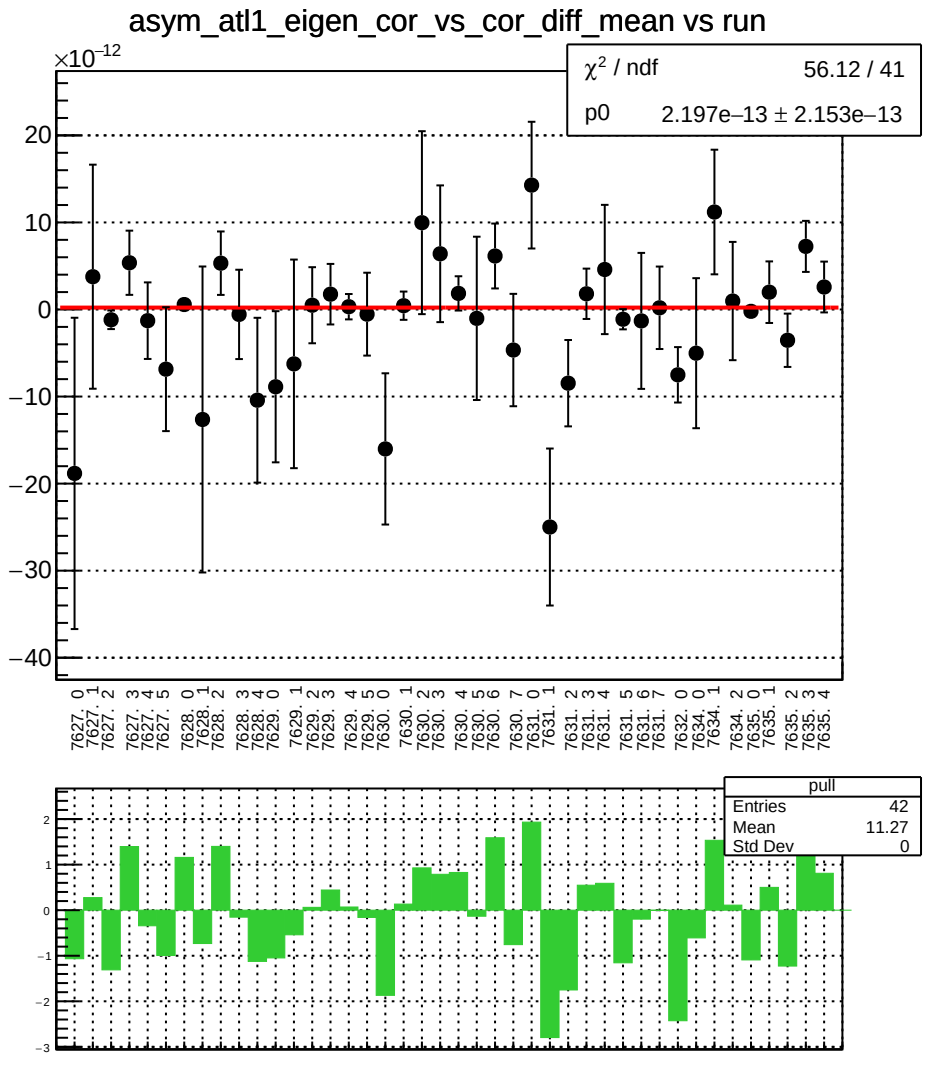
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

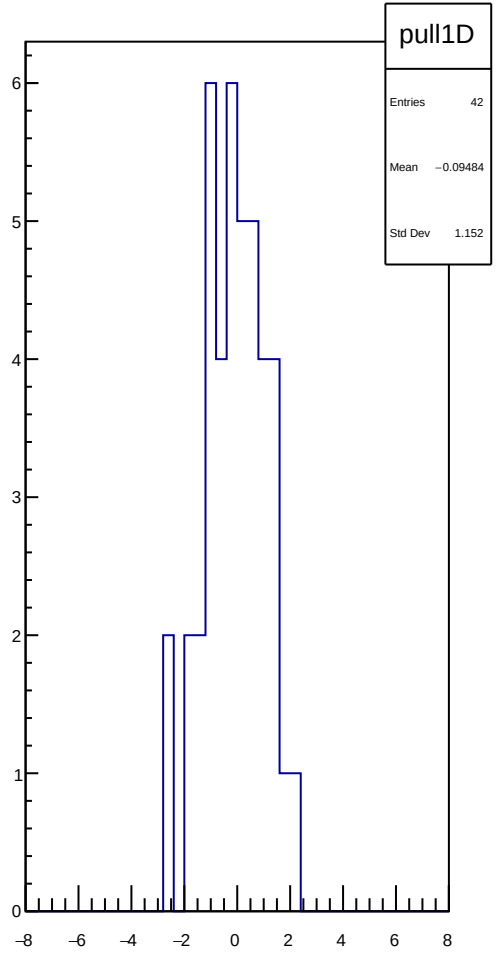

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.05 / 41
p0 −0.1282 ± 0.1514
pull
Entries 42
Mean −65.38
Std Dev 0
pull1D
Entries 42
Mean −0.01797
Std Dev 0.9885

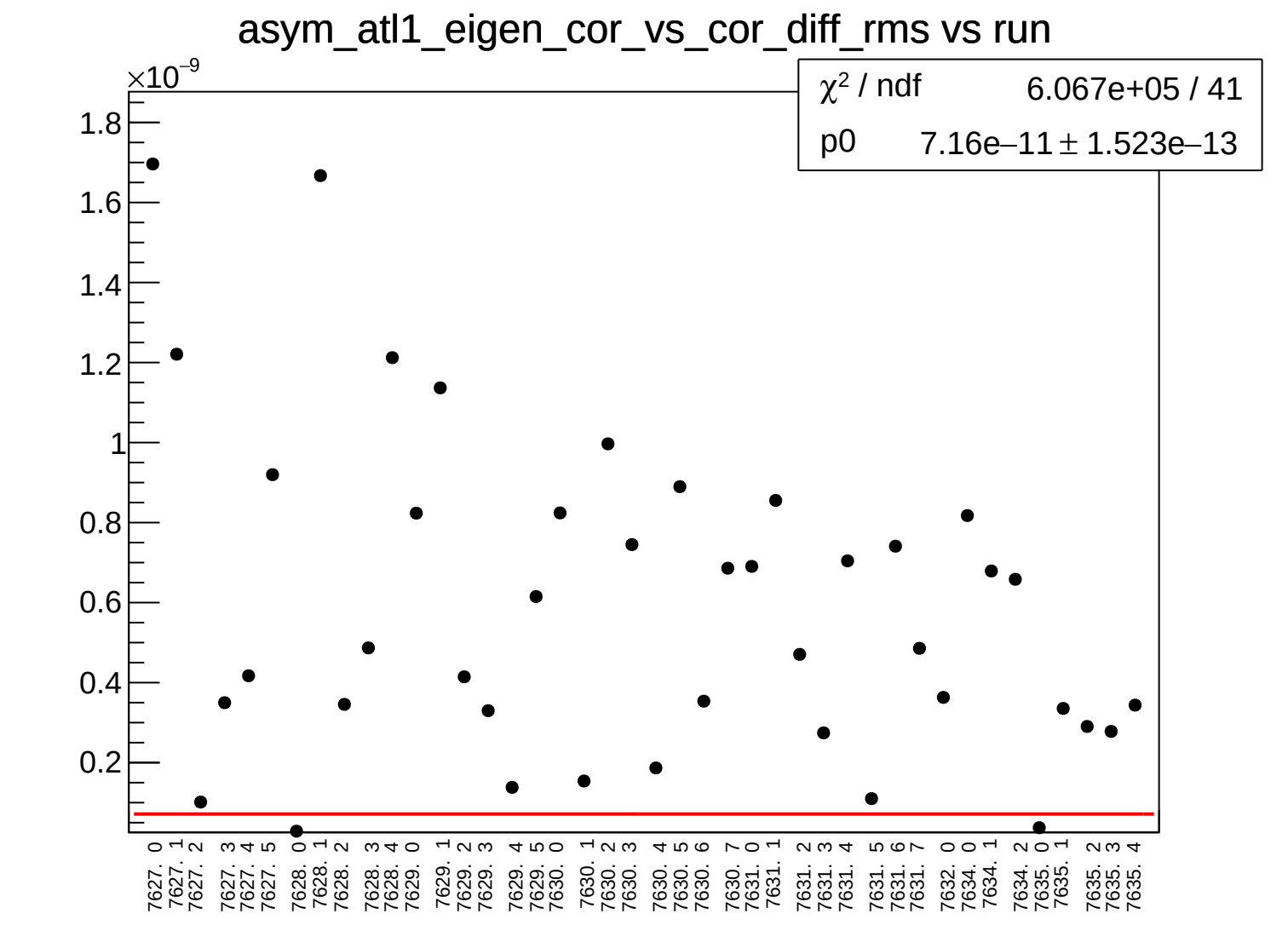

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.372e+04 / 41
p0 92.94 ± 0.107
220
200
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

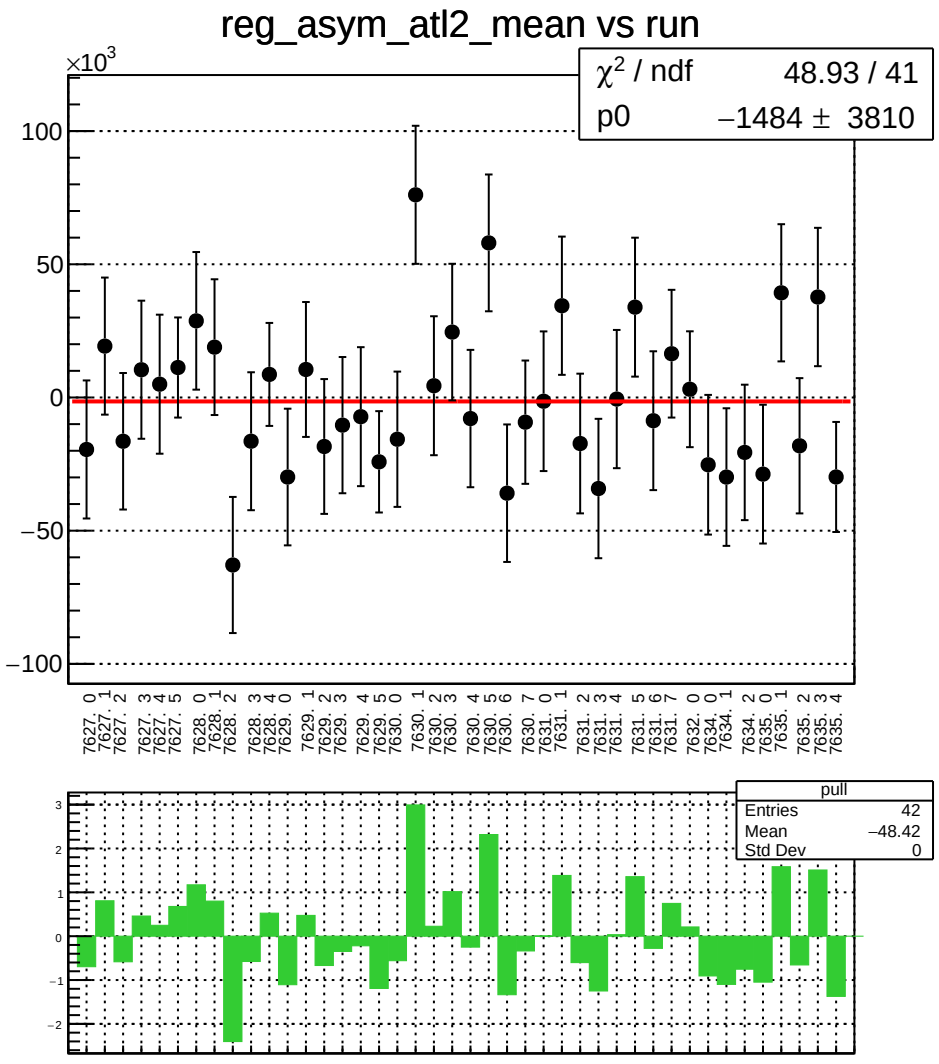

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.05 / 41
p0 −0.1282 ± 0.1514
pull
Entries 42
Mean −65.38
Std Dev 0
pull1D
Entries 42
Mean −0.01797
Std Dev 0.9885

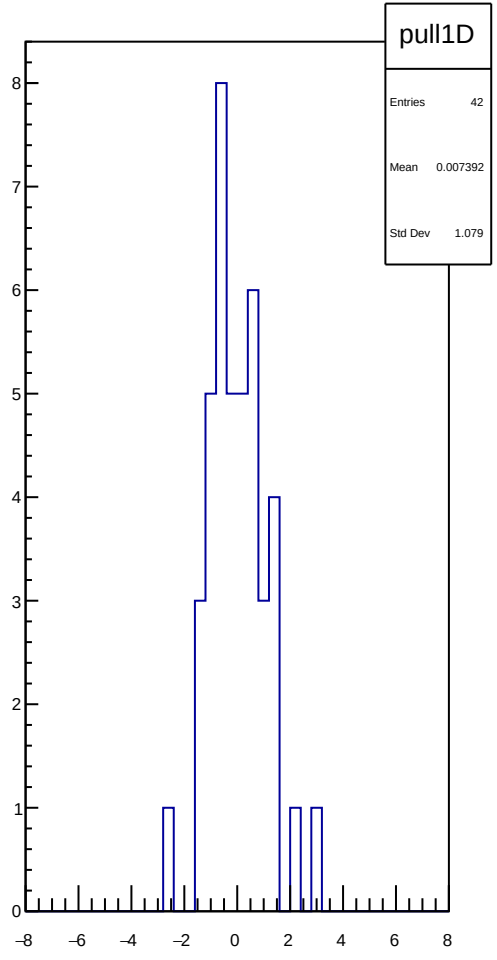

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.372e+04 / 41
p0 92.94 ± 0.107
220
200
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

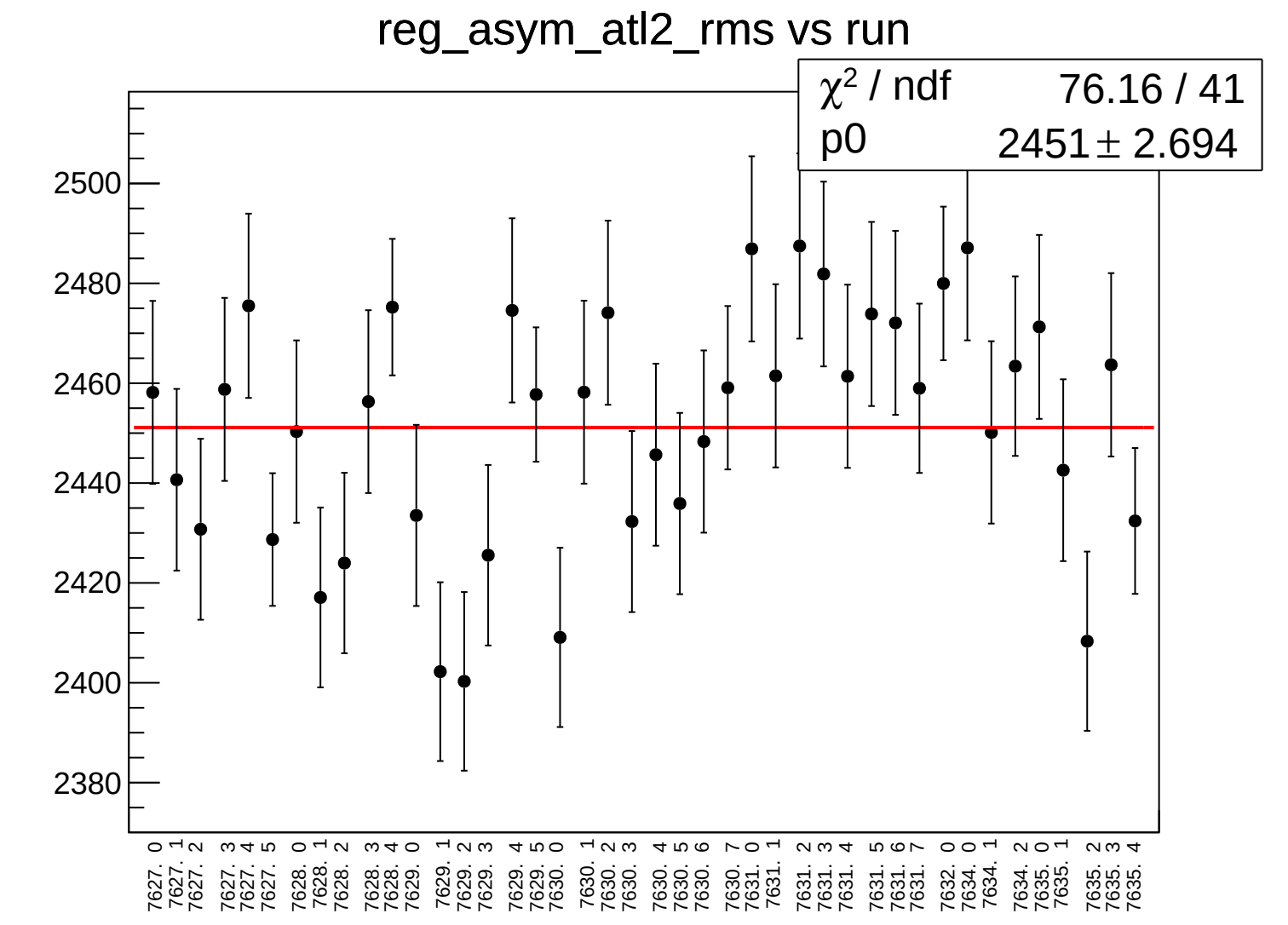

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.12 / 41
p0 2.197e−13 ± 2.153e−13
20
10
0
−10
−20
−30
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 11.27
Std Dev 0
2
1
0
−1
−2
−3

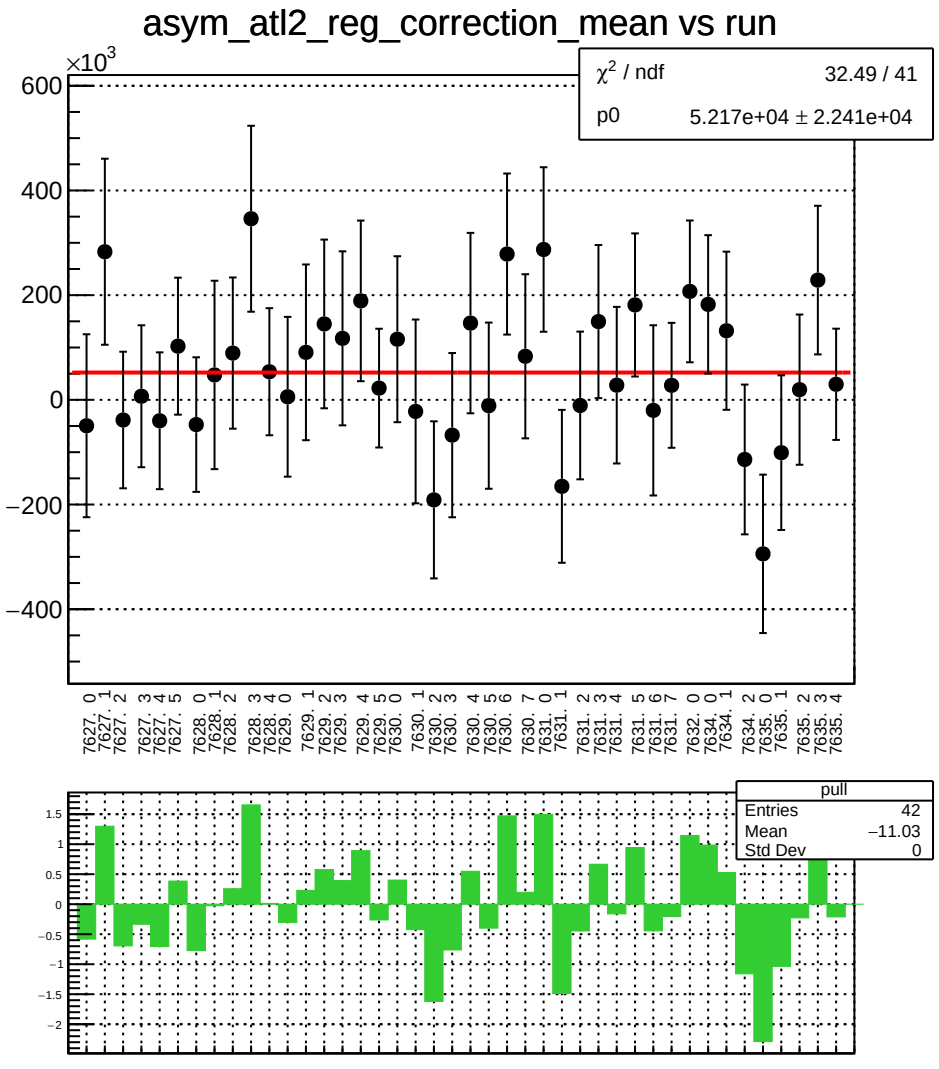

pull1D
Entries 42
Mean −0.09484
Std Dev 1.152
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

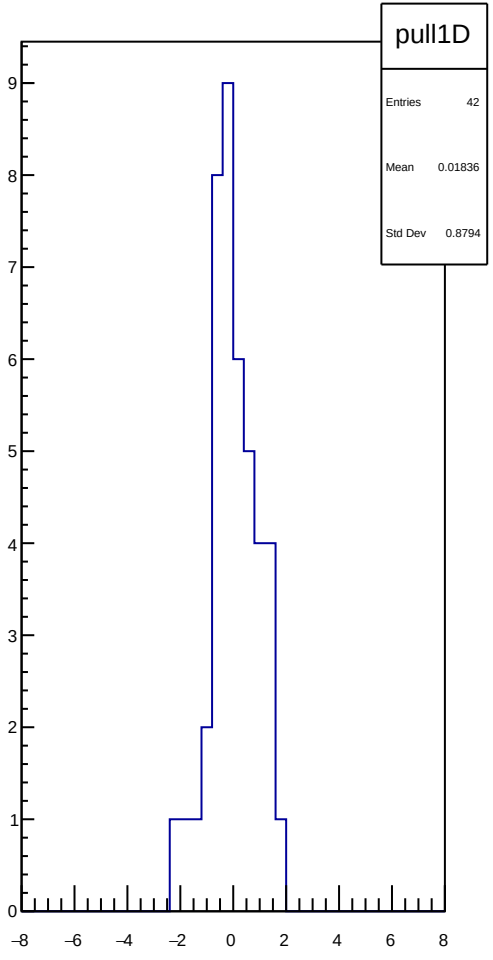

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.067e+05 / 41
p0 7.16e−11 ± 1.523e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

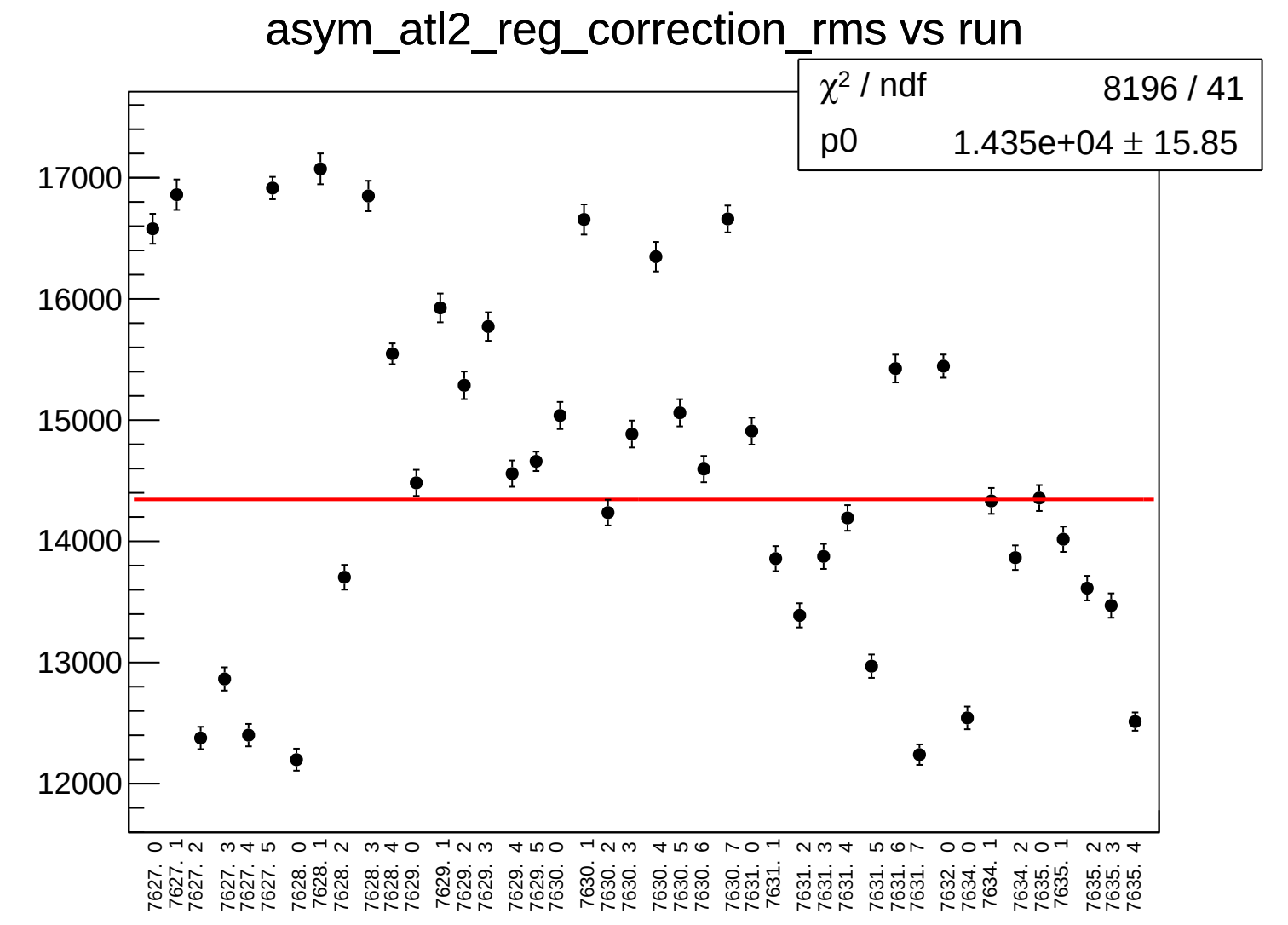

reg_asym_atl2_mean vs run
×10^3
χ^2 / ndf 48.93 / 41
p0 −1484 ± 3810
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −48.42
Std Dev 0
3
2
1
0
−1
−2

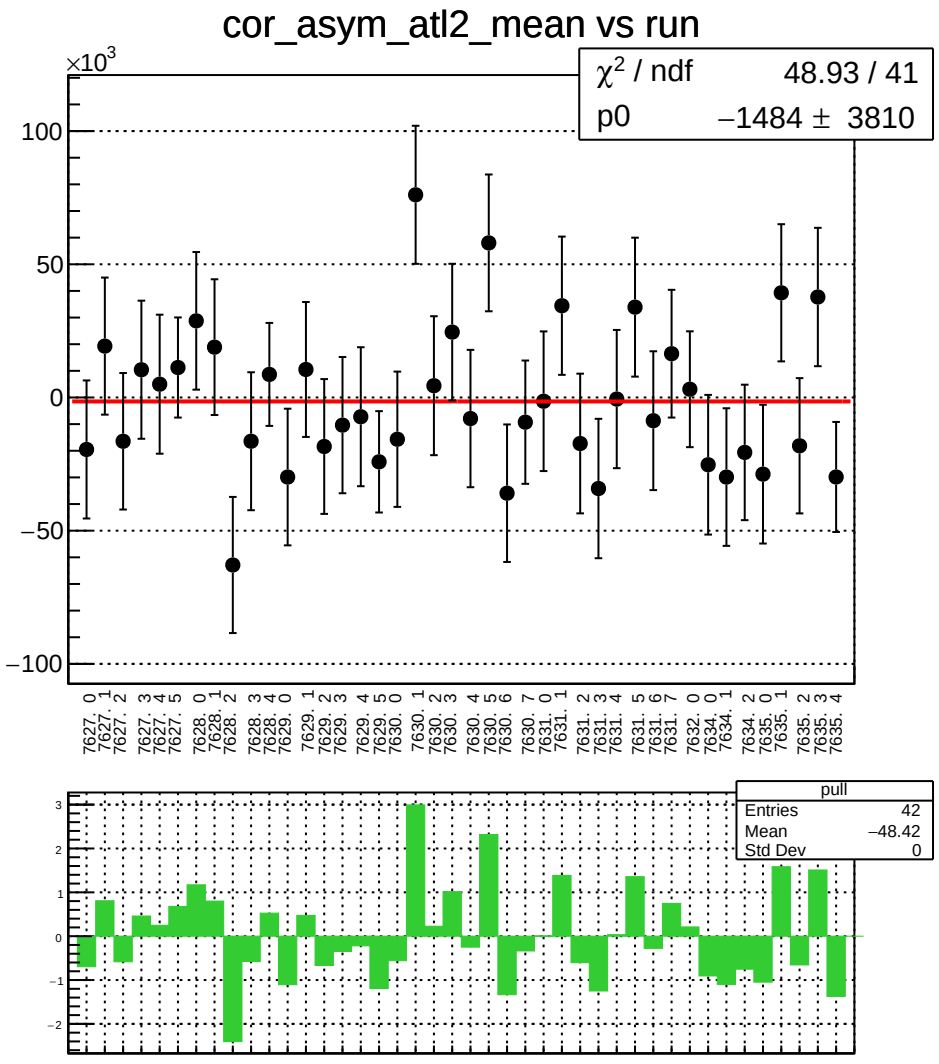

pull1D
Entries 42
Mean 0.007392
Std Dev 1.079
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

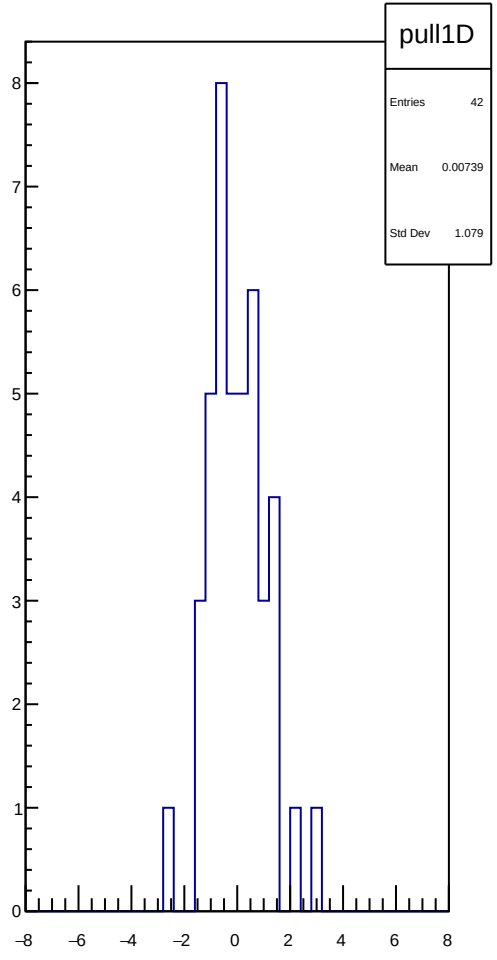

reg_asym_atl2_rms vs run
χ² / ndf 76.16 / 41
p0 2451 ± 2.694
2500
2480
2460
2440
2420
2400
2380
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

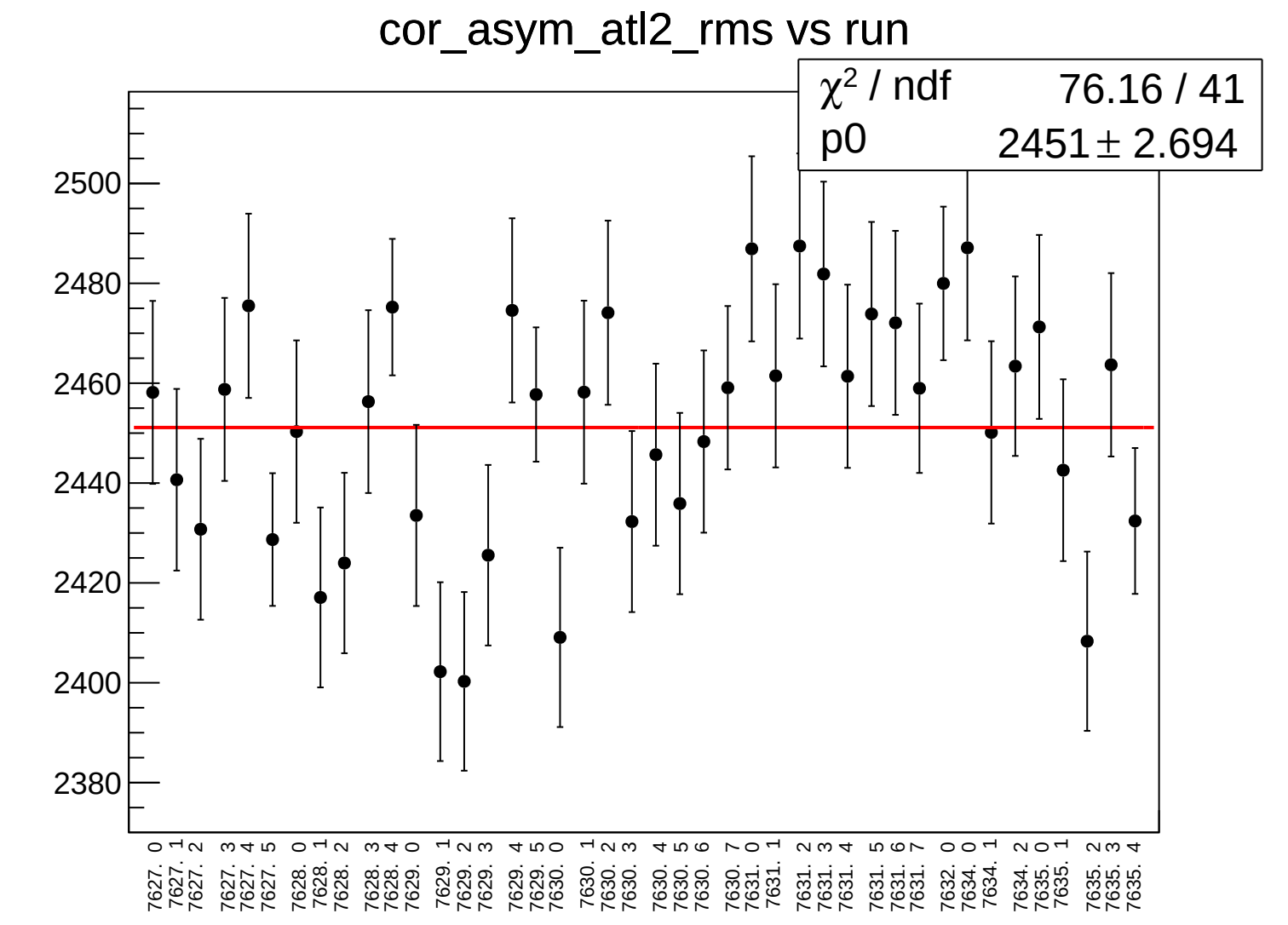

asym_atl2_reg_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 32.49 / 41
p0 5.217e+04 ± 2.241e+04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

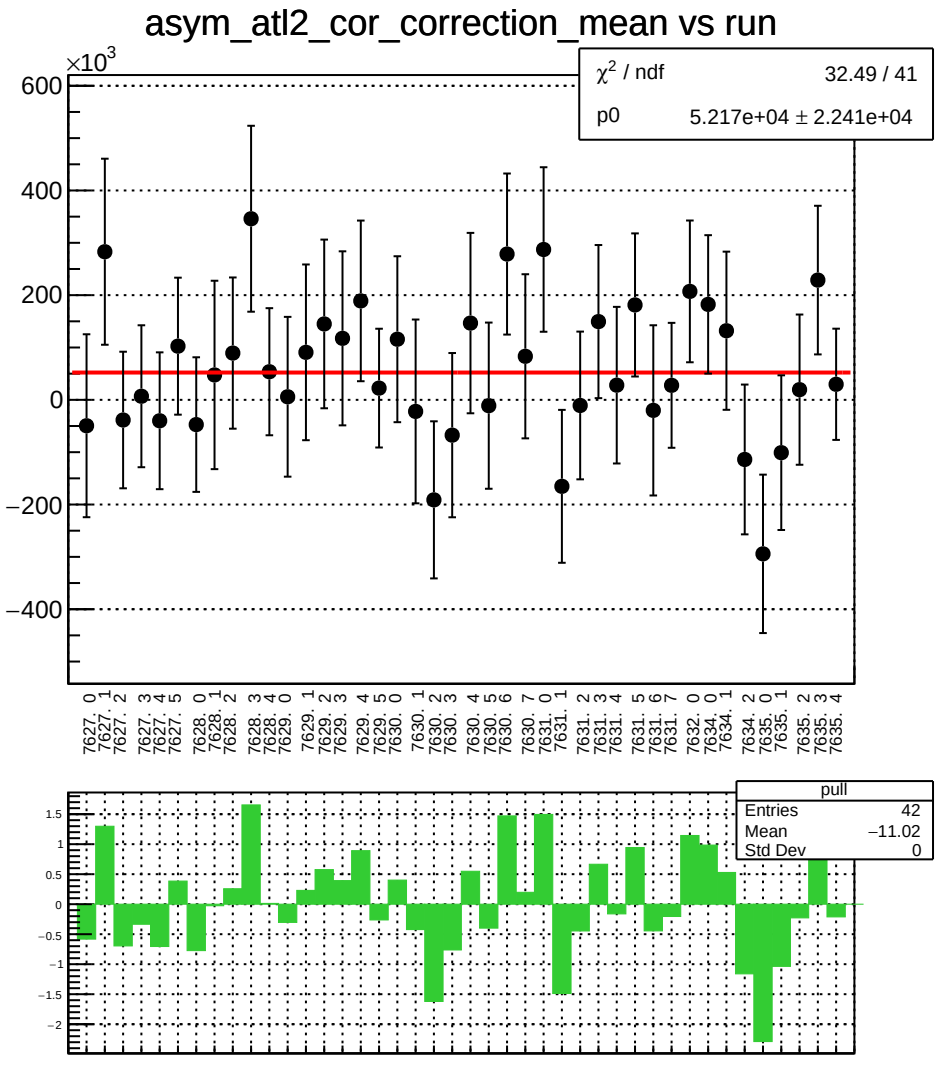

pull1D
Entries 42
Mean 0.01836
Std Dev 0.8794
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

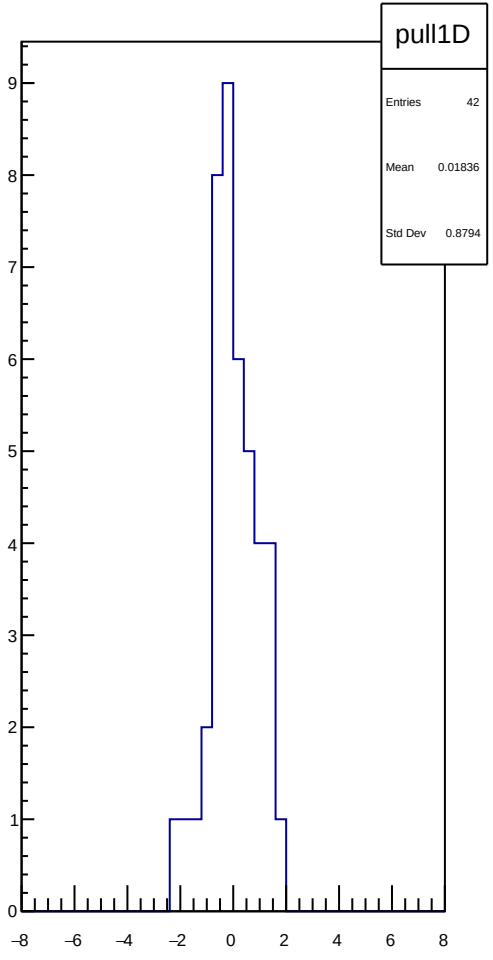

asym_atl2_reg_correction_rms vs run
χ² / ndf 8196 / 41
p0 1.435e+04 ± 15.85
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

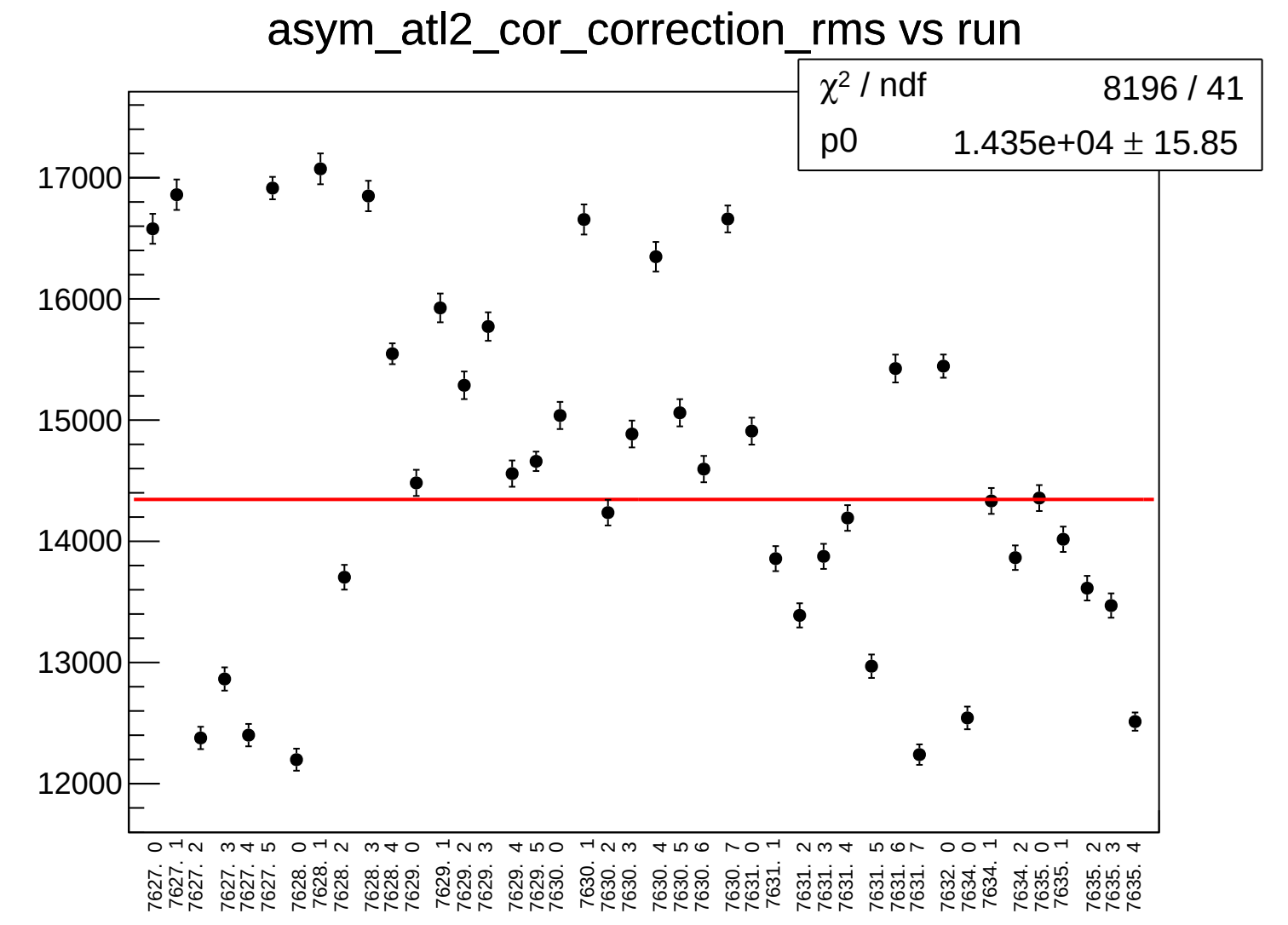

cor_asym_atl2_mean vs run
×10^3
χ² / ndf 48.93 / 41
p0 −1484 ± 3810
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −48.42
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.00739
Std Dev 1.079
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl2_rms vs run
χ² / ndf 76.16 / 41
p0 2451 ± 2.694
2500
2480
2460
2440
2420
2400
2380
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 32.49 / 41
p0 5.217e+04 ± 2.241e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.01836
Std Dev 0.8794
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_cor_correction_rms vs run
χ² / ndf 8196 / 41
p0 1.435e+04 ± 15.85
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
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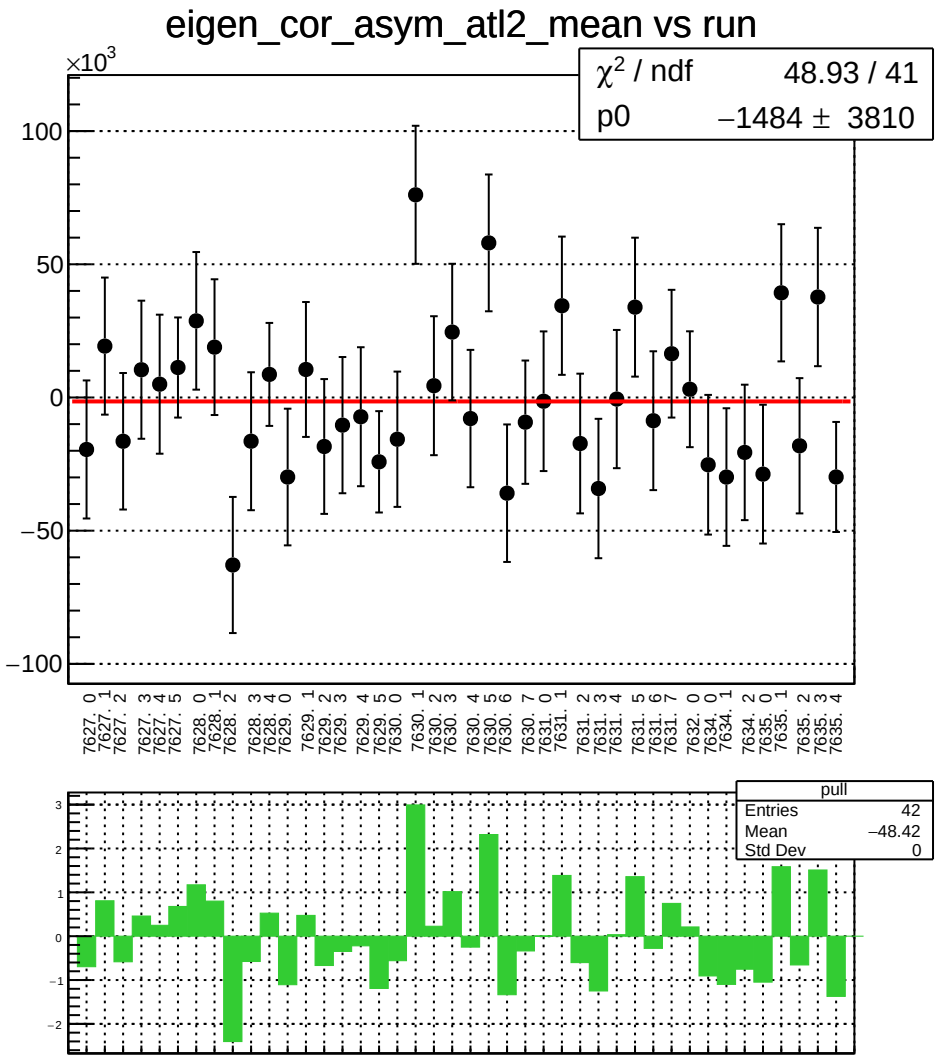
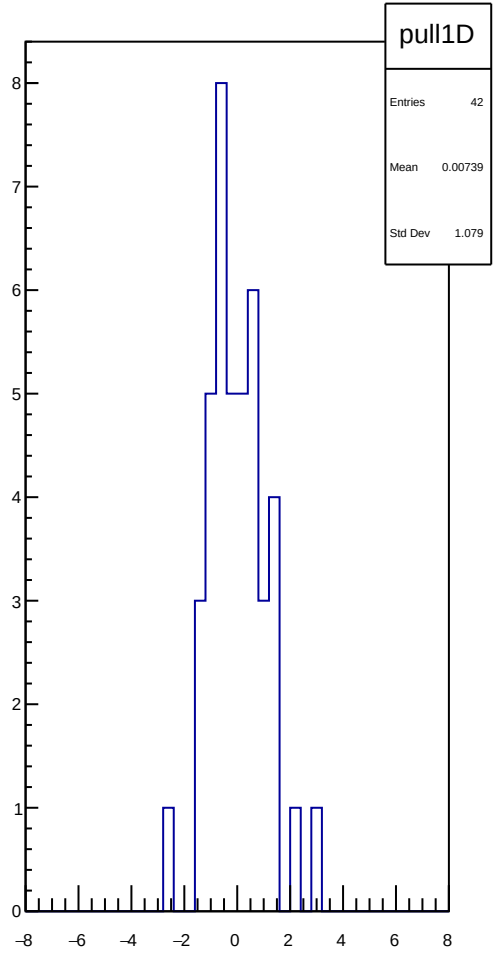
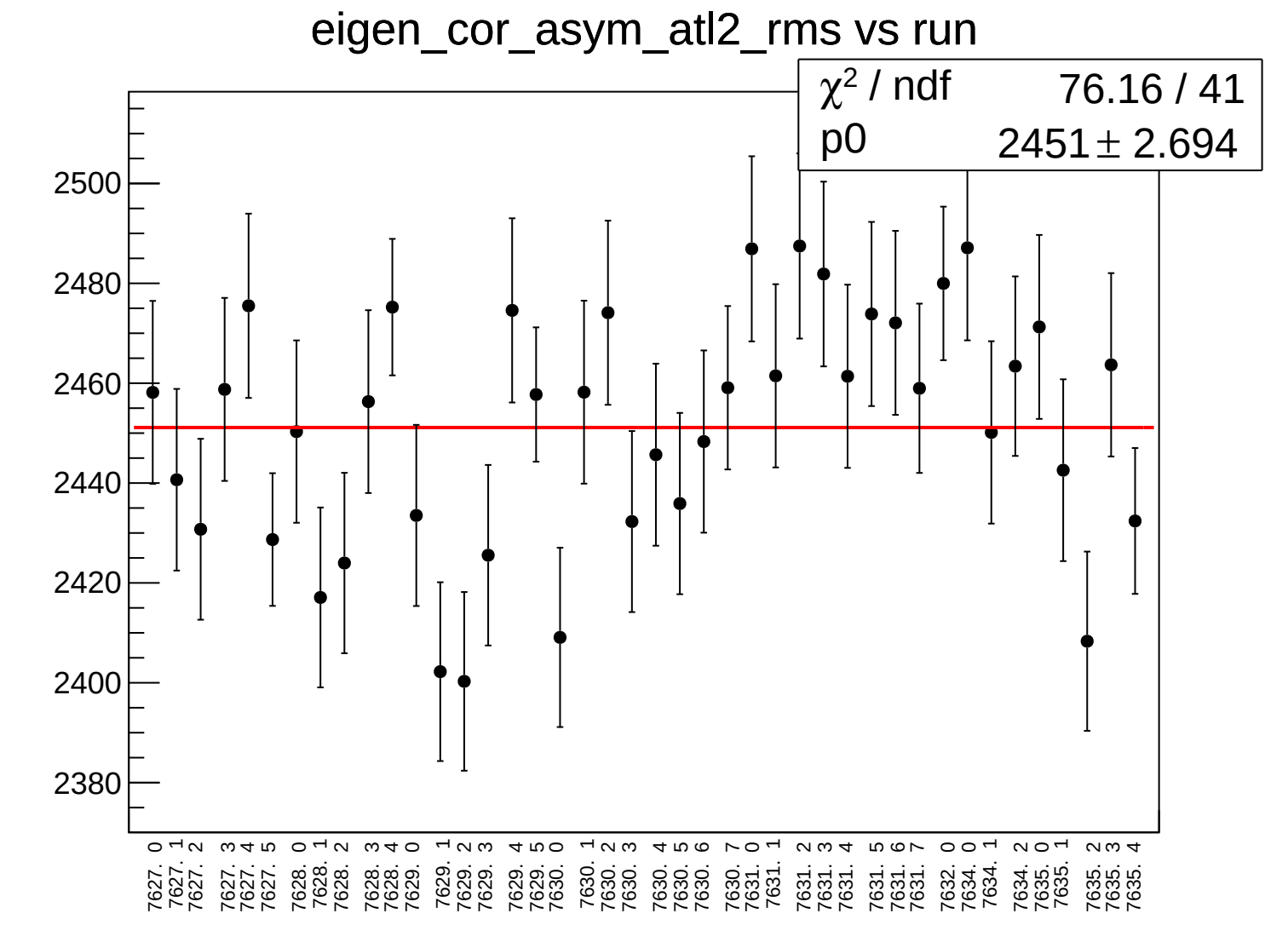
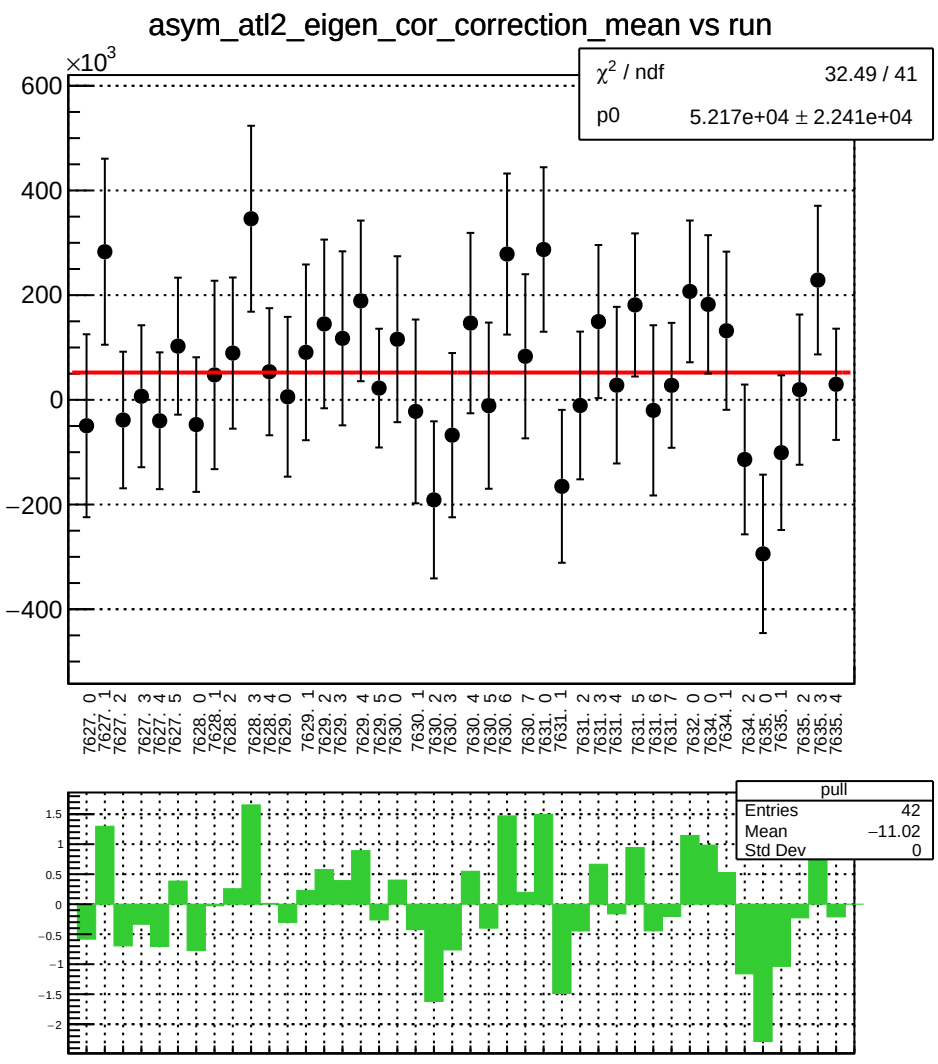
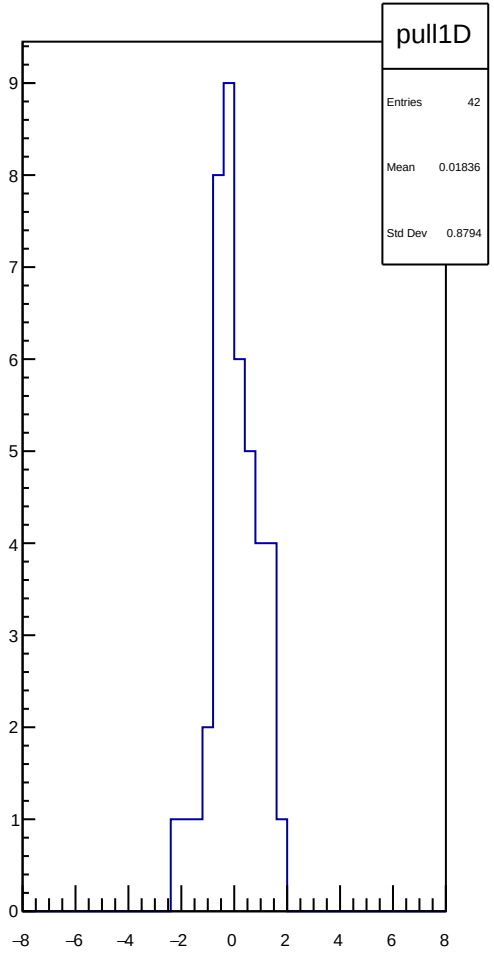
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

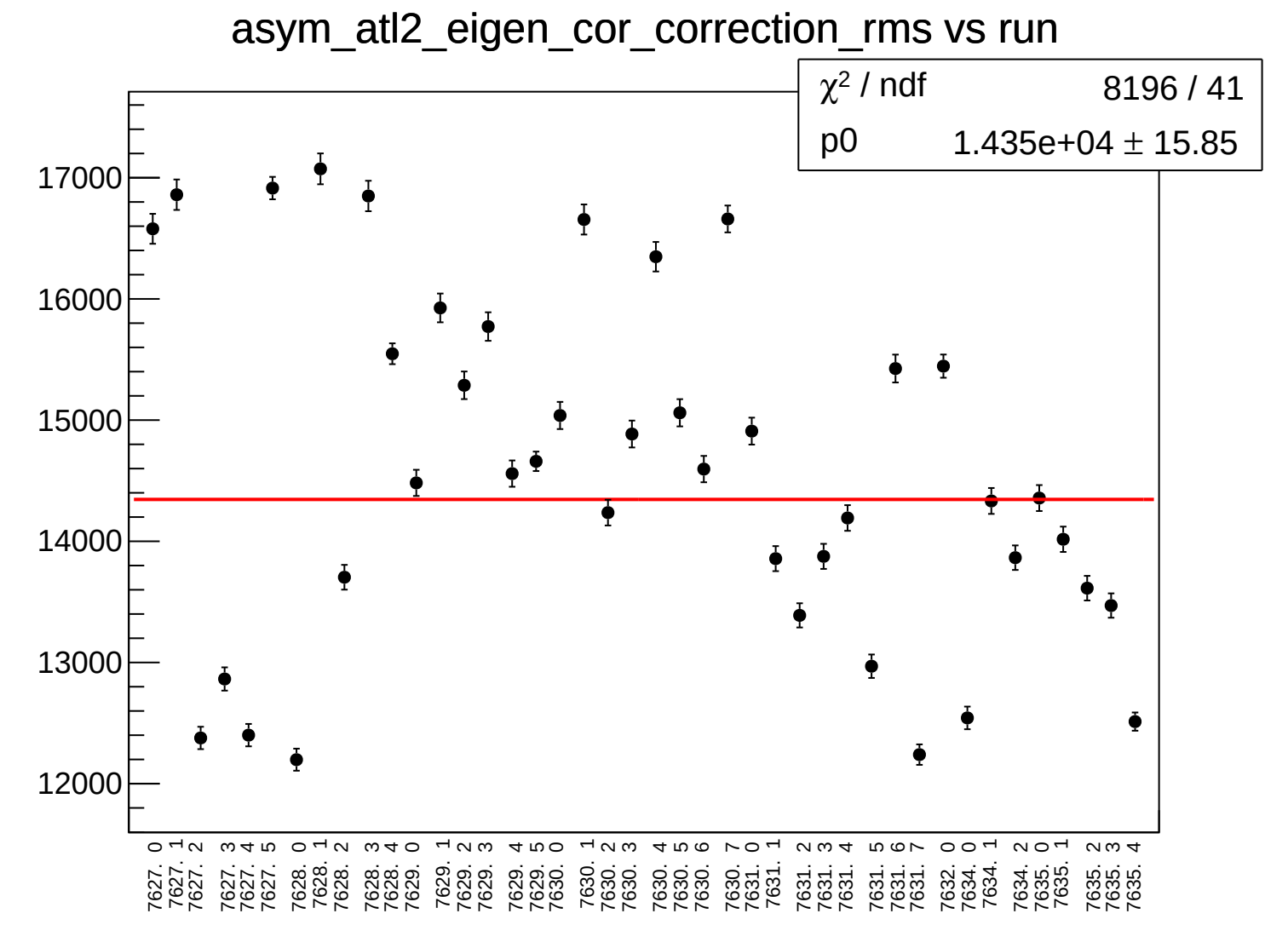

eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 48.93 / 41
p0 −1484 ± 3810
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −48.42
Std Dev 0
3
2
1
0
−1
−2

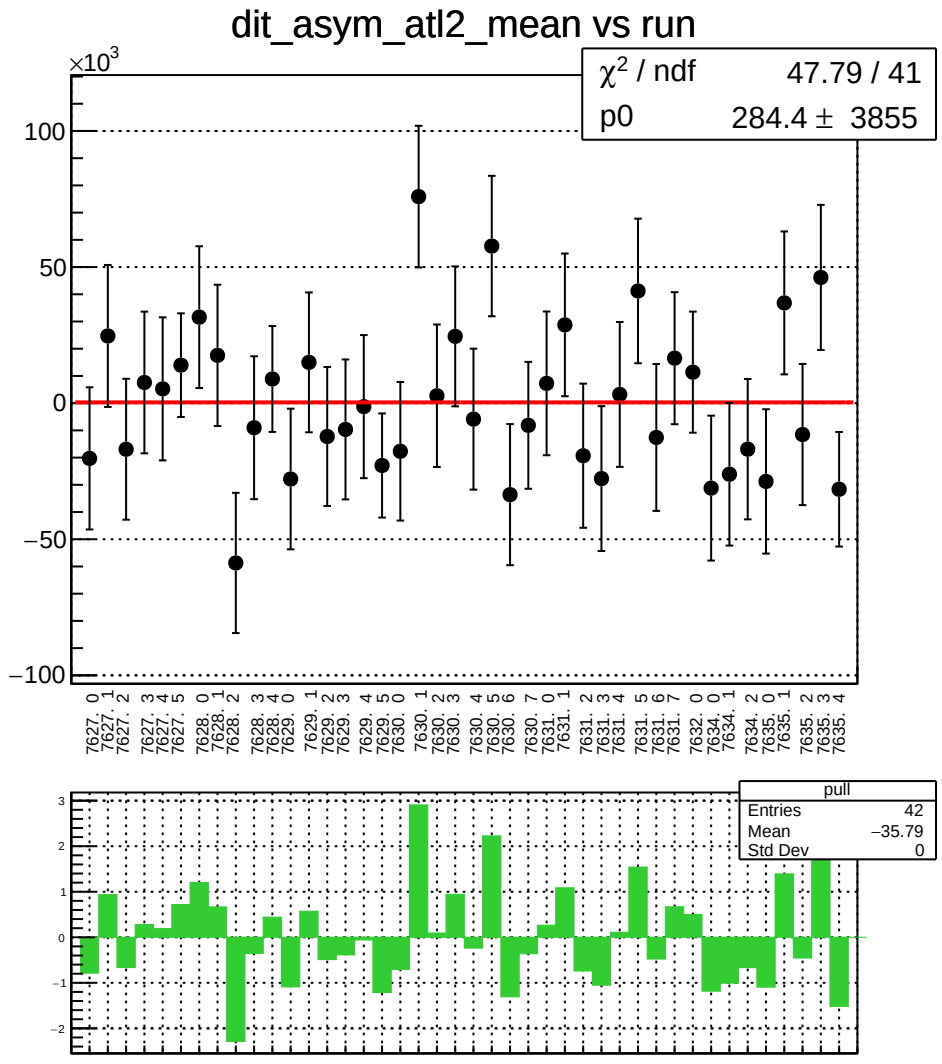

pull1D
Entries 42
Mean 0.00739
Std Dev 1.079
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

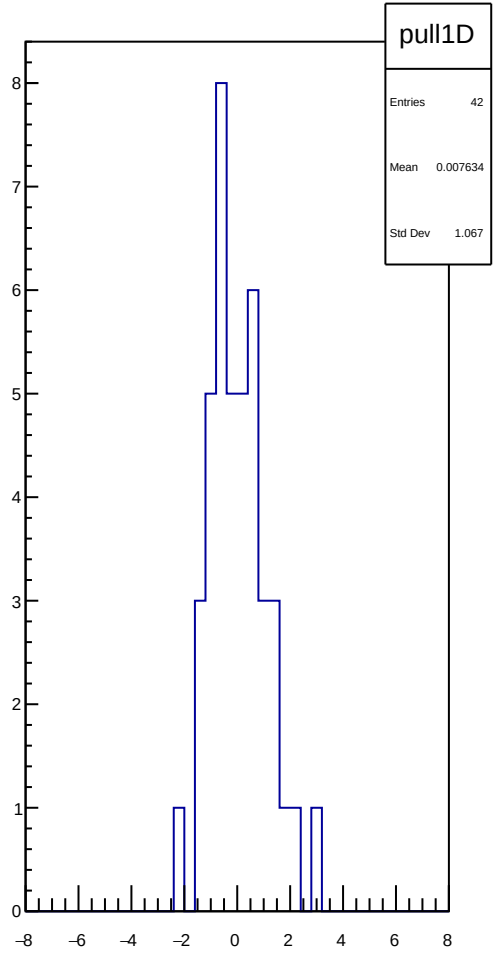

eigen_cor_asym_atl2_rms vs run
χ² / ndf 76.16 / 41
p0 2451 ± 2.694
2500
2480
2460
2440
2420
2400
2380
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

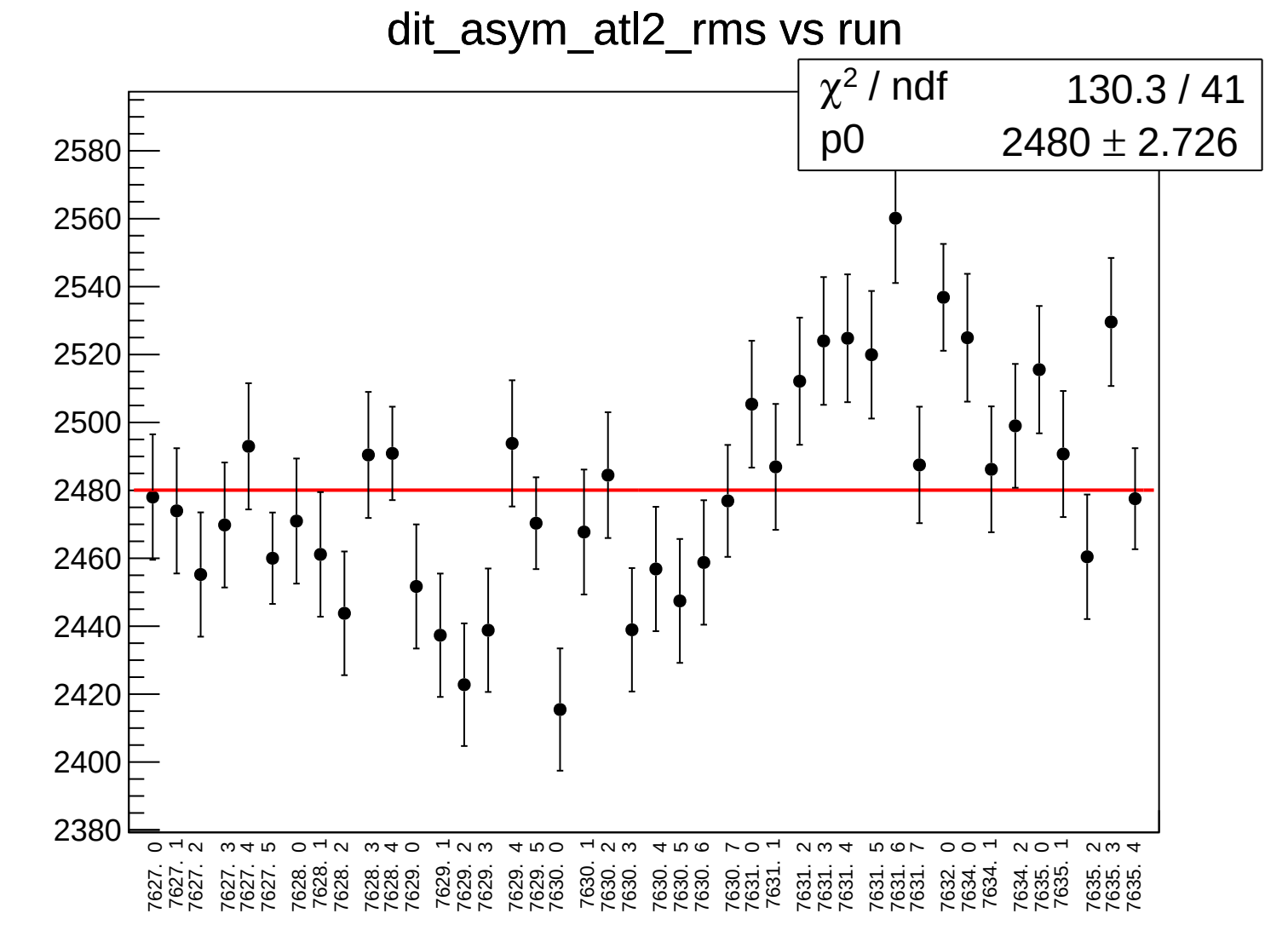

asym_atl2_eigen_cor_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 32.49 / 41
p0 5.217e+04 ± 2.241e+04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

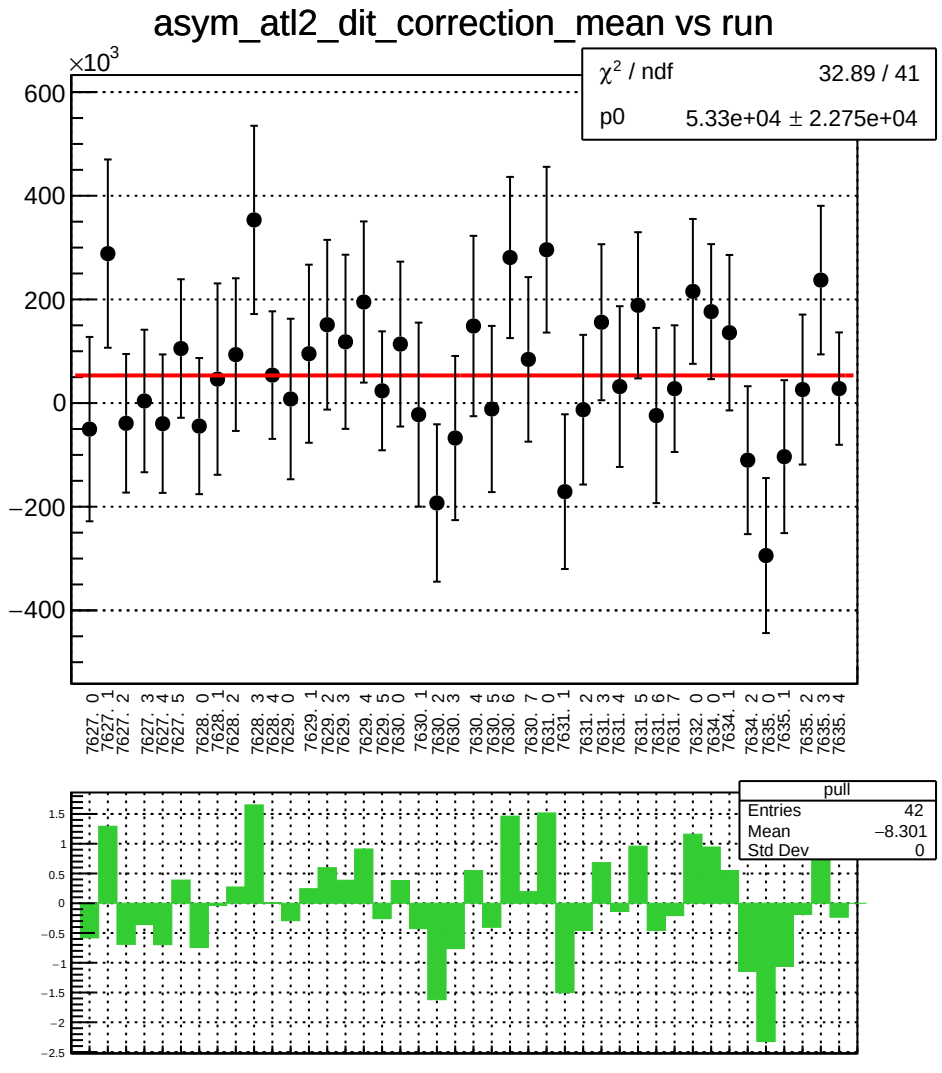

pull1D
Entries 42
Mean 0.01836
Std Dev 0.8794
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

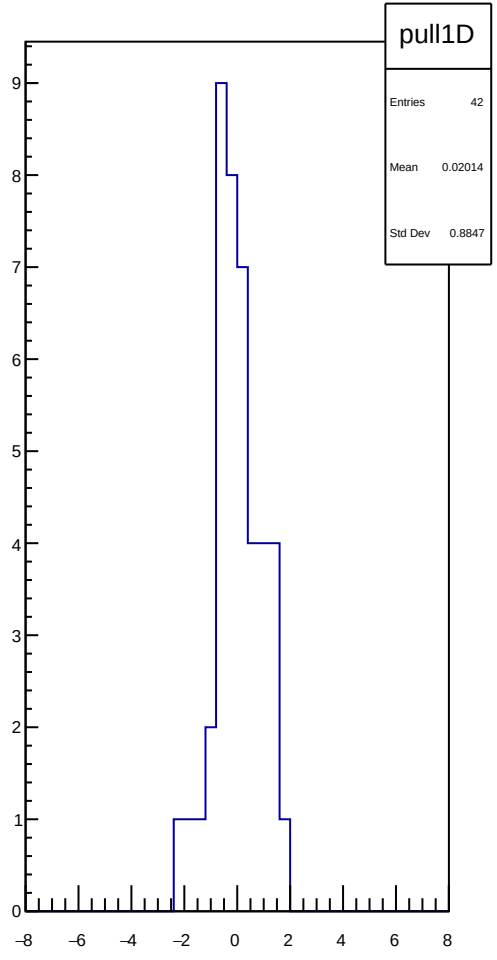

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 8196 / 41
p0 1.435e+04 ± 15.85
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

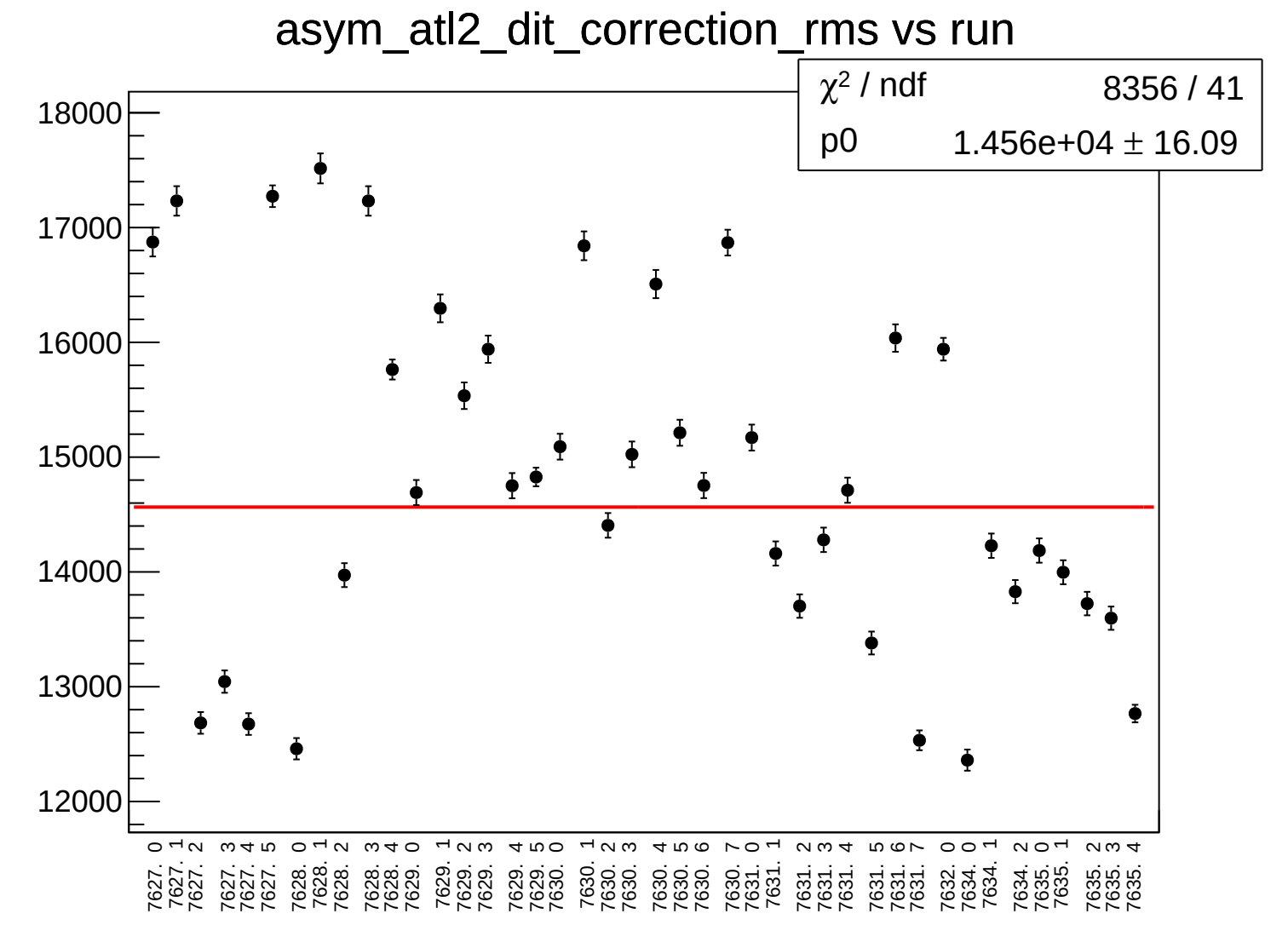

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 47.79 / 41
p0 284.4 ± 3855
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −35.79
Std Dev 0
3
2
1
0
−1
−2

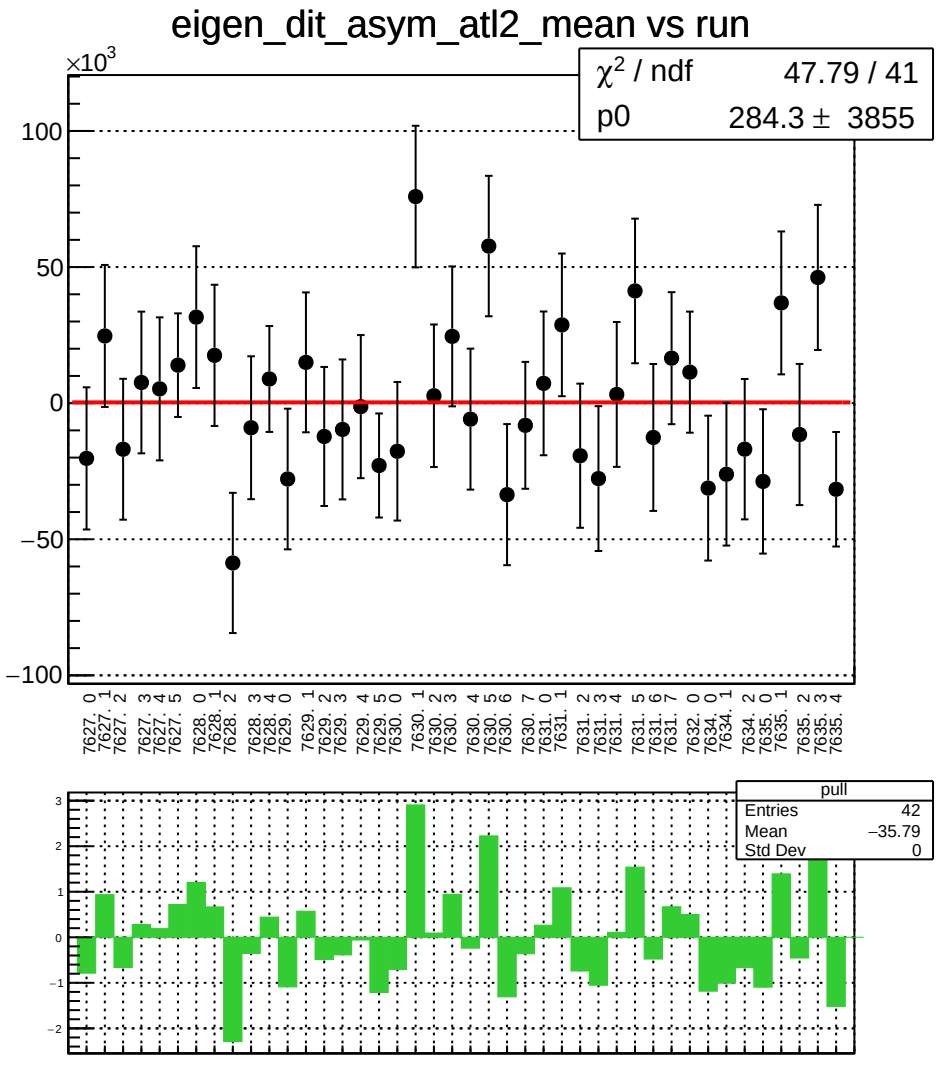

pull1D
Entries 42
Mean 0.007634
Std Dev 1.067
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

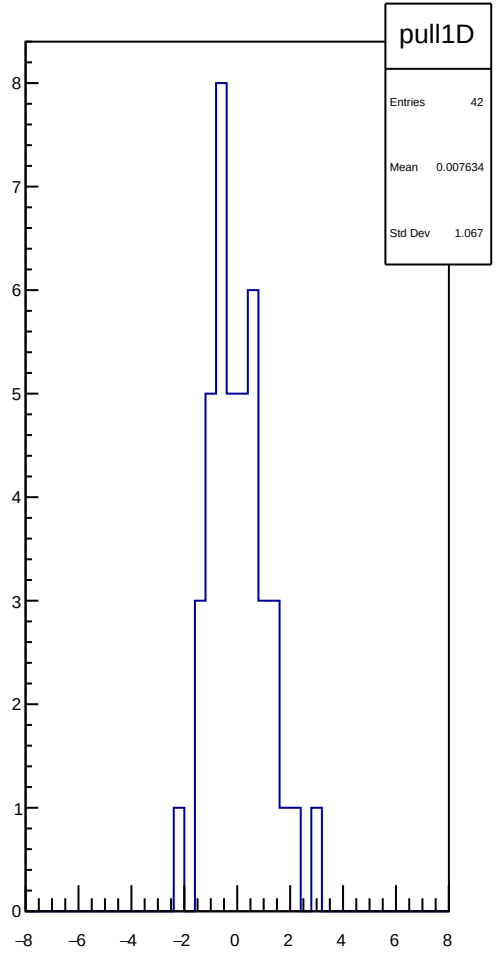

dit_asym_atl2_rms vs run
χ² / ndf 130.3 / 41
p0 2480 ± 2.726
2580
2560
2540
2520
2500
2480
2460
2440
2420
2400
2380
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

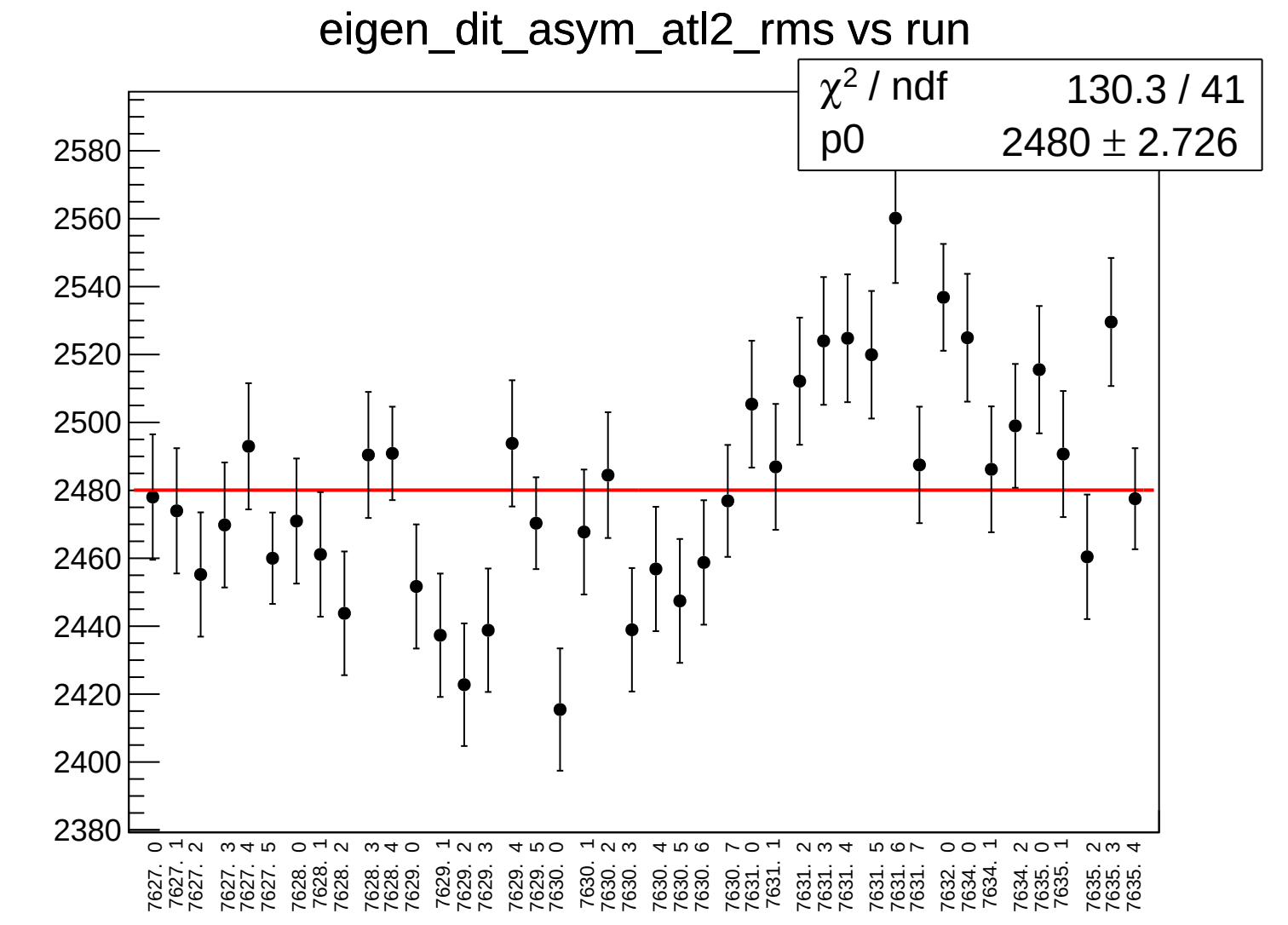

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 32.89 / 41
p0 5.33e+04 ± 2.275e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −8.301
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

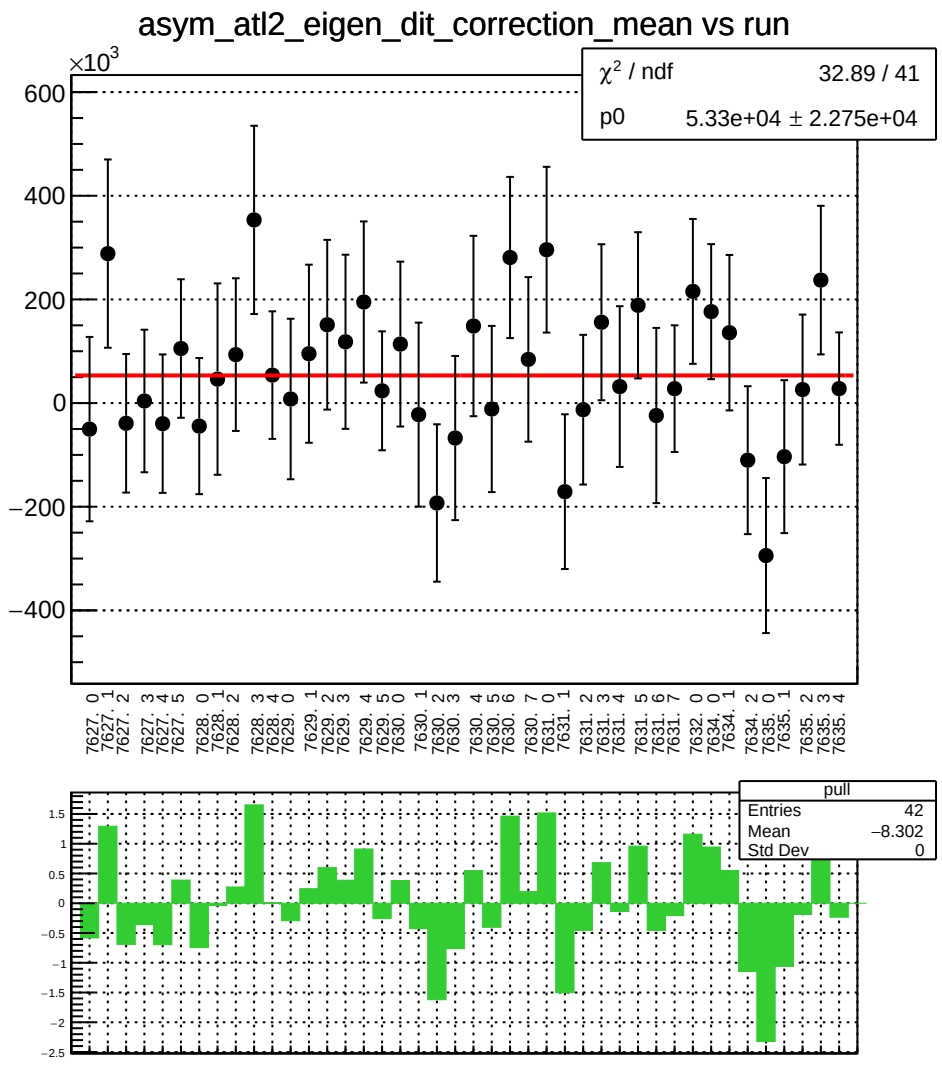

pull1D
Entries 42
Mean 0.02014
Std Dev 0.8847
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

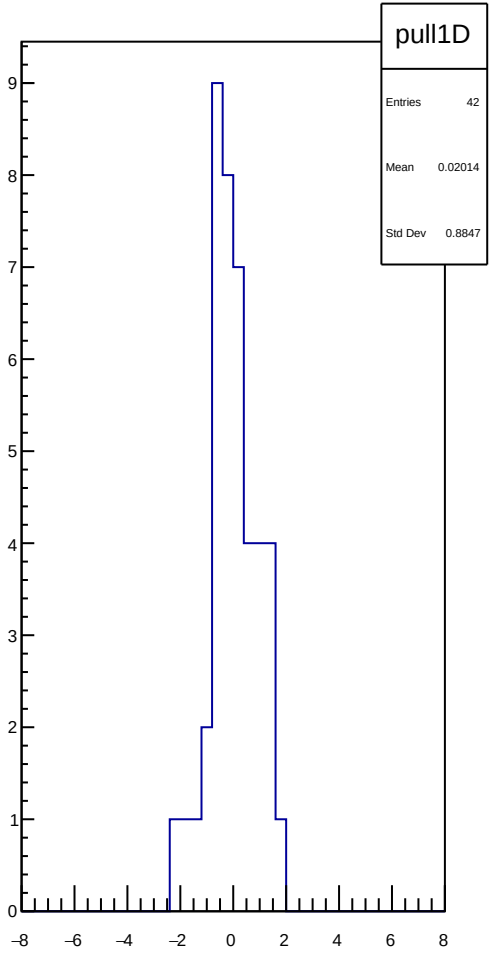

asym_atl2_dit_correction_rms vs run
χ² / ndf 8356 / 41
p0 1.456e+04 ± 16.09
18000
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

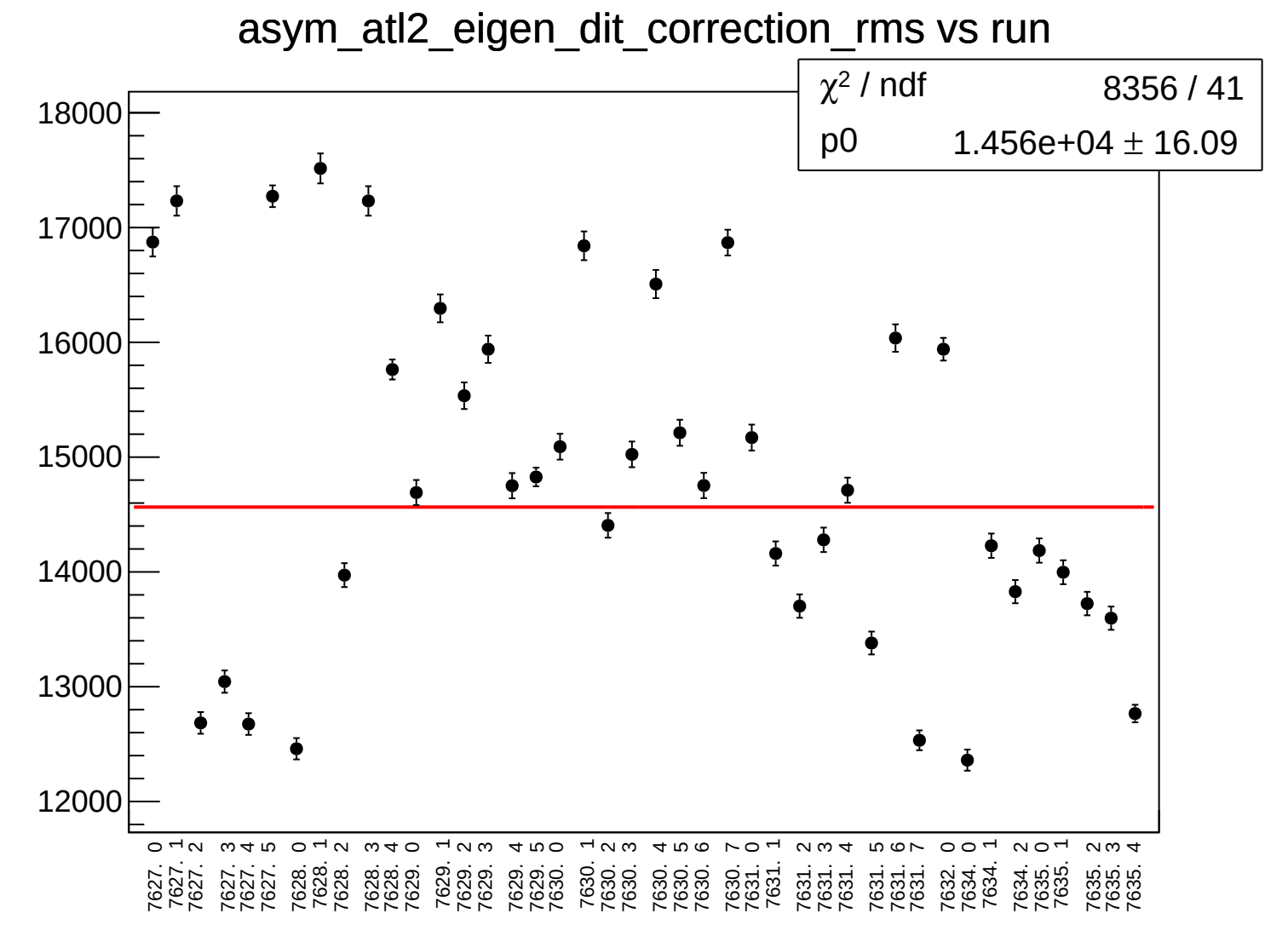

eigen_dit_asym_atl2_mean vs run
×10^3
χ² / ndf 47.79 / 41
p0 284.3 ± 3855
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −35.79
Std Dev 0
3
2
1
0
−1
−2

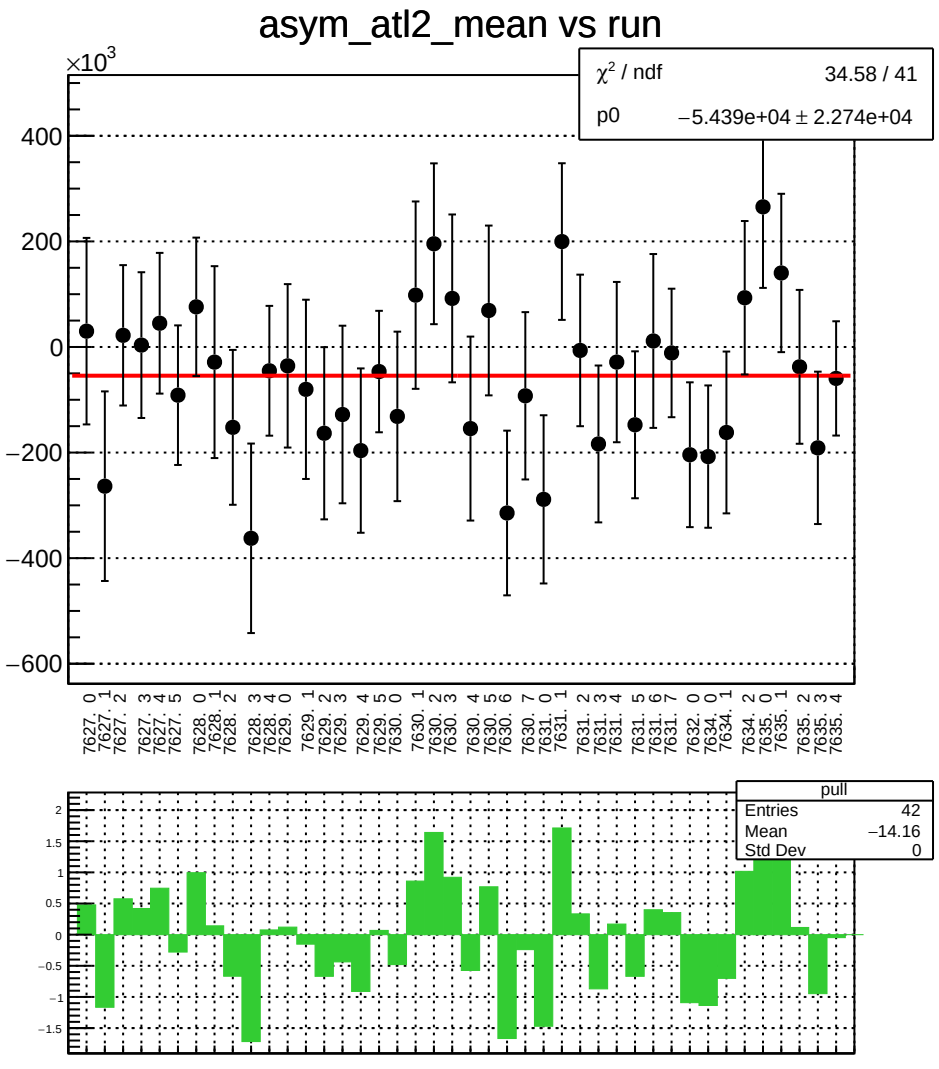

pull1D
Entries 42
Mean 0.007634
Std Dev 1.067
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

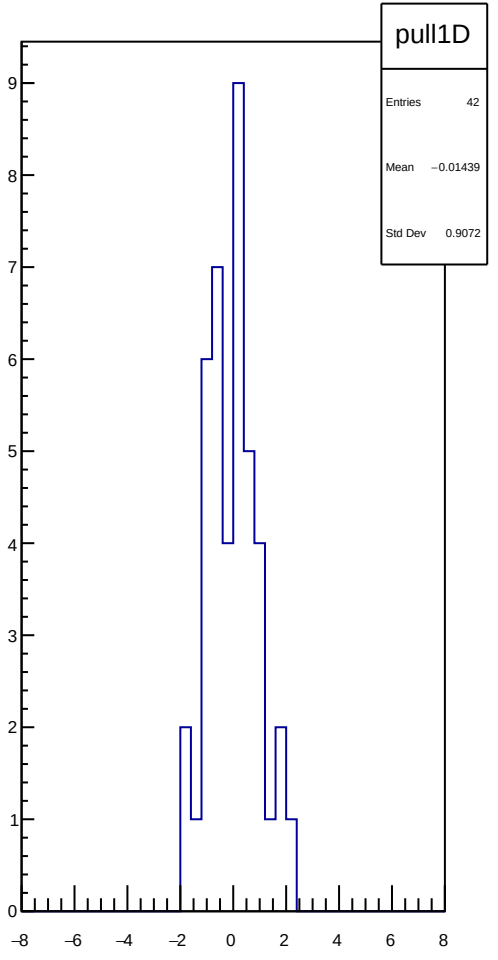

eigen_dit_asym_atl2_rms vs run
χ^2 / ndf 130.3 / 41
p0 2480 ± 2.726
2580
2560
2540
2520
2500
2480
2460
2440
2420
2400
2380
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

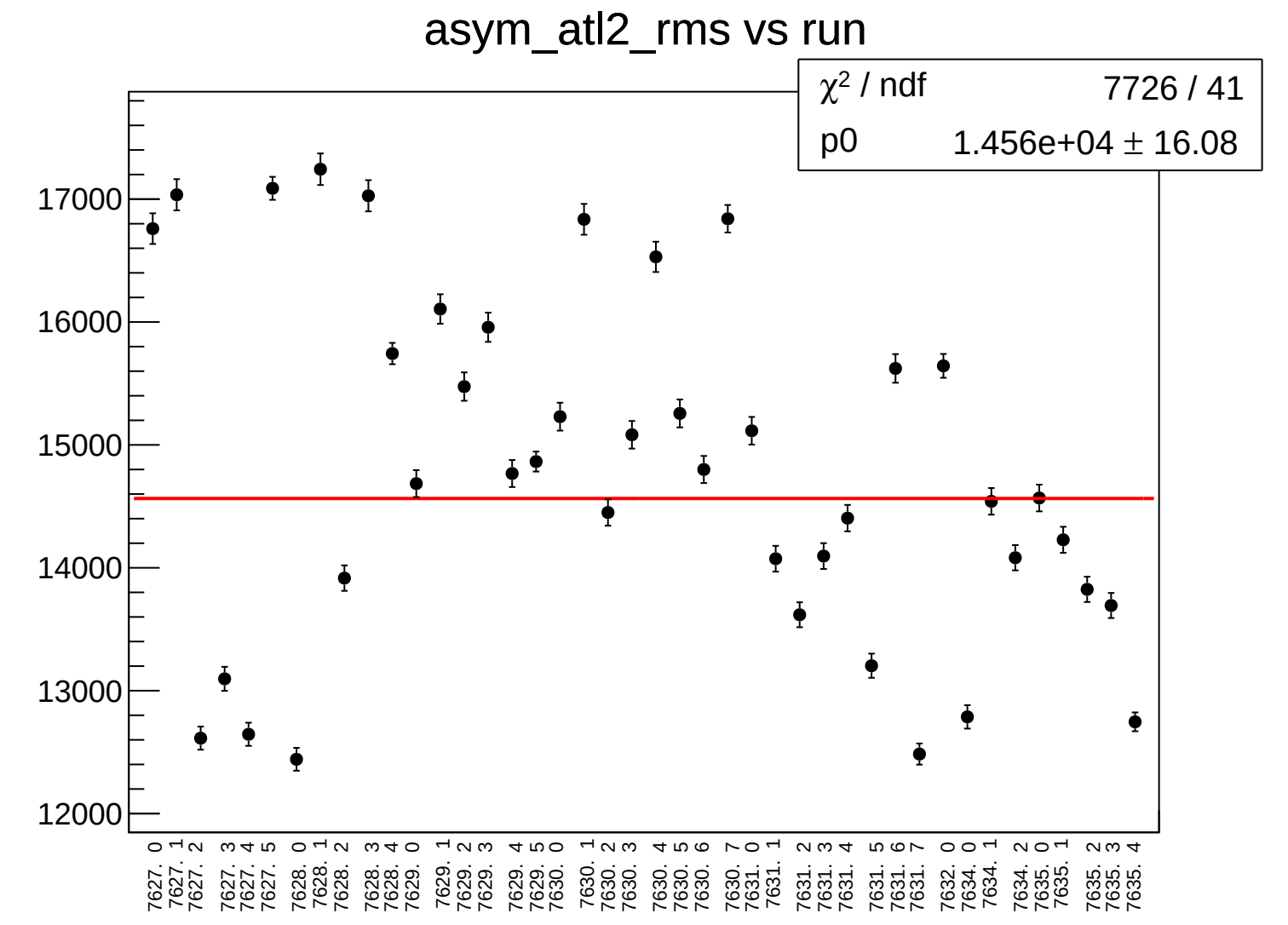

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.89 / 41
p0 5.33e+04 ± 2.275e+04
pull
Entries 42
Mean −8.302
Std Dev 0


pull1D
Entries 42
Mean 0.02014
Std Dev 0.8847


asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 8356 / 41
p0 1.456e+04 ± 16.09
18000
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl2_mean vs run
×10^3
χ² / ndf 34.58 / 41
p0 −5.439e+04 ± 2.274e+04
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −14.16
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01439
Std Dev 0.9072
9
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 7726 / 41
p0 1.456e+04 ± 16.08
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
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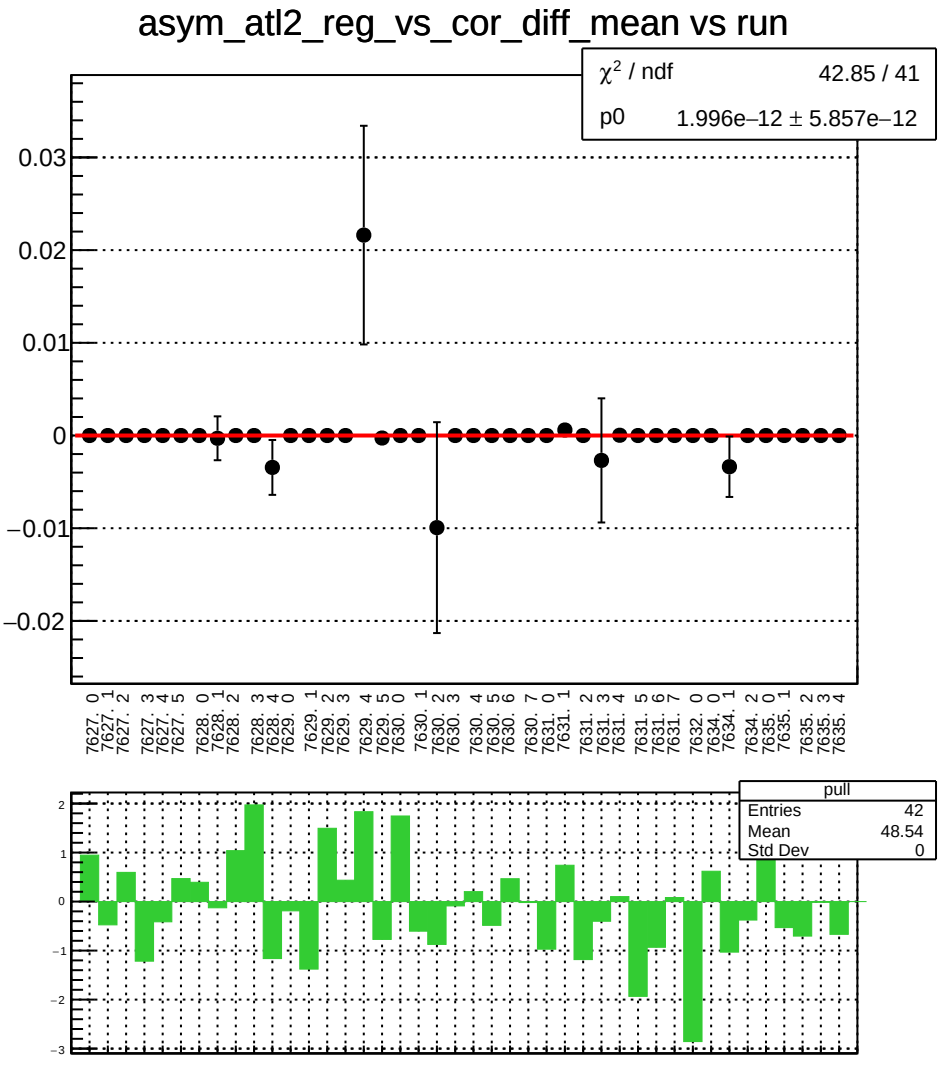
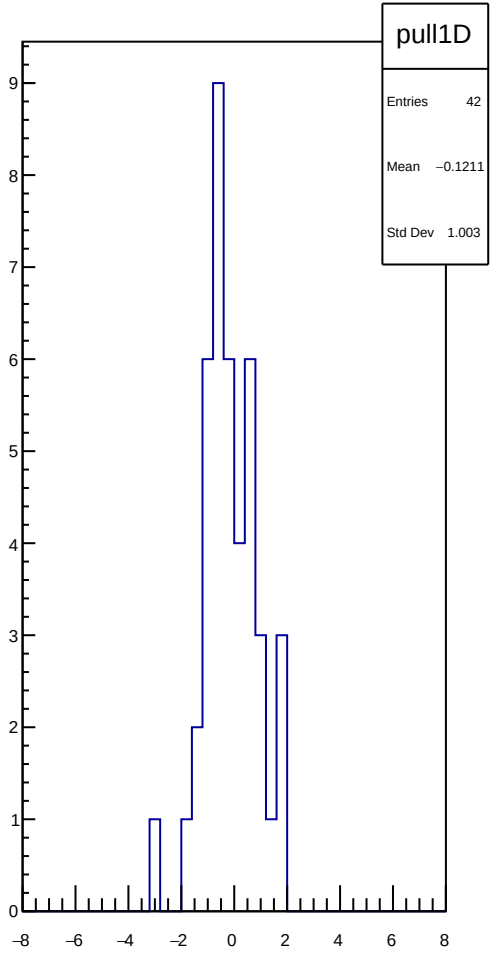
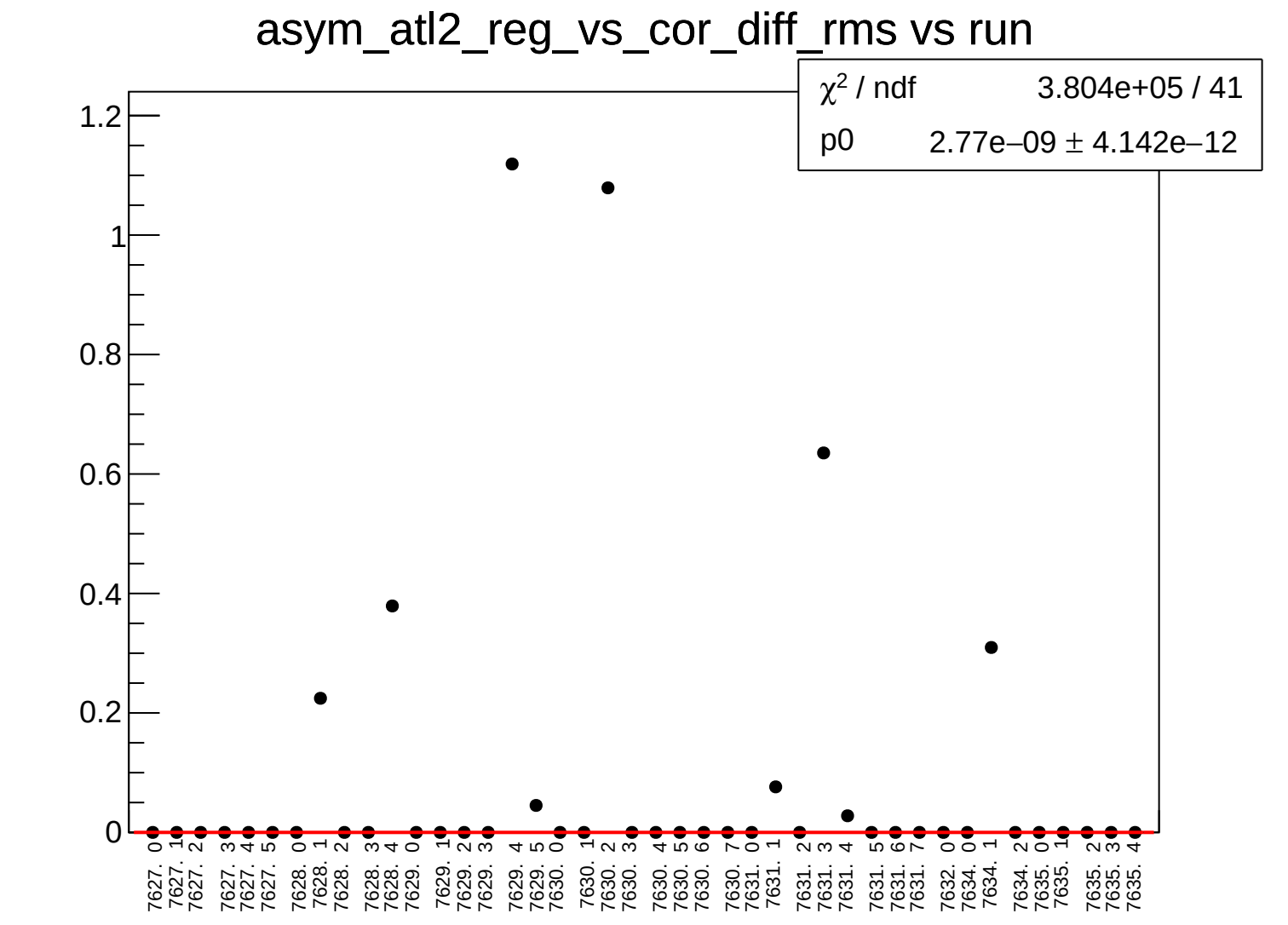
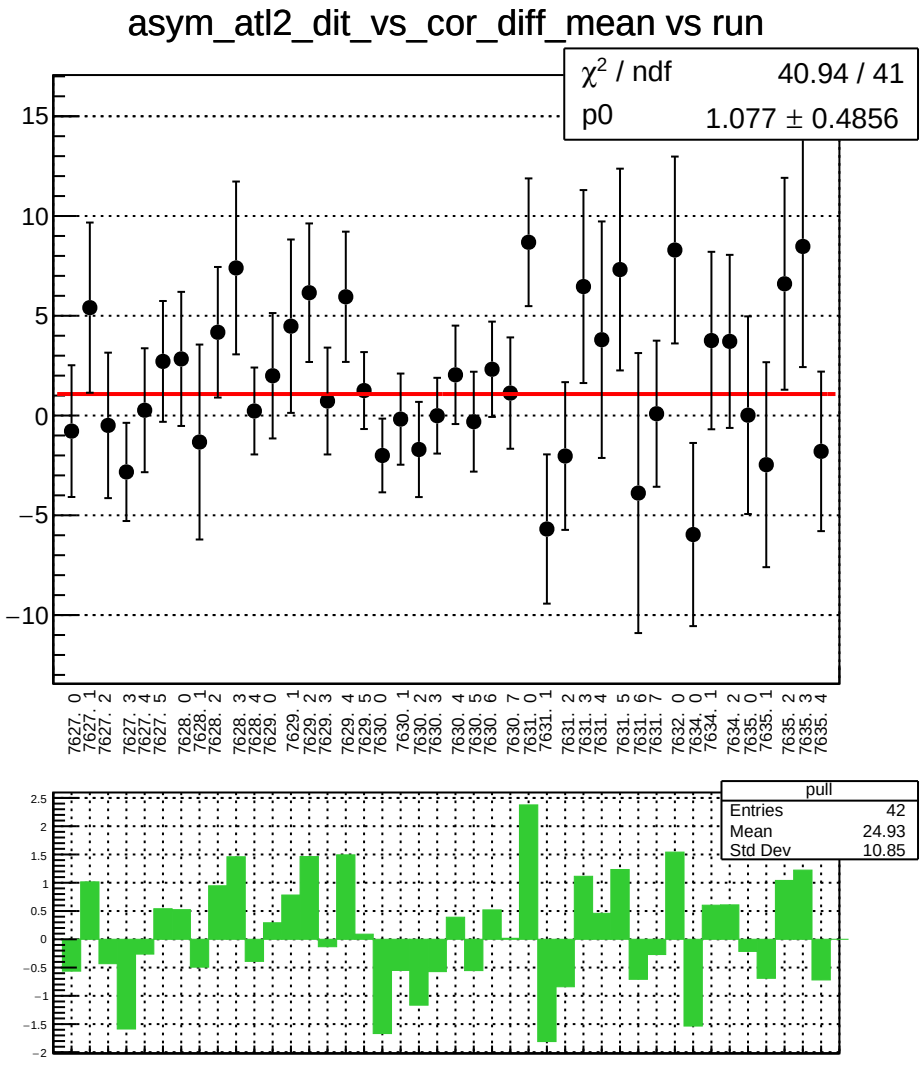
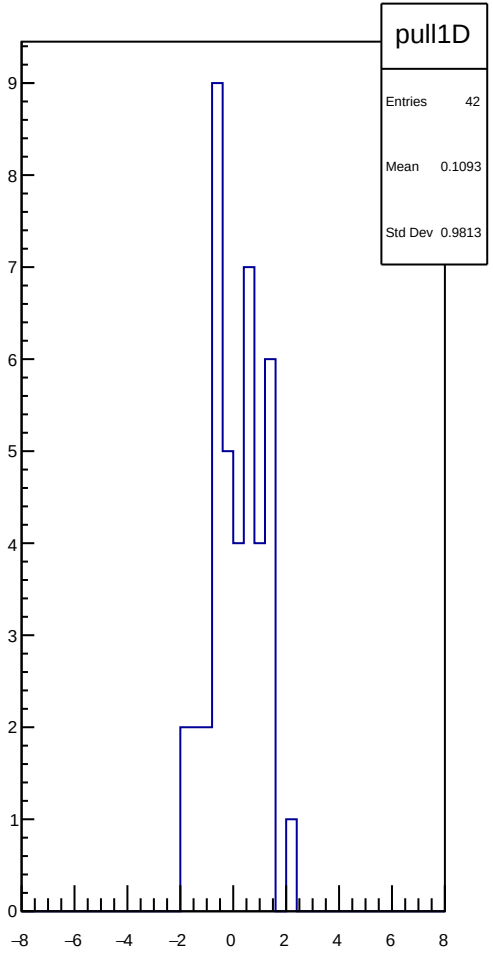
7635. 3
7635. 4

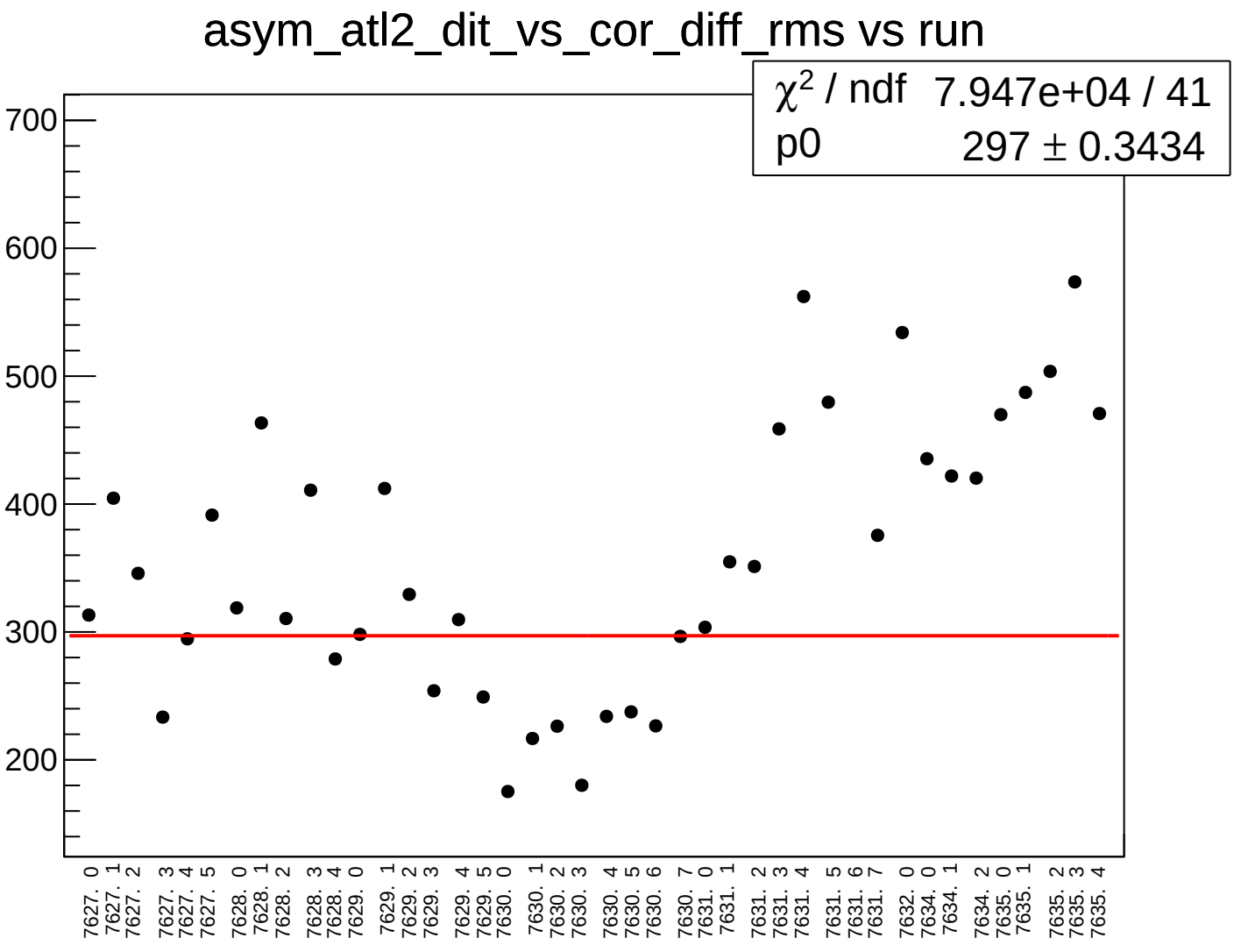

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 42.85 / 41
p0 1.996e−12 ± 5.857e−12
0.03
0.02
0.01
0
−0.01
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 48.54
Std Dev 0
2
1
0
−1
−2
−3

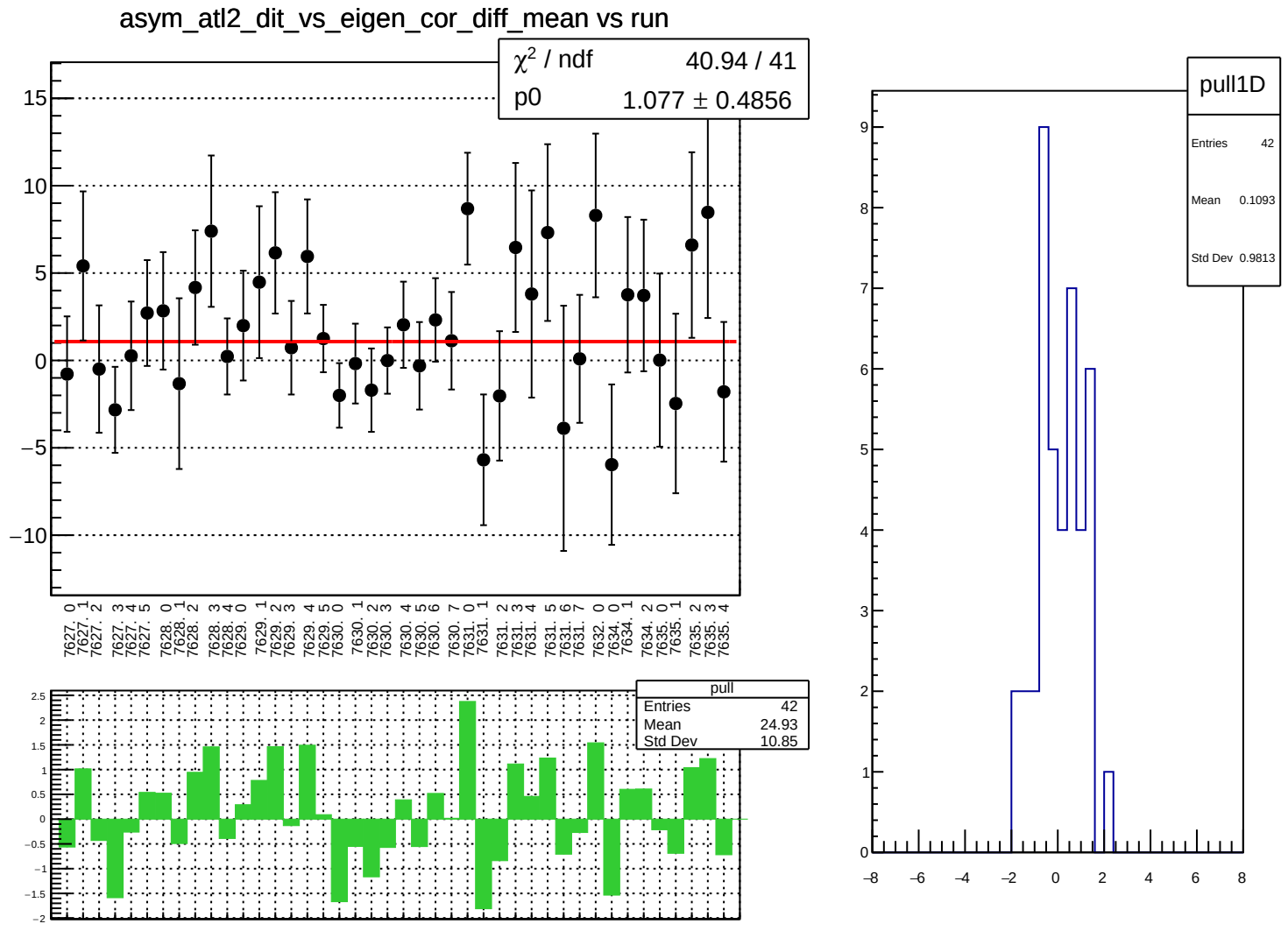

pull1D
Entries 42
Mean −0.1211
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

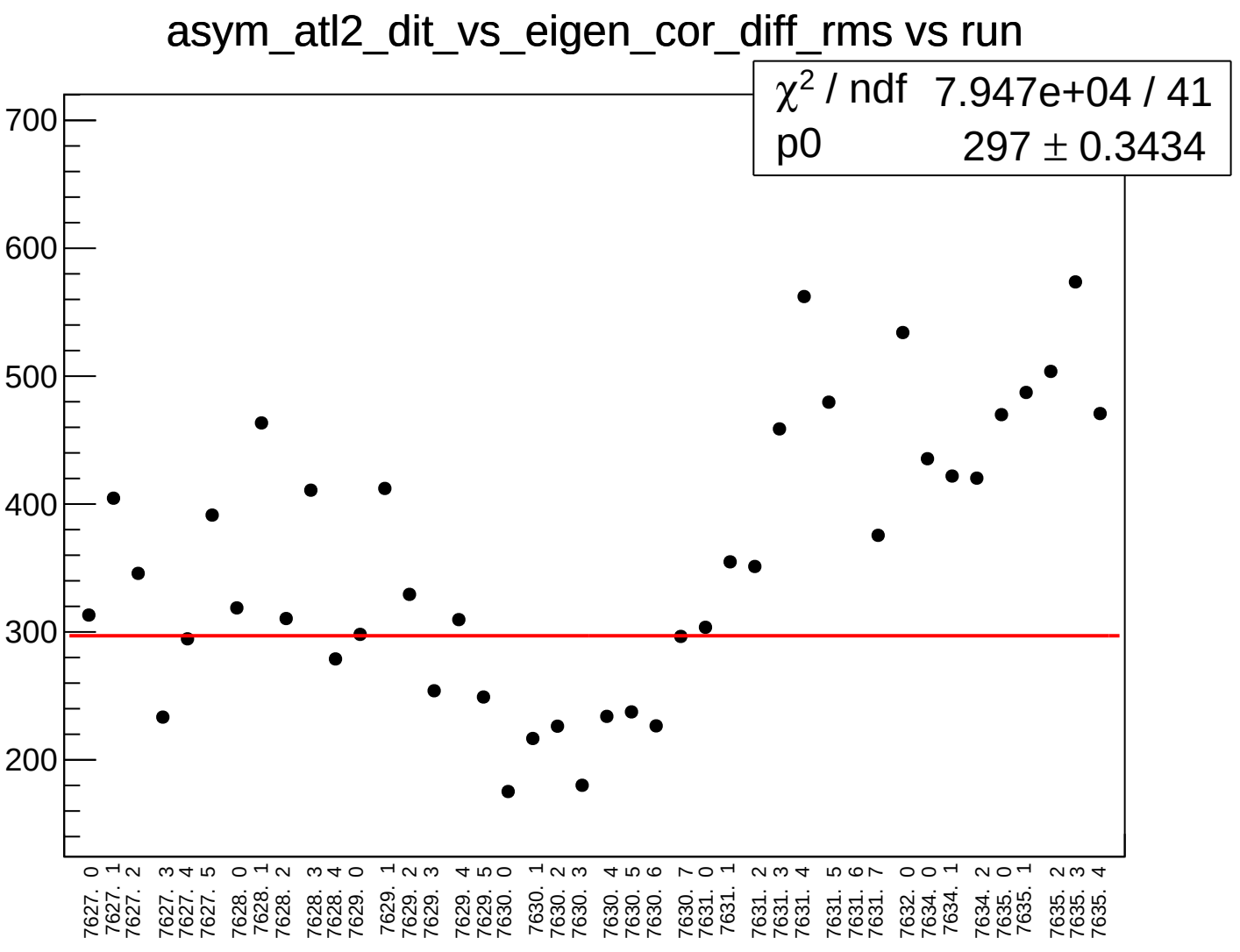

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 3.804e+05 / 41
p0 2.77e−09 ± 4.142e−12
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

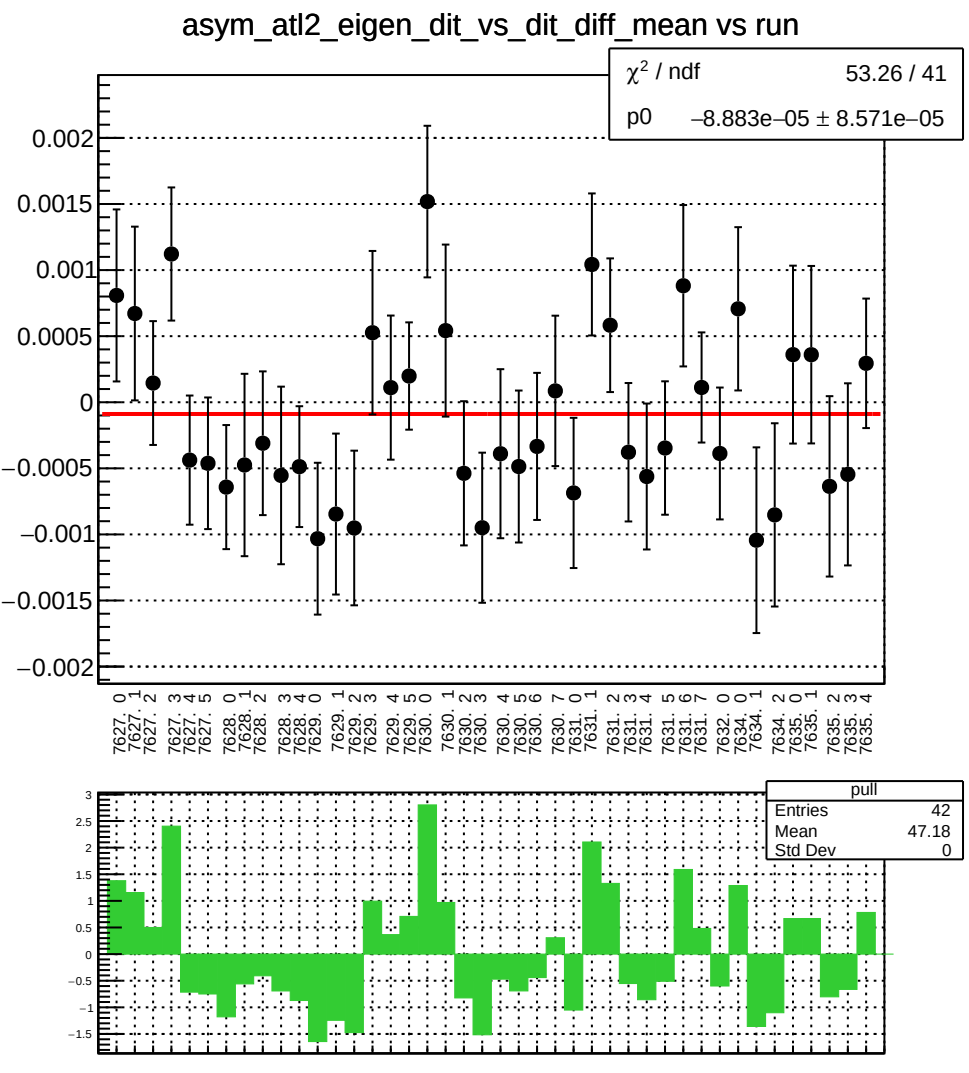

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 40.94 / 41
p0 1.077 ± 0.4856
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 24.93
Std Dev 10.85
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

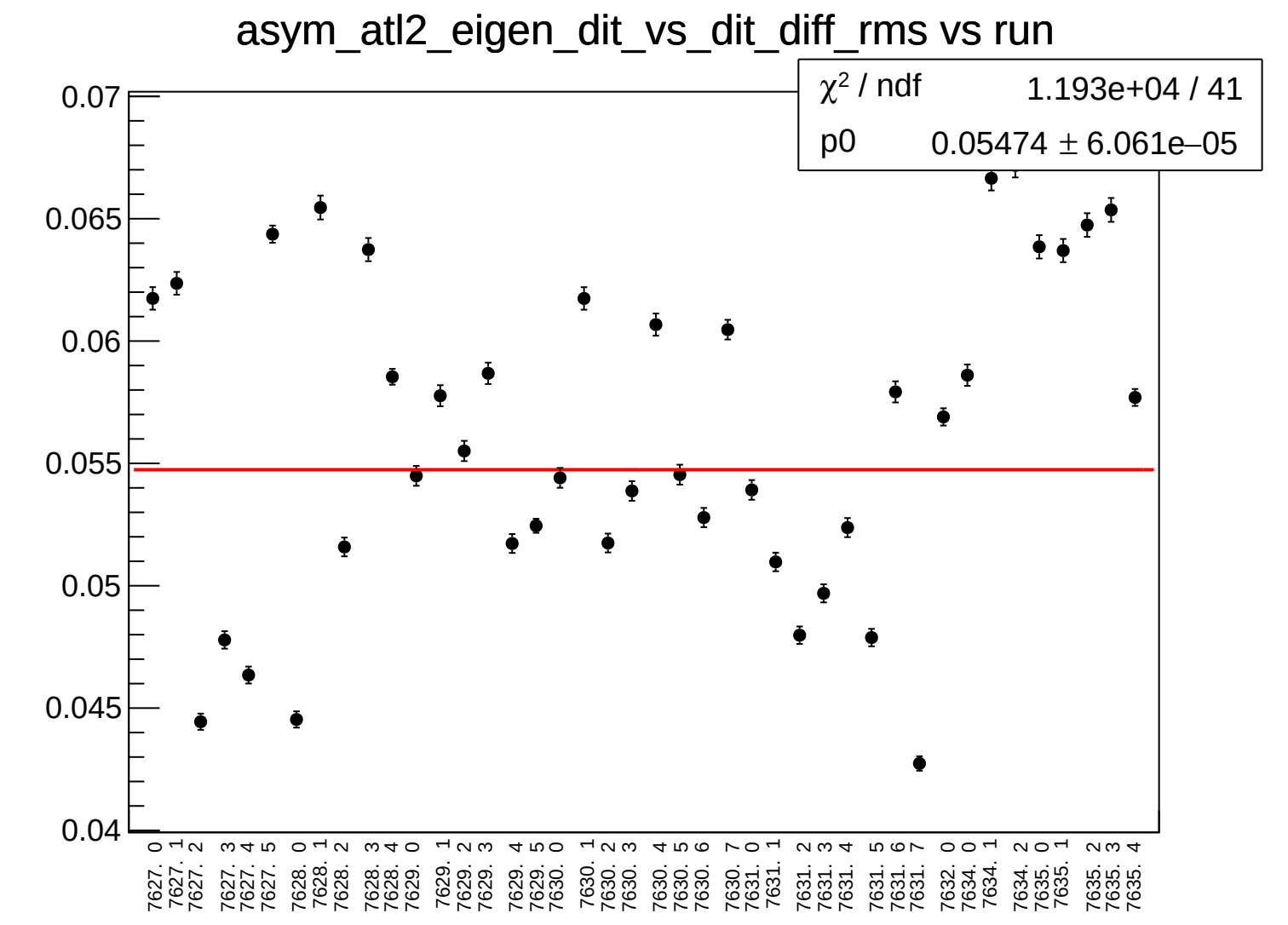

pull1D
Entries 42
Mean 0.1093
Std Dev 0.9813
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

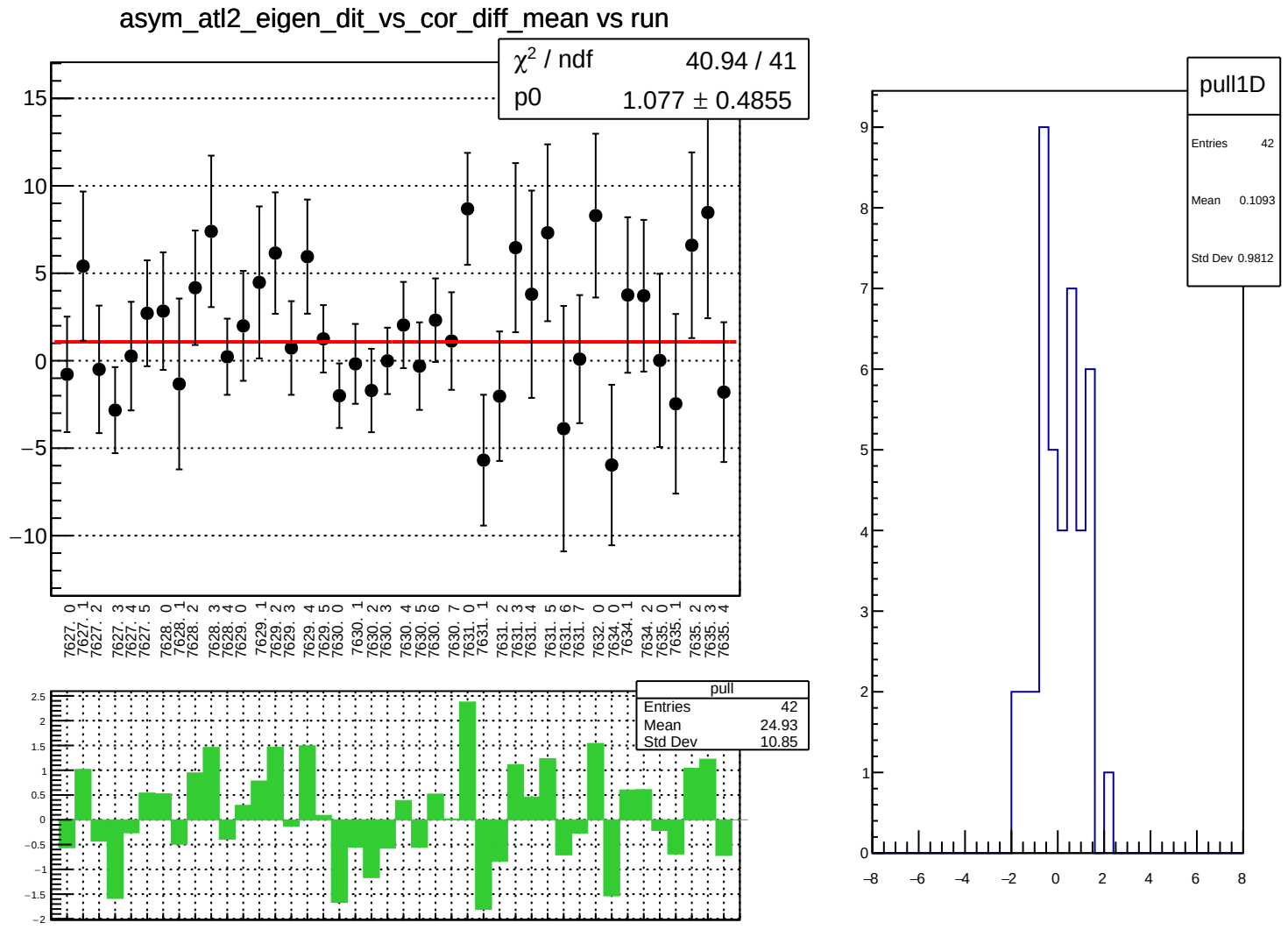

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 7.947e+04 / 41
p0 297 ± 0.3434
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

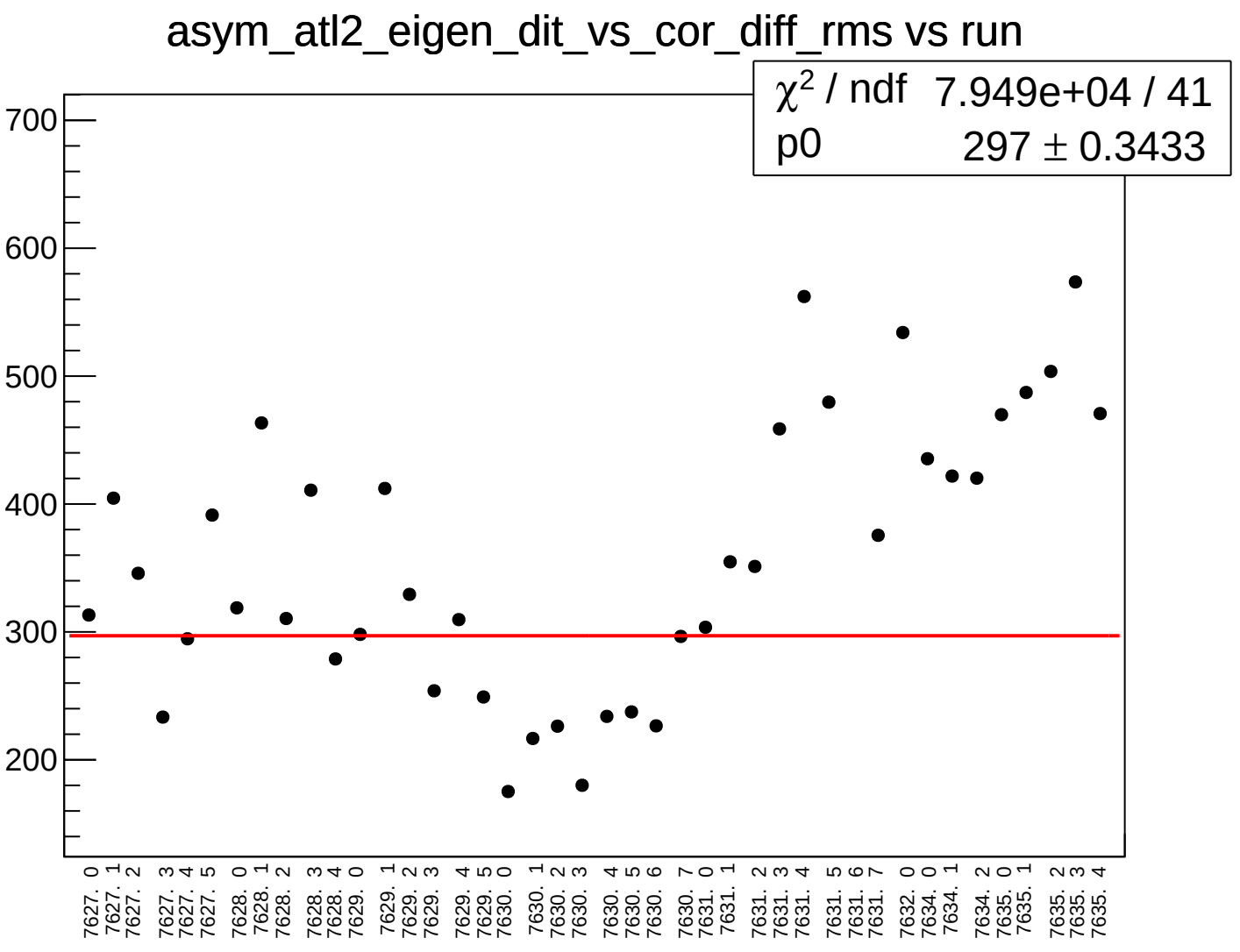

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.94 / 41
p0 1.077 ± 0.4856
pull
Entries 42
Mean 24.93
Std Dev 10.85
pull1D
Entries 42
Mean 0.1093
Std Dev 0.9813

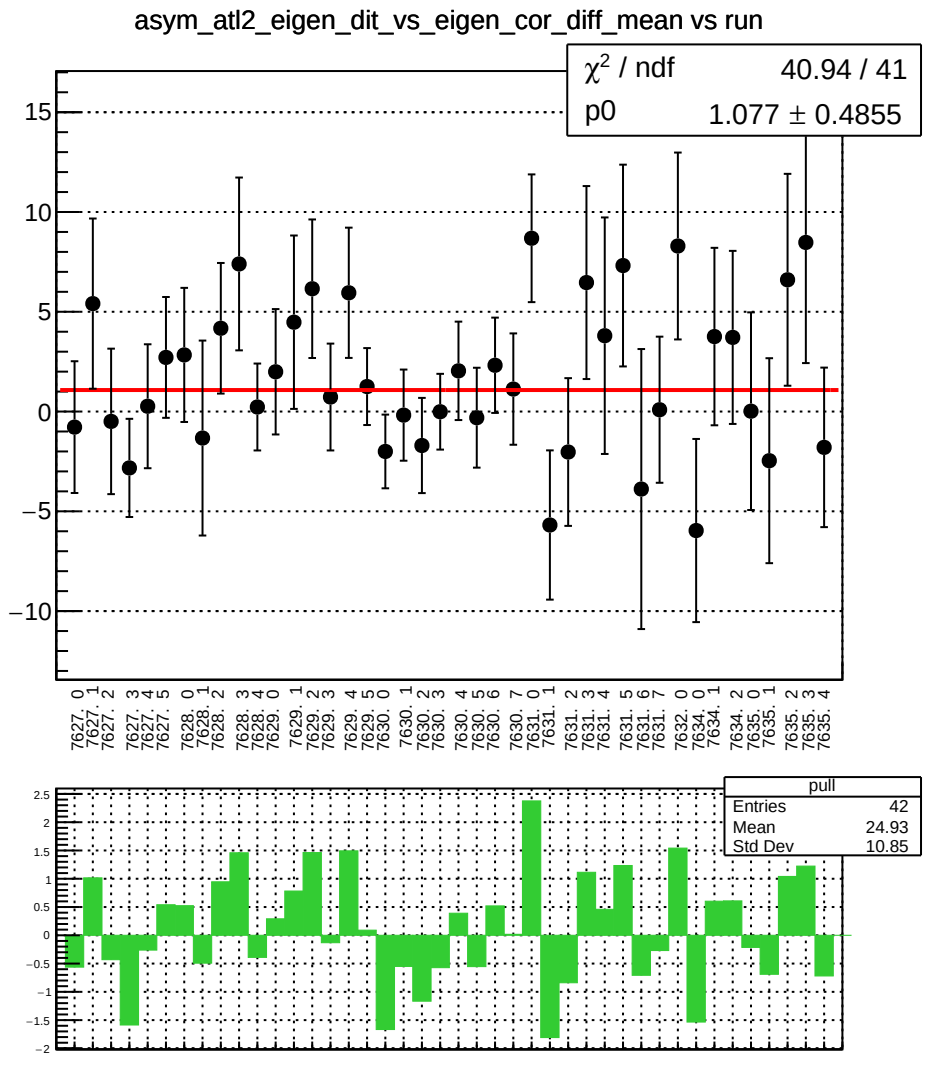

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.947e+04 / 41
p0 297 ± 0.3434
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

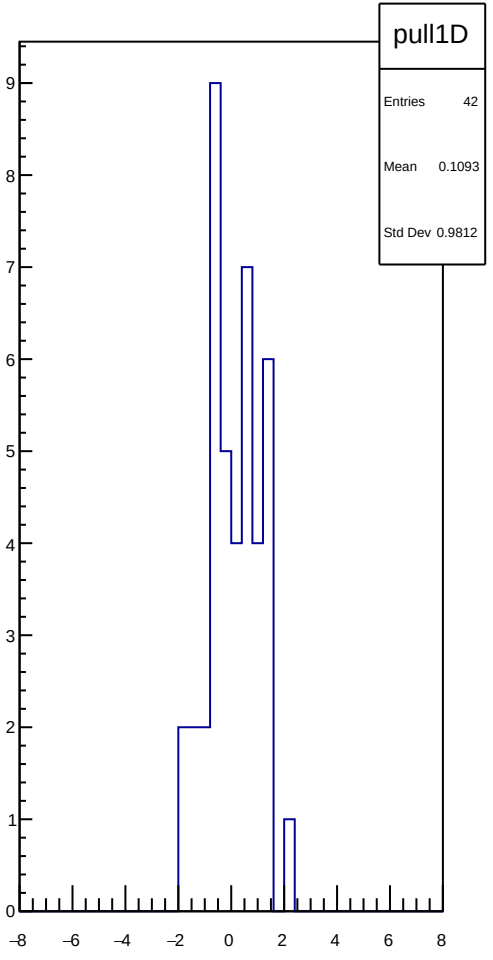

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.26 / 41
p0 −8.883e−05 ± 8.571e−05
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 47.18
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.0112
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

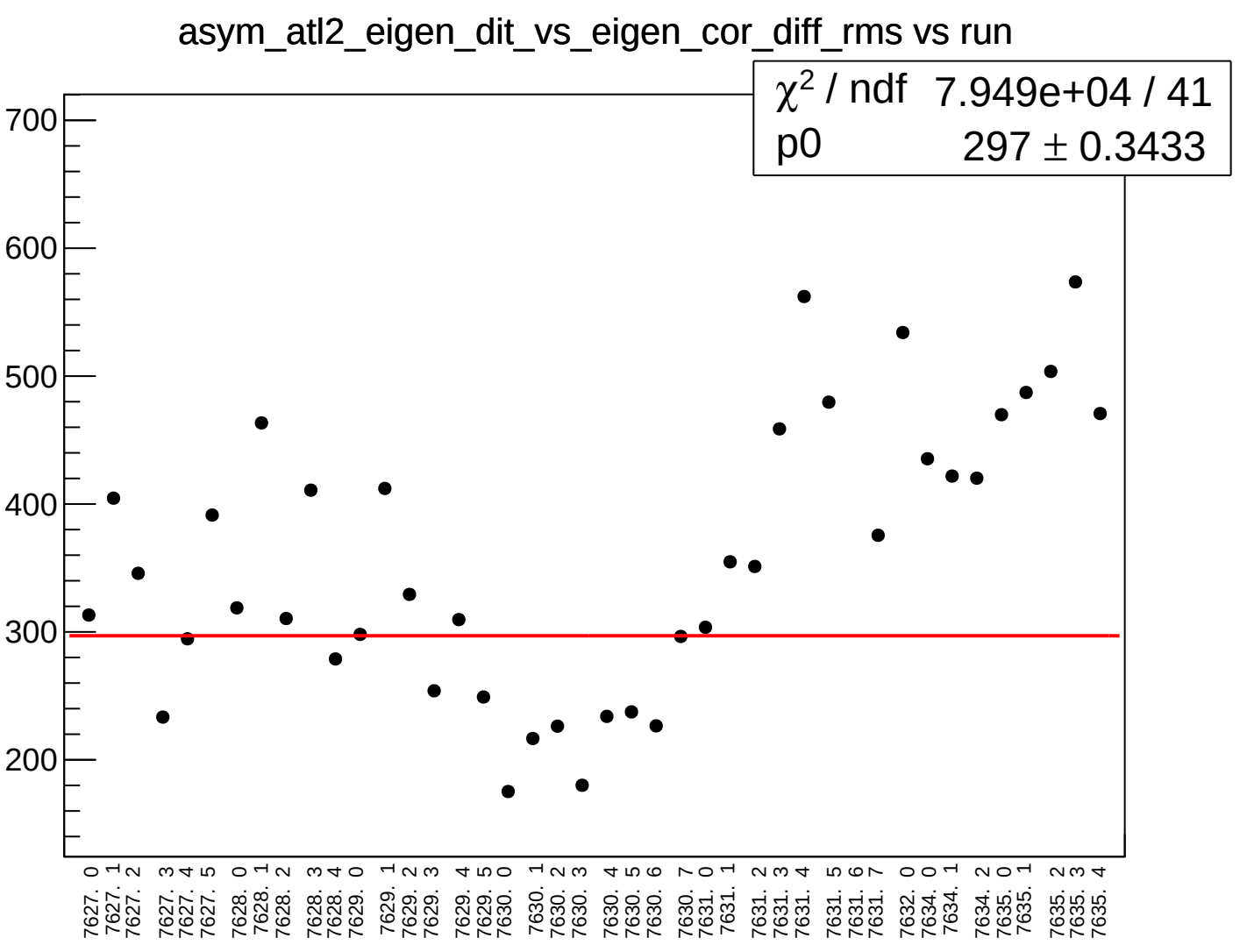

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.193e+04 / 41
p0 0.05474 ± 6.061e−05
0.07
0.065
0.06
0.055
0.05
0.045
0.04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

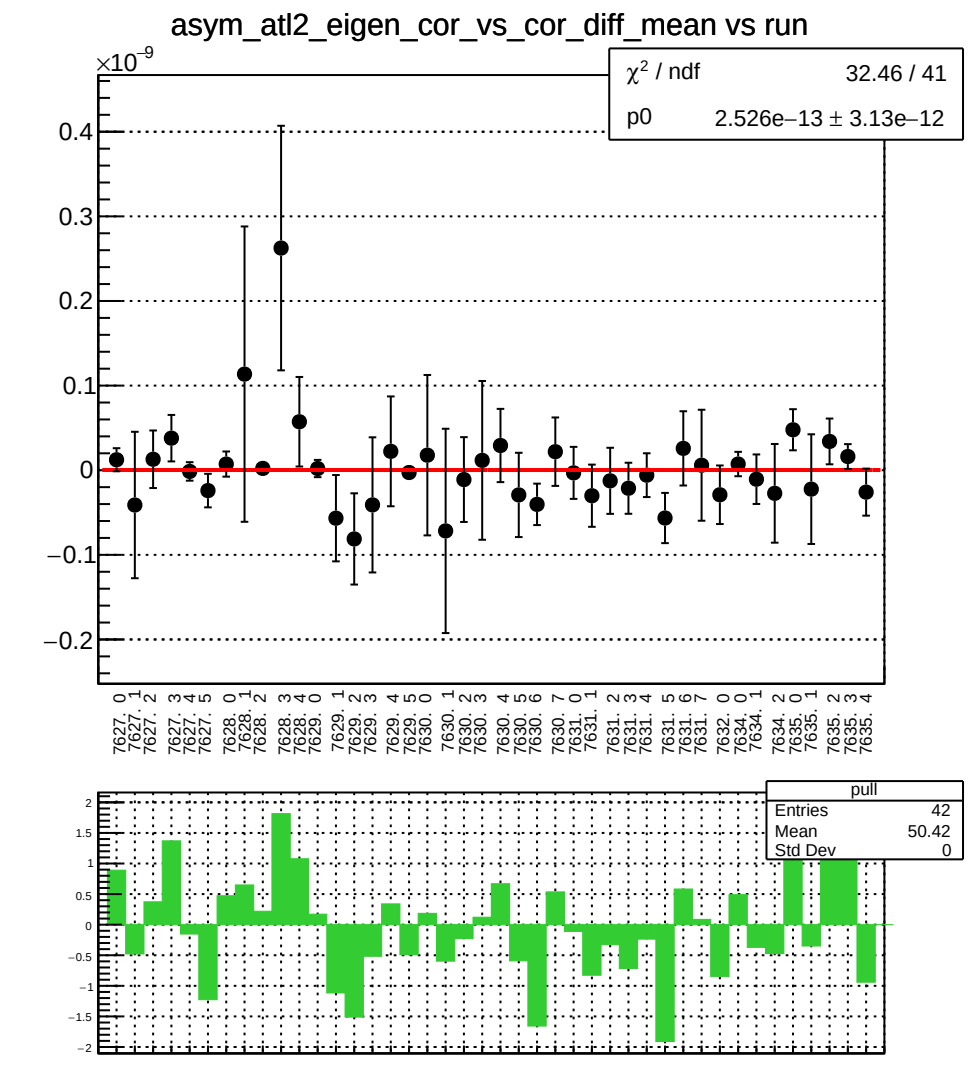

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.94 / 41
p0 1.077 ± 0.4855
pull
Entries 42
Mean 24.93
Std Dev 10.85
pull1D
Entries 42
Mean 0.1093
Std Dev 0.9812

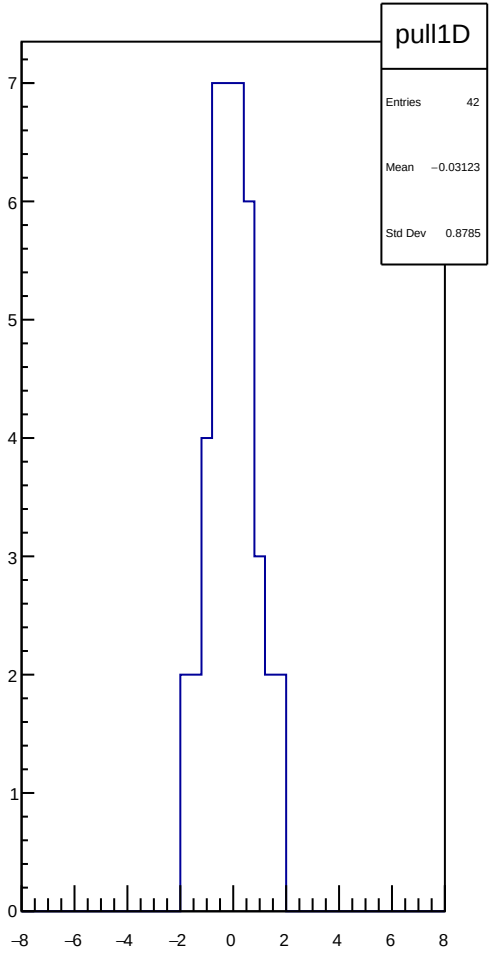

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.949e+04 / 41
p0 297 ± 0.3433
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

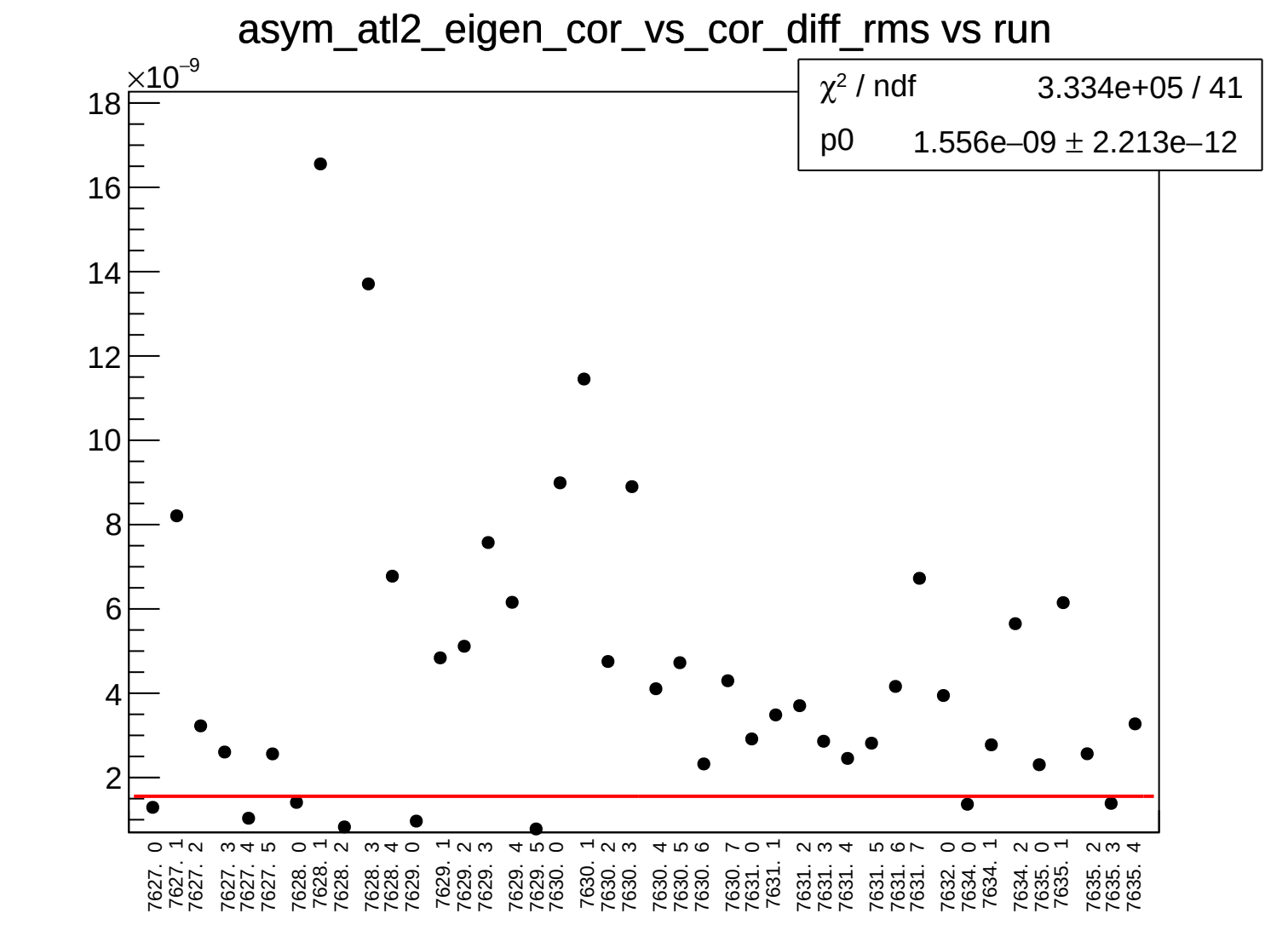

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.94 / 41
p0 1.077 ± 0.4855
pull
Entries 42
Mean 24.93
Std Dev 10.85

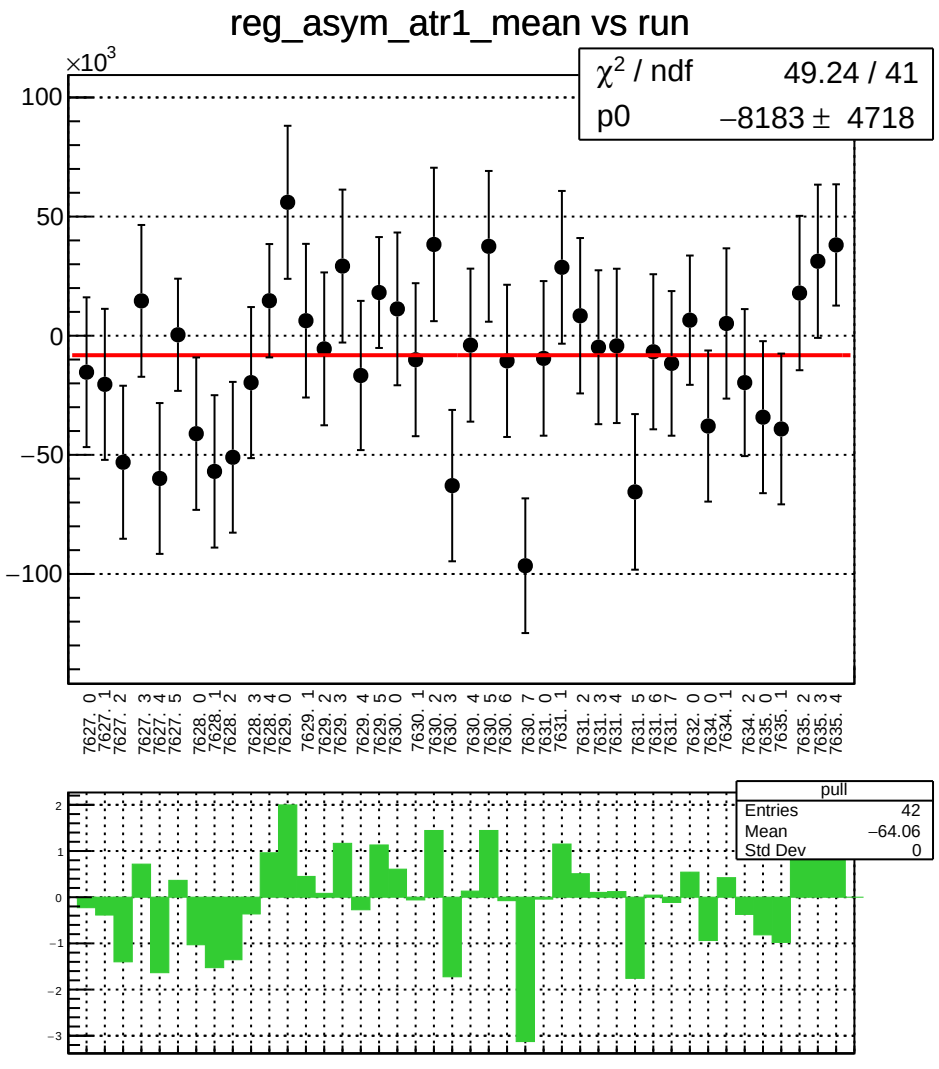

pull1D
Entries 42
Mean 0.1093
Std Dev 0.9812

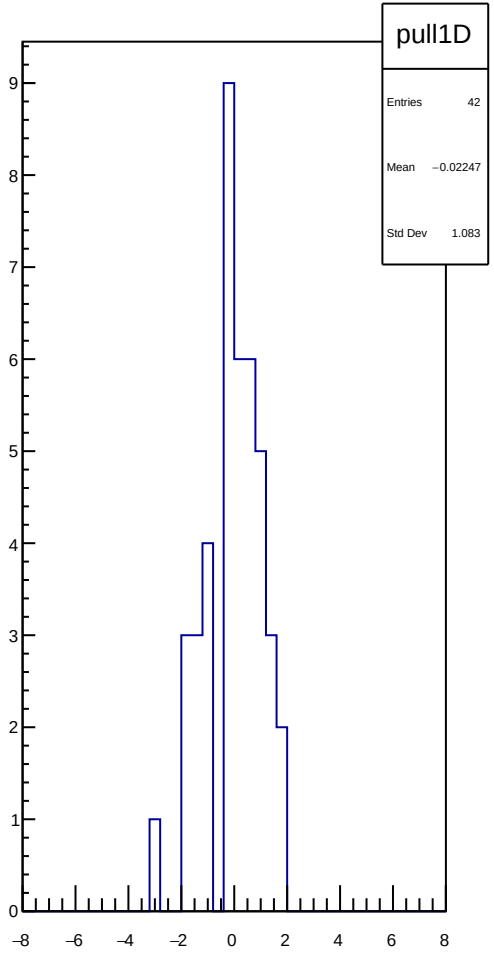

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.949e+04 / 41
p0 297 ± 0.3433
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

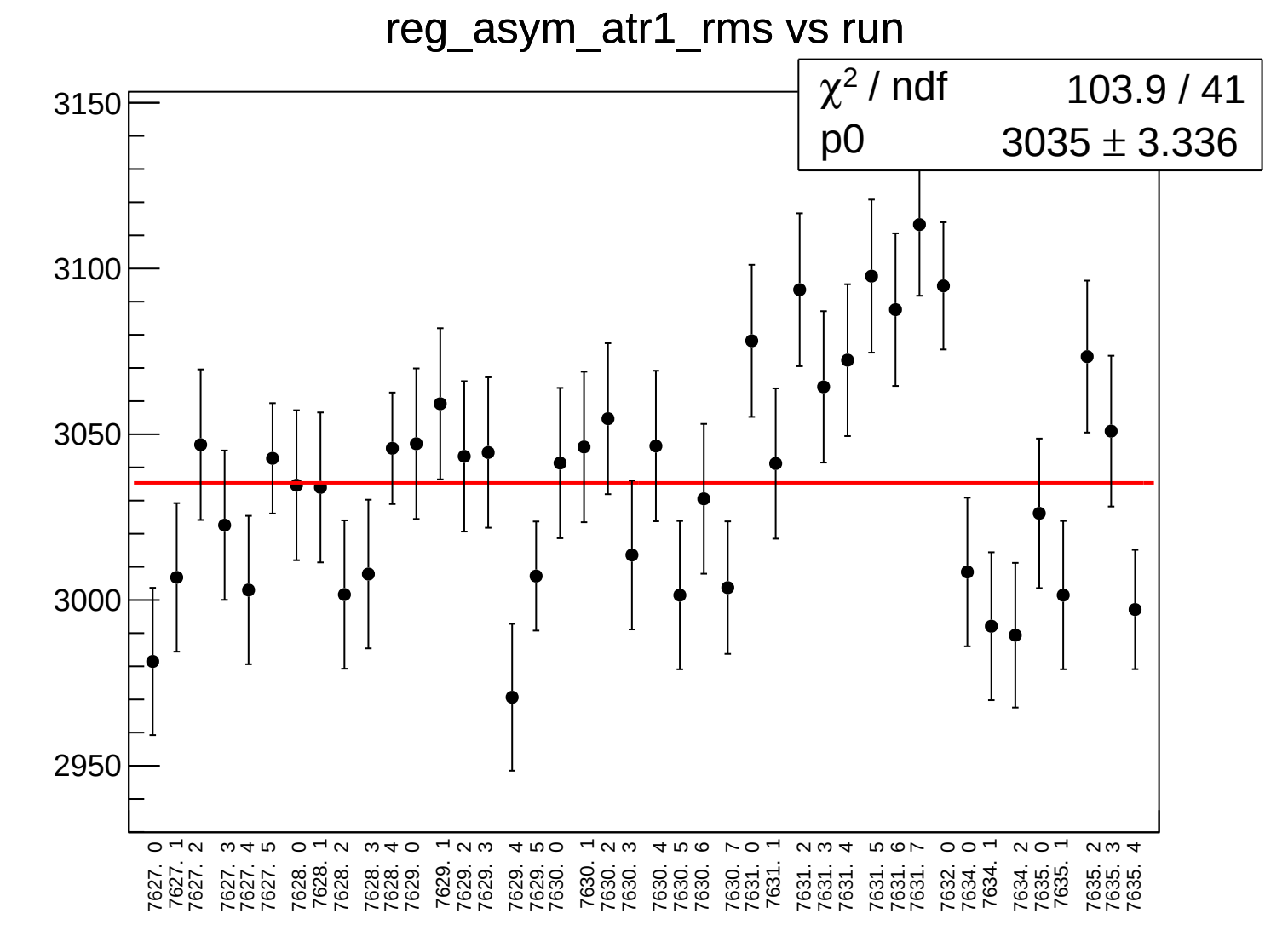

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 32.46 / 41
p0 2.526e−13 ± 3.13e−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 50.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

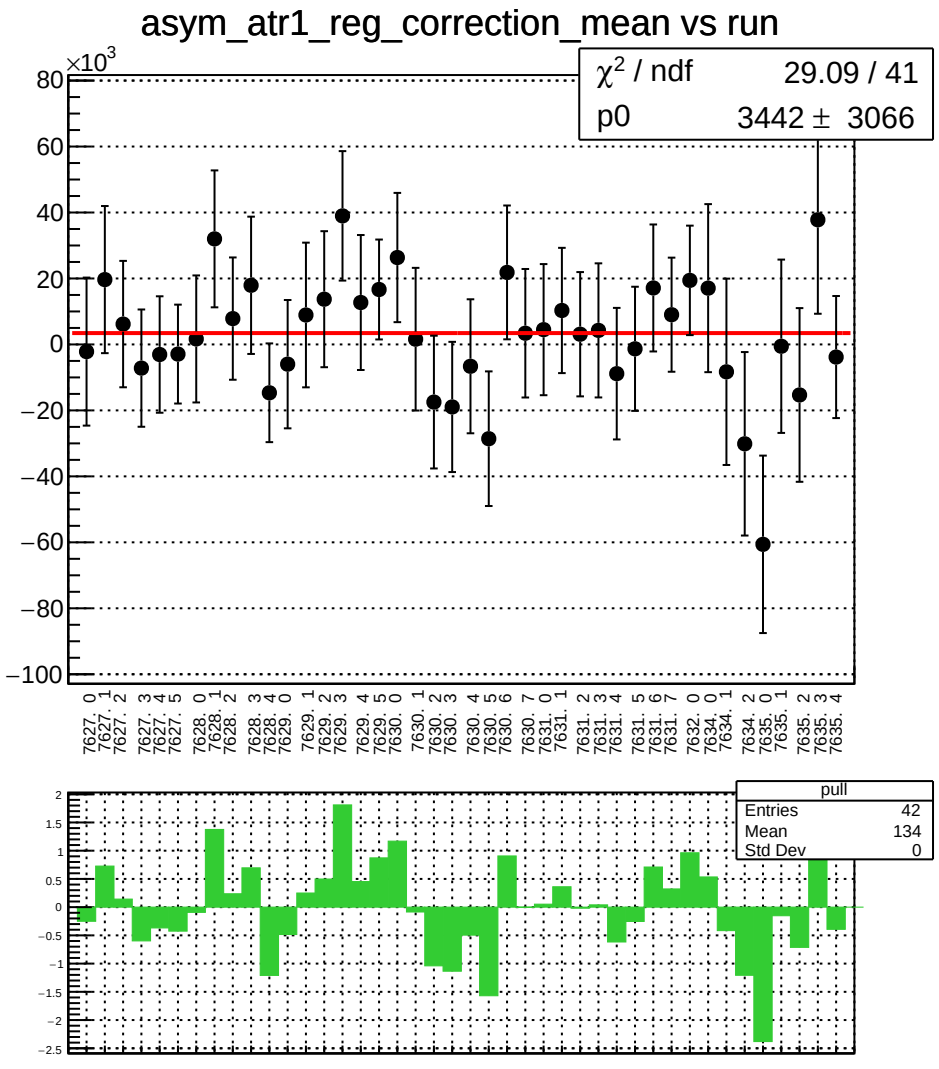

pull1D
Entries 42
Mean −0.03123
Std Dev 0.8785
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

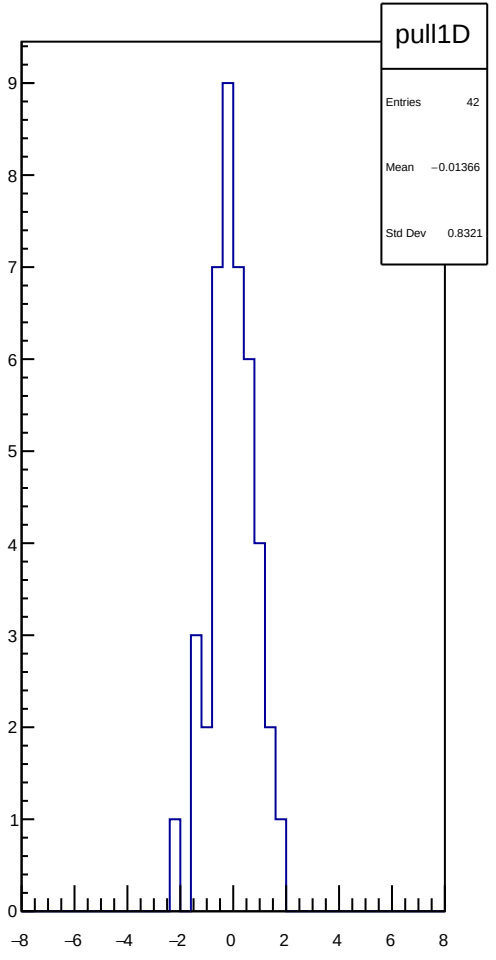

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.334e+05 / 41
p0 1.556e−09 ± 2.213e−12
18
16
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

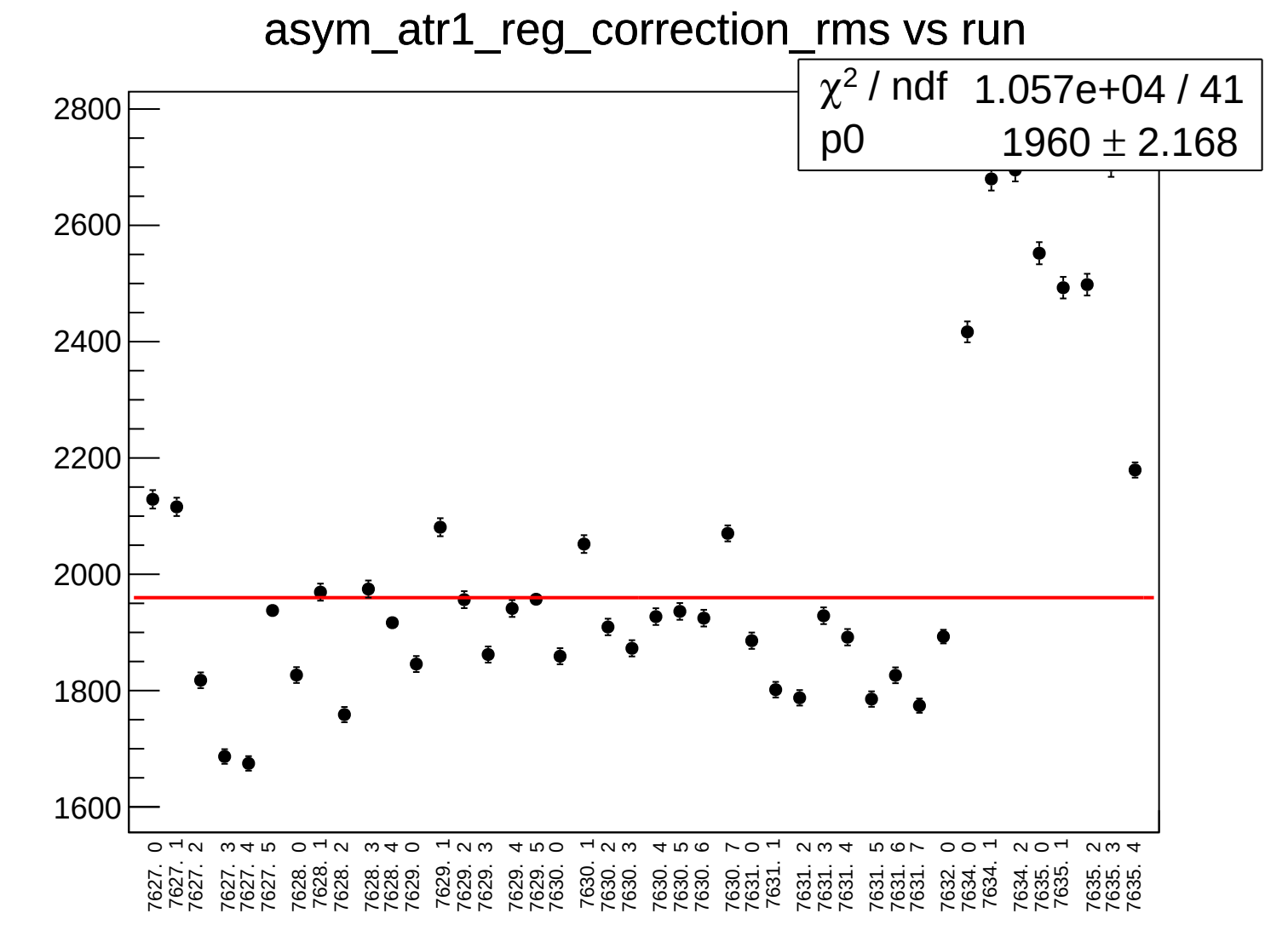

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 49.24 / 41
p0 −8183 ± 4718
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −64.06
Std Dev 0
2
1
0
−1
−2
−3

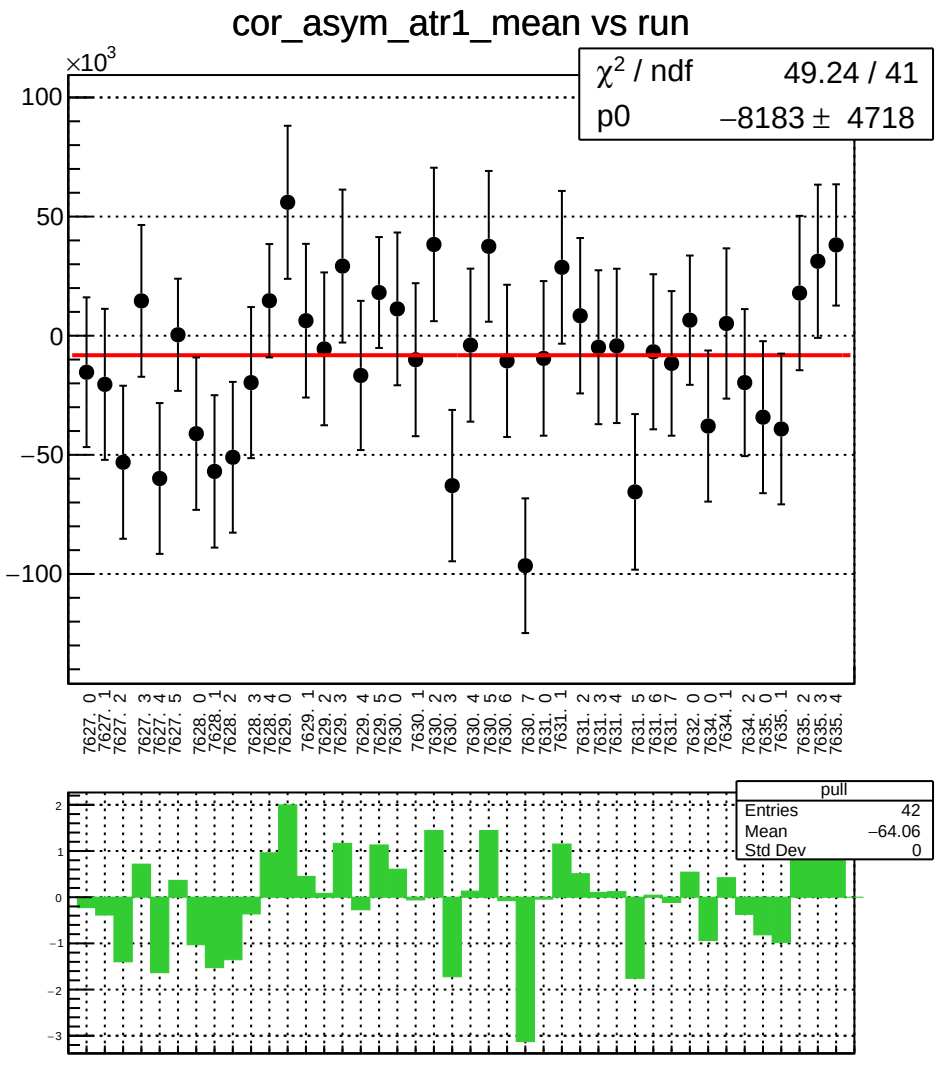

pull1D
Entries 42
Mean −0.02247
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

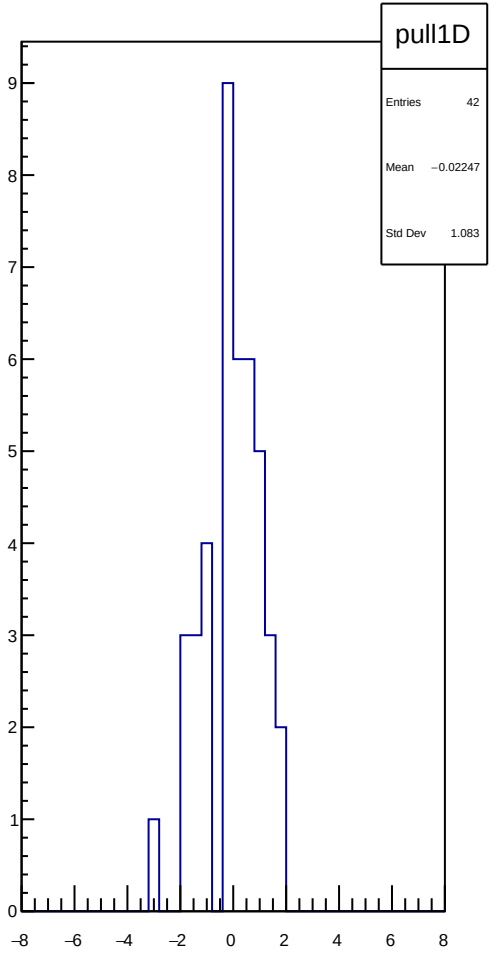

reg_asym_atr1_rms vs run
χ² / ndf 103.9 / 41
p0 3035 ± 3.336
3150
3100
3050
3000
2950
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

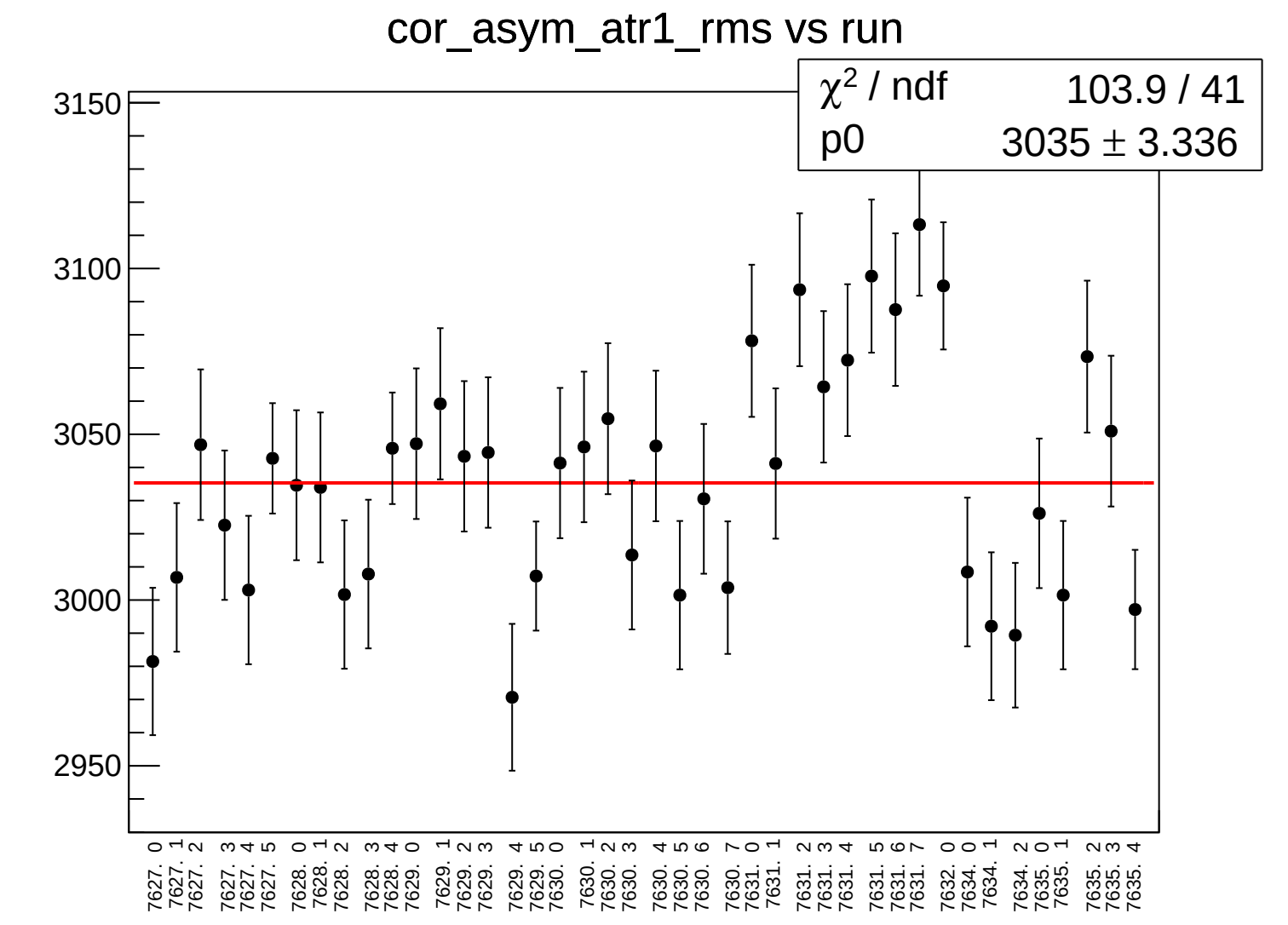

asym_atr1_reg_correction_mean vs run
×10^3
χ² / ndf 29.09 / 41
p0 3442 ± 3066
pull
Entries 42
Mean 134
Std Dev 0

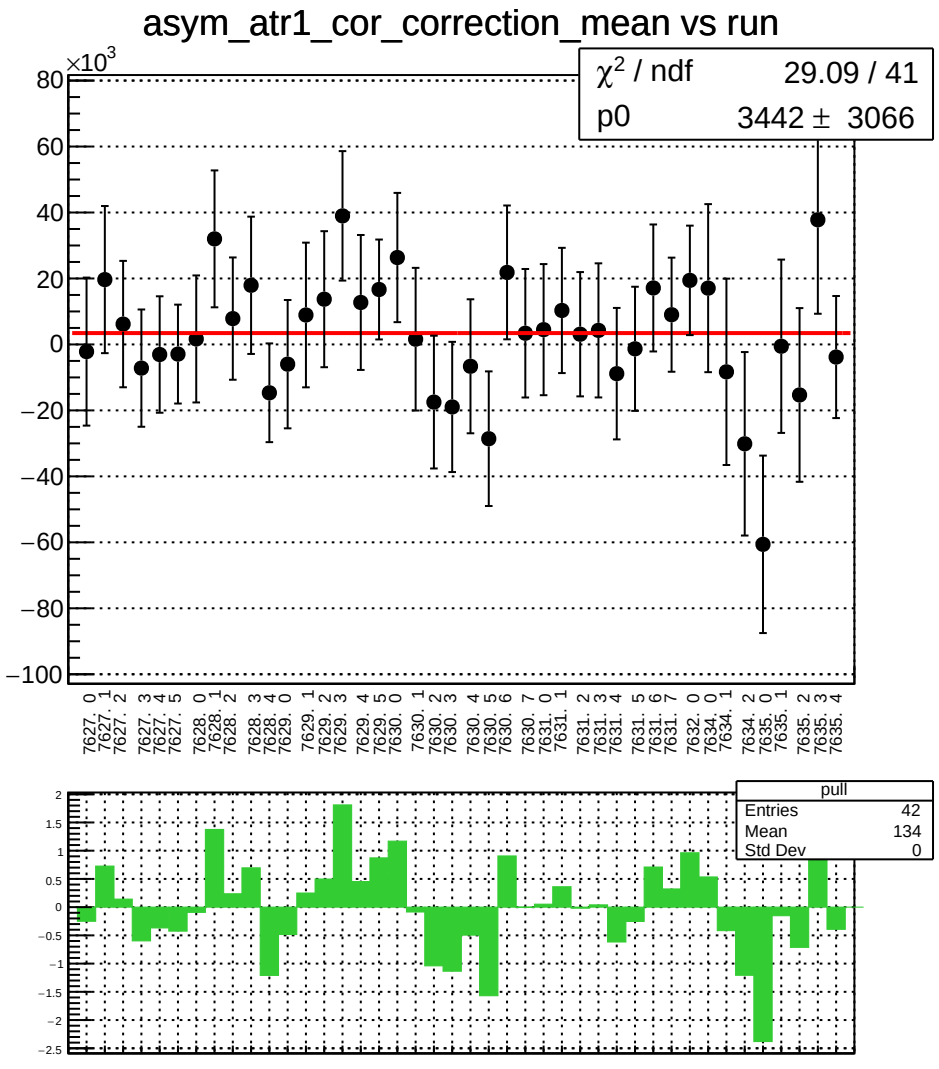

pull1D
Entries 42
Mean −0.01366
Std Dev 0.8321

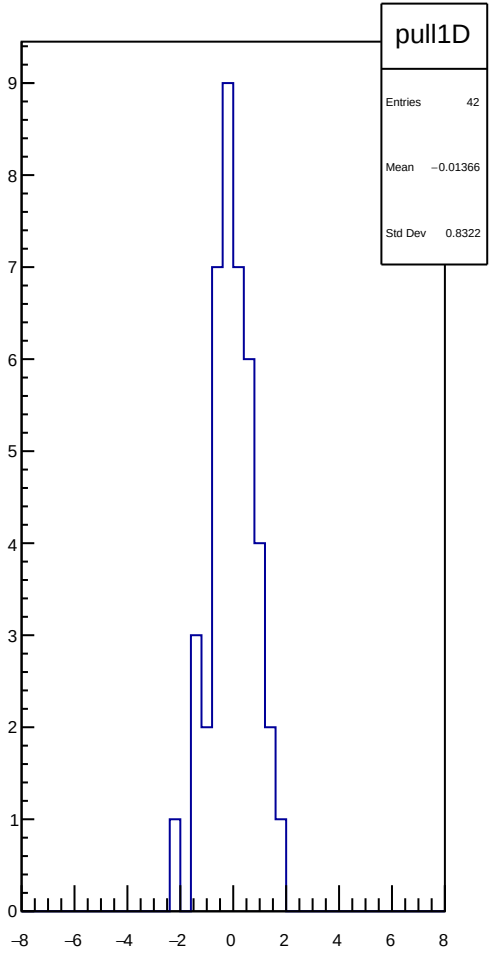

asym_atr1_reg_correction_rms vs run
χ² / ndf 1.057e+04 / 41
p0 1960 ± 2.168
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

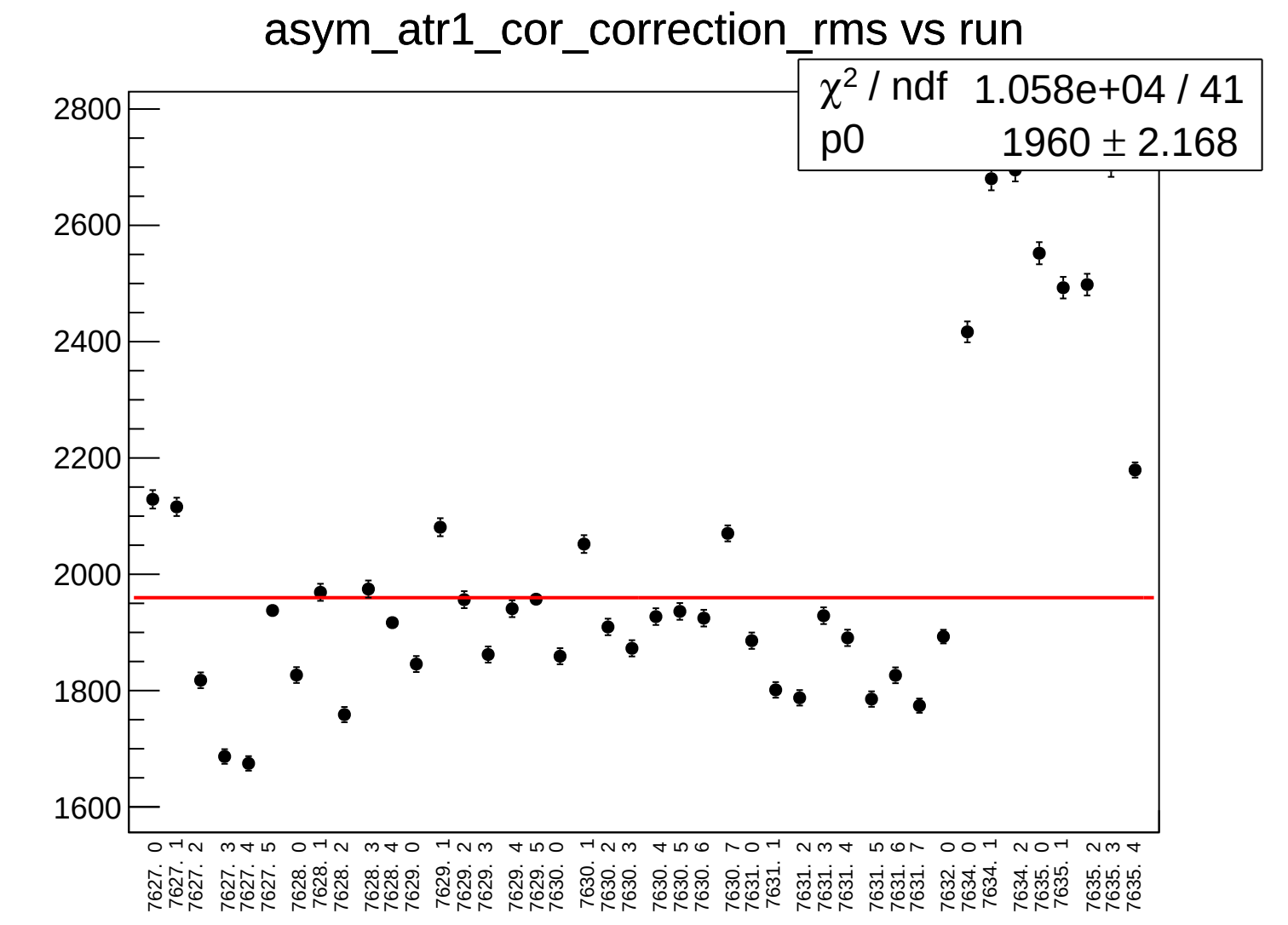

cor_asym_atr1_mean vs run
×10^3
χ² / ndf 49.24 / 41
p0 −8183 ± 4718
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −64.06
Std Dev 0
2
1
0
−1
−2
−3

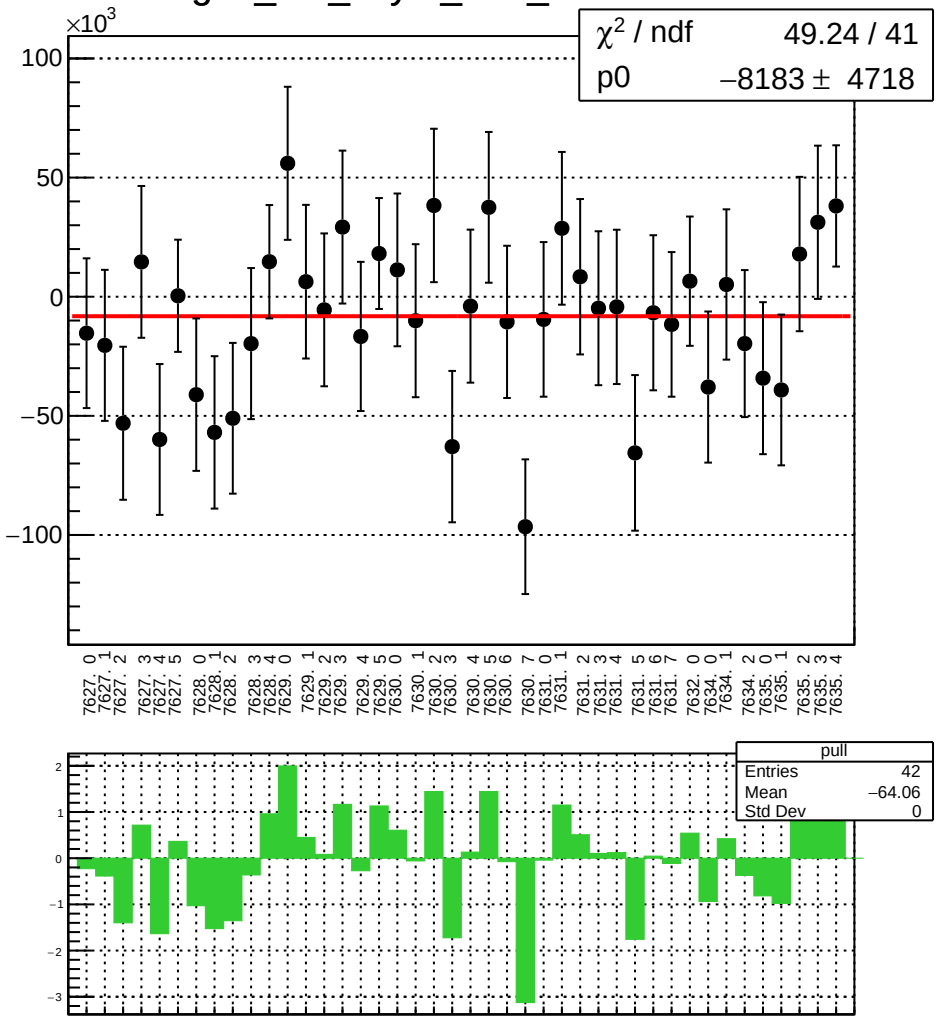

pull1D
Entries 42
Mean −0.02247
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

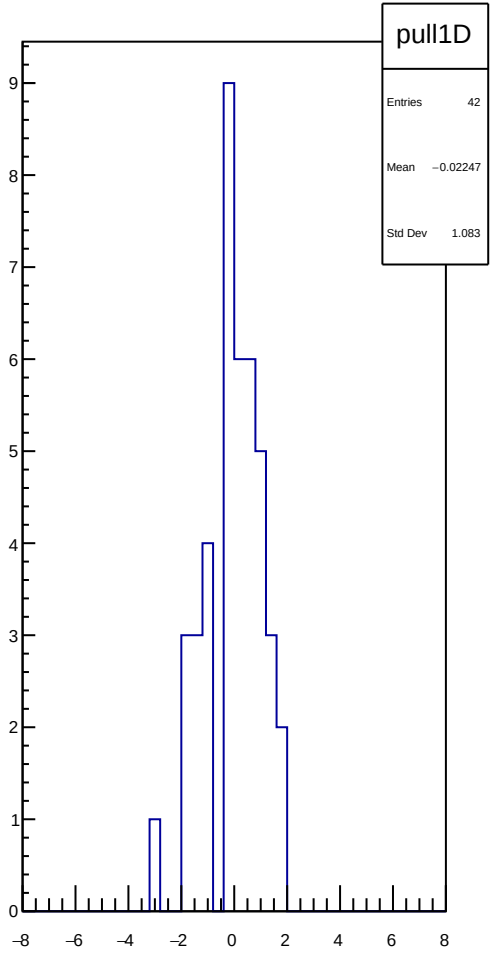

cor_asym_atr1_rms vs run
χ² / ndf 103.9 / 41
p0 3035 ± 3.336
3150
3100
3050
3000
2950
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr1_cor_correction_mean vs run
×10^3
χ² / ndf 29.09 / 41
p0 3442 ± 3066
pull
Entries 42
Mean 134
Std Dev 0


pull1D
Entries 42
Mean −0.01366
Std Dev 0.8322


asym_atr1_cor_correction_rms vs run
χ² / ndf 1.058e+04 / 41
p0 1960 ± 2.168
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 49.24 / 41
p0 −8183 ± 4718
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −64.06
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.02247
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
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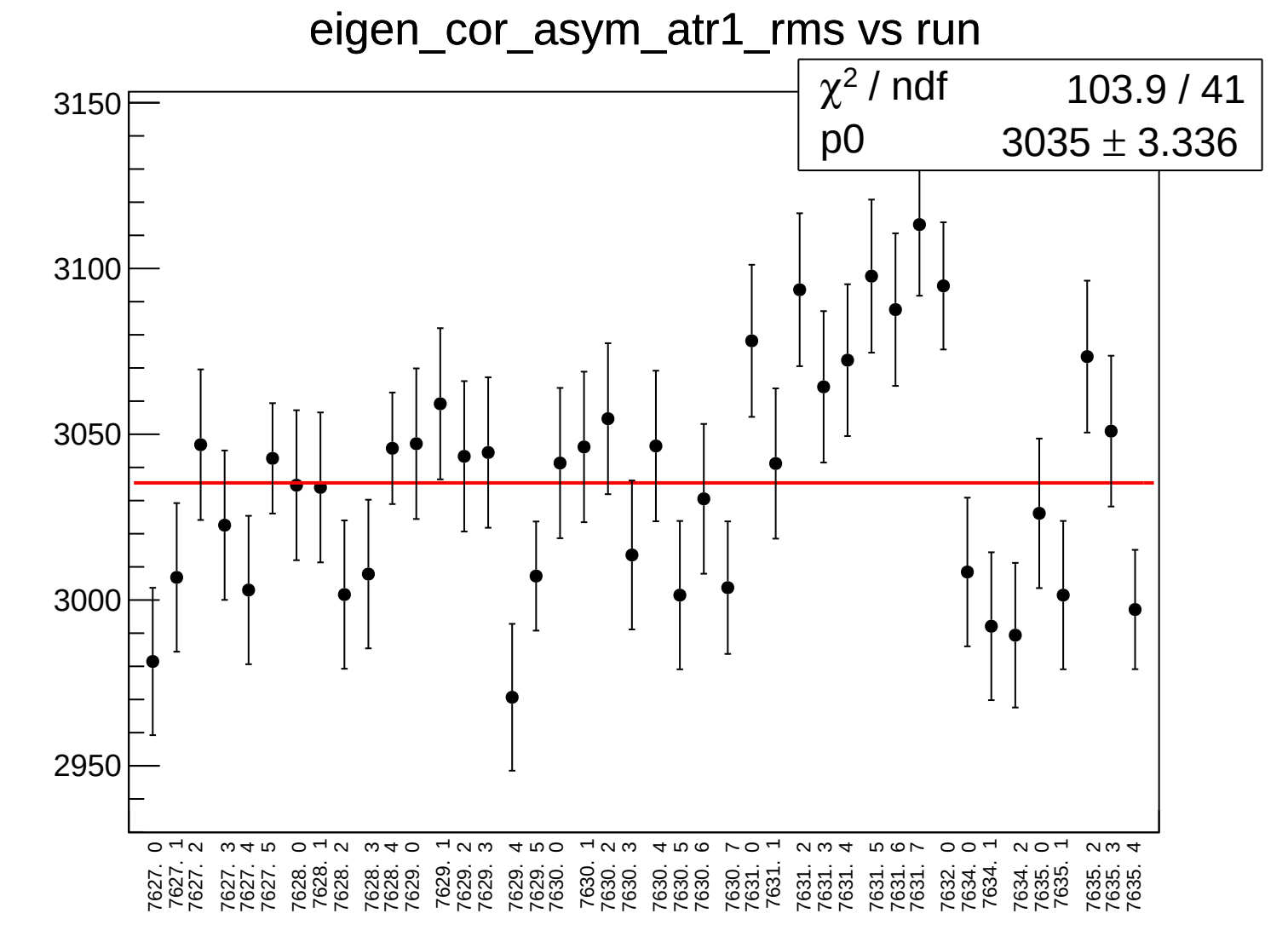
2
4
6
8


eigen_cor_asym_atr1_rms vs run
χ² / ndf 103.9 / 41
p0 3035 ± 3.336
3150
3100
3050
3000
2950
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
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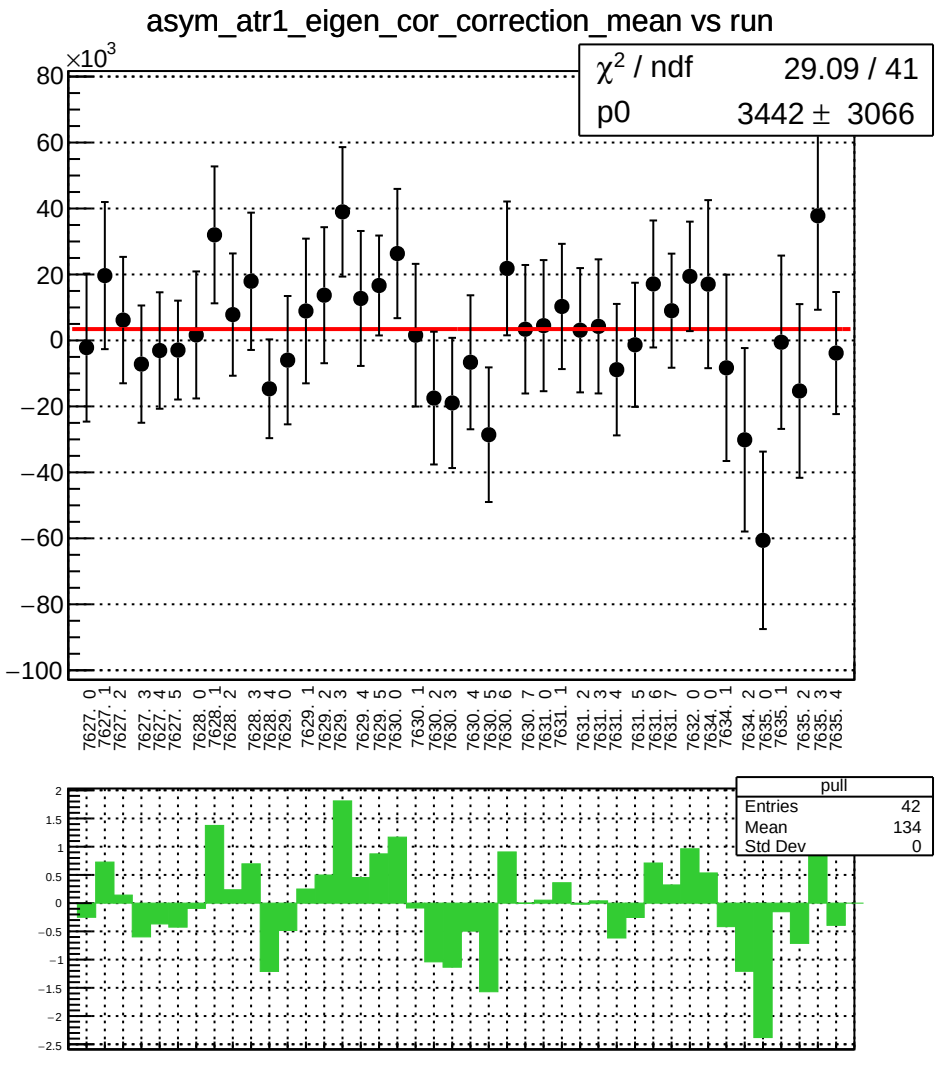
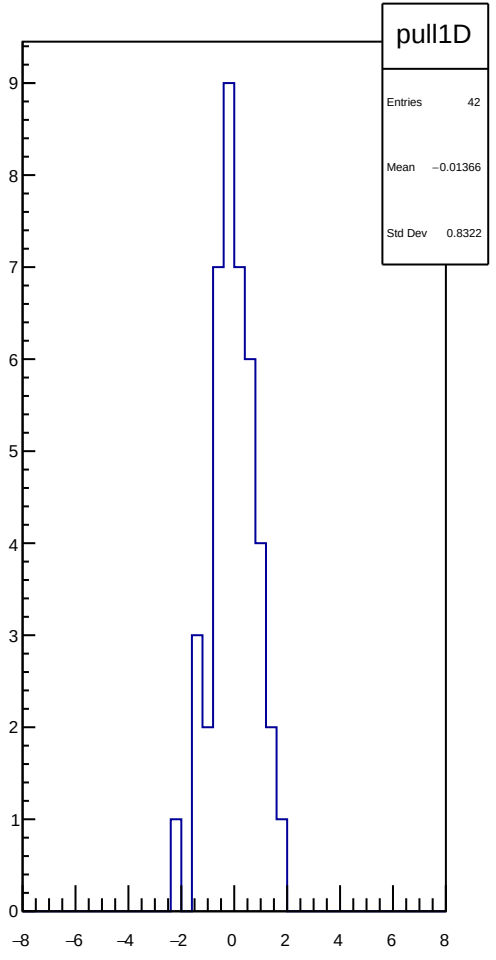
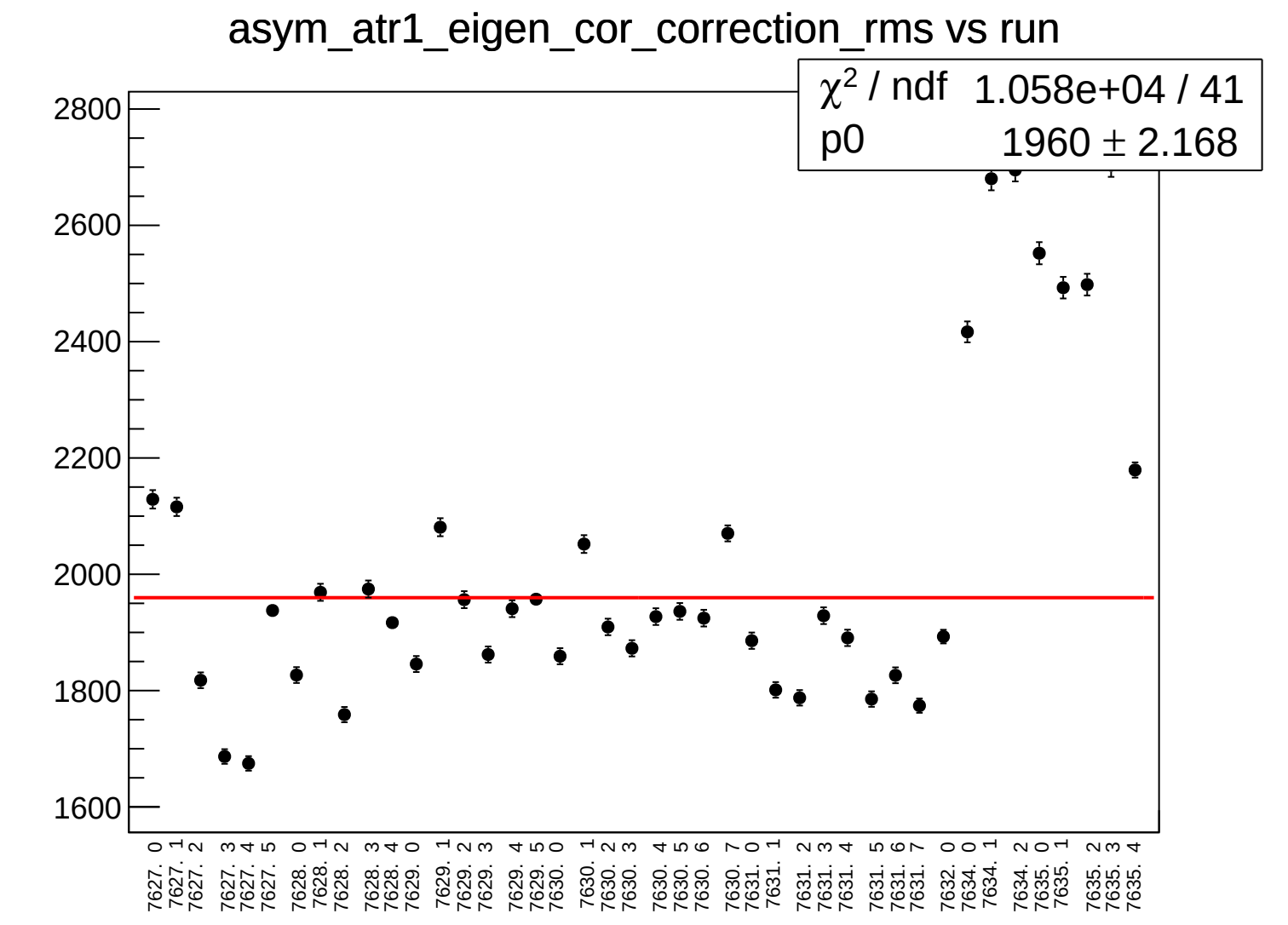
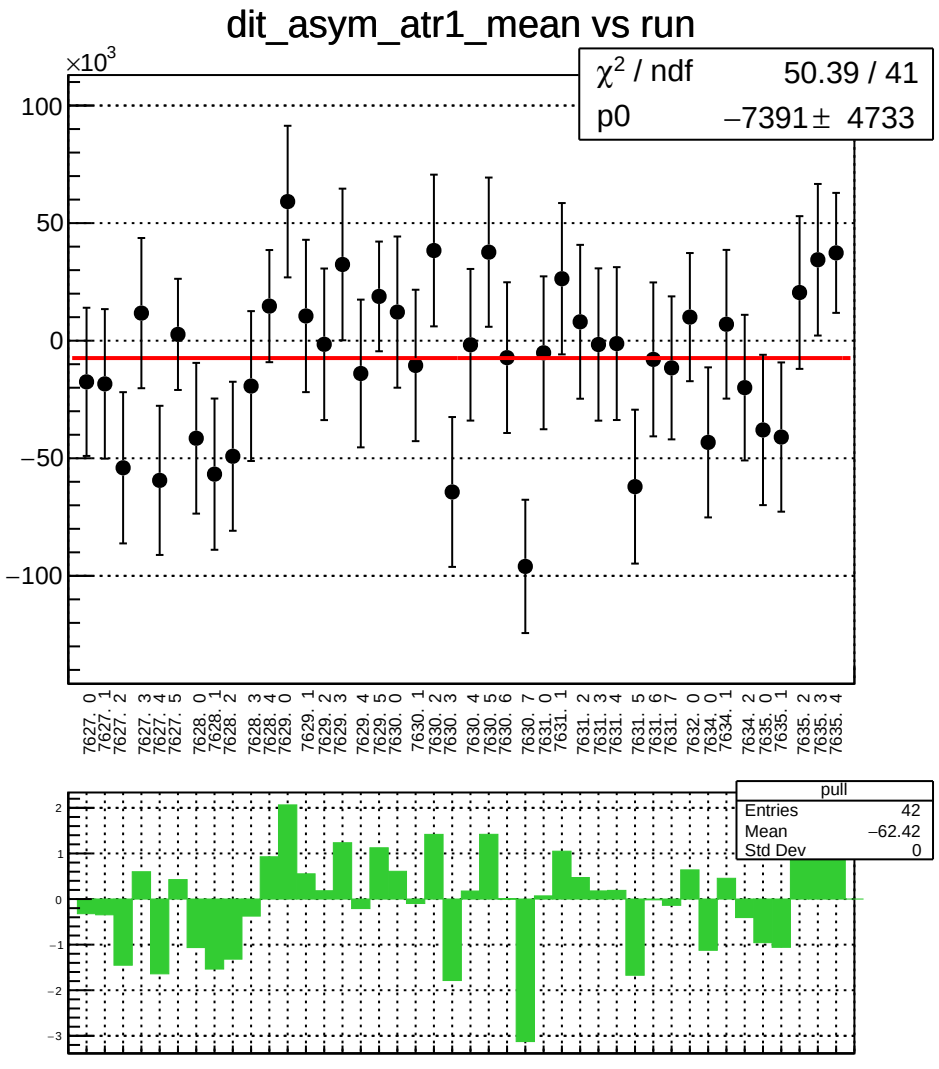
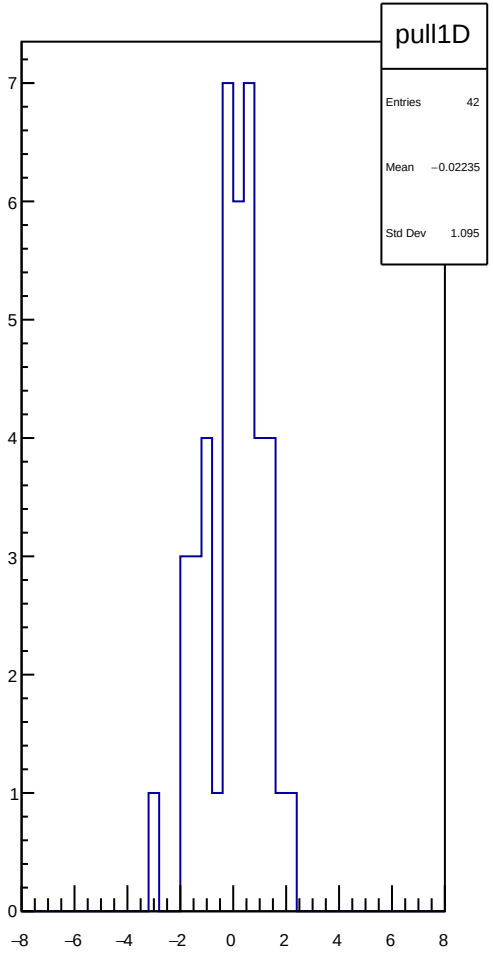
7635. 3
7635. 4

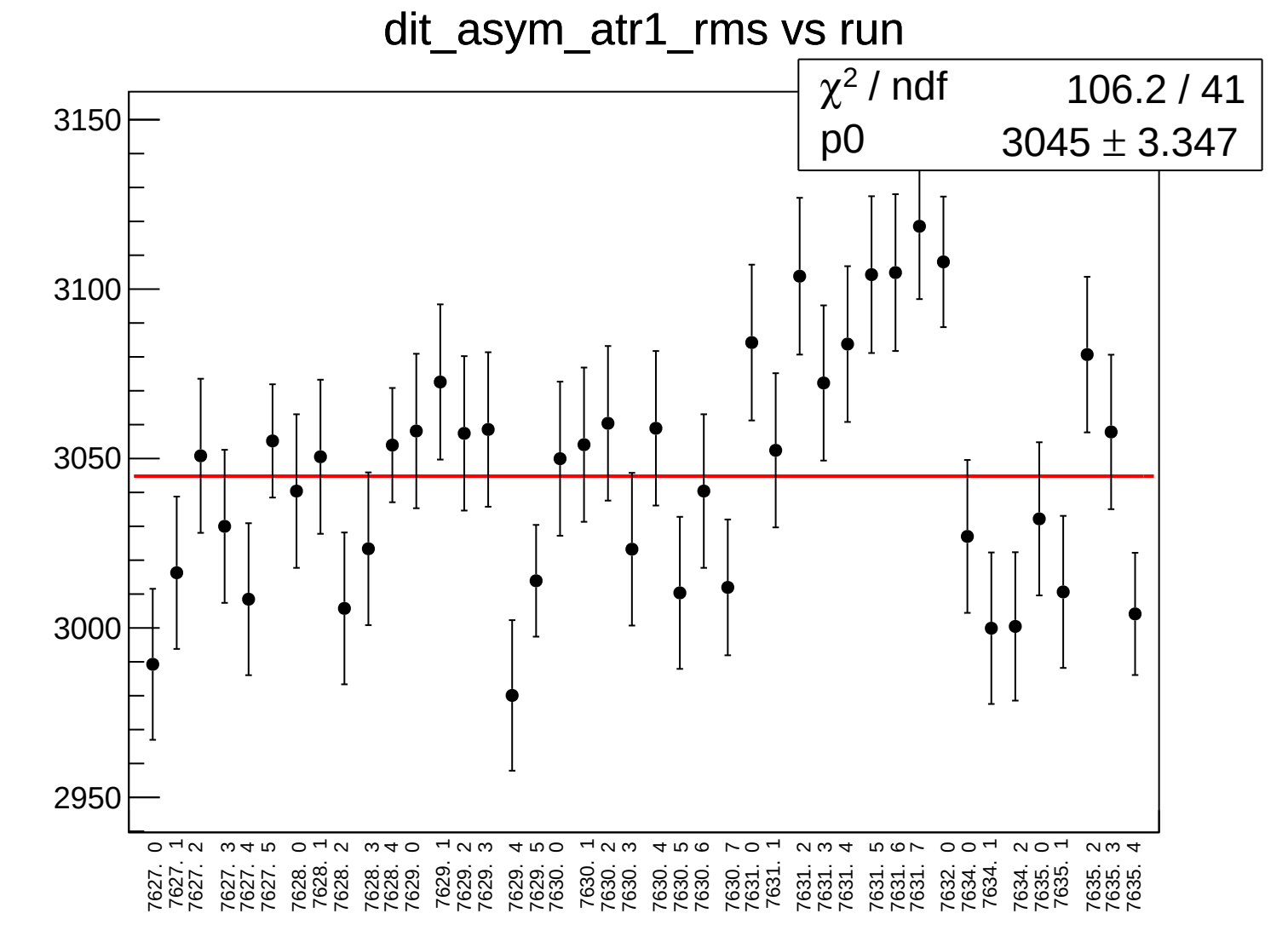

asym_atr1_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.09 / 41
p0 3442 ± 3066
pull
Entries 42
Mean 134
Std Dev 0

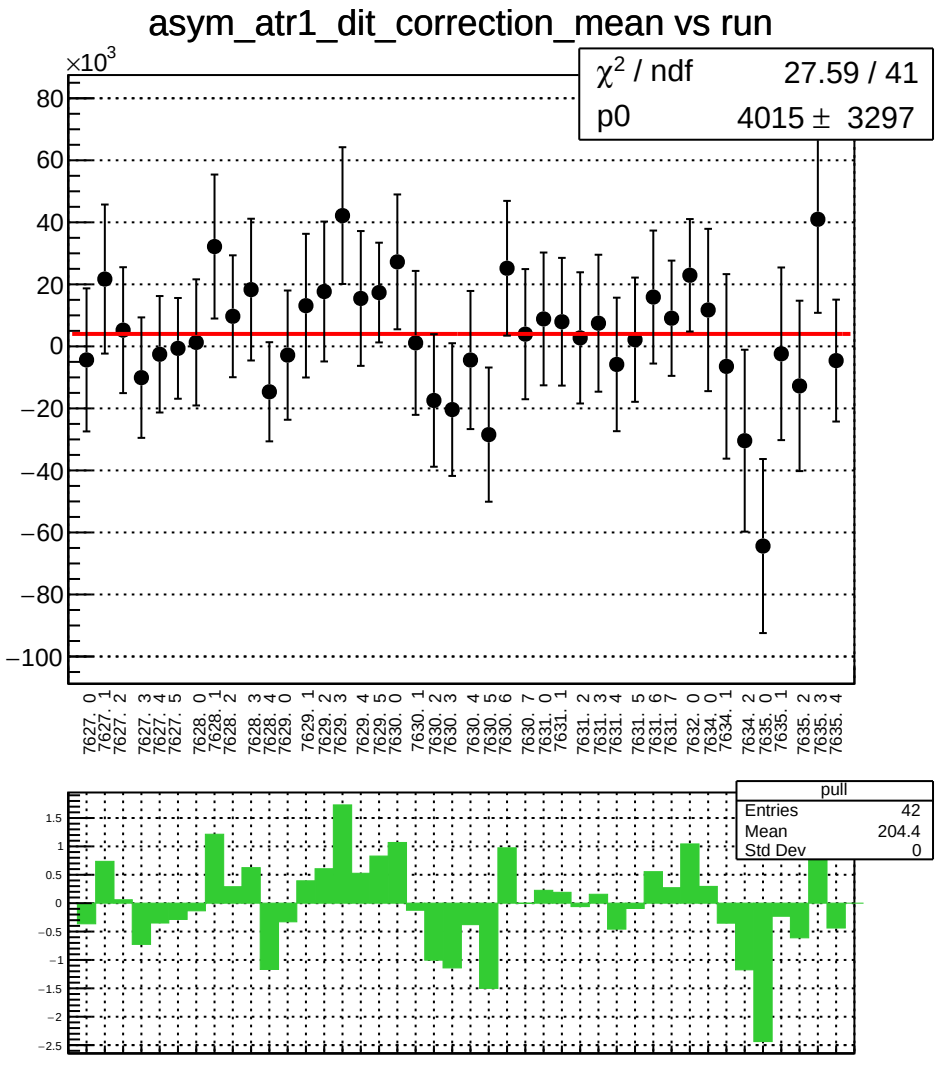

pull1D
Entries 42
Mean −0.01366
Std Dev 0.8322

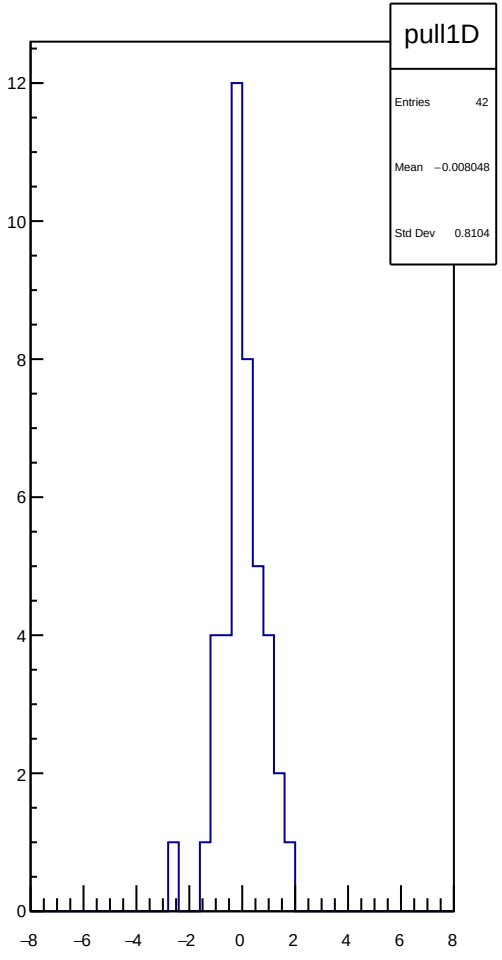

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 1.058e+04 / 41
p0 1960 ± 2.168
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

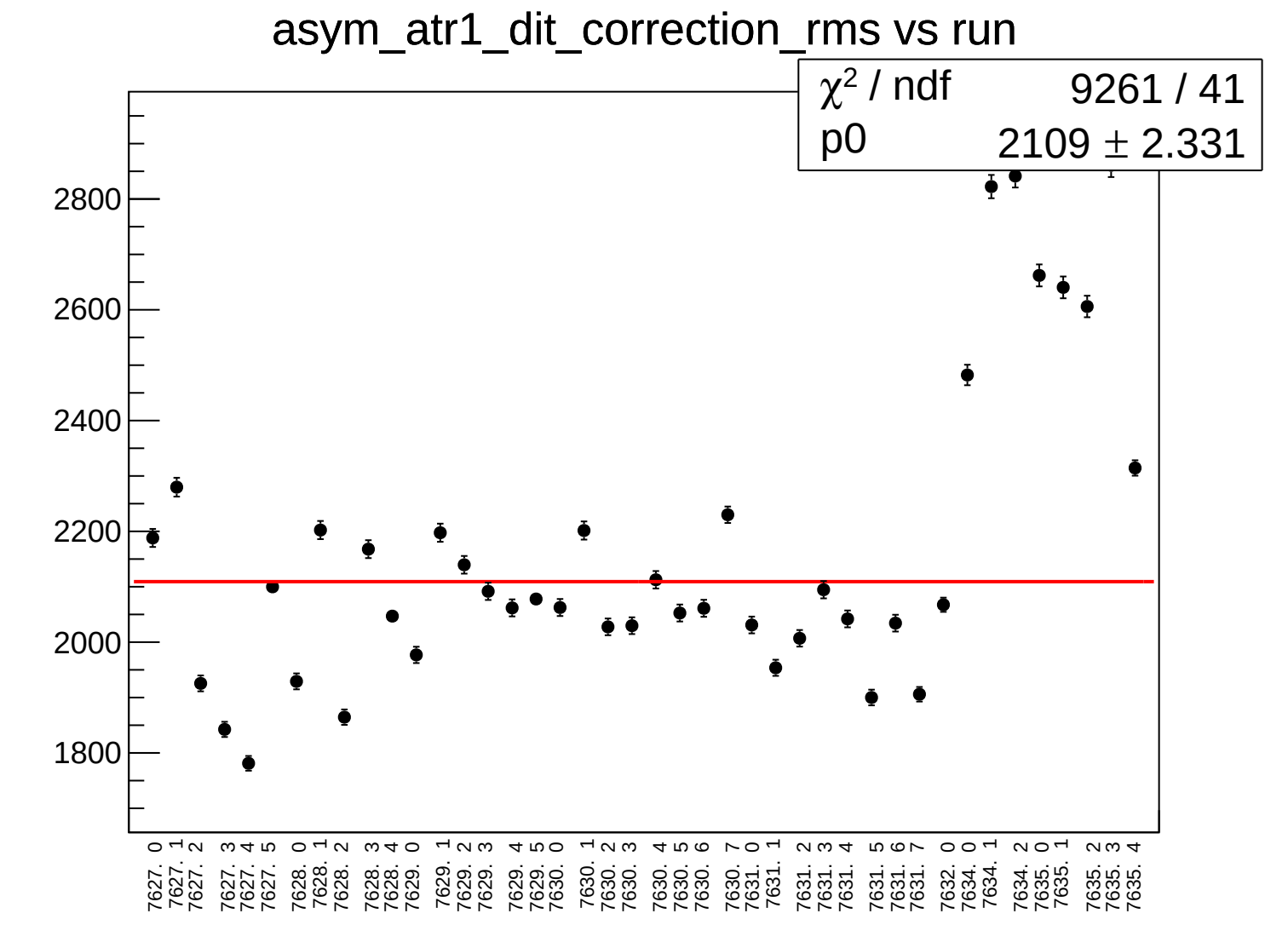

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 50.39 / 41
p0 −7391 ± 4733
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −62.42
Std Dev 0
2
1
0
−1
−2
−3

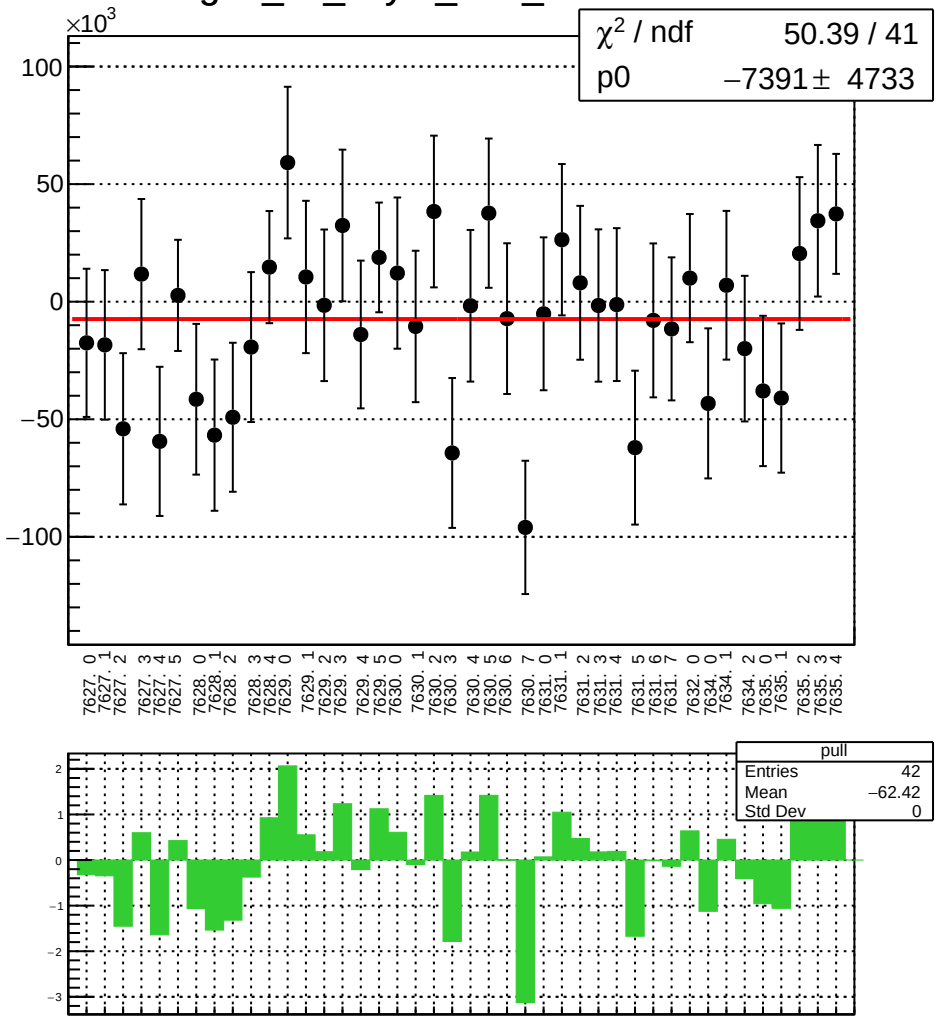

pull1D
Entries 42
Mean −0.02235
Std Dev 1.095
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1_rms vs run
χ² / ndf 106.2 / 41
p0 3045 ± 3.347
3150
3100
3050
3000
2950
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr1_dit_correction_mean vs run
×10^3
χ² / ndf 27.59 / 41
p0 4015 ± 3297
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 204.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean −0.008048
Std Dev 0.8104
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_dit_correction_rms vs run
χ² / ndf 9261 / 41
p0 2109 ± 2.331
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 50.39 / 41
p0 −7391 ± 4733
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
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7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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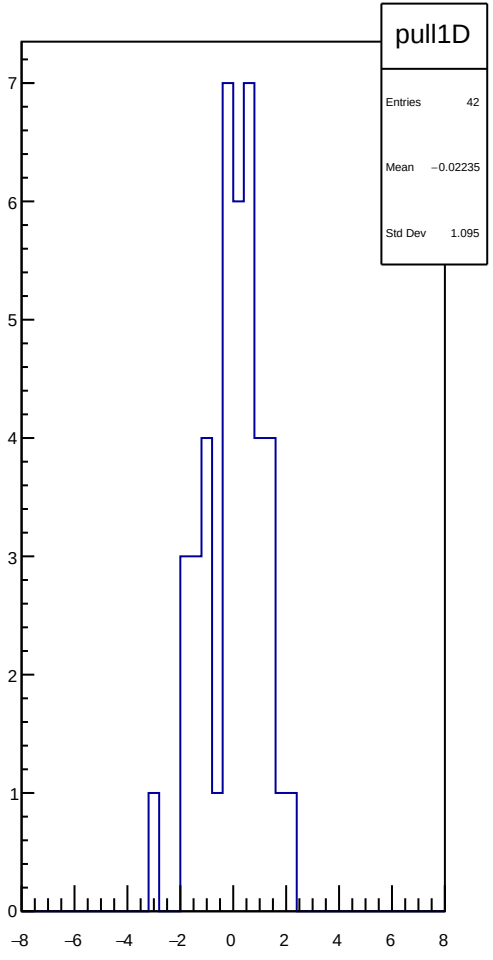
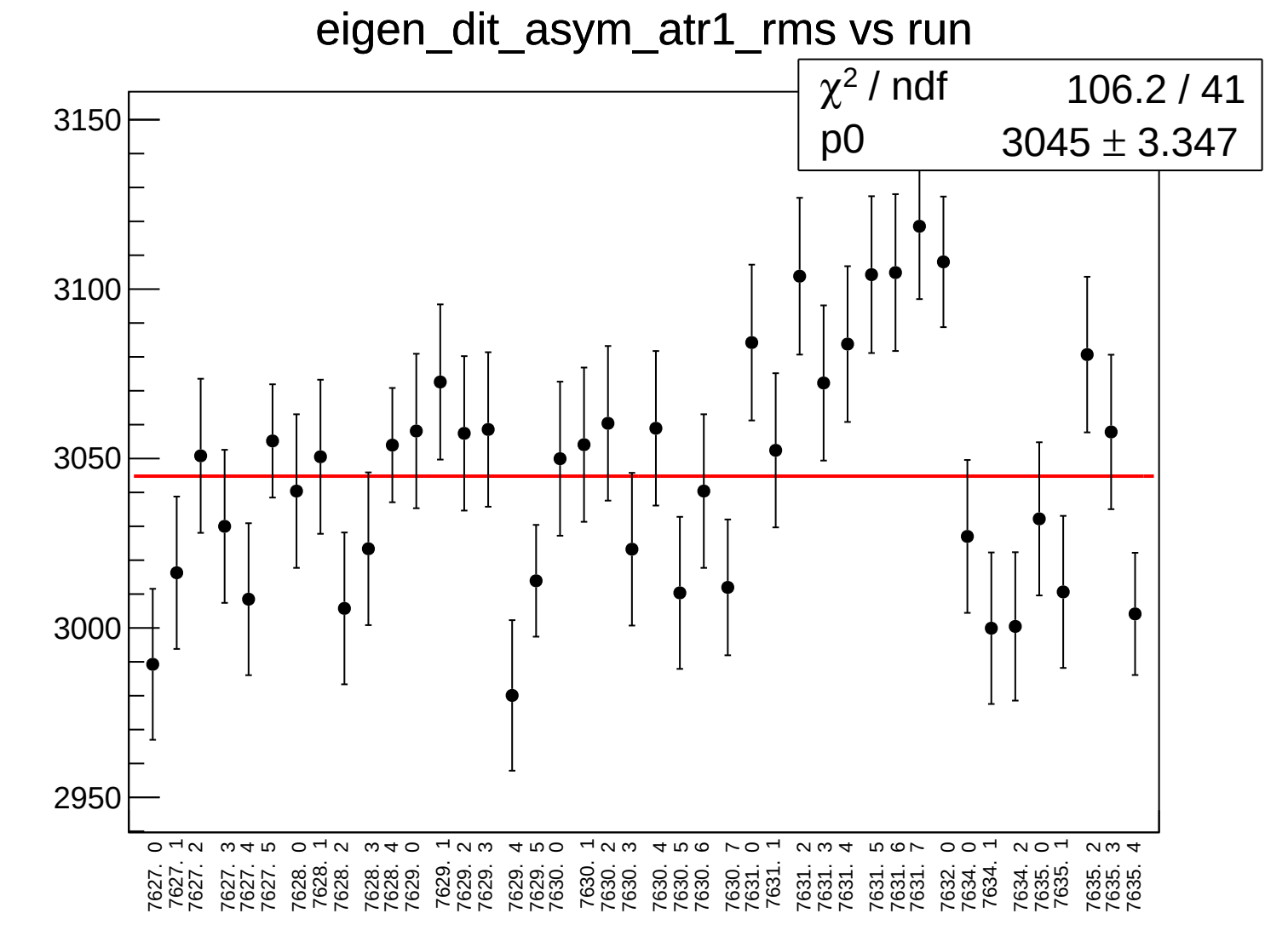
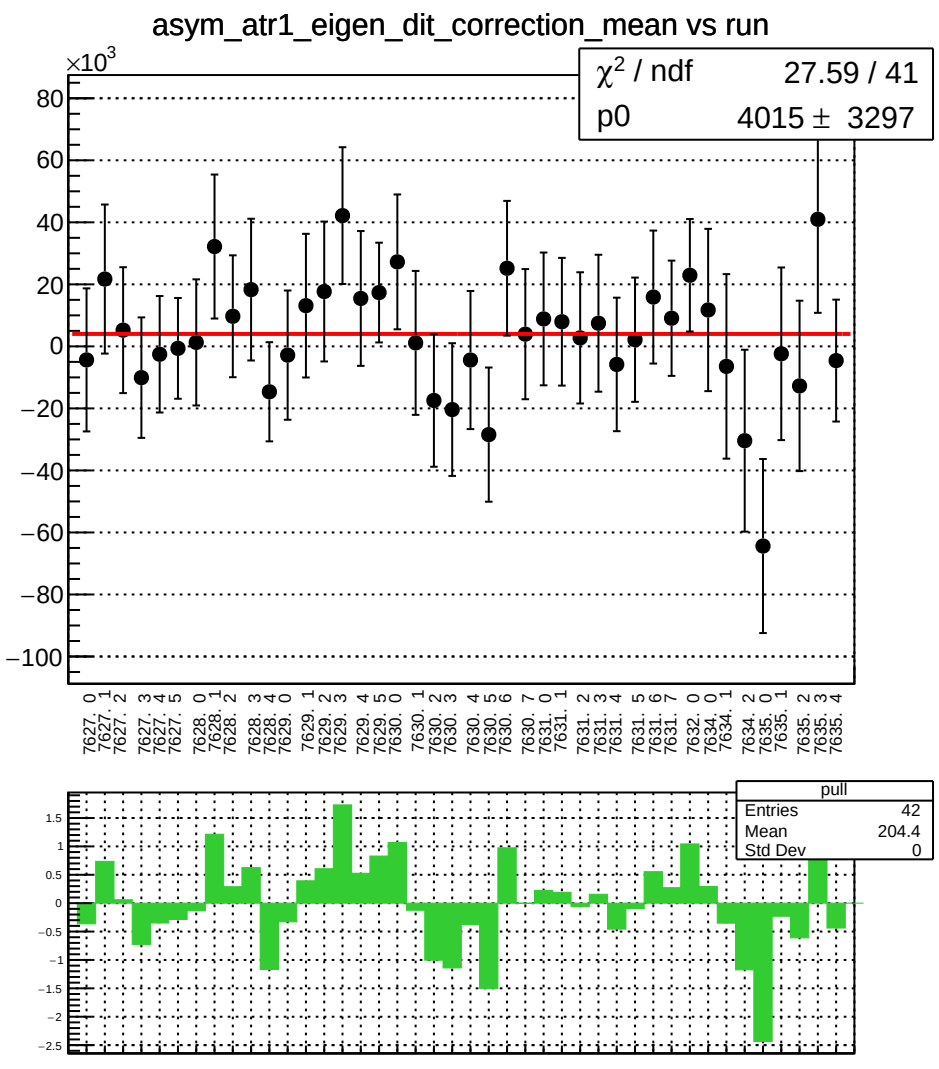
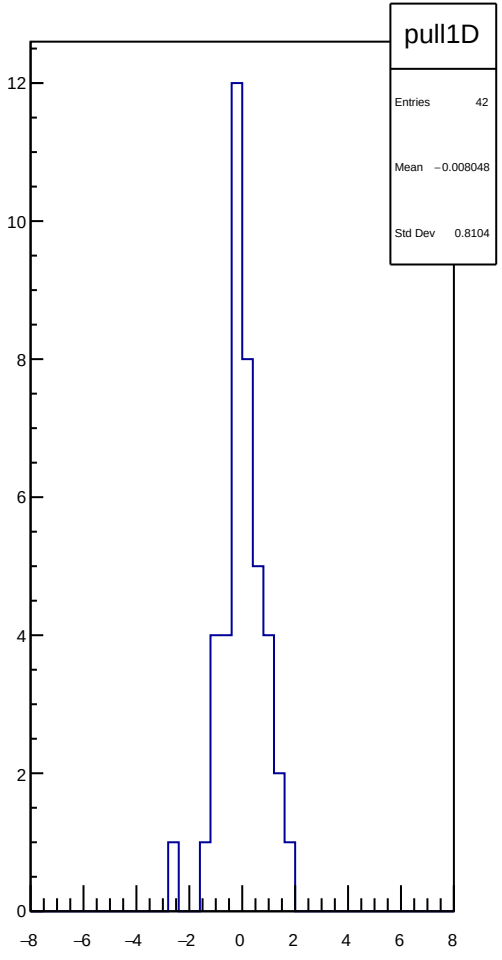
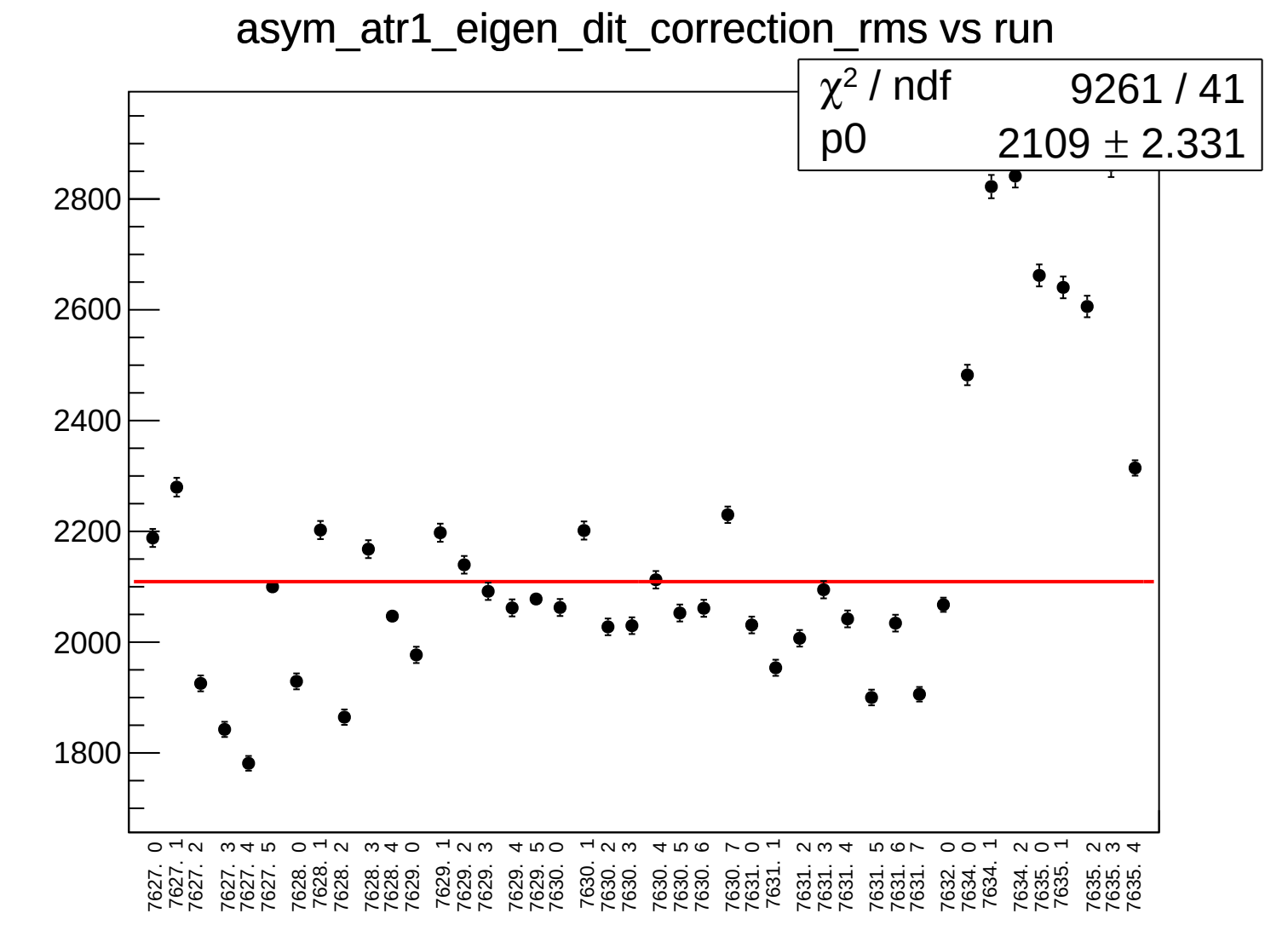
7635. 4
pull
Entries 42
Mean −62.42
Std Dev 0
2
1
0
−1
−2
−3

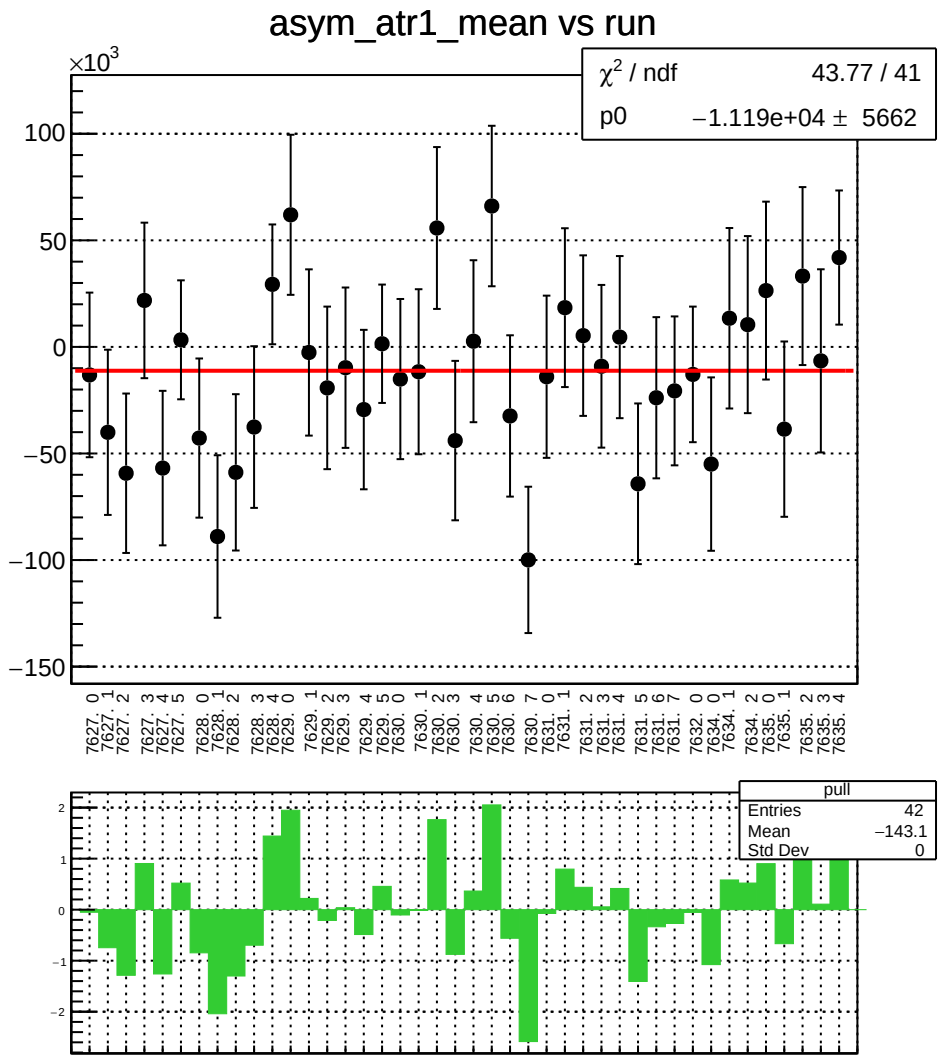

pull1D
Entries 42
Mean −0.02235
Std Dev 1.095
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

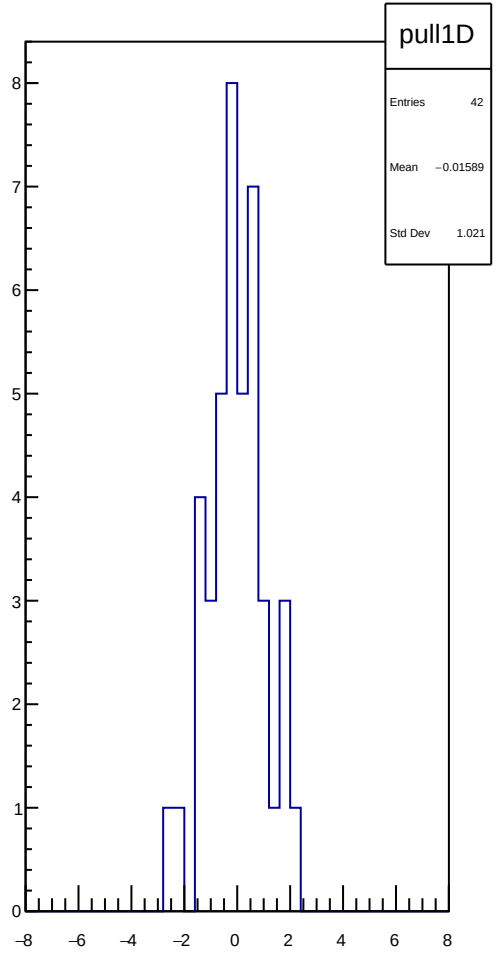

eigen_dit_asym_atr1_rms vs run
χ² / ndf 106.2 / 41
p0 3045 ± 3.347
3150
3100
3050
3000
2950
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

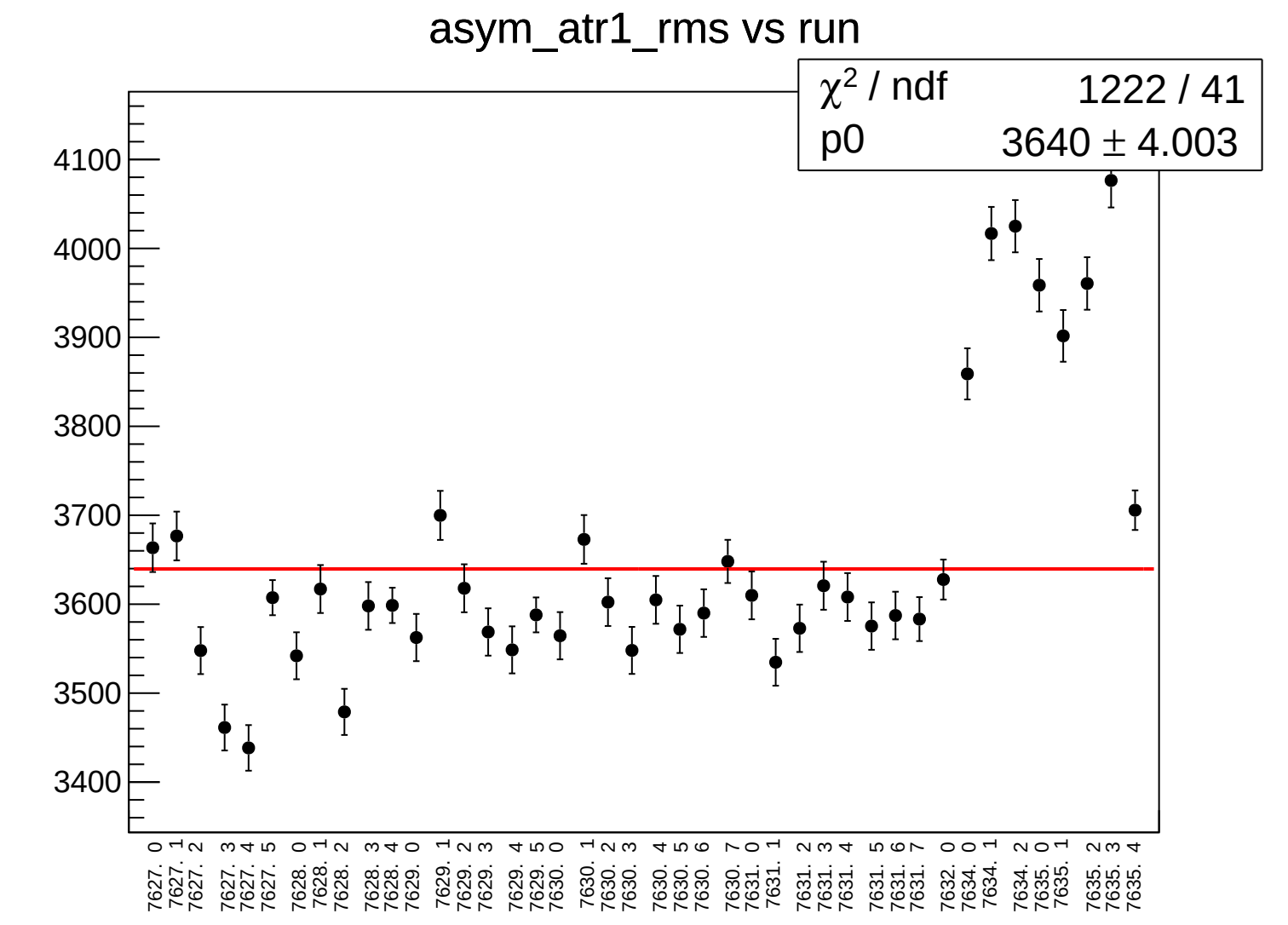

asym_atr1_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 27.59 / 41
p0 4015 ± 3297
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 204.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

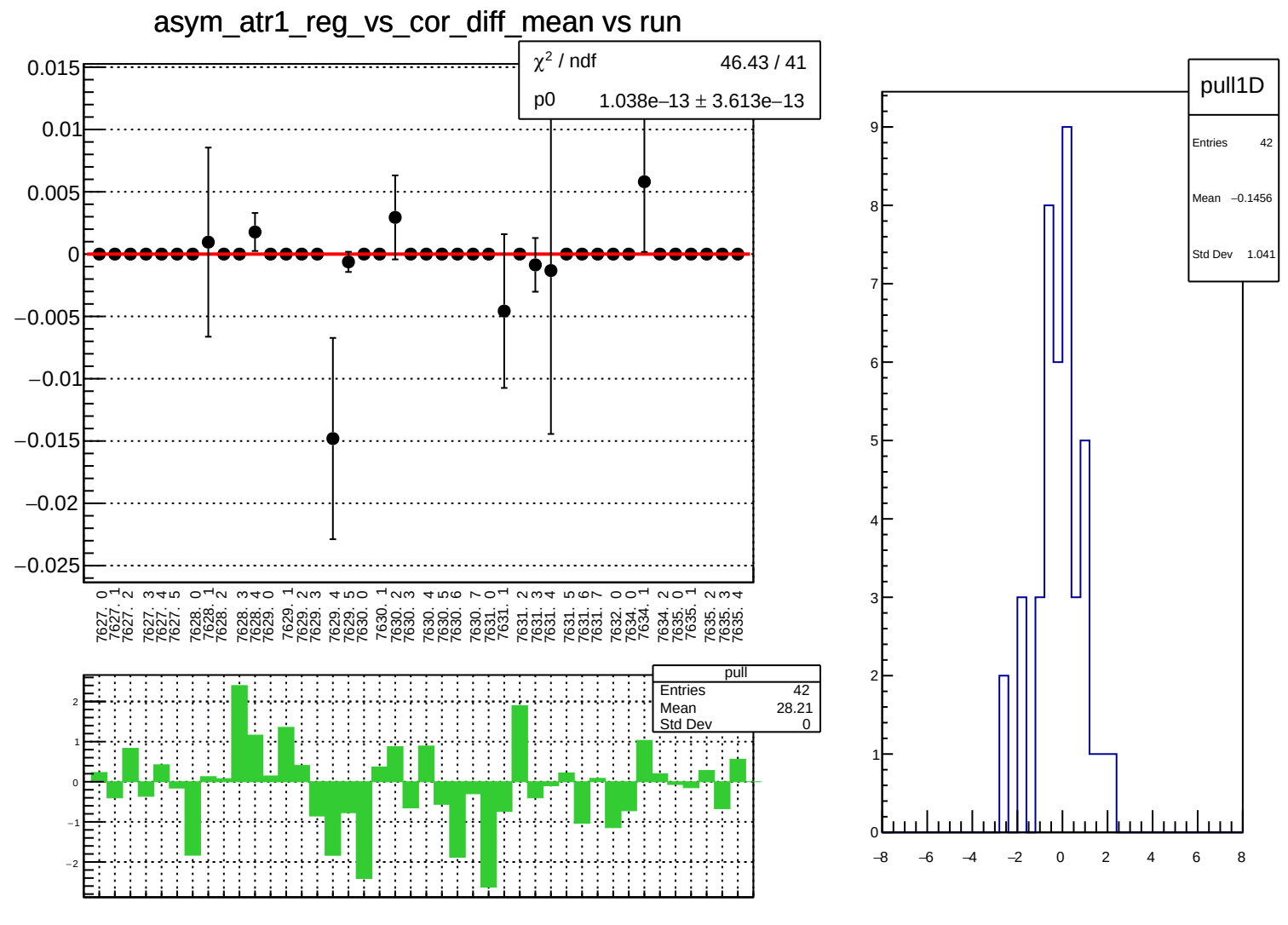

pull1D
Entries 42
Mean −0.008048
Std Dev 0.8104
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

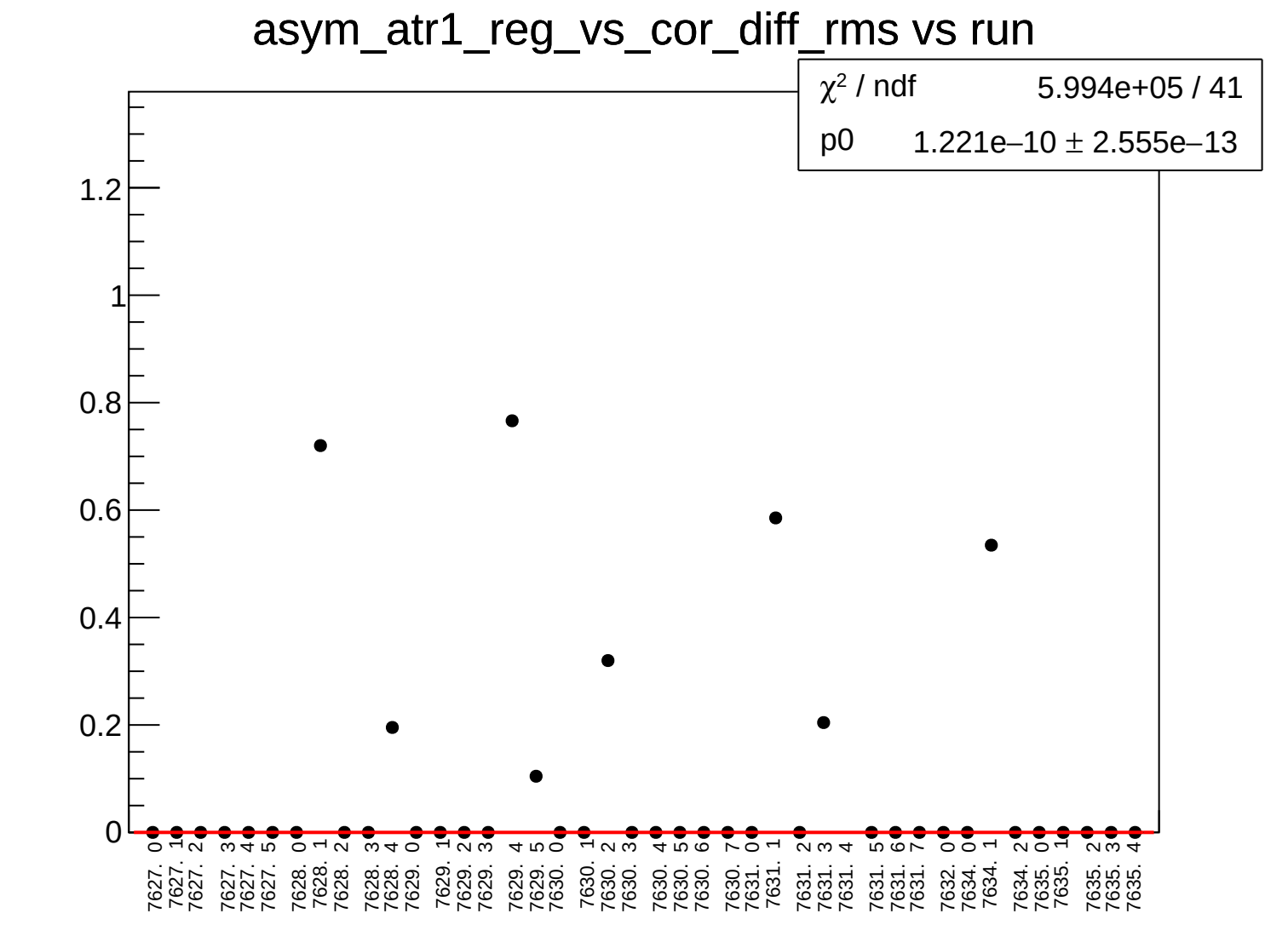

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 9261 / 41
p0 2109 ± 2.331
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

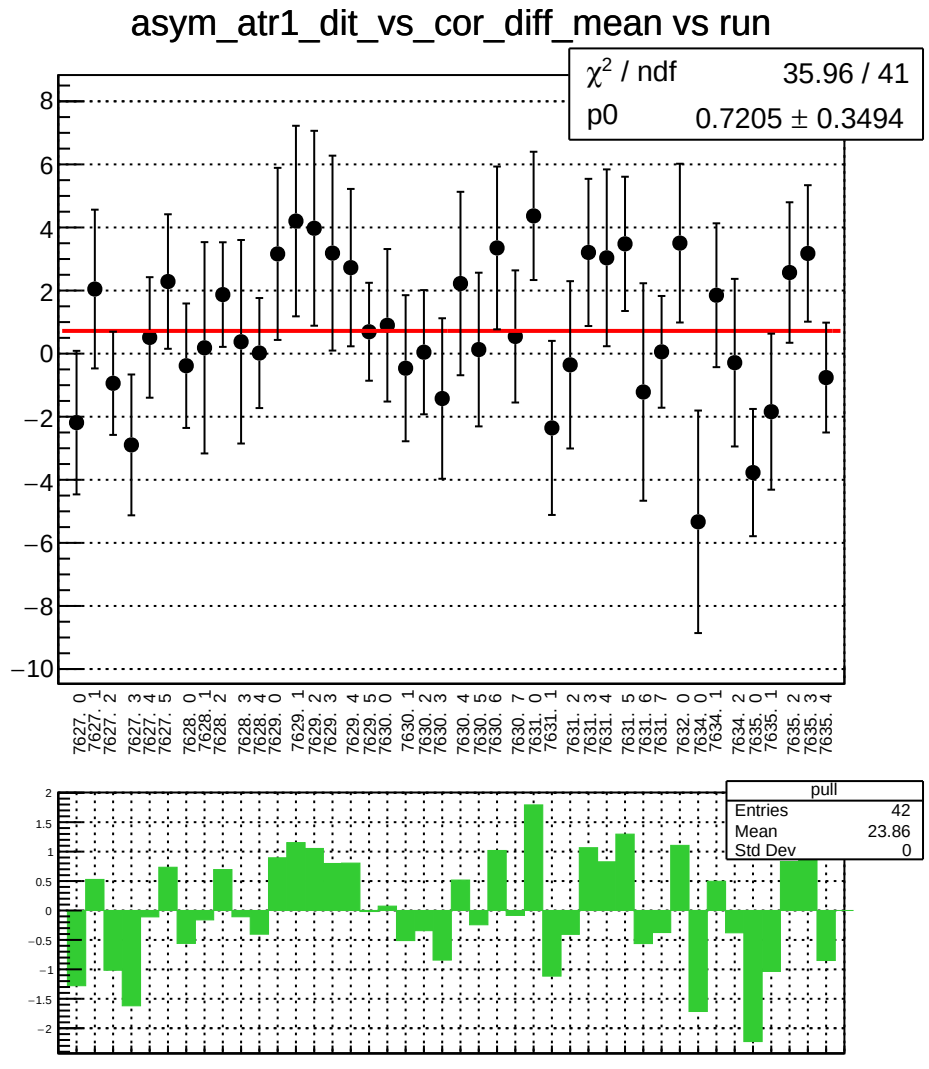

asym_atr1_mean vs run
×10^3
χ² / ndf 43.77 / 41
p0 −1.119e+04 ± 5662
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −143.1
Std Dev 0
2
1
0
−1
−2

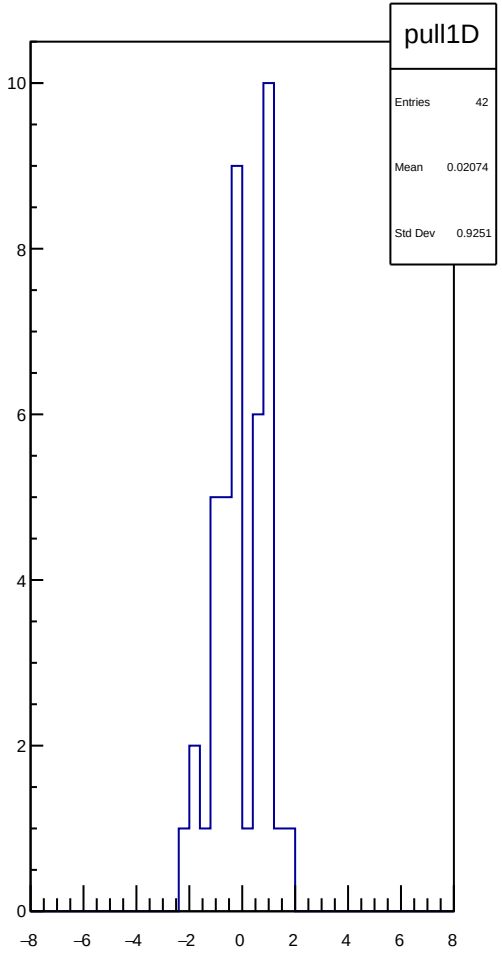

pull1D
Entries 42
Mean −0.01589
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

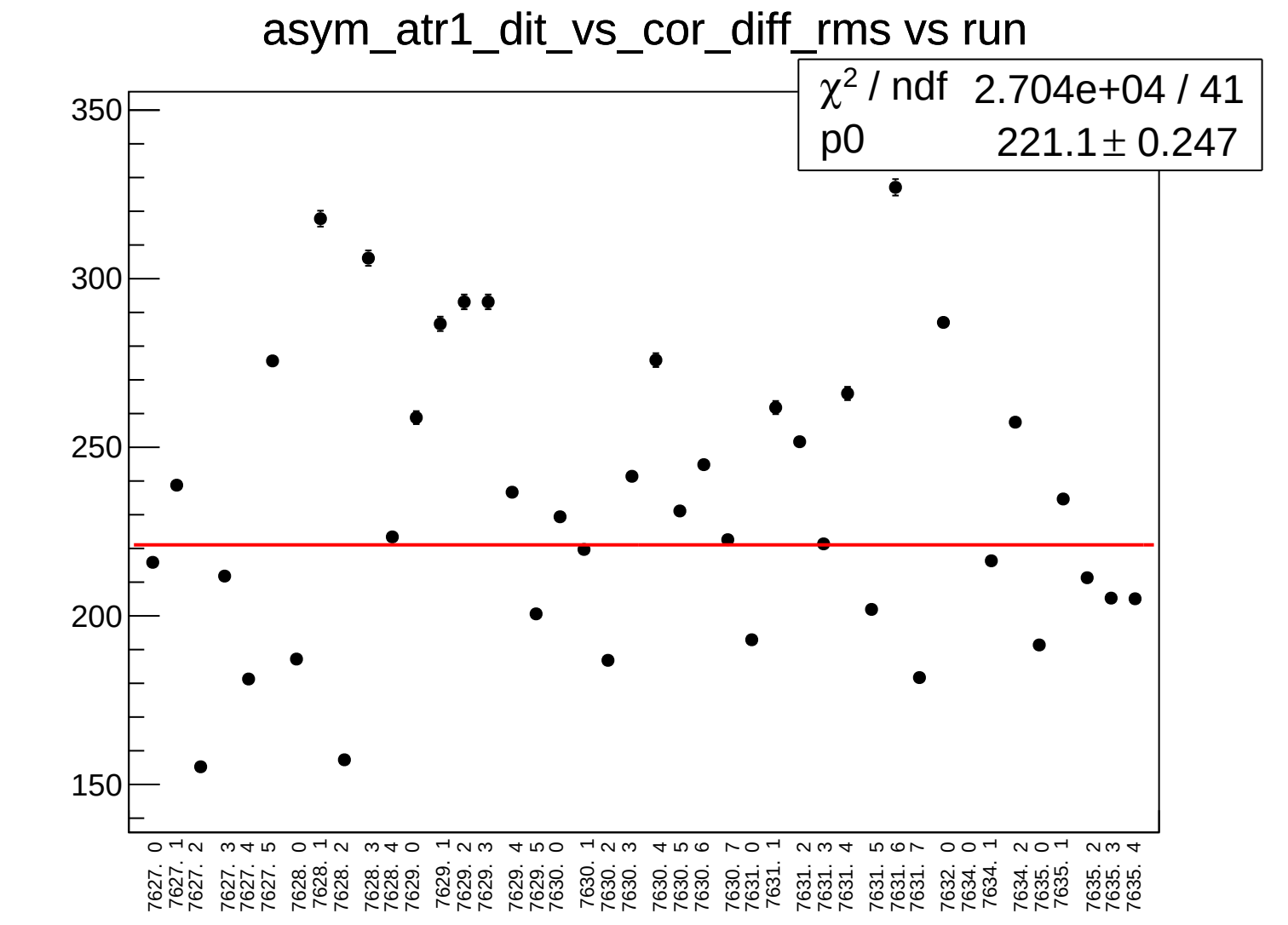

asym_atr1_rms vs run
χ² / ndf 1222 / 41
p0 3640 ± 4.003
4100
4000
3900
3800
3700
3600
3500
3400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 46.43 / 41
p0 1.038e−13 ± 3.613e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 28.21
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.1456
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

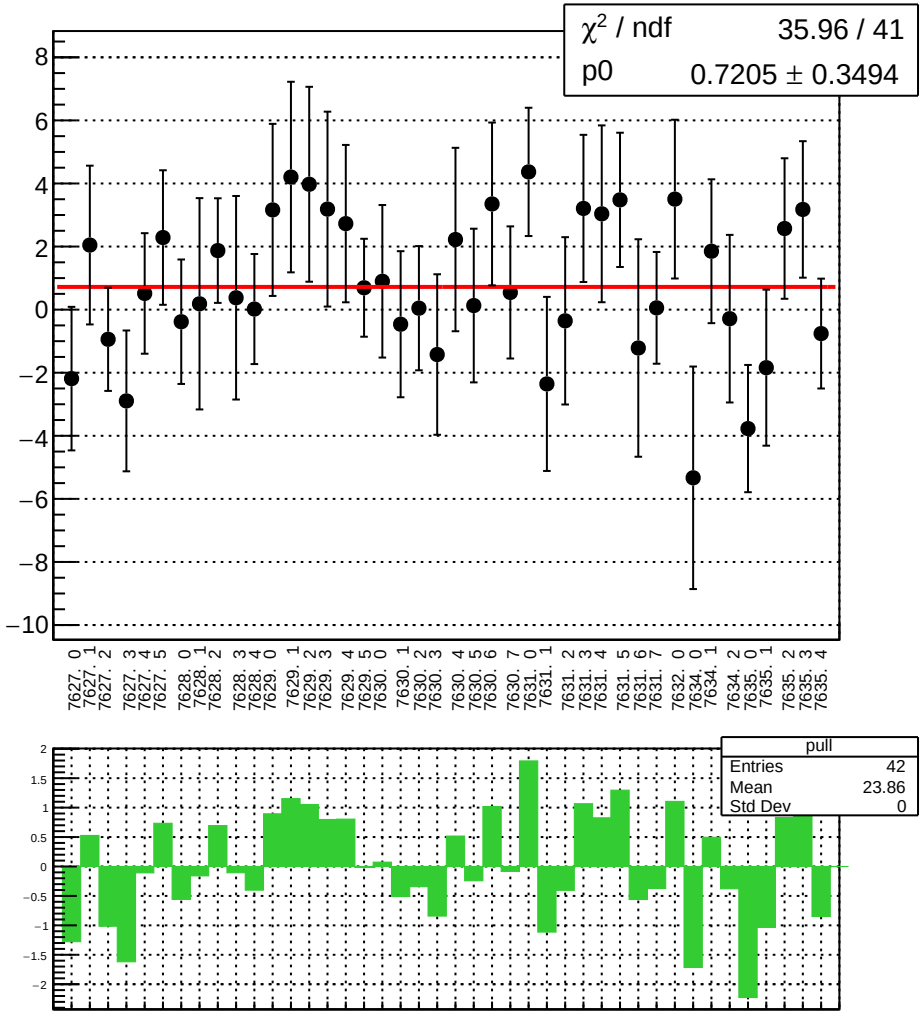

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.994e+05 / 41
p0 1.221e−10 ± 2.555e−13
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

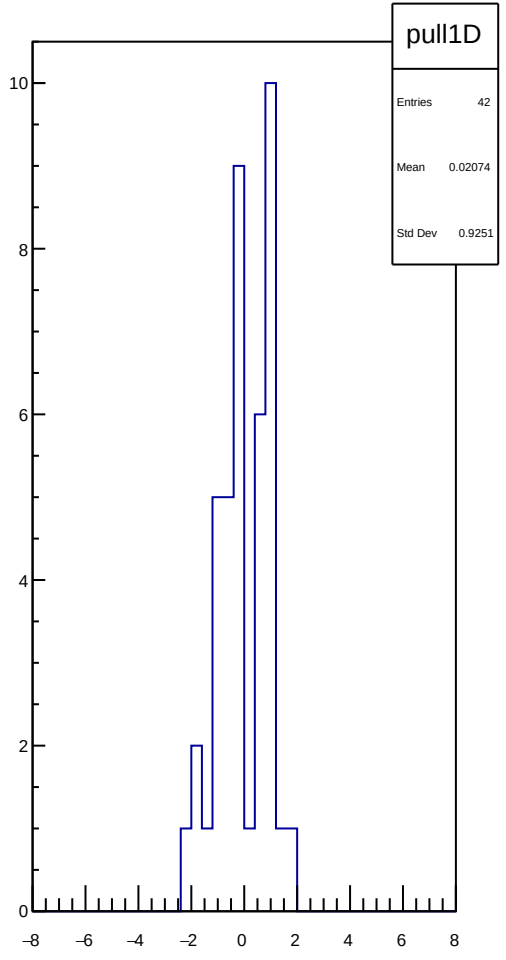

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 35.96 / 41
p0 0.7205 ± 0.3494
pull
Entries 42
Mean 23.86
Std Dev 0

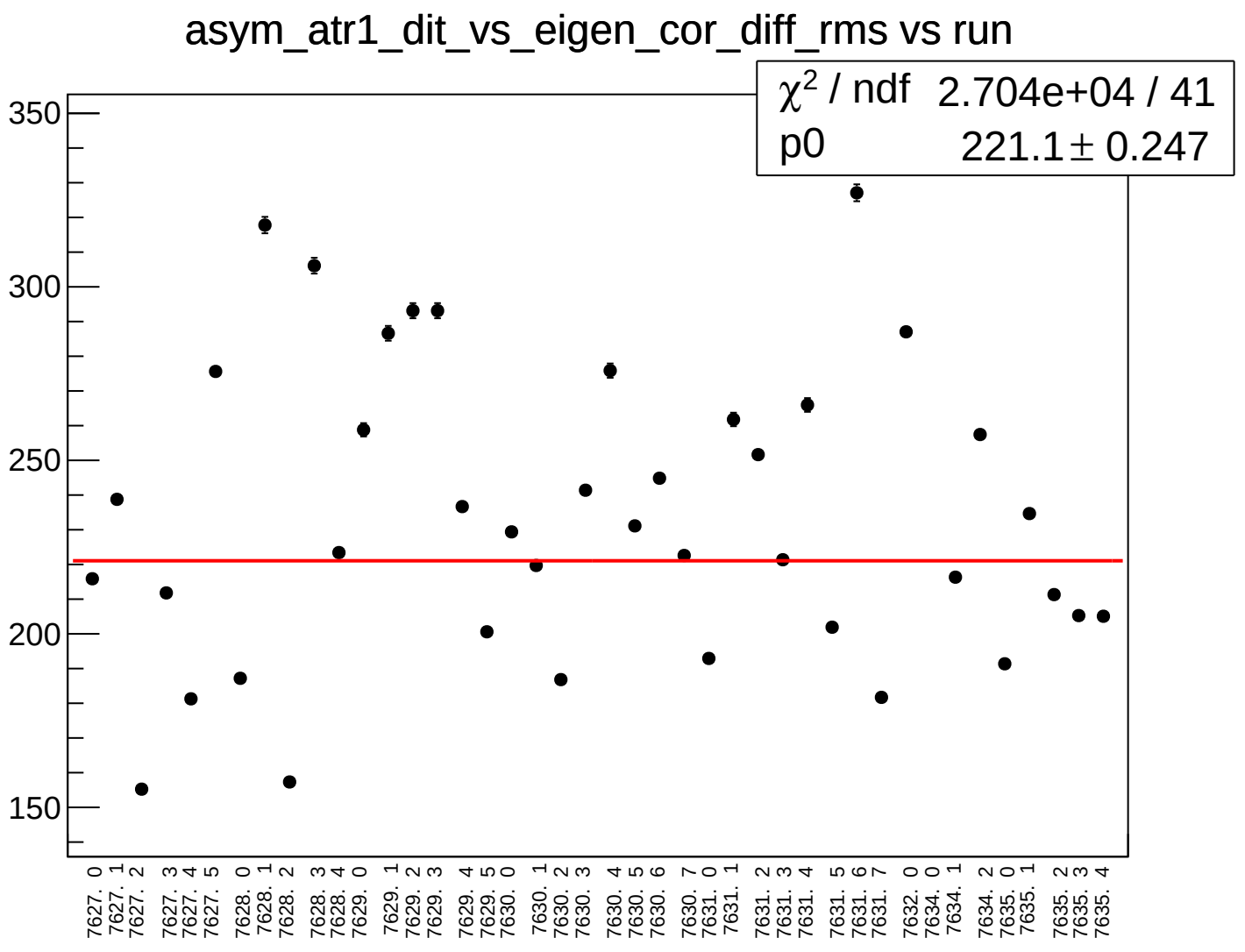

pull1D
Entries 42
Mean 0.02074
Std Dev 0.9251

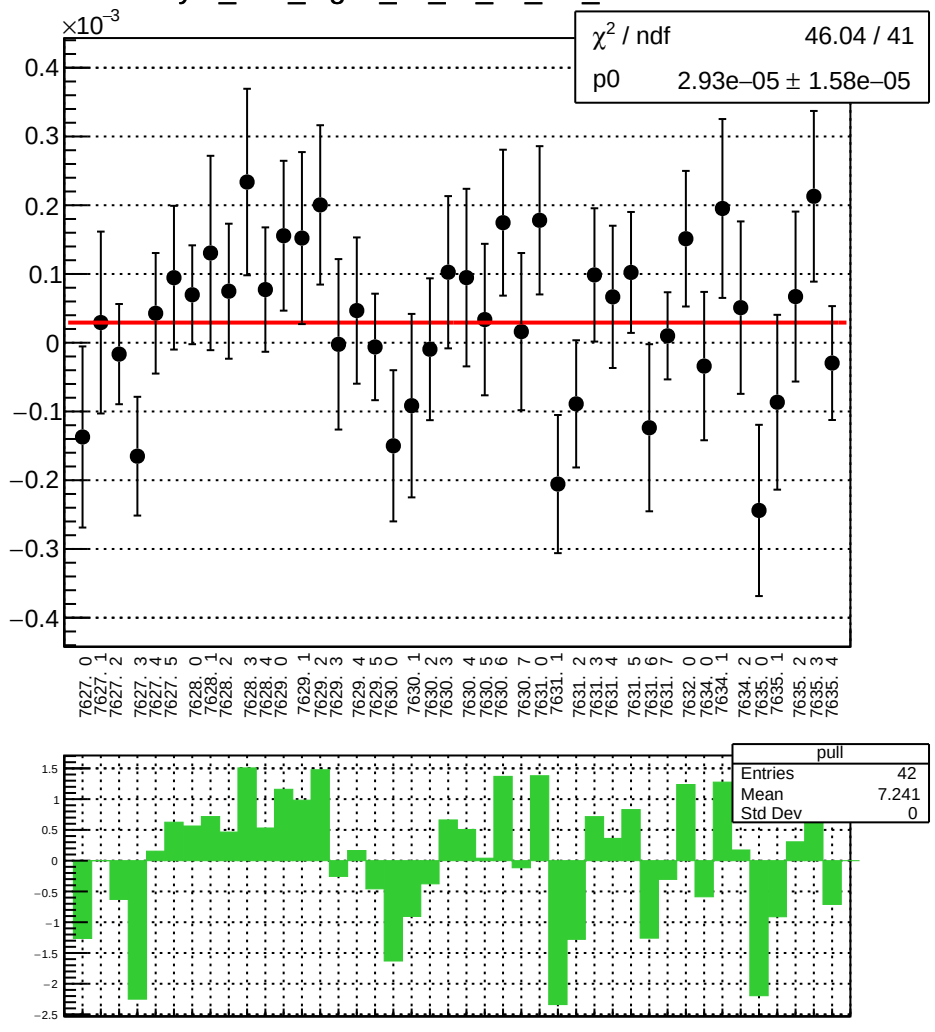

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.704e+04 / 41
p0 221.1 ± 0.247
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

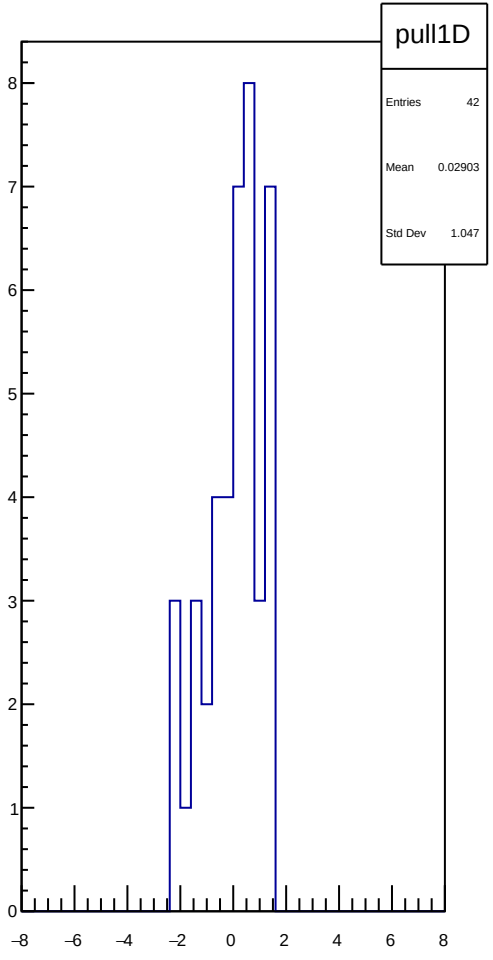
asym_atr1_dit_vs_eigen_cor_diff_mean vs run

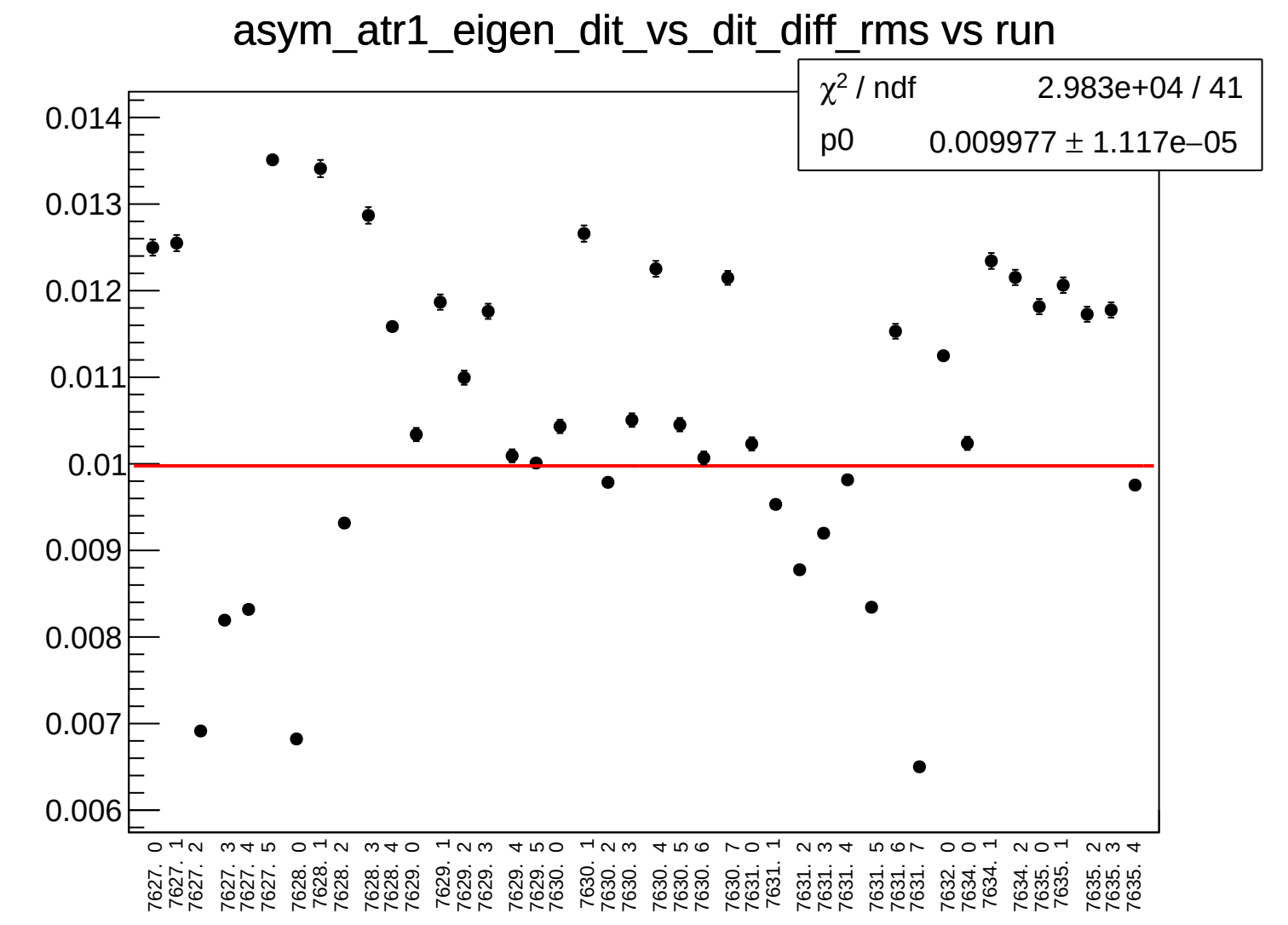


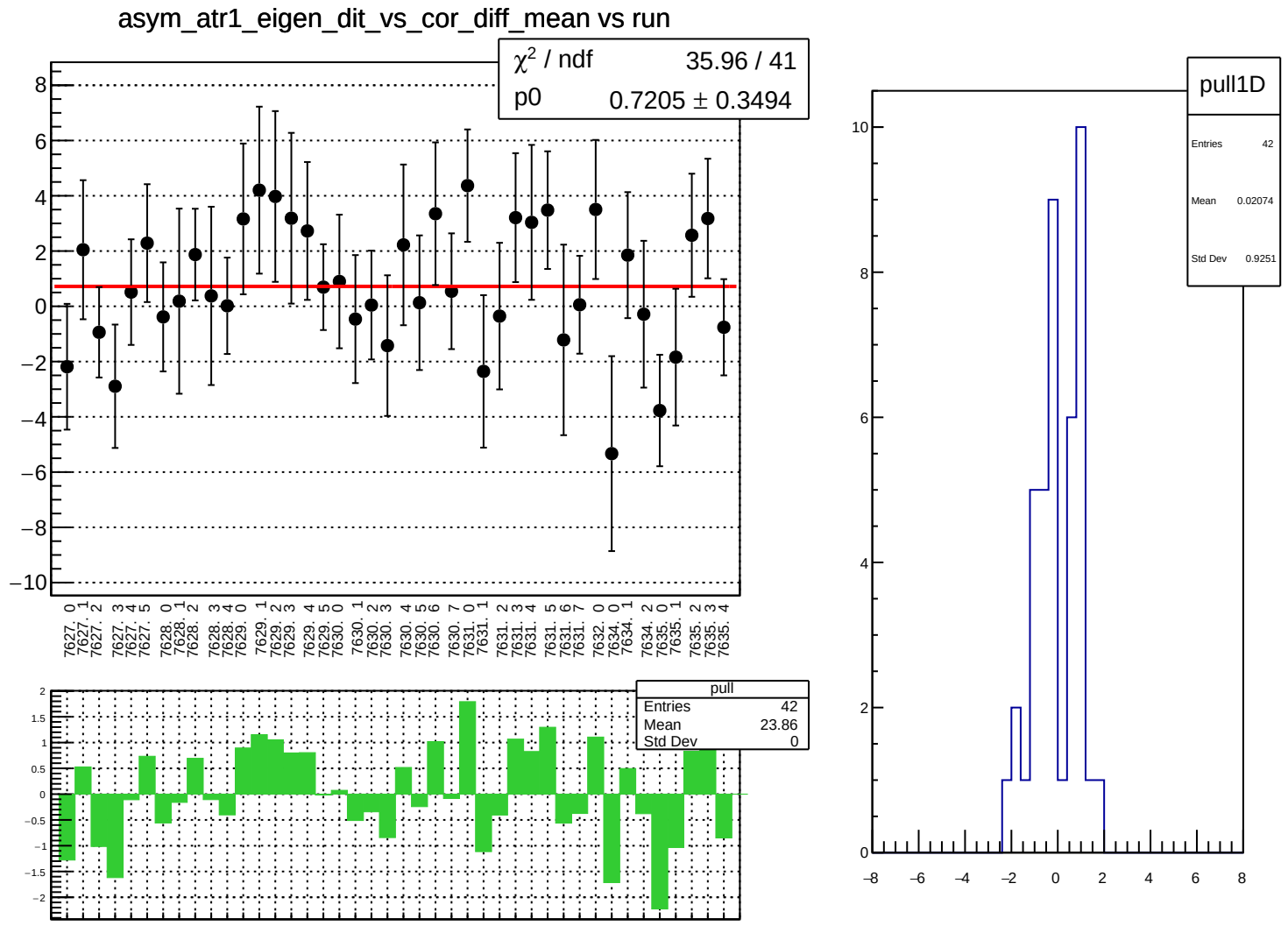


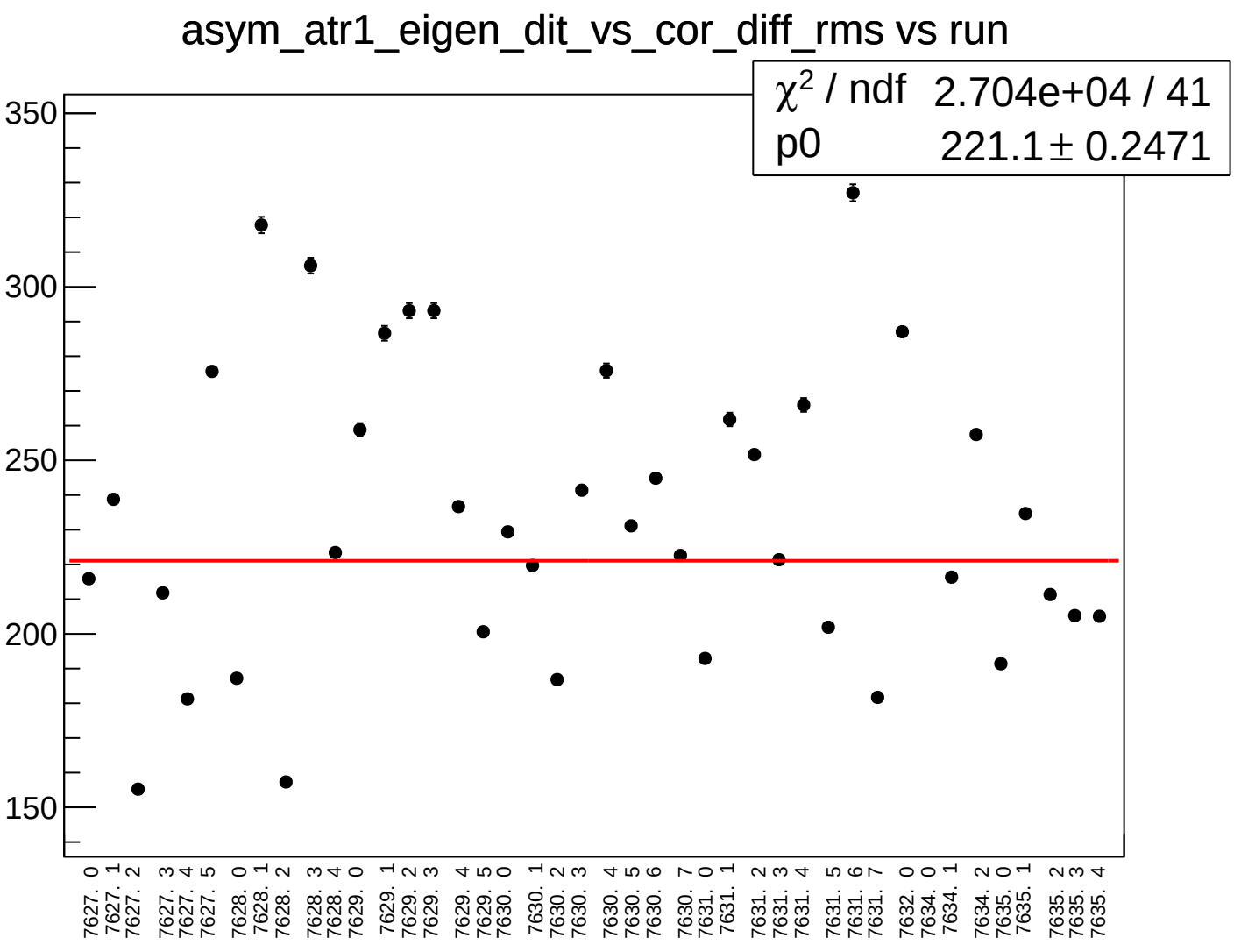

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.704e+04 / 41
p0 221.1 ± 0.247
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

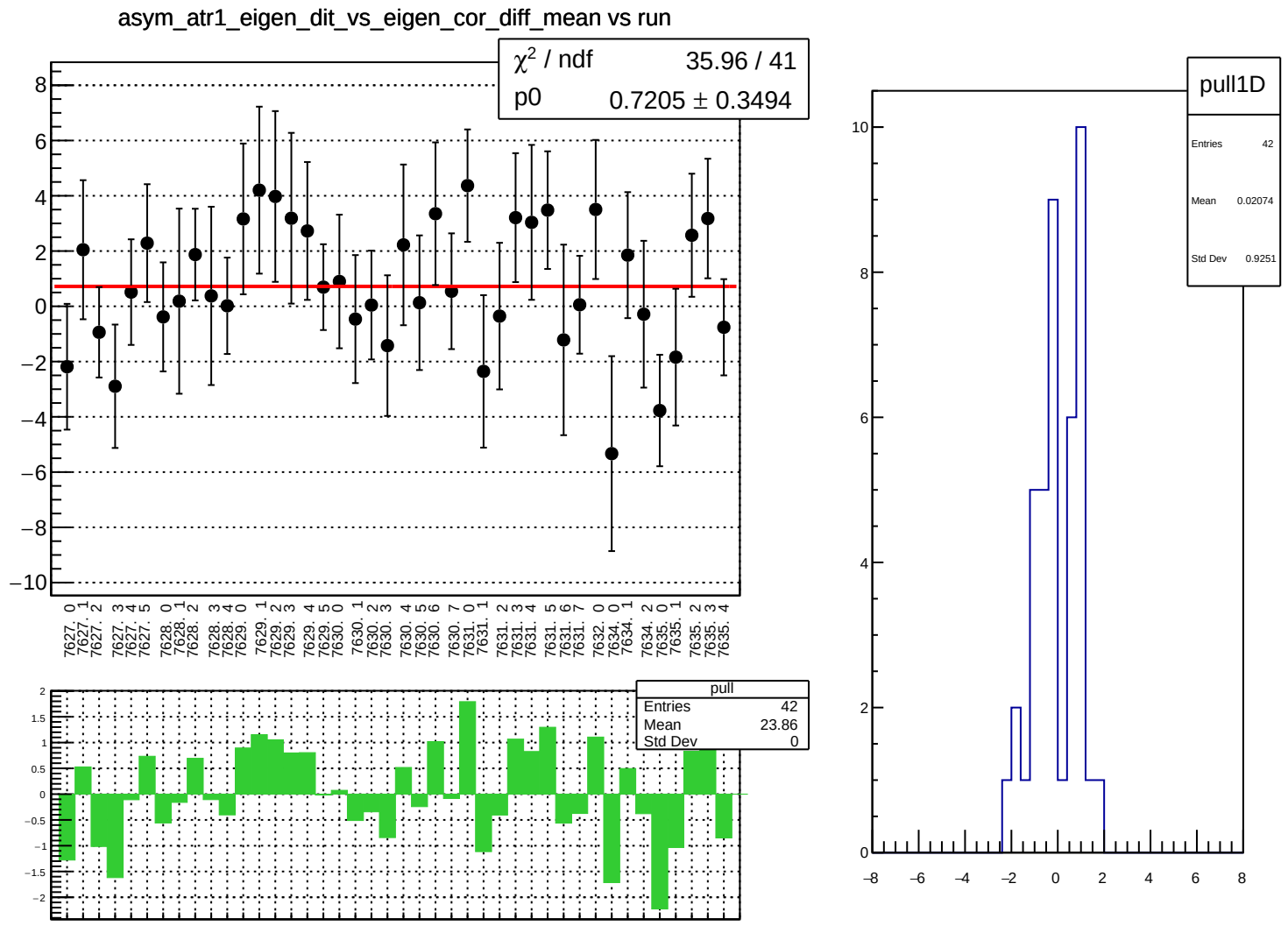

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.04 / 41
p0 2.93e−05 ± 1.58e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.241
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

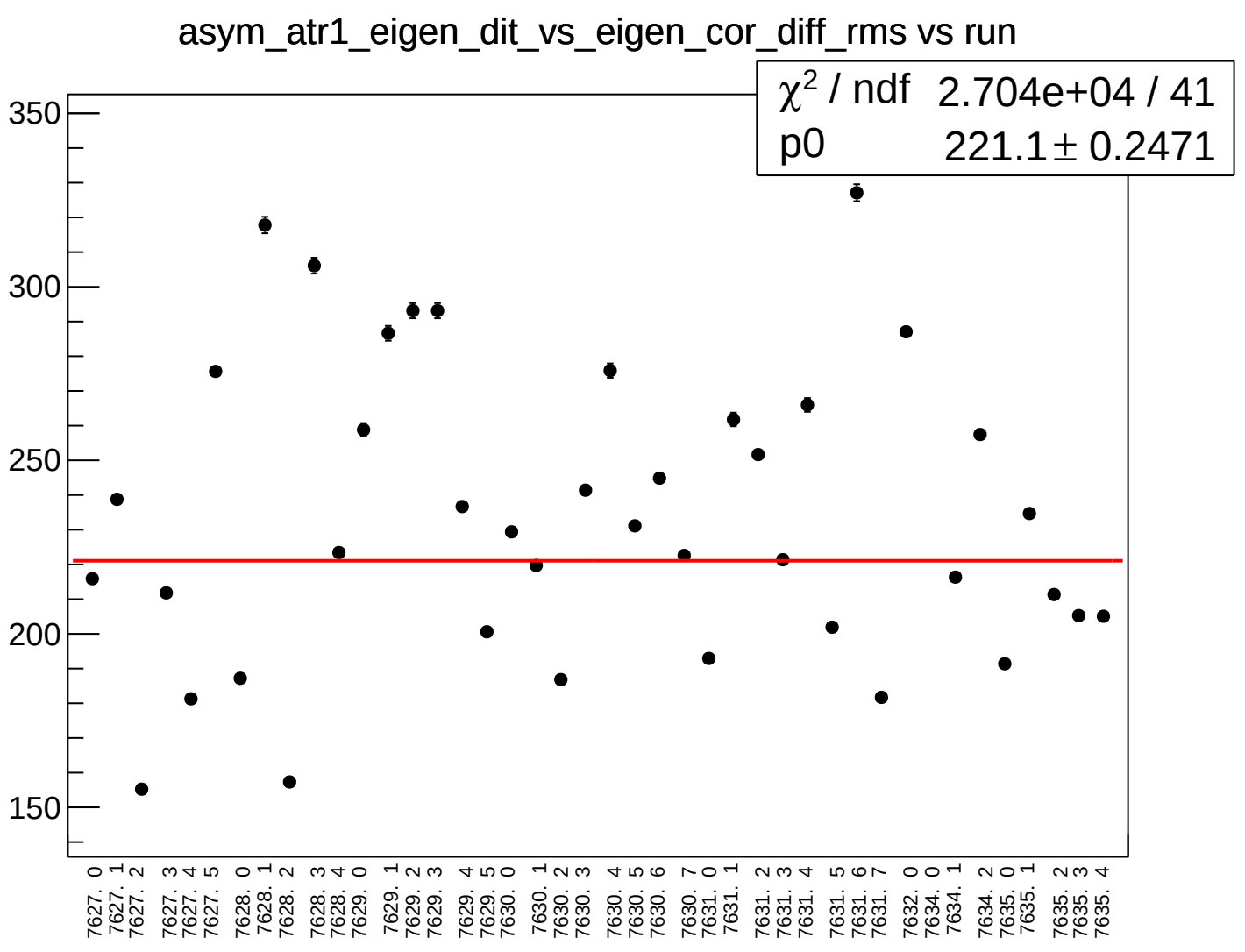

pull1D
Entries 42
Mean 0.02903
Std Dev 1.047
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

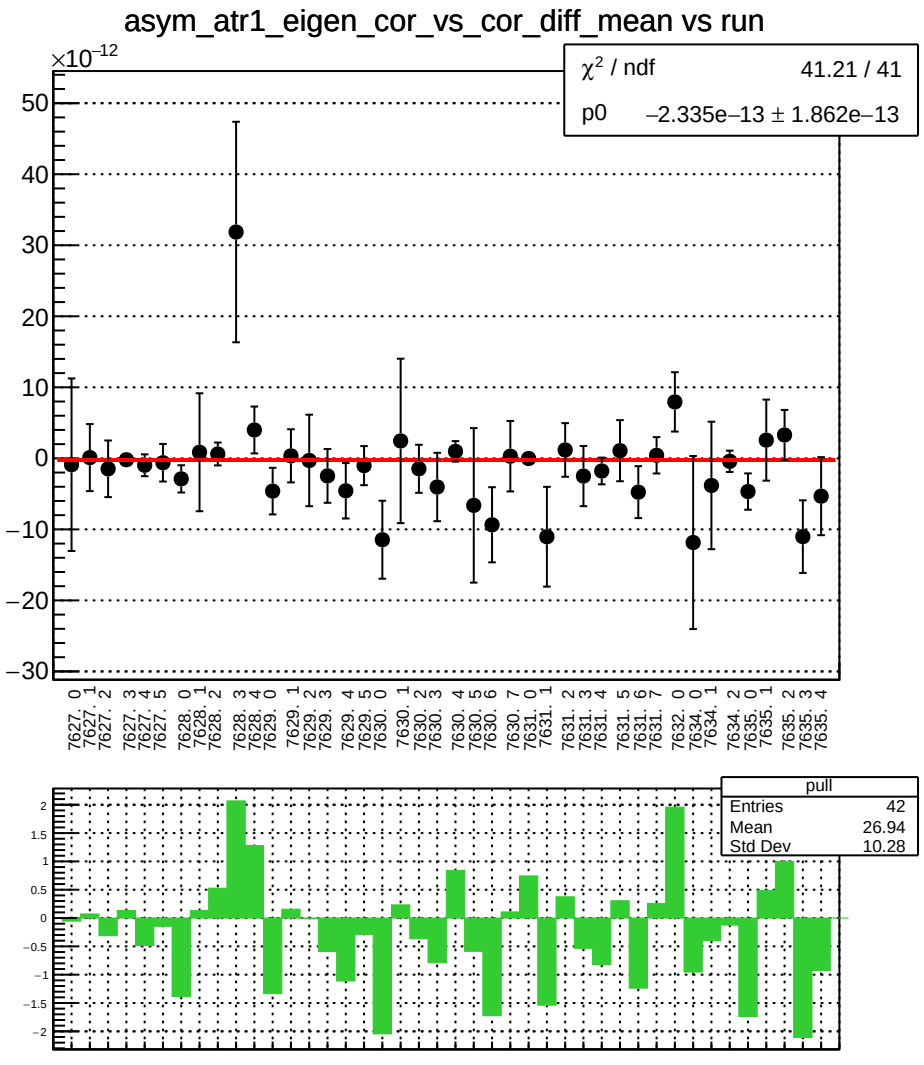

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.983e+04 / 41
p0 0.009977 ± 1.117e−05
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

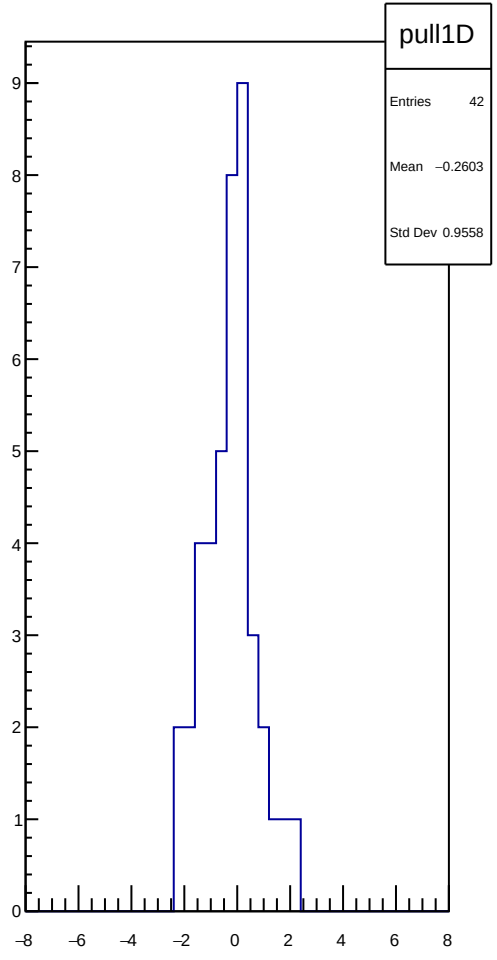

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.96 / 41
p0 0.7205 ± 0.3494
pull
Entries 42
Mean 23.86
Std Dev 0
pull1D
Entries 42
Mean 0.02074
Std Dev 0.9251

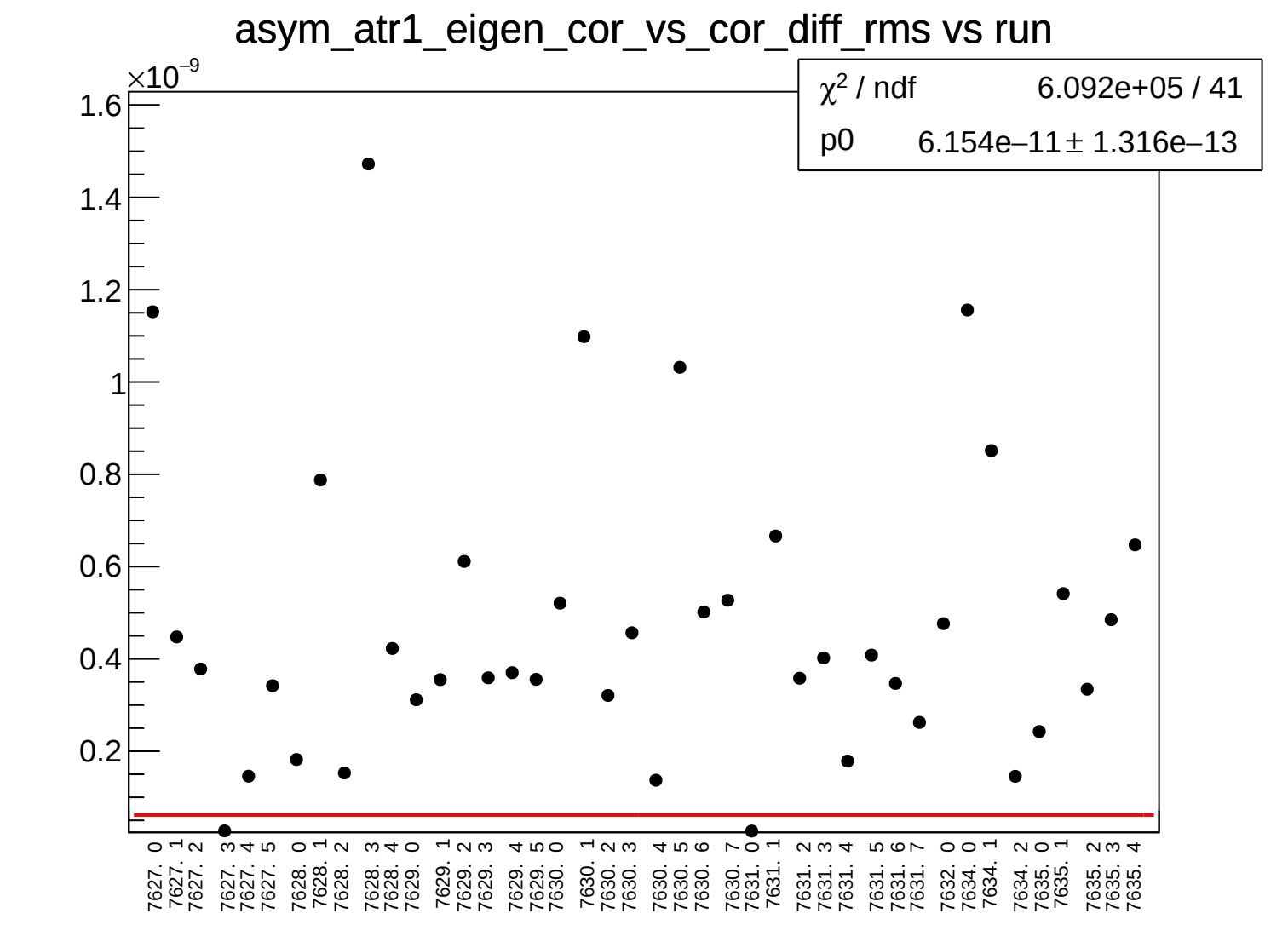

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.704e+04 / 41
p0 221.1 ± 0.2471
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

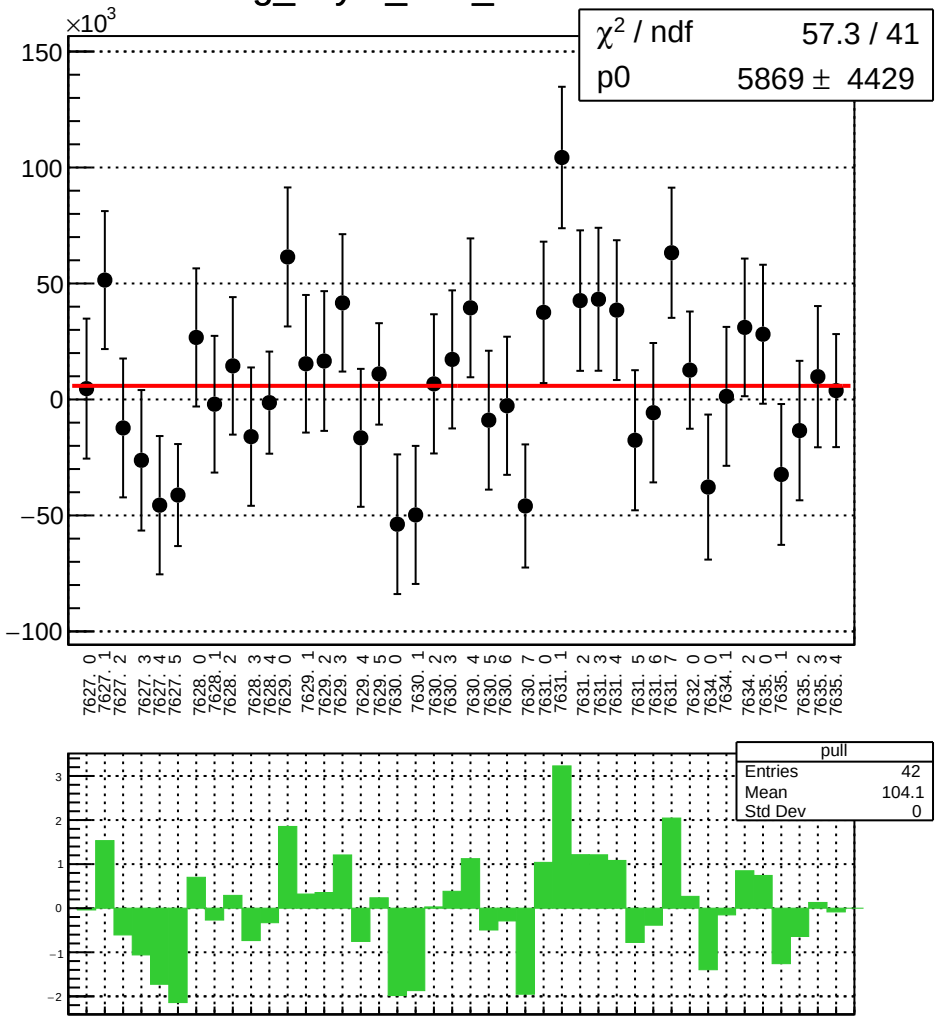

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.96 / 41
p0 0.7205 ± 0.3494
pull
Entries 42
Mean 23.86
Std Dev 0
pull1D
Entries 42
Mean 0.02074
Std Dev 0.9251

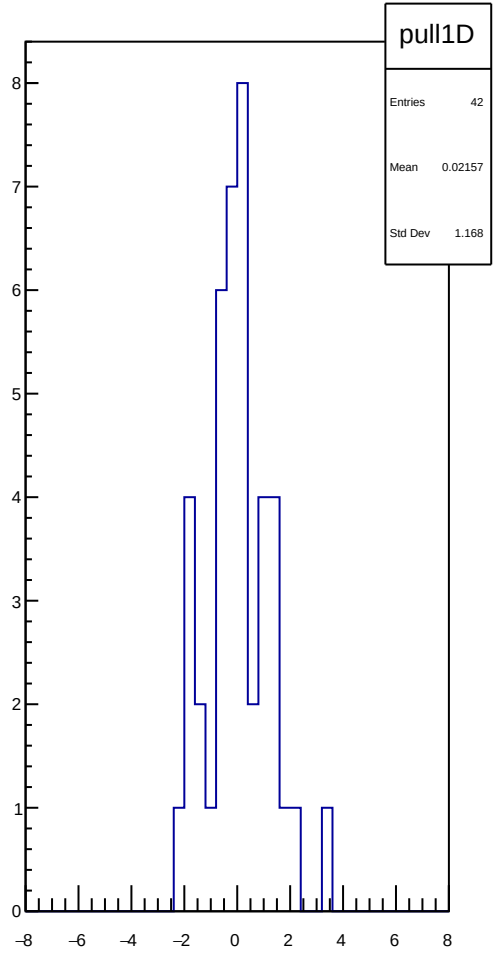

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.704e+04 / 41
p0 221.1 ± 0.2471
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.21 / 41
p0 −2.335e−13 ± 1.862e−13
pull
Entries 42
Mean 26.94
Std Dev 10.28


pull1D
Entries 42
Mean −0.2603
Std Dev 0.9558


asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.092e+05 / 41
p0 6.154e−11 ± 1.316e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


reg_asym_atr2_mean vs run
×10^3
χ² / ndf 57.3 / 41
p0 5869 ± 4429
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 104.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.02157
Std Dev 1.168
8
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5
4
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1
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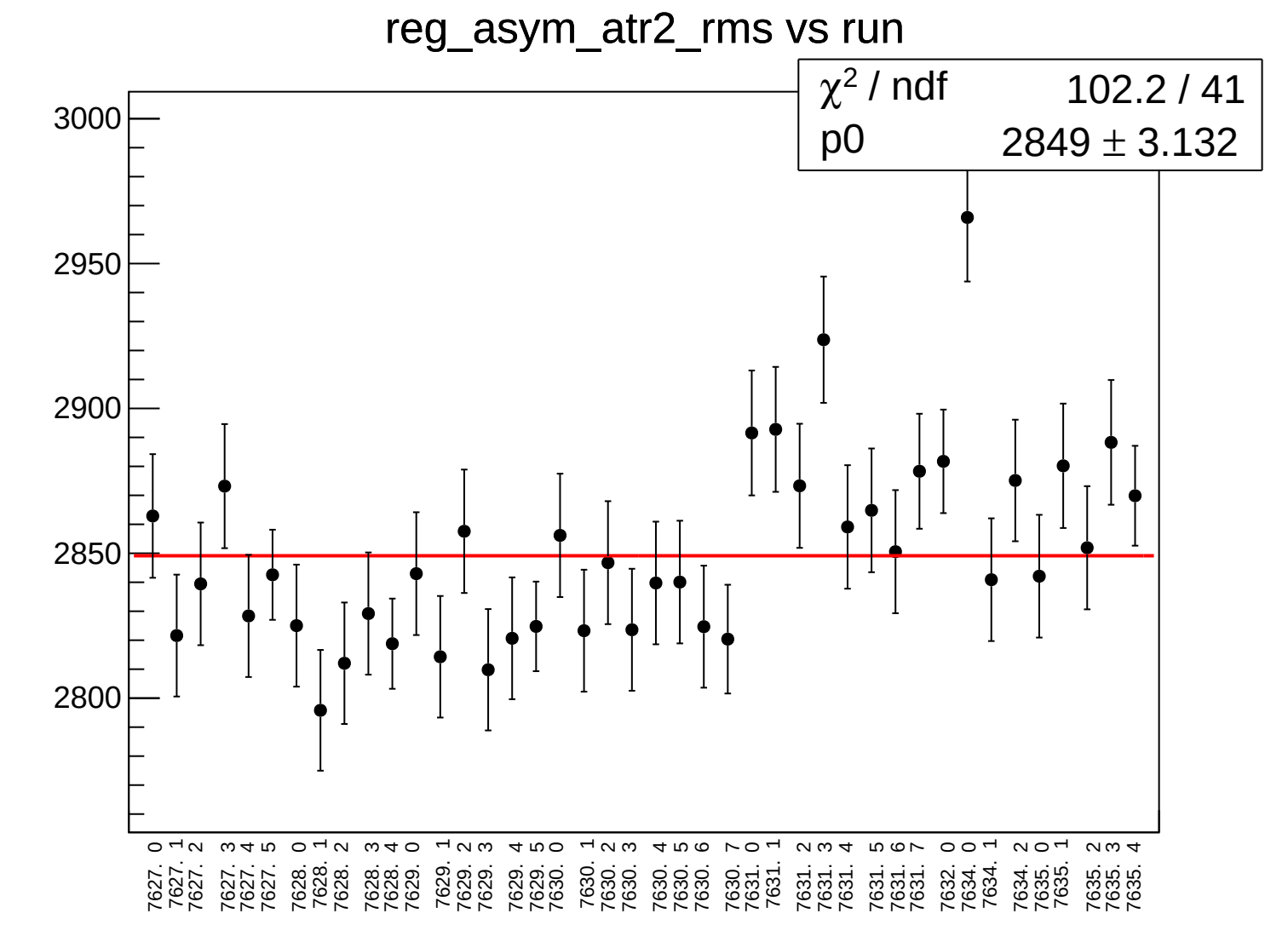
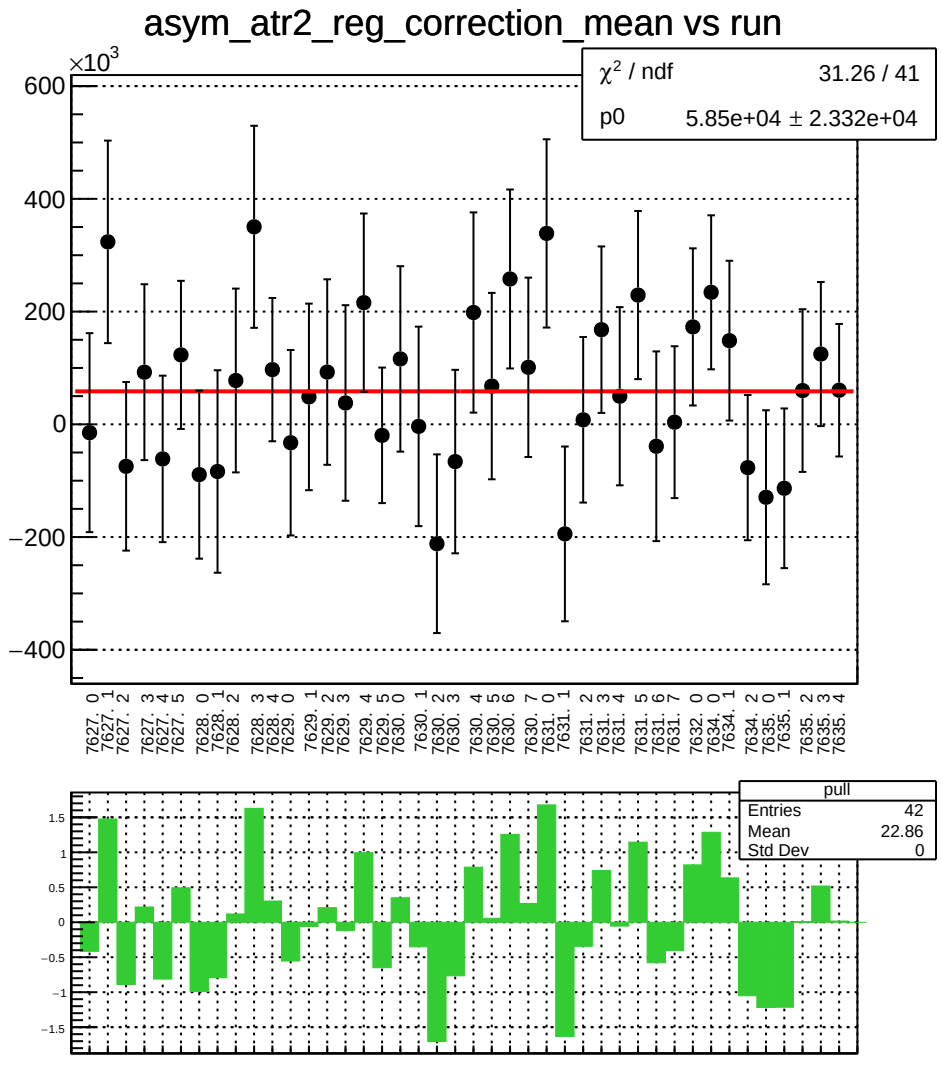
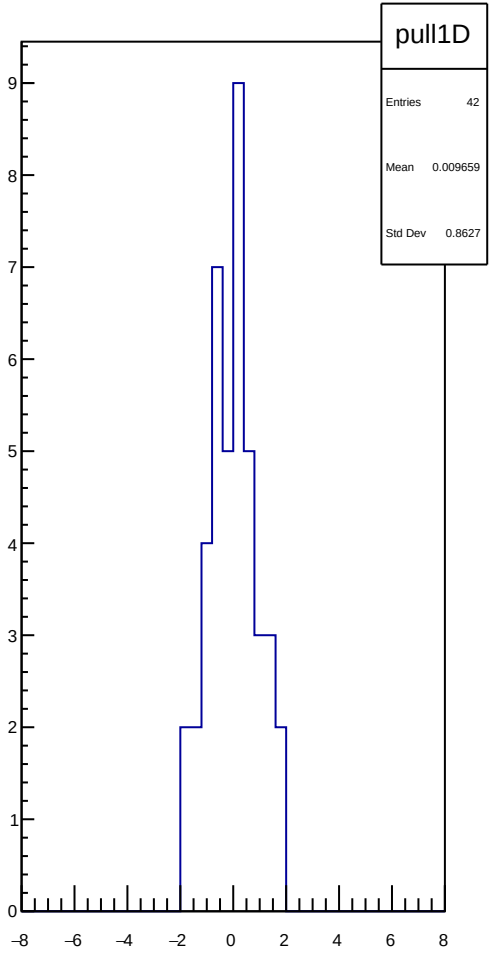
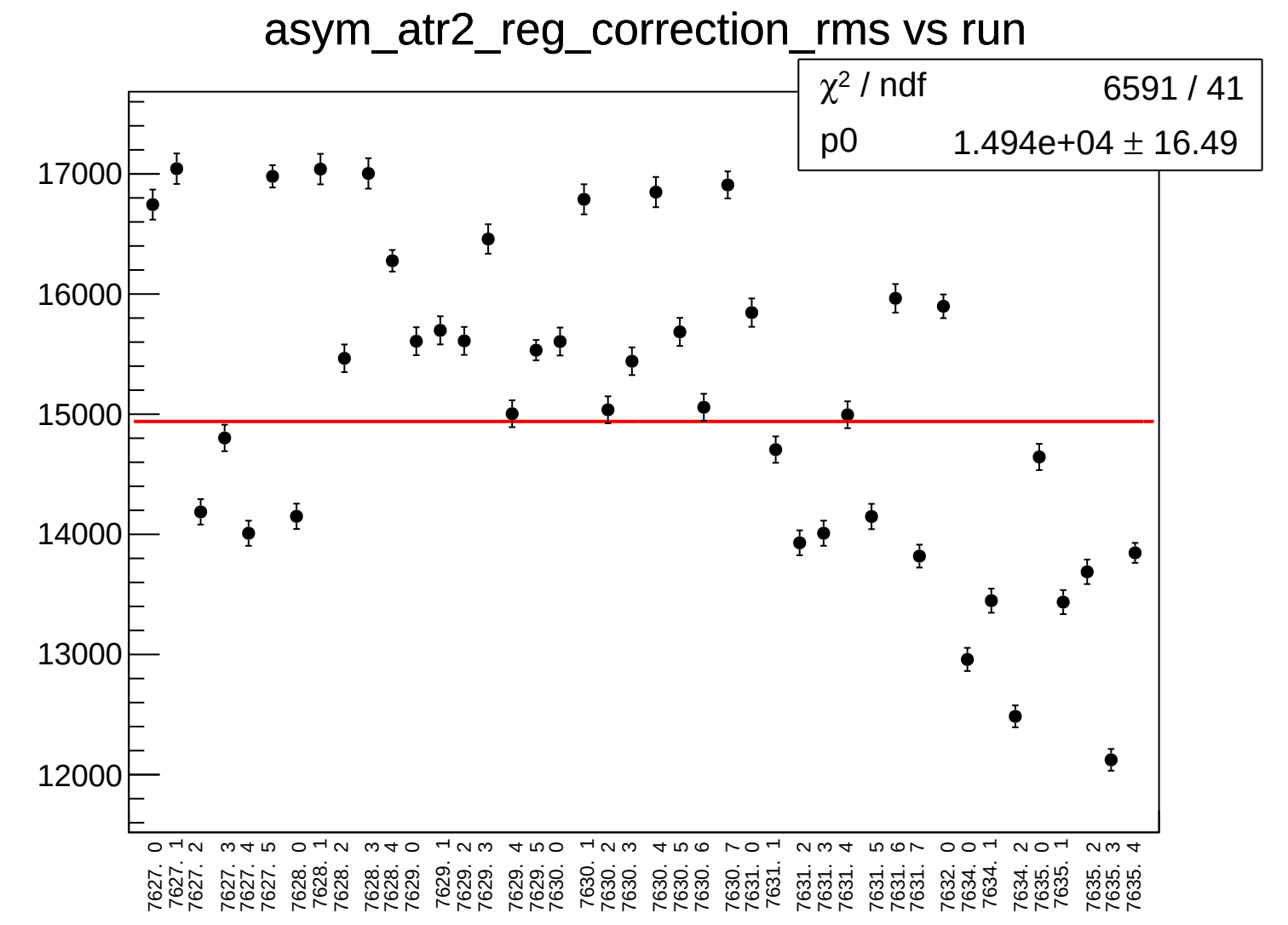
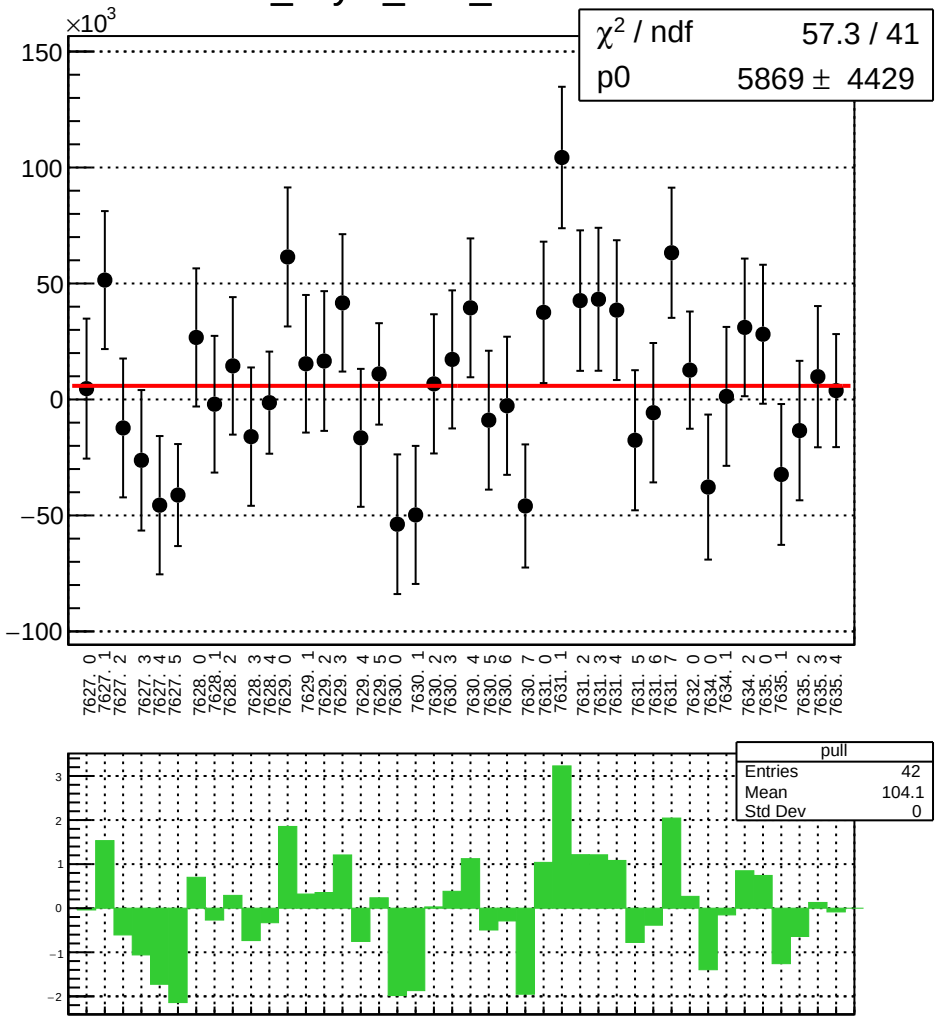
−8
−6
−4
−2
0
2
4
6
8

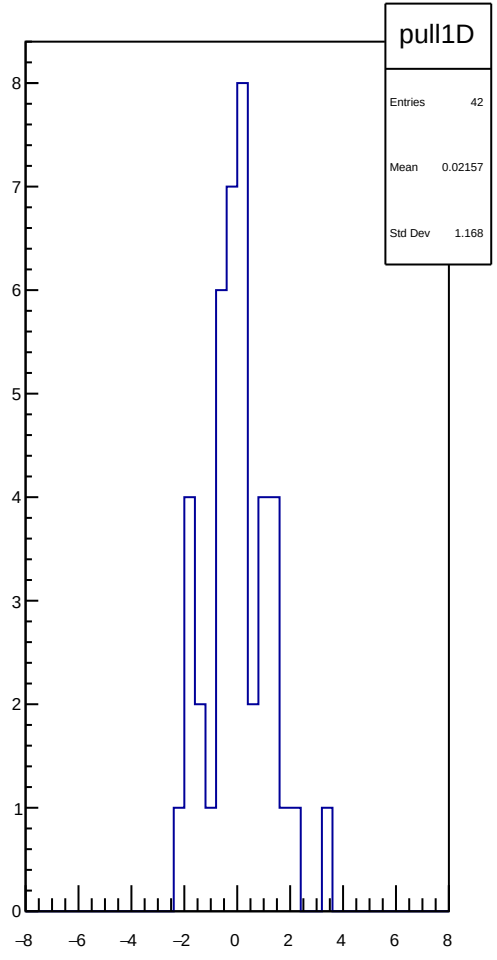

reg_asym_atr2_rms vs run
χ² / ndf 102.2 / 41
p0 2849 ± 3.132
3000
2950
2900
2850
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 31.26 / 41
p0 5.85e+04 ± 2.332e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.009659
Std Dev 0.8627
9
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 6591 / 41
p0 1.494e+04 ± 16.49
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_atr2_mean vs run
×10^3
χ² / ndf 57.3 / 41
p0 5869 ± 4429
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 104.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.02157
Std Dev 1.168
8
7
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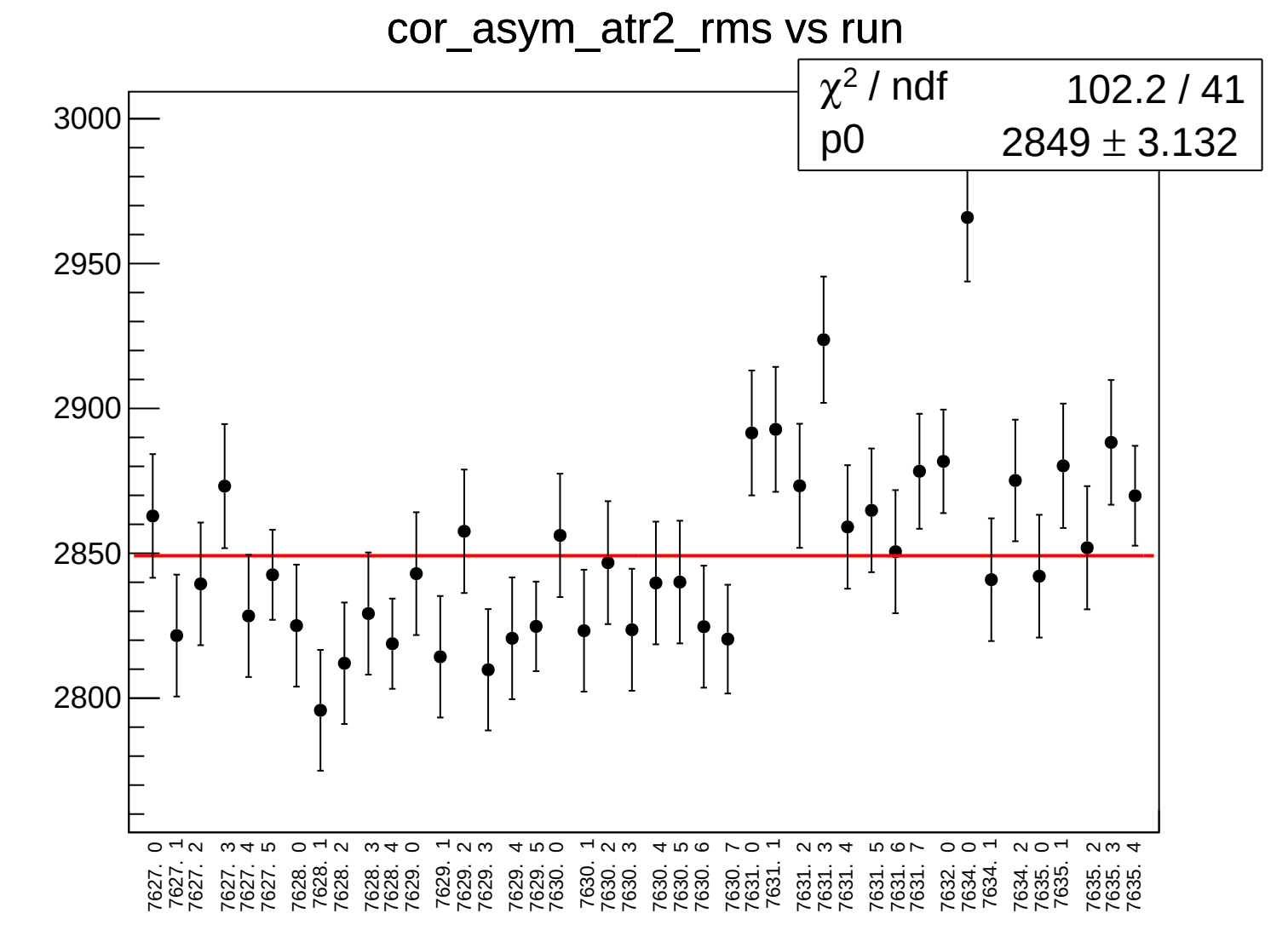
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr2_rms vs run
χ² / ndf 102.2 / 41
p0 2849 ± 3.132
3000
2950
2900
2850
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
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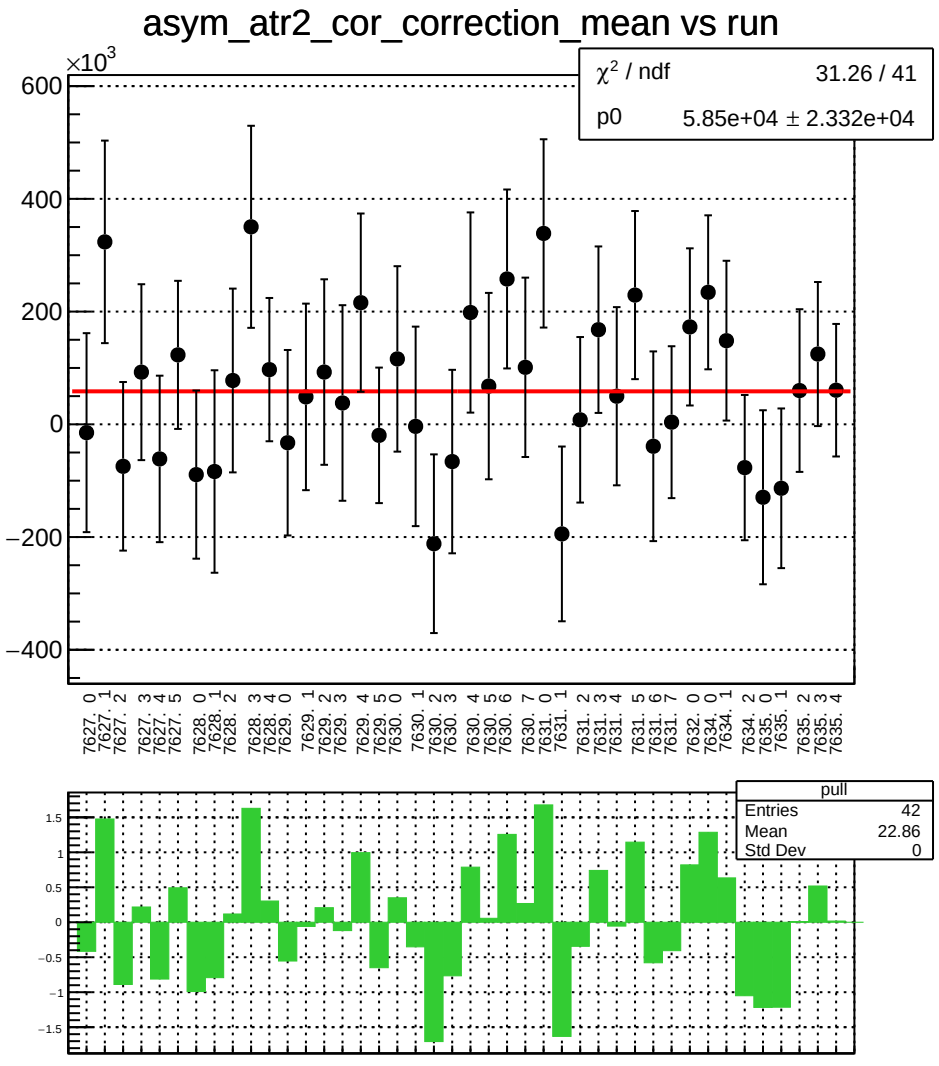
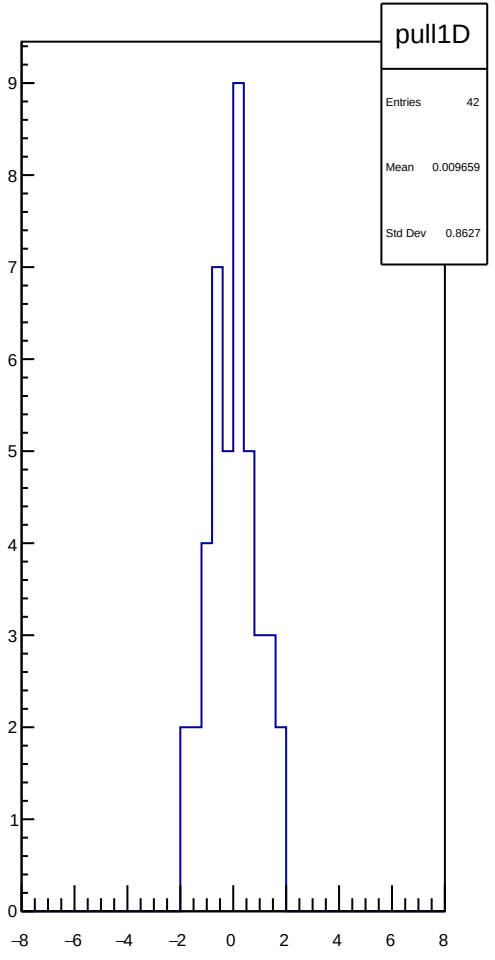
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 31.26 / 41
p0 5.85e+04 ± 2.332e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.009659
Std Dev 0.8627
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6
5
4
3
2
1
0
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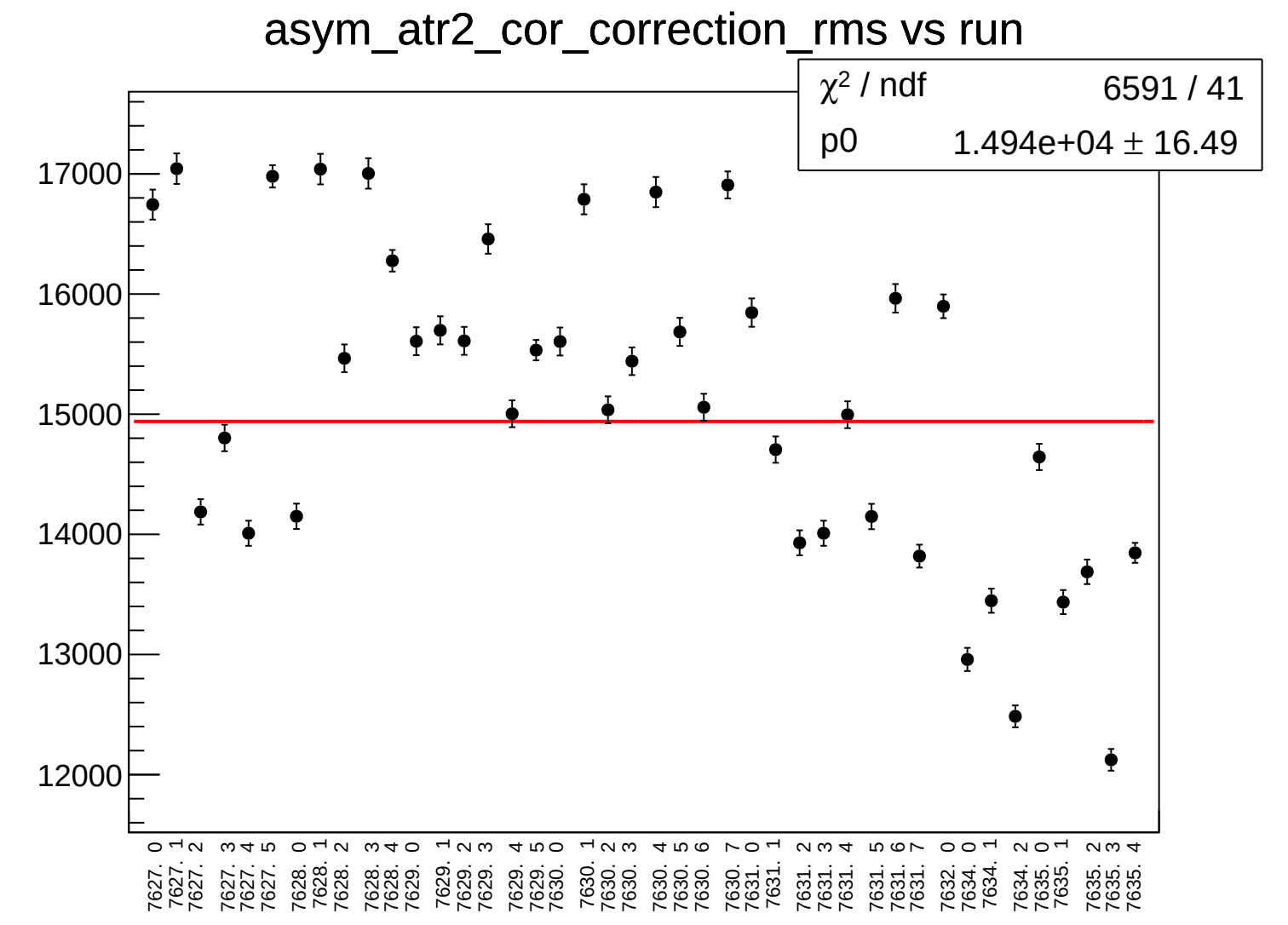
−6
−4
−2
0
2
4
6
8


asym_atr2_cor_correction_rms vs run
χ² / ndf 6591 / 41
p0 1.494e+04 ± 16.49
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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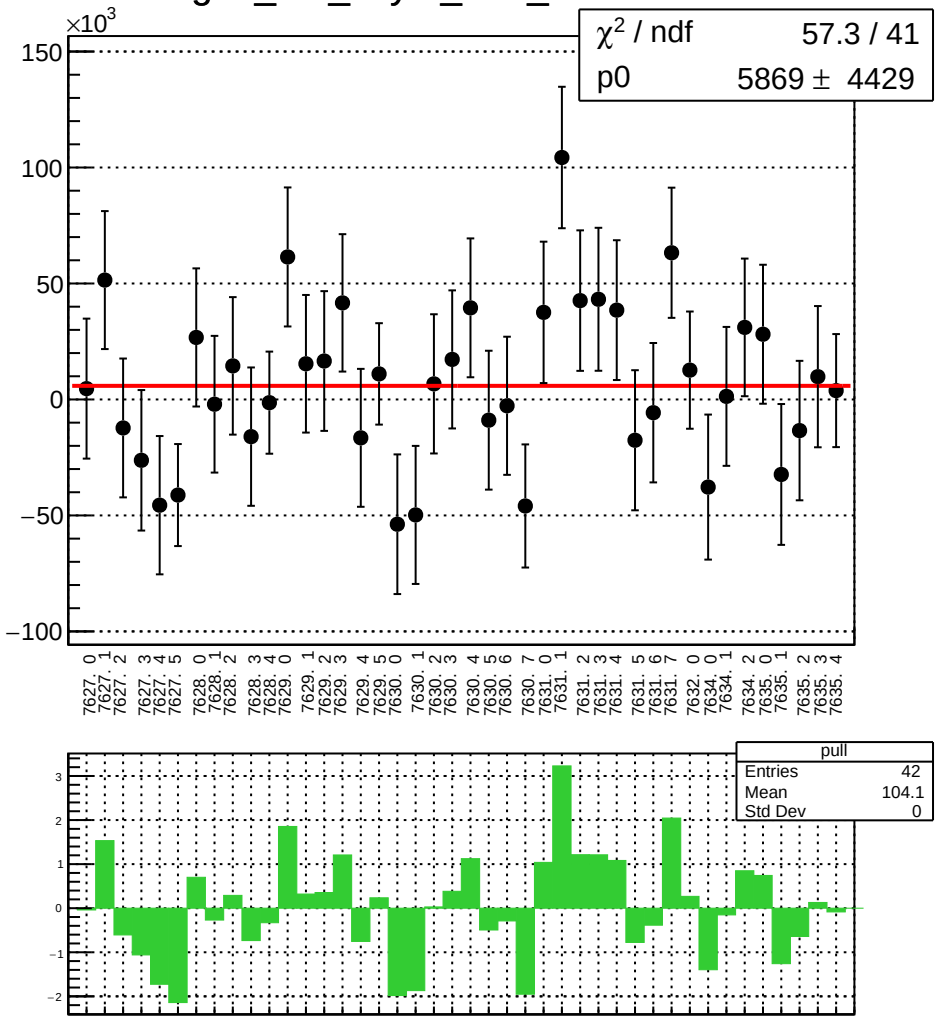
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 57.3 / 41
p0 5869 ± 4429
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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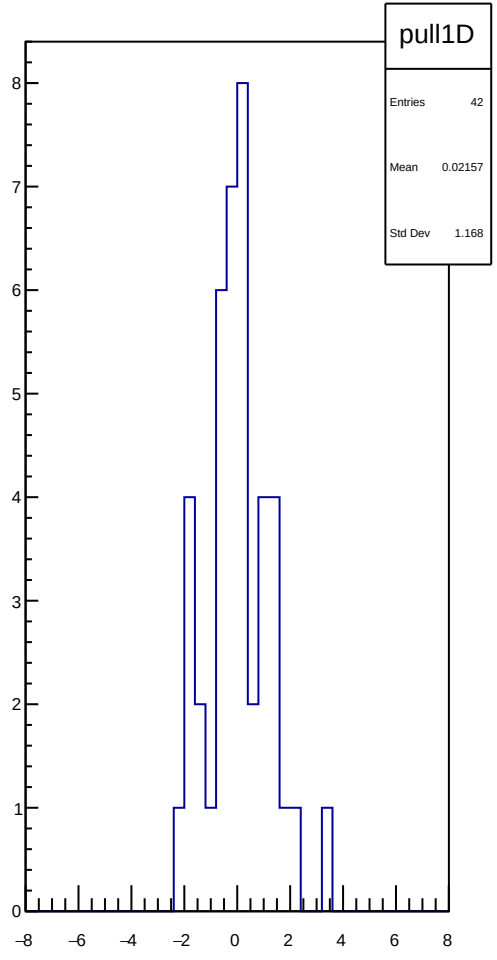
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 104.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.02157
Std Dev 1.168
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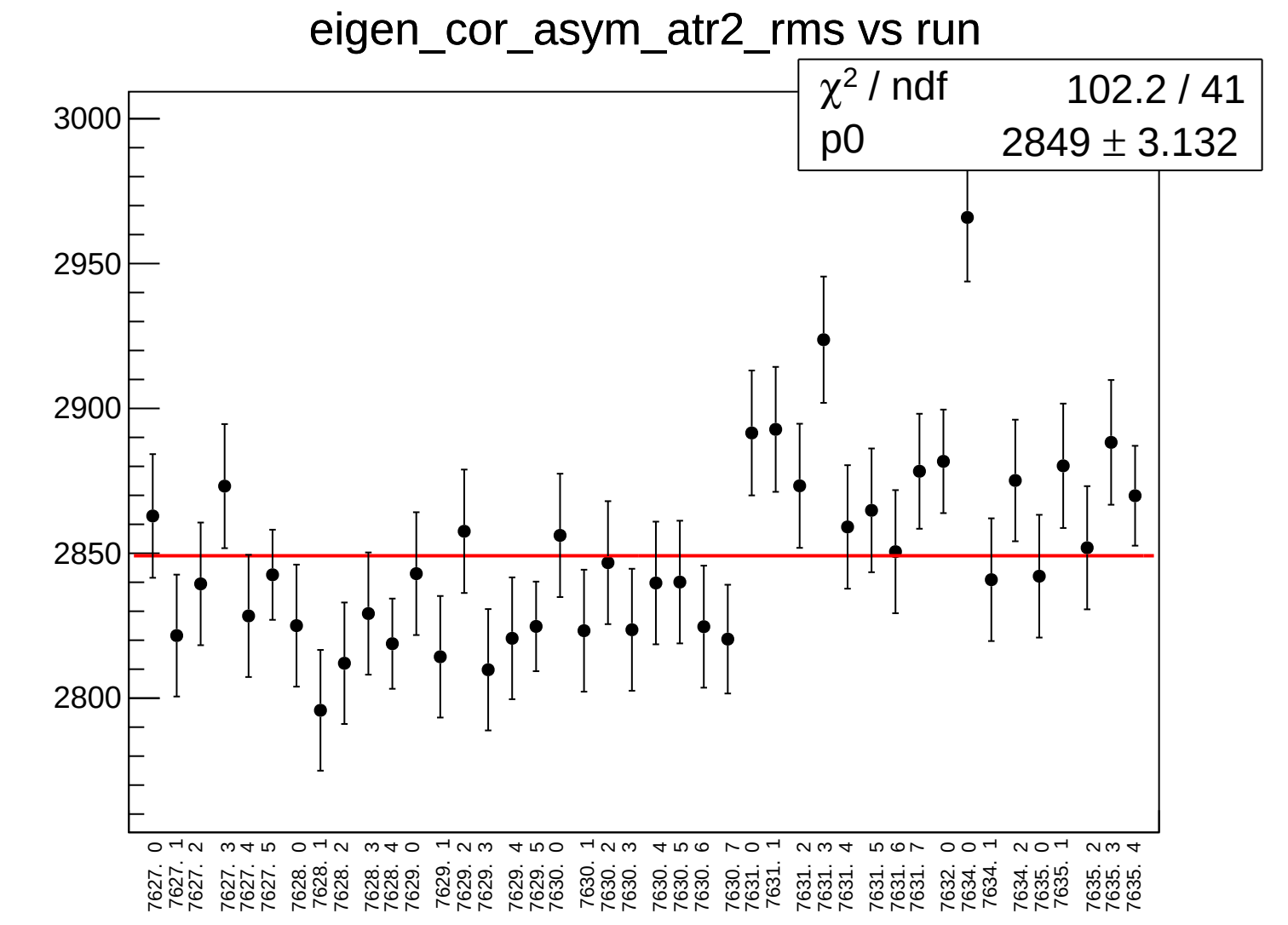
eigen_cor_asym_atr2_rms vs run
χ² / ndf 102.2 / 41
p0 2849 ± 3.132
3000
2950
2900
2850
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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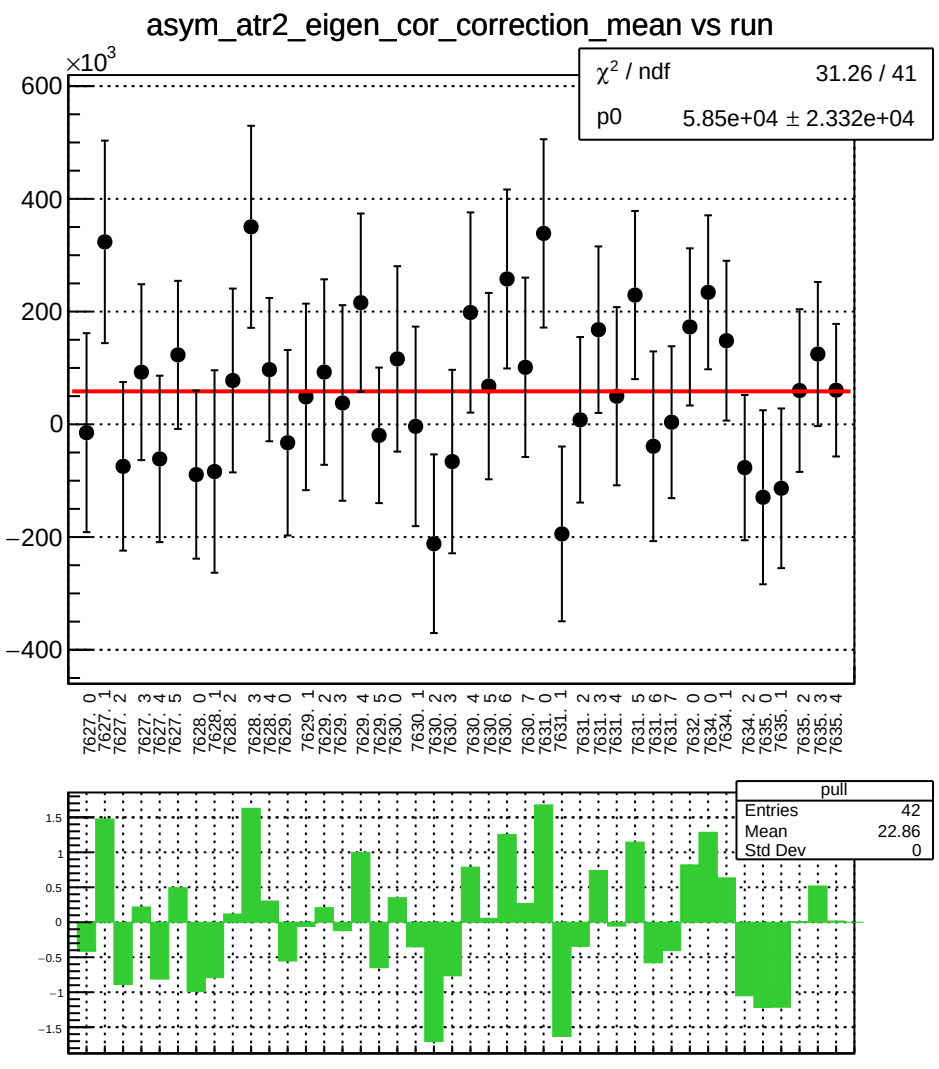
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.26 / 41
p0 5.85e+04 ± 2.332e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 0
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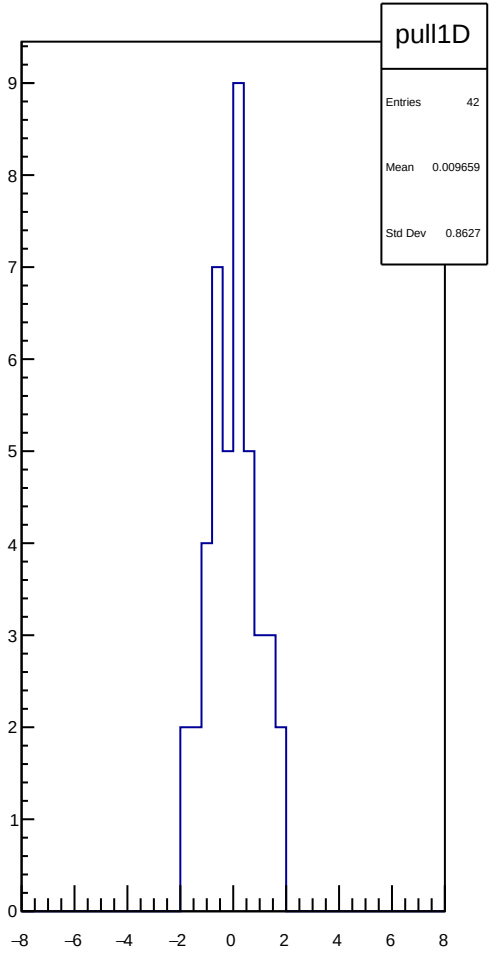
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.009659
Std Dev 0.8627
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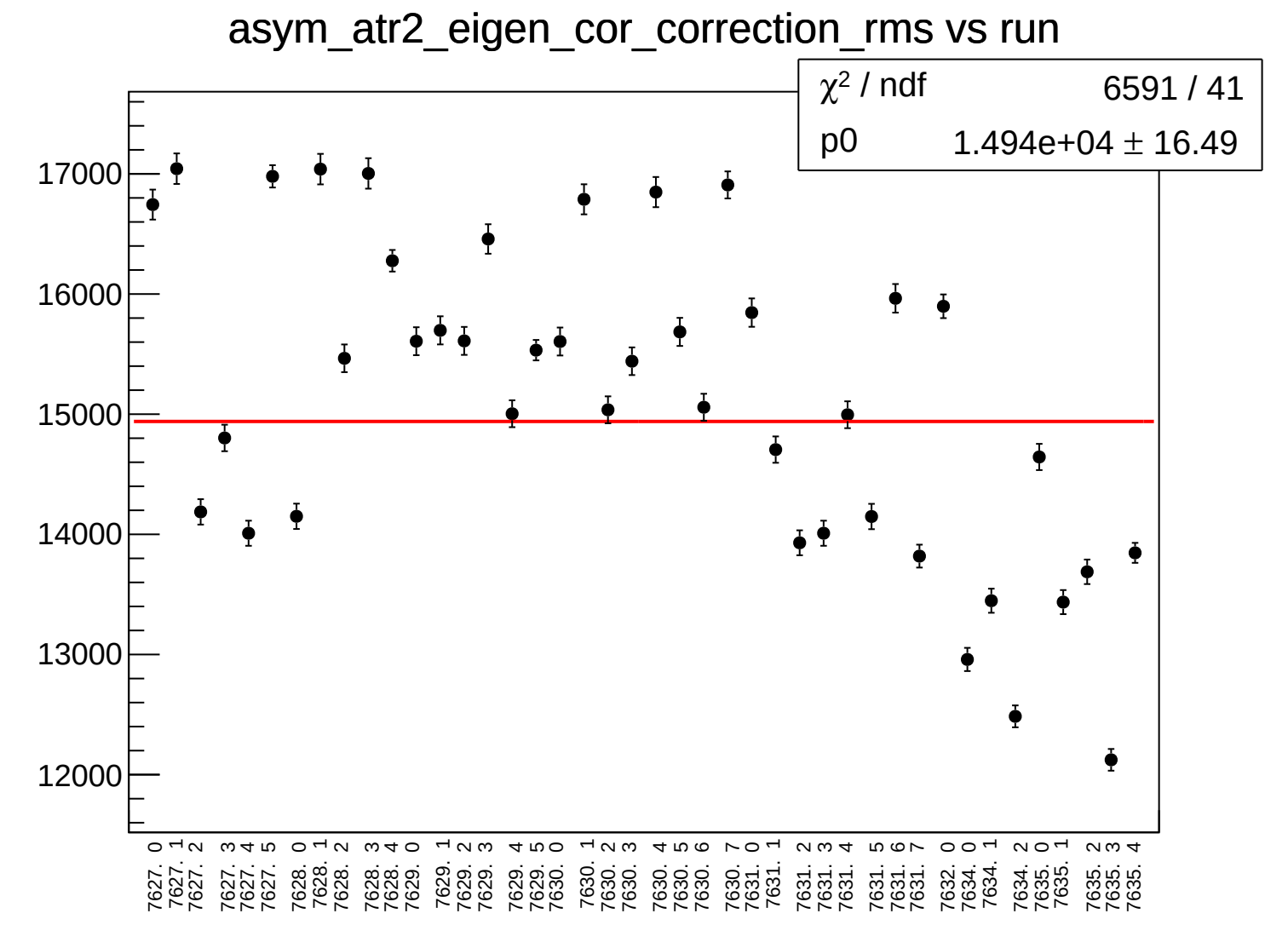
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 6591 / 41
p0 1.494e+04 ± 16.49
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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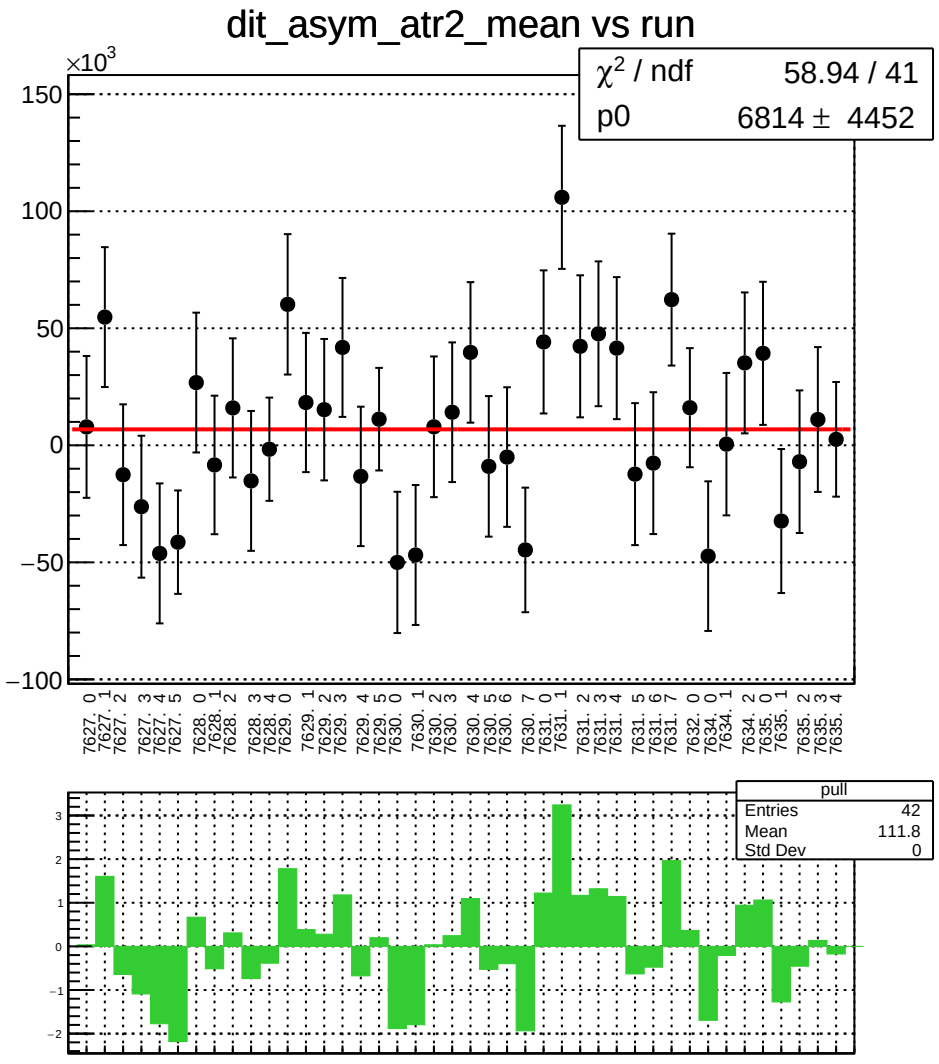
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 58.94 / 41
p0 6814 ± 4452
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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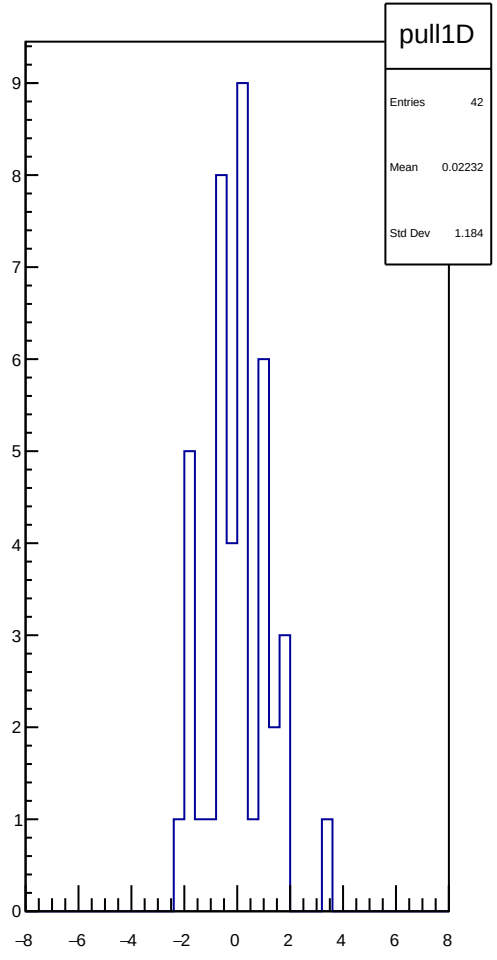
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 111.8
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.02232
Std Dev 1.184
9
8
7
6
5
4
3
2
1
0
−8
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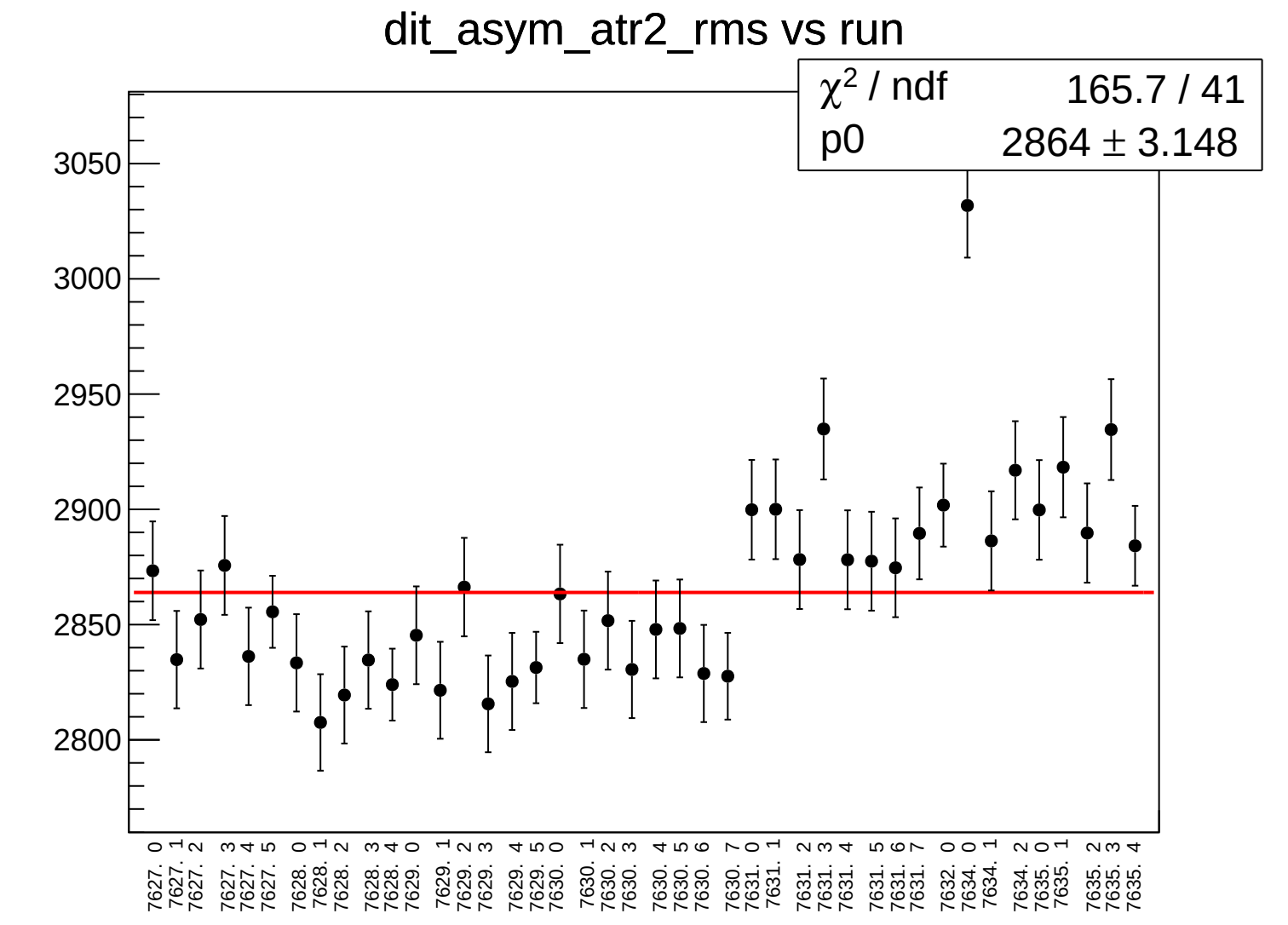
−4
−2
0
2
4
6
8


dit_asym_atr2_rms vs run
χ² / ndf 165.7 / 41
p0 2864 ± 3.148
3050
3000
2950
2900
2850
2800
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7627. 2
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7628. 0
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7629. 0
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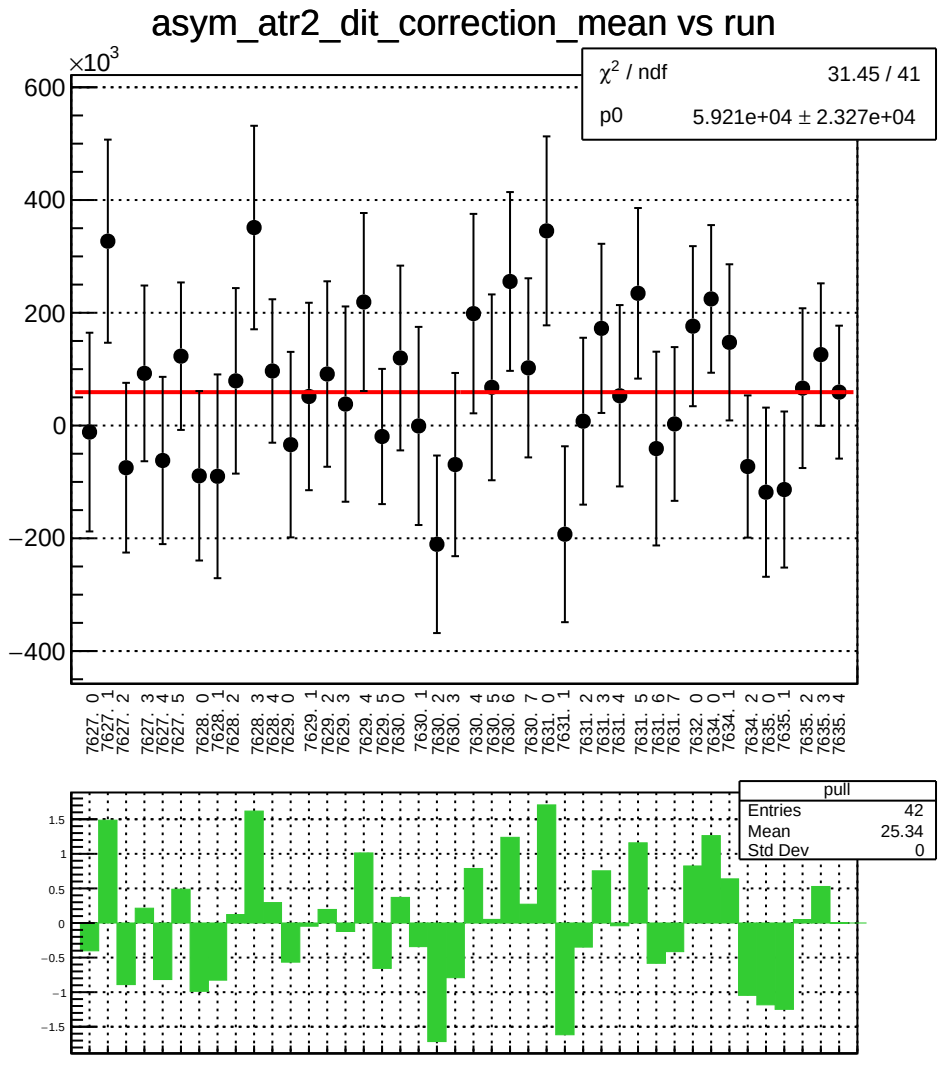
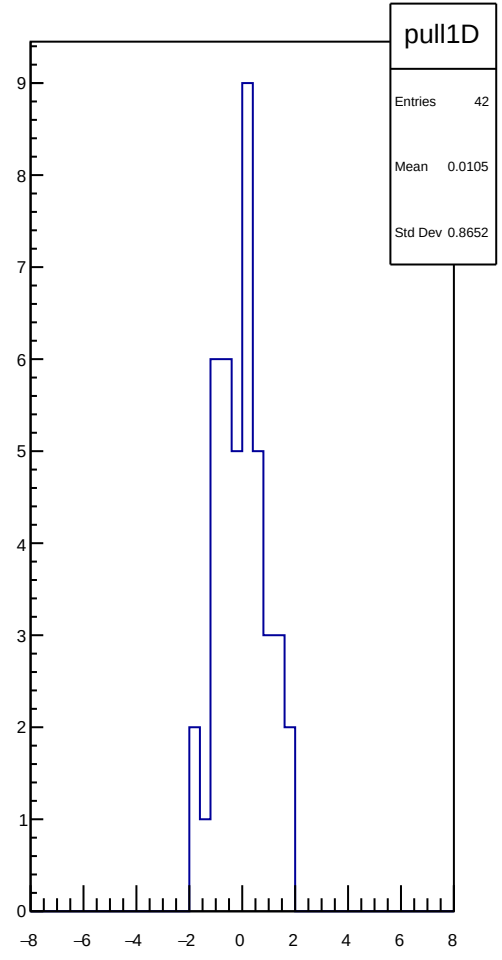
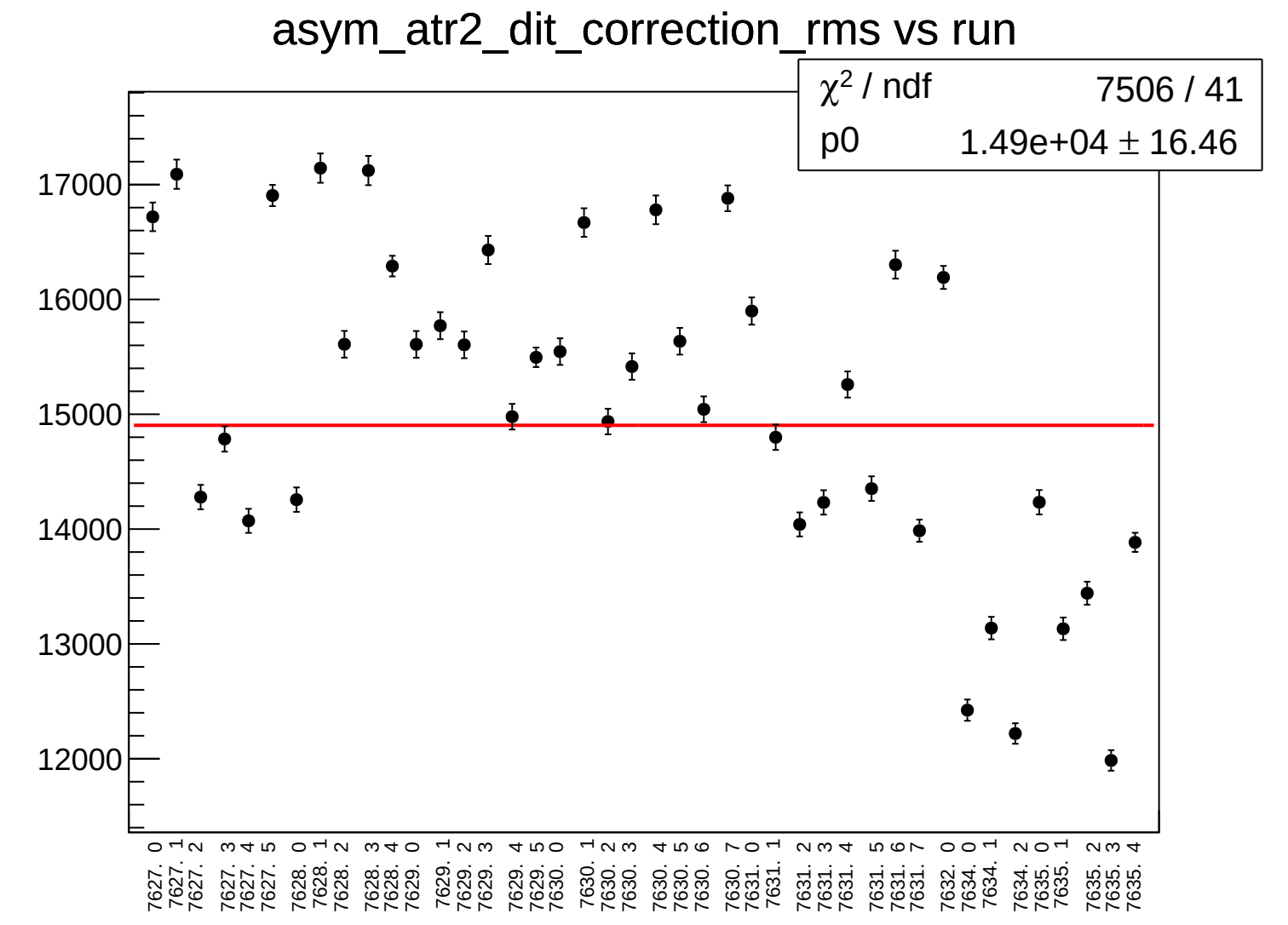
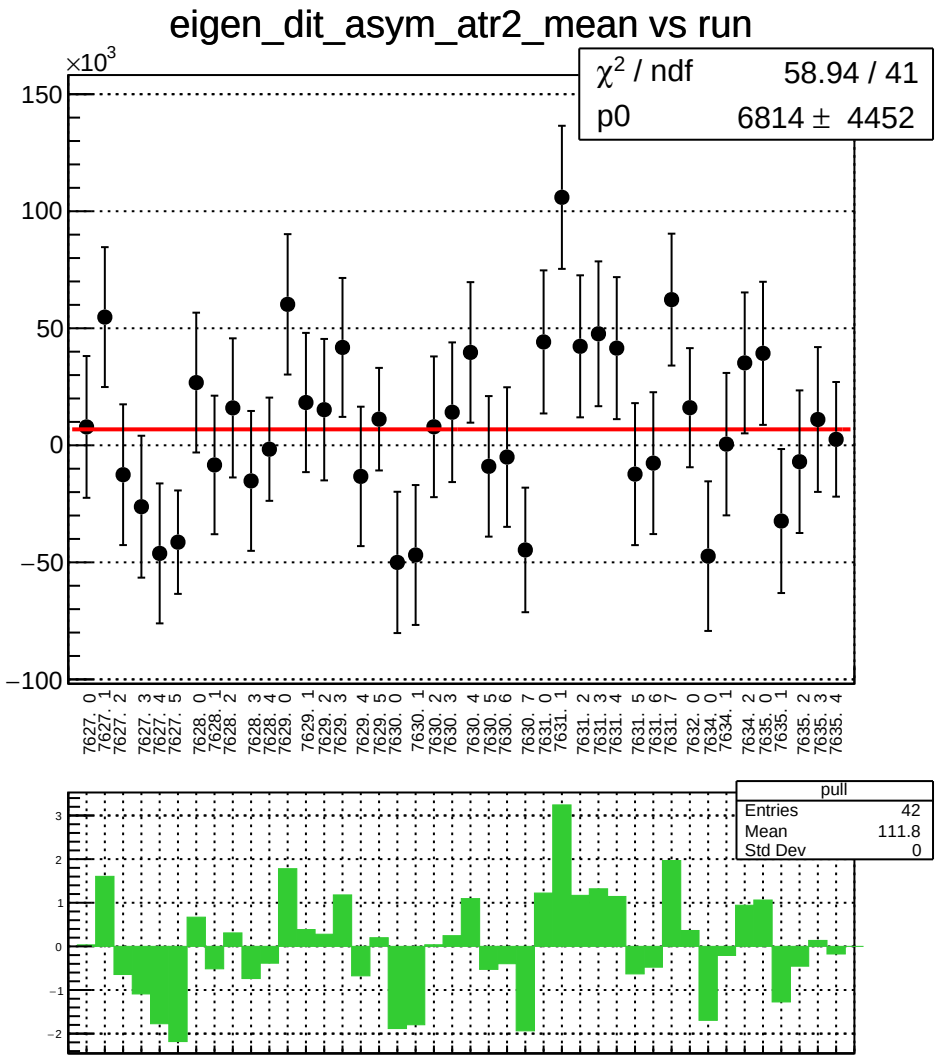
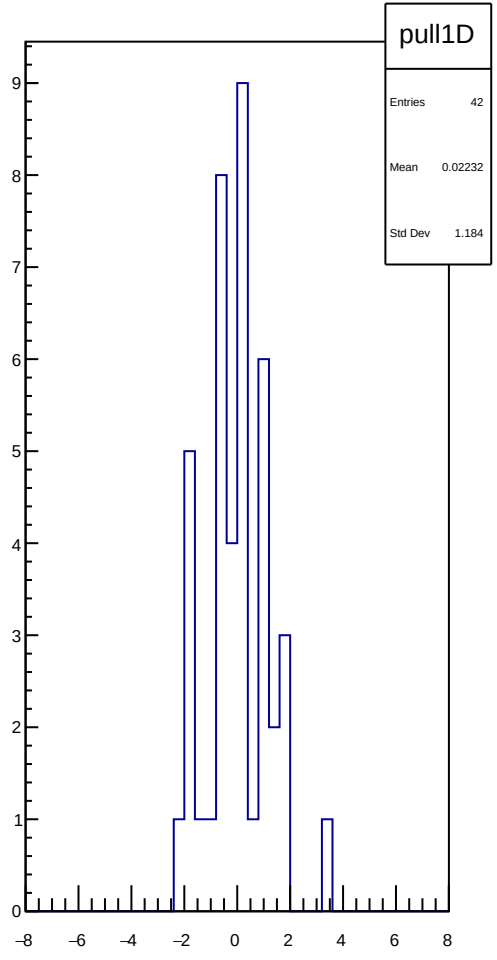
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

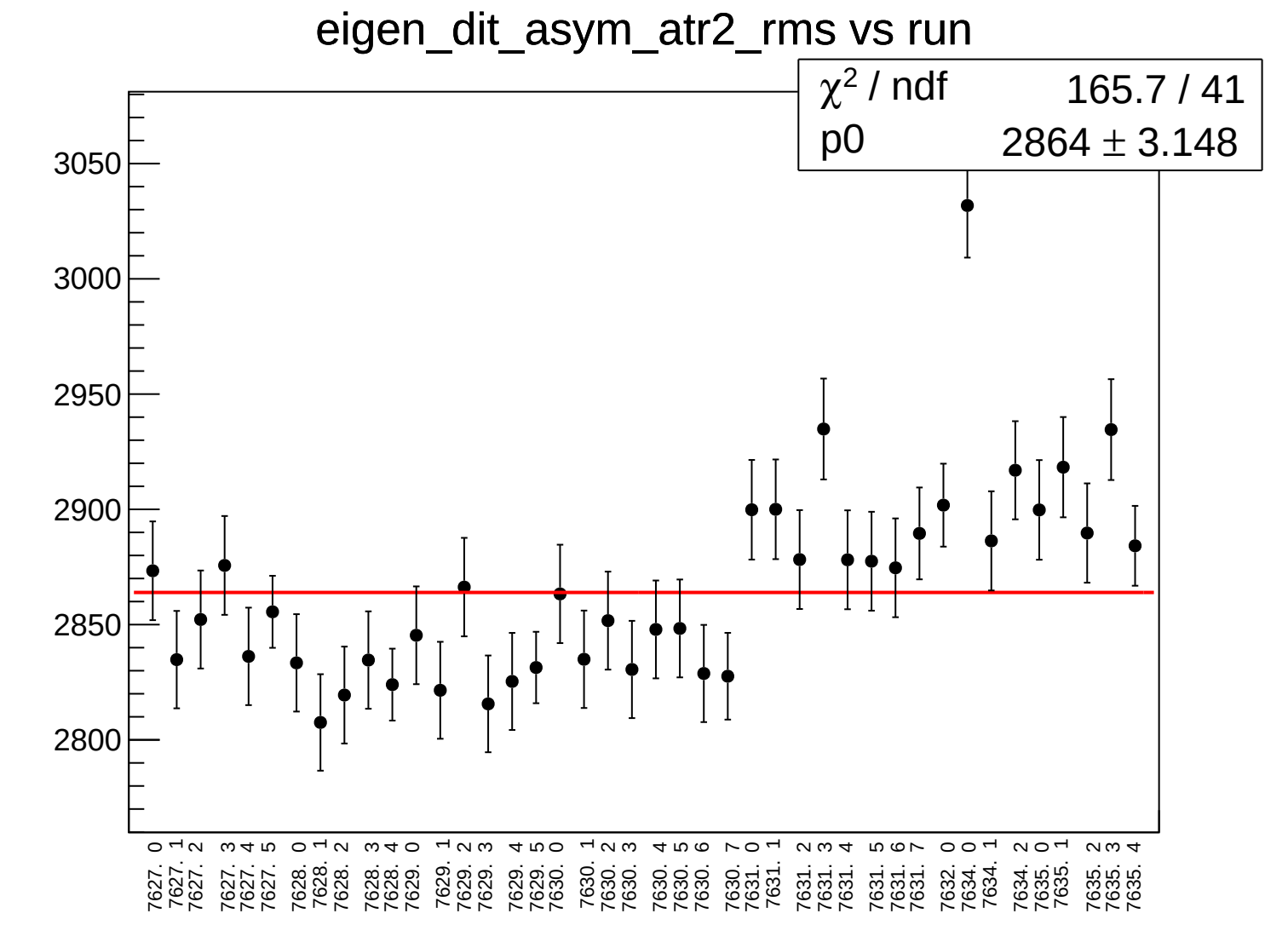

asym_atr2_dit_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 31.45 / 41
p0 5.921e+04 ± 2.327e+04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.34
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

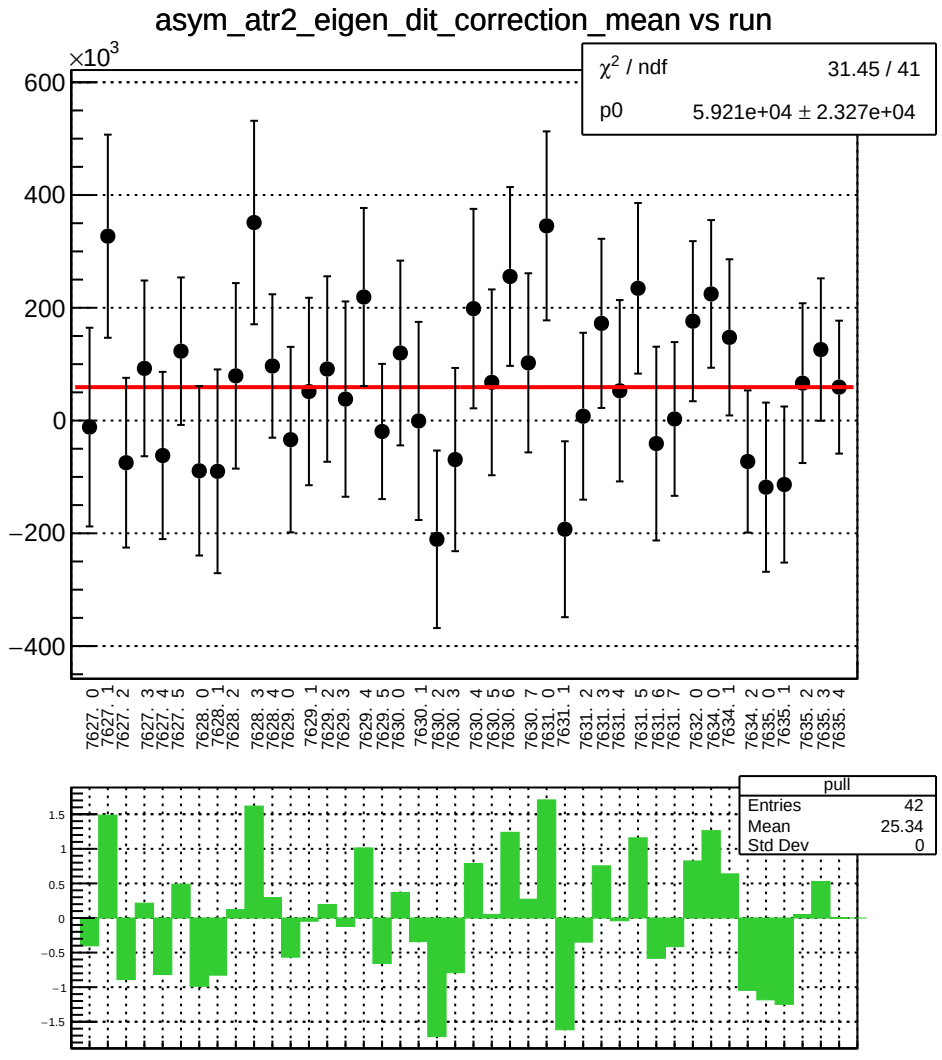

pull1D
Entries 42
Mean 0.0105
Std Dev 0.8652
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

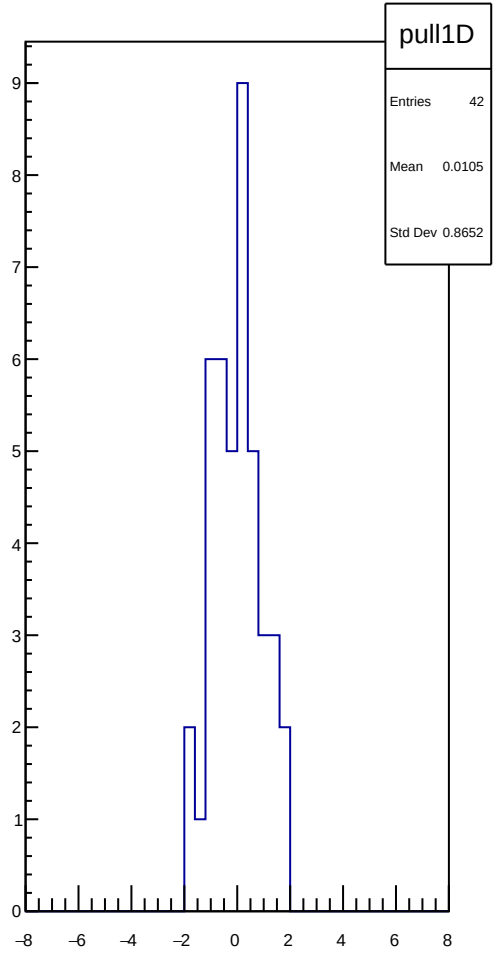

asym_atr2_dit_correction_rms vs run
χ² / ndf 7506 / 41
p0 1.49e+04 ± 16.46
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

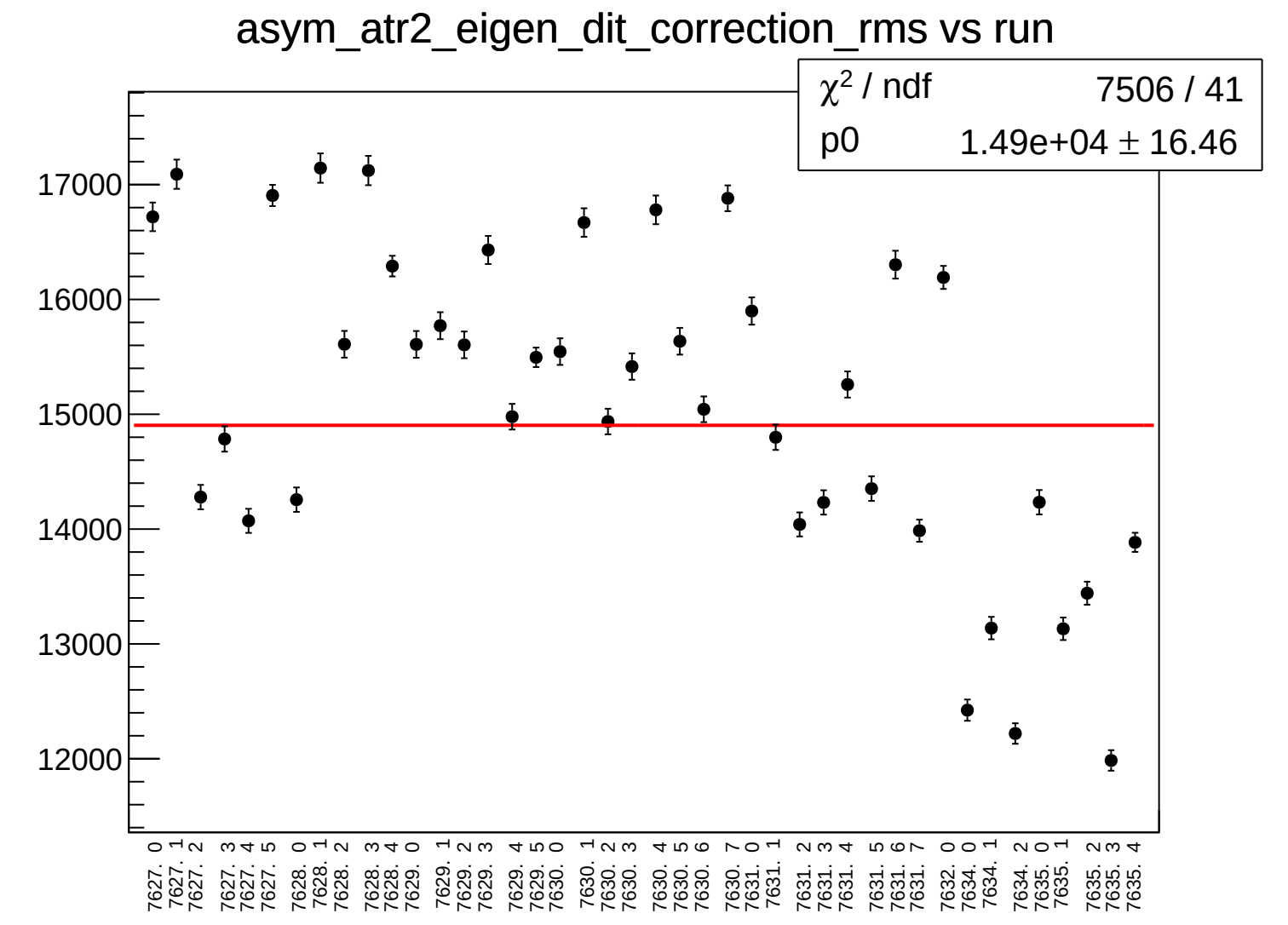

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 58.94 / 41
p0 6814 ± 4452
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 111.8
Std Dev 0
3
2
1
0
−1
−2

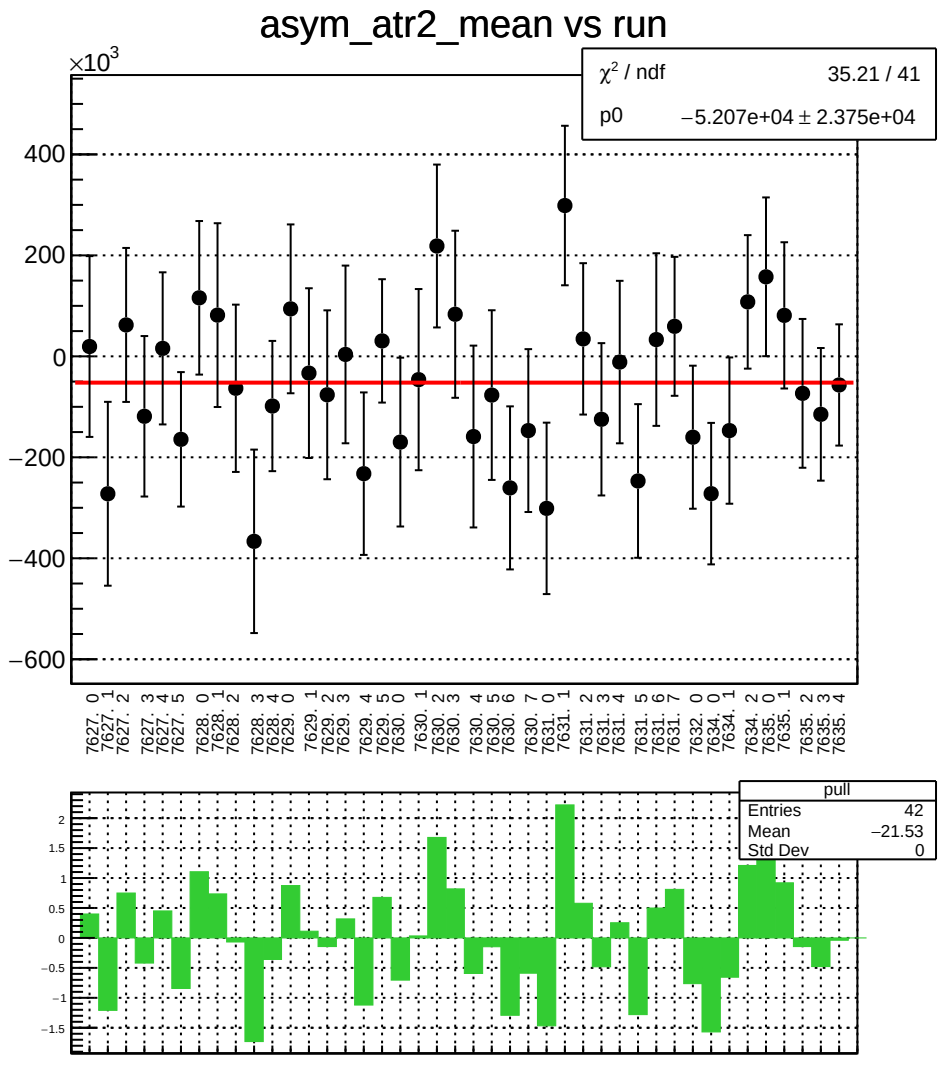

pull1D
Entries 42
Mean 0.02232
Std Dev 1.184
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

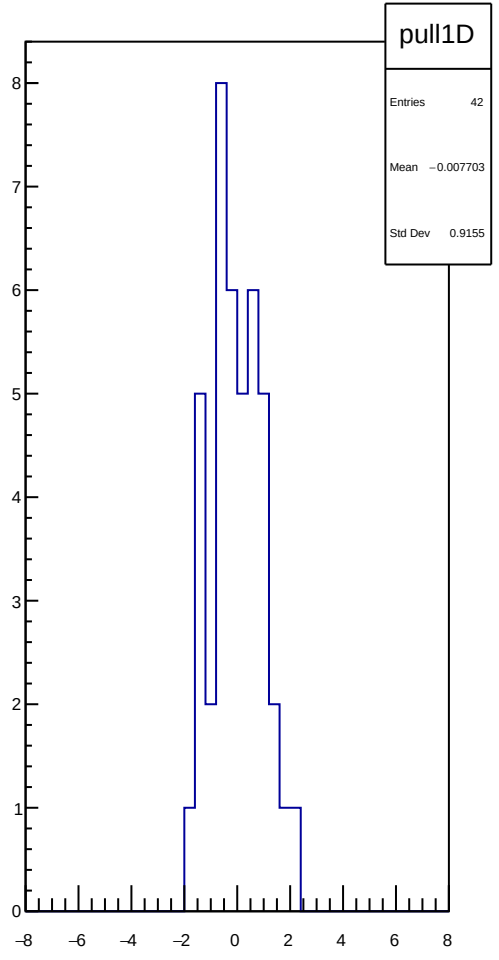

eigen_dit_asym_atr2_rms vs run
χ² / ndf 165.7 / 41
p0 2864 ± 3.148
3050
3000
2950
2900
2850
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

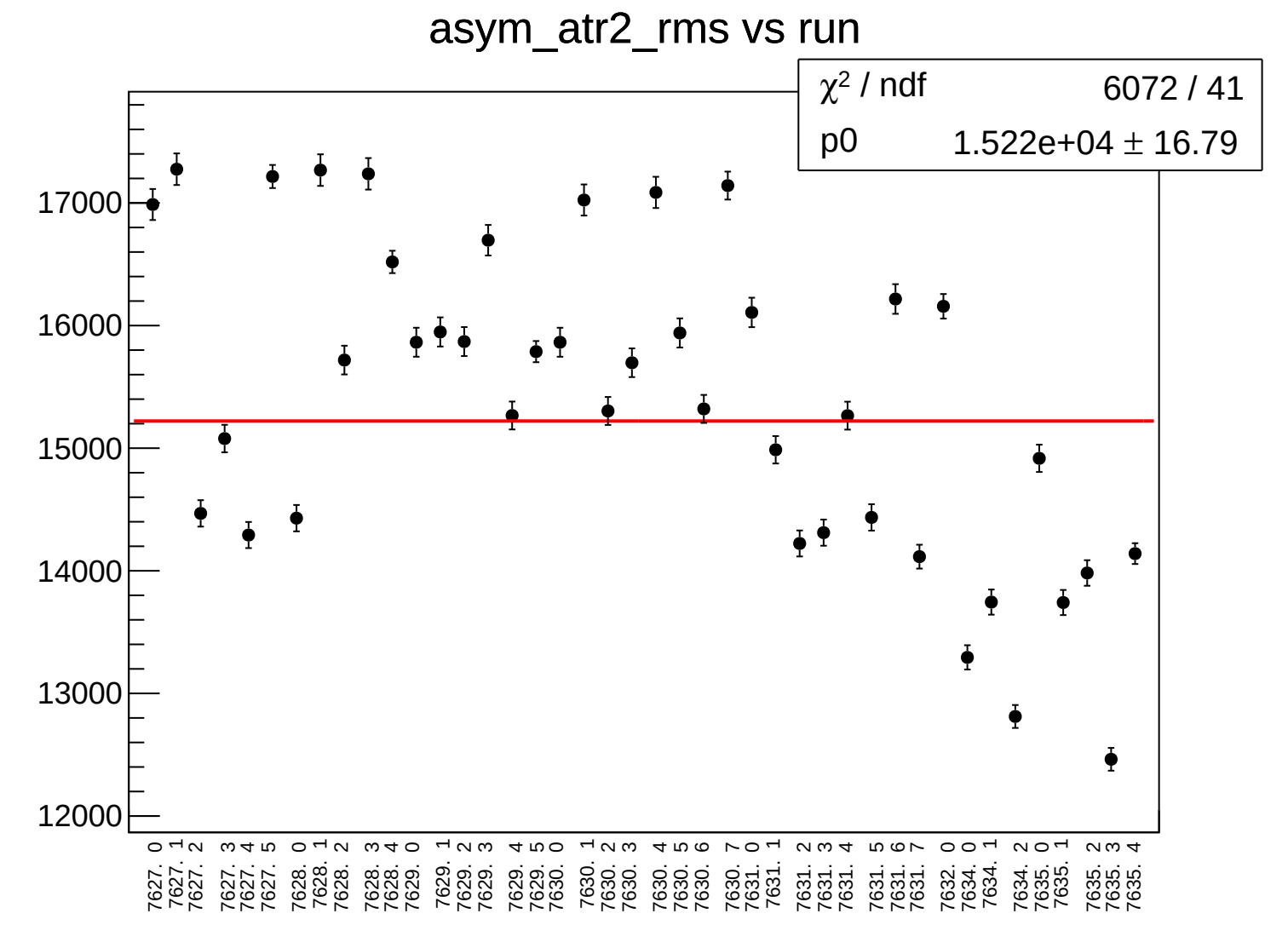

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 31.45 / 41
p0 5.921e+04 ± 2.327e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.34
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

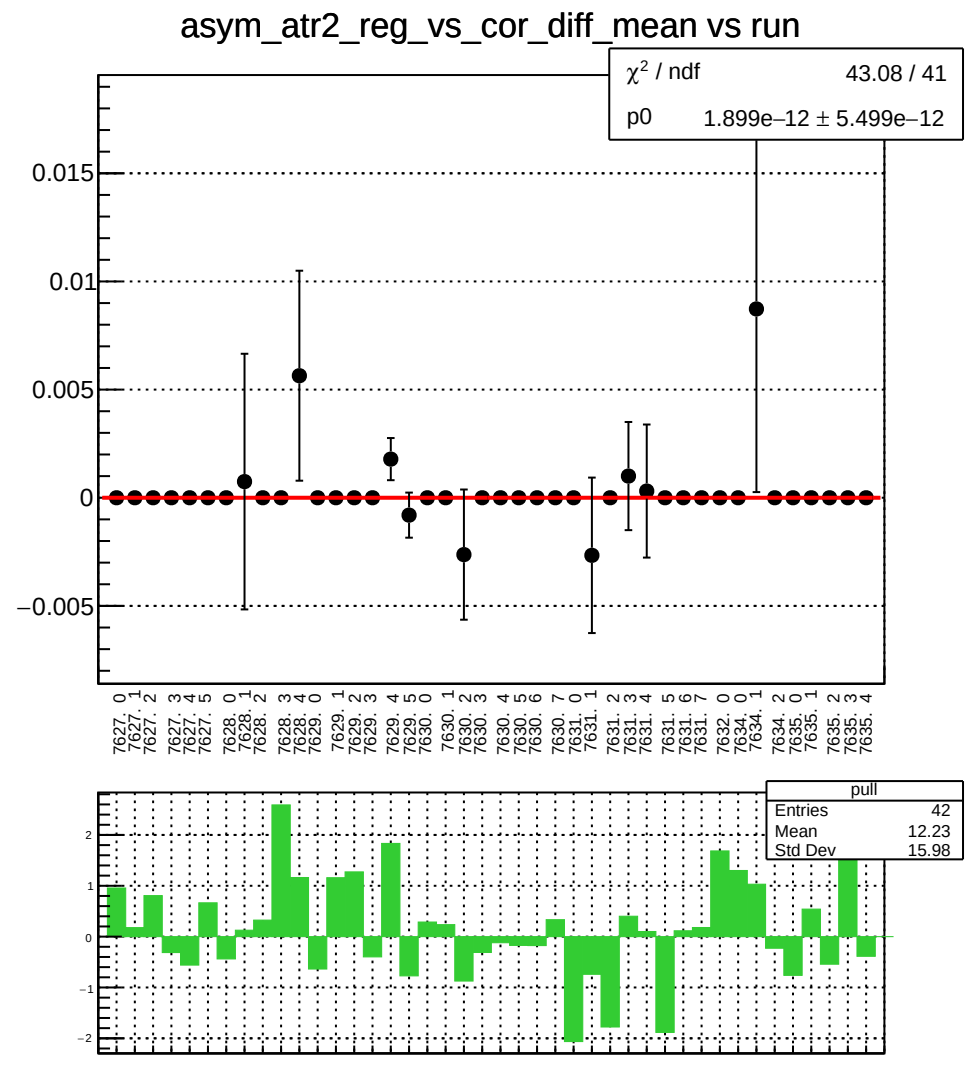

pull1D
Entries 42
Mean 0.0105
Std Dev 0.8652
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

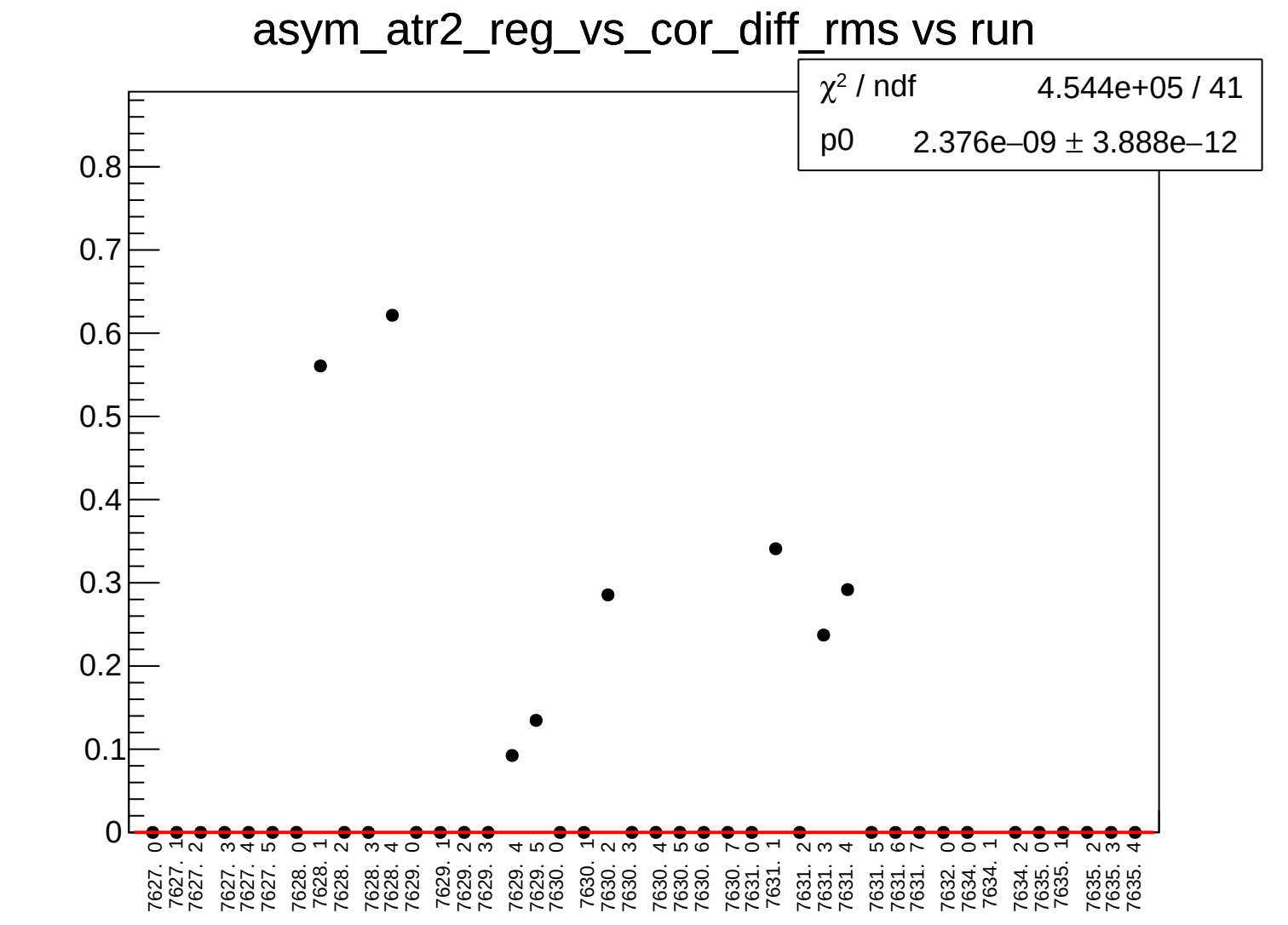

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 7506 / 41
p0 1.49e+04 ± 16.46
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

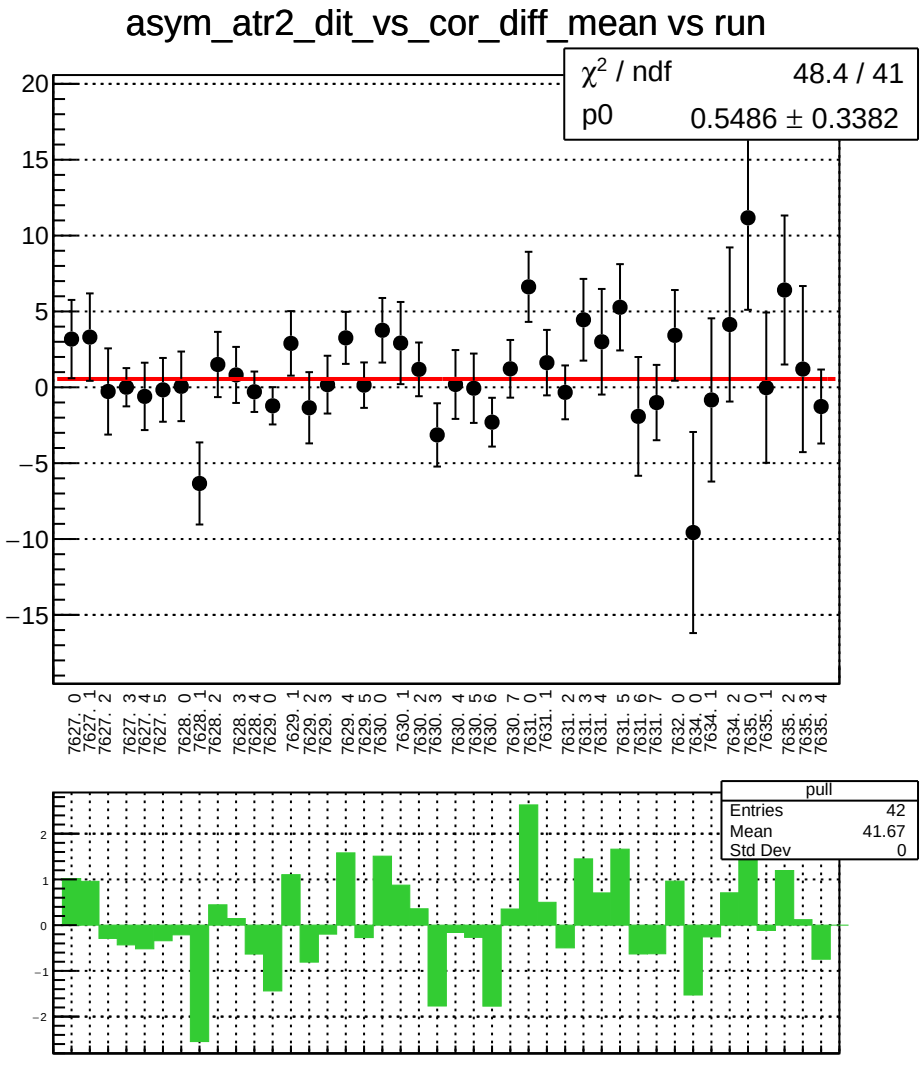

asym_atr2_mean vs run
×10^3
χ² / ndf 35.21 / 41
p0 −5.207e+04 ± 2.375e+04
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −21.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

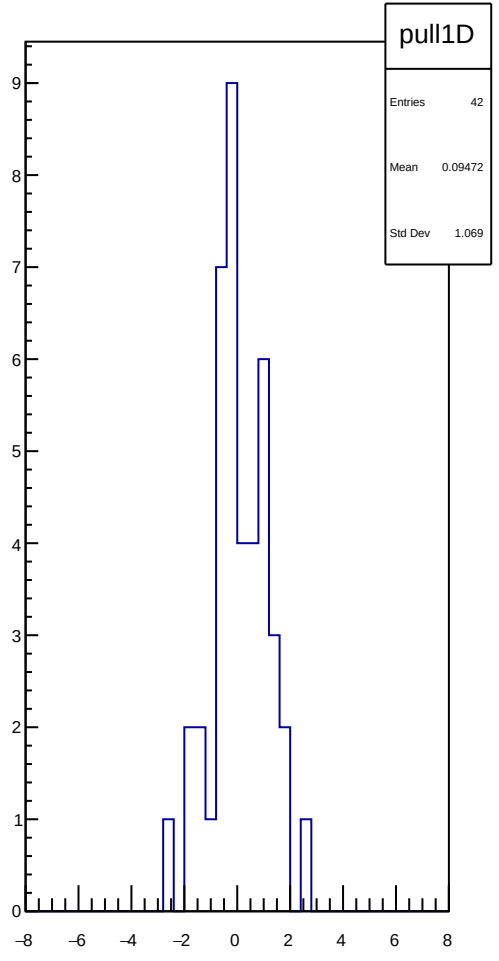

pull1D
Entries 42
Mean −0.007703
Std Dev 0.9155
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

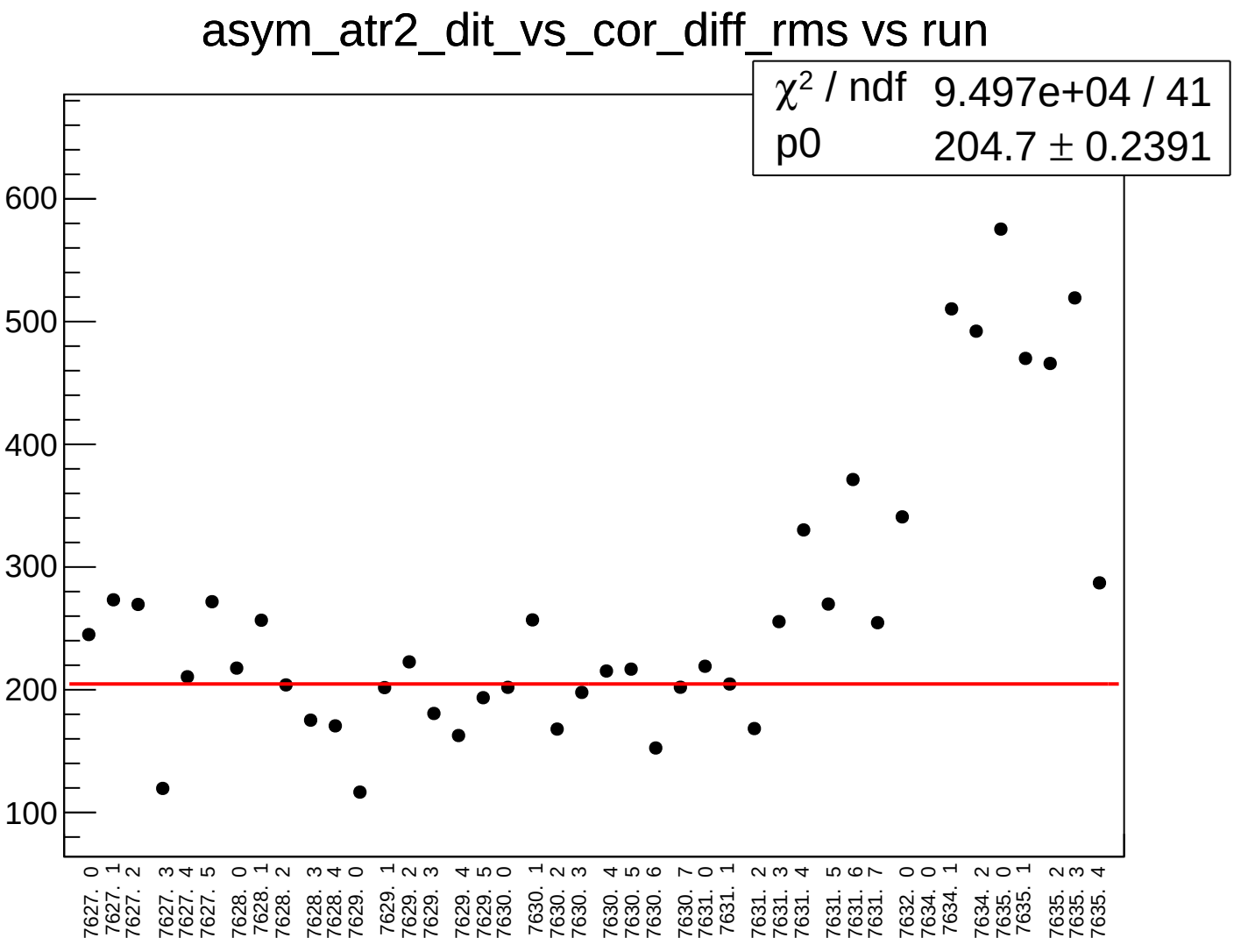

asym_atr2_rms vs run
χ² / ndf 6072 / 41
p0 1.522e+04 ± 16.79
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

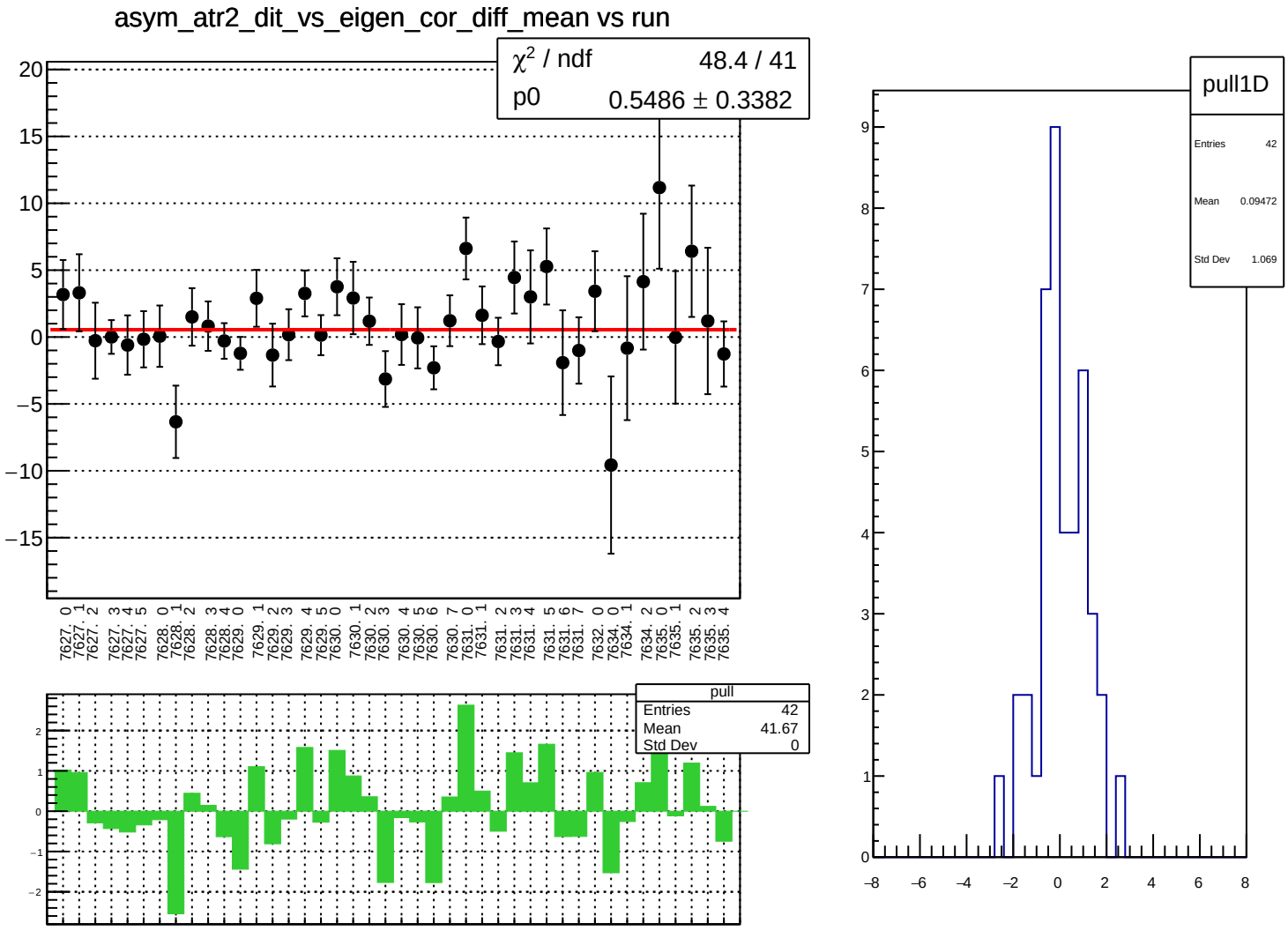

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 43.08 / 41
p0 1.899e−12 ± 5.499e−12
0.015
0.01
0.005
0
−0.005
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.23
Std Dev 15.98
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.151
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

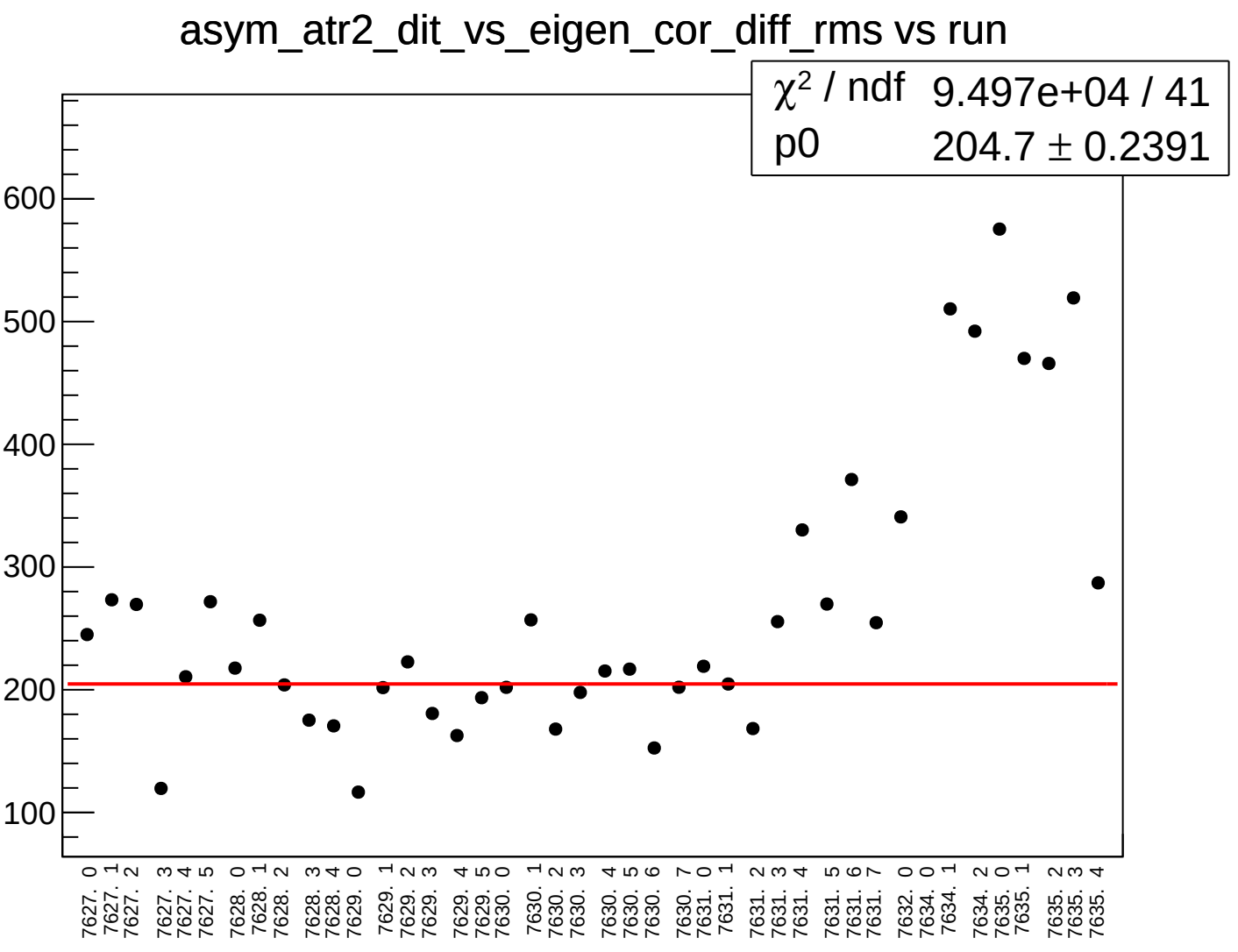

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 4.544e+05 / 41
p0 2.376e−09 ± 3.888e−12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

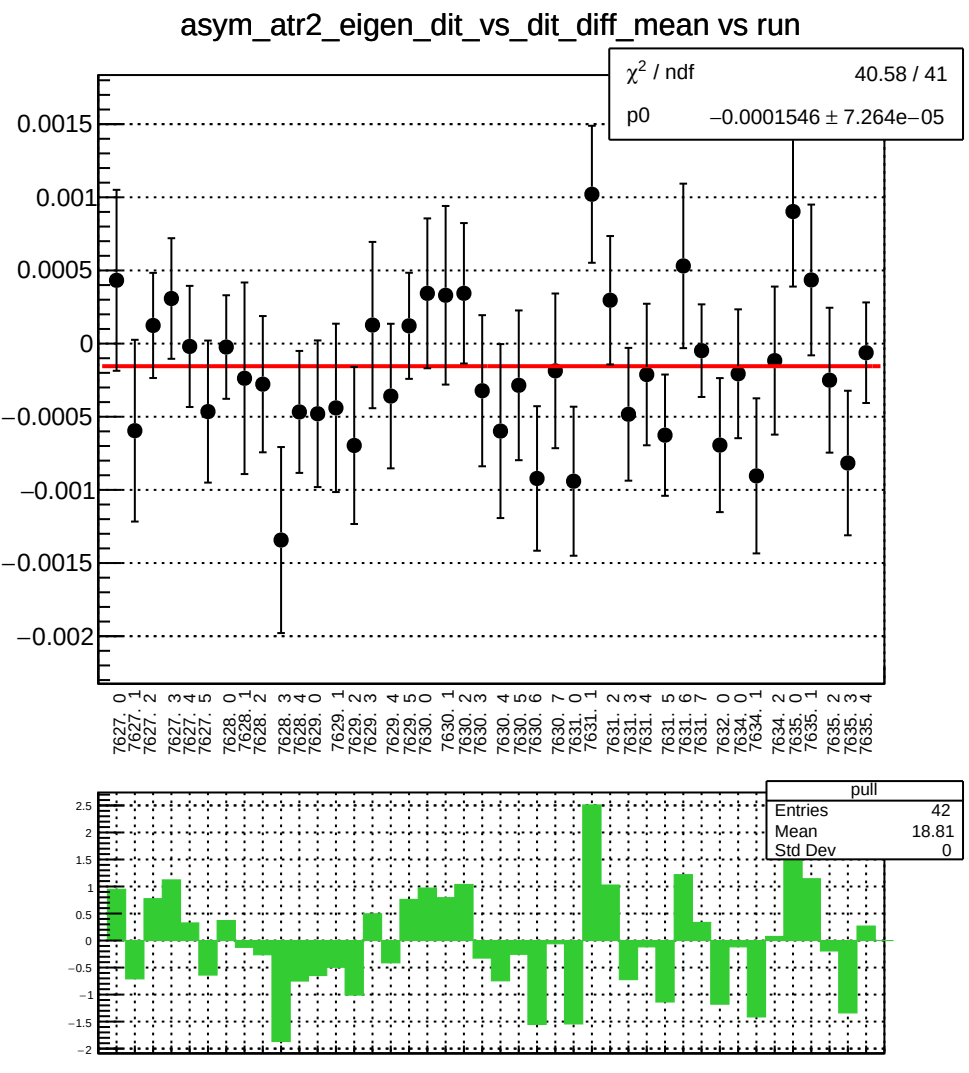

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 48.4 / 41
p0 0.5486 ± 0.3382
pull
Entries 42
Mean 41.67
Std Dev 0

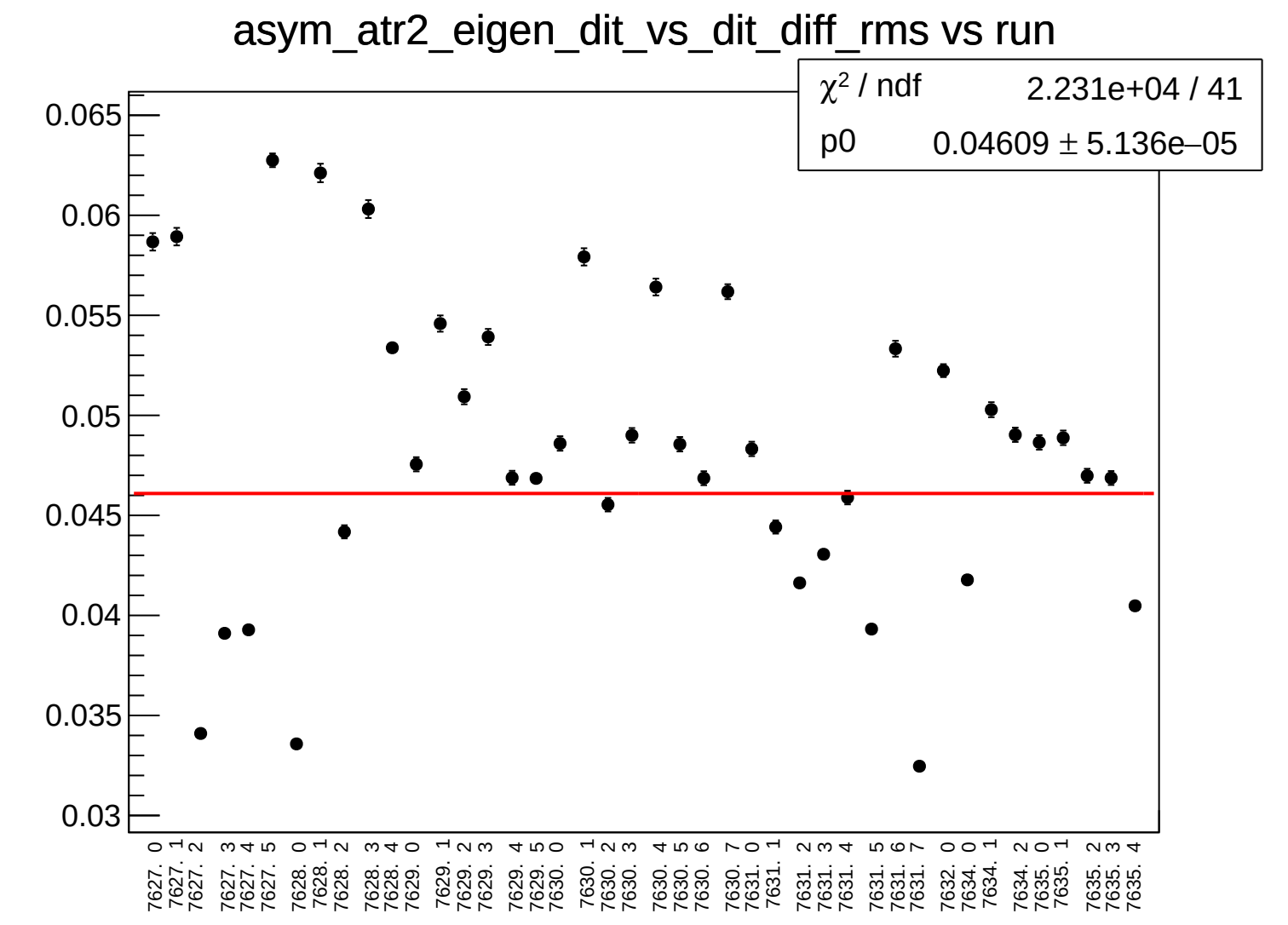

pull1D
Entries 42
Mean 0.09472
Std Dev 1.069


asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 9.497e+04 / 41
p0 204.7 ± 0.2391
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.4 / 41
p0 0.5486 ± 0.3382
pull
Entries 42
Mean 41.67
Std Dev 0
pull1D
Entries 42
Mean 0.09472
Std Dev 1.069


asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.497e+04 / 41
p0 204.7 ± 0.2391
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 40.58 / 41
p0 −0.0001546 ± 7.264e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.81
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03284
Std Dev 0.9824
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.231e+04 / 41
p0 0.04609 ± 5.136e−05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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7634. 0
7634. 1
7634. 2
7635. 0
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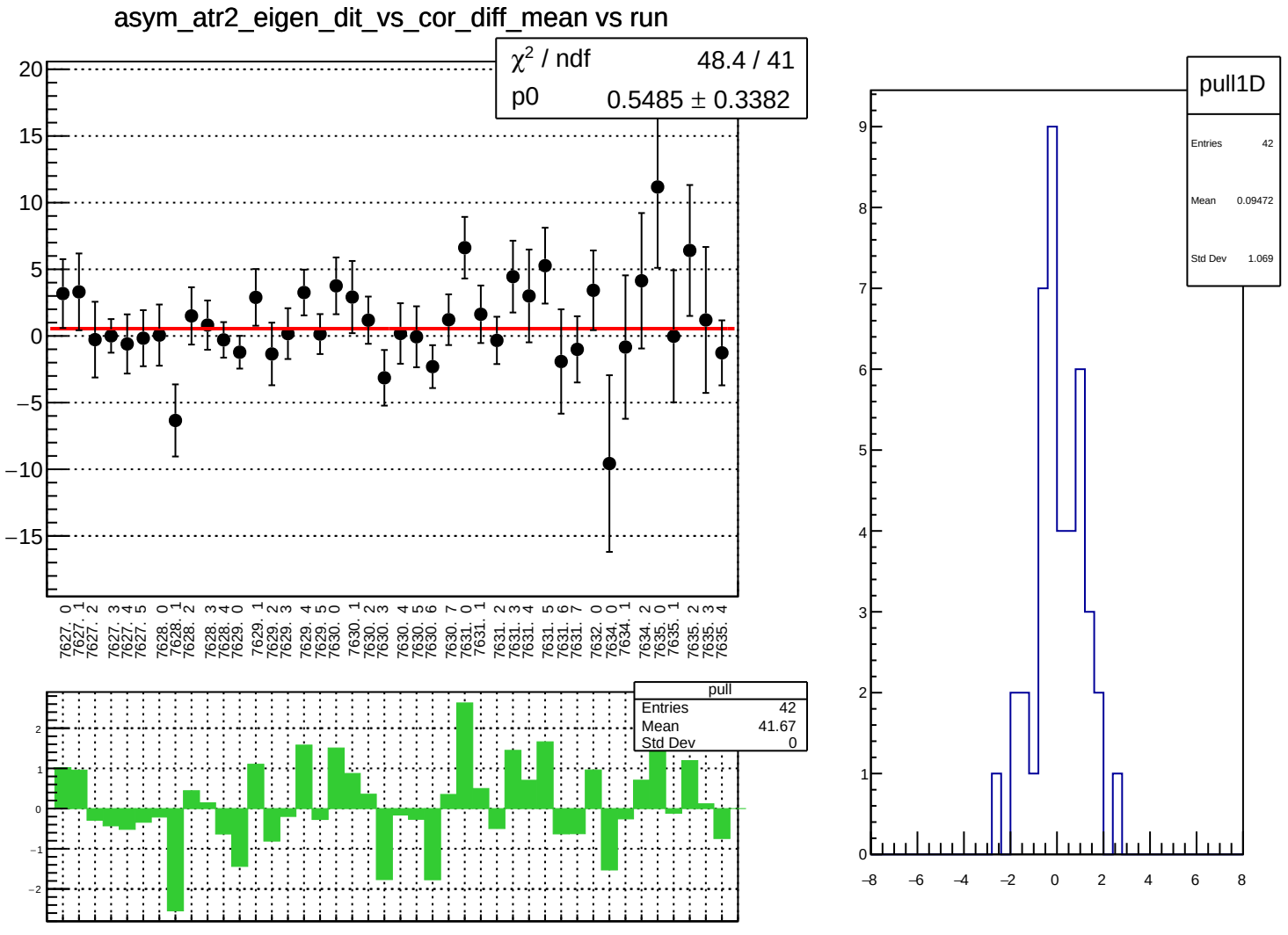
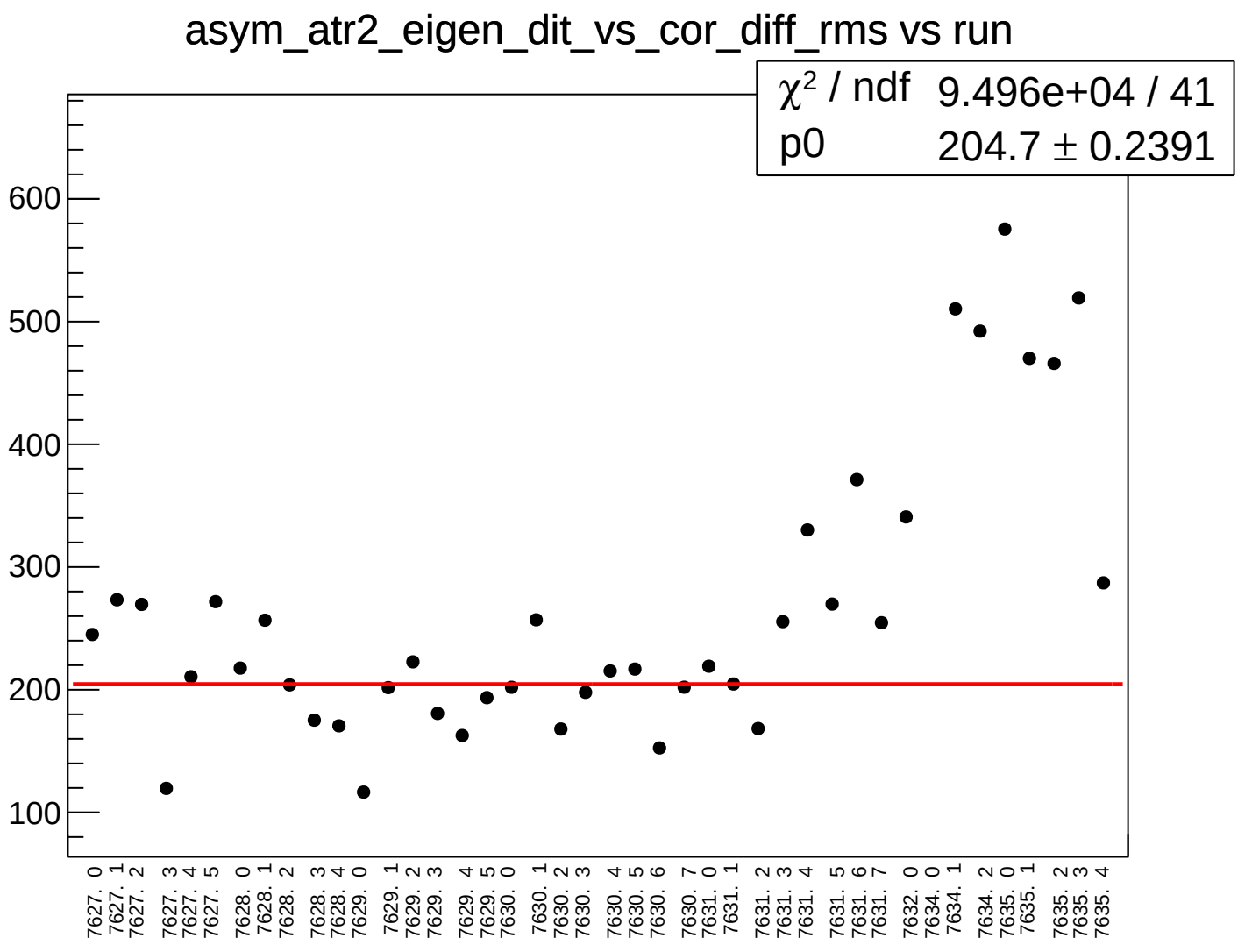
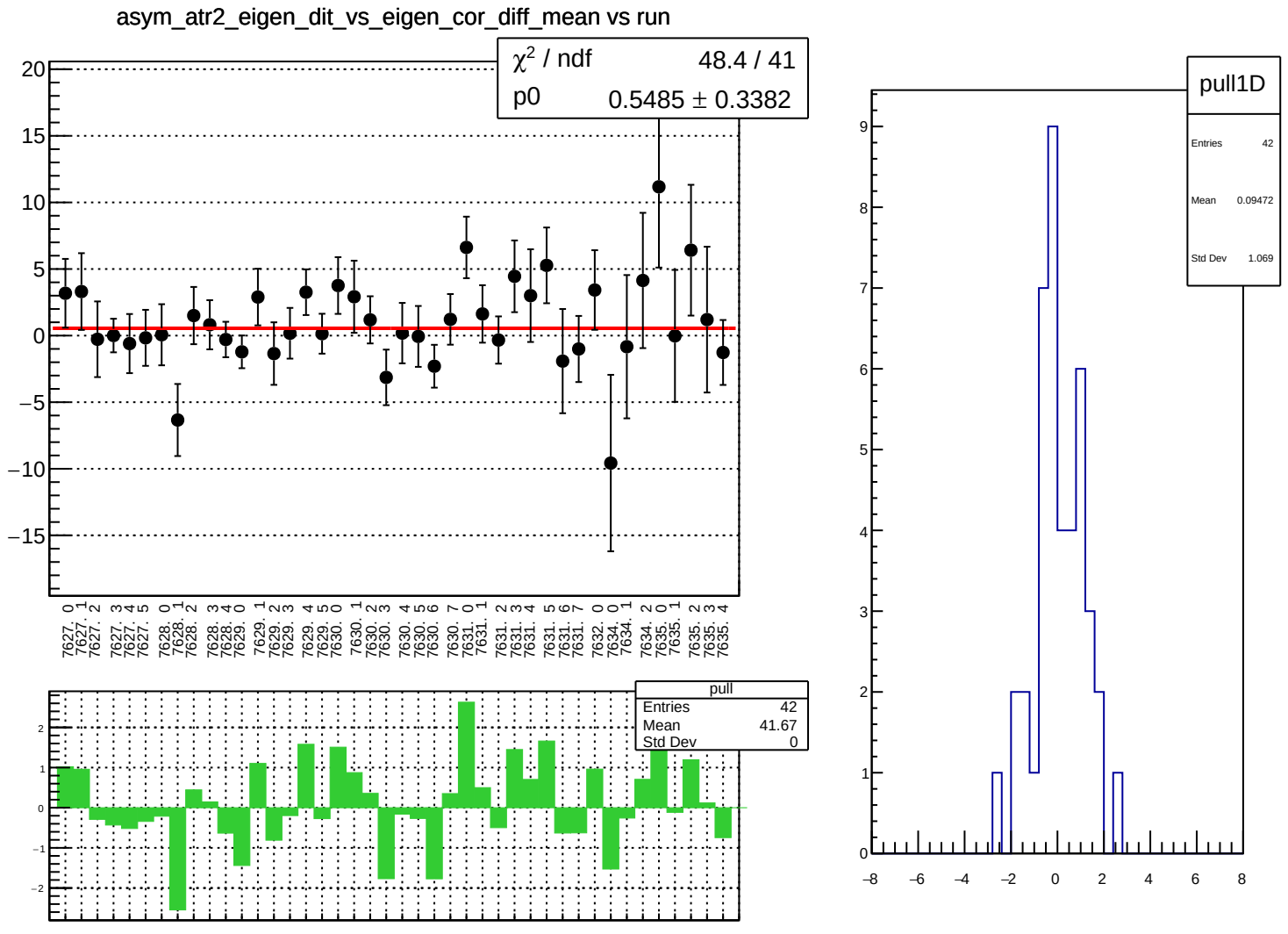
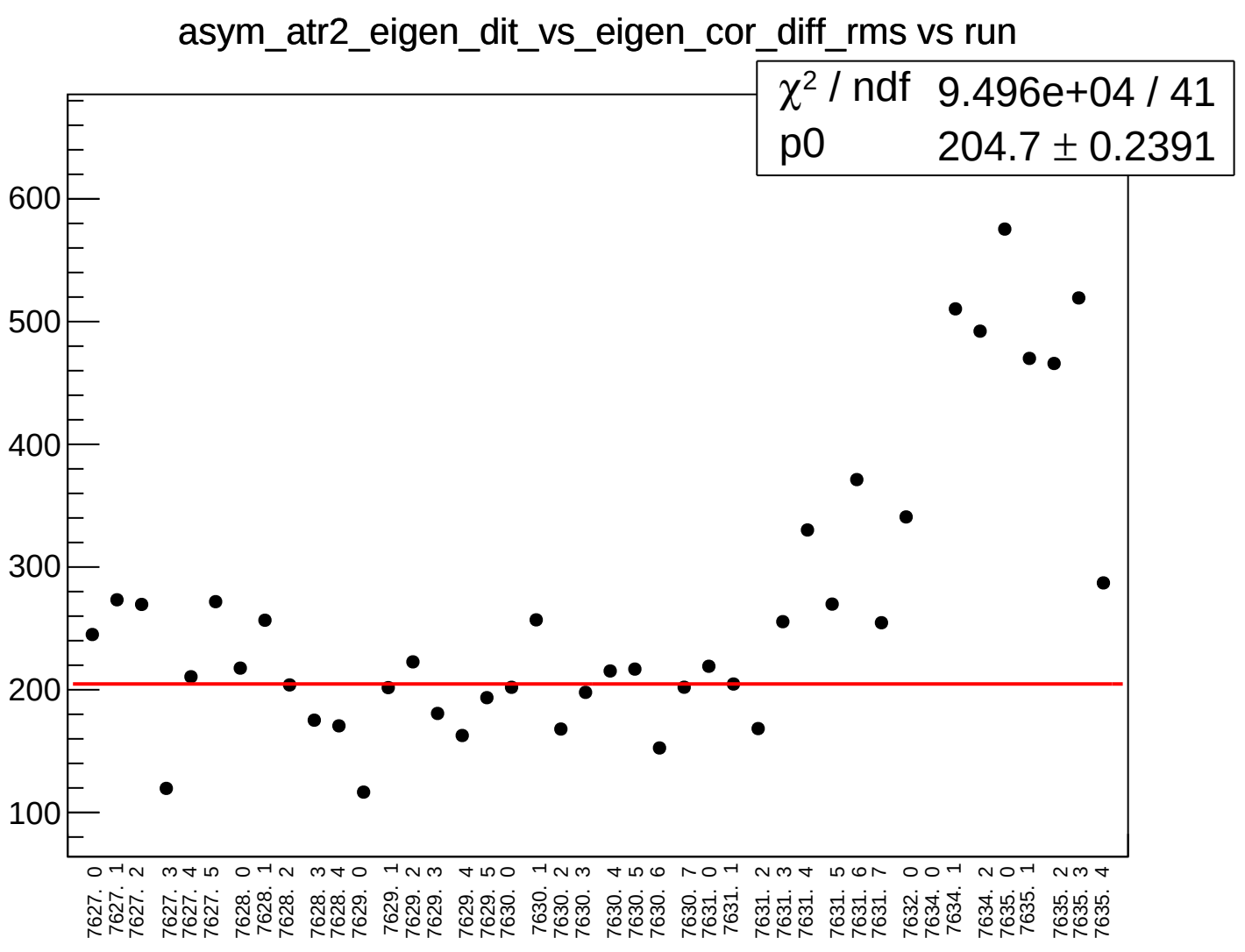
7635. 2
7635. 3
7635. 4


asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.4 / 41
p0 0.5485 ± 0.3382
pull
Entries 42
Mean 41.67
Std Dev 0
pull1D
Entries 42
Mean 0.09472
Std Dev 1.069


asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.496e+04 / 41
p0 204.7 ± 0.2391
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.4 / 41
p0 0.5485 ± 0.3382
pull
Entries 42
Mean 41.67
Std Dev 0
pull1D
Entries 42
Mean 0.09472
Std Dev 1.069


asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.496e+04 / 41
p0 204.7 ± 0.2391
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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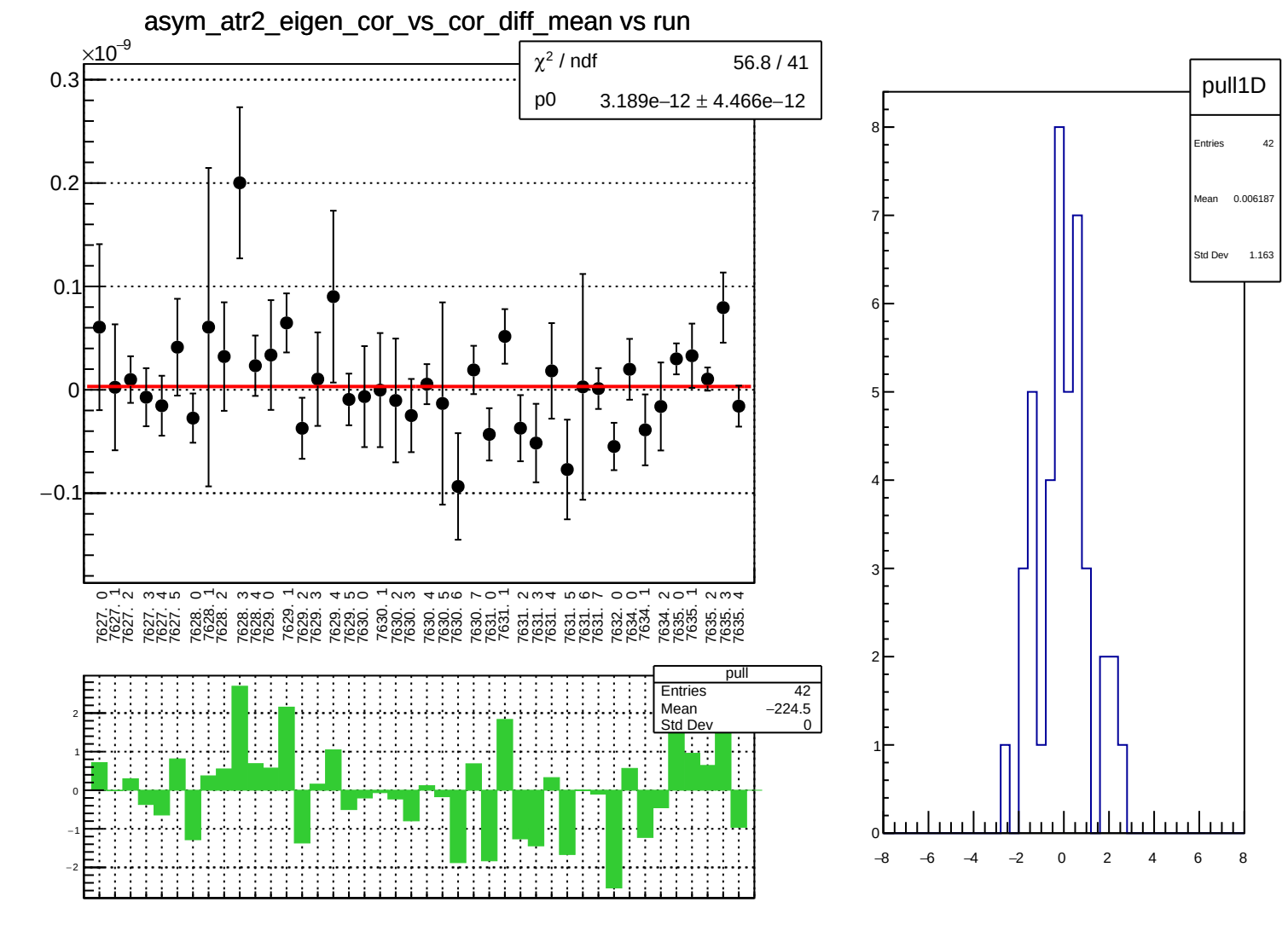
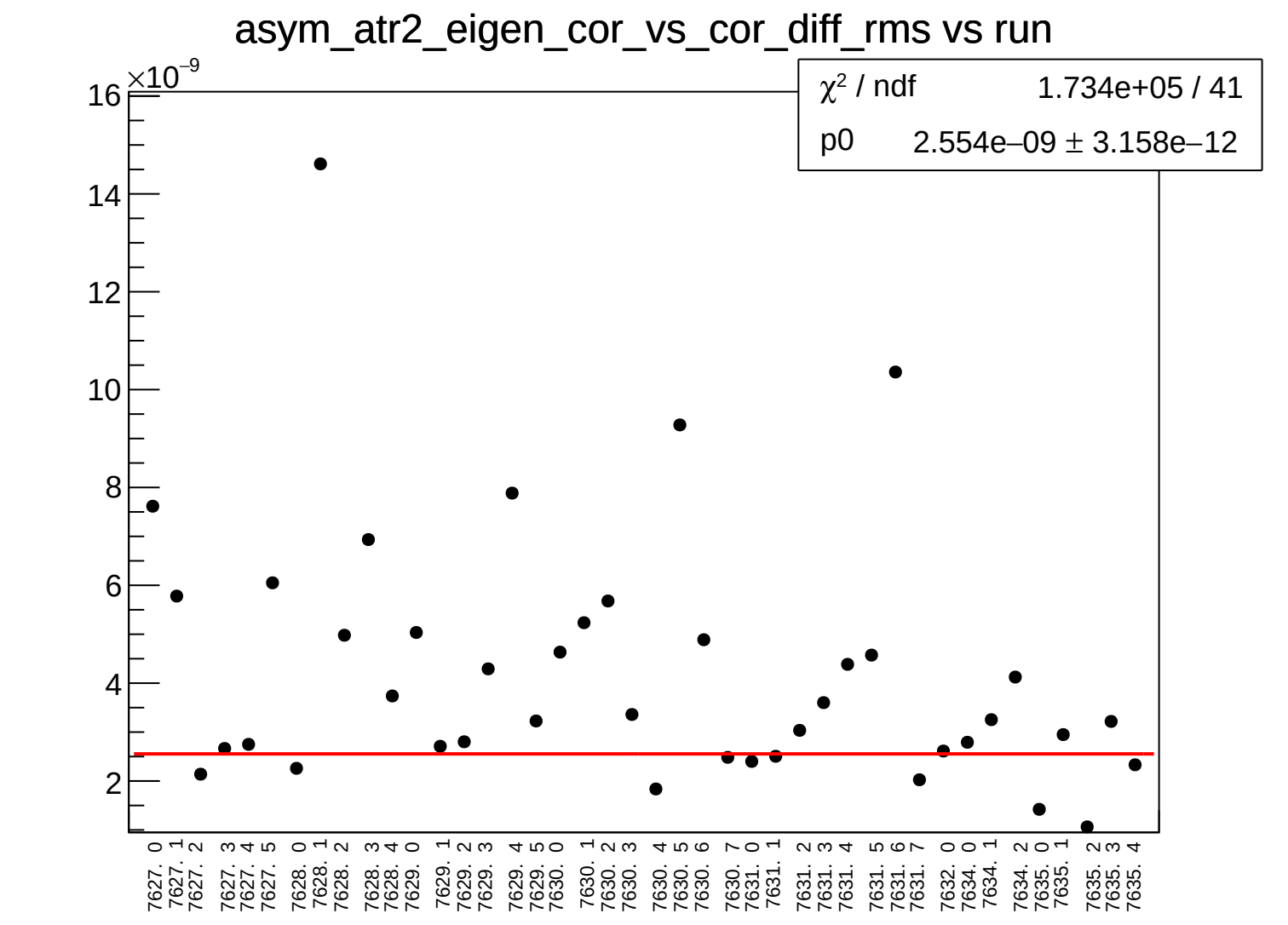
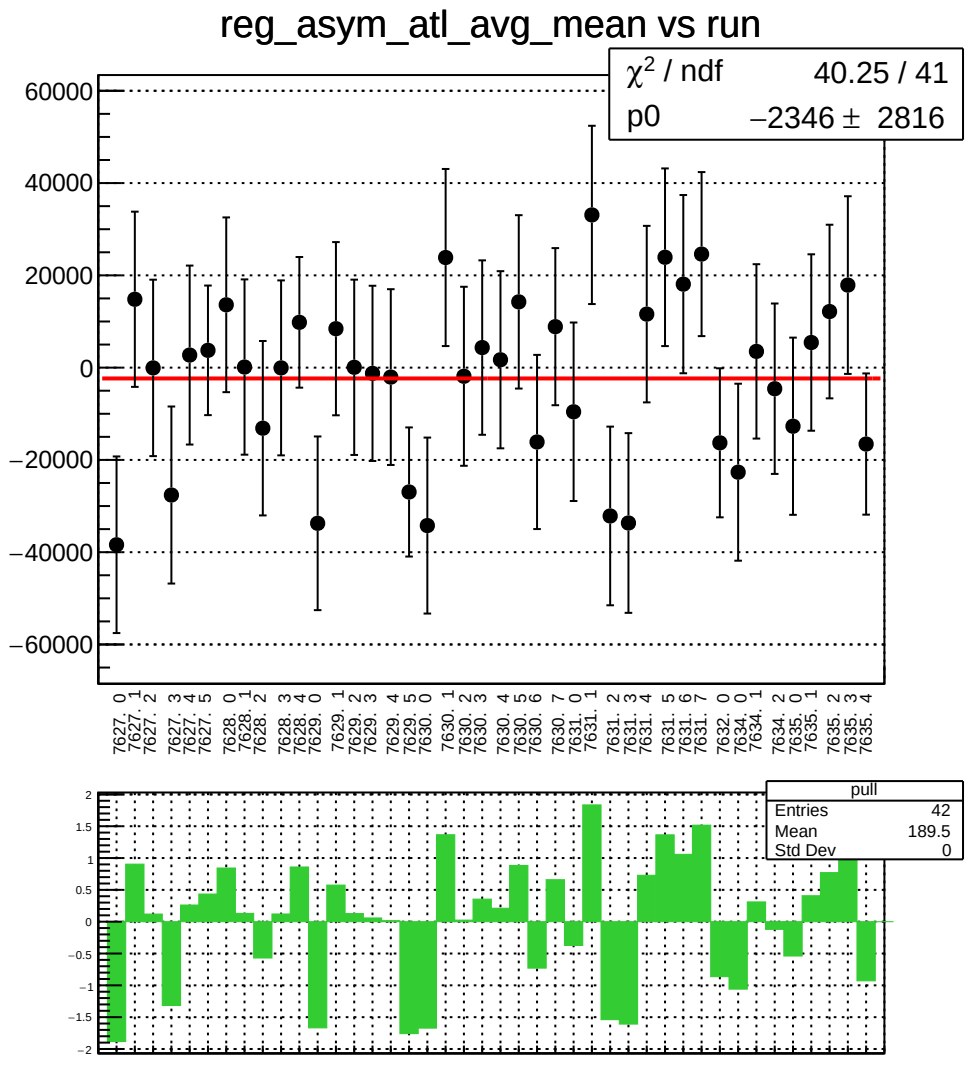
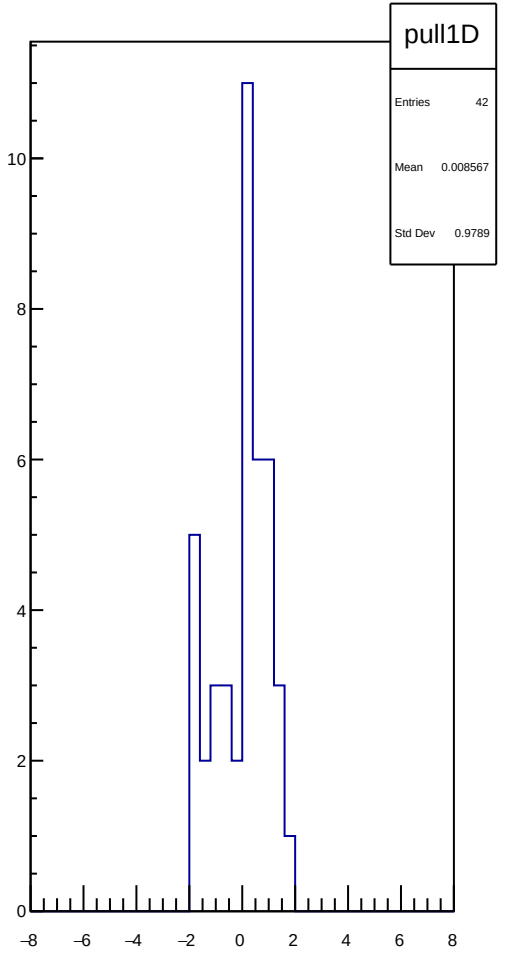
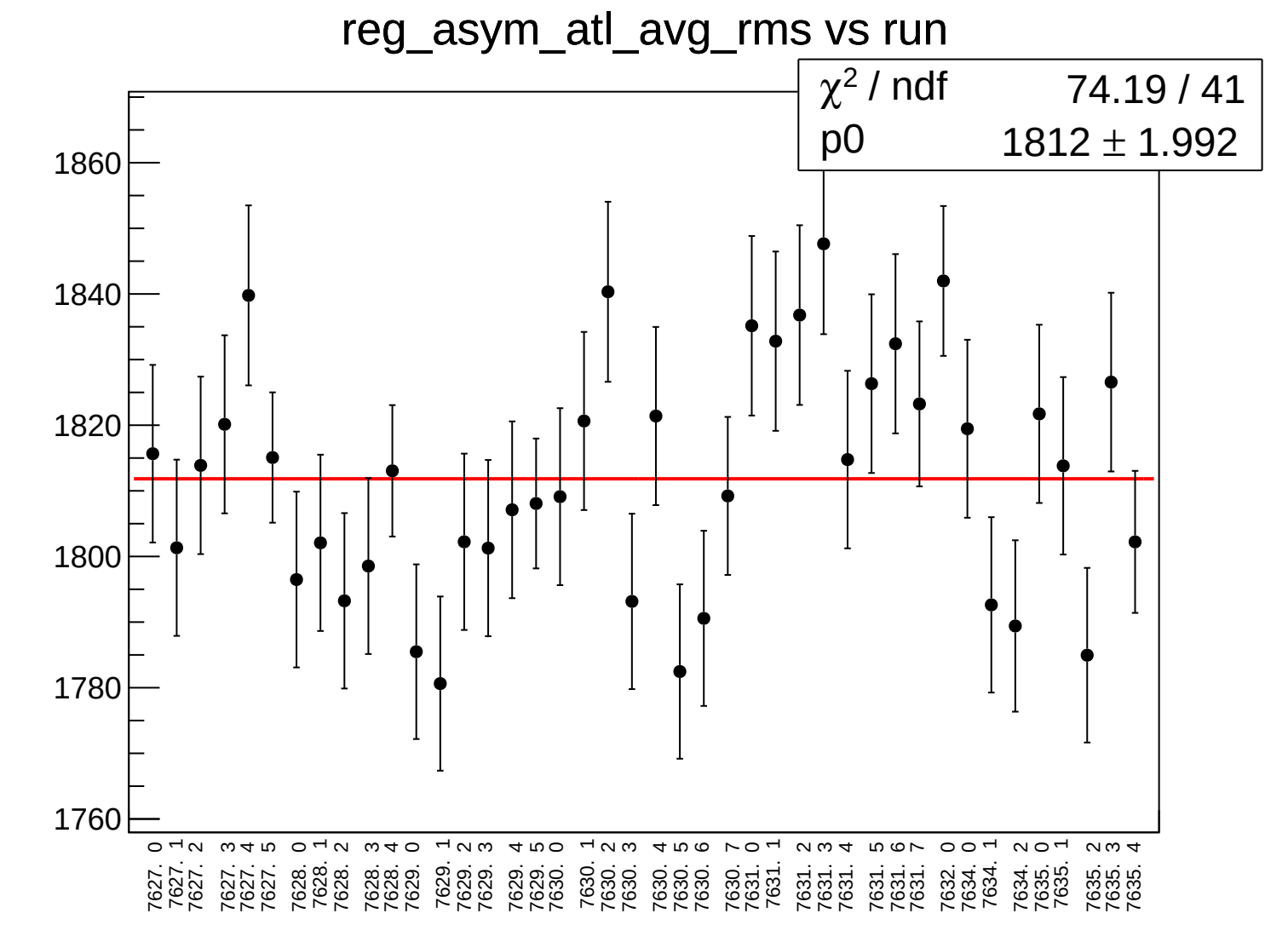
7635. 3
7635. 4

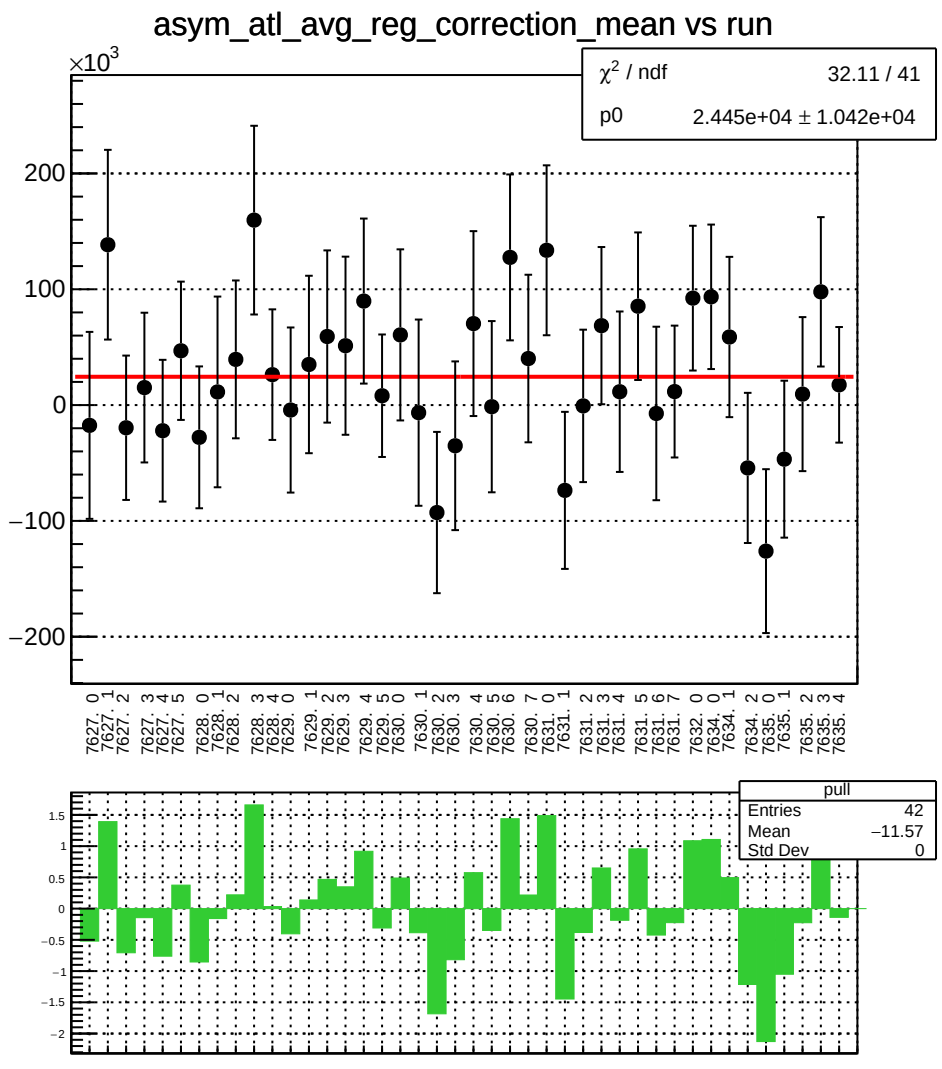

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 56.8 / 41
p0 3.189e−12 ± 4.466e−12
0.3
0.2
0.1
0
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −224.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.006187
Std Dev 1.163
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

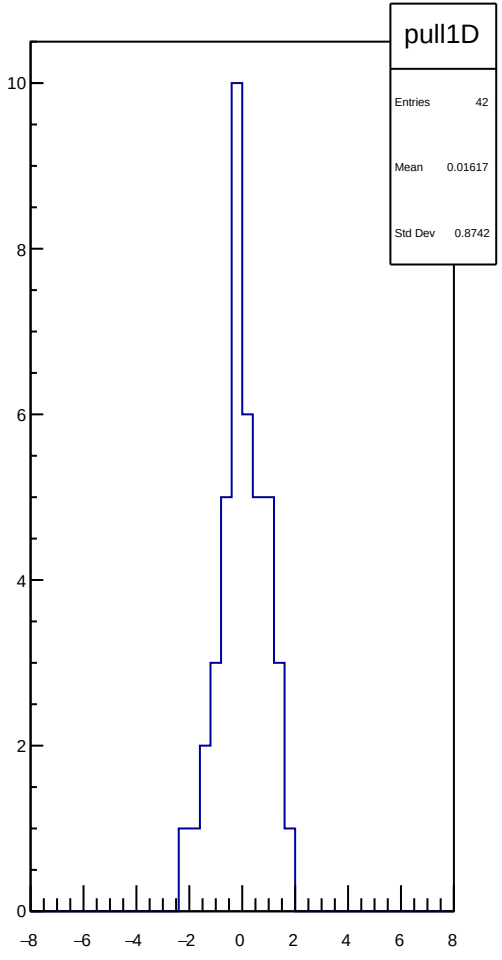

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
16
14
12
10
8
6
4
2
χ² / ndf 1.734e+05 / 41
p0 2.554e−09 ± 3.158e−12
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

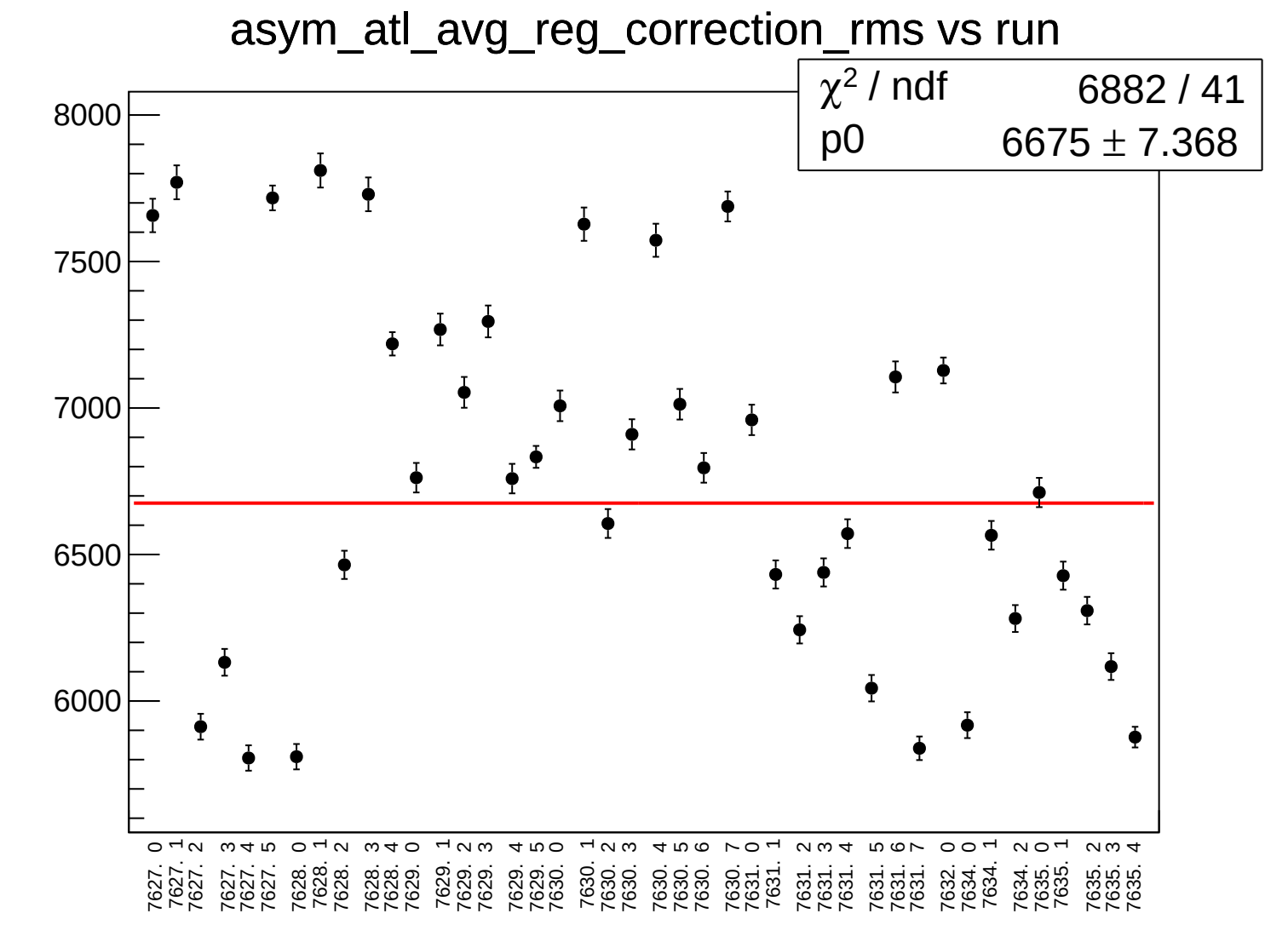

reg_asym_atl_avg_mean vs run
χ² / ndf 40.25 / 41
p0 −2346 ± 2816
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 189.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

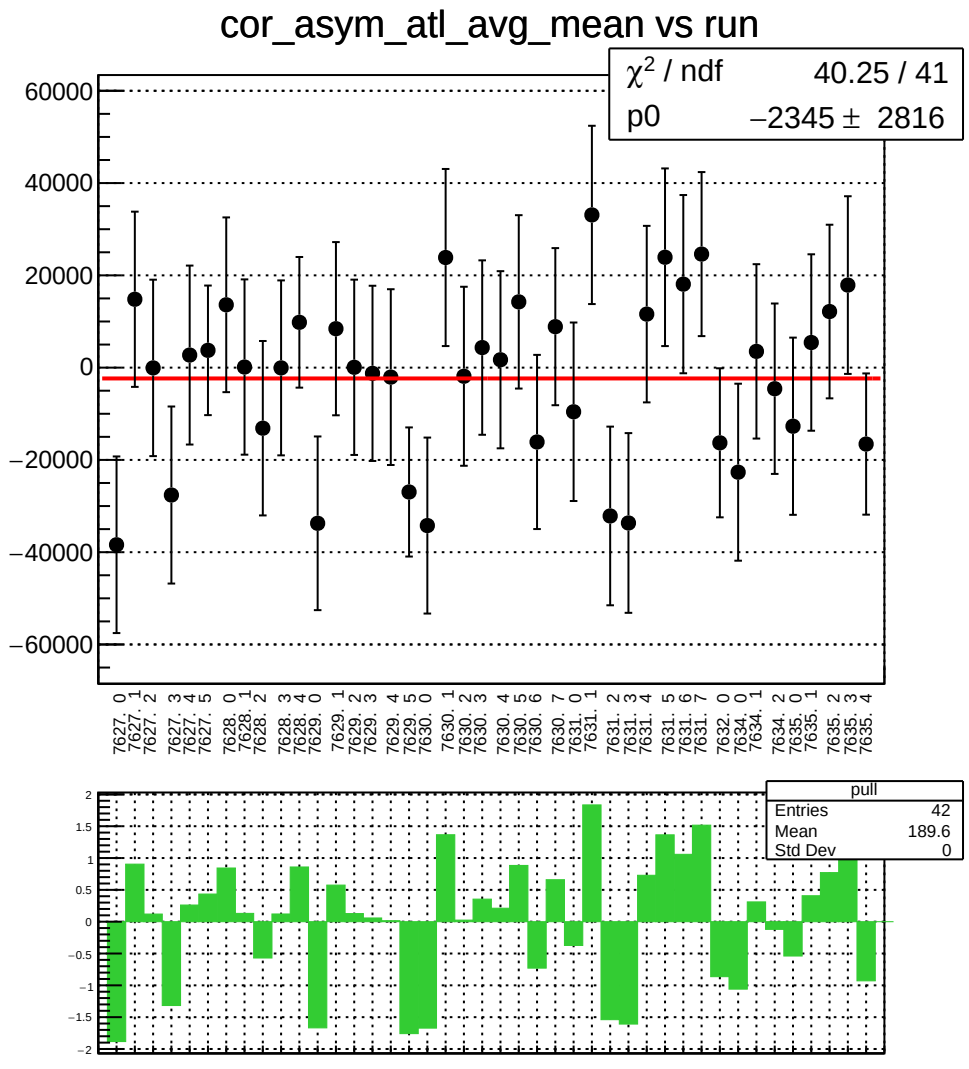

pull1D
Entries 42
Mean 0.008567
Std Dev 0.9789
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

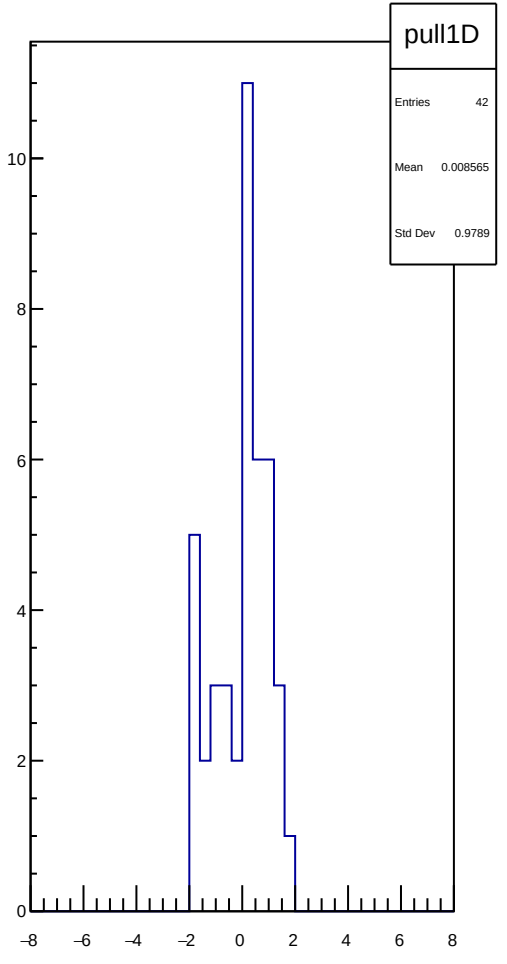

reg_asym_atl_avg_rms vs run
χ^2 / ndf 74.19 / 41
p0 1812 ± 1.992
1860
1840
1820
1800
1780
1760
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

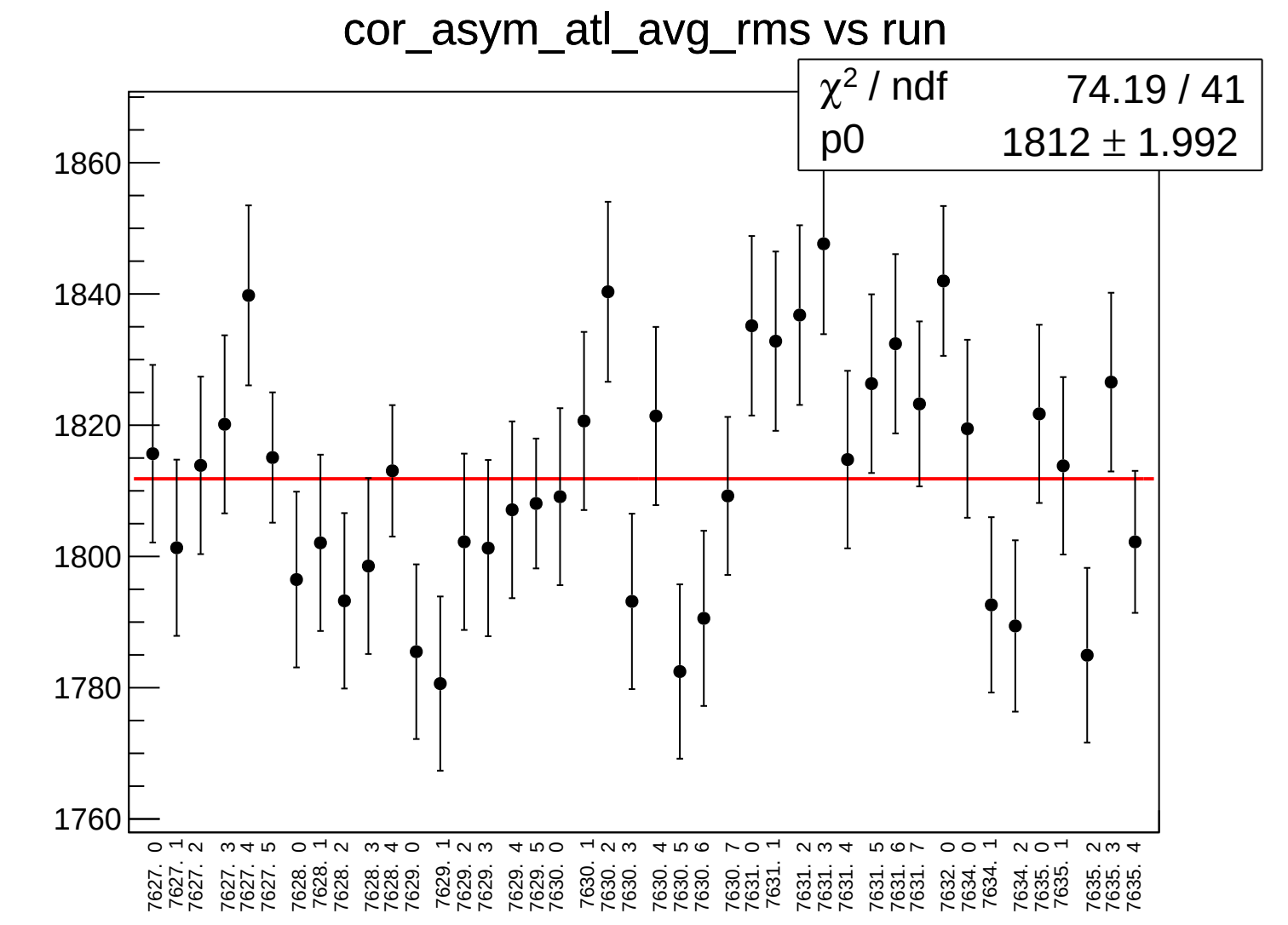

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 32.11 / 41
p0 2.445e+04 ± 1.042e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

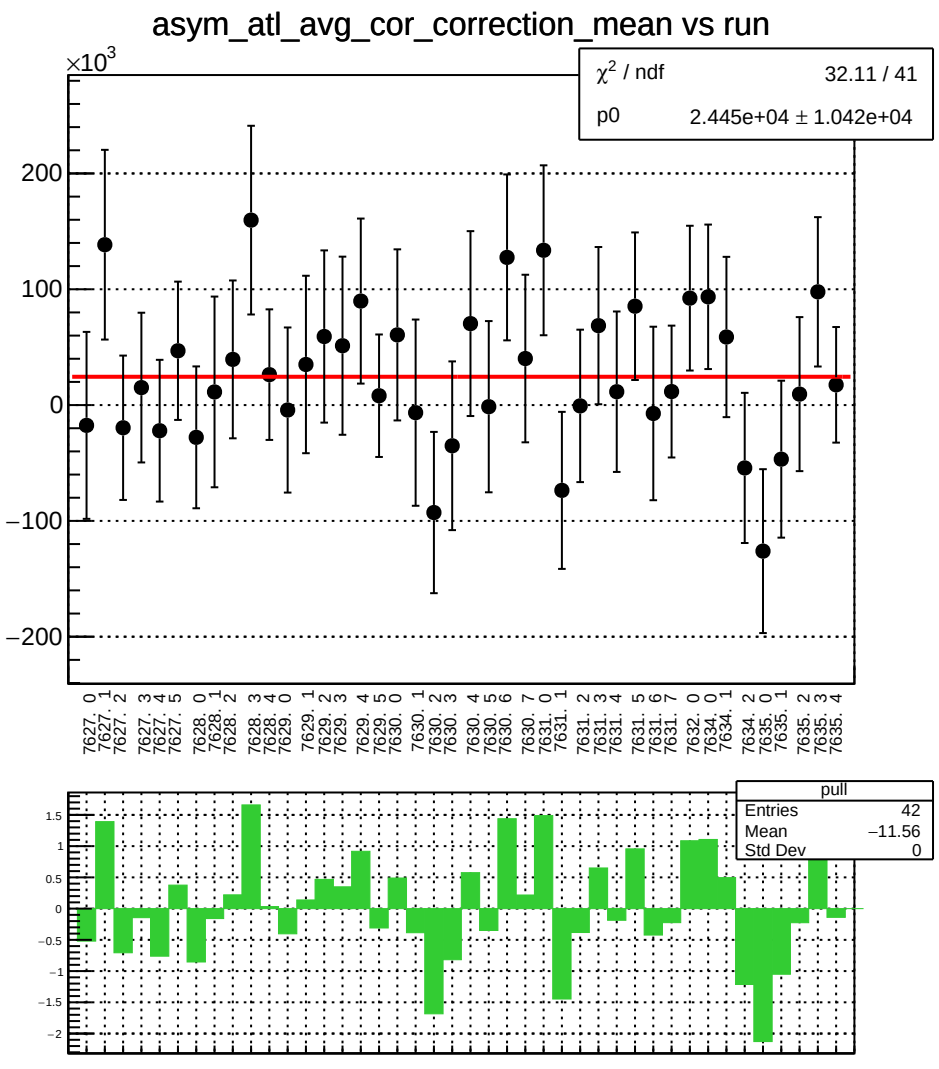

pull1D
Entries 42
Mean 0.01617
Std Dev 0.8742
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

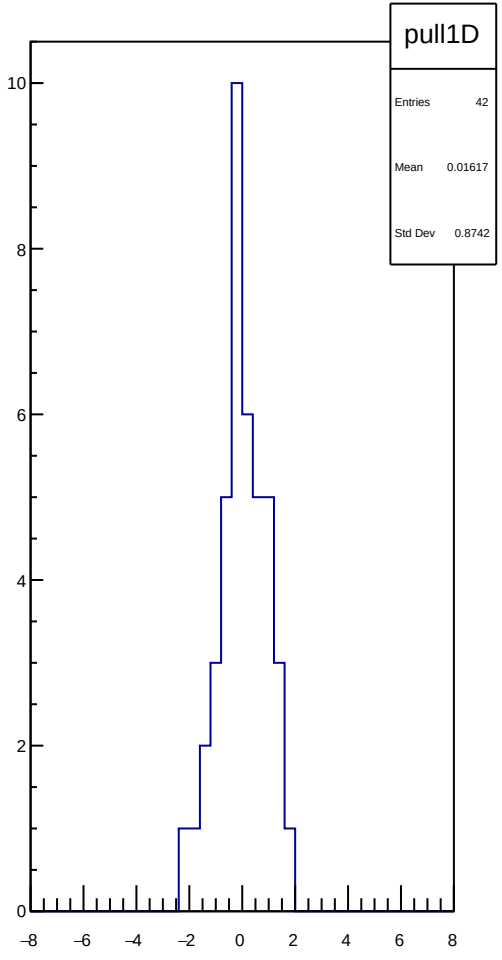

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 6882 / 41
p0 6675 ± 7.368
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

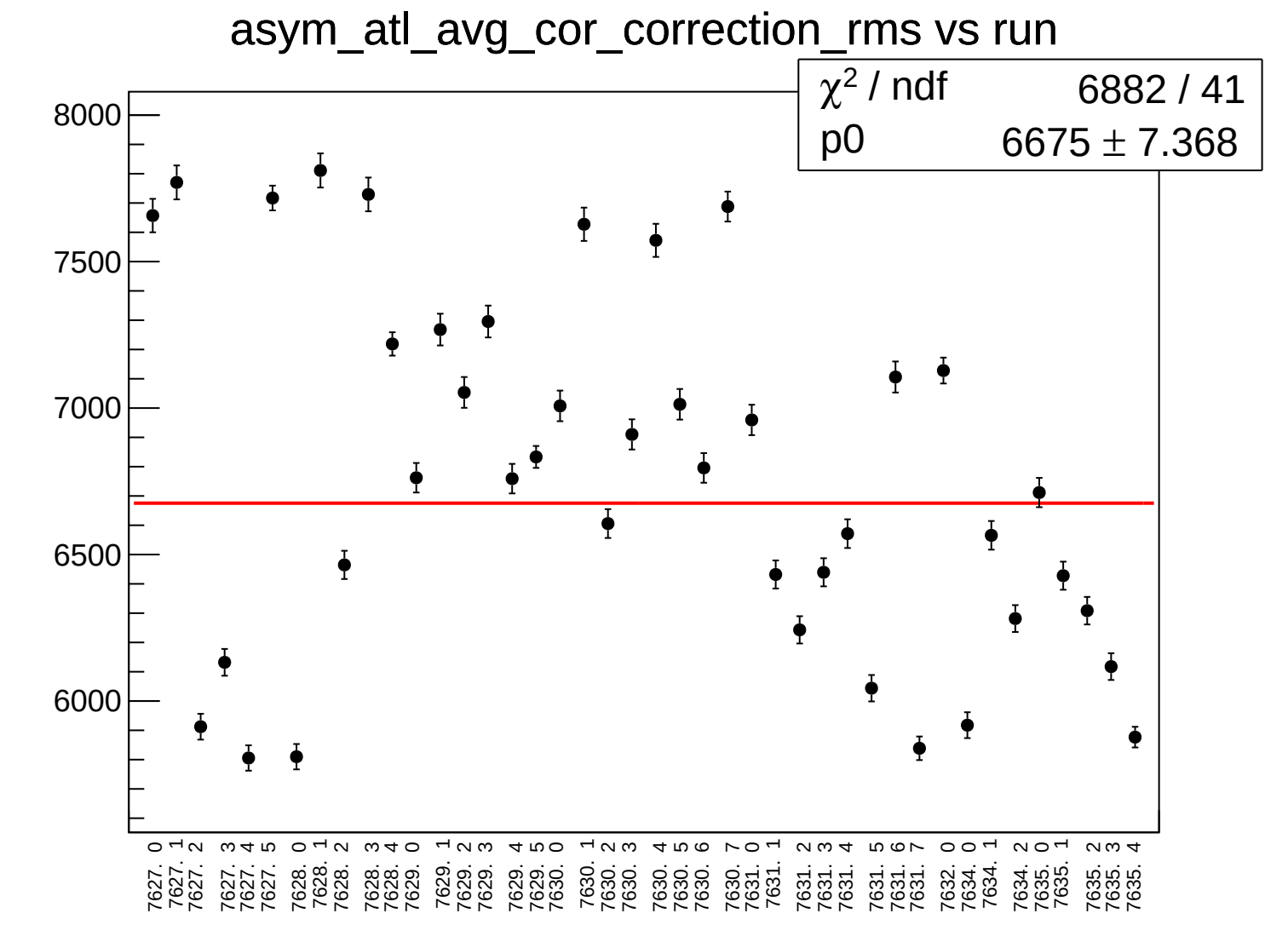

cor_asym_atl_avg_mean vs run
χ² / ndf 40.25 / 41
p0 −2345 ± 2816
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 189.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

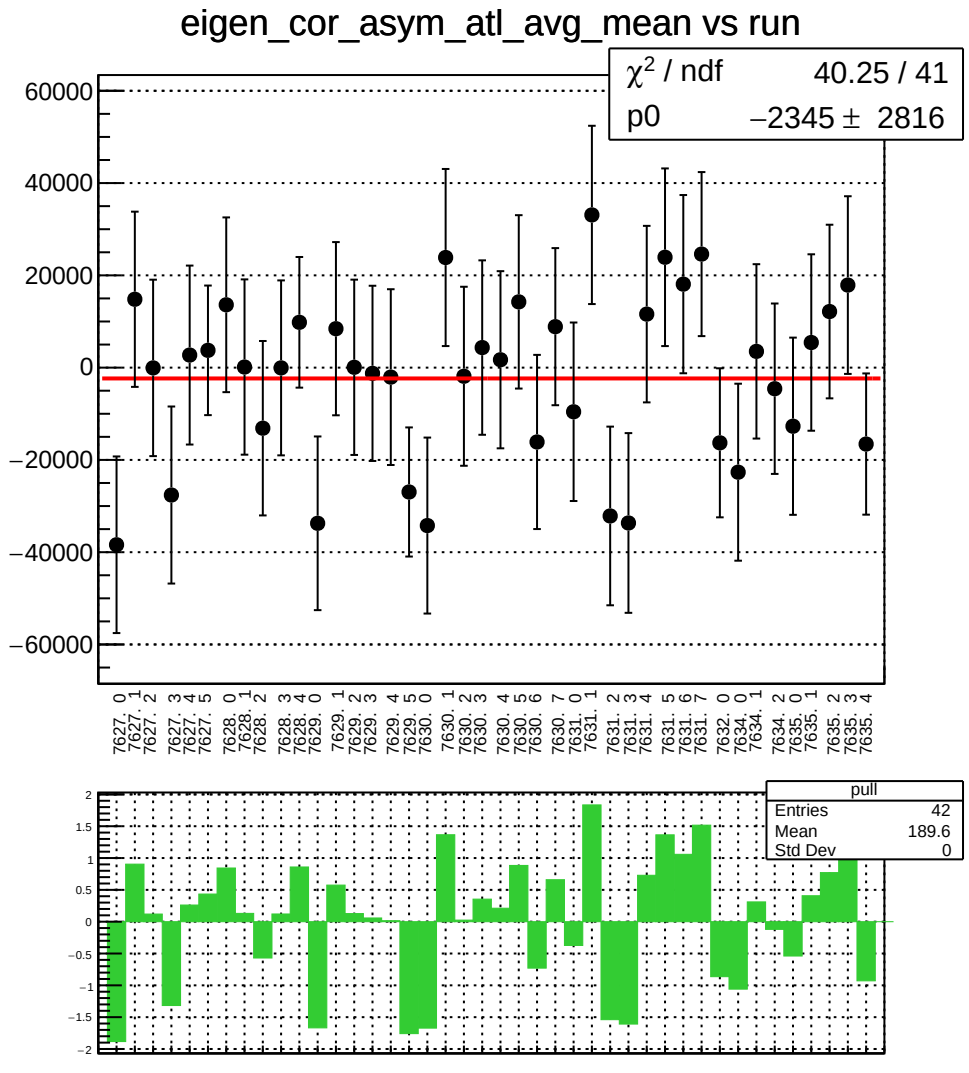

pull1D
Entries 42
Mean 0.008565
Std Dev 0.9789
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_avg_rms vs run
χ^2 / ndf 74.19 / 41
p0 1812 ± 1.992
1860
1840
1820
1800
1780
1760
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 32.11 / 41
p0 2.445e+04 ± 1.042e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.01617
Std Dev 0.8742
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_cor_correction_rms vs run
χ² / ndf 6882 / 41
p0 6675 ± 7.368
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 40.25 / 41
p0 −2345 ± 2816
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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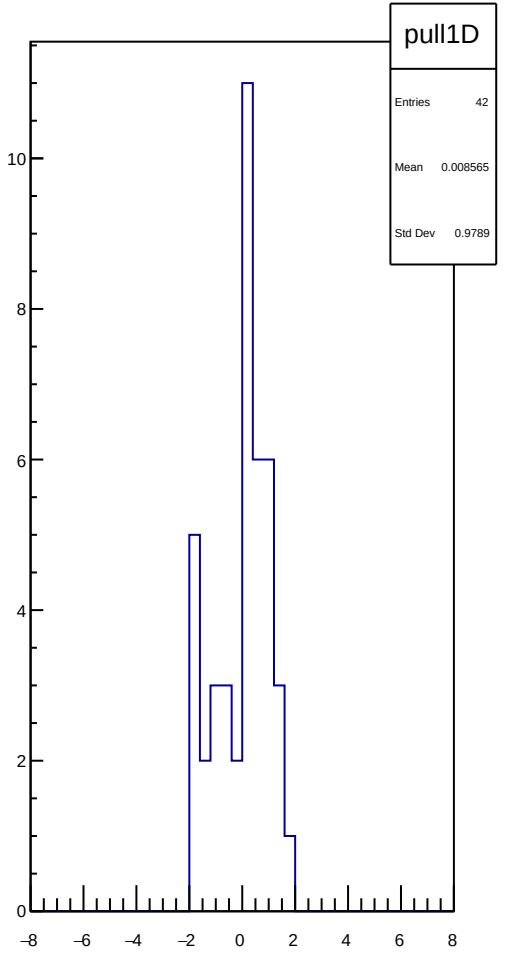
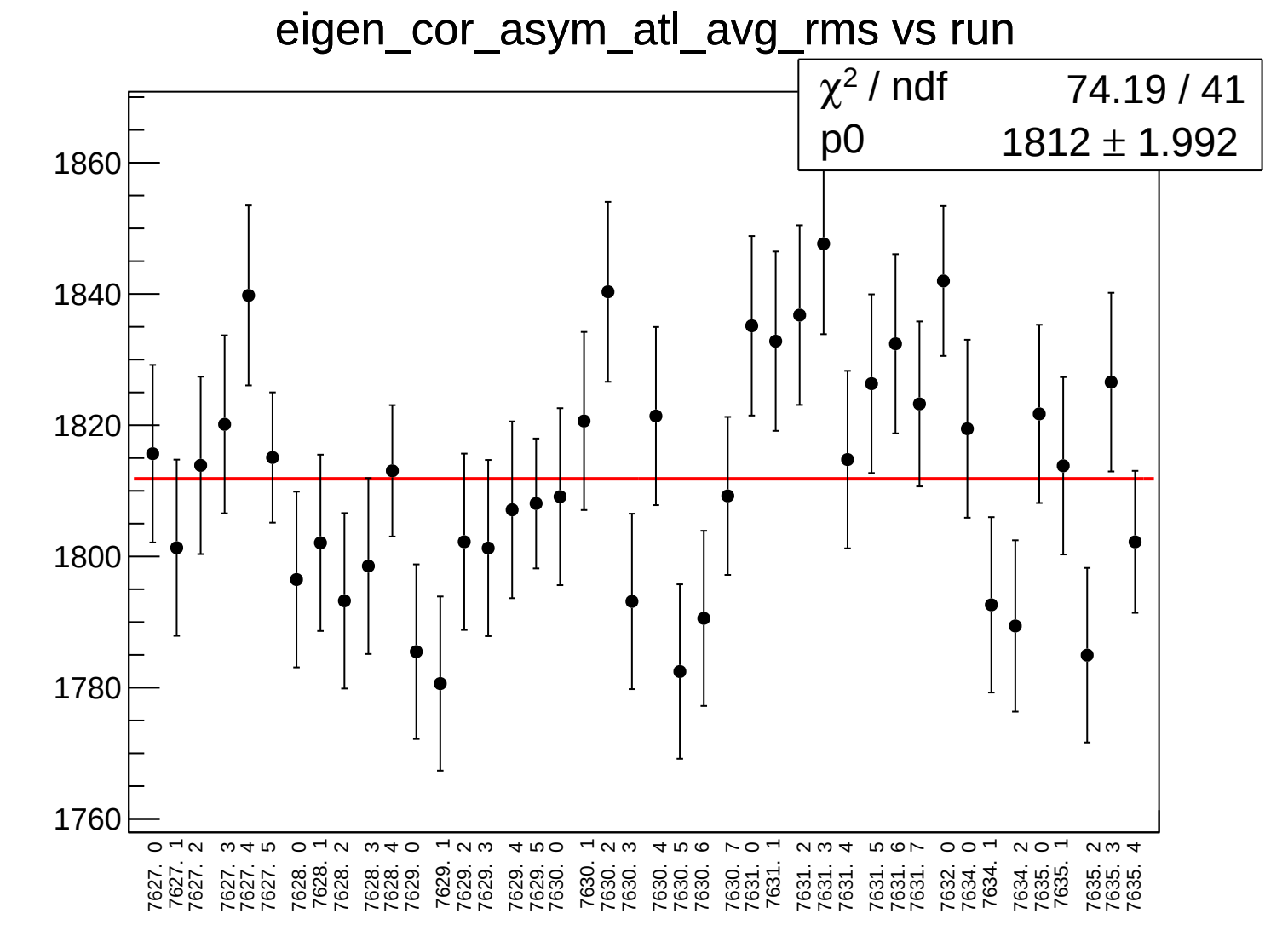
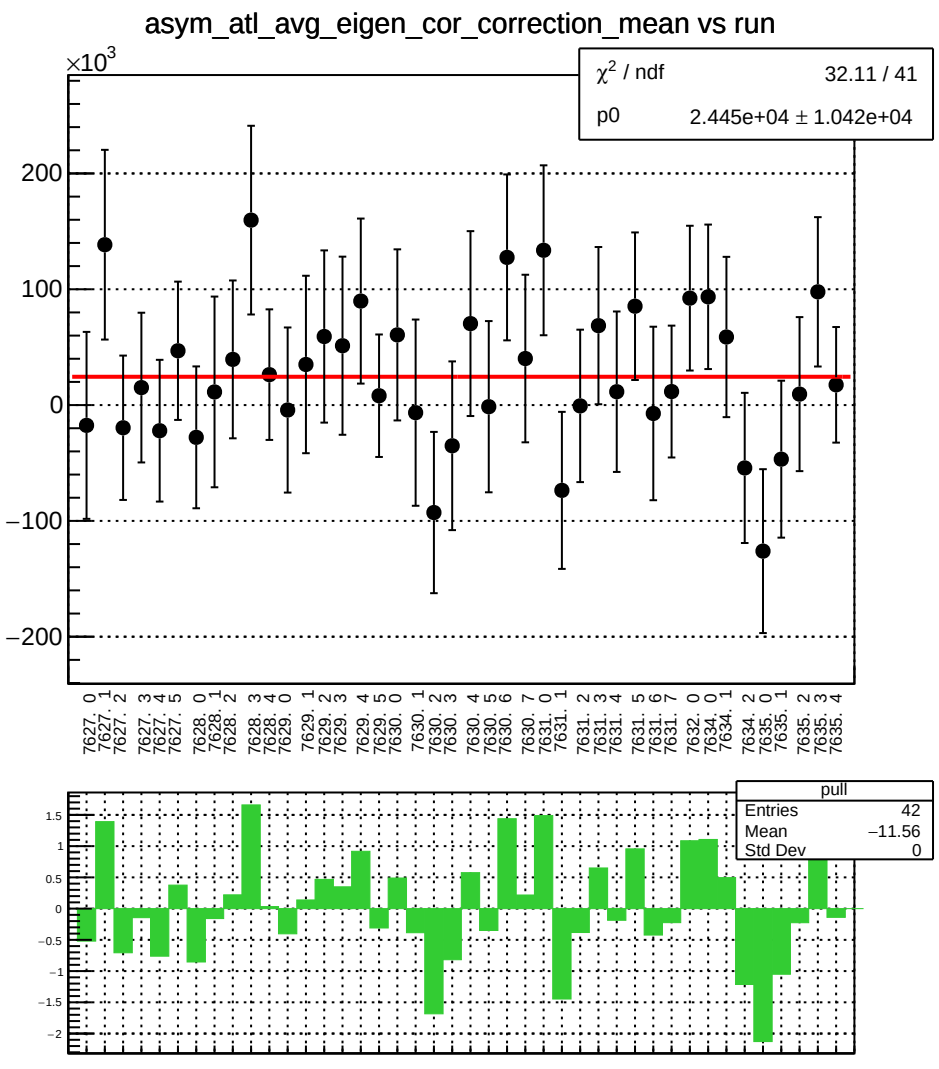
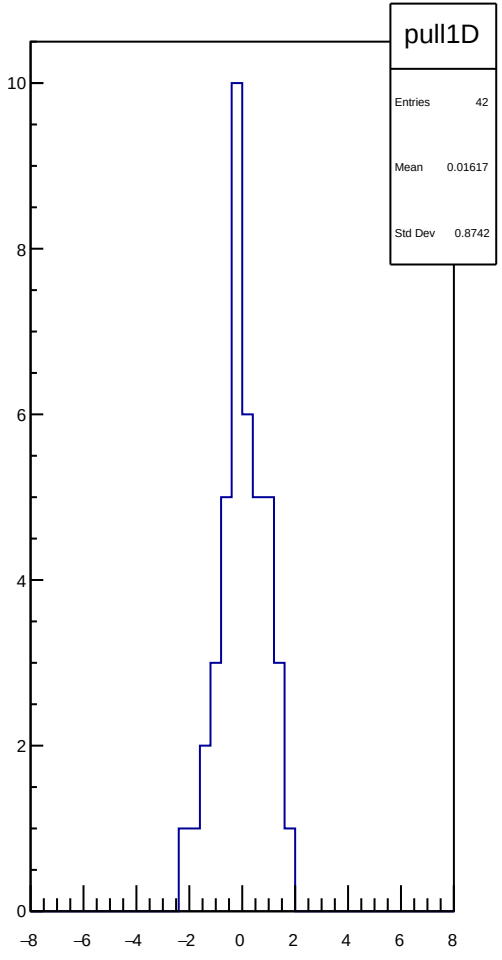
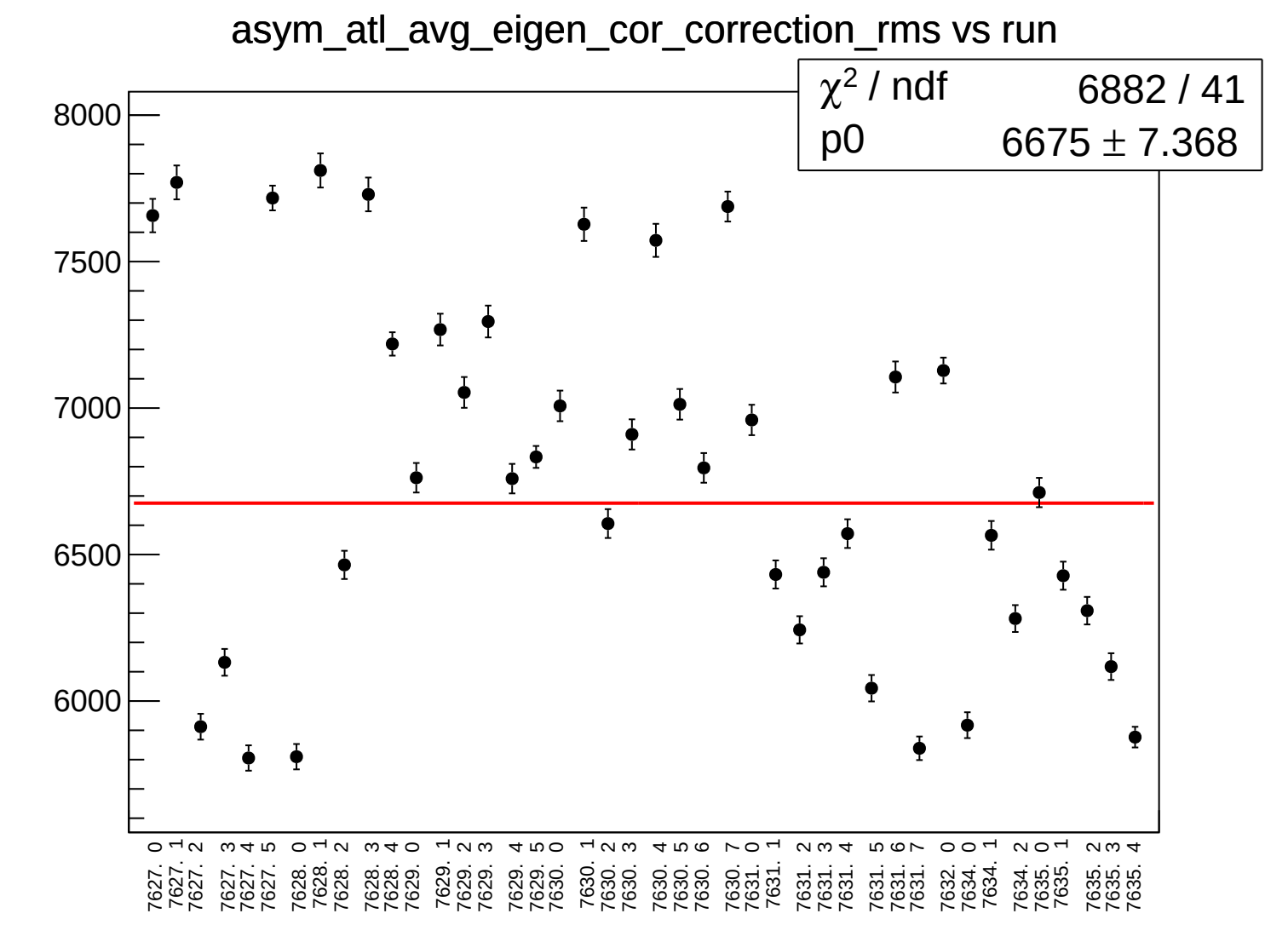
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 189.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

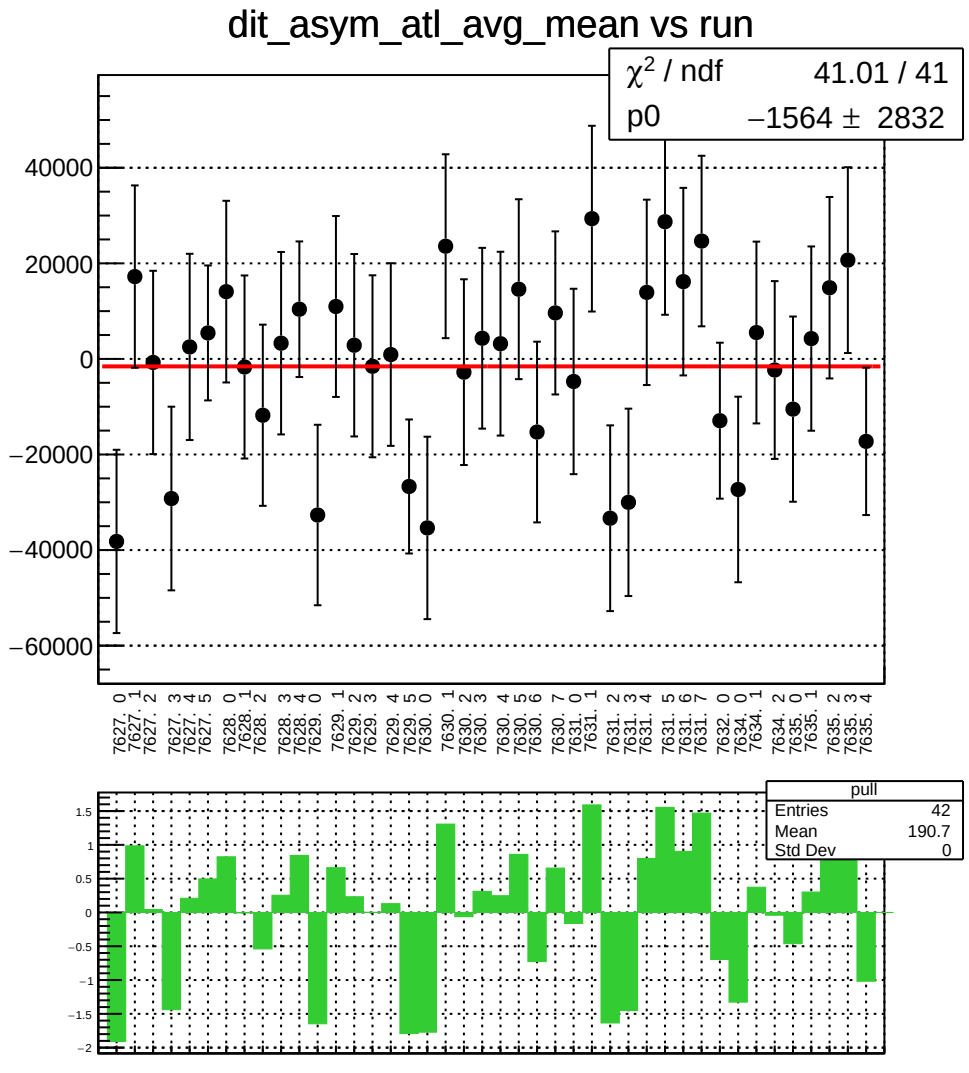

pull1D
Entries 42
Mean 0.008565
Std Dev 0.9789
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

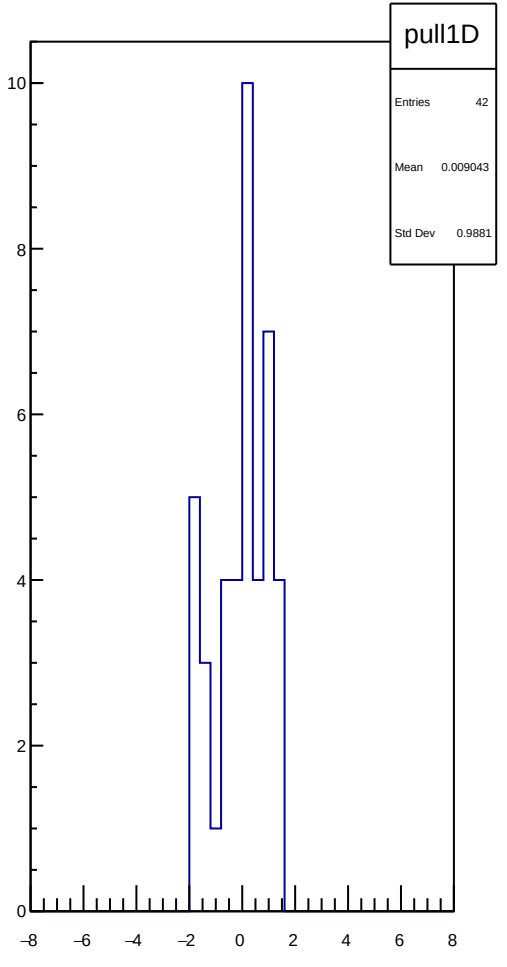

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 74.19 / 41
p0 1812 ± 1.992
1860
1840
1820
1800
1780
1760
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

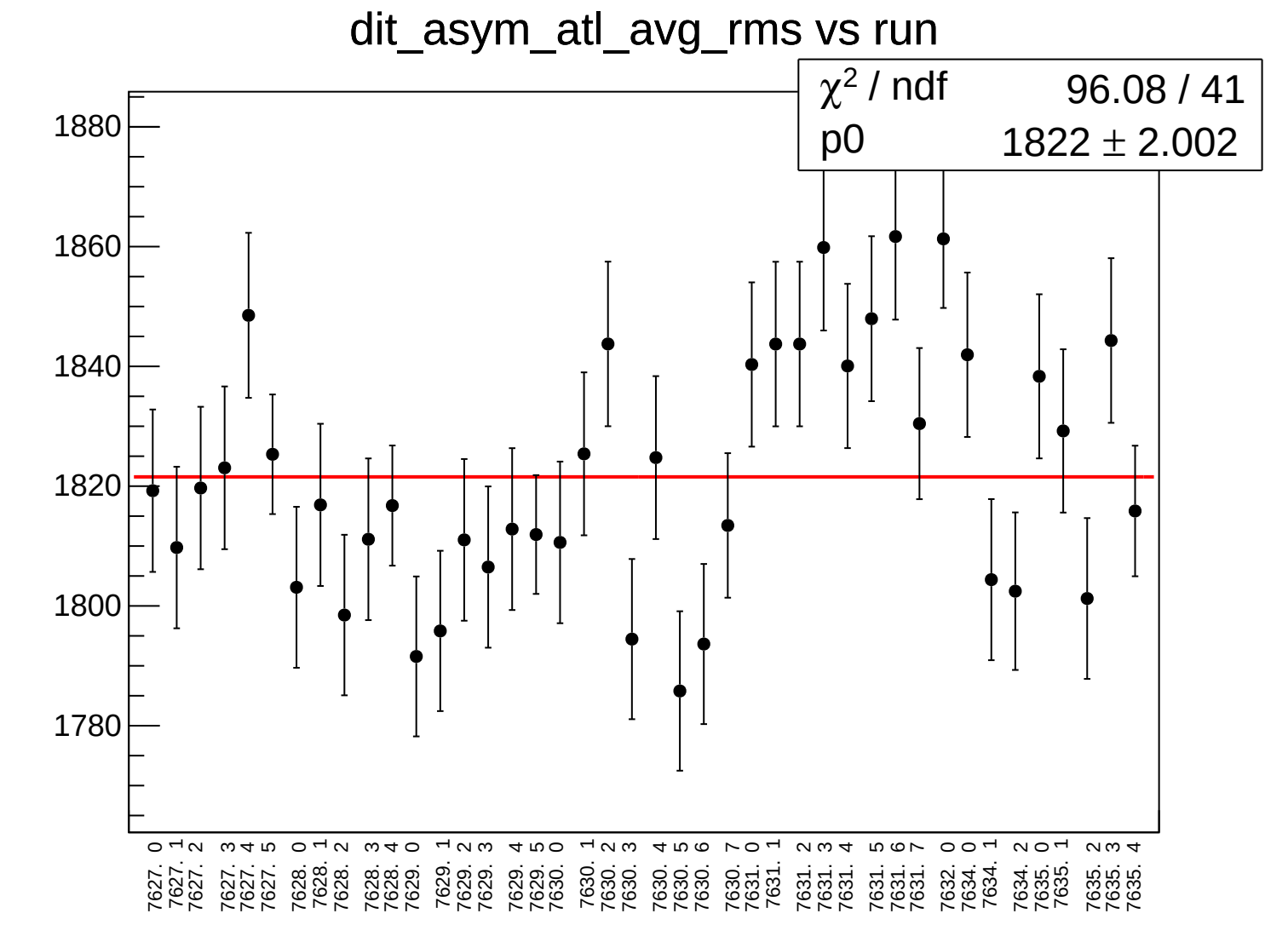

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.11 / 41
p0 2.445e+04 ± 1.042e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

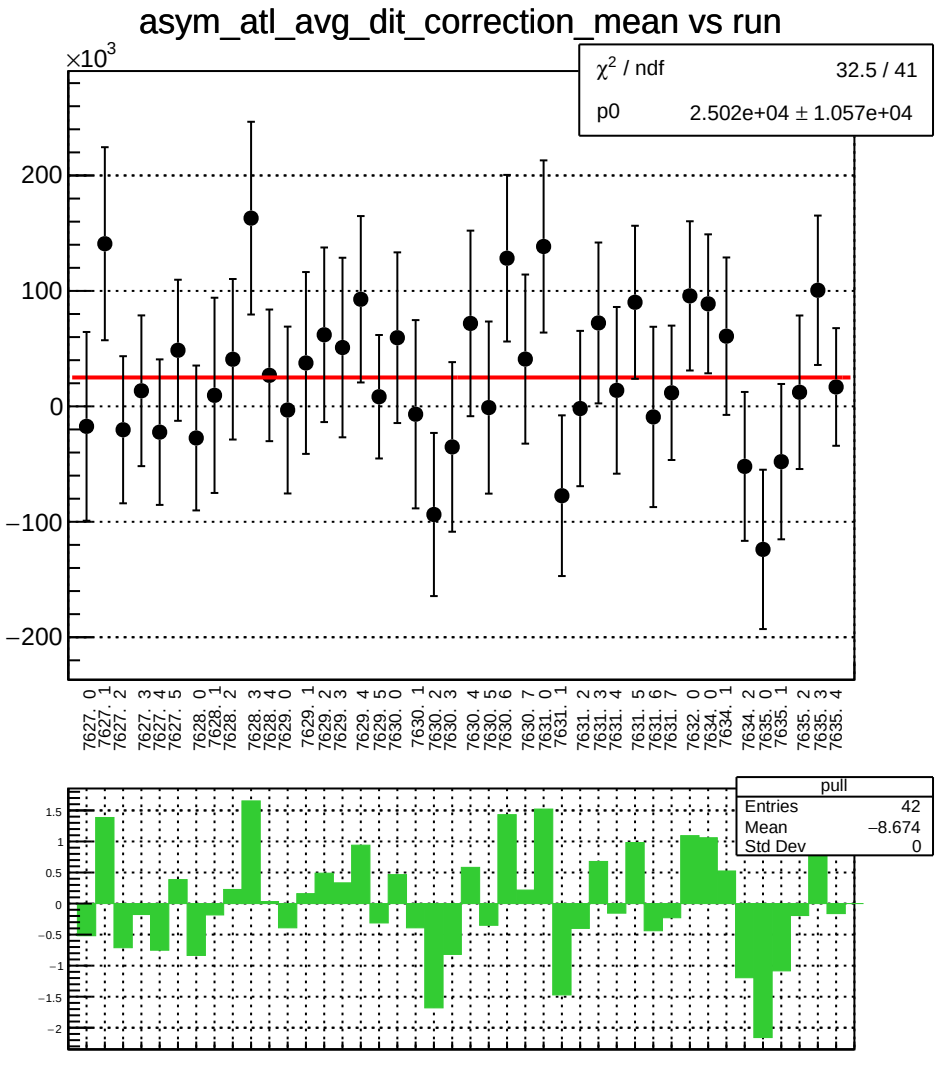

pull1D
Entries 42
Mean 0.01617
Std Dev 0.8742
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

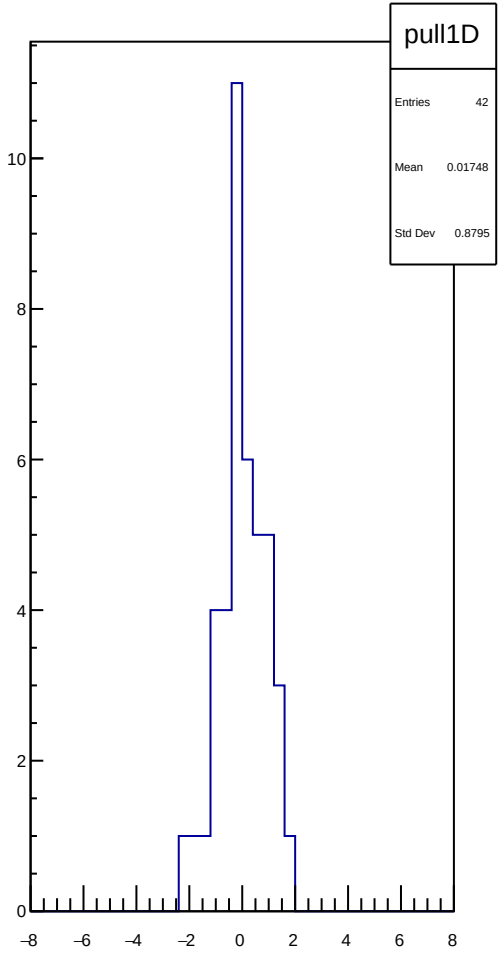

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 6882 / 41
p0 6675 ± 7.368
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

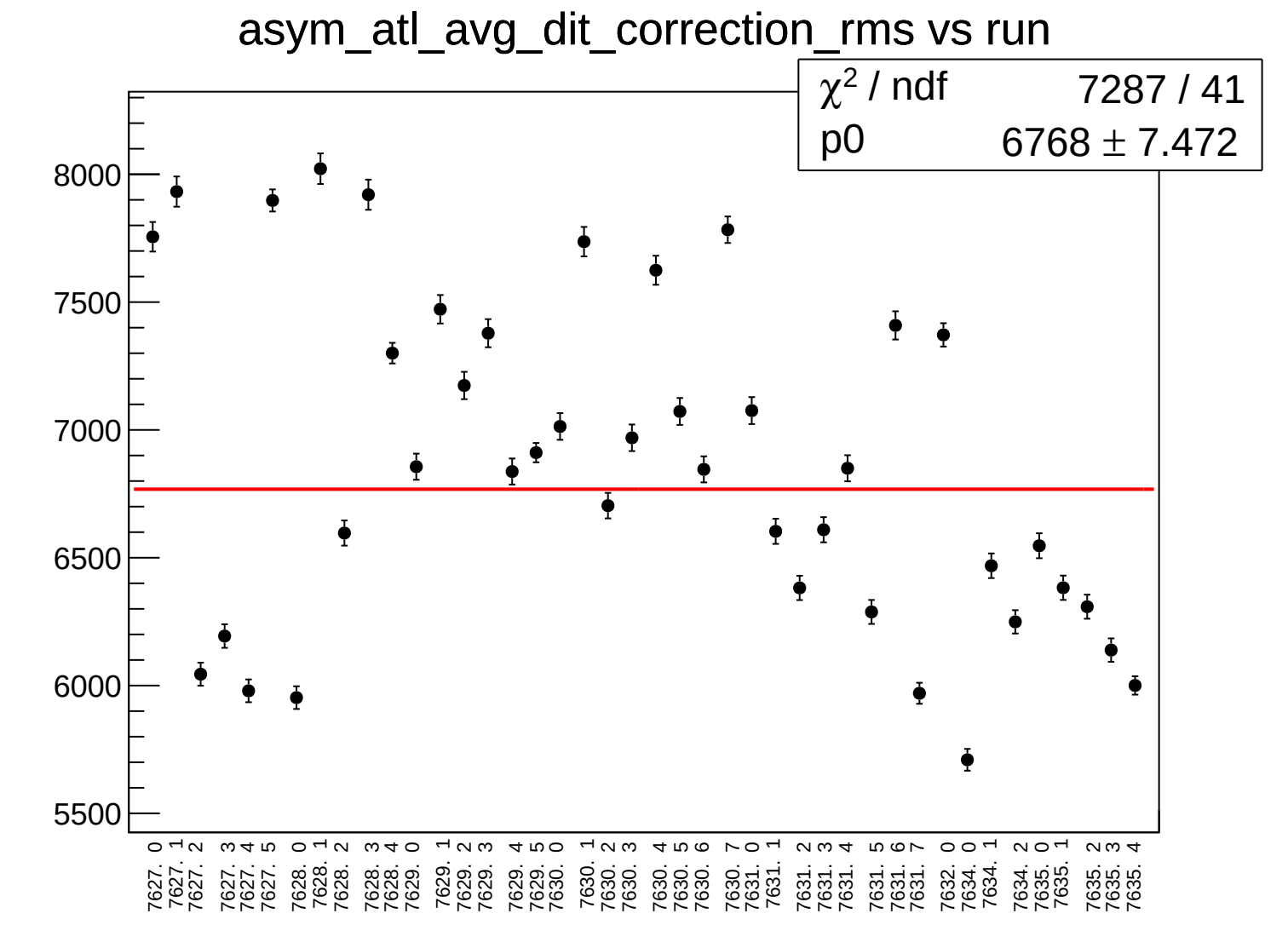

dit_asym_atl_avg_mean vs run
χ² / ndf 41.01 / 41
p0 −1564 ± 2832
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 190.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

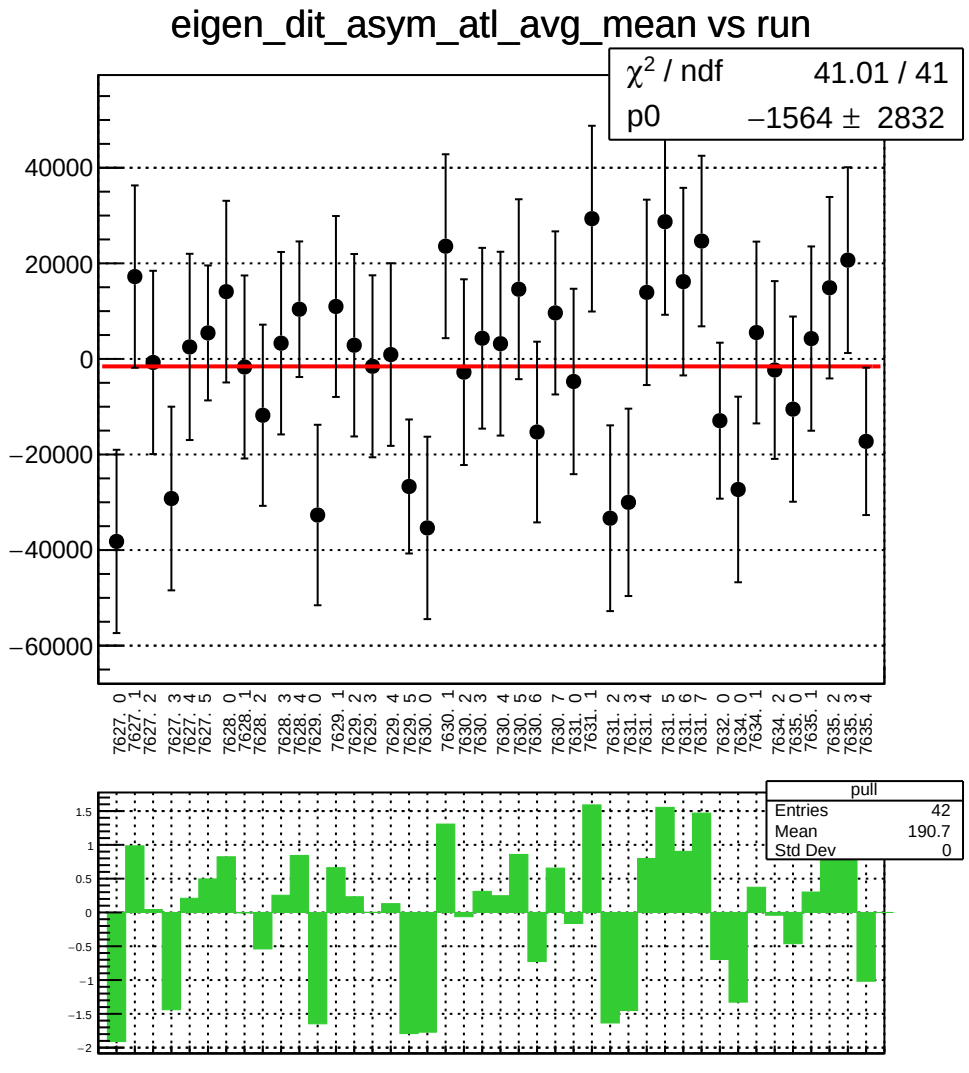

pull1D
Entries 42
Mean 0.009043
Std Dev 0.9881
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

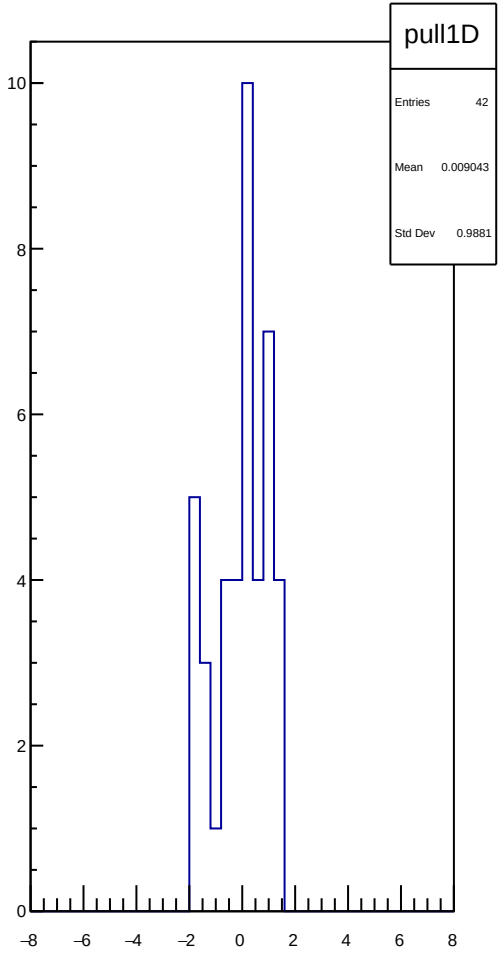

dit_asym_atl_avg_rms vs run
χ² / ndf 96.08 / 41
p0 1822 ± 2.002
1880
1860
1840
1820
1800
1780
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

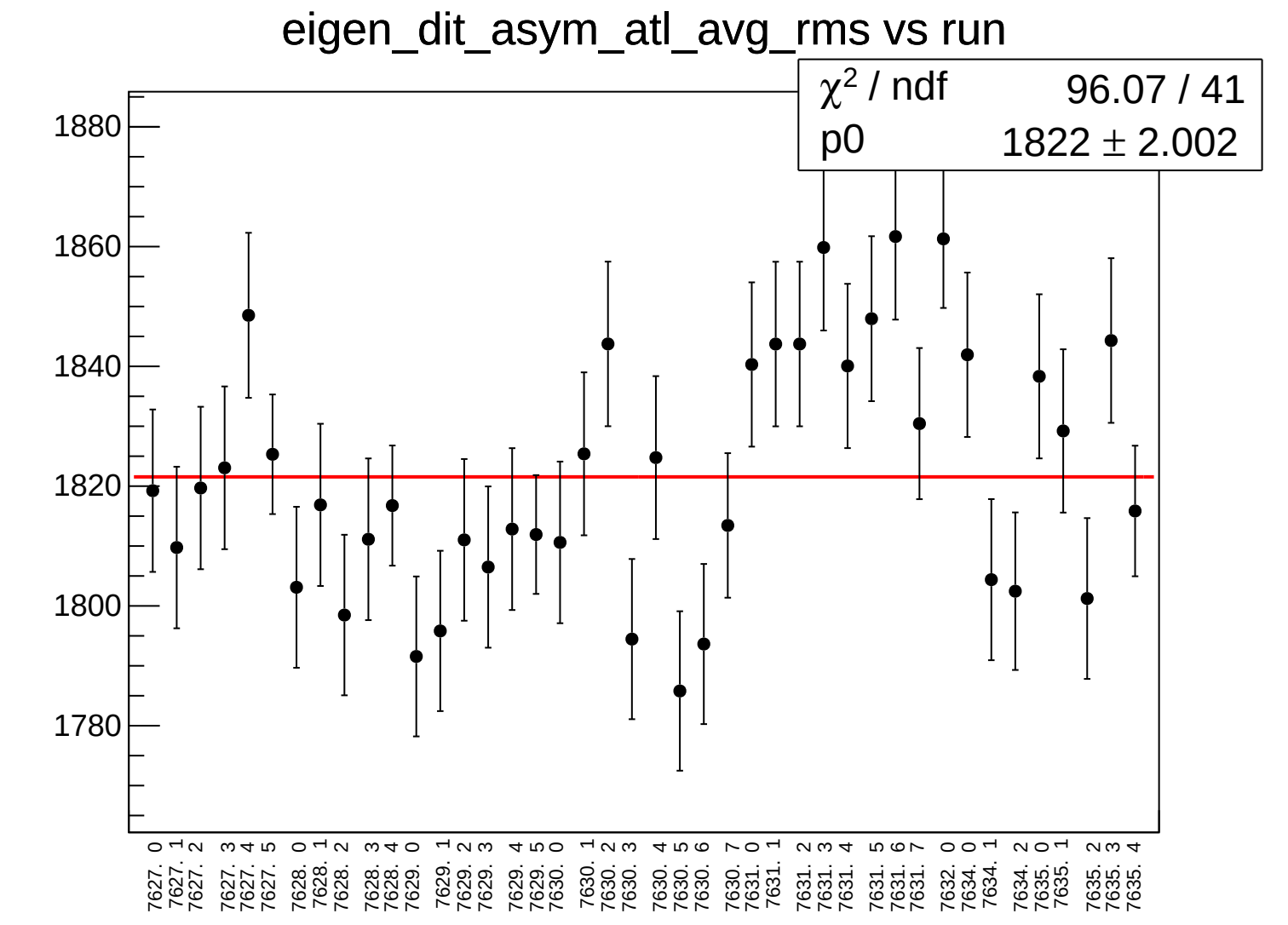

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.5 / 41
p0 2.502e+04 ± 1.057e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −8.674
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

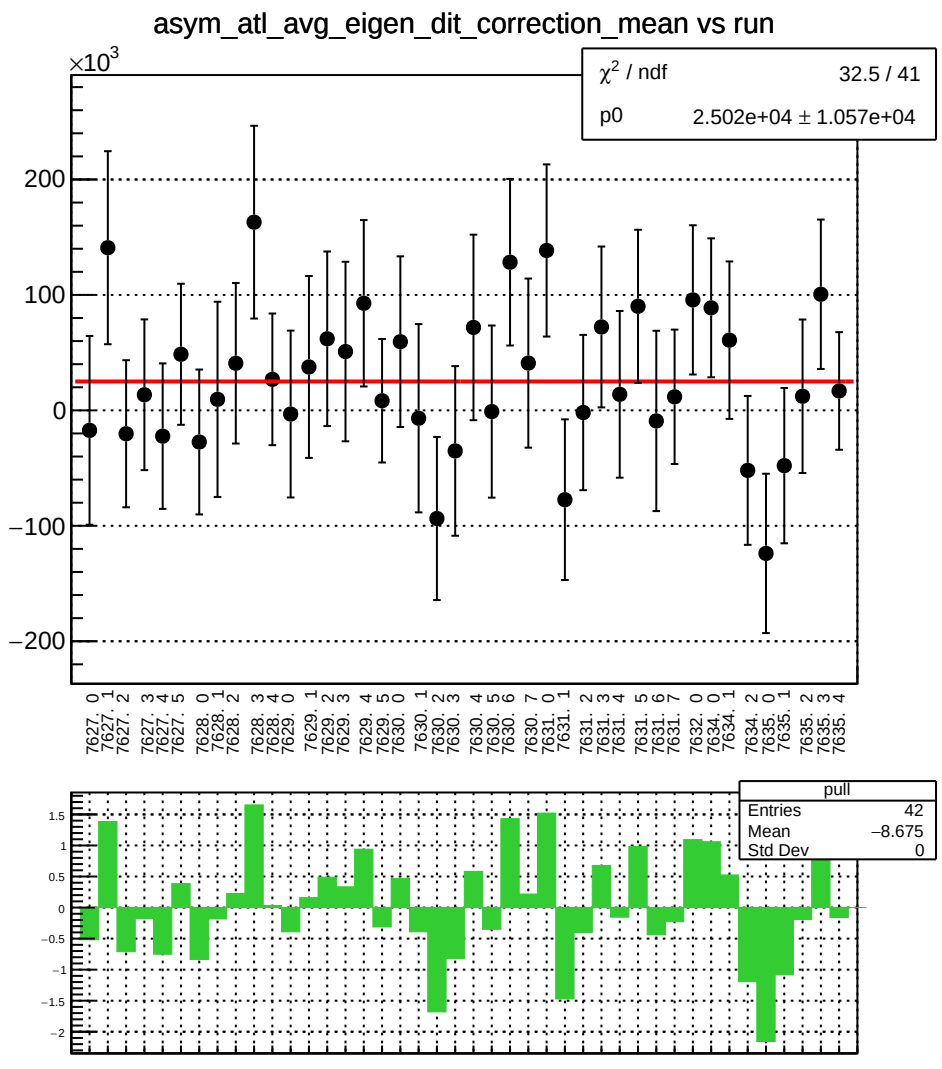

pull1D
Entries 42
Mean 0.01748
Std Dev 0.8795
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

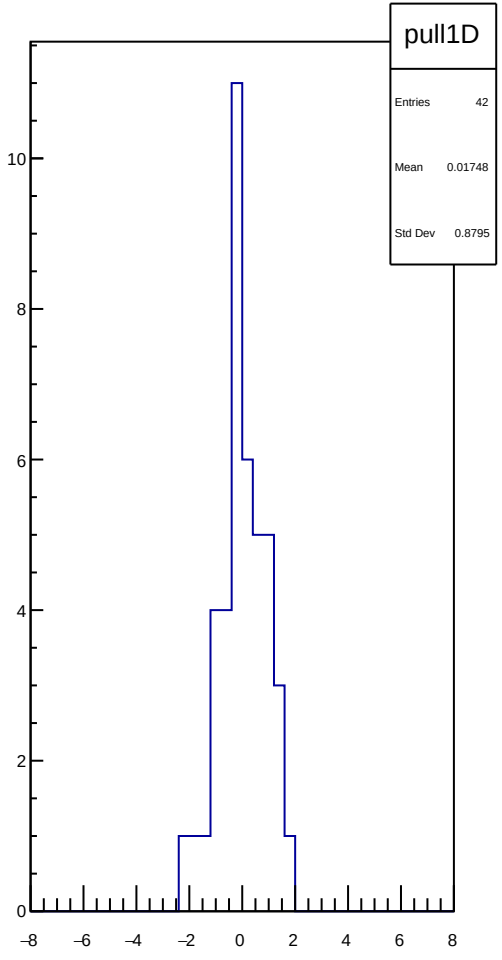

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 7287 / 41
p0 6768 ± 7.472
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

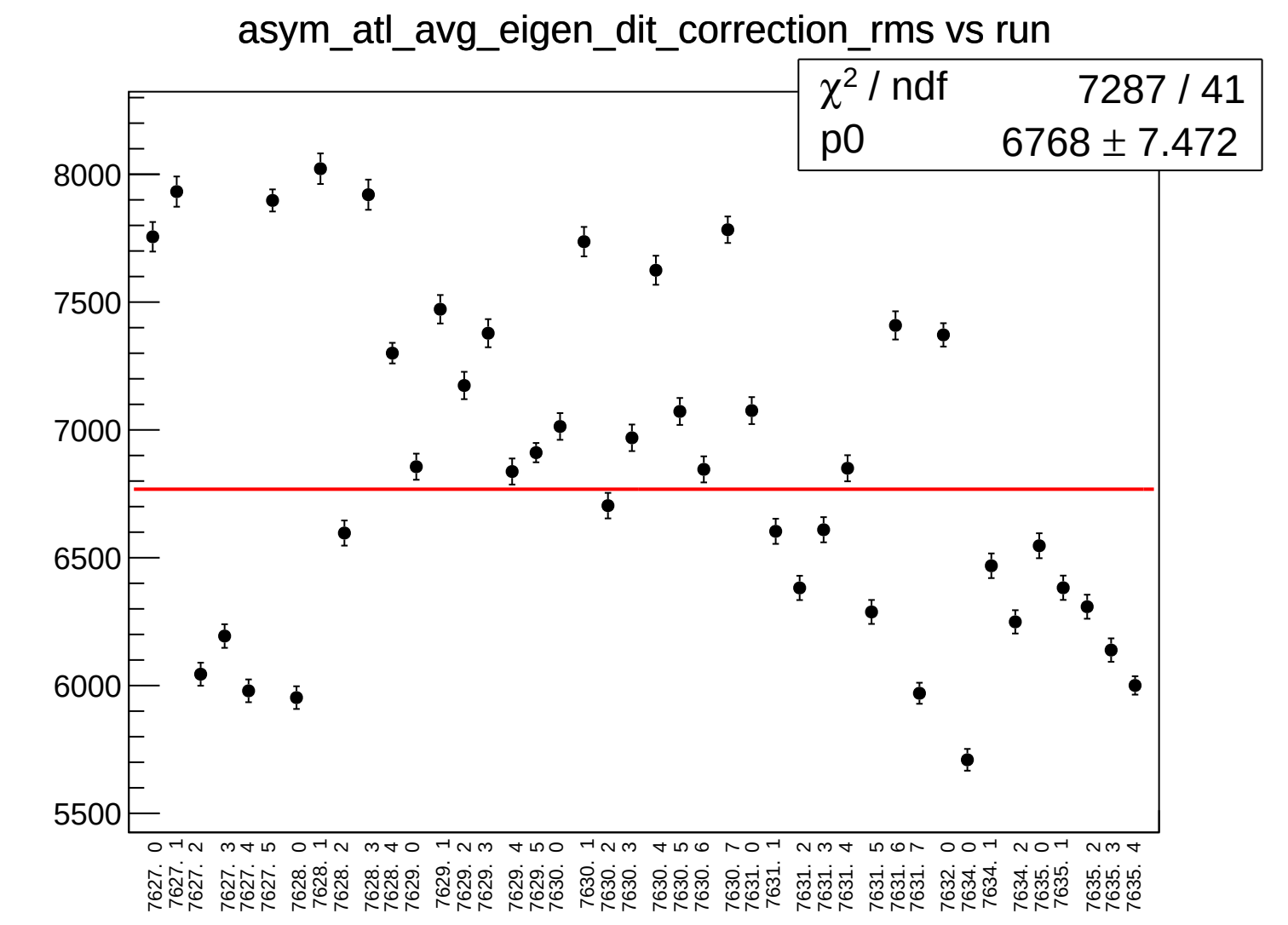

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 41.01 / 41
p0 −1564 ± 2832
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 190.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

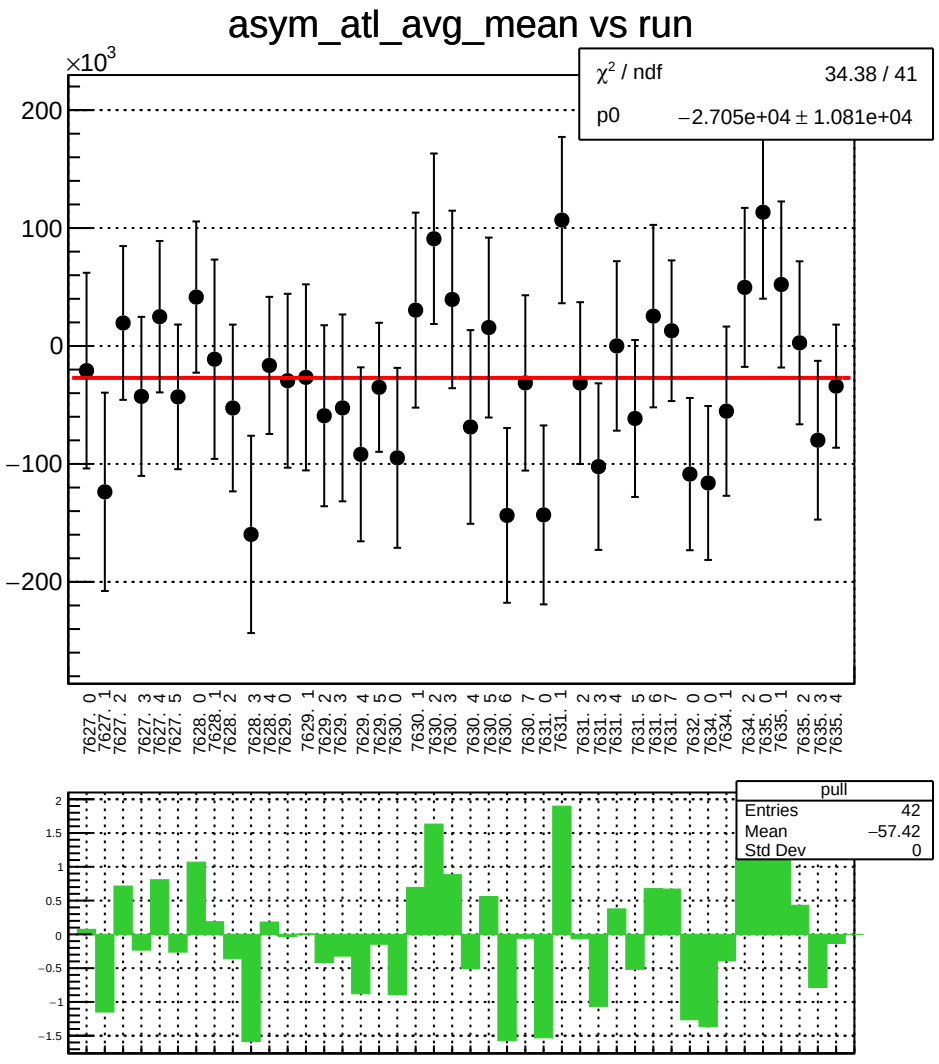

pull1D
Entries 42
Mean 0.009043
Std Dev 0.9881
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

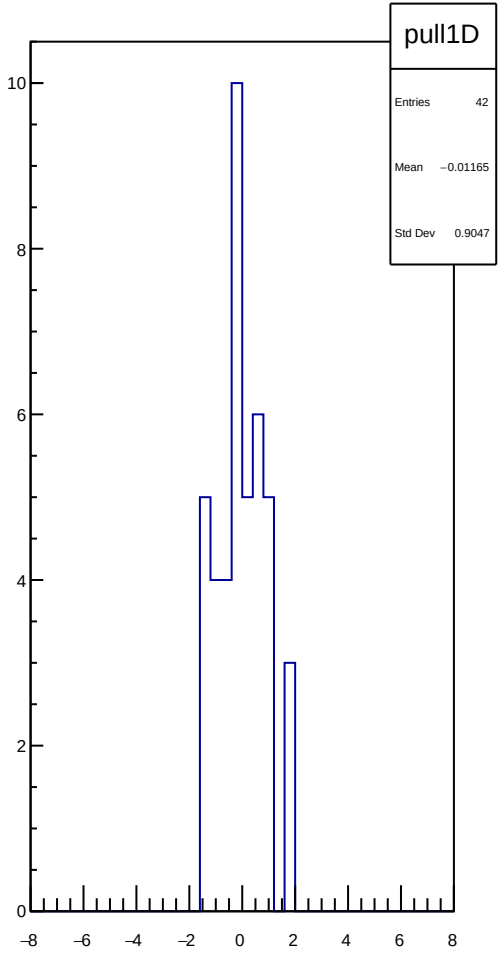

eigen_dit_asym_atl_avg_rms vs run
χ^2 / ndf 96.07 / 41
p0 1822 ± 2.002
1880
1860
1840
1820
1800
1780
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

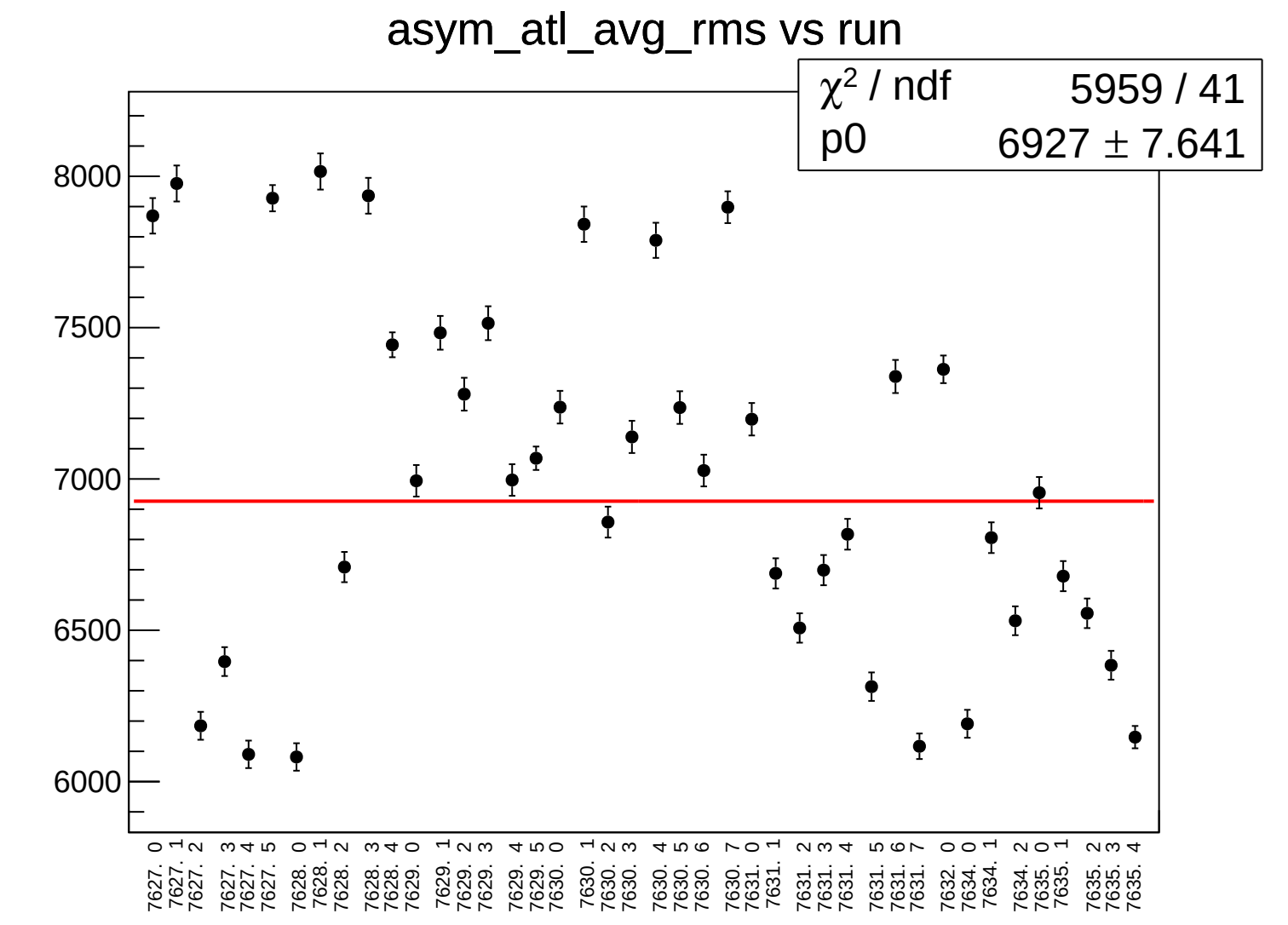

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.5 / 41
p0 2.502e+04 ± 1.057e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −8.675
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

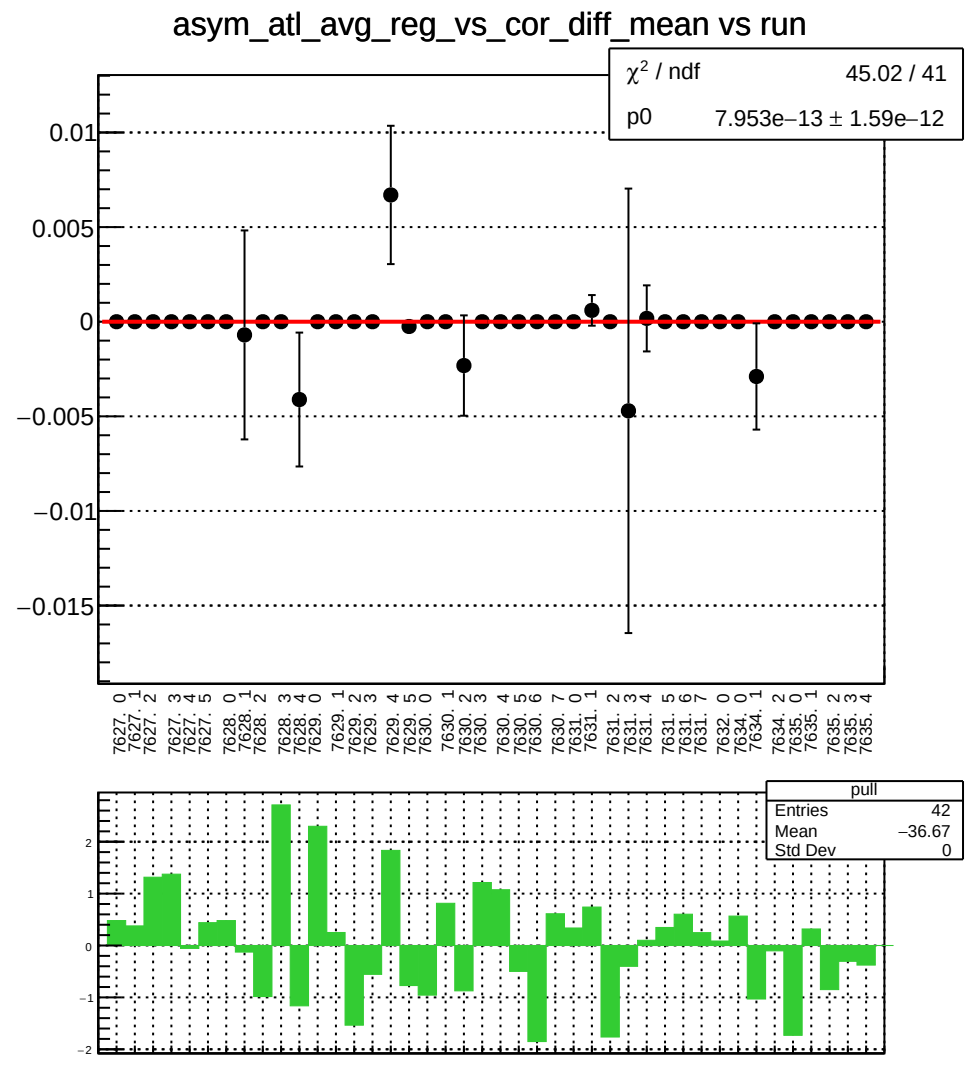

pull1D
Entries 42
Mean 0.01748
Std Dev 0.8795
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

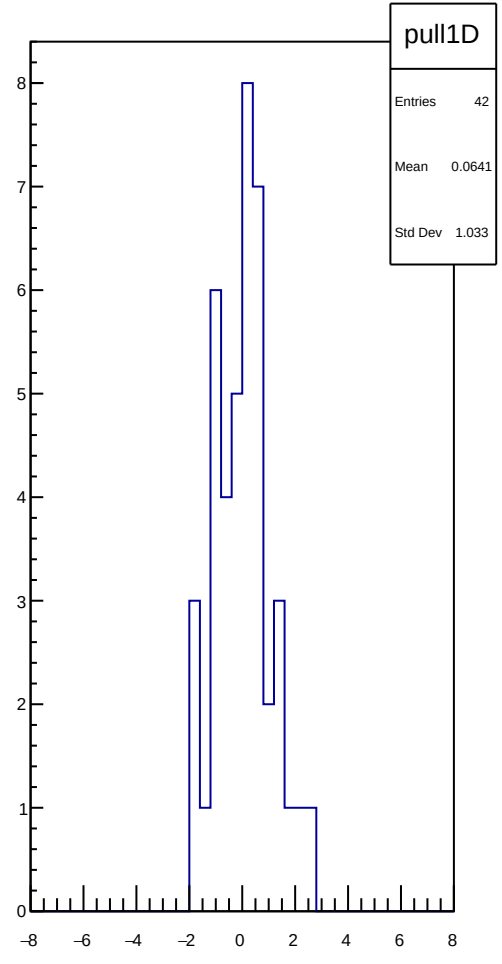

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 7287 / 41
p0 6768 ± 7.472
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

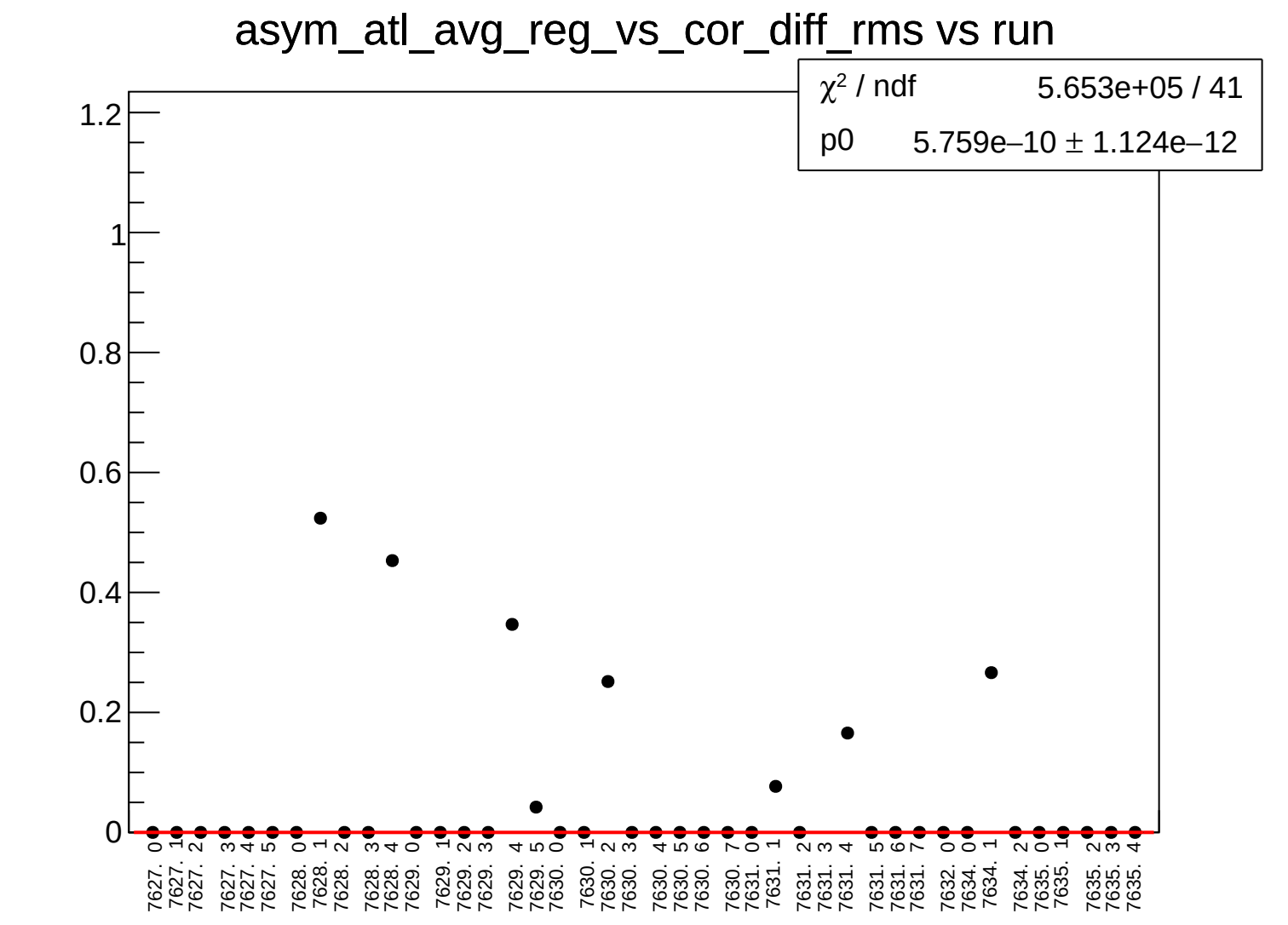

asym_atl_avg_mean vs run
×10^3
χ² / ndf 34.38 / 41
p0 −2.705e+04 ± 1.081e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −57.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

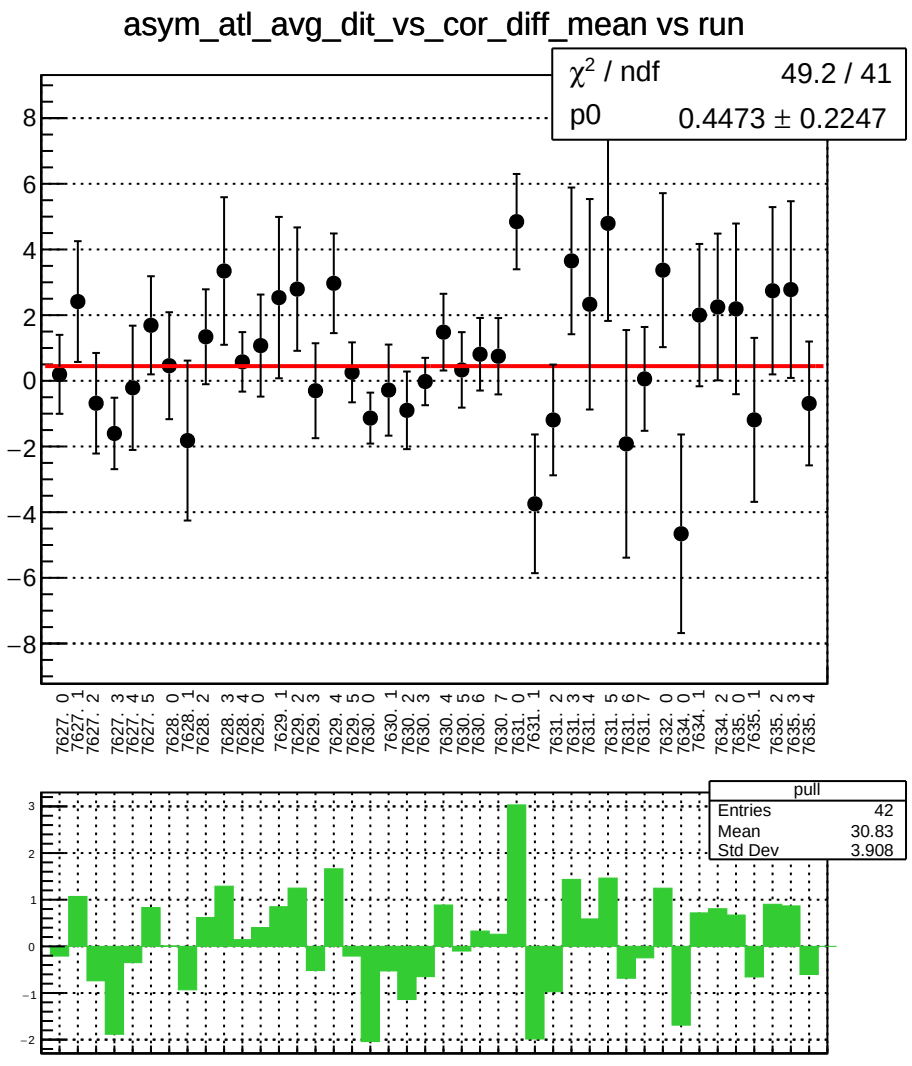

pull1D
Entries 42
Mean −0.01165
Std Dev 0.9047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

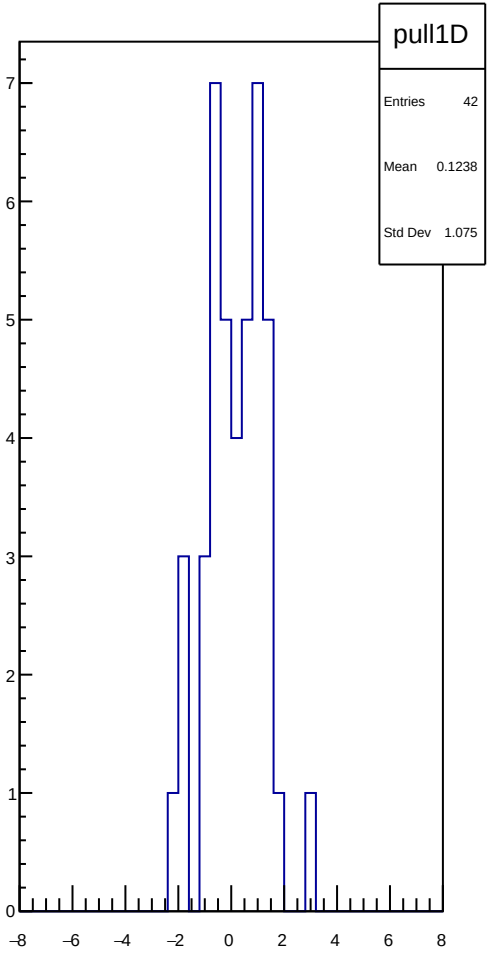

asym_atl_avg_rms vs run
χ² / ndf 5959 / 41
p0 6927 ± 7.641
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

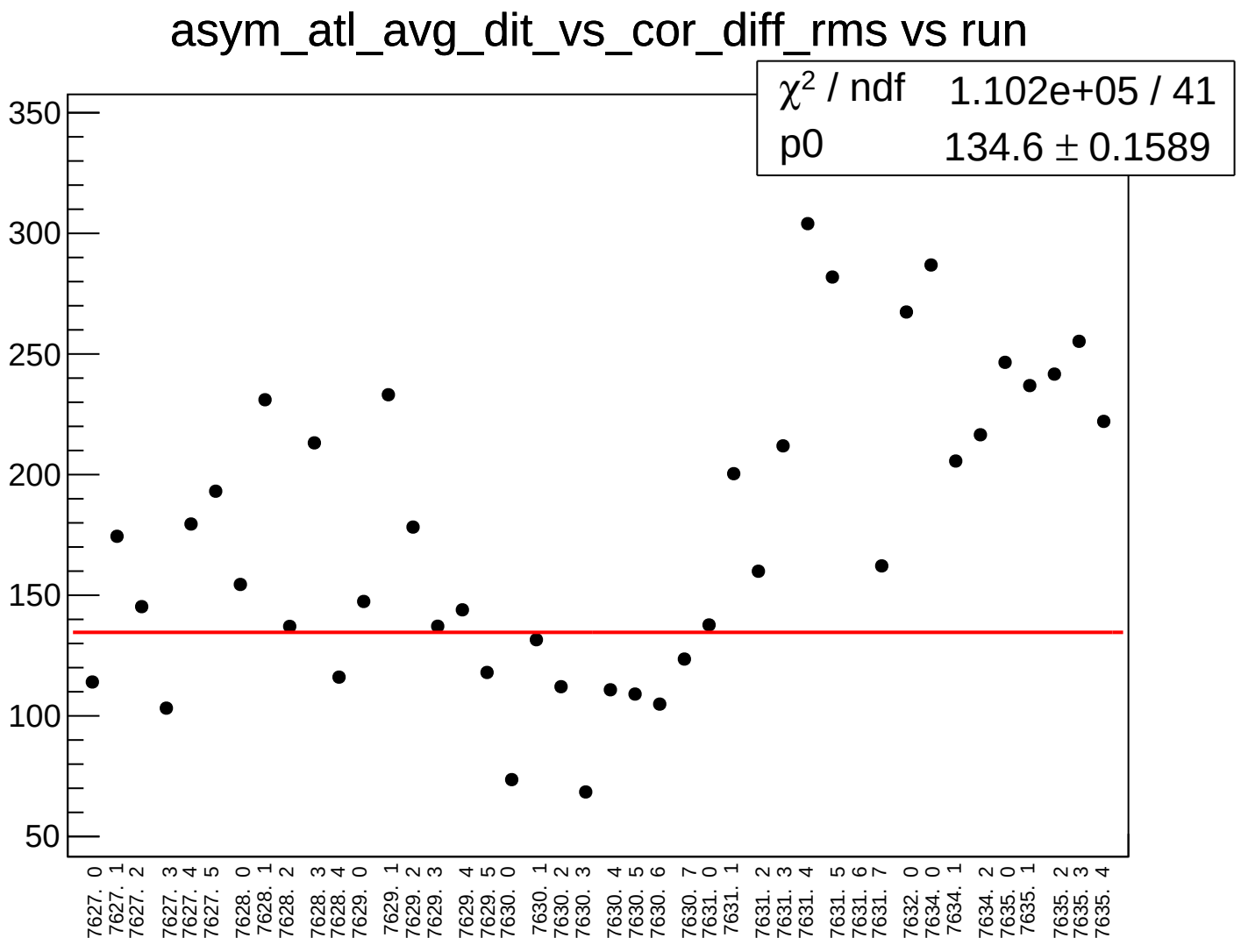

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.02 / 41
p0 7.953e−13 ± 1.59e−12
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −36.67
Std Dev 0
2
1
0
−1
−2

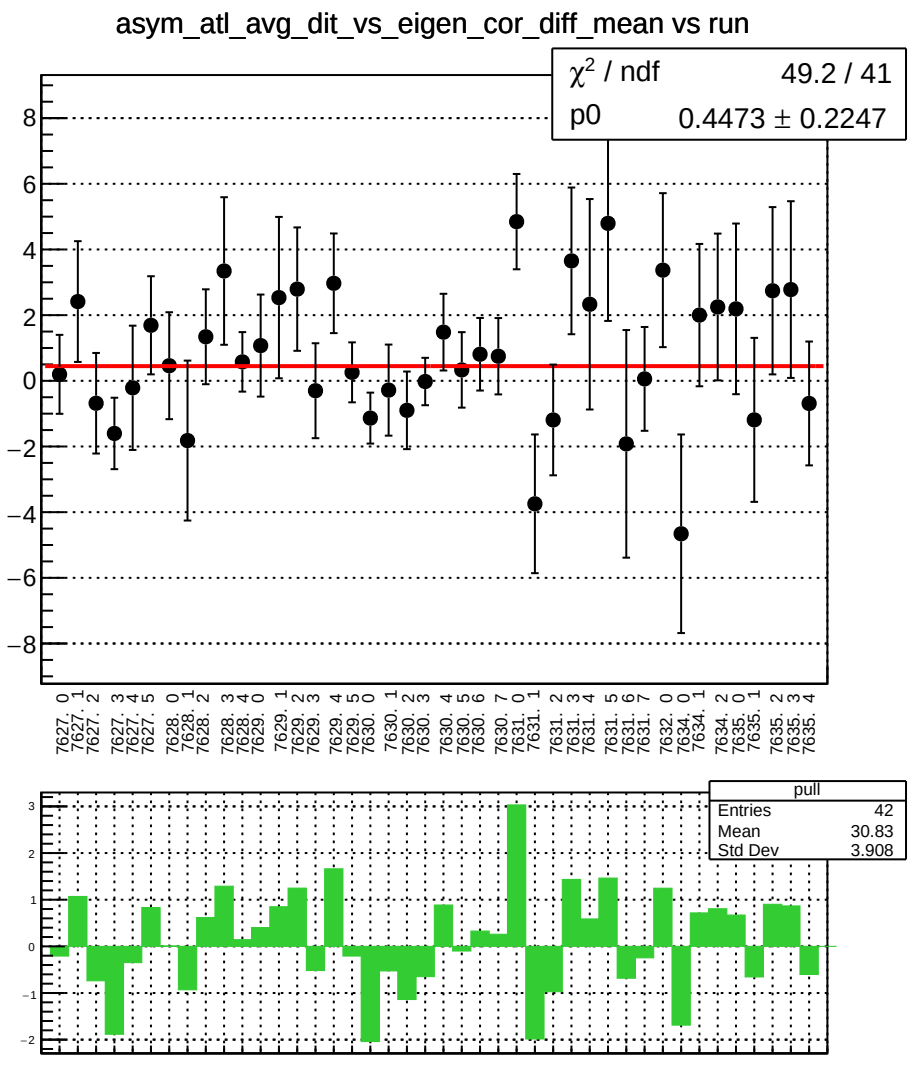

pull1D
Entries 42
Mean 0.0641
Std Dev 1.033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

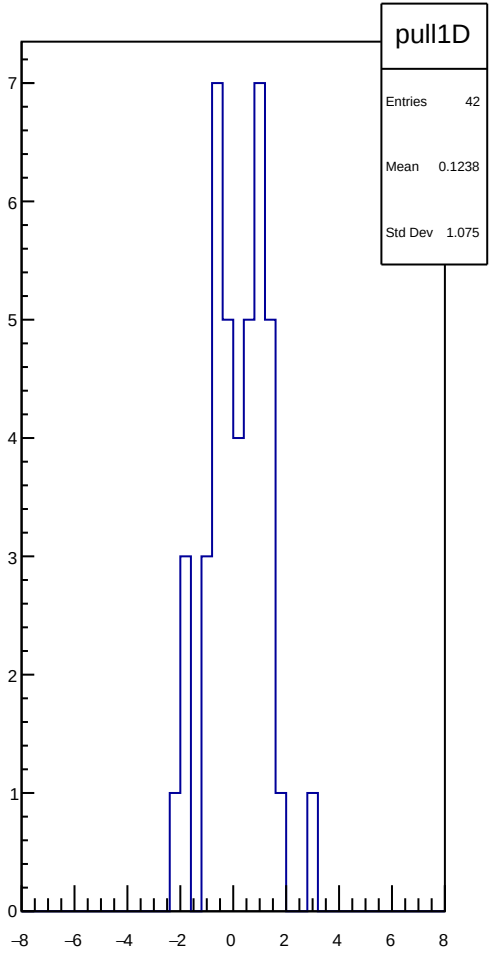

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.653e+05 / 41
p0 5.759e−10 ± 1.124e−12
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

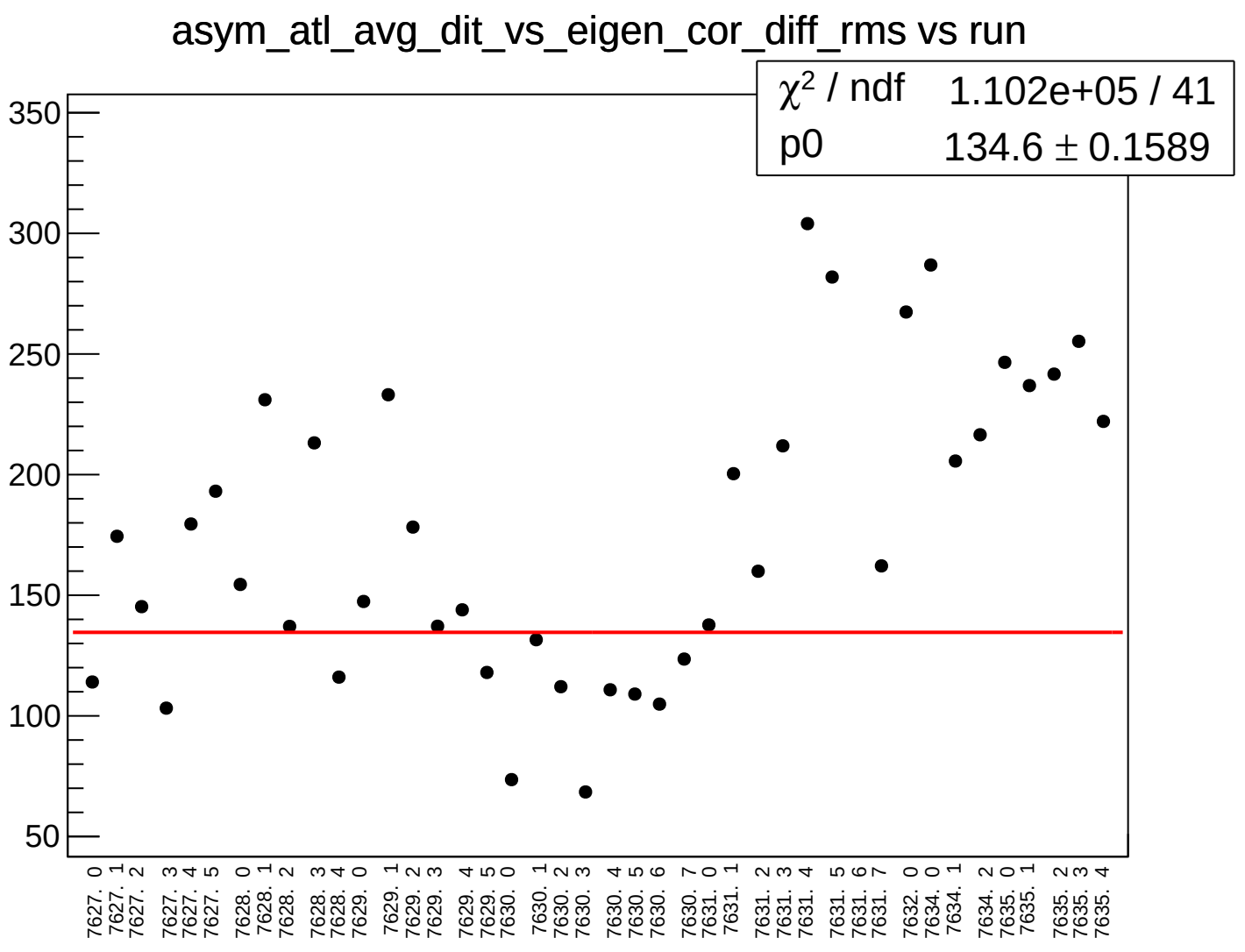

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.2 / 41
p0 0.4473 ± 0.2247
pull
Entries 42
Mean 30.83
Std Dev 3.908

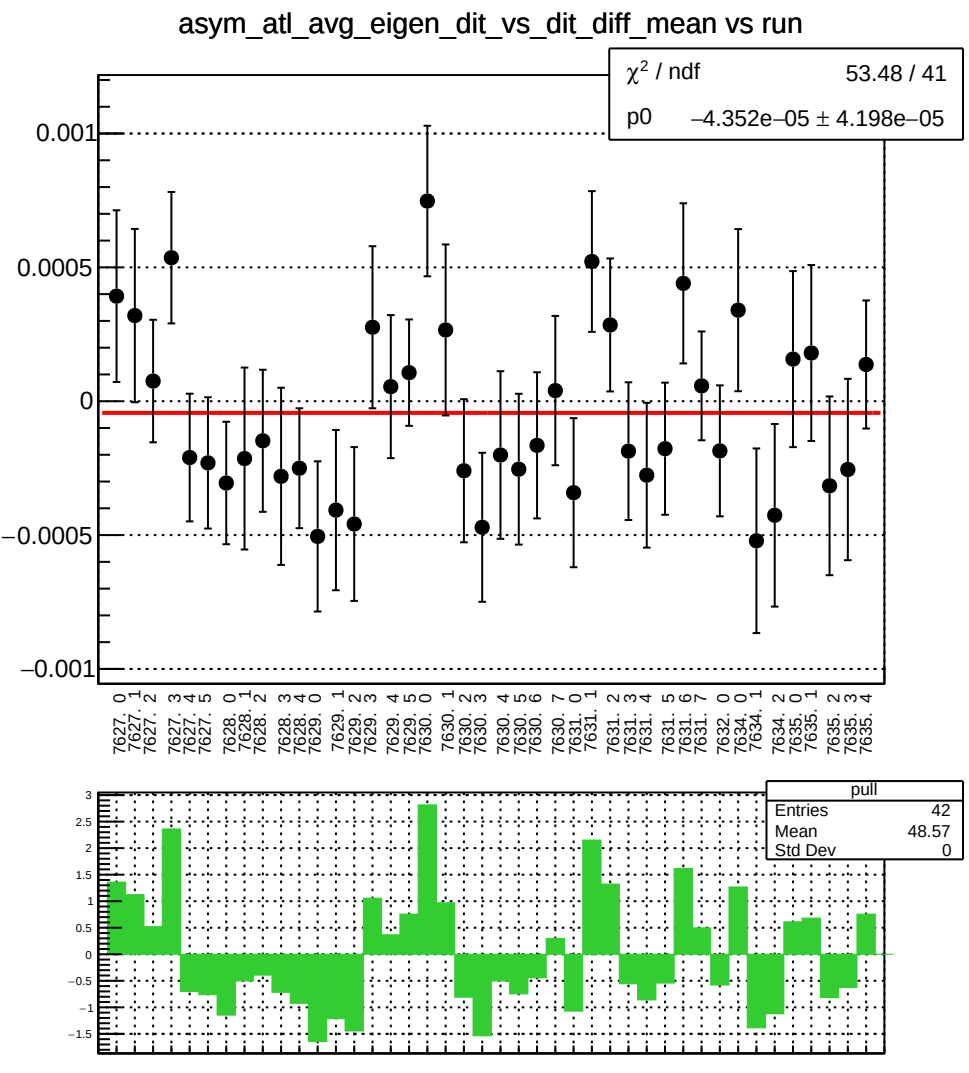

pull1D
Entries 42
Mean 0.1238
Std Dev 1.075

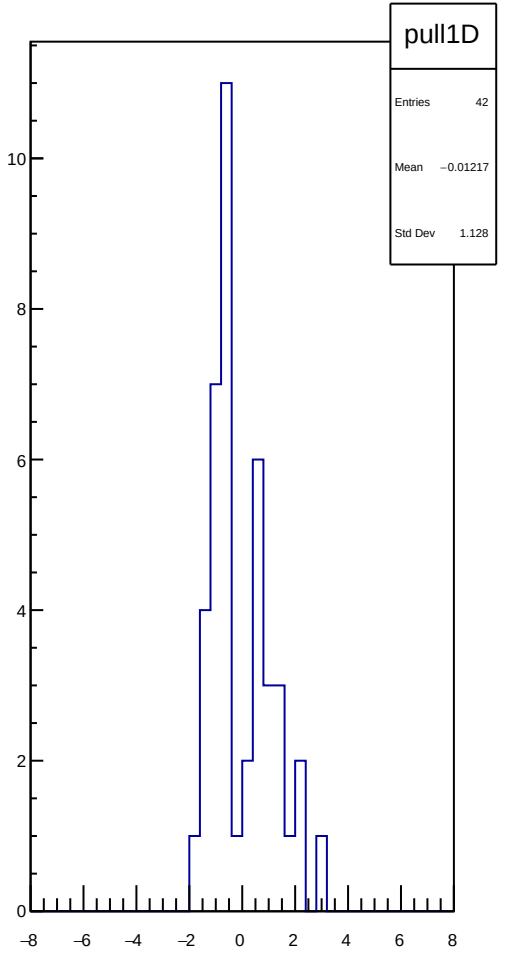

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.102e+05 / 41
p0 134.6 ± 0.1589
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

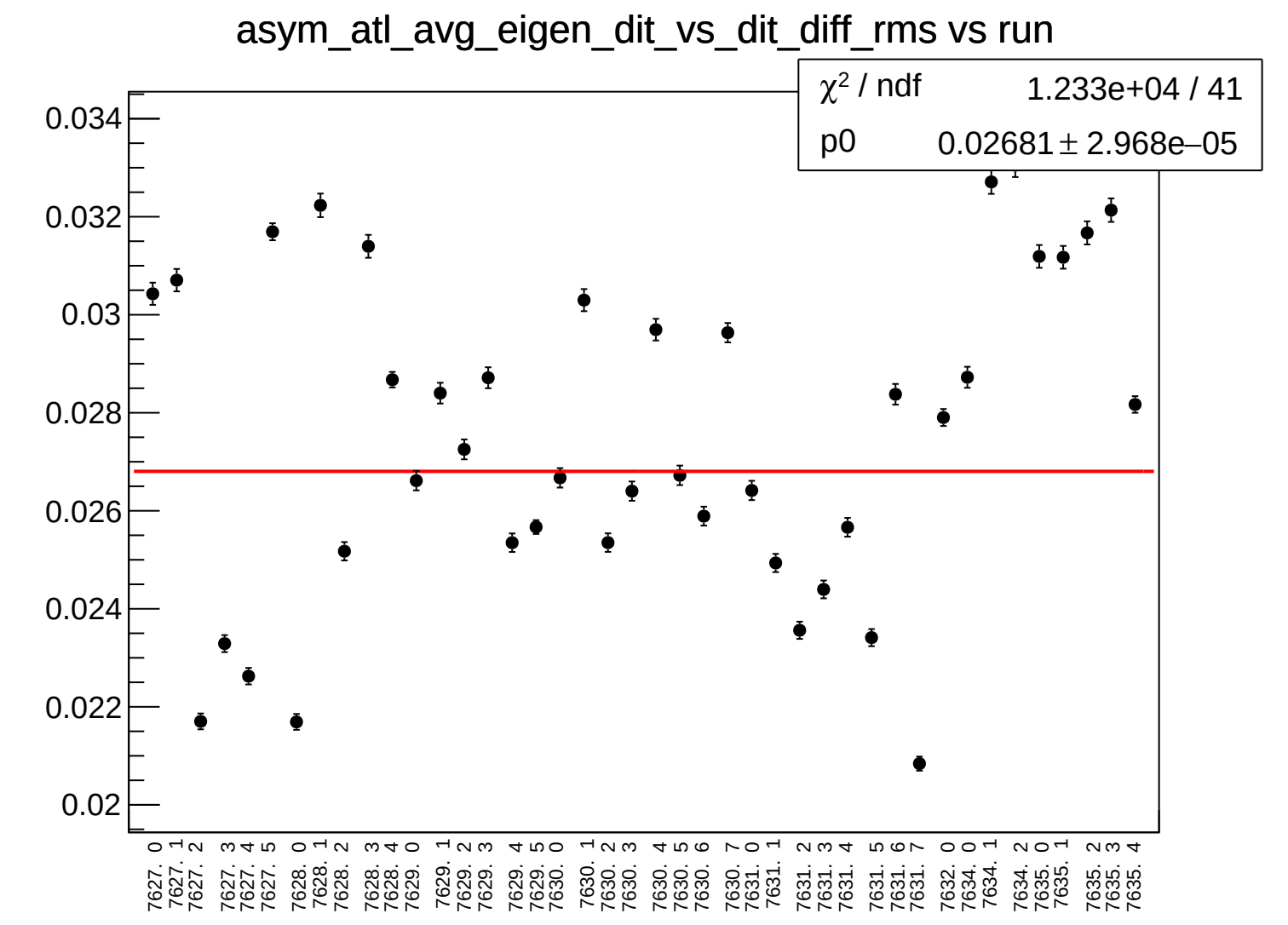

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.2 / 41
p0 0.4473 ± 0.2247
pull
Entries 42
Mean 30.83
Std Dev 3.908

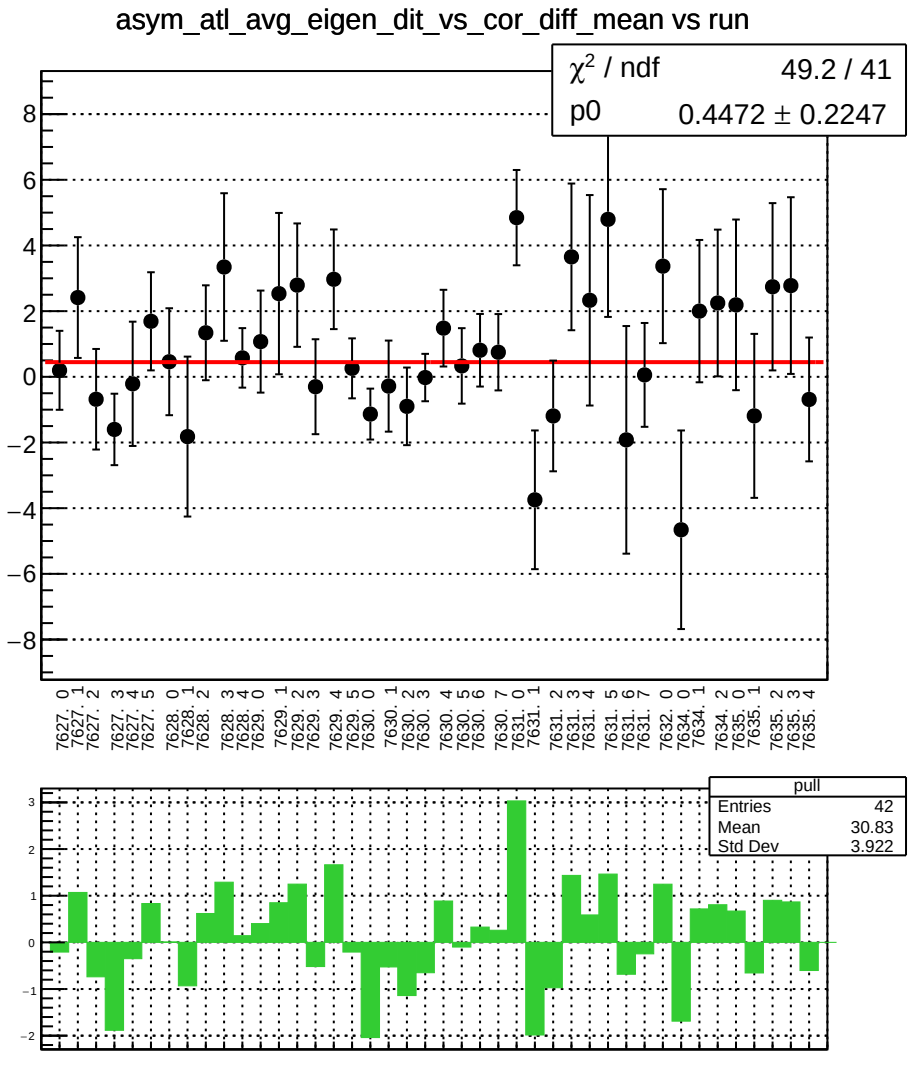

pull1D
Entries 42
Mean 0.1238
Std Dev 1.075

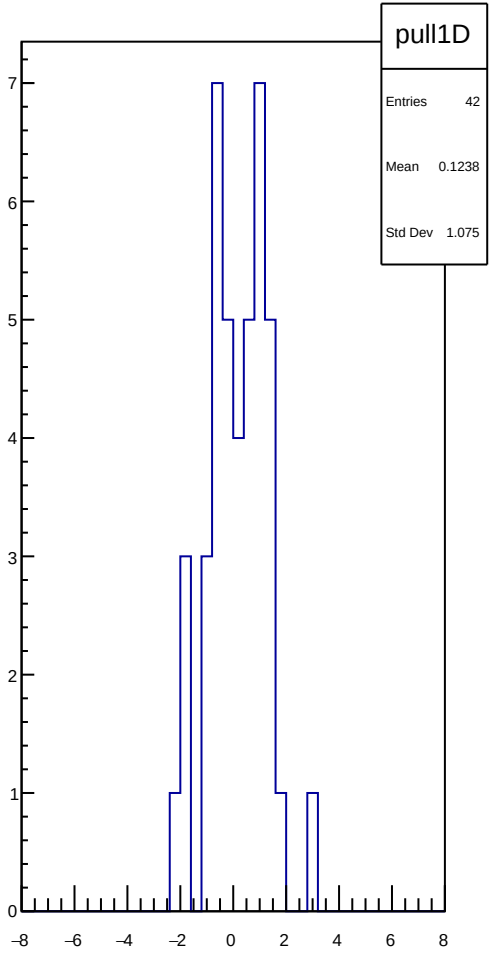

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.102e+05 / 41
p0 134.6 ± 0.1589
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

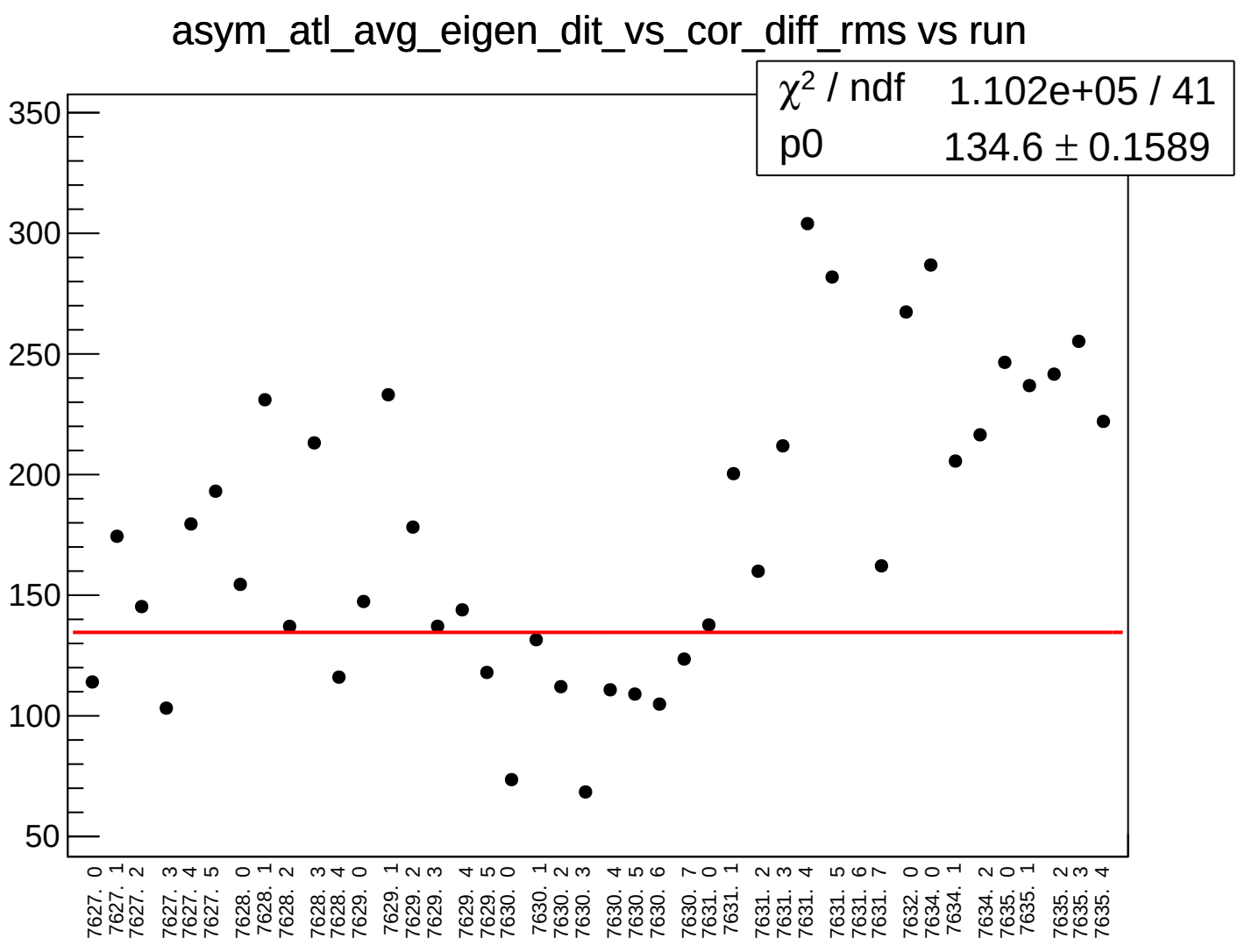

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.48 / 41
p0 −4.352e−05 ± 4.198e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 48.57
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

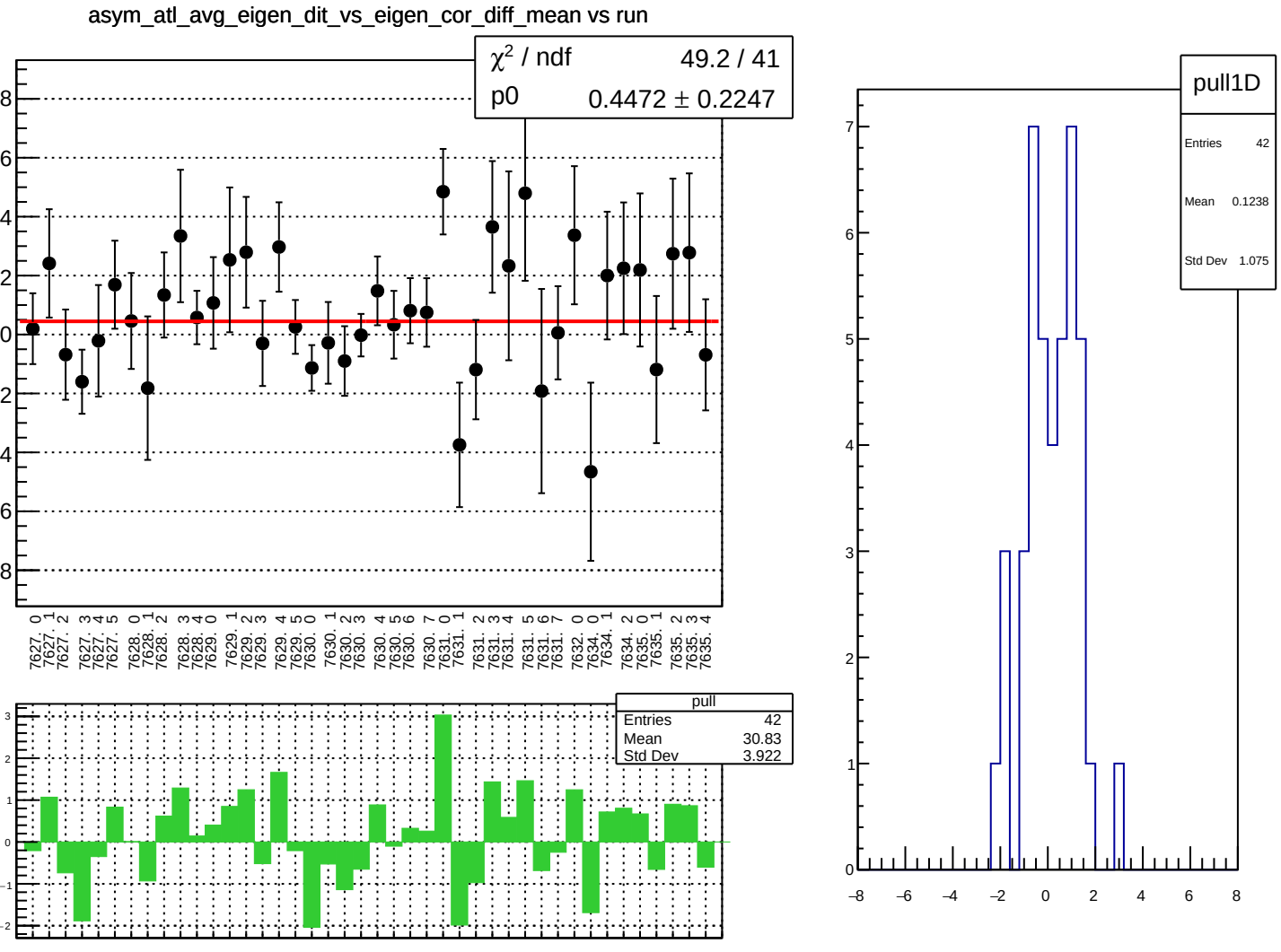

pull1D
Entries 42
Mean −0.01217
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

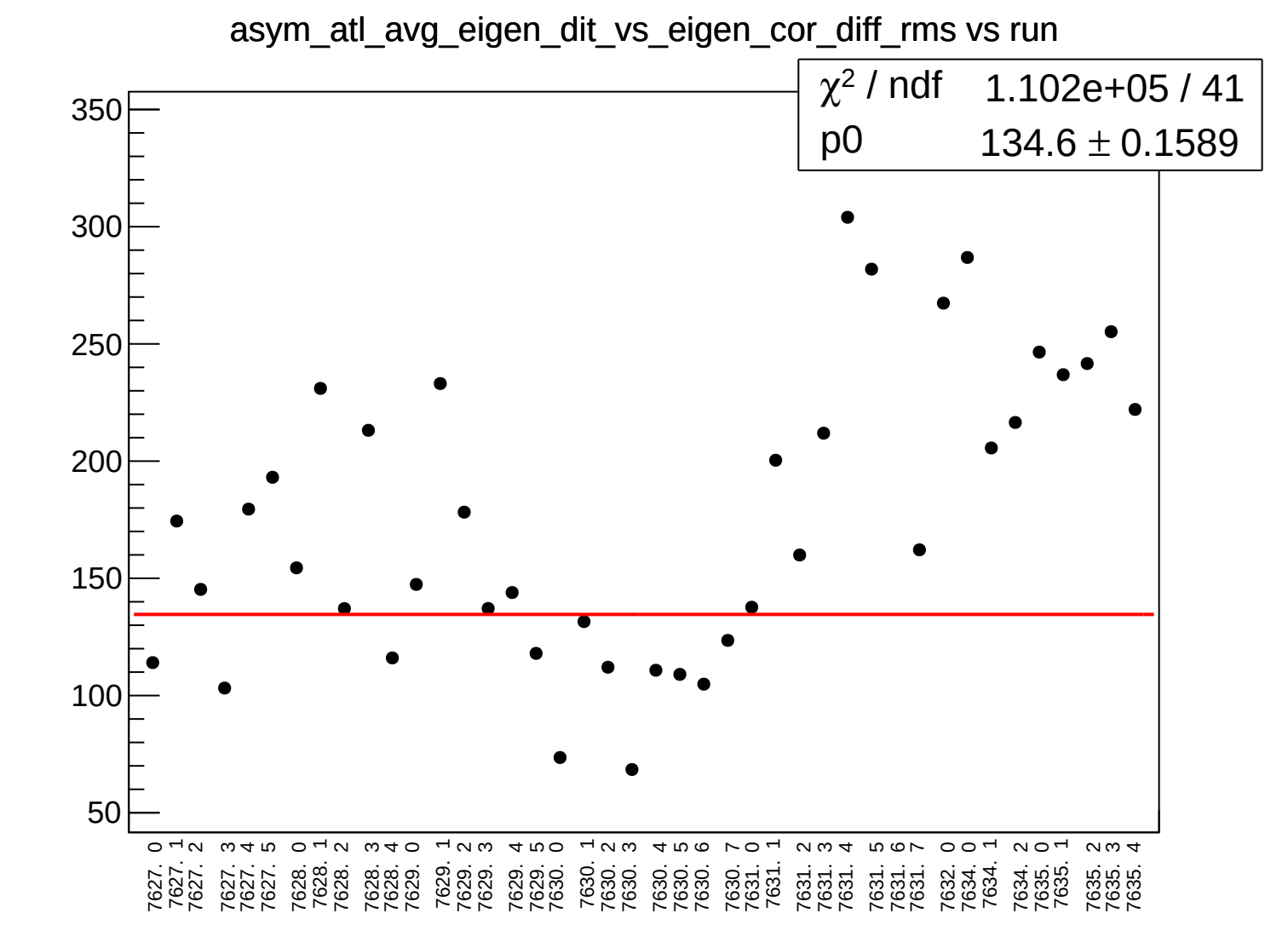

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.233e+04 / 41
p0 0.02681 ± 2.968e–05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

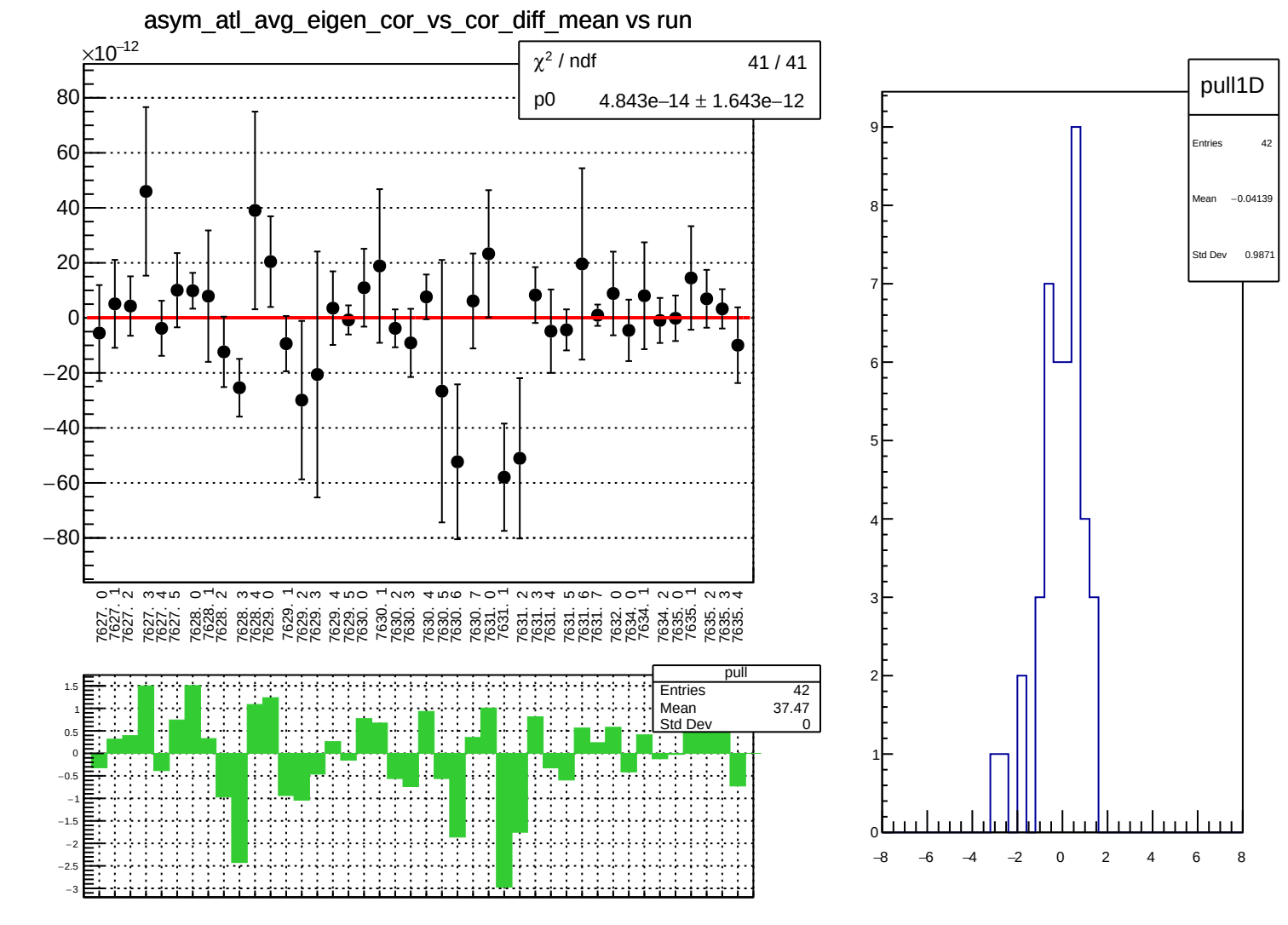

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.2 / 41
p0 0.4472 ± 0.2247
pull
Entries 42
Mean 30.83
Std Dev 3.922

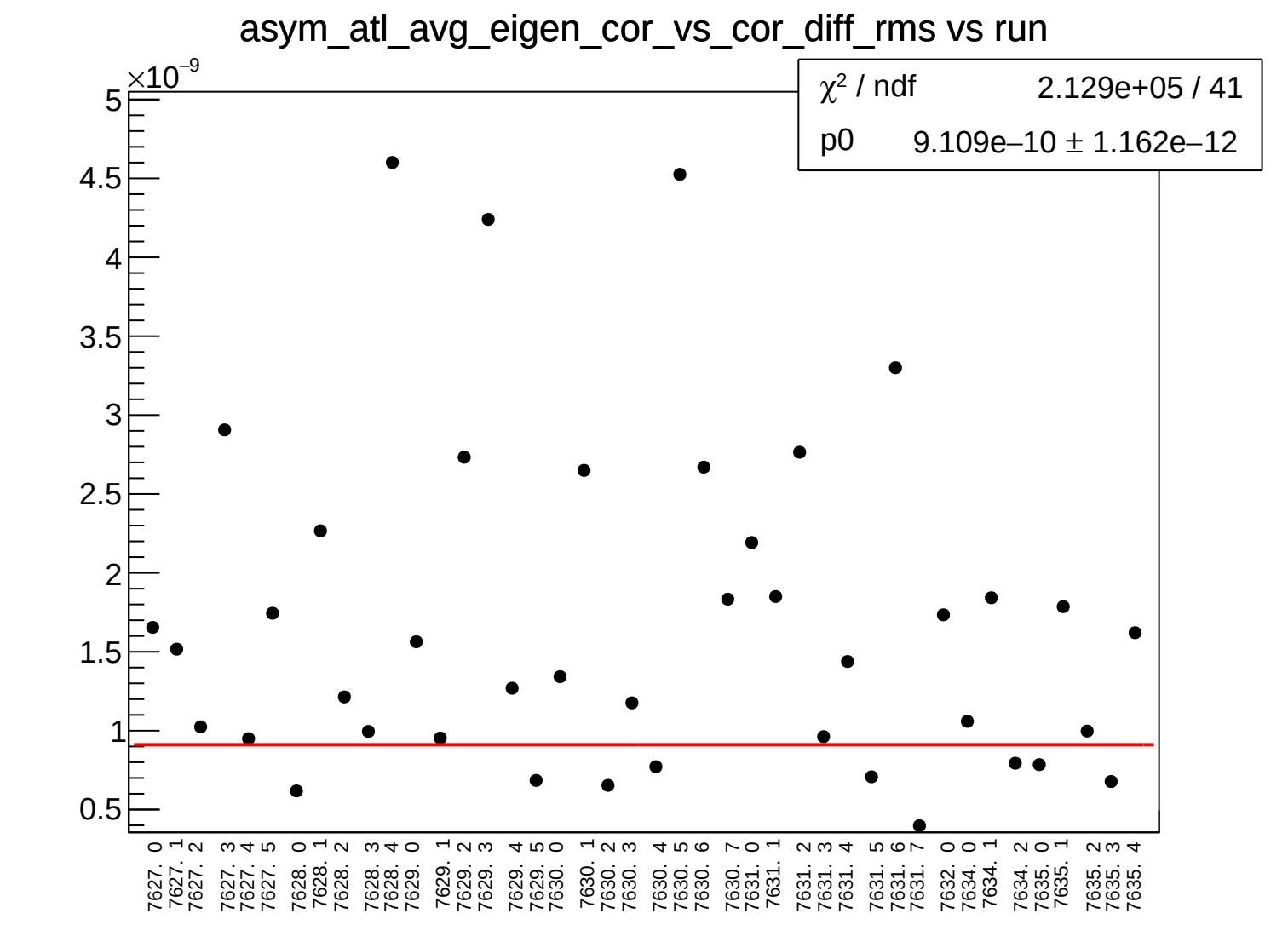

pull1D
Entries 42
Mean 0.1238
Std Dev 1.075

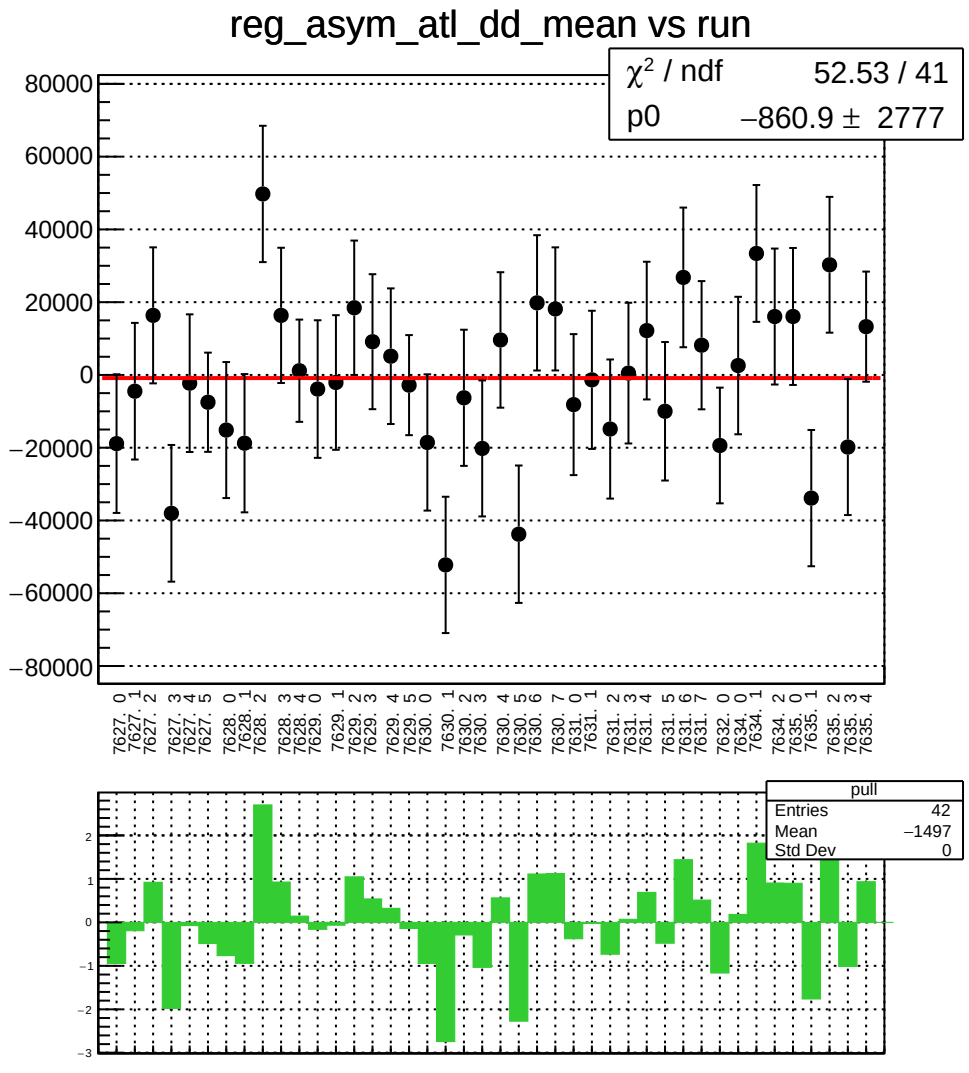

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.102e+05 / 41
p0 134.6 ± 0.1589
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

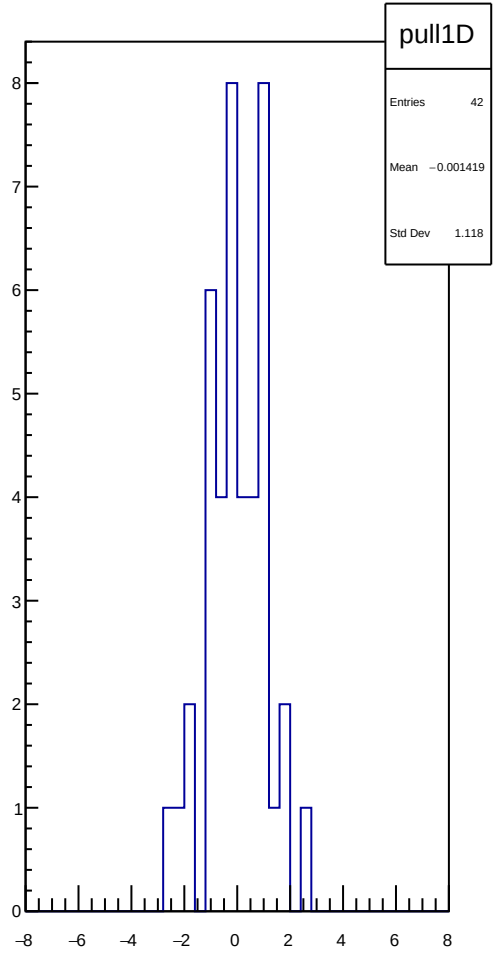

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.2 / 41
p0 0.4472 ± 0.2247
pull
Entries 42
Mean 30.83
Std Dev 3.922
pull1D
Entries 42
Mean 0.1238
Std Dev 1.075

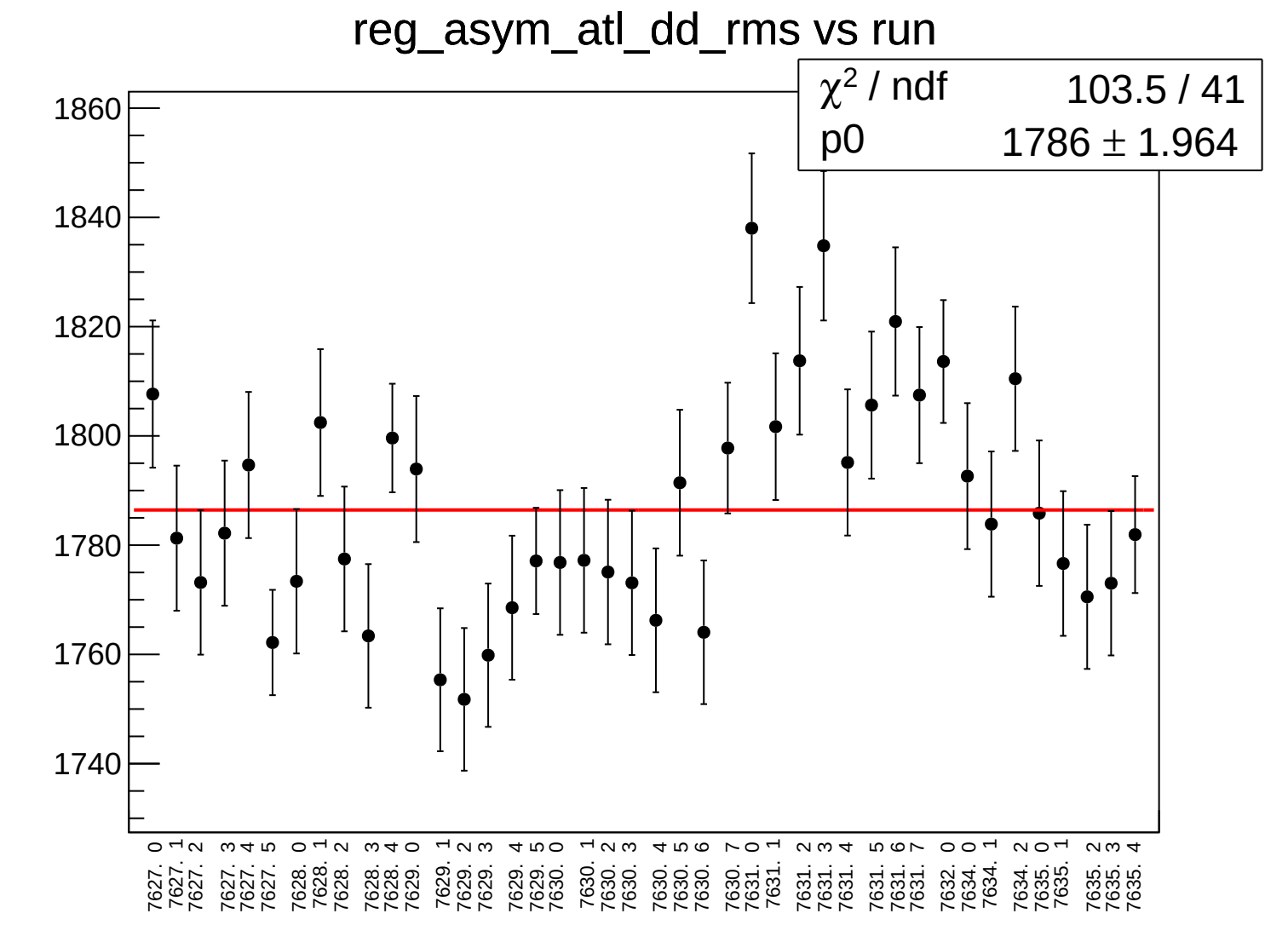

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.102e+05 / 41
p0 134.6 ± 0.1589
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

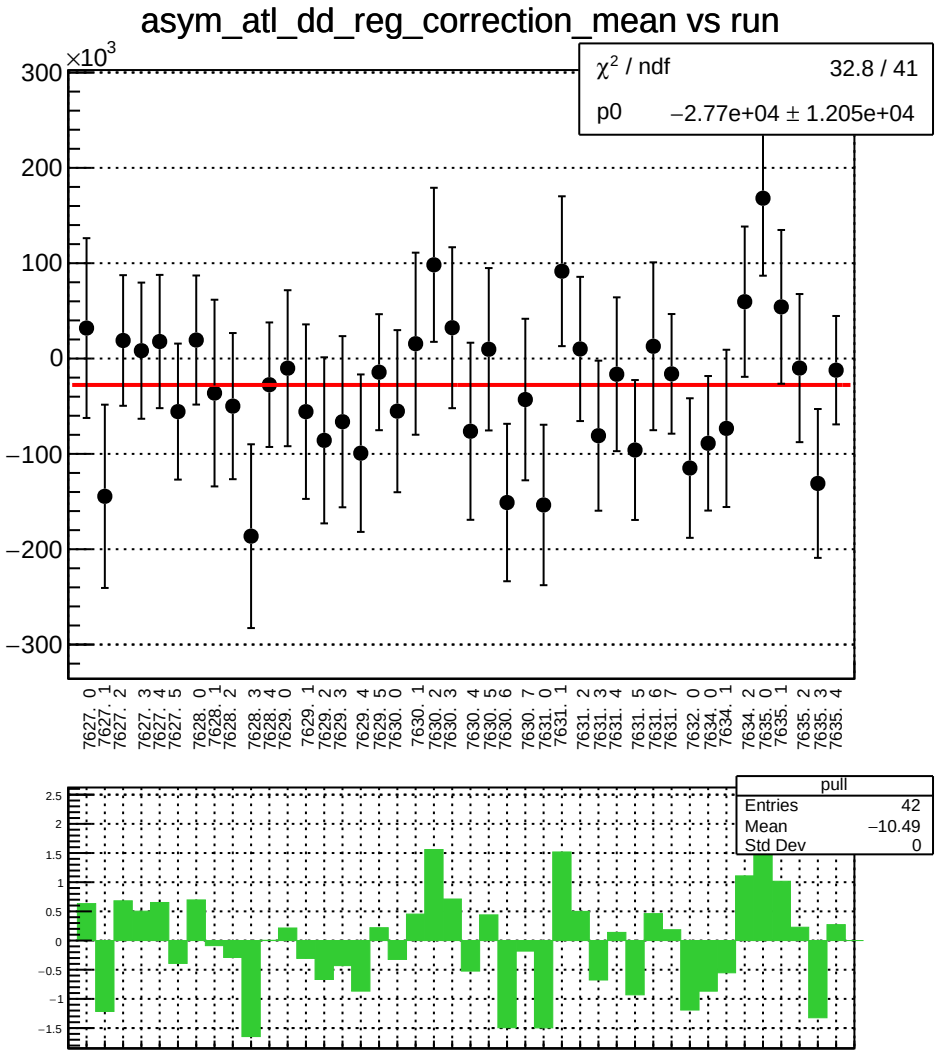

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 41 / 41
p0 4.843e−14 ± 1.643e−12
pull
Entries 42
Mean 37.47
Std Dev 0
pull1D
Entries 42
Mean −0.04139
Std Dev 0.9871

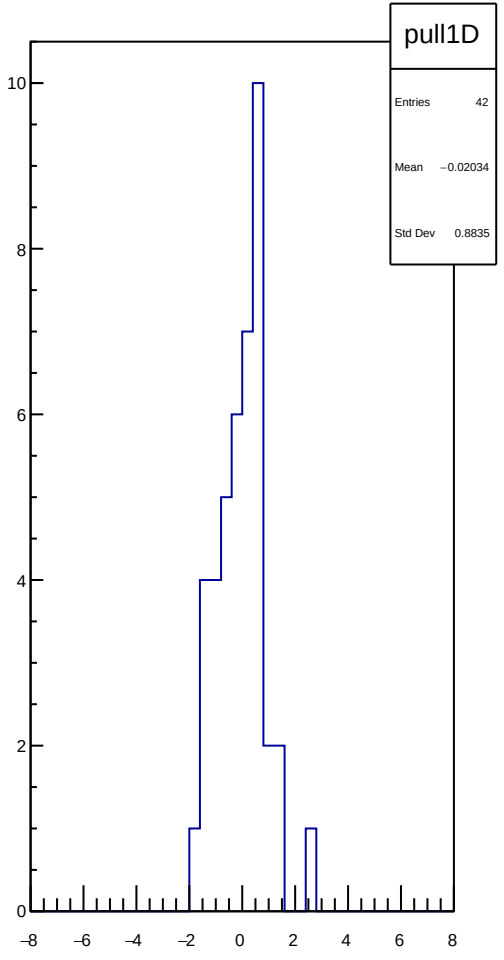

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.129e+05 / 41
p0 9.109e−10 ± 1.162e−12
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

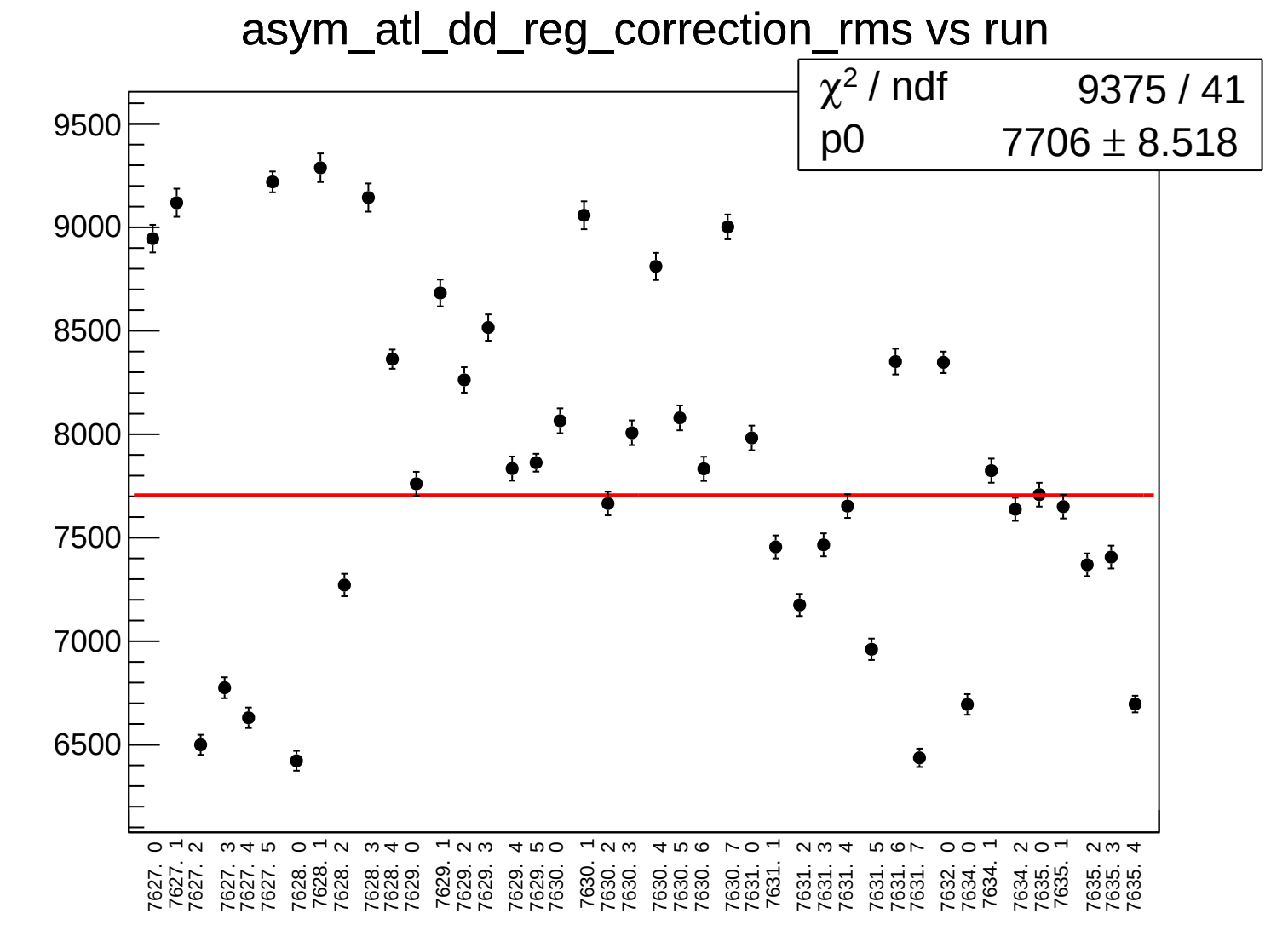

reg_asym_atl_dd_mean vs run
χ² / ndf 52.53 / 41
p0 −860.9 ± 2777
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1497
Std Dev 0
2
1
0
−1
−2
−3

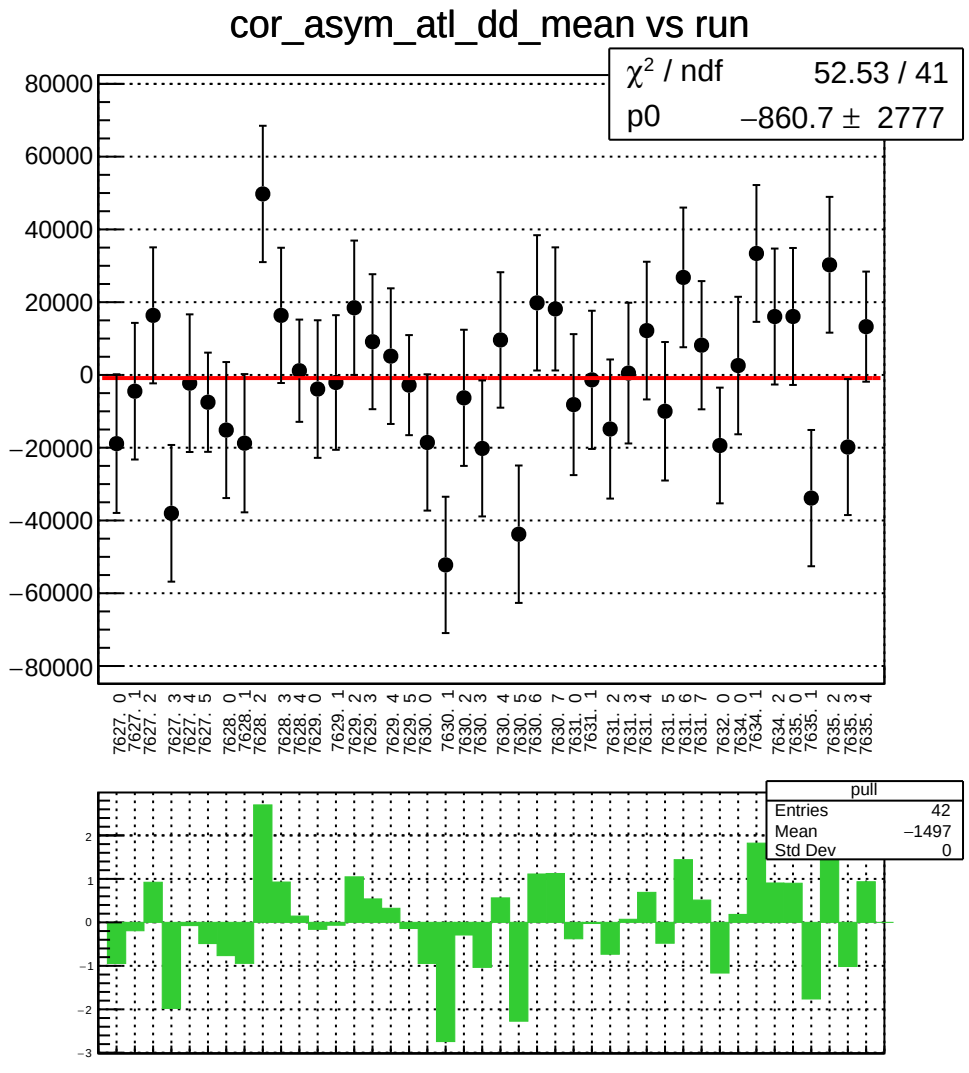

pull1D
Entries 42
Mean −0.001419
Std Dev 1.118
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

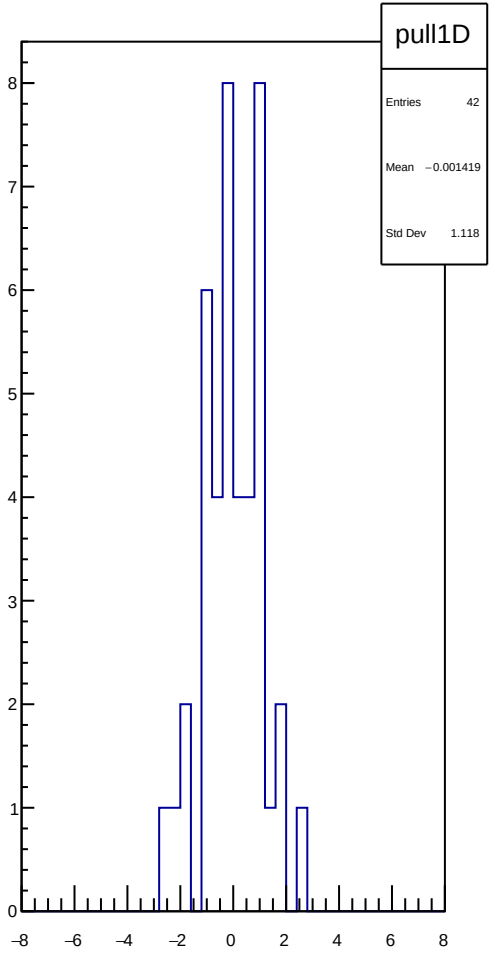

reg_asym_atl_dd_rms vs run
χ² / ndf 103.5 / 41
p0 1786 ± 1.964
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

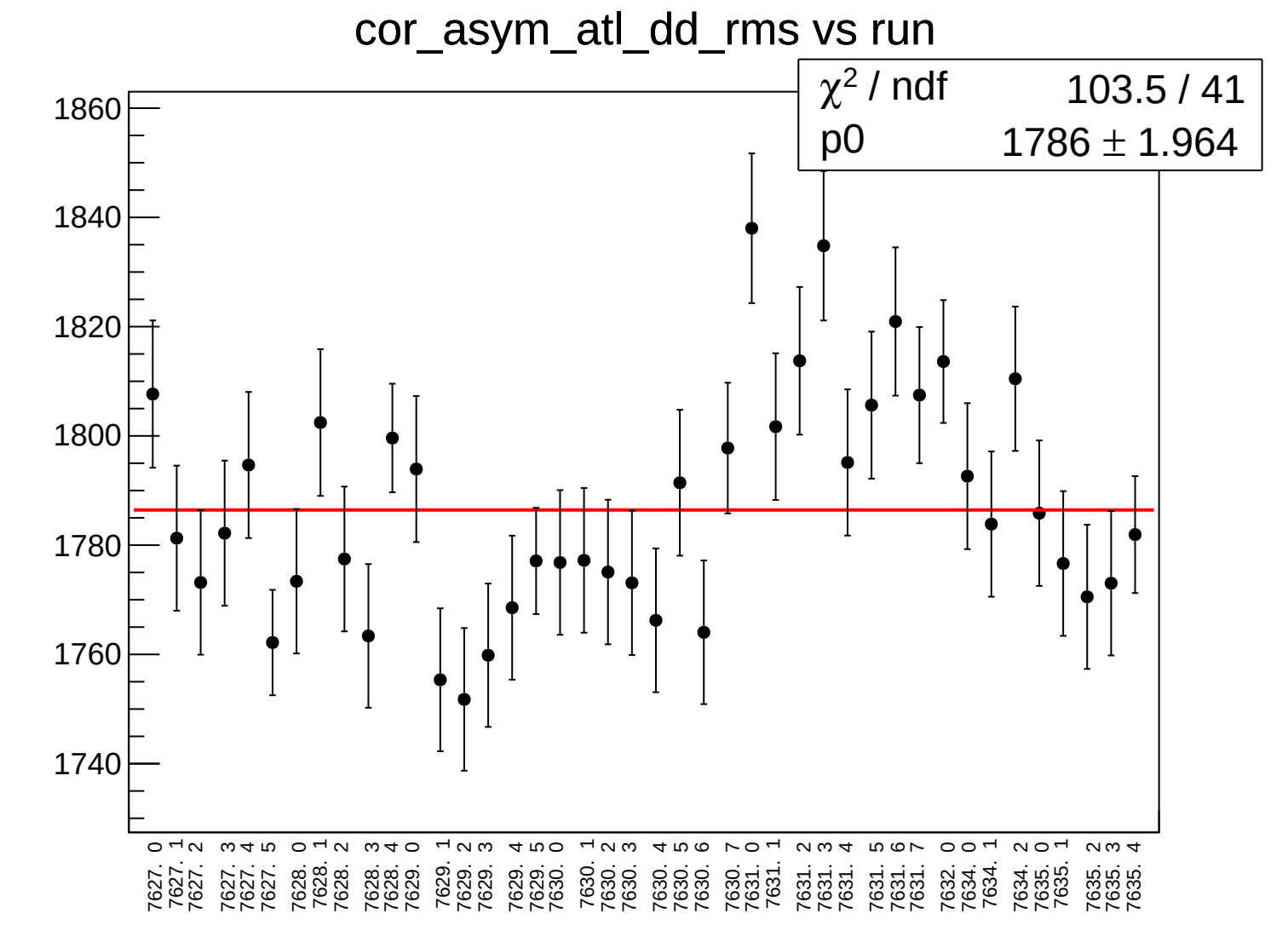

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 32.8 / 41
p0 −2.77e+04 ± 1.205e+04
pull
Entries 42
Mean −10.49
Std Dev 0

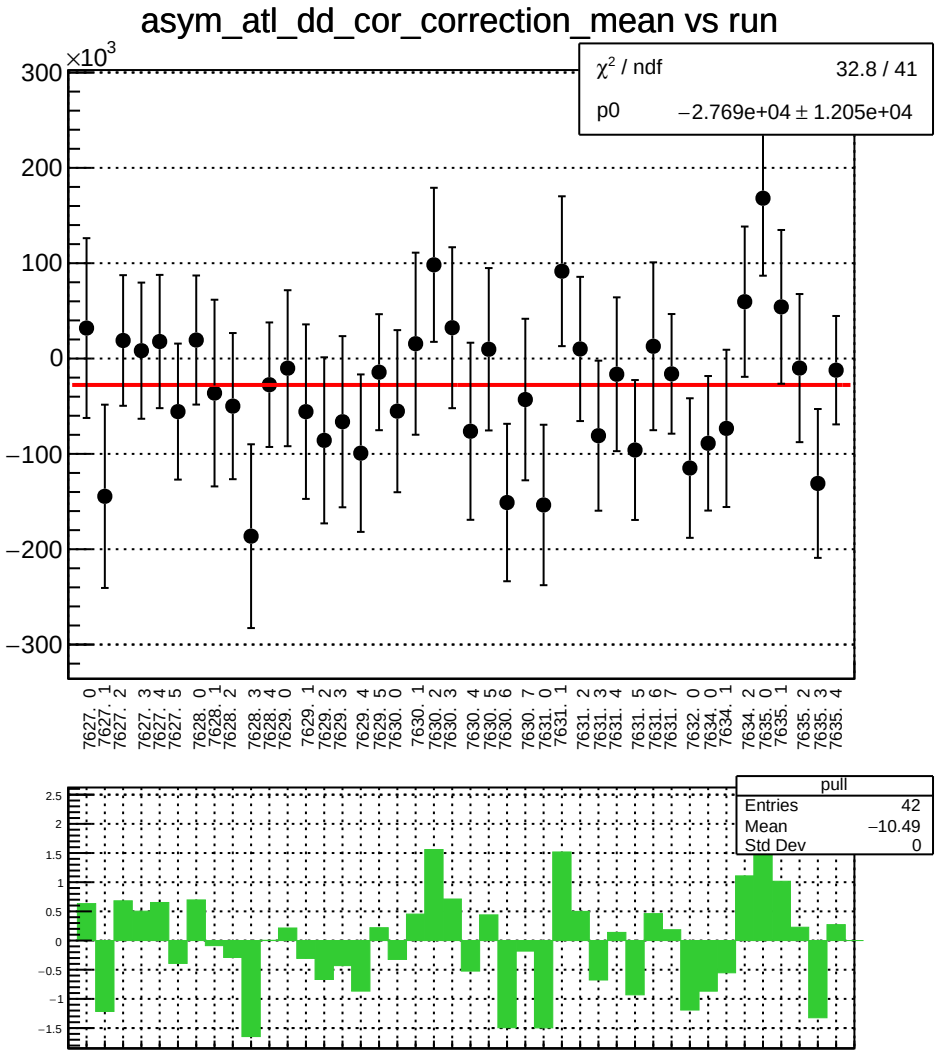

pull1D
Entries 42
Mean −0.02034
Std Dev 0.8835

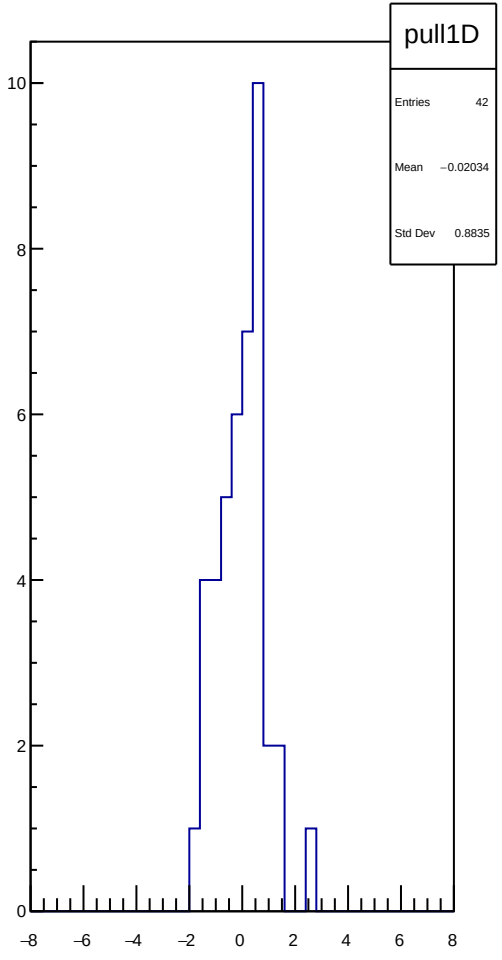

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 9375 / 41
p0 7706 ± 8.518
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

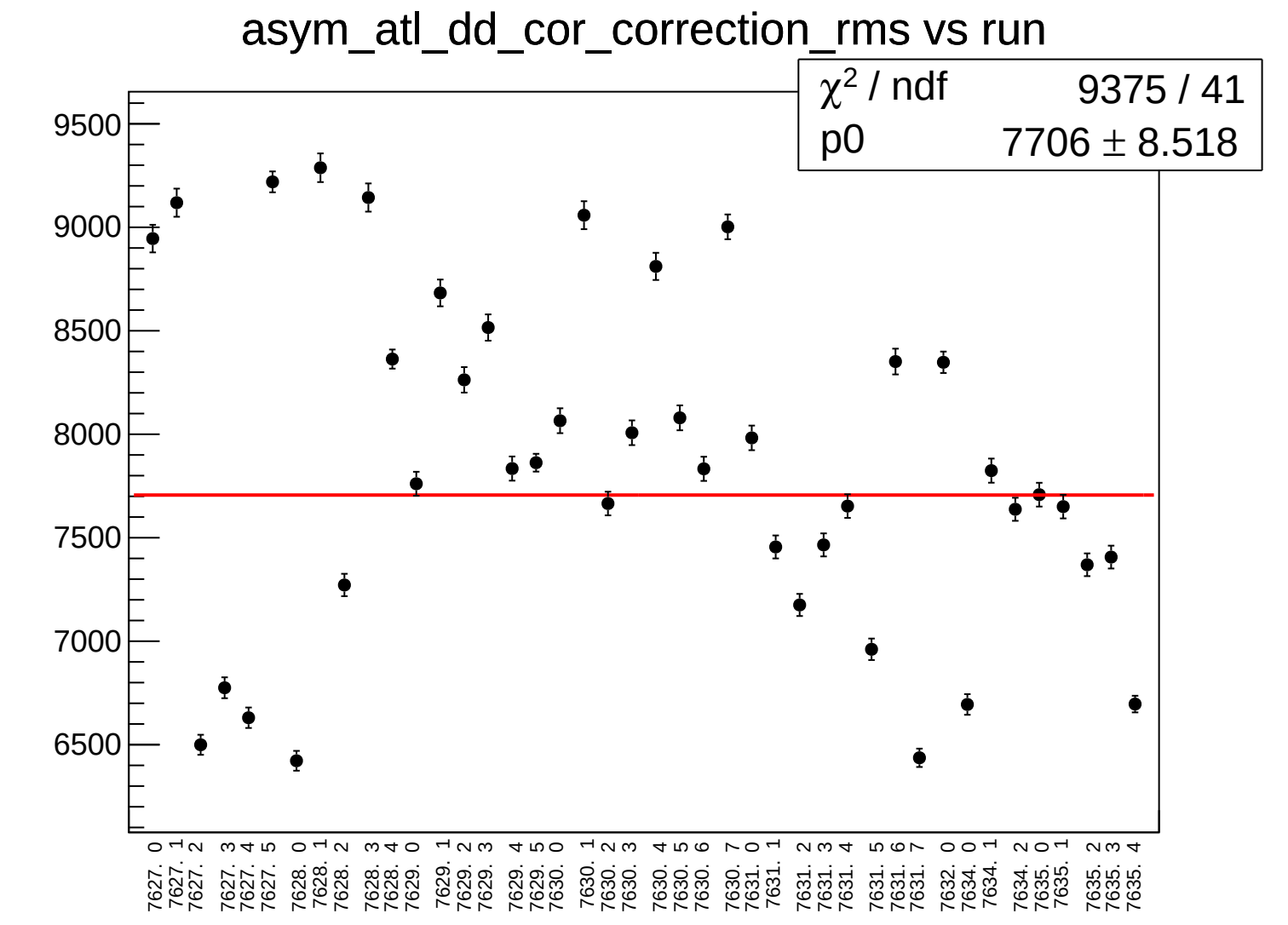

cor_asym_atl_dd_mean vs run
χ² / ndf 52.53 / 41
p0 −860.7 ± 2777
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1497
Std Dev 0
2
1
0
−1
−2
−3

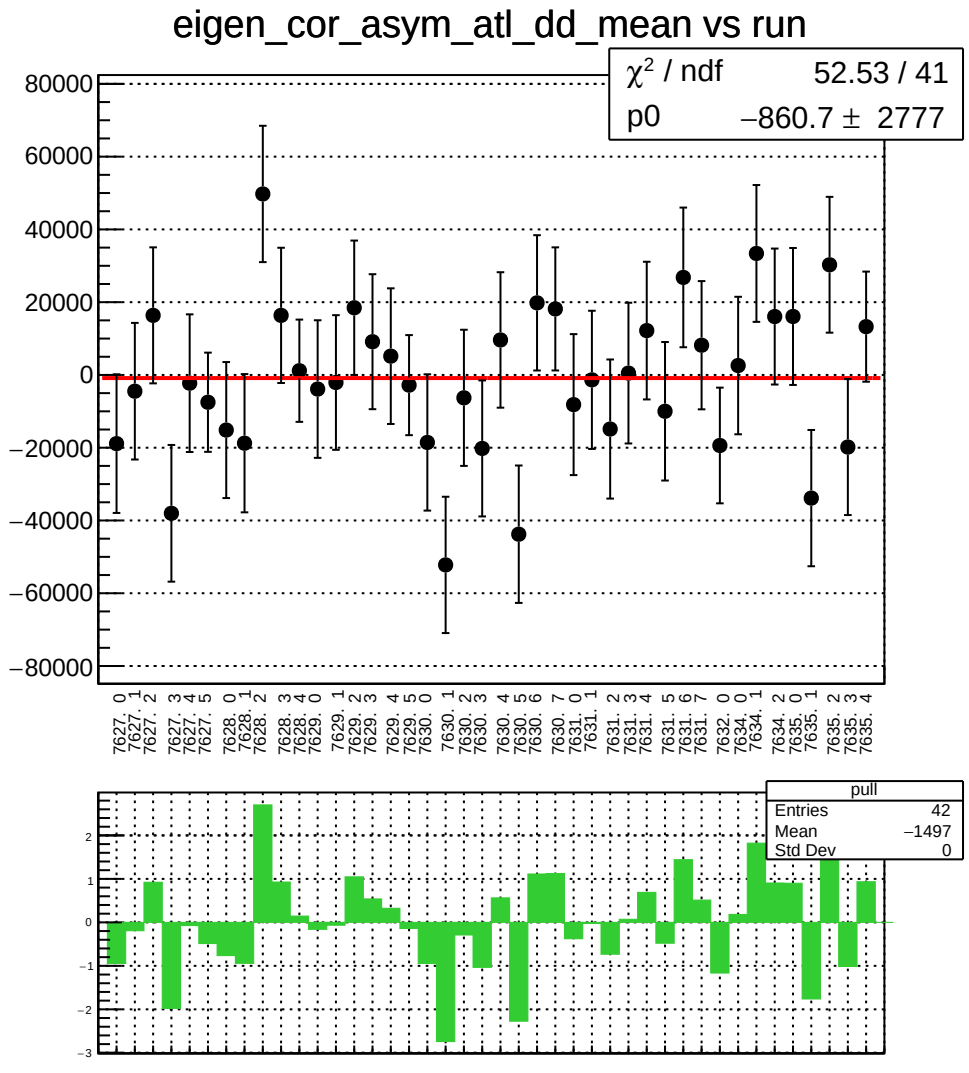

pull1D
Entries 42
Mean −0.001419
Std Dev 1.118
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

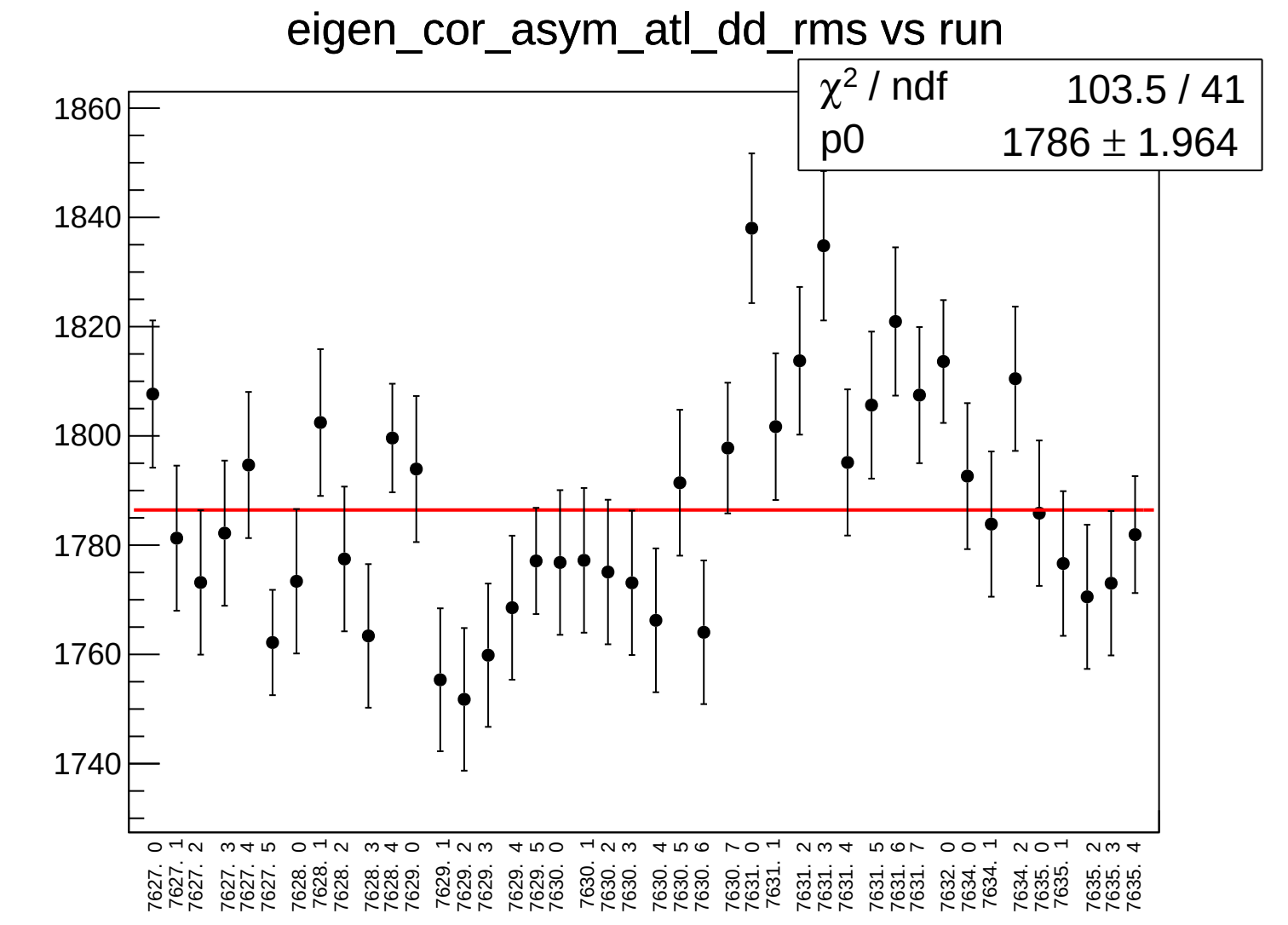

cor_asym_atl_dd_rms vs run
χ² / ndf 103.5 / 41
p0 1786 ± 1.964
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

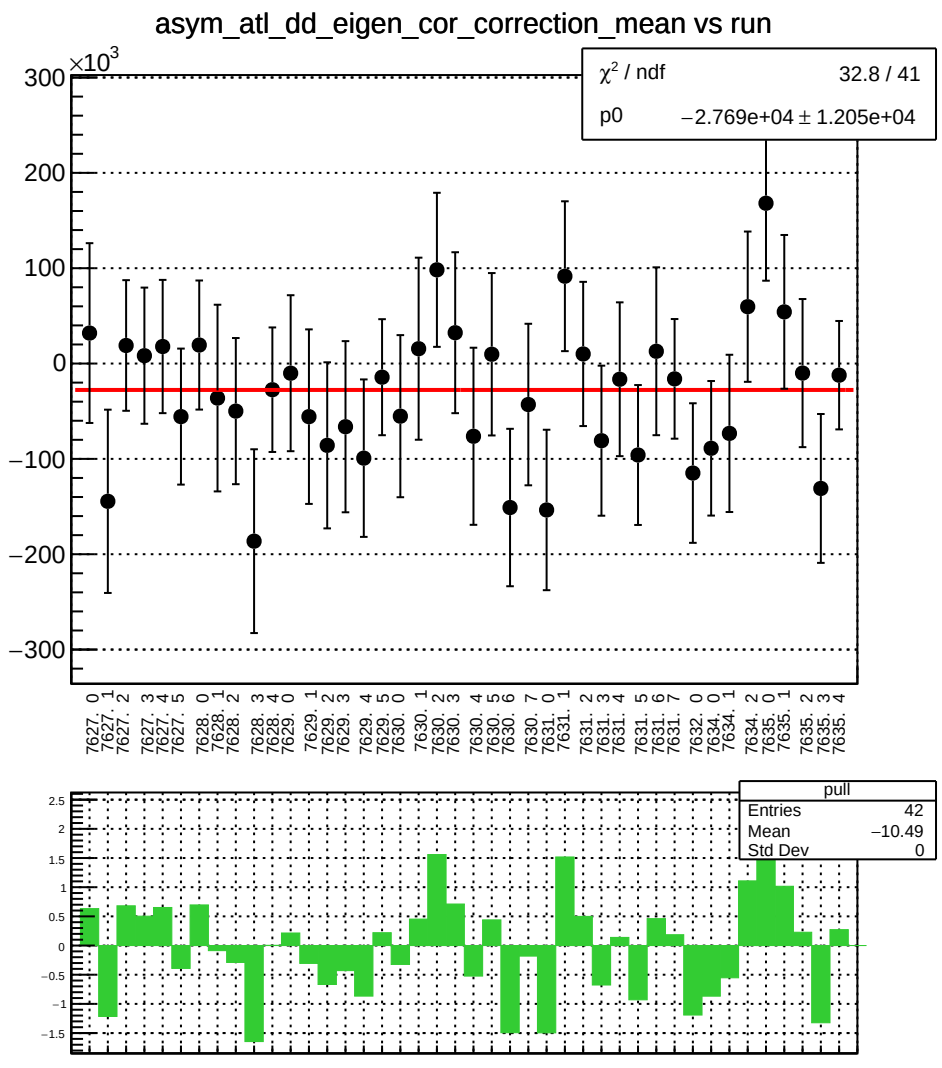

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 32.8 / 41
p0 −2.769e+04 ± 1.205e+04
pull
Entries 42
Mean −10.49
Std Dev 0

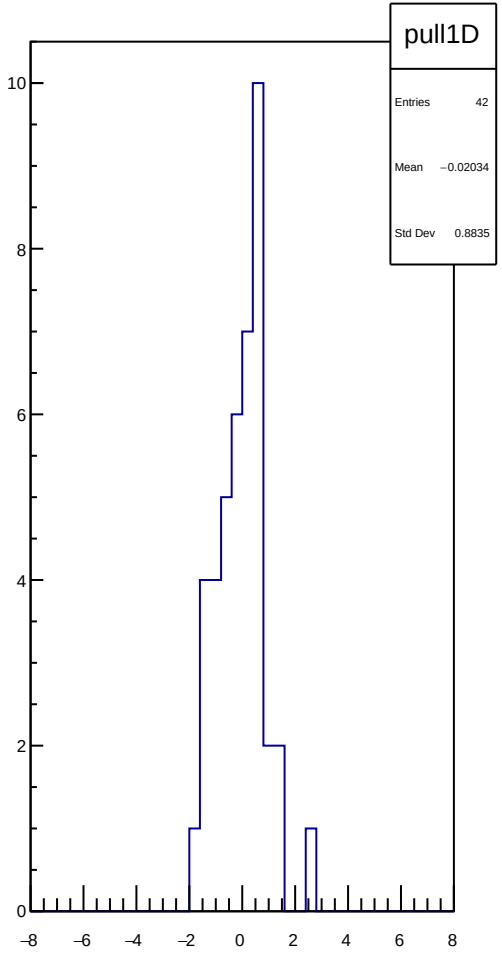

pull1D
Entries 42
Mean −0.02034
Std Dev 0.8835

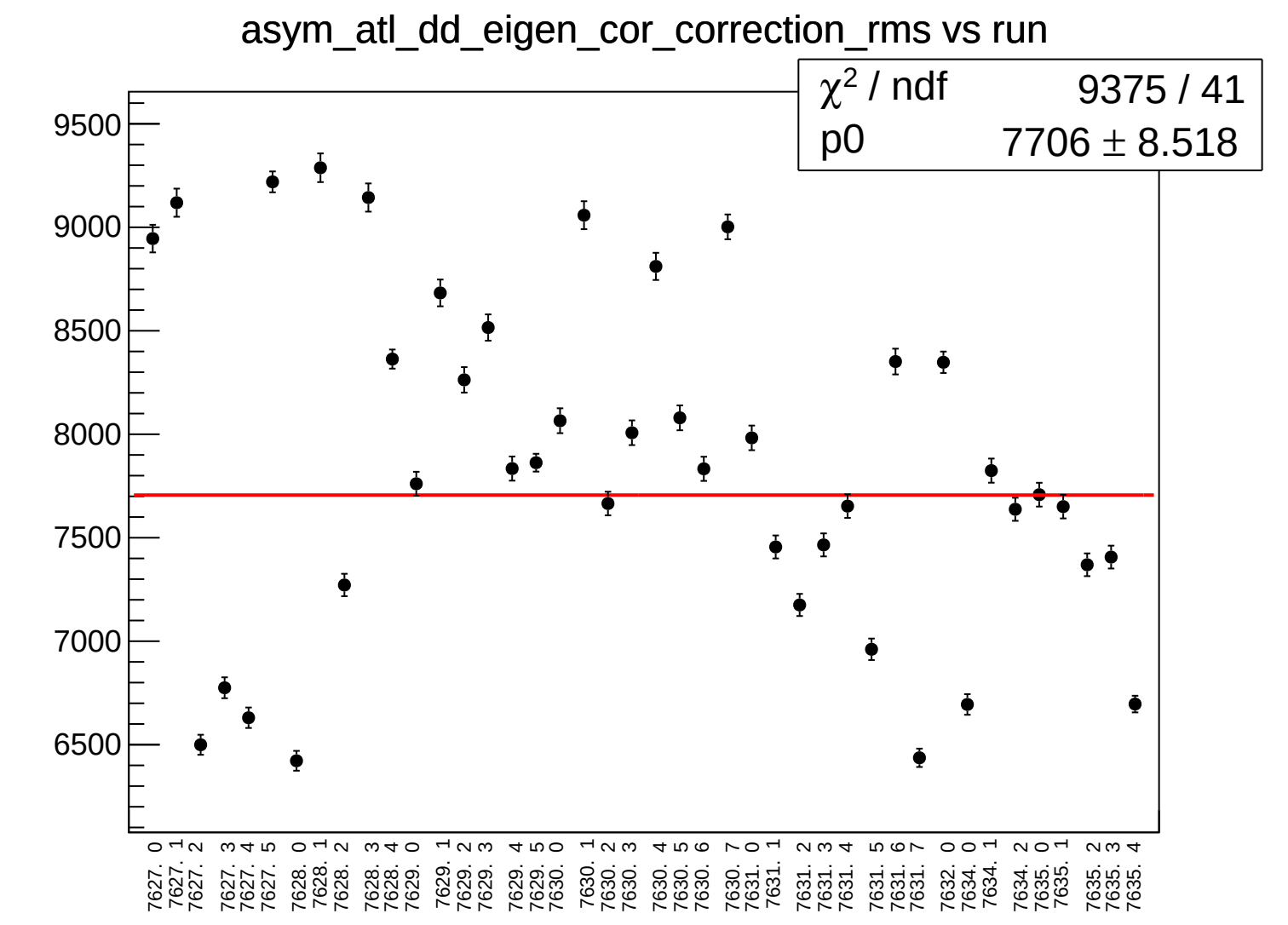

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 9375 / 41
p0 7706 ± 8.518
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

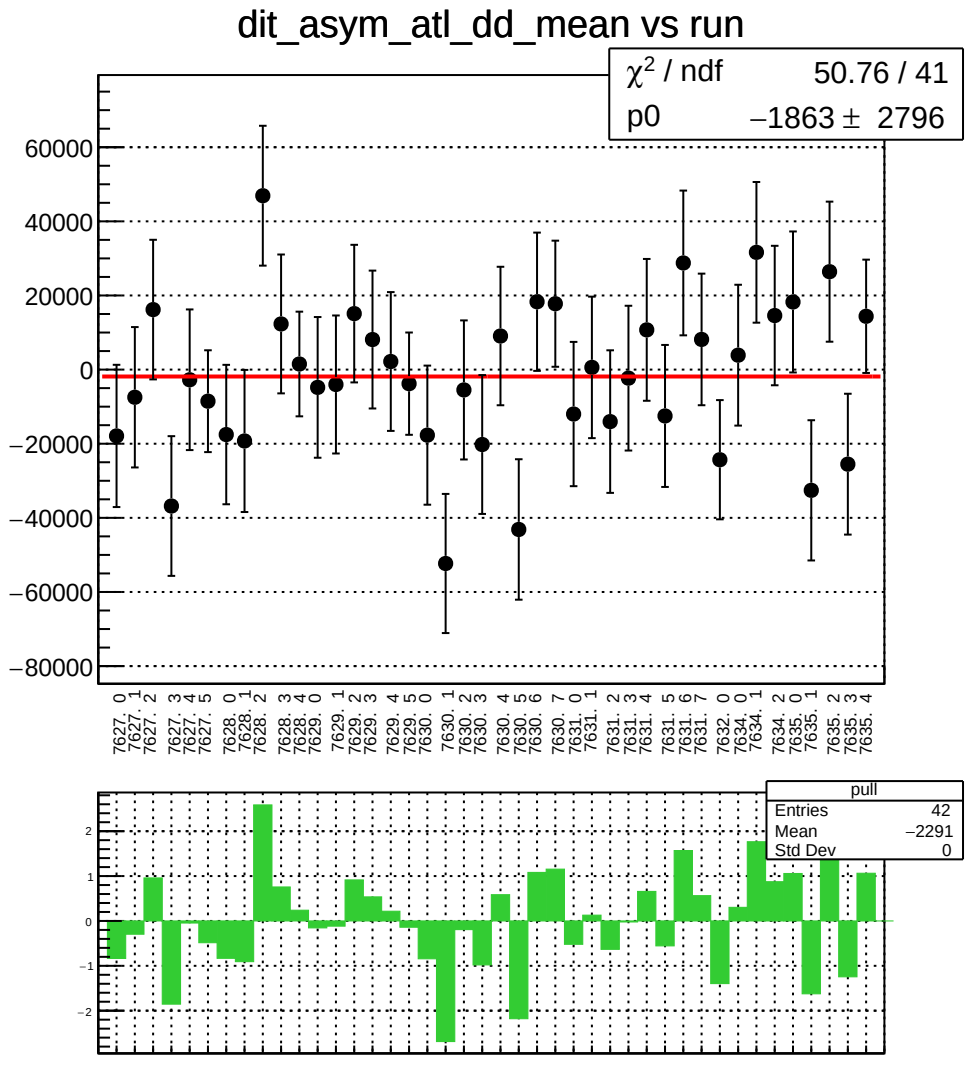

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 52.53 / 41
p0 −860.7 ± 2777
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1497
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.001419
Std Dev 1.118
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

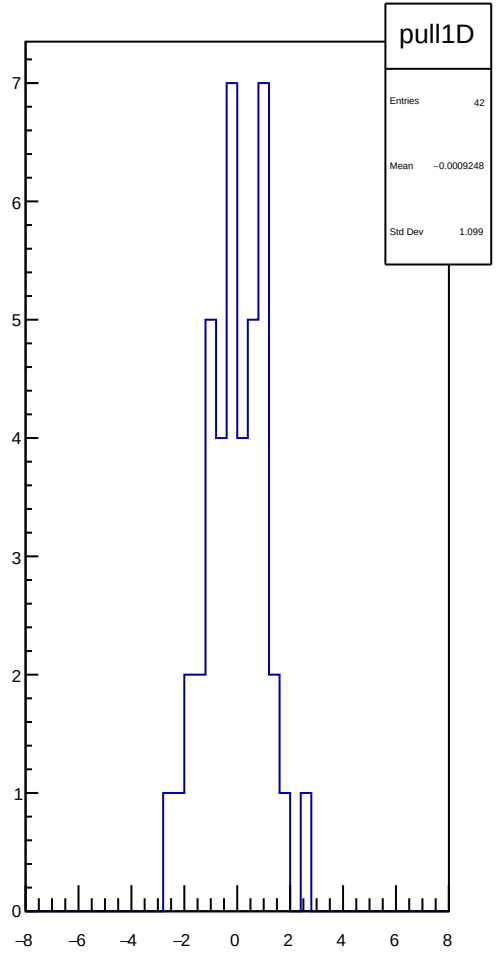

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 103.5 / 41
p0 1786 ± 1.964
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

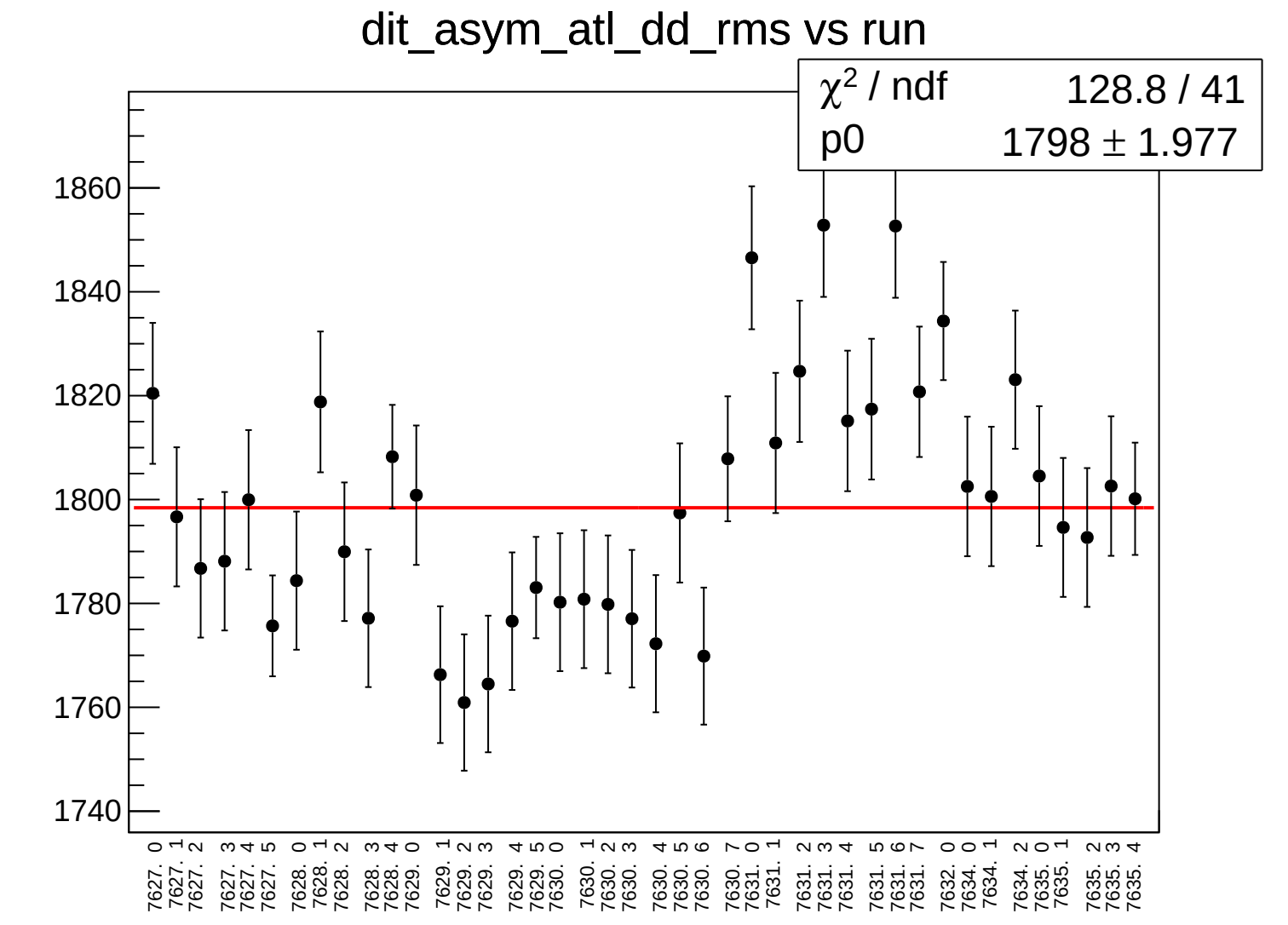

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.8 / 41
p0 −2.769e+04 ± 1.205e+04
pull
Entries 42
Mean −10.49
Std Dev 0

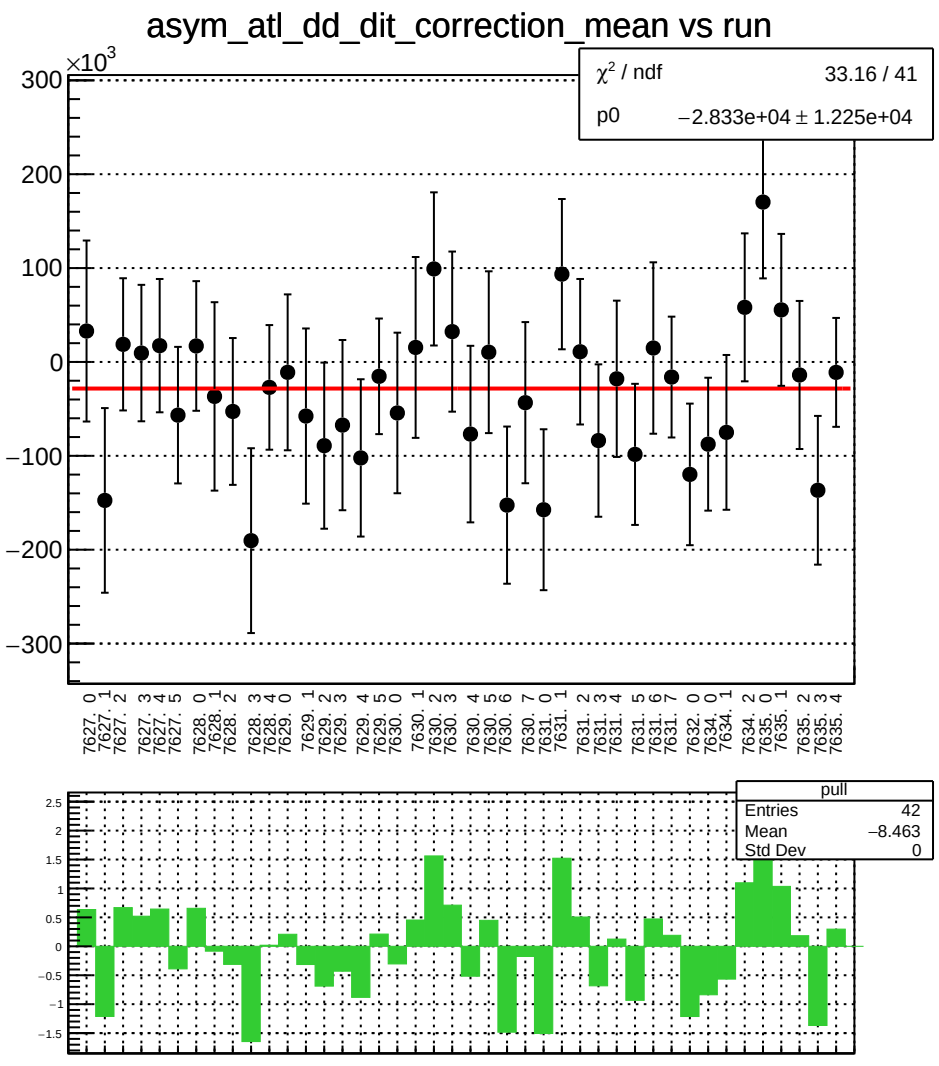

pull1D
Entries 42
Mean −0.02034
Std Dev 0.8835

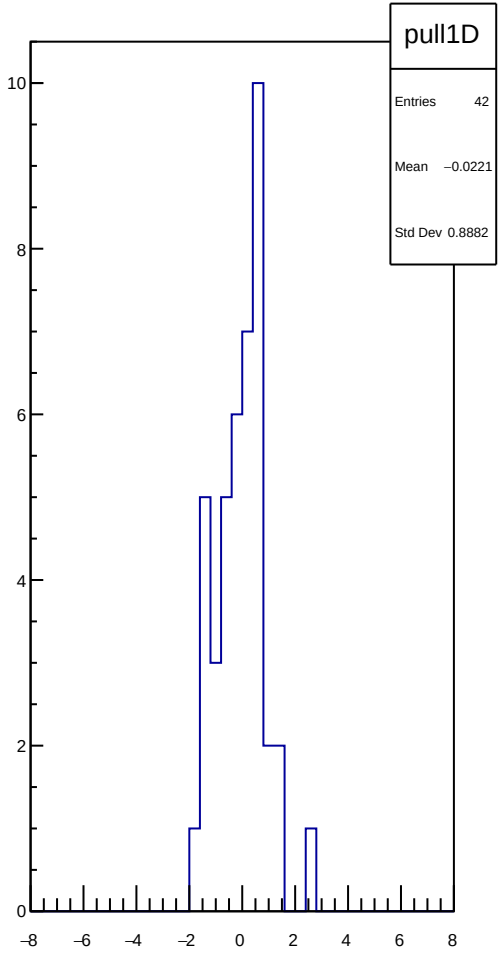

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 9375 / 41
p0 7706 ± 8.518
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

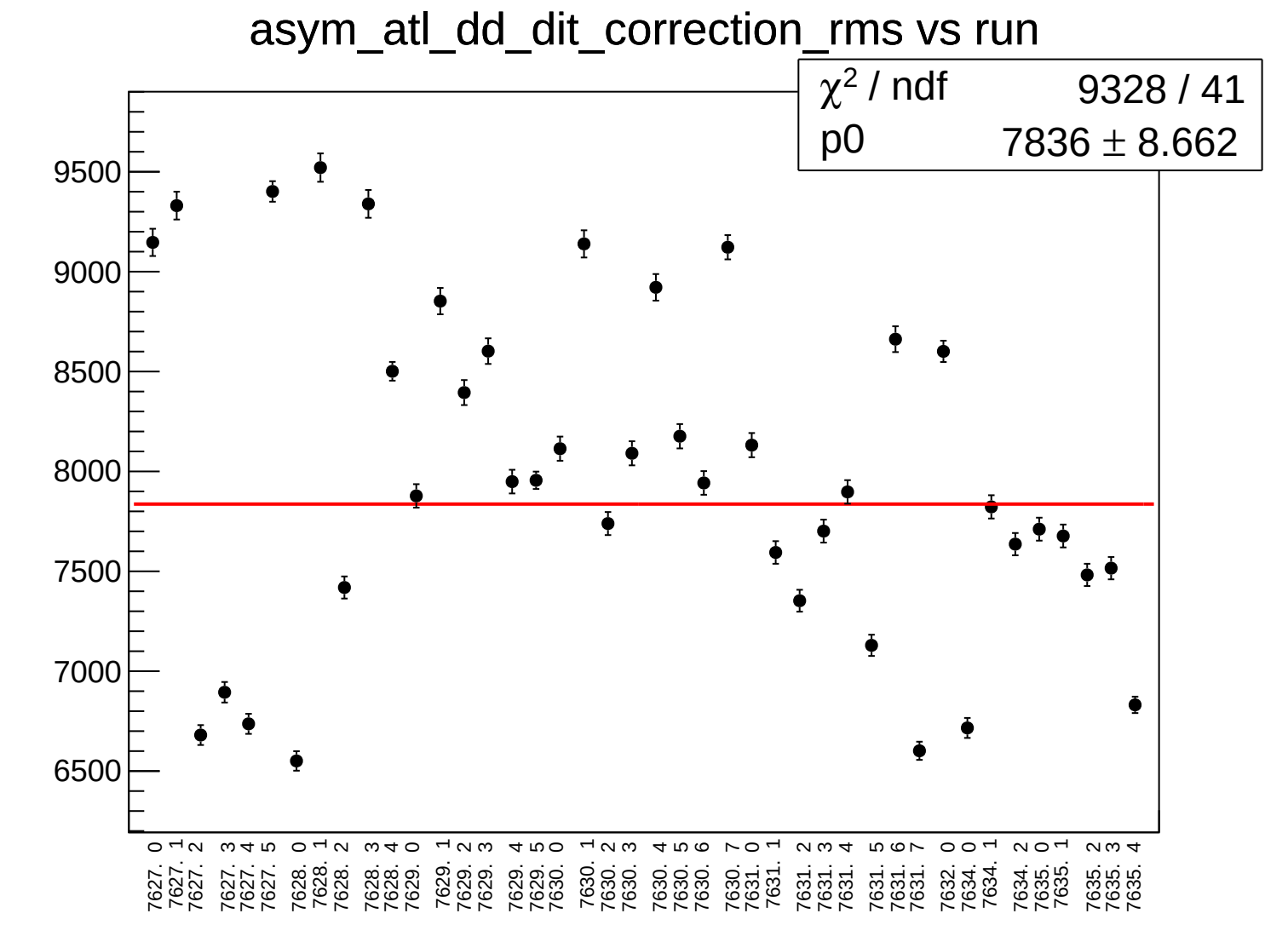

dit_asym_atl_dd_mean vs run
χ² / ndf 50.76 / 41
p0 −1863 ± 2796
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2291
Std Dev 0
2
1
0
−1
−2

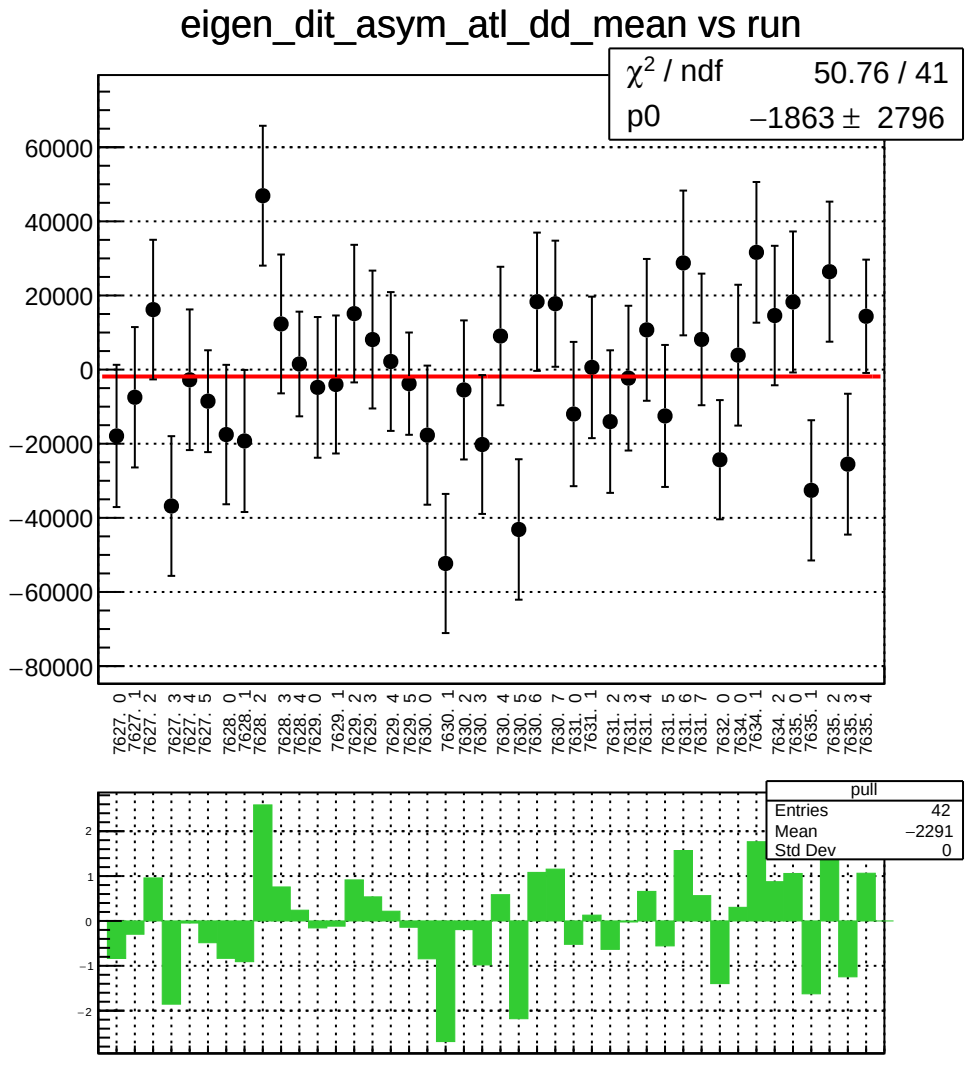

pull1D
Entries 42
Mean −0.0009248
Std Dev 1.099
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

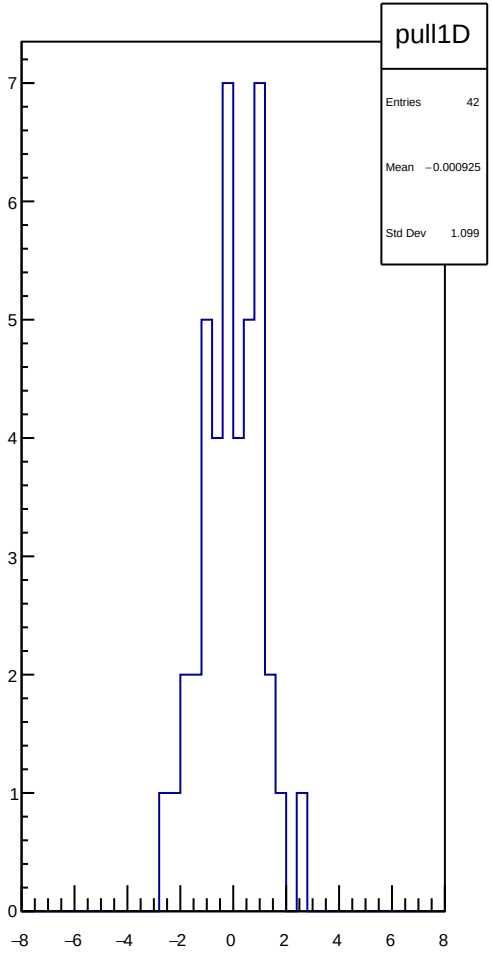

dit_asym_atl_dd_rms vs run
χ² / ndf 128.8 / 41
p0 1798 ± 1.977
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

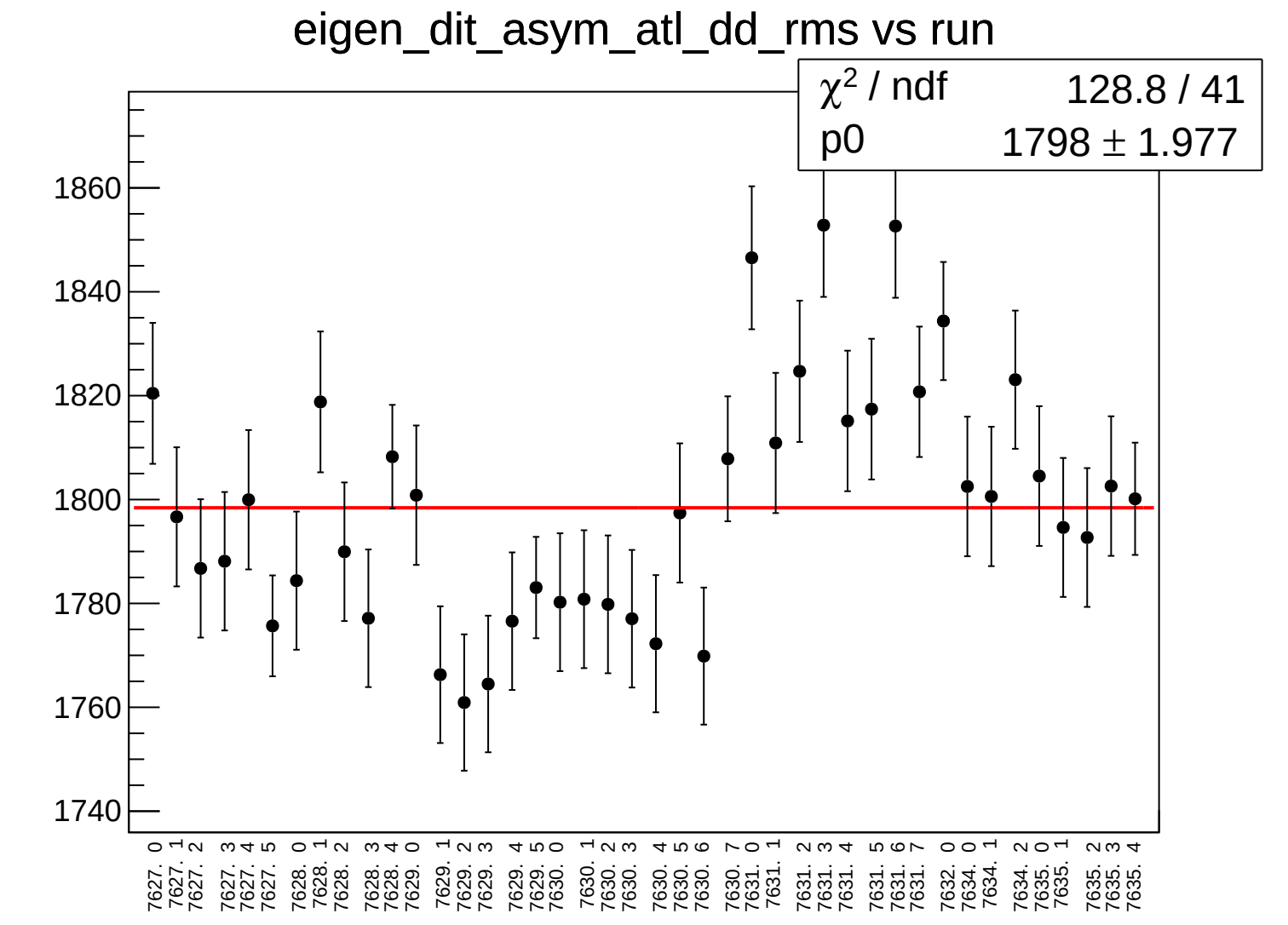

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 33.16 / 41
p0 −2.833e+04 ± 1.225e+04
pull
Entries 42
Mean −8.463
Std Dev 0

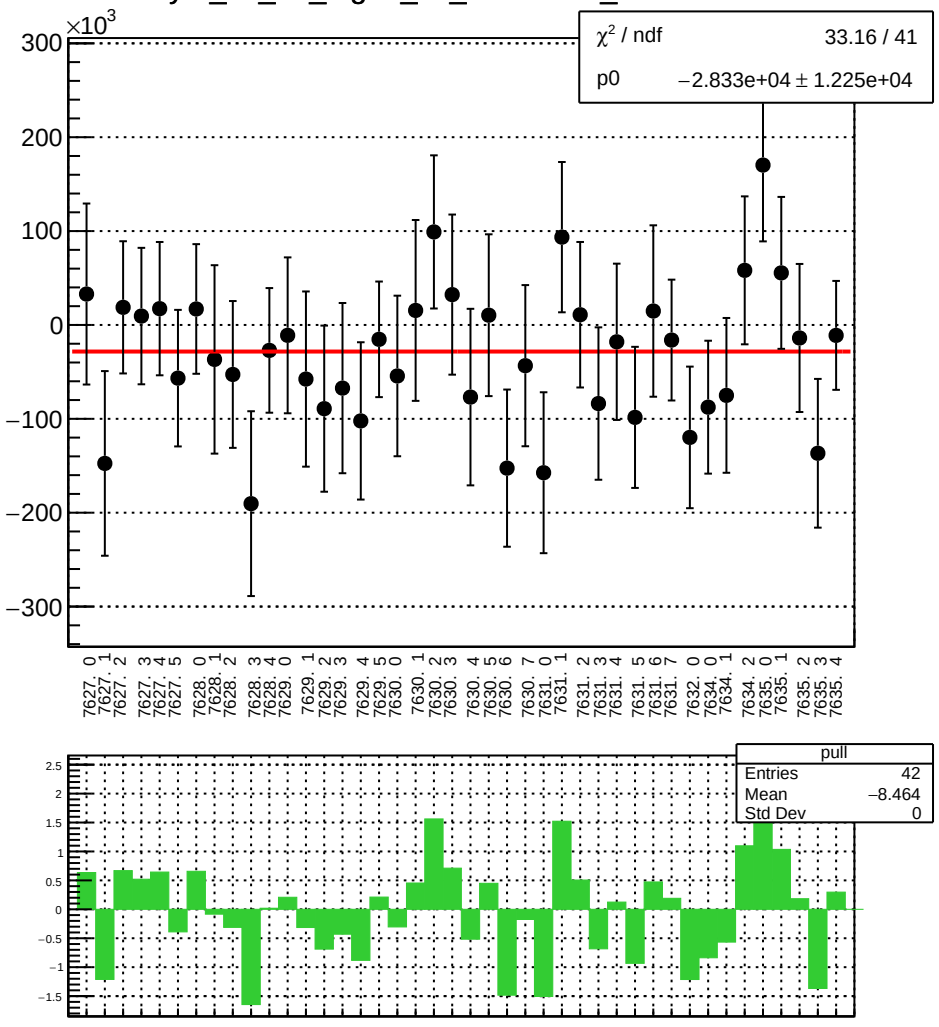

pull1D
Entries 42
Mean −0.0221
Std Dev 0.8882

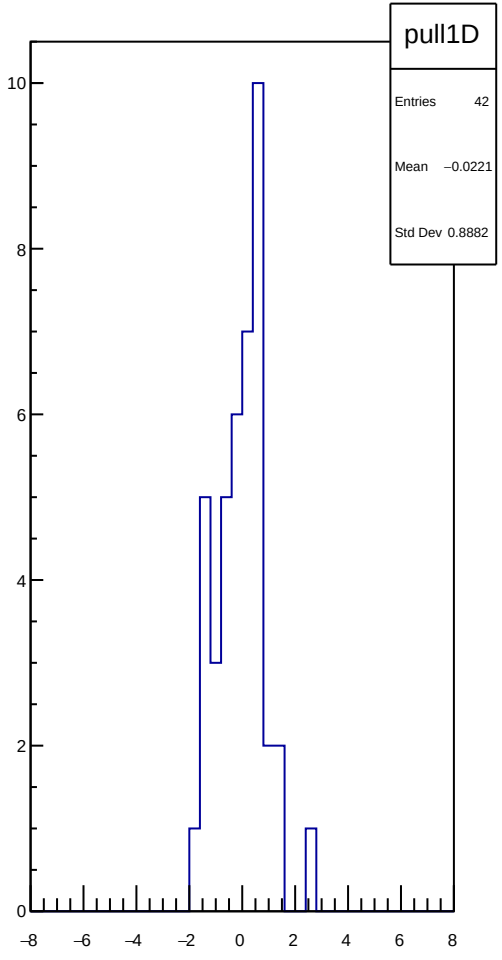

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 9328 / 41
p0 7836 ± 8.662
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

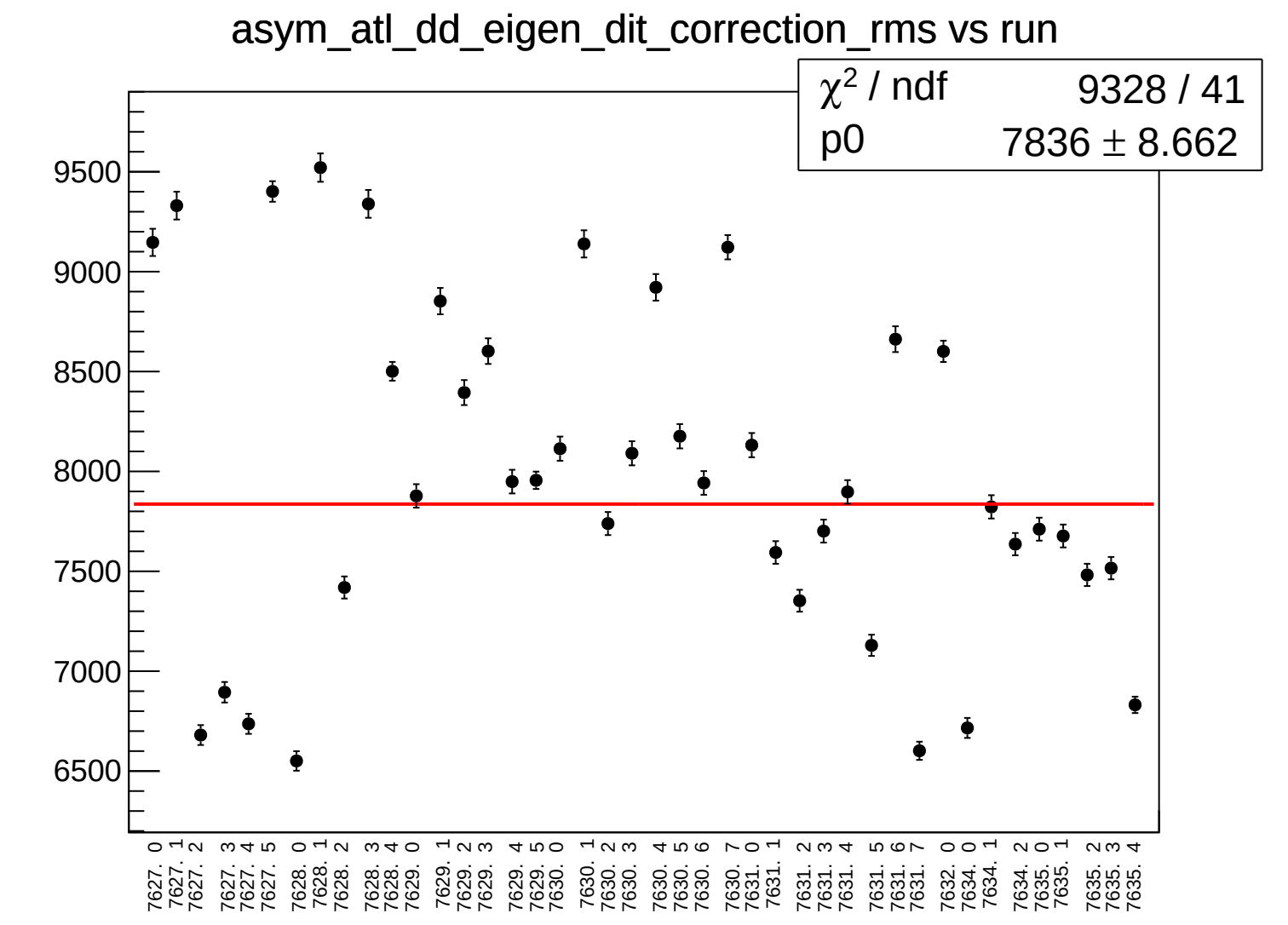

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 50.76 / 41
p0 −1863 ± 2796
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2291
Std Dev 0
2
1
0
−1
−2

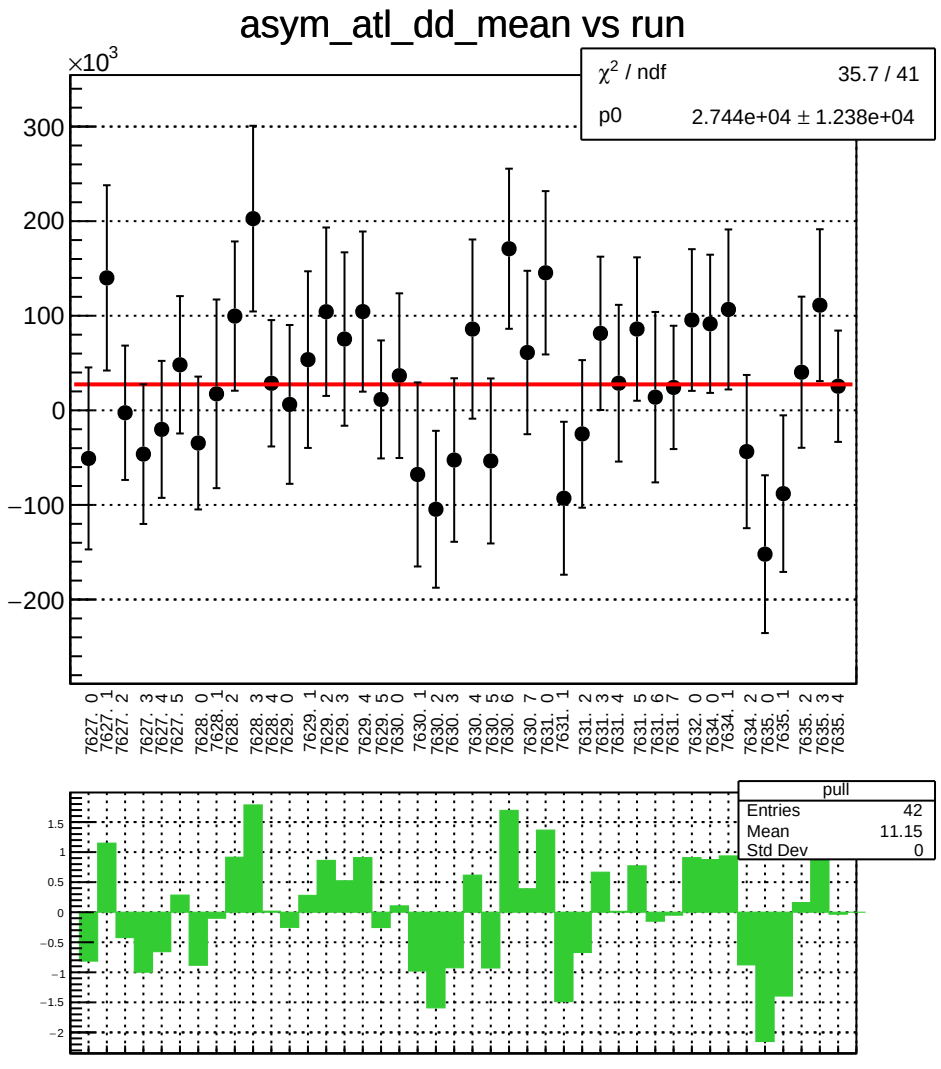

pull1D
Entries 42
Mean −0.000925
Std Dev 1.099
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

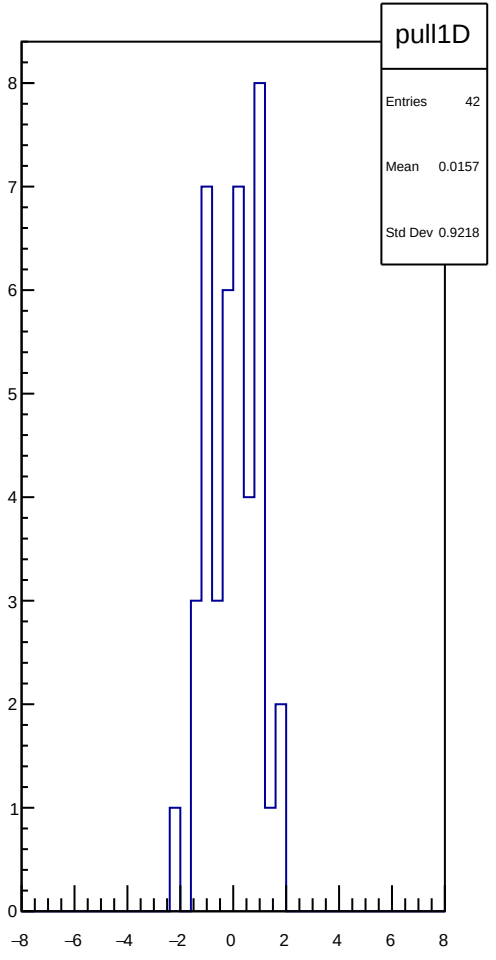

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 128.8 / 41
p0 1798 ± 1.977
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

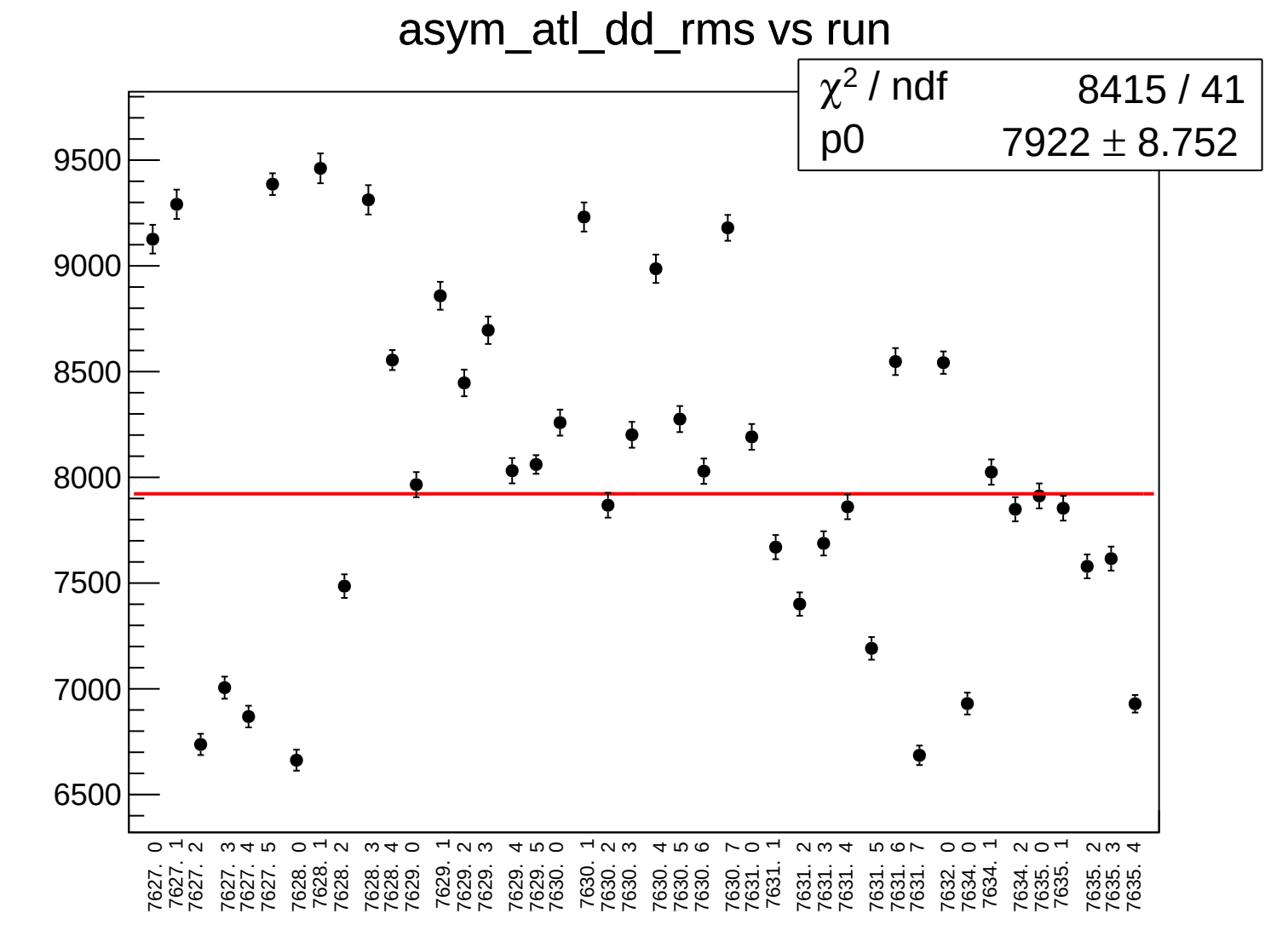

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 33.16 / 41
p0 −2.833e+04 ± 1.225e+04
pull
Entries 42
Mean −8.464
Std Dev 0

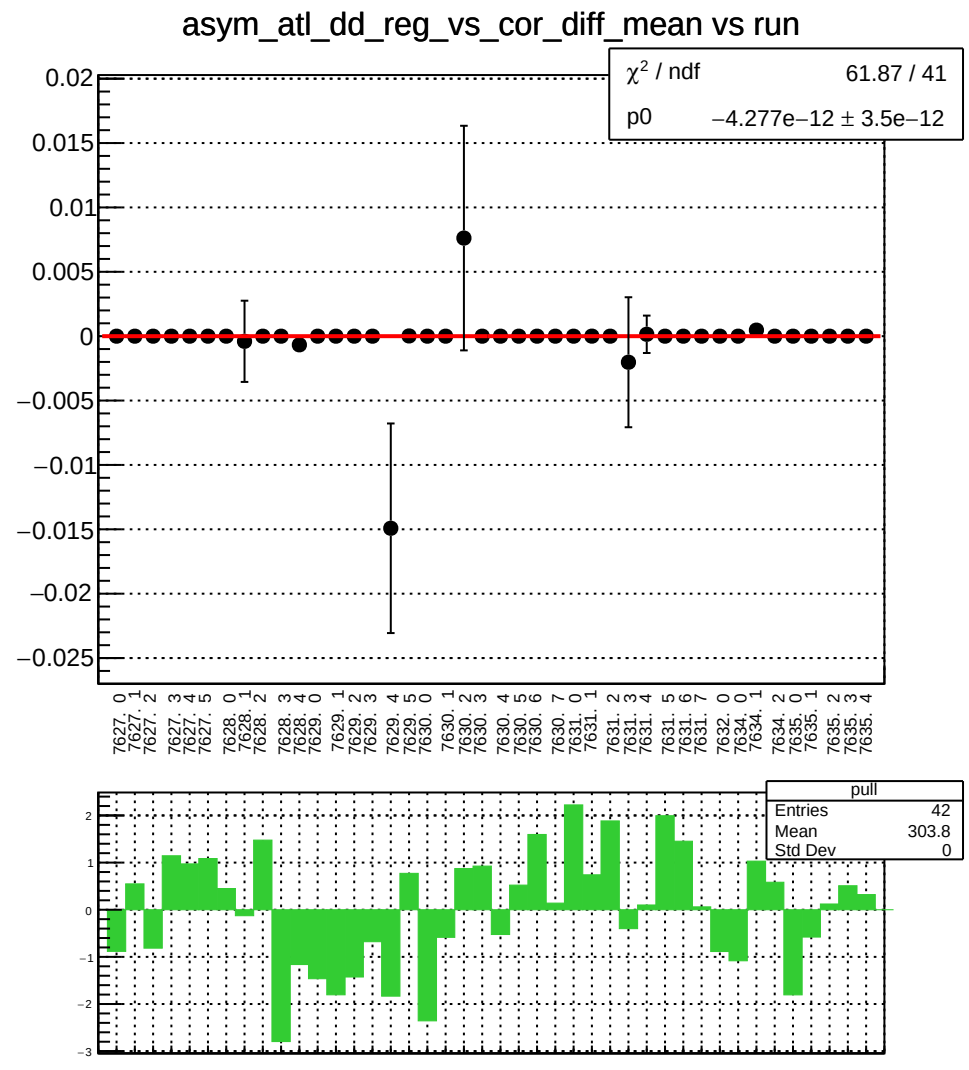

pull1D
Entries 42
Mean −0.0221
Std Dev 0.8882

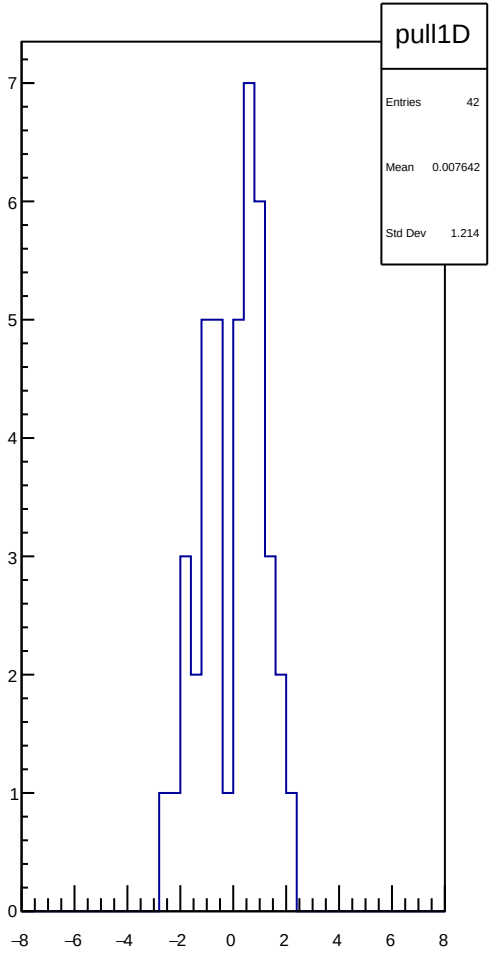

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 9328 / 41
p0 7836 ± 8.662
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

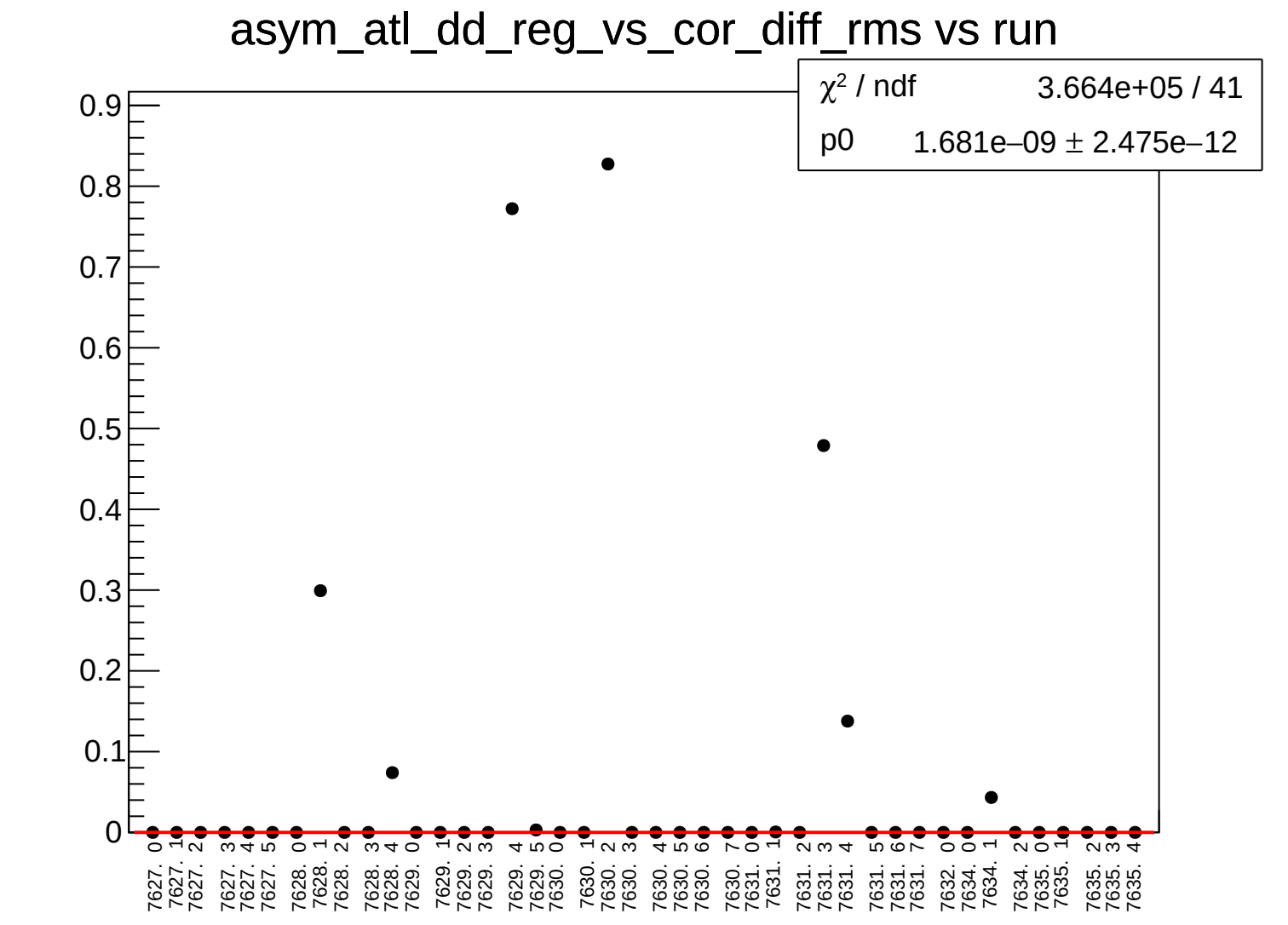

asym_atl_dd_mean vs run
×10^3
χ² / ndf 35.7 / 41
p0 2.744e+04 ± 1.238e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 11.15
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

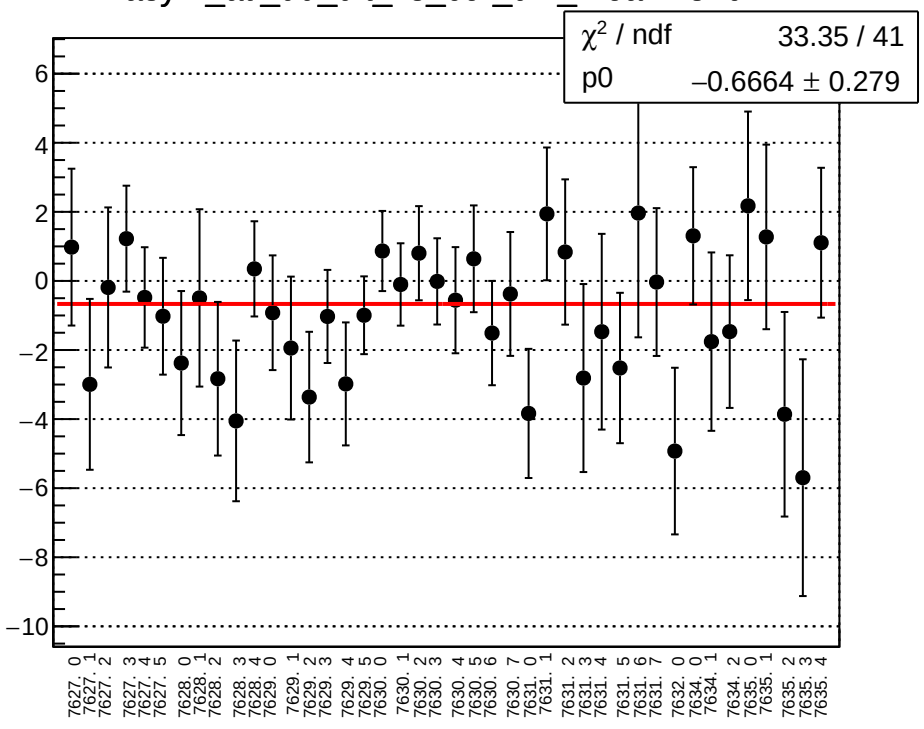

pull1D
Entries 42
Mean 0.0157
Std Dev 0.9218
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

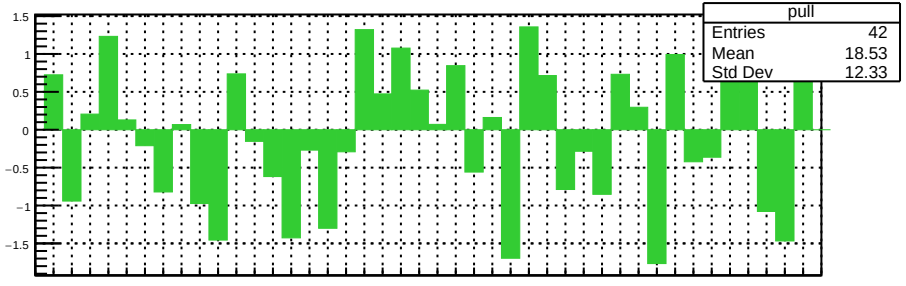

asym_atl_dd_rms vs run
χ² / ndf 8415 / 41
p0 7922 ± 8.752
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

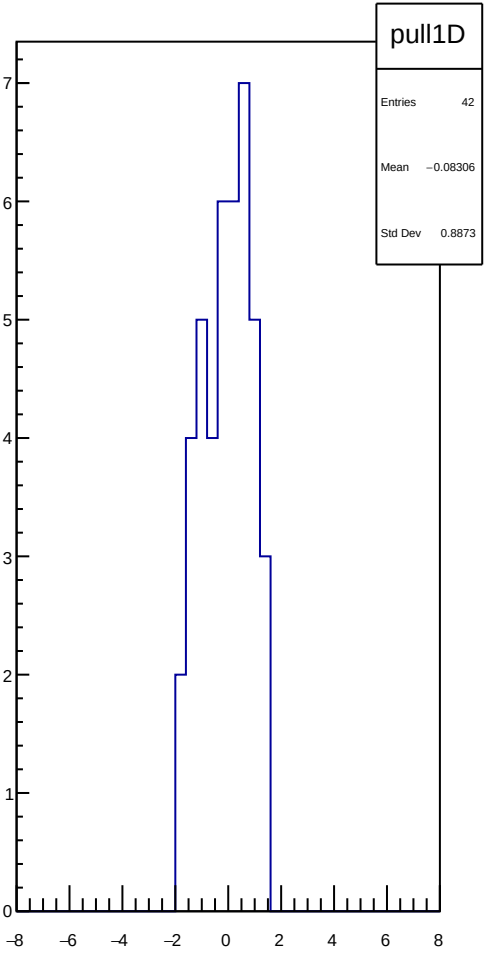

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.87 / 41
p0 −4.277e−12 ± 3.5e−12
pull
Entries 42
Mean 303.8
Std Dev 0

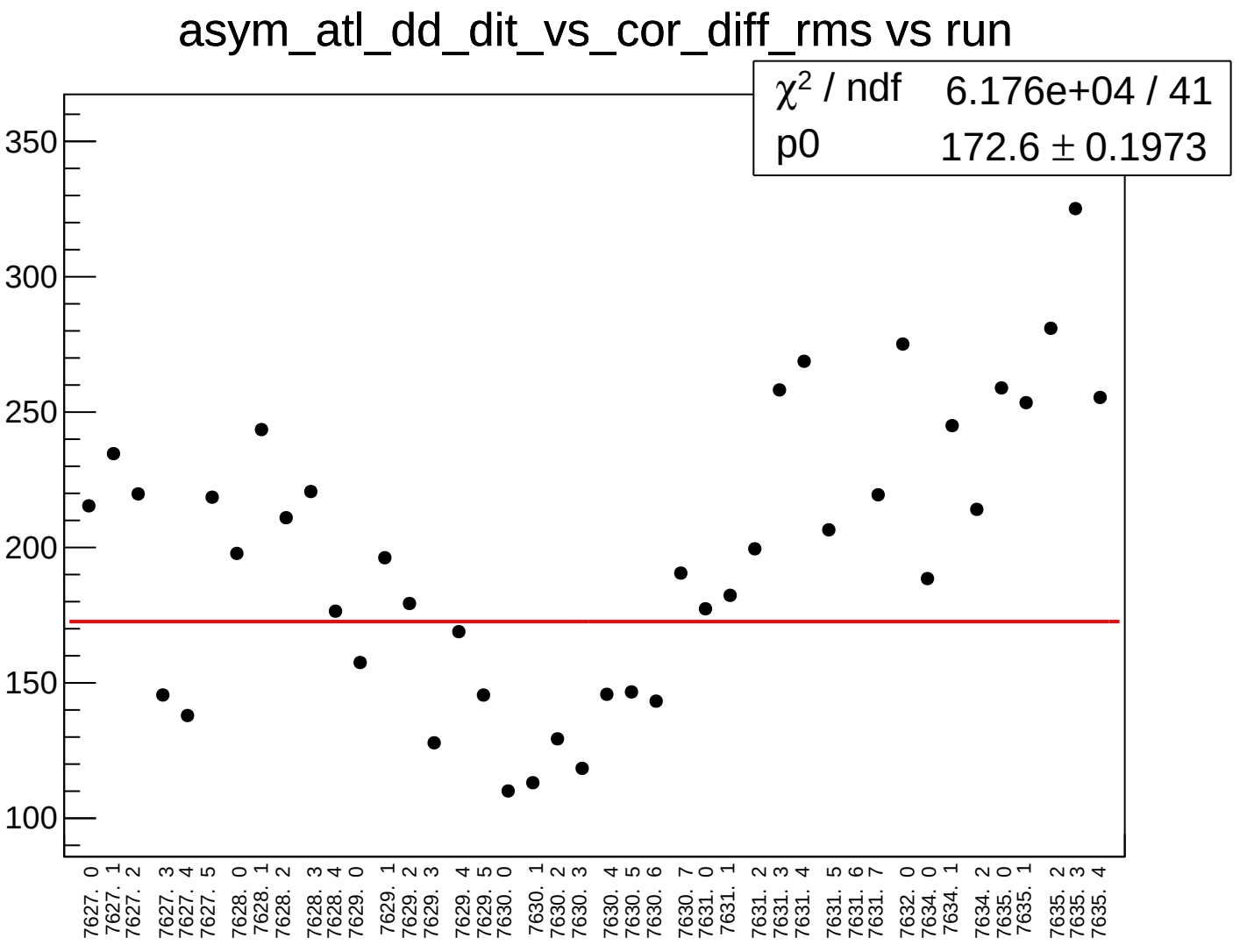

pull1D
Entries 42
Mean 0.007642
Std Dev 1.214

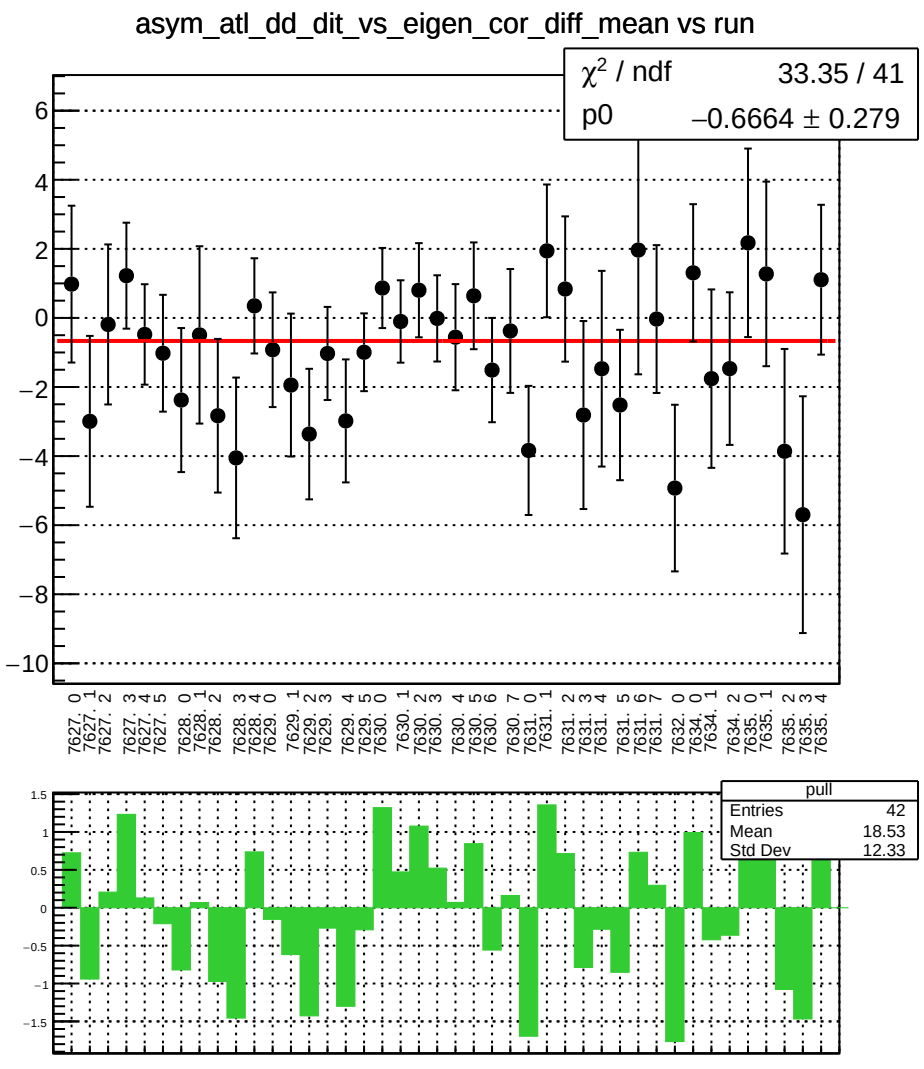

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.664e+05 / 41
p0 1.681e−09 ± 2.475e−12
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

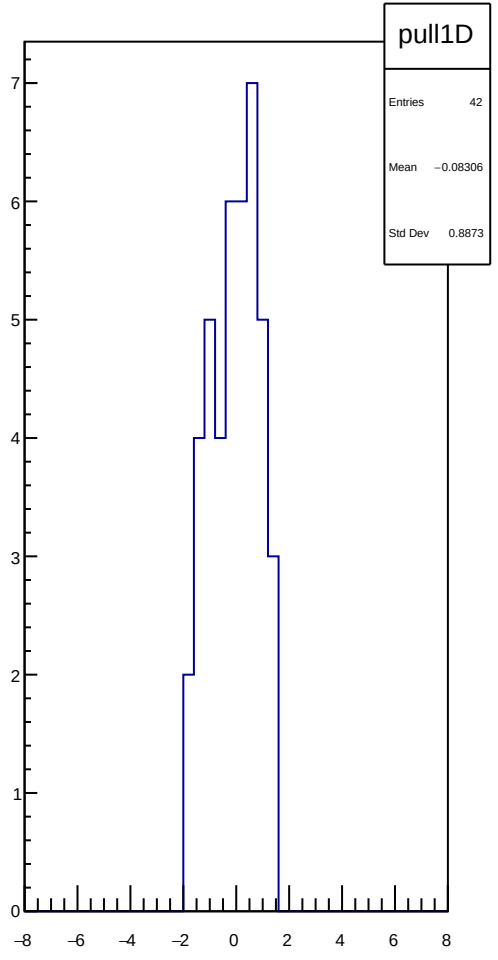

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 33.35 / 41
p0 −0.6664 ± 0.279
6
4
2
0
−2
−4
−6
−8
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

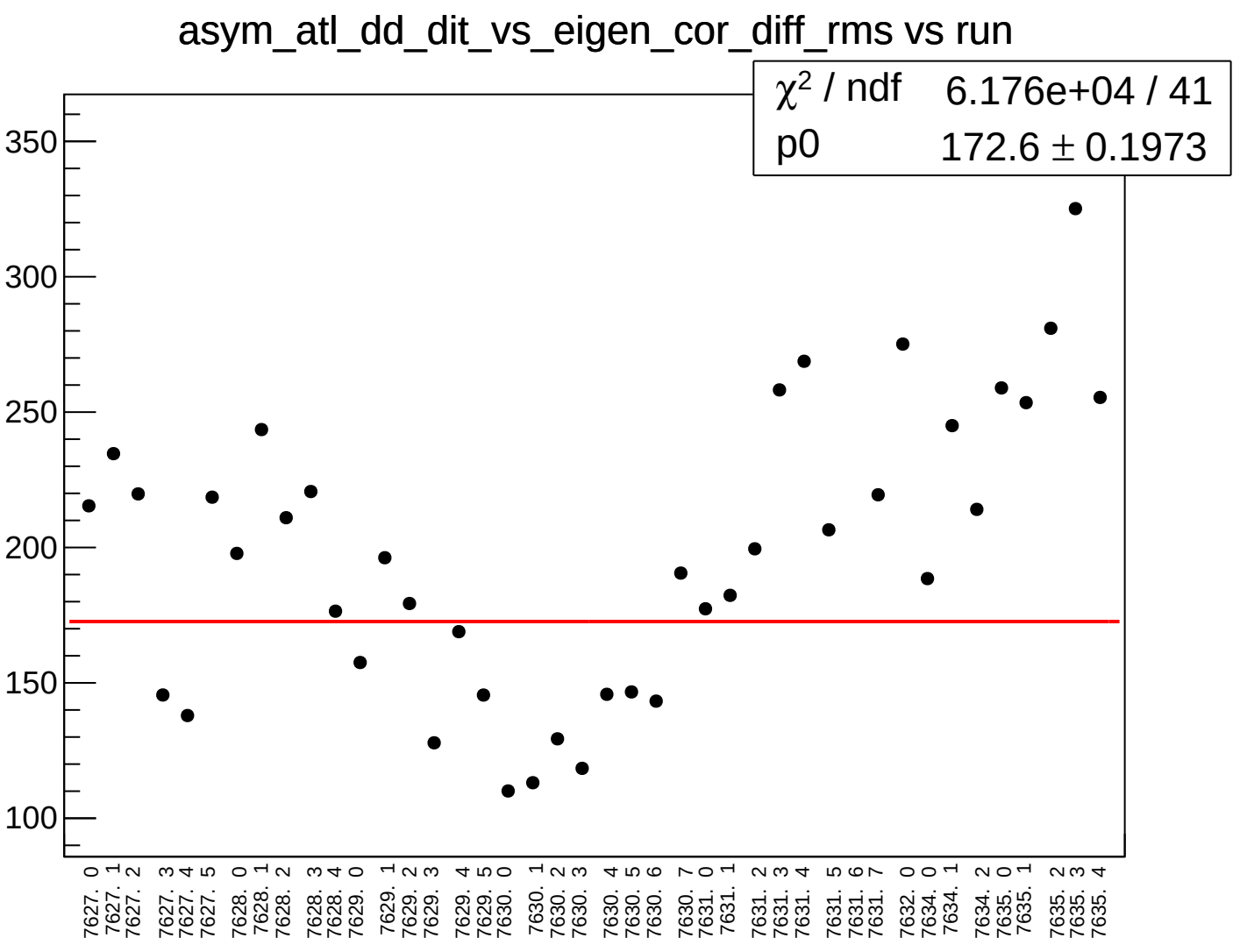

pull
Entries 42
Mean 18.53
Std Dev 12.33
1.5
1
0.5
0
−0.5
−1
−1.5

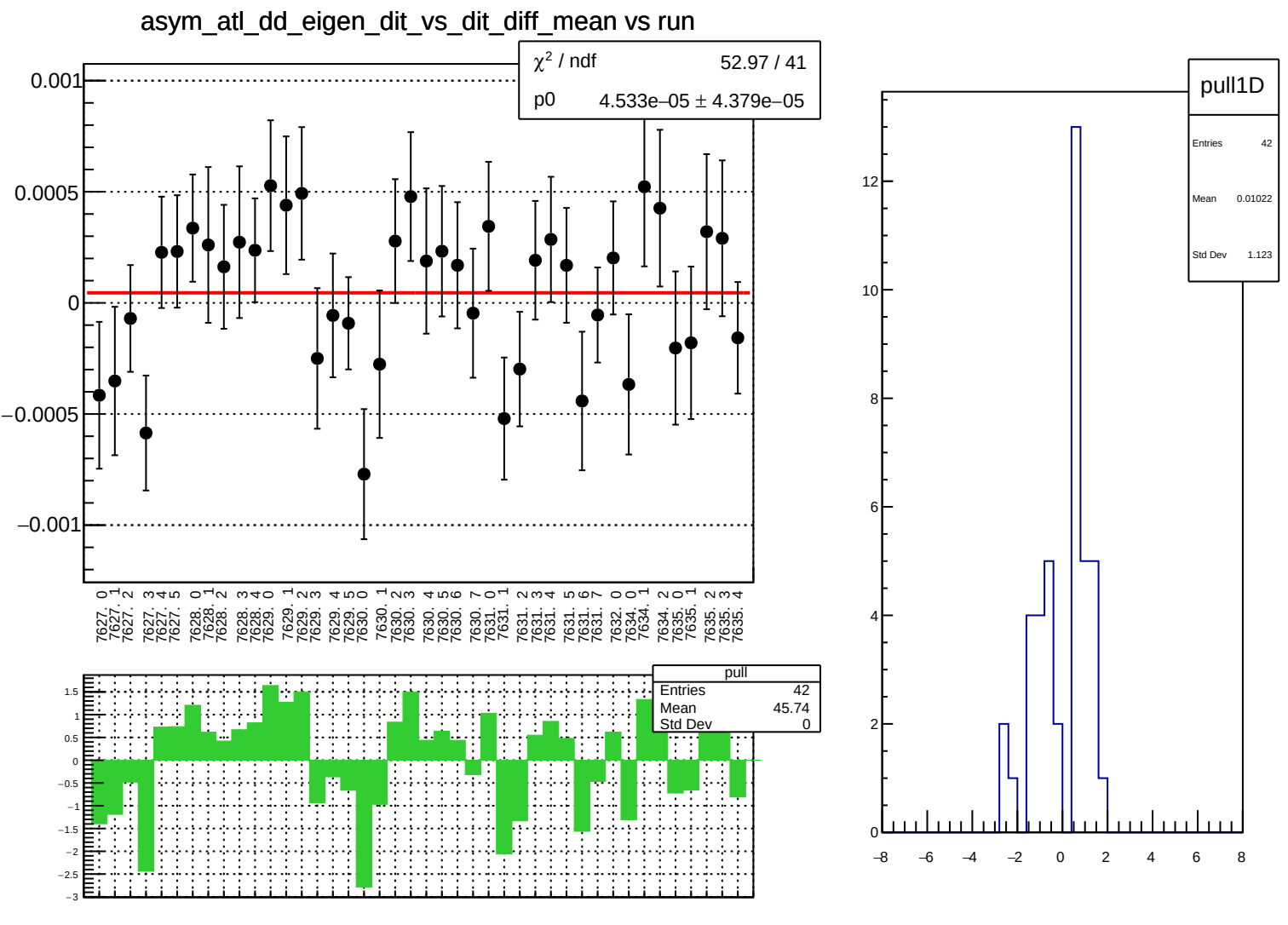

pull1D
Entries 42
Mean −0.08306
Std Dev 0.8873
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

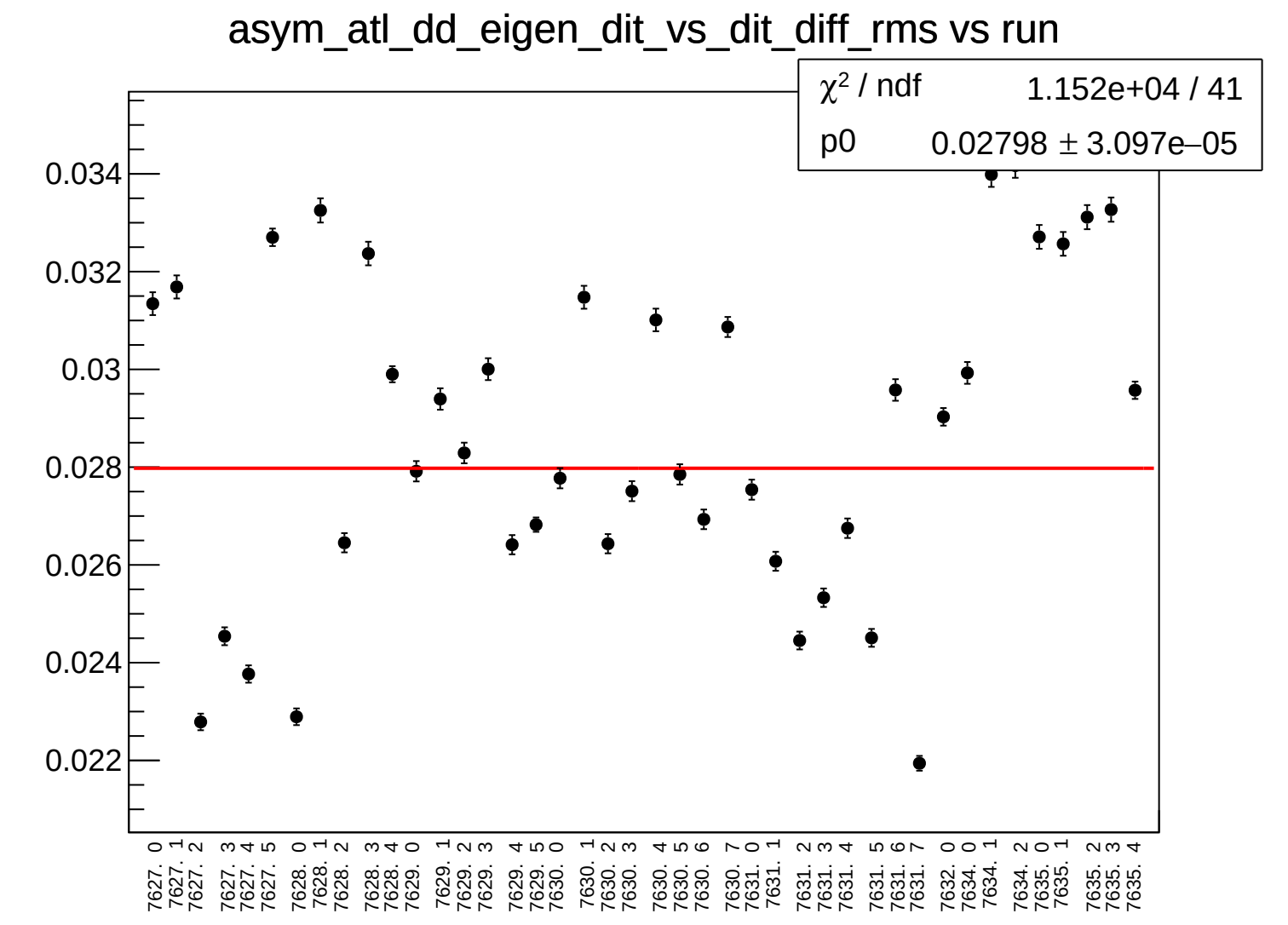

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.176e+04 / 41
p0 172.6 ± 0.1973
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

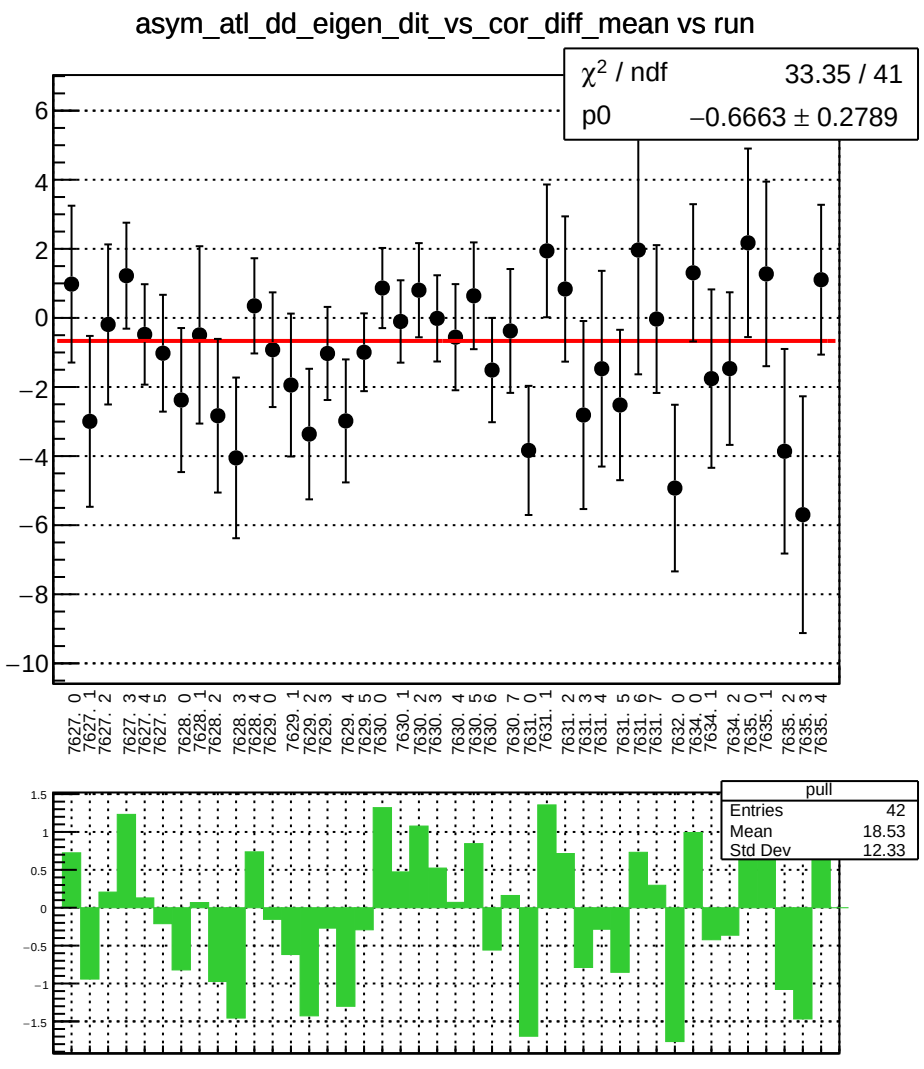

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.35 / 41
p0 −0.6664 ± 0.279
pull
Entries 42
Mean 18.53
Std Dev 12.33

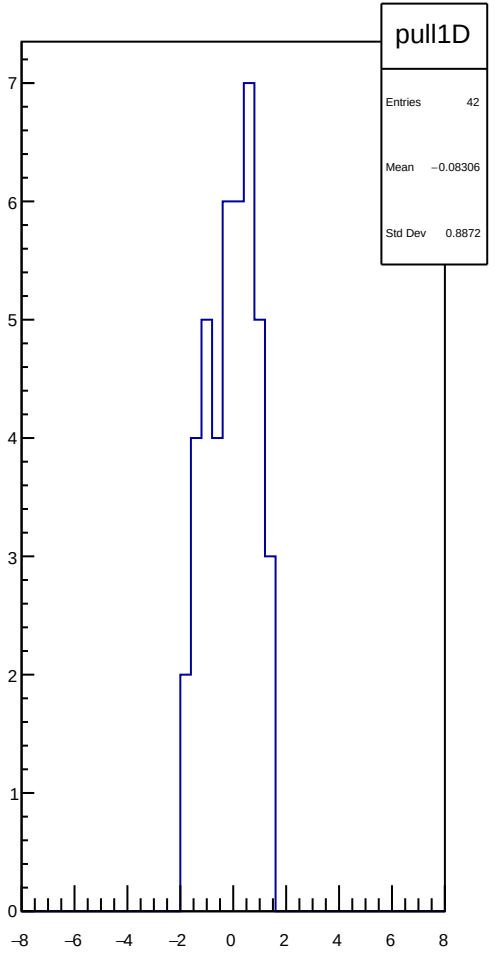

pull1D
Entries 42
Mean −0.08306
Std Dev 0.8873

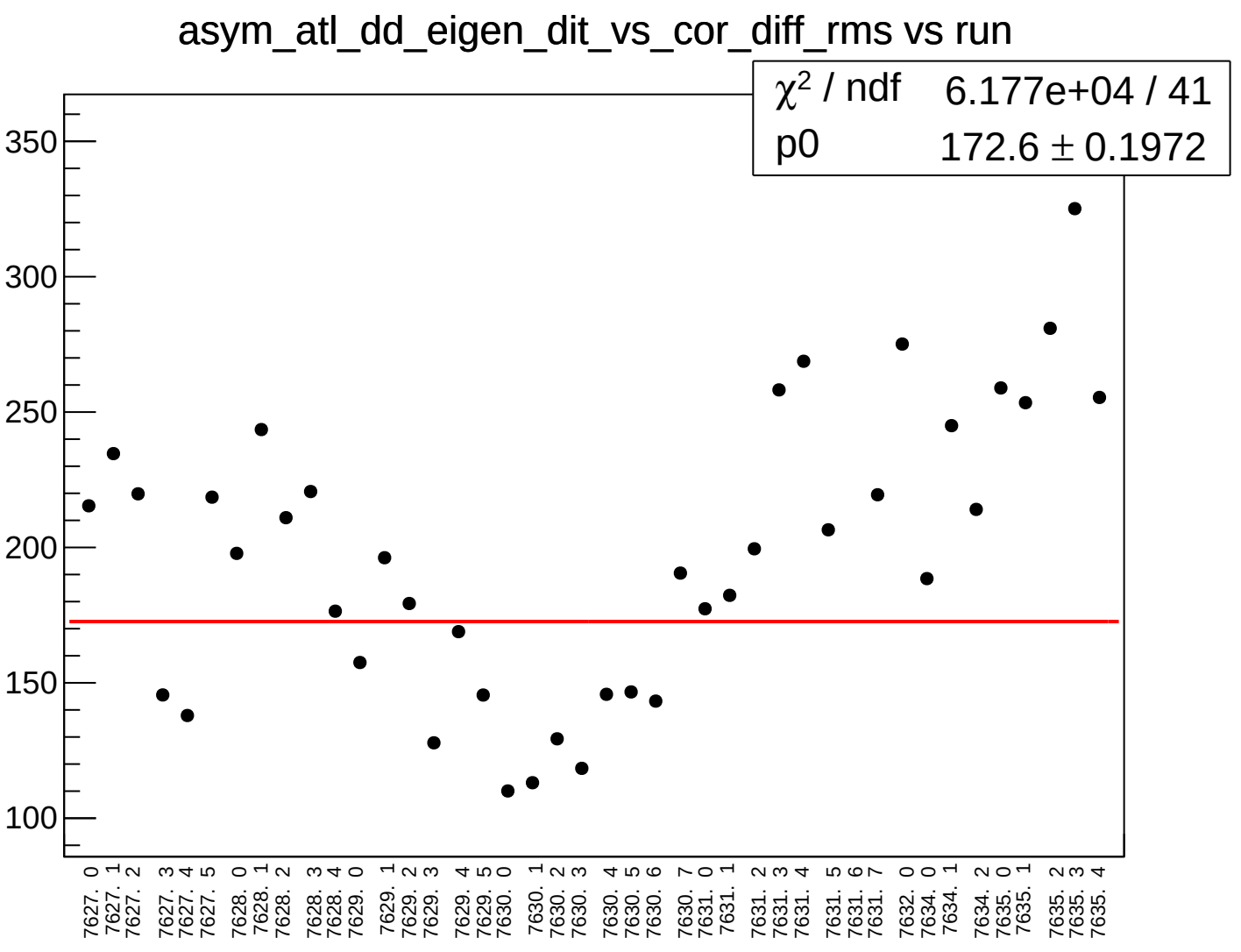

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.176e+04 / 41
p0 172.6 ± 0.1973
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

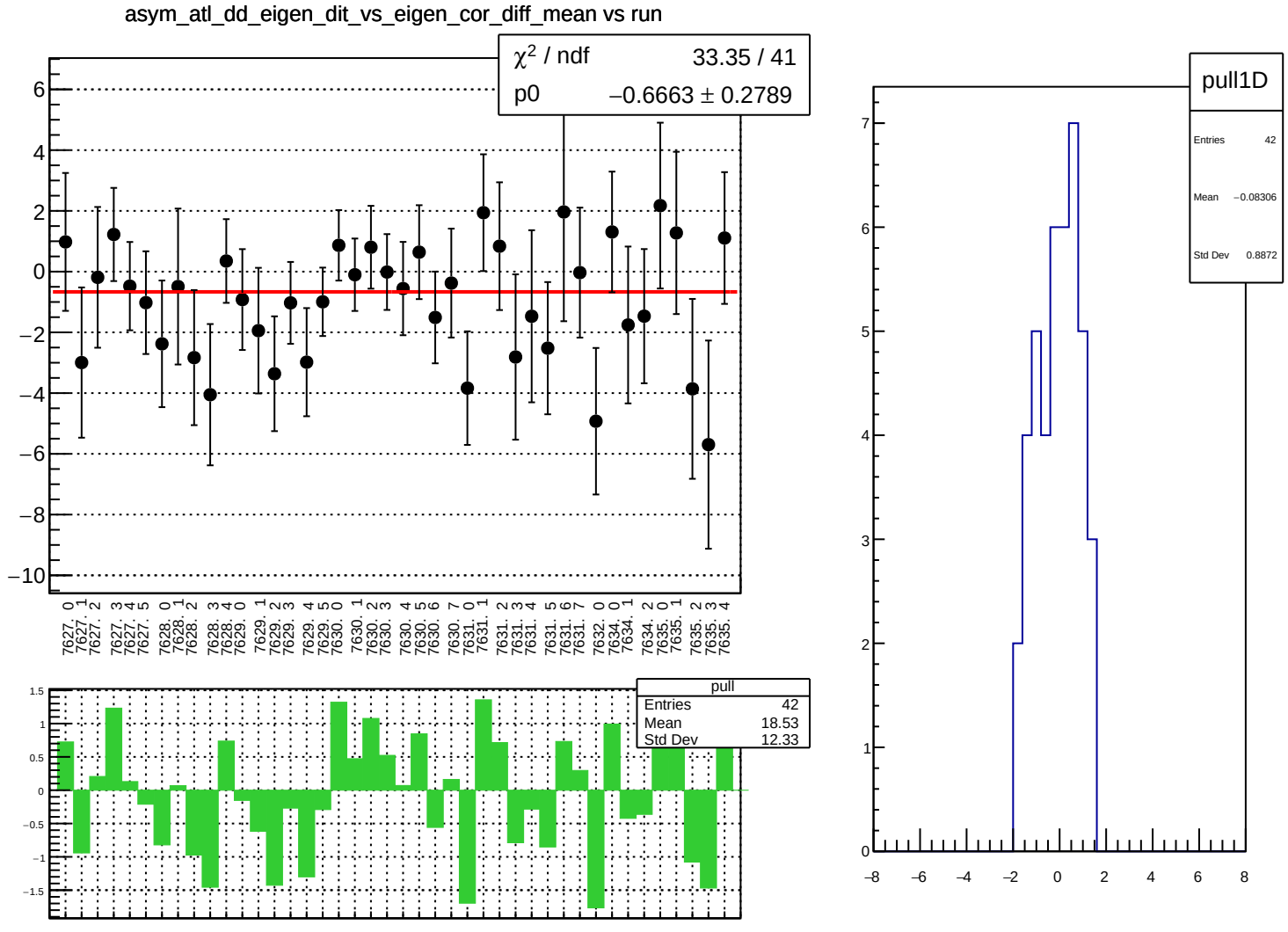

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 52.97 / 41
p0 4.533e−05 ± 4.379e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 45.74
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 42
Mean 0.01022
Std Dev 1.123
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

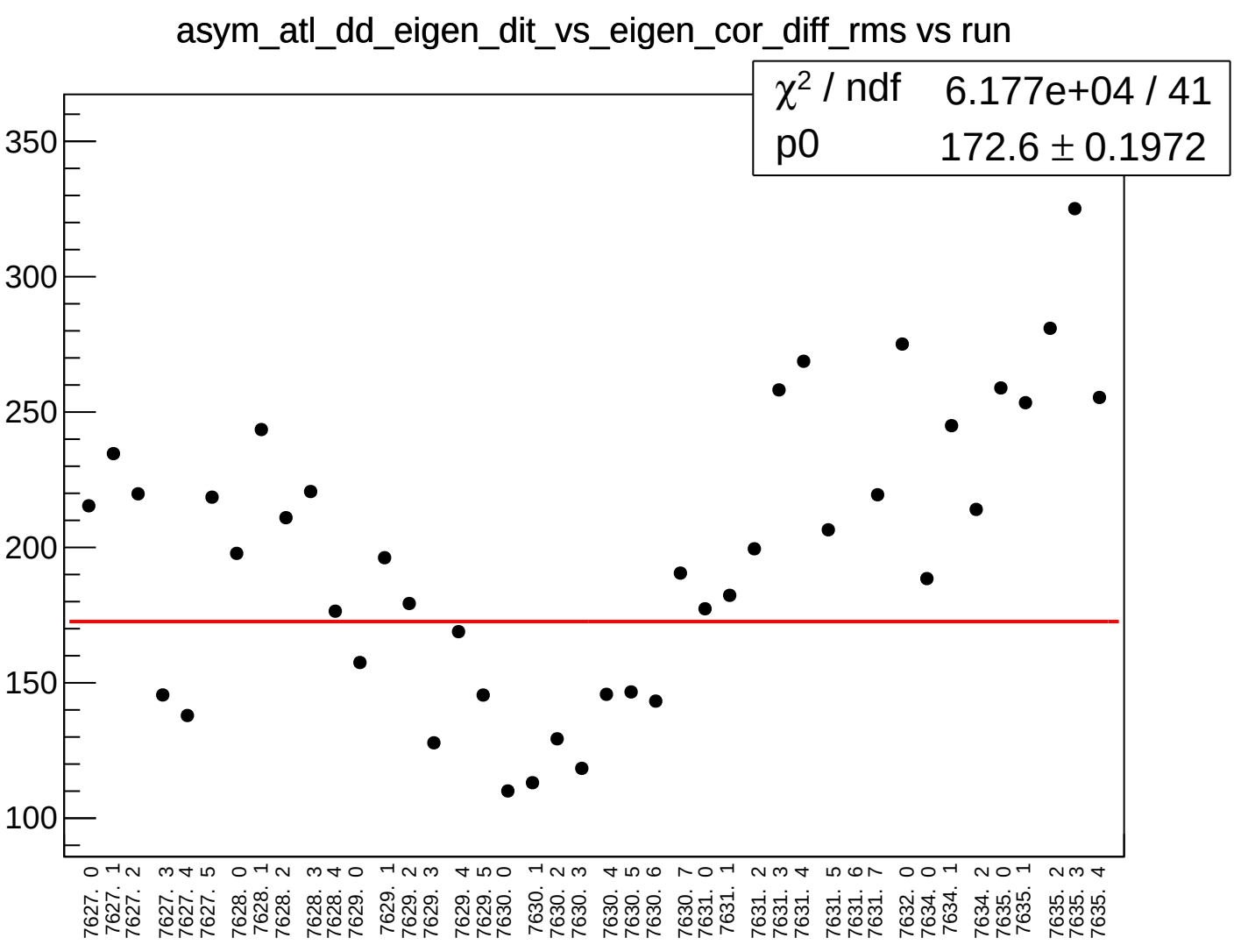

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.152e+04 / 41
p0 0.02798 ± 3.097e–05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

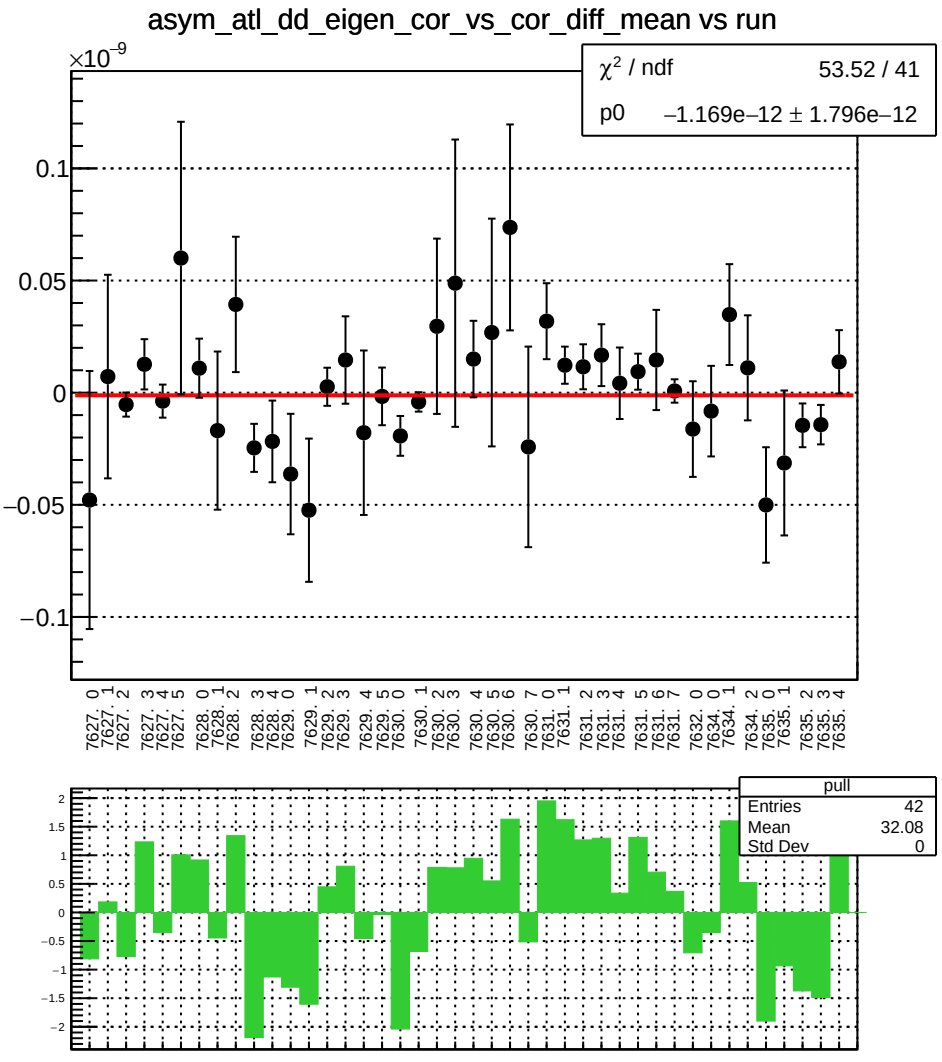

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.35 / 41
p0 −0.6663 ± 0.2789
pull
Entries 42
Mean 18.53
Std Dev 12.33

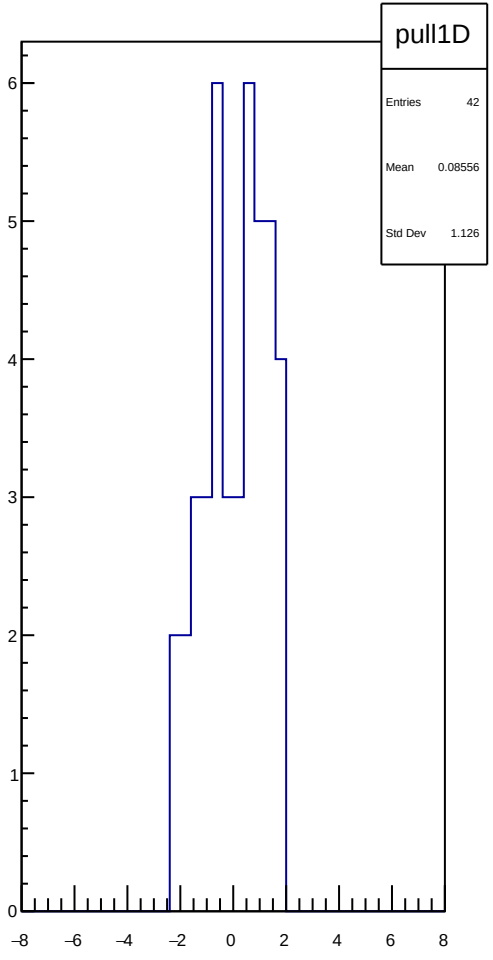

pull1D
Entries 42
Mean −0.08306
Std Dev 0.8872

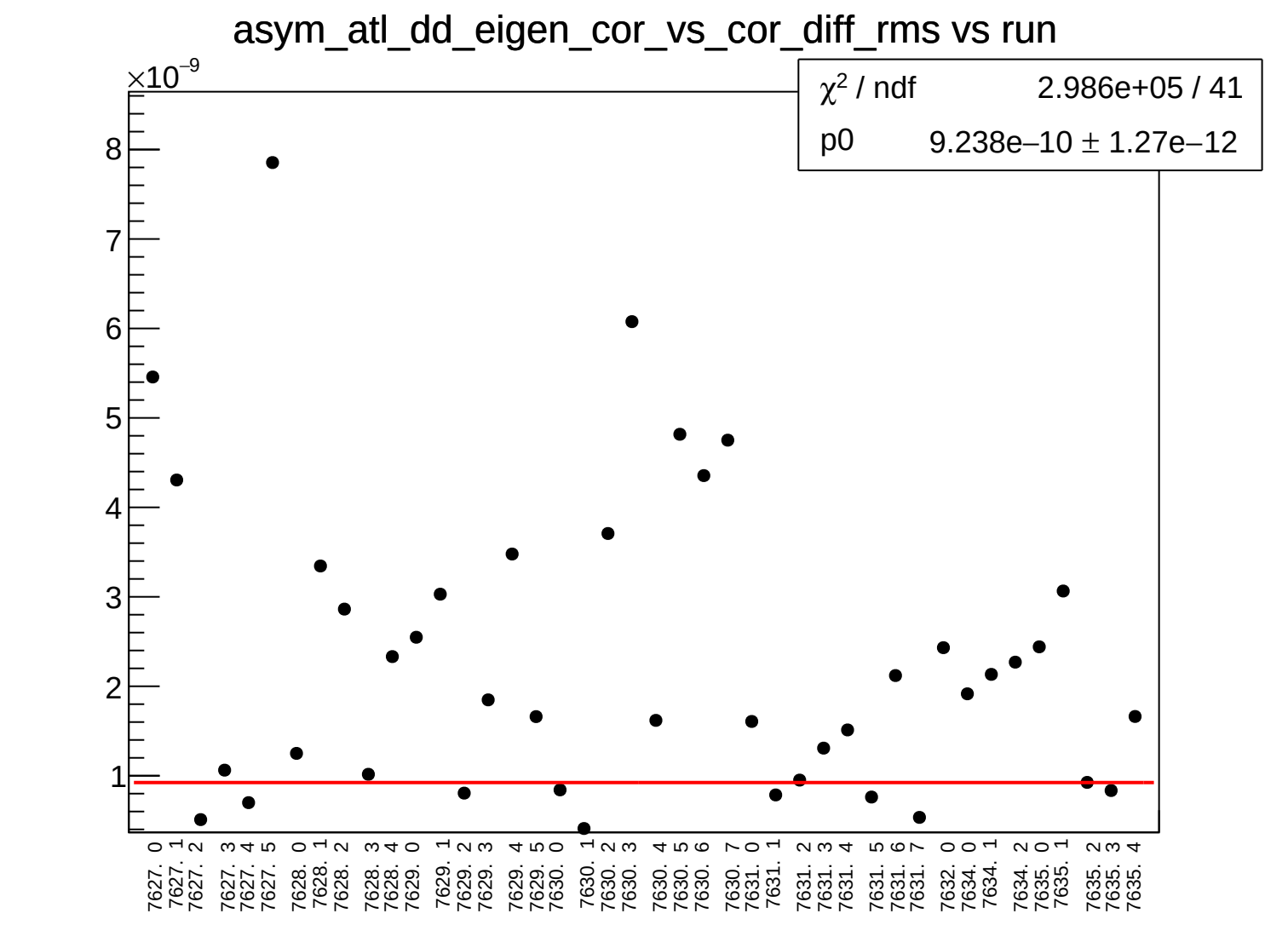

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.177e+04 / 41
p0 172.6 ± 0.1972
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

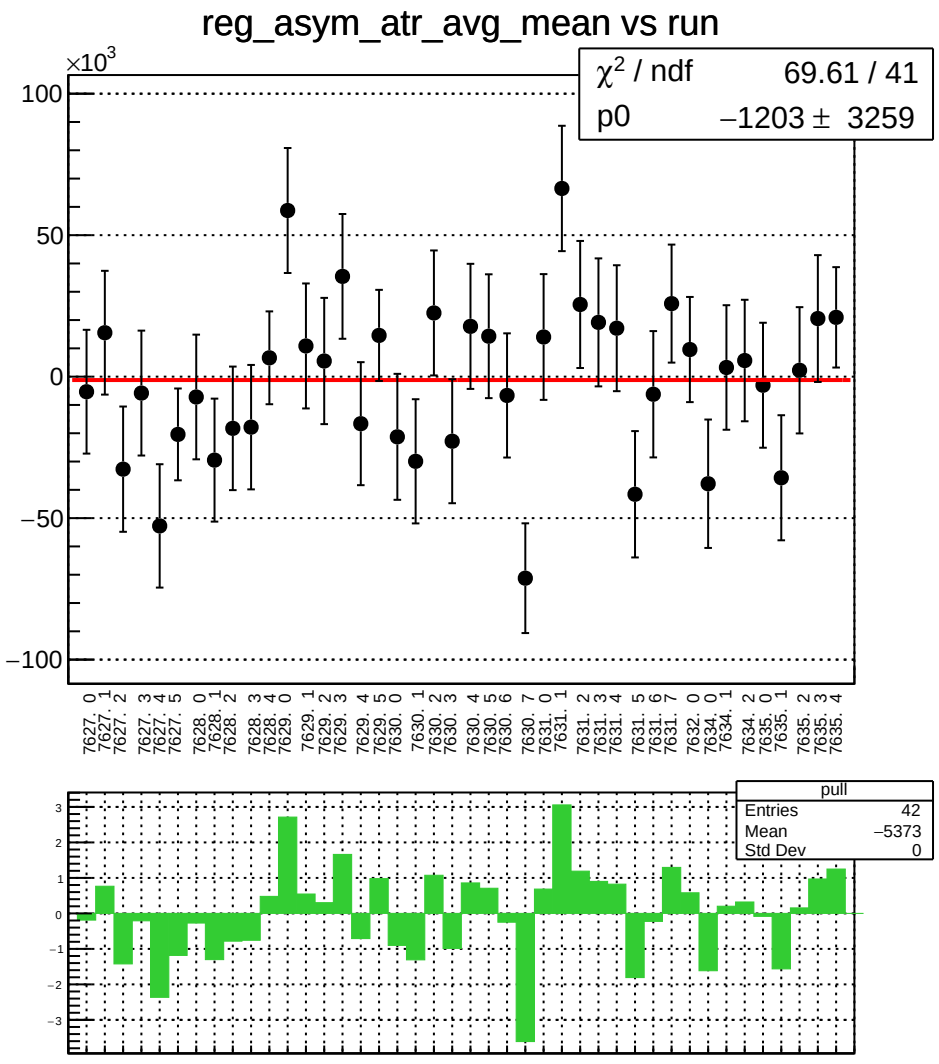

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.35 / 41
p0 −0.6663 ± 0.2789
pull
Entries 42
Mean 18.53
Std Dev 12.33
pull1D
Entries 42
Mean −0.08306
Std Dev 0.8872

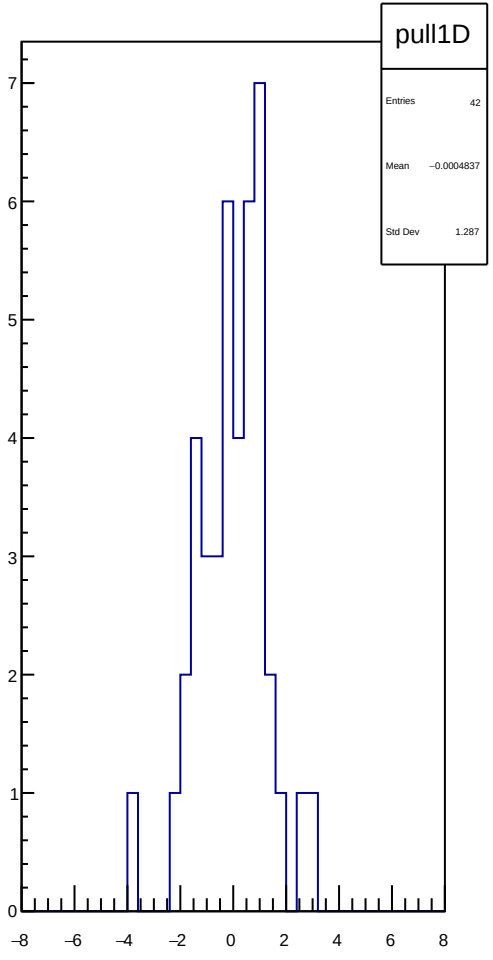

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.177e+04 / 41
p0 172.6 ± 0.1972
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

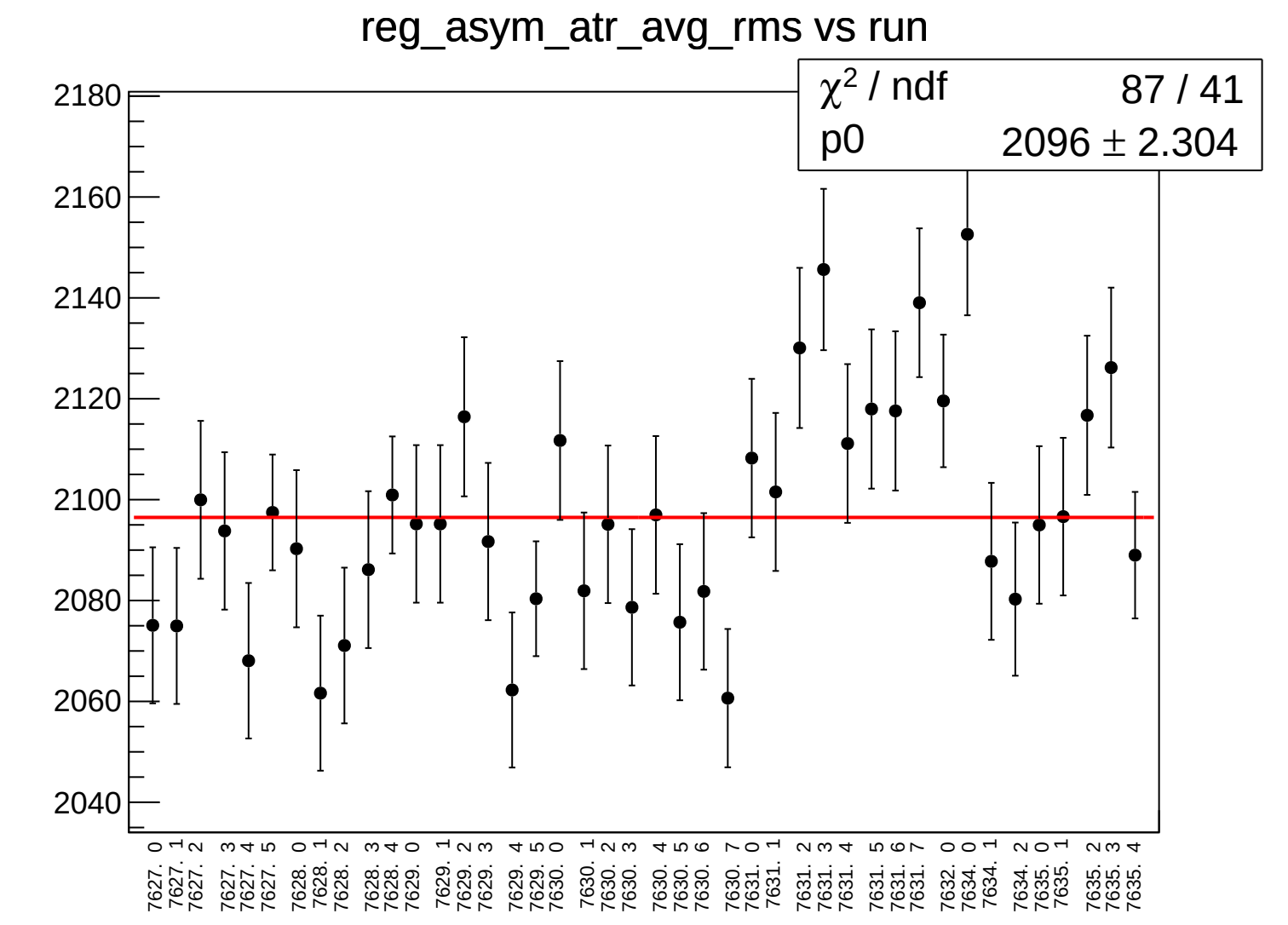

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 53.52 / 41
p0 −1.169e−12 ± 1.796e−12
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 32.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

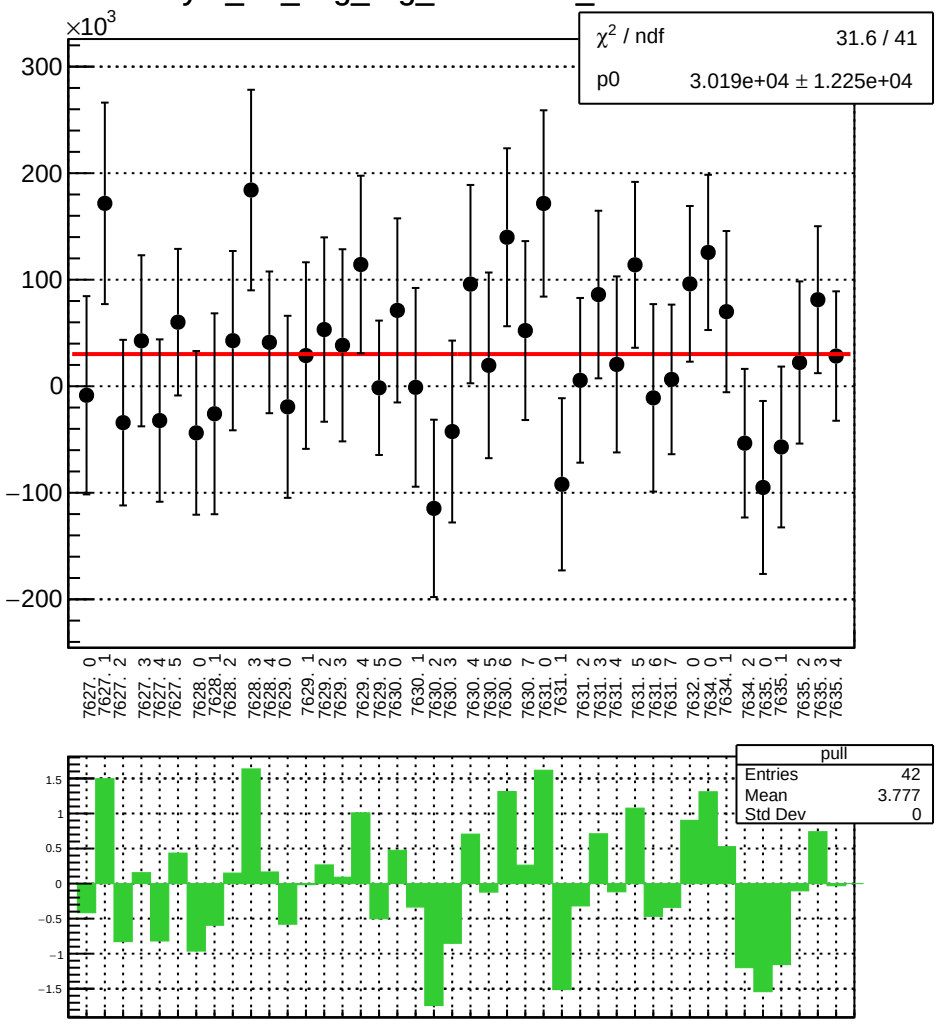

pull1D
Entries 42
Mean 0.08556
Std Dev 1.126
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

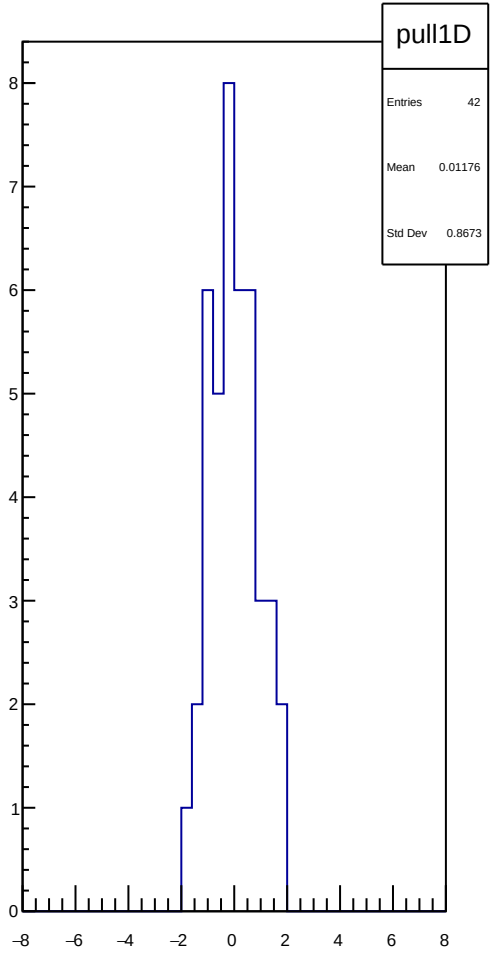

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.986e+05 / 41
p0 9.238e−10 ± 1.27e−12
8
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

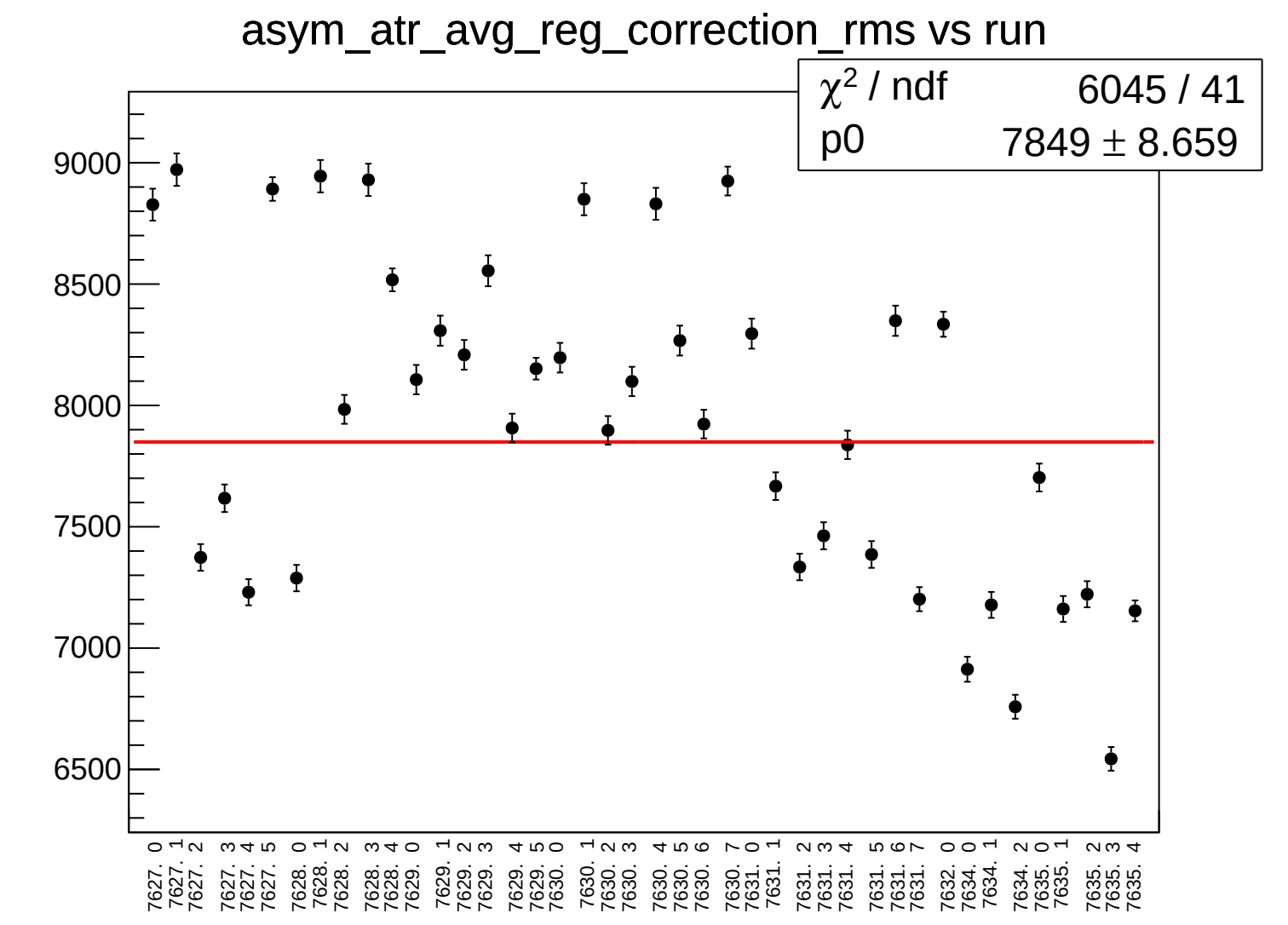

reg_asym_atr_avg_mean vs run
×10^3
χ² / ndf 69.61 / 41
p0 −1203 ± 3259
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5373
Std Dev 0
3
2
1
0
−1
−2
−3

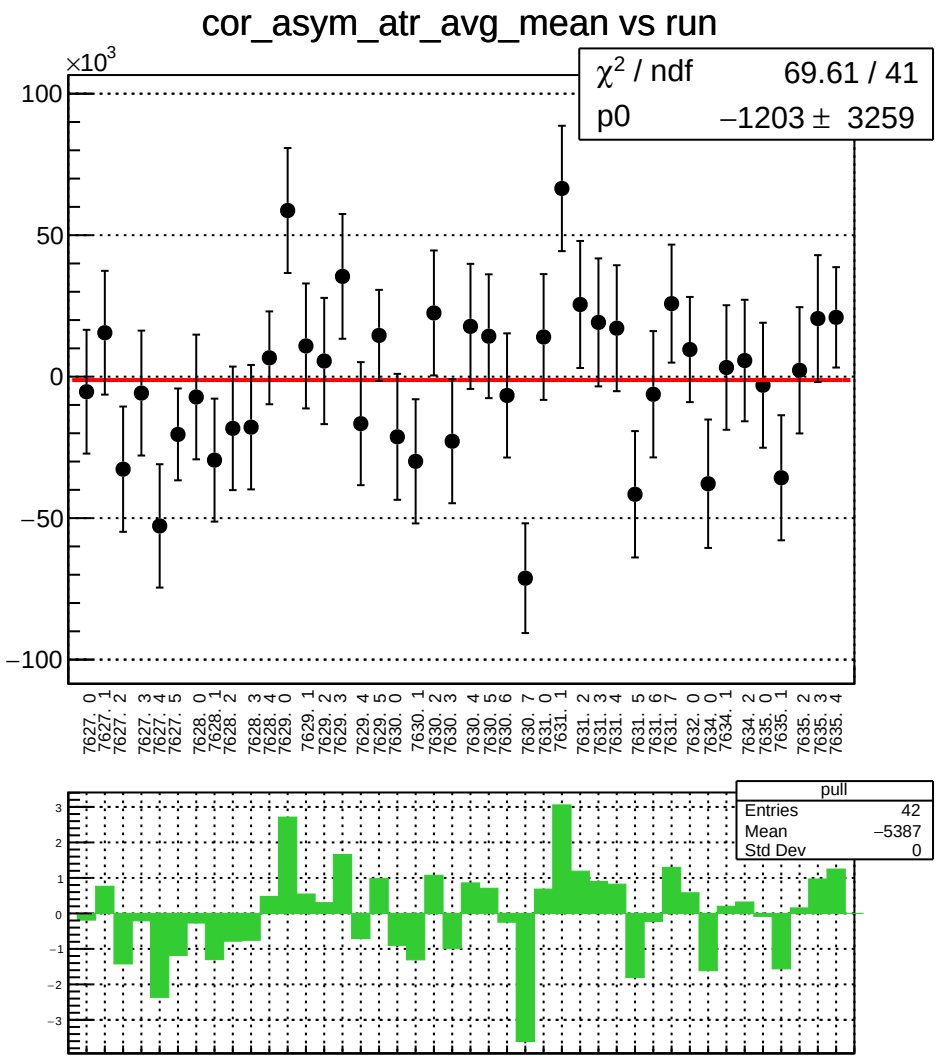

pull1D
Entries 42
Mean −0.0004837
Std Dev 1.287
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

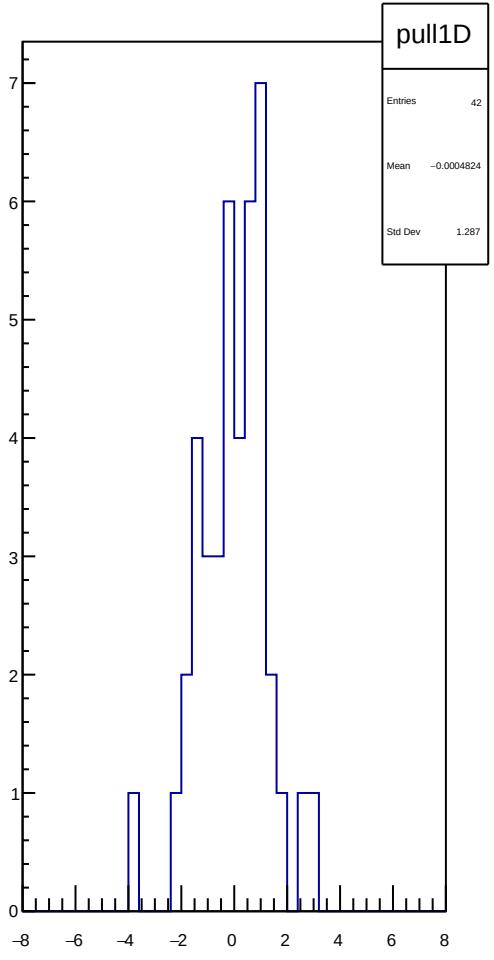

reg_asym_atr_avg_rms vs run
χ² / ndf 87 / 41
p0 2096 ± 2.304
2180
2160
2140
2120
2100
2080
2060
2040
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

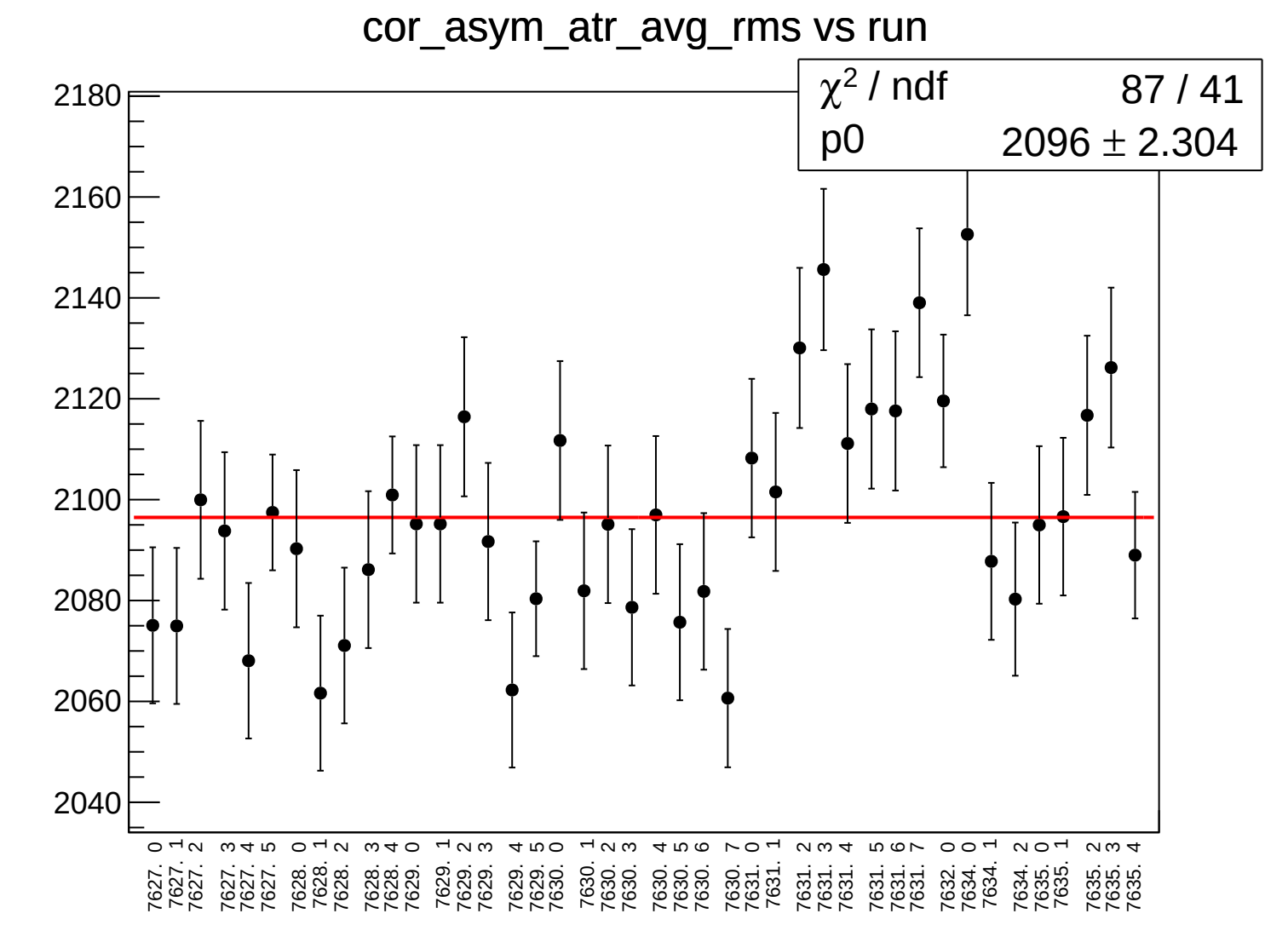

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 31.6 / 41
p0 3.019e+04 ± 1.225e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.777
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.01176
Std Dev 0.8673
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 6045 / 41
p0 7849 ± 8.659
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_atr_avg_mean vs run
×10^3
χ² / ndf 69.61 / 41
p0 −1203 ± 3259
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5387
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.0004824
Std Dev 1.287
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr_avg_rms vs run
χ² / ndf 87 / 41
p0 2096 ± 2.304
2180
2160
2140
2120
2100
2080
2060
2040
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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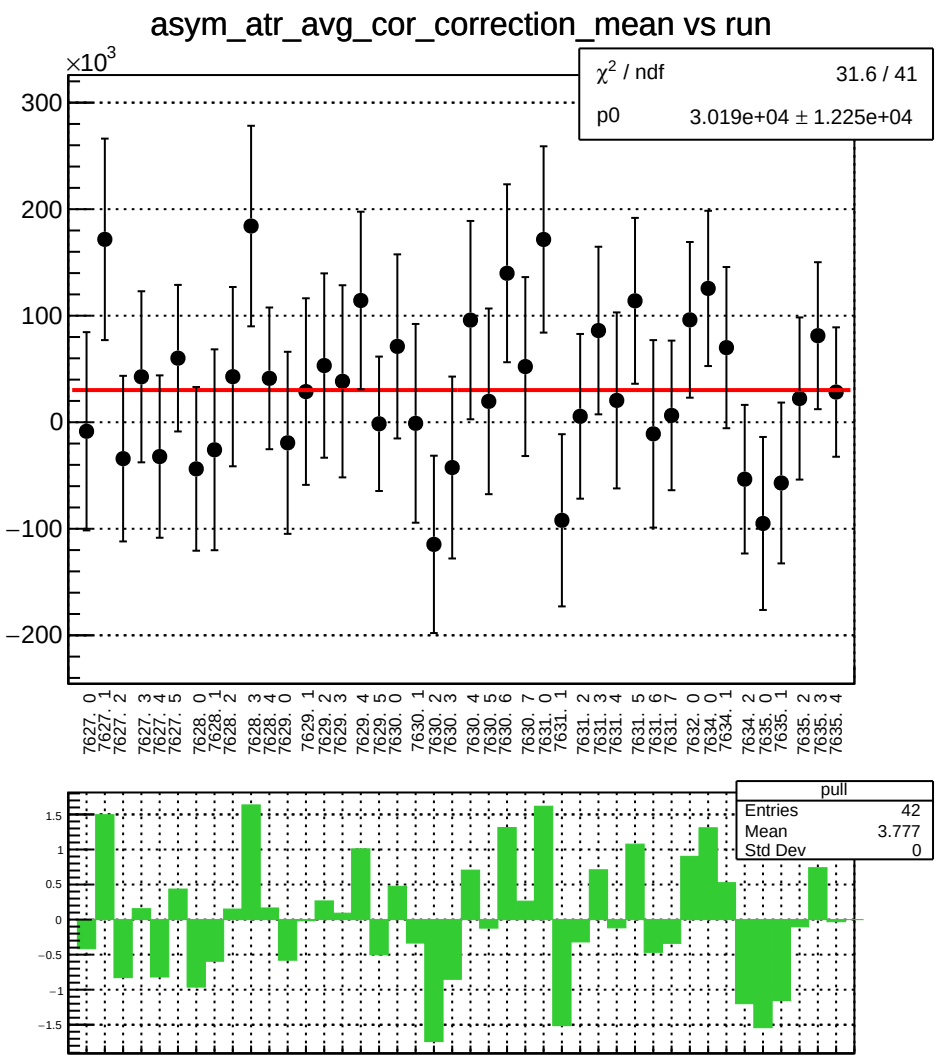
7635. 3
7635. 4


asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 31.6 / 41
p0 3.019e+04 ± 1.225e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
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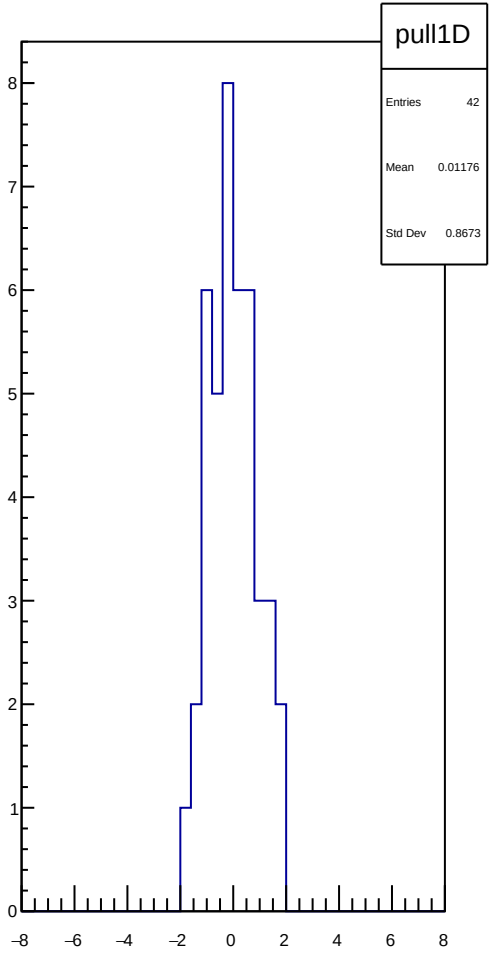
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.777
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.01176
Std Dev 0.8673
8
7
6
5
4
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2
1
0
−8
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−4
−2
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2
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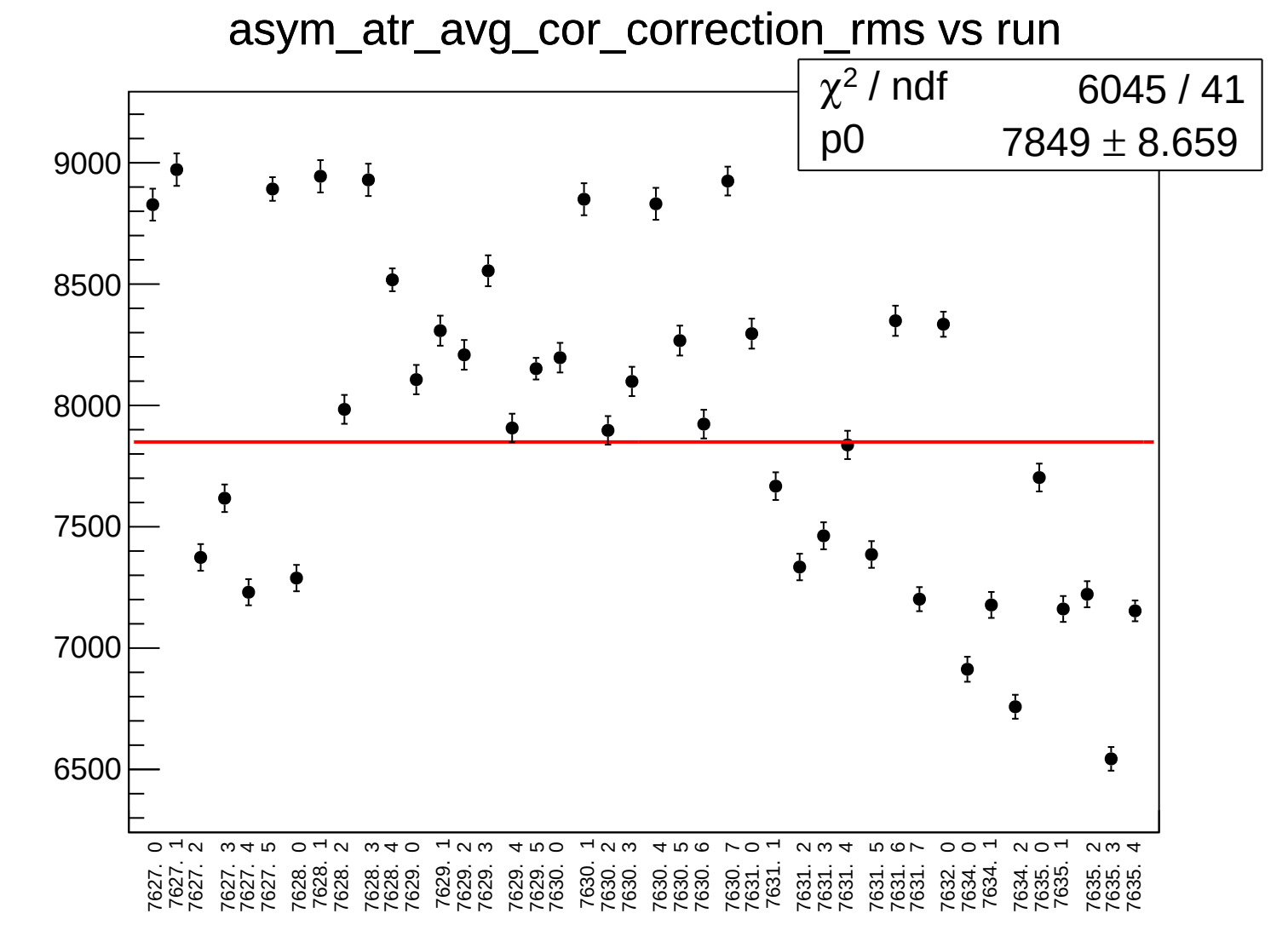
8


asym_atr_avg_cor_correction_rms vs run
χ² / ndf 6045 / 41
p0 7849 ± 8.659
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 7
7631. 0
7631. 1
7631. 2
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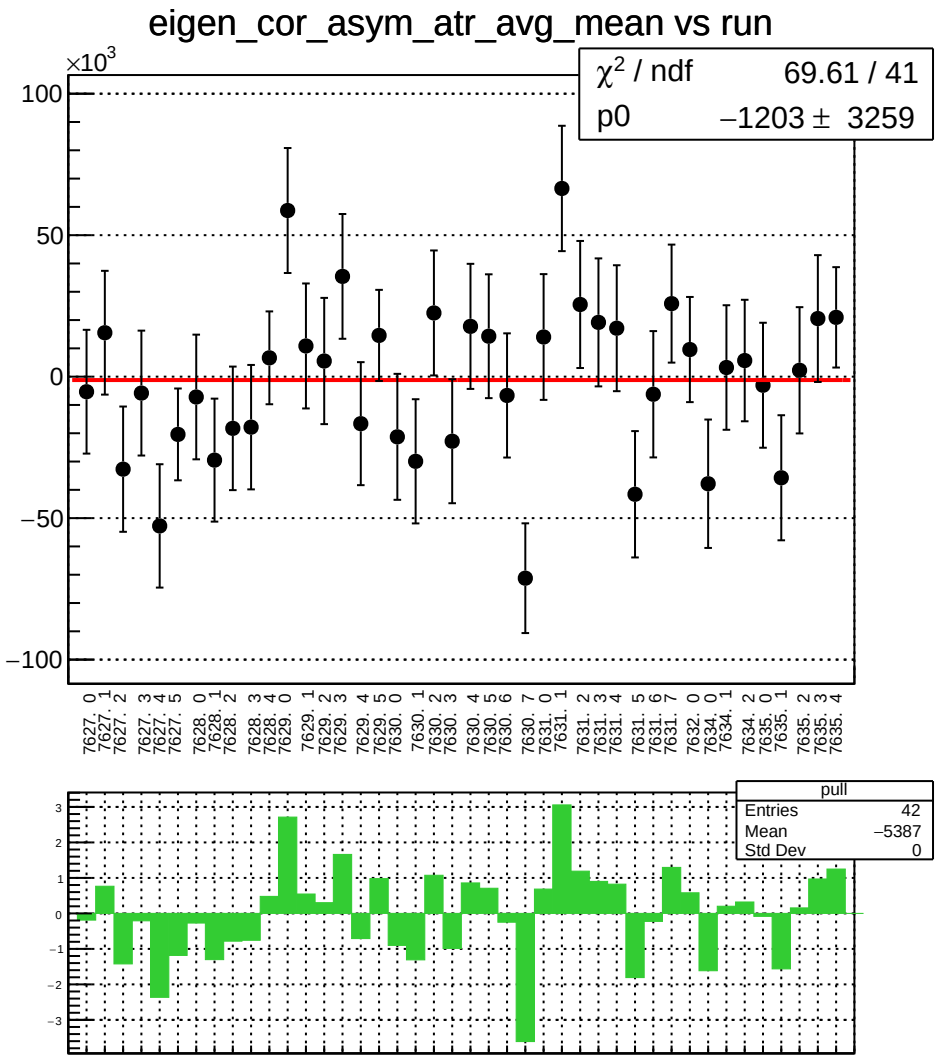
7635. 3
7635. 4


eigen_cor_asym_atr_avg_mean vs run
×10^3
χ² / ndf 69.61 / 41
p0 −1203 ± 3259
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
7629. 4
7629. 5
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7631. 0
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7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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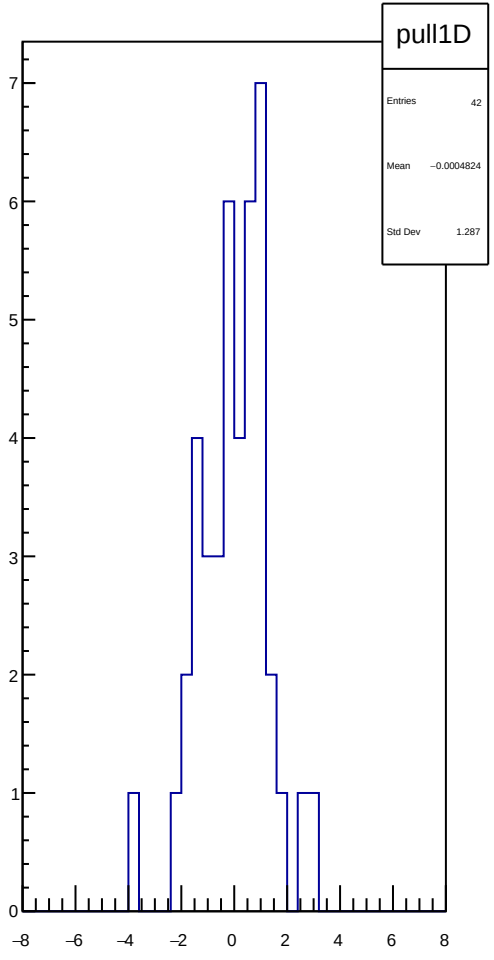
7635. 4
pull
Entries 42
Mean −5387
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.0004824
Std Dev 1.287
7
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−8
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−4
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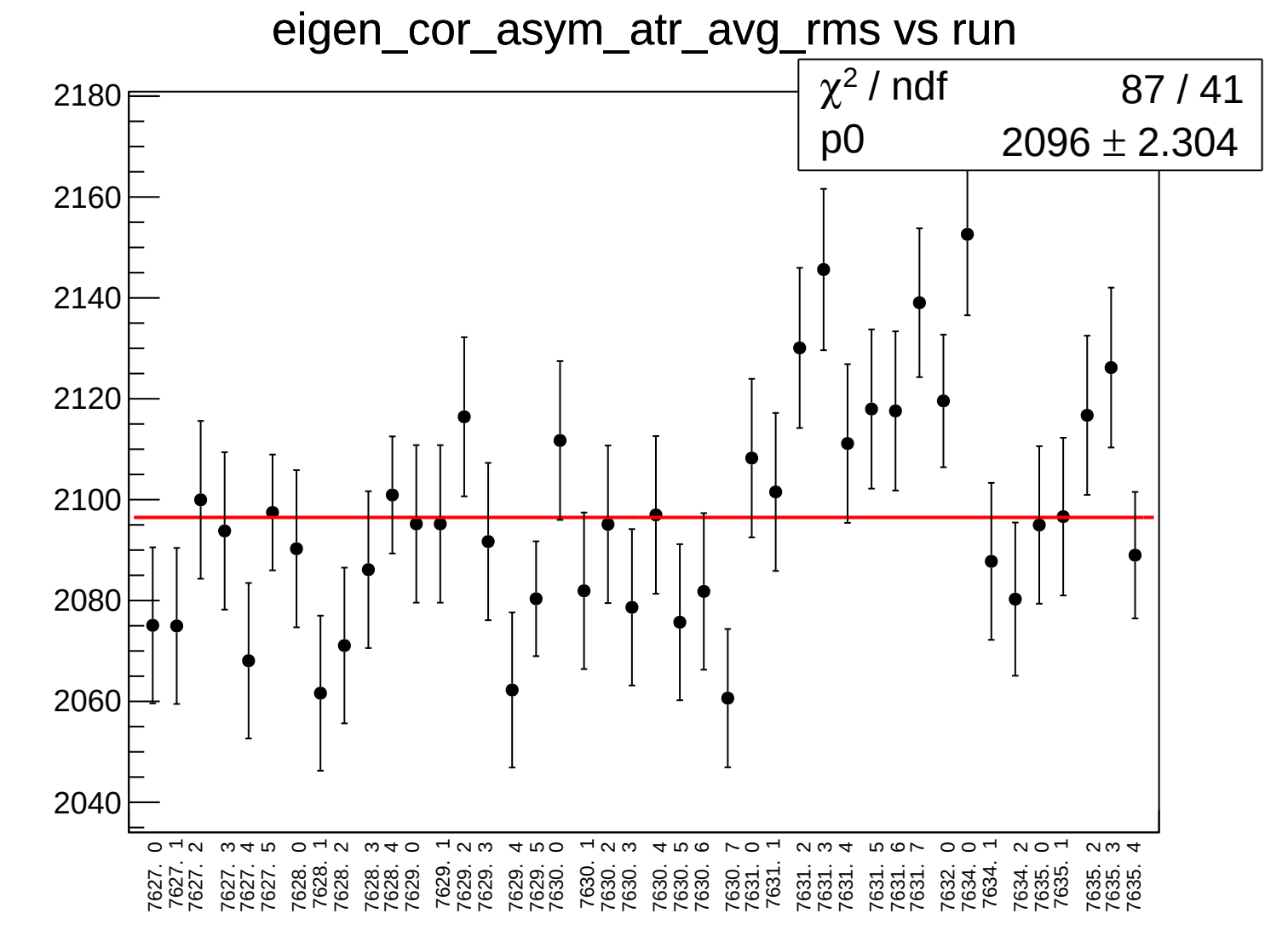
6
8


eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 87 / 41
p0 2096 ± 2.304
2180
2160
2140
2120
2100
2080
2060
2040
7627. 0
7627. 1
7627. 2
7627. 3
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7627. 5
7628. 0
7628. 1
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7628. 3
7628. 4
7629. 0
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7629. 5
7630. 0
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7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
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7635. 0
7635. 1
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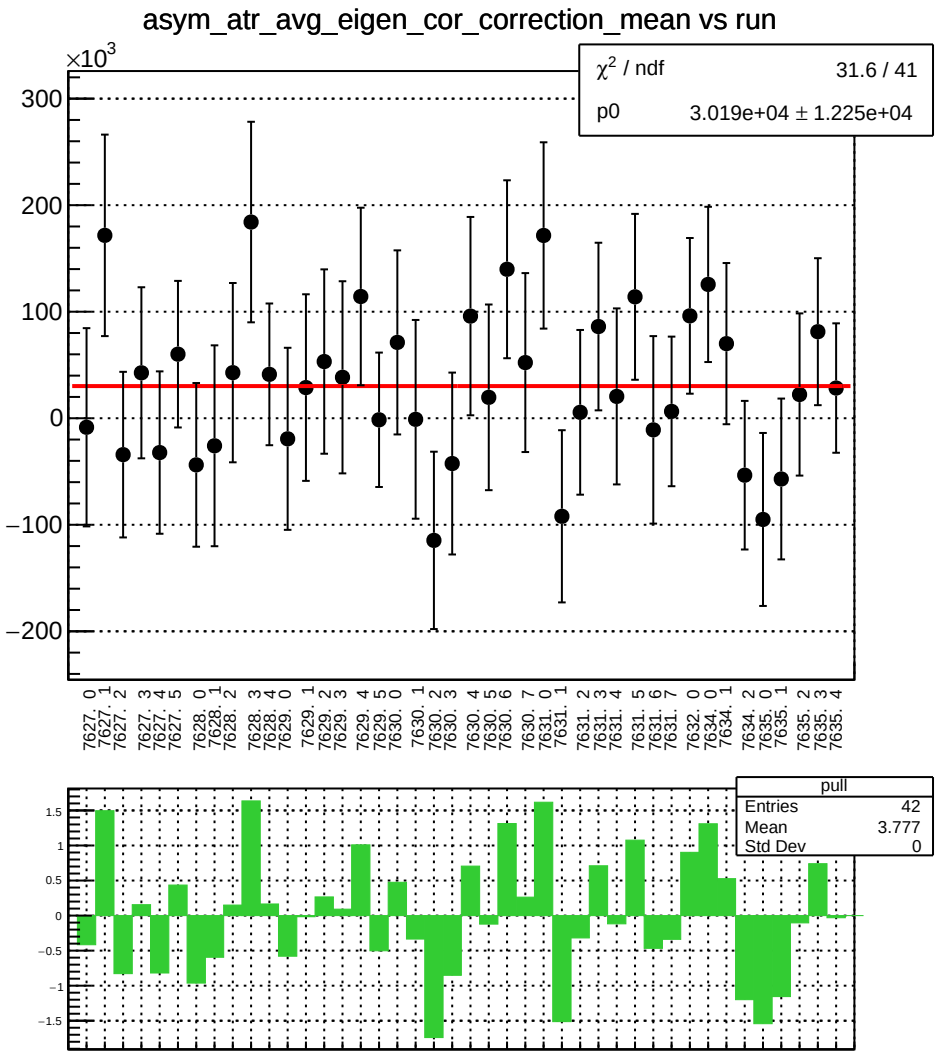
asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.6 / 41
p0 3.019e+04 ± 1.225e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
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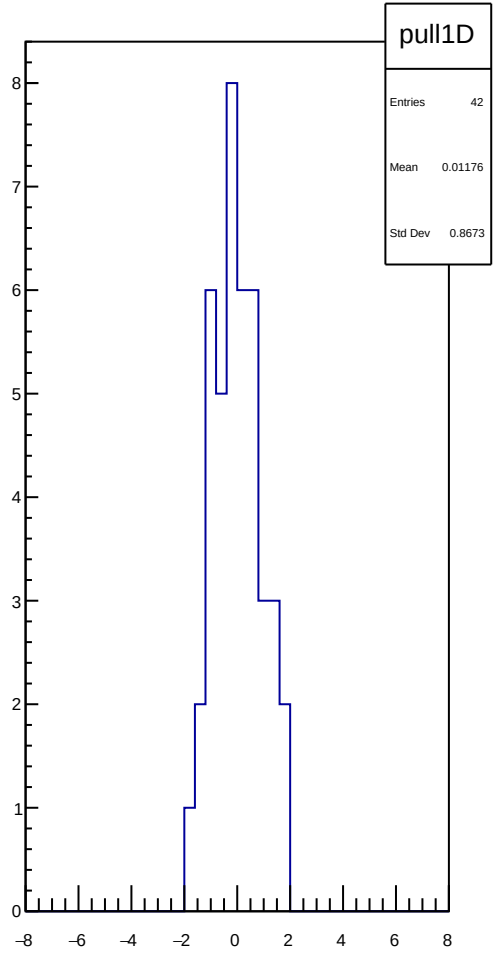
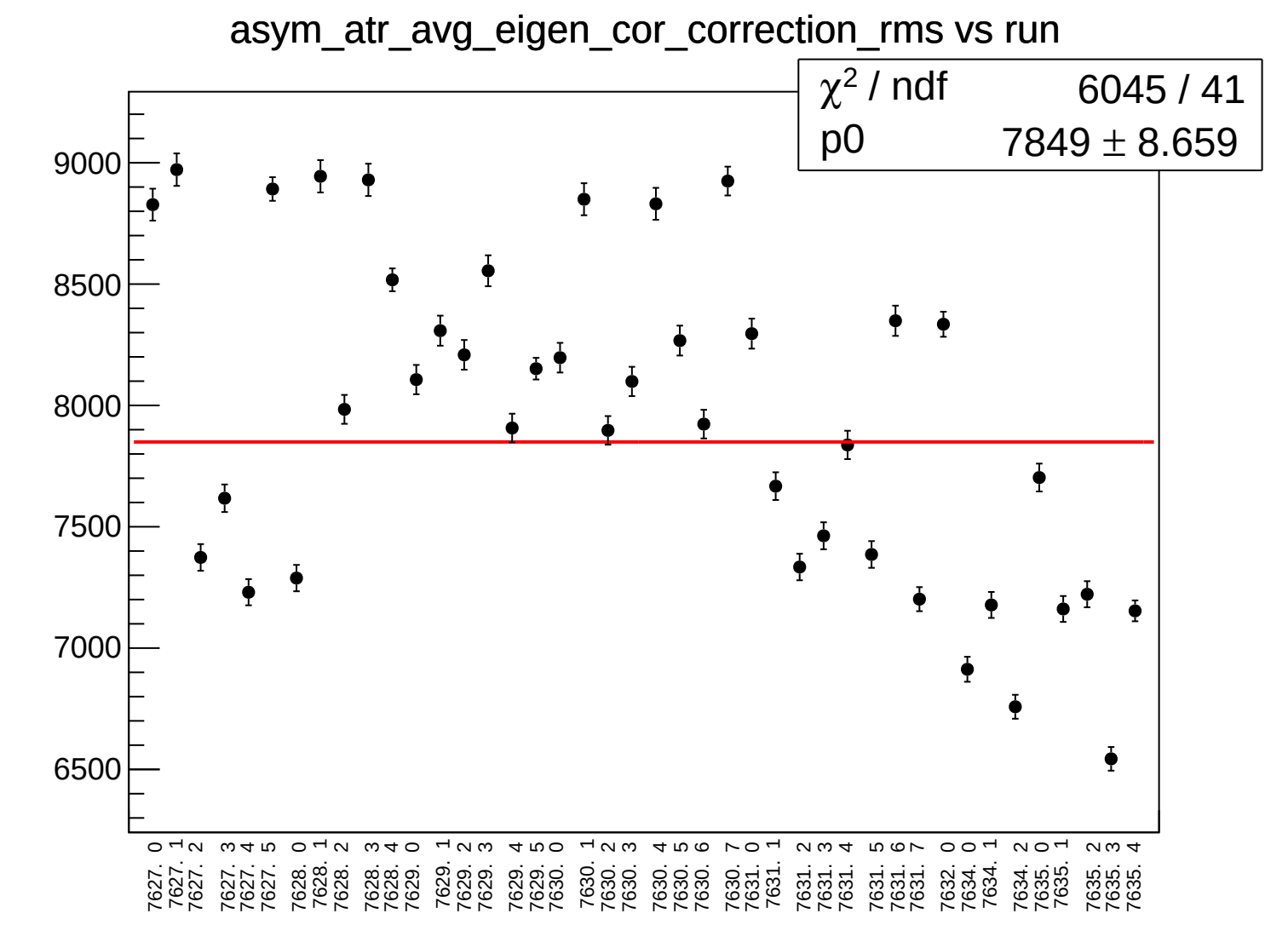
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.777
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.01176
Std Dev 0.8673
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 6045 / 41
p0 7849 ± 8.659
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 7
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7631. 2
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7631. 6
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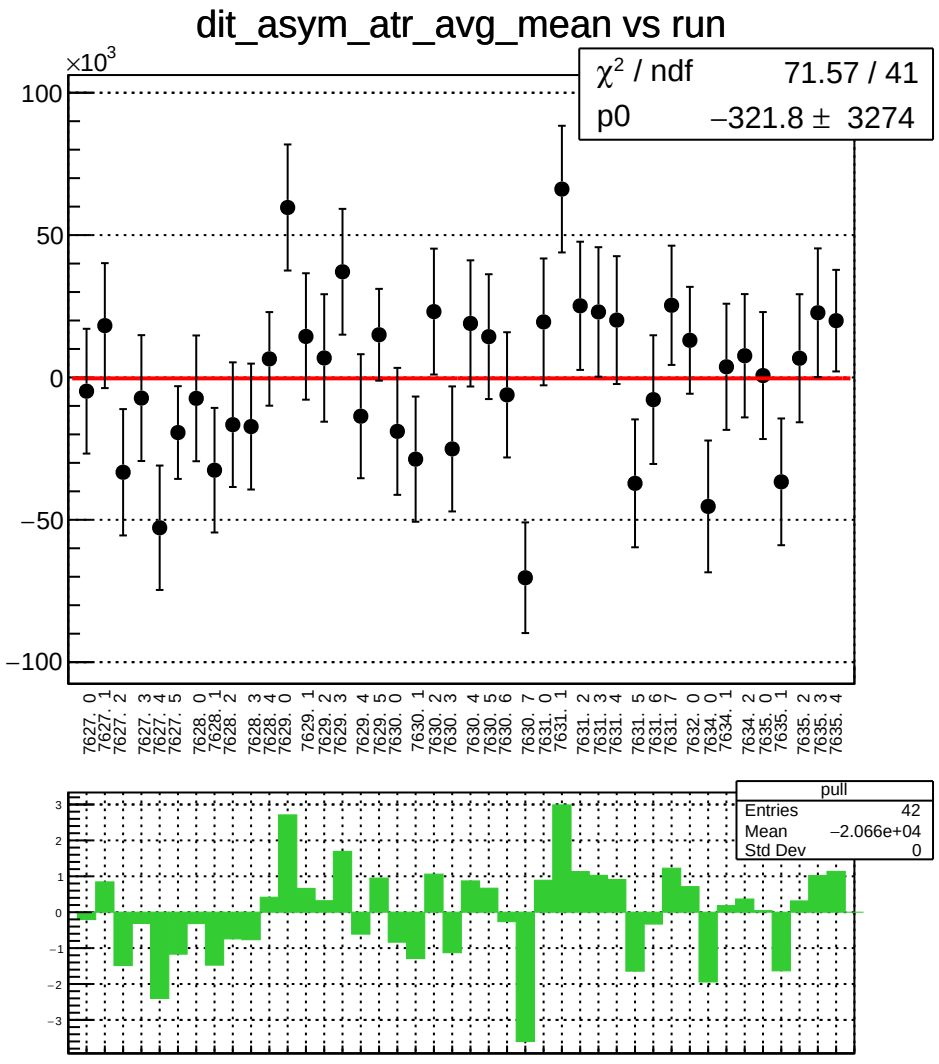
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 71.57 / 41
p0 −321.8 ± 3274
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
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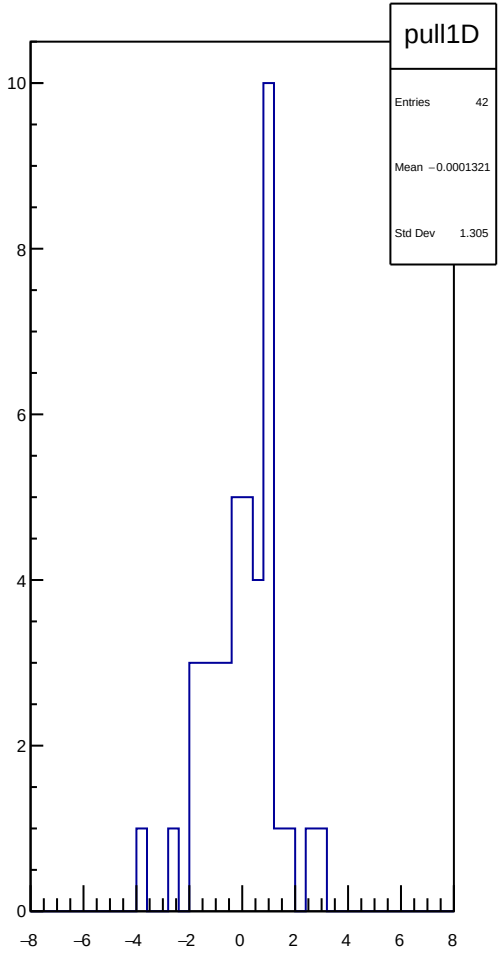
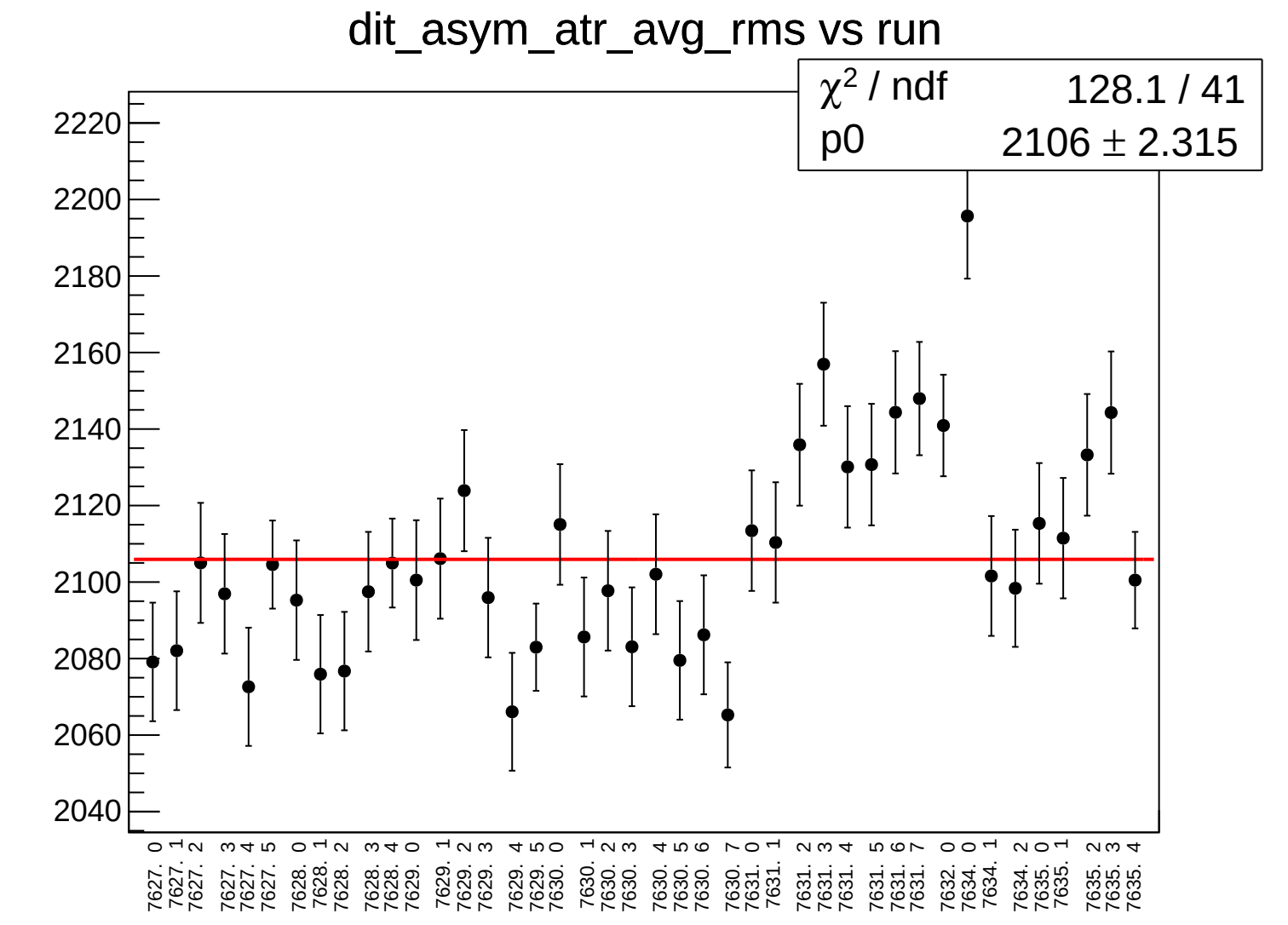
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.066e+04
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.0001321
Std Dev 1.305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr_avg_rms vs run
χ² / ndf 128.1 / 41
p0 2106 ± 2.315
2220
2200
2180
2160
2140
2120
2100
2080
2060
2040
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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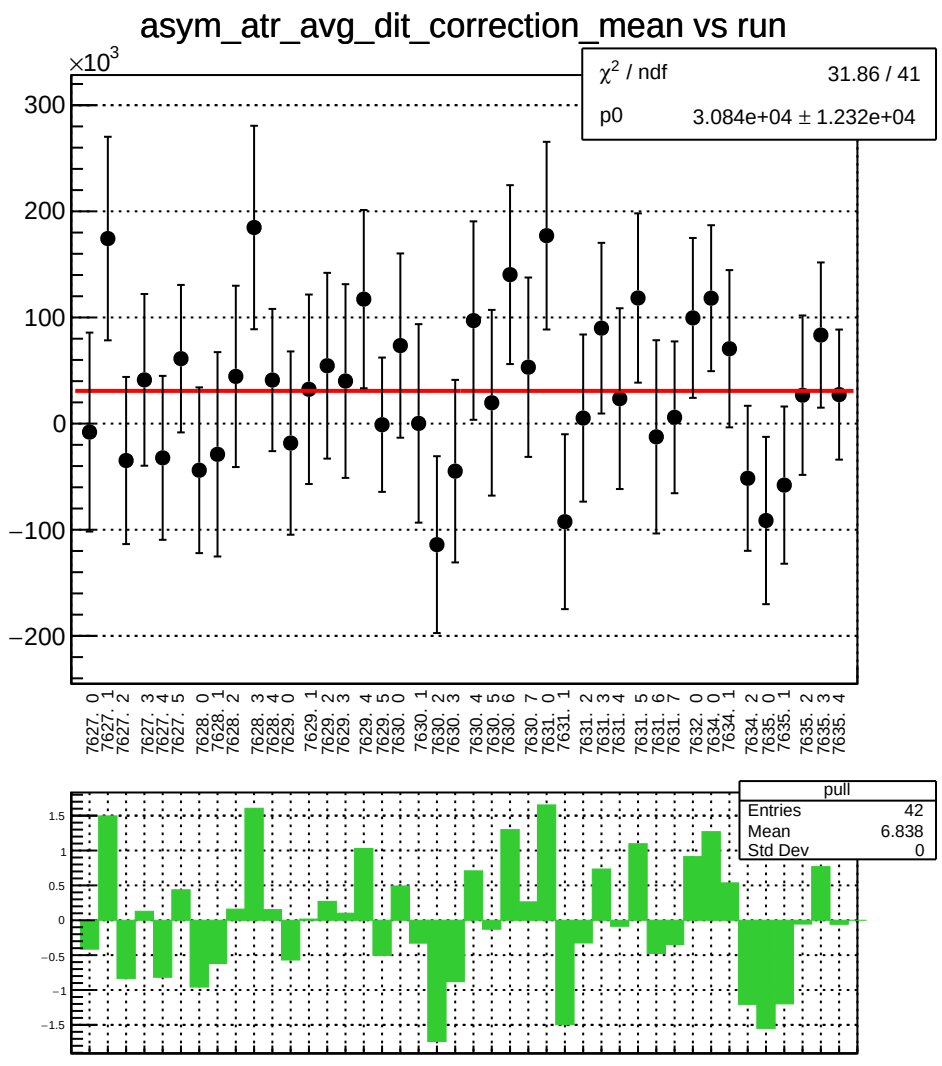
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 31.86 / 41
p0 3.084e+04 ± 1.232e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
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7630. 7
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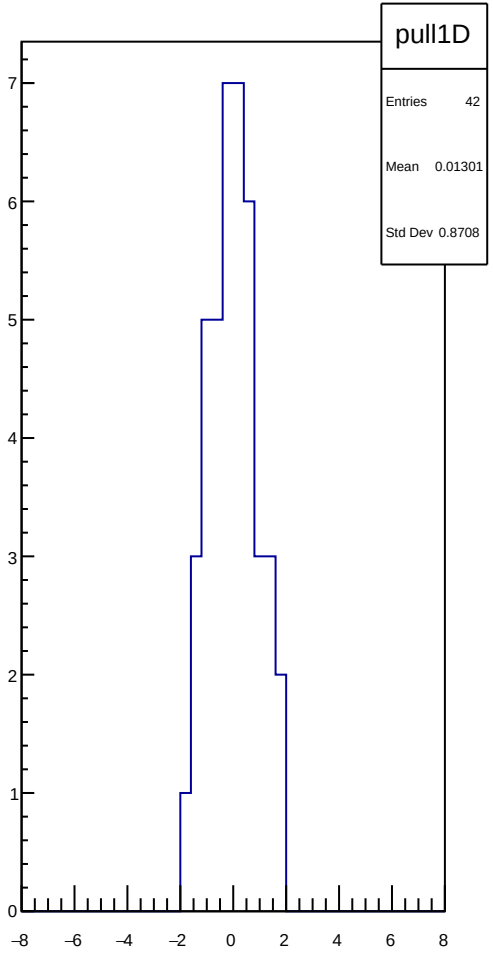
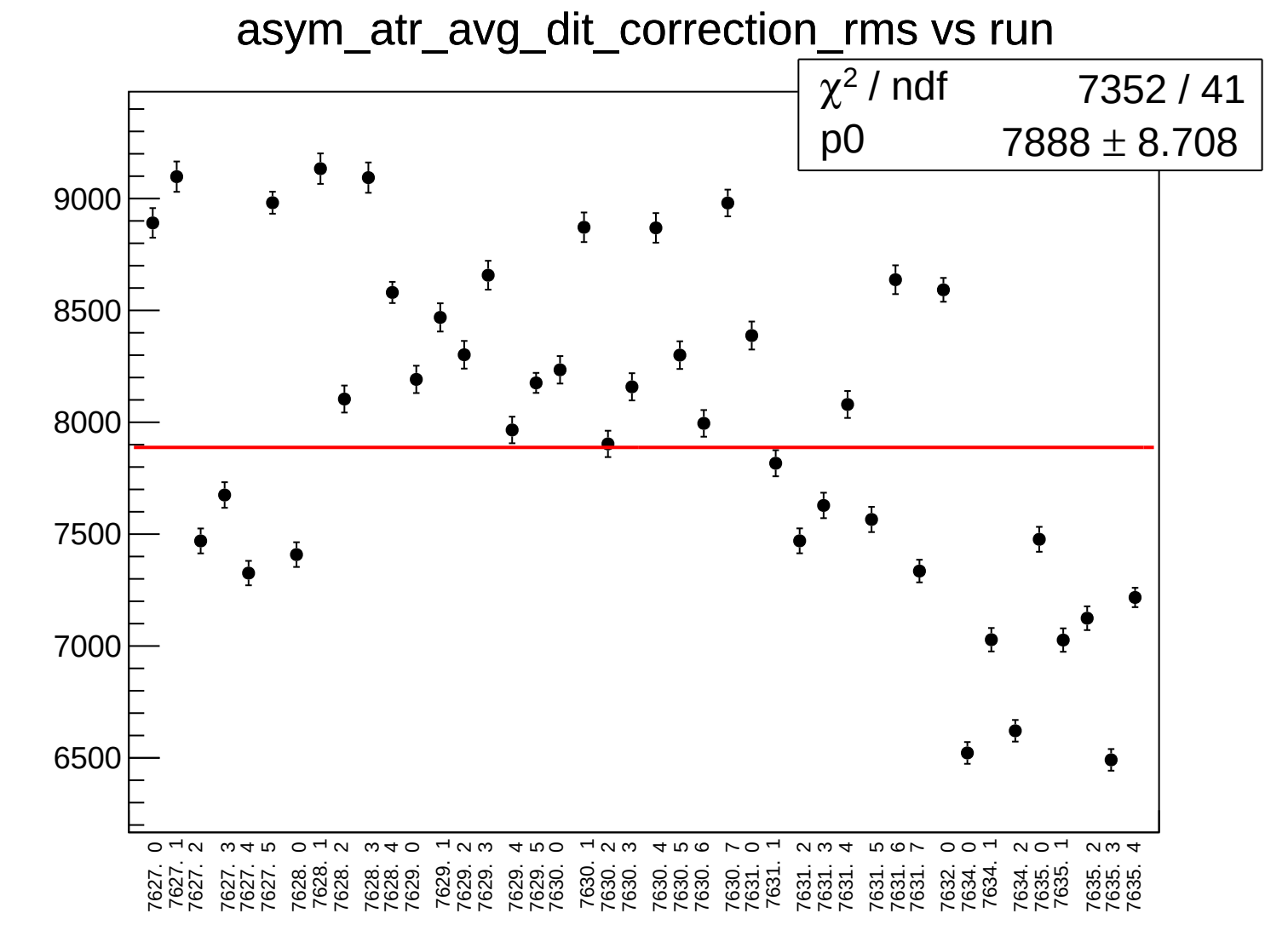
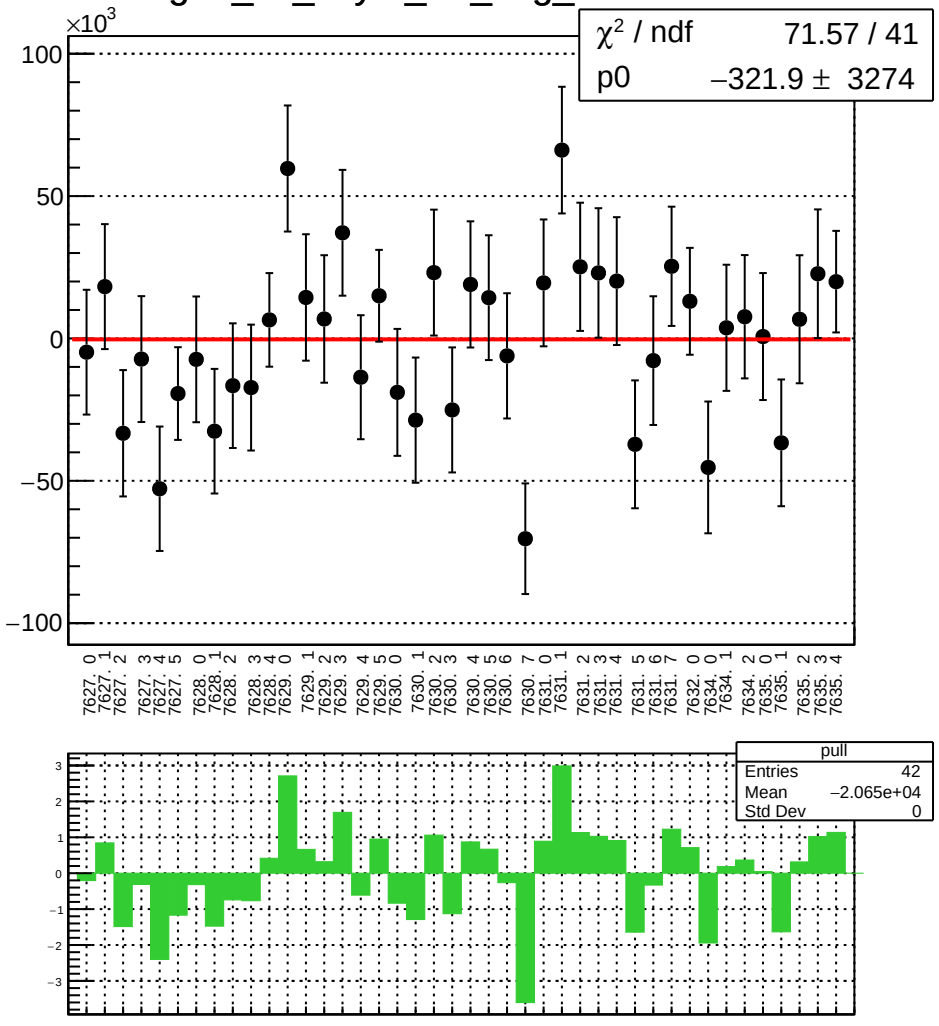
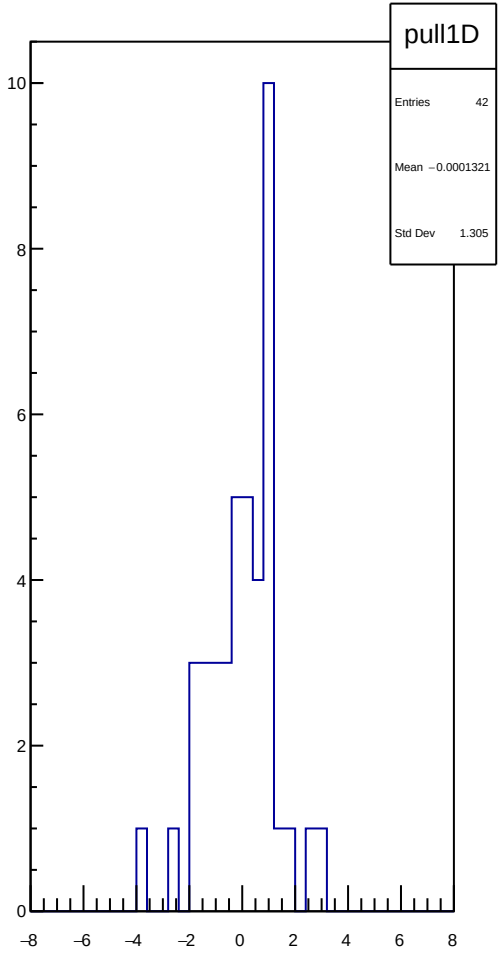
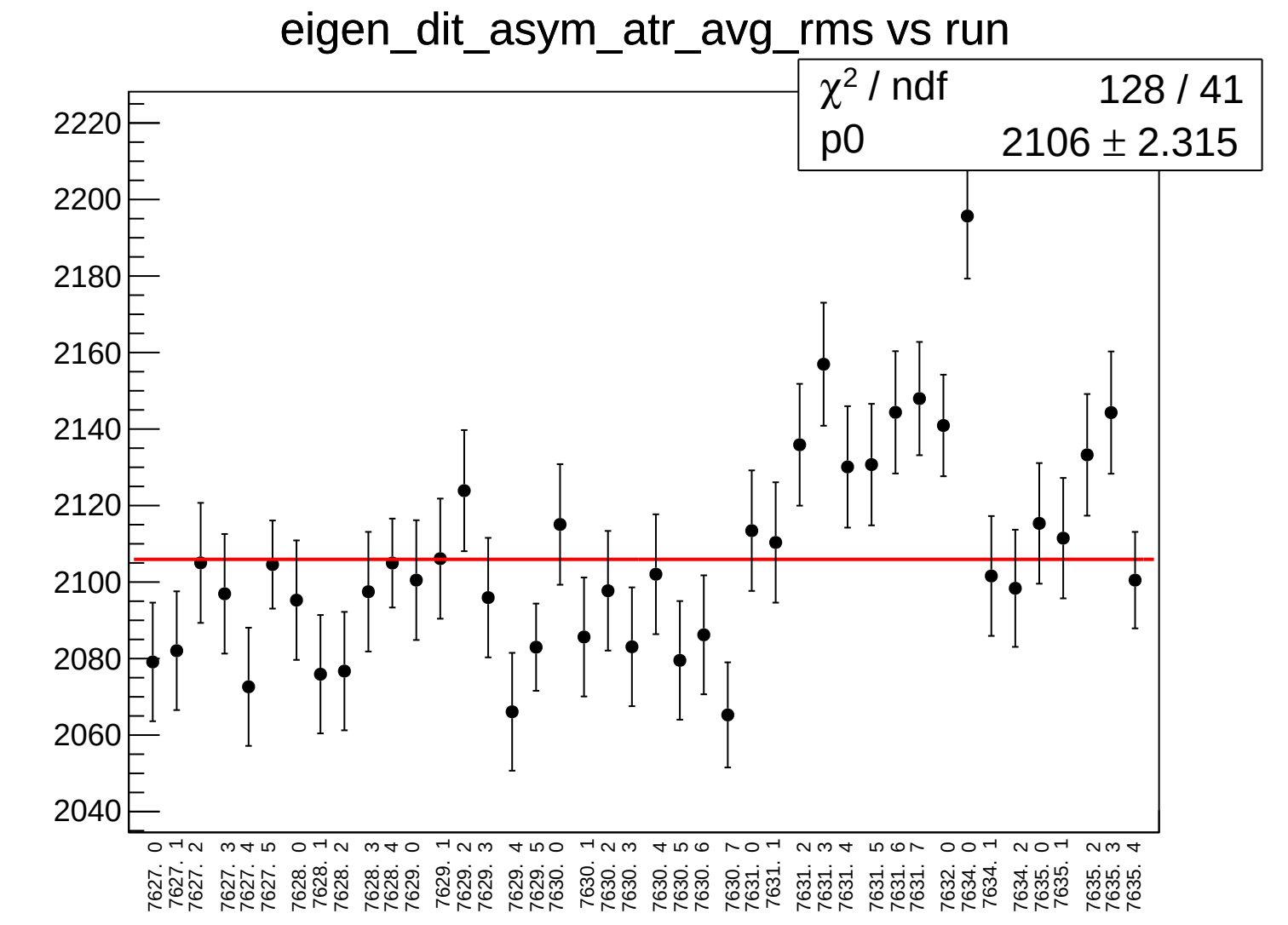
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 6.838
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

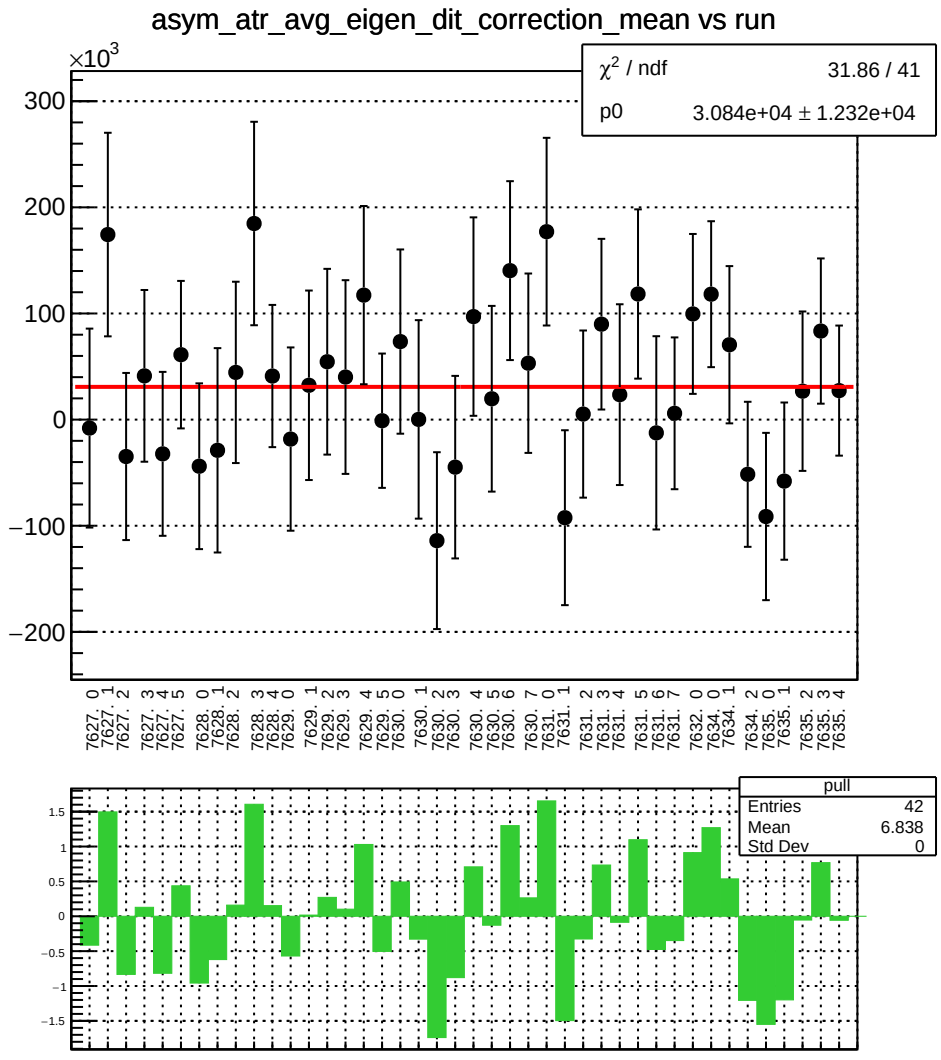

pull1D
Entries 42
Mean 0.01301
Std Dev 0.8708
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

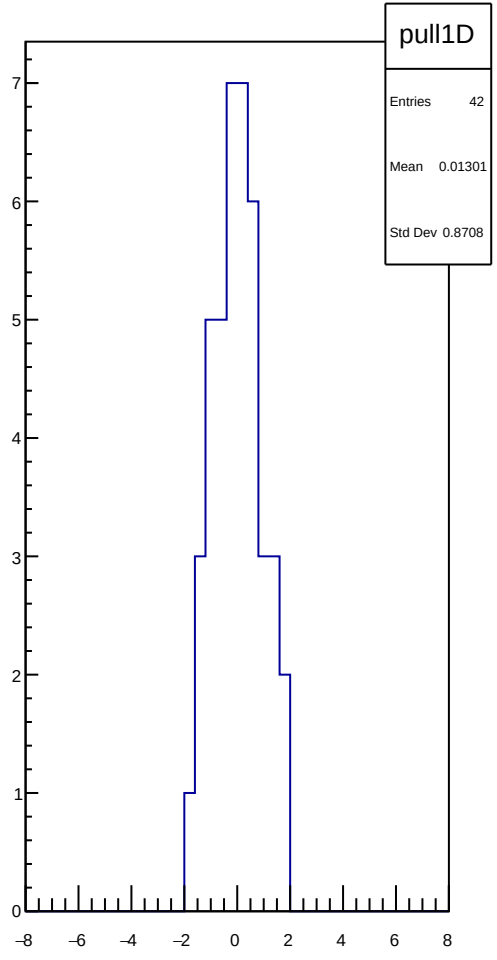

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 7352 / 41
p0 7888 ± 8.708
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

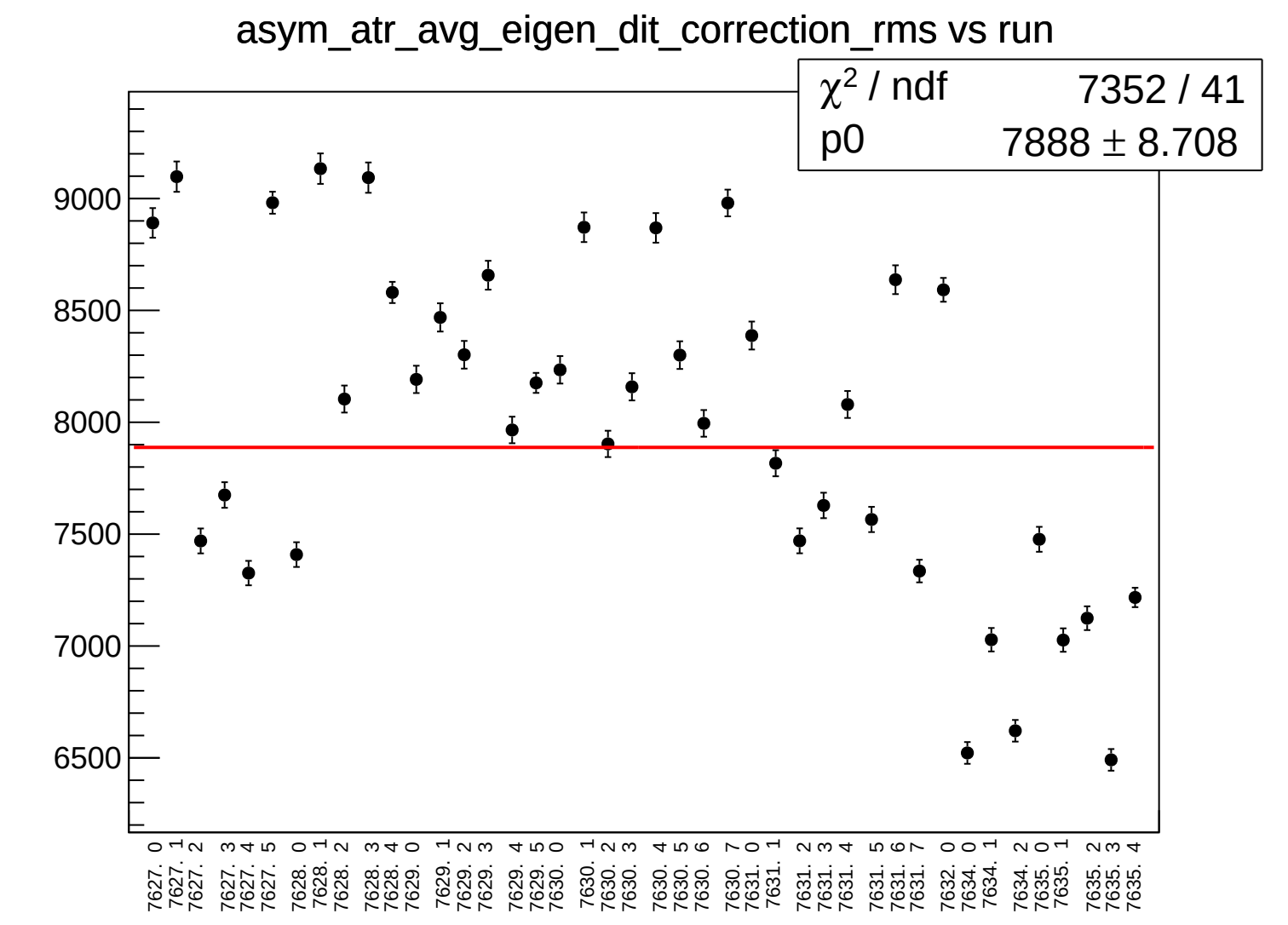

eigen_dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 71.57 / 41
p0 −321.9 ± 3274
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.065e+04
Std Dev 0
3
2
1
0
−1
−2
−3

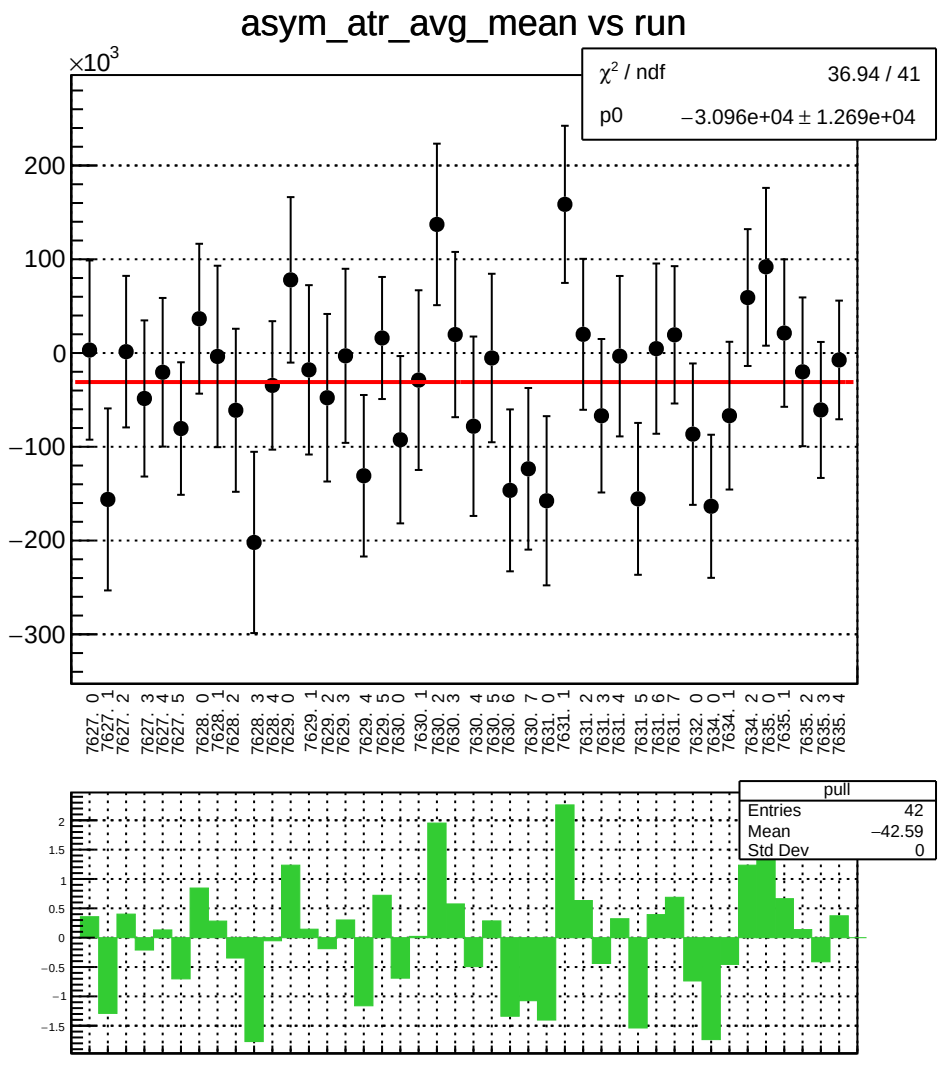

pull1D
Entries 42
Mean −0.0001321
Std Dev 1.305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

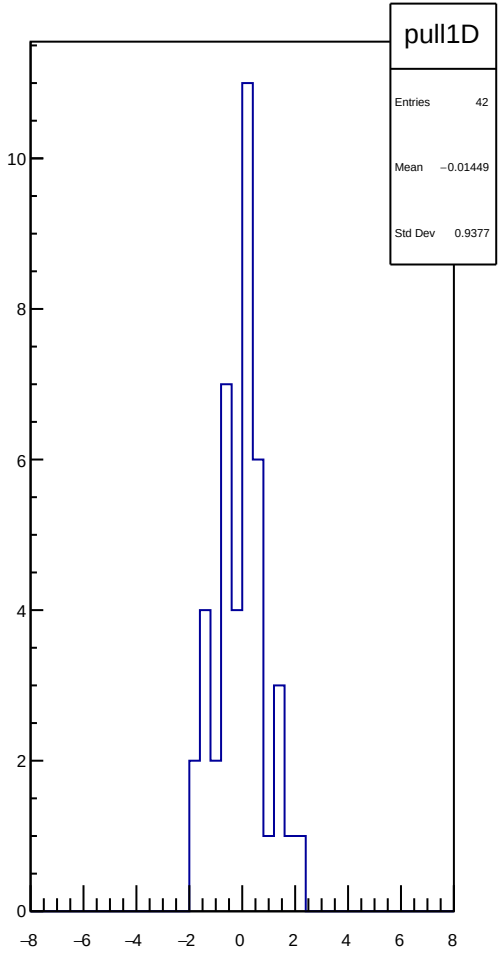

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 128 / 41
p0 2106 ± 2.315
2220
2200
2180
2160
2140
2120
2100
2080
2060
2040
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

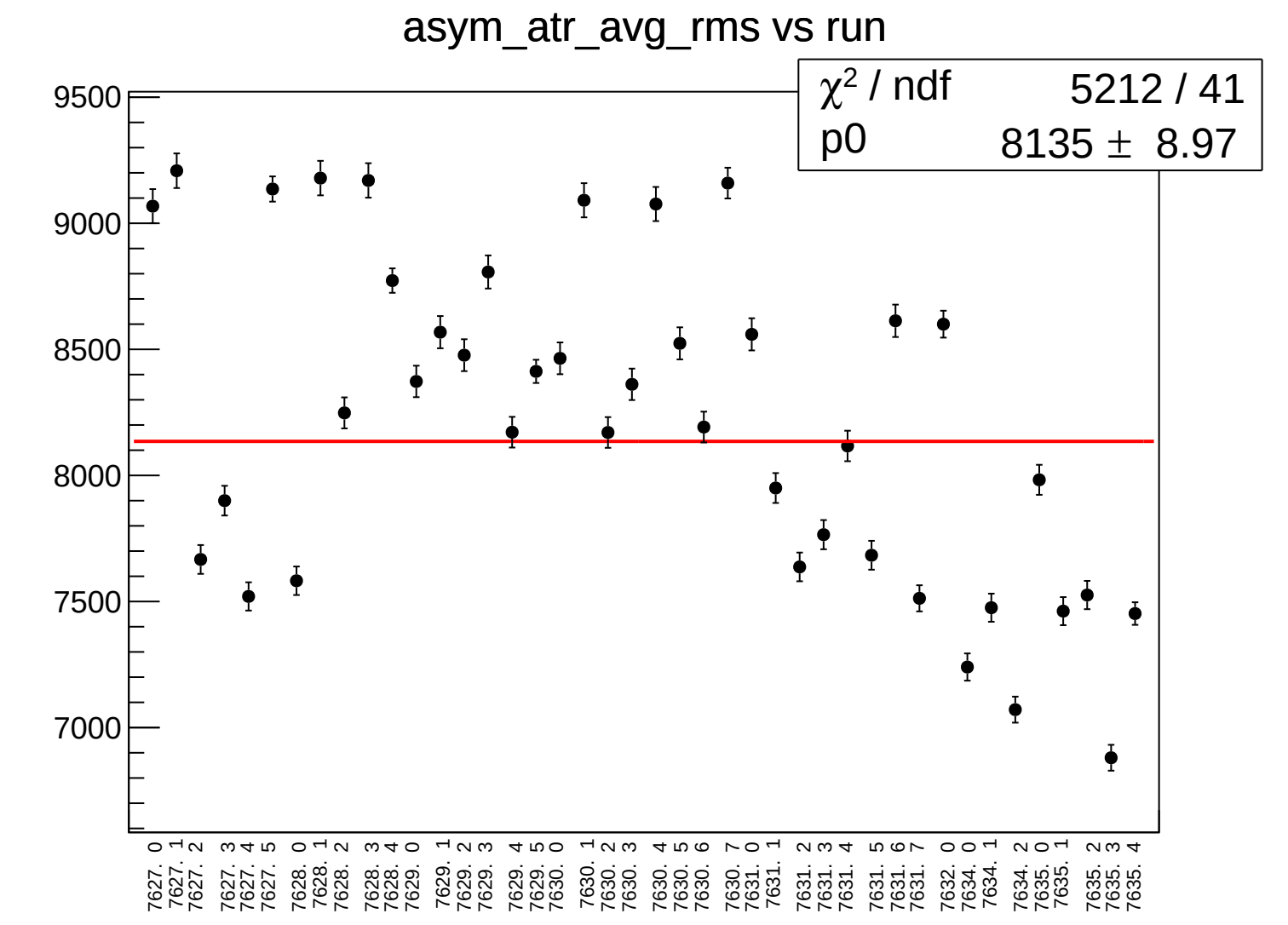

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 31.86 / 41
p0 3.084e+04 ± 1.232e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 6.838
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

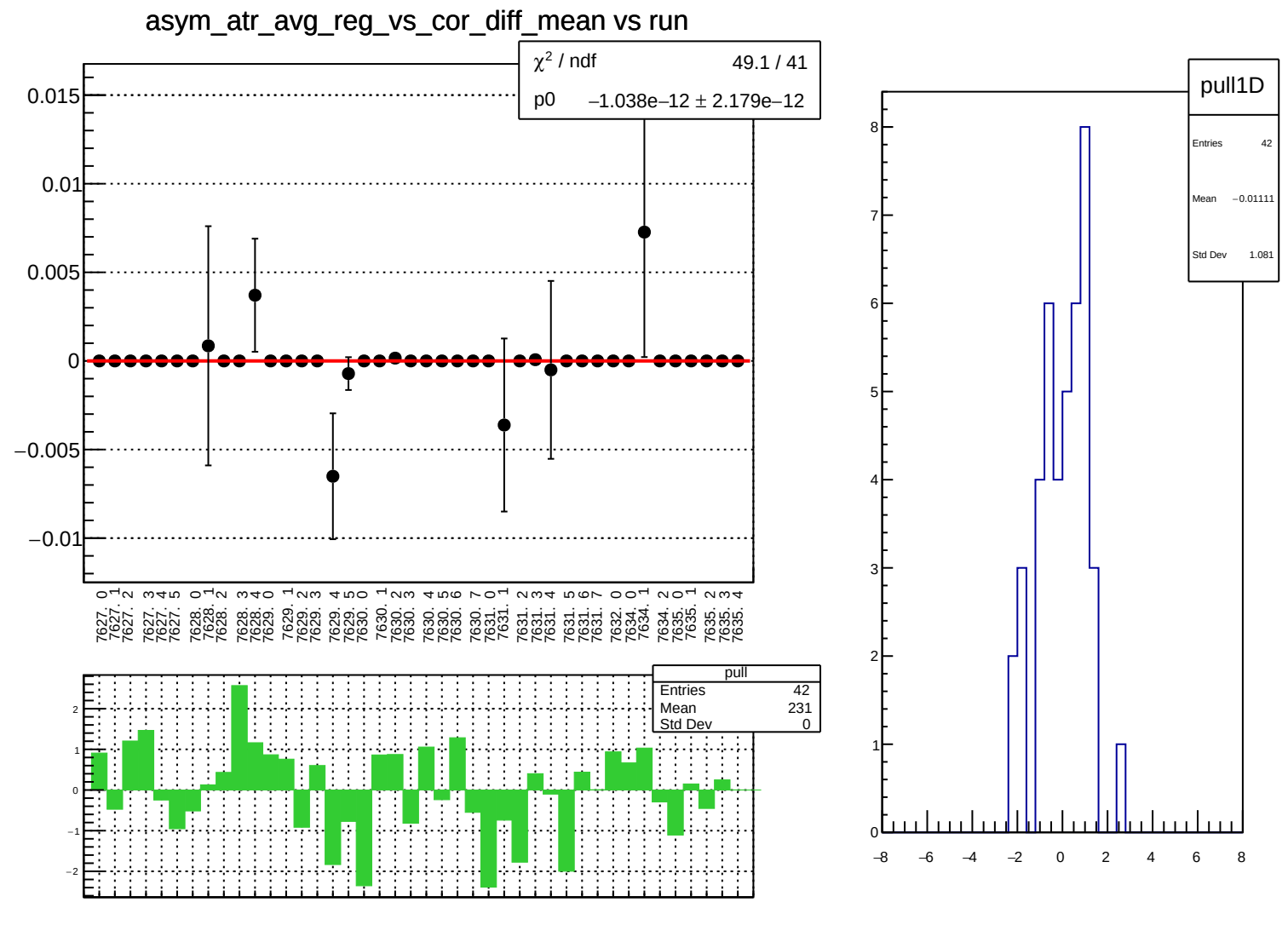

pull1D
Entries 42
Mean 0.01301
Std Dev 0.8708
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

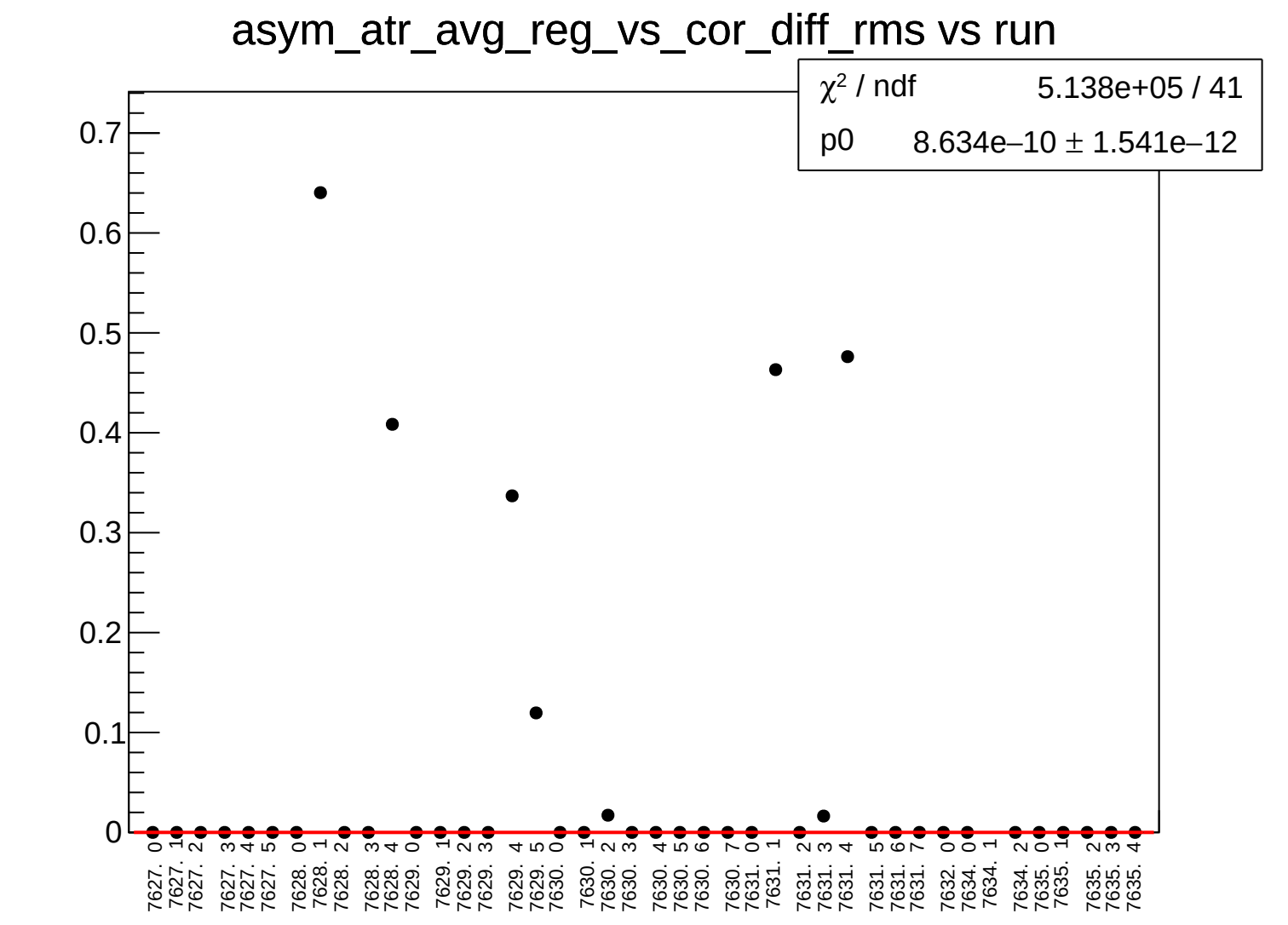

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 7352 / 41
p0 7888 ± 8.708
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

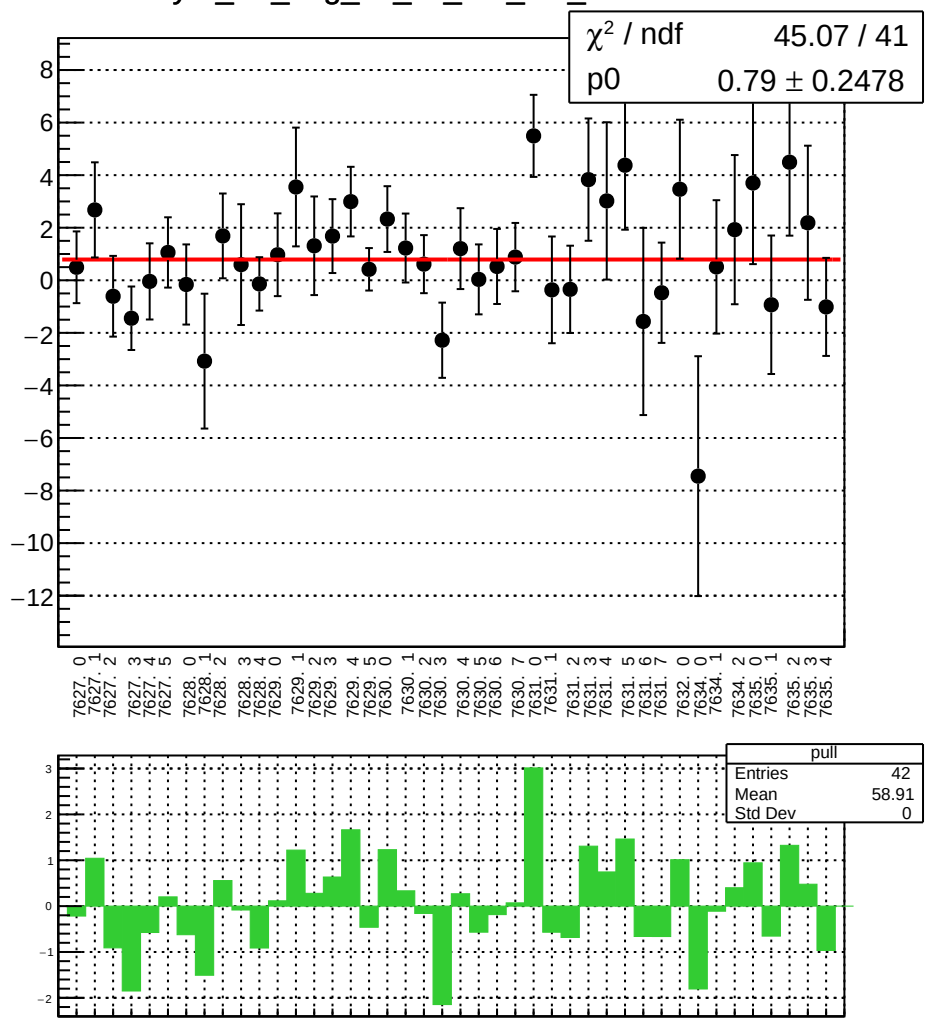

asym_atr_avg_mean vs run
×10^3
χ² / ndf 36.94 / 41
p0 −3.096e+04 ± 1.269e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −42.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

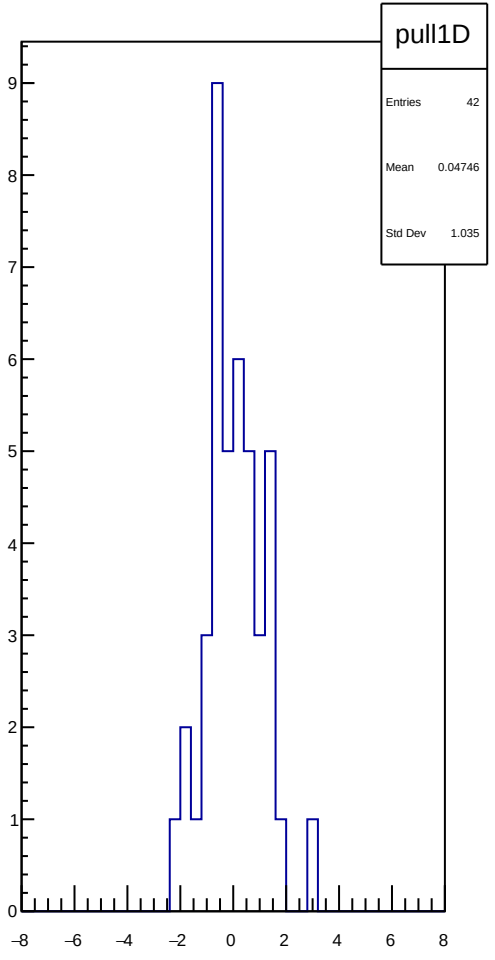

pull1D
Entries 42
Mean −0.01449
Std Dev 0.9377
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

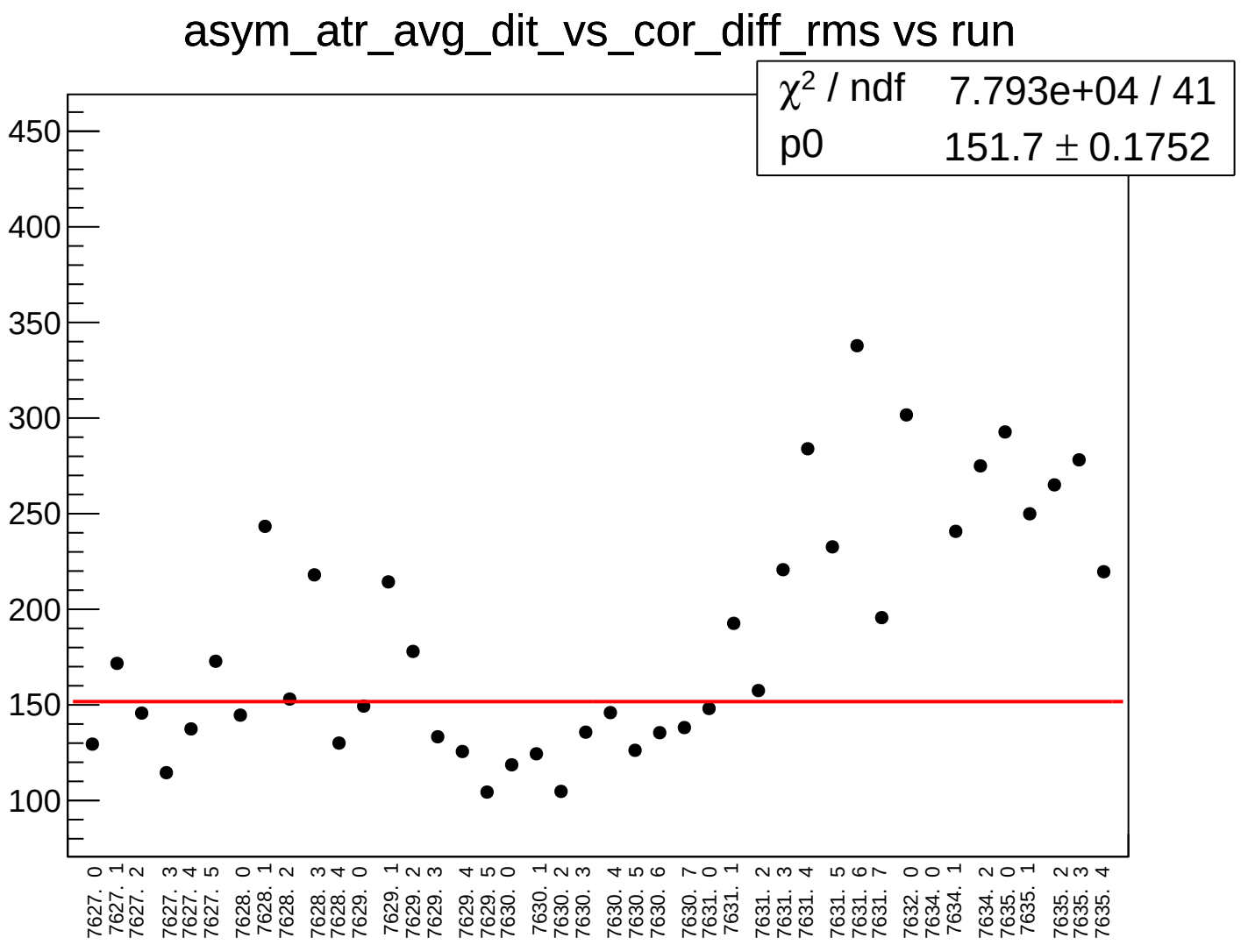

asym_atr_avg_rms vs run
χ² / ndf 5212 / 41
p0 8135 ± 8.97
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

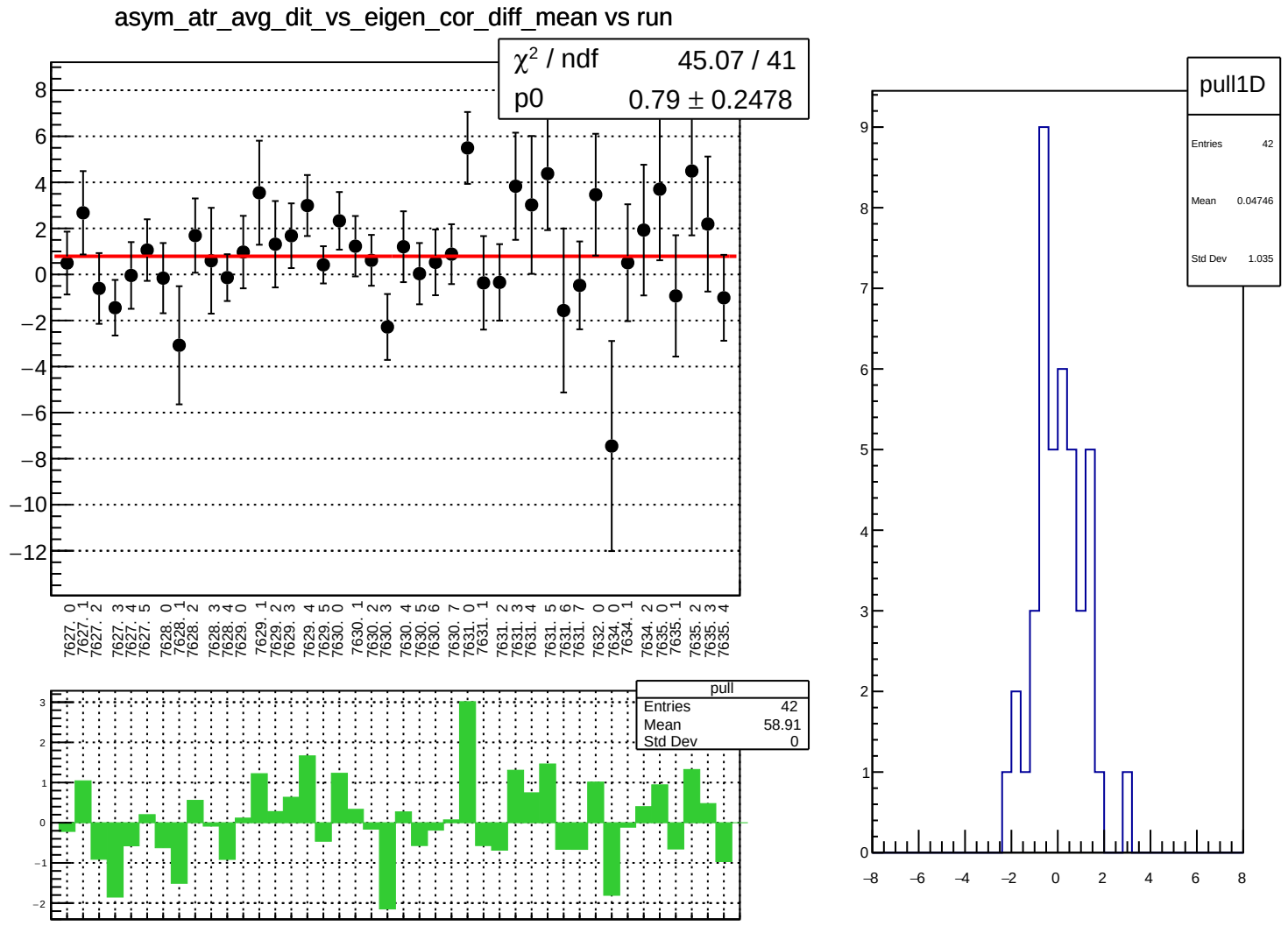

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.1 / 41
p0 −1.038e−12 ± 2.179e−12
0.015
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 231
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.01111
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

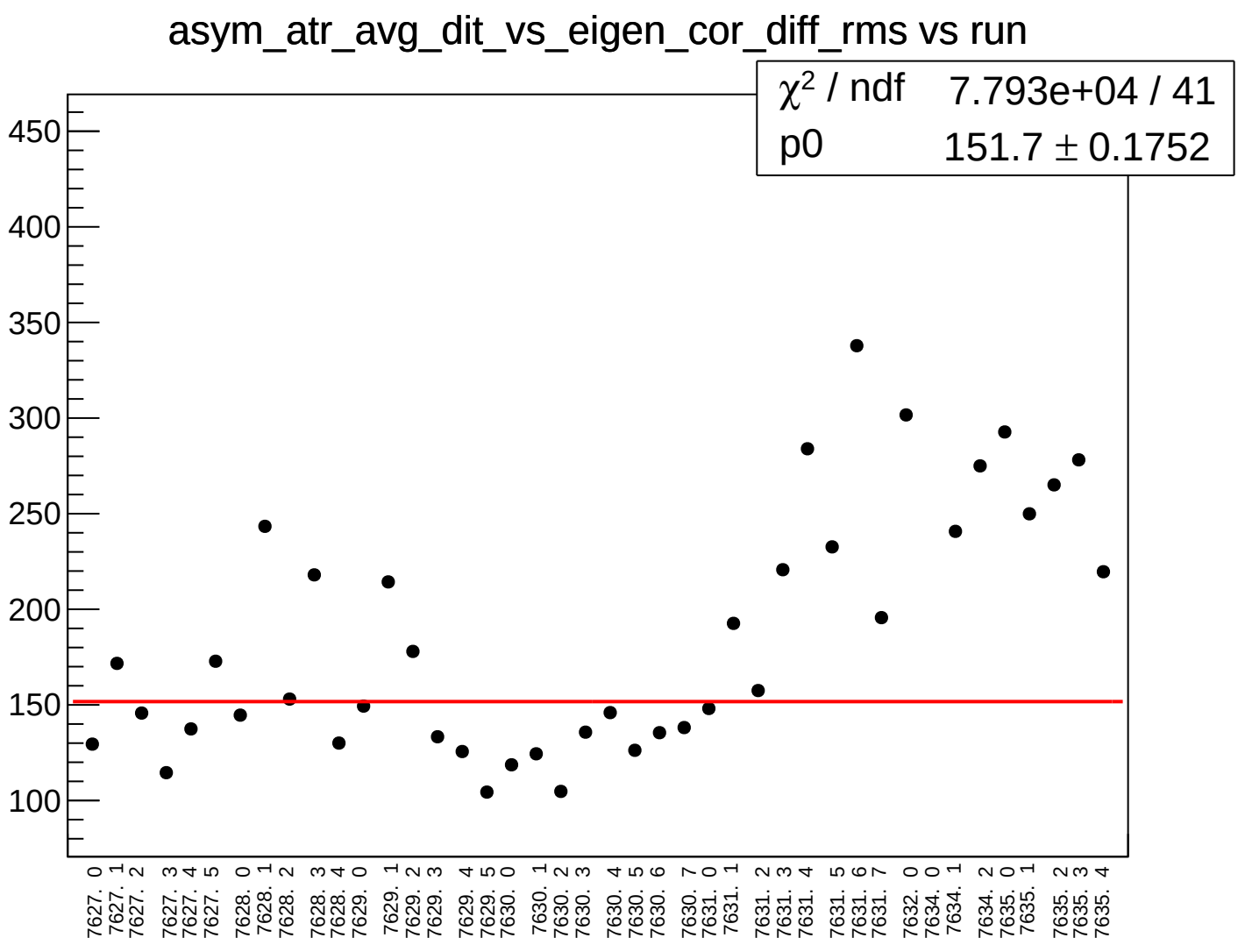

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.138e+05 / 41
p0 8.634e−10 ± 1.541e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

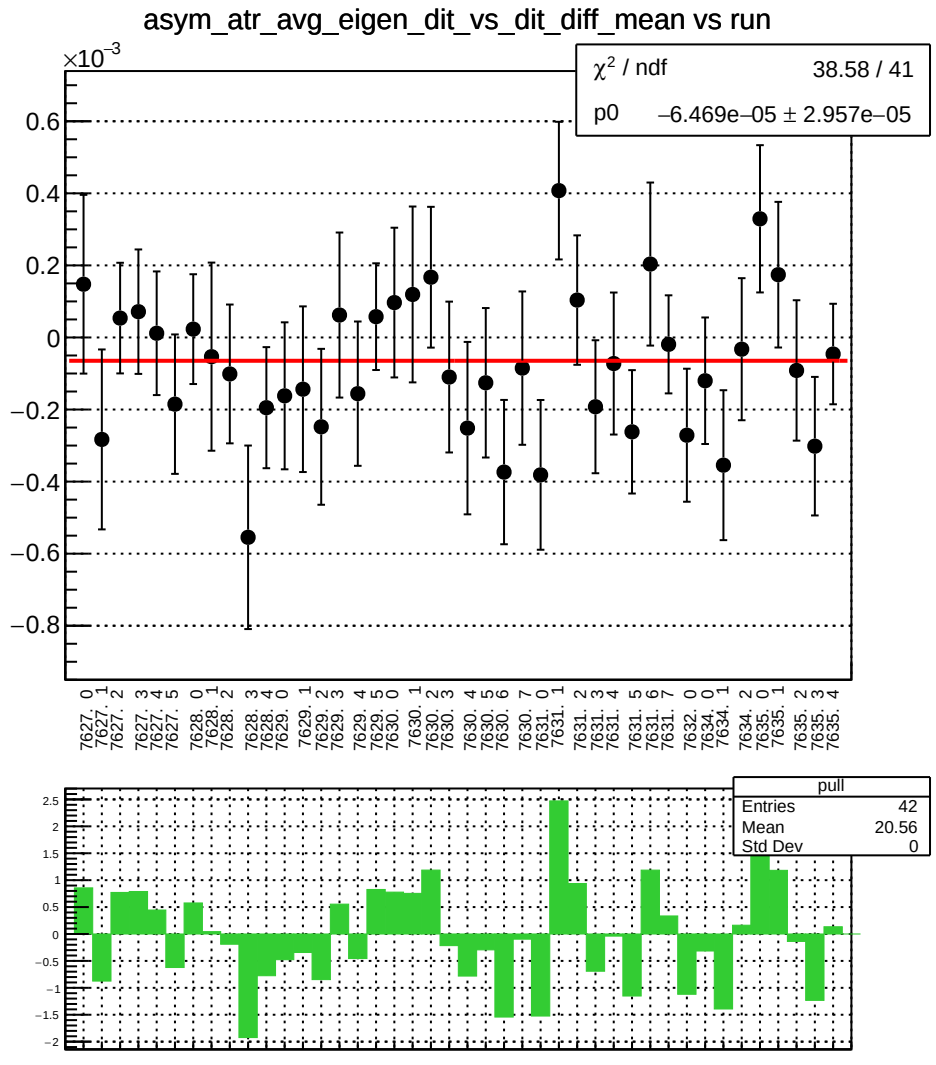

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.07 / 41
p0 0.79 ± 0.2478
pull
Entries 42
Mean 58.91
Std Dev 0

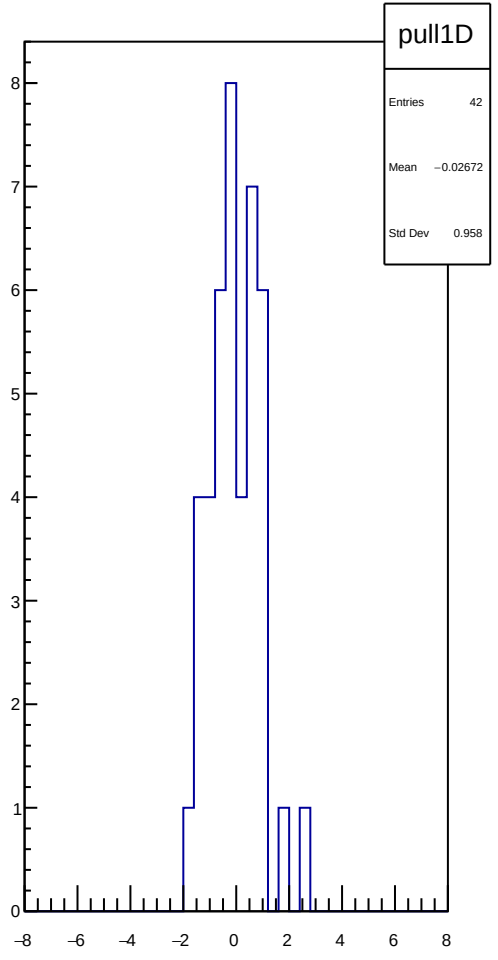

pull1D
Entries 42
Mean 0.04746
Std Dev 1.035

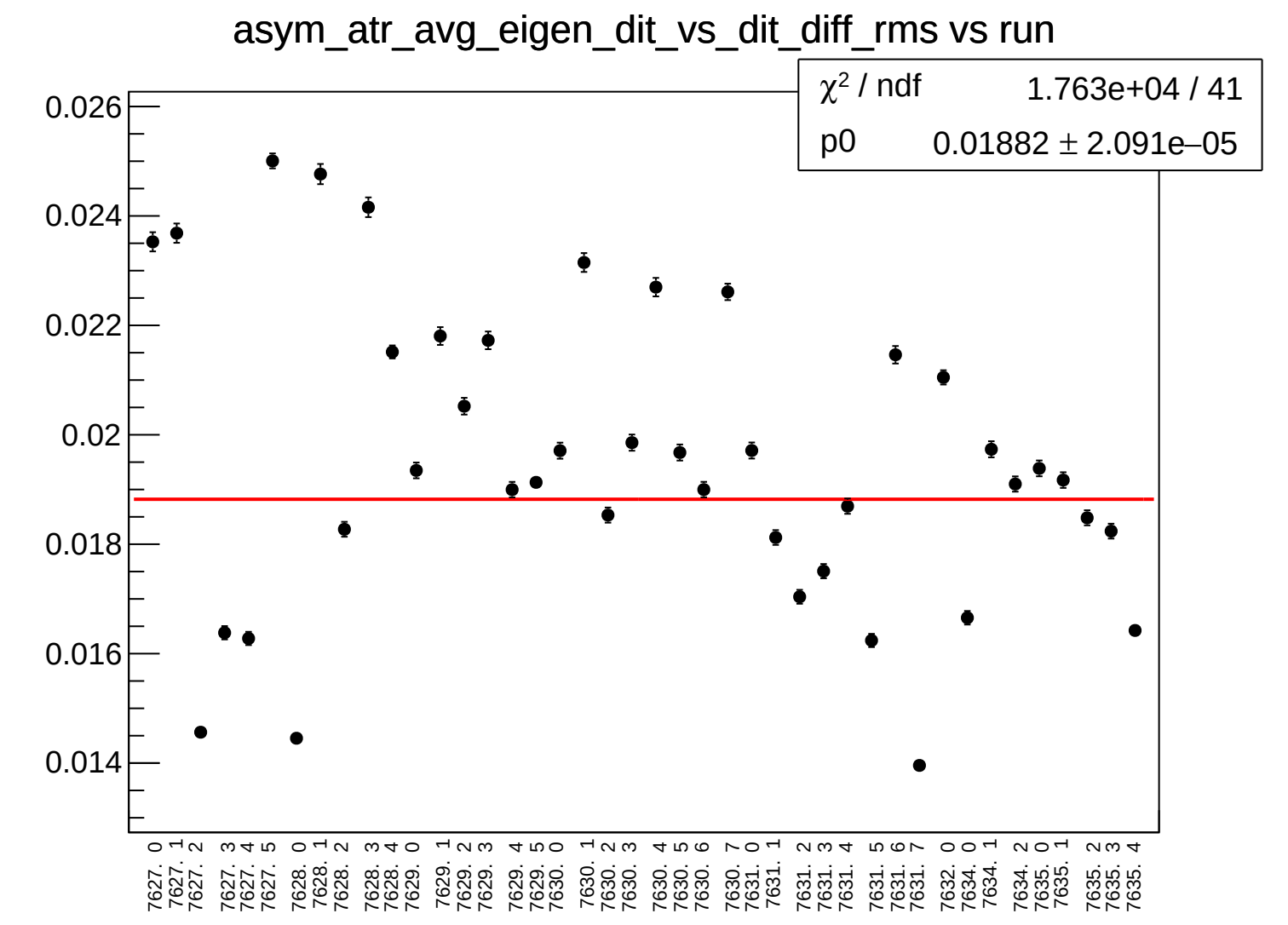

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.793e+04 / 41
p0 151.7 ± 0.1752
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

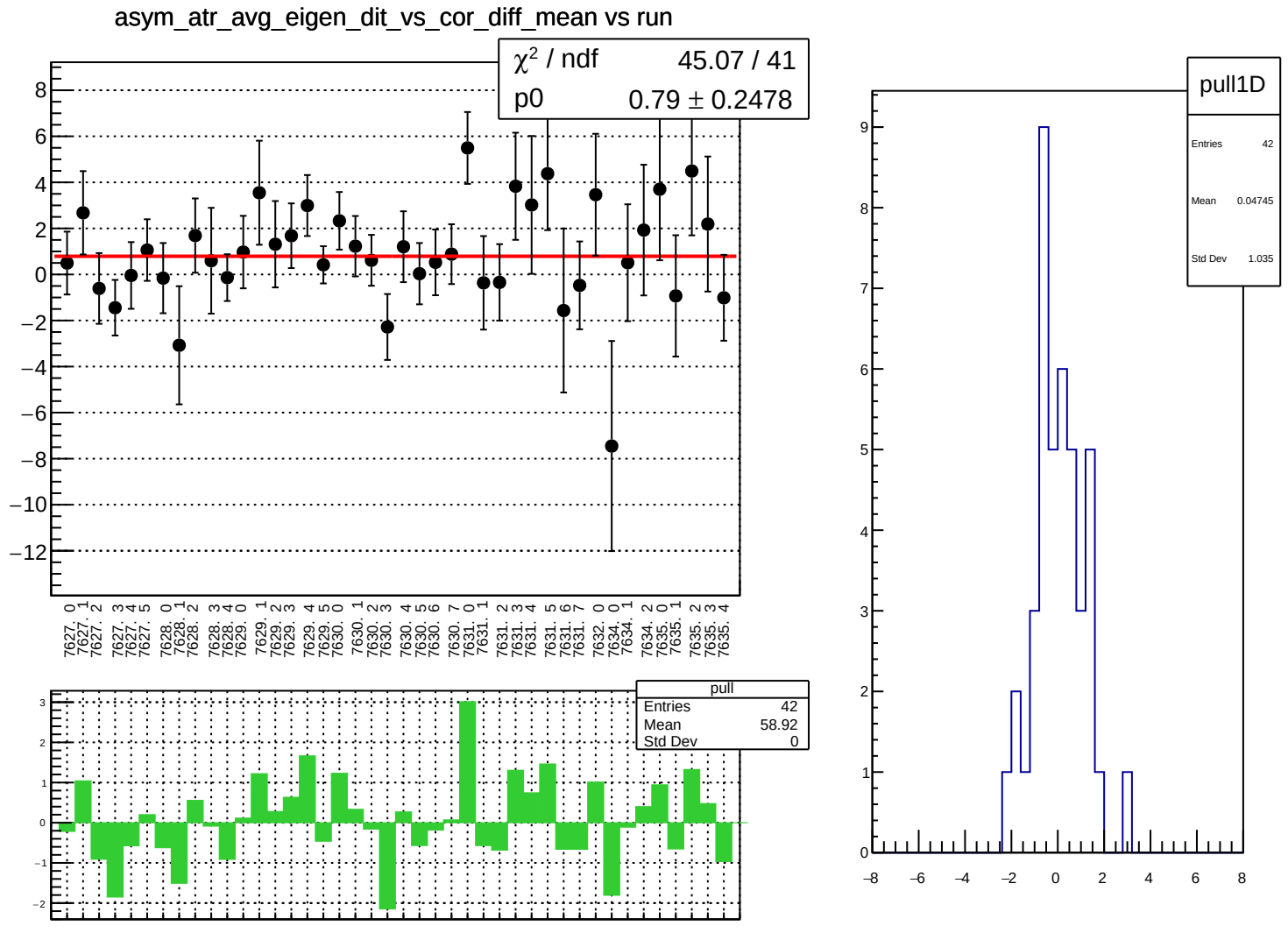

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.07 / 41
p0 0.79 ± 0.2478
pull
Entries 42
Mean 58.91
Std Dev 0
pull1D
Entries 42
Mean 0.04746
Std Dev 1.035

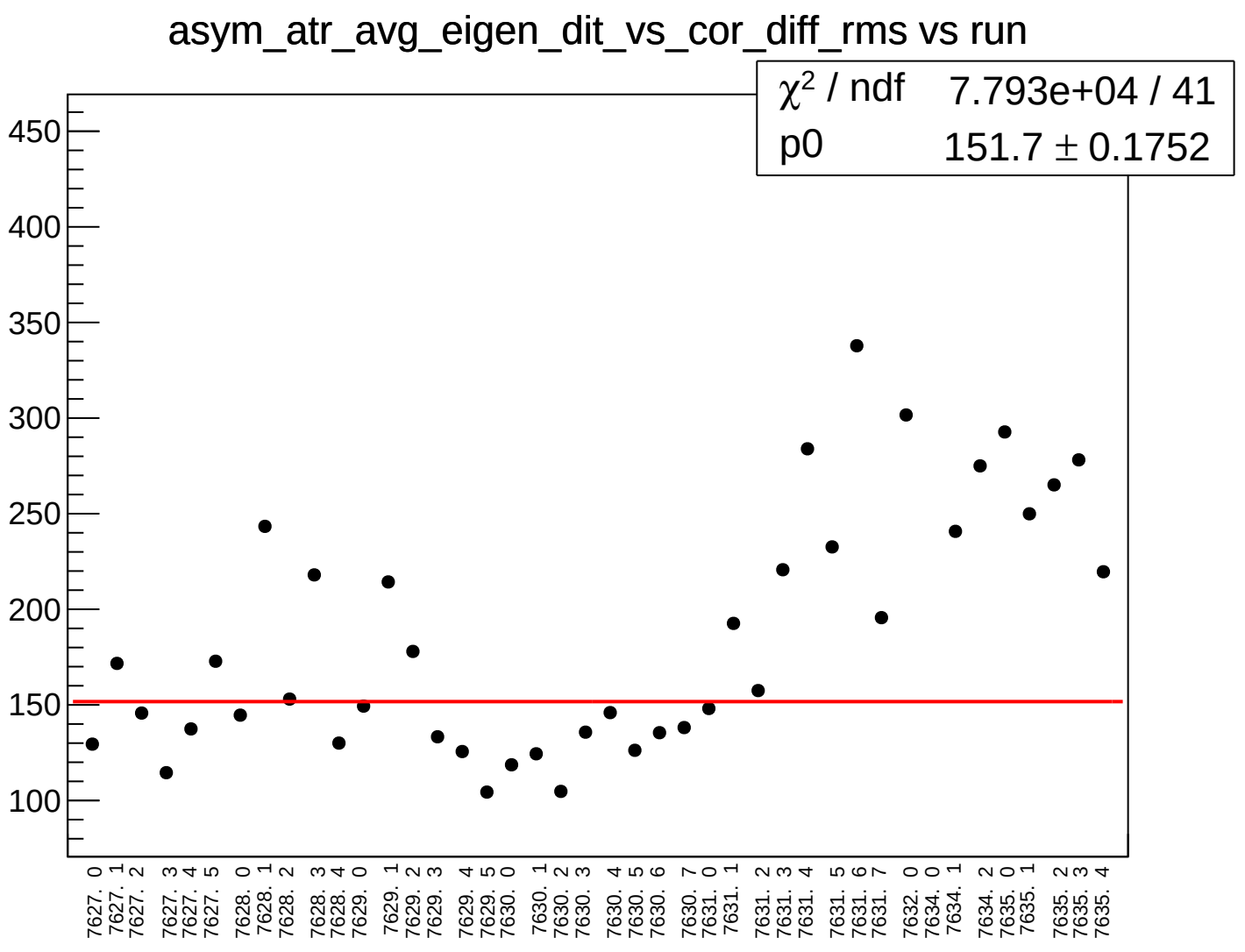

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.793e+04 / 41
p0 151.7 ± 0.1752
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

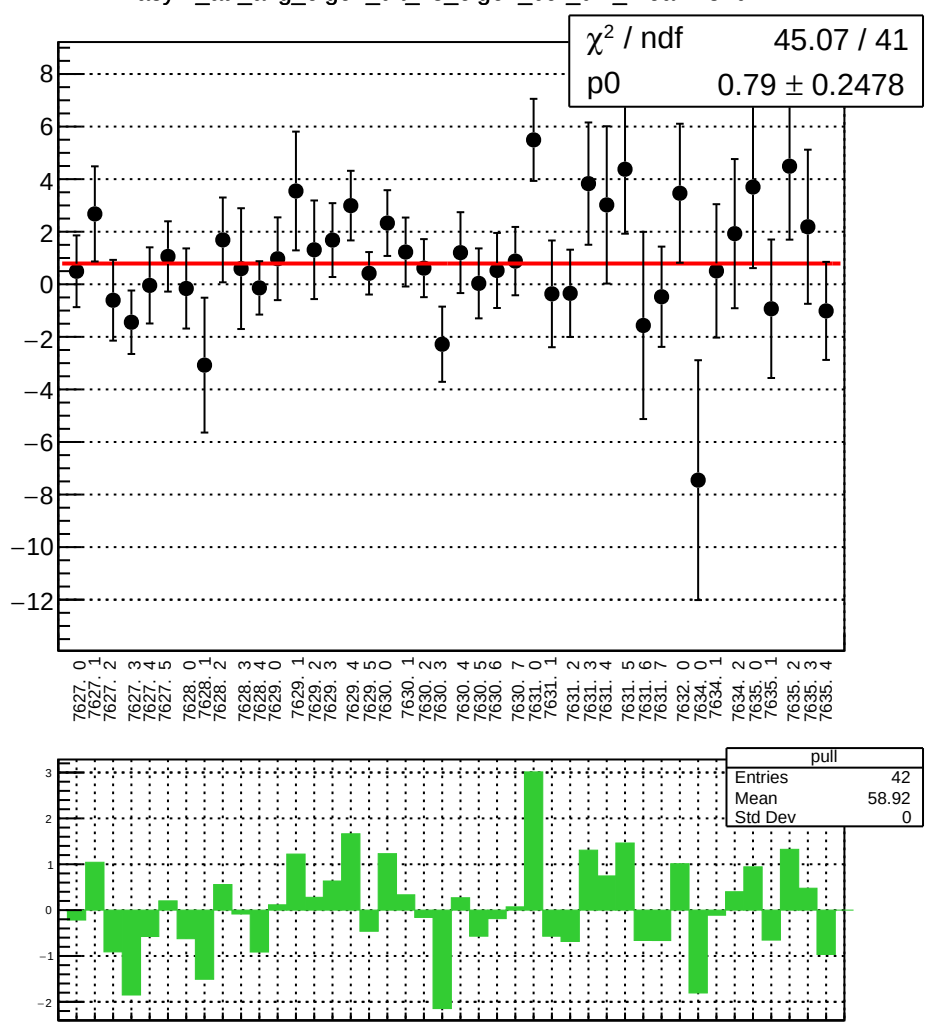

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.58 / 41
p0 −6.469e−05 ± 2.957e−05
pull
Entries 42
Mean 20.56
Std Dev 0

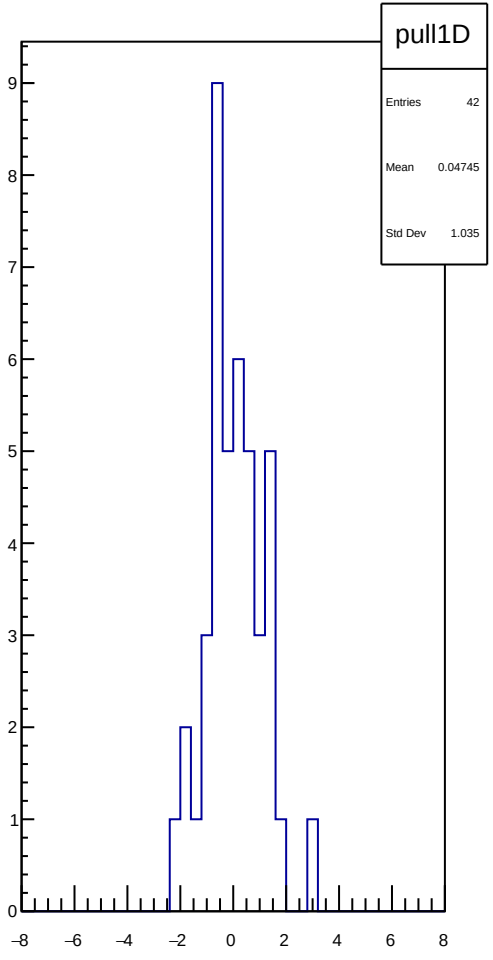

pull1D
Entries 42
Mean −0.02672
Std Dev 0.958

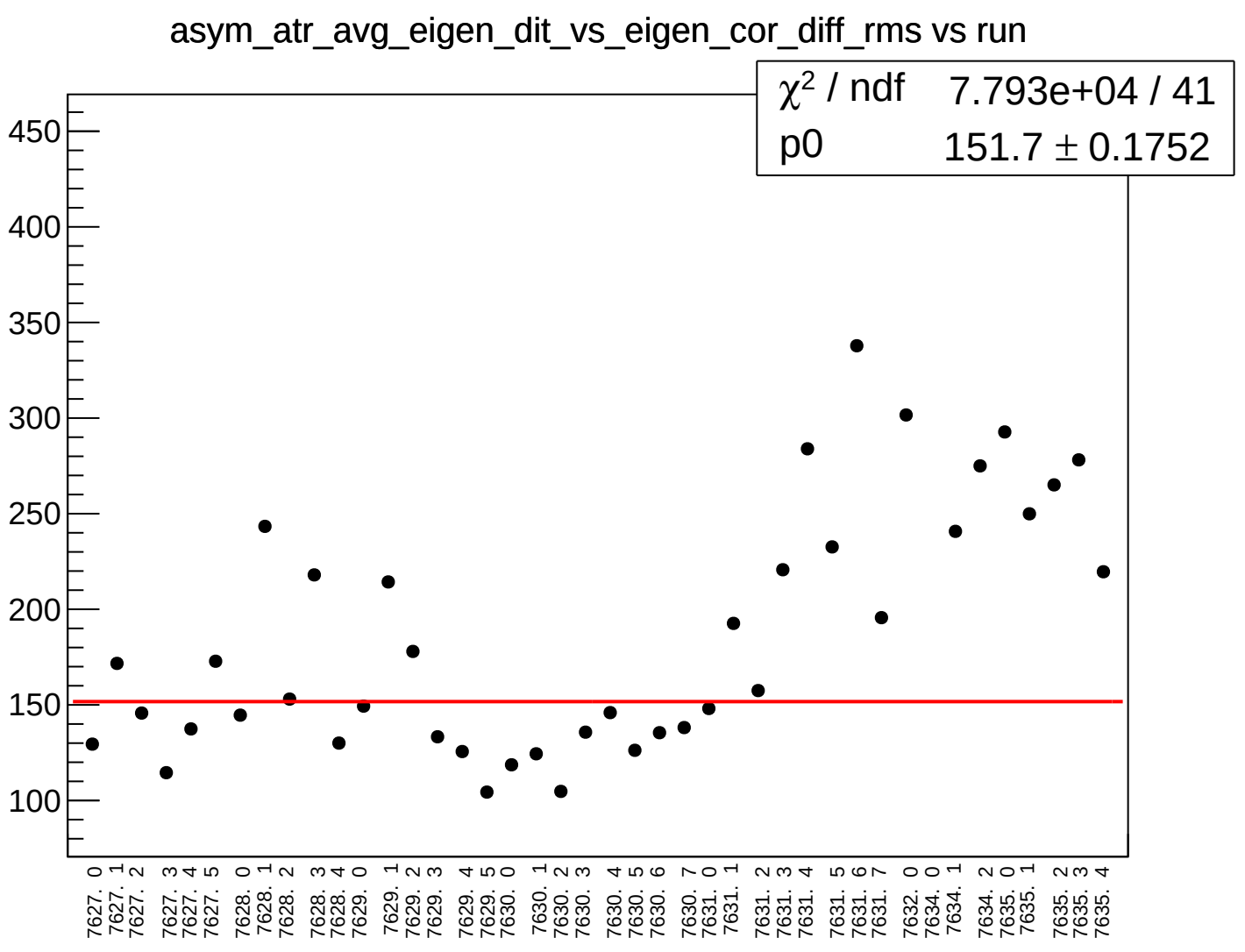

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.763e+04 / 41
p0 0.01882 ± 2.091e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

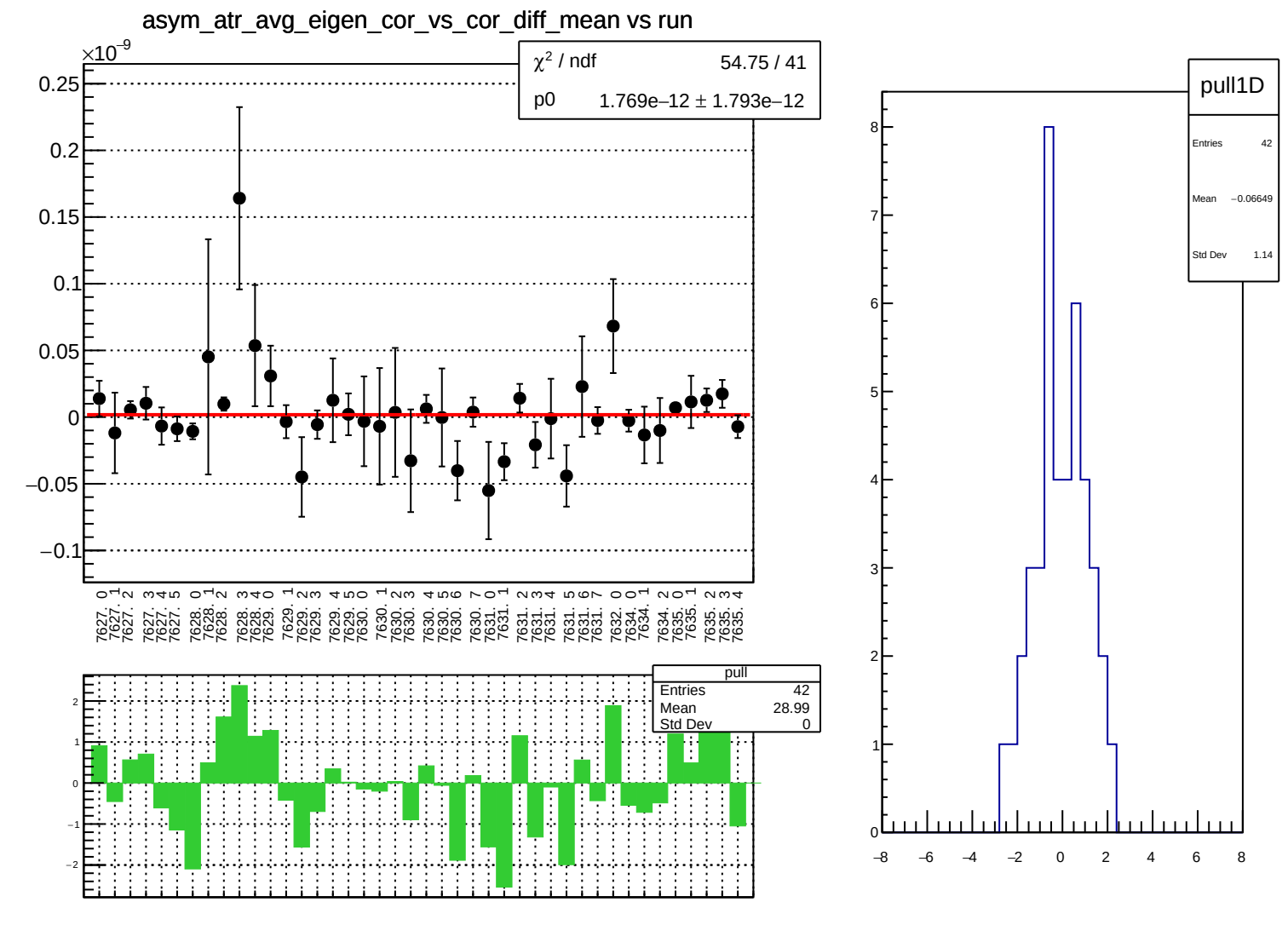

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.07 / 41
p0 0.79 ± 0.2478
pull
Entries 42
Mean 58.92
Std Dev 0
pull1D
Entries 42
Mean 0.04745
Std Dev 1.035

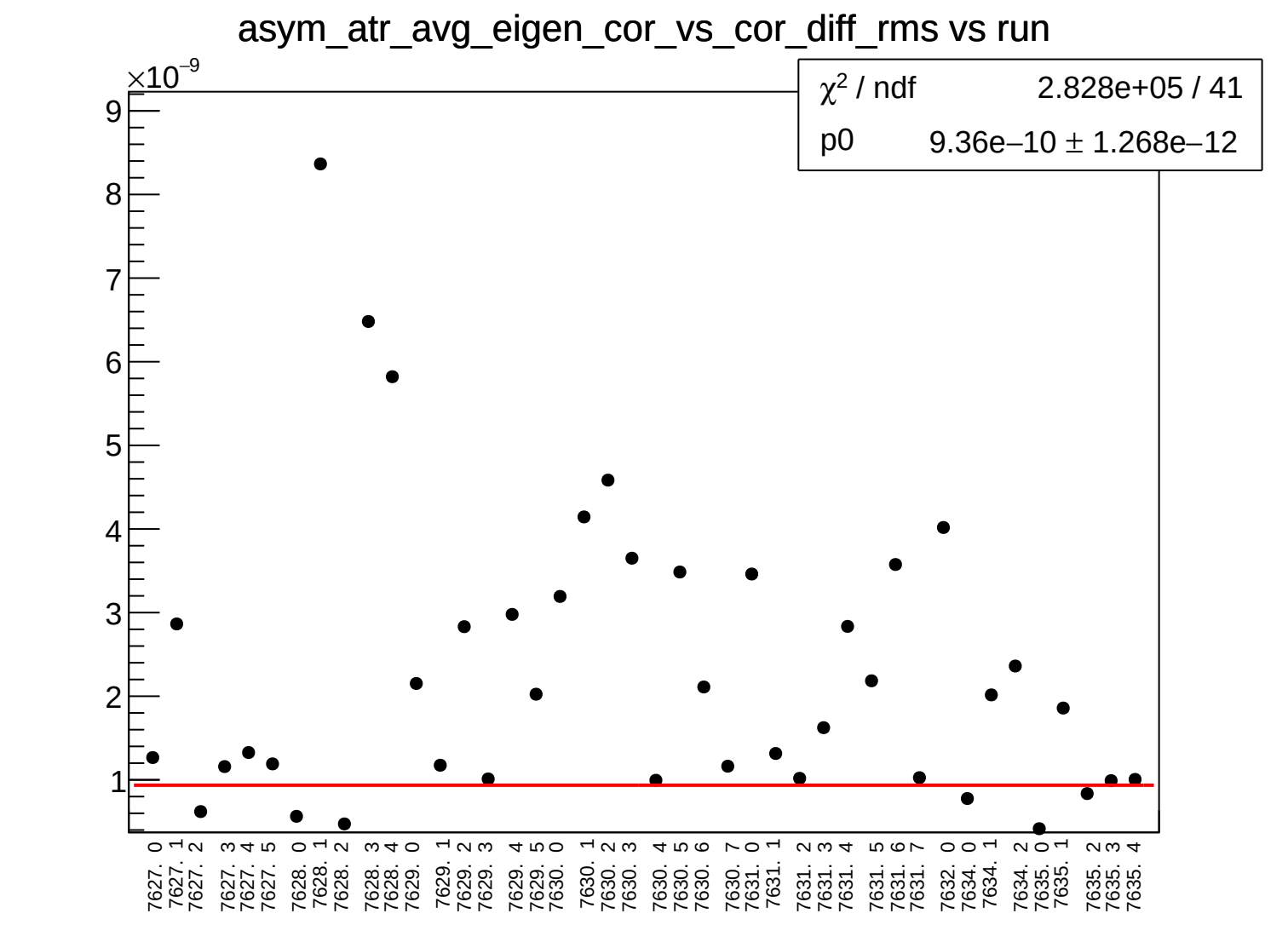

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.793e+04 / 41
p0 151.7 ± 0.1752
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

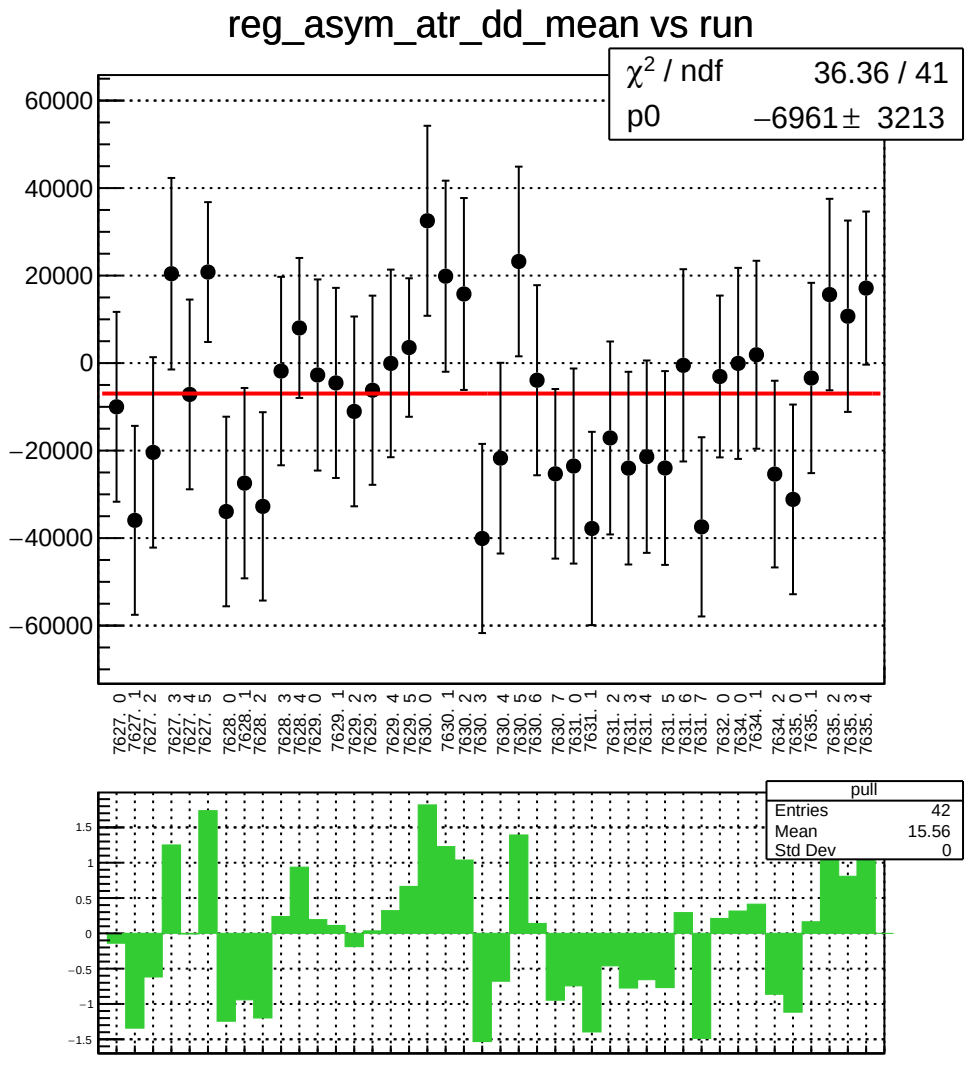

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.07 / 41
p0 0.79 ± 0.2478
pull
Entries 42
Mean 58.92
Std Dev 0

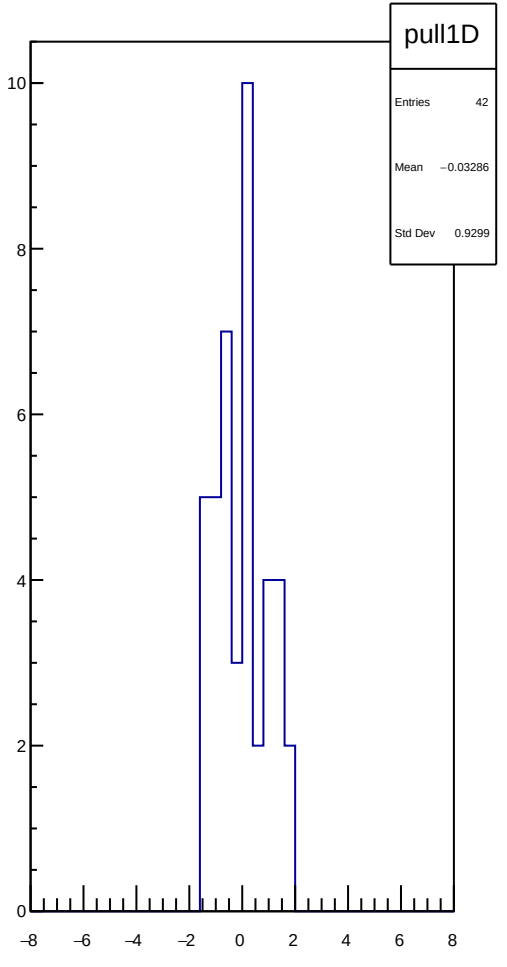

pull1D
Entries 42
Mean 0.04745
Std Dev 1.035

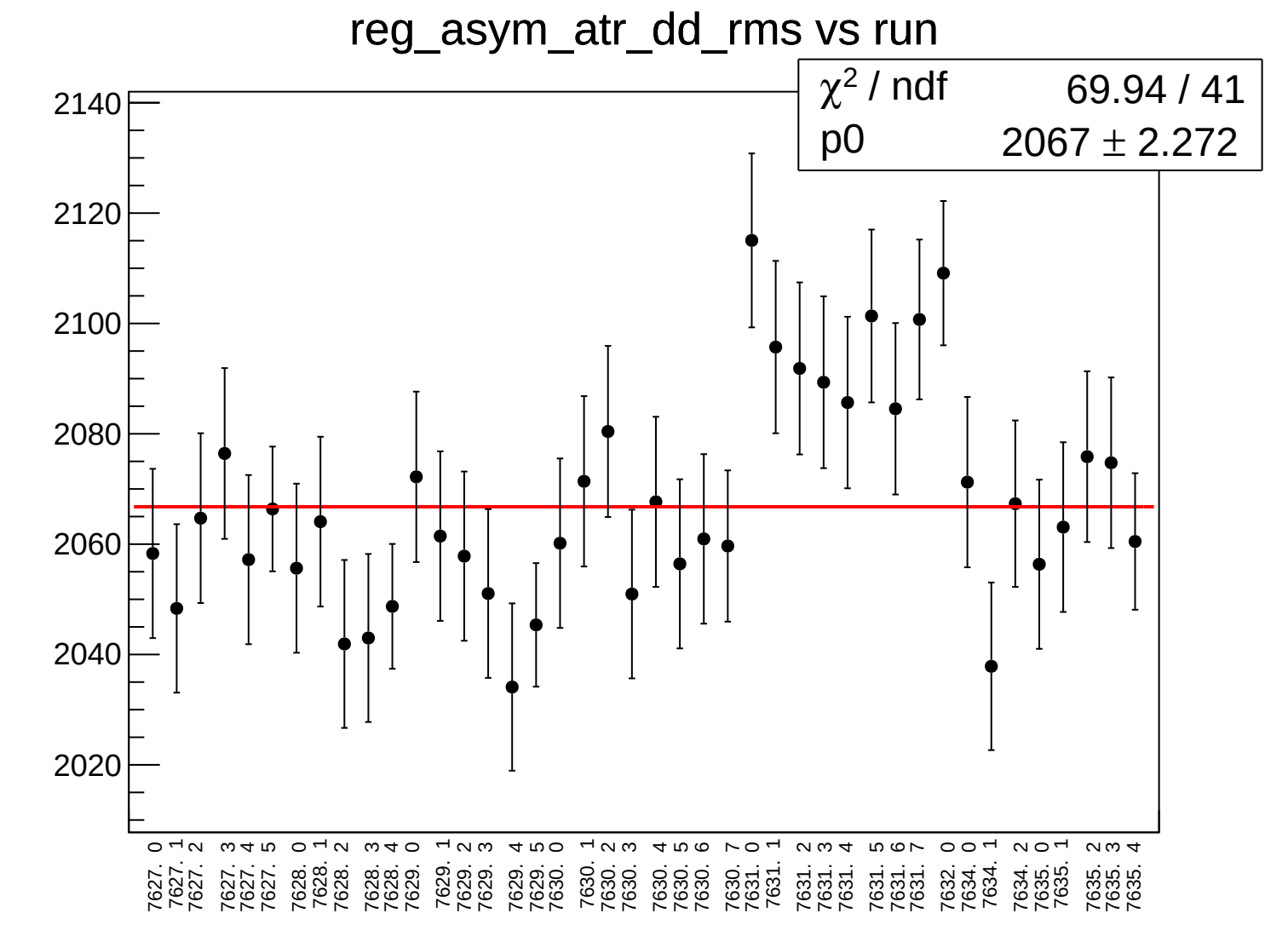

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.793e+04 / 41
p0 151.7 ± 0.1752
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

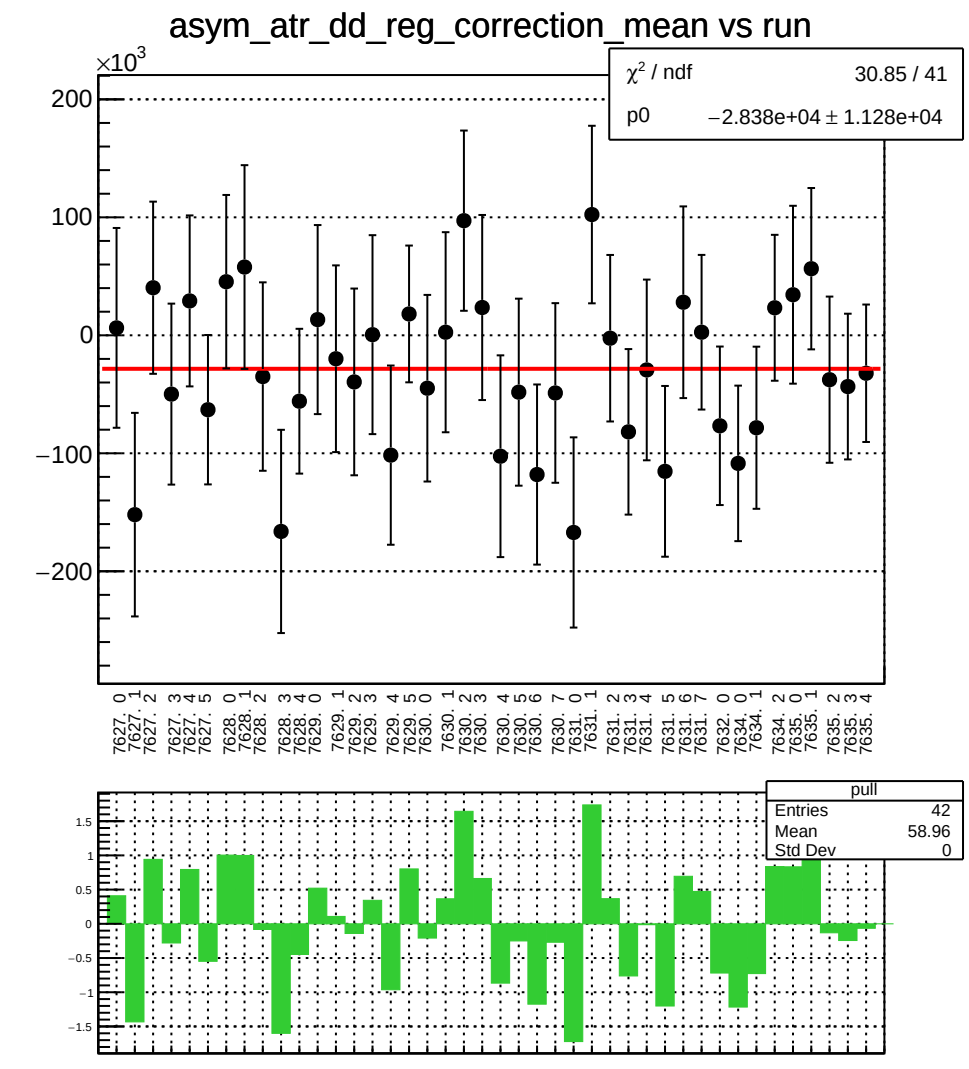

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.75 / 41
p0 1.769e−12 ± 1.793e−12
pull
Entries 42
Mean 28.99
Std Dev 0
pull1D
Entries 42
Mean −0.06649
Std Dev 1.14

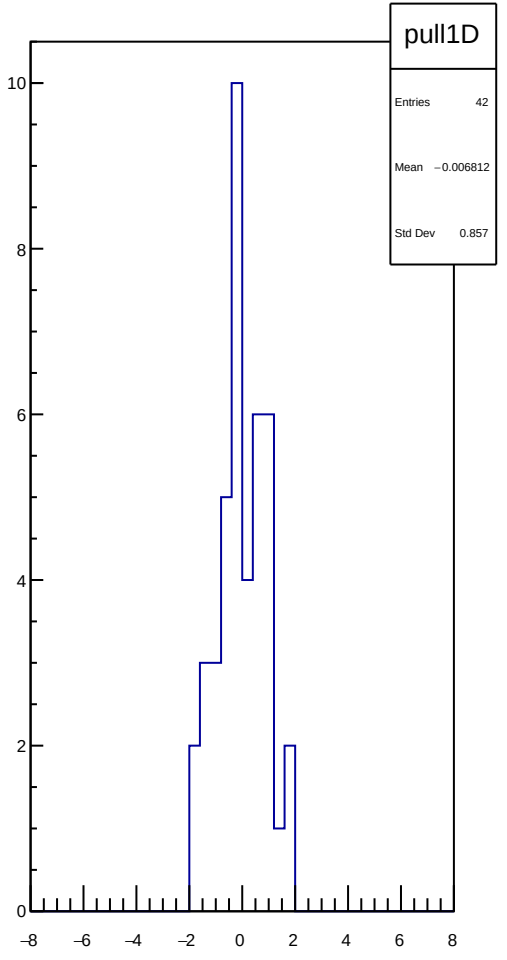

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.828e+05 / 41
p0 9.36e−10 ± 1.268e−12
9
8
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

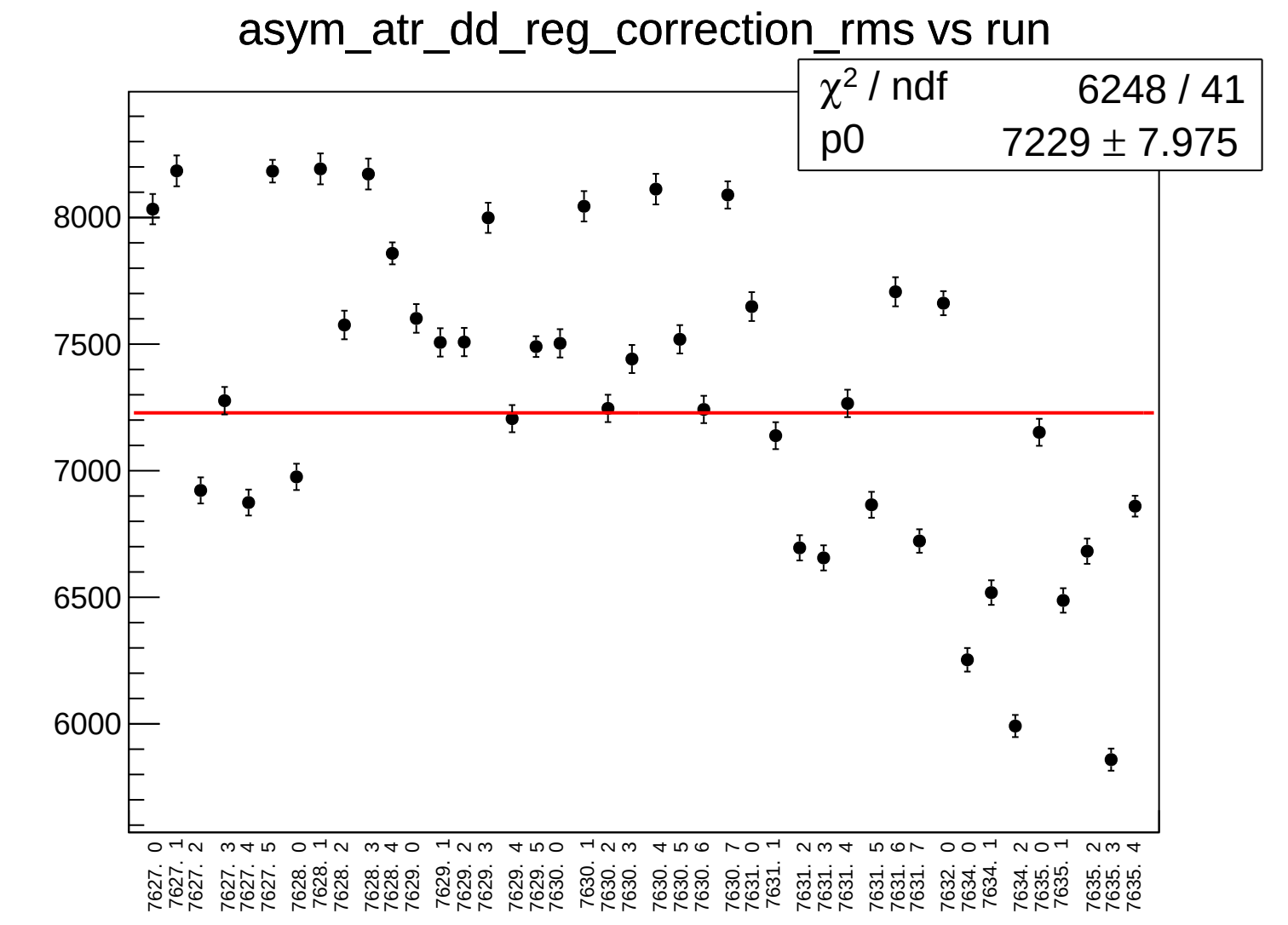

reg_asym_atr_dd_mean vs run
χ² / ndf 36.36 / 41
p0 −6961 ± 3213
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

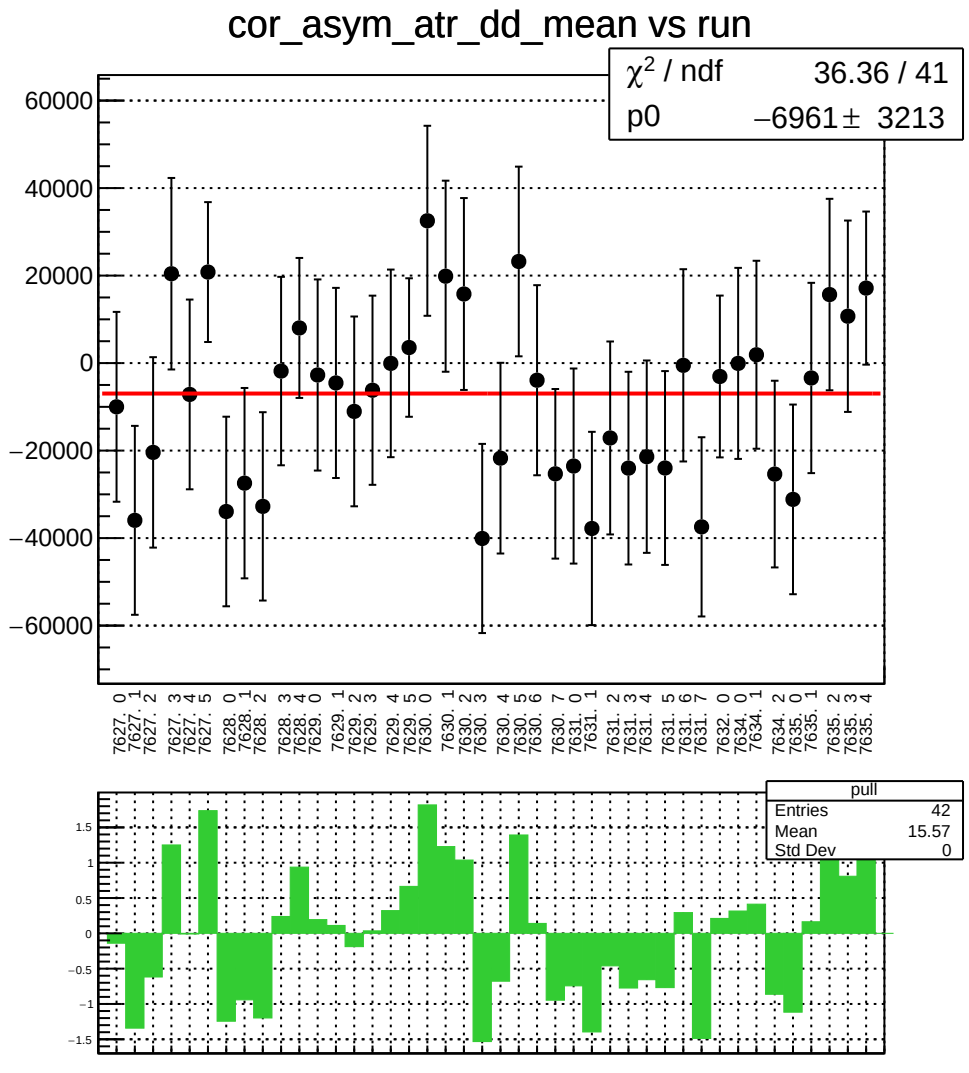

pull1D
Entries 42
Mean −0.03286
Std Dev 0.9299
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

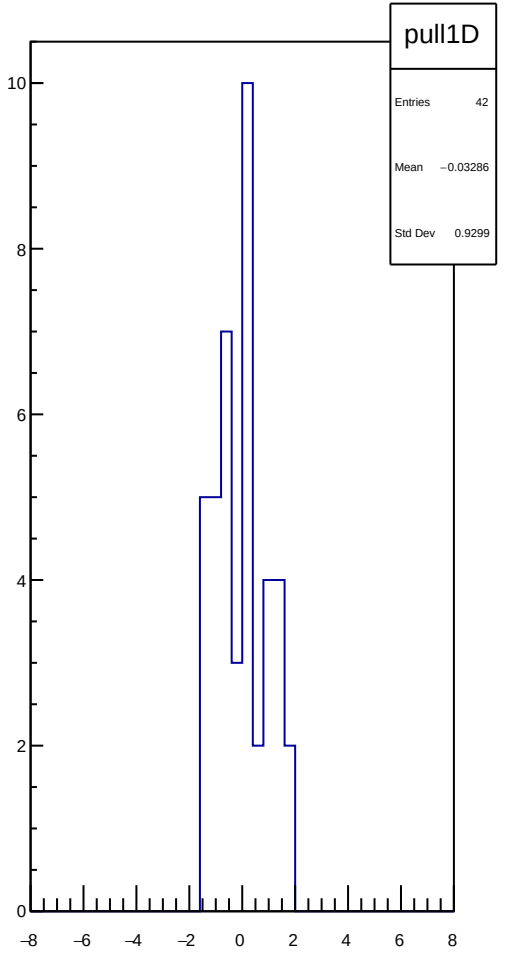

reg_asym_atr_dd_rms vs run
χ^2 / ndf 69.94 / 41
p0 2067 ± 2.272
2140
2120
2100
2080
2060
2040
2020
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

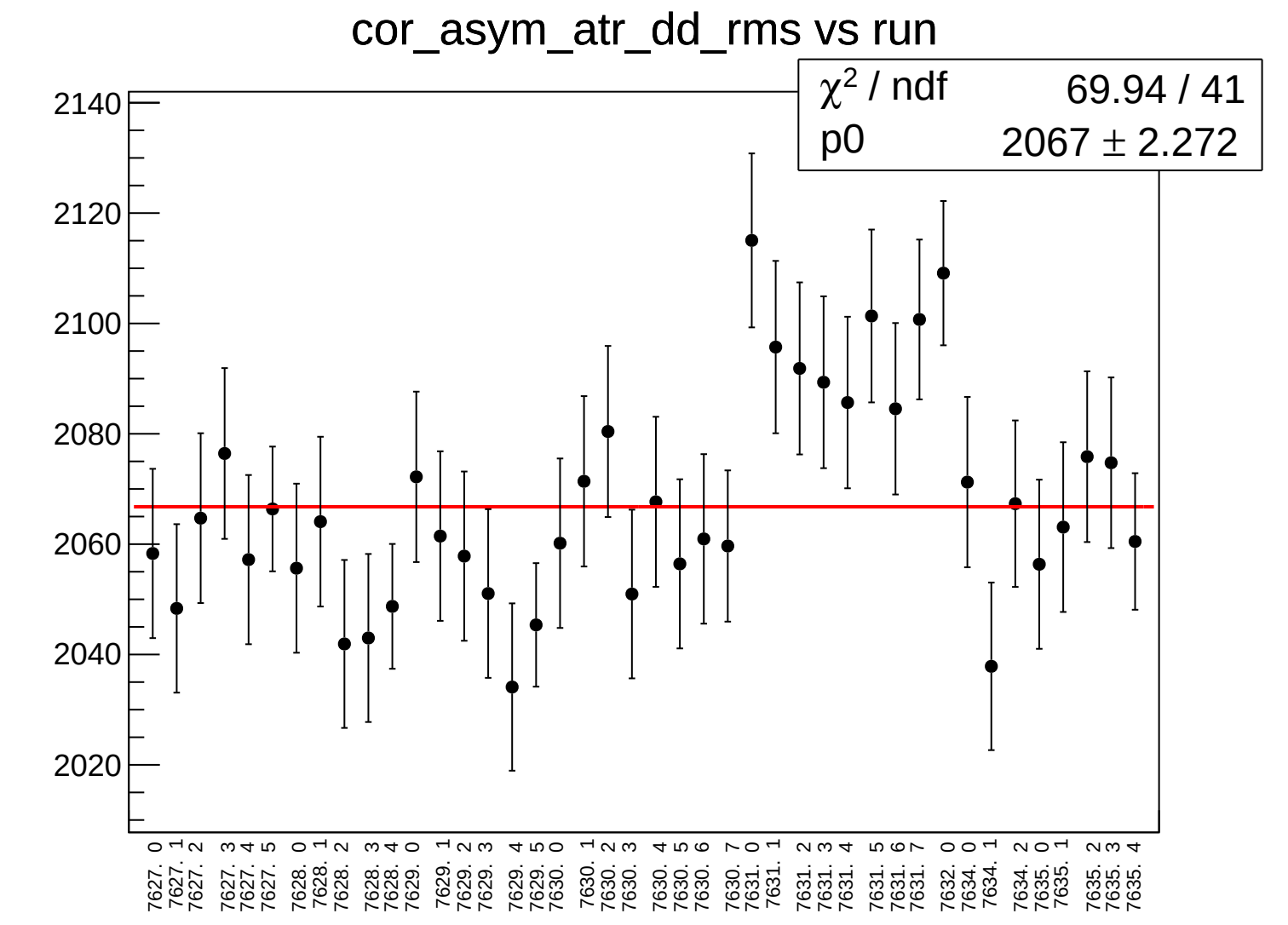

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 30.85 / 41
p0 −2.838e+04 ± 1.128e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 58.96
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

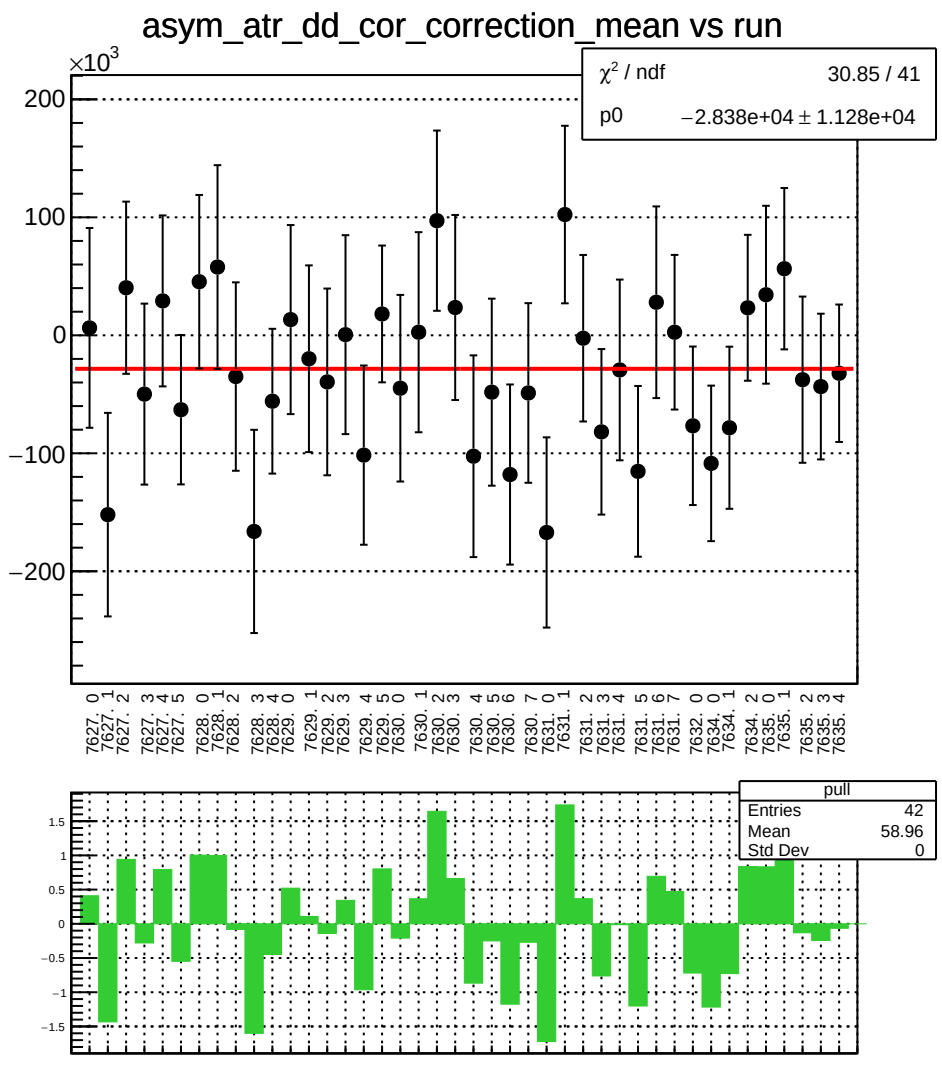

pull1D
Entries 42
Mean −0.006812
Std Dev 0.857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

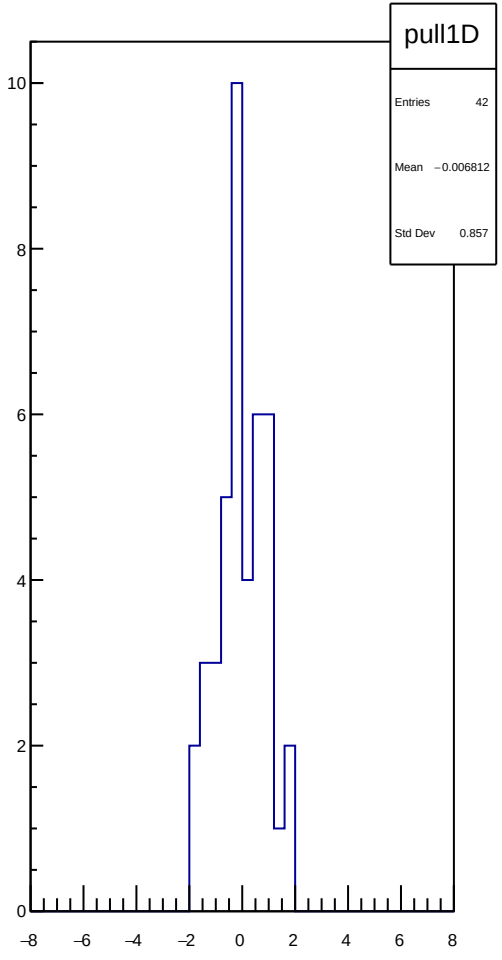

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 6248 / 41
p0 7229 ± 7.975
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

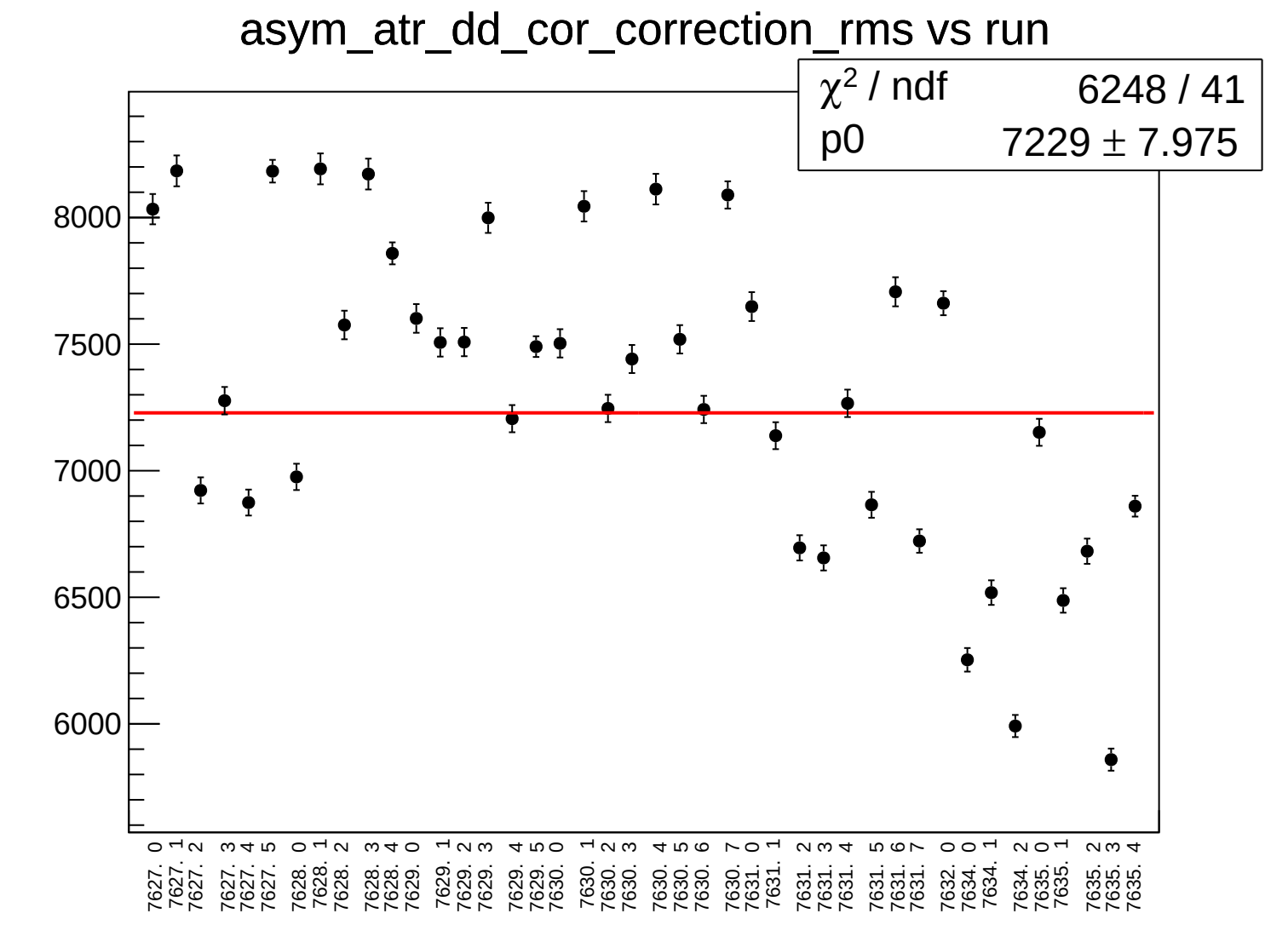

cor_asym_atr_dd_mean vs run
χ² / ndf 36.36 / 41
p0 −6961 ± 3213
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.03286
Std Dev 0.9299
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr_dd_rms vs run
χ² / ndf 69.94 / 41
p0 2067 ± 2.272
2140
2120
2100
2080
2060
2040
2020
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 30.85 / 41
p0 −2.838e+04 ± 1.128e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 58.96
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.006812
Std Dev 0.857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_cor_correction_rms vs run
χ² / ndf 6248 / 41
p0 7229 ± 7.975
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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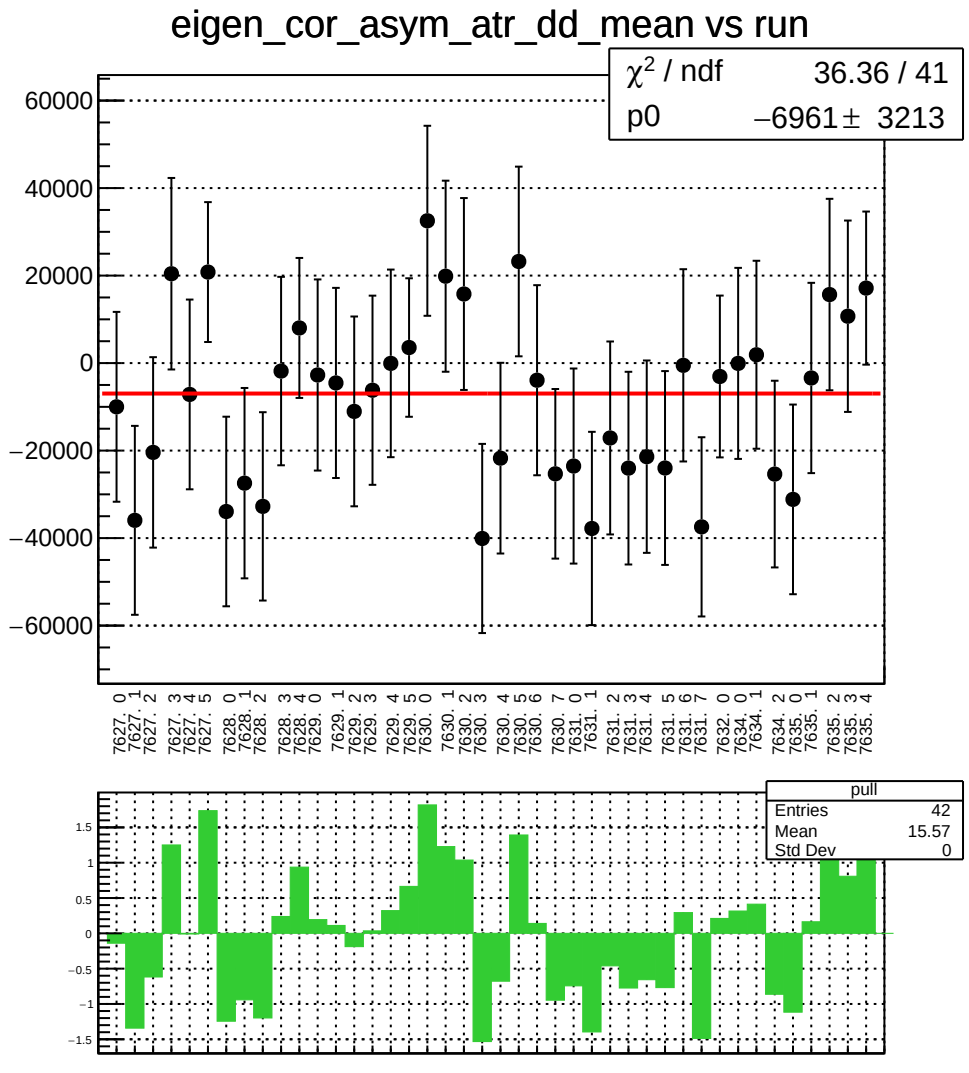
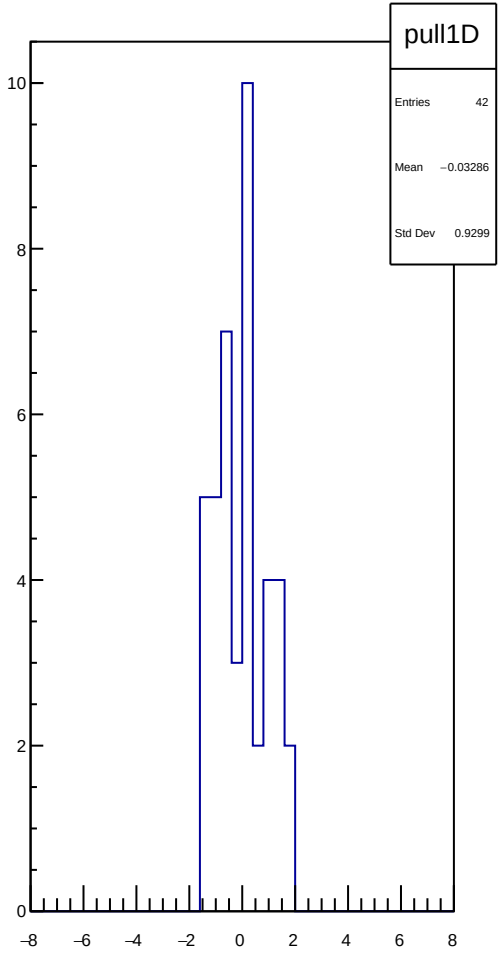
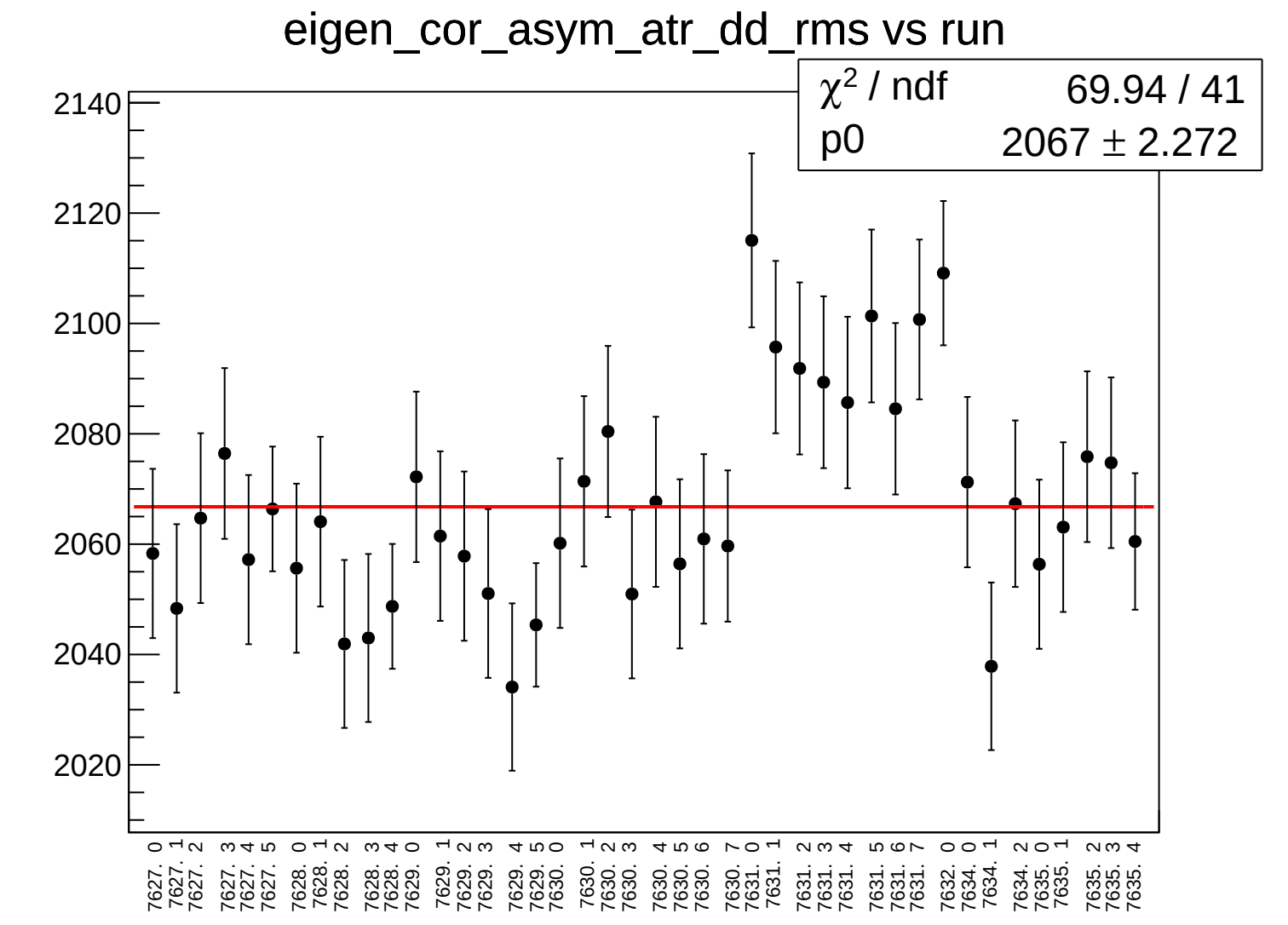
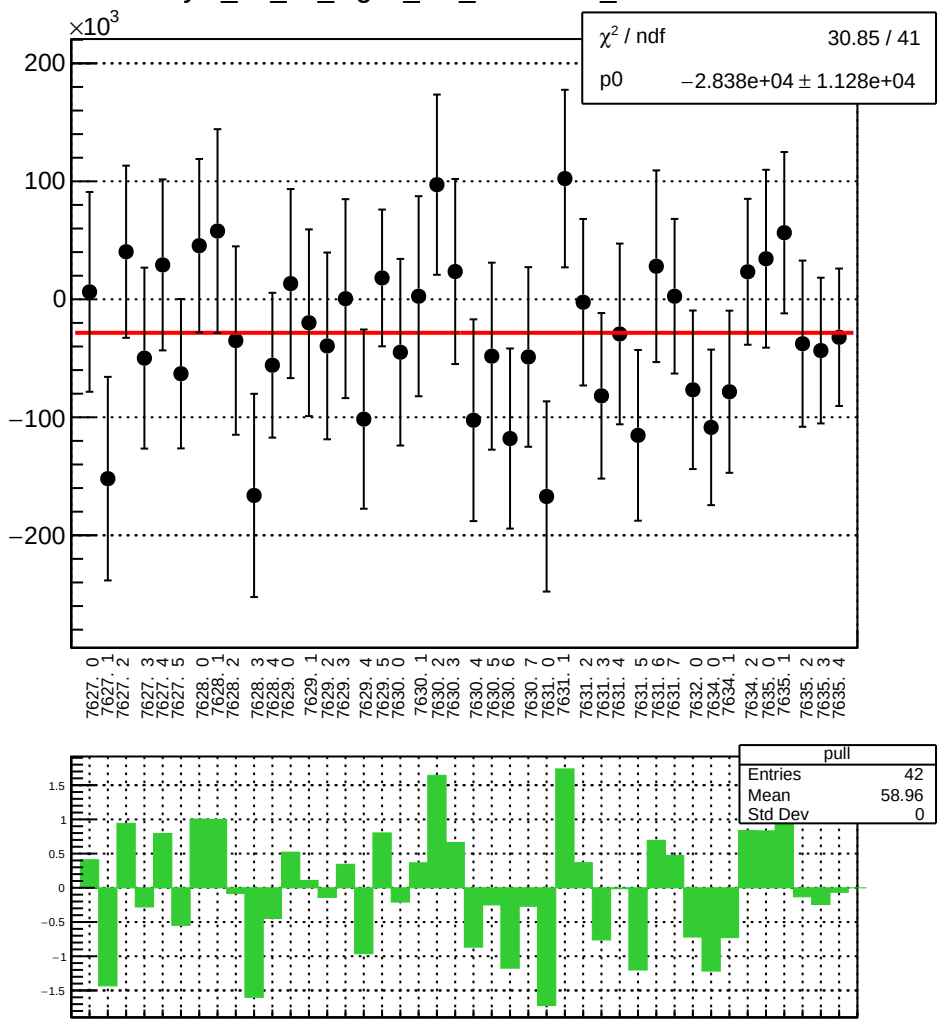
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 36.36 / 41
p0 −6961 ± 3213
pull
Entries 42
Mean 15.57
Std Dev 0


pull1D
Entries 42
Mean −0.03286
Std Dev 0.9299


eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 69.94 / 41
p0 2067 ± 2.272
2140
2120
2100
2080
2060
2040
2020
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.85 / 41
p0 −2.838e+04 ± 1.128e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 5
7630. 0
7630. 1
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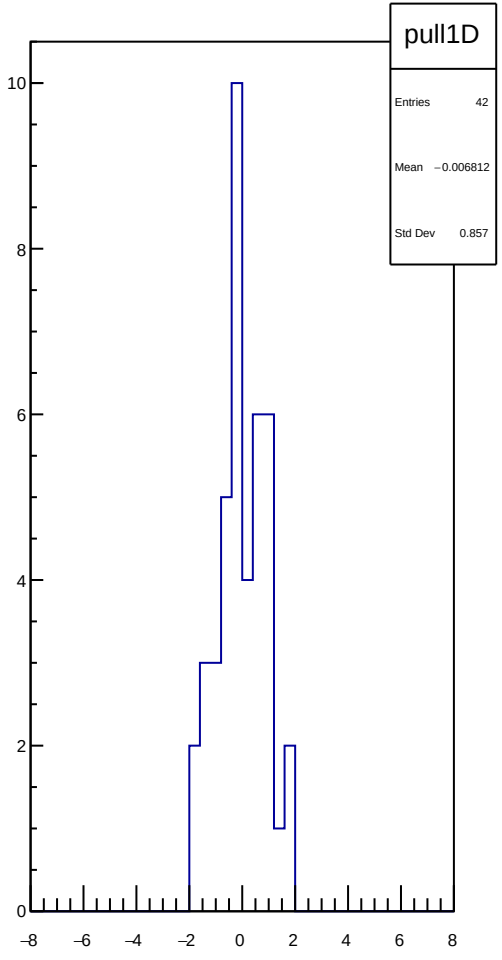
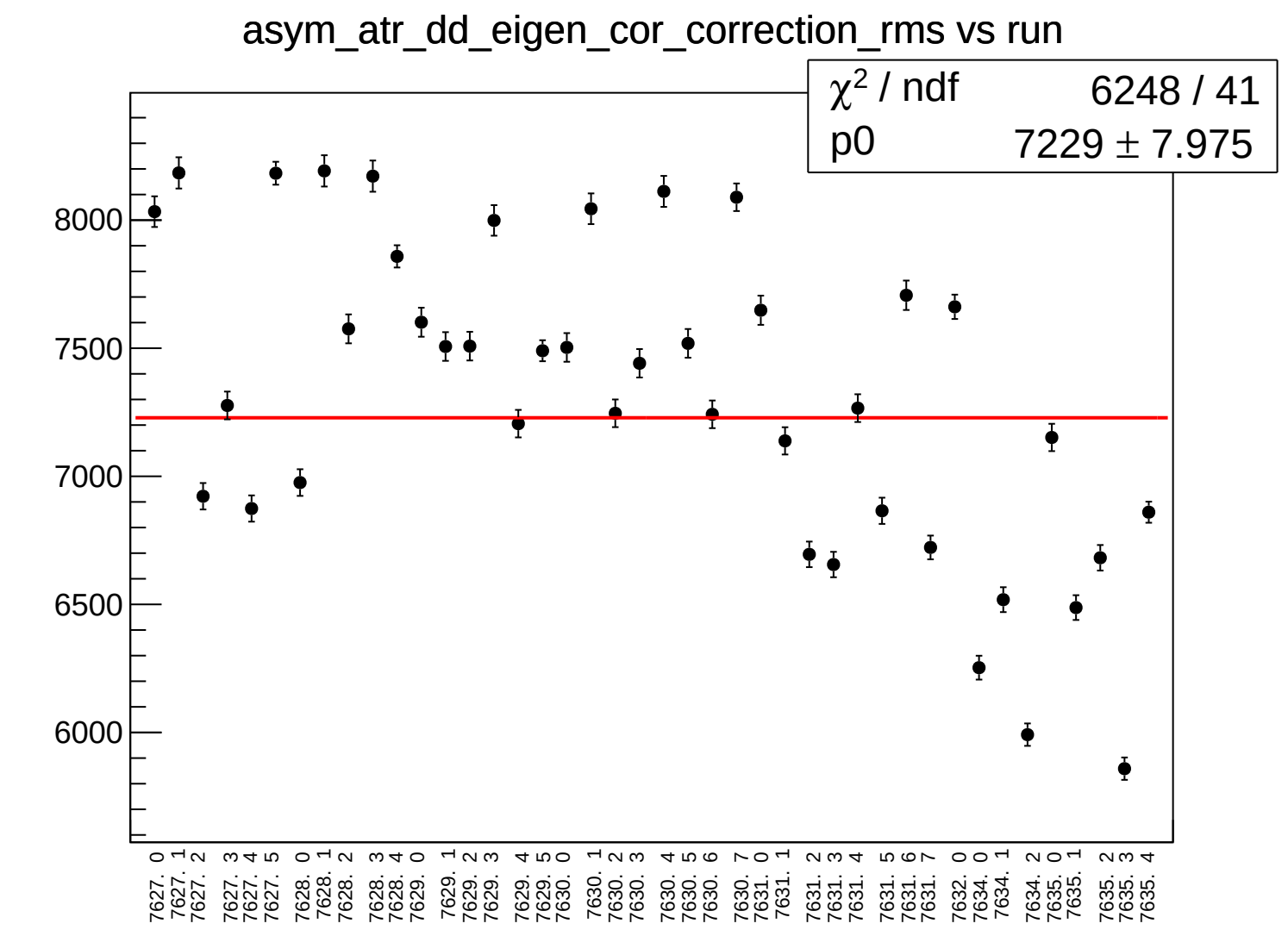
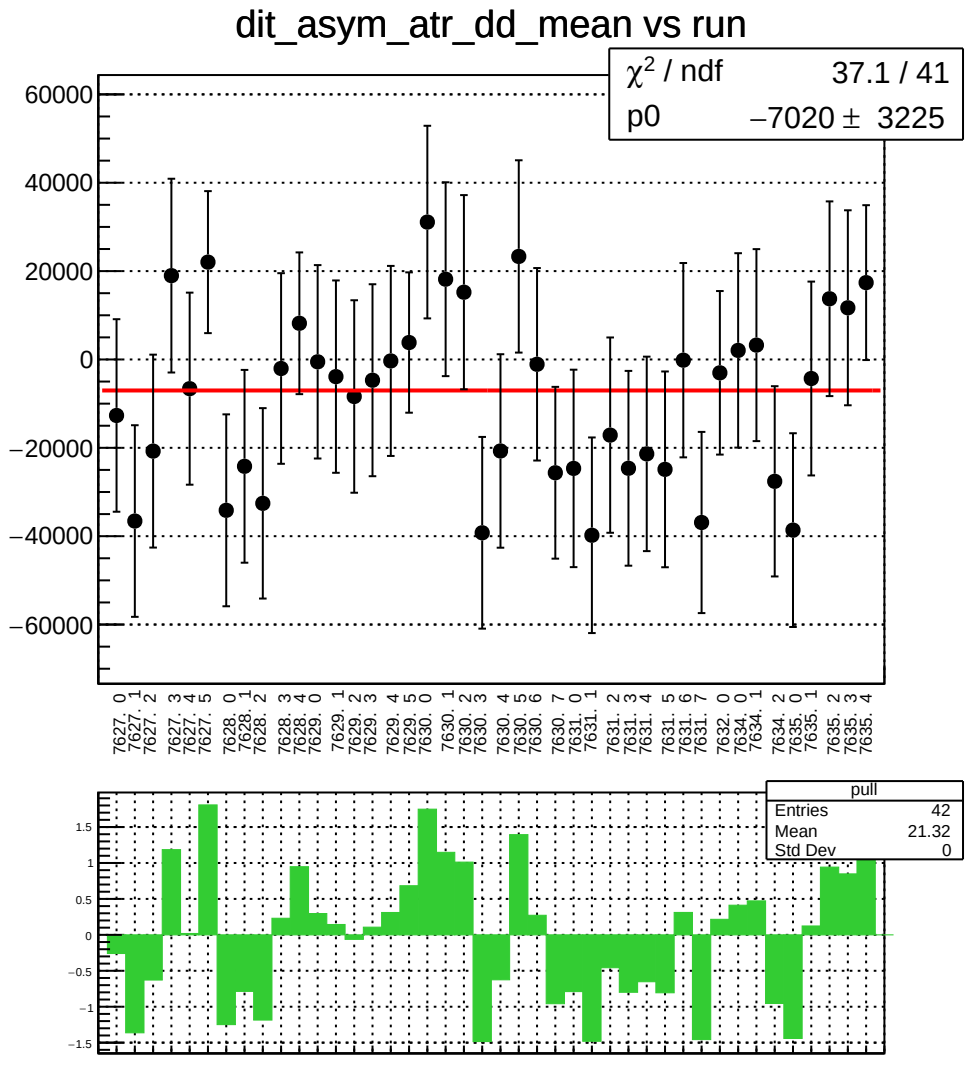
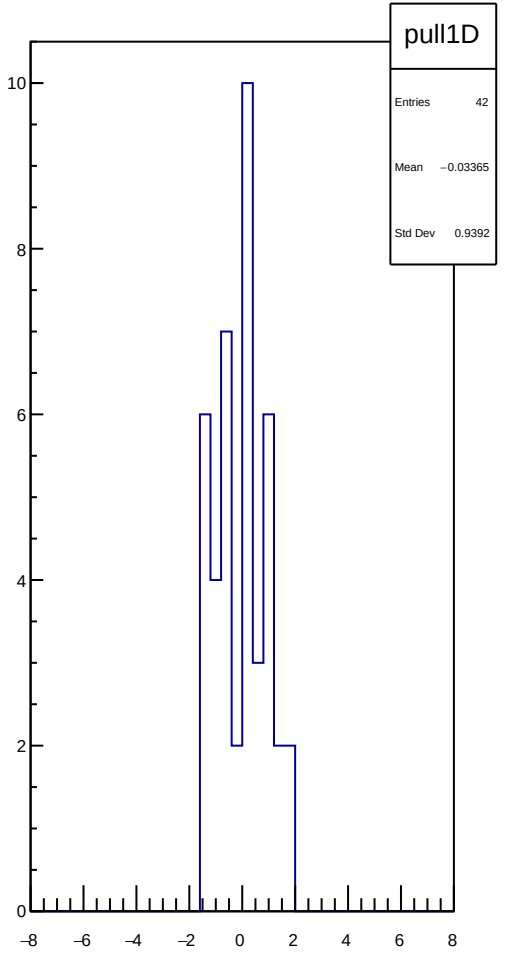
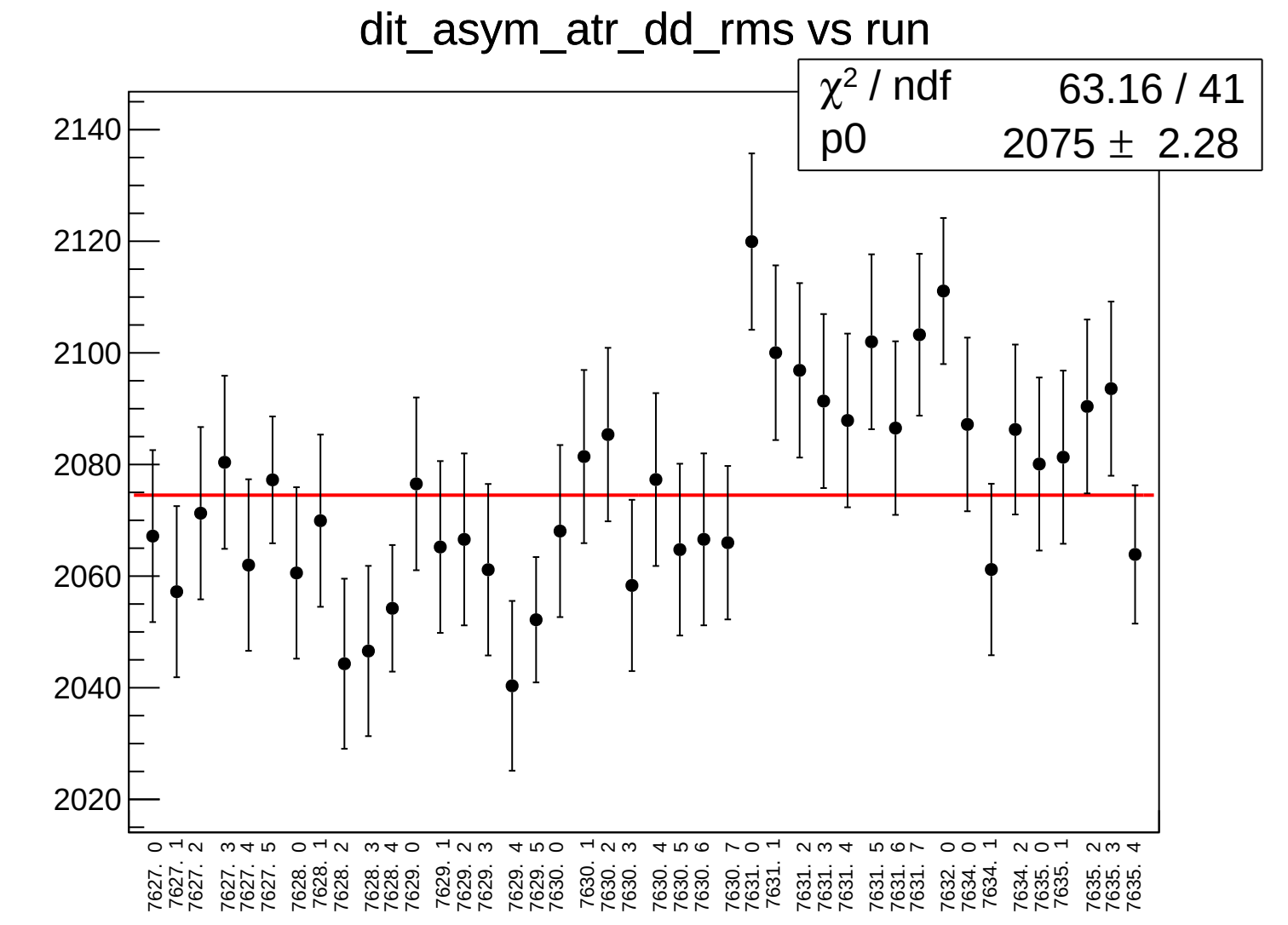
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 58.96
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

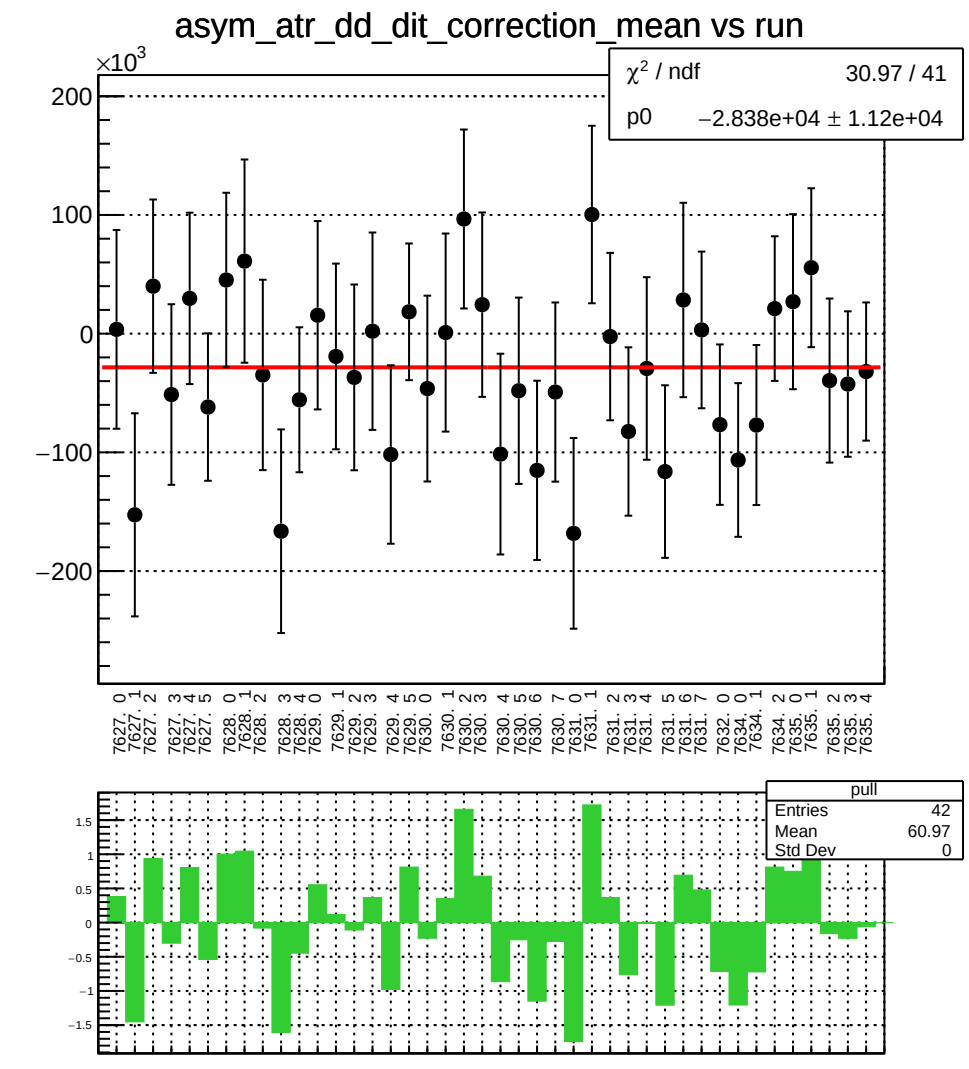

pull1D
Entries 42
Mean −0.006812
Std Dev 0.857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

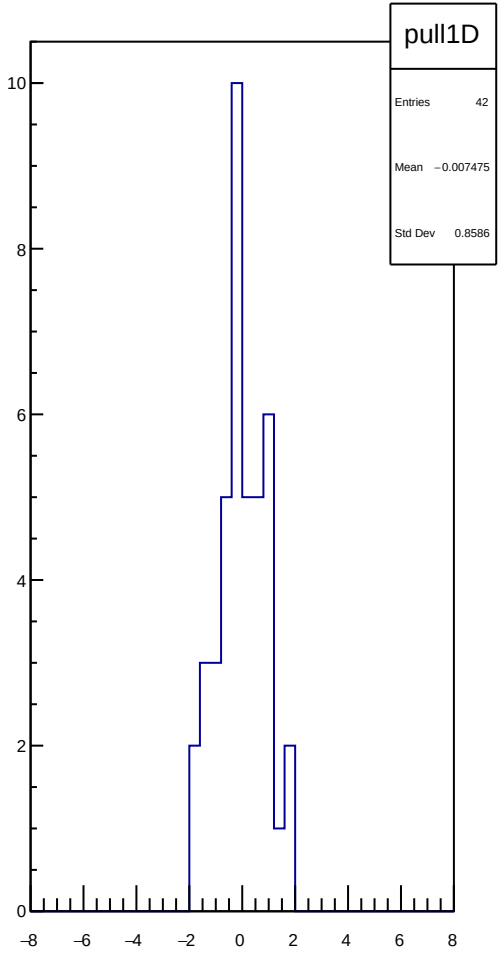

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 6248 / 41
p0 7229 ± 7.975
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

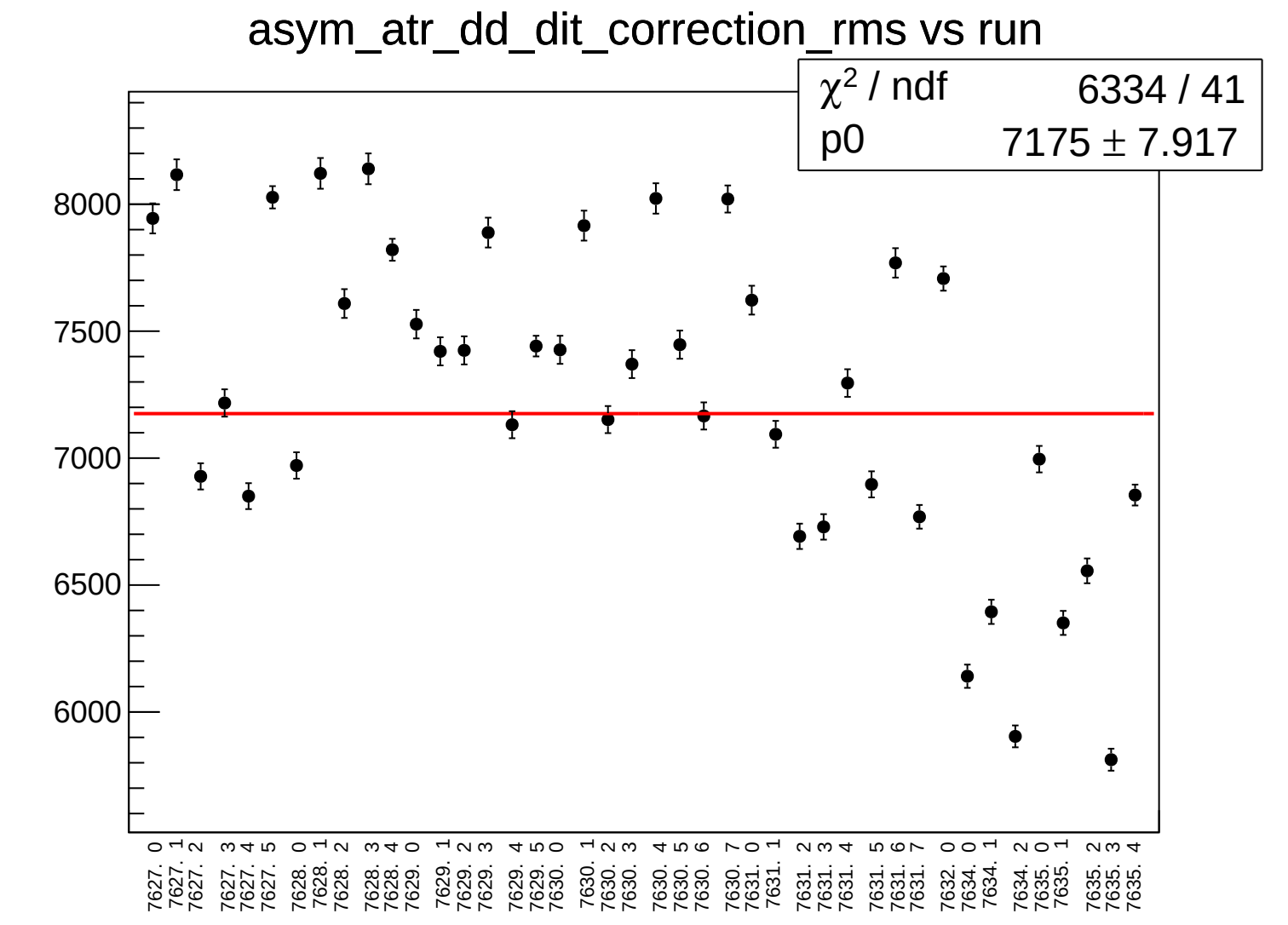

dit_asym_atr_dd_mean vs run
χ² / ndf 37.1 / 41
p0 −7020 ± 3225
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

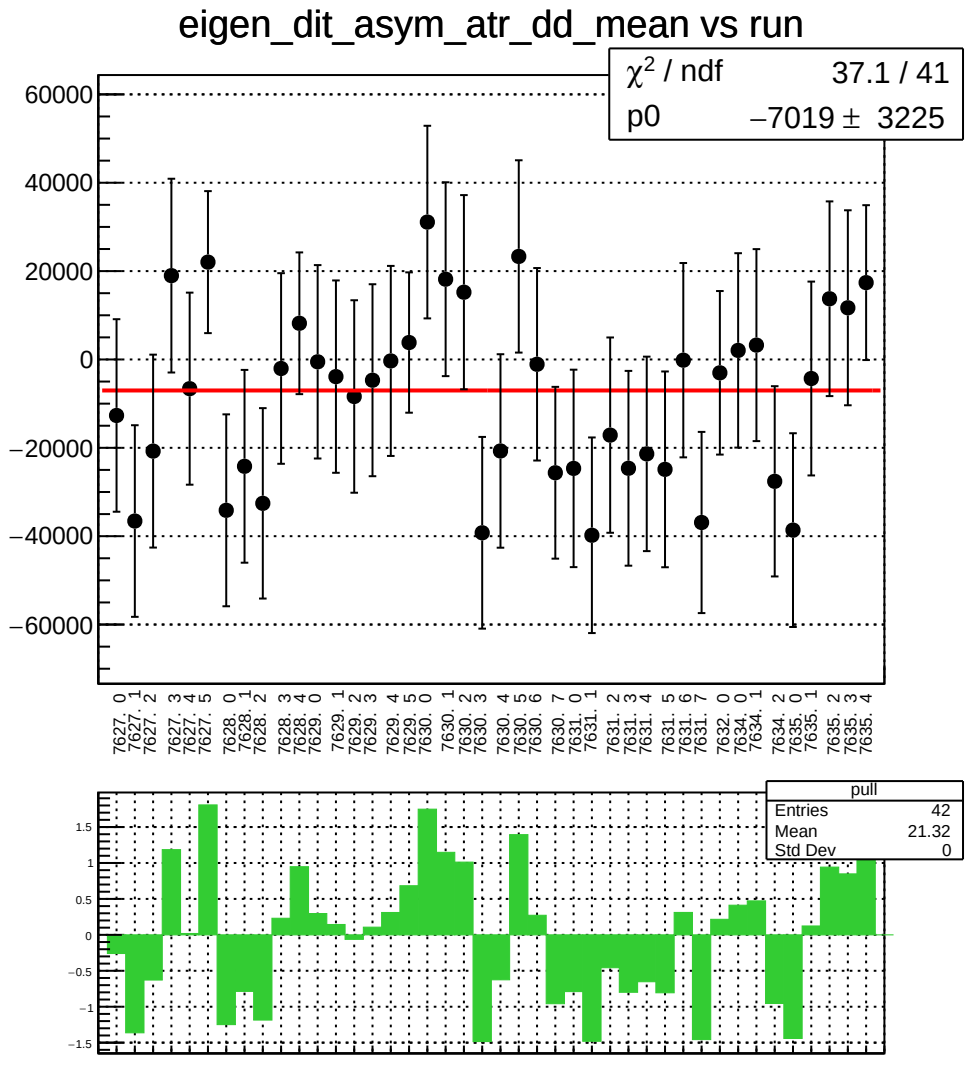

pull1D
Entries 42
Mean −0.03365
Std Dev 0.9392
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

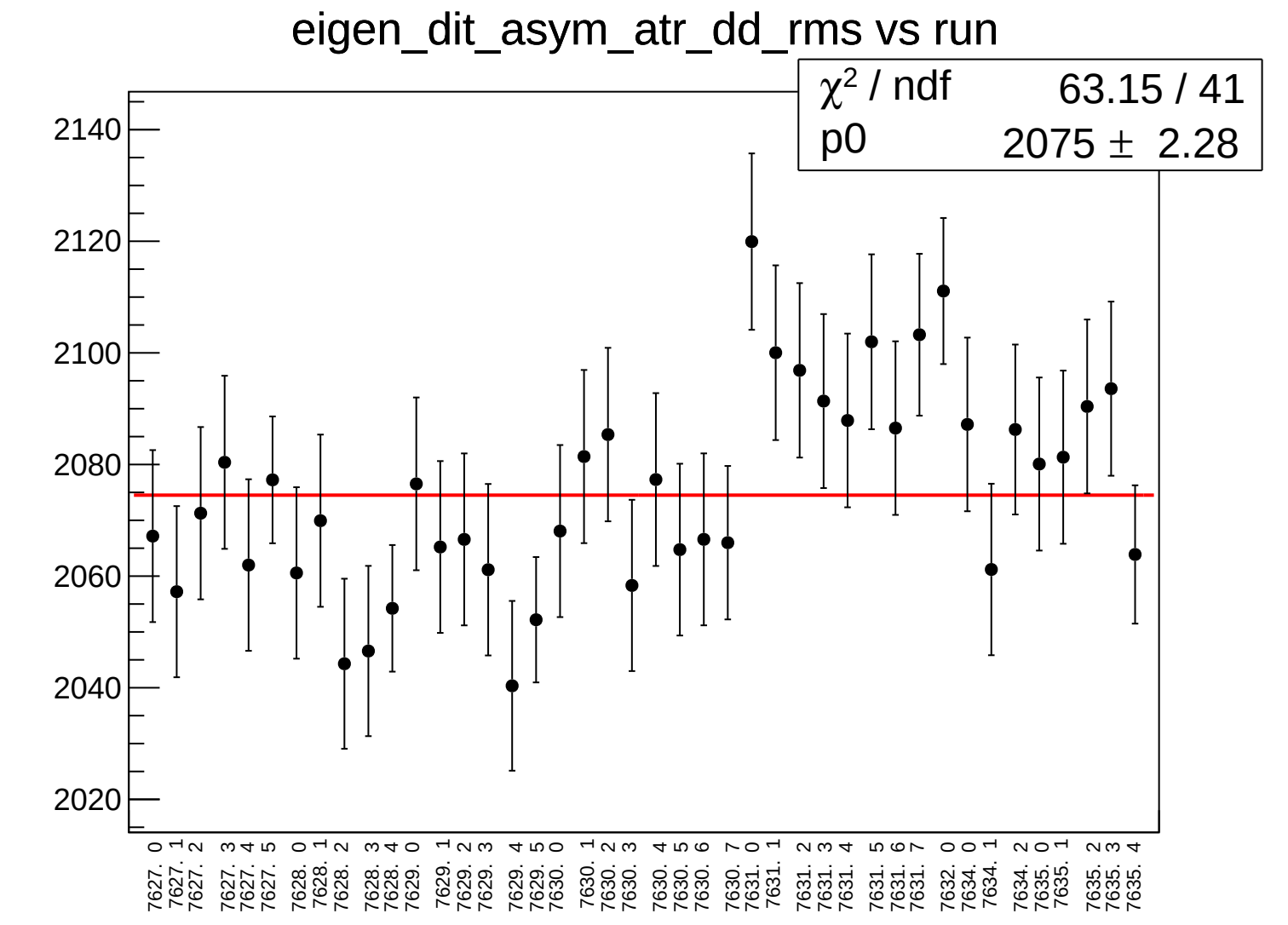

dit_asym_atr_dd_rms vs run
χ² / ndf 63.16 / 41
p0 2075 ± 2.28
2140
2120
2100
2080
2060
2040
2020
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

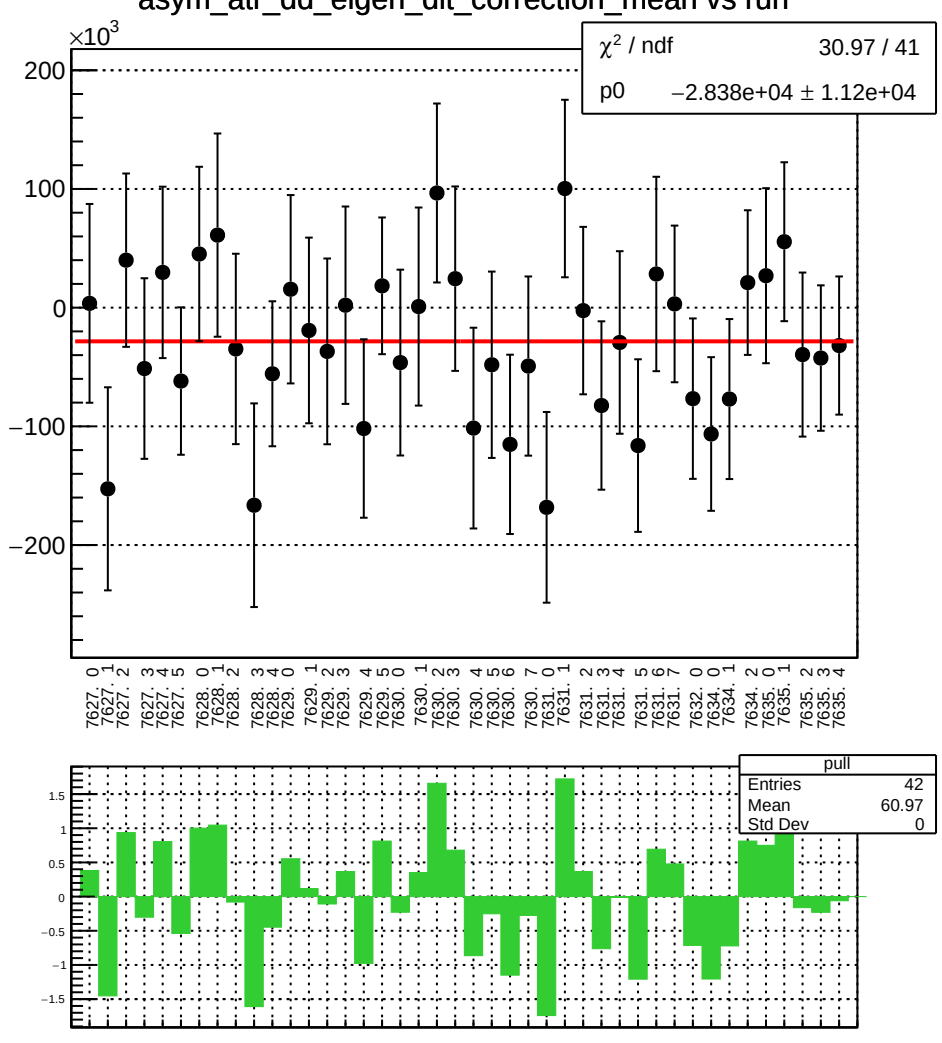

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 30.97 / 41
p0 −2.838e+04 ± 1.12e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 60.97
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

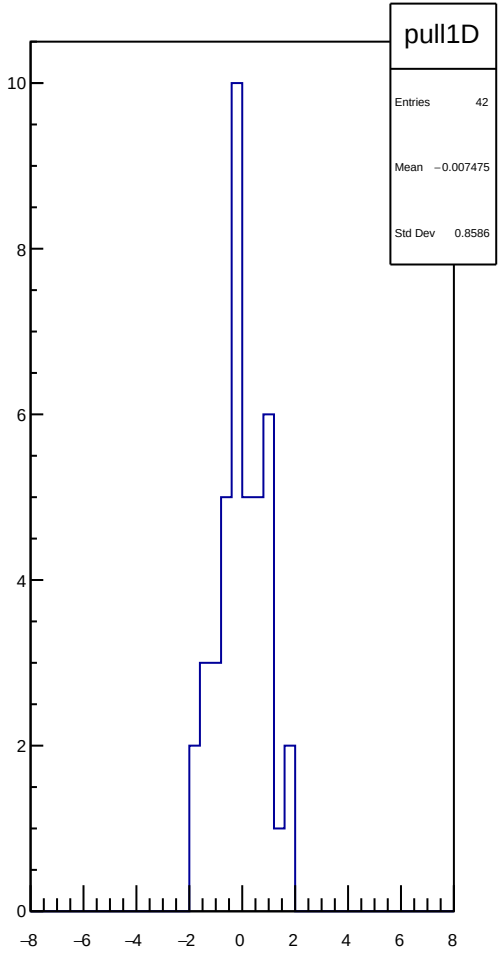

pull1D
Entries 42
Mean −0.007475
Std Dev 0.8586
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

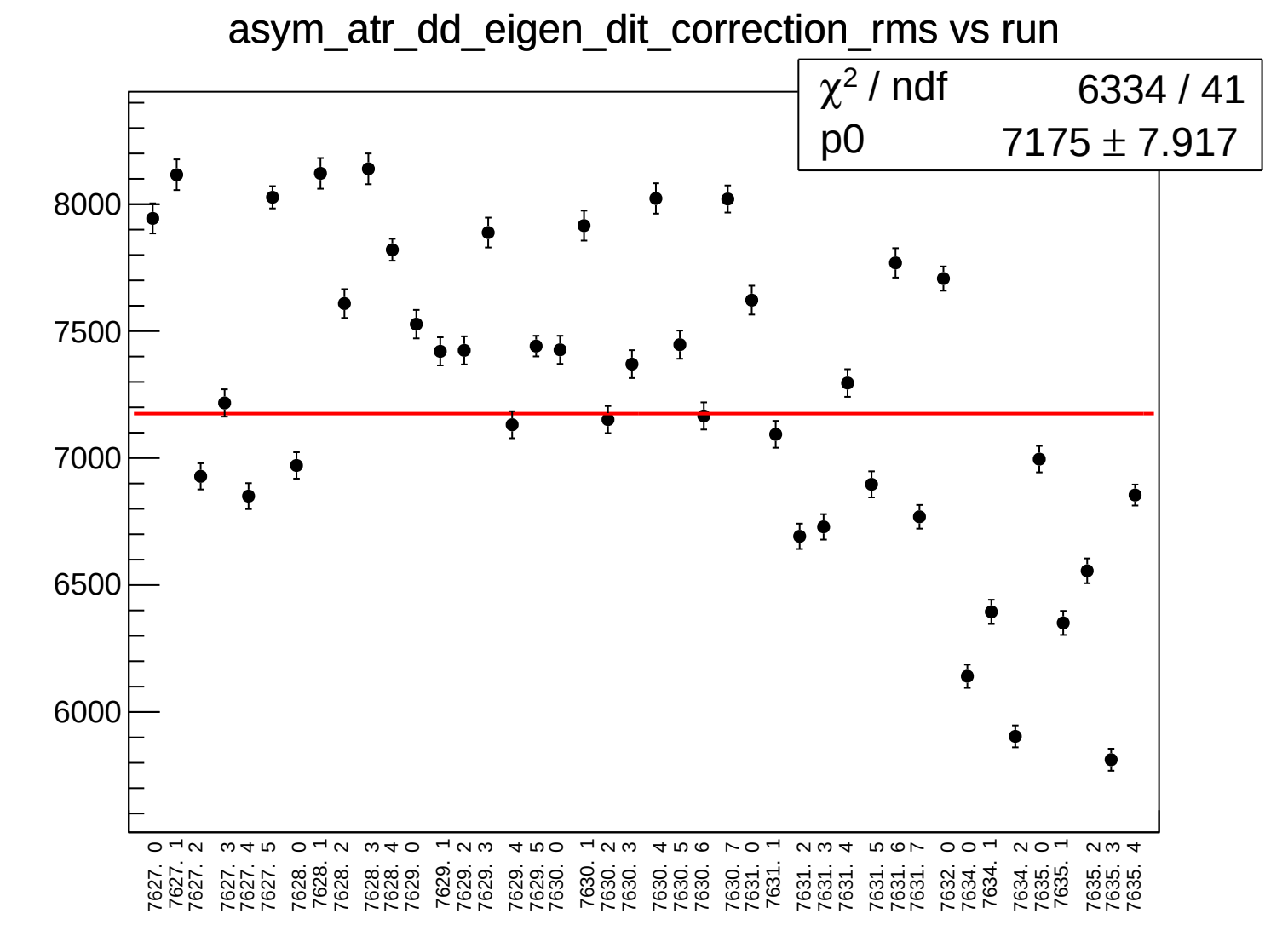

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 6334 / 41
p0 7175 ± 7.917
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

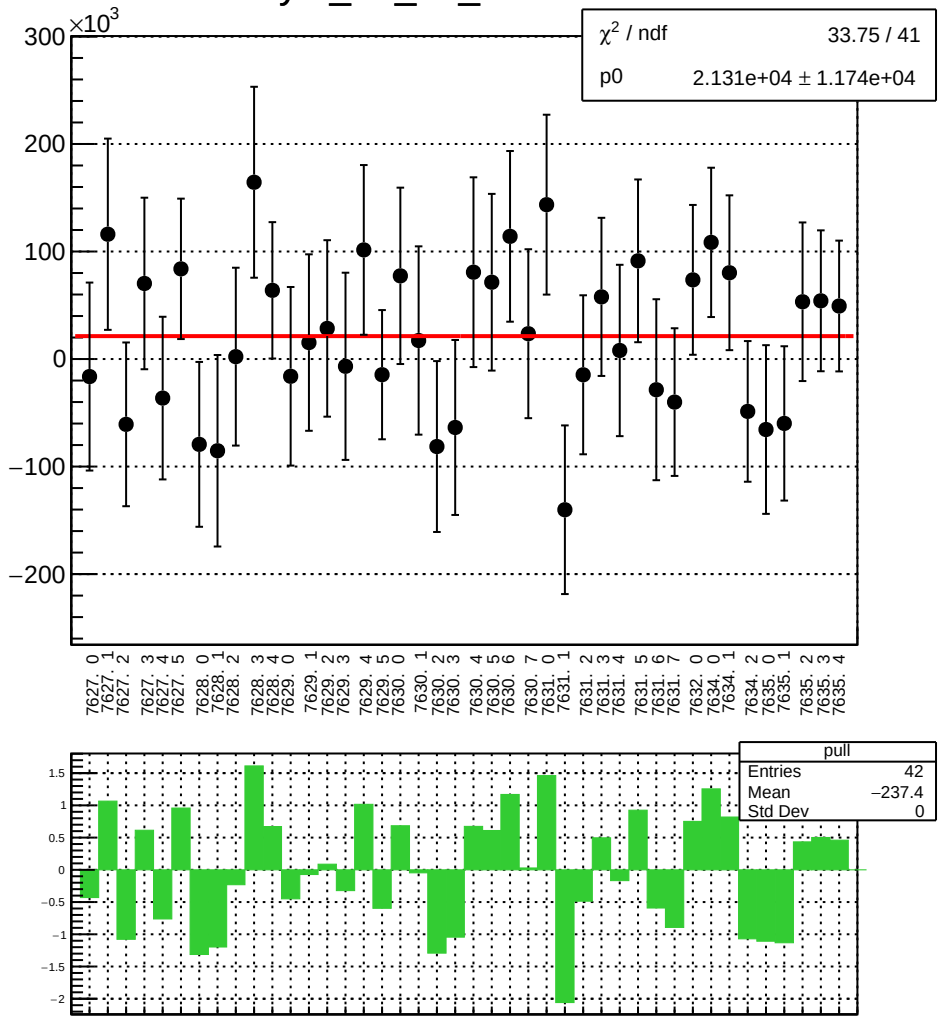

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 37.1 / 41
p0 −7019 ± 3225
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03365
Std Dev 0.9392
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

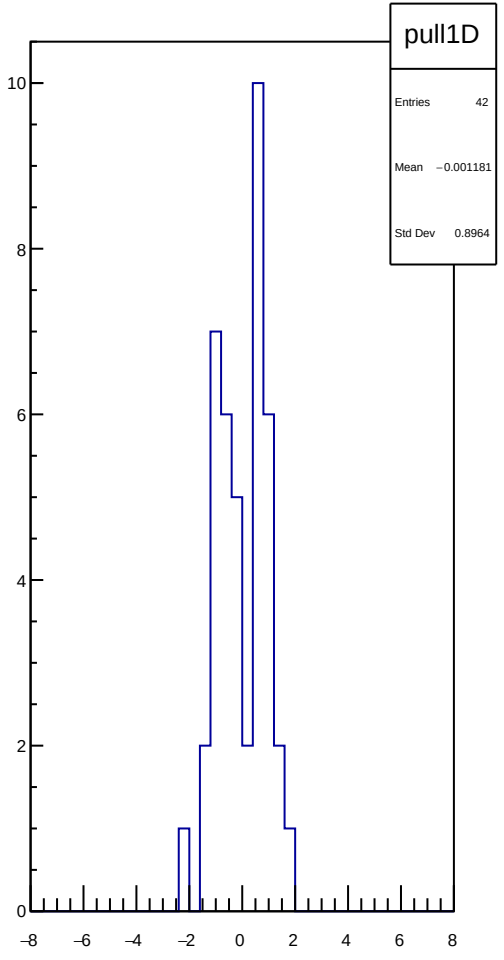

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 63.15 / 41
p0 2075 ± 2.28
2140
2120
2100
2080
2060
2040
2020
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

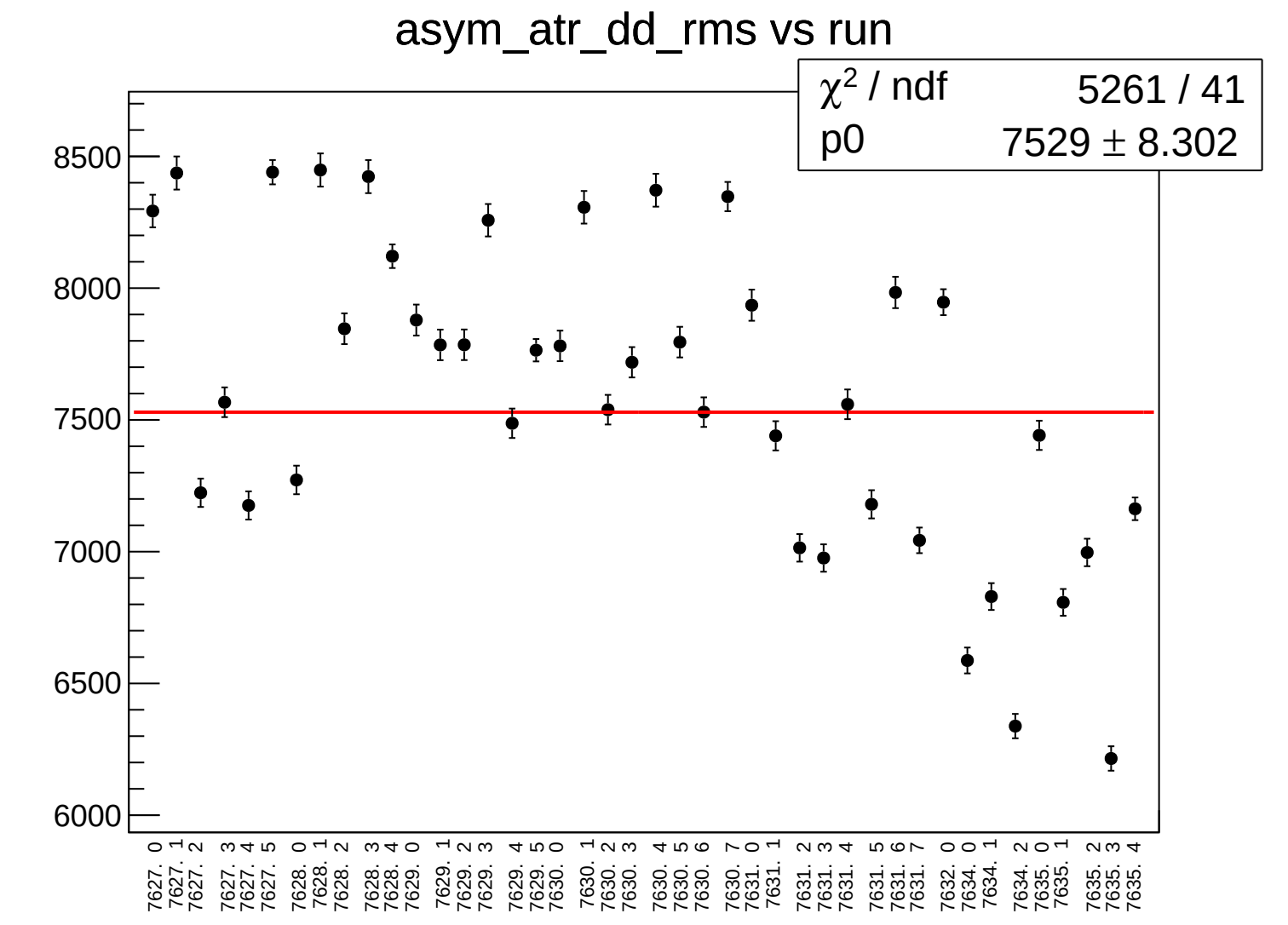

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.97 / 41
p0 −2.838e+04 ± 1.12e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 60.97
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

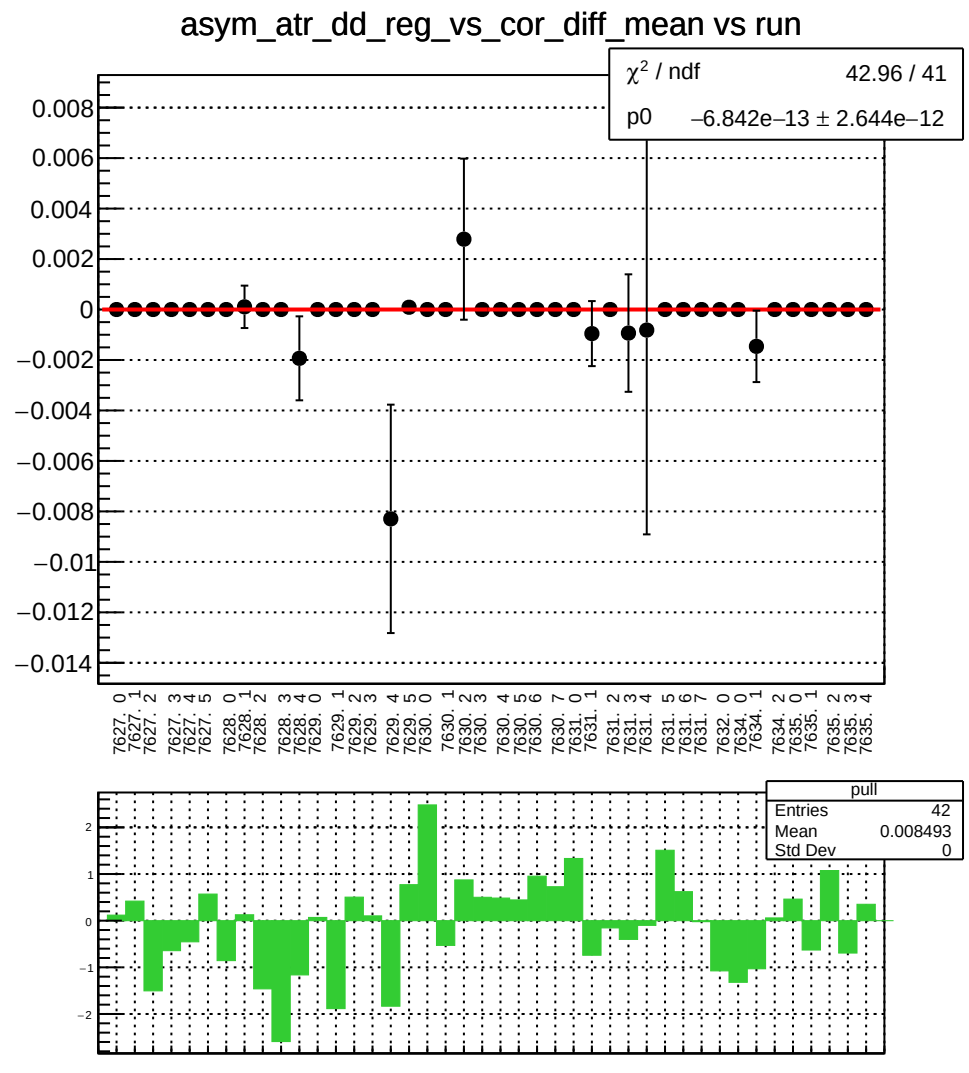

pull1D
Entries 42
Mean −0.007475
Std Dev 0.8586
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

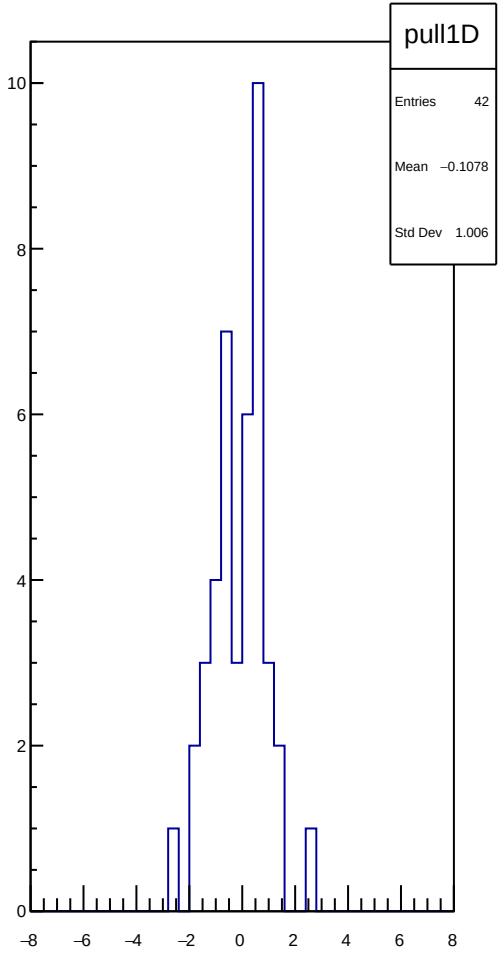

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 6334 / 41
p0 7175 ± 7.917
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

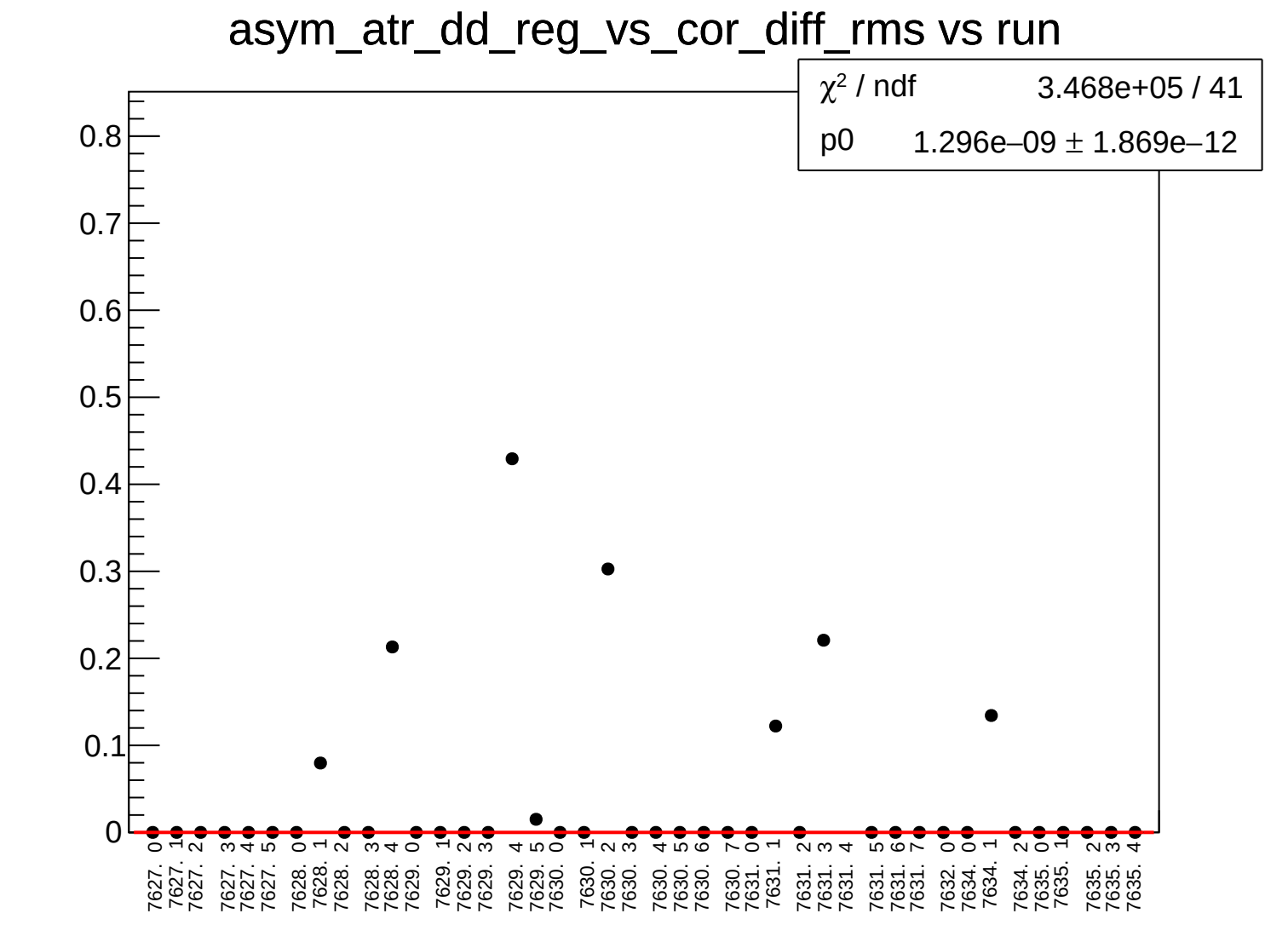

asym_atr_dd_mean vs run
×10^3
χ² / ndf 33.75 / 41
p0 2.131e+04 ± 1.174e+04
pull
Entries 42
Mean −237.4
Std Dev 0

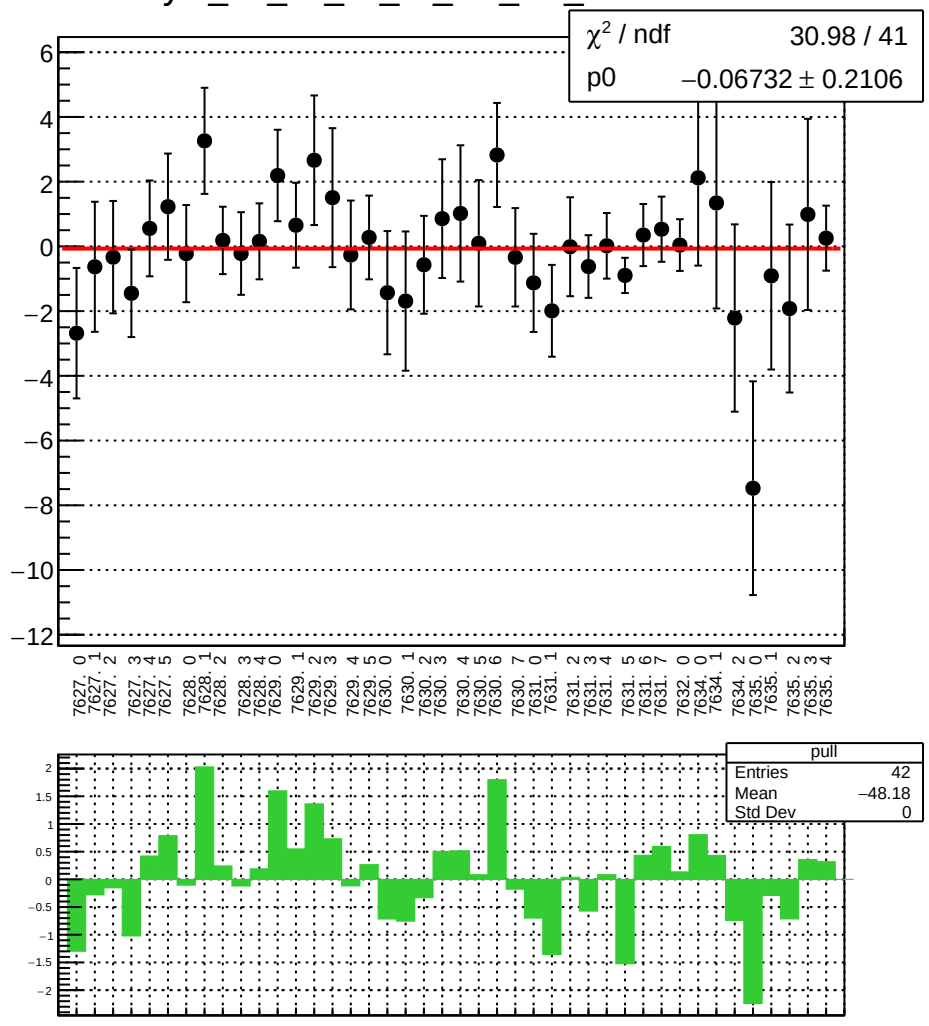

pull1D
Entries 42
Mean −0.001181
Std Dev 0.8964

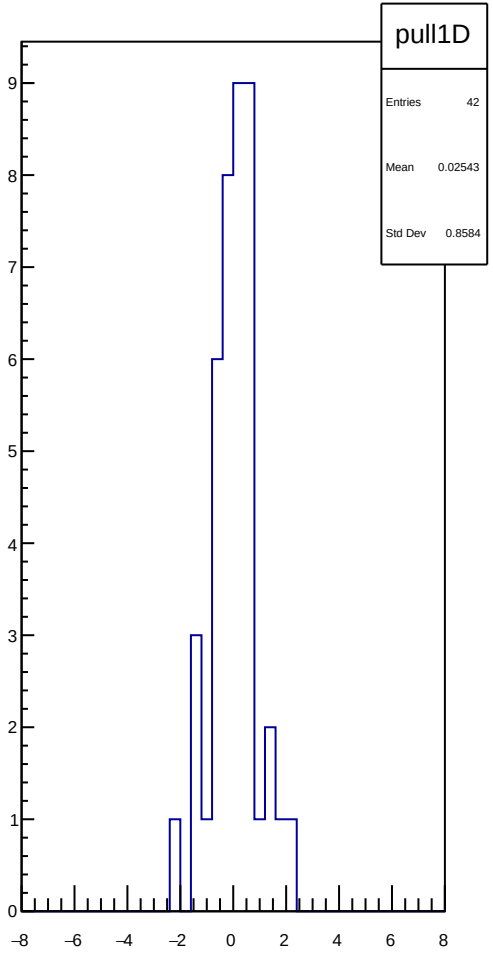

asym_atr_dd_rms vs run
χ² / ndf 5261 / 41
p0 7529 ± 8.302
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

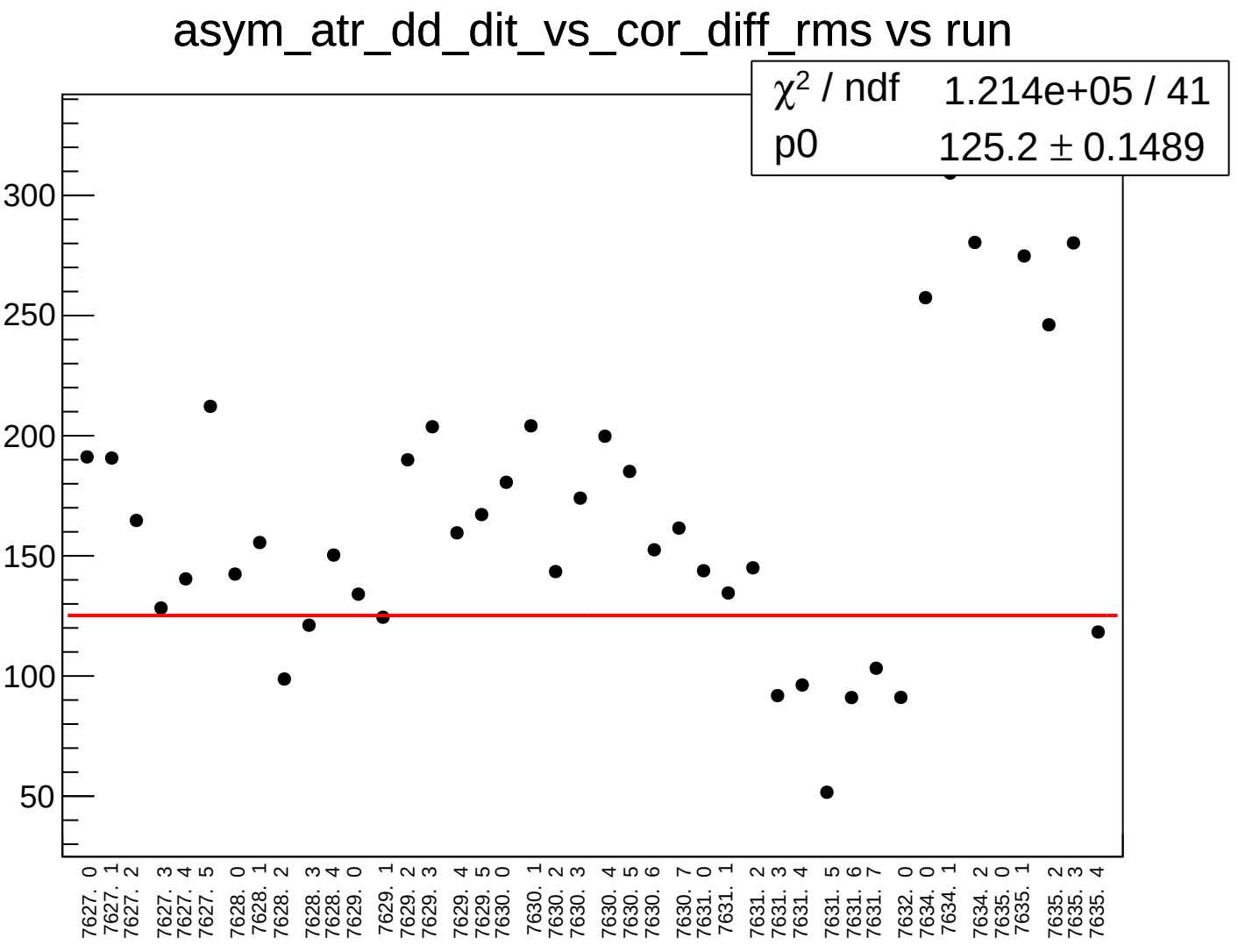

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.96 / 41
p0 −6.842e−13 ± 2.644e−12
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
−0.014
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.008493
Std Dev 0
2
1
0
−1
−2

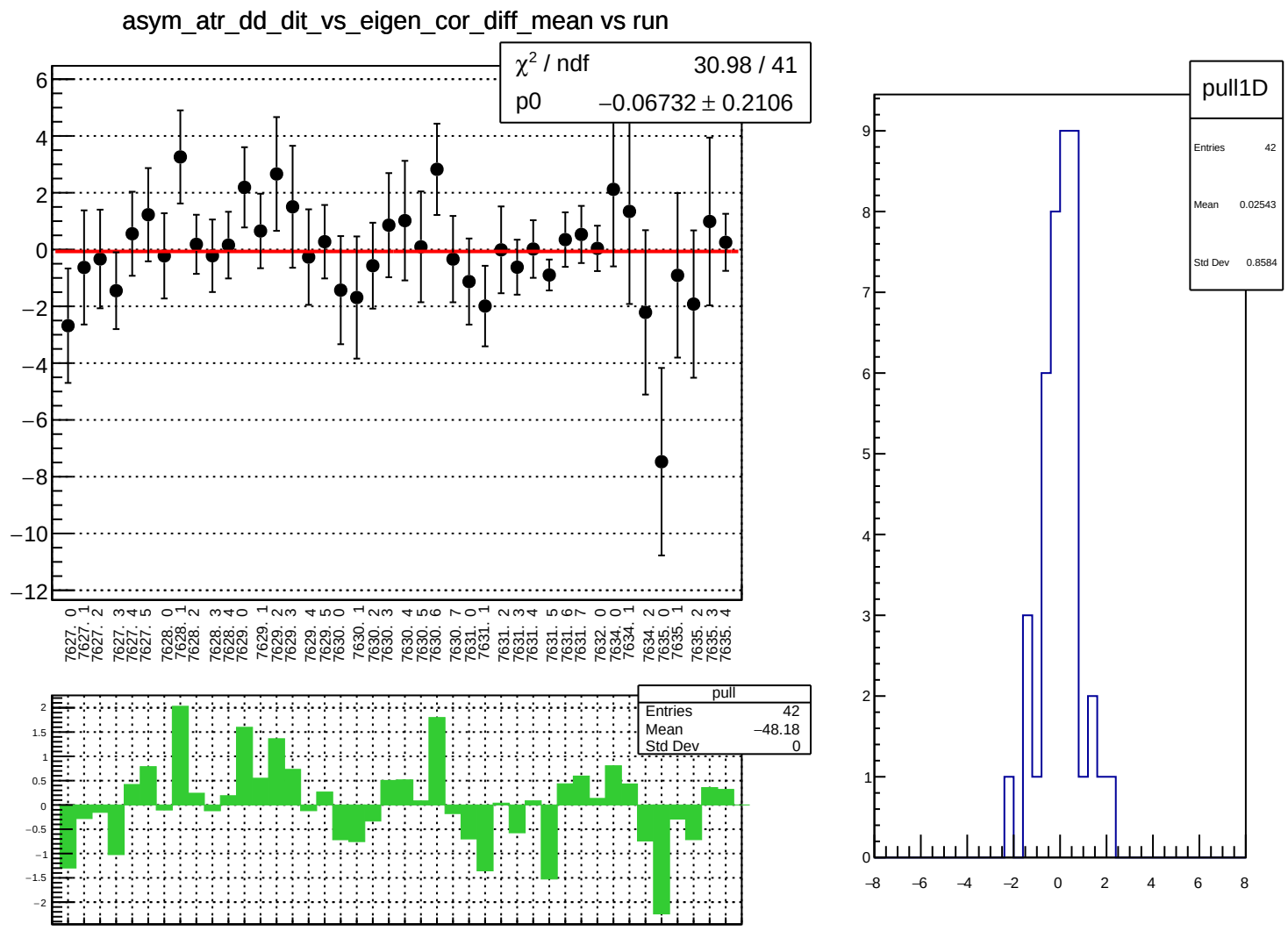

pull1D
Entries 42
Mean −0.1078
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

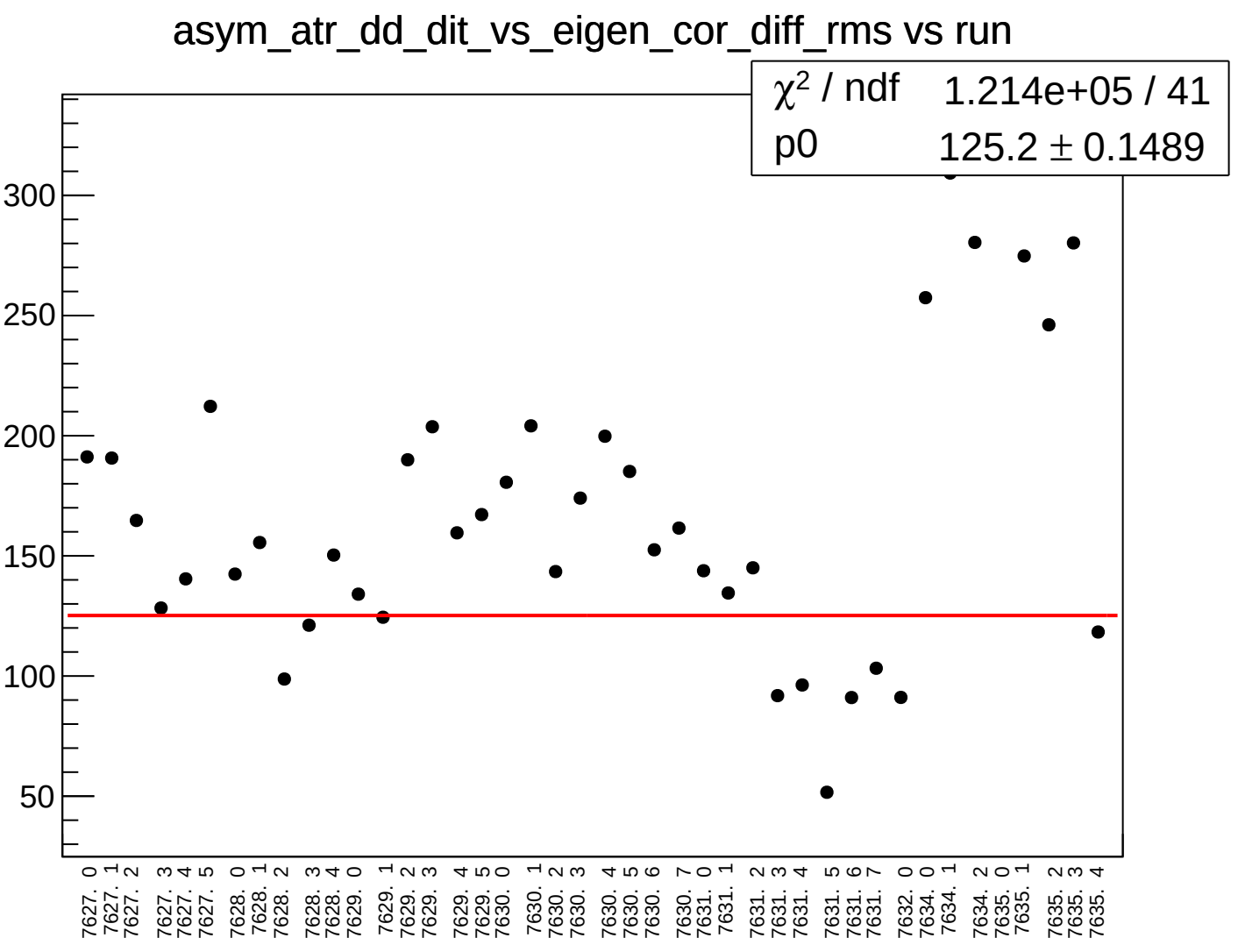

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.468e+05 / 41
p0 1.296e−09 ± 1.869e−12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

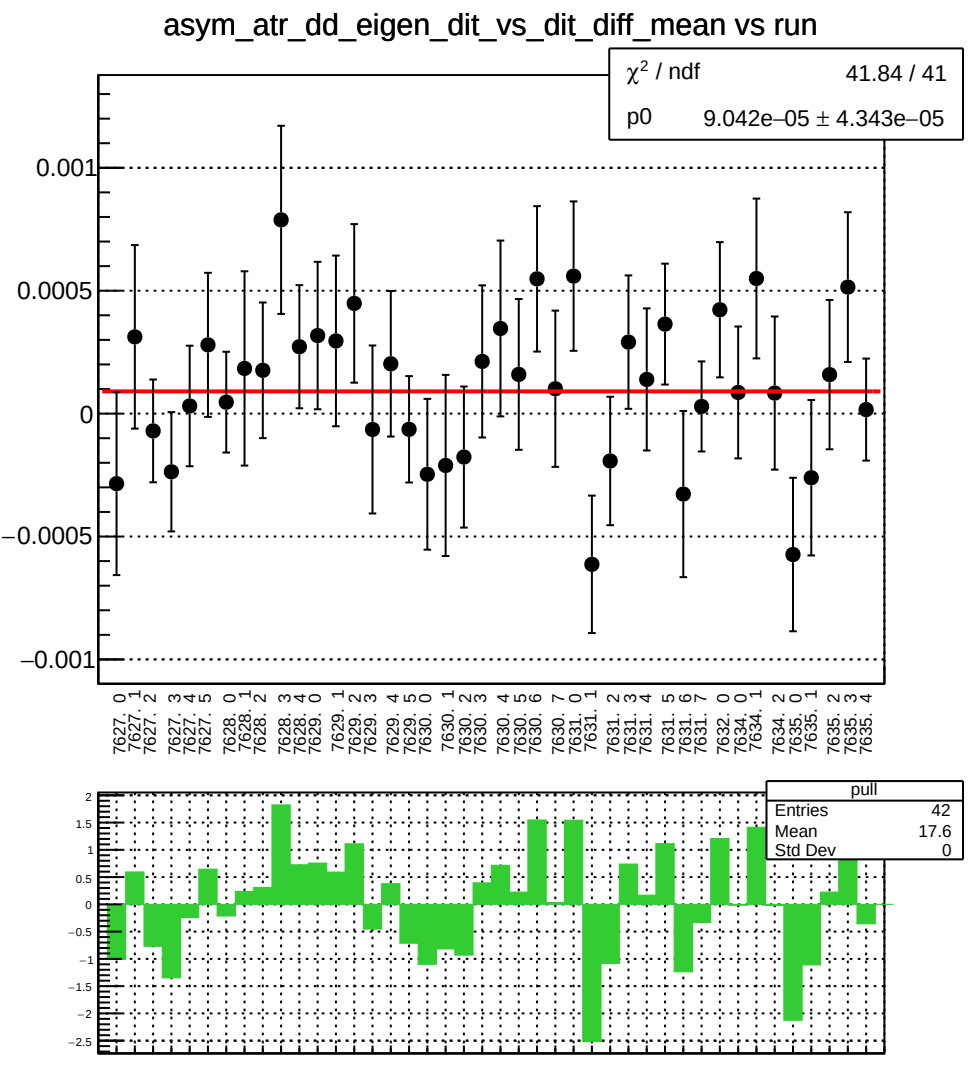

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 30.98 / 41
p0 −0.06732 ± 0.2106
pull
Entries 42
Mean −48.18
Std Dev 0

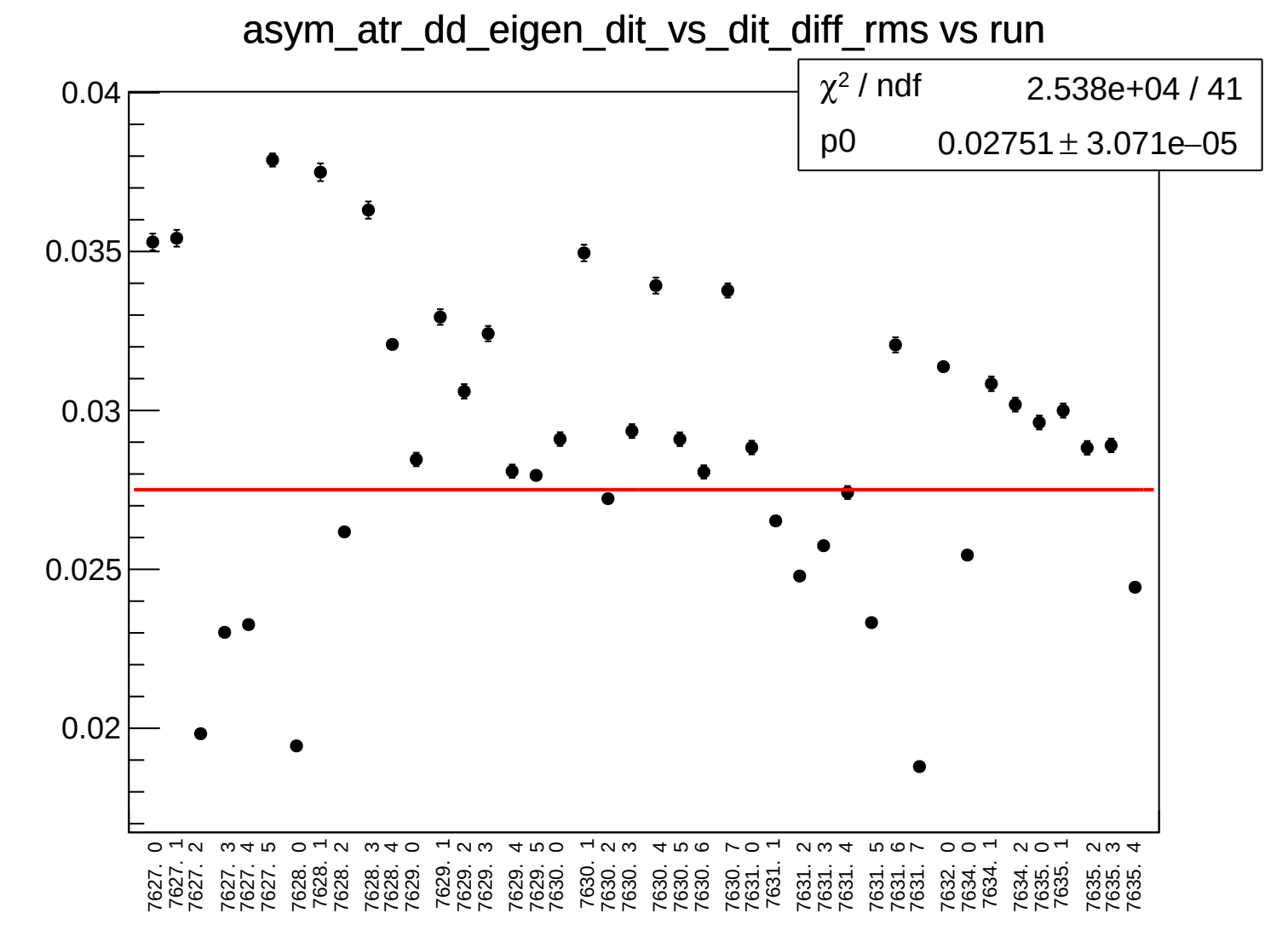

pull1D
Entries 42
Mean 0.02543
Std Dev 0.8584

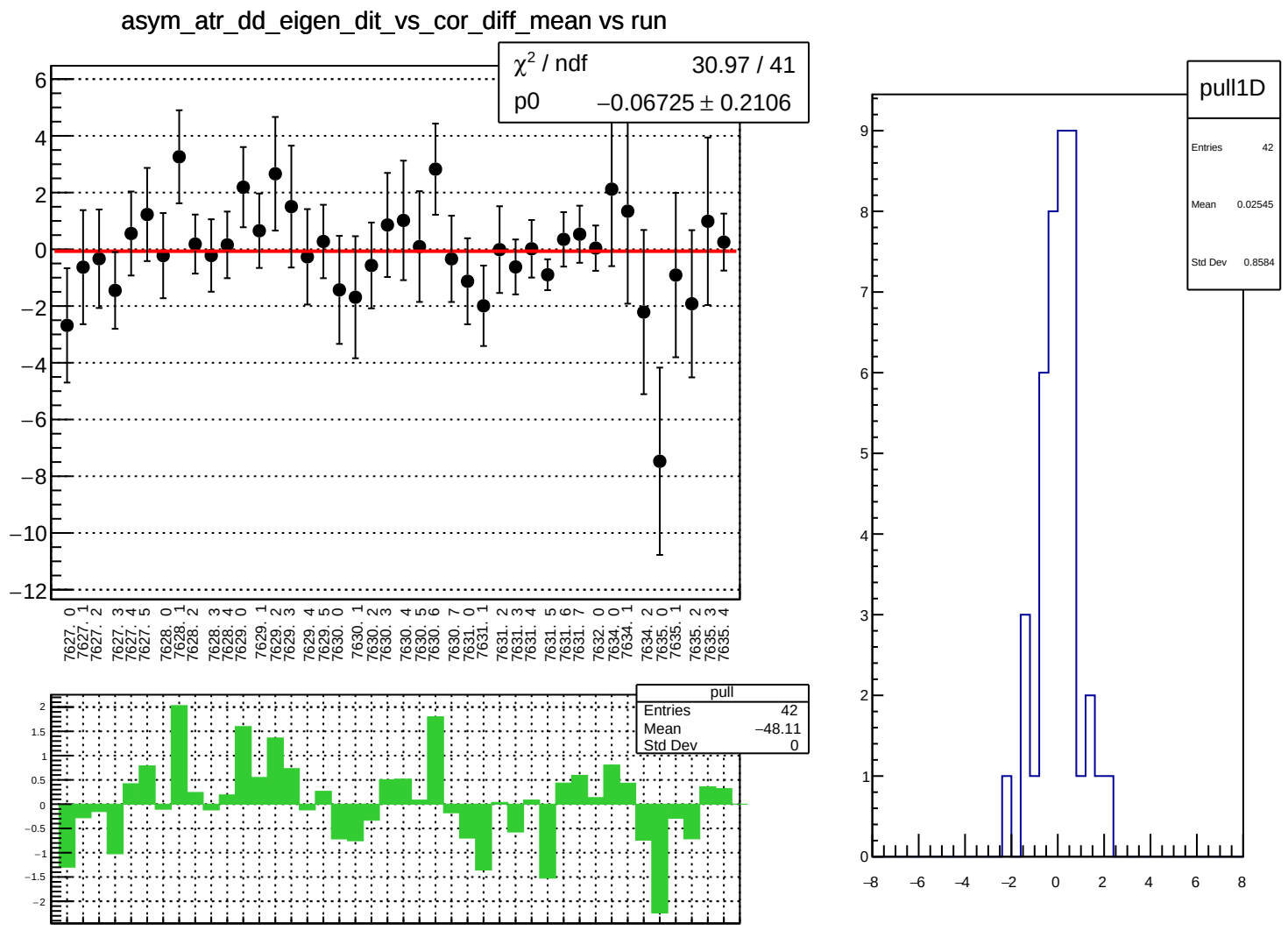

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.214e+05 / 41
p0 125.2 ± 0.1489
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

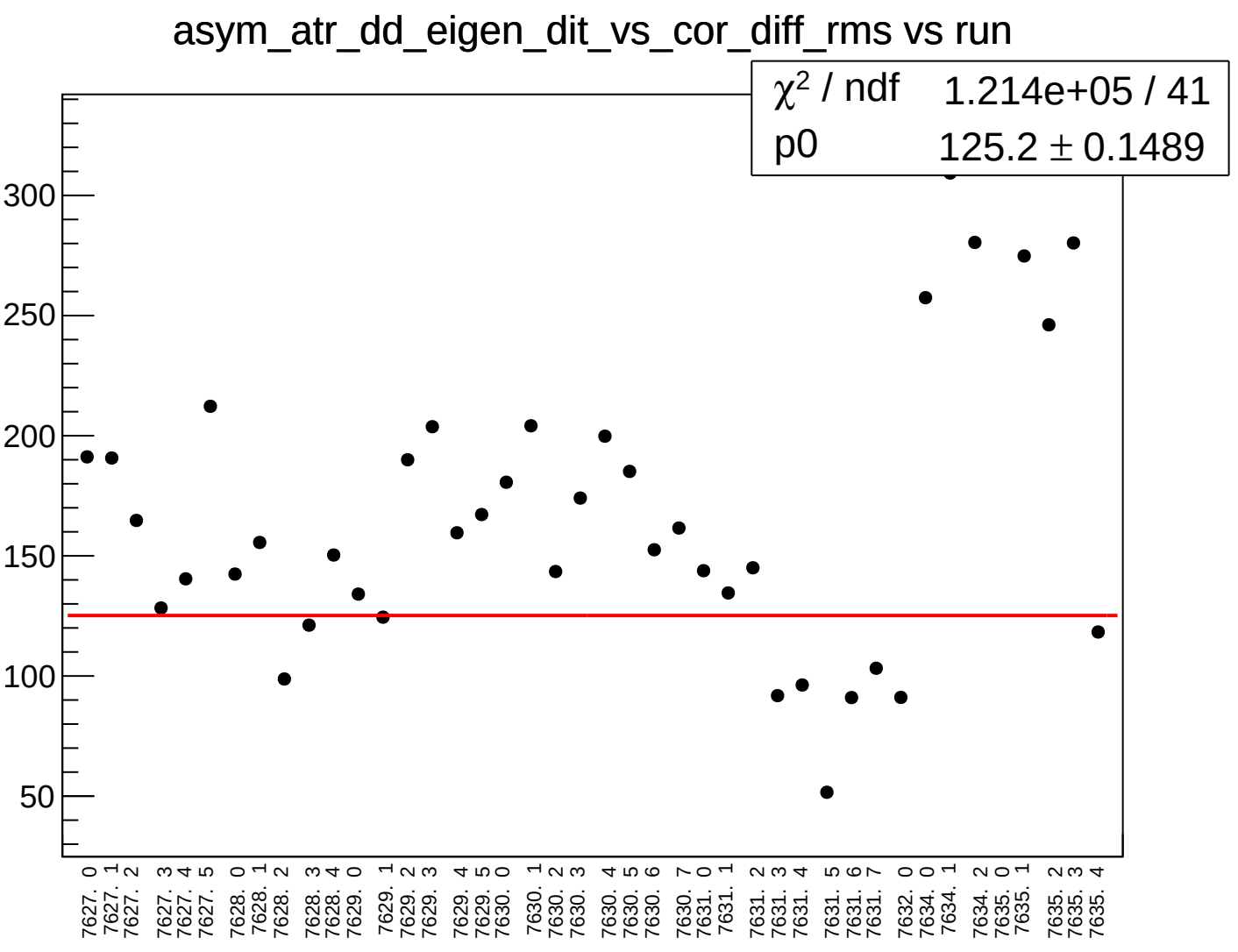

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.98 / 41
p0 −0.06732 ± 0.2106
pull
Entries 42
Mean −48.18
Std Dev 0
pull1D
Entries 42
Mean 0.02543
Std Dev 0.8584

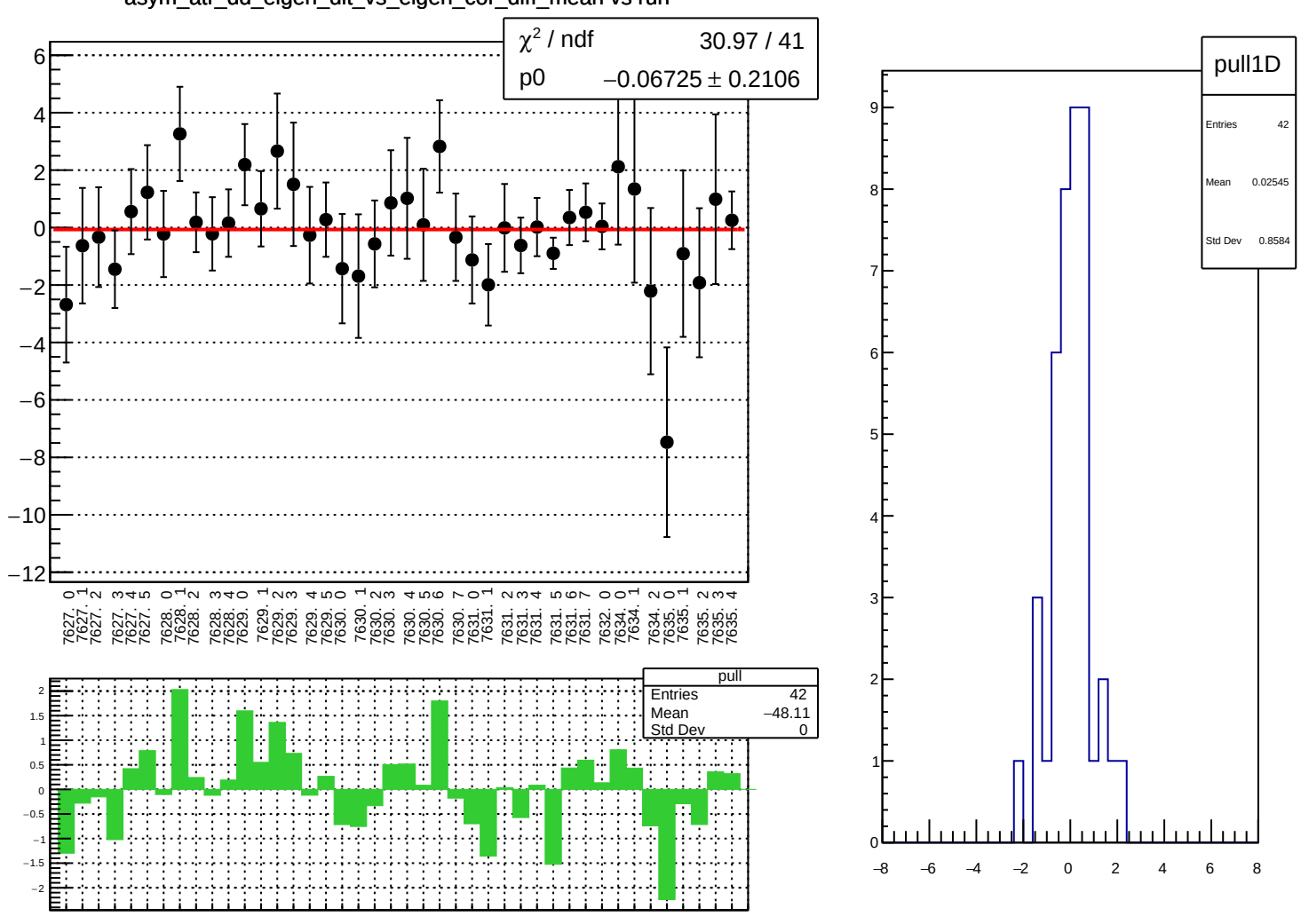

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.214e+05 / 41
p0 125.2 ± 0.1489
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

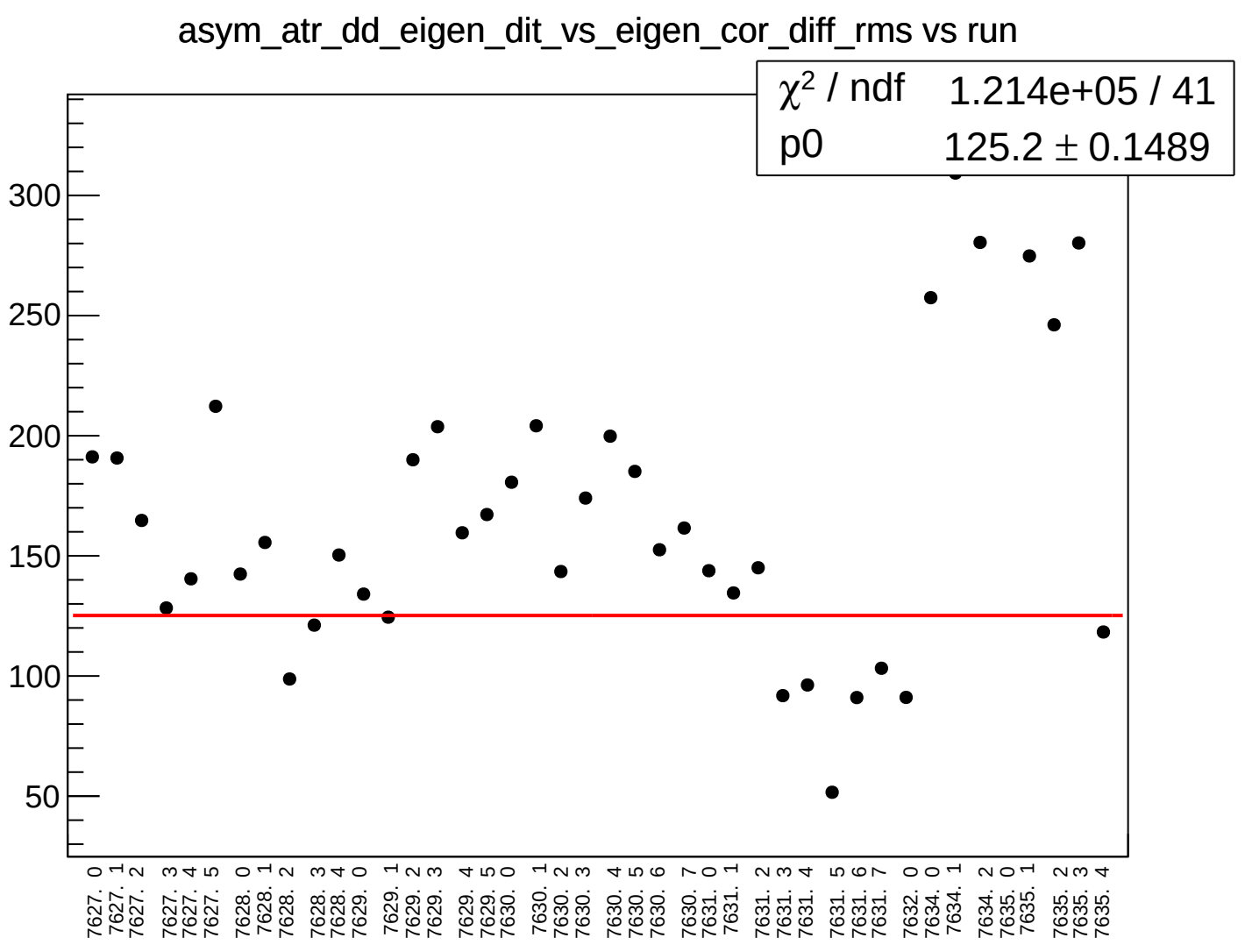

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.84 / 41
p0 9.042e−05 ± 4.343e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.03564
Std Dev 0.9975
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

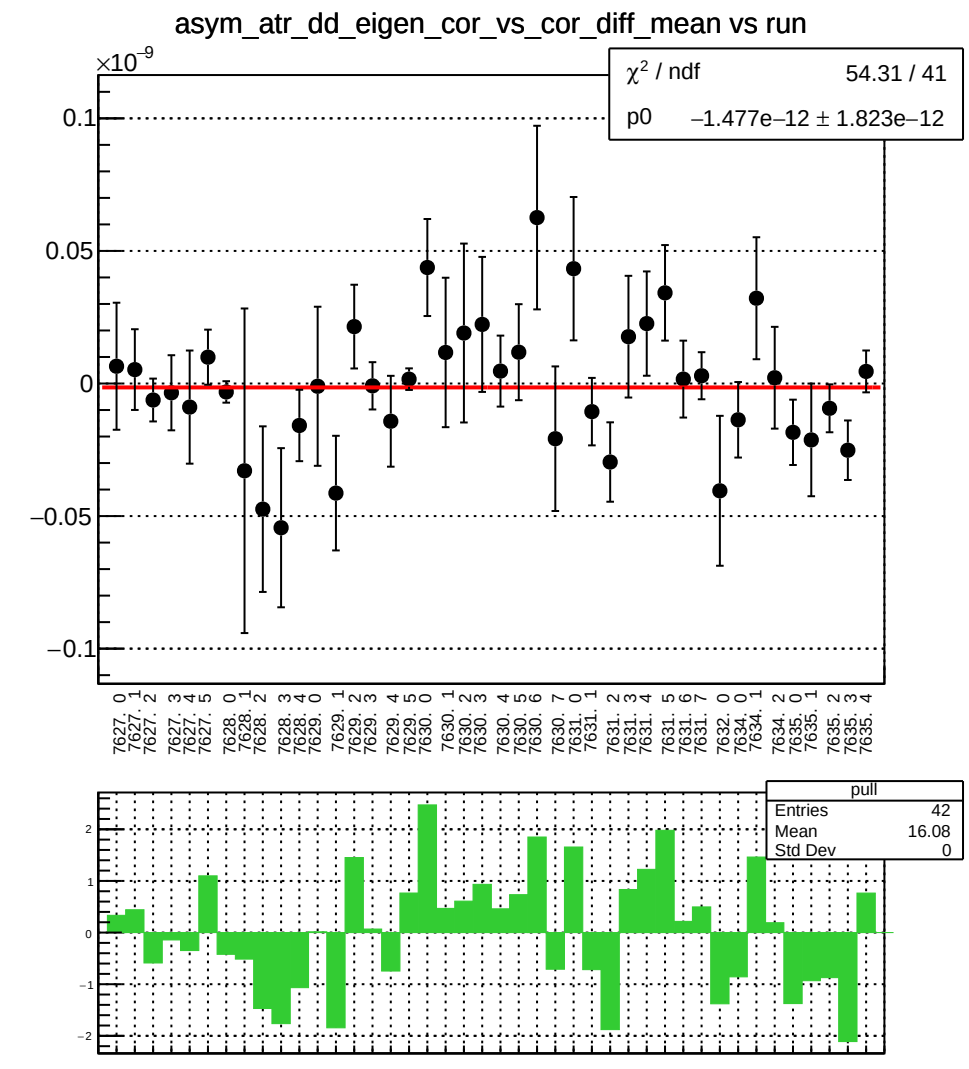

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.538e+04 / 41
p0 0.02751 ± 3.071e–05
0.04
0.035
0.03
0.025
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

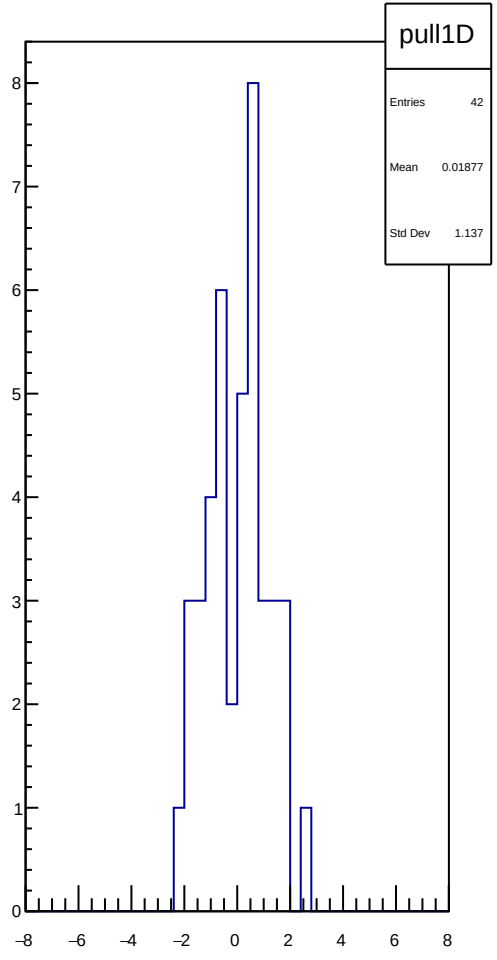

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.97 / 41
p0 −0.06725 ± 0.2106
pull
Entries 42
Mean −48.11
Std Dev 0
pull1D
Entries 42
Mean 0.02545
Std Dev 0.8584

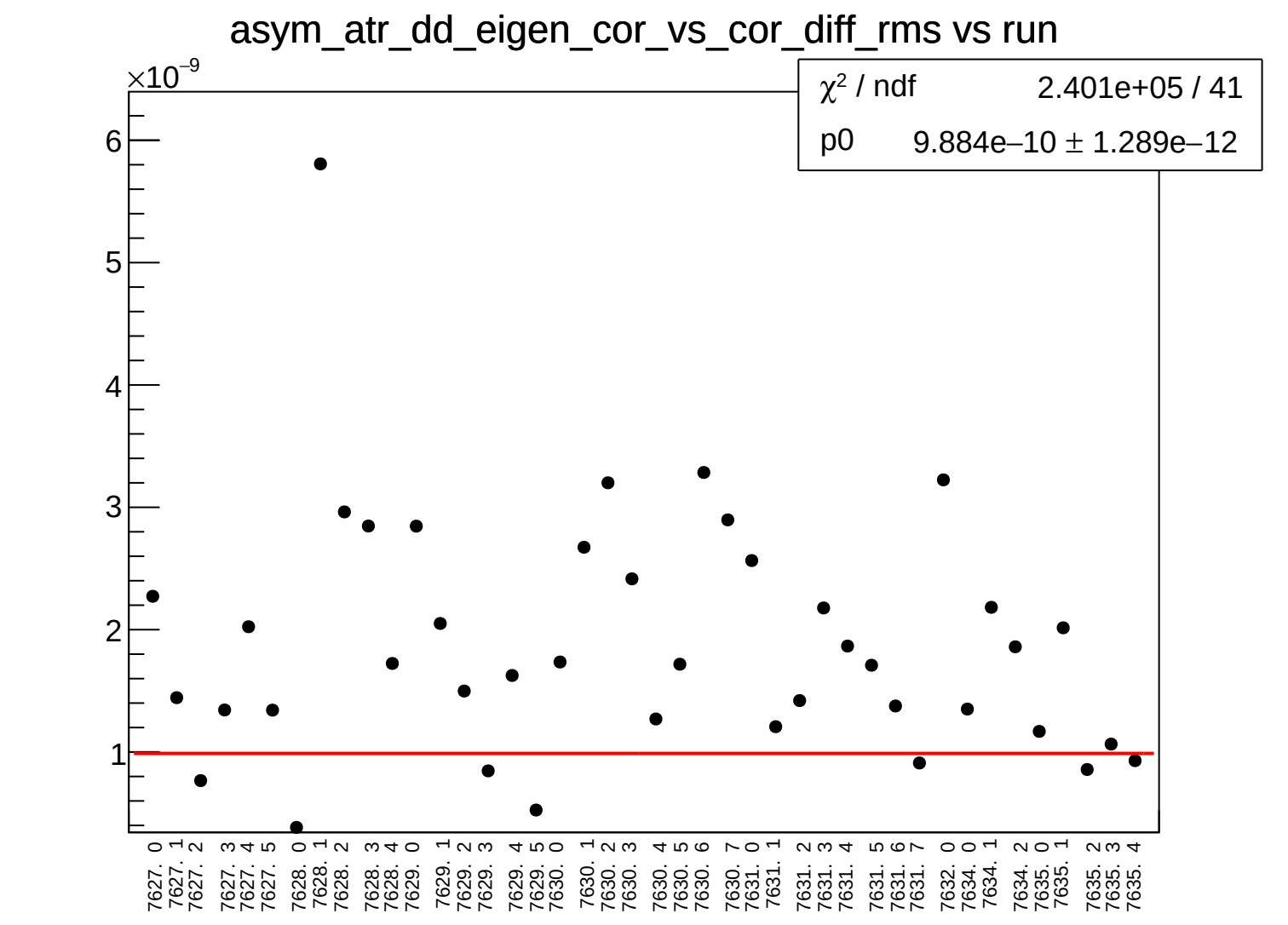

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.214e+05 / 41
p0 125.2 ± 0.1489
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

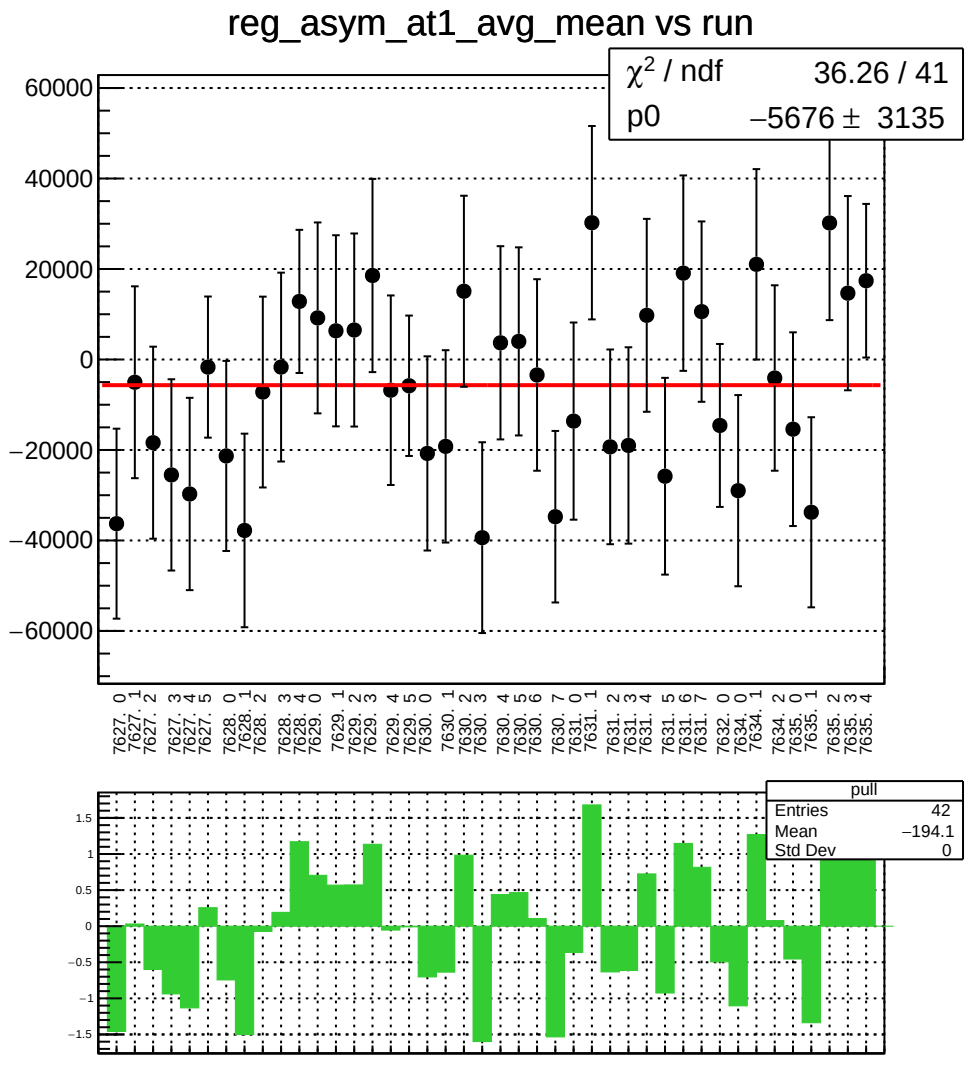

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.97 / 41
p0 −0.06725 ± 0.2106
pull
Entries 42
Mean −48.11
Std Dev 0
pull1D
Entries 42
Mean 0.02545
Std Dev 0.8584

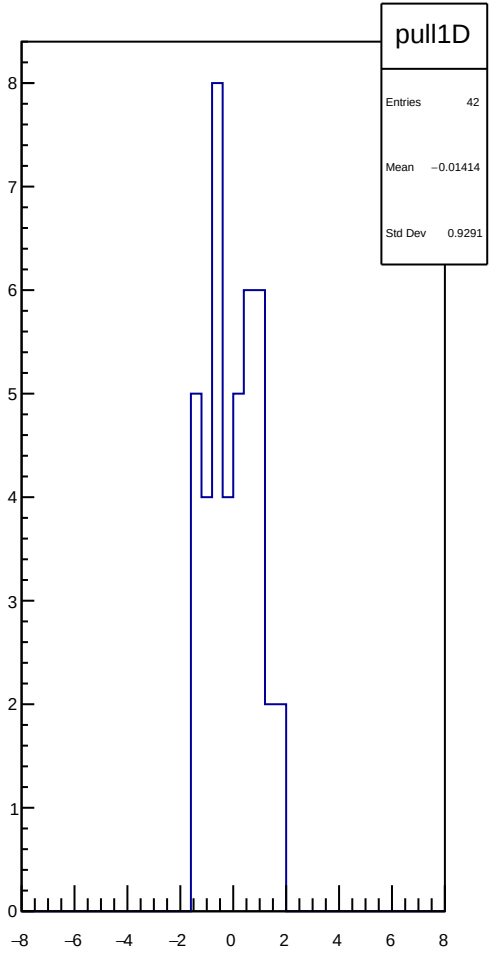

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.214e+05 / 41
p0 125.2 ± 0.1489
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

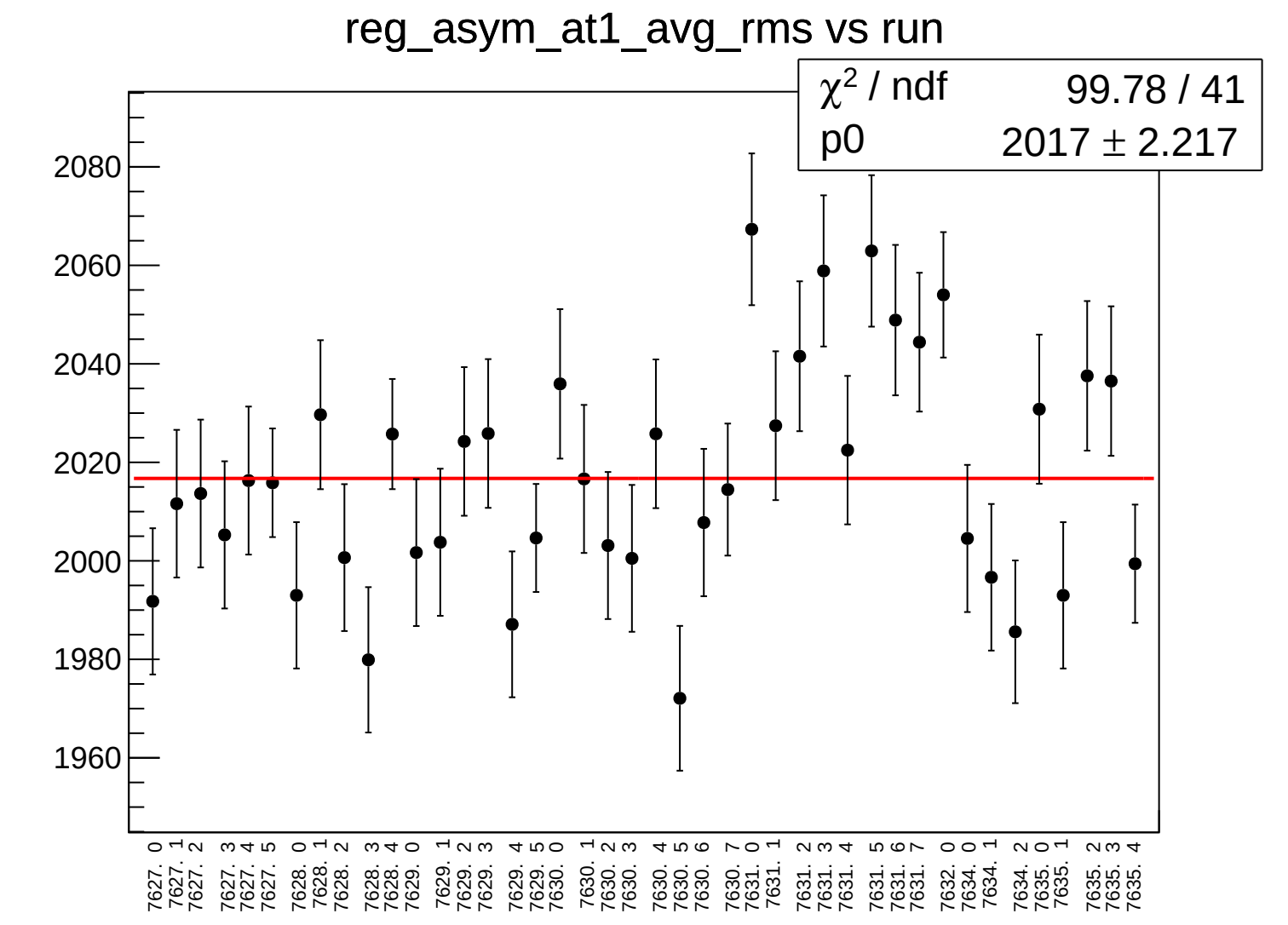

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 54.31 / 41
p0 −1.477e−12 ± 1.823e−12
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 16.08
Std Dev 0
2
1
0
−1
−2

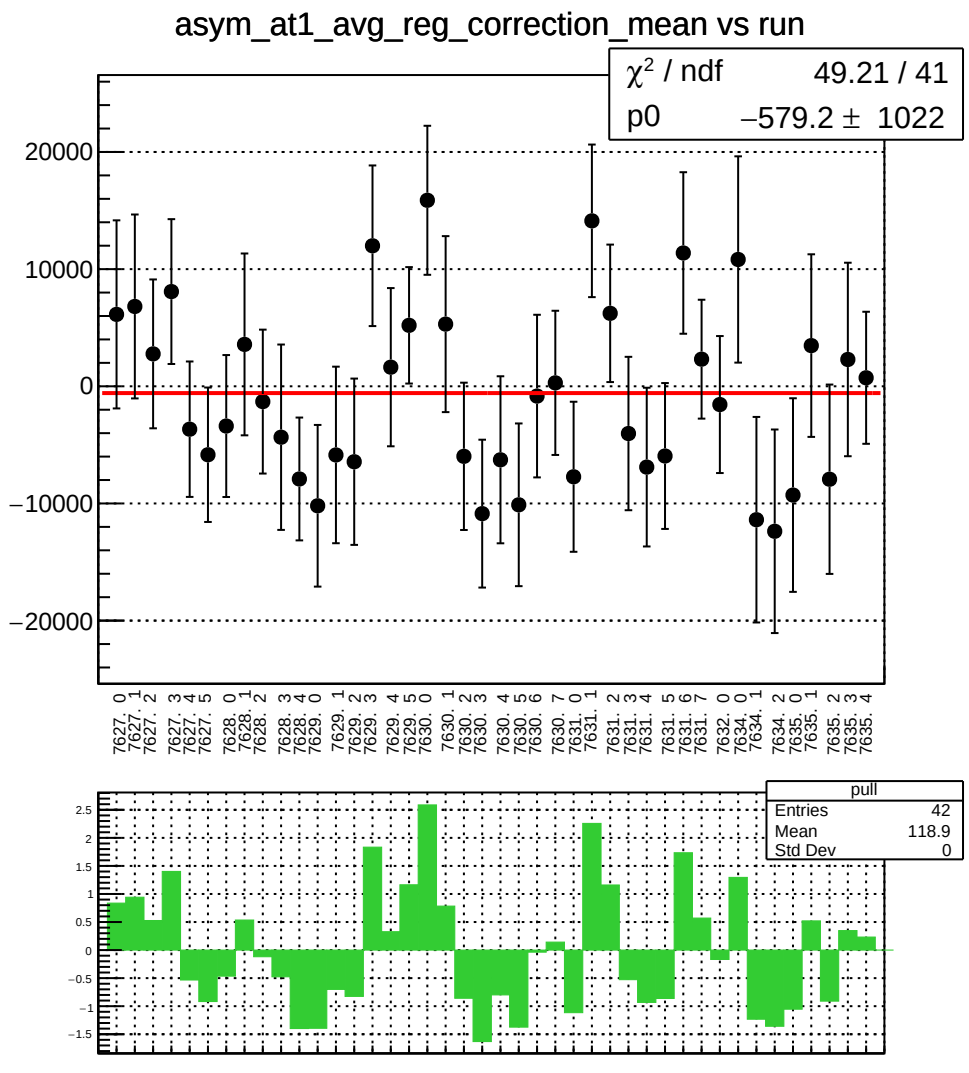

pull1D
Entries 42
Mean 0.01877
Std Dev 1.137
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

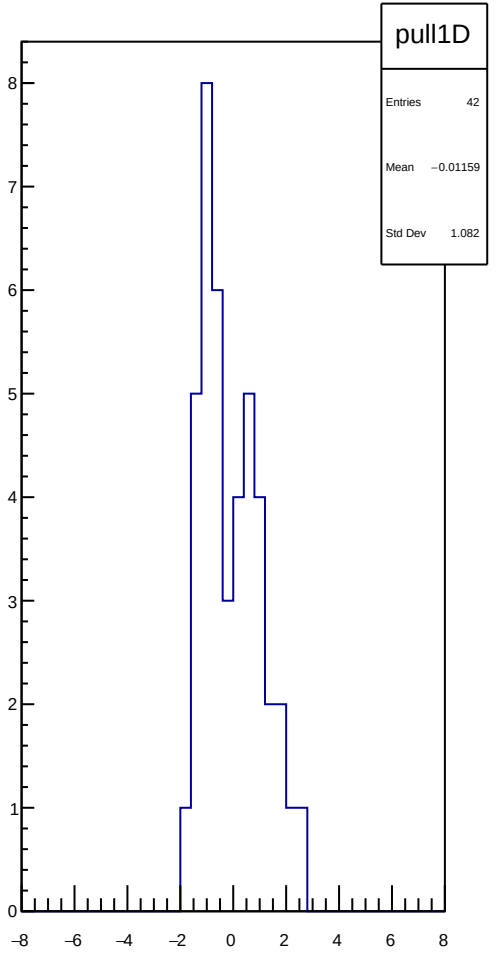

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.401e+05 / 41
p0 9.884e−10 ± 1.289e−12
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

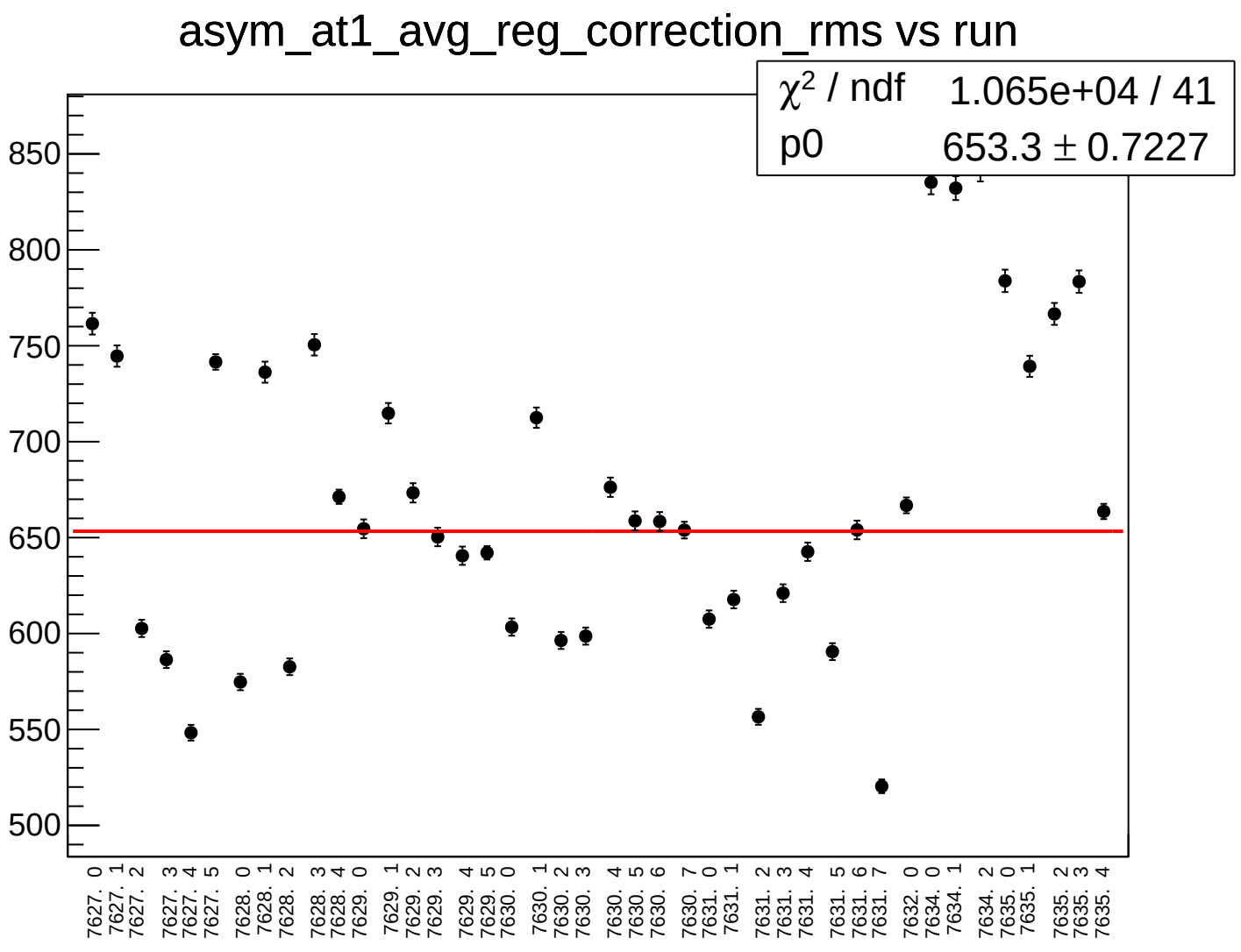

reg_asym_at1_avg_mean vs run
χ² / ndf 36.26 / 41
p0 −5676 ± 3135
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −194.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

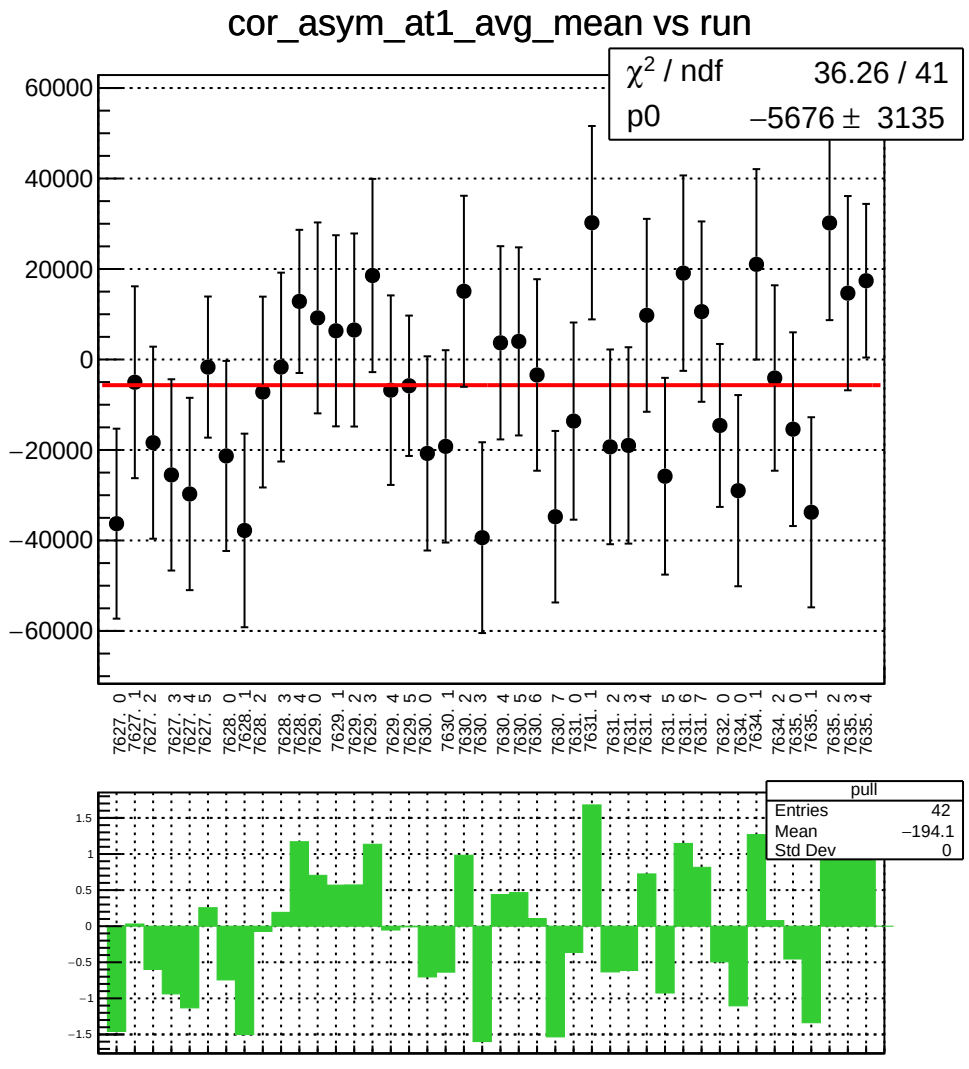

pull1D
Entries 42
Mean −0.01414
Std Dev 0.9291
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

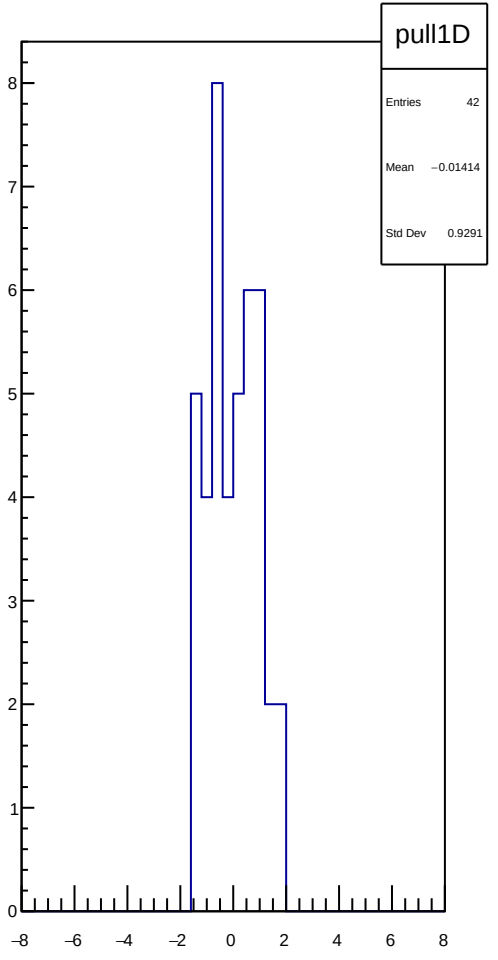

reg_asym_at1_avg_rms vs run
χ^2 / ndf 99.78 / 41
p0 2017 ± 2.217
2080
2060
2040
2020
2000
1980
1960
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

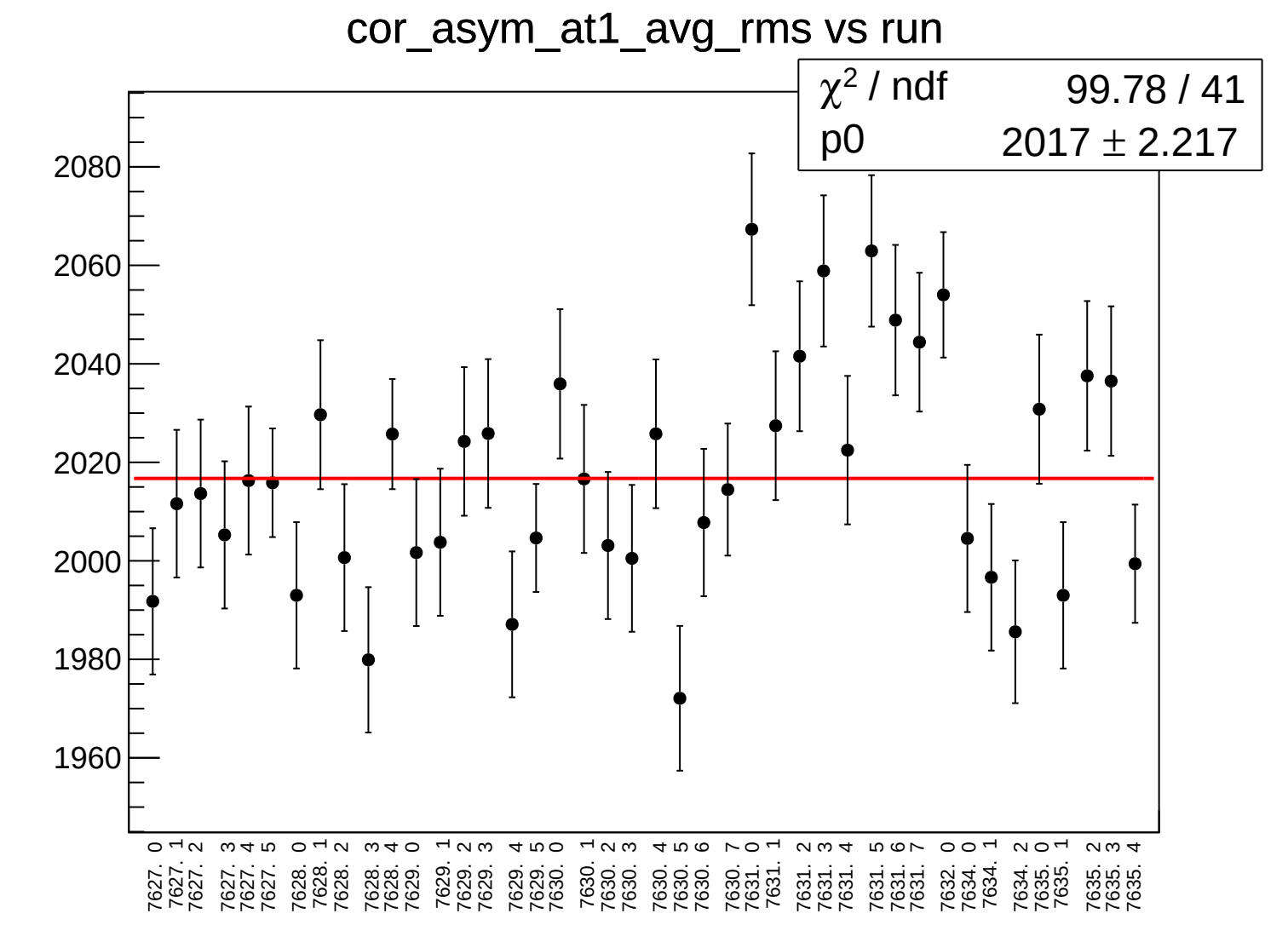

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 49.21 / 41
p0 −579.2 ± 1022
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 118.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

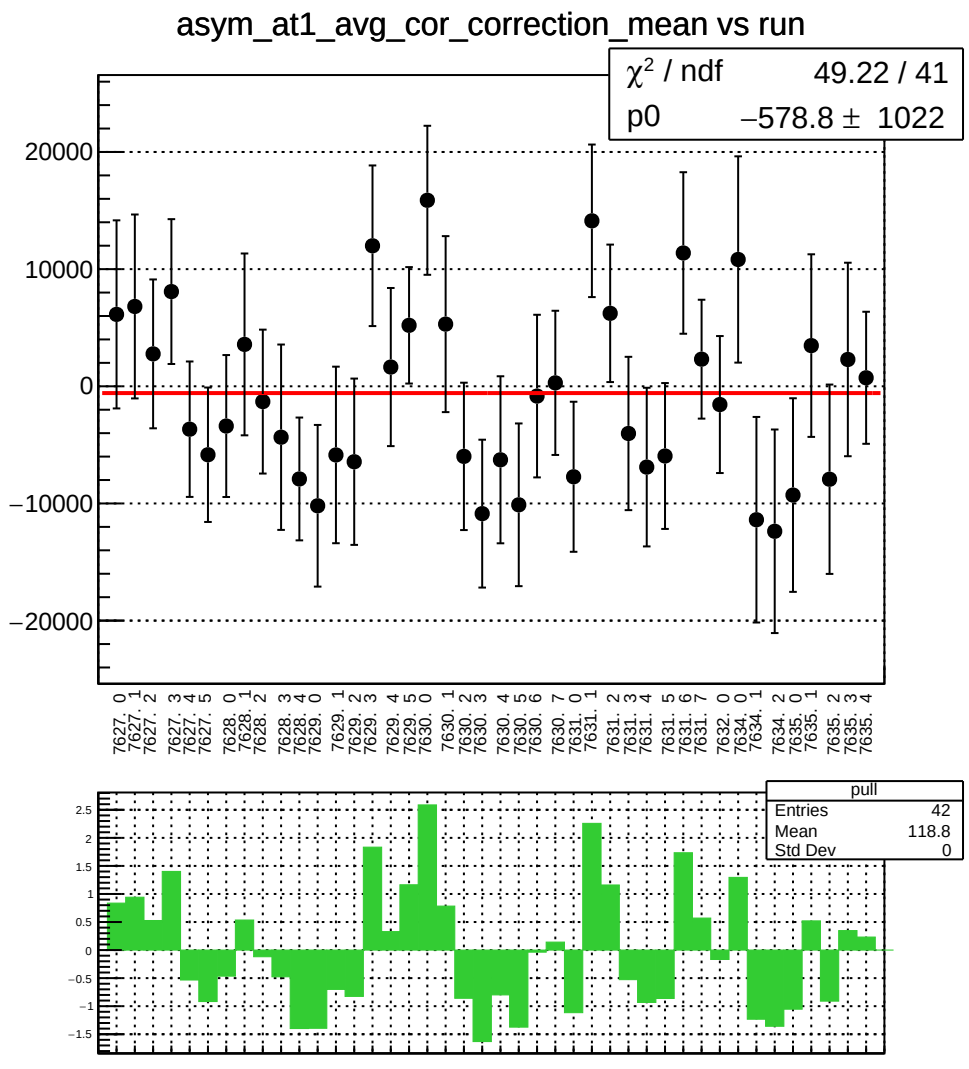

pull1D
Entries 42
Mean −0.01159
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

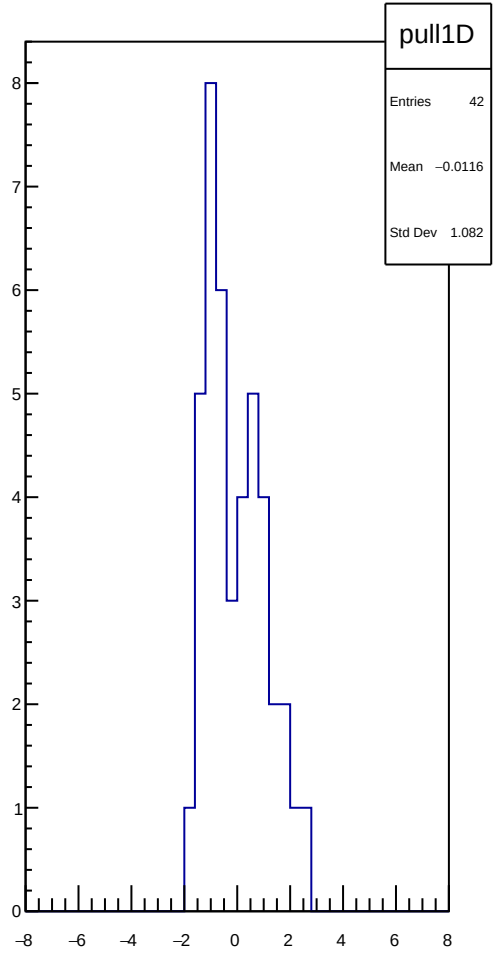

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 1.065e+04 / 41
p0 653.3 ± 0.7227
850
800
750
700
650
600
550
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

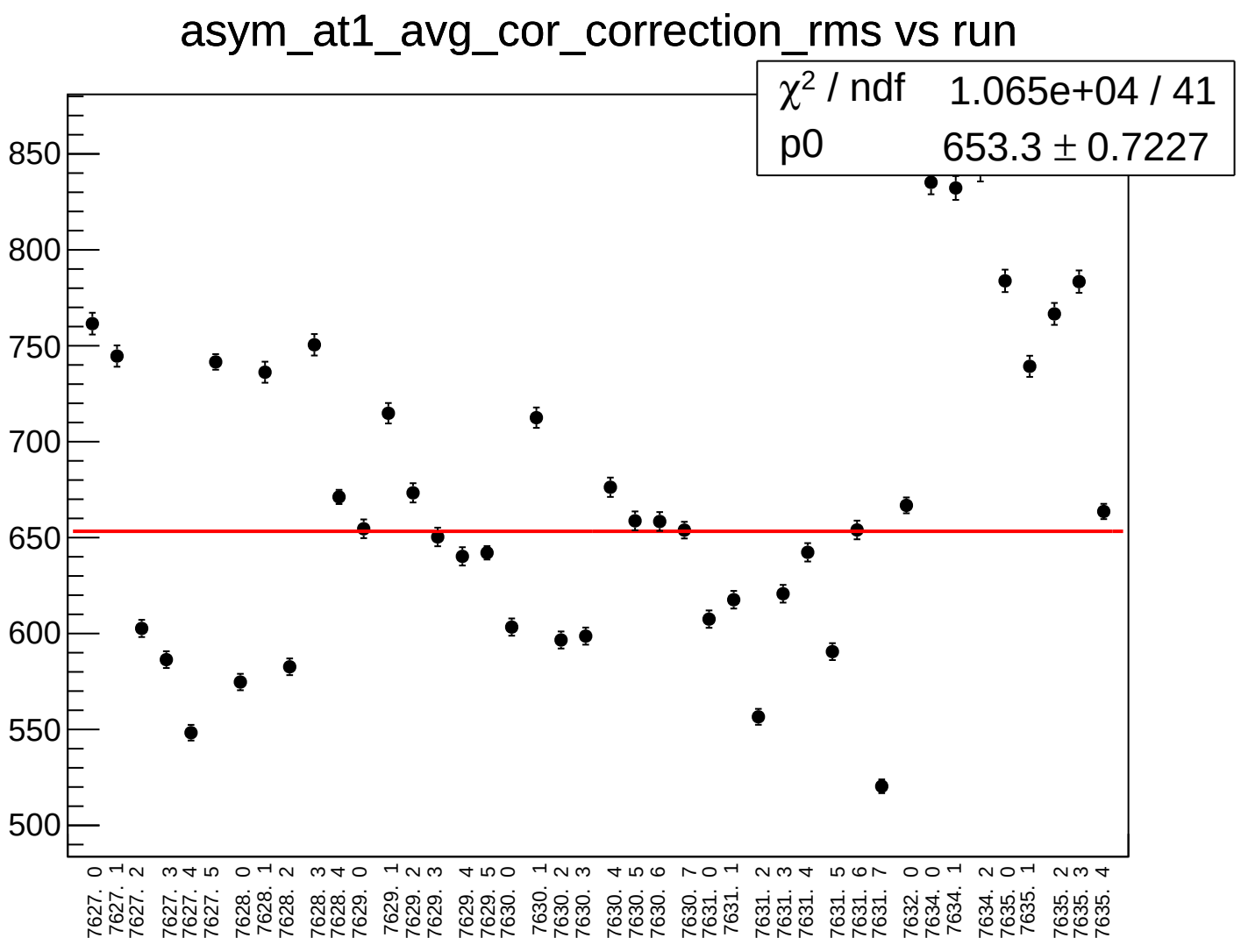

cor_asym_at1_avg_mean vs run
χ² / ndf 36.26 / 41
p0 −5676 ± 3135
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −194.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

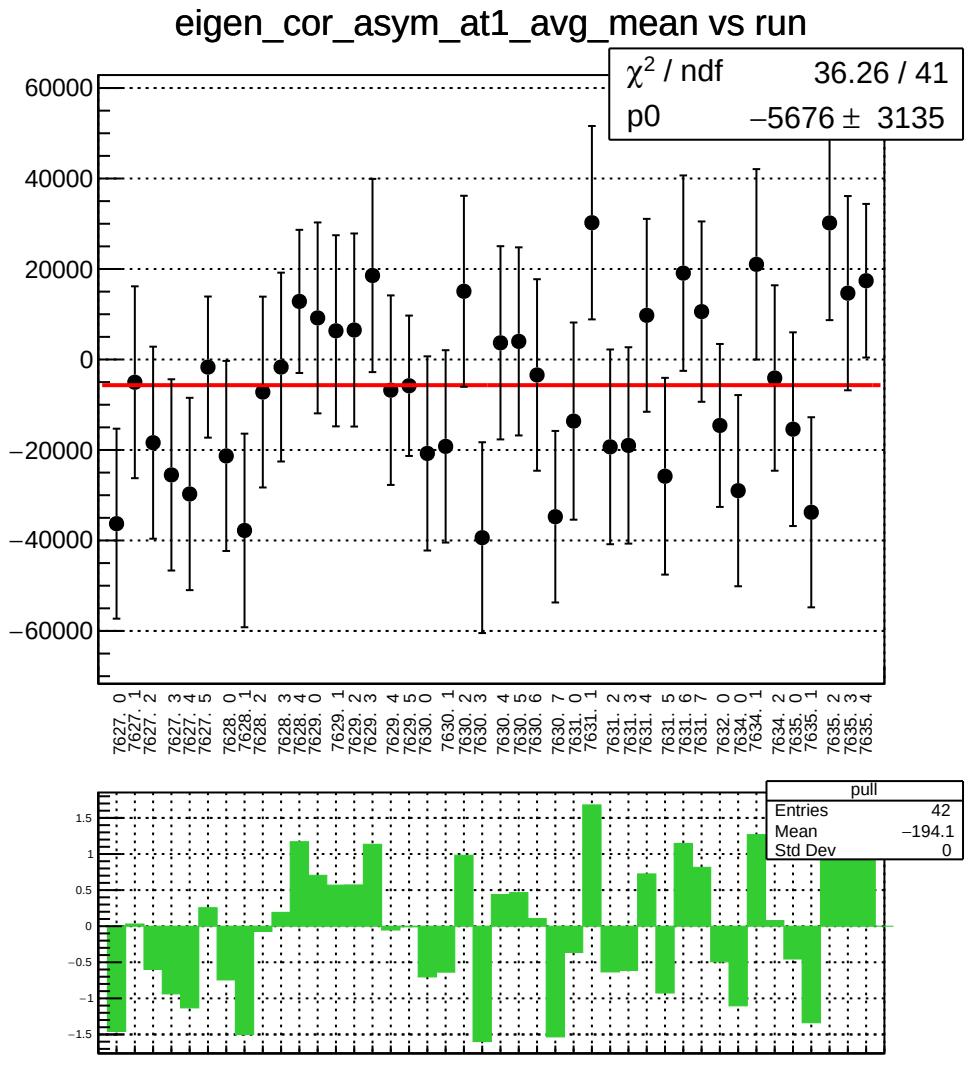

pull1D
Entries 42
Mean −0.01414
Std Dev 0.9291
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

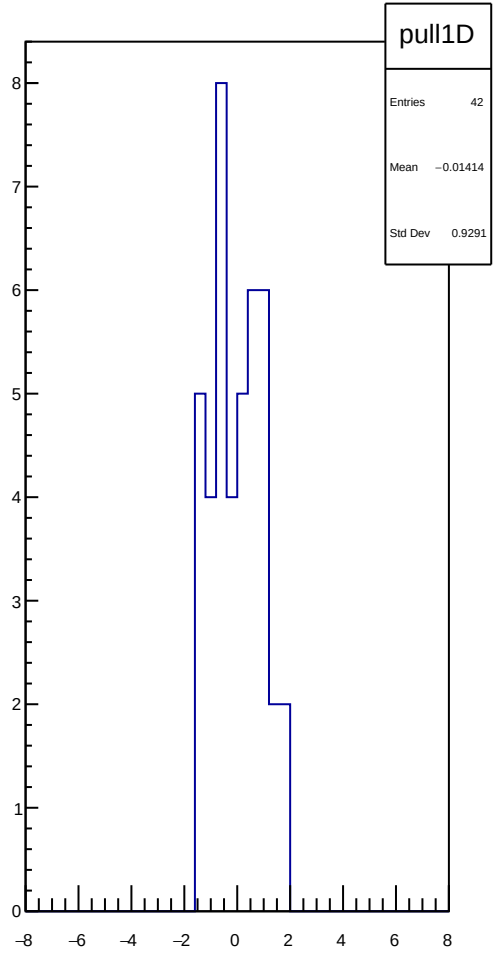

cor_asym_at1_avg_rms vs run
χ^2 / ndf 99.78 / 41
p0 2017 ± 2.217
2080
2060
2040
2020
2000
1980
1960
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

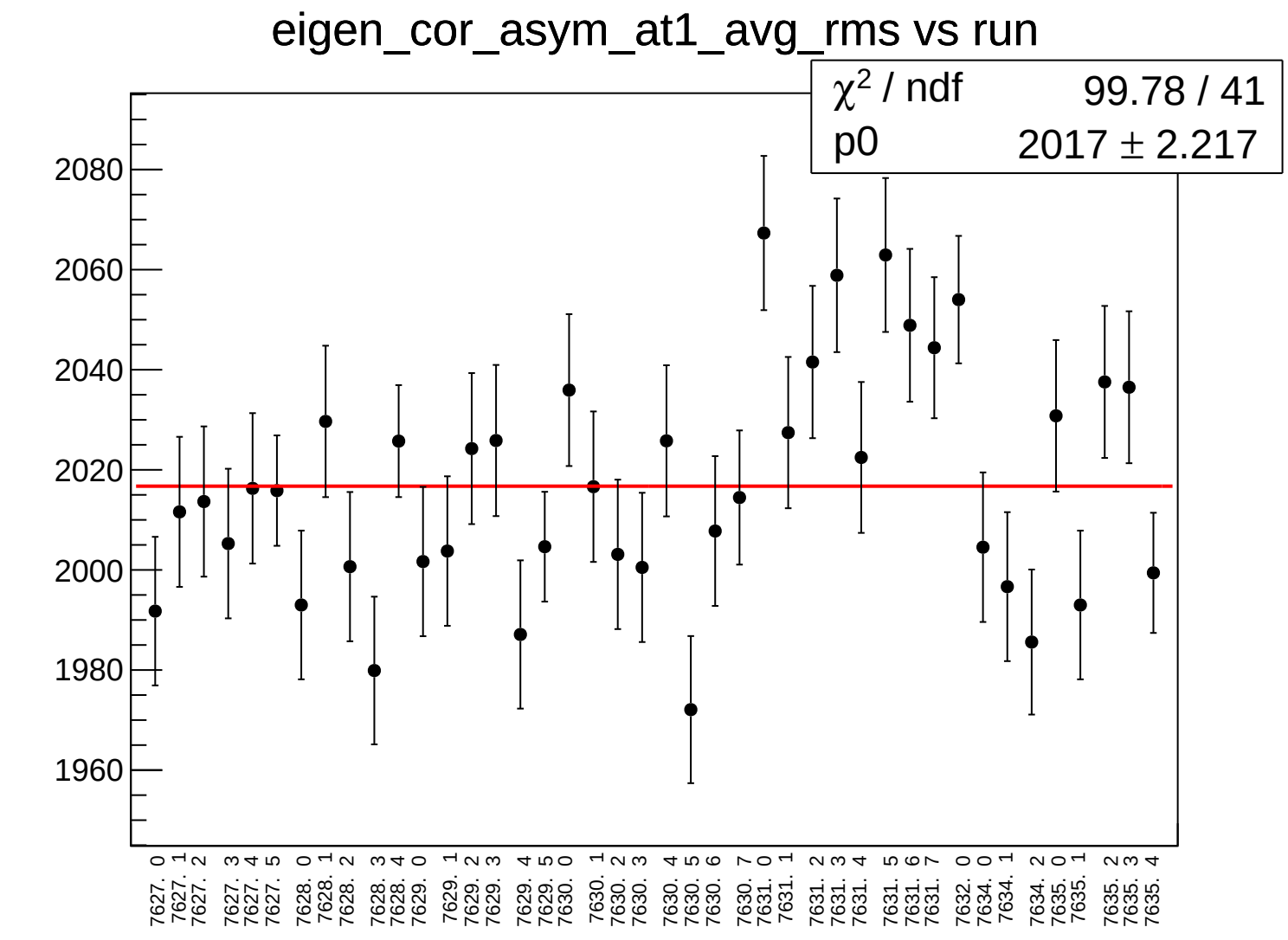

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 49.22 / 41
p0 −578.8 ± 1022
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 118.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

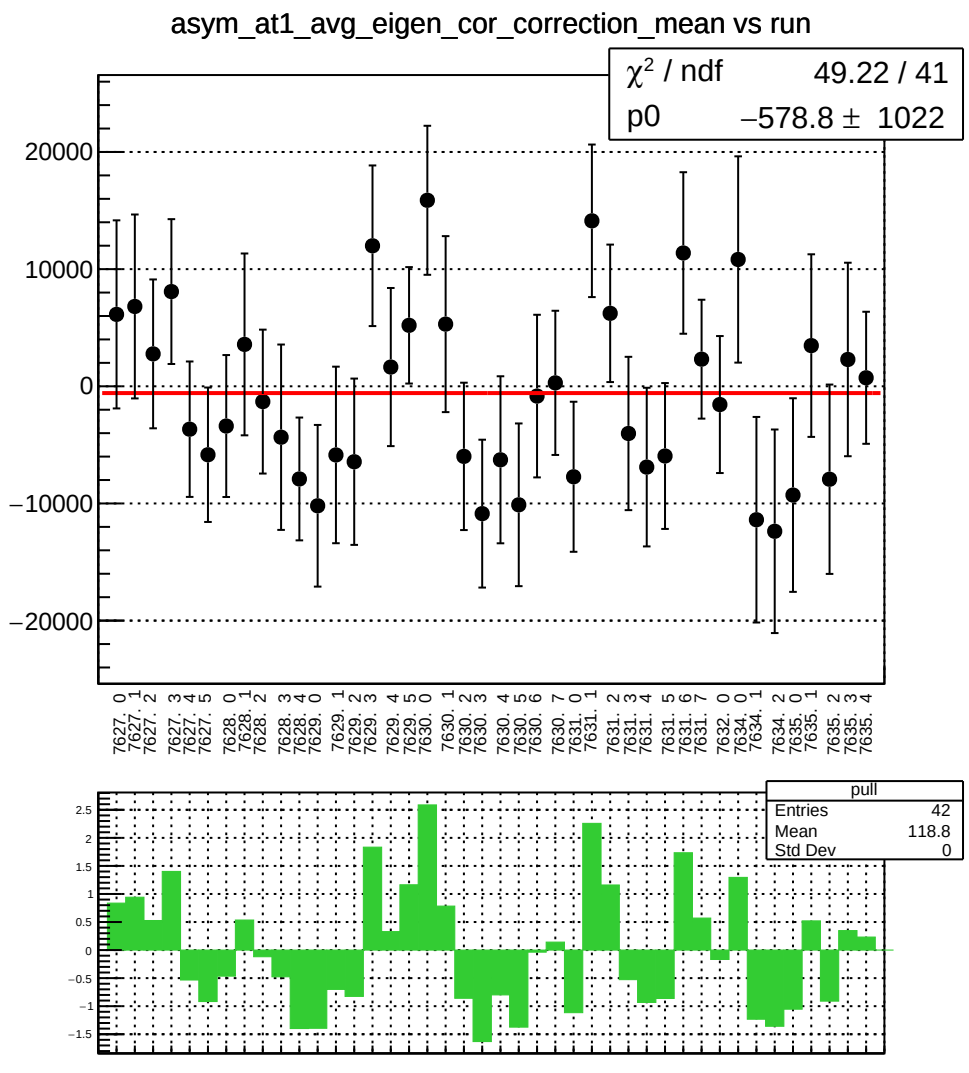

pull1D
Entries 42
Mean −0.0116
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

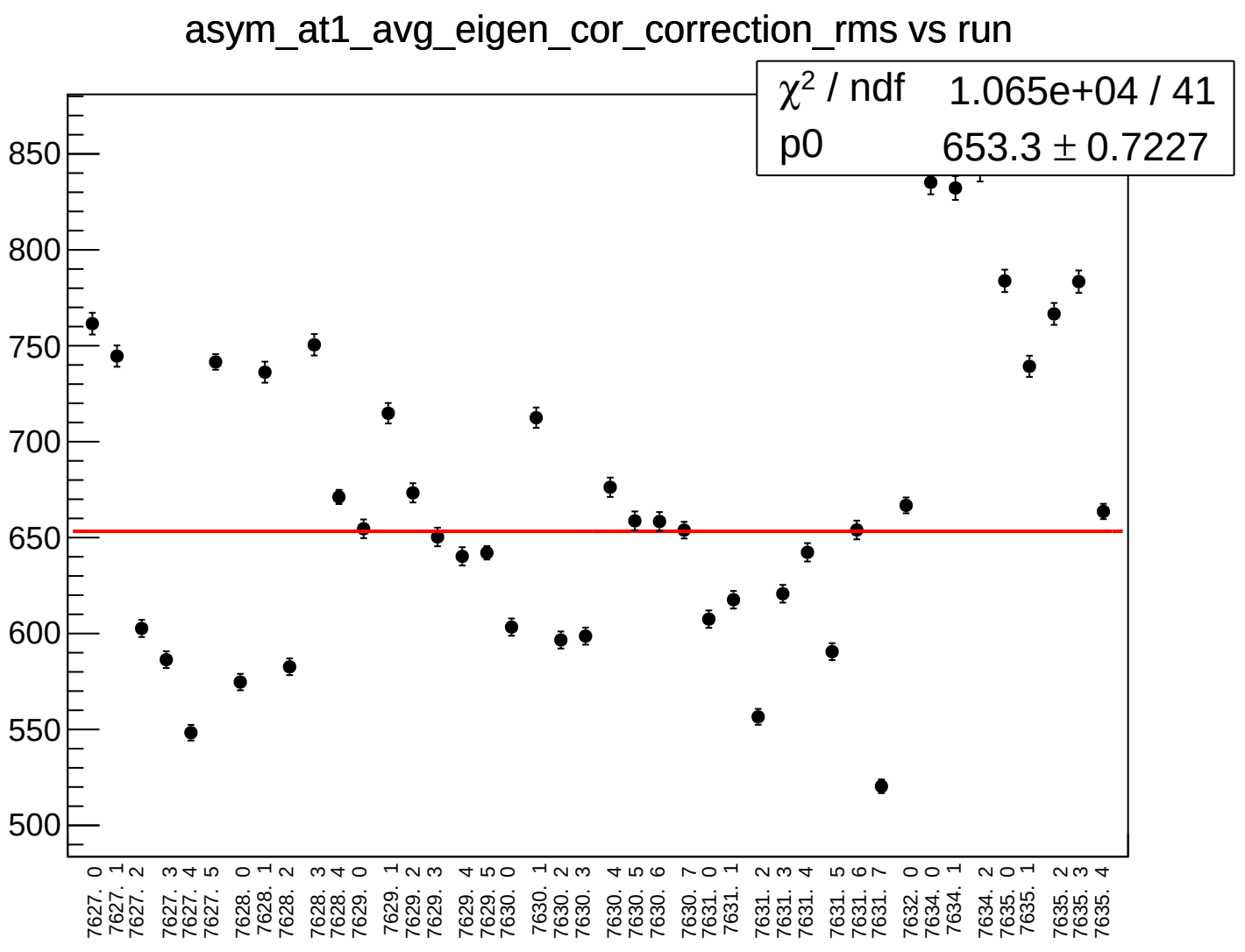

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 1.065e+04 / 41
p0 653.3 ± 0.7227
850
800
750
700
650
600
550
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

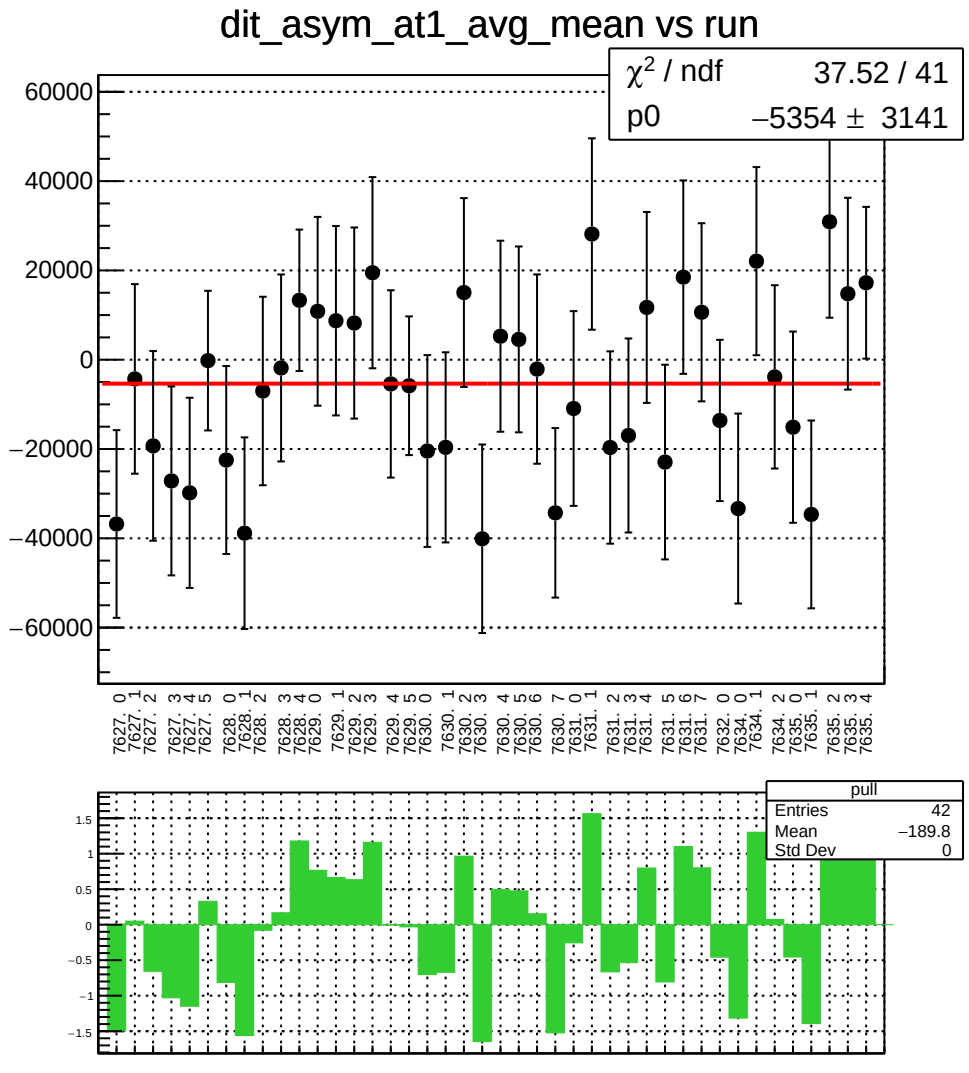

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 36.26 / 41
p0 −5676 ± 3135
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −194.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

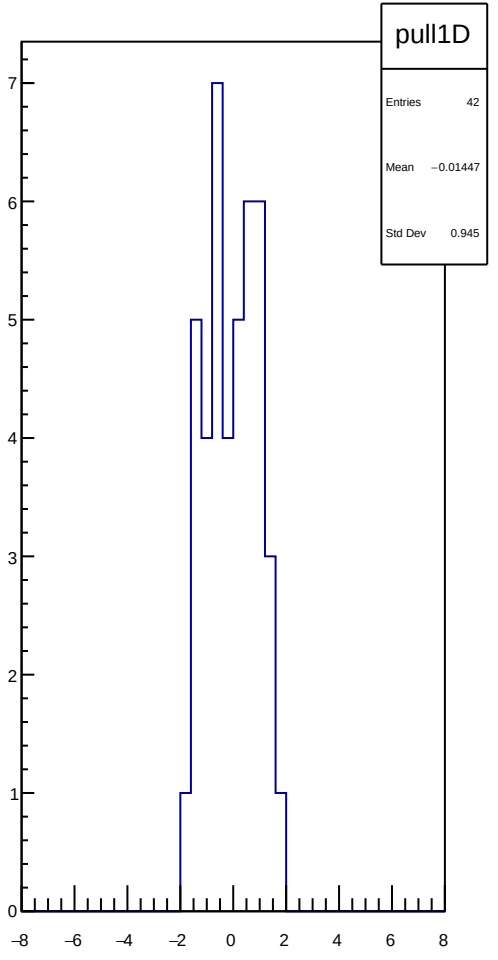

pull1D
Entries 42
Mean −0.01414
Std Dev 0.9291
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

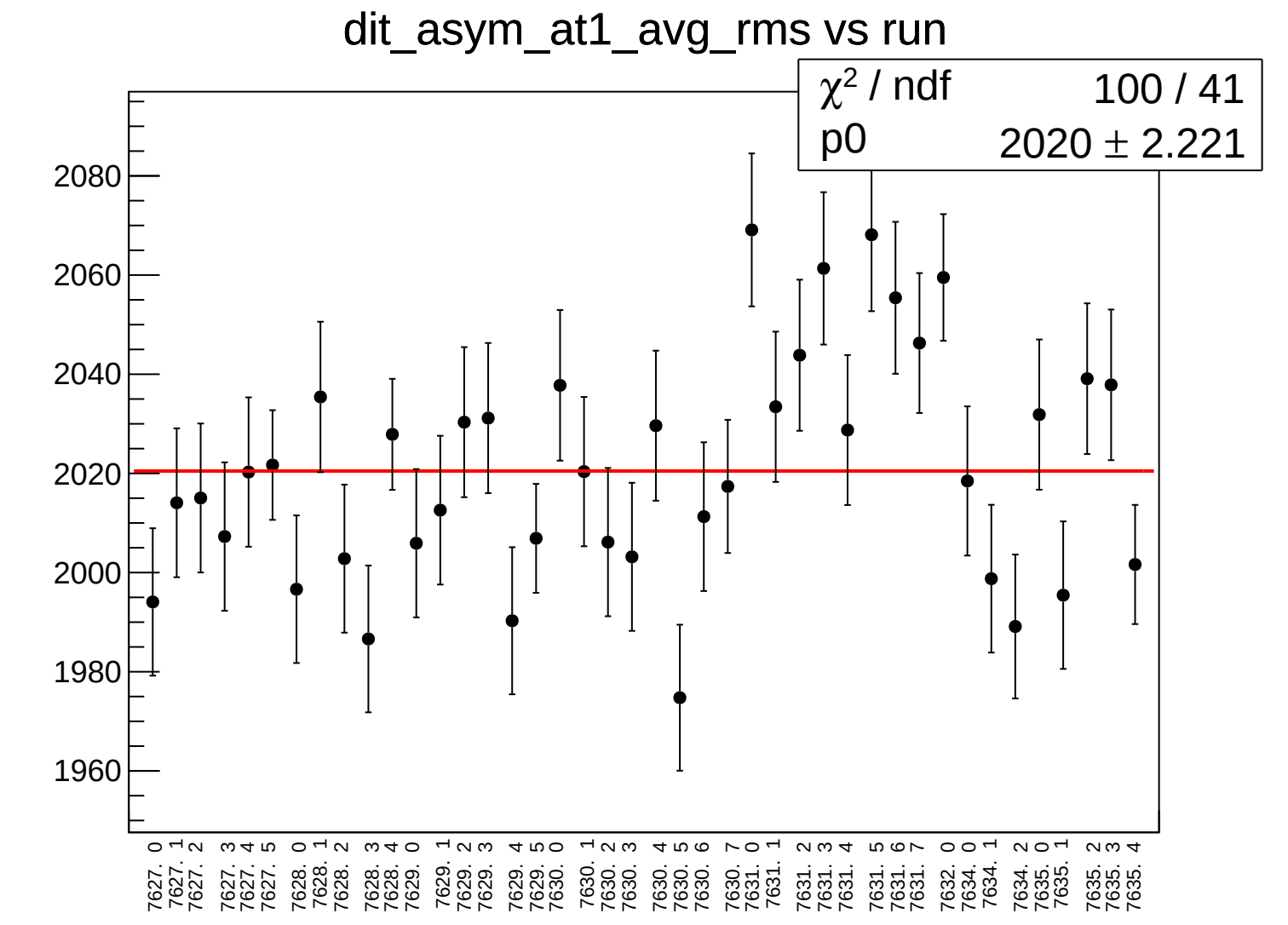

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 99.78 / 41
p0 2017 ± 2.217
2080
2060
2040
2020
2000
1980
1960
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

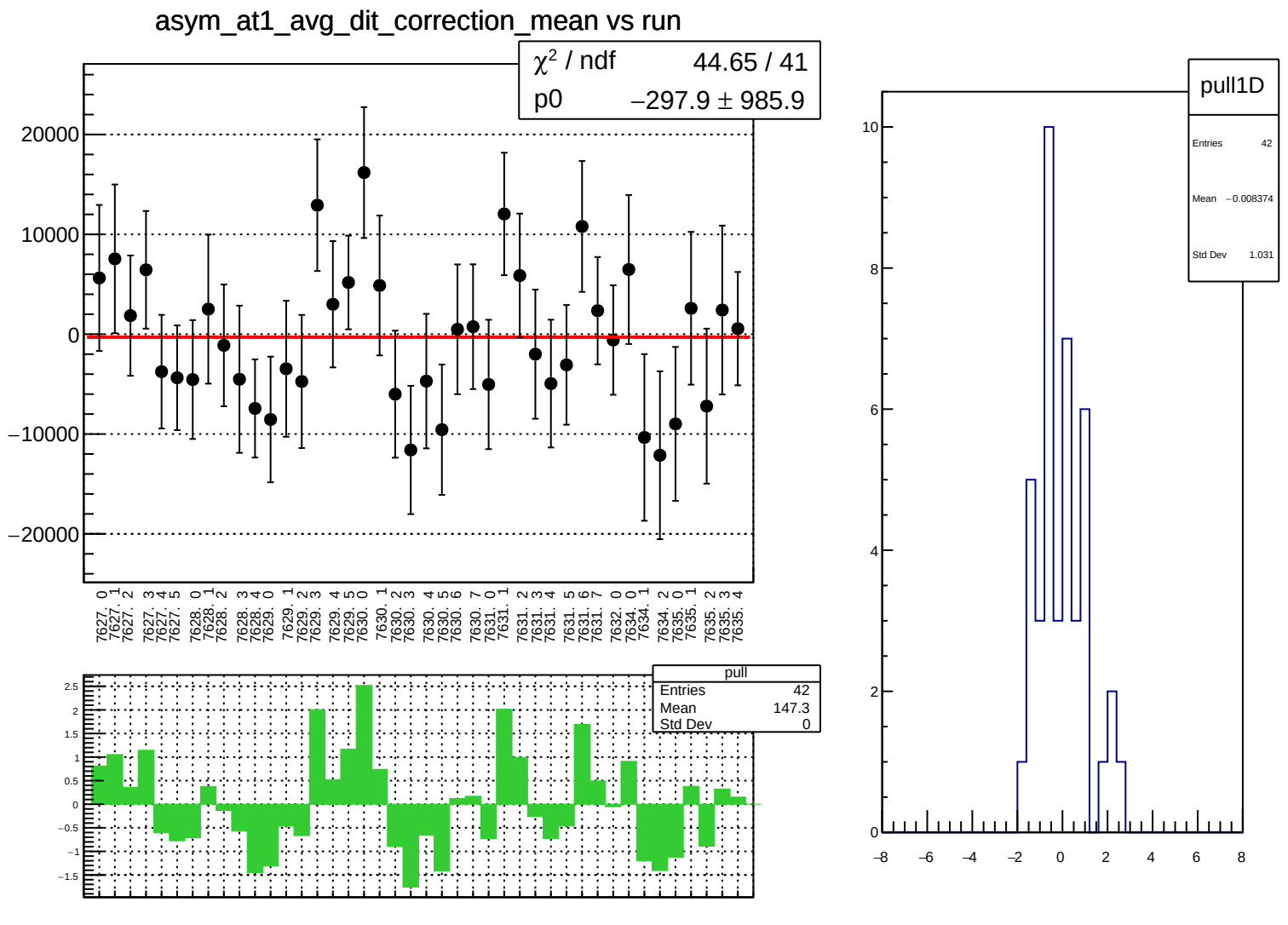

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 49.22 / 41
p0 −578.8 ± 1022
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 118.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.0116
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

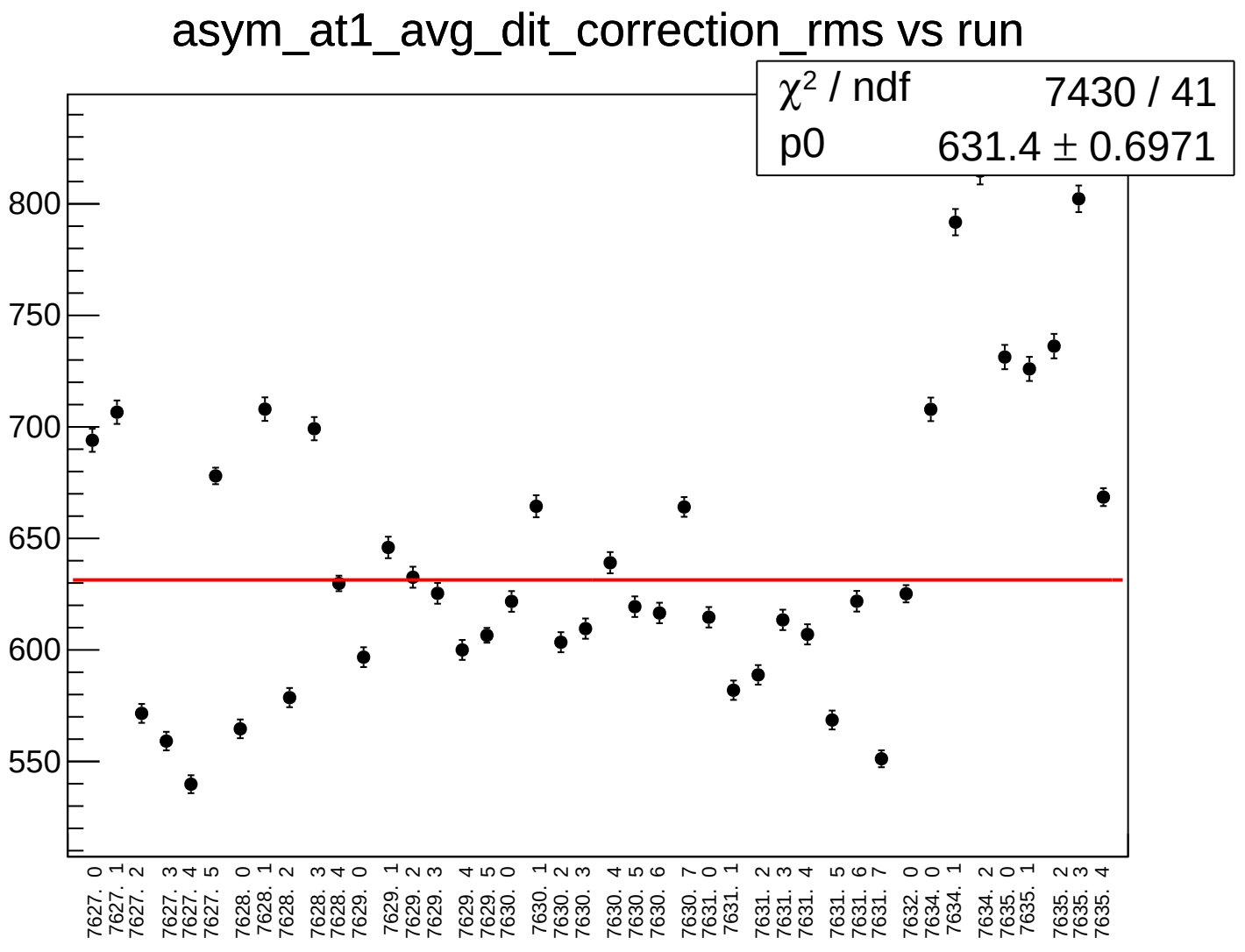

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.065e+04 / 41
p0 653.3 ± 0.7227
850
800
750
700
650
600
550
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

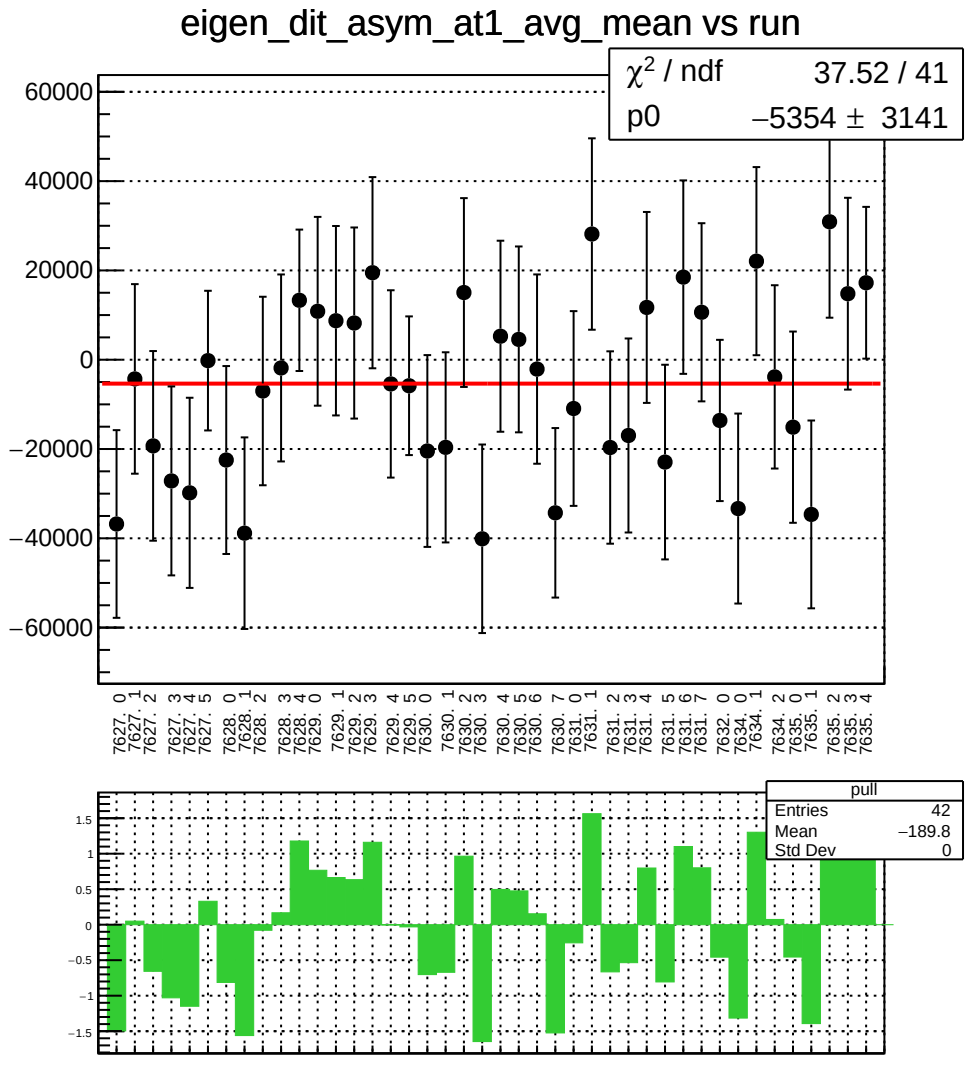

dit_asym_at1_avg_mean vs run
χ² / ndf 37.52 / 41
p0 −5354 ± 3141
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −189.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

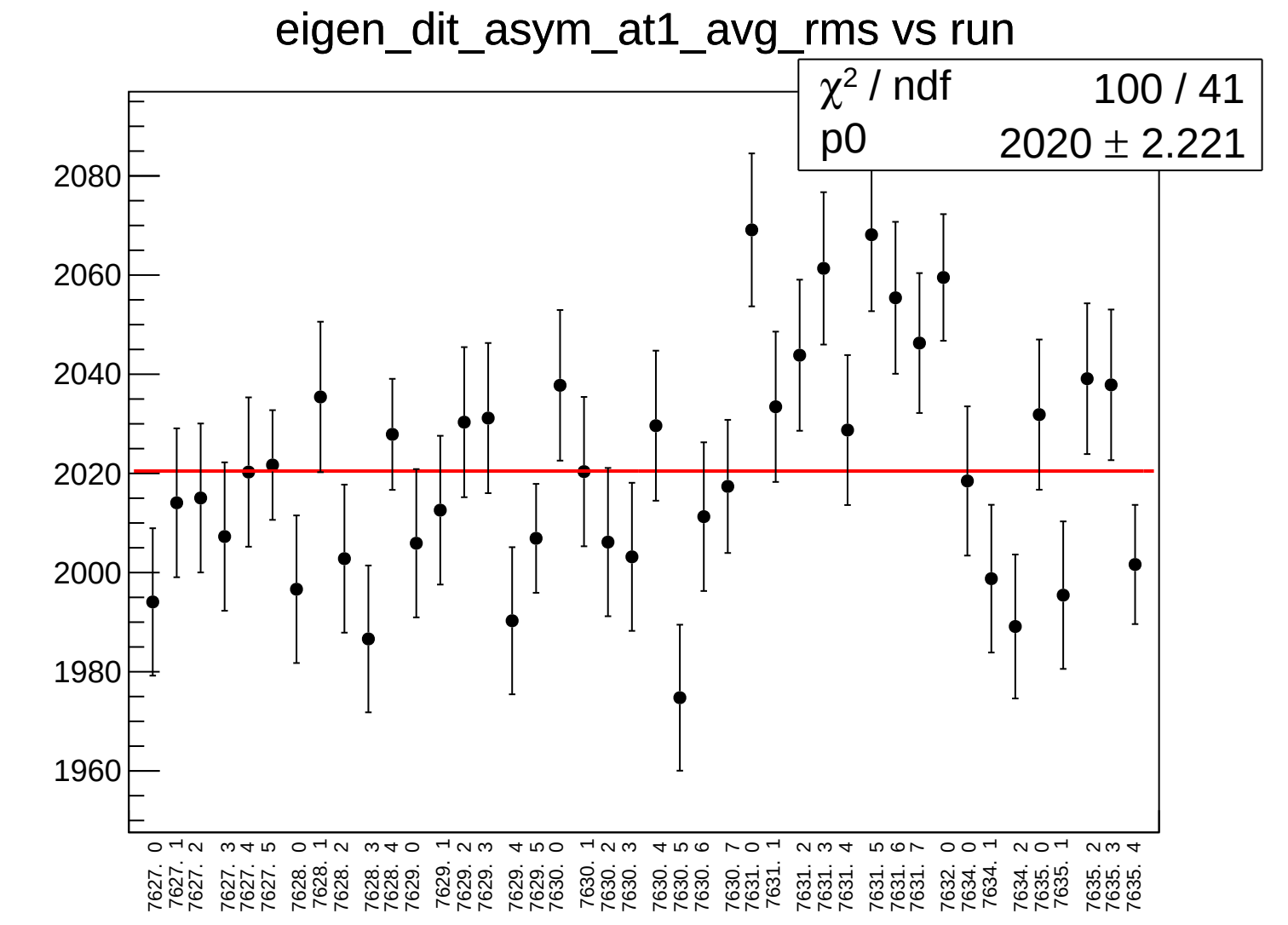

pull1D
Entries 42
Mean −0.01447
Std Dev 0.945
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

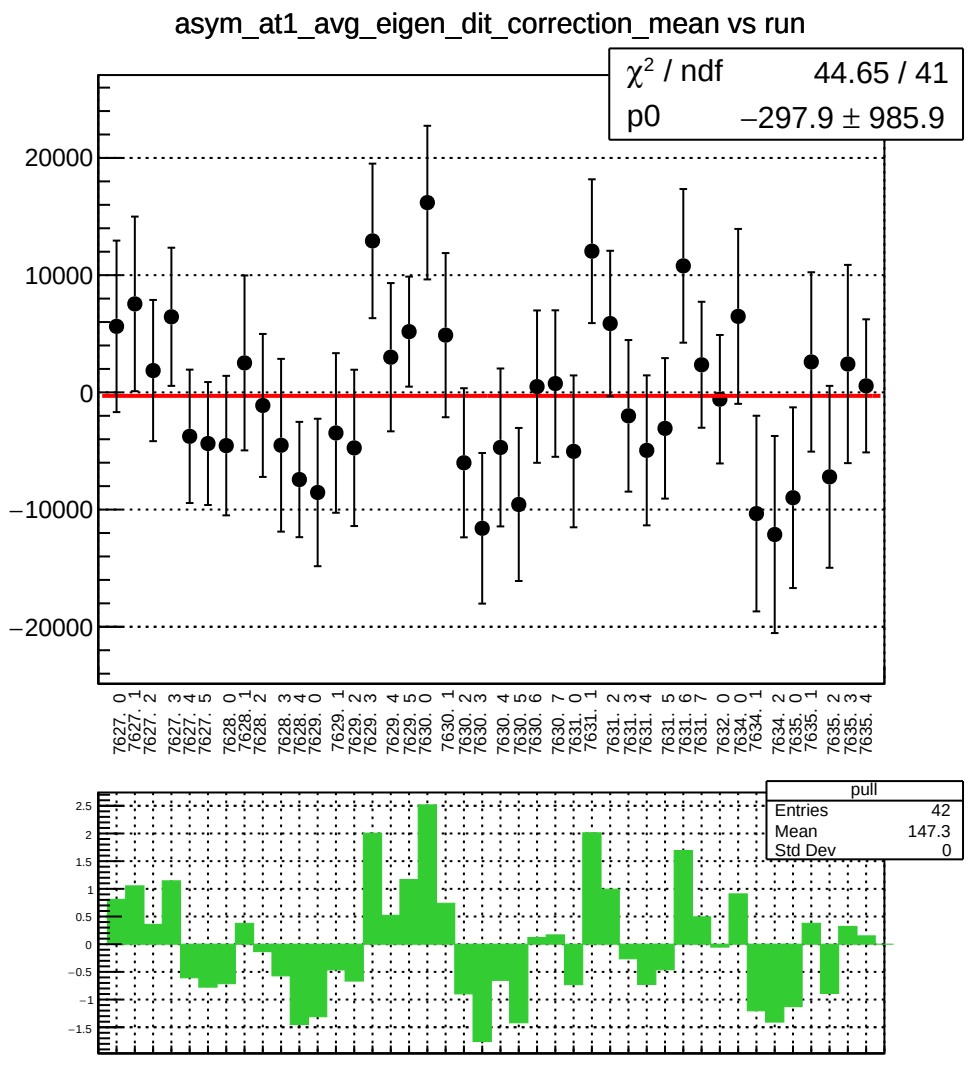

dit_asym_at1_avg_rms vs run
χ² / ndf 100 / 41
p0 2020 ± 2.221
2080
2060
2040
2020
2000
1980
1960
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

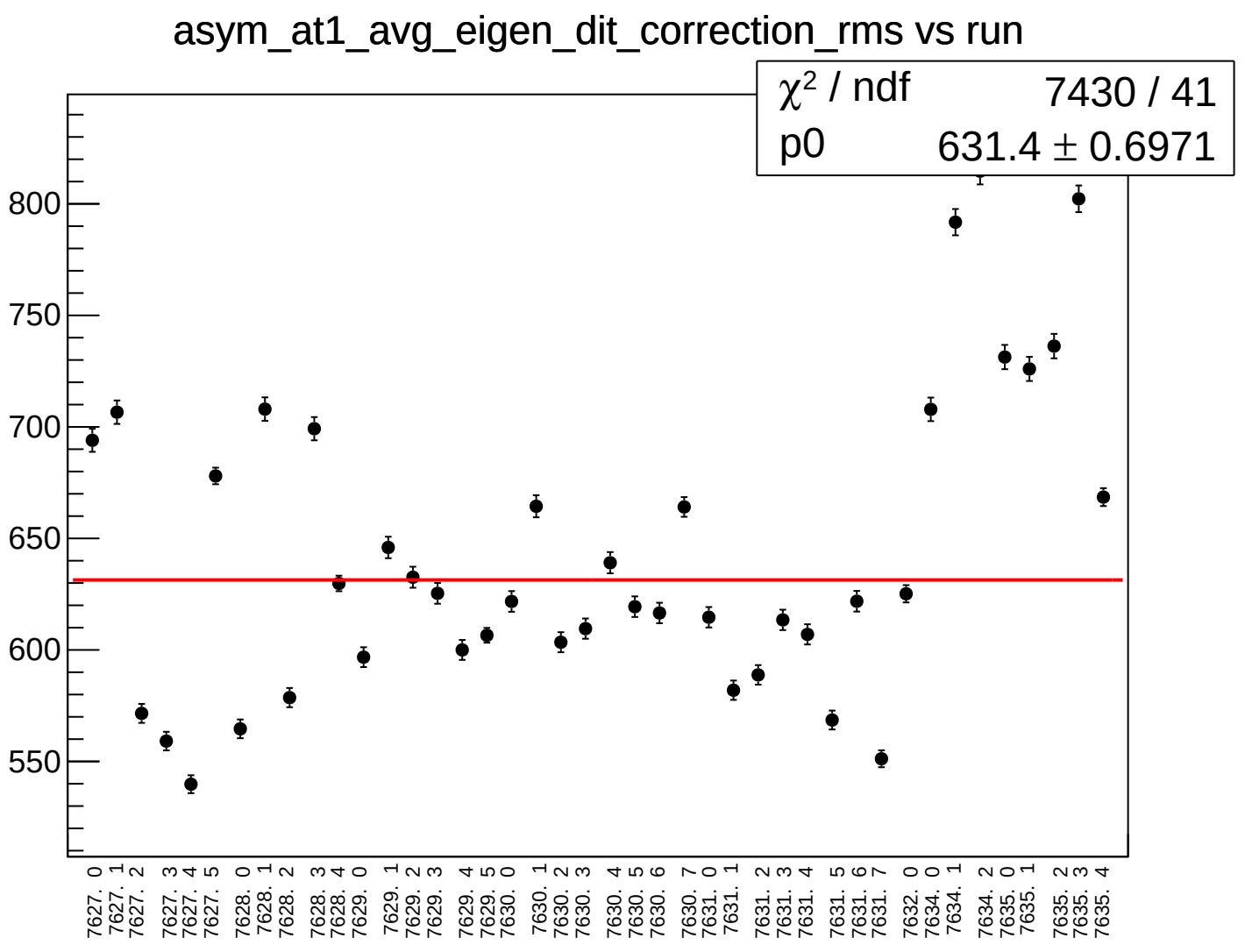

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 44.65 / 41
p0 −297.9 ± 985.9
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 147.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.008374
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

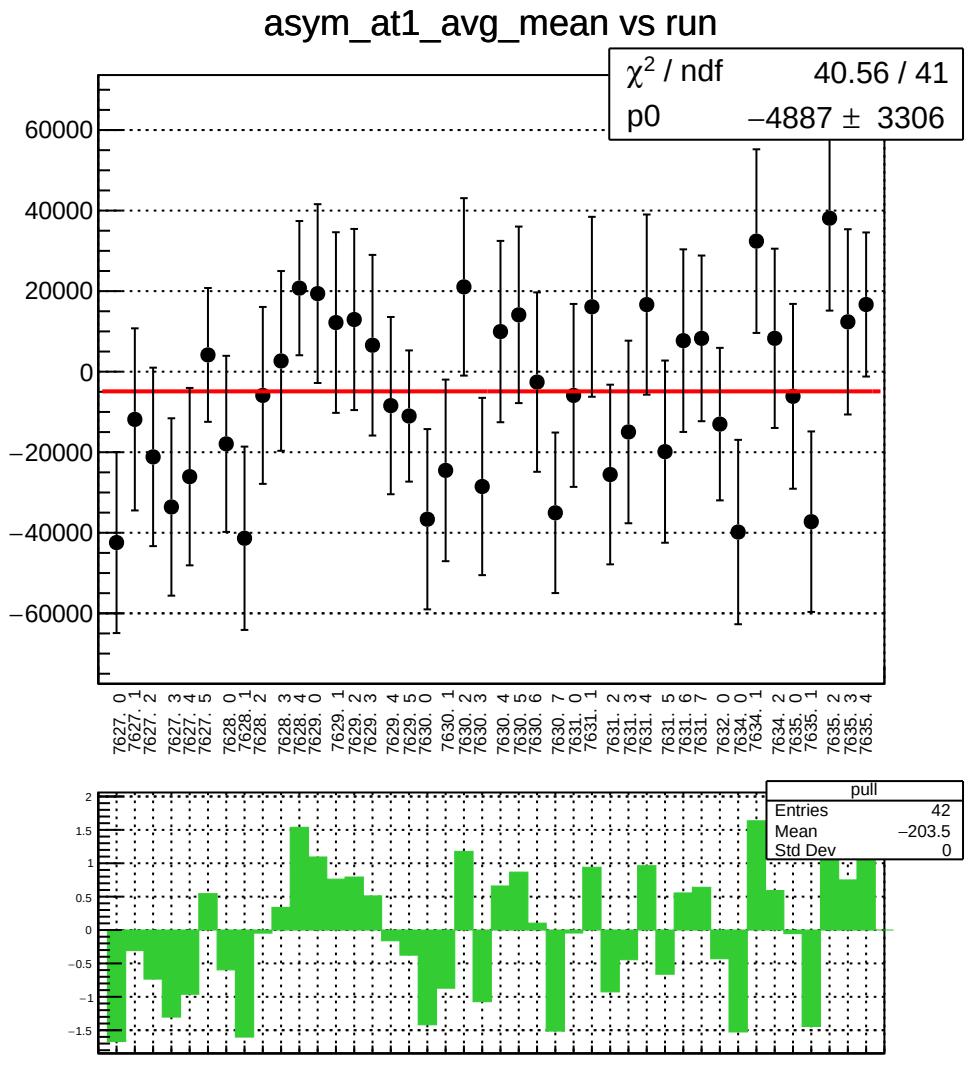

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 7430 / 41
p0 631.4 ± 0.6971
800
750
700
650
600
550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

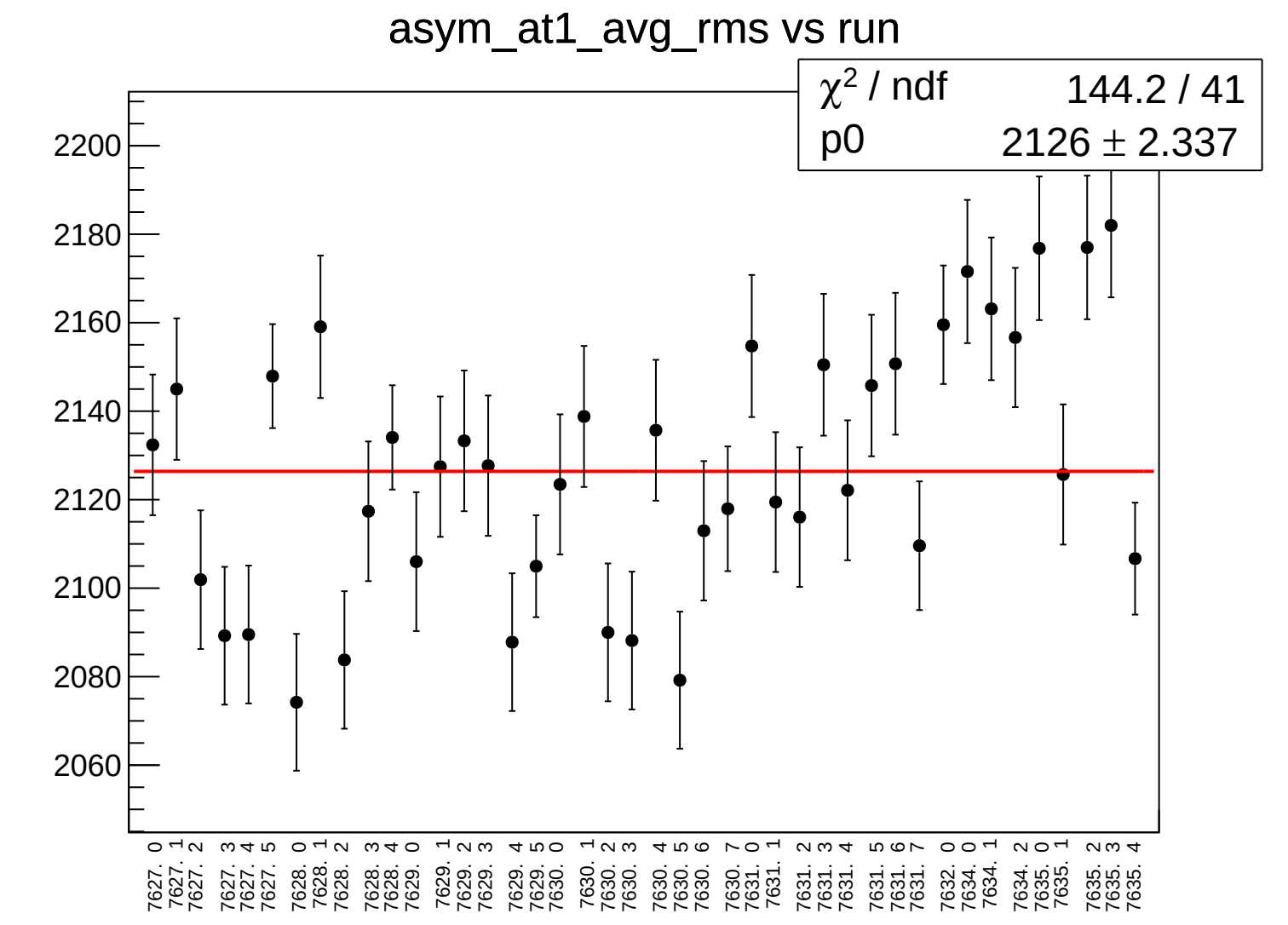

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 37.52 / 41
p0 −5354 ± 3141
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −189.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.01447
Std Dev 0.945
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 100 / 41
p0 2020 ± 2.221
2080
2060
2040
2020
2000
1980
1960
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 44.65 / 41
p0 −297.9 ± 985.9
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 147.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.008374
Std Dev 1.031
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 7430 / 41
p0 631.4 ± 0.6971
800
750
700
650
600
550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_avg_mean vs run
χ² / ndf 40.56 / 41
p0 −4887 ± 3306
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −203.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.01477
Std Dev 0.9826
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 144.2 / 41
p0 2126 ± 2.337
2200
2180
2160
2140
2120
2100
2080
2060
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
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7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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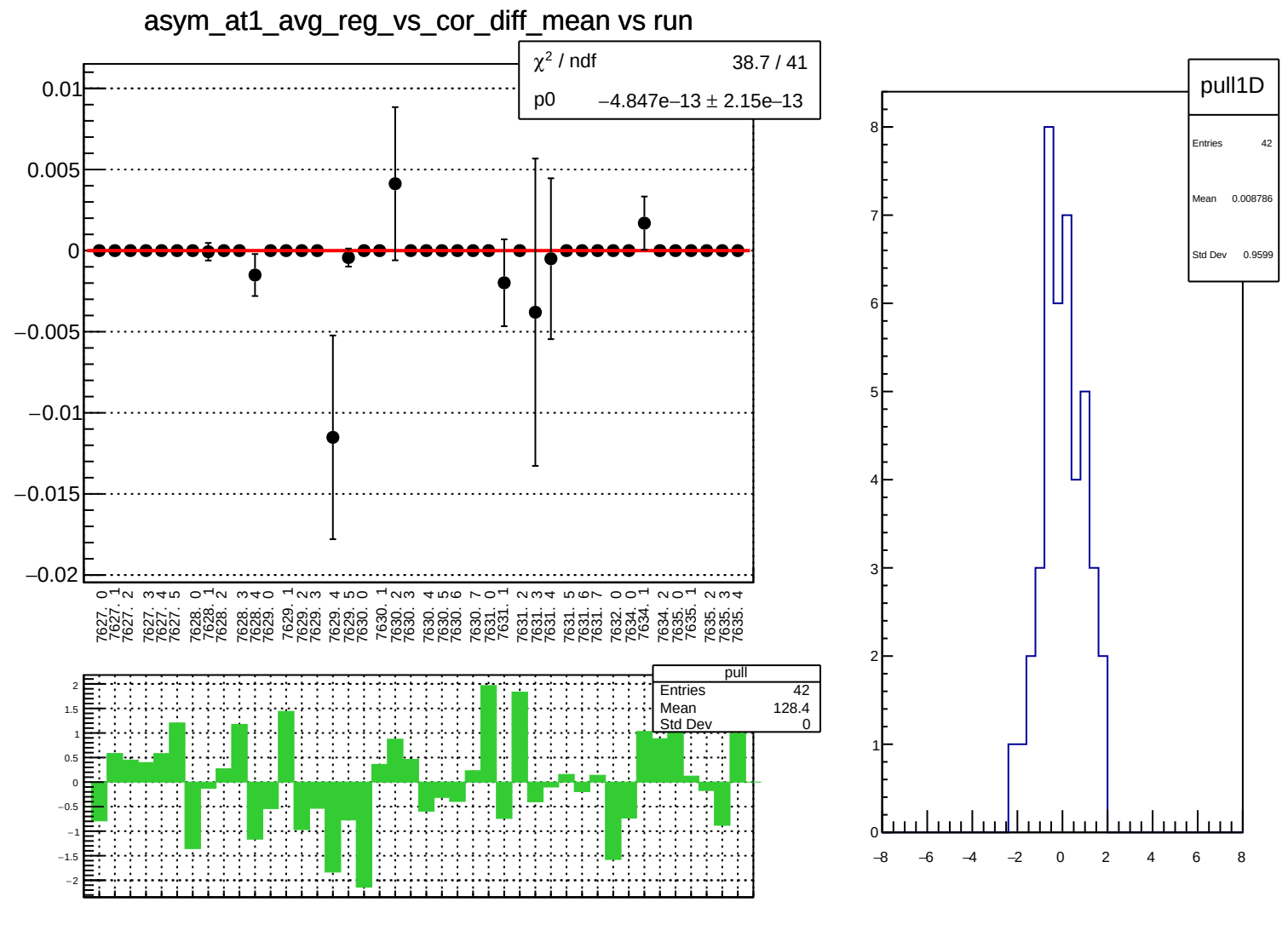
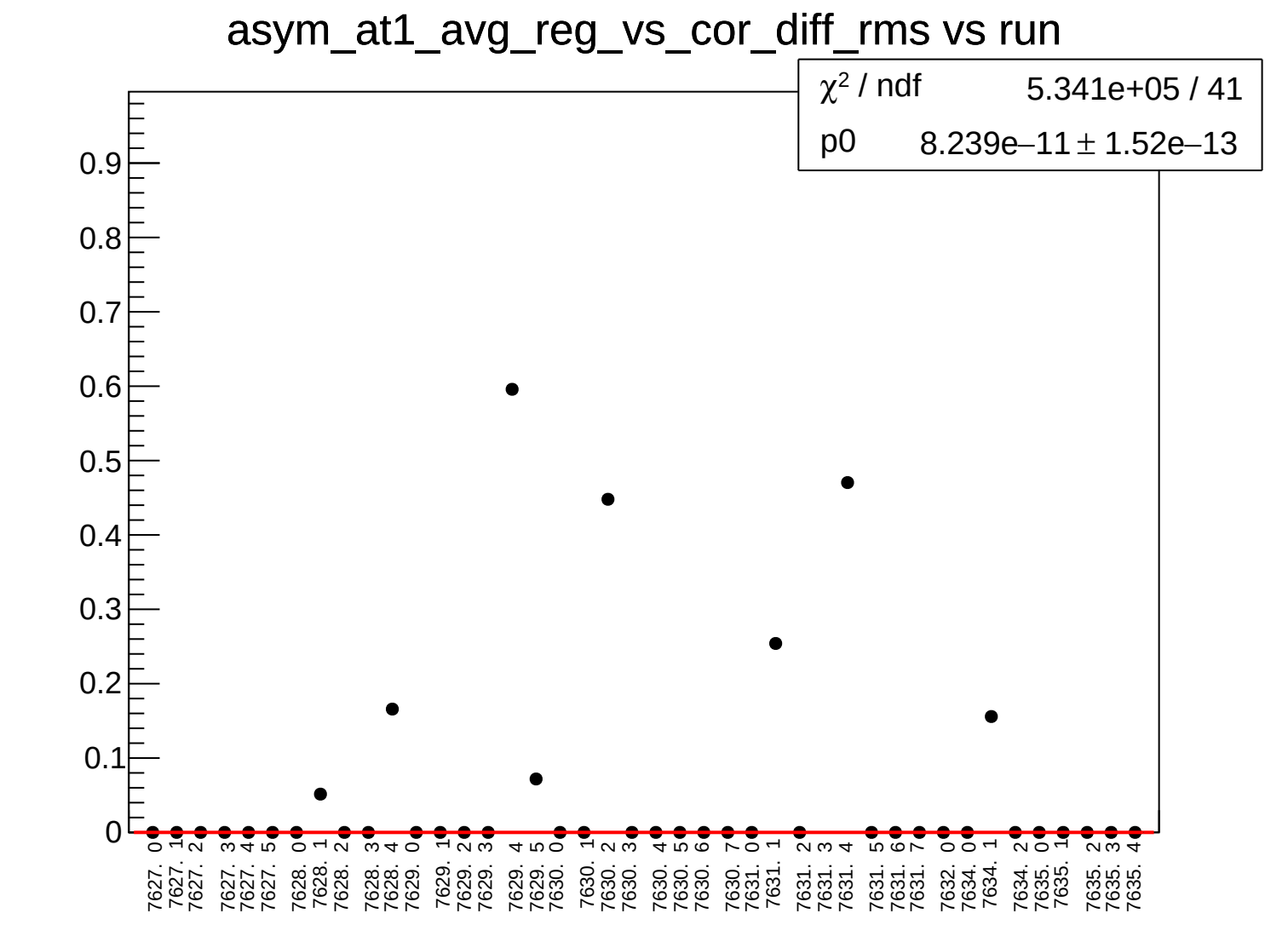
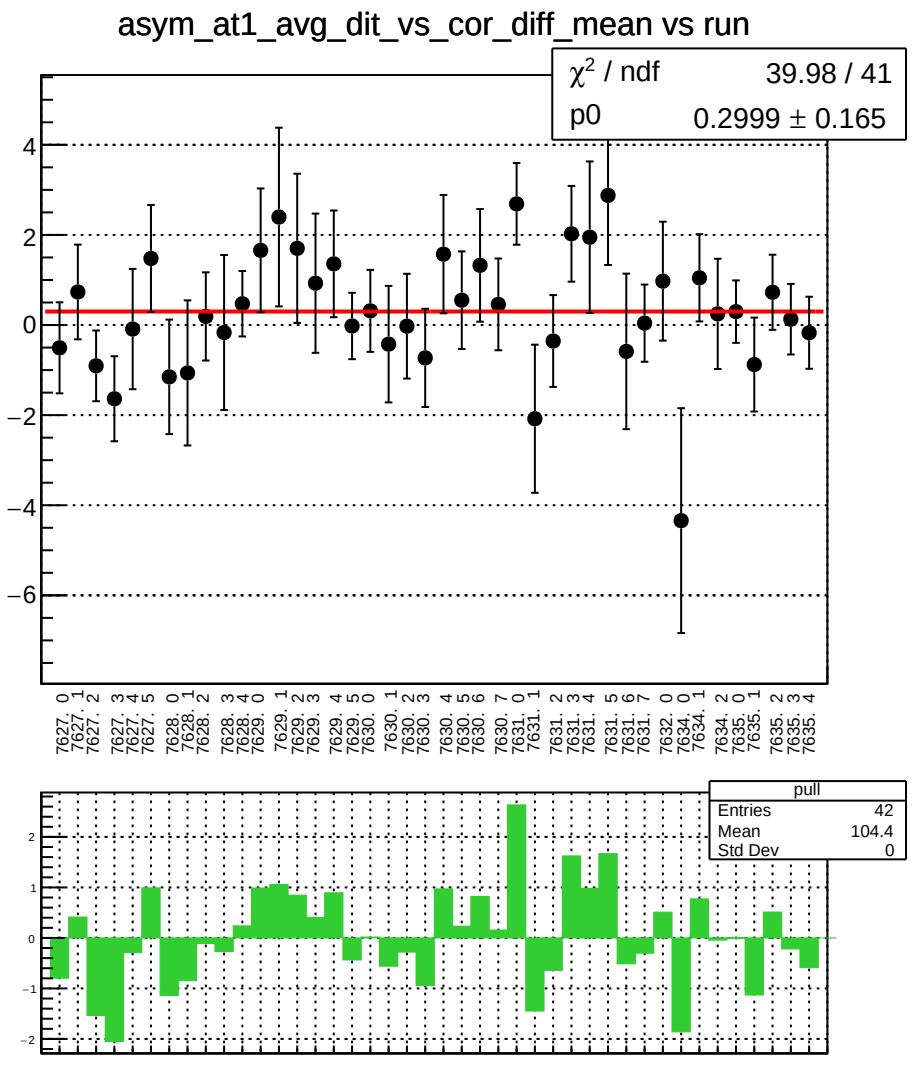
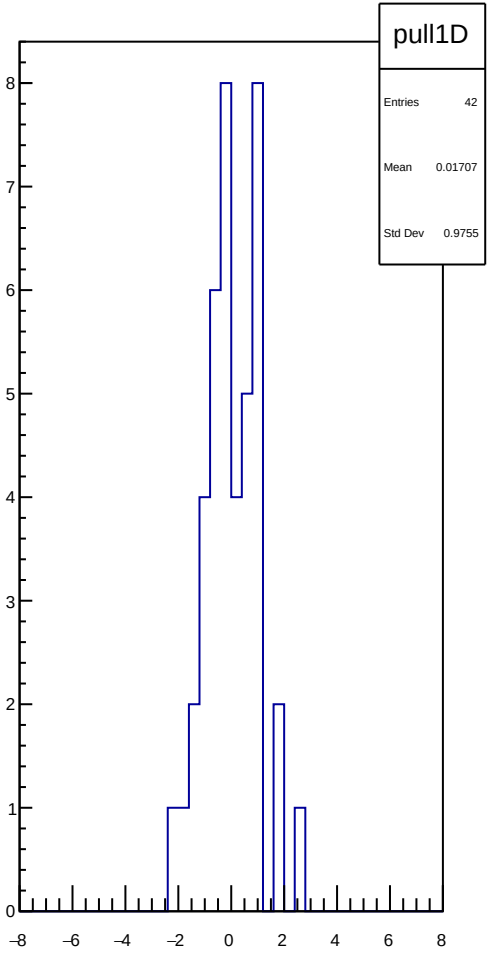
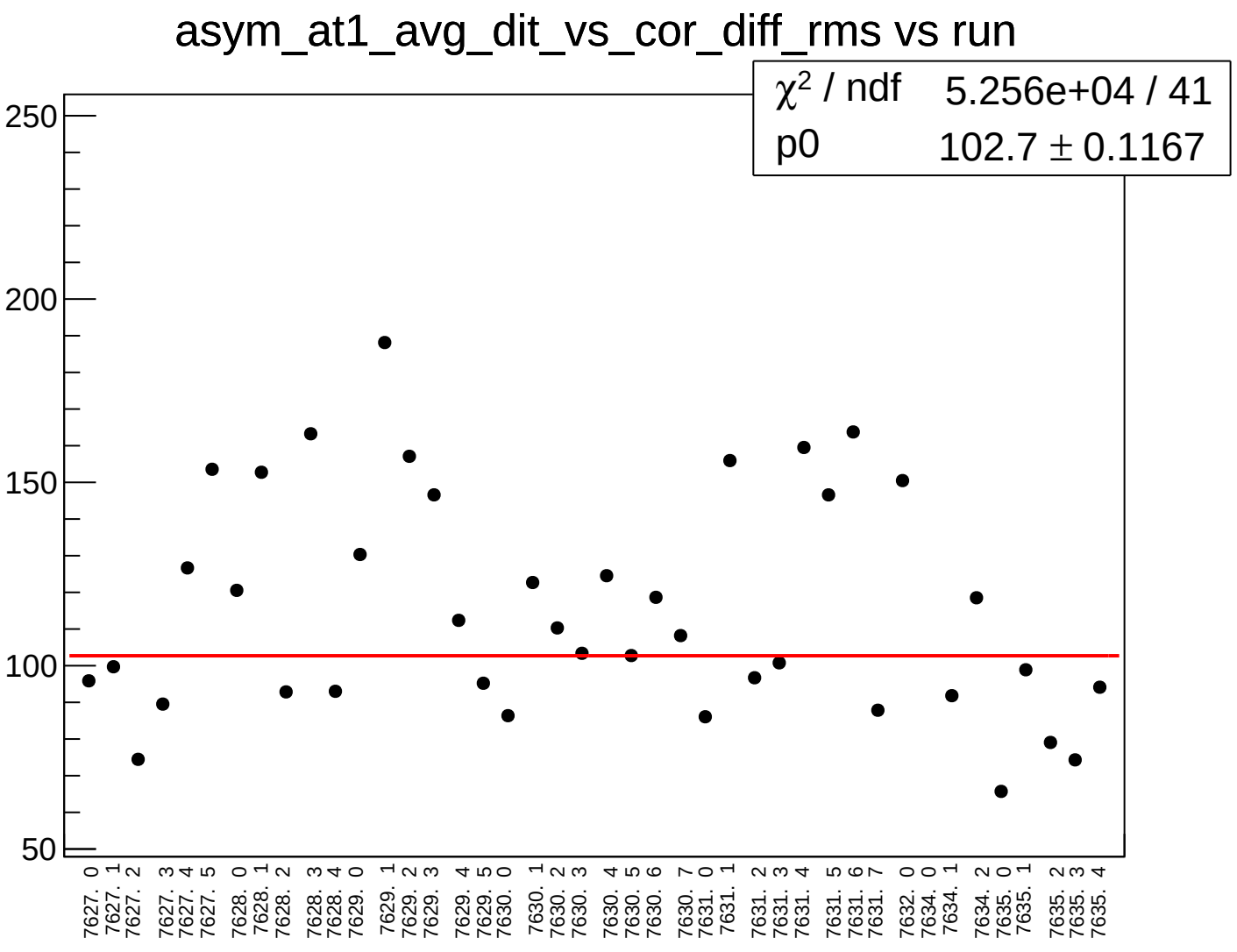
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 38.7 / 41
p0 −4.847e−13 ± 2.15e−13
pull
Entries 42
Mean 128.4
Std Dev 0
pull1D
Entries 42
Mean 0.008786
Std Dev 0.9599

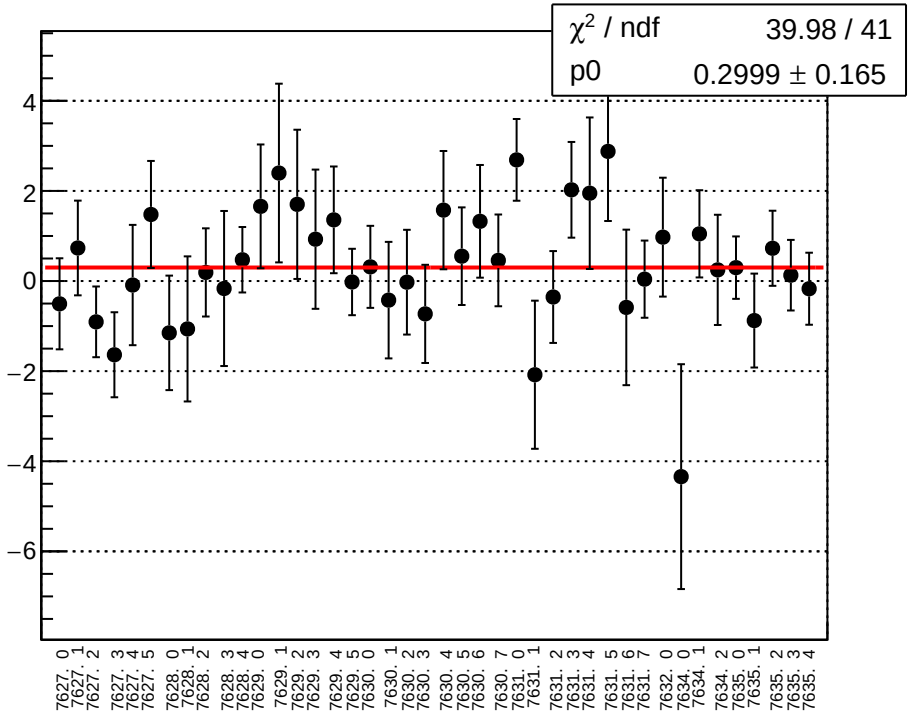

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.341e+05 / 41
p0 8.239e−11 ± 1.52e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

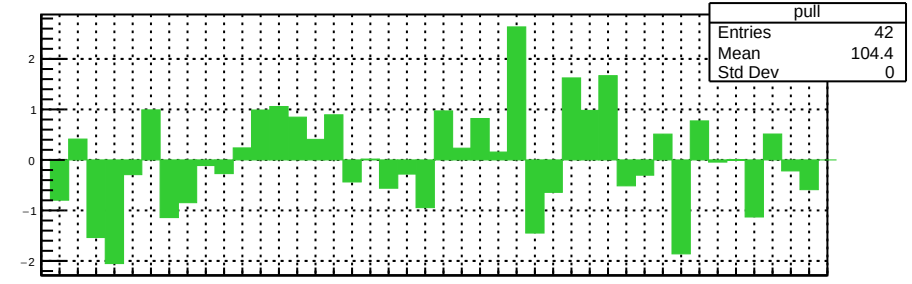

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.98 / 41
p0 0.2999 ± 0.165
pull
Entries 42
Mean 104.4
Std Dev 0

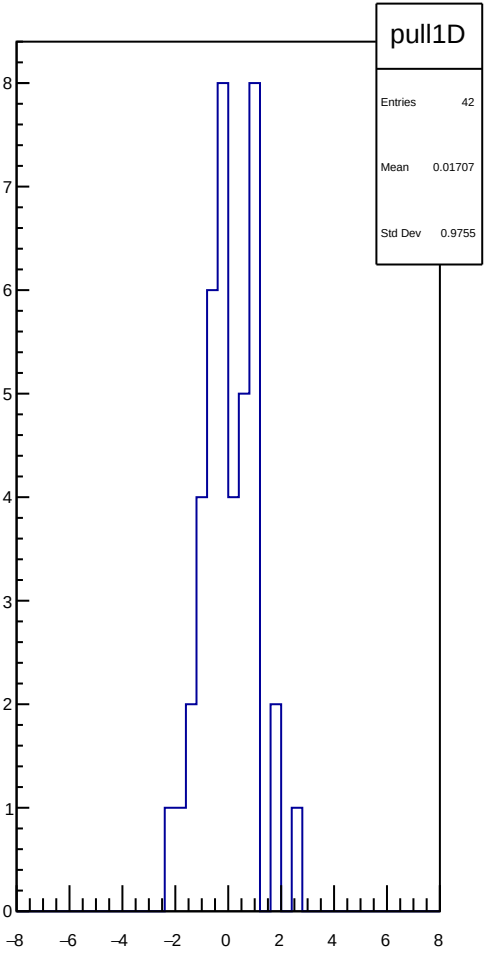

pull1D
Entries 42
Mean 0.01707
Std Dev 0.9755

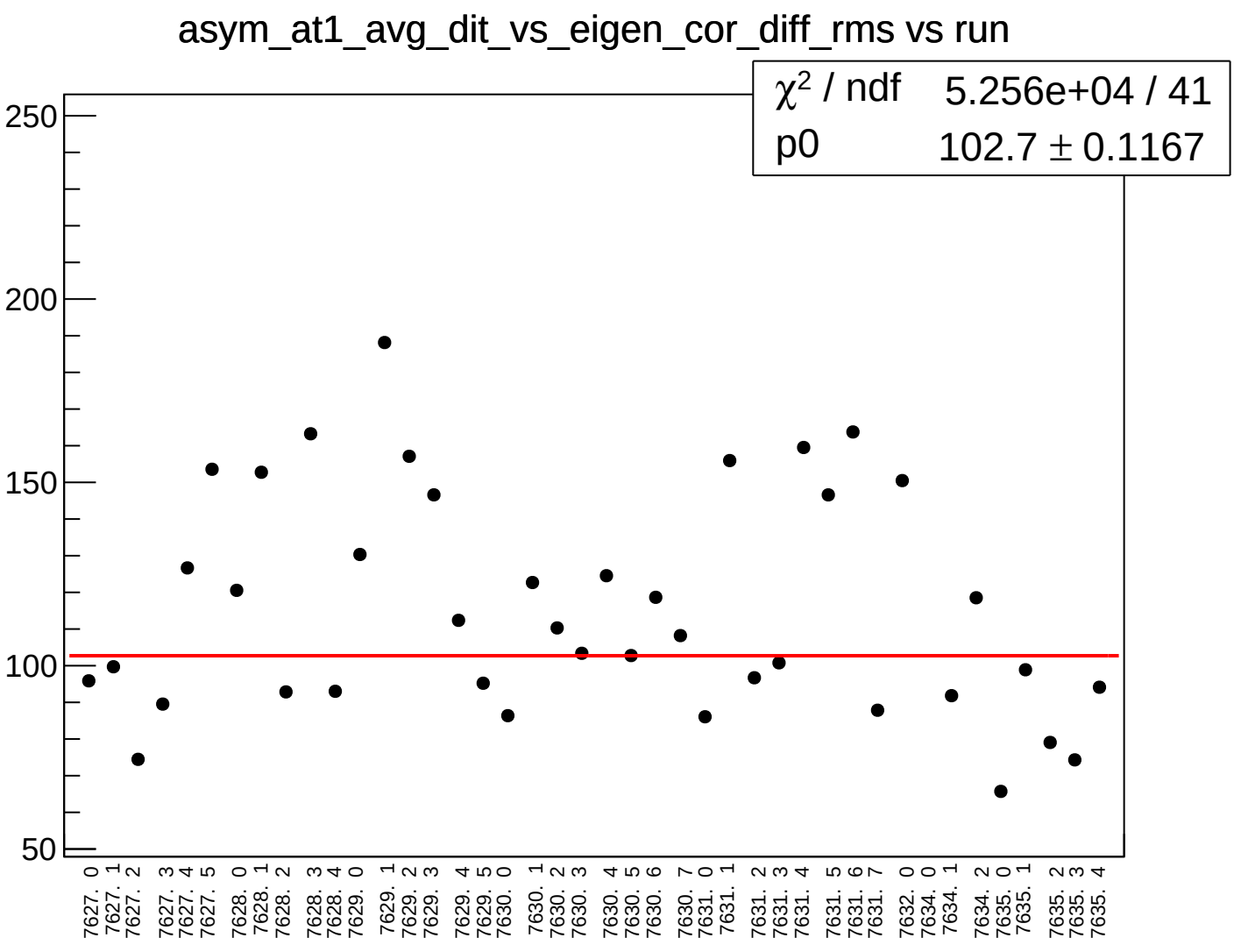

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.256e+04 / 41
p0 102.7 ± 0.1167
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

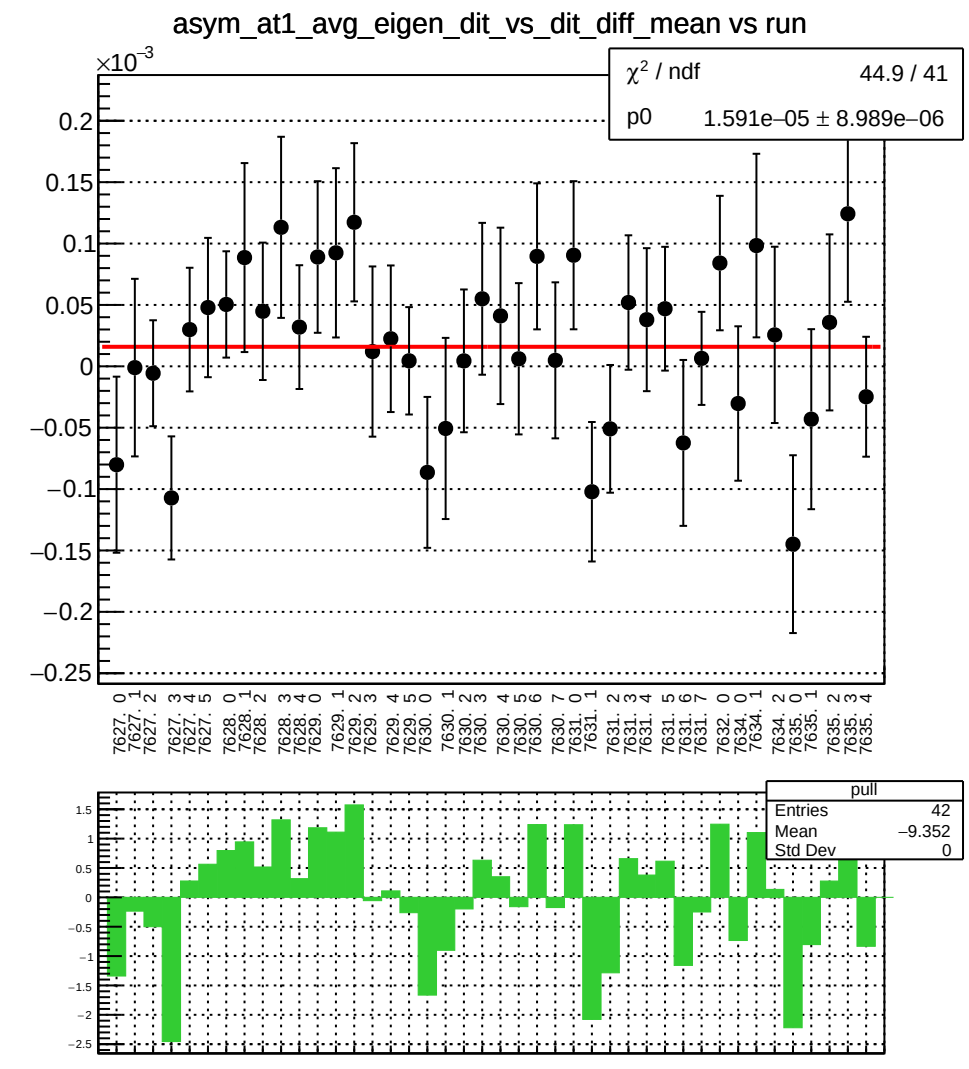
asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run

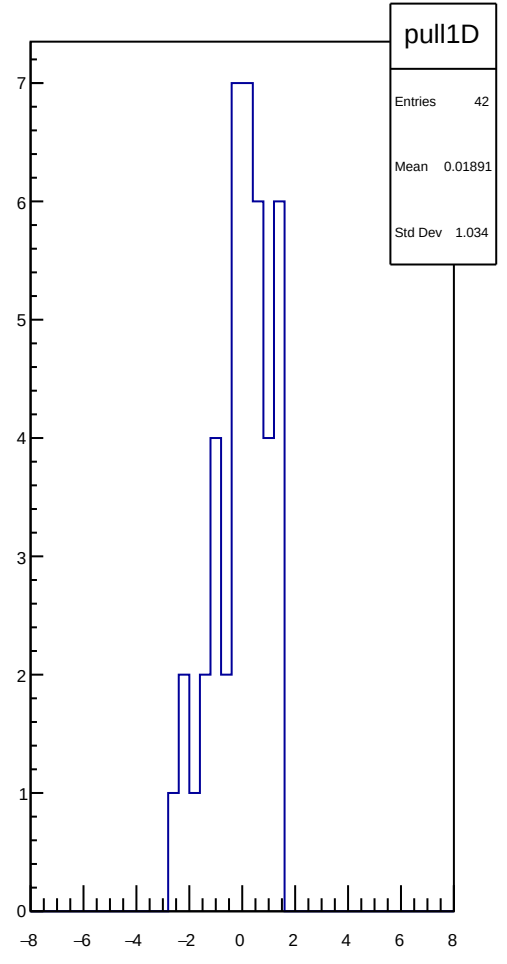


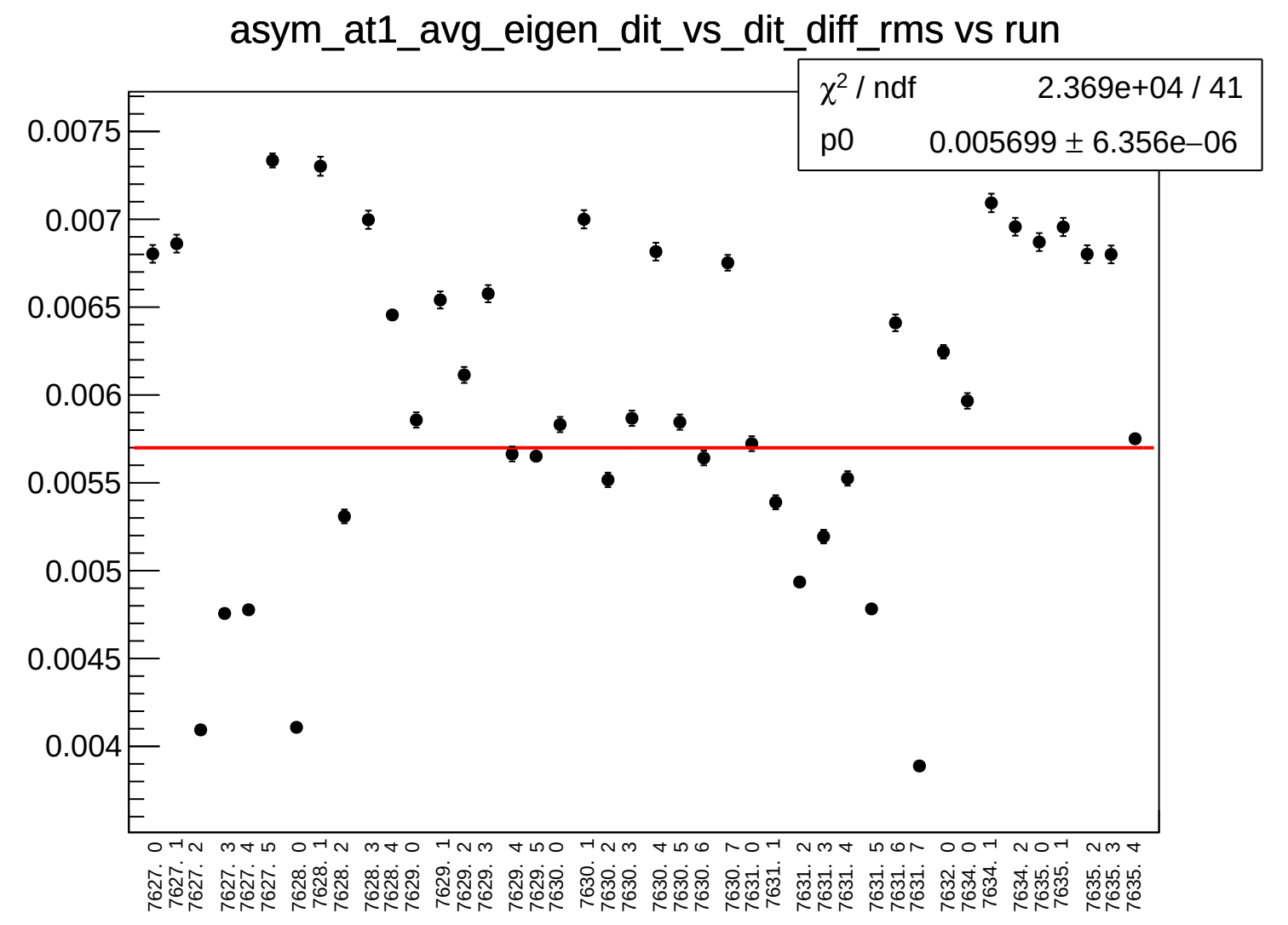




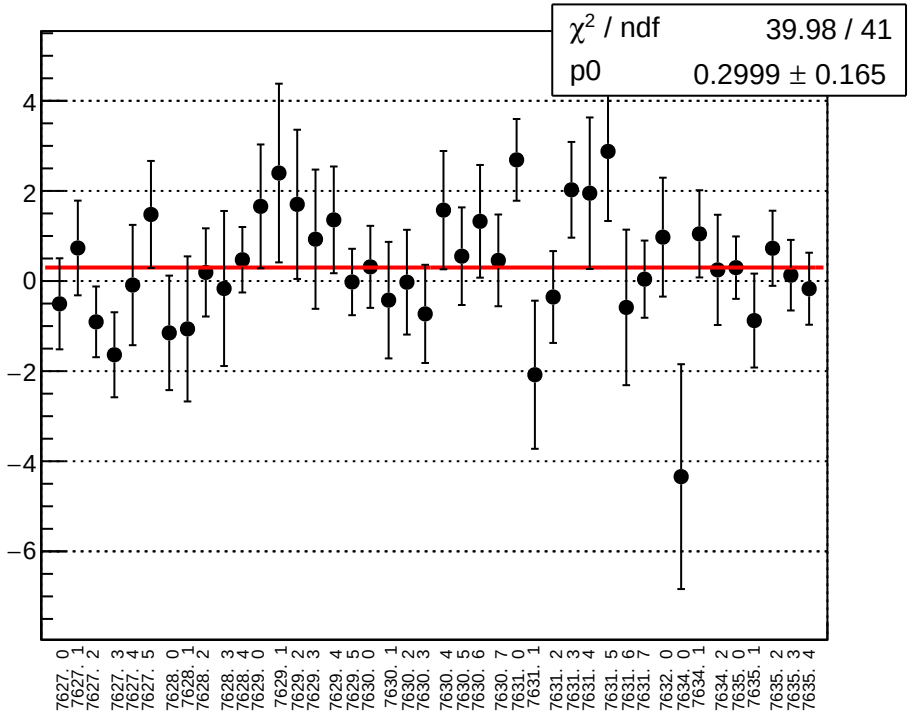

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.256e+04 / 41
p0 102.7 ± 0.1167
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

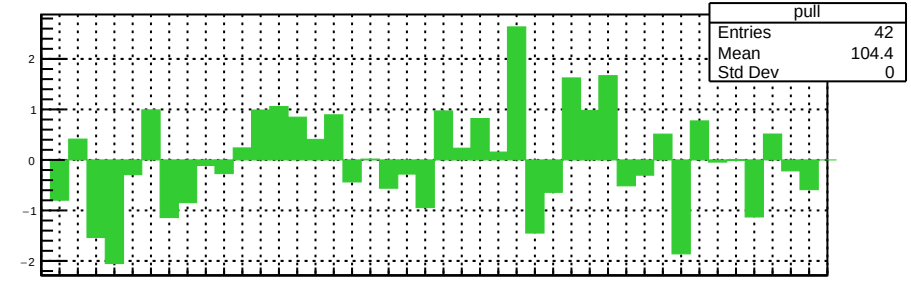

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.9 / 41
p0 1.591e−05 ± 8.989e−06
pull
Entries 42
Mean −9.352
Std Dev 0

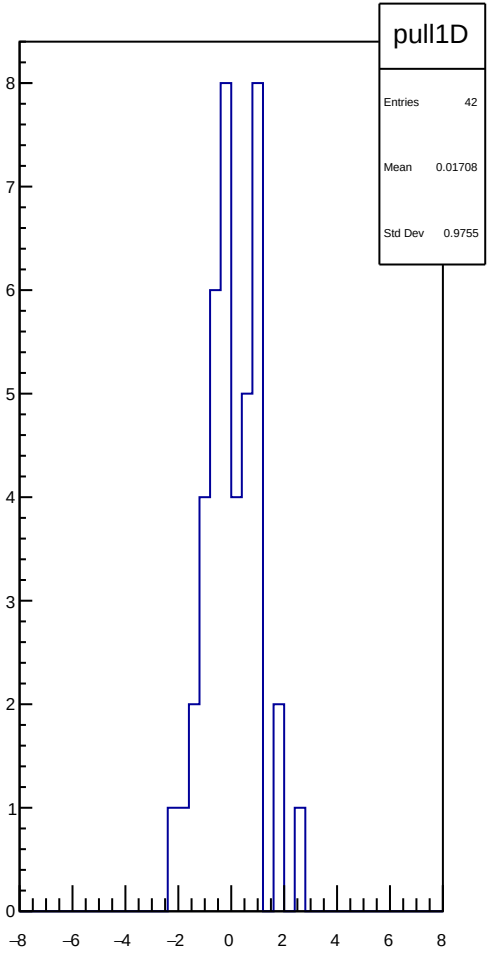

pull1D
Entries 42
Mean 0.01891
Std Dev 1.034

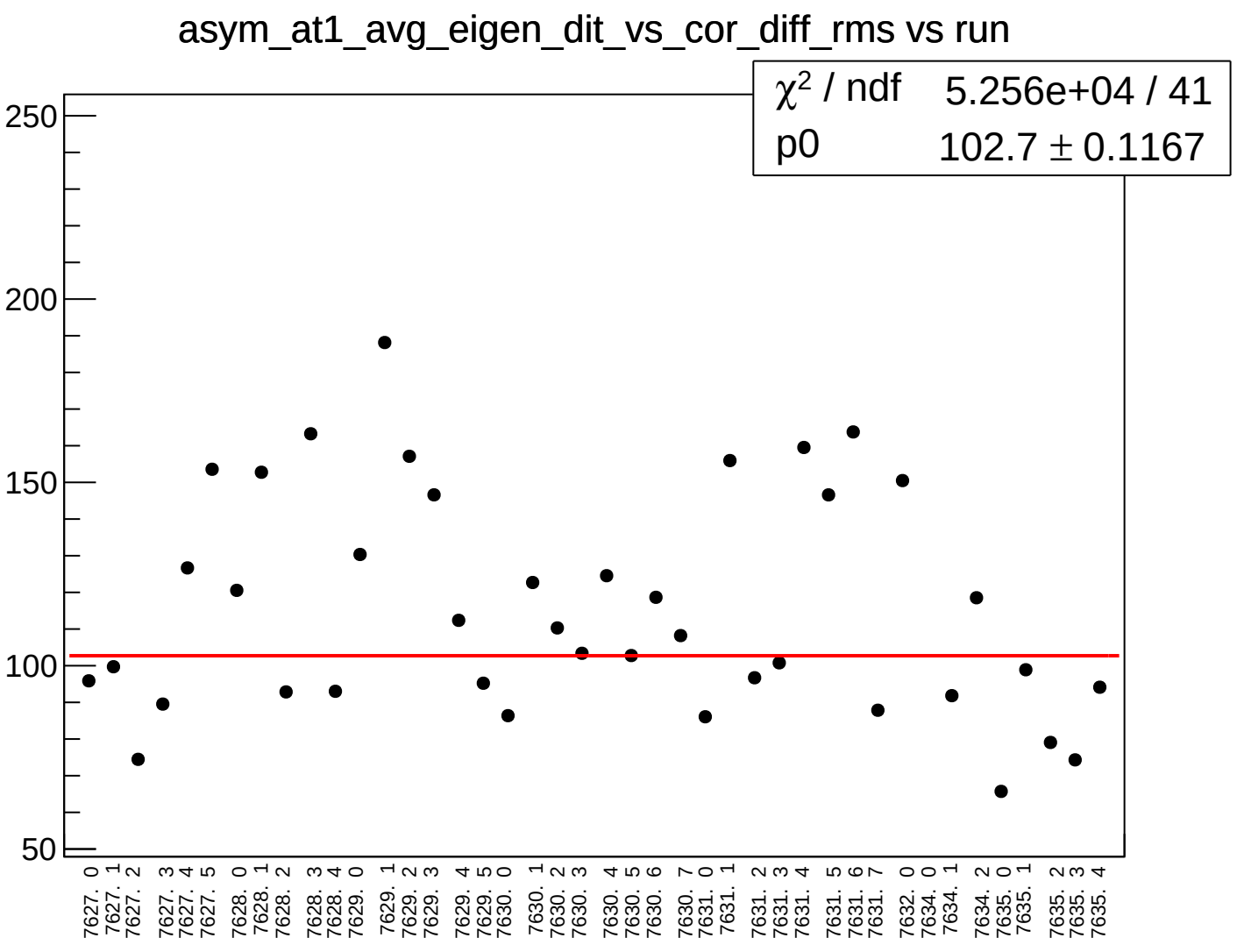

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.369e+04 / 41
p0 0.005699 ± 6.356e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

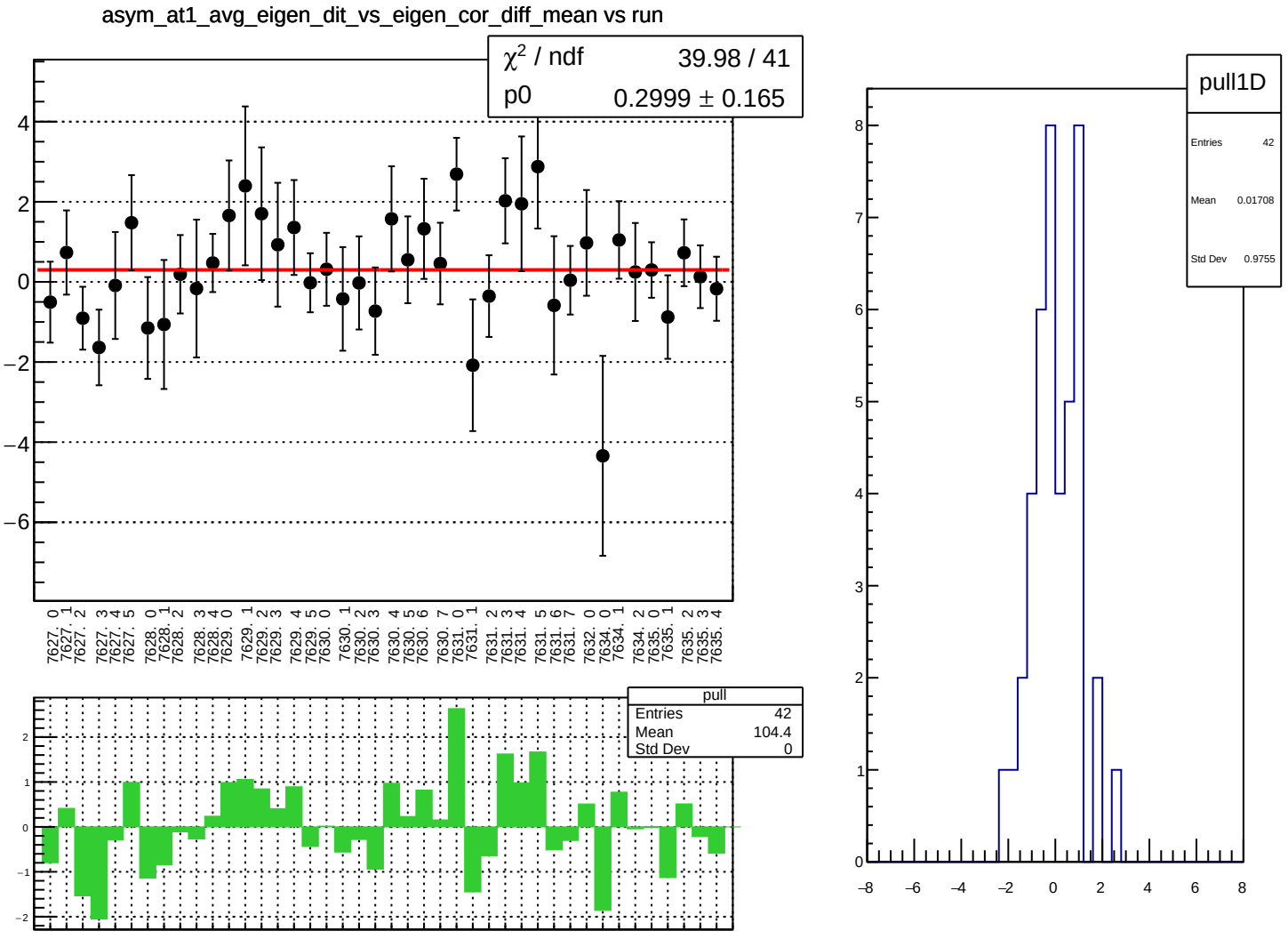
asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run

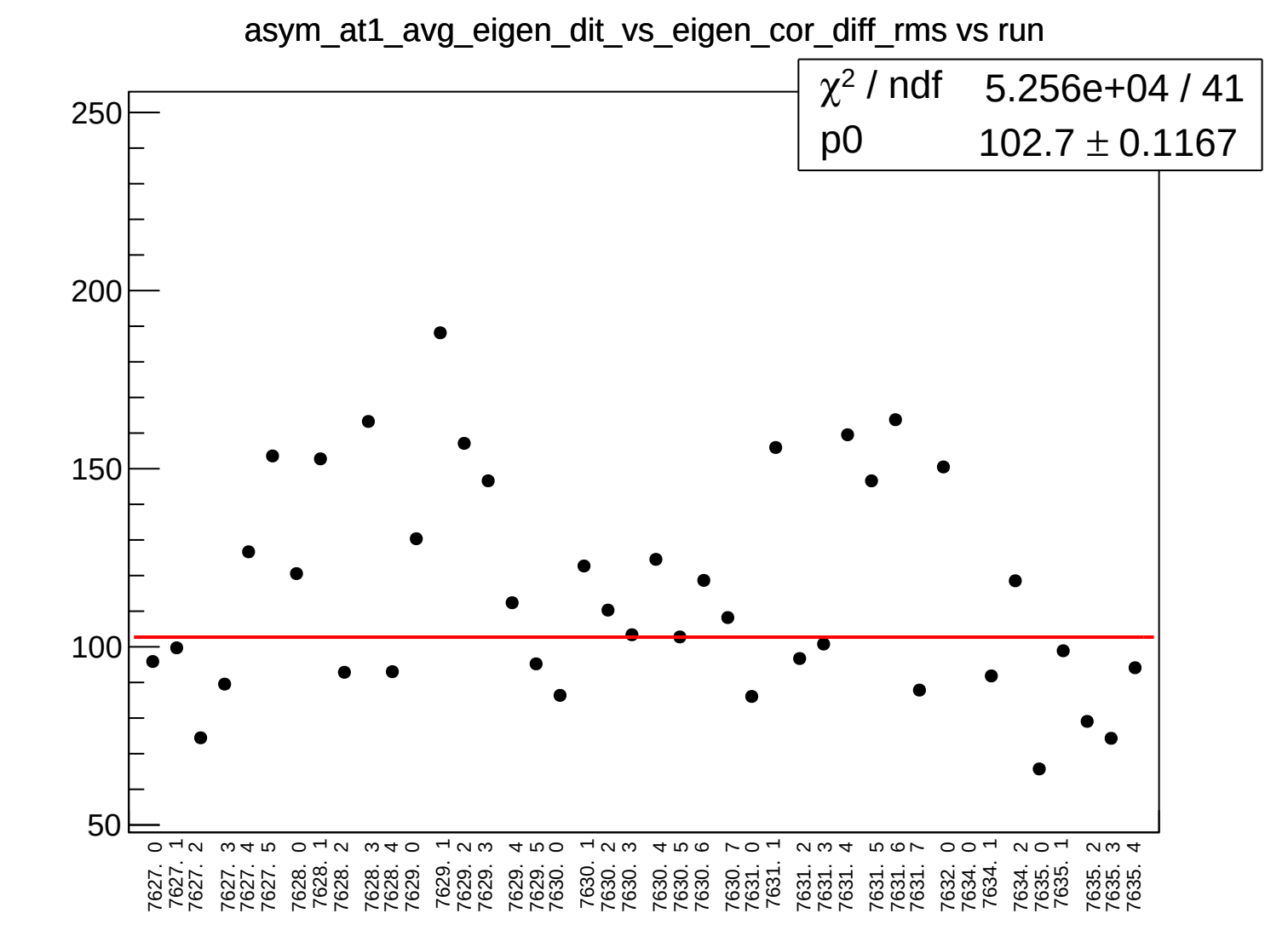


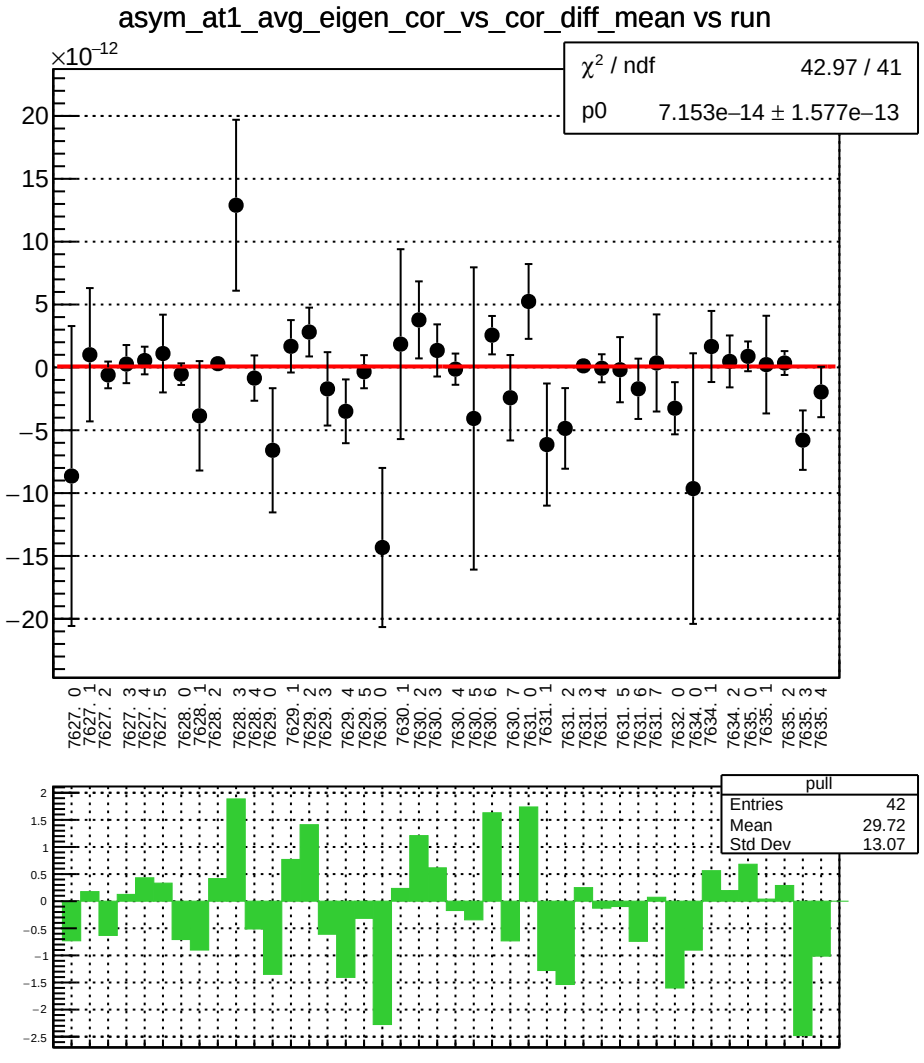


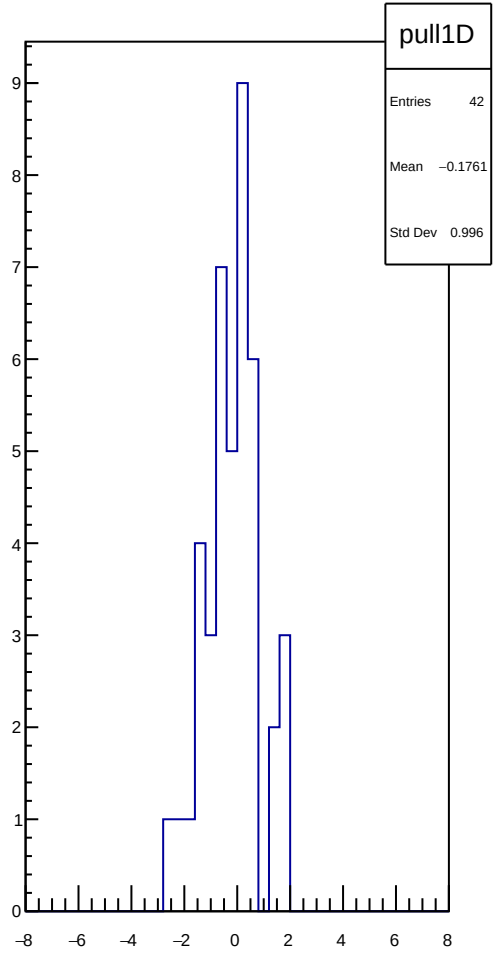


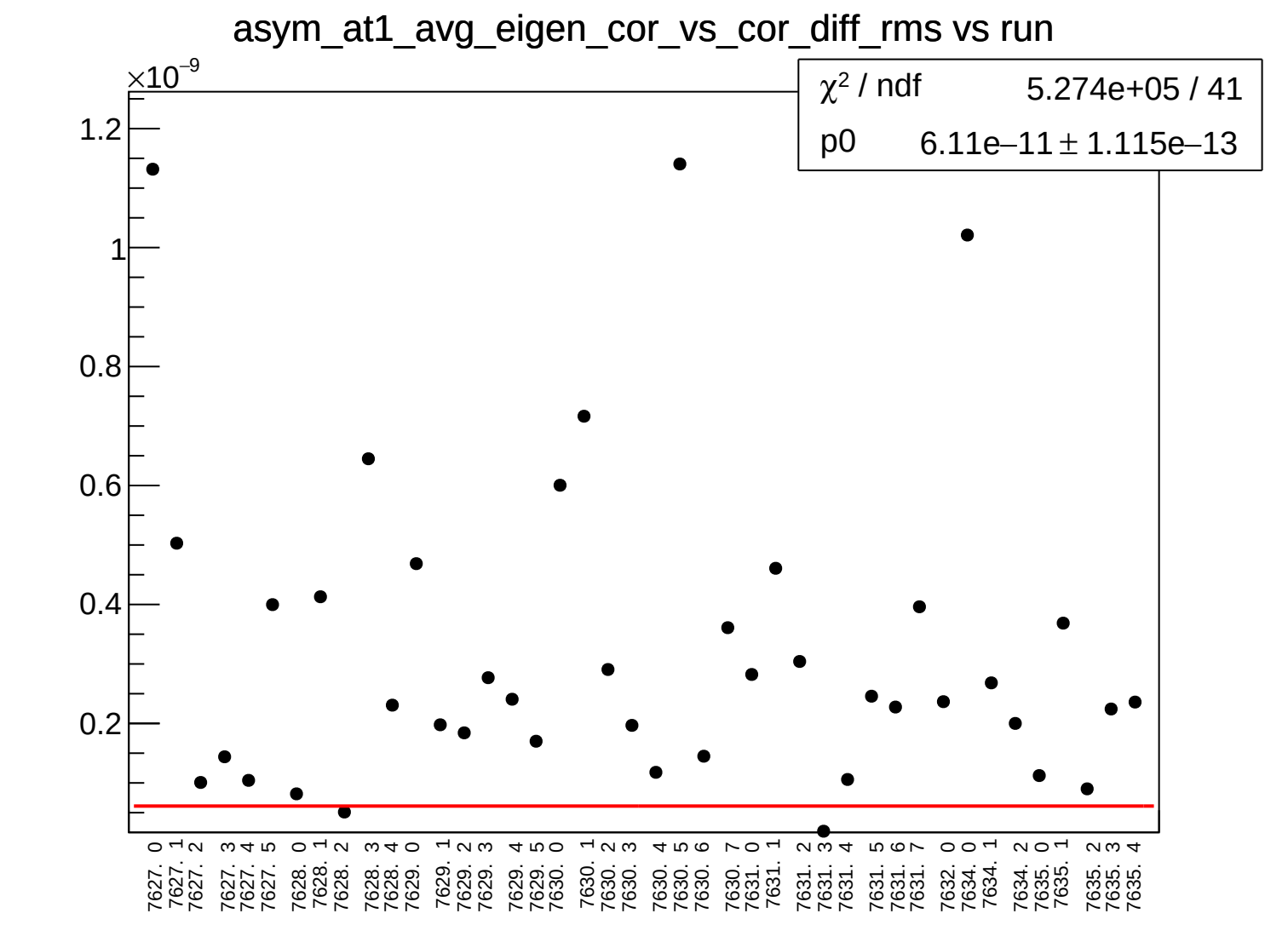

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.256e+04 / 41
p0 102.7 ± 0.1167
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

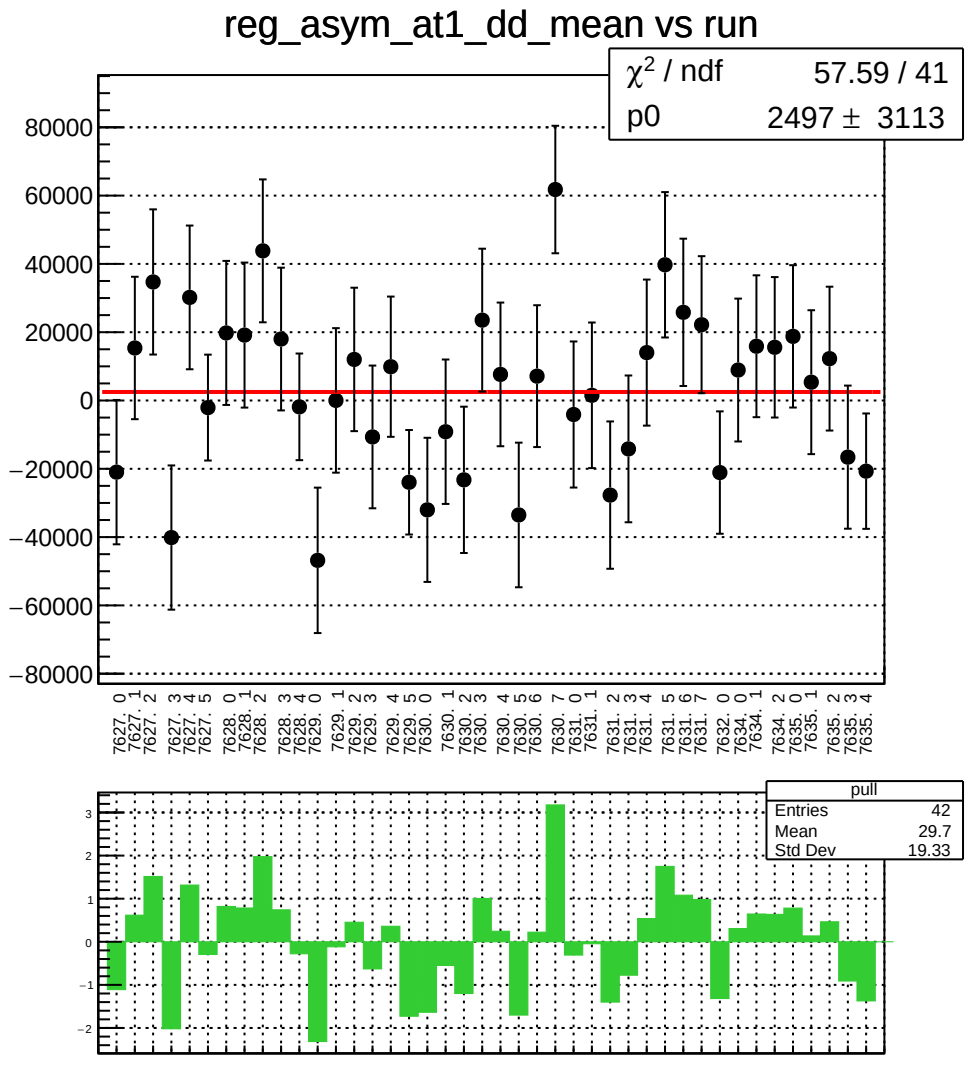

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.98 / 41
p0 0.2999 ± 0.165
pull
Entries 42
Mean 104.4
Std Dev 0
pull1D
Entries 42
Mean 0.01708
Std Dev 0.9755

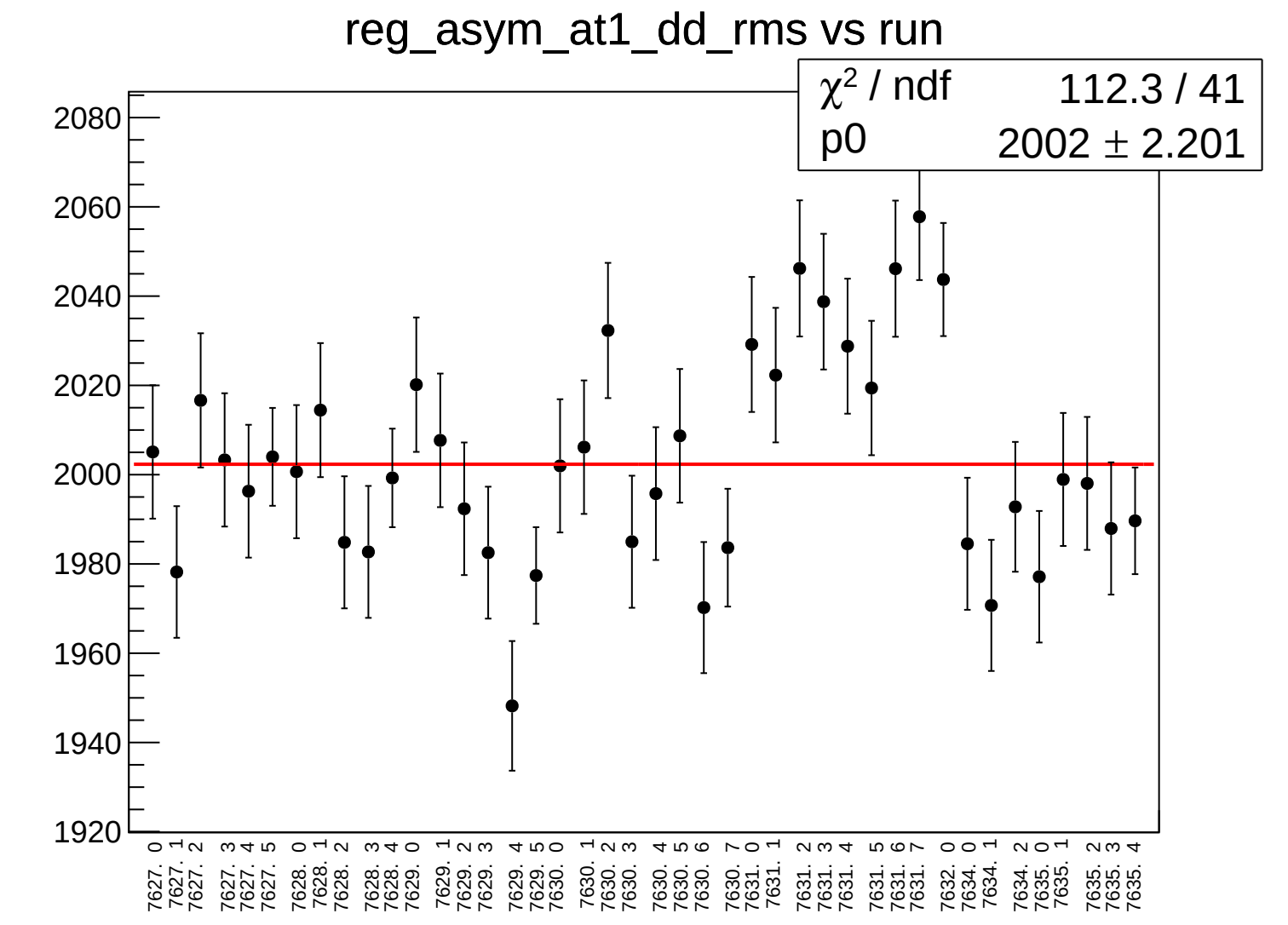

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.256e+04 / 41
p0 102.7 ± 0.1167
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

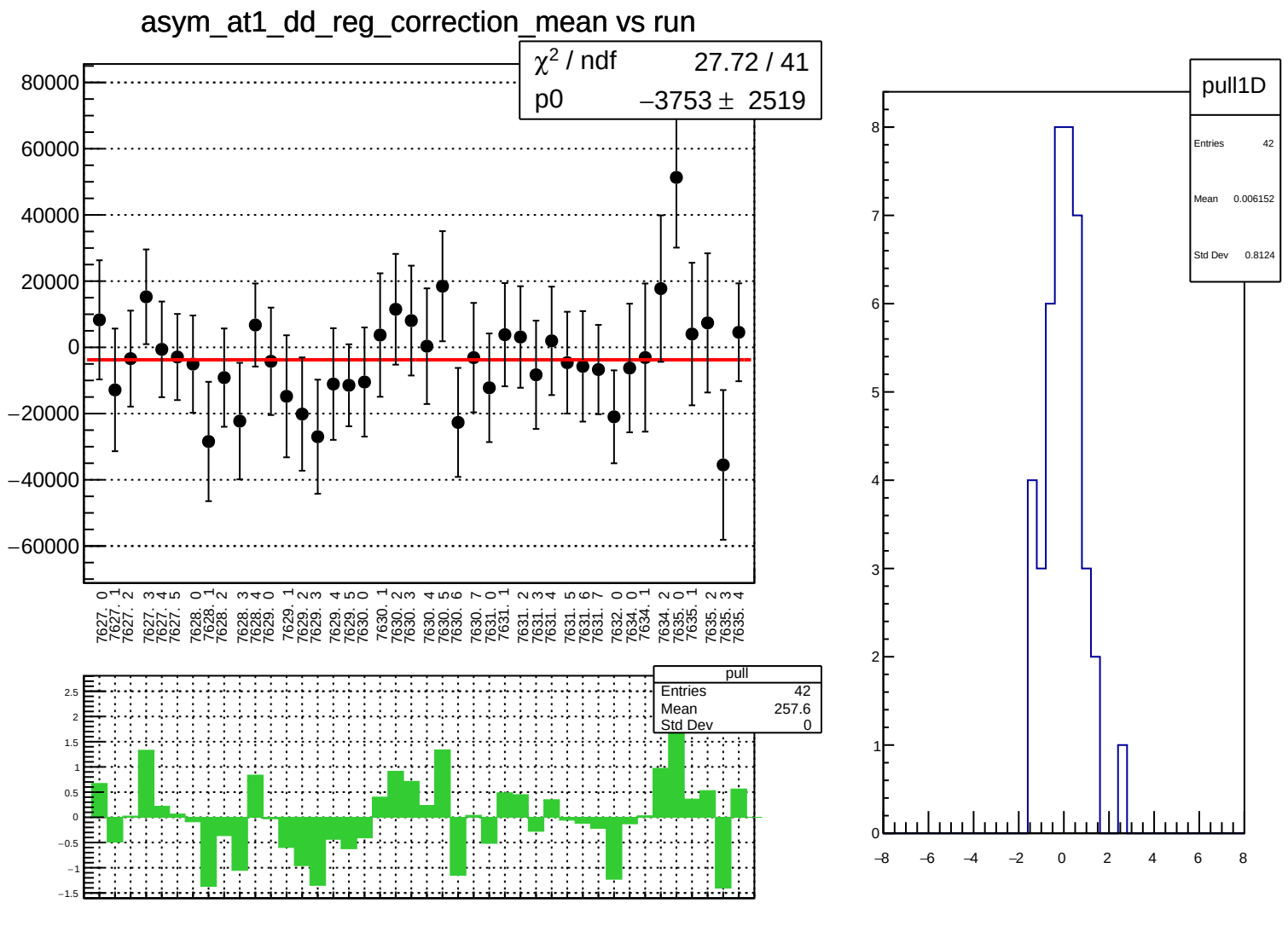

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.97 / 41
p0 7.153e−14 ± 1.577e−13
pull
Entries 42
Mean 29.72
Std Dev 13.07

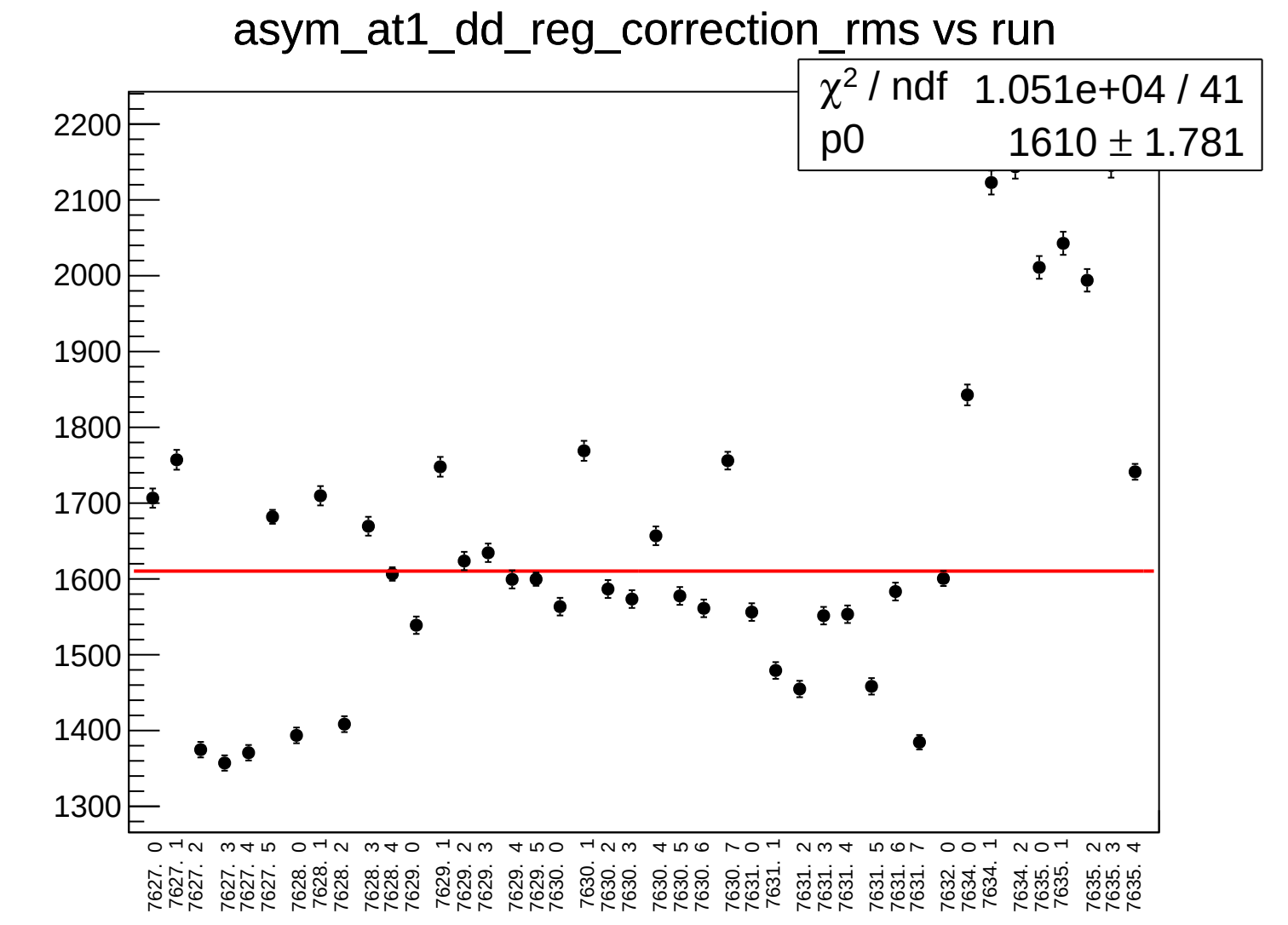

pull1D
Entries 42
Mean −0.1761
Std Dev 0.996

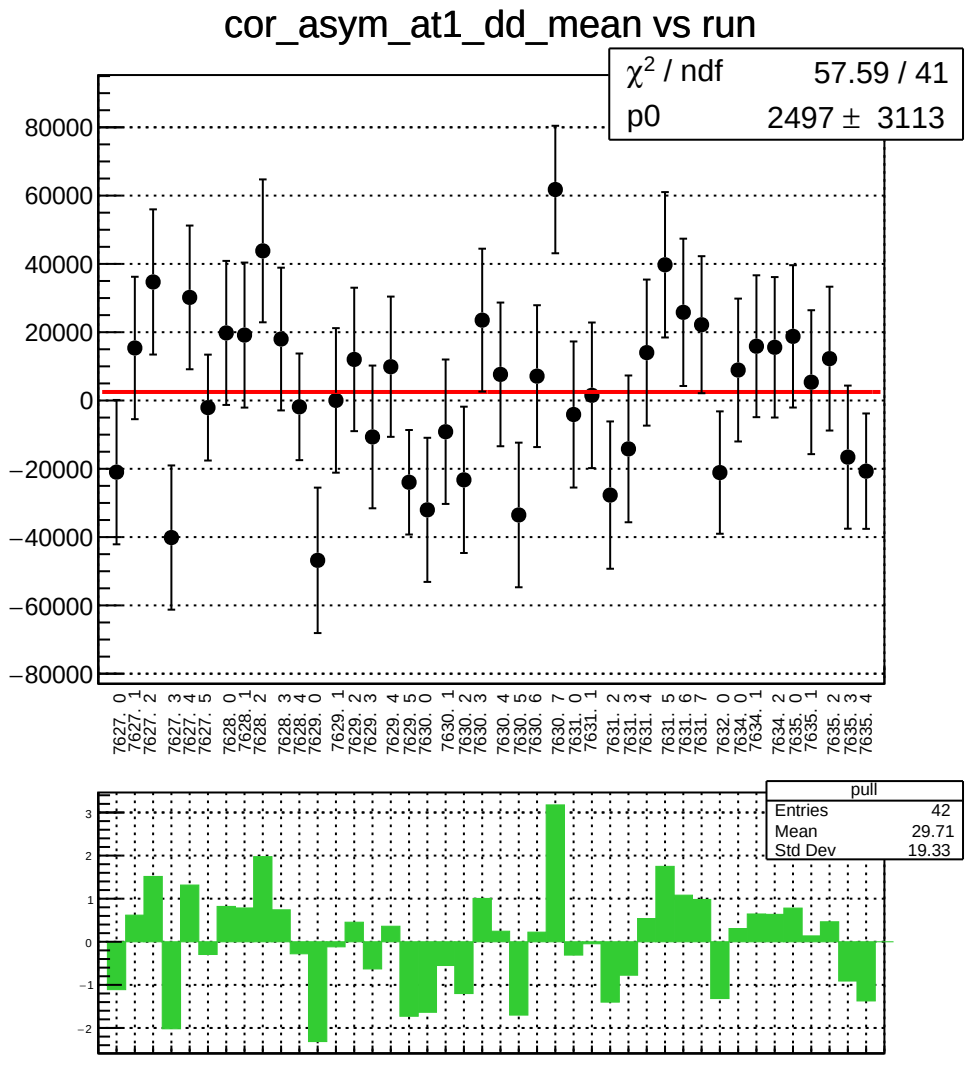

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.274e+05 / 41
p0 6.11e−11 ± 1.115e−13
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


reg_asym_at1_dd_mean vs run
χ² / ndf 57.59 / 41
p0 2497 ± 3113
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 29.7
Std Dev 19.33
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.02011
Std Dev 1.171
9
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 112.3 / 41
p0 2002 ± 2.201
2080
2060
2040
2020
2000
1980
1960
1940
1920
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_dd_reg_correction_mean vs run
χ² / ndf 27.72 / 41
p0 −3753 ± 2519
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 257.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.006152
Std Dev 0.8124
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_reg_correction_rms vs run
χ² / ndf 1.051e+04 / 41
p0 1610 ± 1.781
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_at1_dd_mean vs run
χ² / ndf 57.59 / 41
p0 2497 ± 3113
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 29.71
Std Dev 19.33
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.0201
Std Dev 1.171
9
8
7
6
5
4
3
2
1
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−8
−6
−4
−2
0
2
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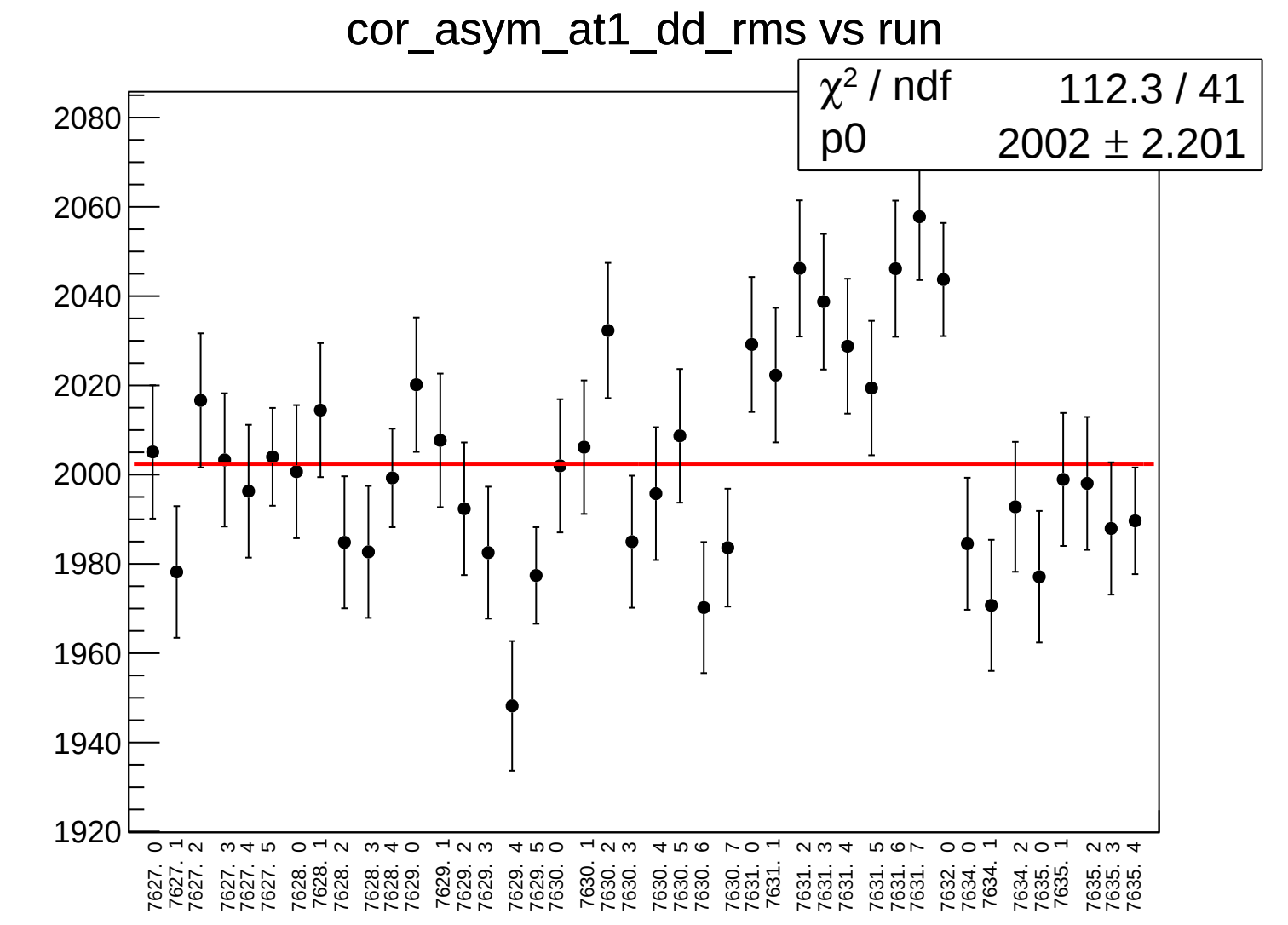
6
8


cor_asym_at1_dd_rms vs run
χ² / ndf 112.3 / 41
p0 2002 ± 2.201
2080
2060
2040
2020
2000
1980
1960
1940
1920
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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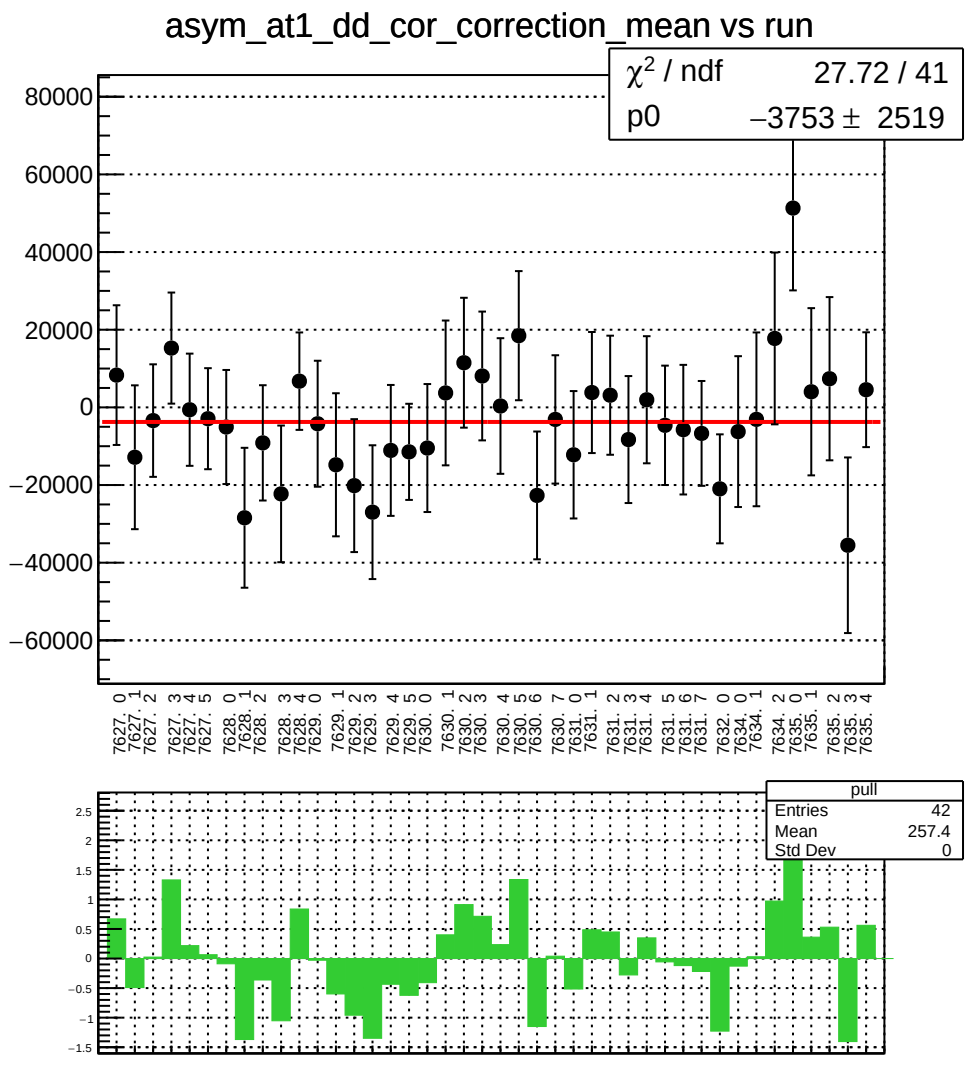
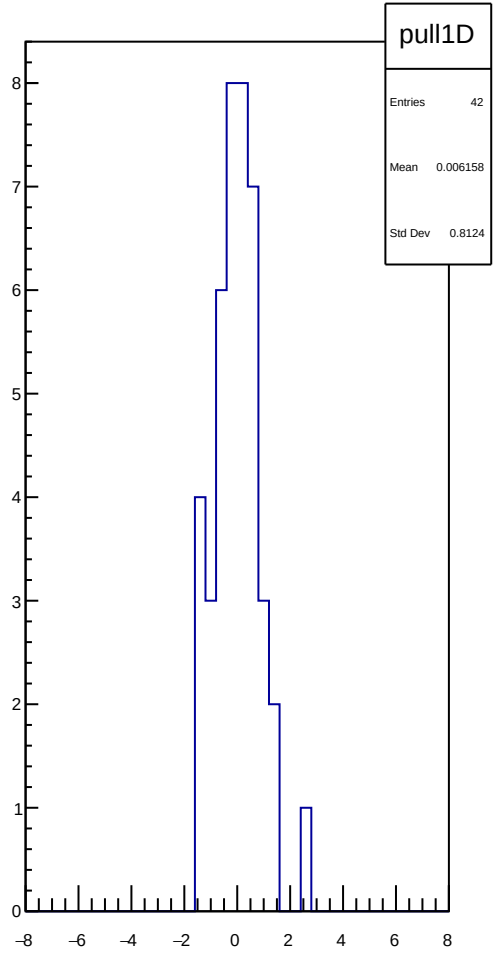
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_dd_cor_correction_mean vs run
χ² / ndf 27.72 / 41
p0 −3753 ± 2519
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 257.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.006158
Std Dev 0.8124
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7
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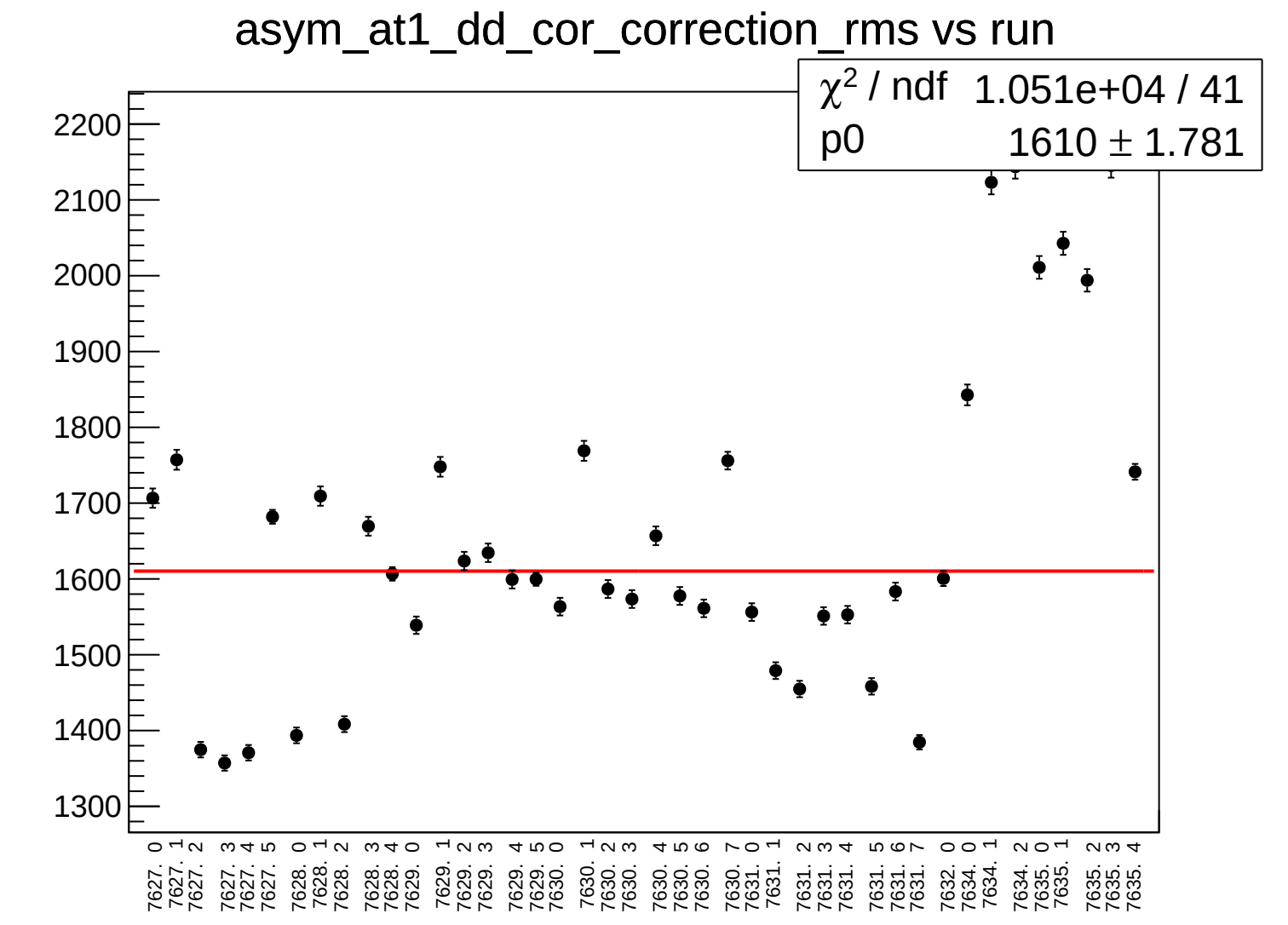
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_cor_correction_rms vs run
χ² / ndf 1.051e+04 / 41
p0 1610 ± 1.781
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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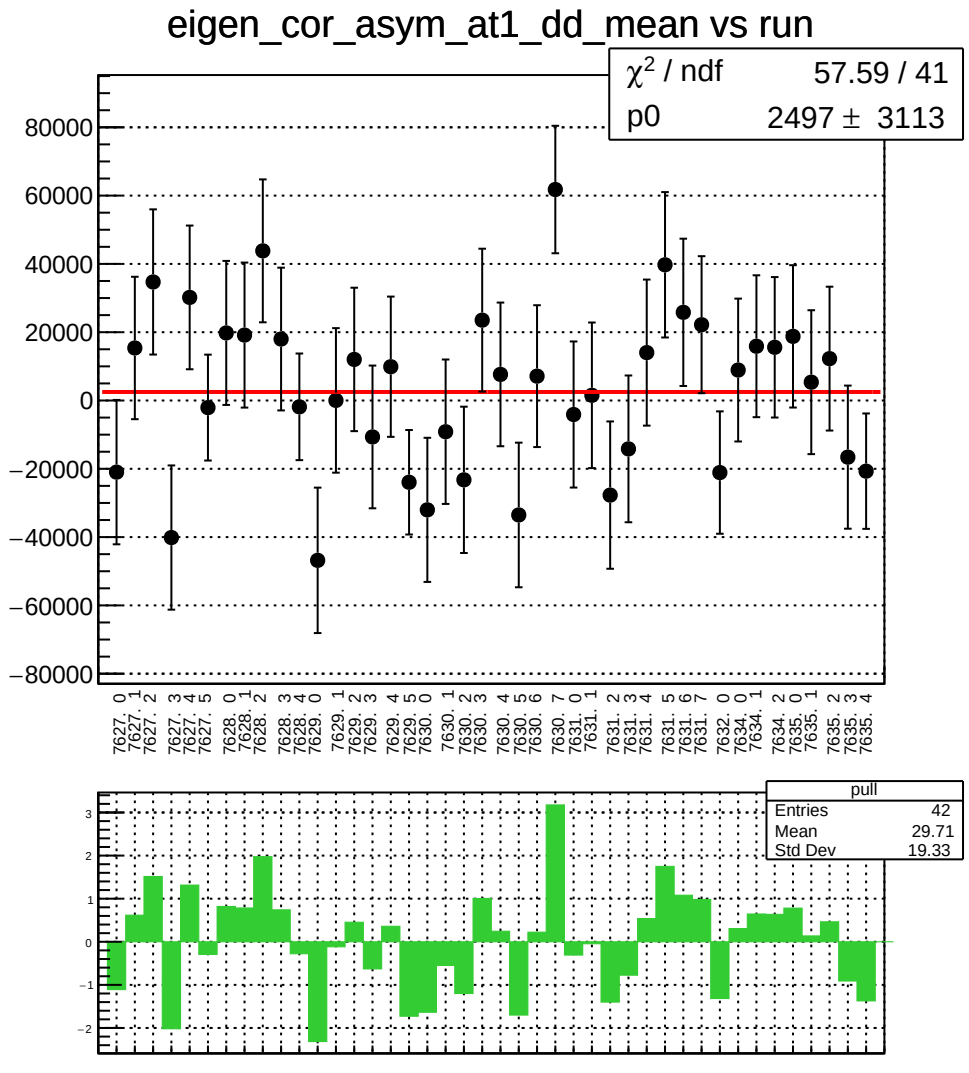
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 57.59 / 41
p0 2497 ± 3113
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 29.71
Std Dev 19.33
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.0201
Std Dev 1.171
9
8
7
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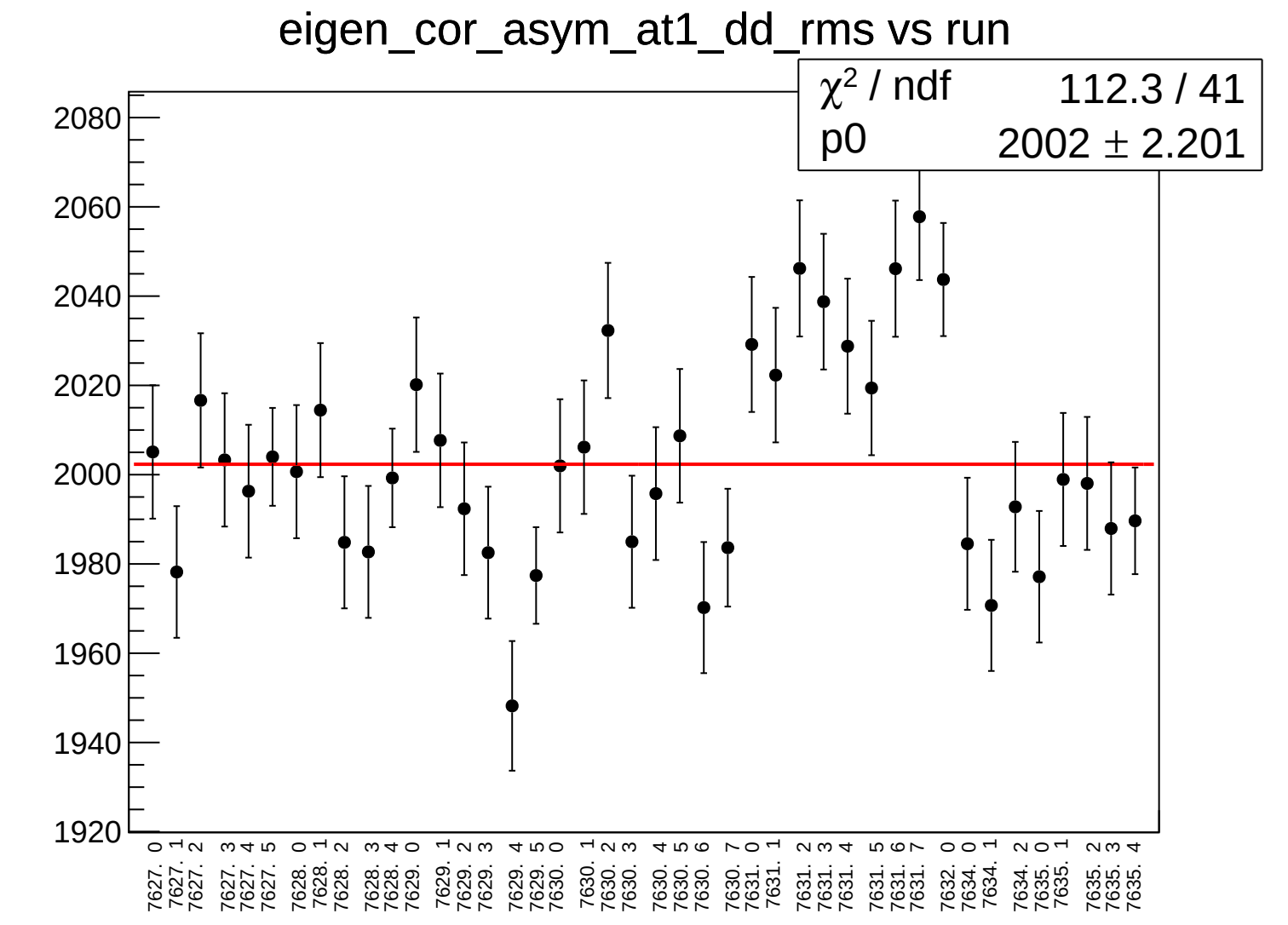
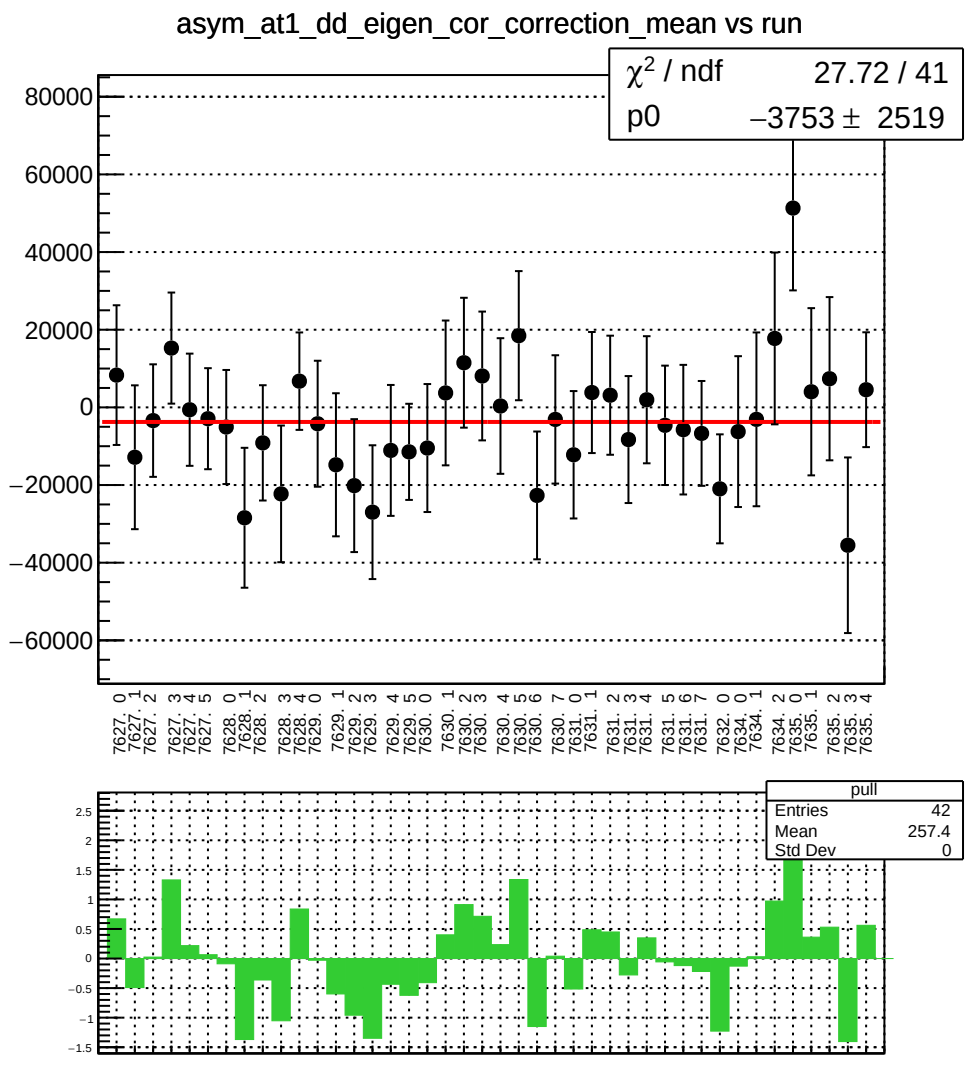
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 112.3 / 41
p0 2002 ± 2.201
2080
2060
2040
2020
2000
1980
1960
1940
1920
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 27.72 / 41
p0 −3753 ± 2519
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
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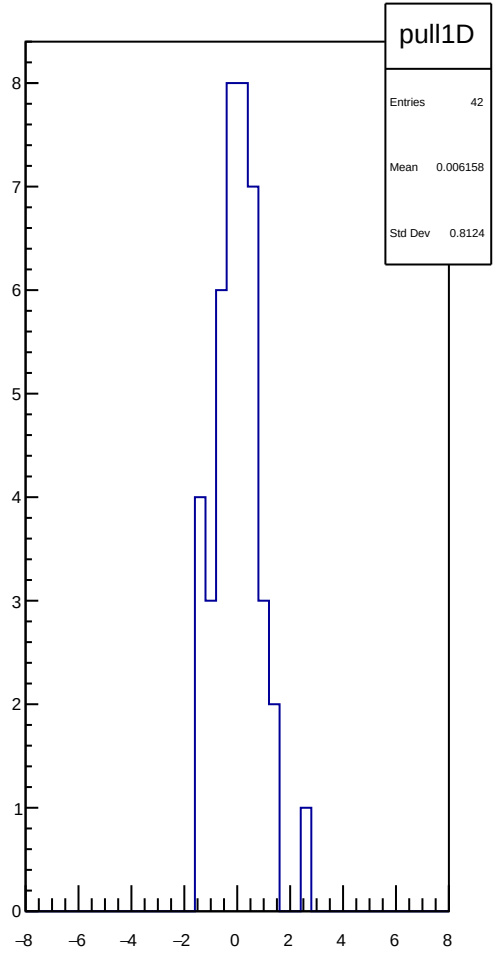
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 257.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.006158
Std Dev 0.8124
8
7
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5
4
3
2
1
0
−8
−6
−4
−2
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2
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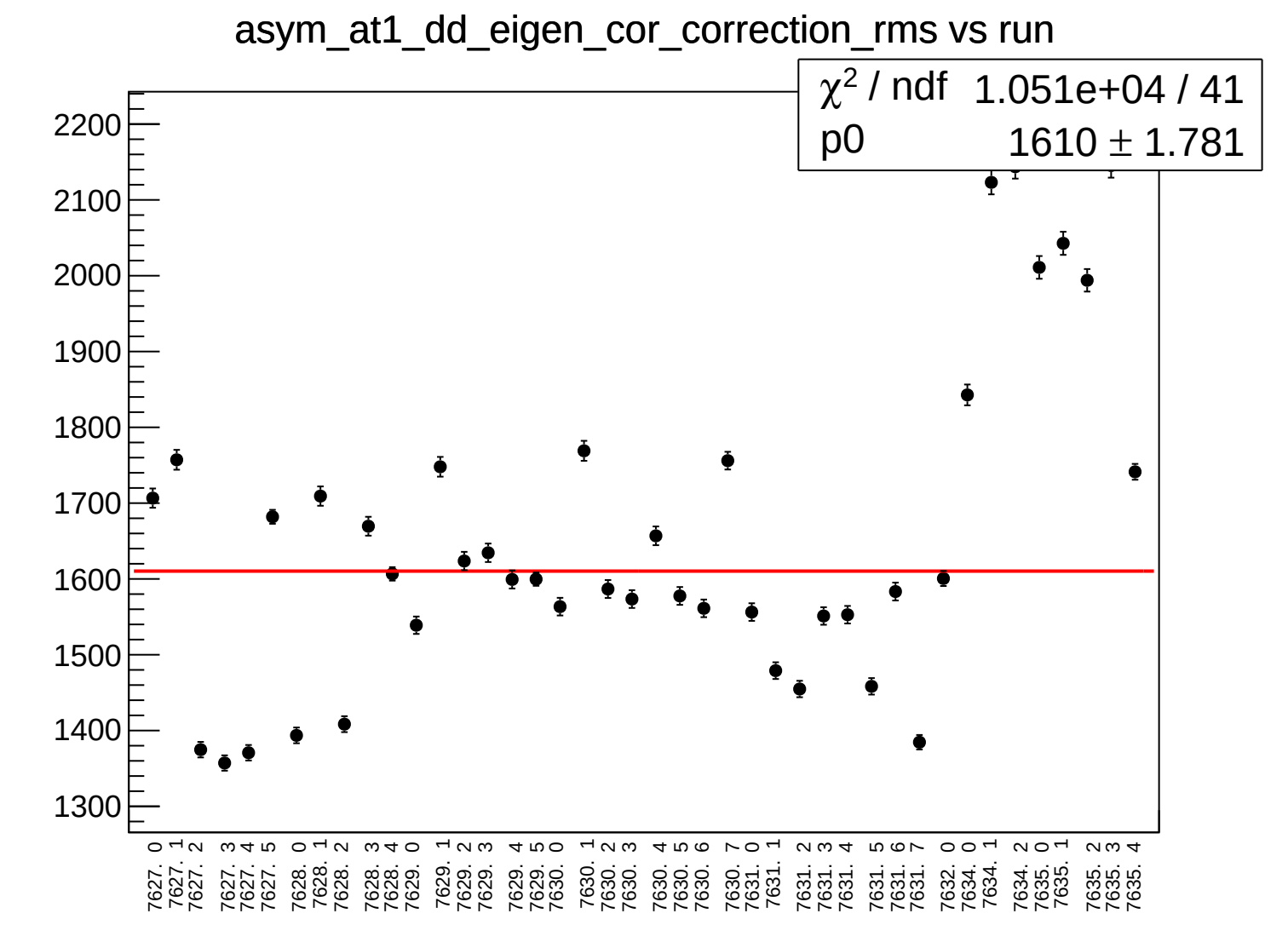
6
8


asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.051e+04 / 41
p0 1610 ± 1.781
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
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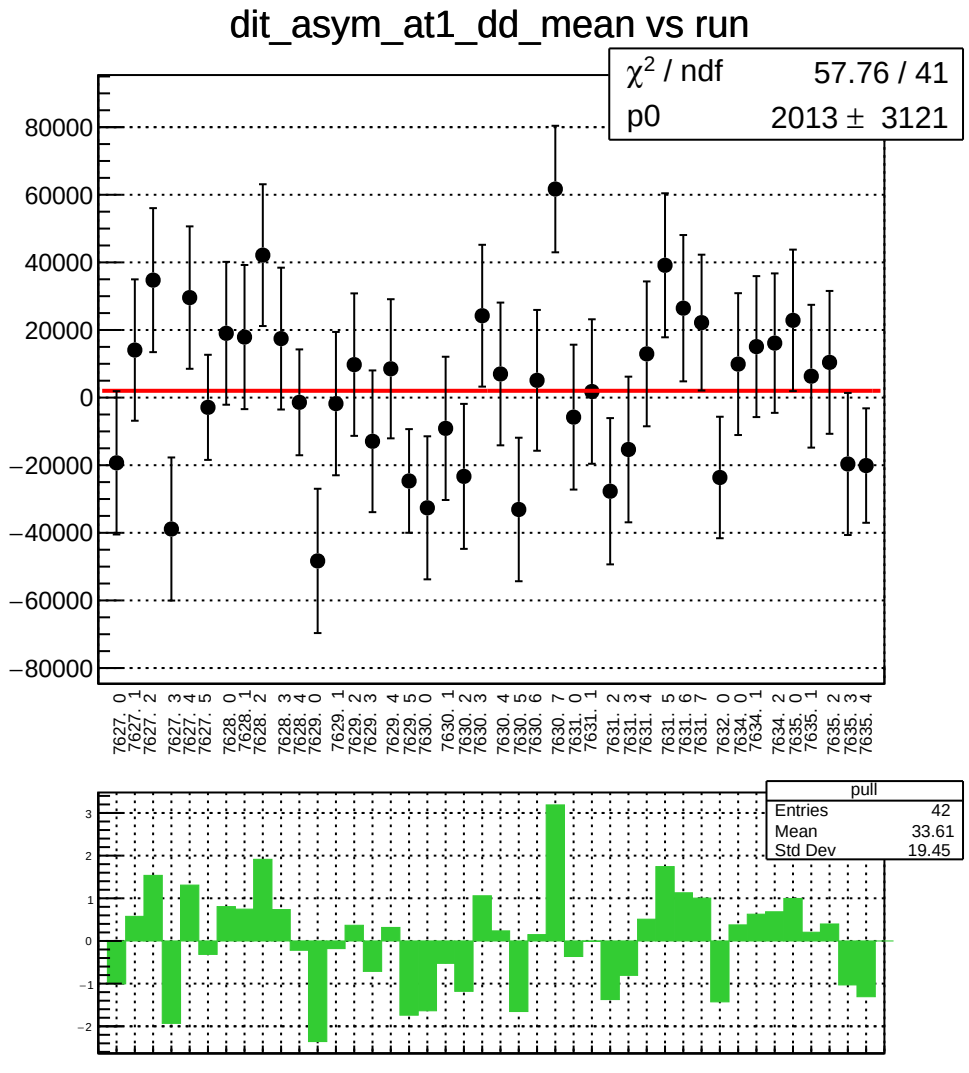
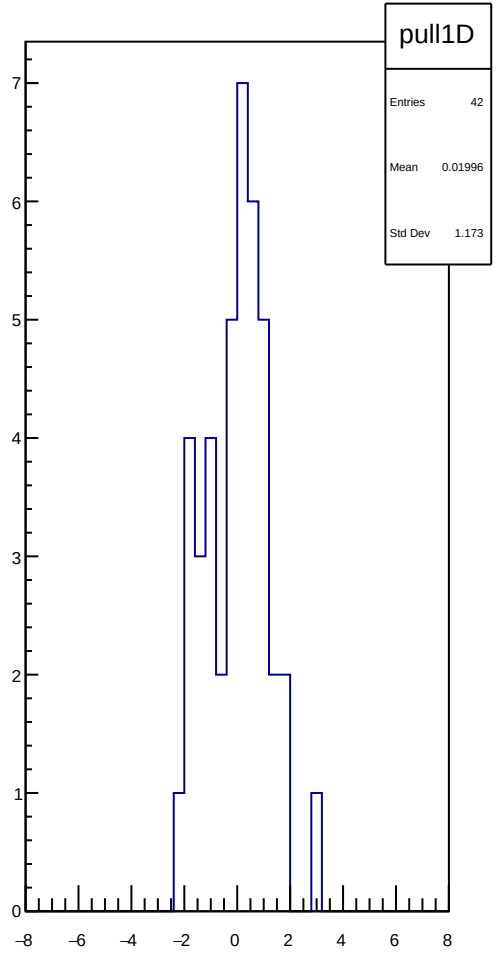
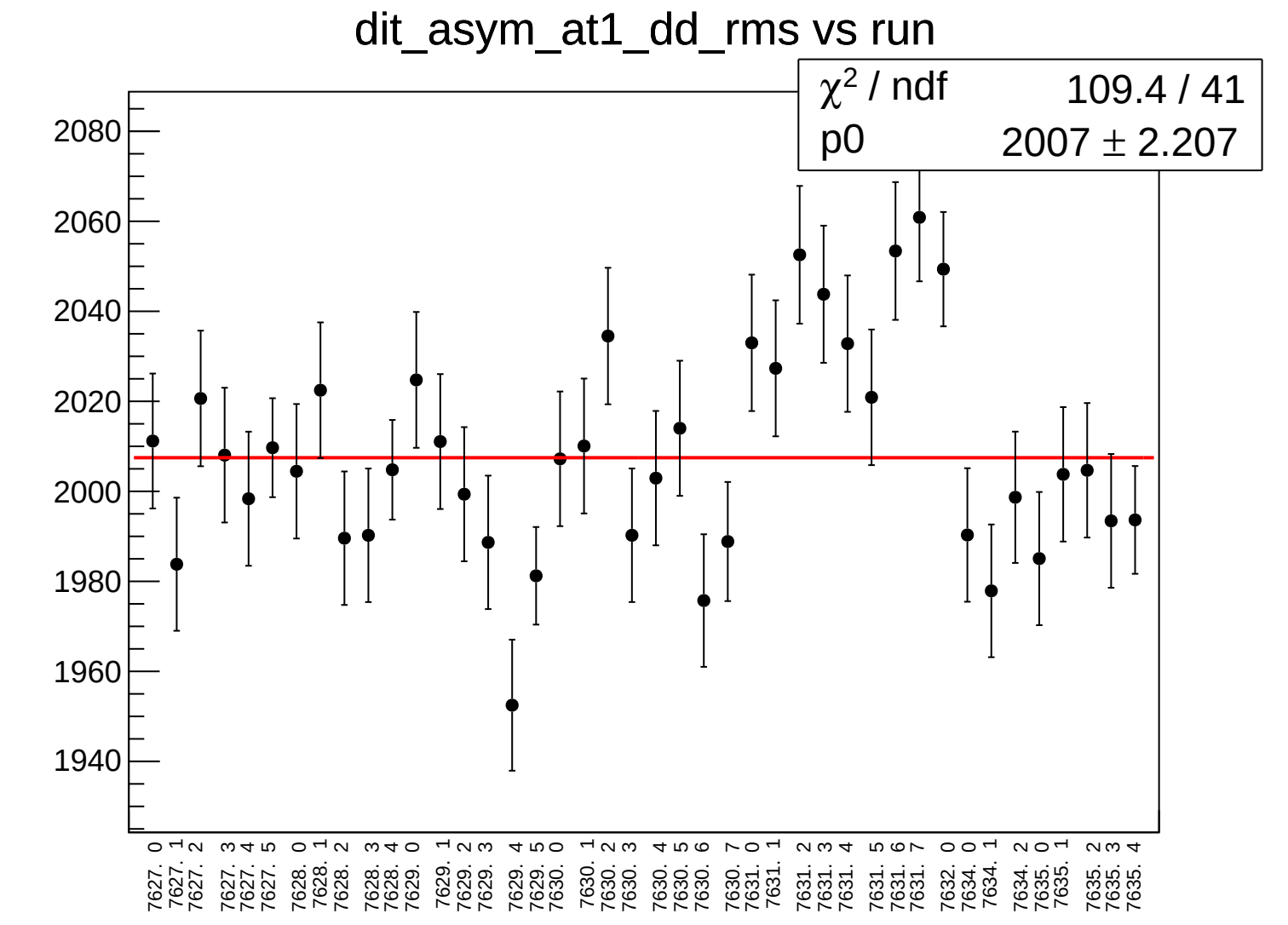
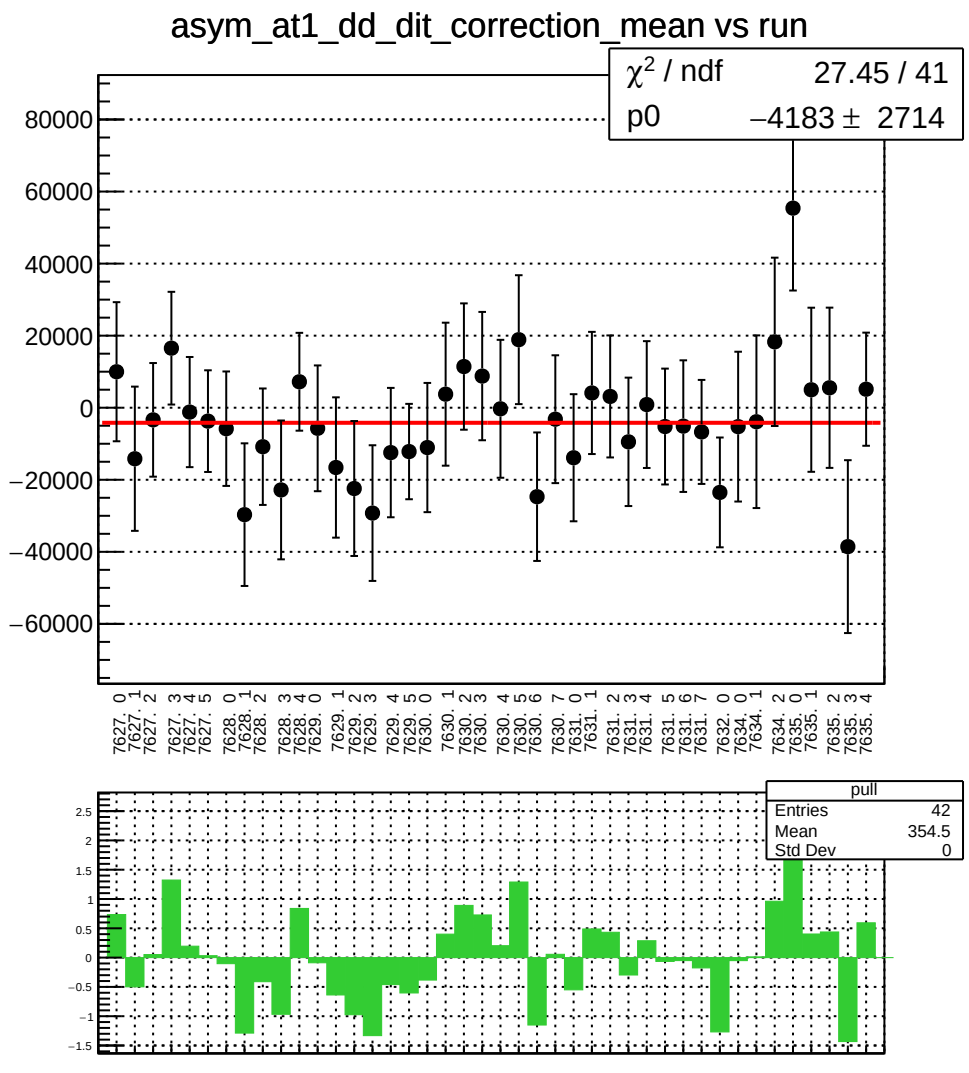
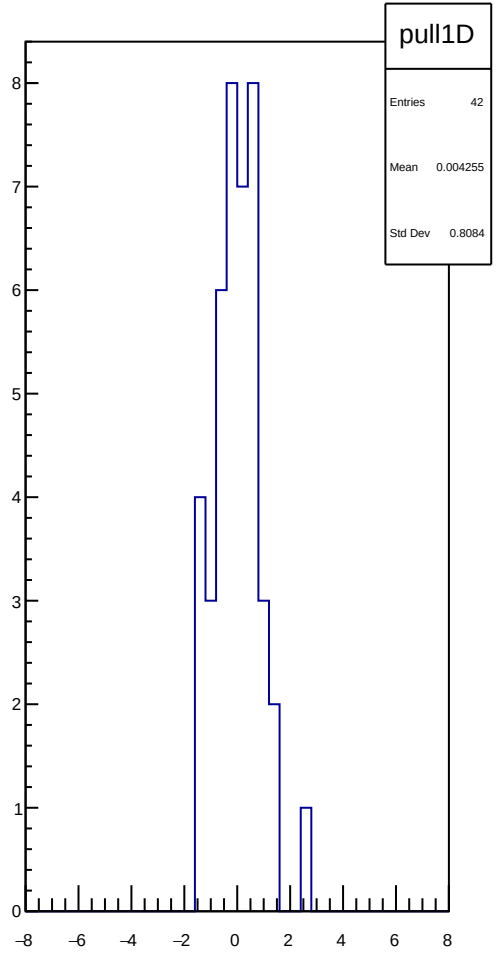
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_at1_dd_mean vs run
χ² / ndf 57.76 / 41
p0 2013 ± 3121
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.61
Std Dev 19.45
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.01996
Std Dev 1.173
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 109.4 / 41
p0 2007 ± 2.207
2080
2060
2040
2020
2000
1980
1960
1940
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_dd_dit_correction_mean vs run
χ² / ndf 27.45 / 41
p0 −4183 ± 2714
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 354.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.004255
Std Dev 0.8084
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7
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5
4
3
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1
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−4
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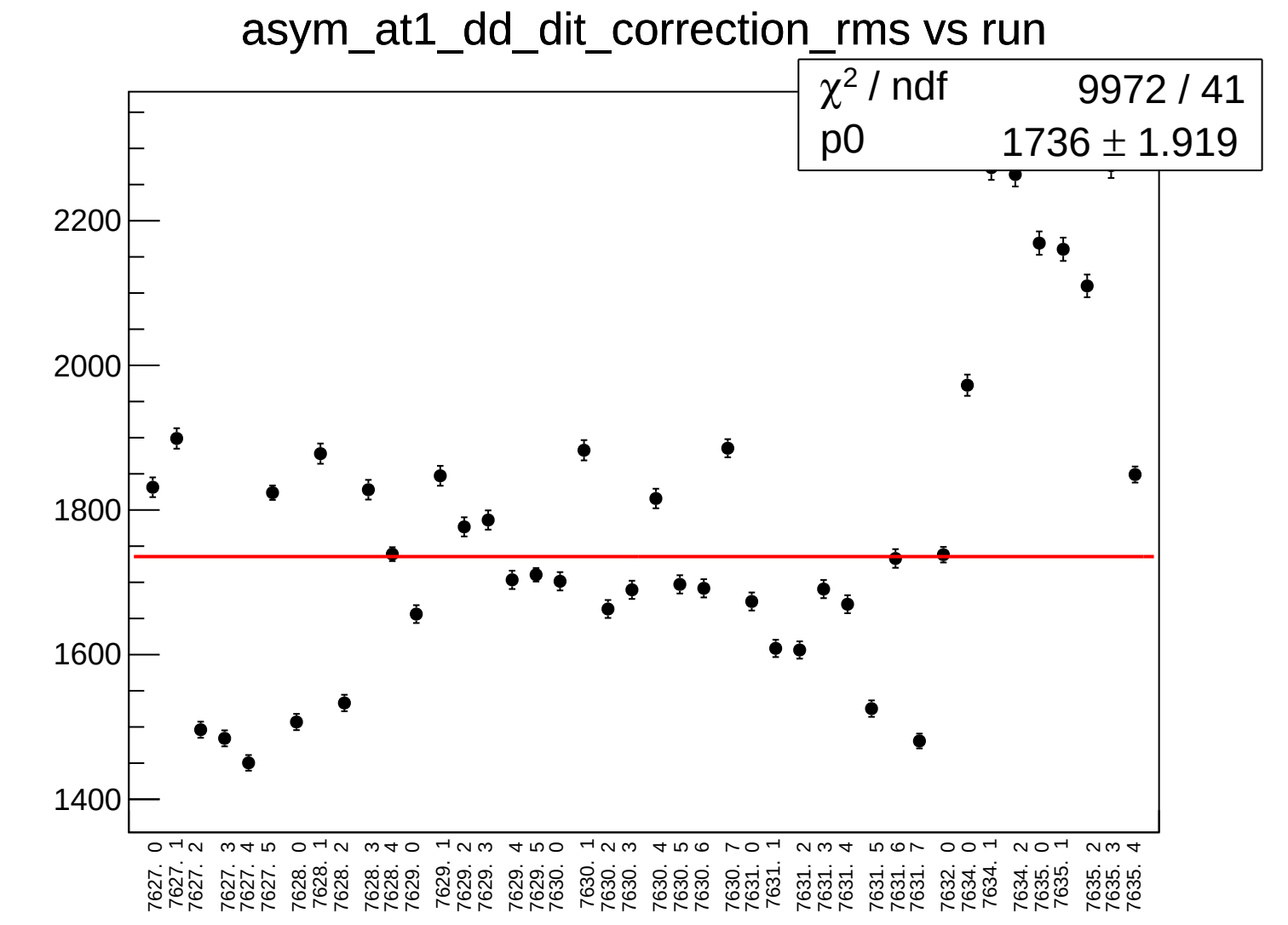
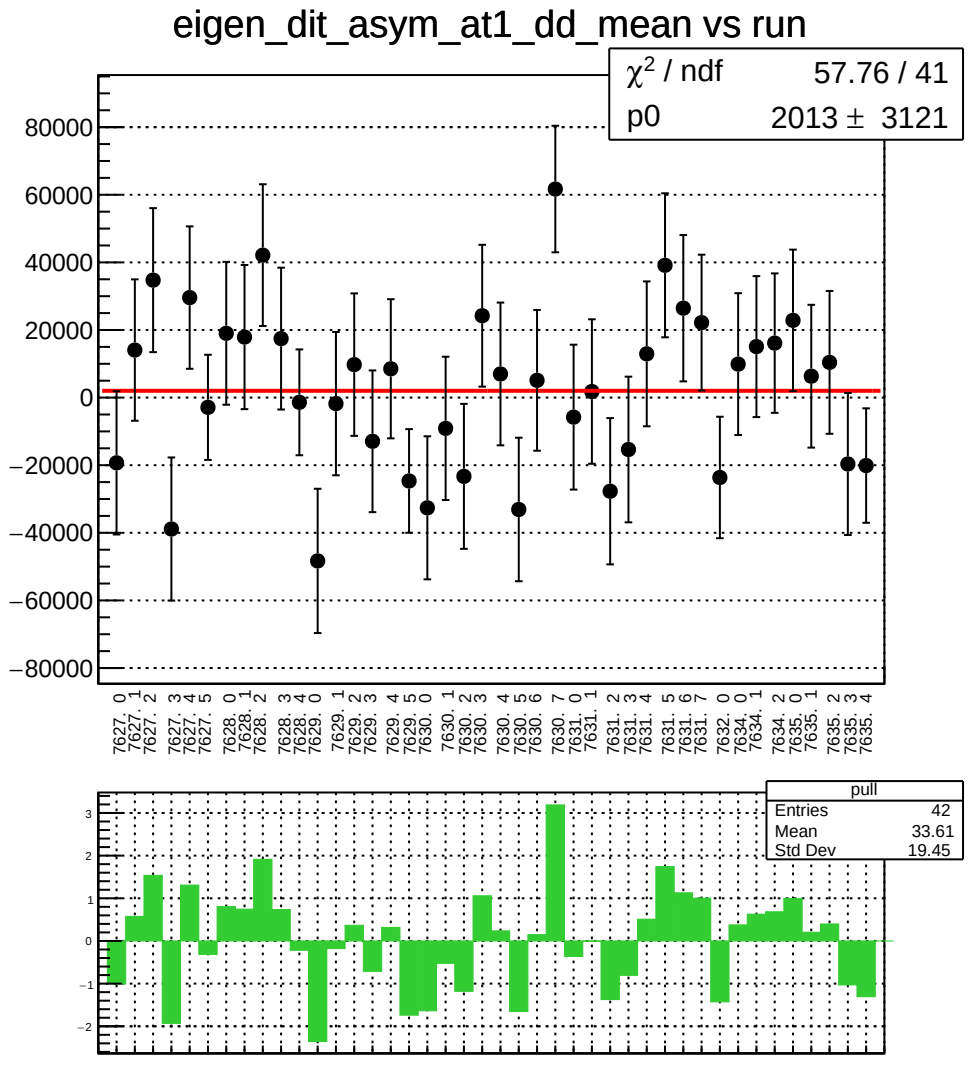
0
2
4
6
8


asym_at1_dd_dit_correction_rms vs run
χ² / ndf 9972 / 41
p0 1736 ± 1.919
2200
2000
1800
1600
1400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 57.76 / 41
p0 2013 ± 3121
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
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7628. 4
7629. 0
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7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
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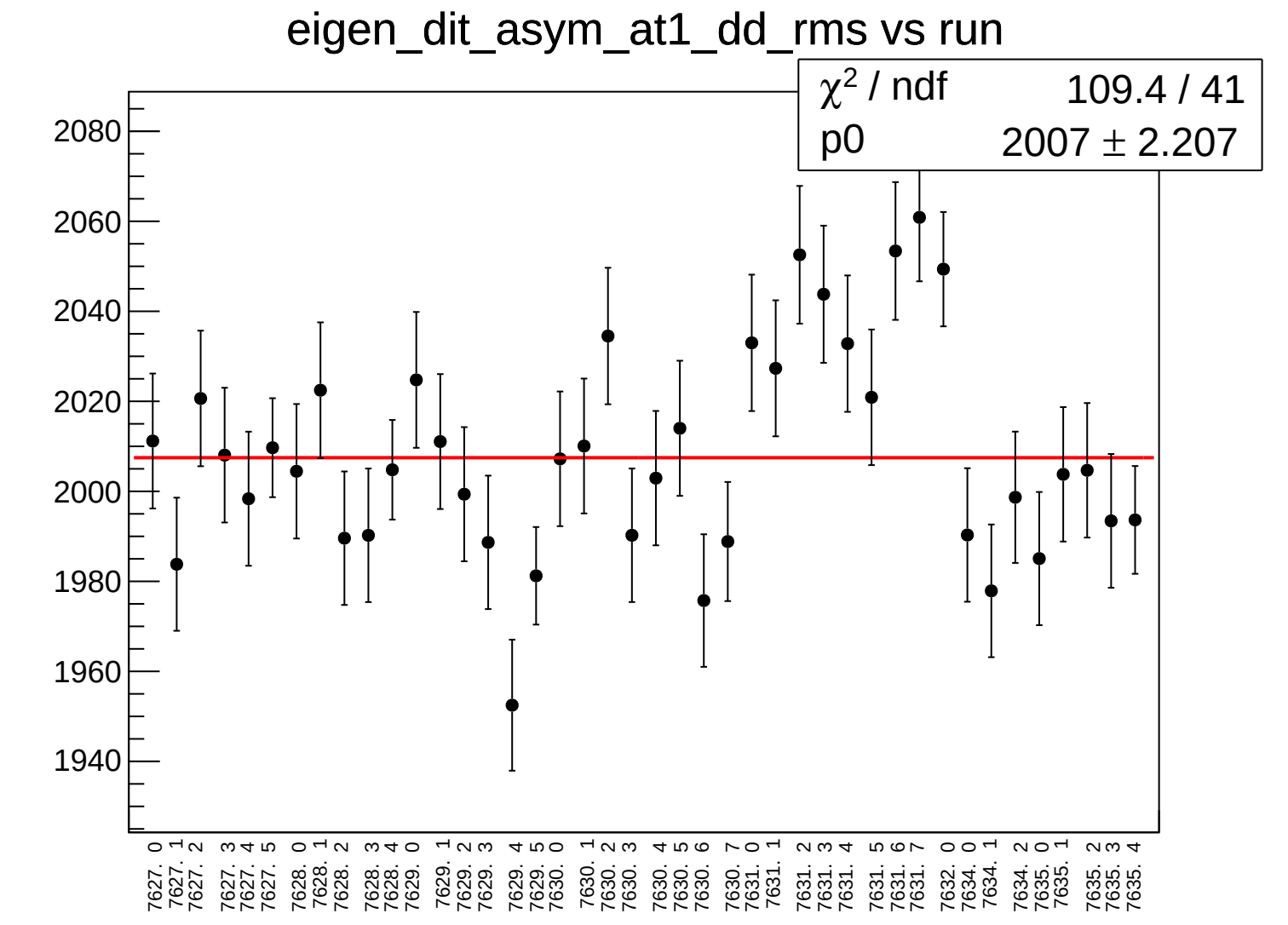
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.61
Std Dev 19.45
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.01996
Std Dev 1.173
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 109.4 / 41
p0 2007 ± 2.207
2080
2060
2040
2020
2000
1980
1960
1940
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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7629. 5
7630. 0
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7632. 0
7634. 0
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7634. 2
7635. 0
7635. 1
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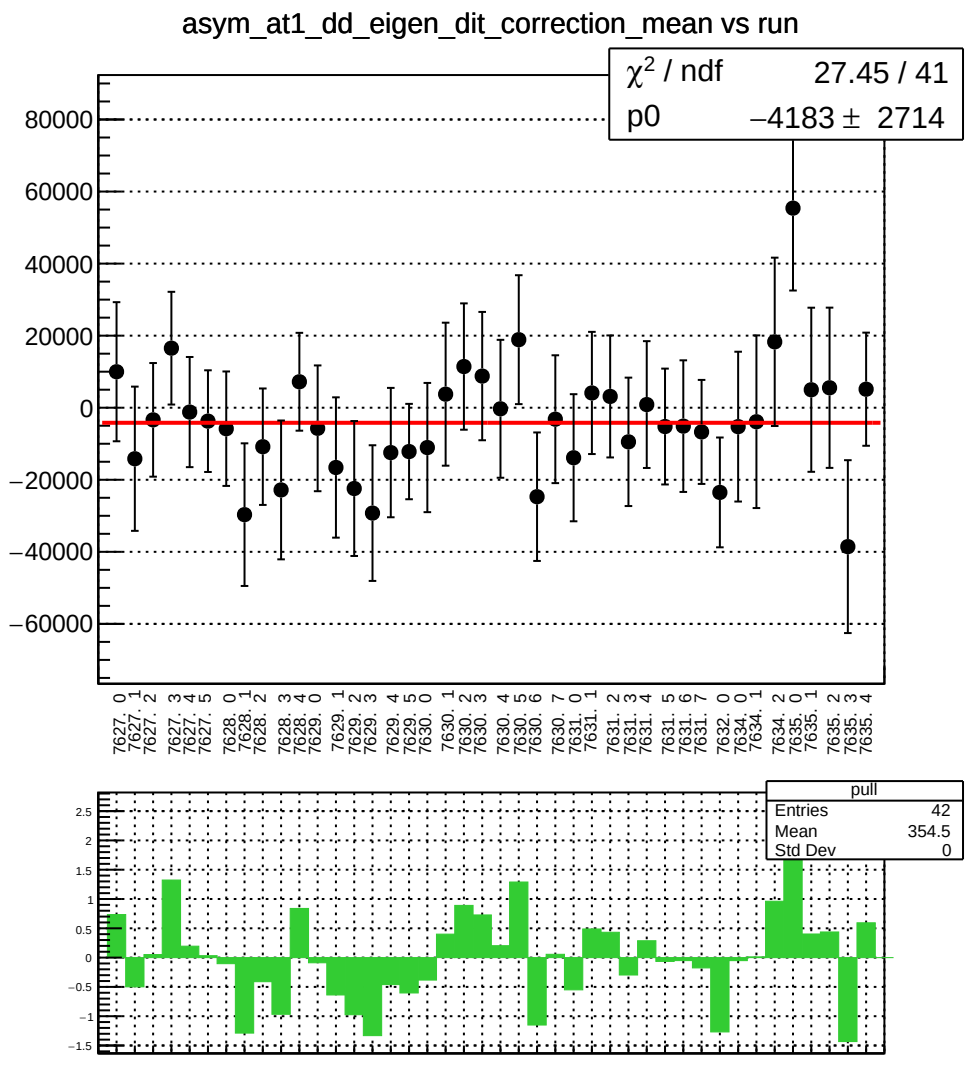
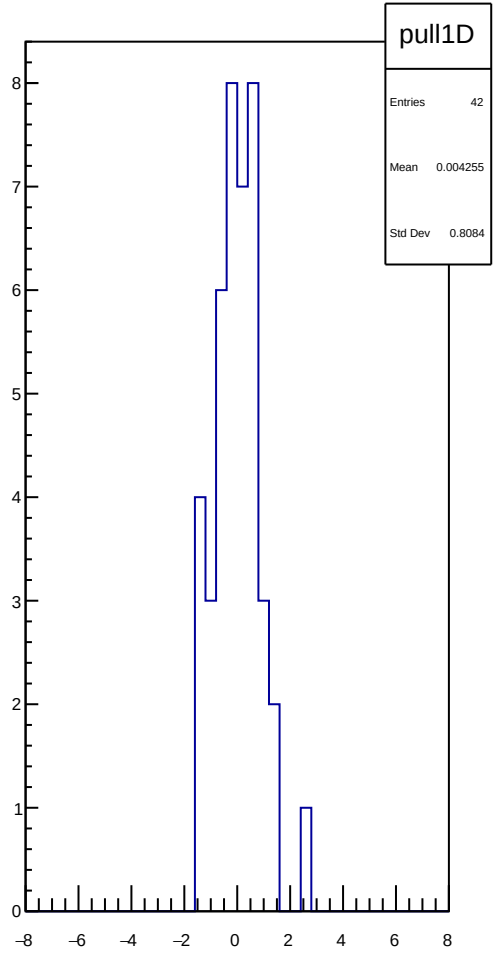
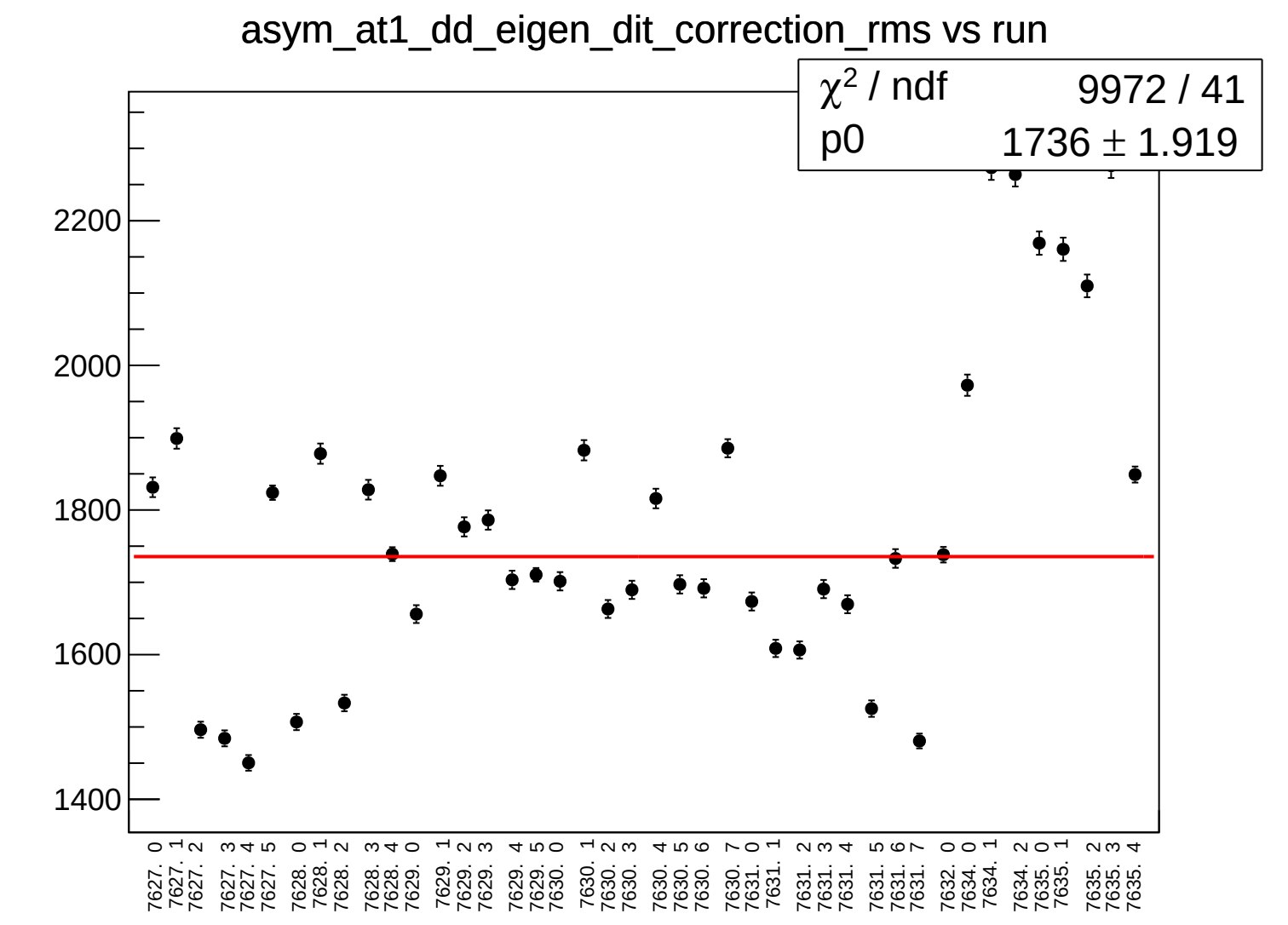
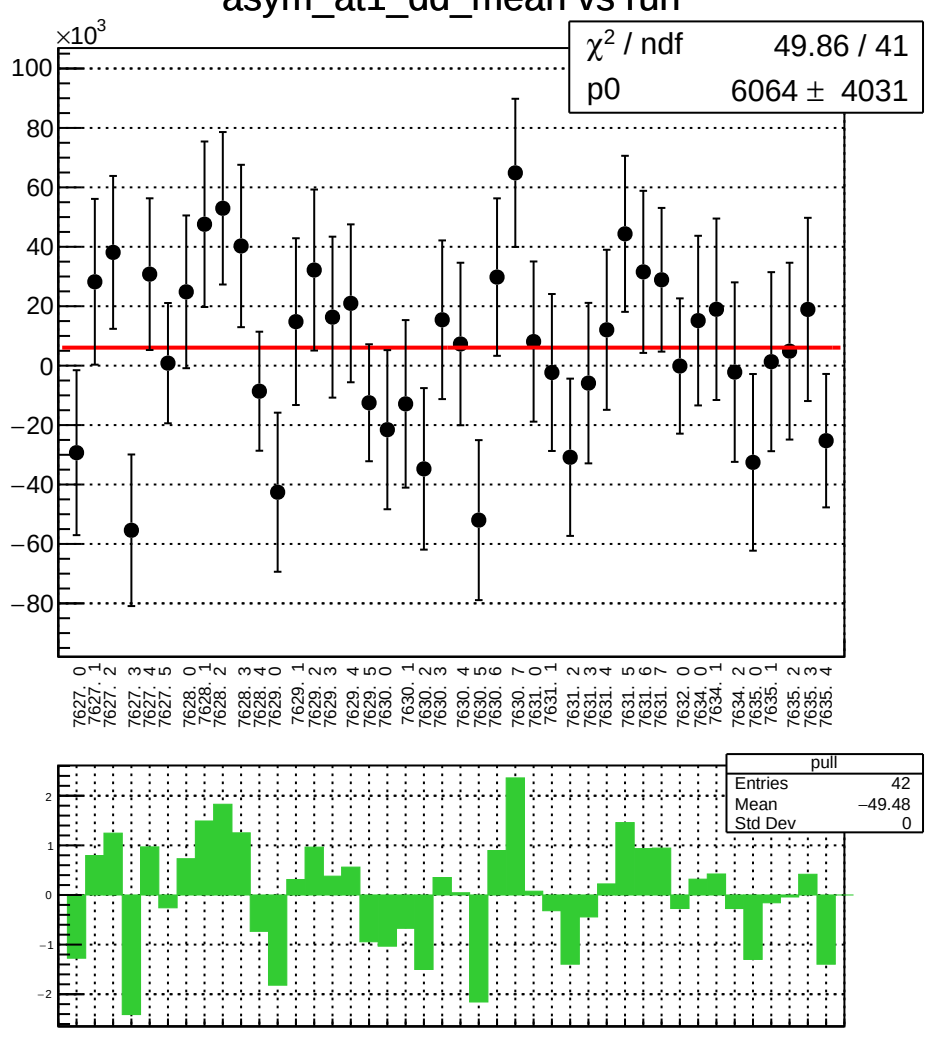
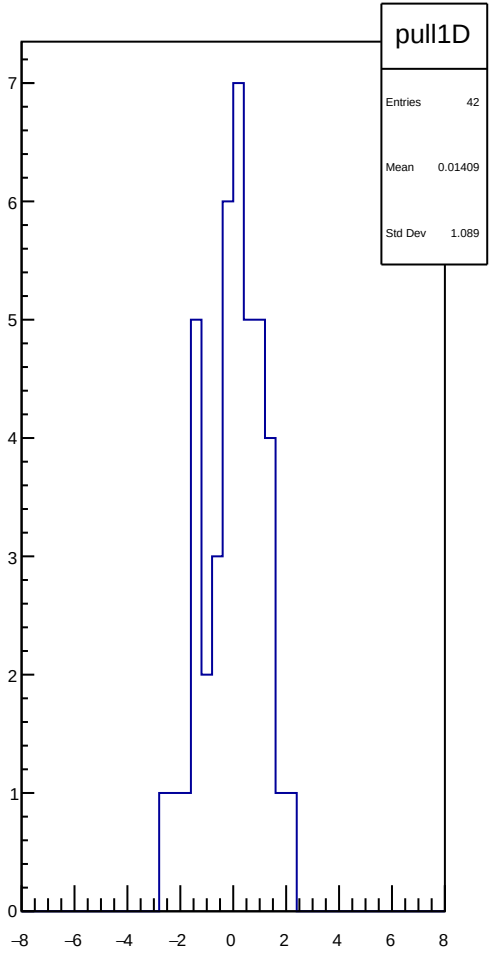
7635. 3
7635. 4

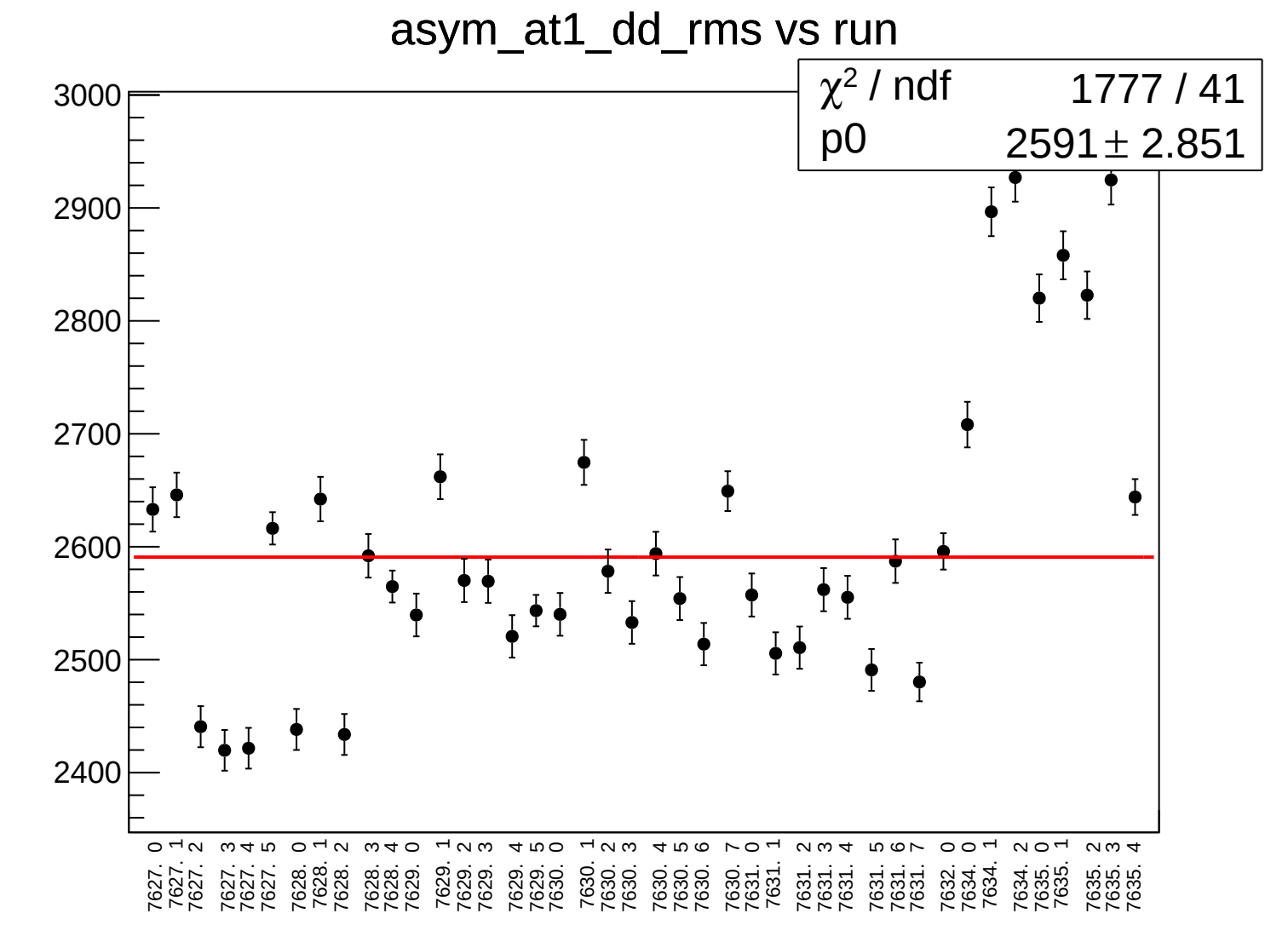

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 27.45 / 41
p0 −4183 ± 2714
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 354.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

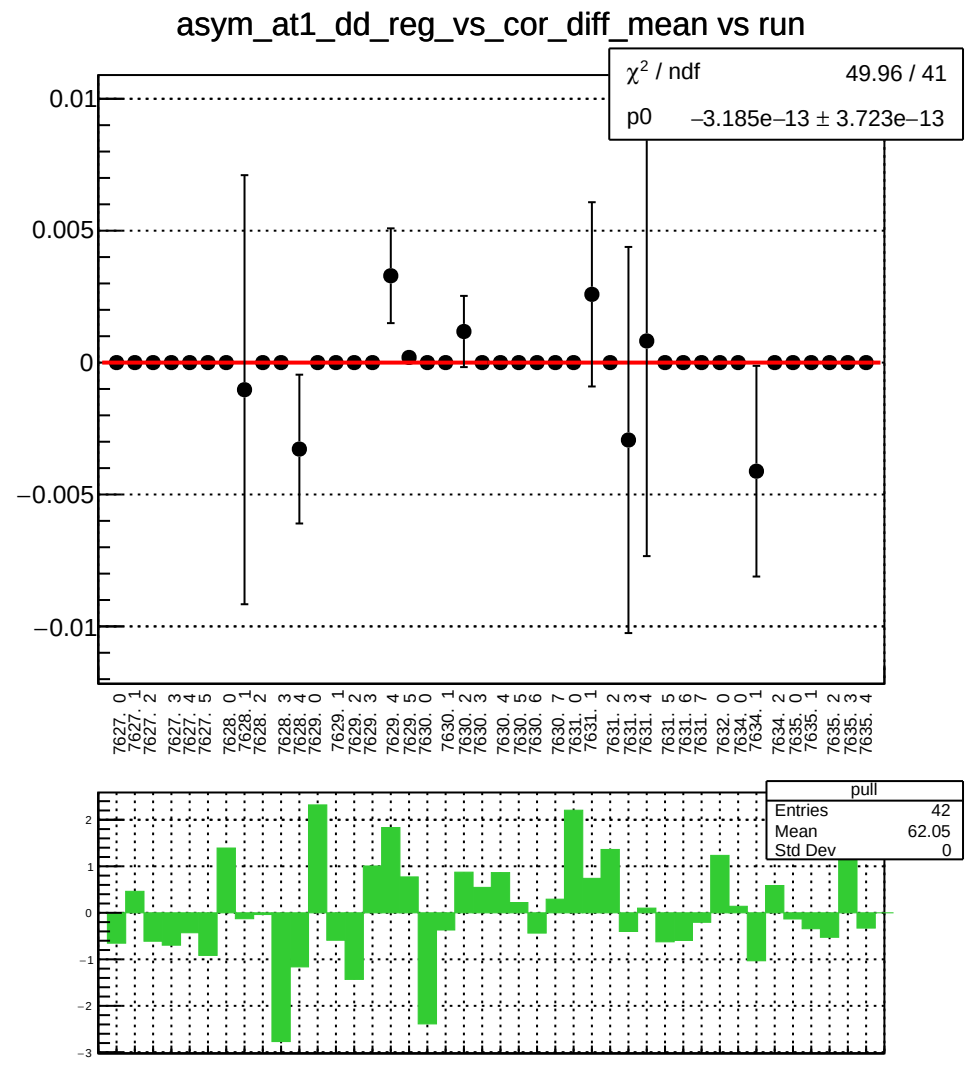

pull1D
Entries 42
Mean 0.004255
Std Dev 0.8084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

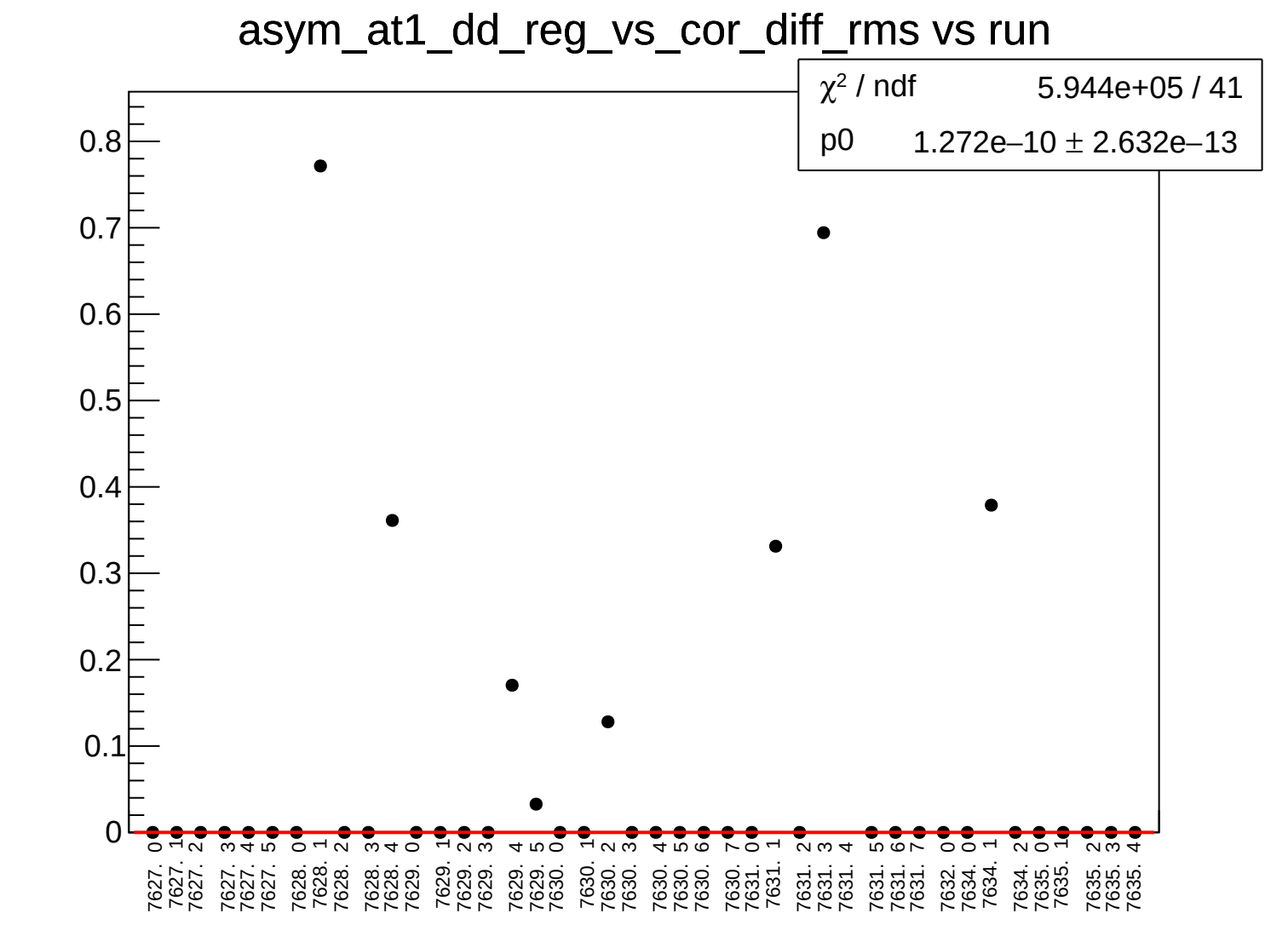

asym_at1_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 9972 / 41
p0 1736 ± 1.919
2200
2000
1800
1600
1400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

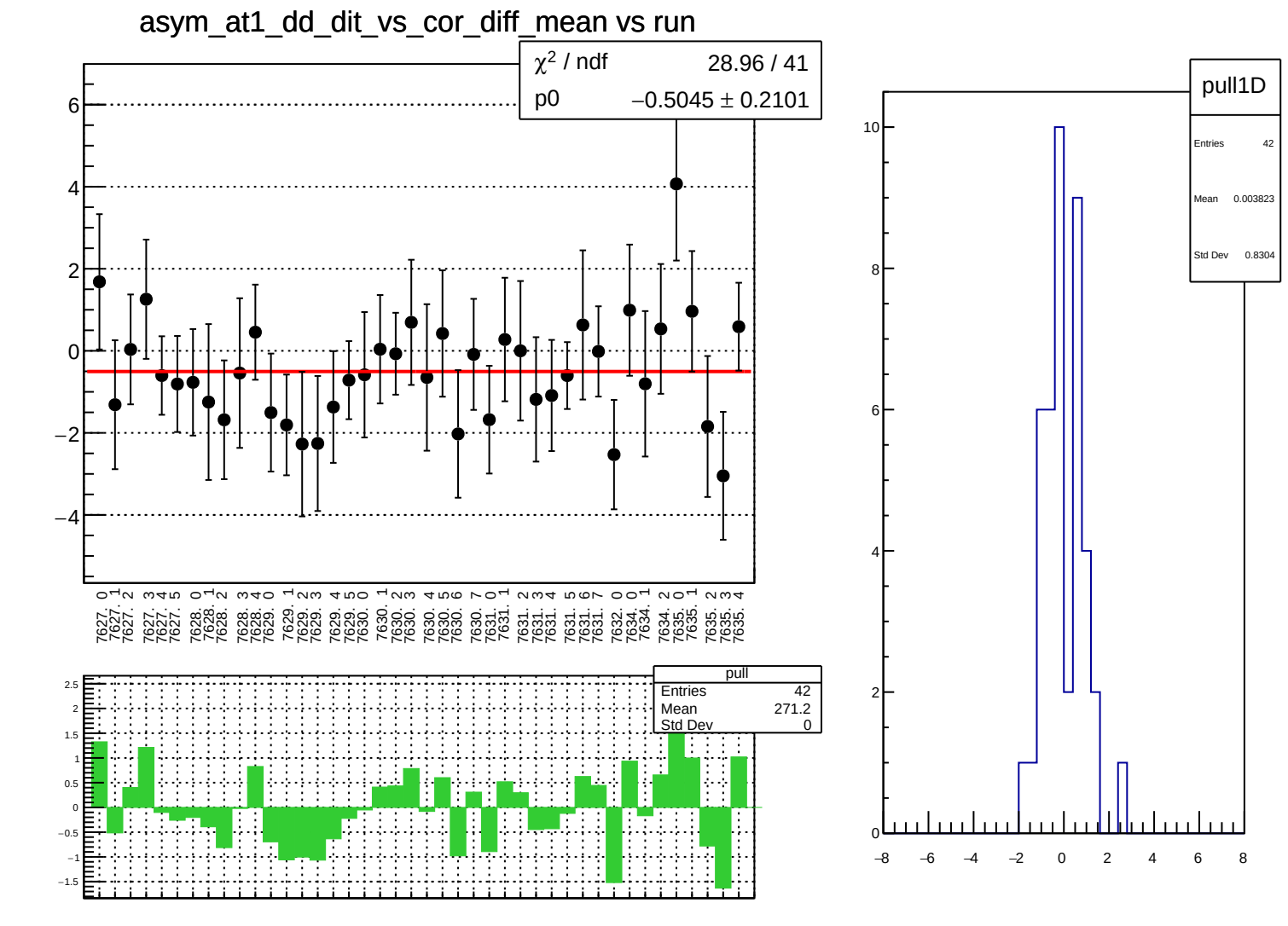

asym_at1_dd_mean vs run
×10^3
χ² / ndf 49.86 / 41
p0 6064 ± 4031
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −49.48
Std Dev 0
2
1
0
−1
−2

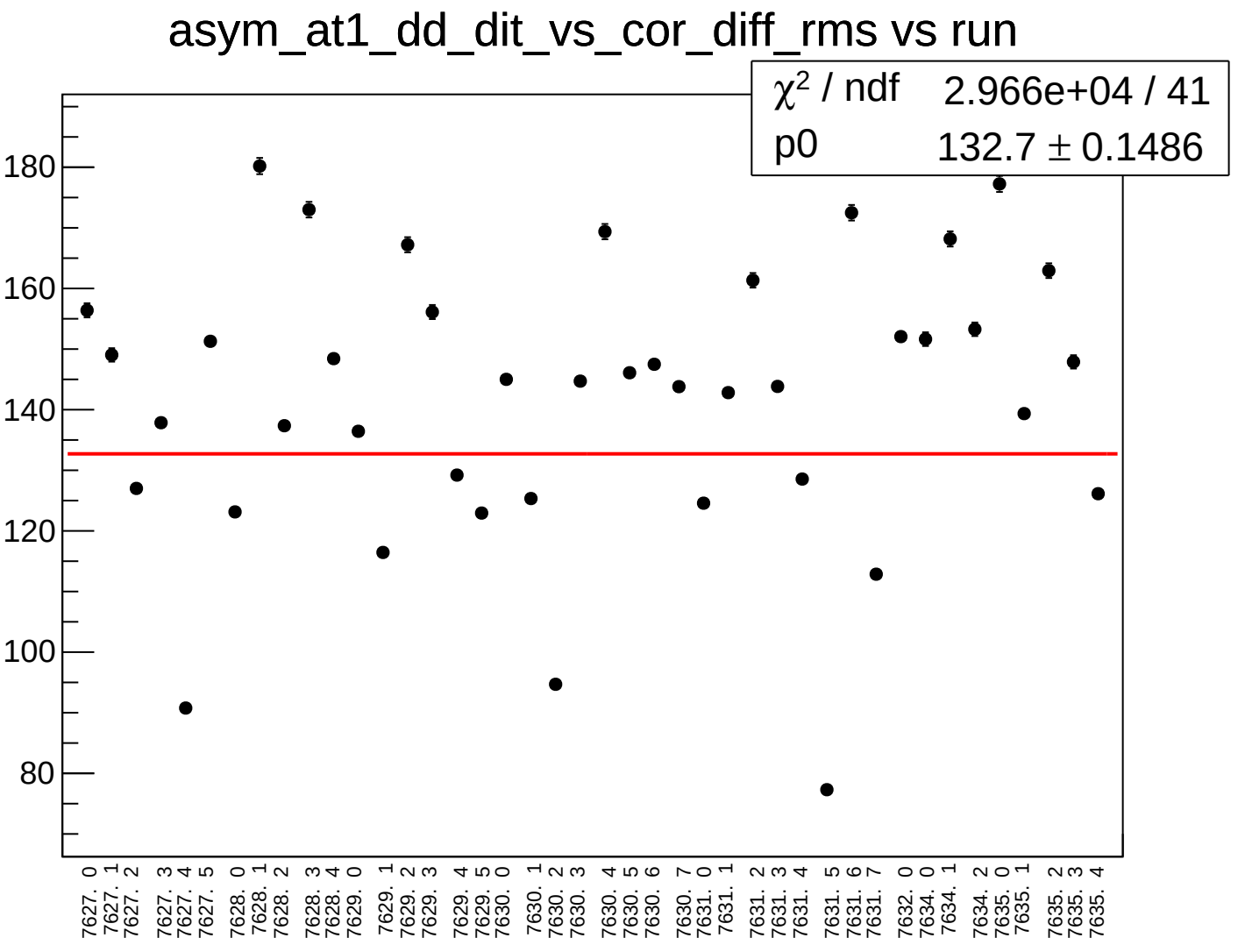

pull1D
Entries 42
Mean 0.01409
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

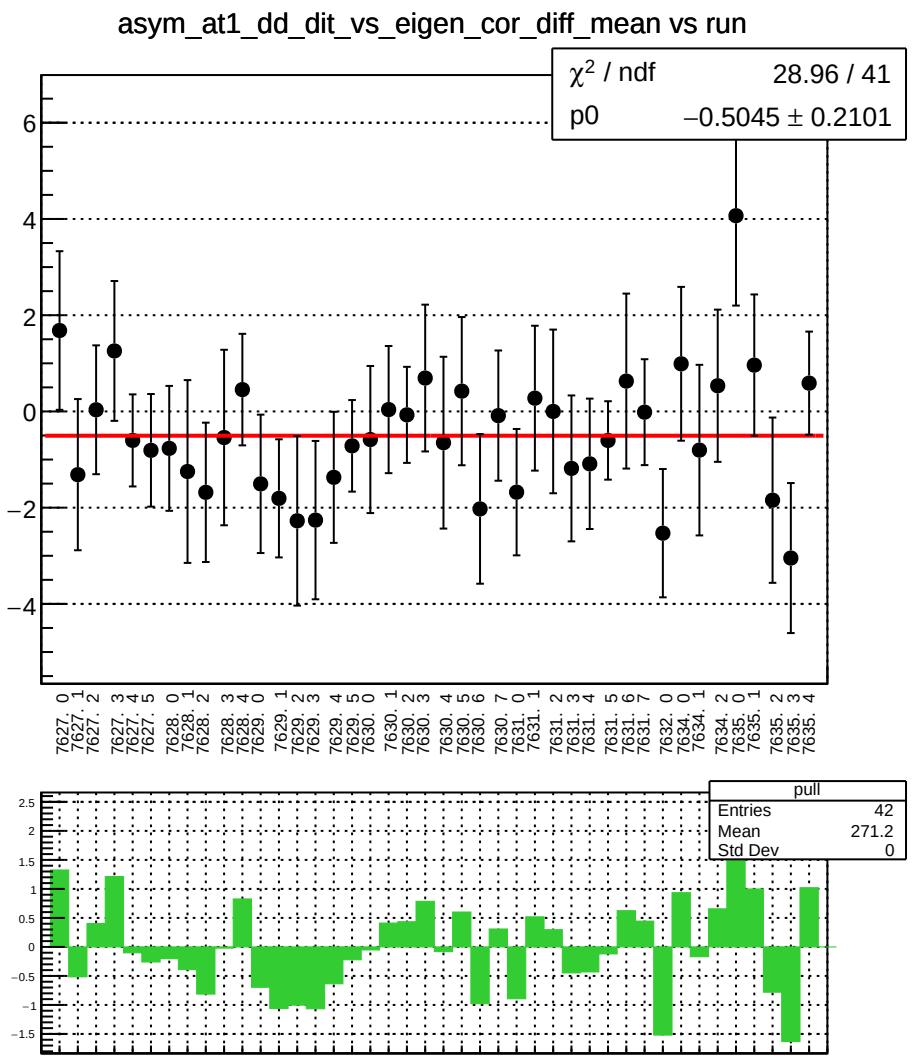

asym_at1_dd_rms vs run
χ² / ndf 1777 / 41
p0 2591 ± 2.851
3000
2900
2800
2700
2600
2500
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

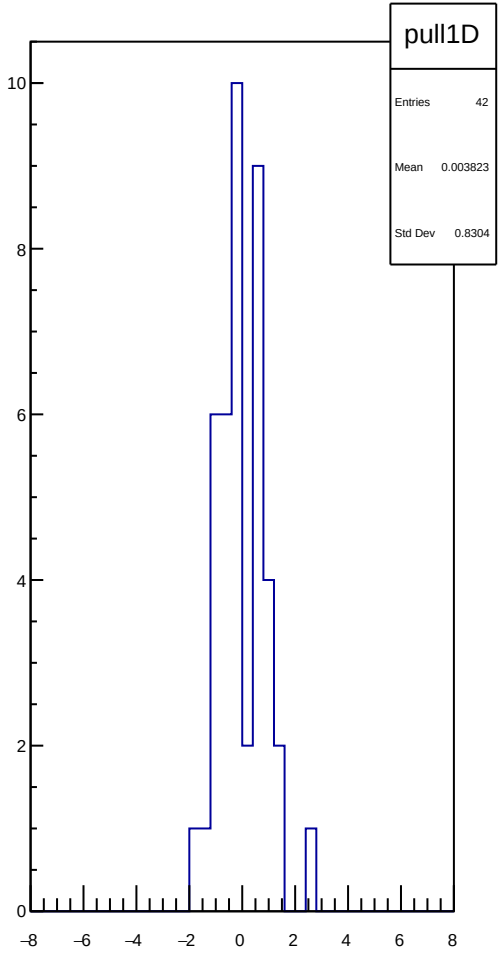

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.96 / 41
p0 −3.185e−13 ± 3.723e−13
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 62.05
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.05191
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

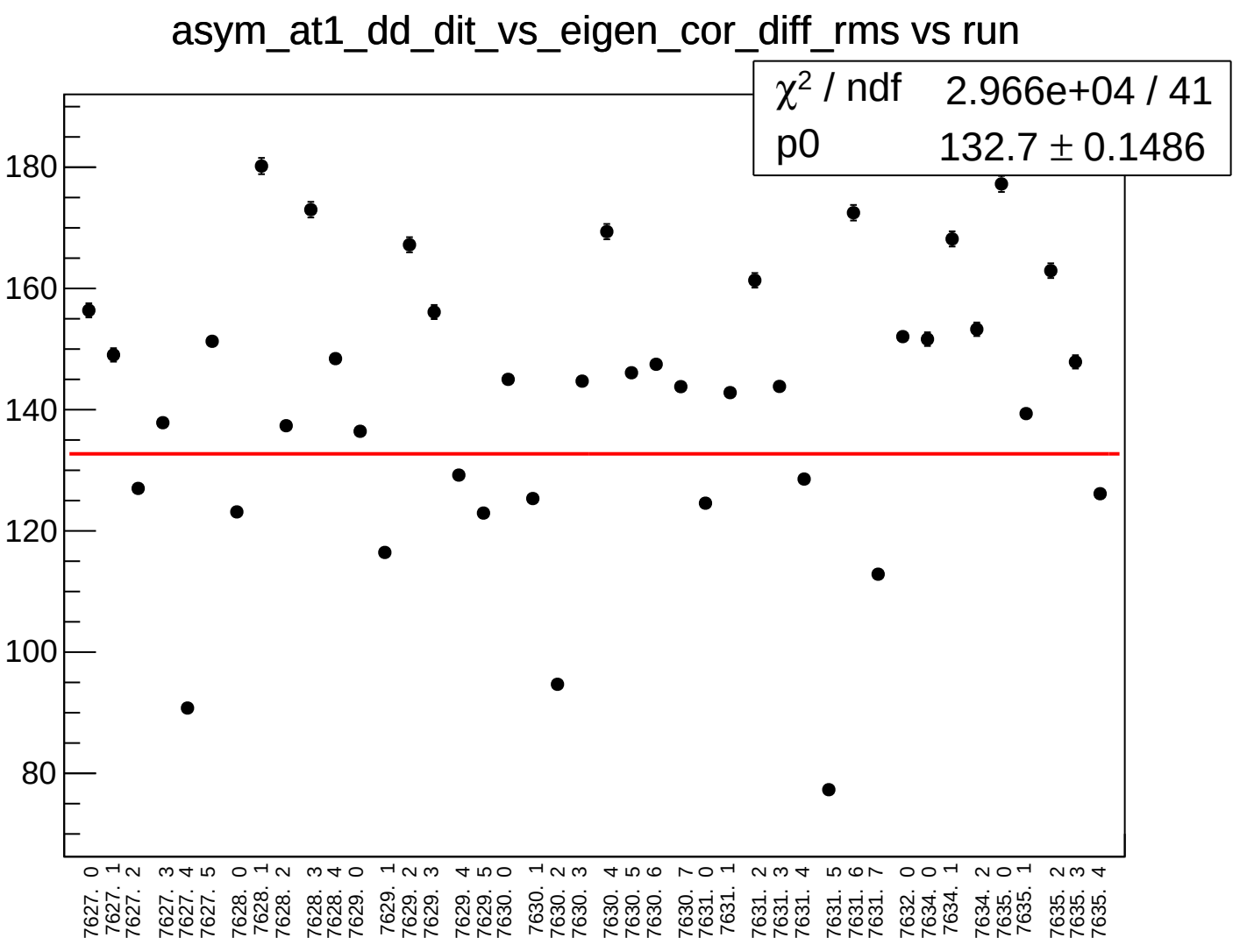

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.944e+05 / 41
p0 1.272e−10 ± 2.632e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

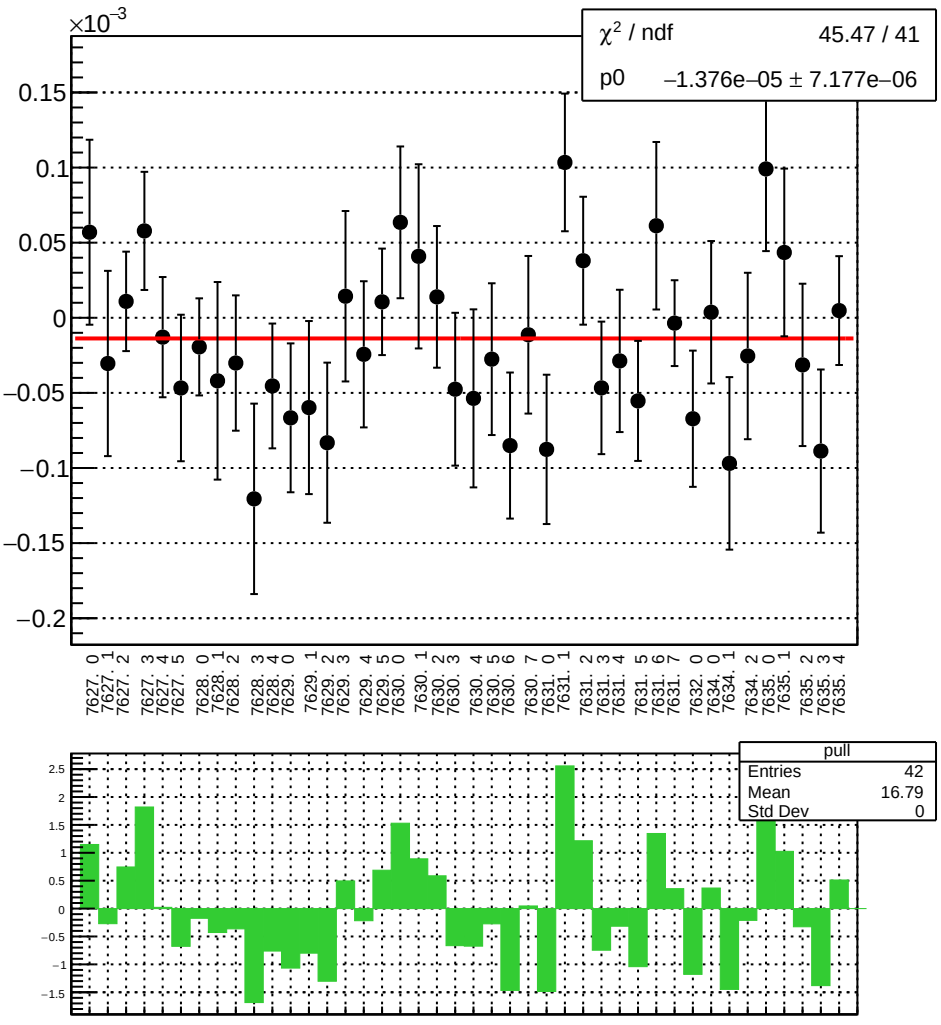

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 28.96 / 41
p0 −0.5045 ± 0.2101
pull
Entries 42
Mean 271.2
Std Dev 0
pull1D
Entries 42
Mean 0.003823
Std Dev 0.8304

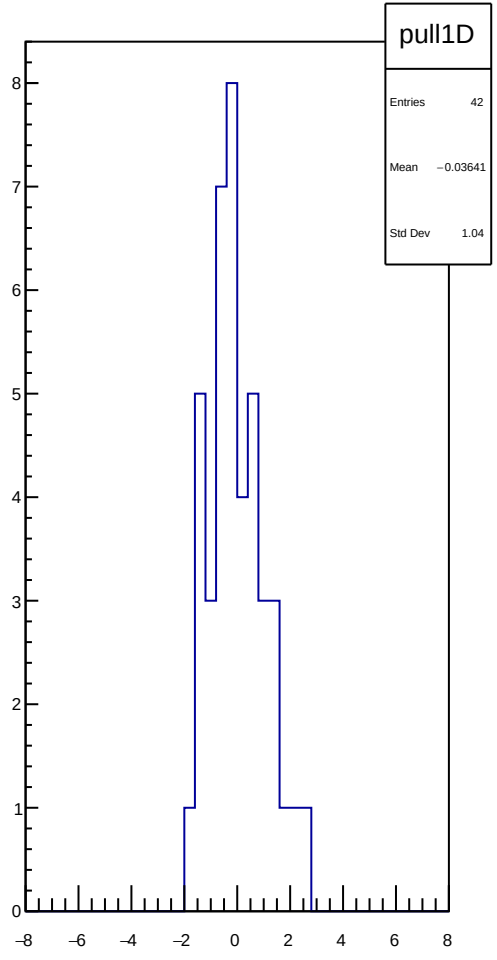

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.966e+04 / 41
p0 132.7 ± 0.1486
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

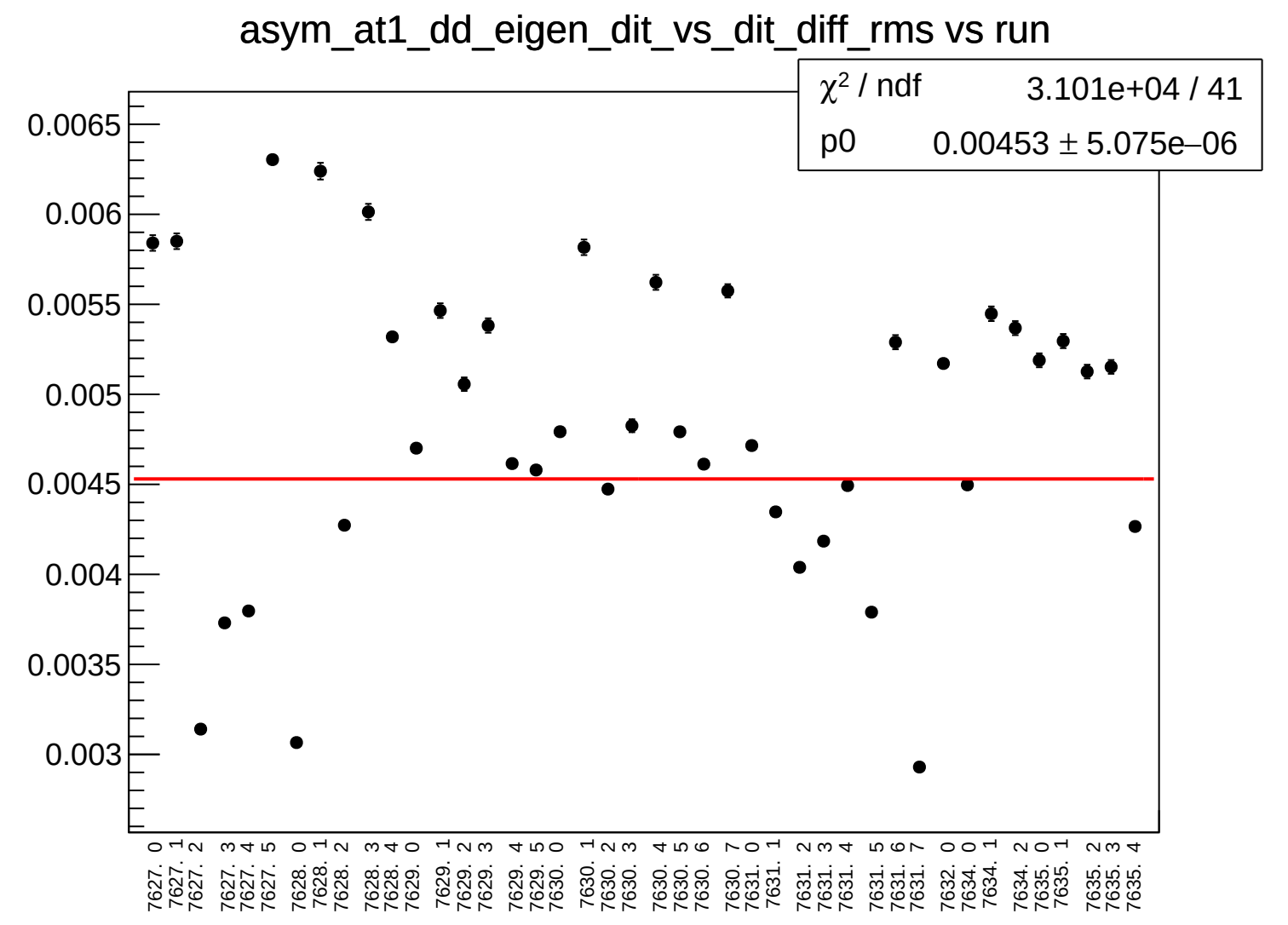

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.96 / 41
p0 −0.5045 ± 0.2101
pull
Entries 42
Mean 271.2
Std Dev 0

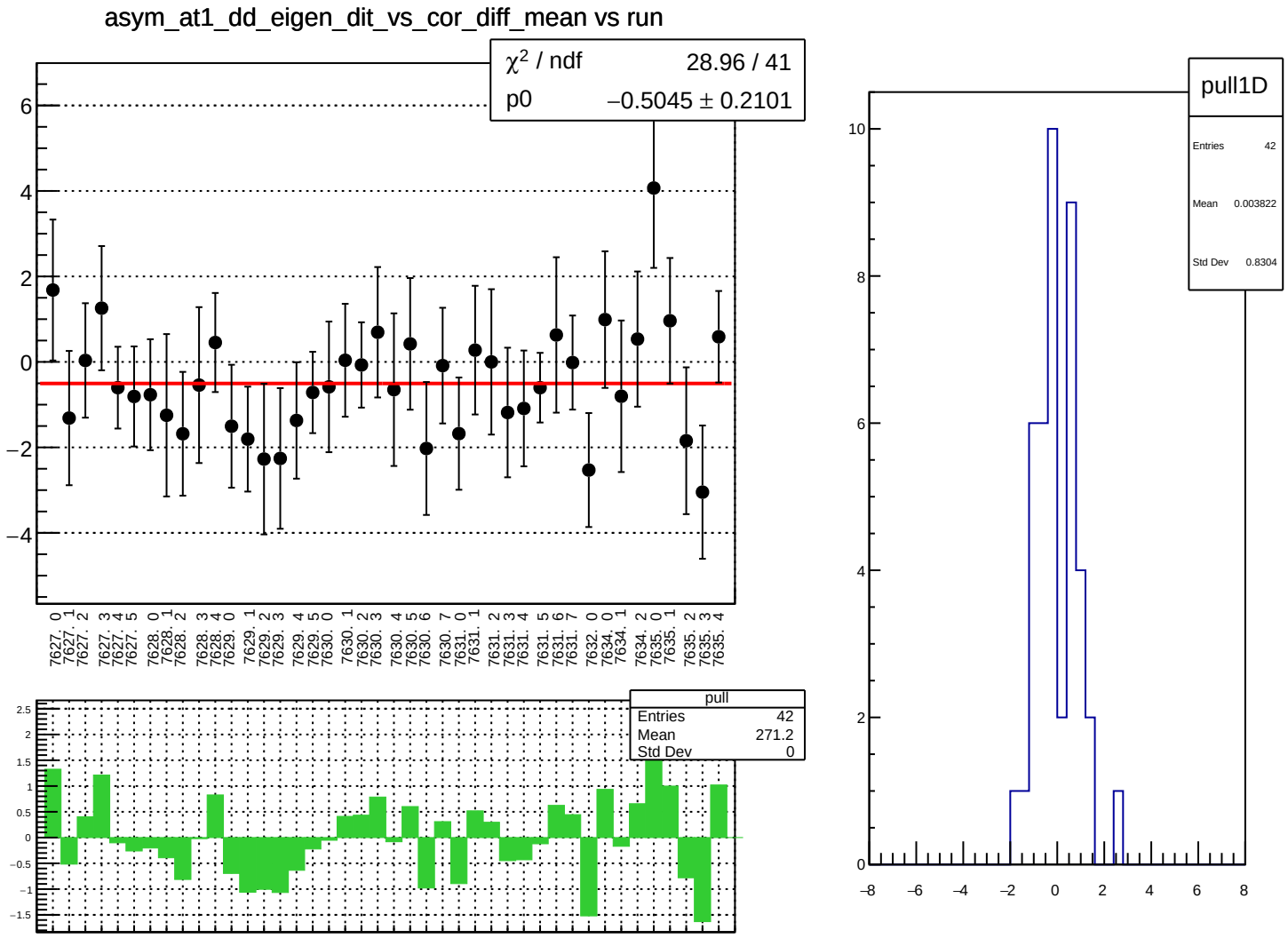

pull1D
Entries 42
Mean 0.003823
Std Dev 0.8304

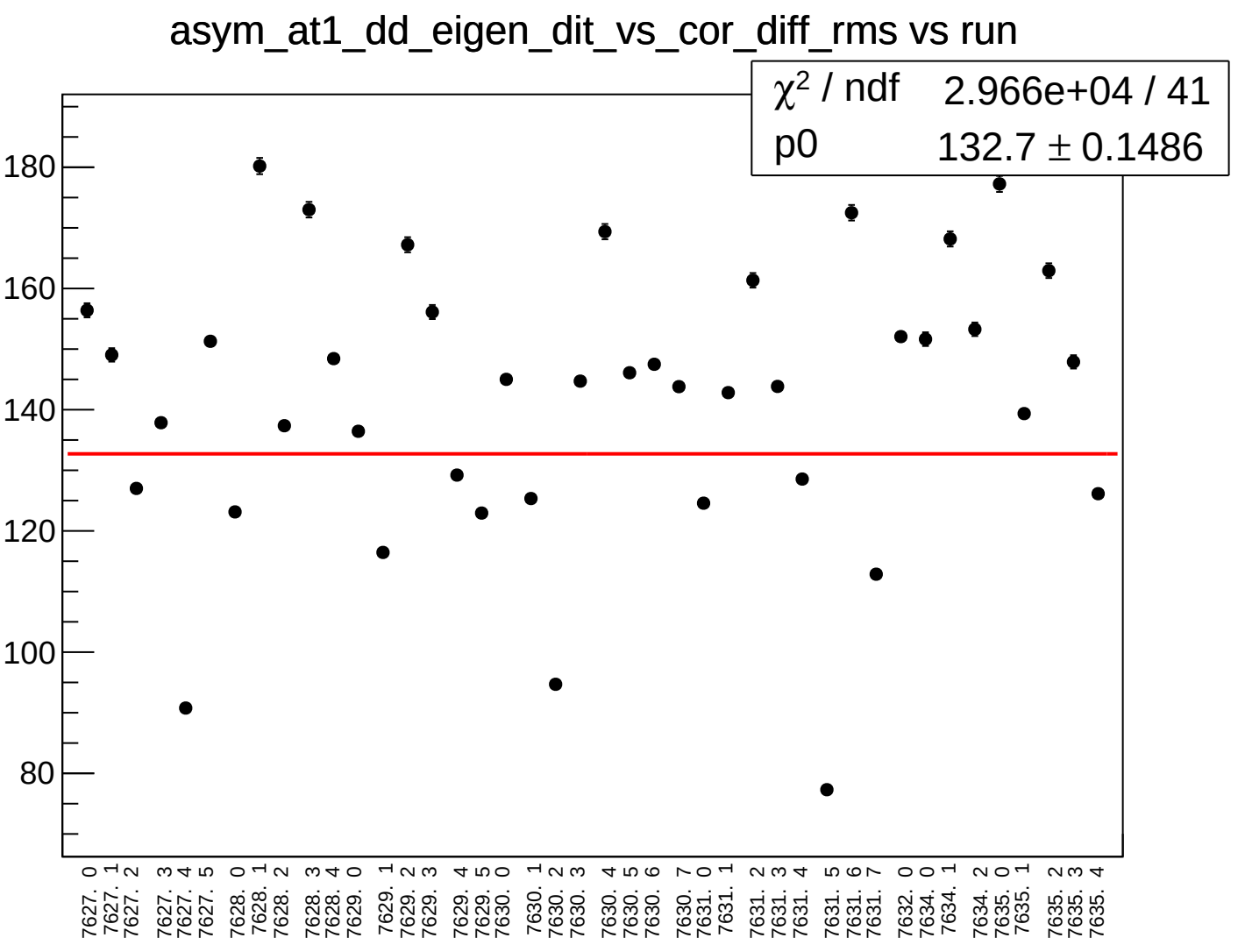

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.966e+04 / 41
p0 132.7 ± 0.1486
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

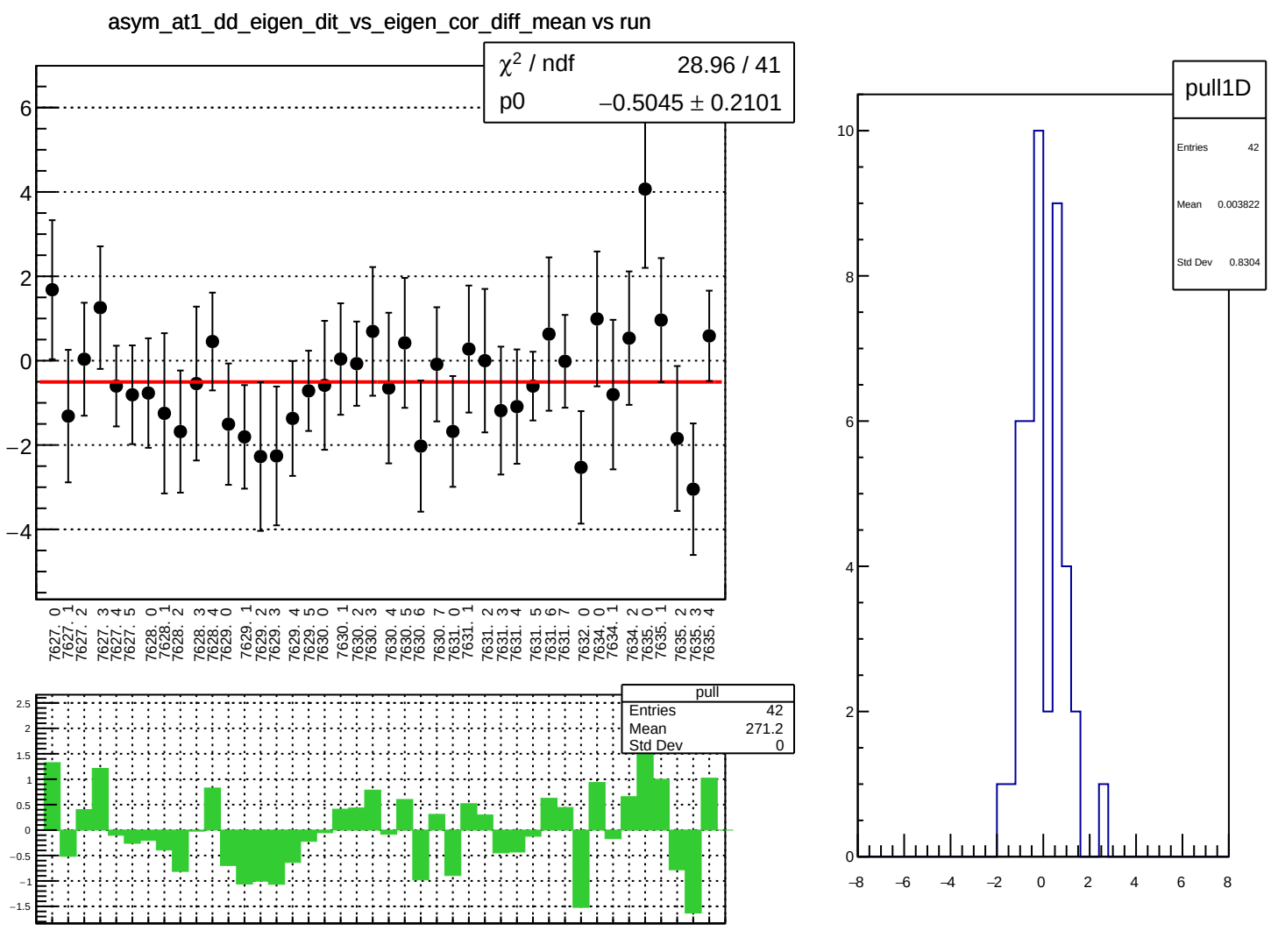

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.47 / 41
p0 −1.376e−05 ± 7.177e−06
pull
Entries 42
Mean 16.79
Std Dev 0

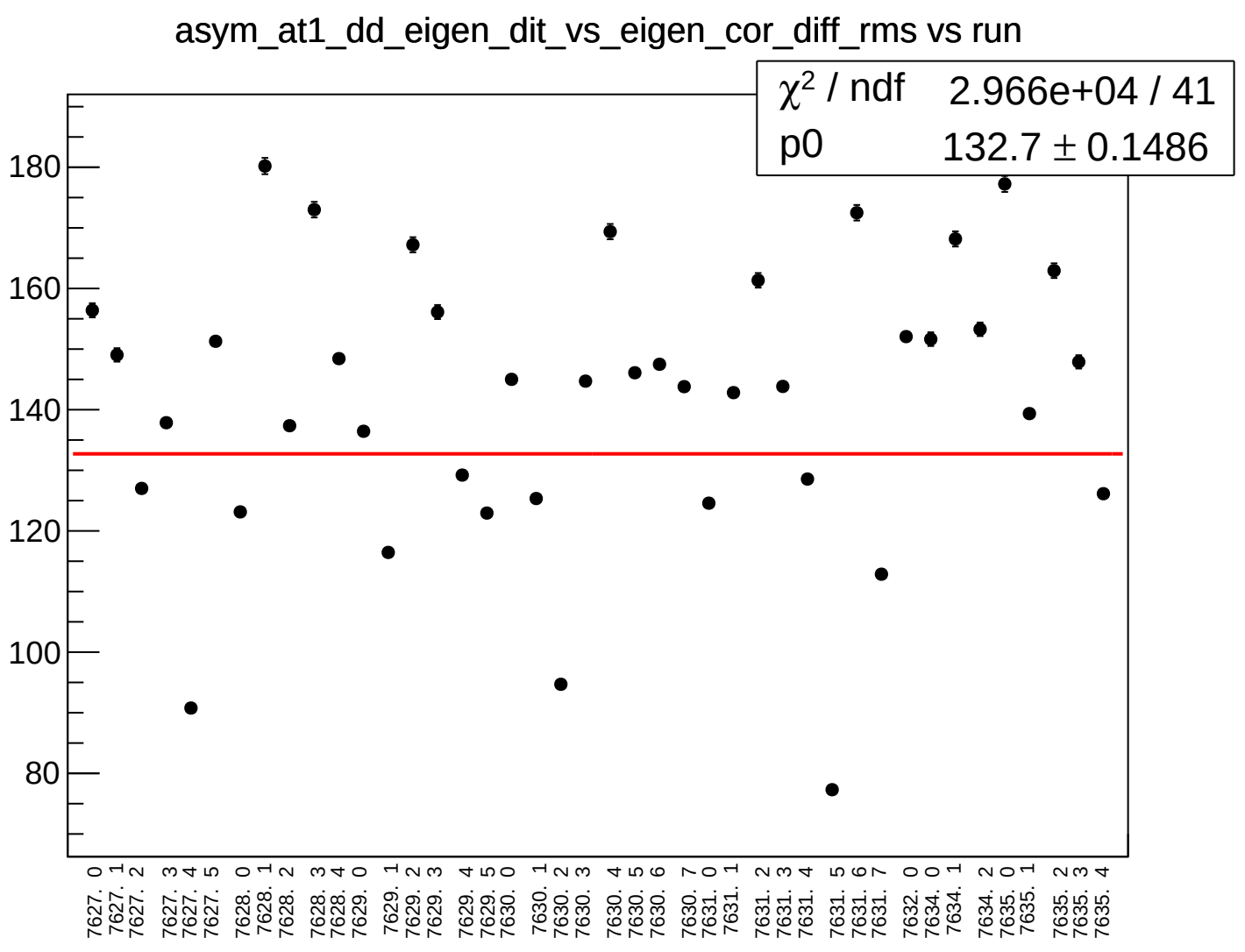

pull1D
Entries 42
Mean −0.03641
Std Dev 1.04

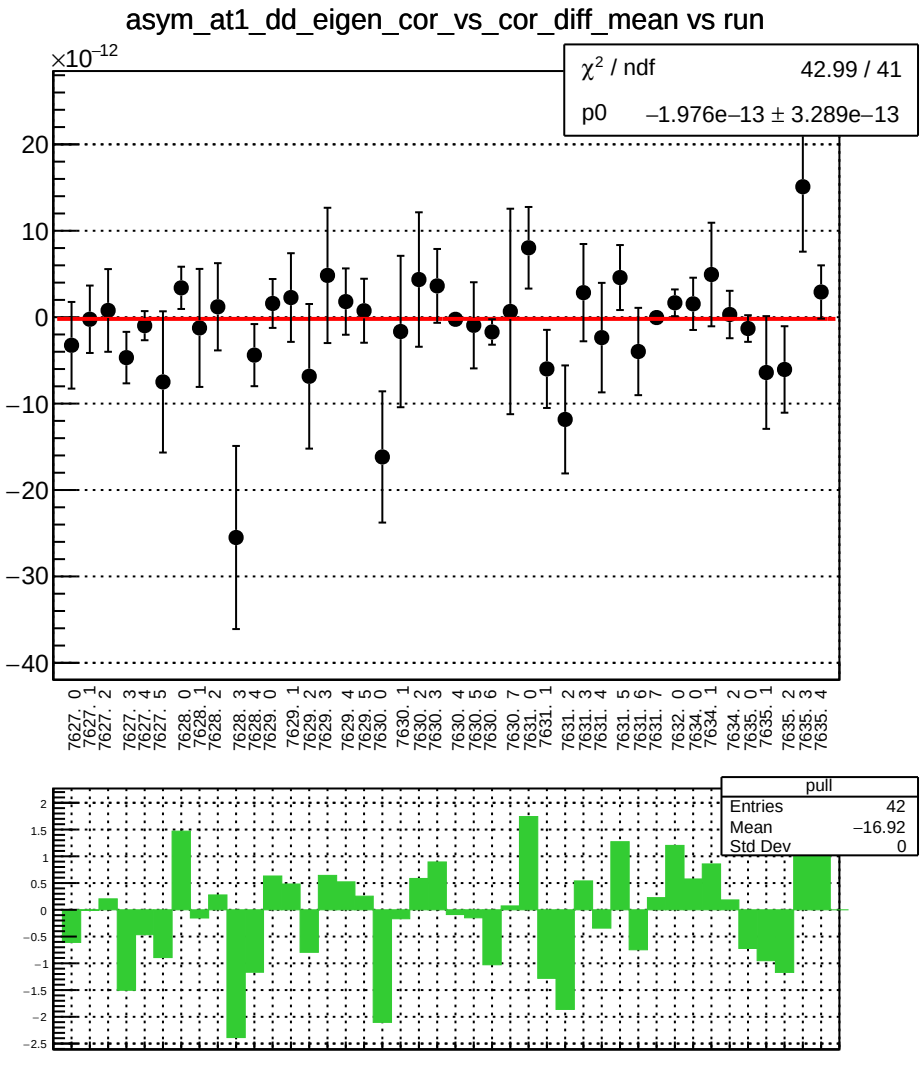

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.101e+04 / 41
p0 0.00453 ± 5.075e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

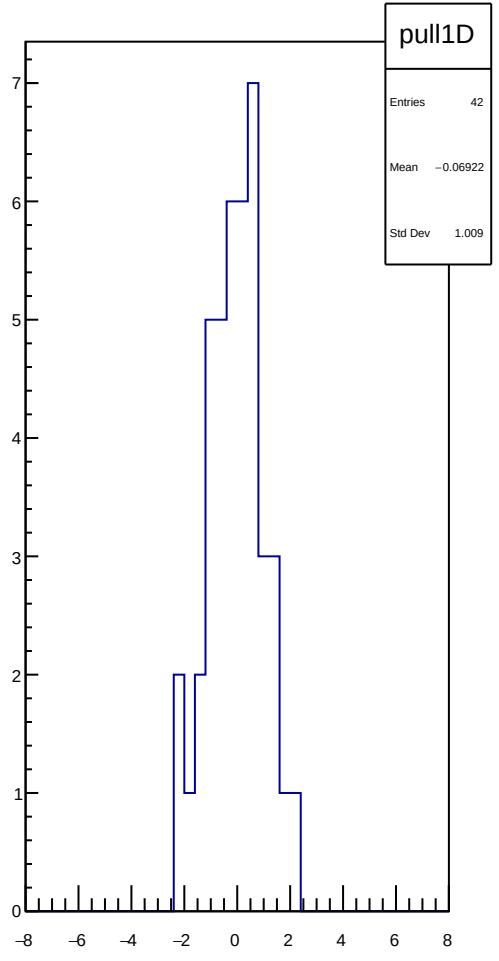

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.96 / 41
p0 −0.5045 ± 0.2101
pull
Entries 42
Mean 271.2
Std Dev 0
pull1D
Entries 42
Mean 0.003822
Std Dev 0.8304

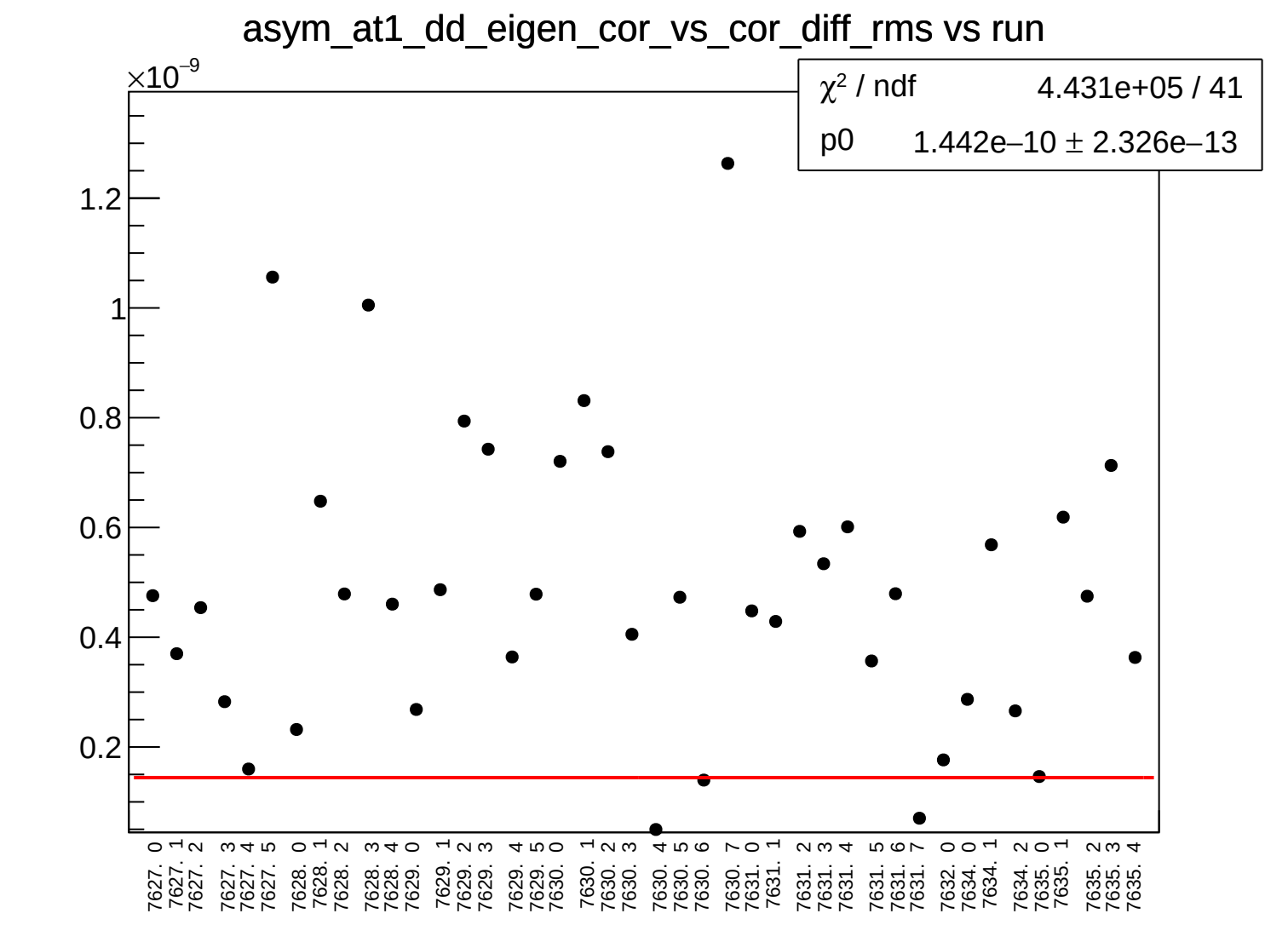

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.966e+04 / 41
p0 132.7 ± 0.1486
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

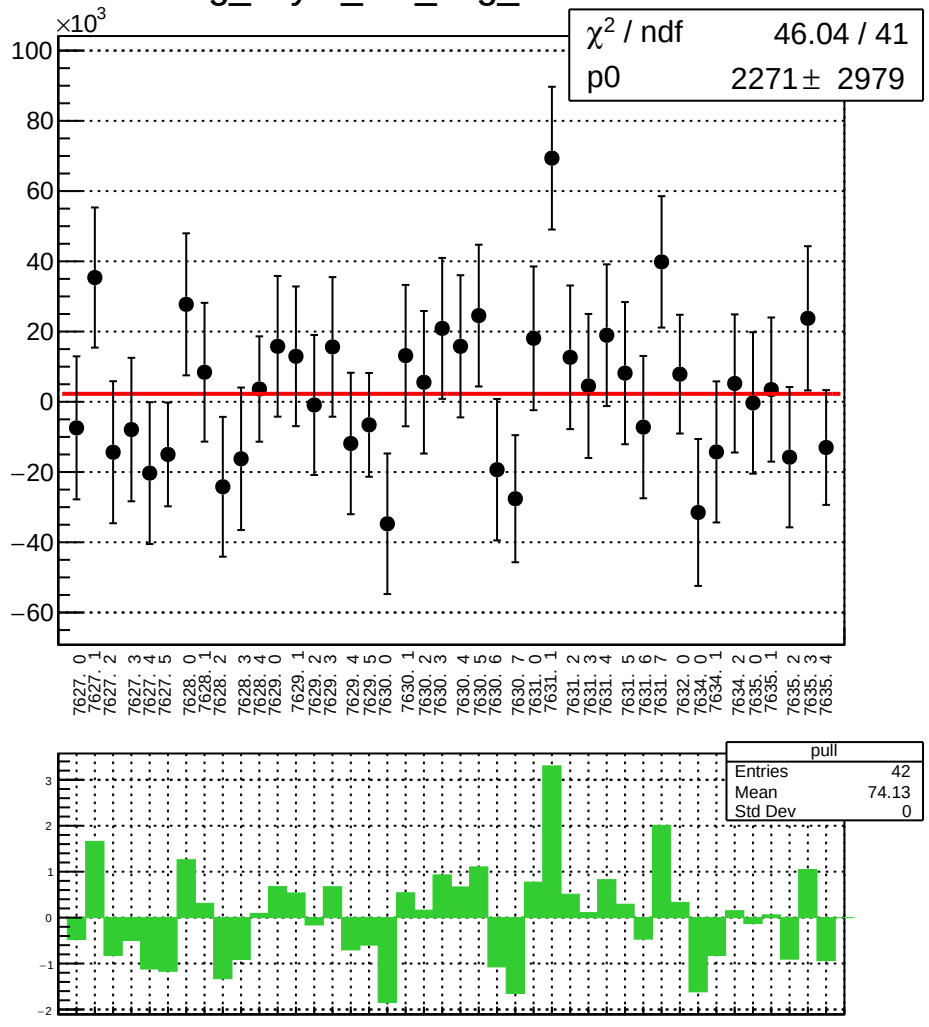

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.96 / 41
p0 −0.5045 ± 0.2101
pull
Entries 42
Mean 271.2
Std Dev 0
pull1D
Entries 42
Mean 0.003822
Std Dev 0.8304

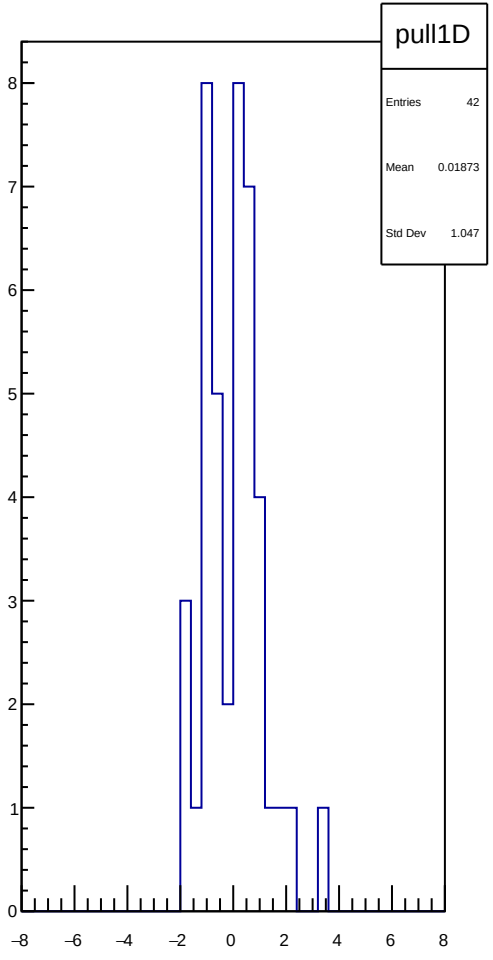

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.966e+04 / 41
p0 132.7 ± 0.1486
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

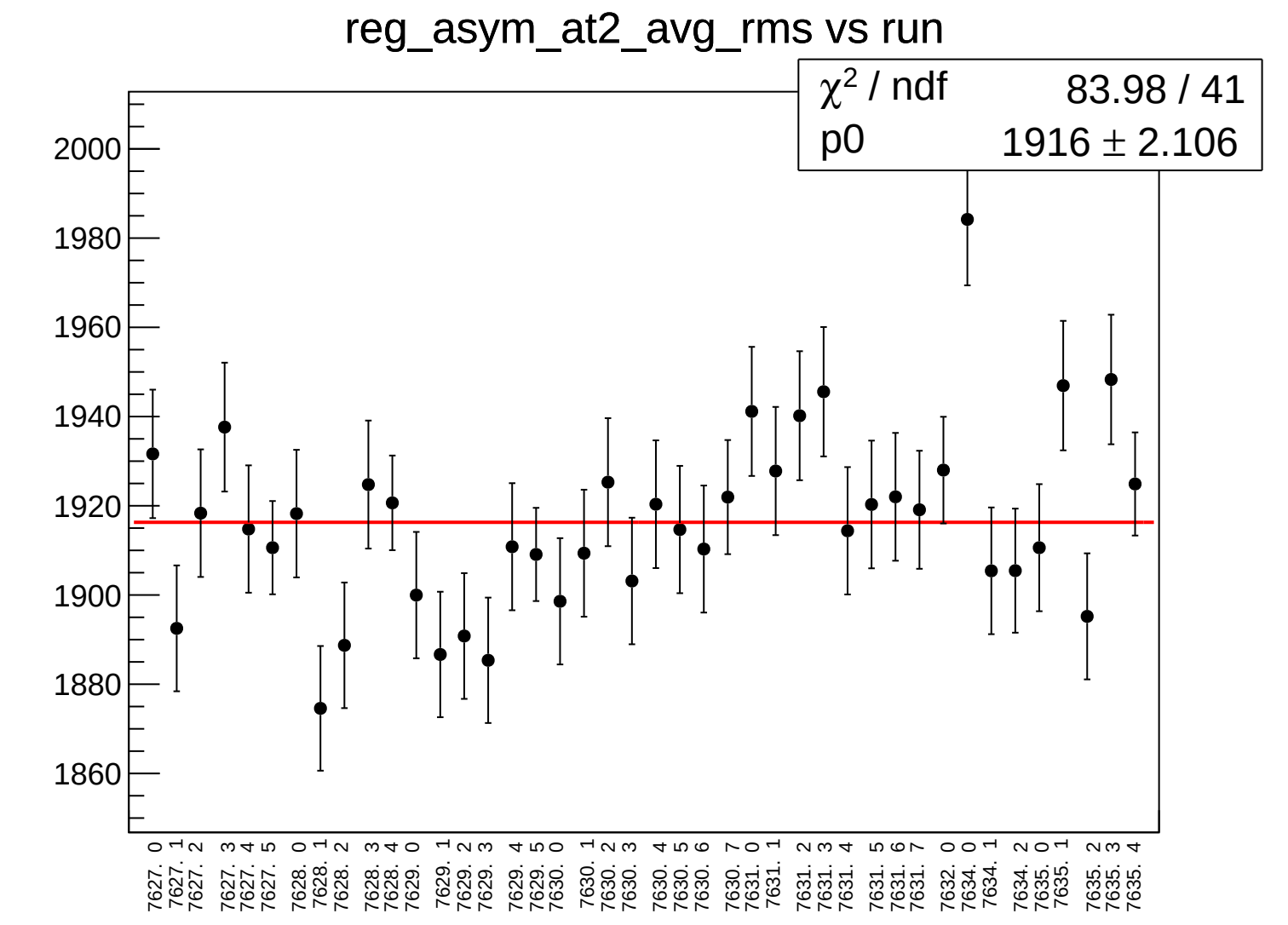

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.99 / 41
p0 −1.976e−13 ± 3.289e−13
pull
Entries 42
Mean −16.92
Std Dev 0

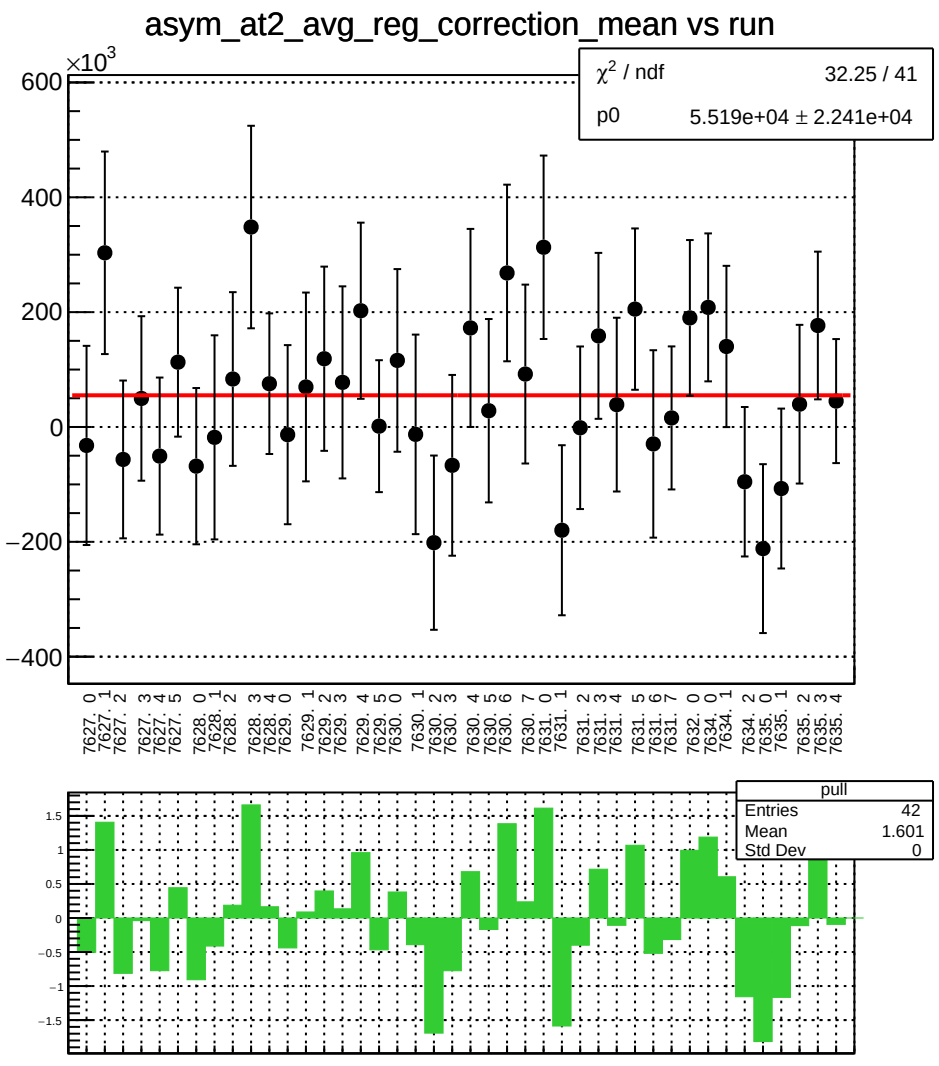

pull1D
Entries 42
Mean −0.06922
Std Dev 1.009

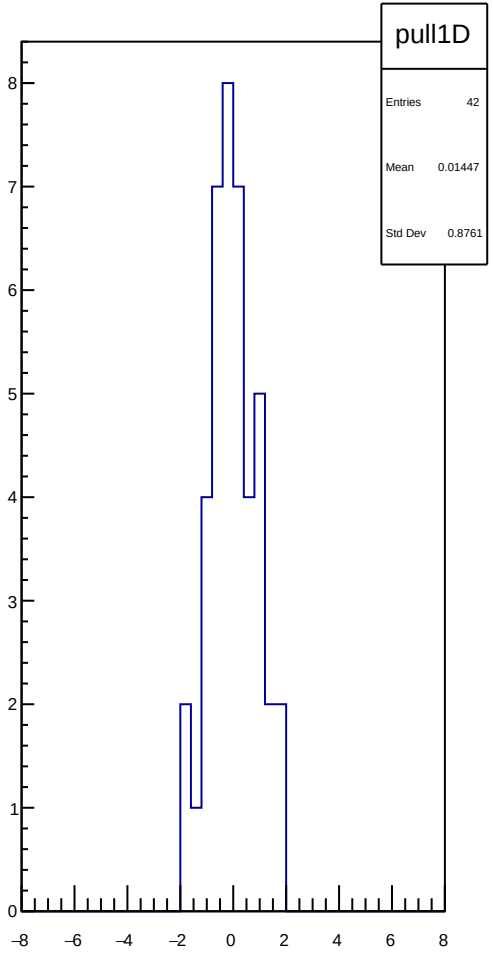

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.431e+05 / 41
p0 1.442e−10 ± 2.326e−13
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

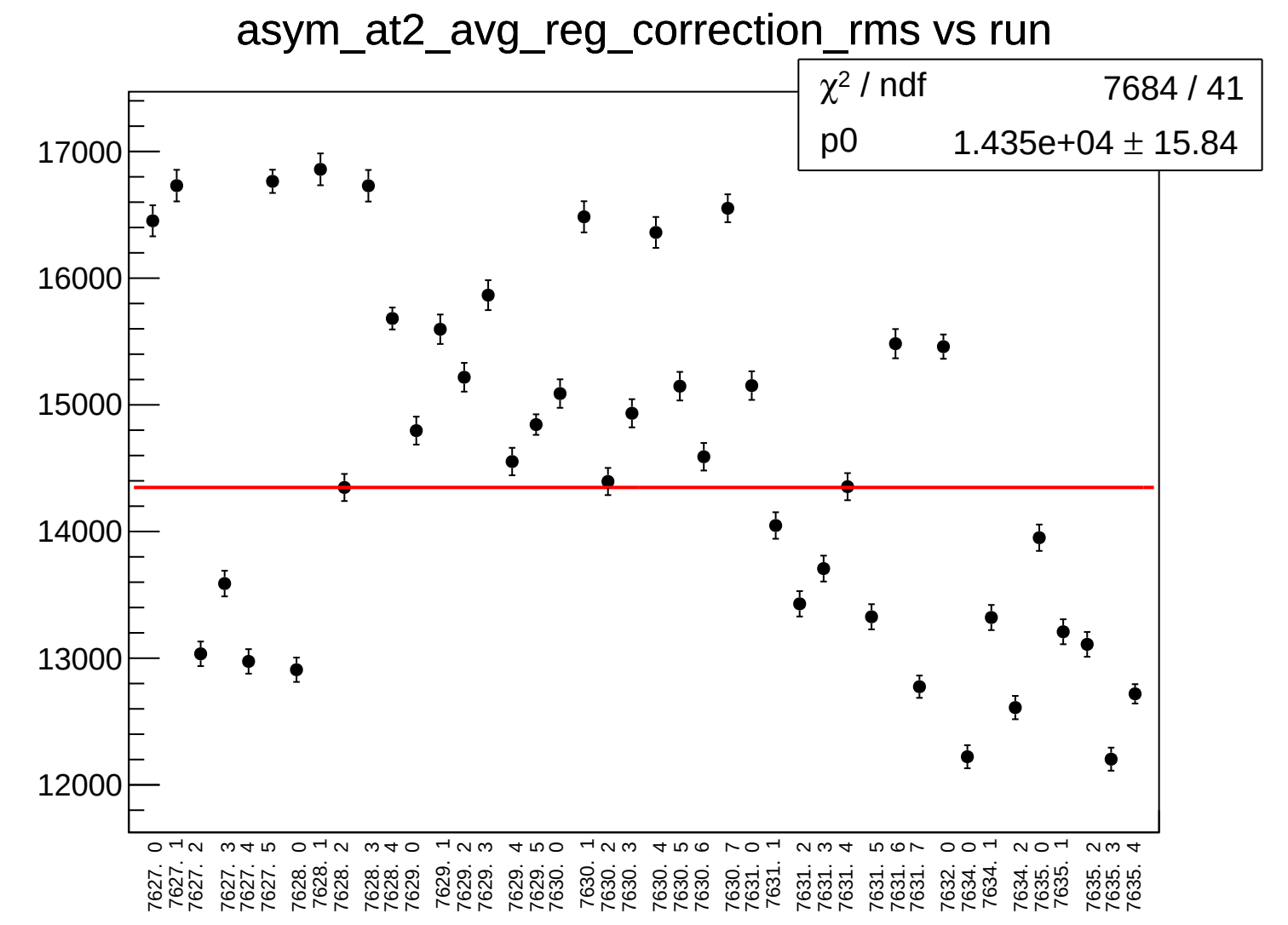

reg_asym_at2_avg_mean vs run
×10^3
χ² / ndf 46.04 / 41
p0 2271 ± 2979
pull
Entries 42
Mean 74.13
Std Dev 0

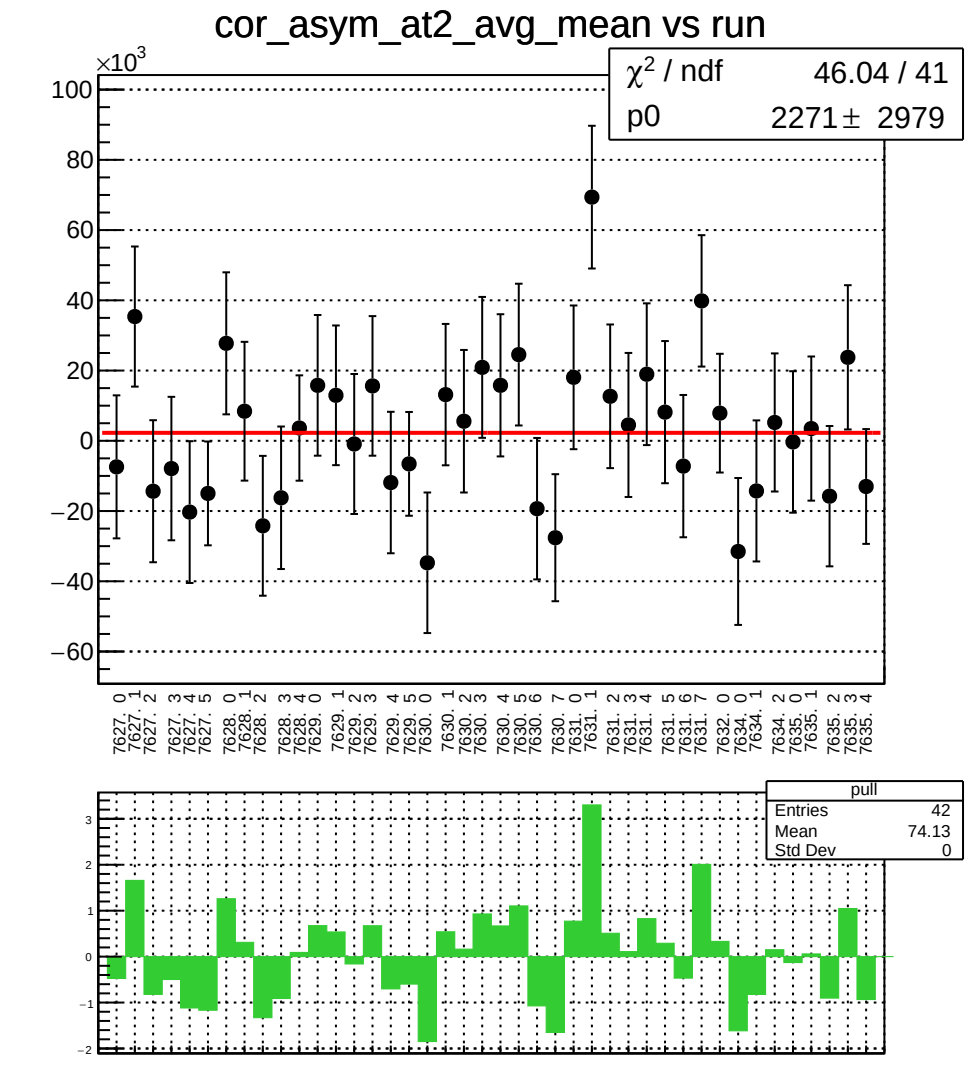

pull1D
Entries 42
Mean 0.01873
Std Dev 1.047

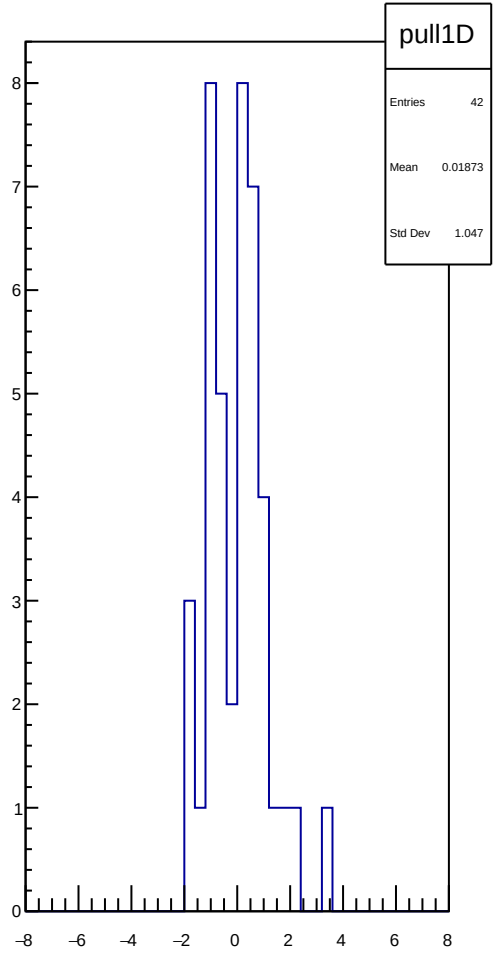

reg_asym_at2_avg_rms vs run
χ² / ndf 83.98 / 41
p0 1916 ± 2.106
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

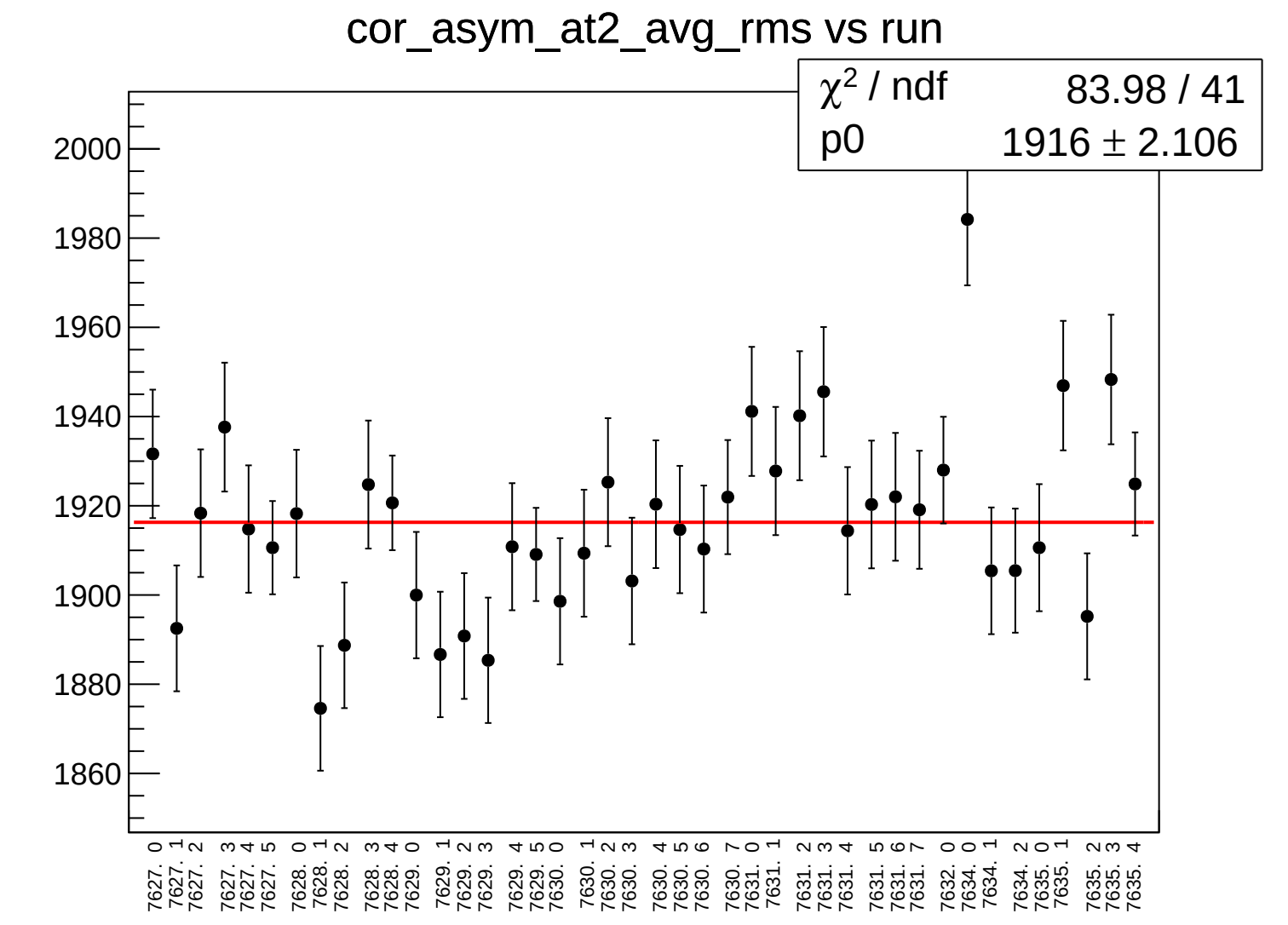

asym_at2_avg_reg_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 32.25 / 41
p0 5.519e+04 ± 2.241e+04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1.601
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

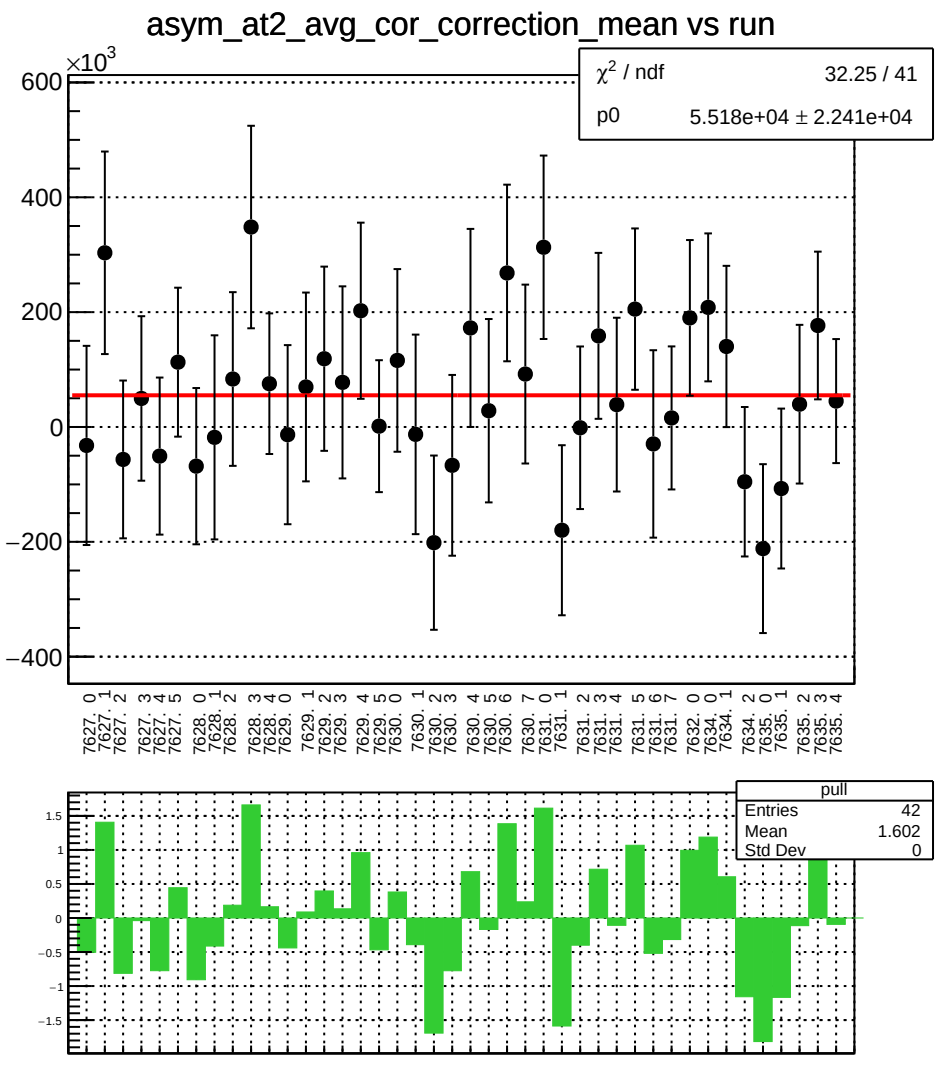

pull1D
Entries 42
Mean 0.01447
Std Dev 0.8761
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

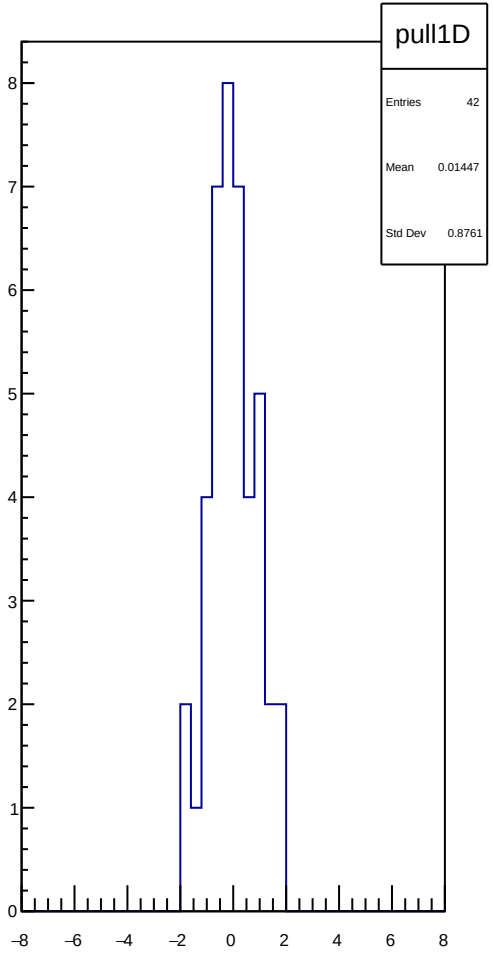

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 7684 / 41
p0 1.435e+04 ± 15.84
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

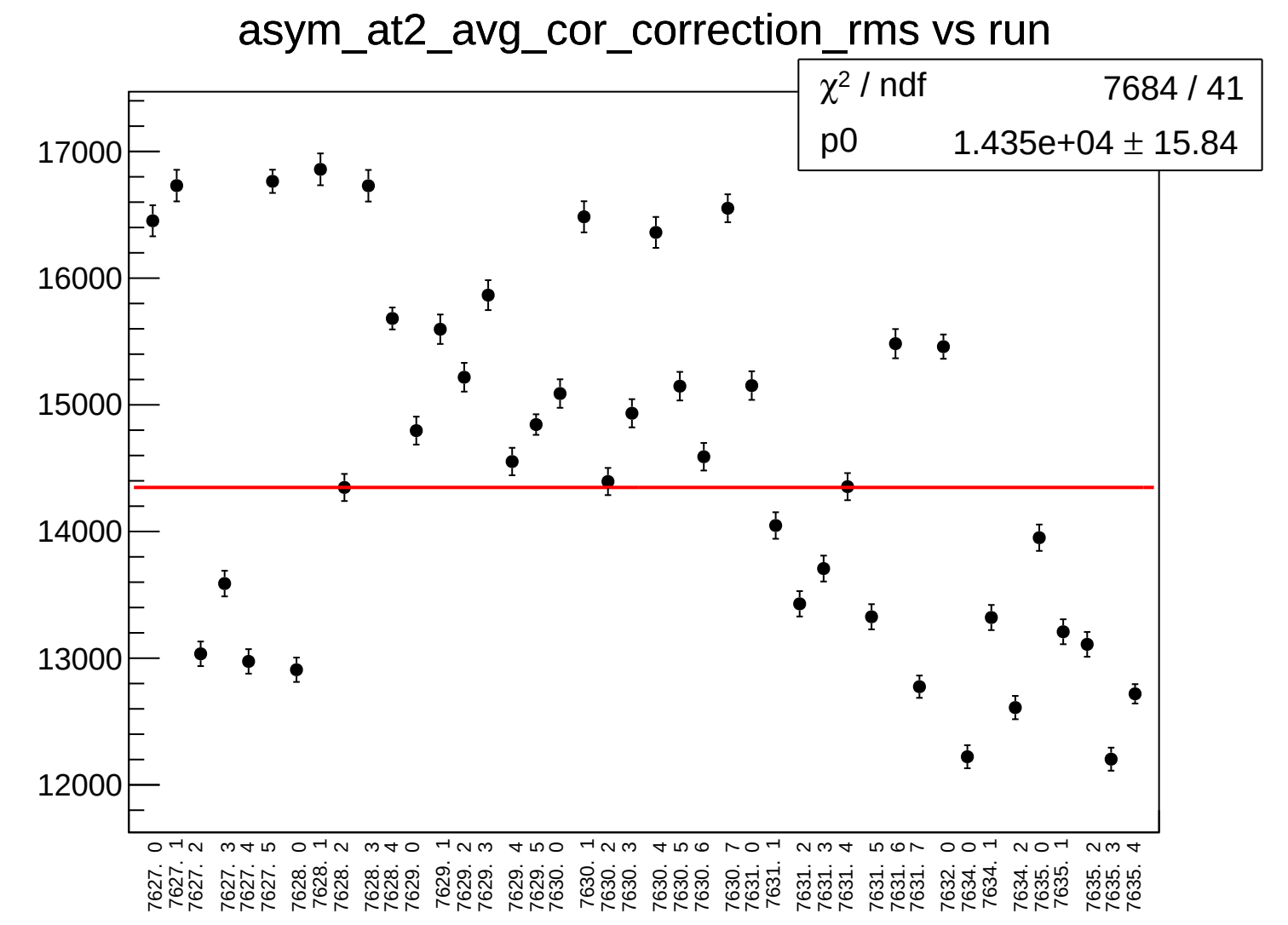

cor_asym_at2_avg_mean vs run
×10^3
χ² / ndf 46.04 / 41
p0 2271 ± 2979
pull
Entries 42
Mean 74.13
Std Dev 0

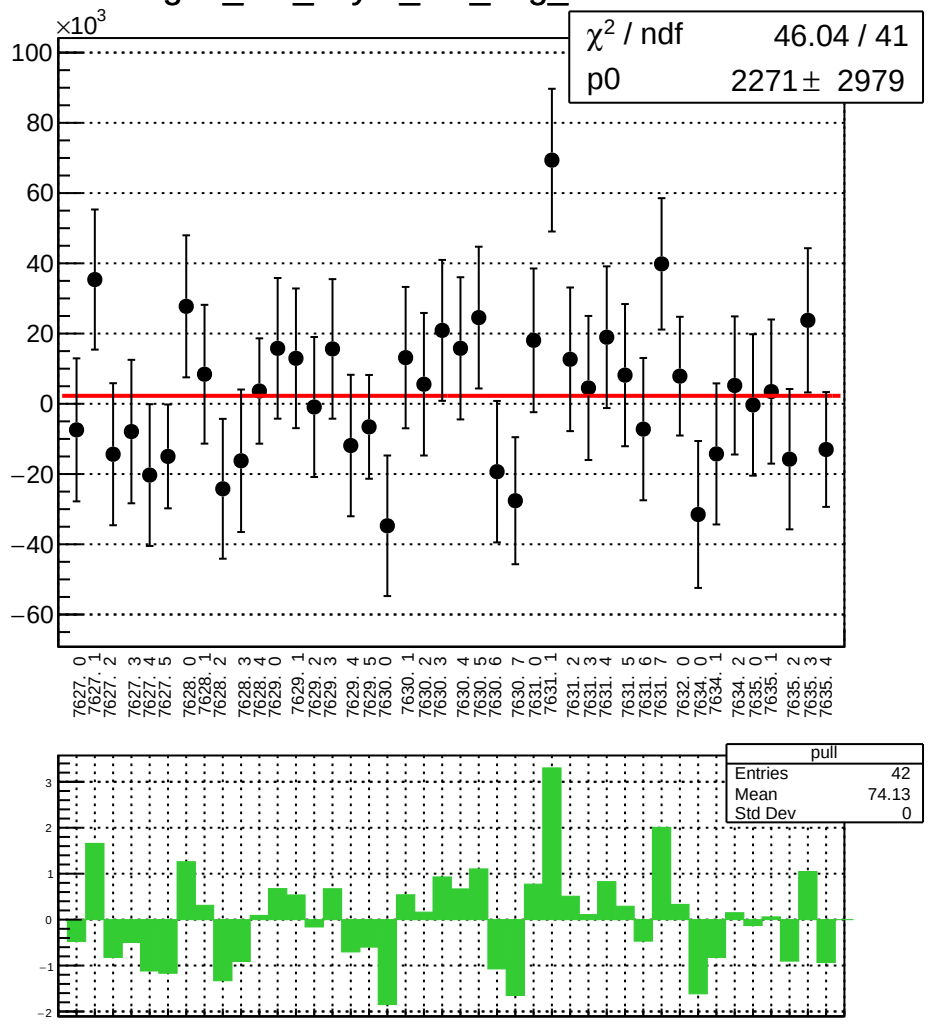

pull1D
Entries 42
Mean 0.01873
Std Dev 1.047

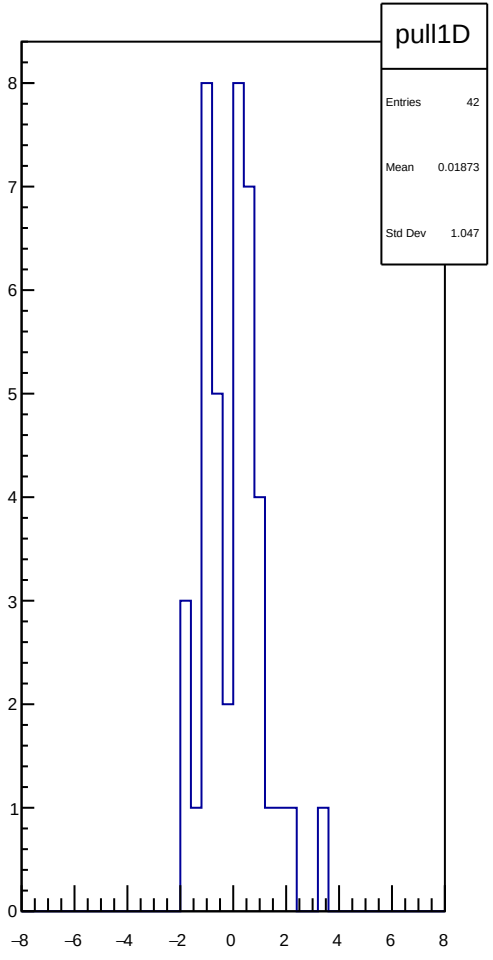

cor_asym_at2_avg_rms vs run
χ² / ndf 83.98 / 41
p0 1916 ± 2.106
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

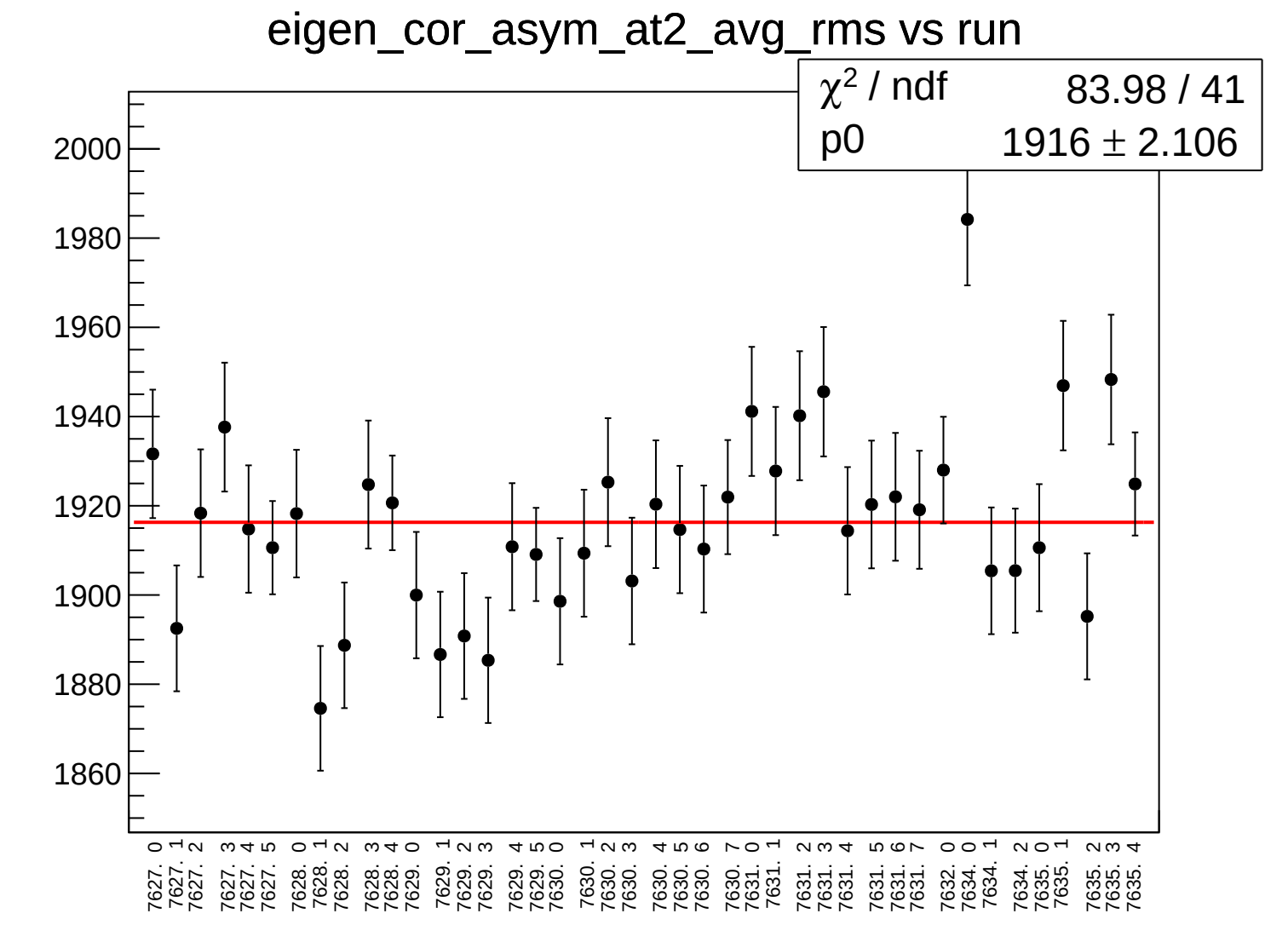

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 32.25 / 41
p0 5.518e+04 ± 2.241e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1.602
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

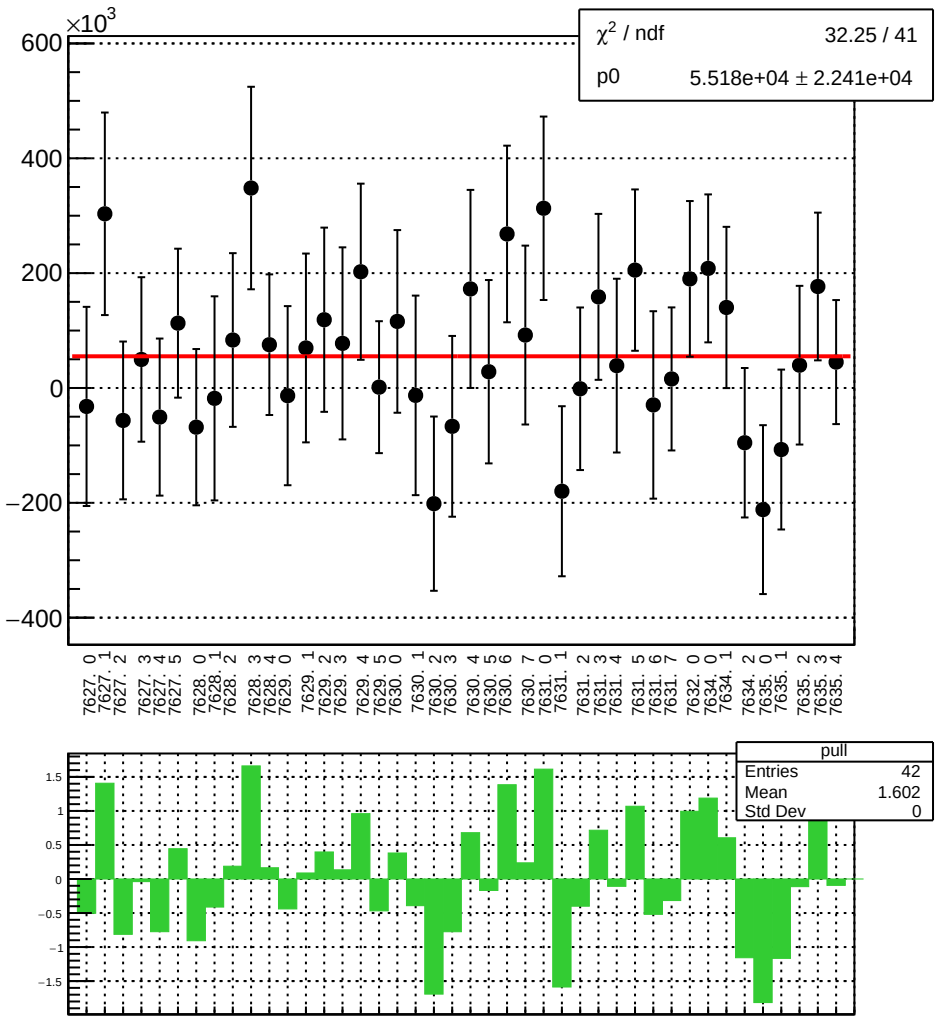

pull1D
Entries 42
Mean 0.01447
Std Dev 0.8761
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

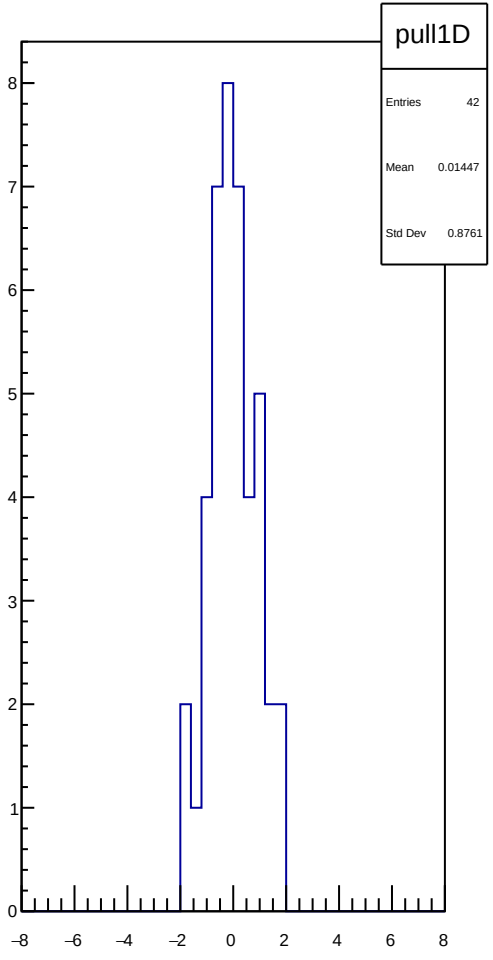

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 7684 / 41
p0 1.435e+04 ± 15.84
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

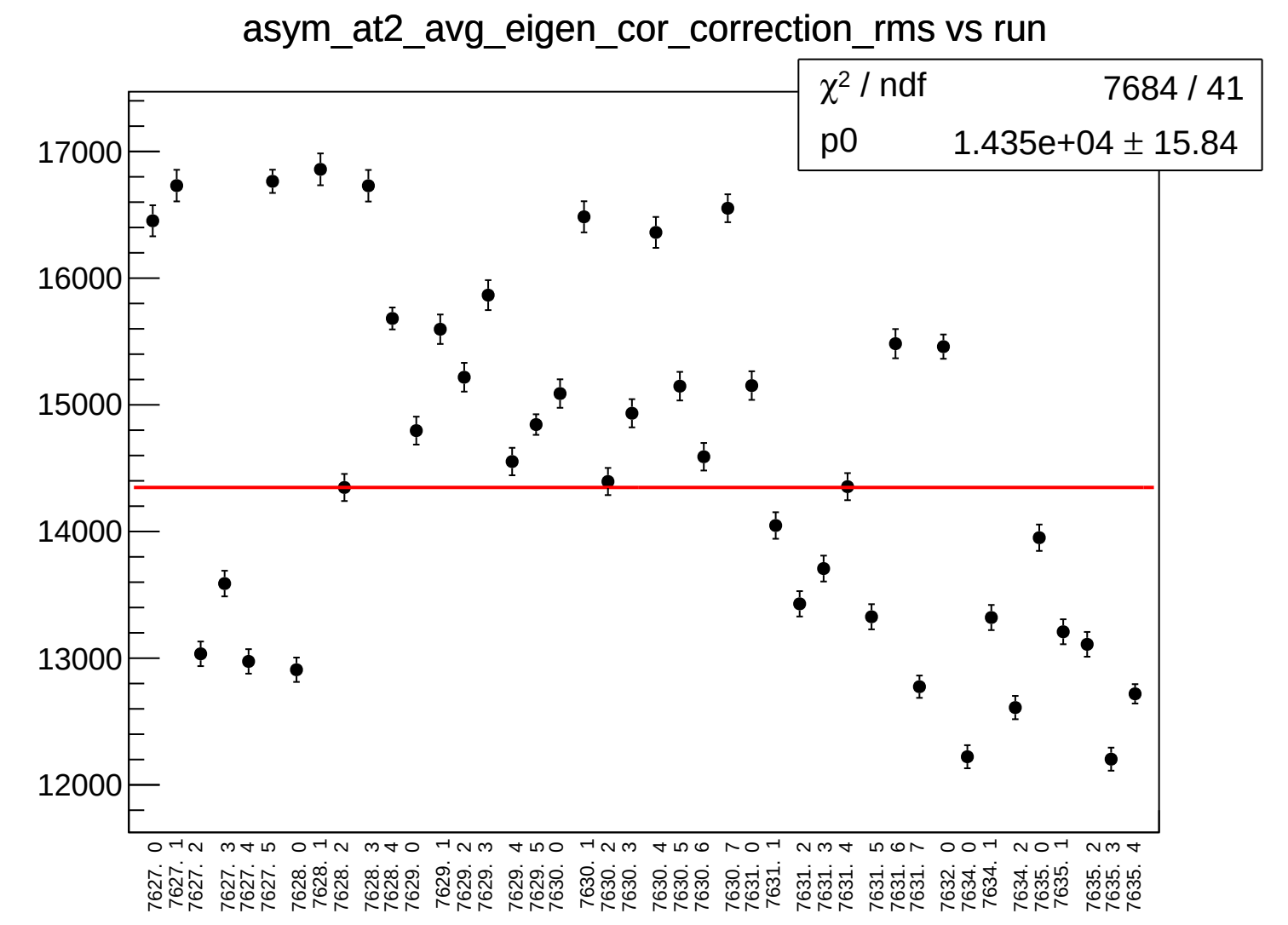

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 46.04 / 41
p0 2271 ± 2979
×10³
pull
Entries 42
Mean 74.13
Std Dev 0

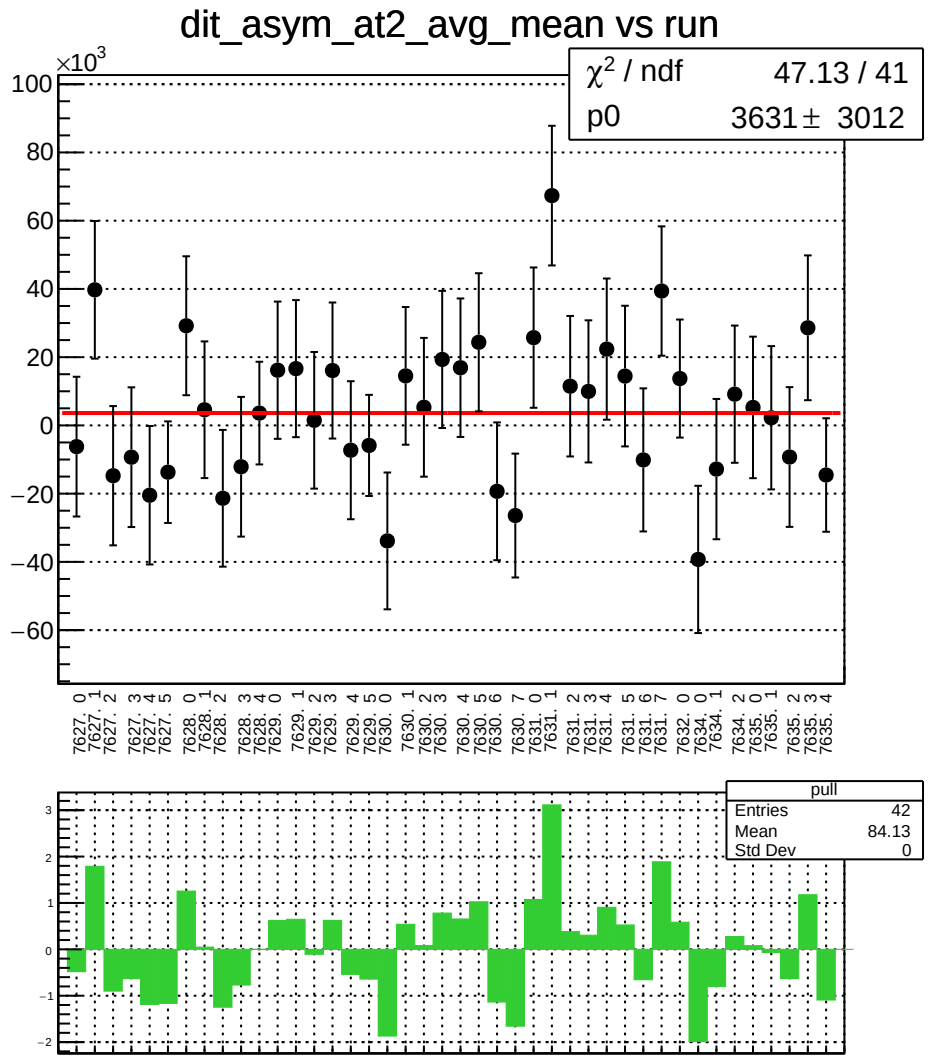

pull1D
Entries 42
Mean 0.01873
Std Dev 1.047

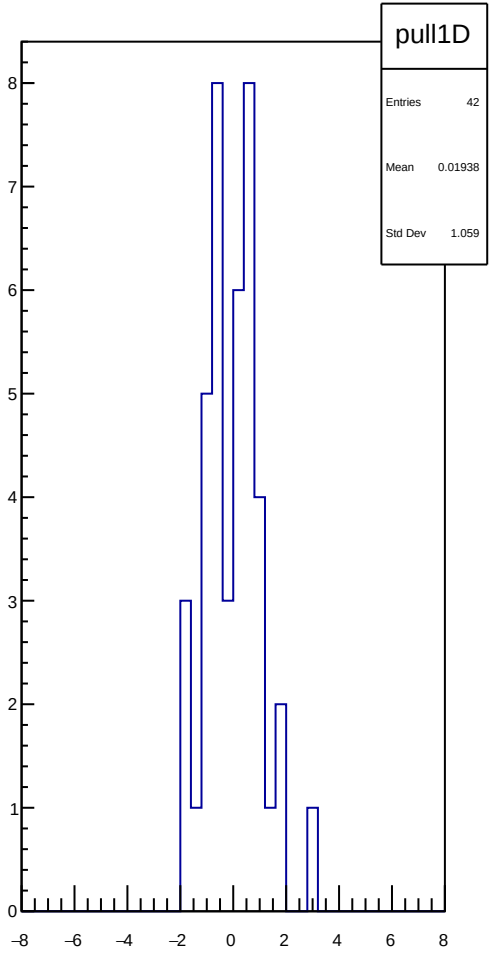

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 83.98 / 41
p0 1916 ± 2.106
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

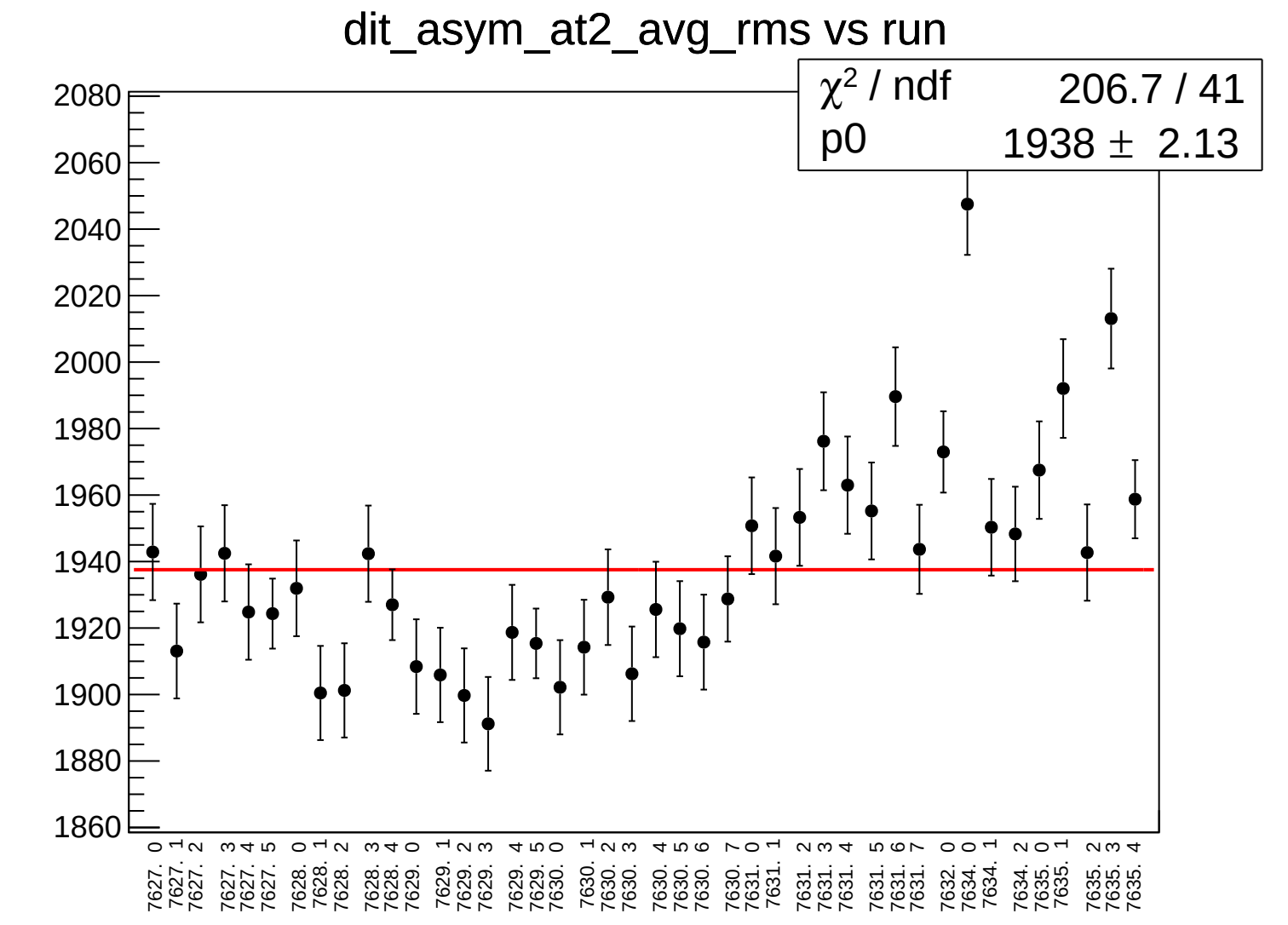

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.25 / 41
p0 5.518e+04 ± 2.241e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1.602
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

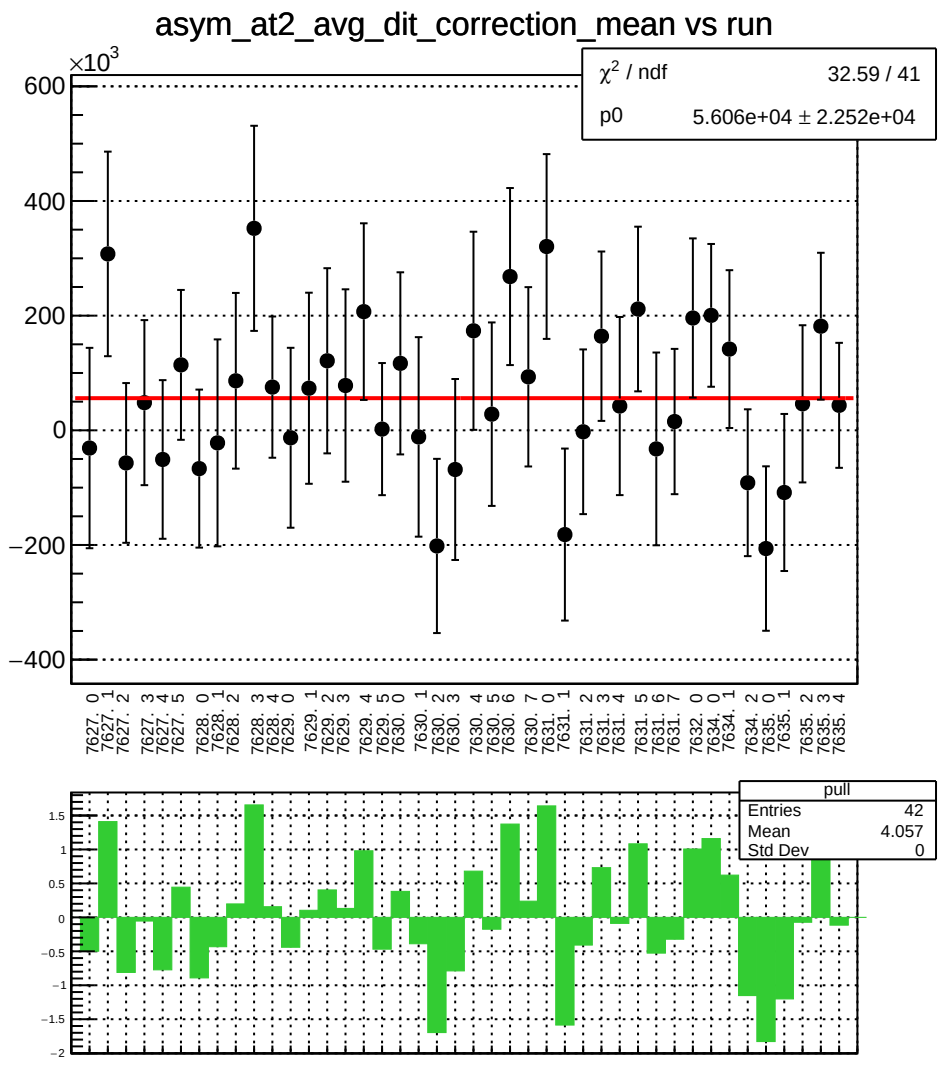

pull1D
Entries 42
Mean 0.01447
Std Dev 0.8761
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

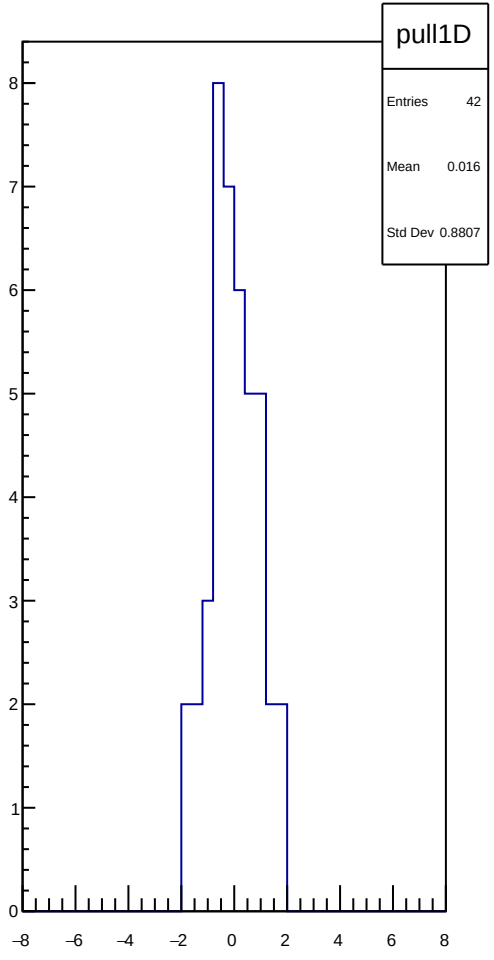

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7684 / 41
p0 1.435e+04 ± 15.84
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

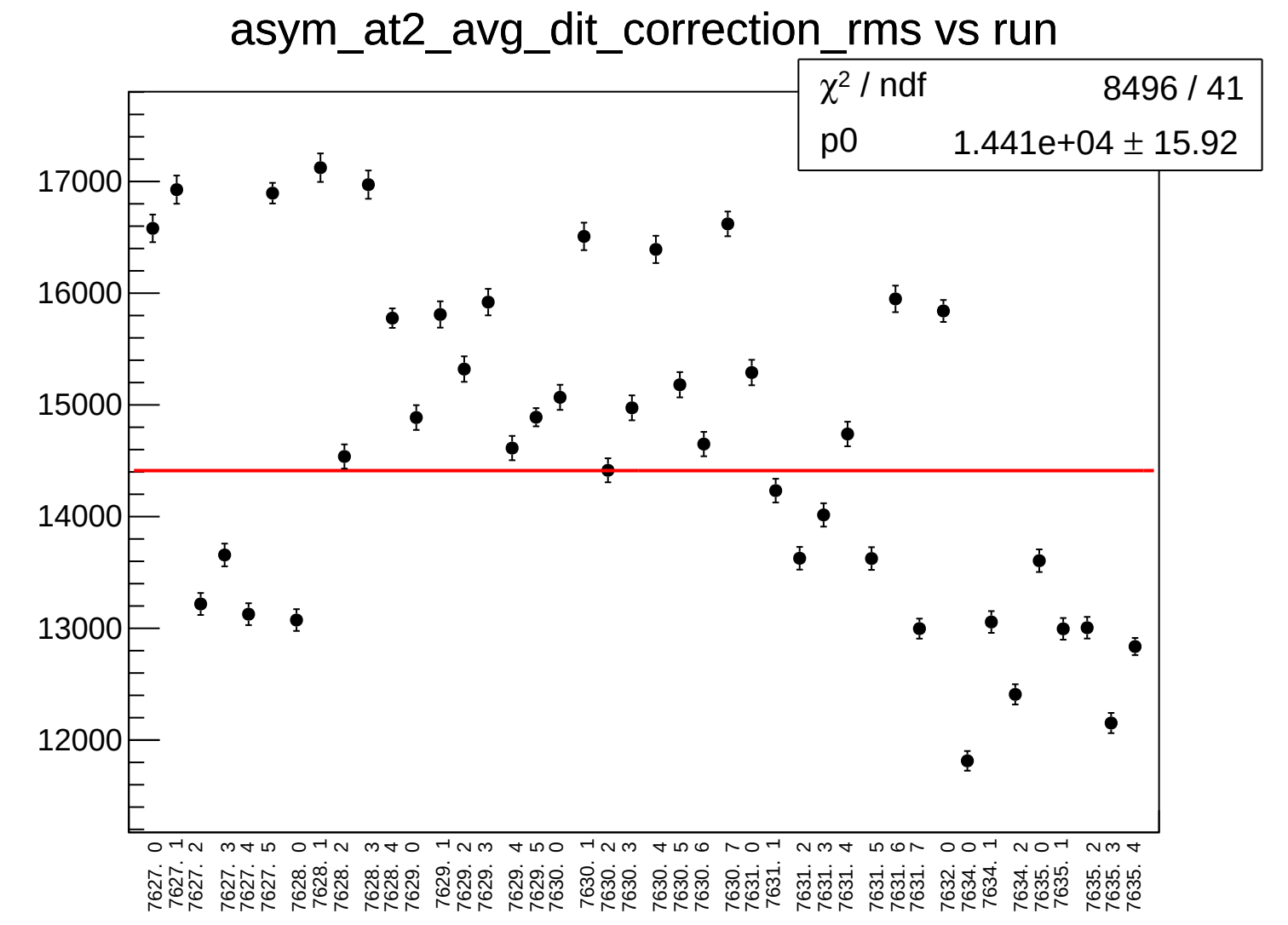

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 47.13 / 41
p0 3631 ± 3012
pull
Entries 42
Mean 84.13
Std Dev 0


pull1D
Entries 42
Mean 0.01938
Std Dev 1.059


dit_asym_at2_avg_rms vs run
χ² / ndf 206.7 / 41
p0 1938 ± 2.13
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.59 / 41
p0 5.606e+04 ± 2.252e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 4.057
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.016
Std Dev 0.8807
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 8496 / 41
p0 1.441e+04 ± 15.92
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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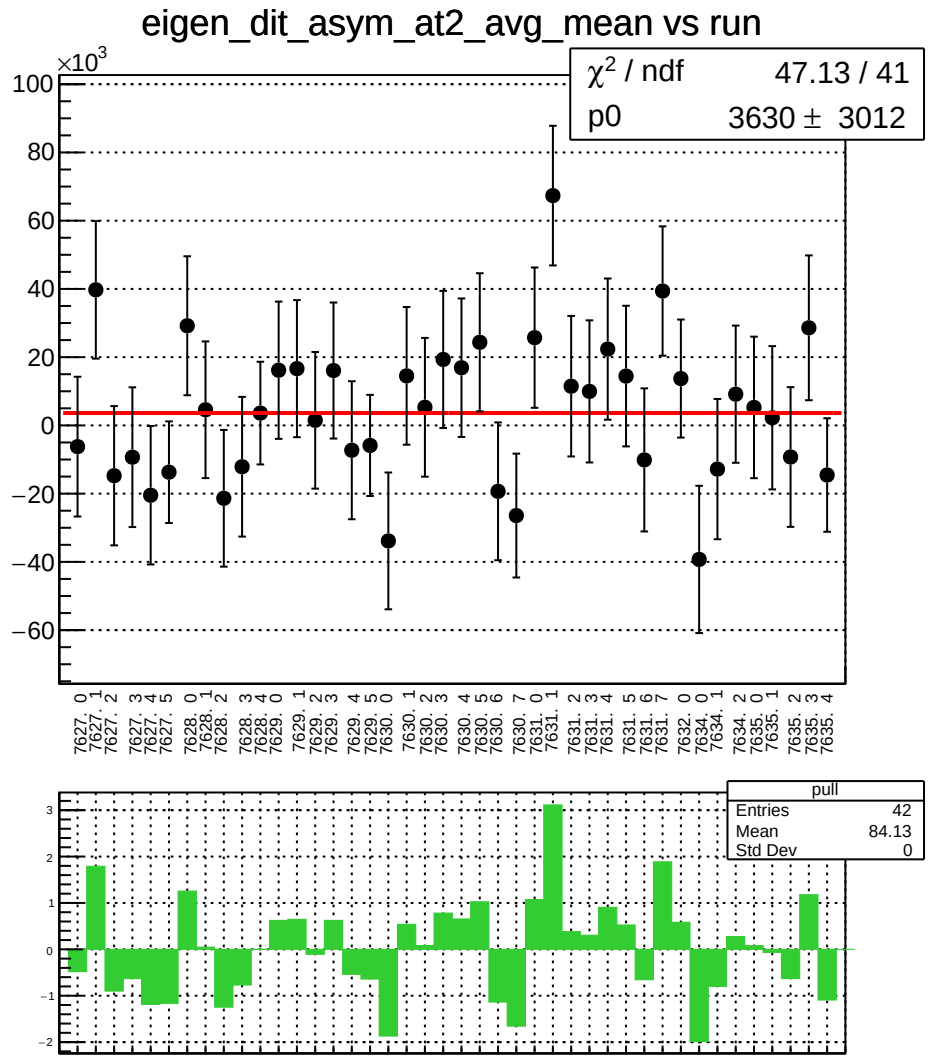
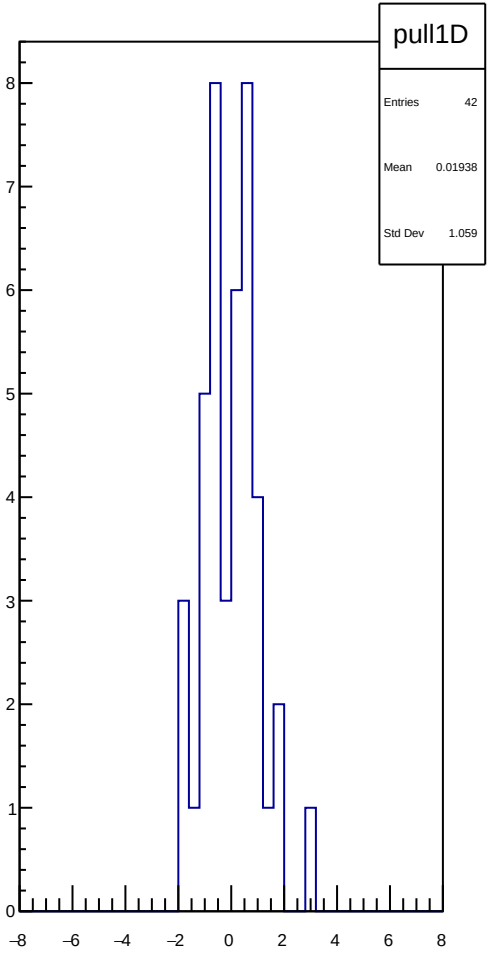
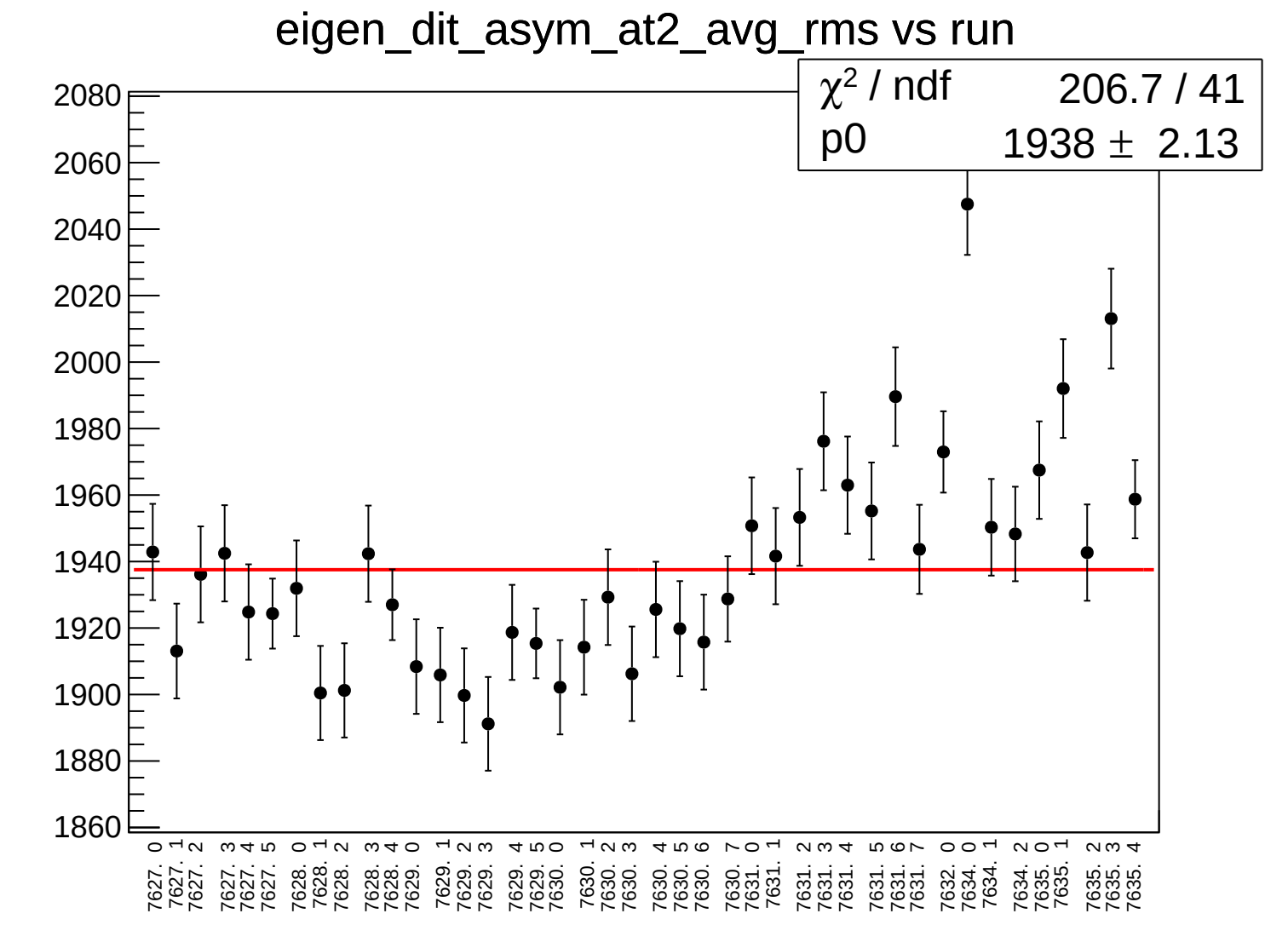
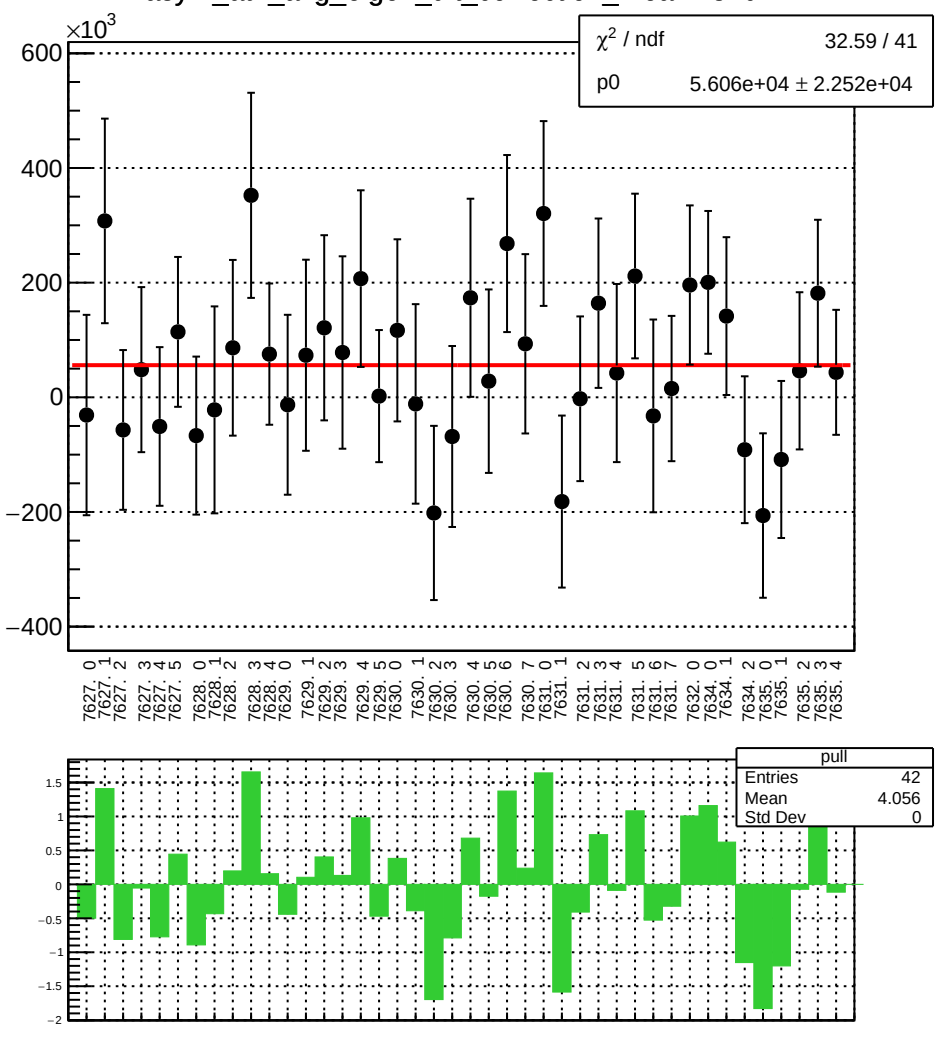
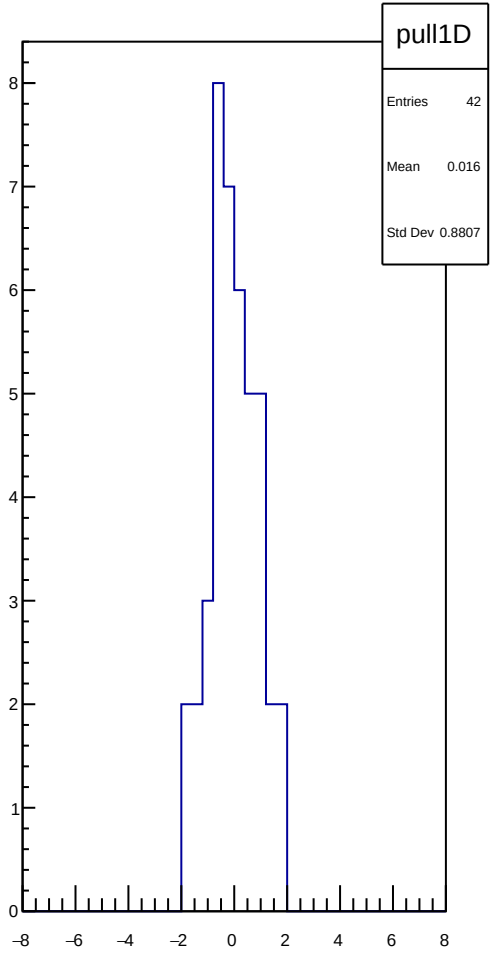
7635. 3
7635. 4

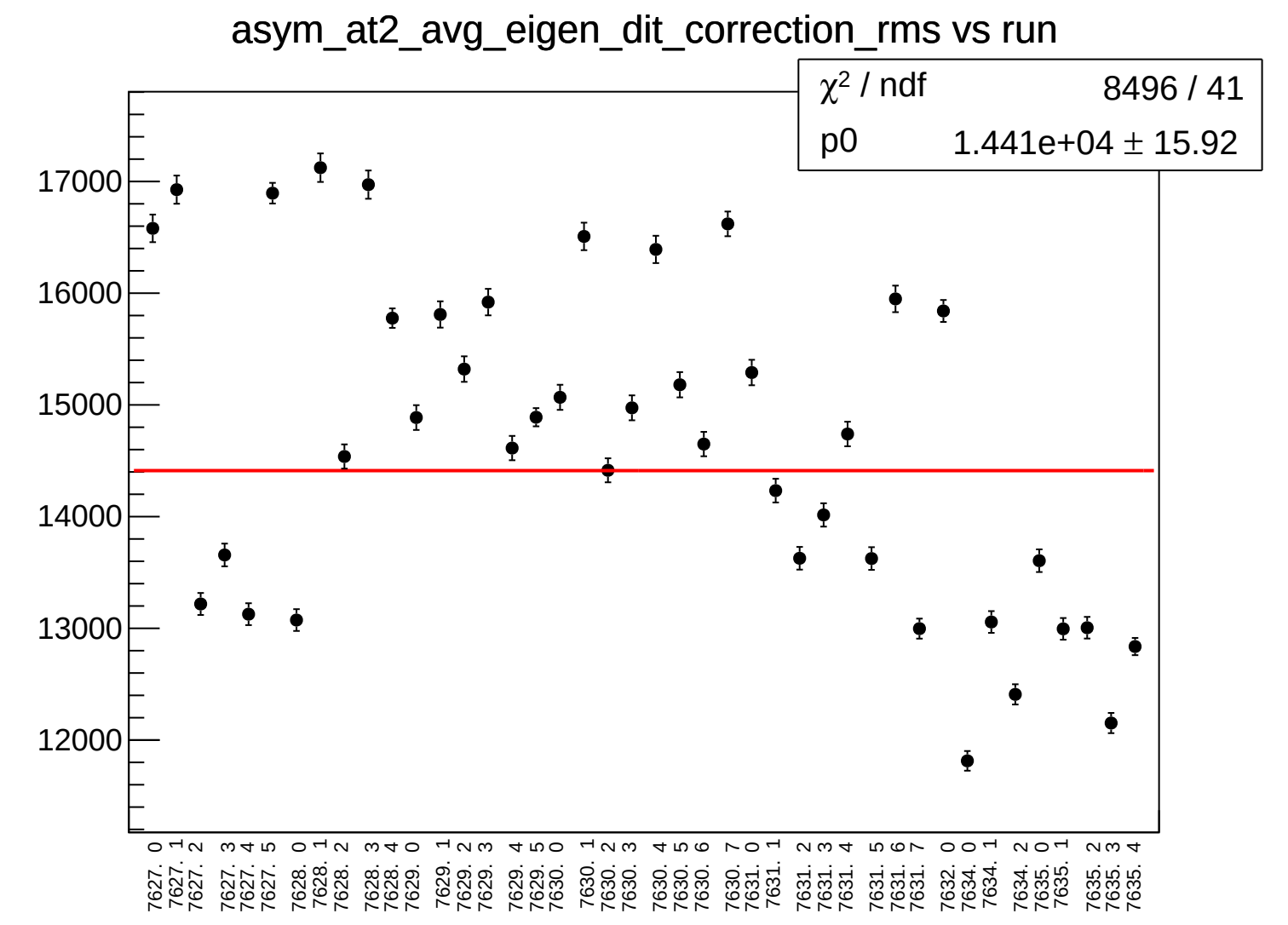

eigen_dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 47.13 / 41
p0 3630 ± 3012
pull
Entries 42
Mean 84.13
Std Dev 0

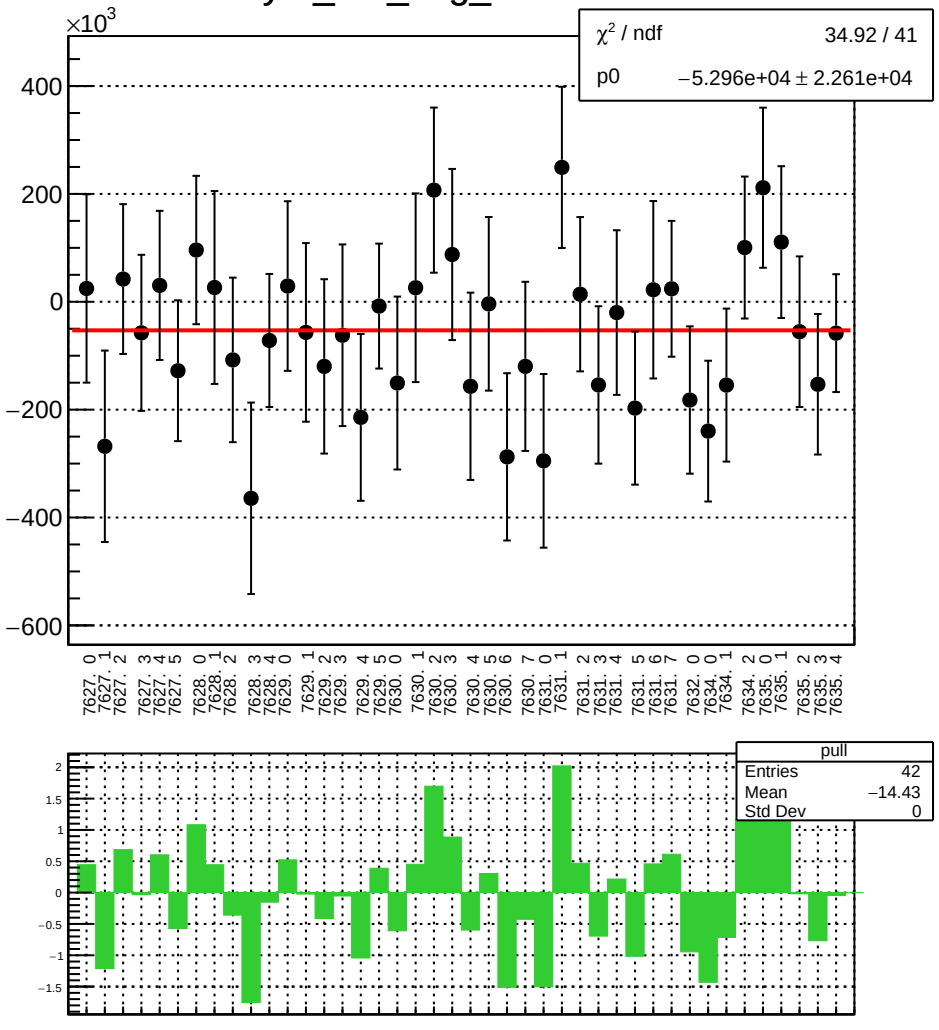

pull1D
Entries 42
Mean 0.01938
Std Dev 1.059

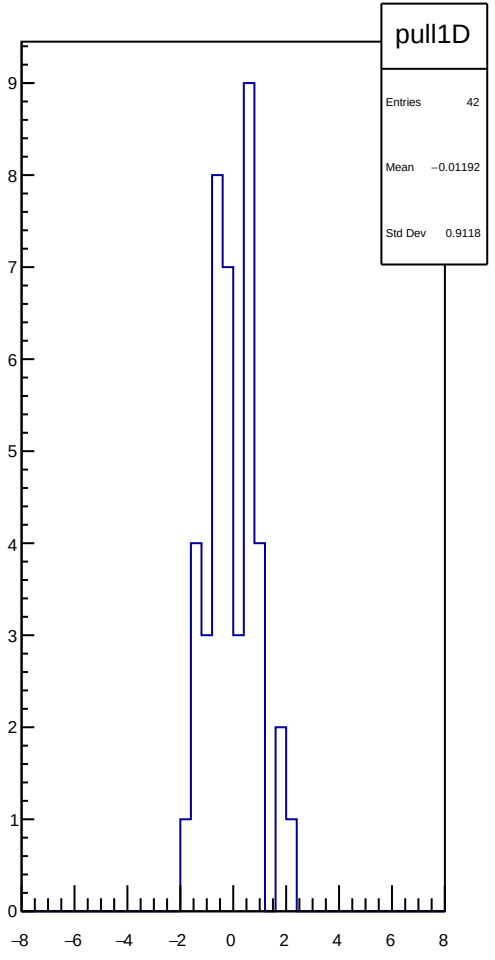

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 206.7 / 41
p0 1938 ± 2.13
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

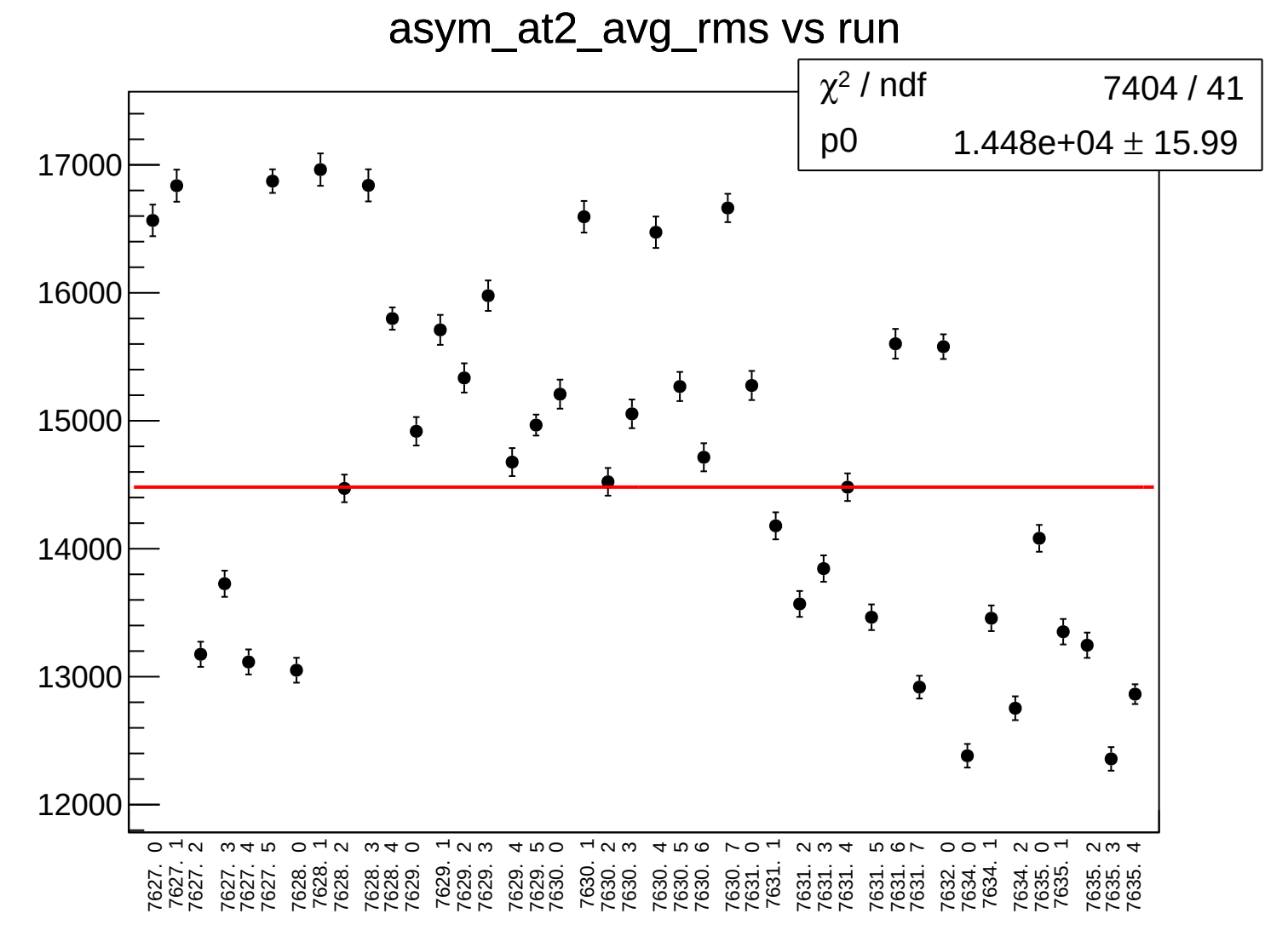

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.59 / 41
p0 5.606e+04 ± 2.252e+04
pull
Entries 42
Mean 4.056
Std Dev 0

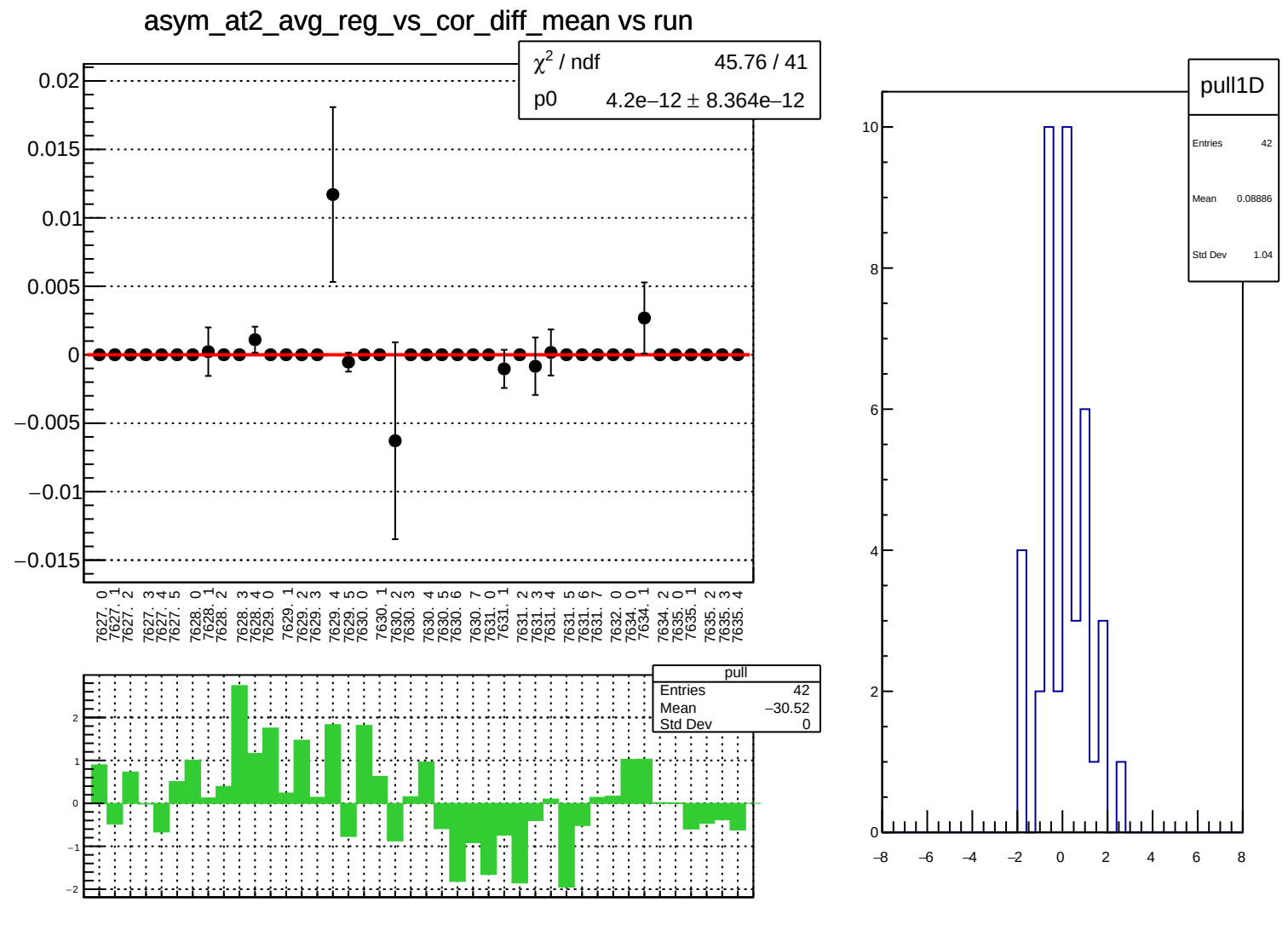

pull1D
Entries 42
Mean 0.016
Std Dev 0.8807

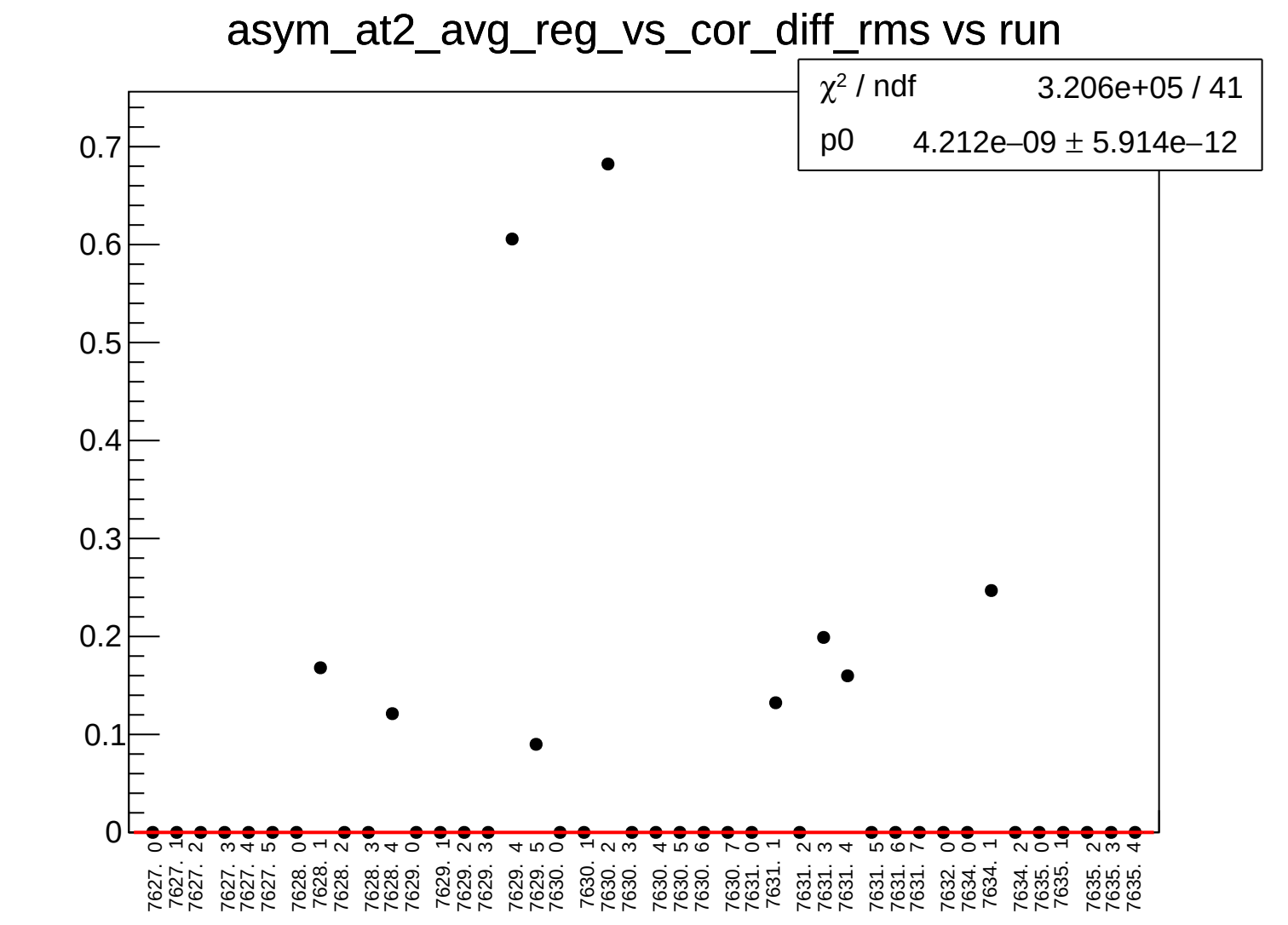

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 8496 / 41
p0 1.441e+04 ± 15.92
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

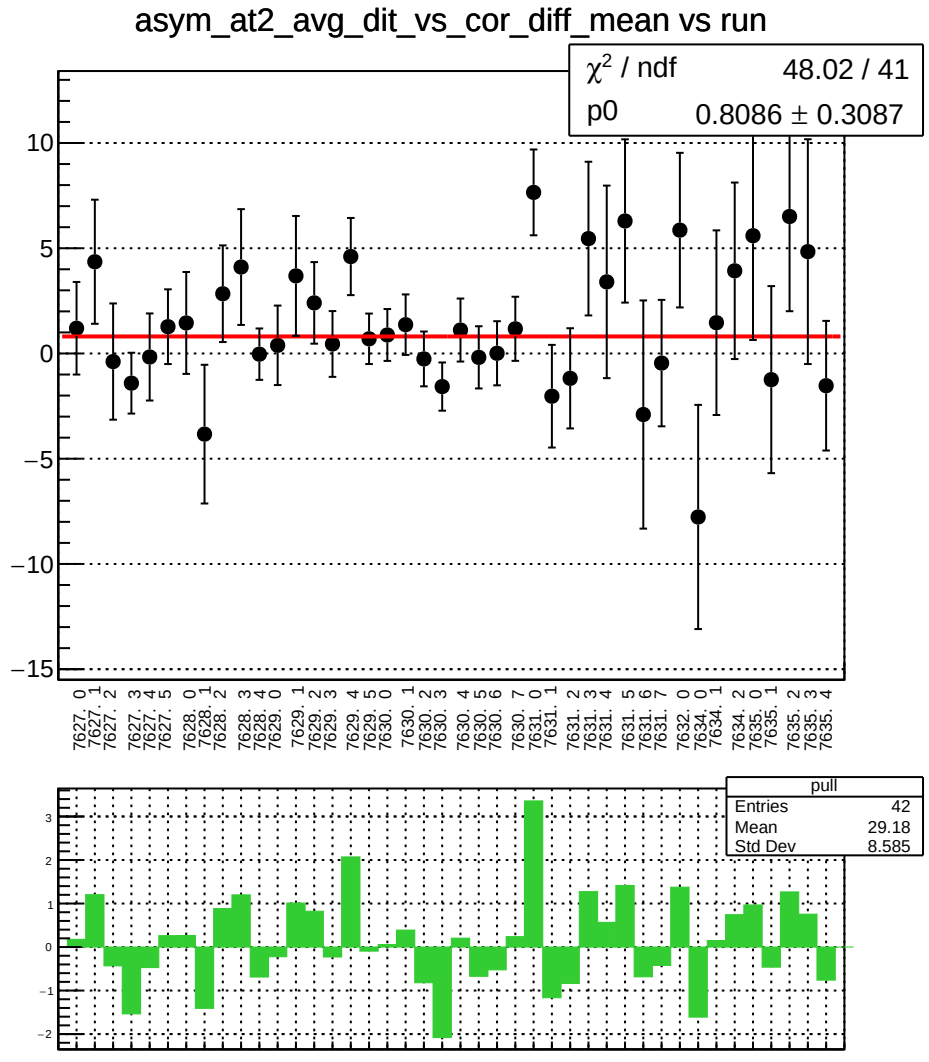

asym_at2_avg_mean vs run
×10^3
χ² / ndf 34.92 / 41
p0 −5.296e+04 ± 2.261e+04
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −14.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

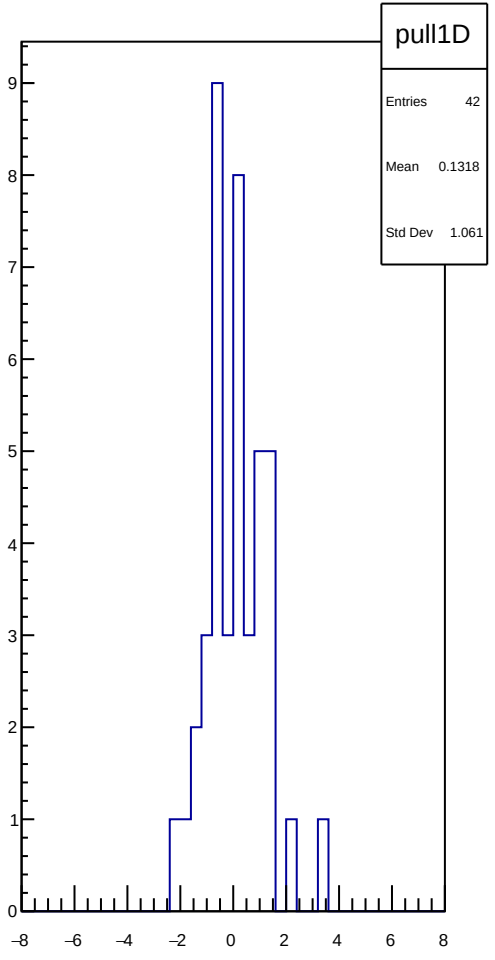

pull1D
Entries 42
Mean −0.01192
Std Dev 0.9118
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

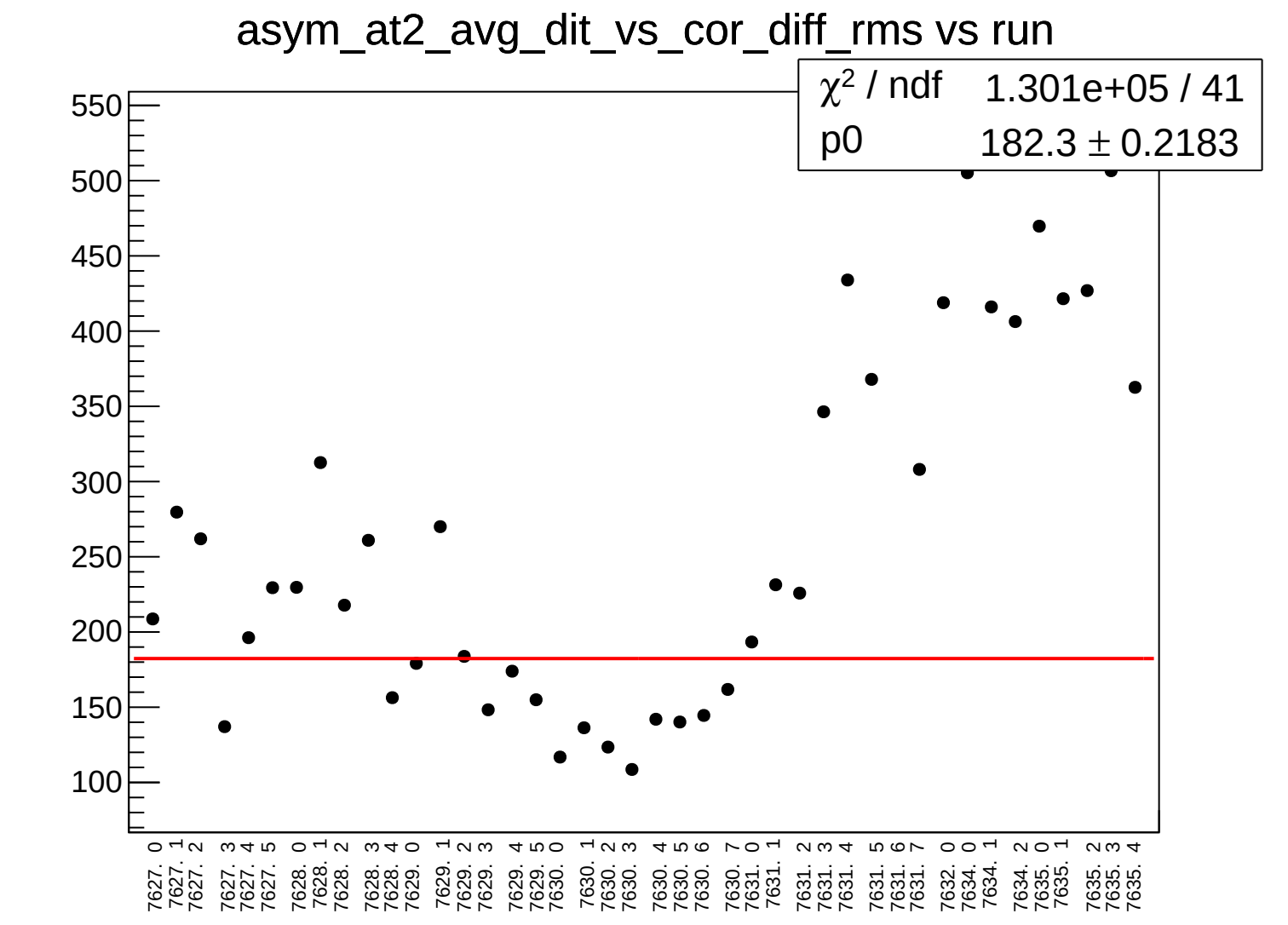

asym_at2_avg_rms vs run
χ² / ndf 7404 / 41
p0 1.448e+04 ± 15.99
17000
16000
15000
14000
13000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

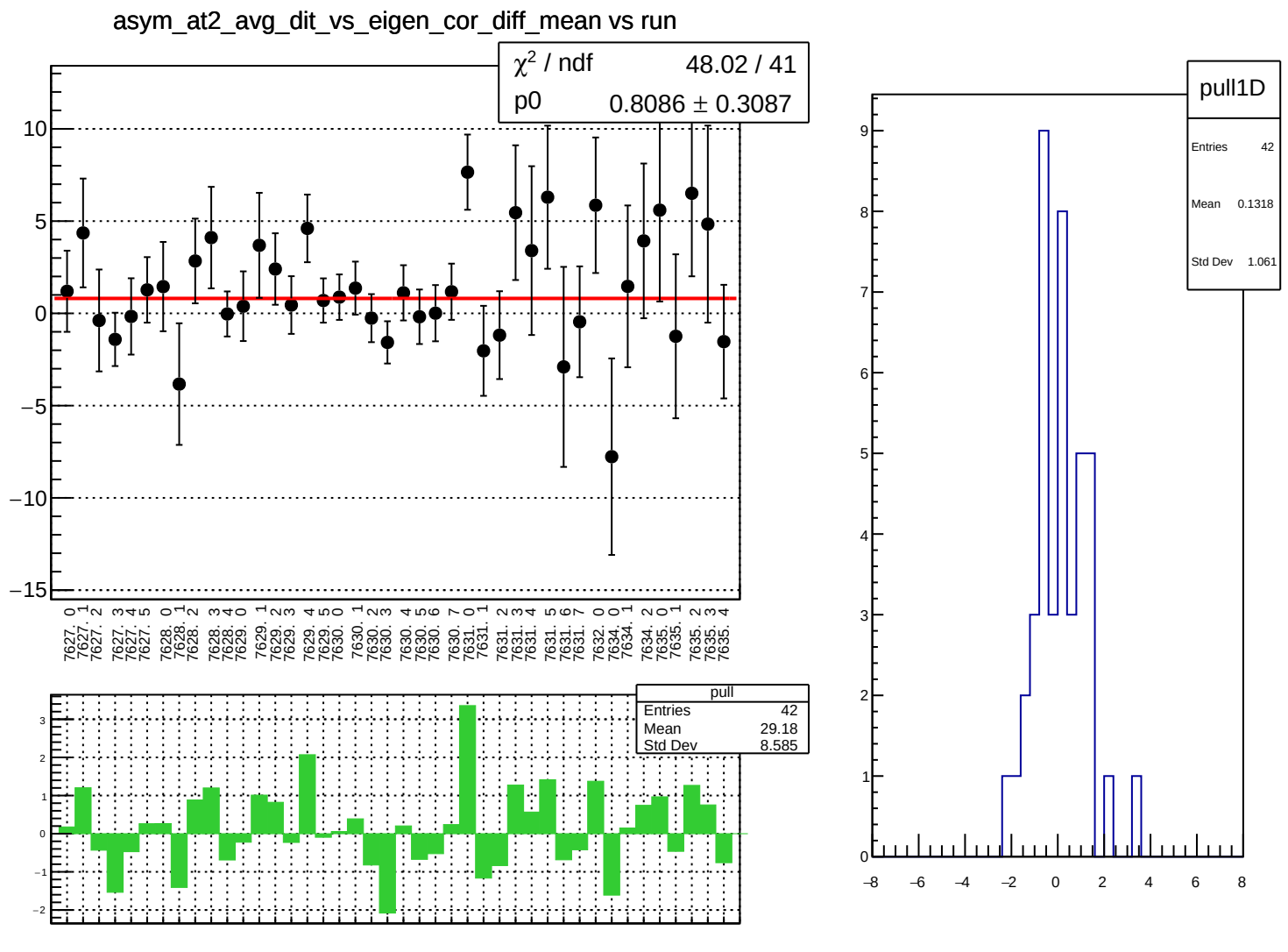

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.76 / 41
p0 4.2e−12 ± 8.364e−12
pull
Entries 42
Mean −30.52
Std Dev 0
pull1D
Entries 42
Mean 0.08886
Std Dev 1.04

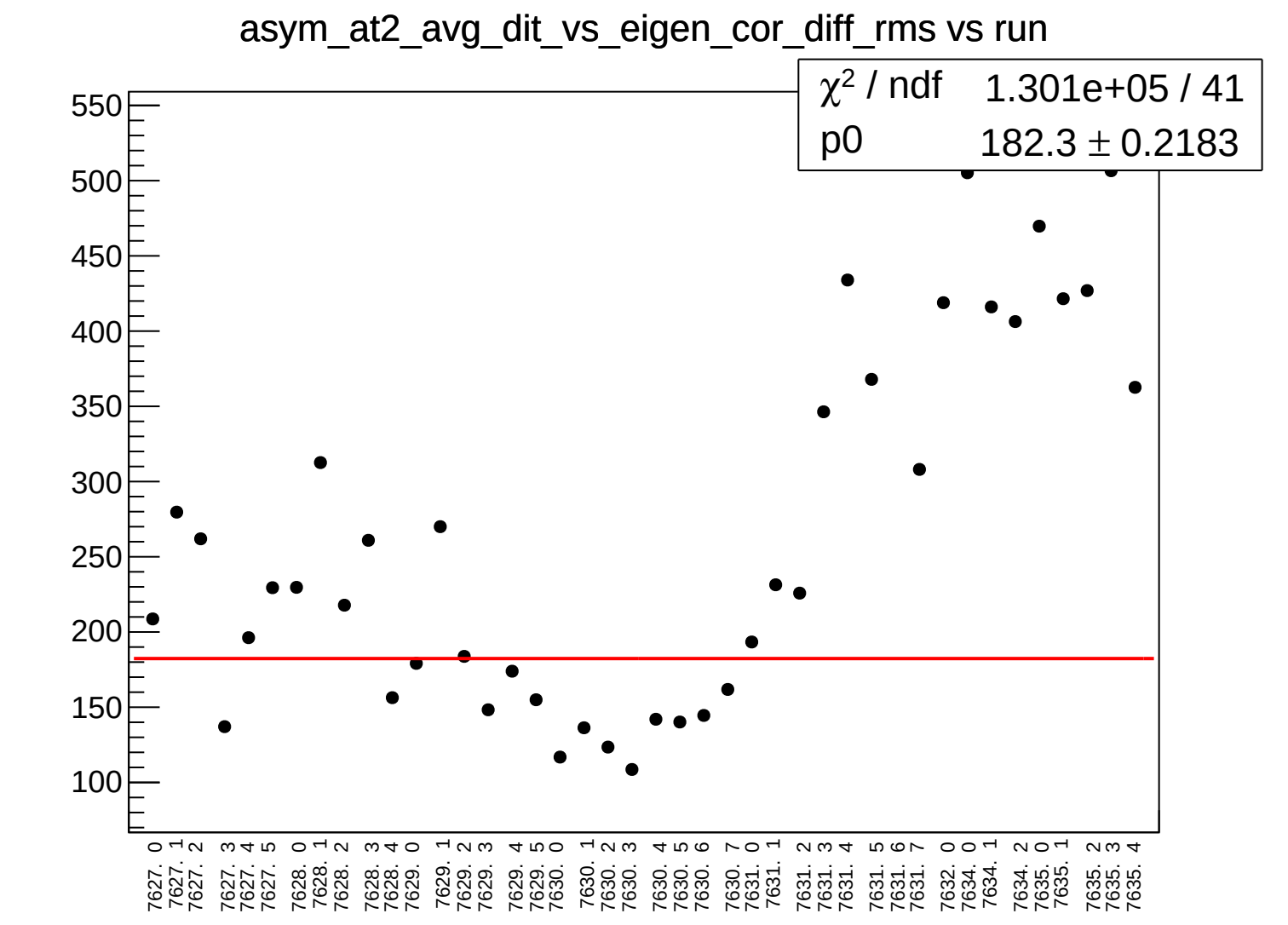

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.206e+05 / 41
p0 4.212e−09 ± 5.914e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

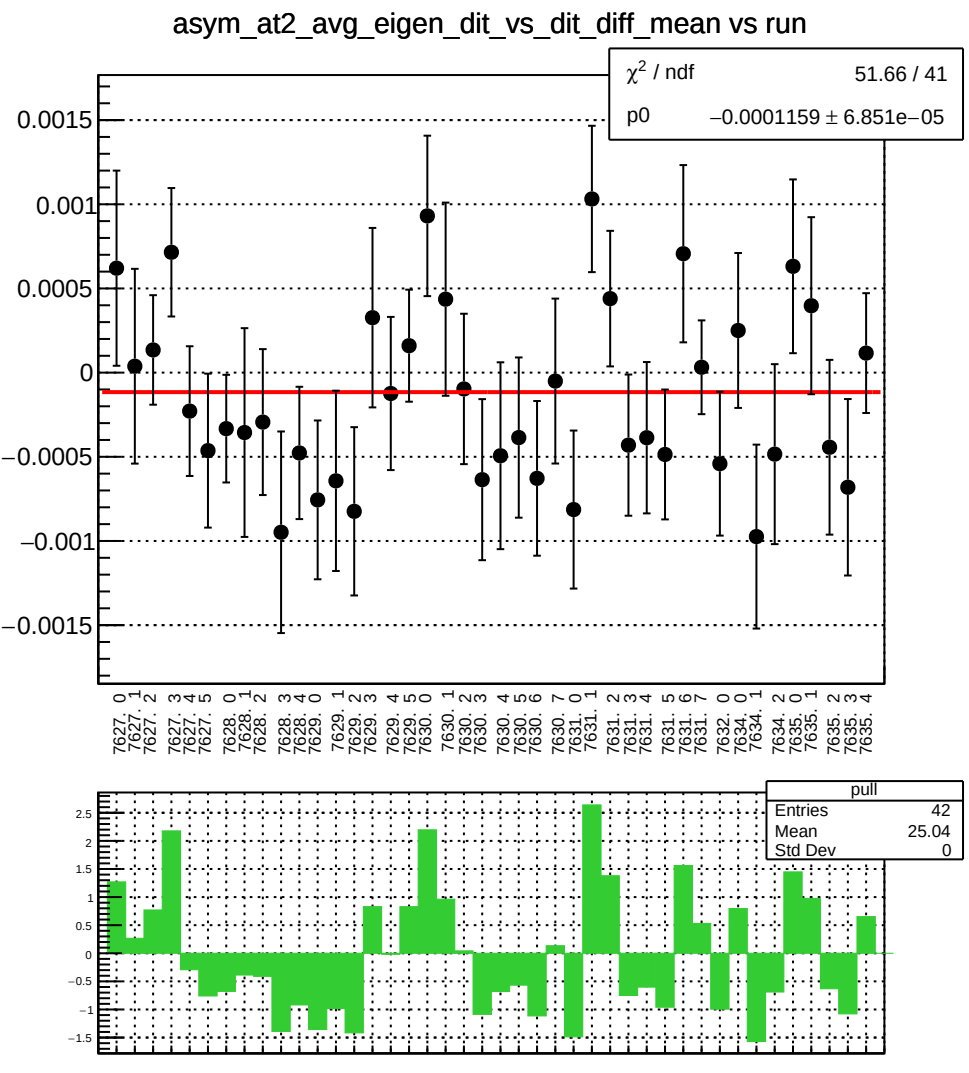

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.02 / 41
p0 0.8086 ± 0.3087
pull
Entries 42
Mean 29.18
Std Dev 8.585

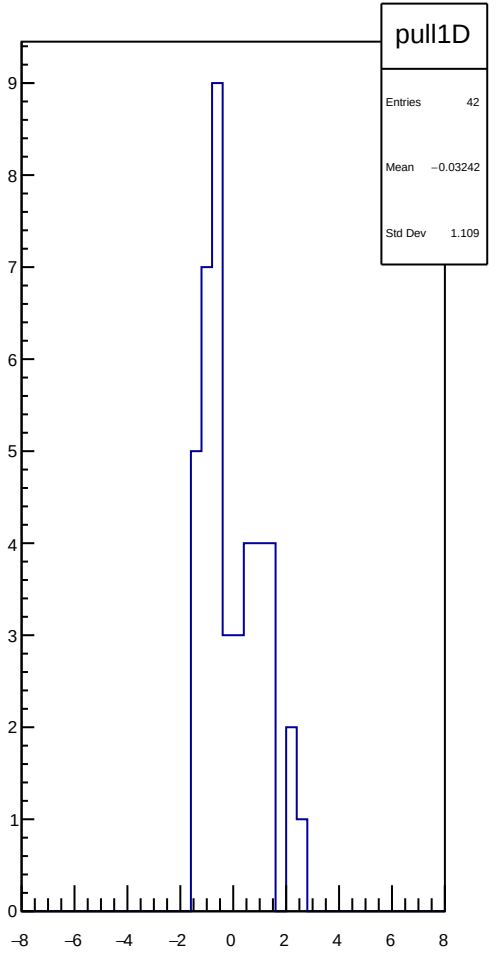

pull1D
Entries 42
Mean 0.1318
Std Dev 1.061

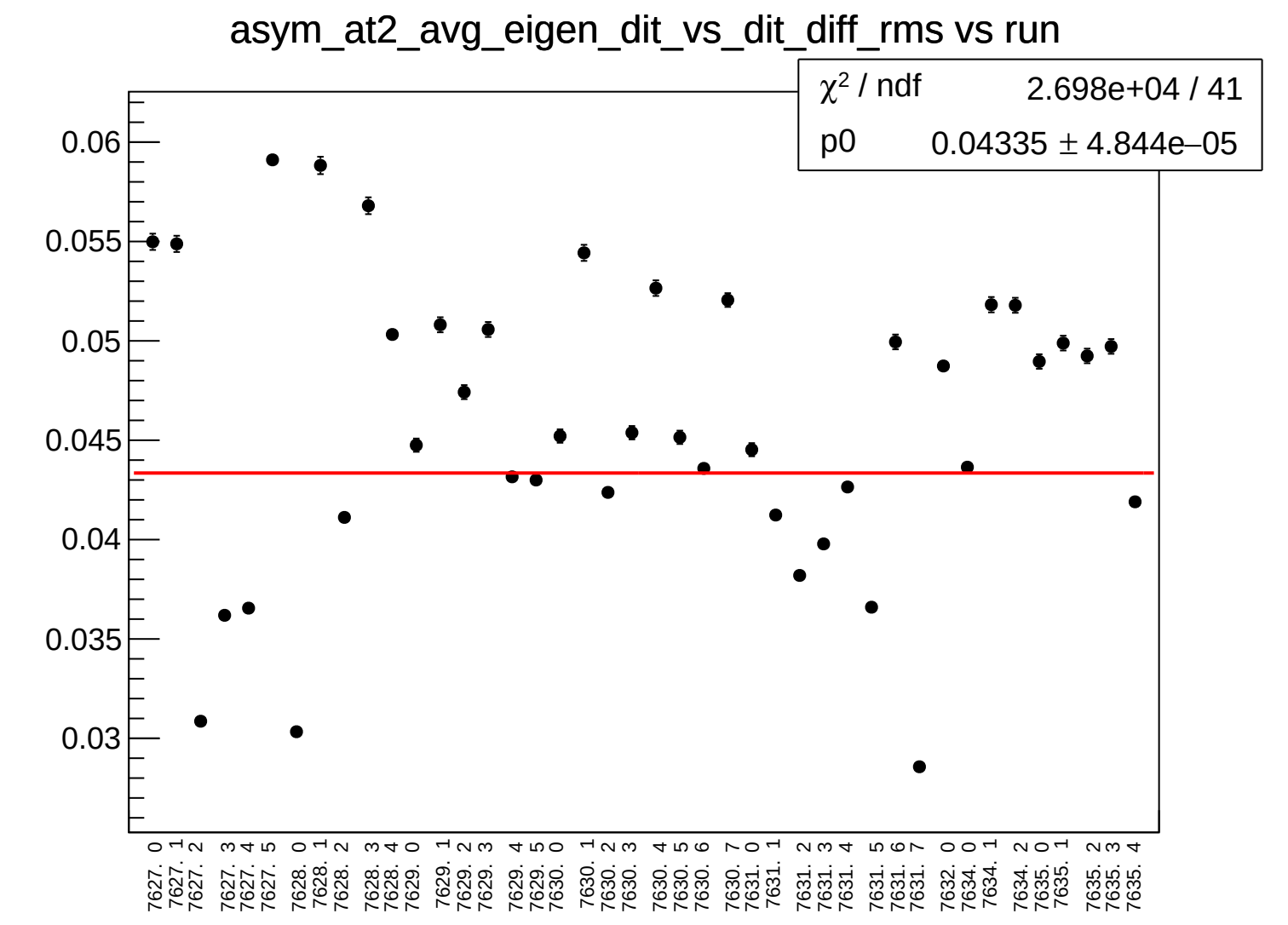

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.301e+05 / 41
p0 182.3 ± 0.2183
550
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

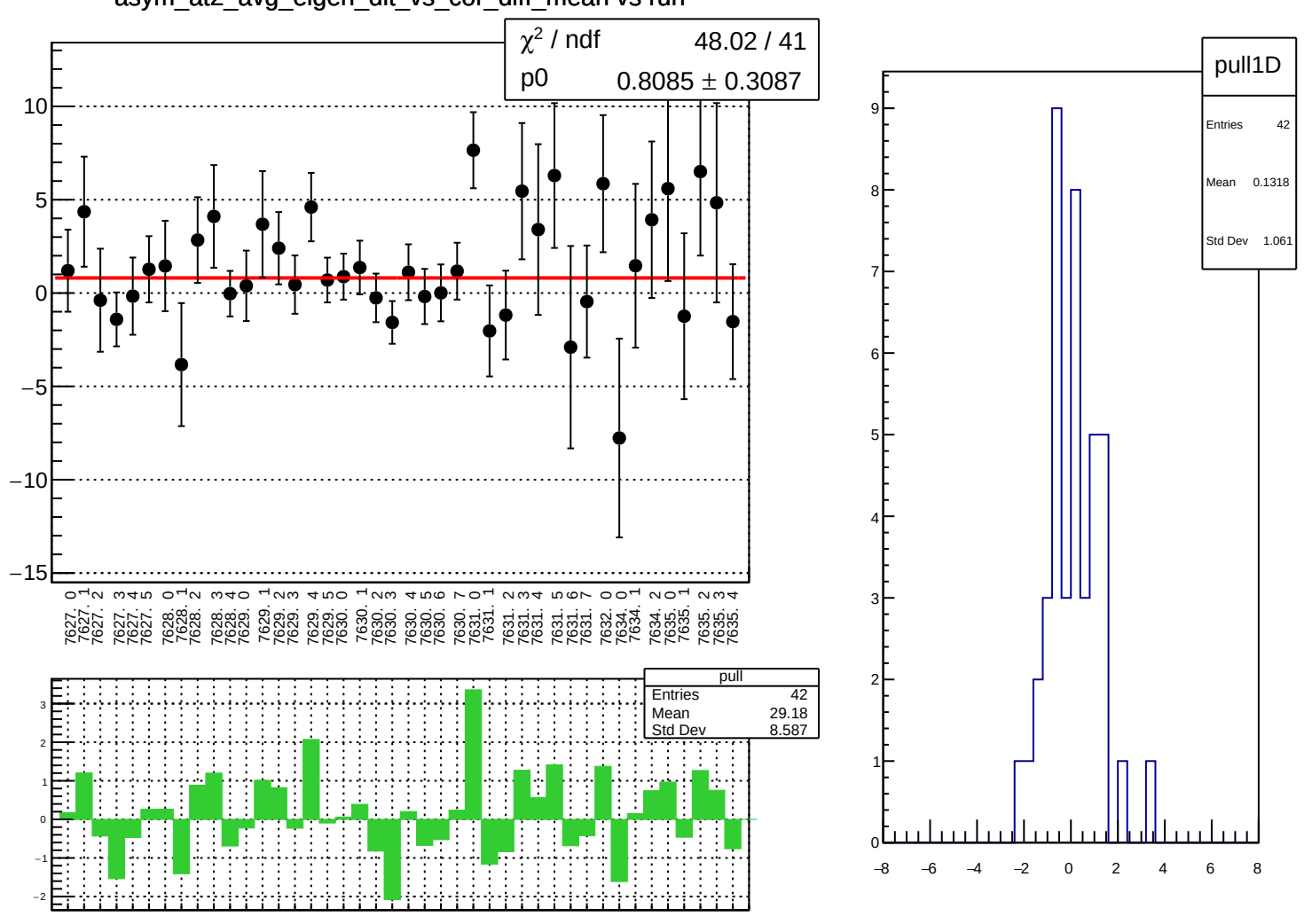

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.02 / 41
p0 0.8086 ± 0.3087
pull
Entries 42
Mean 29.18
Std Dev 8.585
pull1D
Entries 42
Mean 0.1318
Std Dev 1.061

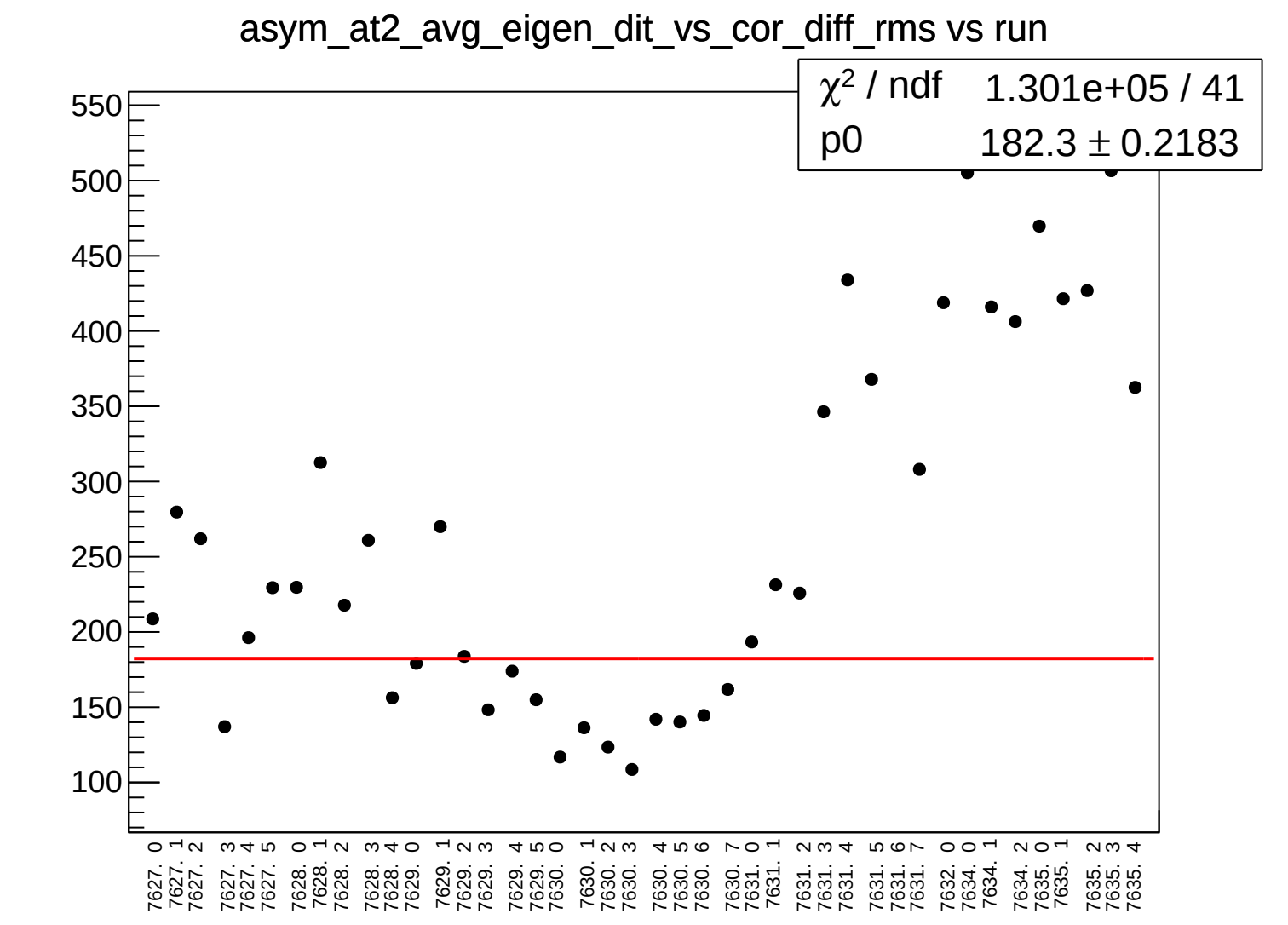

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.301e+05 / 41
p0 182.3 ± 0.2183
550
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

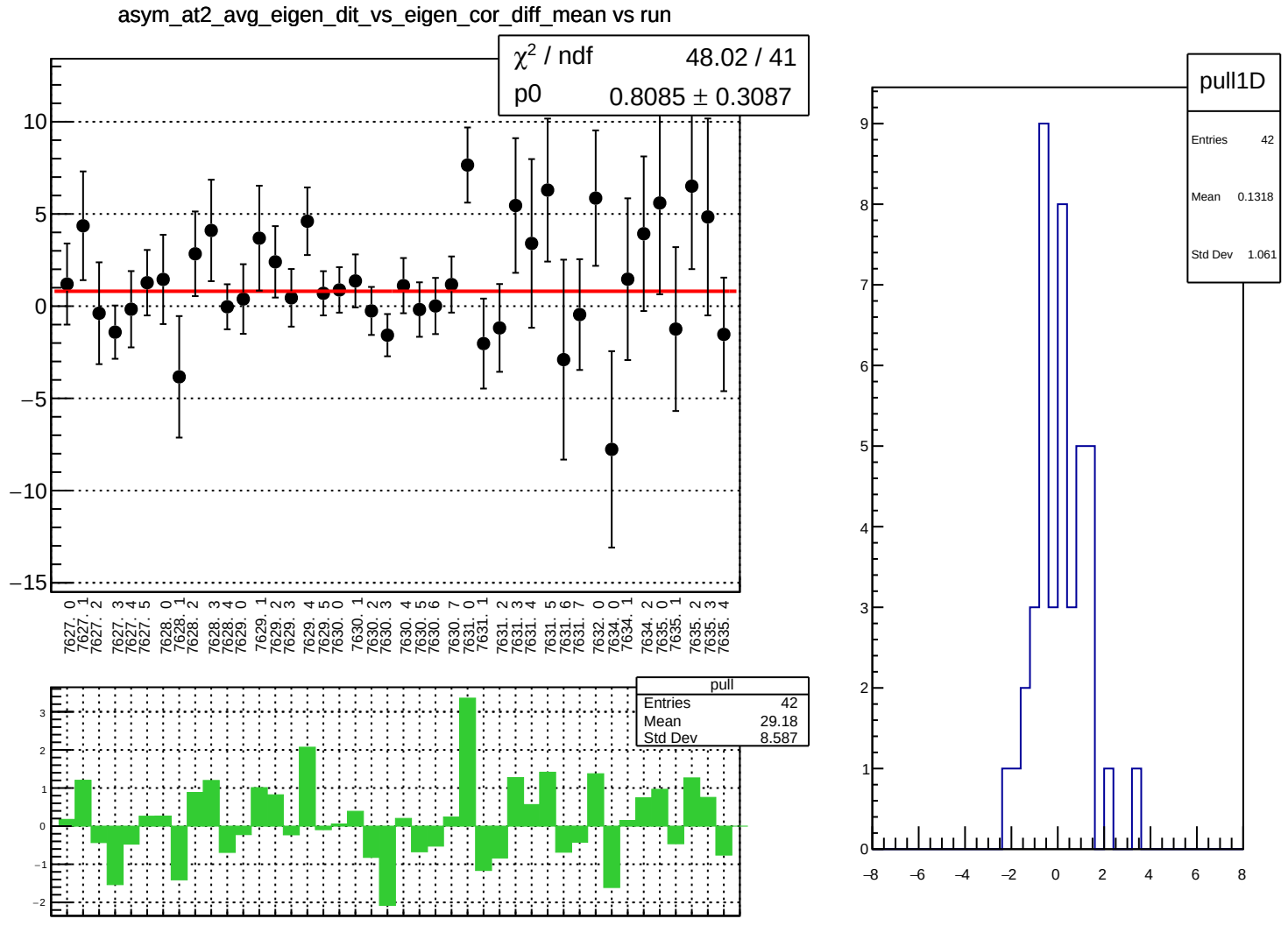

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 51.66 / 41
p0 −0.0001159 ± 6.851e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

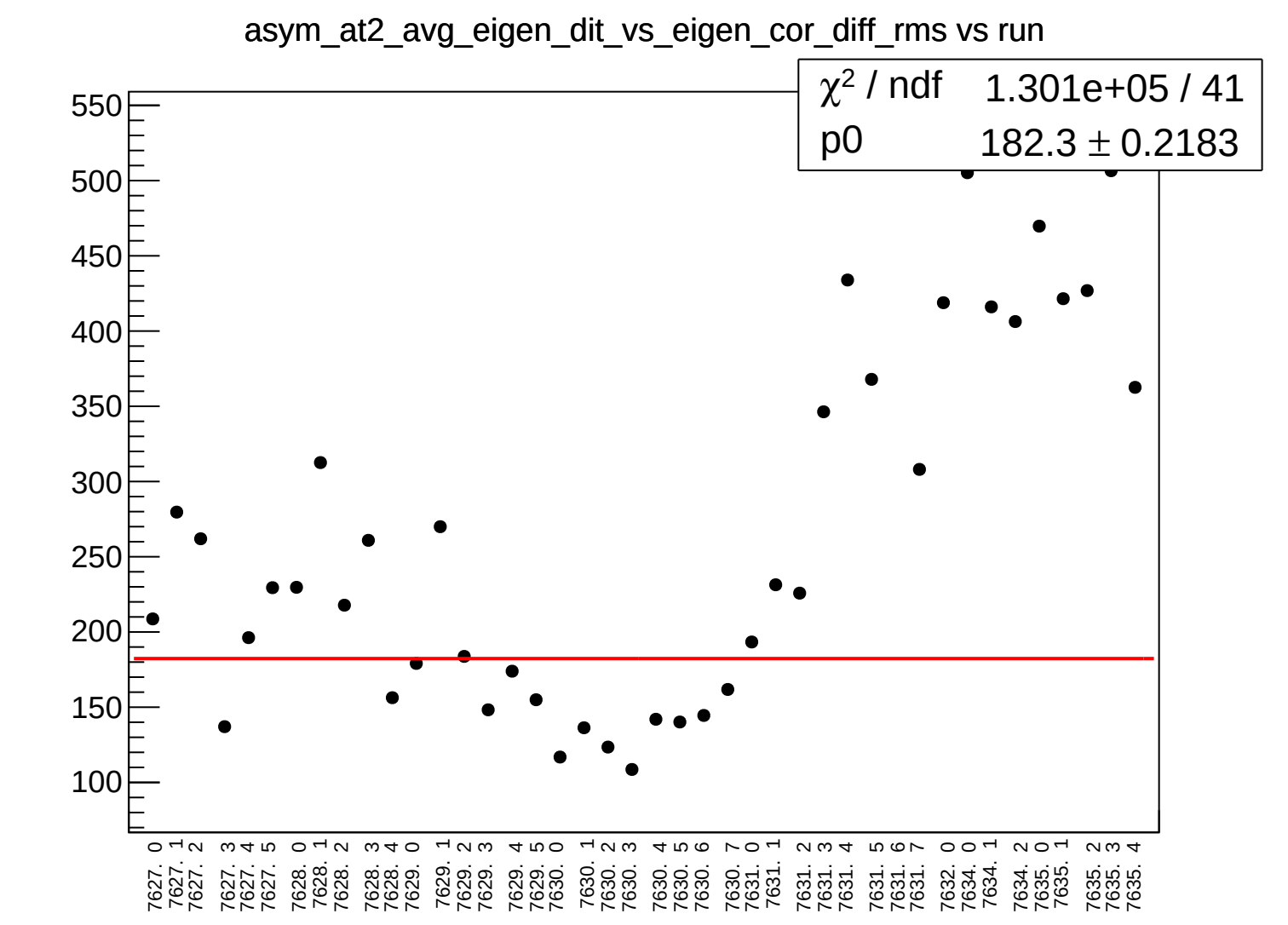

pull1D
Entries 42
Mean −0.03242
Std Dev 1.109
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

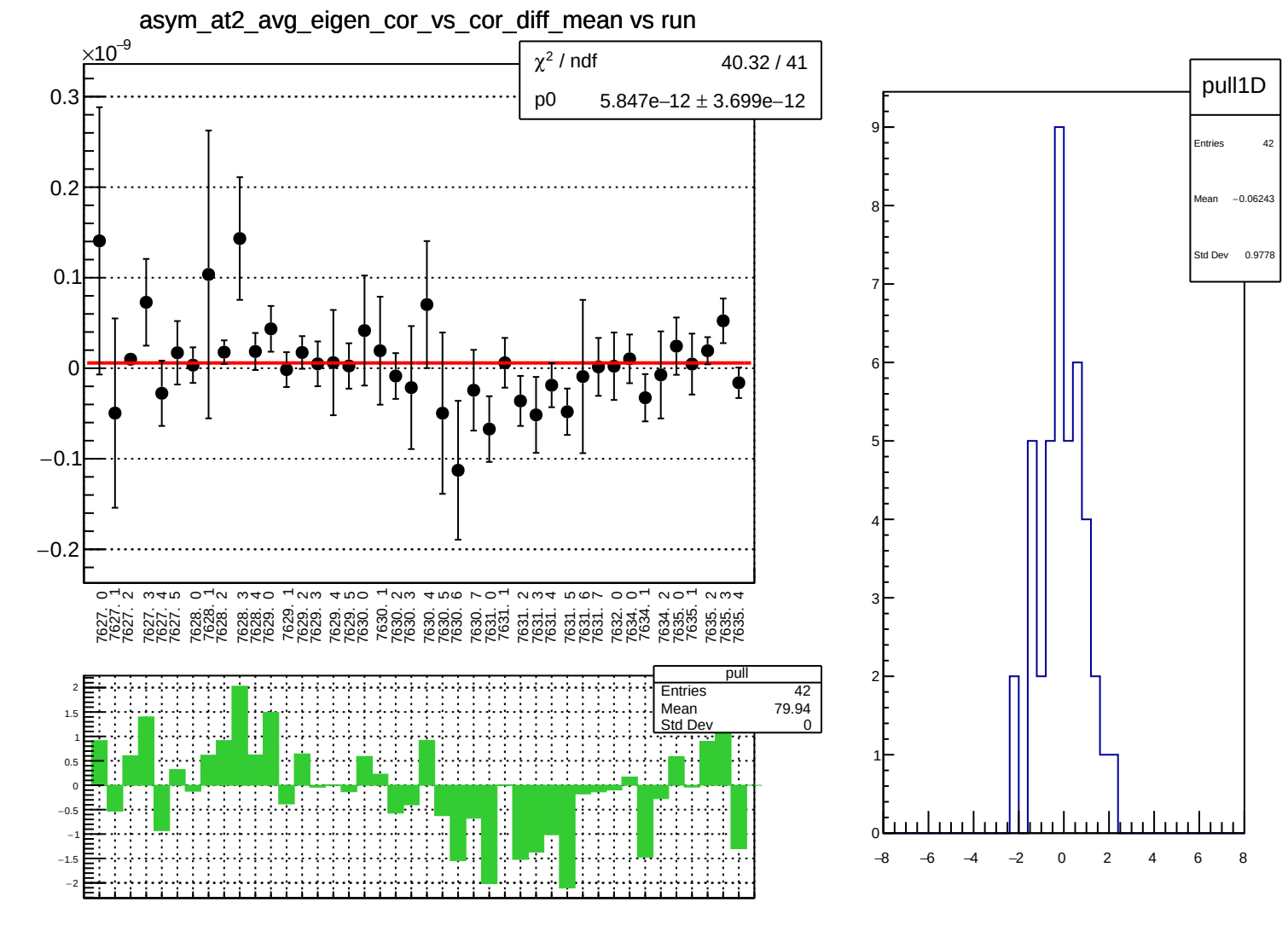

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.698e+04 / 41
p0 0.04335 ± 4.844e–05
0.06
0.055
0.05
0.045
0.04
0.035
0.03
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

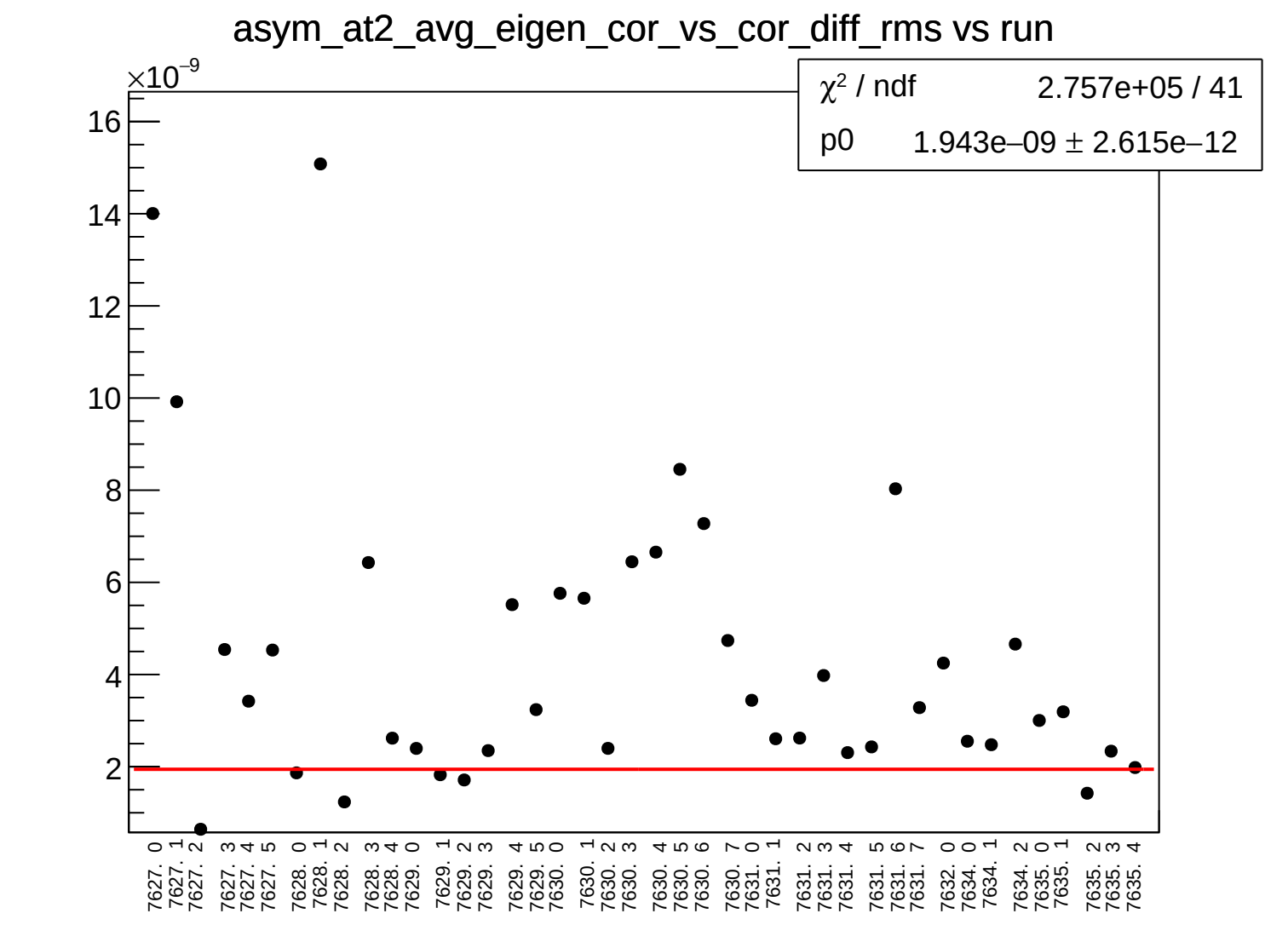

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.02 / 41
p0 0.8085 ± 0.3087
pull
Entries 42
Mean 29.18
Std Dev 8.587
pull1D
Entries 42
Mean 0.1318
Std Dev 1.061

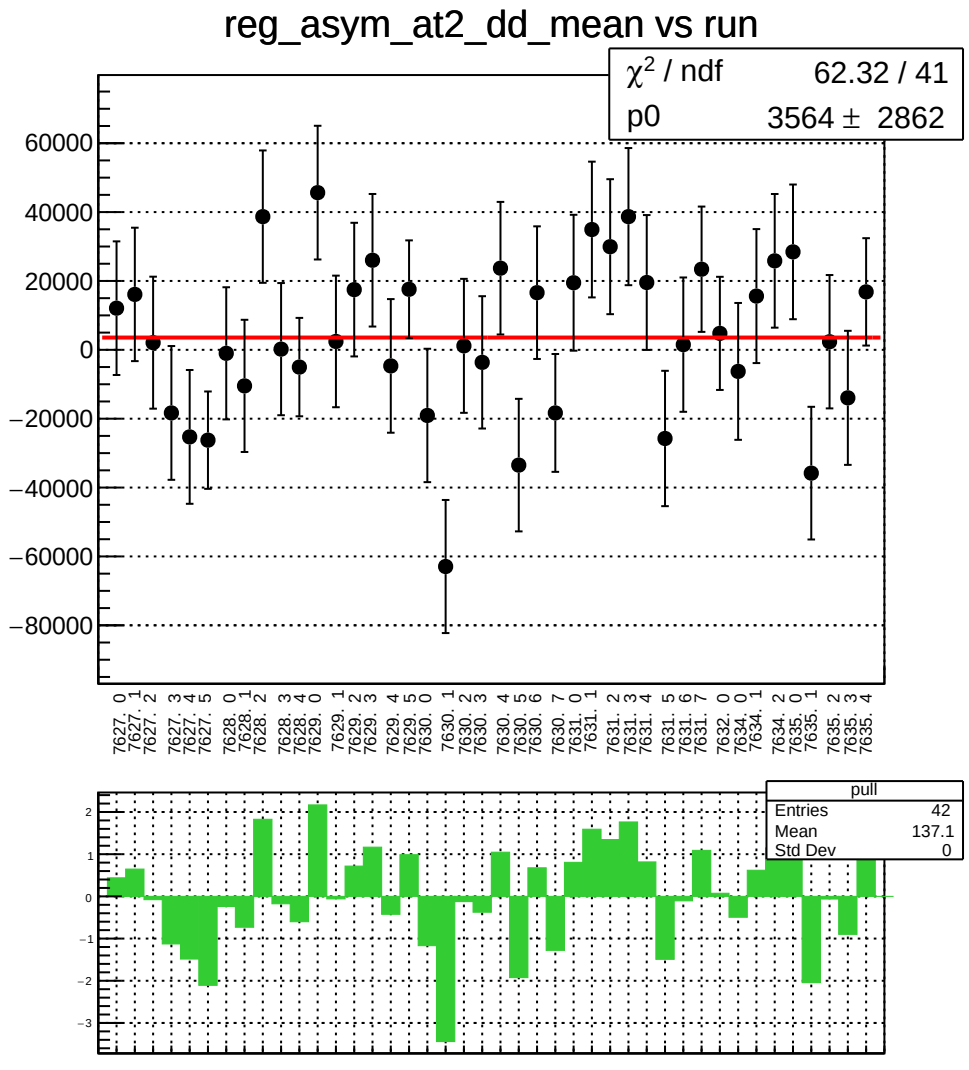

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.301e+05 / 41
p0 182.3 ± 0.2183
550
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

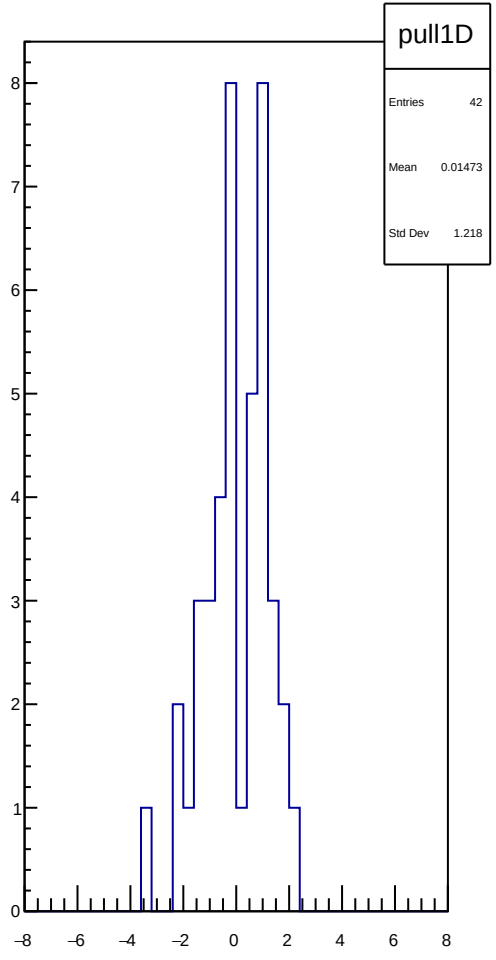

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.02 / 41
p0 0.8085 ± 0.3087
pull
Entries 42
Mean 29.18
Std Dev 8.587
pull1D
Entries 42
Mean 0.1318
Std Dev 1.061

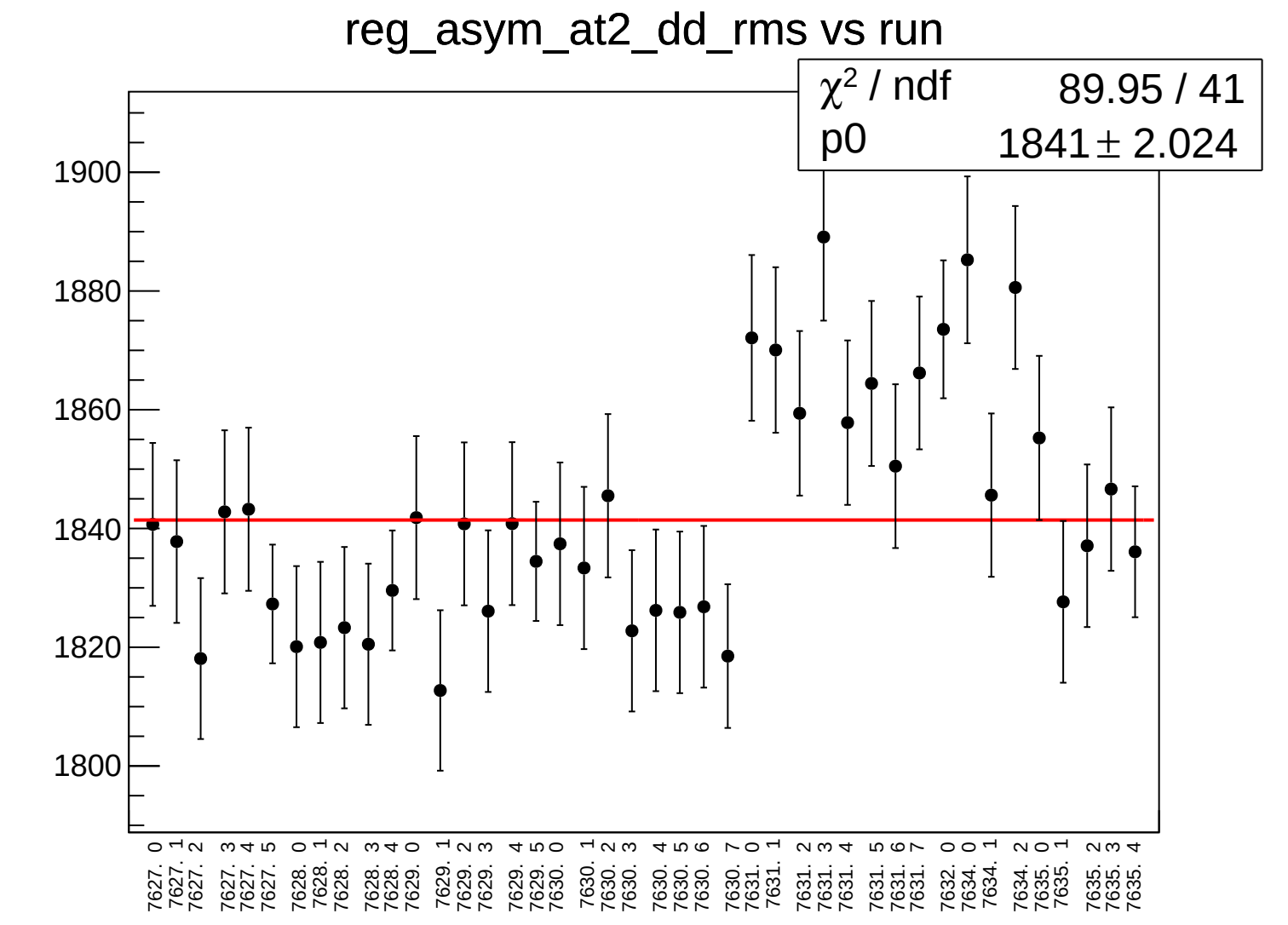

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.301e+05 / 41
p0 182.3 ± 0.2183
550
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

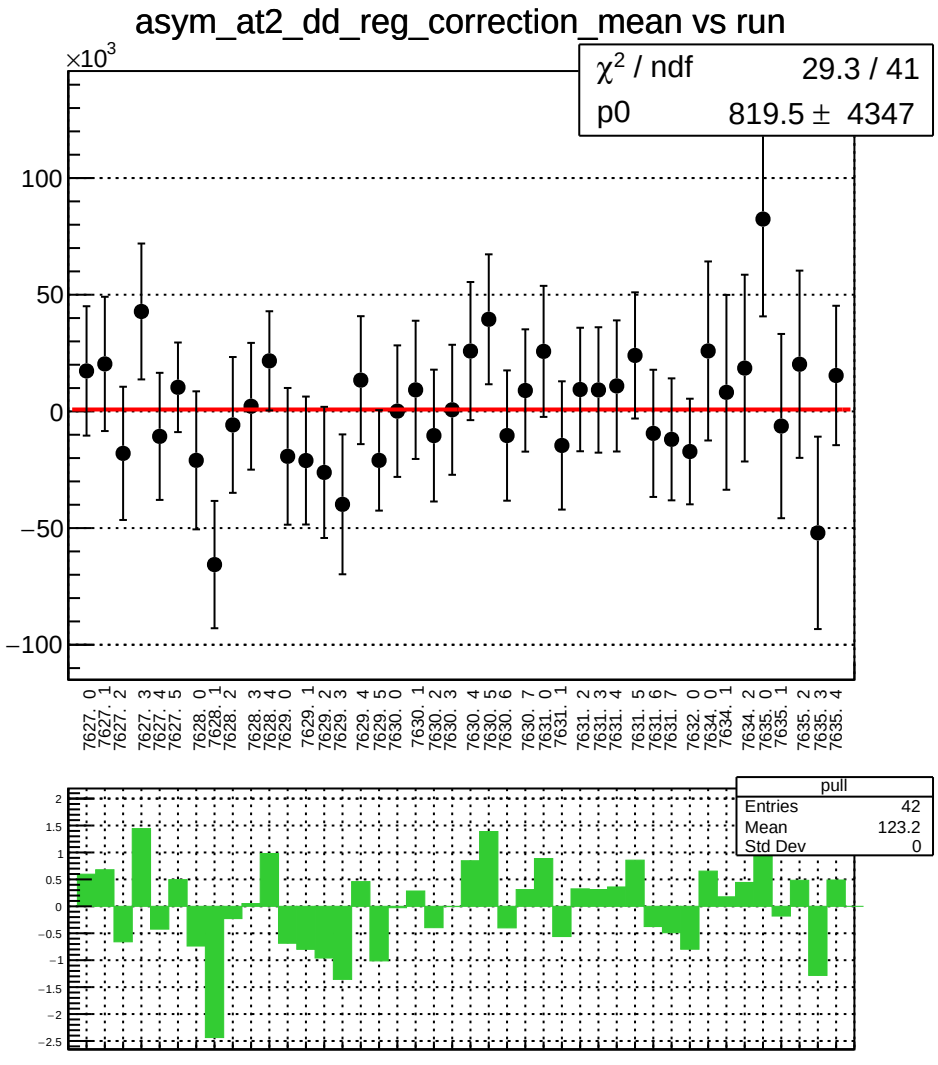

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 40.32 / 41
p0 5.847e−12 ± 3.699e−12
0.3
0.2
0.1
0
−0.1
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 79.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.06243
Std Dev 0.9778
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

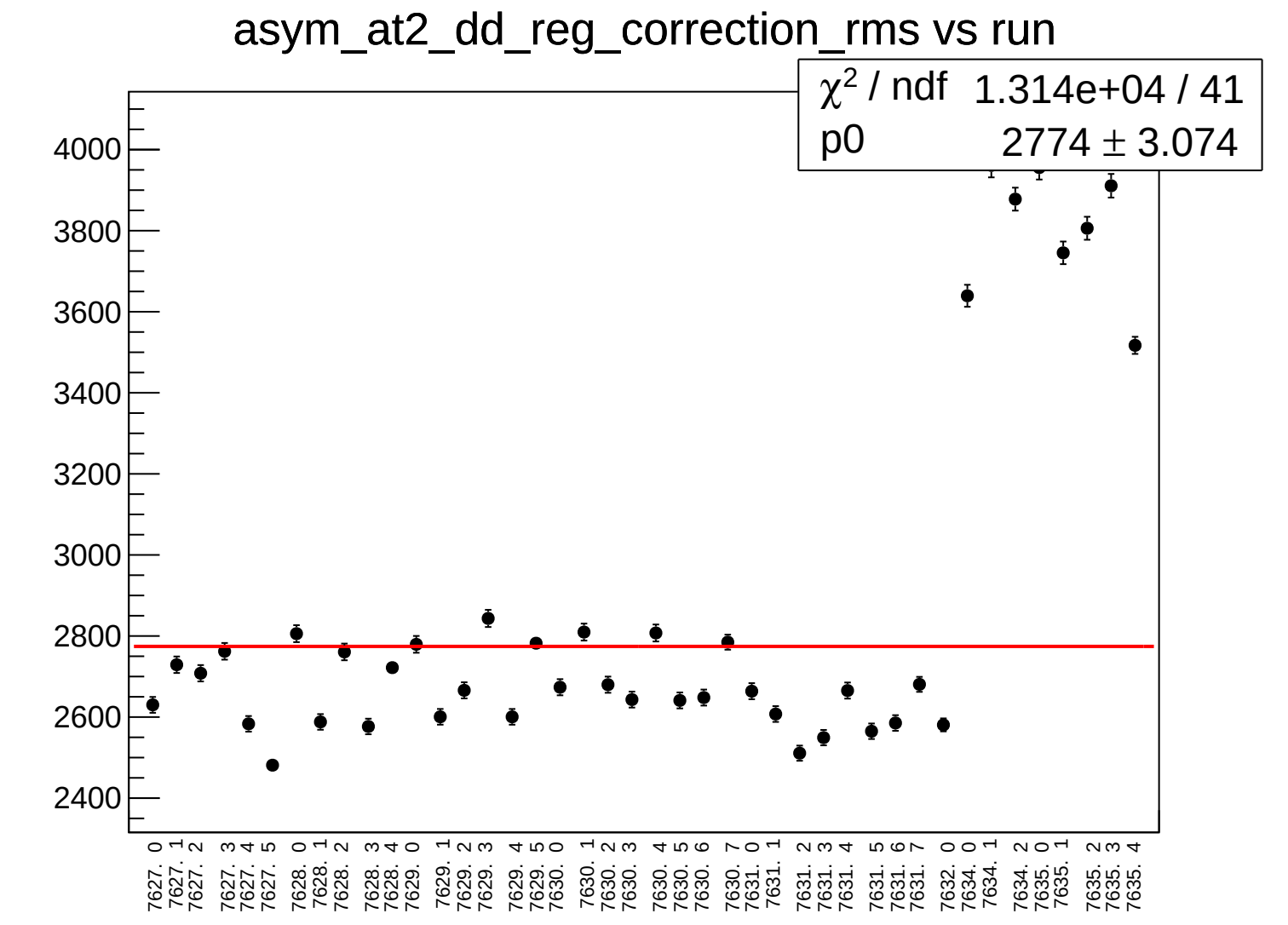

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.757e+05 / 41
p0 1.943e−09 ± 2.615e−12
16
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

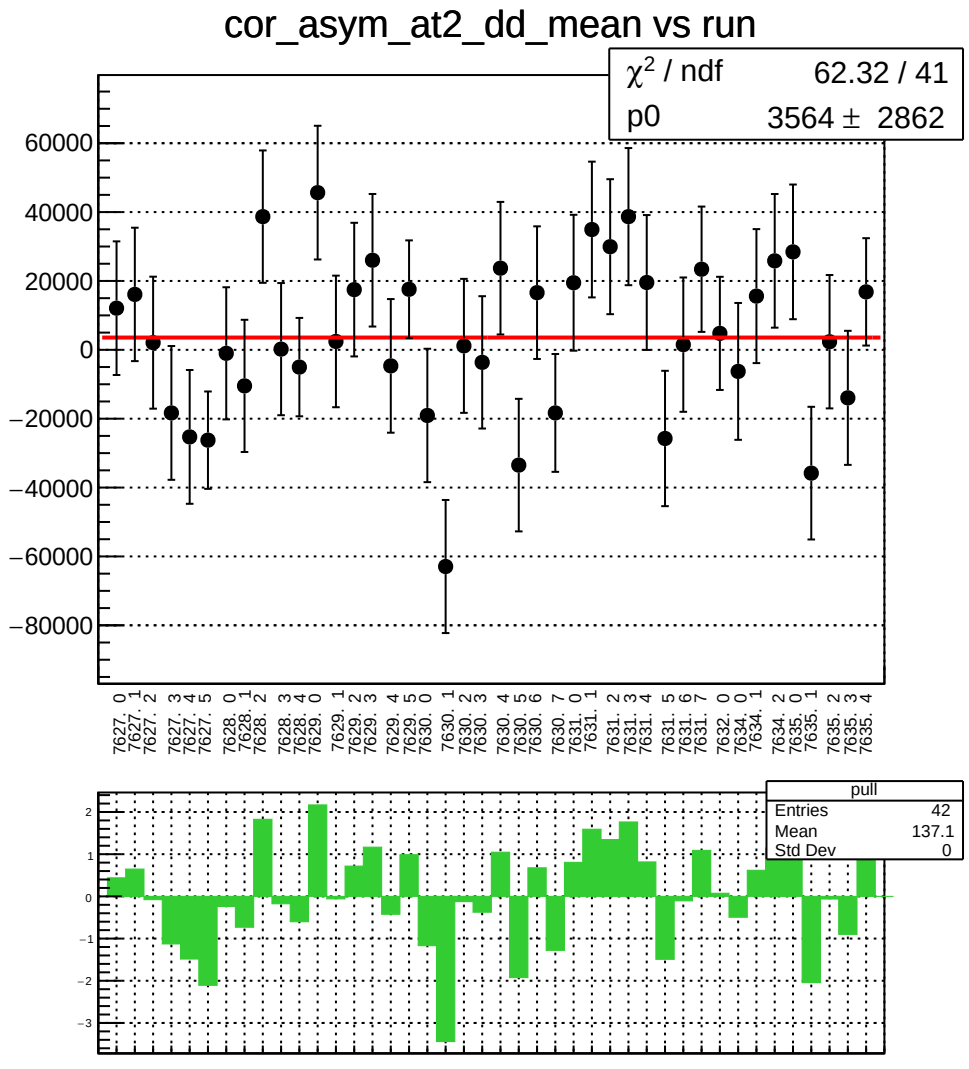

reg_asym_at2_dd_mean vs run
χ² / ndf 62.32 / 41
p0 3564 ± 2862
pull
Entries 42
Mean 137.1
Std Dev 0

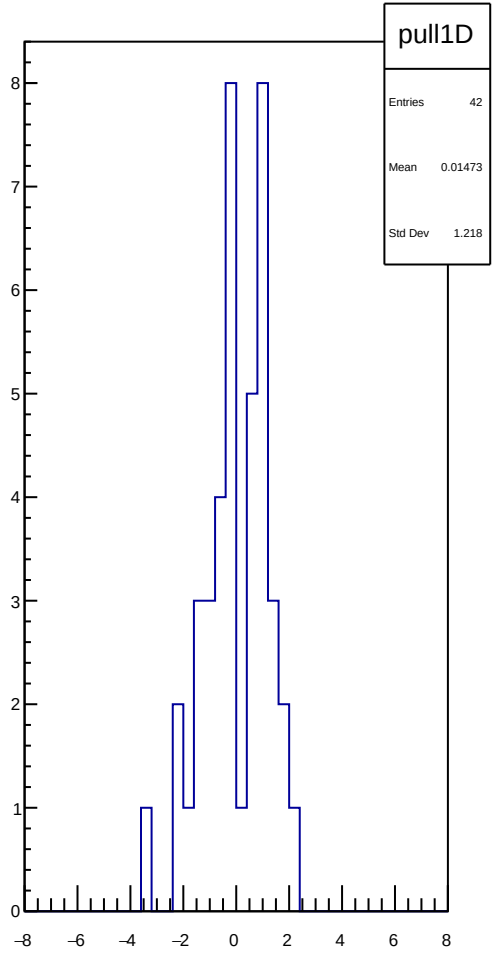

pull1D
Entries 42
Mean 0.01473
Std Dev 1.218

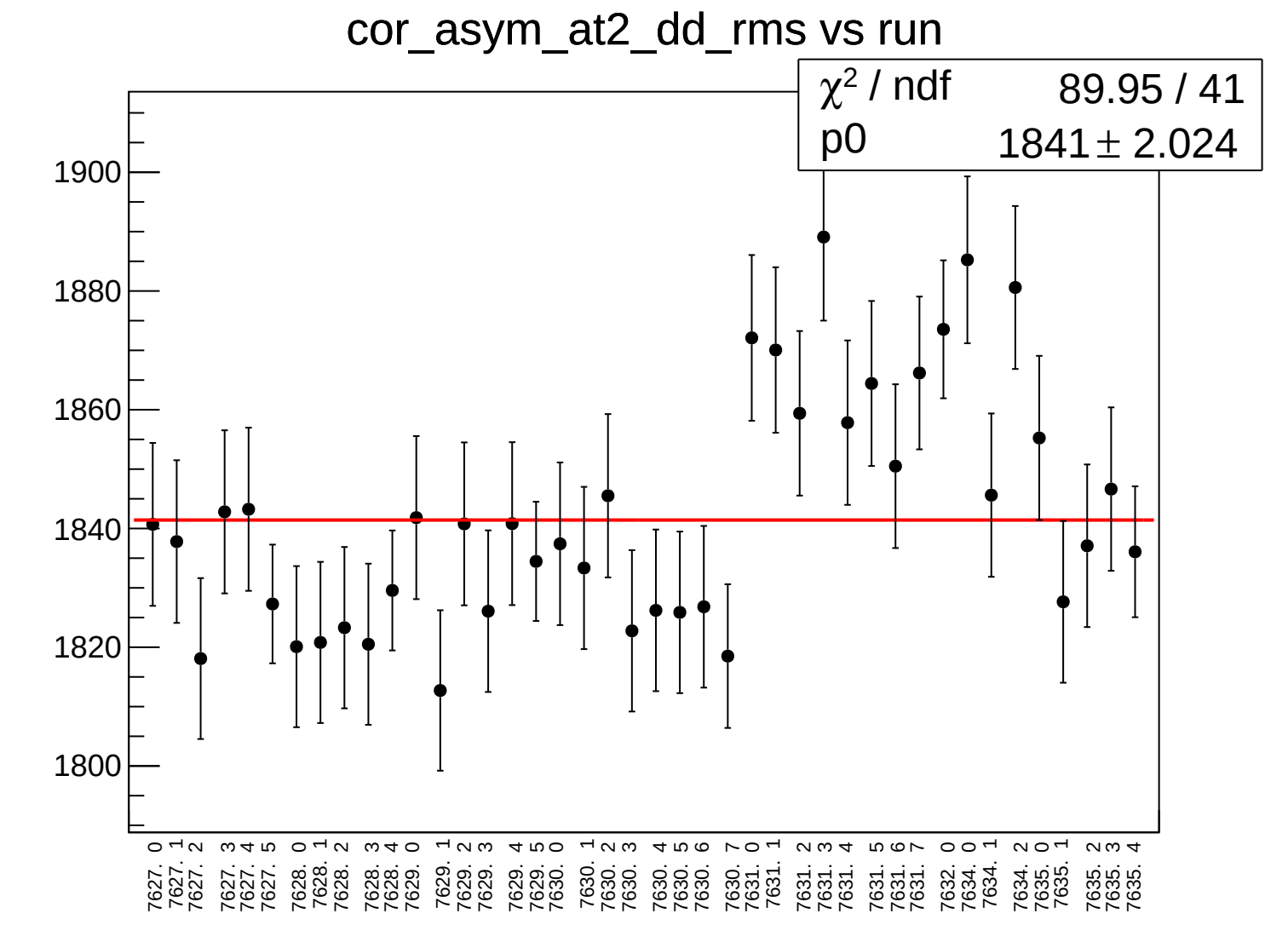

reg_asym_at2_dd_rms vs run
χ² / ndf 89.95 / 41
p0 1841 ± 2.024
1900
1880
1860
1840
1820
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

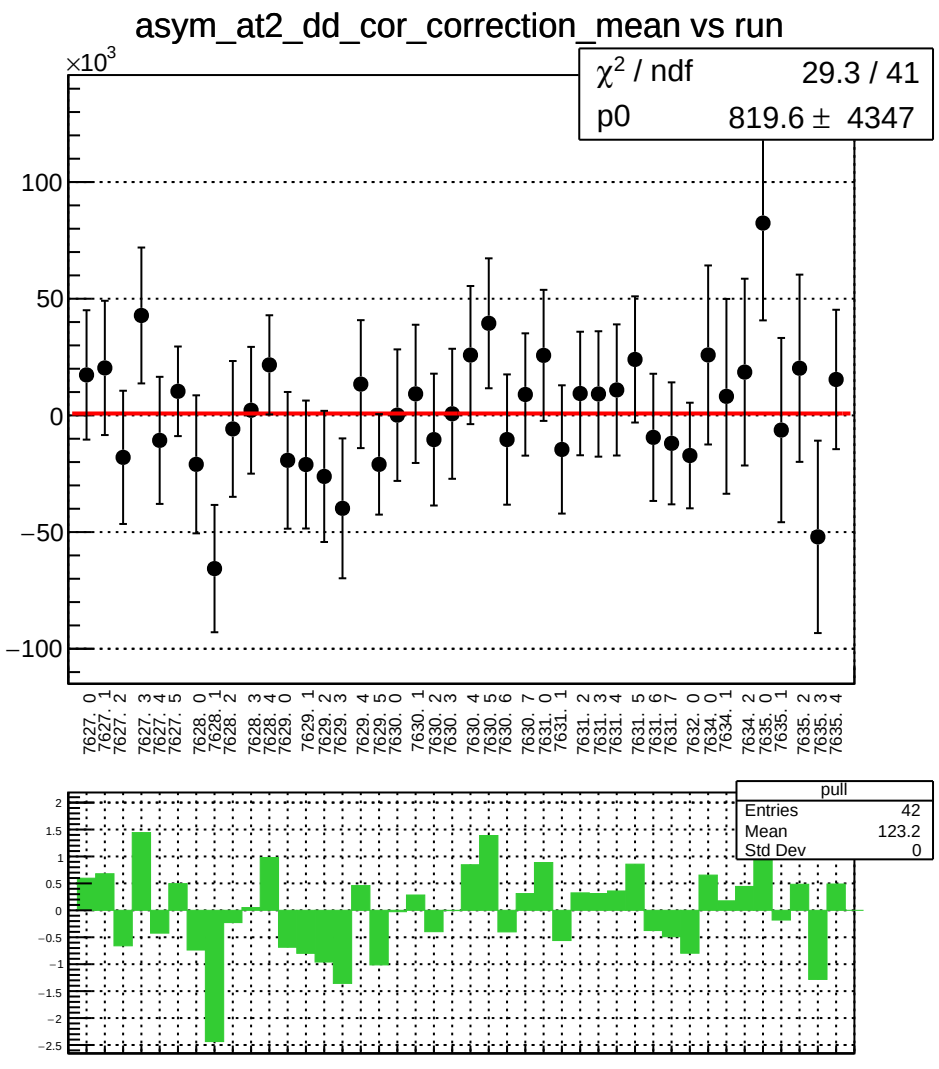

asym_at2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 29.3 / 41
p0 819.5 ± 4347
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 123.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.01597
Std Dev 0.8351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

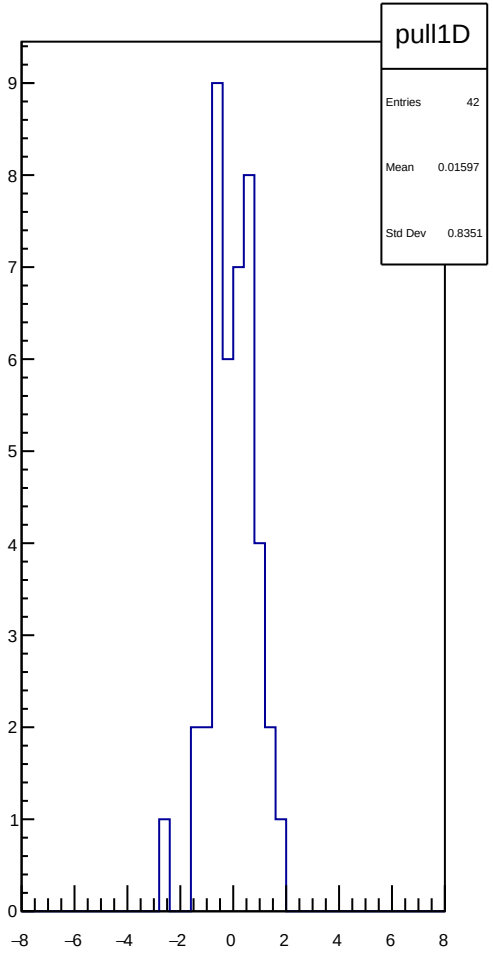

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2774 ± 3.074
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

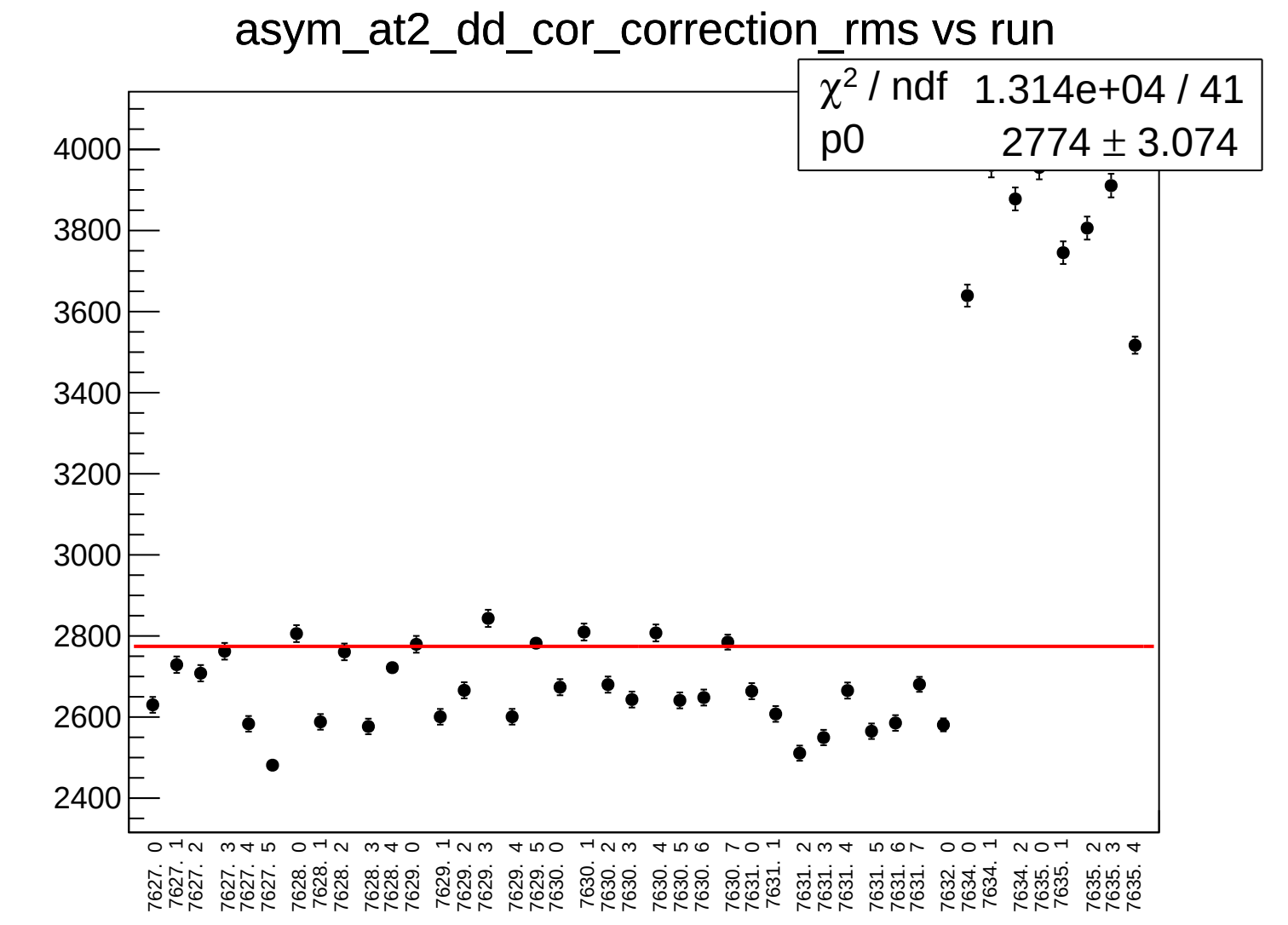

cor_asym_at2_dd_mean vs run
χ² / ndf 62.32 / 41
p0 3564 ± 2862
pull
Entries 42
Mean 137.1
Std Dev 0

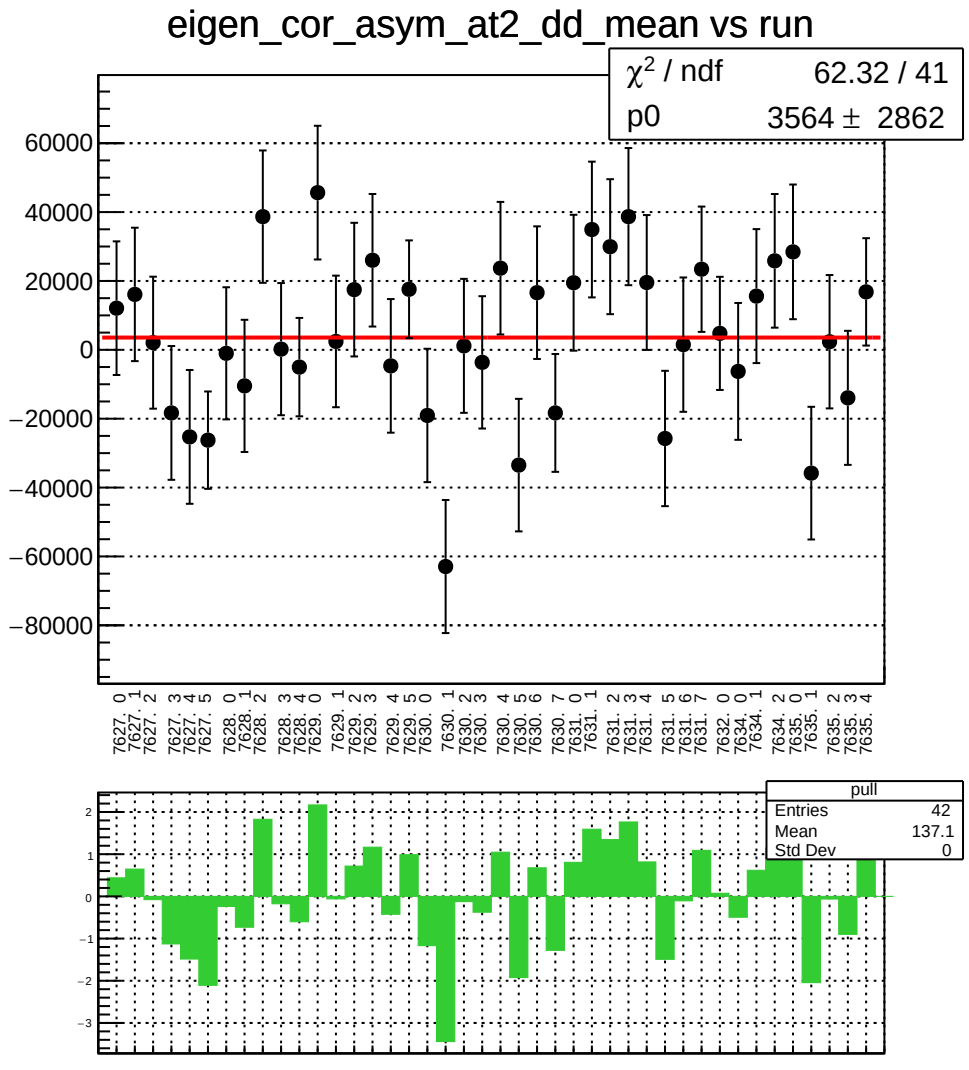

pull1D
Entries 42
Mean 0.01473
Std Dev 1.218

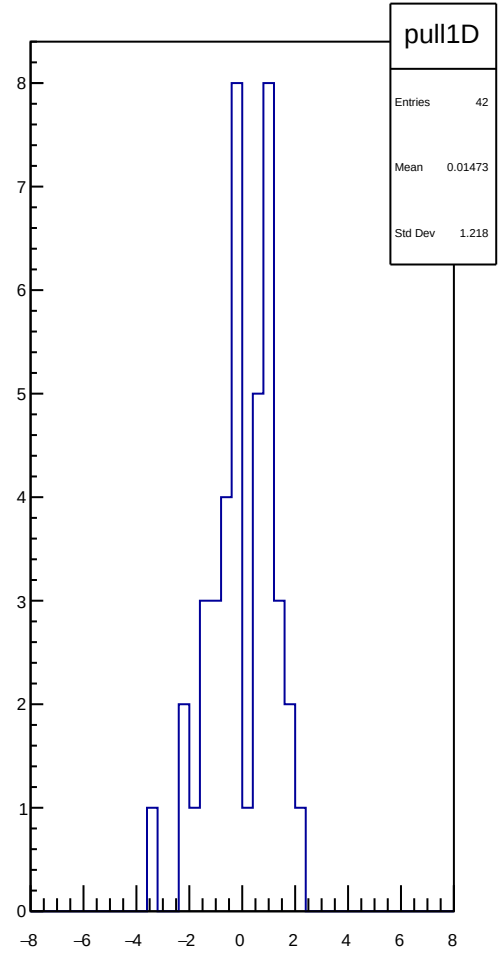

cor_asym_at2_dd_rms vs run
χ² / ndf 89.95 / 41
p0 1841 ± 2.024
1900
1880
1860
1840
1820
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 29.3 / 41
p0 819.6 ± 4347
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 123.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.01597
Std Dev 0.8351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_cor_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2774 ± 3.074
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 62.32 / 41
p0 3564 ± 2862
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 137.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean 0.01473
Std Dev 1.218
8
7
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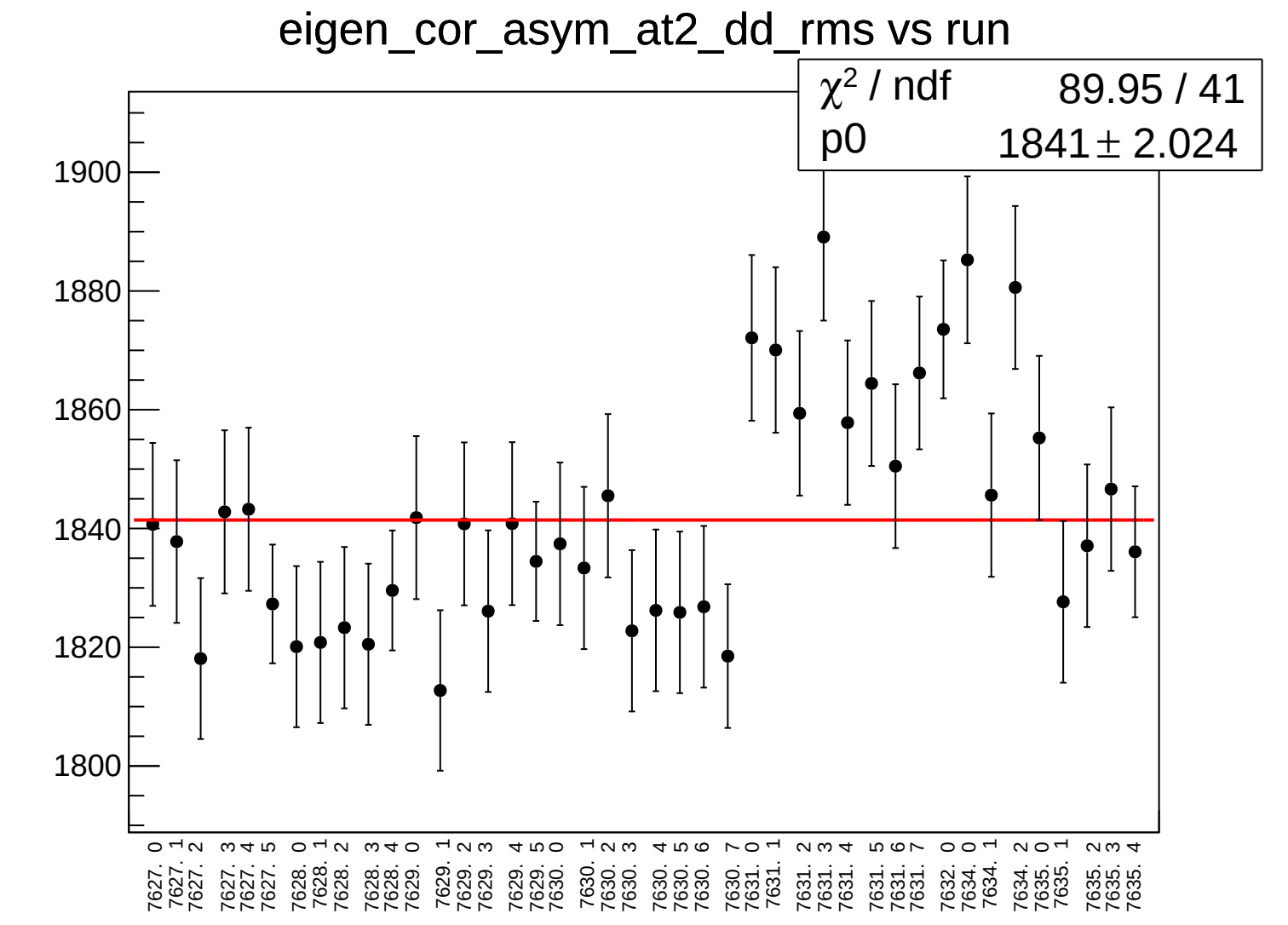
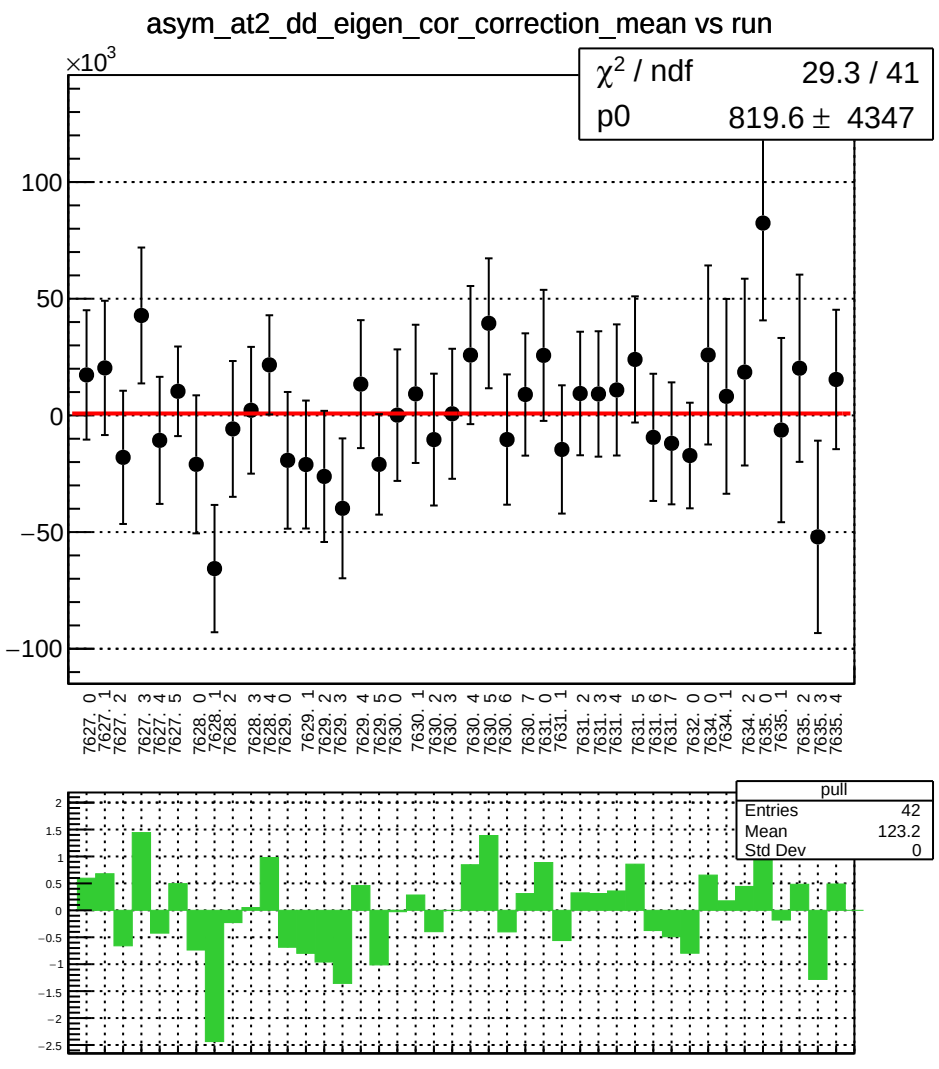
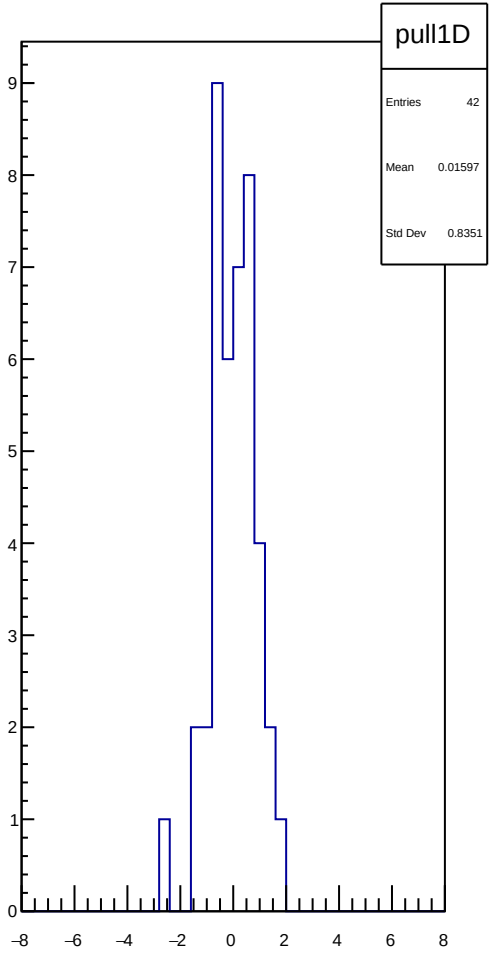
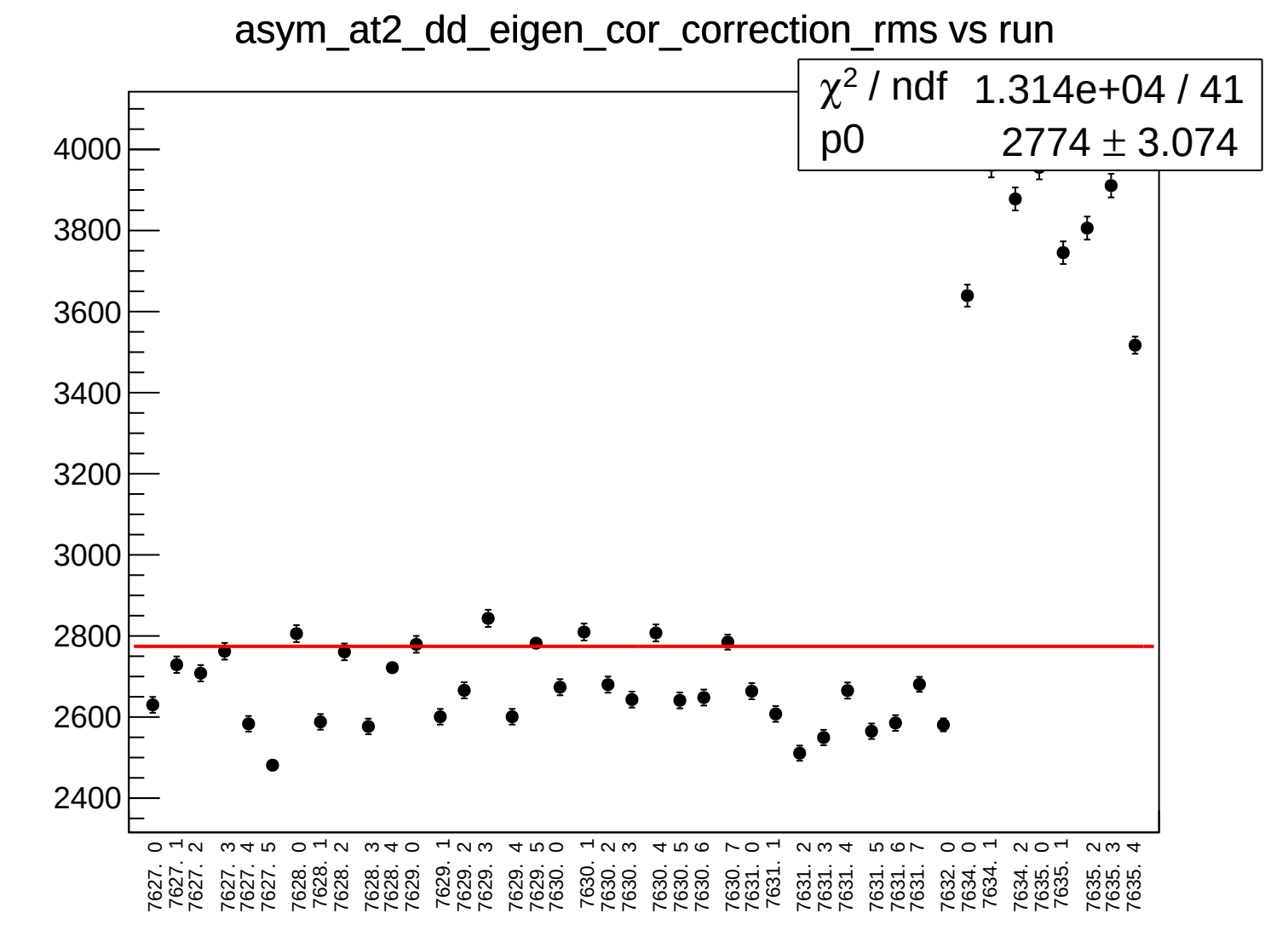
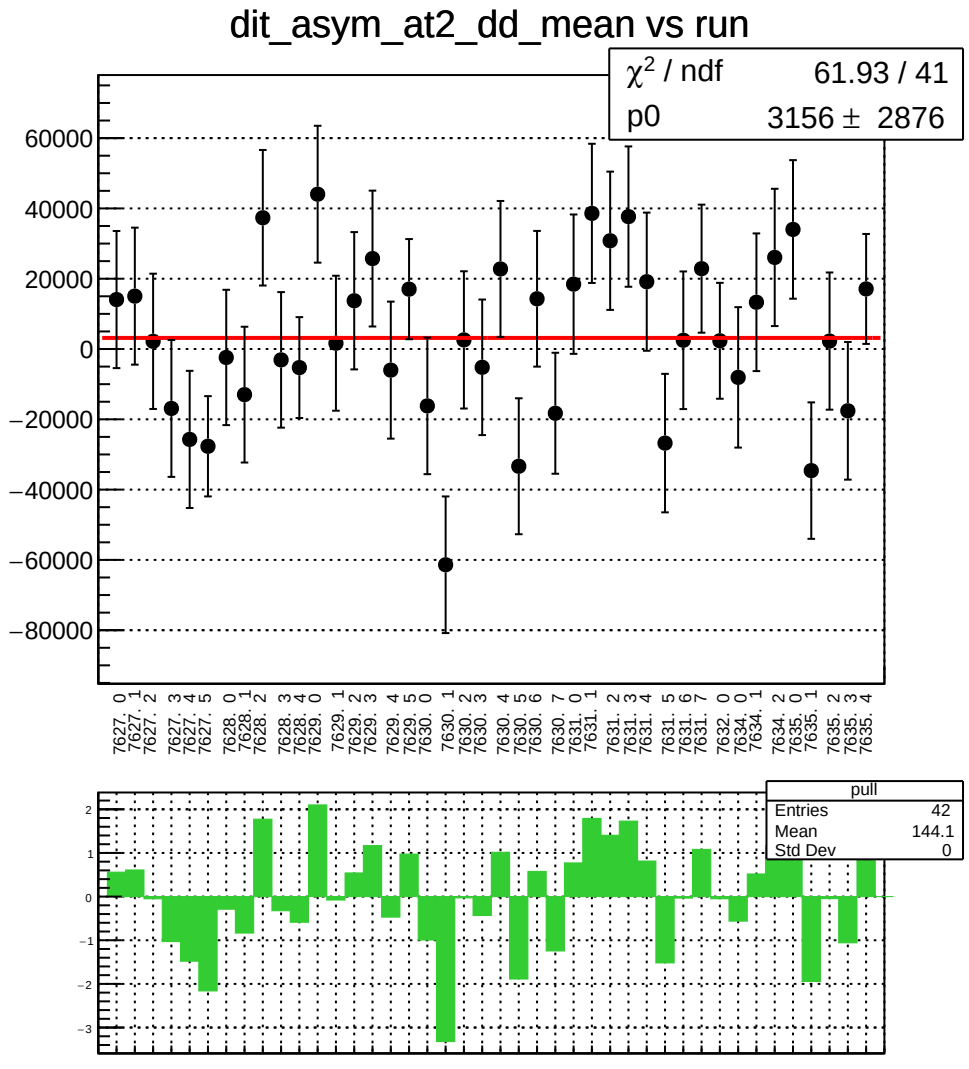
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

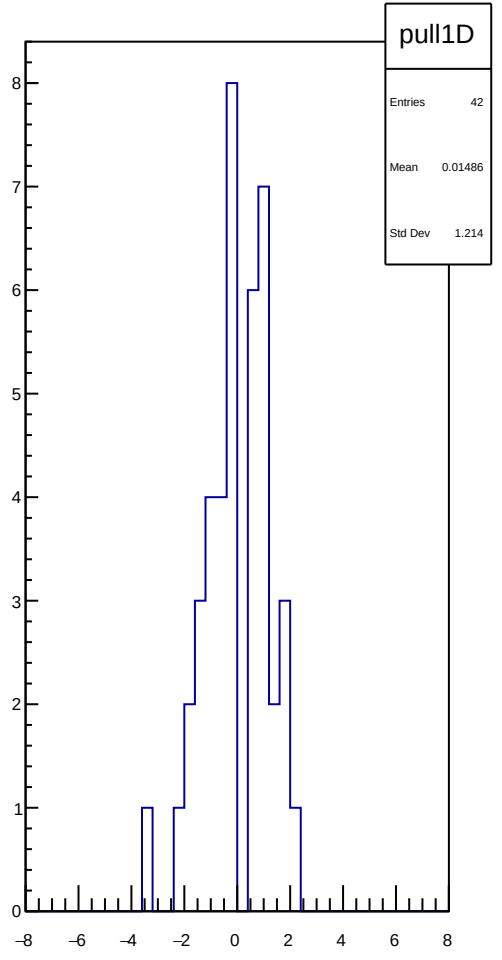

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 89.95 / 41
p0 1841 ± 2.024
1900
1880
1860
1840
1820
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

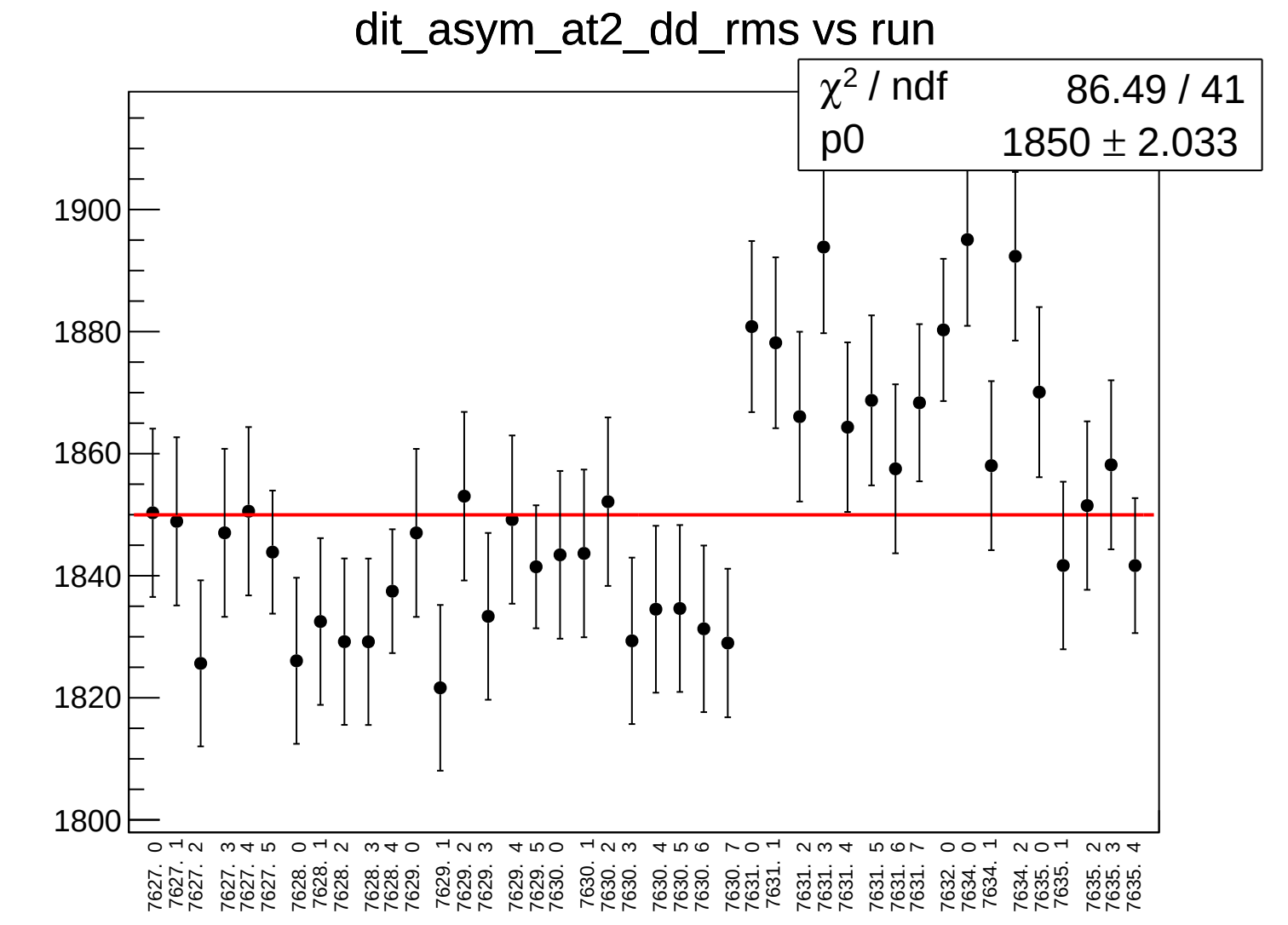

asym_at2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.3 / 41
p0 819.6 ± 4347
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 123.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

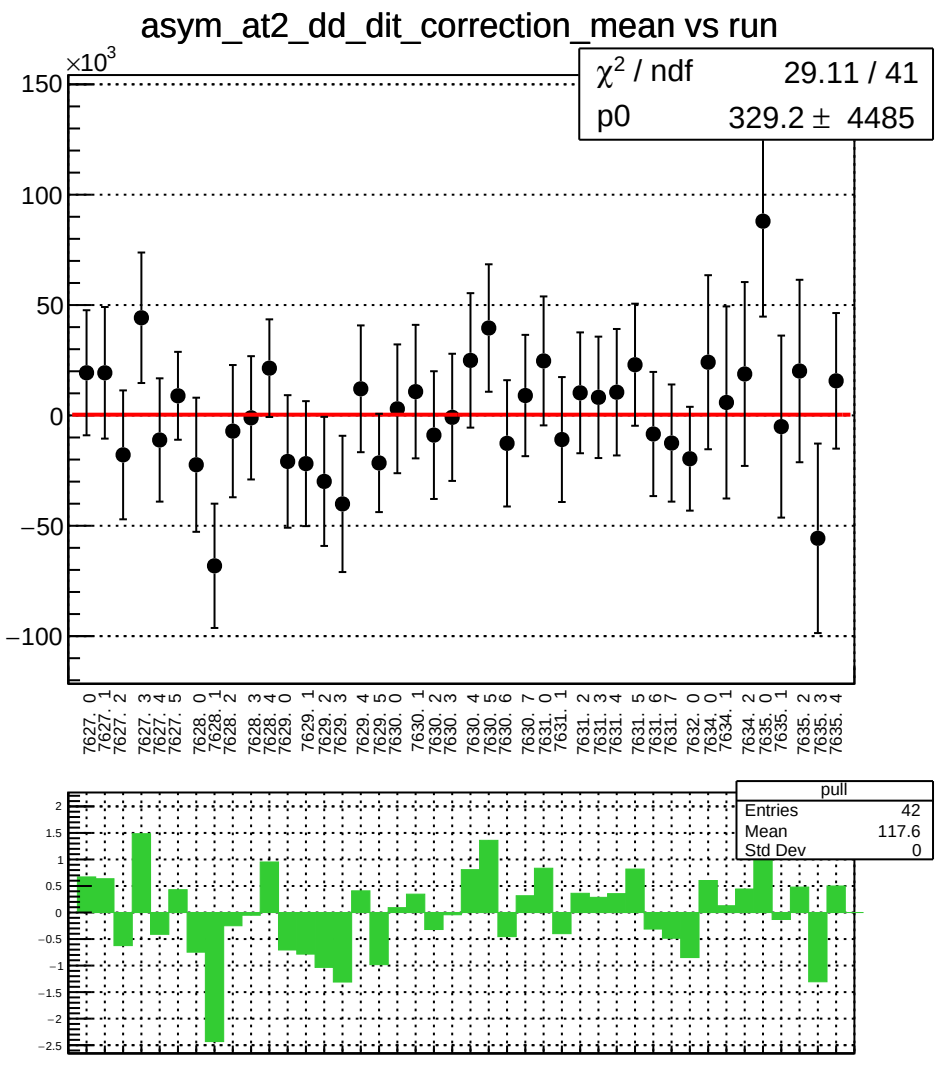

pull1D
Entries 42
Mean 0.01597
Std Dev 0.8351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

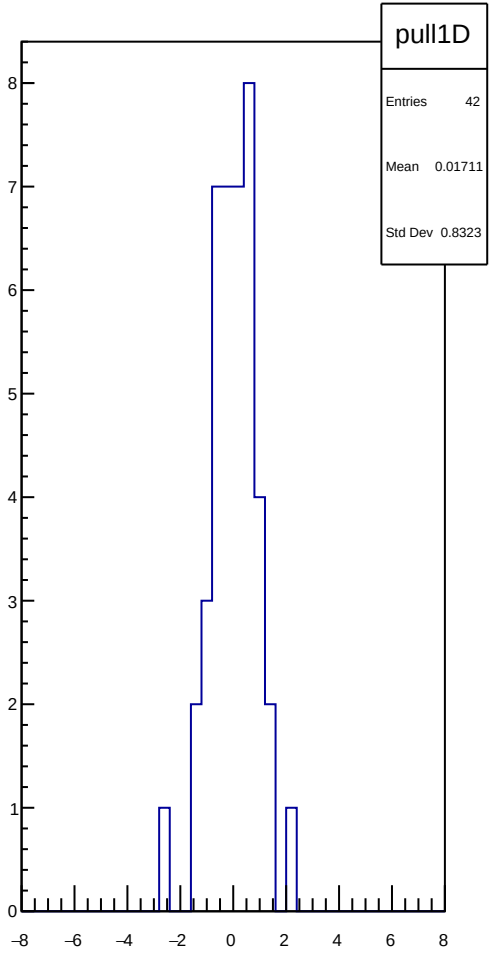

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2774 ± 3.074
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

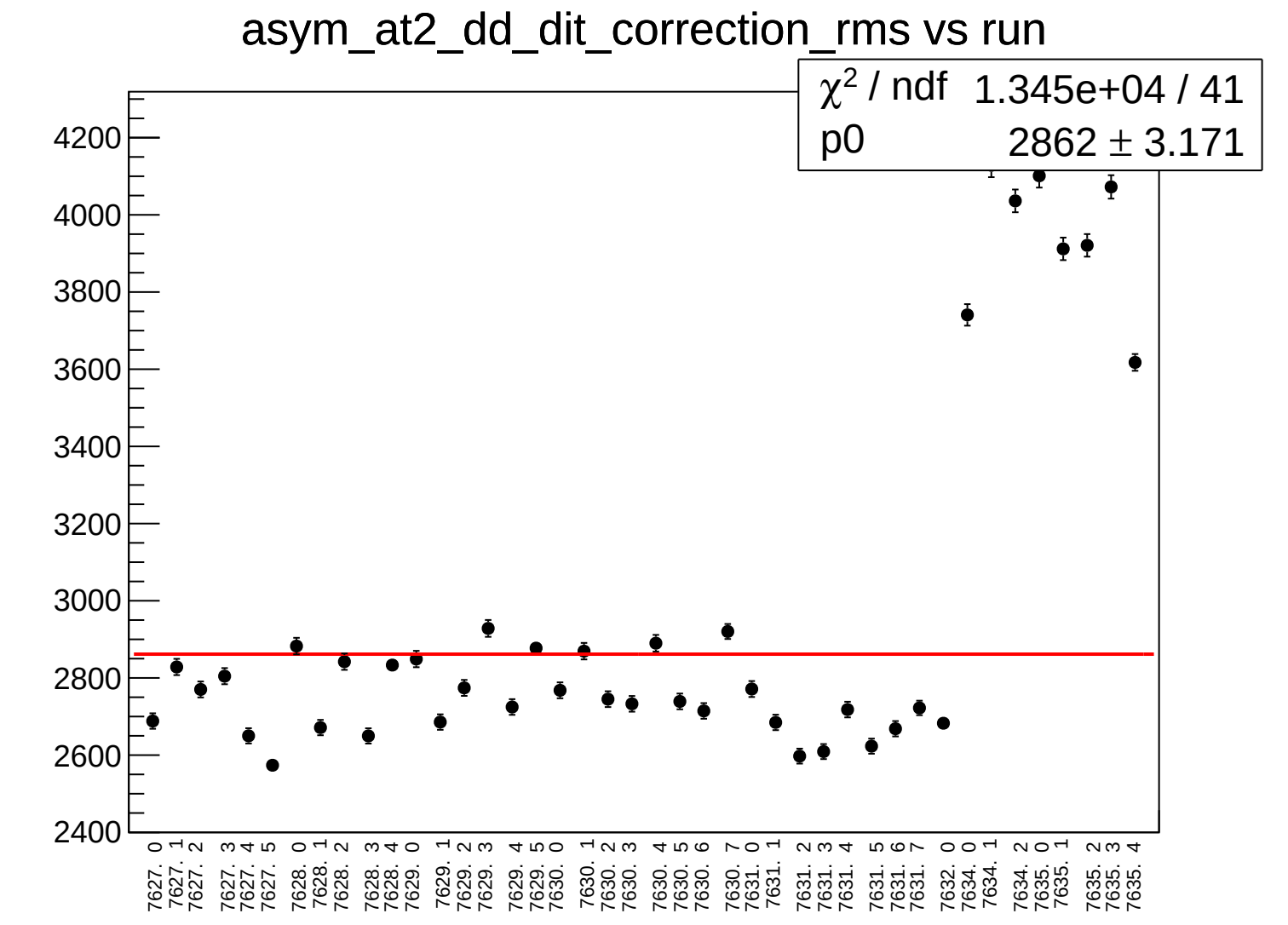

dit_asym_at2_dd_mean vs run
χ² / ndf 61.93 / 41
p0 3156 ± 2876
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 144.1
Std Dev 0
2
1
0
−1
−2
−3

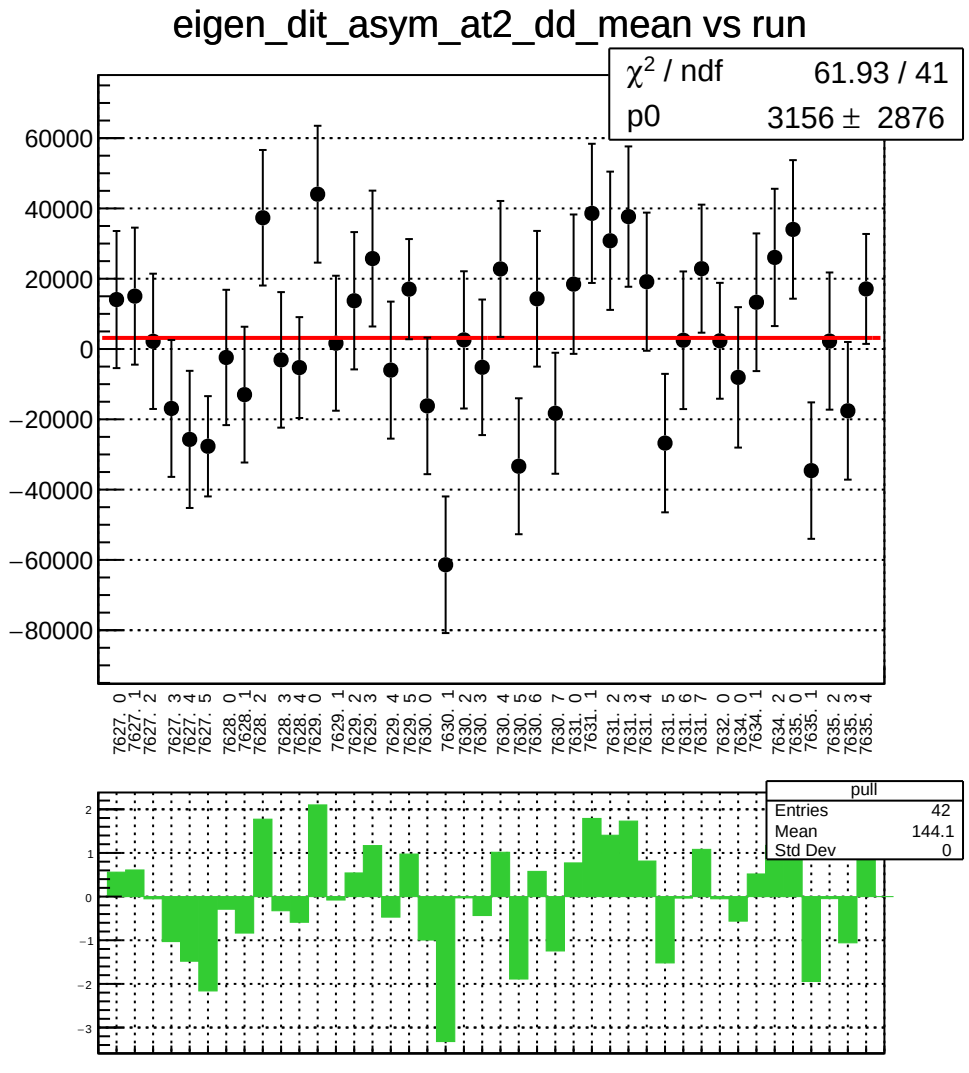

pull1D
Entries 42
Mean 0.01486
Std Dev 1.214
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

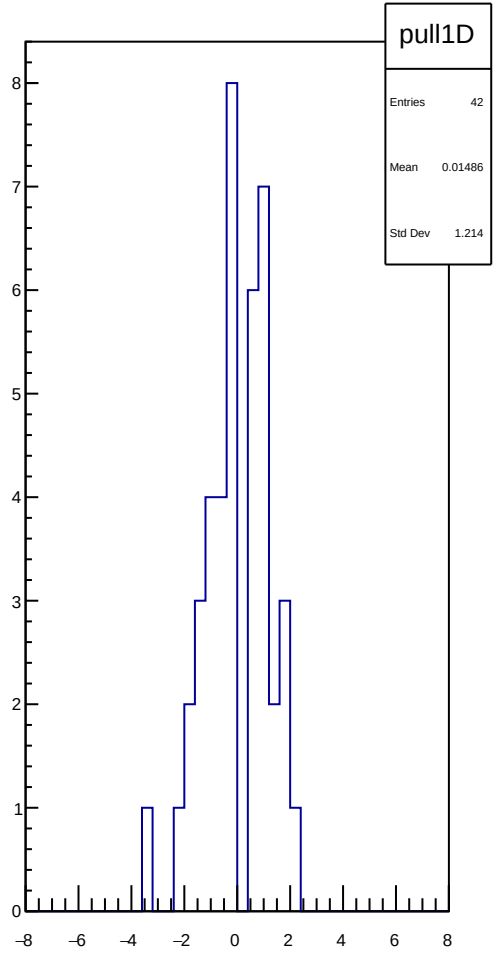

dit_asym_at2_dd_rms vs run
χ² / ndf 86.49 / 41
p0 1850 ± 2.033
1900
1880
1860
1840
1820
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

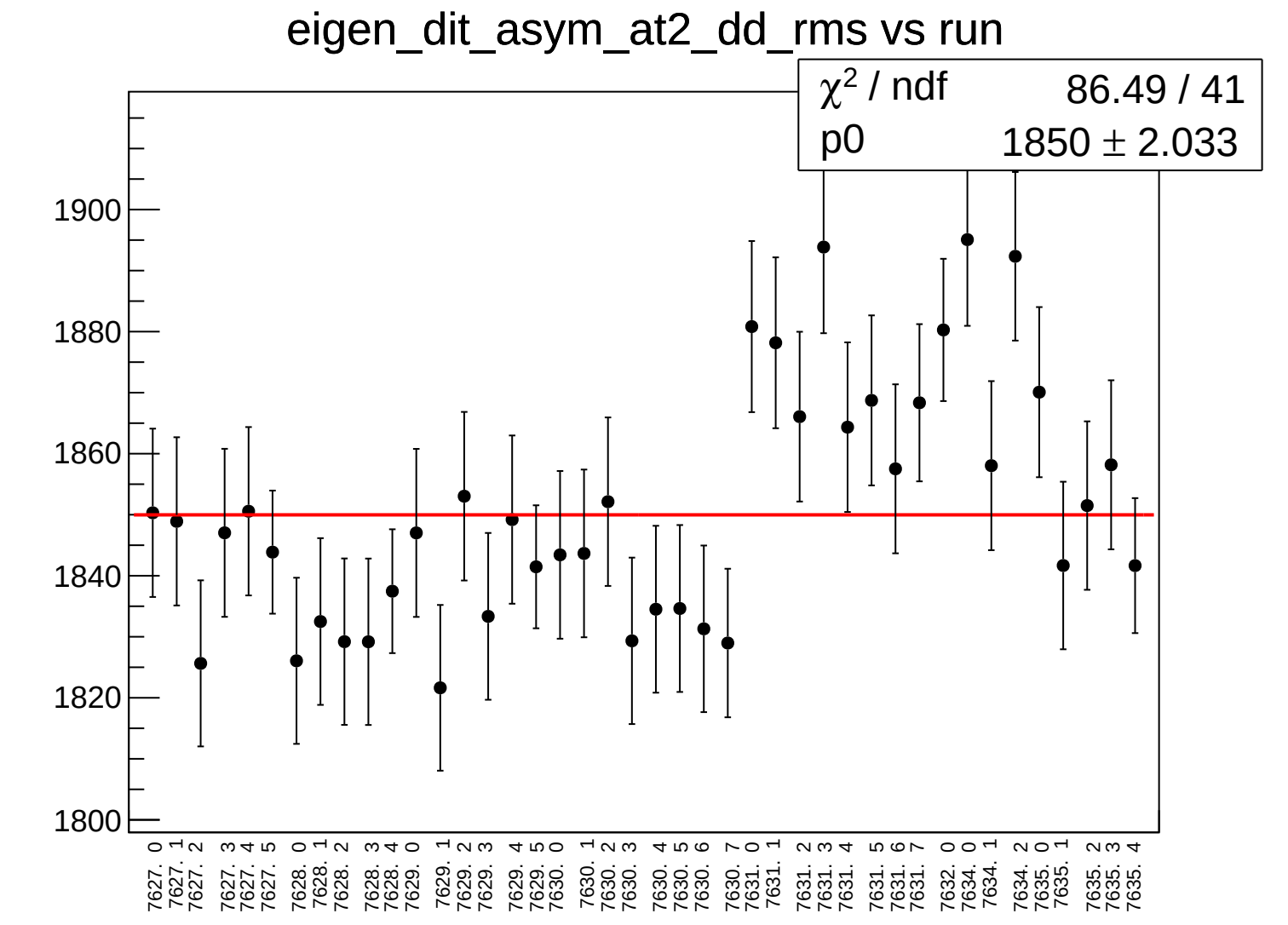

asym_at2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 29.11 / 41
p0 329.2 ± 4485
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

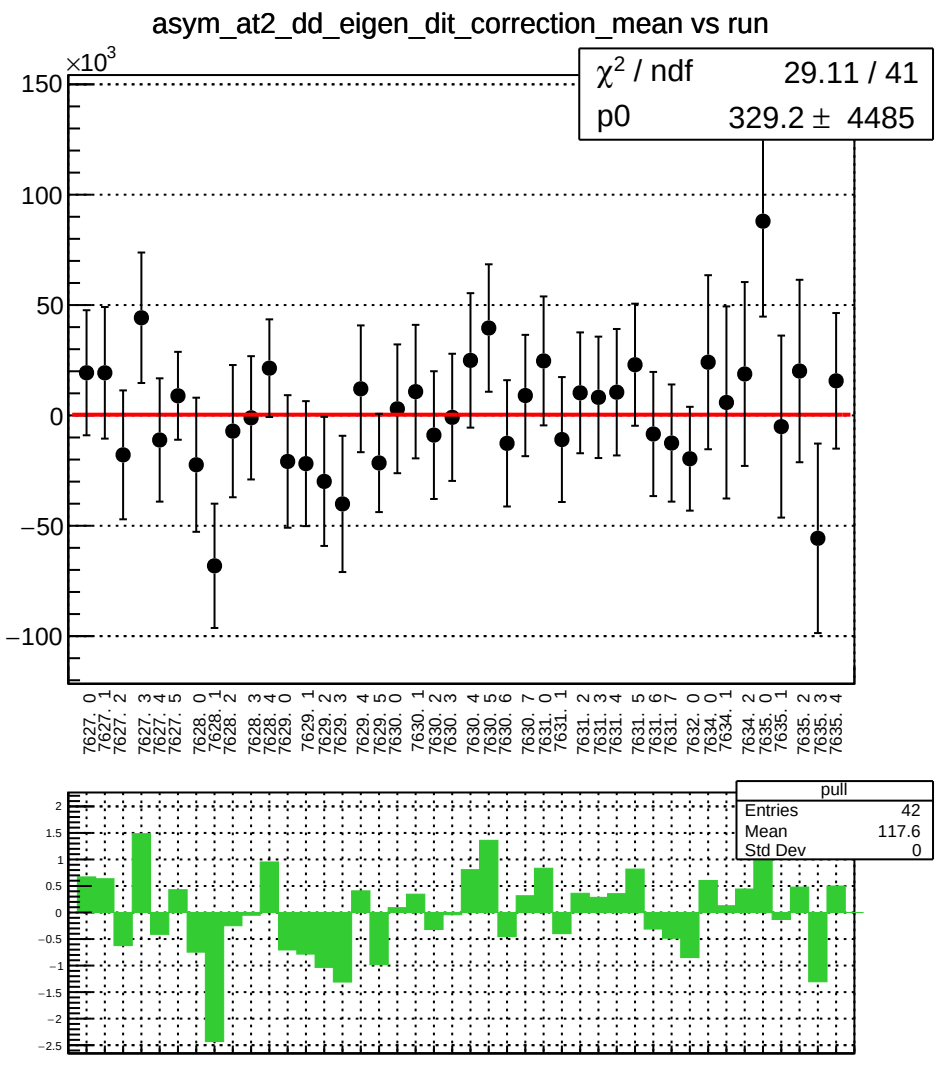

pull1D
Entries 42
Mean 0.01711
Std Dev 0.8323
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

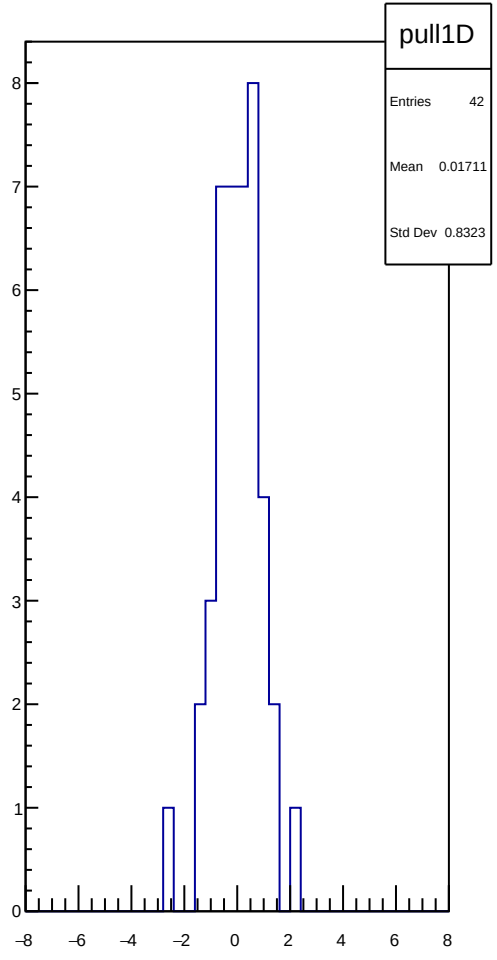

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 1.345e+04 / 41
p0 2862 ± 3.171
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

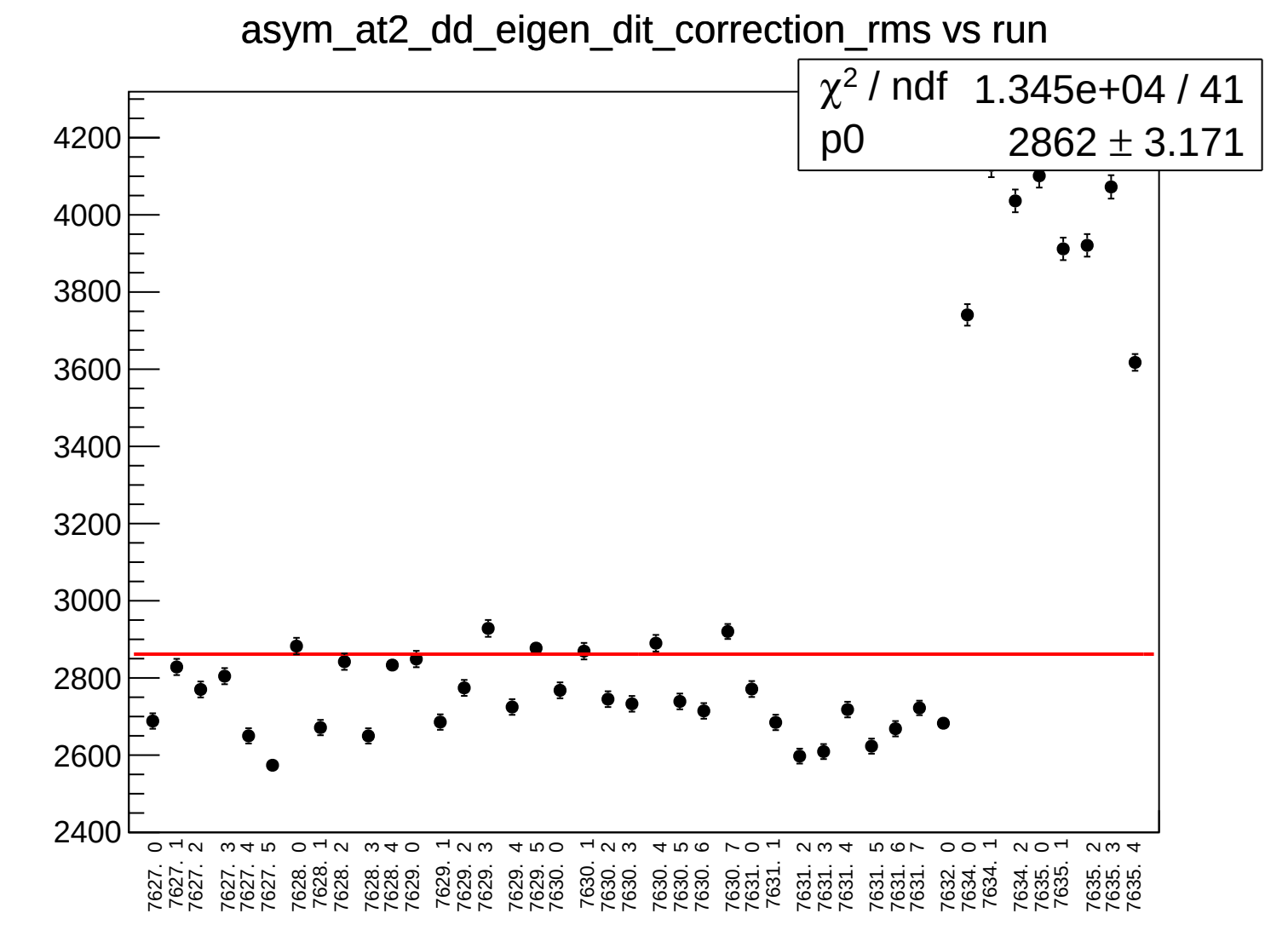

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 61.93 / 41
p0 3156 ± 2876
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 144.1
Std Dev 0
2
1
0
−1
−2
−3

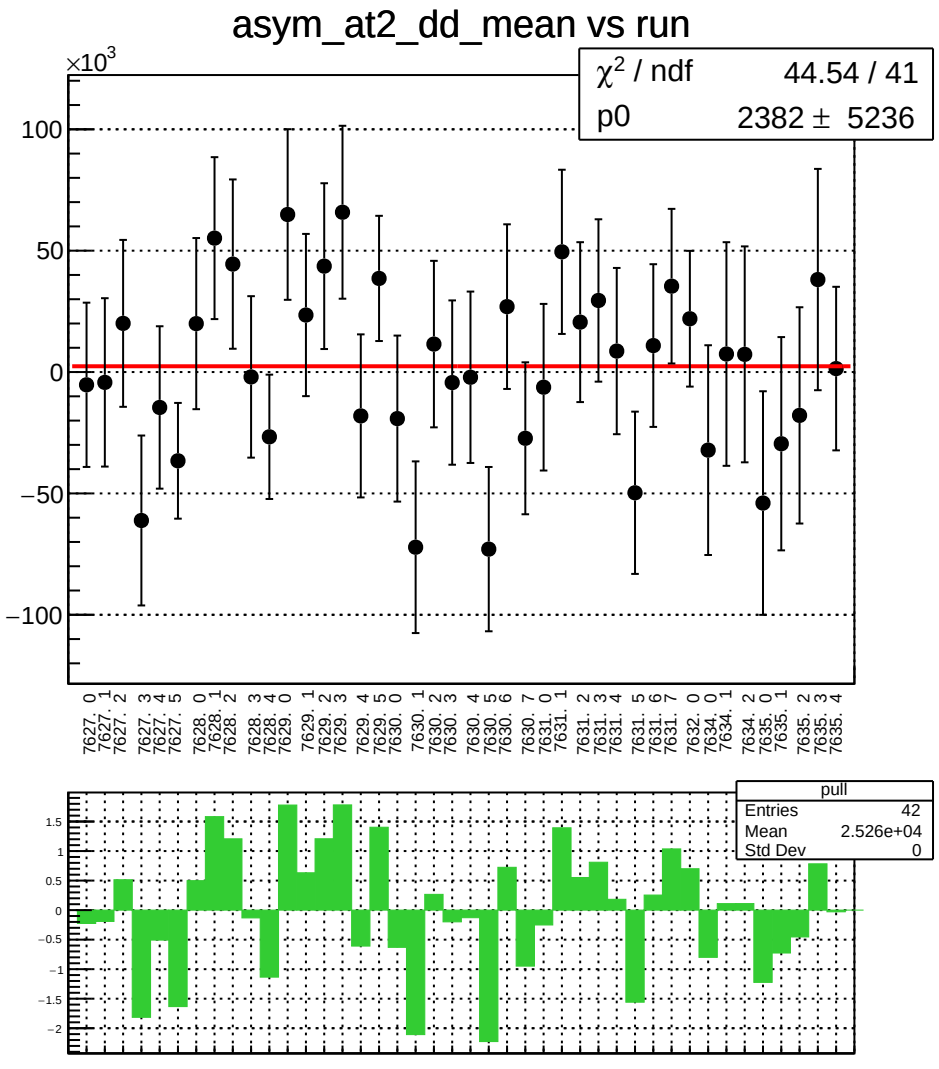

pull1D
Entries 42
Mean 0.01486
Std Dev 1.214
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

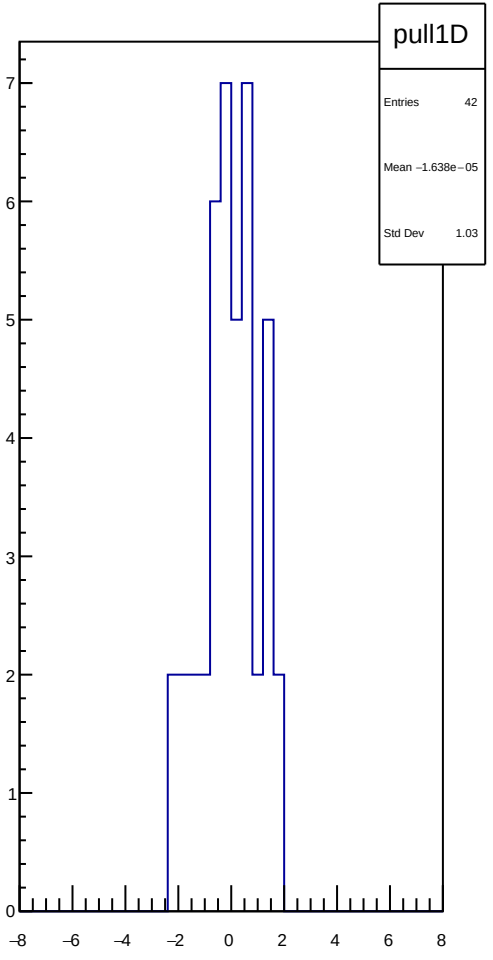

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 86.49 / 41
p0 1850 ± 2.033
1900
1880
1860
1840
1820
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

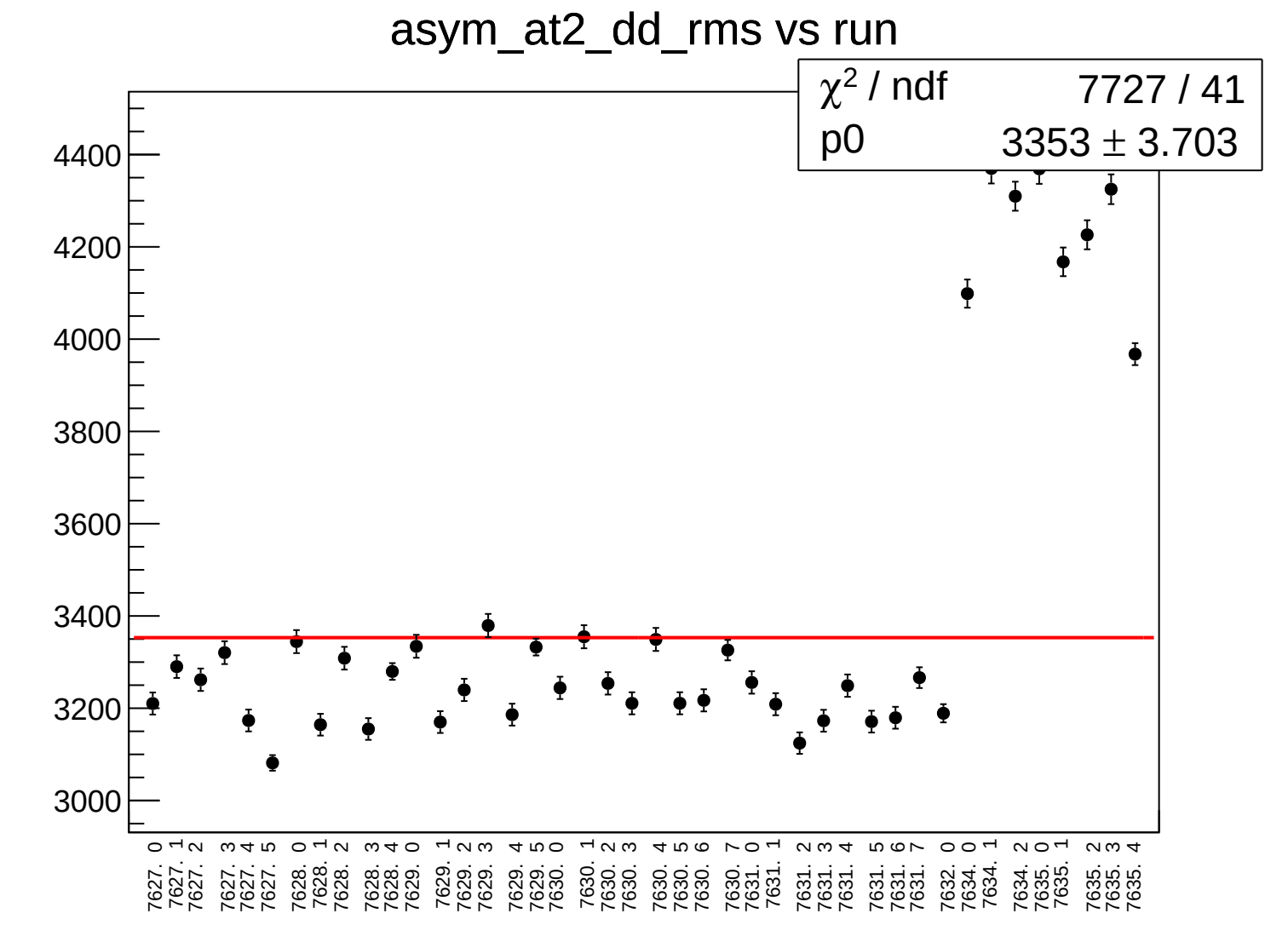

asym_at2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 29.11 / 41
p0 329.2 ± 4485
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

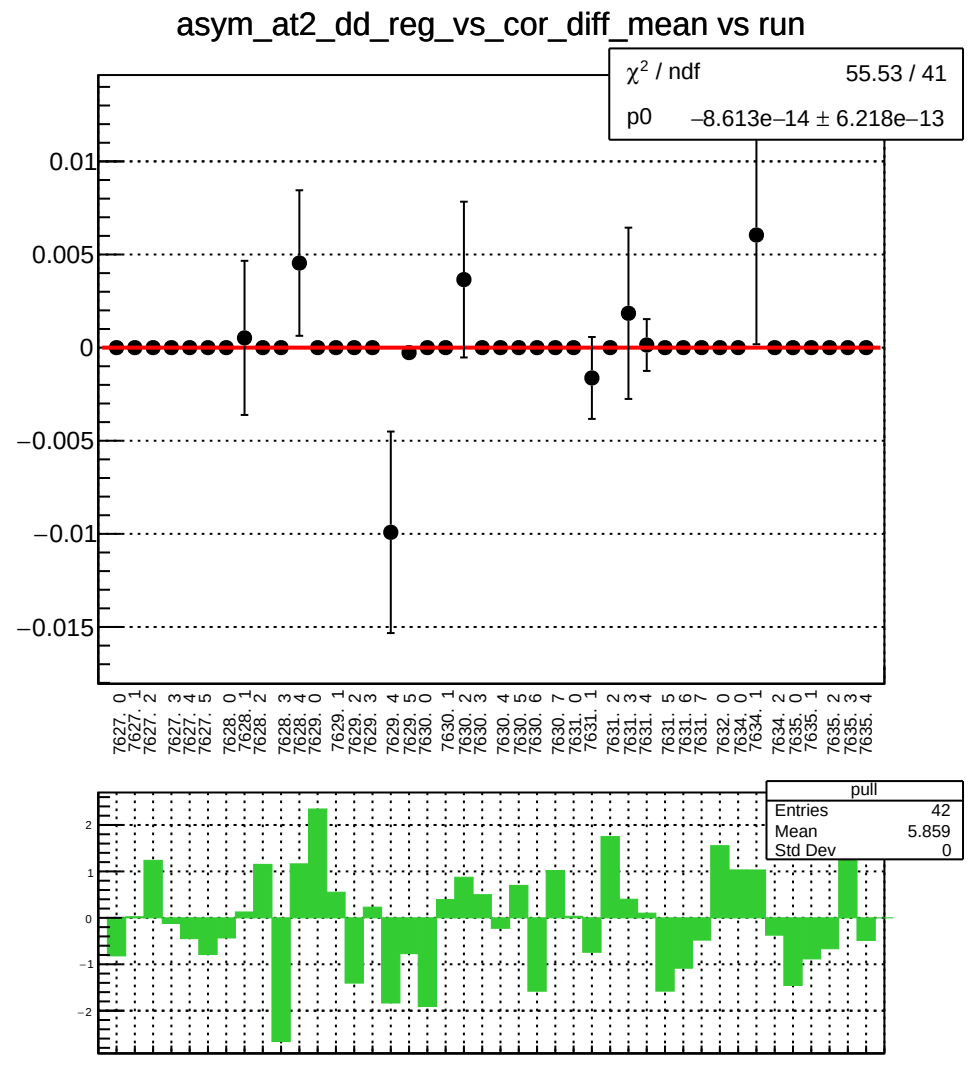

pull1D
Entries 42
Mean 0.01711
Std Dev 0.8323
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

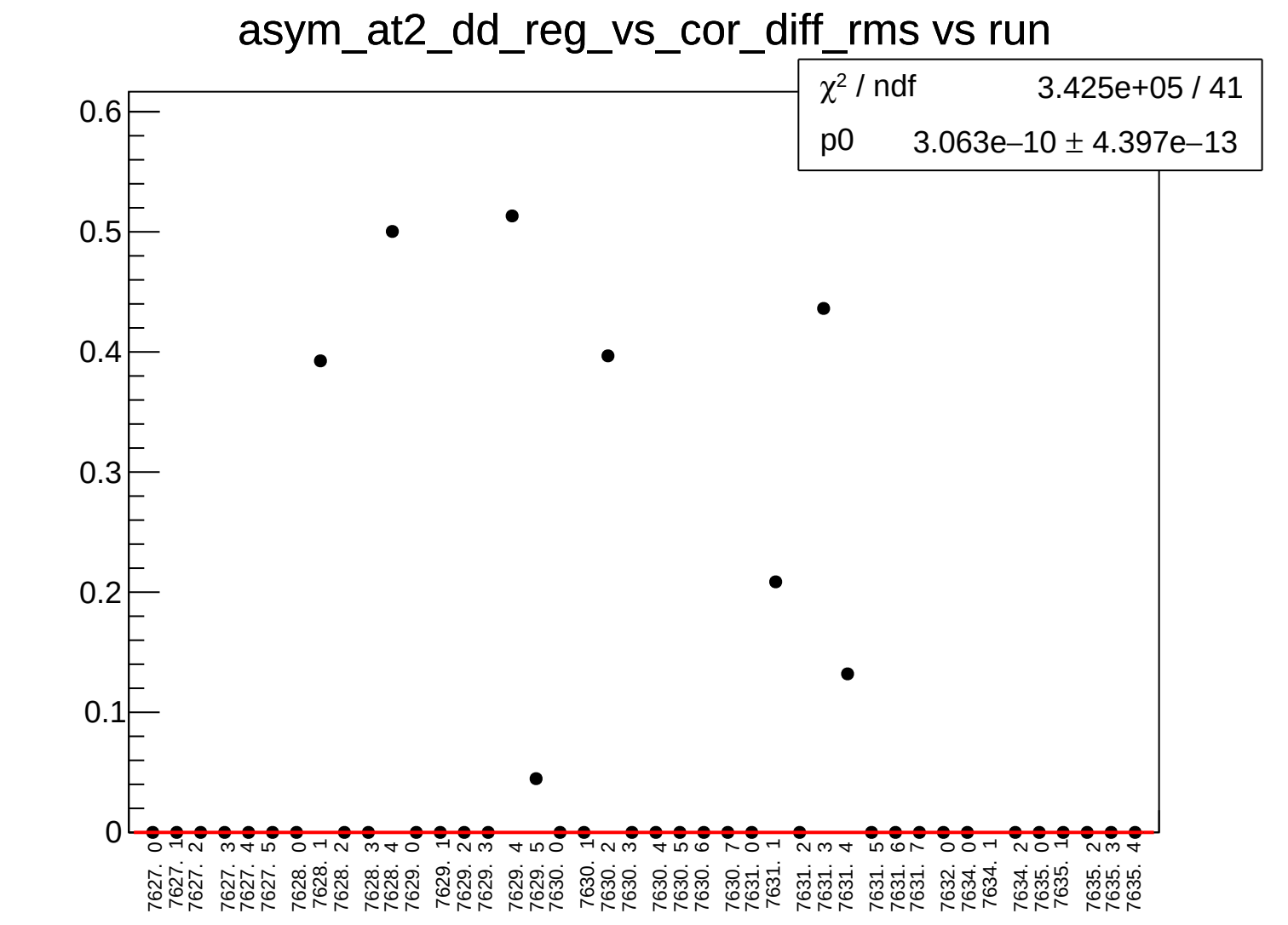

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.345e+04 / 41
p0 2862 ± 3.171
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

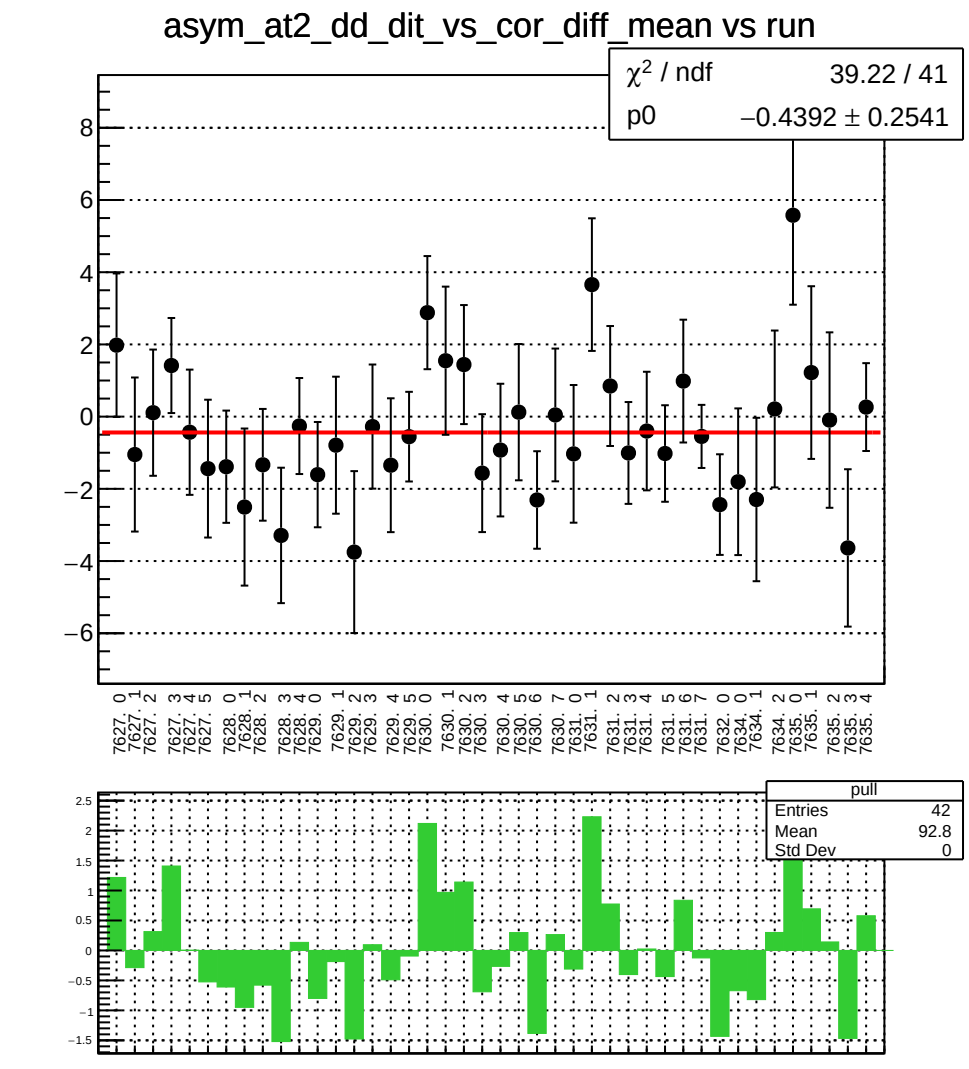

asym_at2_dd_mean vs run
×10^3
χ² / ndf 44.54 / 41
p0 2382 ± 5236
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2.526e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

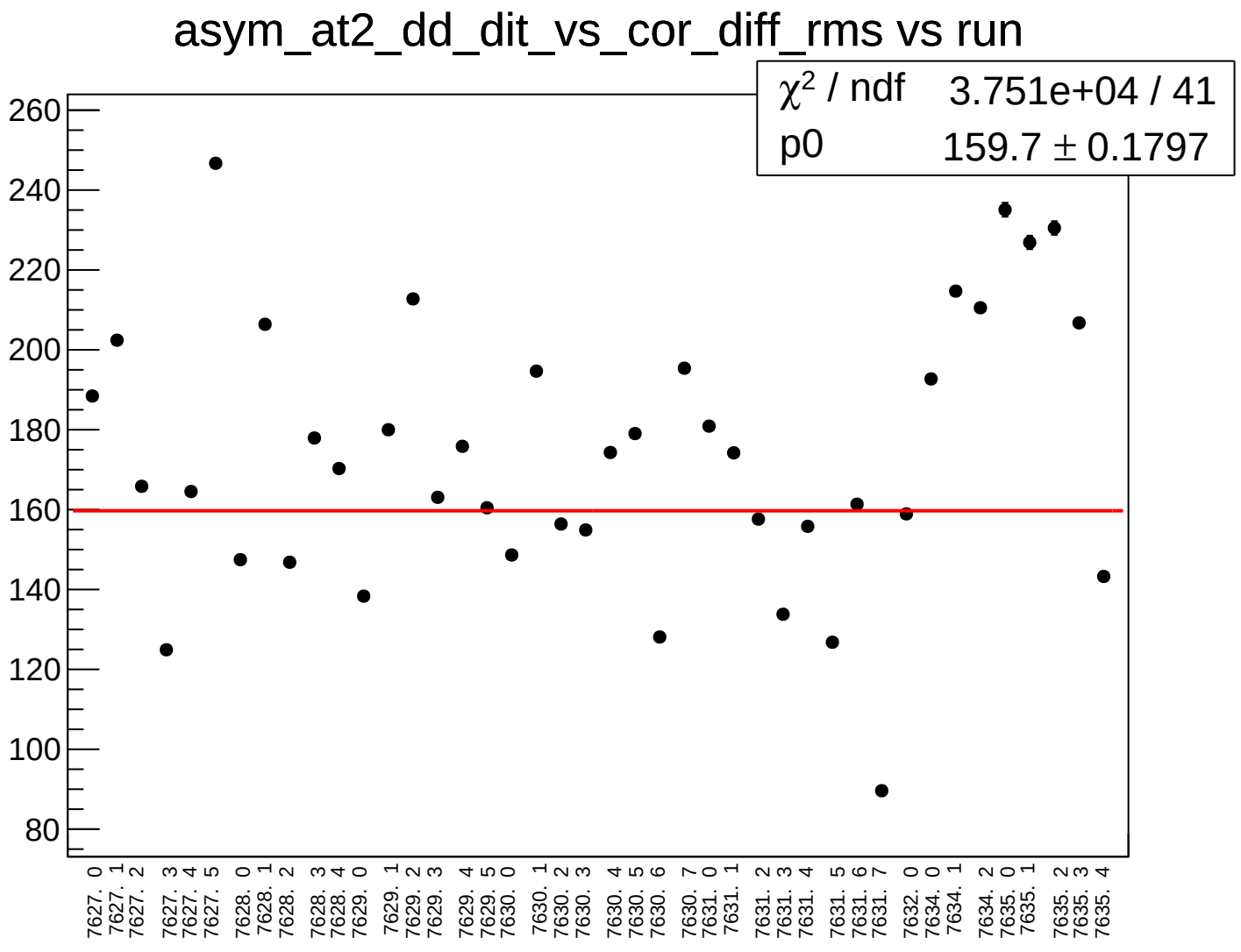

pull1D
Entries 42
Mean −1.638e−05
Std Dev 1.03
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_rms vs run
χ² / ndf 7727 / 41
p0 3353 ± 3.703
4400
4200
4000
3800
3600
3400
3200
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

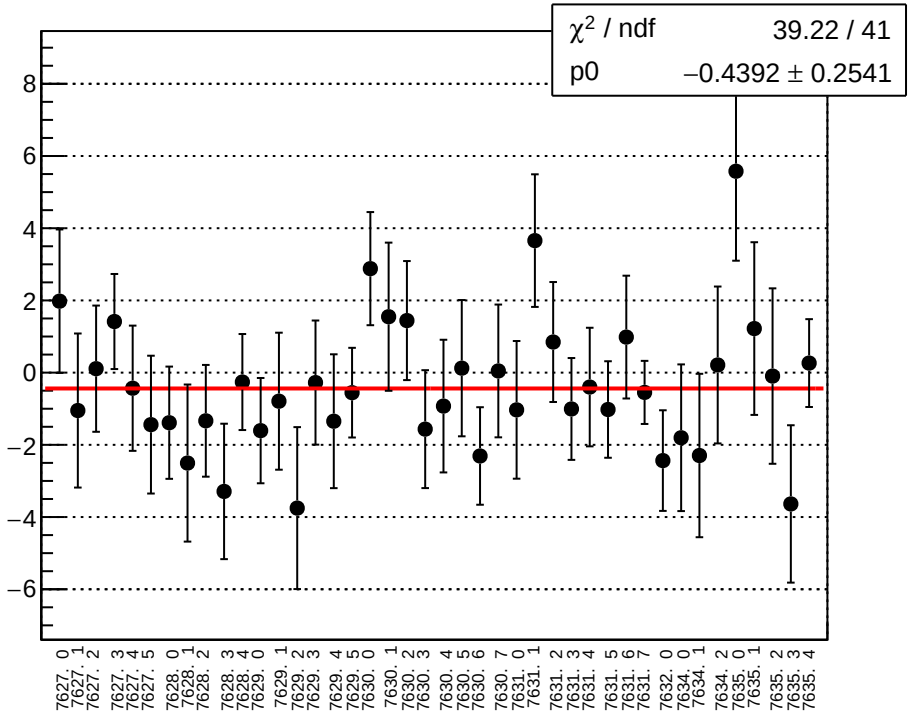

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.53 / 41
p0 −8.613e−14 ± 6.218e−13
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 5.859
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.04987
Std Dev 1.149
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

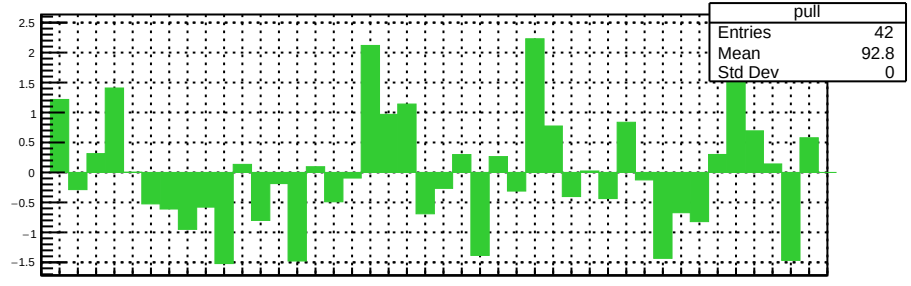

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.425e+05 / 41
p0 3.063e−10 ± 4.397e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

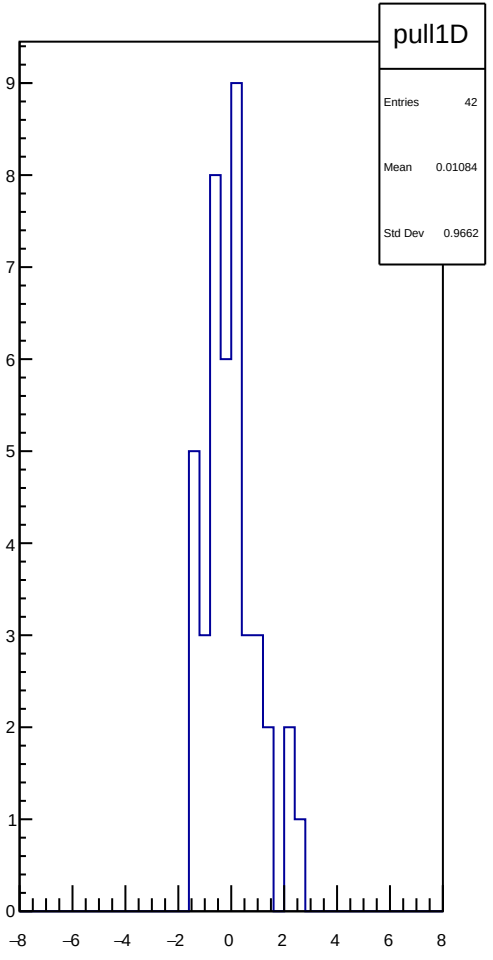

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.22 / 41
p0 −0.4392 ± 0.2541
pull
Entries 42
Mean 92.8
Std Dev 0
pull1D
Entries 42
Mean 0.01084
Std Dev 0.9662

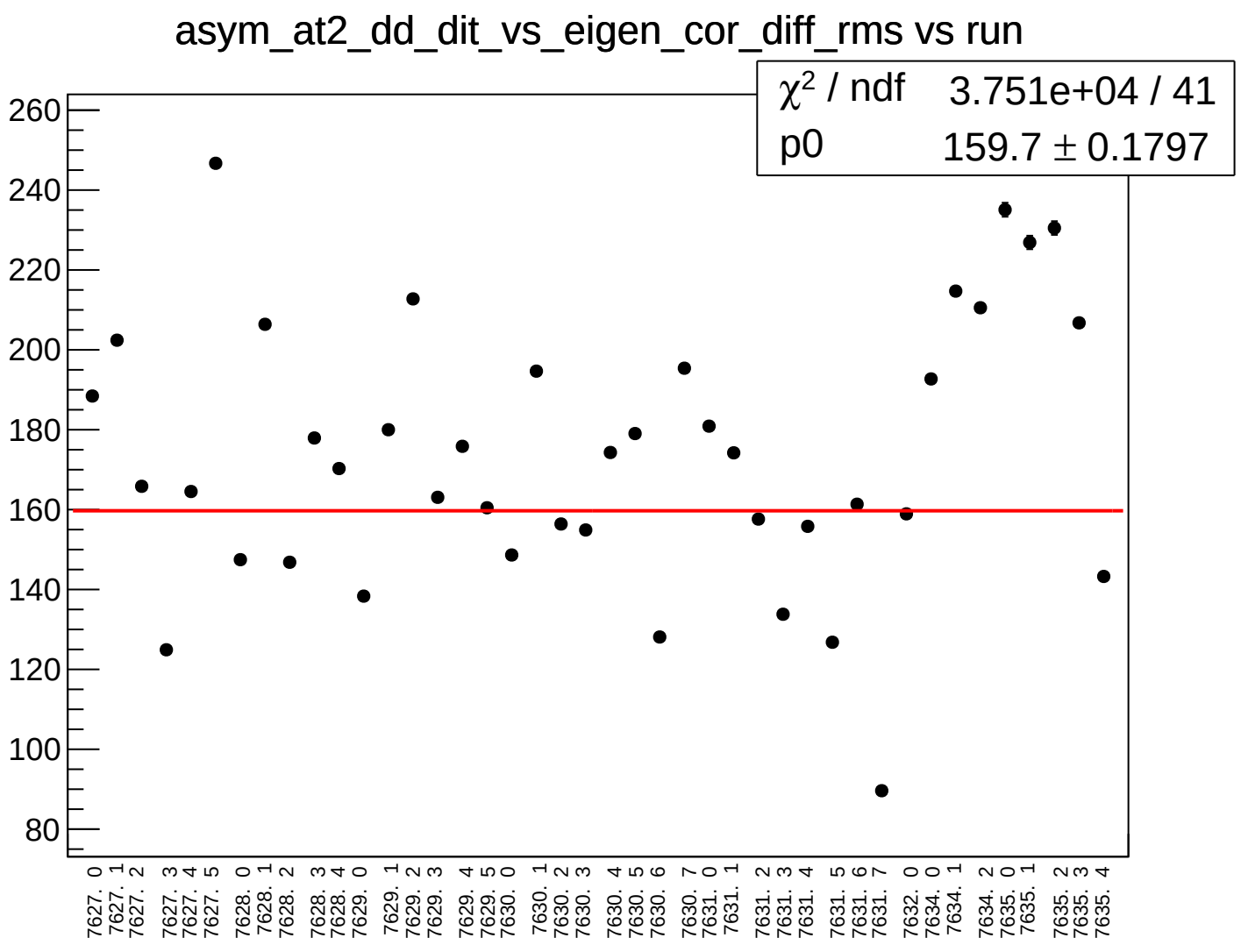

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.751e+04 / 41
p0 159.7 ± 0.1797
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

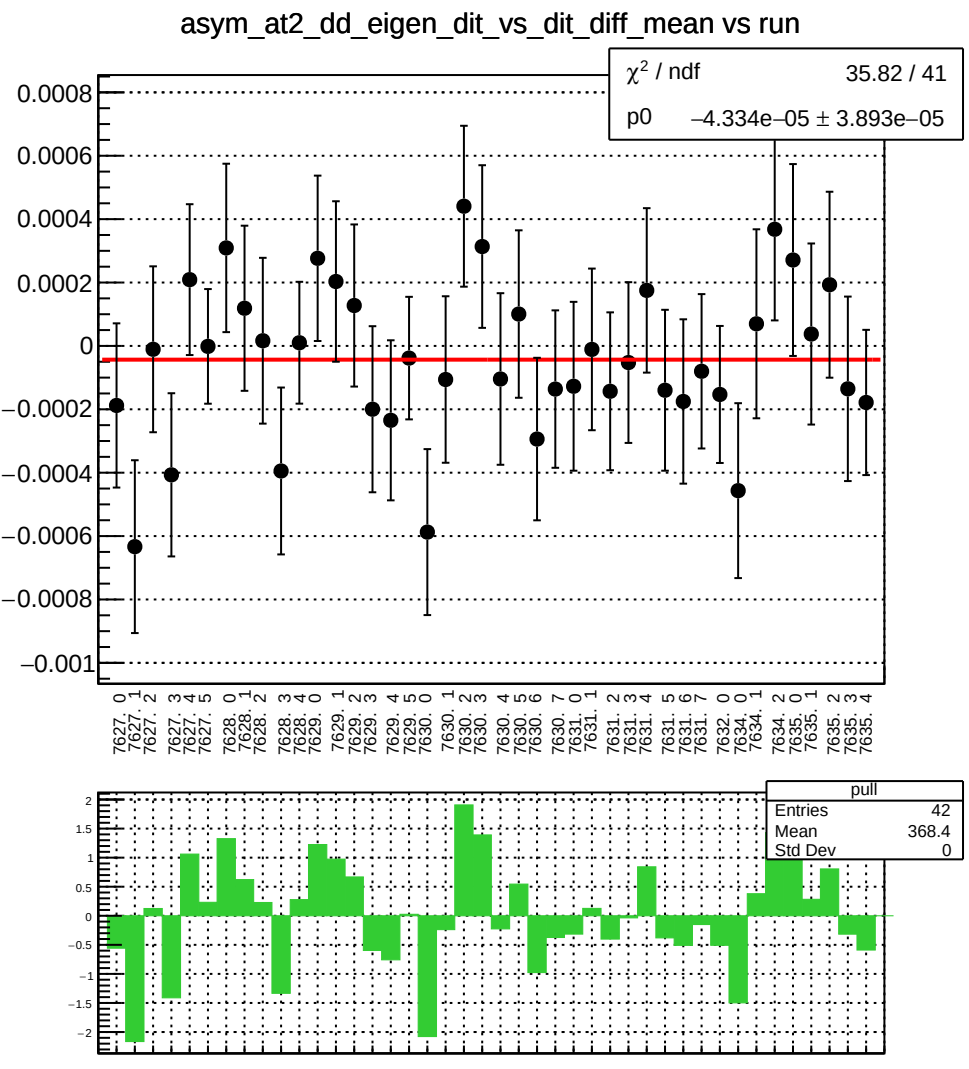
asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run

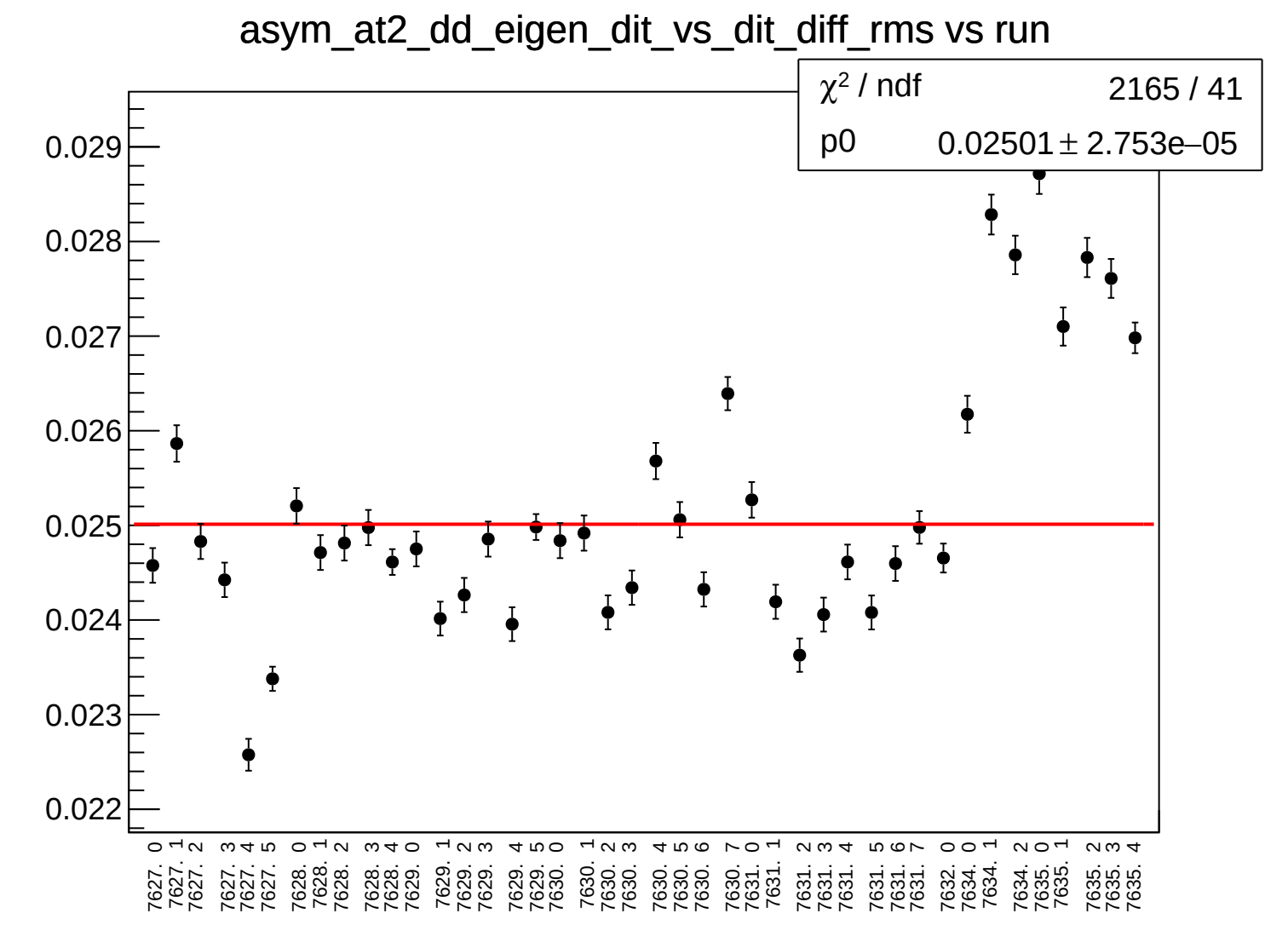




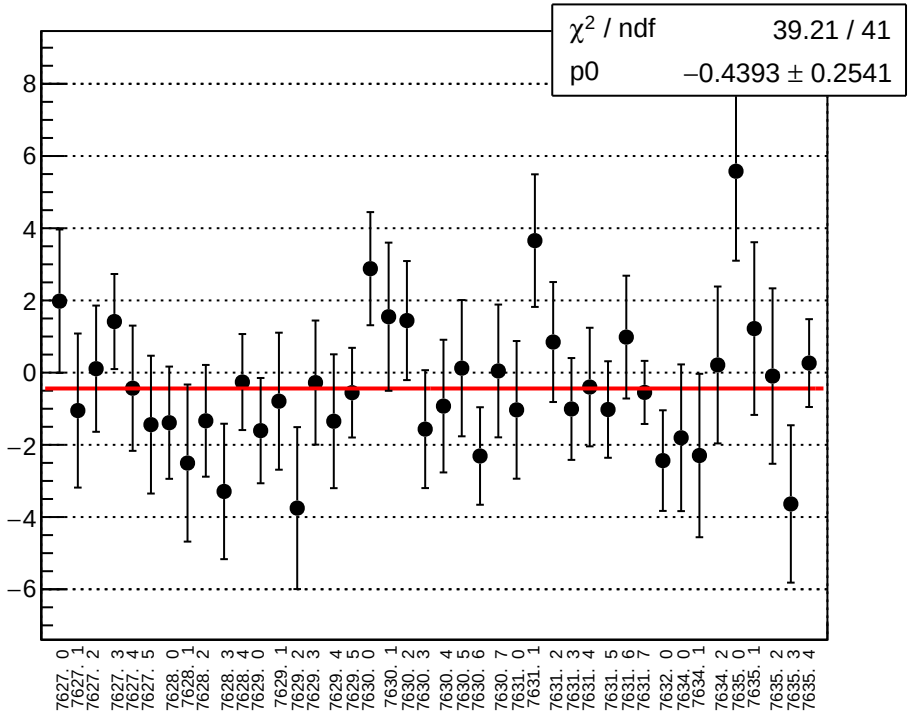


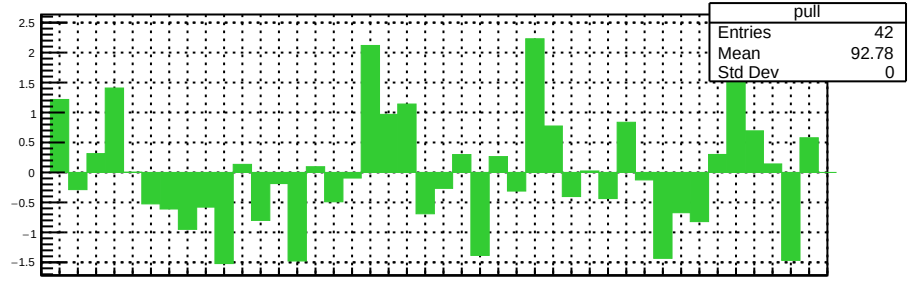

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.751e+04 / 41
p0 159.7 ± 0.1797
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

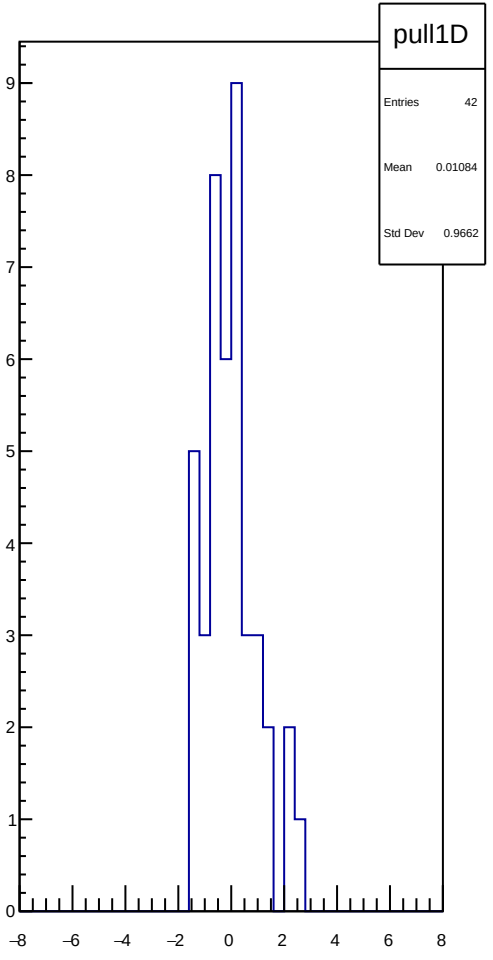

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 35.82 / 41
p0 −4.334e−05 ± 3.893e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 368.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.00232
Std Dev 0.9235
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

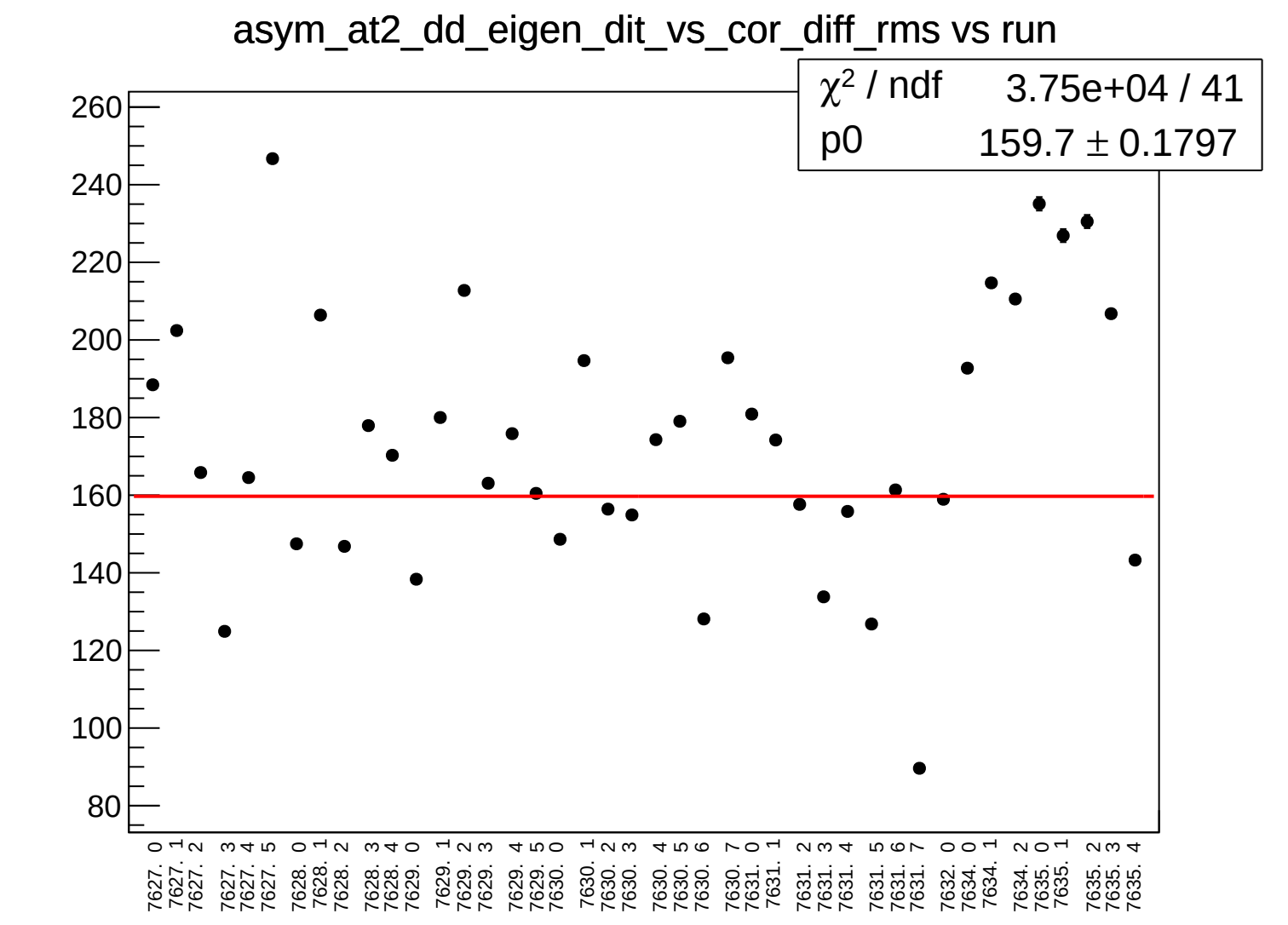

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2165 / 41
p0 0.02501 ± 2.753e–05
0.029
0.028
0.027
0.026
0.025
0.024
0.023
0.022
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

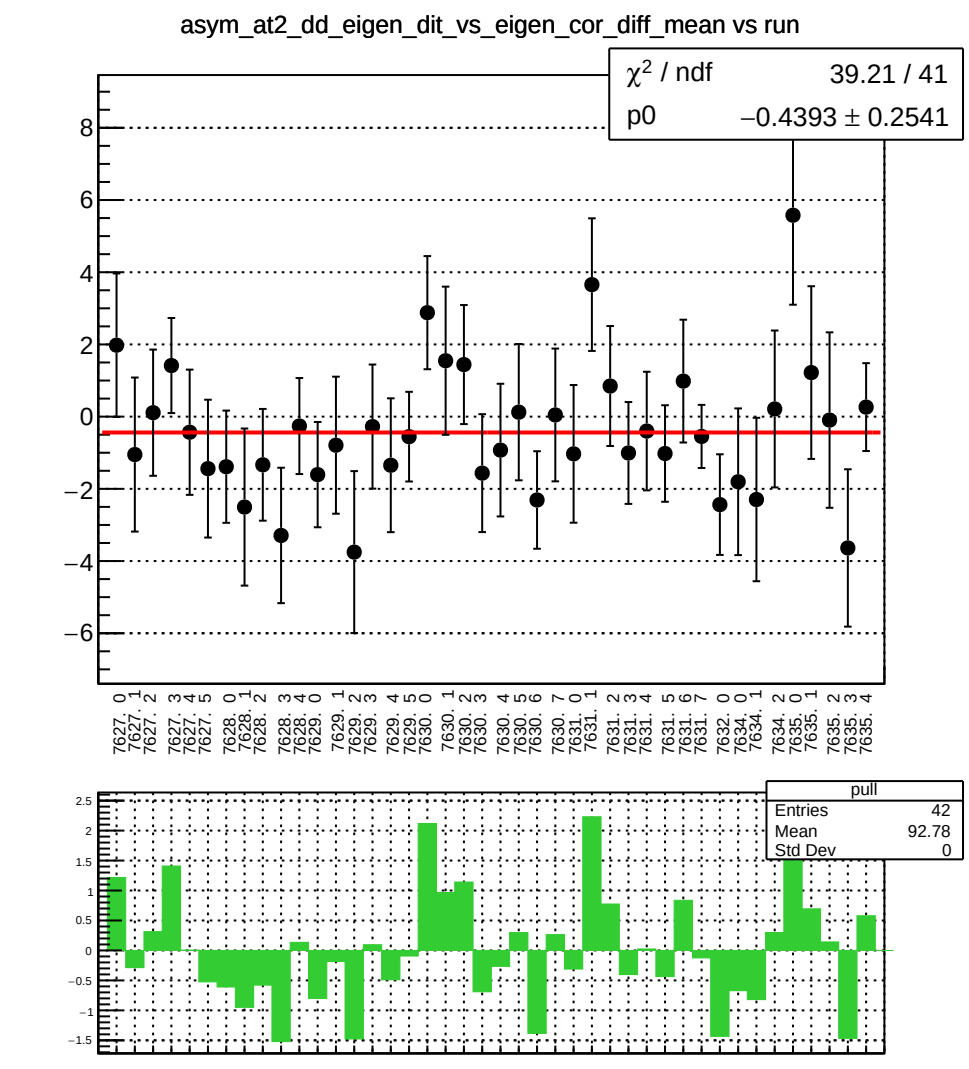
asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run

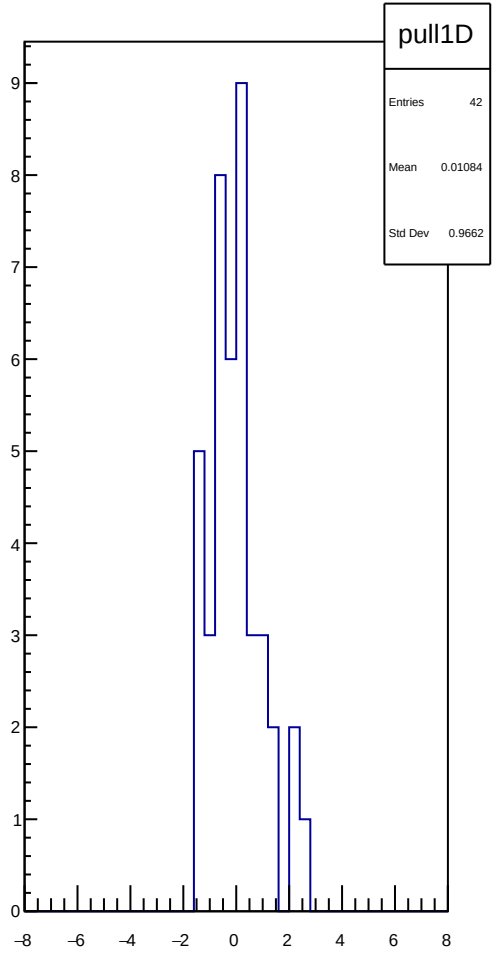


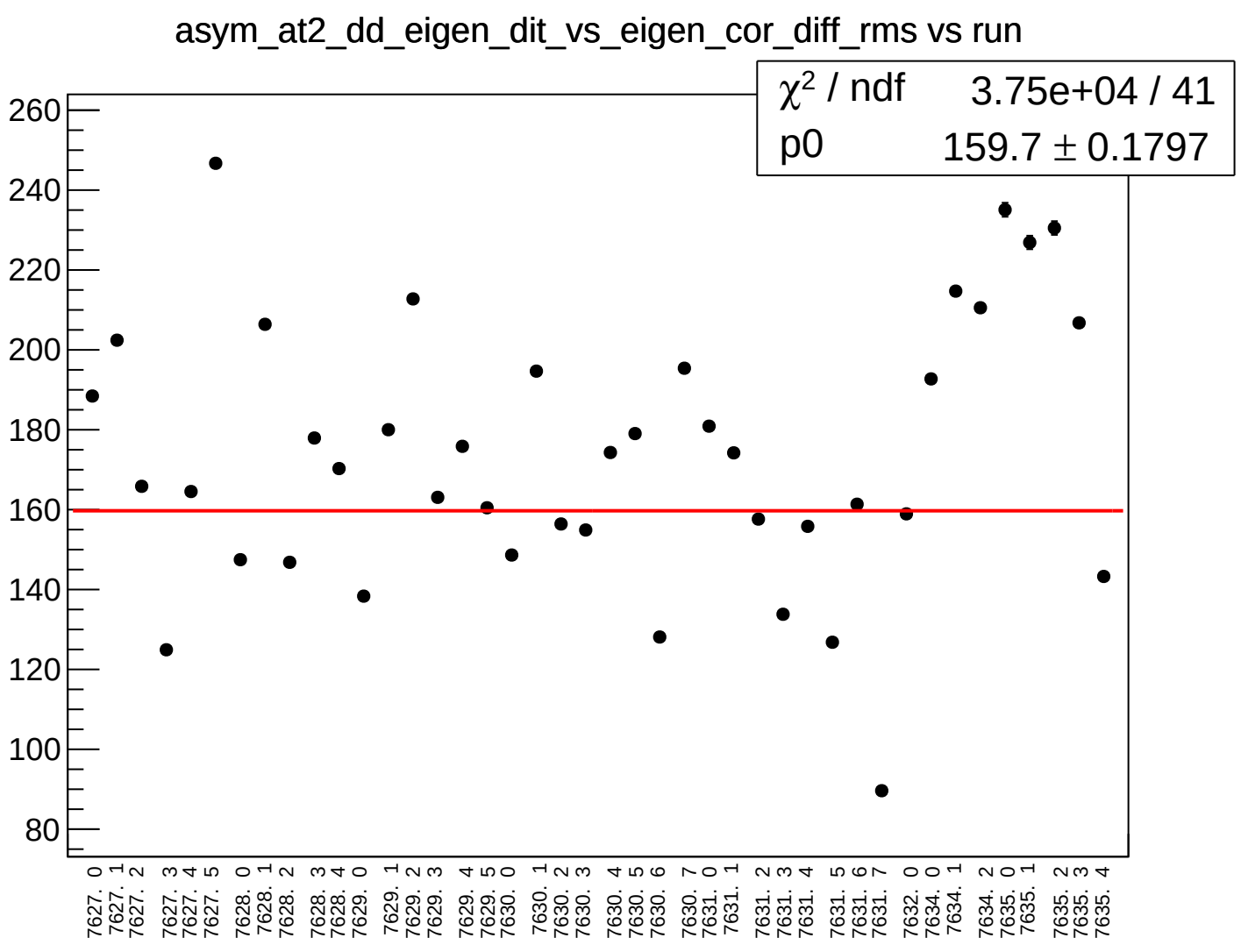


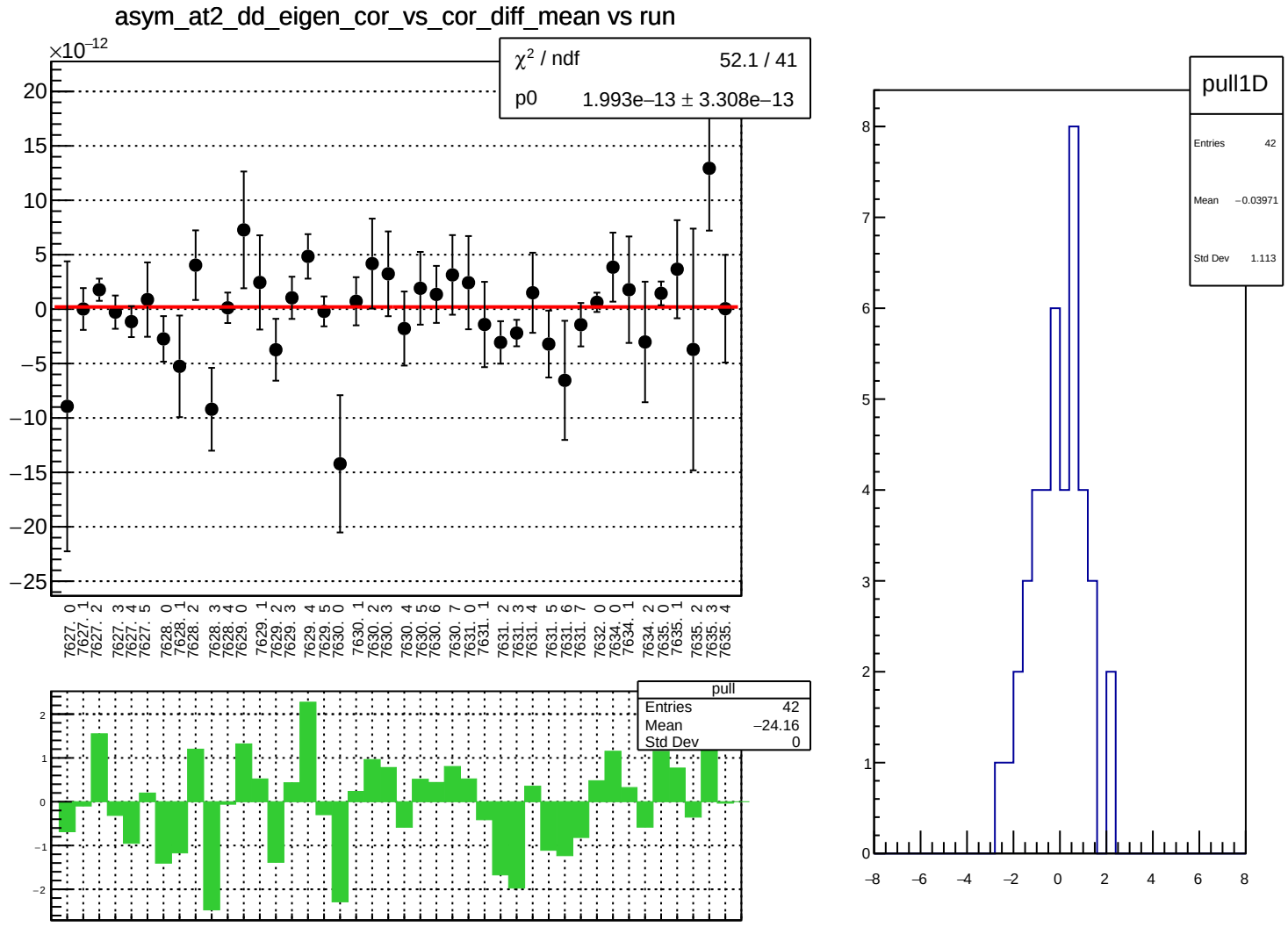


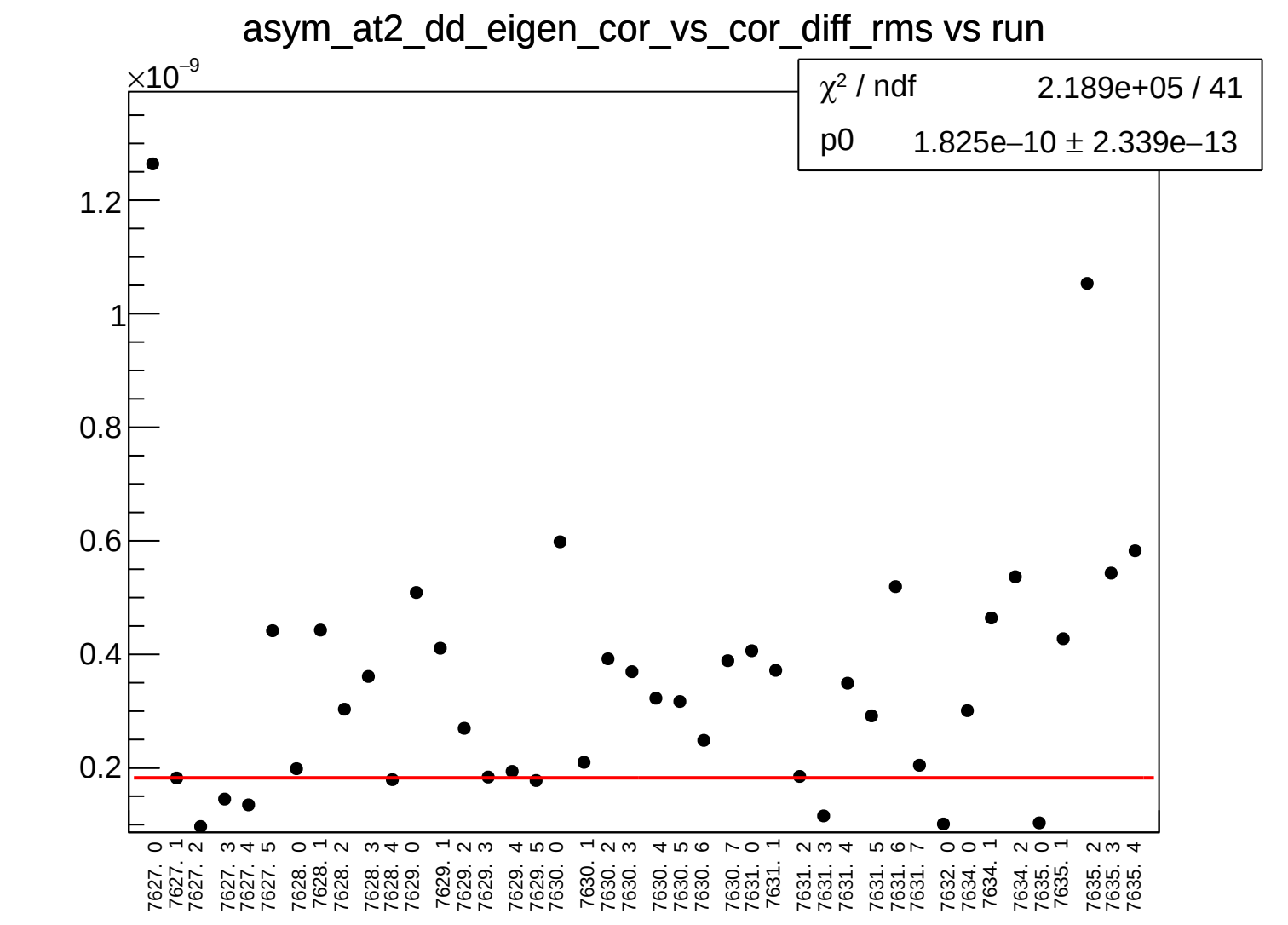

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.75e+04 / 41
p0 159.7 ± 0.1797
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

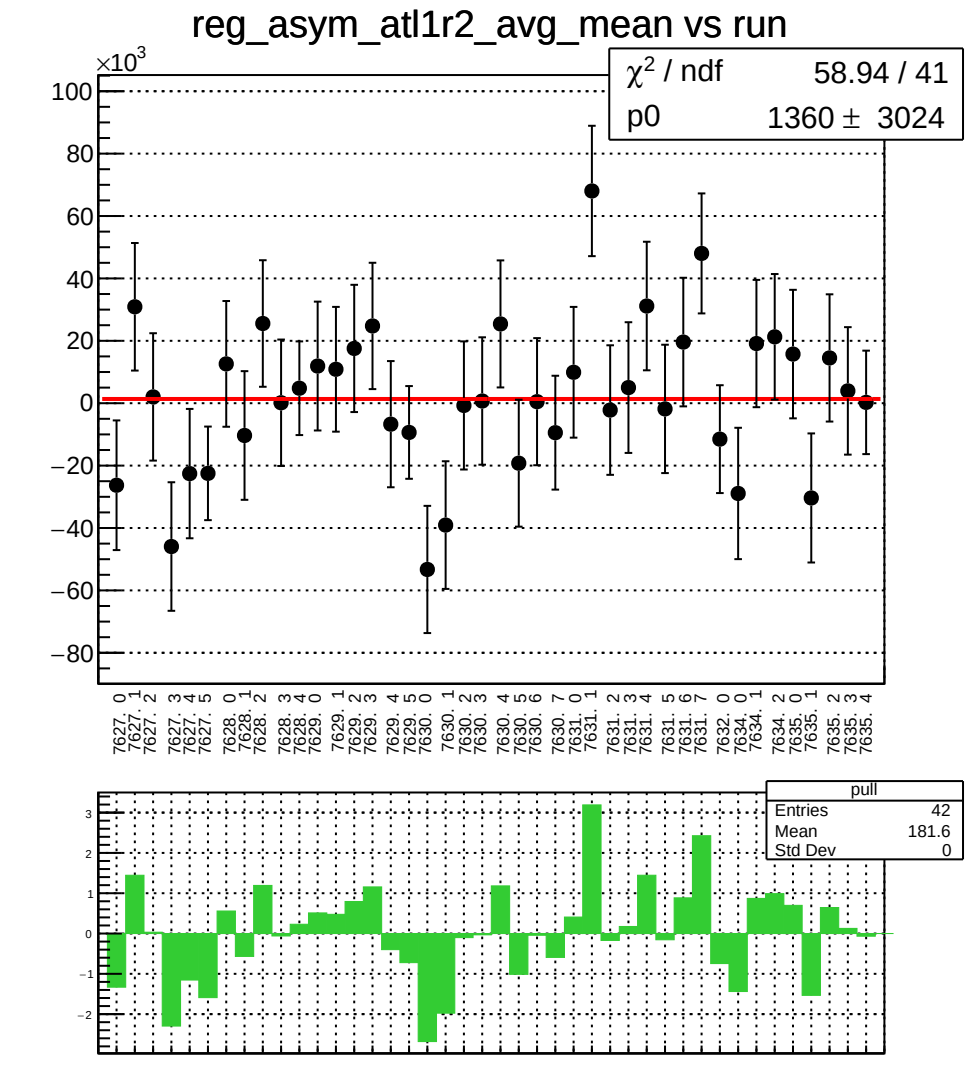

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.21 / 41
p0 −0.4393 ± 0.2541
pull
Entries 42
Mean 92.78
Std Dev 0

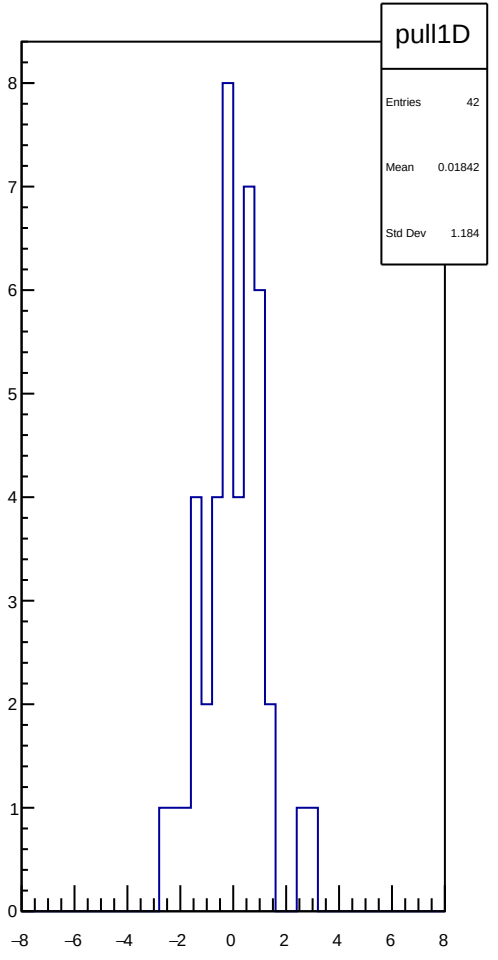

pull1D
Entries 42
Mean 0.01084
Std Dev 0.9662

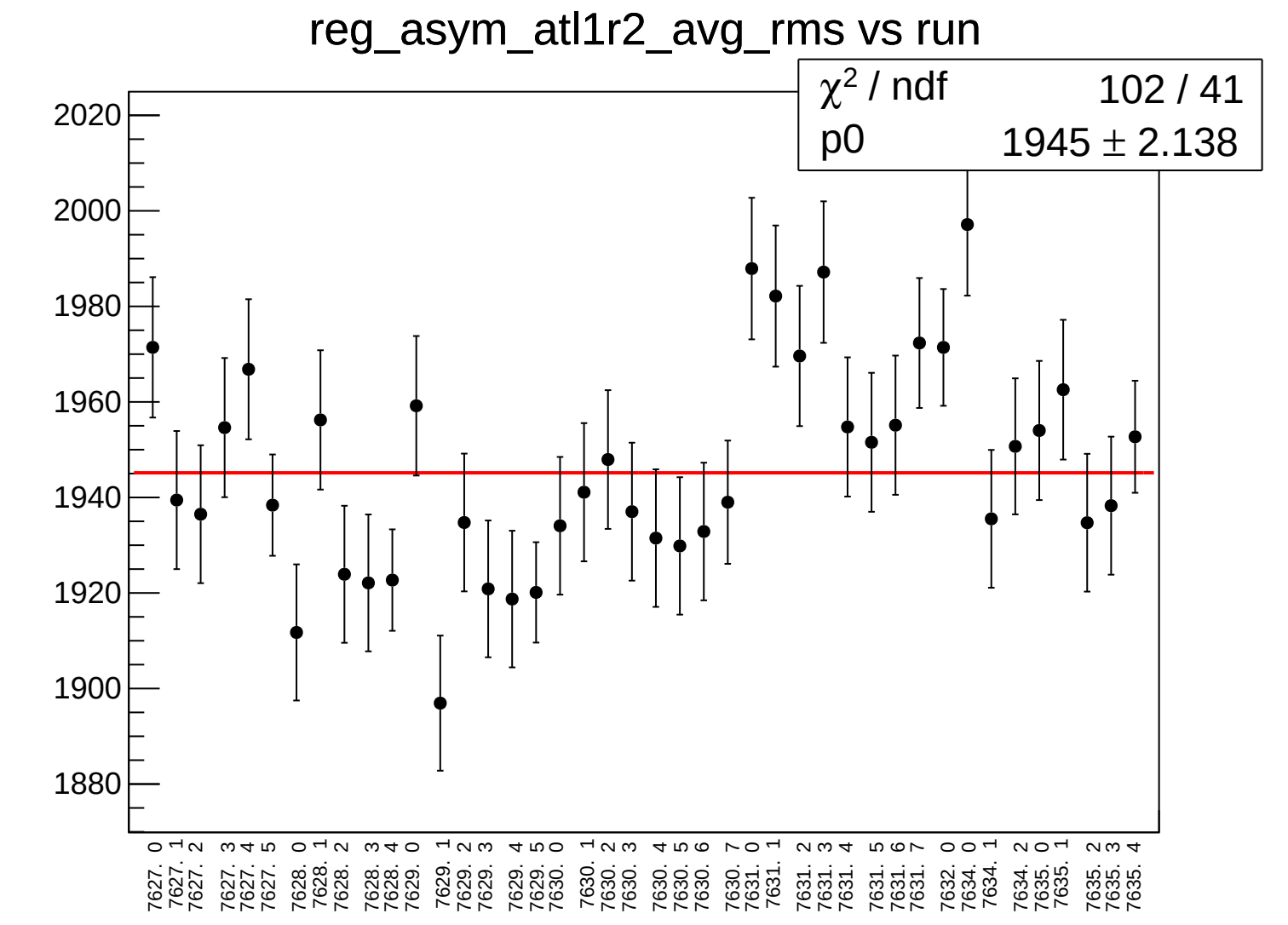

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.75e+04 / 41
p0 159.7 ± 0.1797
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

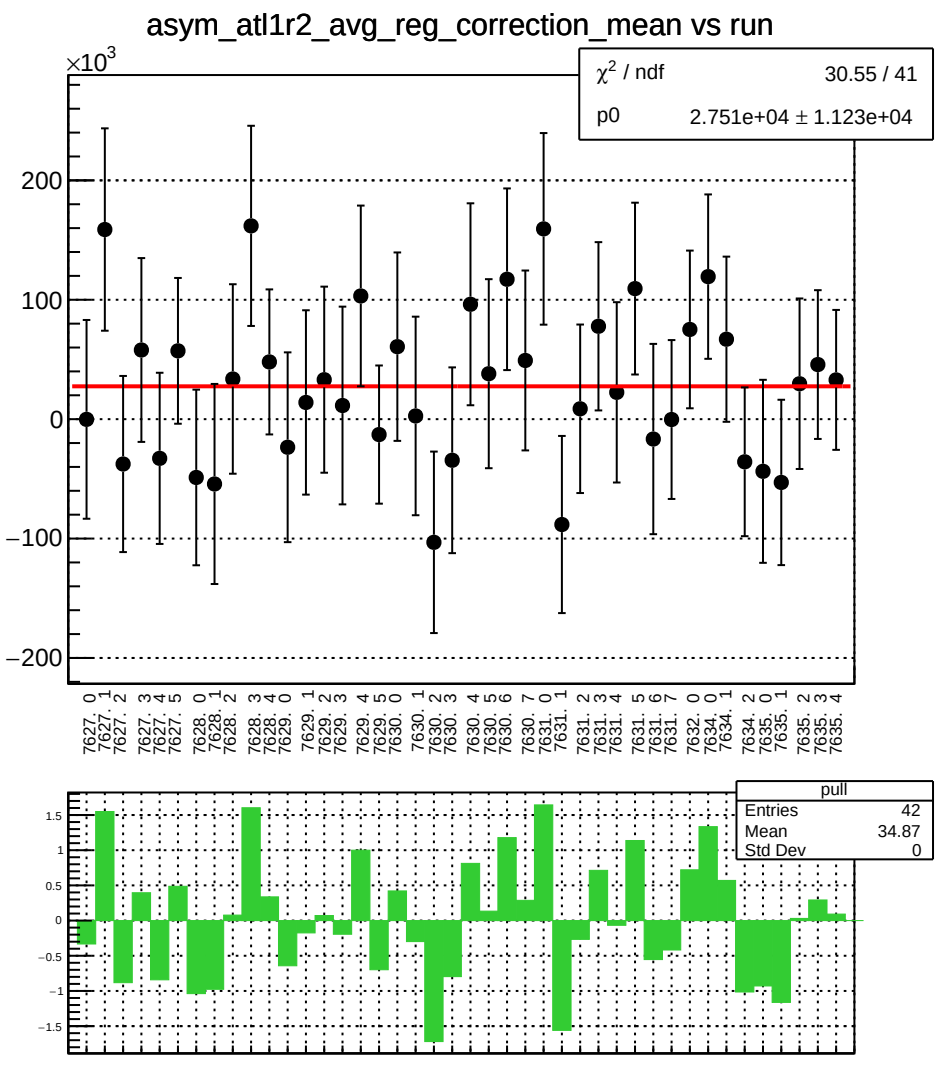

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.1 / 41
p0 1.993e−13 ± 3.308e−13
pull
Entries 42
Mean −24.16
Std Dev 0
pull1D
Entries 42
Mean −0.03971
Std Dev 1.113

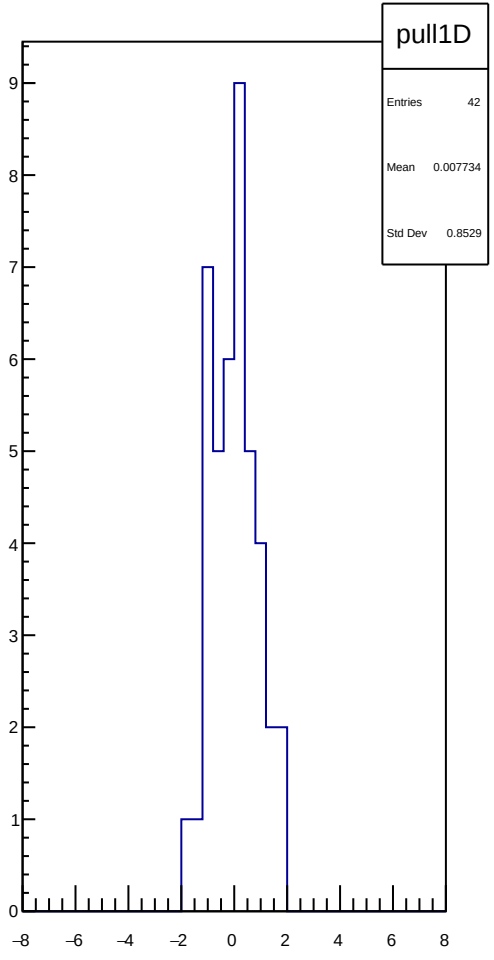

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.189e+05 / 41
p0 1.825e−10 ± 2.339e−13
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

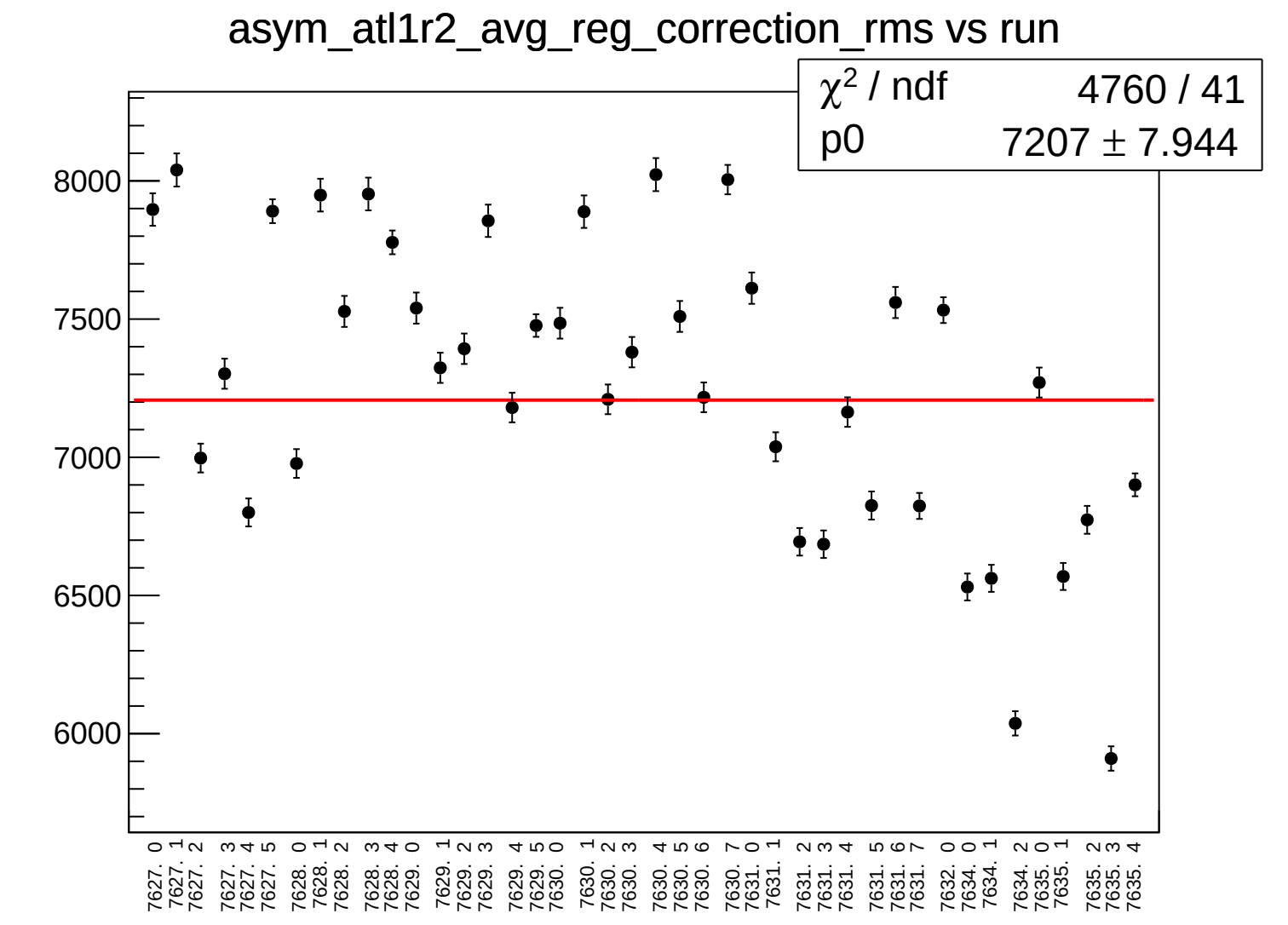

reg_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 58.94 / 41
p0 1360 ± 3024
pull
Entries 42
Mean 181.6
Std Dev 0

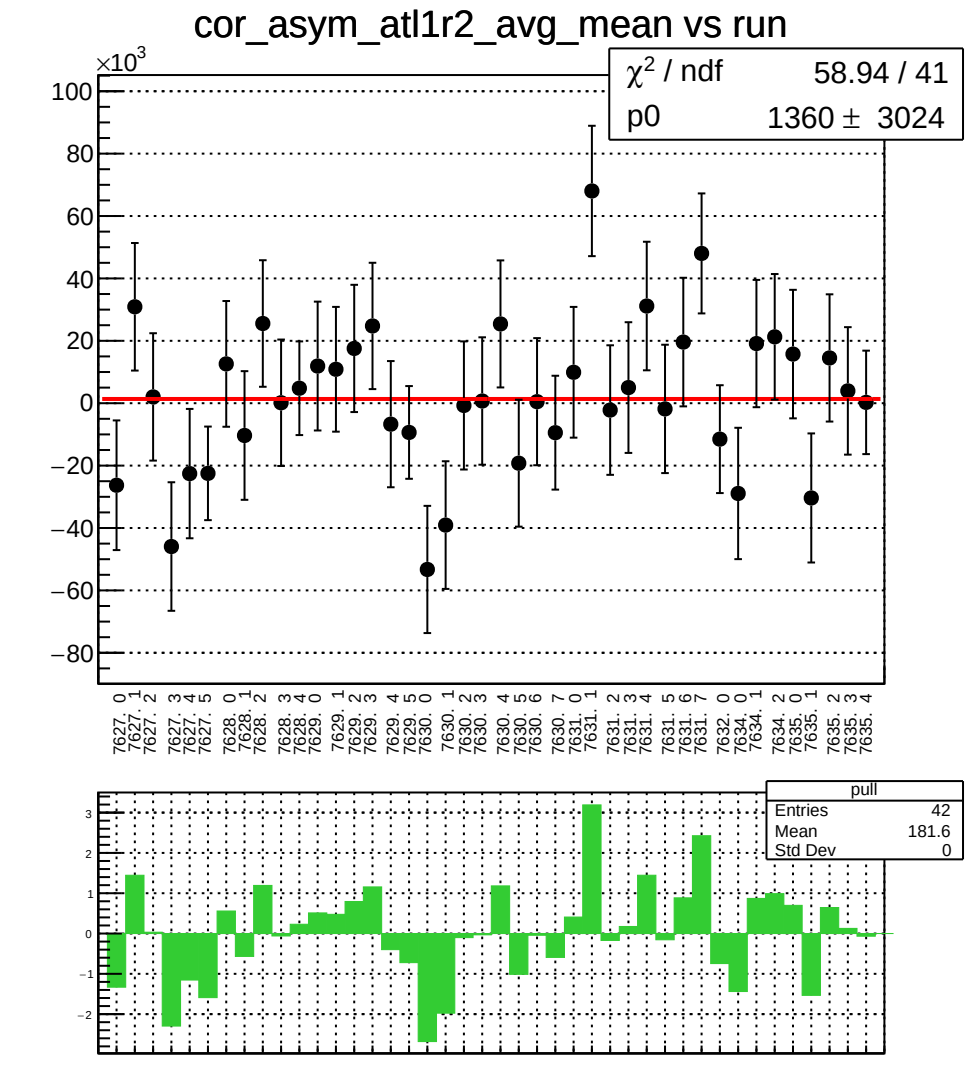

pull1D
Entries 42
Mean 0.01842
Std Dev 1.184

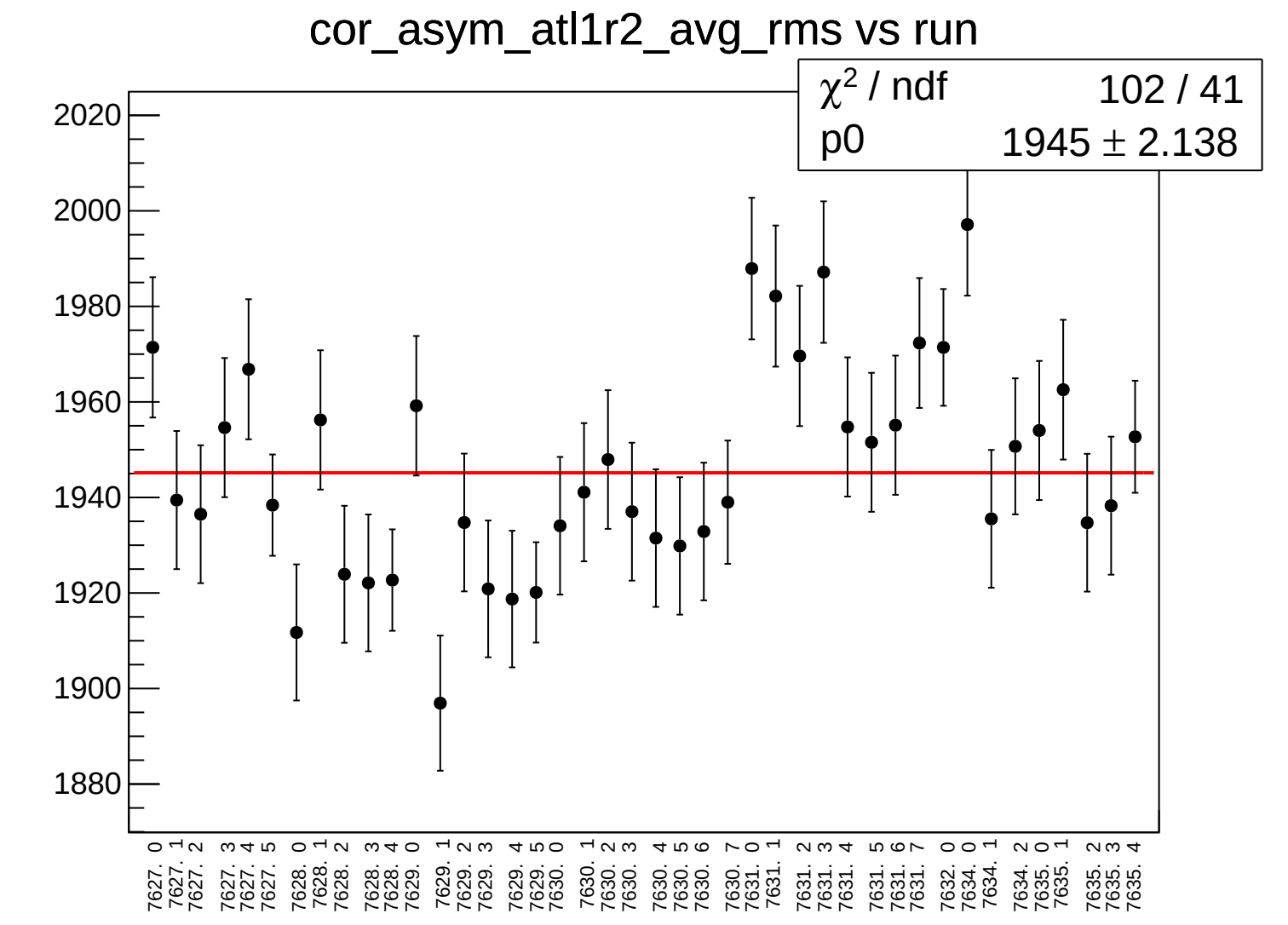

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 102 / 41
p0 1945 ± 2.138
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

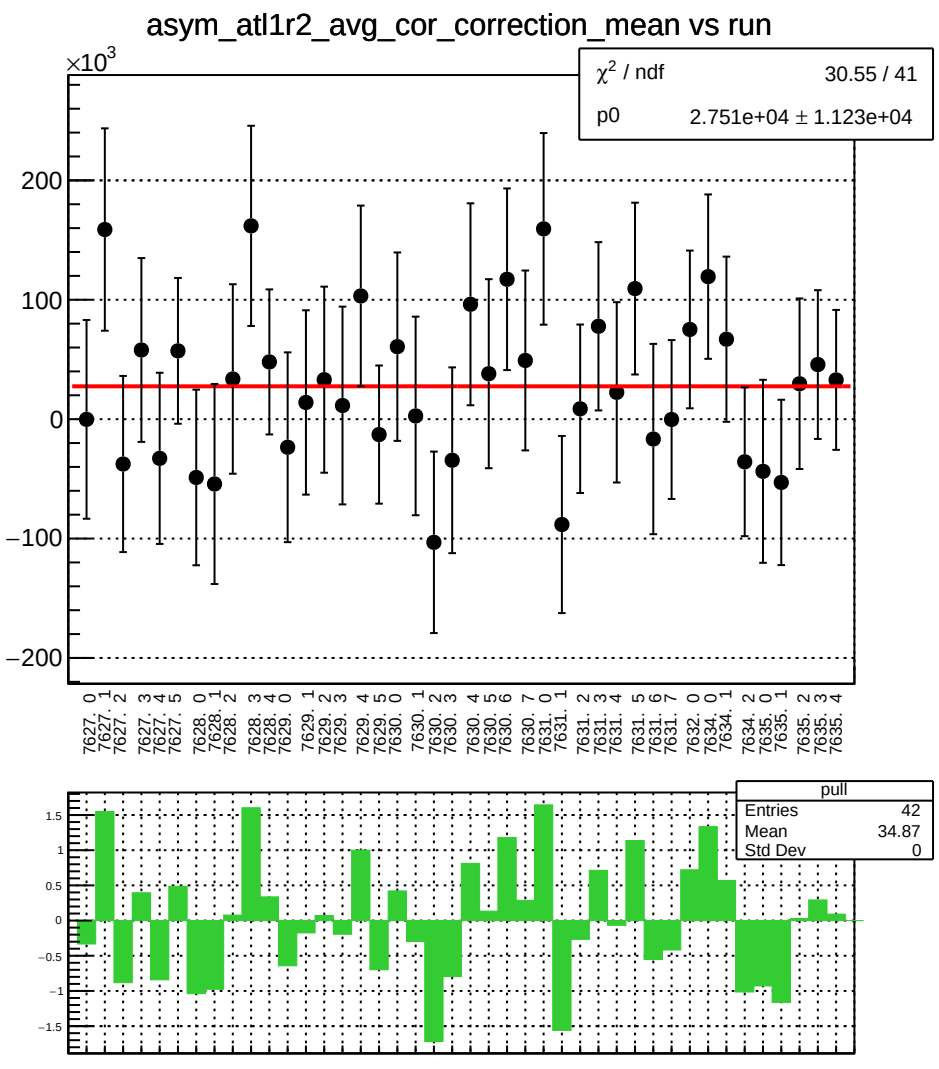

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 30.55 / 41
p0 2.751e+04 ± 1.123e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

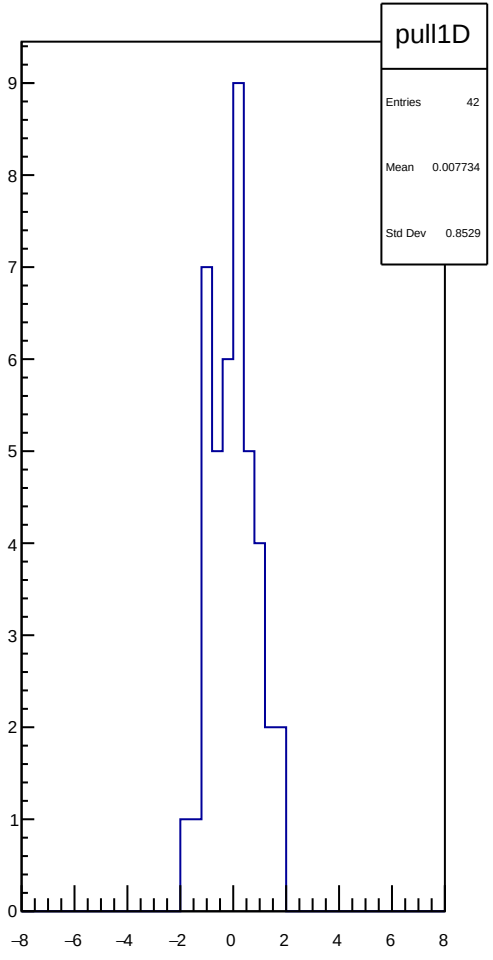

pull1D
Entries 42
Mean 0.007734
Std Dev 0.8529
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

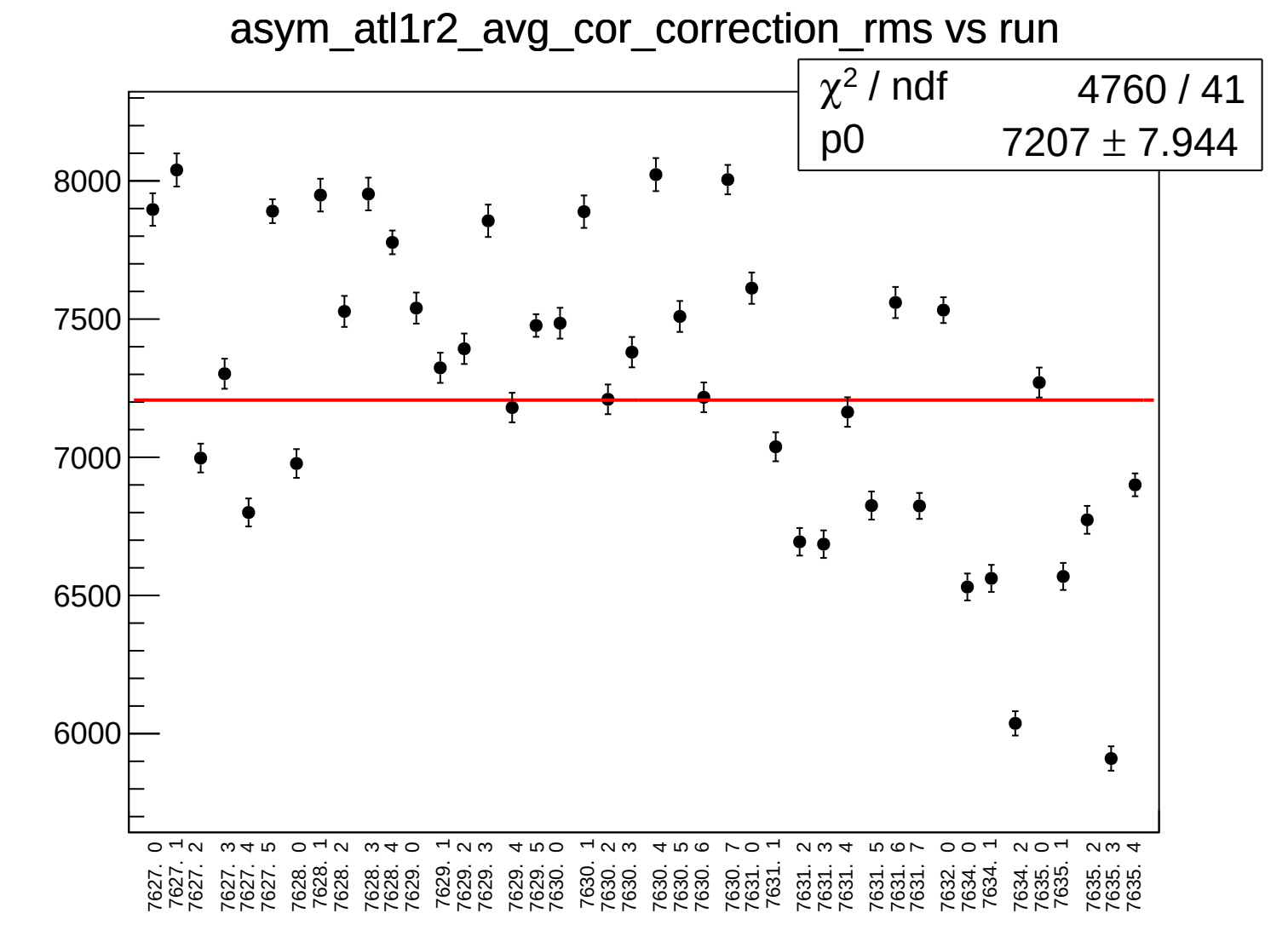

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 4760 / 41
p0 7207 ± 7.944
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

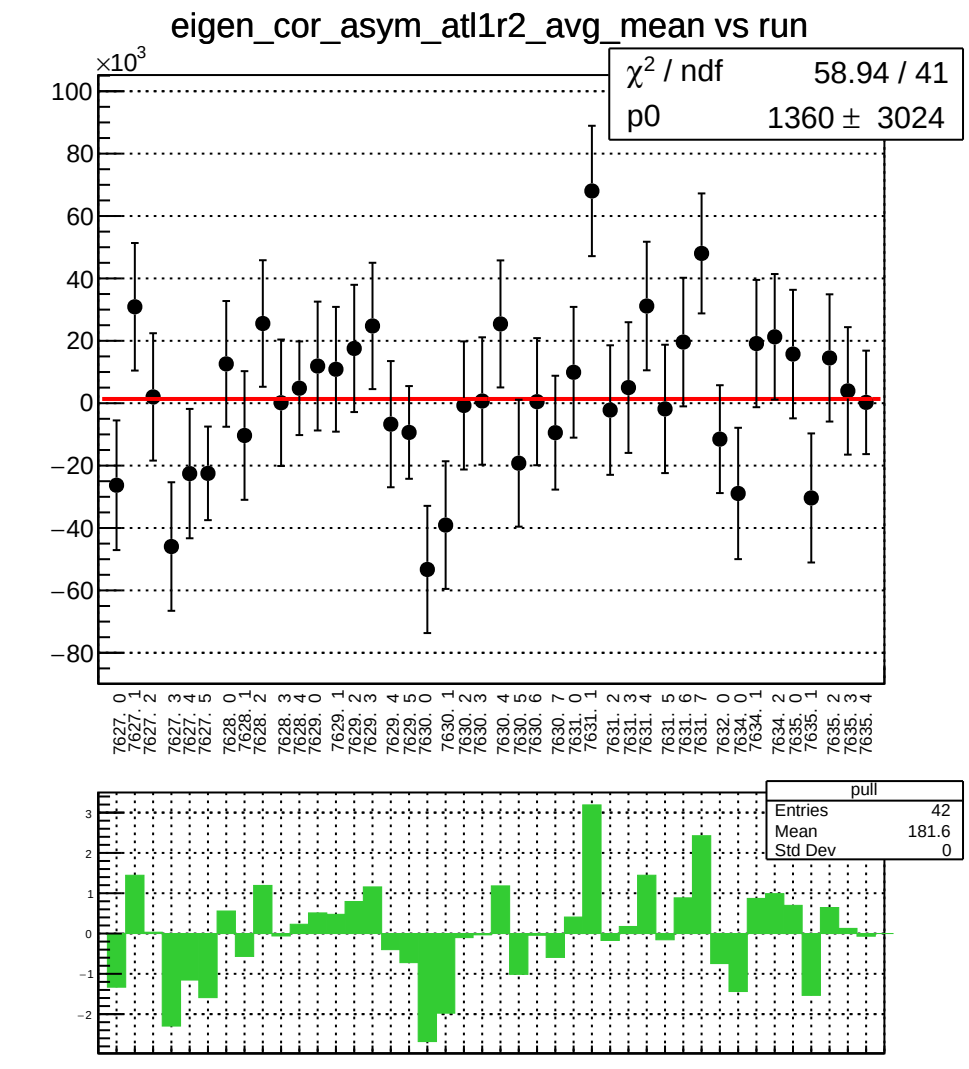

cor_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 58.94 / 41
p0 1360 ± 3024
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 181.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.01842
Std Dev 1.184
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 102 / 41
p0 1945 ± 2.138
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 30.55 / 41
p0 2.751e+04 ± 1.123e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.007734
Std Dev 0.8529
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 4760 / 41
p0 7207 ± 7.944
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 58.94 / 41
p0 1360 ± 3024
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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7629. 5
7630. 0
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7630. 7
7631. 0
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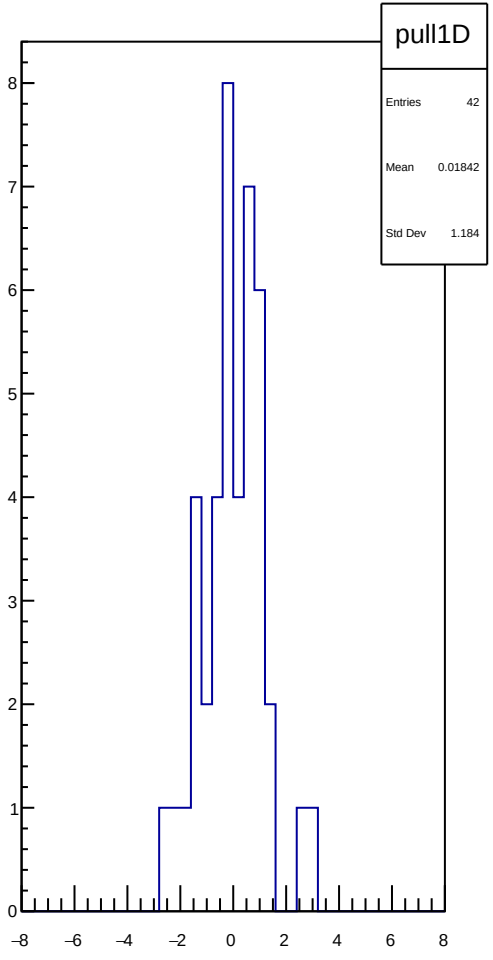
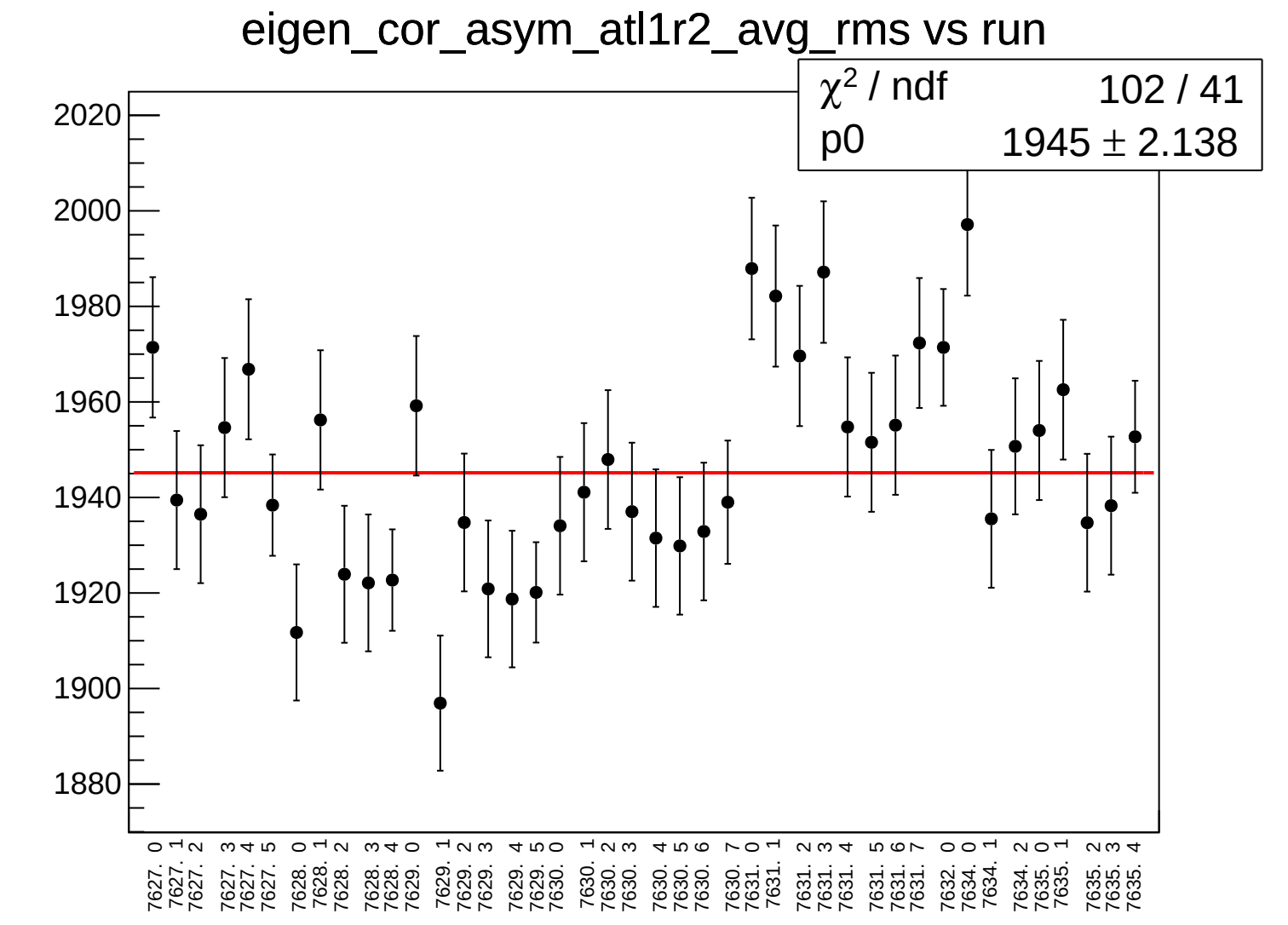
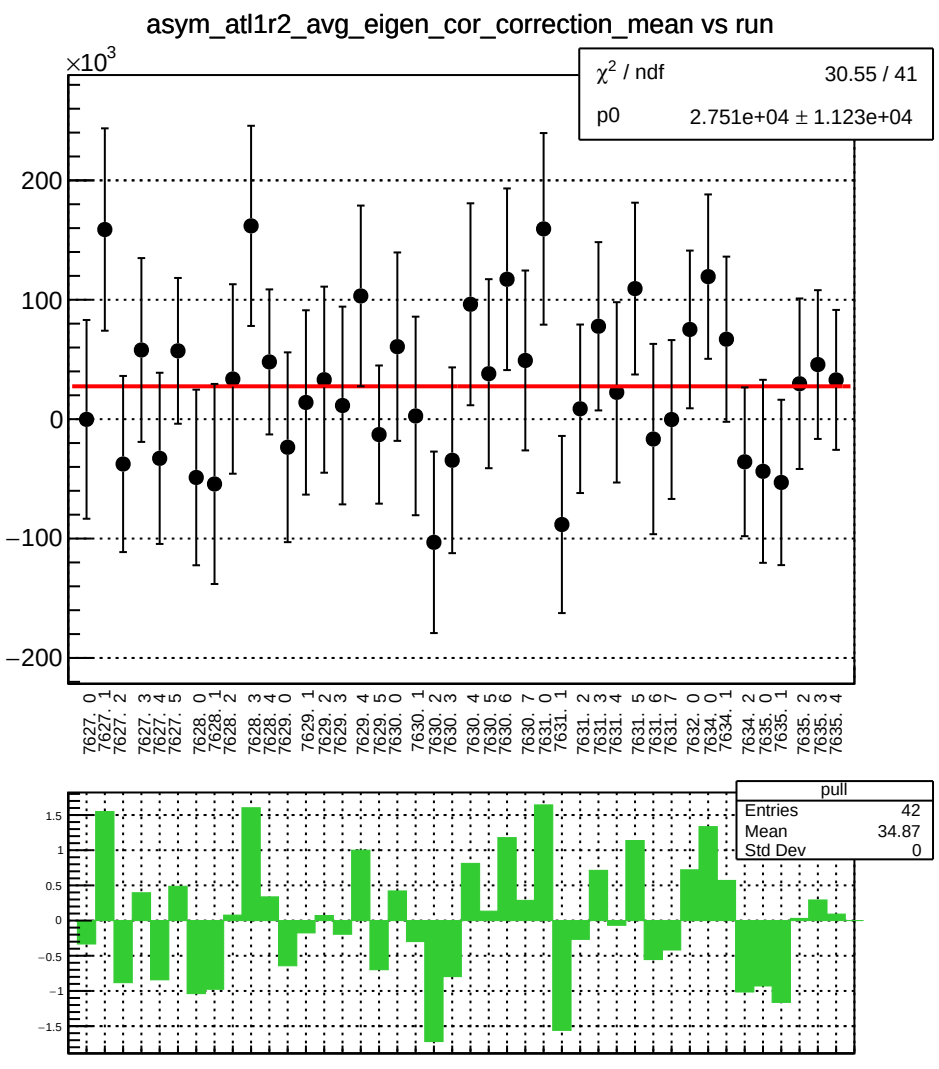
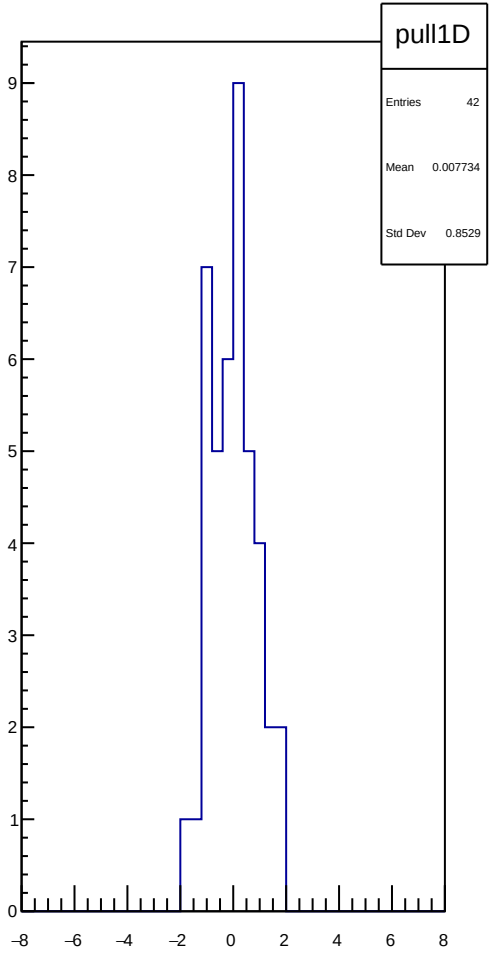
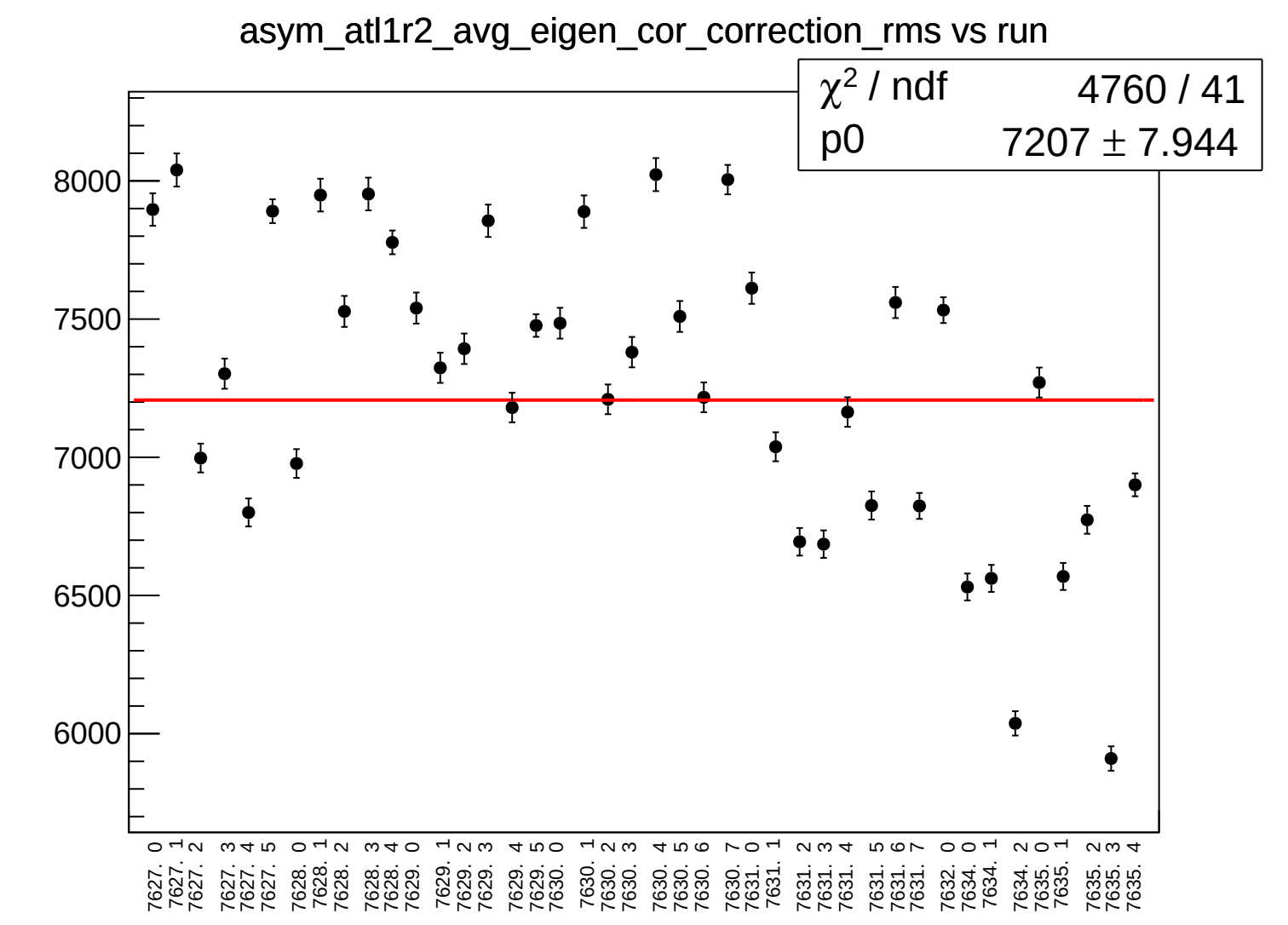
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 181.6
Std Dev 0
3
2
1
0
−1
−2

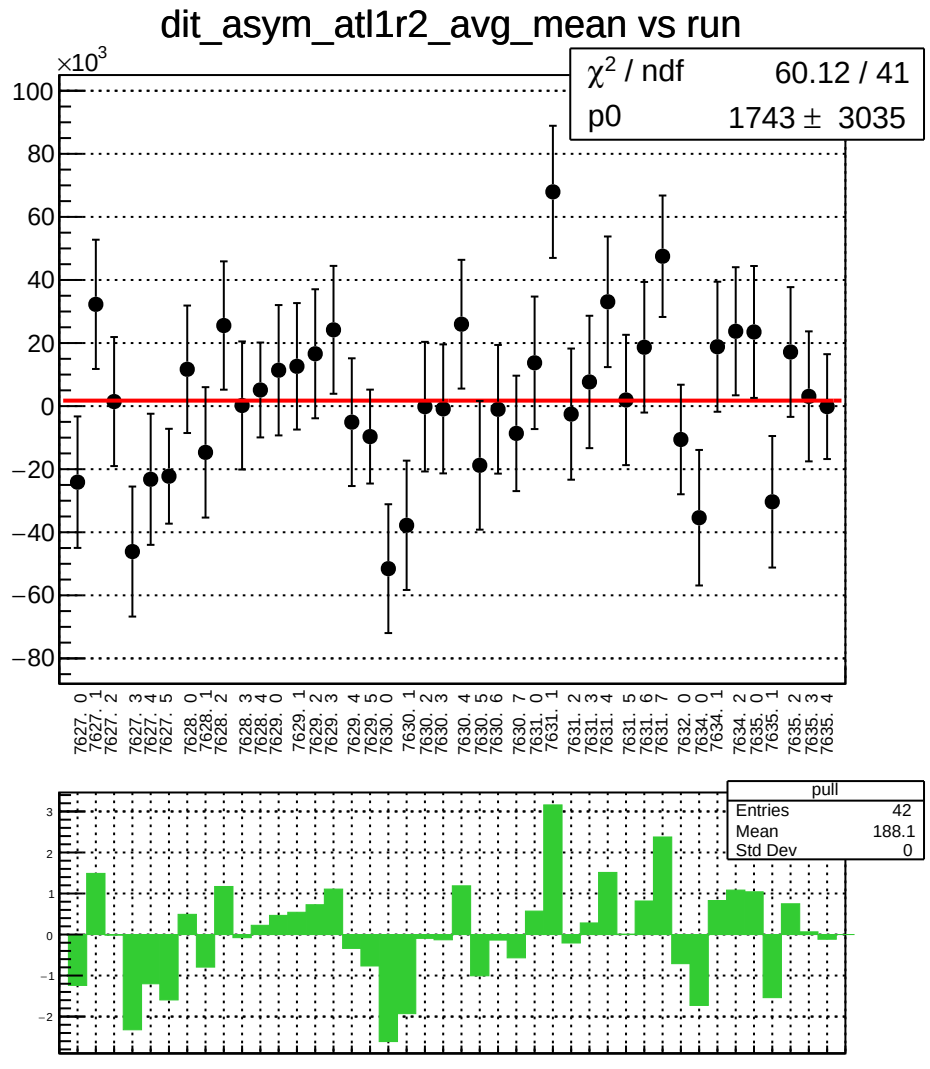

pull1D
Entries 42
Mean 0.01842
Std Dev 1.184
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

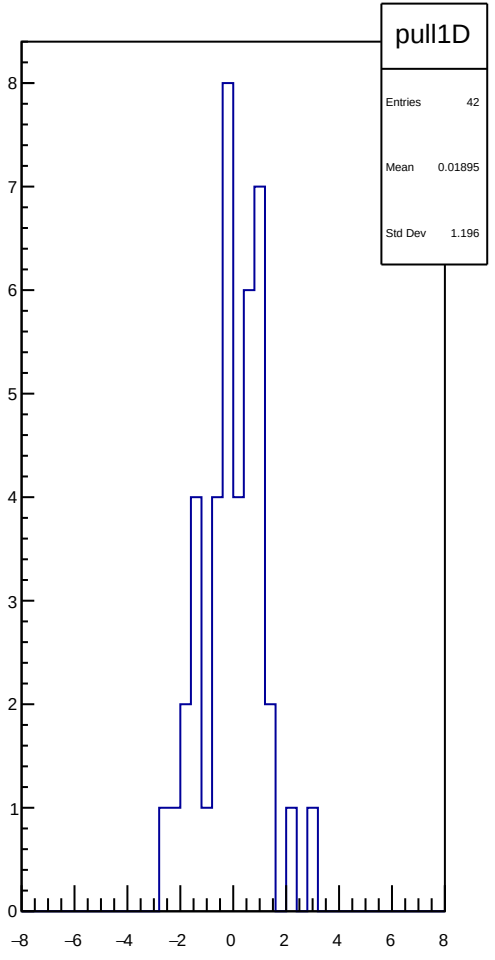

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 102 / 41
p0 1945 ± 2.138
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

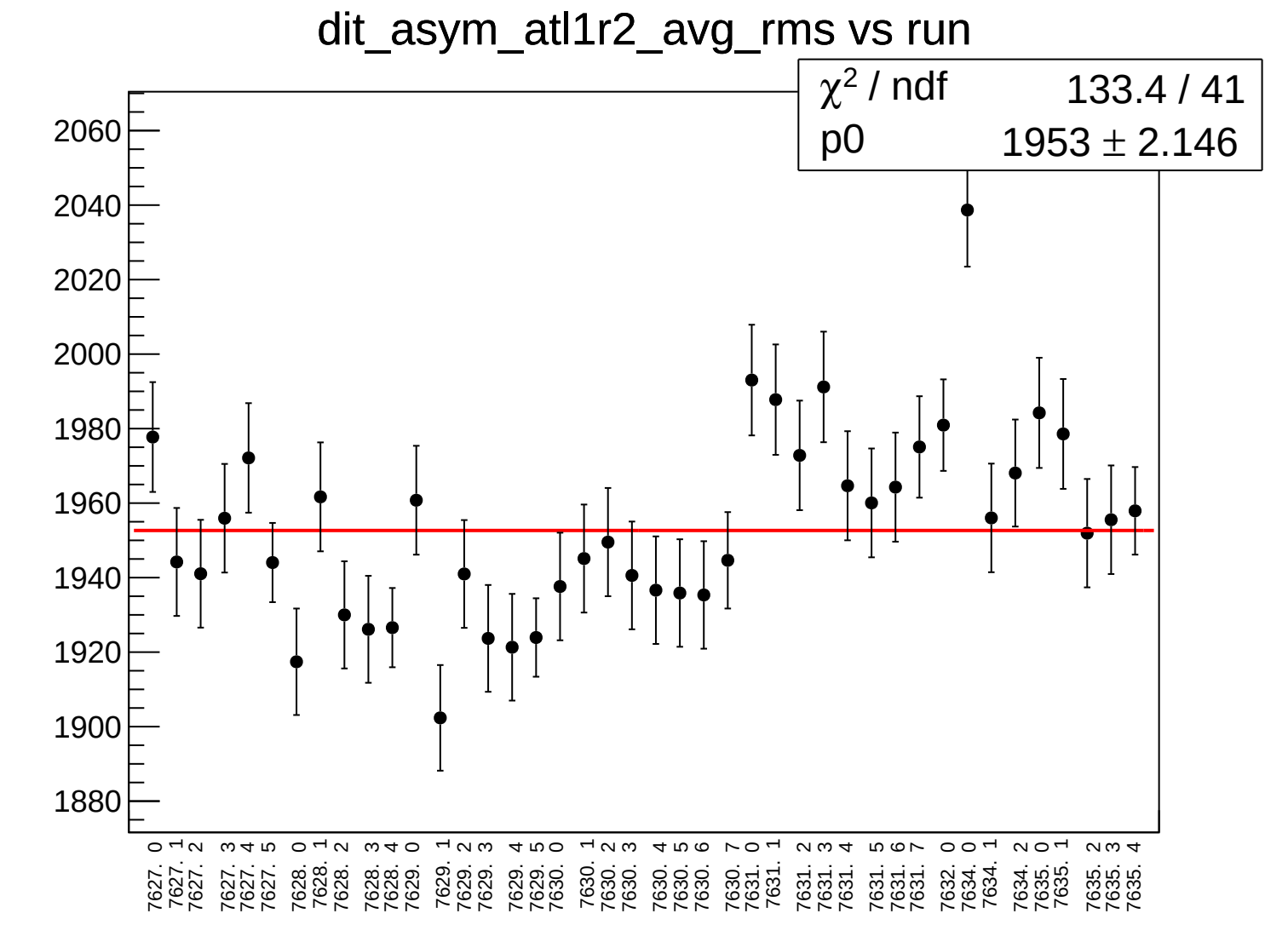

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.55 / 41
p0 2.751e+04 ± 1.123e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

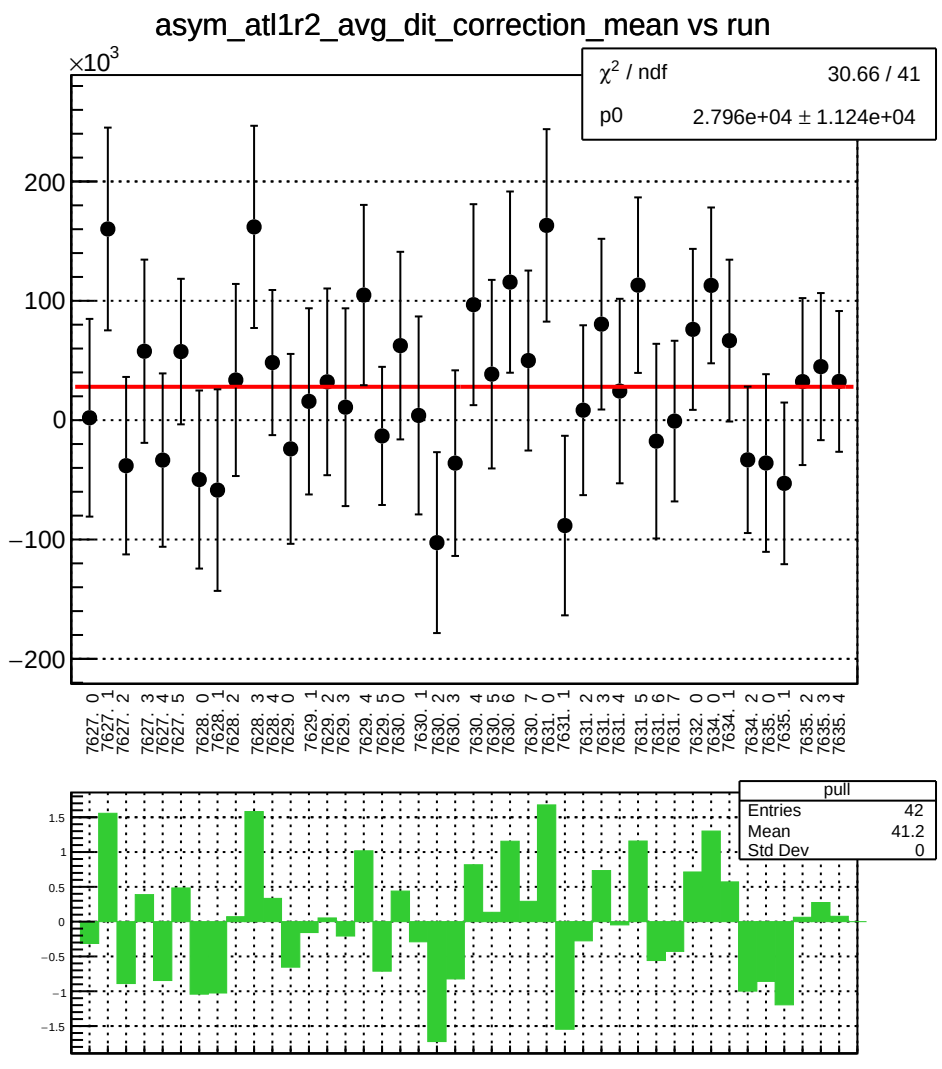

pull1D
Entries 42
Mean 0.007734
Std Dev 0.8529
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

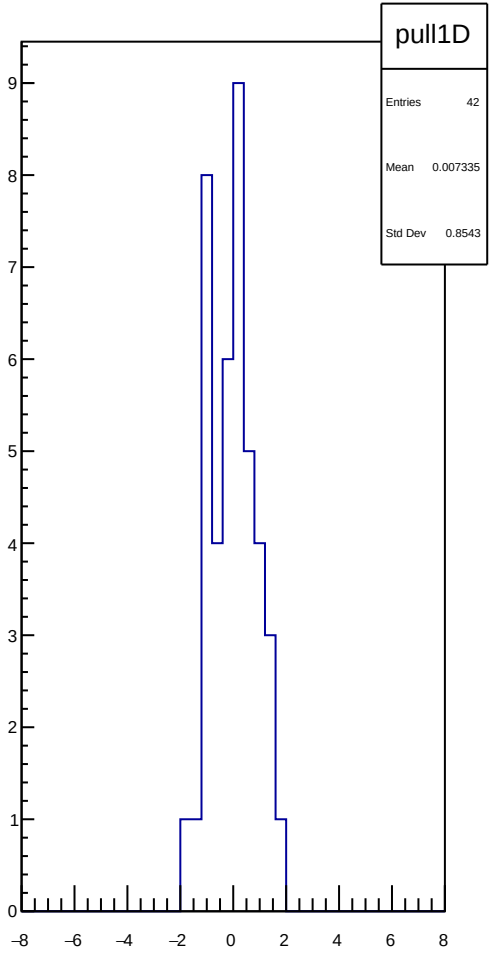

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4760 / 41
p0 7207 ± 7.944
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

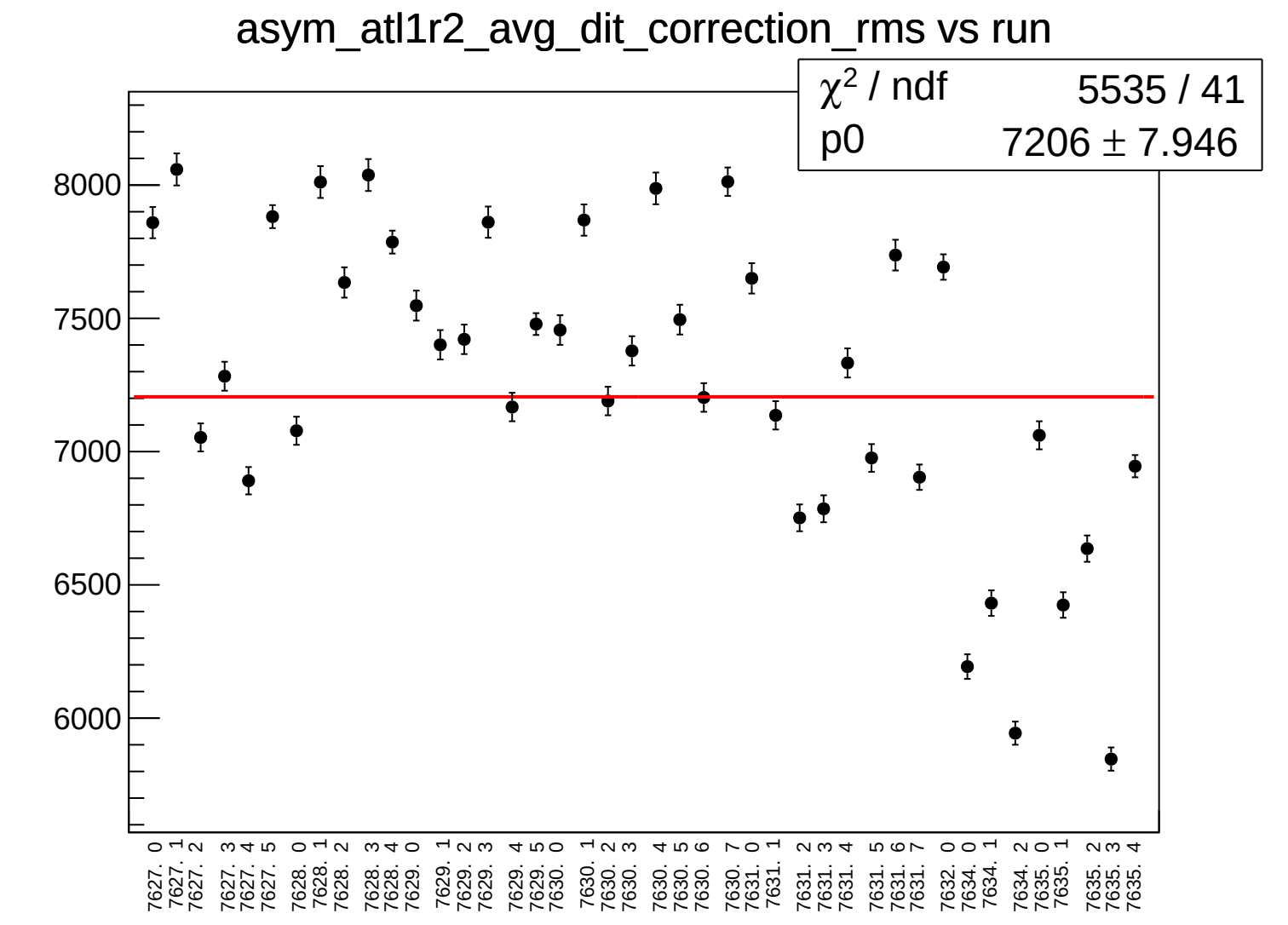

dit_asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 60.12 / 41
p0 1743 ± 3035
pull
Entries 42
Mean 188.1
Std Dev 0

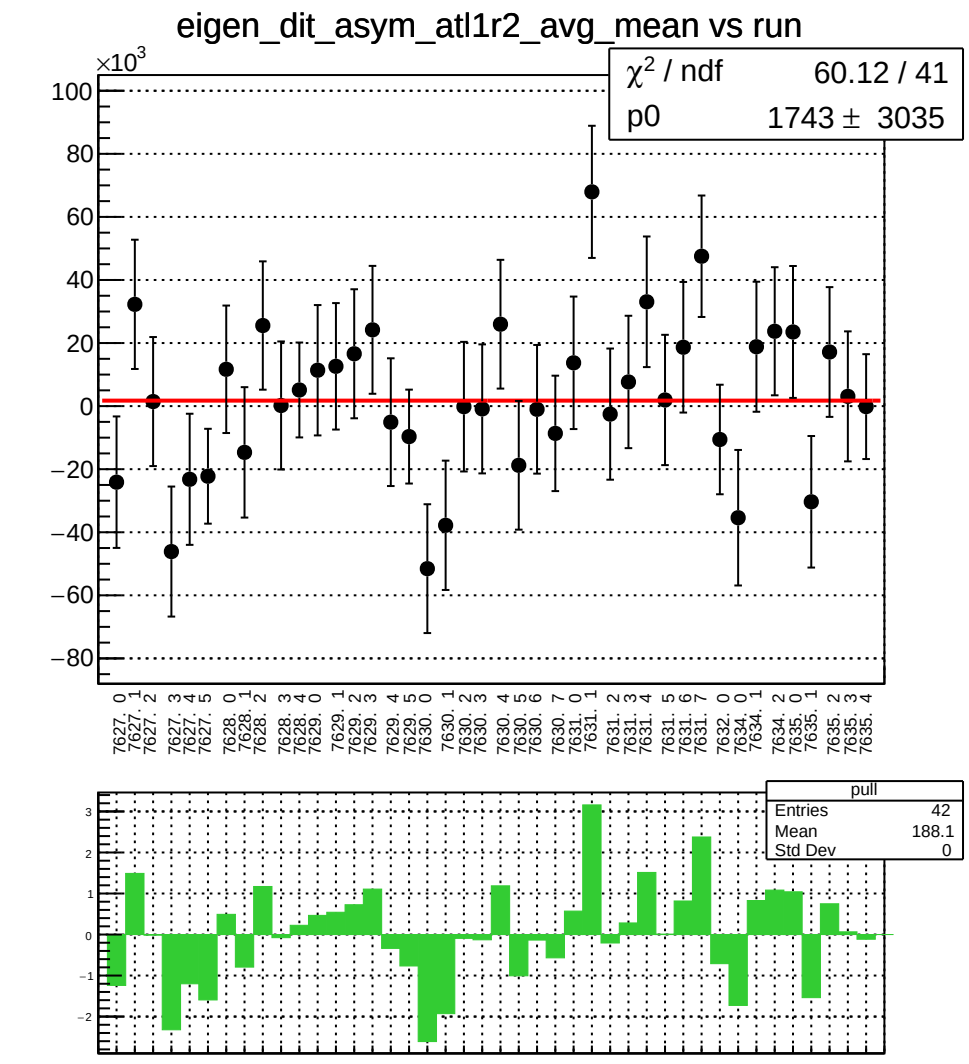

pull1D
Entries 42
Mean 0.01895
Std Dev 1.196

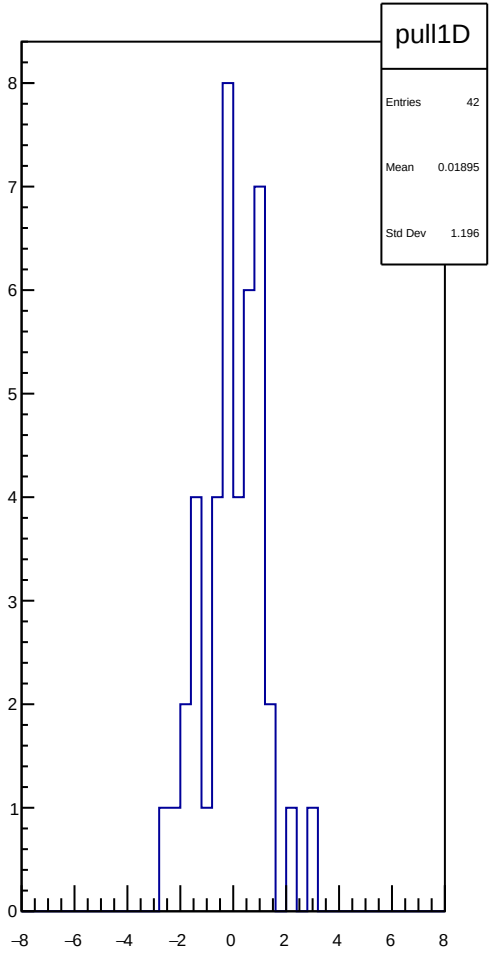

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 133.4 / 41
p0 1953 ± 2.146
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

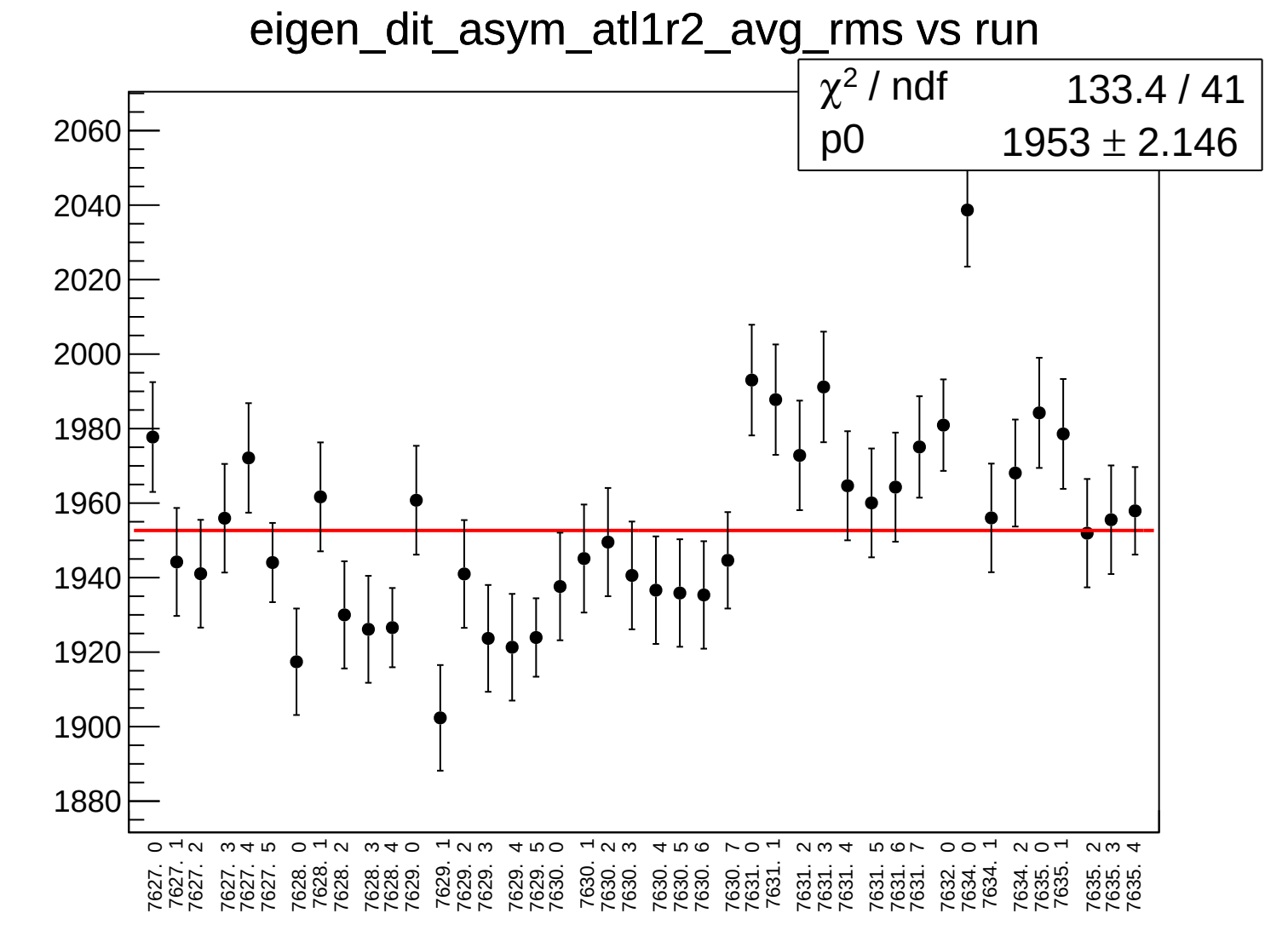

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 30.66 / 41
p0 2.796e+04 ± 1.124e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 41.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

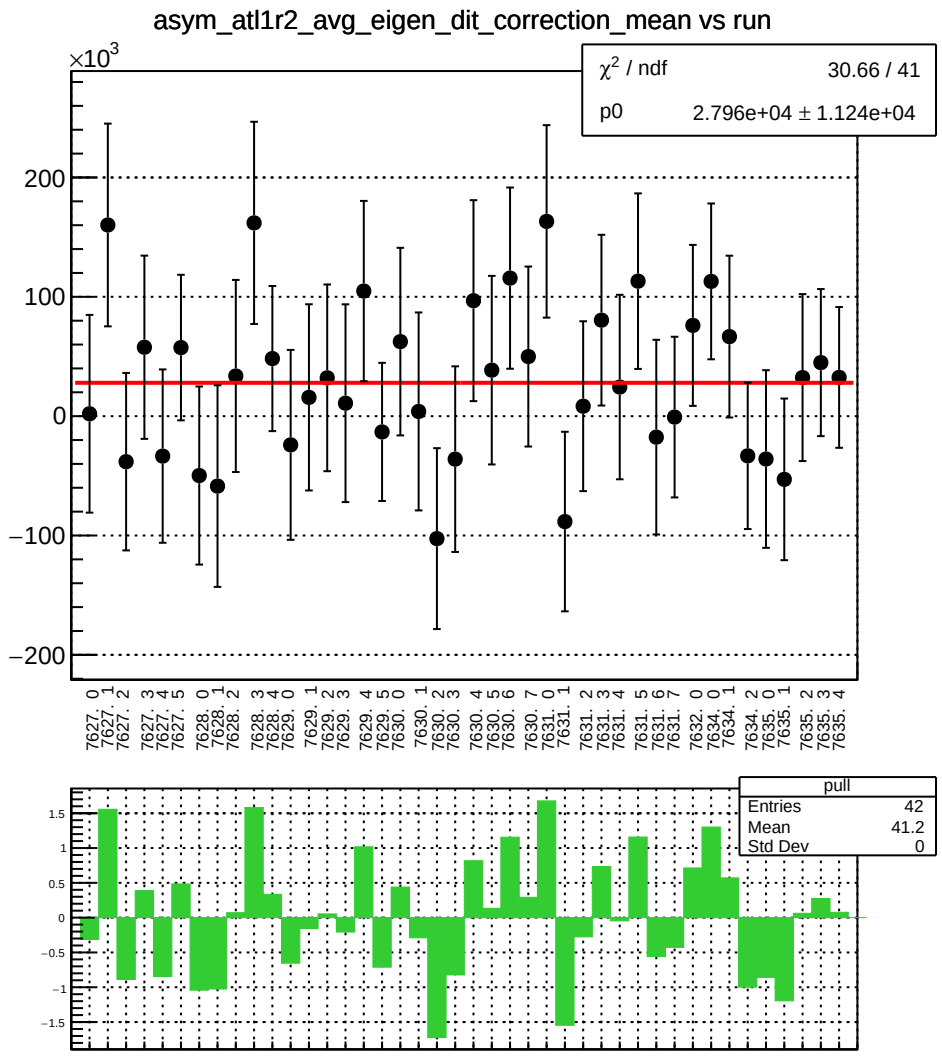

pull1D
Entries 42
Mean 0.007335
Std Dev 0.8543
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

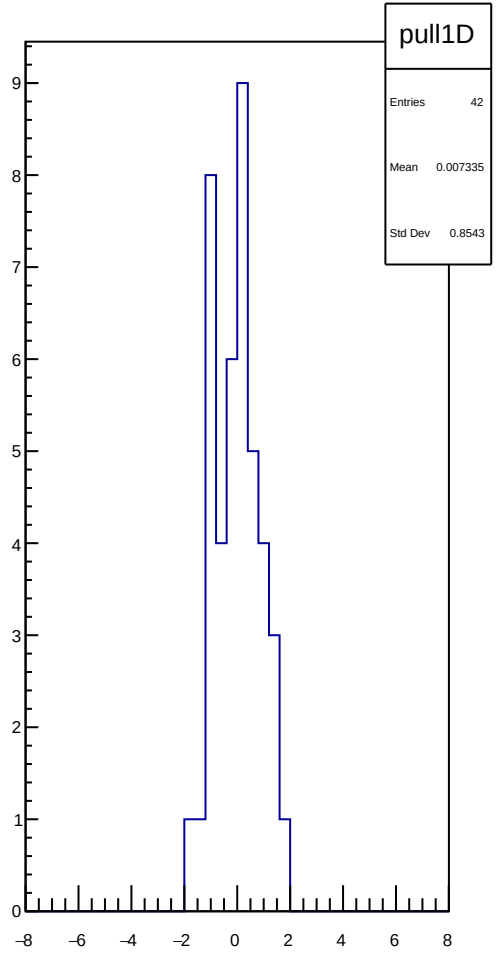

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 5535 / 41
p0 7206 ± 7.946
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

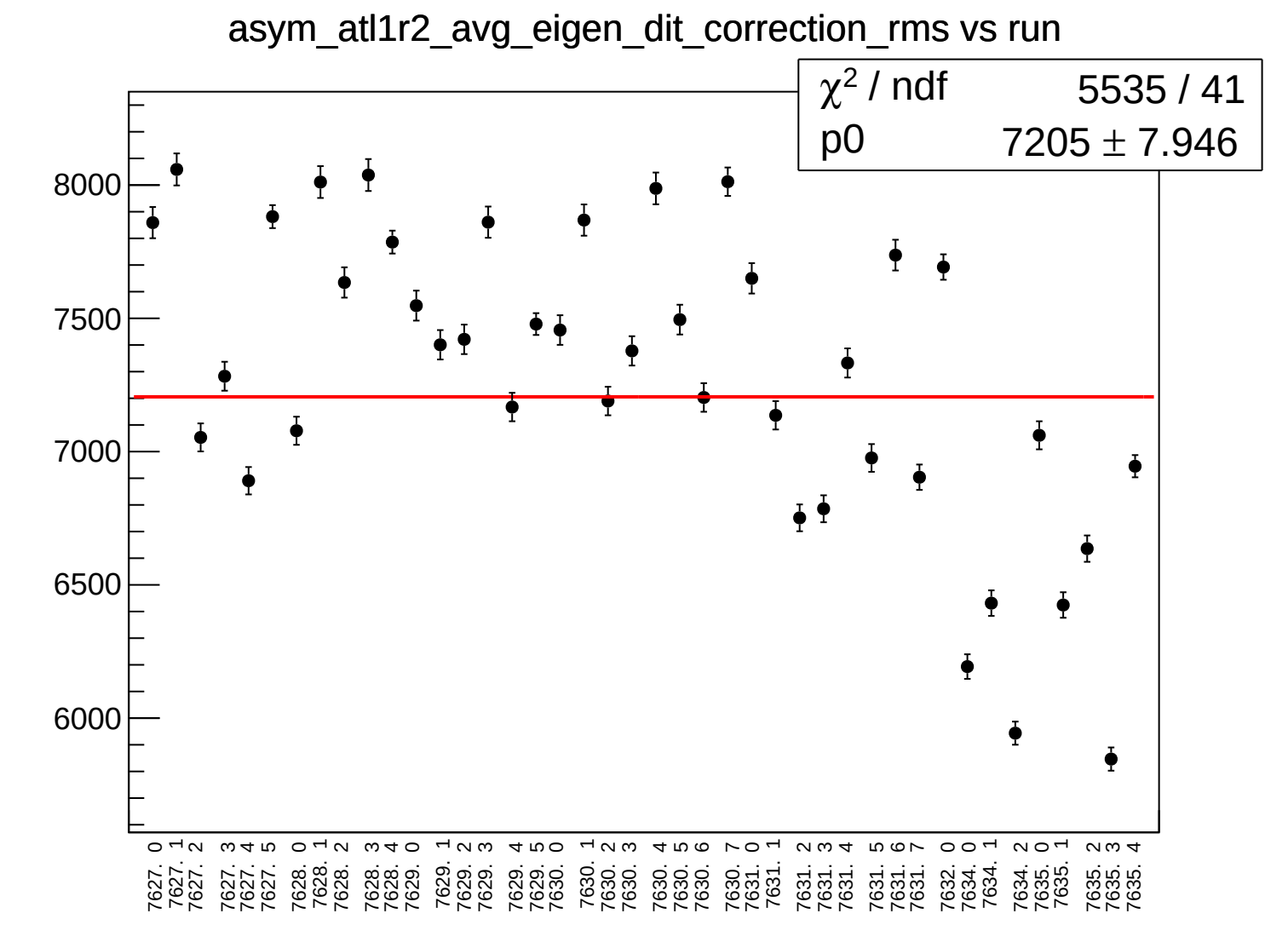

eigen_dit_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 60.12 / 41
p0 1743 ± 3035
pull
Entries 42
Mean 188.1
Std Dev 0

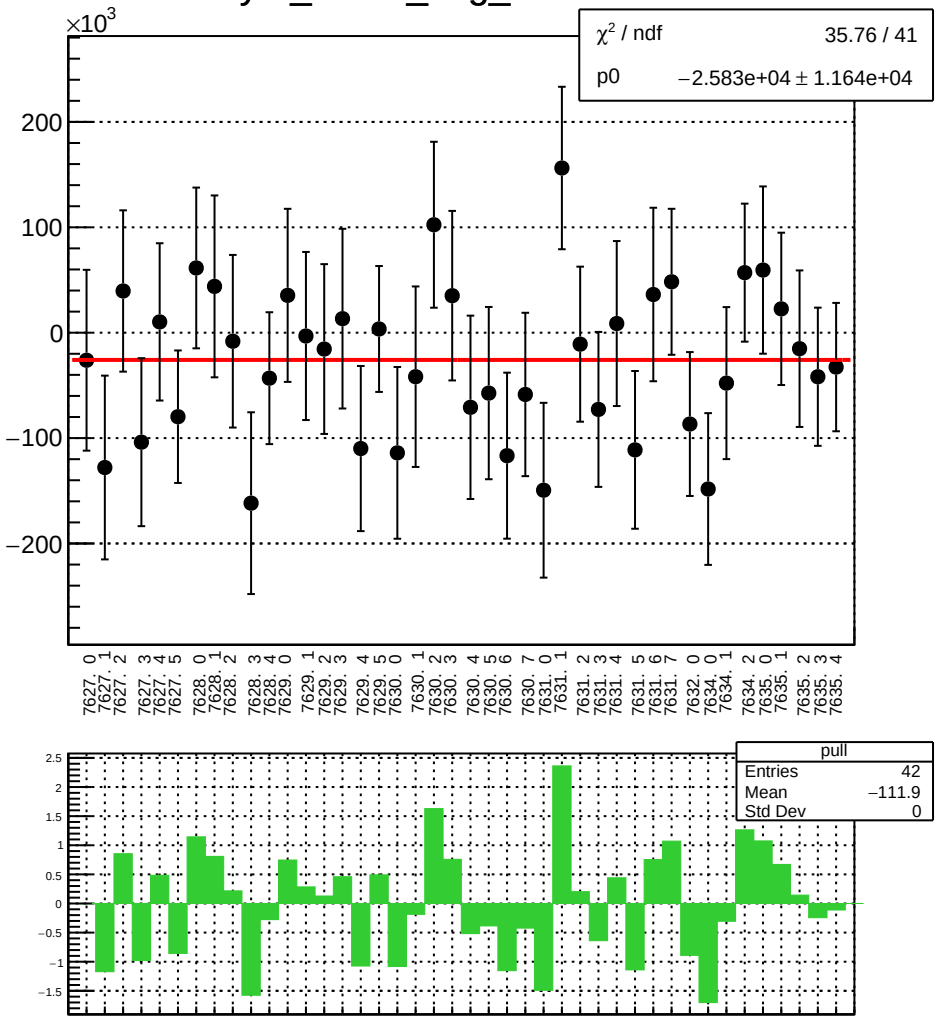

pull1D
Entries 42
Mean 0.01895
Std Dev 1.196

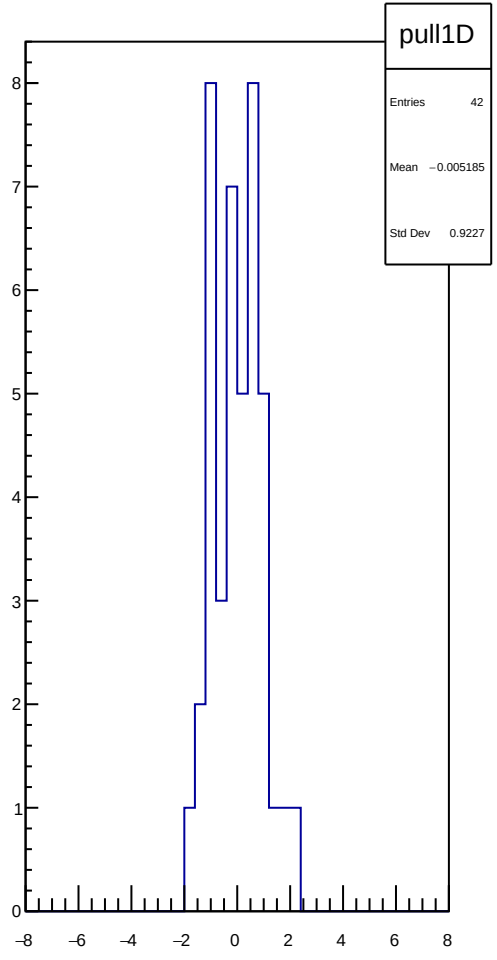

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 133.4 / 41
p0 1953 ± 2.146
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

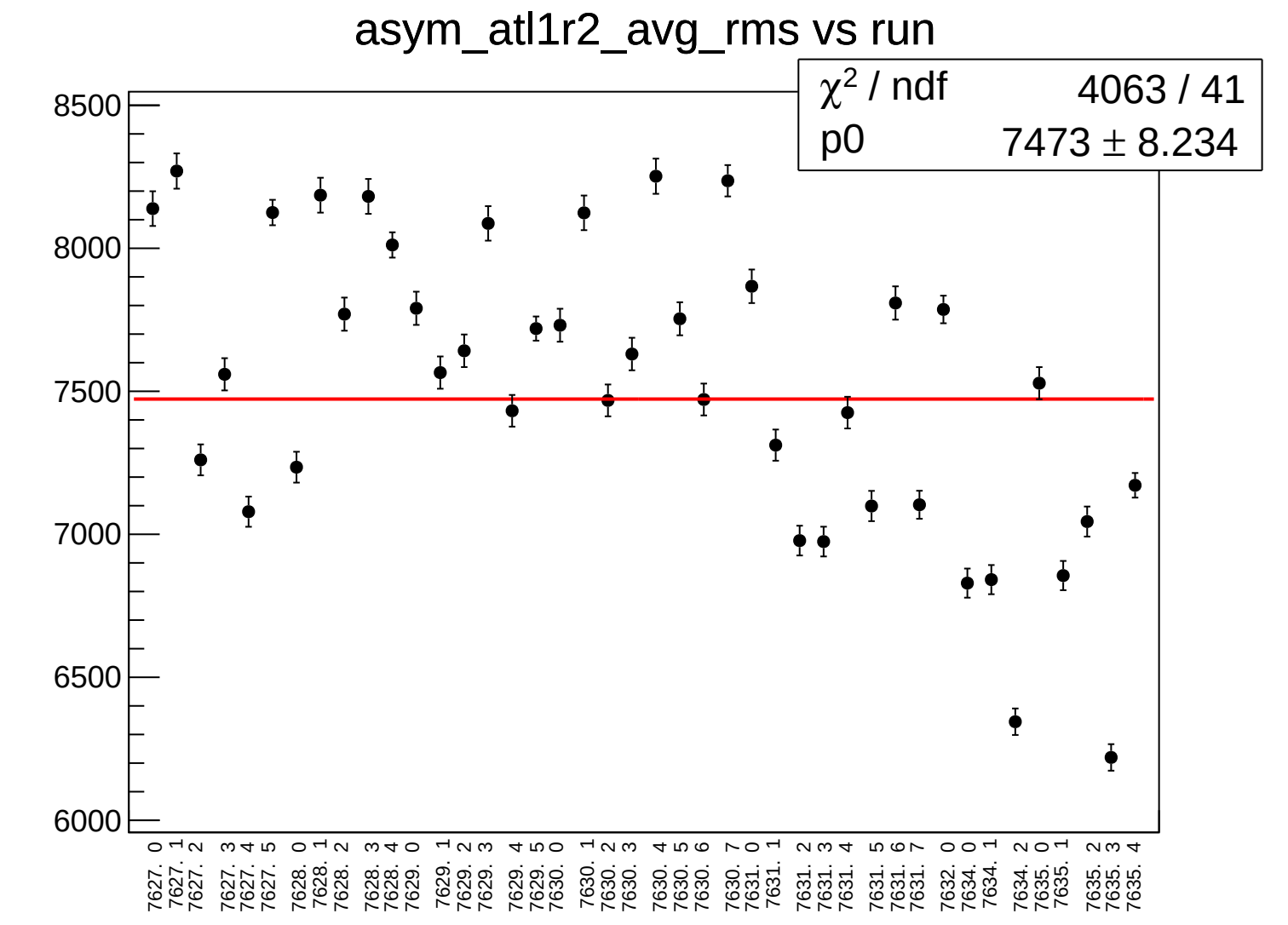

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.66 / 41
p0 2.796e+04 ± 1.124e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 41.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

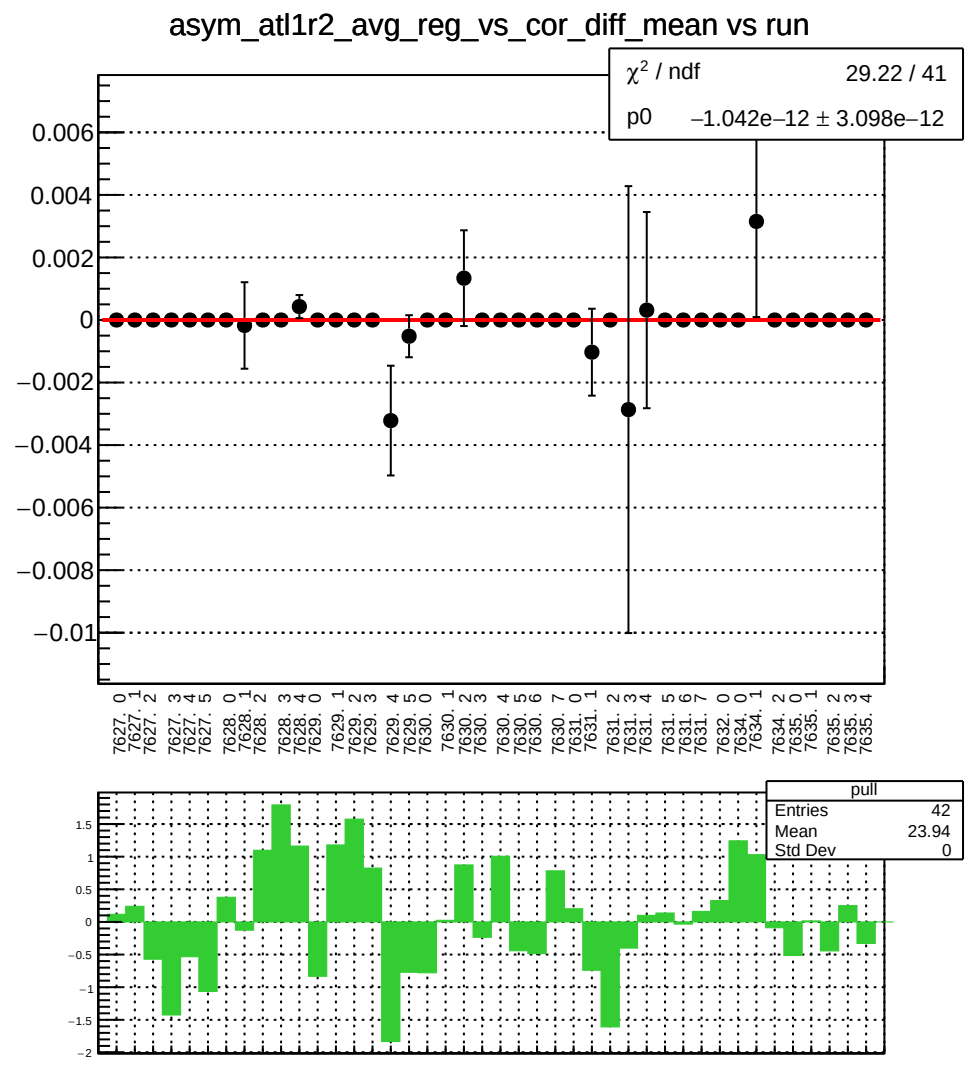

pull1D
Entries 42
Mean 0.007335
Std Dev 0.8543
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

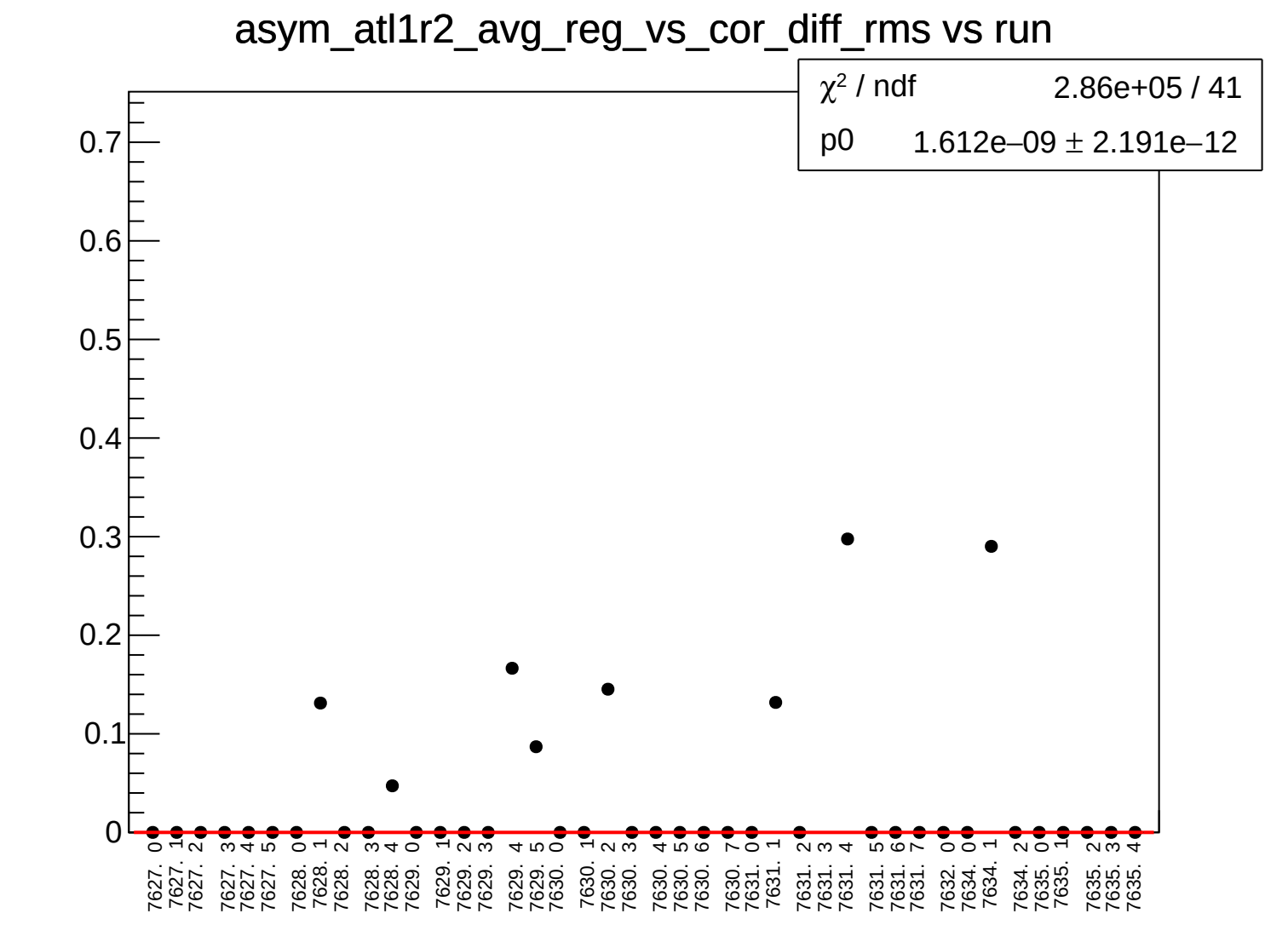

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 5535 / 41
p0 7205 ± 7.946
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

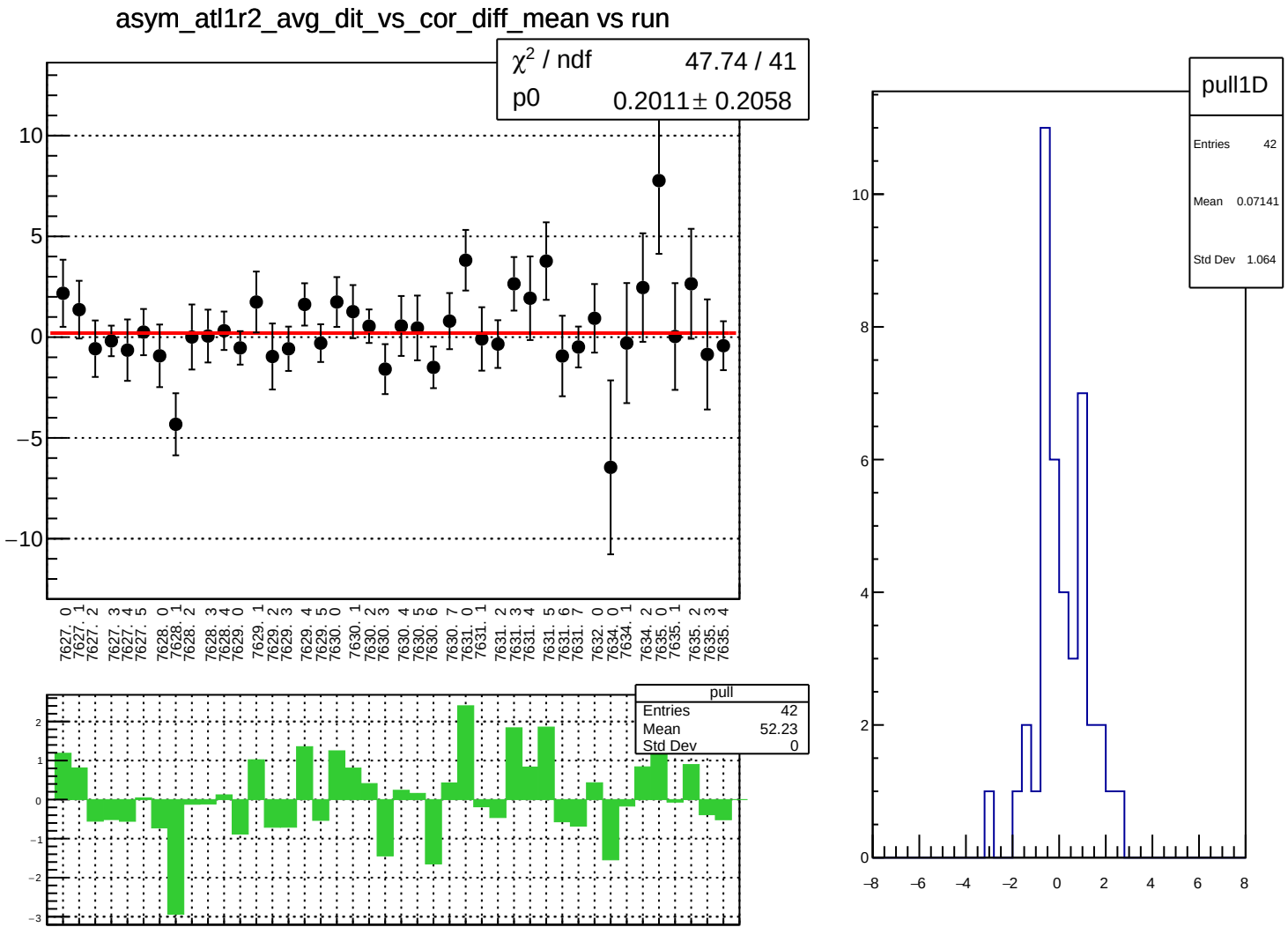

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 35.76 / 41
p0 −2.583e+04 ± 1.164e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −111.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

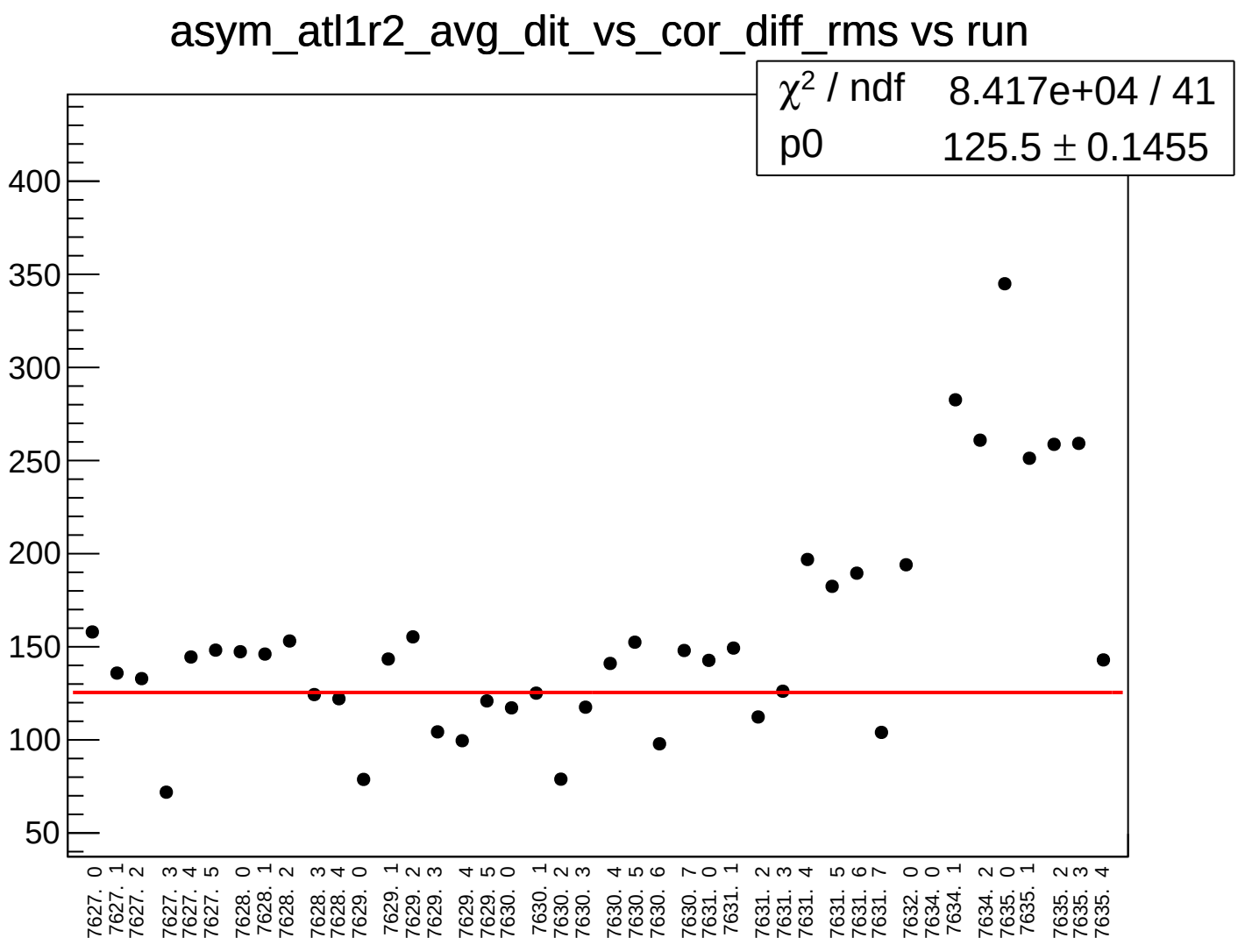

pull1D
Entries 42
Mean −0.005185
Std Dev 0.9227
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

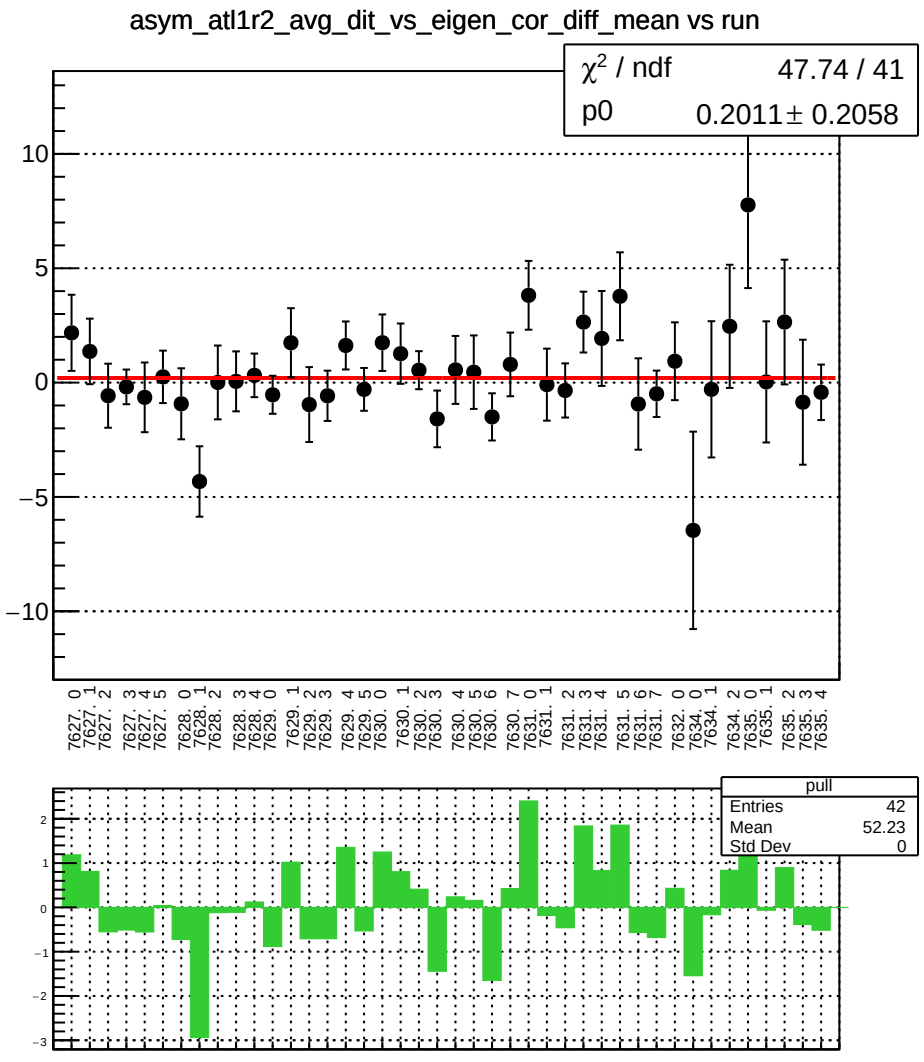

asym_atl1r2_avg_rms vs run
χ² / ndf 4063 / 41
p0 7473 ± 8.234
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

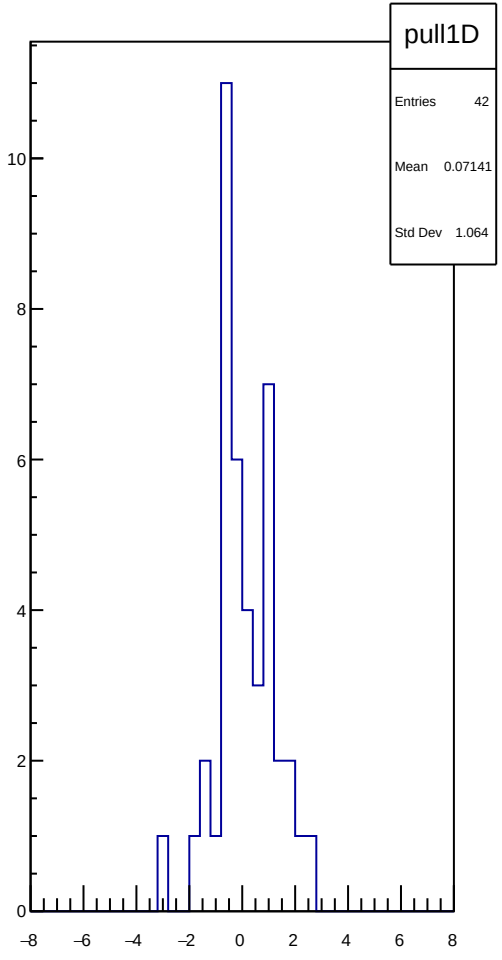

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 29.22 / 41
p0 −1.042e−12 ± 3.098e−12
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 23.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.02997
Std Dev 0.8335
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

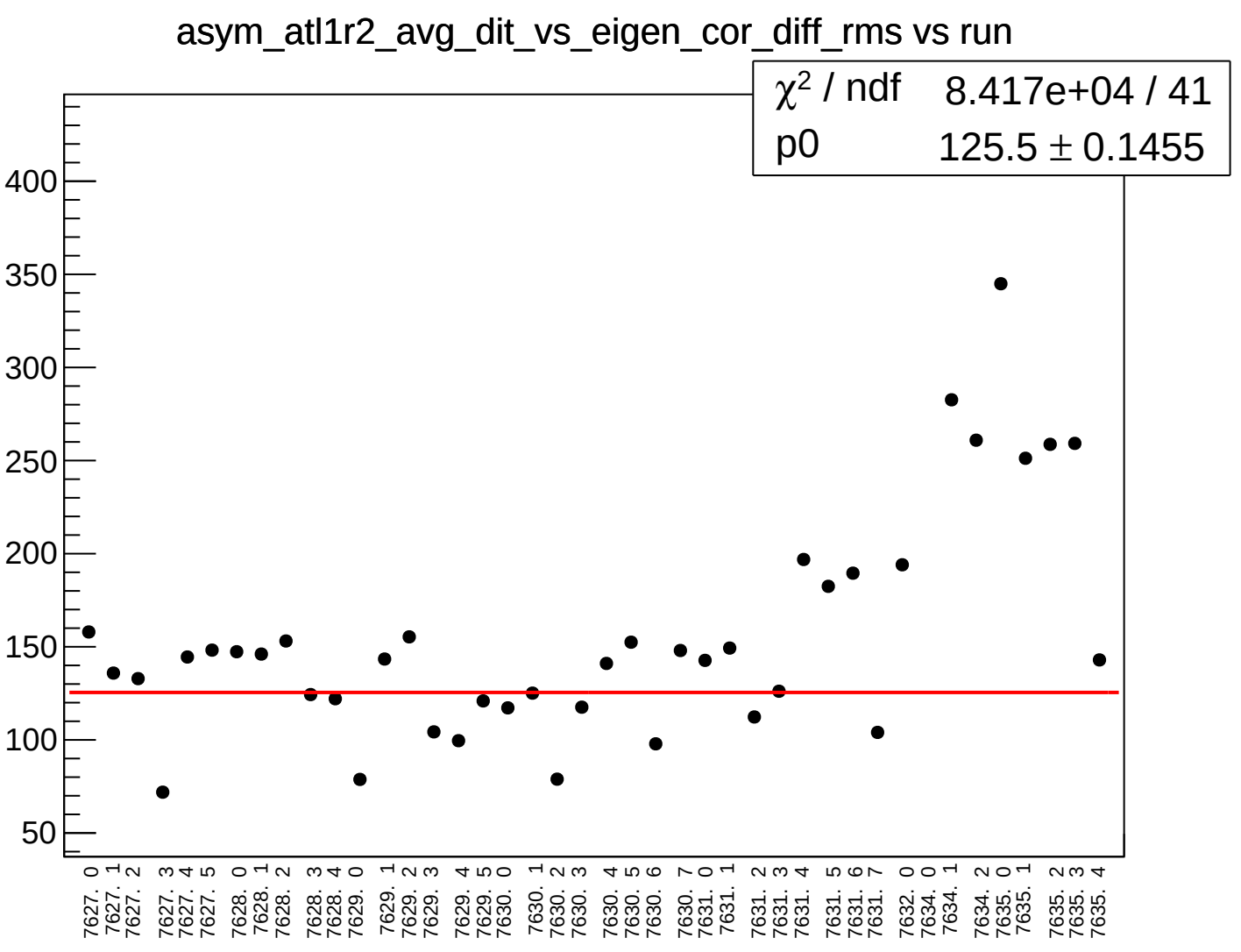

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.86e+05 / 41
p0 1.612e−09 ± 2.191e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

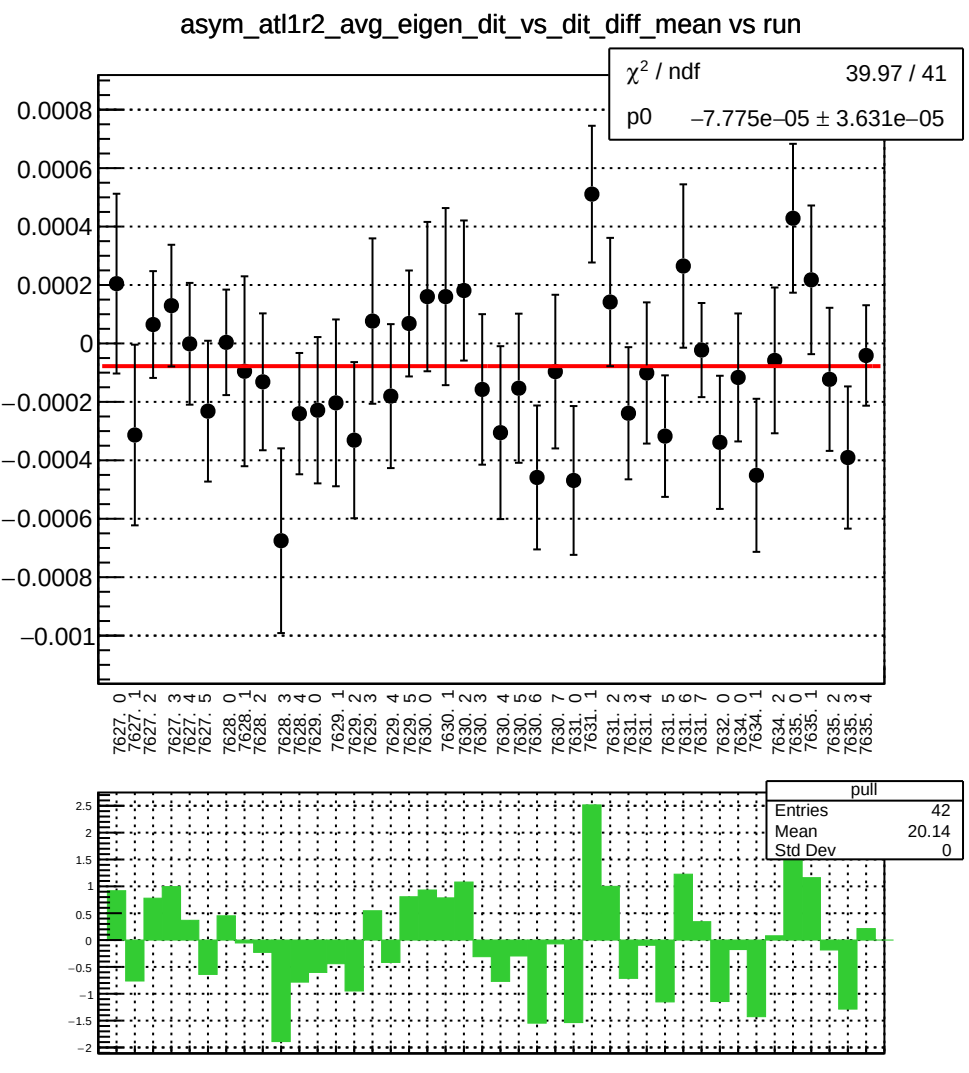

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.74 / 41
p0 0.2011 ± 0.2058
pull
Entries 42
Mean 52.23
Std Dev 0
pull1D
Entries 42
Mean 0.07141
Std Dev 1.064

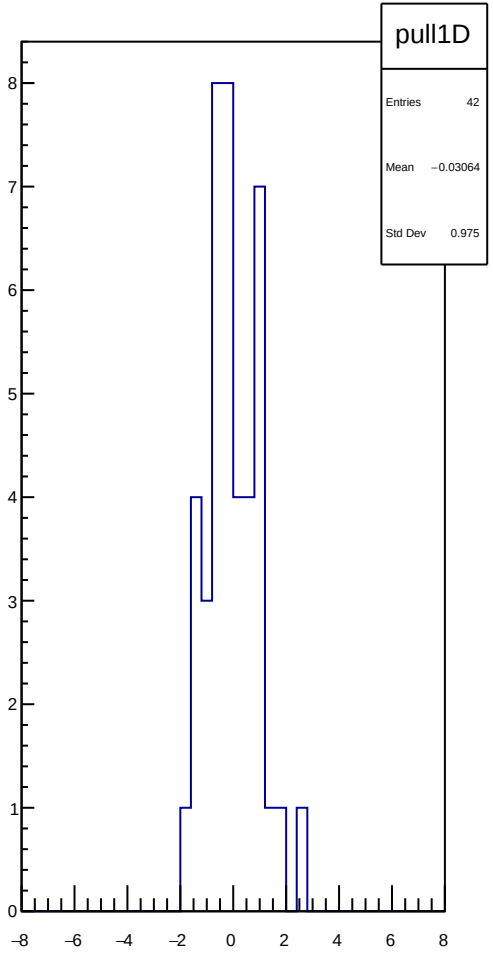

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.417e+04 / 41
p0 125.5 ± 0.1455
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

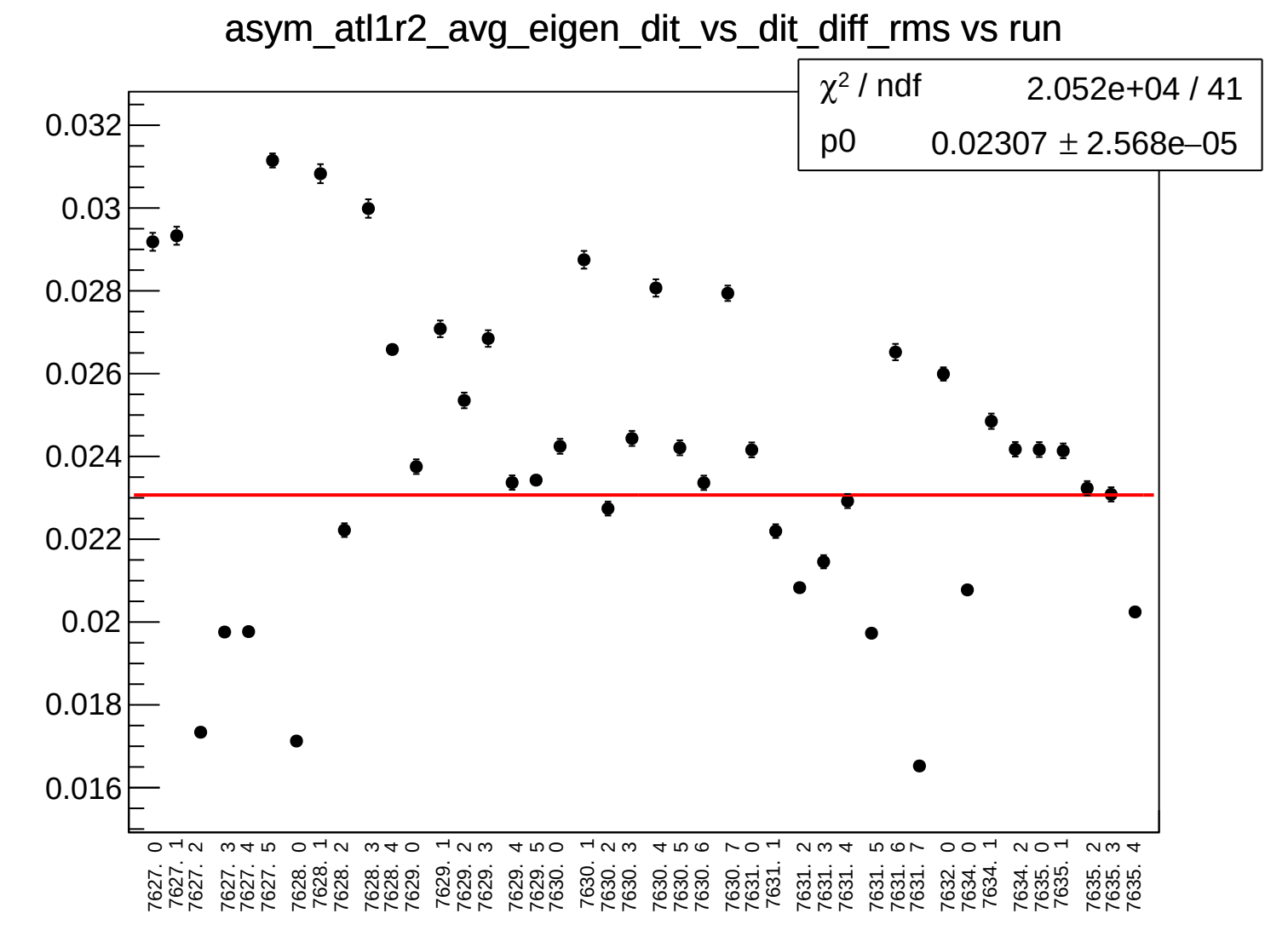

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.74 / 41
p0 0.2011± 0.2058
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 52.23
Std Dev 0
2
1
0
−1
−2
−3

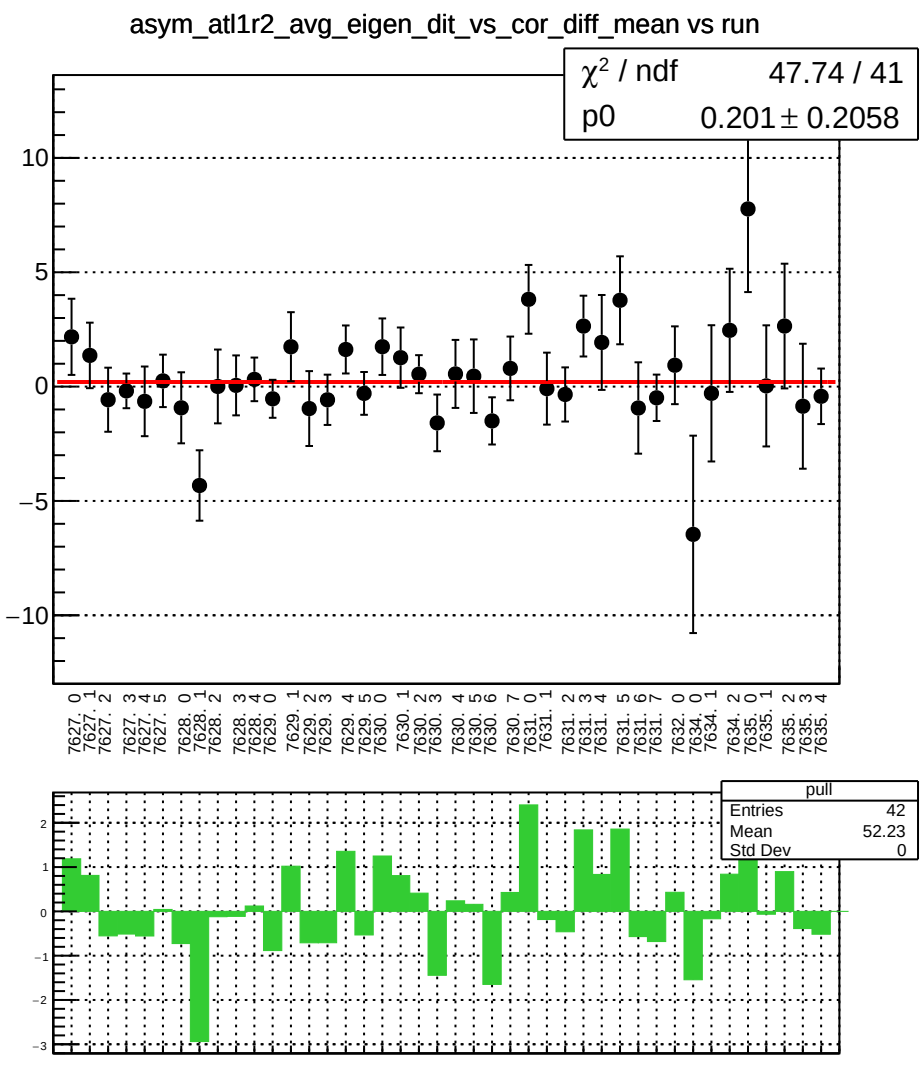

pull1D
Entries 42
Mean 0.07141
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

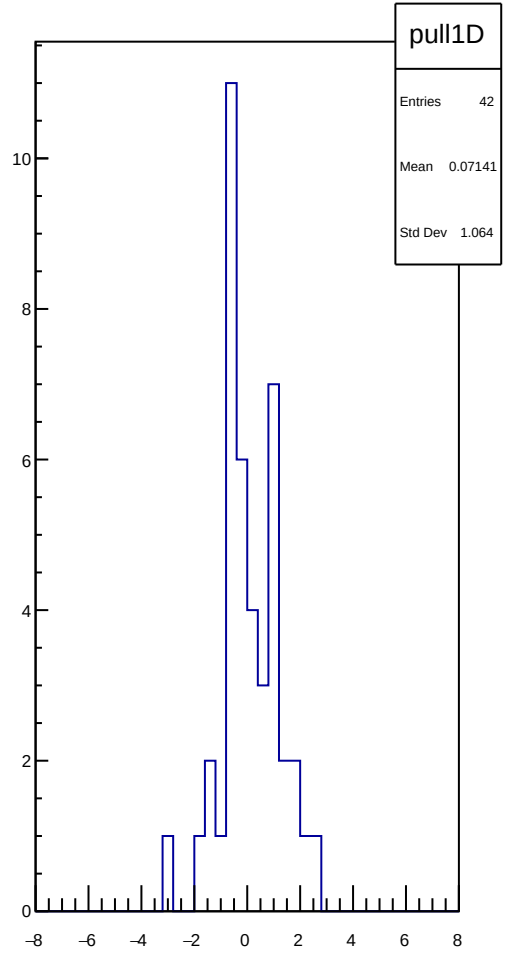

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.417e+04 / 41
p0 125.5 ± 0.1455
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

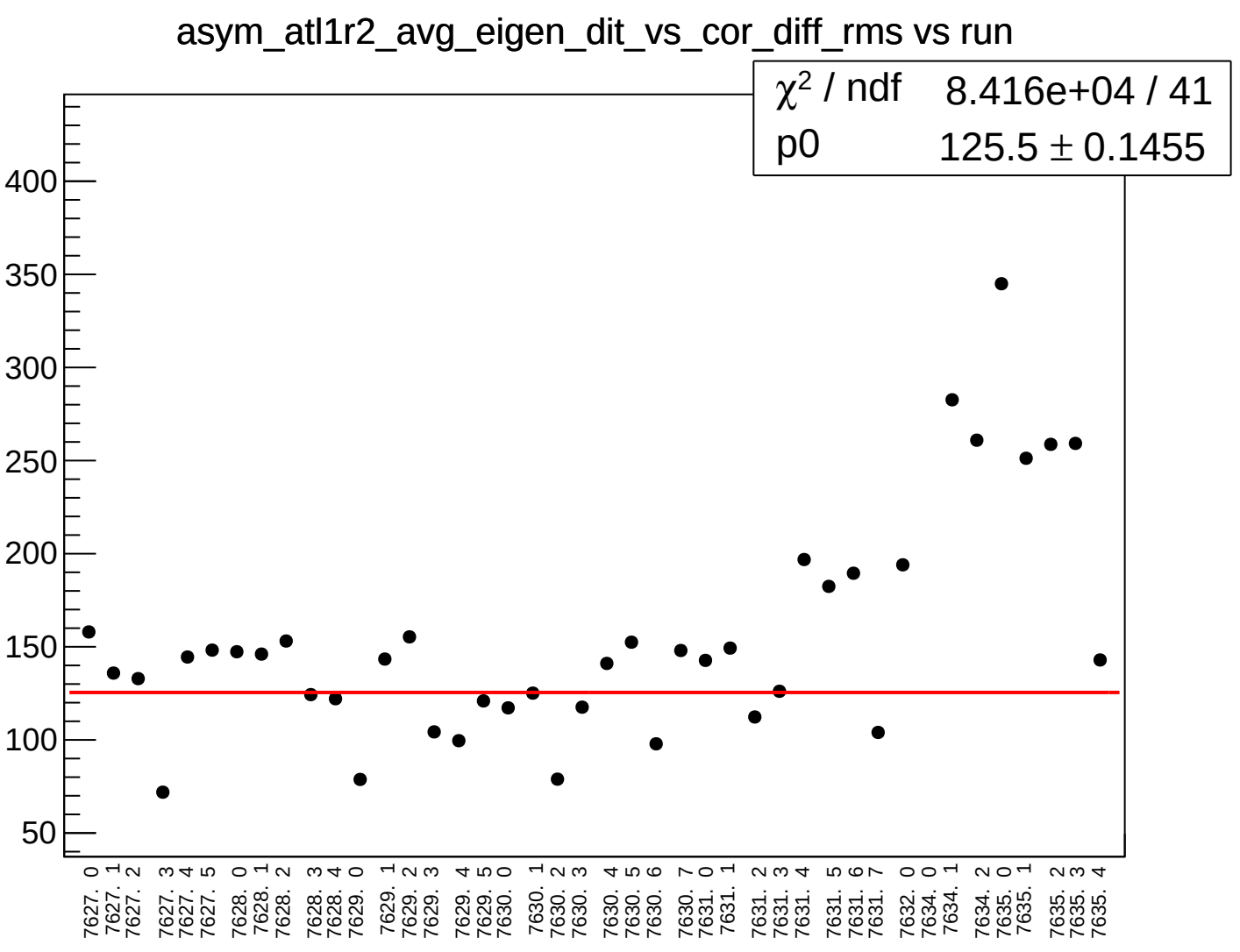

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 39.97 / 41
p0 −7.775e−05 ± 3.631e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 20.14
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

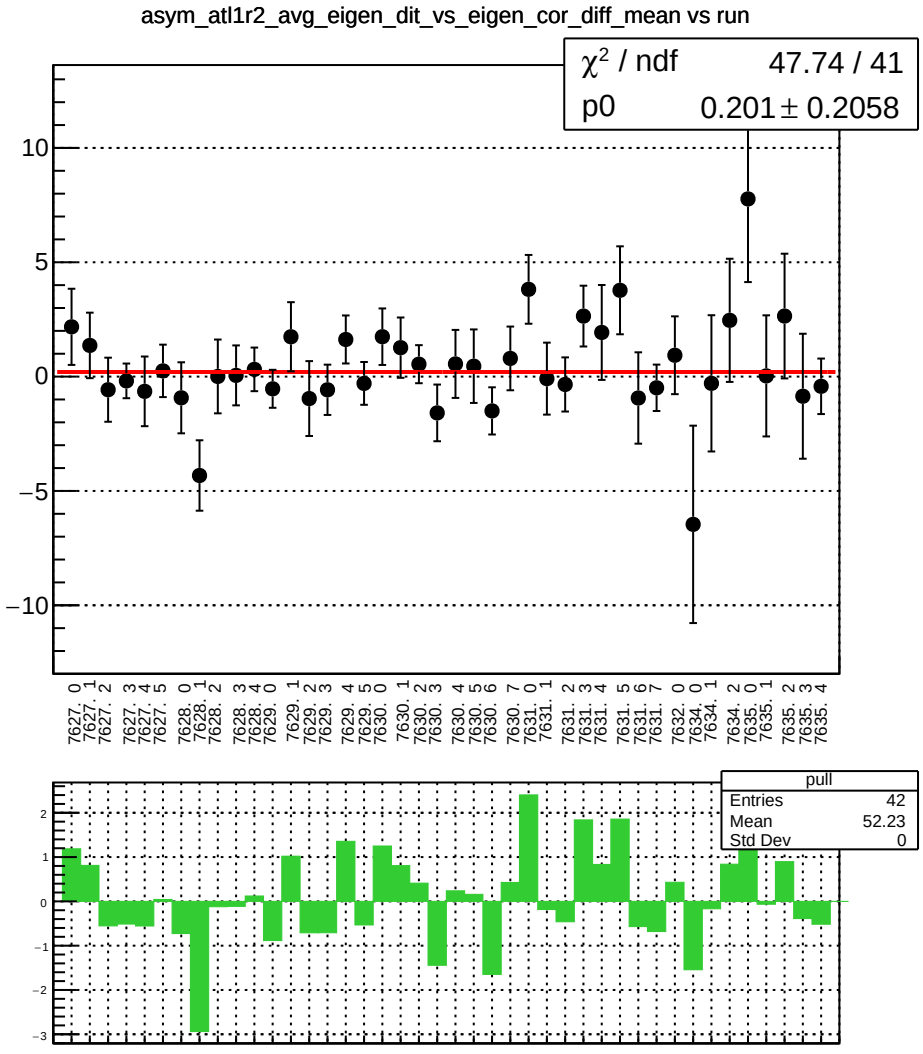

pull1D
Entries 42
Mean −0.03064
Std Dev 0.975
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

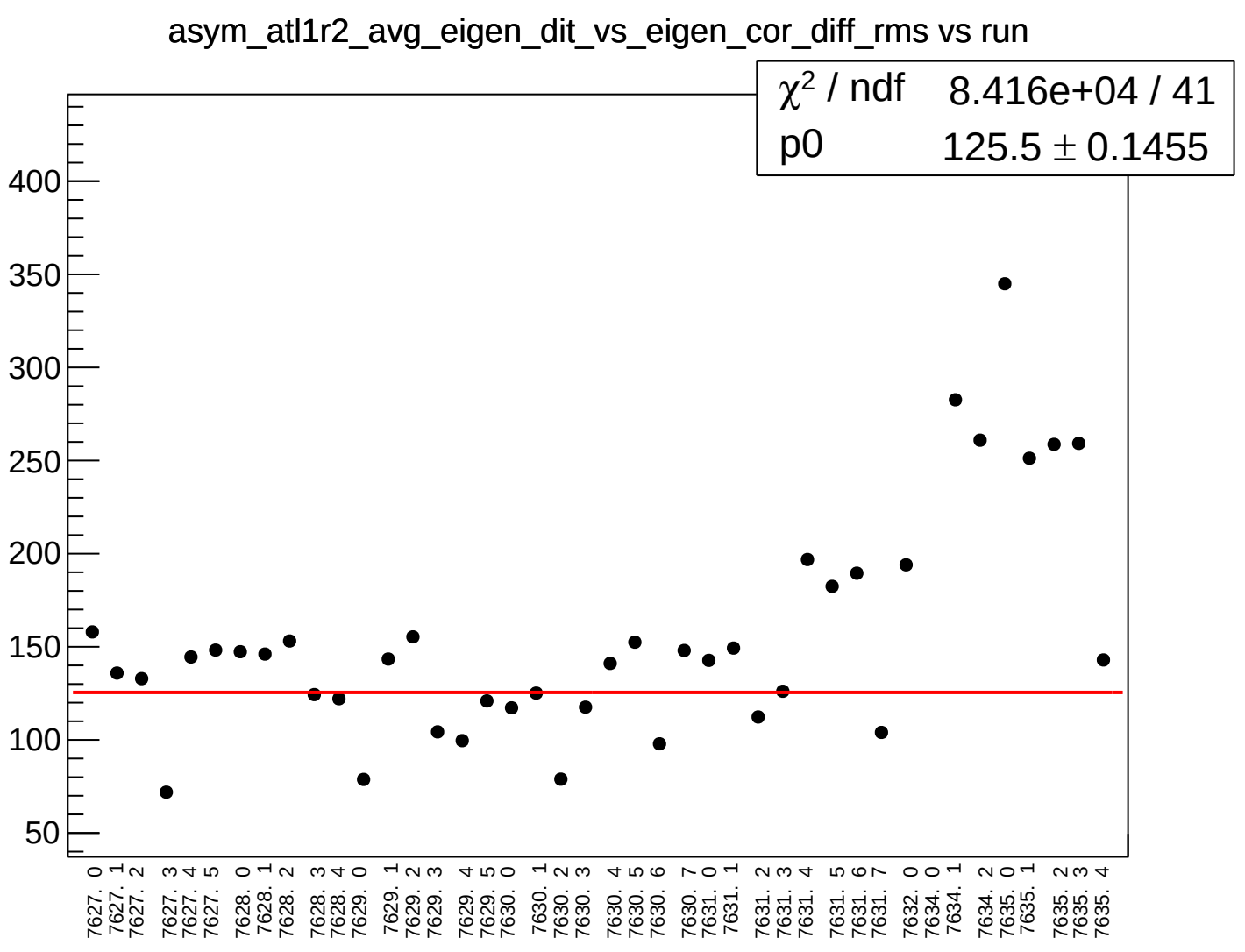

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.052e+04 / 41
p0 0.02307 ± 2.568e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

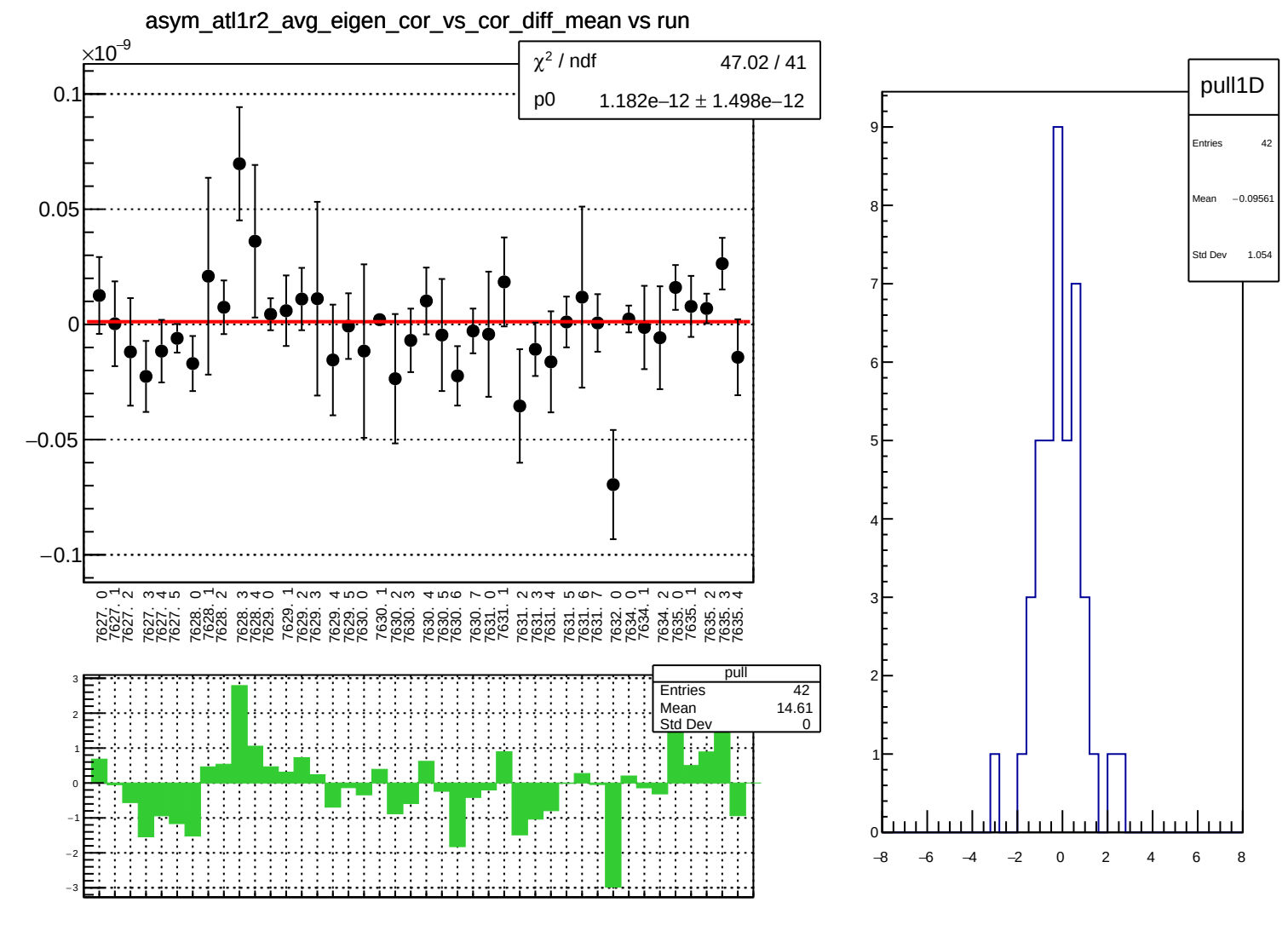

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.74 / 41
p0 0.201 ± 0.2058
pull
Entries 42
Mean 52.23
Std Dev 0

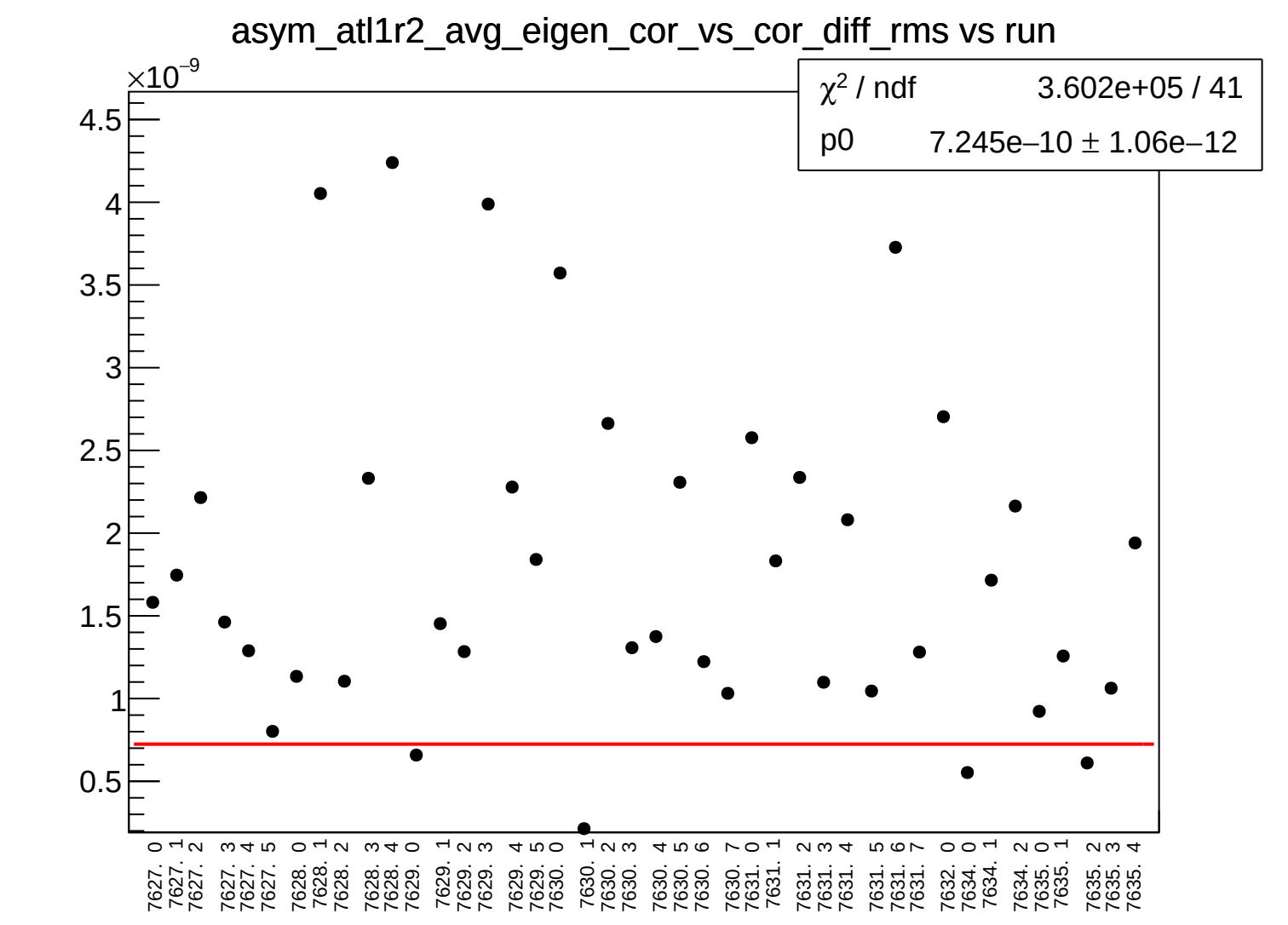

pull1D
Entries 42
Mean 0.07141
Std Dev 1.064

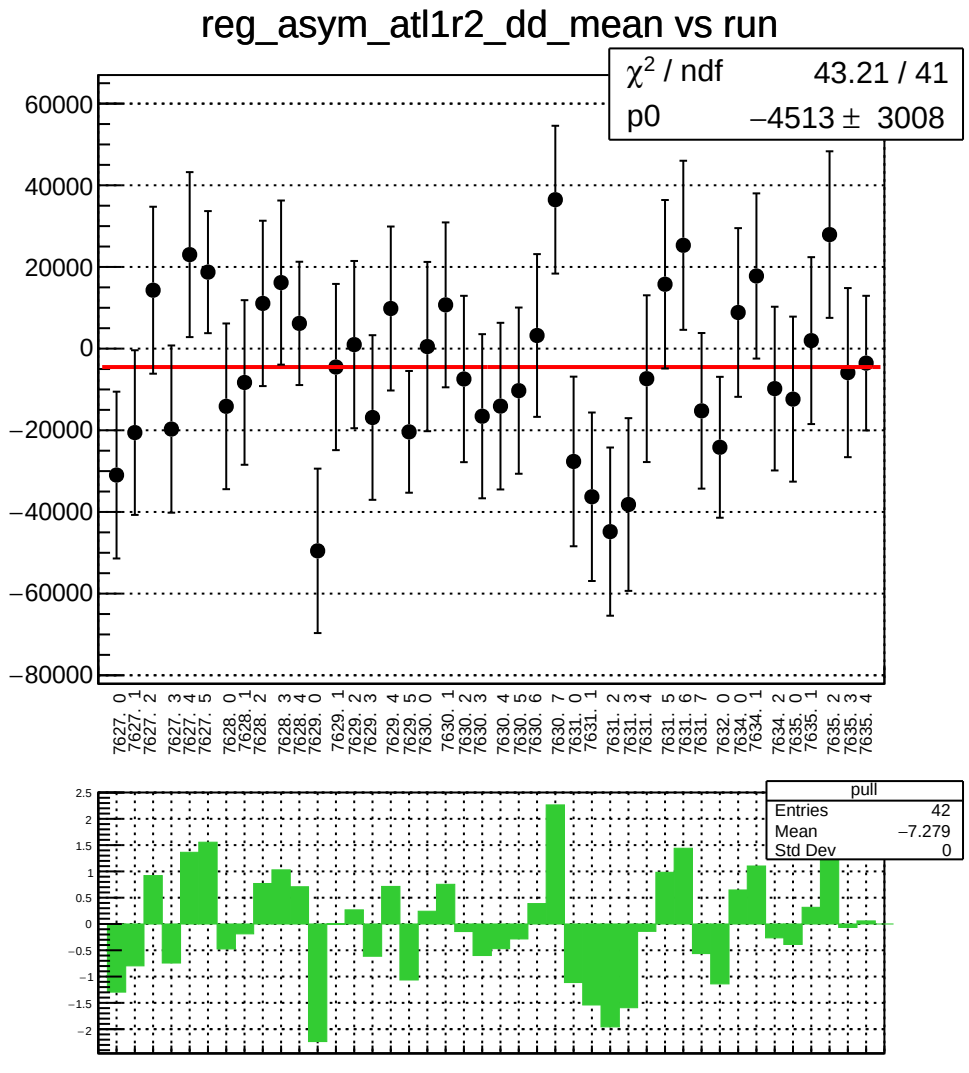

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.416e+04 / 41
p0 125.5 ± 0.1455
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

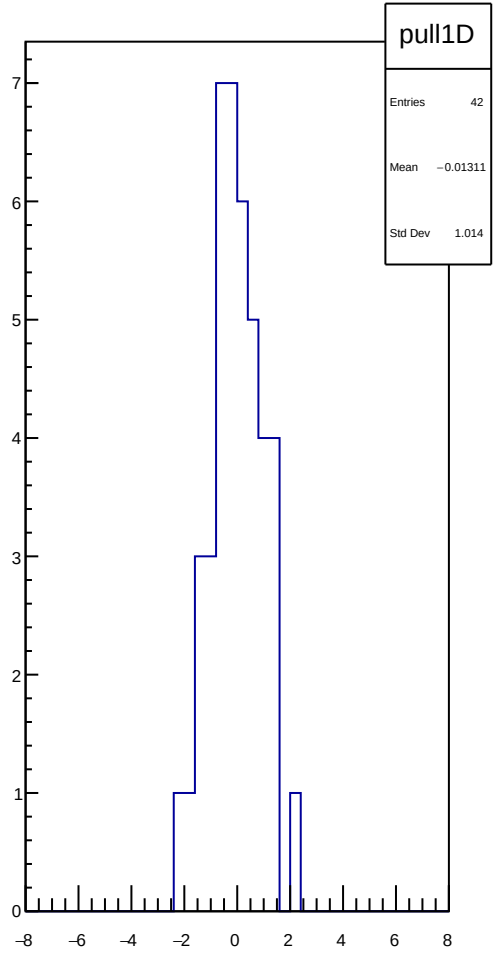

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.74 / 41
p0 0.201 ± 0.2058
pull
Entries 42
Mean 52.23
Std Dev 0
pull1D
Entries 42
Mean 0.07141
Std Dev 1.064

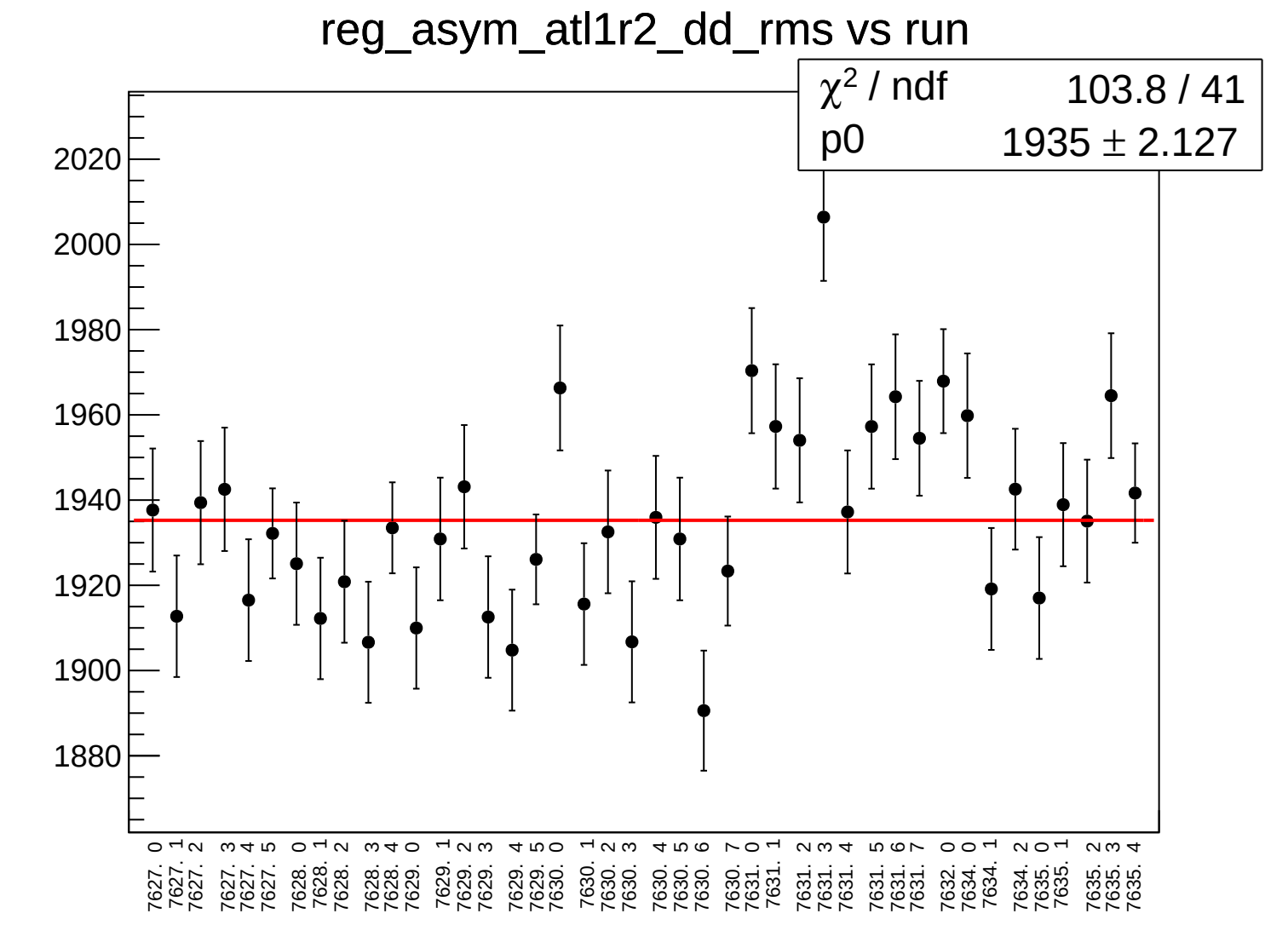

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.416e+04 / 41
p0 125.5 ± 0.1455
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

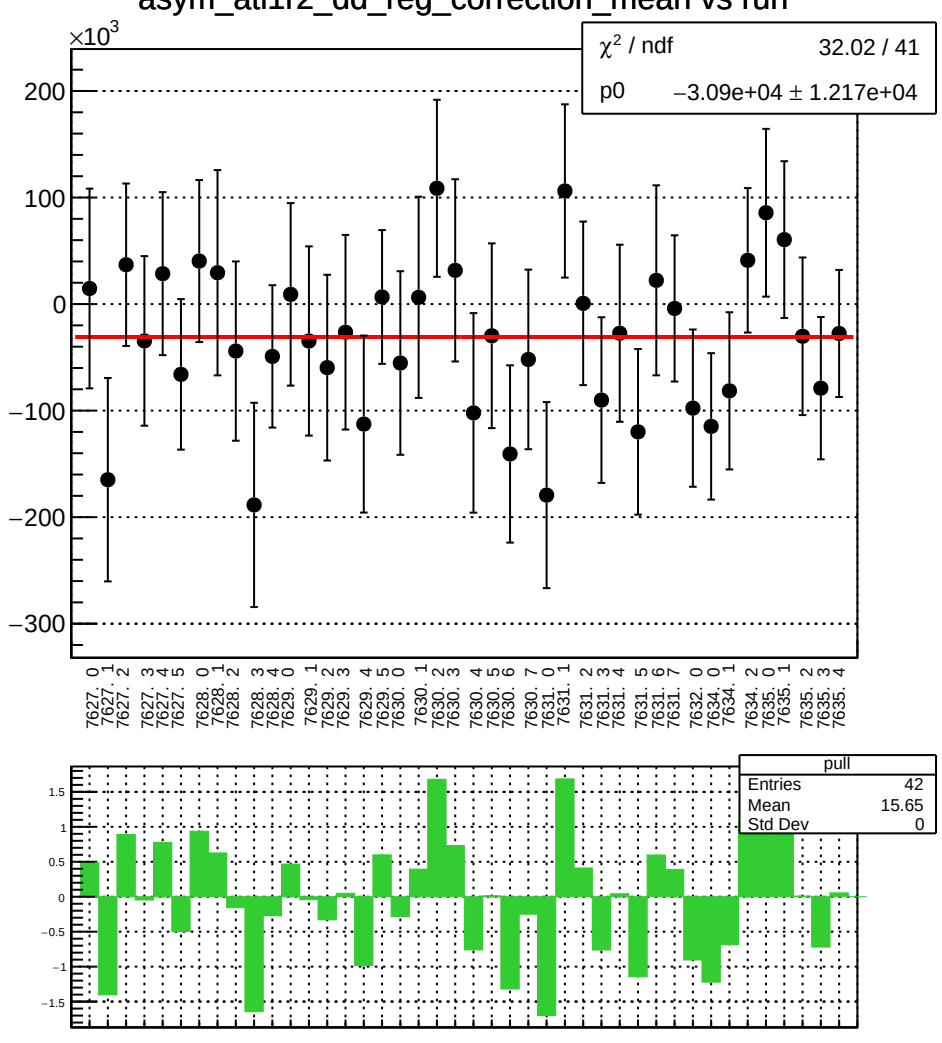

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 47.02 / 41
p0 1.182e−12 ± 1.498e−12
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 14.61
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.09561
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

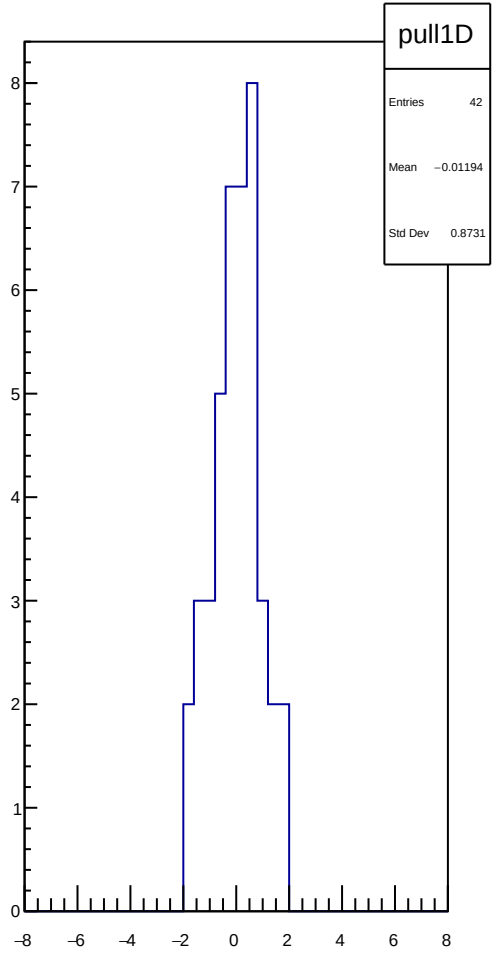

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.602e+05 / 41
p0 7.245e−10 ± 1.06e−12
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

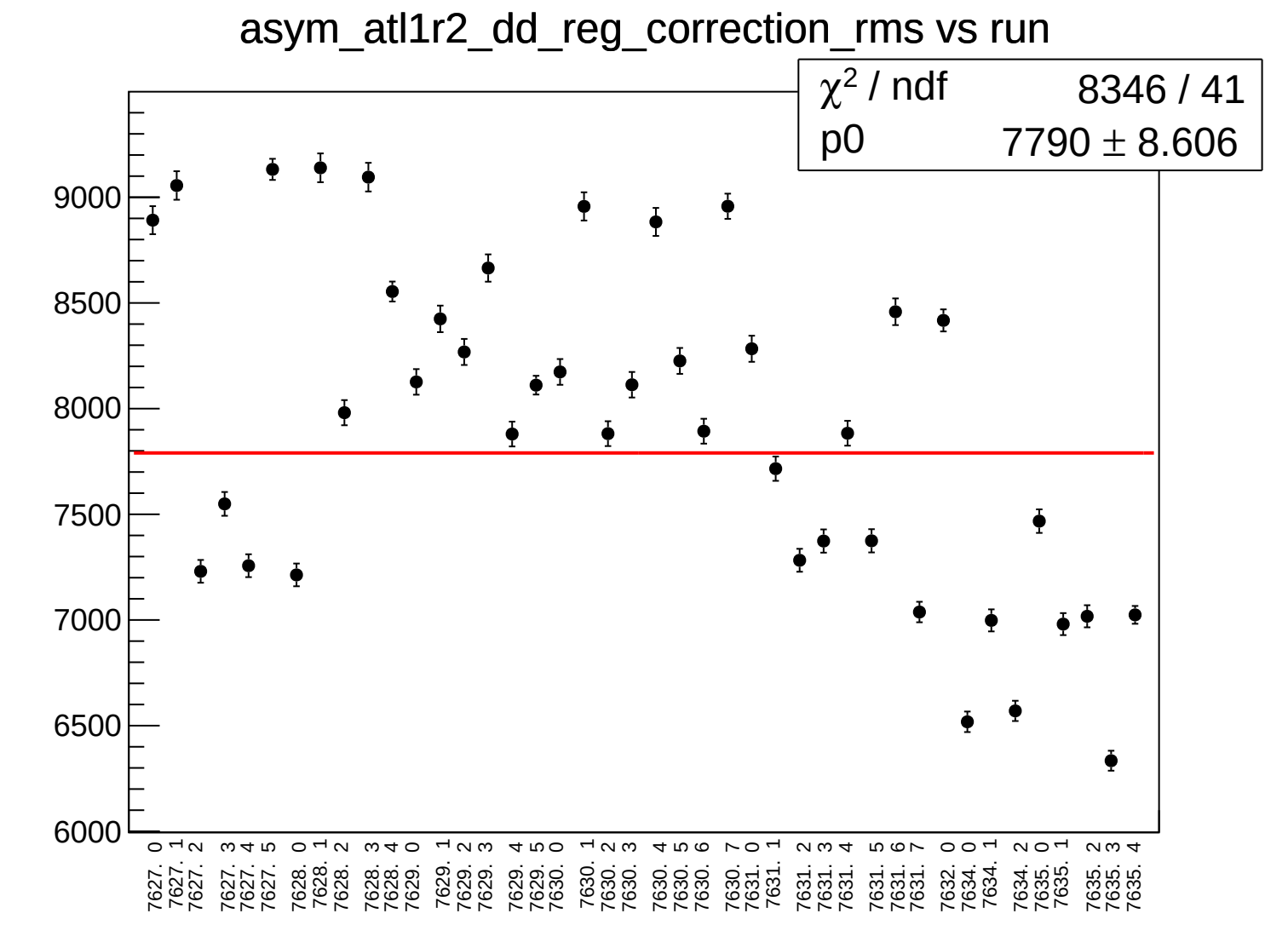

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 43.21 / 41
p0 −4513 ± 3008
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.279
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

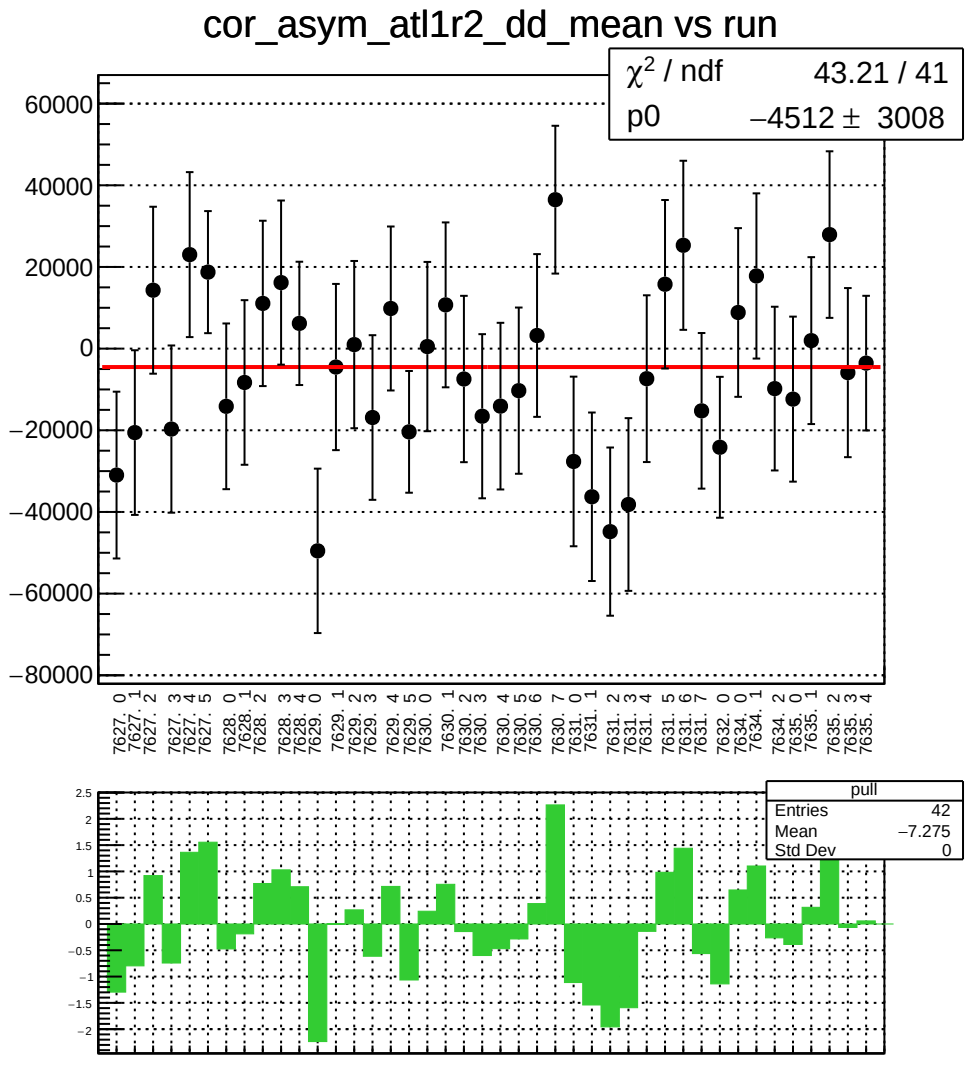

pull1D
Entries 42
Mean −0.01311
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

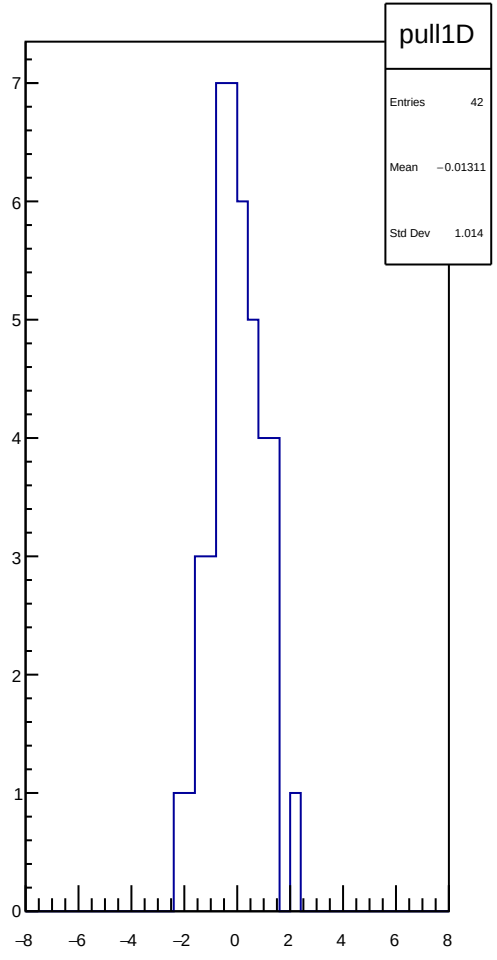

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 103.8 / 41
p0 1935 ± 2.127
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

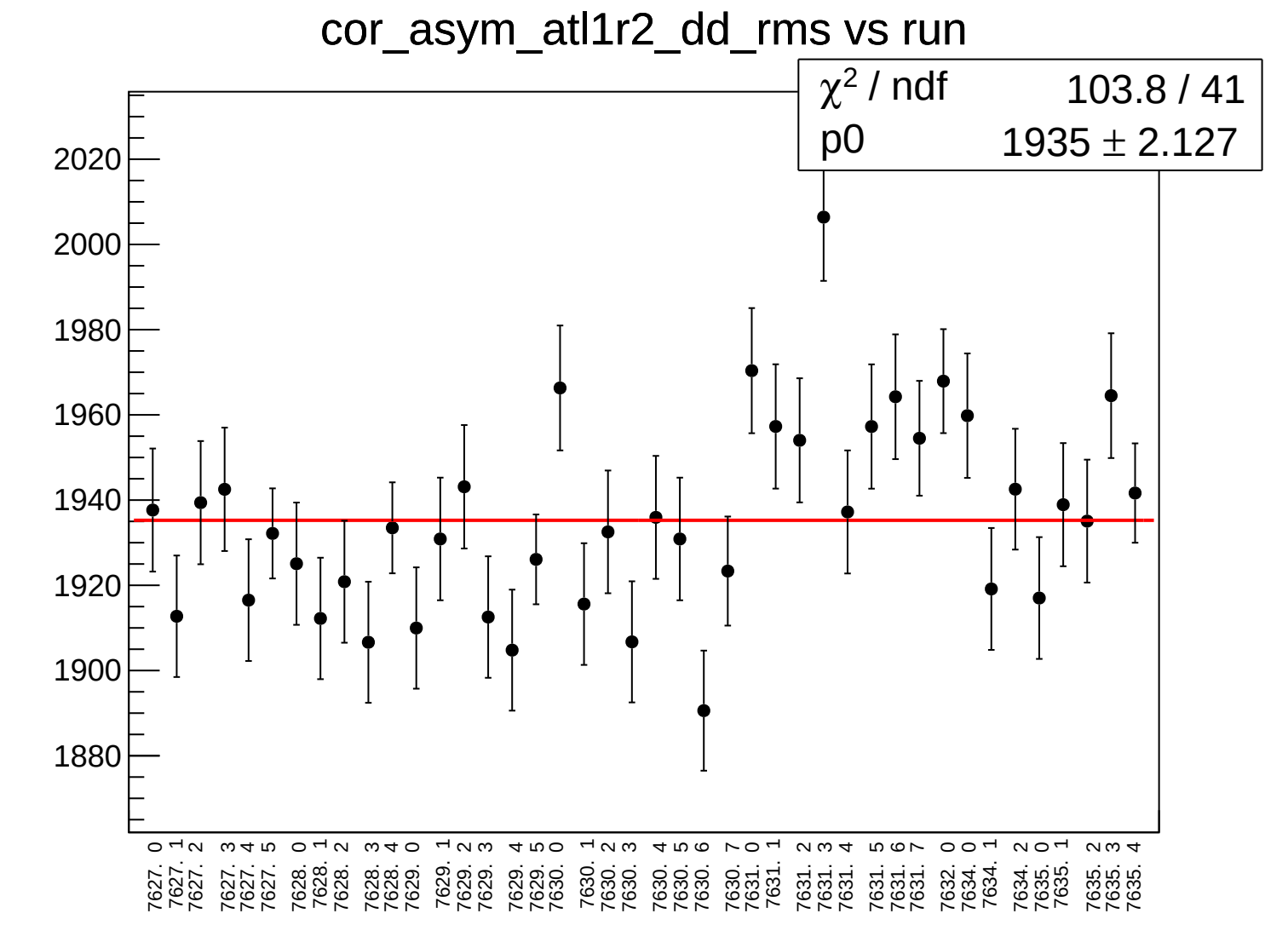

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 32.02 / 41
p0 −3.09e+04 ± 1.217e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

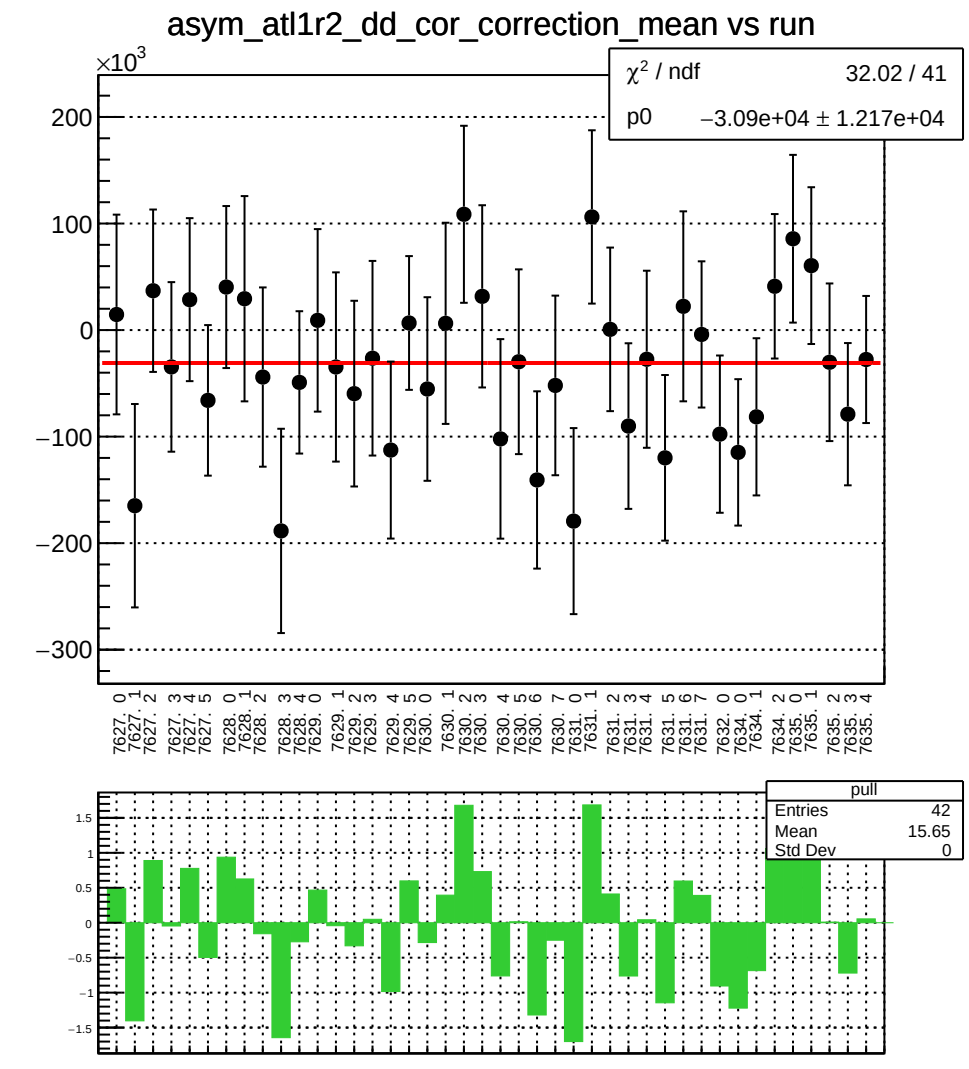

pull1D
Entries 42
Mean −0.01194
Std Dev 0.8731
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

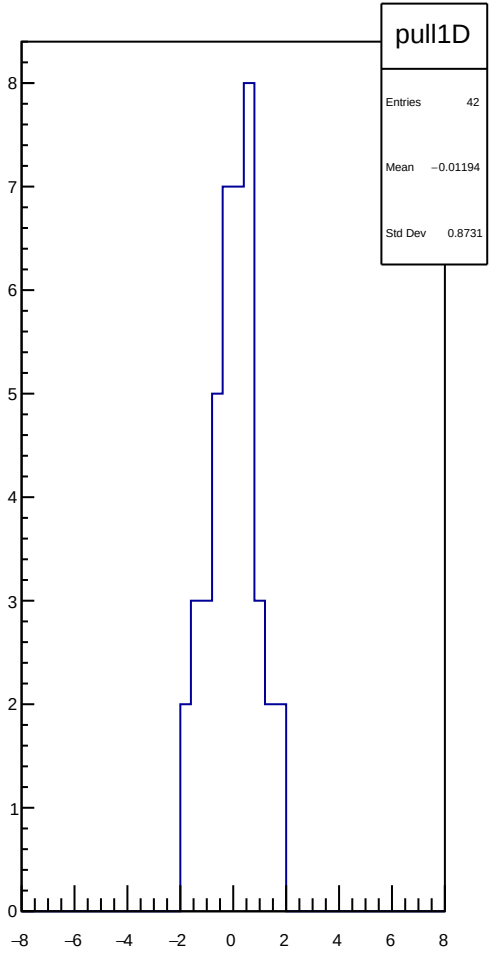

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 8346 / 41
p0 7790 ± 8.606
9000
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

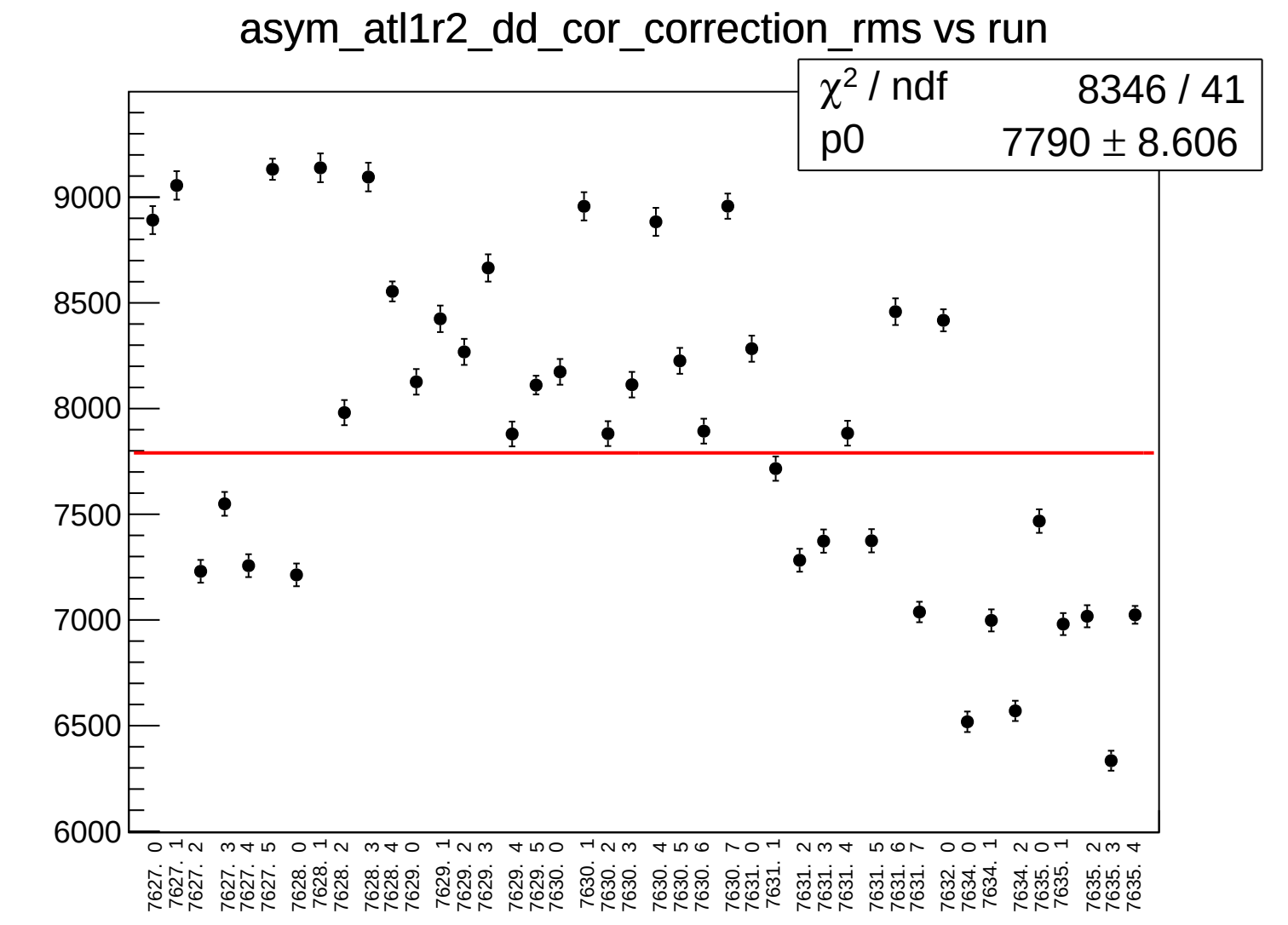

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 43.21 / 41
p0 −4512 ± 3008
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.275
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

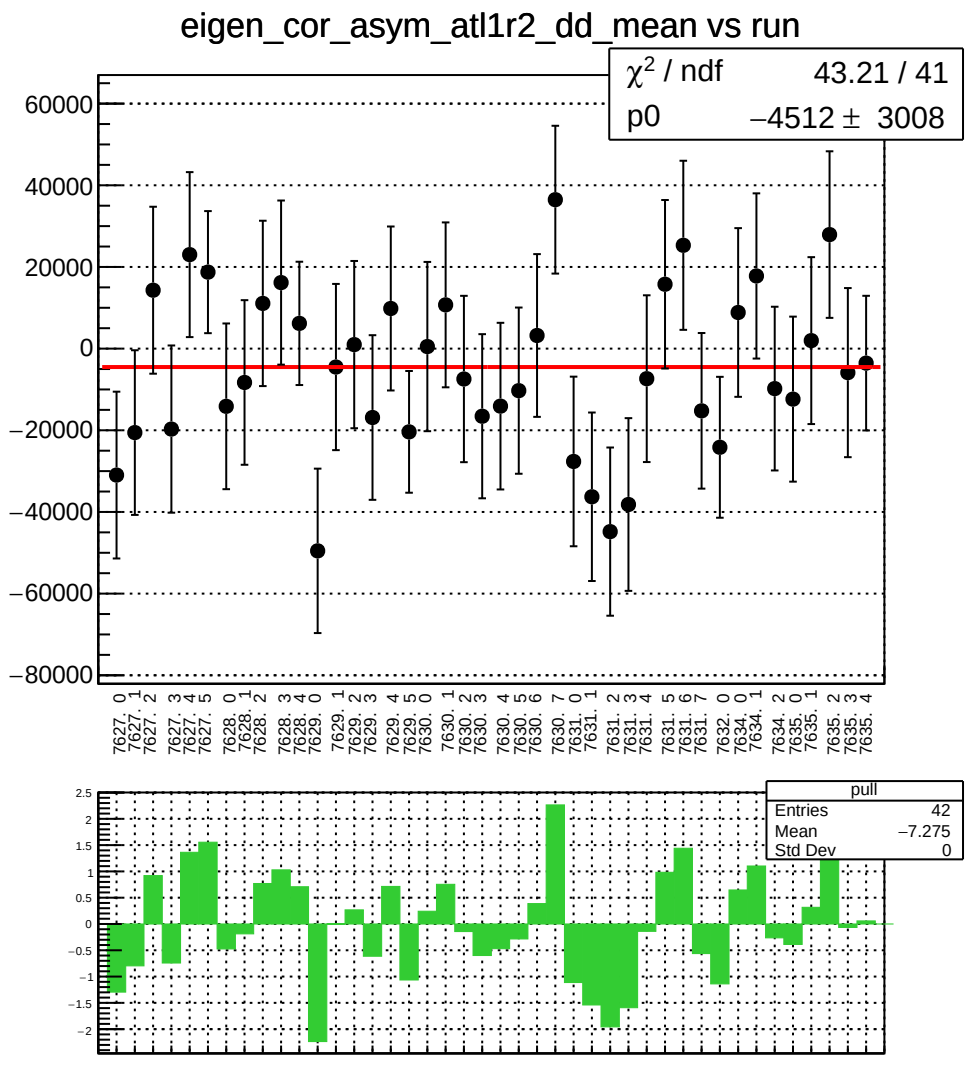

pull1D
Entries 42
Mean −0.01311
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

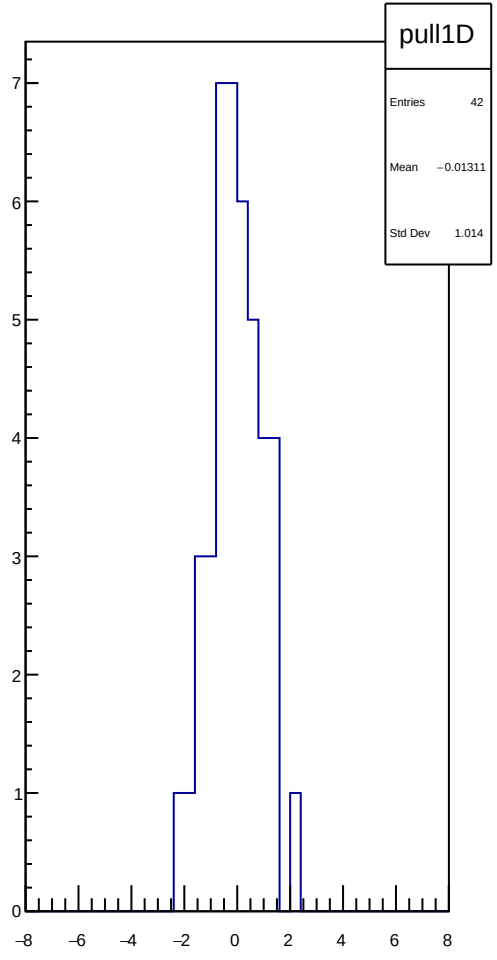

cor_asym_atl1r2_dd_rms vs run
χ^2 / ndf 103.8 / 41
p0 1935 ± 2.127
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

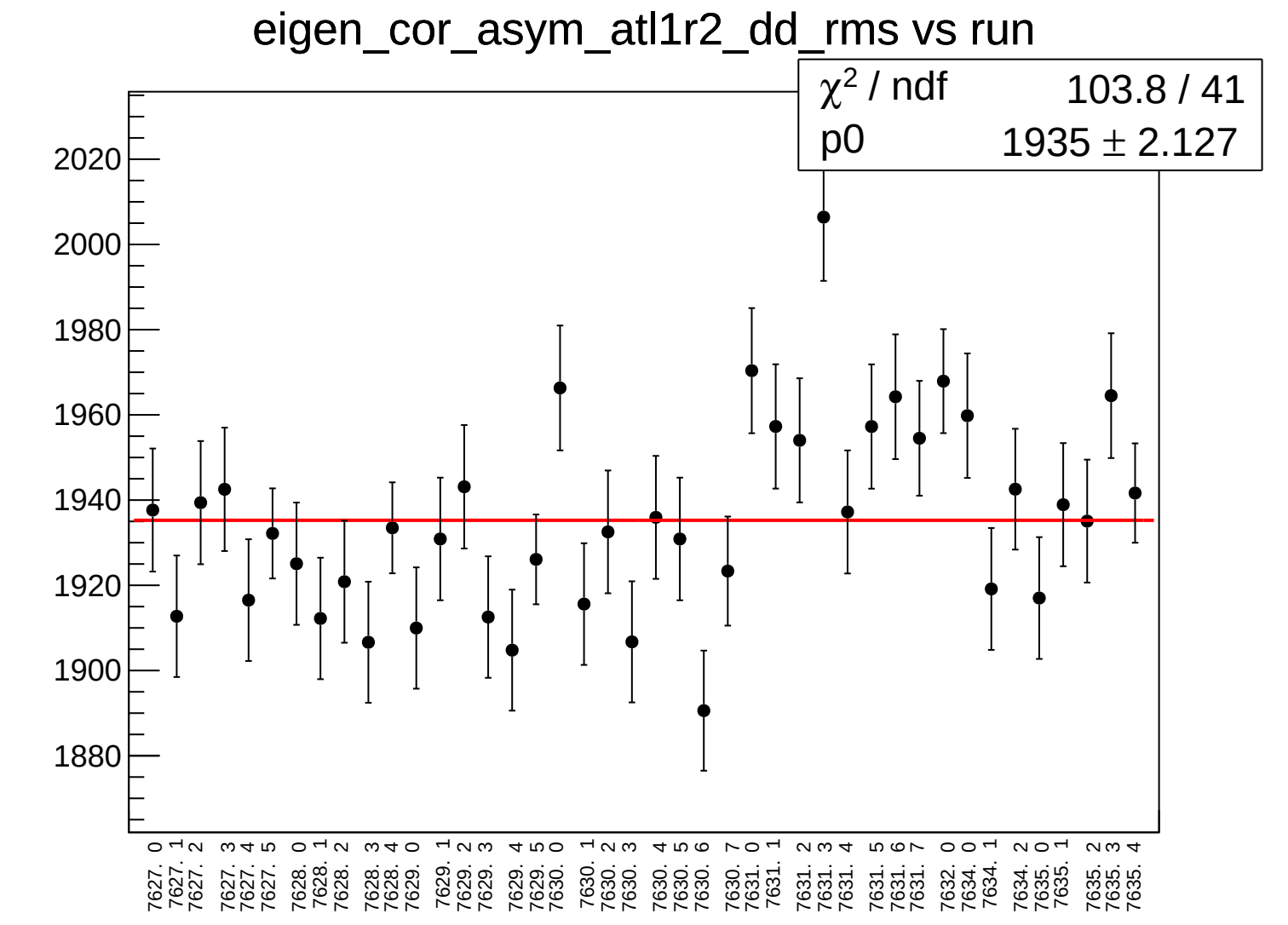

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 32.02 / 41
p0 −3.09e+04 ± 1.217e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

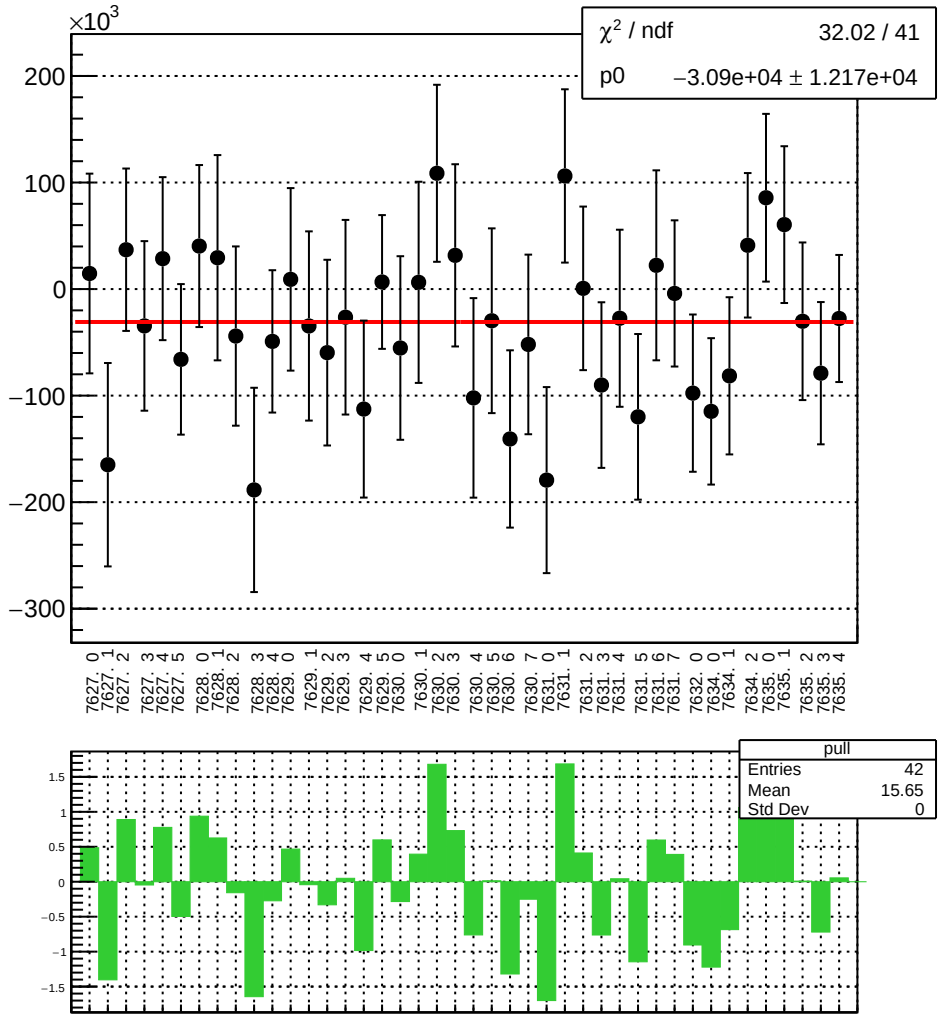

pull1D
Entries 42
Mean −0.01194
Std Dev 0.8731
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

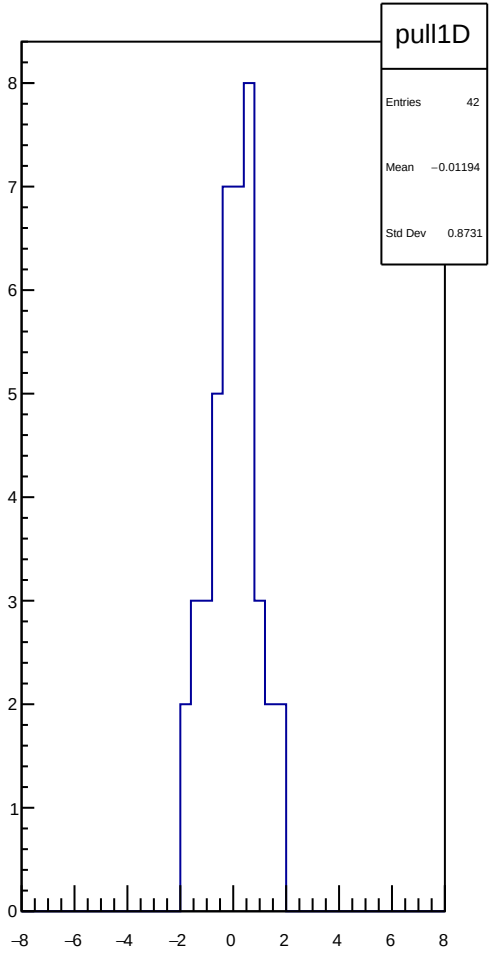

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 8346 / 41
p0 7790 ± 8.606
9000
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

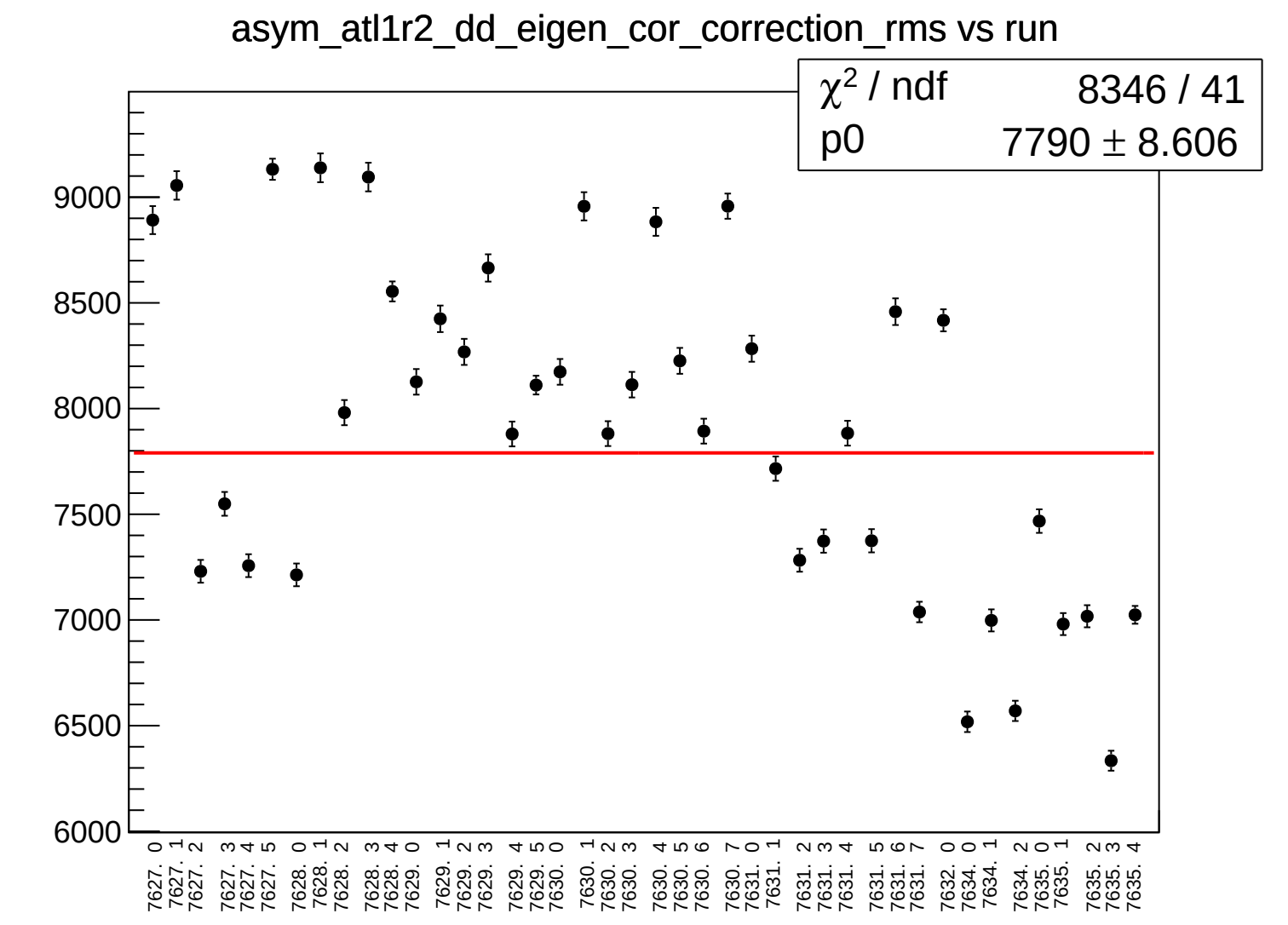

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 43.21 / 41
p0 −4512 ± 3008
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.275
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

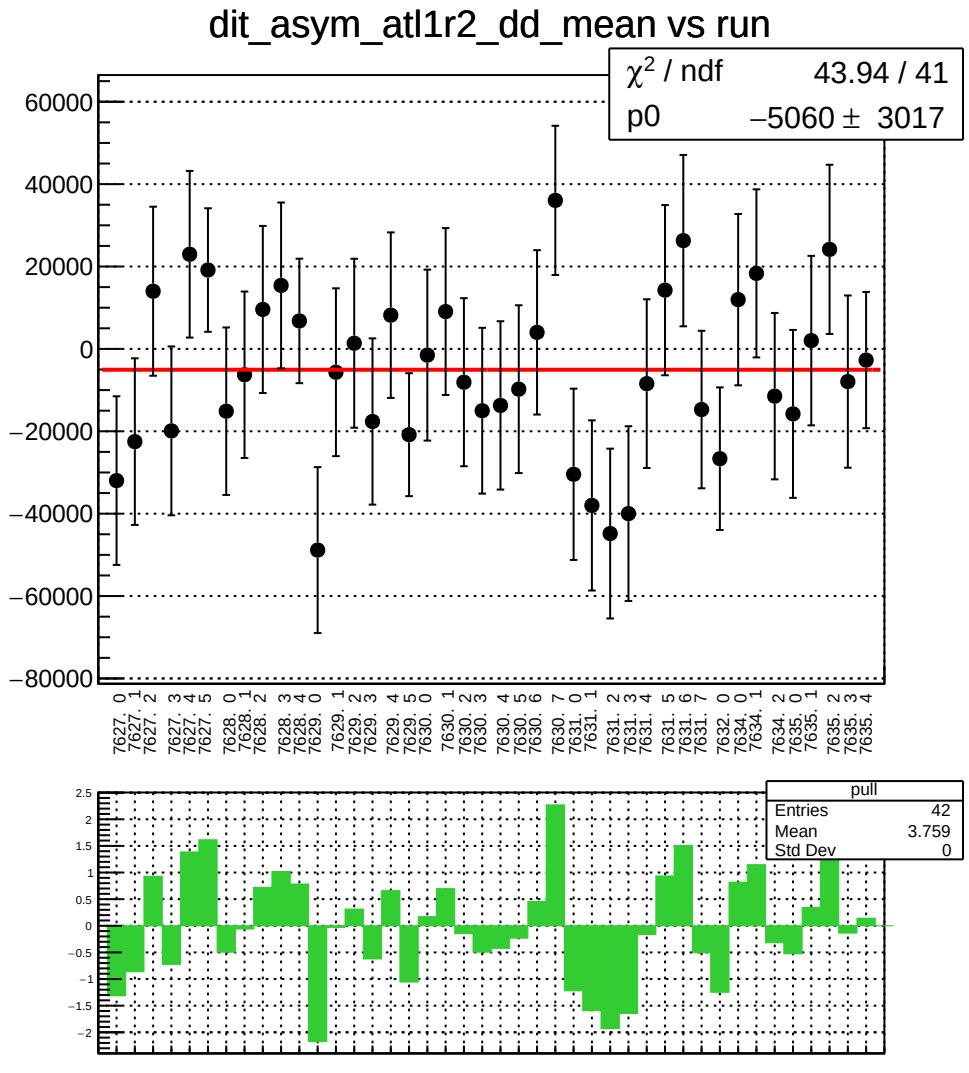

pull1D
Entries 42
Mean −0.01311
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

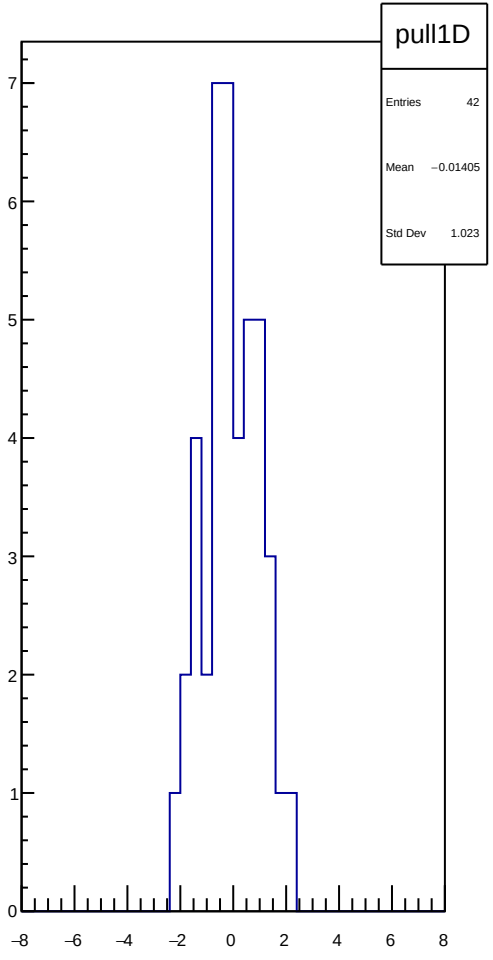

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 103.8 / 41
p0 1935 ± 2.127
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

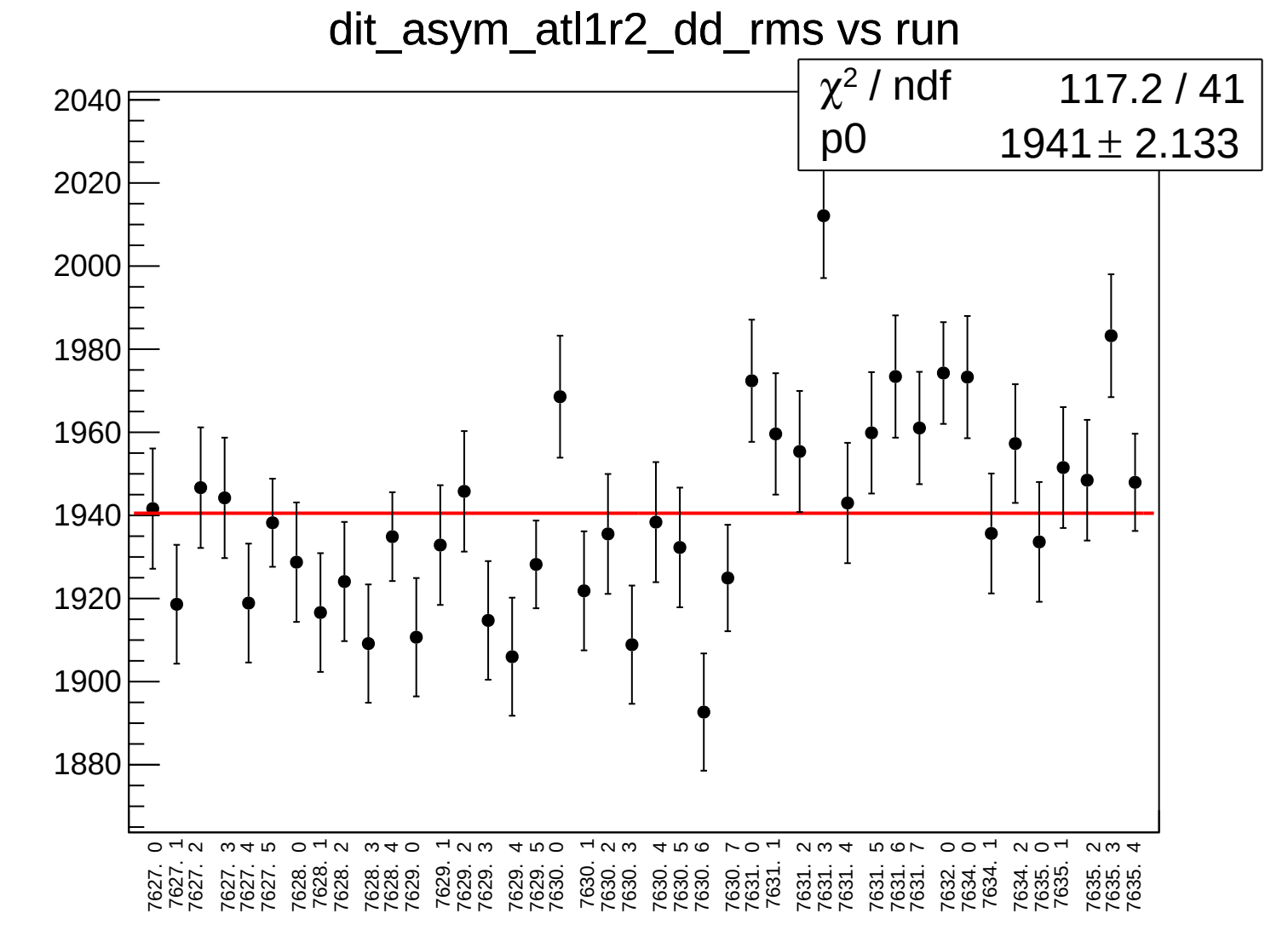

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.02 / 41
p0 −3.09e+04 ± 1.217e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

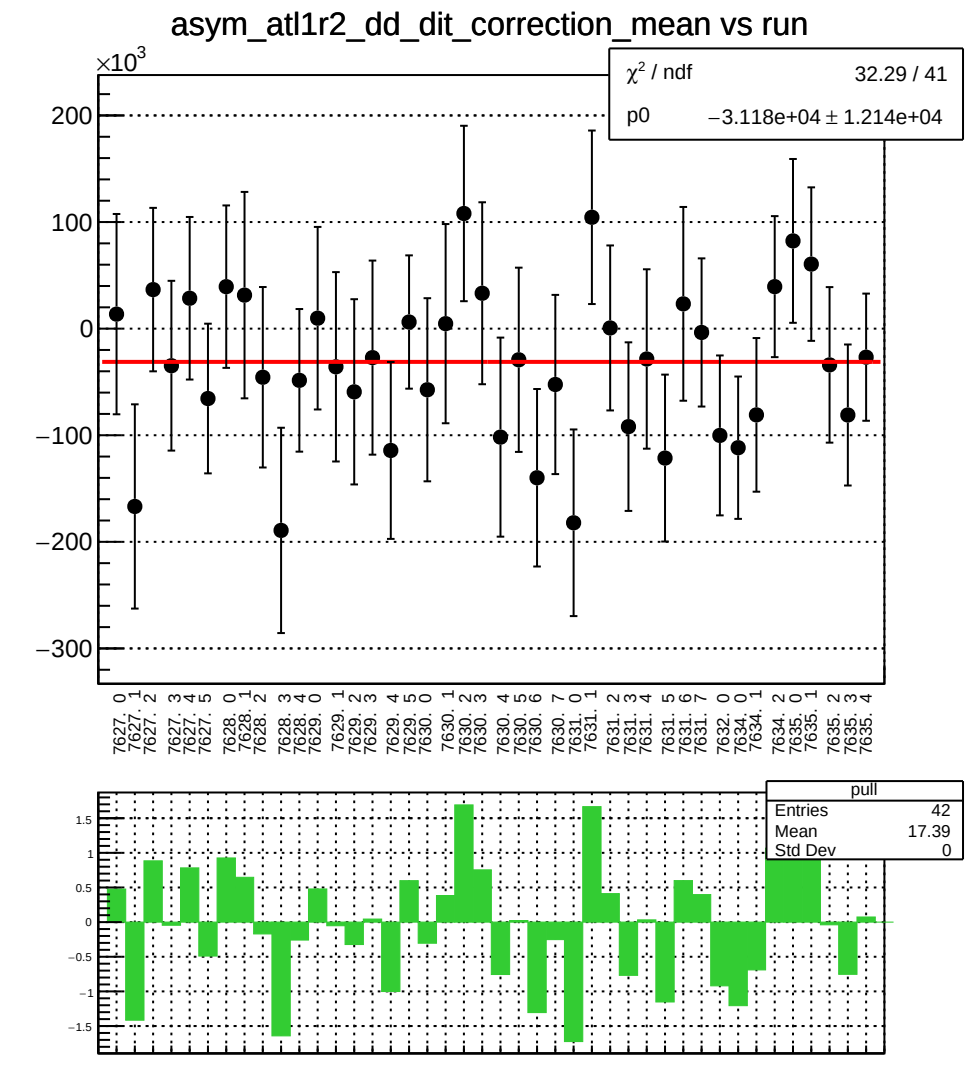

pull1D
Entries 42
Mean −0.01194
Std Dev 0.8731
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

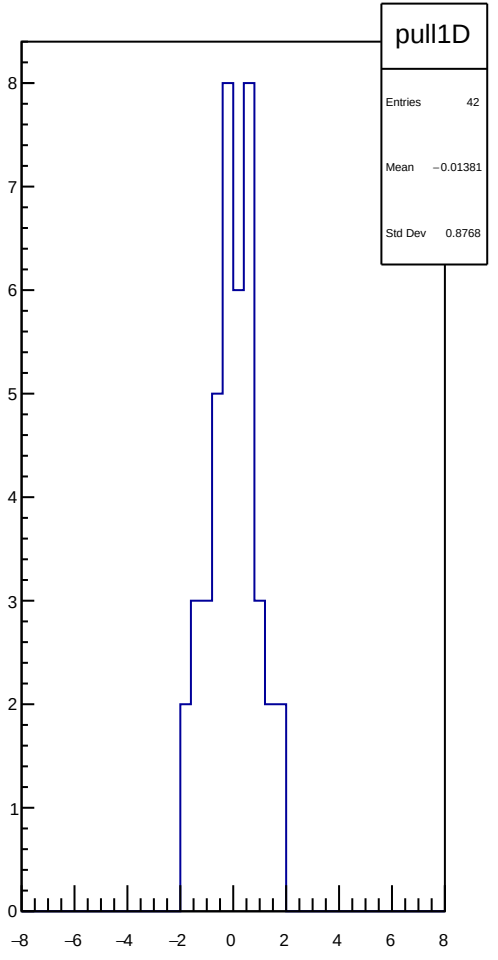

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 8346 / 41
p0 7790 ± 8.606
9000
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

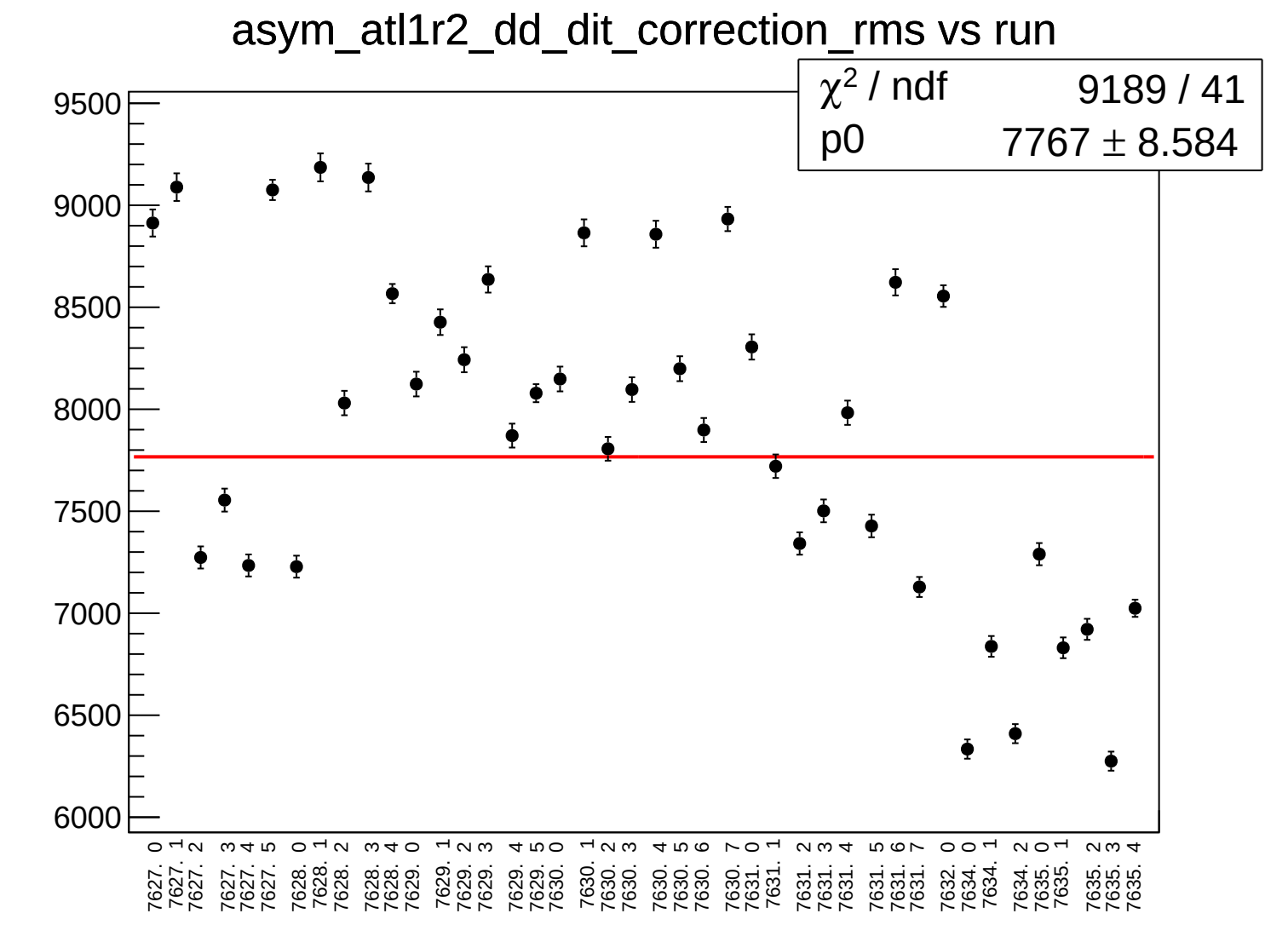

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 43.94 / 41
p0 −5060 ± 3017
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.759
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

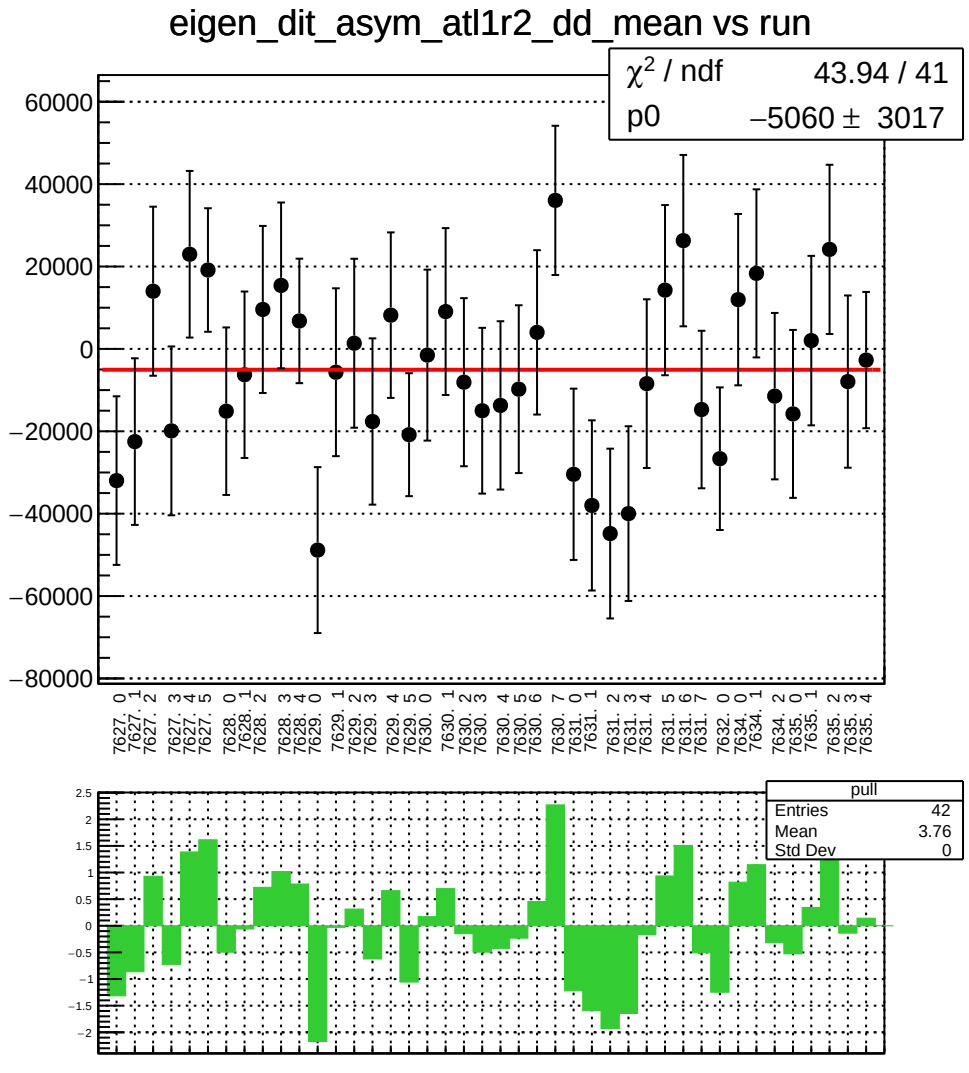

pull1D
Entries 42
Mean −0.01405
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

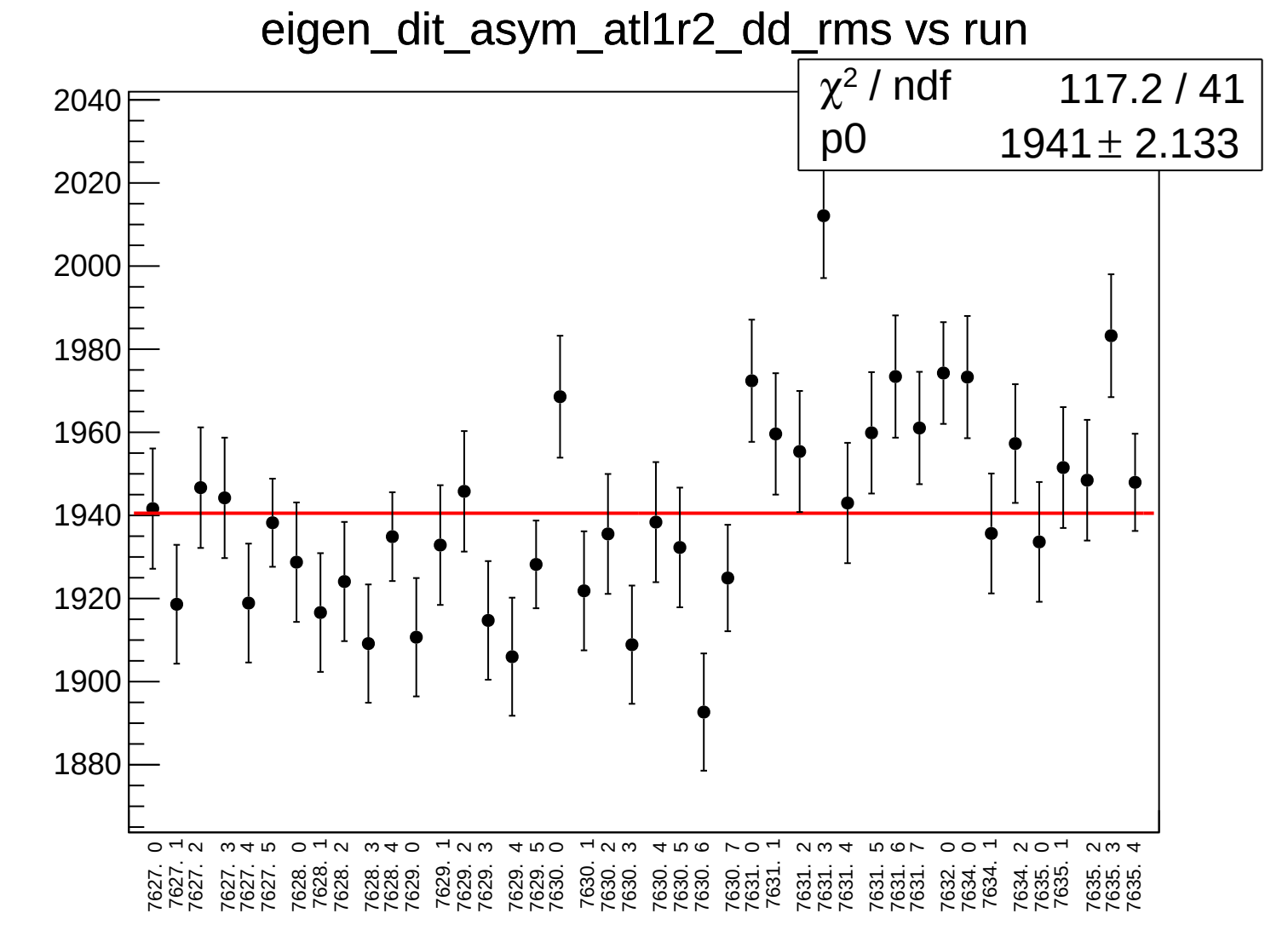

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 117.2 / 41
p0 1941 ± 2.133
2040
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

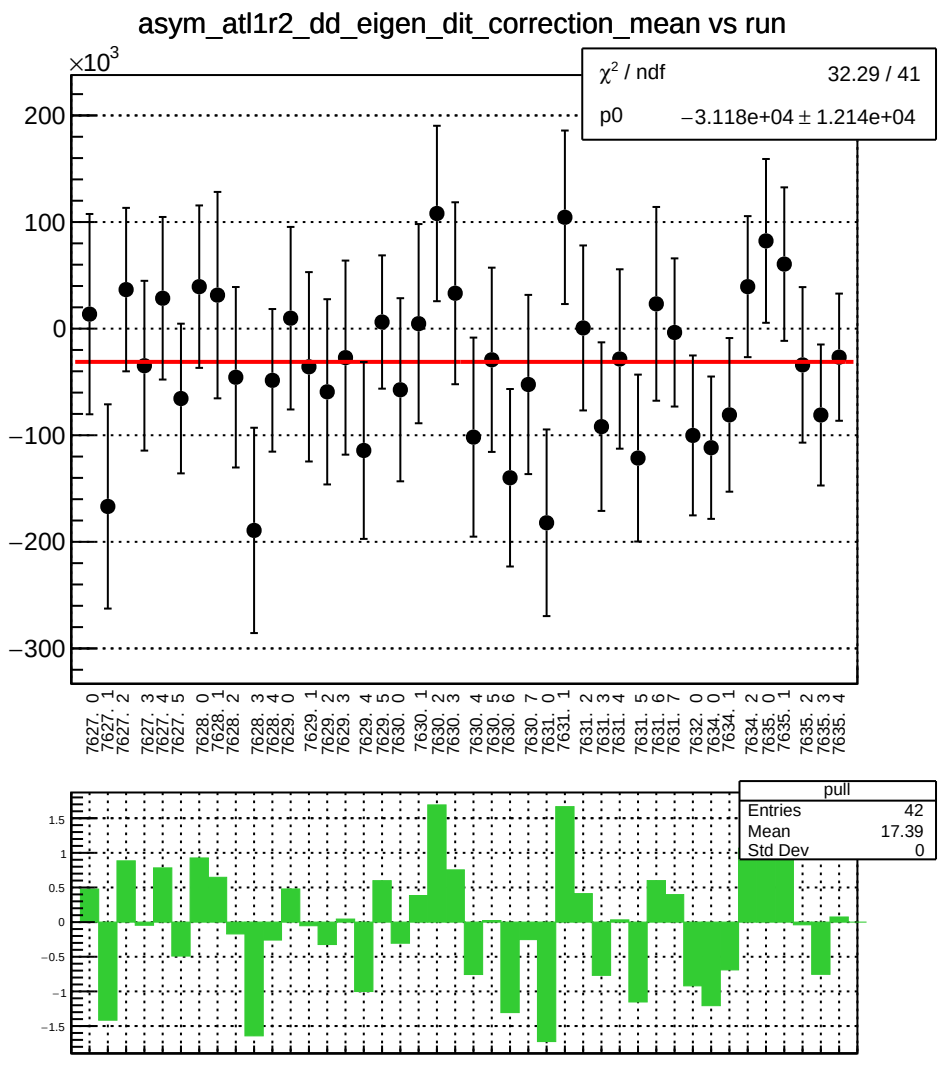

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 32.29 / 41
p0 −3.118e+04 ± 1.214e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

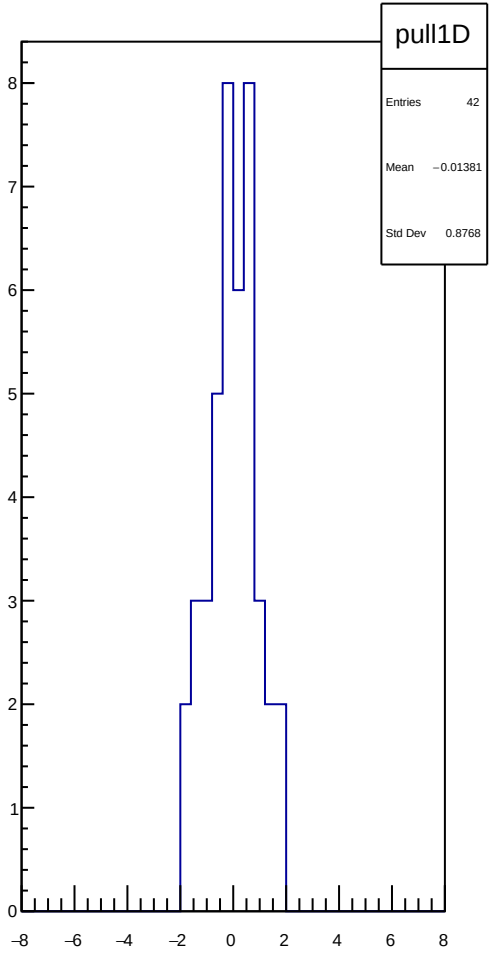

pull1D
Entries 42
Mean −0.01381
Std Dev 0.8768
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

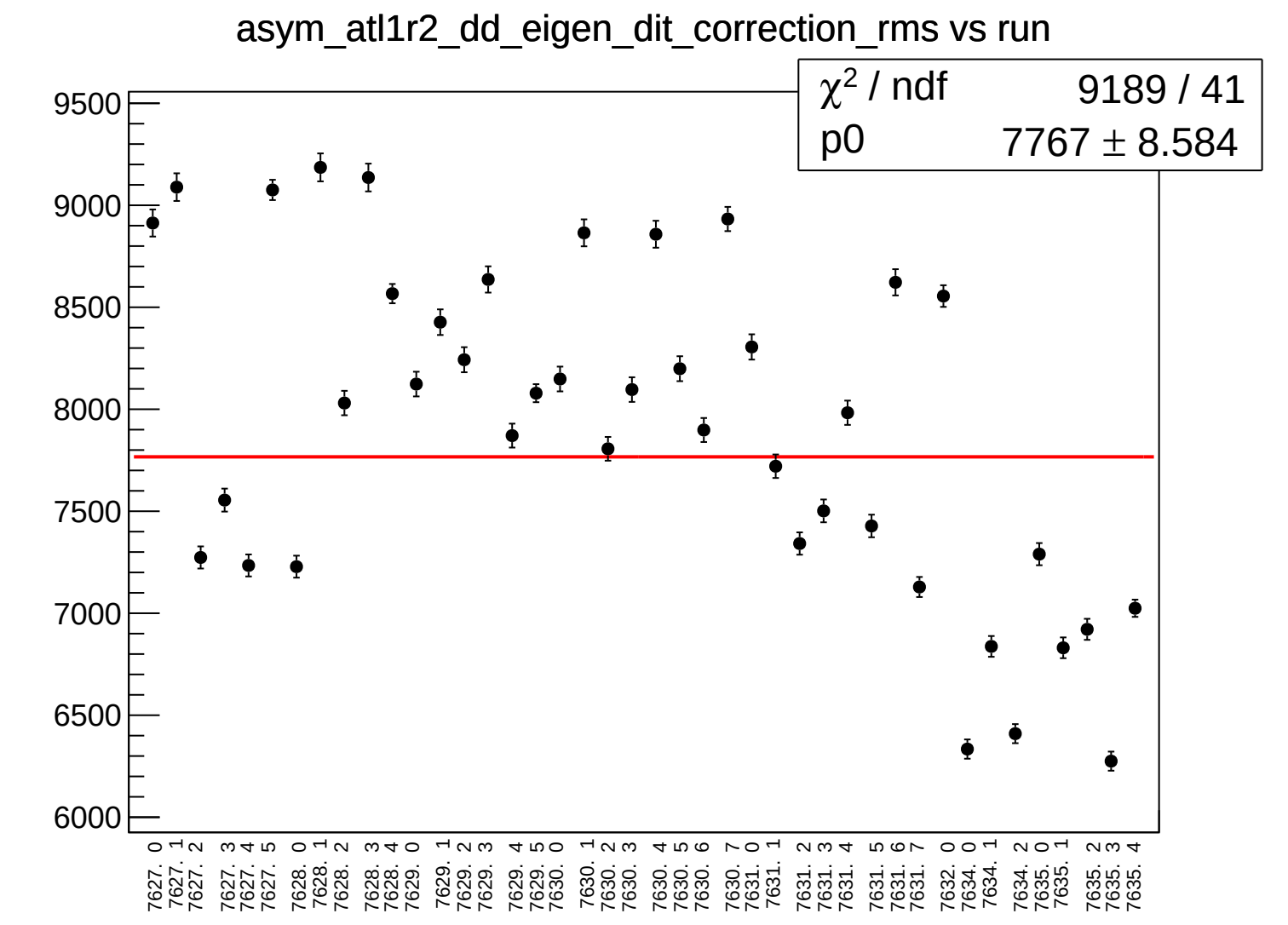

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 9189 / 41
p0 7767 ± 8.584
9500
9000
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

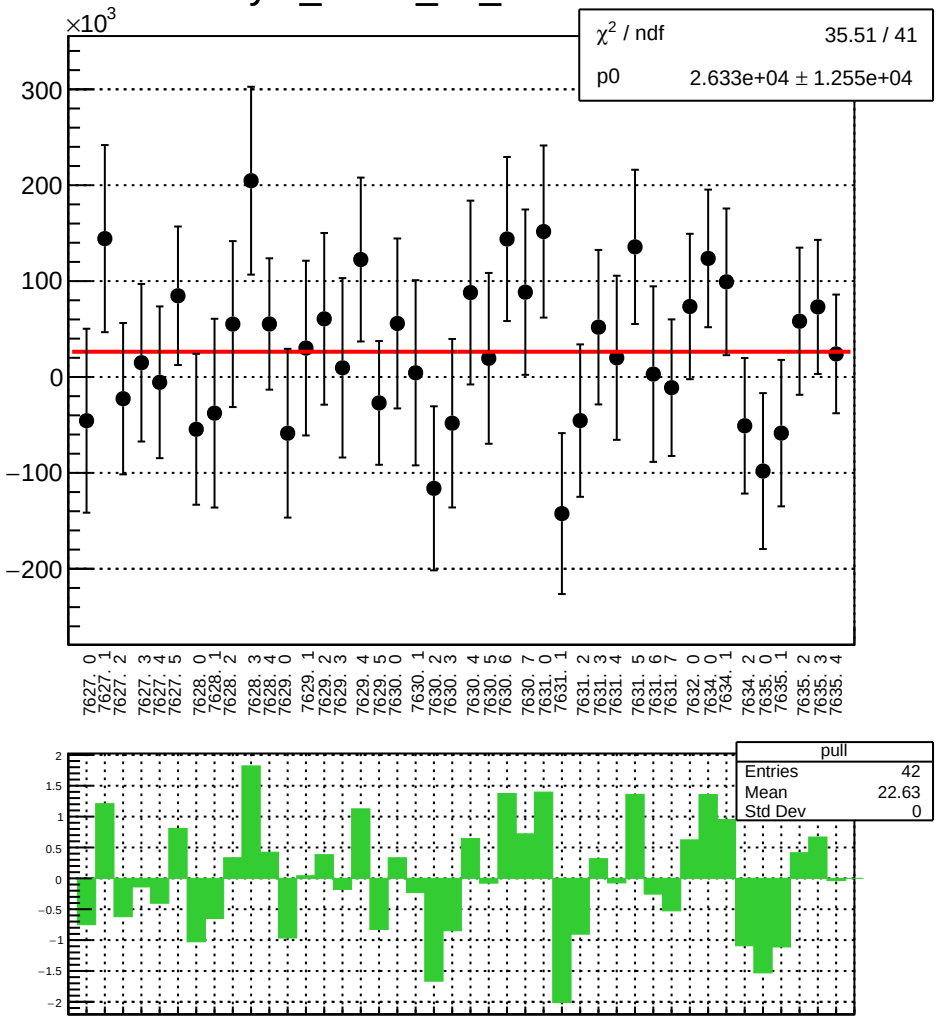

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 43.94 / 41
p0 −5060 ± 3017
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.76
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01405
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

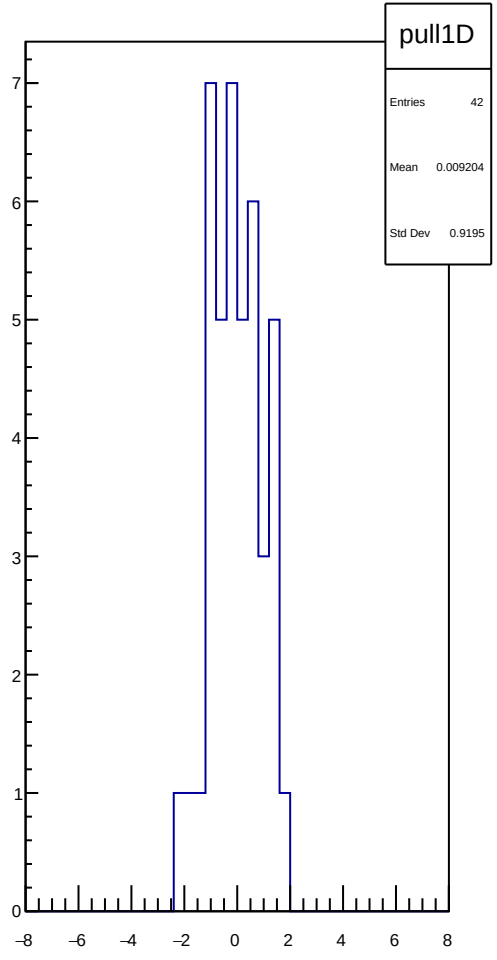

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 117.2 / 41
p0 1941 ± 2.133
2040
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

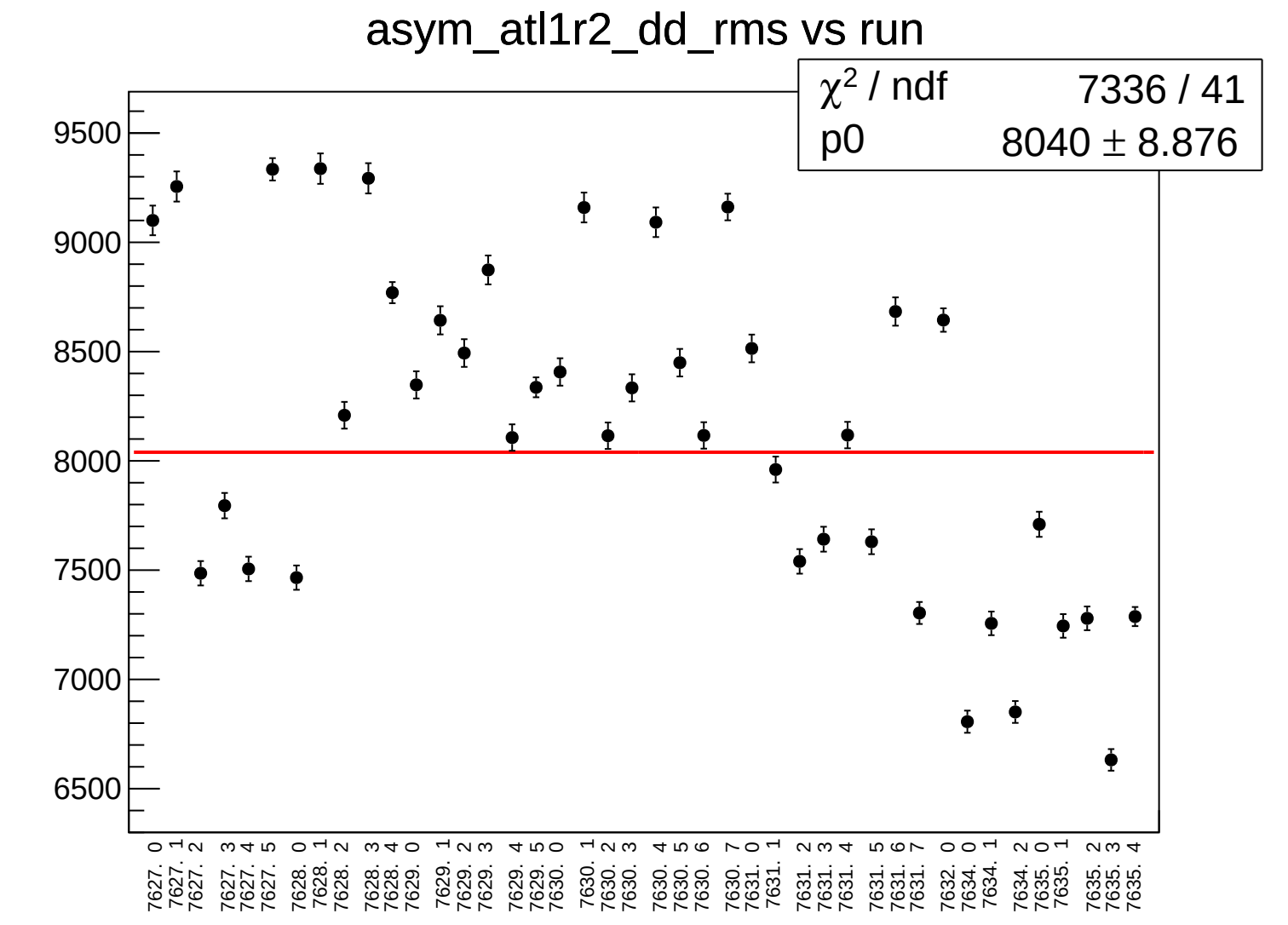

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.29 / 41
p0 −3.118e+04 ± 1.214e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

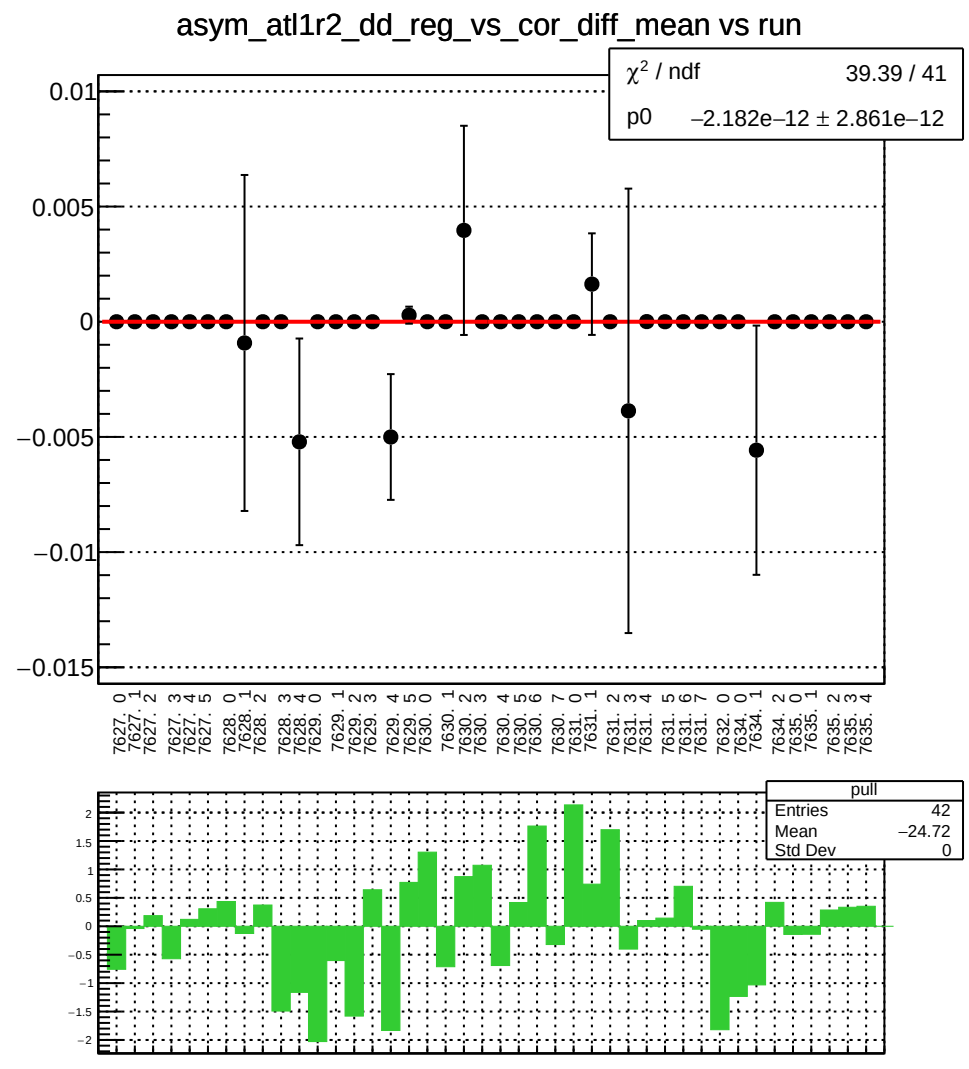

pull1D
Entries 42
Mean −0.01381
Std Dev 0.8768
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

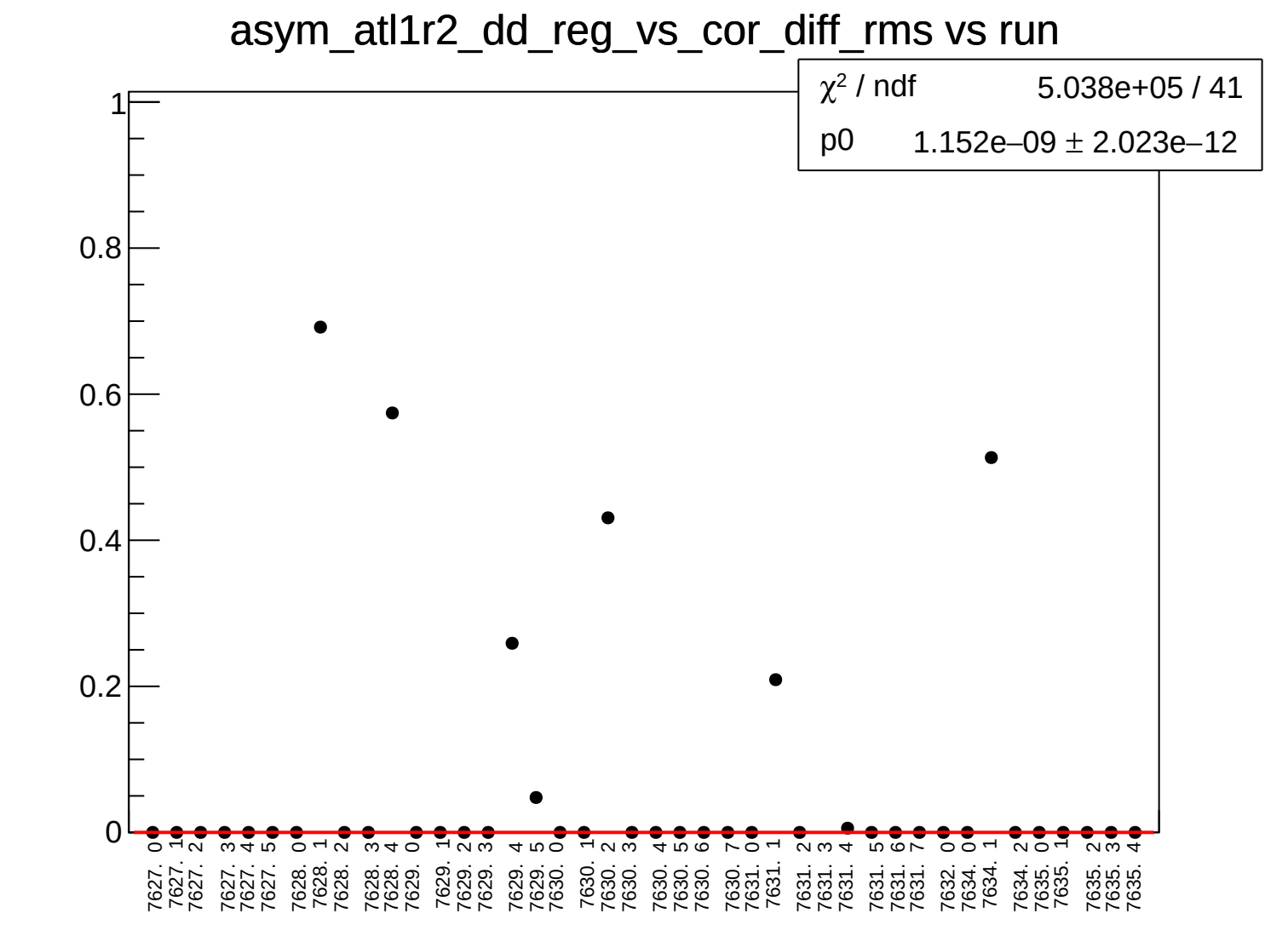

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 9189 / 41
p0 7767 ± 8.584
9500
9000
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

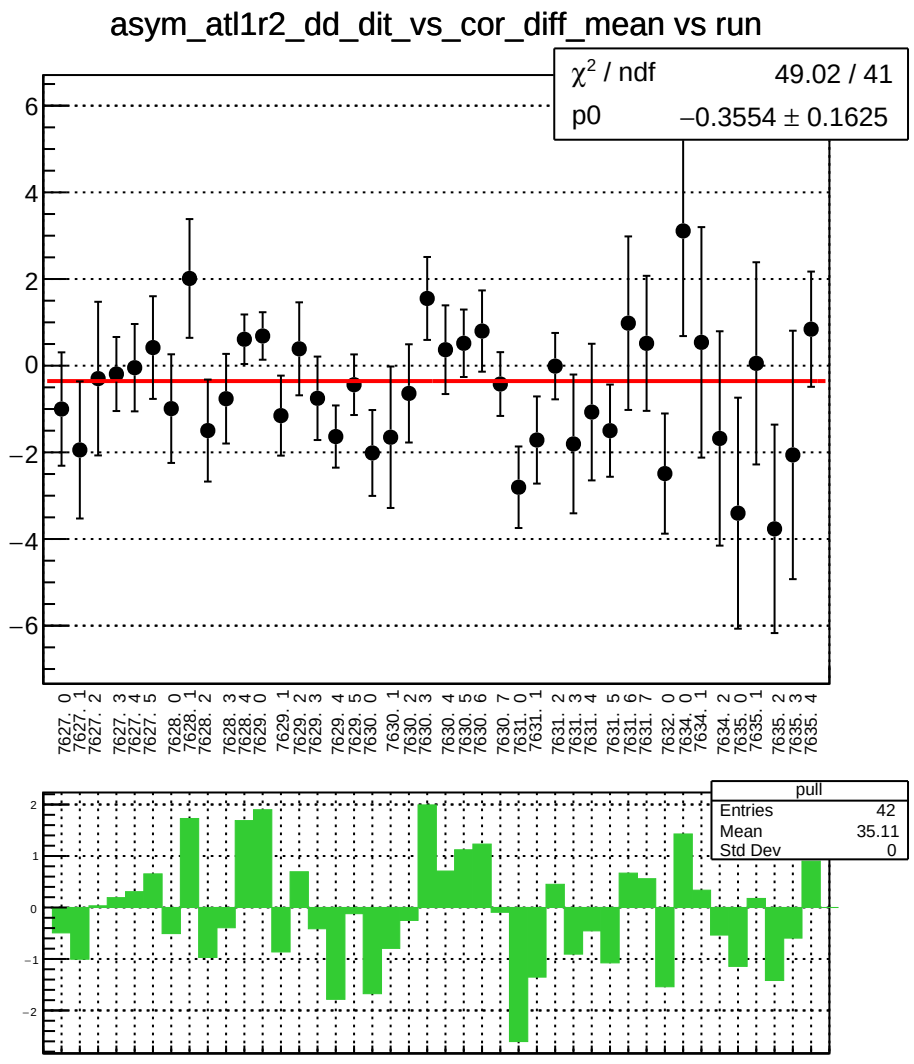

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 35.51 / 41
p0 2.633e+04 ± 1.255e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

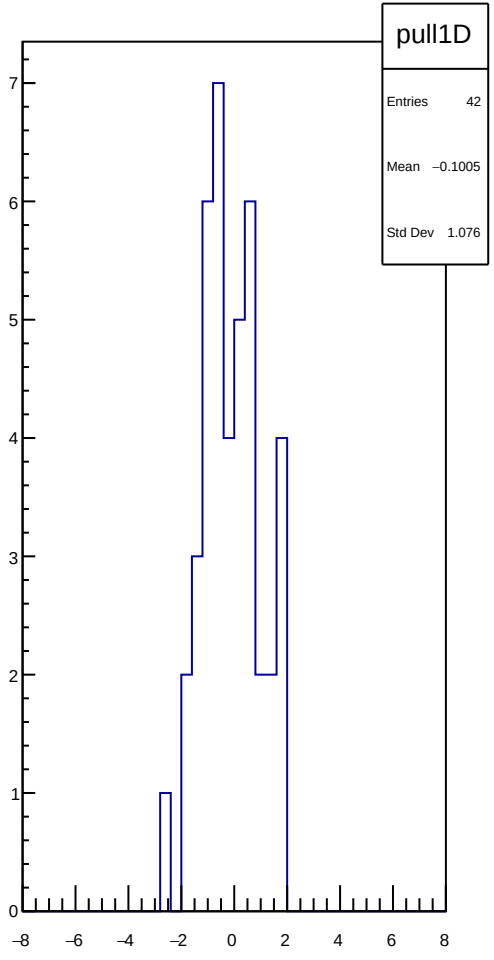

pull1D
Entries 42
Mean 0.009204
Std Dev 0.9195
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

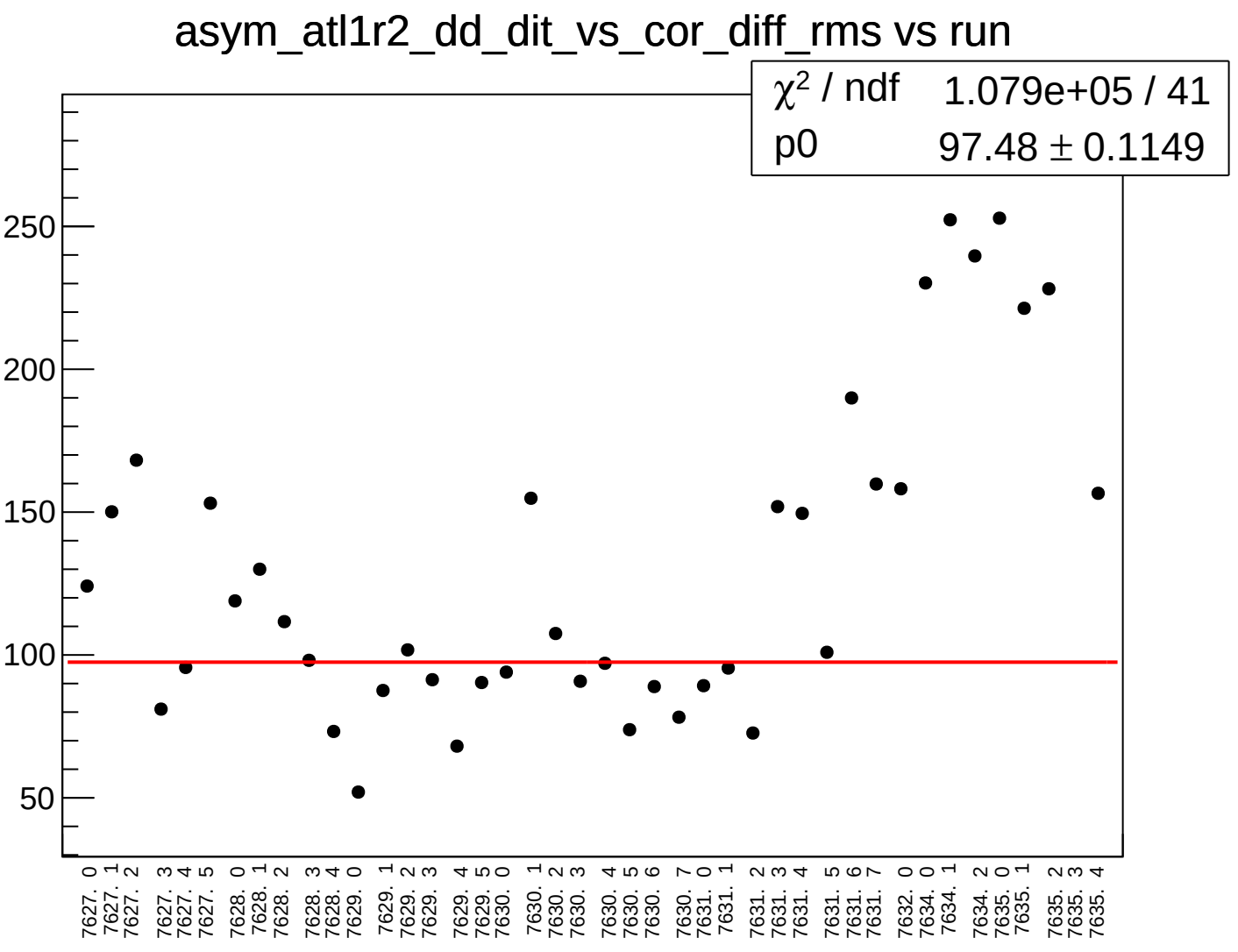

asym_atl1r2_dd_rms vs run
χ² / ndf 7336 / 41
p0 8040 ± 8.876
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

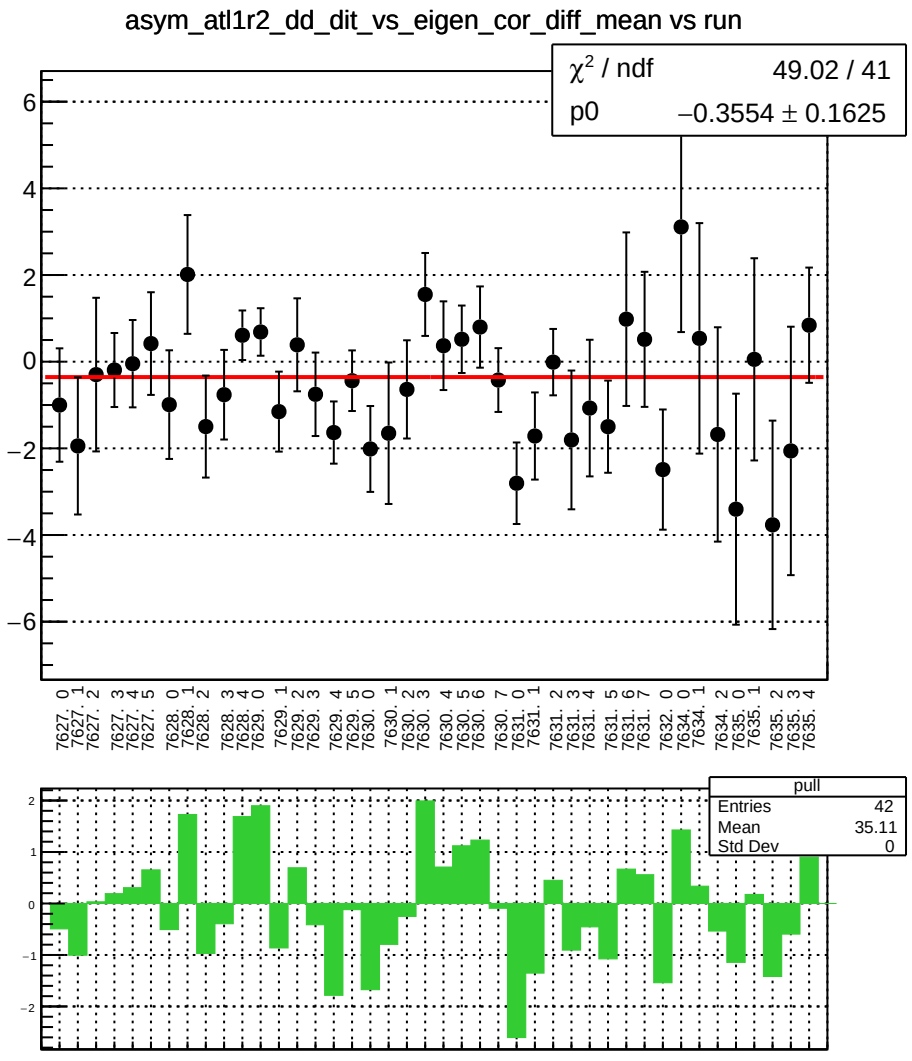

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.39 / 41
p0 −2.182e−12 ± 2.861e−12
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −24.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03687
Std Dev 0.9677
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

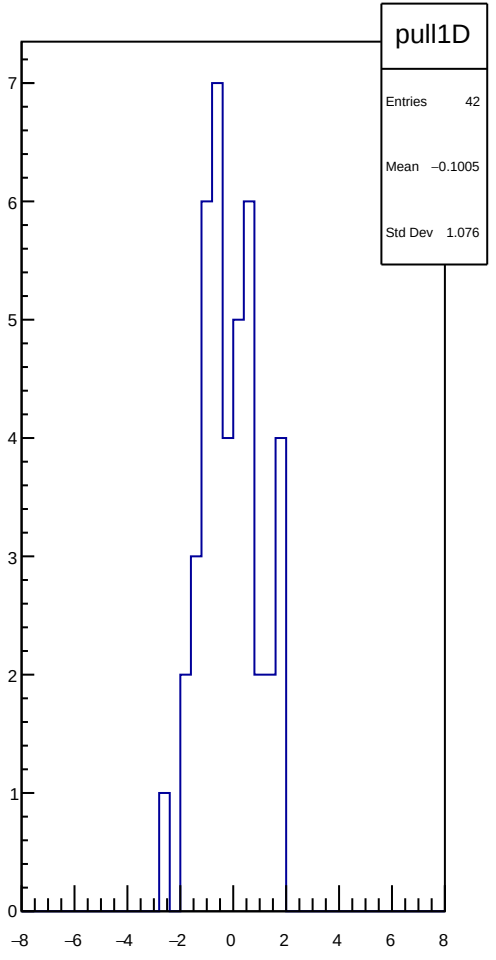

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.038e+05 / 41
p0 1.152e−09 ± 2.023e−12
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

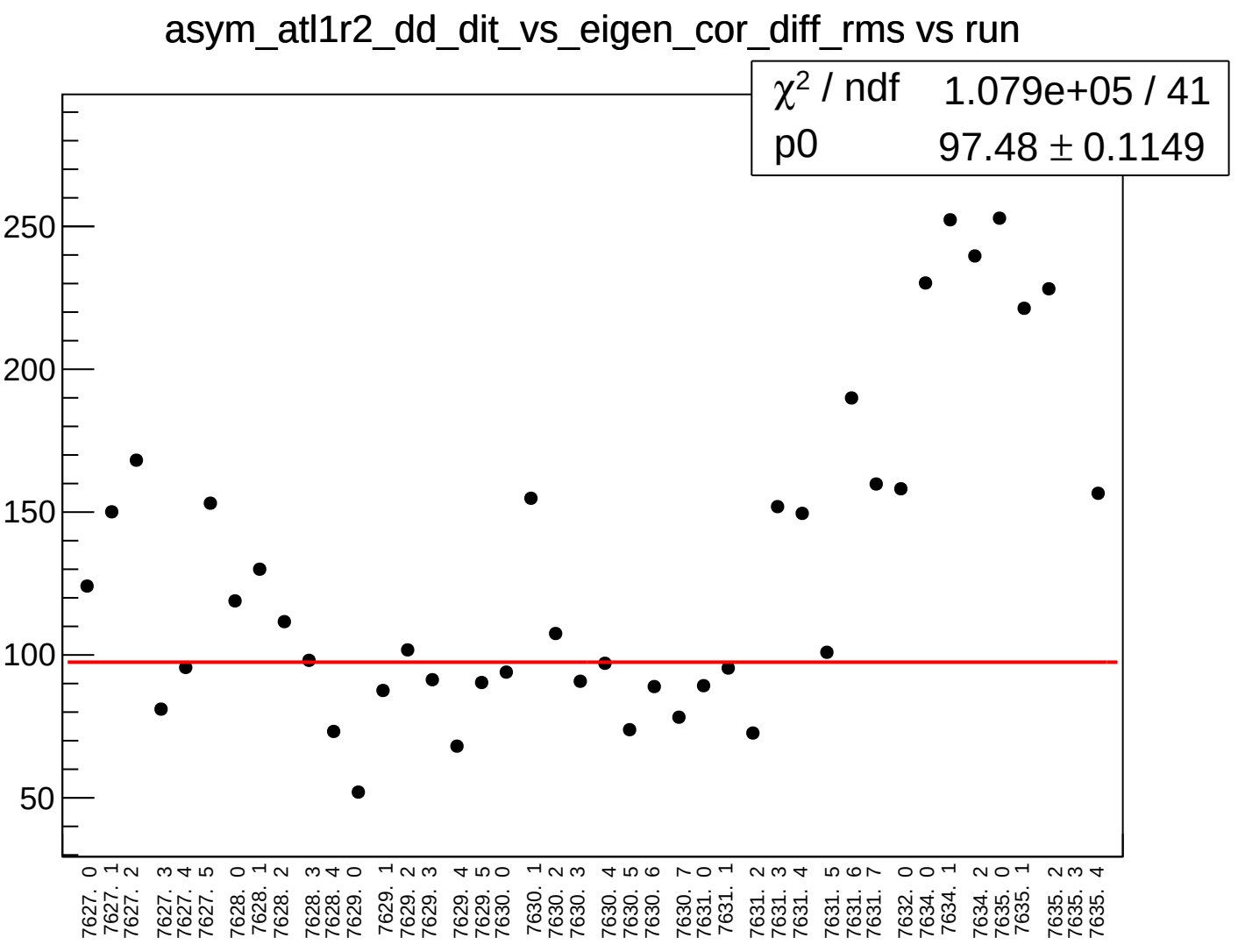

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.02 / 41
p0 −0.3554 ± 0.1625
pull
Entries 42
Mean 35.11
Std Dev 0

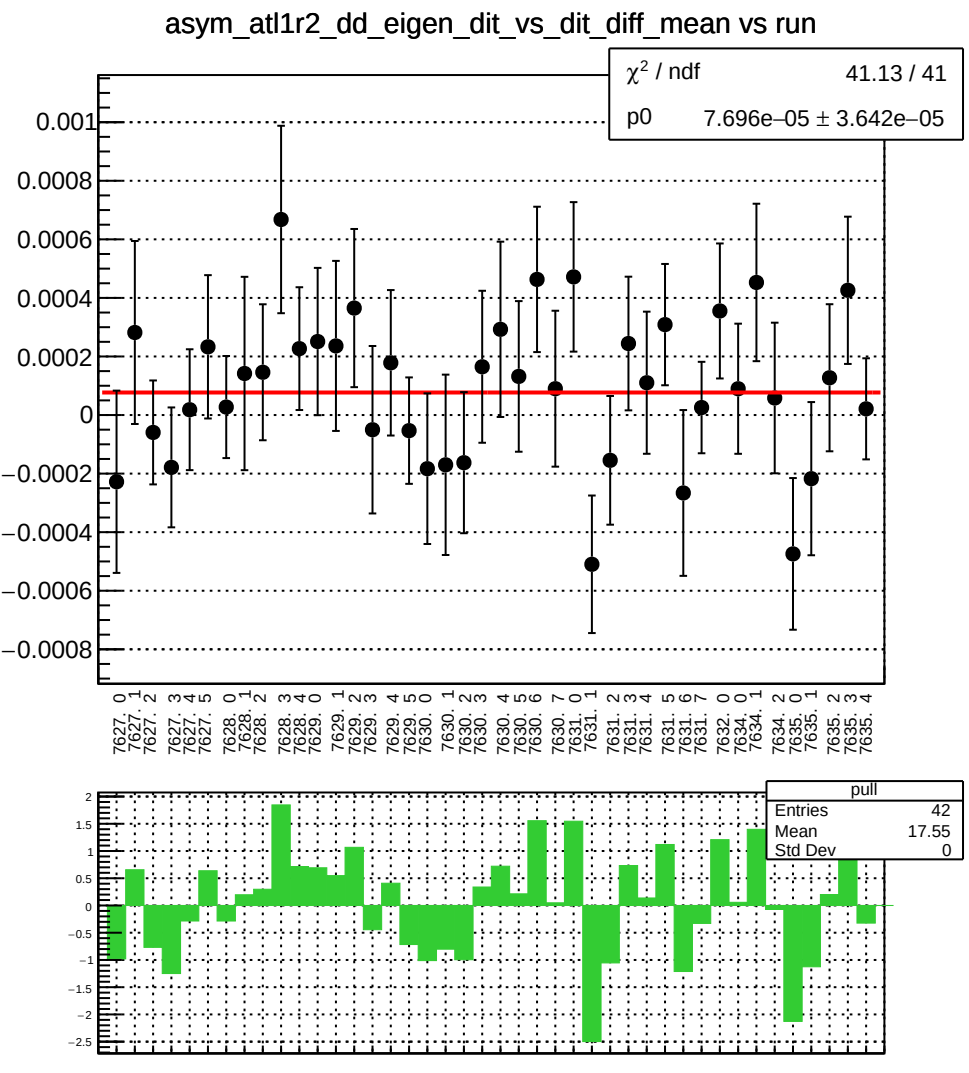

pull1D
Entries 42
Mean −0.1005
Std Dev 1.076

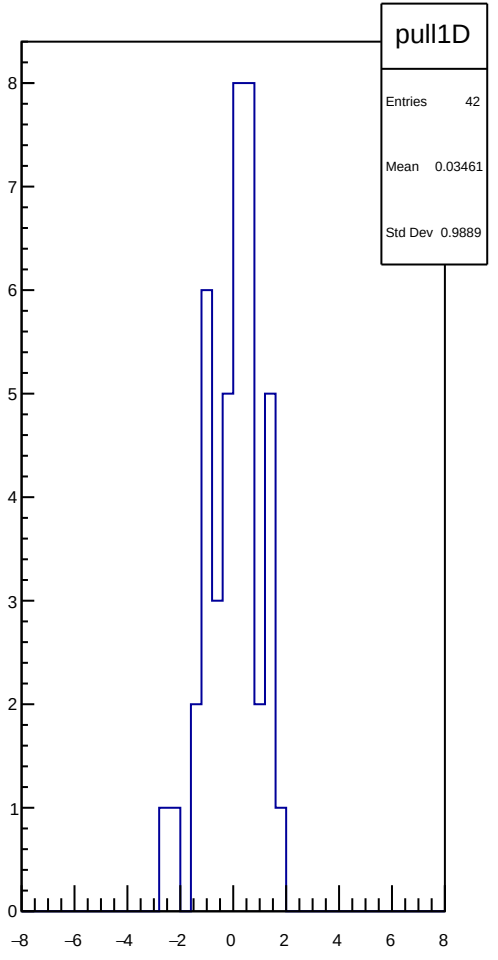

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.079e+05 / 41
p0 97.48 ± 0.1149
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

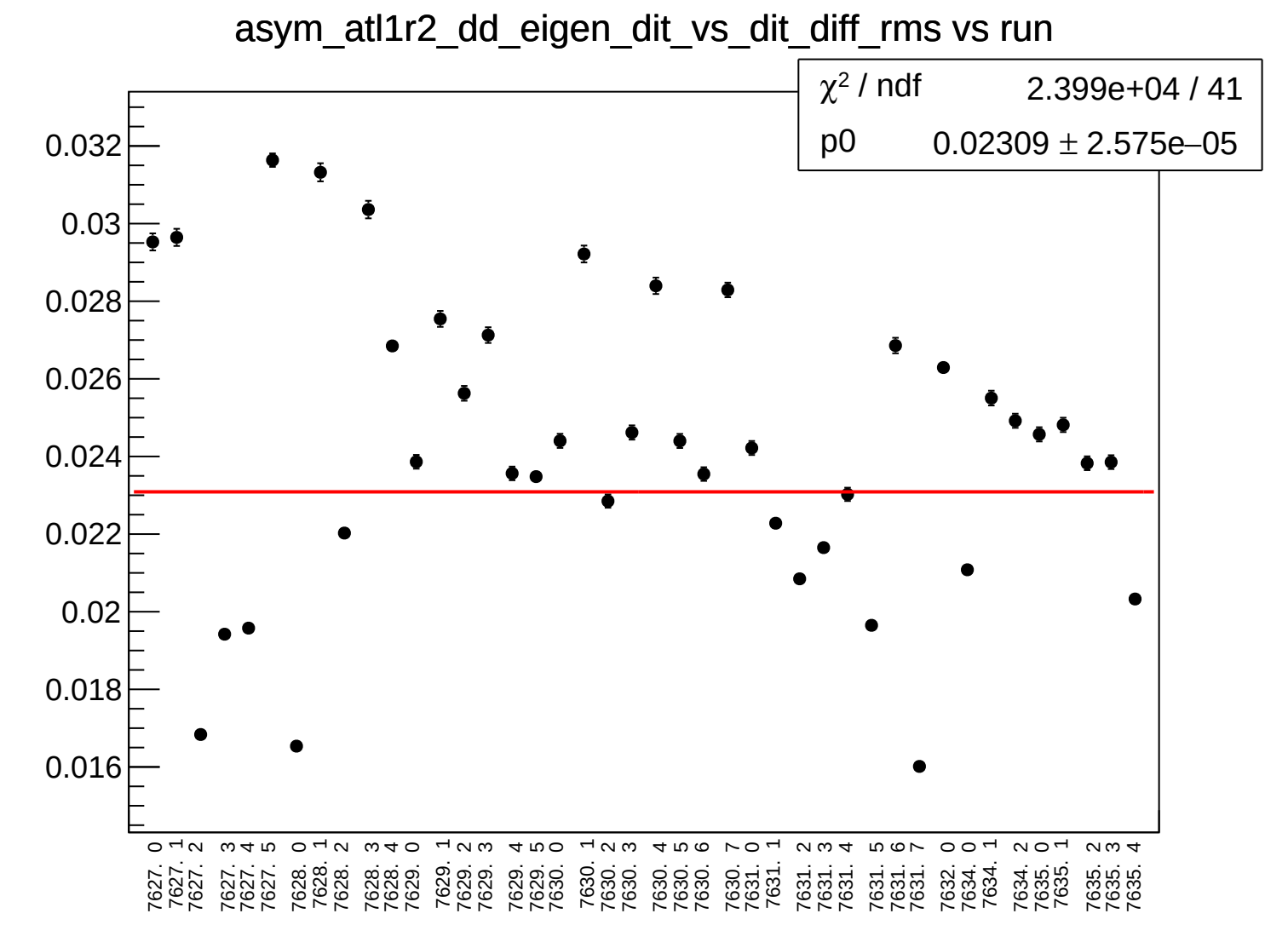

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.02 / 41
p0 −0.3554 ± 0.1625
pull
Entries 42
Mean 35.11
Std Dev 0

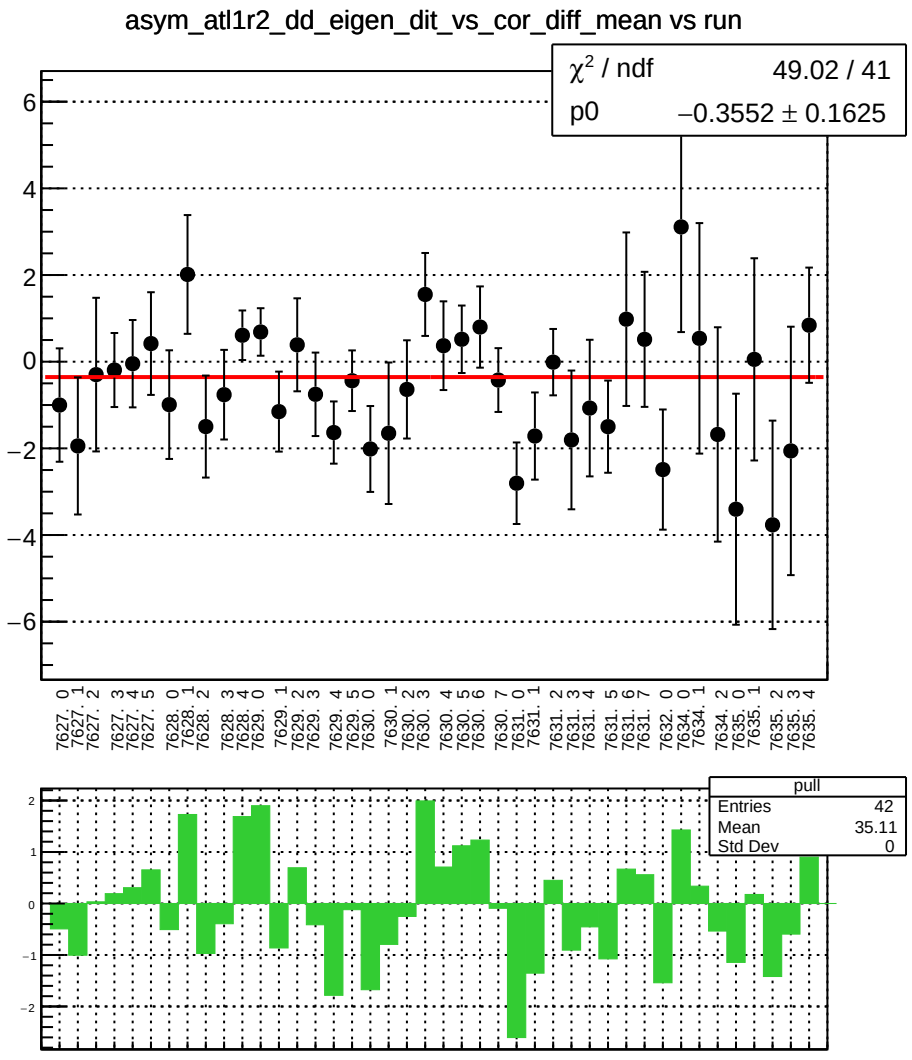

pull1D
Entries 42
Mean −0.1005
Std Dev 1.076

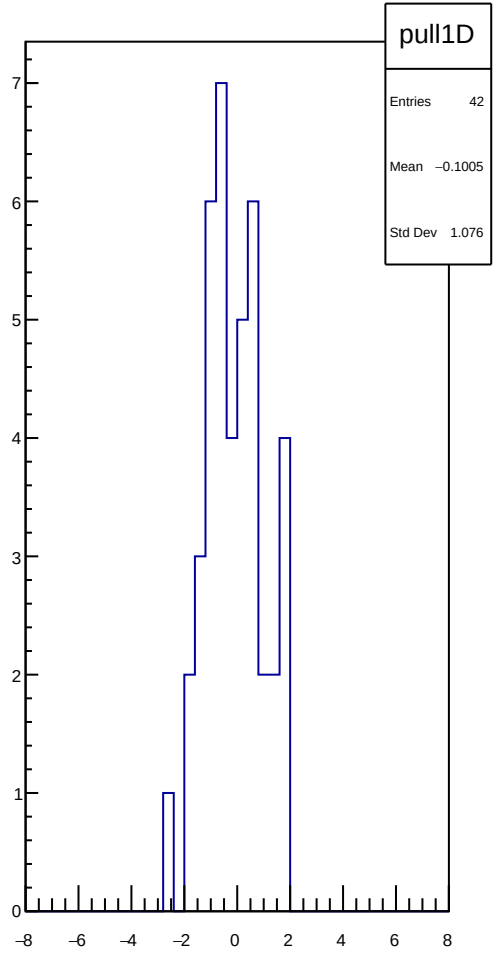

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.079e+05 / 41
p0 97.48 ± 0.1149
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

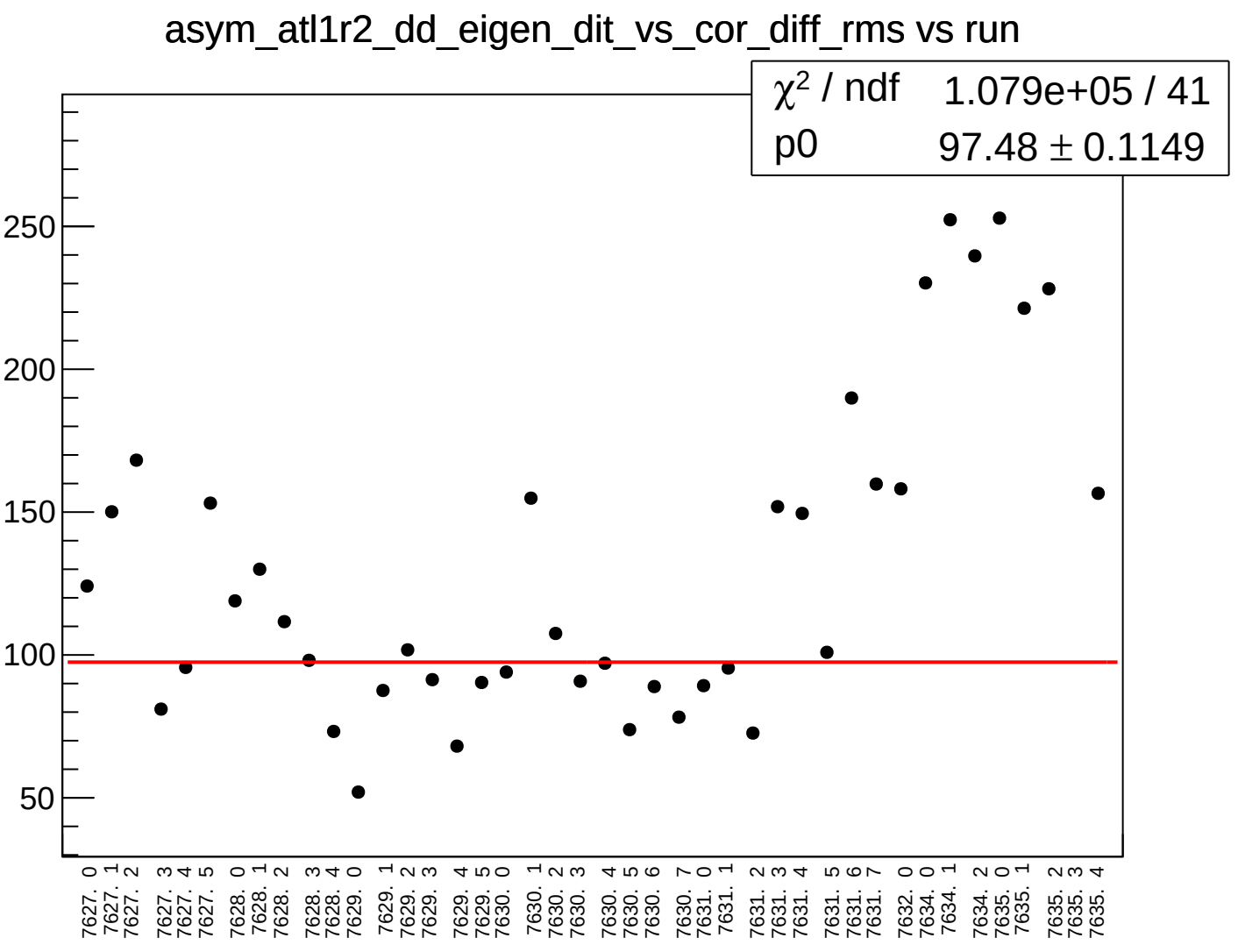

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 41.13 / 41
p0 7.696e−05 ± 3.642e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

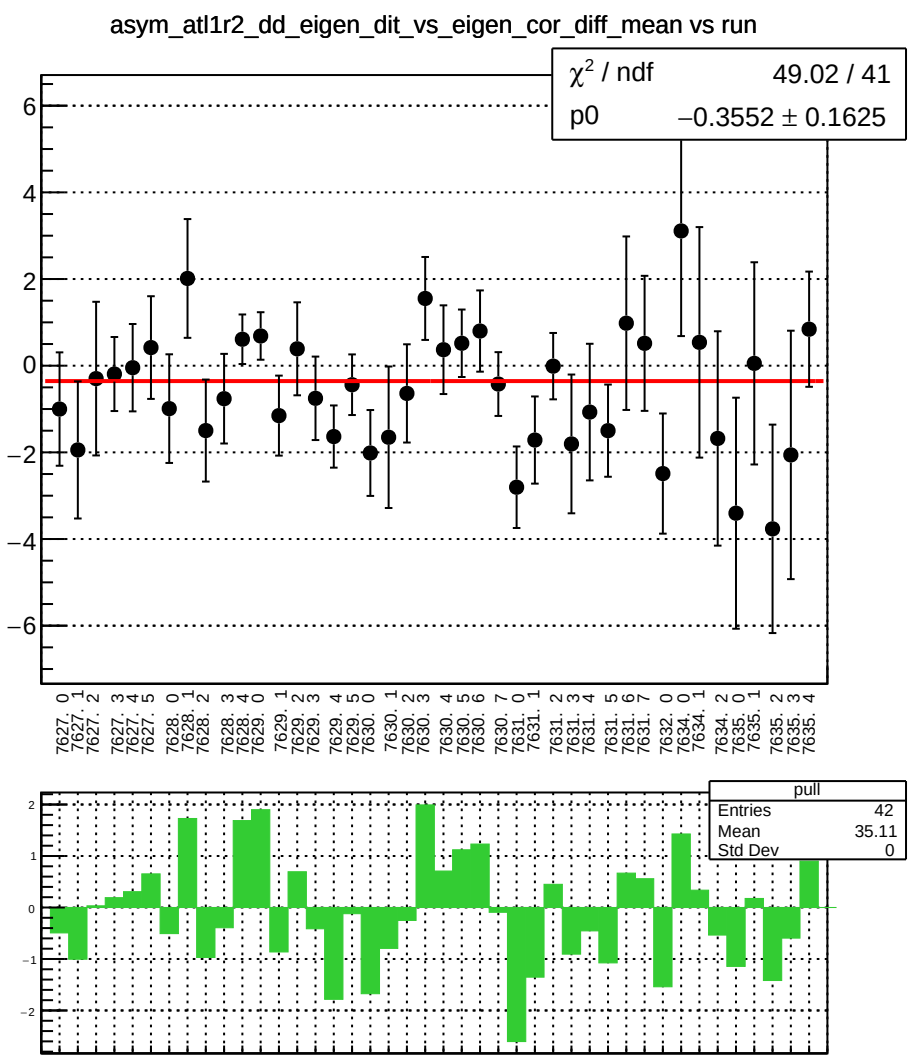

pull1D
Entries 42
Mean 0.03461
Std Dev 0.9889
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

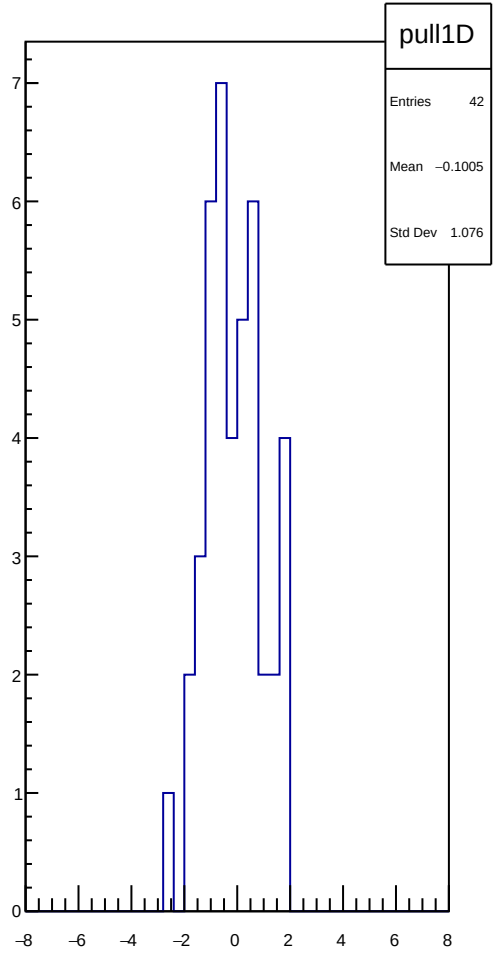

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.399e+04 / 41
p0 0.02309 ± 2.575e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

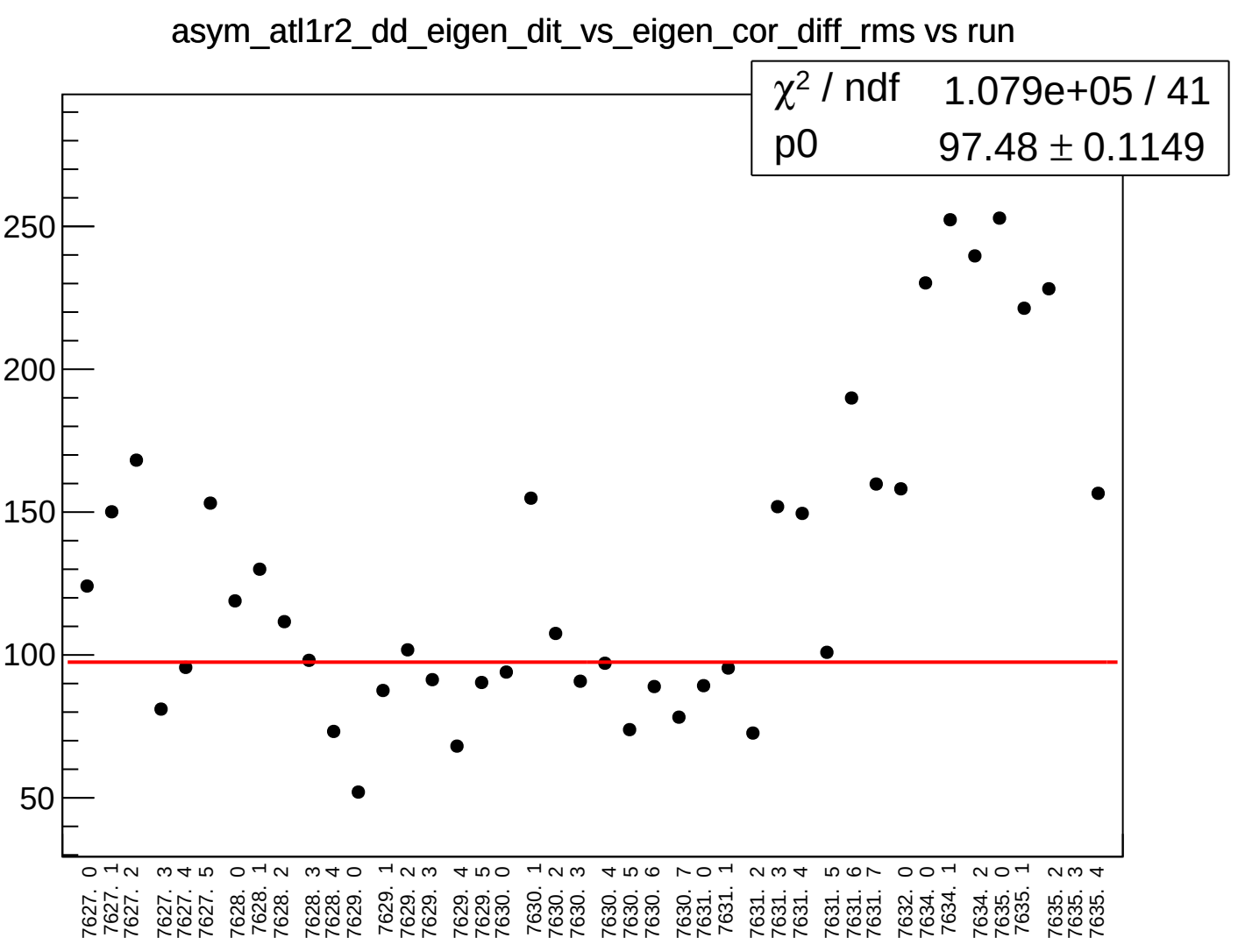

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.02 / 41
p0 −0.3552 ± 0.1625
pull
Entries 42
Mean 35.11
Std Dev 0

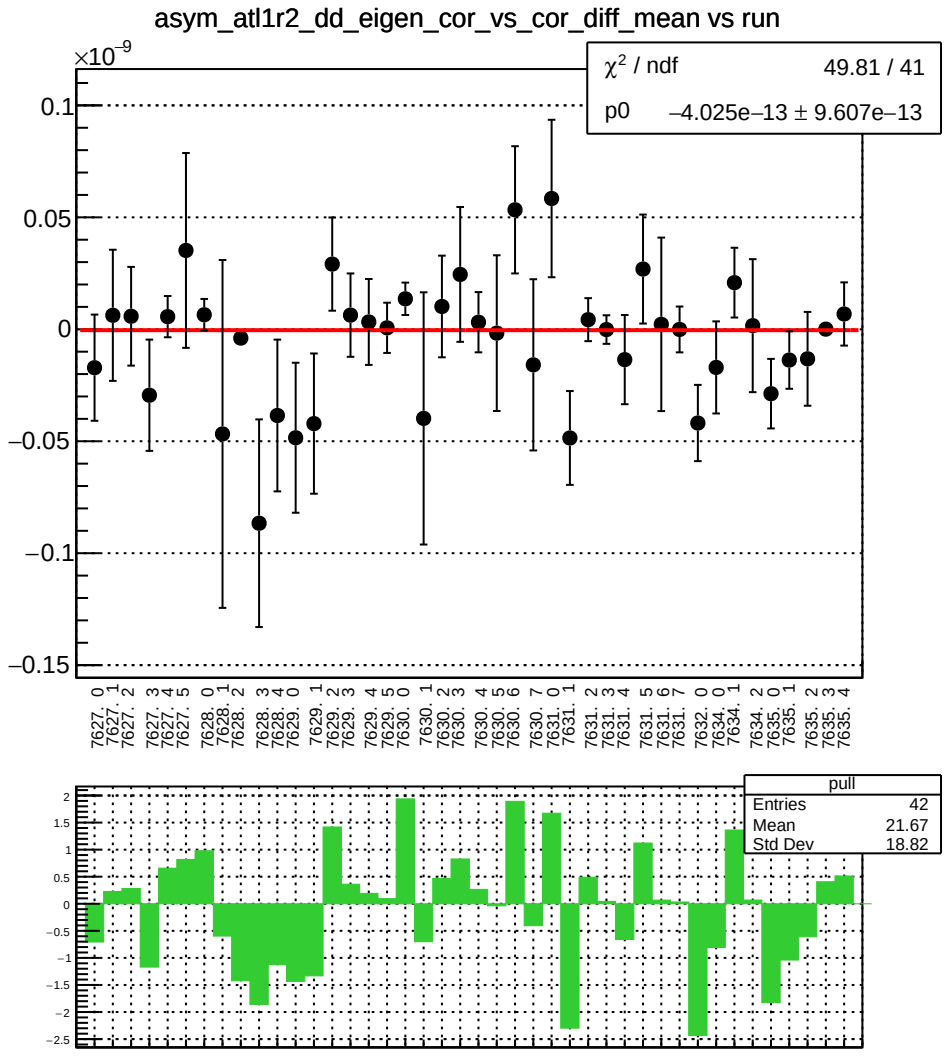

pull1D
Entries 42
Mean −0.1005
Std Dev 1.076

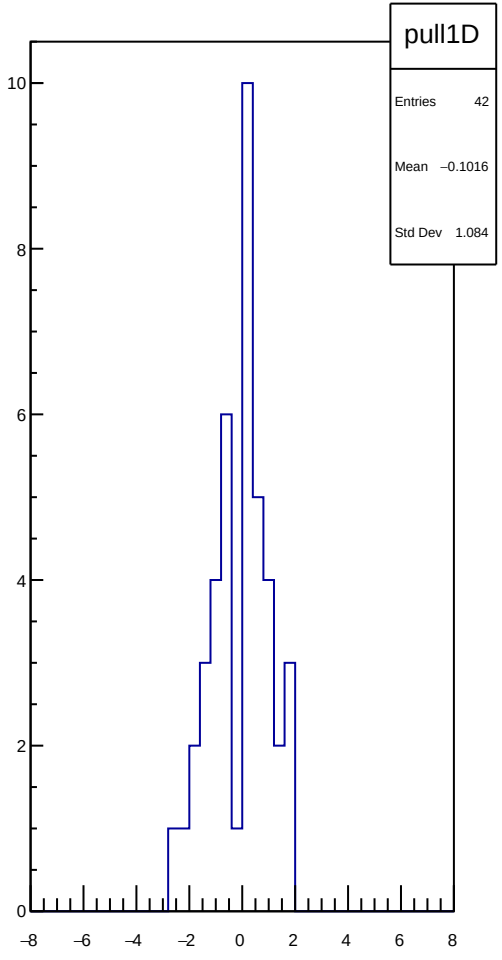

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.079e+05 / 41
p0 97.48 ± 0.1149
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

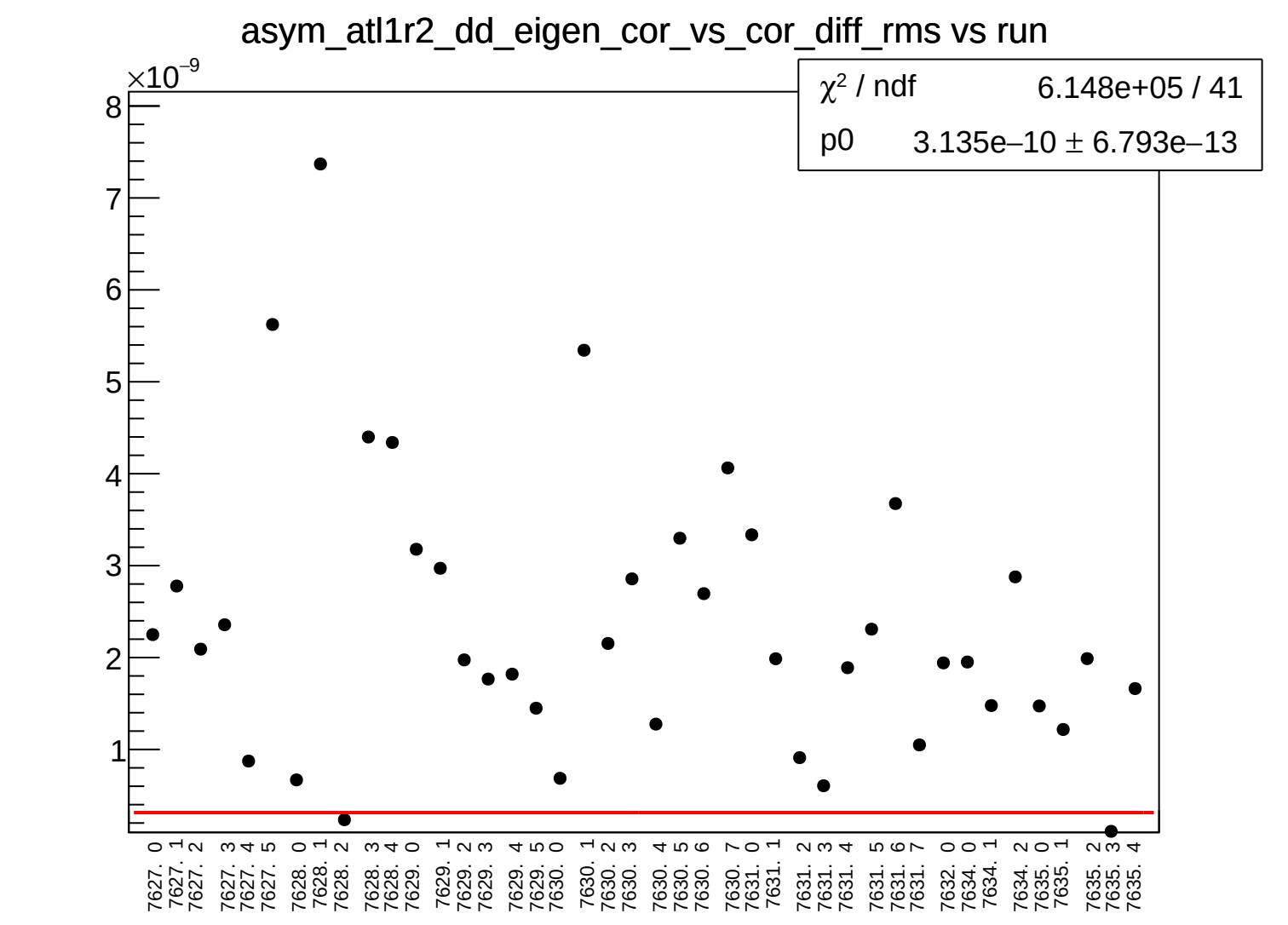

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.02 / 41
p0 −0.3552 ± 0.1625
pull
Entries 42
Mean 35.11
Std Dev 0


pull1D
Entries 42
Mean −0.1005
Std Dev 1.076


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.079e+05 / 41
p0 97.48 ± 0.1149
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 49.81 / 41
p0 −4.025e−13 ± 9.607e−13
pull
Entries 42
Mean 21.67
Std Dev 18.82


pull1D
Entries 42
Mean −0.1016
Std Dev 1.084


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.148e+05 / 41
p0 3.135e−10 ± 6.793e−13
8
7
6
5
4
3
2
1
7627. 0
7627. 1
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7627. 3
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7628. 3
7628. 4
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7629. 3
7629. 4
7629. 5
7630. 0
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7630. 2
7630. 3
7630. 4
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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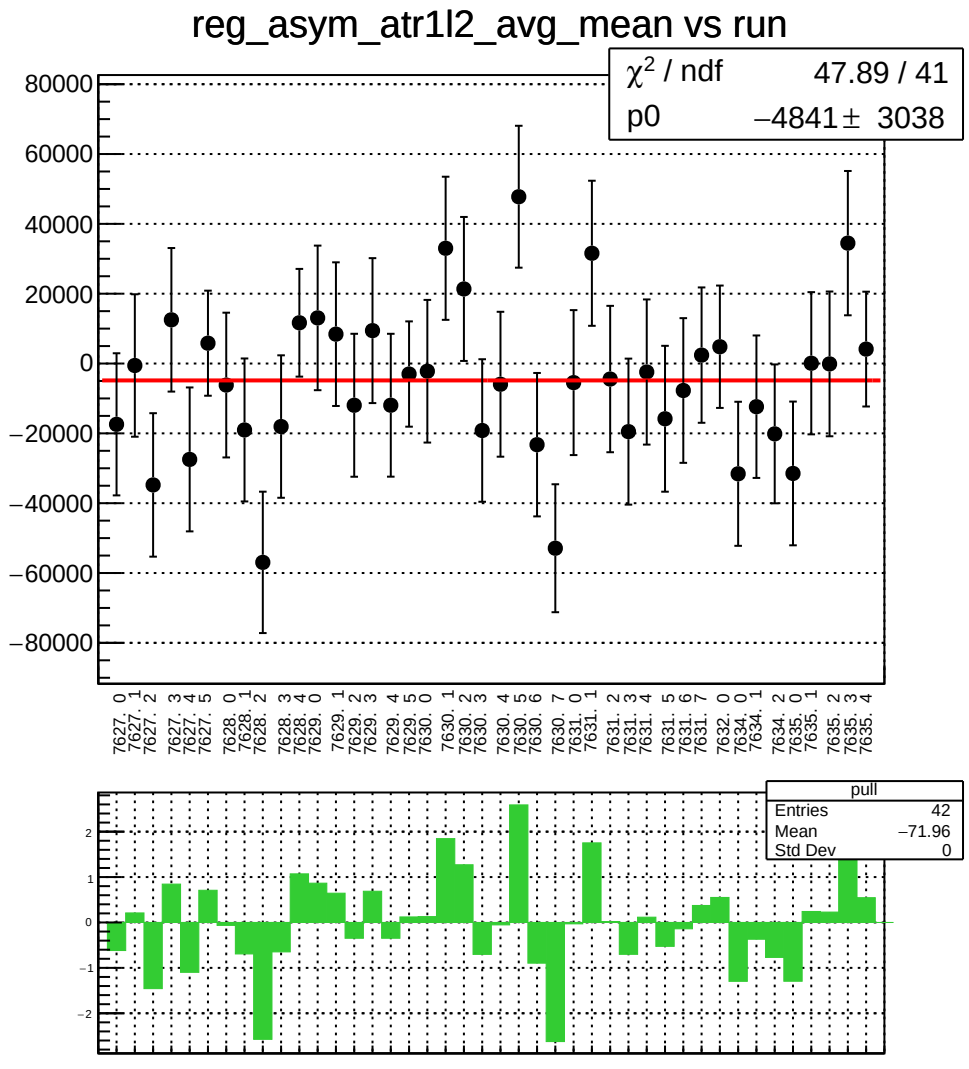
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


reg_asym_atr1l2_avg_mean vs run
χ² / ndf 47.89 / 41
p0 −4841 ± 3038
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −71.96
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.01251
Std Dev 1.068
8
7
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5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
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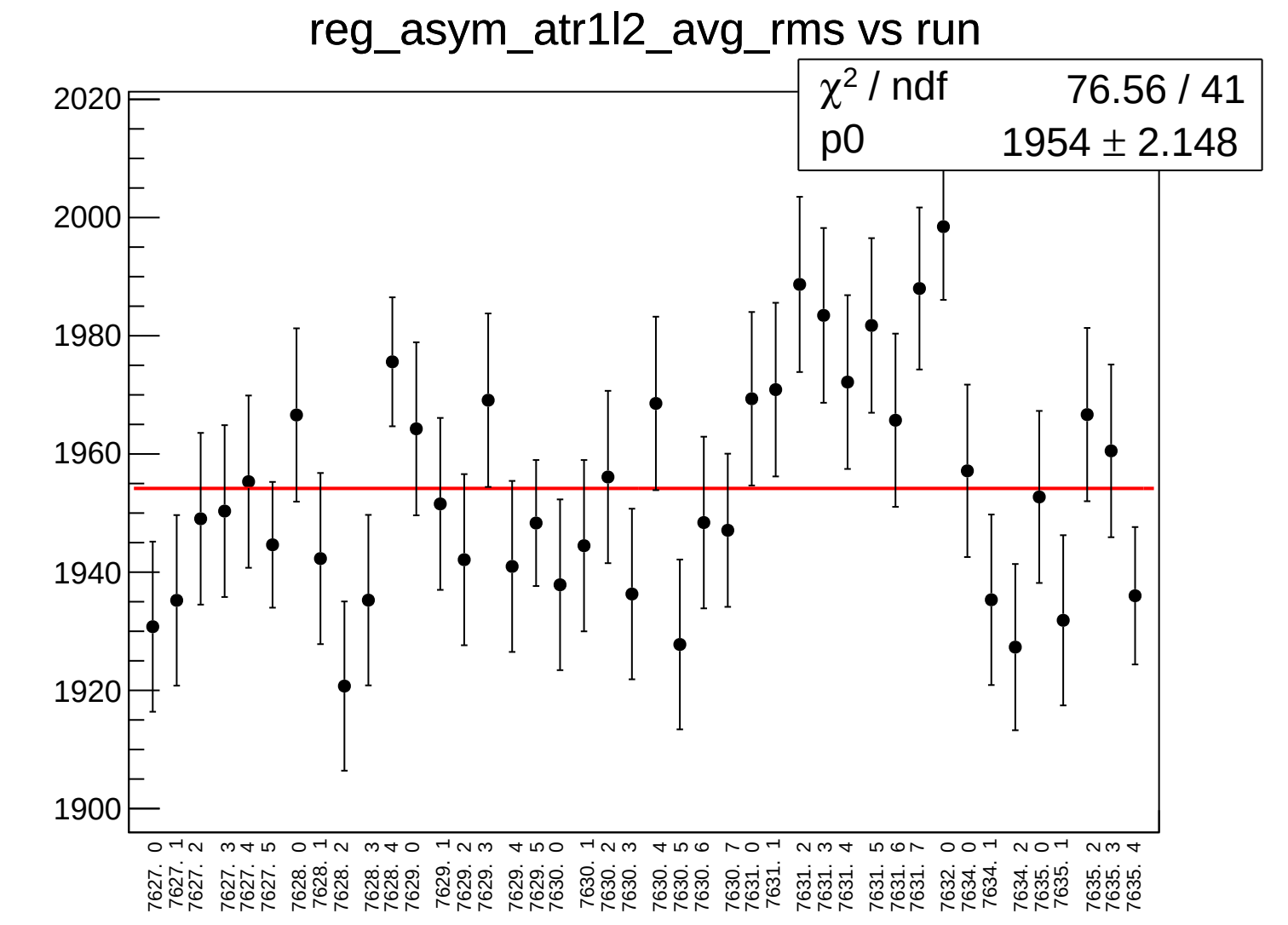
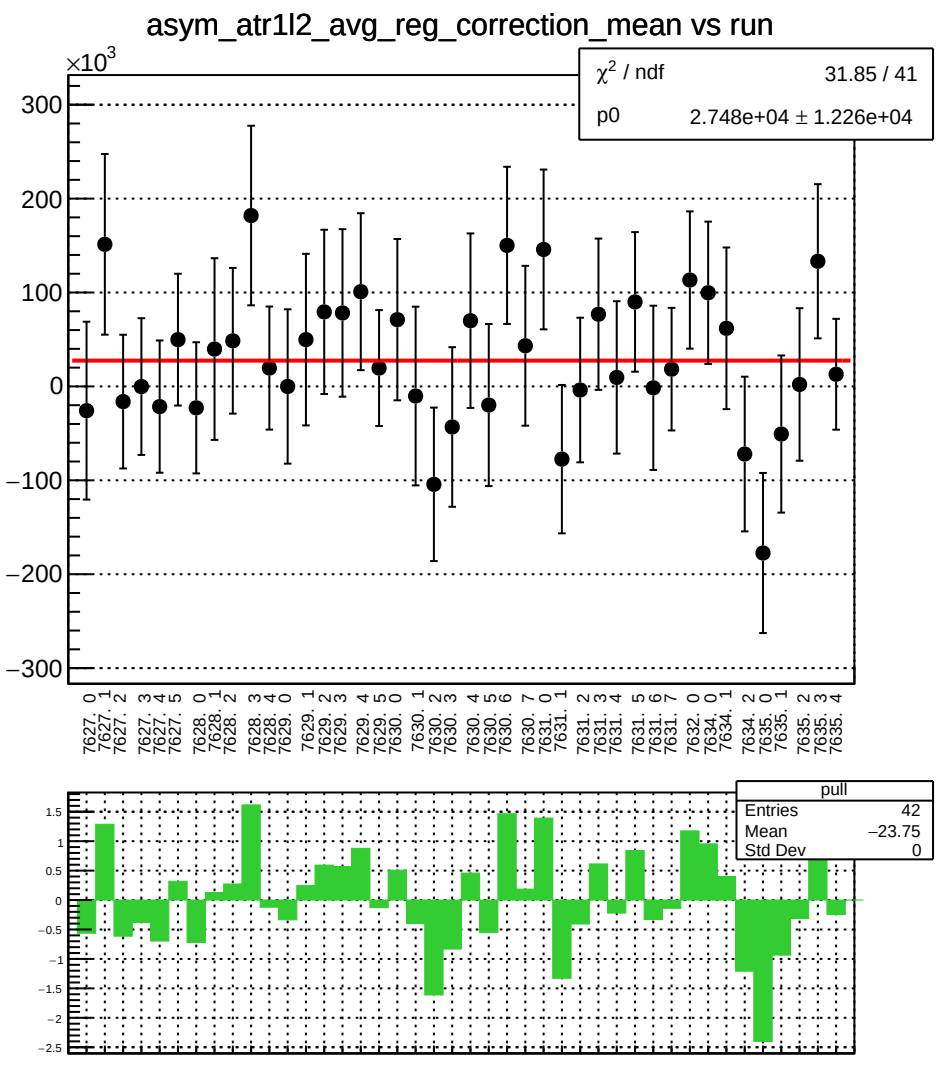
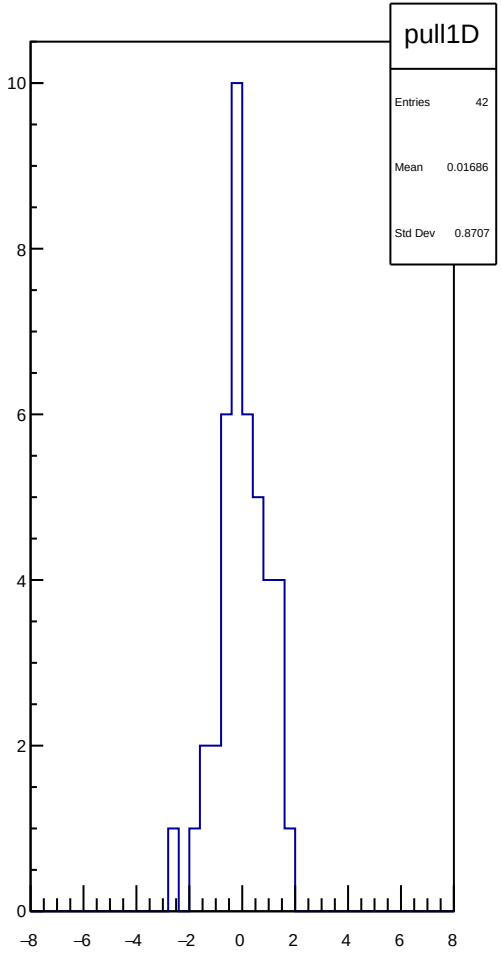
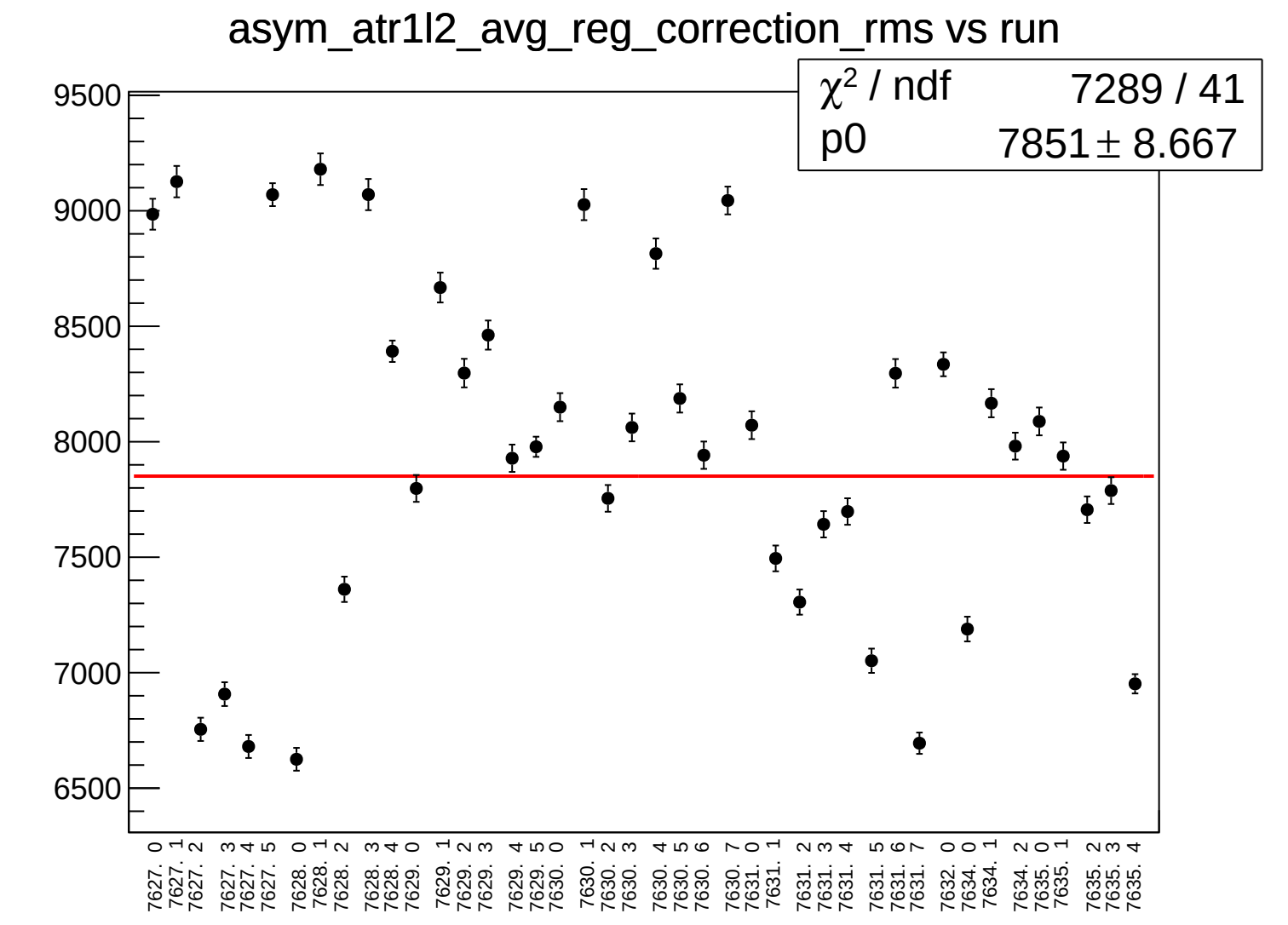

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 76.56 / 41
p0 1954 ± 2.148
2020
2000
1980
1960
1940
1920
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 31.85 / 41
p0 2.748e+04 ± 1.226e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.01686
Std Dev 0.8707
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 7289 / 41
p0 7851 ± 8.667
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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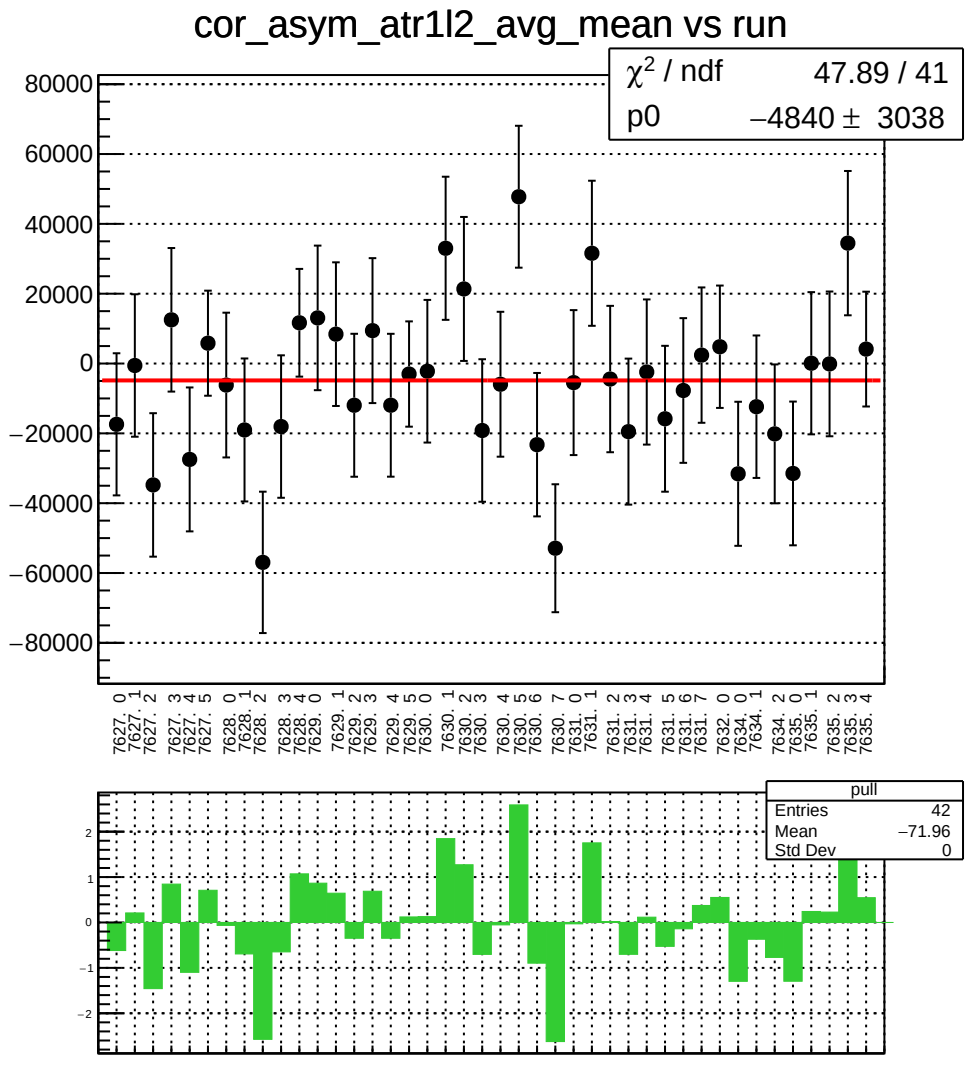
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_atr1l2_avg_mean vs run
χ² / ndf 47.89 / 41
p0 −4840 ± 3038
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −71.96
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.01251
Std Dev 1.068
8
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1
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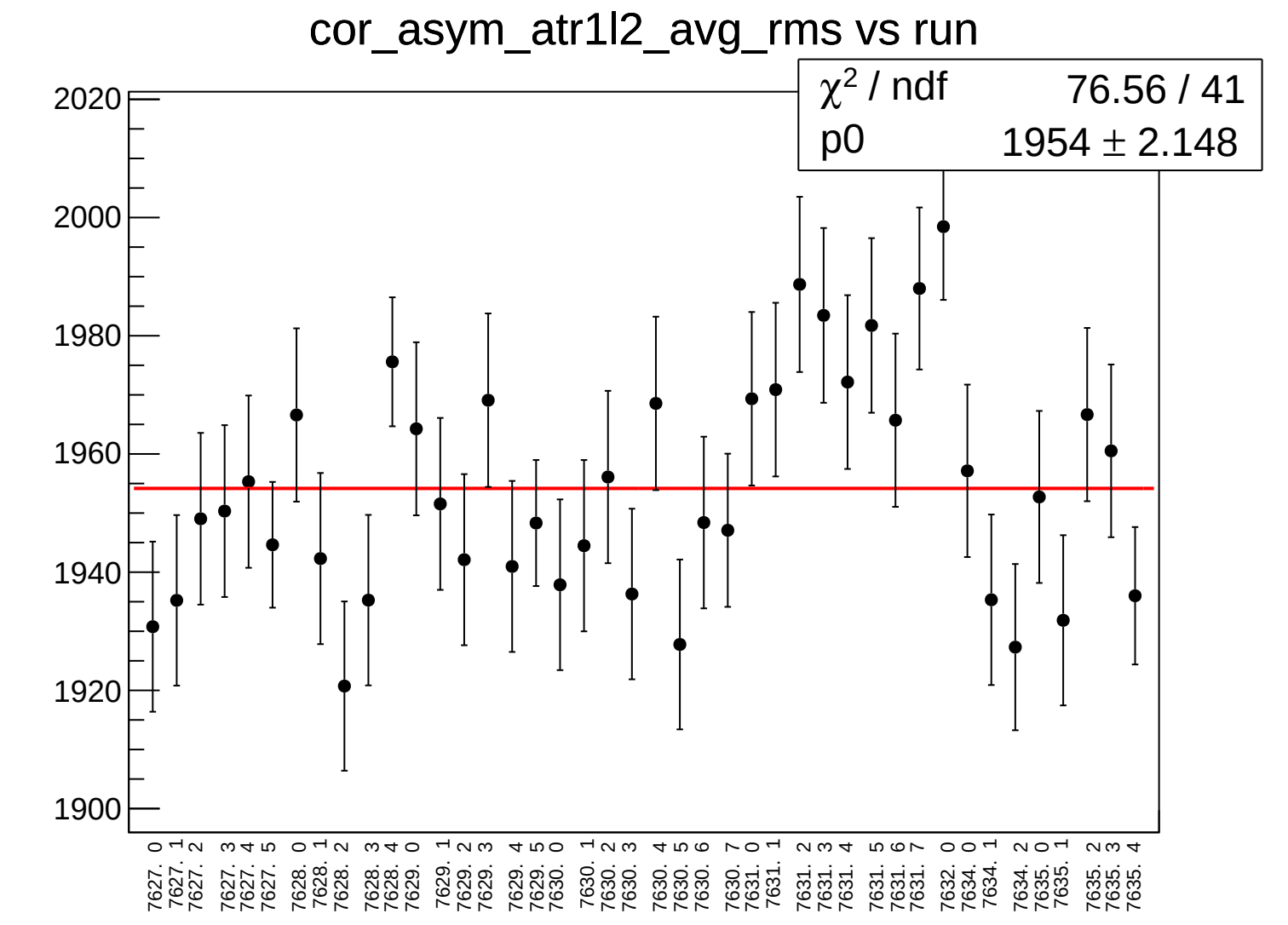
−4
−2
0
2
4
6
8


cor_asym_atr1l2_avg_rms vs run
χ² / ndf 76.56 / 41
p0 1954 ± 2.148
2020
2000
1980
1960
1940
1920
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
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7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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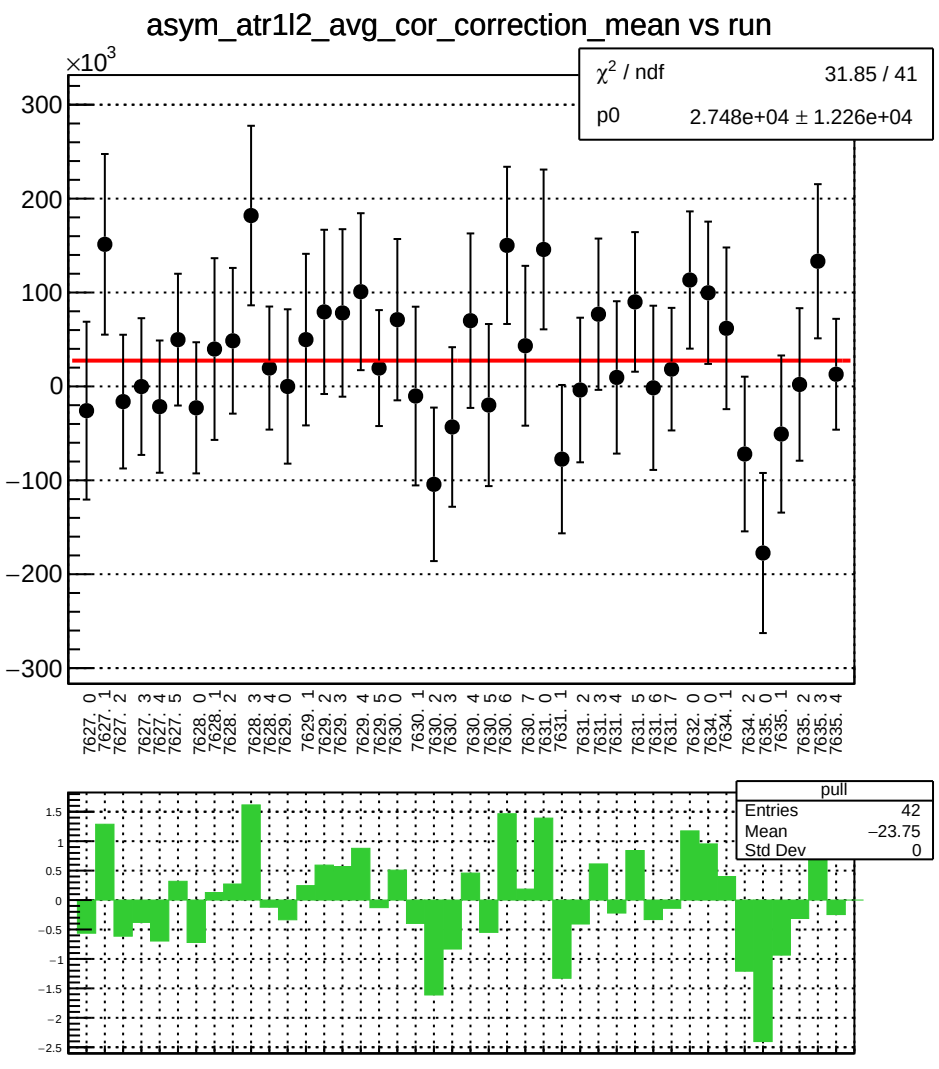
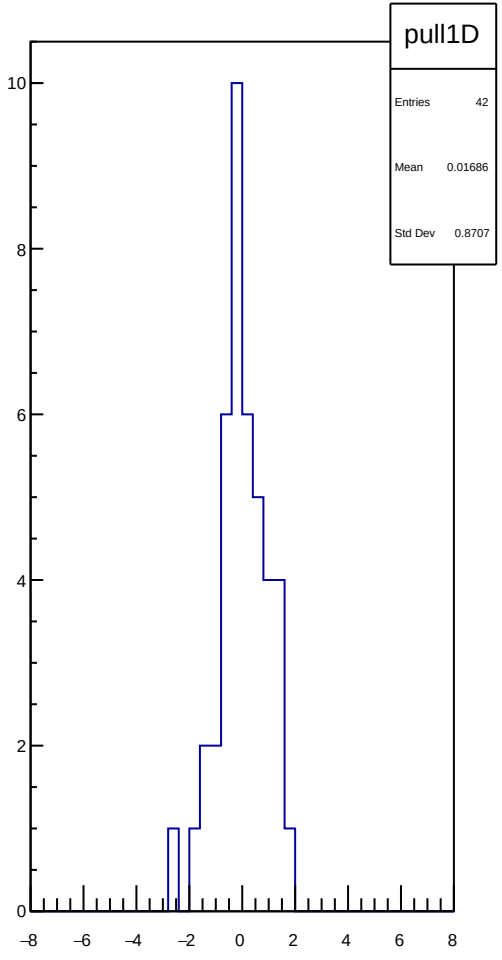
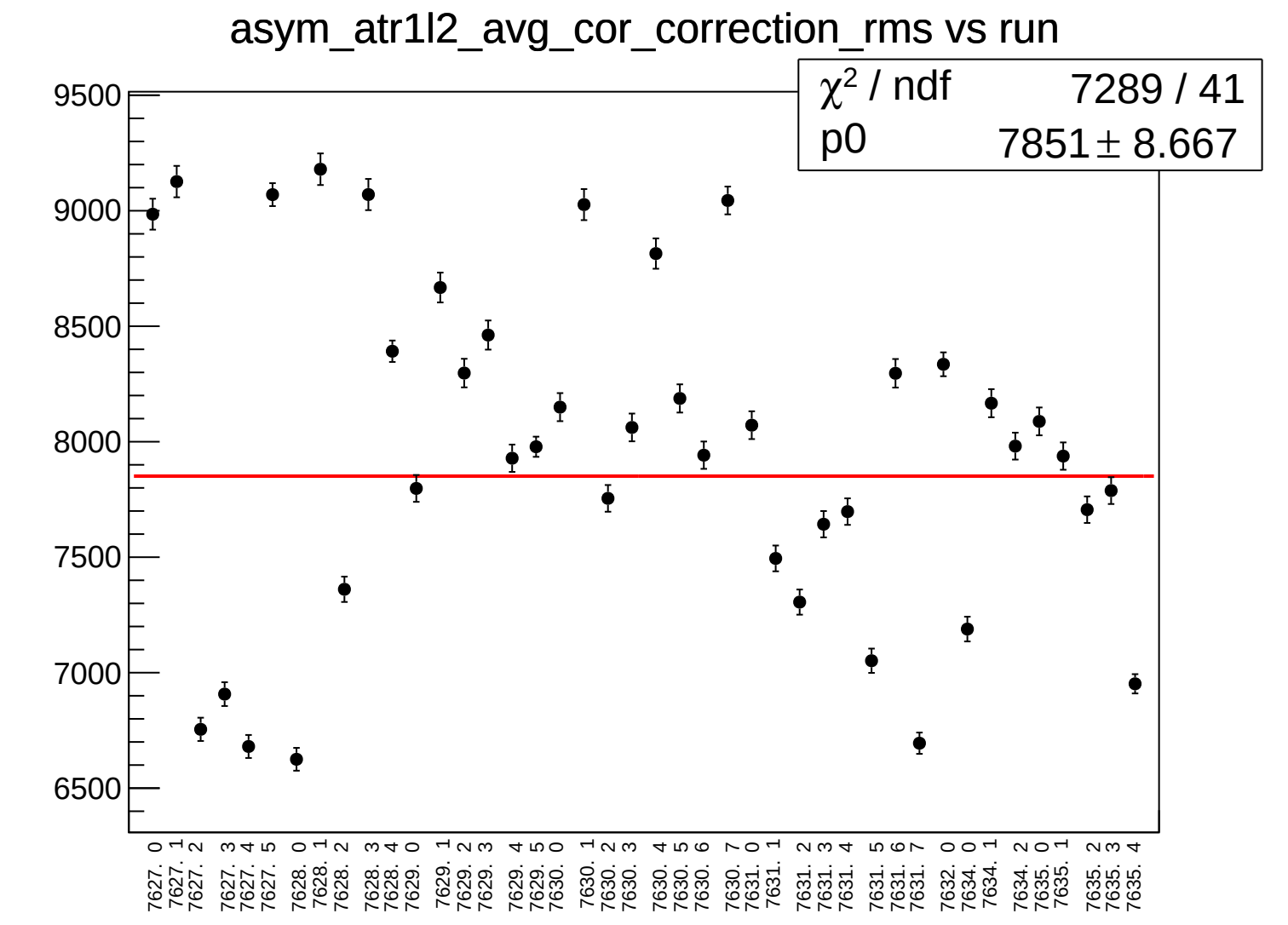
7635. 3
7635. 4


asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 31.85 / 41
p0 2.748e+04 ± 1.226e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.01686
Std Dev 0.8707
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 7289 / 41
p0 7851 ± 8.667
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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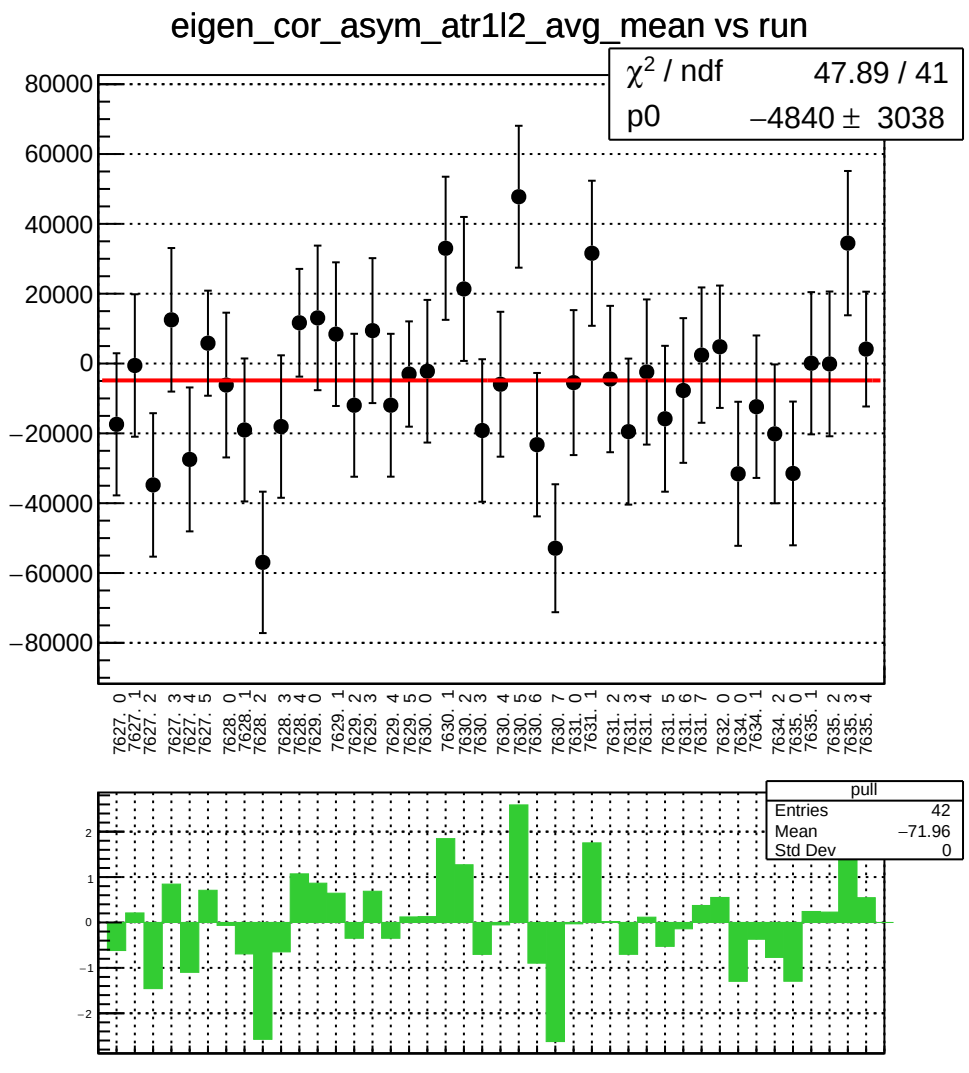
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 47.89 / 41
p0 −4840 ± 3038
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −71.96
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.01251
Std Dev 1.068
8
7
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−4
−2
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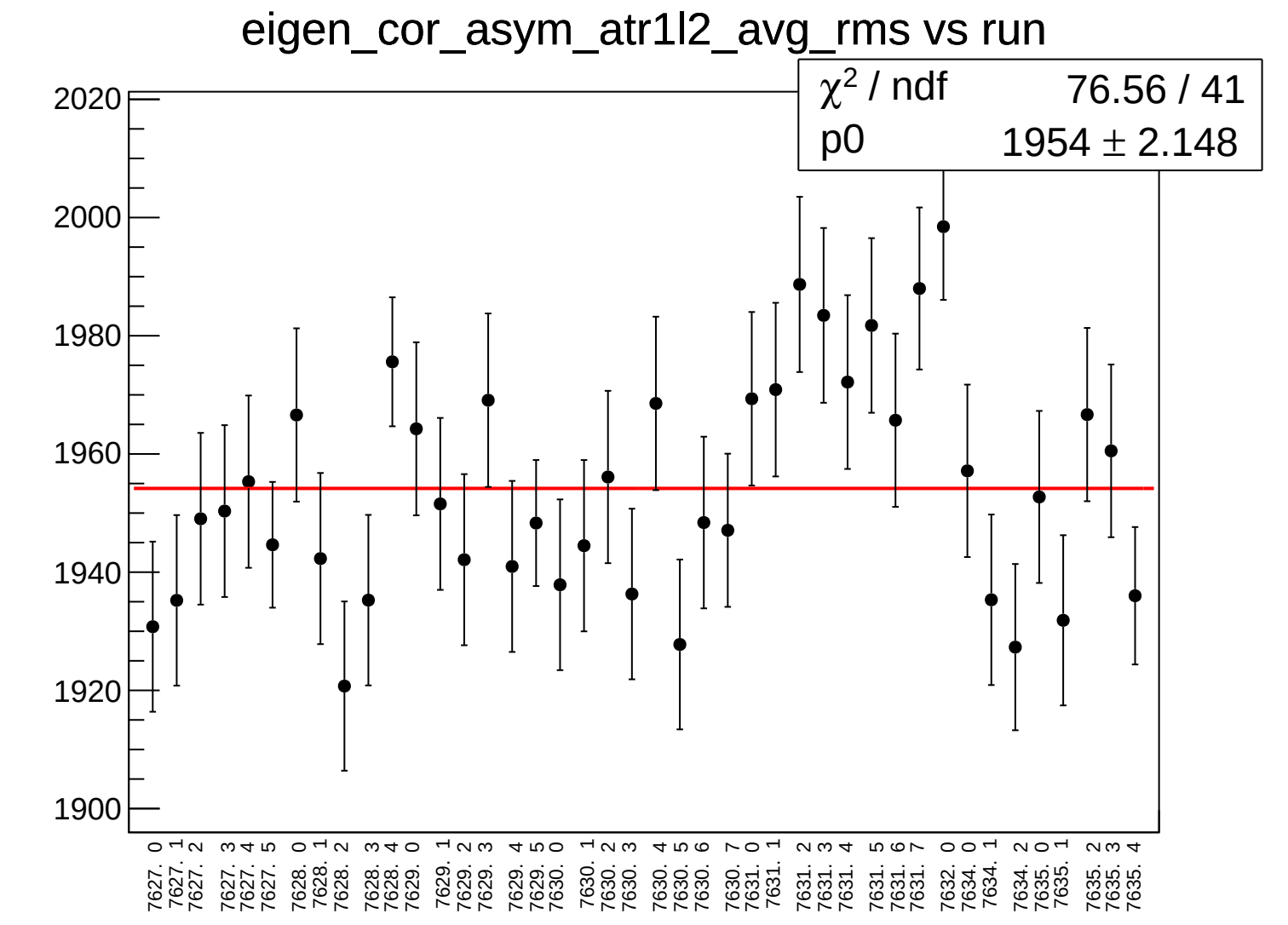
6
8


eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 76.56 / 41
p0 1954 ± 2.148
2020
2000
1980
1960
1940
1920
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
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7628. 3
7628. 4
7629. 0
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7629. 2
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7630. 2
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7631. 1
7631. 2
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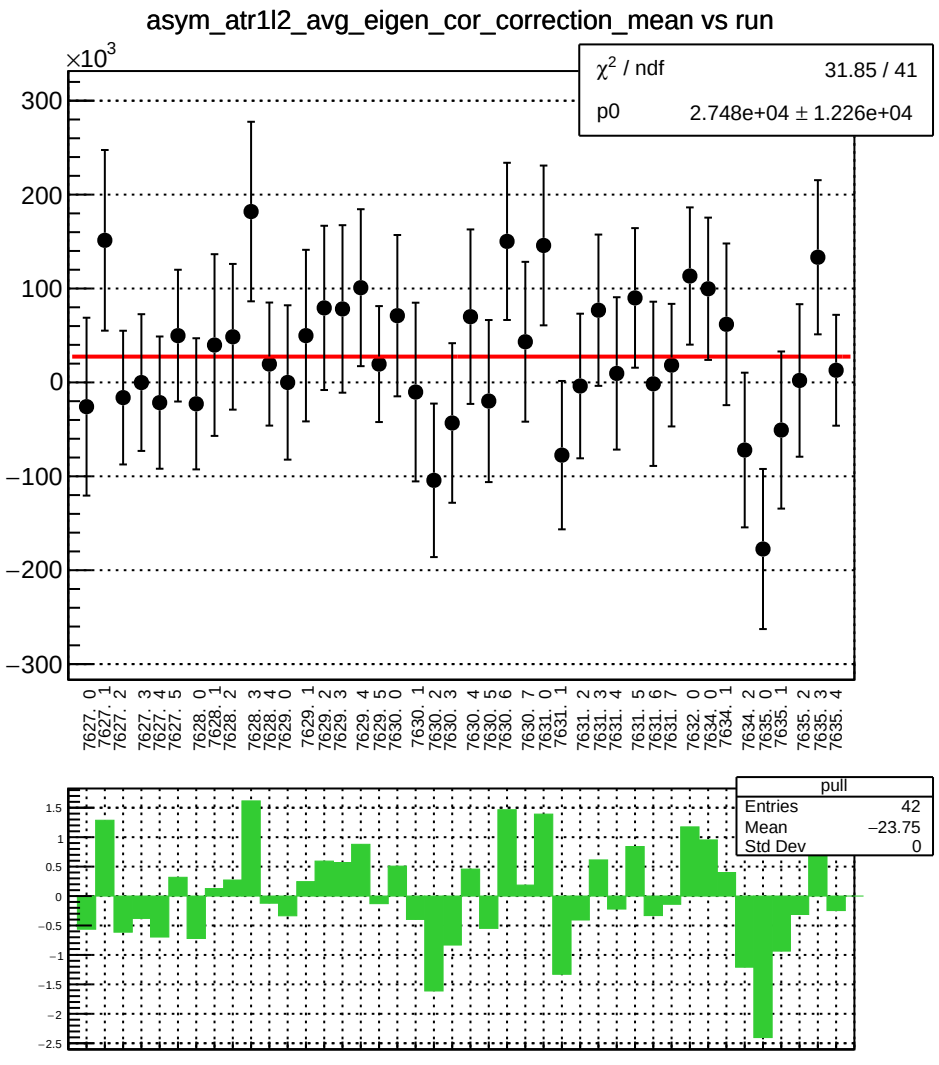
7635. 3
7635. 4


asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.85 / 41
p0 2.748e+04 ± 1.226e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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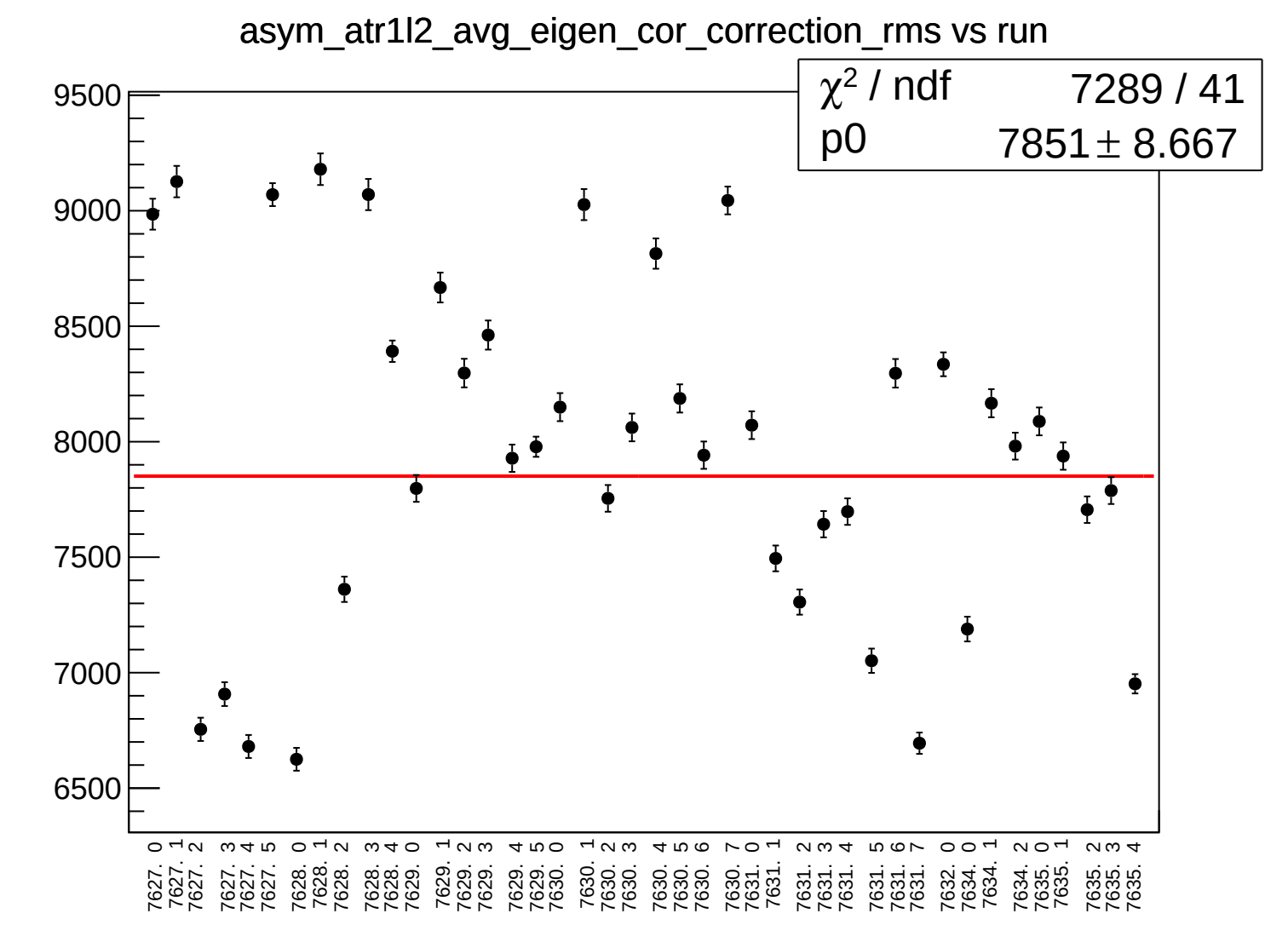
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.01686
Std Dev 0.8707
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7289 / 41
p0 7851 ± 8.667
9500
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
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7629. 1
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7631. 0
7631. 1
7631. 2
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7631. 6
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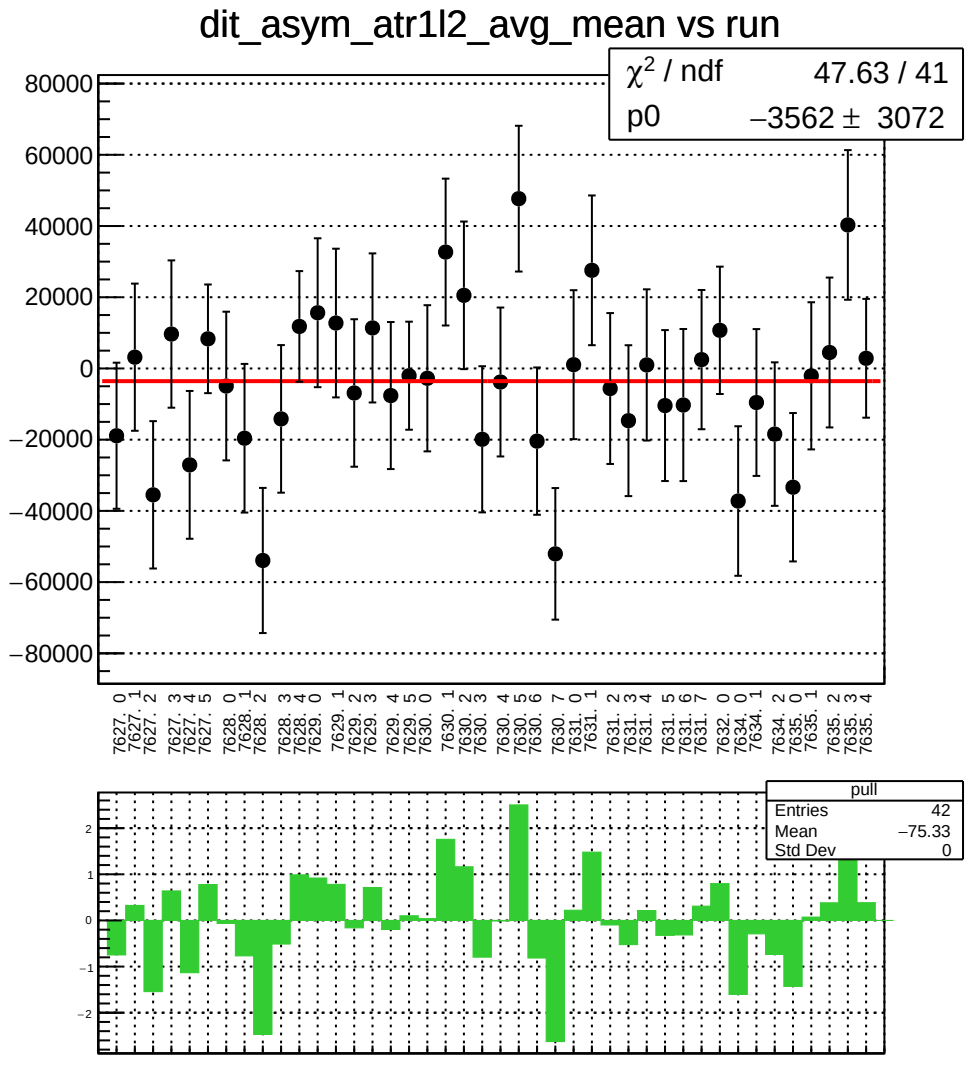
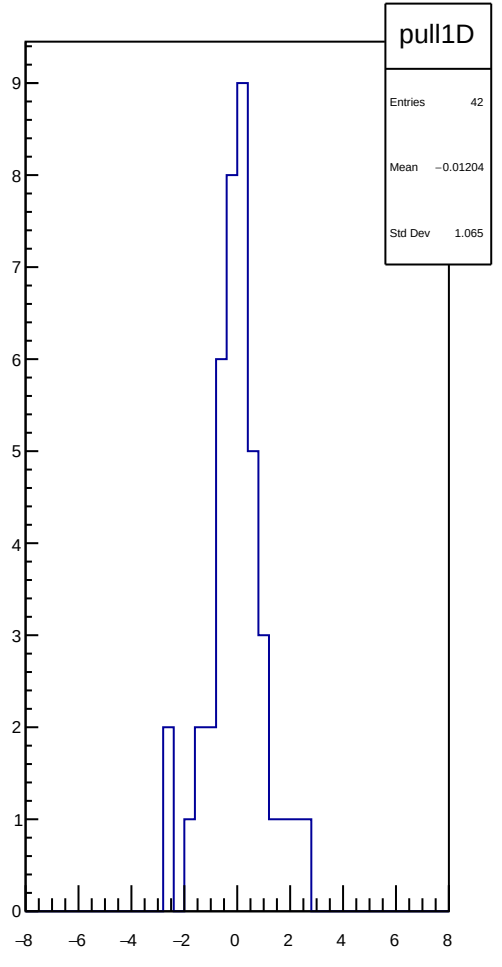
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_atr1l2_avg_mean vs run
χ² / ndf 47.63 / 41
p0 −3562 ± 3072
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −75.33
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean −0.01204
Std Dev 1.065
9
8
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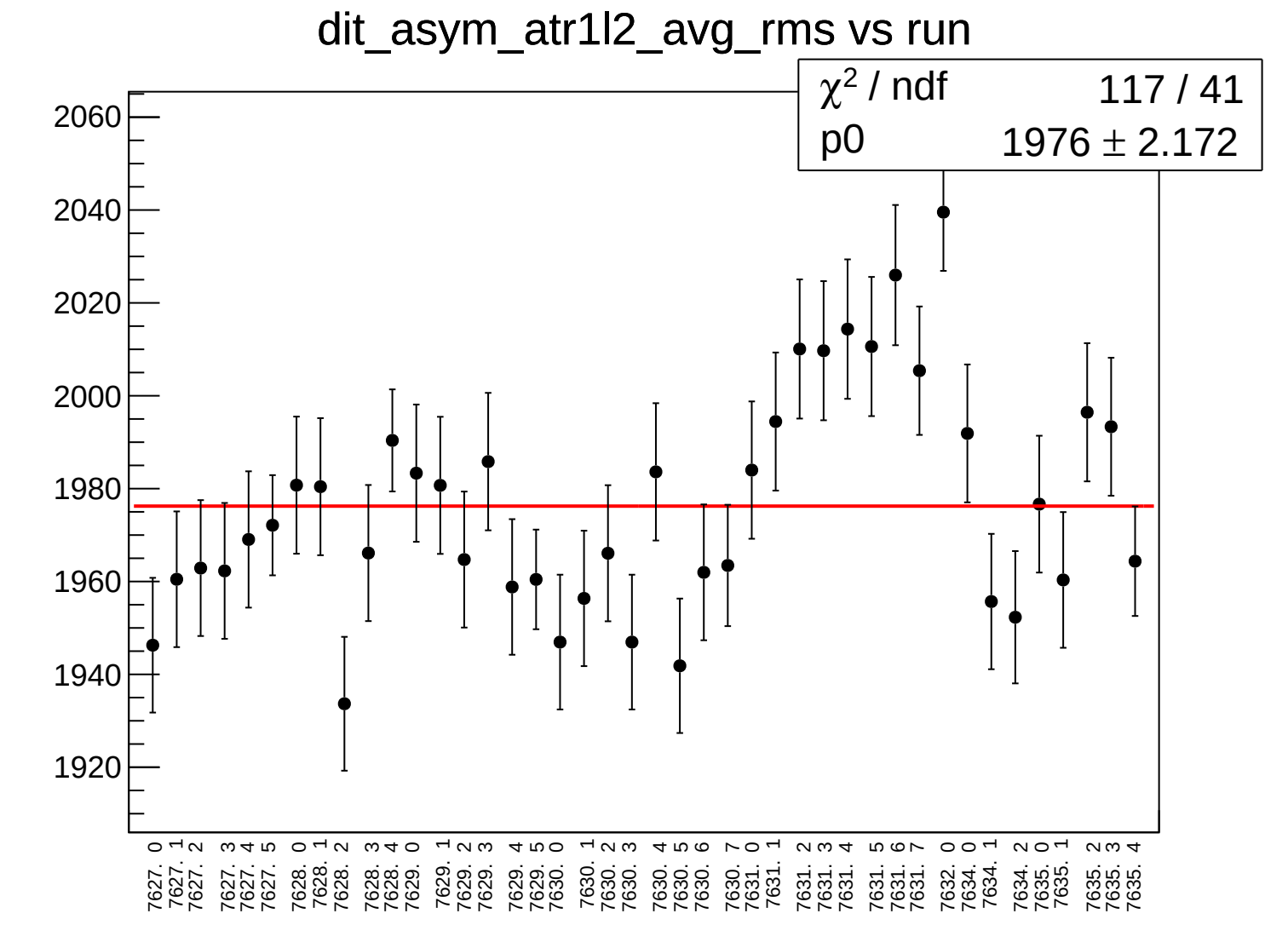
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1l2_avg_rms vs run
χ² / ndf 117 / 41
p0 1976 ± 2.172
2060
2040
2020
2000
1980
1960
1940
1920
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
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7628. 1
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7630. 7
7631. 0
7631. 1
7631. 2
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7631. 7
7632. 0
7634. 0
7634. 1
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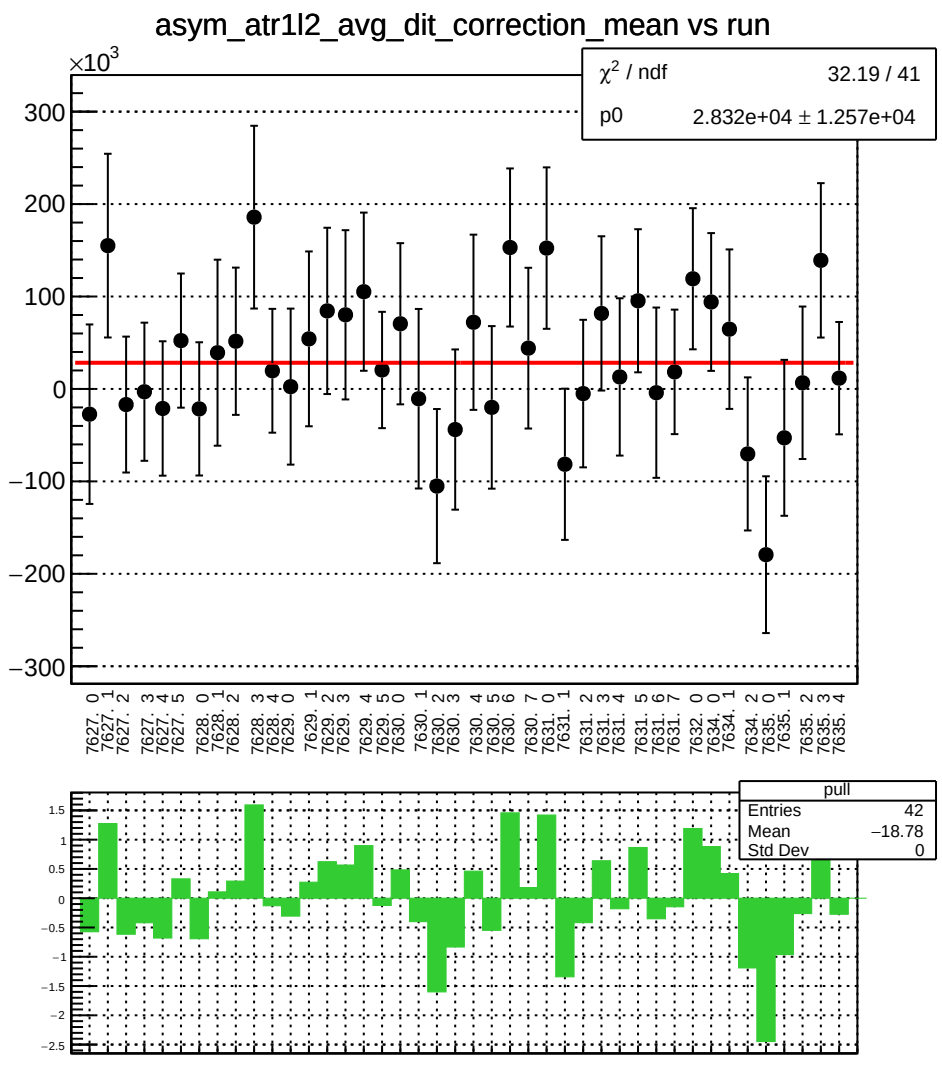
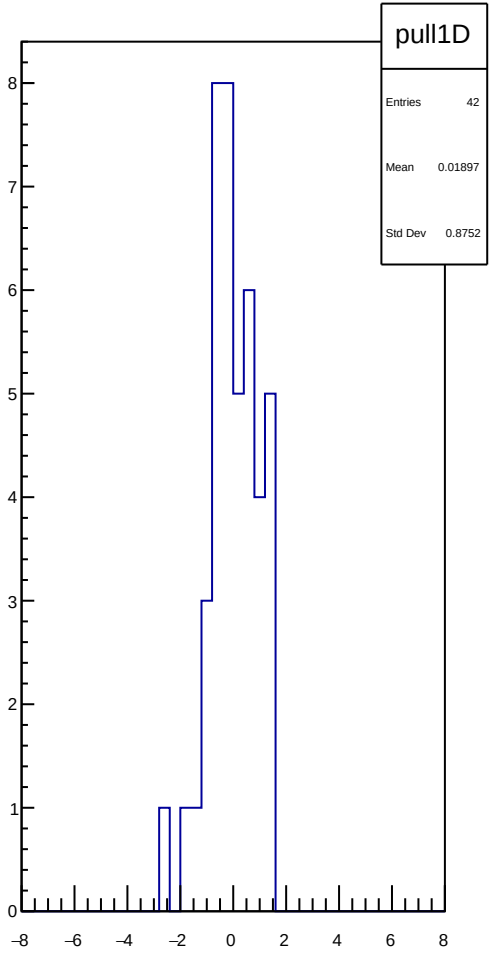
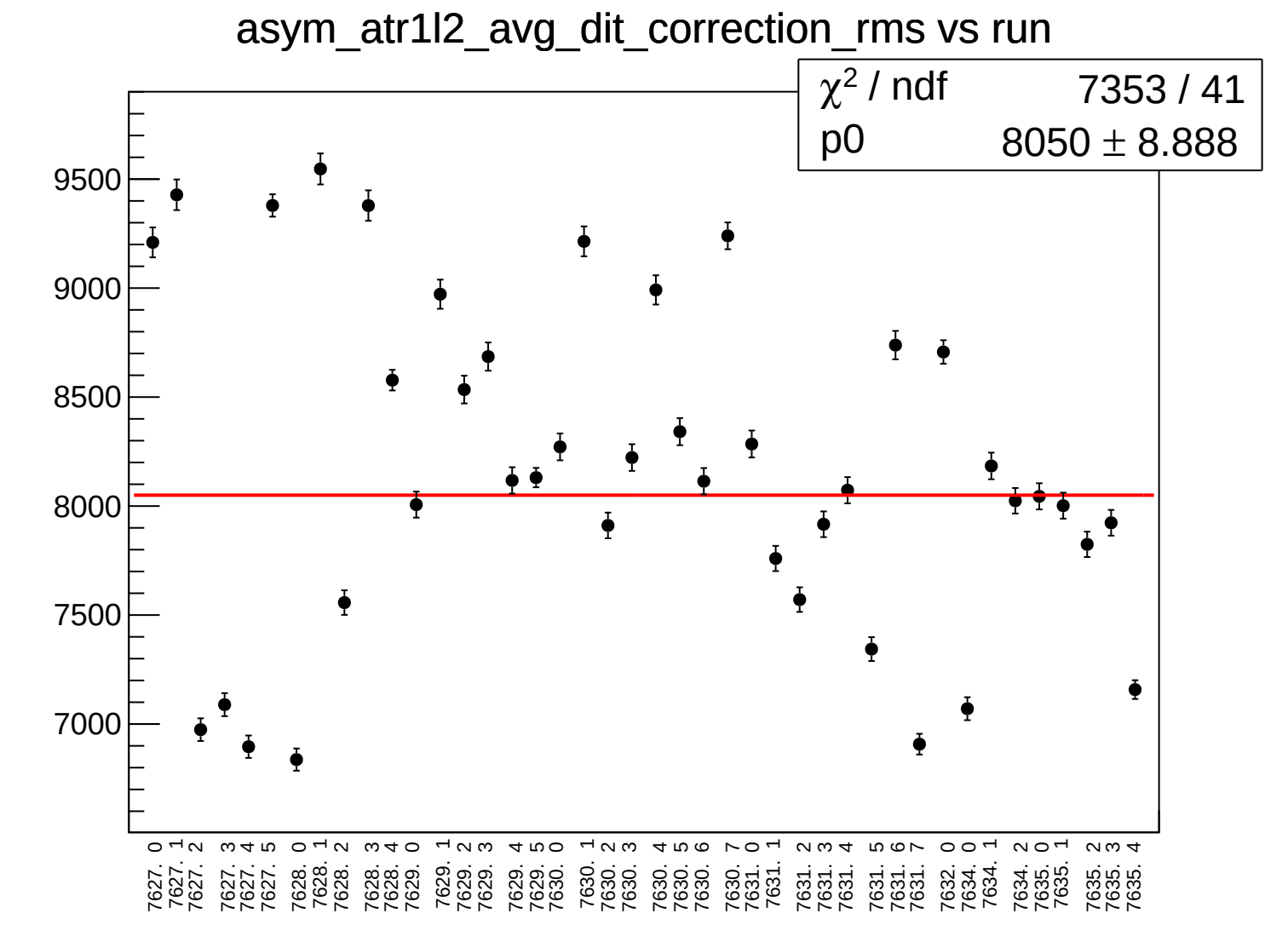
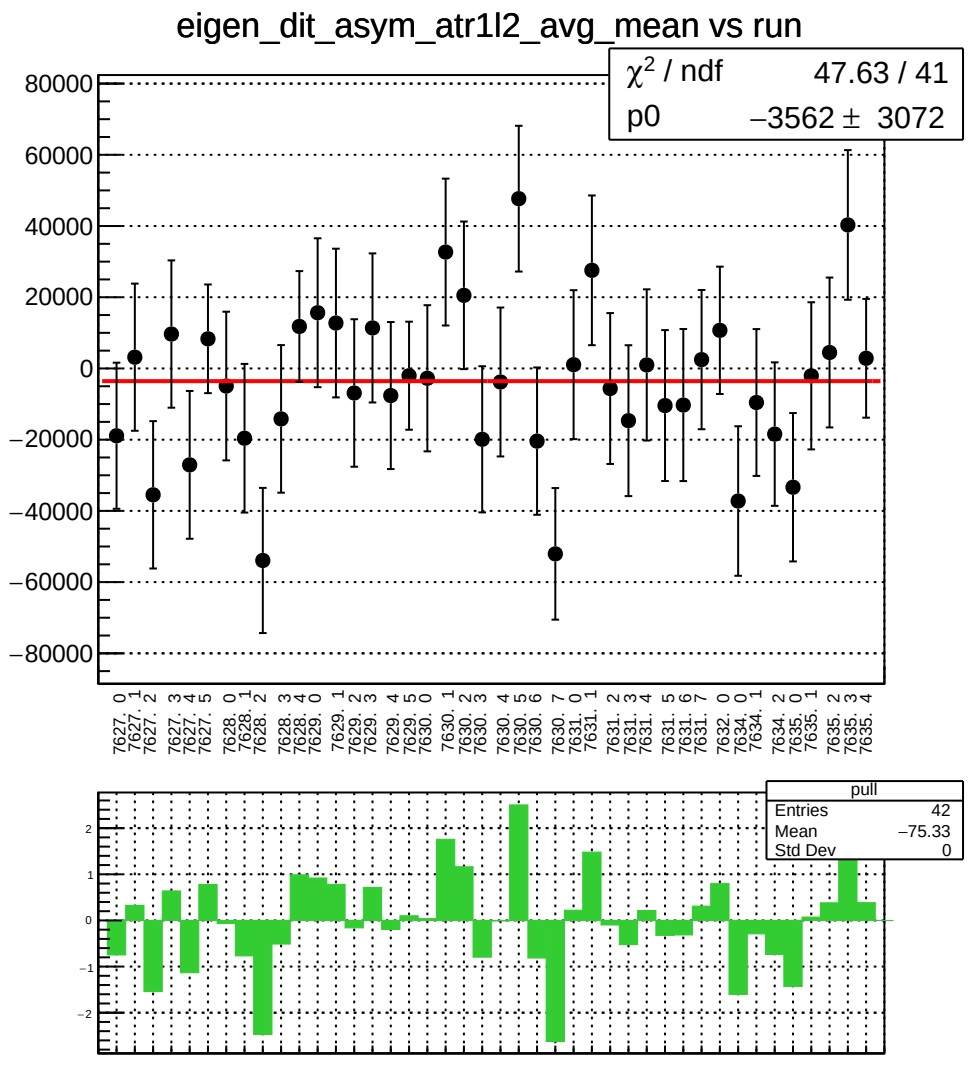
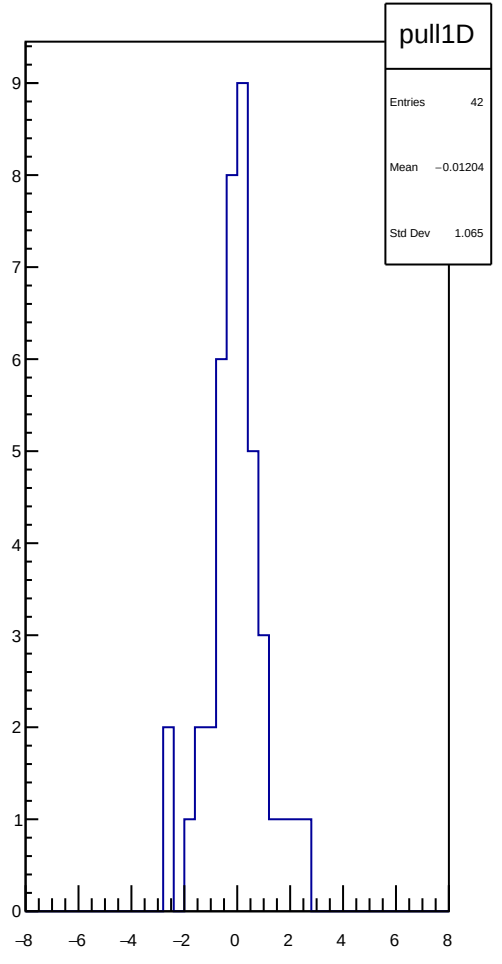
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

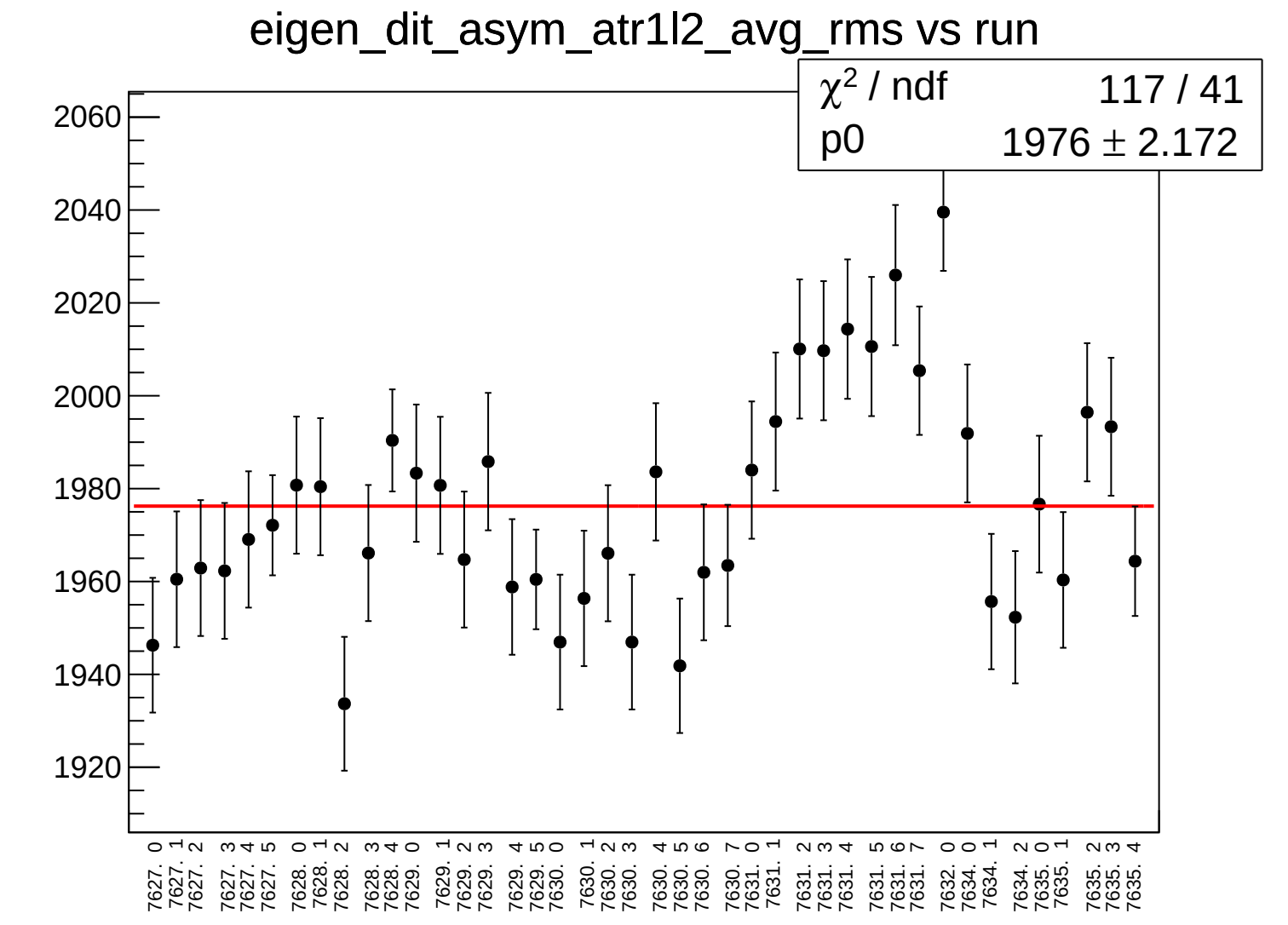

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.19 / 41
p0 2.832e+04 ± 1.257e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −18.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

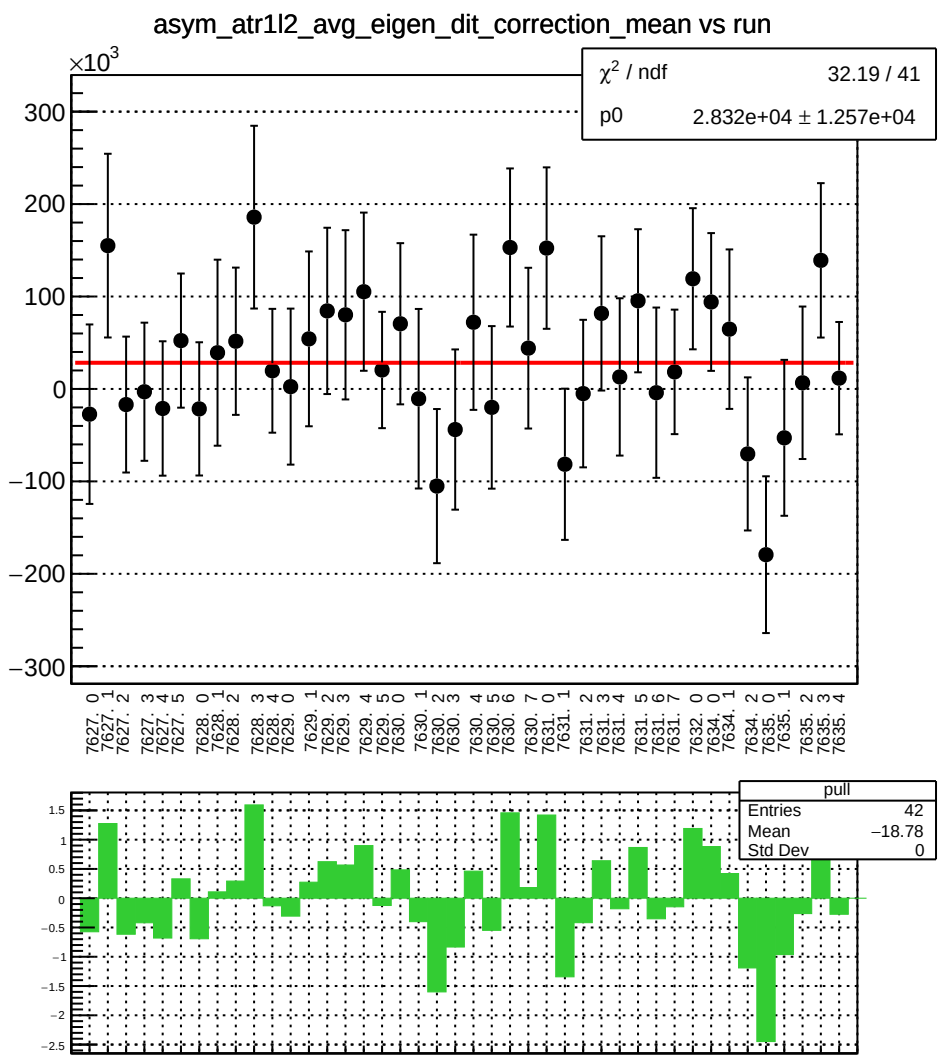

pull1D
Entries 42
Mean 0.01897
Std Dev 0.8752
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

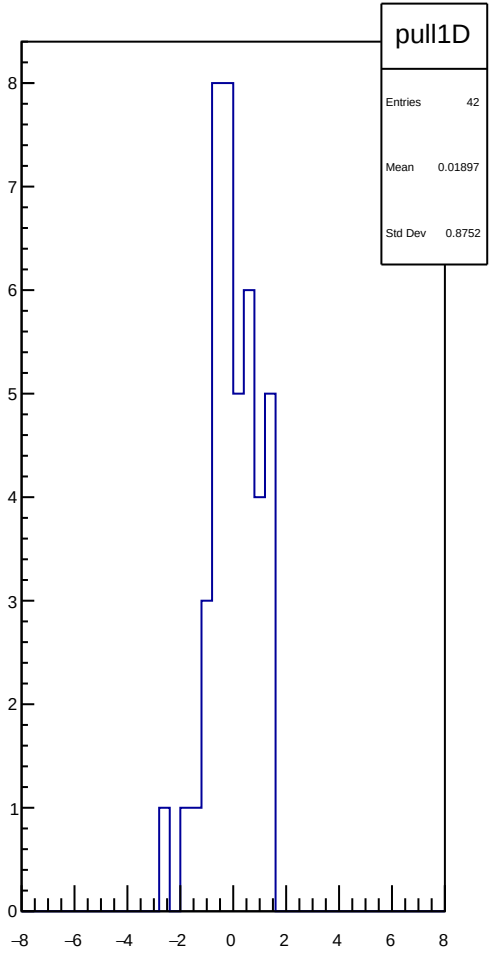

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 7353 / 41
p0 8050 ± 8.888
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

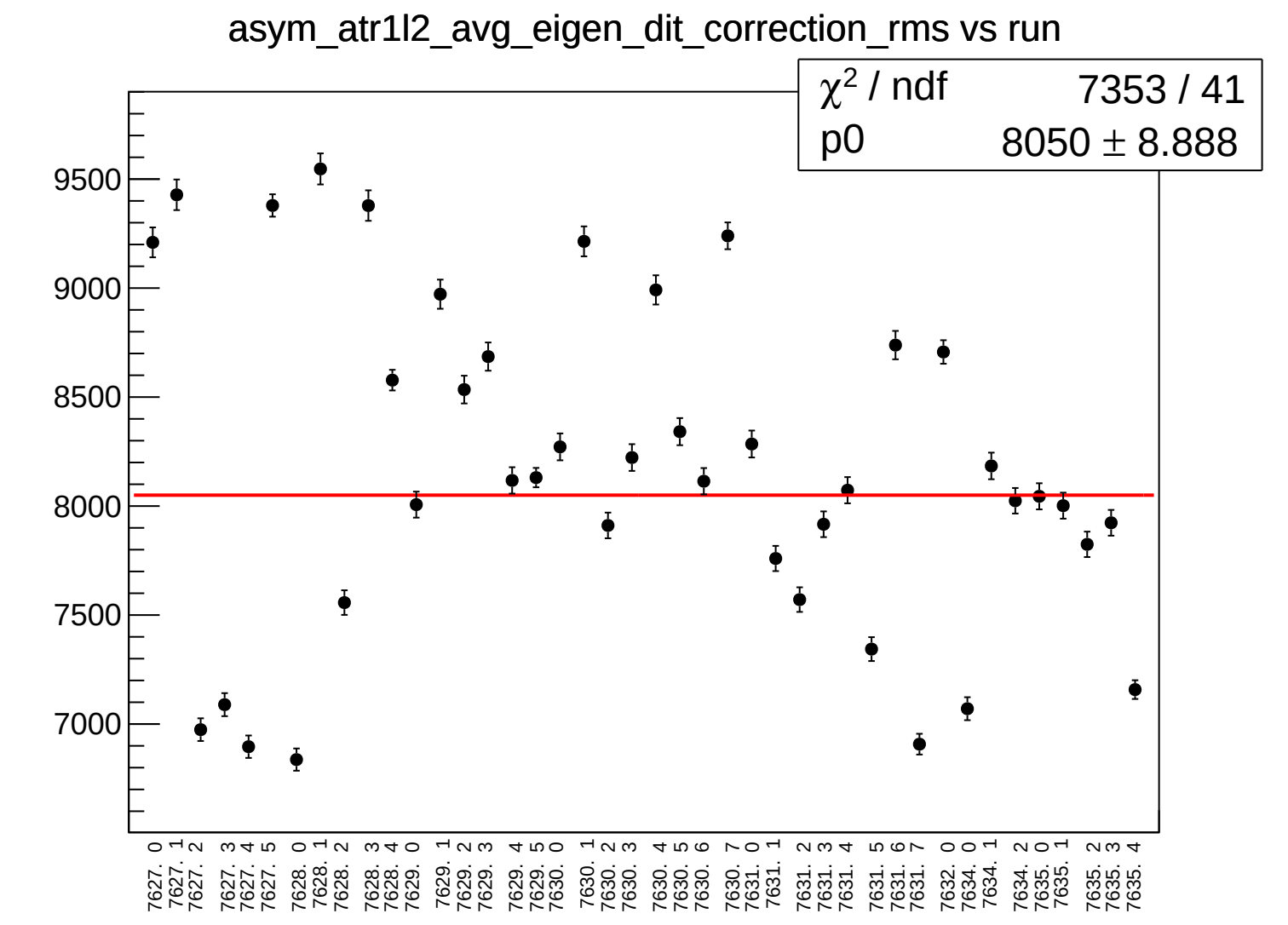

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 47.63 / 41
p0 −3562 ± 3072
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −75.33
Std Dev 0
2
1
0
−1
−2

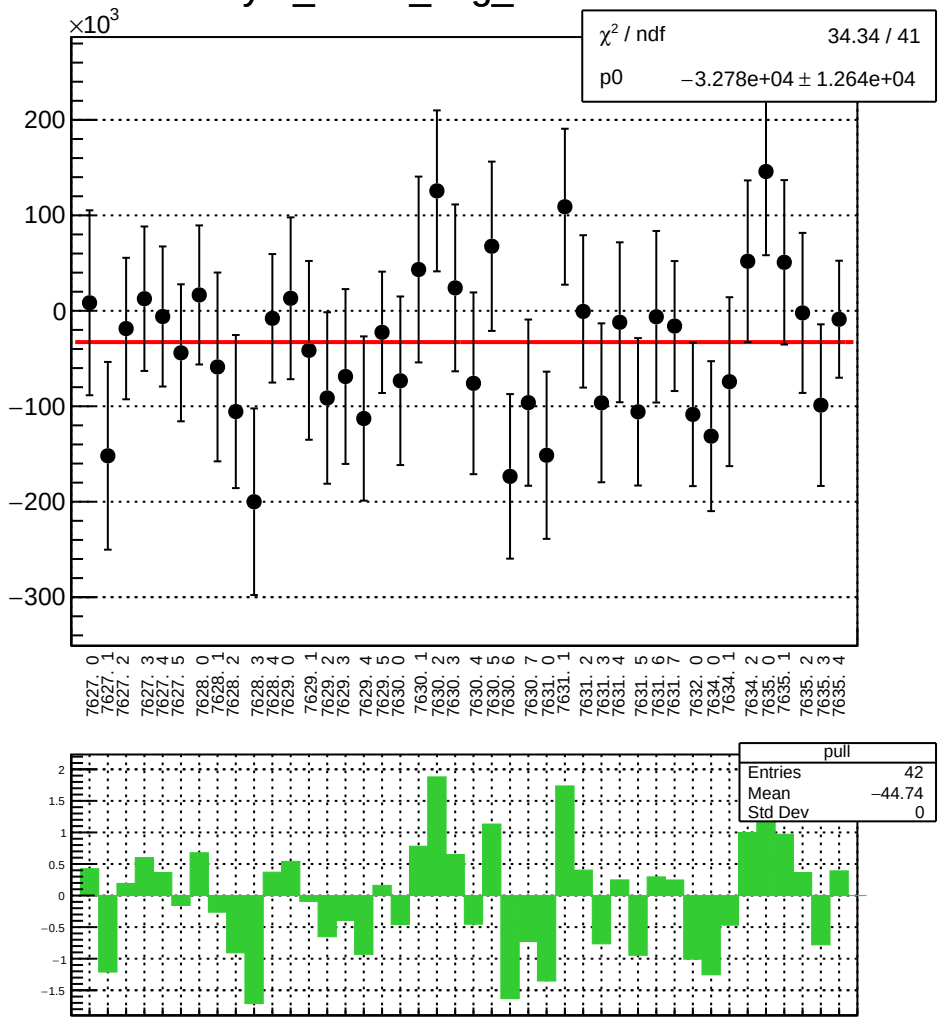

pull1D
Entries 42
Mean −0.01204
Std Dev 1.065
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

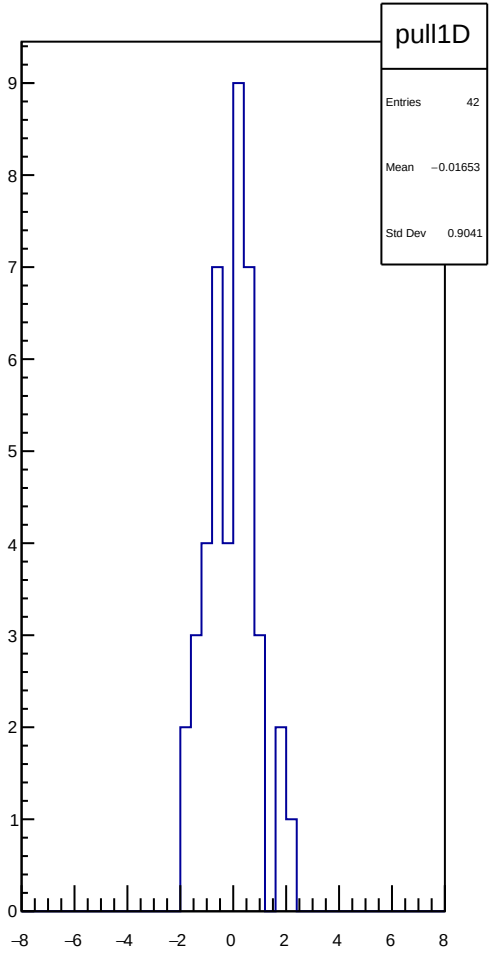

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 117 / 41
p0 1976 ± 2.172
2060
2040
2020
2000
1980
1960
1940
1920
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

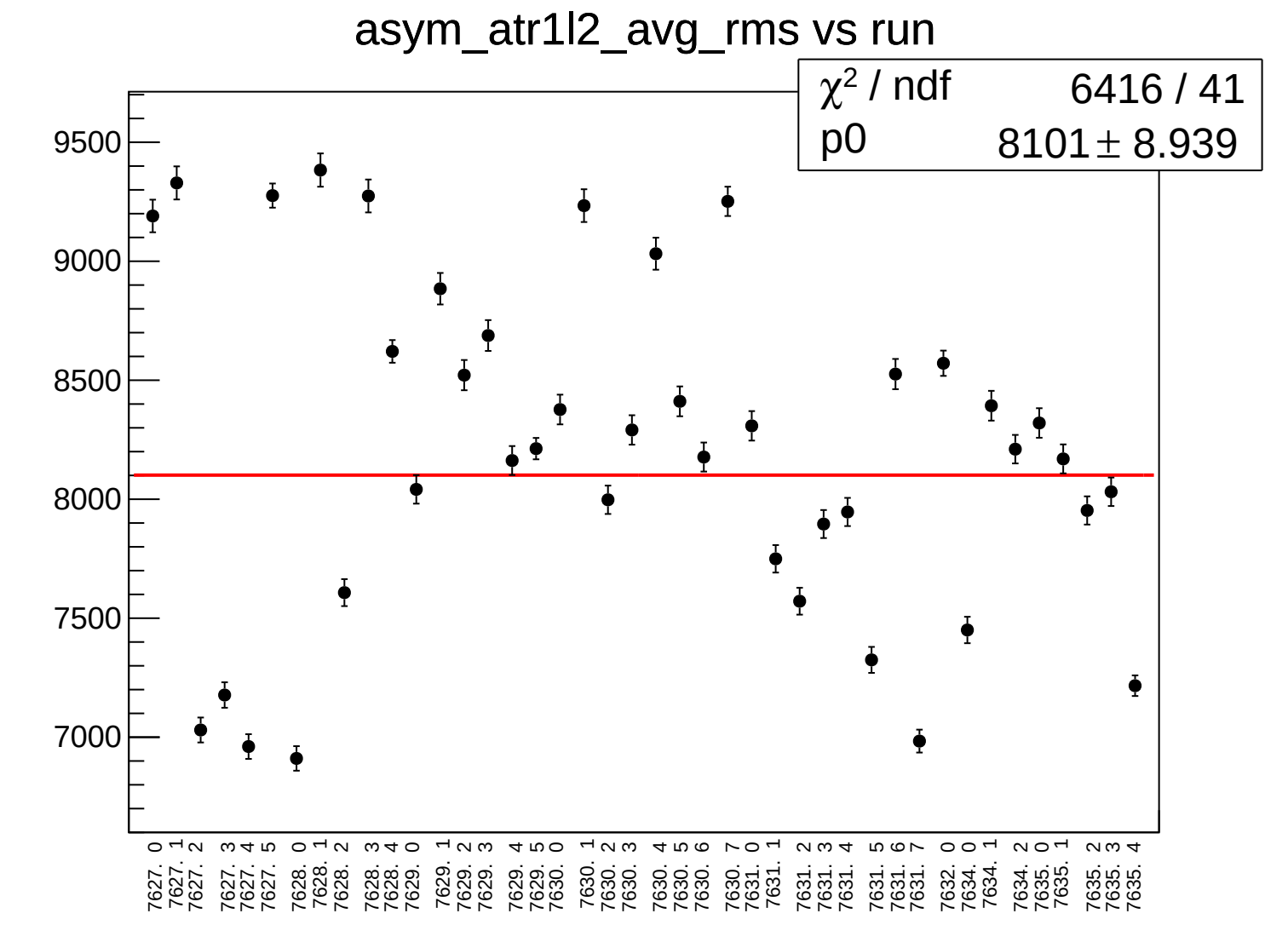

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.19 / 41
p0 2.832e+04 ± 1.257e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −18.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

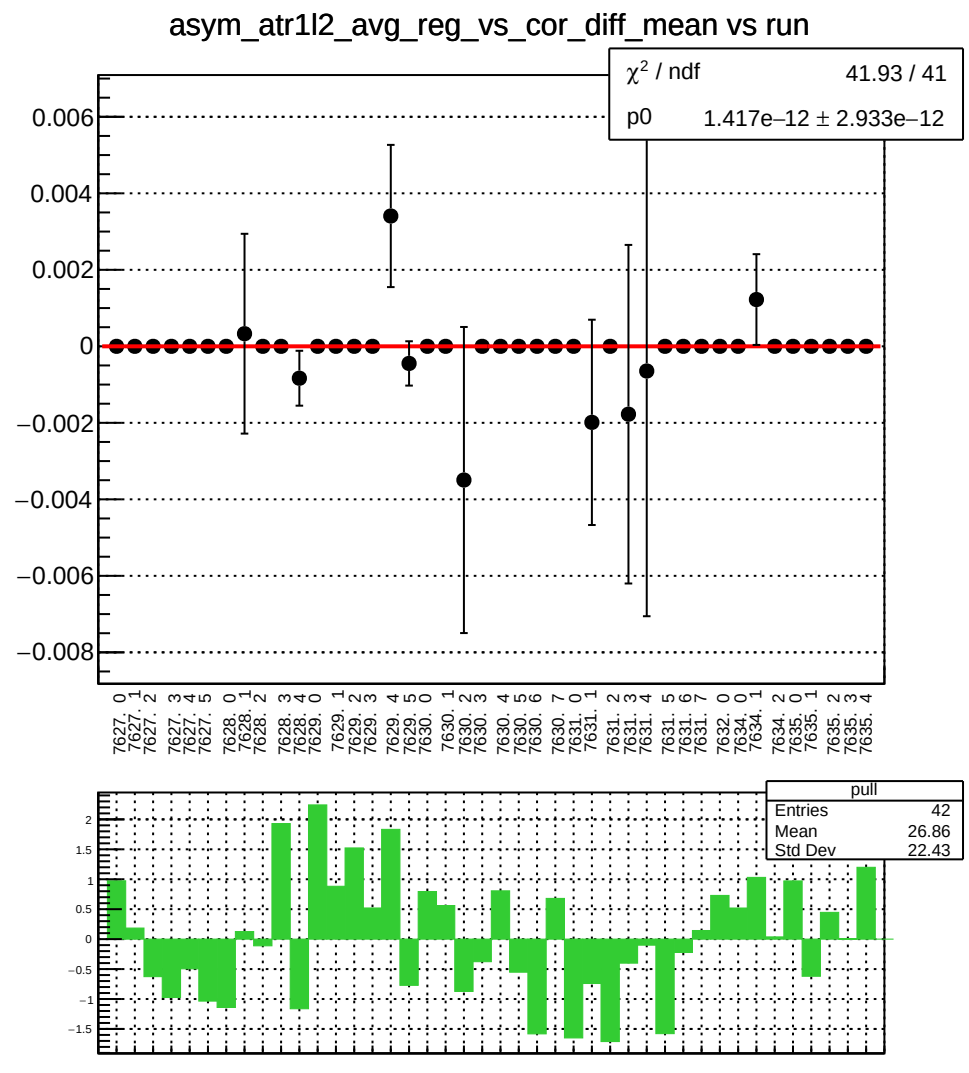

pull1D
Entries 42
Mean 0.01897
Std Dev 0.8752
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

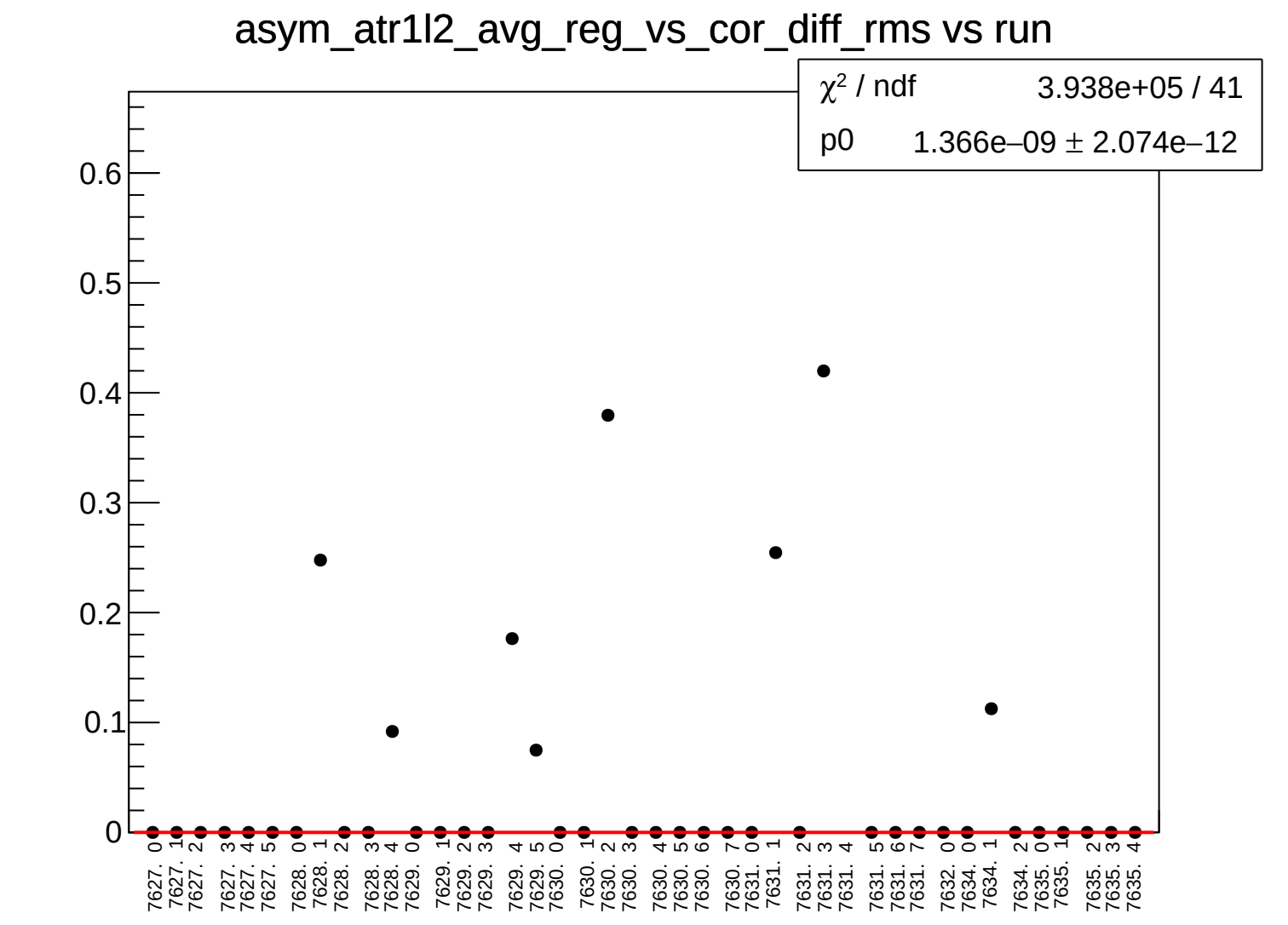

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7353 / 41
p0 8050 ± 8.888
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

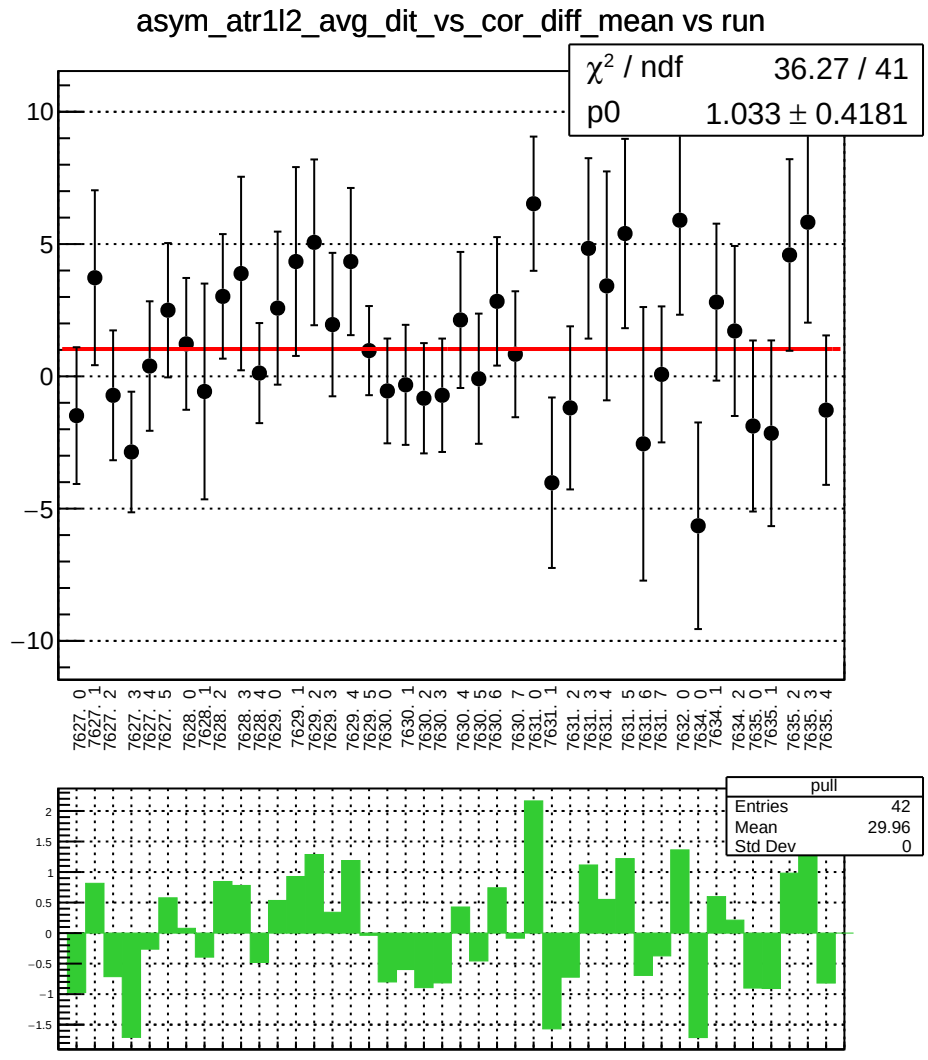

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 34.34 / 41
p0 −3.278e+04 ± 1.264e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −44.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

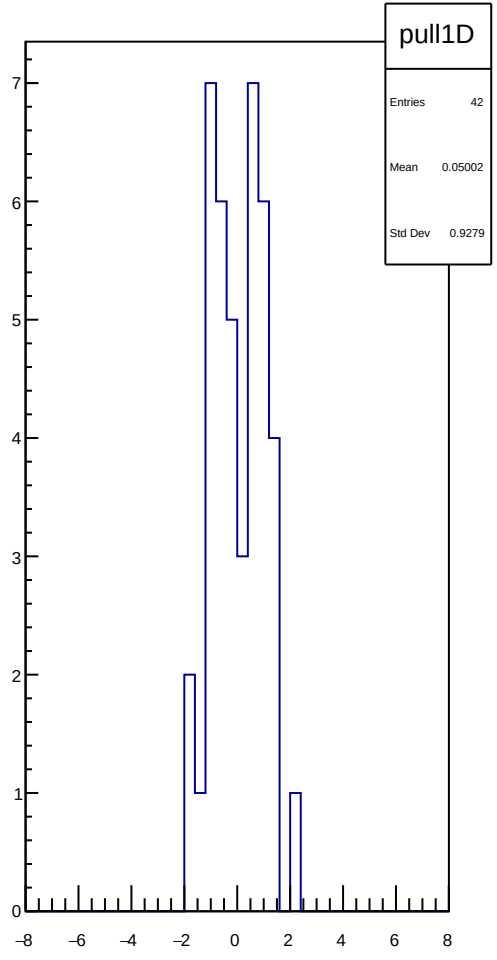

pull1D
Entries 42
Mean −0.01653
Std Dev 0.9041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

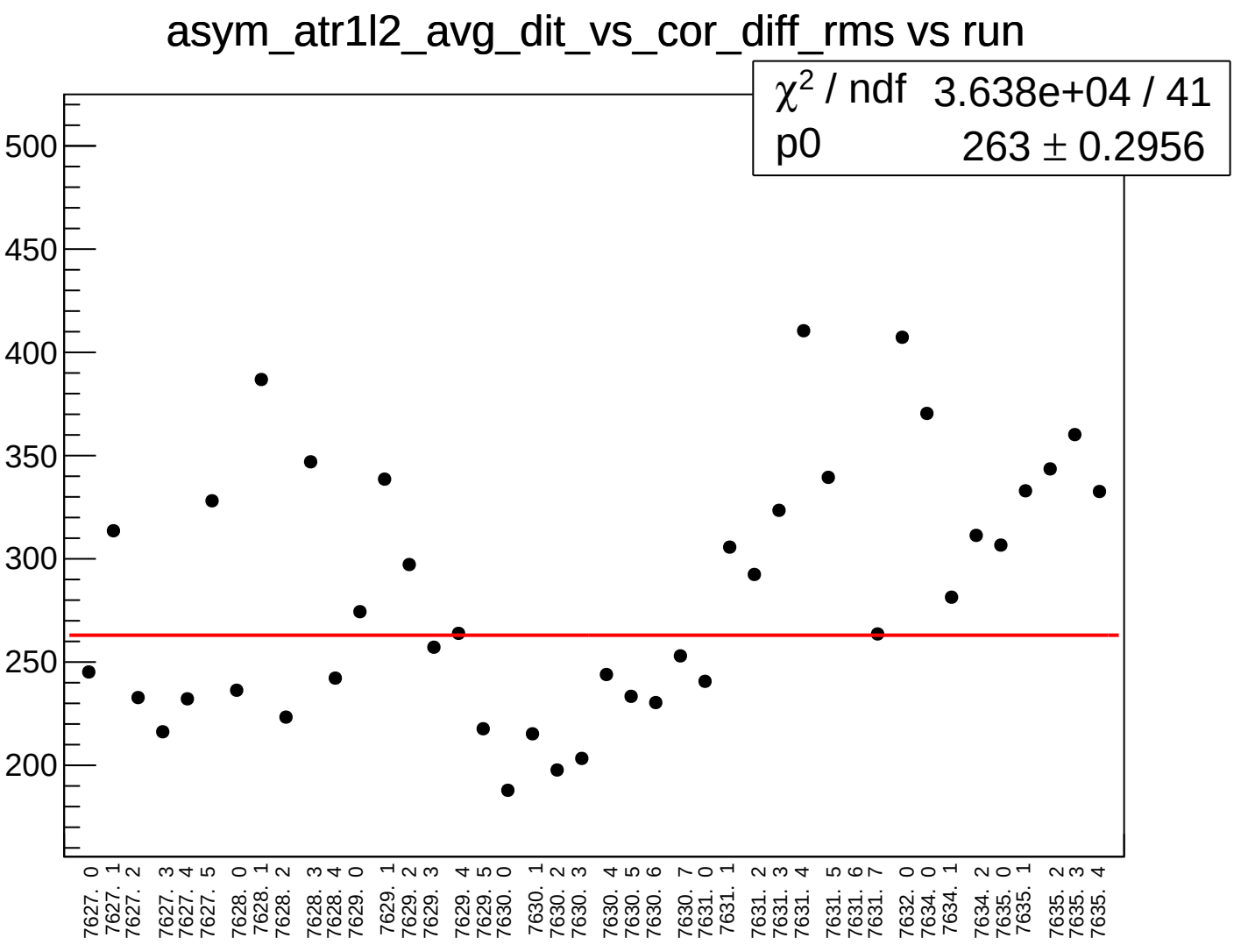

asym_atr1l2_avg_rms vs run
χ² / ndf 6416 / 41
p0 8101 ± 8.939
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.93 / 41
p0 1.417e−12 ± 2.933e−12
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.86
Std Dev 22.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.03367
Std Dev 0.9985
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 3.938e+05 / 41
p0 1.366e−09 ± 2.074e−12
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 36.27 / 41
p0 1.033 ± 0.4181
pull
Entries 42
Mean 29.96
Std Dev 0


pull1D
Entries 42
Mean 0.05002
Std Dev 0.9279


asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.638e+04 / 41
p0 263 ± 0.2956
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
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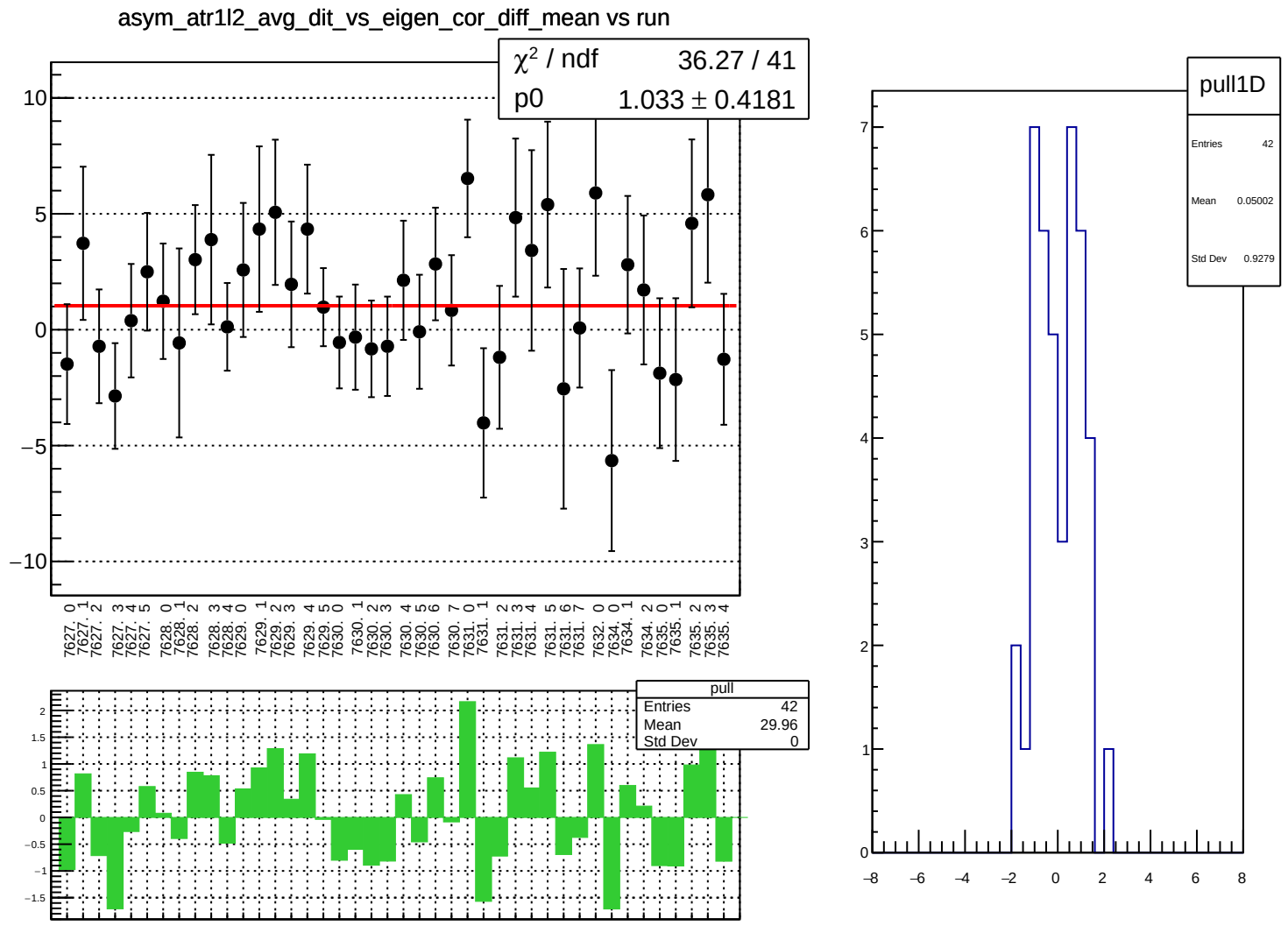
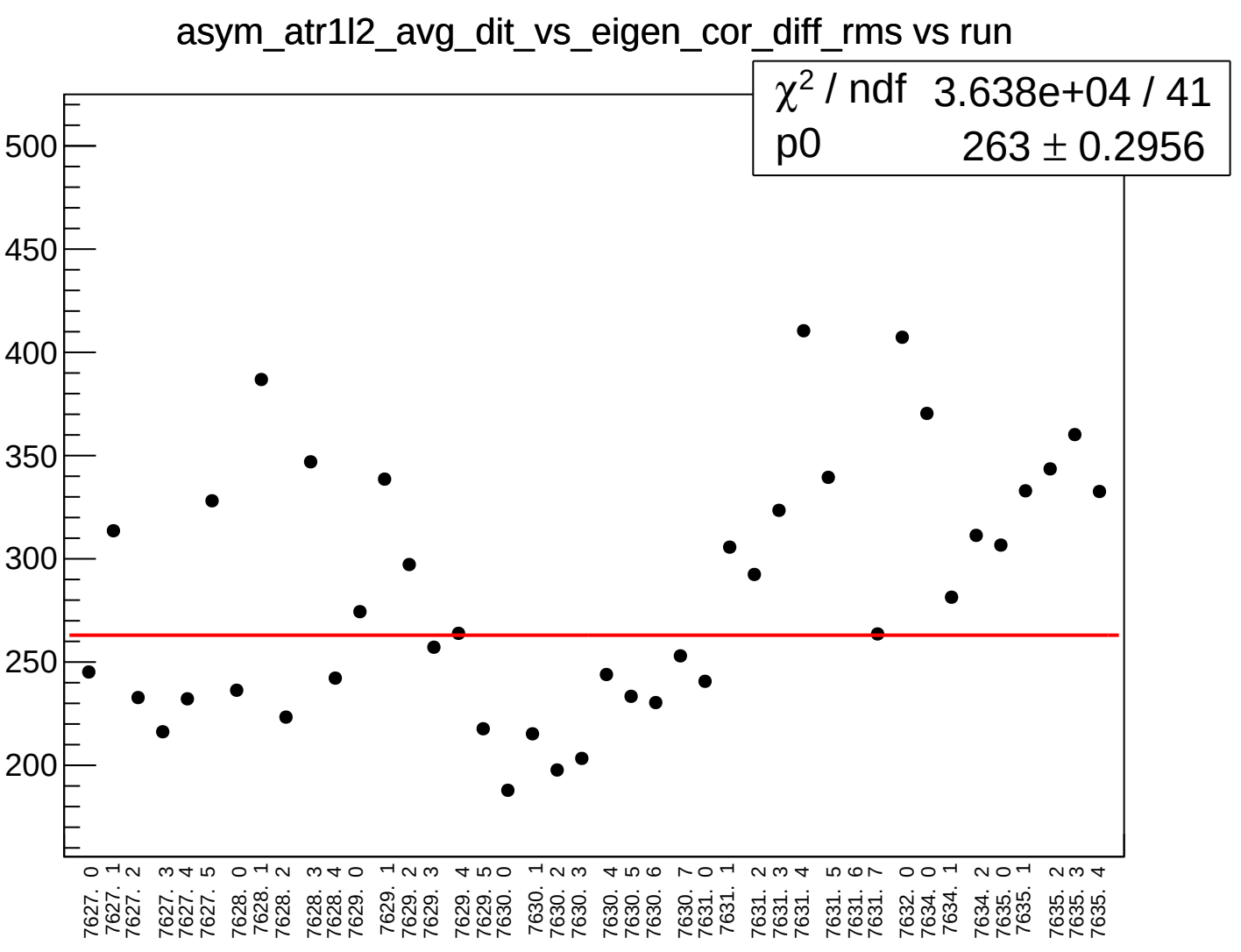
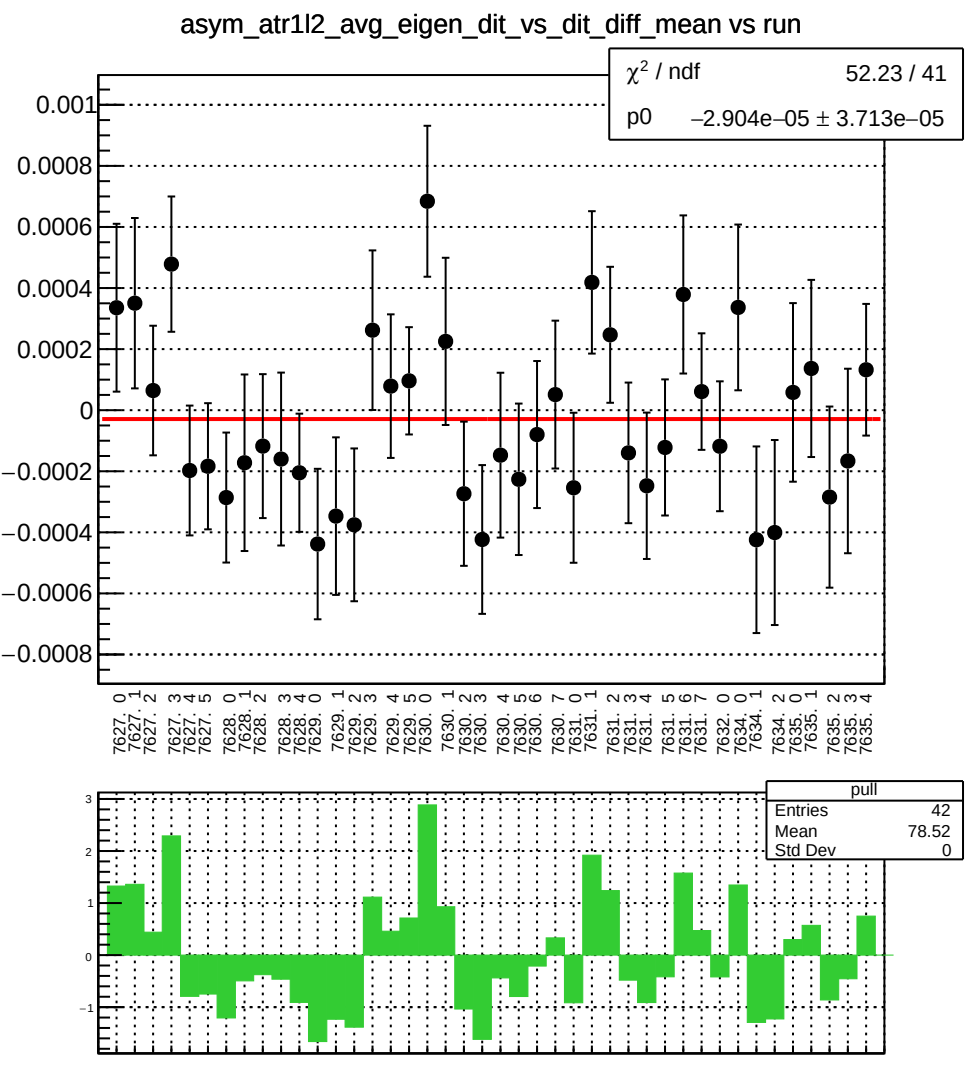
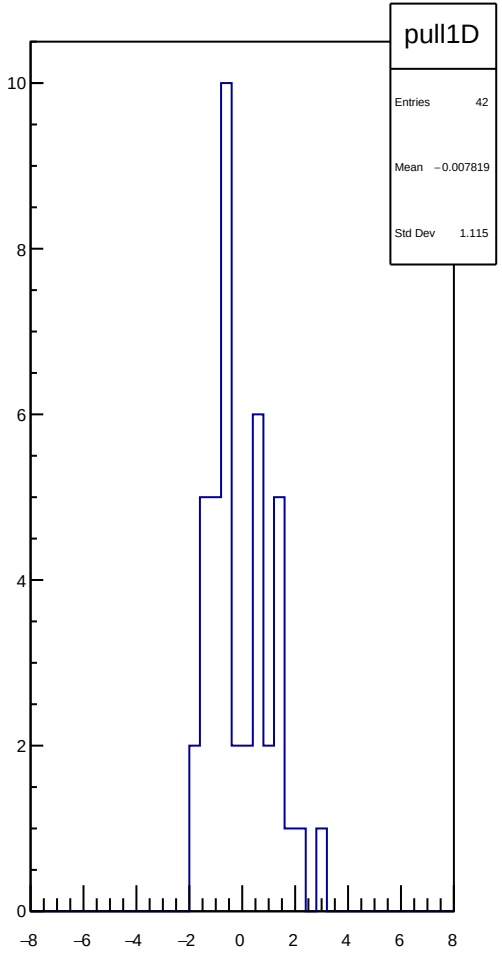
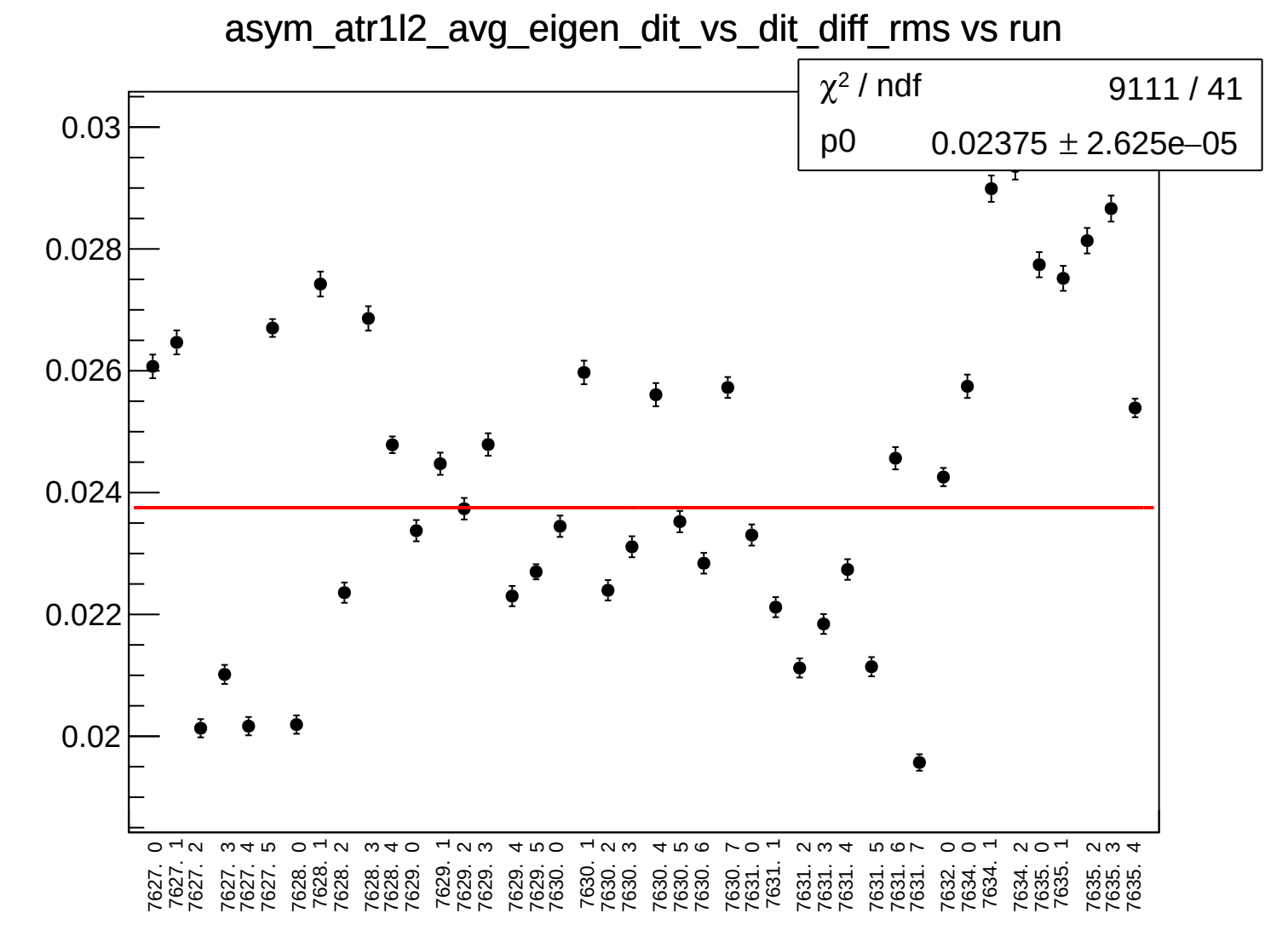
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

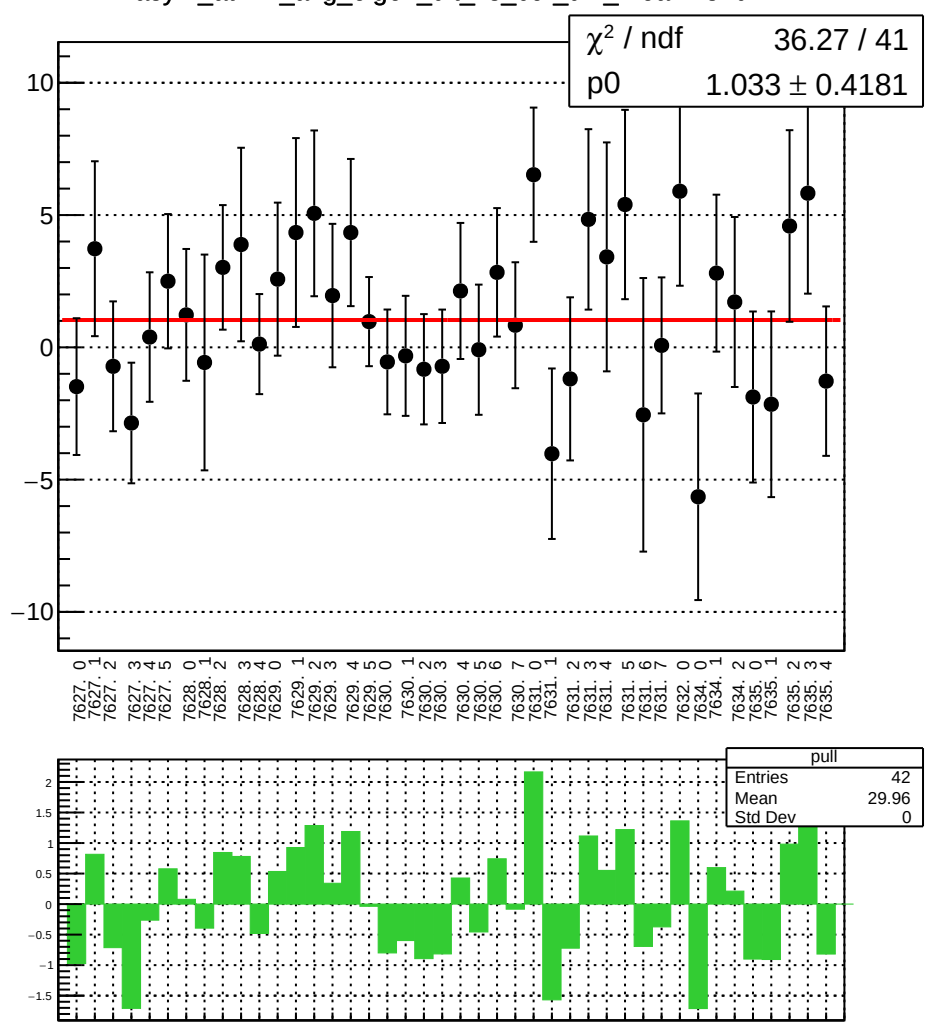

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.27 / 41
p0 1.033 ± 0.4181
pull
Entries 42
Mean 29.96
Std Dev 0
pull1D
Entries 42
Mean 0.05002
Std Dev 0.9279

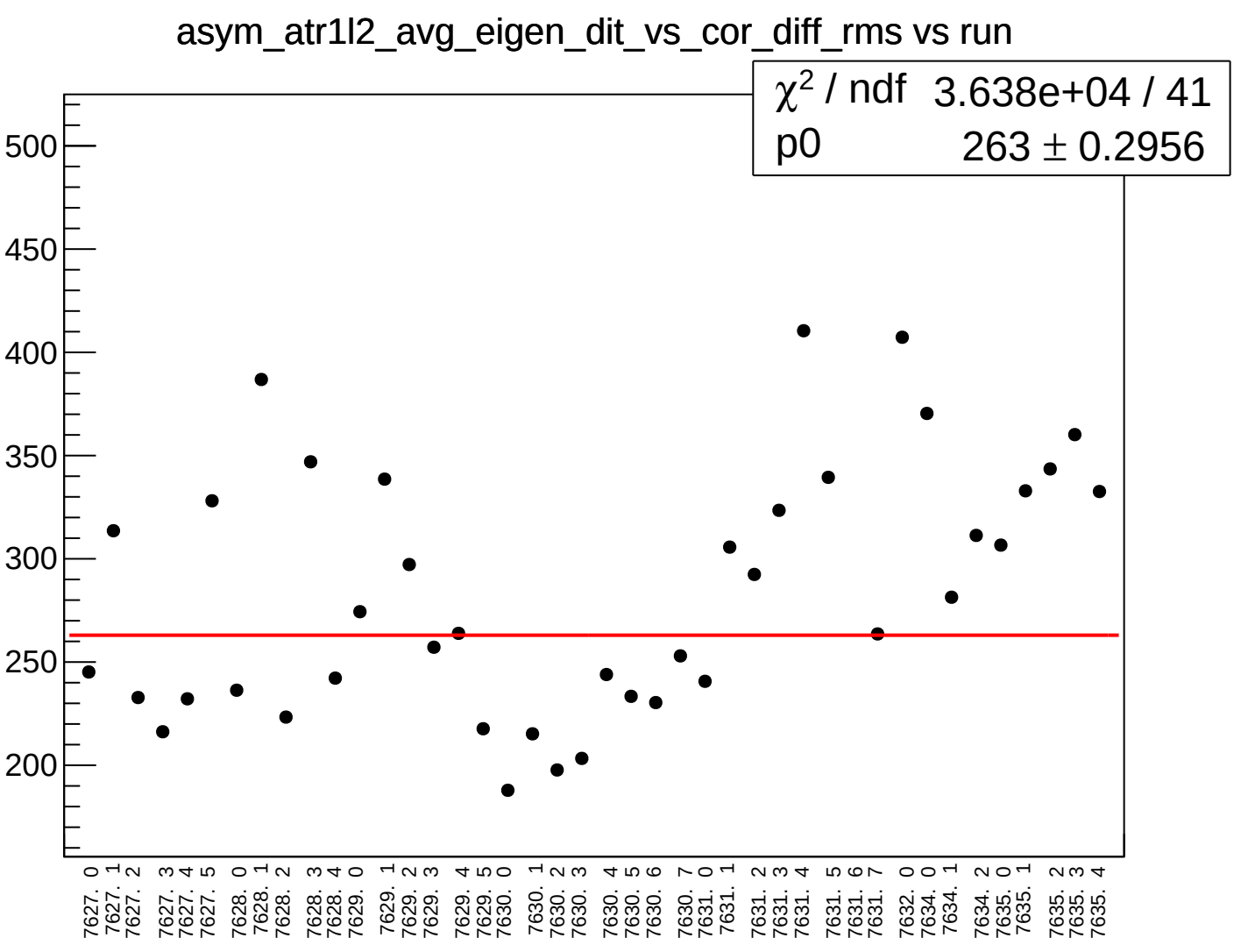

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.638e+04 / 41
p0 263 ± 0.2956
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

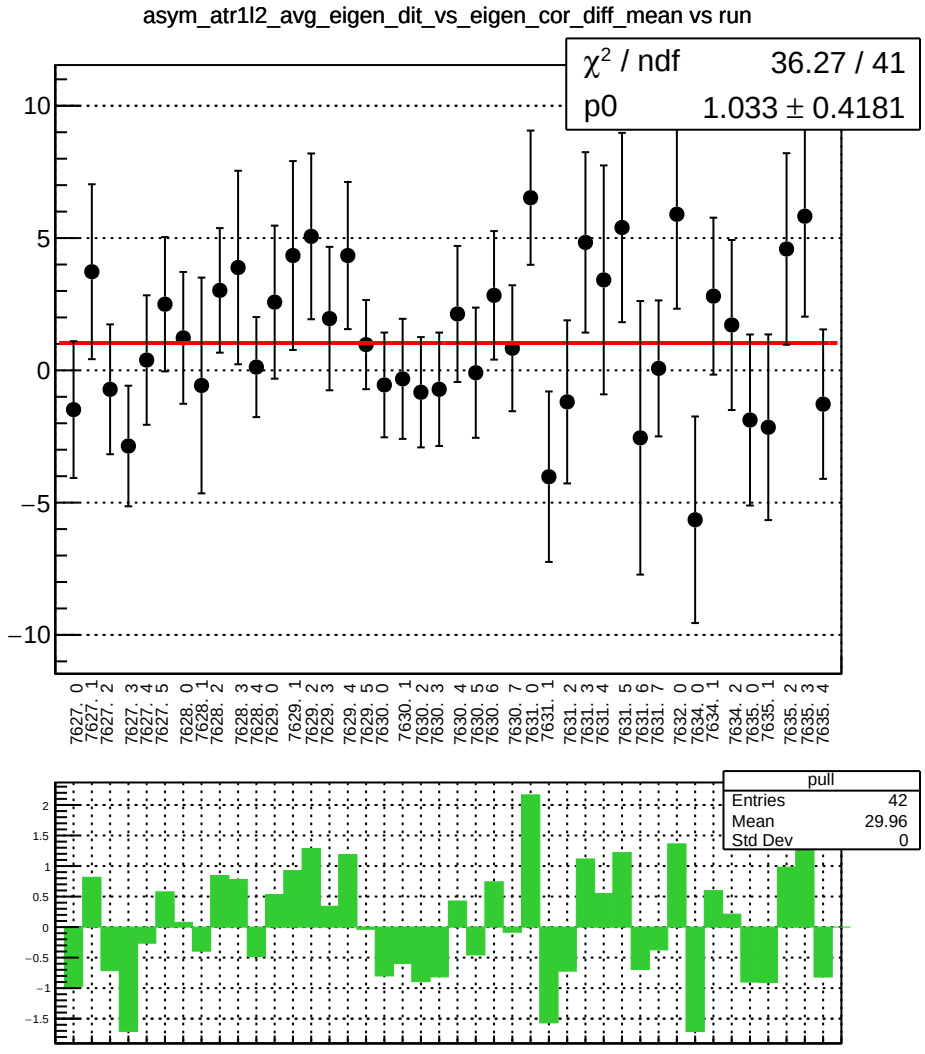

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 52.23 / 41
p0 −2.904e−05 ± 3.713e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 78.52
Std Dev 0
3
2
1
0
−1

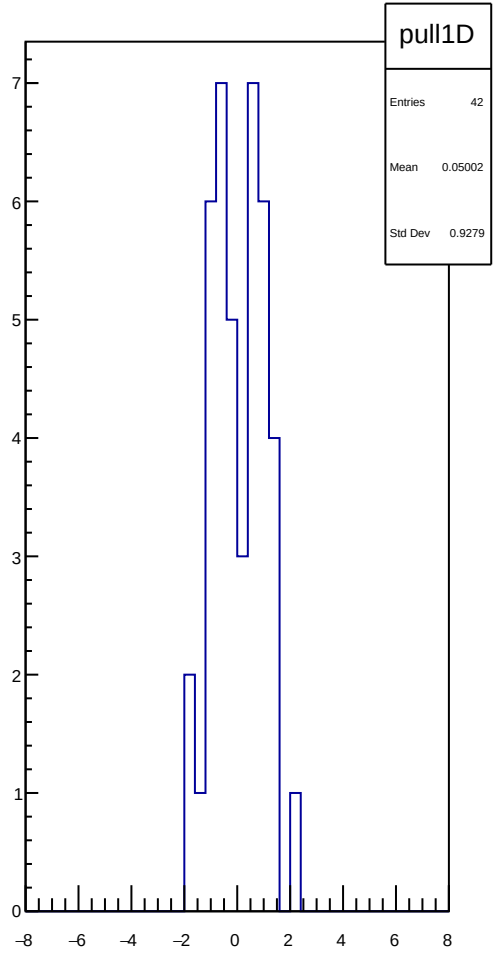

pull1D
Entries 42
Mean −0.007819
Std Dev 1.115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

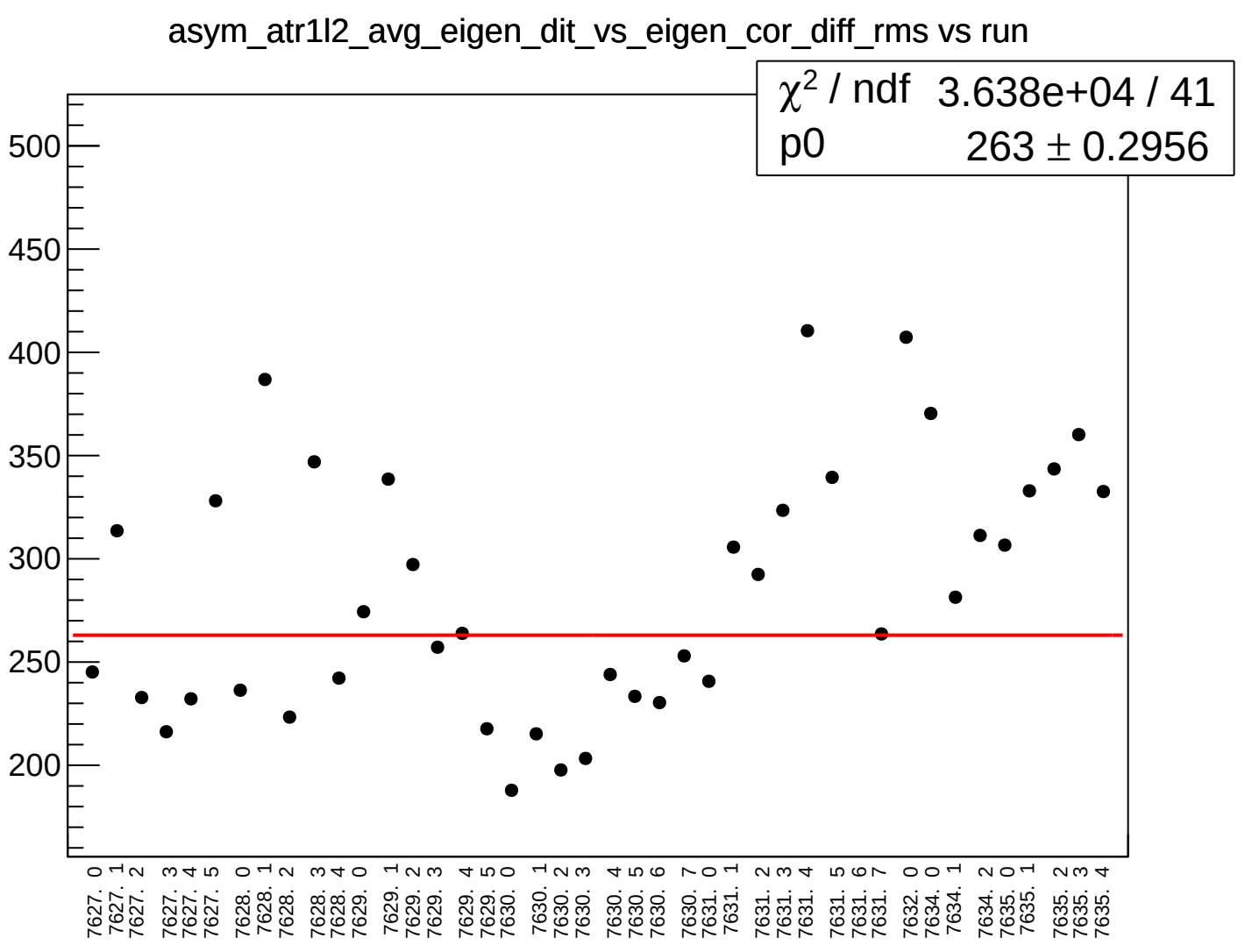

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9111 / 41
p0 0.02375 ± 2.625e−05
0.03
0.028
0.026
0.024
0.022
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

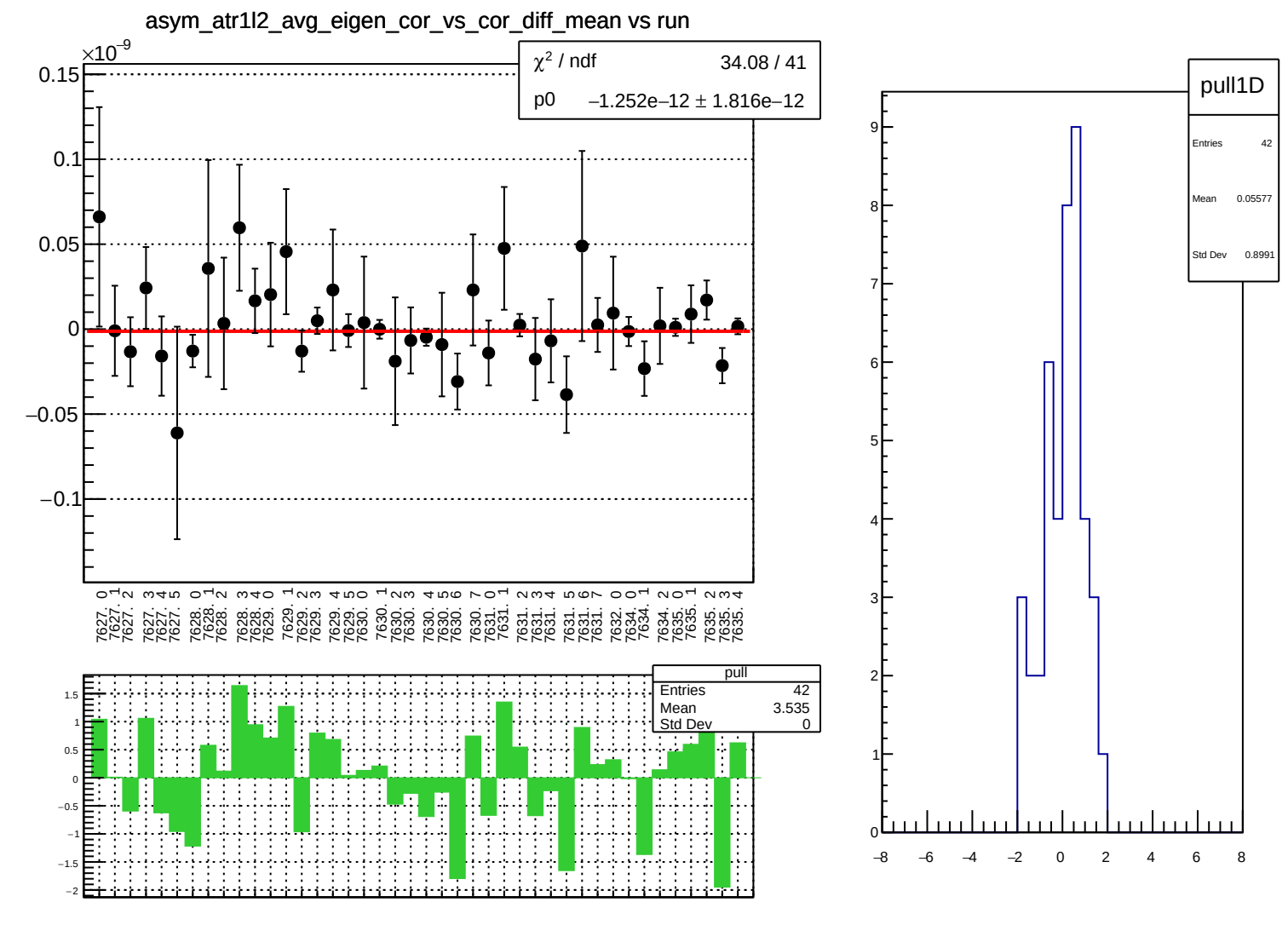

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.27 / 41
p0 1.033 ± 0.4181
pull
Entries 42
Mean 29.96
Std Dev 0
pull1D
Entries 42
Mean 0.05002
Std Dev 0.9279

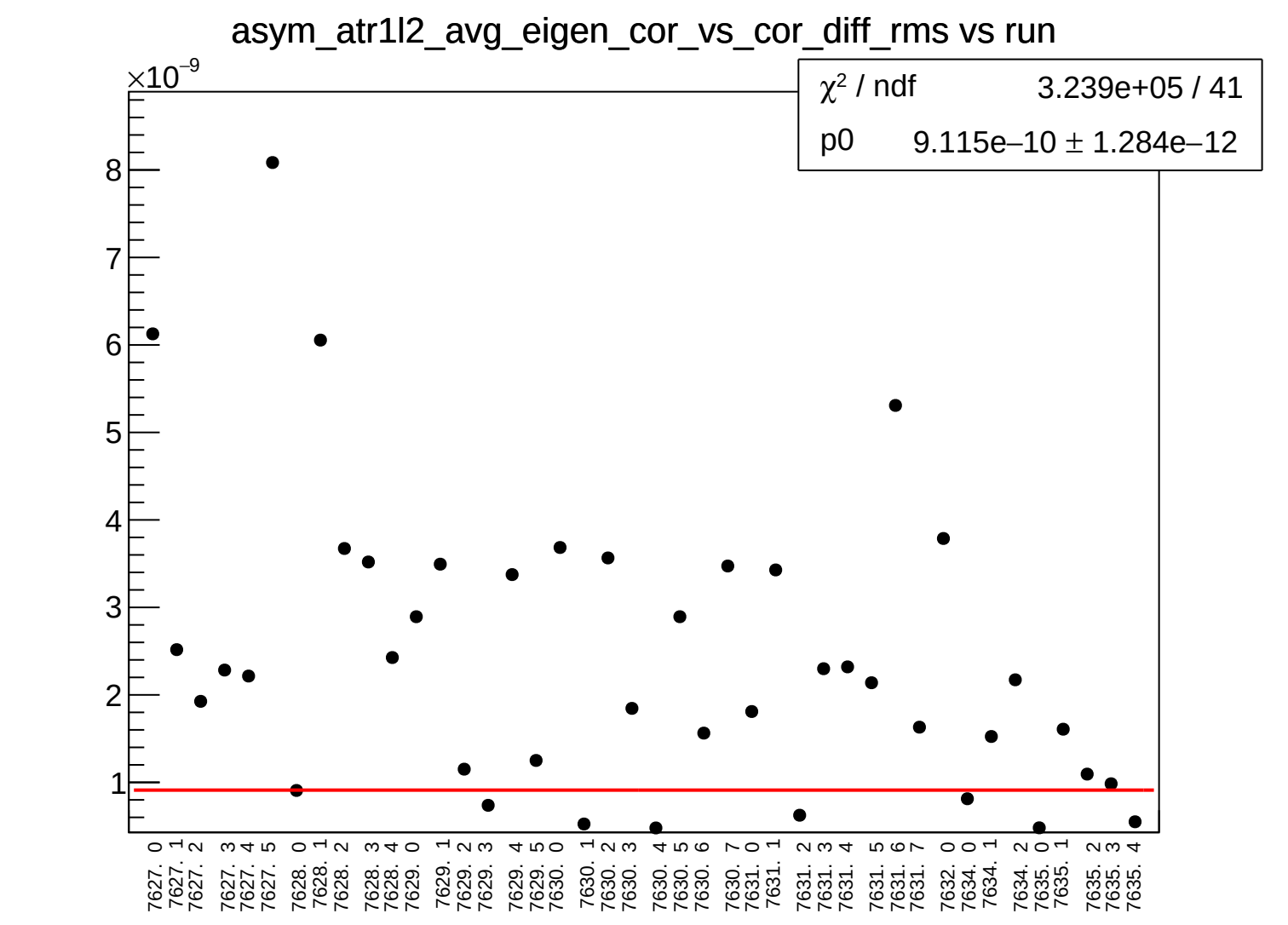

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.638e+04 / 41
p0 263 ± 0.2956
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

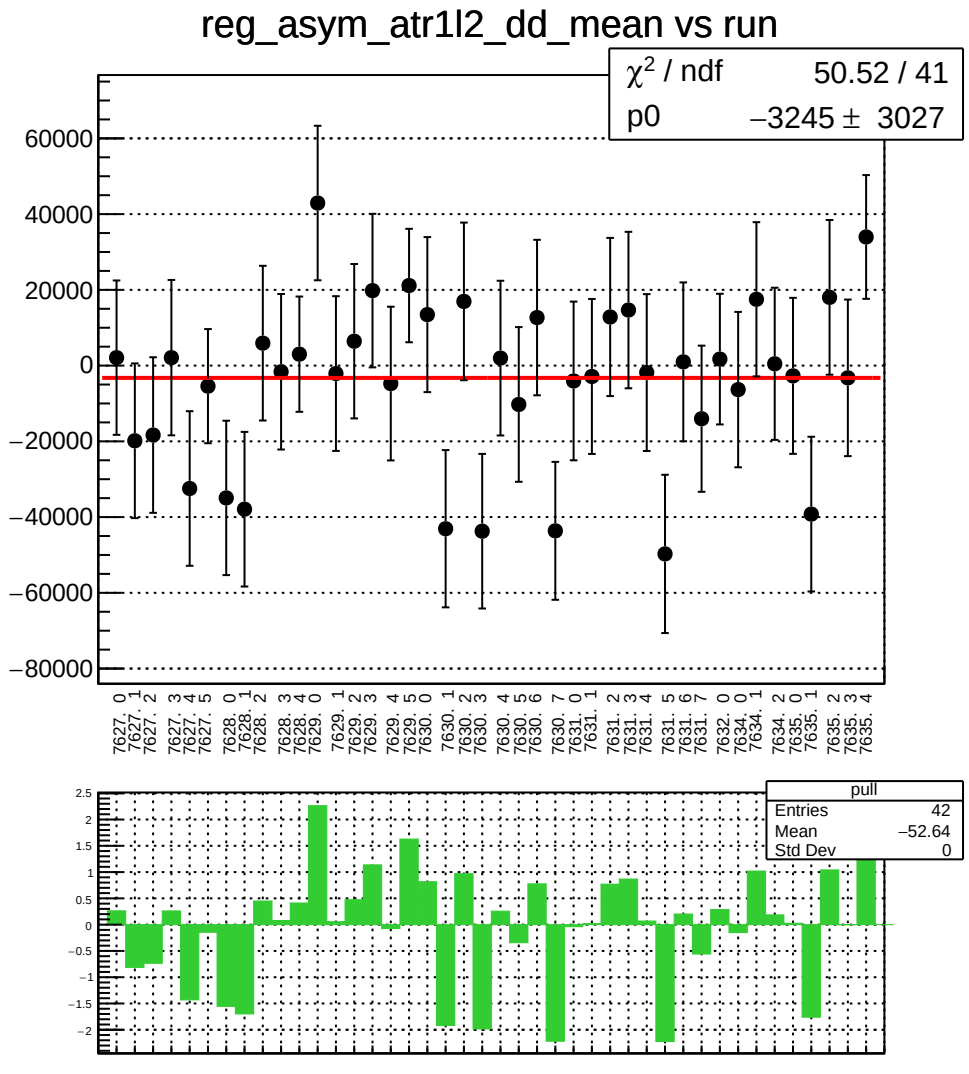

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.27 / 41
p0 1.033 ± 0.4181
pull
Entries 42
Mean 29.96
Std Dev 0

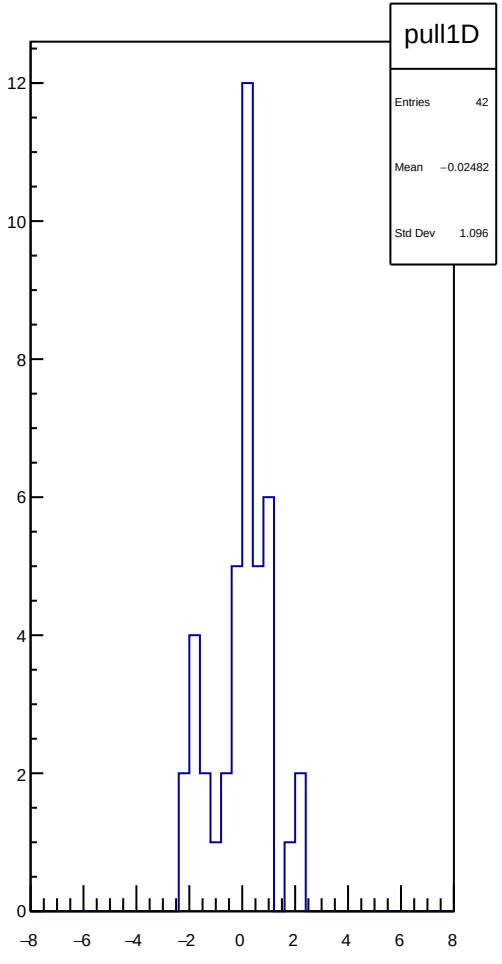

pull1D
Entries 42
Mean 0.05002
Std Dev 0.9279

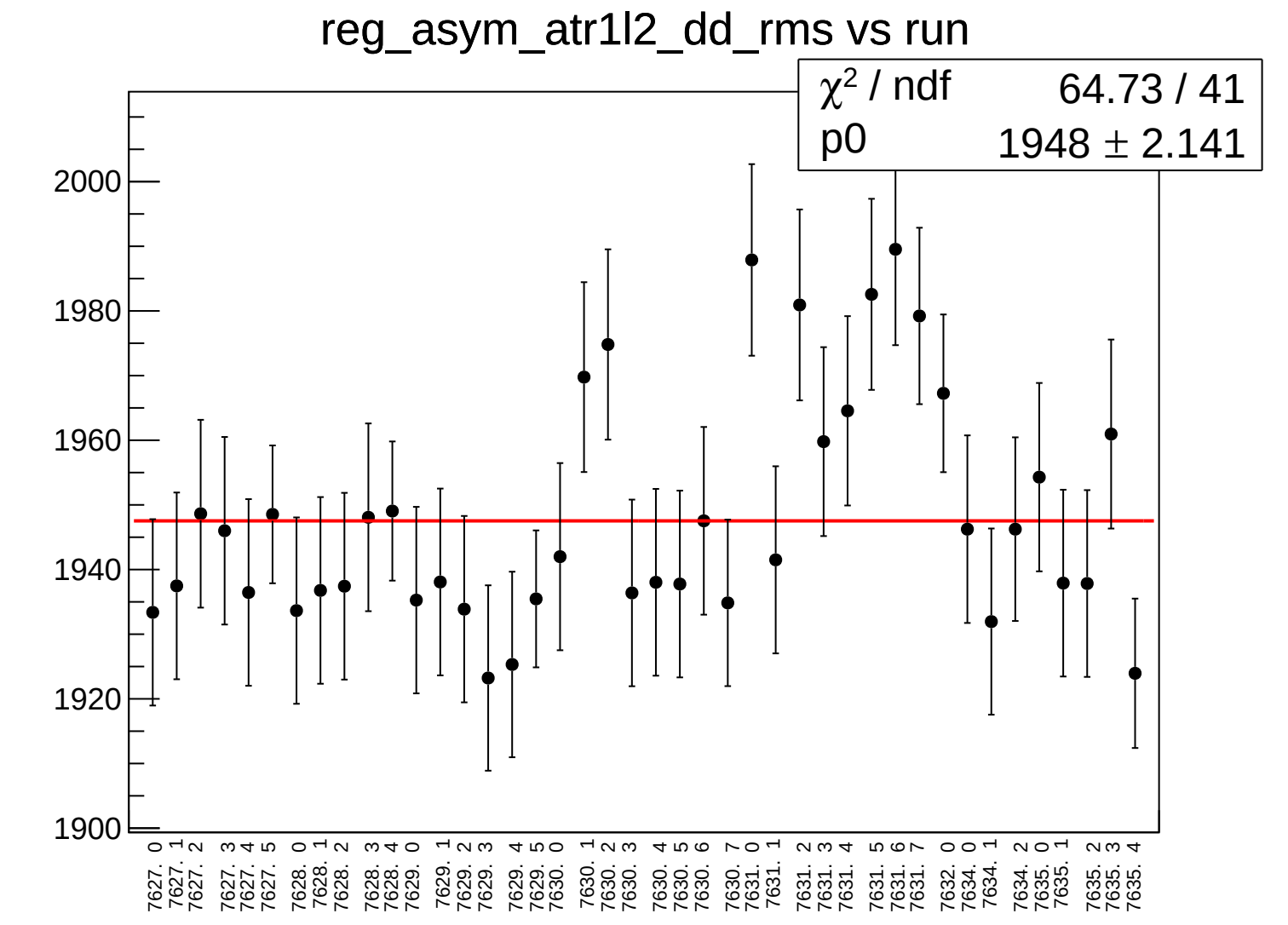

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.638e+04 / 41
p0 263 ± 0.2956
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

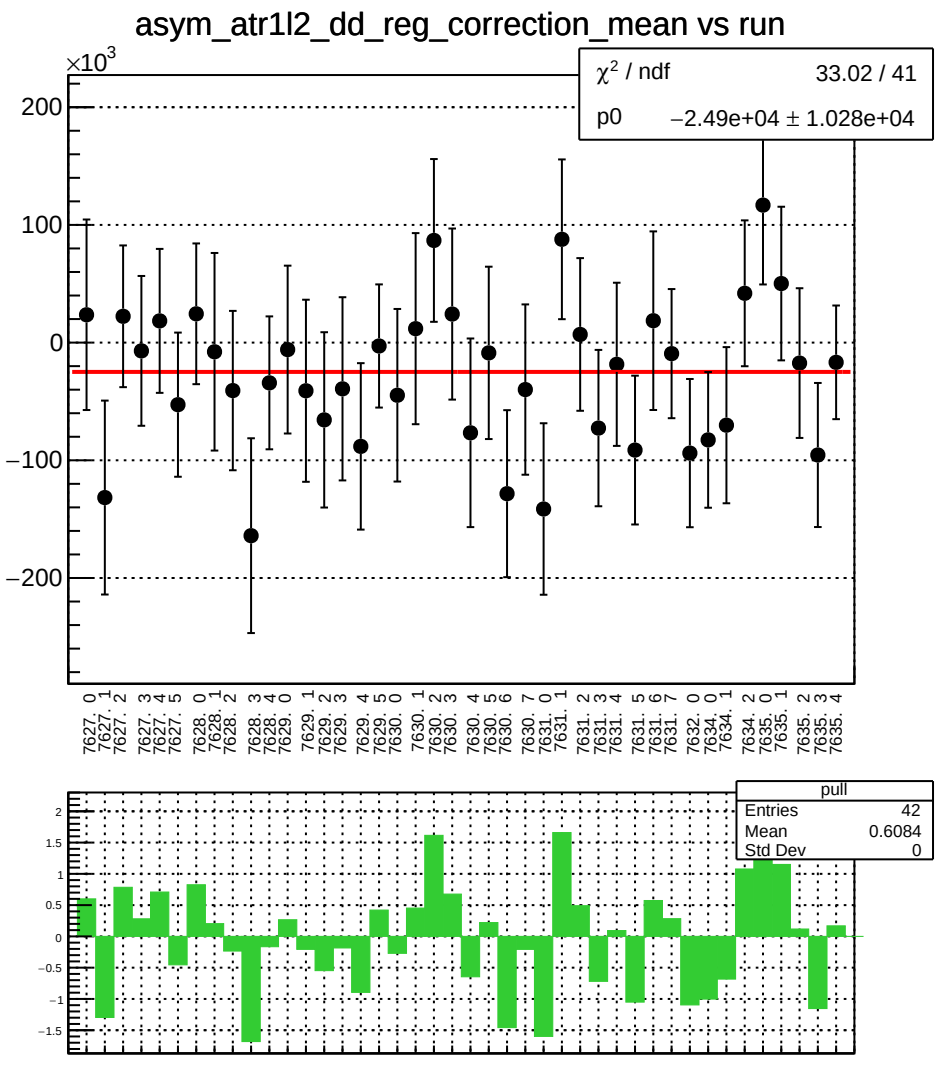

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 34.08 / 41
p0 −1.252e−12 ± 1.816e−12
0.15
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.535
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.05577
Std Dev 0.8991
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

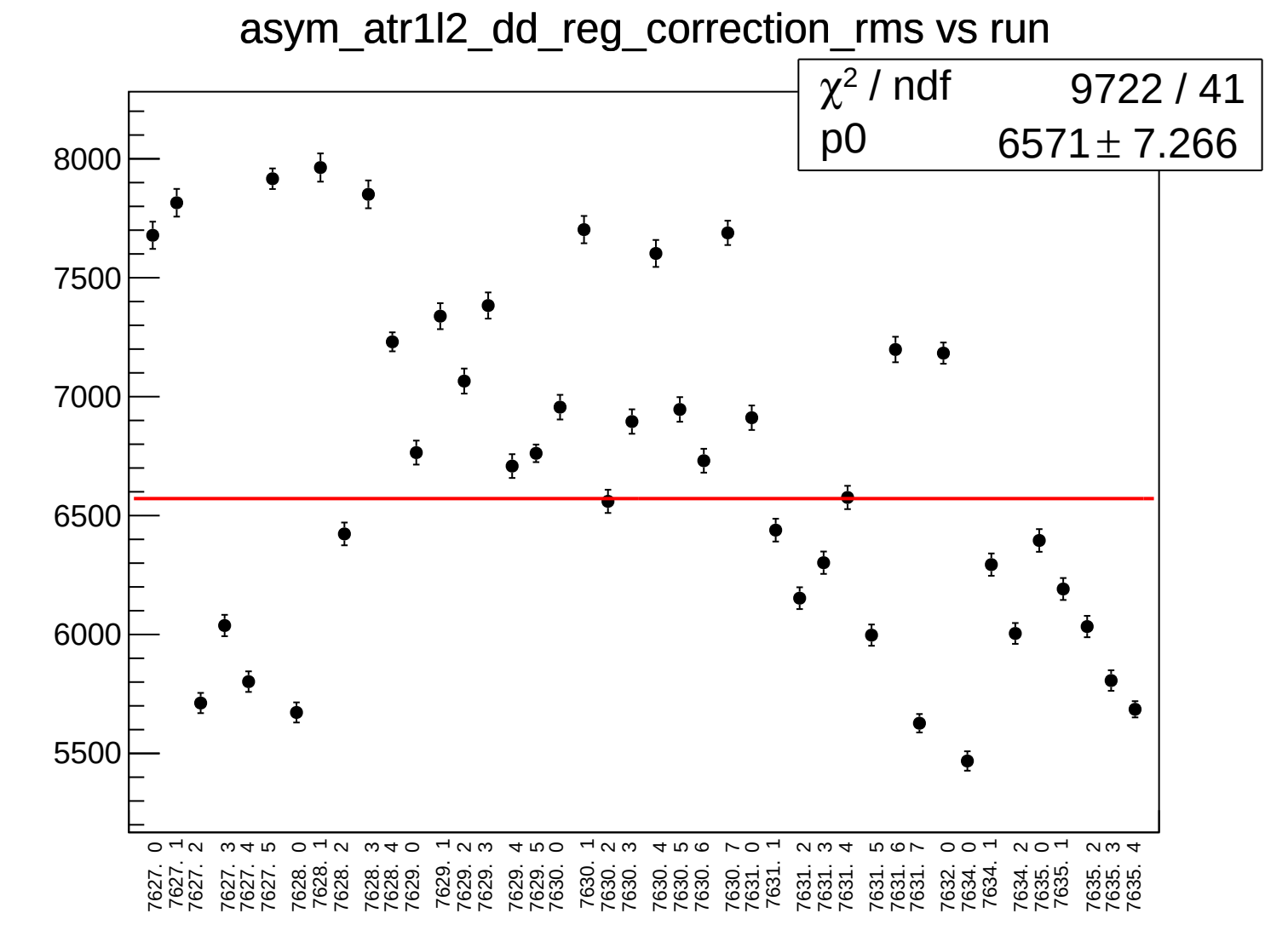

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.239e+05 / 41
p0 9.115e−10 ± 1.284e−12
8
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

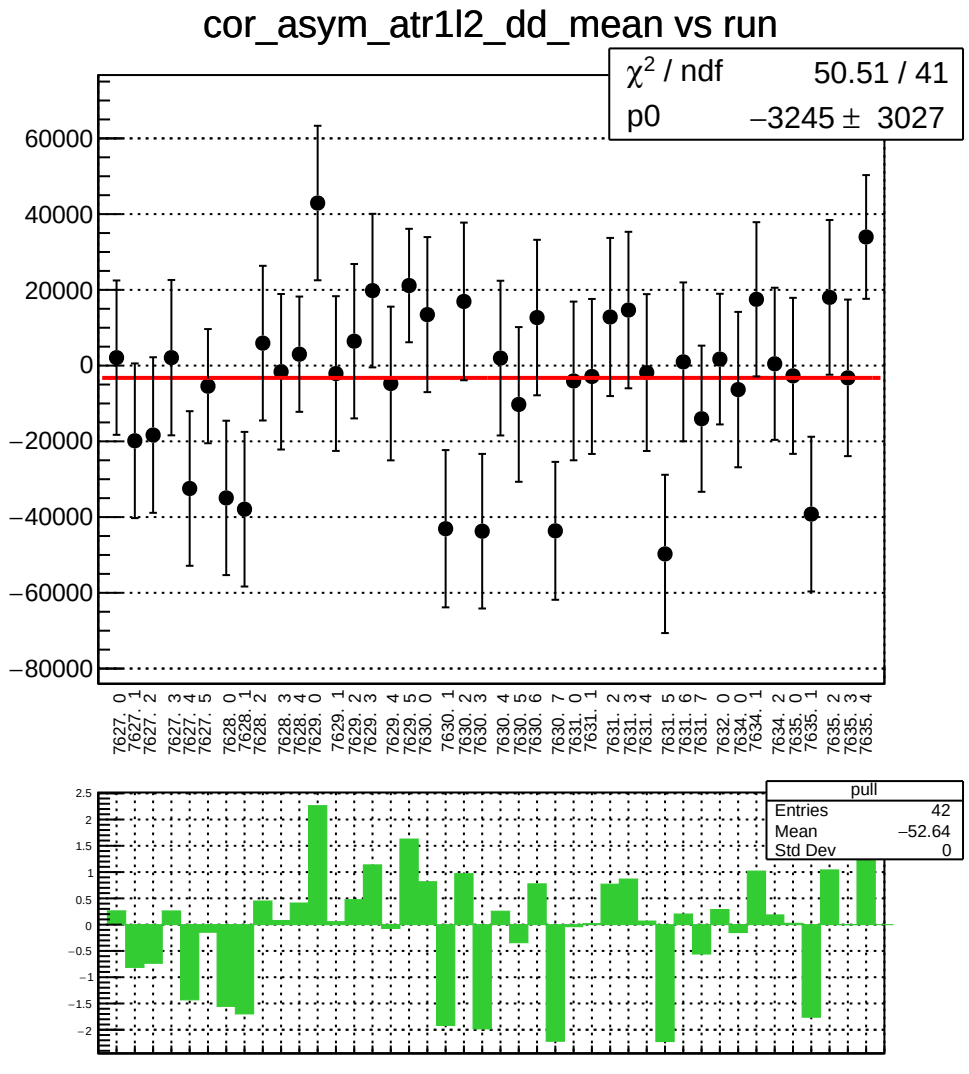

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 50.52 / 41
p0 −3245 ± 3027
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −52.64
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

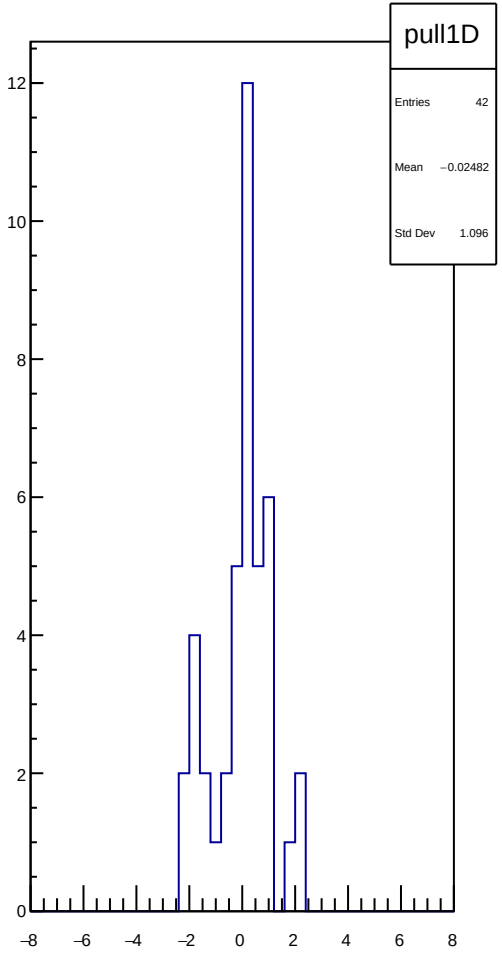

pull1D
Entries 42
Mean −0.02482
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

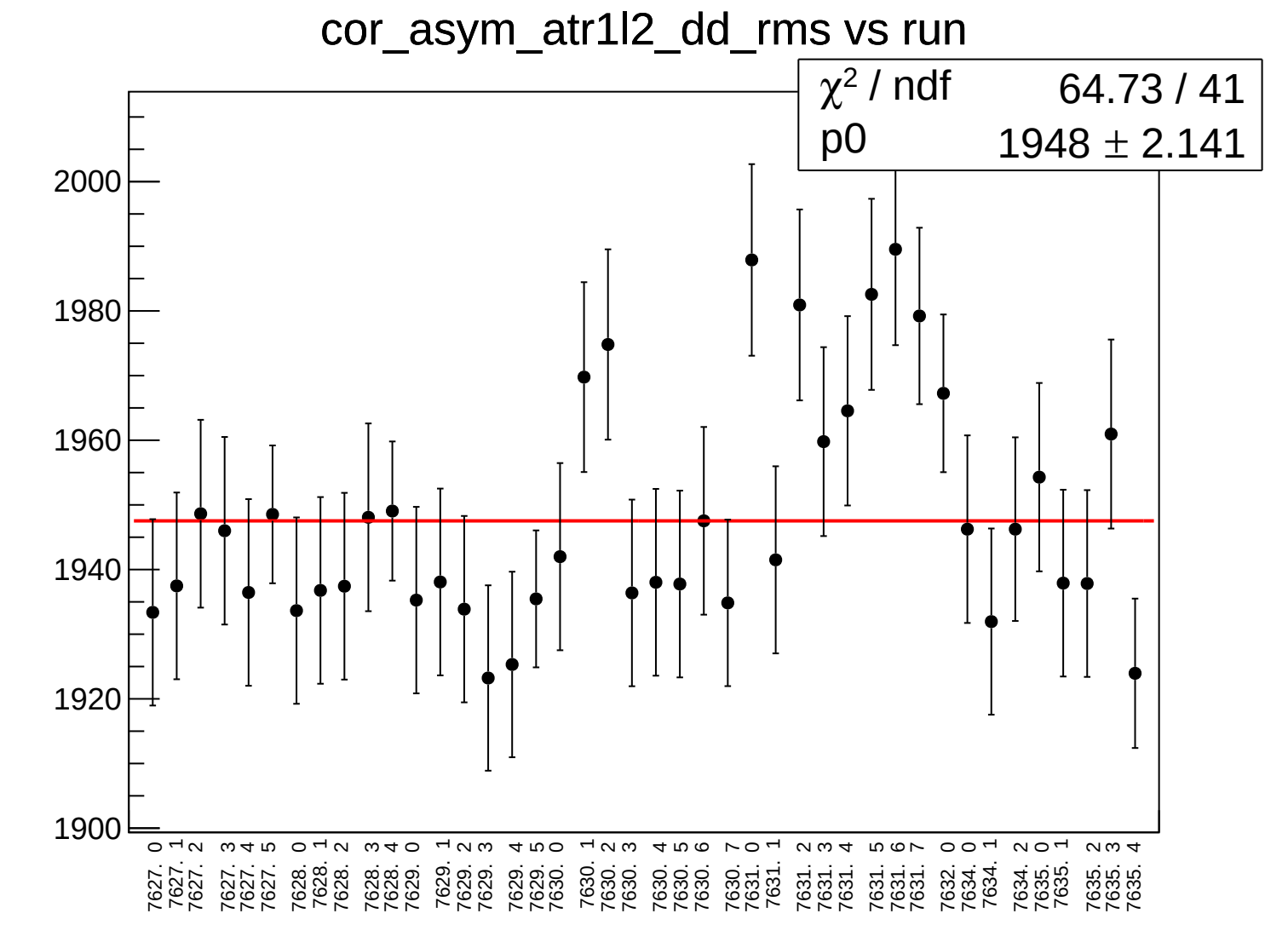

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 64.73 / 41
p0 1948 ± 2.141
2000
1980
1960
1940
1920
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

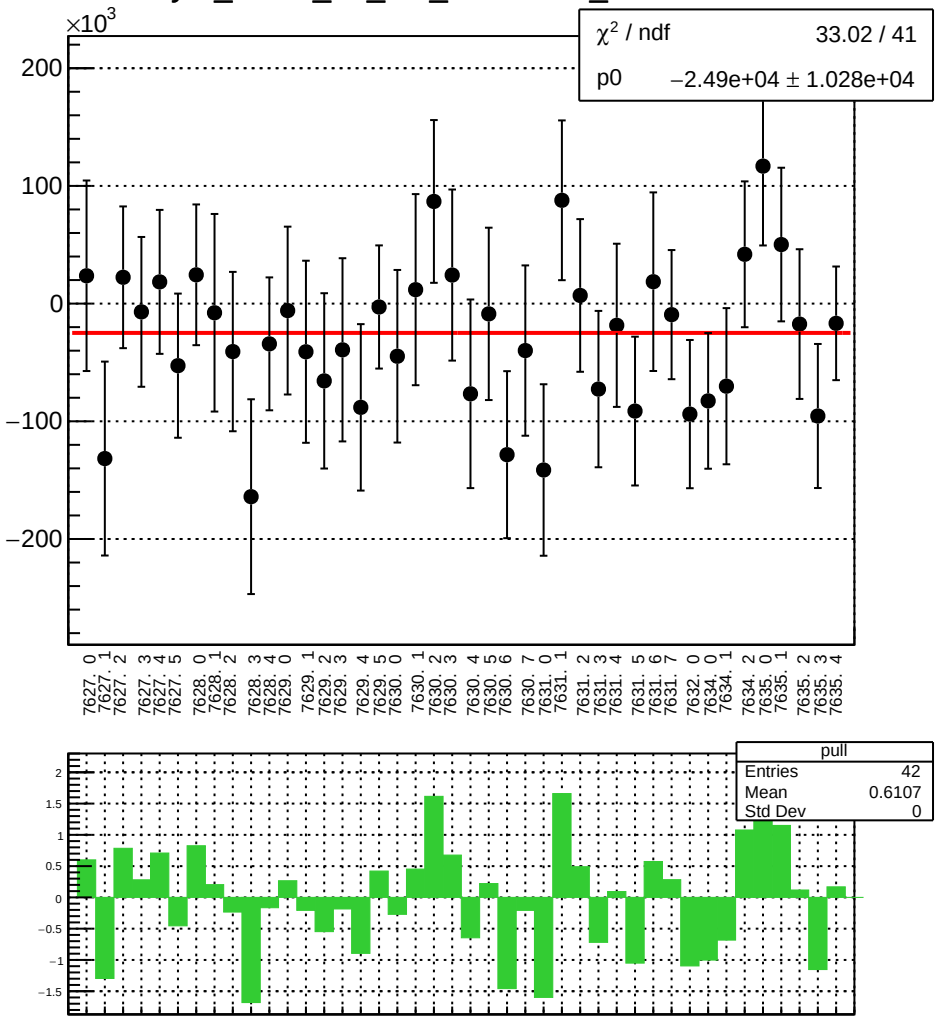

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 33.02 / 41
p0 −2.49e+04 ± 1.028e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.6084
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.01843
Std Dev 0.8865
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

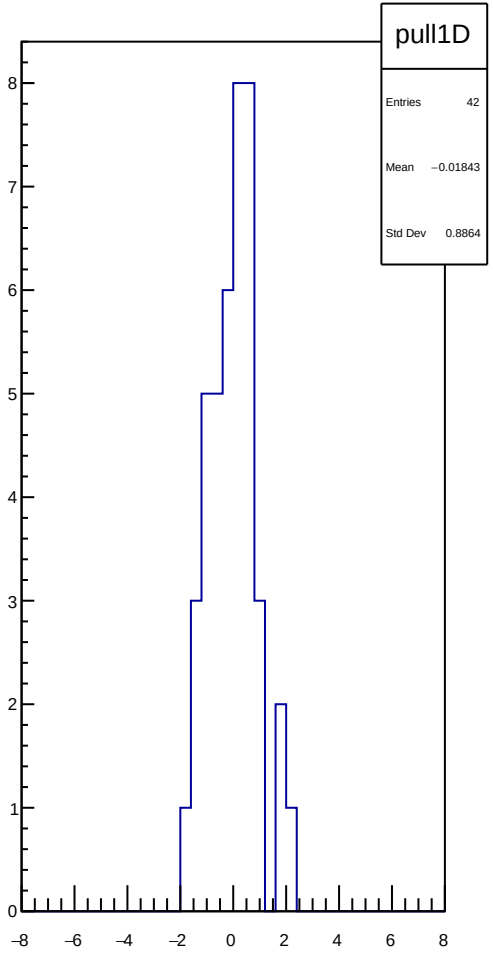

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 9722 / 41
p0 6571 ± 7.266
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

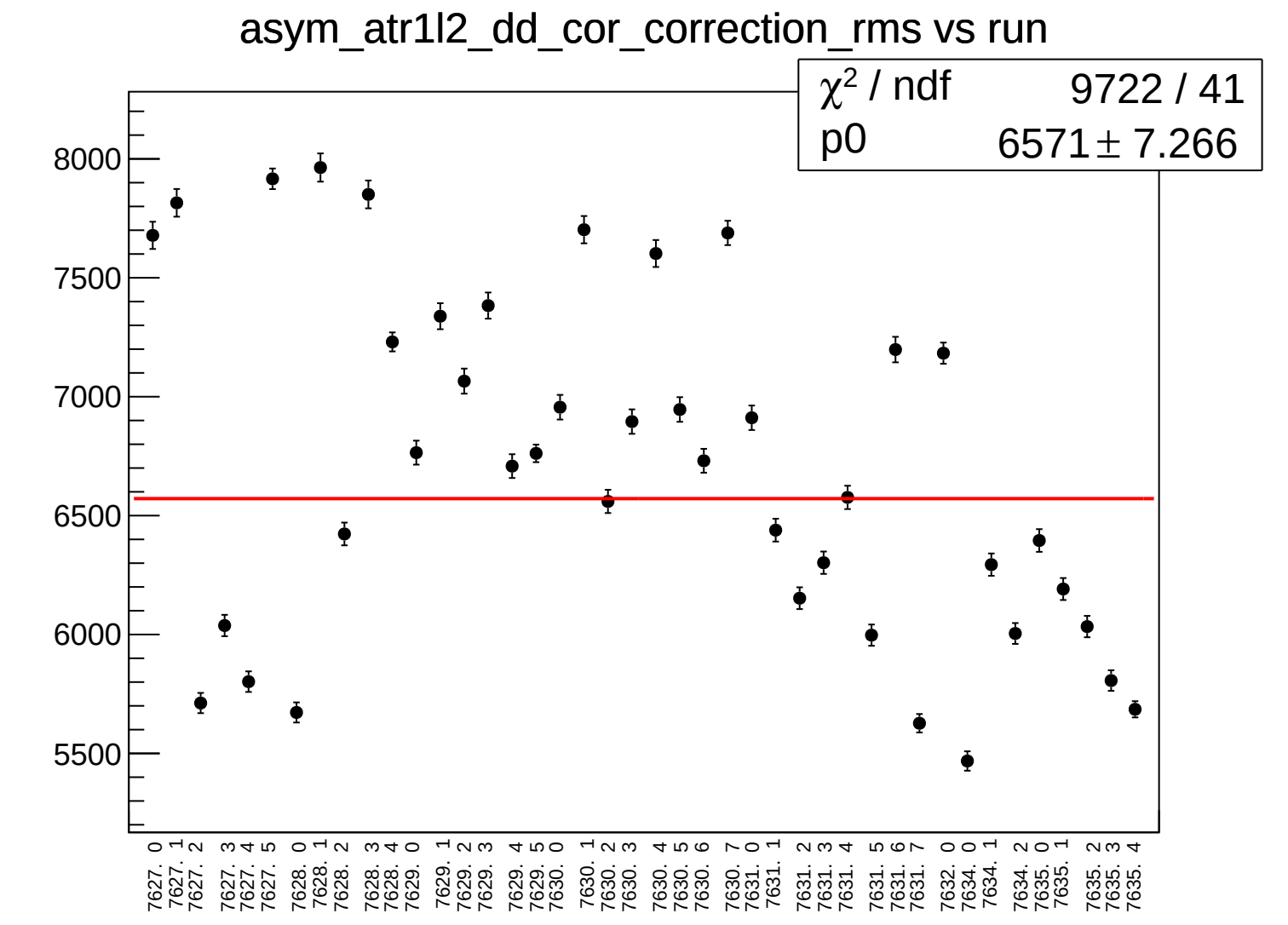

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 50.51 / 41
p0 −3245 ± 3027
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −52.64
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

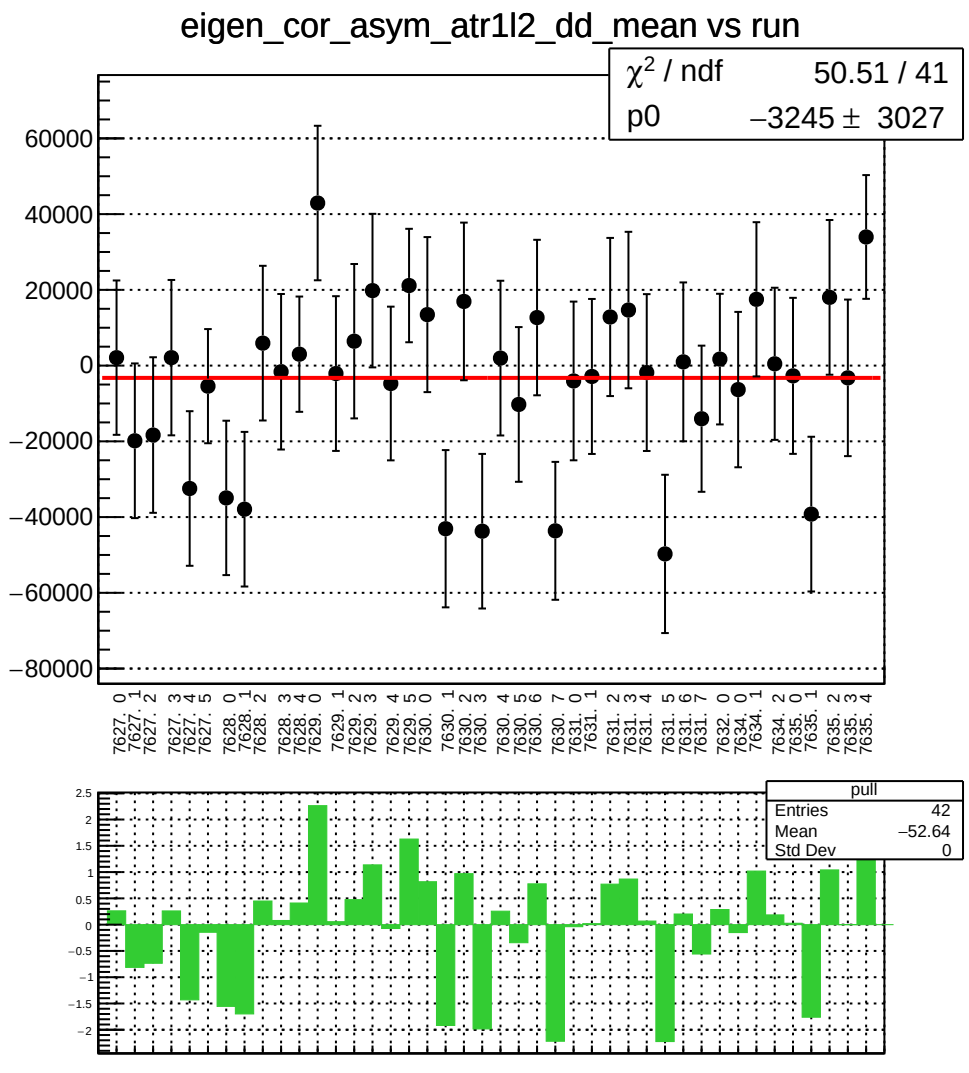

pull1D
Entries 42
Mean −0.02482
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1l2_dd_rms vs run
χ² / ndf 64.73 / 41
p0 1948 ± 2.141
2000
1980
1960
1940
1920
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 33.02 / 41
p0 −2.49e+04 ± 1.028e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.6107
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01843
Std Dev 0.8864
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 9722 / 41
p0 6571 ± 7.266
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 50.51 / 41
p0 −3245 ± 3027
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
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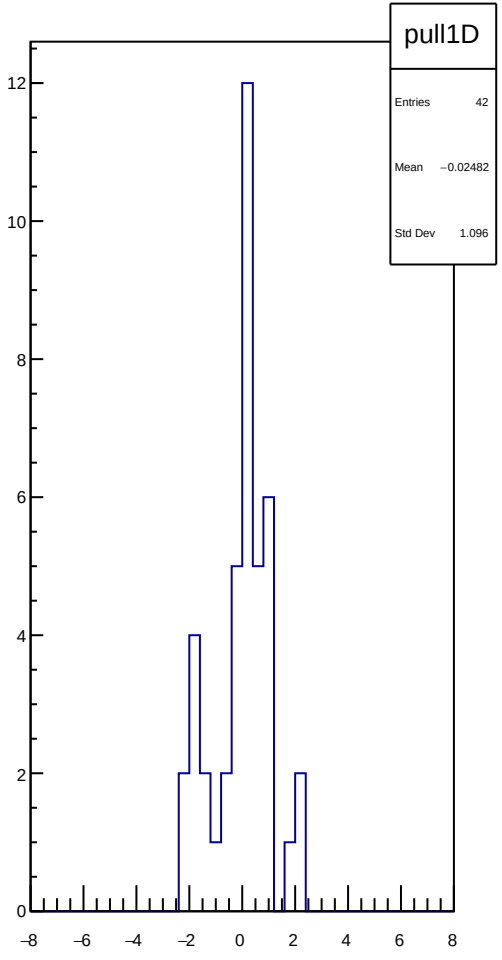
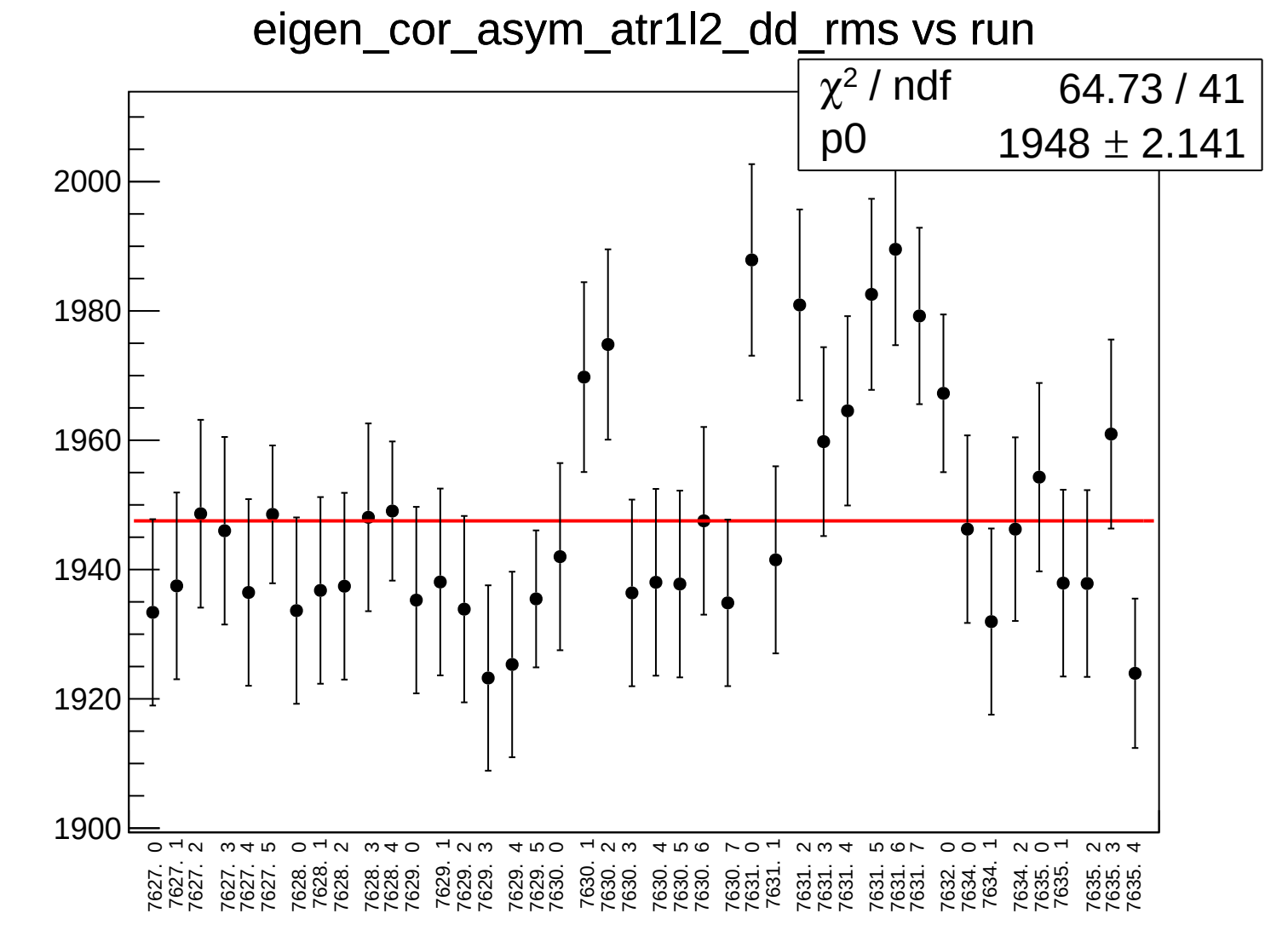
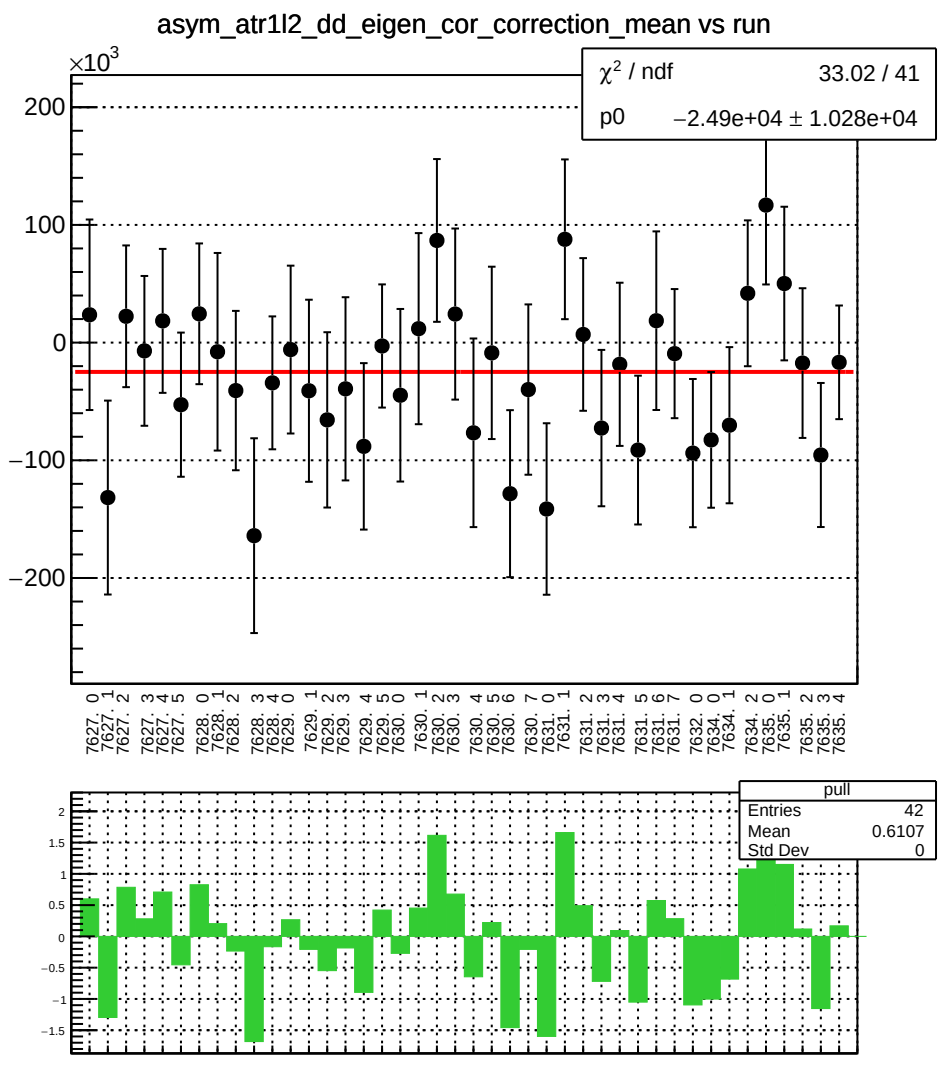
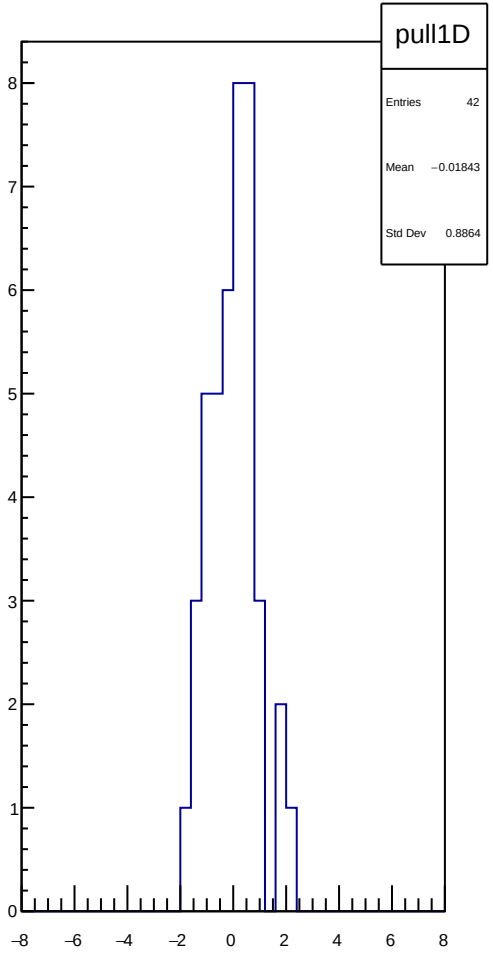
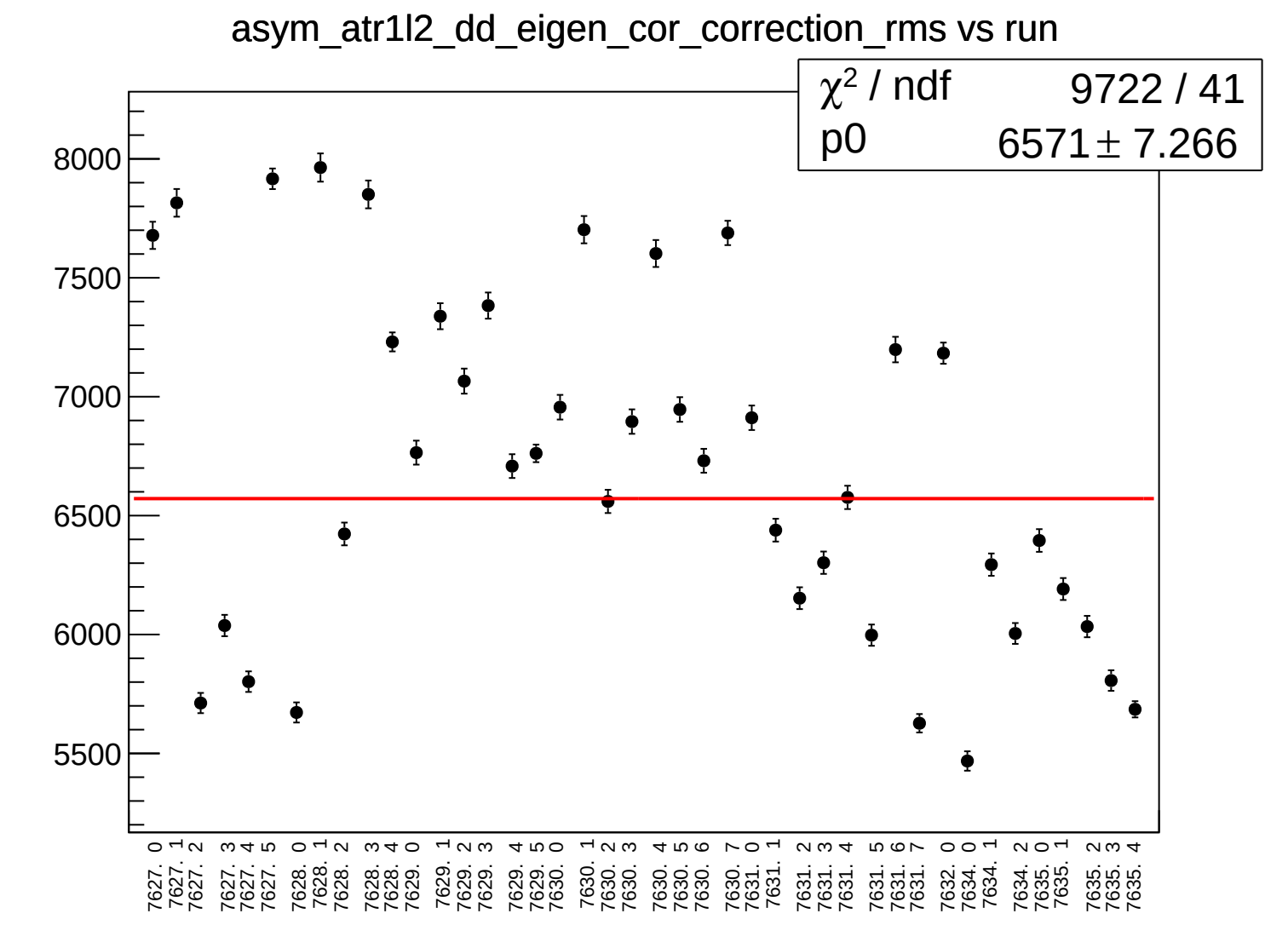
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −52.64
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

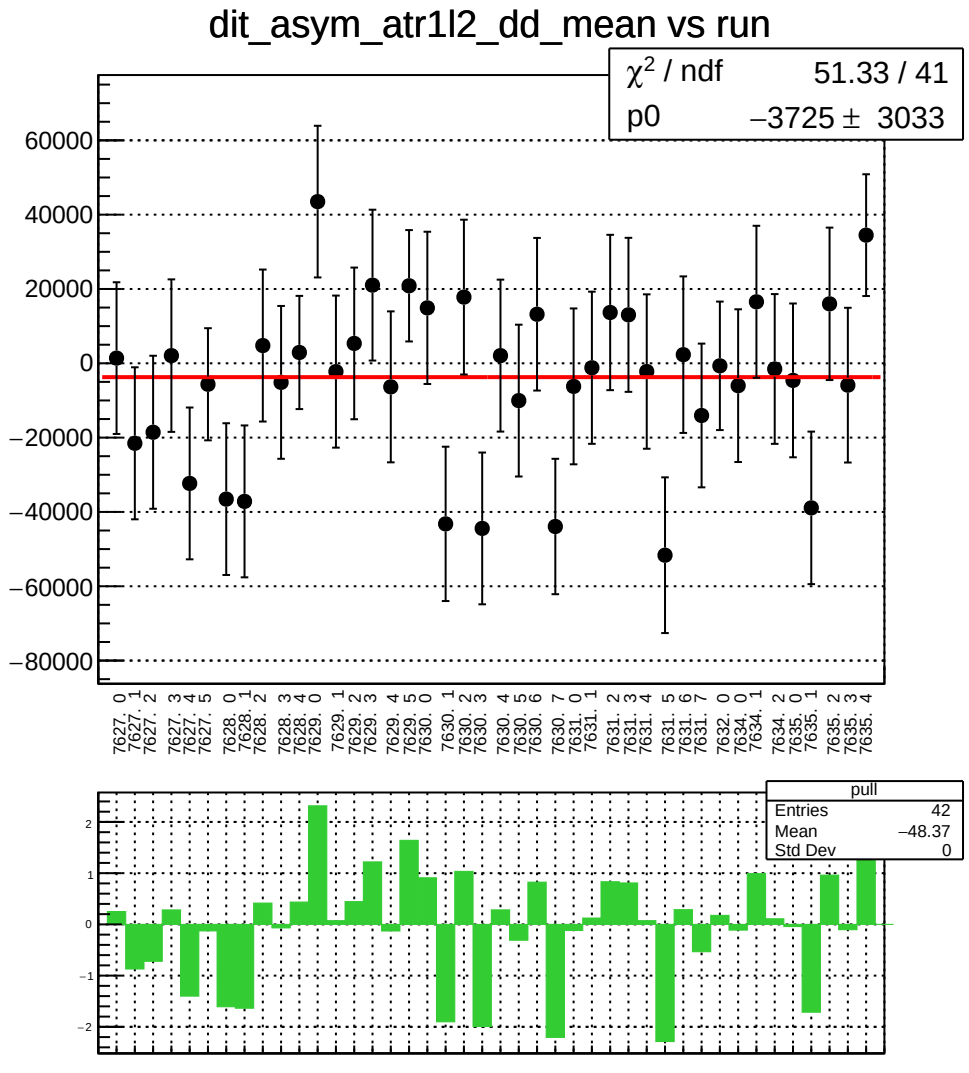

pull1D
Entries 42
Mean −0.02482
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

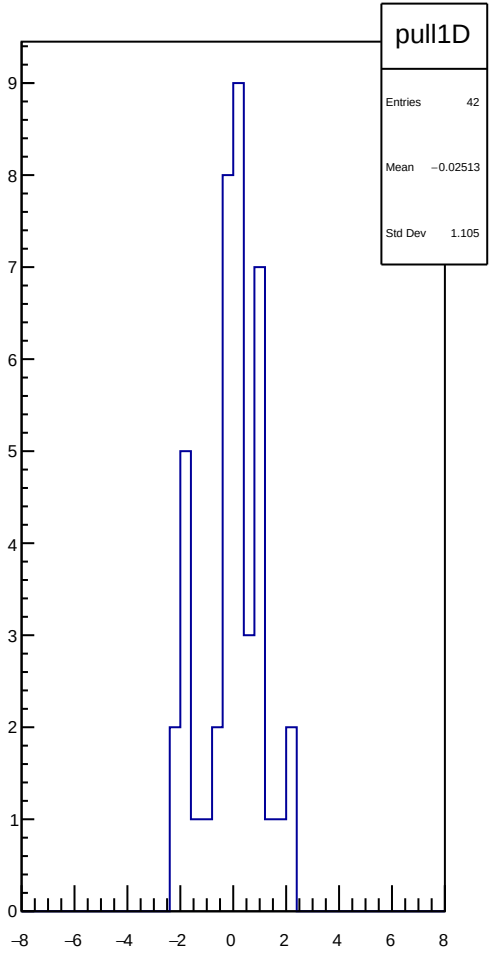

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 64.73 / 41
p0 1948 ± 2.141
2000
1980
1960
1940
1920
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

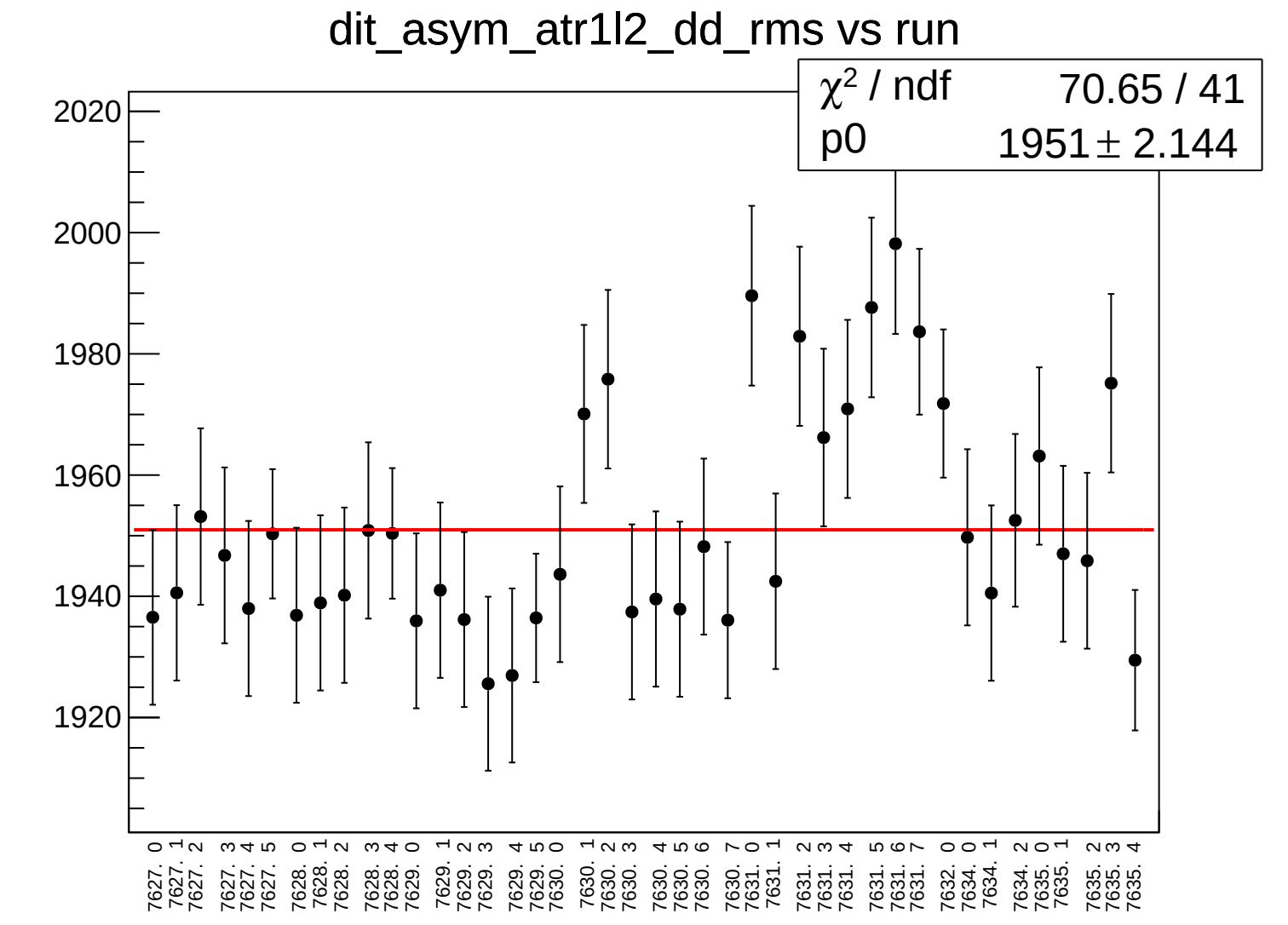

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 33.02 / 41
p0 −2.49e+04 ± 1.028e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.6107
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

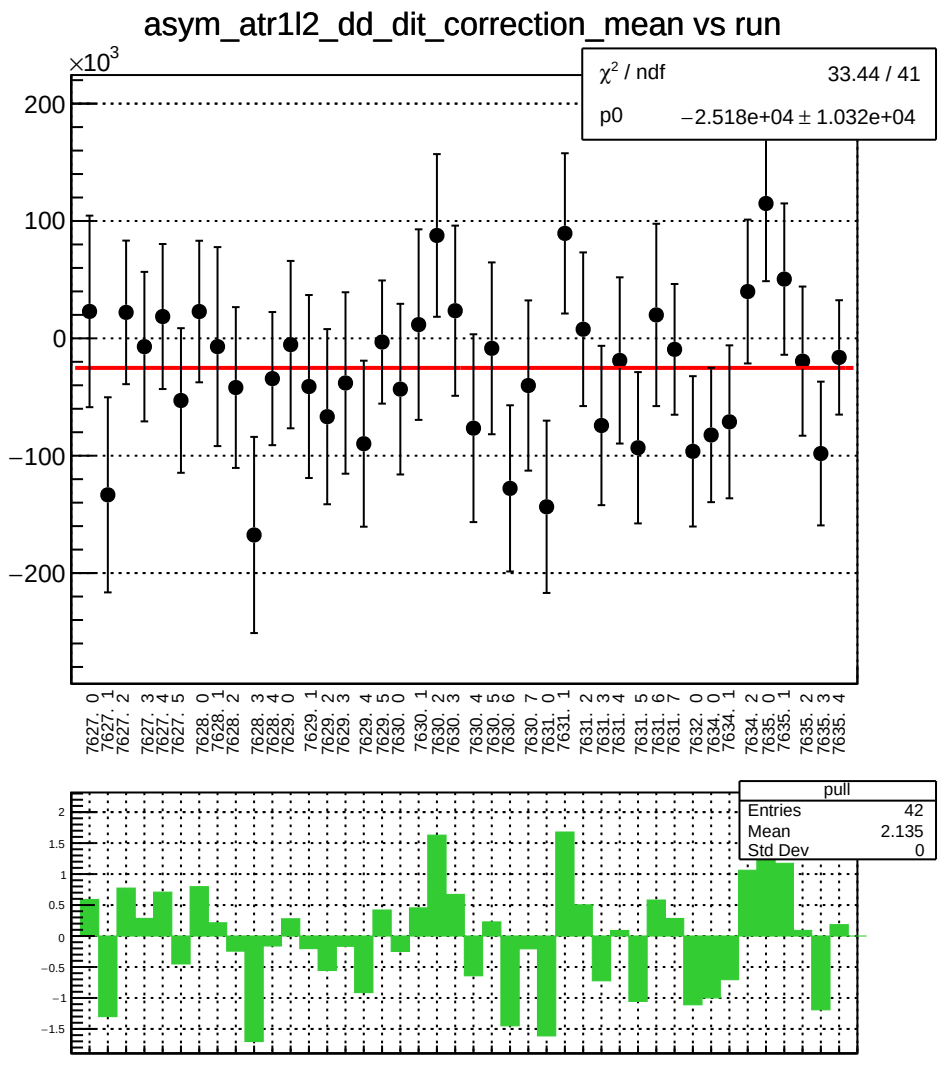

pull1D
Entries 42
Mean −0.01843
Std Dev 0.8864
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

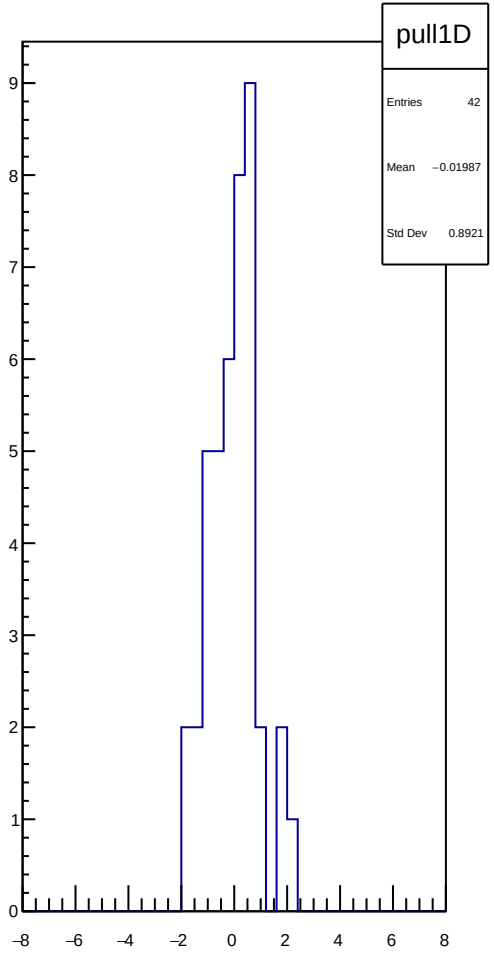

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 9722 / 41
p0 6571 ± 7.266
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

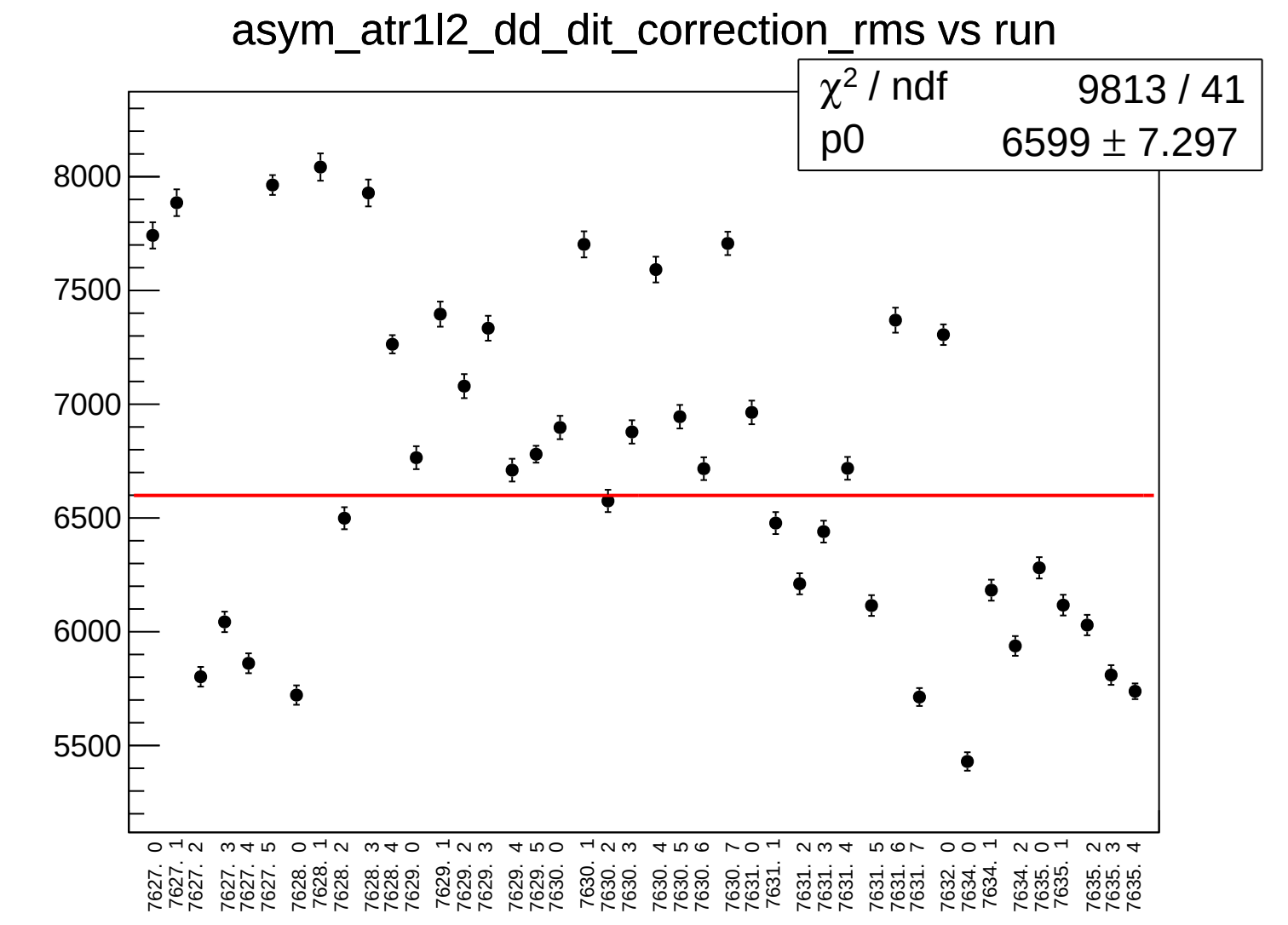

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 51.33 / 41
p0 −3725 ± 3033
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −48.37
Std Dev 0
2
1
0
−1
−2

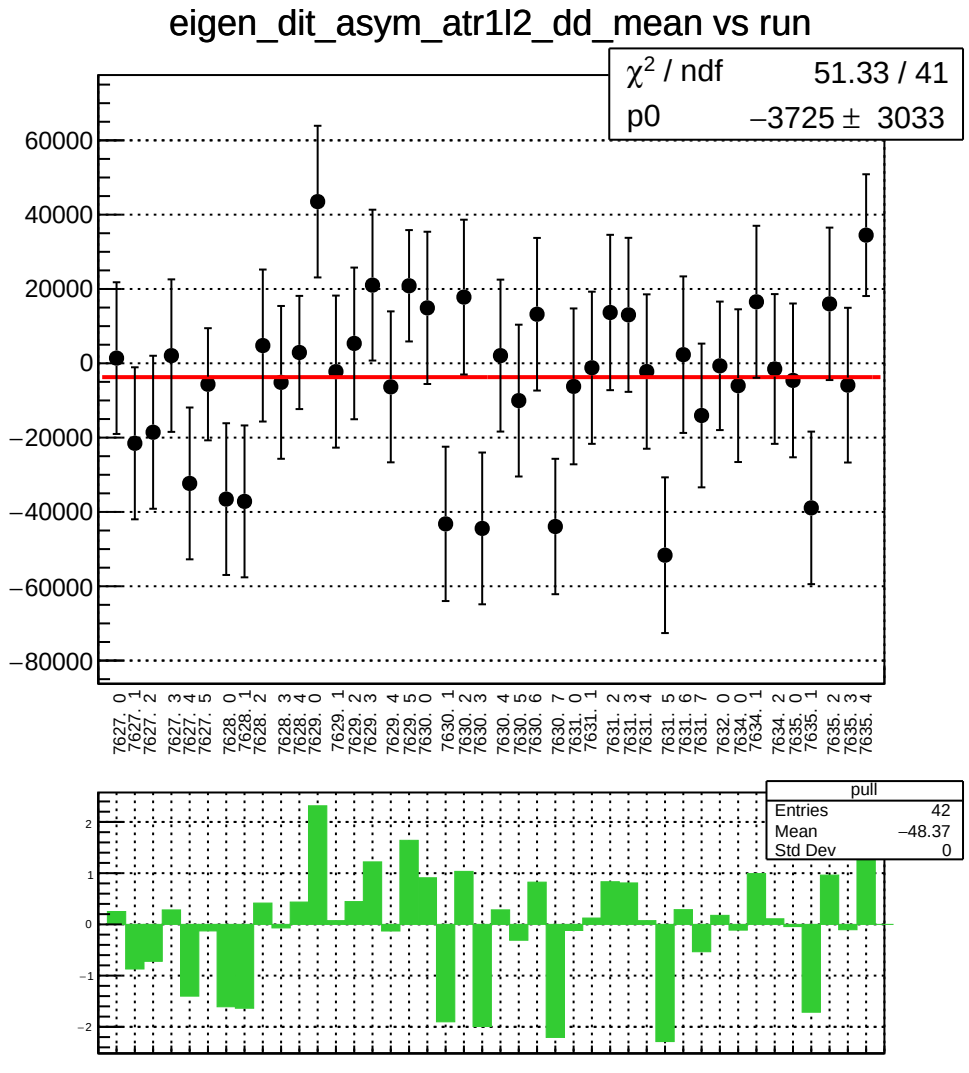

pull1D
Entries 42
Mean −0.02513
Std Dev 1.105
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

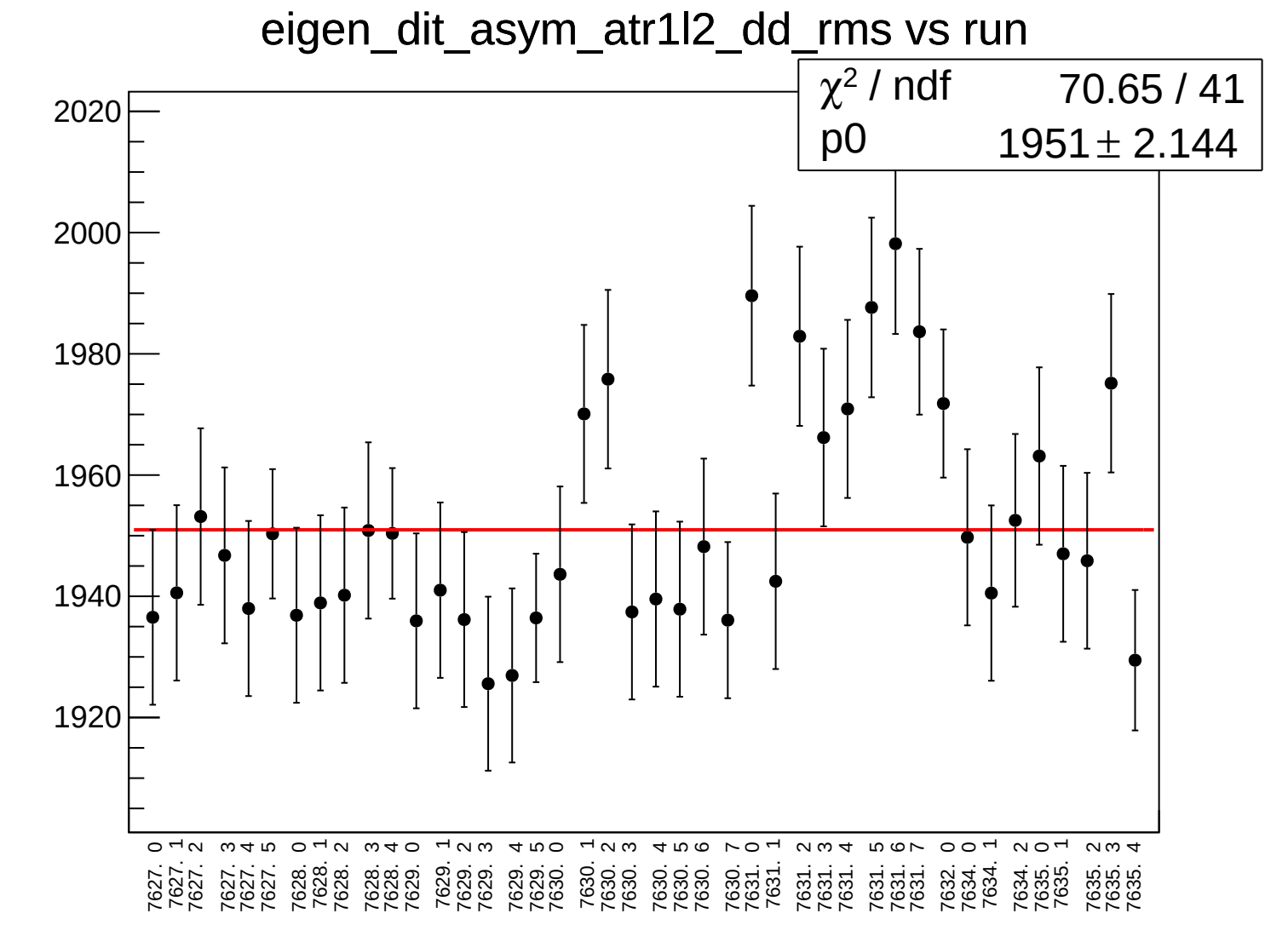

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 70.65 / 41
p0 1951 ± 2.144
2020
2000
1980
1960
1940
1920
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

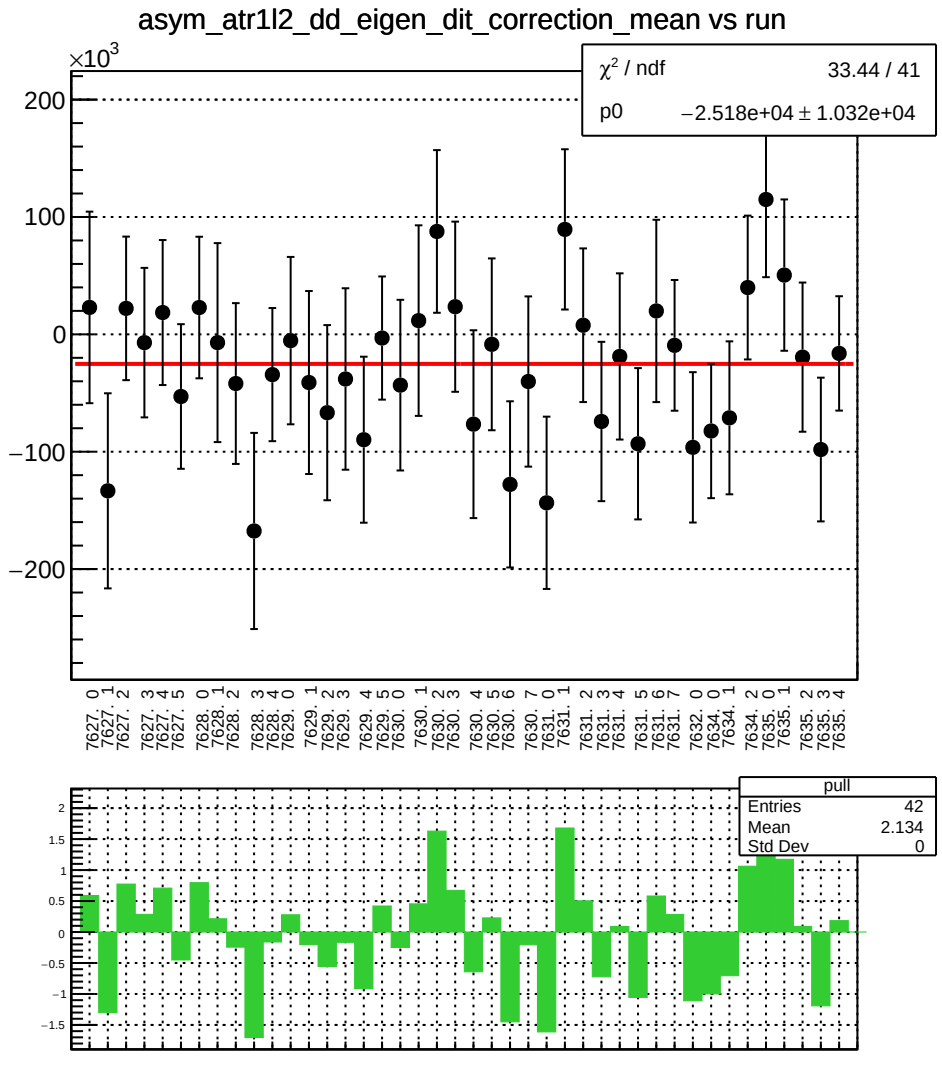

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 33.44 / 41
p0 −2.518e+04 ± 1.032e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2.135
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

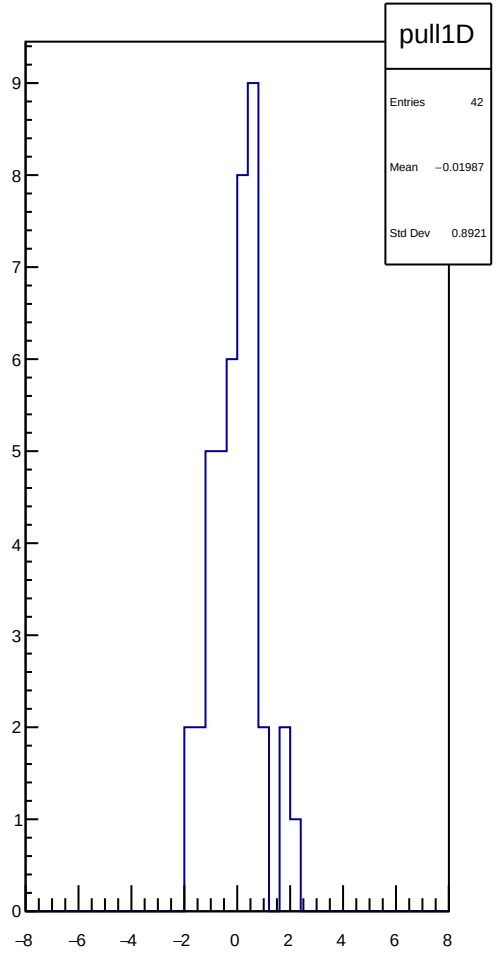

pull1D
Entries 42
Mean −0.01987
Std Dev 0.8921
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

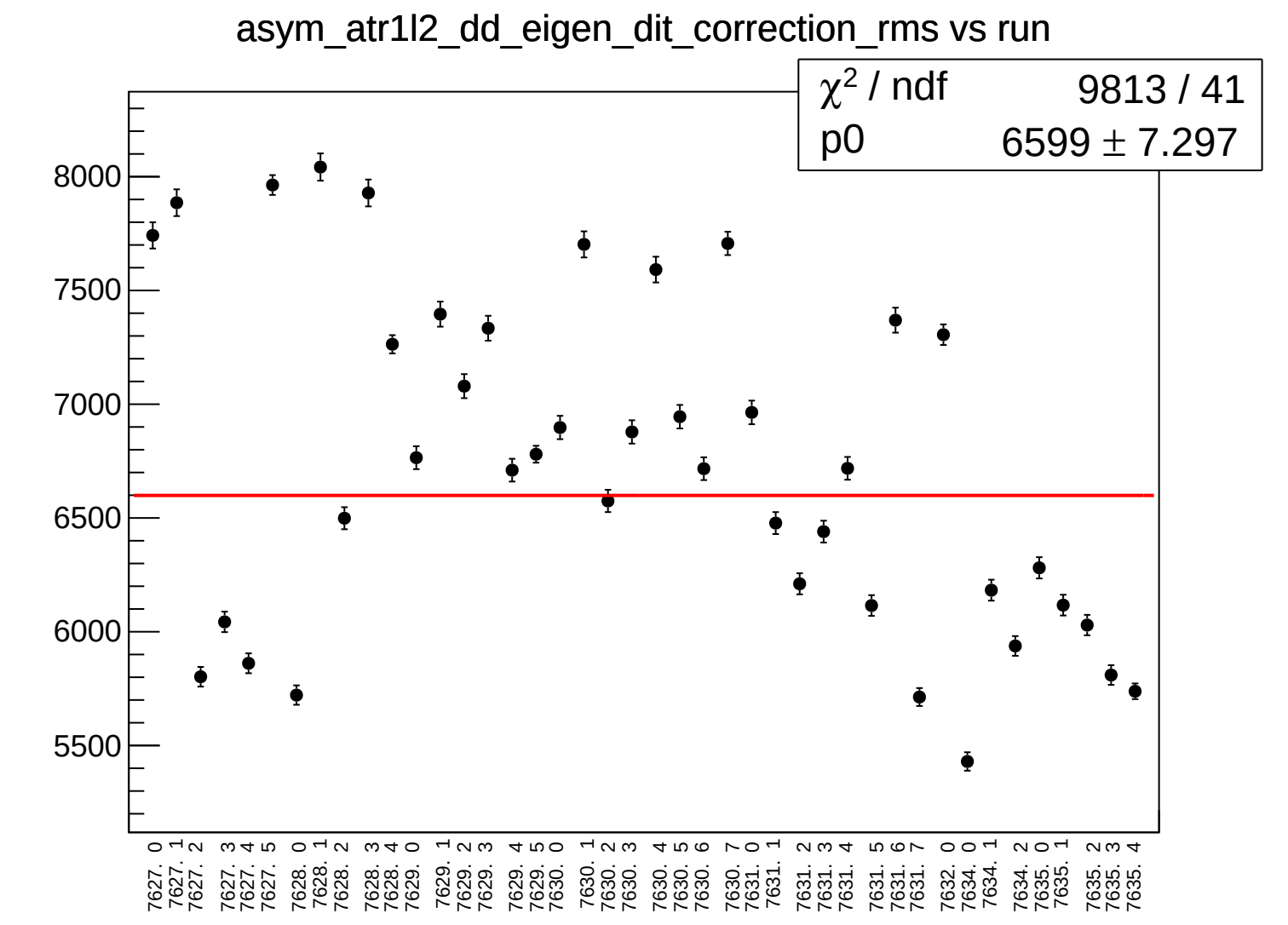

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 9813 / 41
p0 6599 ± 7.297
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

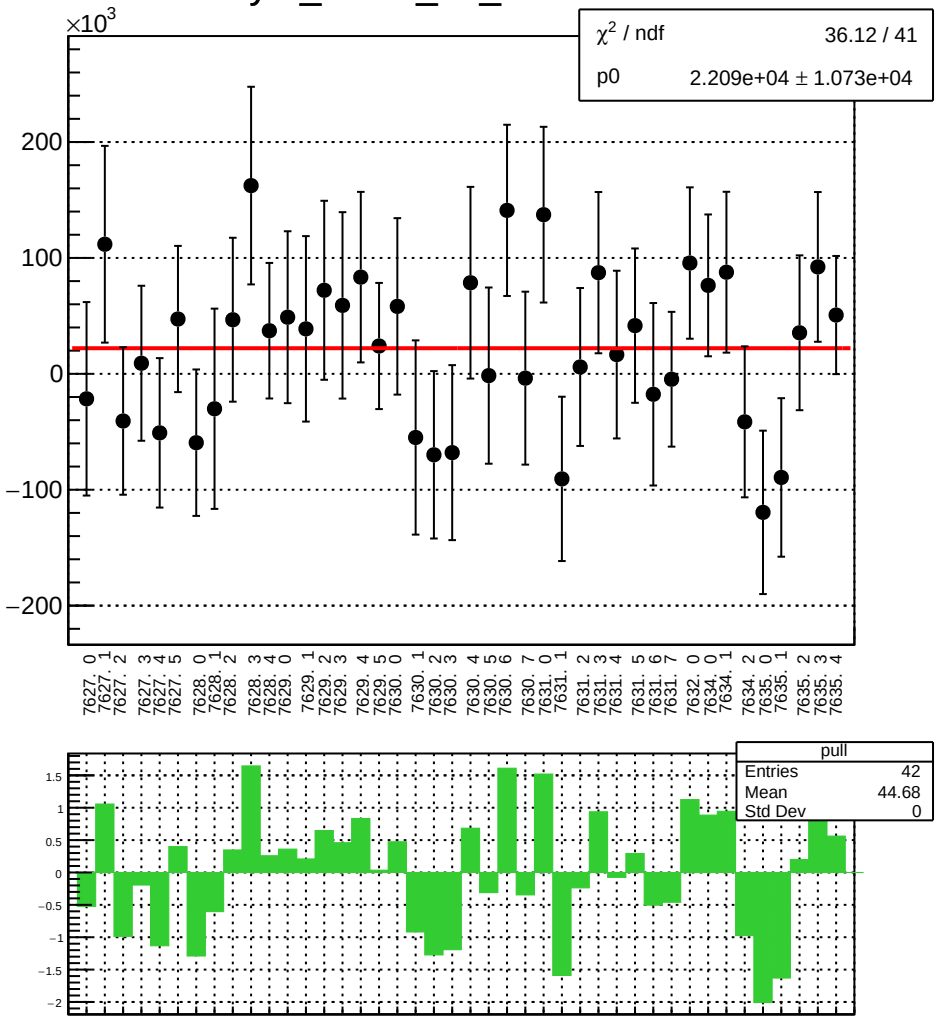

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 51.33 / 41
p0 −3725 ± 3033
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −48.37
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.02513
Std Dev 1.105
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

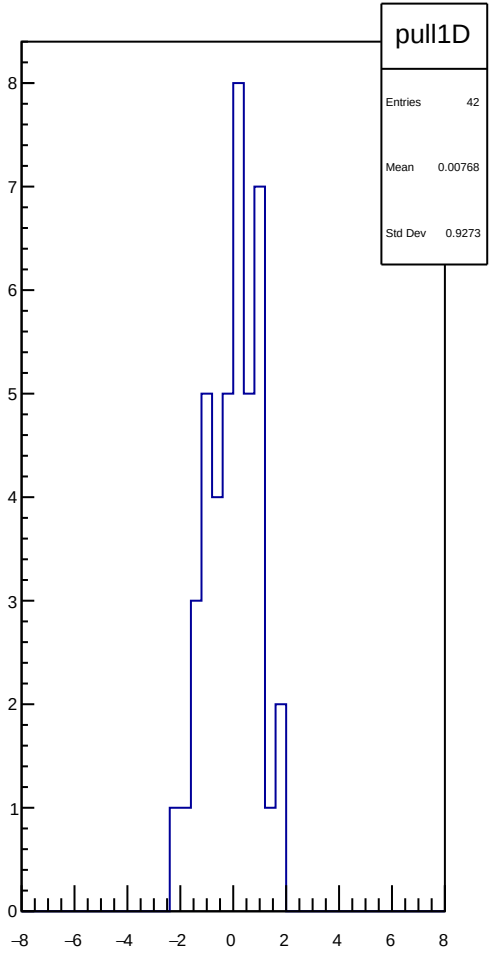

eigen_dit_asym_atr1l2_dd_rms vs run
χ^2 / ndf 70.65 / 41
p0 1951 ± 2.144
2020
2000
1980
1960
1940
1920
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

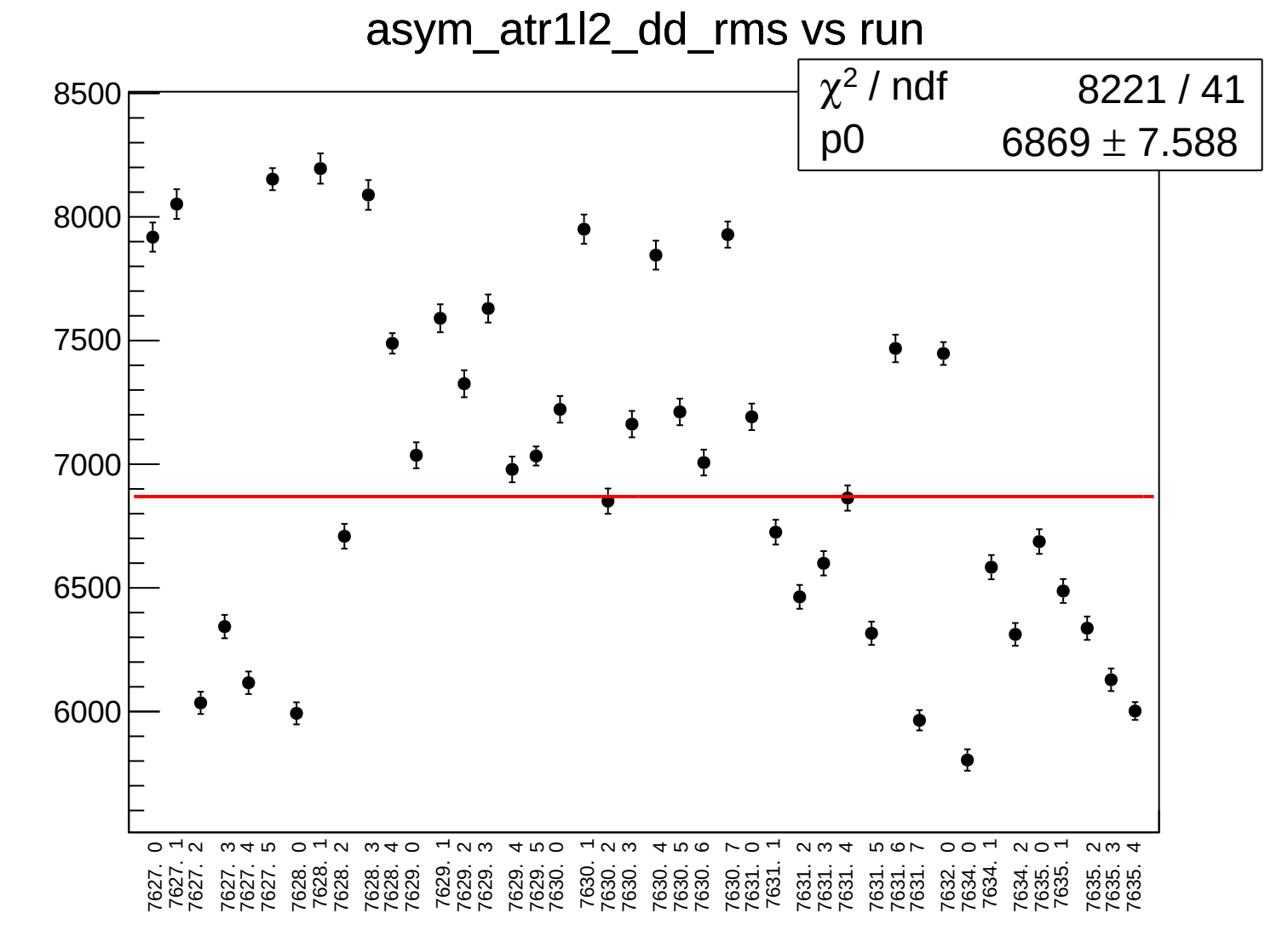

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 33.44 / 41
p0 −2.518e+04 ± 1.032e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2.134
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

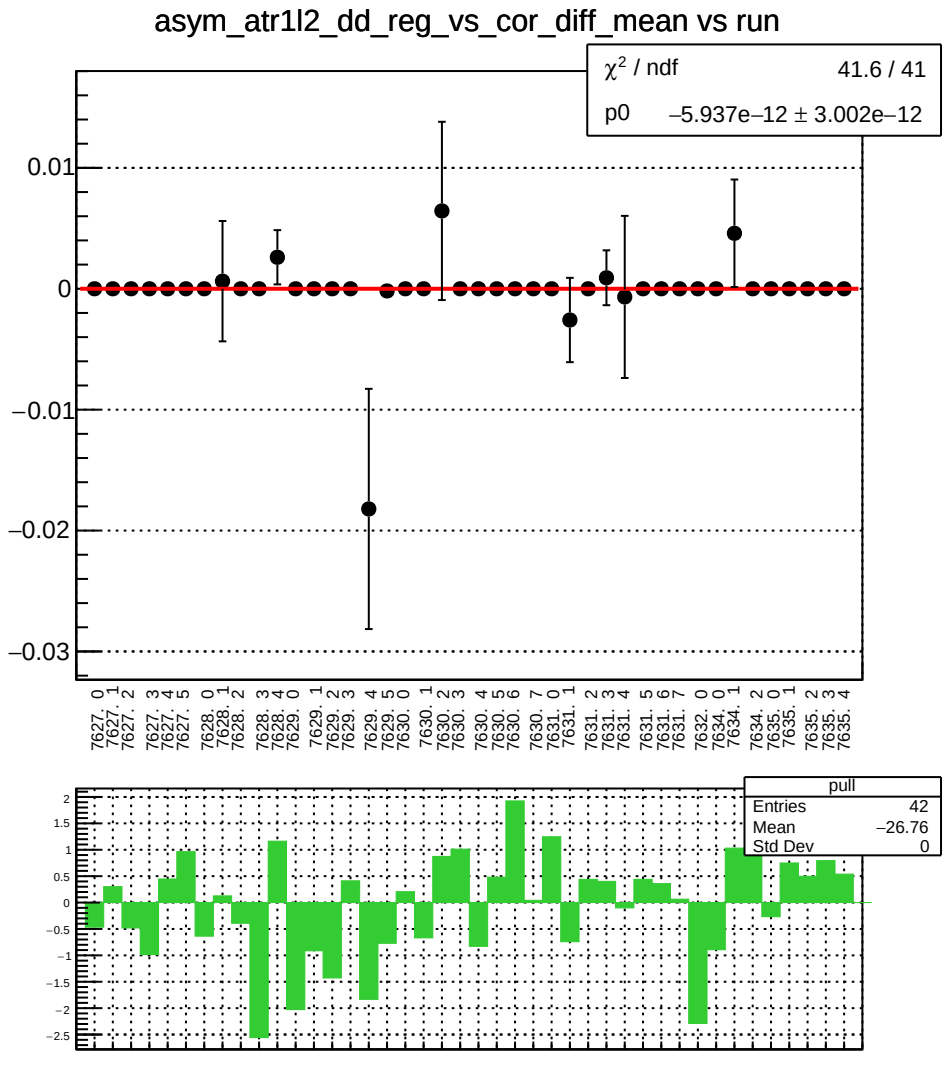

pull1D
Entries 42
Mean −0.01987
Std Dev 0.8921
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

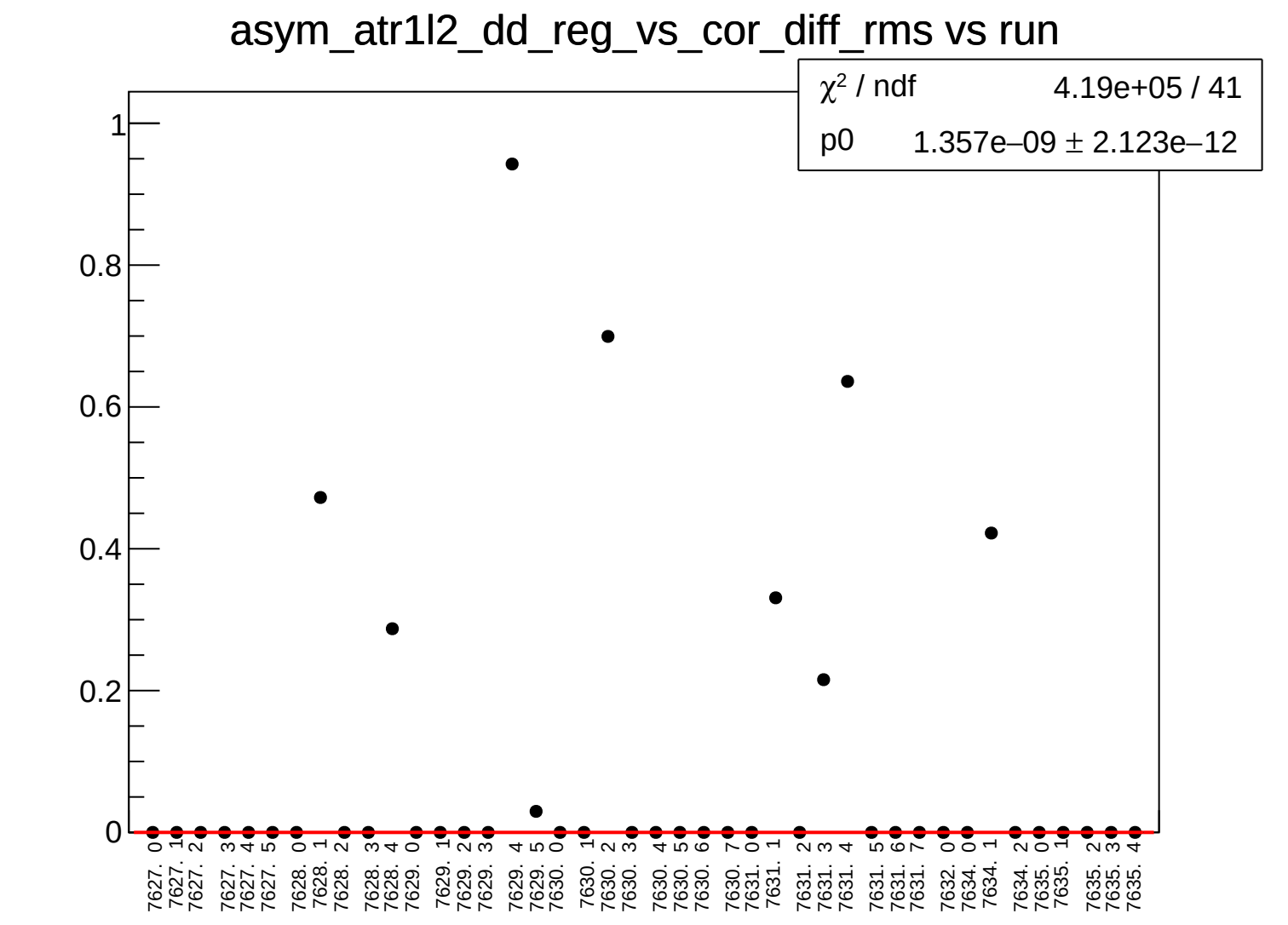

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 9813 / 41
p0 6599 ± 7.297
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

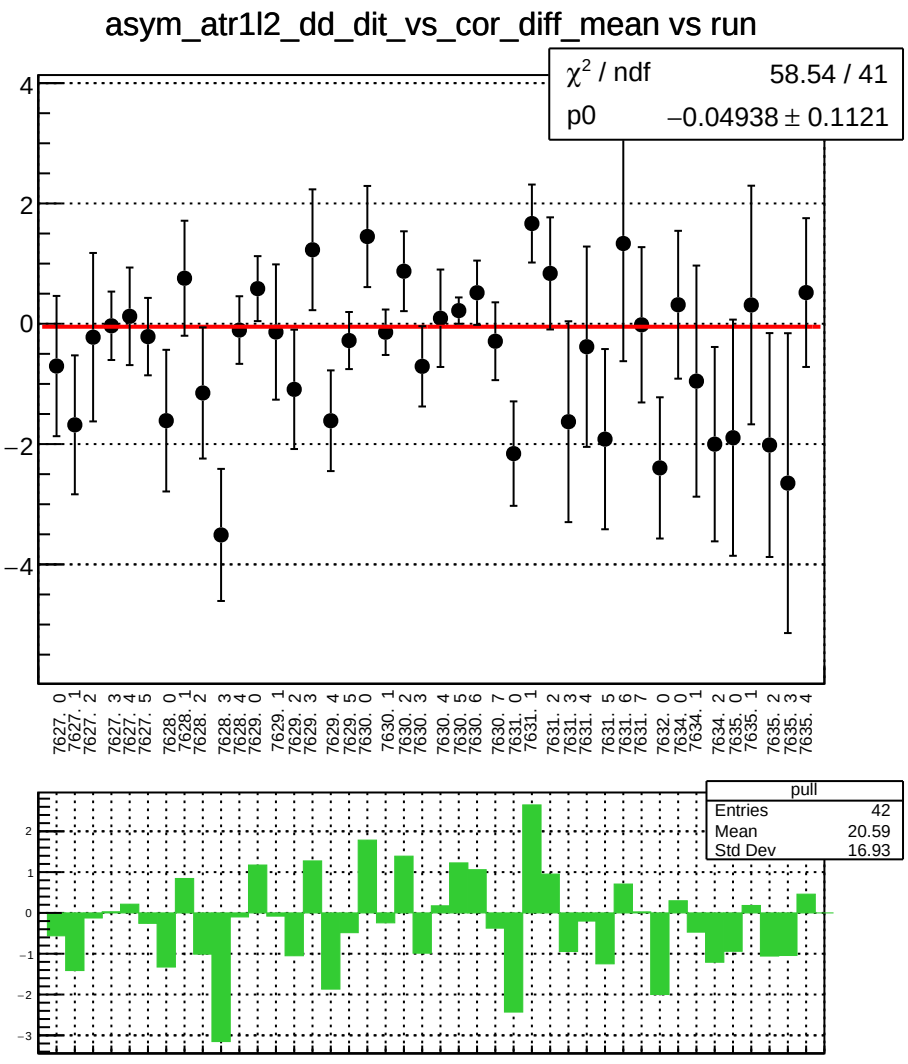

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 36.12 / 41
p0 2.209e+04 ± 1.073e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 44.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

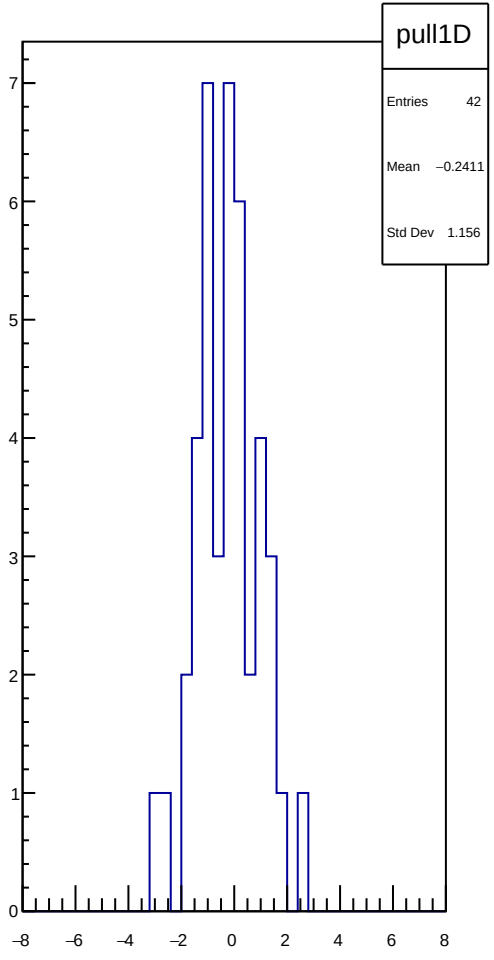

pull1D
Entries 42
Mean 0.00768
Std Dev 0.9273
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

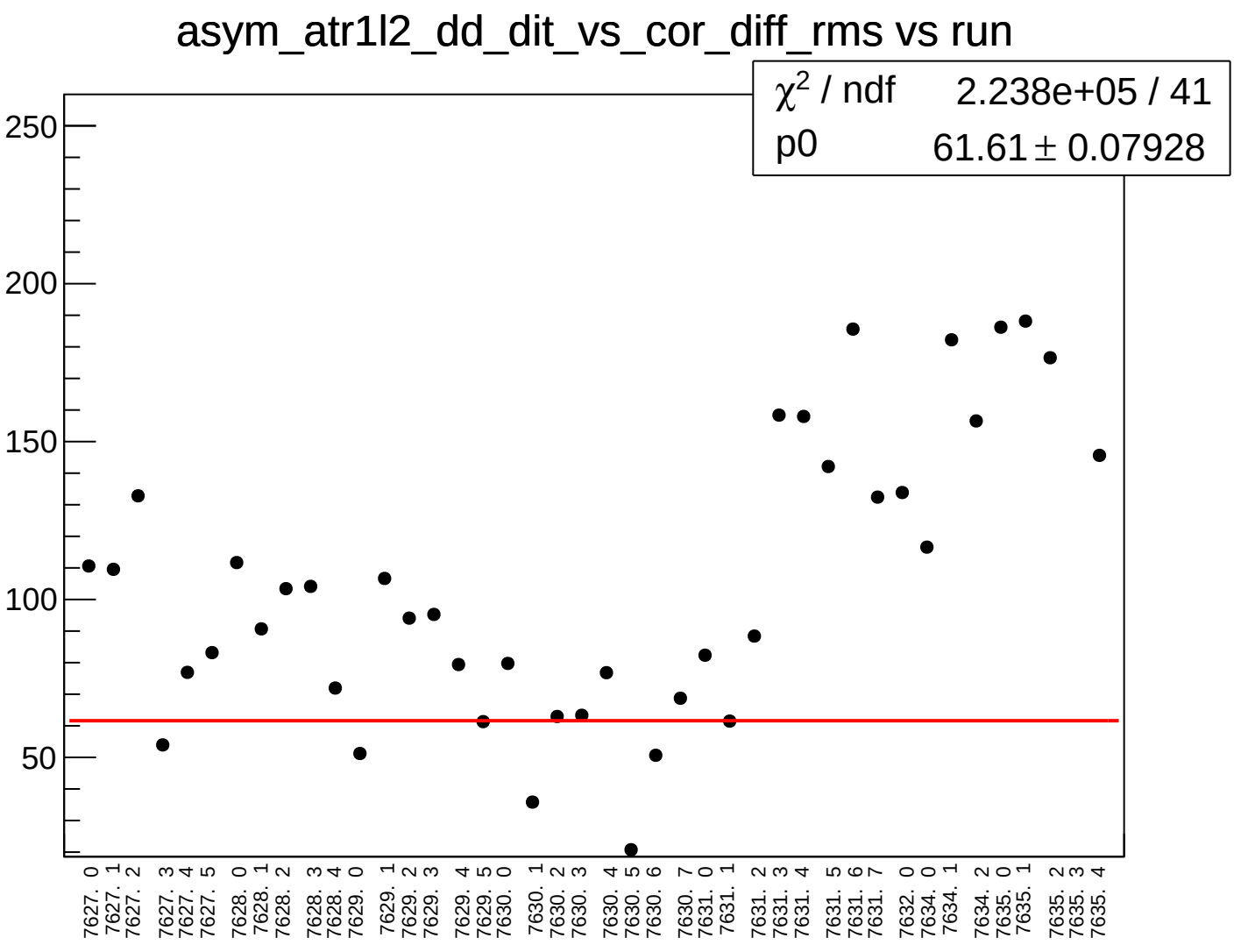

asym_atr1l2_dd_rms vs run
χ² / ndf 8221 / 41
p0 6869 ± 7.588
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

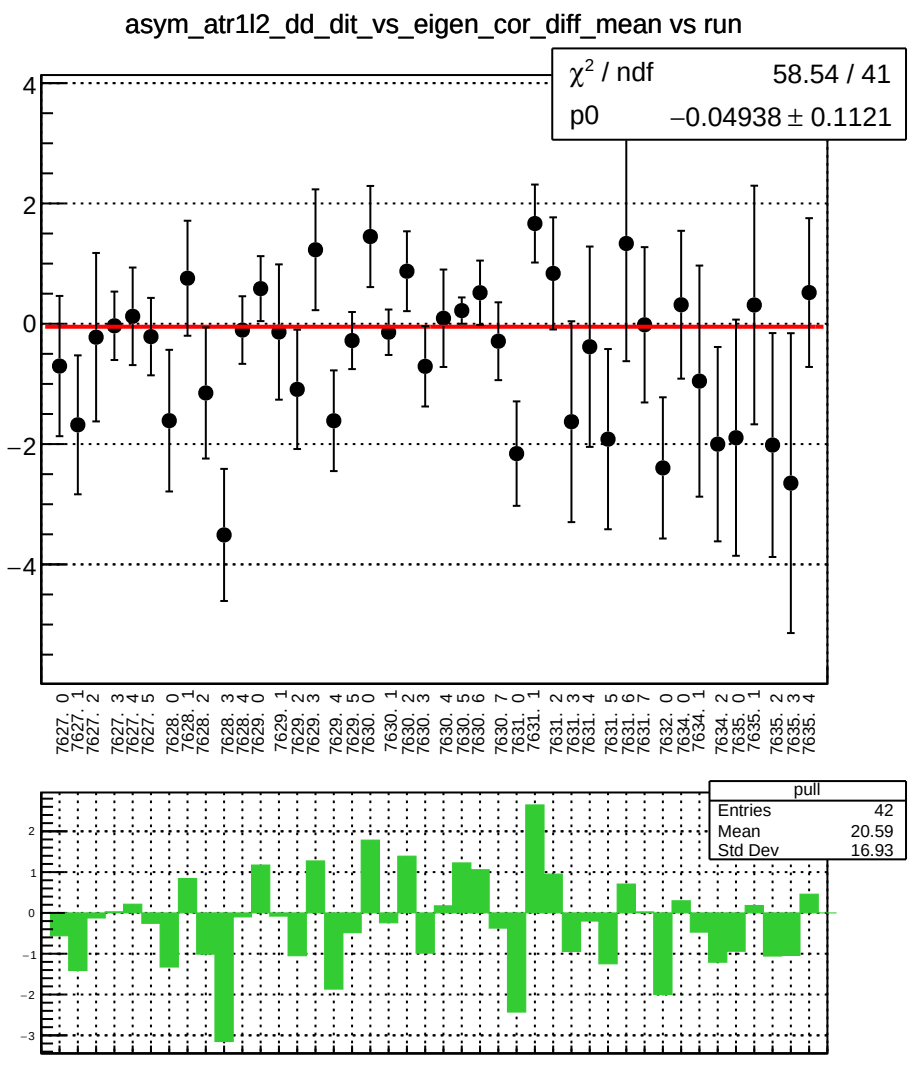

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 41.6 / 41
p0 −5.937e−12 ± 3.002e−12
0.01
0
−0.01
−0.02
−0.03
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −26.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.06868
Std Dev 0.9928
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

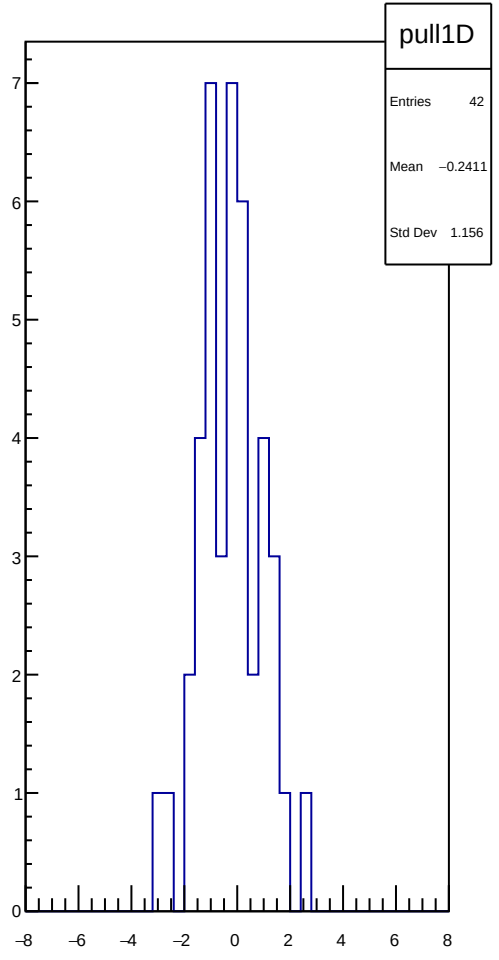

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.19e+05 / 41
p0 1.357e−09 ± 2.123e−12
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

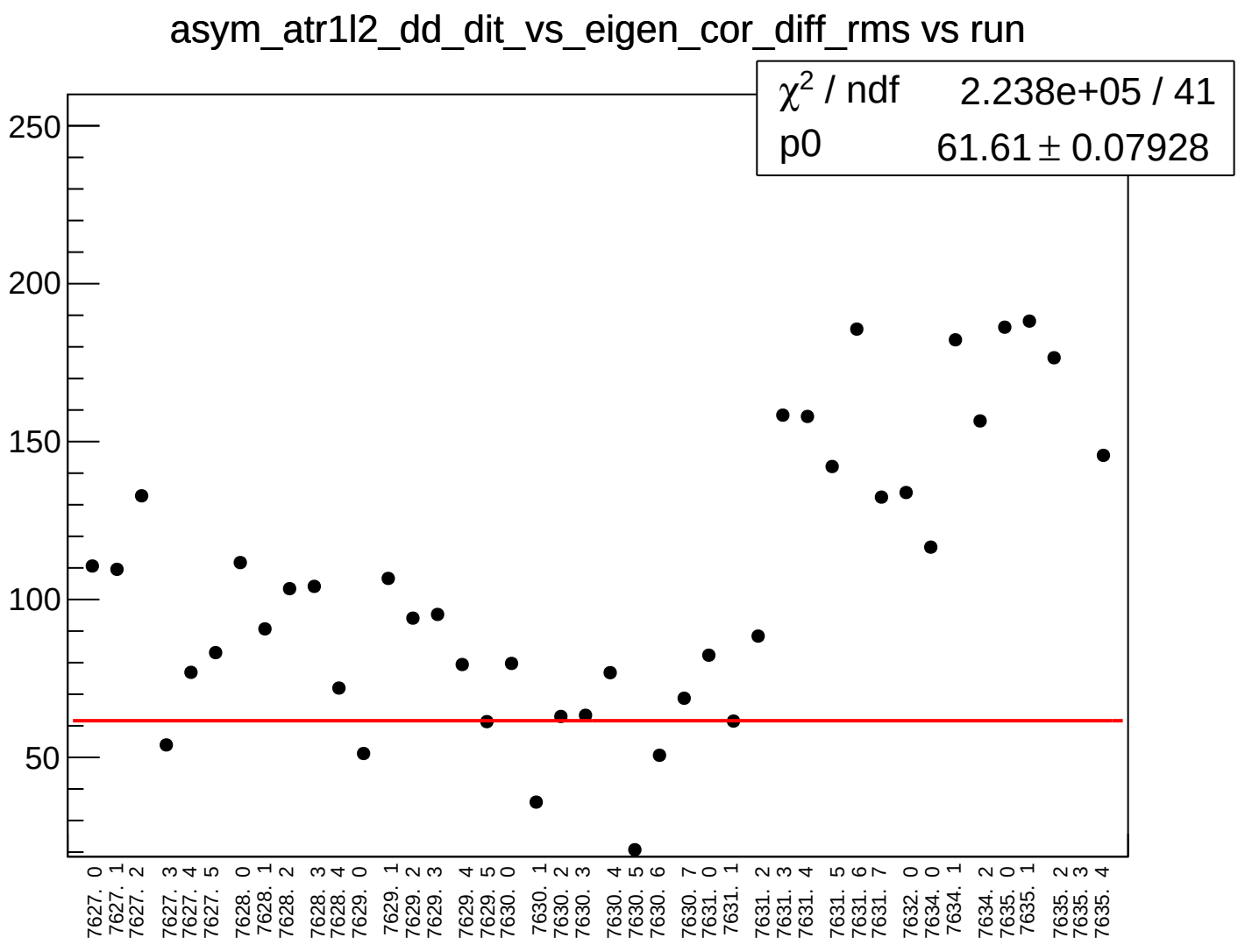

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.54 / 41
p0 −0.04938 ± 0.1121
pull
Entries 42
Mean 20.59
Std Dev 16.93

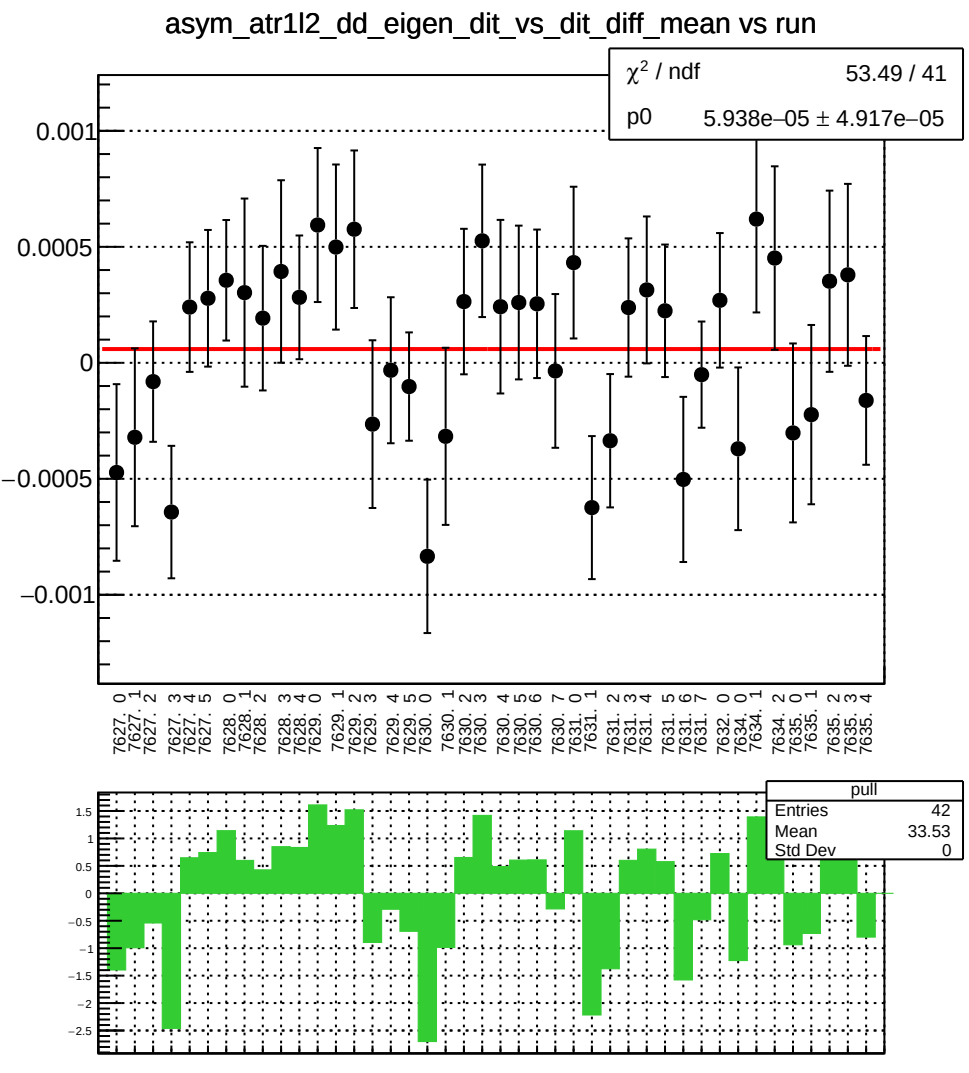

pull1D
Entries 42
Mean −0.2411
Std Dev 1.156

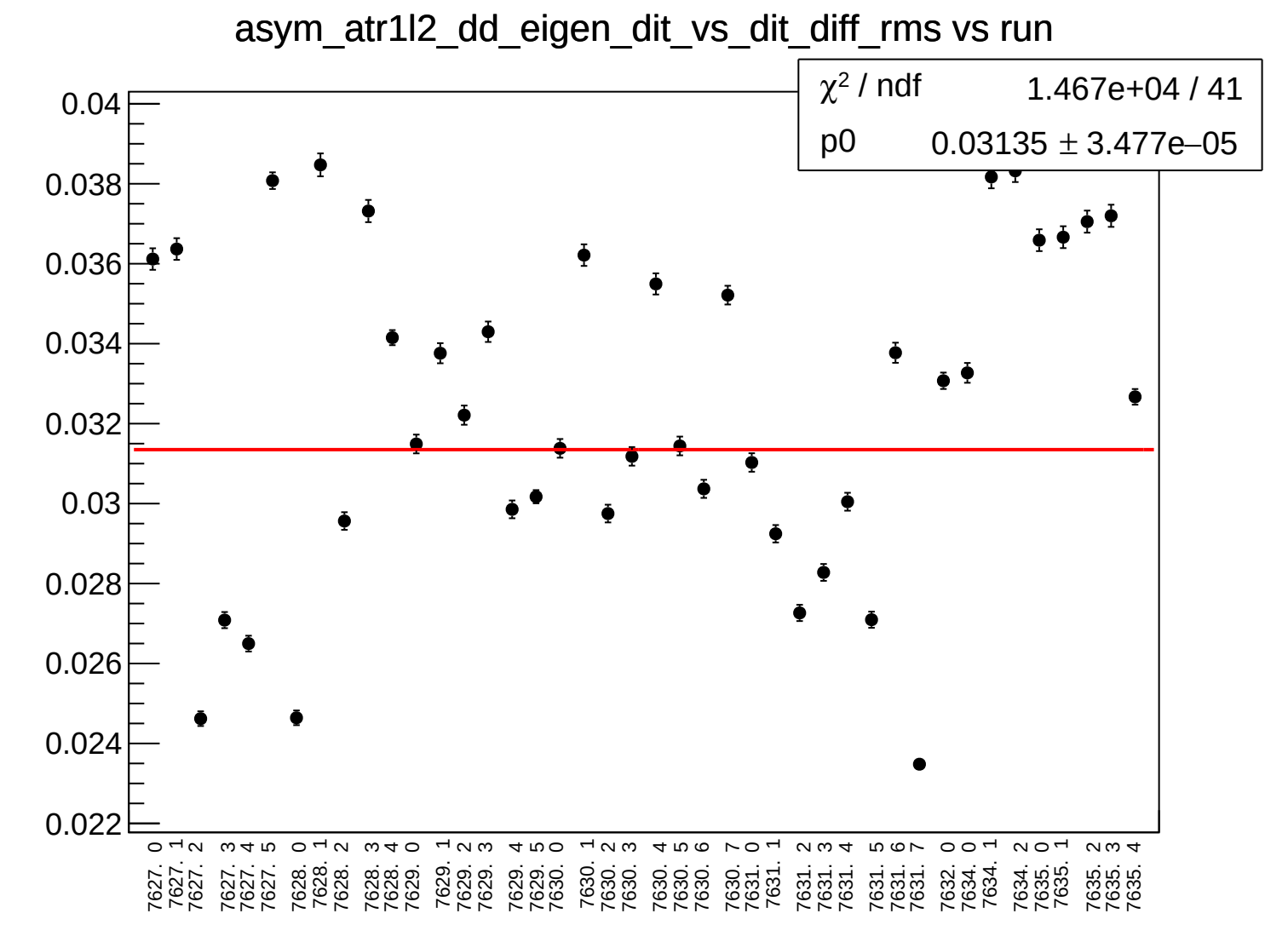

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.238e+05 / 41
p0 61.61 ± 0.07928
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

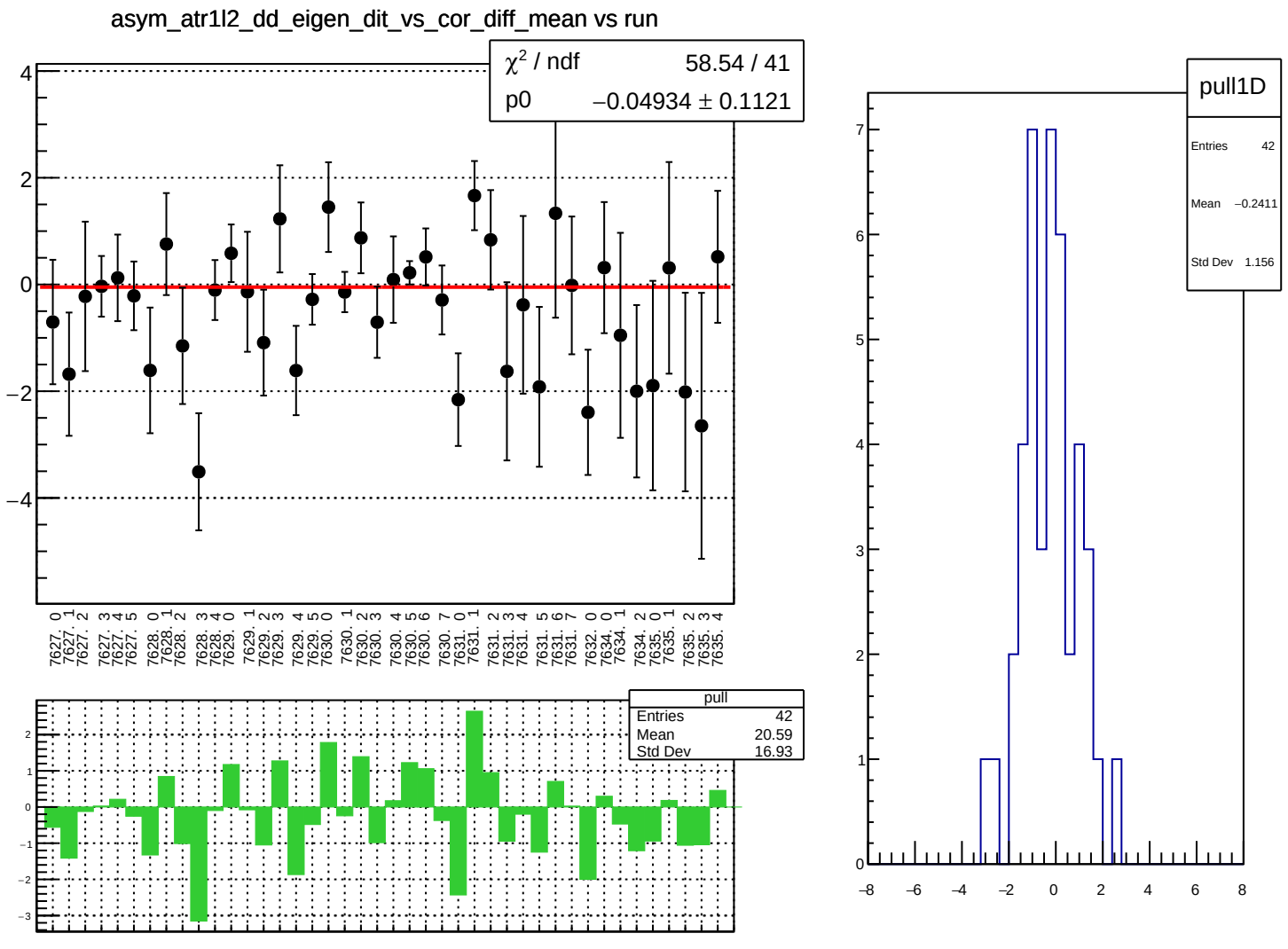

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.54 / 41
p0 −0.04938 ± 0.1121
pull
Entries 42
Mean 20.59
Std Dev 16.93

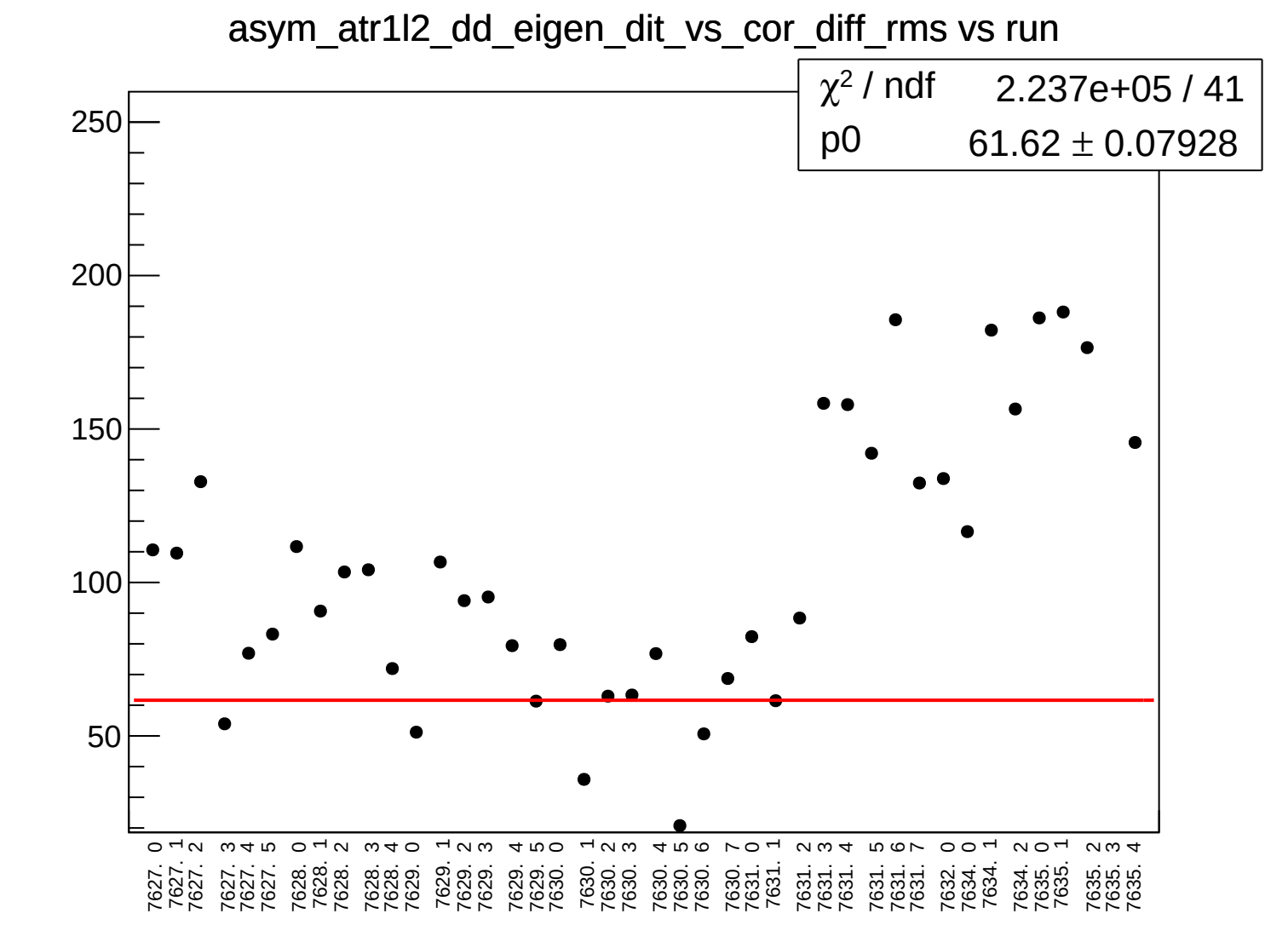

pull1D
Entries 42
Mean −0.2411
Std Dev 1.156


asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.238e+05 / 41
p0 61.61 ± 0.07928
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

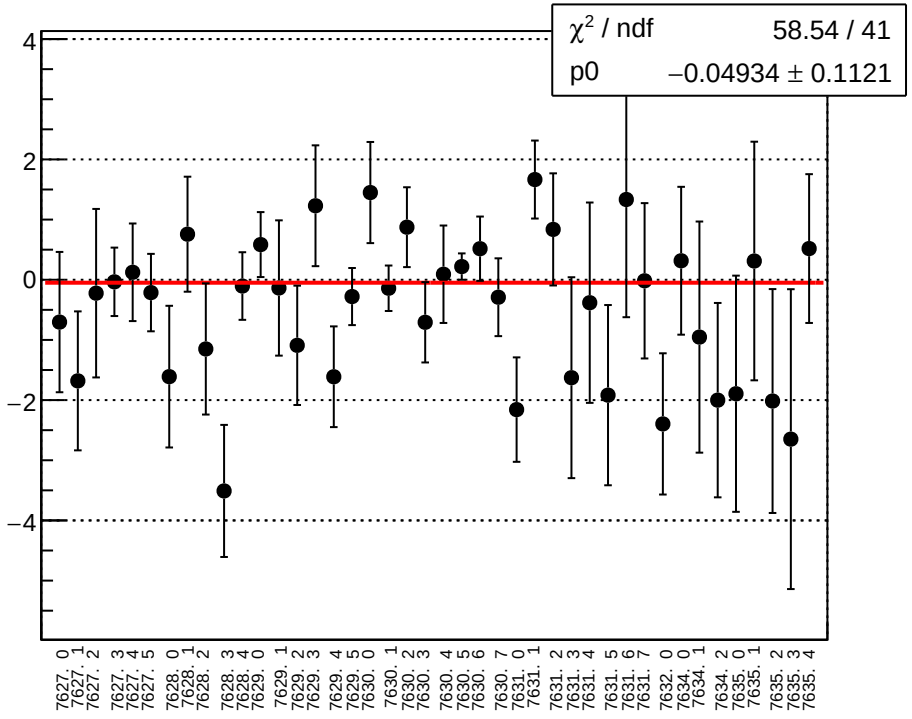

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.49 / 41
p0 5.938e−05 ± 4.917e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.0142
Std Dev 1.128
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

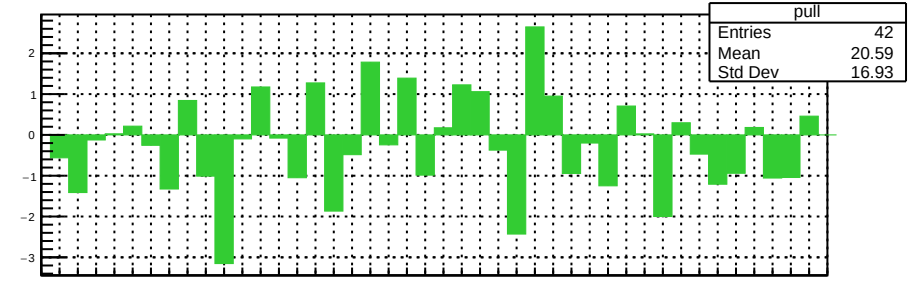

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.467e+04 / 41
p0 0.03135 ± 3.477e–05
0.04
0.038
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

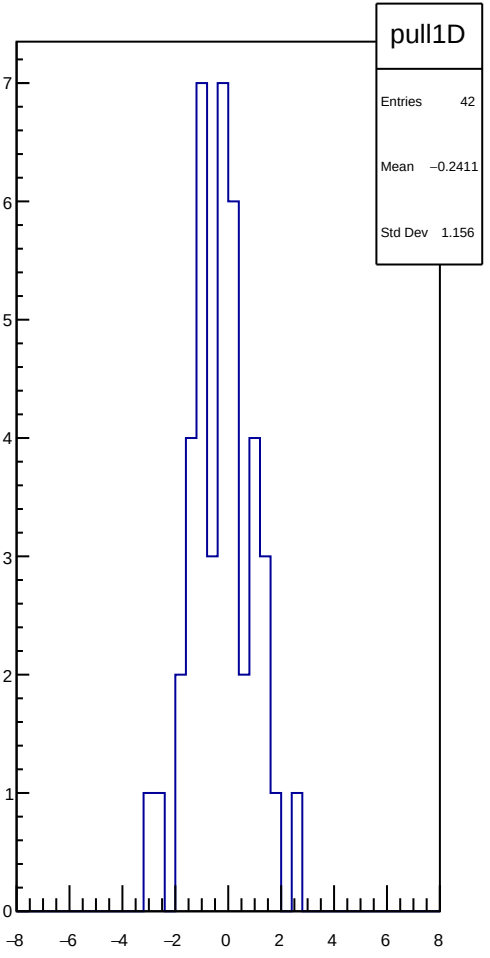

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.54 / 41
p0 −0.04934 ± 0.1121
pull
Entries 42
Mean 20.59
Std Dev 16.93
pull1D
Entries 42
Mean −0.2411
Std Dev 1.156

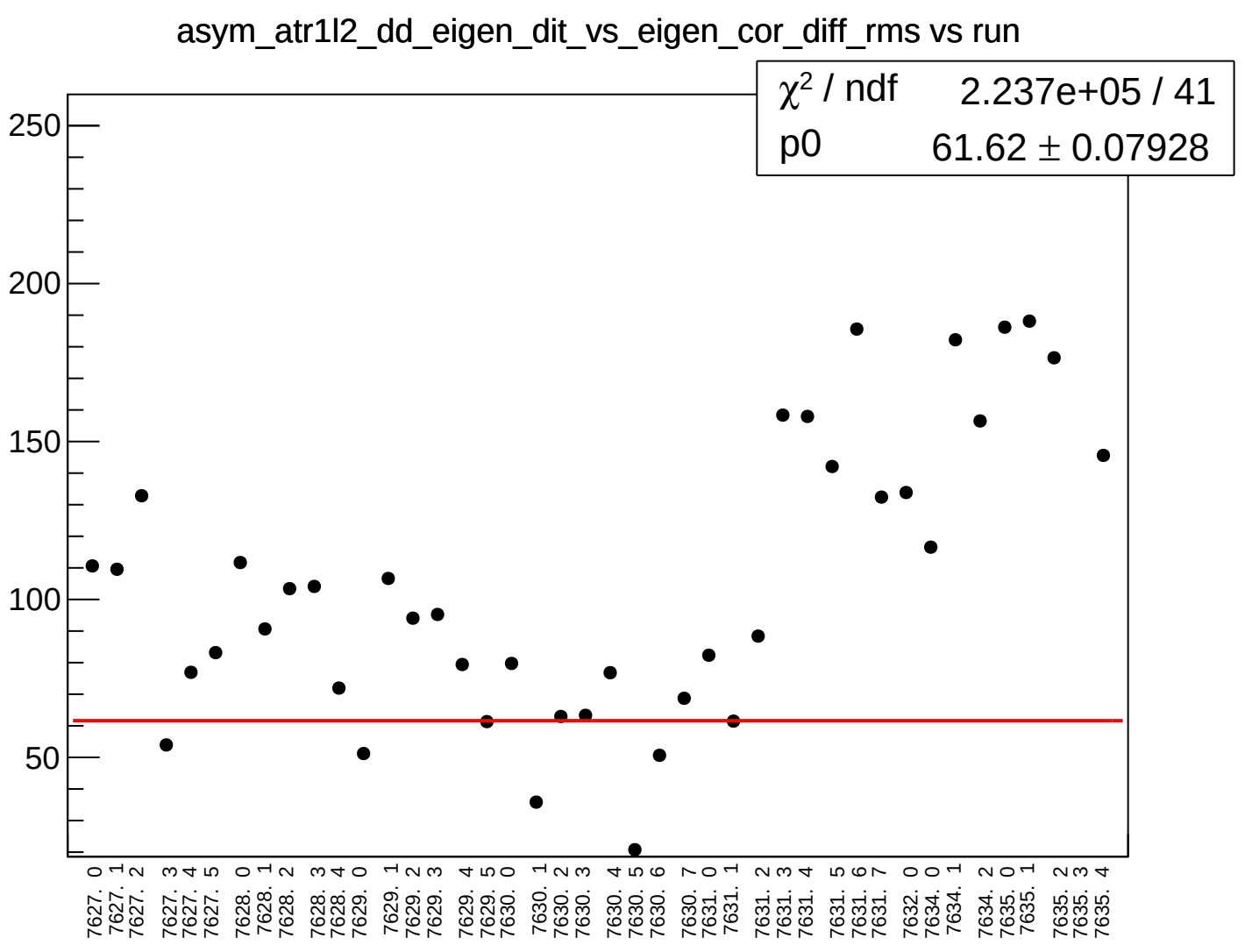

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.237e+05 / 41
p0 61.62 ± 0.07928
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

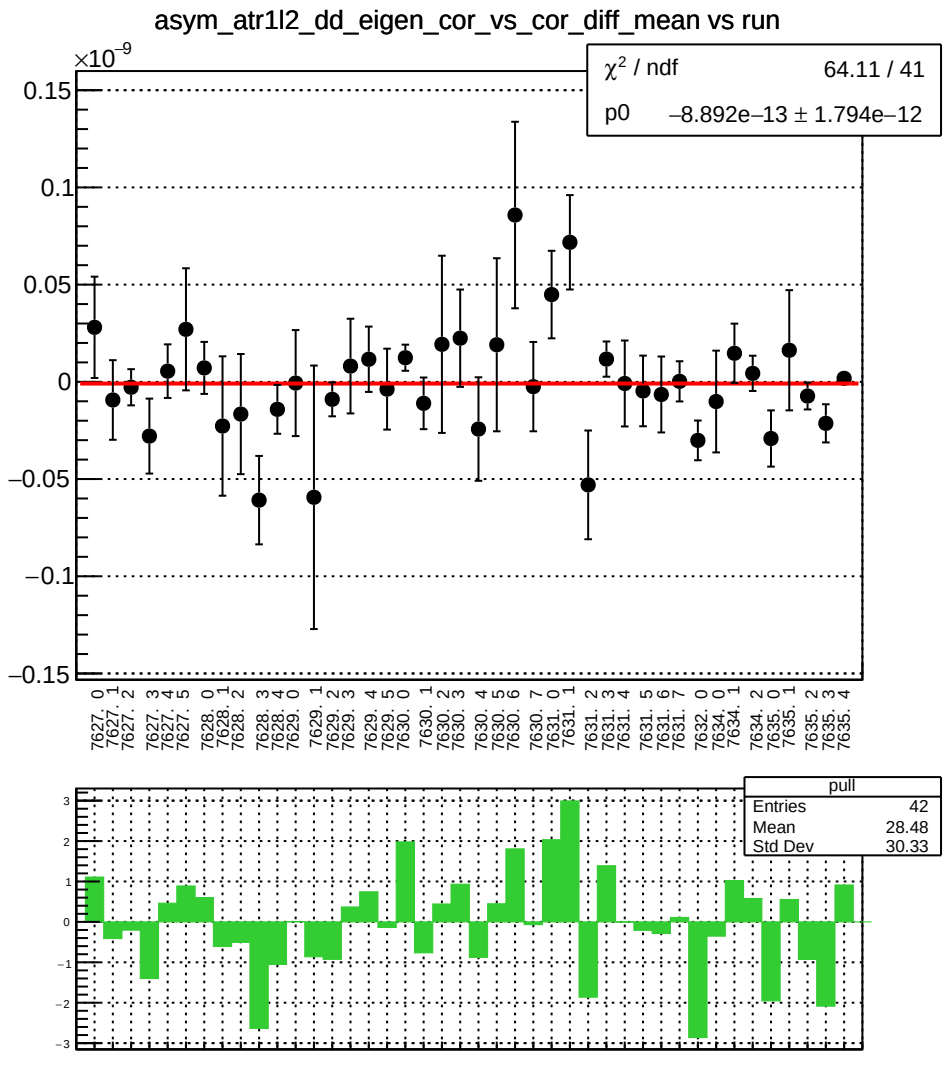
asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

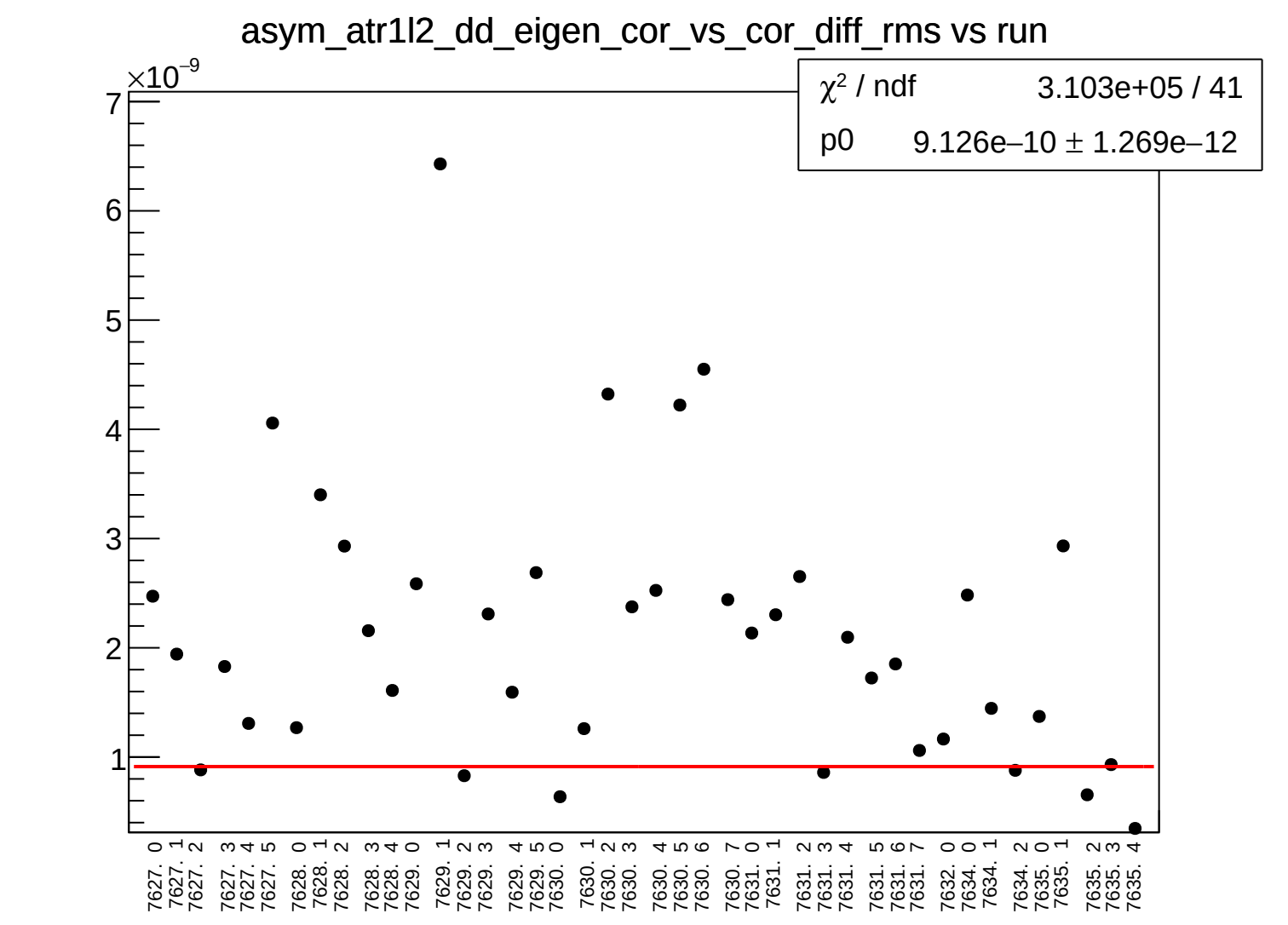


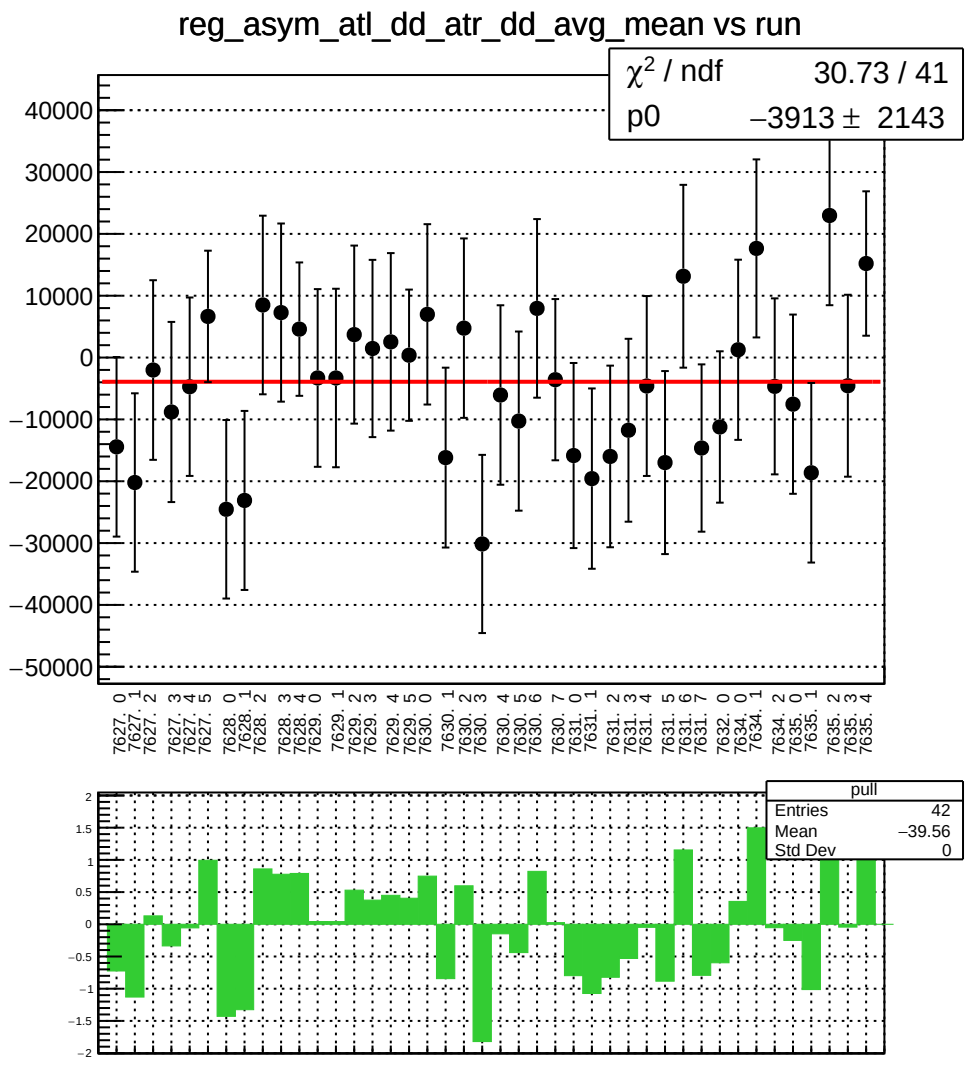


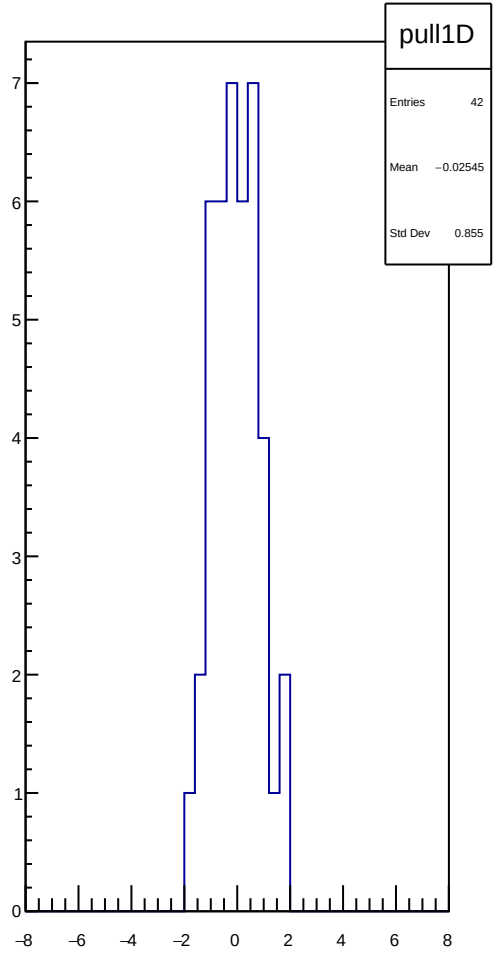


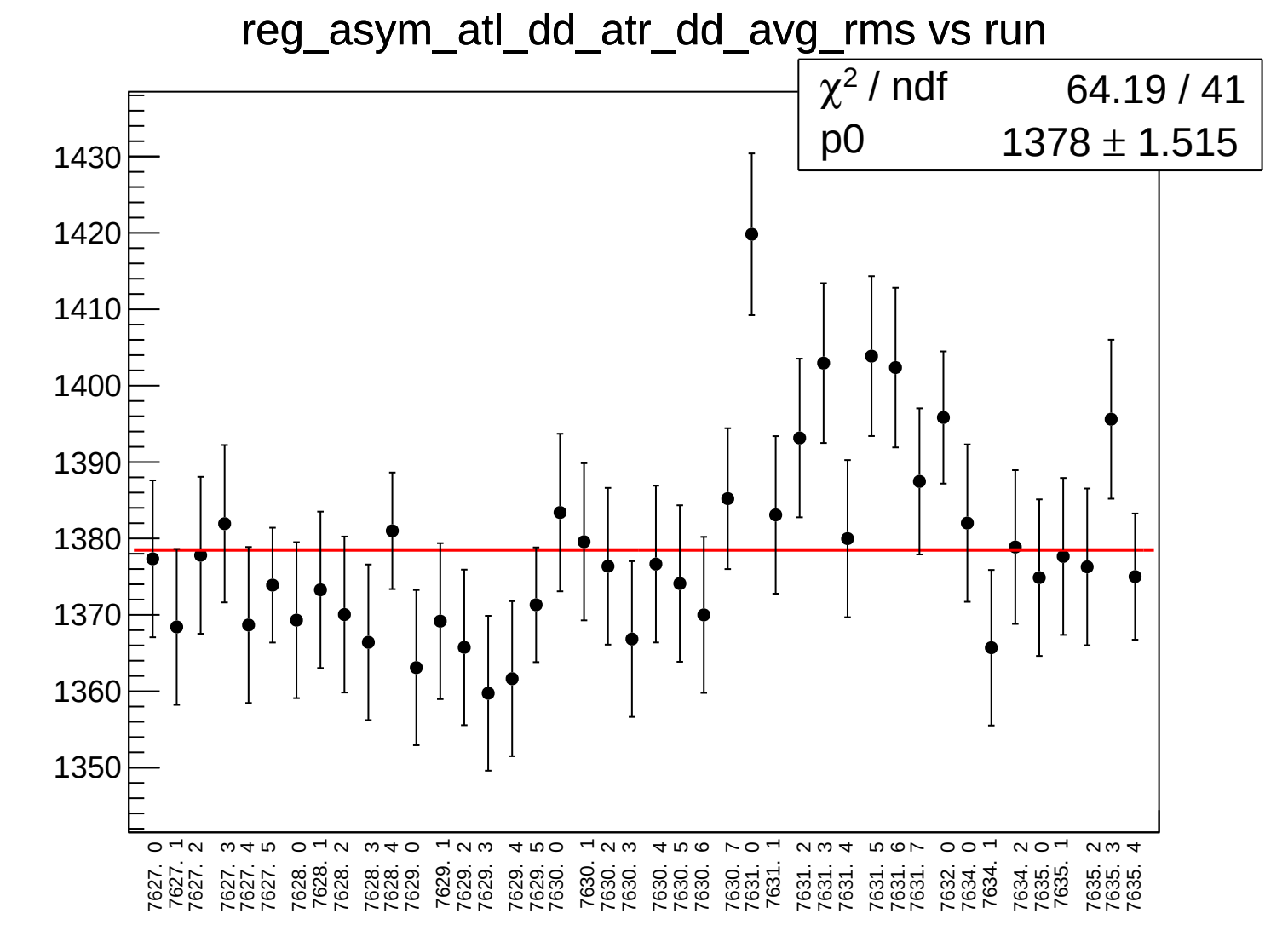

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.237e+05 / 41
p0 61.62 ± 0.07928
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

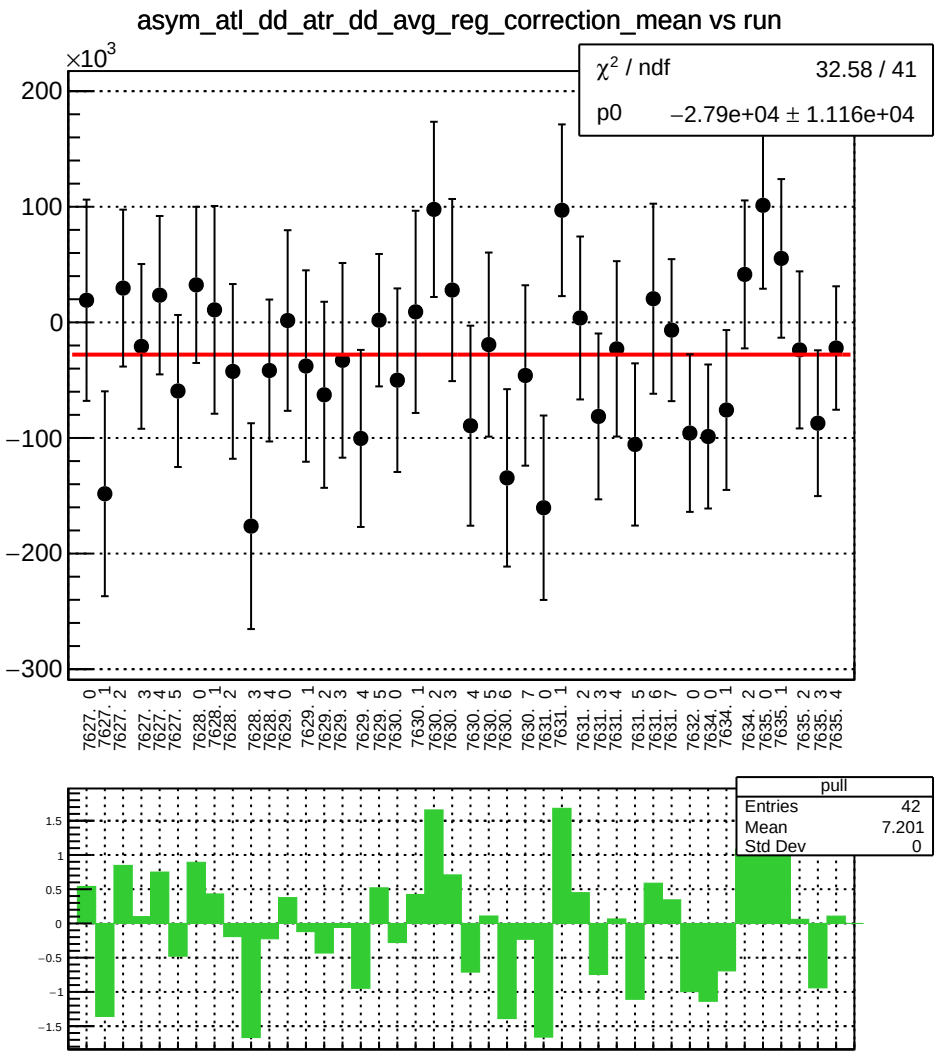

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 64.11 / 41
p0 −8.892e−13 ± 1.794e−12
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 28.48
Std Dev 30.33
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.03846
Std Dev 1.235
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

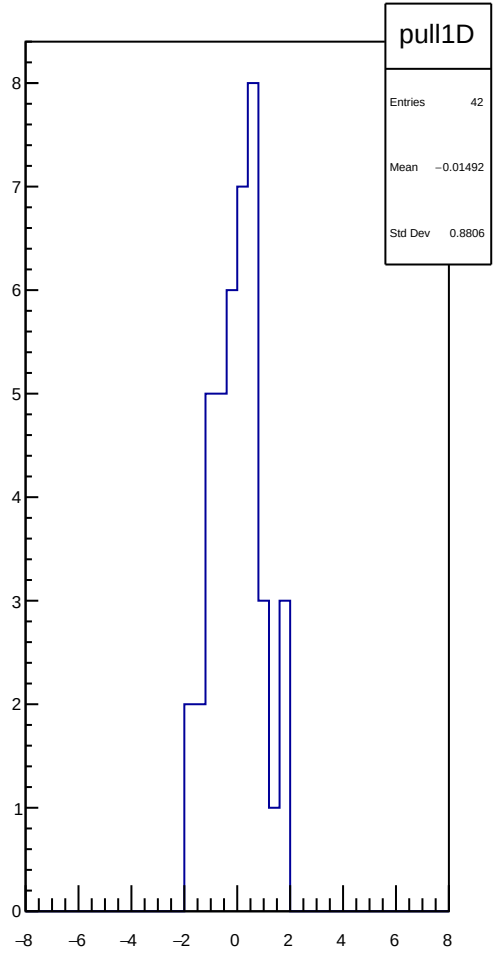

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.103e+05 / 41
p0 9.126e−10 ± 1.269e−12
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

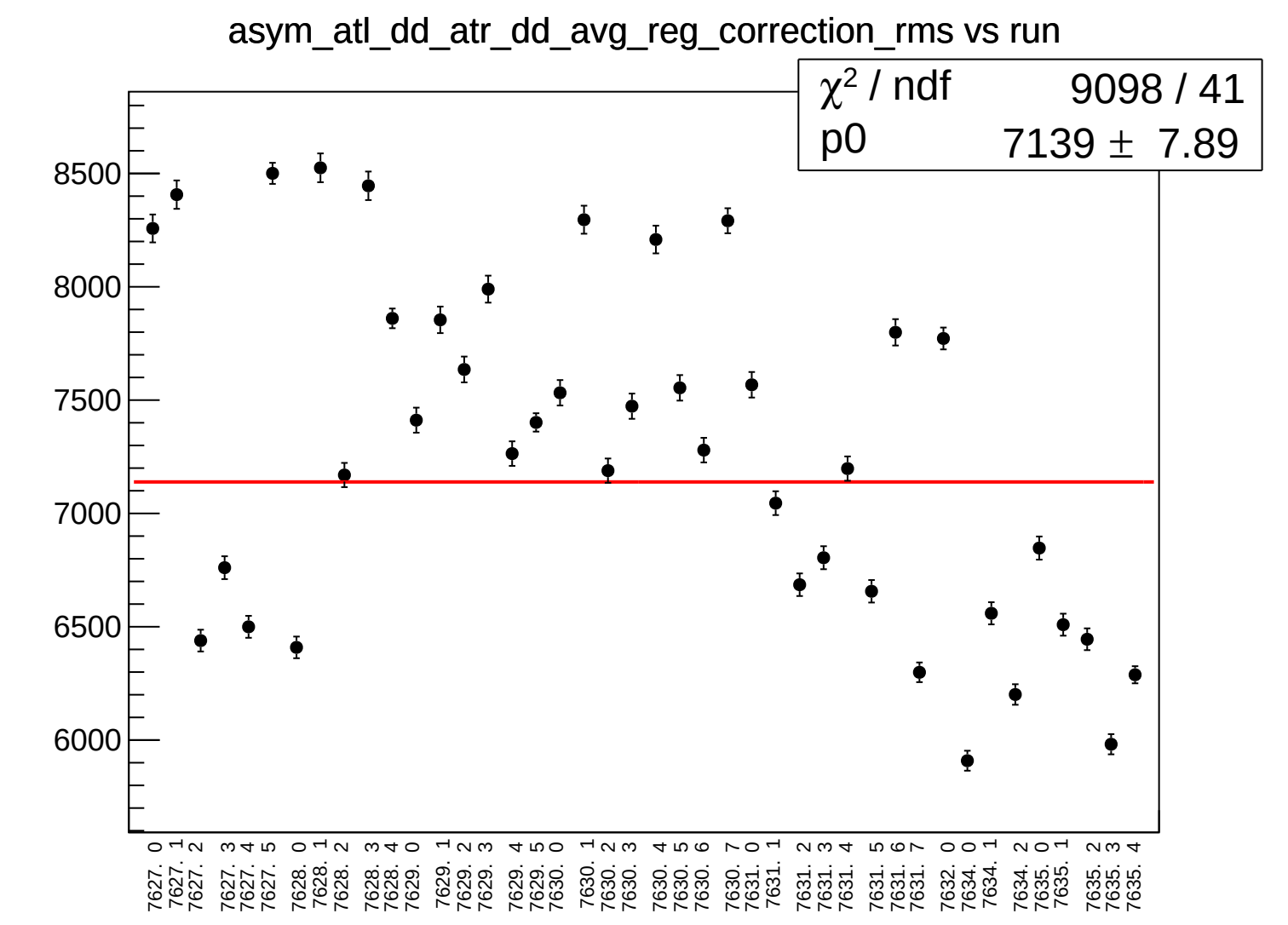

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
pull
Entries 42
Mean −39.56
Std Dev 0

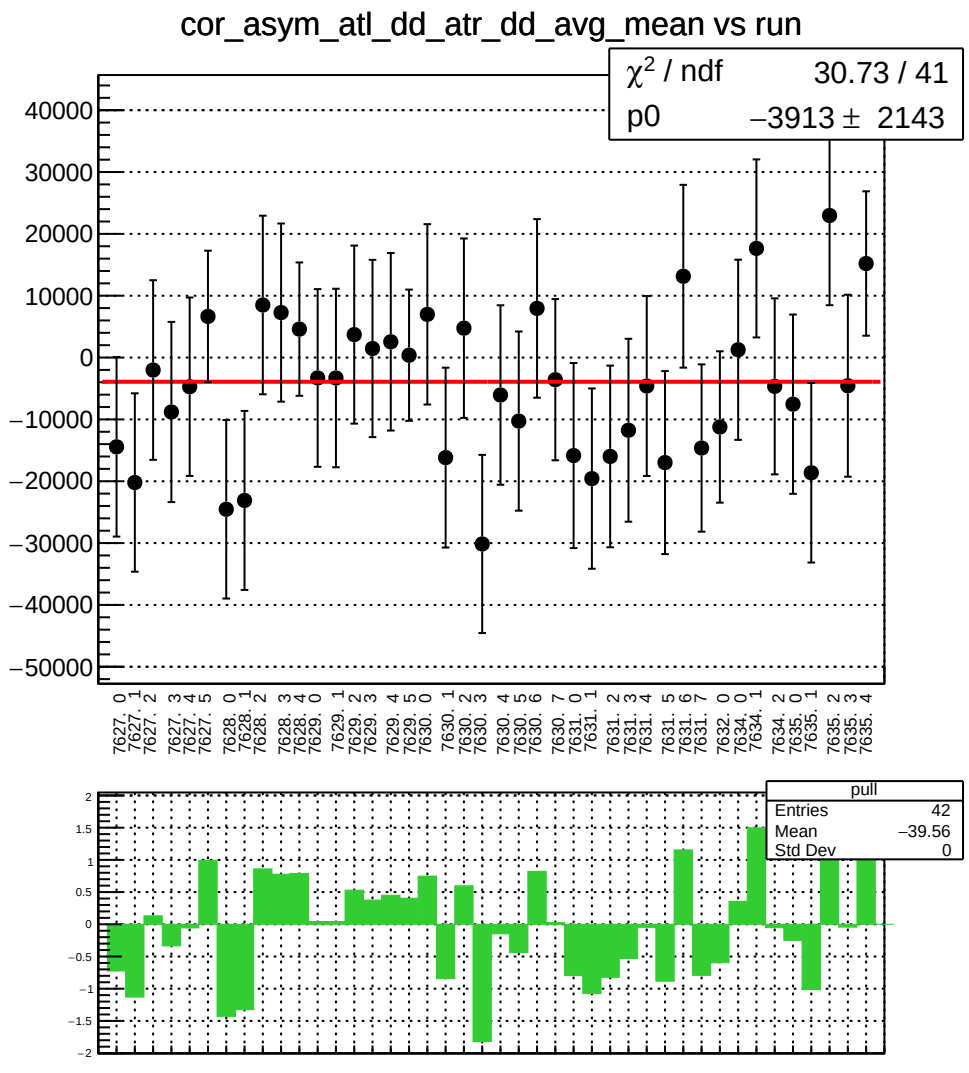

pull1D
Entries 42
Mean −0.02545
Std Dev 0.855

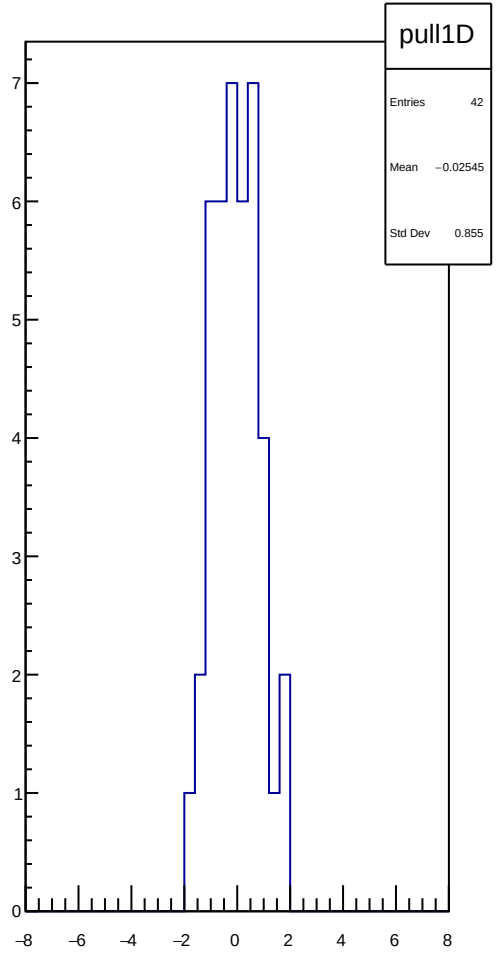

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

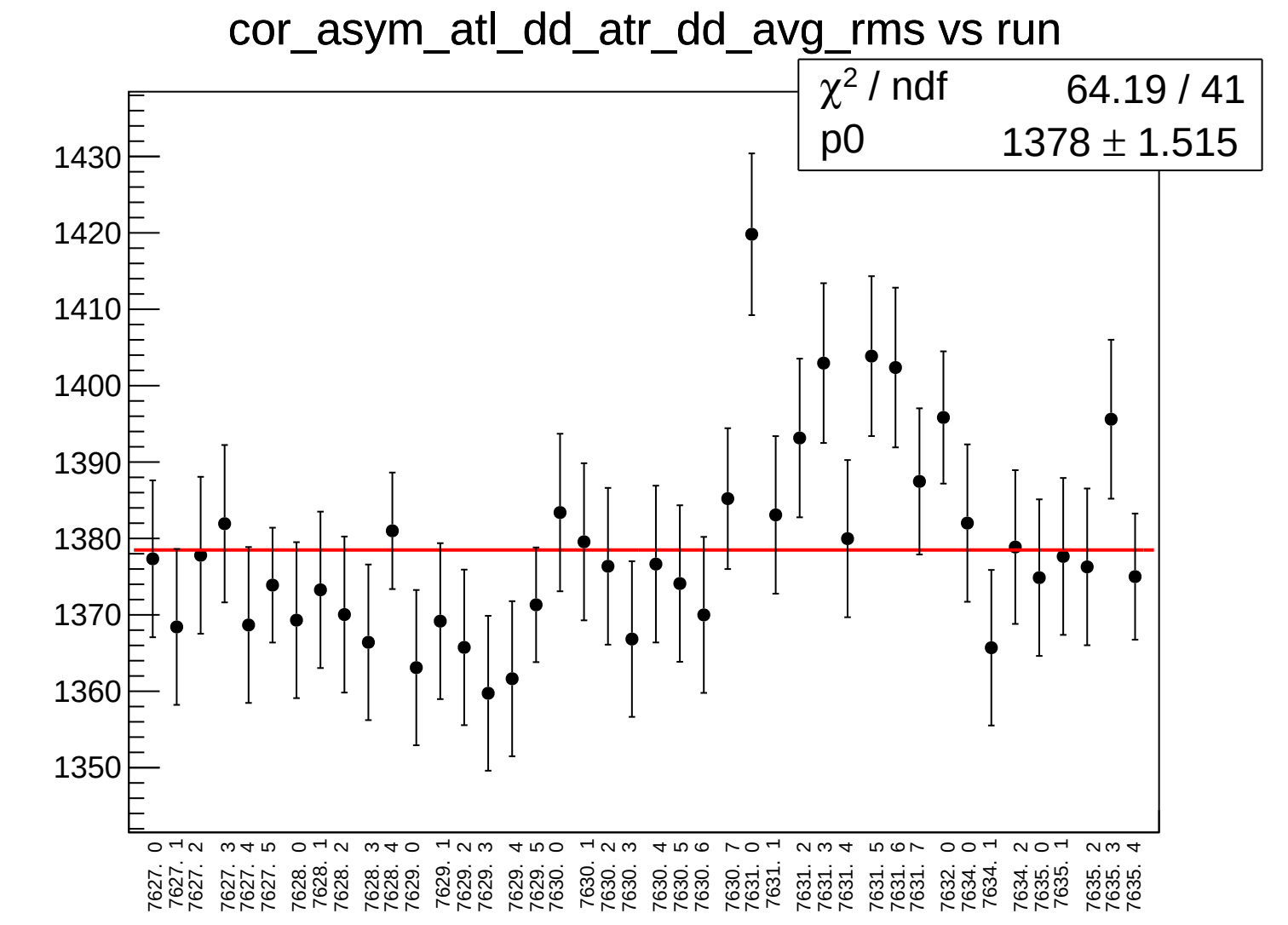

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −2.79e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.201
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

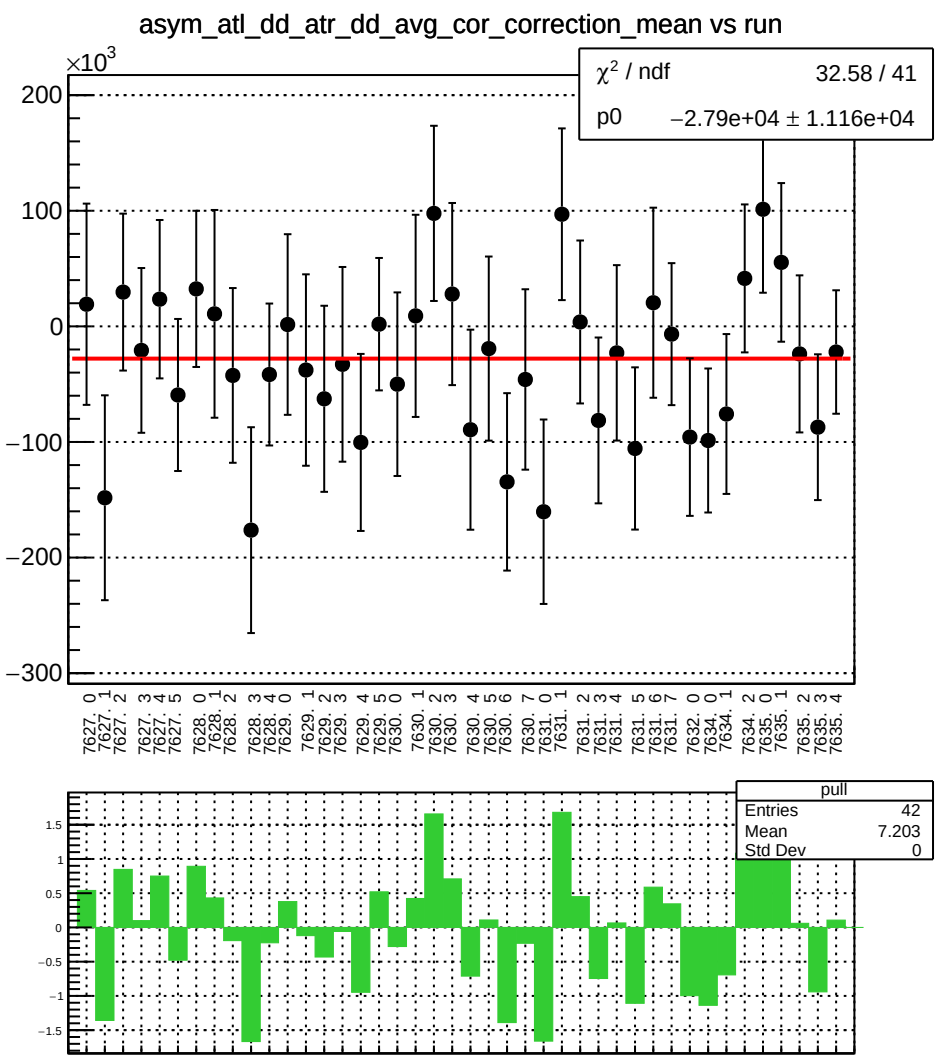

pull1D
Entries 42
Mean −0.01492
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

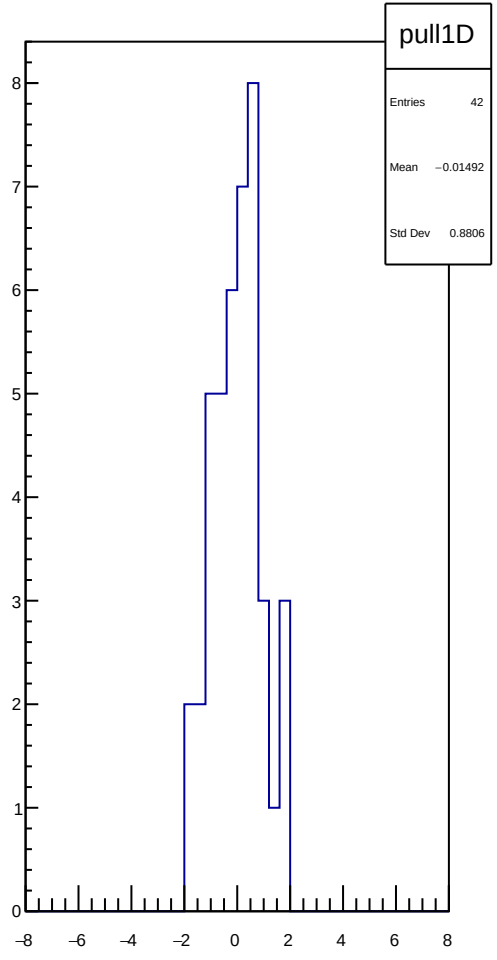

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

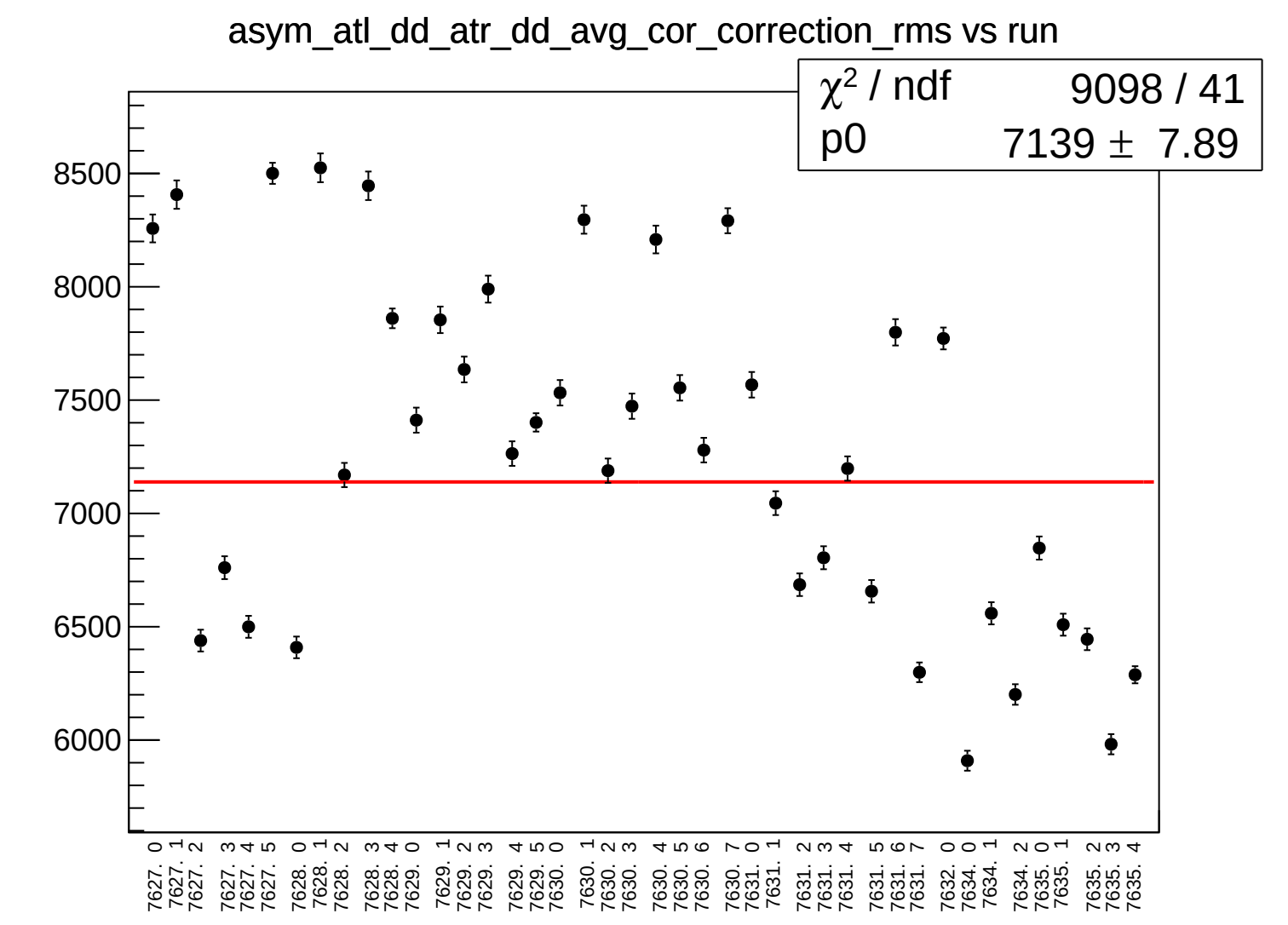

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
pull
Entries 42
Mean −39.56
Std Dev 0

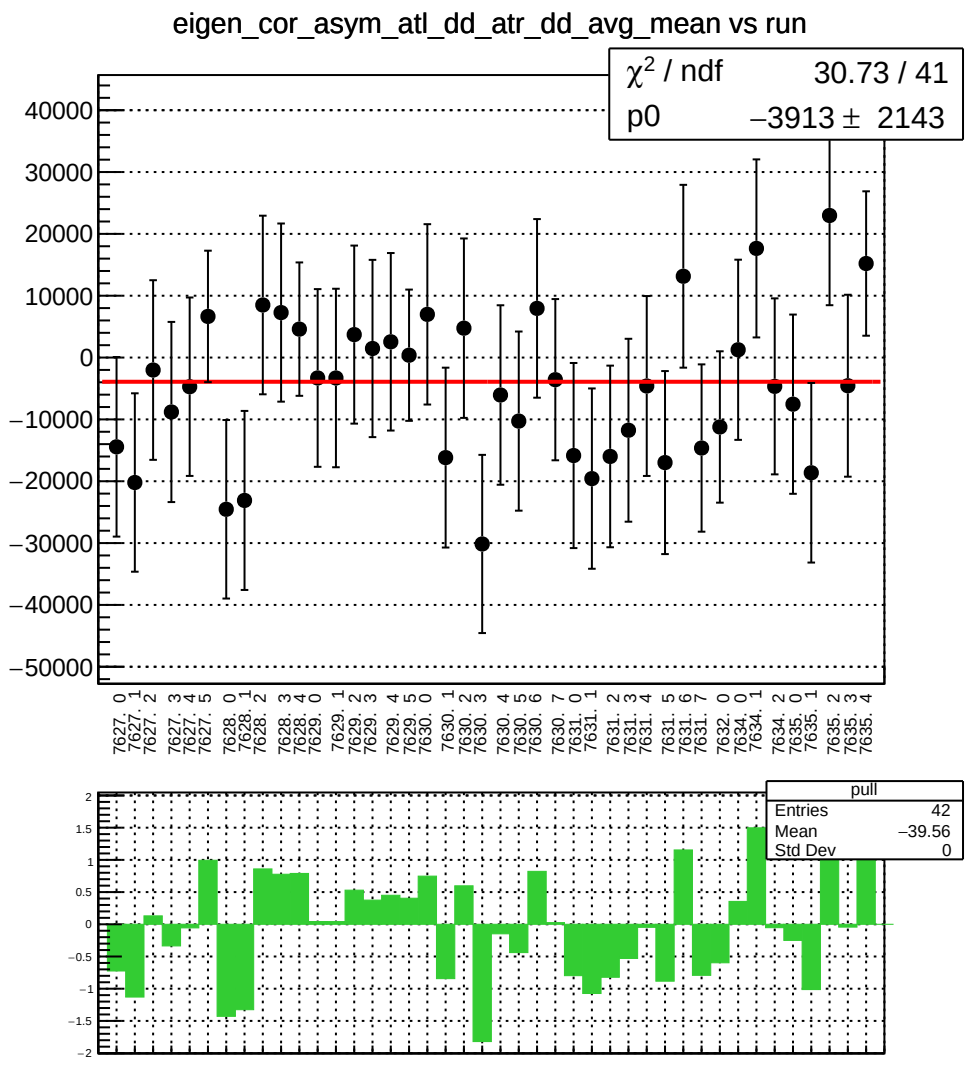

pull1D
Entries 42
Mean −0.02545
Std Dev 0.855

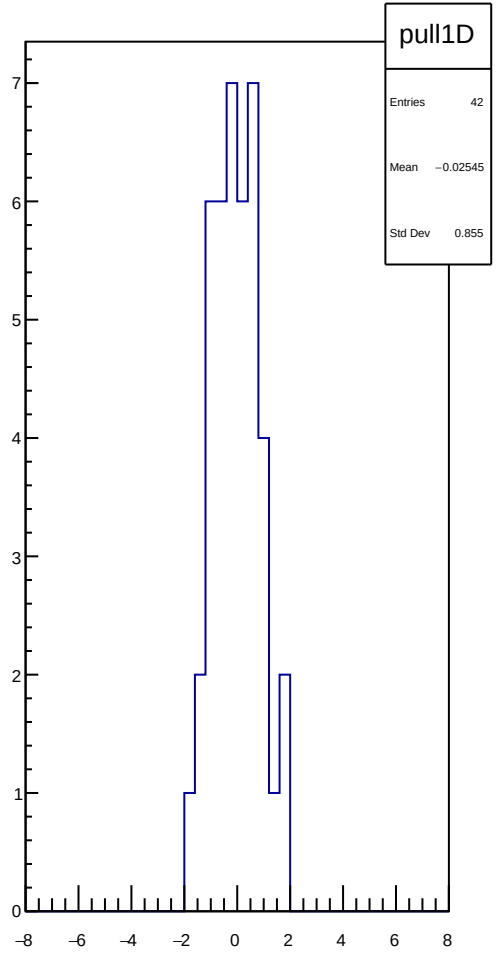

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

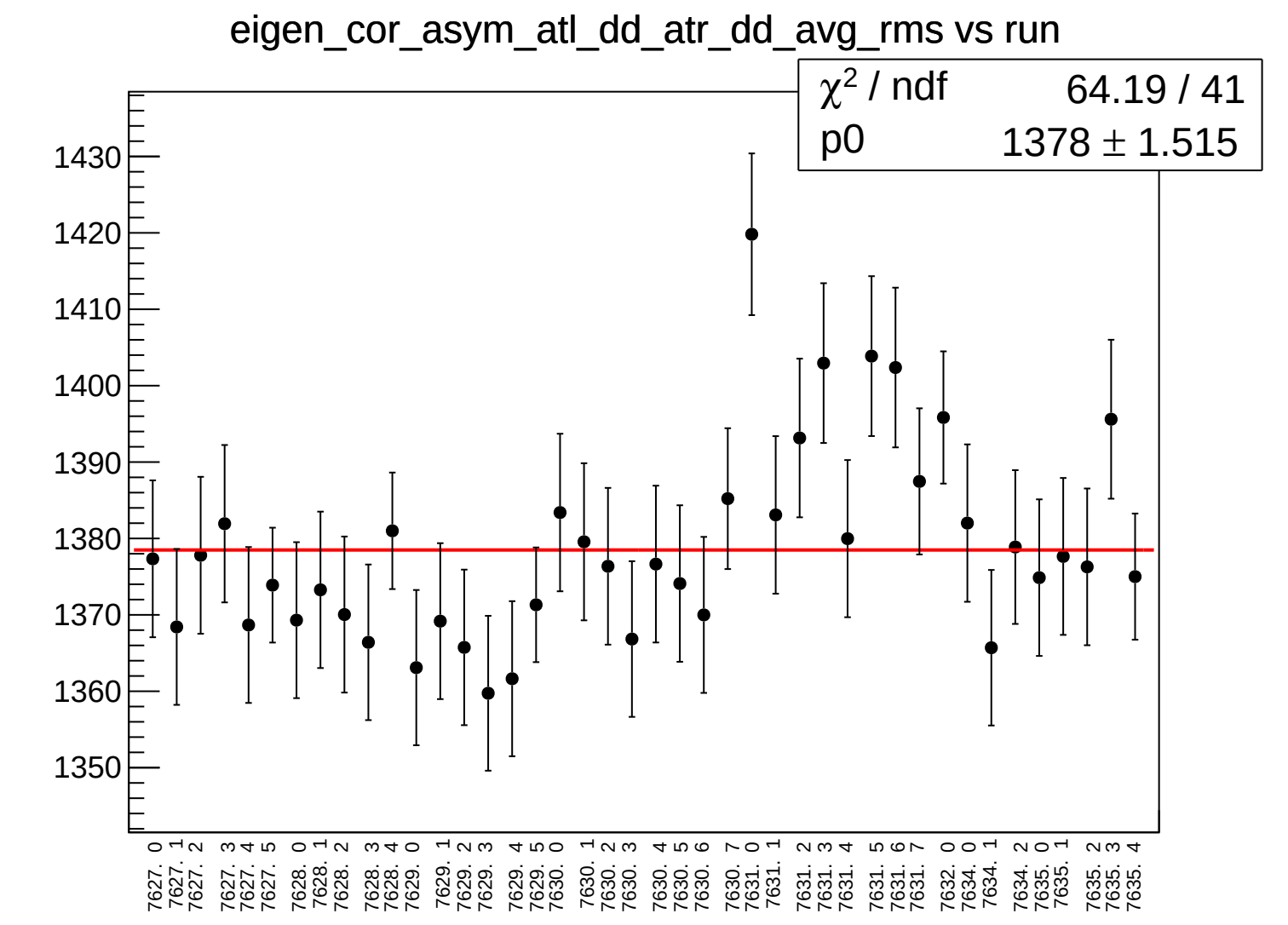

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −2.79e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01492
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

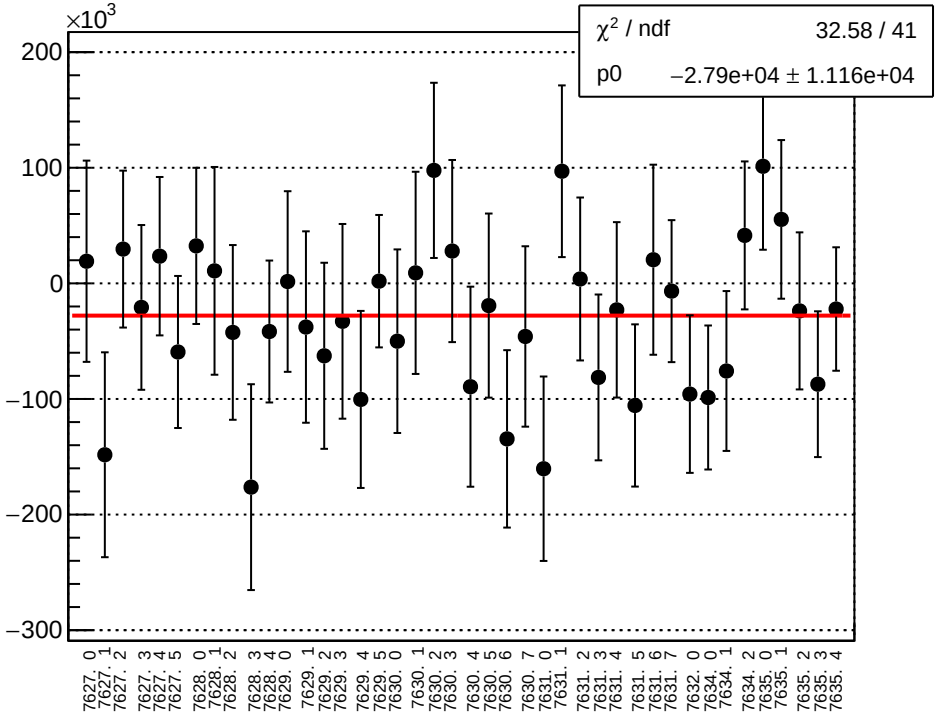

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

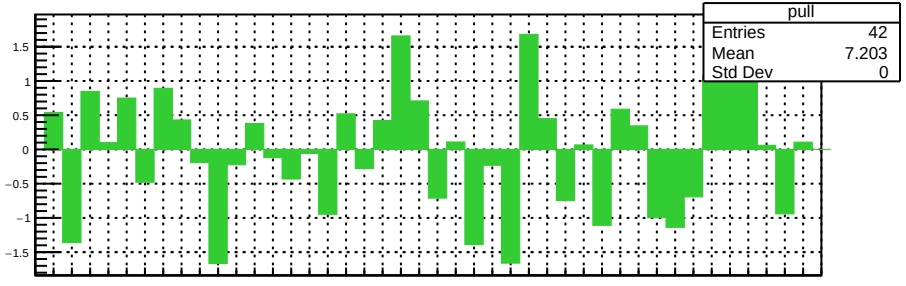

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
pull
Entries 42
Mean −39.56
Std Dev 0

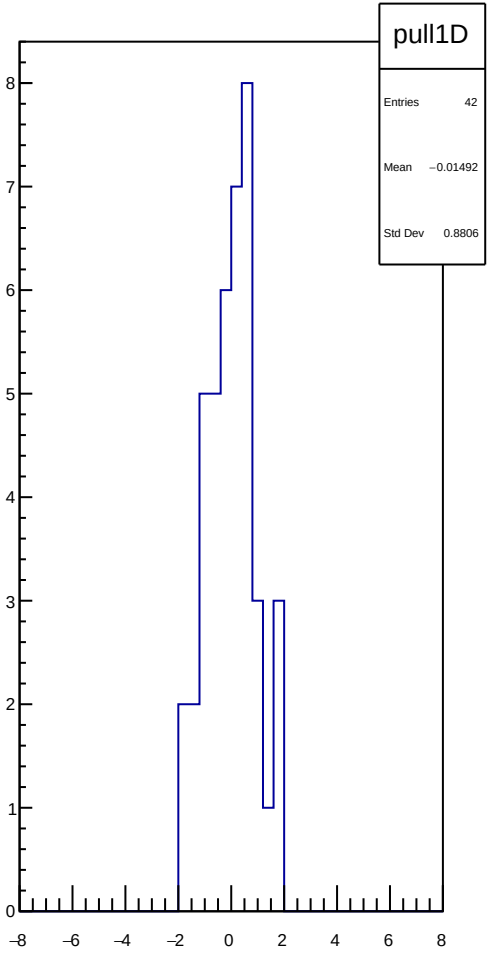

pull1D
Entries 42
Mean −0.02545
Std Dev 0.855

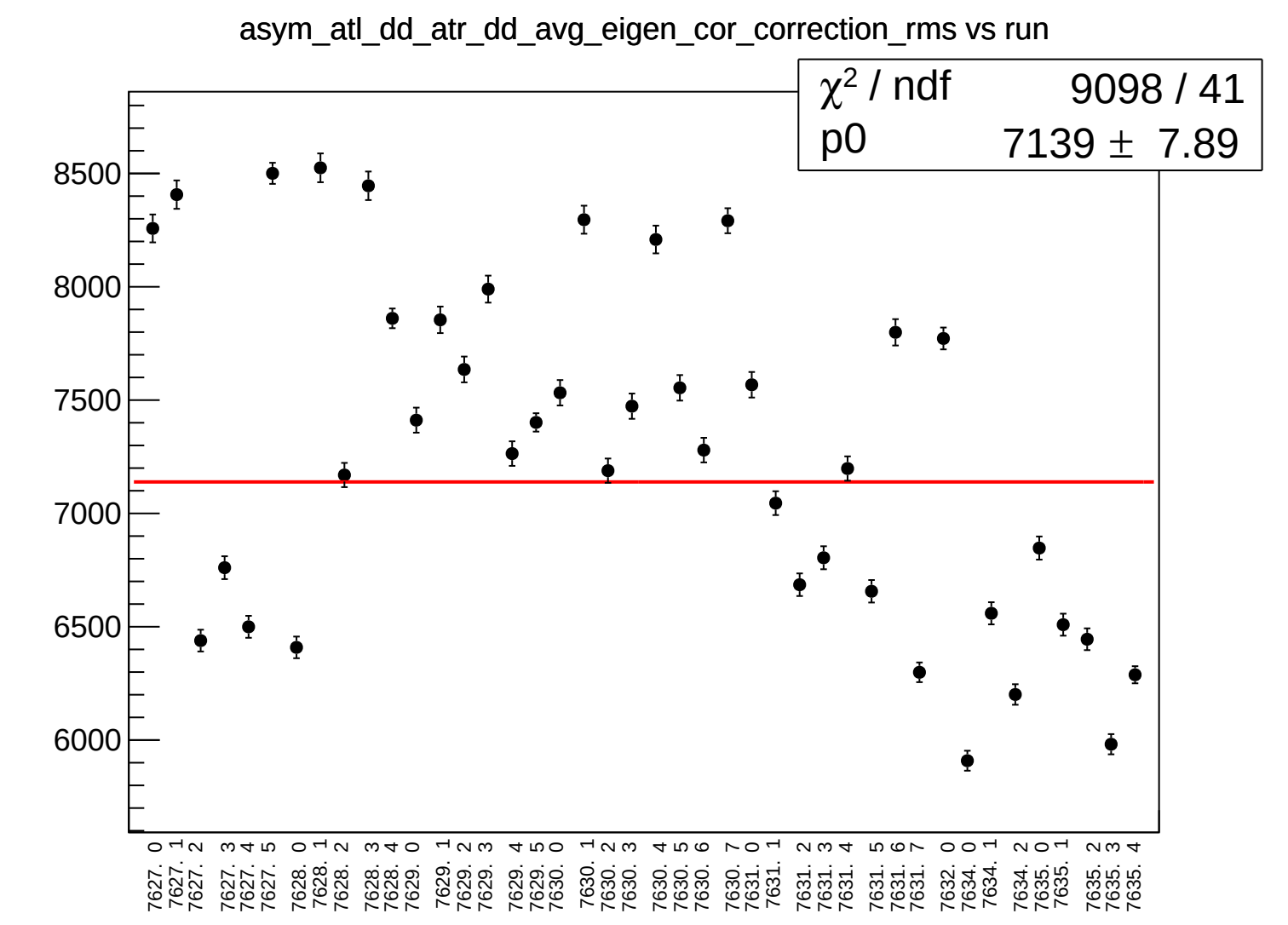

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

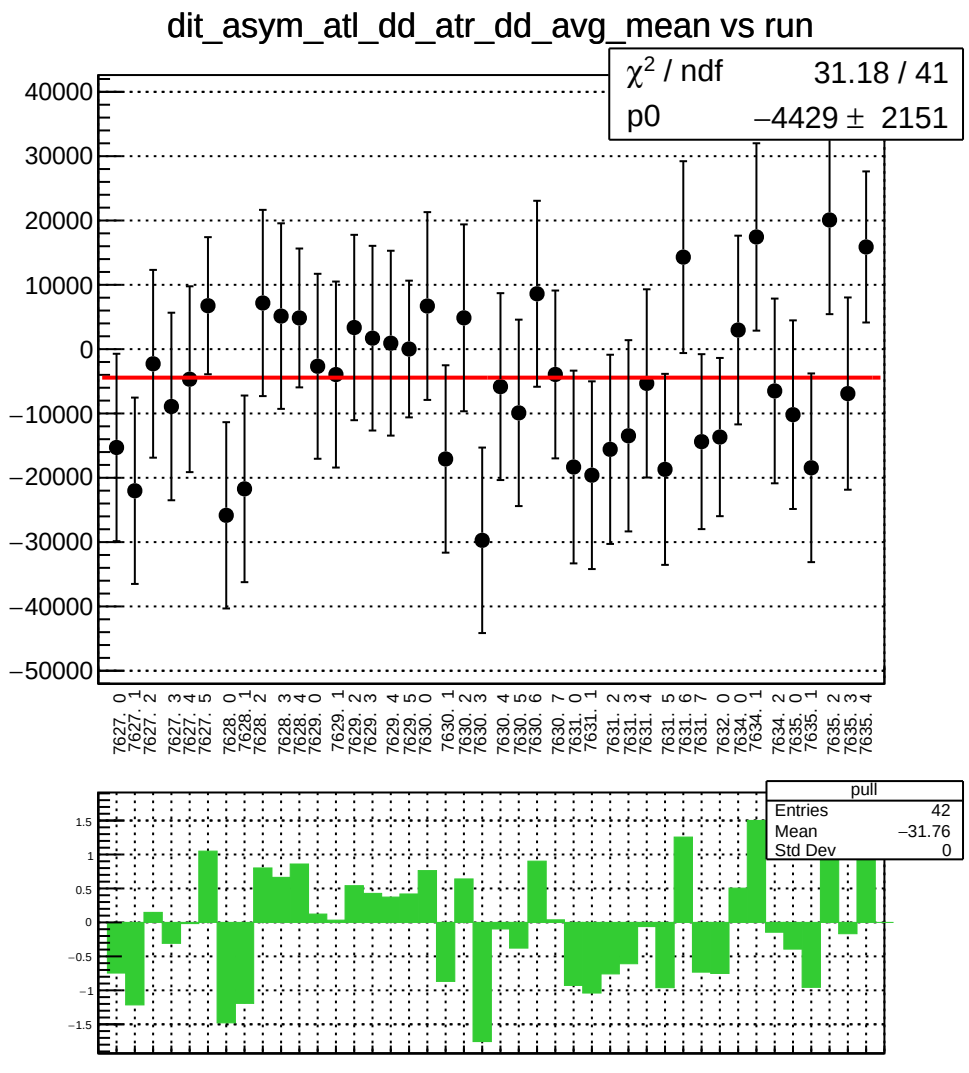
asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run

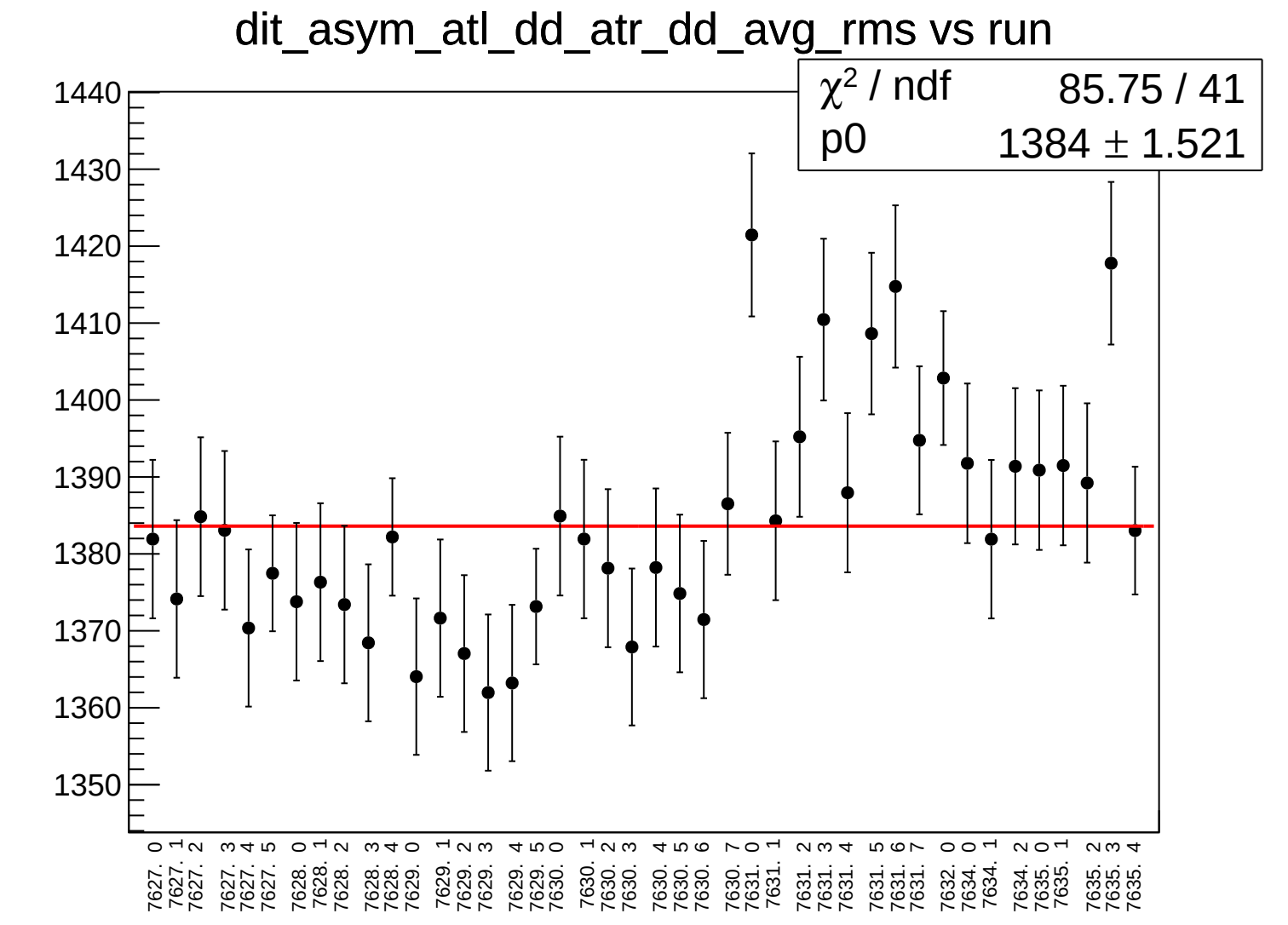




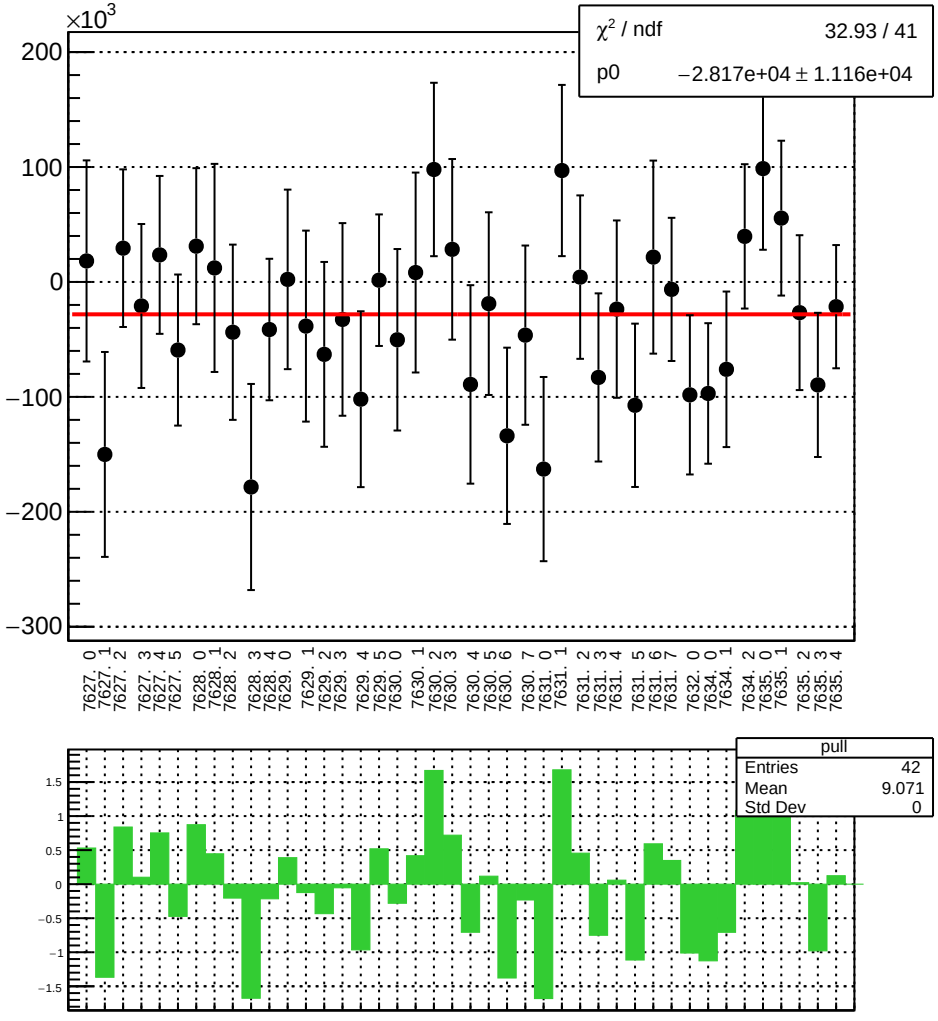


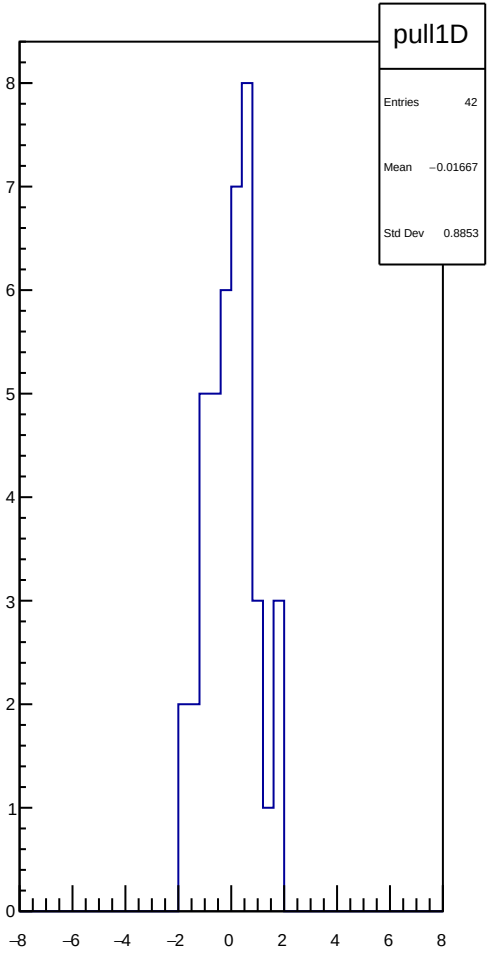

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

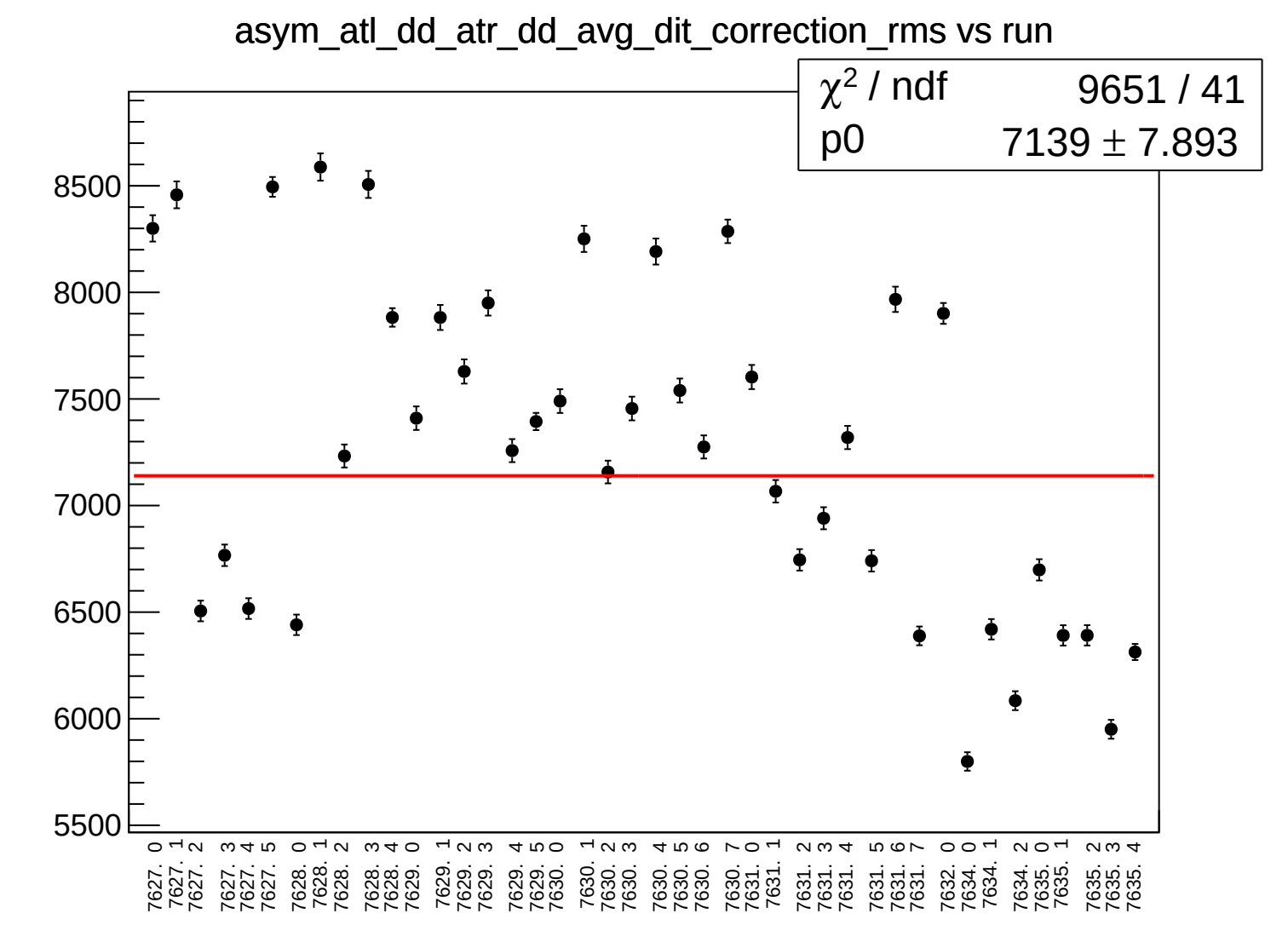

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 31.18 / 41
p0 −4429 ± 2151
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02625
Std Dev 0.8612
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

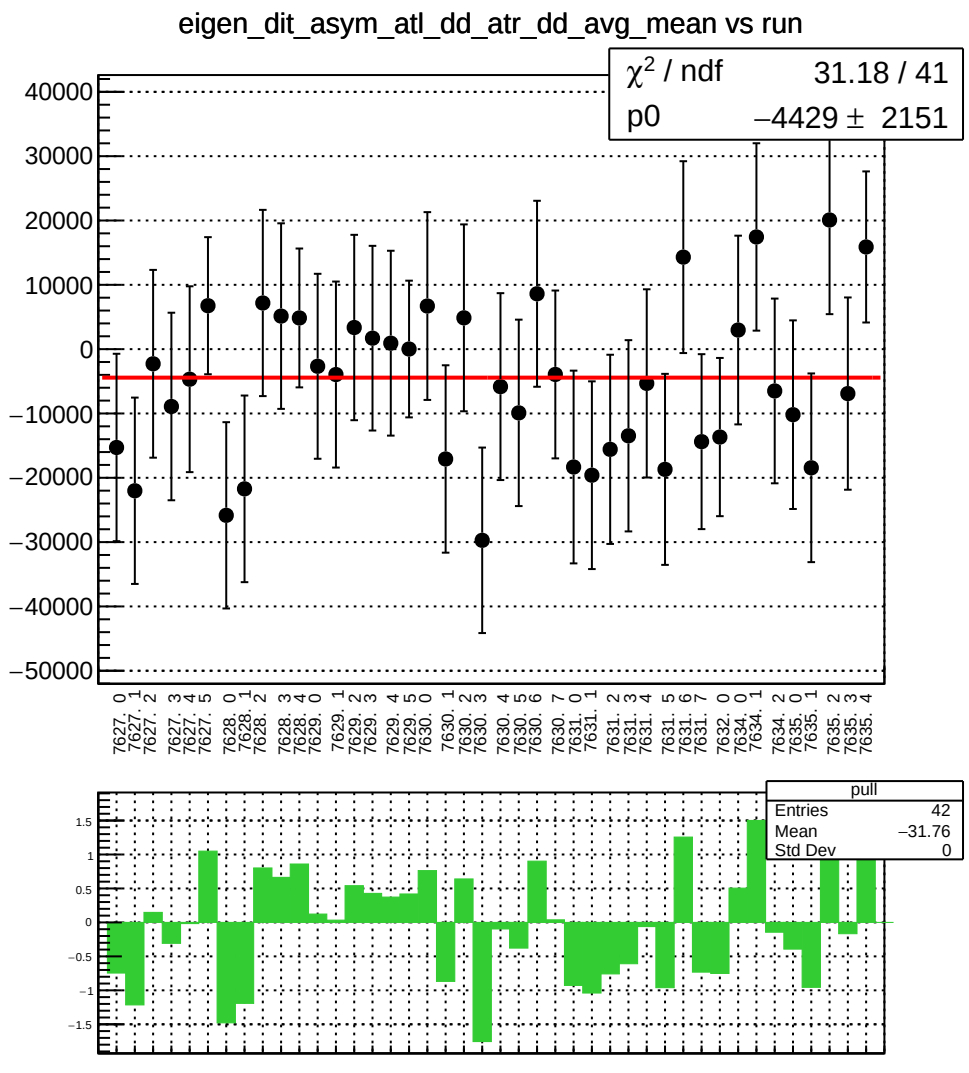

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 85.75 / 41
p0 1384 ± 1.521
1440
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

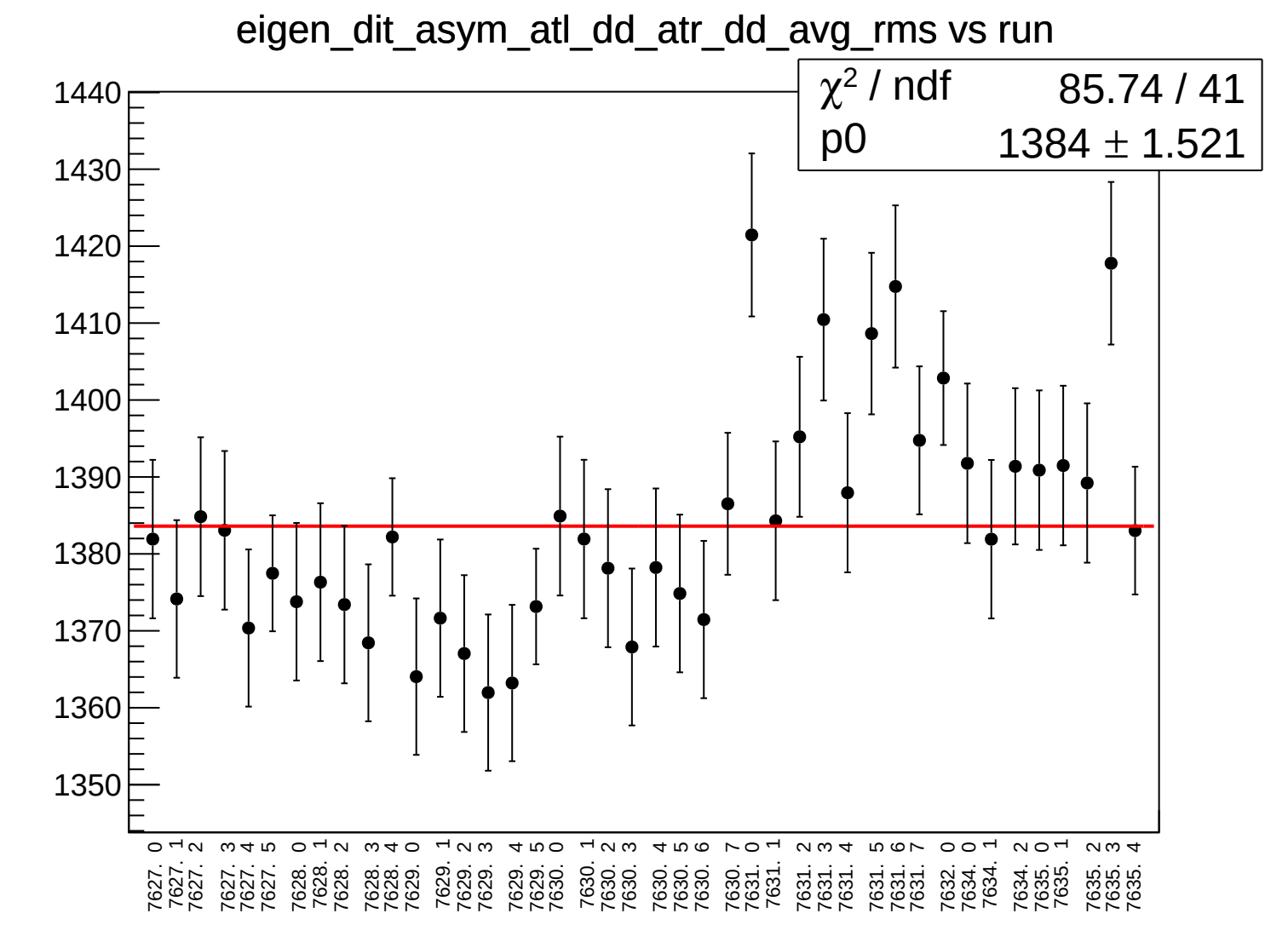
asym_atl_dd_atr_dd_avg_dit_correction_mean vs run

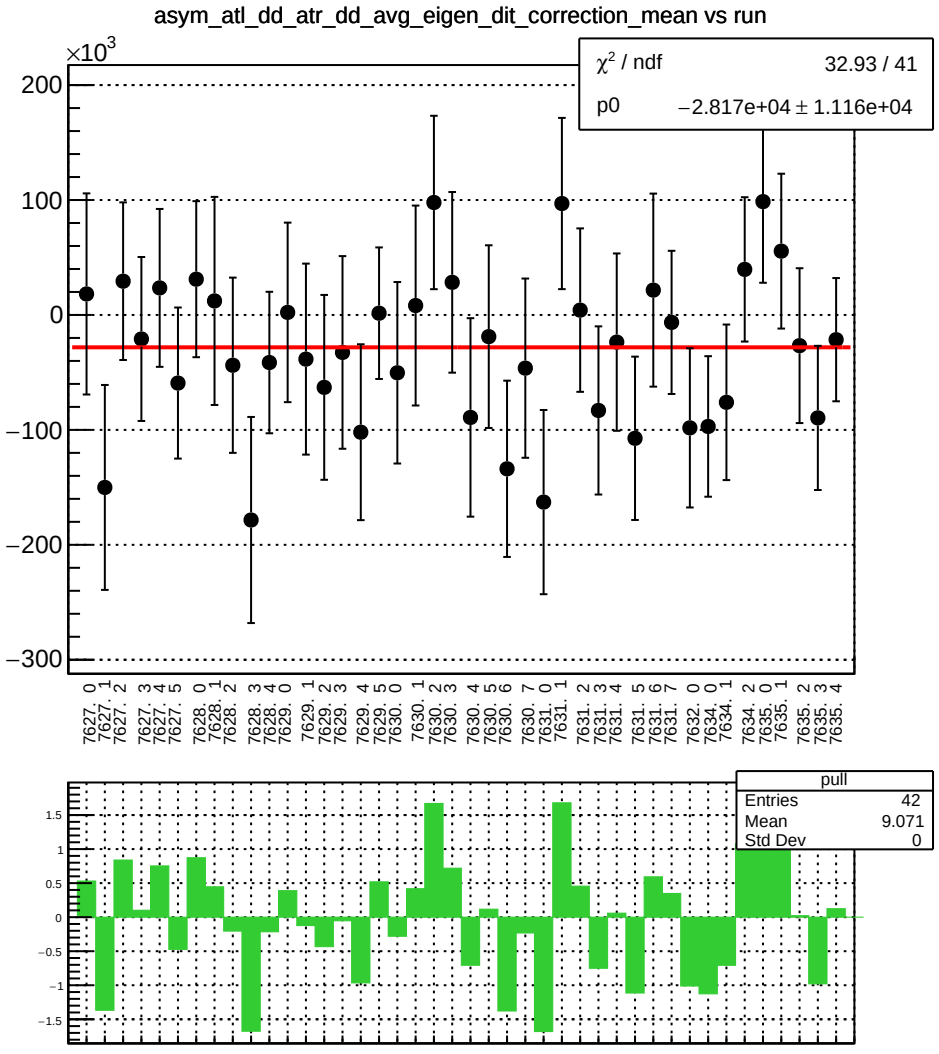


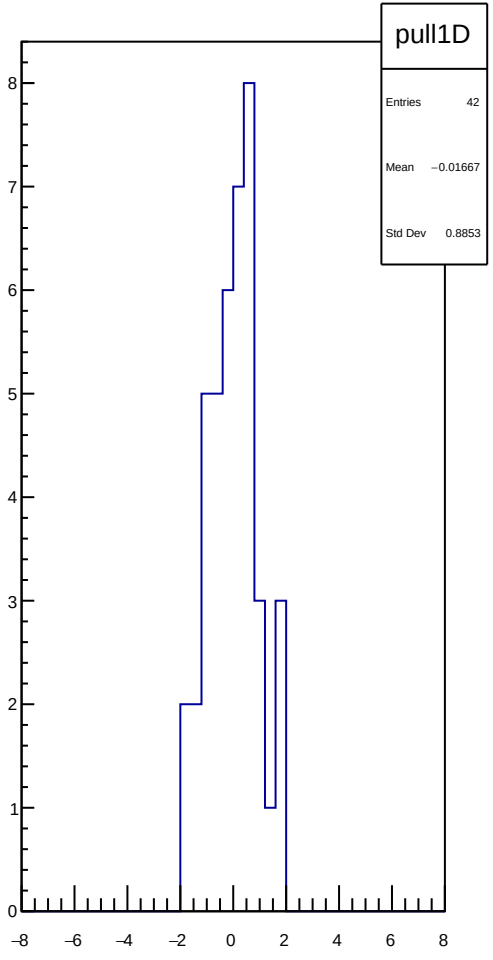


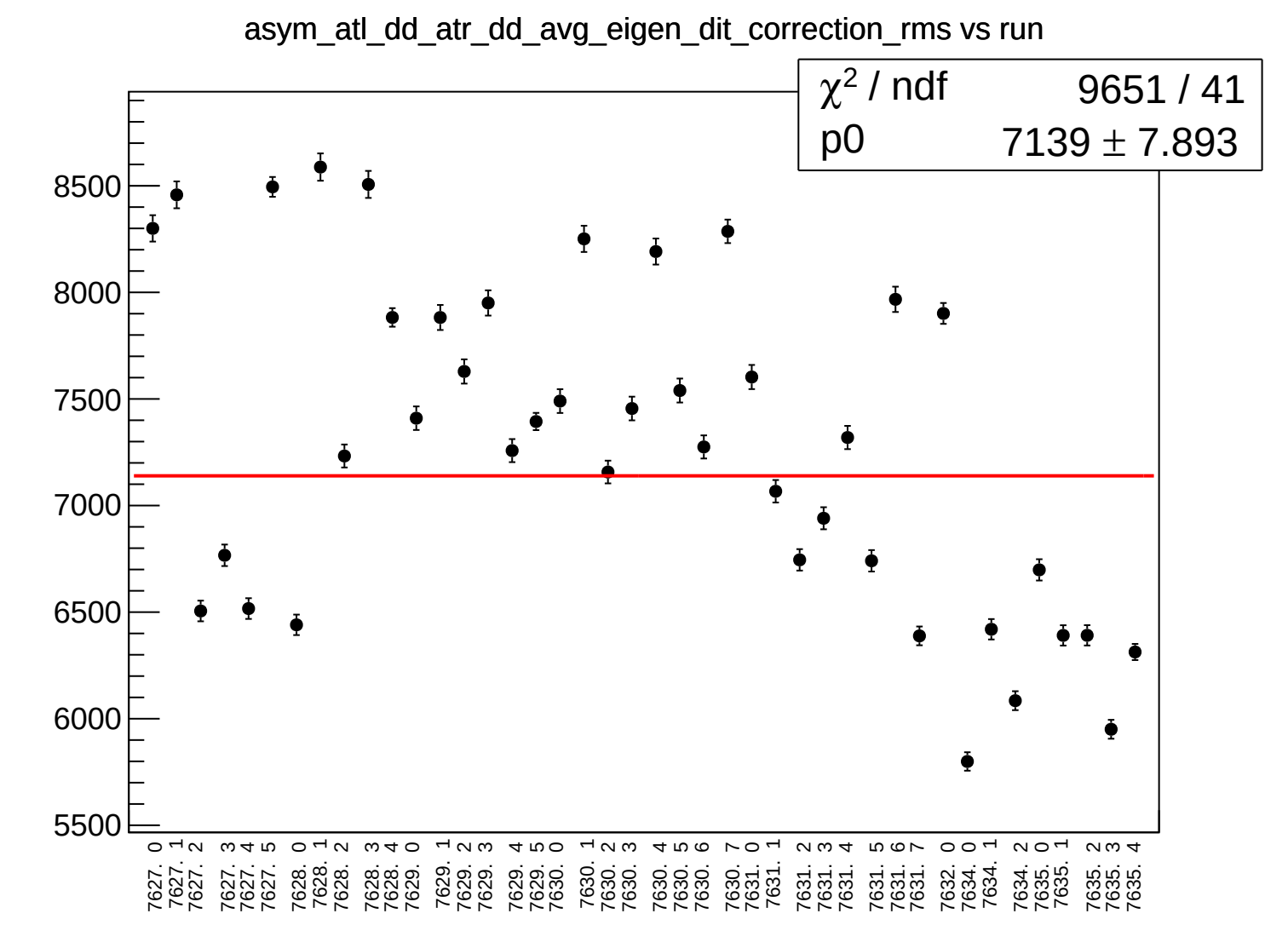

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 9651 / 41
p0 7139 ± 7.893
8500
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

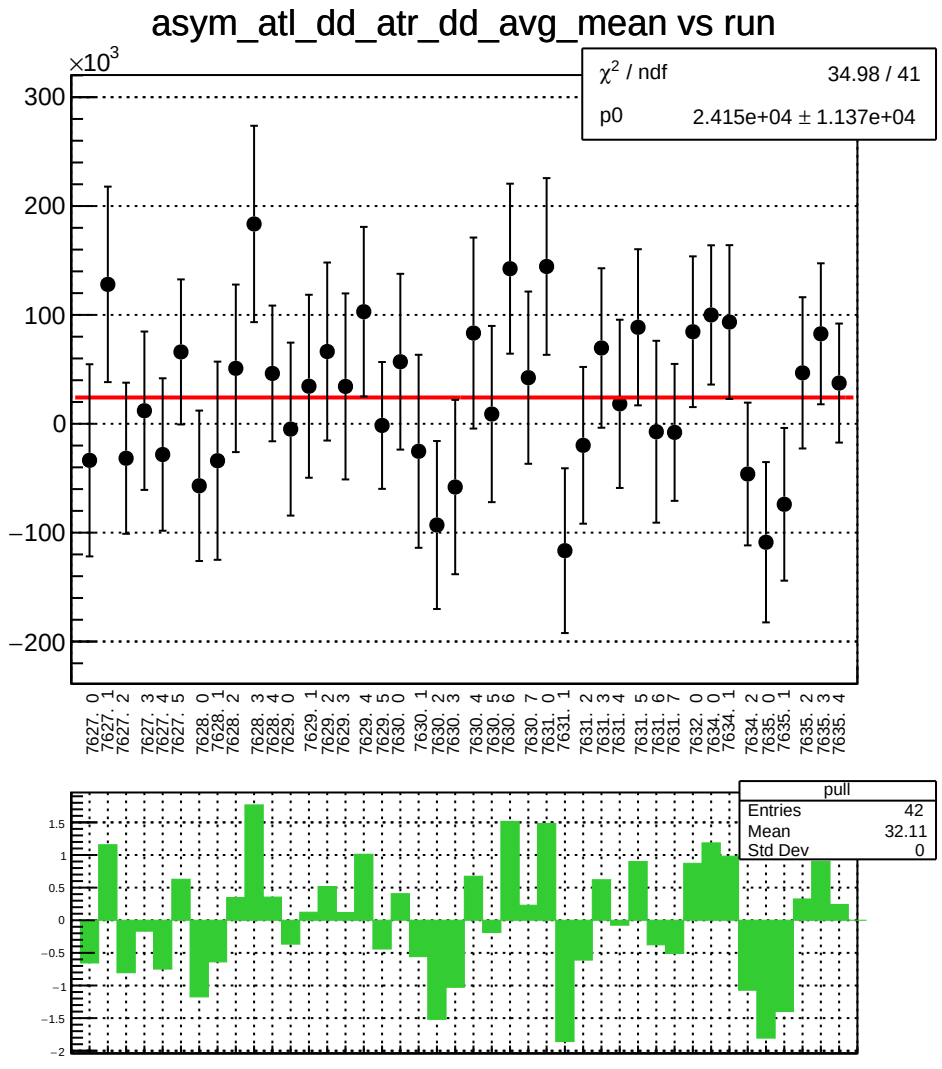

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 31.18 / 41
p0 −4429 ± 2151
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02625
Std Dev 0.8612
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

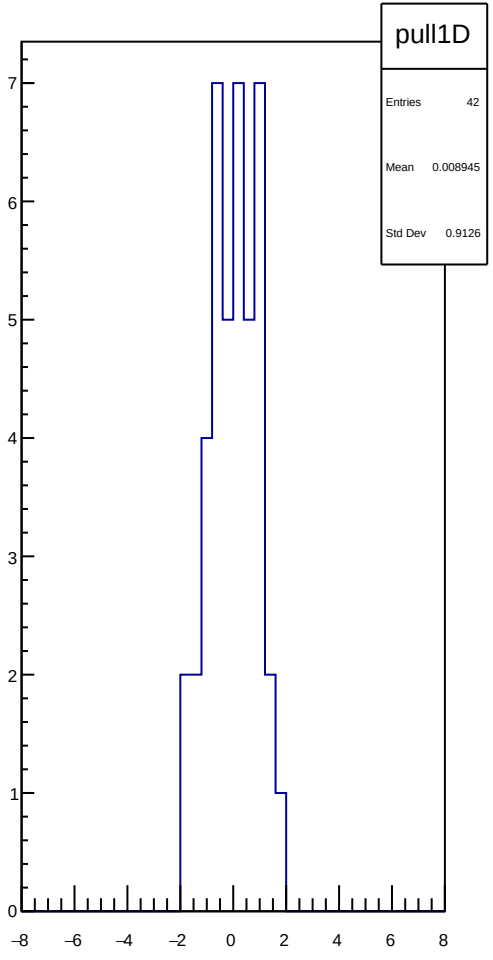

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 85.74 / 41
p0 1384 ± 1.521
1440
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

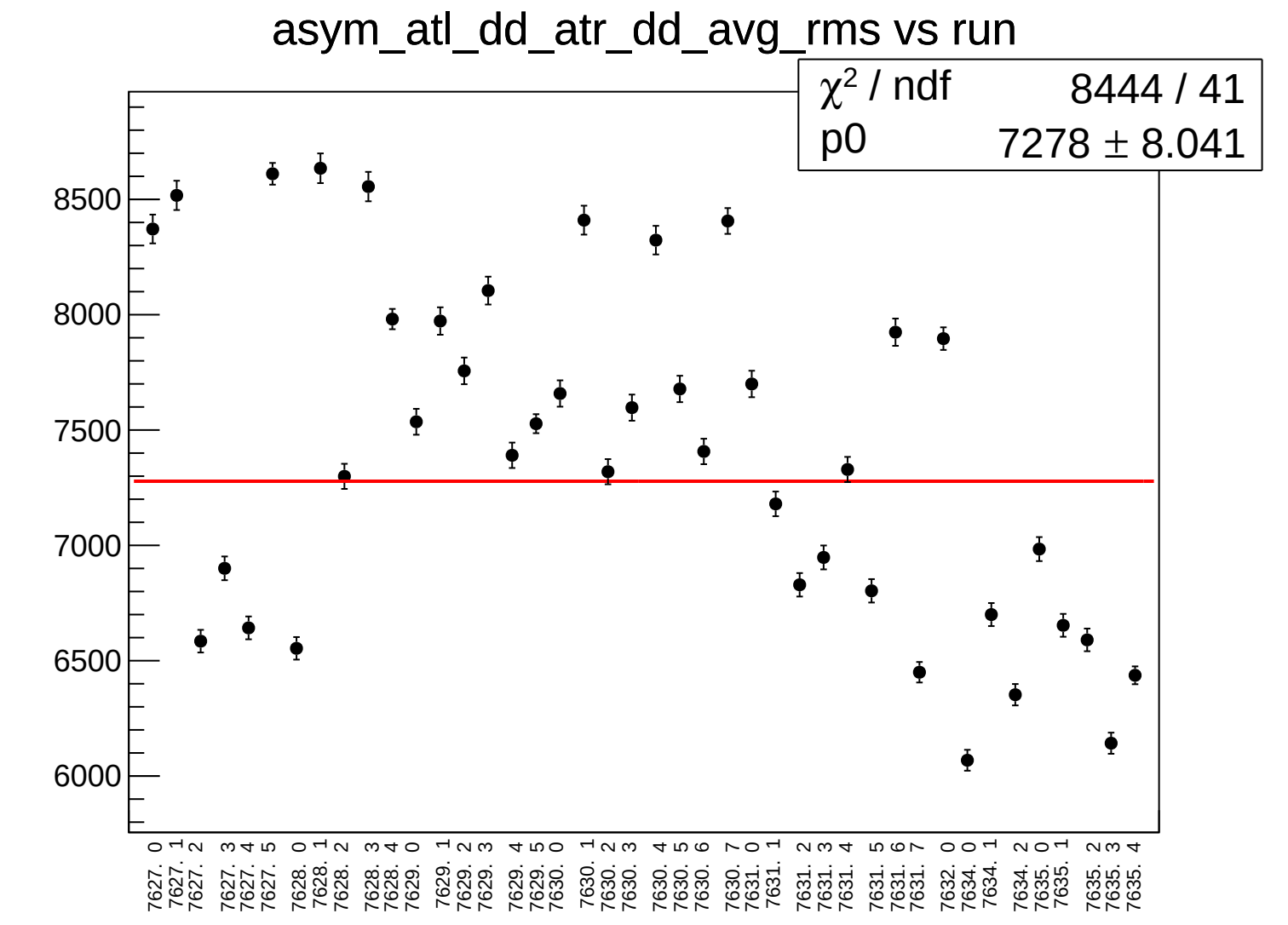

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.93 / 41
p0 −2.817e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.071
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

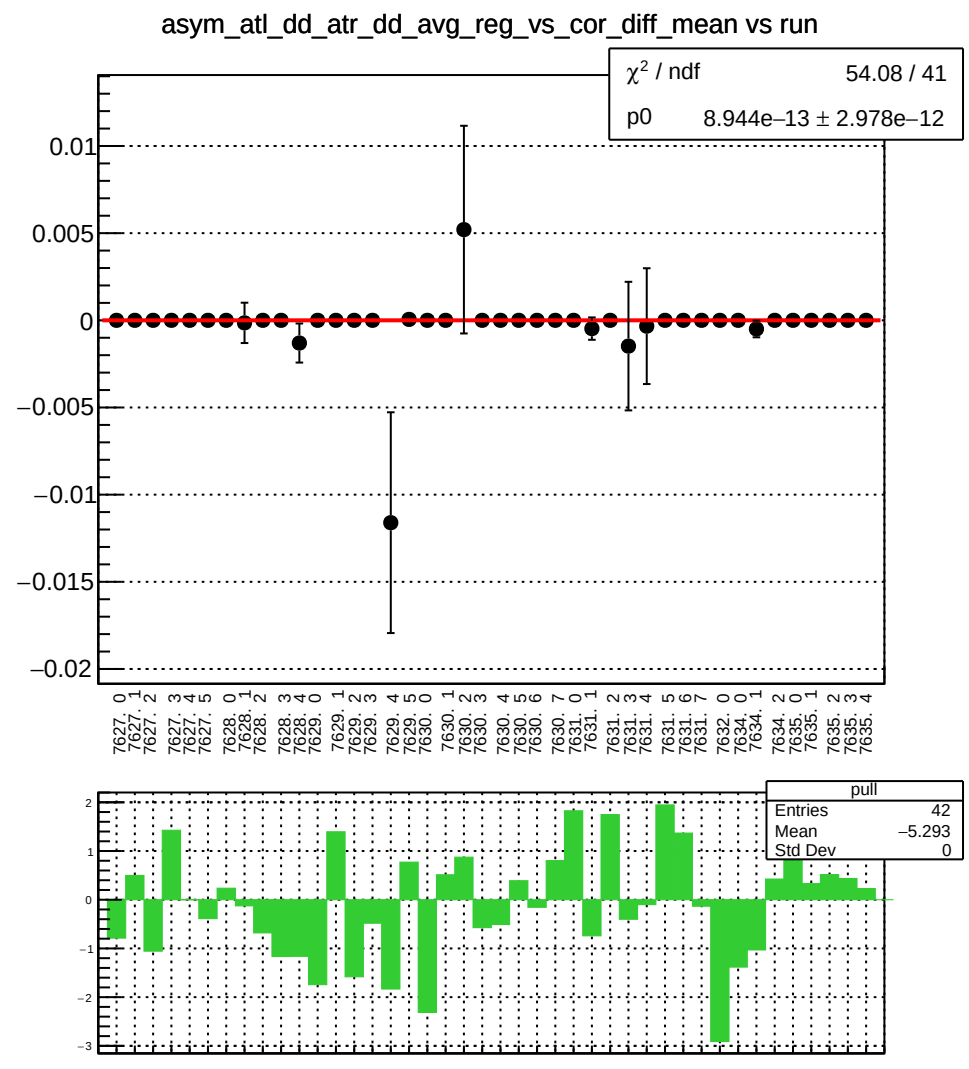

pull1D
Entries 42
Mean −0.01667
Std Dev 0.8853
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

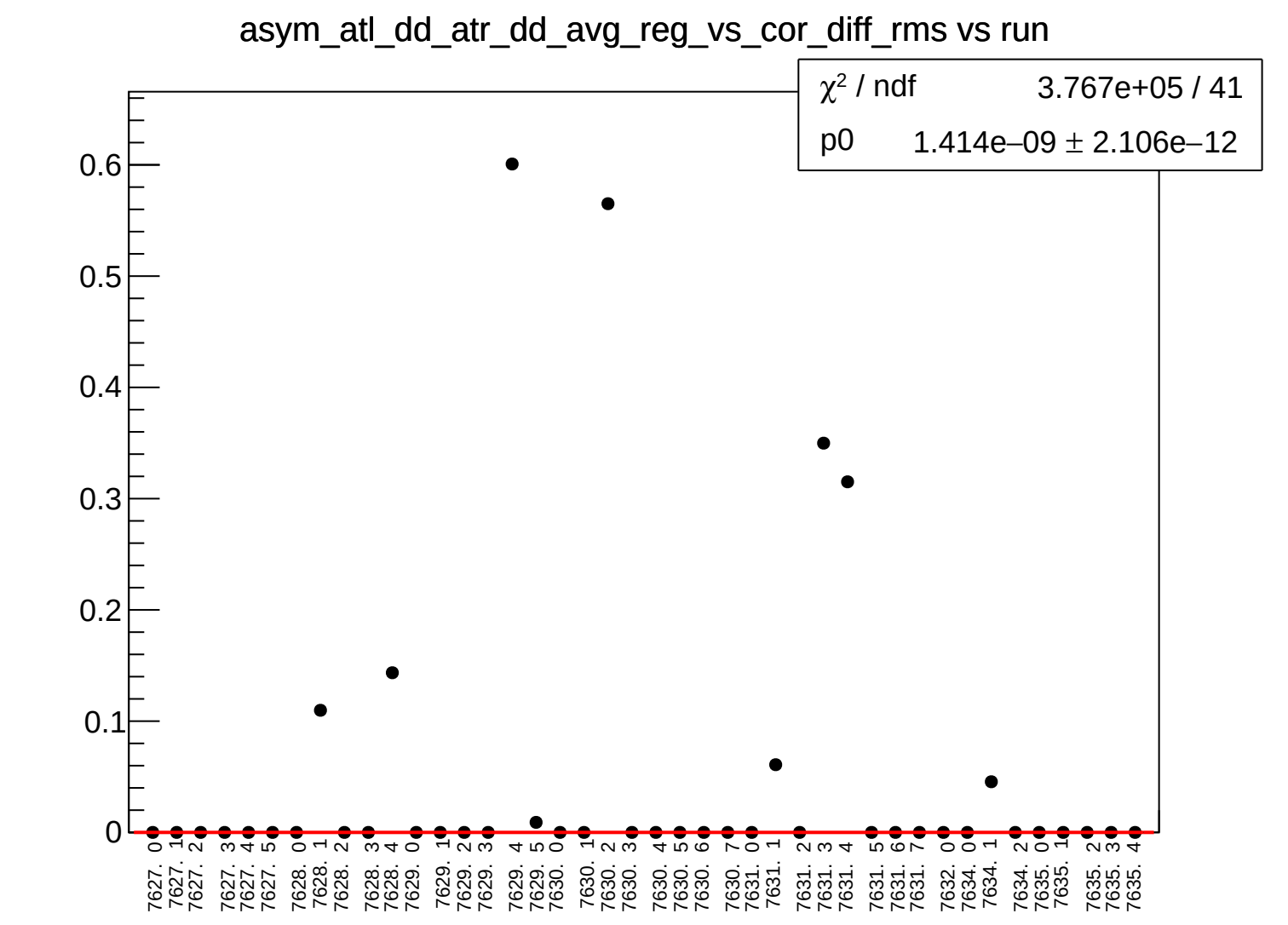

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 9651 / 41
p0 7139 ± 7.893
8500
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

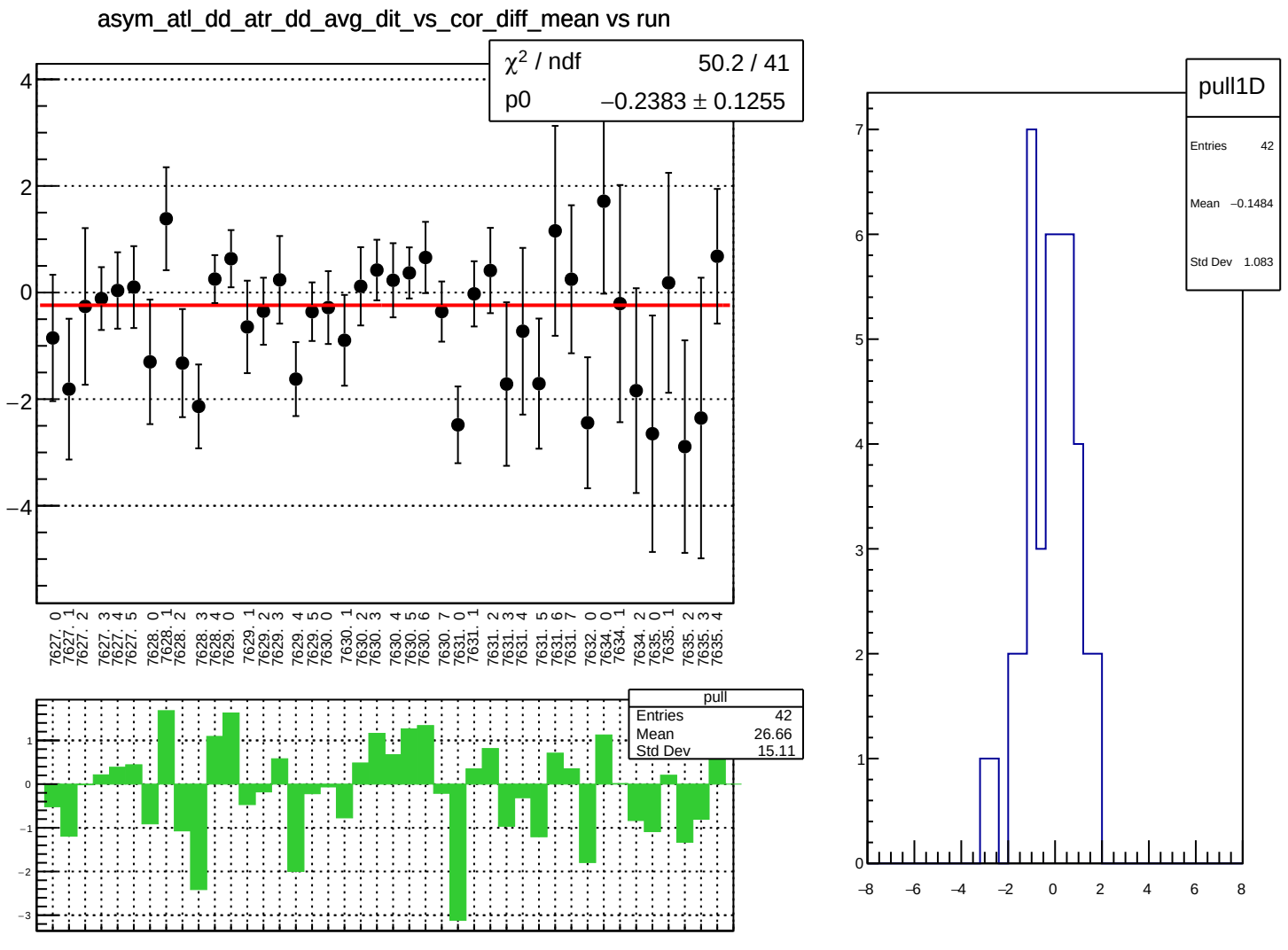

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 34.98 / 41
p0 2.415e+04 ± 1.137e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 32.11
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

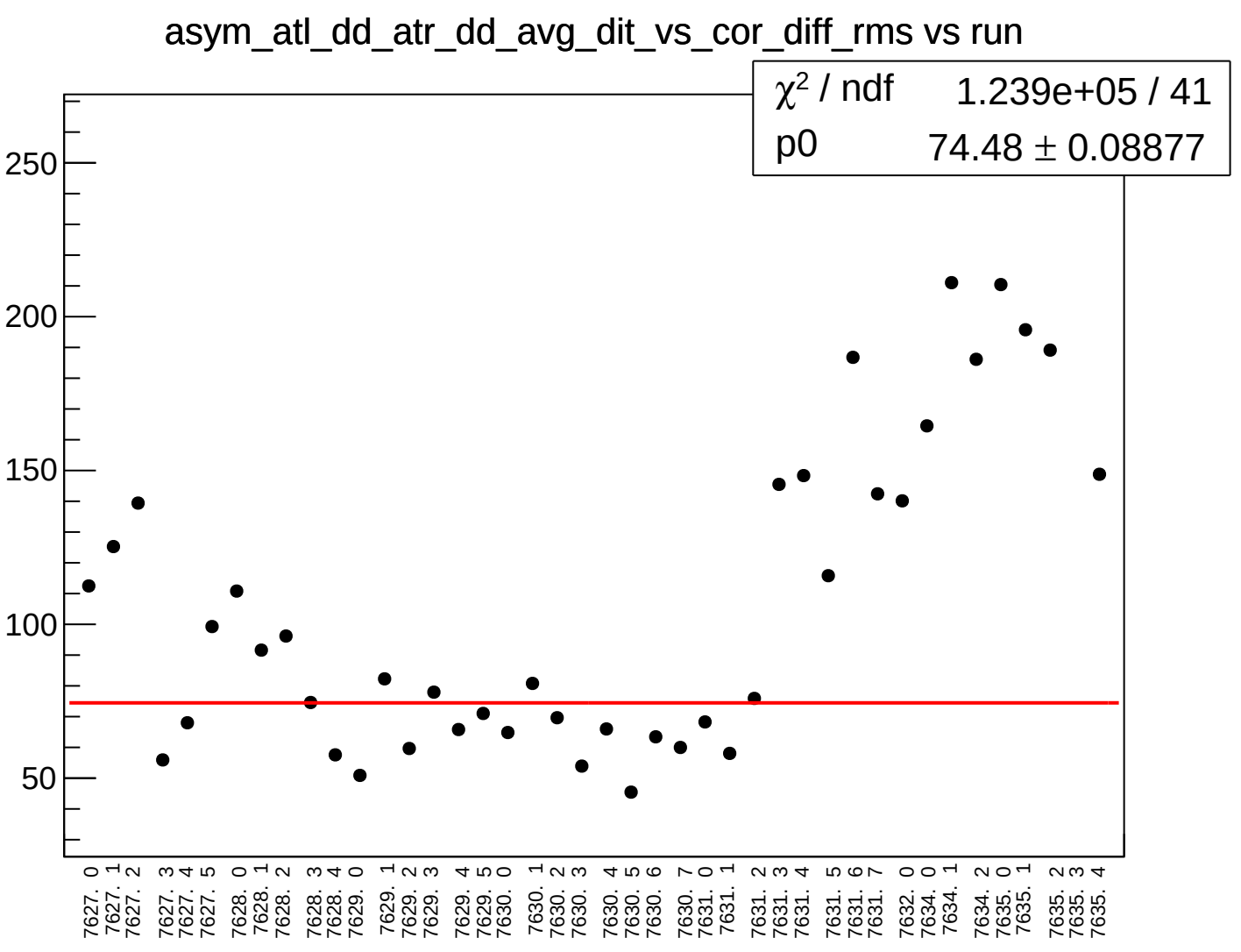

pull1D
Entries 42
Mean 0.008945
Std Dev 0.9126
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

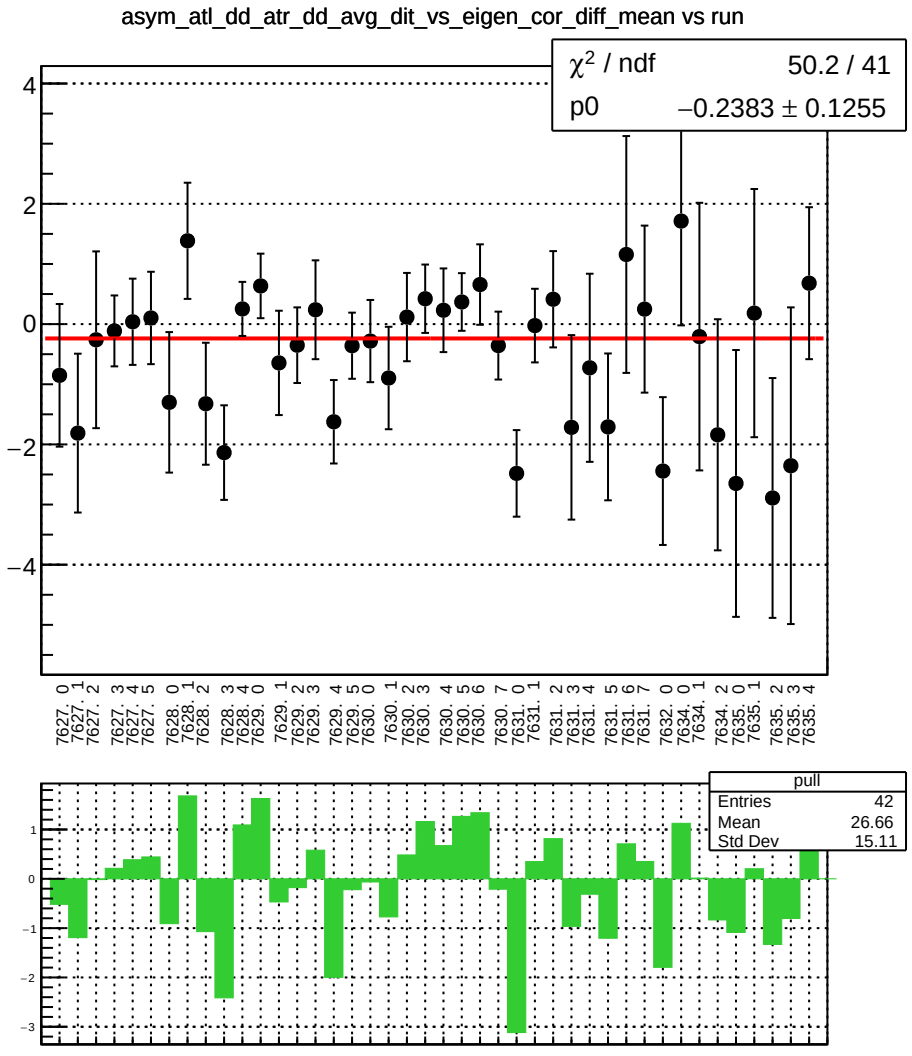

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 8444 / 41
p0 7278 ± 8.041
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

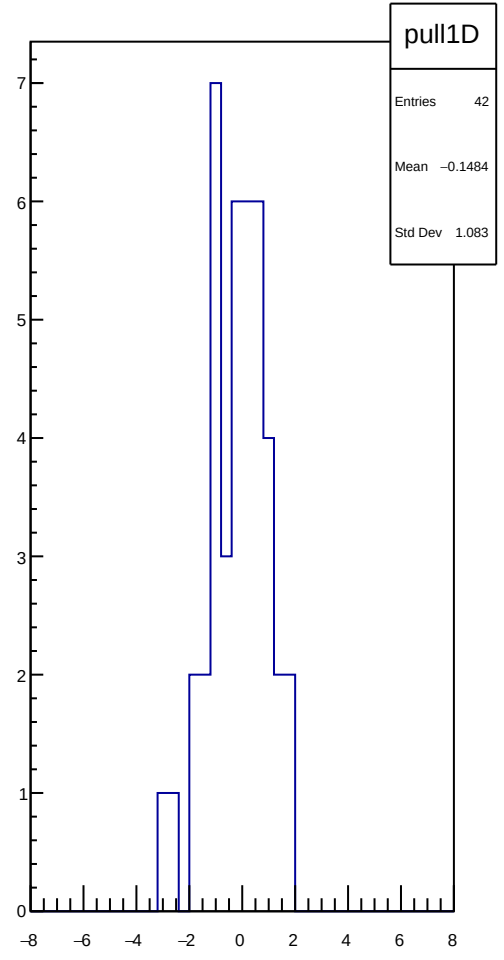

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.08 / 41
p0 8.944e−13 ± 2.978e−12
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.293
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.09655
Std Dev 1.131
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

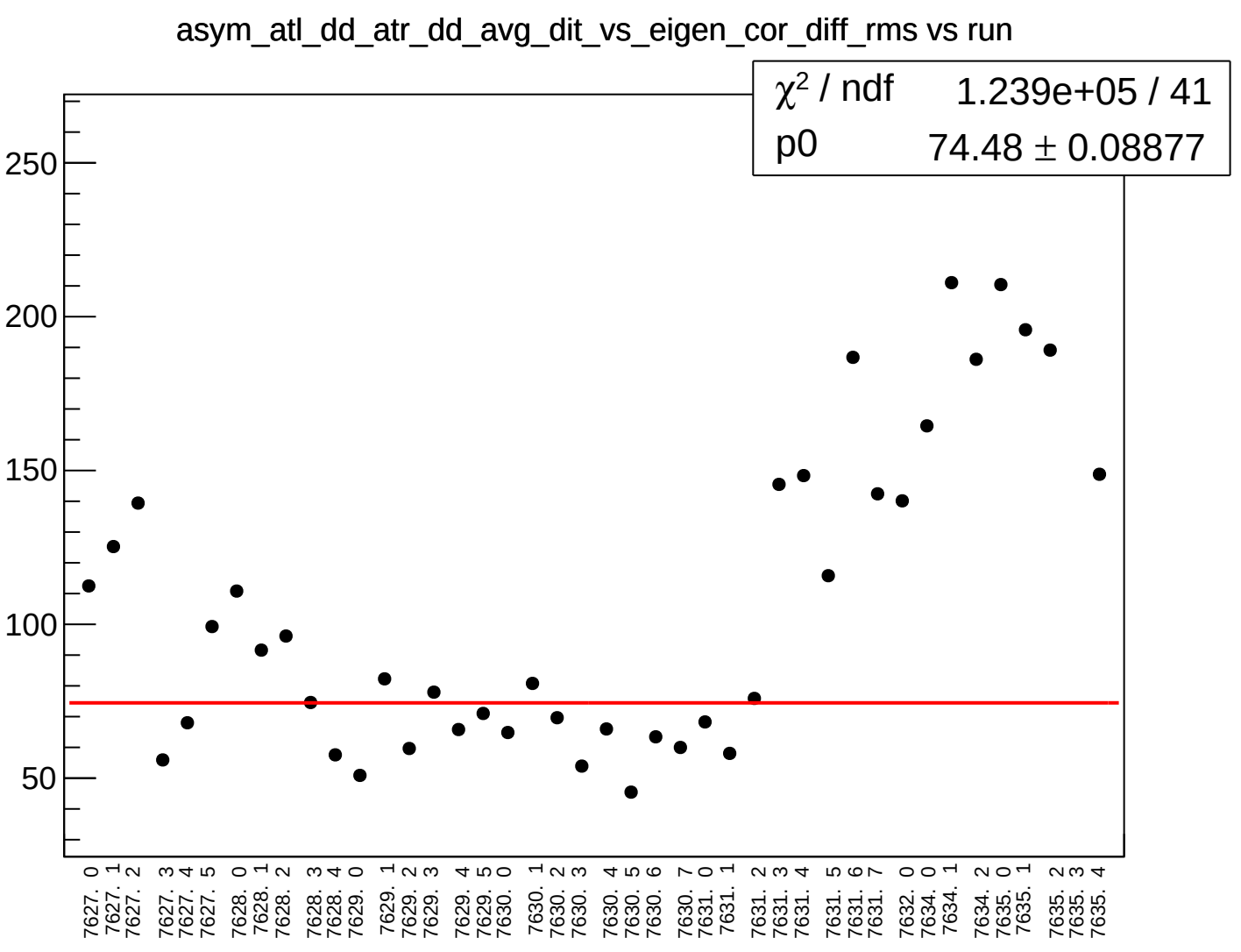

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.767e+05 / 41
p0 1.414e−09 ± 2.106e−12
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.2 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11
pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

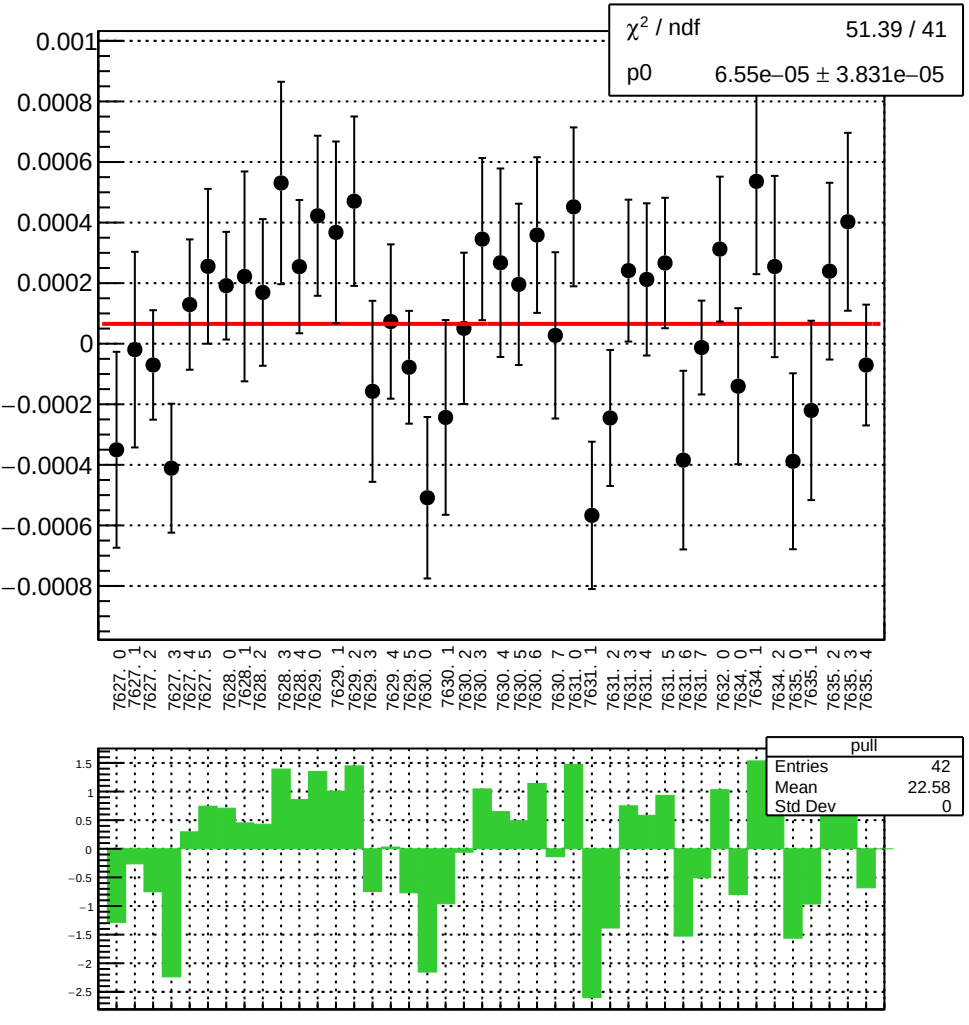

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

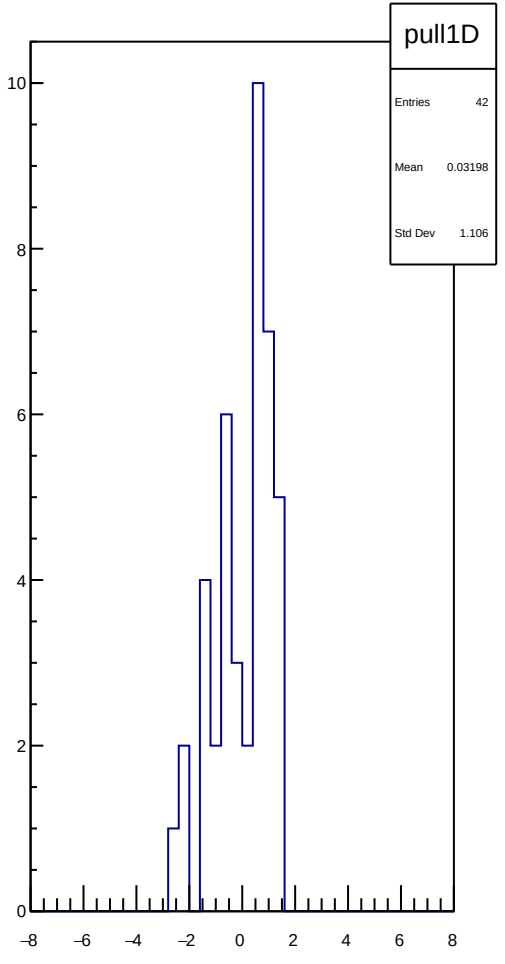

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.2 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11

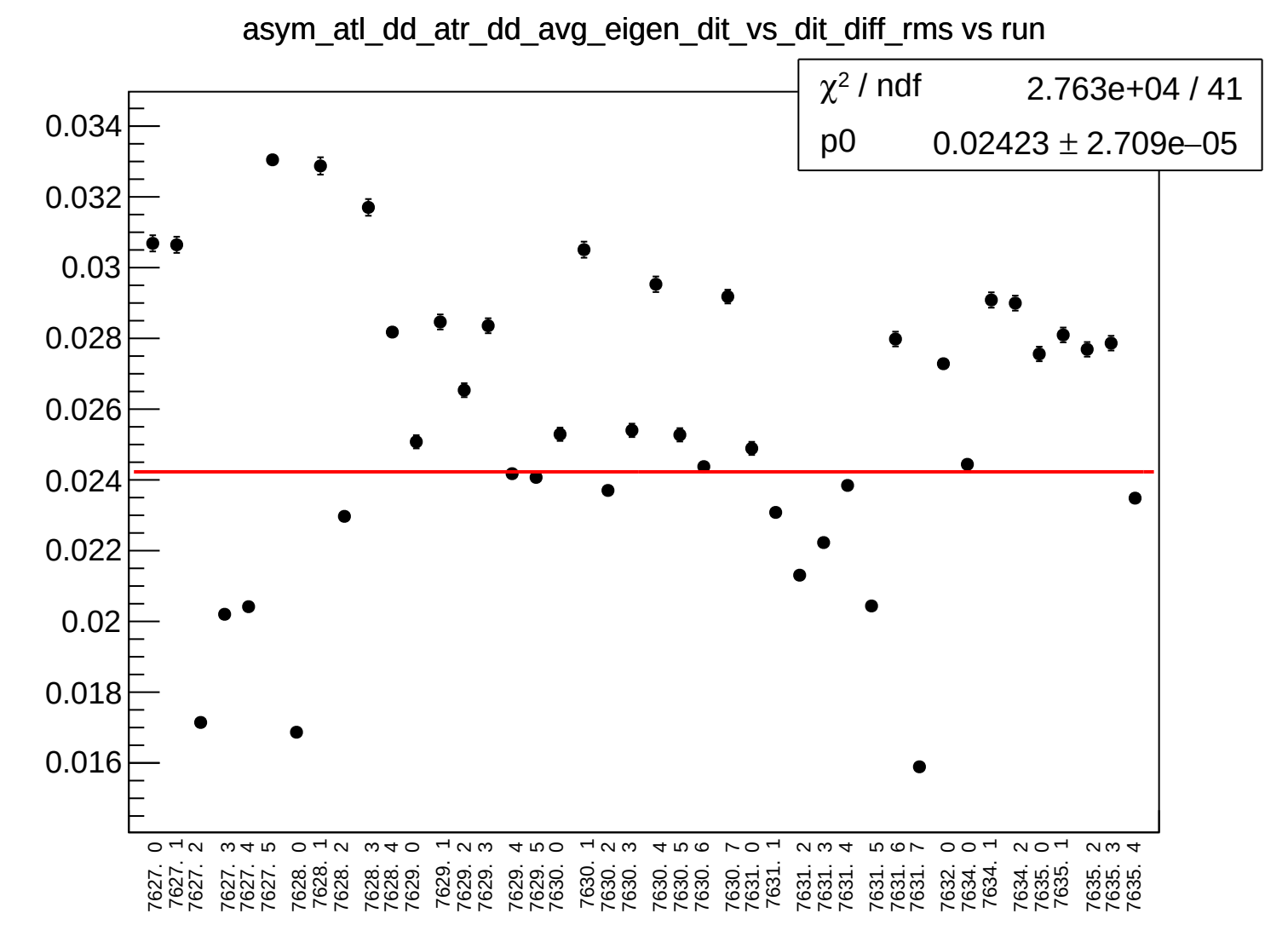

pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

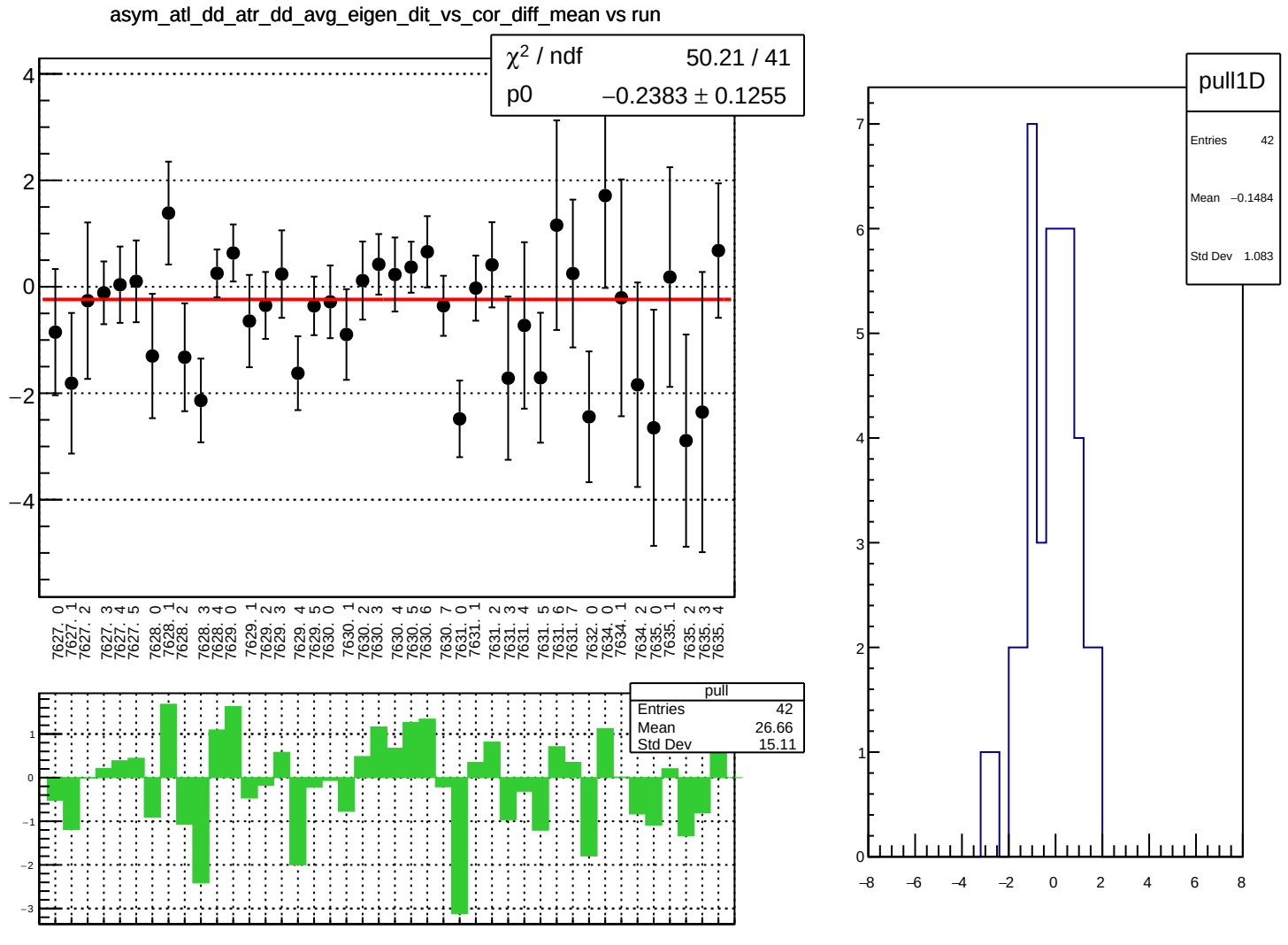

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

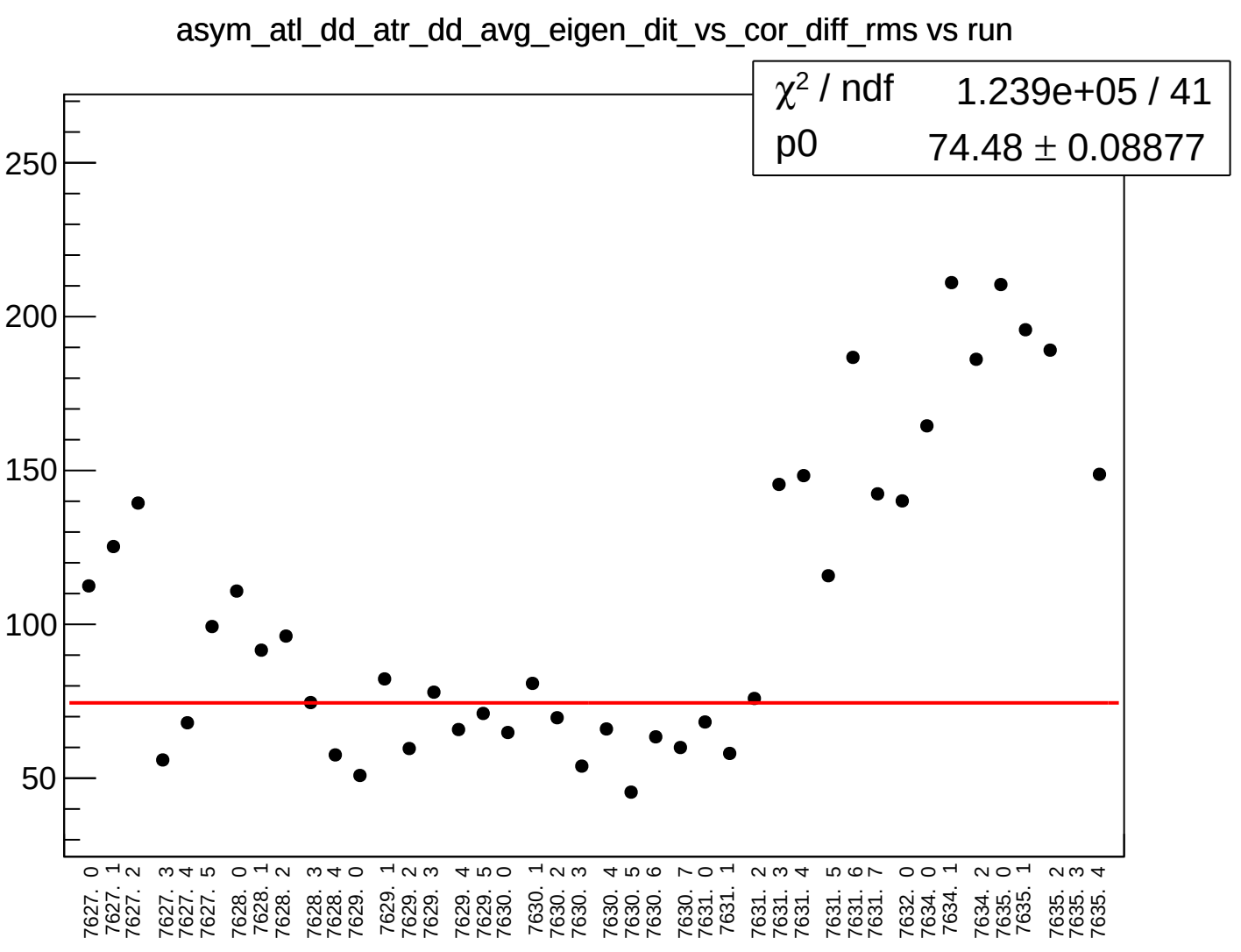
asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run

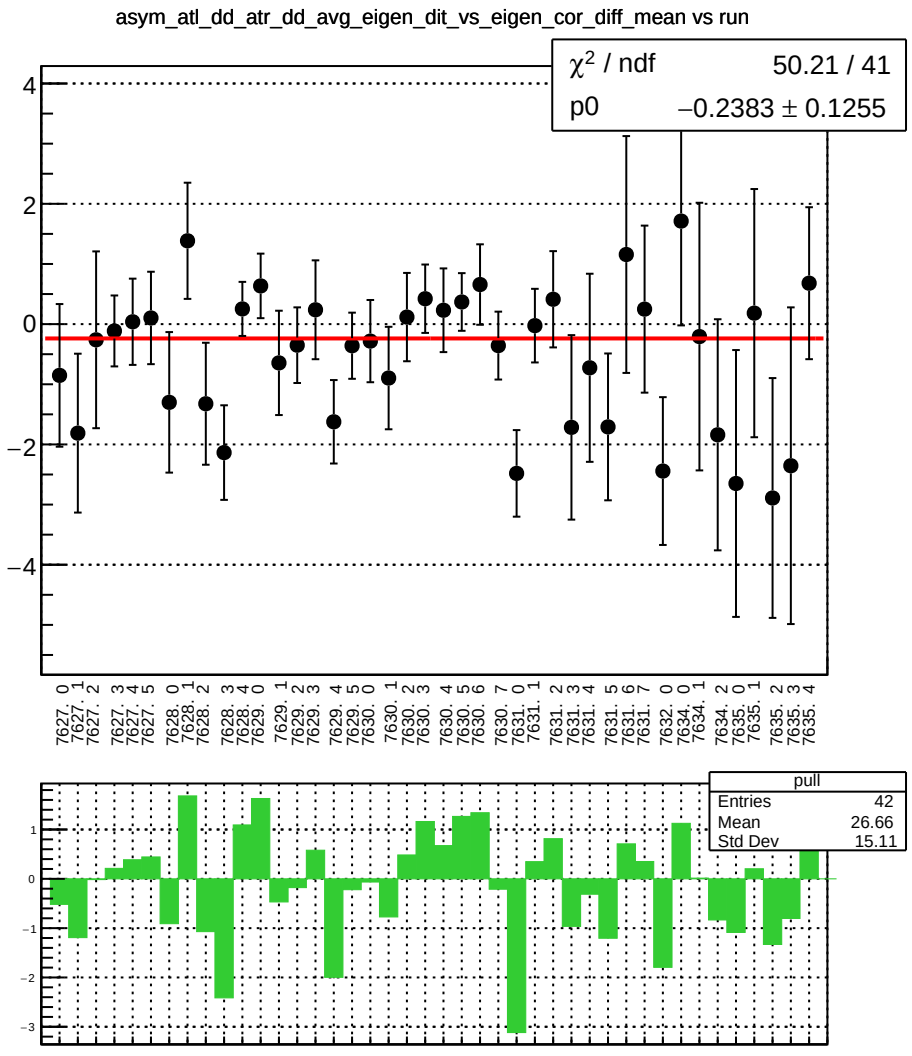


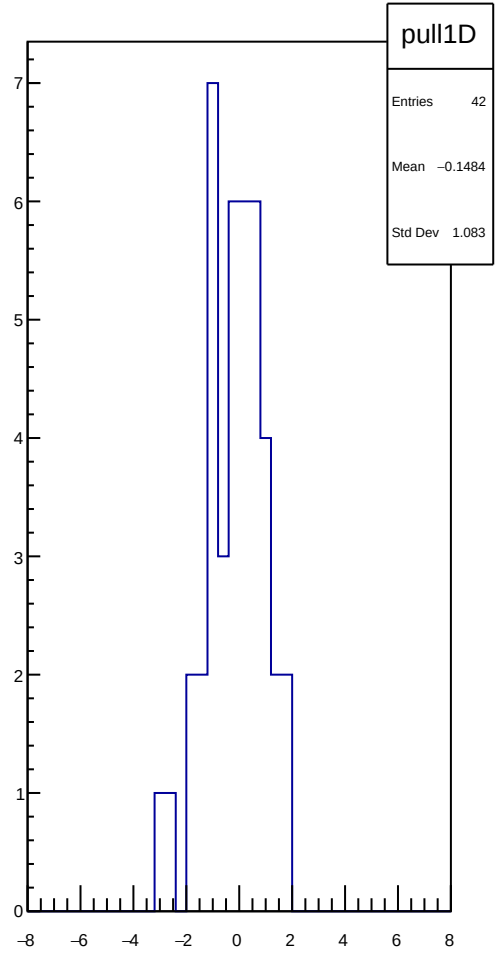


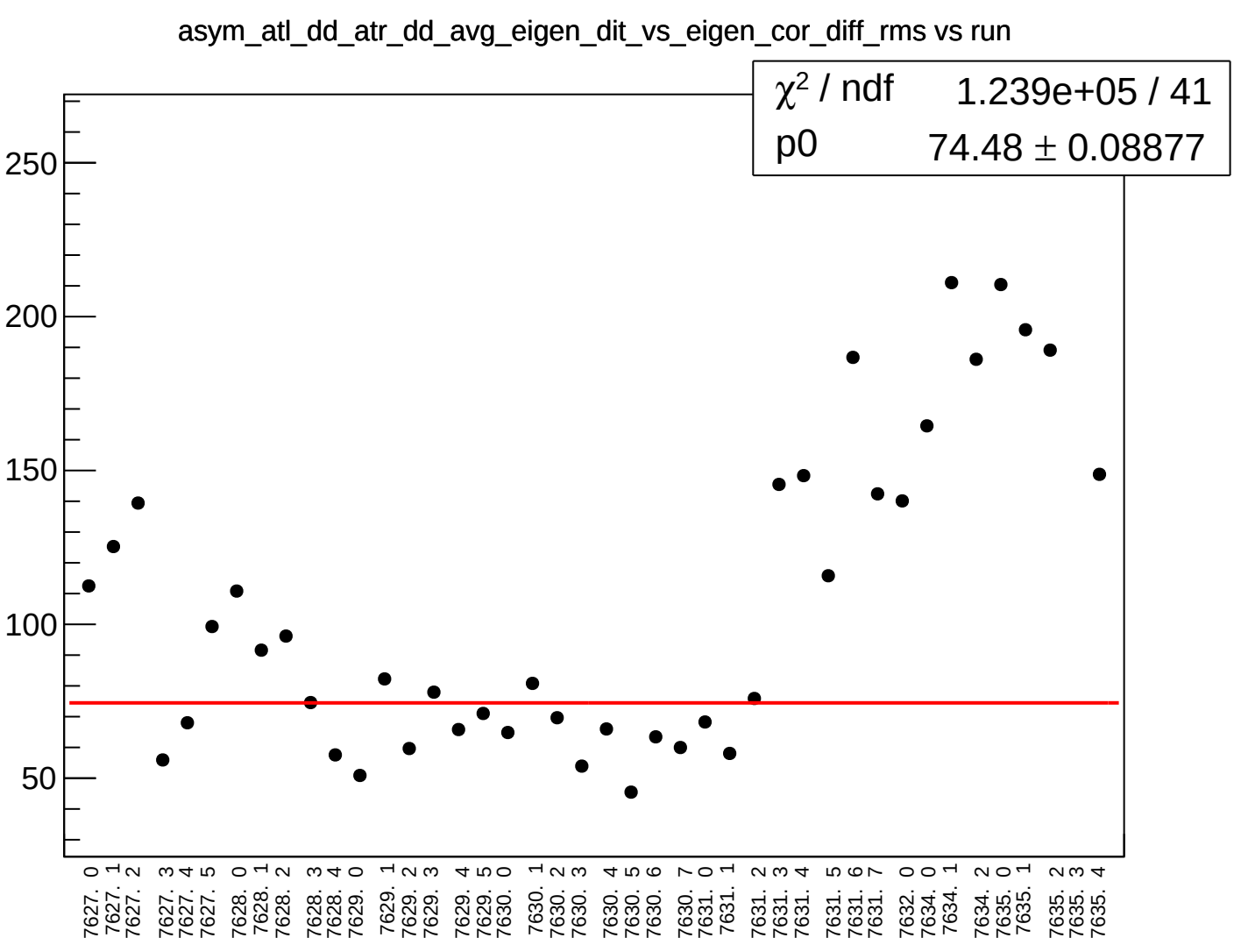

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.763e+04 / 41
p0 0.02423 ± 2.709e–05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

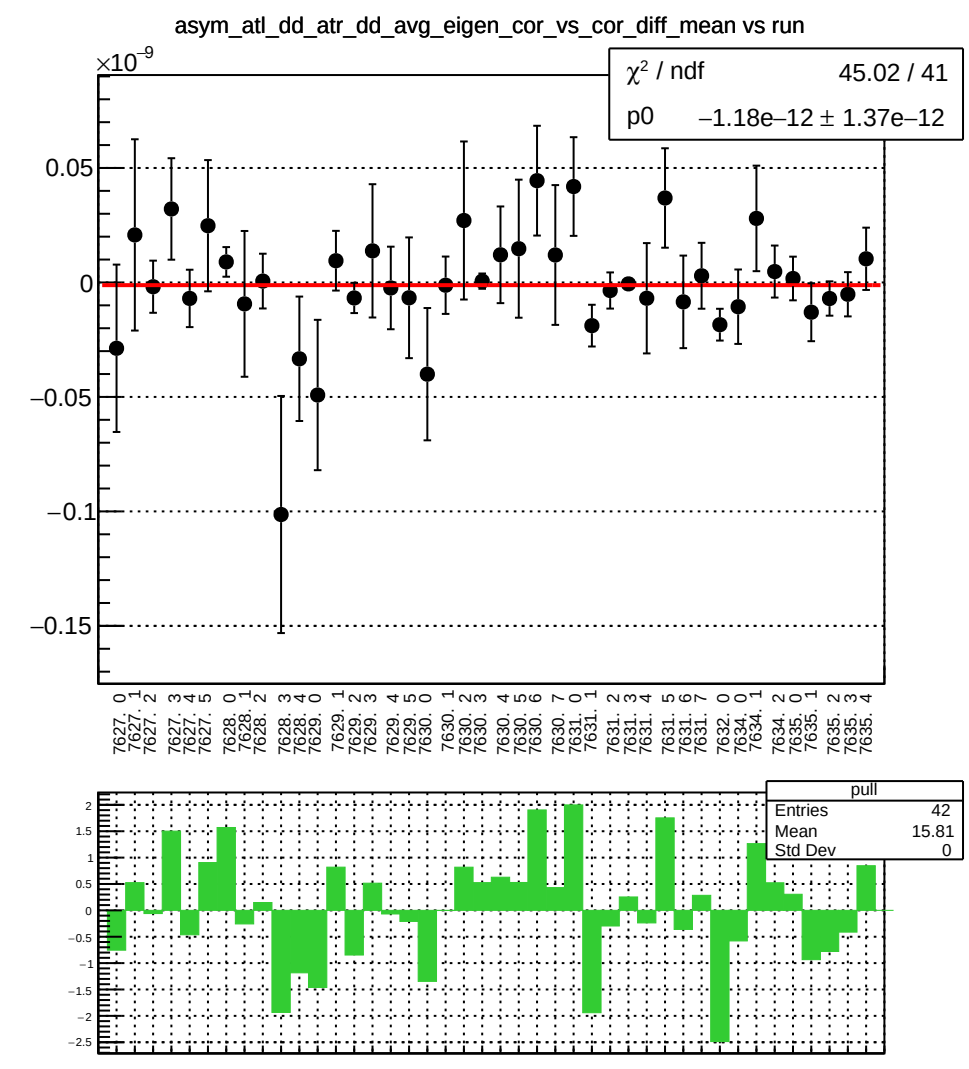

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.21 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11
pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

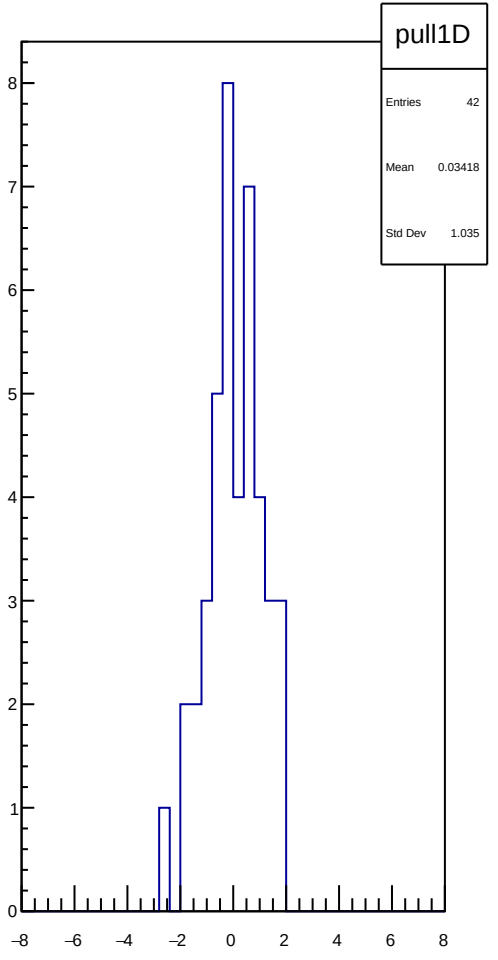

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

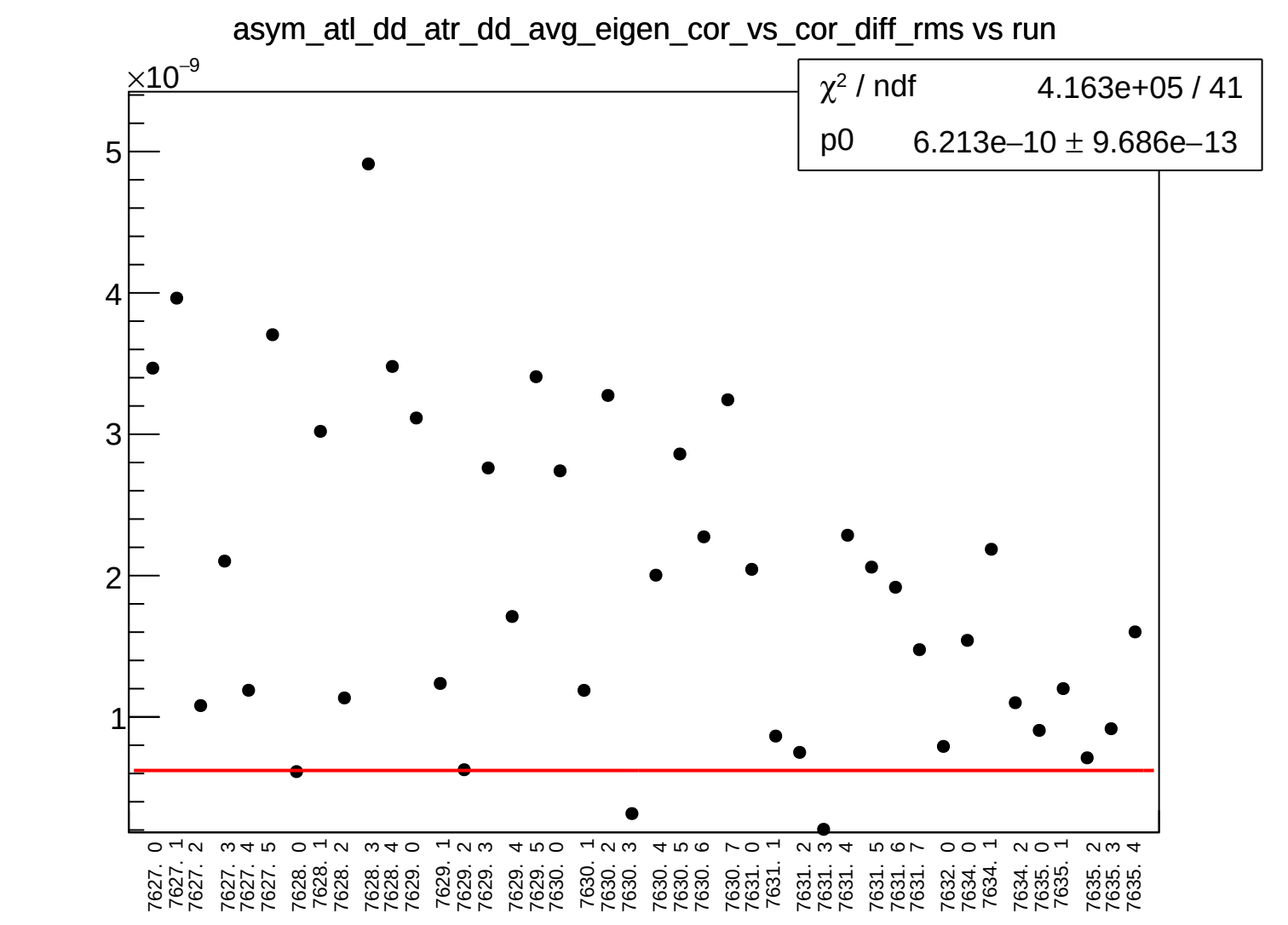

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.21 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11

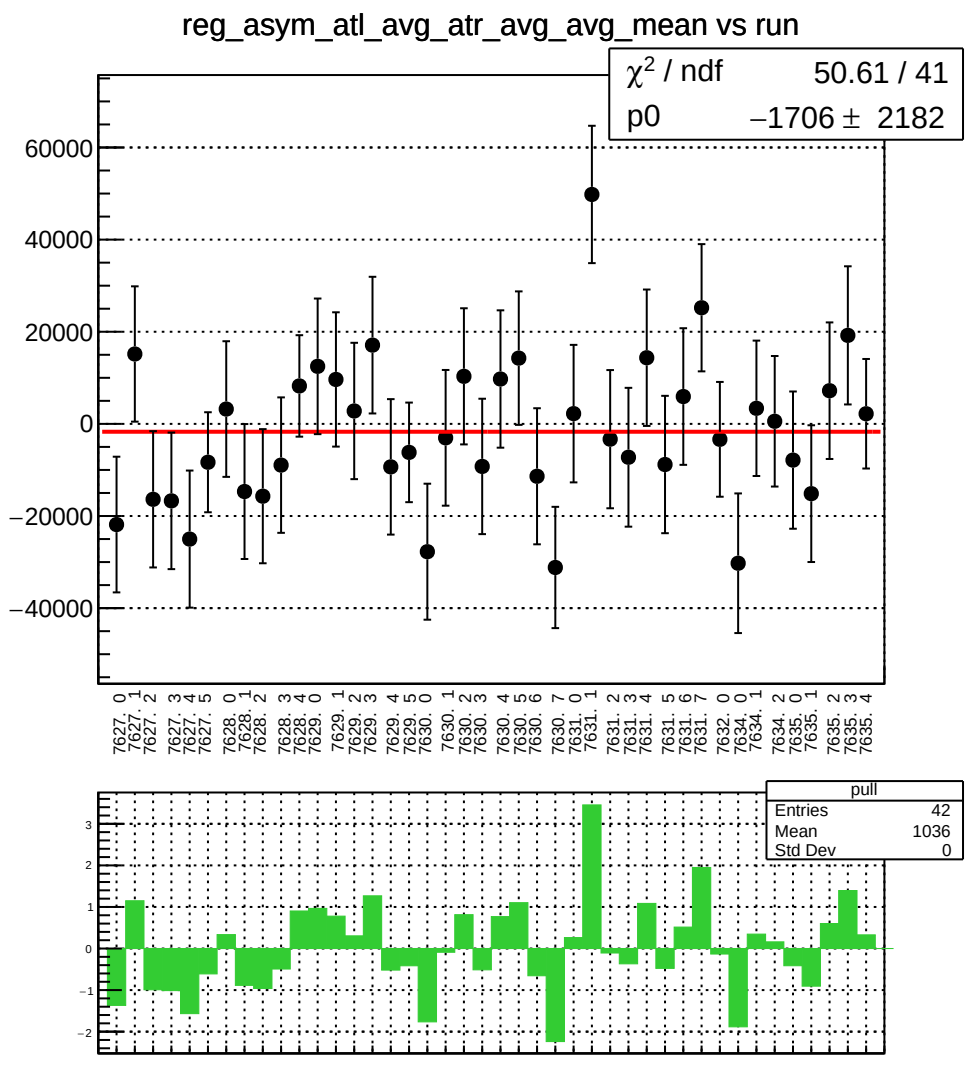

pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

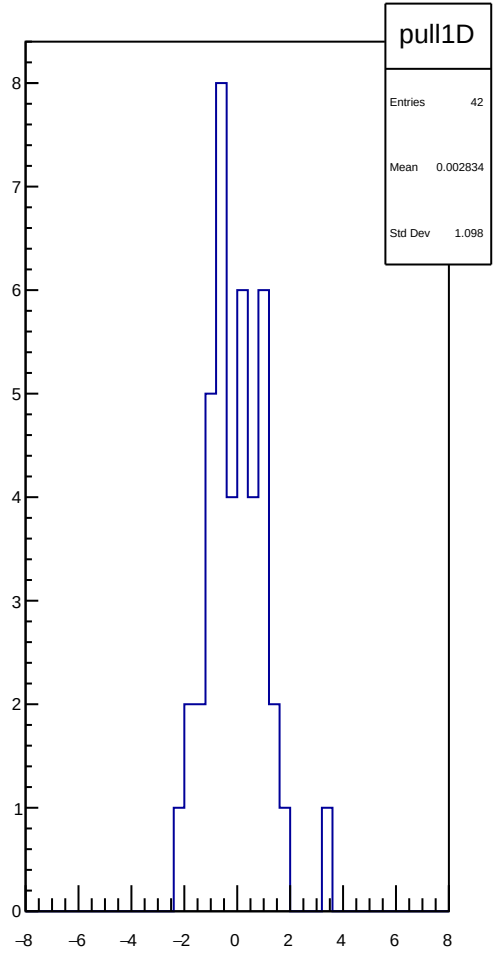

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

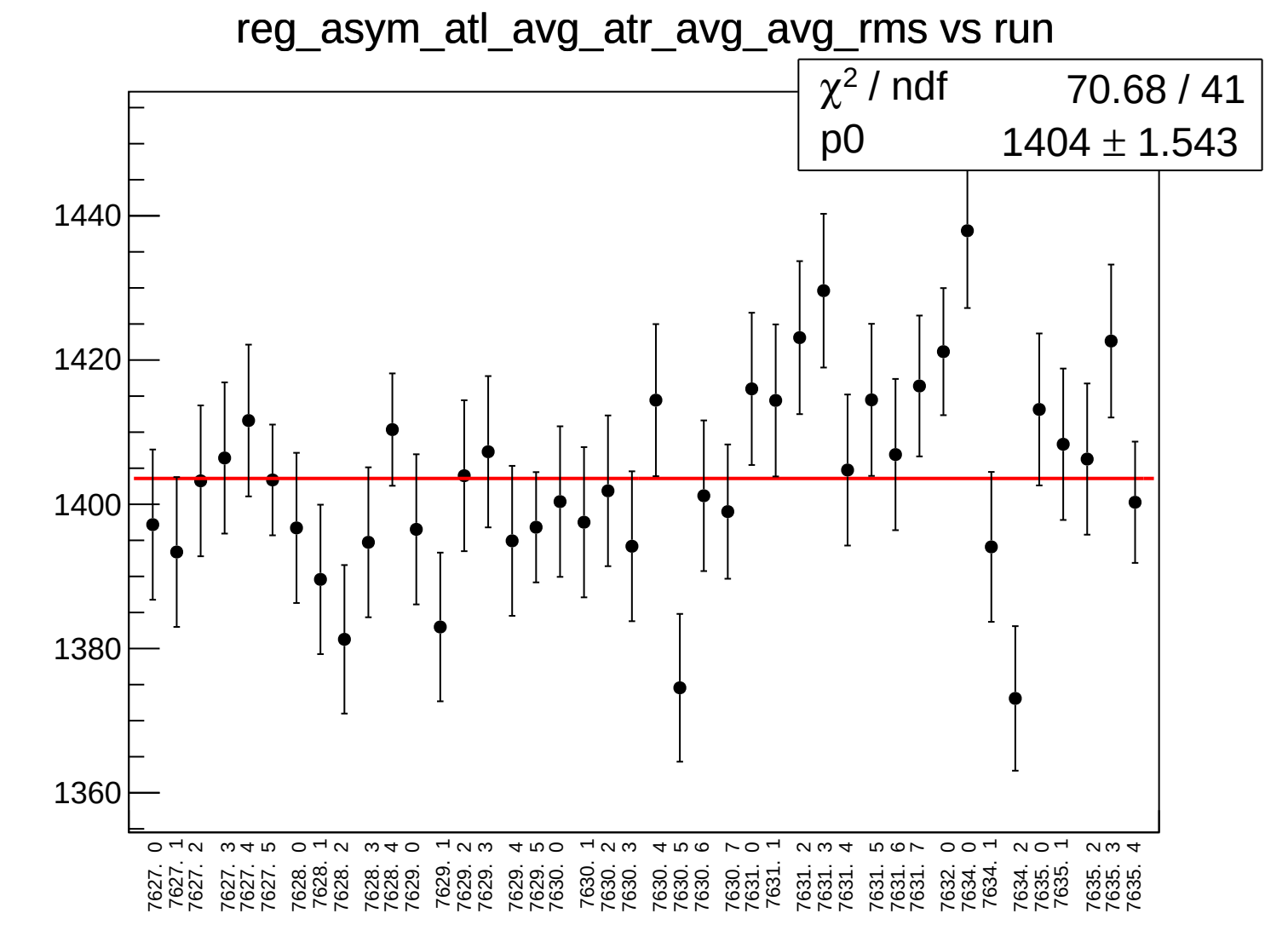

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 45.02 / 41
p0 −1.18e−12 ± 1.37e−12
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

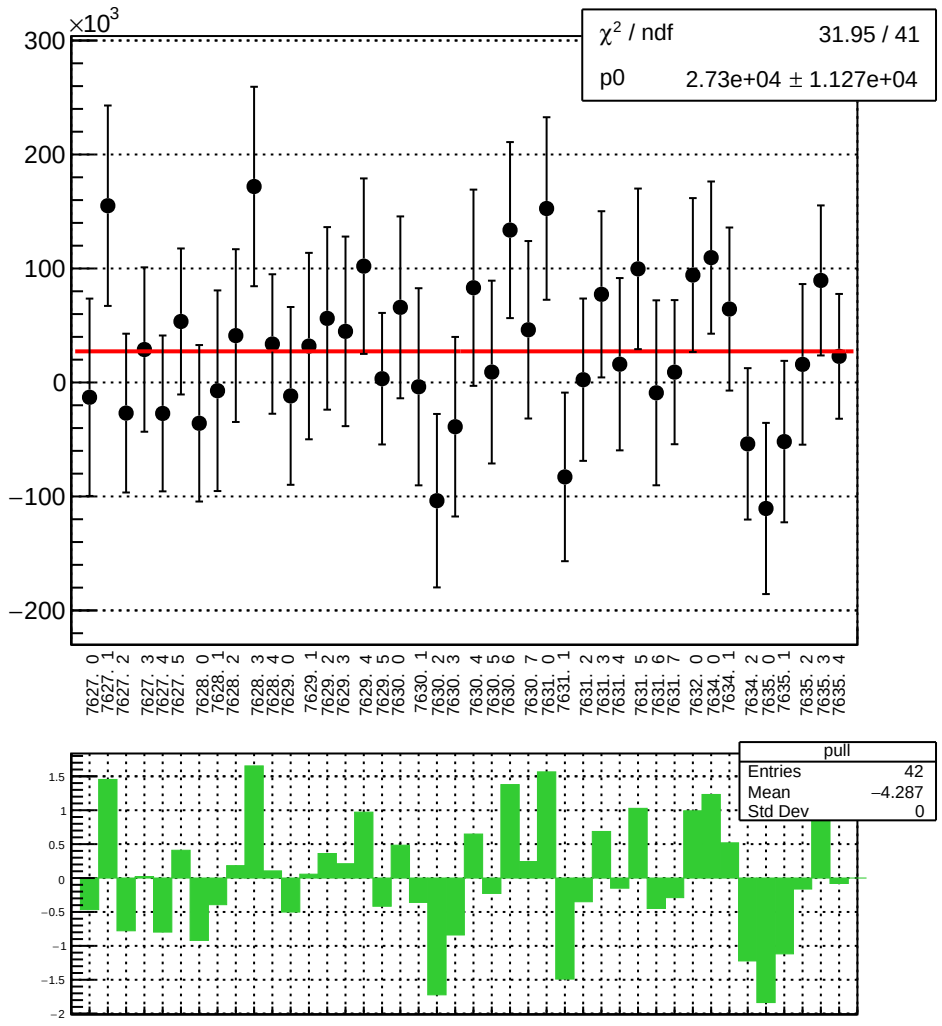

pull1D
Entries 42
Mean 0.03418
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

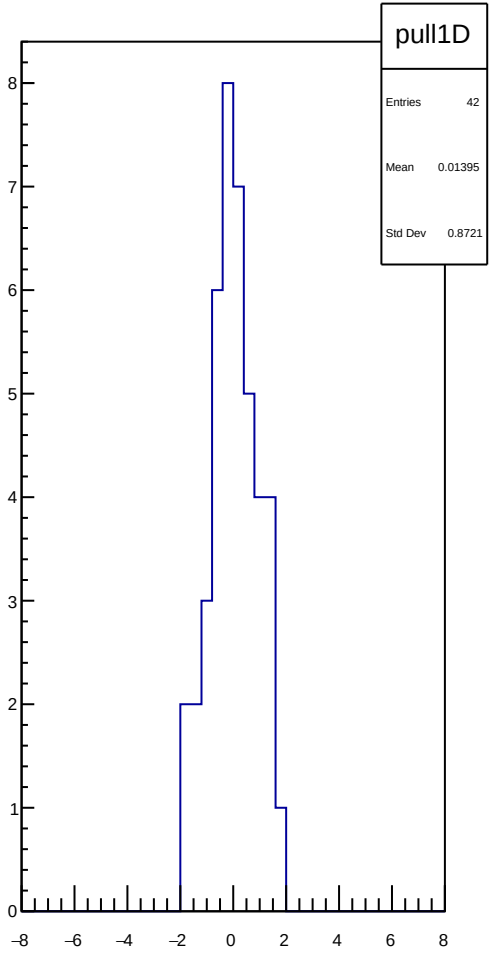

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.163e+05 / 41
p0 6.213e−10 ± 9.686e−13
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

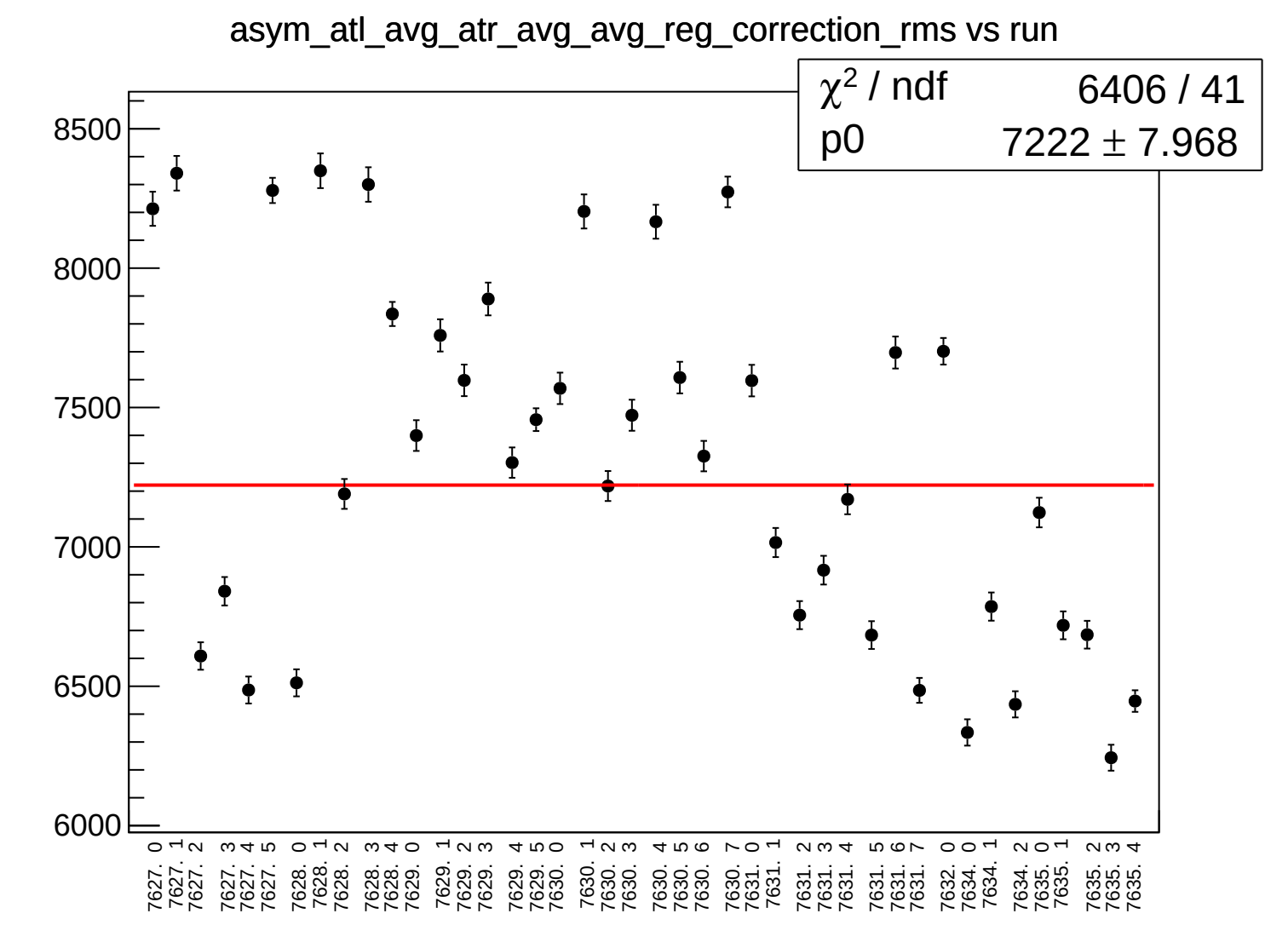

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.61 / 41
p0 −1706 ± 2182
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1036
Std Dev 0
3
2
1
0
−1
−2

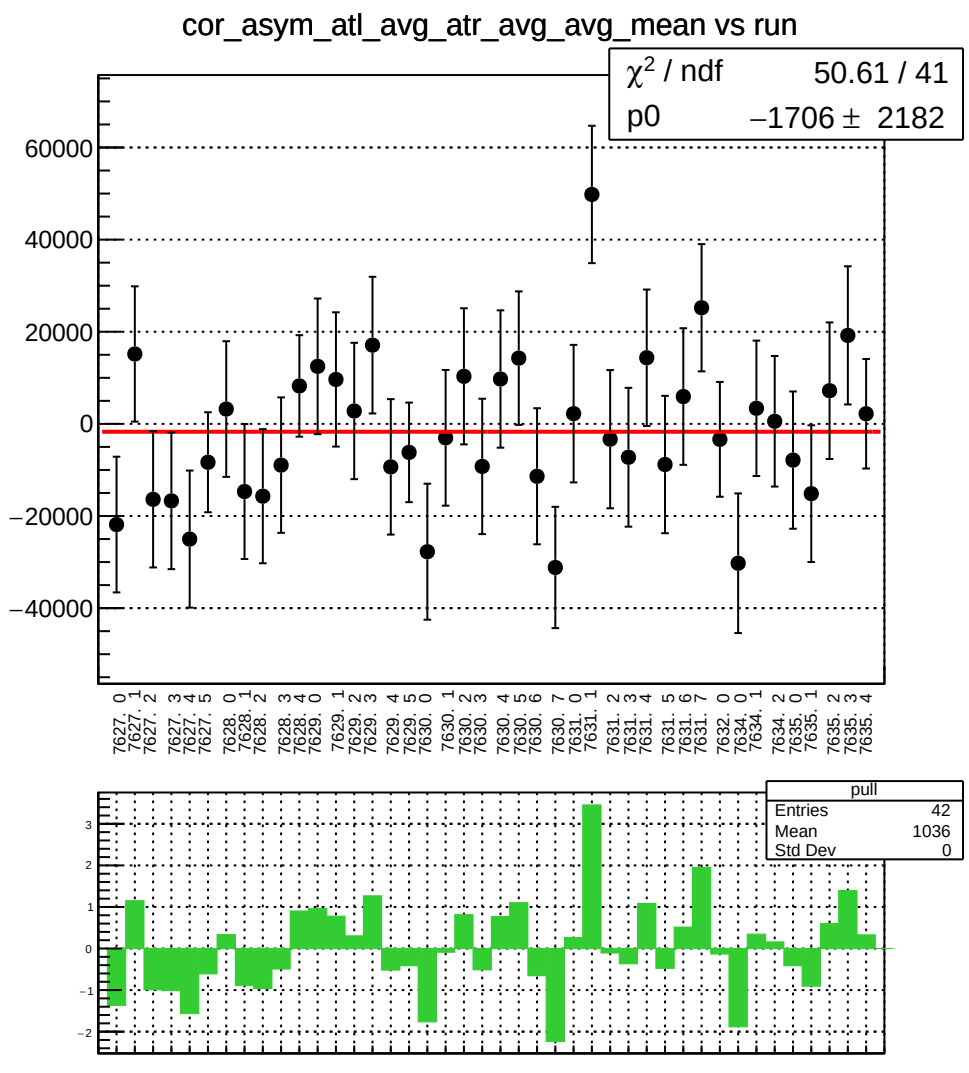

pull1D
Entries 42
Mean 0.002834
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

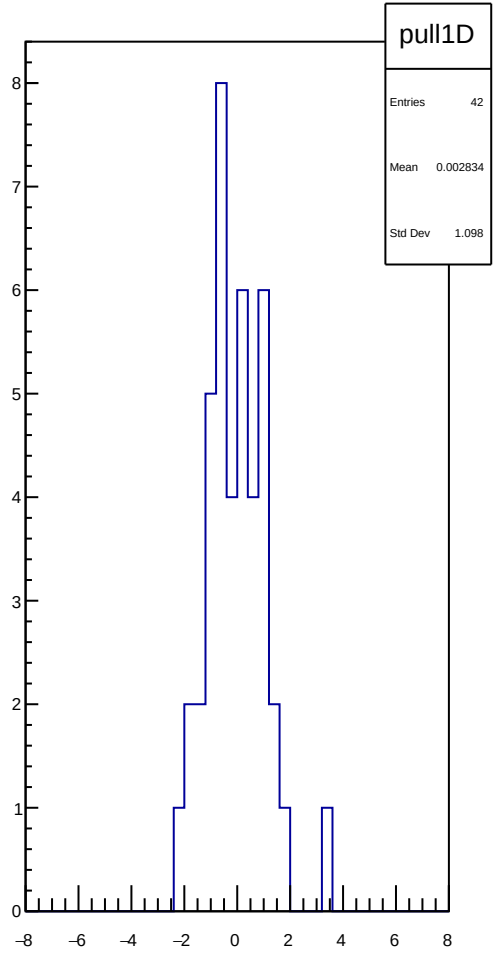

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 70.68 / 41
p0 1404 ± 1.543
1440
1420
1400
1380
1360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

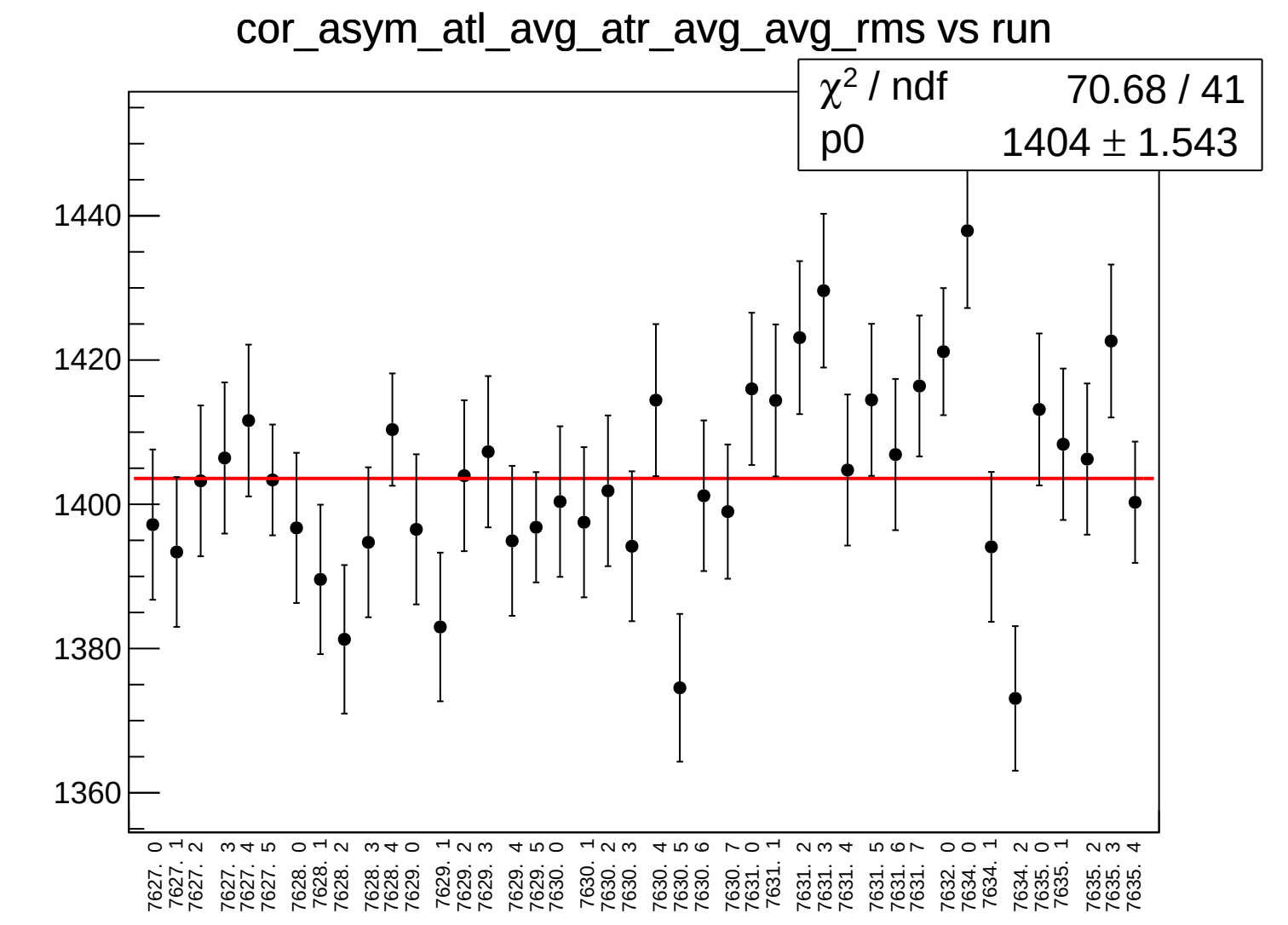

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 31.95 / 41
p0 2.73e+04 ± 1.127e+04
pull
Entries 42
Mean −4.287
Std Dev 0

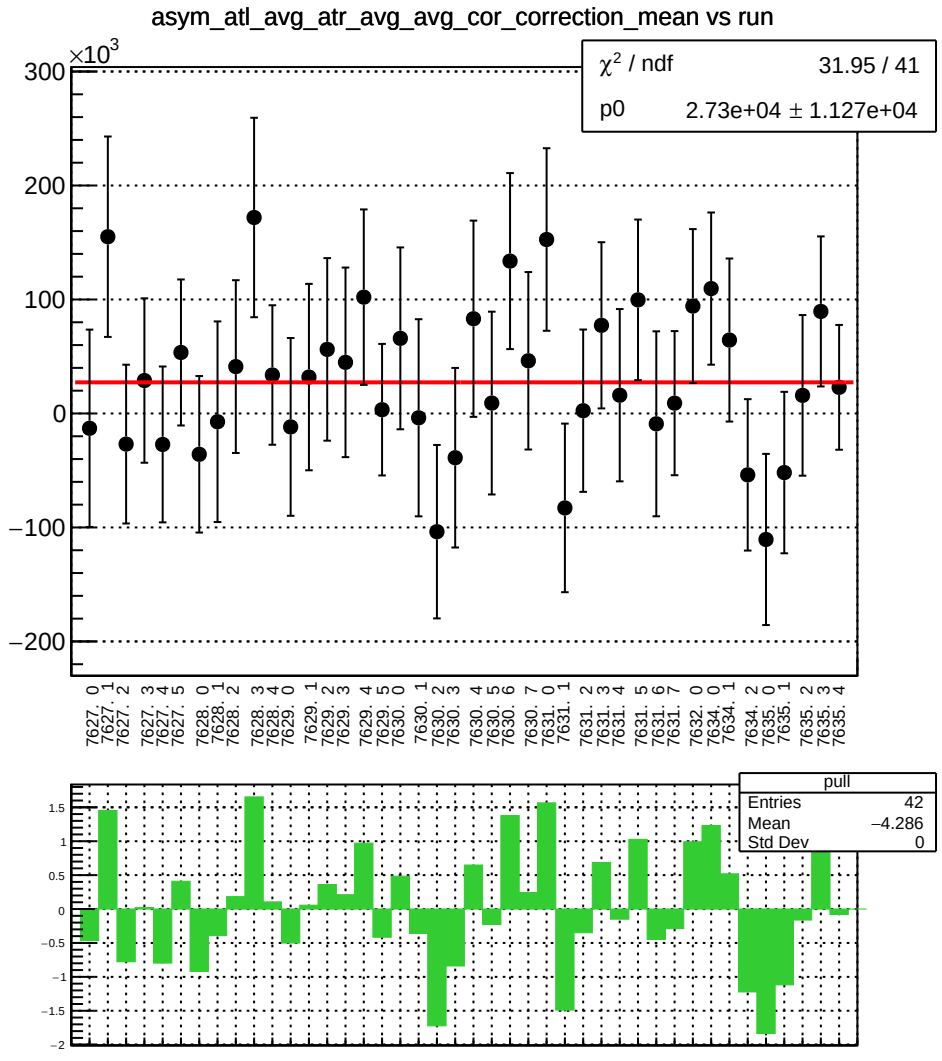

pull1D
Entries 42
Mean 0.01395
Std Dev 0.8721

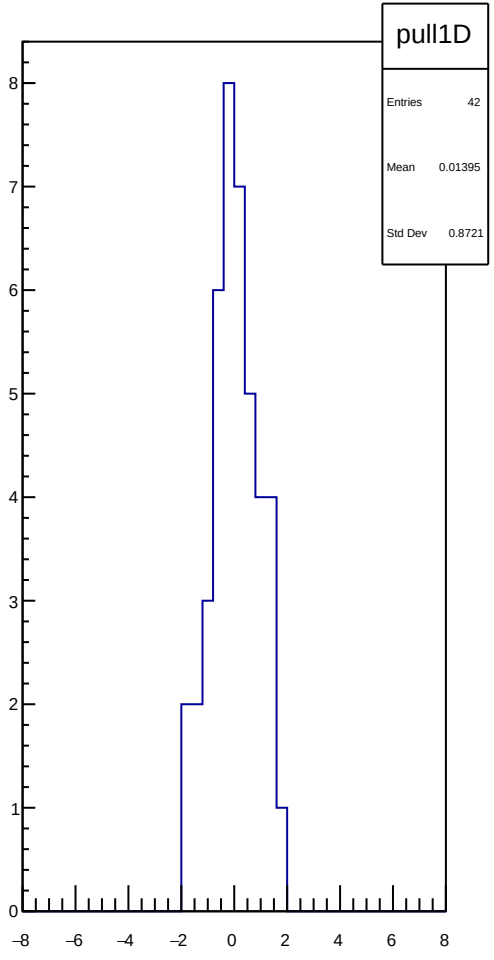

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 6406 / 41
p0 7222 ± 7.968
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

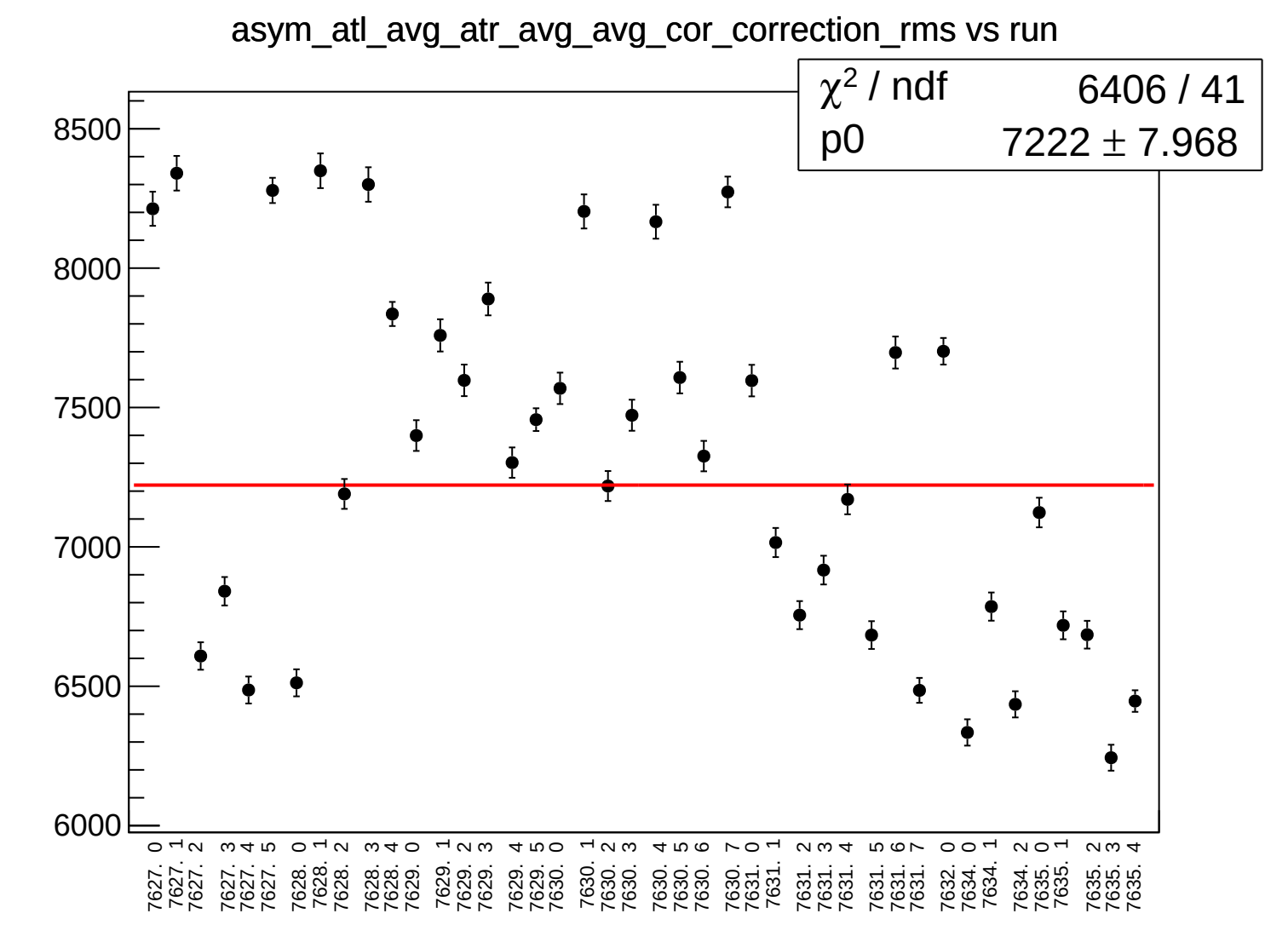

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.61 / 41
p0 −1706 ± 2182
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1036
Std Dev 0
3
2
1
0
−1
−2

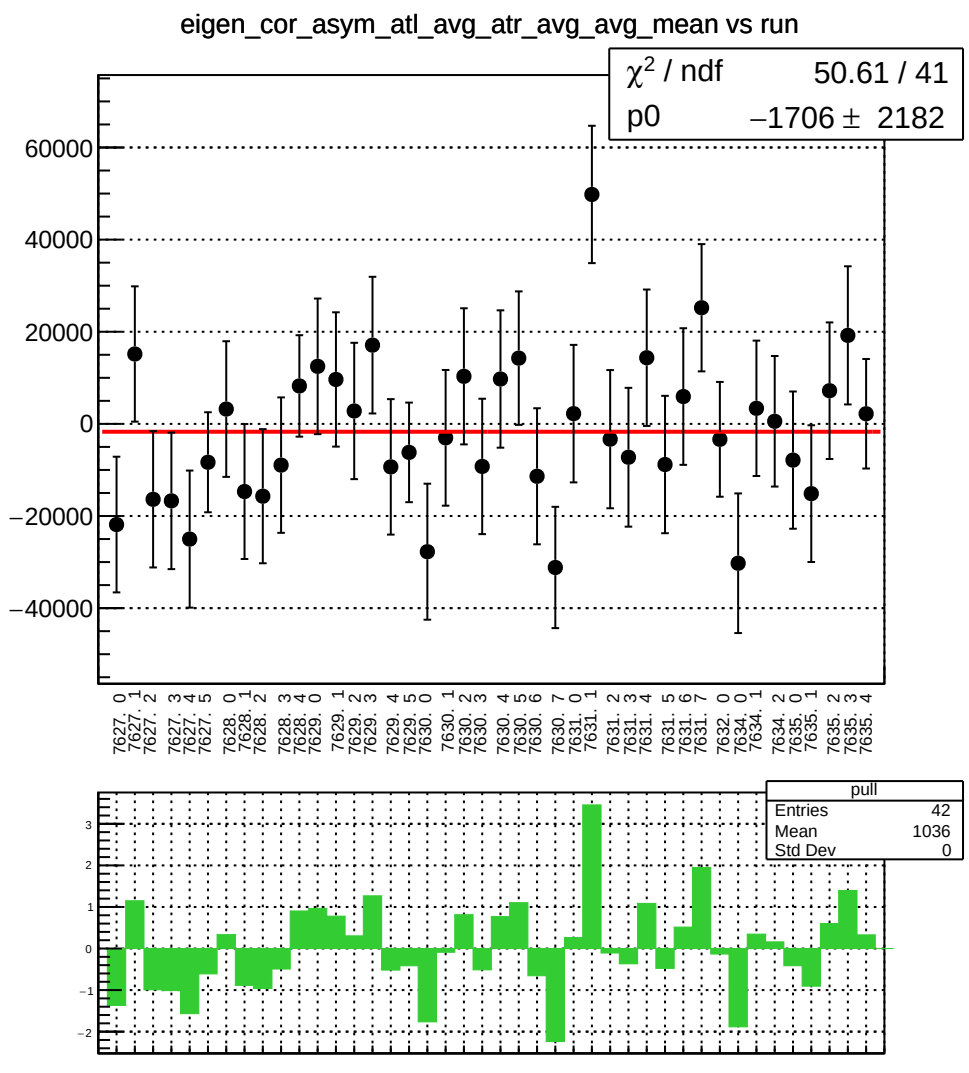

pull1D
Entries 42
Mean 0.002834
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

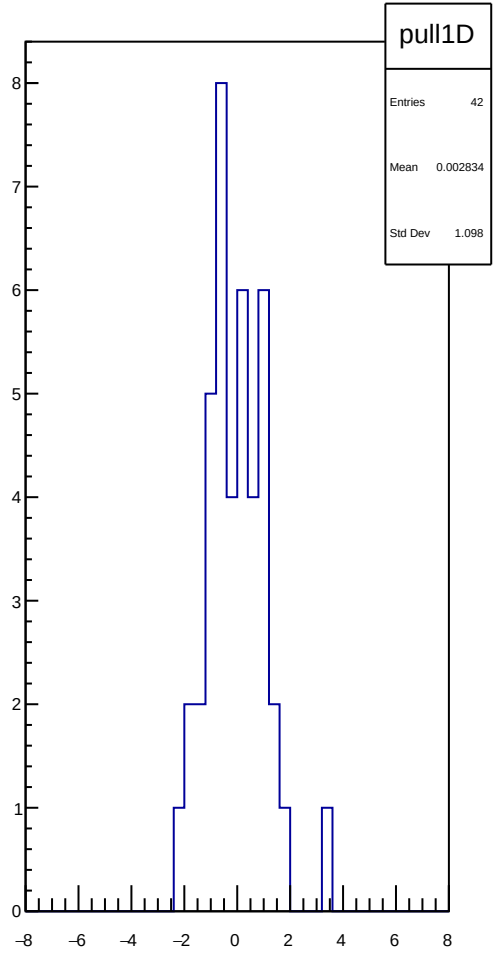

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 70.68 / 41
p0 1404 ± 1.543
1440
1420
1400
1380
1360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

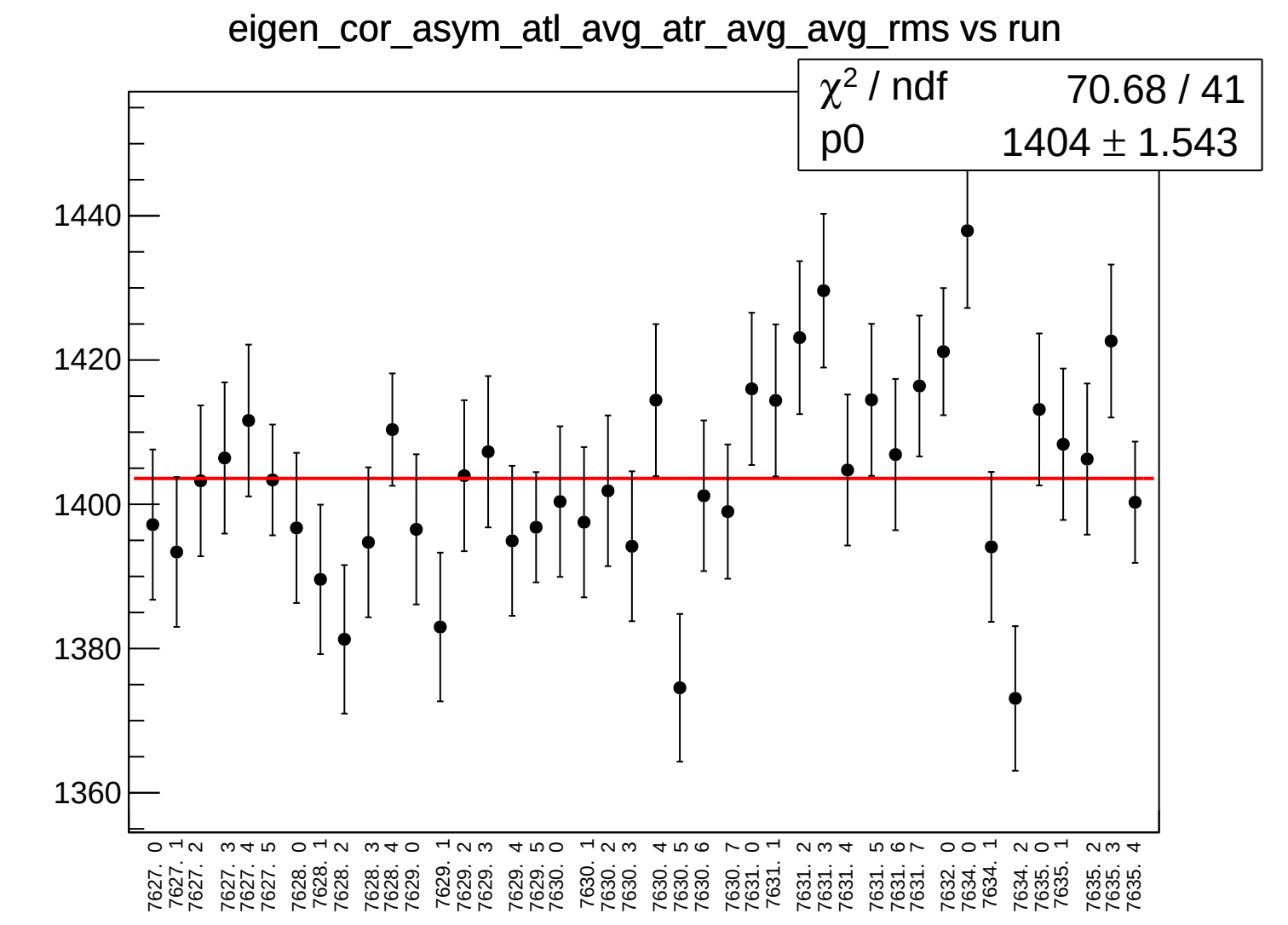

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 31.95 / 41
p0 2.73e+04 ± 1.127e+04
pull
Entries 42
Mean −4.286
Std Dev 0

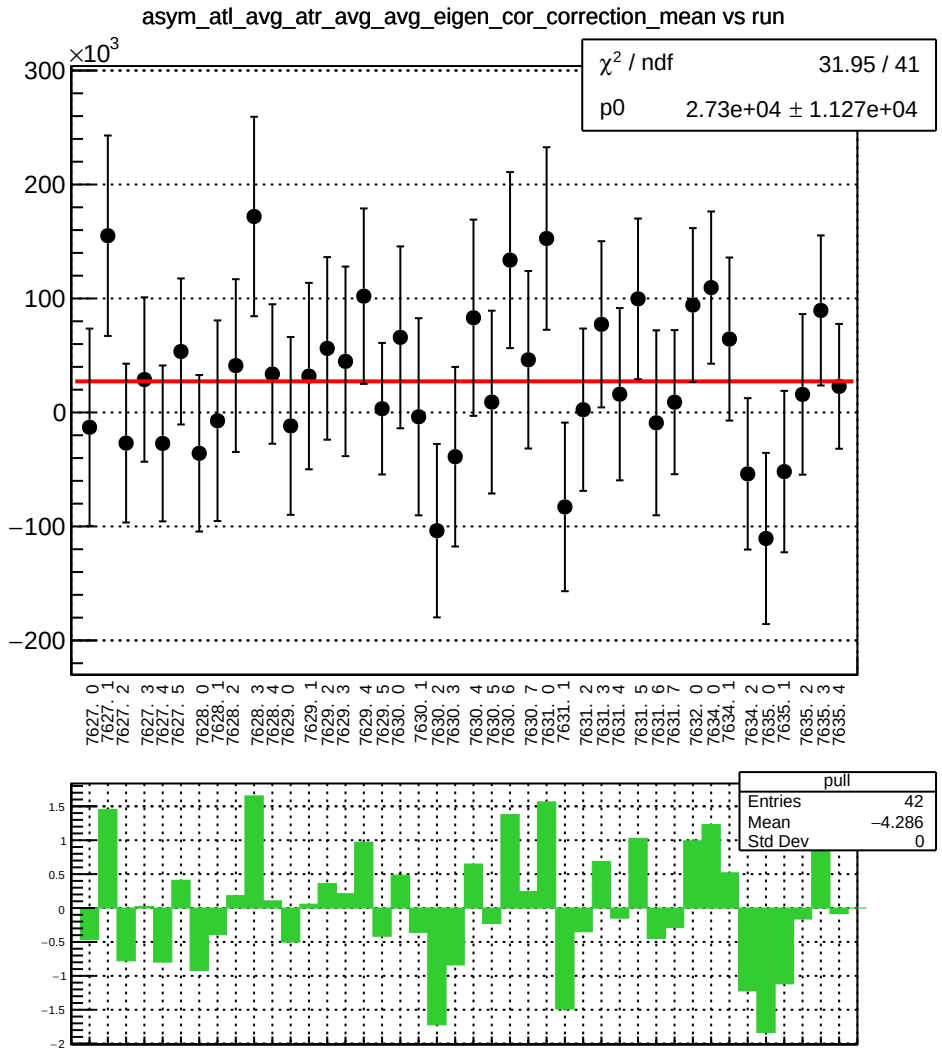

pull1D
Entries 42
Mean 0.01395
Std Dev 0.8721

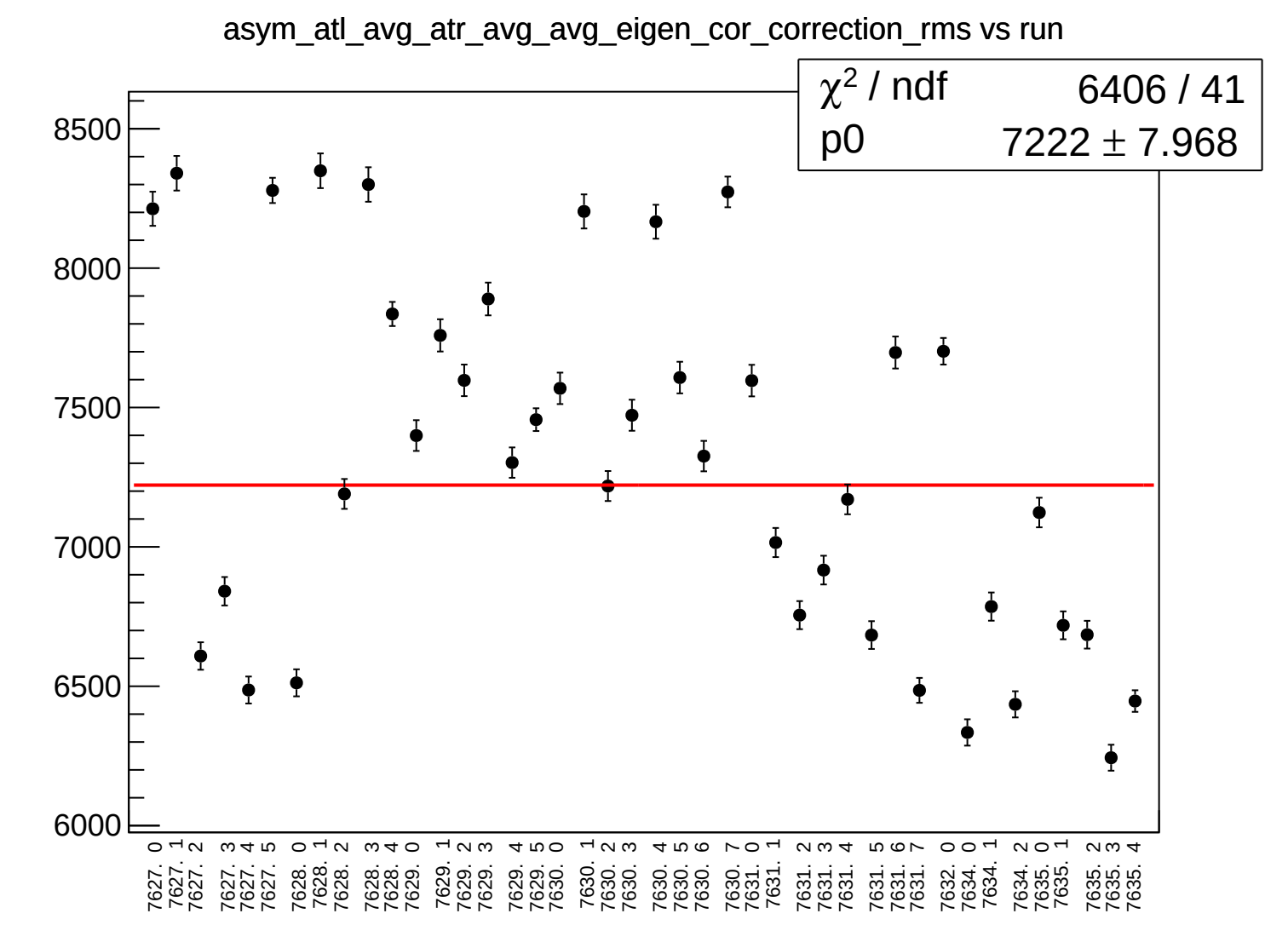

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 6406 / 41
p0 7222 ± 7.968
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

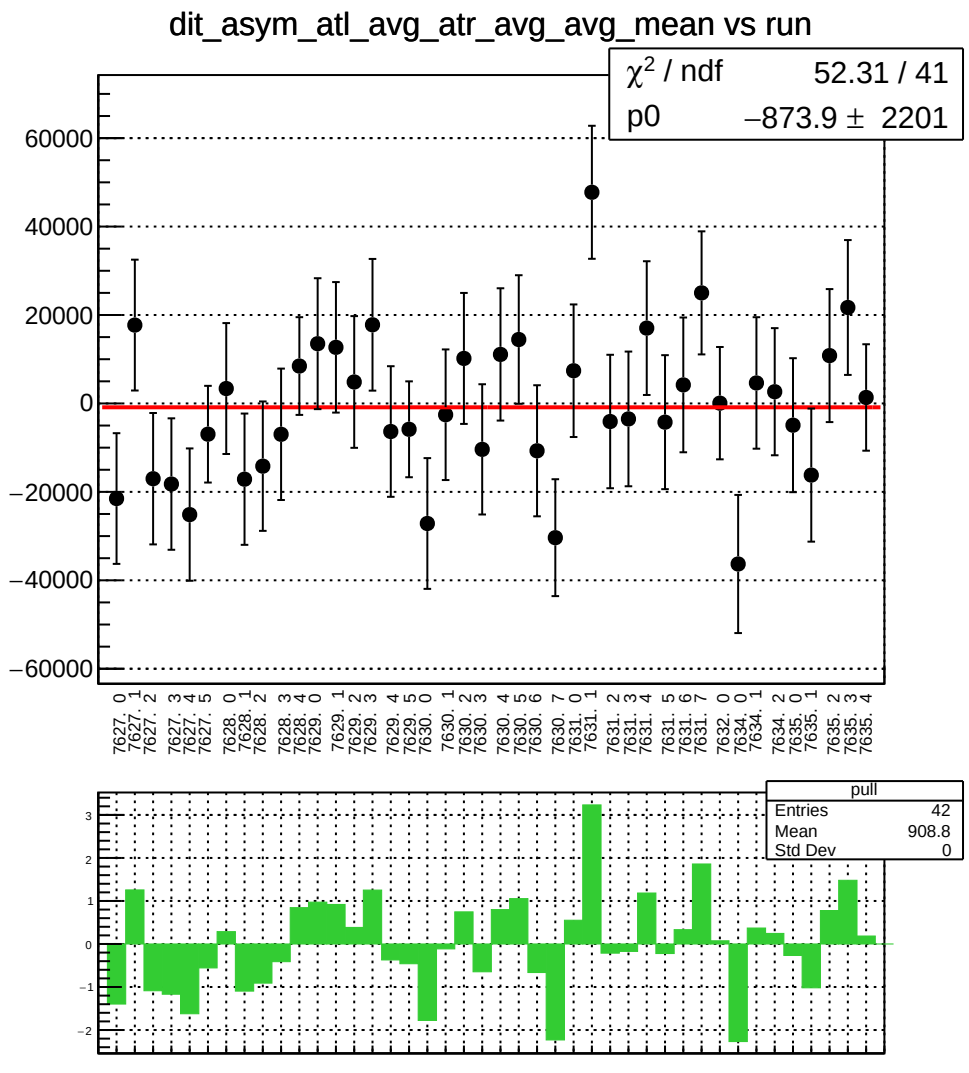

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.61 / 41
p0 −1706 ± 2182
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1036
Std Dev 0
3
2
1
0
−1
−2

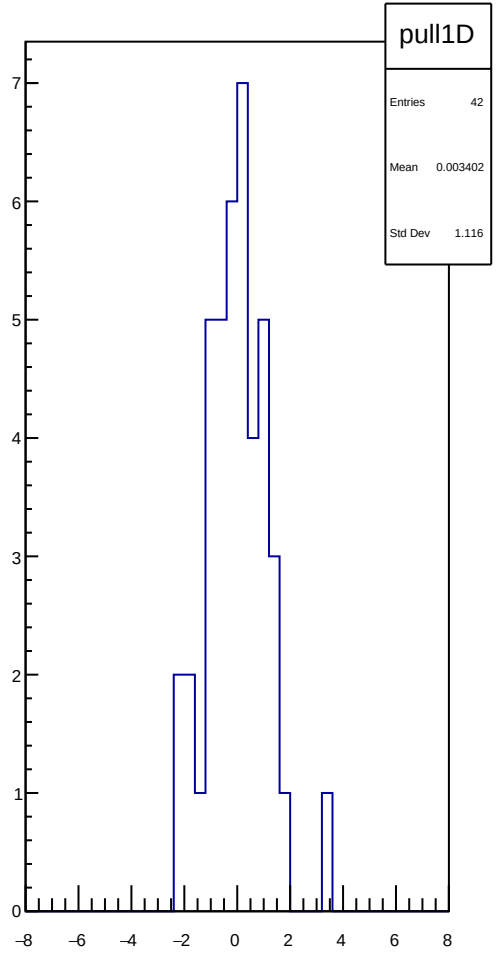

pull1D
Entries 42
Mean 0.002834
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

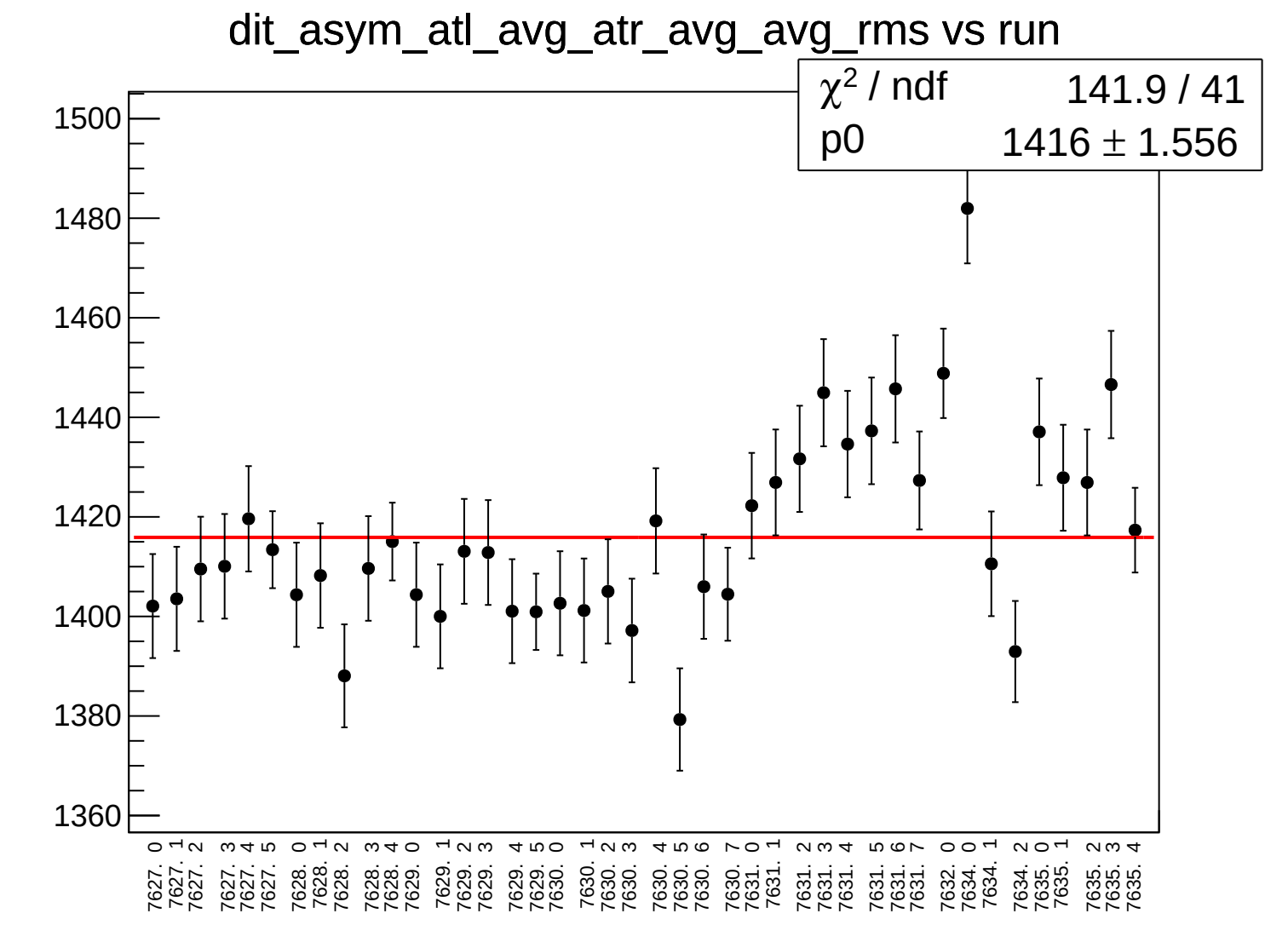

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 70.68 / 41
p0 1404 ± 1.543
1440
1420
1400
1380
1360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

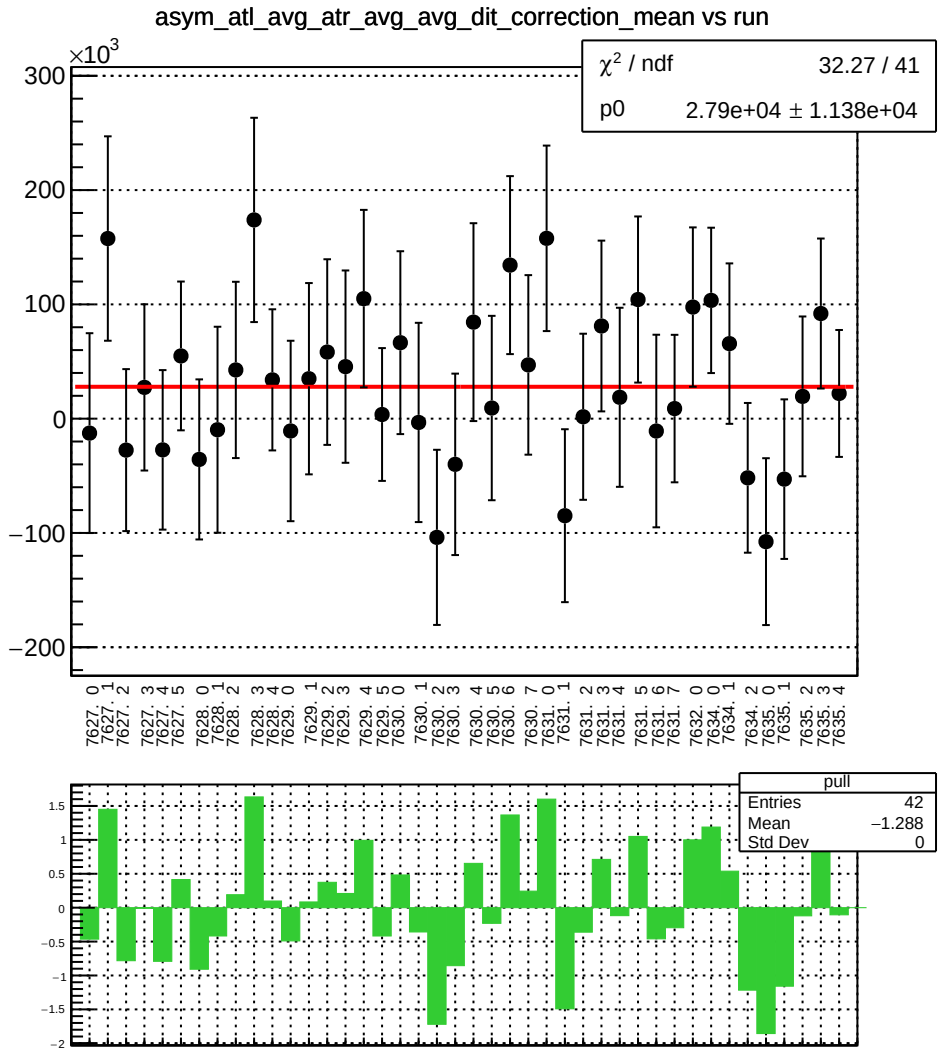

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.95 / 41
p0 2.73e+04 ± 1.127e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4.286
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01395
Std Dev 0.8721
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

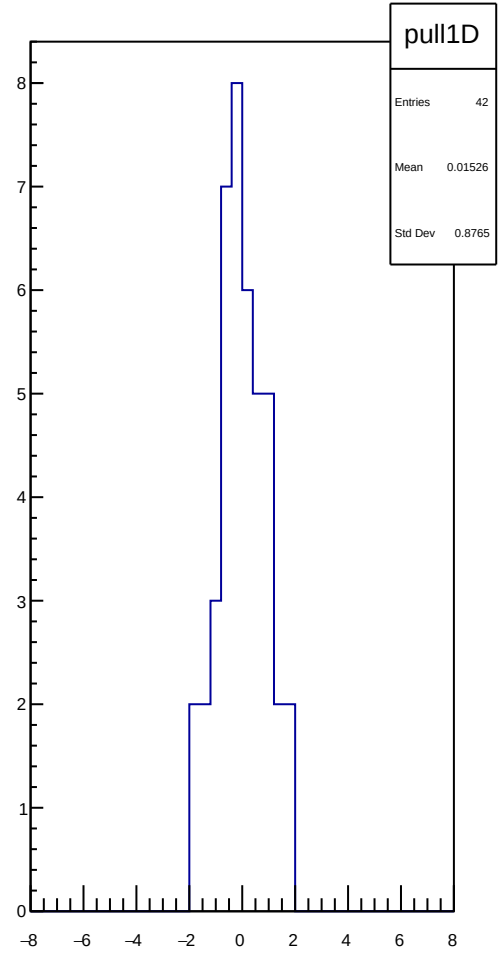

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 6406 / 41
p0 7222 ± 7.968
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

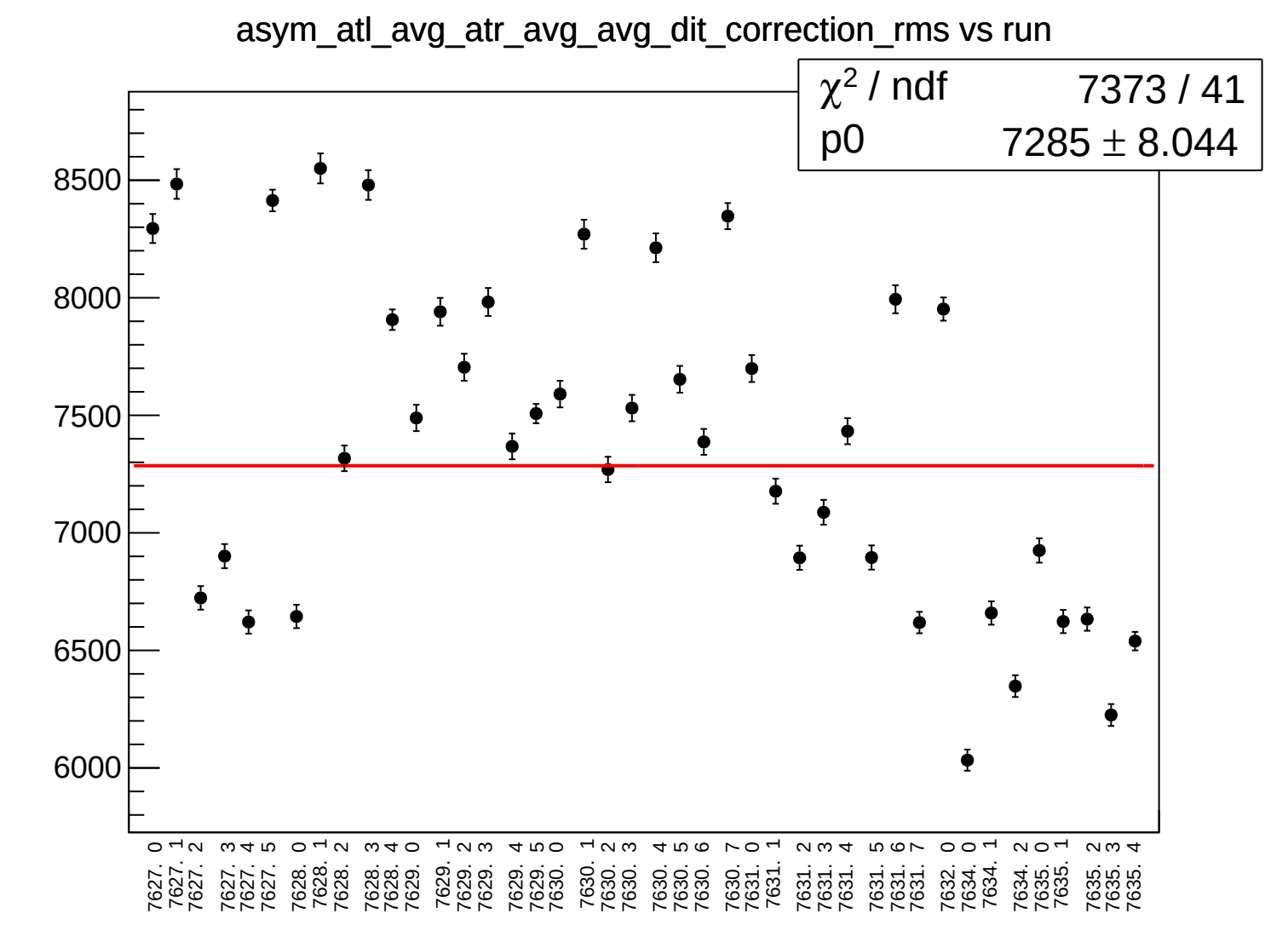

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 52.31 / 41
p0 −873.9 ± 2201
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 908.8
Std Dev 0
3
2
1
0
−1
−2

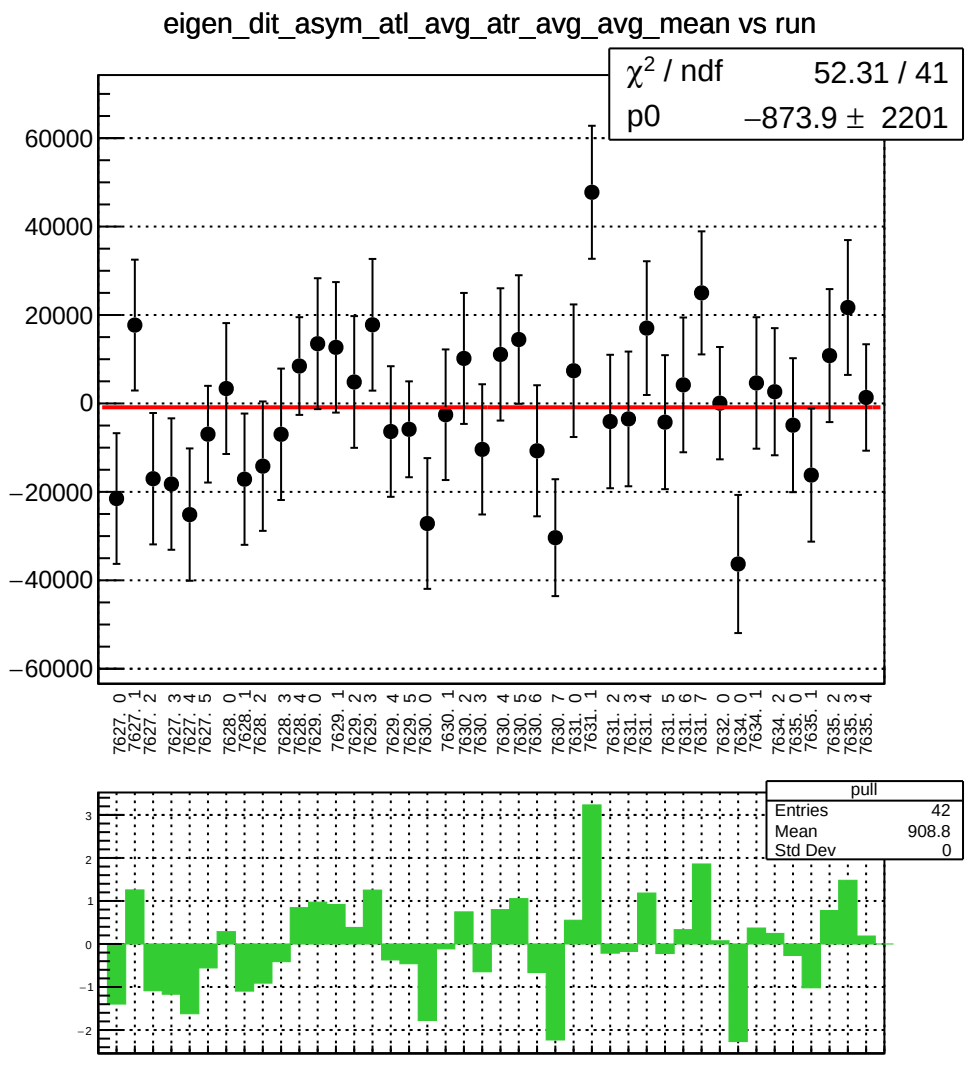

pull1D
Entries 42
Mean 0.003402
Std Dev 1.116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

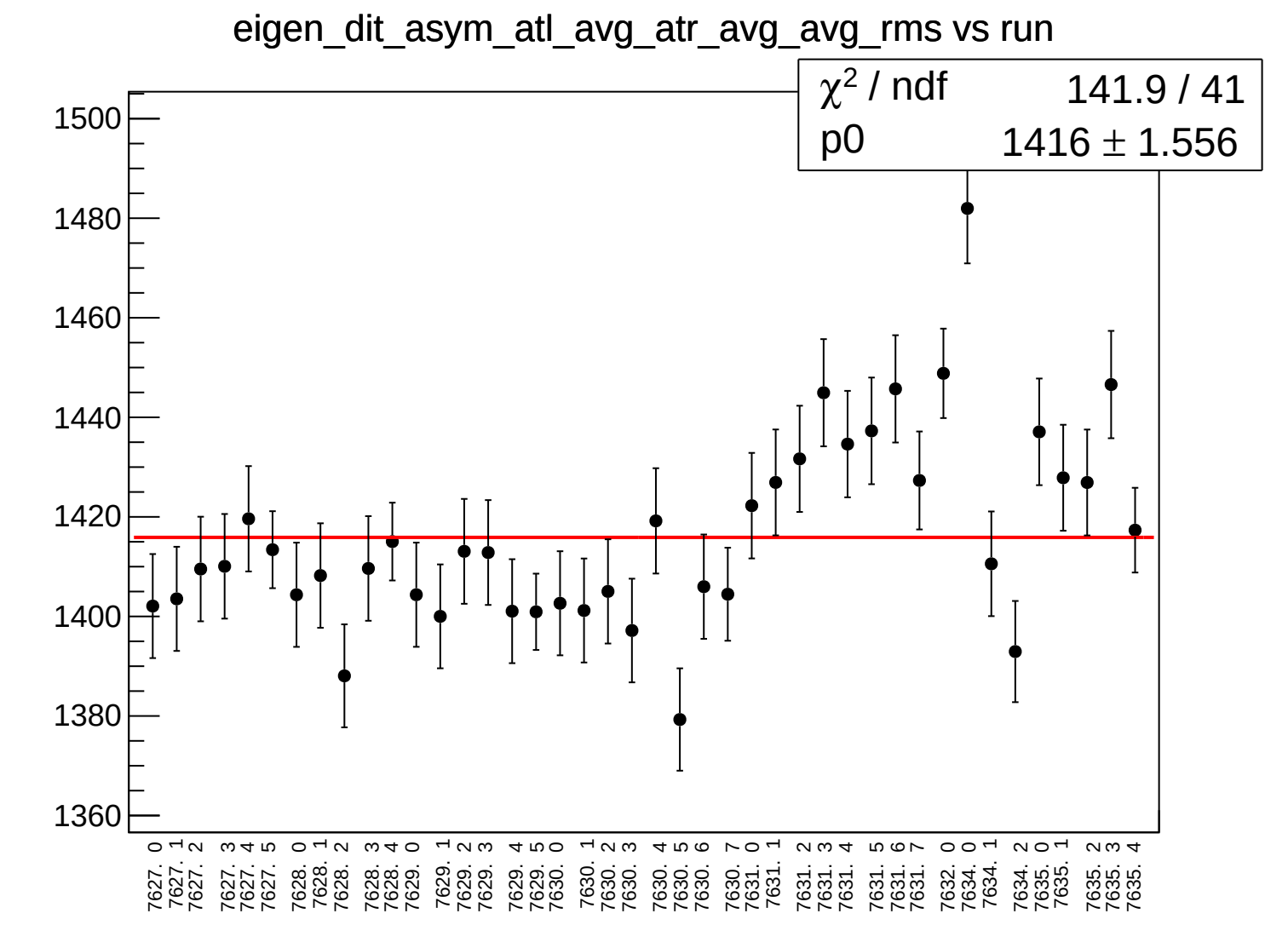

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 141.9 / 41
p0 1416 ± 1.556
1500
1480
1460
1440
1420
1400
1380
1360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

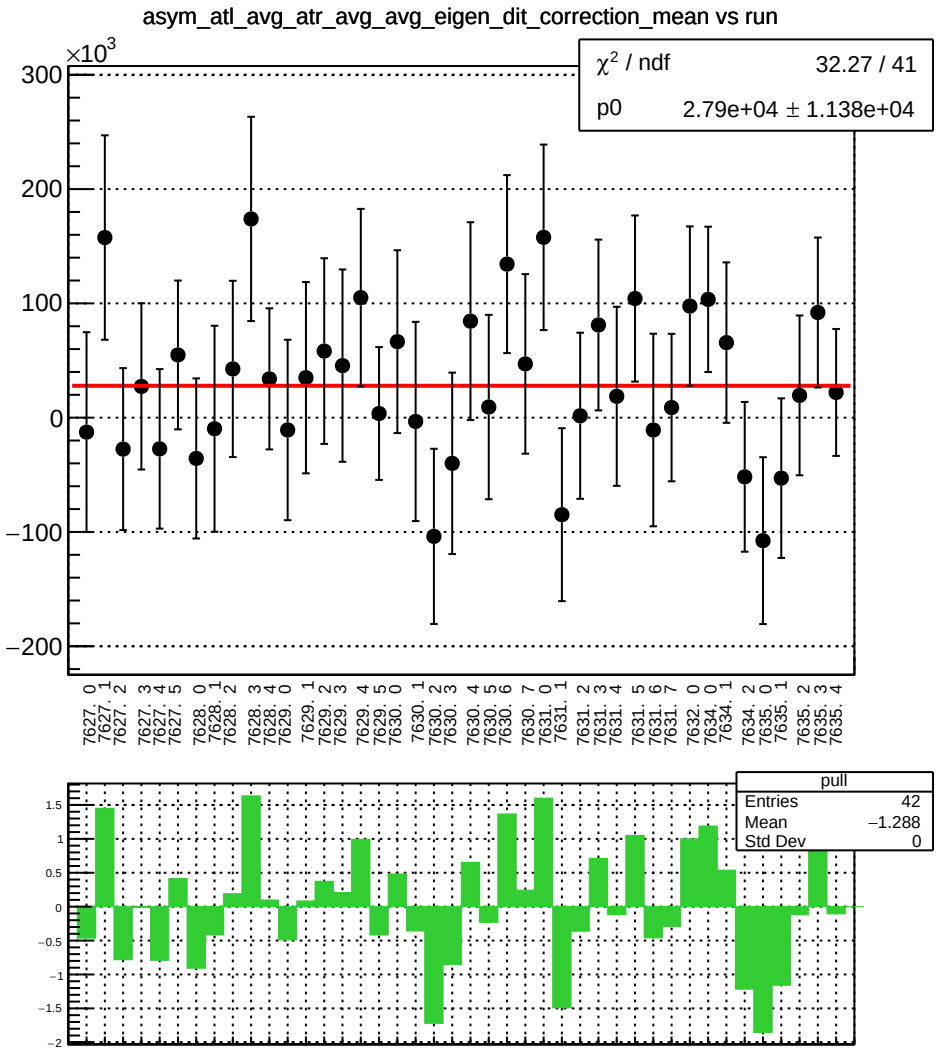

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.27 / 41
p0 2.79e+04 ± 1.138e+04
pull
Entries 42
Mean −1.288
Std Dev 0

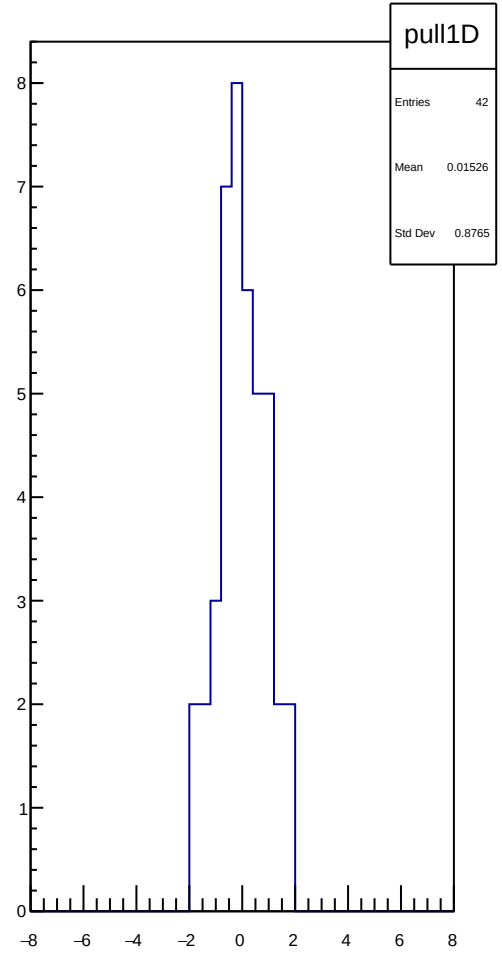

pull1D
Entries 42
Mean 0.01526
Std Dev 0.8765

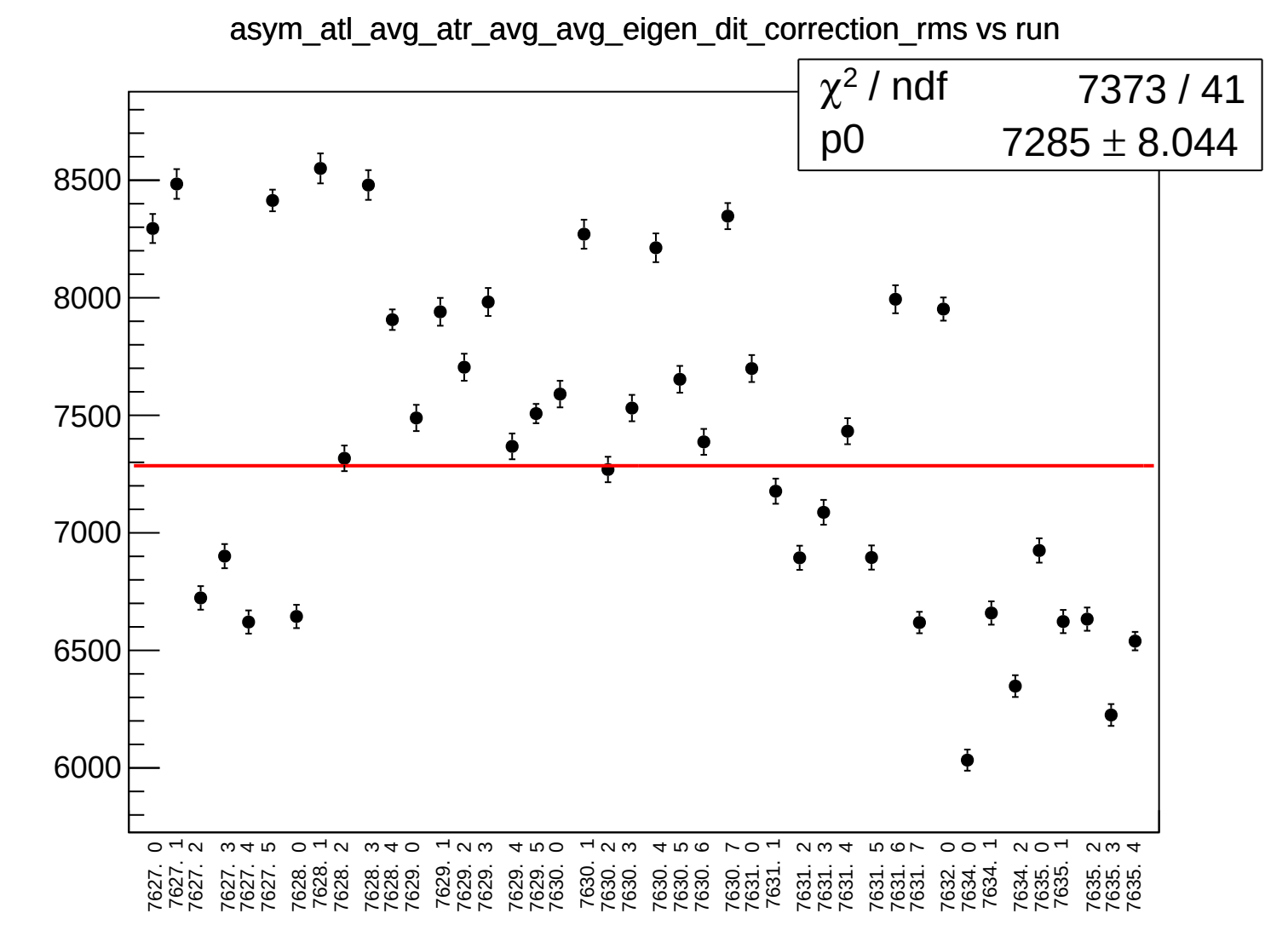

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 7373 / 41
p0 7285 ± 8.044
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

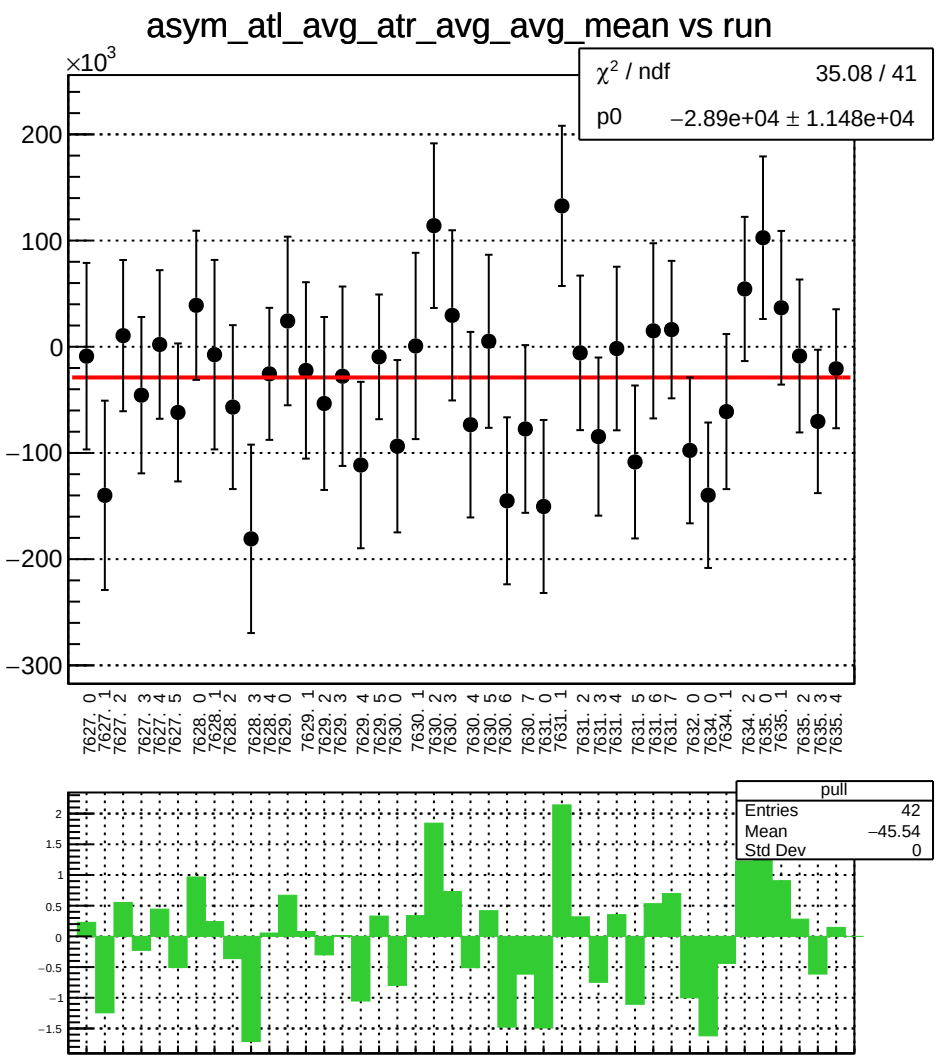

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 52.31 / 41
p0 −873.9 ± 2201
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 908.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.003402
Std Dev 1.116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

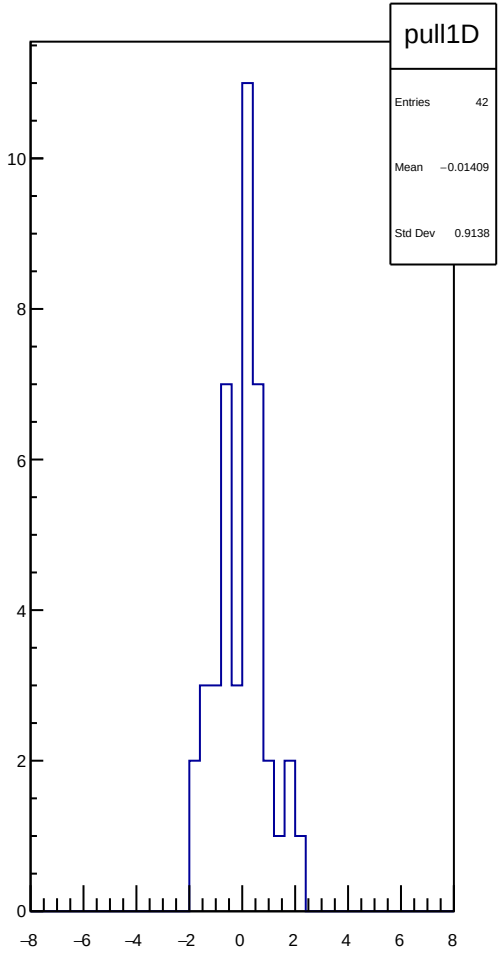

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 141.9 / 41
p0 1416 ± 1.556
1500
1480
1460
1440
1420
1400
1380
1360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

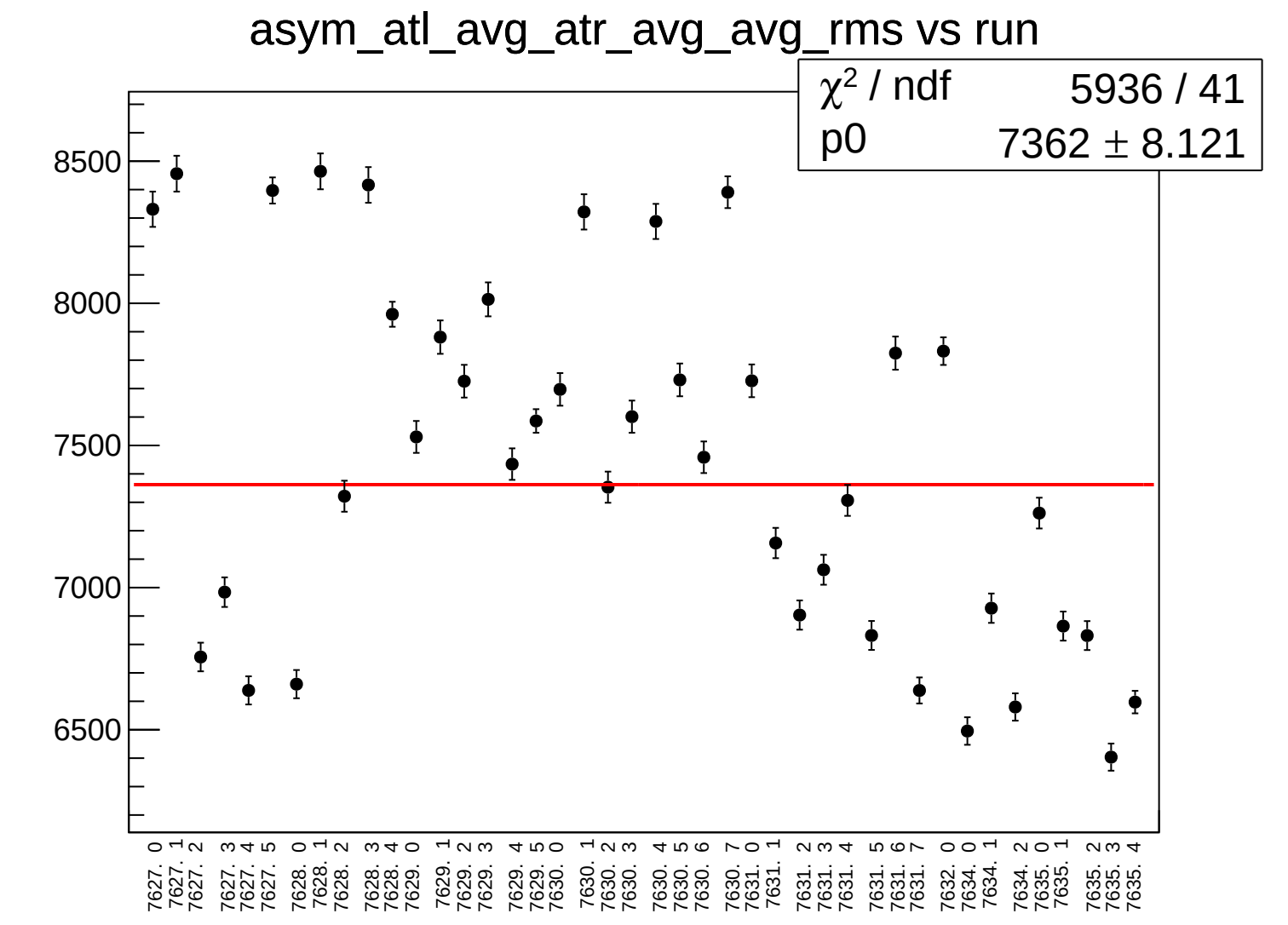

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.27 / 41
p0 2.79e+04 ± 1.138e+04
pull
Entries 42
Mean −1.288
Std Dev 0

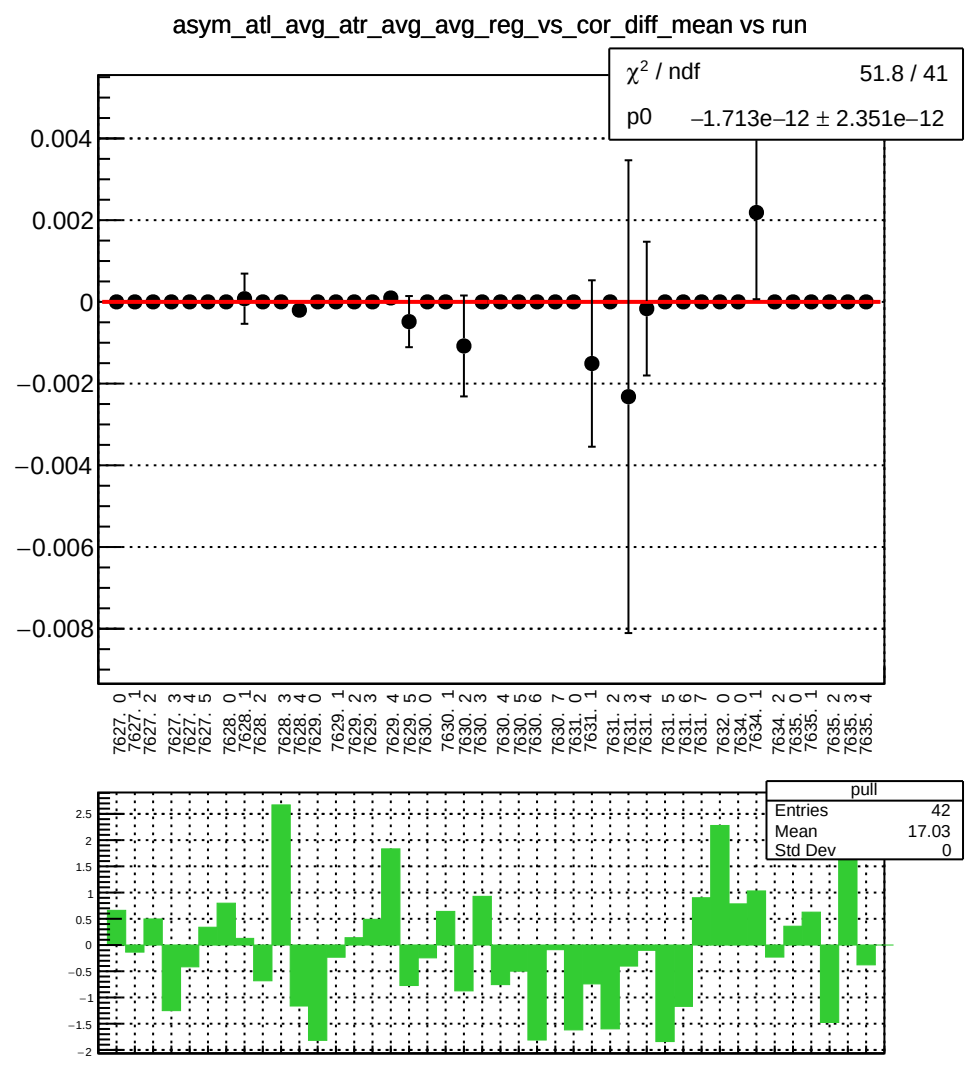

pull1D
Entries 42
Mean 0.01526
Std Dev 0.8765

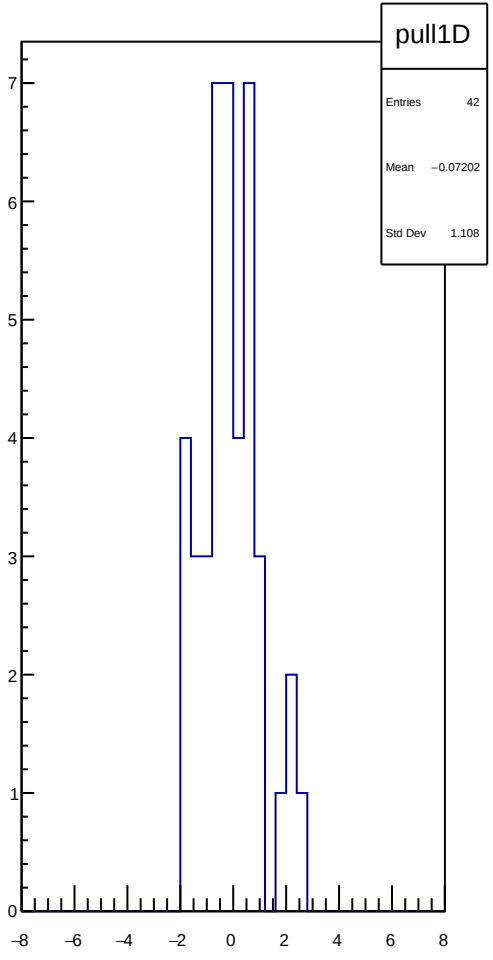

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7373 / 41
p0 7285 ± 8.044
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

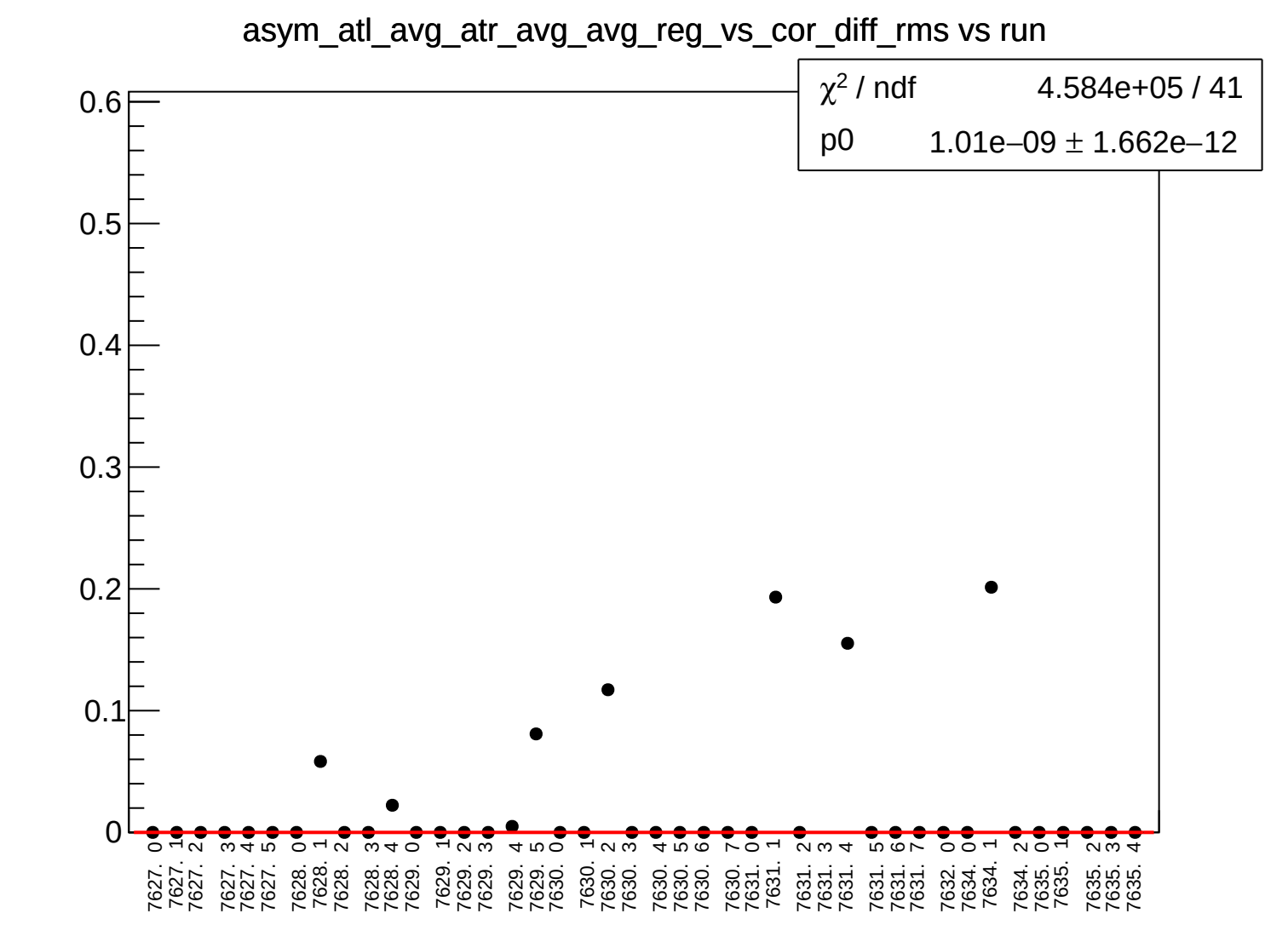

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 35.08 / 41
p0 −2.89e+04 ± 1.148e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −45.54
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

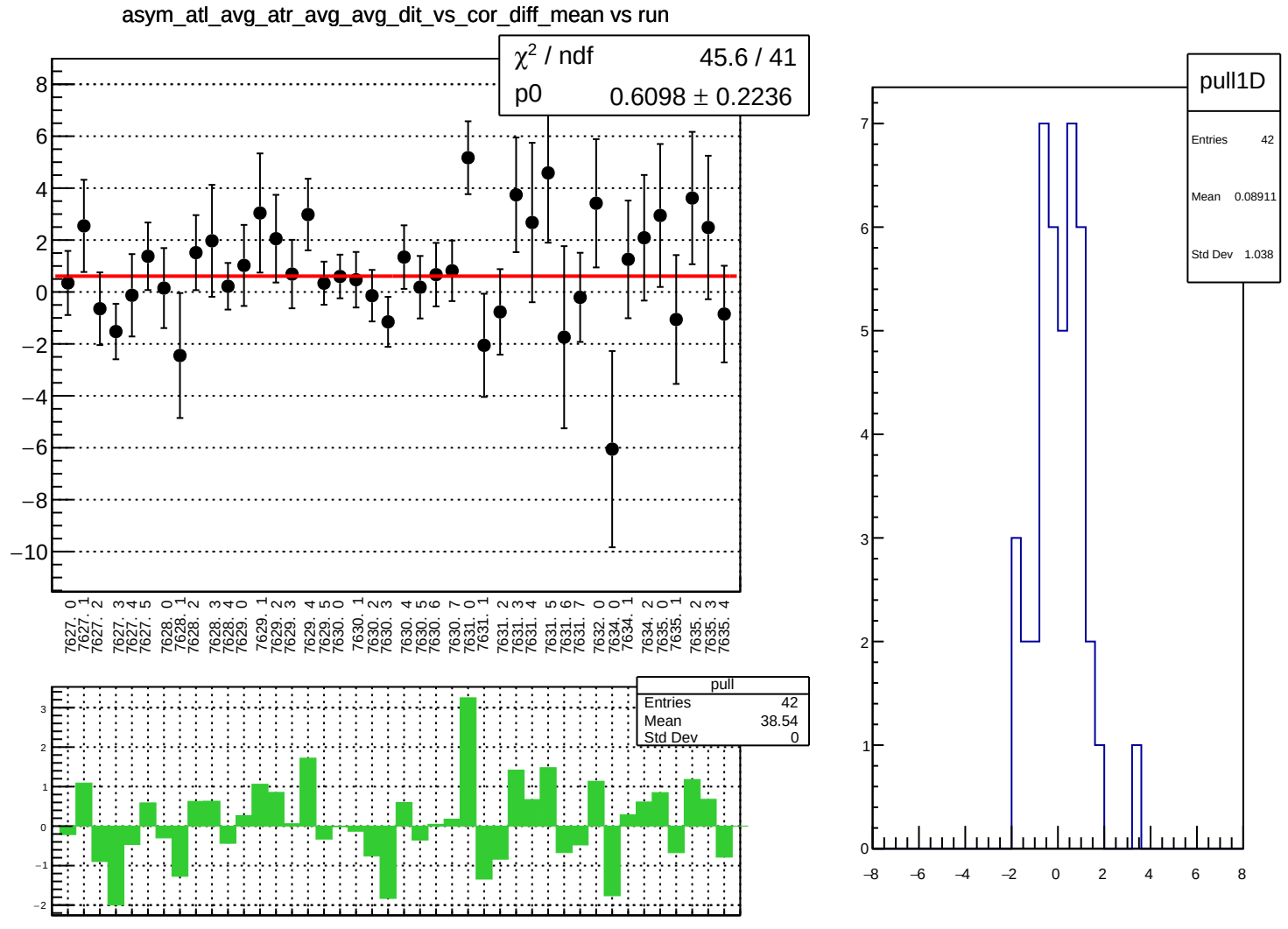

pull1D
Entries 42
Mean −0.01409
Std Dev 0.9138
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

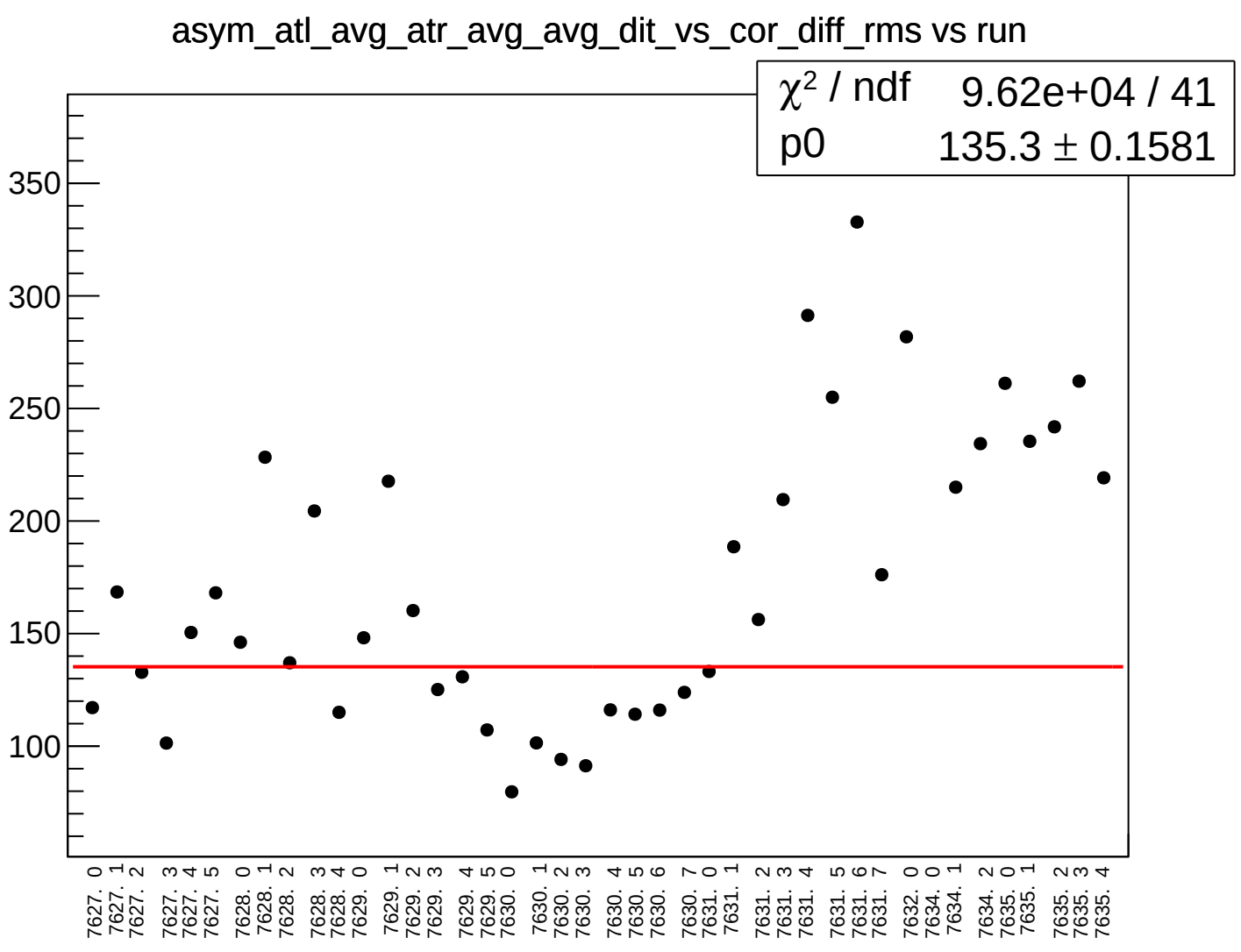

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5936 / 41
p0 7362 ± 8.121
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

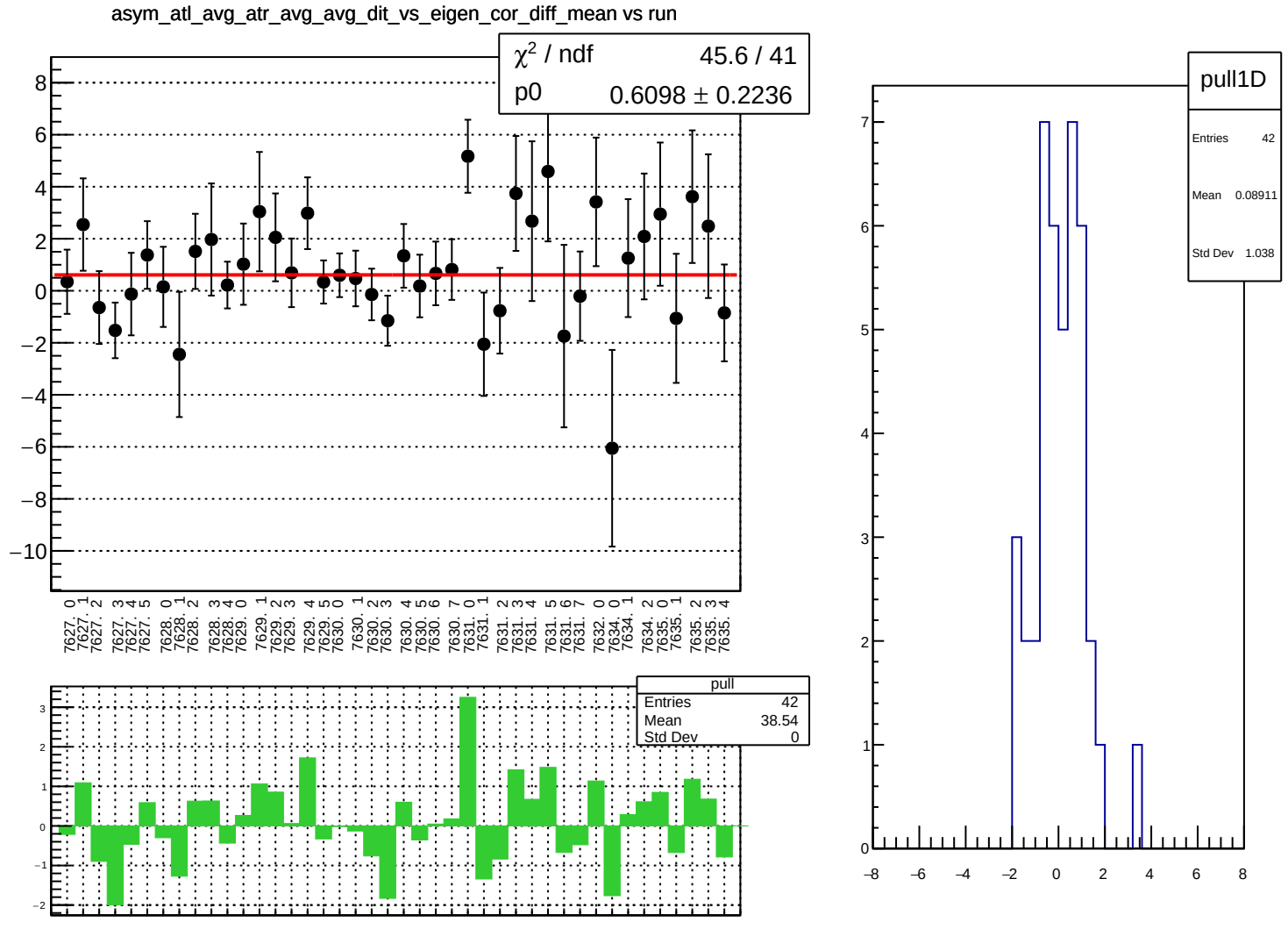

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.8 / 41
p0 −1.713e−12 ± 2.351e−12
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.03
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

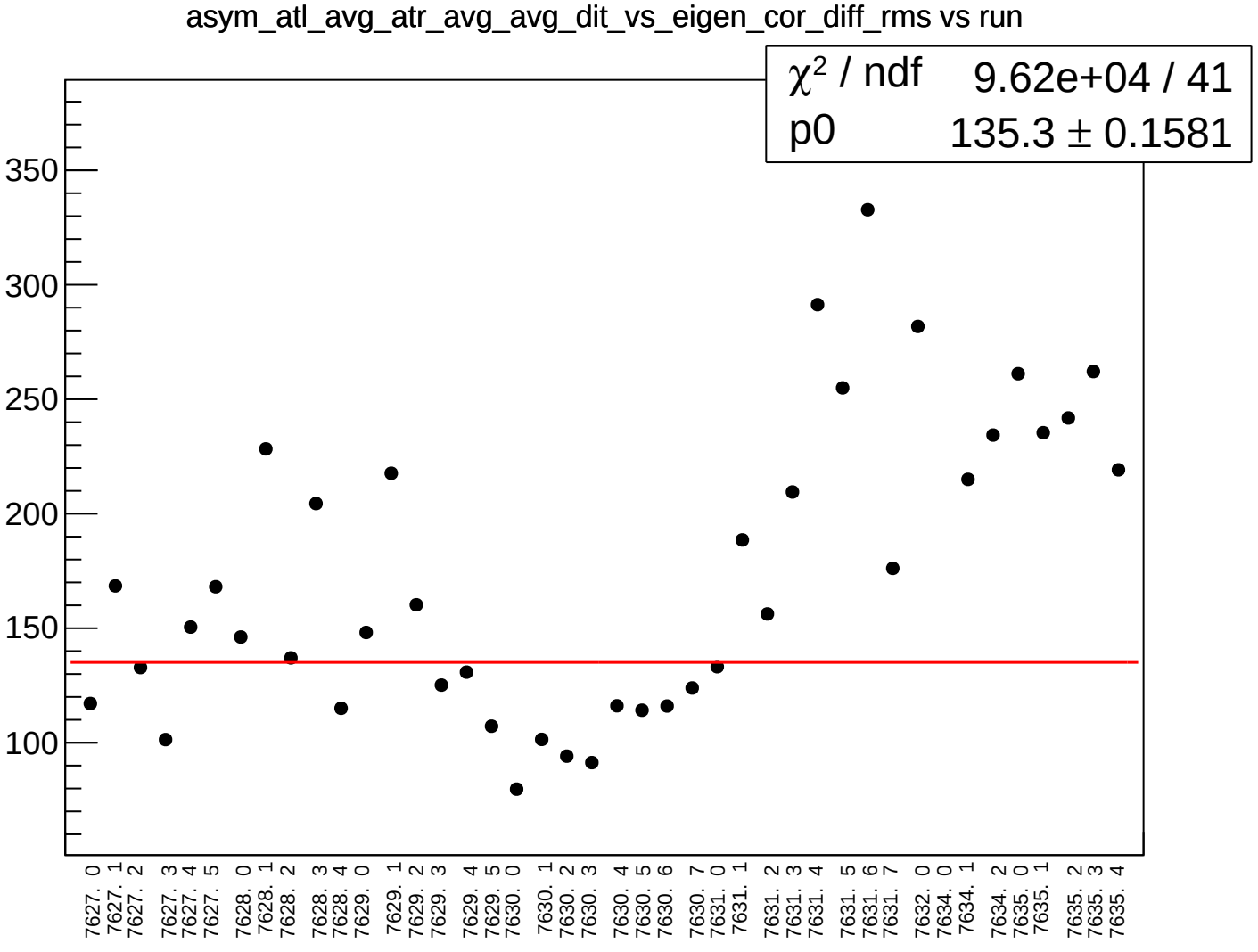

pull1D
Entries 42
Mean −0.07202
Std Dev 1.108
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

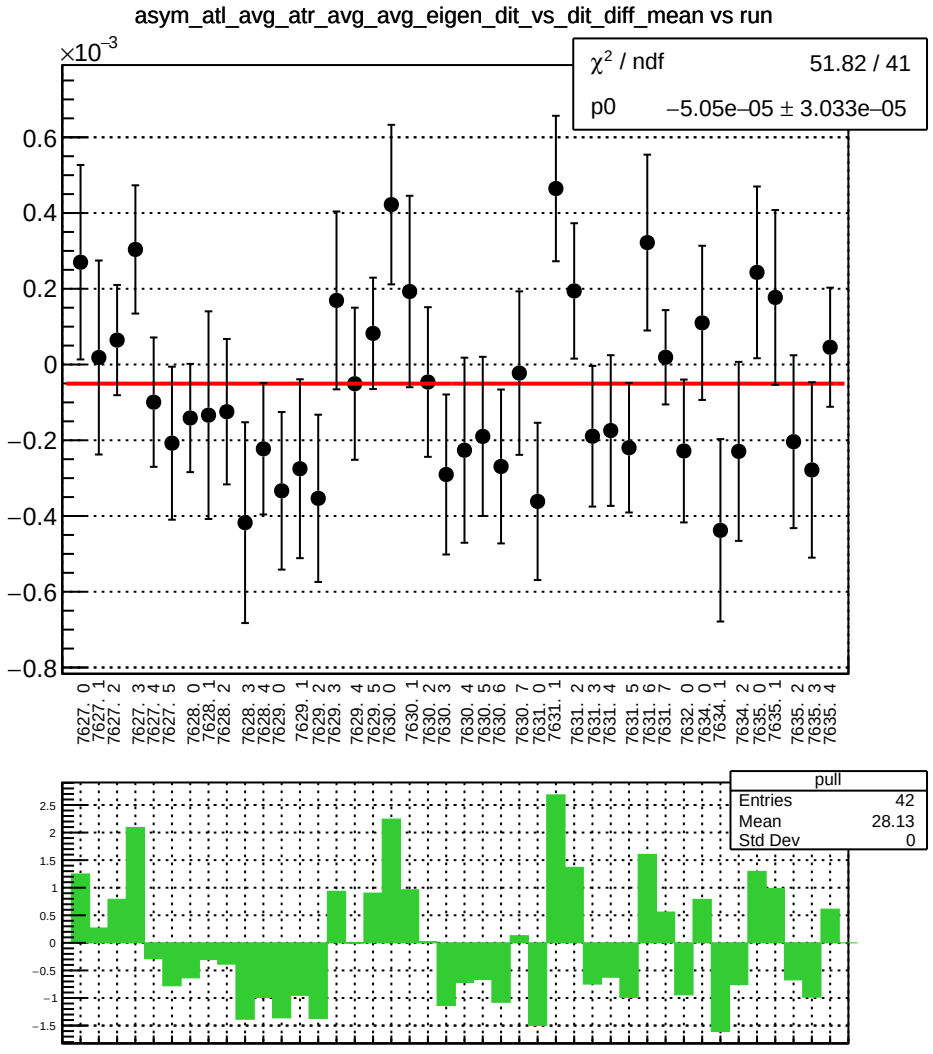

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.584e+05 / 41
p0 1.01e−09 ± 1.662e−12
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

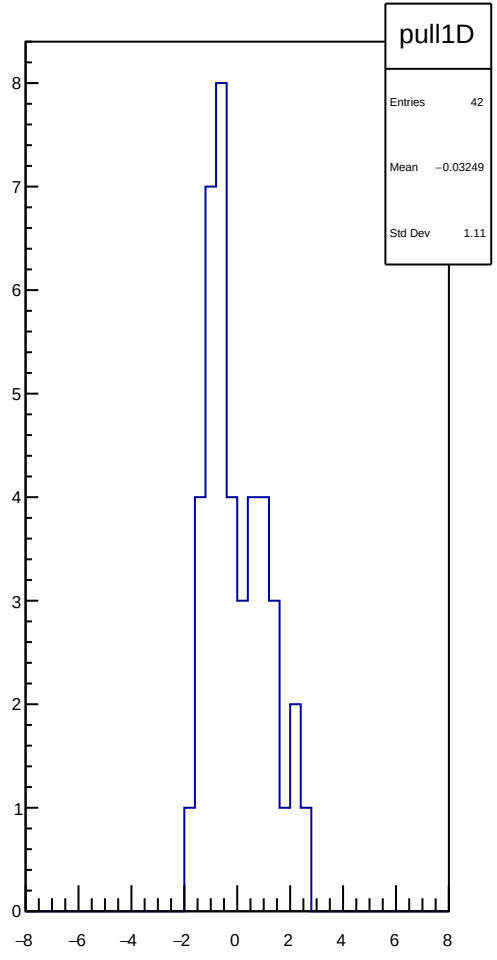

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.6 / 41
p0 0.6098 ± 0.2236
pull
Entries 42
Mean 38.54
Std Dev 0
pull1D
Entries 42
Mean 0.08911
Std Dev 1.038

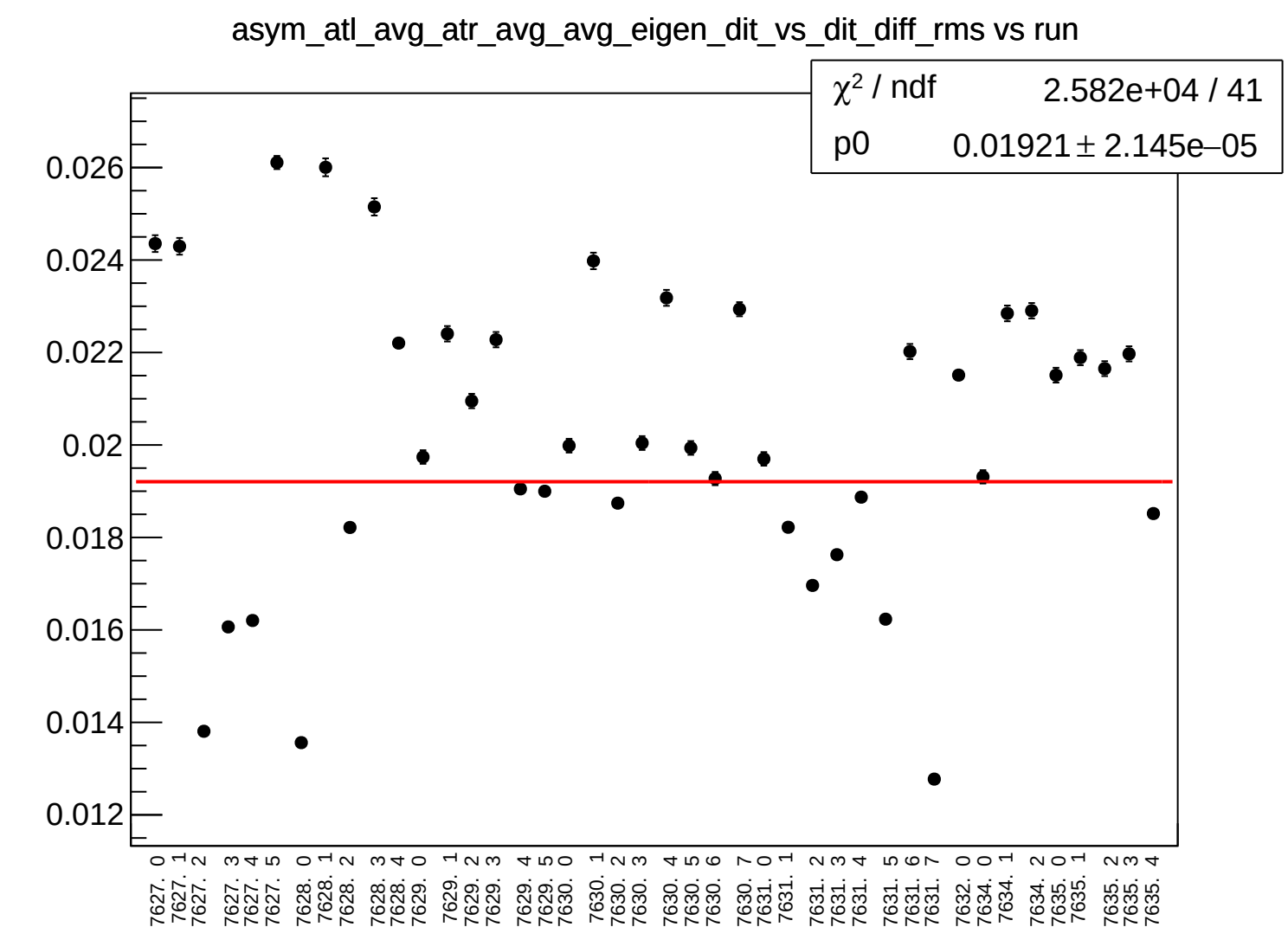

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.62e+04 / 41
p0 135.3 ± 0.1581
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

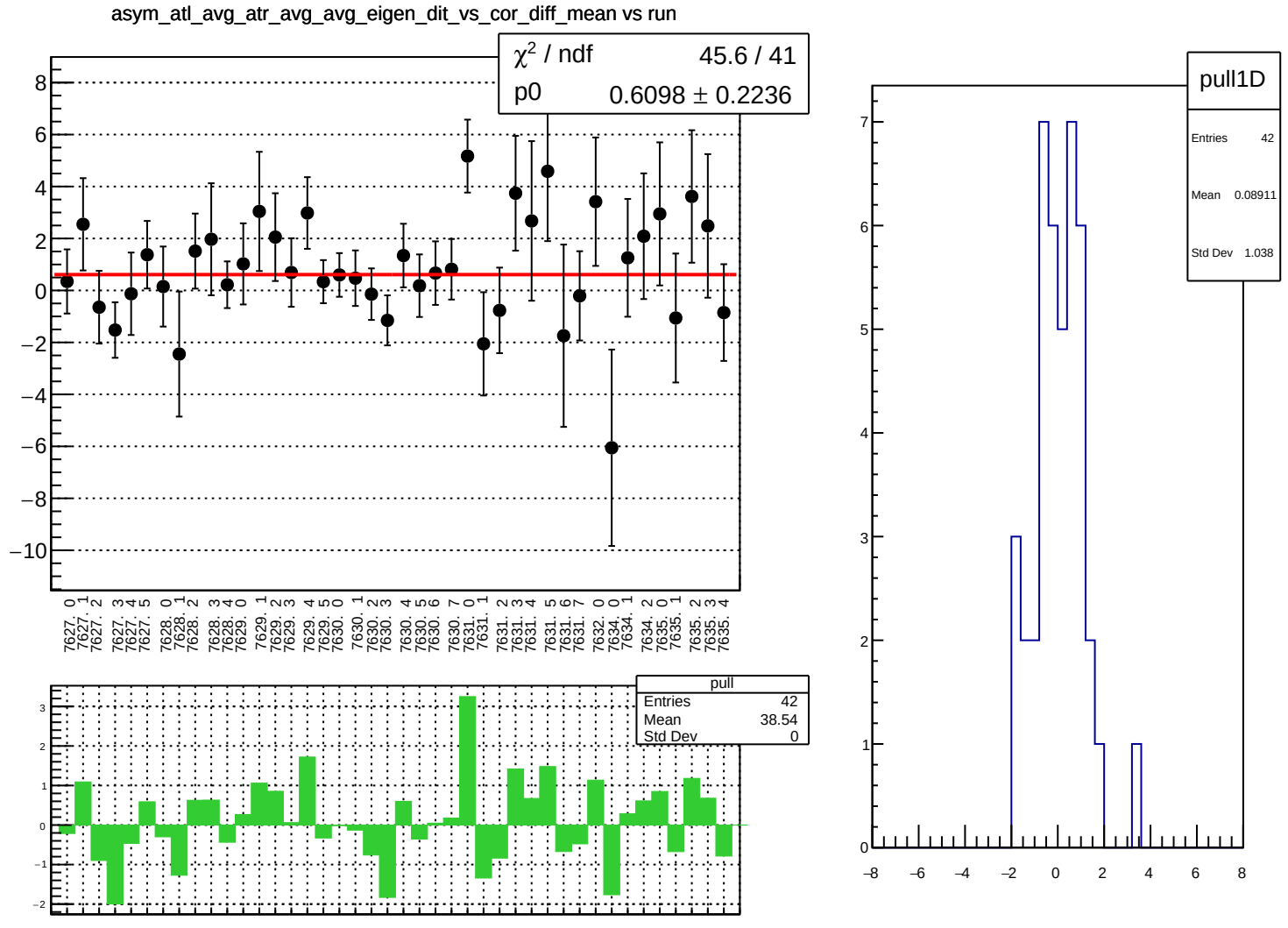

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.6 / 41
p0 0.6098 ± 0.2236
pull
Entries 42
Mean 38.54
Std Dev 0
pull1D
Entries 42
Mean 0.08911
Std Dev 1.038

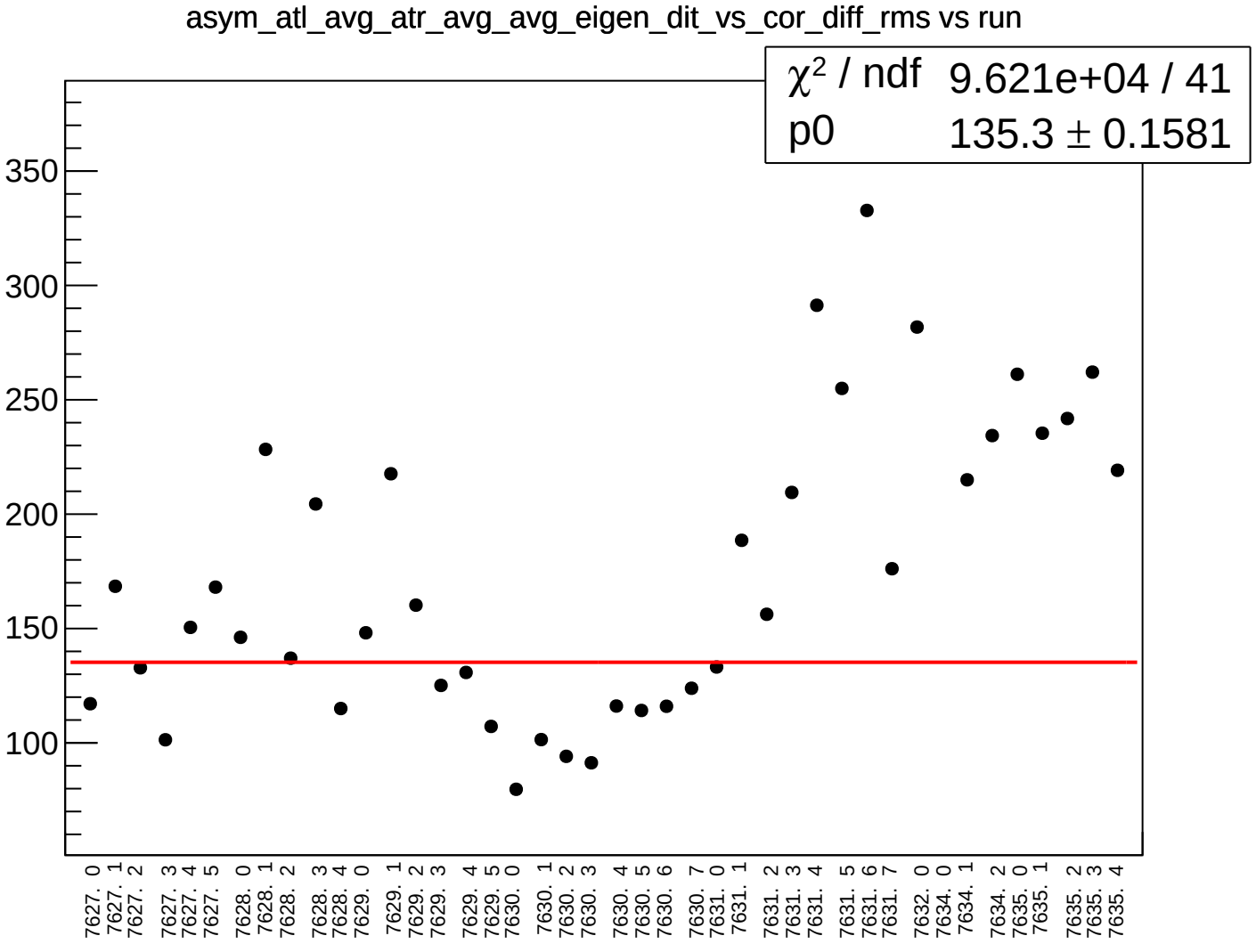

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.62e+04 / 41
p0 135.3 ± 0.1581
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

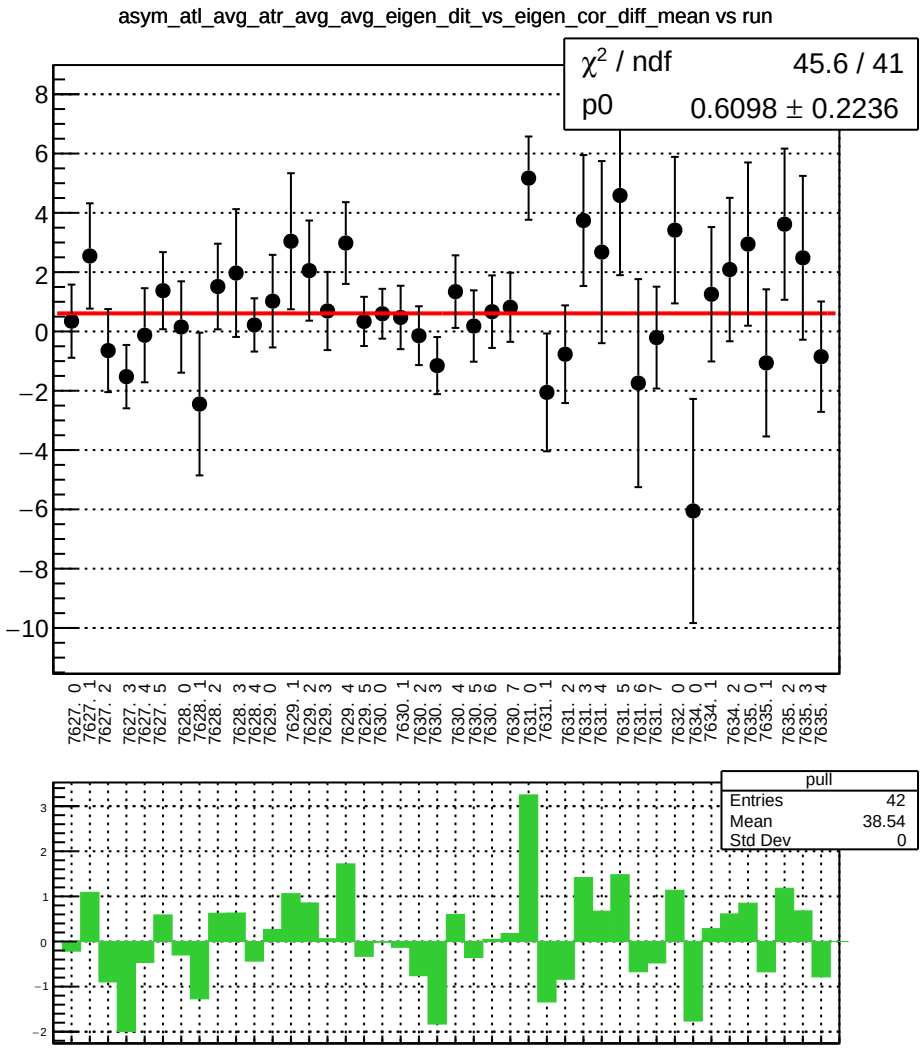

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.82 / 41
p0 −5.05e−05 ± 3.033e−05
pull
Entries 42
Mean 28.13
Std Dev 0

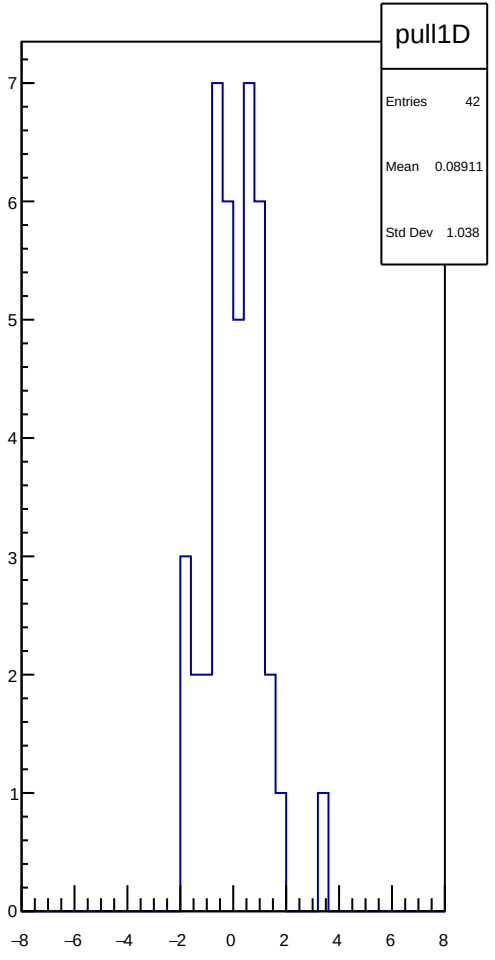

pull1D
Entries 42
Mean −0.03249
Std Dev 1.11

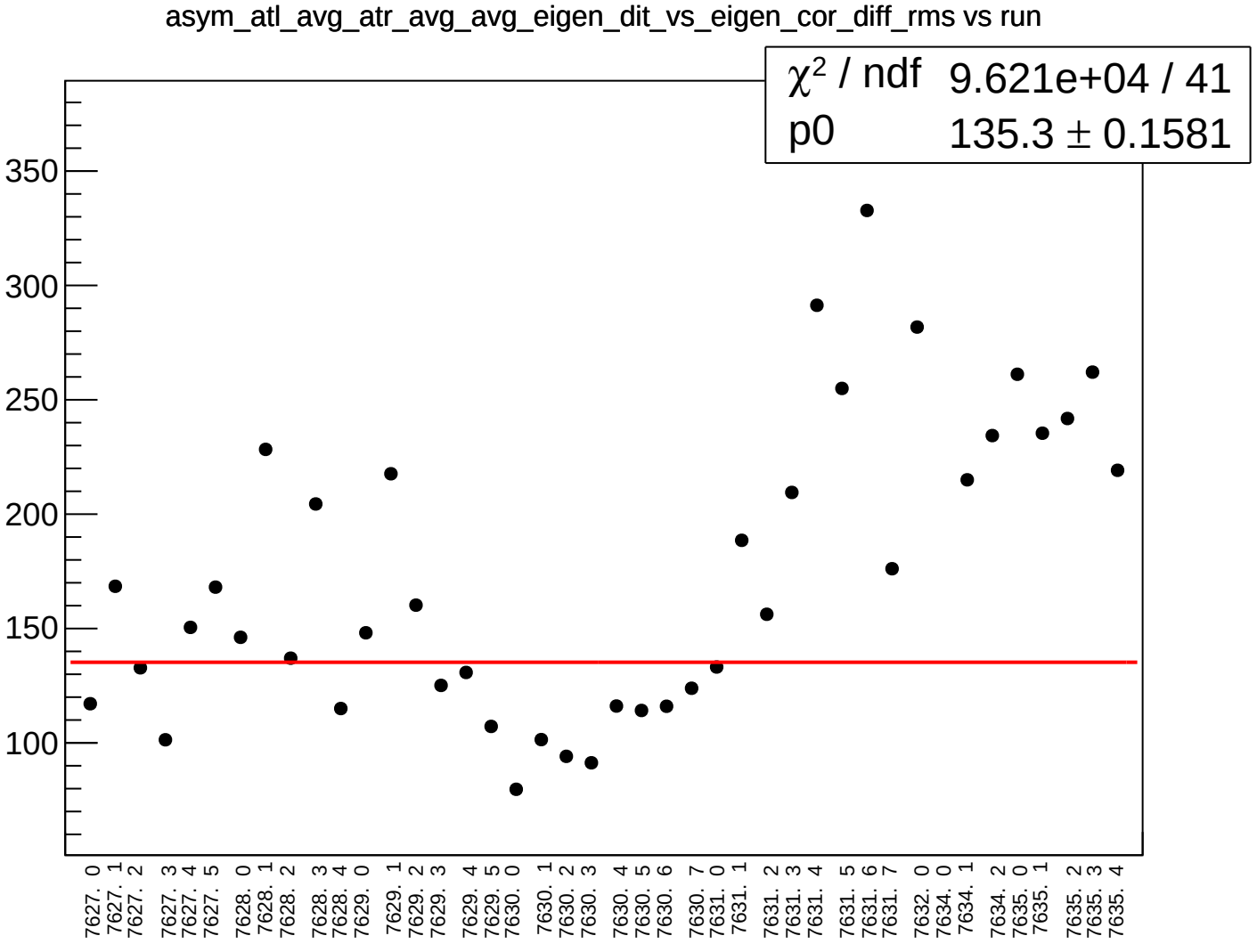

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.582e+04 / 41
p0 0.01921 ± 2.145e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

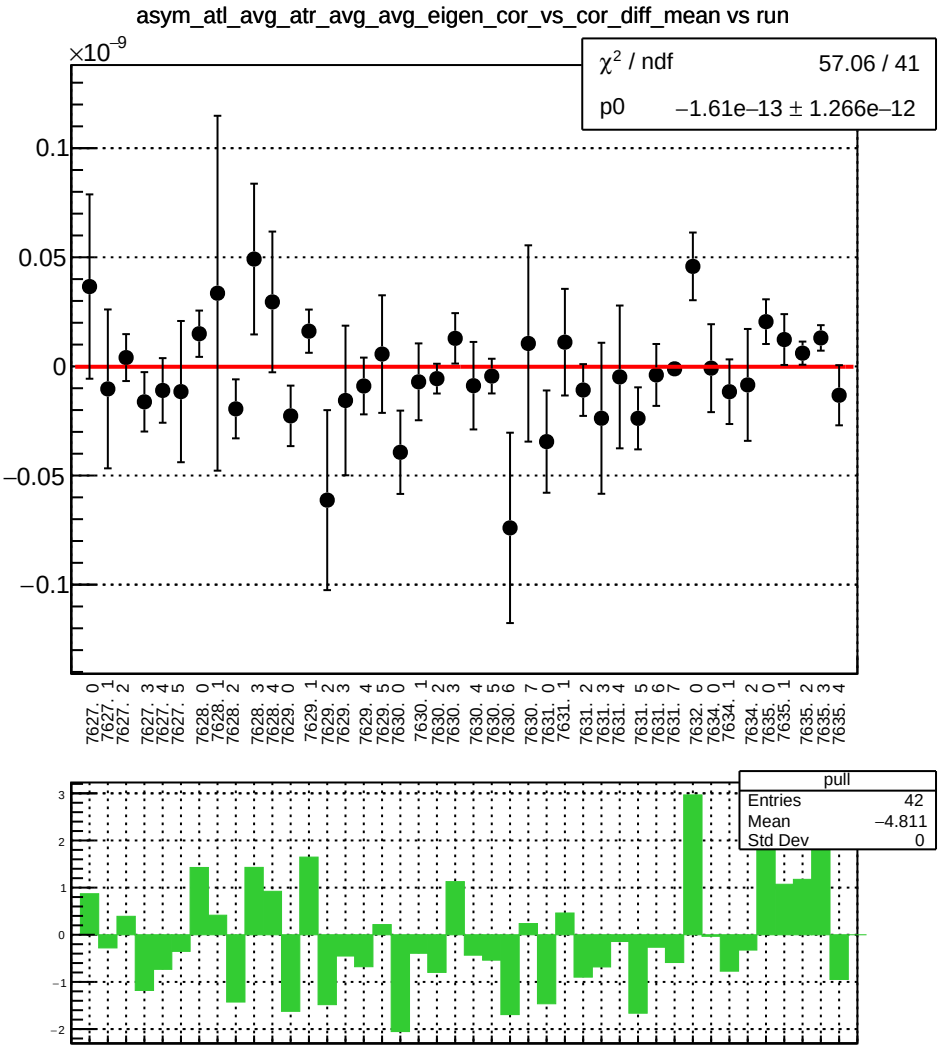

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.6 / 41
p0 0.6098 ± 0.2236
pull
Entries 42
Mean 38.54
Std Dev 0
pull1D
Entries 42
Mean 0.08911
Std Dev 1.038

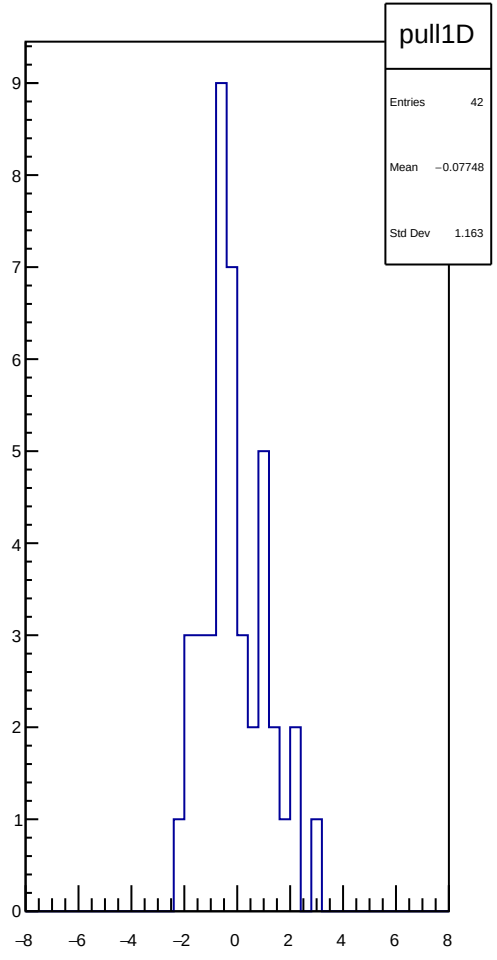

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.621e+04 / 41
p0 135.3 ± 0.1581
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

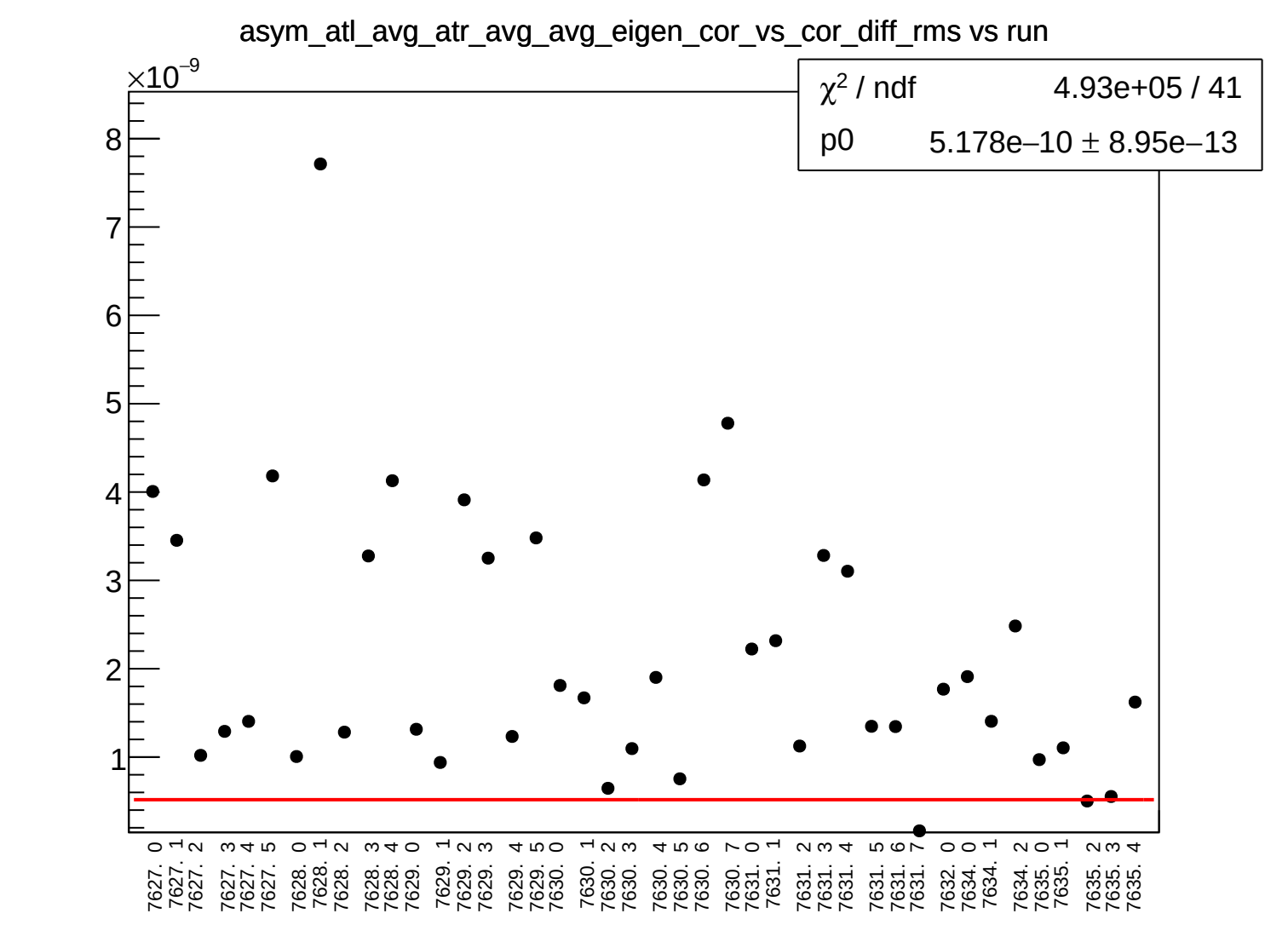

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.6 / 41
p0 0.6098 ± 0.2236
pull
Entries 42
Mean 38.54
Std Dev 0

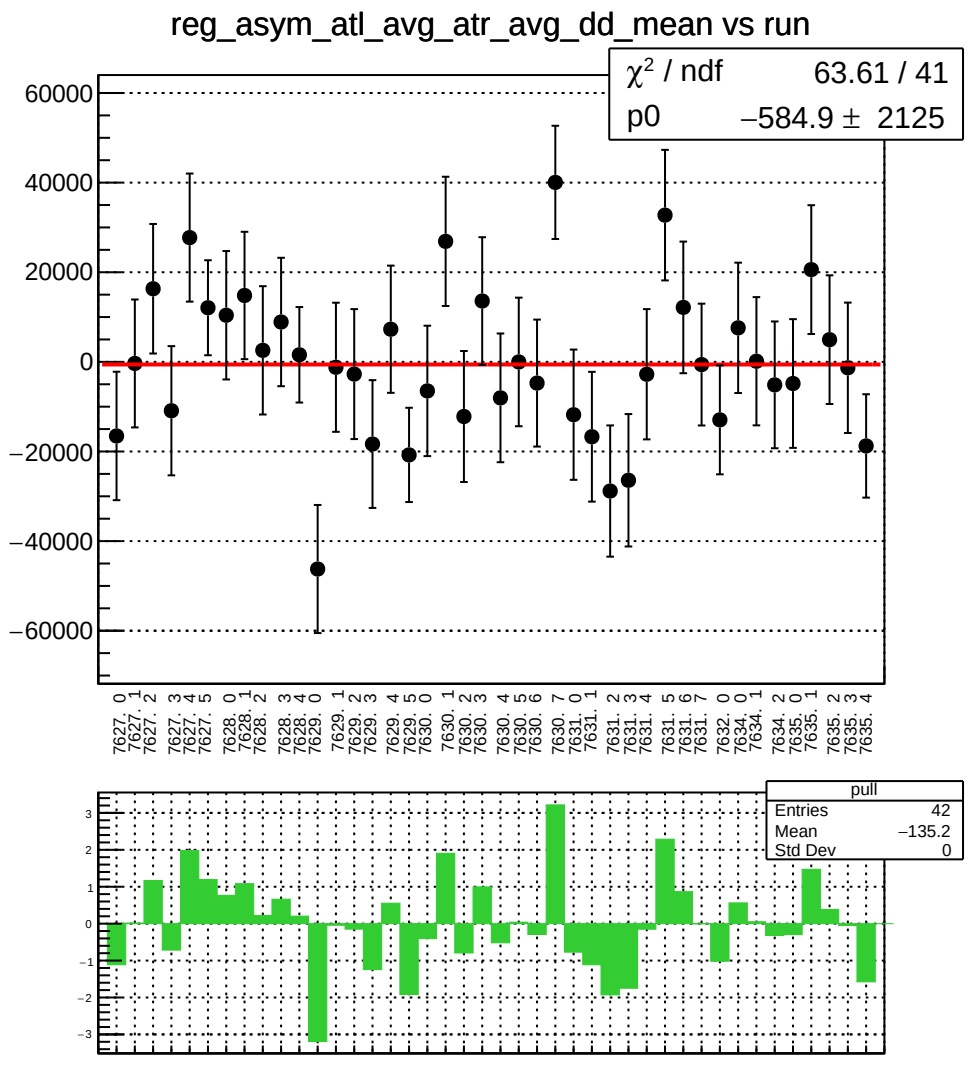

pull1D
Entries 42
Mean 0.08911
Std Dev 1.038

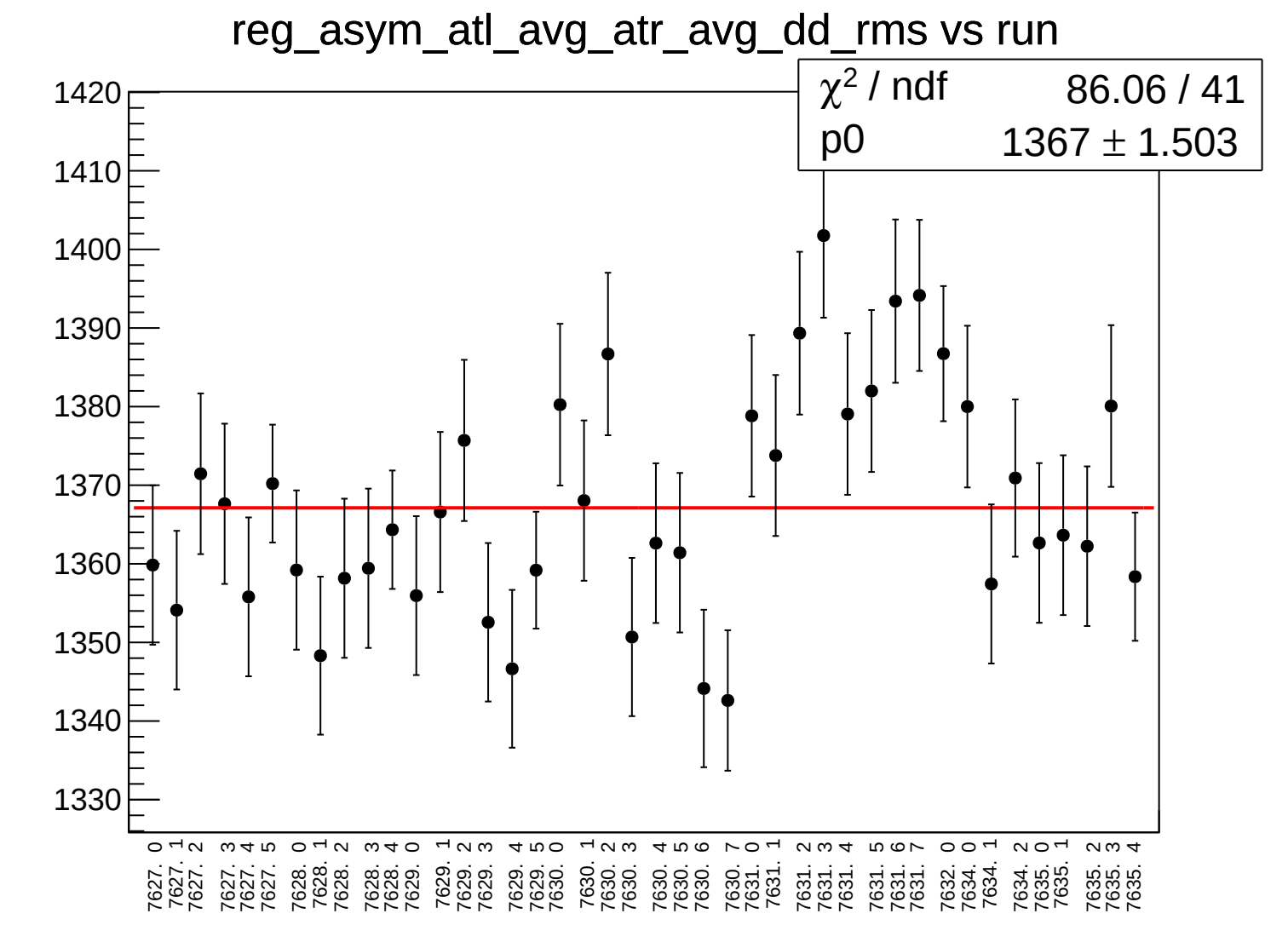

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.621e+04 / 41
p0 135.3 ± 0.1581
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

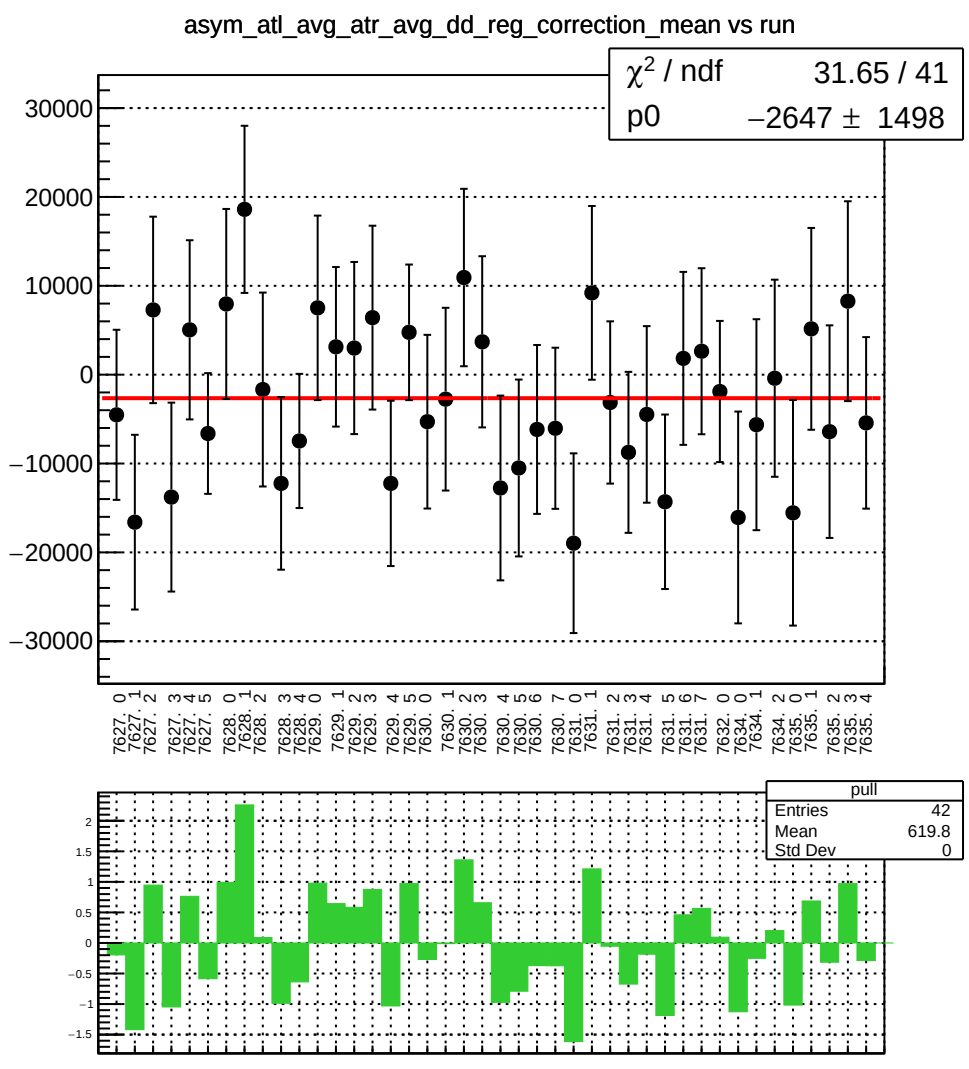

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 57.06 / 41
p0 −1.61e−13 ± 1.266e−12
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4.811
Std Dev 0
3
2
1
0
−1
−2

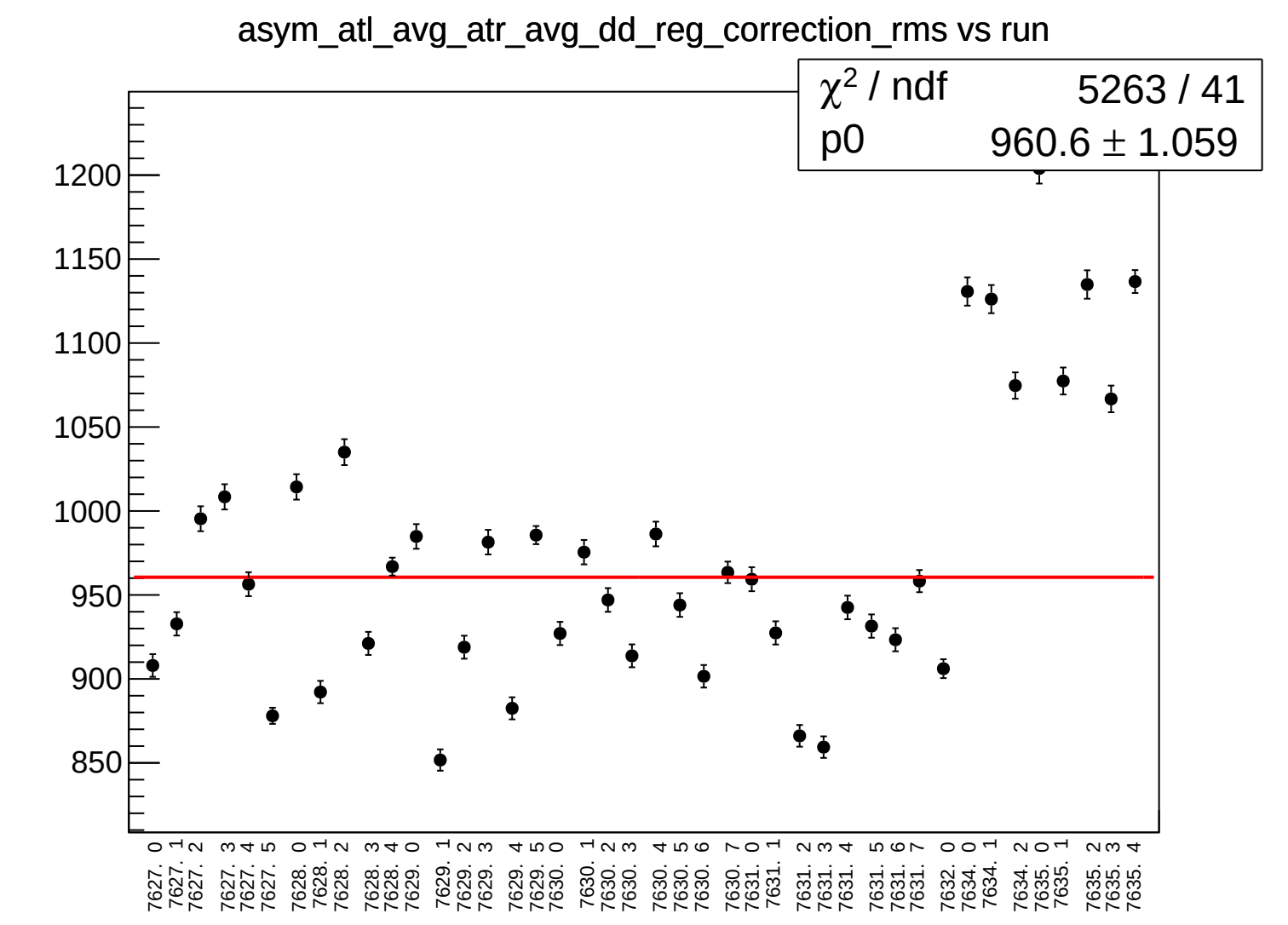

pull1D
Entries 42
Mean −0.07748
Std Dev 1.163
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

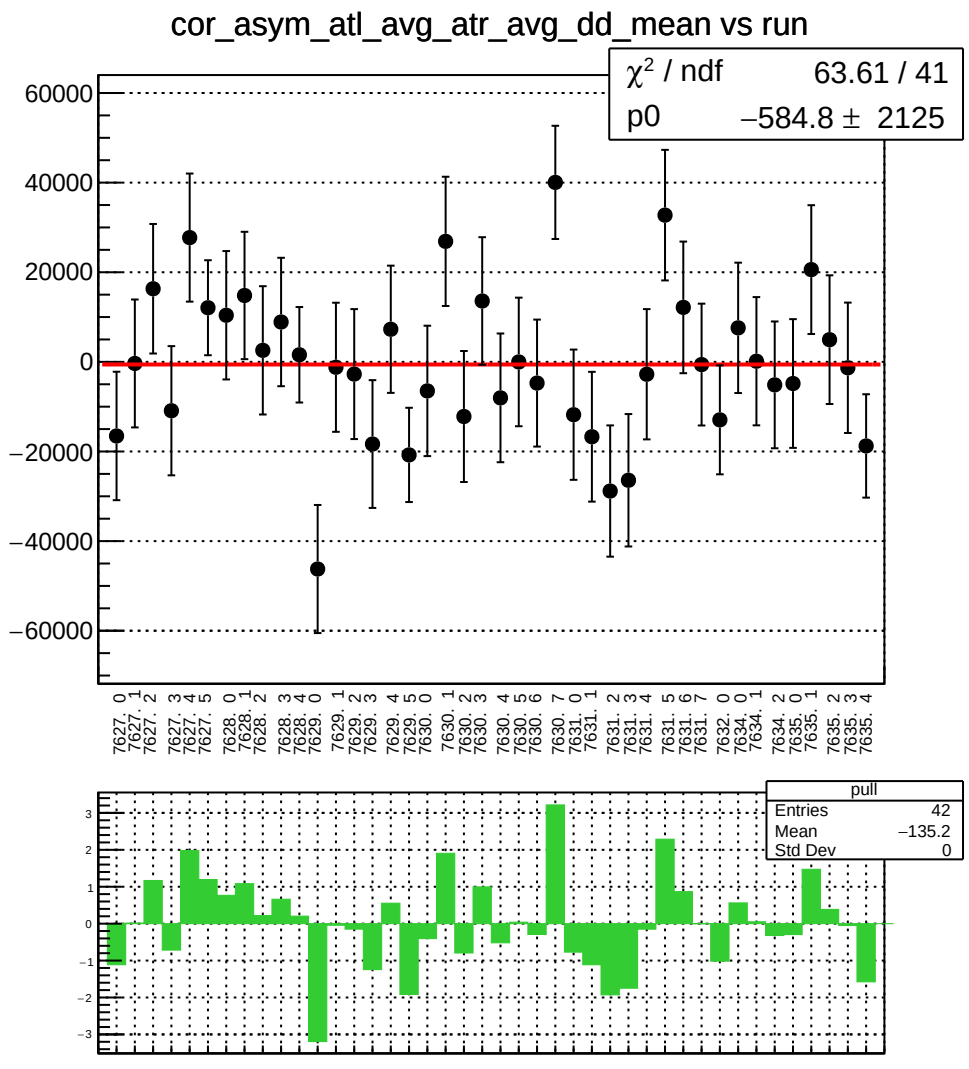

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.93e+05 / 41
p0 5.178e−10 ± 8.95e−13
8
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

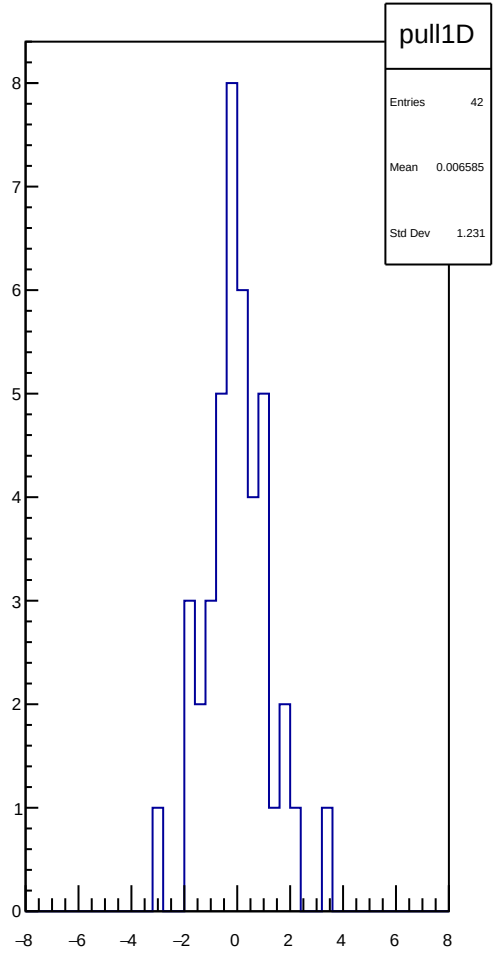

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 63.61 / 41
p0 −584.9 ± 2125
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −135.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.006588
Std Dev 1.231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

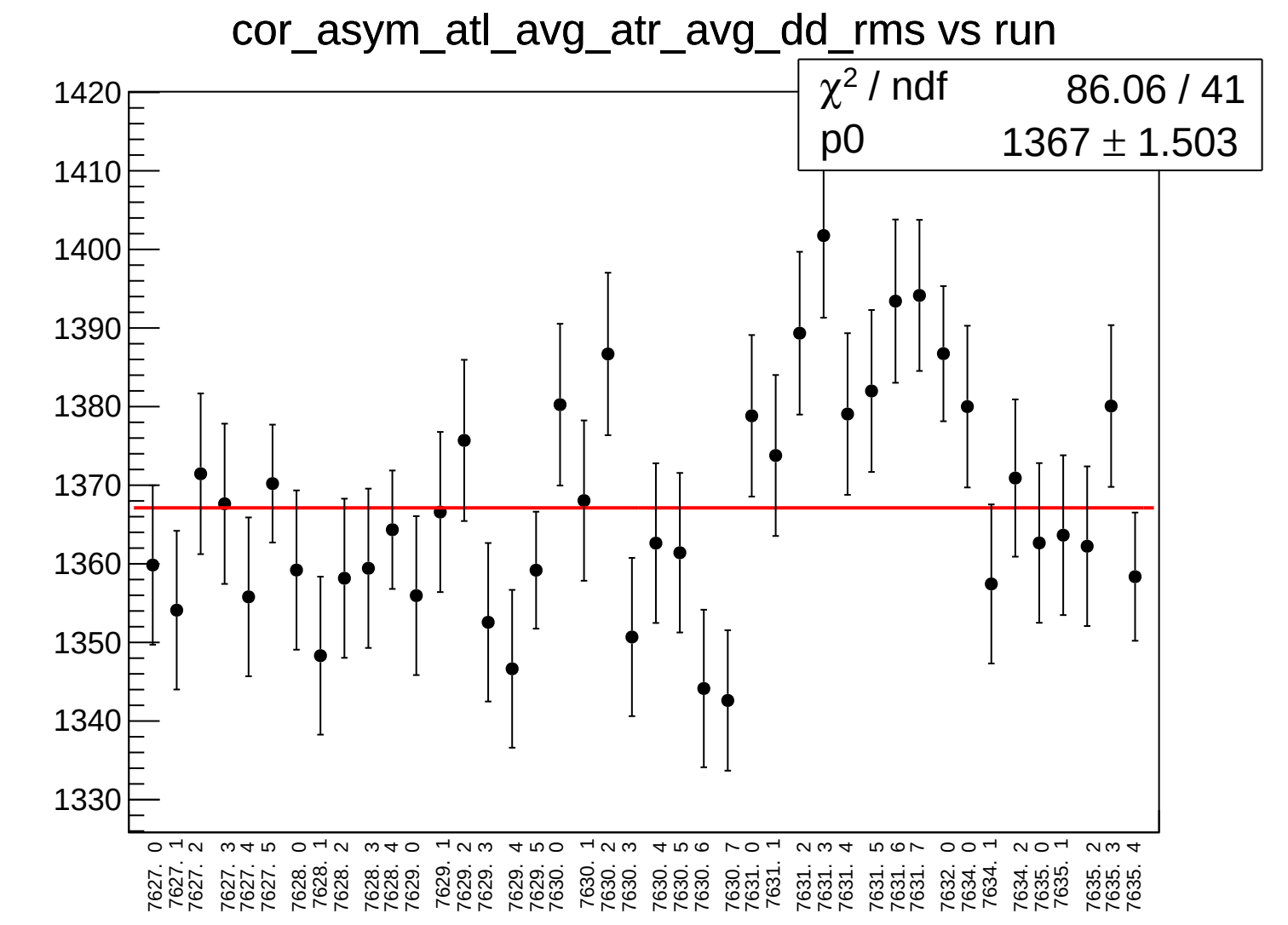

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 86.06 / 41
p0 1367 ± 1.503
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 31.65 / 41
p0 −2647 ± 1498
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 619.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.001884
Std Dev 0.8681
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 5263 / 41
p0 960.6 ± 1.059
1200
1150
1100
1050
1000
950
900
850
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 63.61 / 41
p0 −584.8 ± 2125
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −135.2
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean 0.006585
Std Dev 1.231
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 86.06 / 41
p0 1367 ± 1.503
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7635. 1
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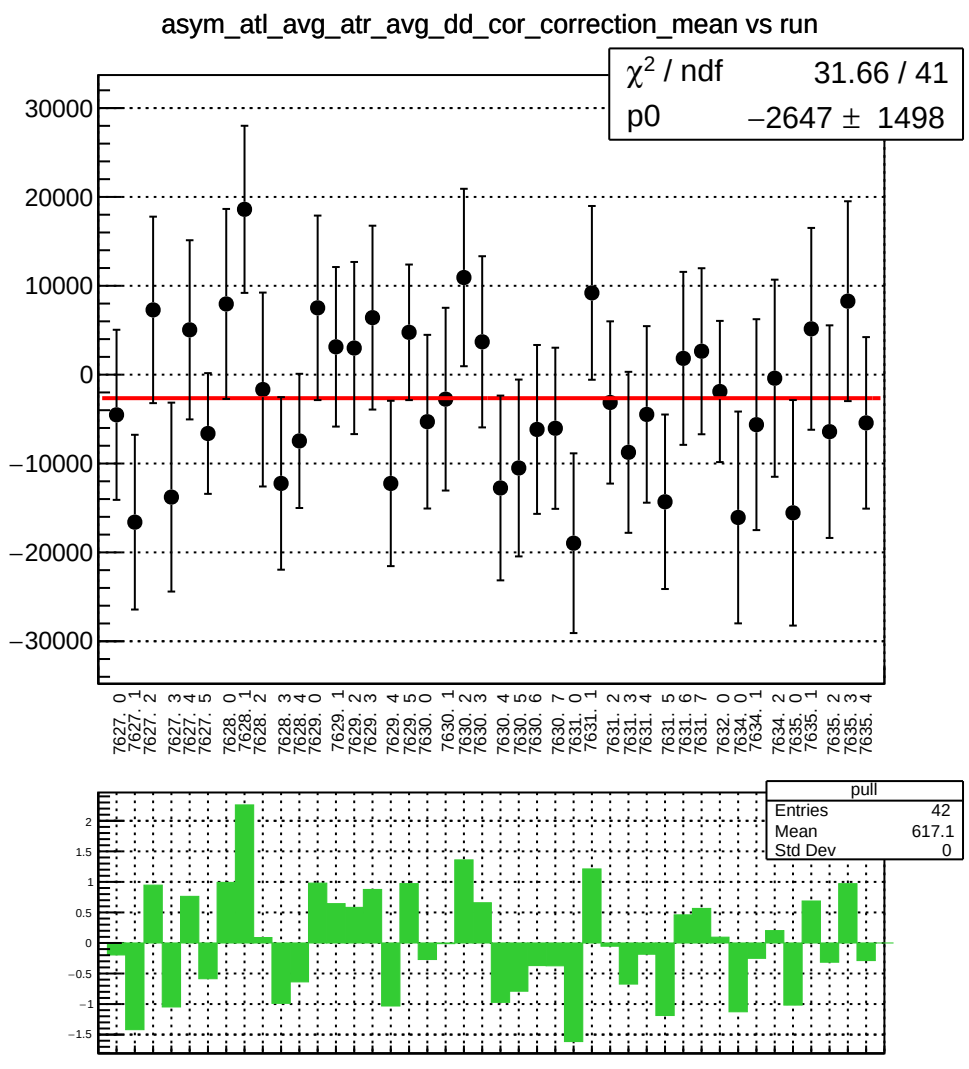
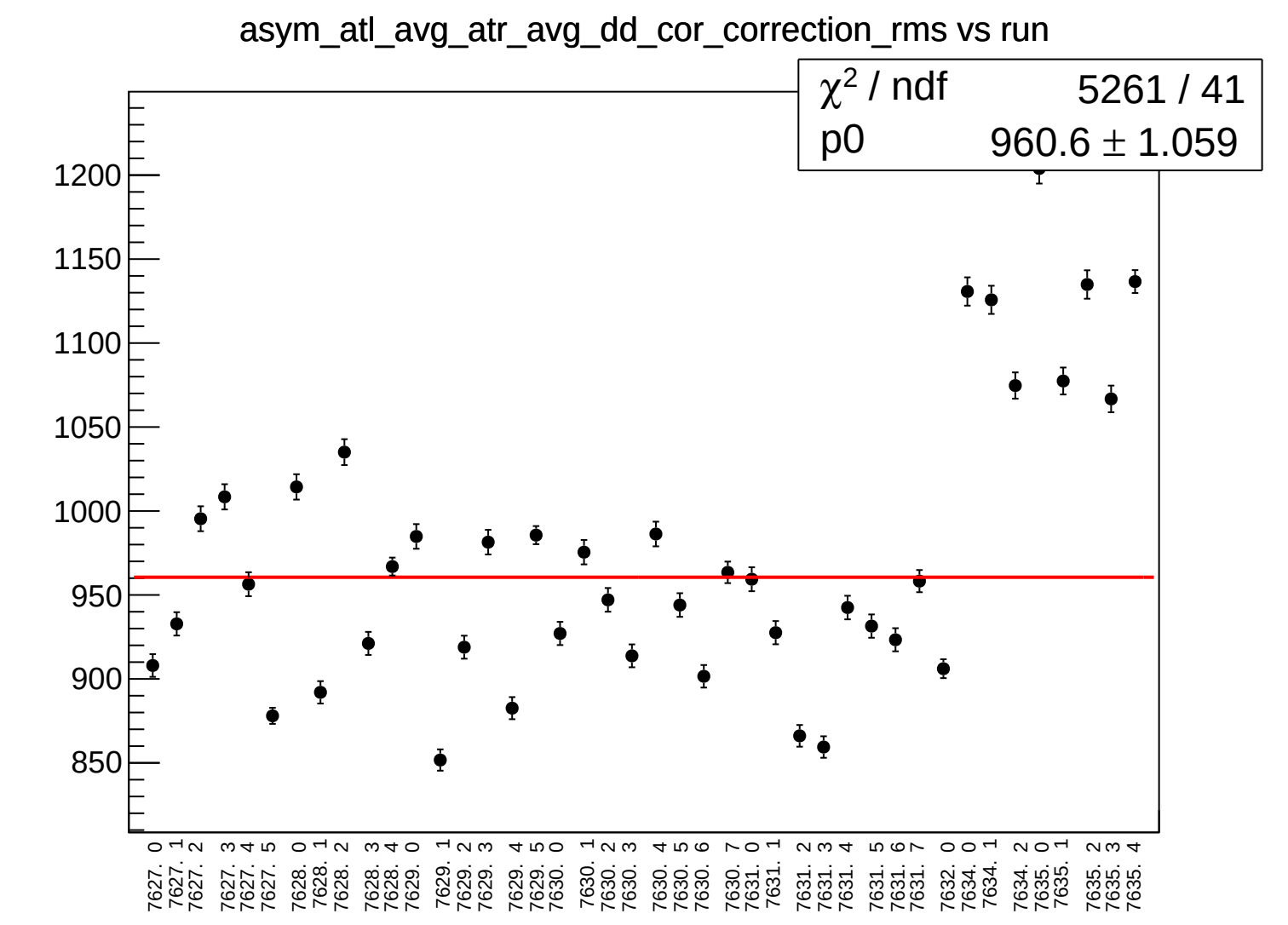
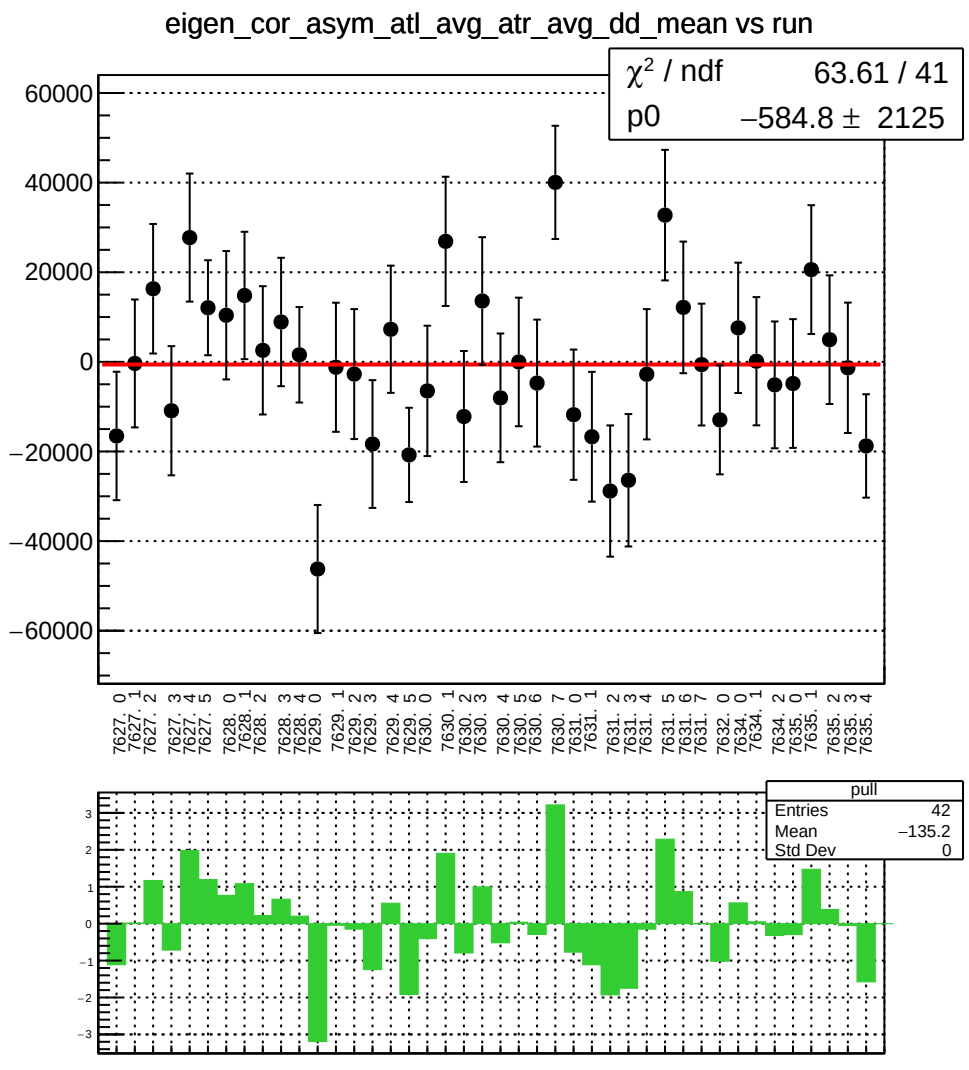
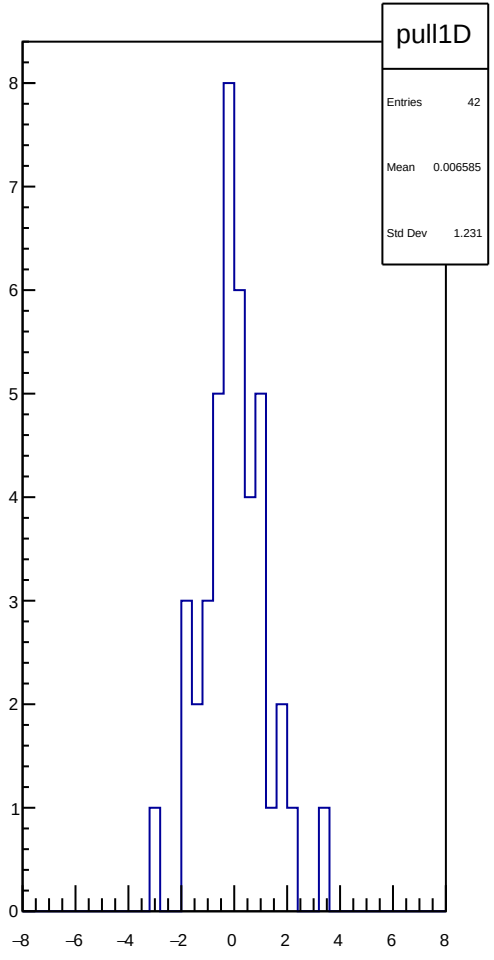
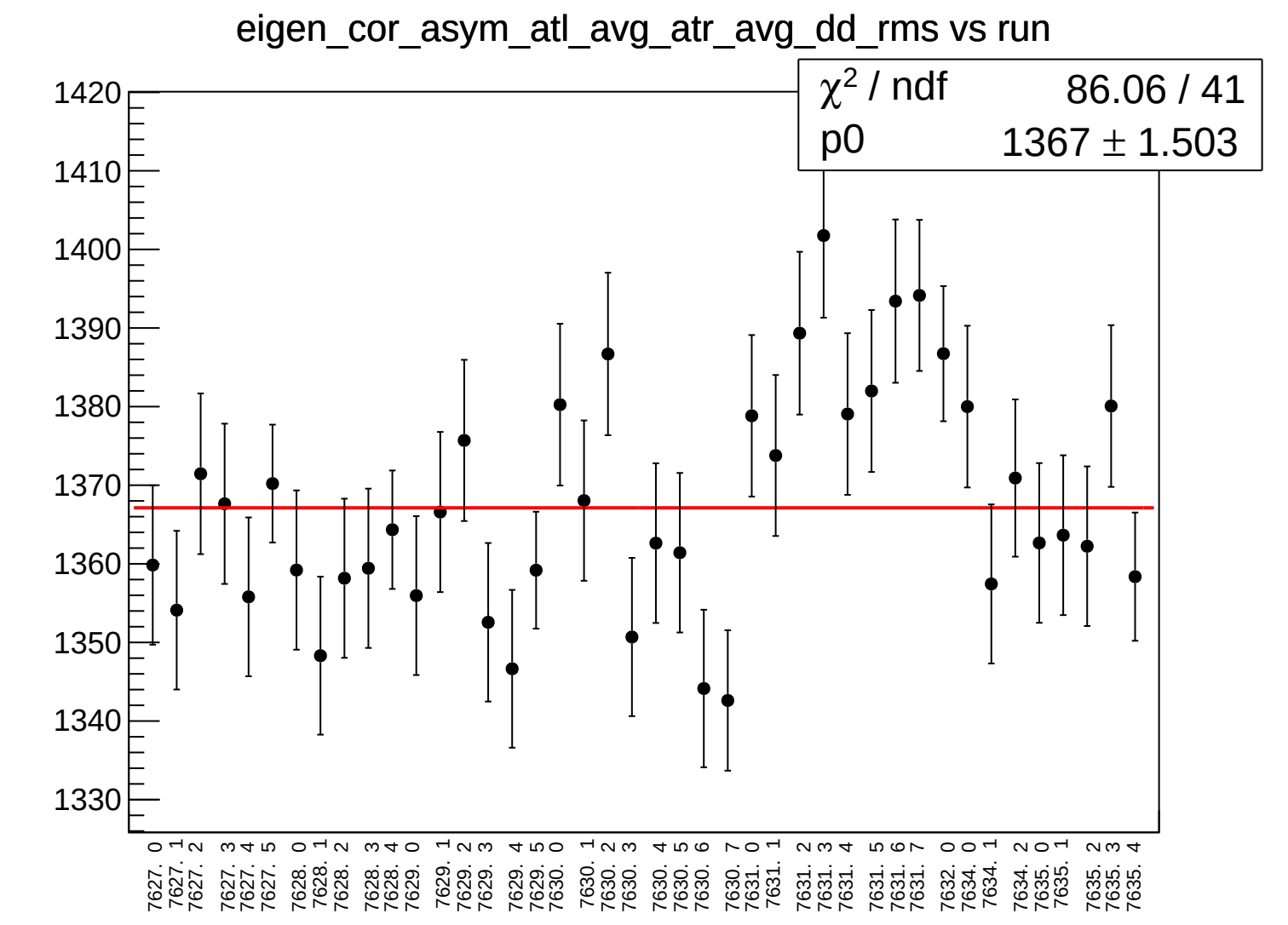
7635. 3
7635. 4


asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 31.66 / 41
p0 −2647 ± 1498
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 617.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.001893
Std Dev 0.8682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 5261 / 41
p0 960.6 ± 1.059
1200
1150
1100
1050
1000
950
900
850
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 63.61 / 41
p0 −584.8 ± 2125
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −135.2
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean 0.006585
Std Dev 1.231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 86.06 / 41
p0 1367 ± 1.503
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
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7629. 4
7629. 5
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7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
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7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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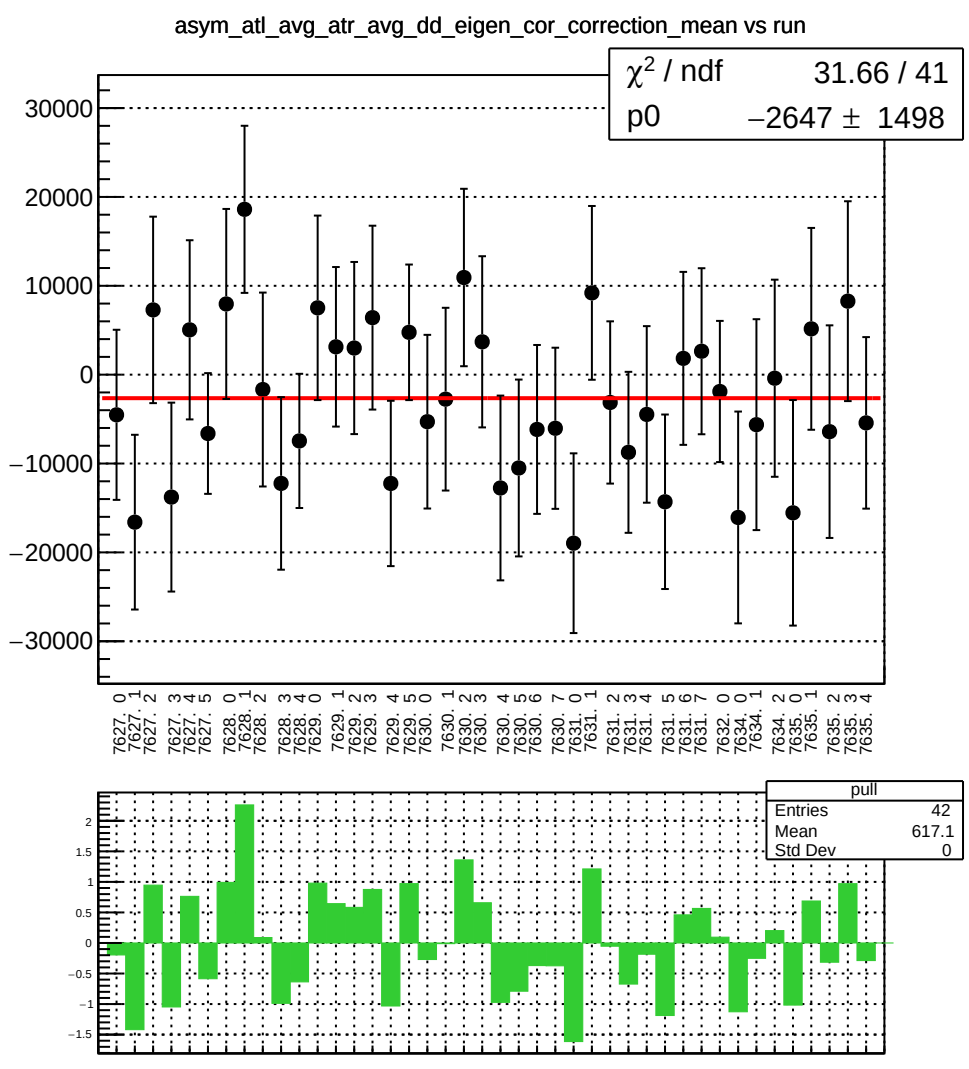
7635. 3
7635. 4


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 31.66 / 41
p0 −2647 ± 1498
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
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7630. 0
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7630. 7
7631. 0
7631. 1
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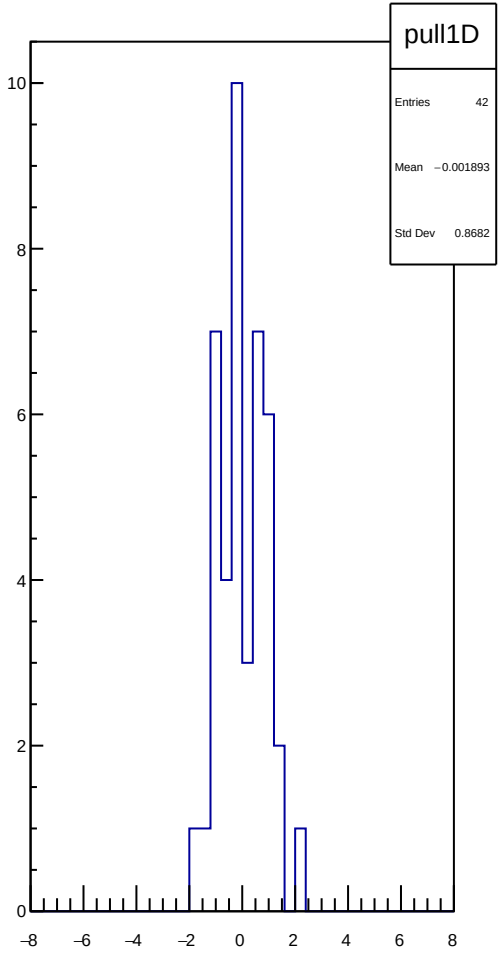
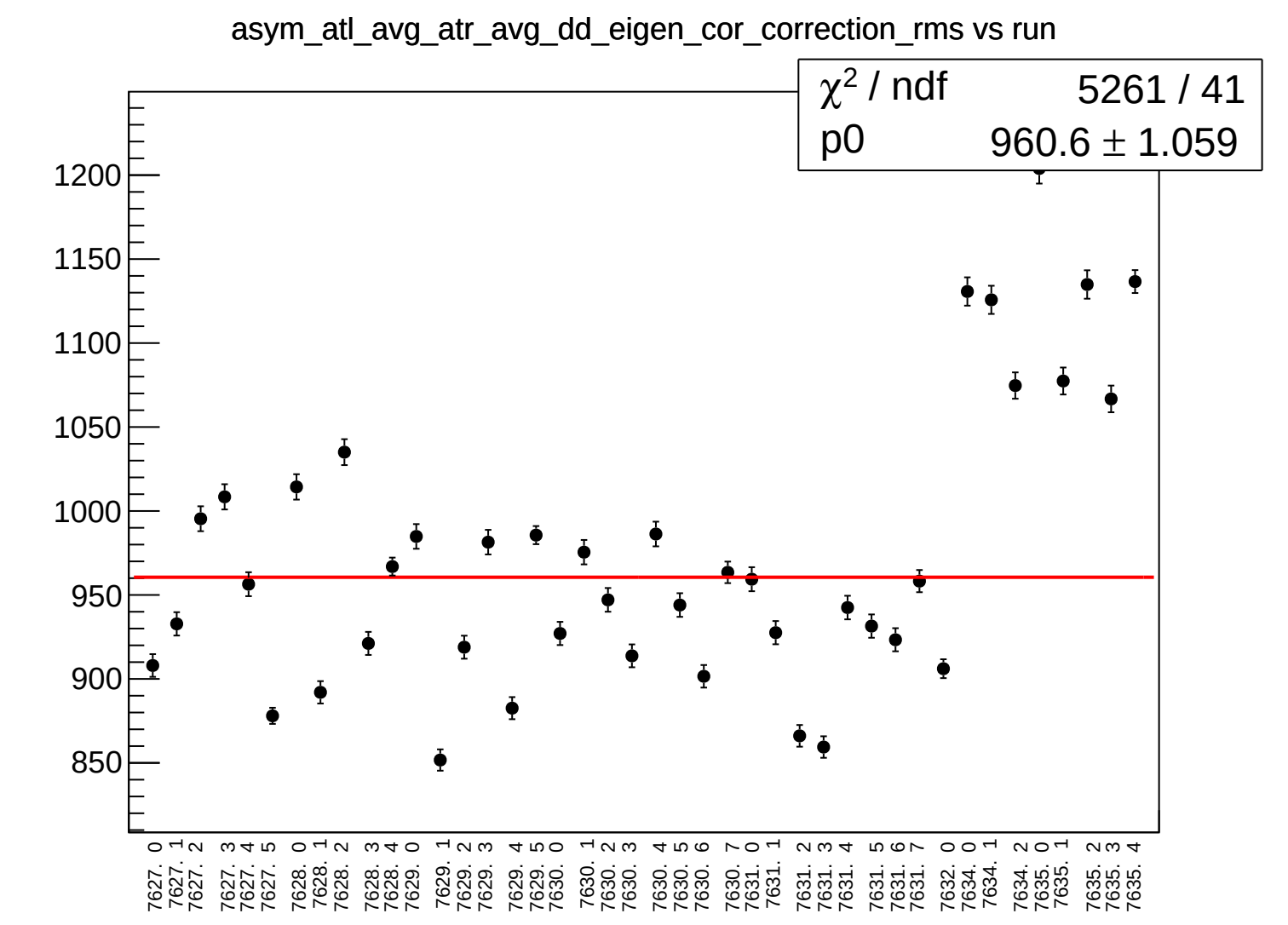
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 617.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.001893
Std Dev 0.8682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 5261 / 41
p0 960.6 ± 1.059
1200
1150
1100
1050
1000
950
900
850
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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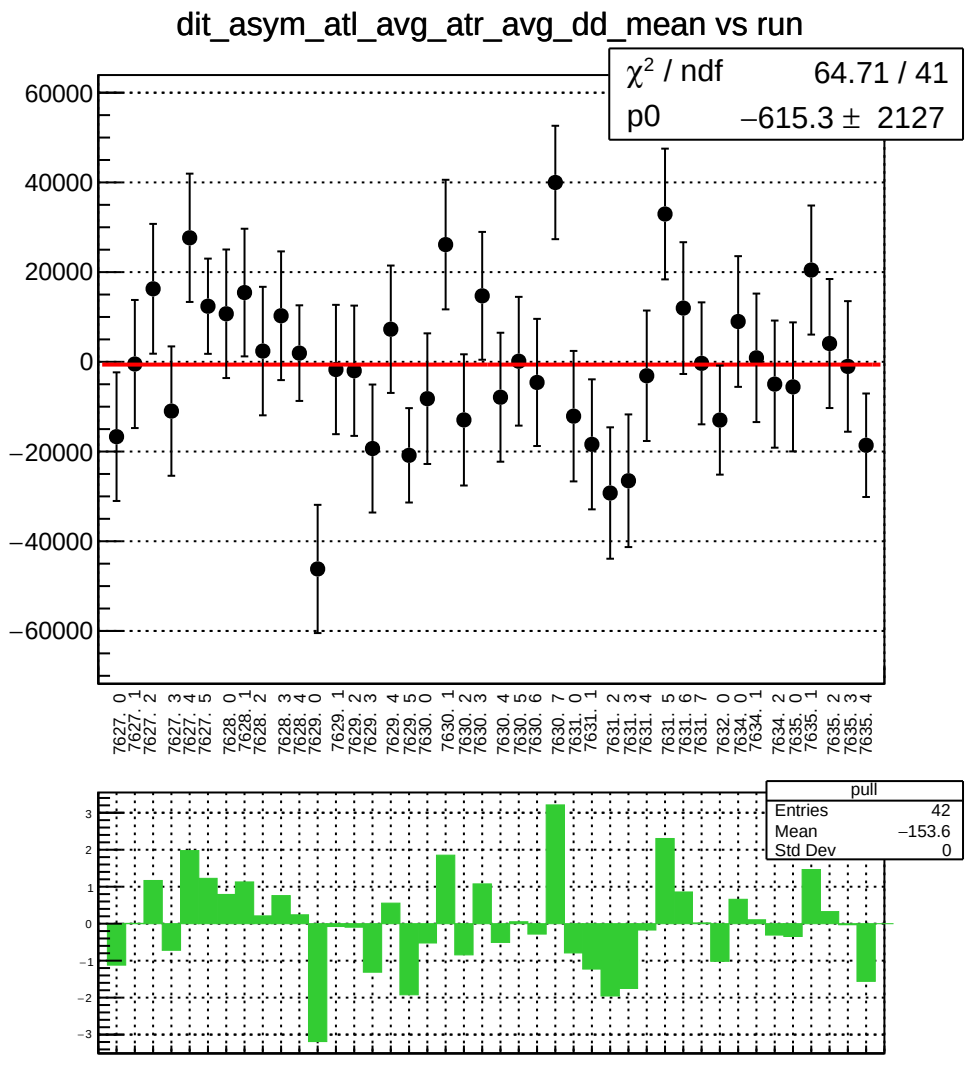
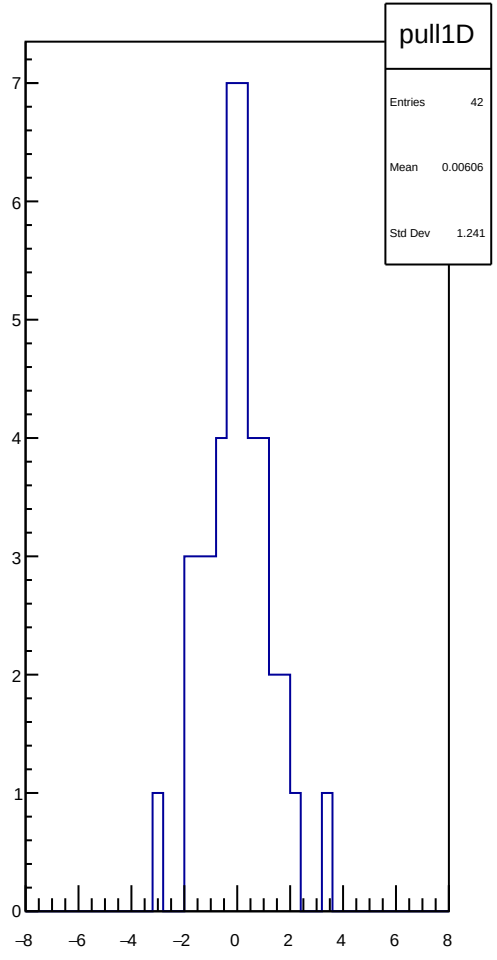
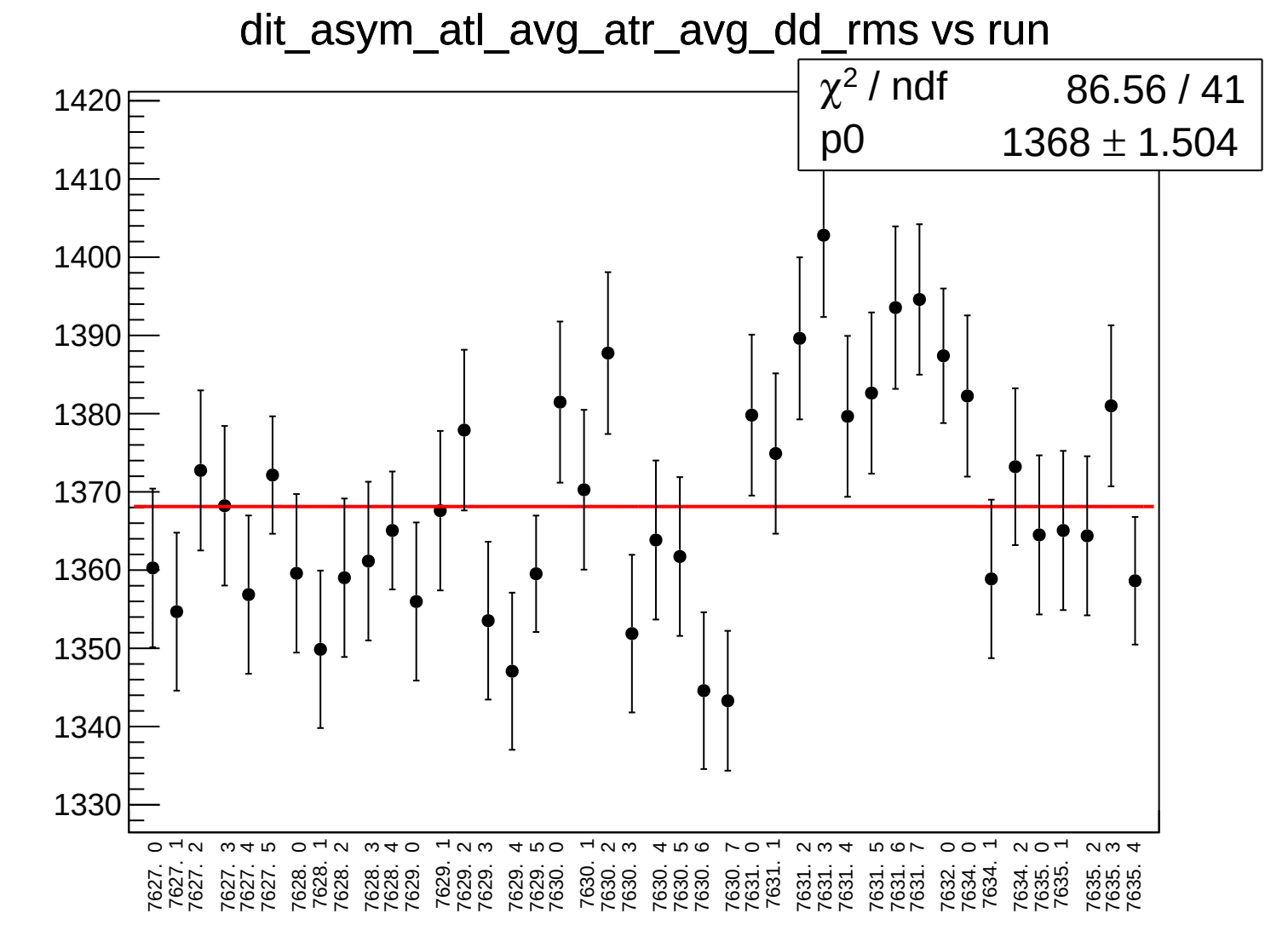
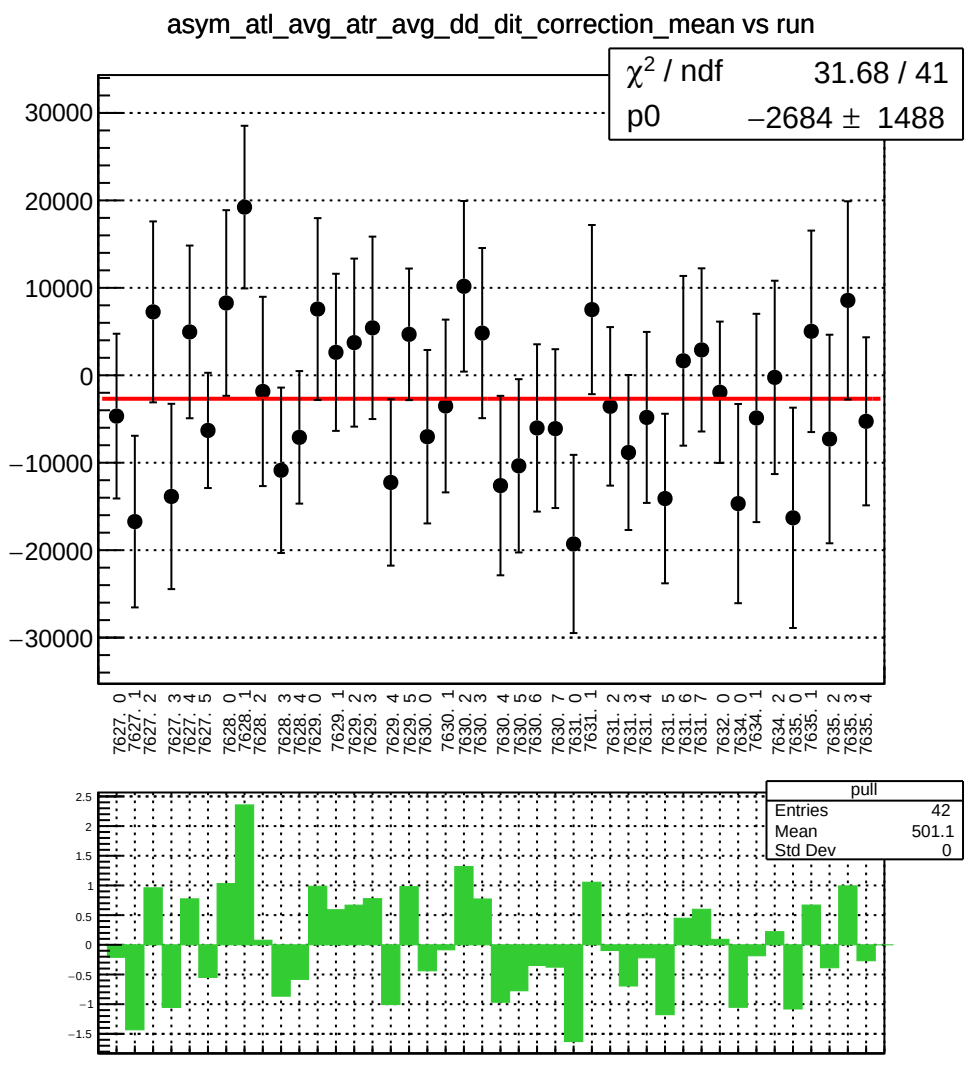
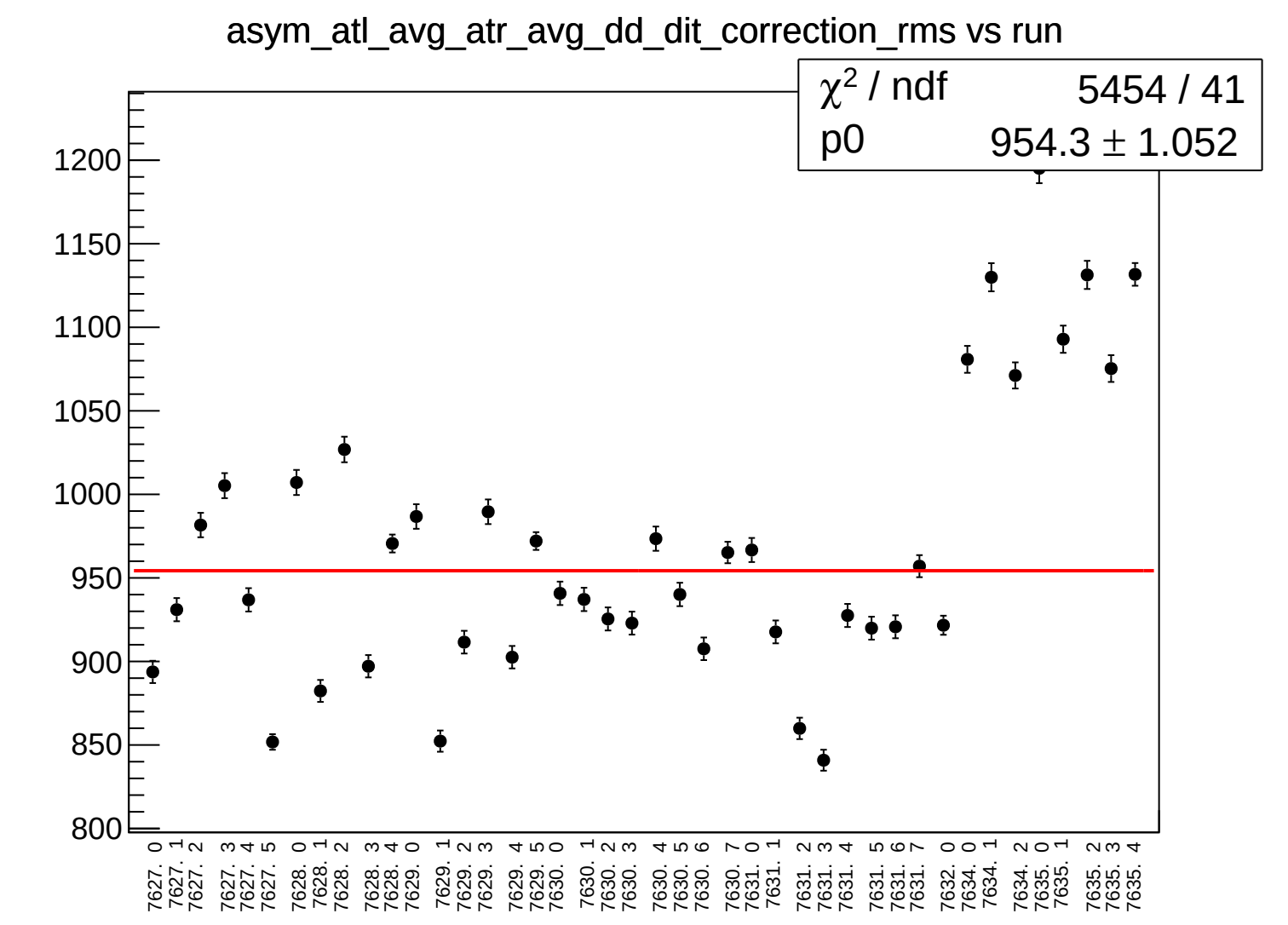
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

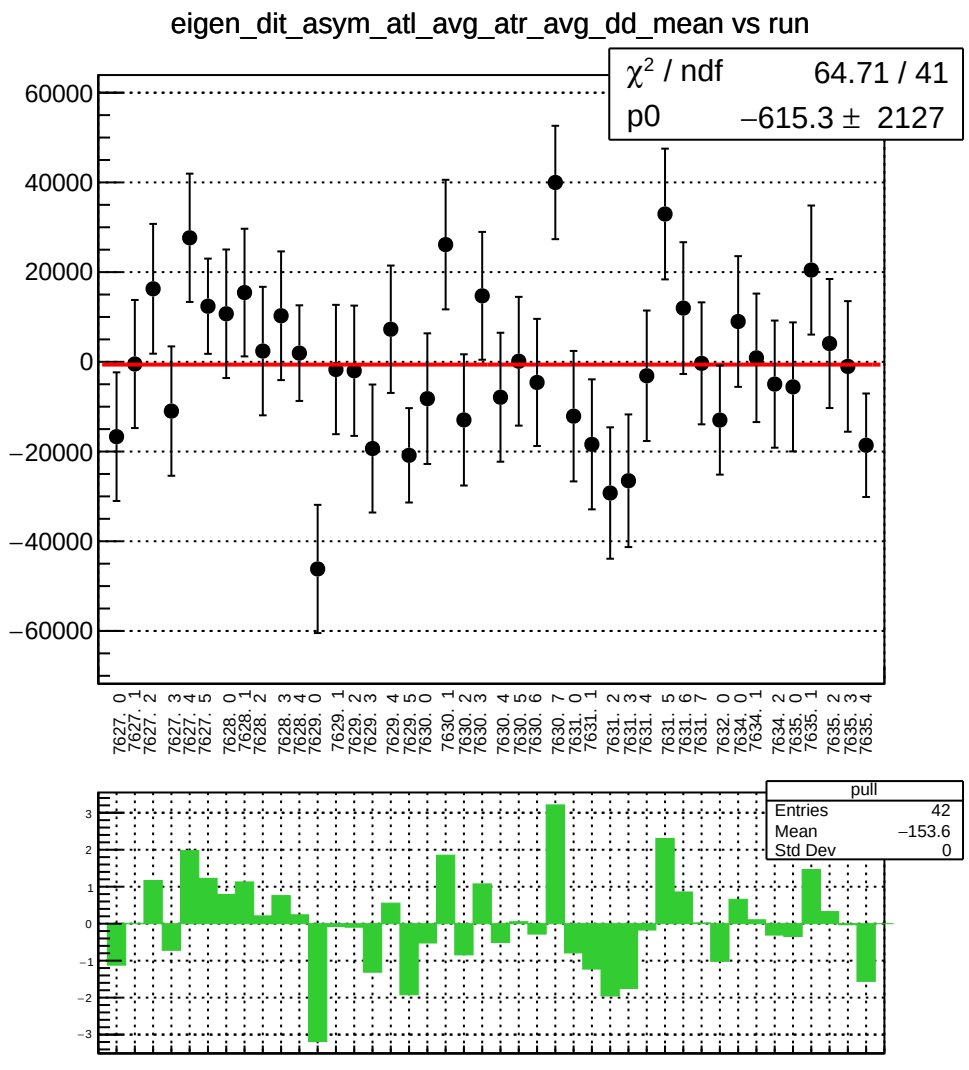

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 64.71 / 41
p0 −615.3 ± 2127
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −153.6
Std Dev 0
3
2
1
0
−1
−2
−3

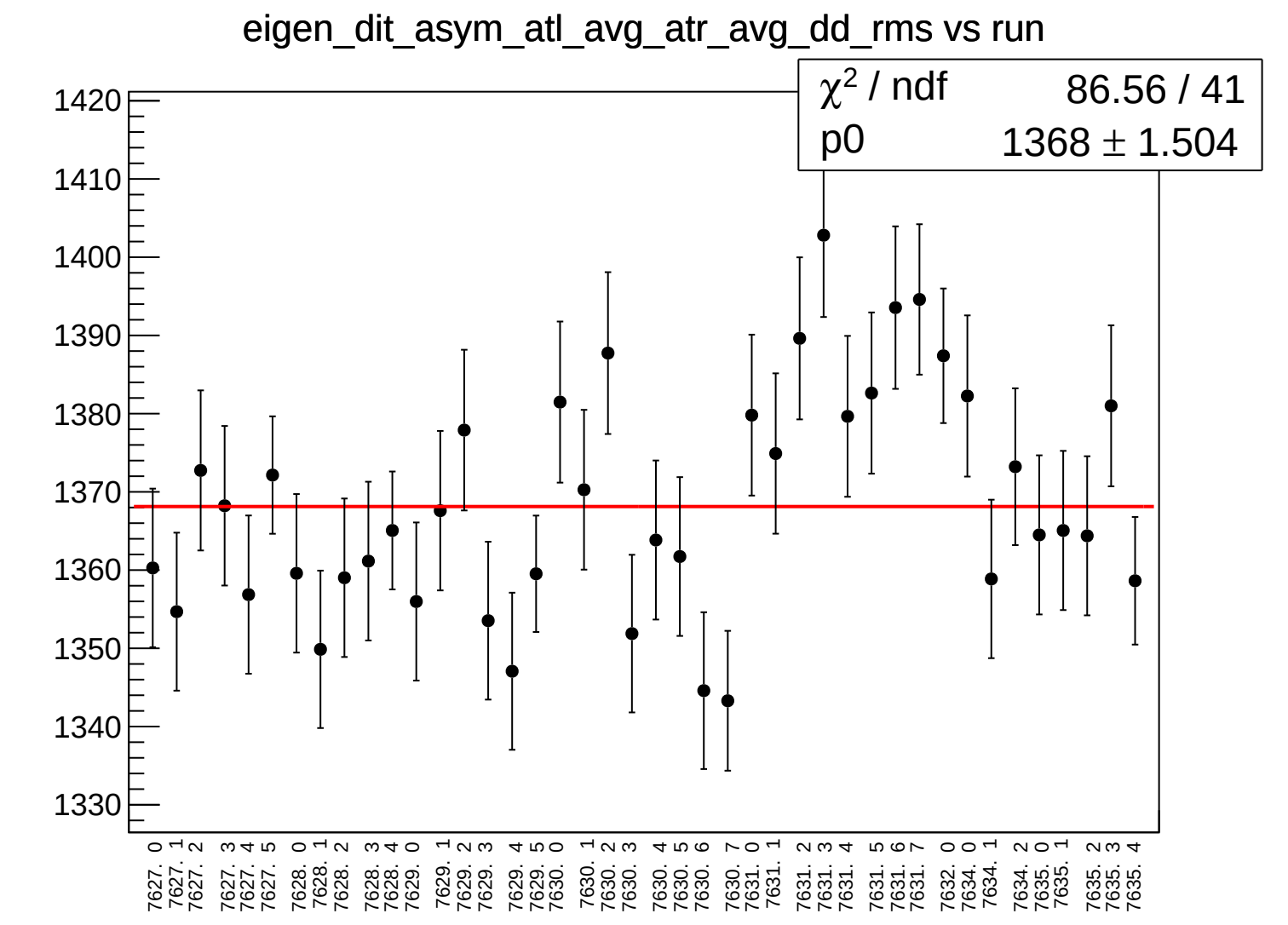

pull1D
Entries 42
Mean 0.00606
Std Dev 1.241
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

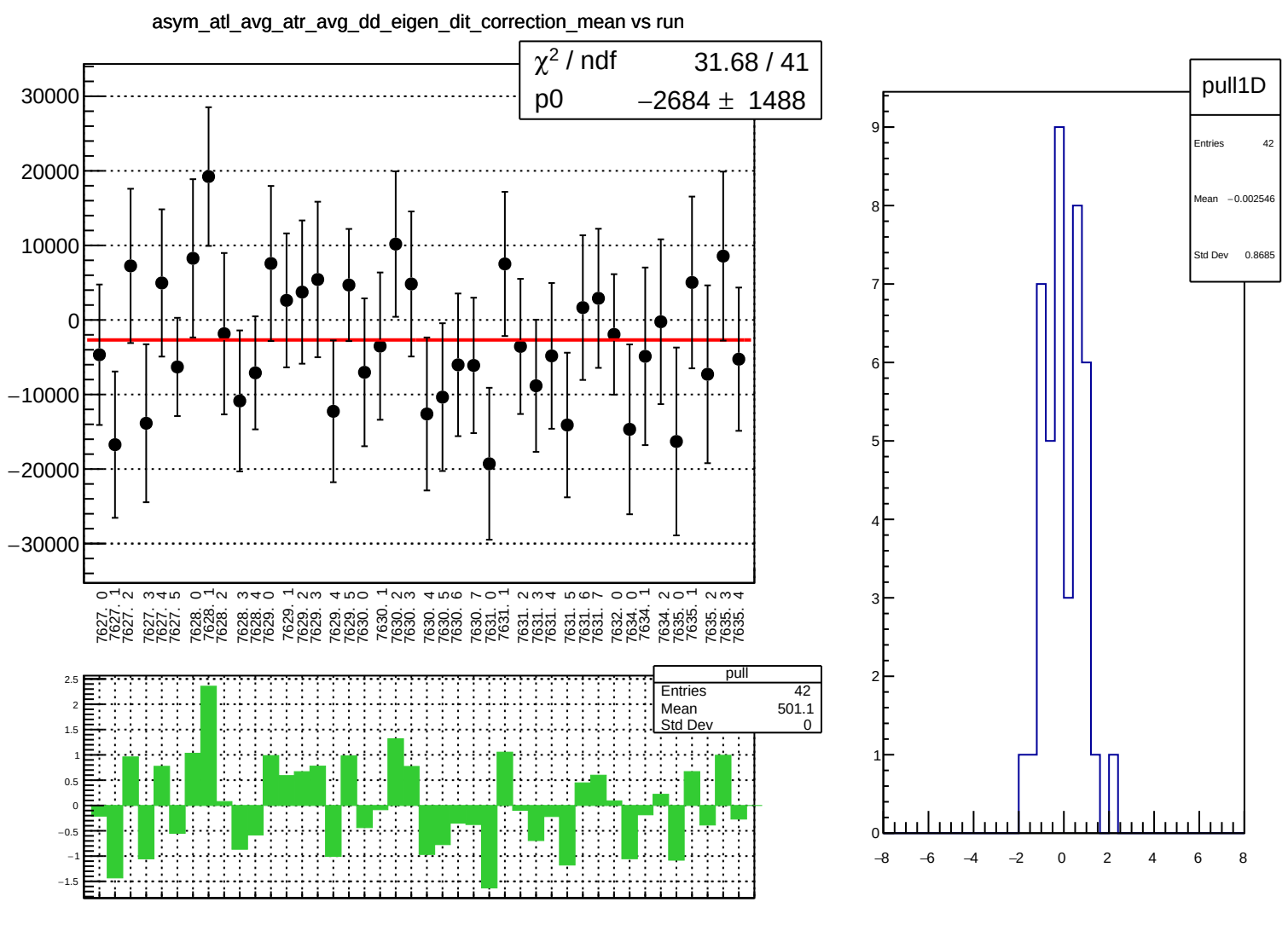

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 86.56 / 41
p0 1368 ± 1.504
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

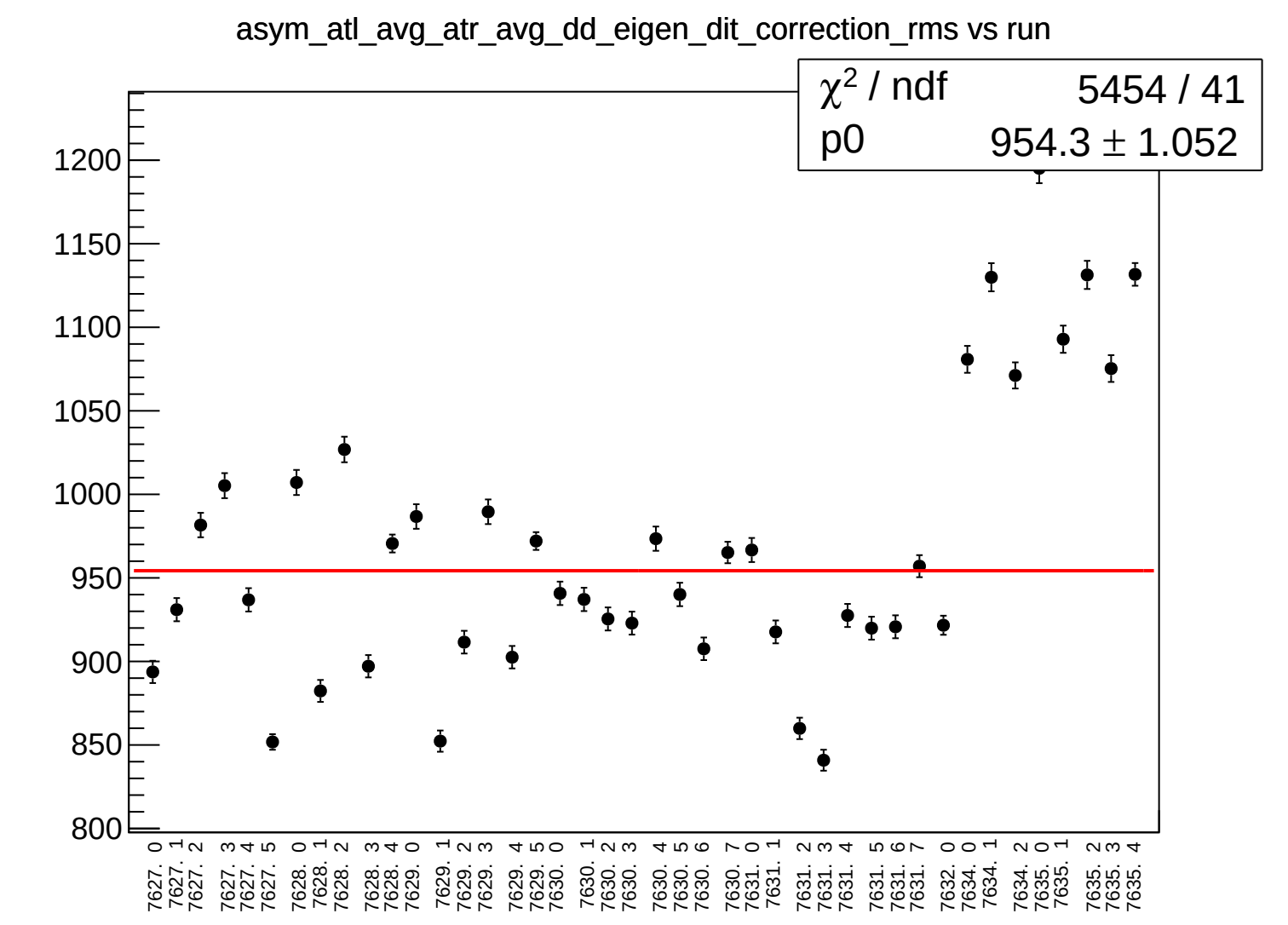

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 31.68 / 41
p0 −2684 ± 1488
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 501.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.002546
Std Dev 0.8685
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

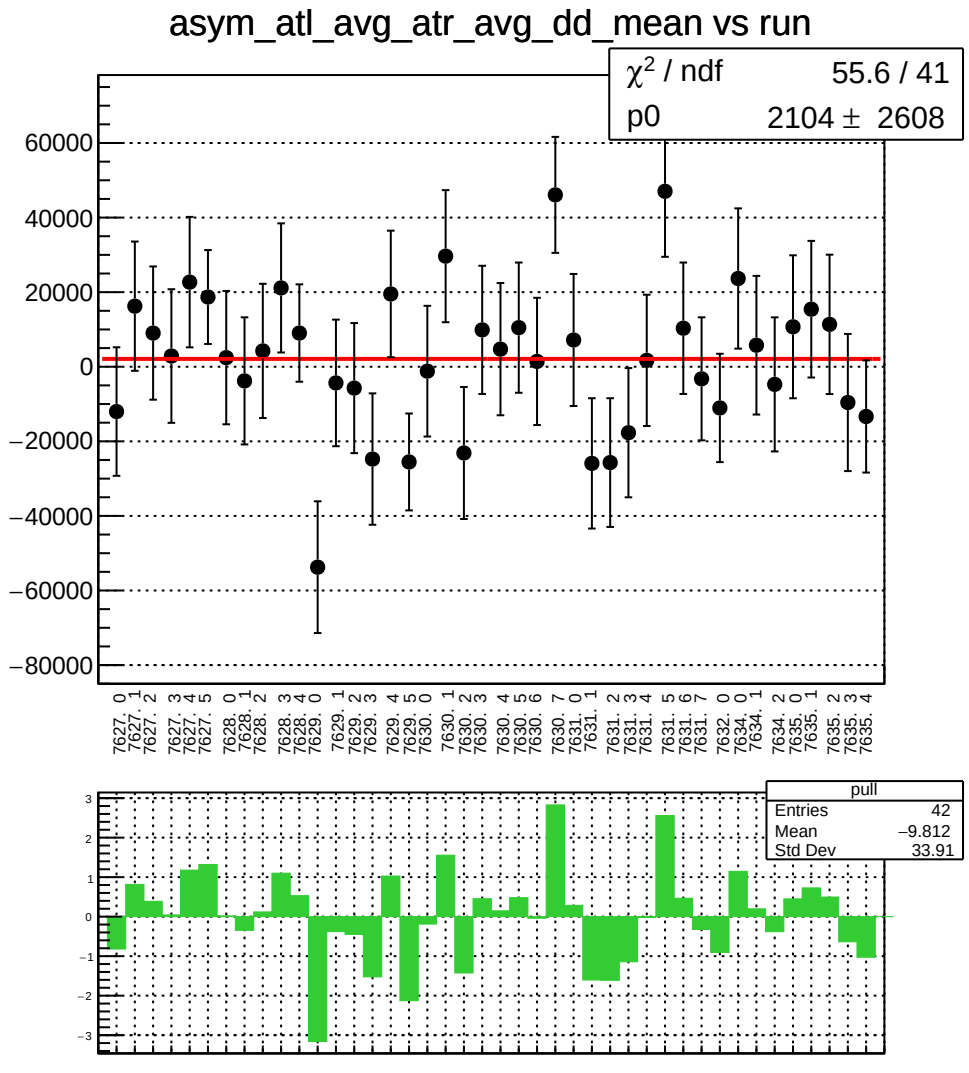

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 5454 / 41
p0 954.3 ± 1.052
1200
1150
1100
1050
1000
950
900
850
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

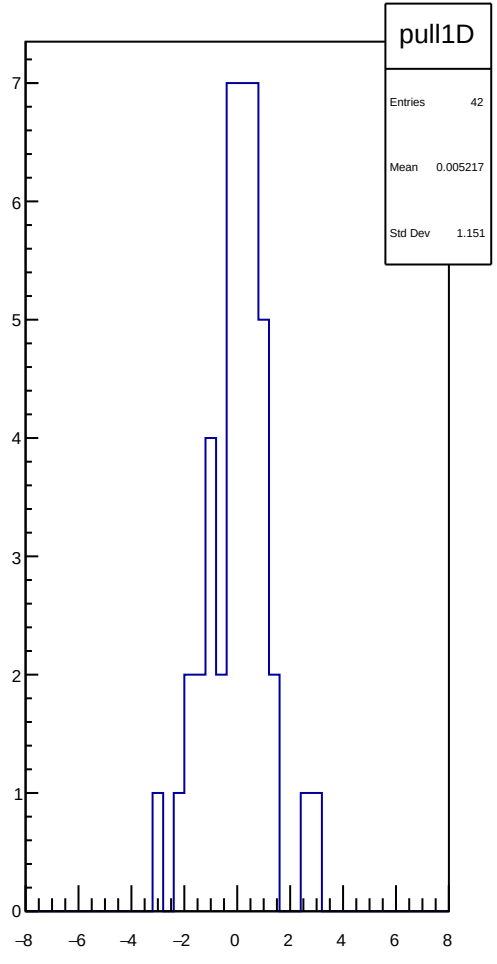

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 64.71 / 41
p0 −615.3 ± 2127
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −153.6
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.00606
Std Dev 1.241
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

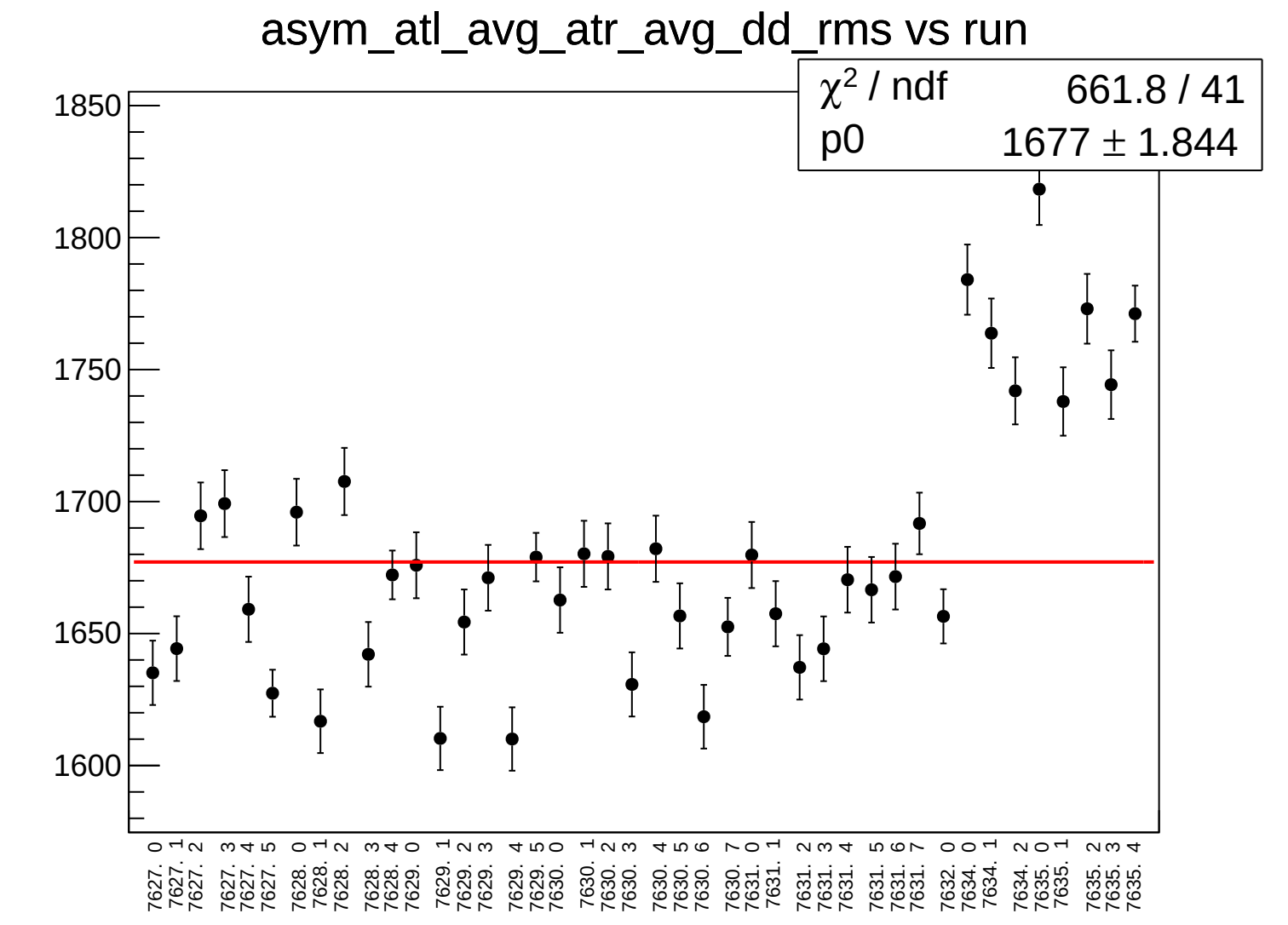

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 86.56 / 41
p0 1368 ± 1.504
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

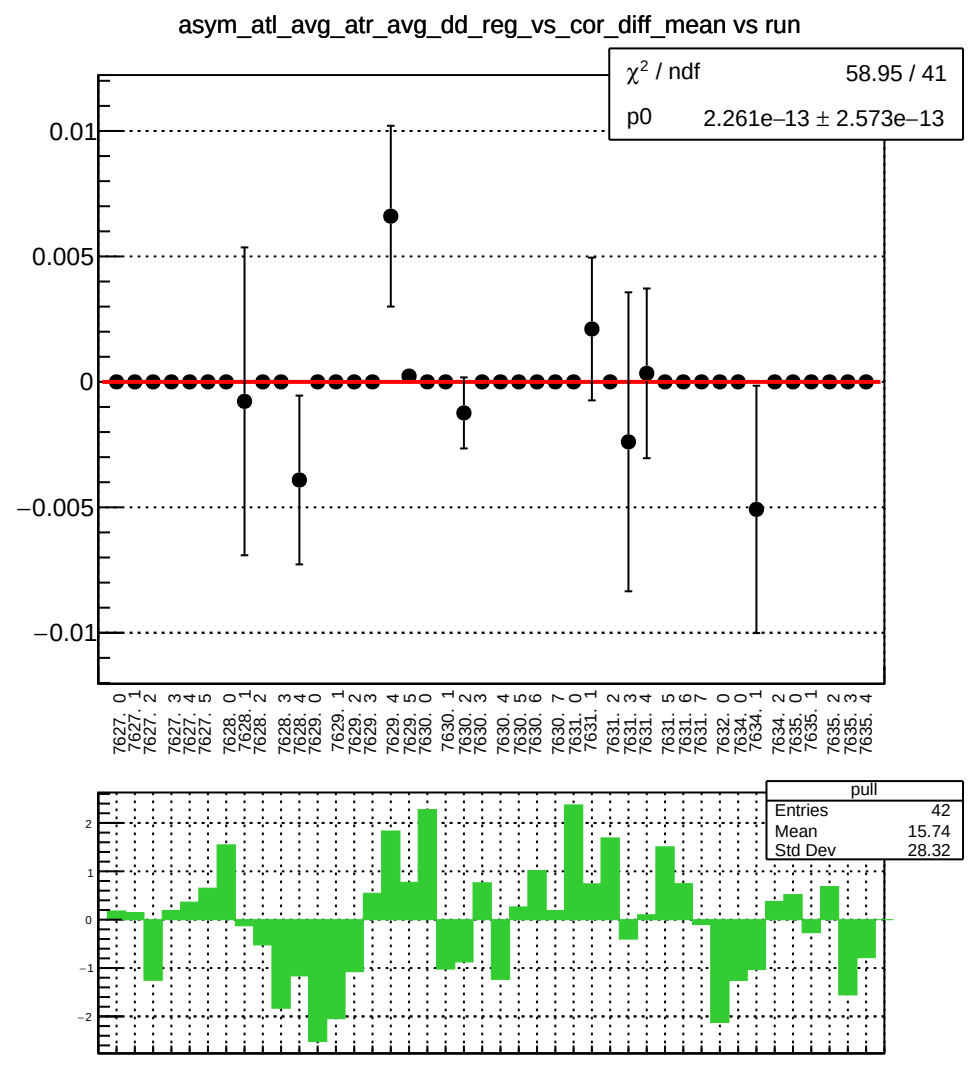

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 31.68 / 41
p0 −2684 ± 1488
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 501.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.002546
Std Dev 0.8685
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

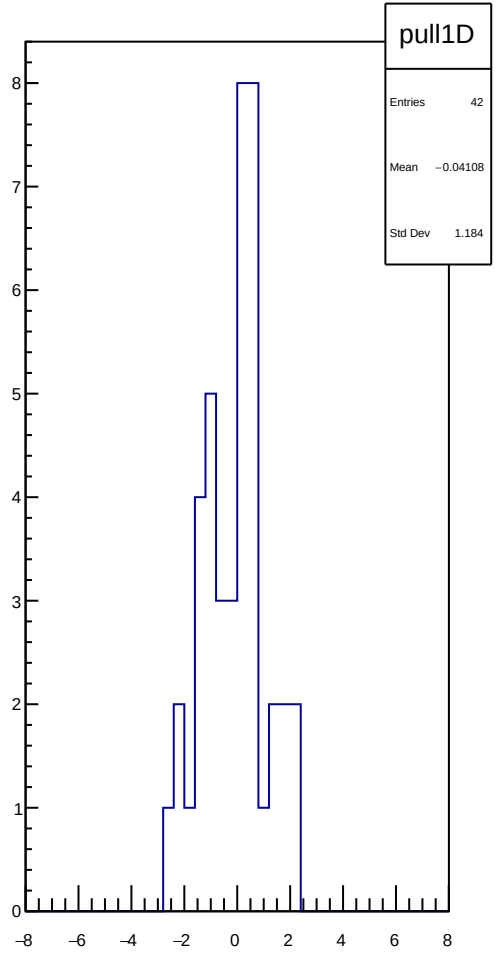

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 5454 / 41
p0 954.3 ± 1.052
1200
1150
1100
1050
1000
950
900
850
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

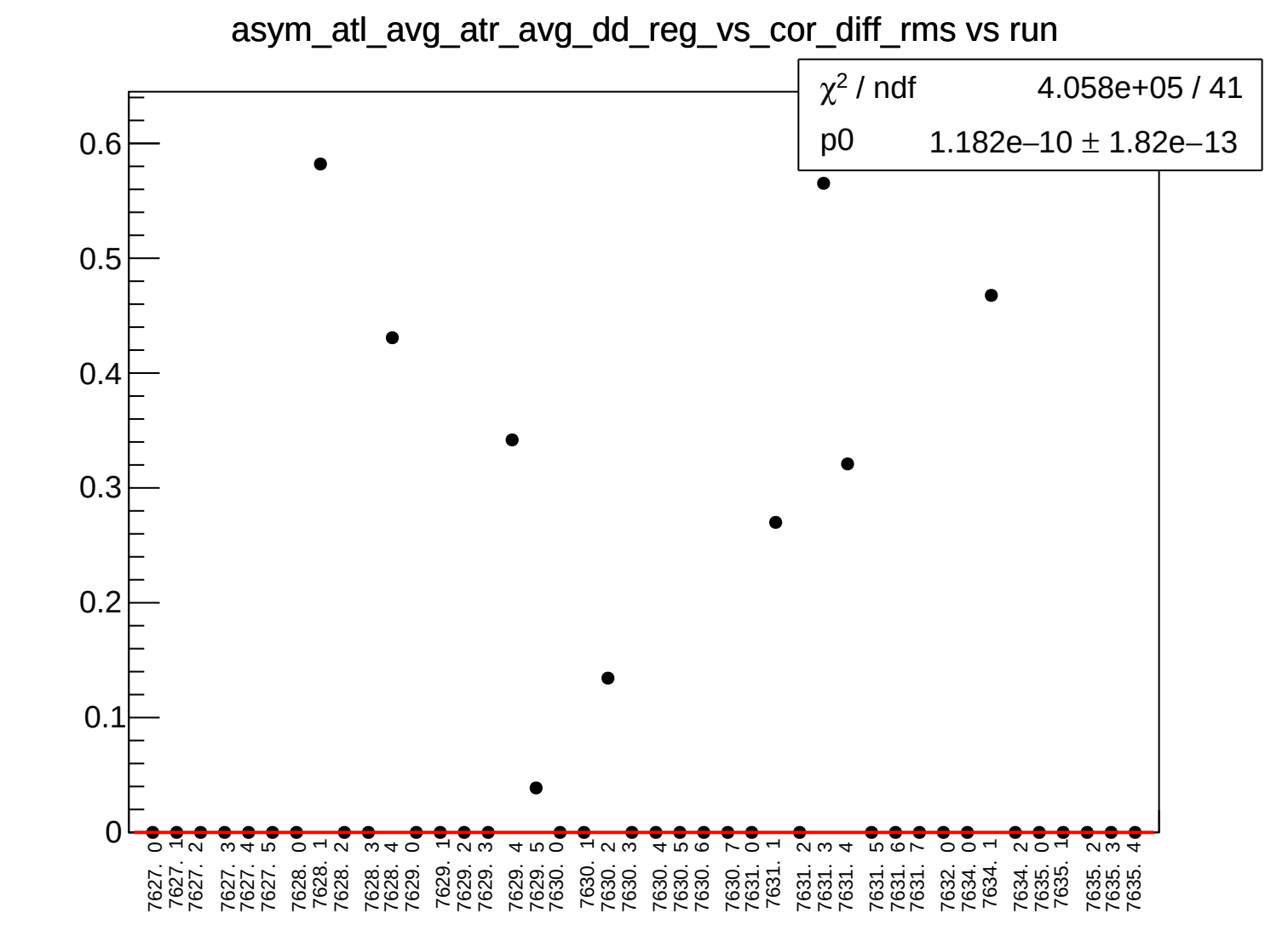

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 55.6 / 41
p0 2104 ± 2608
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.812
Std Dev 33.91
3
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean 0.005217
Std Dev 1.151
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

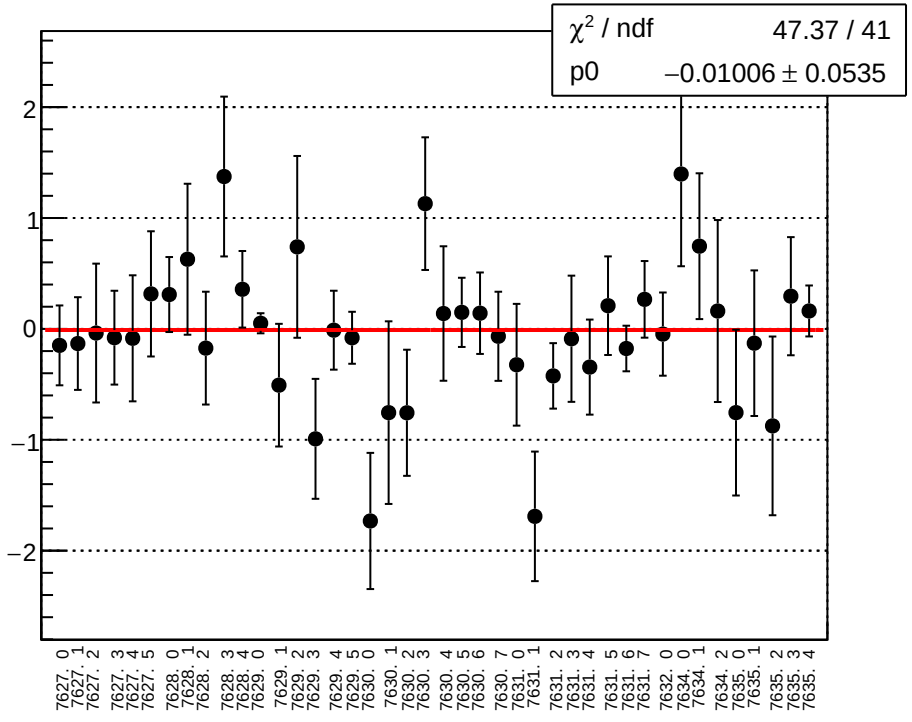

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 661.8 / 41
p0 1677 ± 1.844
1850
1800
1750
1700
1650
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

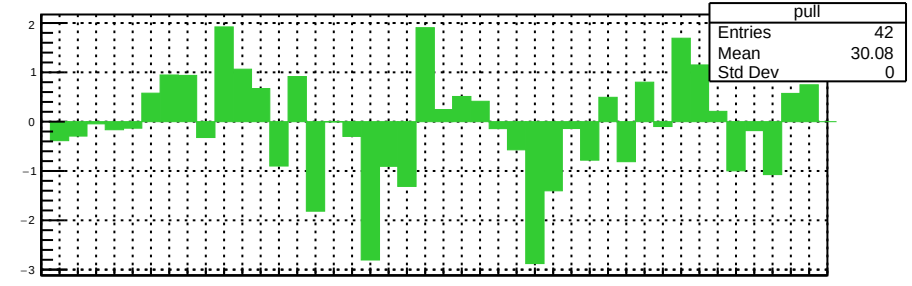

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.95 / 41
p0 2.261e−13 ± 2.573e−13
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.74
Std Dev 28.32
2
1
0
−1
−2

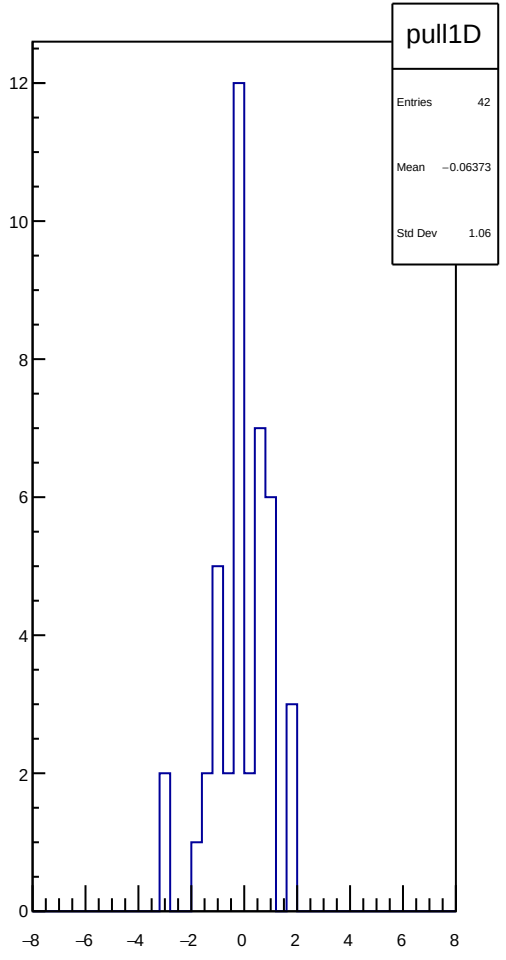

pull1D
Entries 42
Mean −0.04108
Std Dev 1.184
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

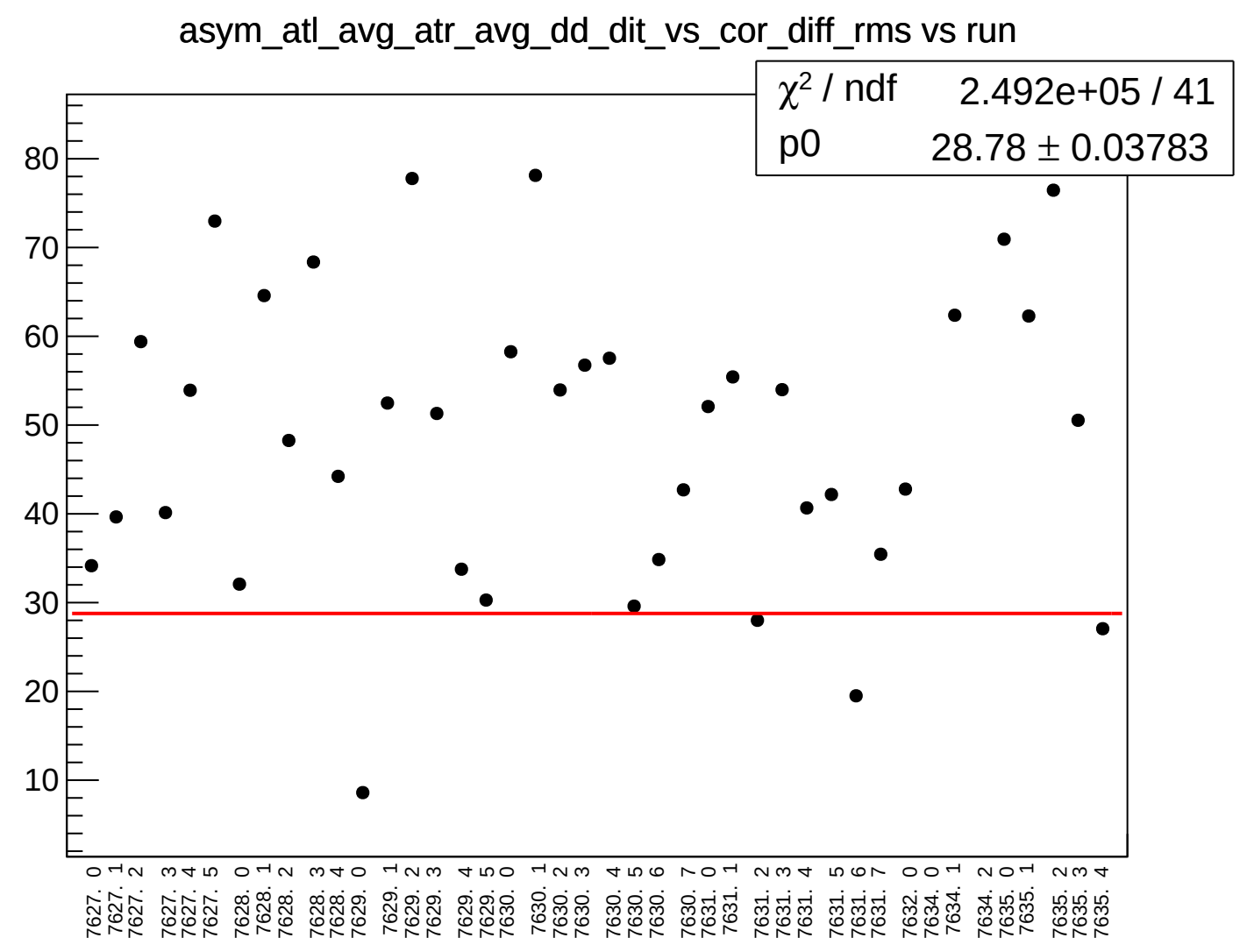

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.058e+05 / 41
p0 1.182e−10 ± 1.82e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

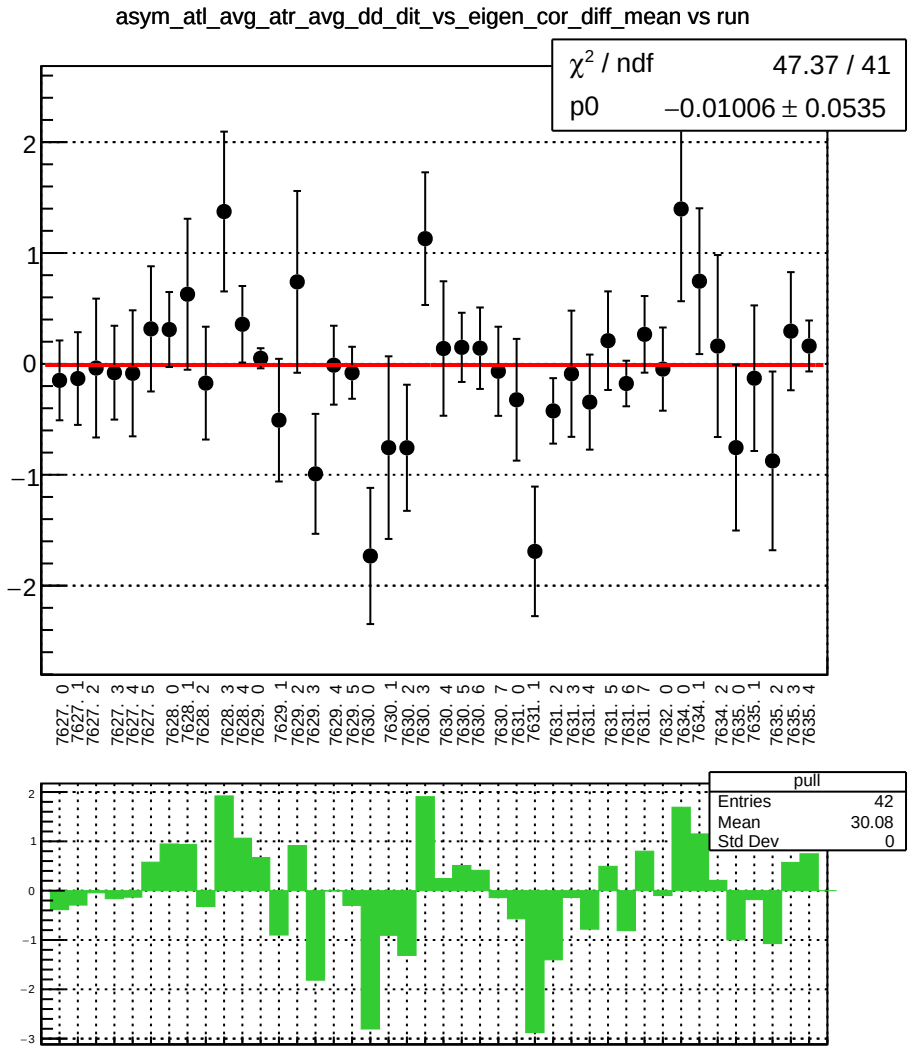
asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run

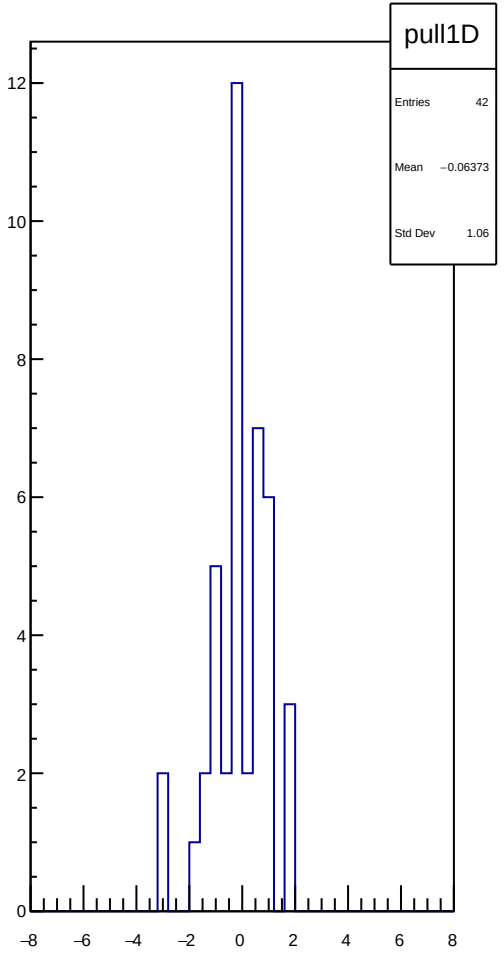


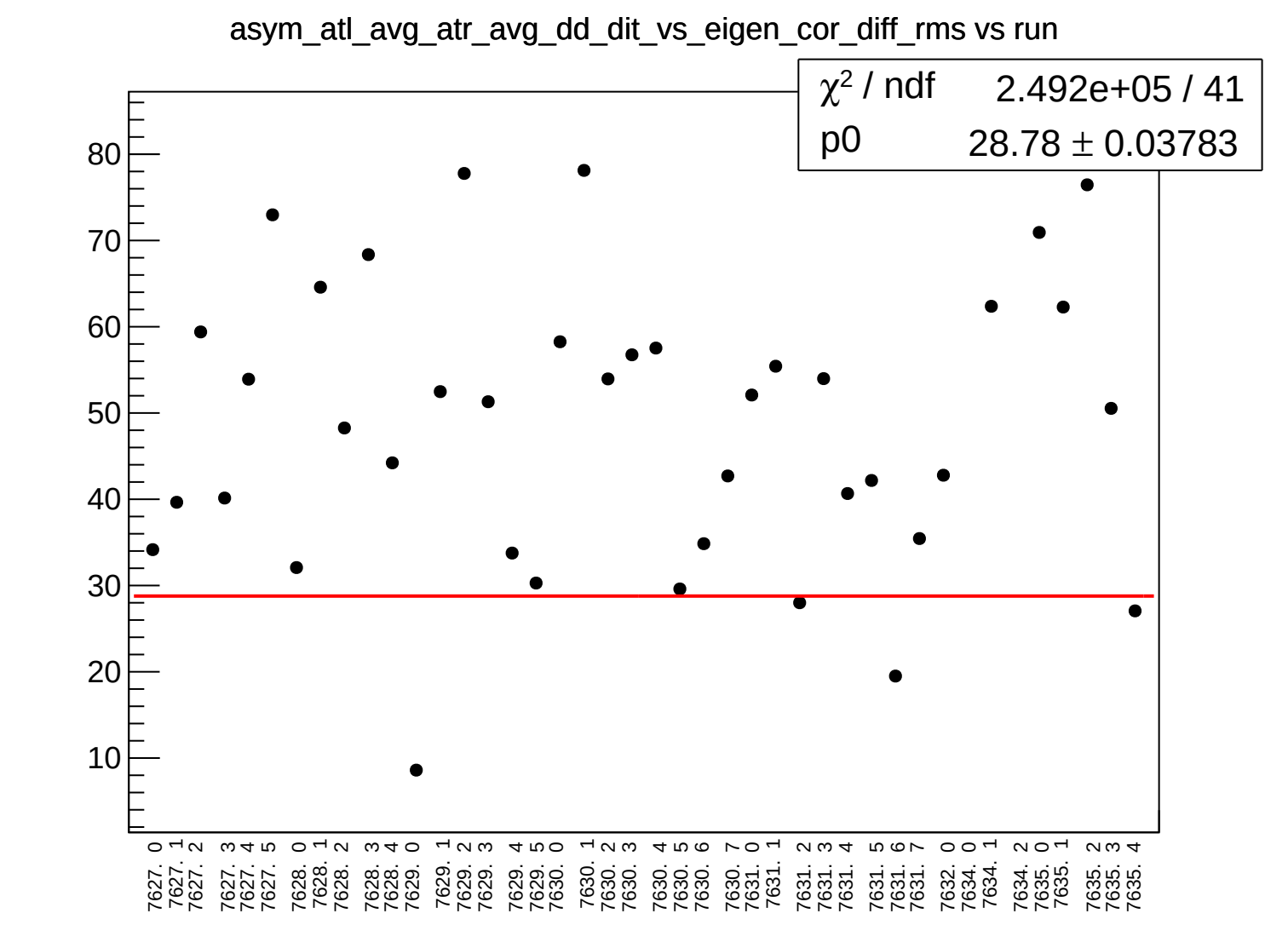


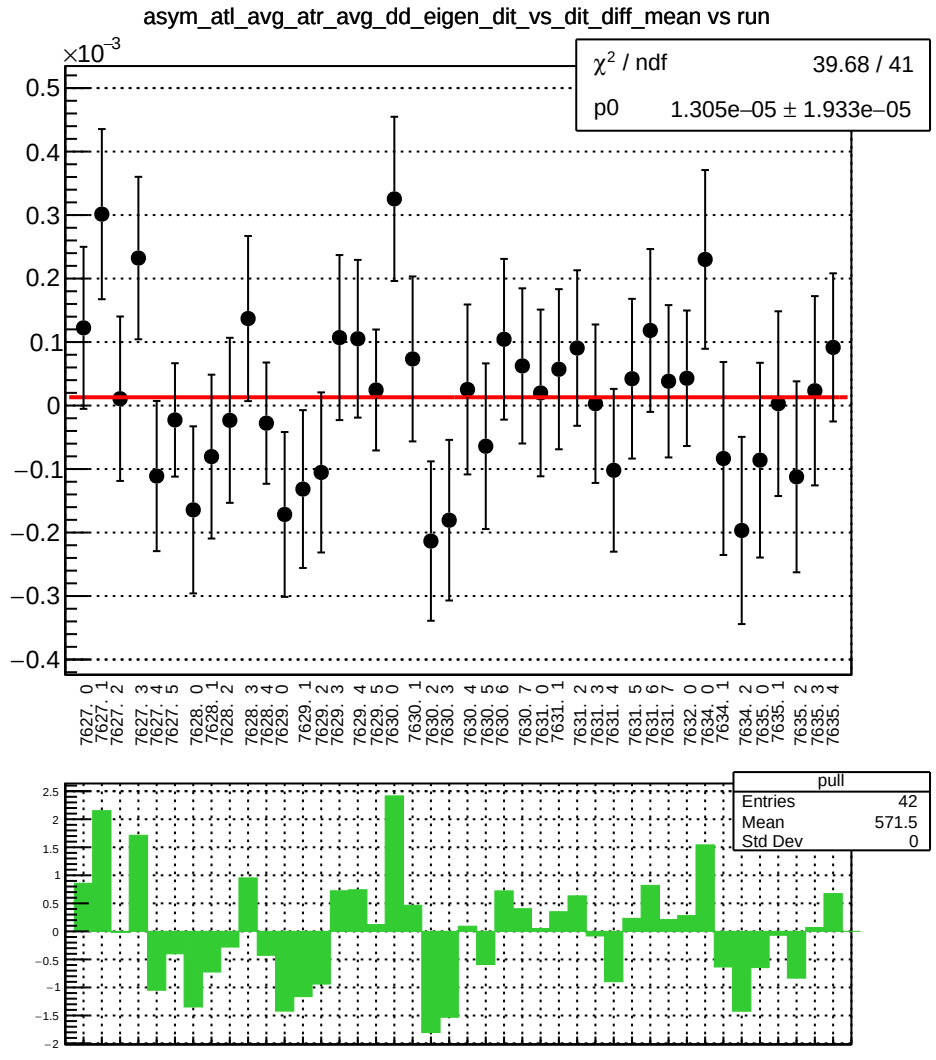


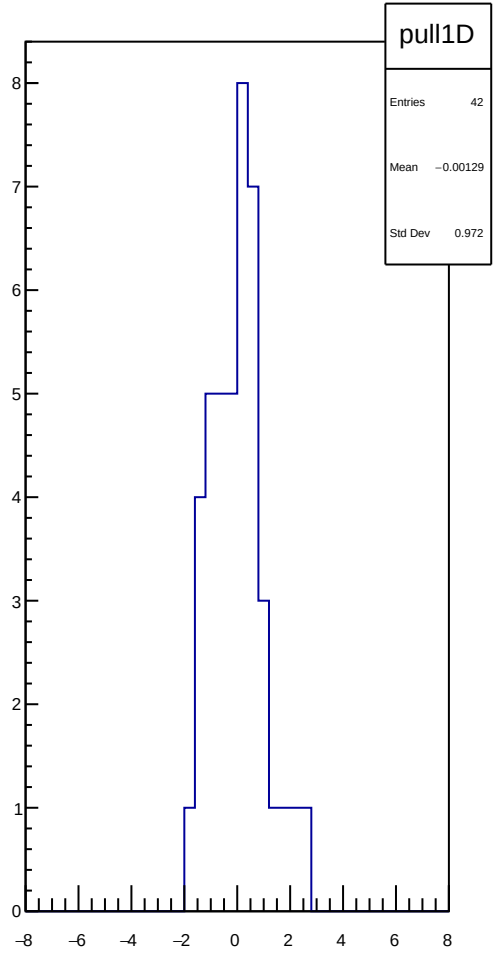

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.492e+05 / 41
p0 28.78 ± 0.03783
80
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

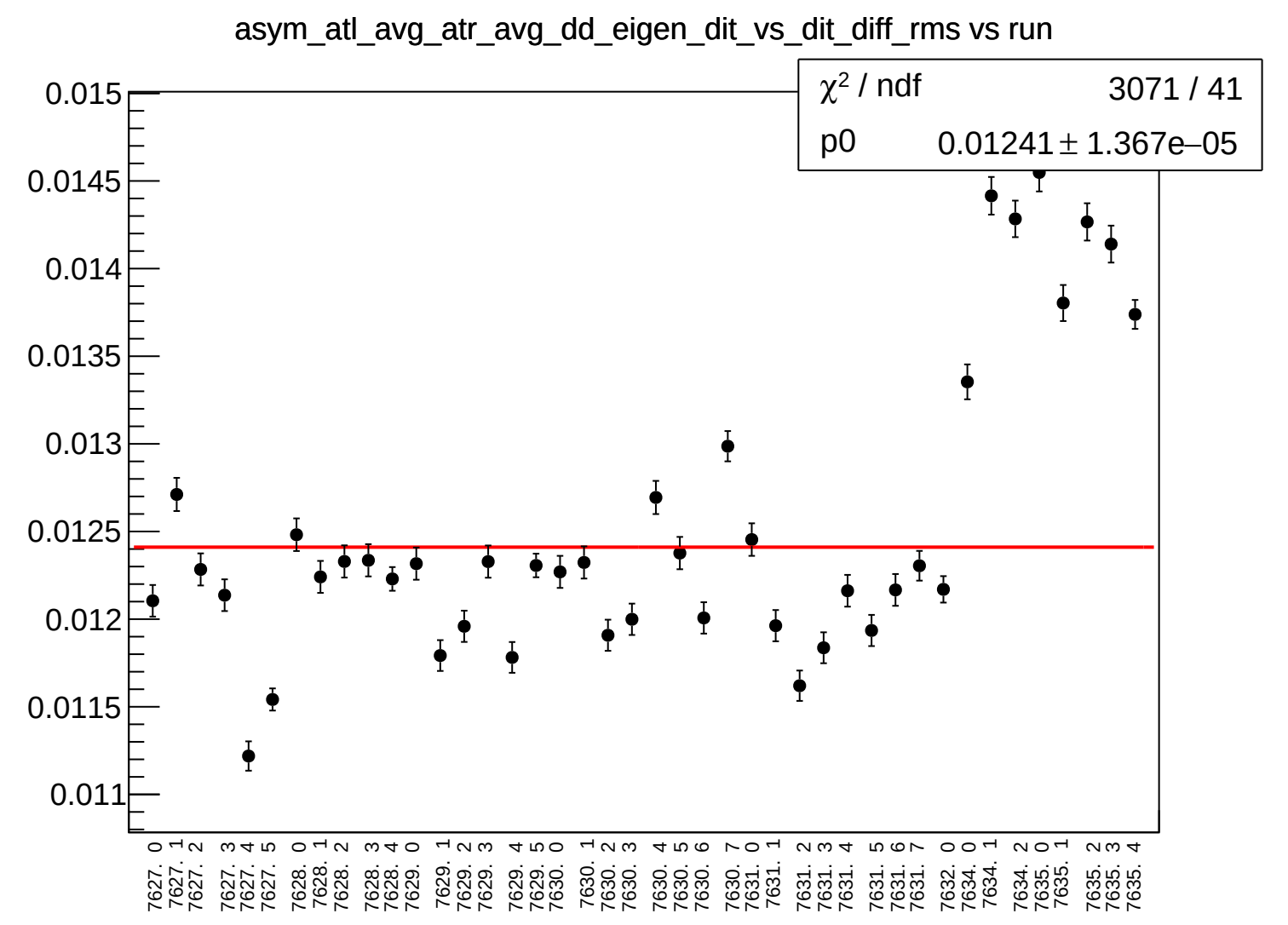

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.37 / 41
p0 −0.01006 ± 0.0535
pull
Entries 42
Mean 30.08
Std Dev 0

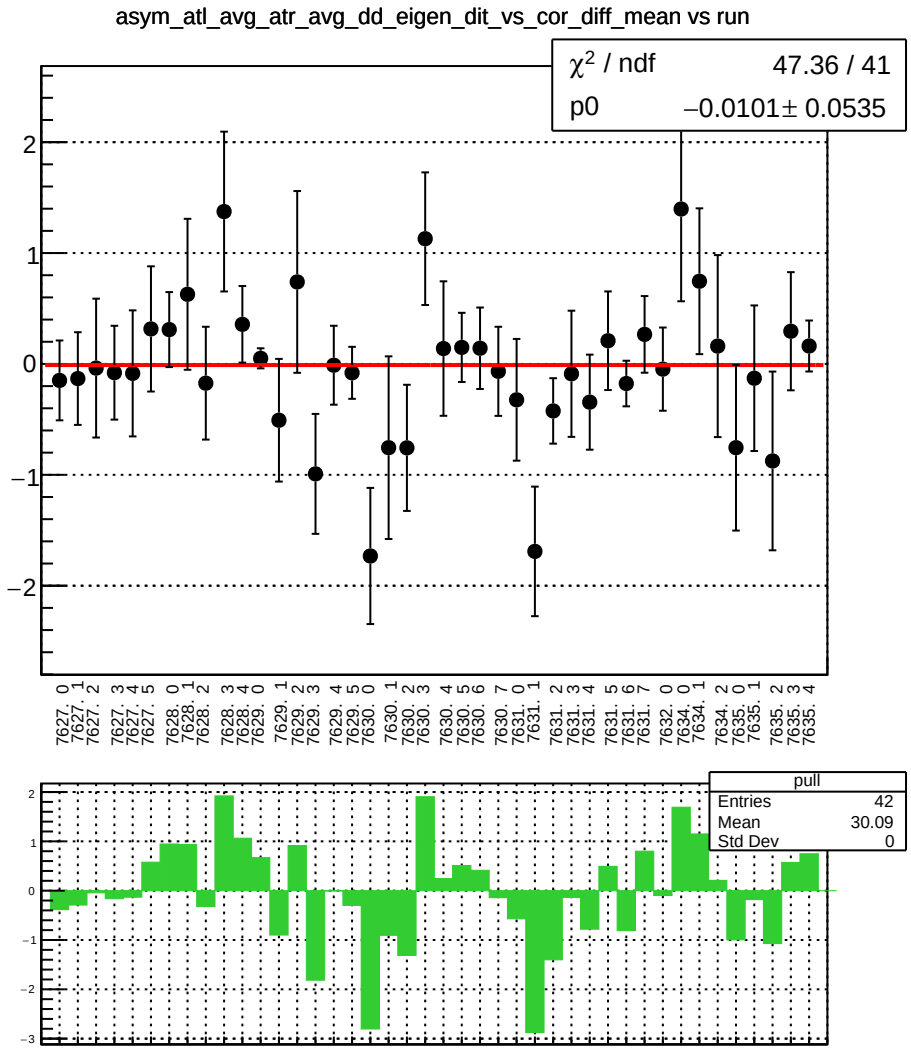

pull1D
Entries 42
Mean −0.06373
Std Dev 1.06

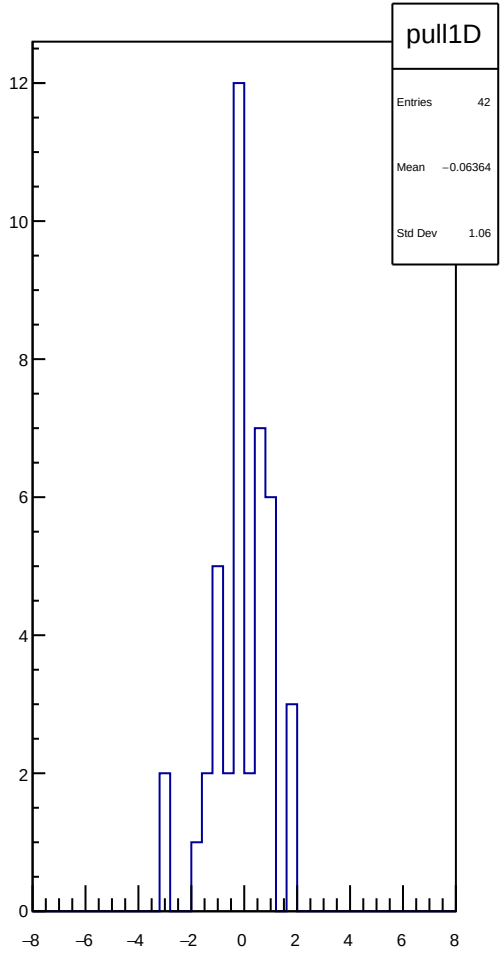

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.492e+05 / 41
p0 28.78 ± 0.03783
80
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

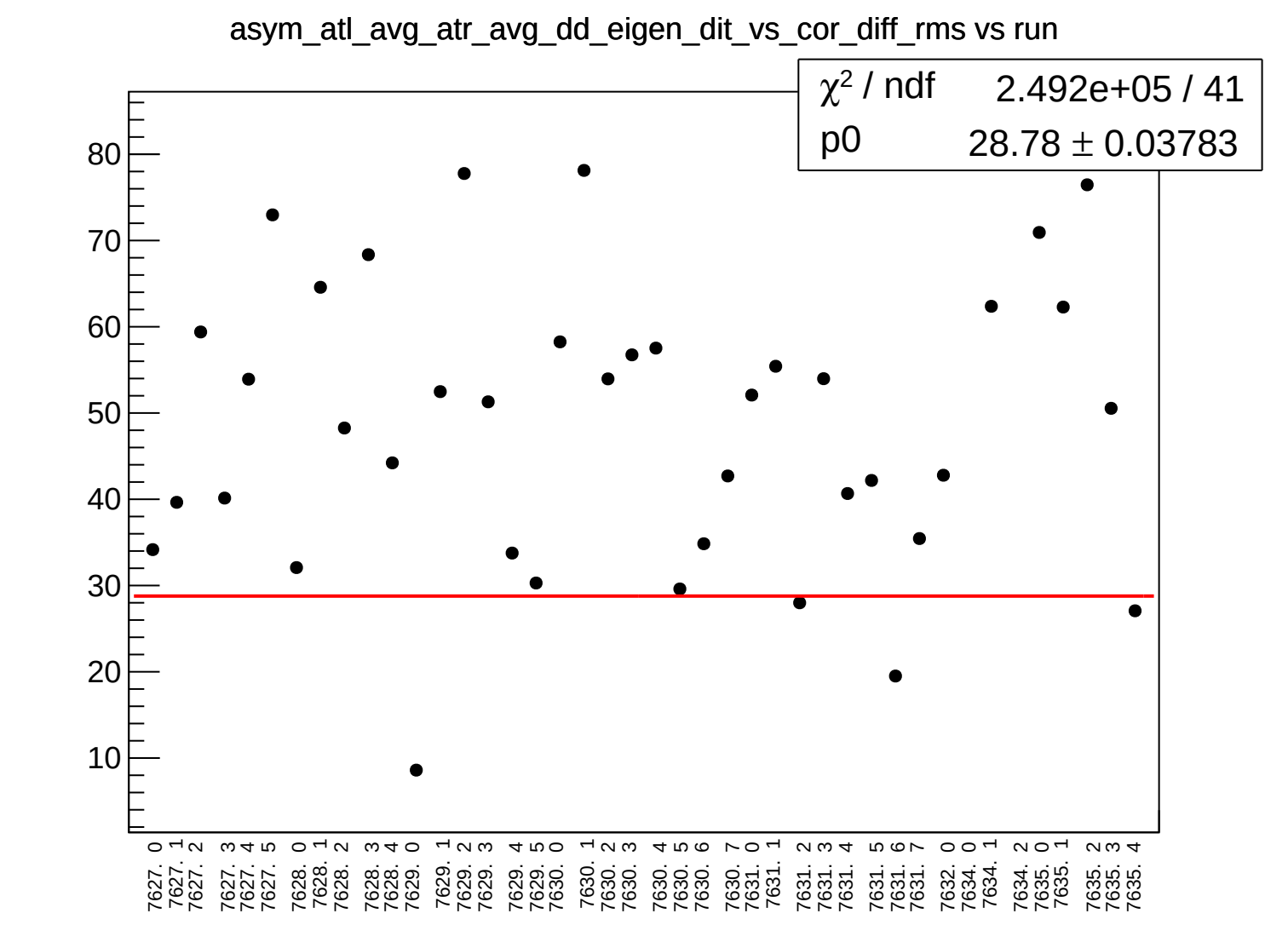

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.68 / 41
p0 1.305e−05 ± 1.933e−05
pull
Entries 42
Mean 571.5
Std Dev 0

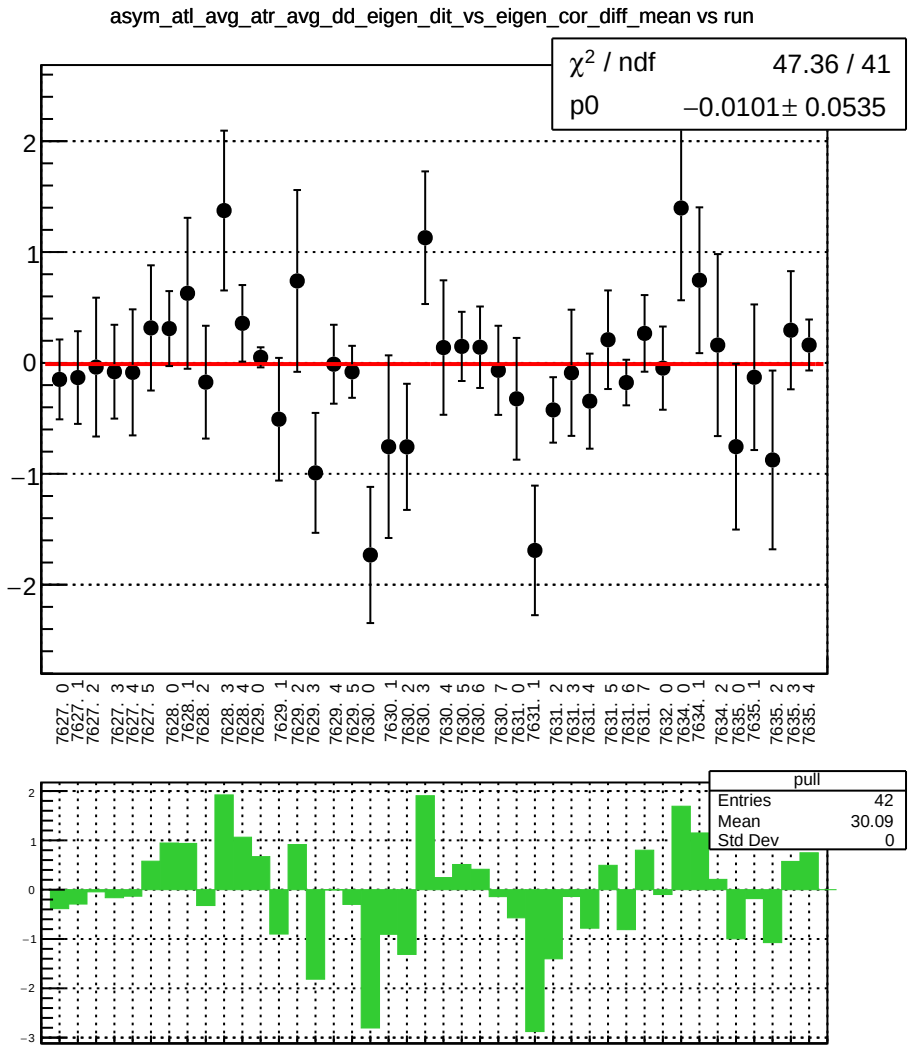

pull1D
Entries 42
Mean −0.00129
Std Dev 0.972

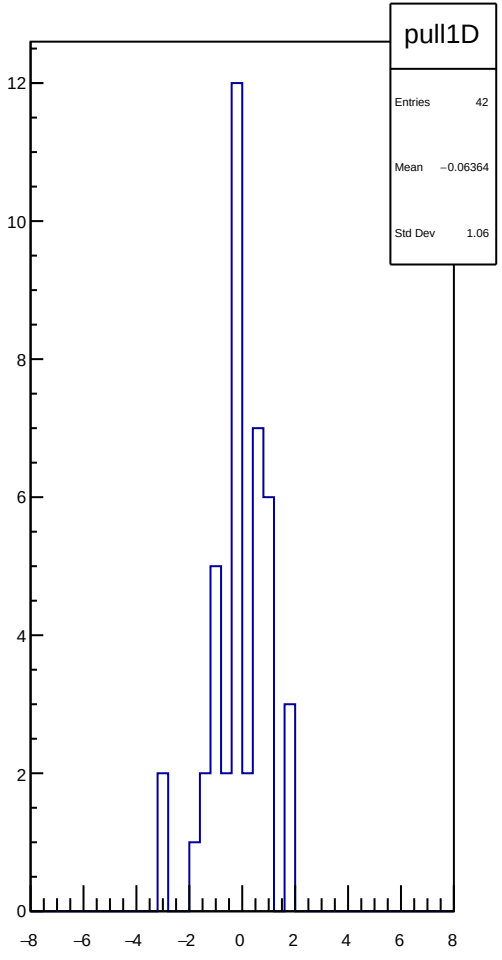

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3071 / 41
p0 0.01241 ± 1.367e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

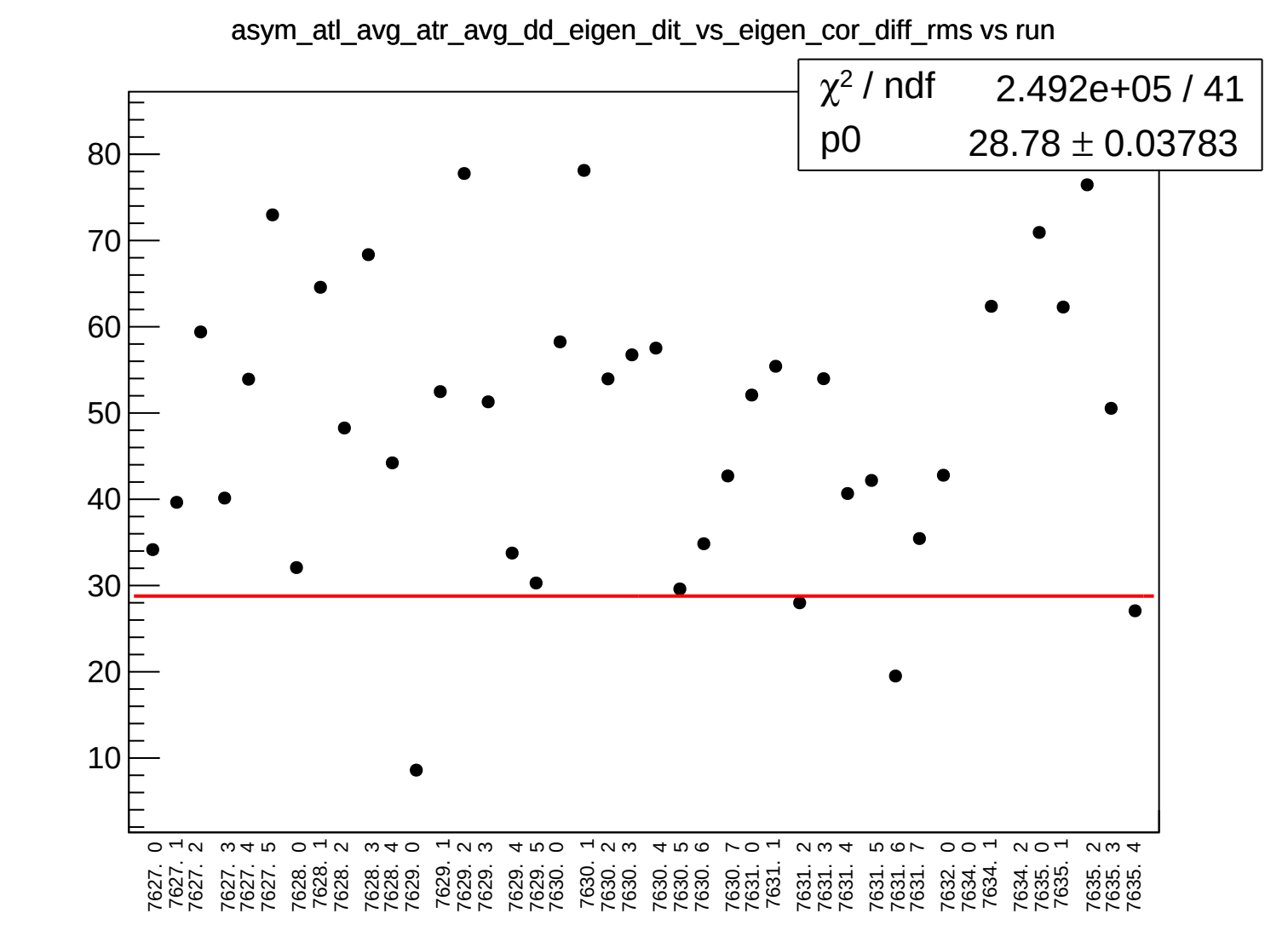

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.36 / 41
p0 −0.0101± 0.0535
pull
Entries 42
Mean 30.09
Std Dev 0

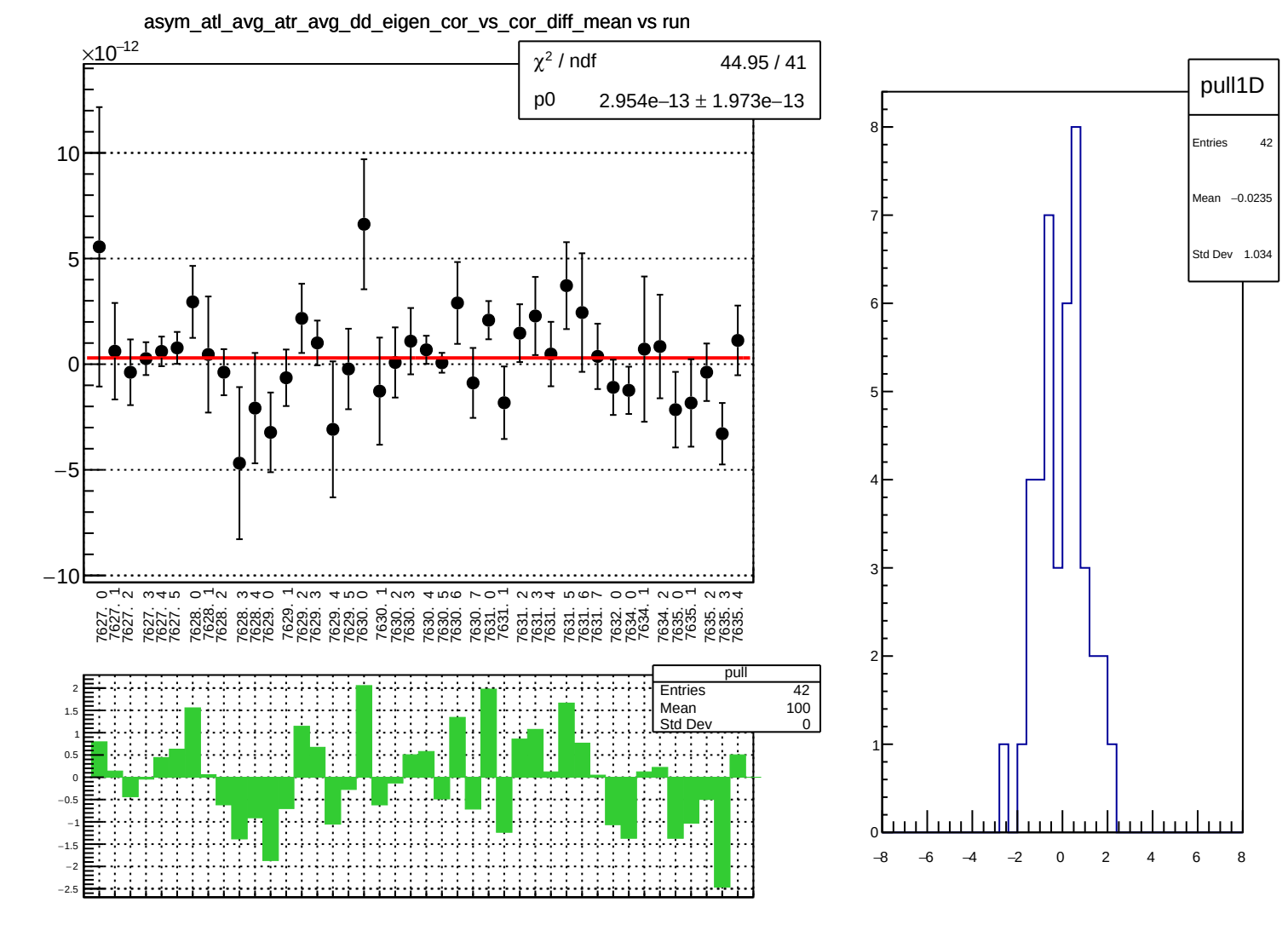

pull1D
Entries 42
Mean −0.06364
Std Dev 1.06

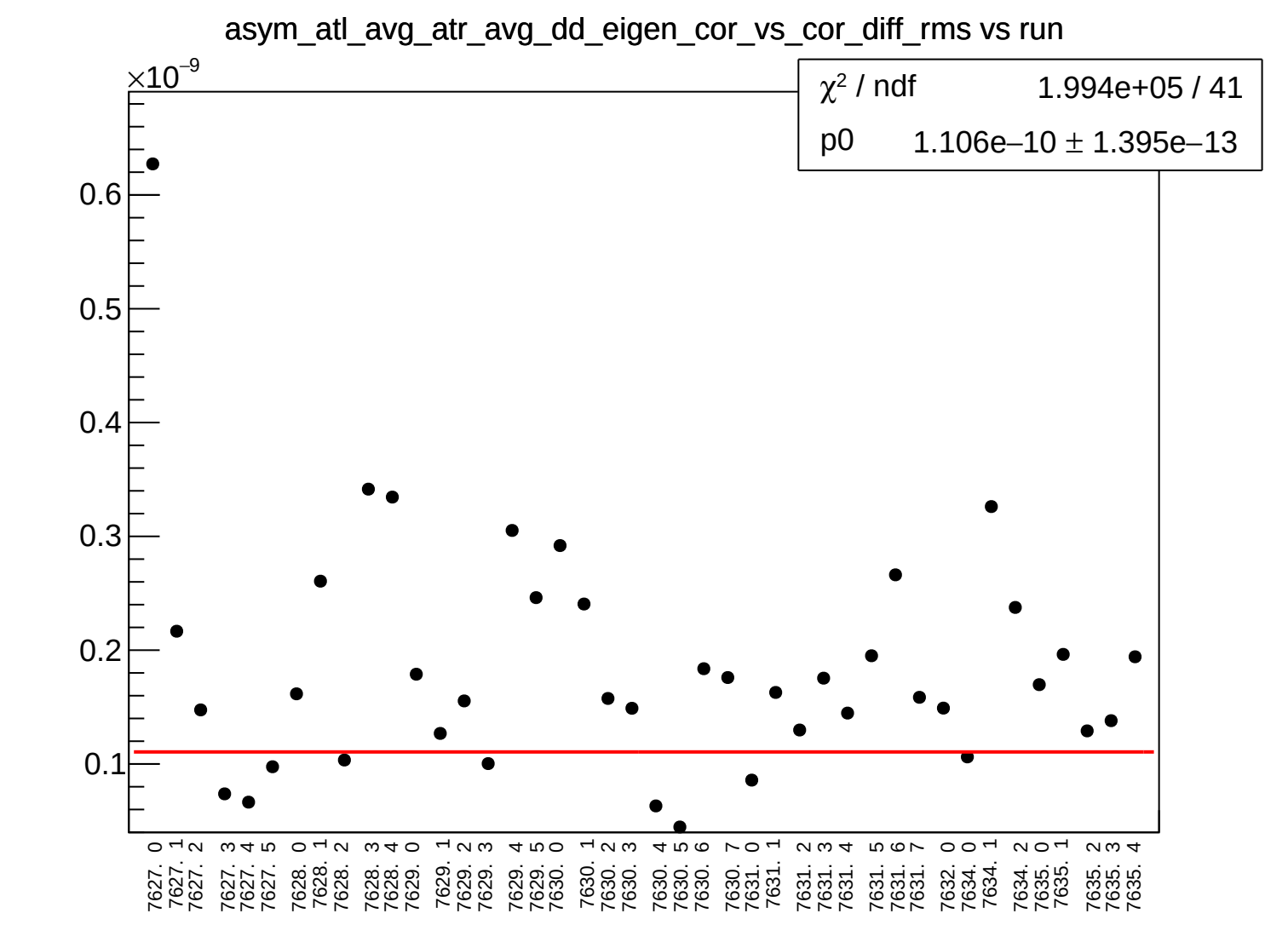

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.492e+05 / 41
p0 28.78 ± 0.03783
80
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

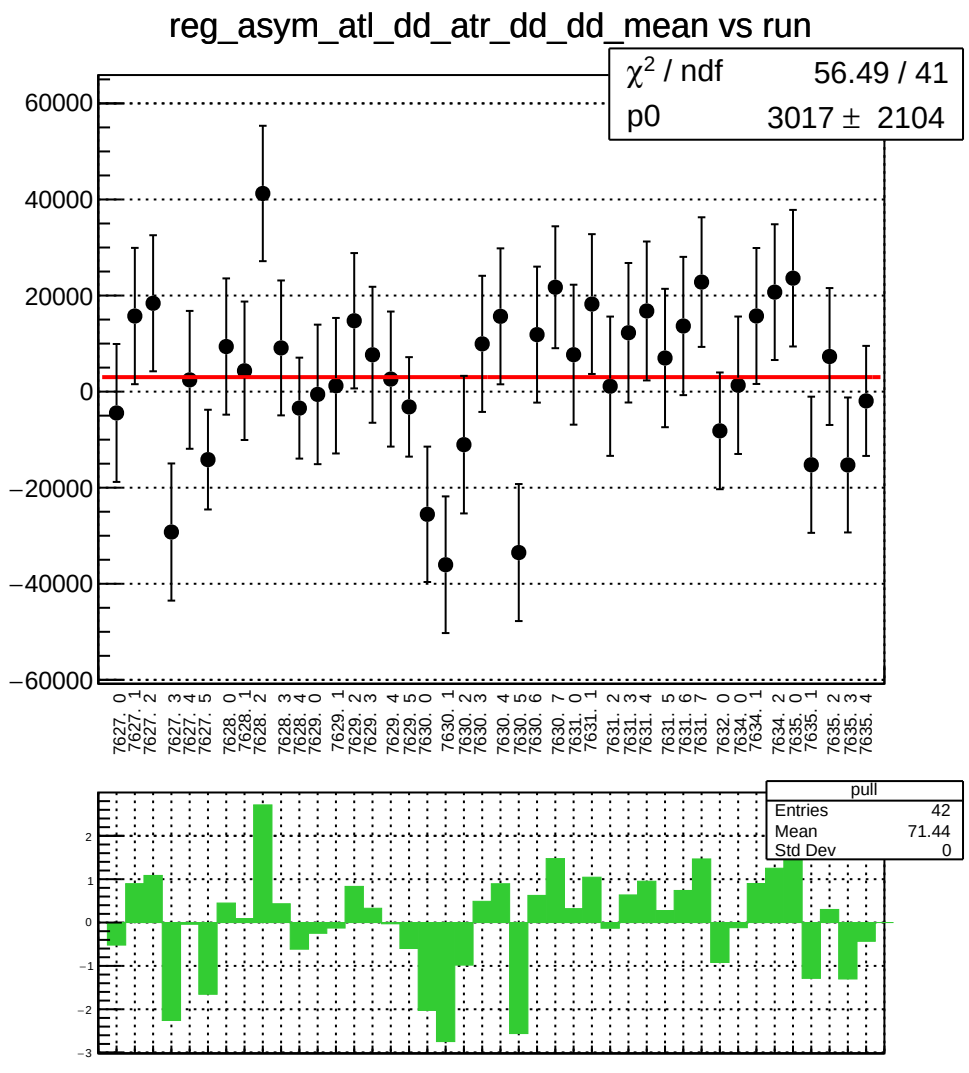

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.36 / 41
p0 −0.0101± 0.0535
pull
Entries 42
Mean 30.09
Std Dev 0

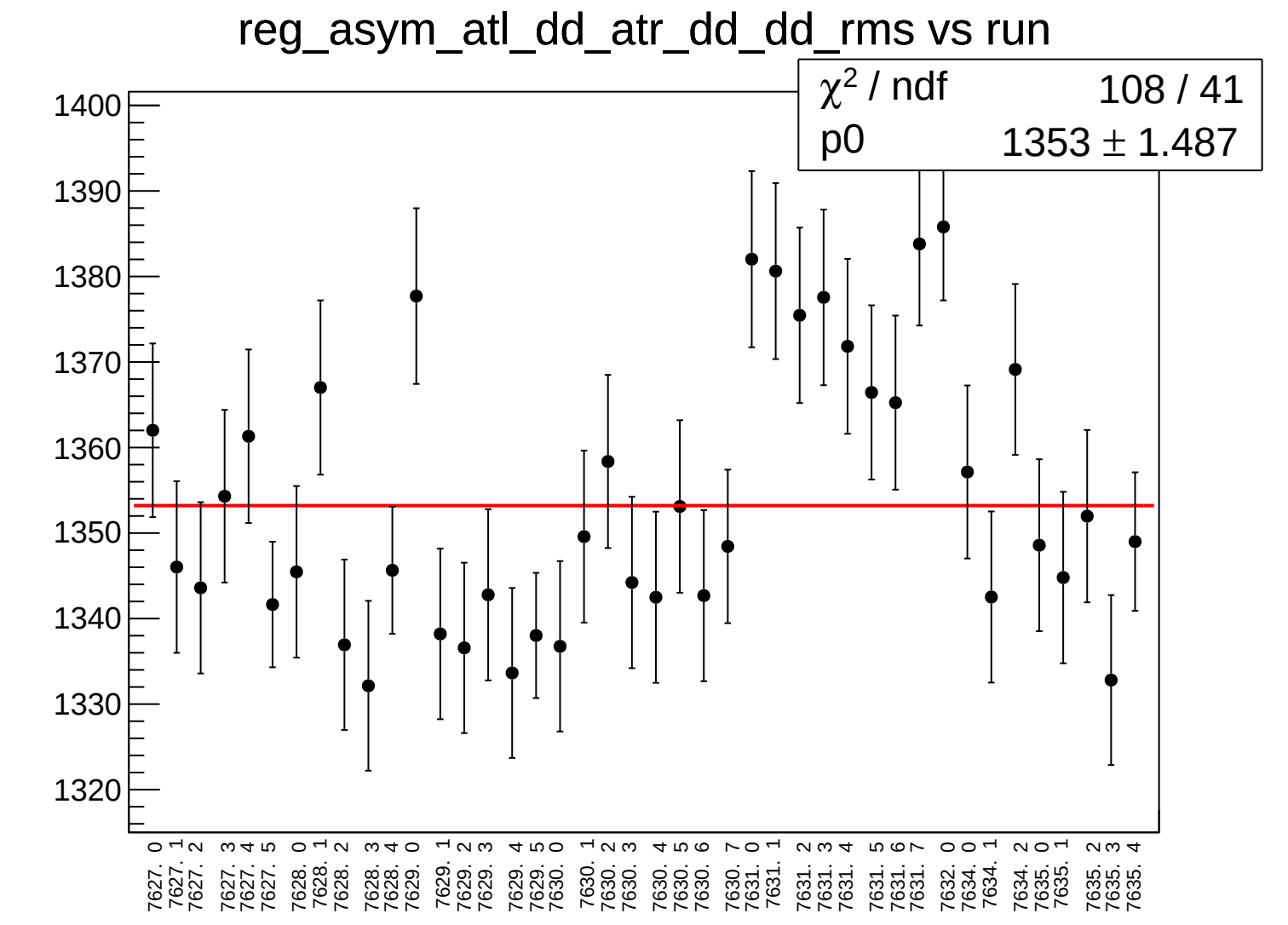

pull1D
Entries 42
Mean −0.06364
Std Dev 1.06

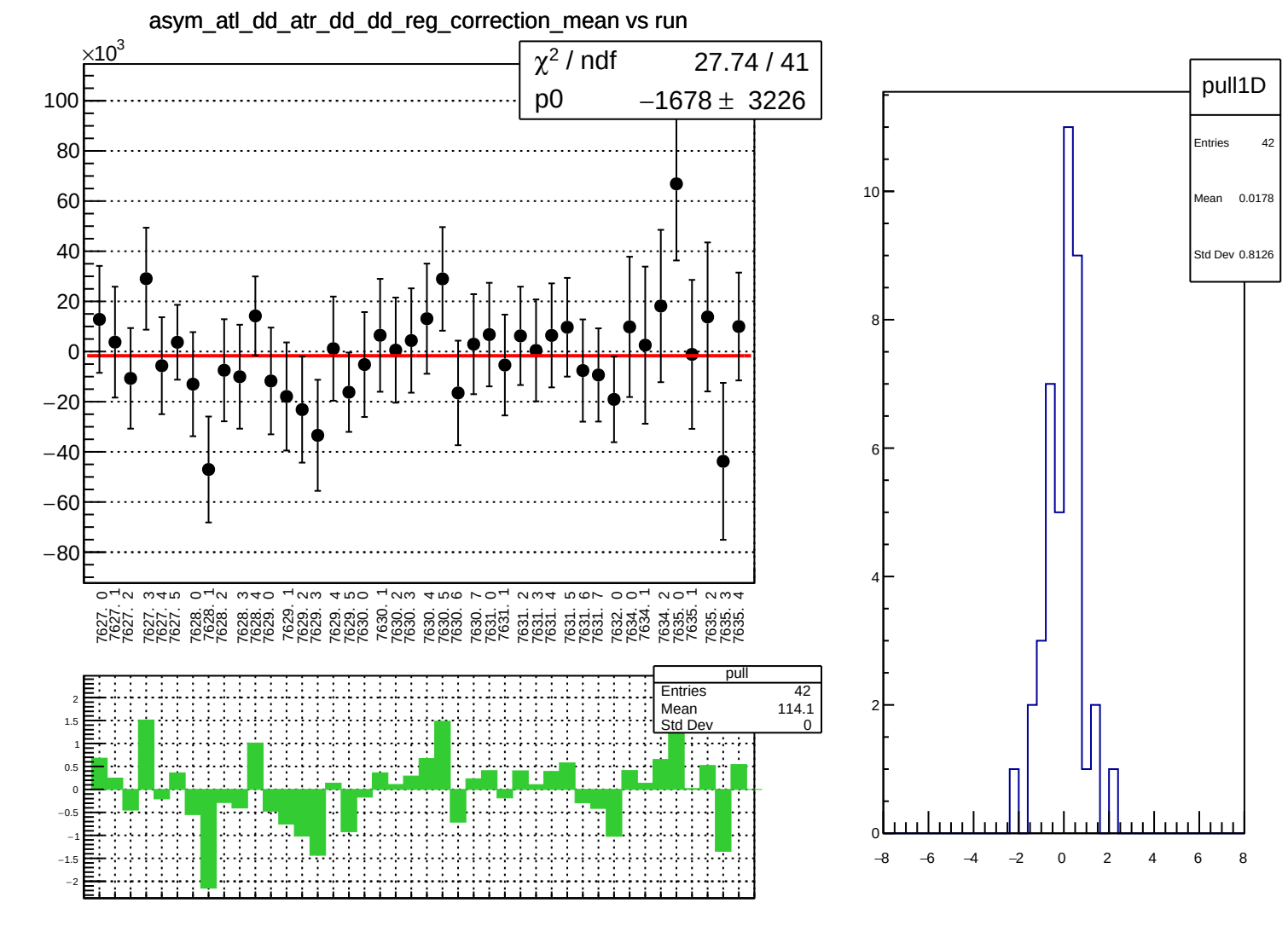

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.492e+05 / 41
p0 28.78 ± 0.03783
80
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

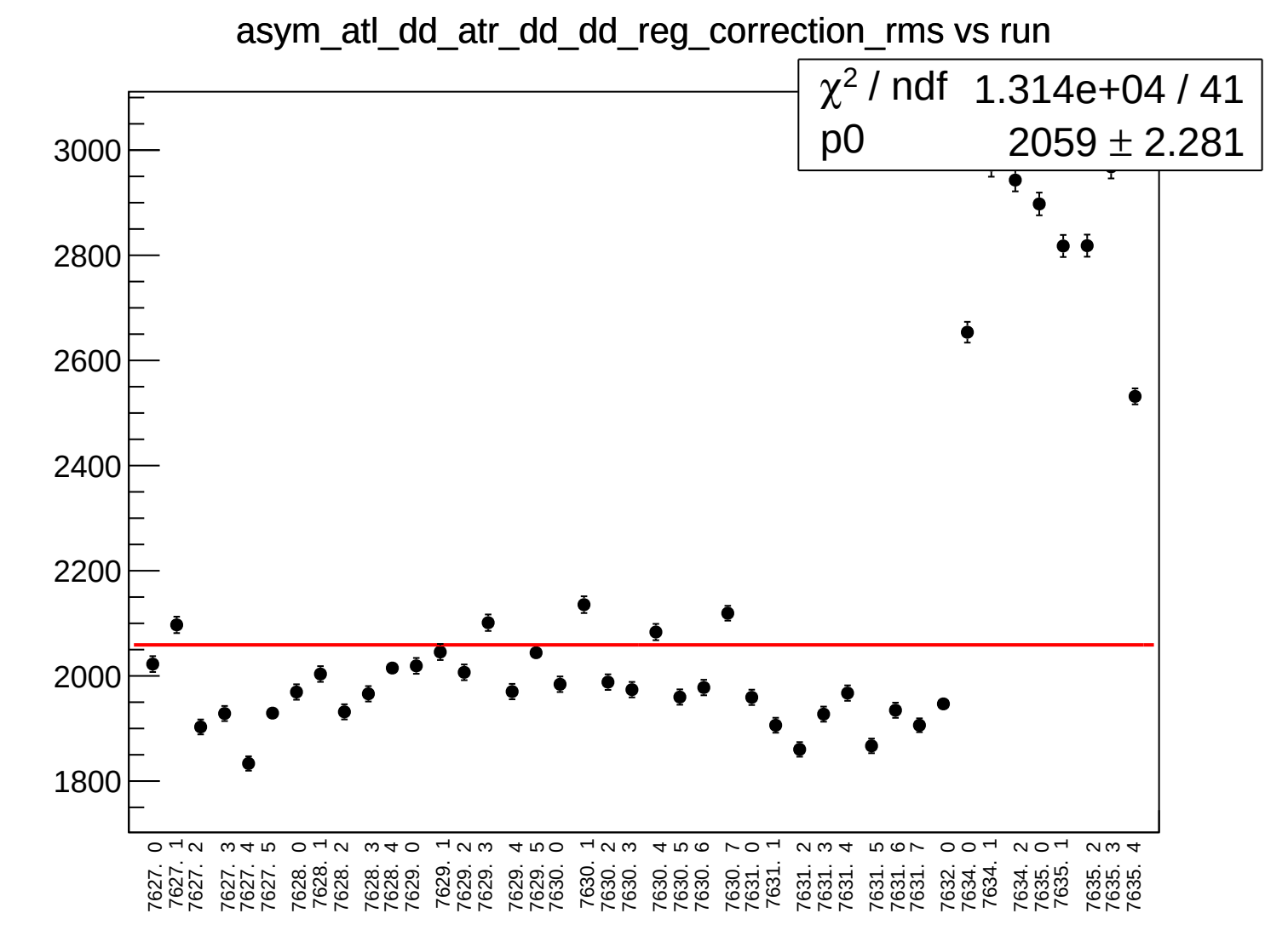

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.95 / 41
p0 2.954e−13 ± 1.973e−13
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 100
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.0235
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

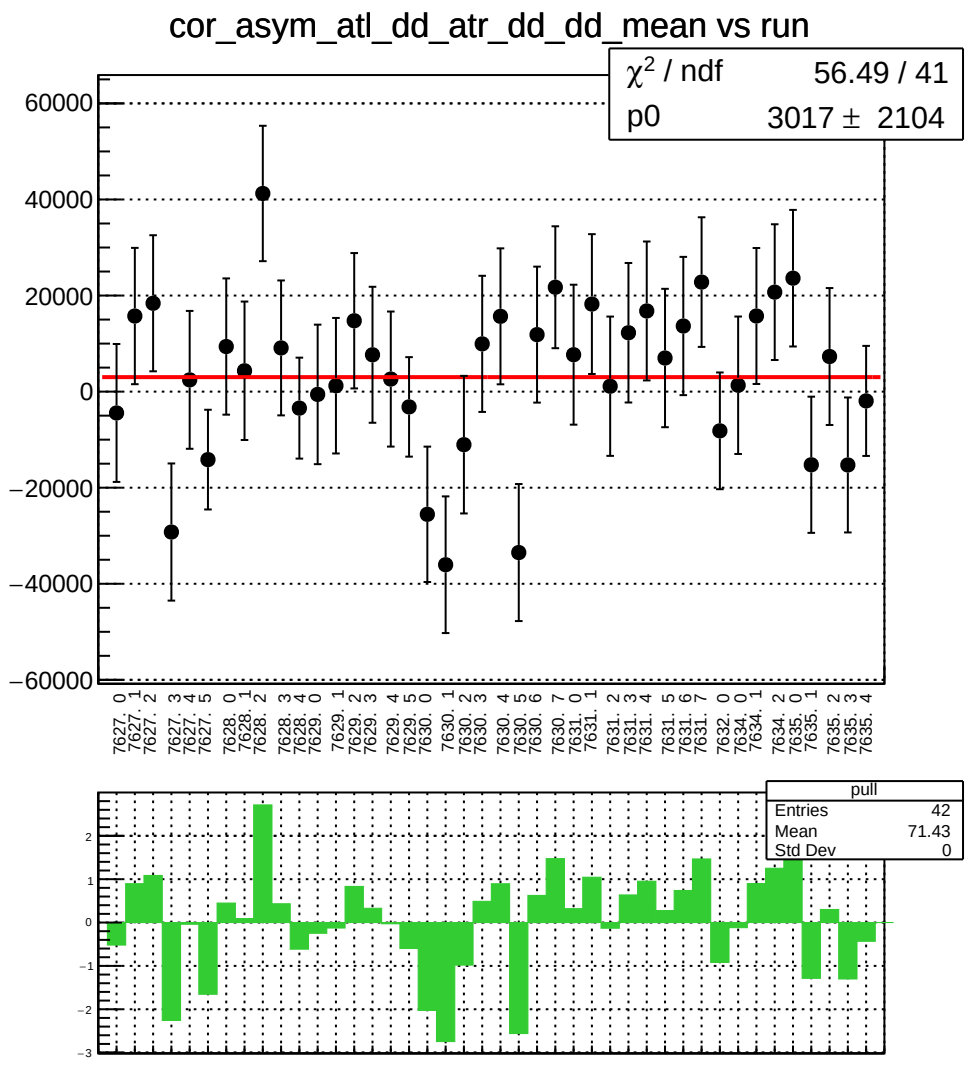

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.994e+05 / 41
p0 1.106e−10 ± 1.395e−13
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

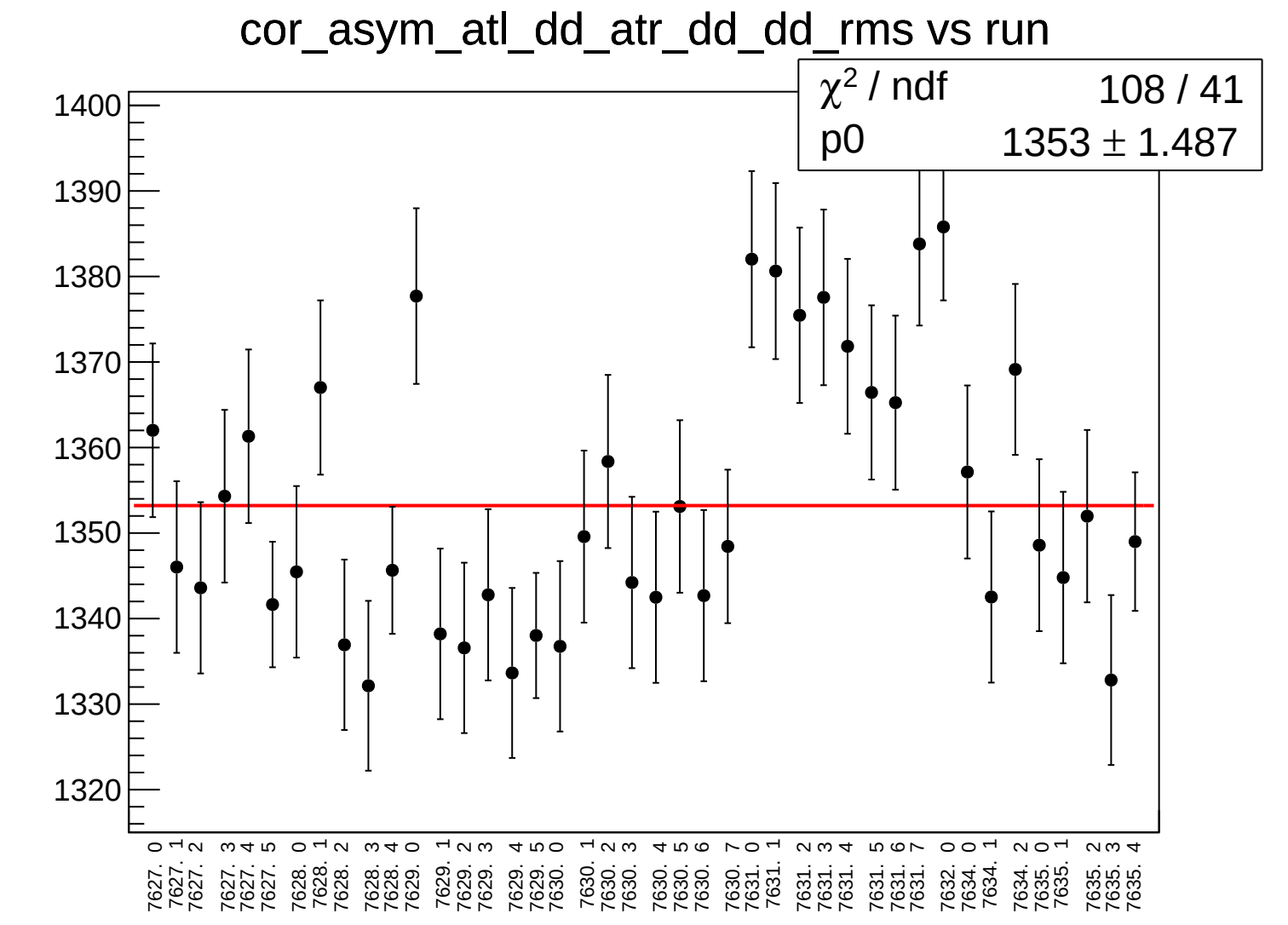

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.49 / 41
p0 3017 ± 2104
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.44
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.02533
Std Dev 1.16
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

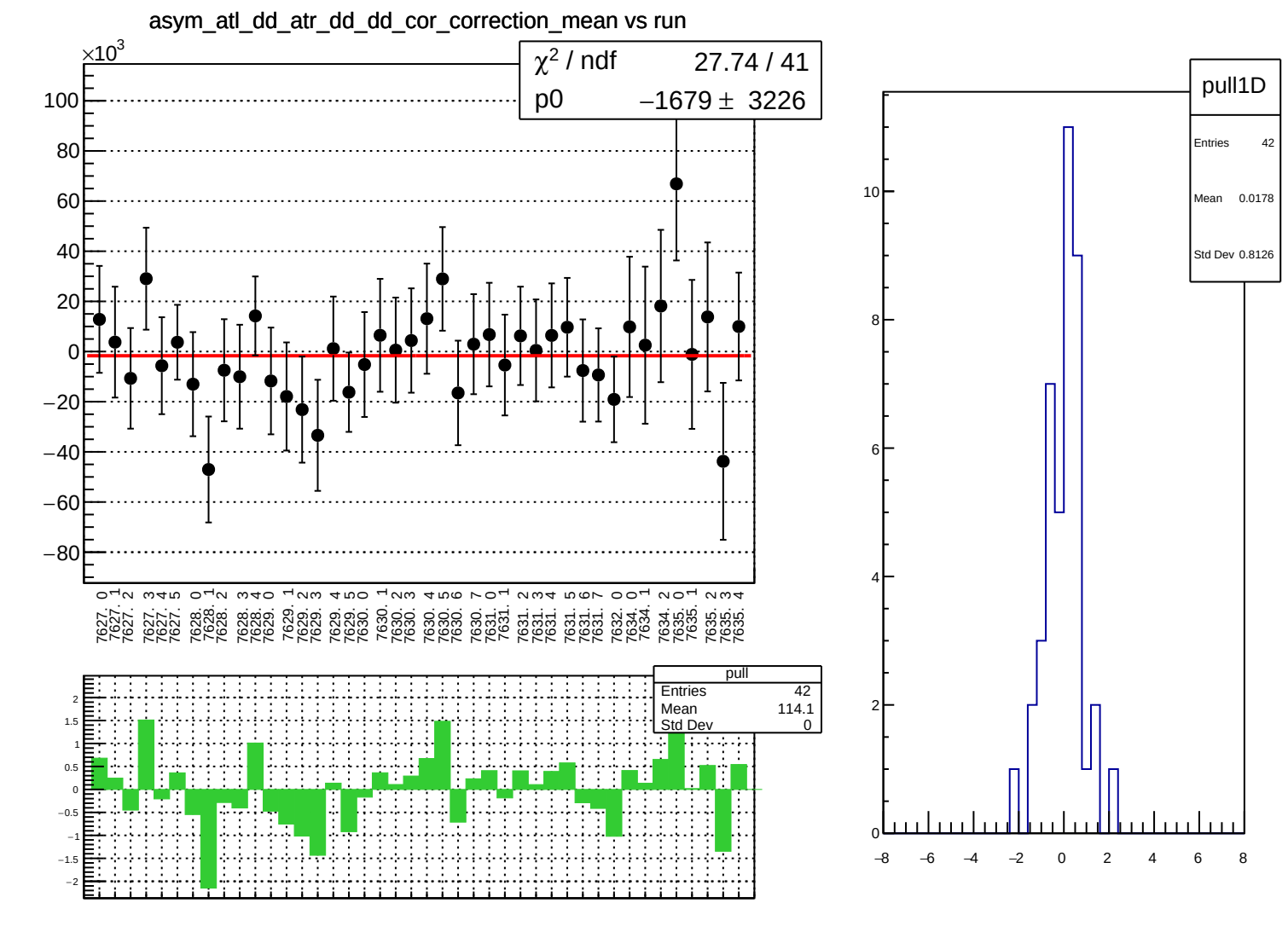

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 108 / 41
p0 1353 ± 1.487
1400
1390
1380
1370
1360
1350
1340
1330
1320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

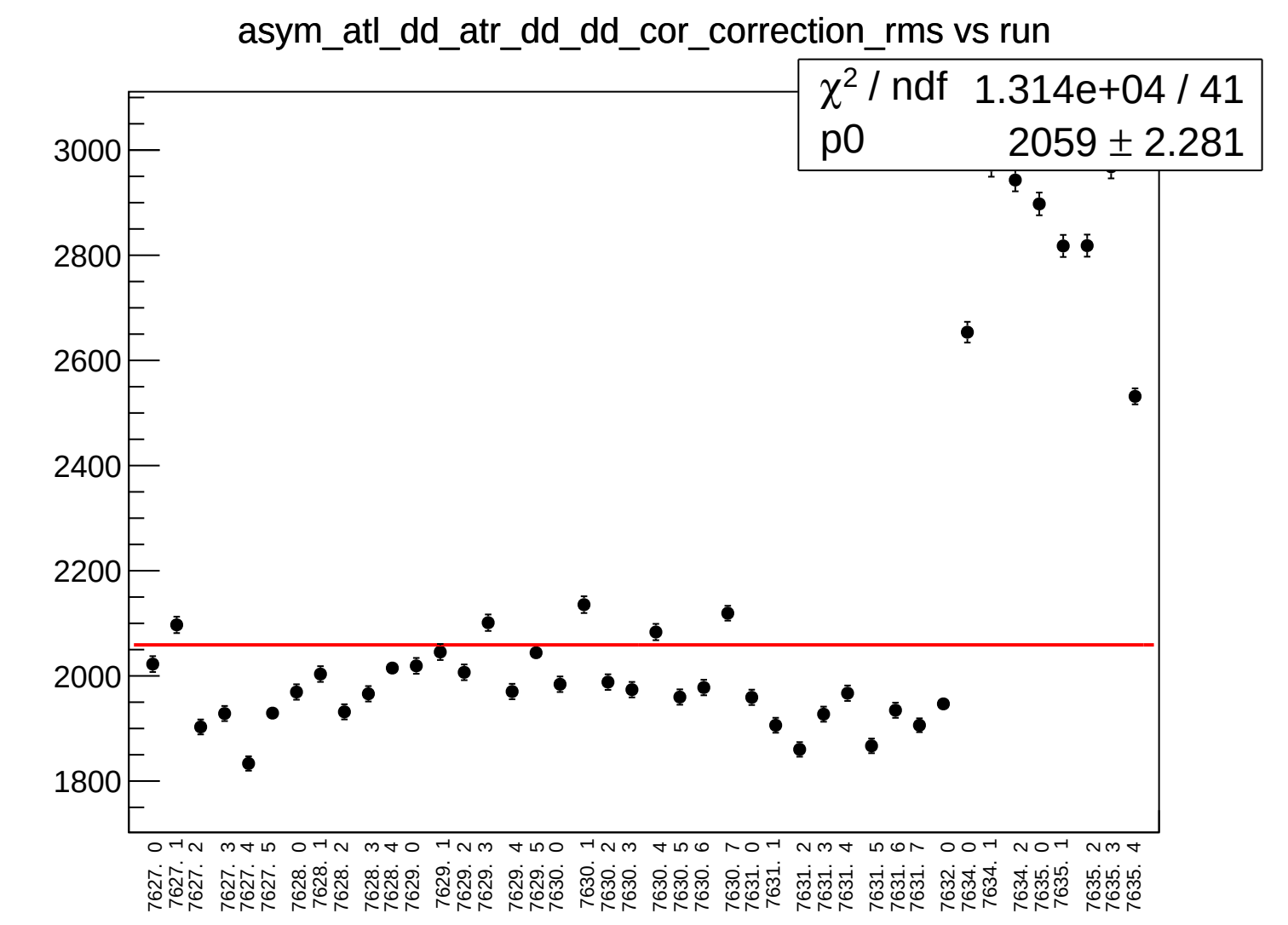

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 27.74 / 41
p0 −1678 ± 3226
pull
Entries 42
Mean 114.1
Std Dev 0
pull1D
Entries 42
Mean 0.0178
Std Dev 0.8126

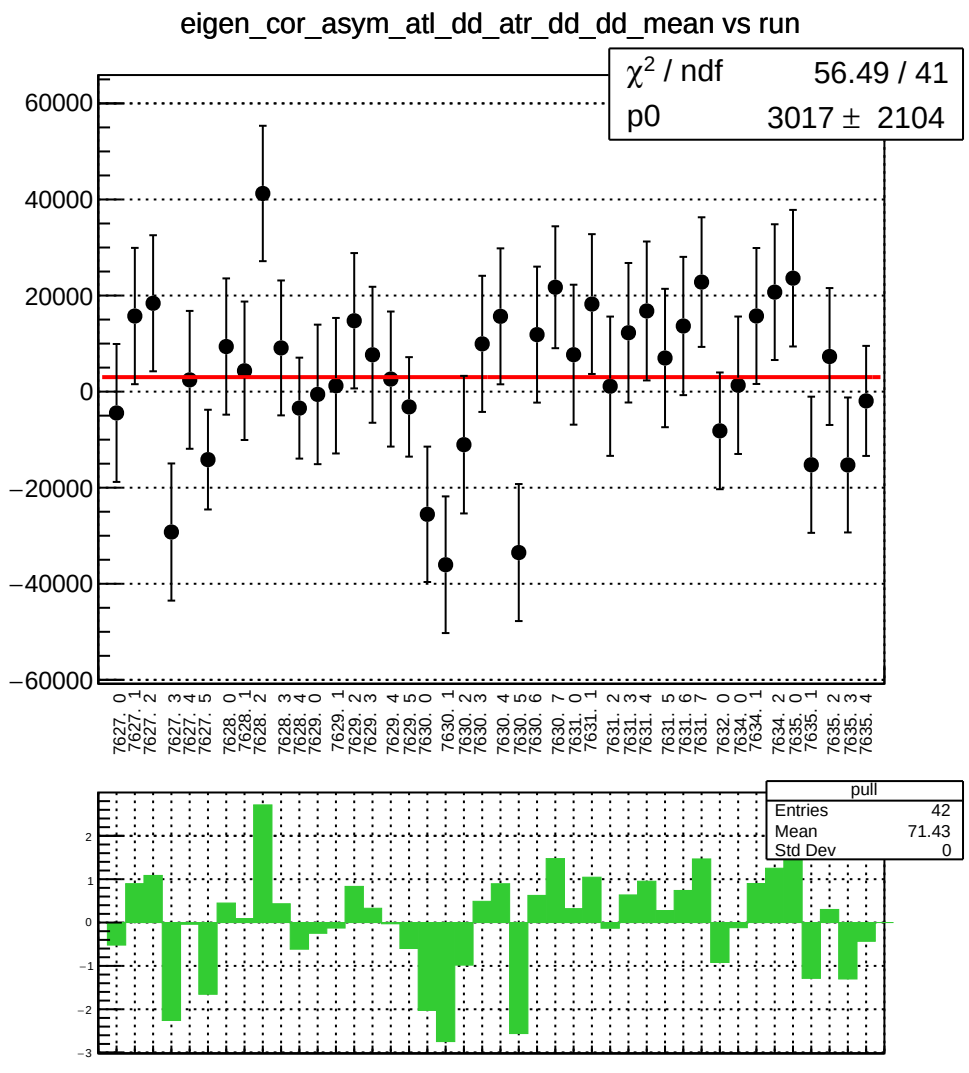

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2059 ± 2.281
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

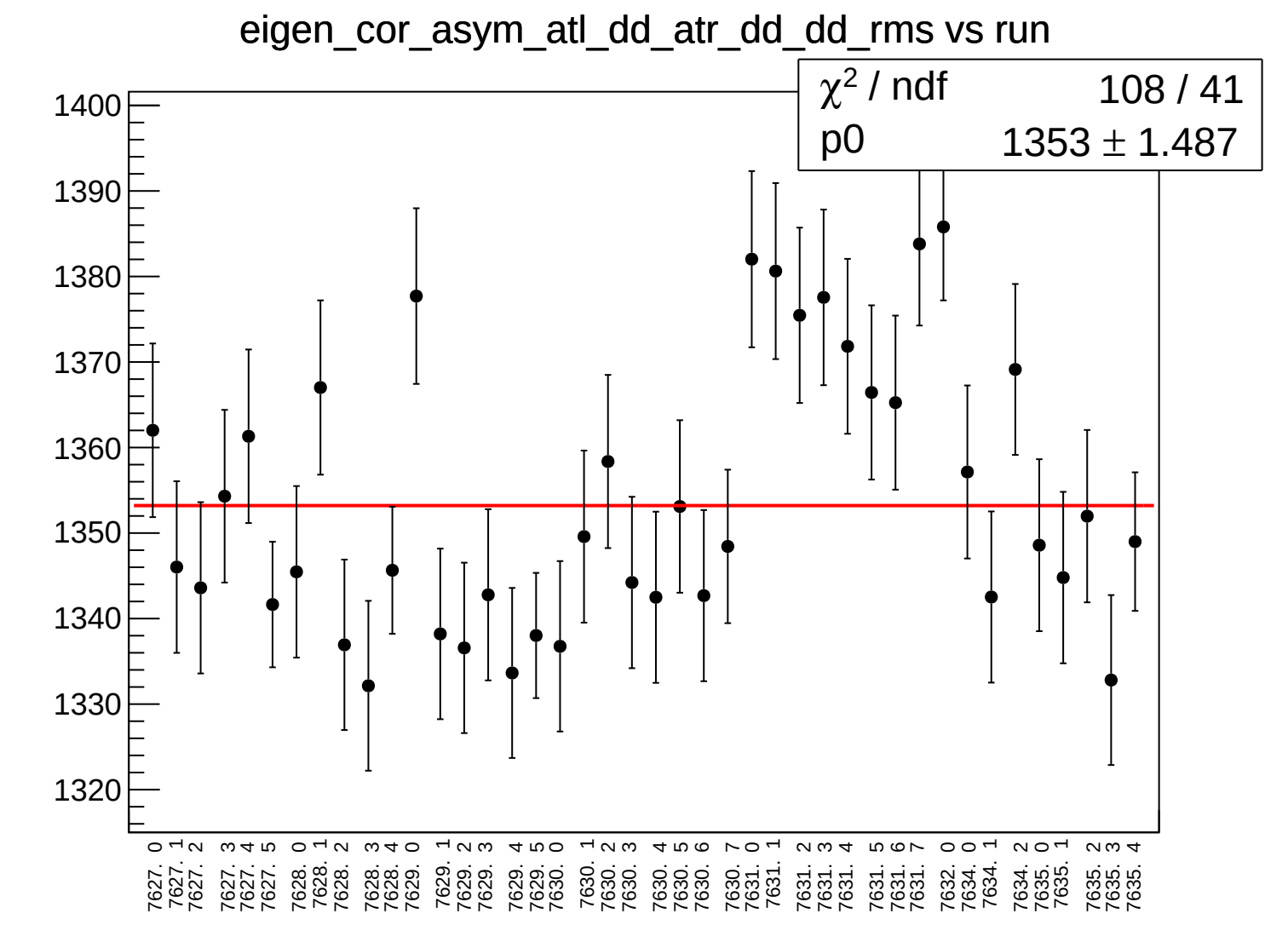

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.49 / 41
p0 3017 ± 2104
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.43
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.02533
Std Dev 1.16
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

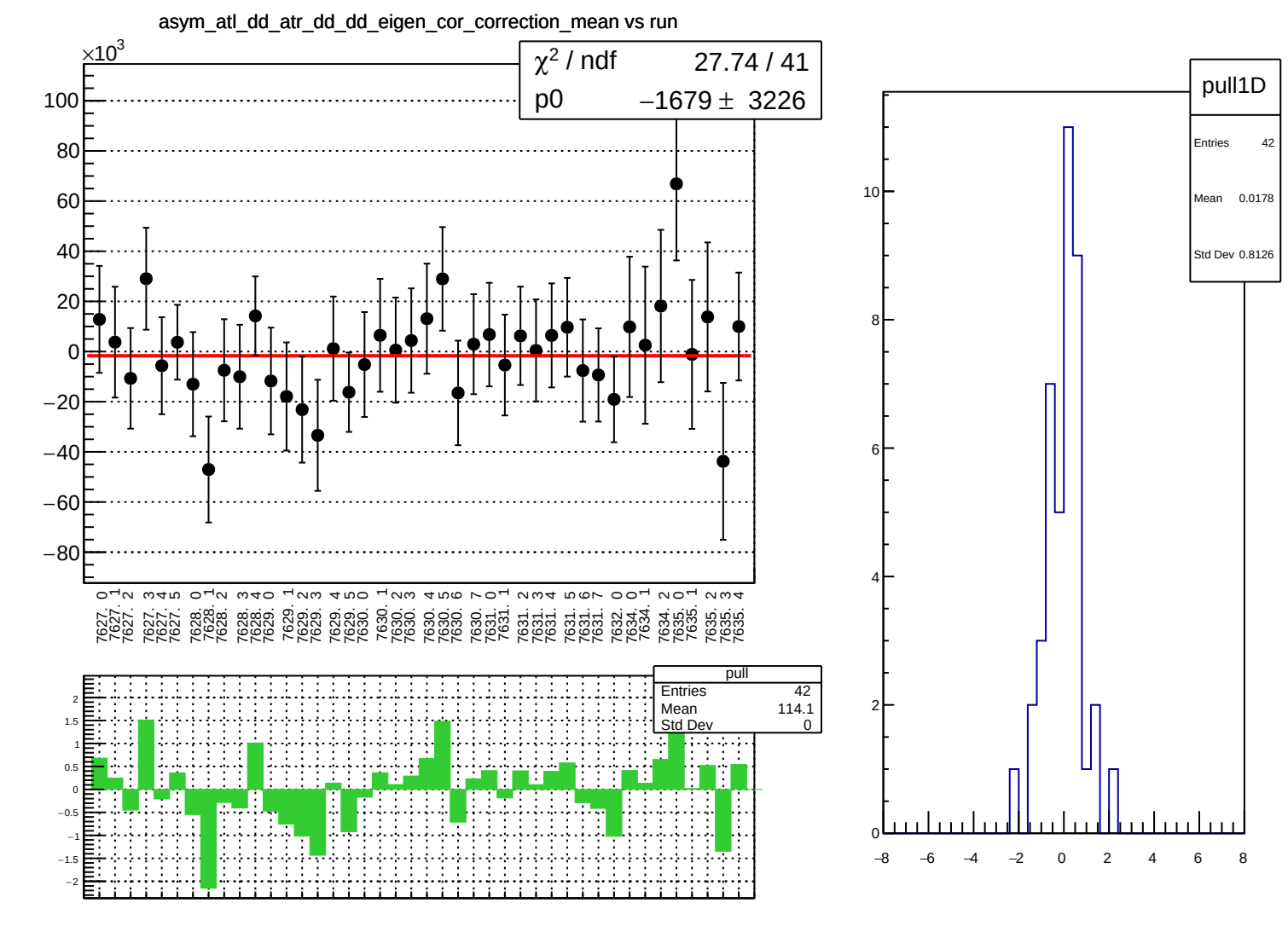

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 108 / 41
p0 1353 ± 1.487
1400
1390
1380
1370
1360
1350
1340
1330
1320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

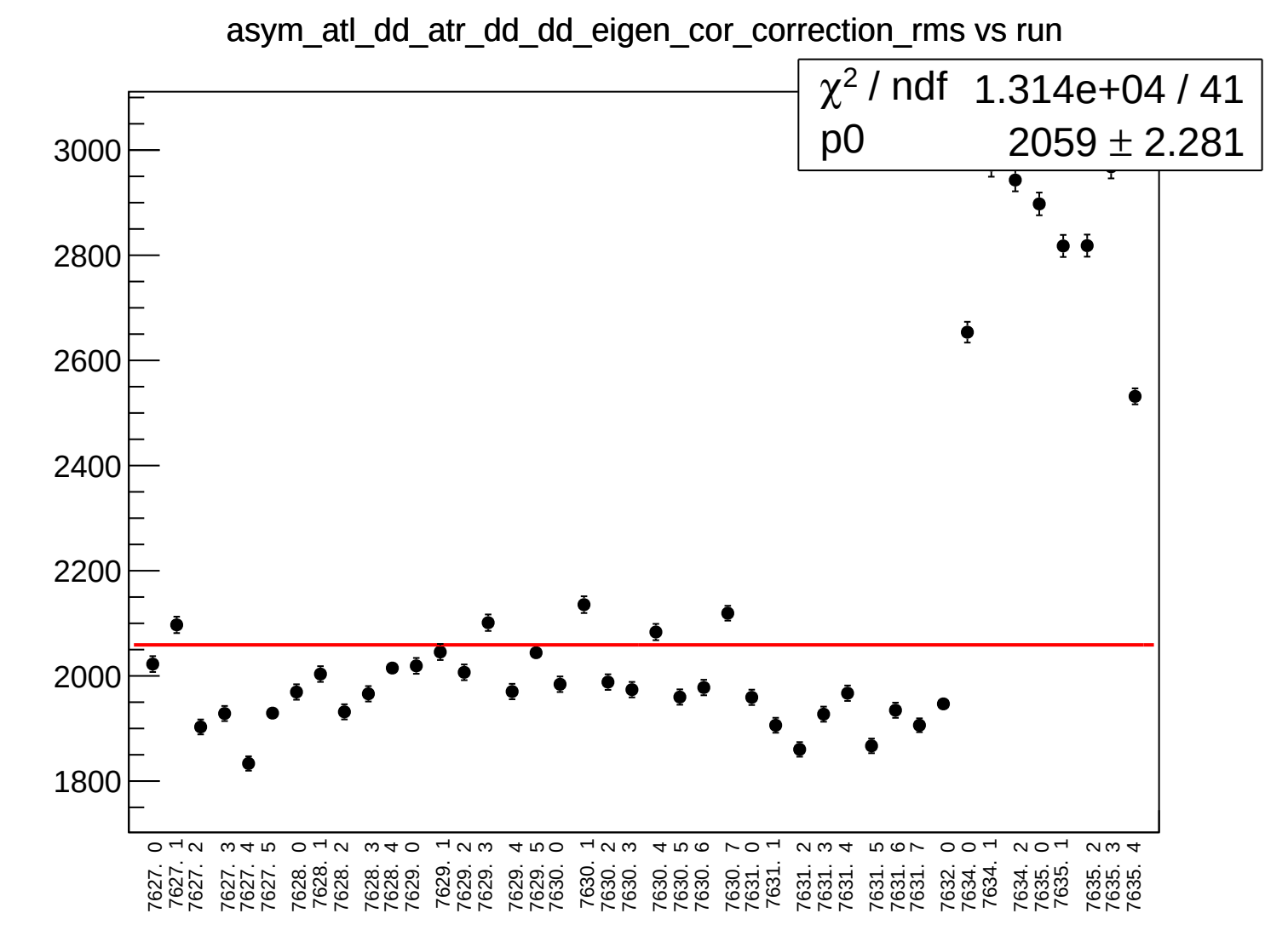

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 27.74 / 41
p0 −1679 ± 3226
pull
Entries 42
Mean 114.1
Std Dev 0
pull1D
Entries 42
Mean 0.0178
Std Dev 0.8126

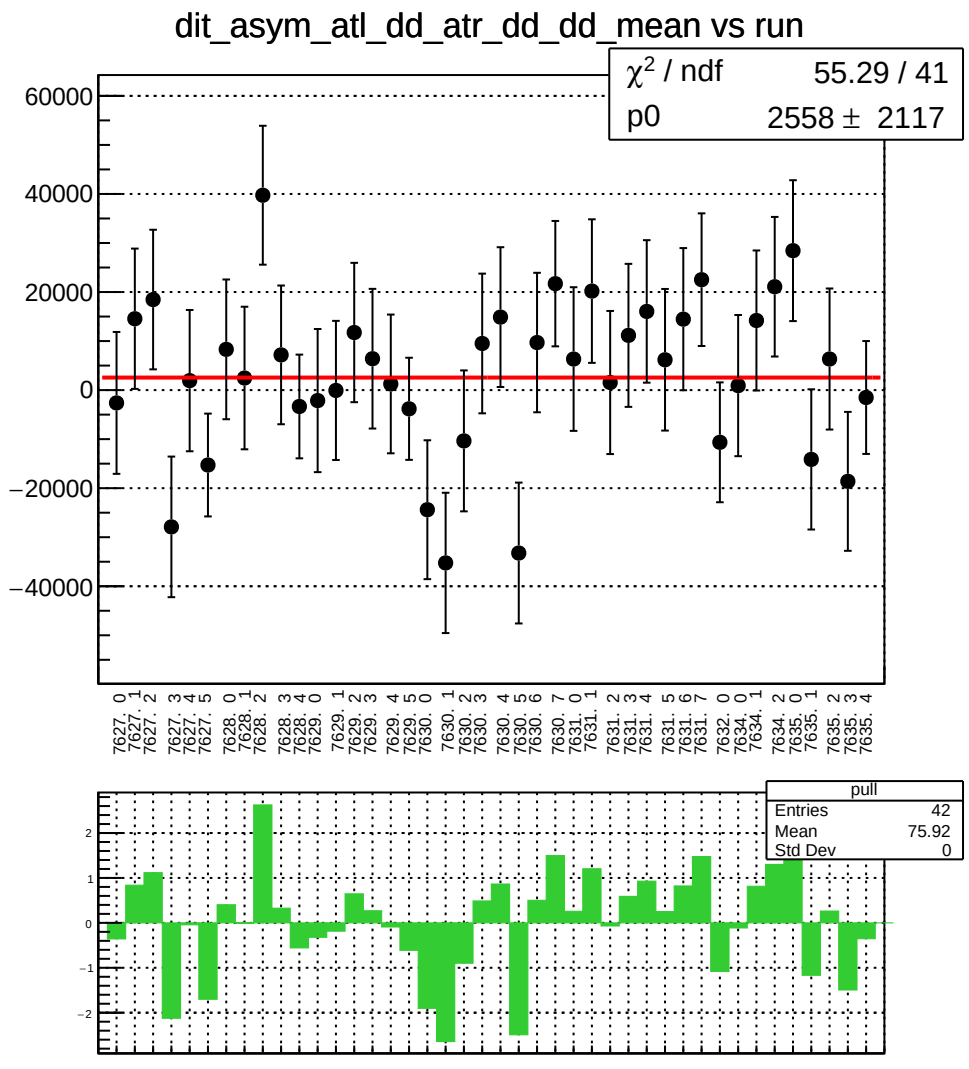

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2059 ± 2.281
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

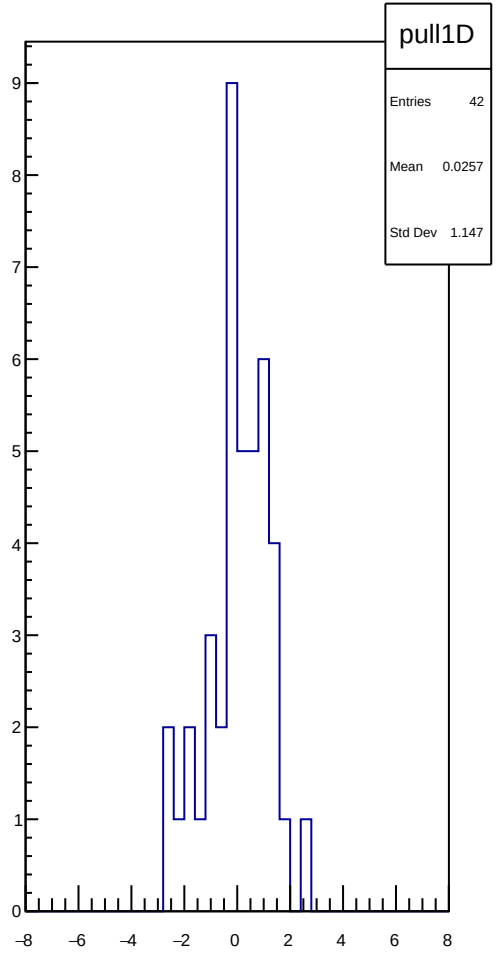

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.49 / 41
p0 3017 ± 2104
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.43
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.02533
Std Dev 1.16
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

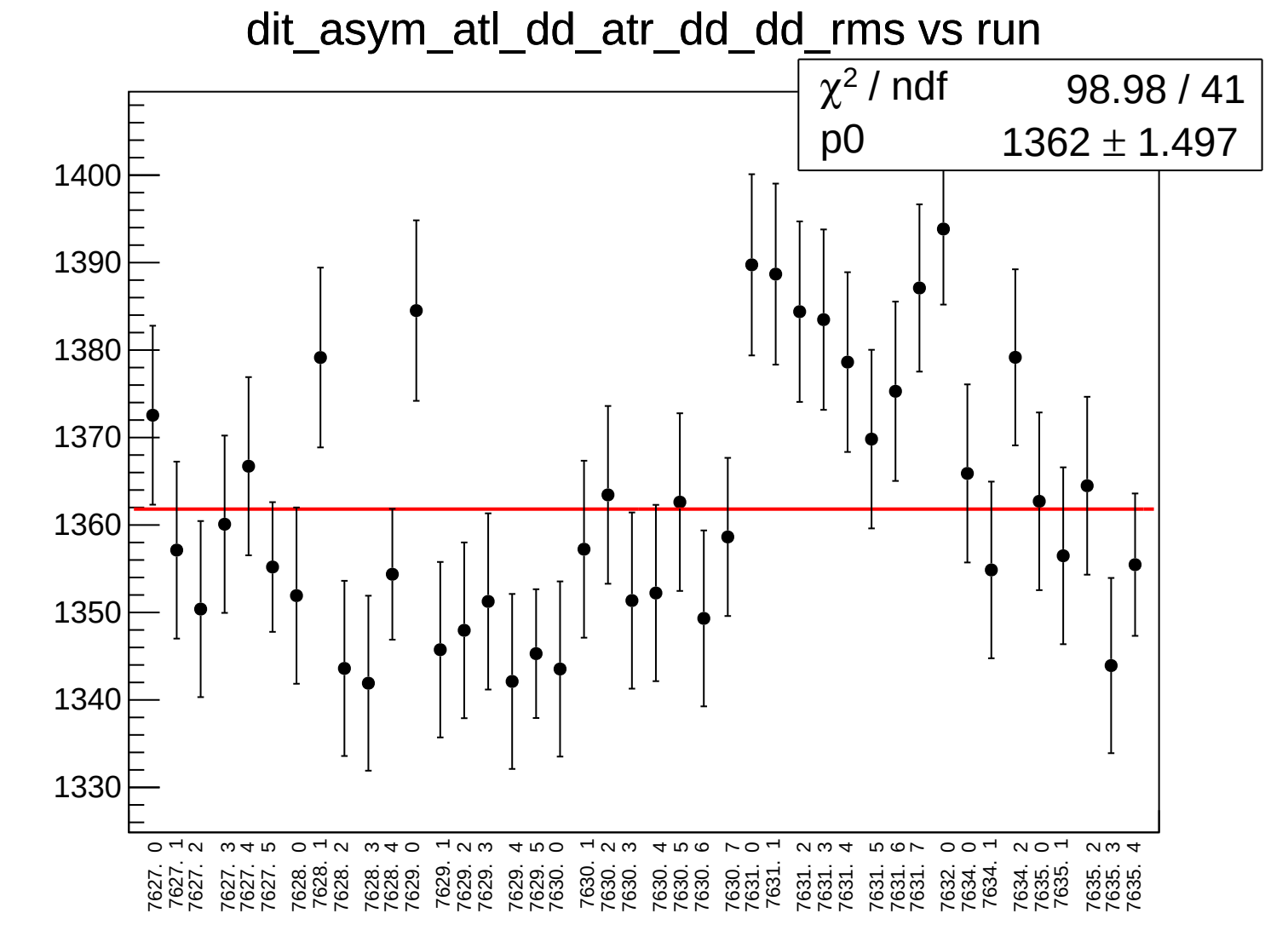

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 108 / 41
p0 1353 ± 1.487
1400
1390
1380
1370
1360
1350
1340
1330
1320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

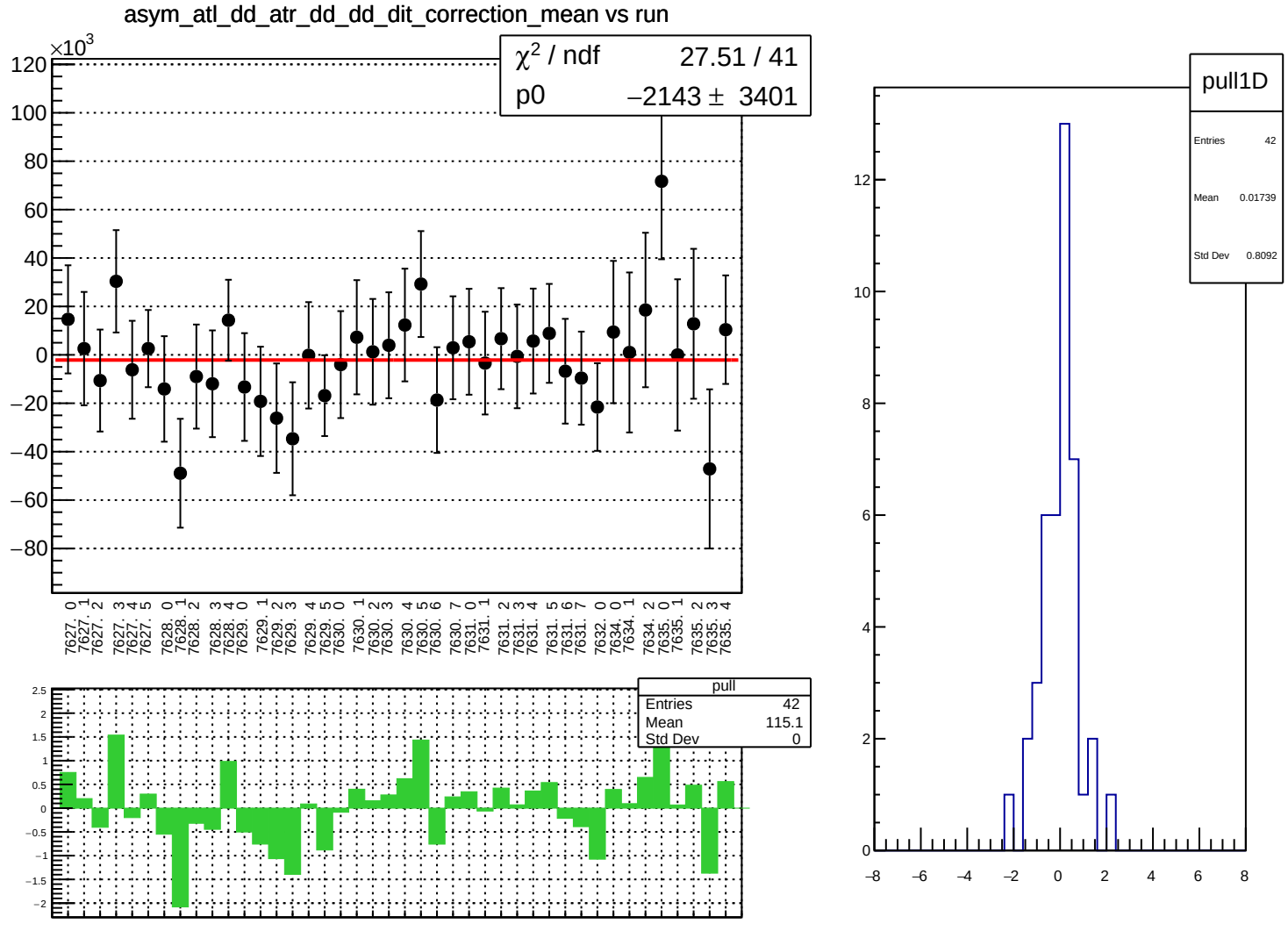

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 27.74 / 41
p0 −1679 ± 3226
pull
Entries 42
Mean 114.1
Std Dev 0
pull1D
Entries 42
Mean 0.0178
Std Dev 0.8126

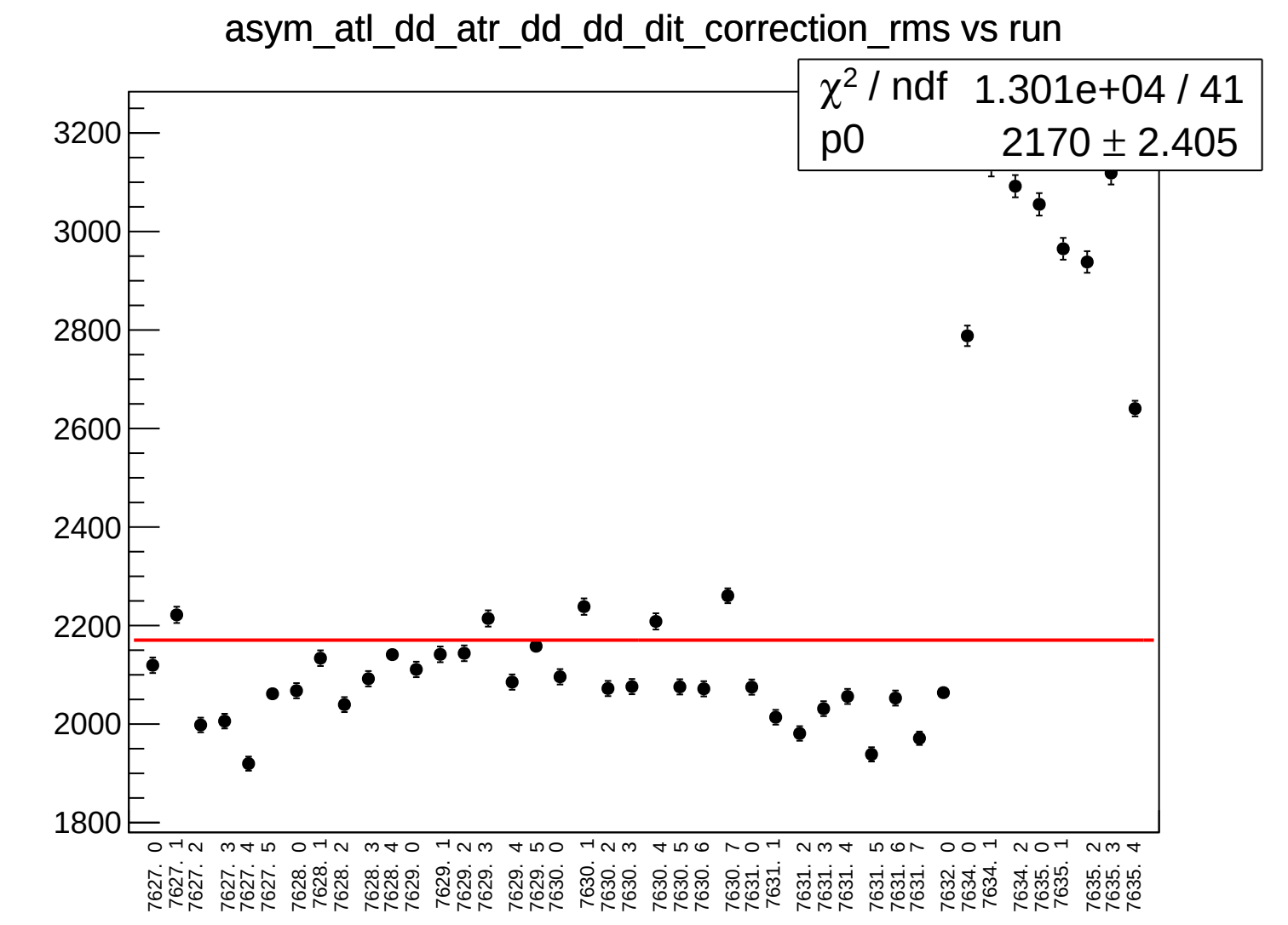

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2059 ± 2.281
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

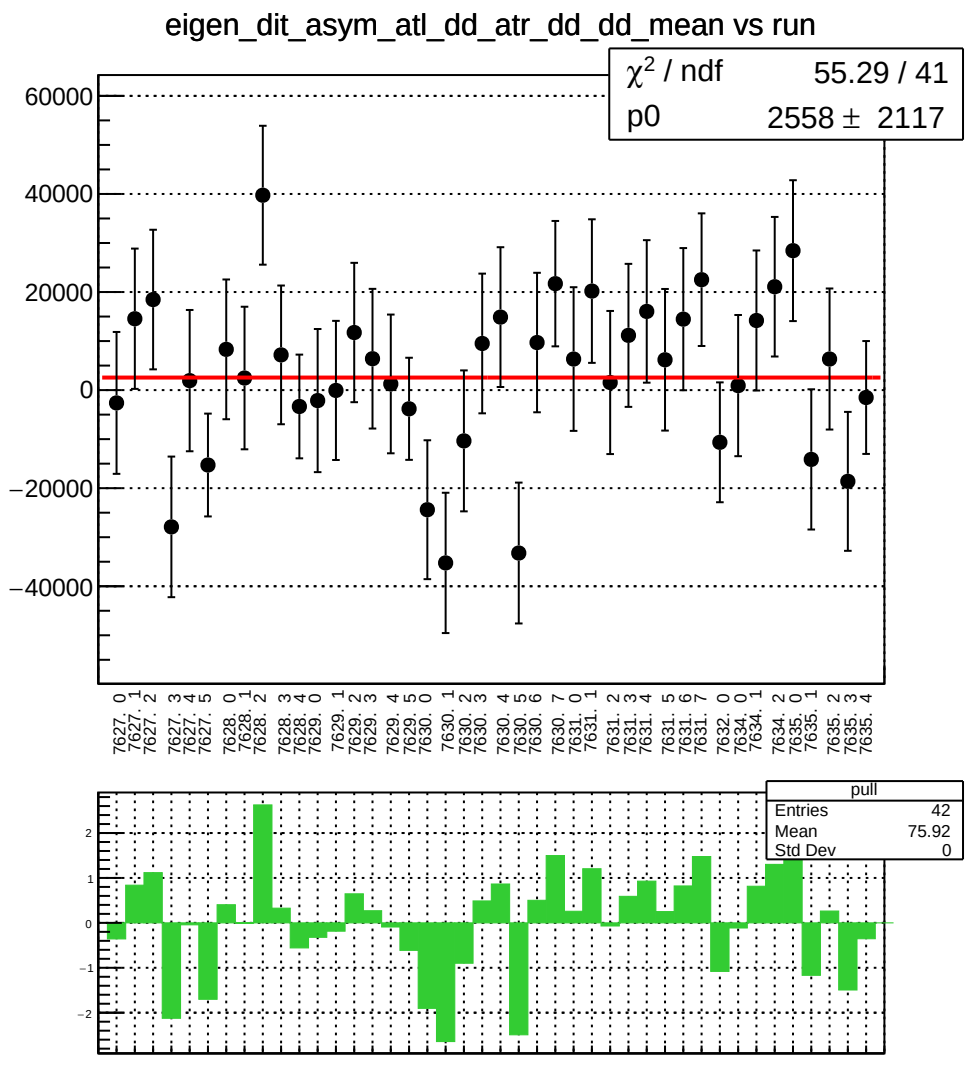

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 55.29 / 41
p0 2558 ± 2117
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 75.92
Std Dev 0
2
1
0
−1
−2

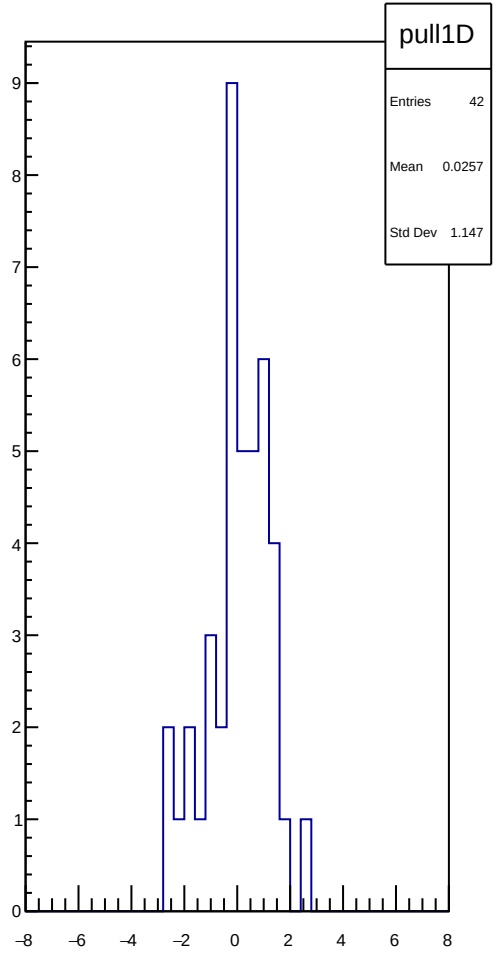

pull1D
Entries 42
Mean 0.0257
Std Dev 1.147
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

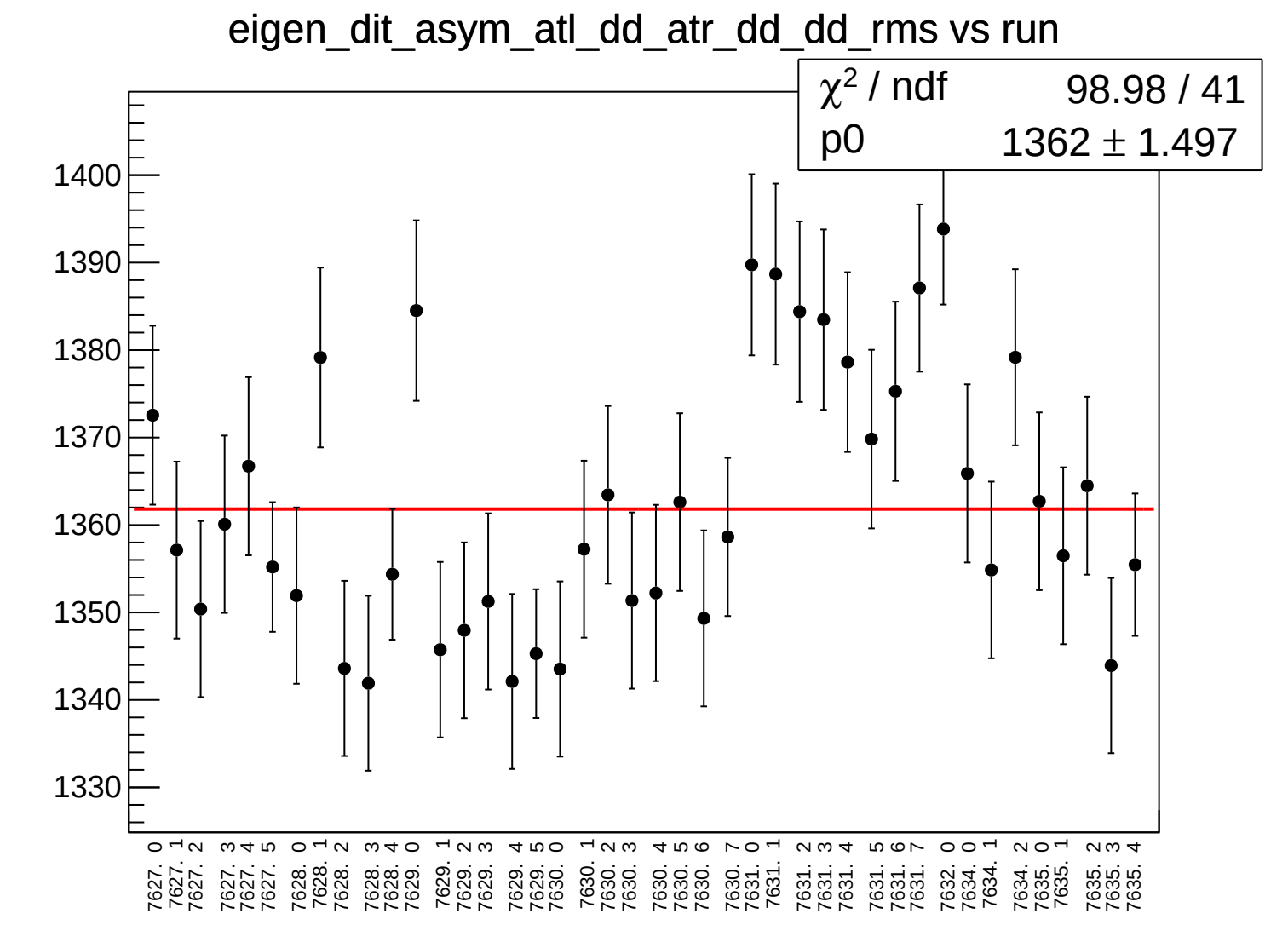

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 98.98 / 41
p0 1362 ± 1.497
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

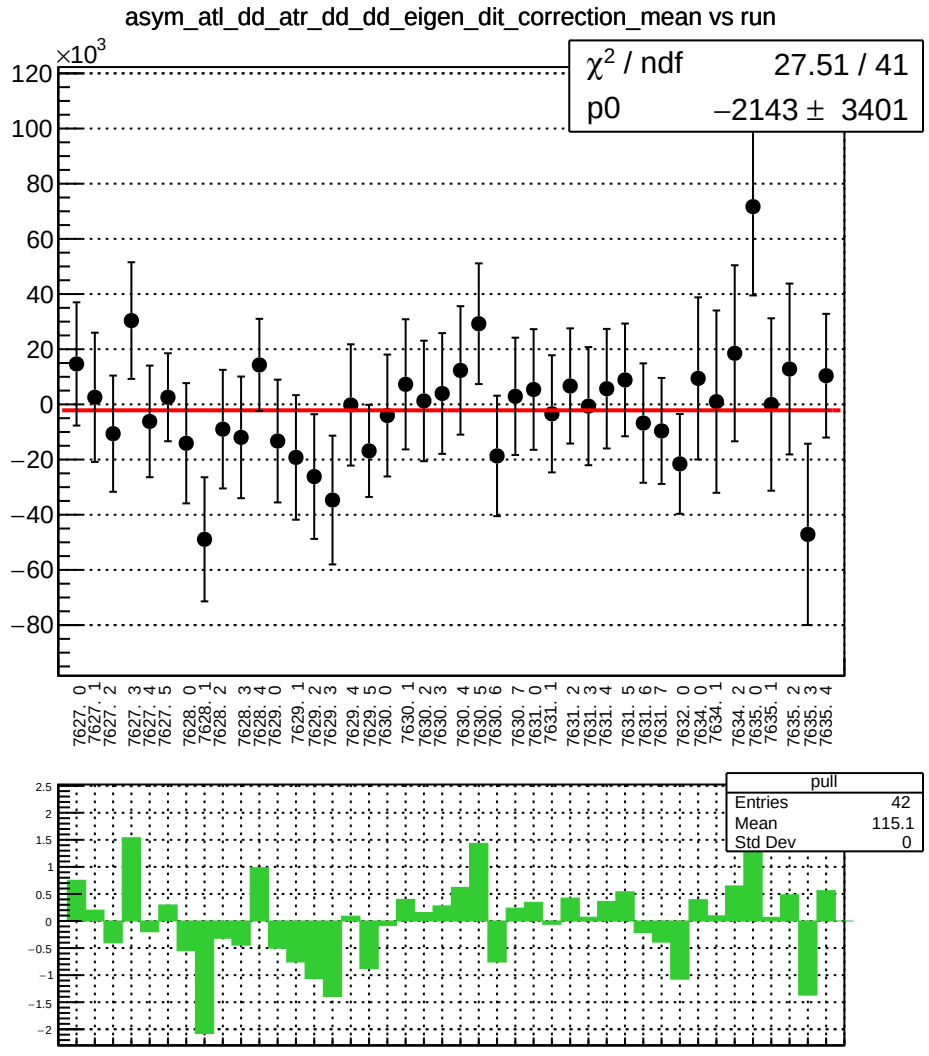

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 27.51 / 41
p0 −2143 ± 3401
pull
Entries 42
Mean 115.1
Std Dev 0
pull1D
Entries 42
Mean 0.01739
Std Dev 0.8092

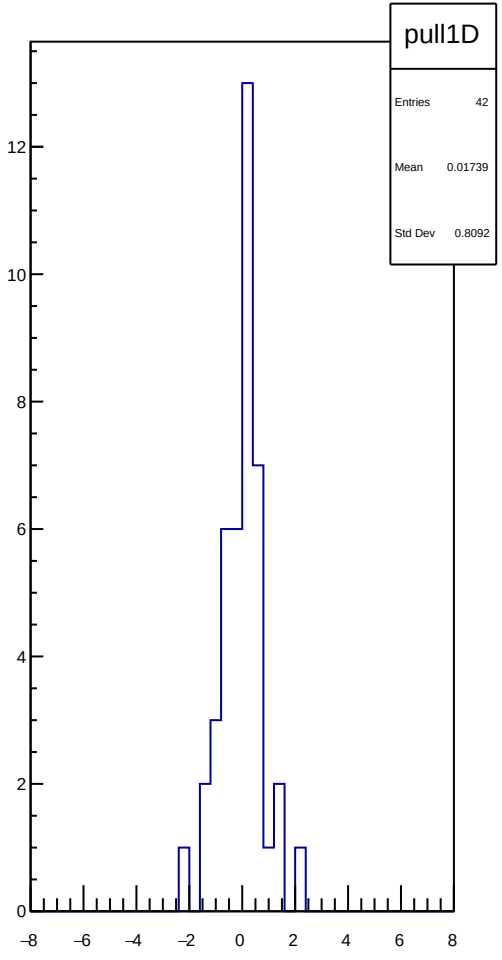

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.301e+04 / 41
p0 2170 ± 2.405
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

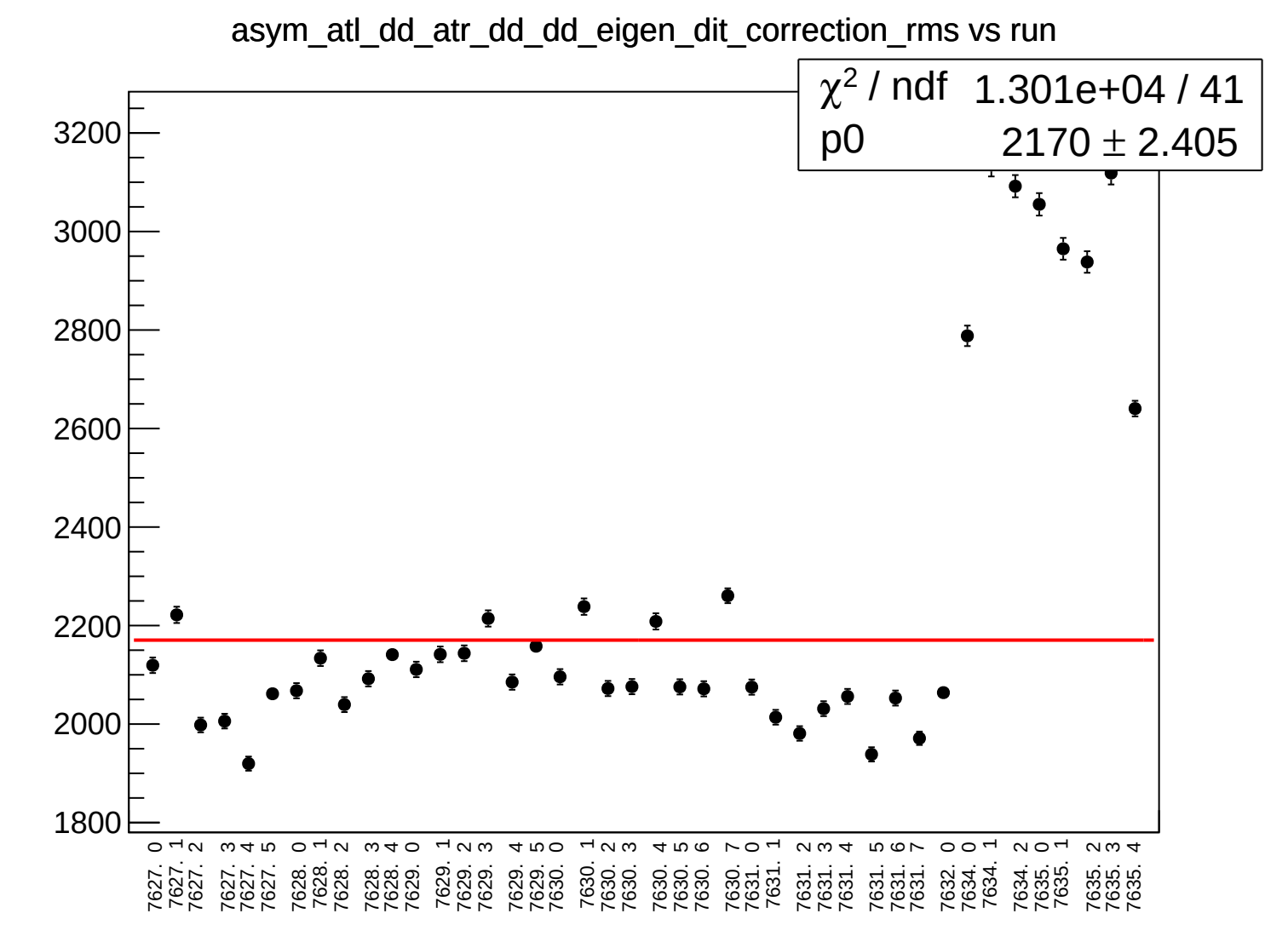

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 55.29 / 41
p0 2558 ± 2117
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 75.92
Std Dev 0
2
1
0
−1
−2

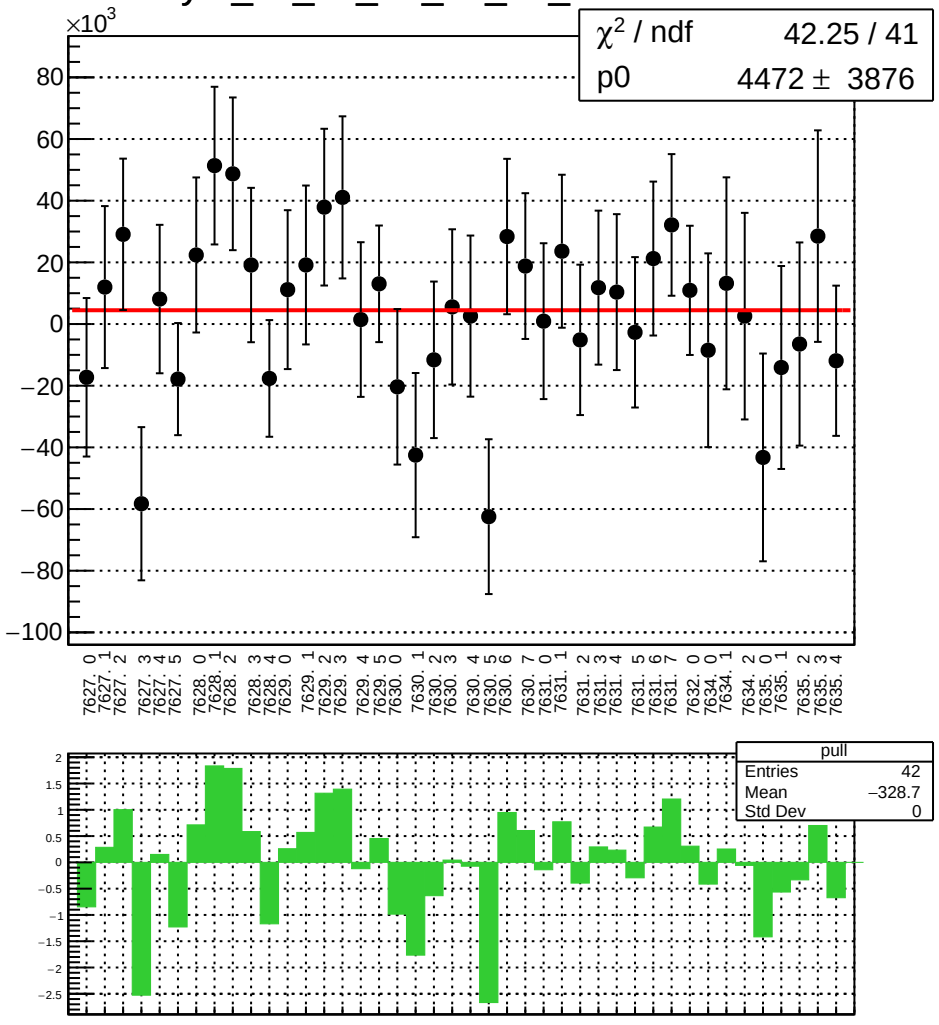

pull1D
Entries 42
Mean 0.0257
Std Dev 1.147
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

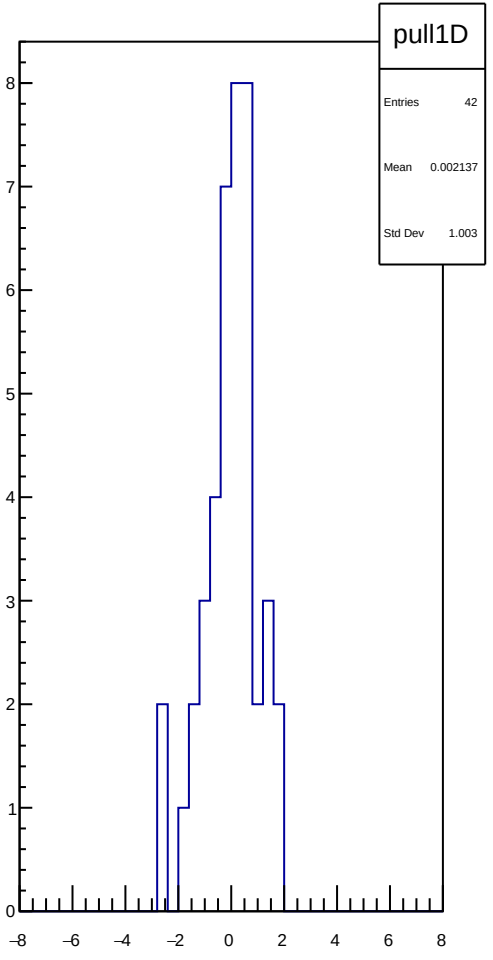

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 98.98 / 41
p0 1362 ± 1.497
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

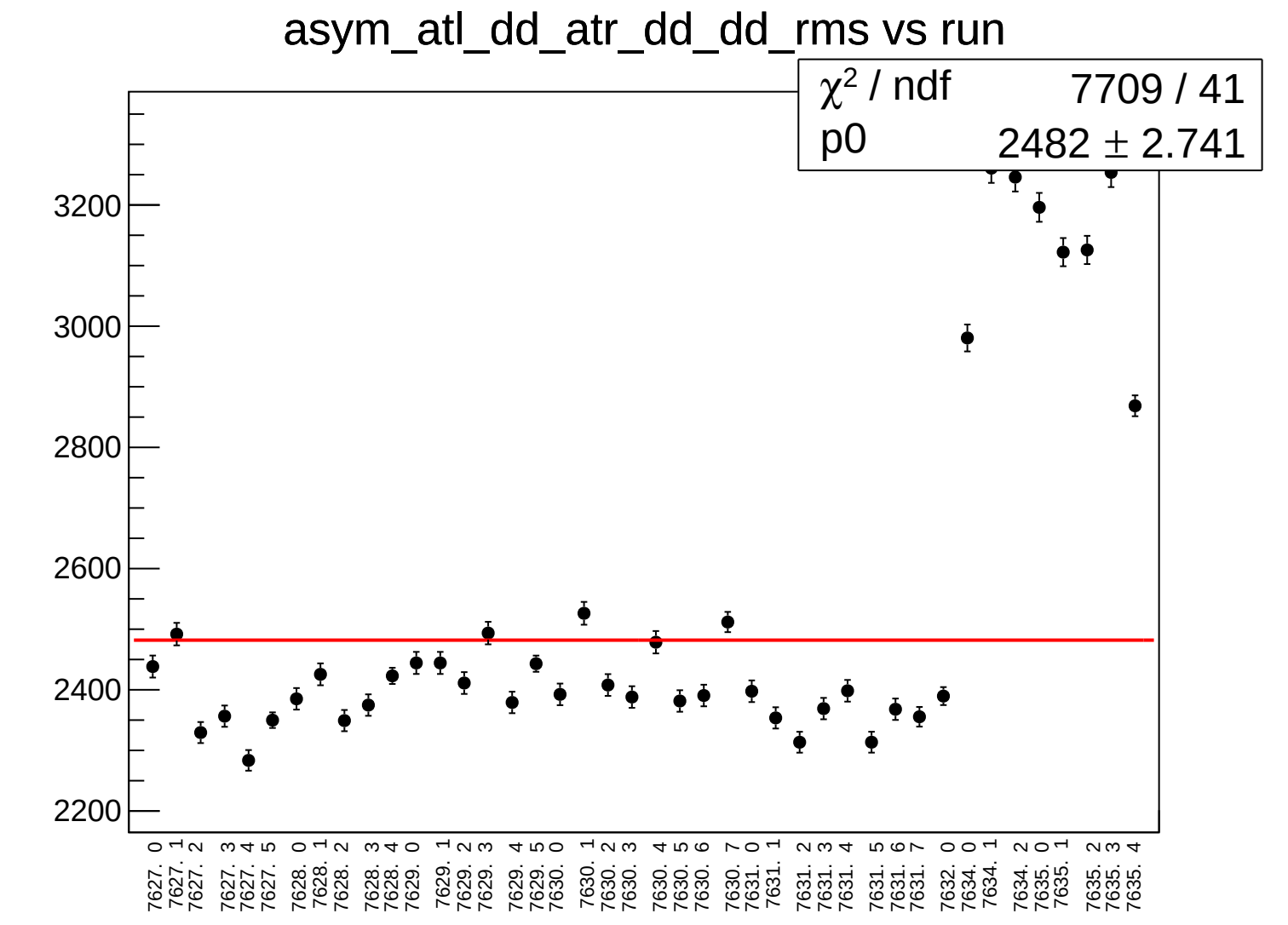

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 27.51 / 41
p0 −2143 ± 3401
pull
Entries 42
Mean 115.1
Std Dev 0

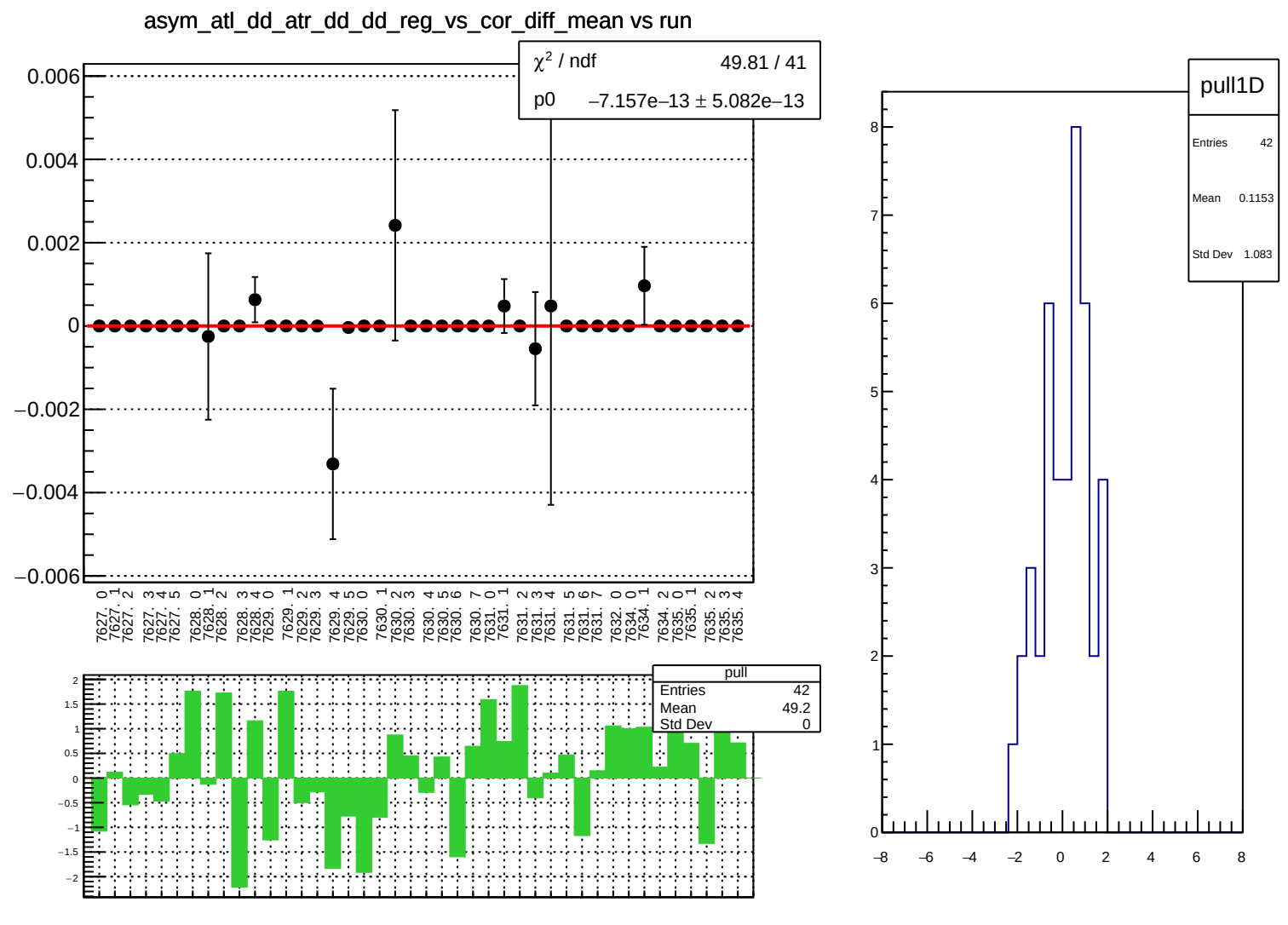

pull1D
Entries 42
Mean 0.01739
Std Dev 0.8092

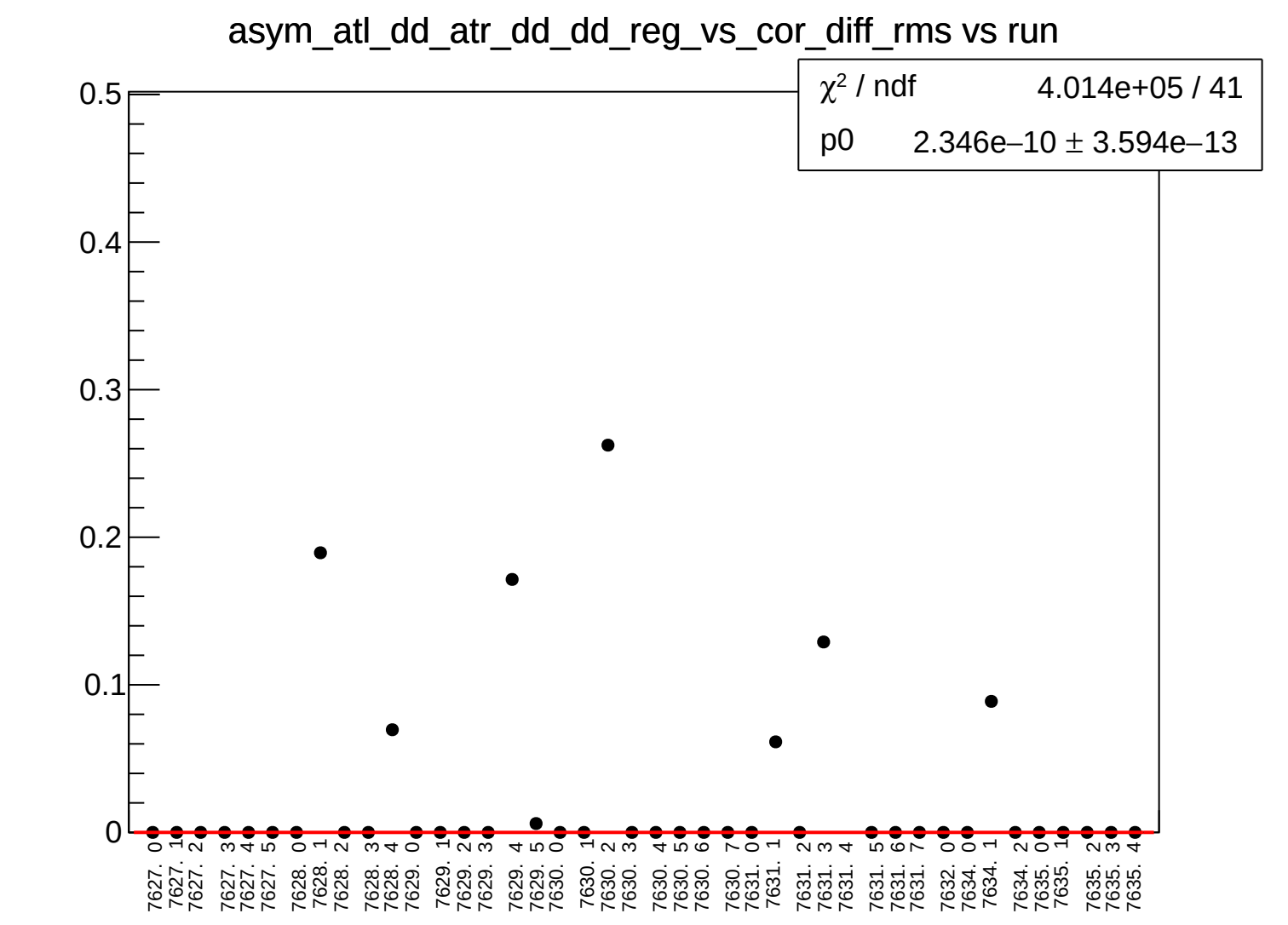

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.301e+04 / 41
p0 2170 ± 2.405
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

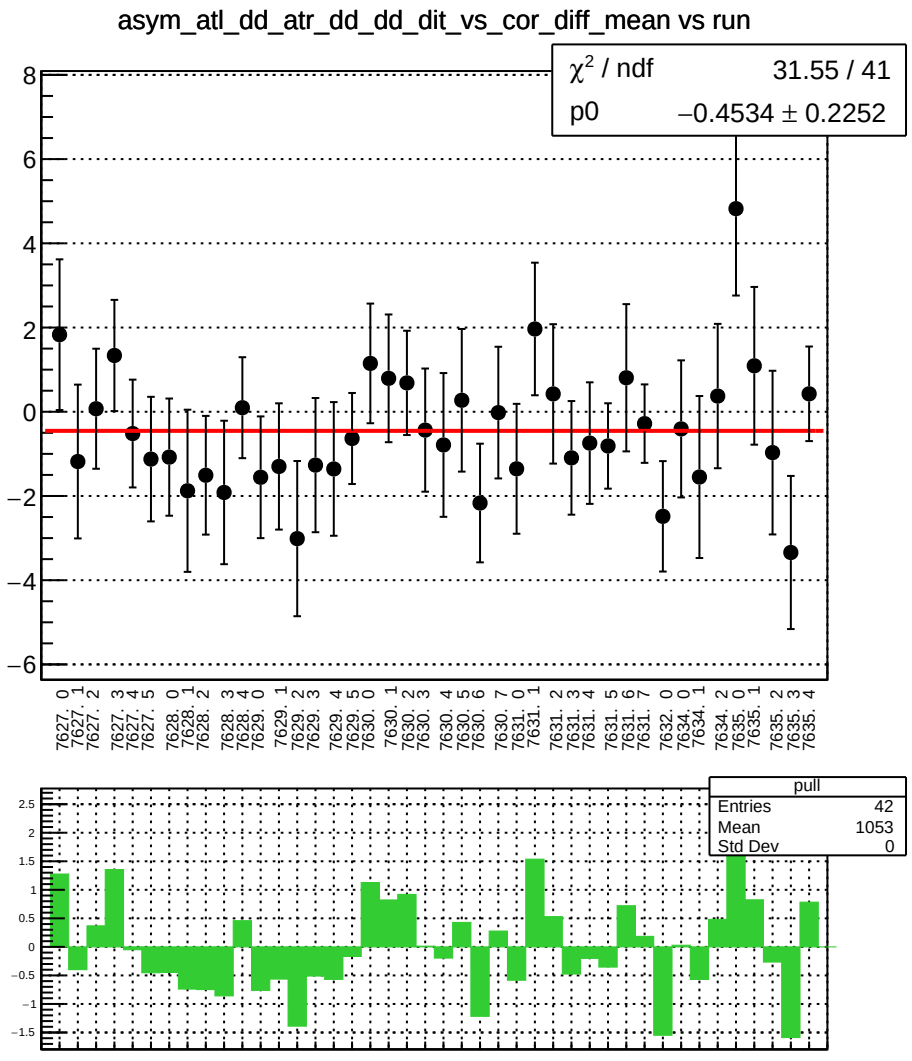

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 42.25 / 41
p0 4472 ± 3876
×10³
pull
Entries 42
Mean −328.7
Std Dev 0

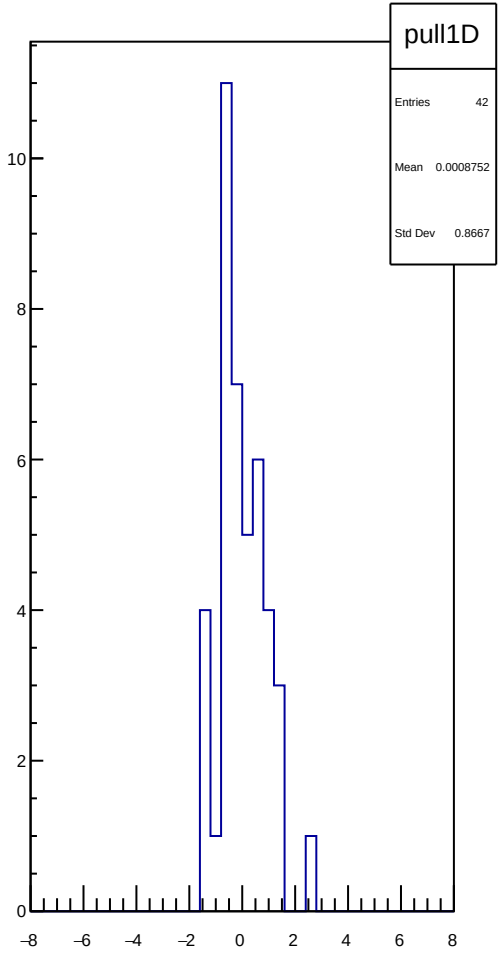

pull1D
Entries 42
Mean 0.002137
Std Dev 1.003

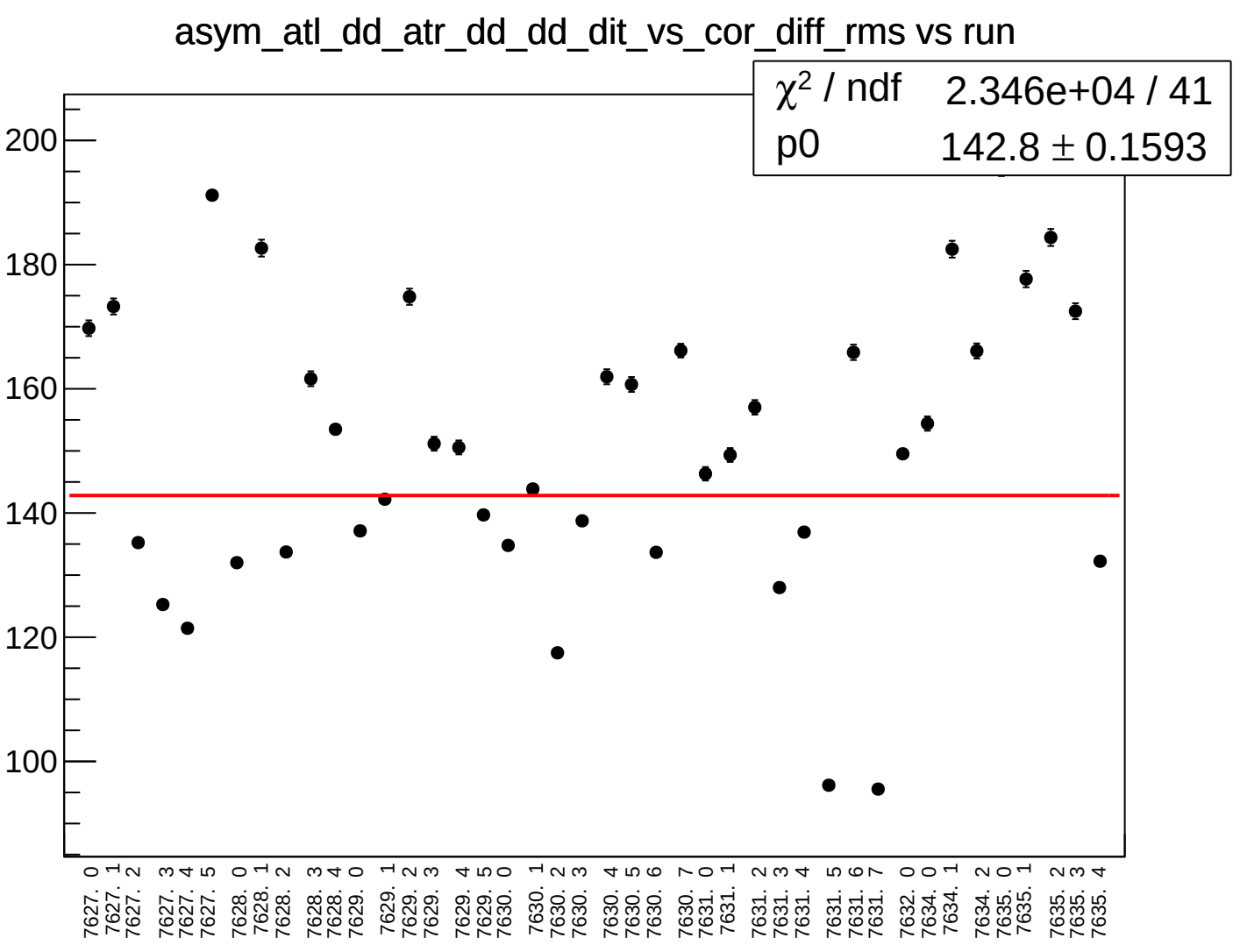

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 7709 / 41
p0 2482 ± 2.741
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

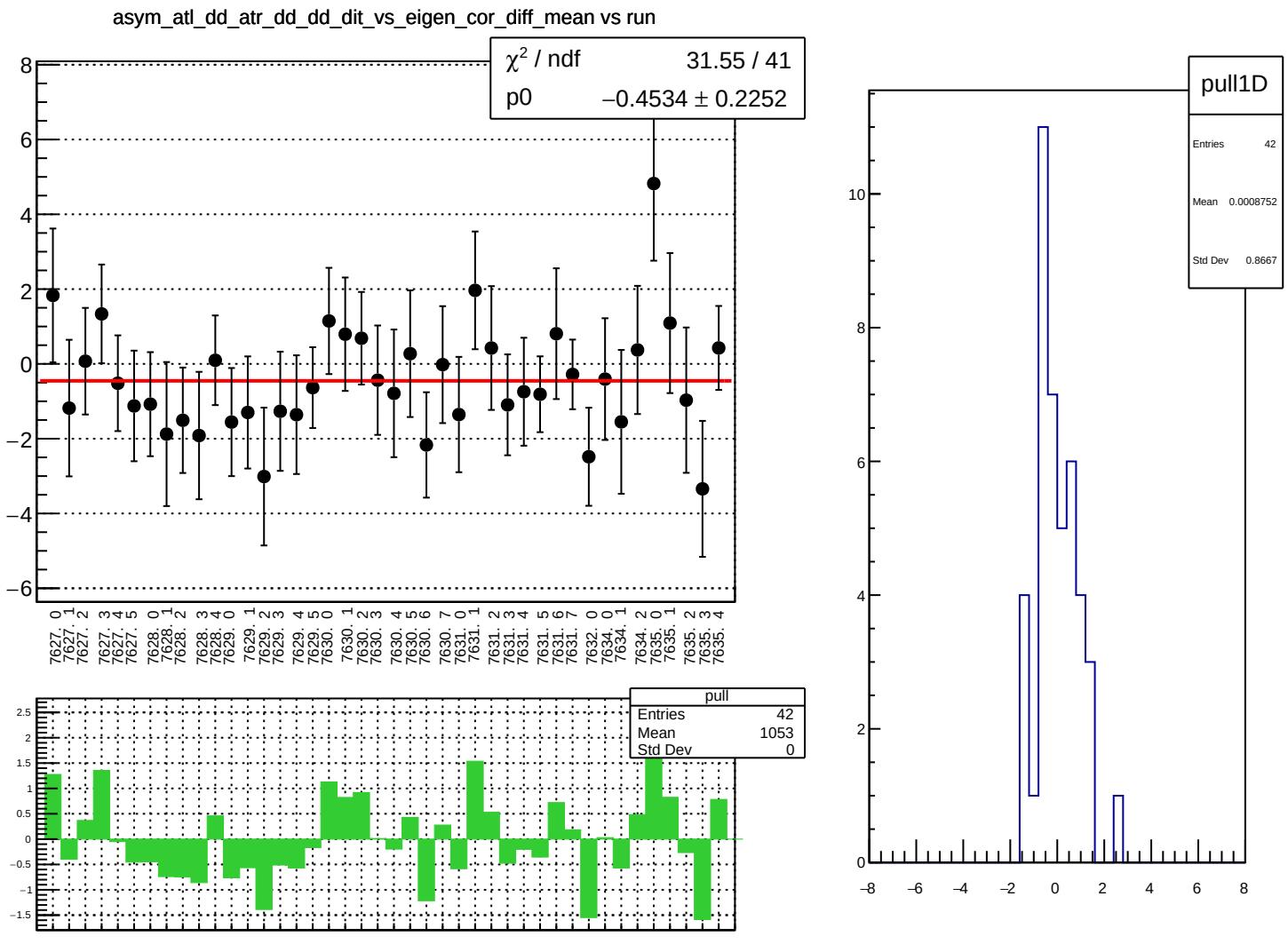

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.81 / 41
p0 −7.157e−13 ± 5.082e−13
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 49.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.1153
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

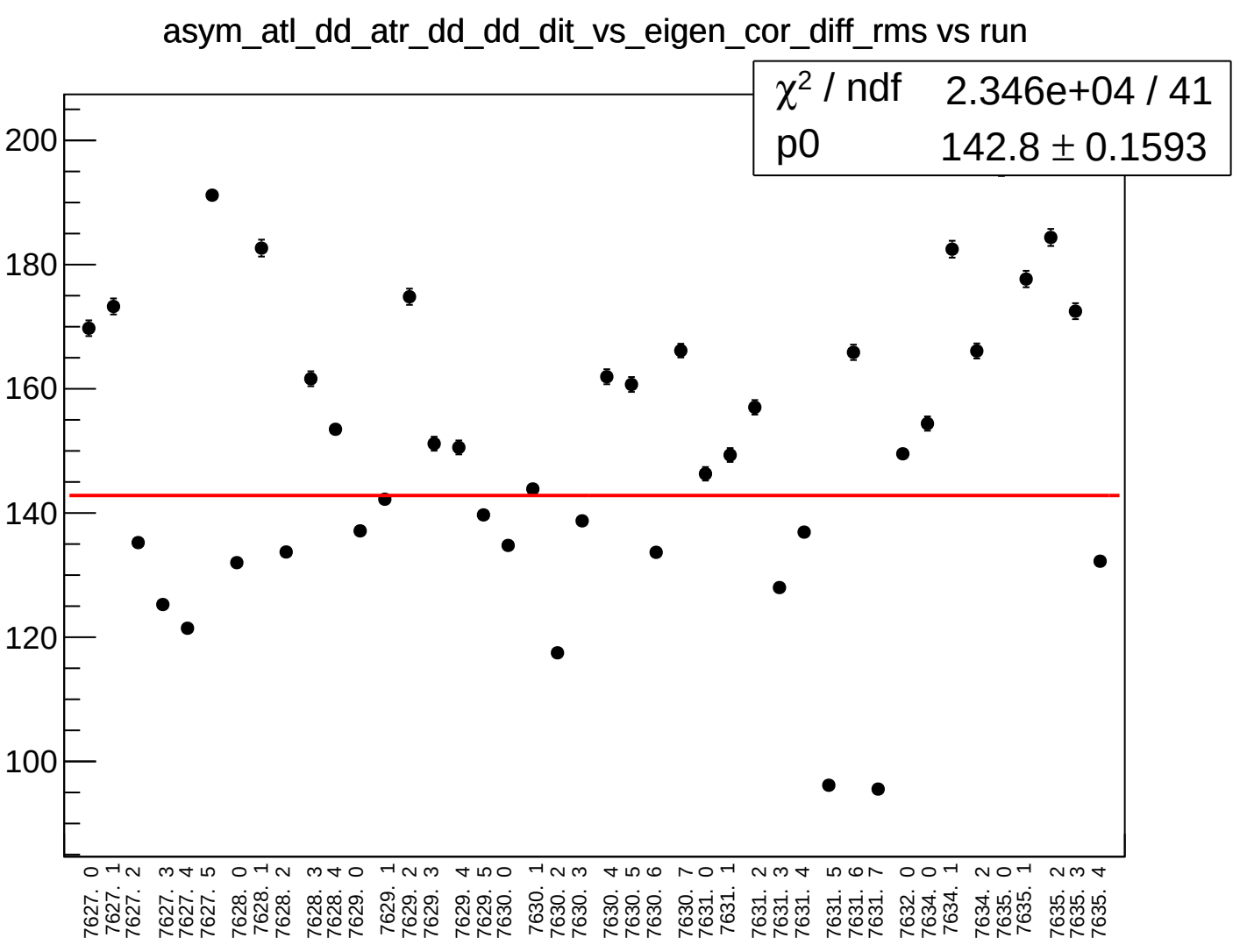

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.014e+05 / 41
p0 2.346e−10 ± 3.594e−13
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

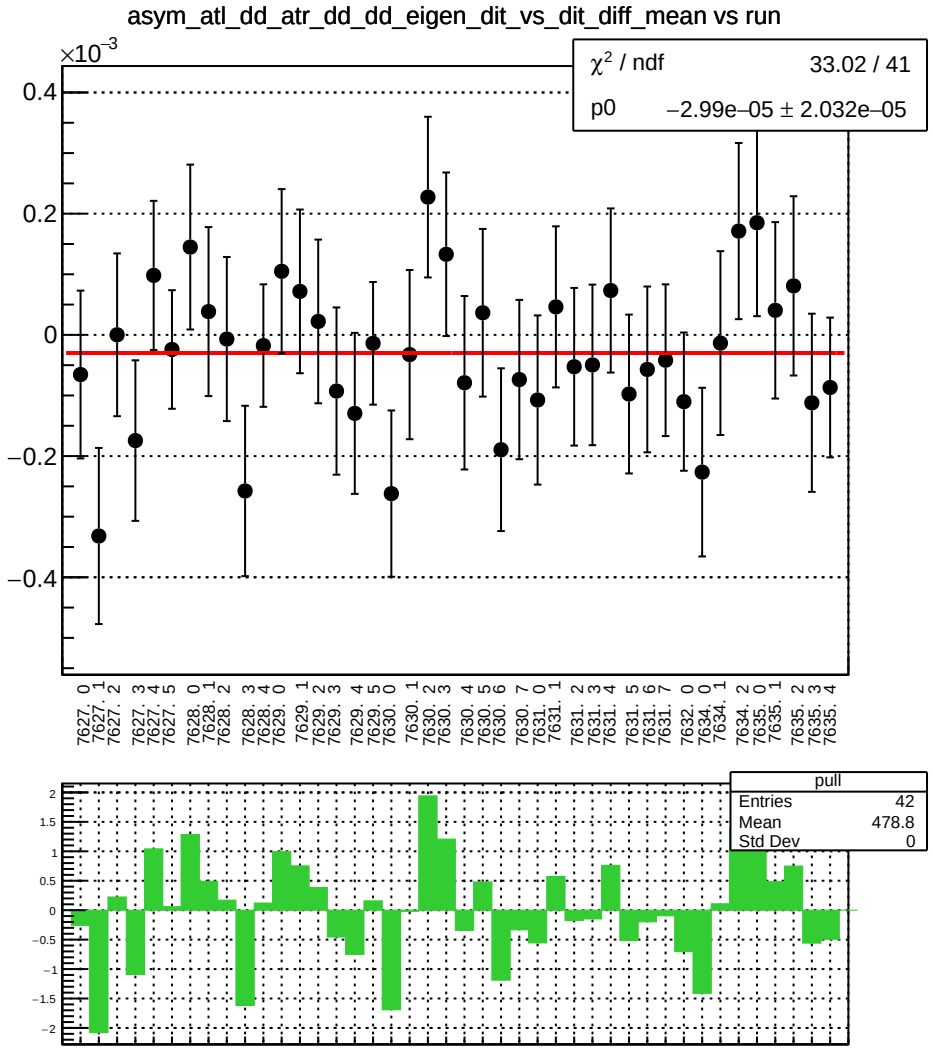

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 31.55 / 41
p0 −0.4534 ± 0.2252
pull
Entries 42
Mean 1053
Std Dev 0

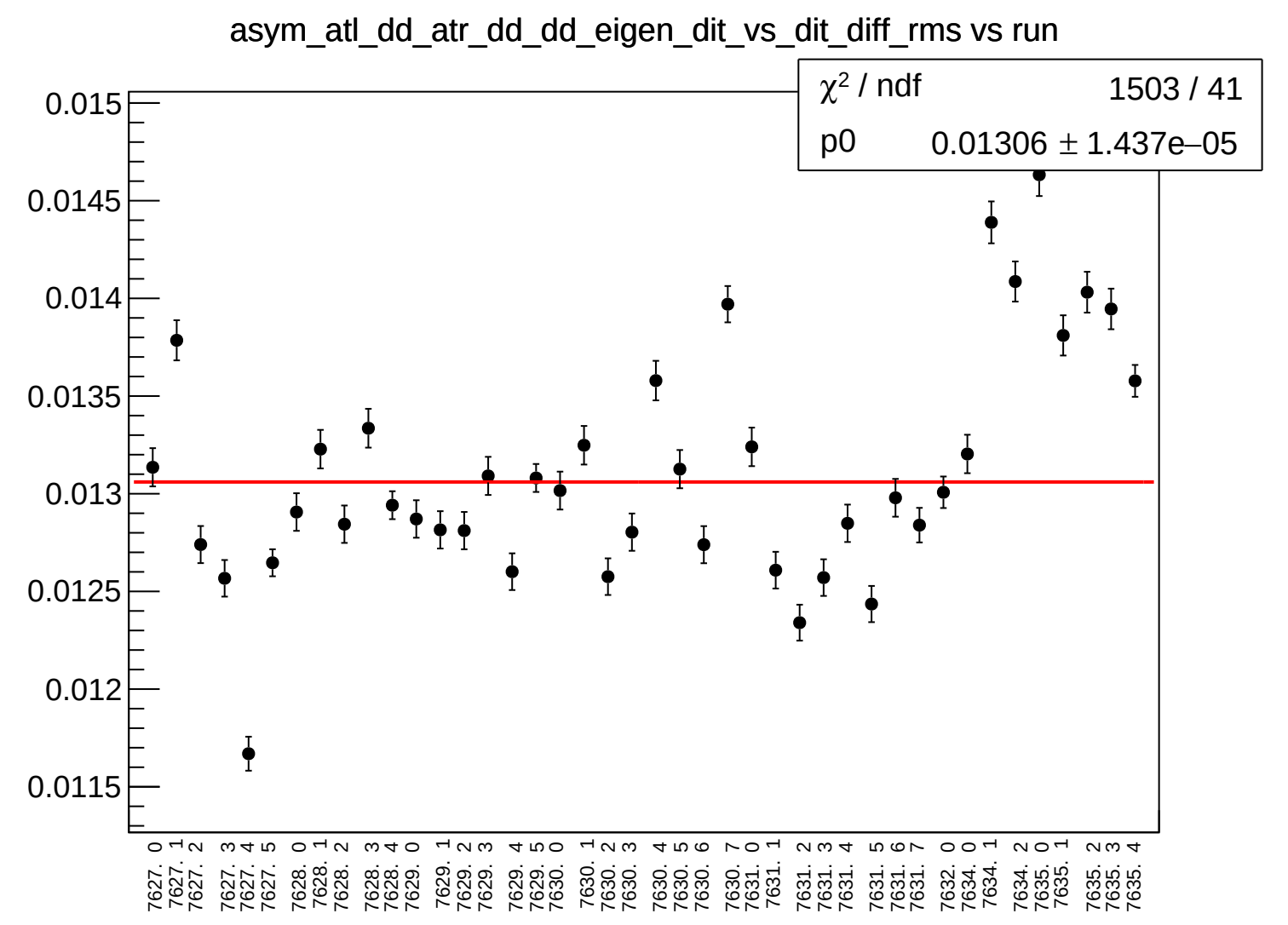

pull1D
Entries 42
Mean 0.0008752
Std Dev 0.8667

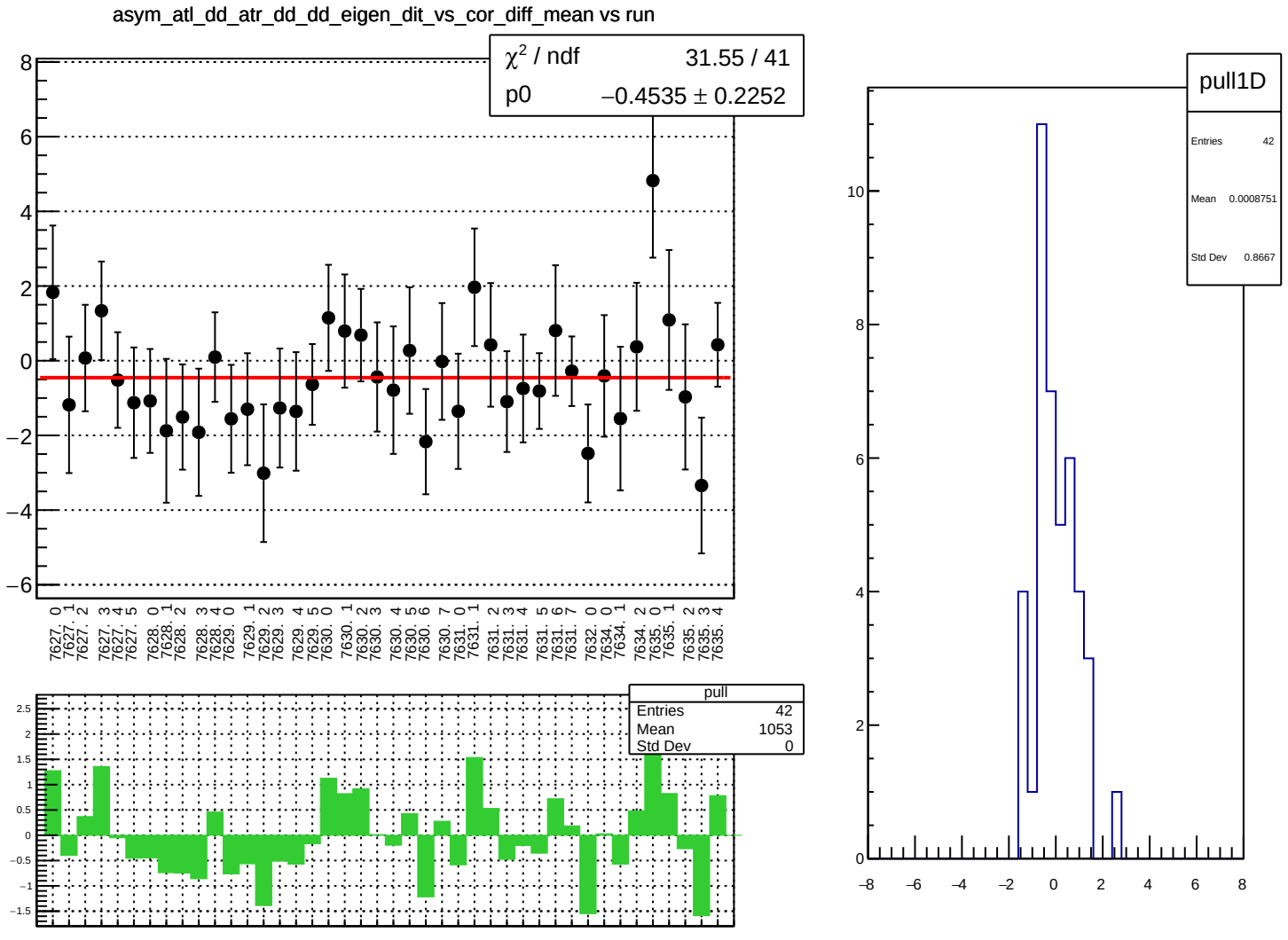

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.346e+04 / 41
p0 142.8 ± 0.1593
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

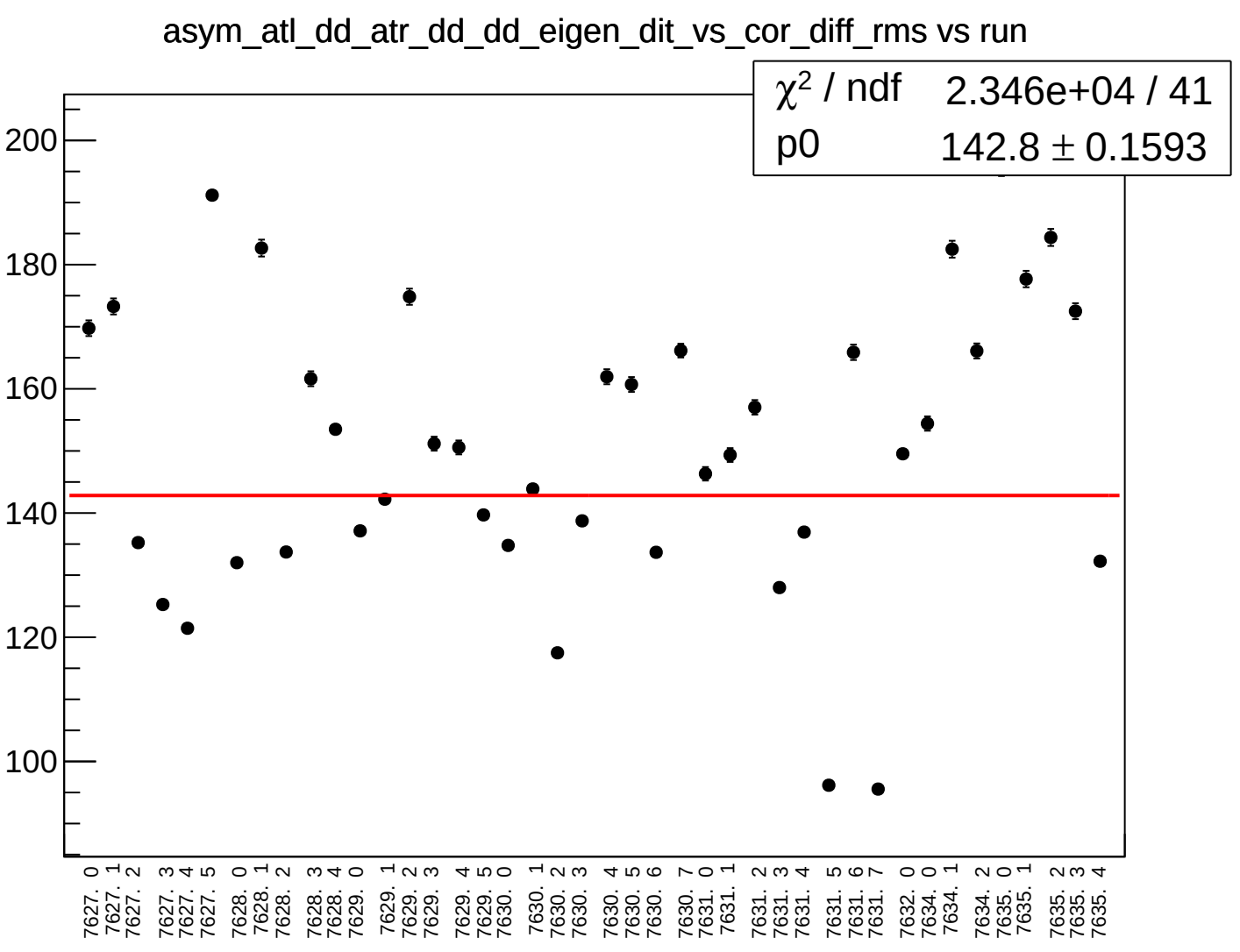

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.55 / 41
p0 −0.4534 ± 0.2252
pull
Entries 42
Mean 1053
Std Dev 0
pull1D
Entries 42
Mean 0.0008752
Std Dev 0.8667

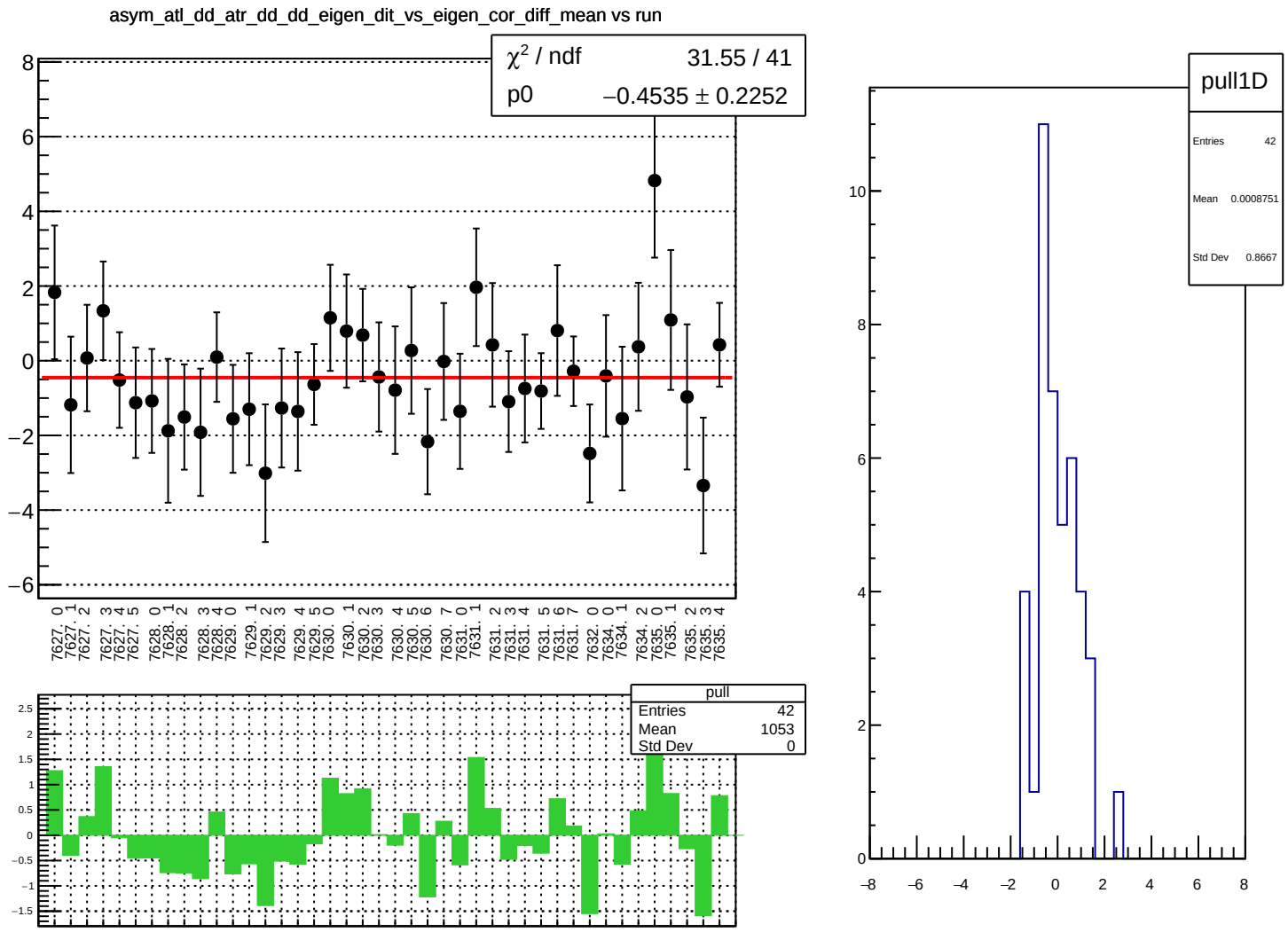

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.346e+04 / 41
p0 142.8 ± 0.1593
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

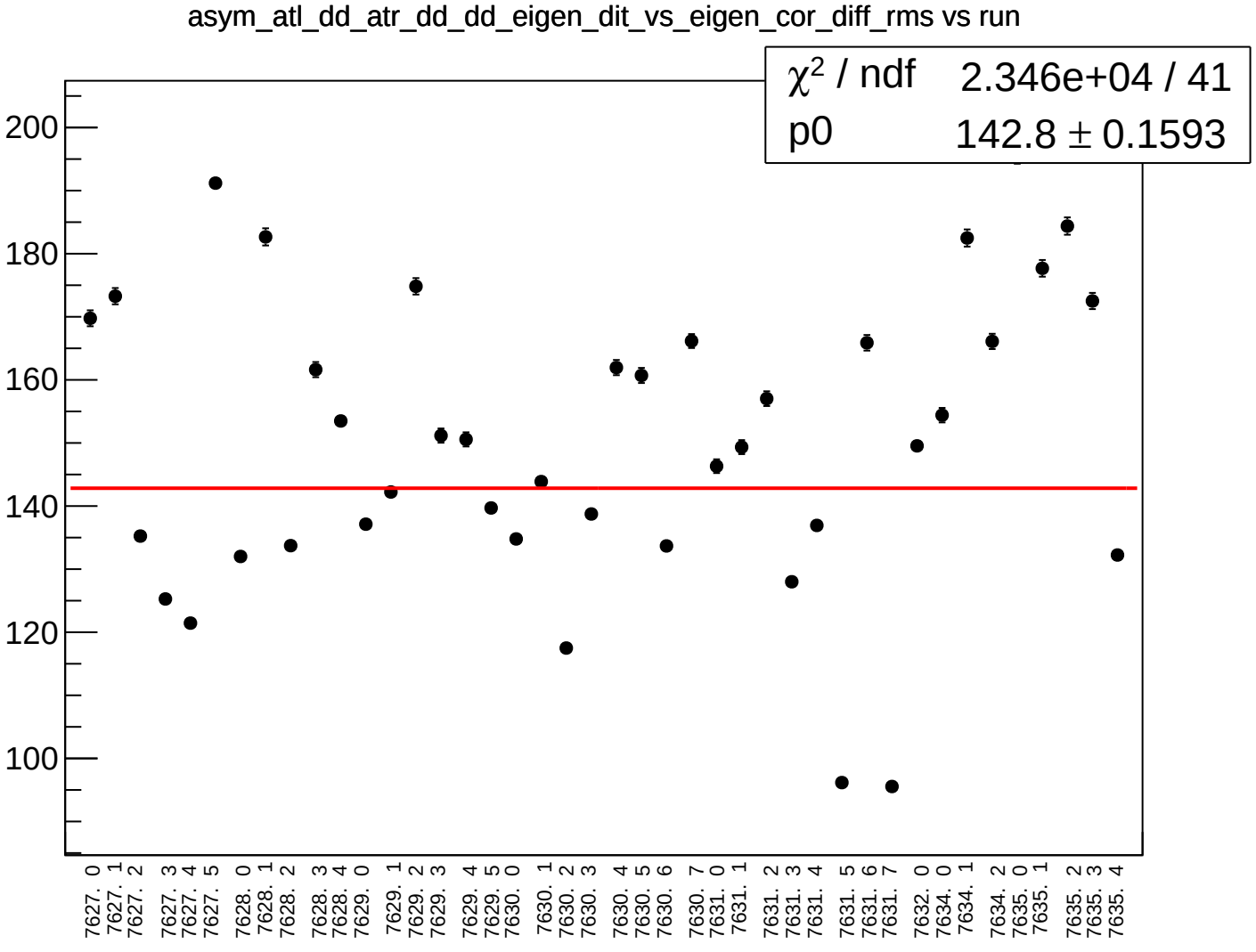

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 33.02 / 41
p0 −2.99e−05 ± 2.032e−05
0.4
0.2
0
−0.2
−0.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 478.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.00184
Std Dev 0.8866
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

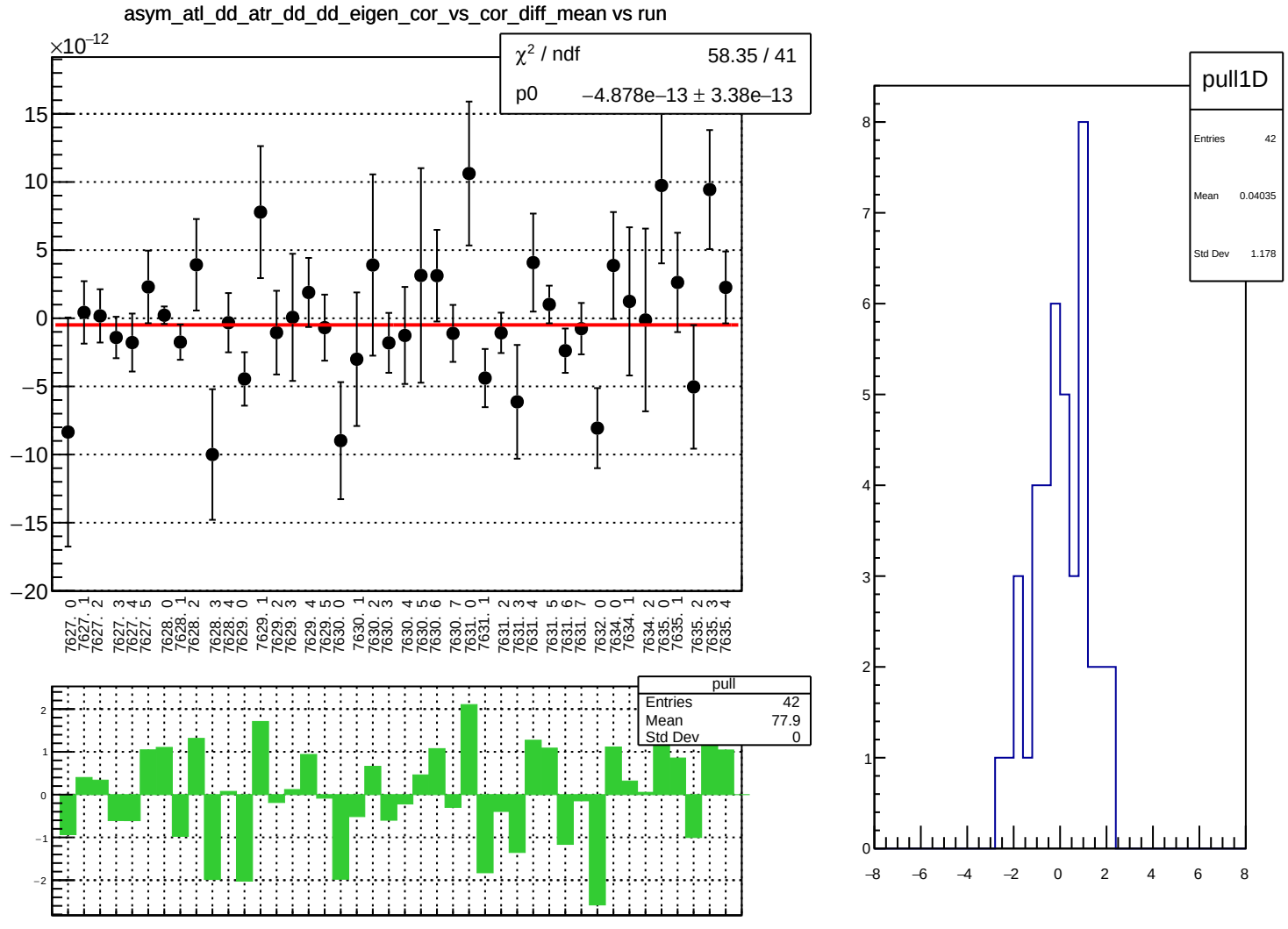

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1503 / 41
p0 0.01306 ± 1.437e–05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

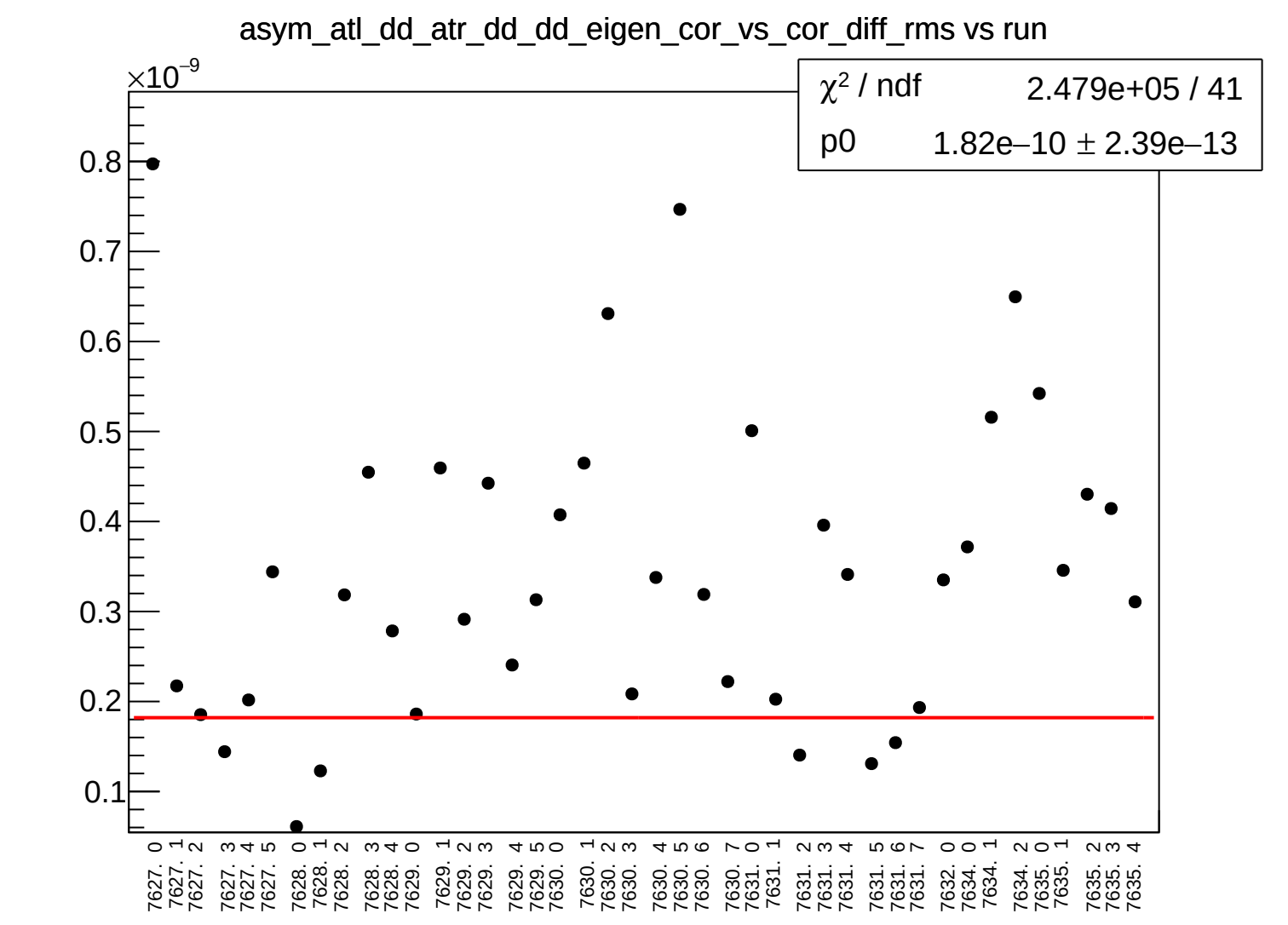

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.55 / 41
p0 −0.4535 ± 0.2252
pull
Entries 42
Mean 1053
Std Dev 0
pull1D
Entries 42
Mean 0.0008751
Std Dev 0.8667

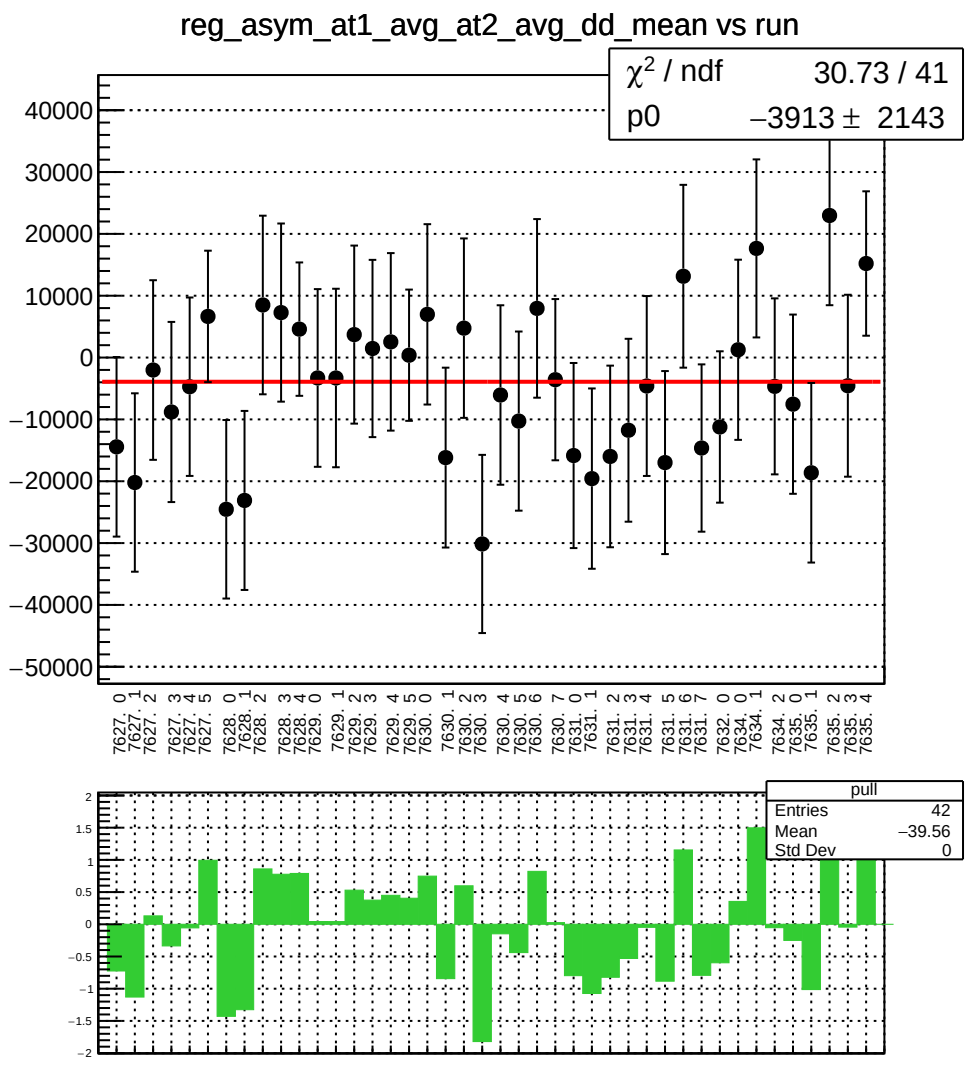

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.346e+04 / 41
p0 142.8 ± 0.1593
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

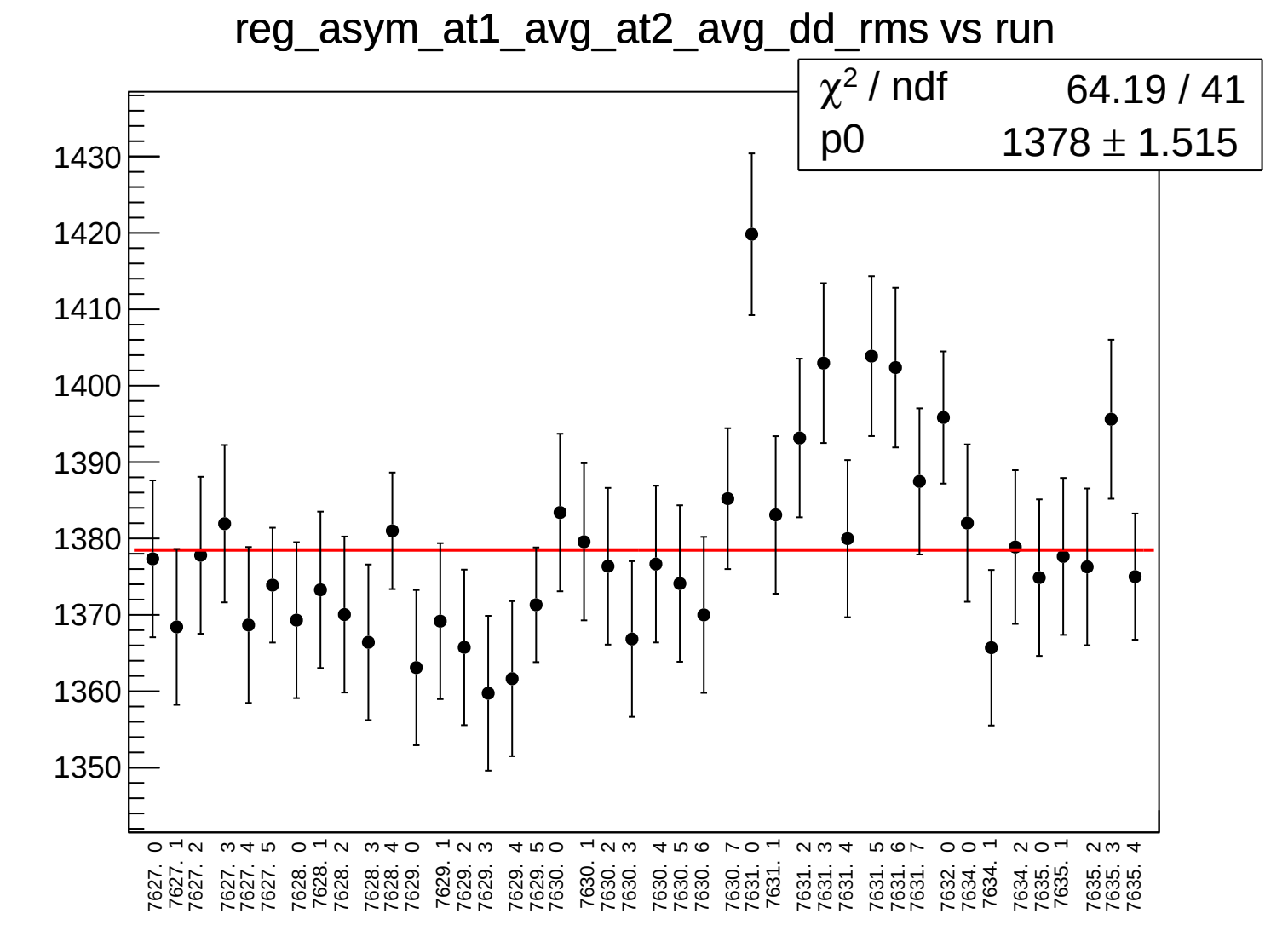

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.55 / 41
p0 −0.4535 ± 0.2252
pull
Entries 42
Mean 1053
Std Dev 0
pull1D
Entries 42
Mean 0.0008751
Std Dev 0.8667

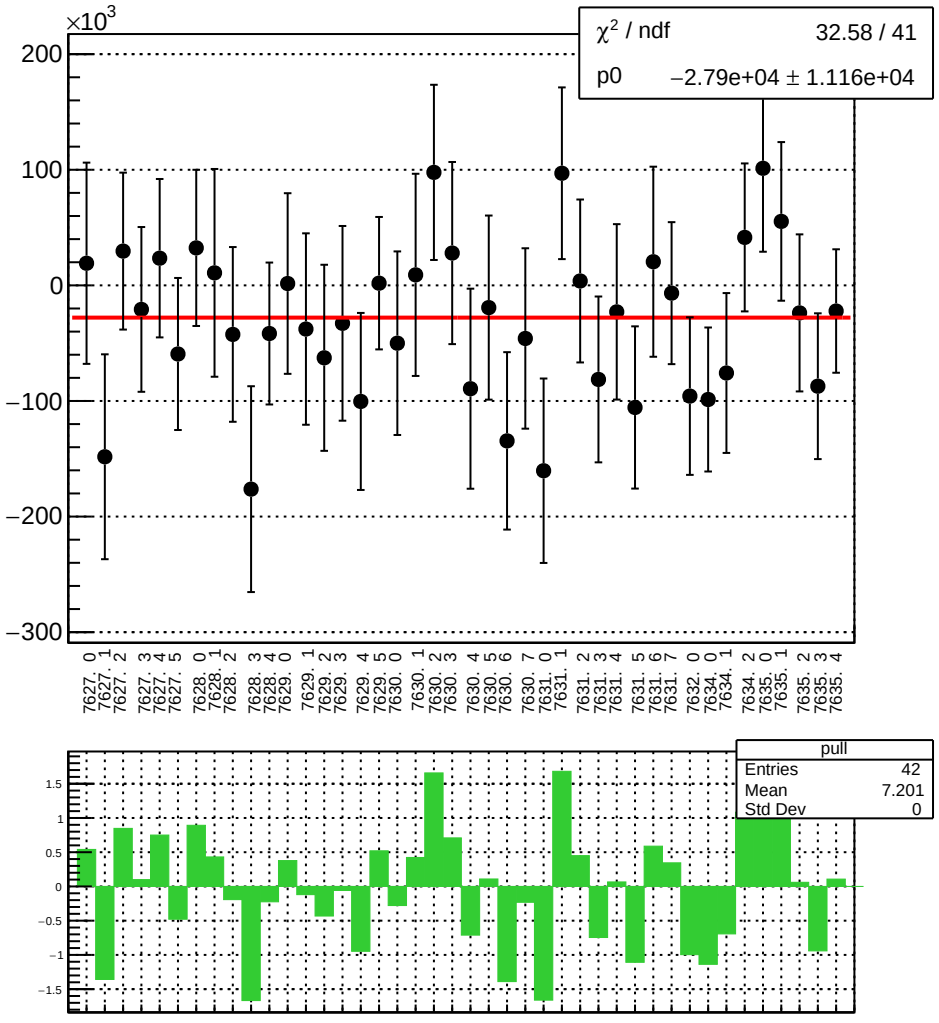

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.346e+04 / 41
p0 142.8 ± 0.1593
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

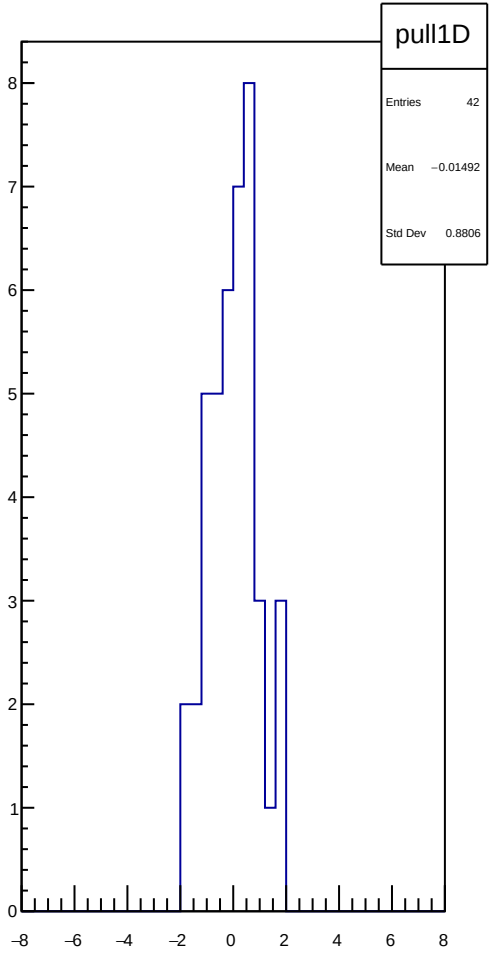

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.35 / 41
p0 −4.878e−13 ± 3.38e−13
pull
Entries 42
Mean 77.9
Std Dev 0
pull1D
Entries 42
Mean 0.04035
Std Dev 1.178

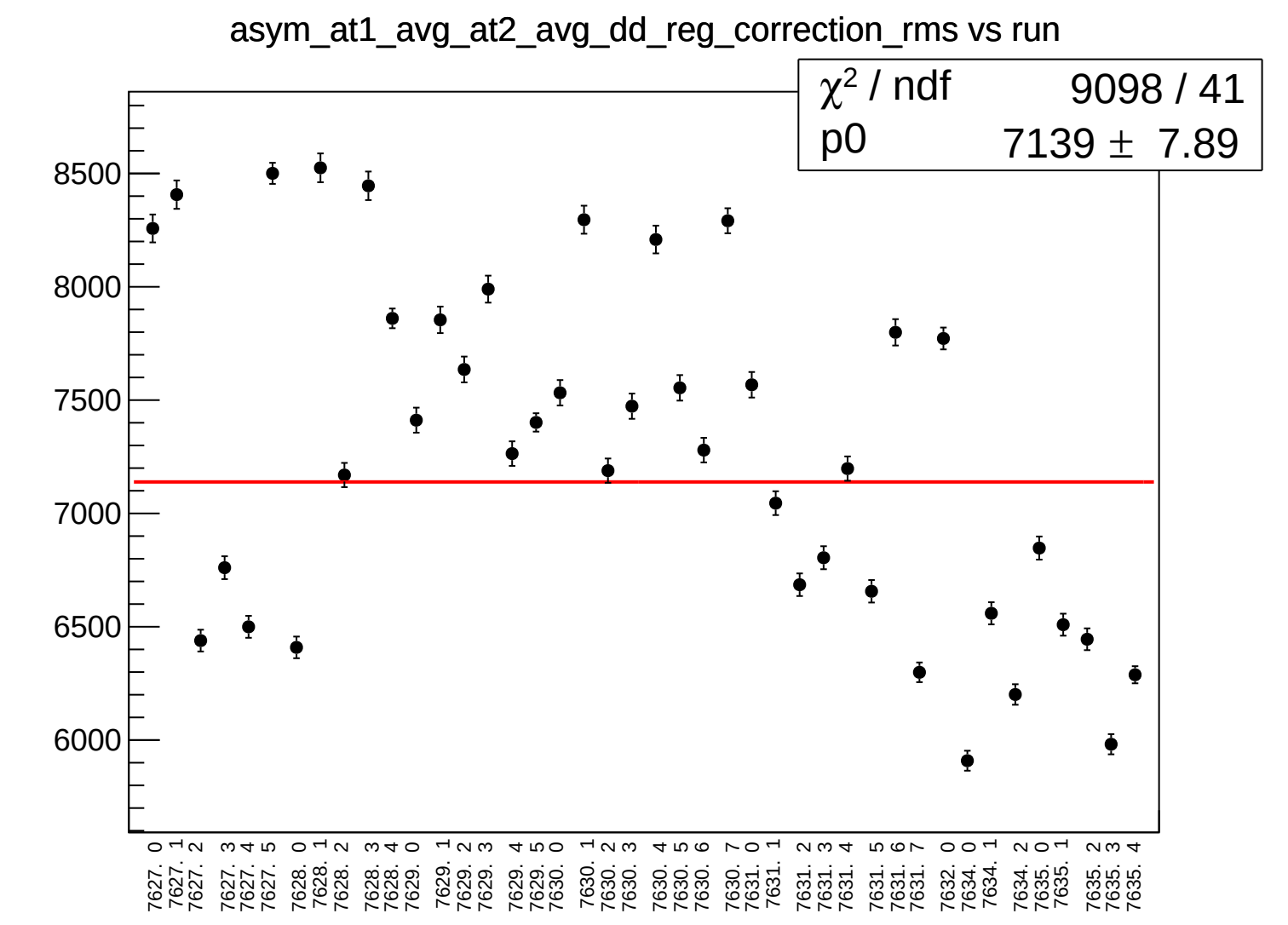

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.479e+05 / 41
p0 1.82e−10 ± 2.39e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

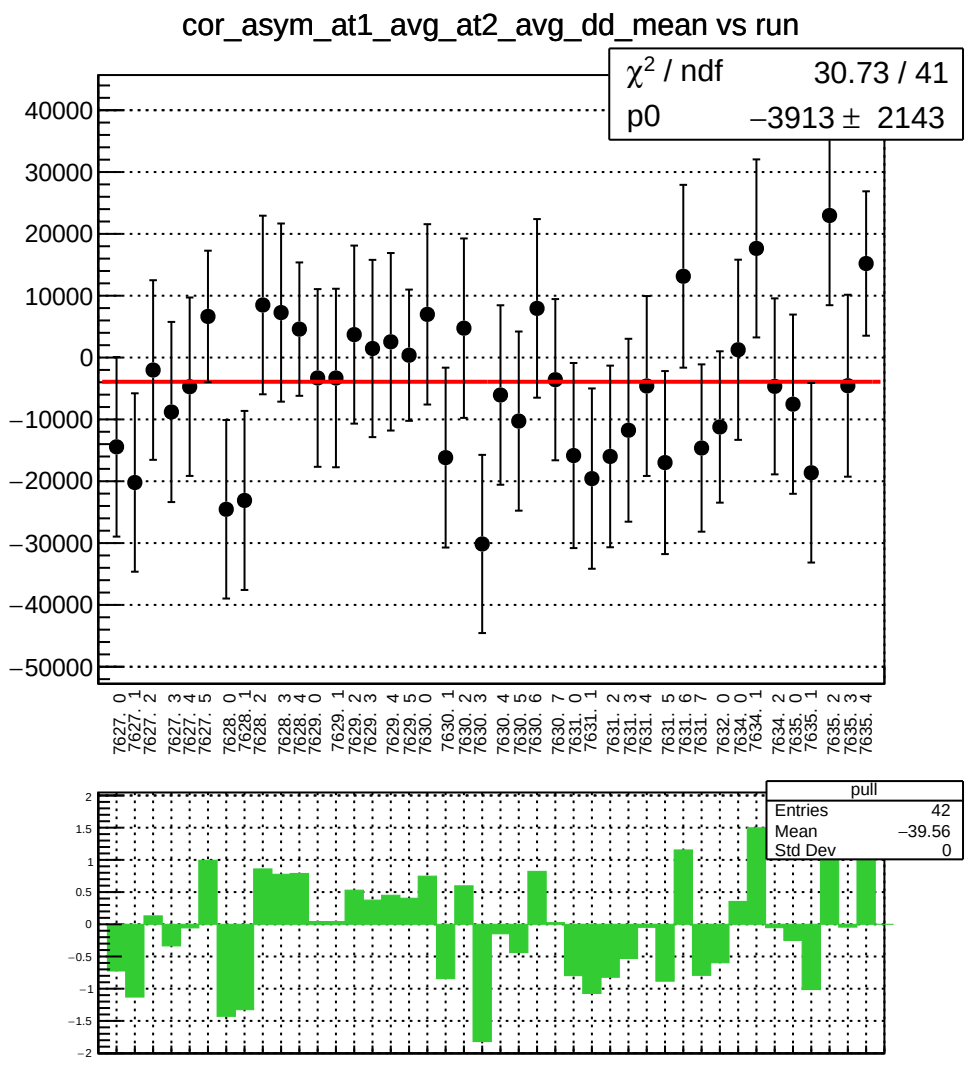

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
pull
Entries 42
Mean −39.56
Std Dev 0
pull1D
Entries 42
Mean −0.02545
Std Dev 0.855

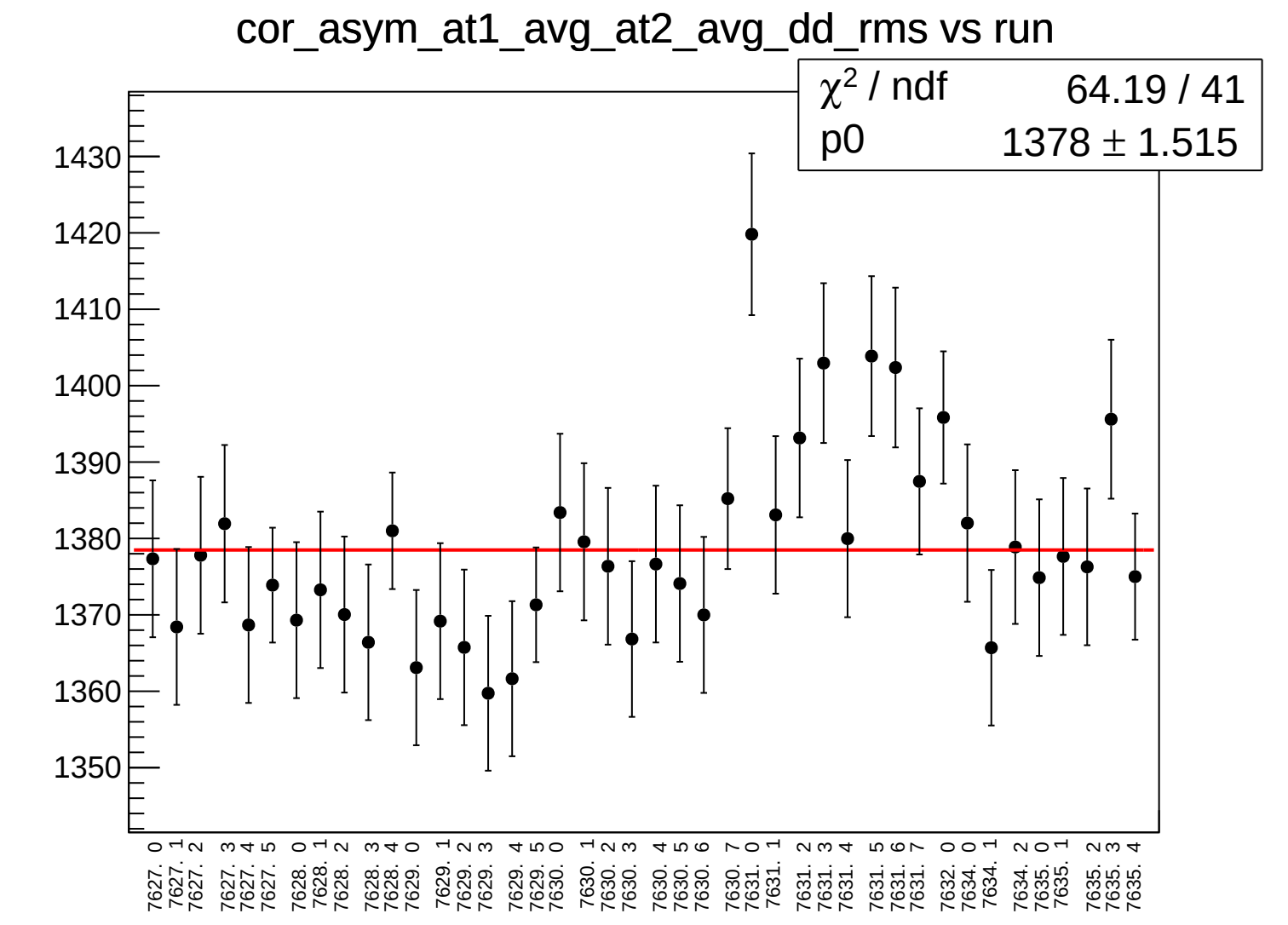

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

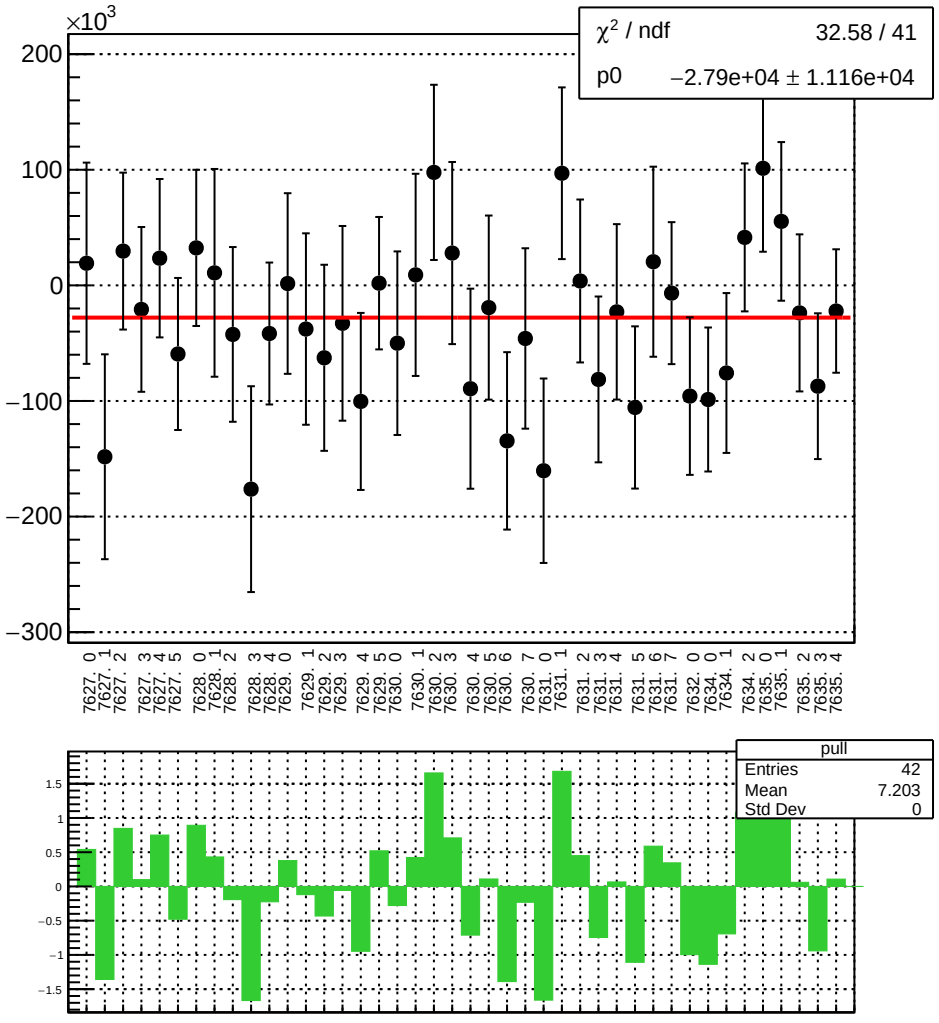

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −2.79e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.201
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

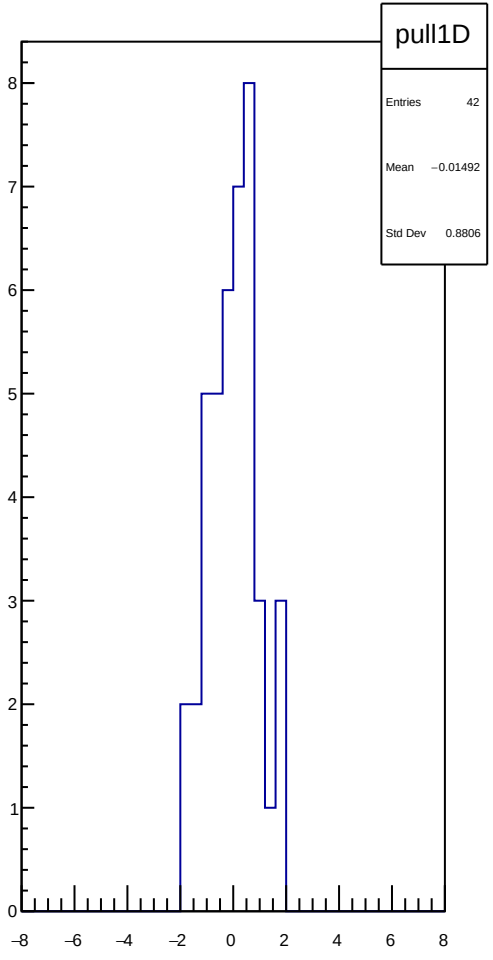

pull1D
Entries 42
Mean −0.01492
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

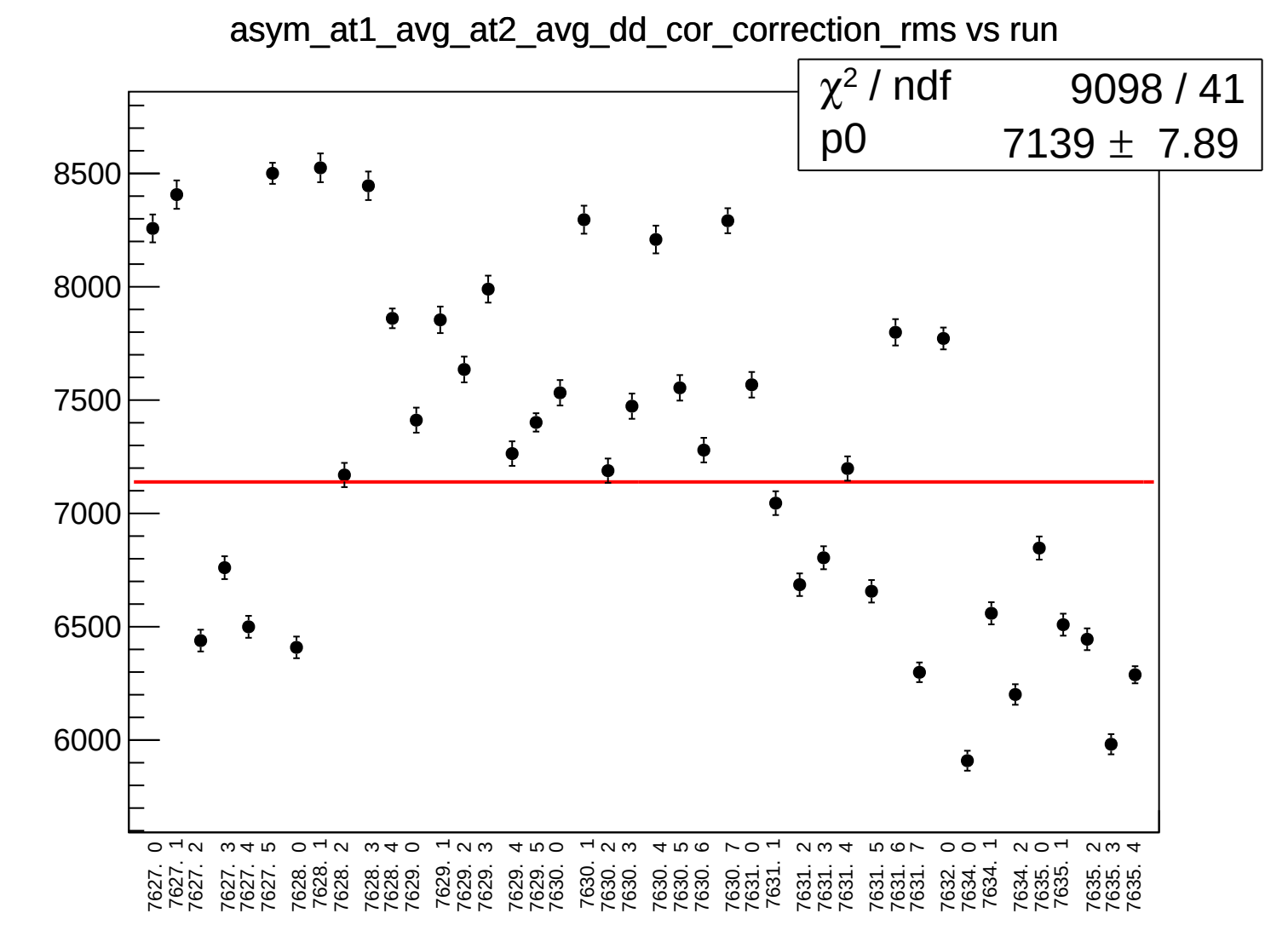

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

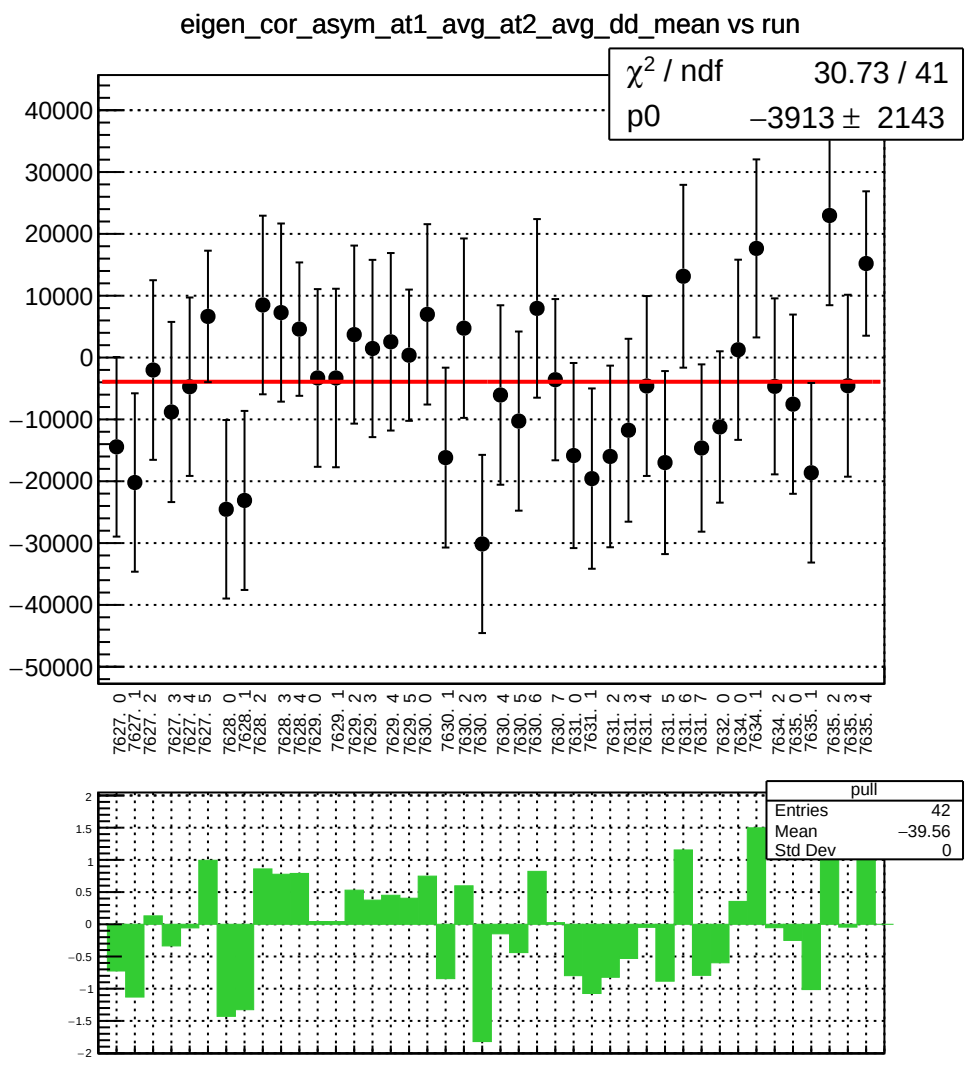

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −39.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02545
Std Dev 0.855
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

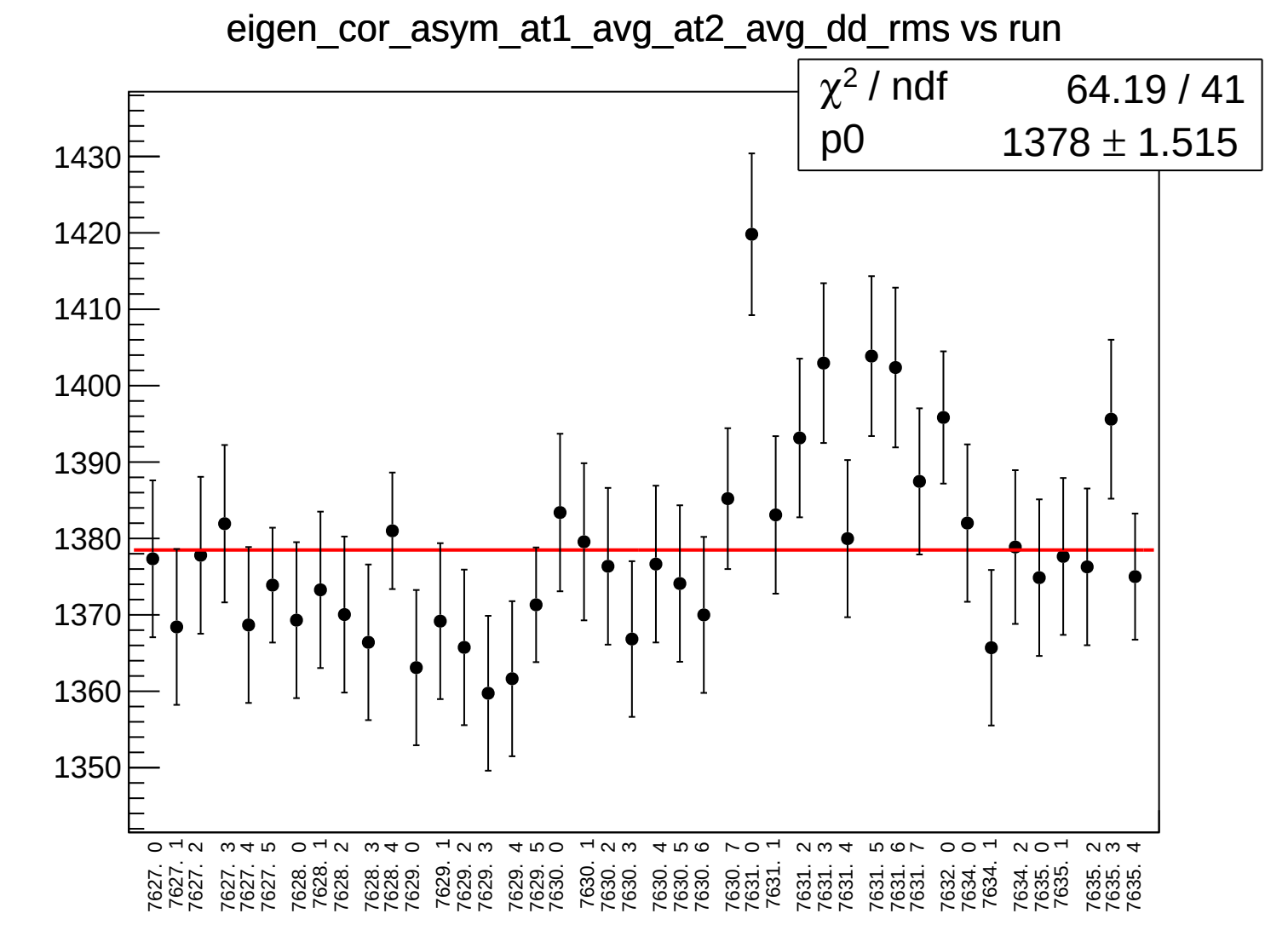

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −2.79e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01492
Std Dev 0.8806
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 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −39.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02545
Std Dev 0.855
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 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
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7629. 0
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7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
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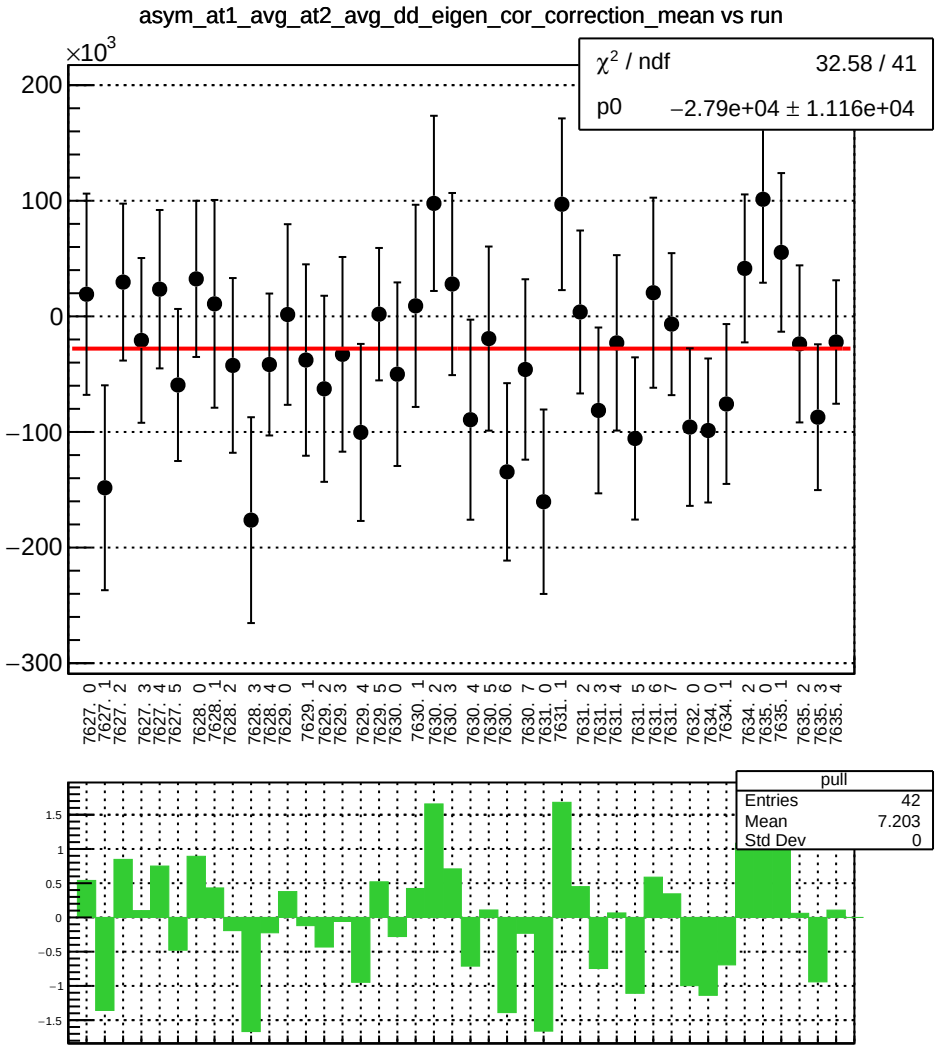
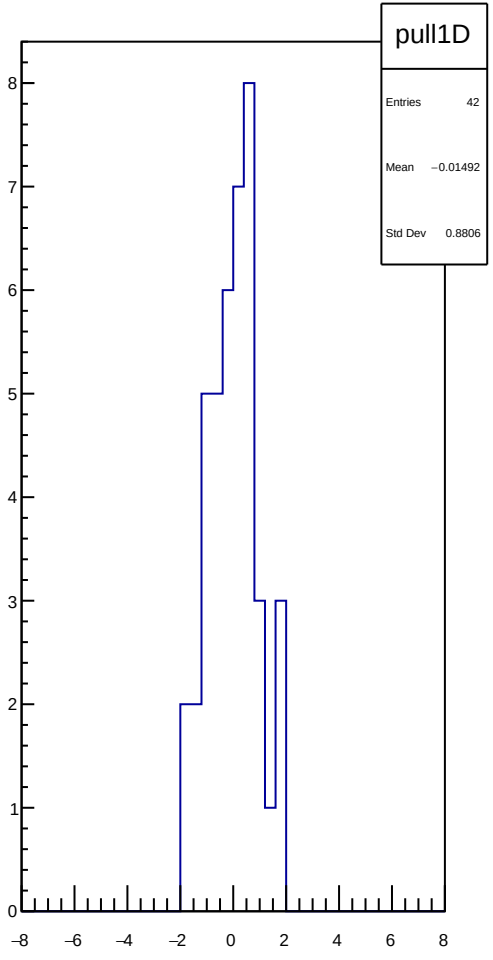
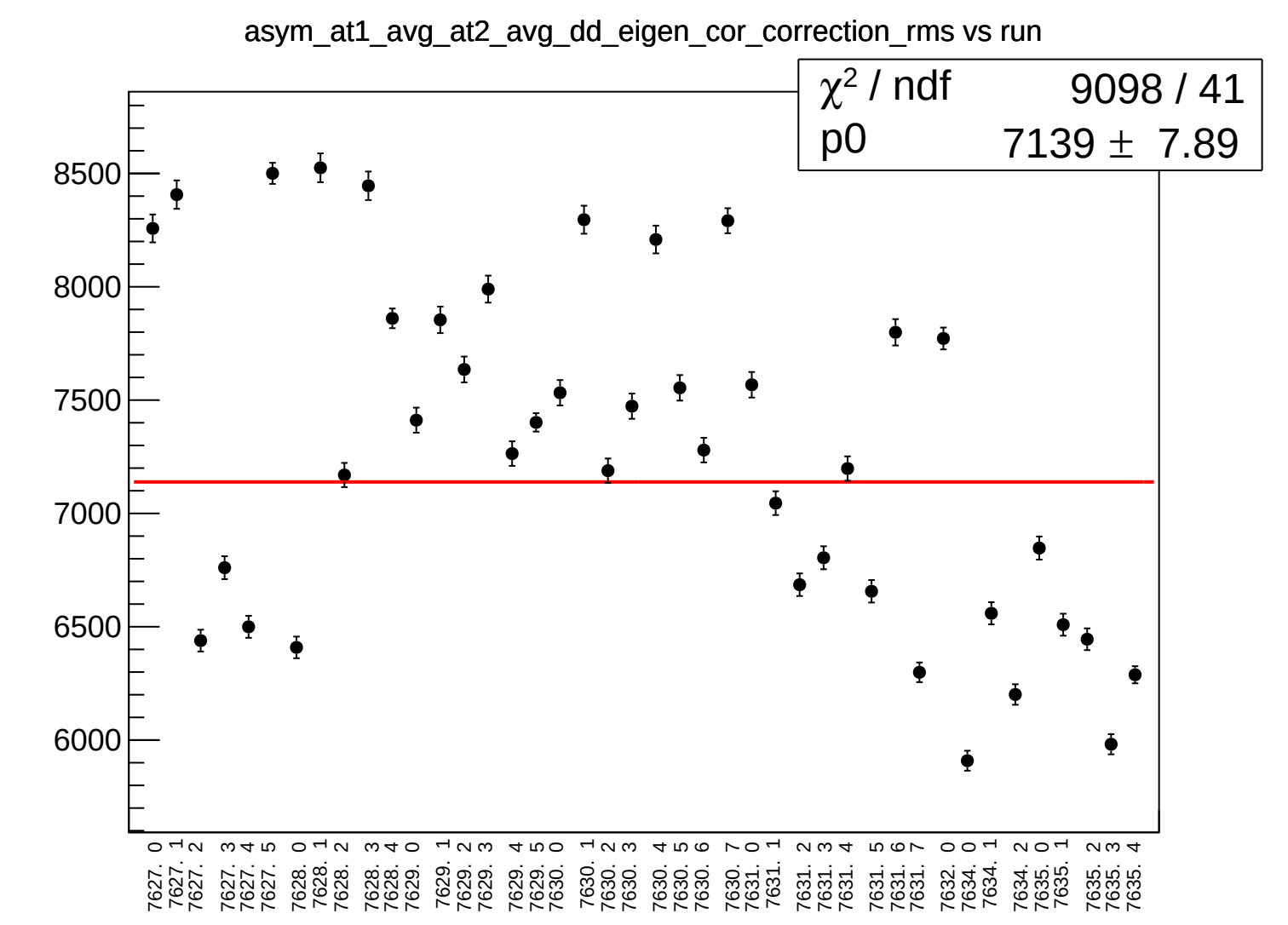
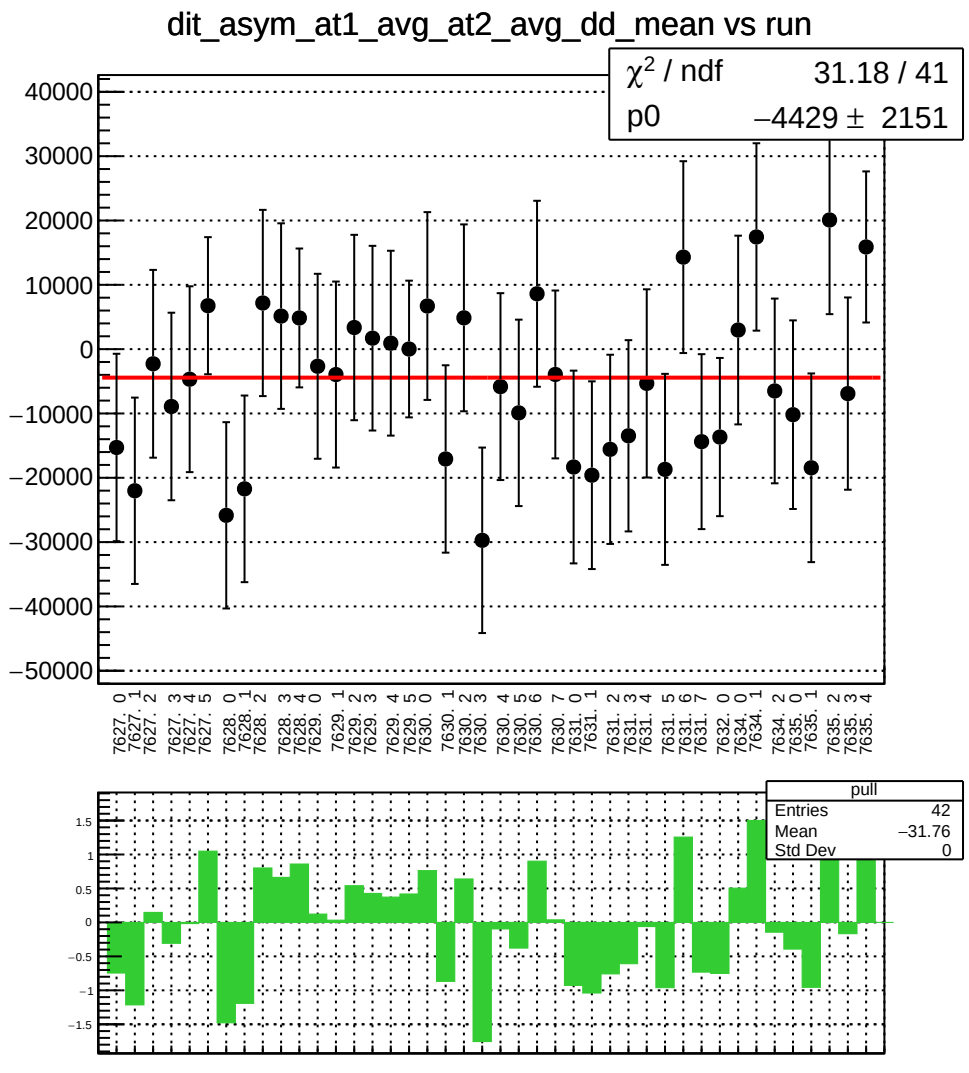
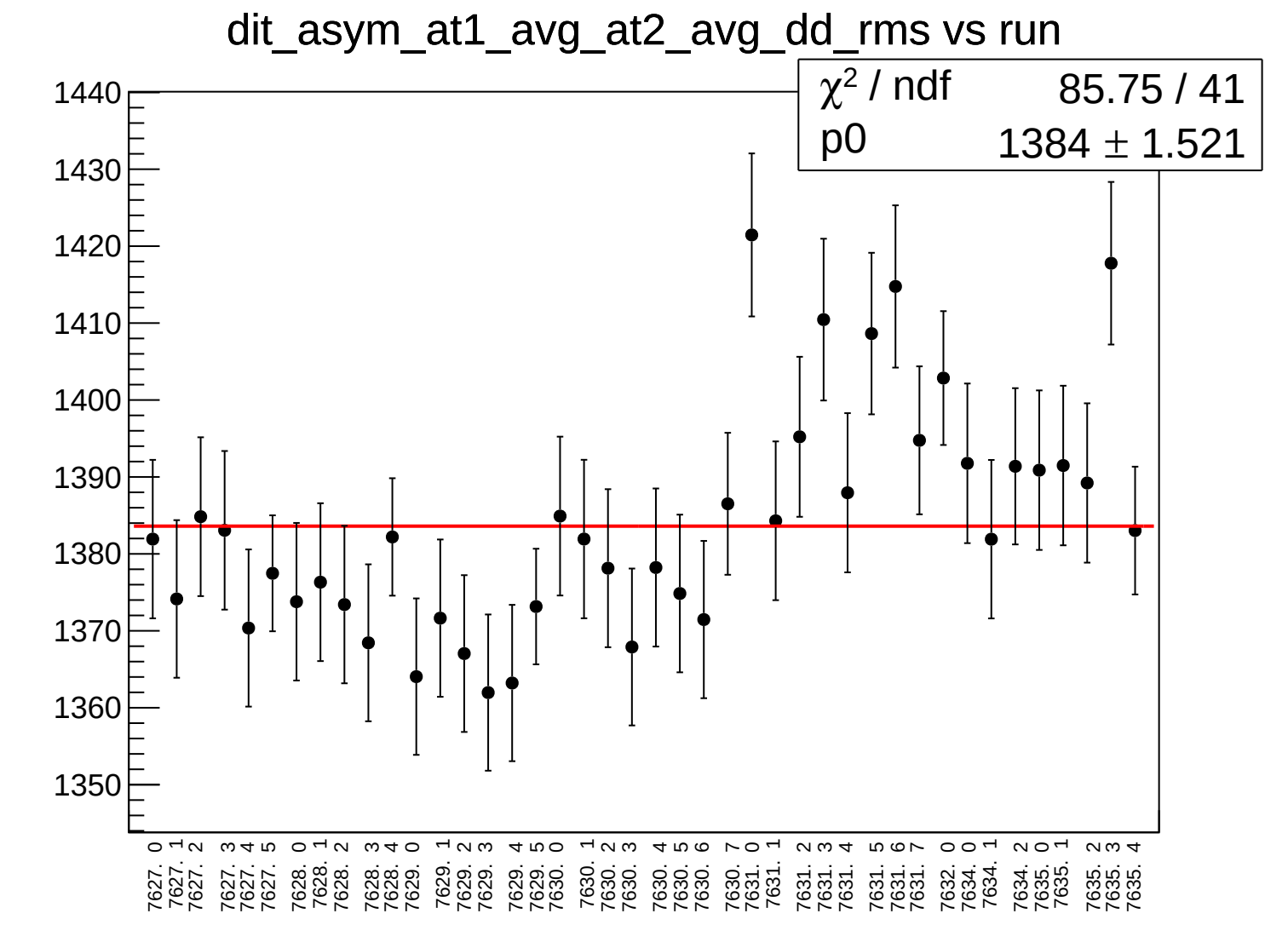
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

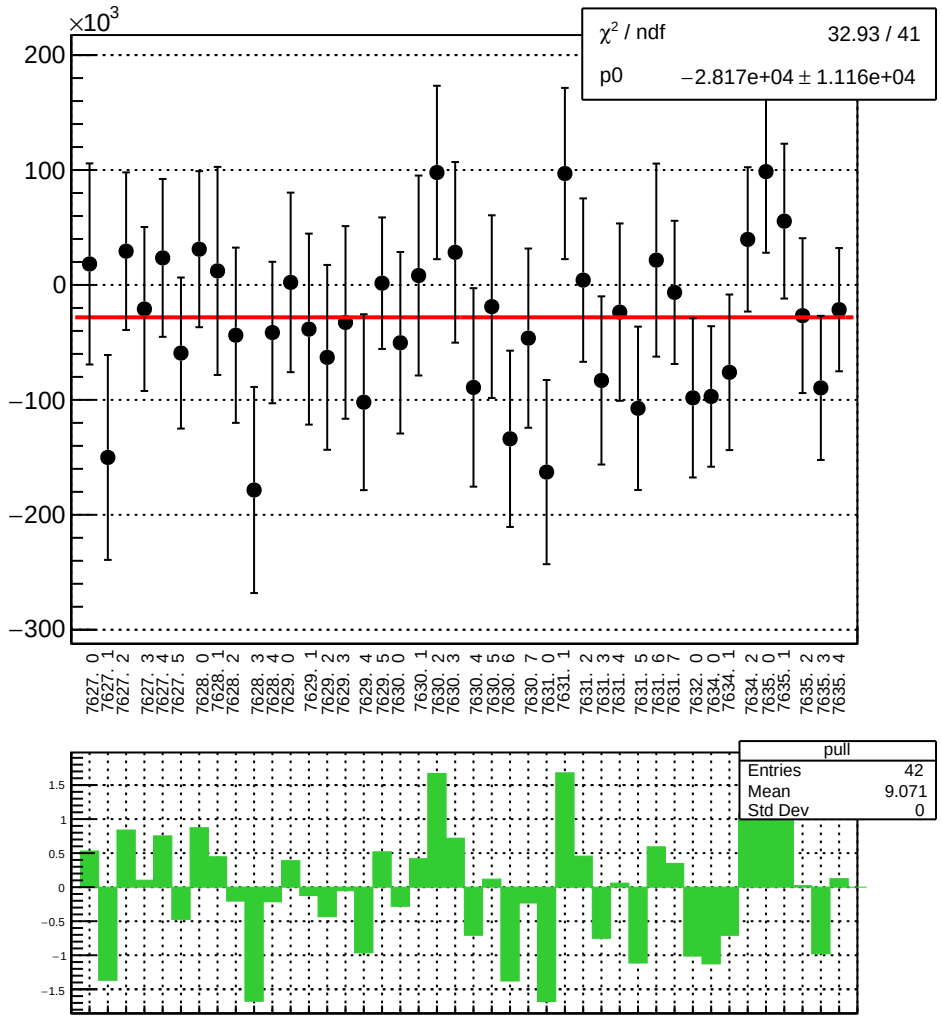

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −2.79e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

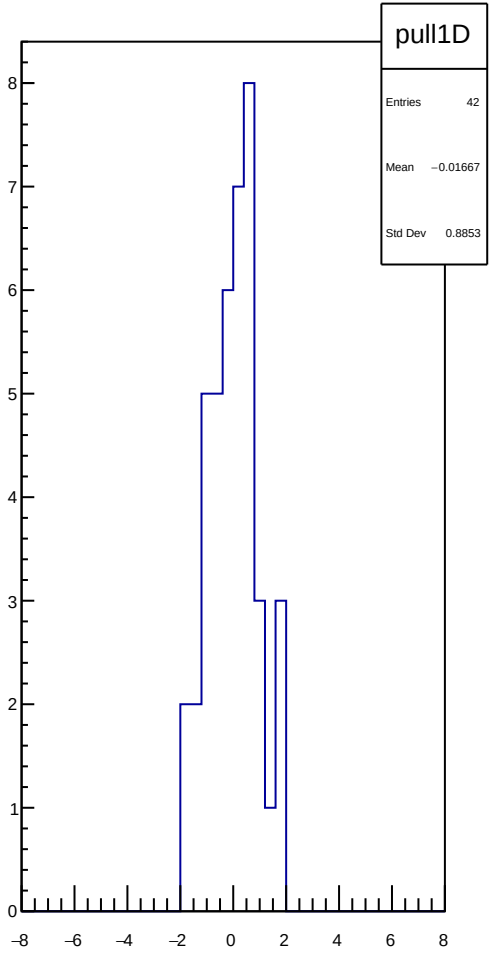

pull1D
Entries 42
Mean −0.01492
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

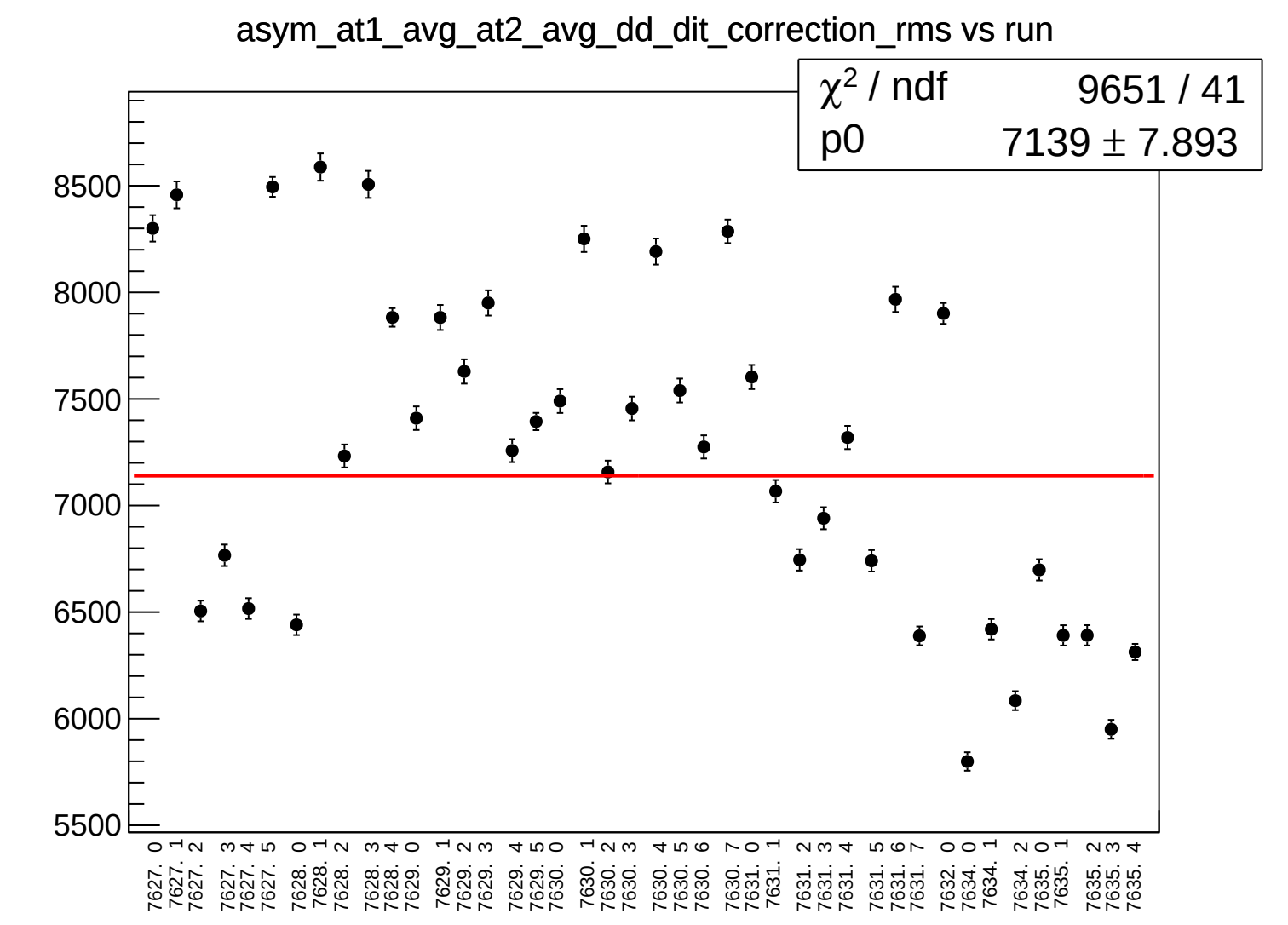

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

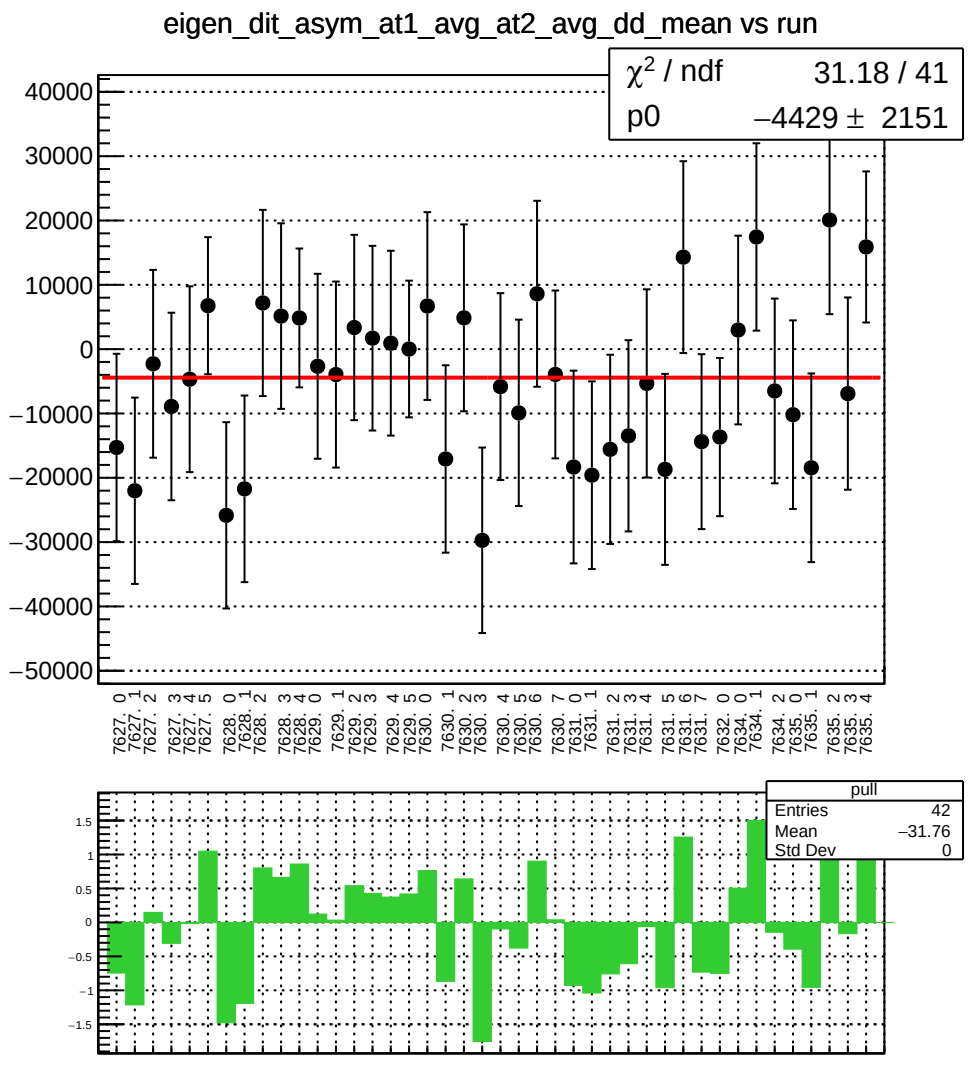

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 31.18 / 41
p0 −4429 ± 2151
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02625
Std Dev 0.8612
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

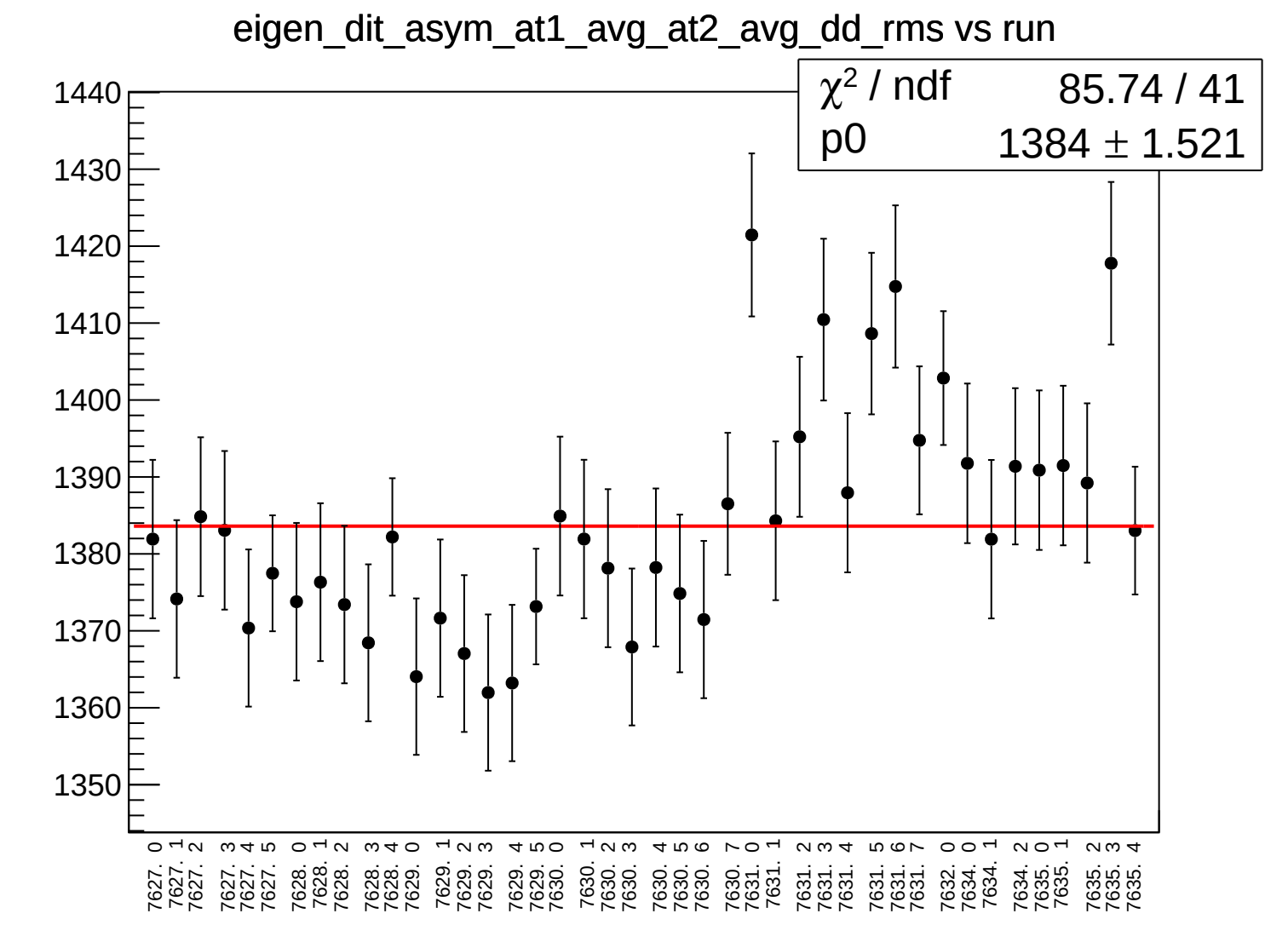

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 85.75 / 41
p0 1384 ± 1.521
1440
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

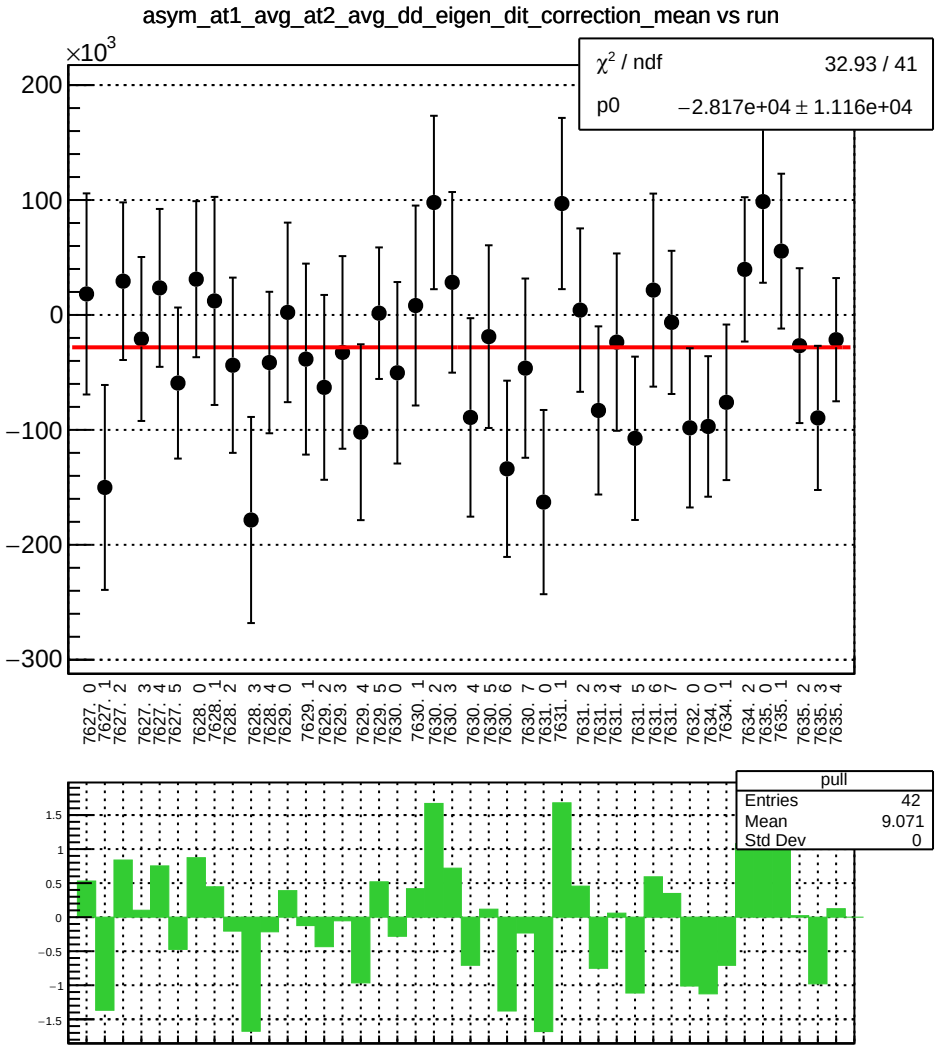

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 32.93 / 41
p0 −2.817e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.071
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

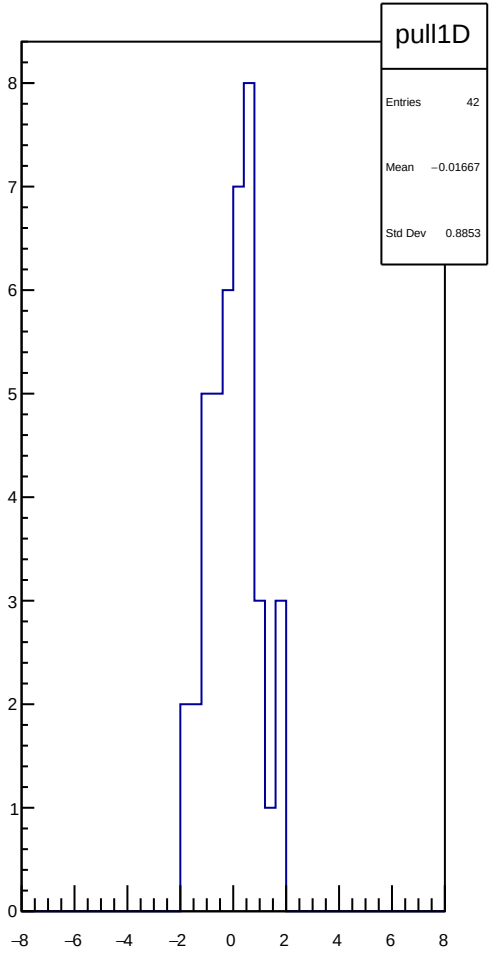

pull1D
Entries 42
Mean −0.01667
Std Dev 0.8853
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

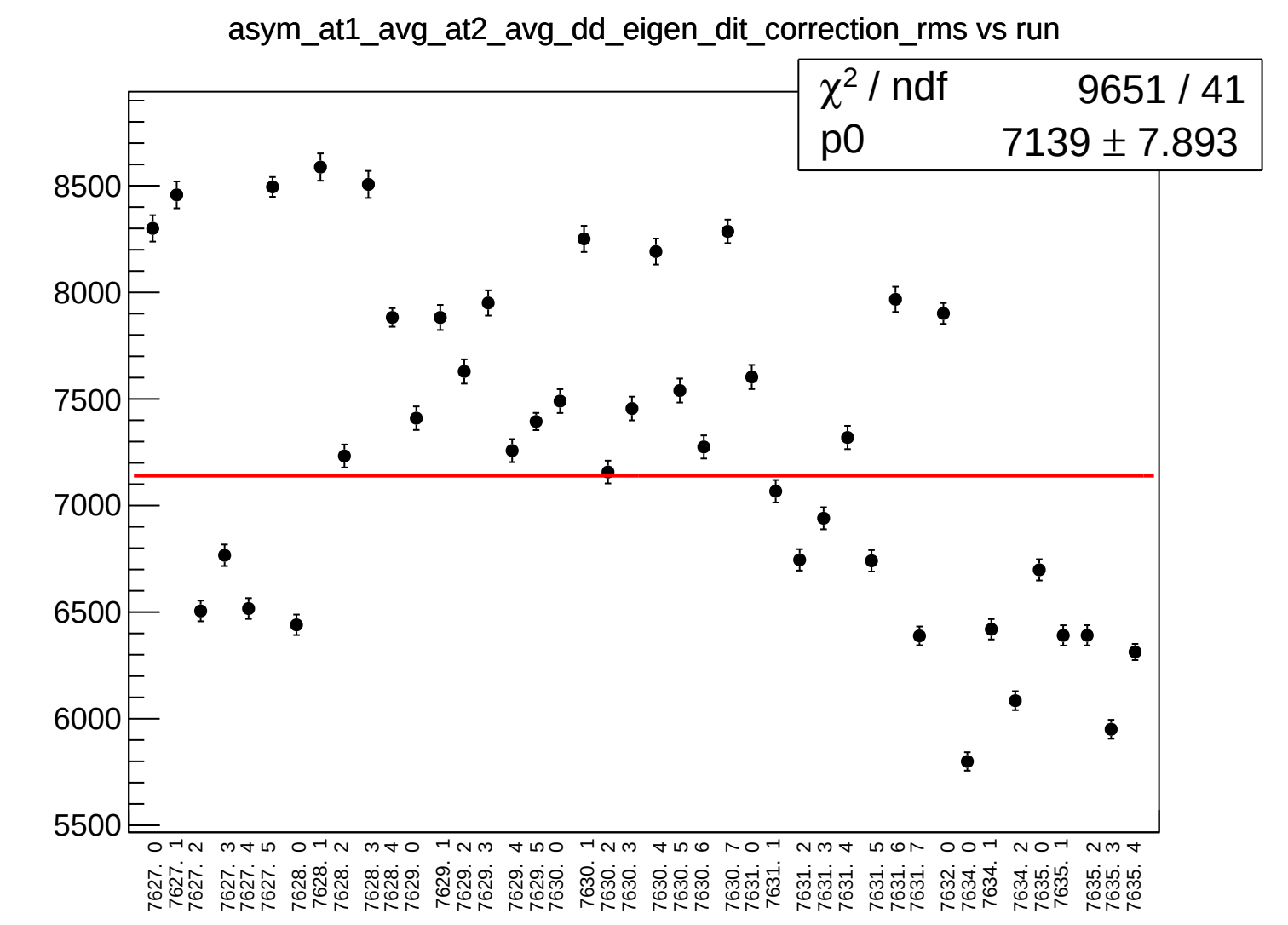

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 9651 / 41
p0 7139 ± 7.893
8500
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

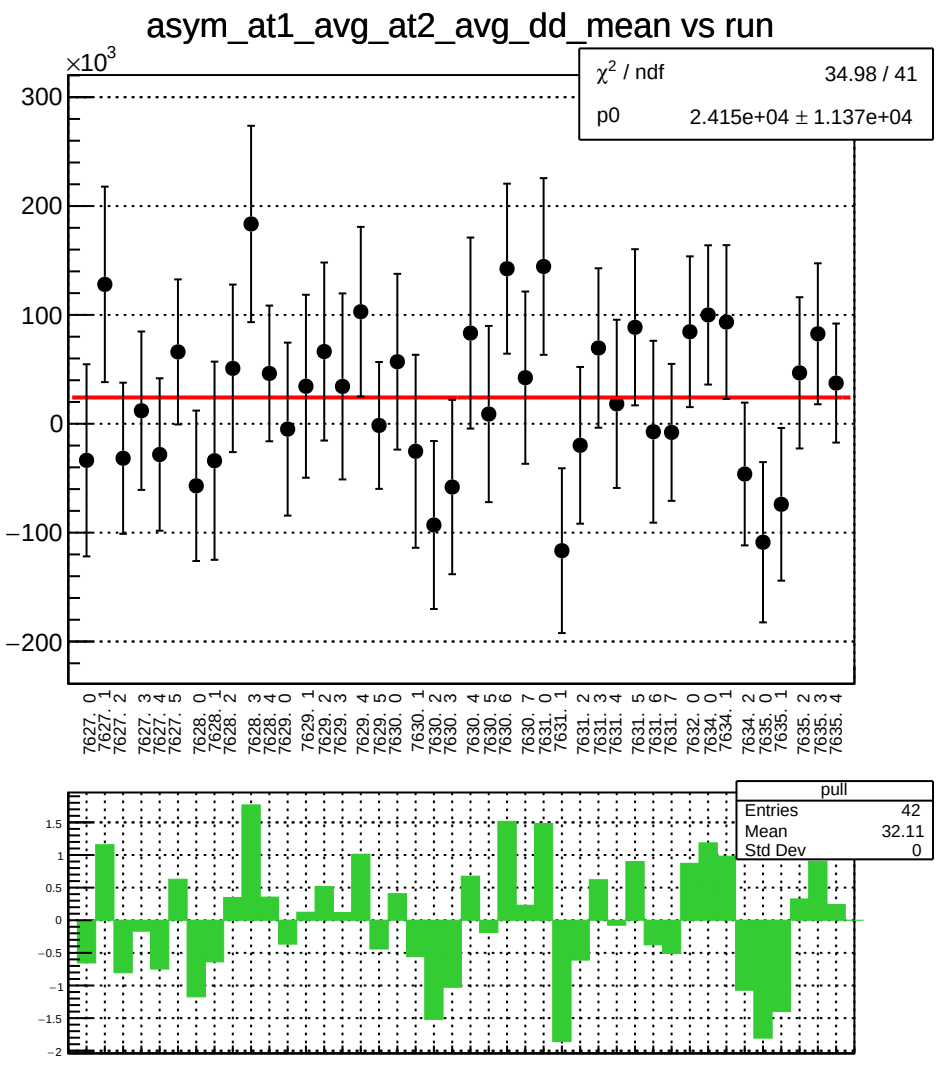

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 31.18 / 41
p0 −4429 ± 2151
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02625
Std Dev 0.8612
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

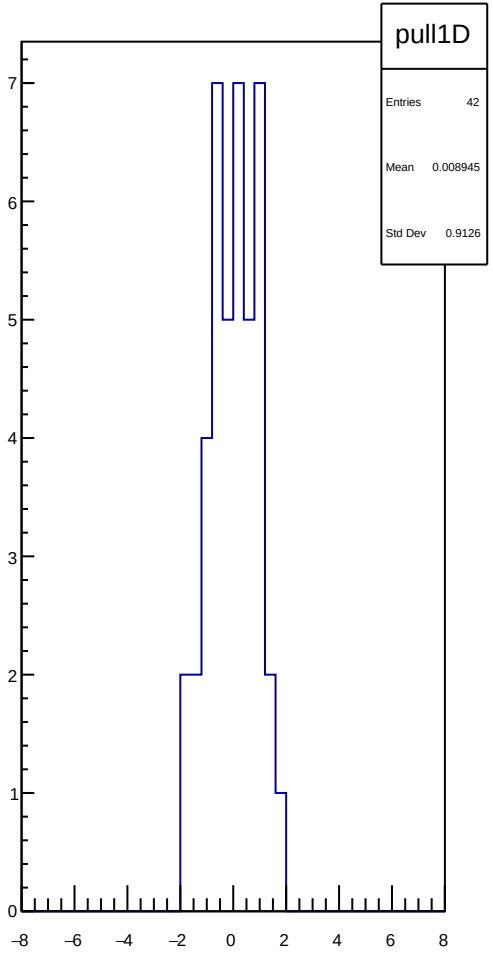

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 85.74 / 41
p0 1384 ± 1.521
1440
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

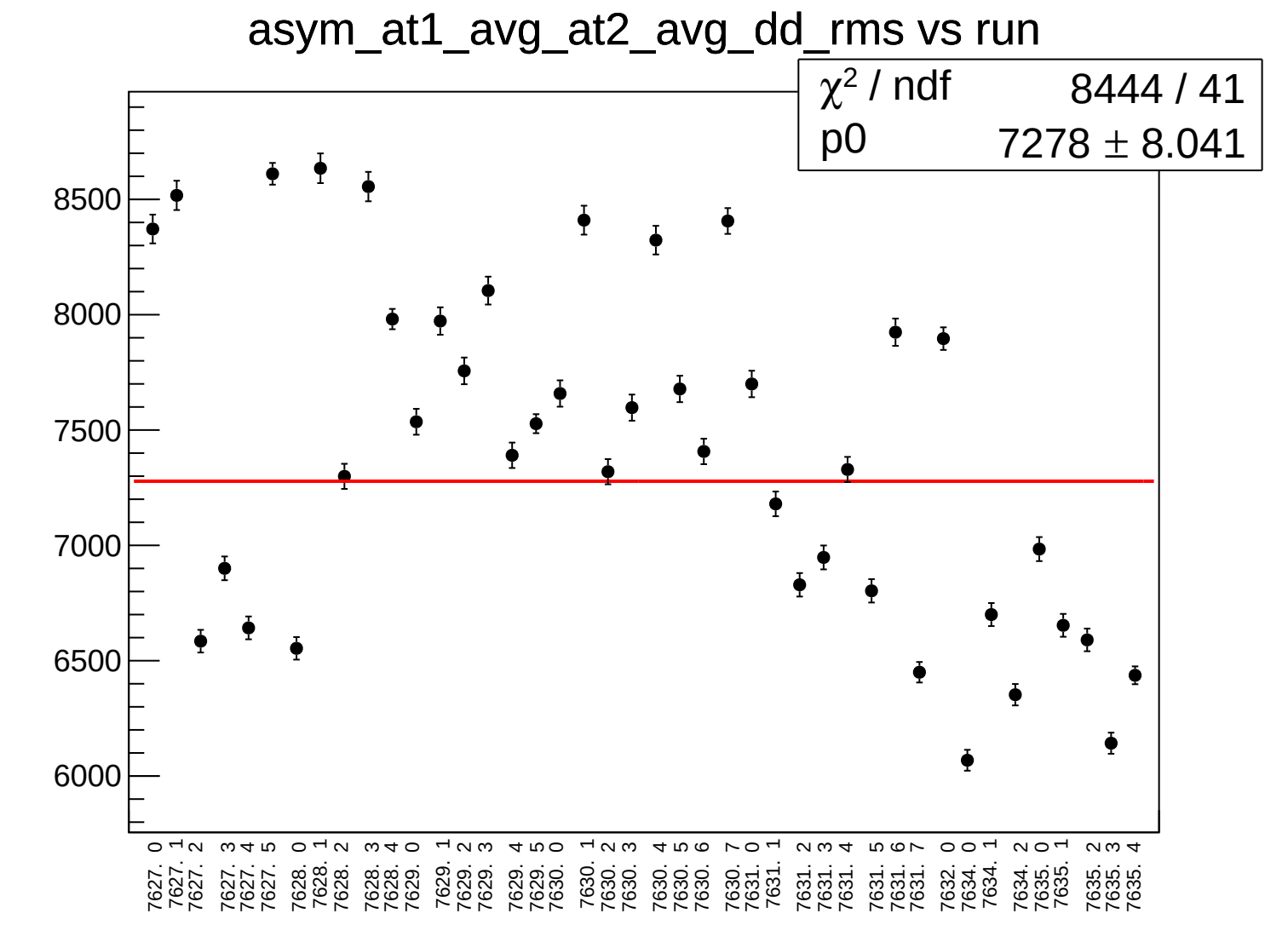

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.93 / 41
p0 −2.817e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.071
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

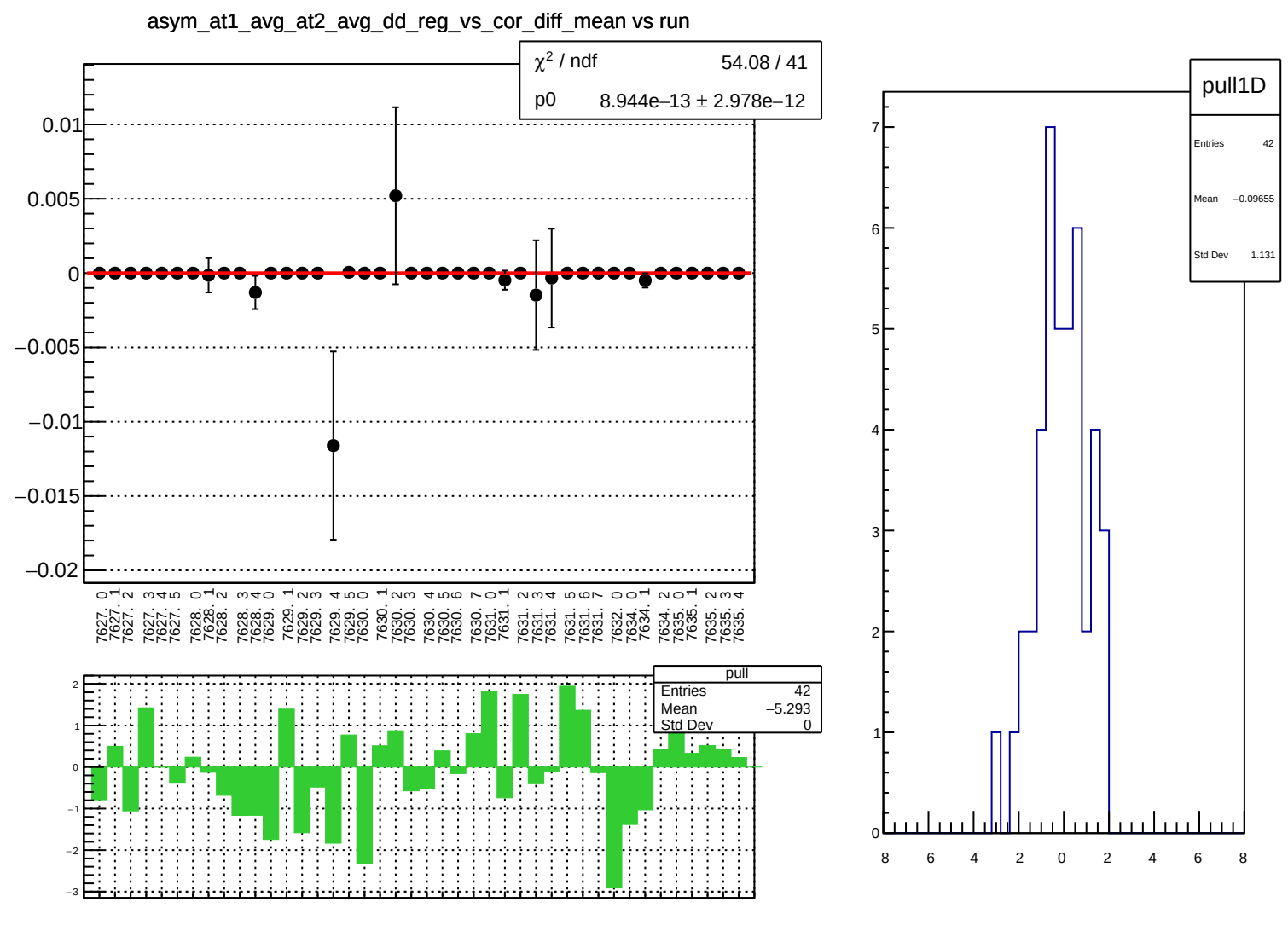

pull1D
Entries 42
Mean −0.01667
Std Dev 0.8853
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

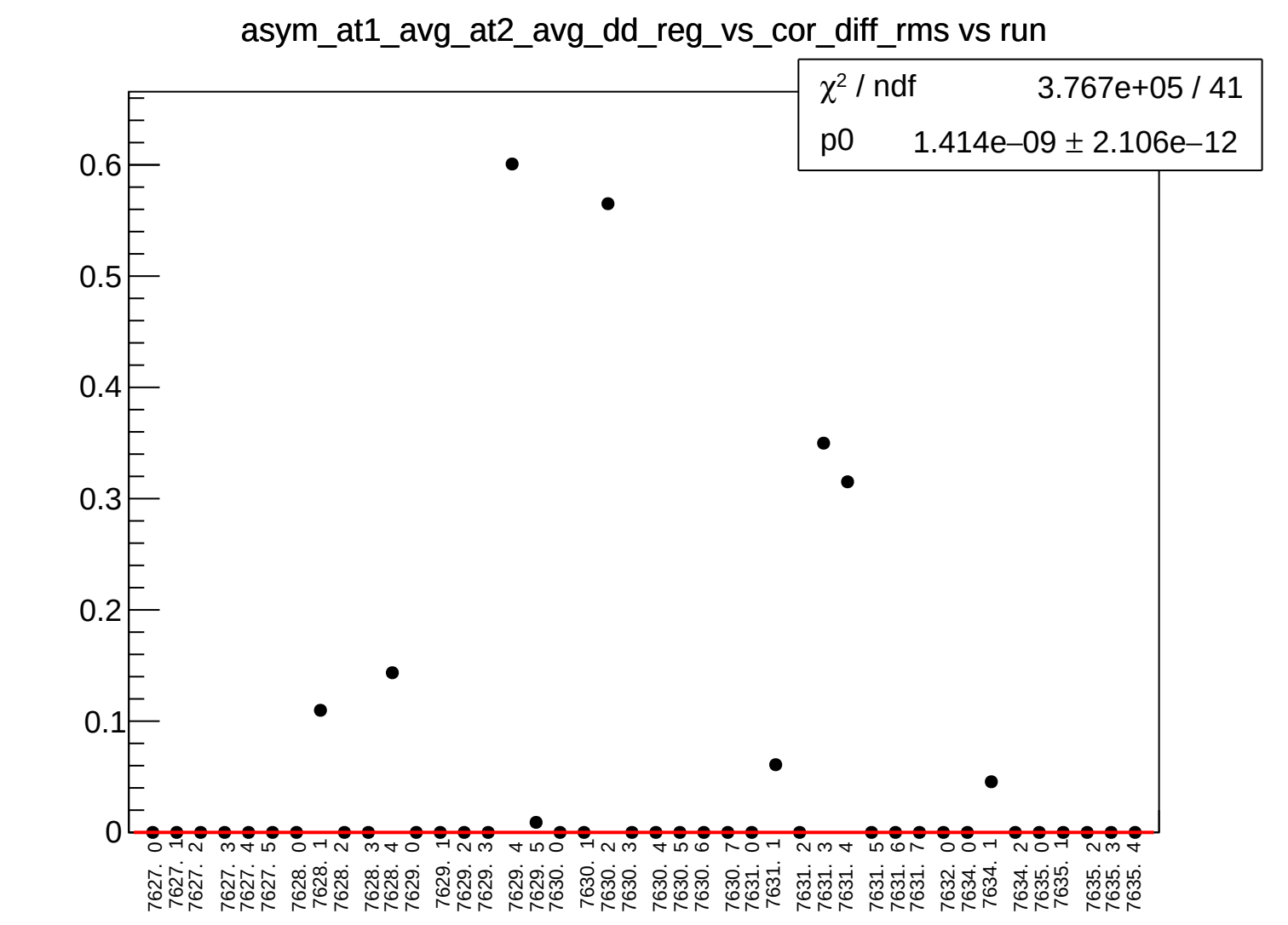

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 9651 / 41
p0 7139 ± 7.893
8500
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

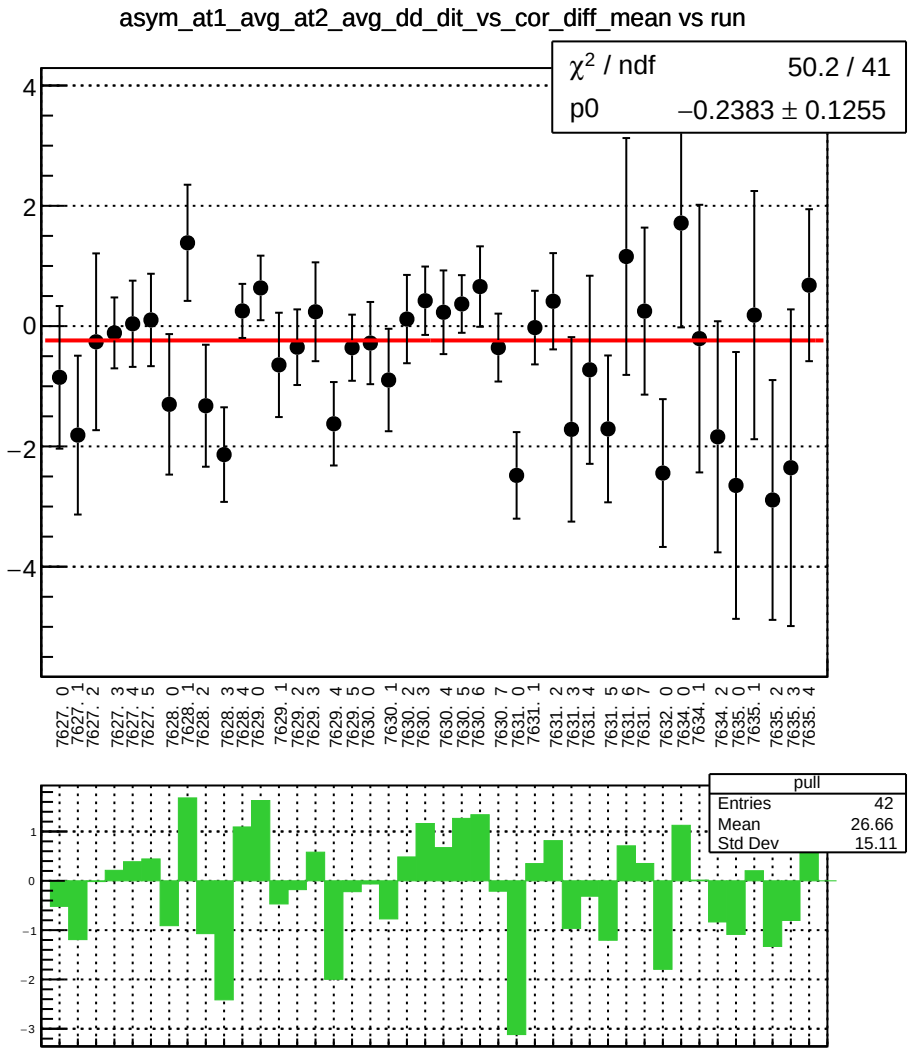

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 34.98 / 41
p0 2.415e+04 ± 1.137e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 32.11
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

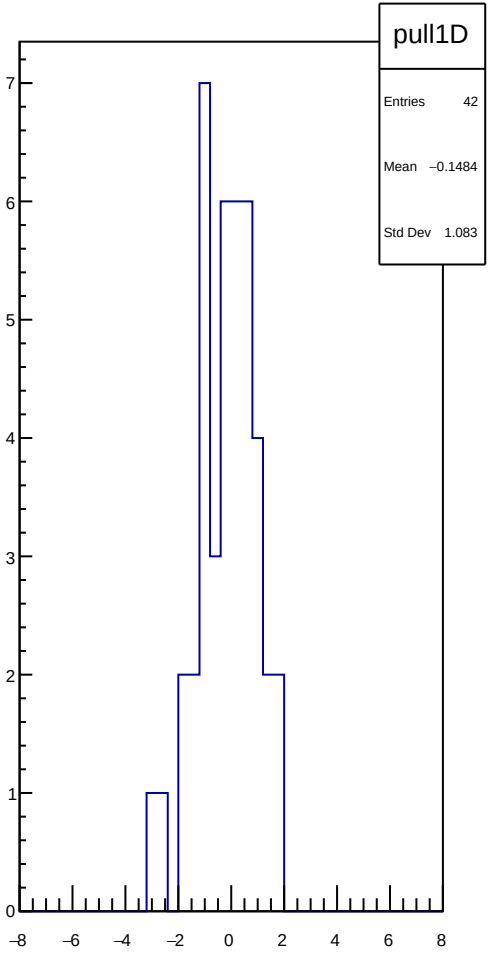

pull1D
Entries 42
Mean 0.008945
Std Dev 0.9126
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

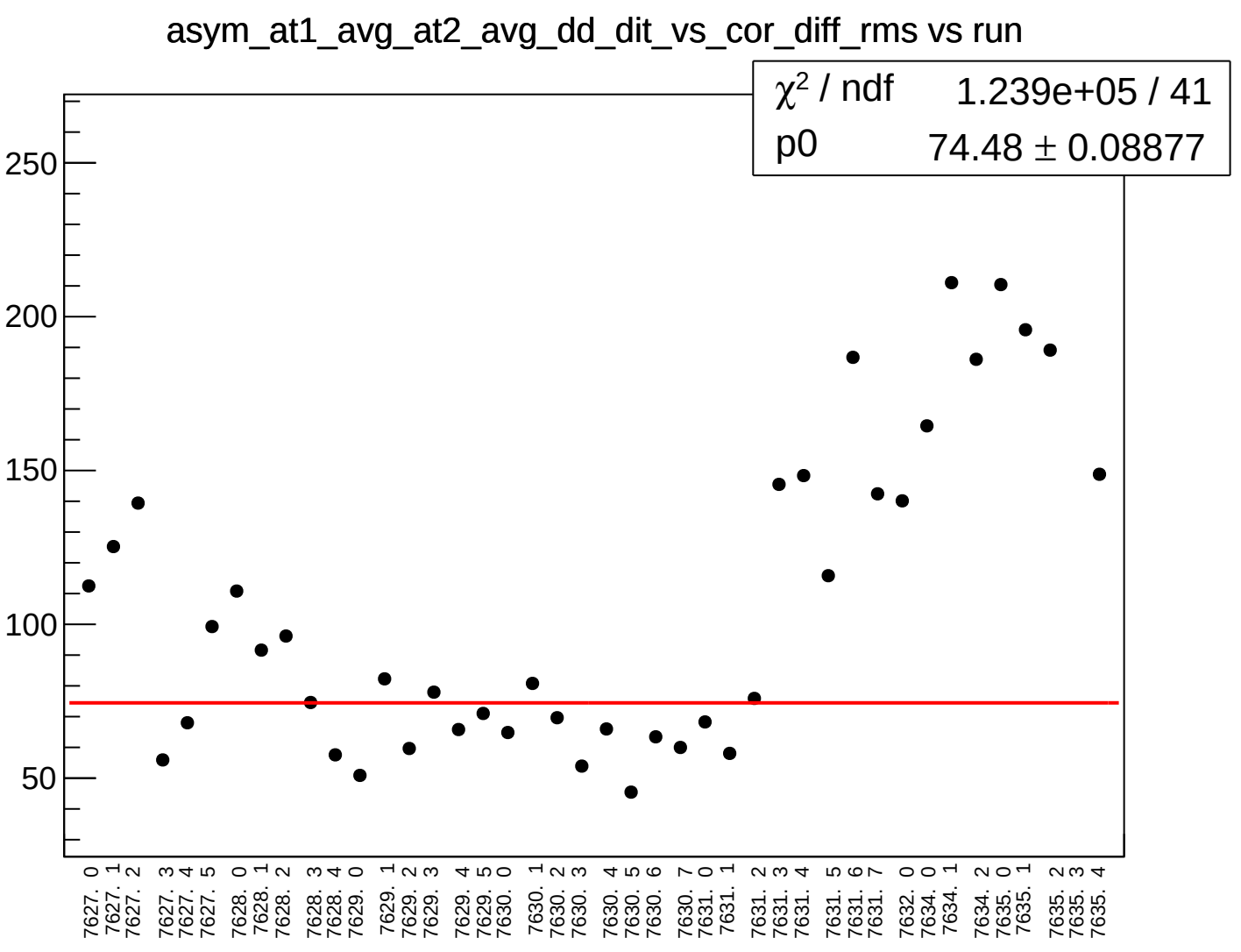

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 8444 / 41
p0 7278 ± 8.041
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

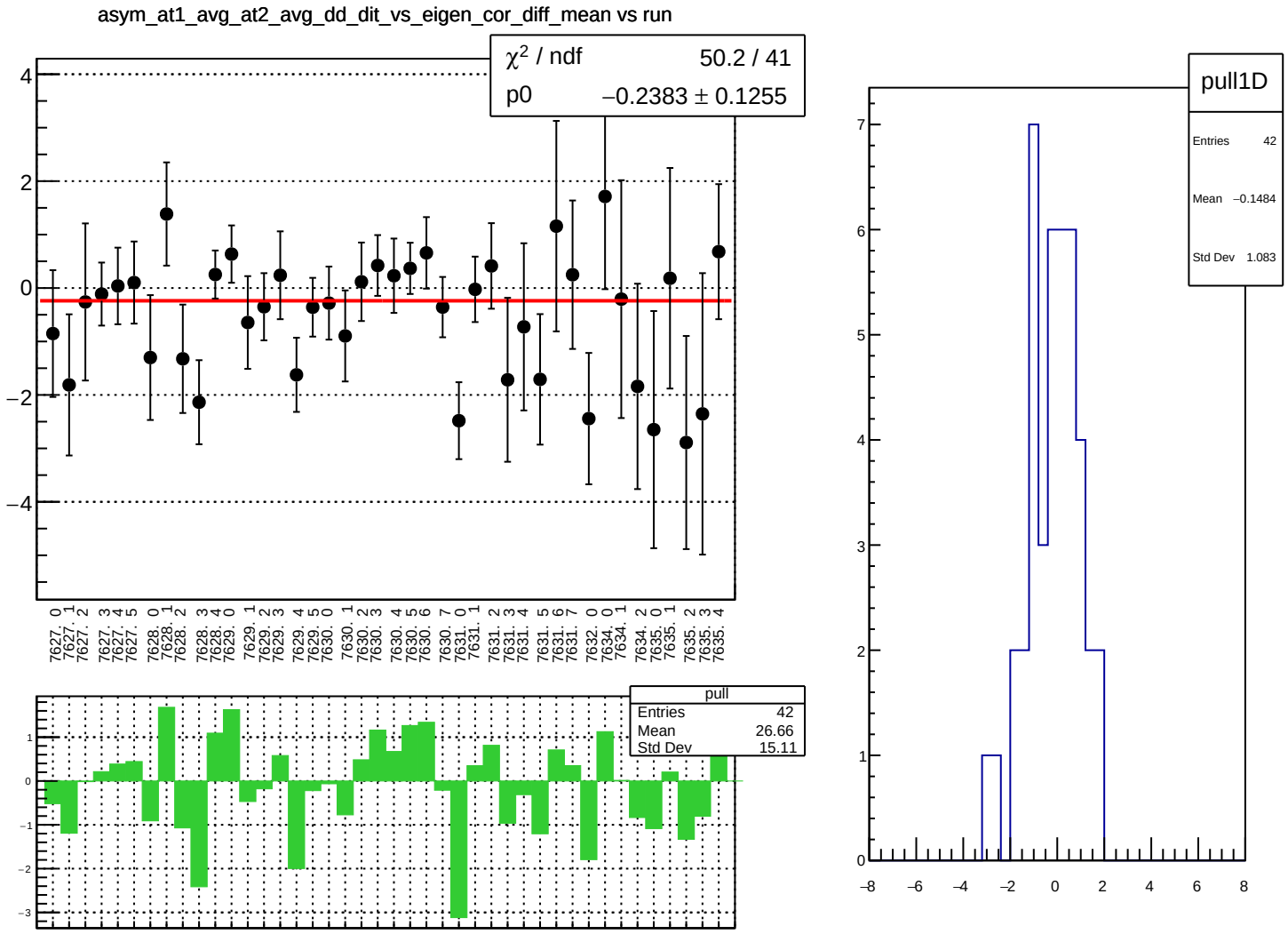

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.08 / 41
p0 8.944e−13 ± 2.978e−12
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.293
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.09655
Std Dev 1.131
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

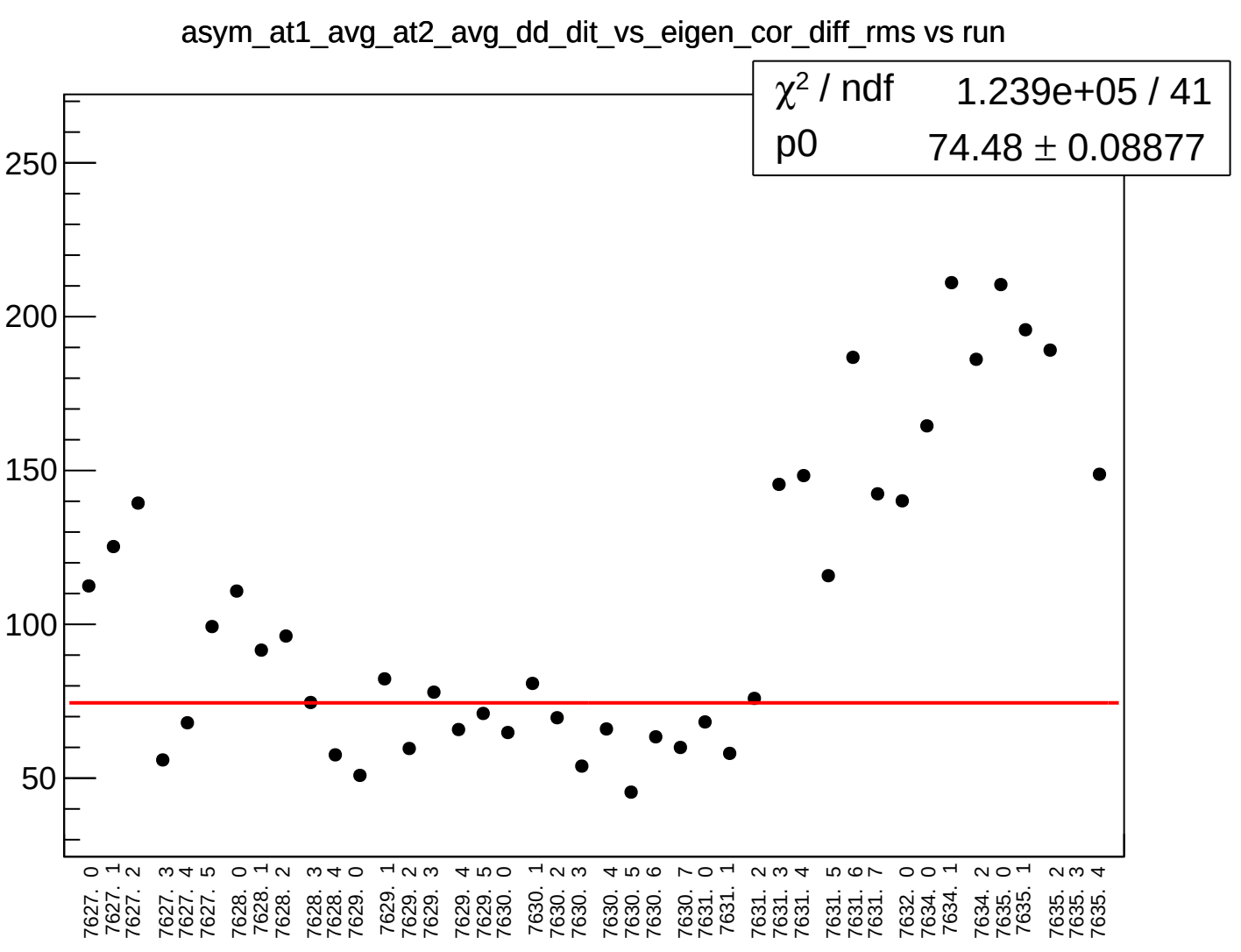

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.767e+05 / 41
p0 1.414e−09 ± 2.106e−12
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

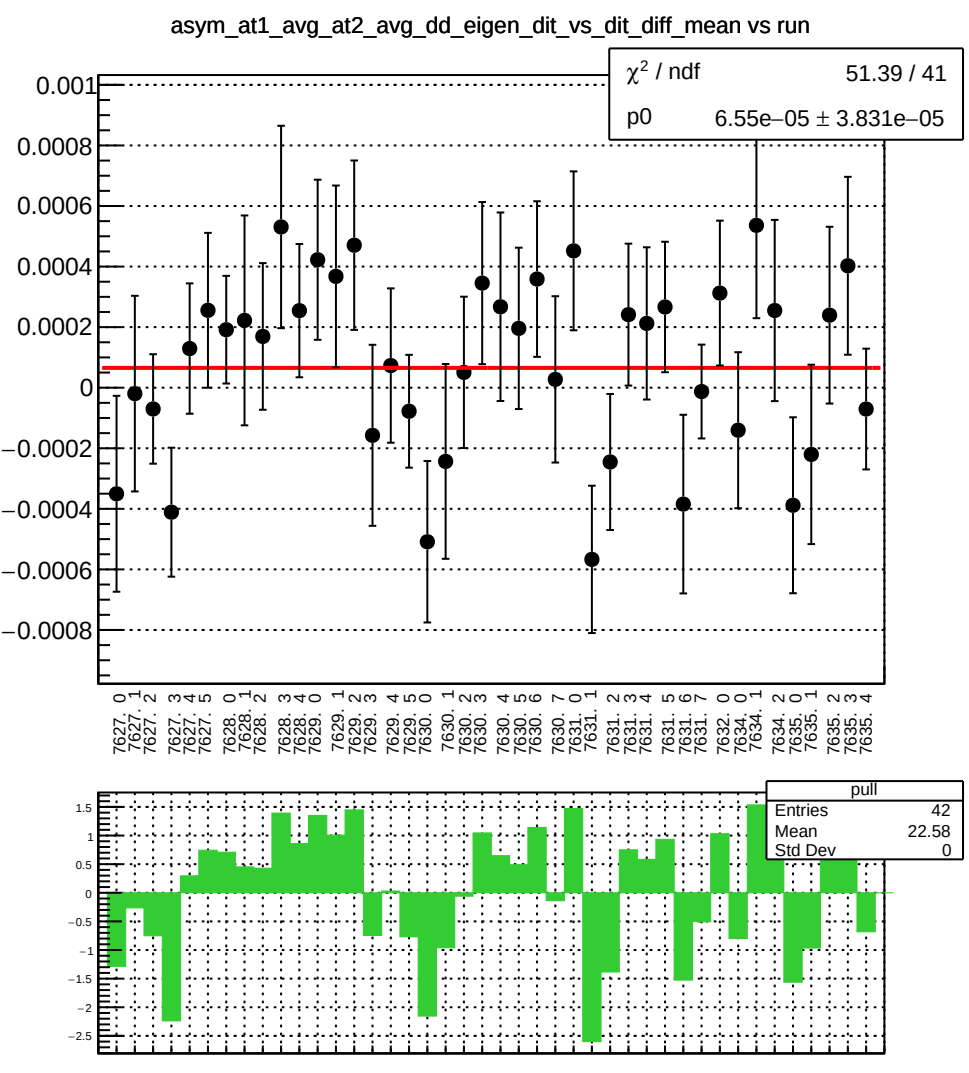

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.2 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11

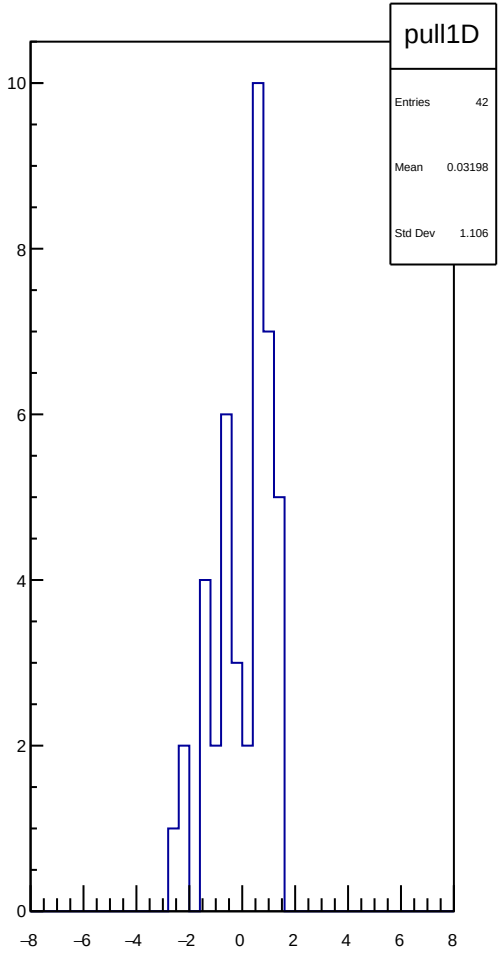

pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

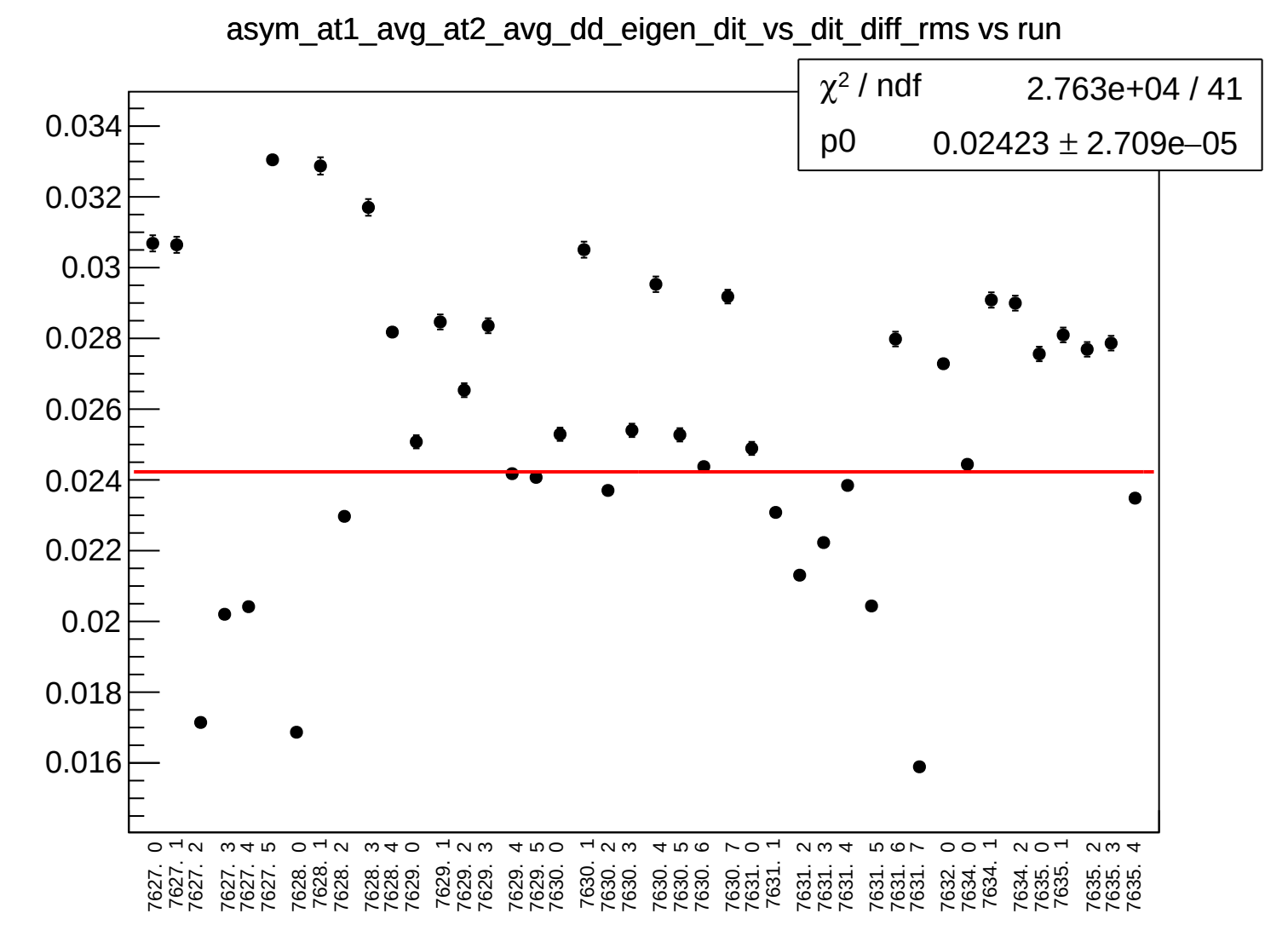

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

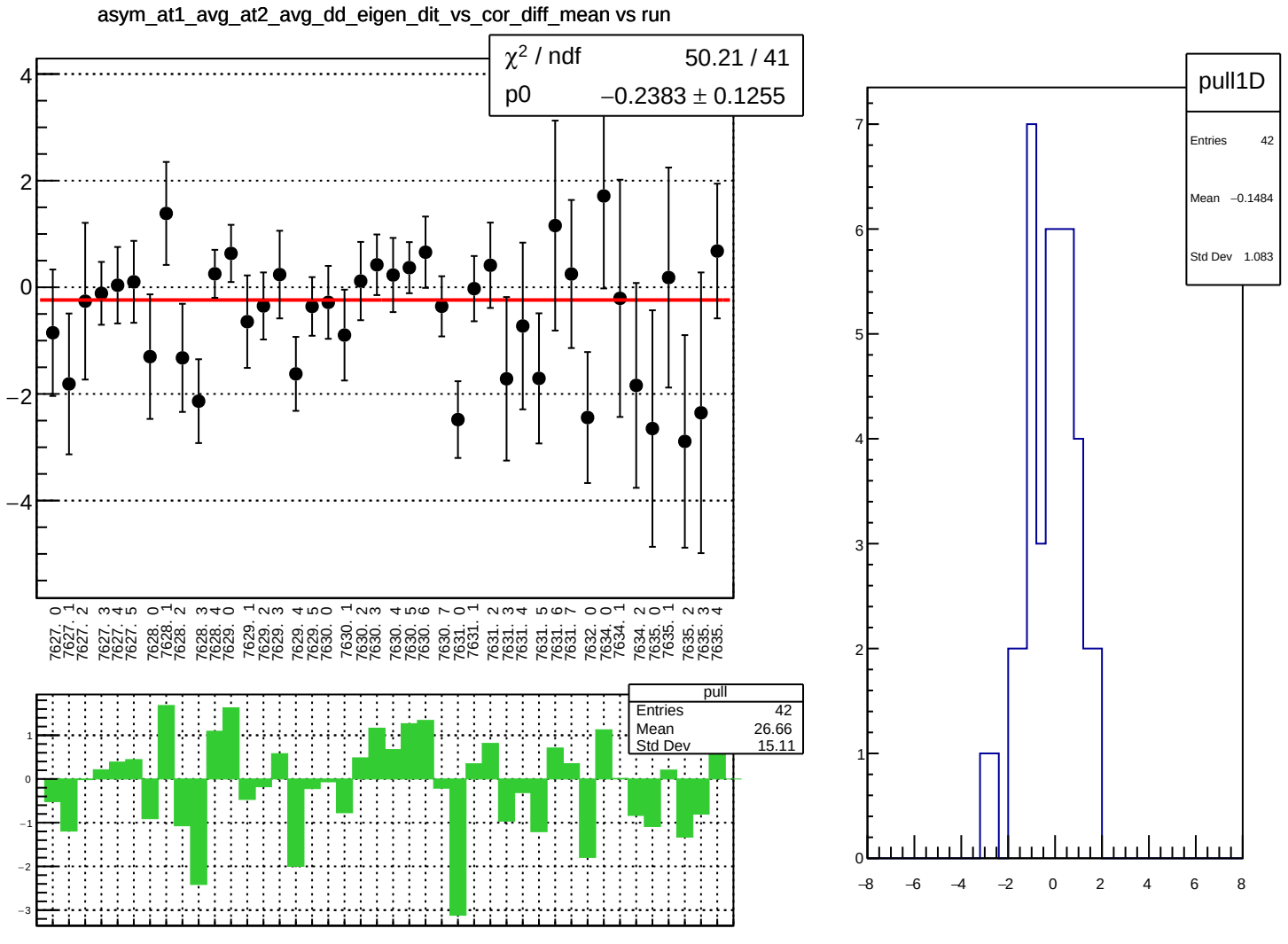

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.2 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11
pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

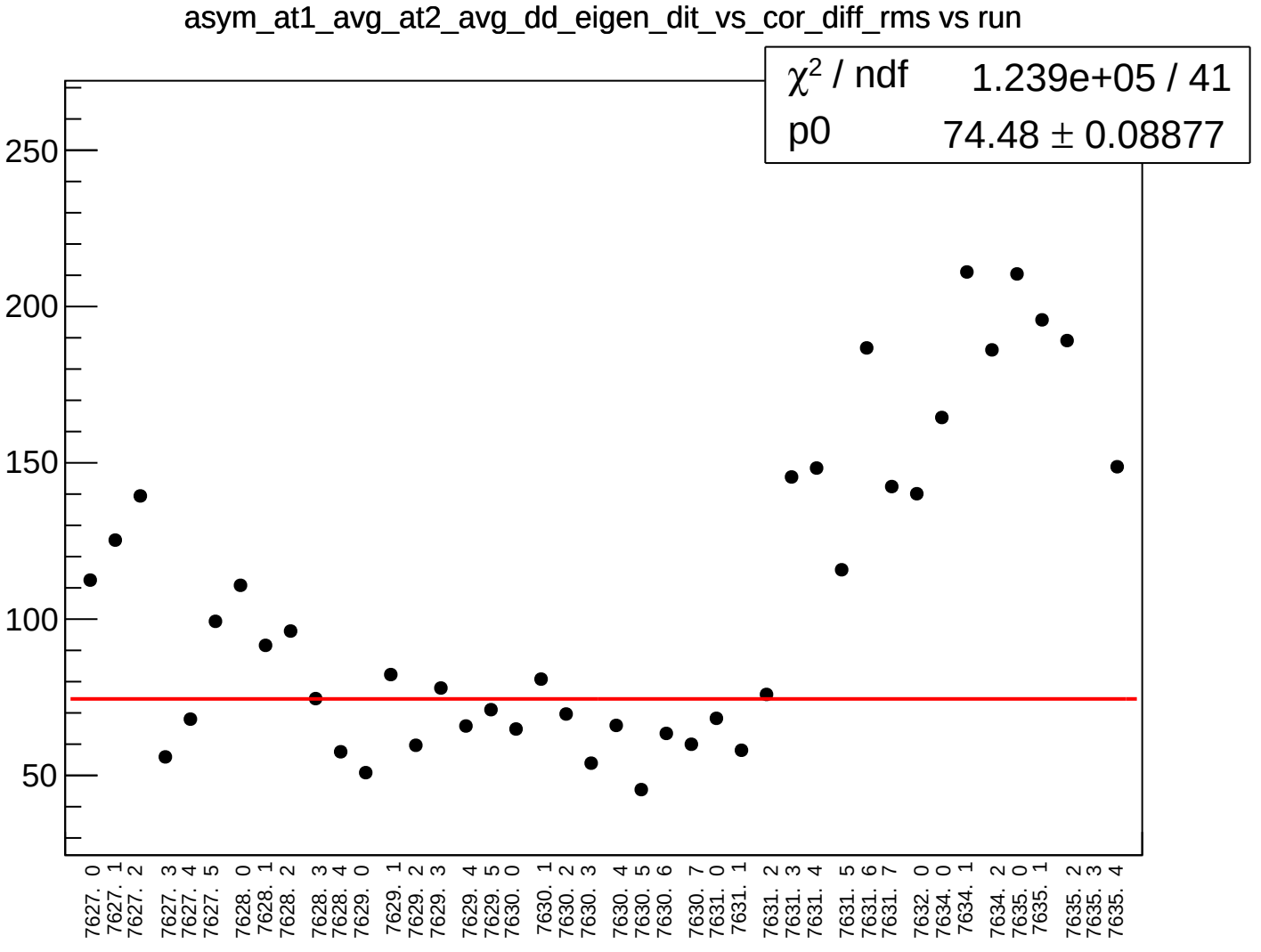

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

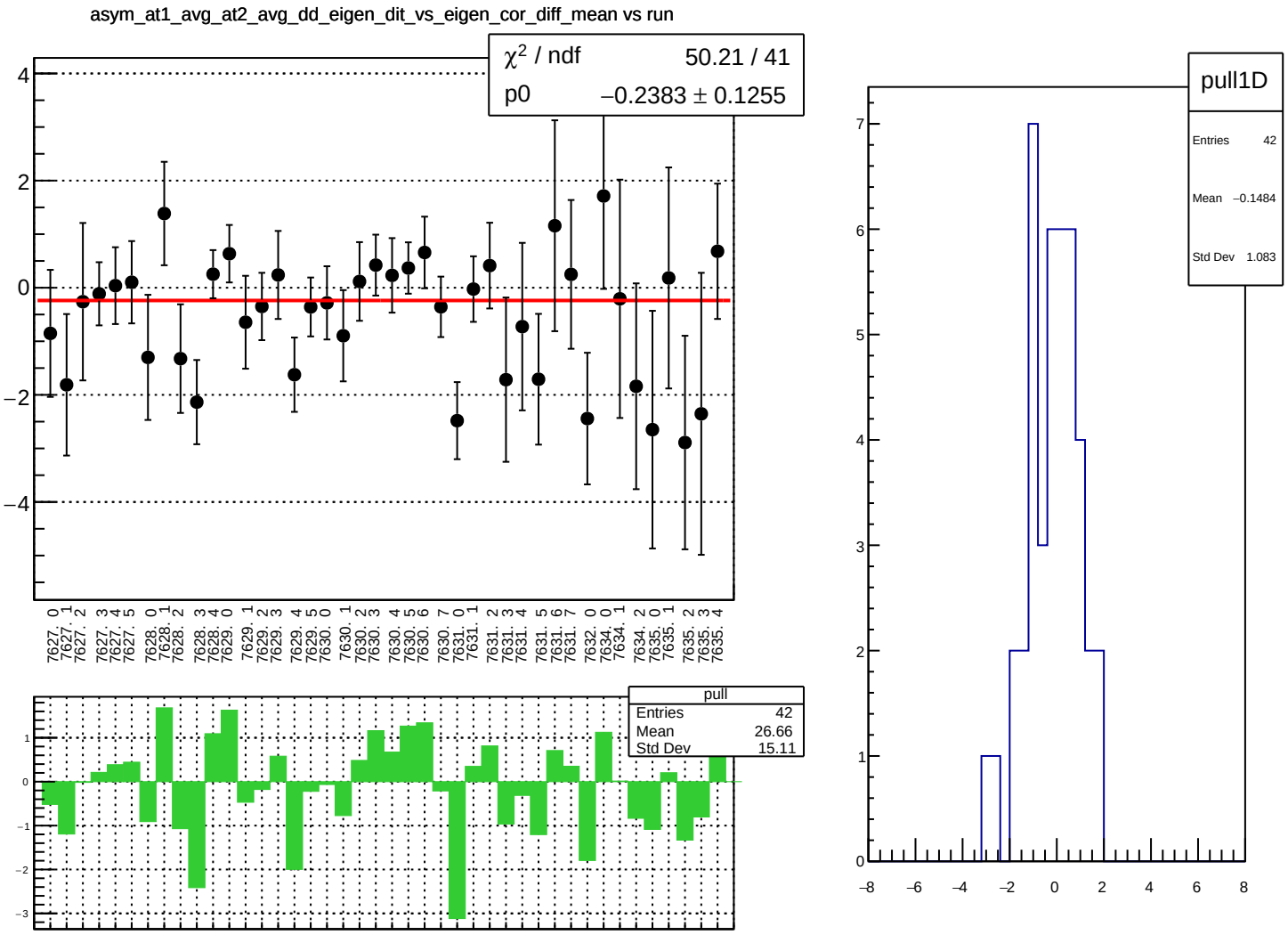

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 51.39 / 41
p0 6.55e−05 ± 3.831e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.58
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

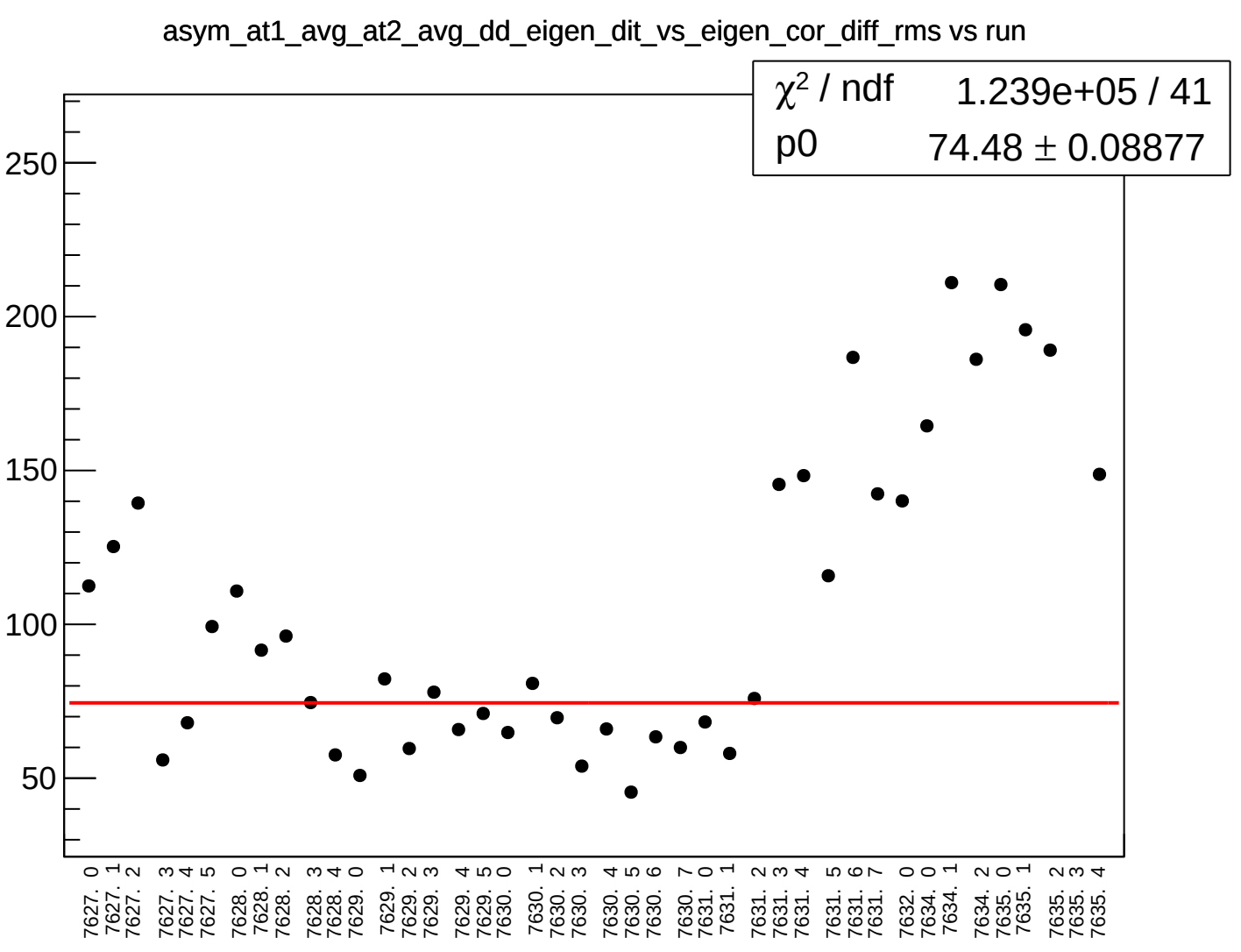

pull1D
Entries 42
Mean 0.03198
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

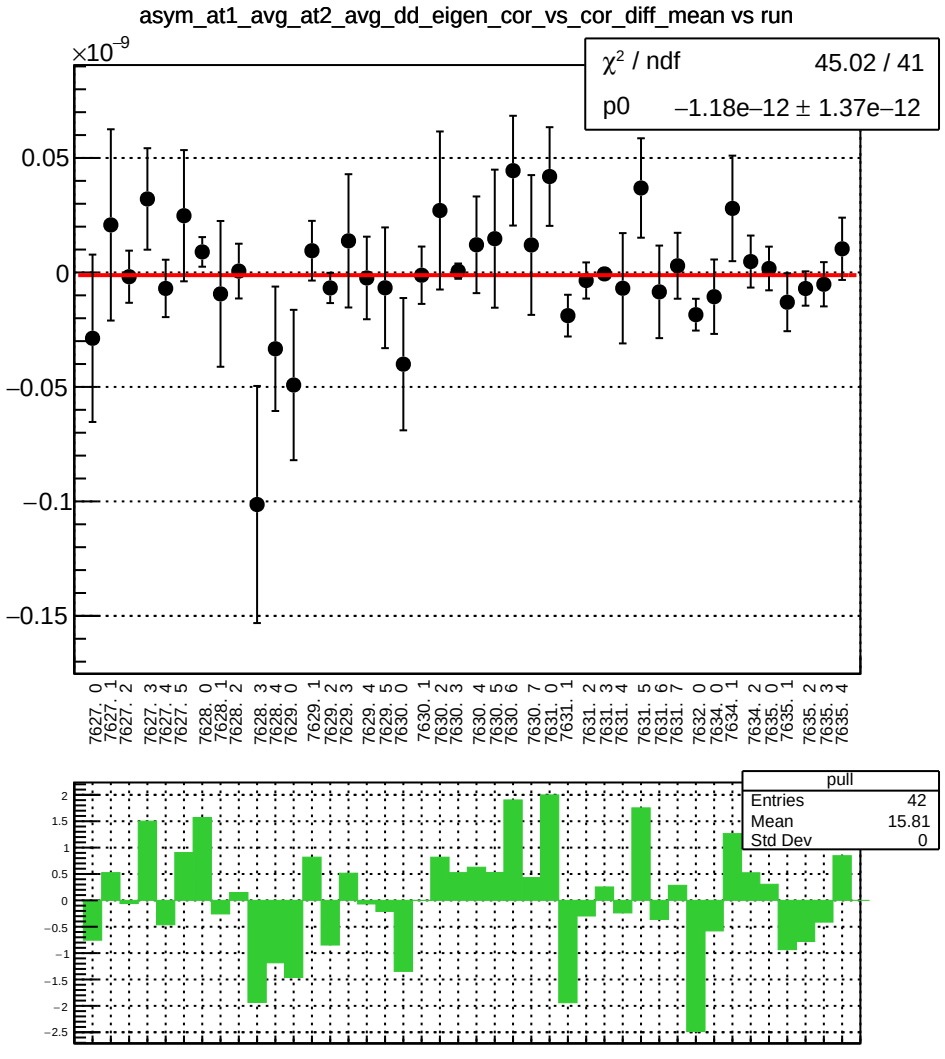

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.763e+04 / 41
p0 0.02423 ± 2.709e–05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

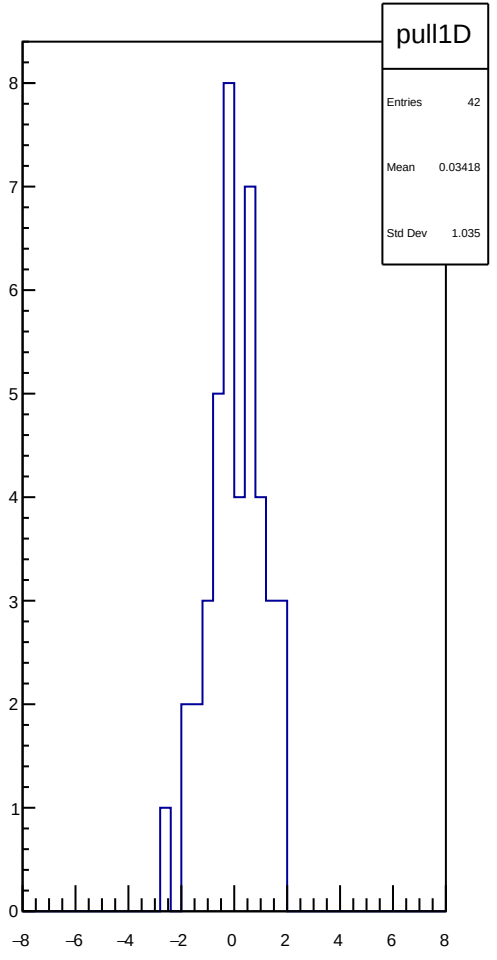

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.21 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11
pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

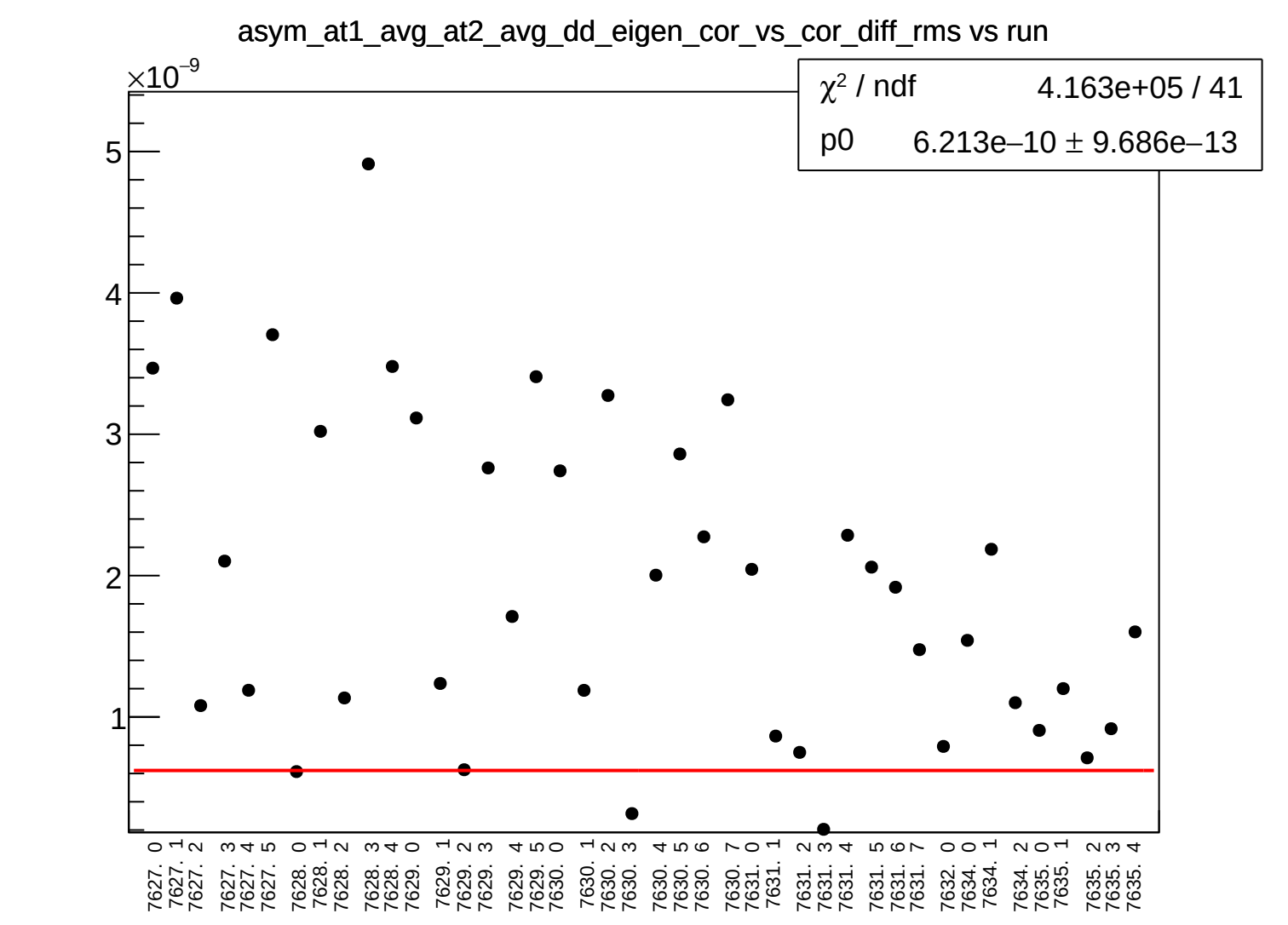

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

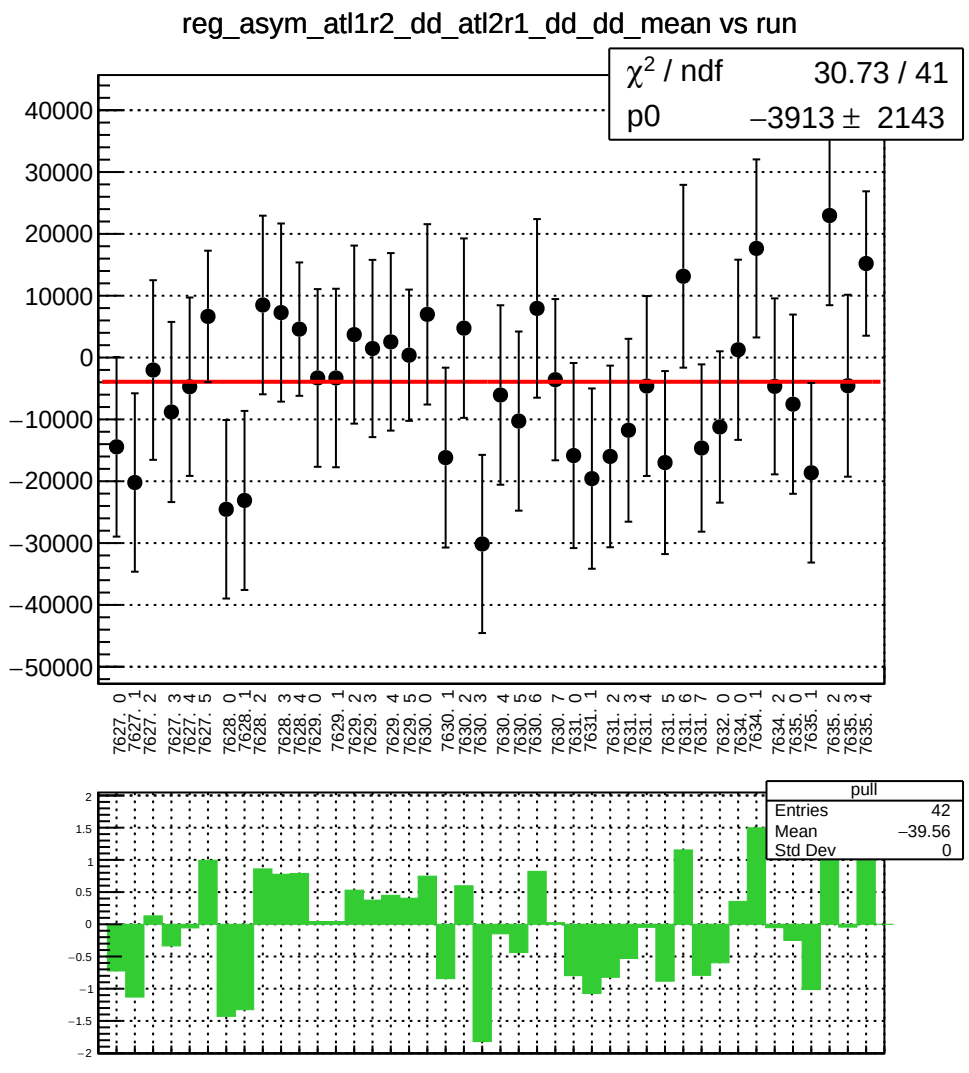

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.21 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11
pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

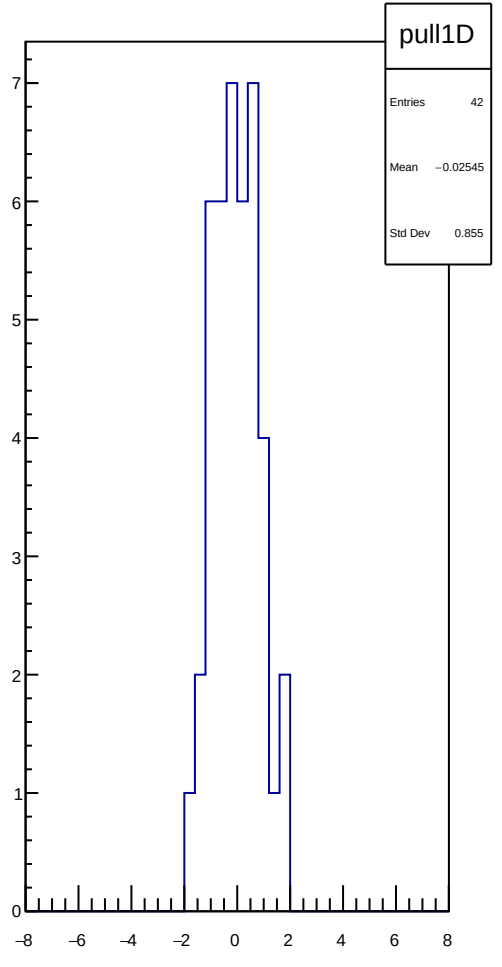

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

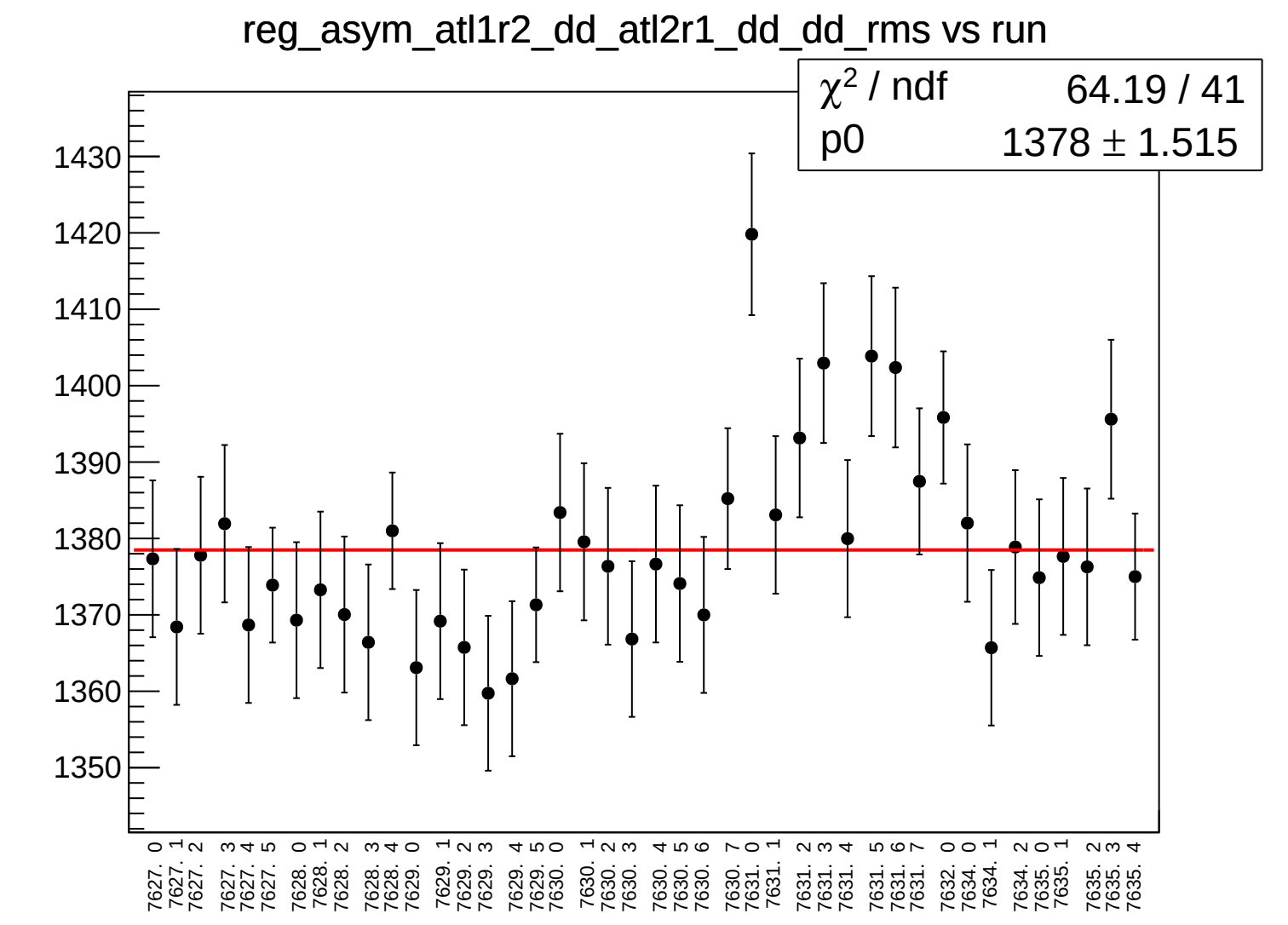

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 45.02 / 41
p0 −1.18e−12 ± 1.37e−12
0.05
0
−0.05
−0.1
−0.15
pull
Entries 42
Mean 15.81
Std Dev 0

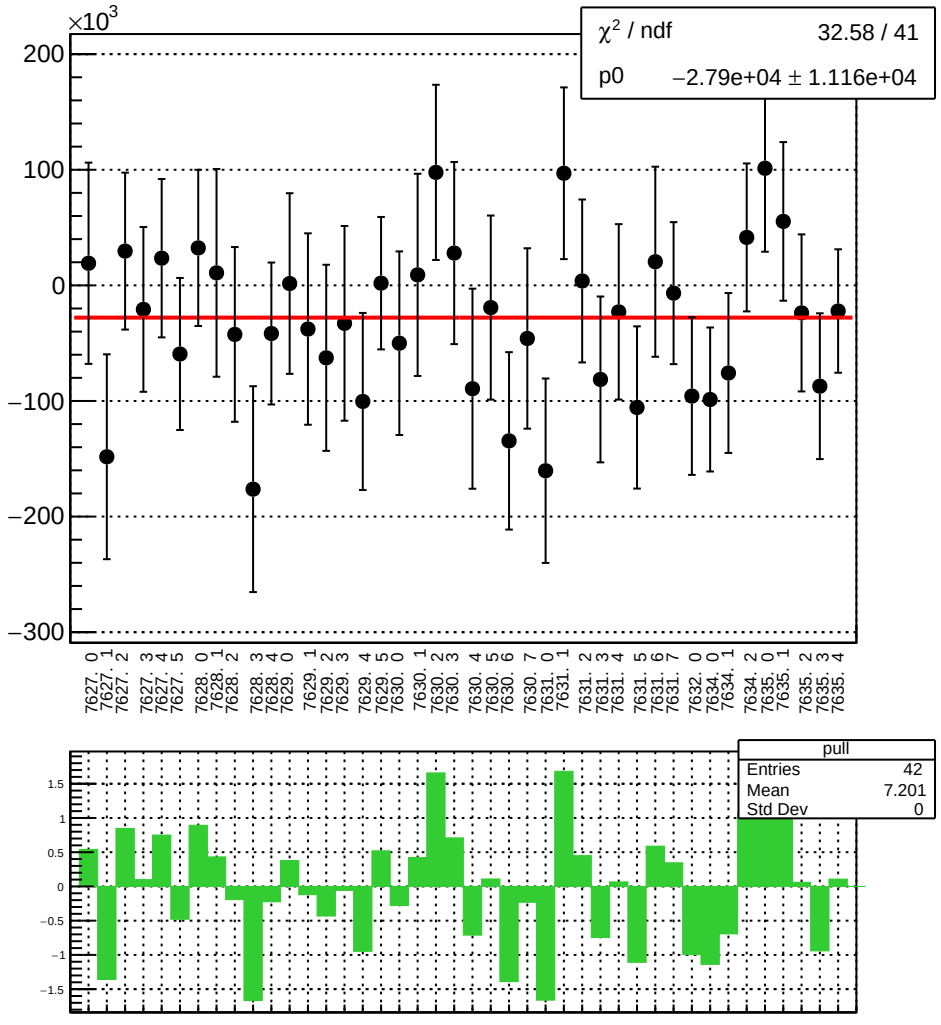

pull1D
Entries 42
Mean 0.03418
Std Dev 1.035

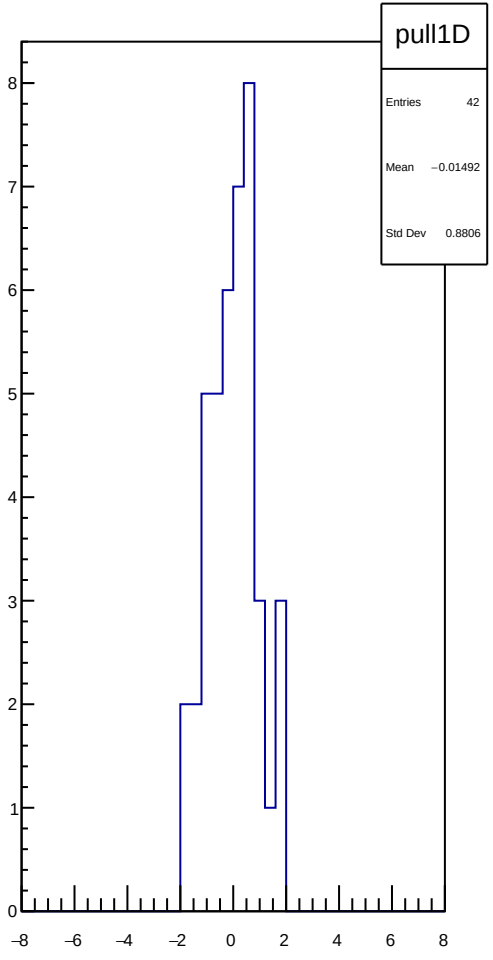

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.163e+05 / 41
p0 6.213e−10 ± 9.686e−13
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

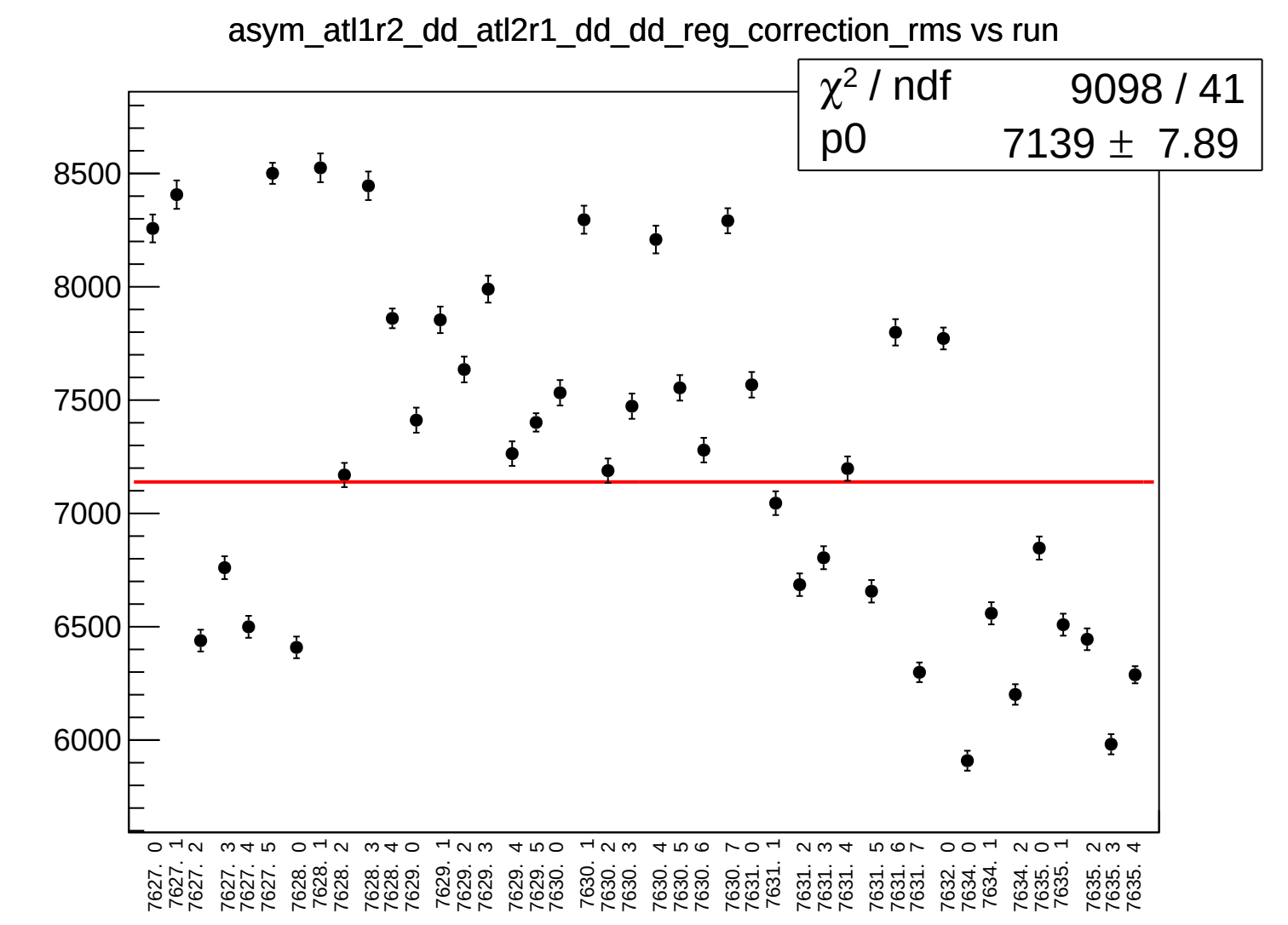

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
pull
Entries 42
Mean −39.56
Std Dev 0

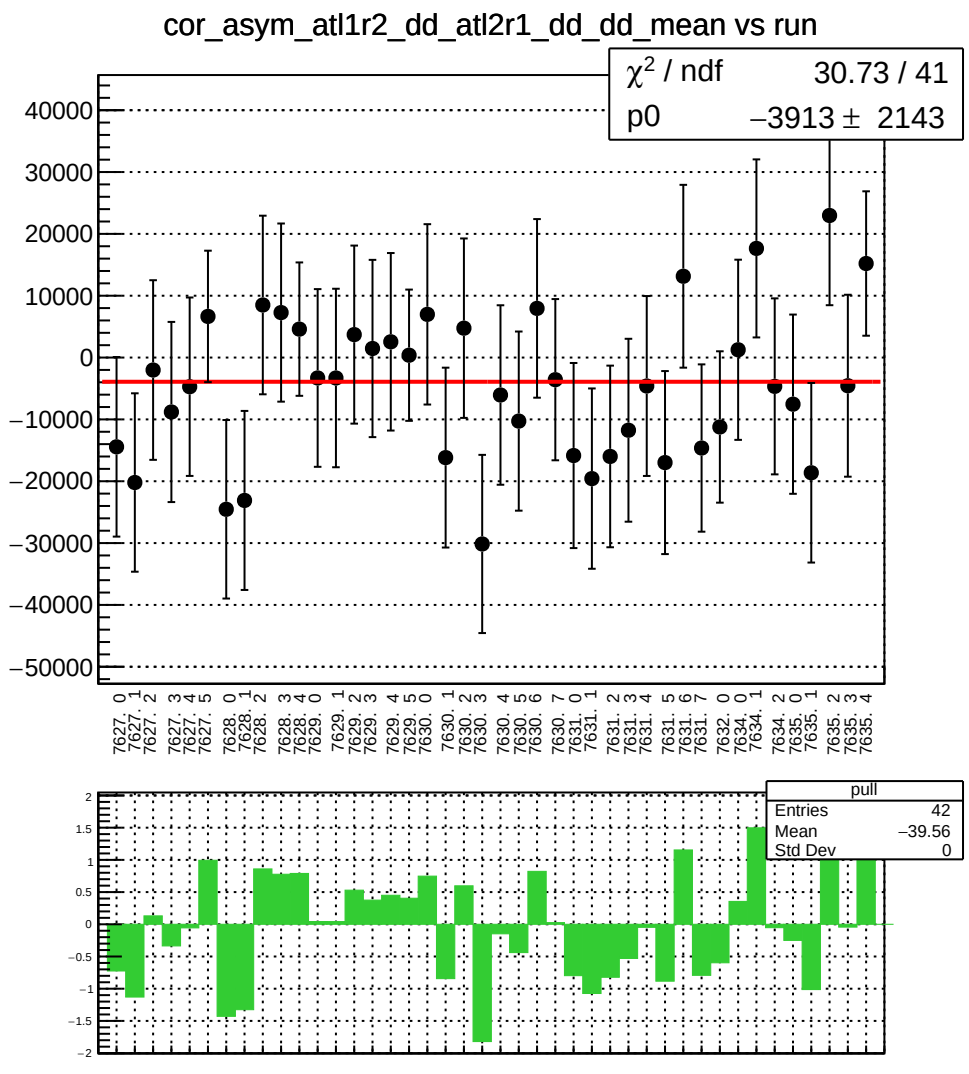

pull1D
Entries 42
Mean −0.02545
Std Dev 0.855

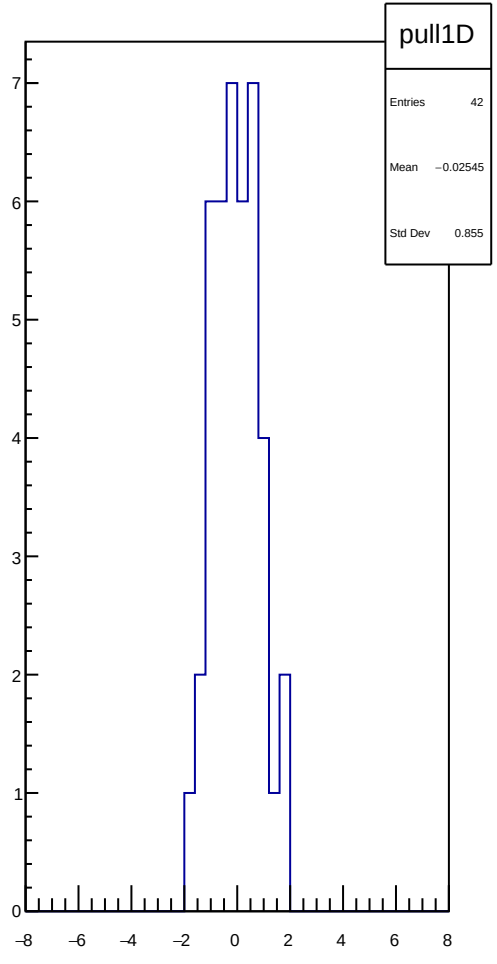

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

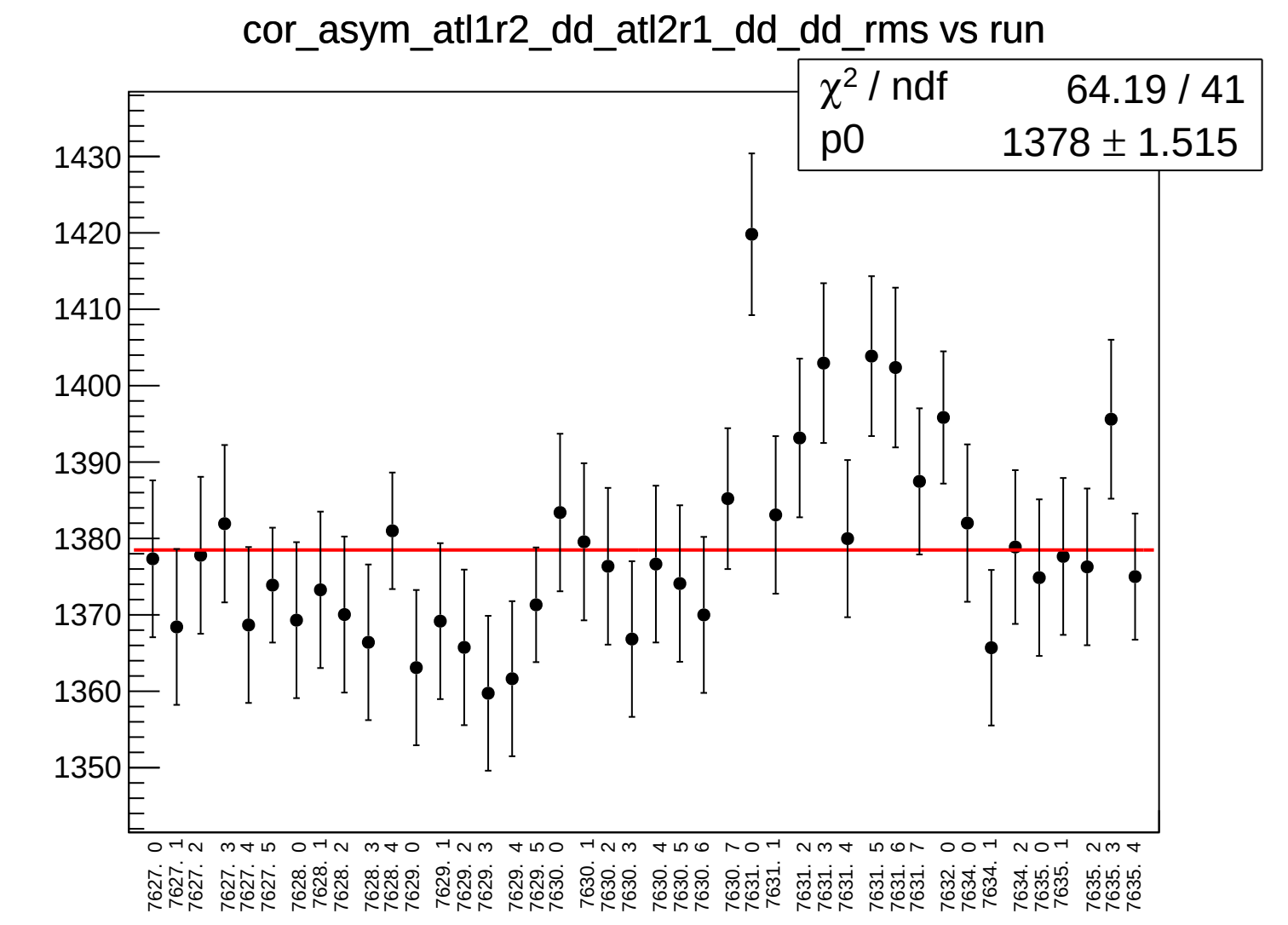

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −2.79e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.201
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

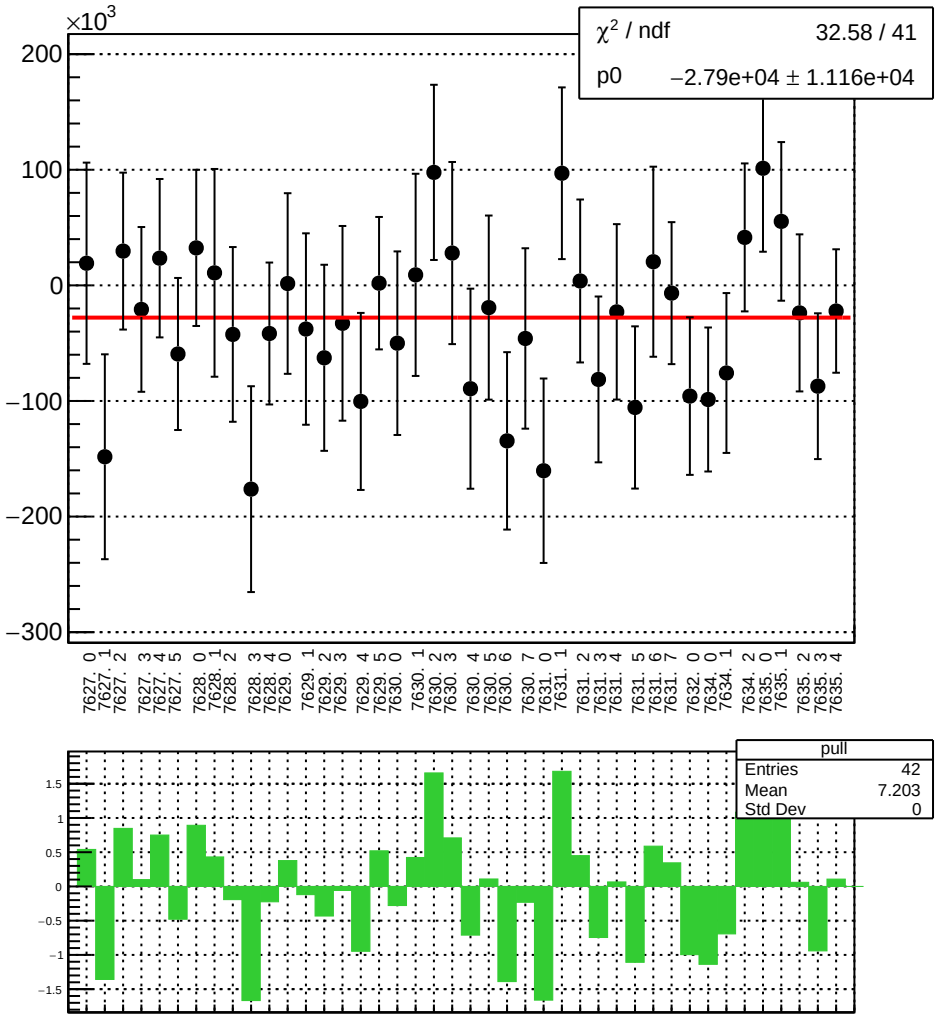

pull1D
Entries 42
Mean −0.01492
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

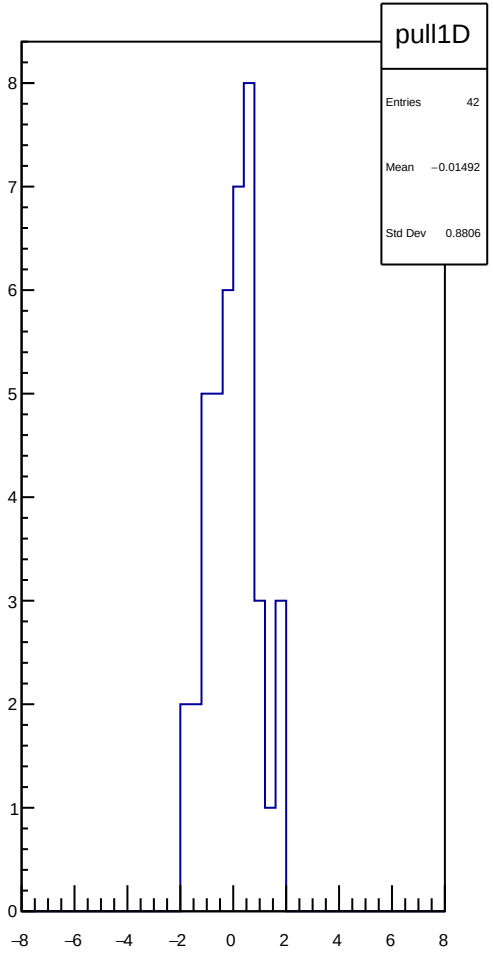

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

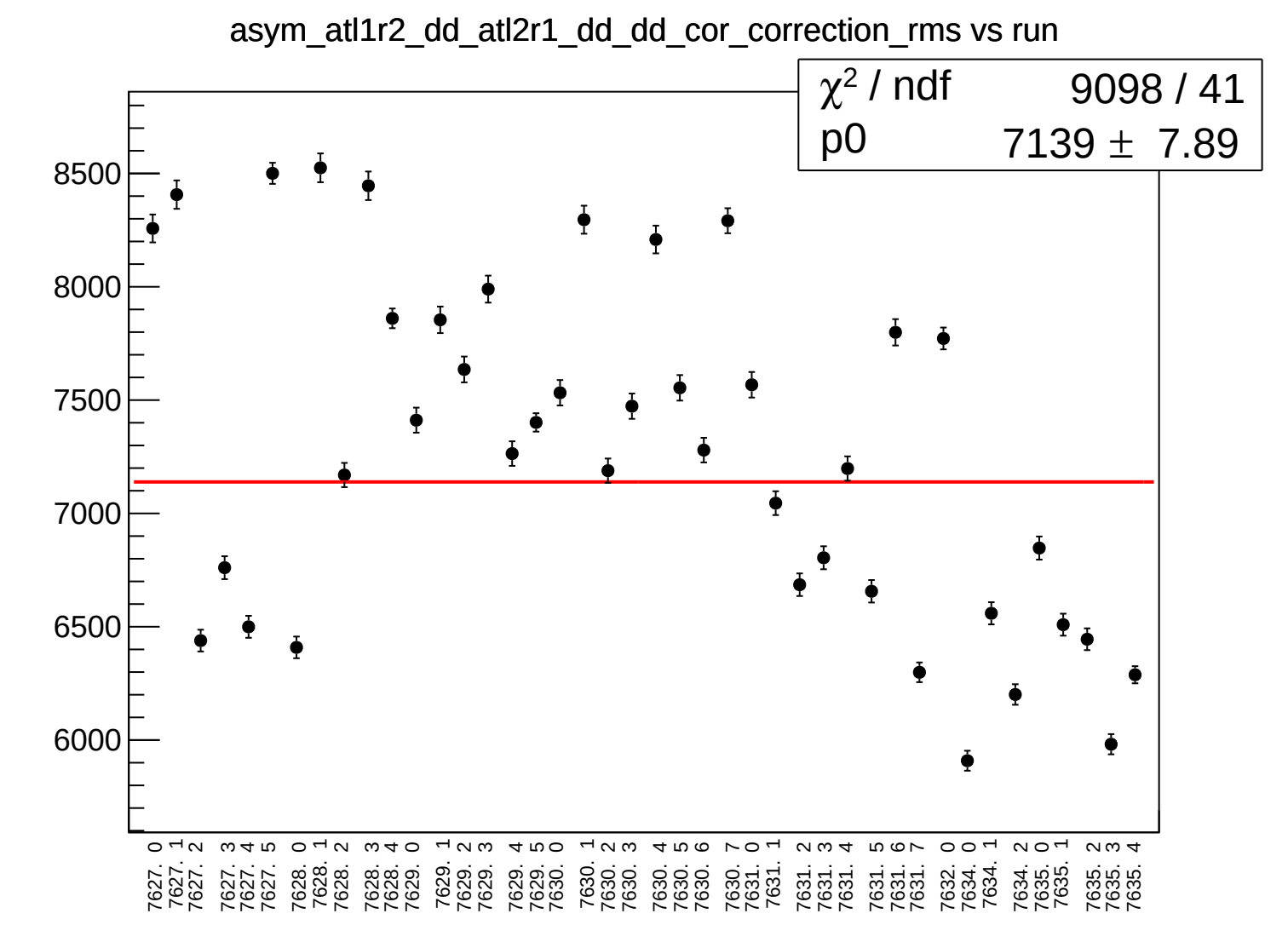

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
pull
Entries 42
Mean −39.56
Std Dev 0

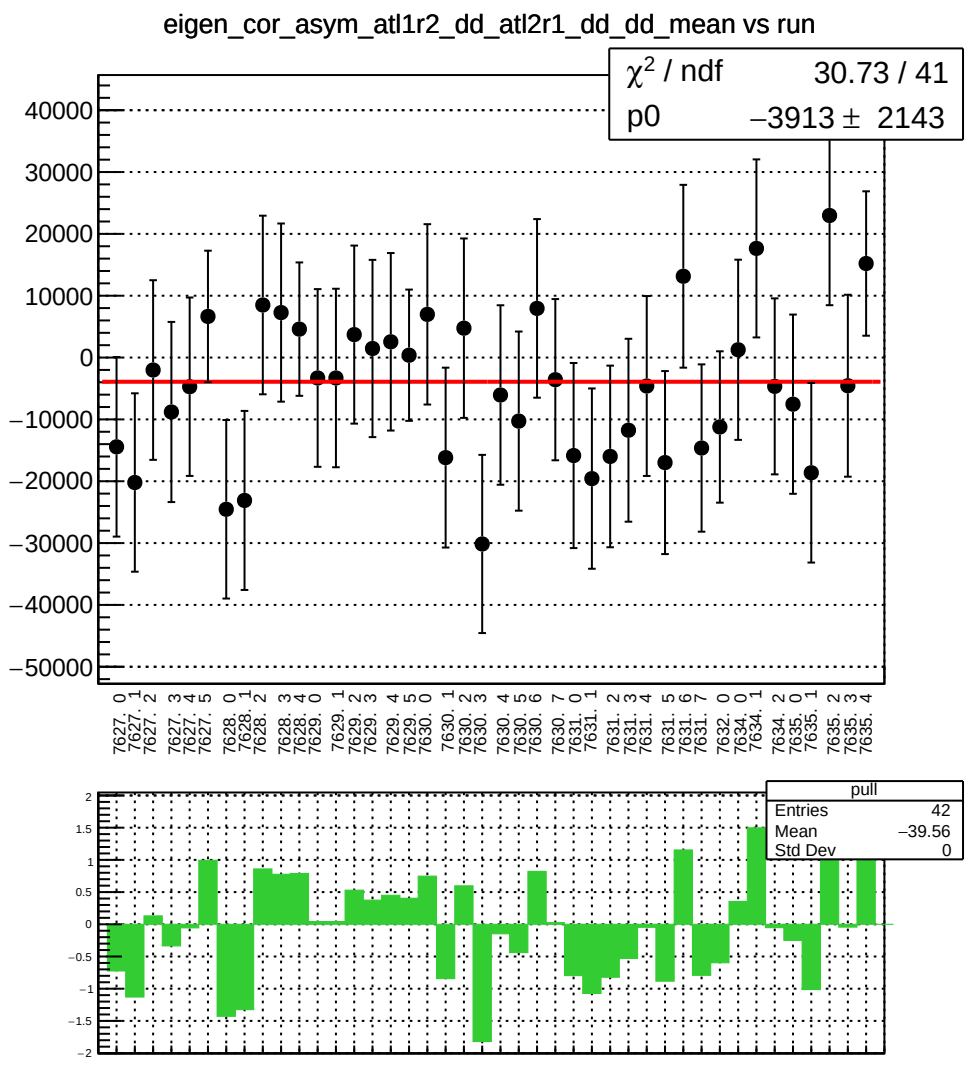

pull1D
Entries 42
Mean −0.02545
Std Dev 0.855

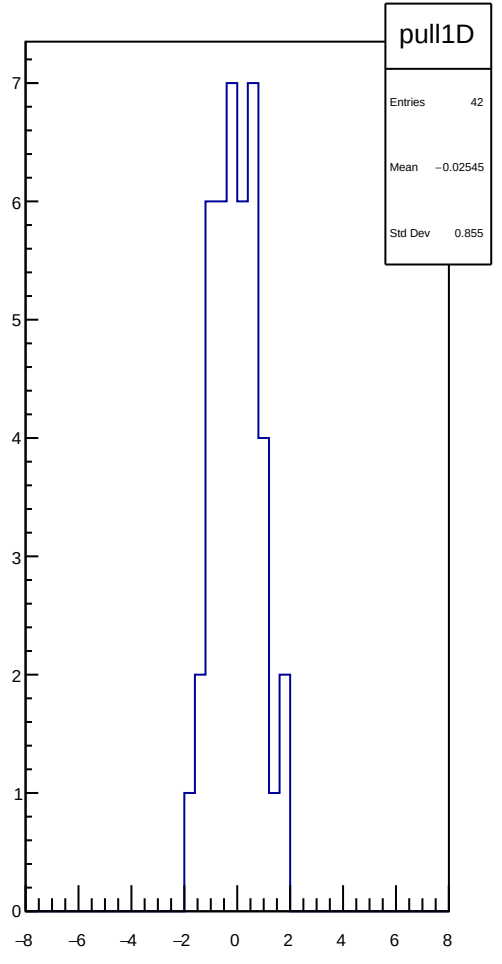

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

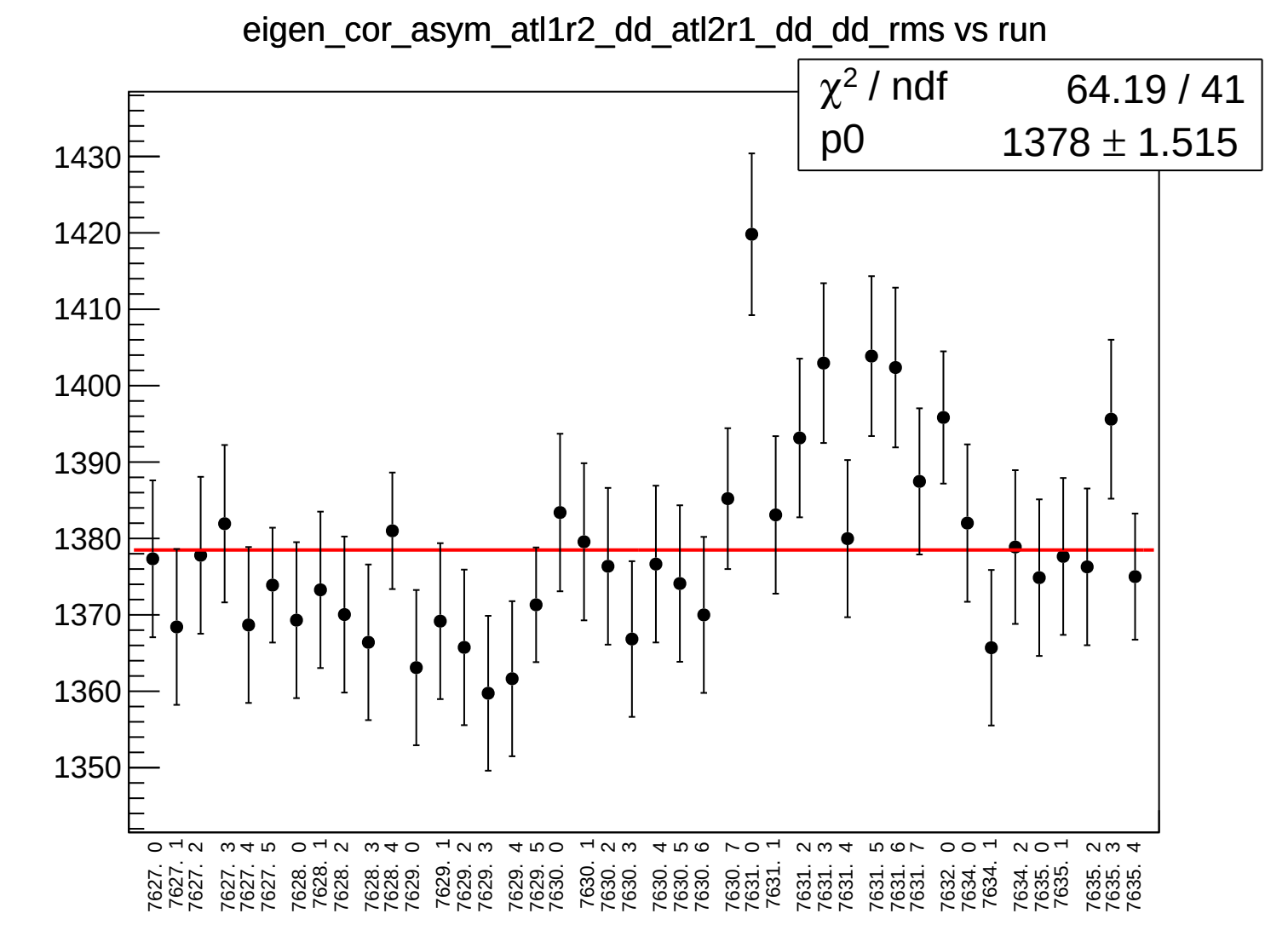

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −2.79e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

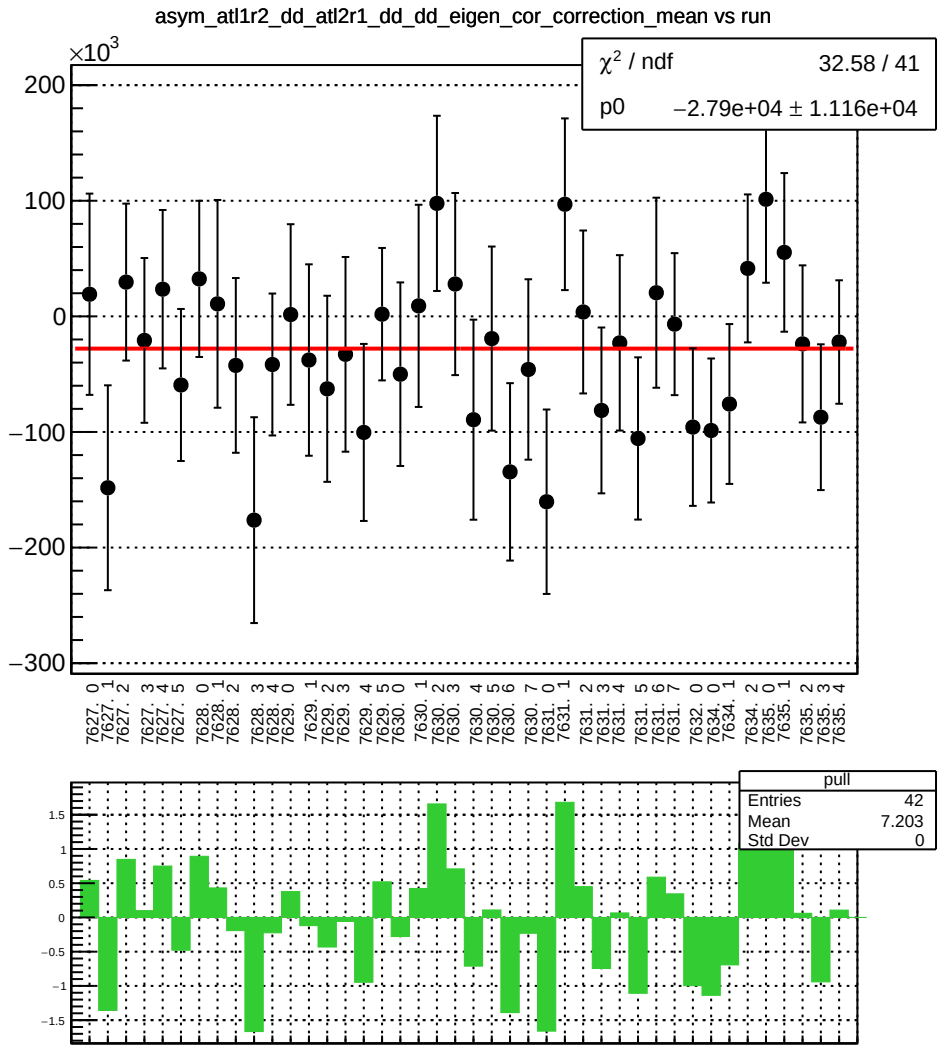

pull1D
Entries 42
Mean −0.01492
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

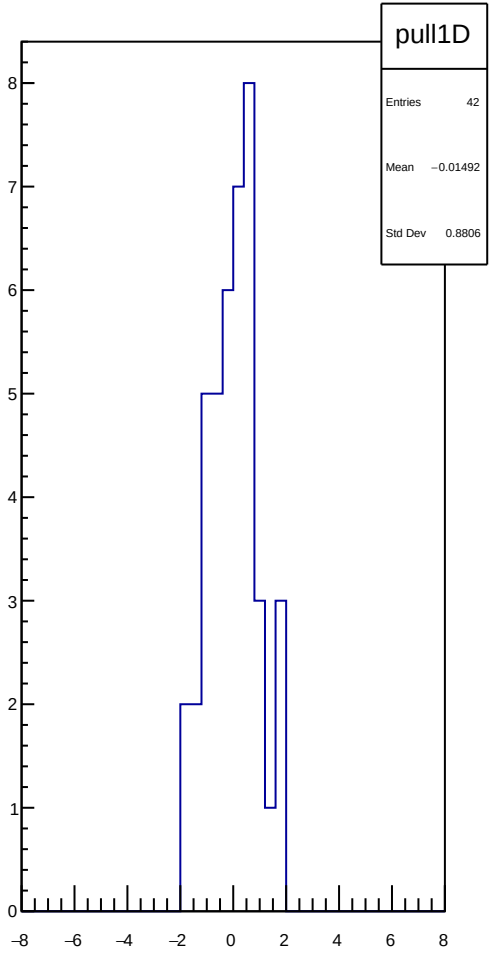

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

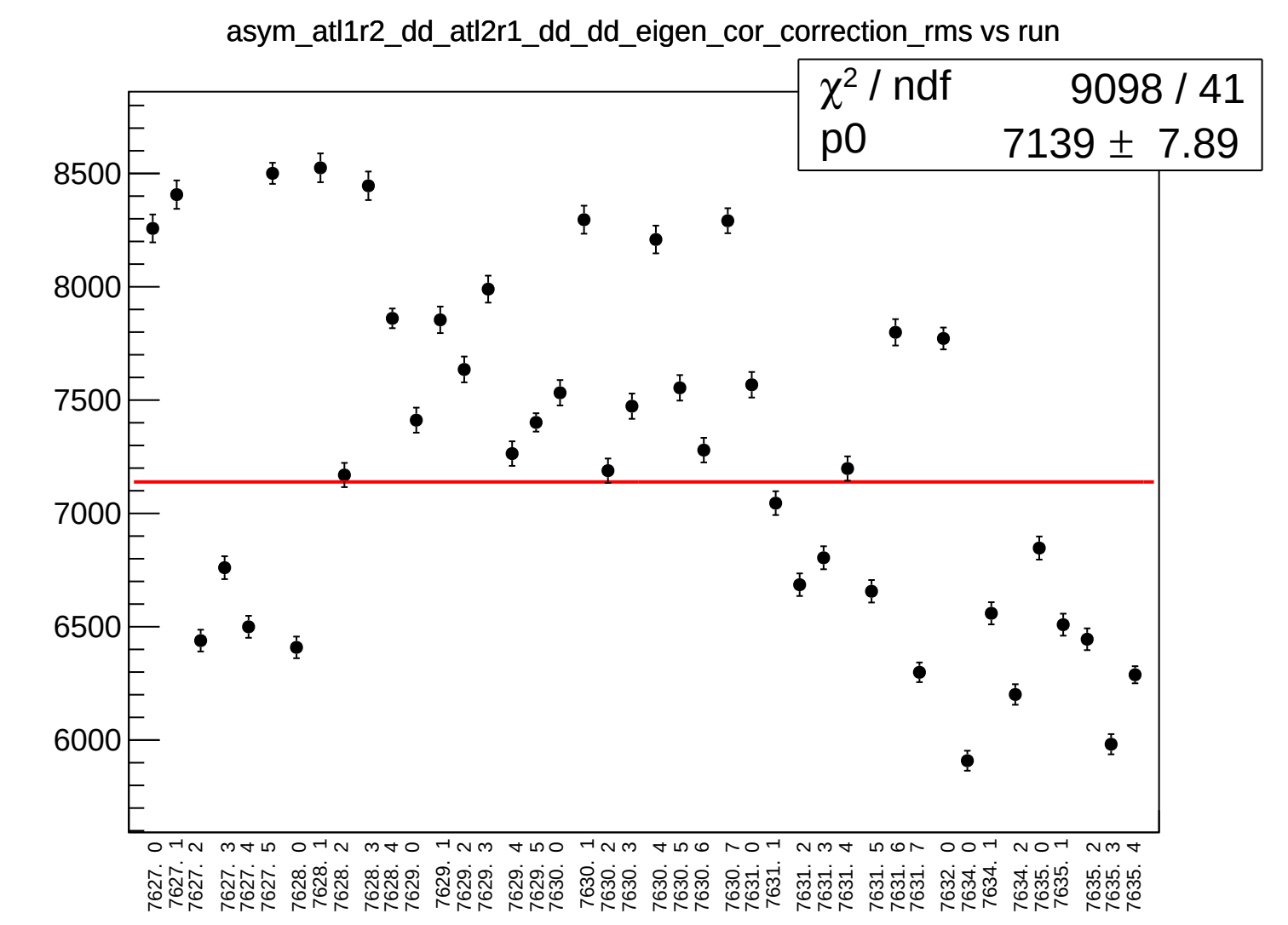

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 30.73 / 41
p0 −3913 ± 2143
pull
Entries 42
Mean −39.56
Std Dev 0

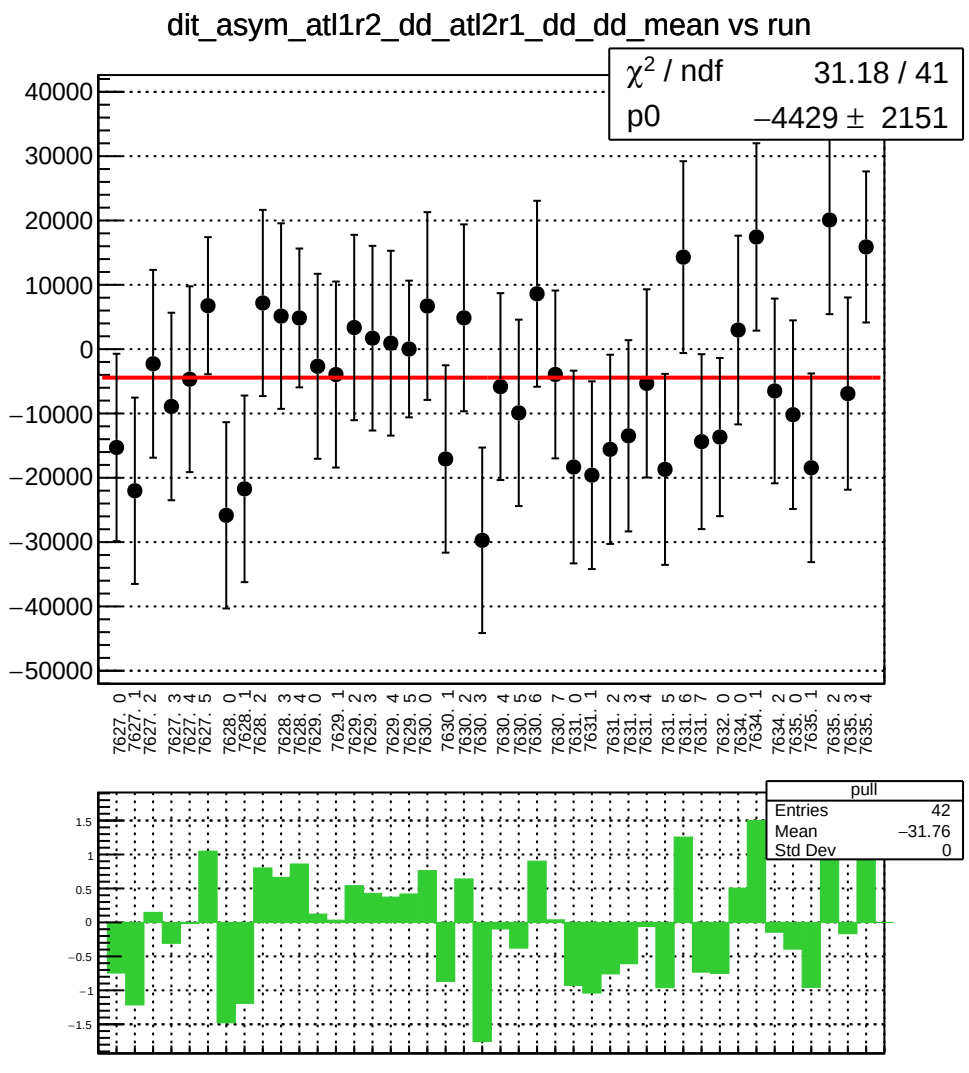

pull1D
Entries 42
Mean −0.02545
Std Dev 0.855

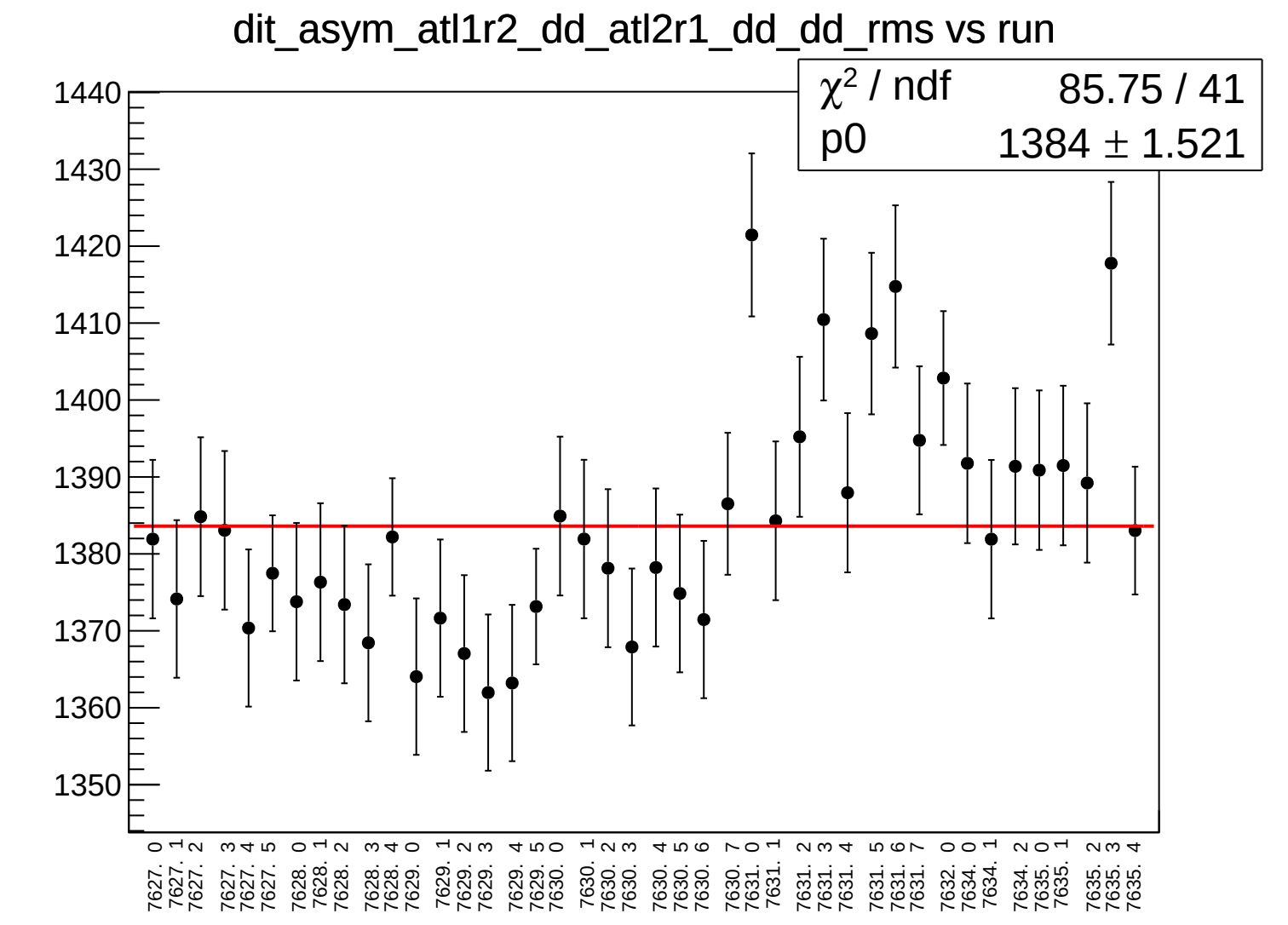

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 64.19 / 41
p0 1378 ± 1.515
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

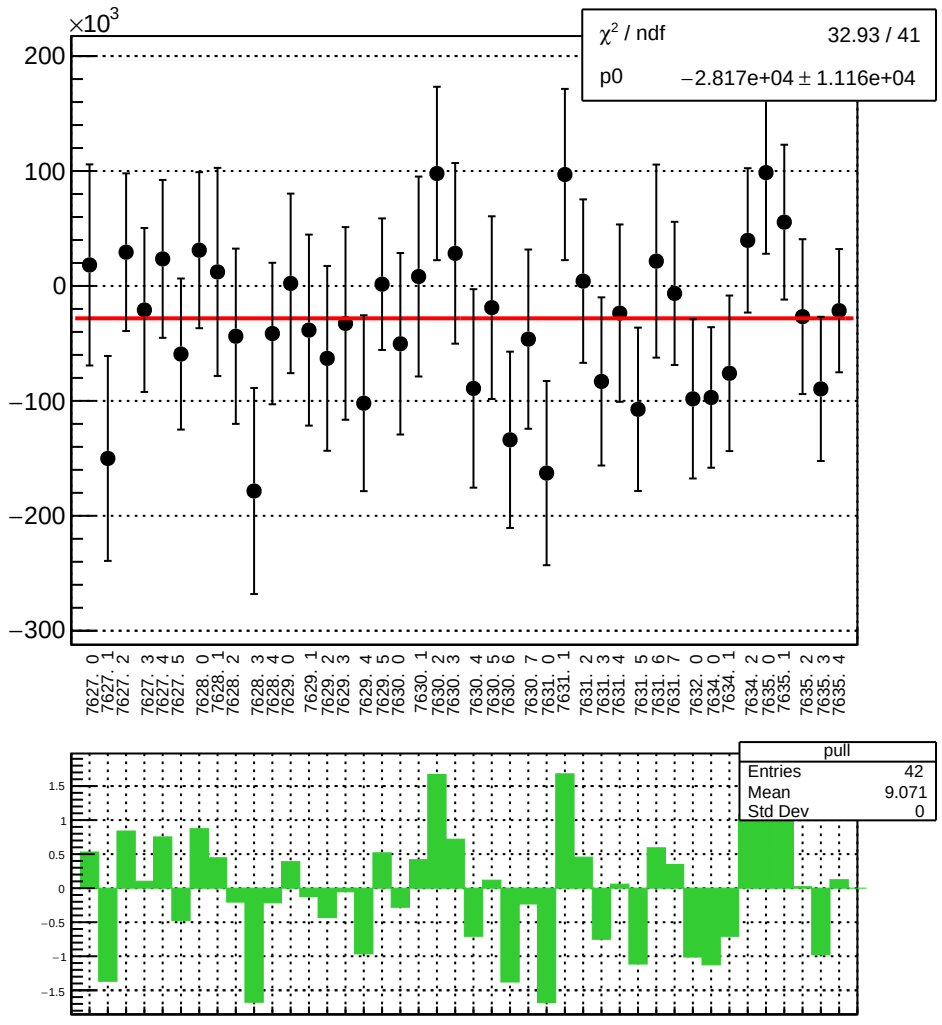

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −2.79e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

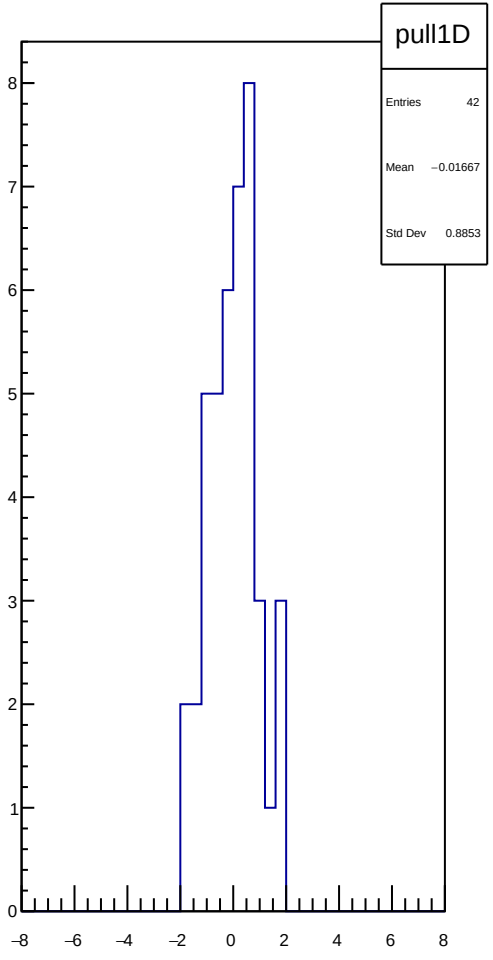

pull1D
Entries 42
Mean −0.01492
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

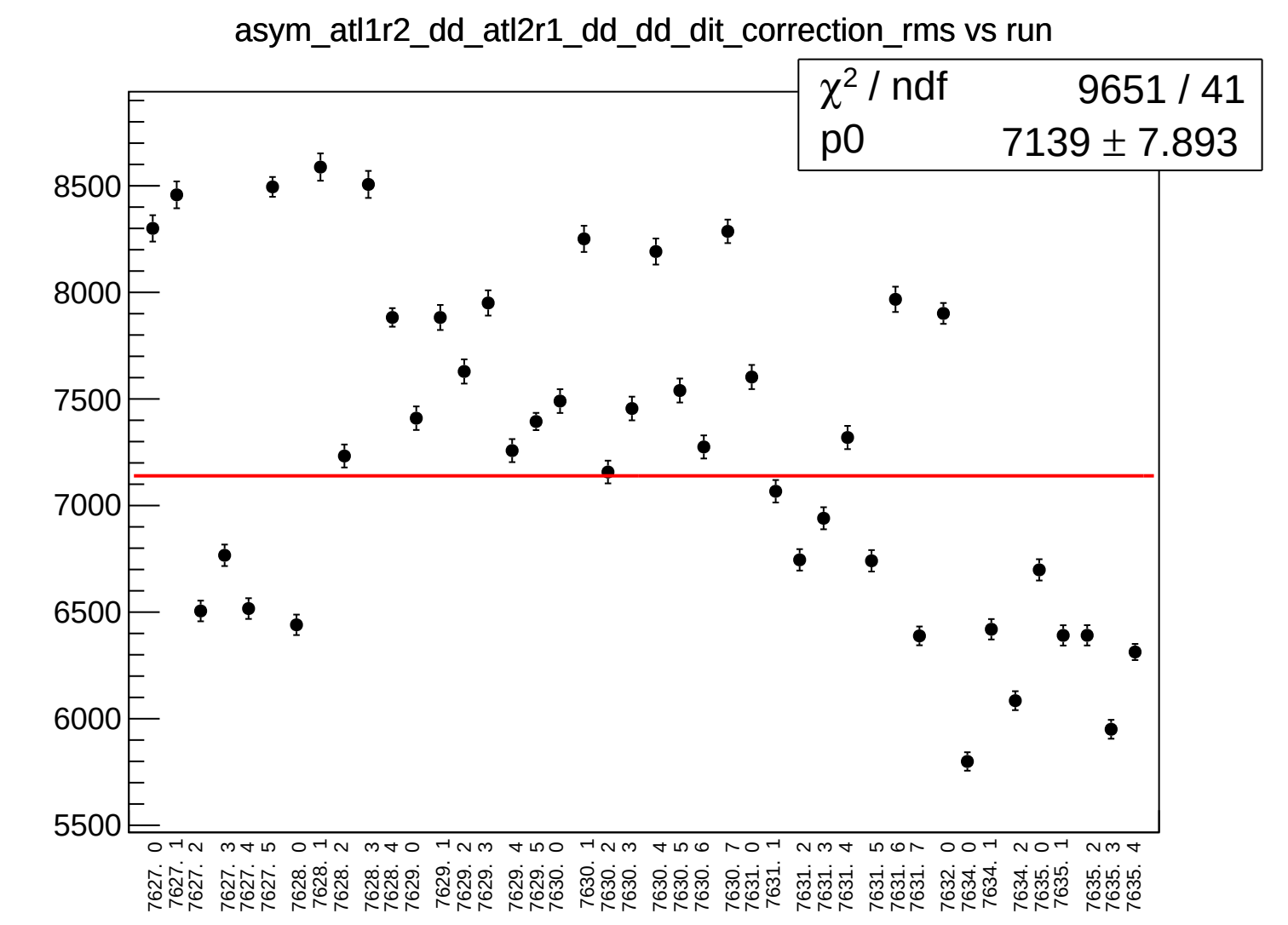

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 9098 / 41
p0 7139 ± 7.89
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

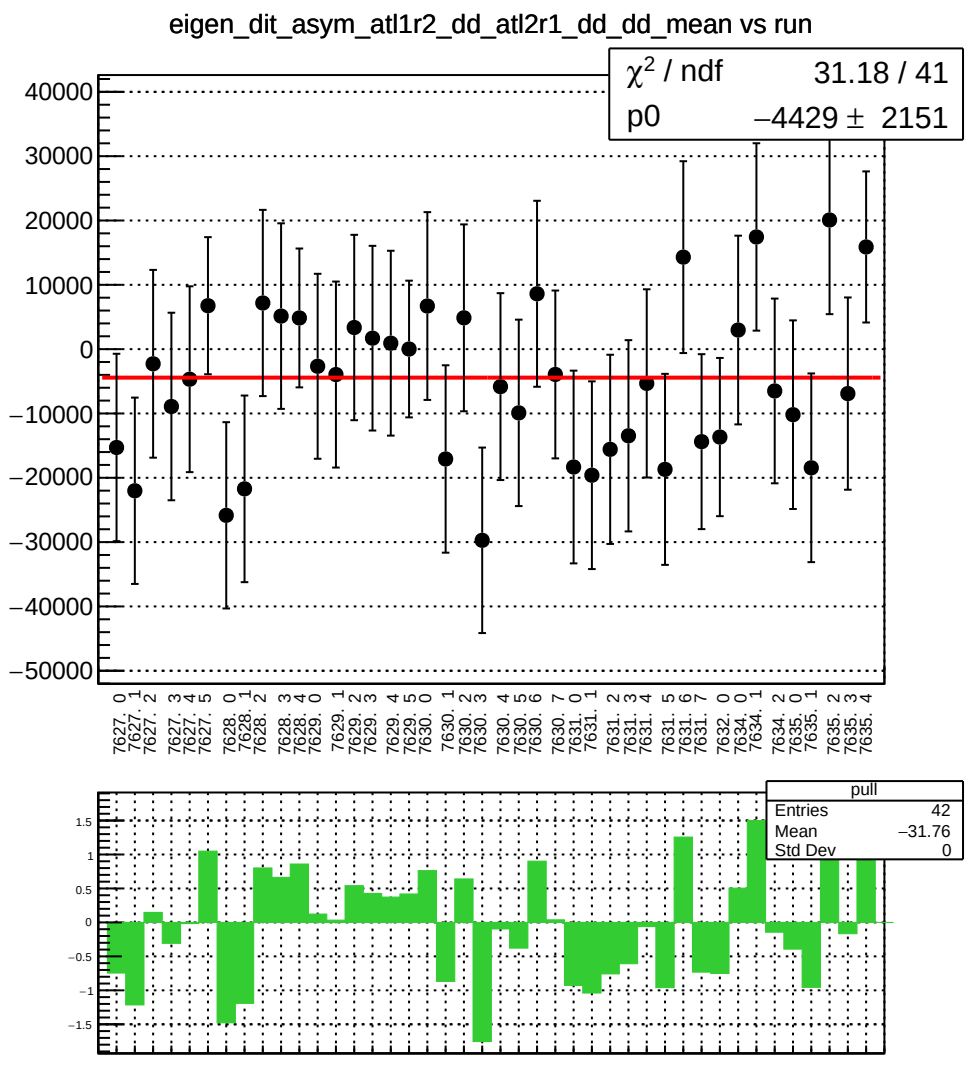

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 31.18 / 41
p0 −4429 ± 2151
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02625
Std Dev 0.8612
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

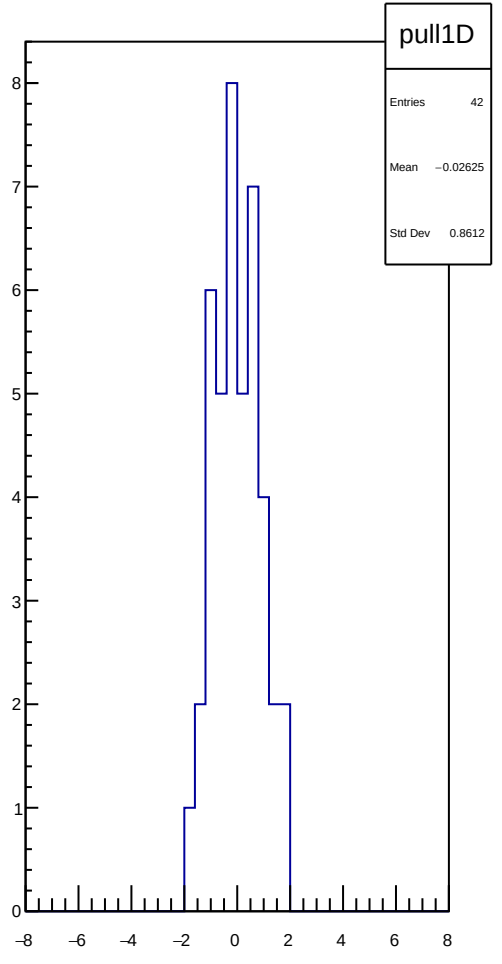

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 85.75 / 41
p0 1384 ± 1.521
1440
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

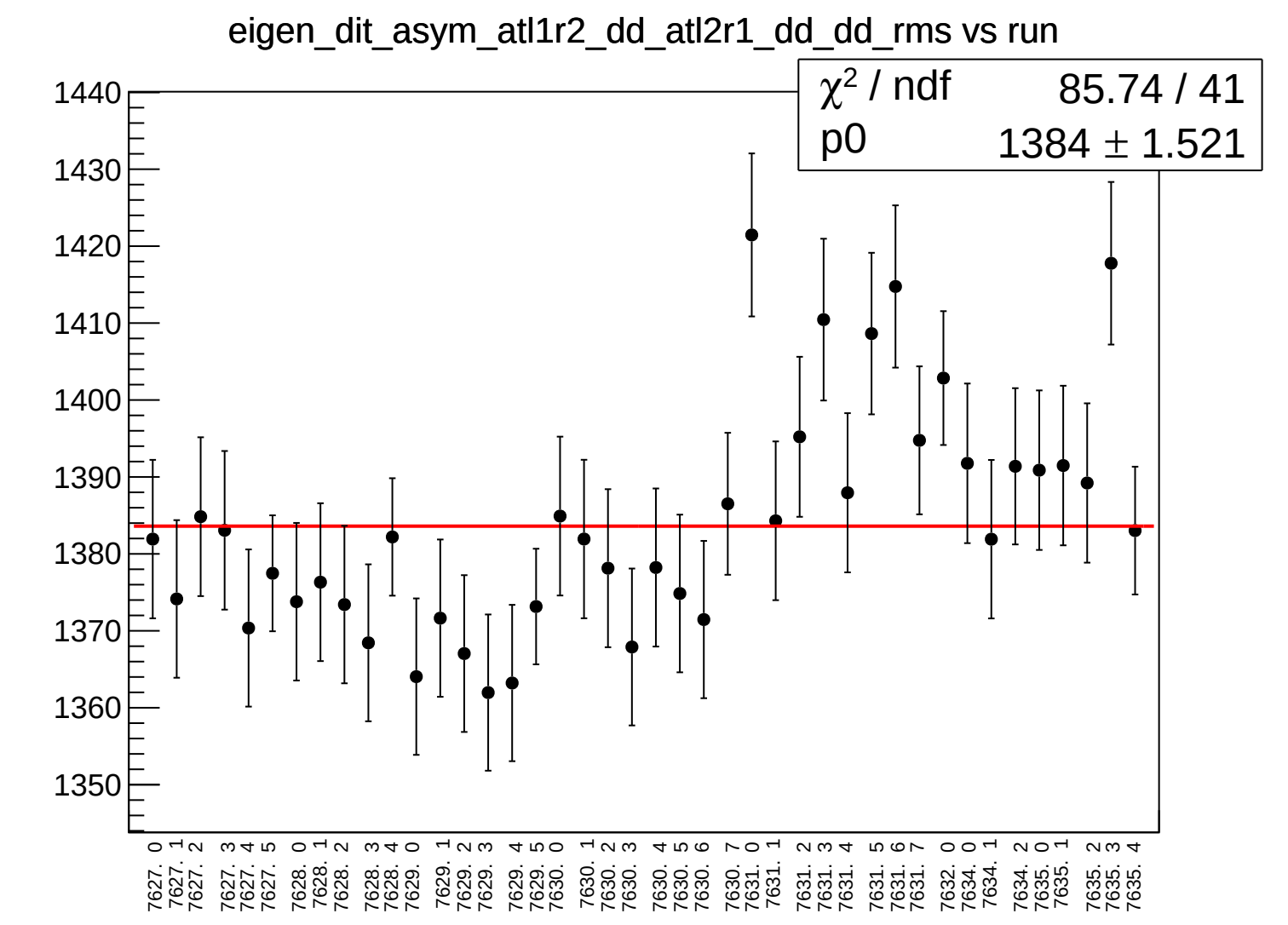

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 32.93 / 41
p0 −2.817e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.071
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01667
Std Dev 0.8853
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 9651 / 41
p0 7139 ± 7.893
8500
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 31.18 / 41
p0 −4429 ± 2151
pull
Entries 42
Mean −31.76
Std Dev 0


pull1D
Entries 42
Mean −0.02625
Std Dev 0.8612


eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 85.74 / 41
p0 1384 ± 1.521
1440
1430
1420
1410
1400
1390
1380
1370
1360
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 0
7630. 1
7630. 2
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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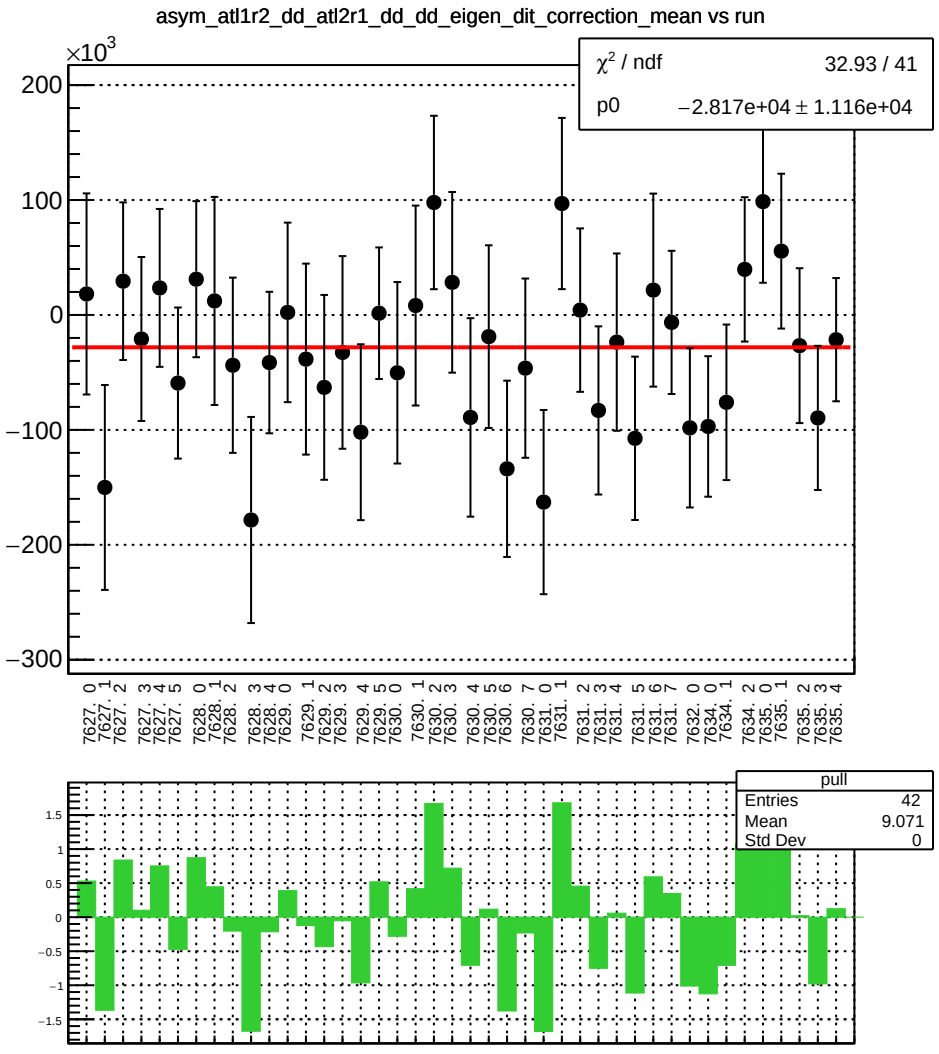
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.93 / 41
p0 −2.817e+04 ± 1.116e+04
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
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7630. 4
7630. 5
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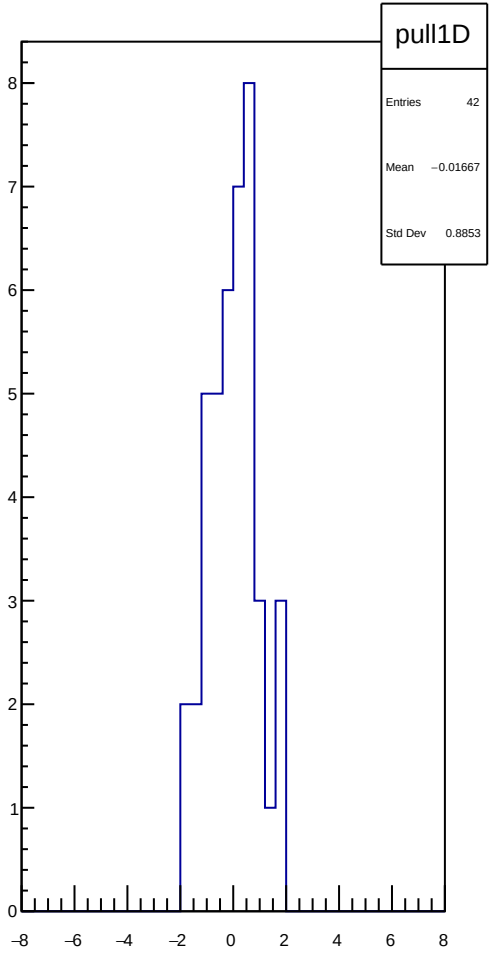
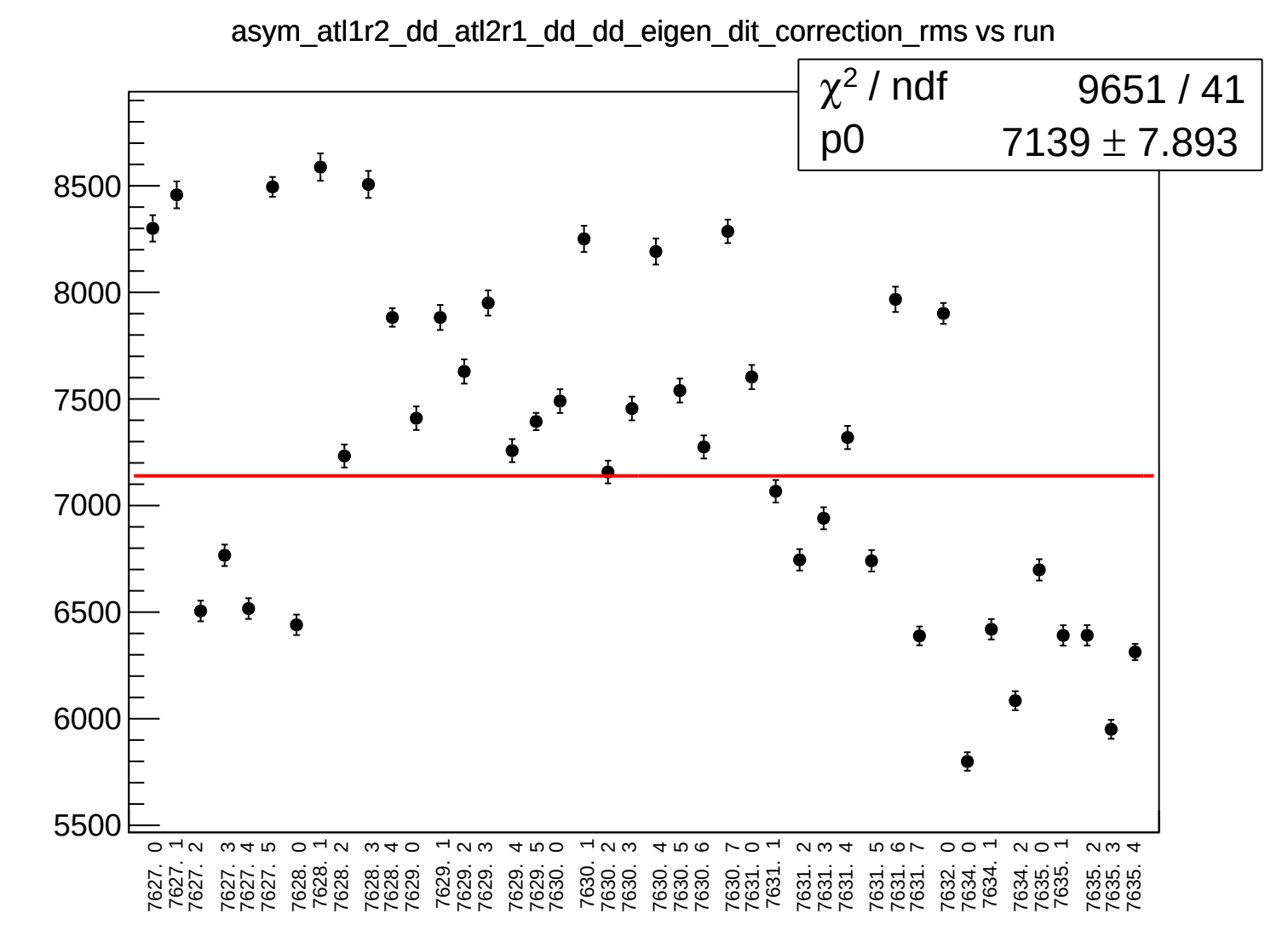
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.071
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01667
Std Dev 0.8853
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 9651 / 41
p0 7139 ± 7.893
8500
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
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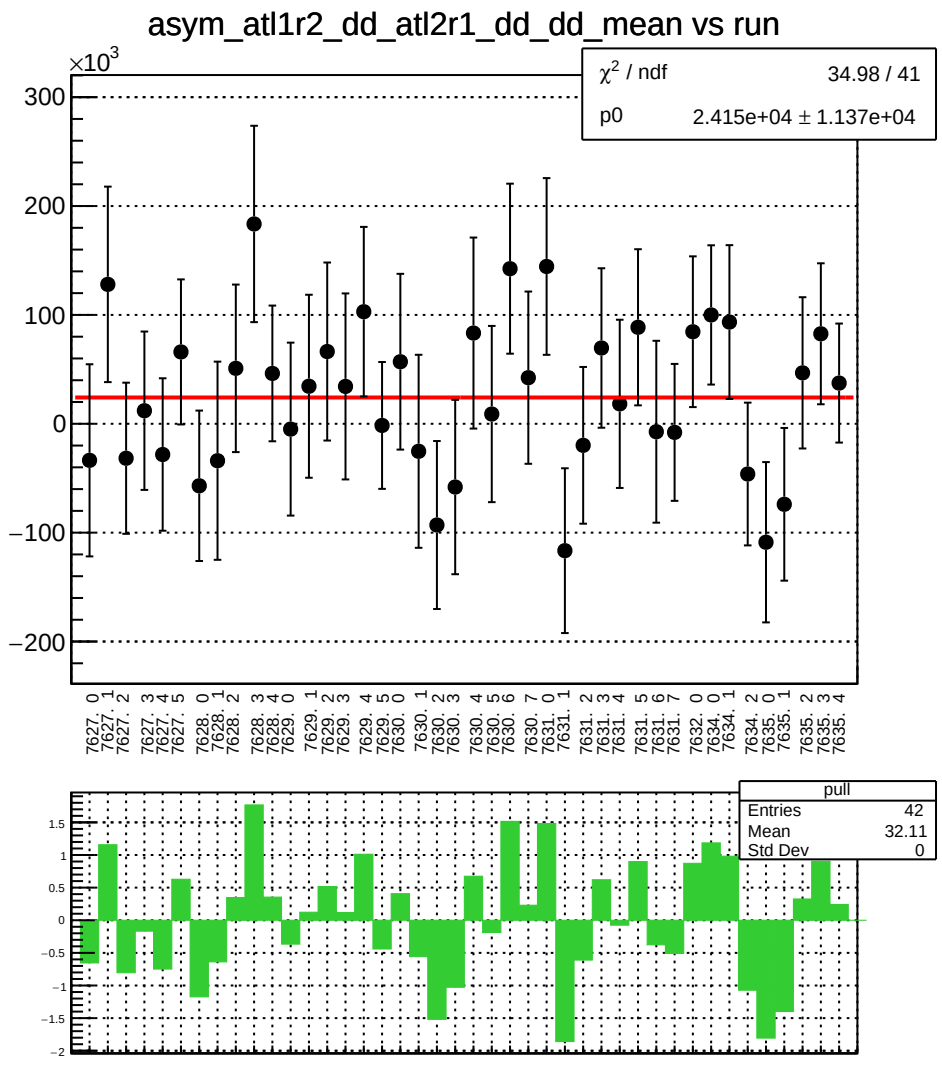
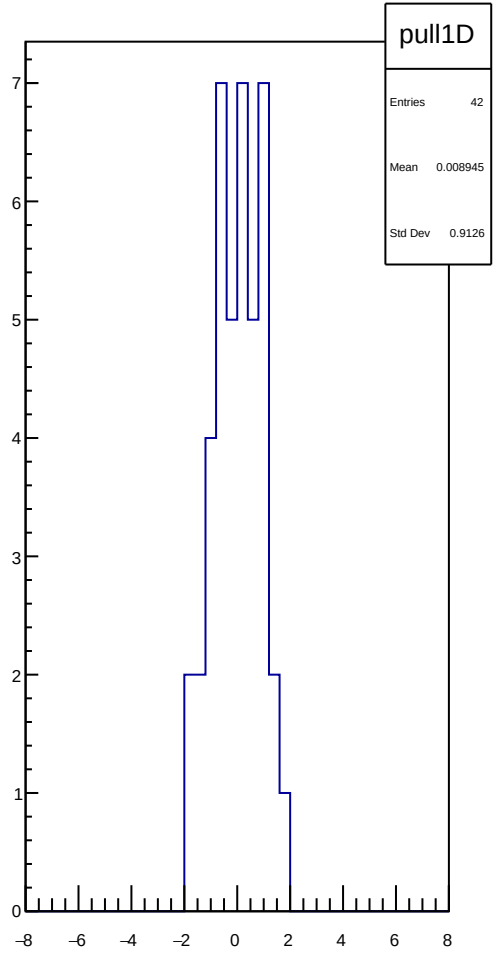
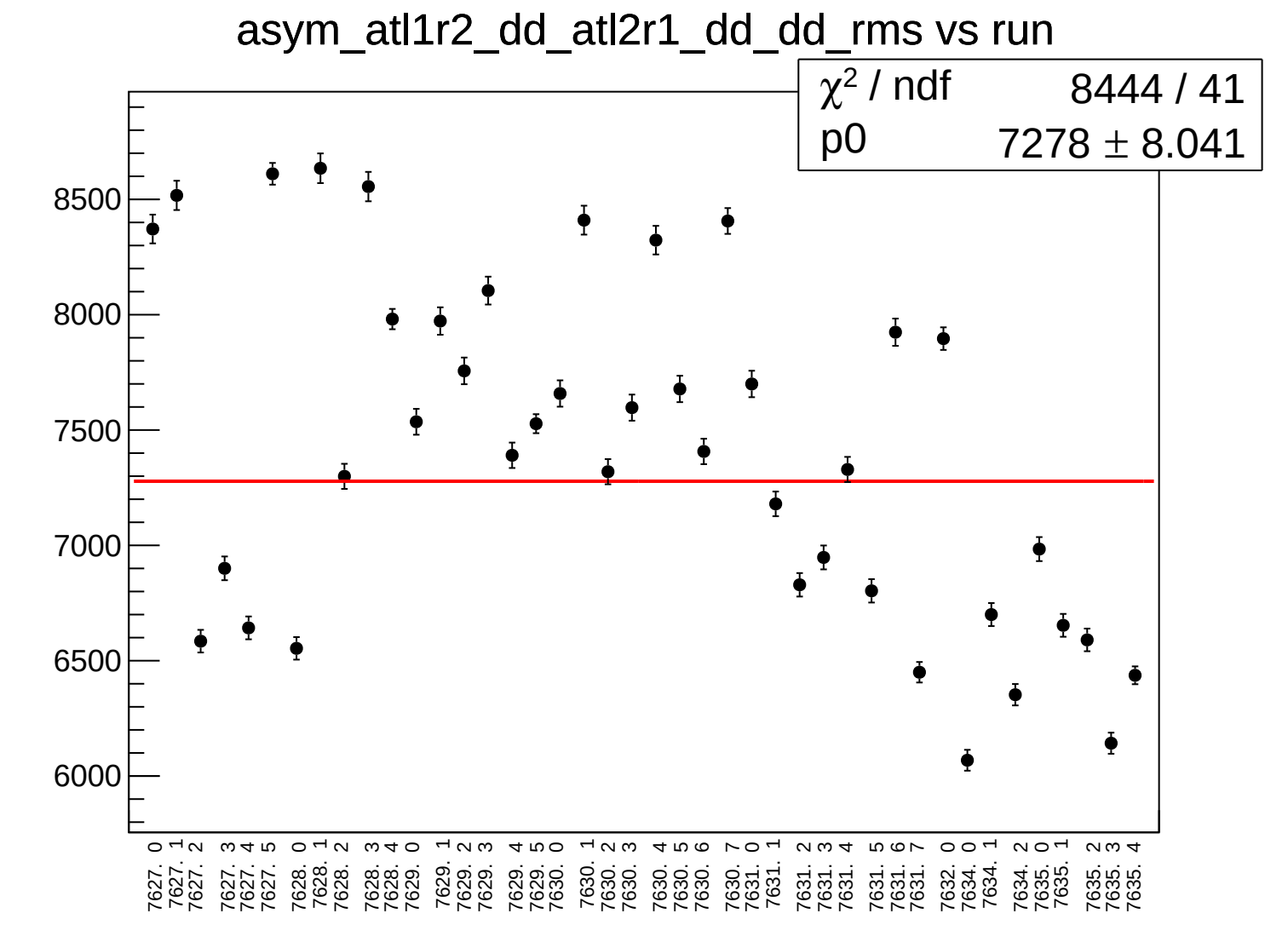
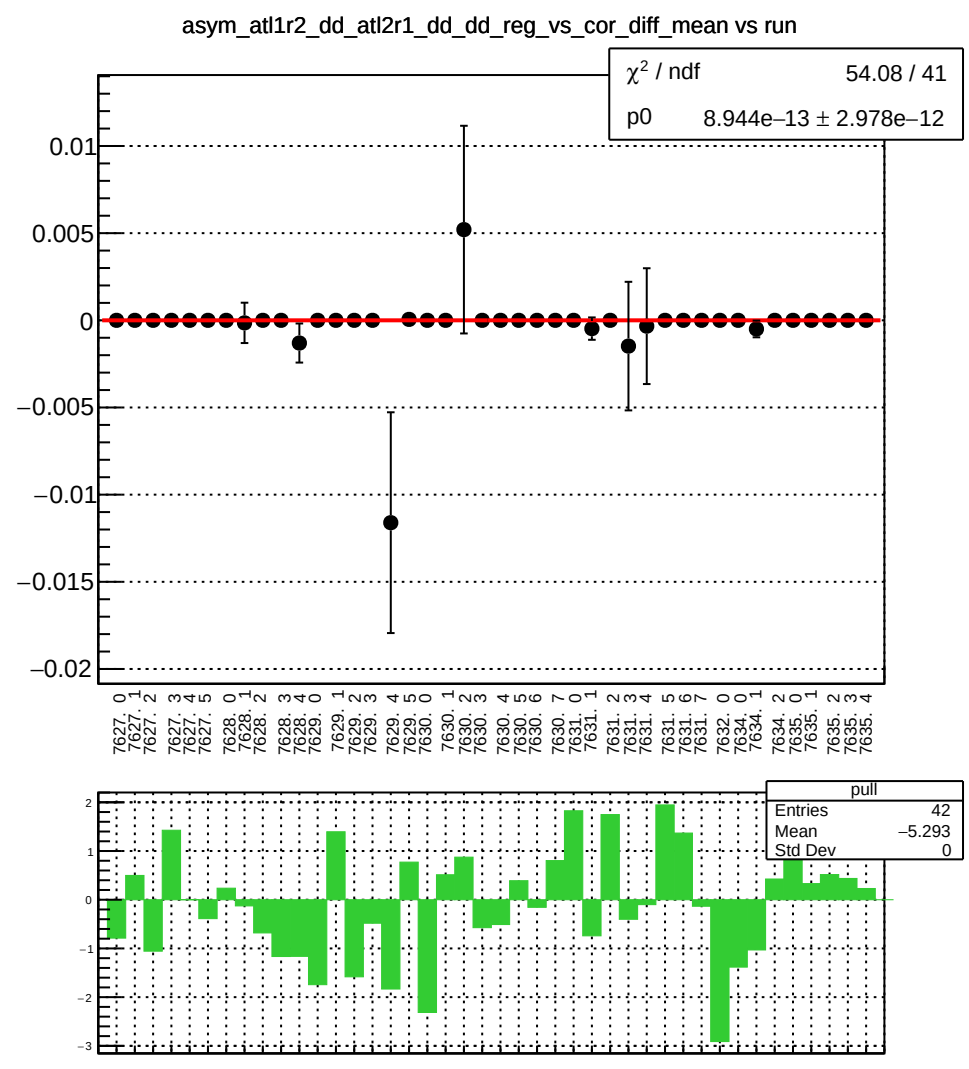
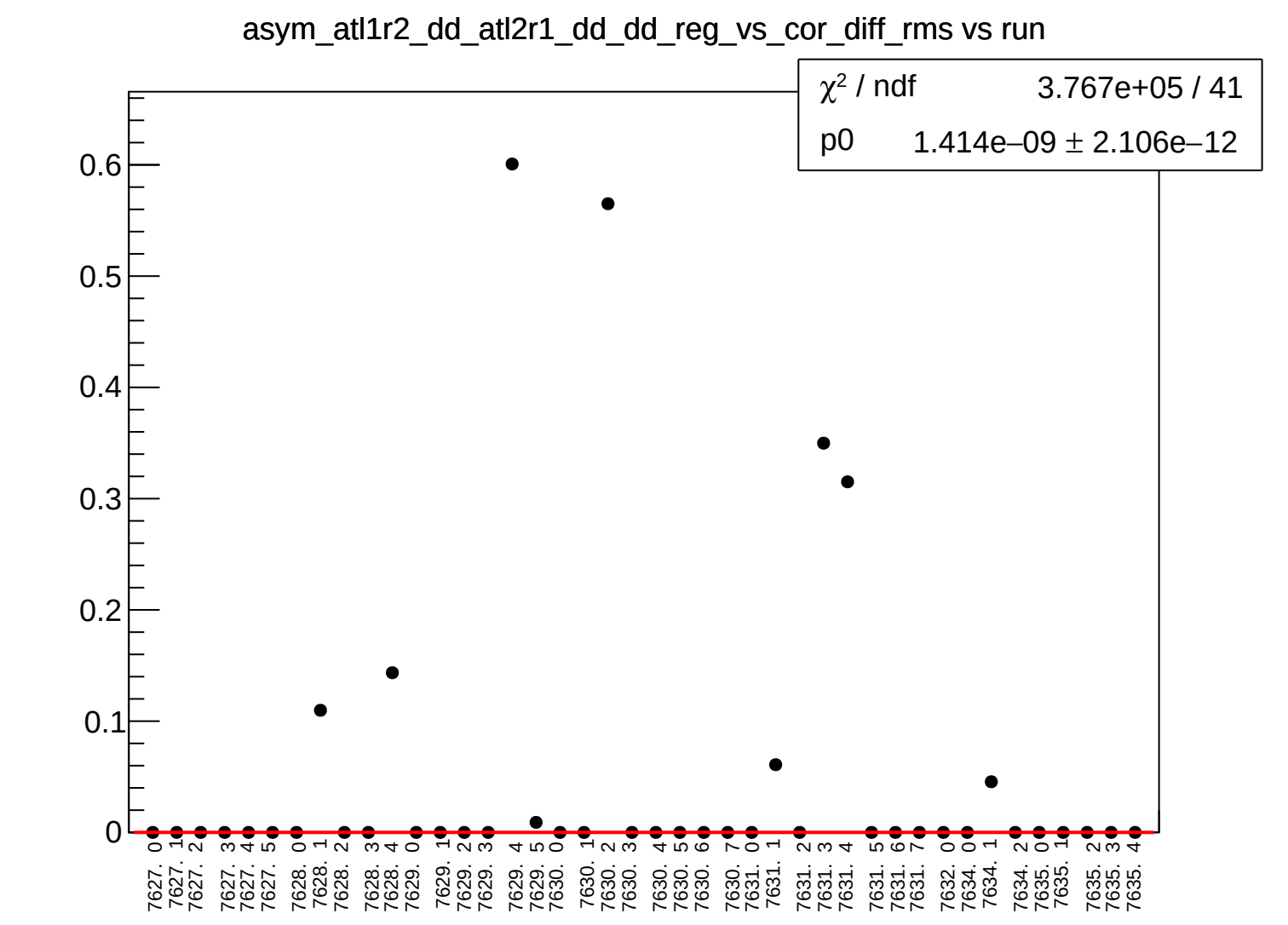
7635. 3
7635. 4

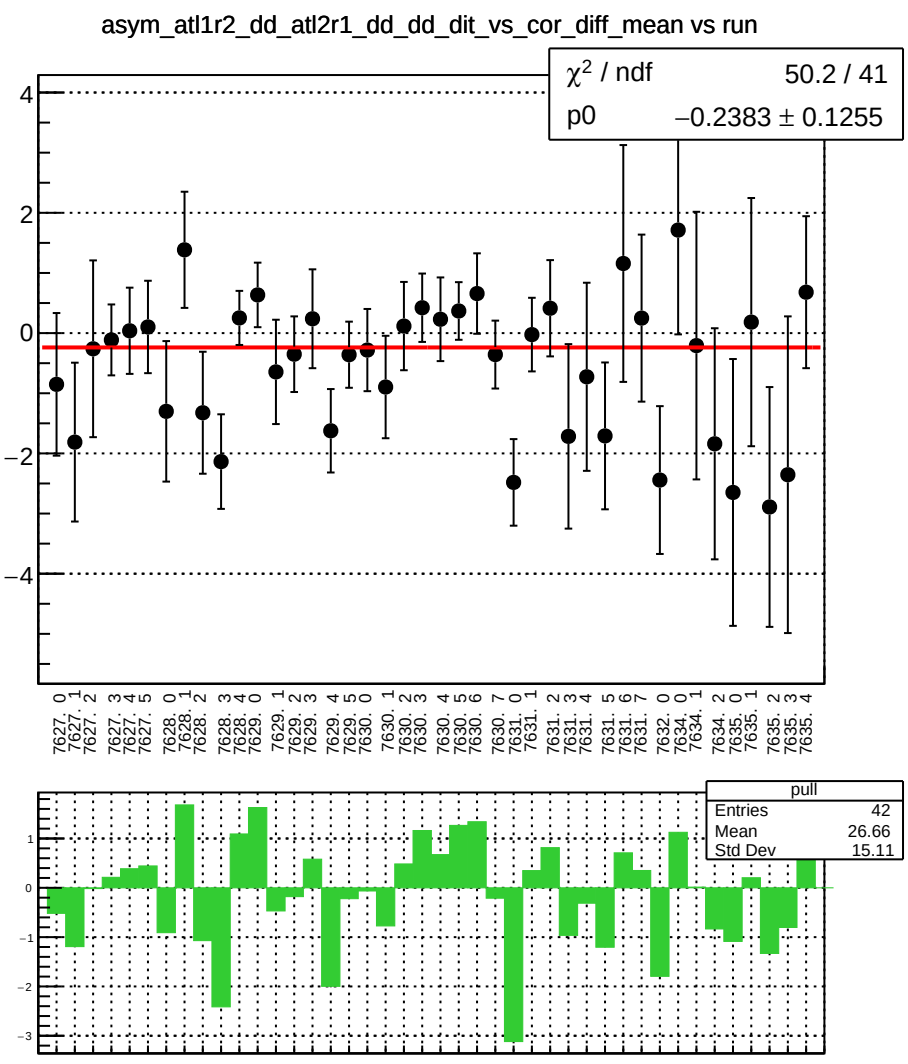

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 34.98 / 41
p0 2.415e+04 ± 1.137e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 32.11
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

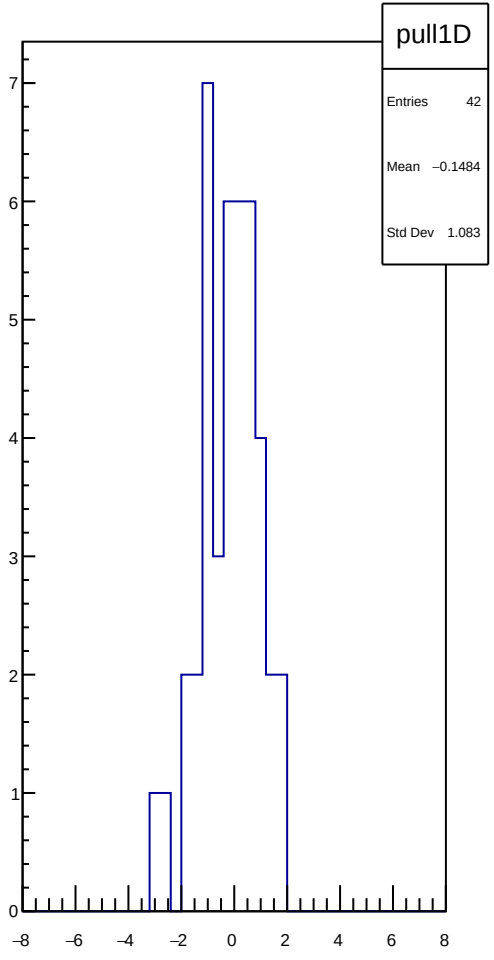

pull1D
Entries 42
Mean 0.008945
Std Dev 0.9126
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

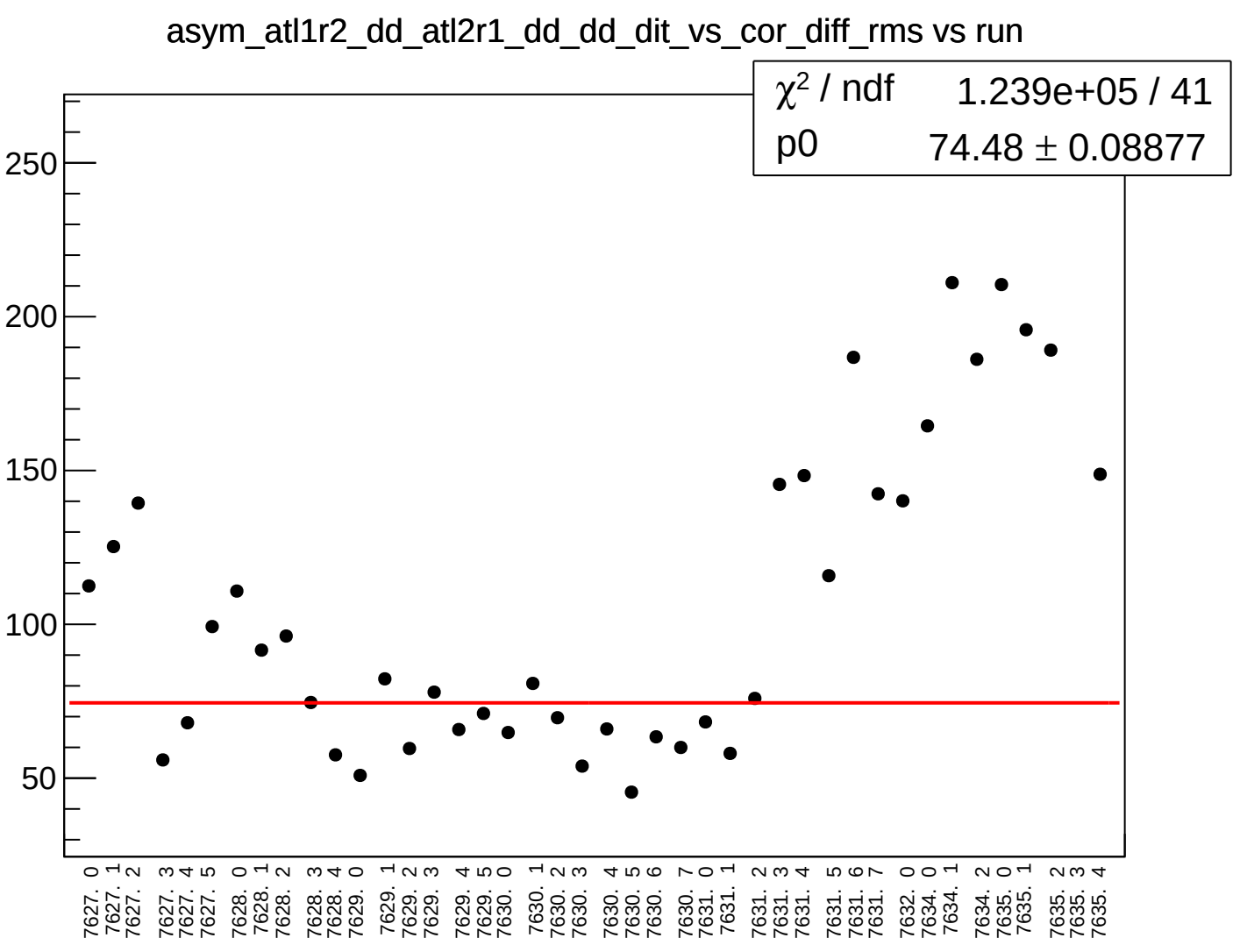

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 8444 / 41
p0 7278 ± 8.041
8500
8000
7500
7000
6500
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

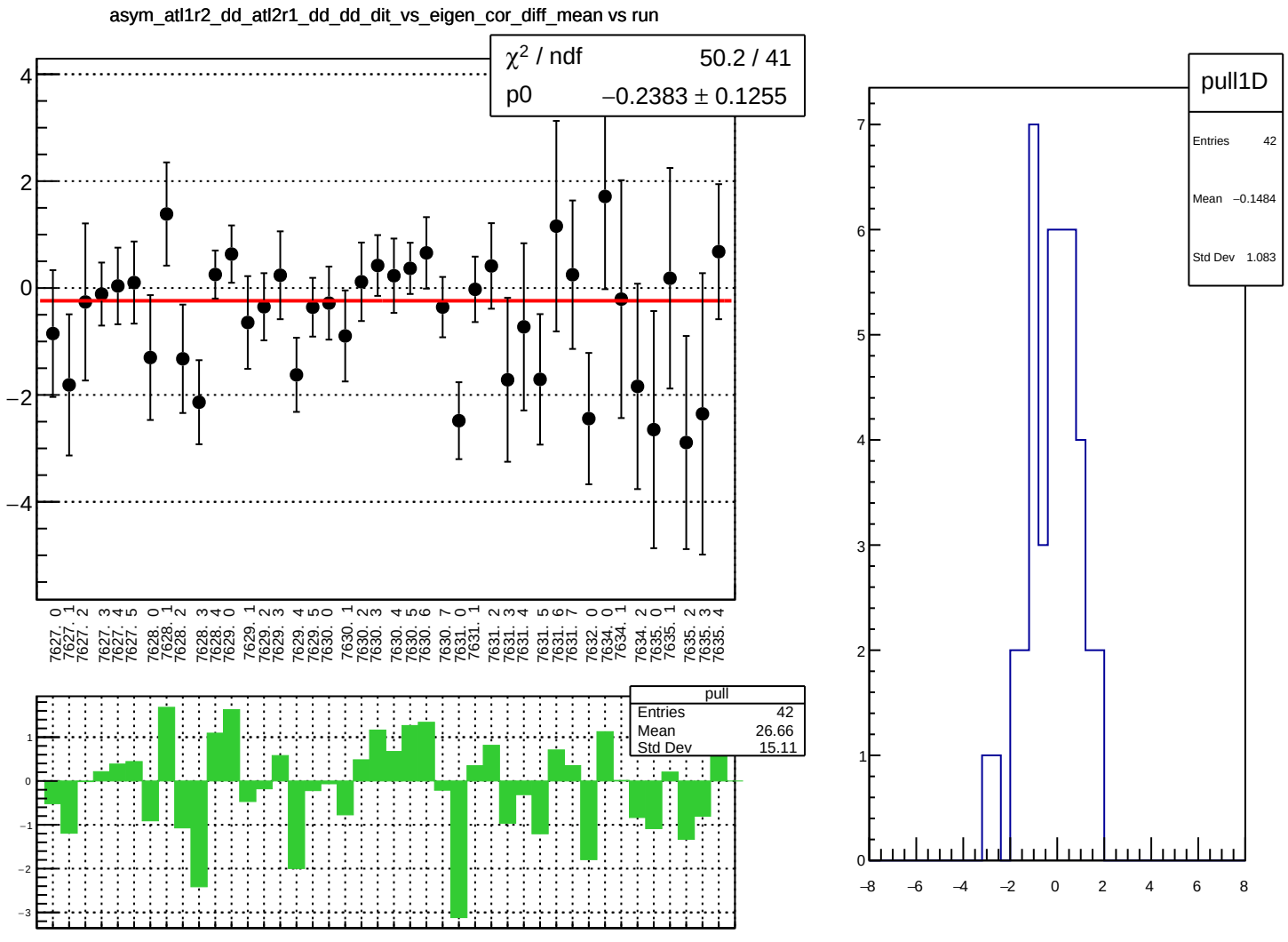

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.08 / 41
p0 8.944e−13 ± 2.978e−12
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.293
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.09655
Std Dev 1.131
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

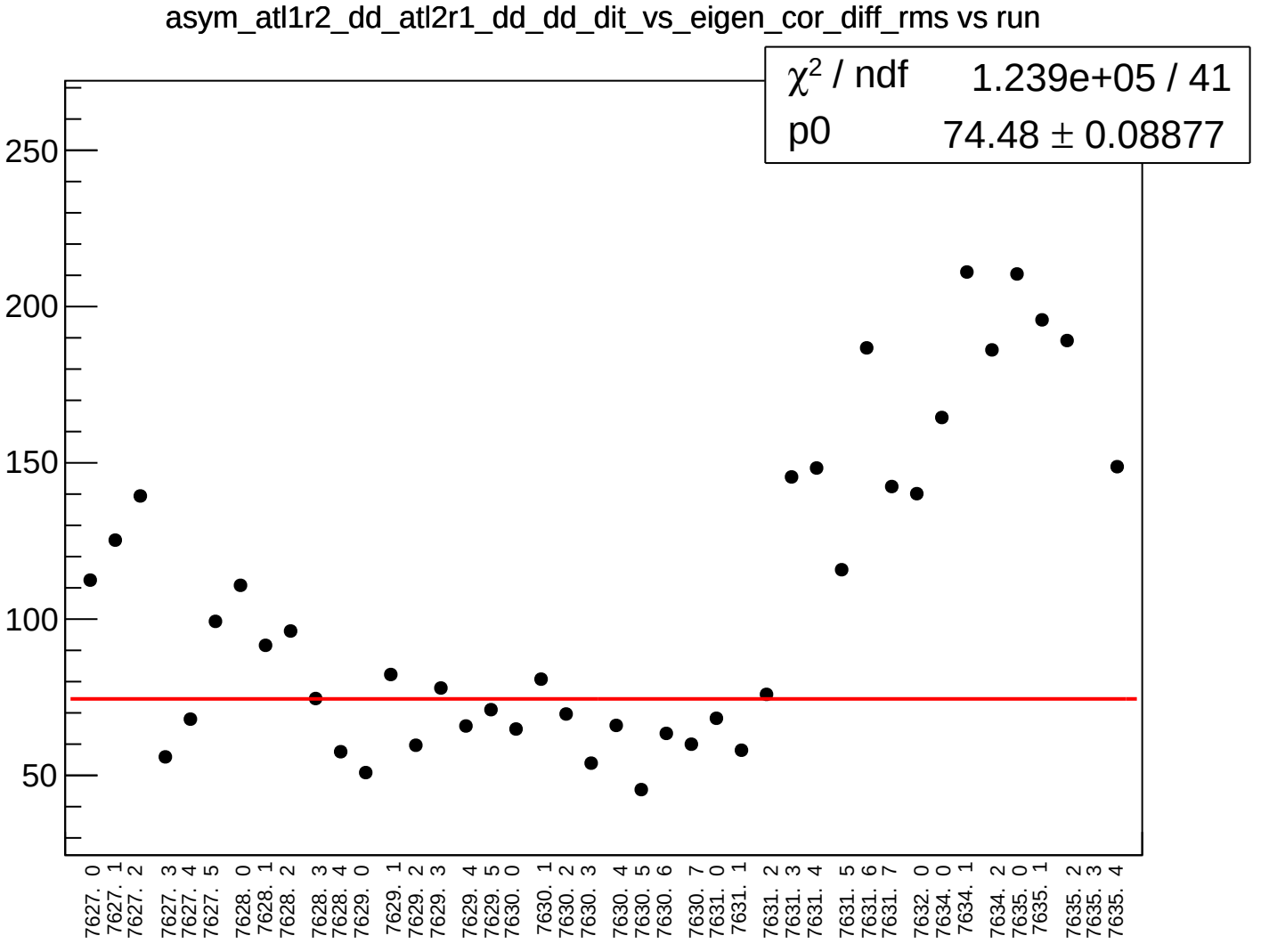

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.767e+05 / 41
p0 1.414e−09 ± 2.106e−12
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

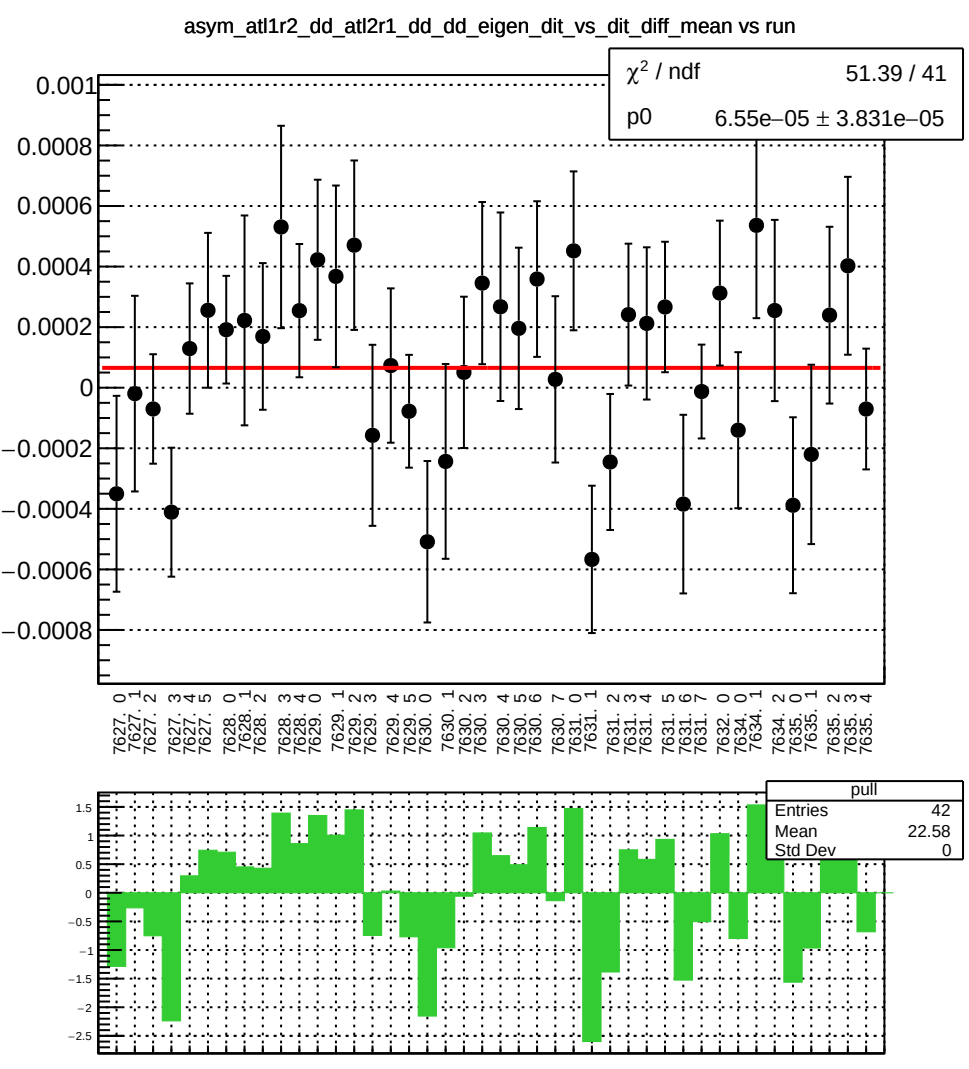

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.2 / 41
p0 −0.2383 ± 0.1255
4
2
0
−2
−4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.66
Std Dev 15.11
1
0
−1
−2
−3

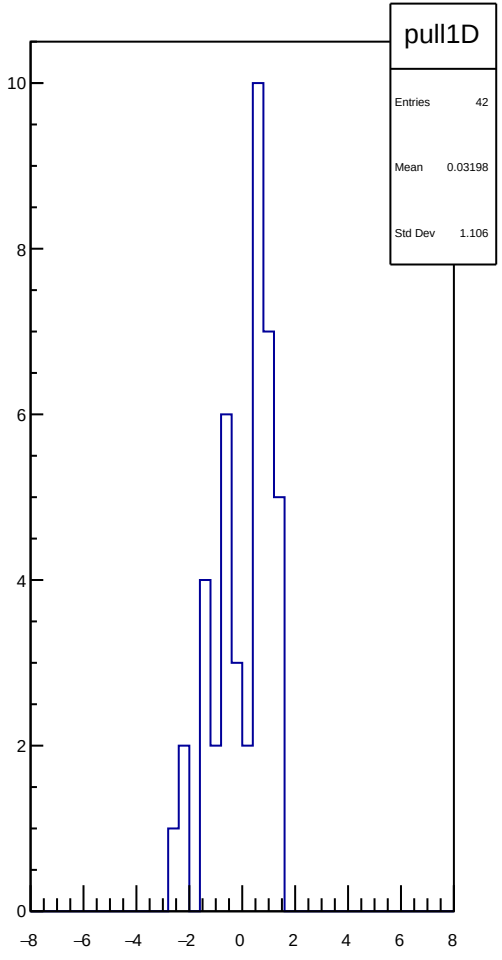

pull1D
Entries 42
Mean −0.1484
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

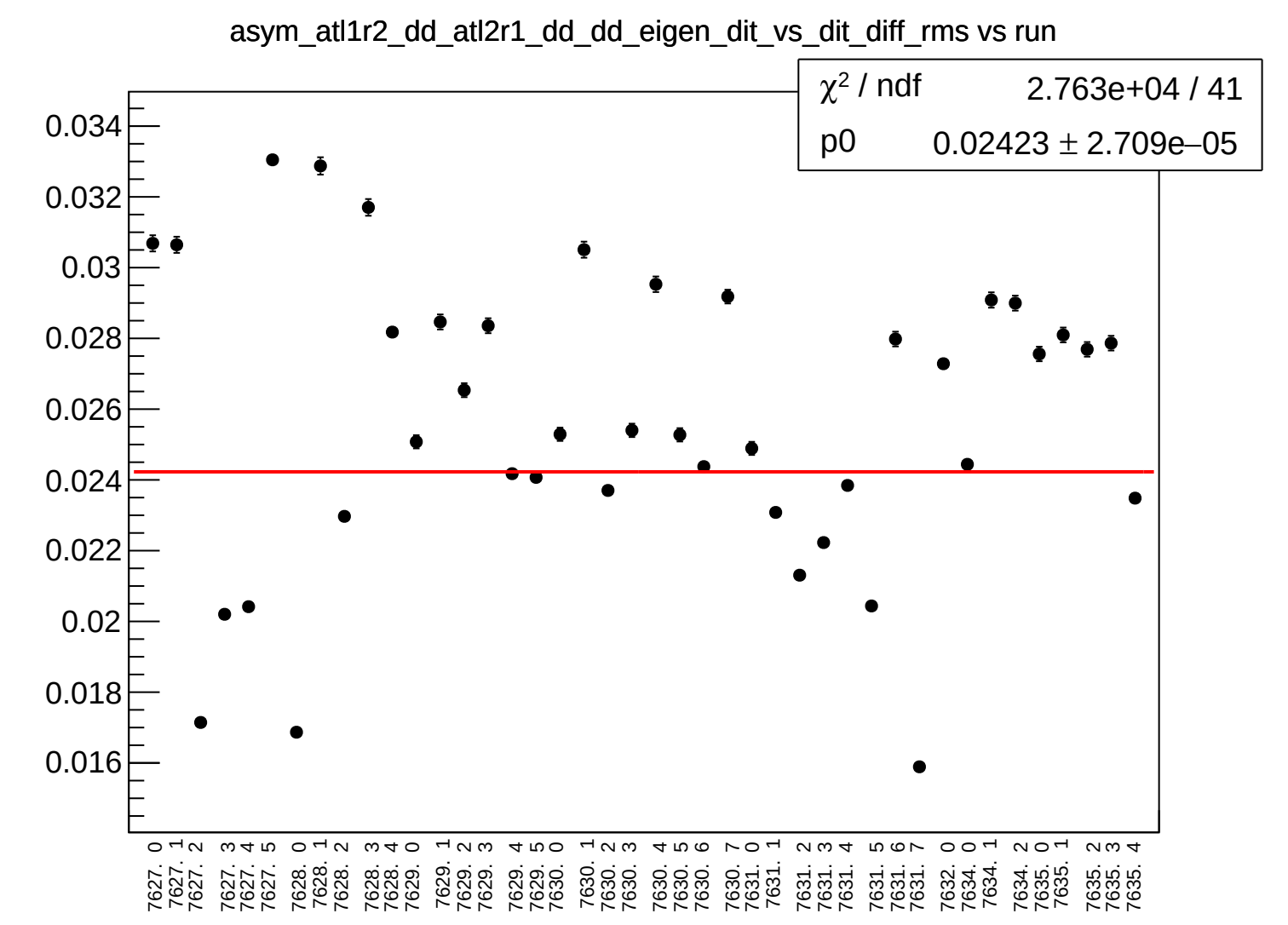

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

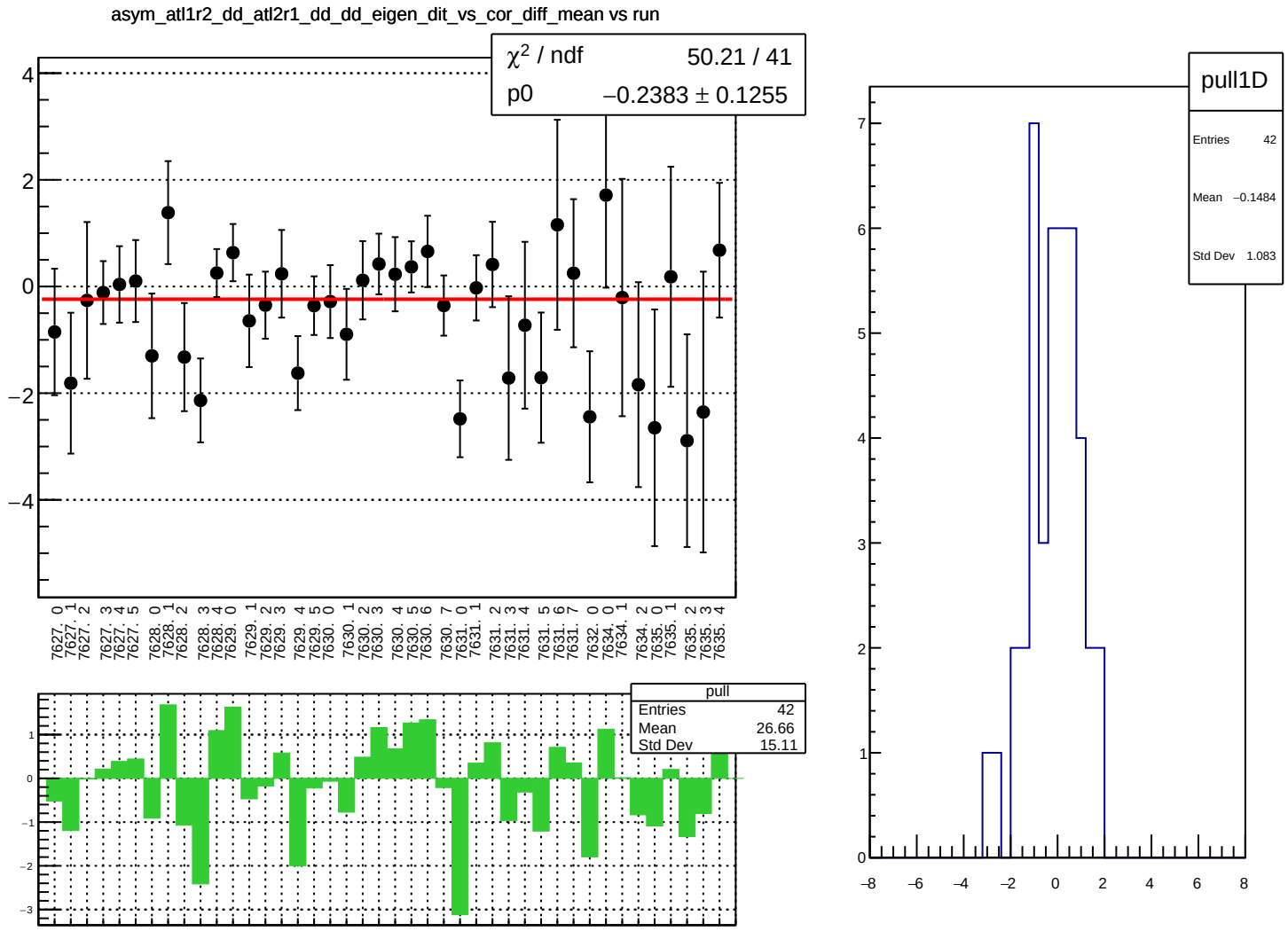

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.2 / 41
p0 −0.2383 ± 0.1255
4
2
0
−2
−4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.66
Std Dev 15.11
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.1484
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

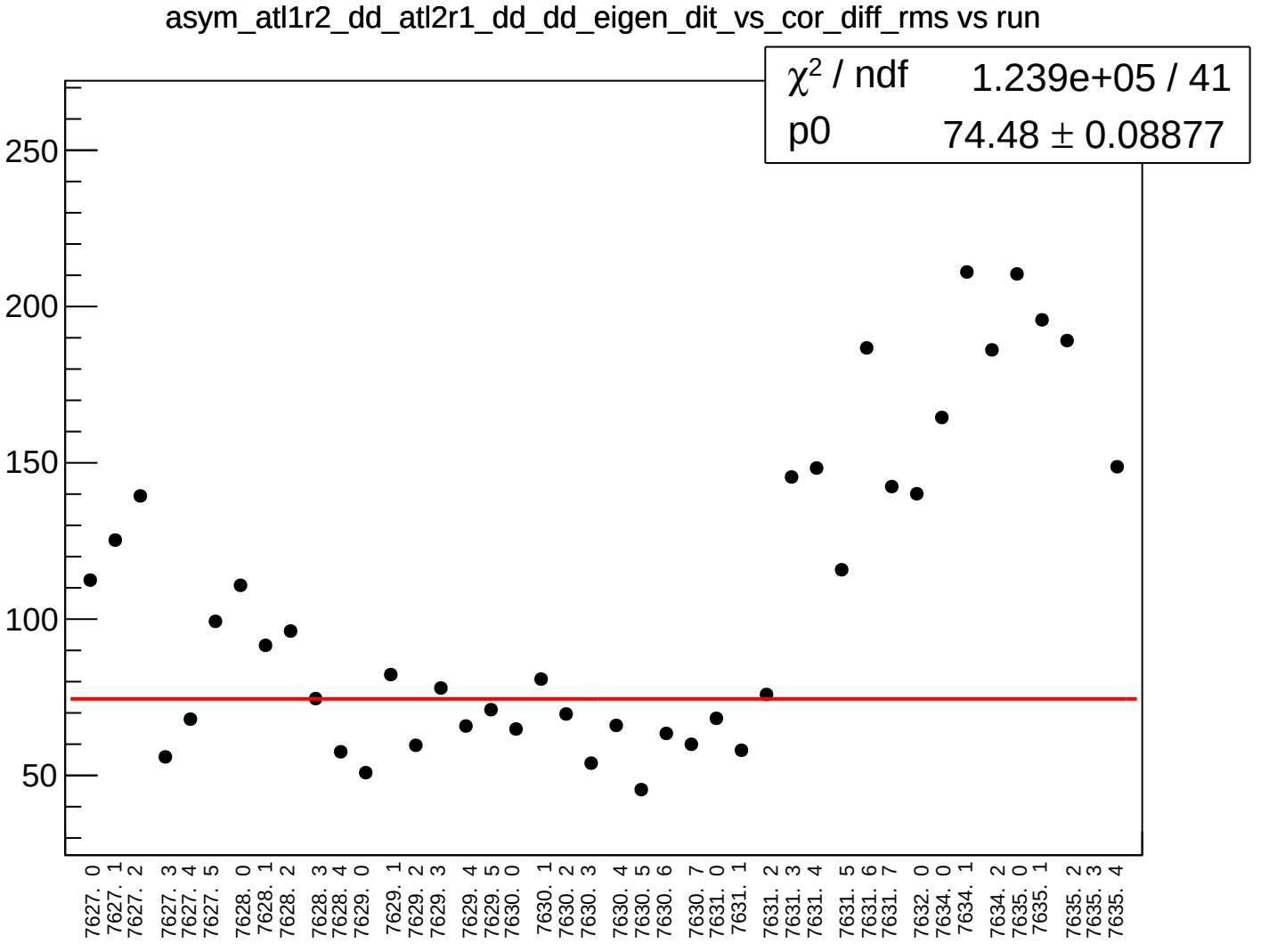

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

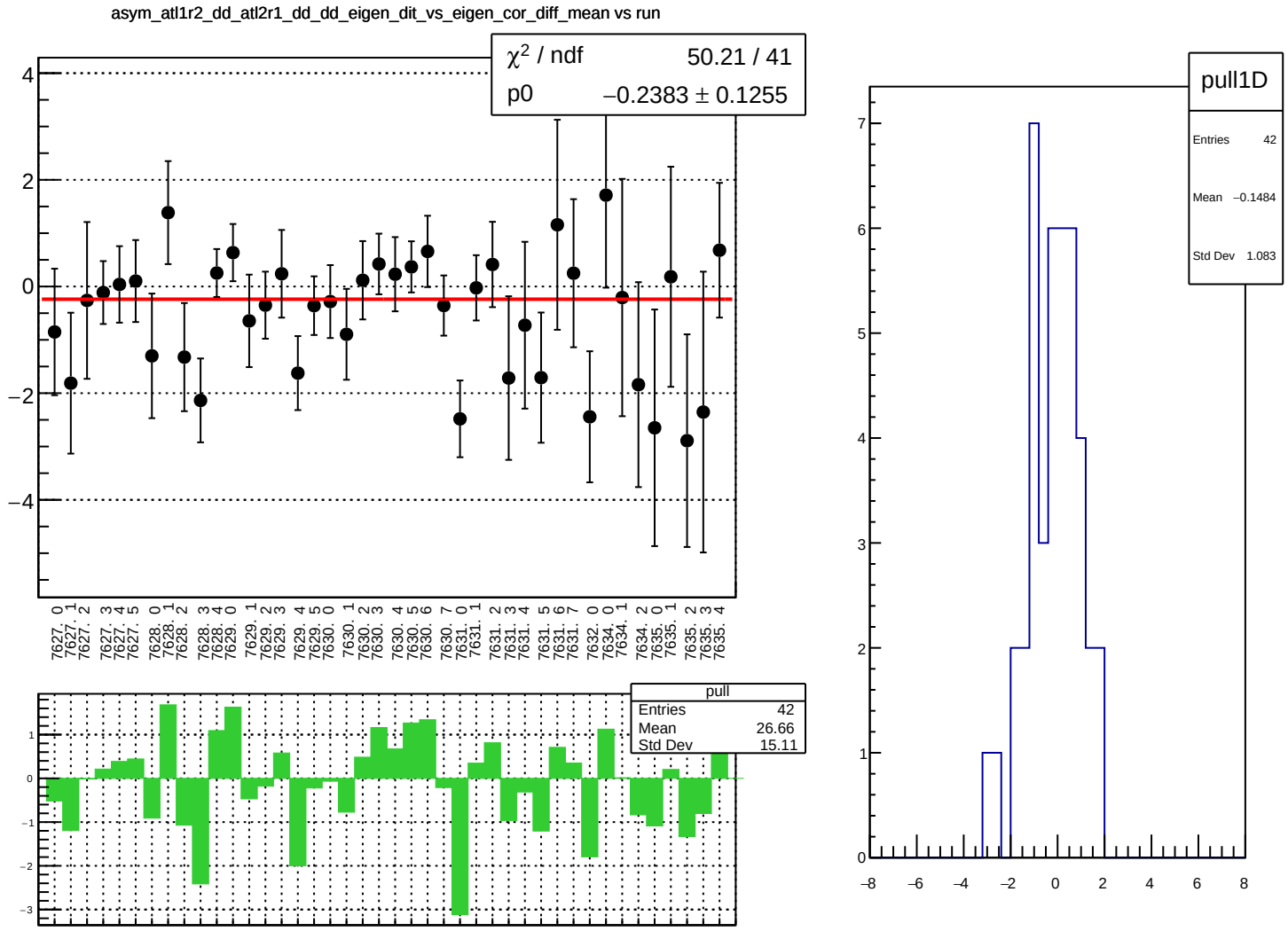

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 51.39 / 41
p0 6.55e−05 ± 3.831e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.58
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

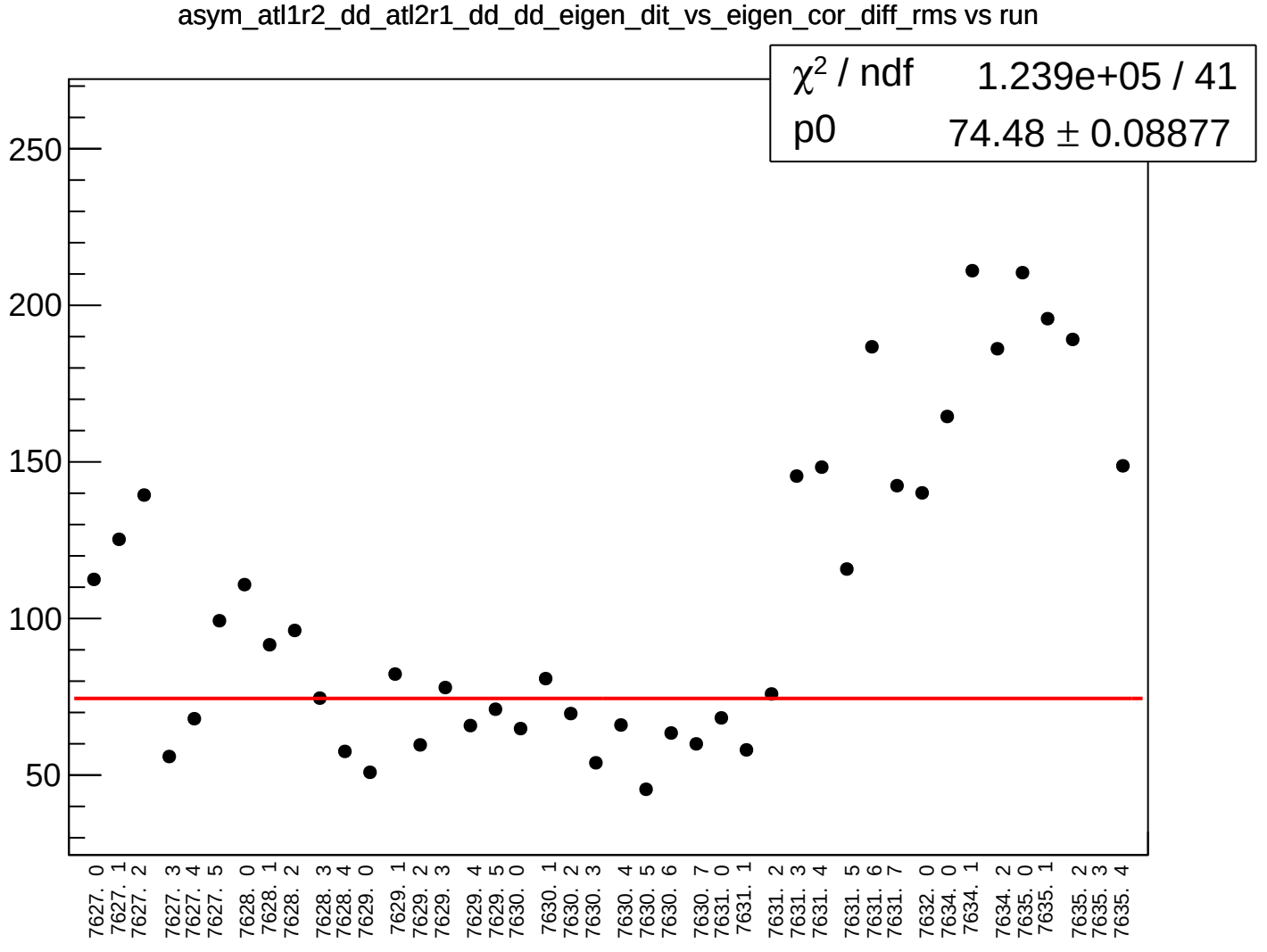

pull1D
Entries 42
Mean 0.03198
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

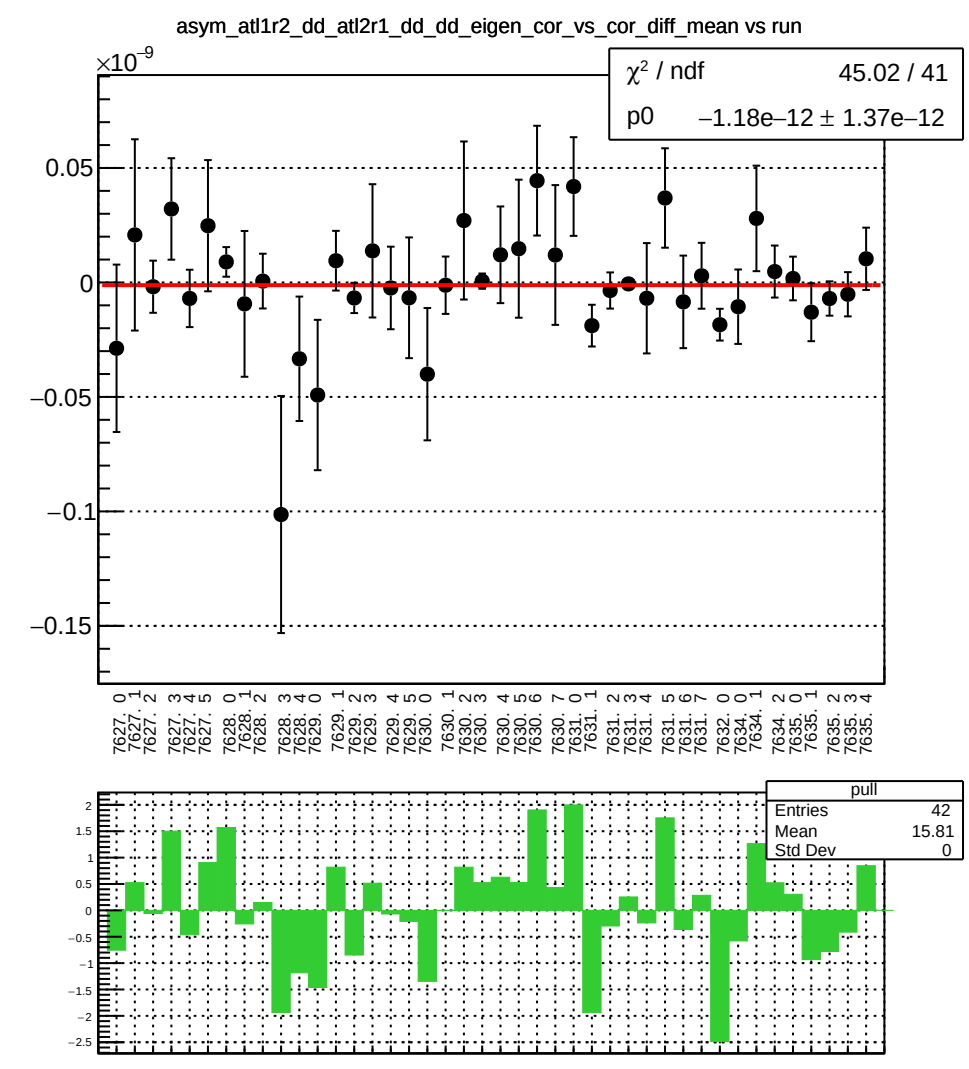

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.763e+04 / 41
p0 0.02423 ± 2.709e−05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

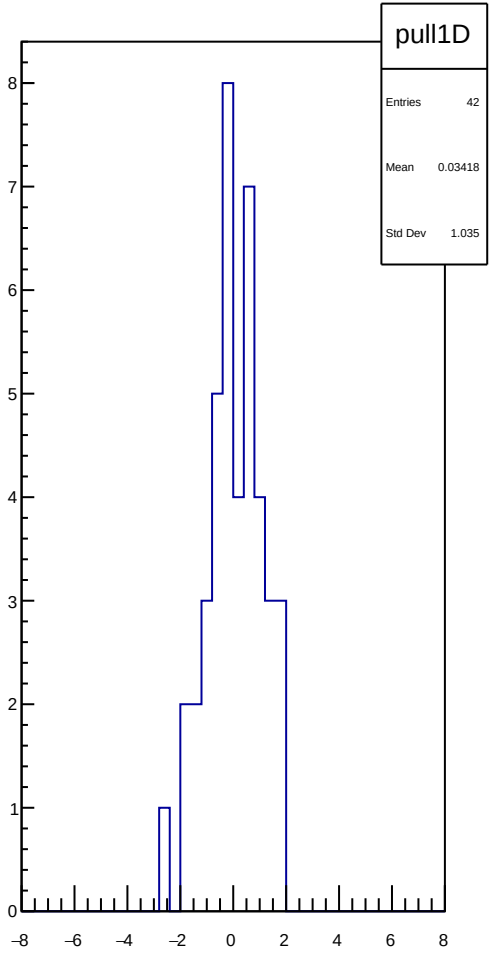

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.21 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11
pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

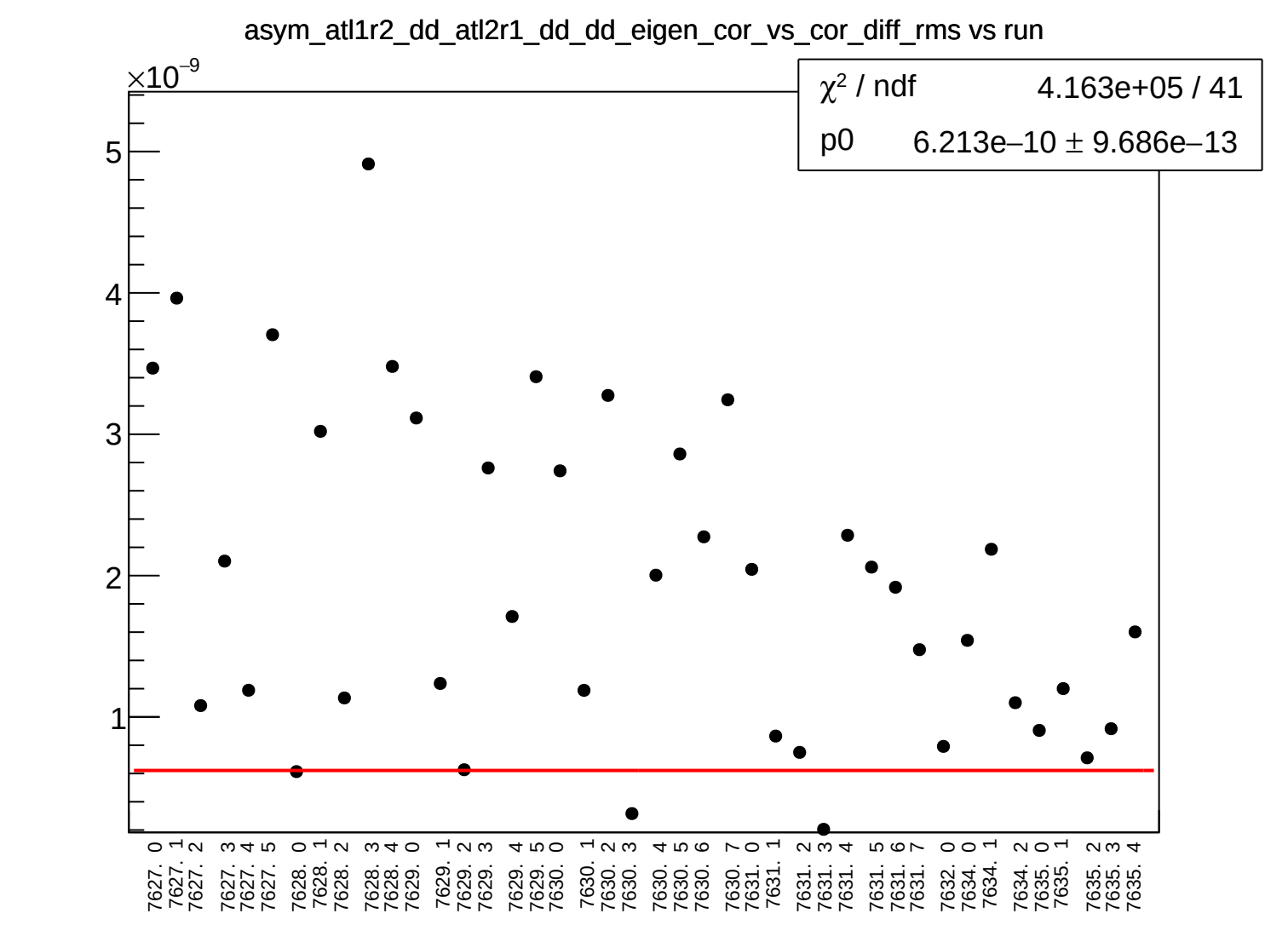

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

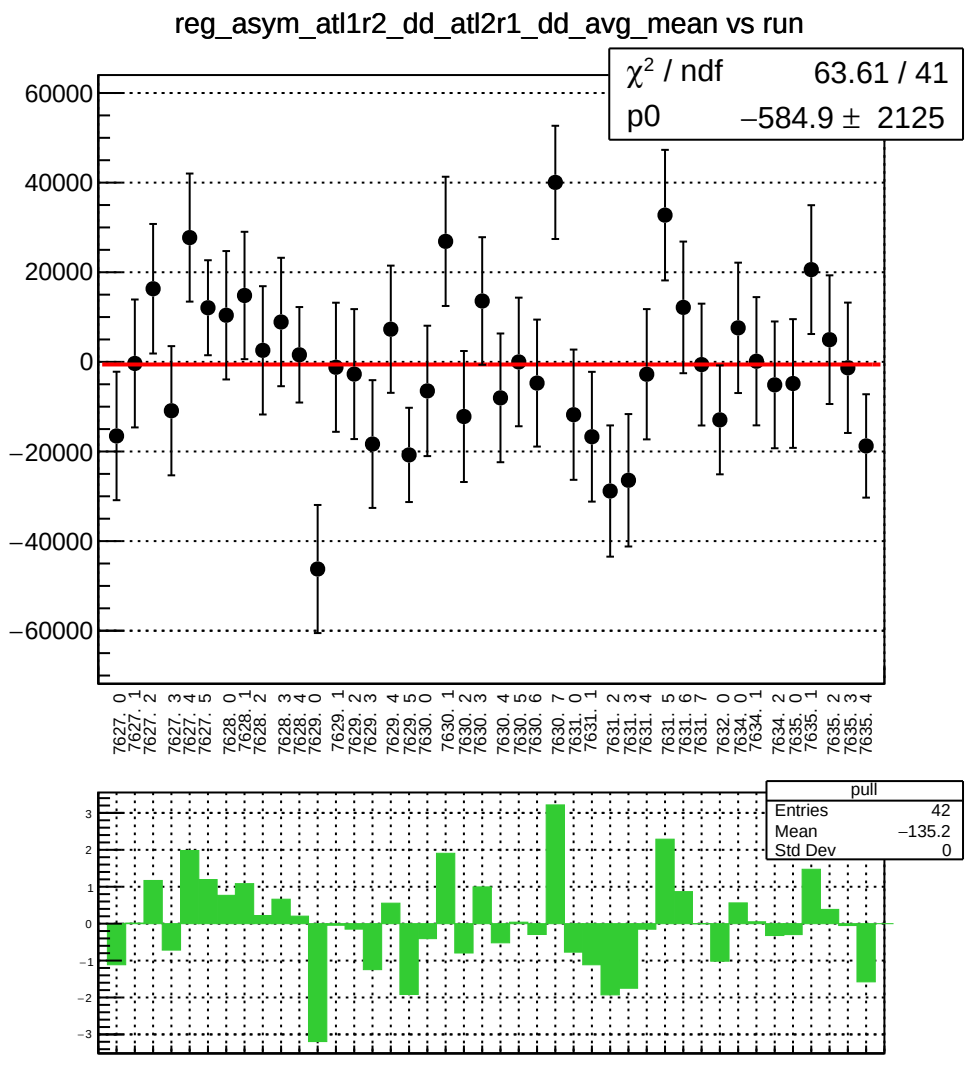

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.21 / 41
p0 −0.2383 ± 0.1255
pull
Entries 42
Mean 26.66
Std Dev 15.11
pull1D
Entries 42
Mean −0.1484
Std Dev 1.083

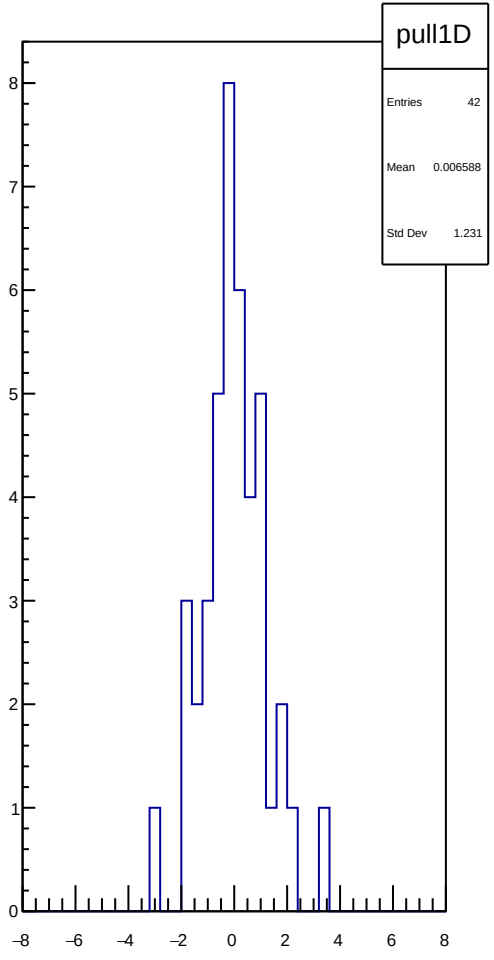

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 41
p0 74.48 ± 0.08877
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

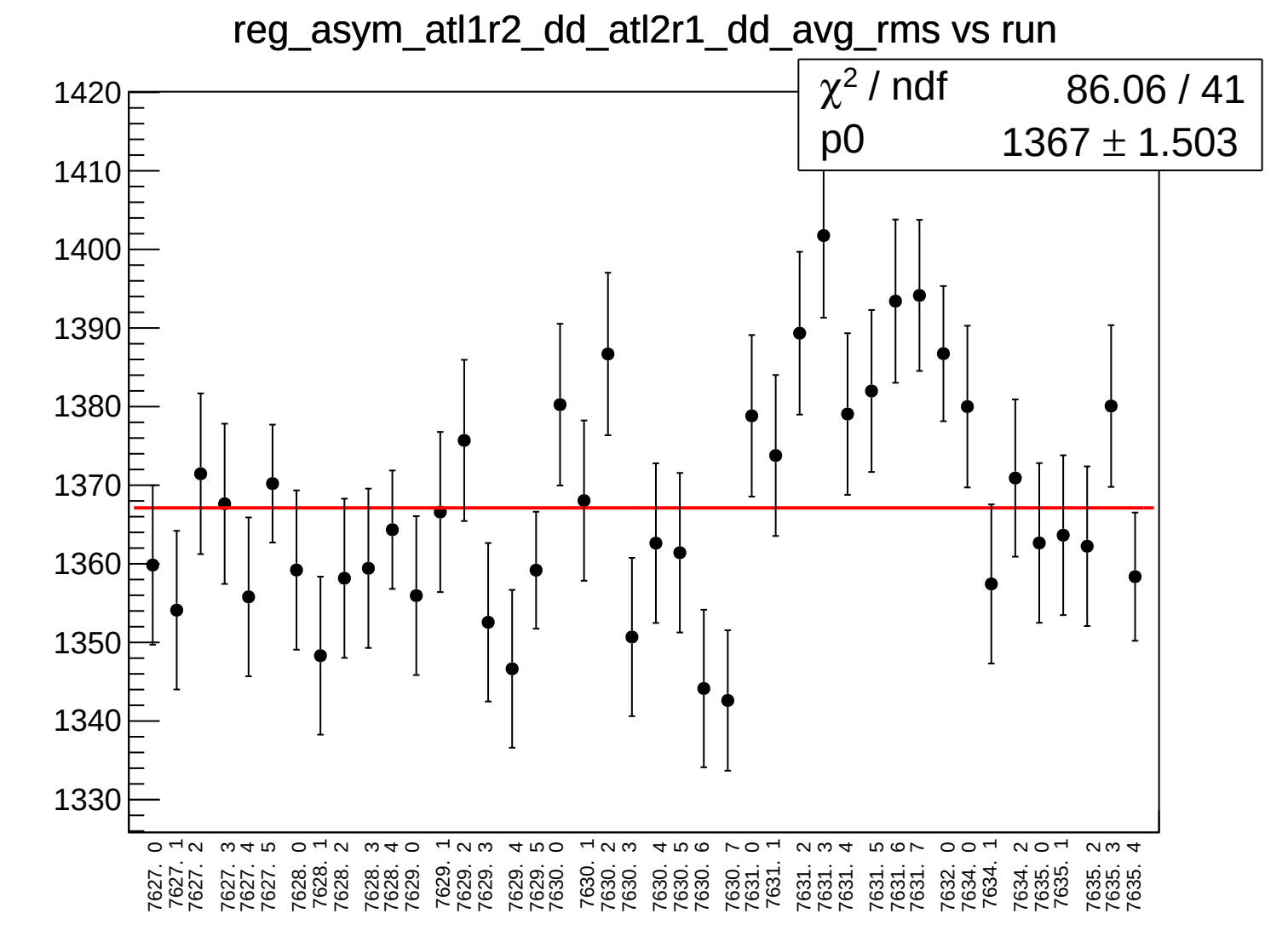

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 45.02 / 41
p0 −1.18e−12 ± 1.37e−12
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

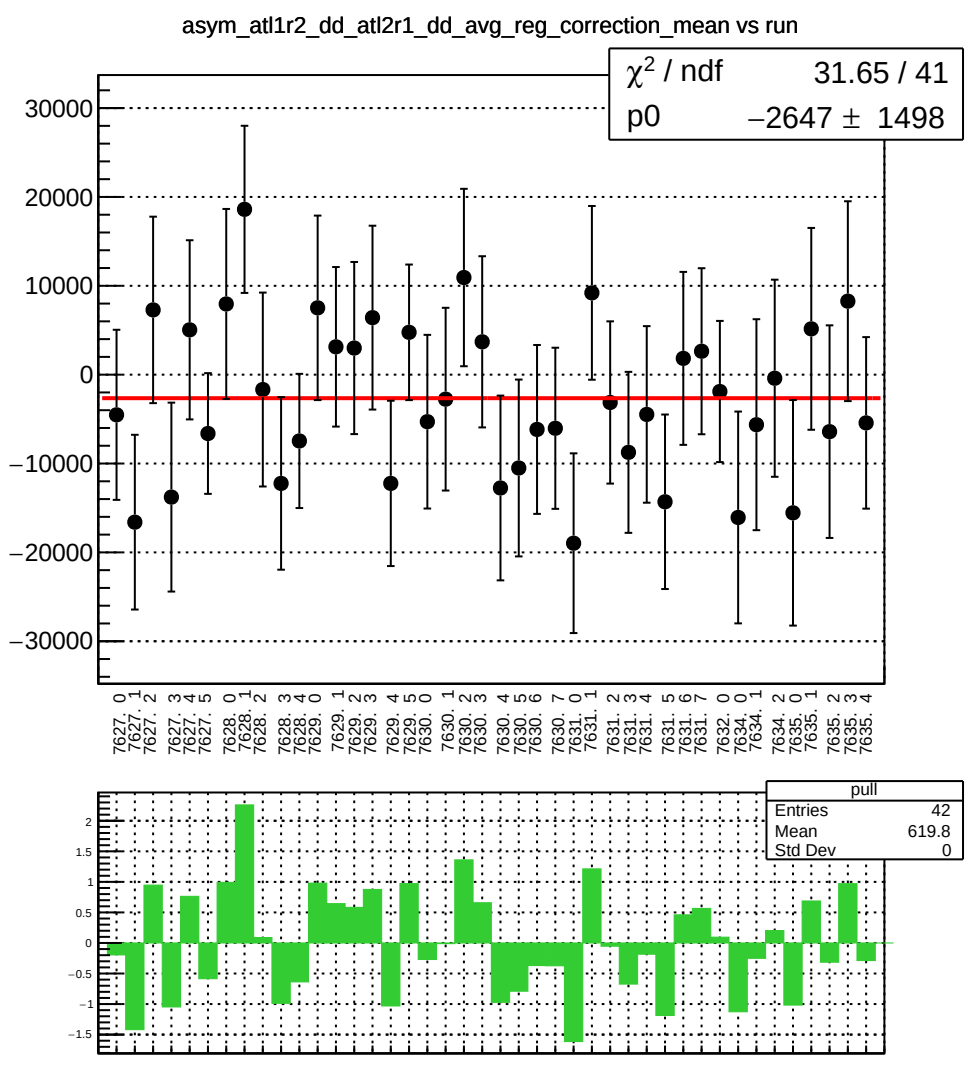

pull1D
Entries 42
Mean 0.03418
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

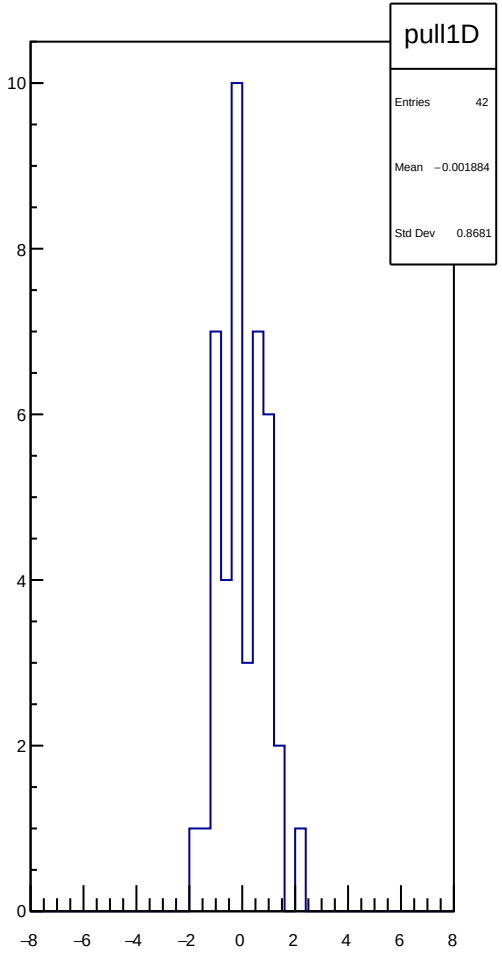

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.163e+05 / 41
p0 6.213e−10 ± 9.686e−13
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

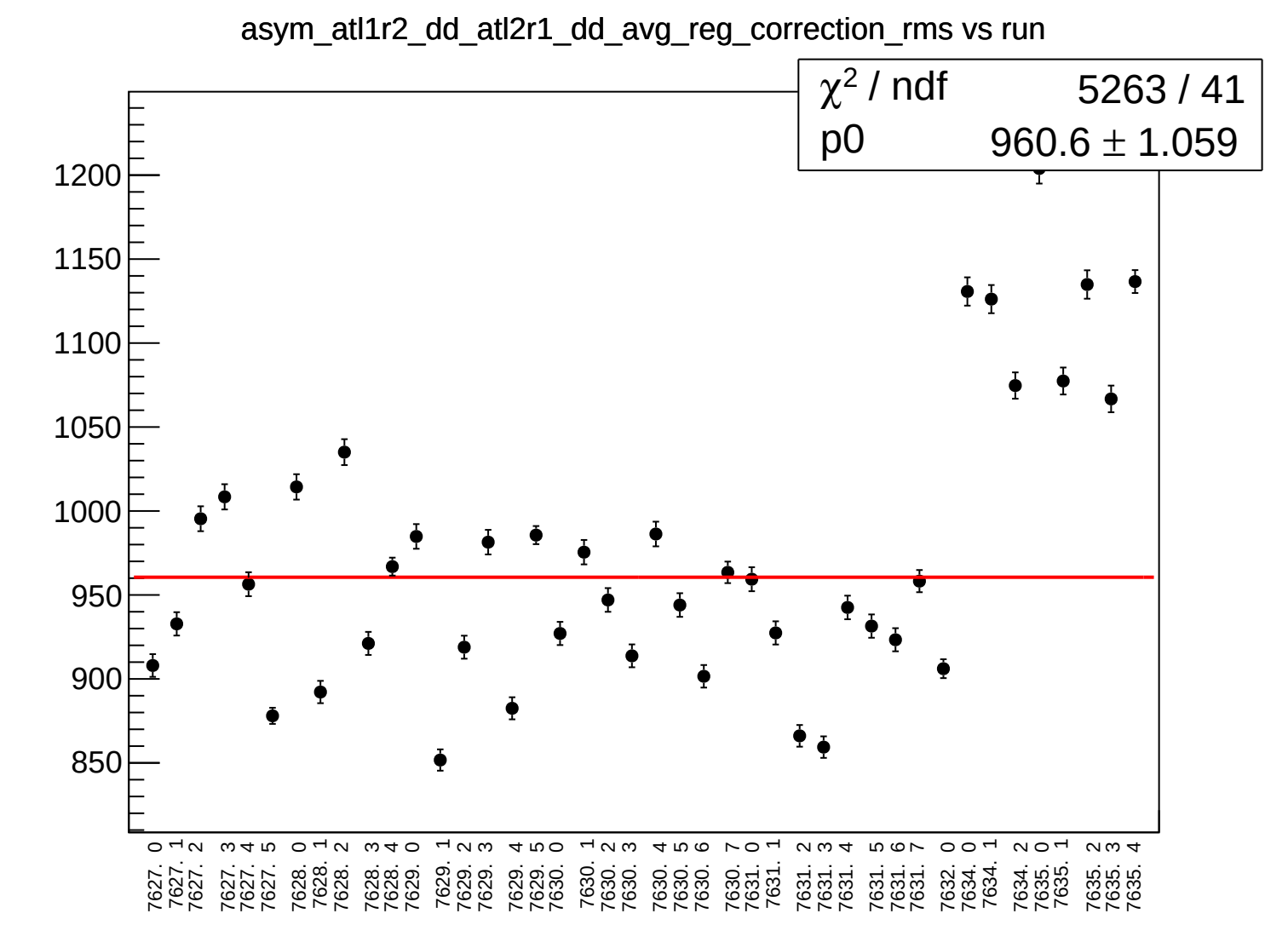

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 63.61 / 41
p0 −584.9 ± 2125
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −135.2
Std Dev 0
3
2
1
0
−1
−2
−3

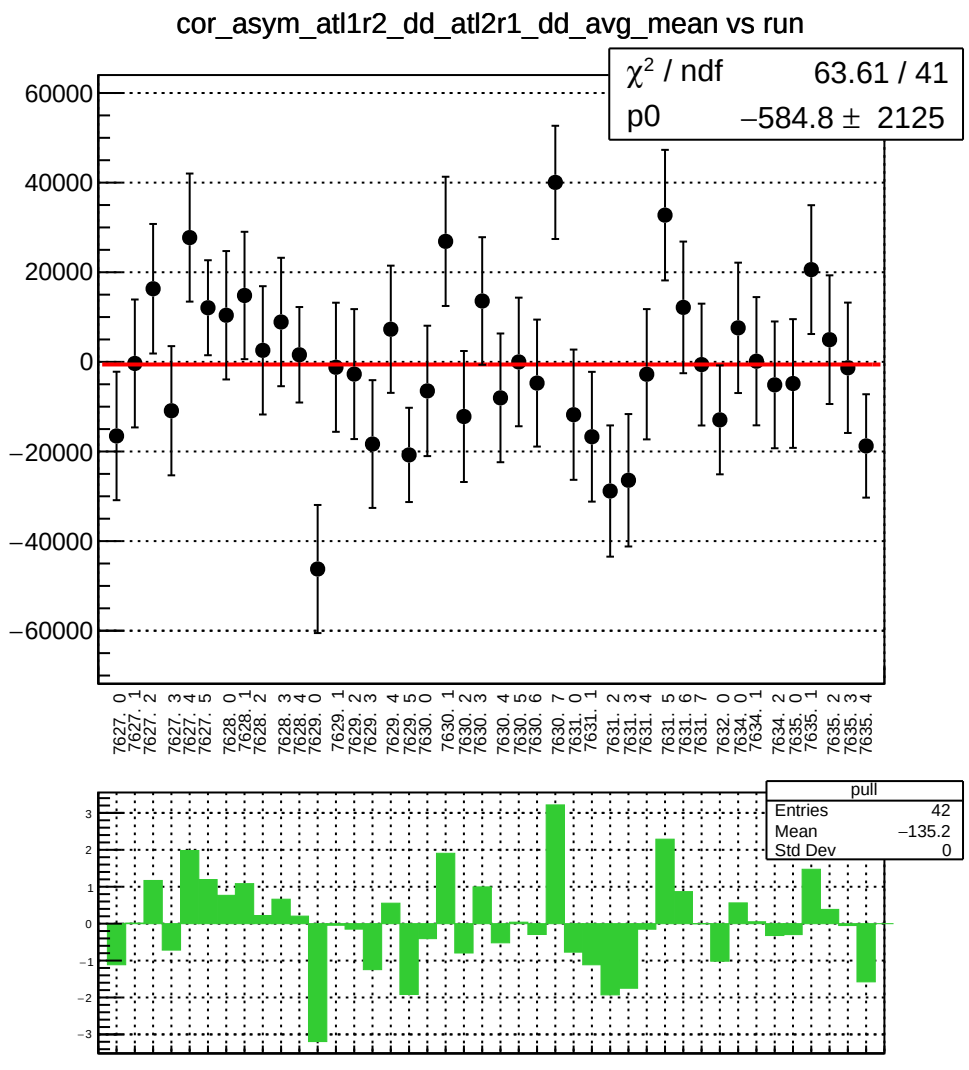

pull1D
Entries 42
Mean 0.006588
Std Dev 1.231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

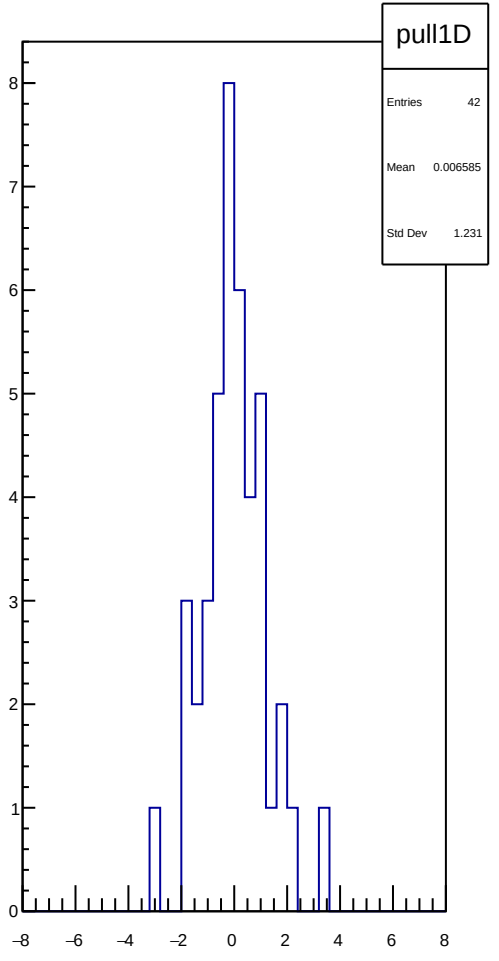

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 86.06 / 41
p0 1367 ± 1.503
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

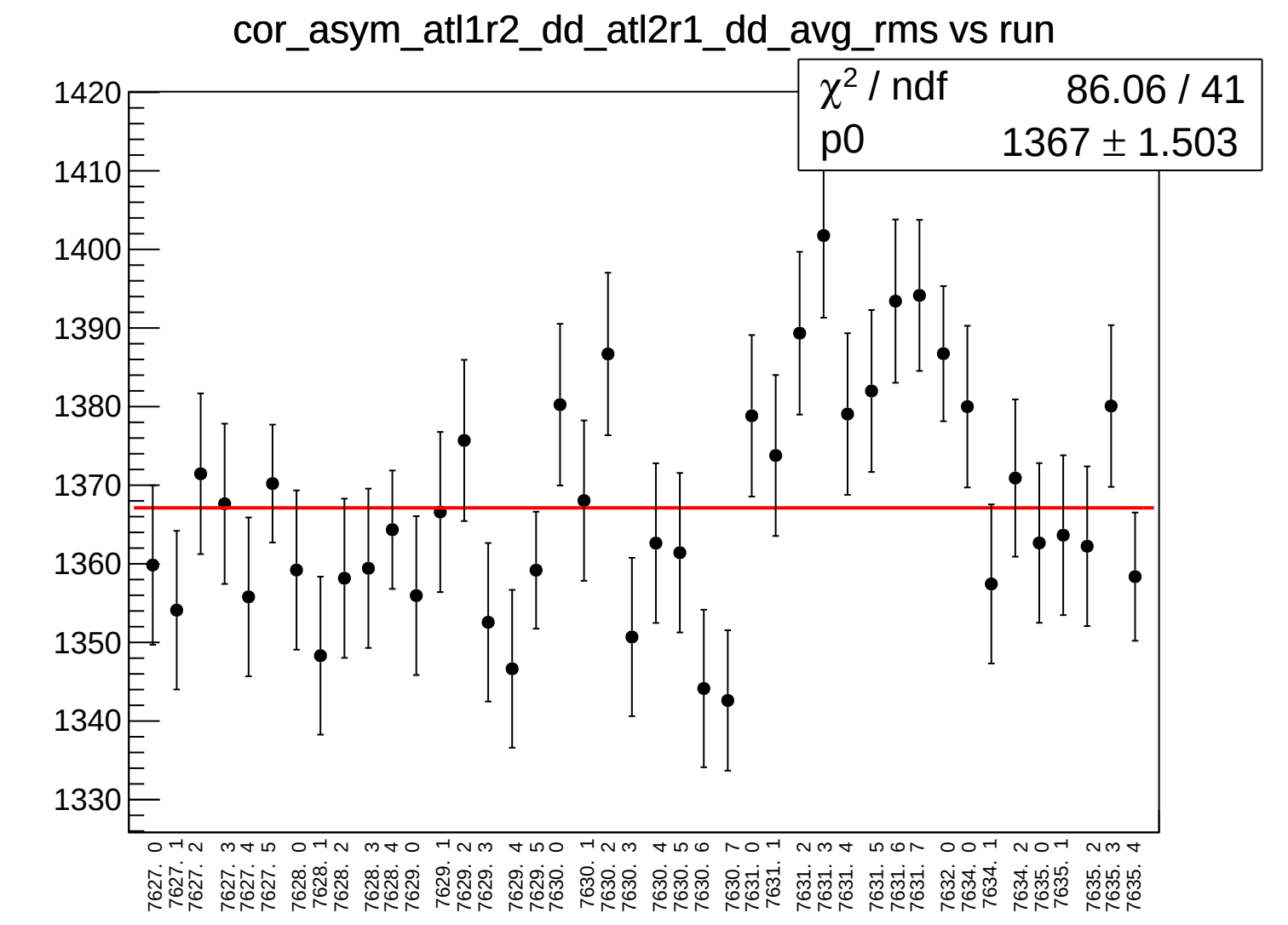

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 31.65 / 41
p0 −2647 ± 1498
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 619.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

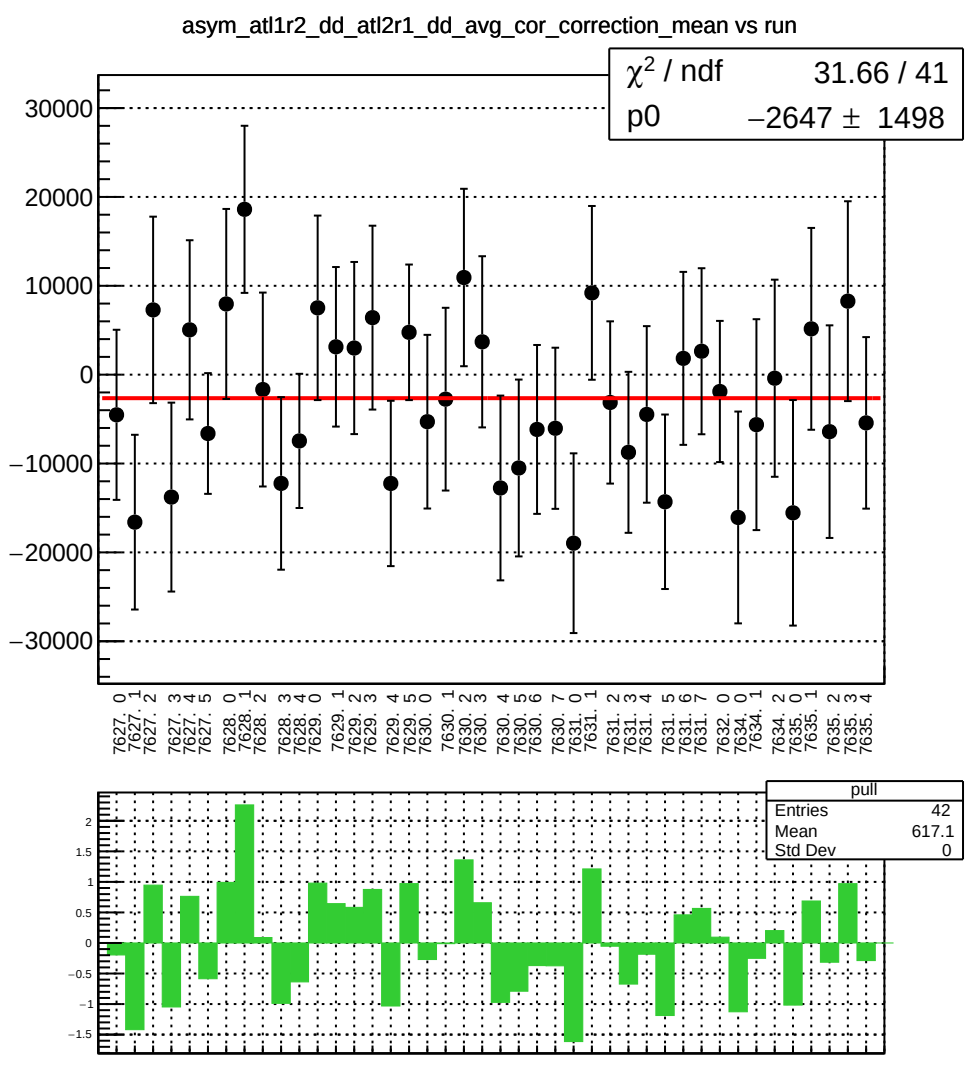

pull1D
Entries 42
Mean −0.001884
Std Dev 0.8681
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

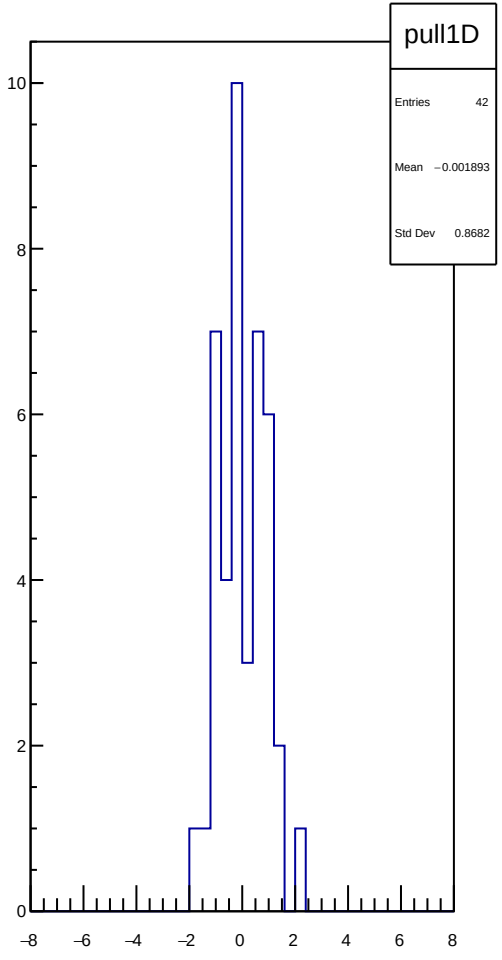

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 5263 / 41
p0 960.6 ± 1.059
1200
1150
1100
1050
1000
950
900
850
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

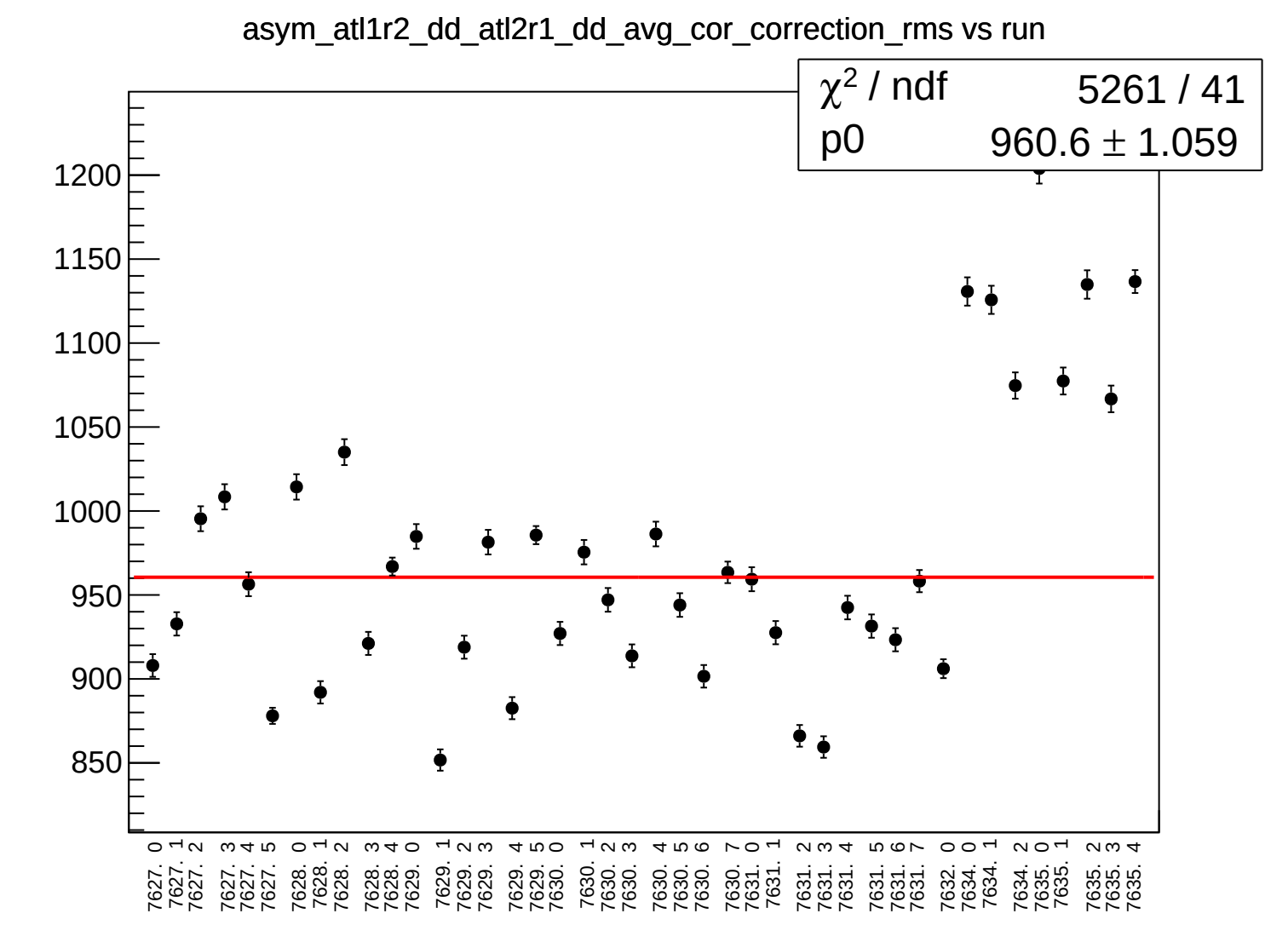

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 63.61 / 41
p0 −584.8 ± 2125
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −135.2
Std Dev 0
3
2
1
0
−1
−2
−3

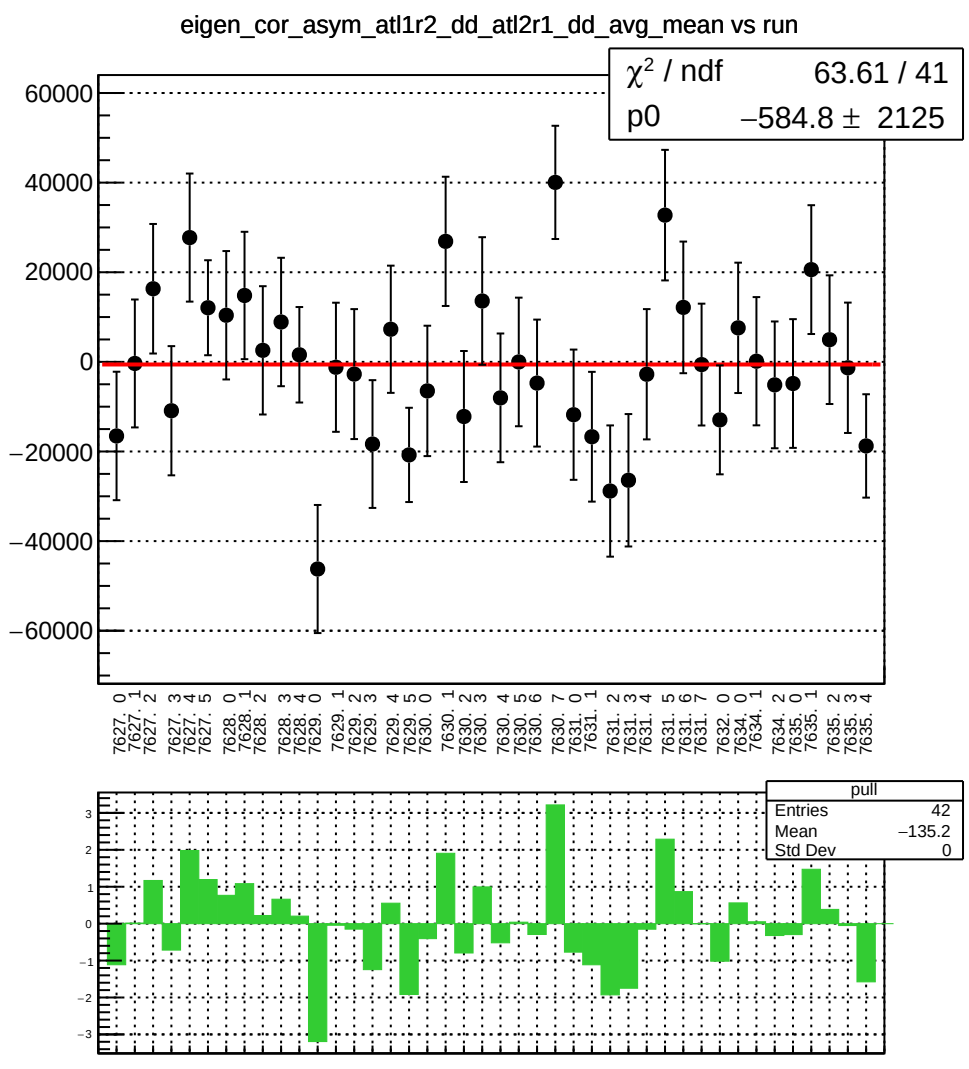

pull1D
Entries 42
Mean 0.006585
Std Dev 1.231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

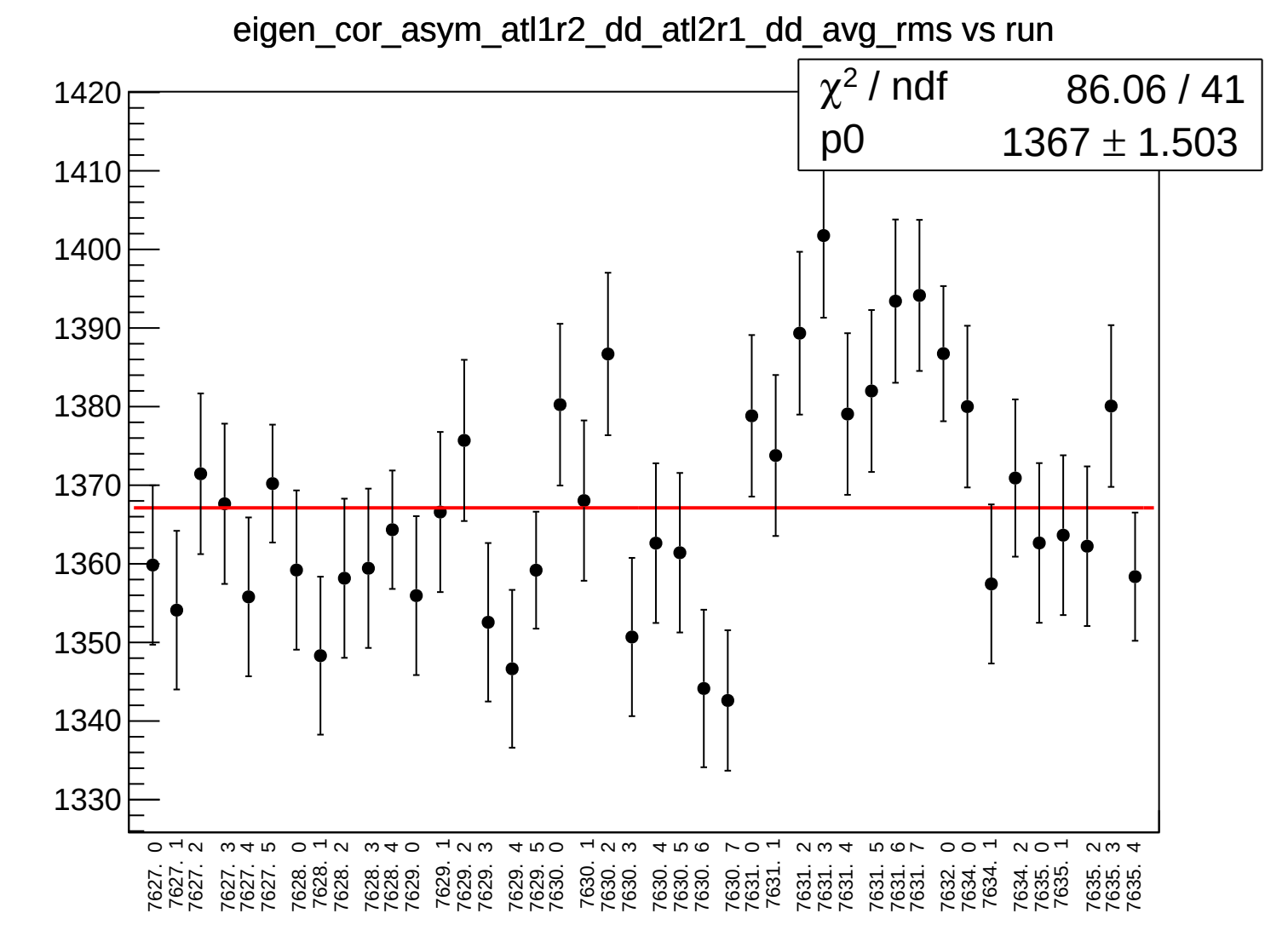

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 86.06 / 41
p0 1367 ± 1.503
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 31.66 / 41
p0 −2647 ± 1498
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 617.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.001893
Std Dev 0.8682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 5261 / 41
p0 960.6 ± 1.059
1200
1150
1100
1050
1000
950
900
850
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 63.61 / 41
p0 −584.8 ± 2125
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −135.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.006585
Std Dev 1.231
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 86.06 / 41
p0 1367 ± 1.503
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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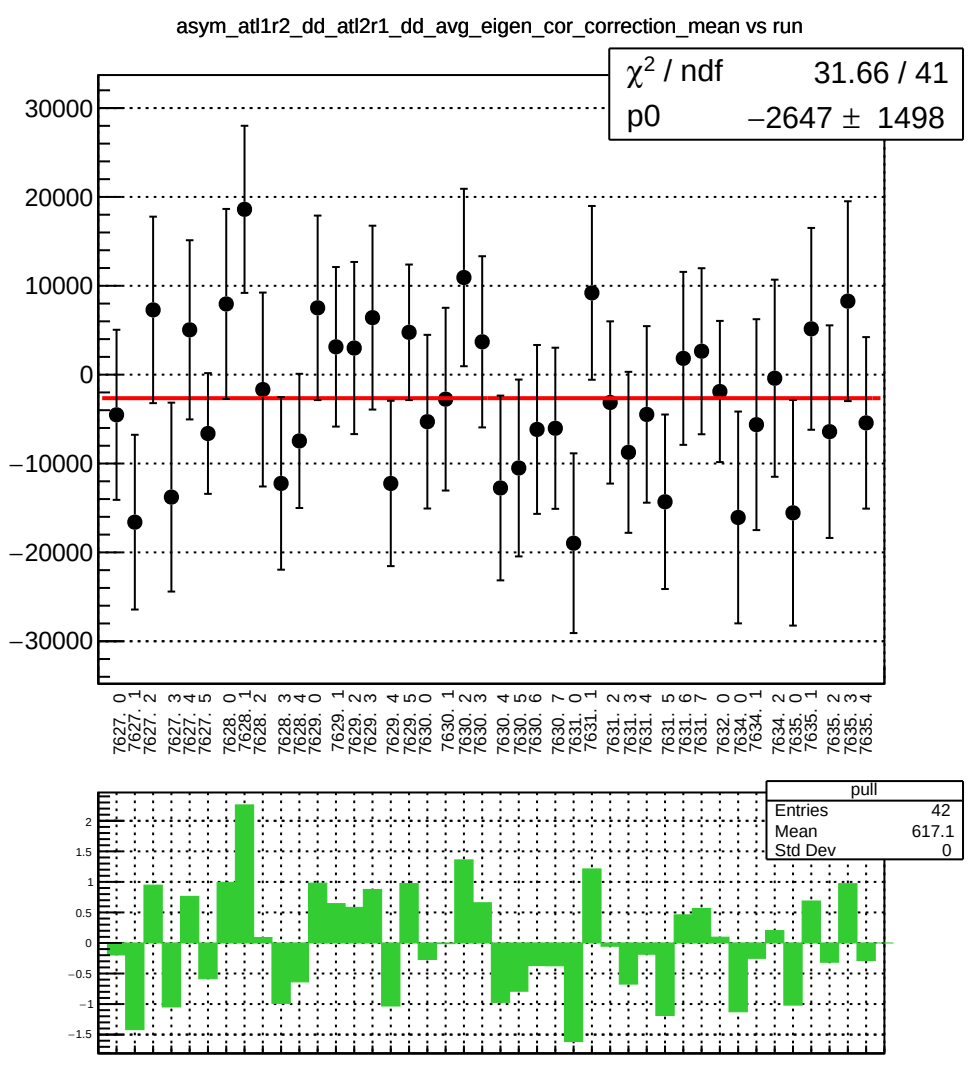
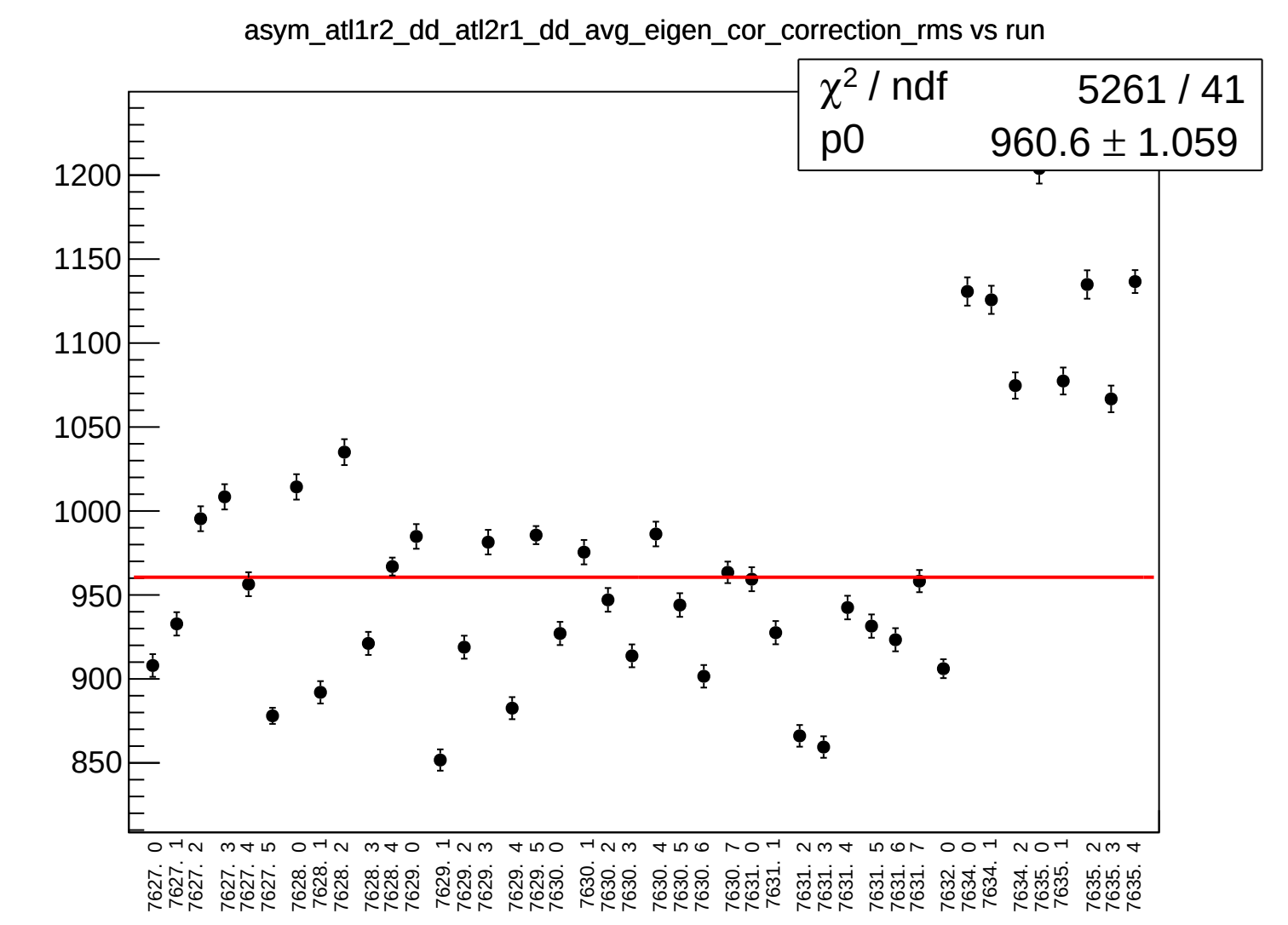
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 31.66 / 41
p0 −2647 ± 1498
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 617.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.001893
Std Dev 0.8682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5261 / 41
p0 960.6 ± 1.059
1200
1150
1100
1050
1000
950
900
850
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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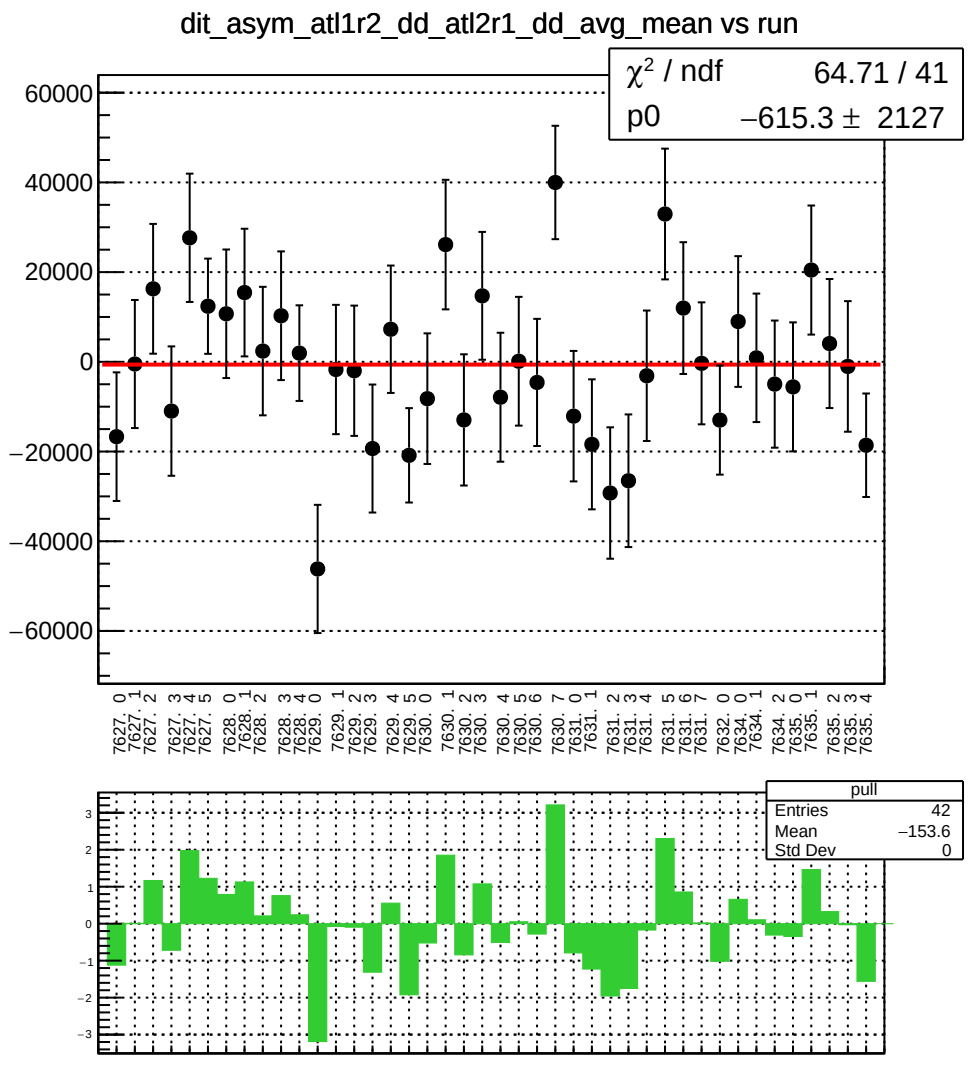
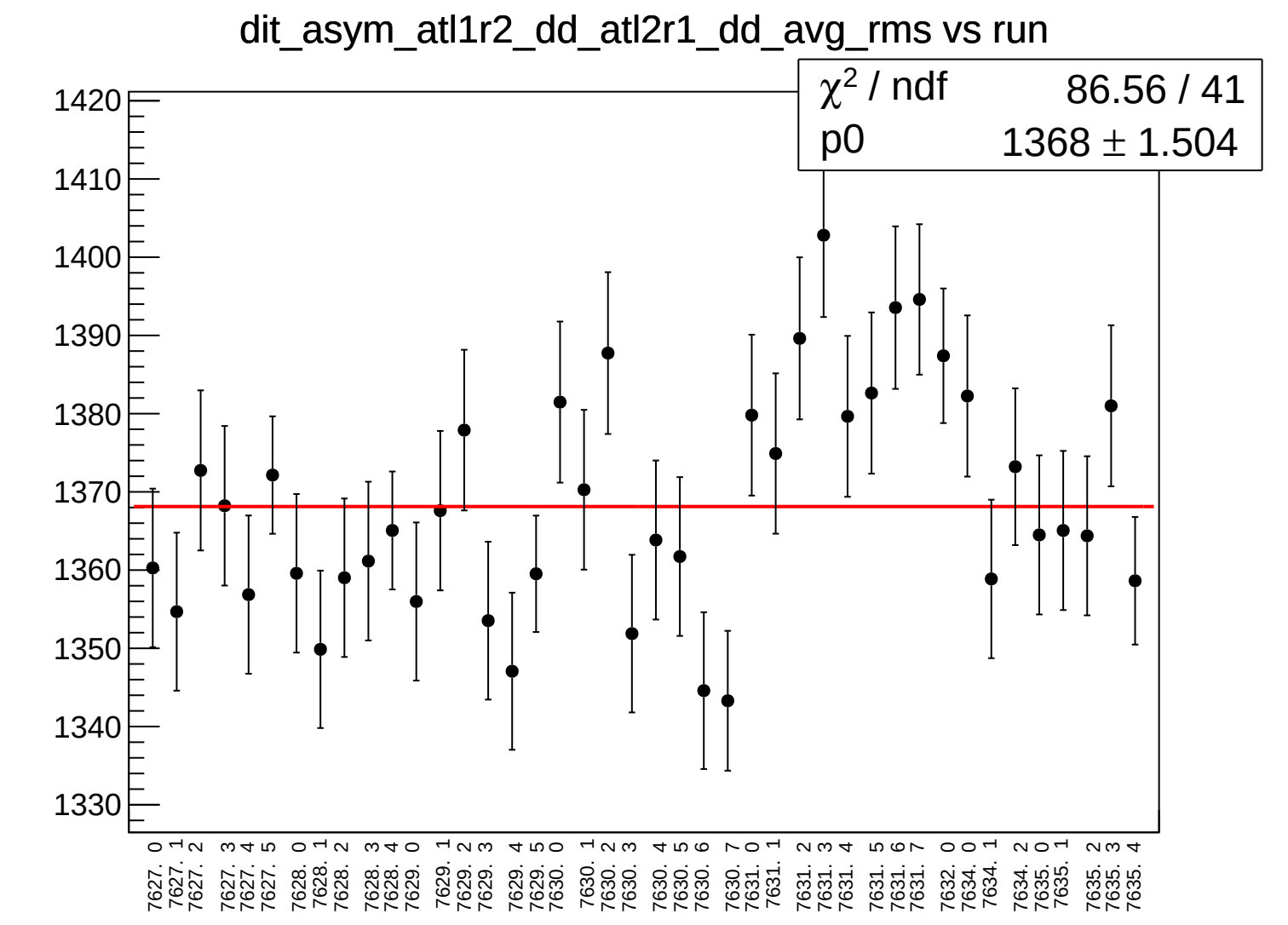
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 64.71 / 41
p0 −615.3 ± 2127
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −153.6
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.00606
Std Dev 1.241
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 86.56 / 41
p0 1368 ± 1.504
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
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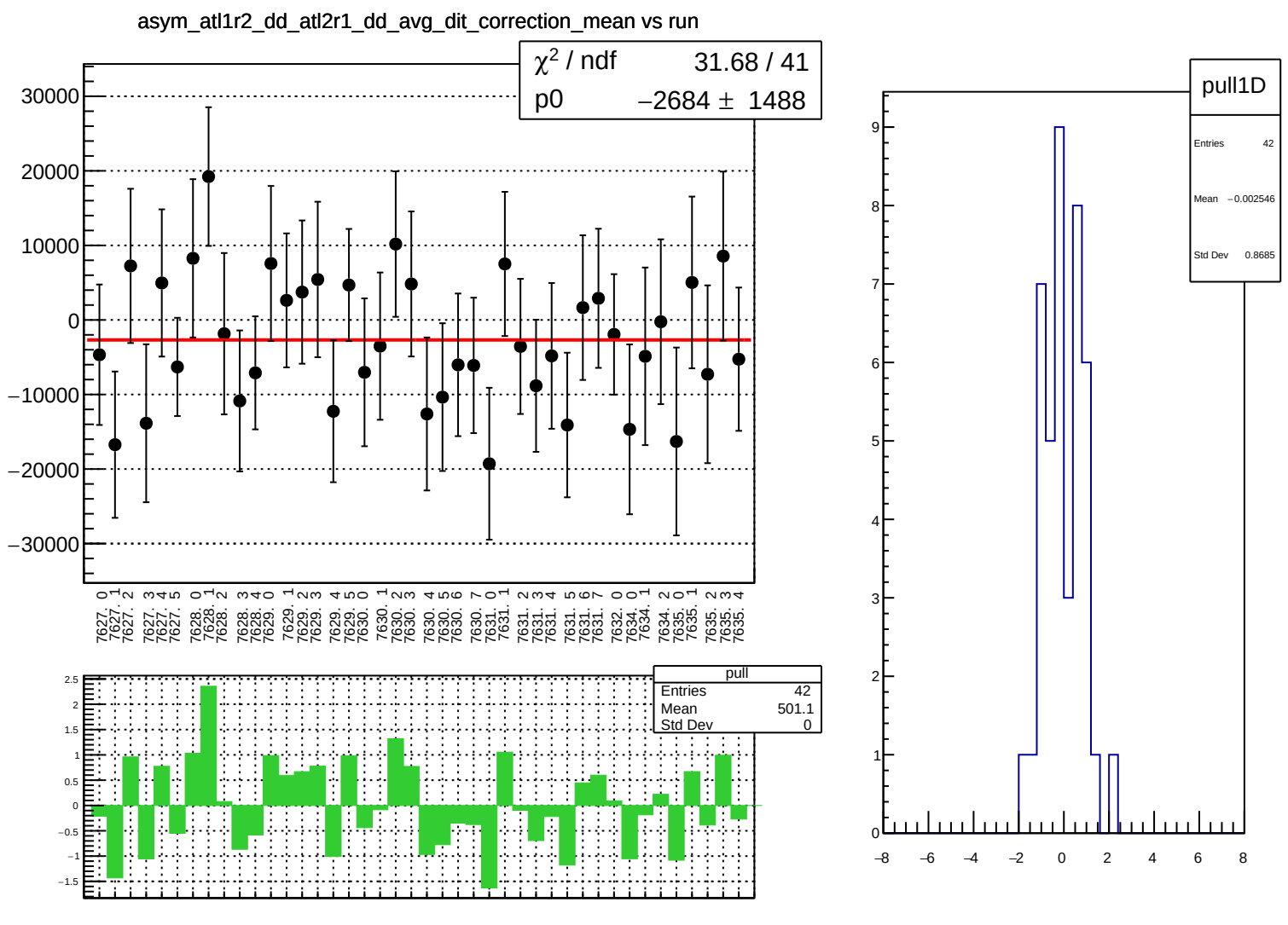
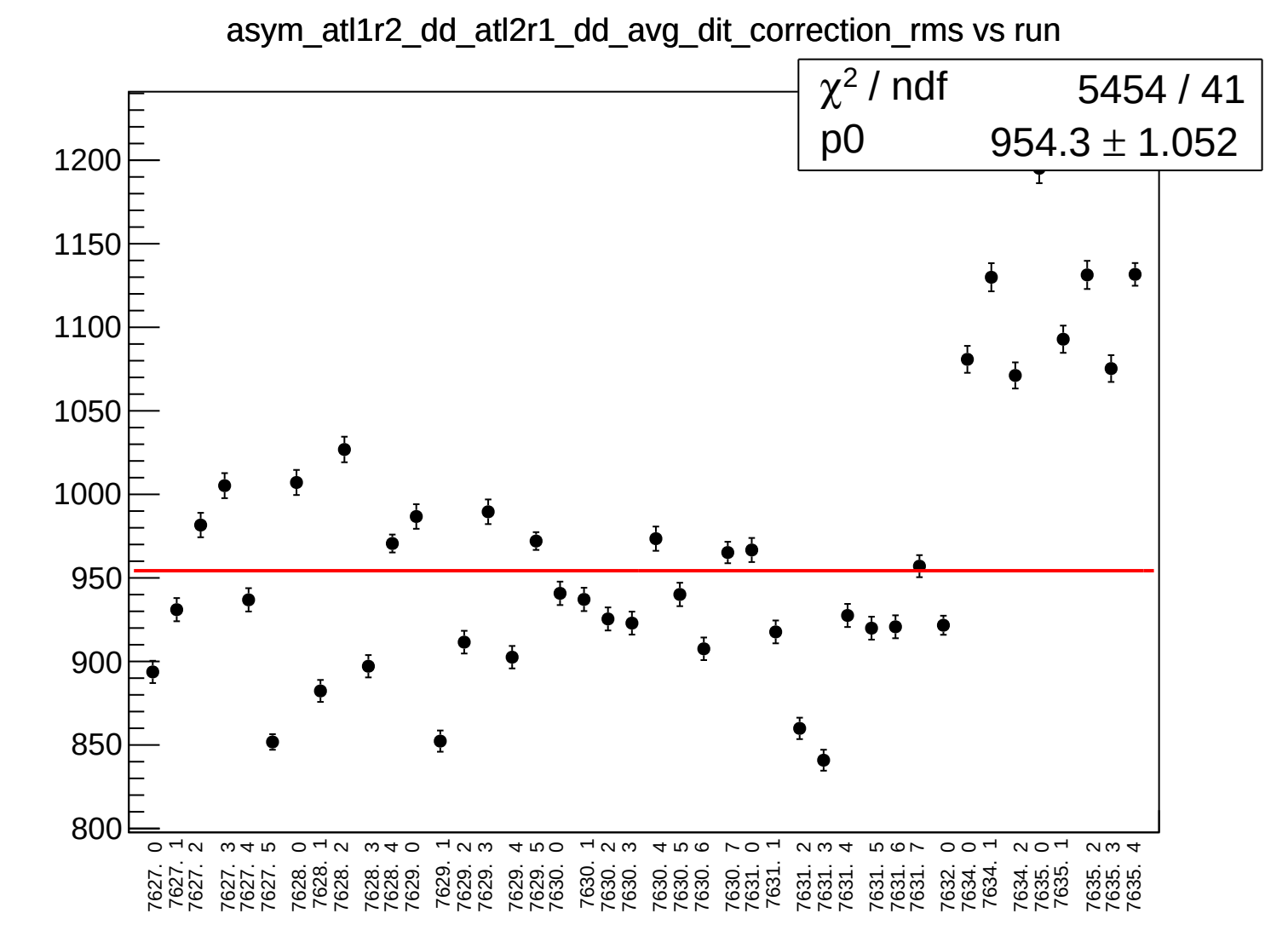
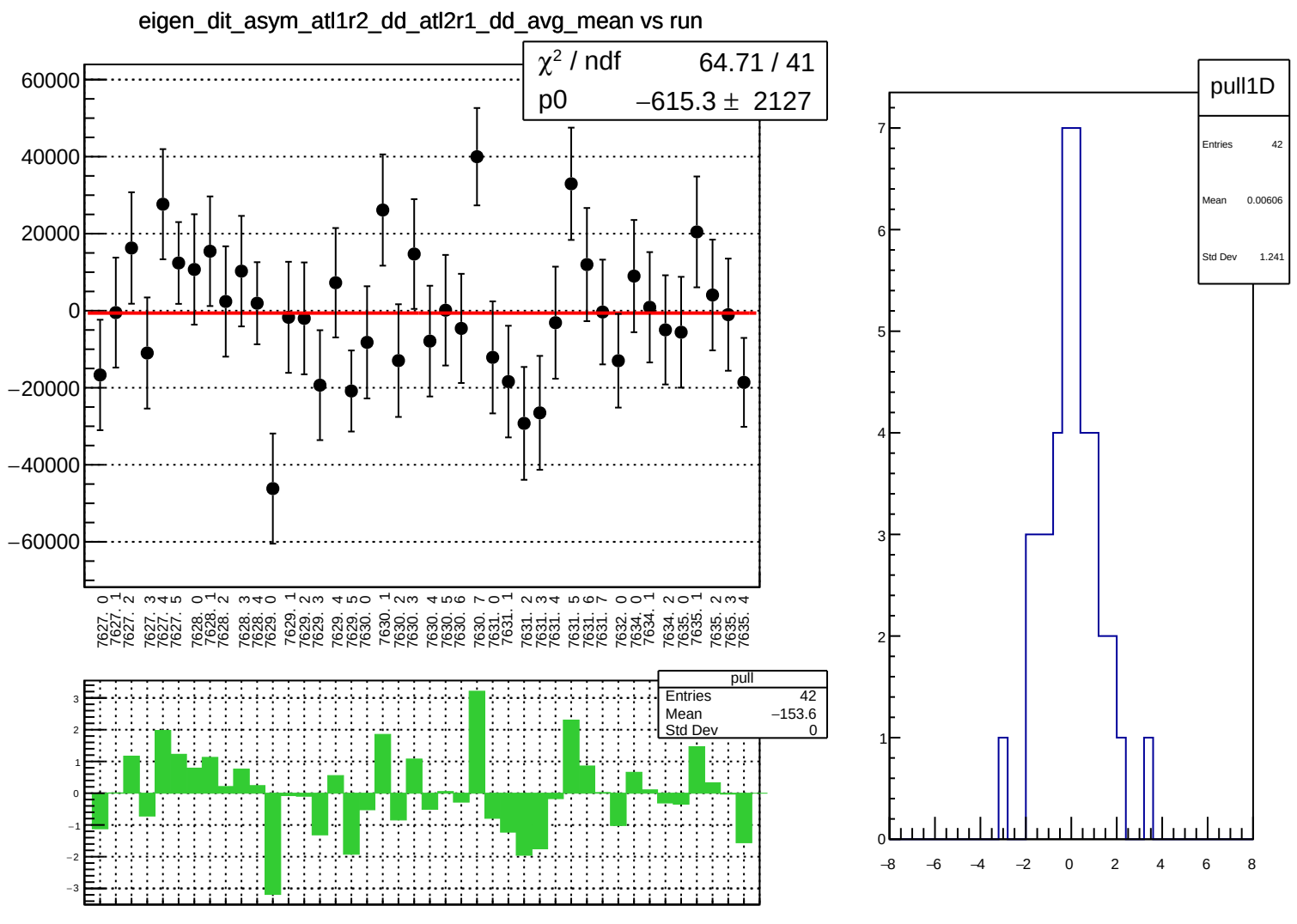
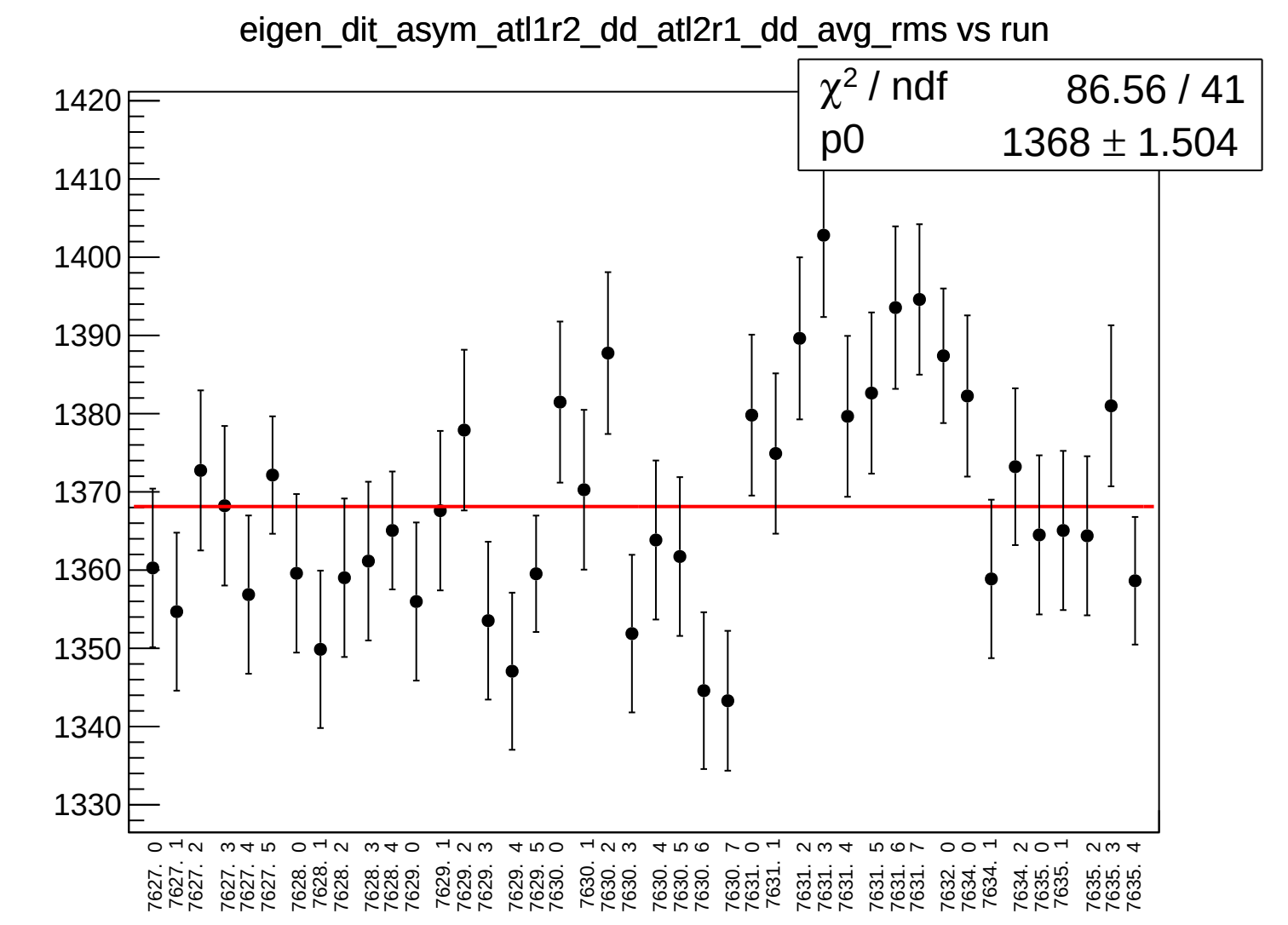
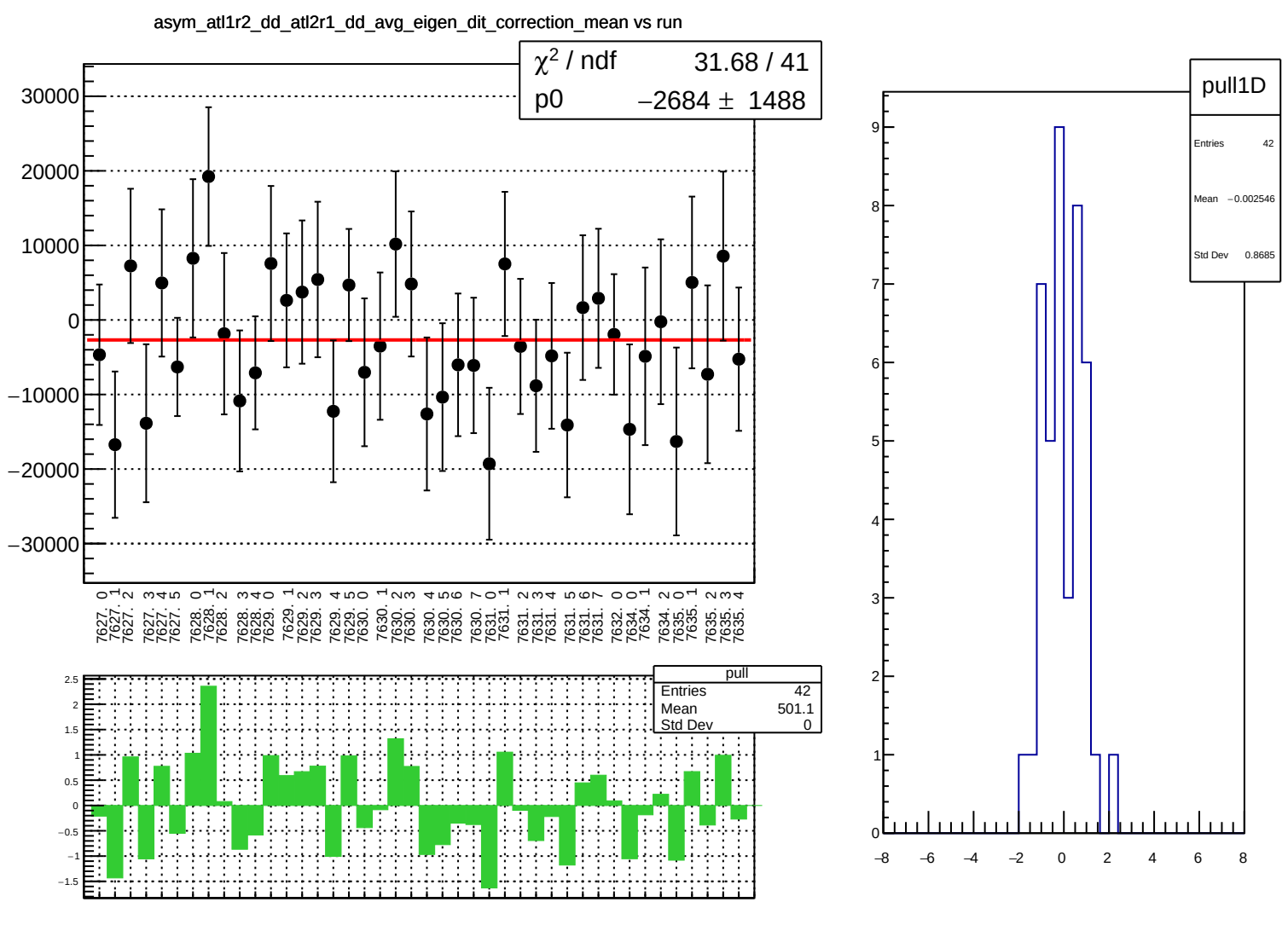
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

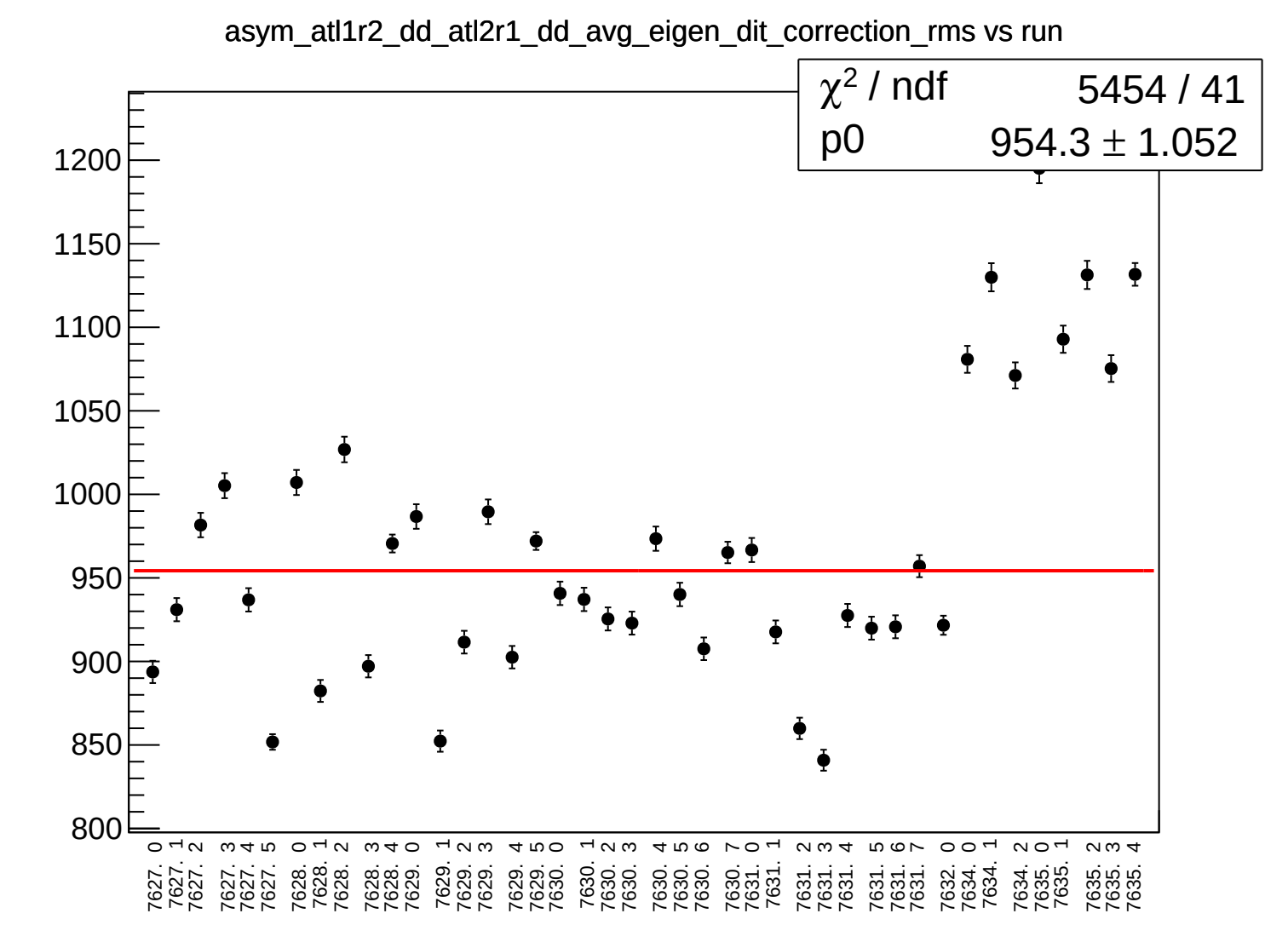

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 31.68 / 41
p0 −2684 ± 1488
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 501.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.002546
Std Dev 0.8685
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

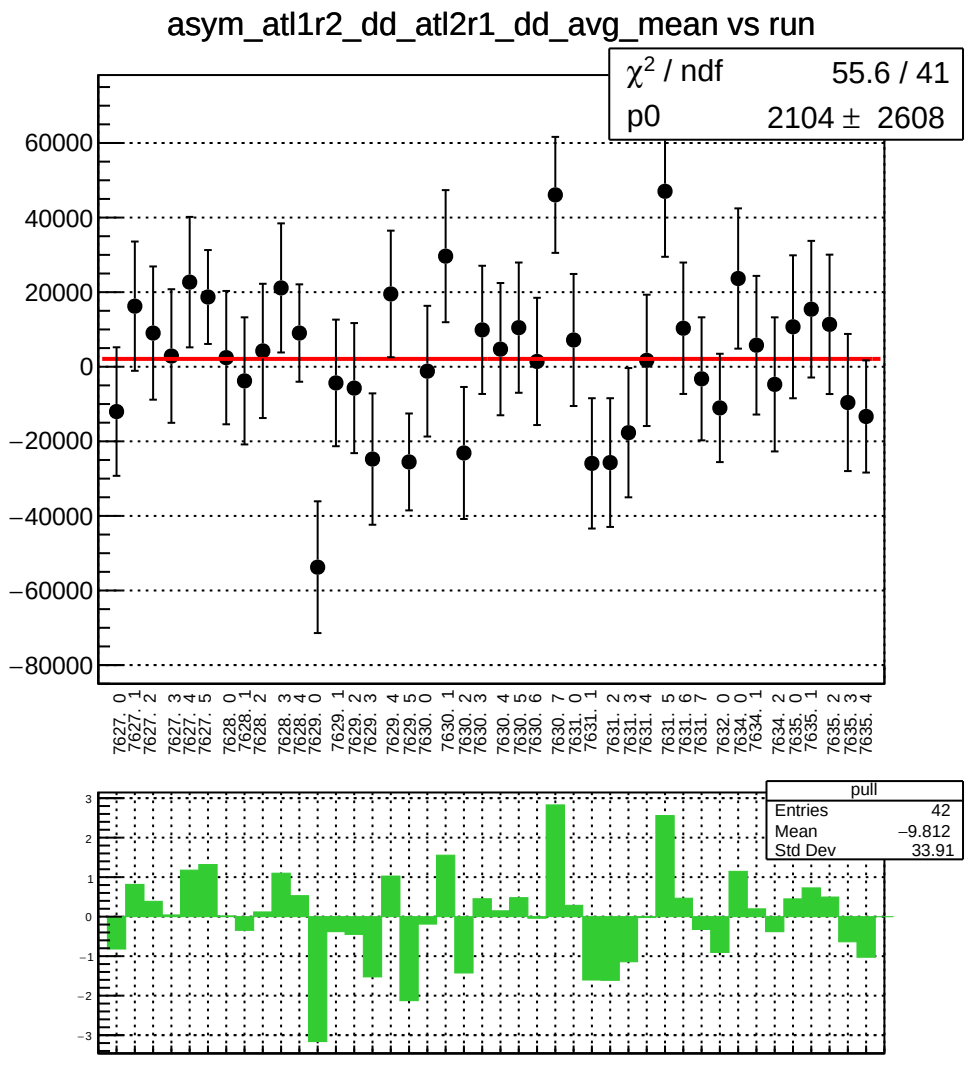

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 5454 / 41
p0 954.3 ± 1.052
1200
1150
1100
1050
1000
950
900
850
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

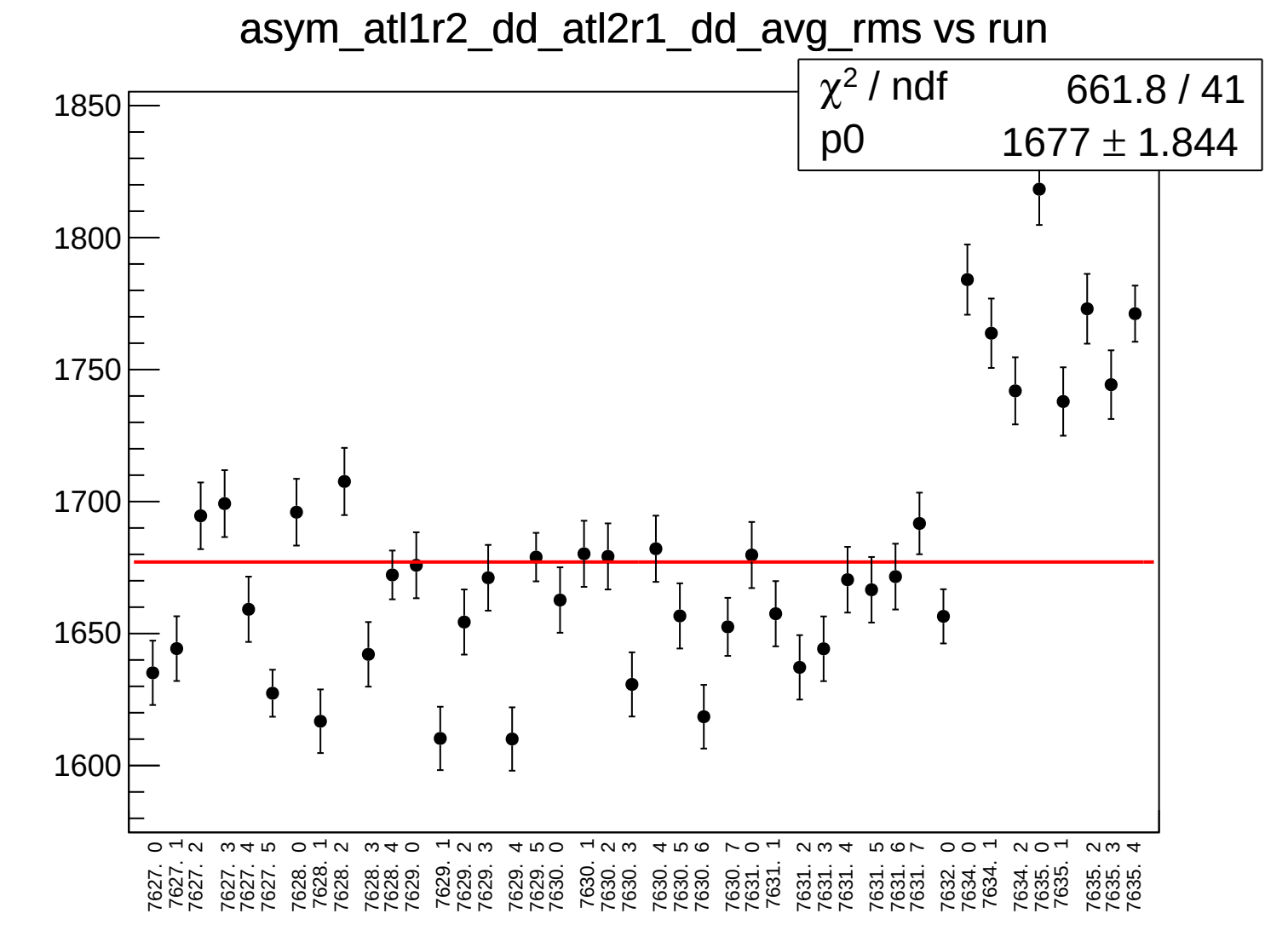

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 64.71 / 41
p0 −615.3 ± 2127
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −153.6
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.00606
Std Dev 1.241
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

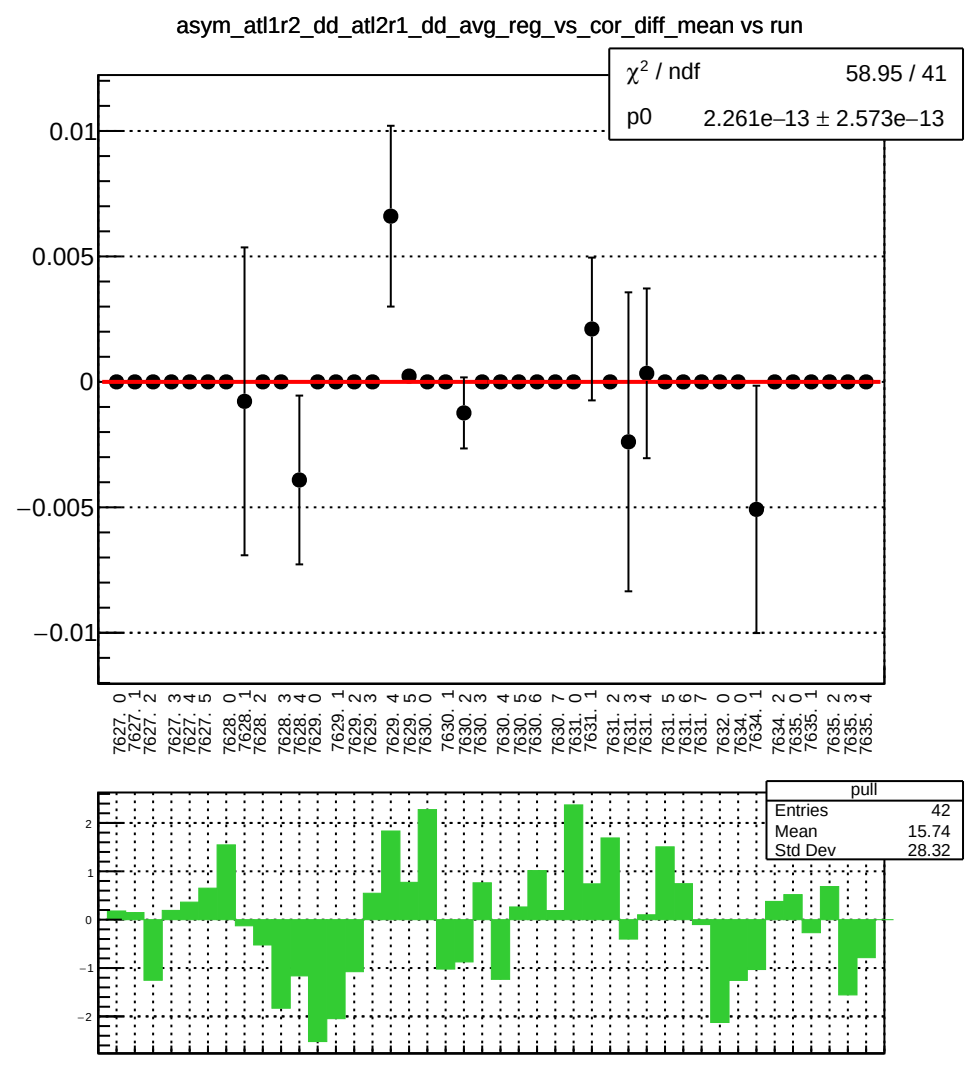

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 86.56 / 41
p0 1368 ± 1.504
1420
1410
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

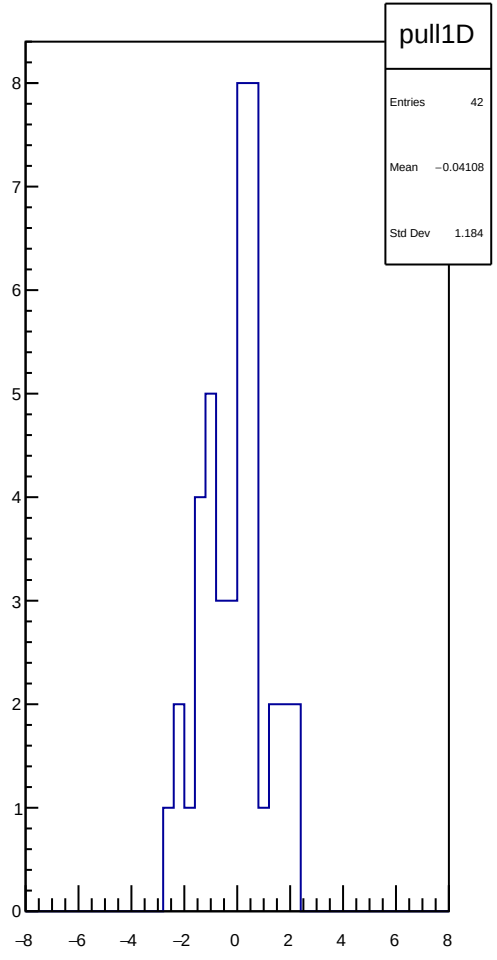

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.68 / 41
p0 −2684 ± 1488
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 501.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.002546
Std Dev 0.8685
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

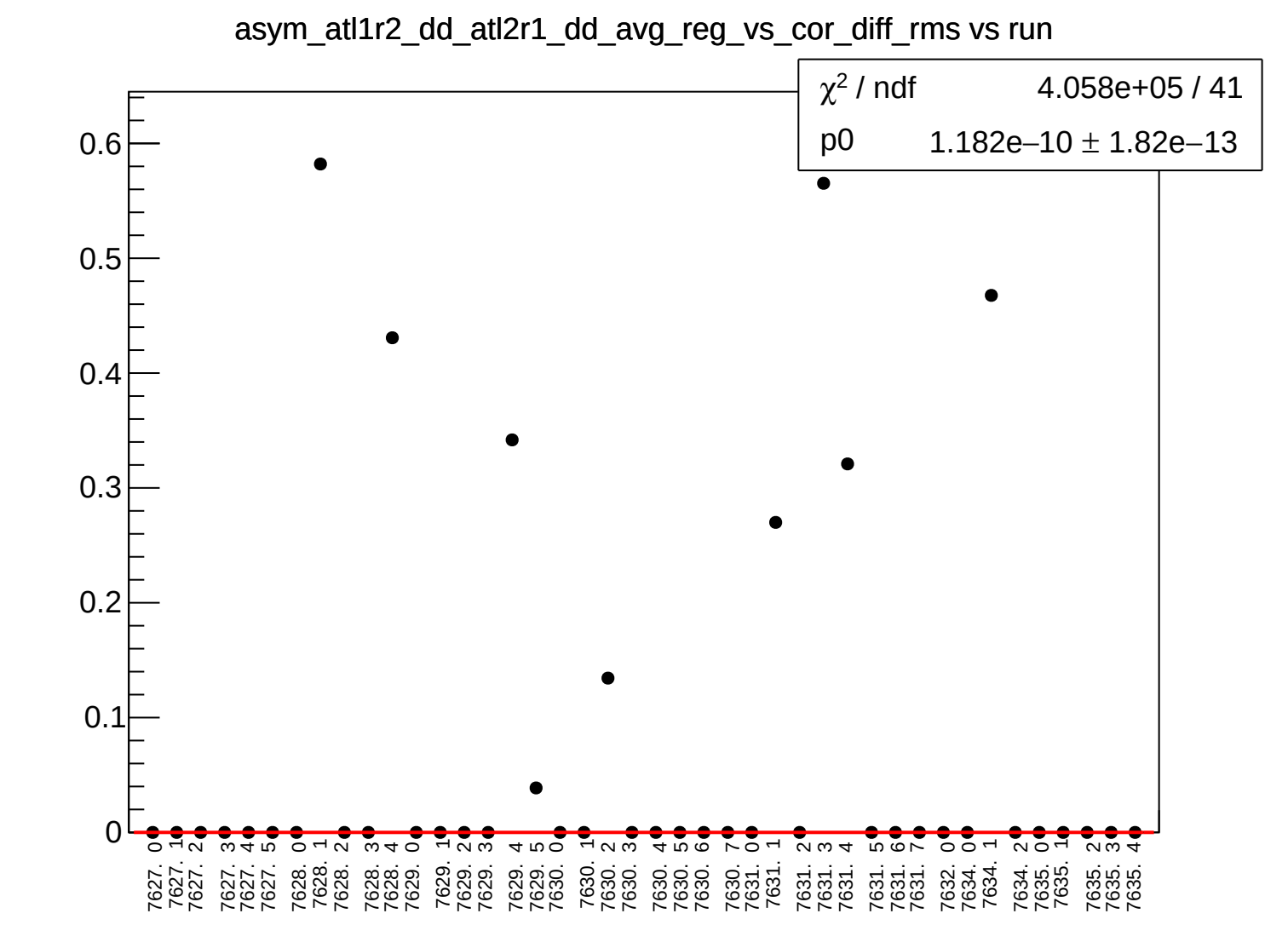

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5454 / 41
p0 954.3 ± 1.052
1200
1150
1100
1050
1000
950
900
850
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 55.6 / 41
p0 2104 ± 2608
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.812
Std Dev 33.91
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.005217
Std Dev 1.151
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

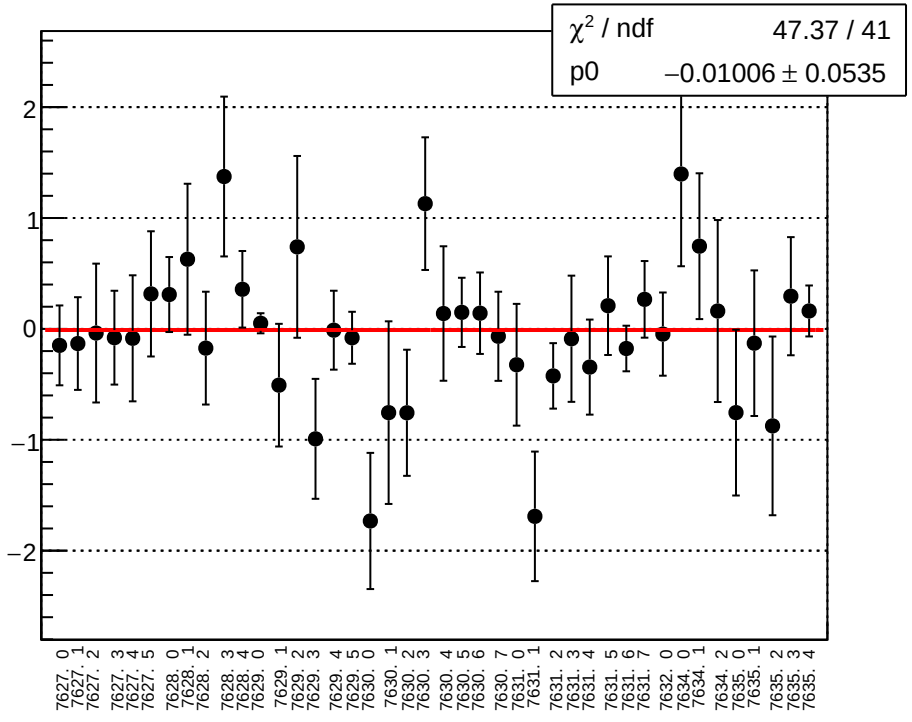

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 661.8 / 41
p0 1677 ± 1.844
1850
1800
1750
1700
1650
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

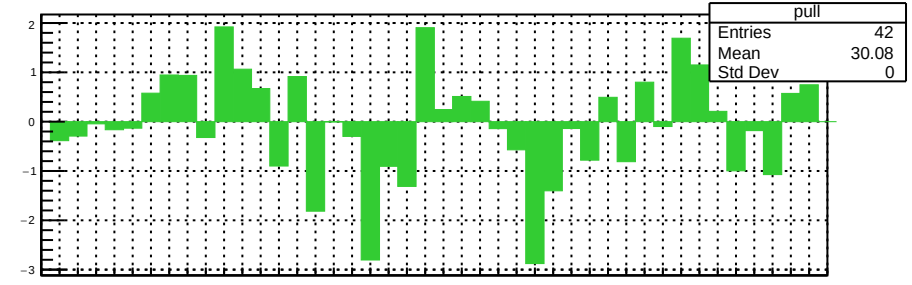

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.95 / 41
p0 2.261e−13 ± 2.573e−13
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.74
Std Dev 28.32
2
1
0
−1
−2

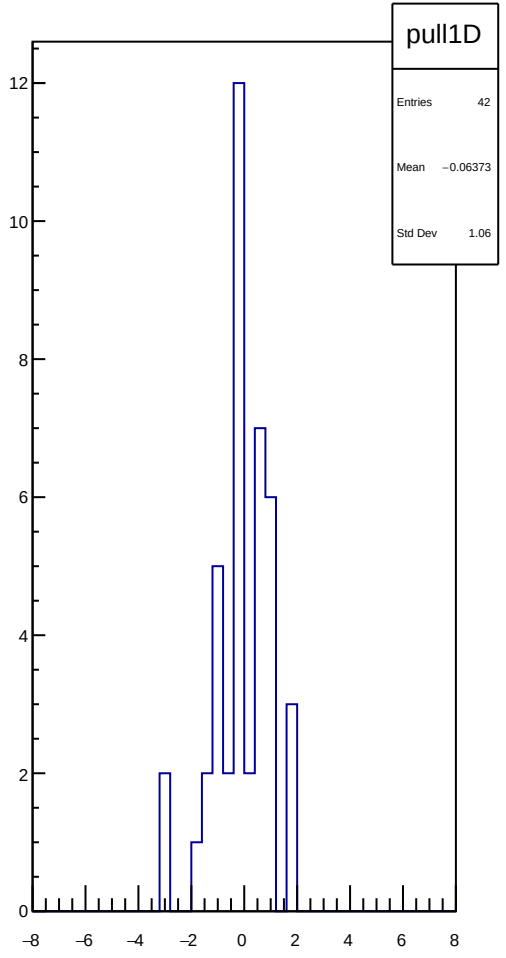

pull1D
Entries 42
Mean −0.04108
Std Dev 1.184
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

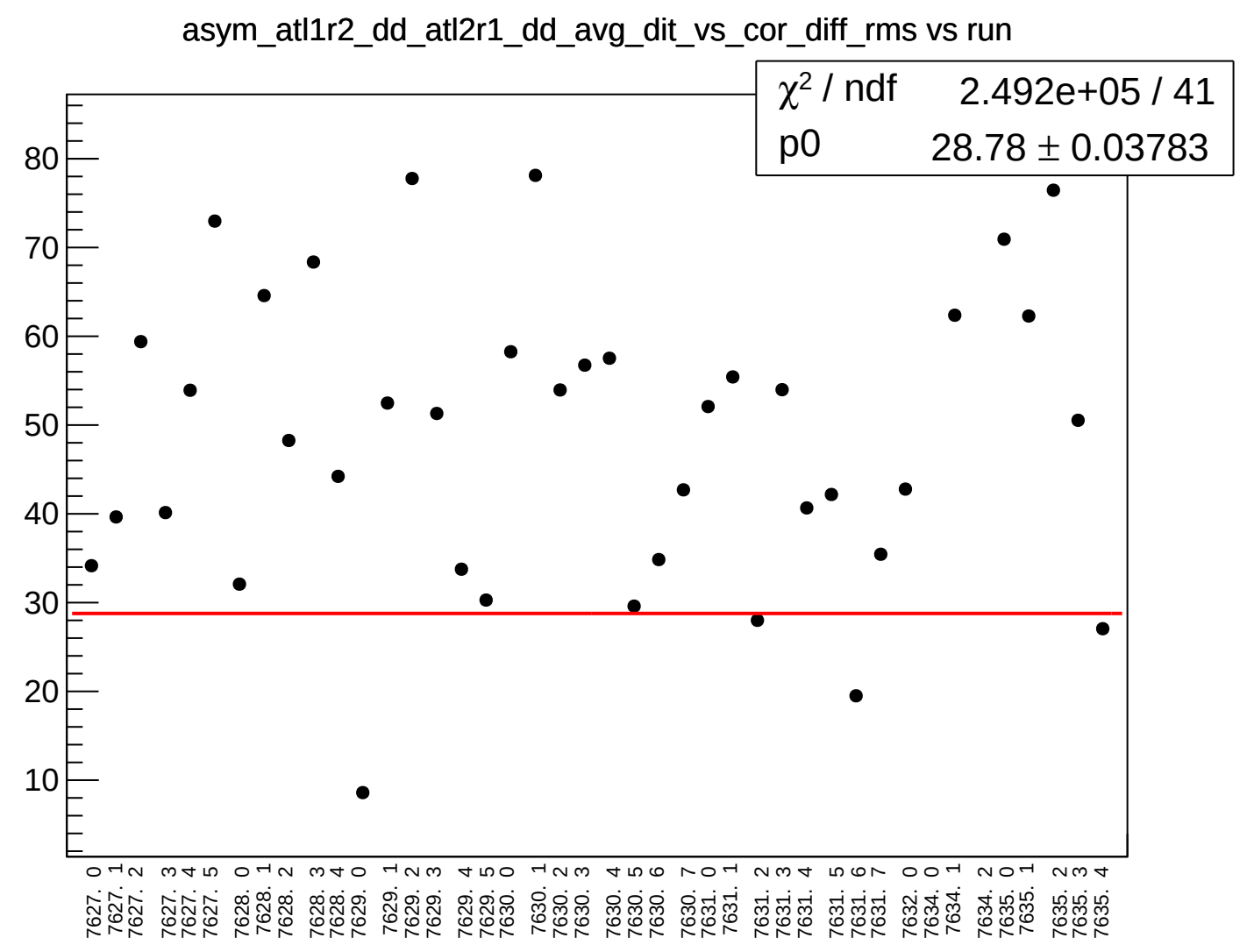

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.058e+05 / 41
p0 1.182e−10 ± 1.82e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

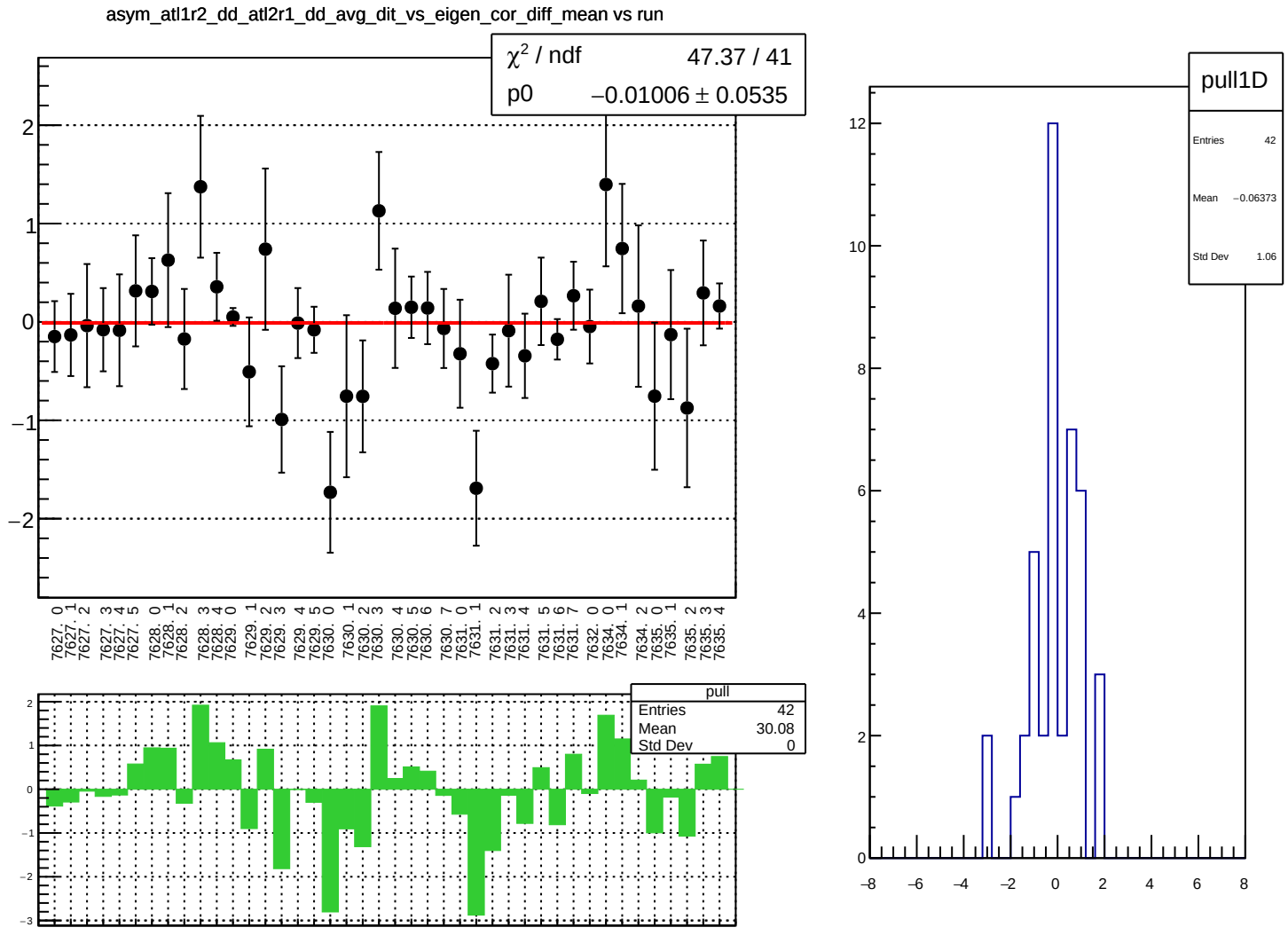
asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run

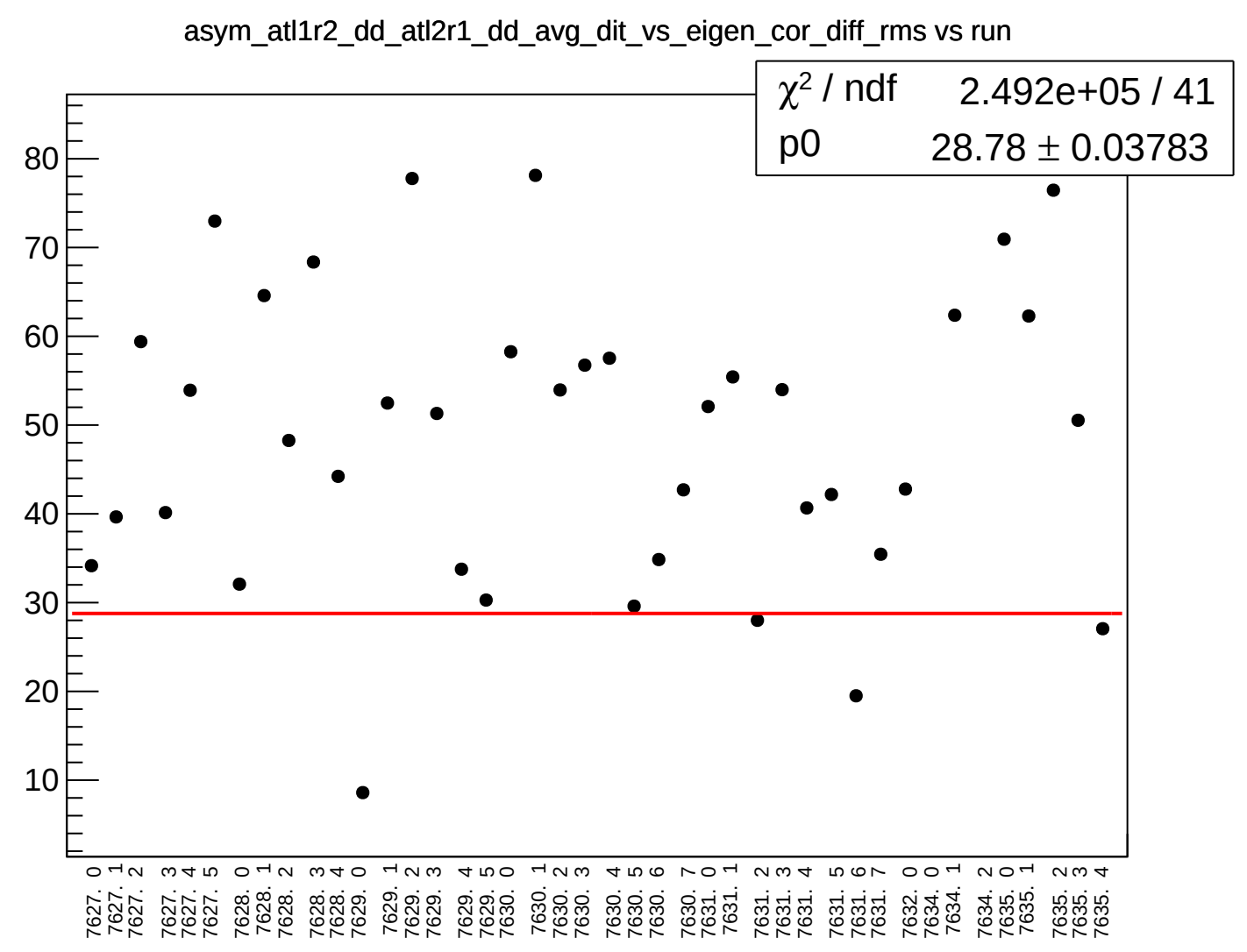


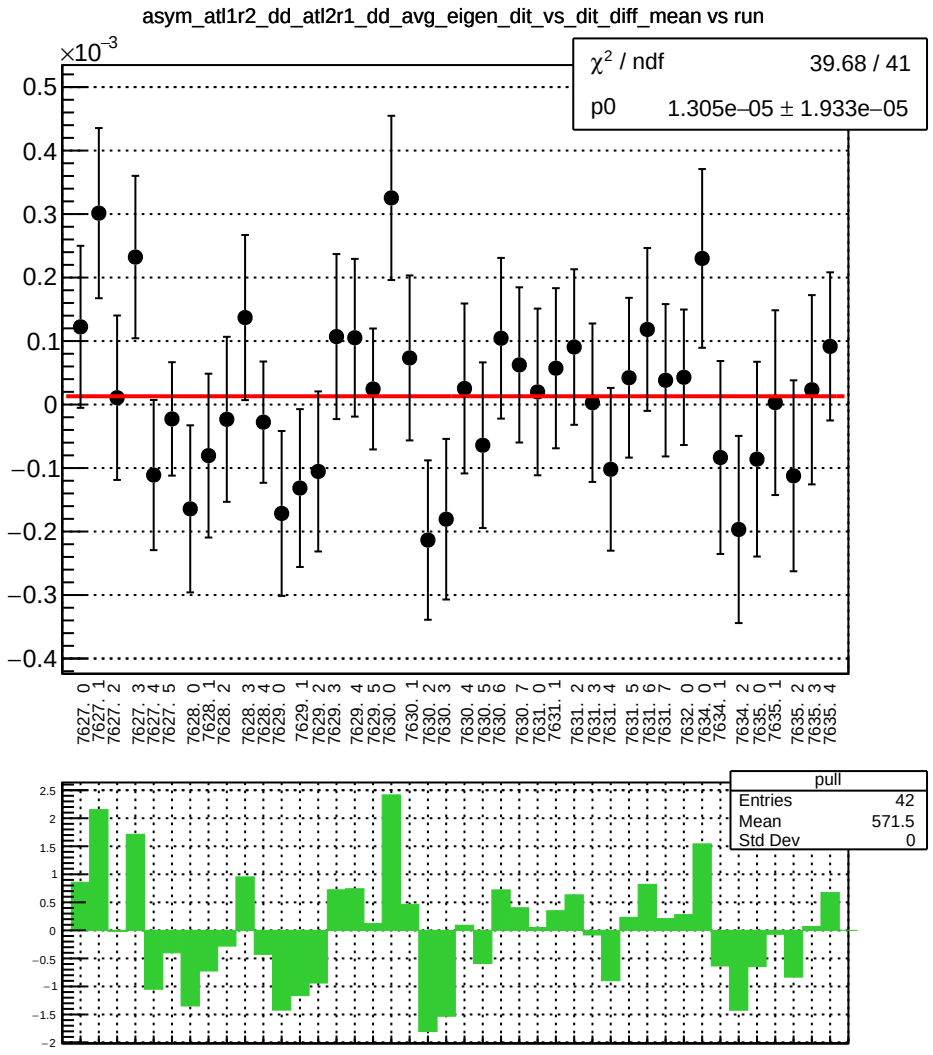


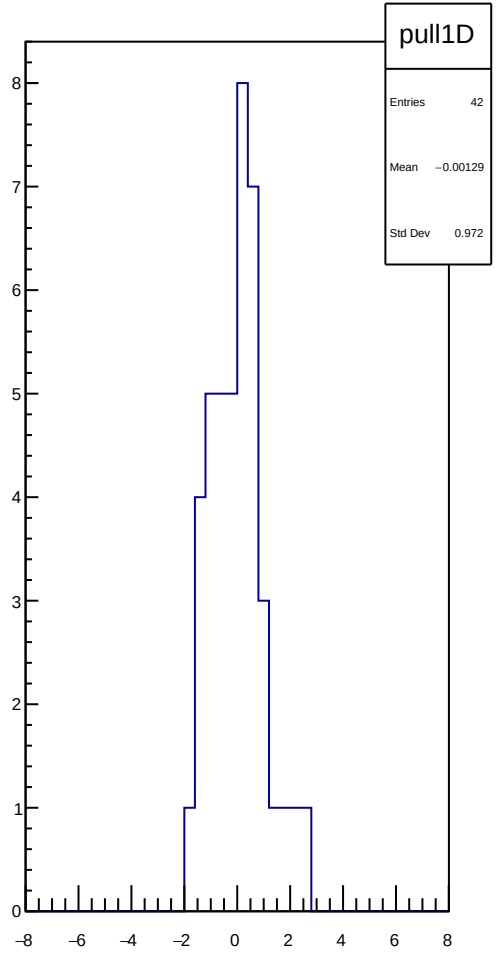


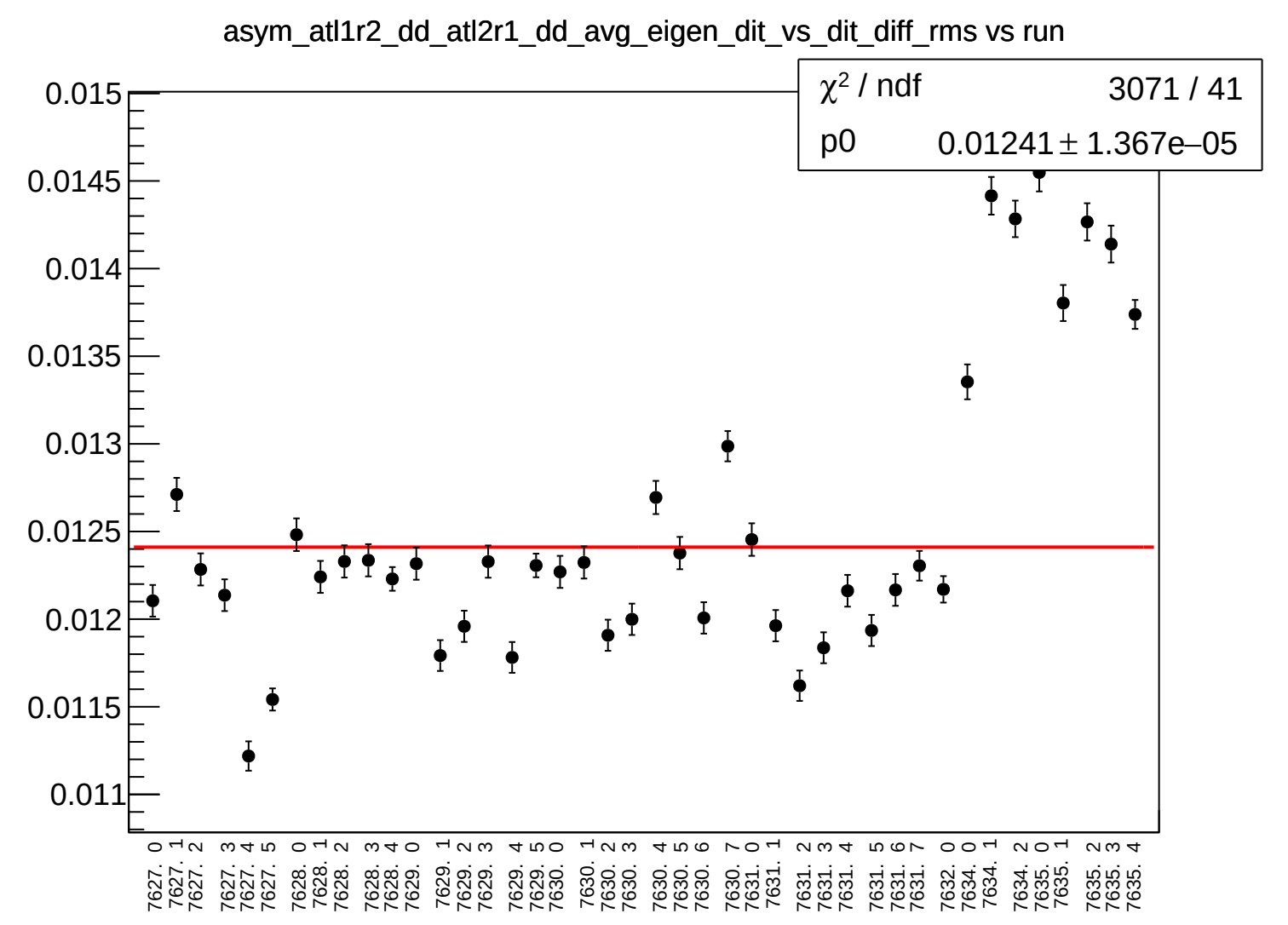

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.492e+05 / 41
p0 28.78 ± 0.03783
80
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

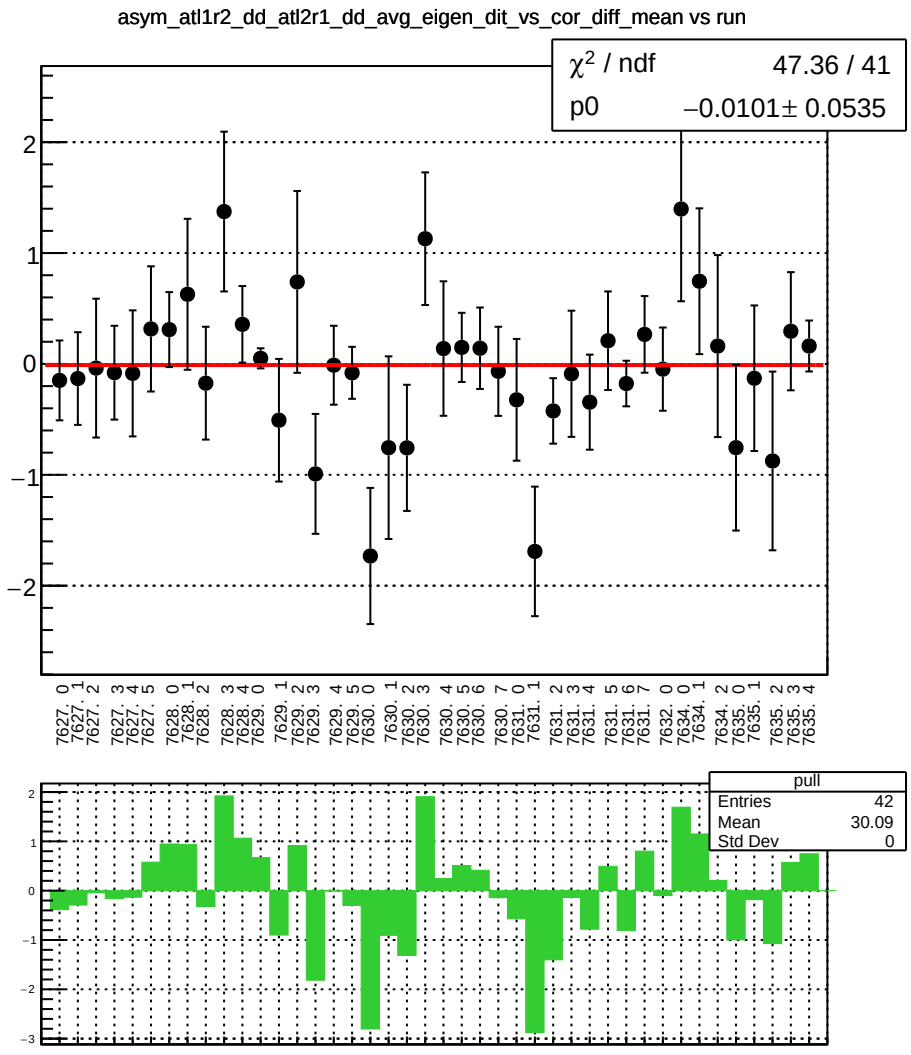

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.37 / 41
p0 −0.01006 ± 0.0535
pull
Entries 42
Mean 30.08
Std Dev 0
pull1D
Entries 42
Mean −0.06373
Std Dev 1.06

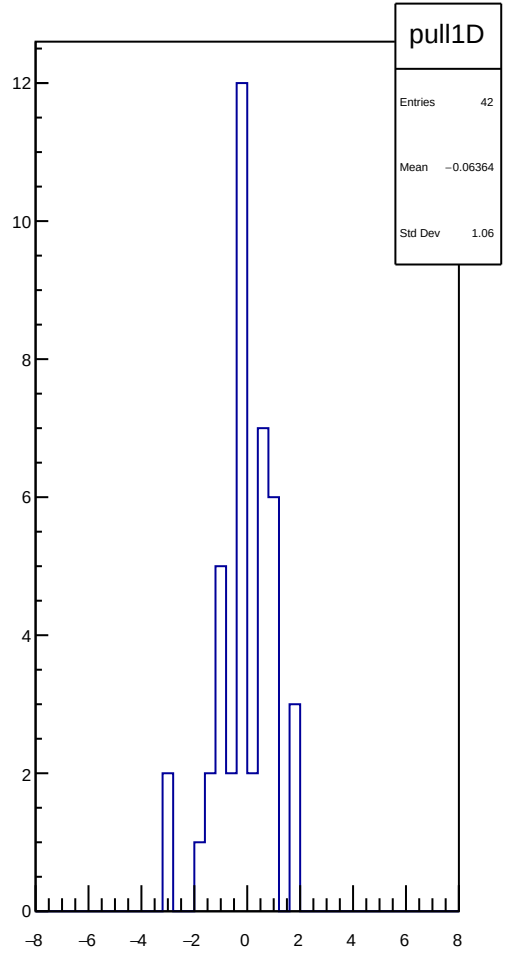

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.492e+05 / 41
p0 28.78 ± 0.03783
80
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

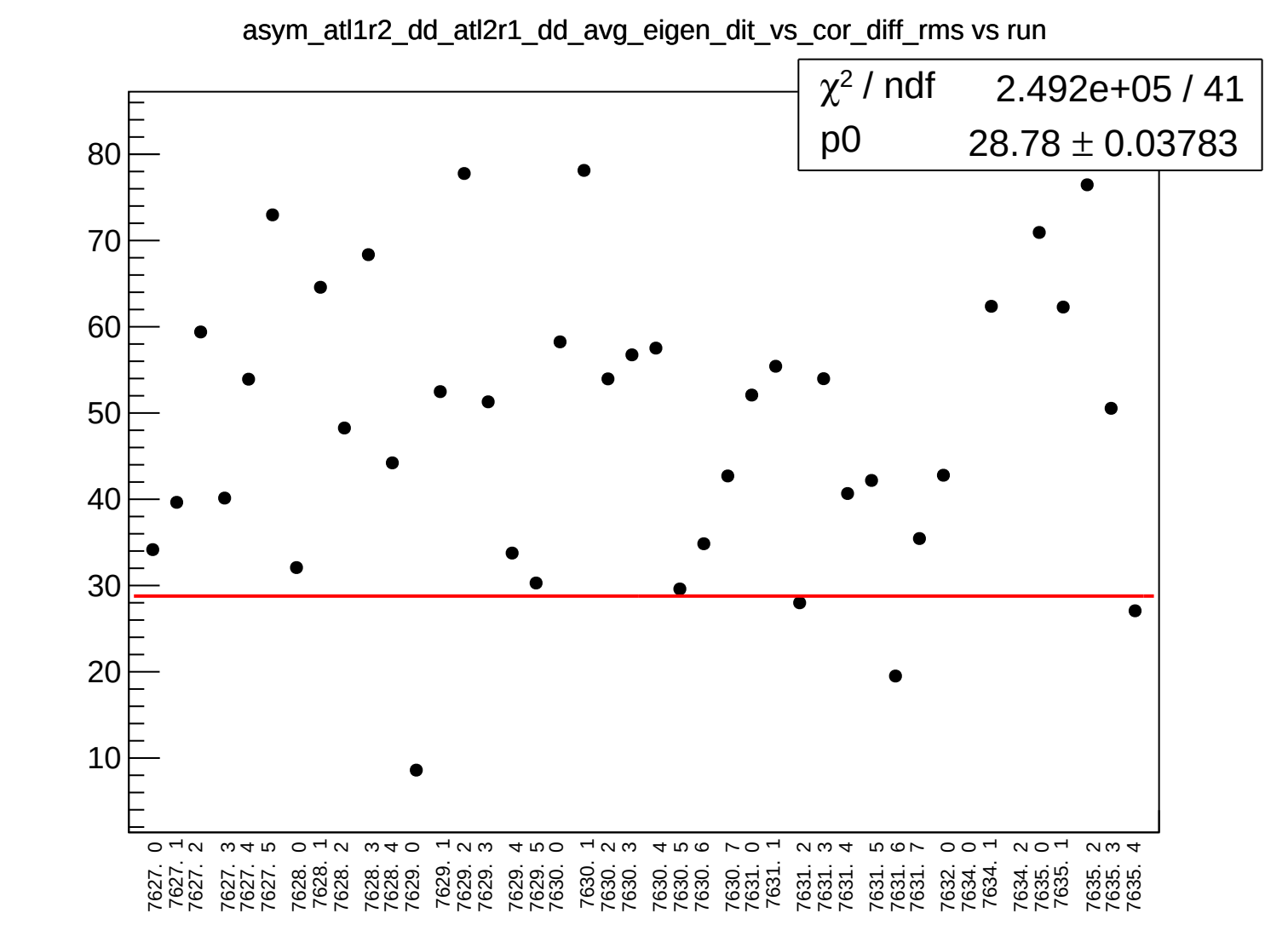

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.68 / 41
p0 1.305e−05 ± 1.933e−05
pull
Entries 42
Mean 571.5
Std Dev 0

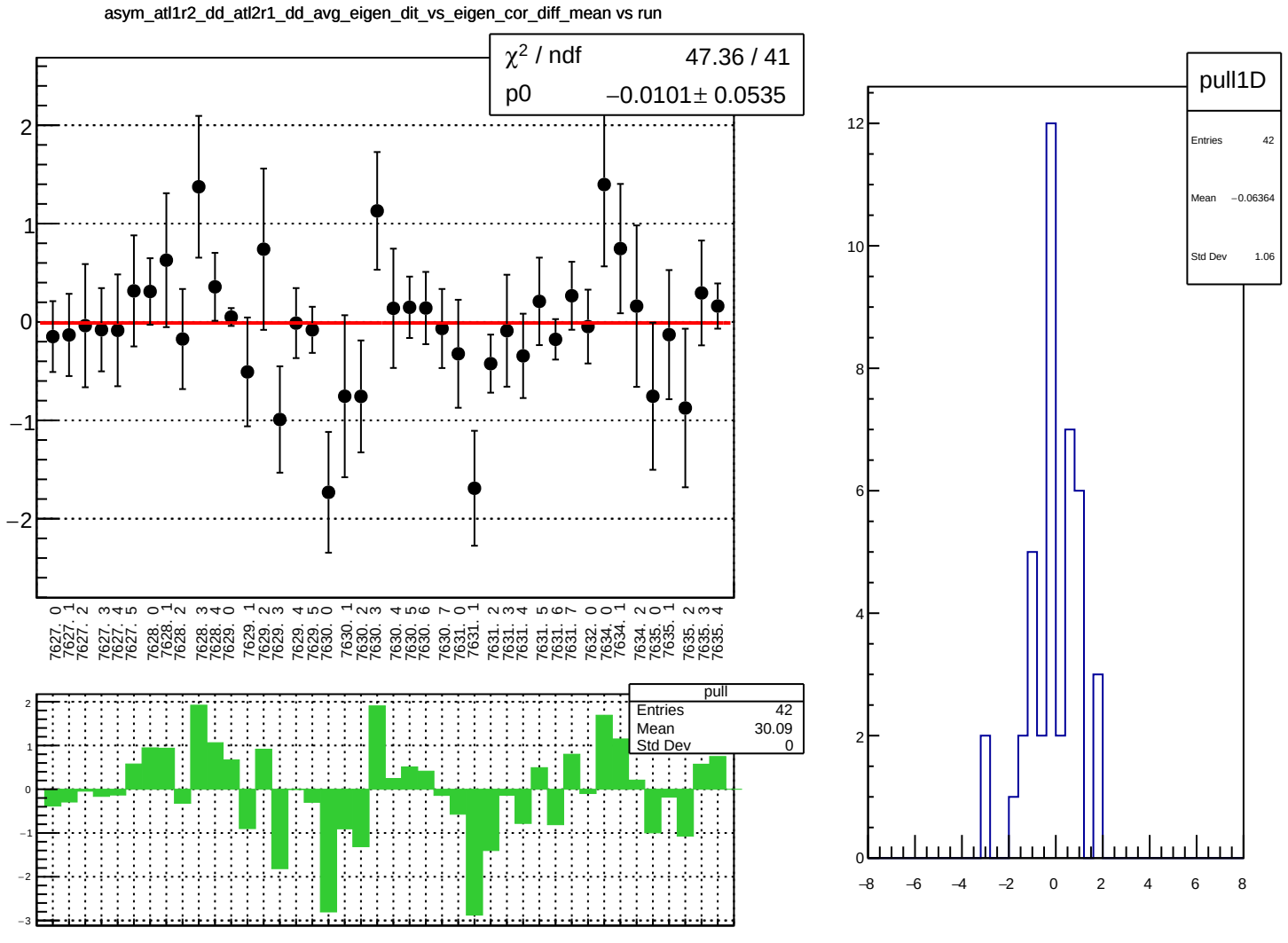

pull1D
Entries 42
Mean −0.00129
Std Dev 0.972

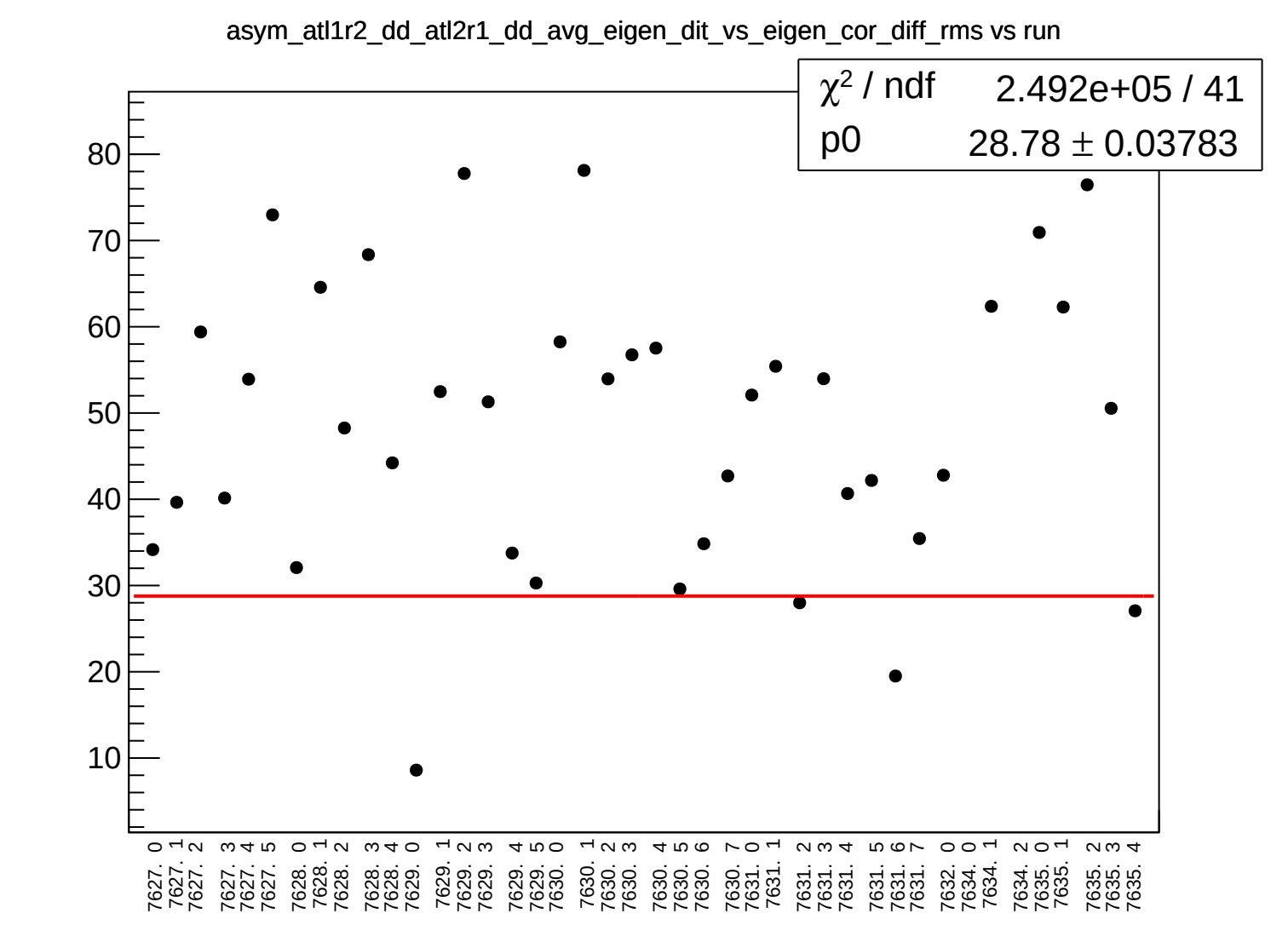

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3071 / 41
p0 0.01241 ± 1.367e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

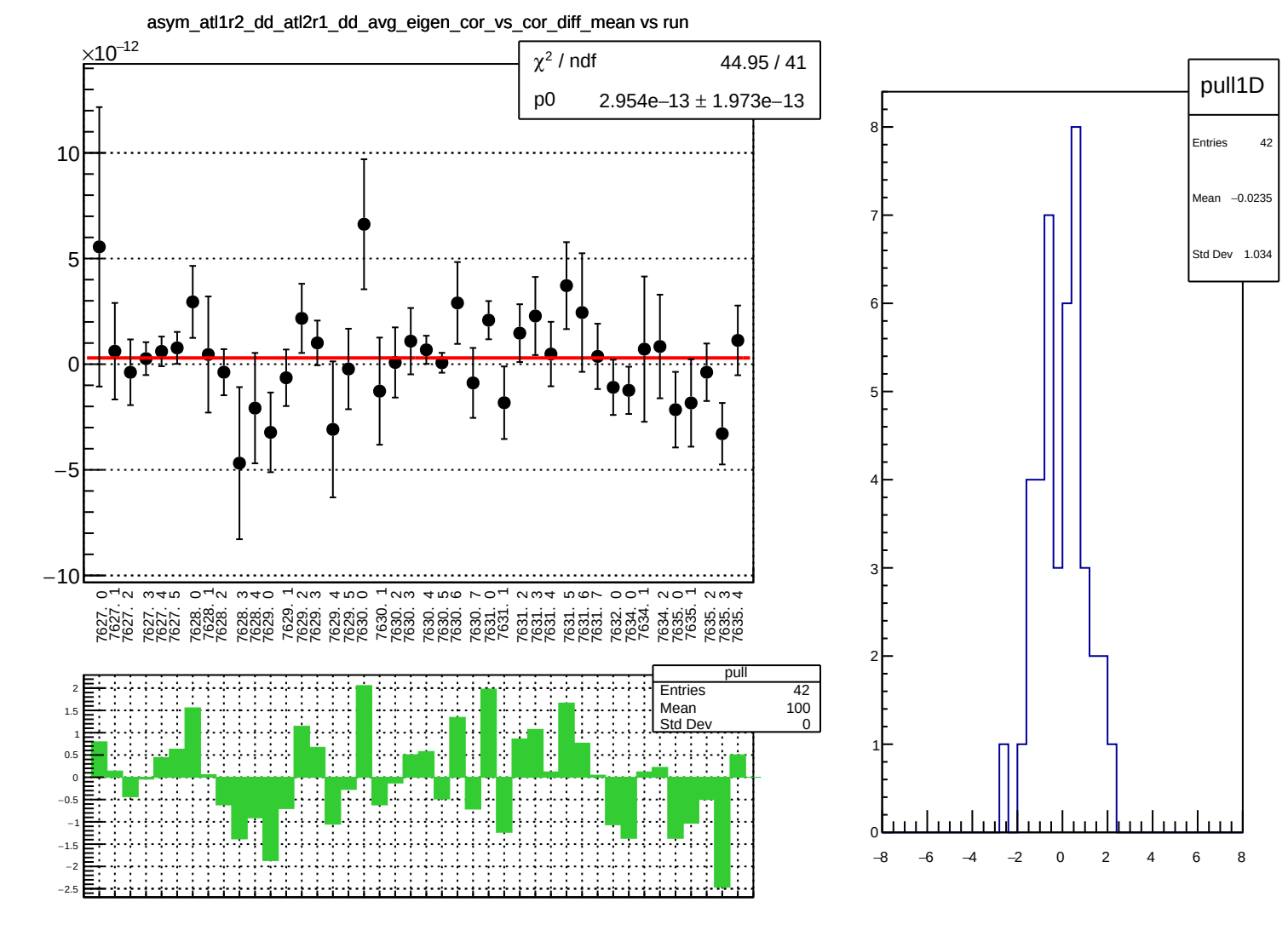

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.36 / 41
p0 −0.0101± 0.0535
pull
Entries 42
Mean 30.09
Std Dev 0

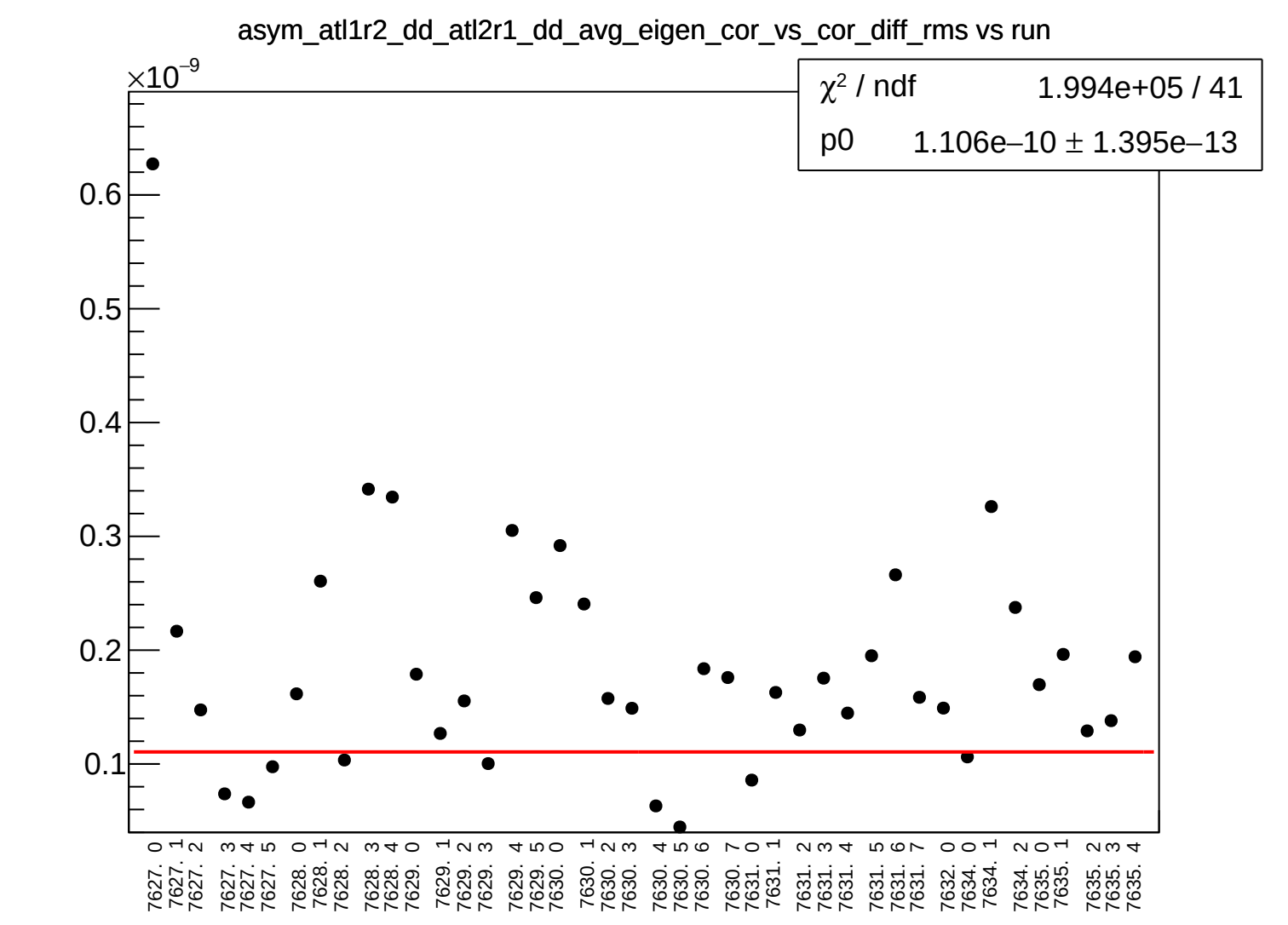

pull1D
Entries 42
Mean −0.06364
Std Dev 1.06

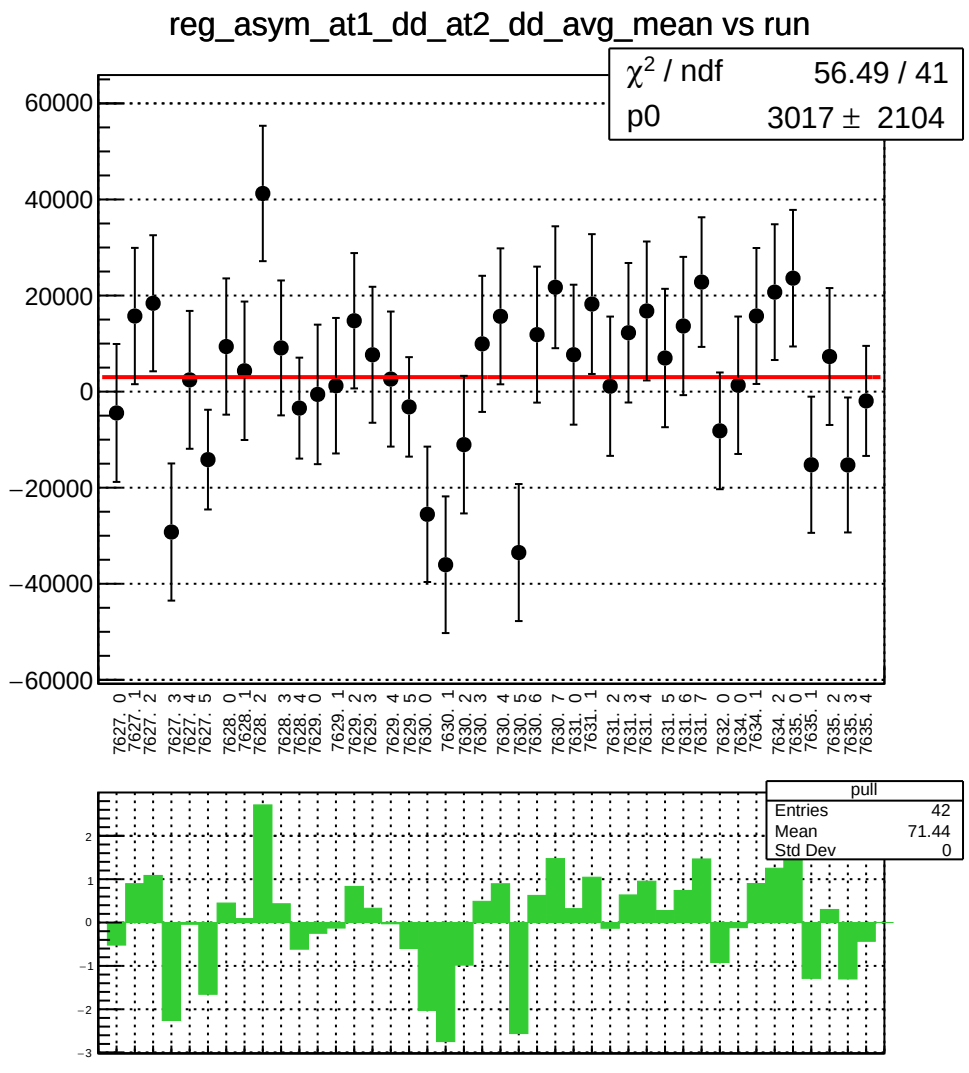

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.492e+05 / 41
p0 28.78 ± 0.03783
80
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

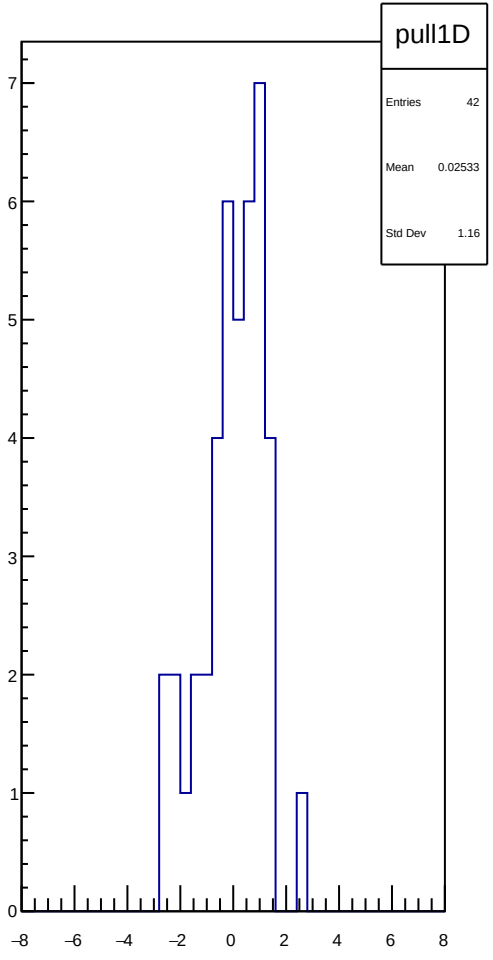

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.36 / 41
p0 −0.0101± 0.0535
pull
Entries 42
Mean 30.09
Std Dev 0
pull1D
Entries 42
Mean −0.06364
Std Dev 1.06

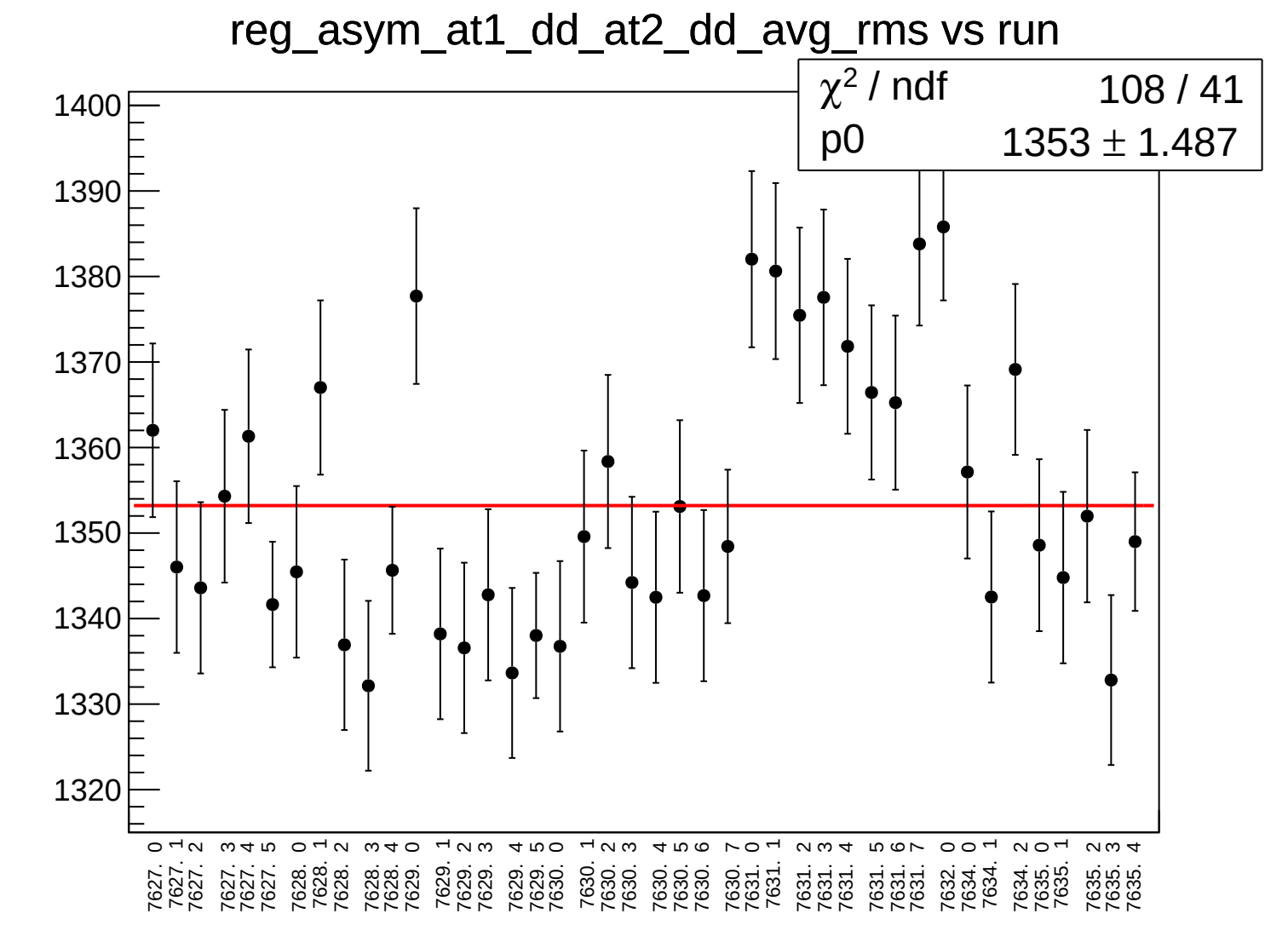

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.492e+05 / 41
p0 28.78 ± 0.03783
80
70
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

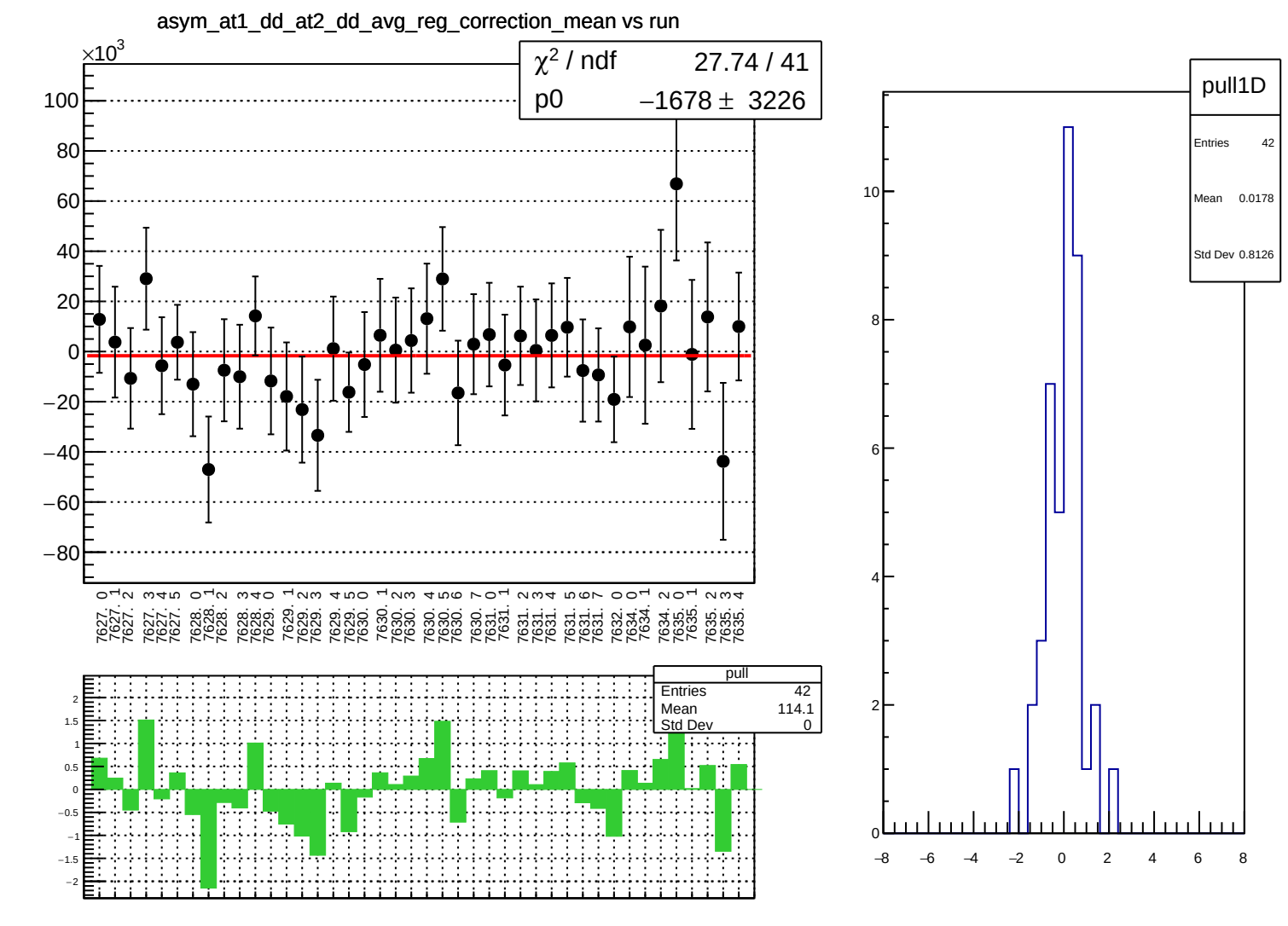

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 44.95 / 41
p0 2.954e−13 ± 1.973e−13
pull
Entries 42
Mean 100
Std Dev 0
pull1D
Entries 42
Mean −0.0235
Std Dev 1.034

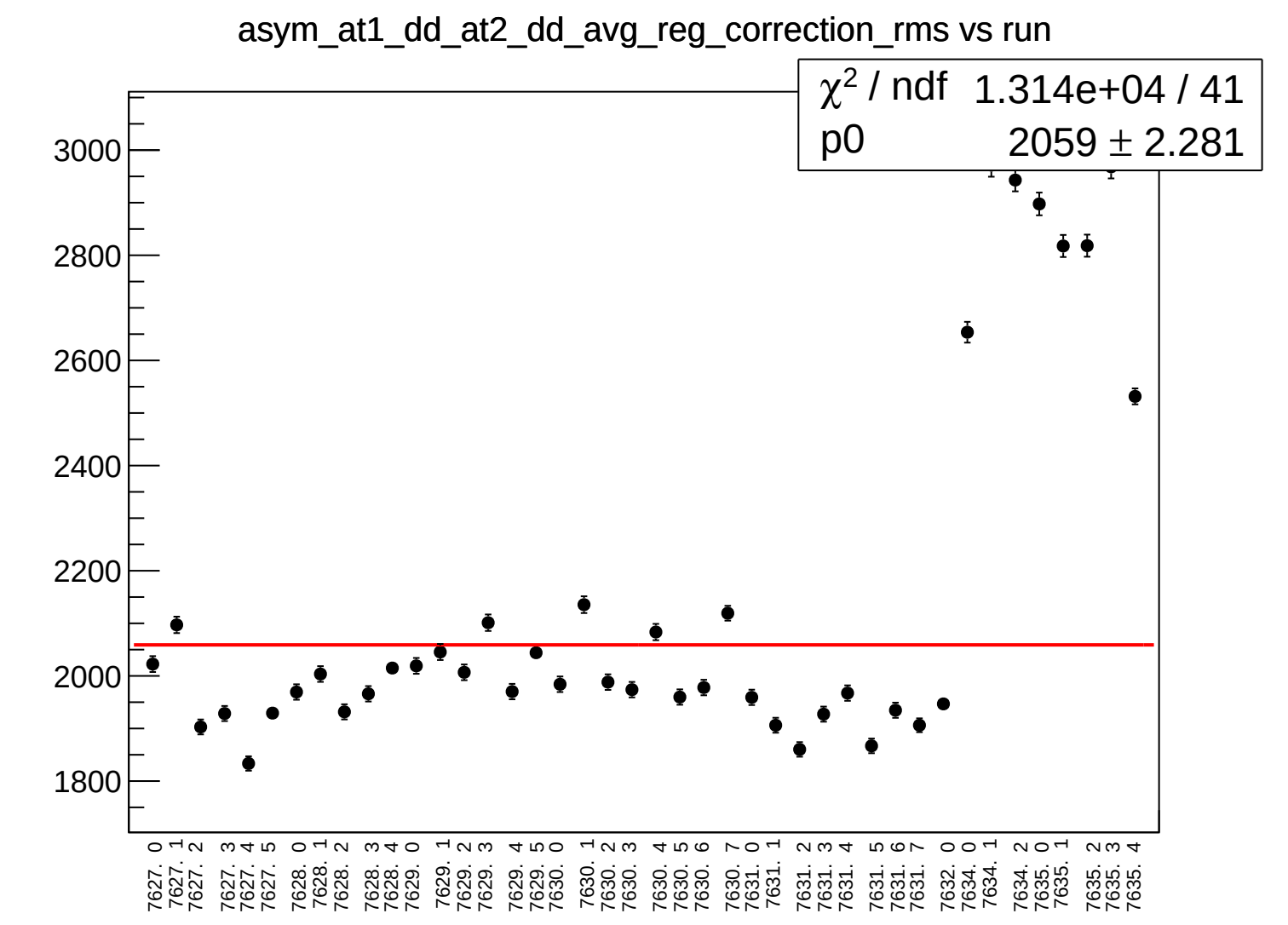

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.994e+05 / 41
p0 1.106e−10 ± 1.395e−13
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

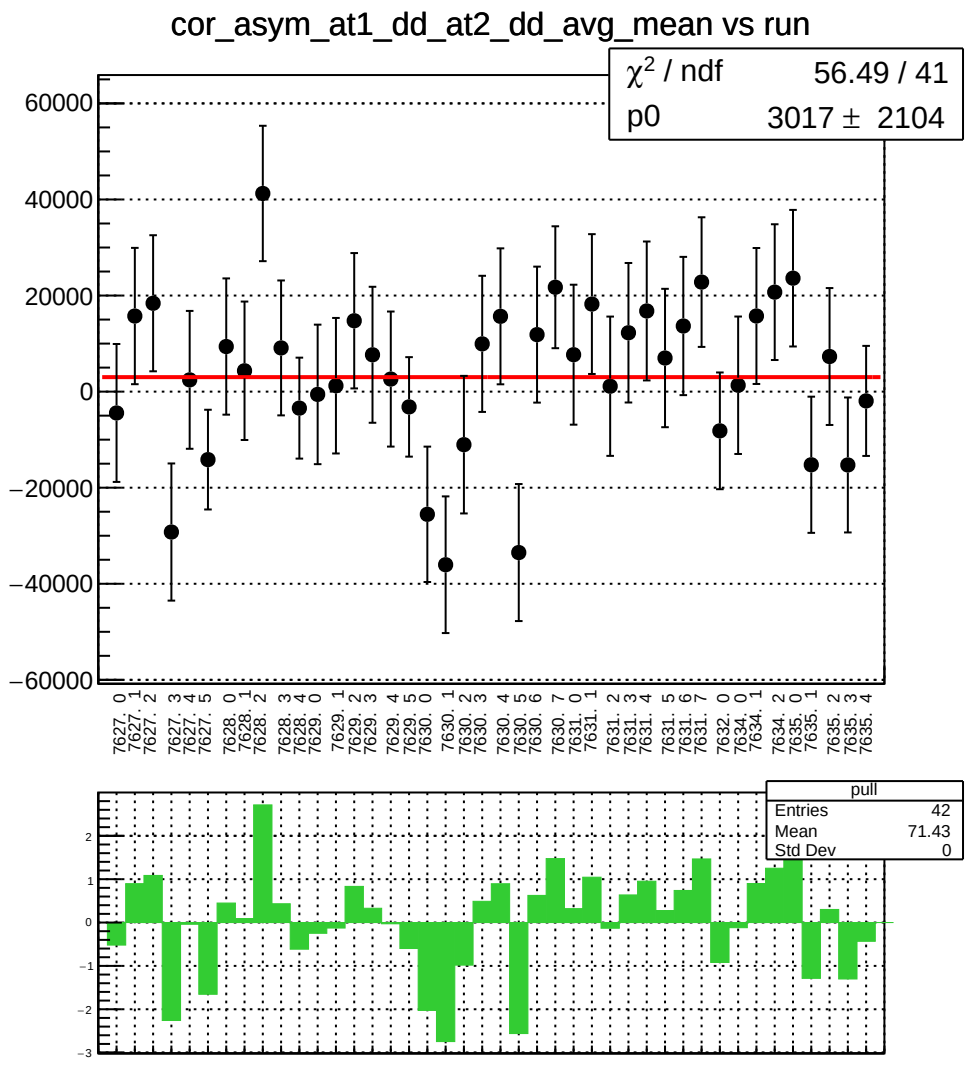

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 56.49 / 41
p0 3017 ± 2104
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.44
Std Dev 0
2
1
0
−1
−2
−3

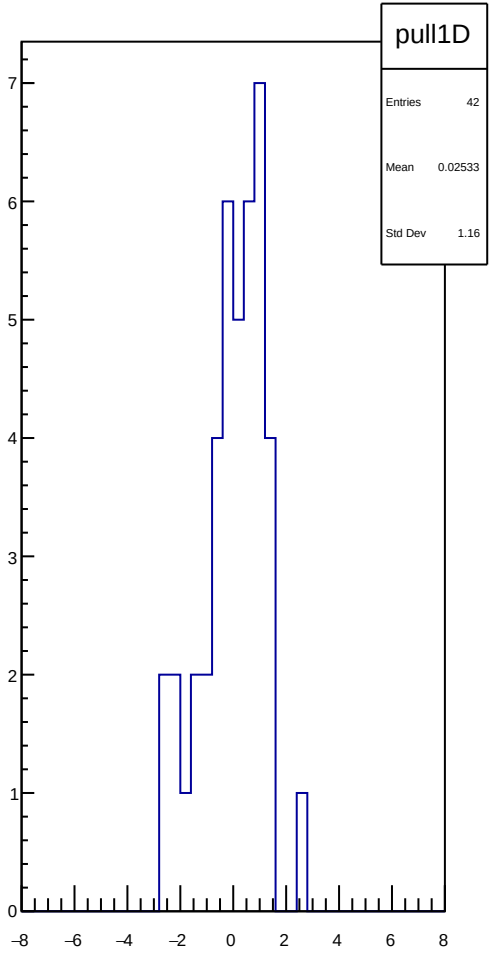

pull1D
Entries 42
Mean 0.02533
Std Dev 1.16
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

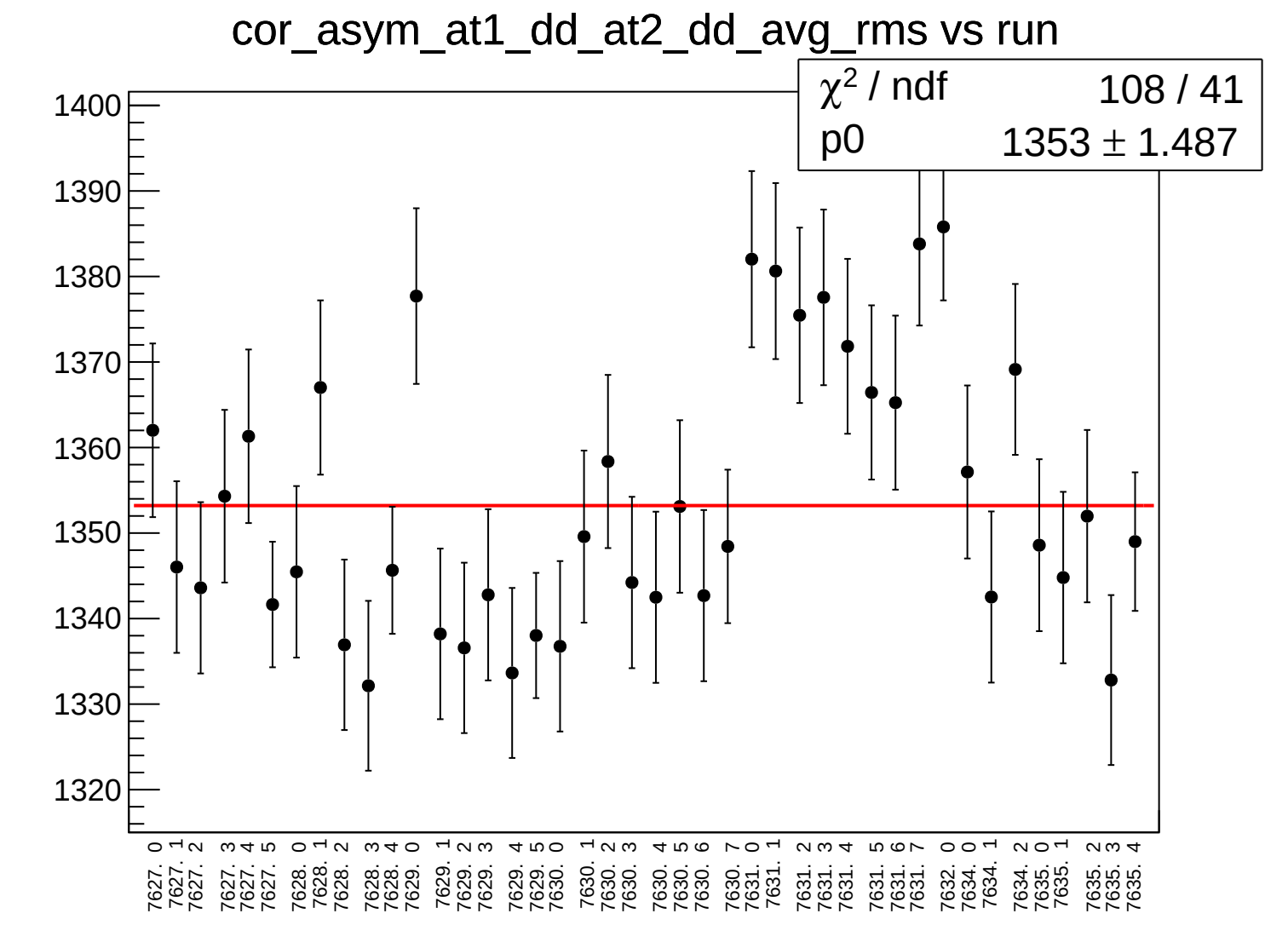

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 108 / 41
p0 1353 ± 1.487
1400
1390
1380
1370
1360
1350
1340
1330
1320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

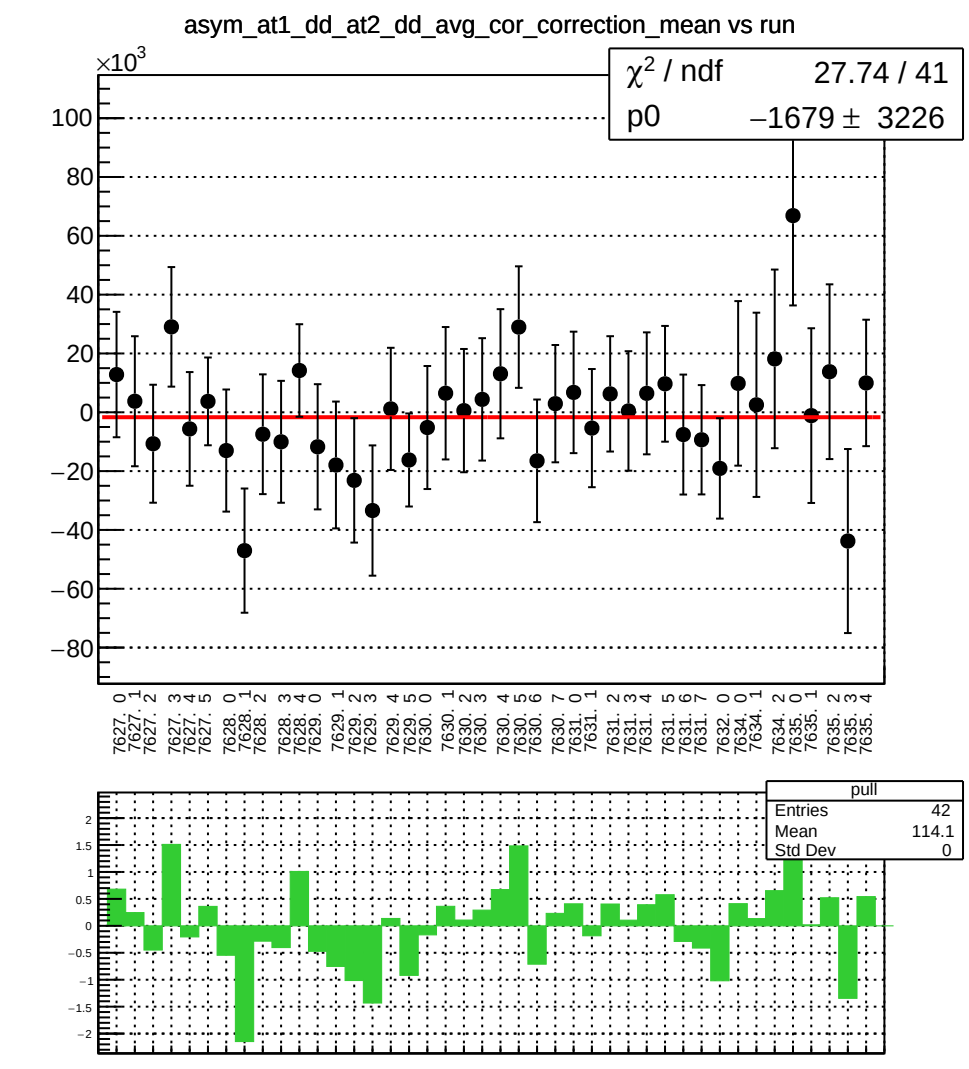

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 27.74 / 41
p0 −1678 ± 3226
pull
Entries 42
Mean 114.1
Std Dev 0
pull1D
Entries 42
Mean 0.0178
Std Dev 0.8126

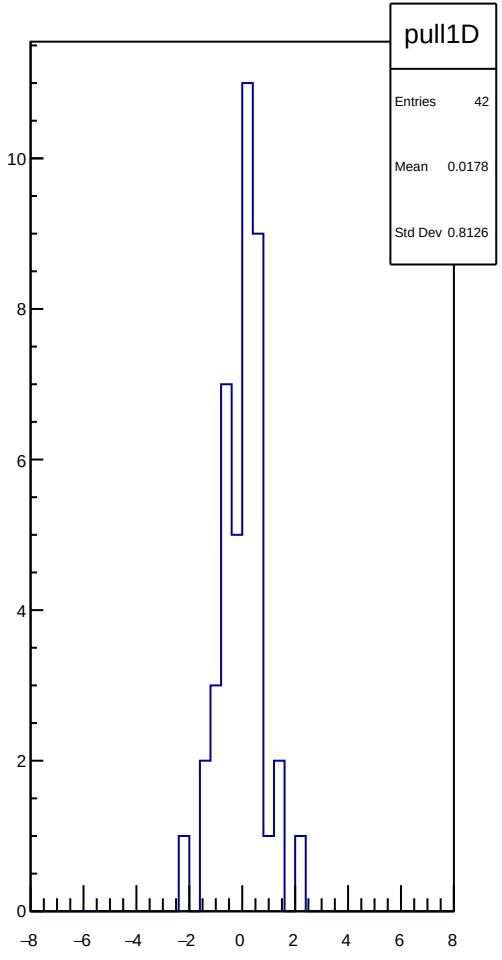

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2059 ± 2.281
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

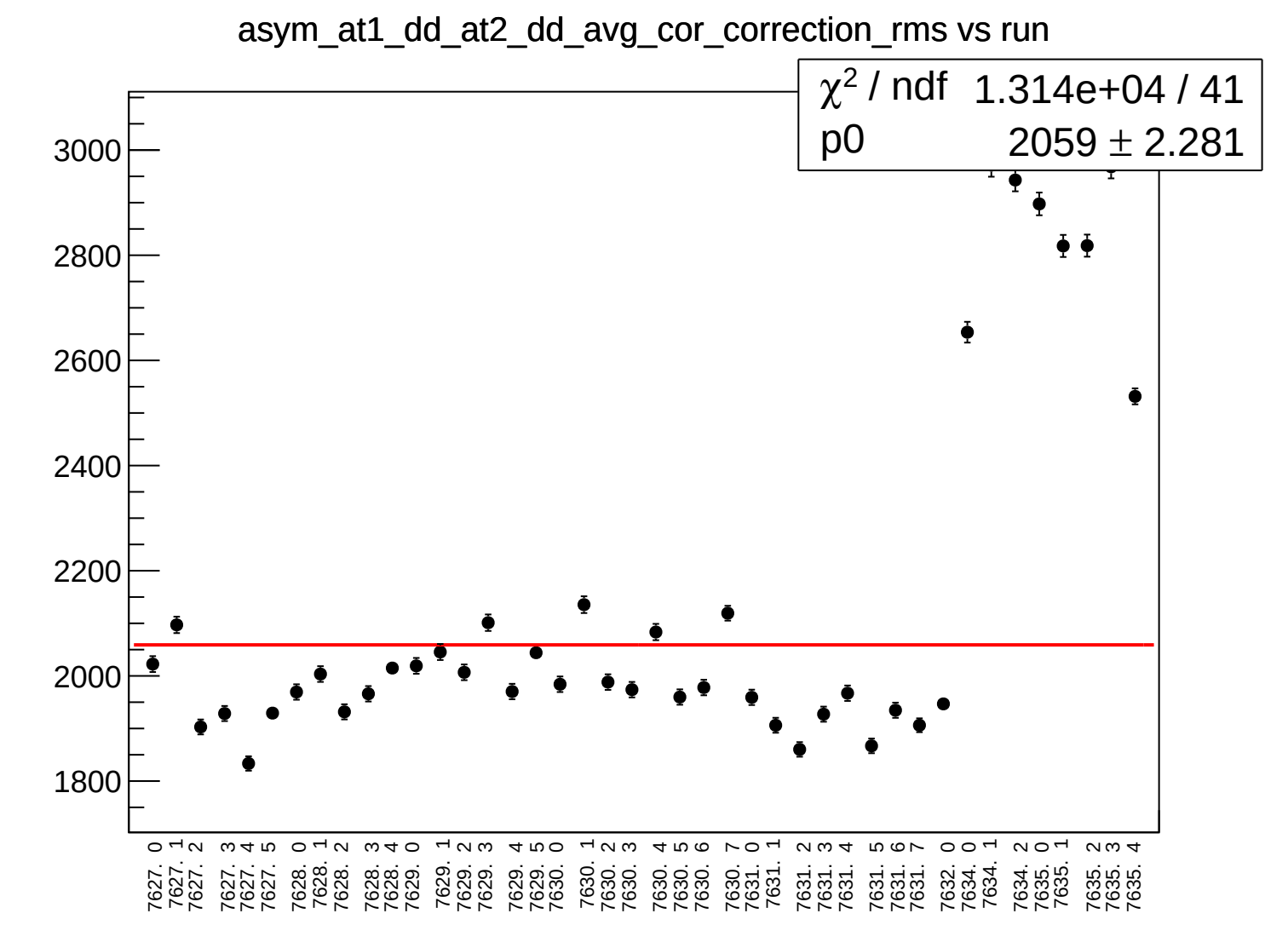

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 56.49 / 41
p0 3017 ± 2104
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.43
Std Dev 0
2
1
0
−1
−2
−3

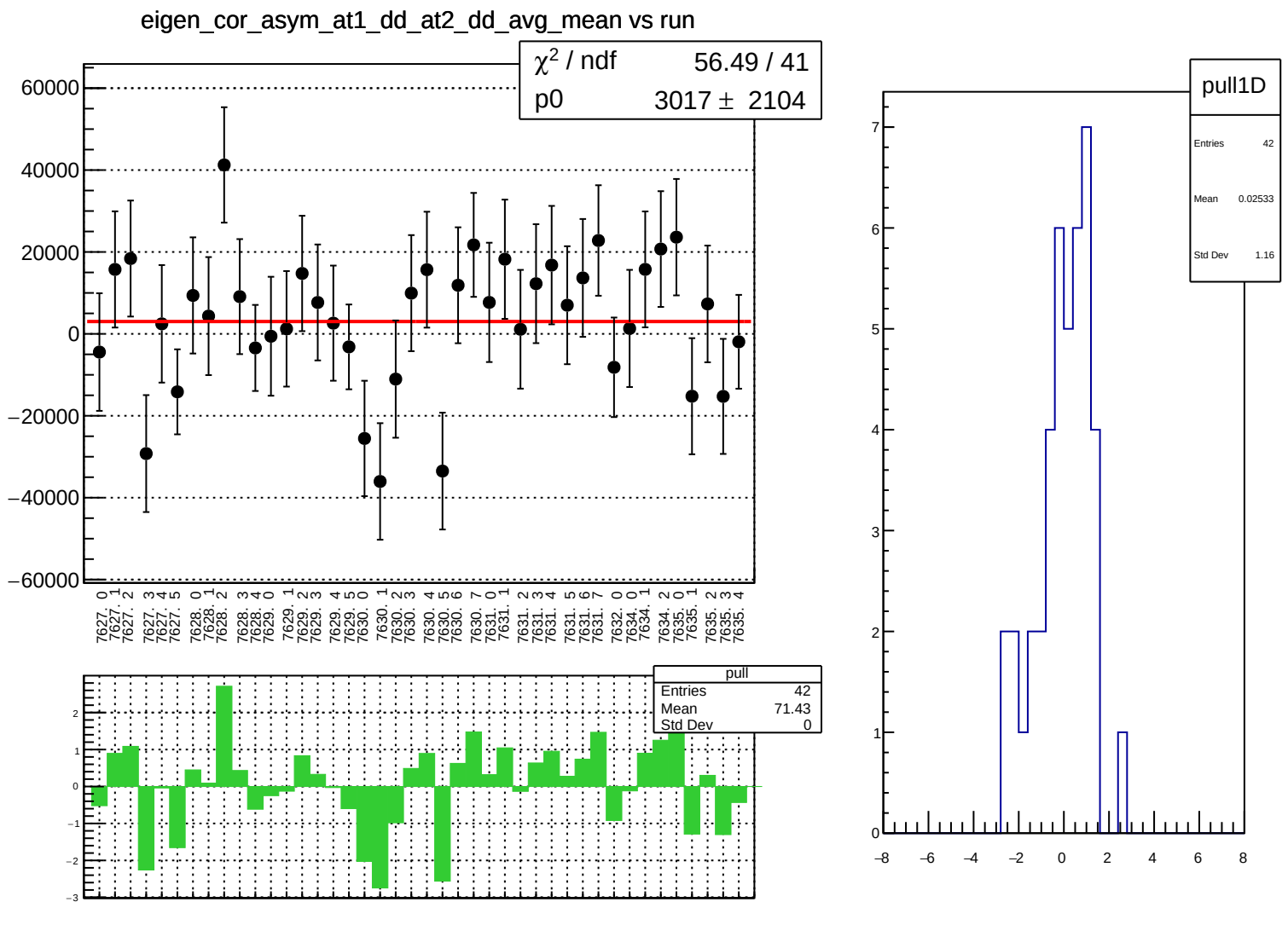

pull1D
Entries 42
Mean 0.02533
Std Dev 1.16
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 108 / 41
p0 1353 ± 1.487
1400
1390
1380
1370
1360
1350
1340
1330
1320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 27.74 / 41
p0 −1679 ± 3226
pull
Entries 42
Mean 114.1
Std Dev 0


pull1D
Entries 42
Mean 0.0178
Std Dev 0.8126


asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2059 ± 2.281
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 56.49 / 41
p0 3017 ± 2104
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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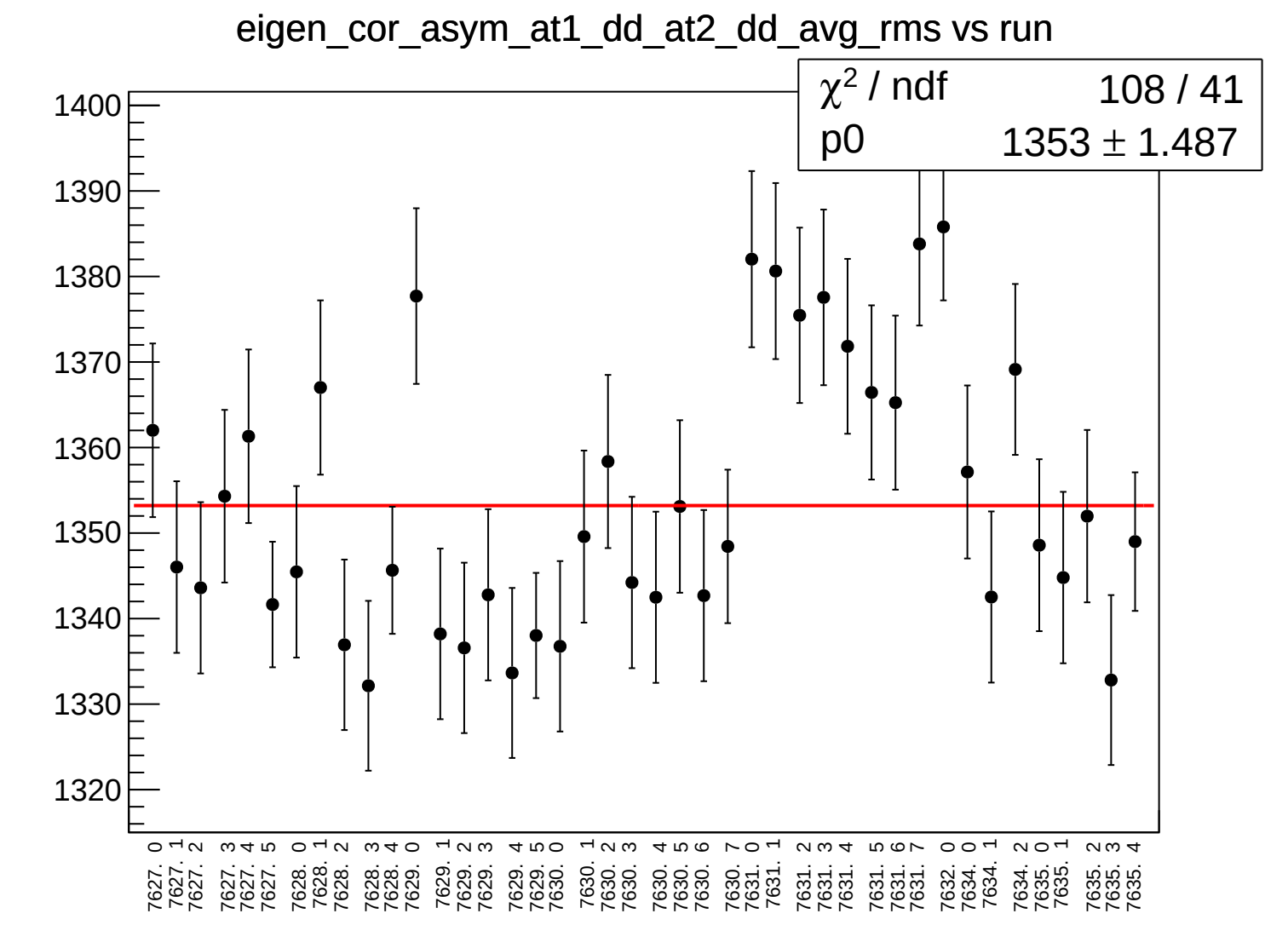
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.43
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.02533
Std Dev 1.16
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 108 / 41
p0 1353 ± 1.487
1400
1390
1380
1370
1360
1350
1340
1330
1320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7632. 0
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7634. 1
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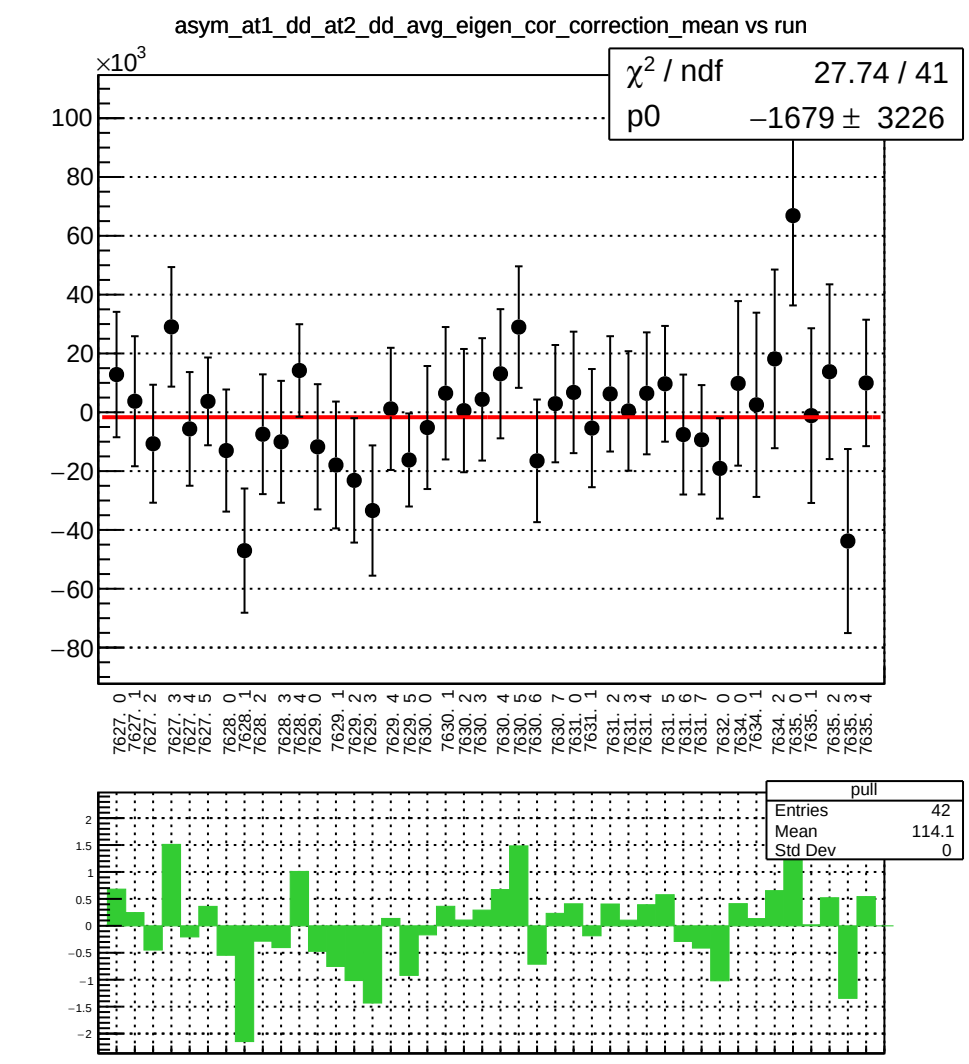
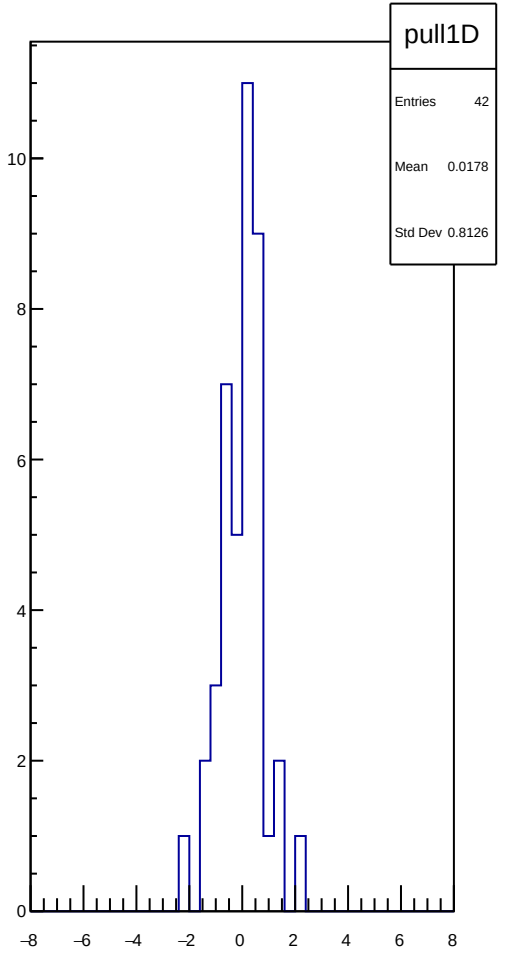
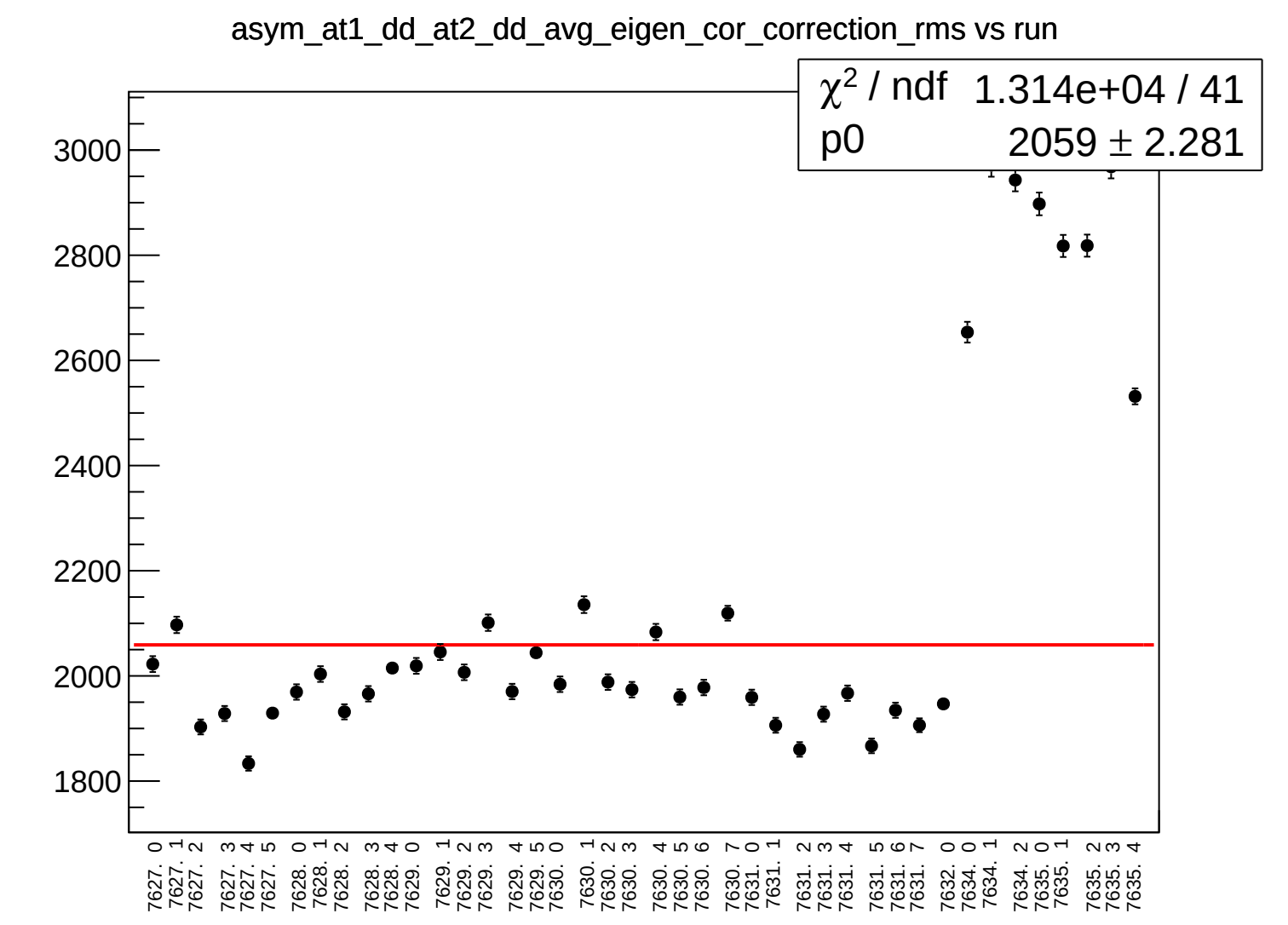
7635. 3
7635. 4


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 27.74 / 41
p0 −1679 ± 3226
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 114.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.0178
Std Dev 0.8126
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.314e+04 / 41
p0 2059 ± 2.281
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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7629. 5
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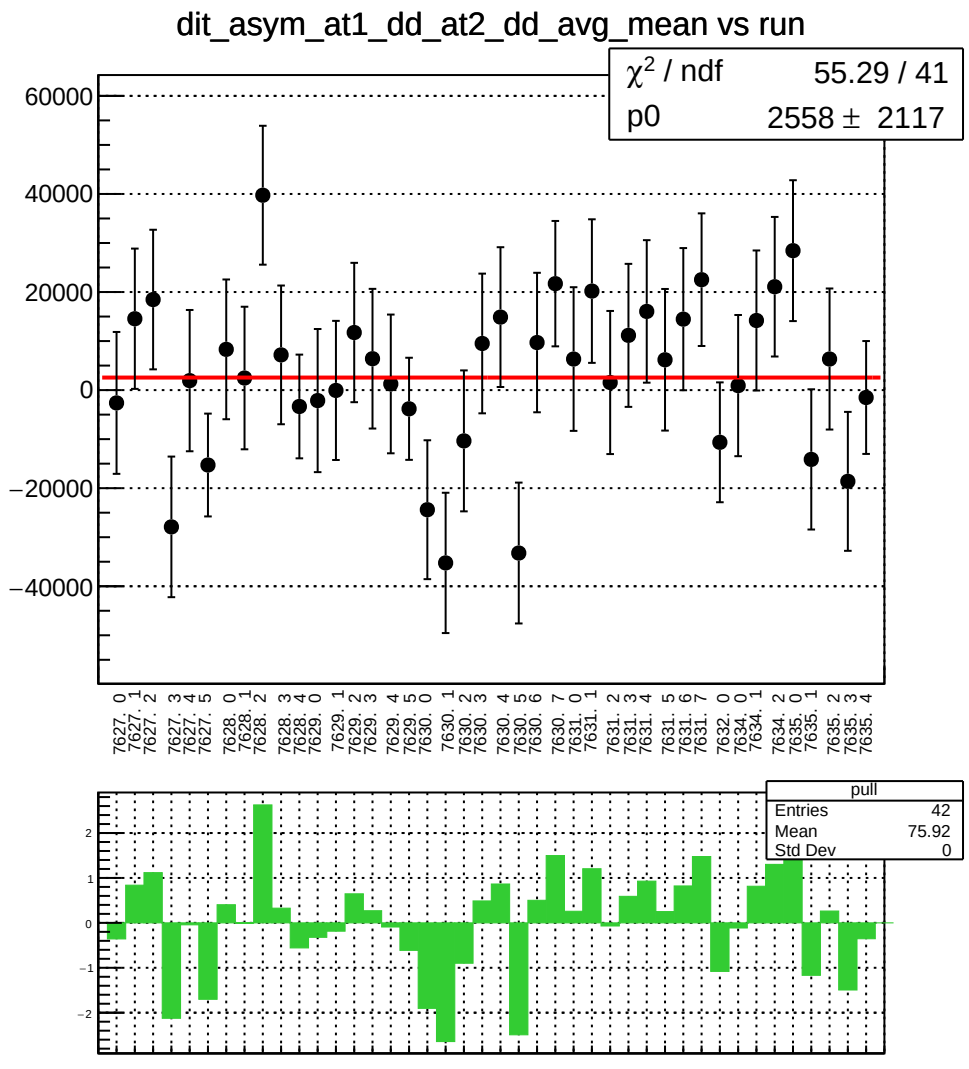
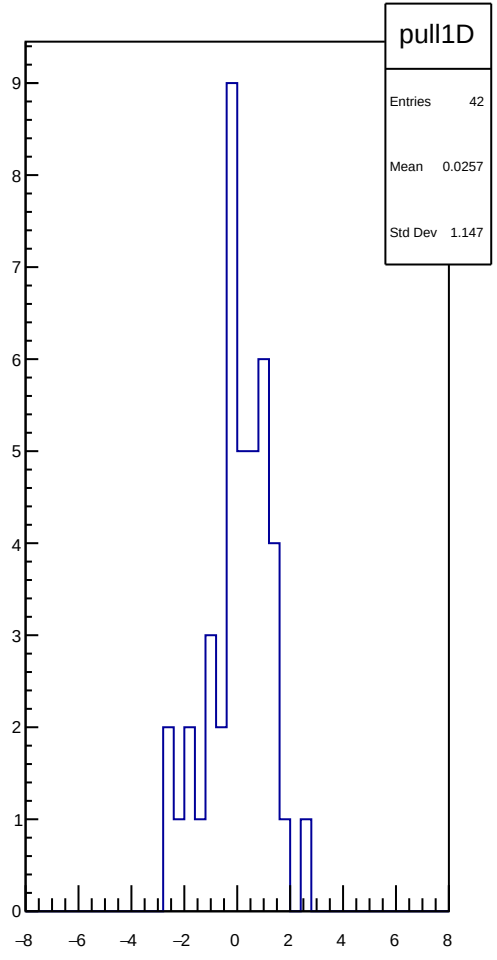
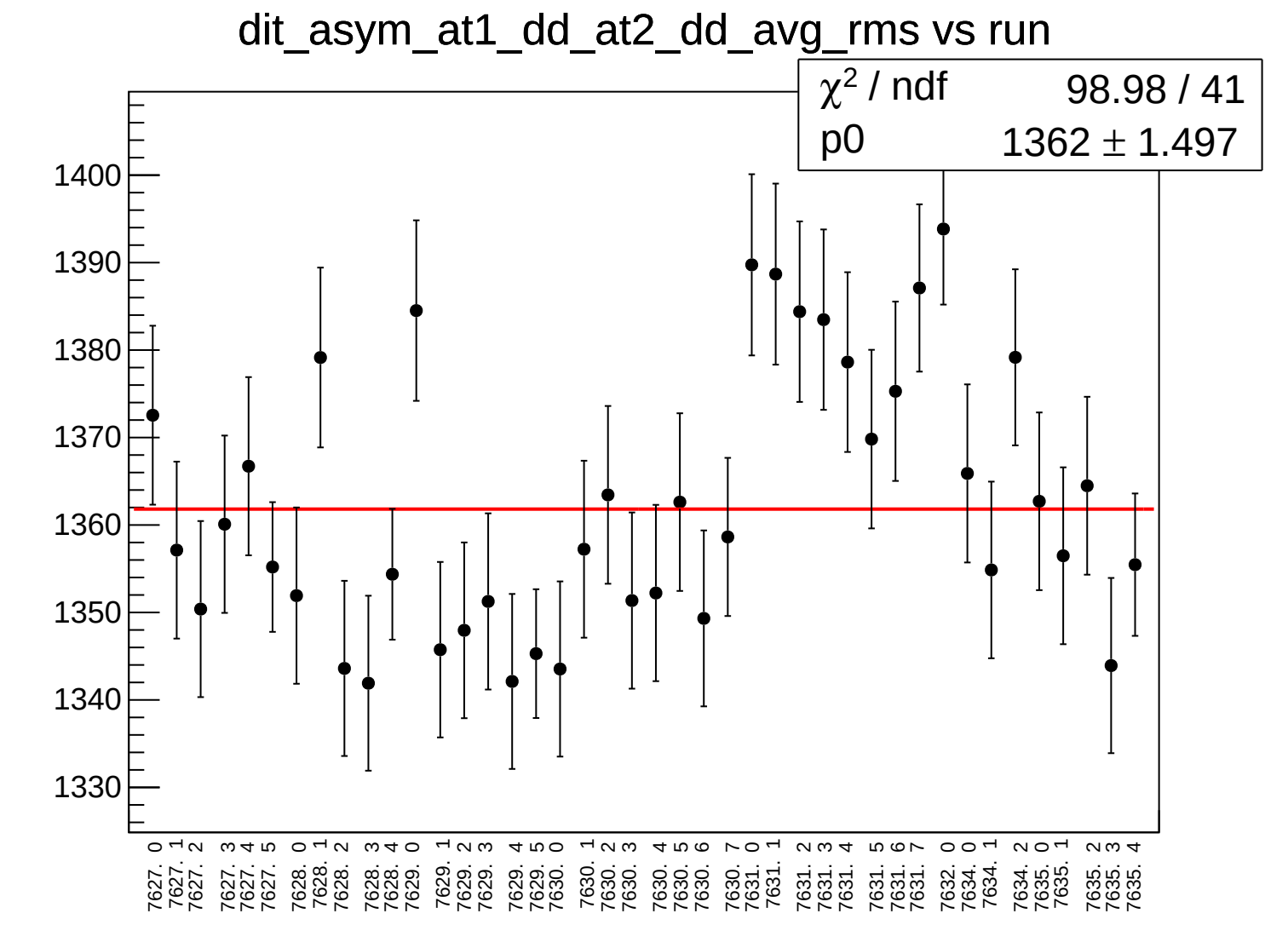
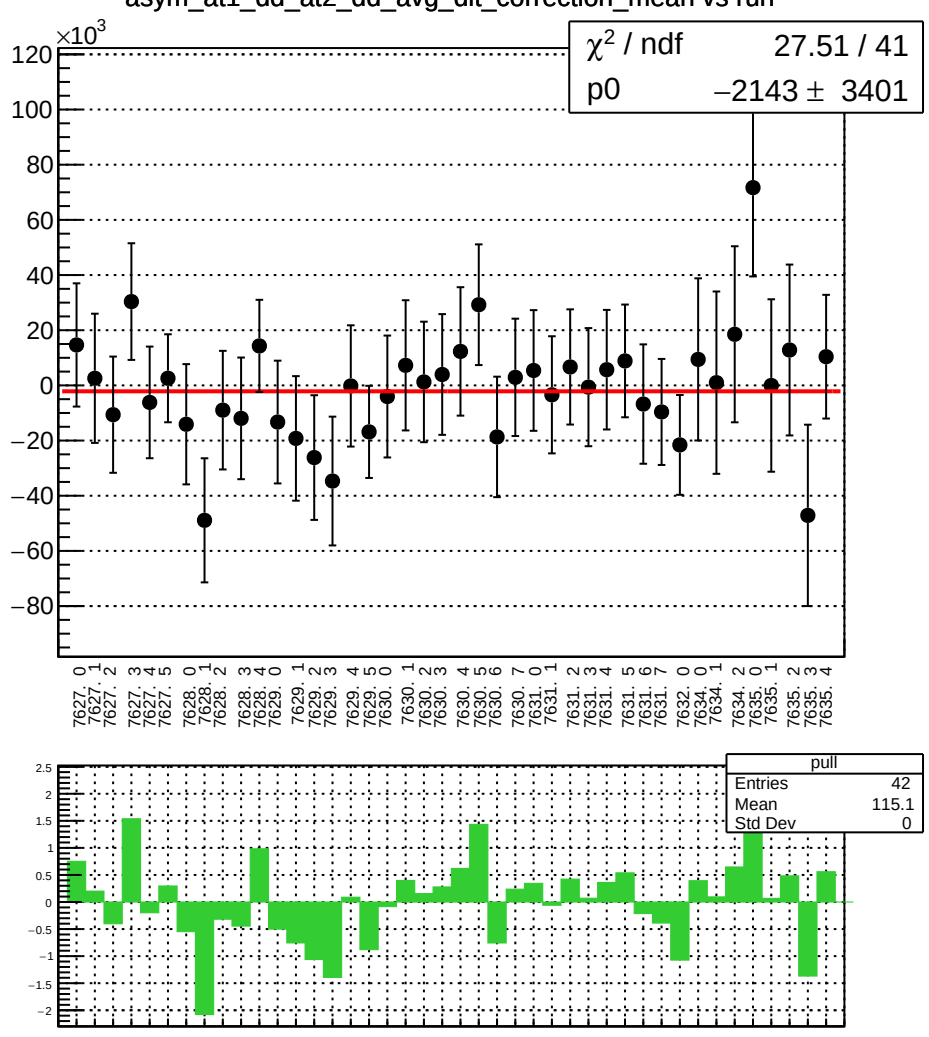
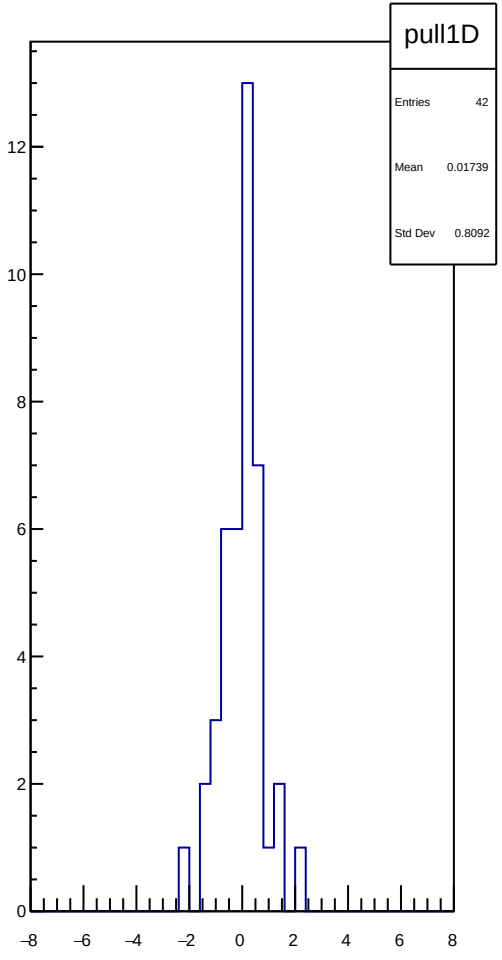
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

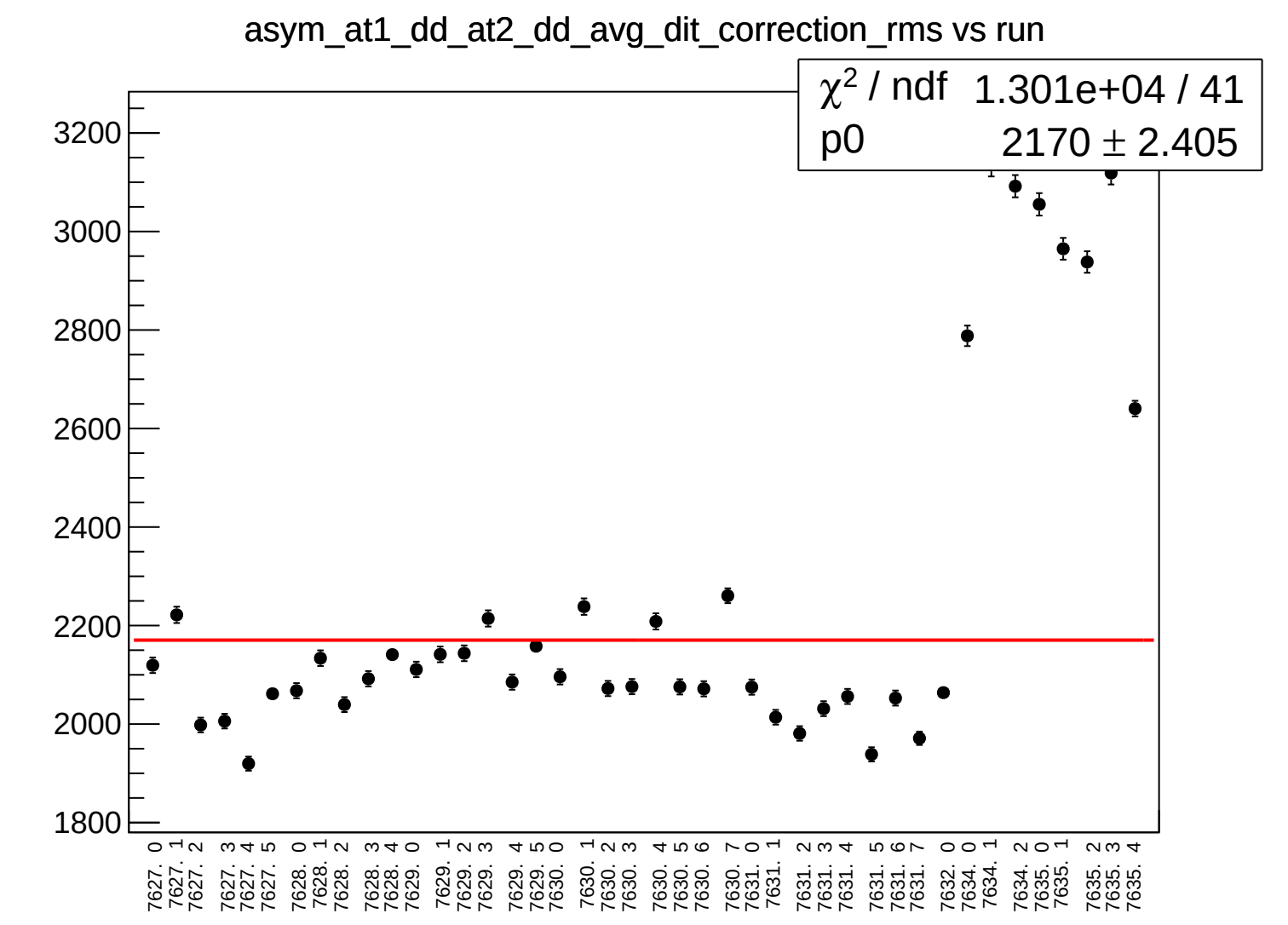

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 55.29 / 41
p0 2558 ± 2117
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 75.92
Std Dev 0
2
1
0
−1
−2

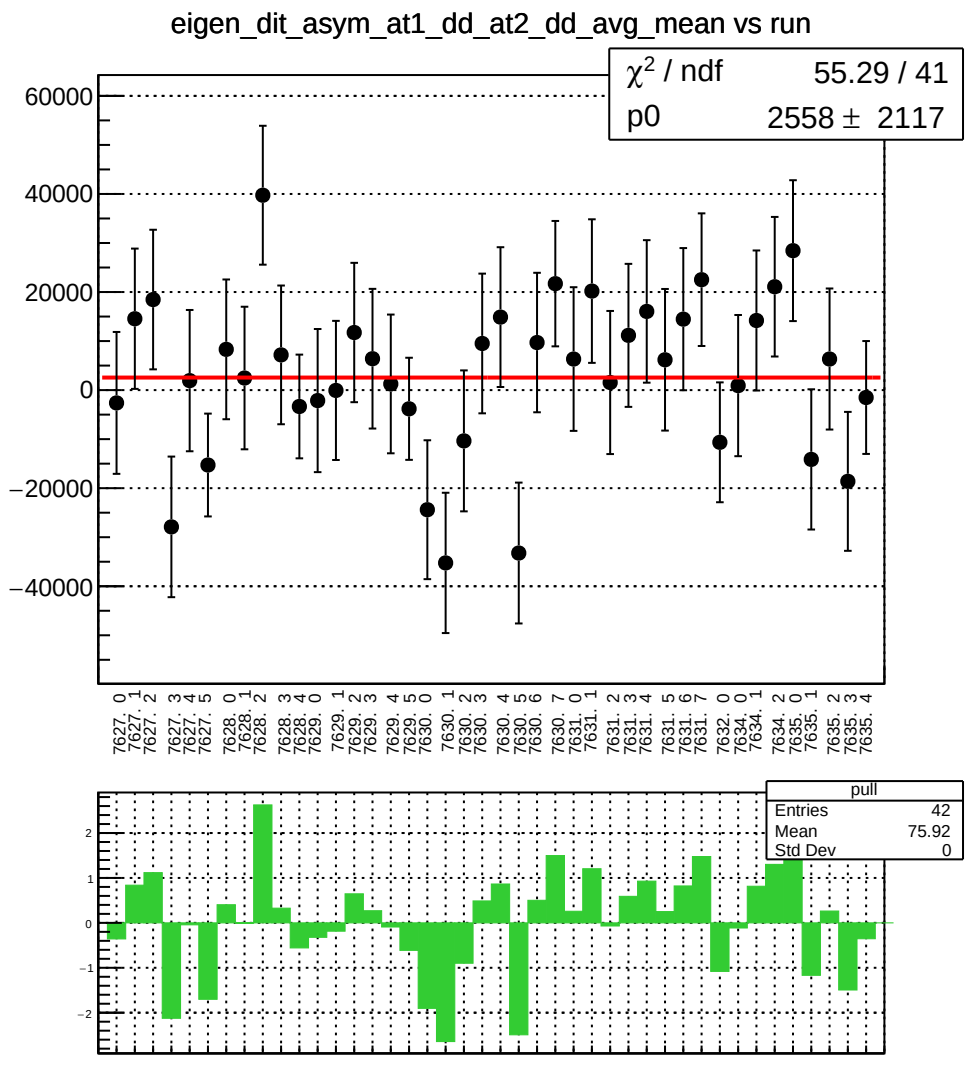

pull1D
Entries 42
Mean 0.0257
Std Dev 1.147
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

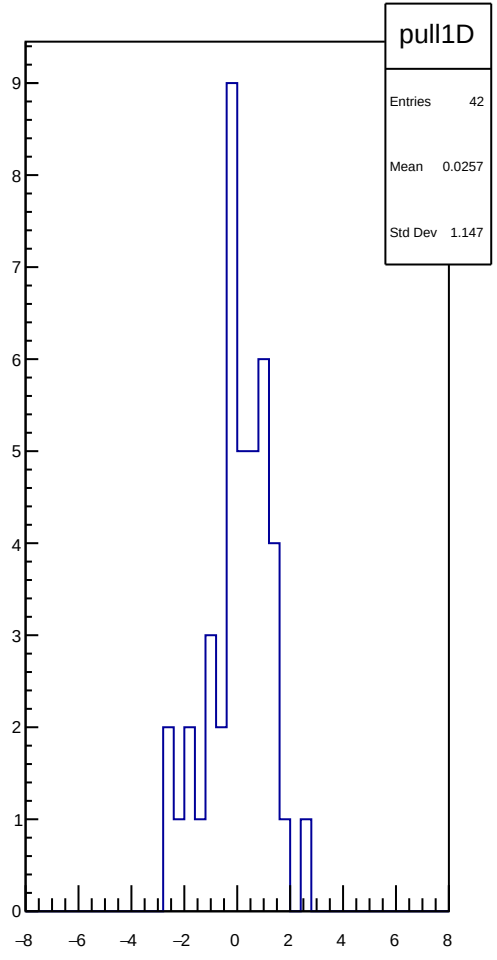

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 98.98 / 41
p0 1362 ± 1.497
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

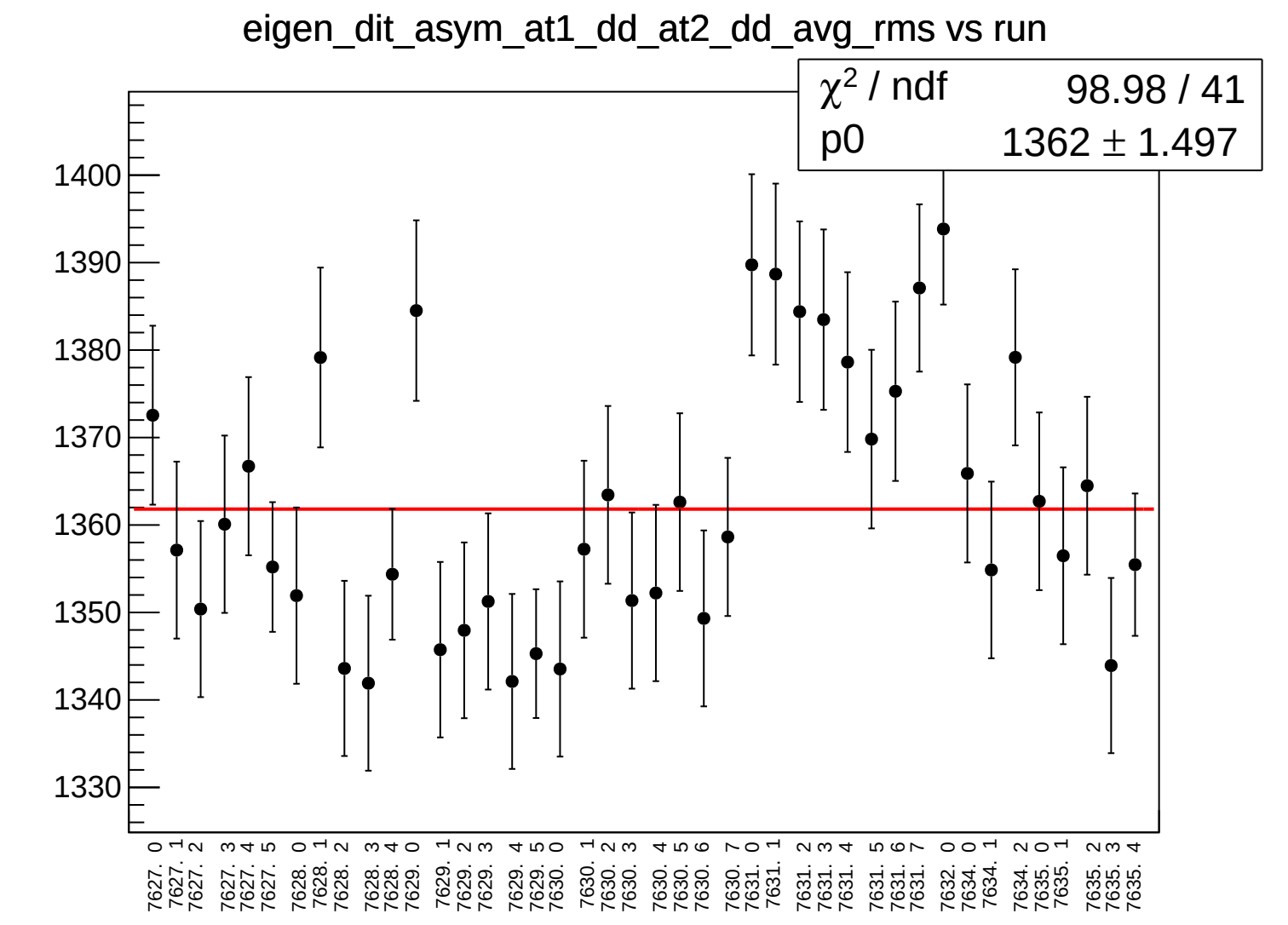

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 27.51 / 41
p0 −2143 ± 3401
pull
Entries 42
Mean 115.1
Std Dev 0

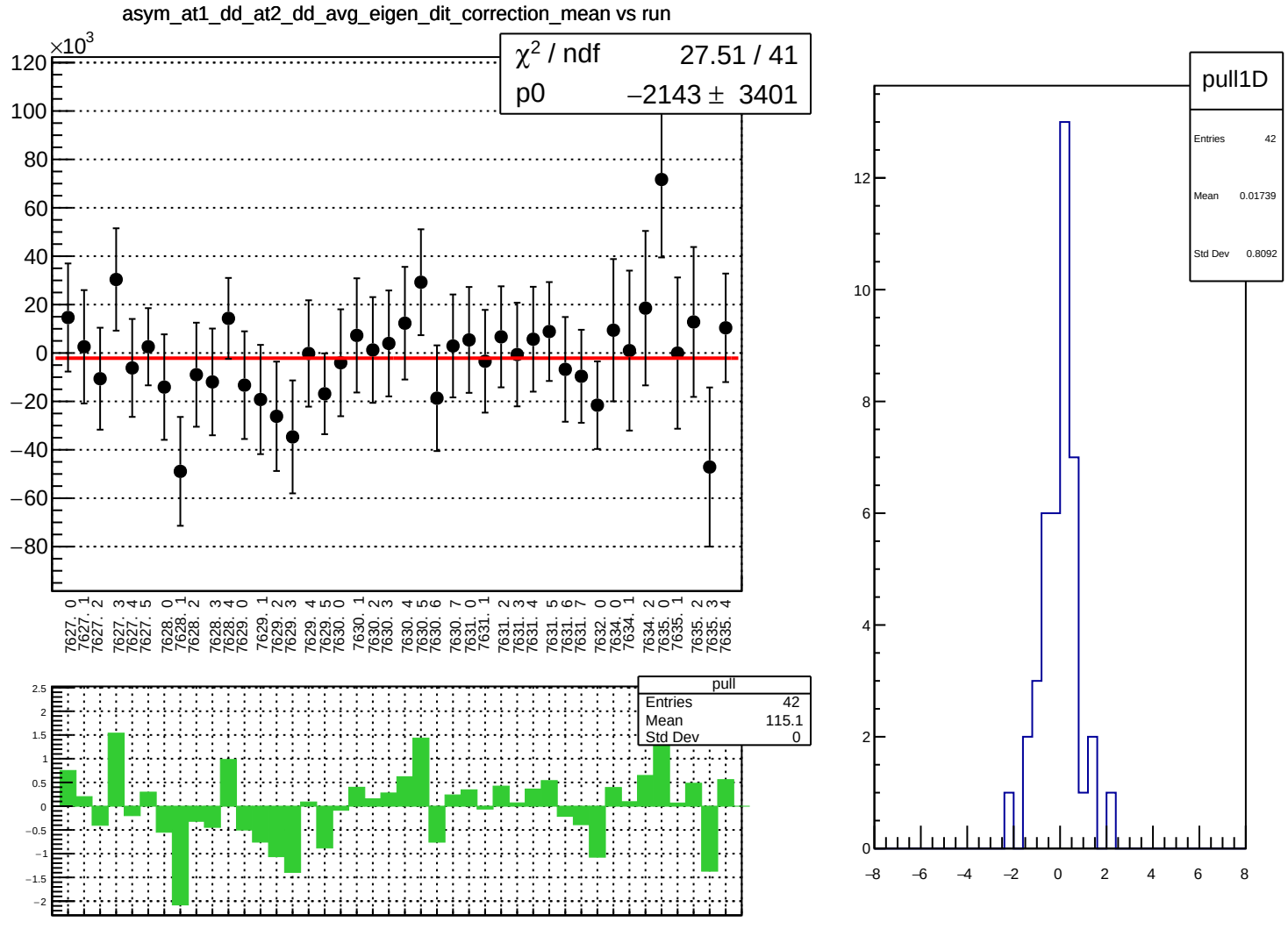

pull1D
Entries 42
Mean 0.01739
Std Dev 0.8092

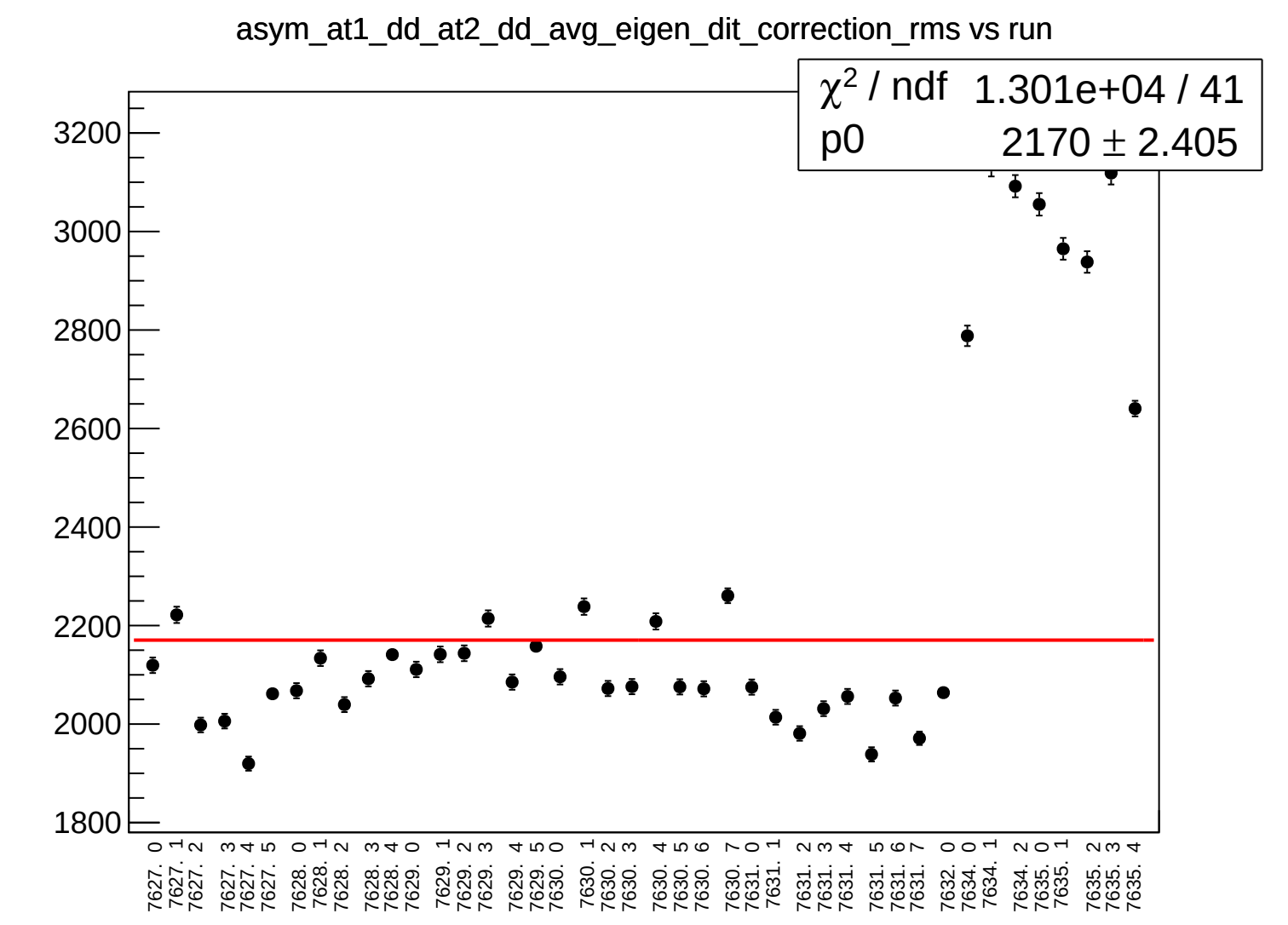

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 1.301e+04 / 41
p0 2170 ± 2.405
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

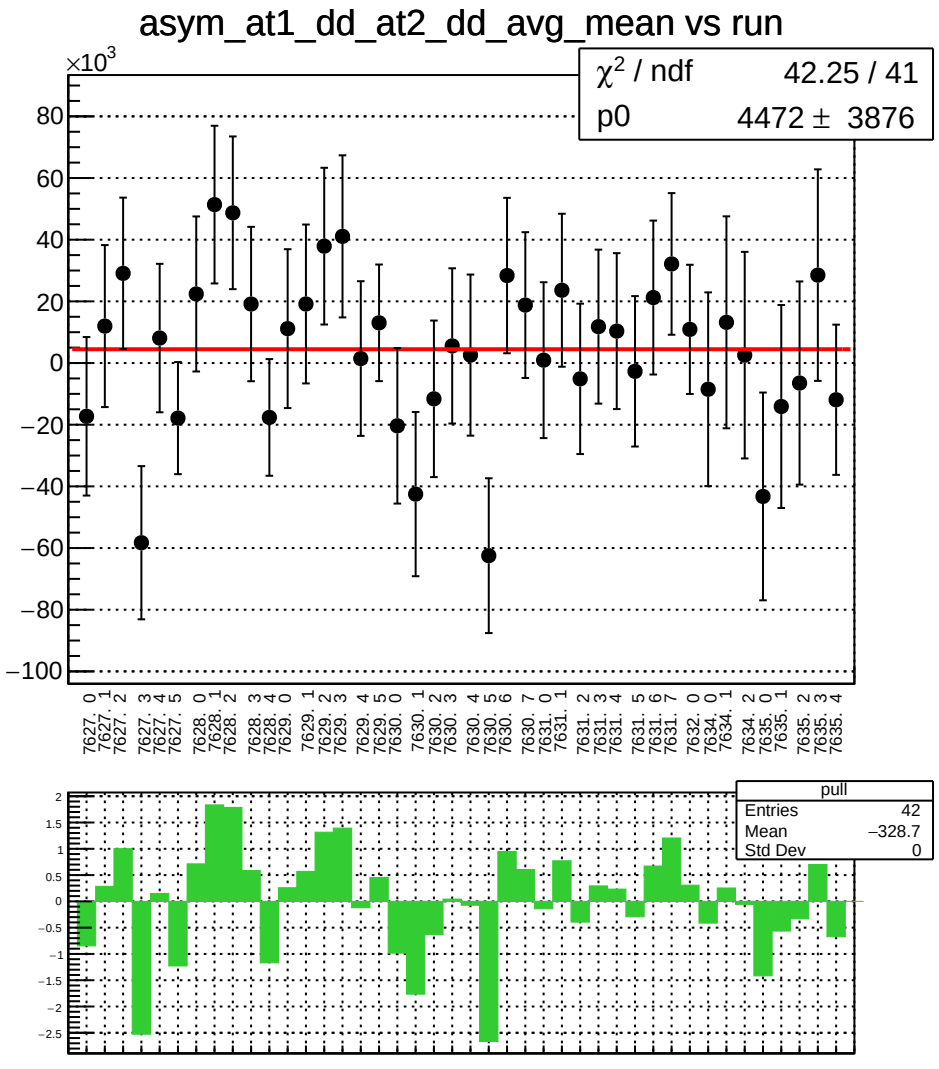

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 55.29 / 41
p0 2558 ± 2117
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 75.92
Std Dev 0
2
1
0
−1
−2

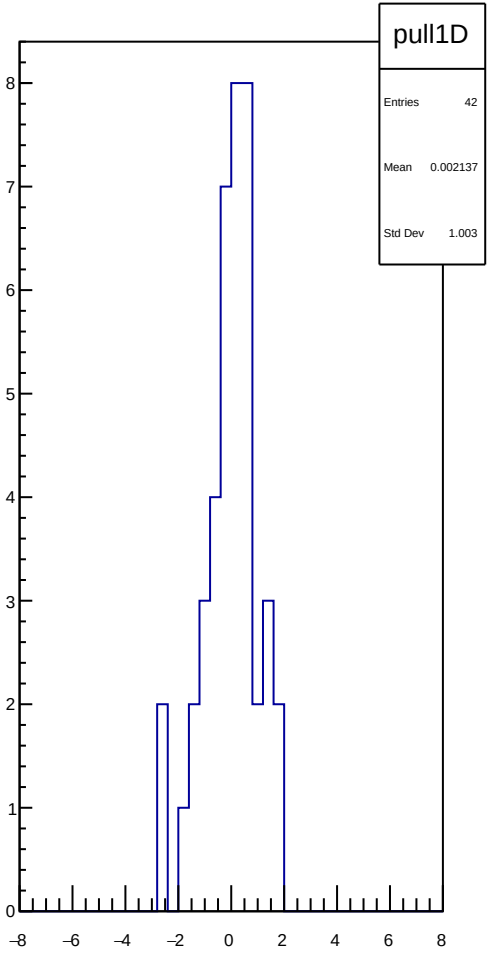

pull1D
Entries 42
Mean 0.0257
Std Dev 1.147
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

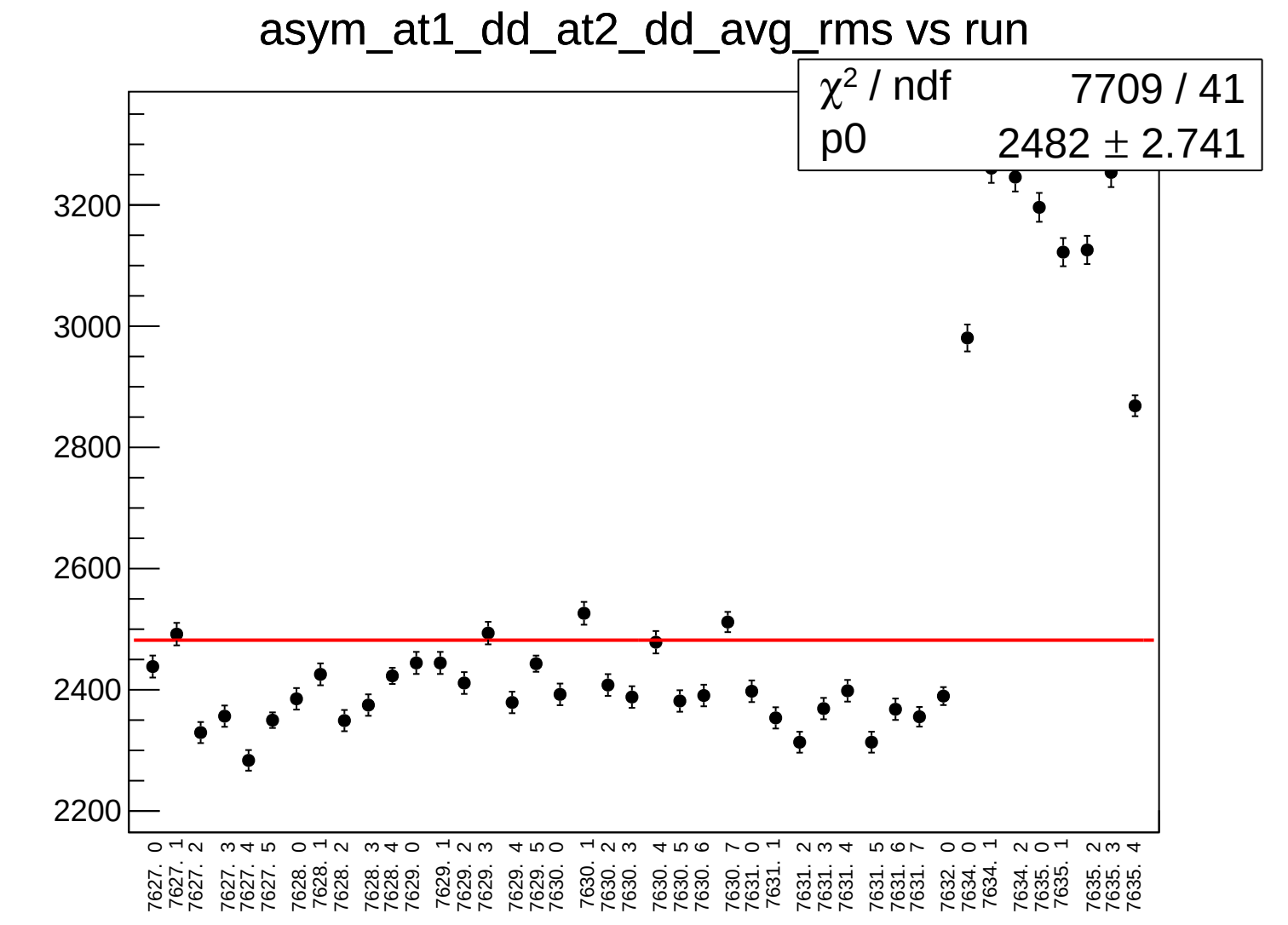

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 98.98 / 41
p0 1362 ± 1.497
1400
1390
1380
1370
1360
1350
1340
1330
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

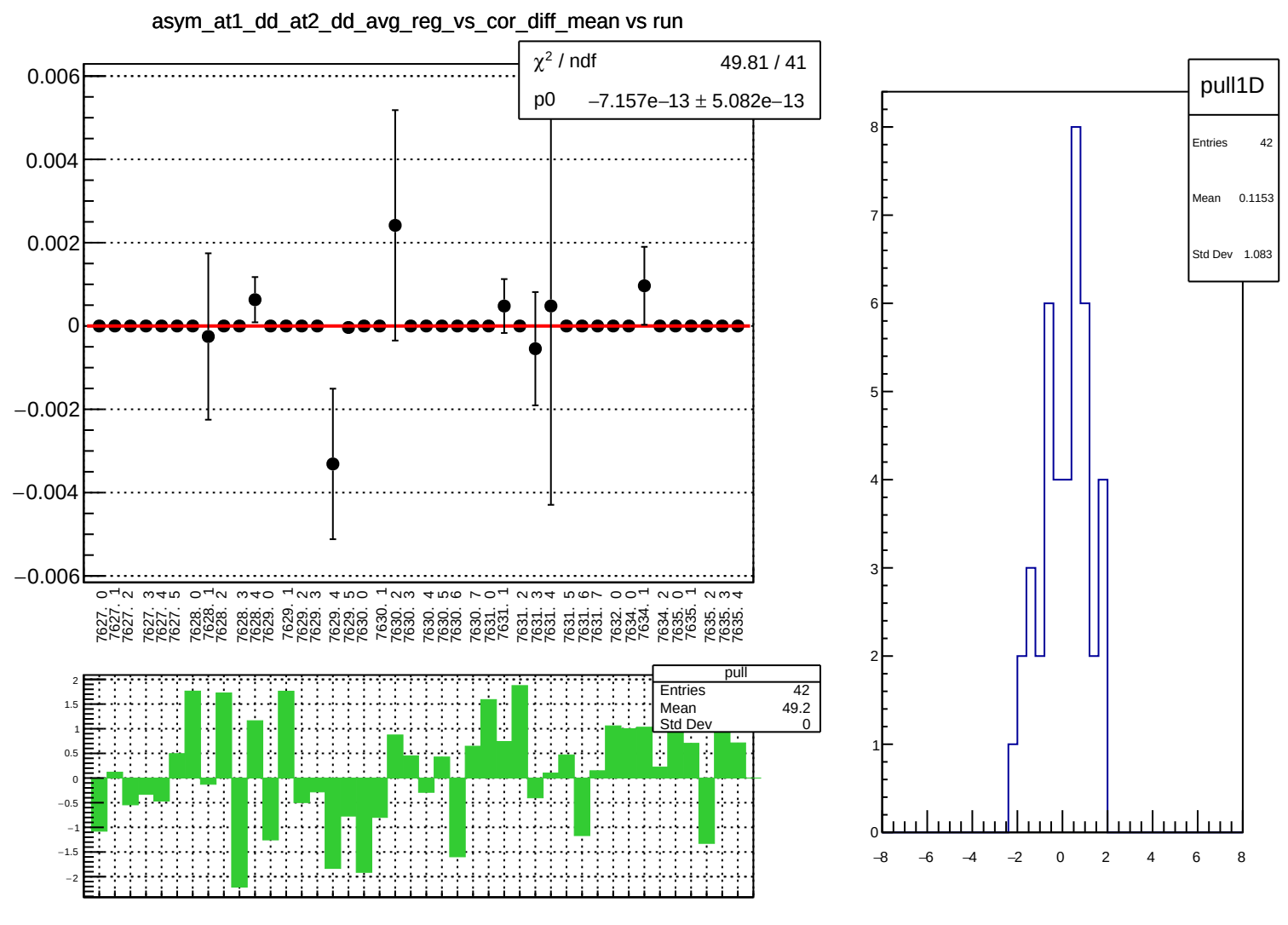

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 27.51 / 41
p0 −2143 ± 3401
pull
Entries 42
Mean 115.1
Std Dev 0
pull1D
Entries 42
Mean 0.01739
Std Dev 0.8092

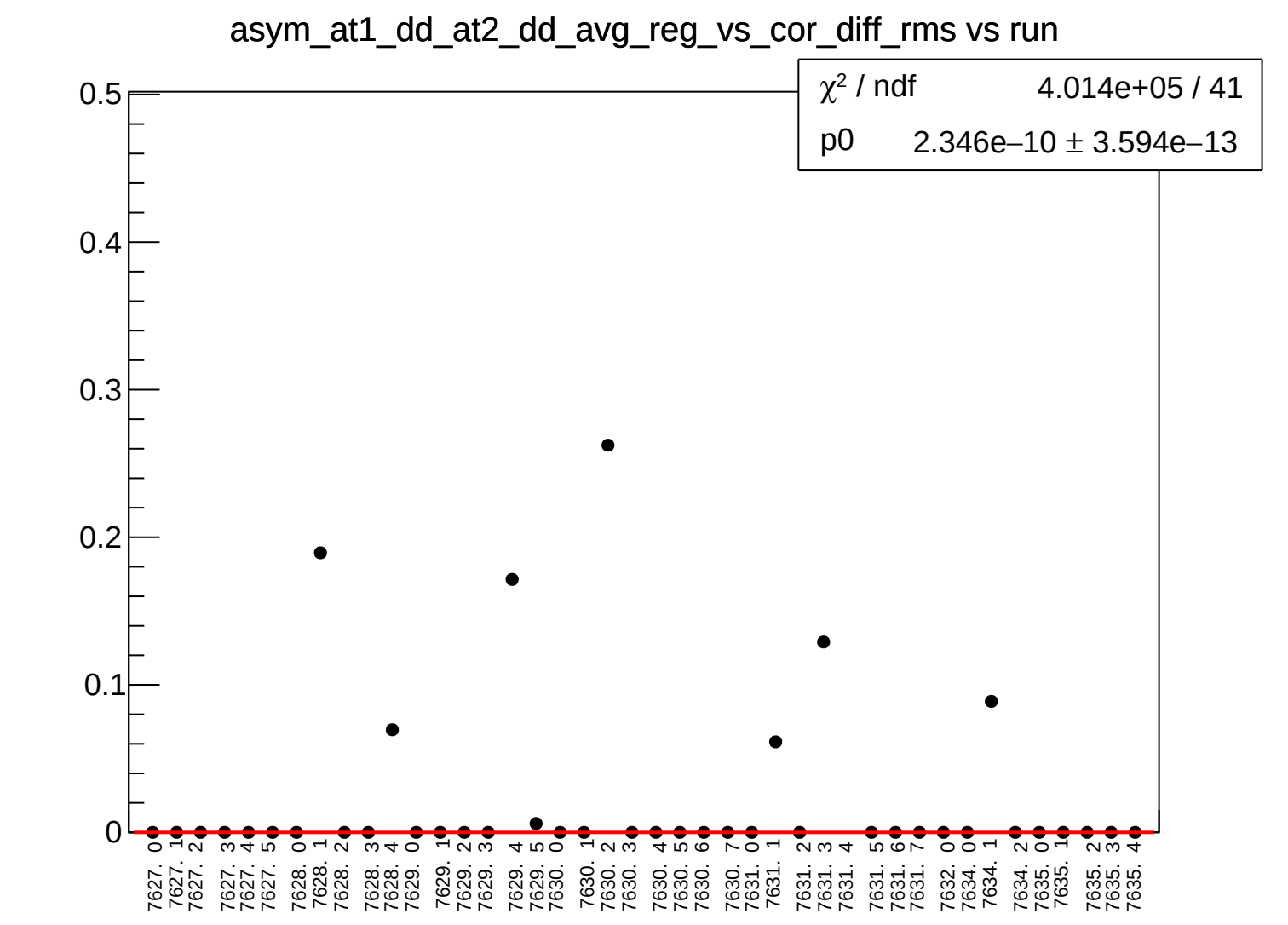

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.301e+04 / 41
p0 2170 ± 2.405
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

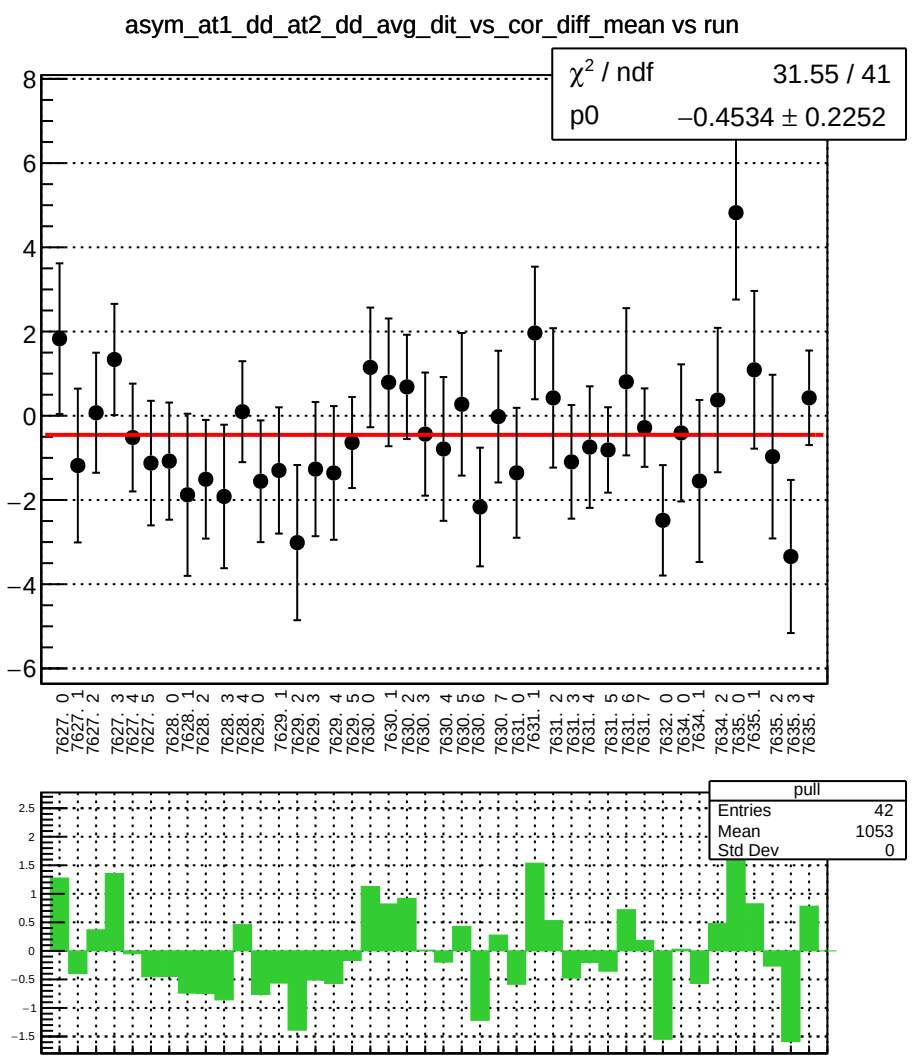

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 42.25 / 41
p0 4472 ± 3876
×10³
pull
Entries 42
Mean −328.7
Std Dev 0

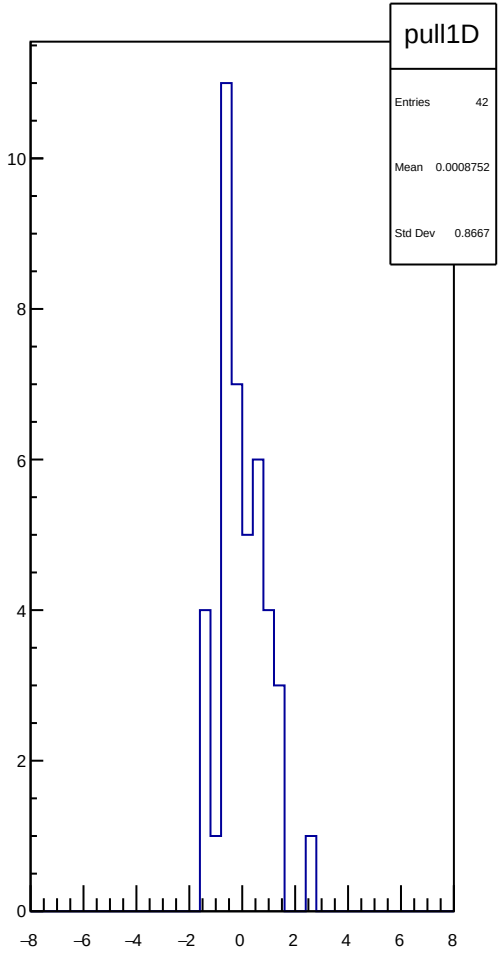

pull1D
Entries 42
Mean 0.002137
Std Dev 1.003

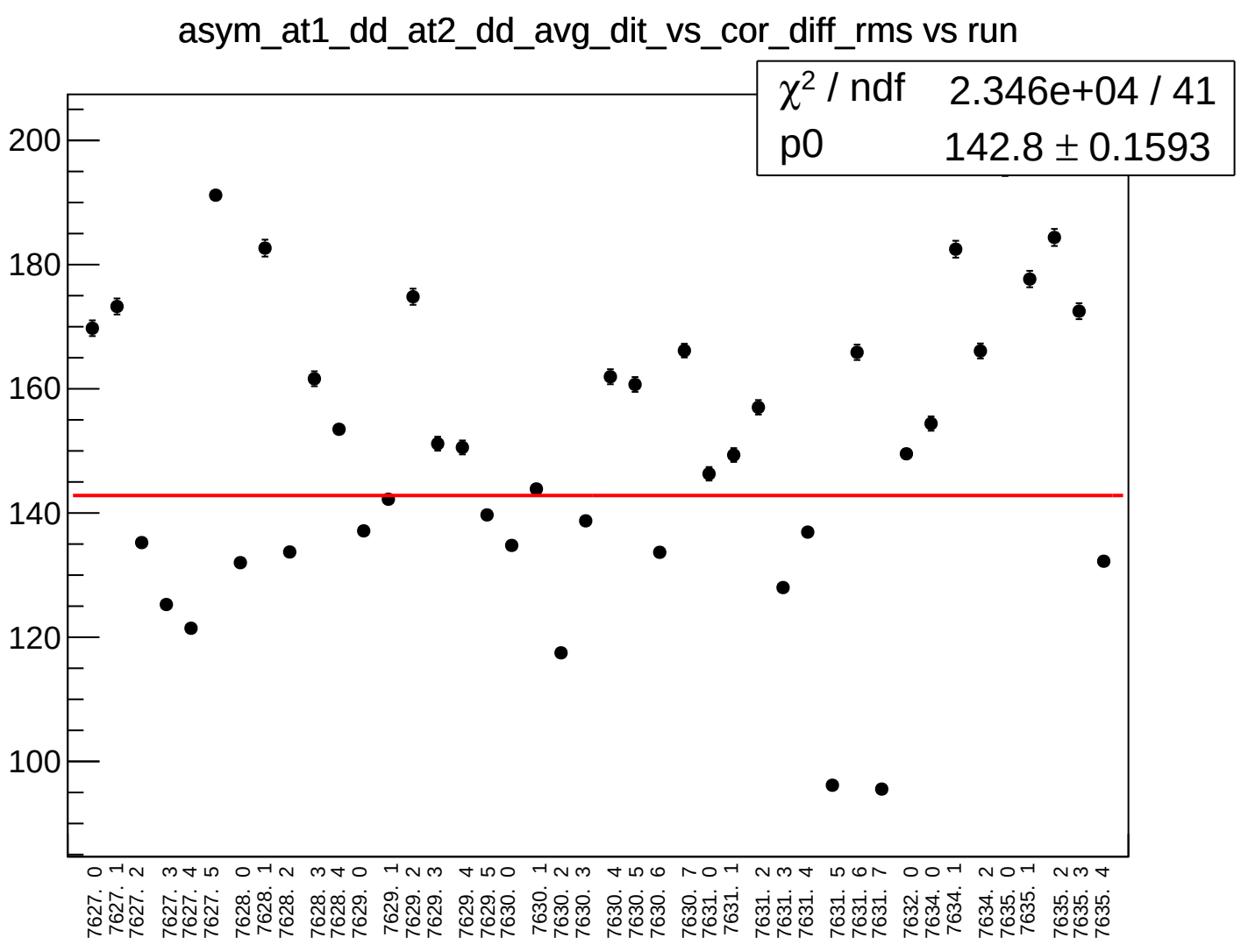

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 7709 / 41
p0 2482 ± 2.741
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

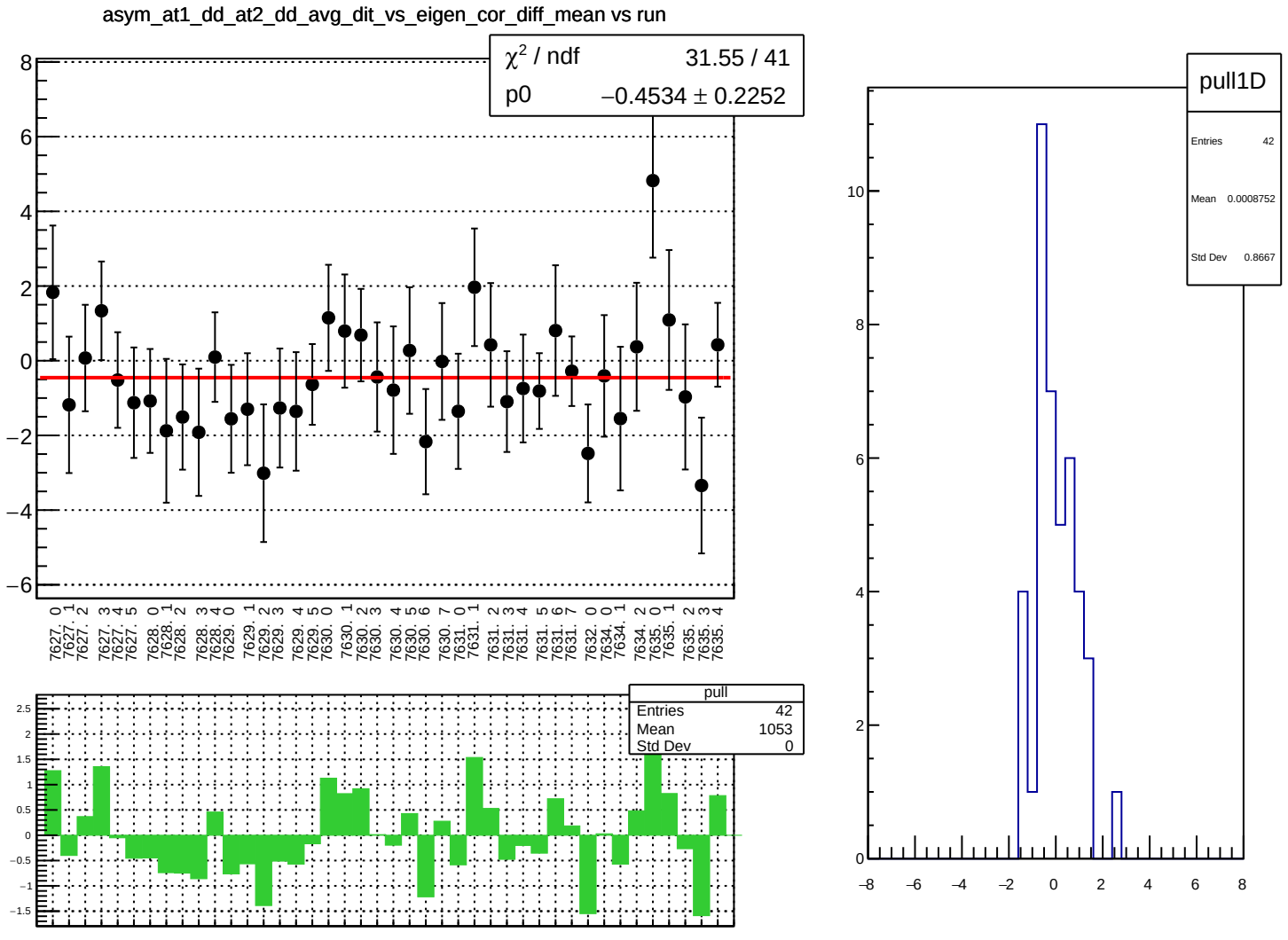

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.81 / 41
p0 −7.157e−13 ± 5.082e−13
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 49.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.1153
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

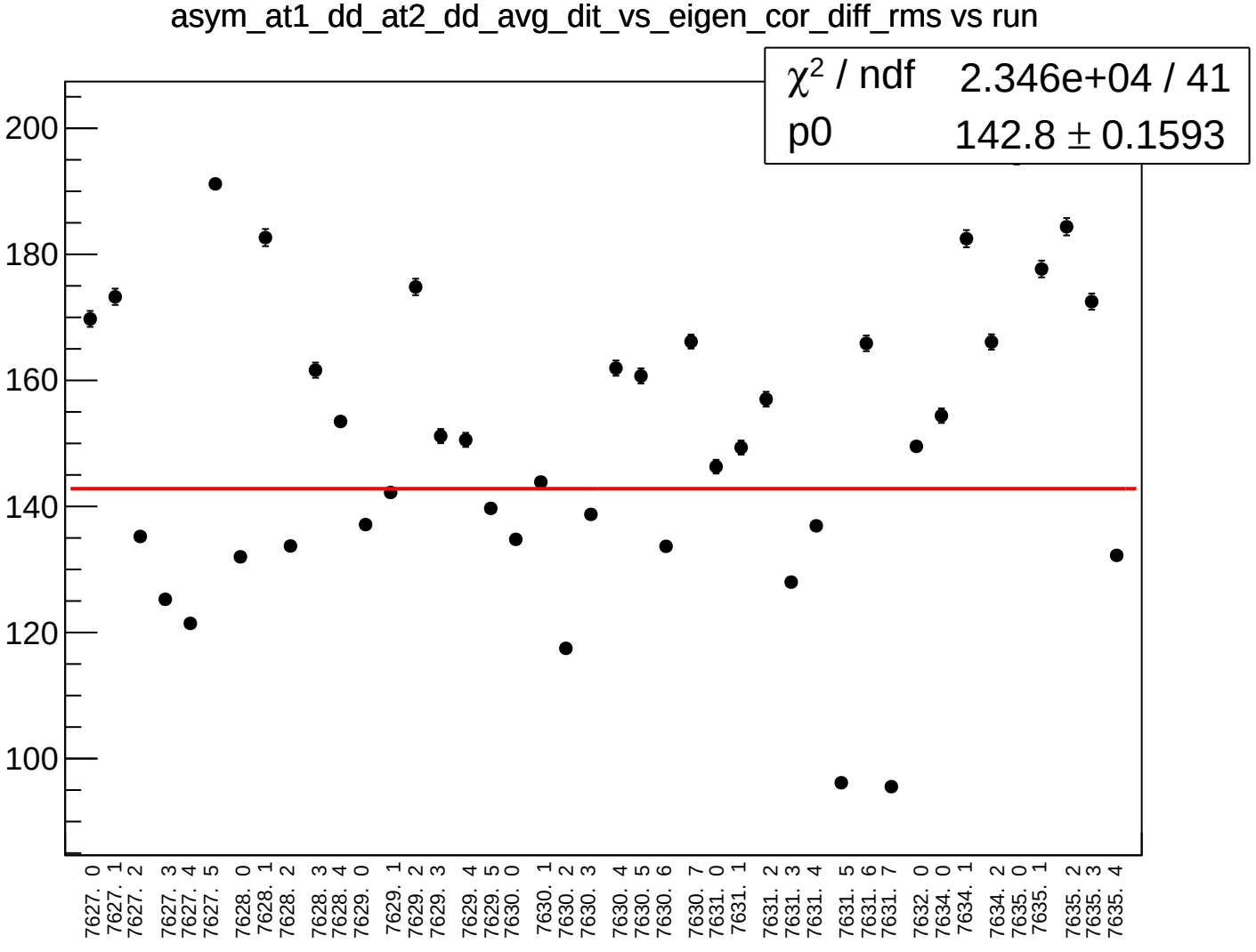

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.014e+05 / 41
p0 2.346e−10 ± 3.594e−13
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

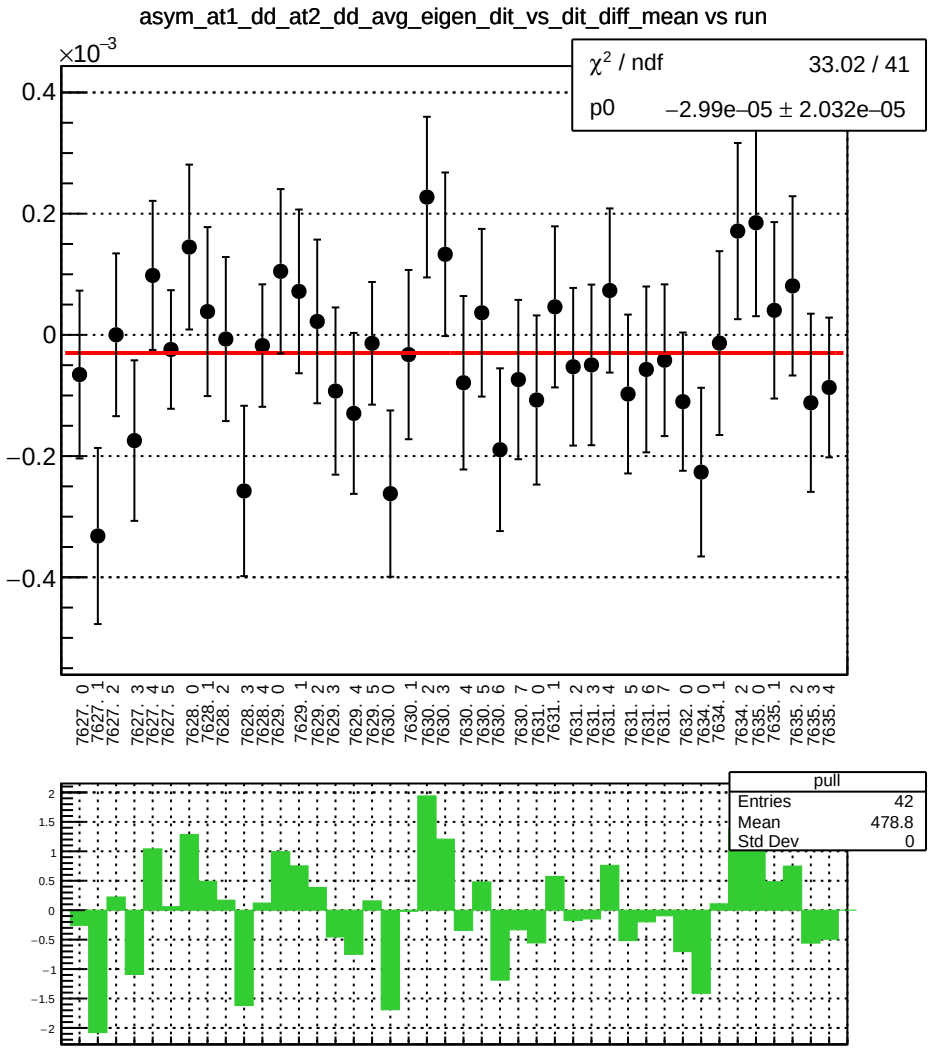

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 31.55 / 41
p0 −0.4534 ± 0.2252
pull
Entries 42
Mean 1053
Std Dev 0

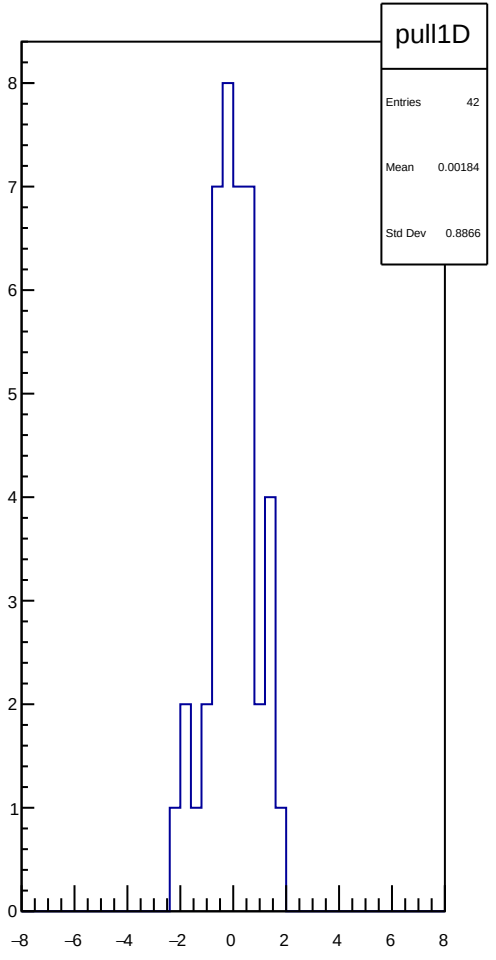

pull1D
Entries 42
Mean 0.0008752
Std Dev 0.8667

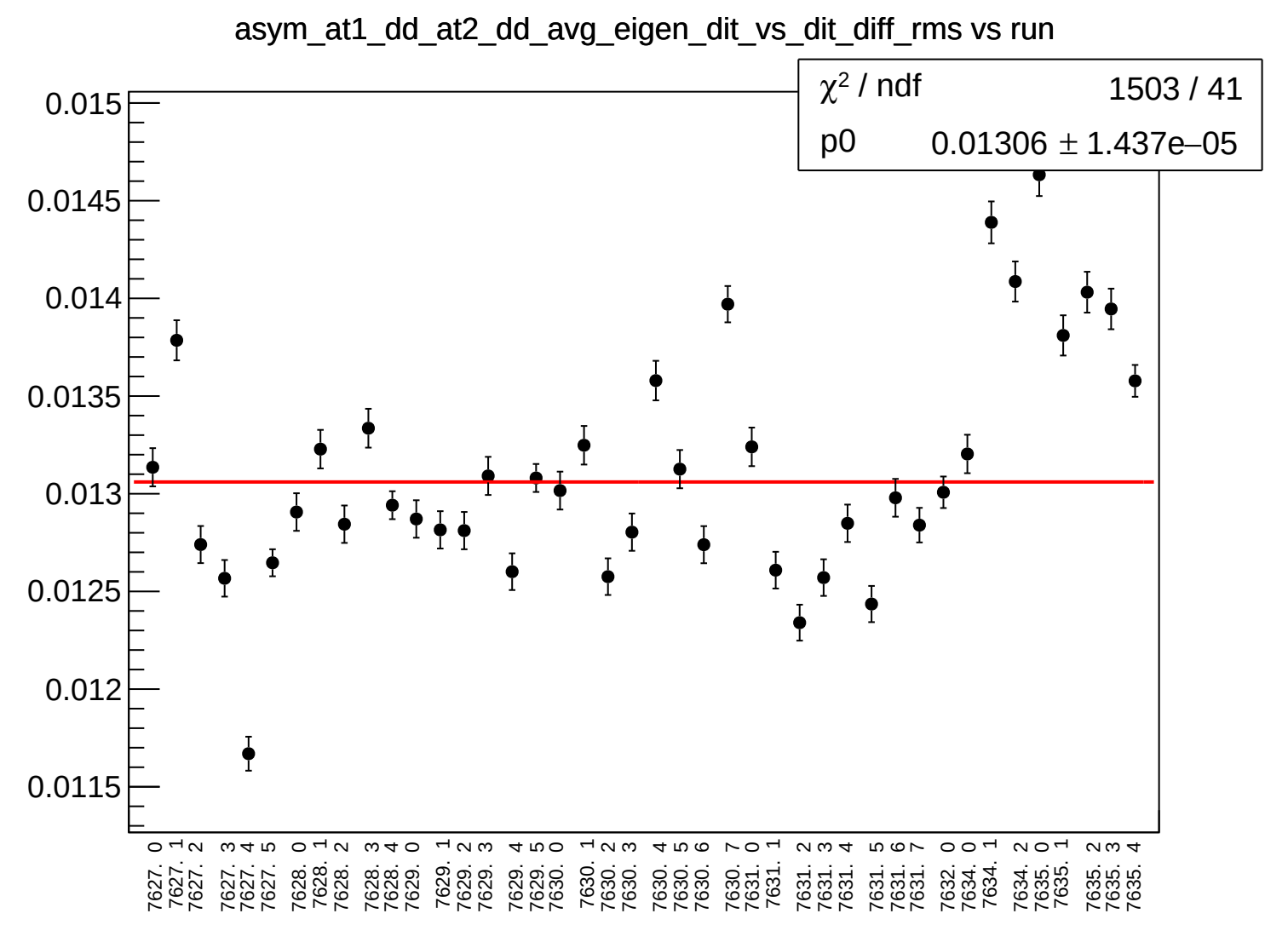

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.346e+04 / 41
p0 142.8 ± 0.1593
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

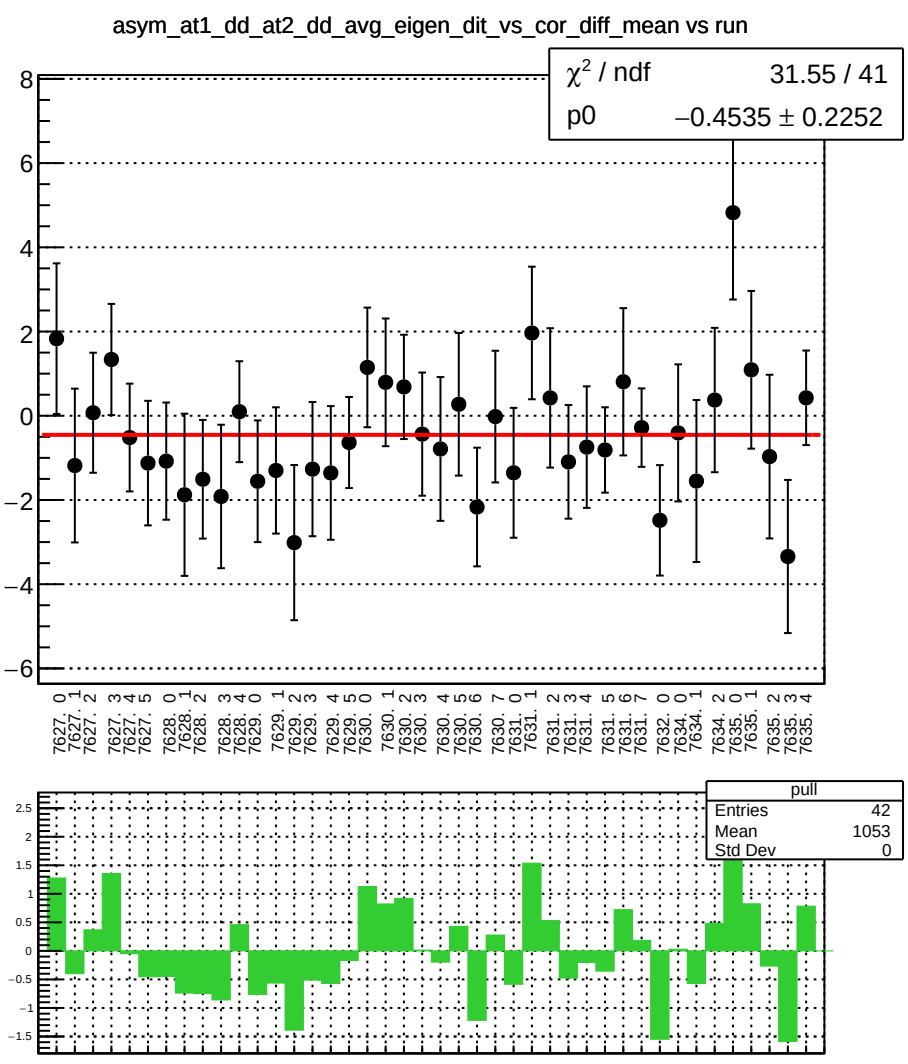

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.55 / 41
p0 −0.4534 ± 0.2252
pull
Entries 42
Mean 1053
Std Dev 0
pull1D
Entries 42
Mean 0.0008752
Std Dev 0.8667

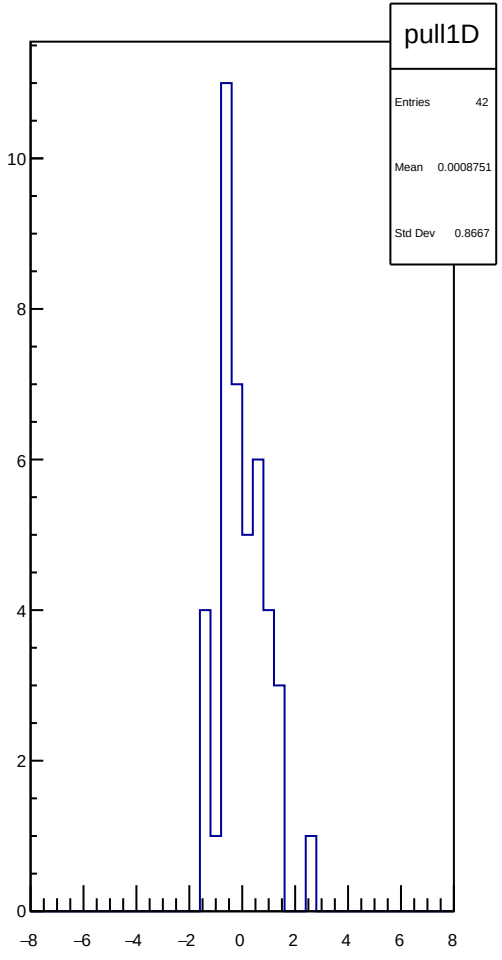

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.346e+04 / 41
p0 142.8 ± 0.1593
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

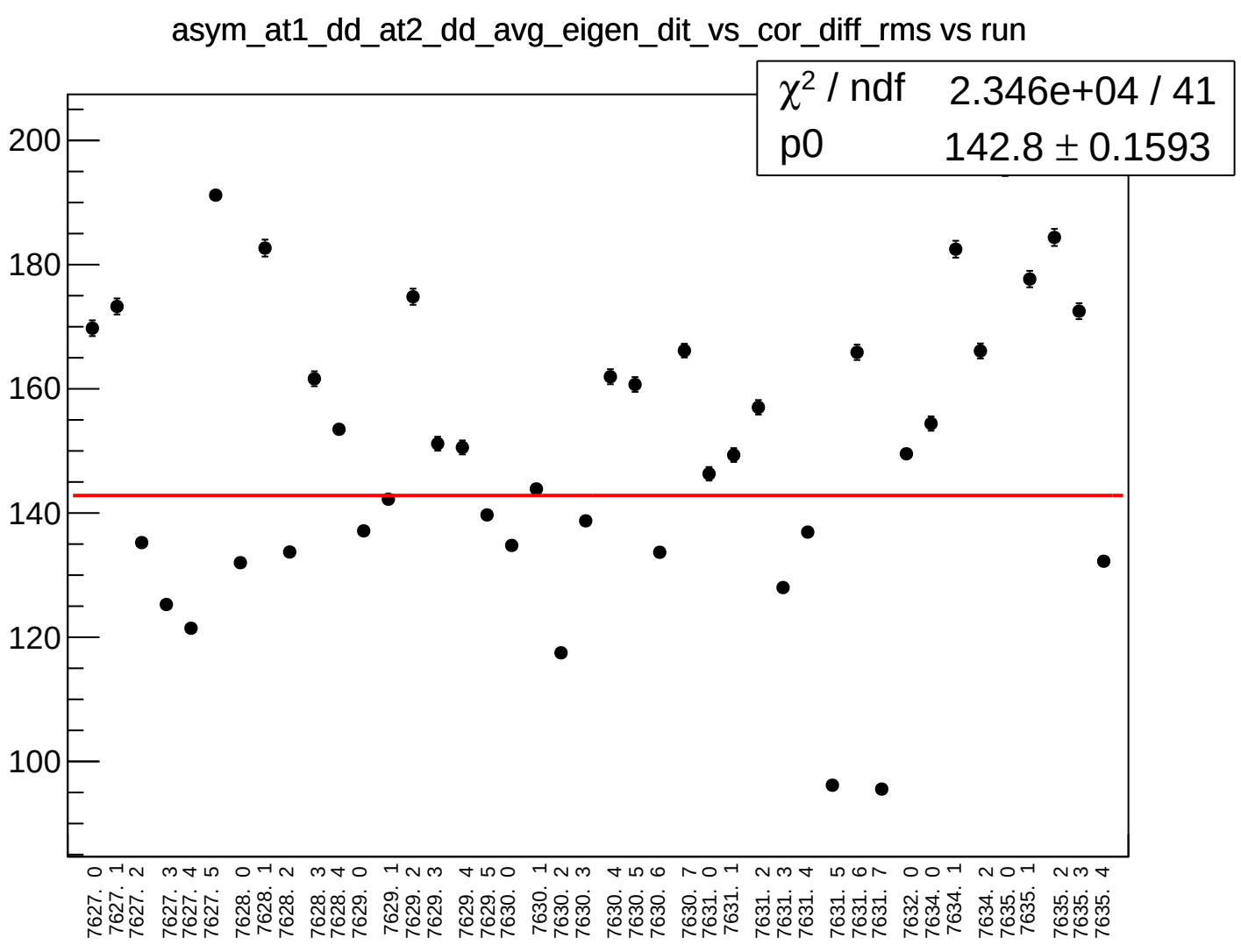

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.02 / 41
p0 −2.99e−05 ± 2.032e−05
pull
Entries 42
Mean 478.8
Std Dev 0

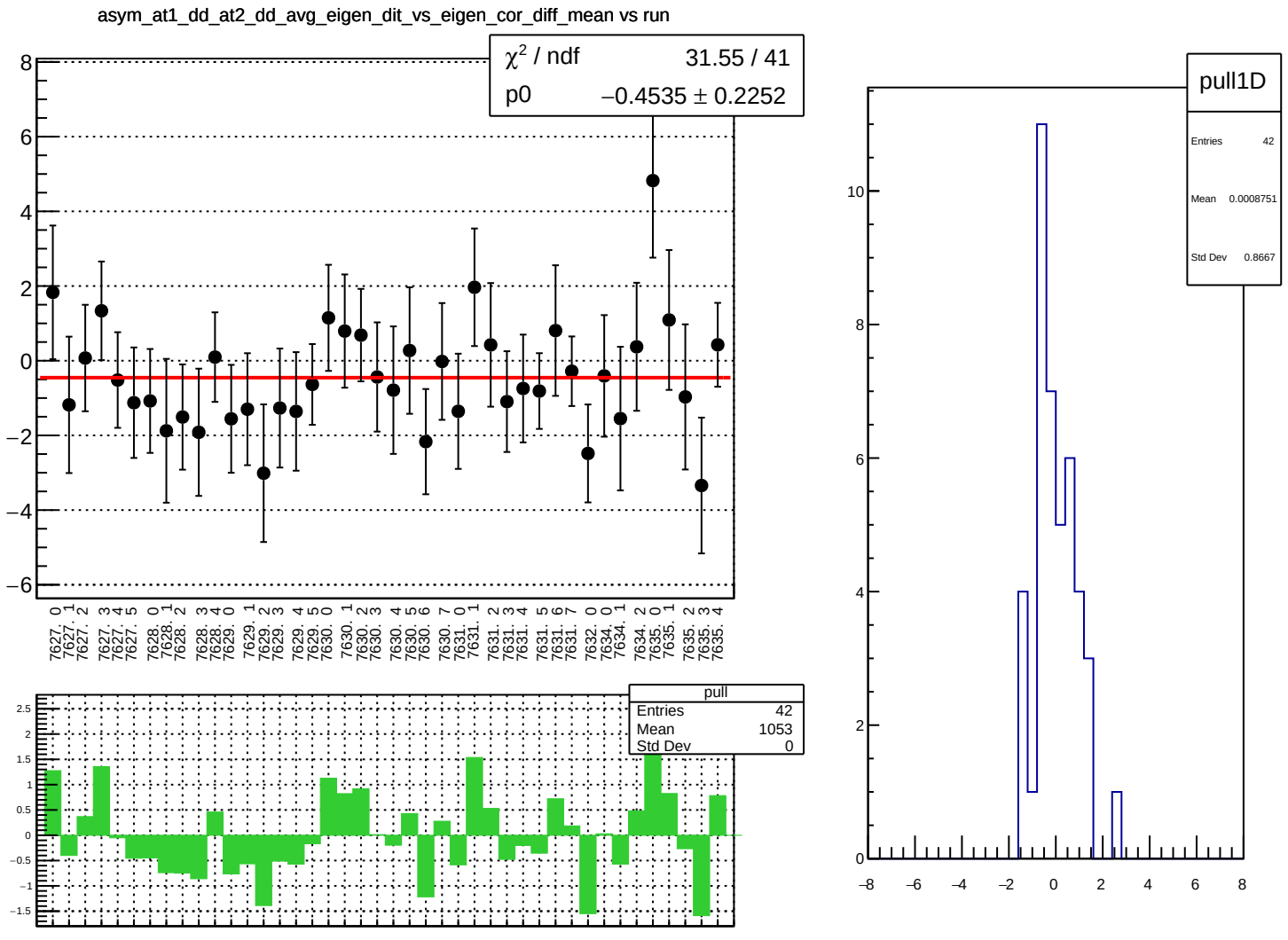

pull1D
Entries 42
Mean 0.00184
Std Dev 0.8866

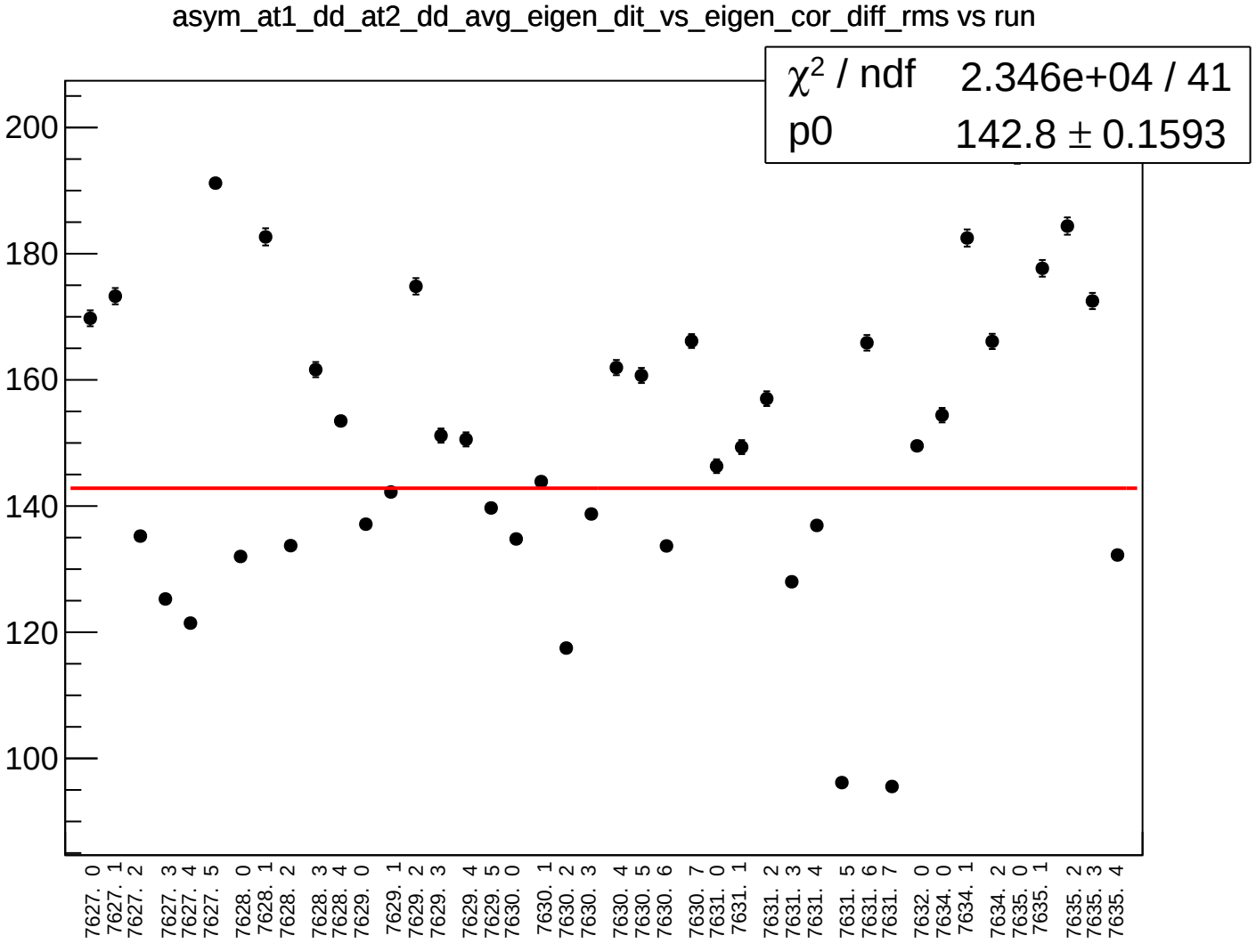

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1503 / 41
p0 0.01306 ± 1.437e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

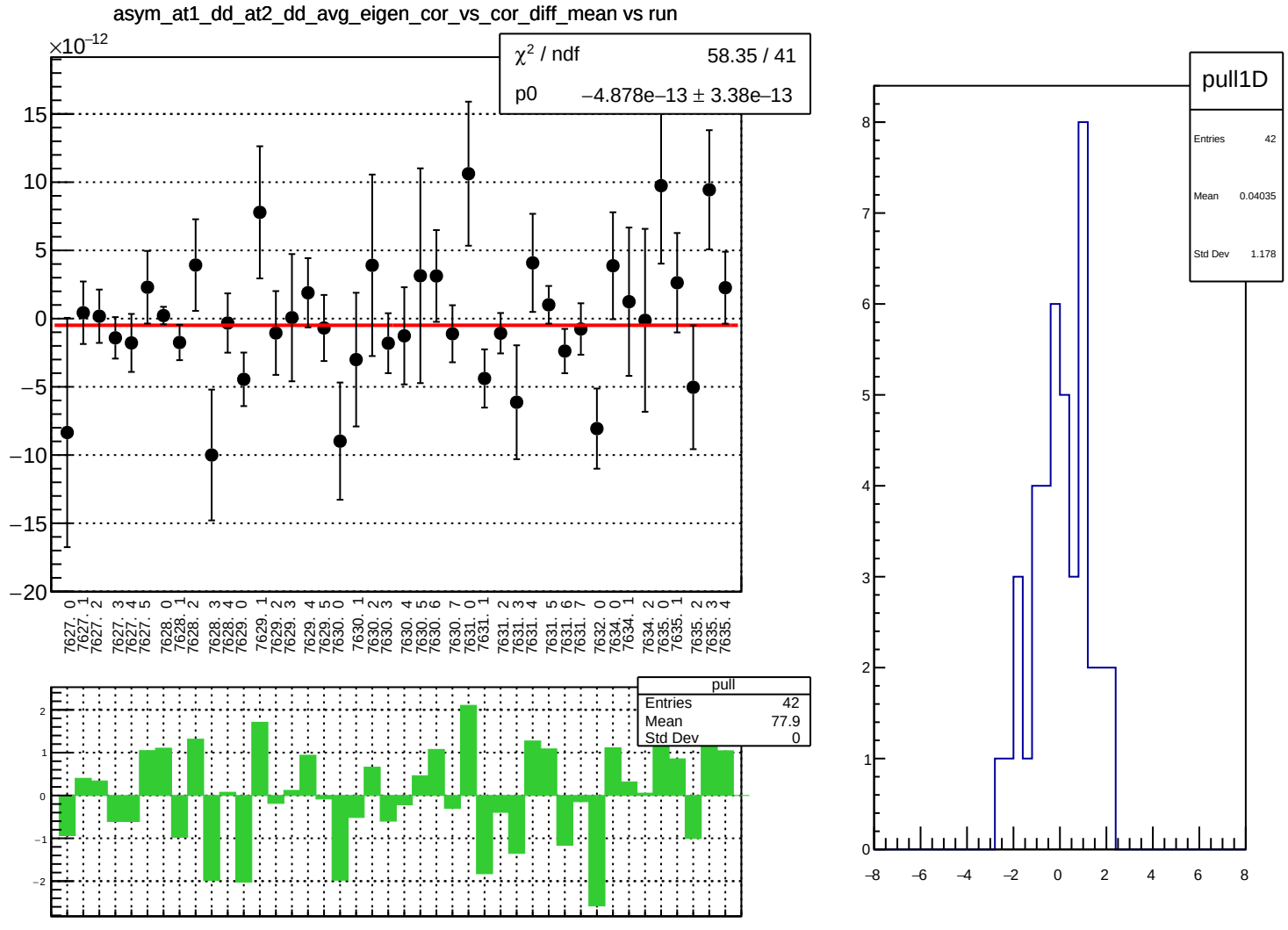

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.55 / 41
p0 −0.4535 ± 0.2252
pull
Entries 42
Mean 1053
Std Dev 0

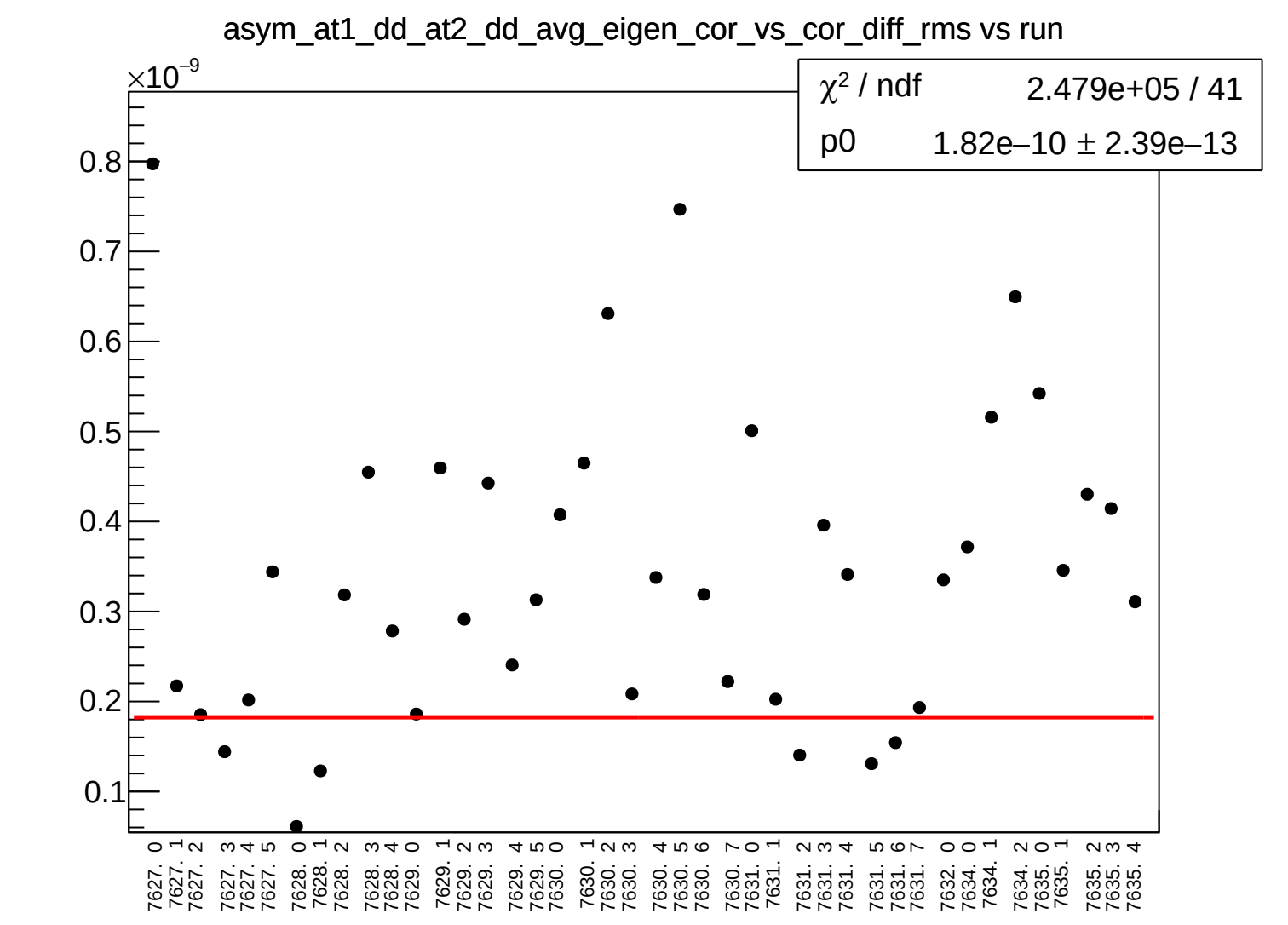

pull1D
Entries 42
Mean 0.0008751
Std Dev 0.8667

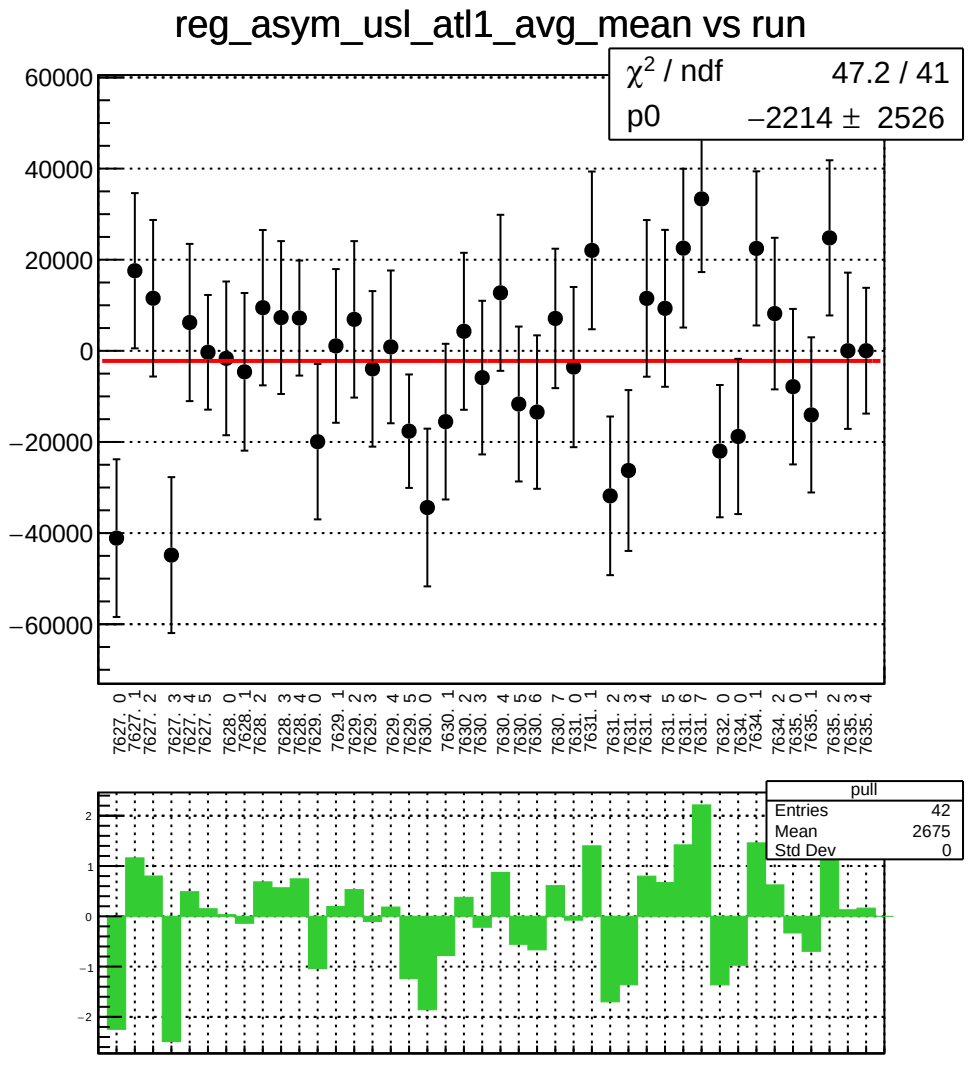

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.346e+04 / 41
p0 142.8 ± 0.1593
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

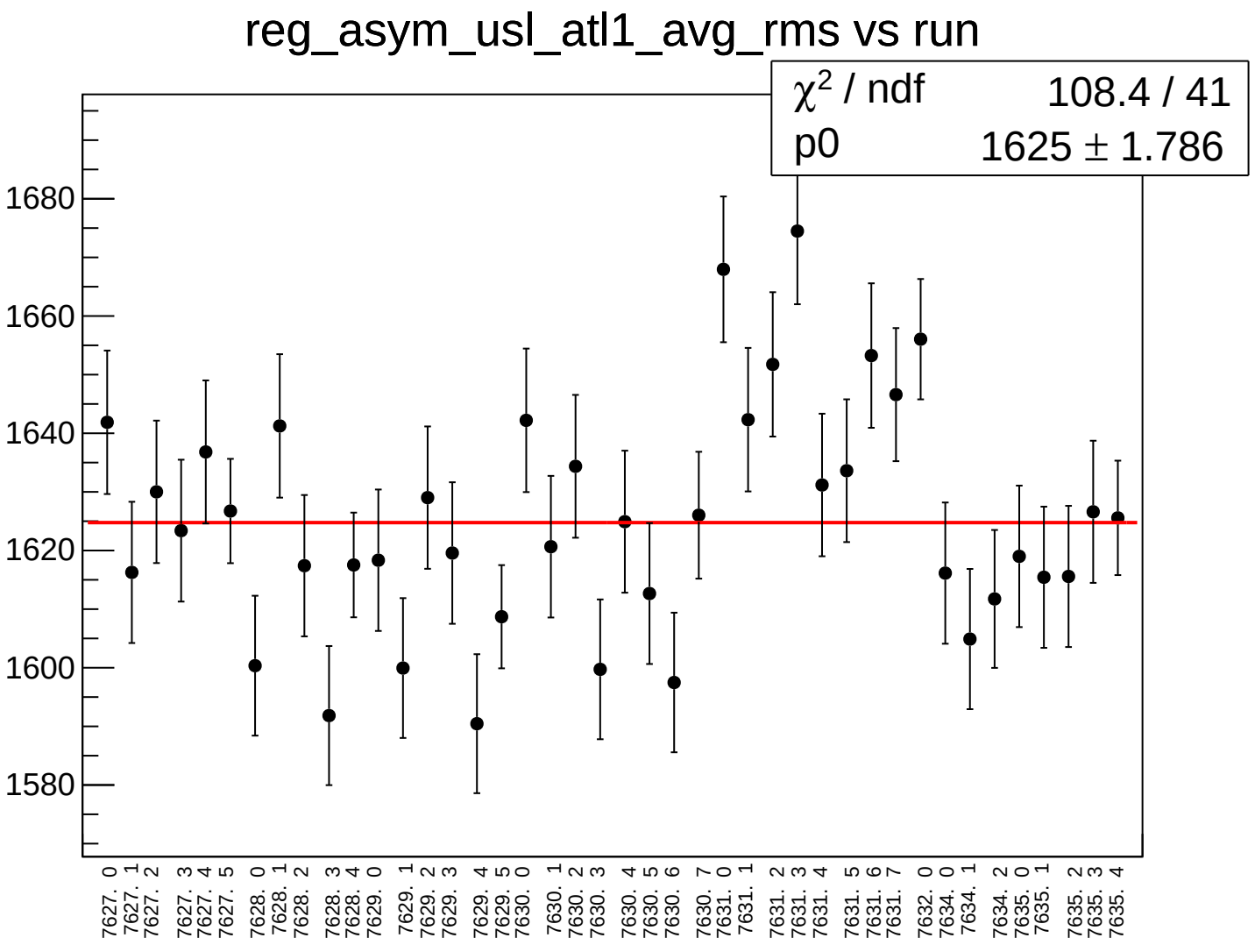

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.55 / 41
p0 −0.4535 ± 0.2252
pull
Entries 42
Mean 1053
Std Dev 0
pull1D
Entries 42
Mean 0.0008751
Std Dev 0.8667

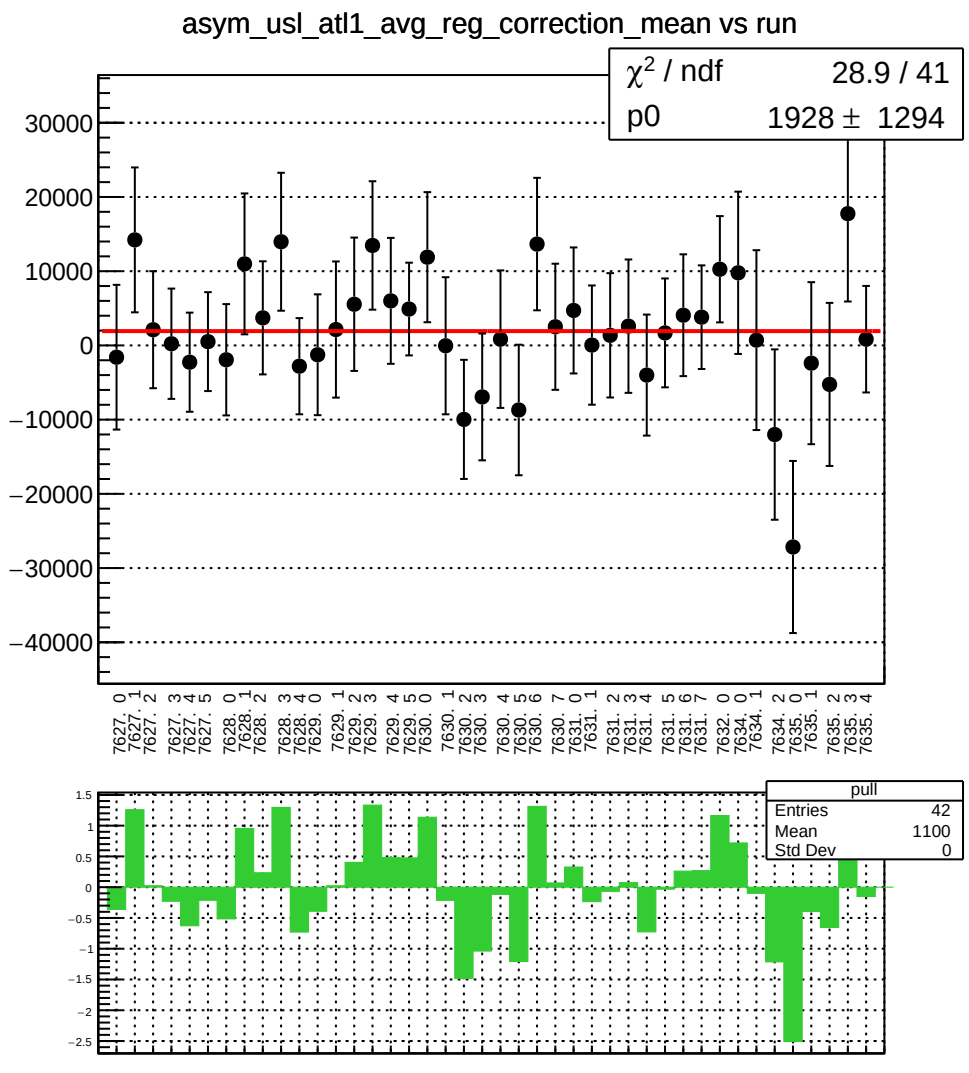

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.346e+04 / 41
p0 142.8 ± 0.1593
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

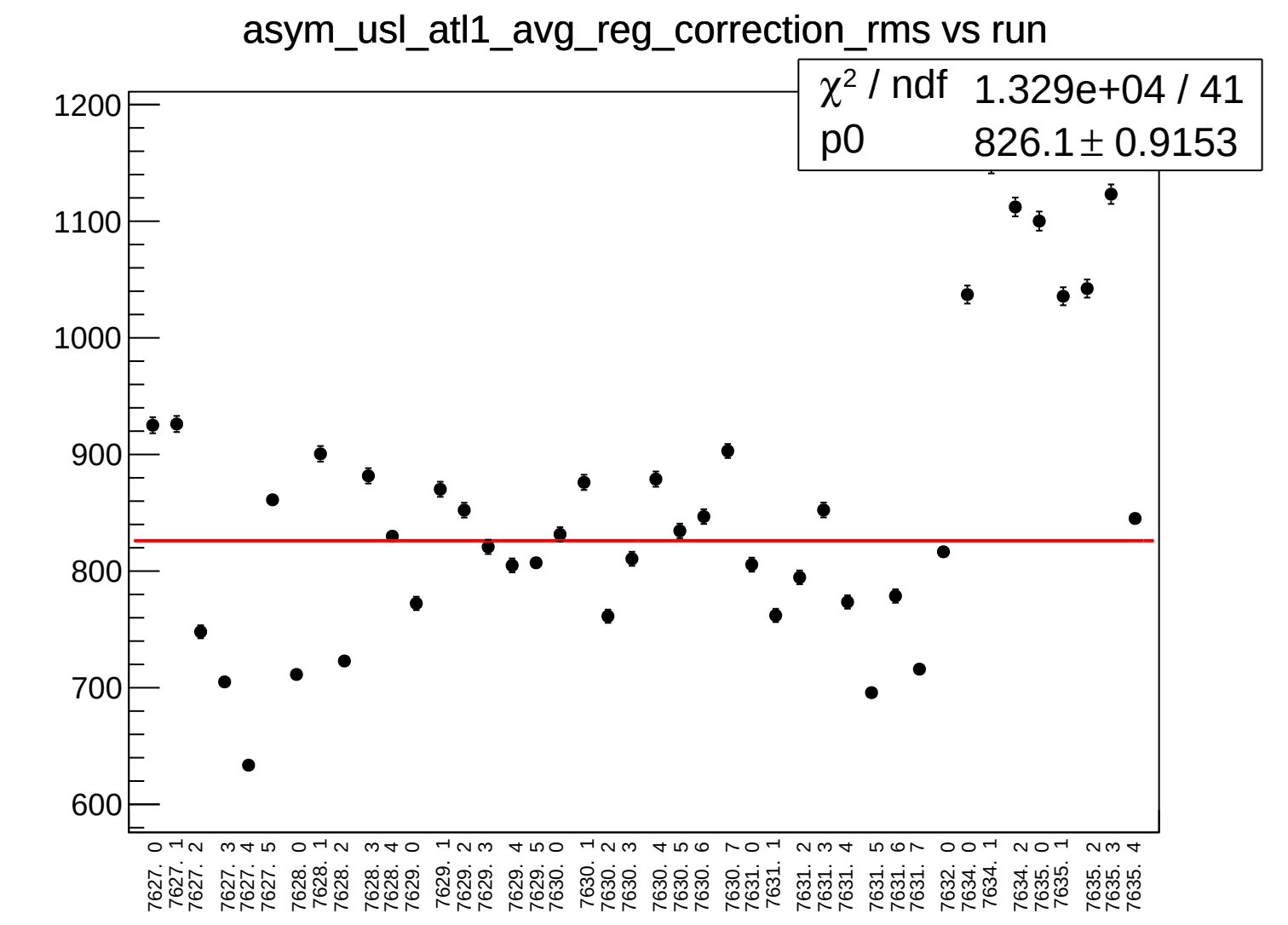

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.35 / 41
p0 −4.878e−13 ± 3.38e−13
pull
Entries 42
Mean 77.9
Std Dev 0
pull1D
Entries 42
Mean 0.04035
Std Dev 1.178

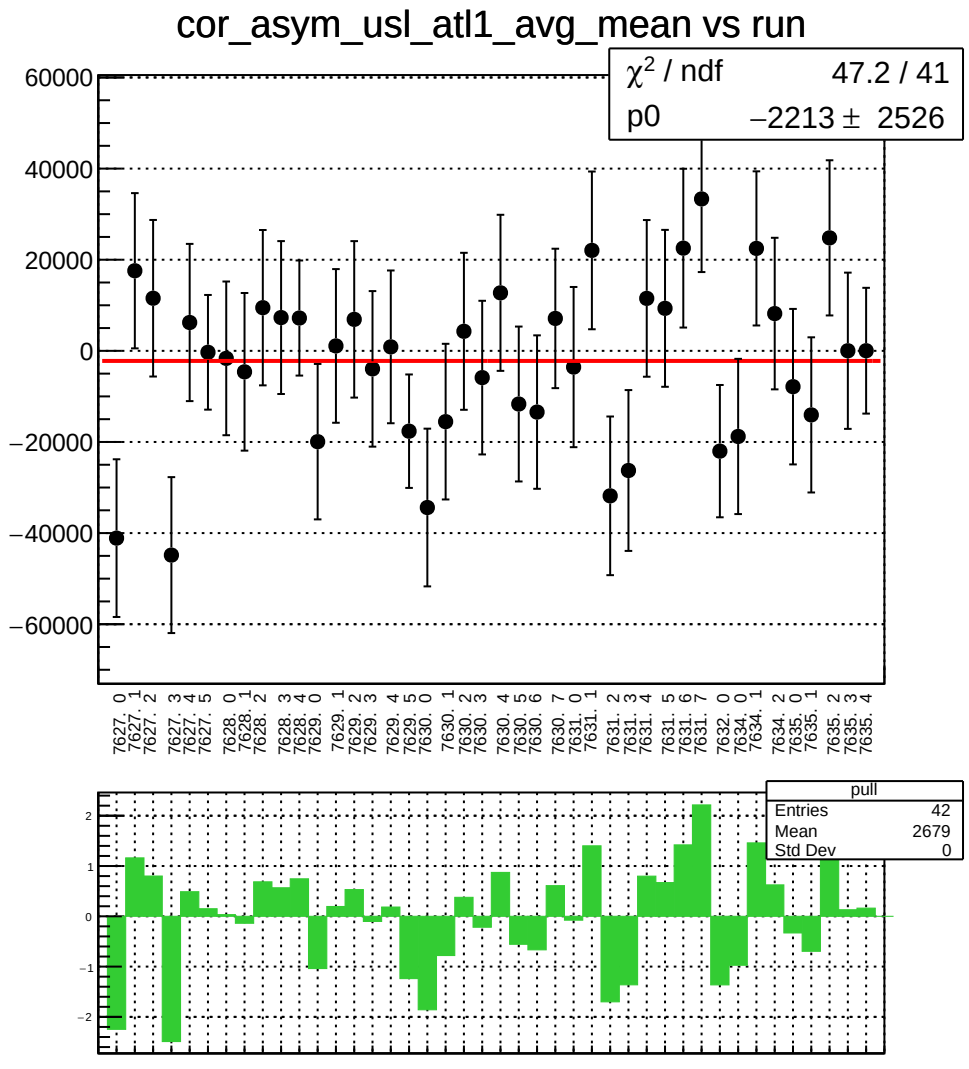

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.479e+05 / 41
p0 1.82e−10 ± 2.39e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

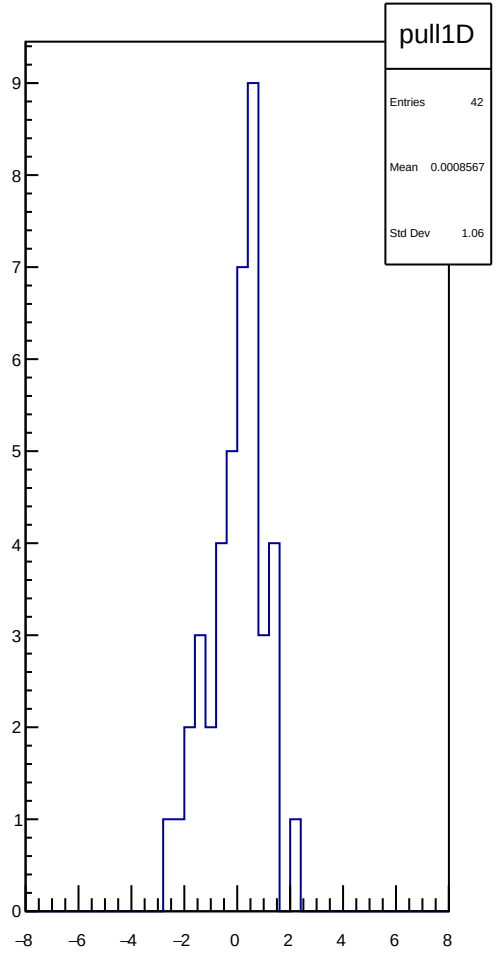

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 47.2 / 41
p0 −2214 ± 2526
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2675
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.0008581
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

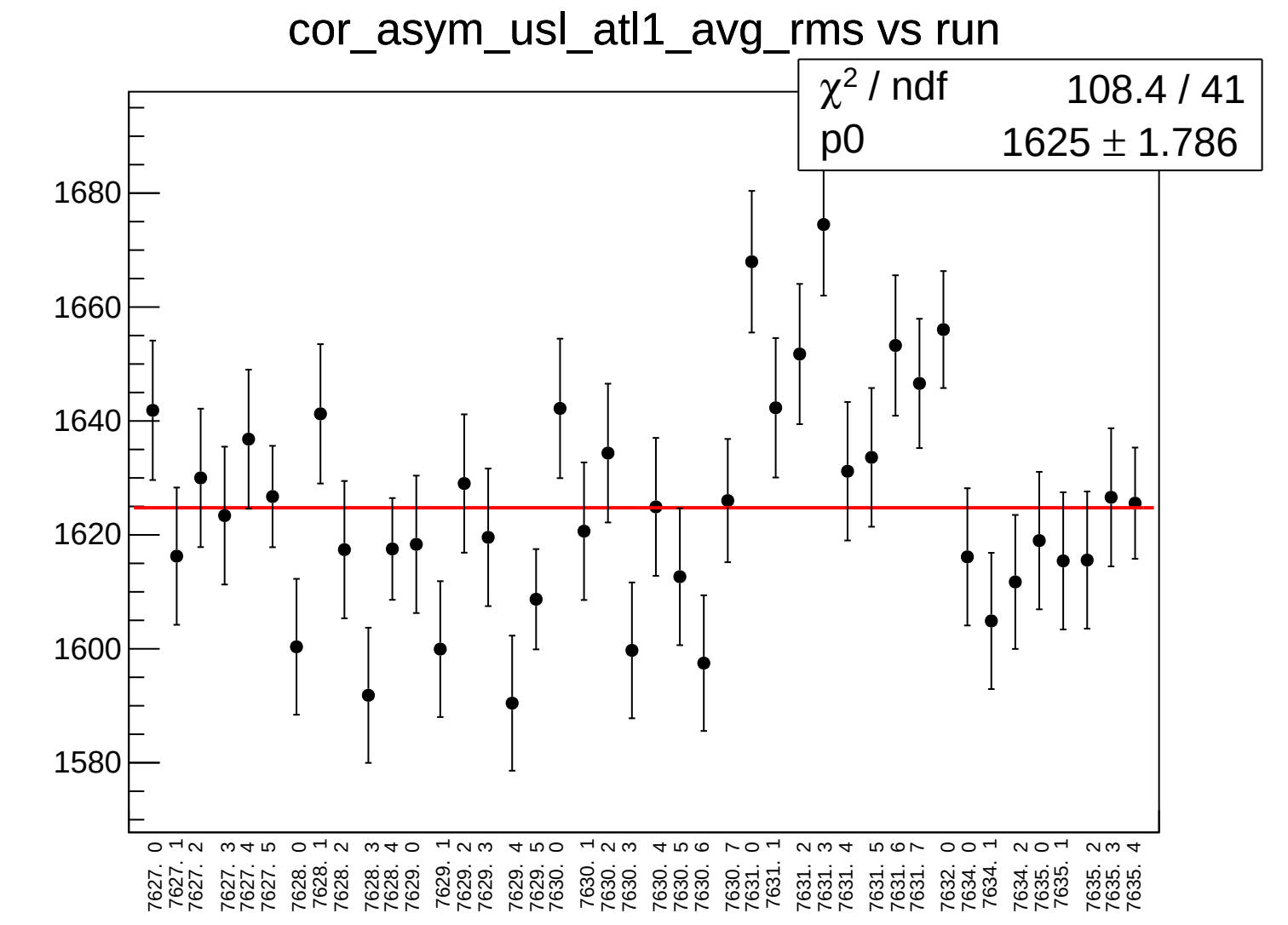

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 108.4 / 41
p0 1625 ± 1.786
1680
1660
1640
1620
1600
1580
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 28.9 / 41
p0 1928 ± 1294
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1100
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.001355
Std Dev 0.8296
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 1.329e+04 / 41
p0 826.1 ± 0.9153
1200
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 47.2 / 41
p0 −2213 ± 2526
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2679
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.0008567
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 108.4 / 41
p0 1625 ± 1.786
1680
1660
1640
1620
1600
1580
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
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7628. 4
7629. 0
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7629. 2
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7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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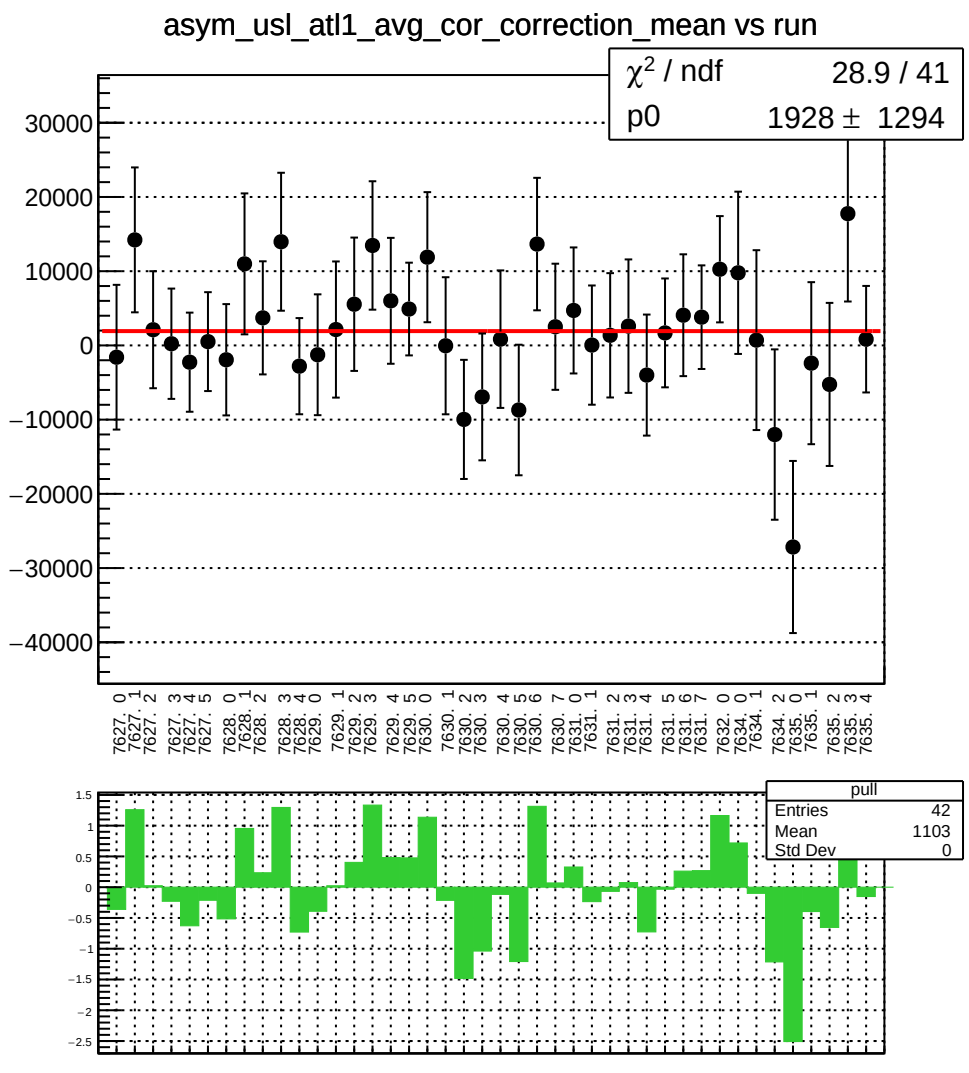
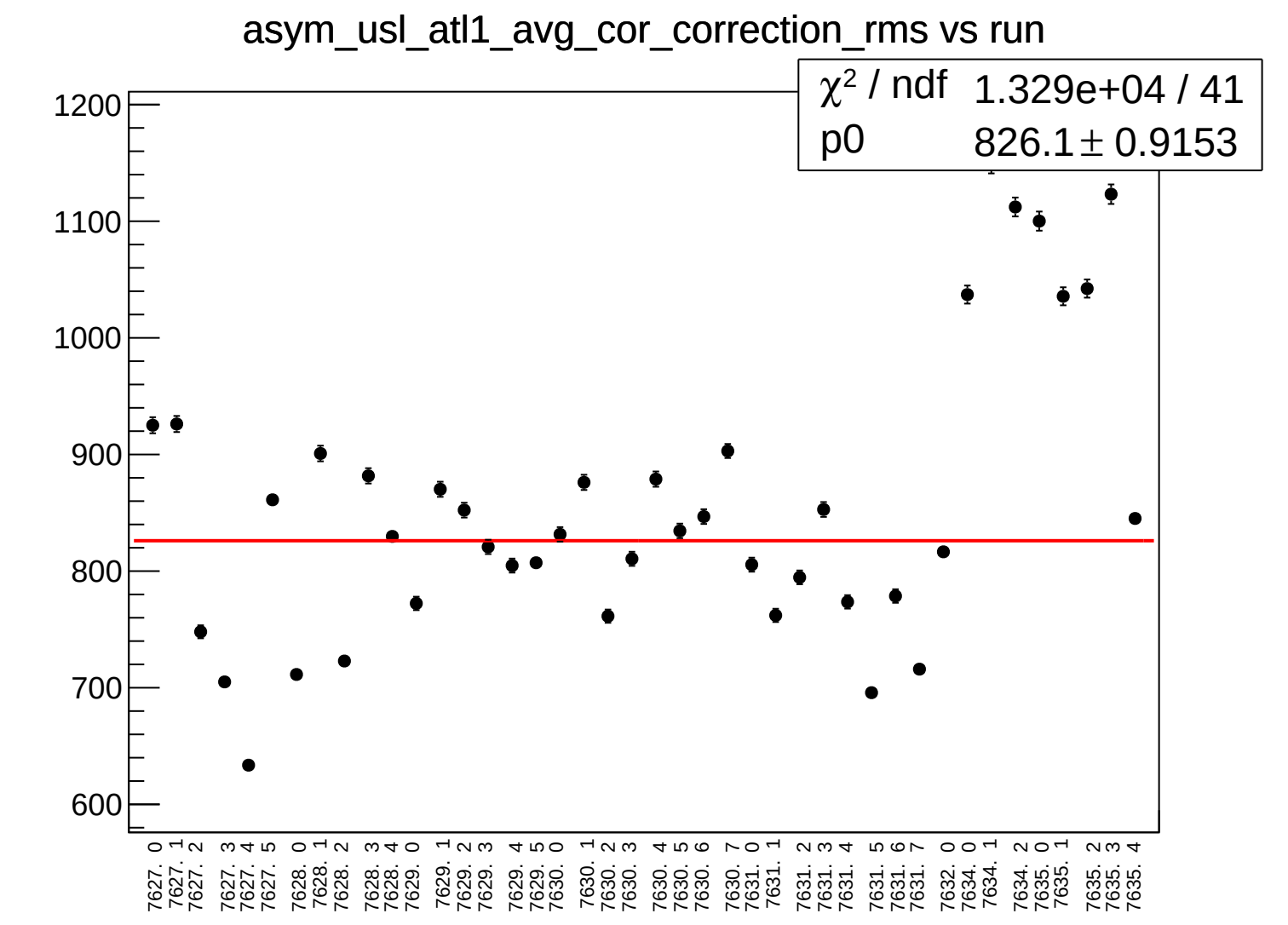
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 28.9 / 41
p0 1928 ± 1294
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1103
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.001351
Std Dev 0.8296
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 1.329e+04 / 41
p0 826.1 ± 0.9153
1200
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
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7631. 5
7631. 6
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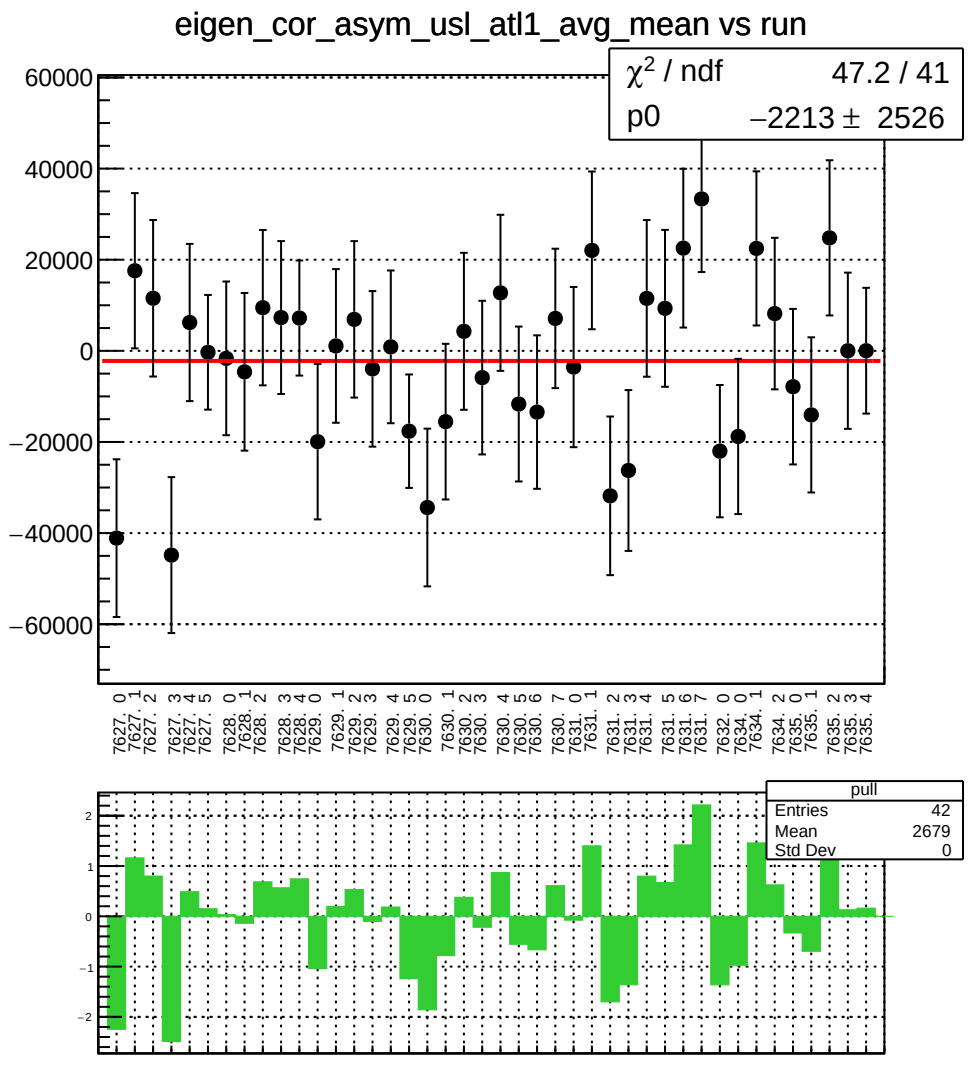
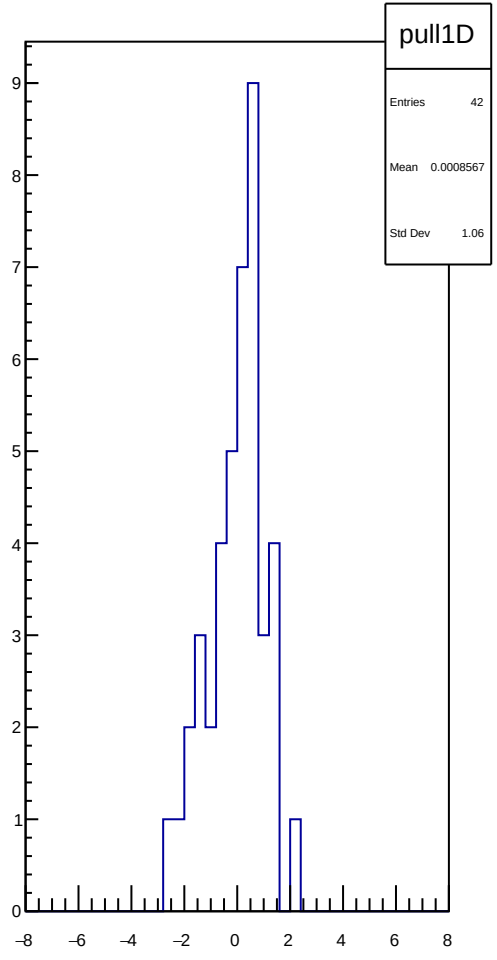
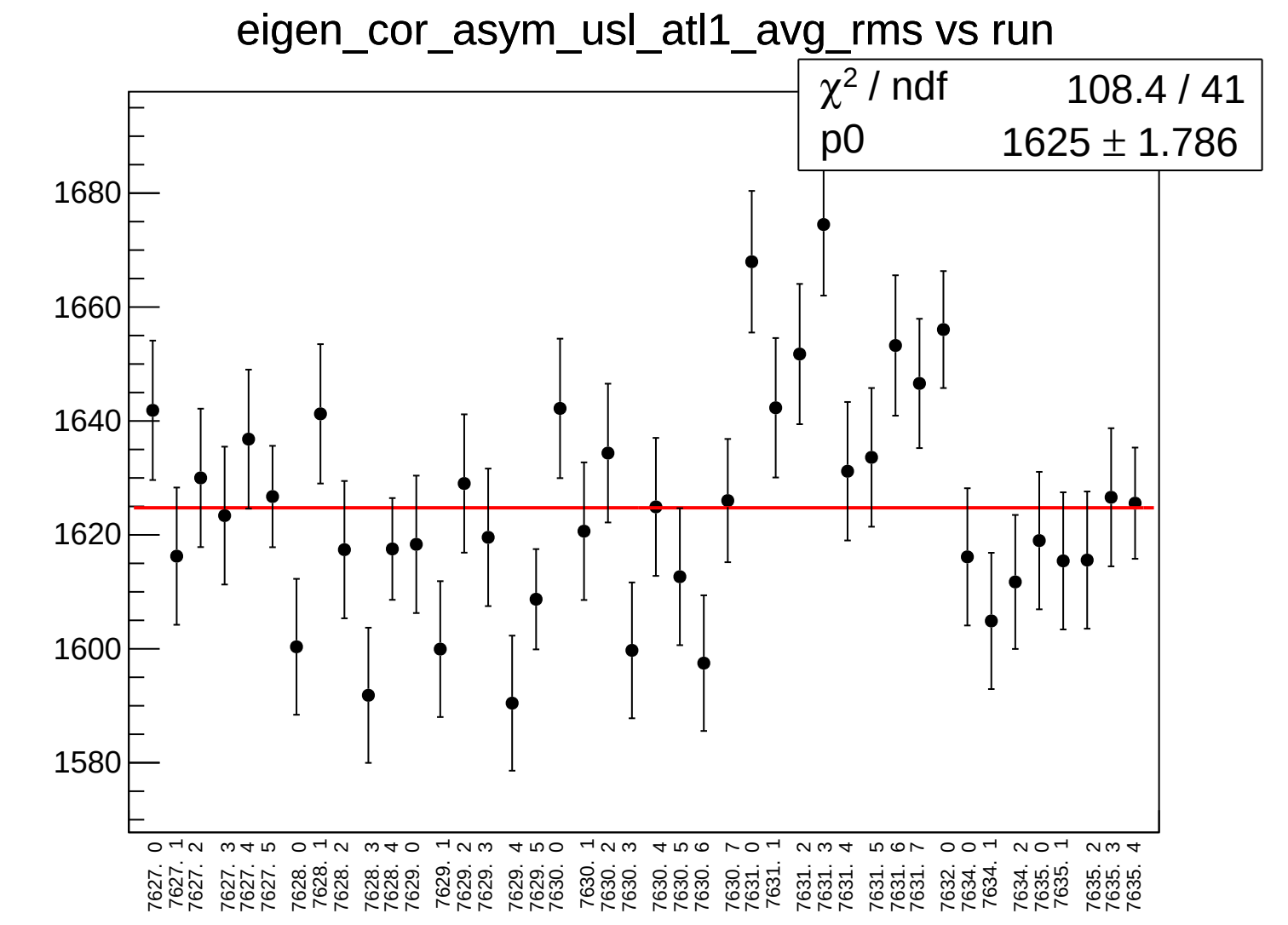
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 47.2 / 41
p0 −2213 ± 2526
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2679
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.0008567
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 108.4 / 41
p0 1625 ± 1.786
1680
1660
1640
1620
1600
1580
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
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7628. 4
7629. 0
7629. 1
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7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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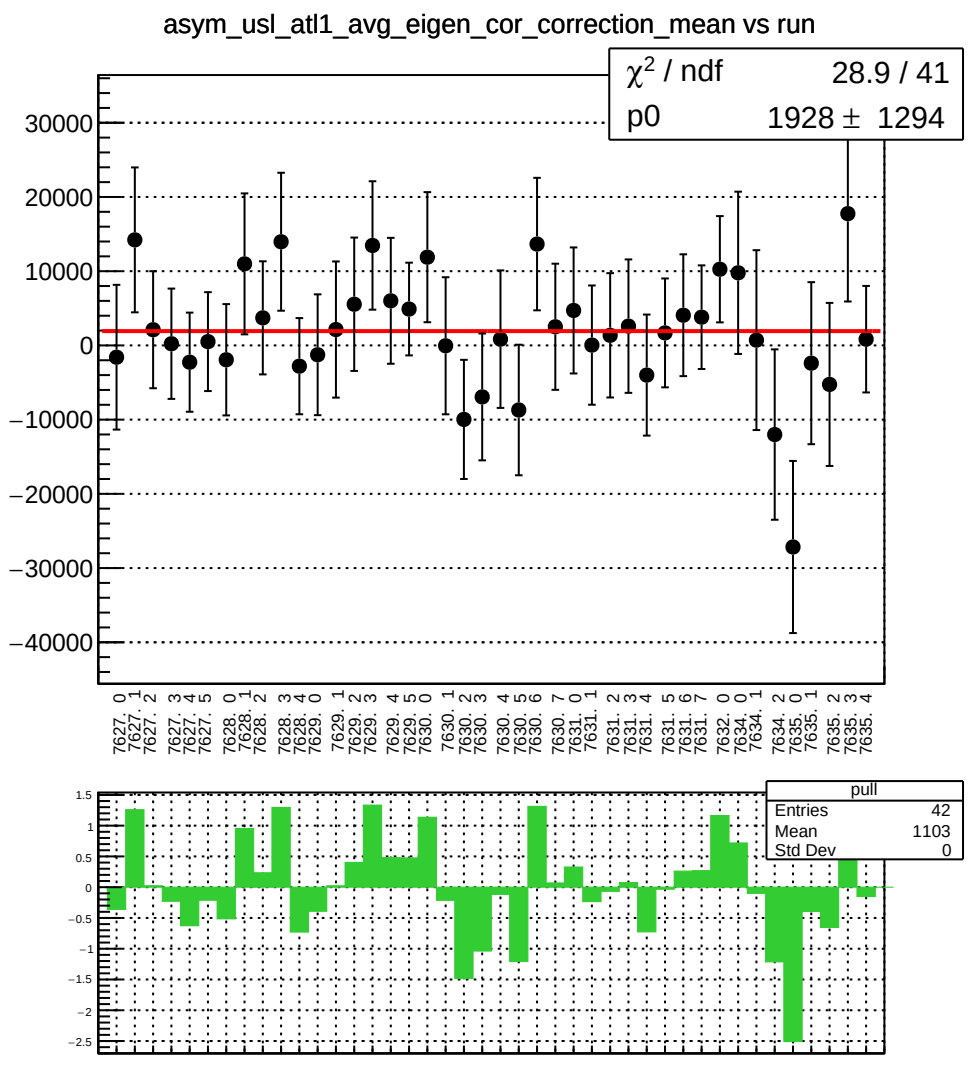
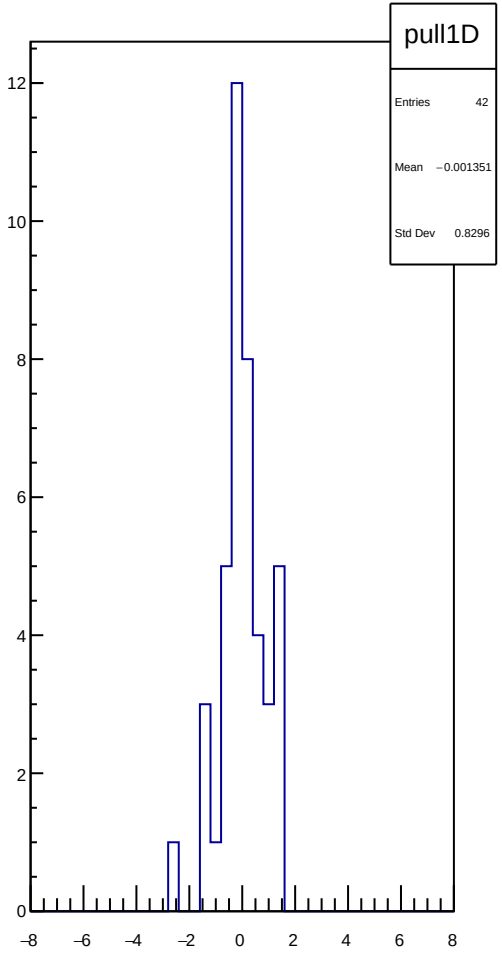
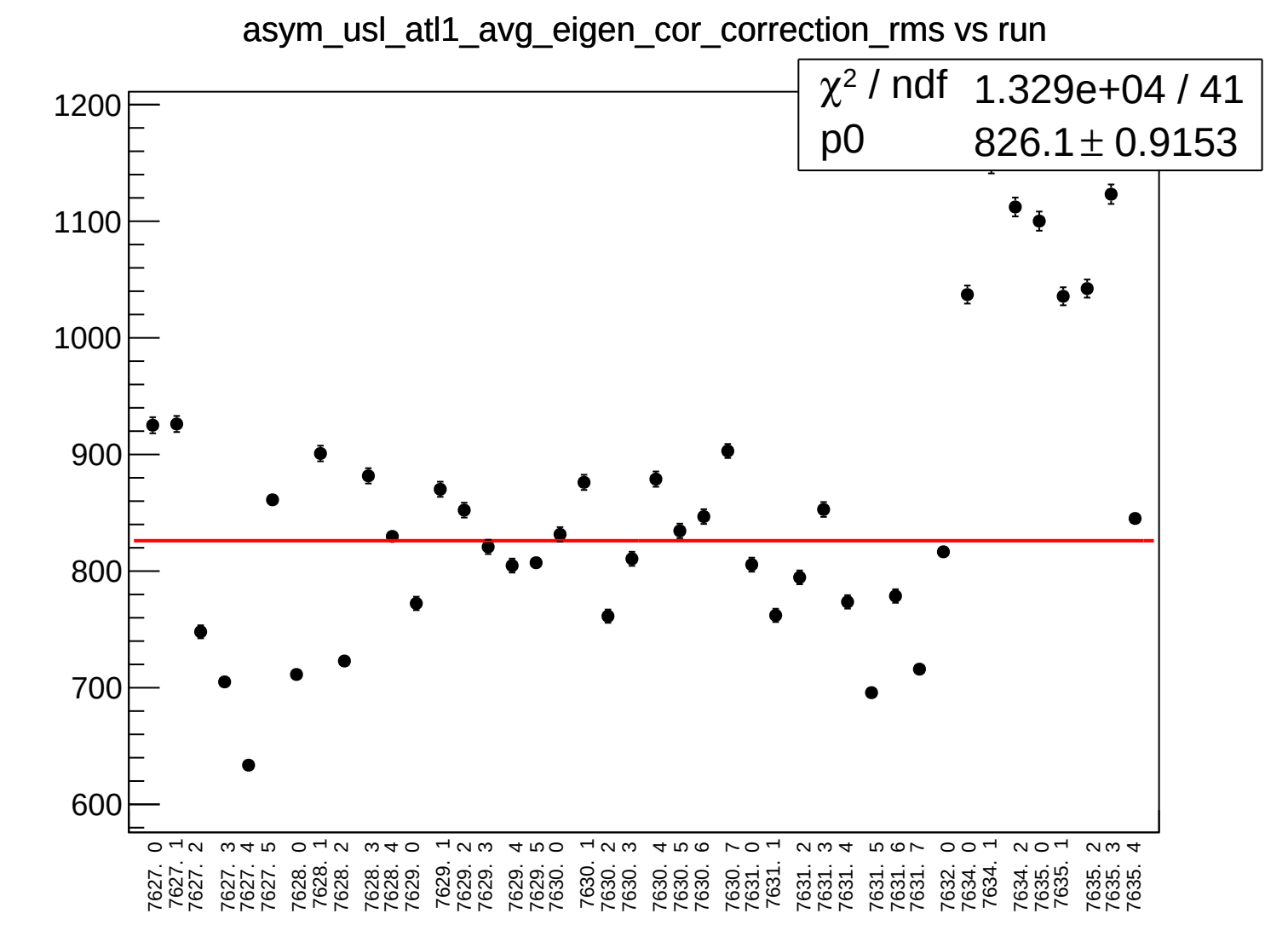
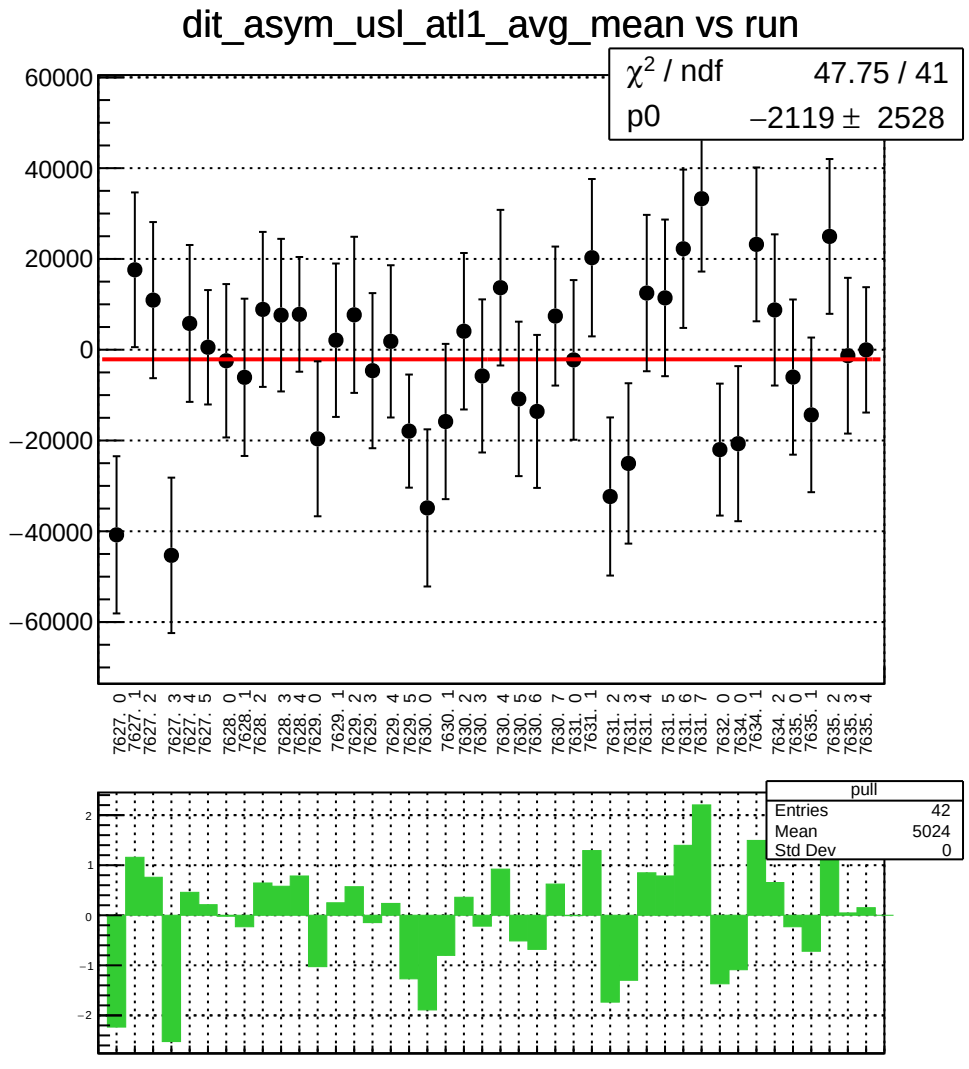
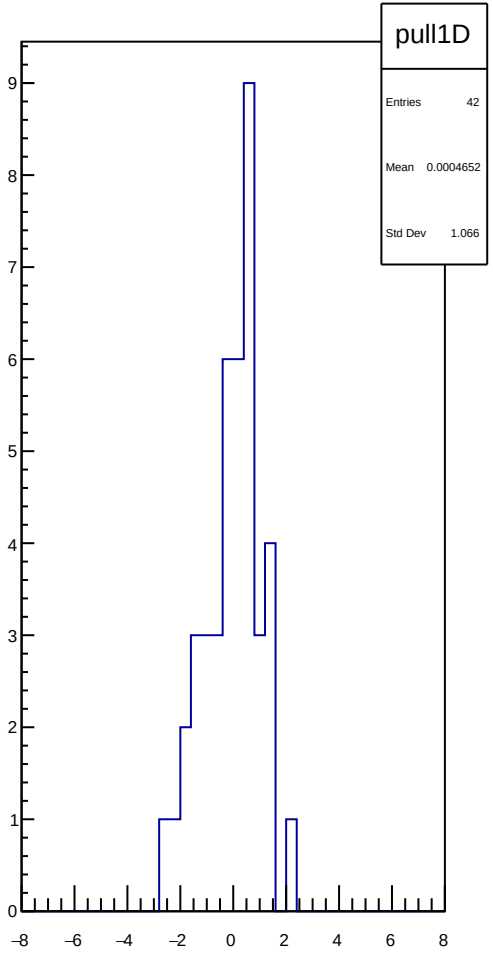
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

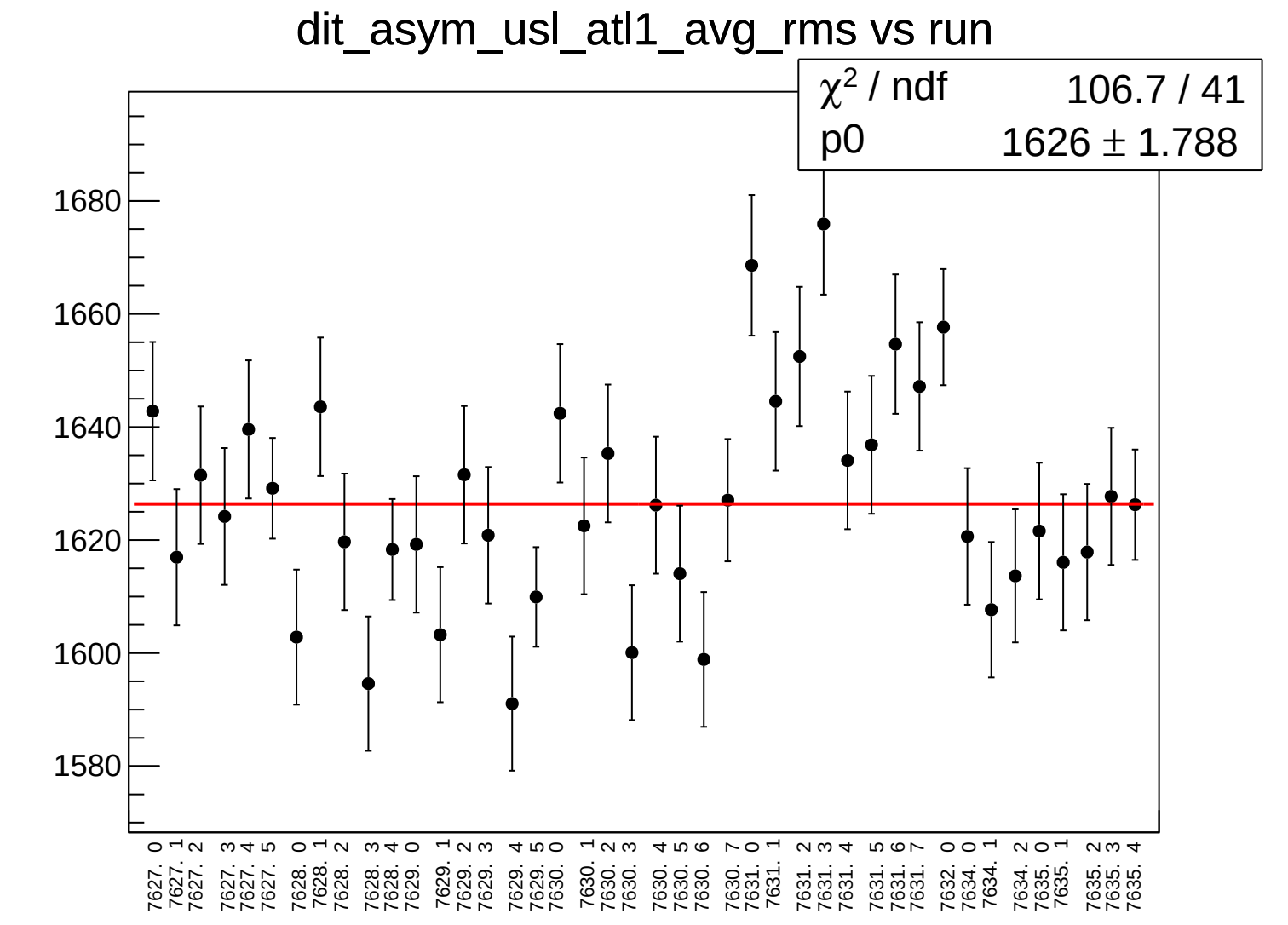

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 28.9 / 41
p0 1928 ± 1294
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1103
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

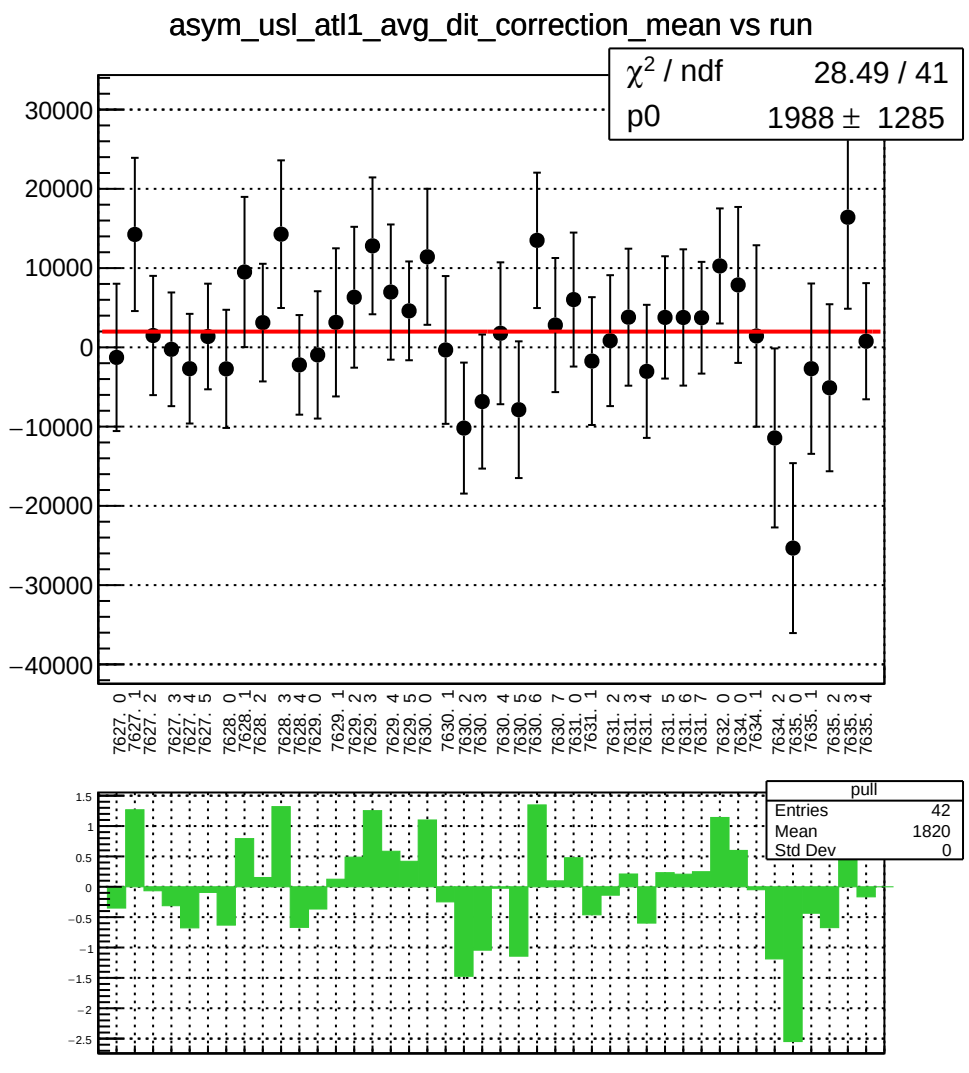

pull1D
Entries 42
Mean −0.001351
Std Dev 0.8296
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

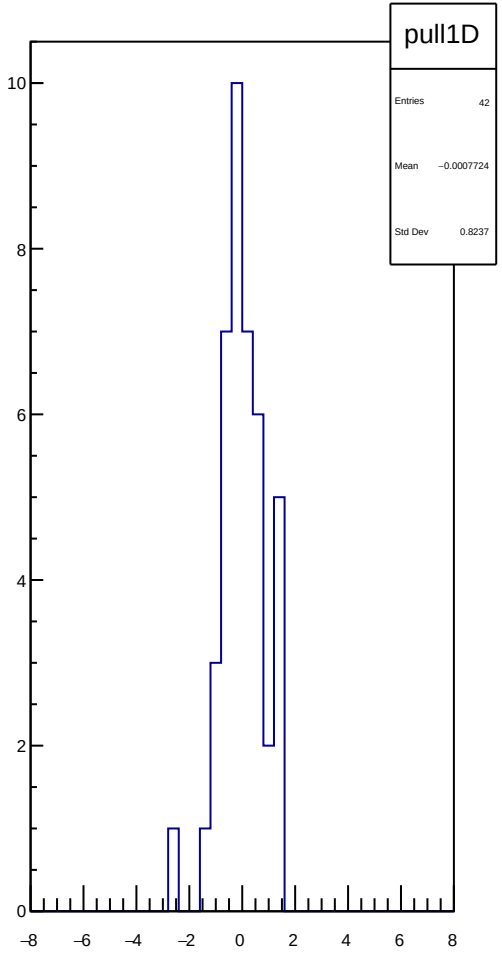

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.329e+04 / 41
p0 826.1 ± 0.9153
1200
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

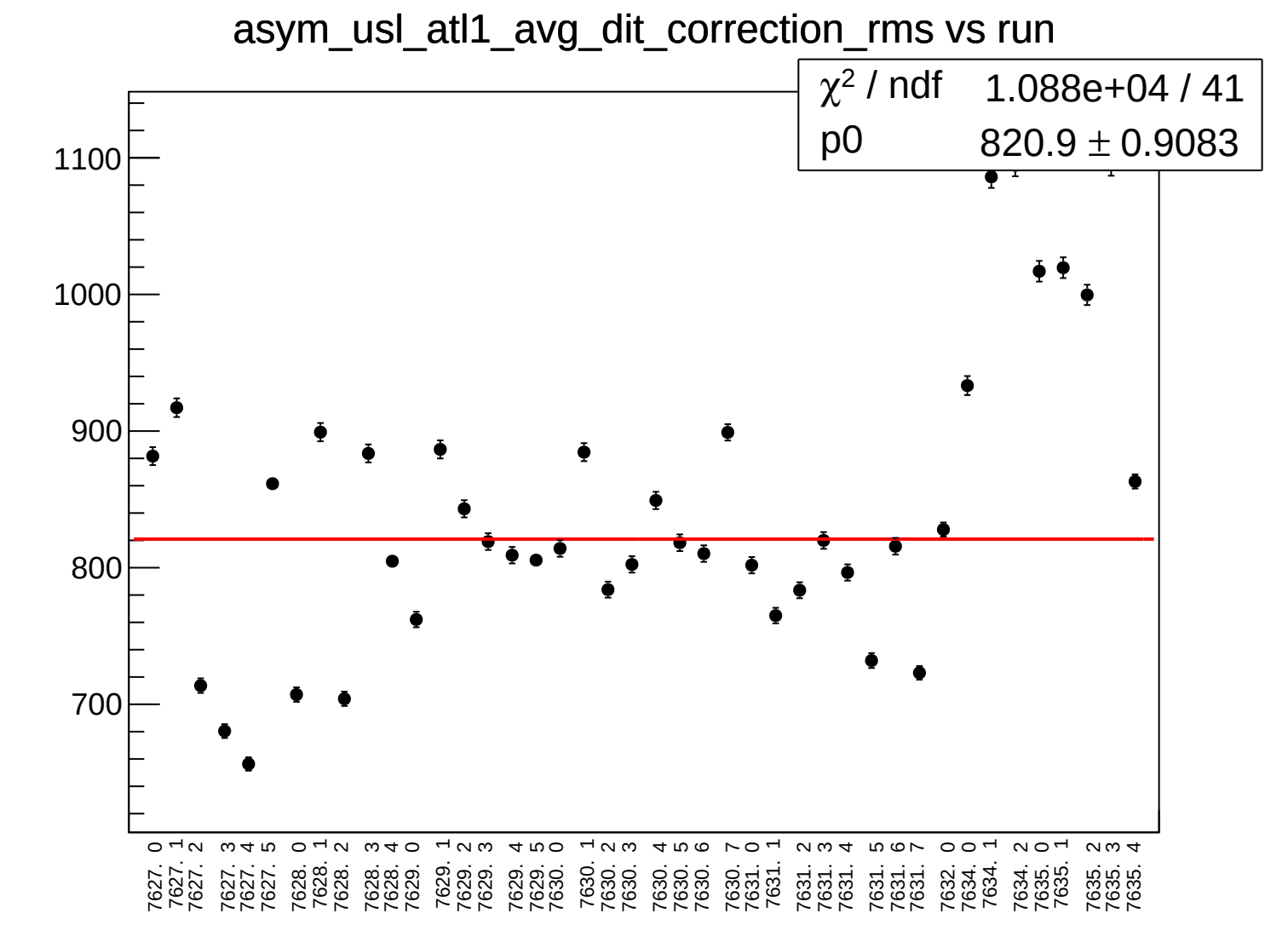

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 47.75 / 41
p0 −2119 ± 2528
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 5024
Std Dev 0
2
1
0
−1
−2

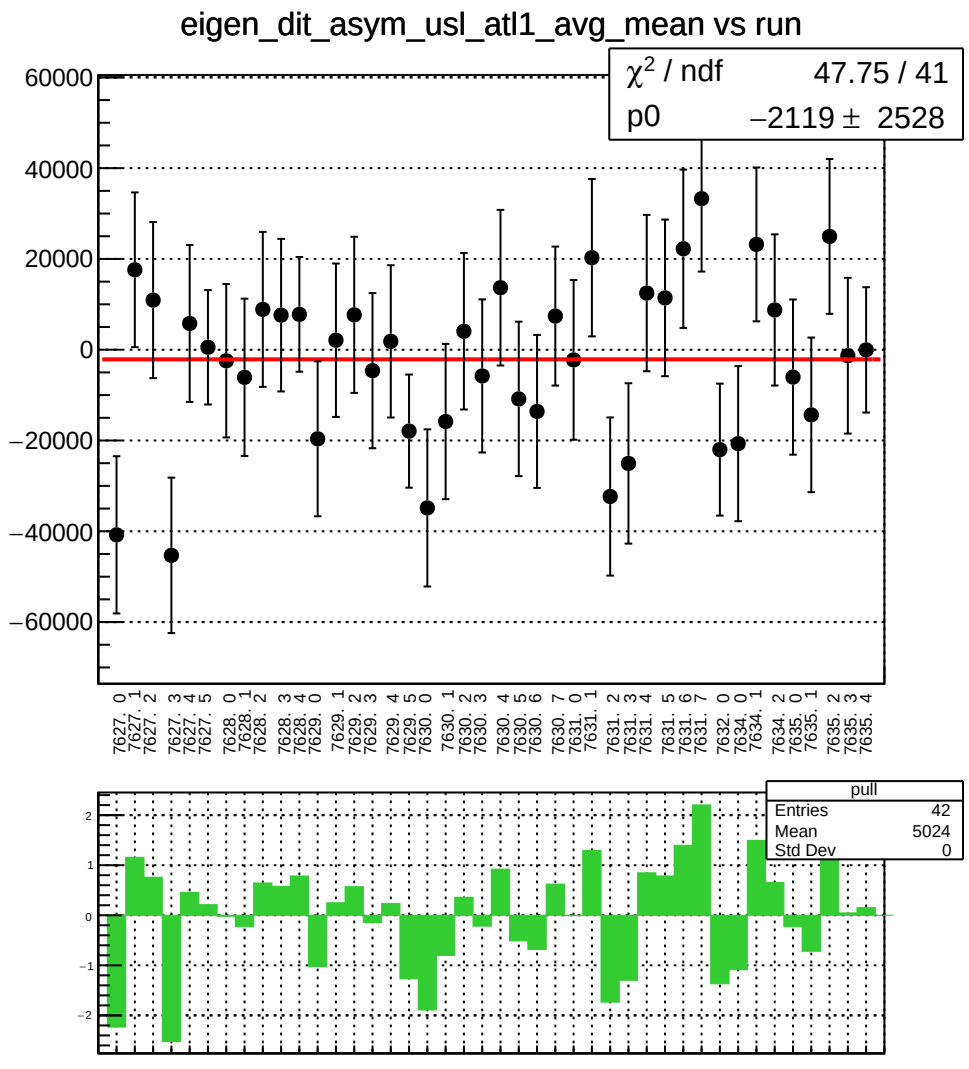

pull1D
Entries 42
Mean 0.0004652
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

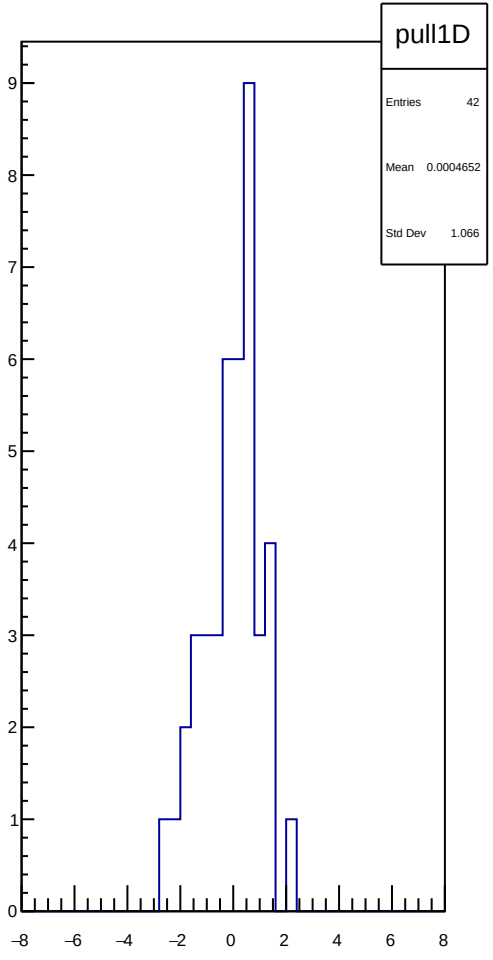

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 106.7 / 41
p0 1626 ± 1.788
1680
1660
1640
1620
1600
1580
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

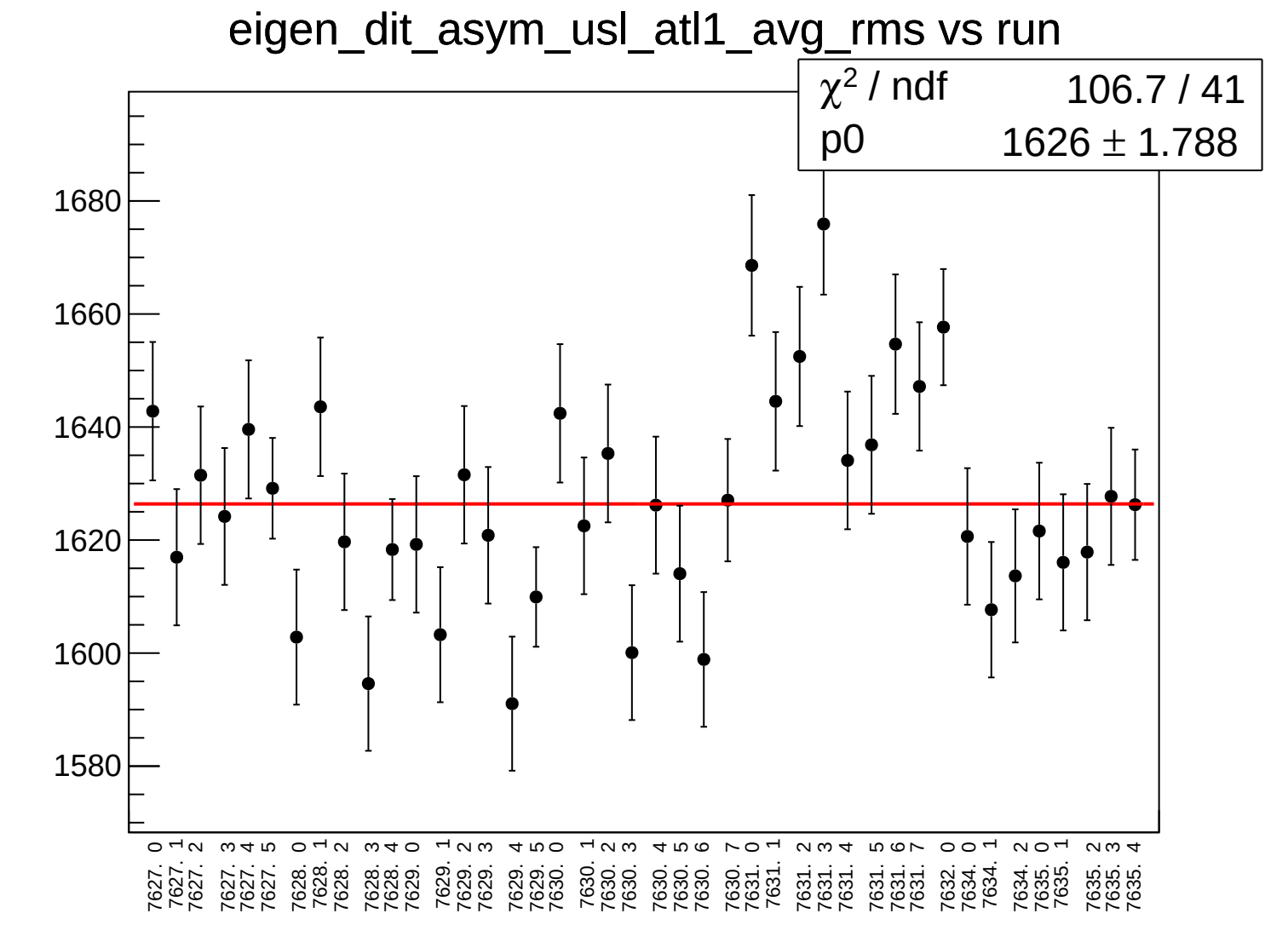

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 28.49 / 41
p0 1988 ± 1285
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1820
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

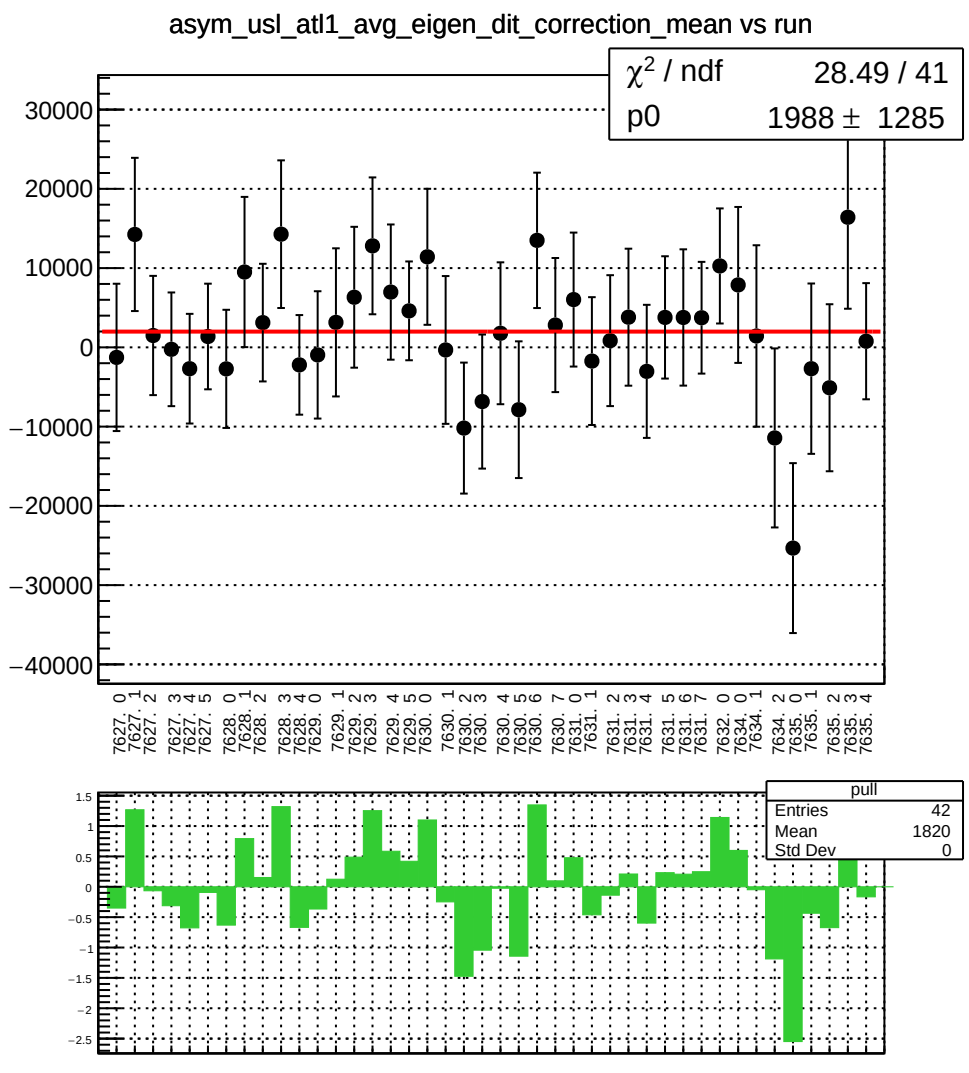

pull1D
Entries 42
Mean −0.0007724
Std Dev 0.8237
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

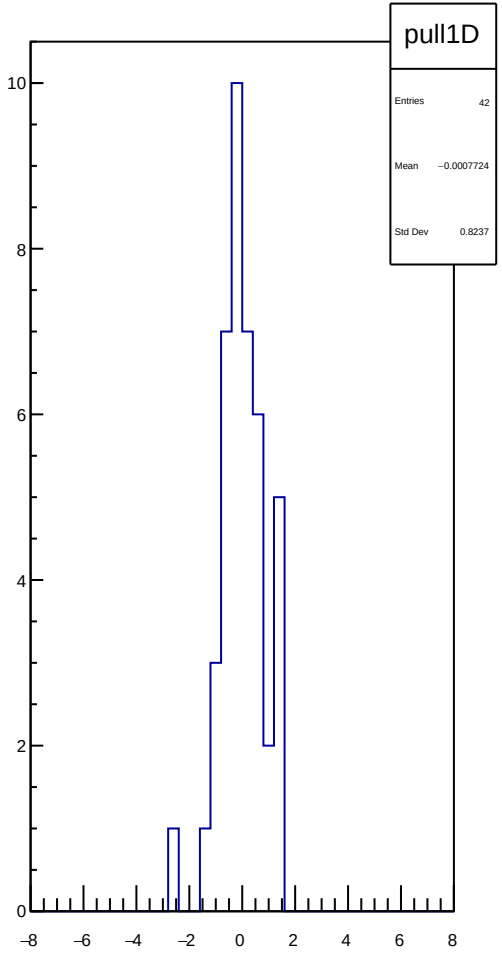

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1.088e+04 / 41
p0 820.9 ± 0.9083
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

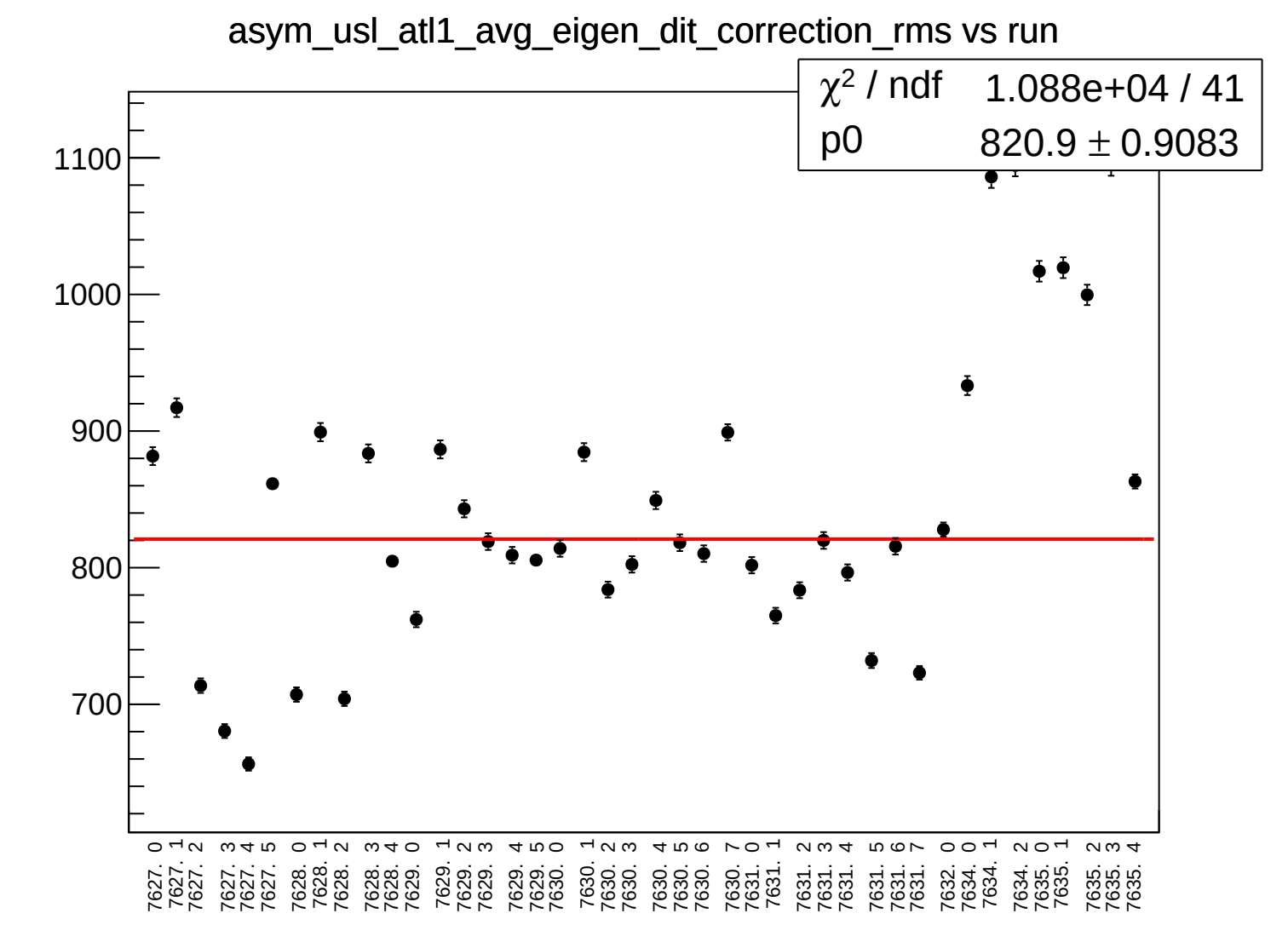

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 47.75 / 41
p0 −2119 ± 2528
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 5024
Std Dev 0
2
1
0
−1
−2

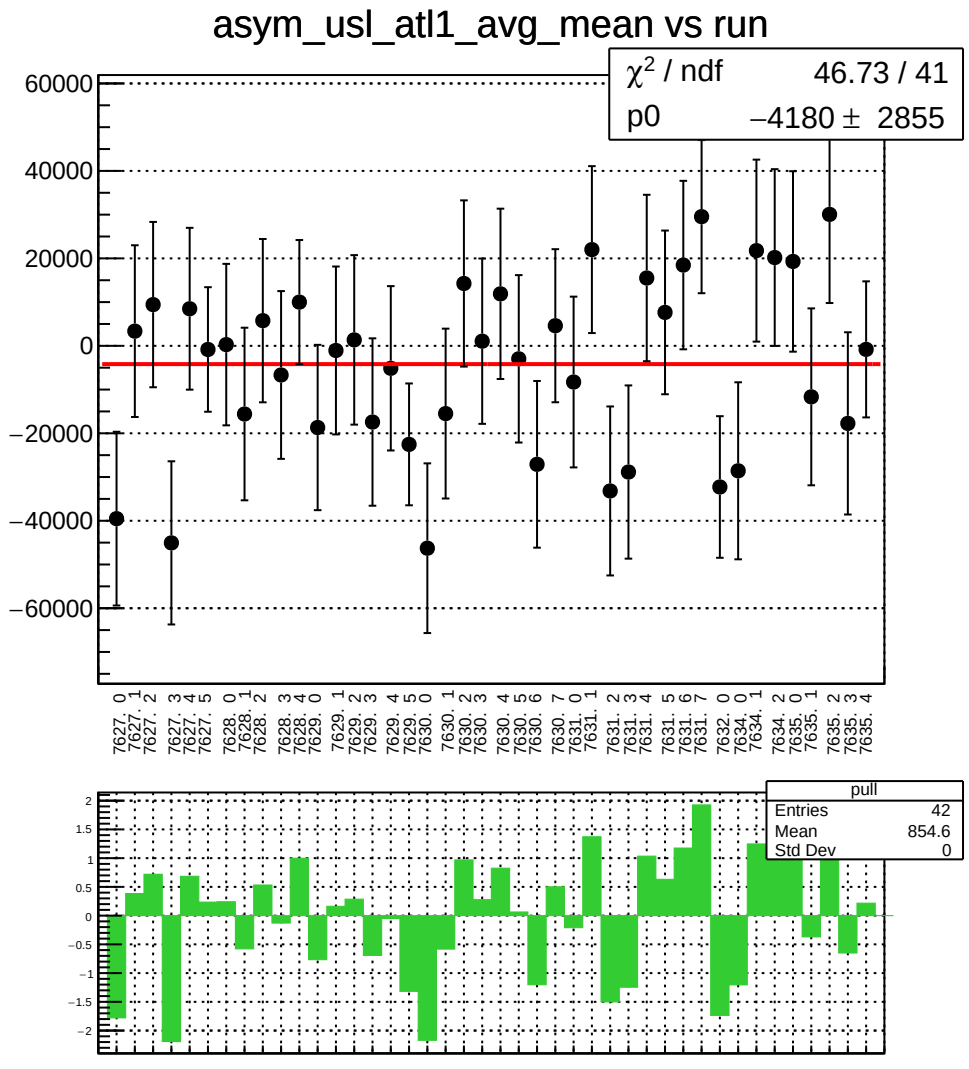

pull1D
Entries 42
Mean 0.0004652
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

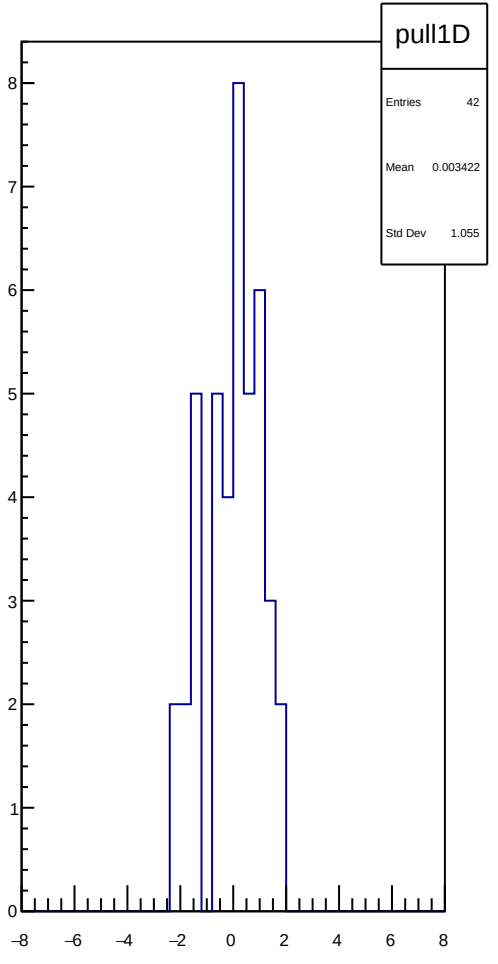

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 106.7 / 41
p0 1626 ± 1.788
1680
1660
1640
1620
1600
1580
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

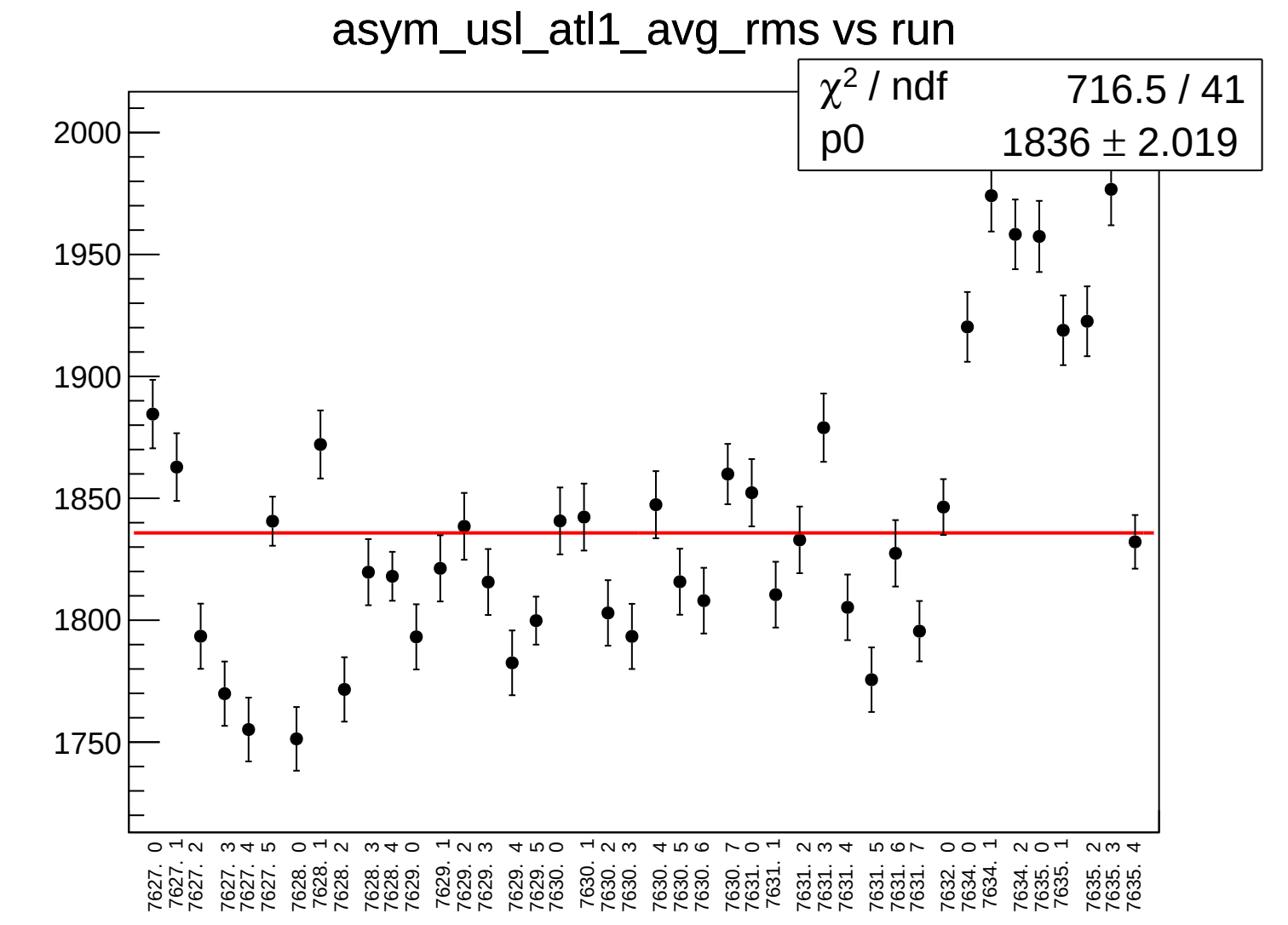

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 28.49 / 41
p0 1988 ± 1285
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1820
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

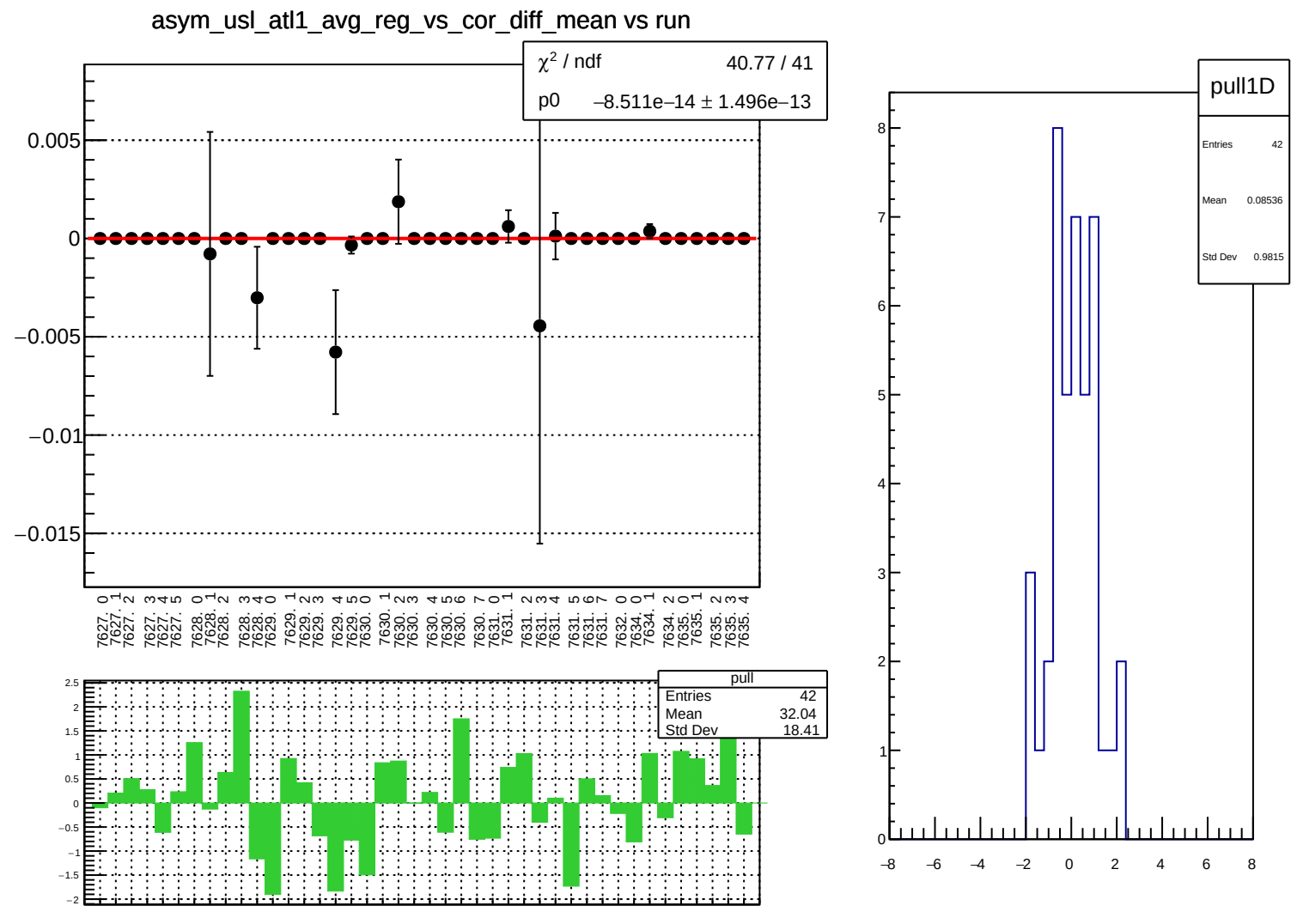

pull1D
Entries 42
Mean −0.0007724
Std Dev 0.8237
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

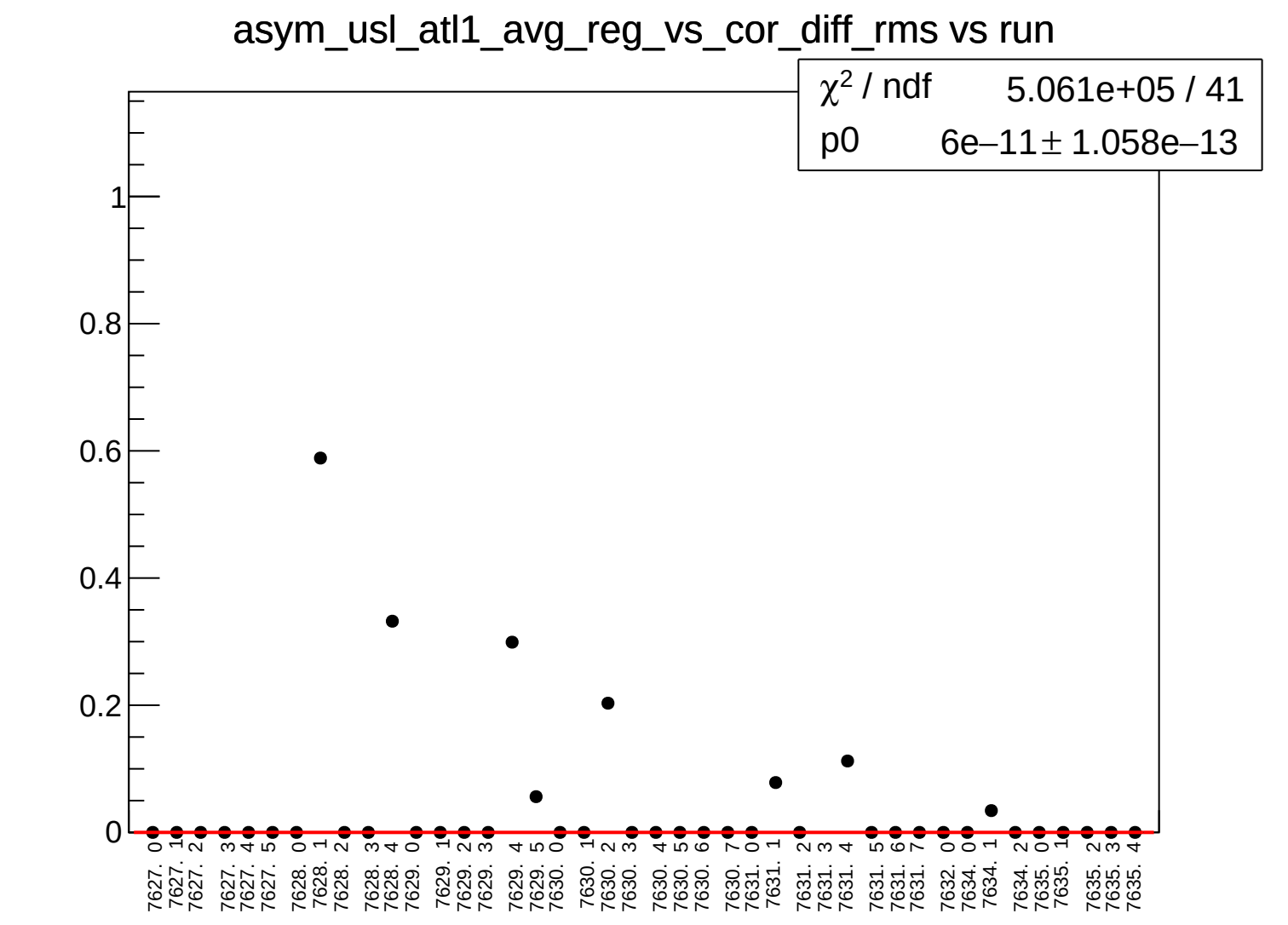

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.088e+04 / 41
p0 820.9 ± 0.9083
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

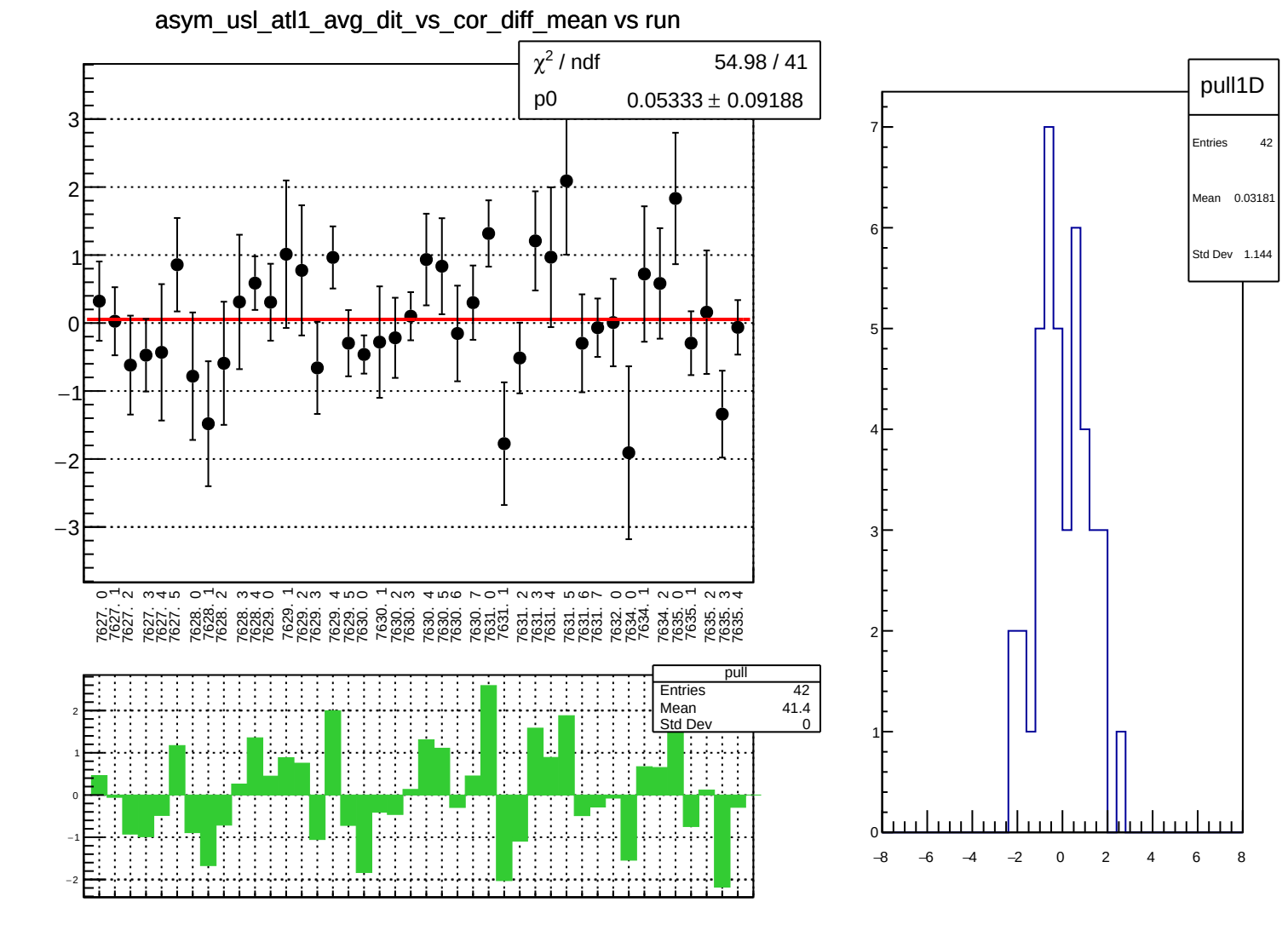

asym_usl_atl1_avg_mean vs run
χ² / ndf 46.73 / 41
p0 −4180 ± 2855
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 854.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

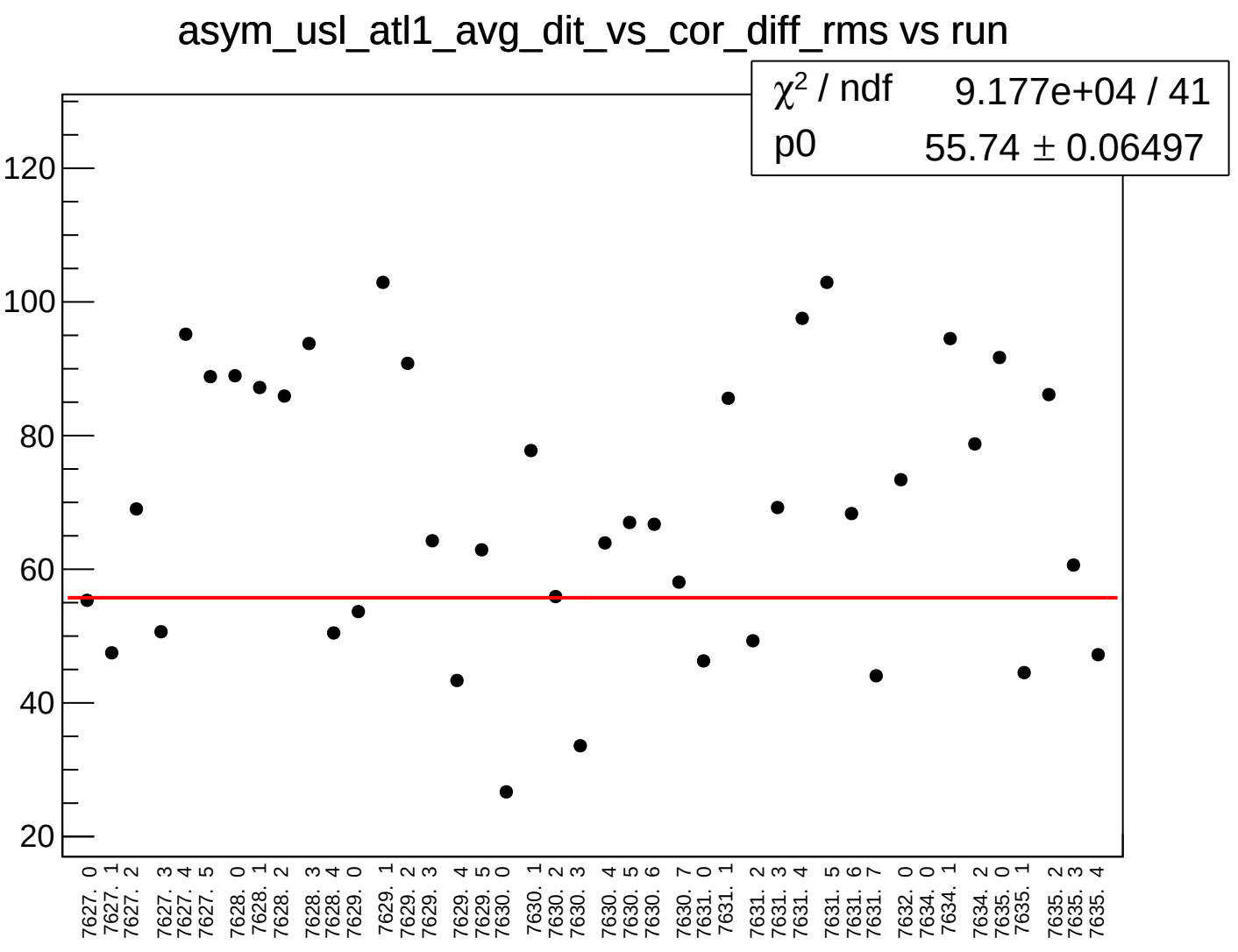

pull1D
Entries 42
Mean 0.003422
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_rms vs run
χ² / ndf 716.5 / 41
p0 1836 ± 2.019
2000
1950
1900
1850
1800
1750
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.77 / 41
p0 −8.511e−14 ± 1.496e−13
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 32.04
Std Dev 18.41
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.08536
Std Dev 0.9815
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.061e+05 / 41
p0 6e−11 ± 1.058e−13
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.98 / 41
p0 0.05333 ± 0.09188
pull
Entries 42
Mean 41.4
Std Dev 0
pull1D
Entries 42
Mean 0.03181
Std Dev 1.144


asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.177e+04 / 41
p0 55.74 ± 0.06497
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
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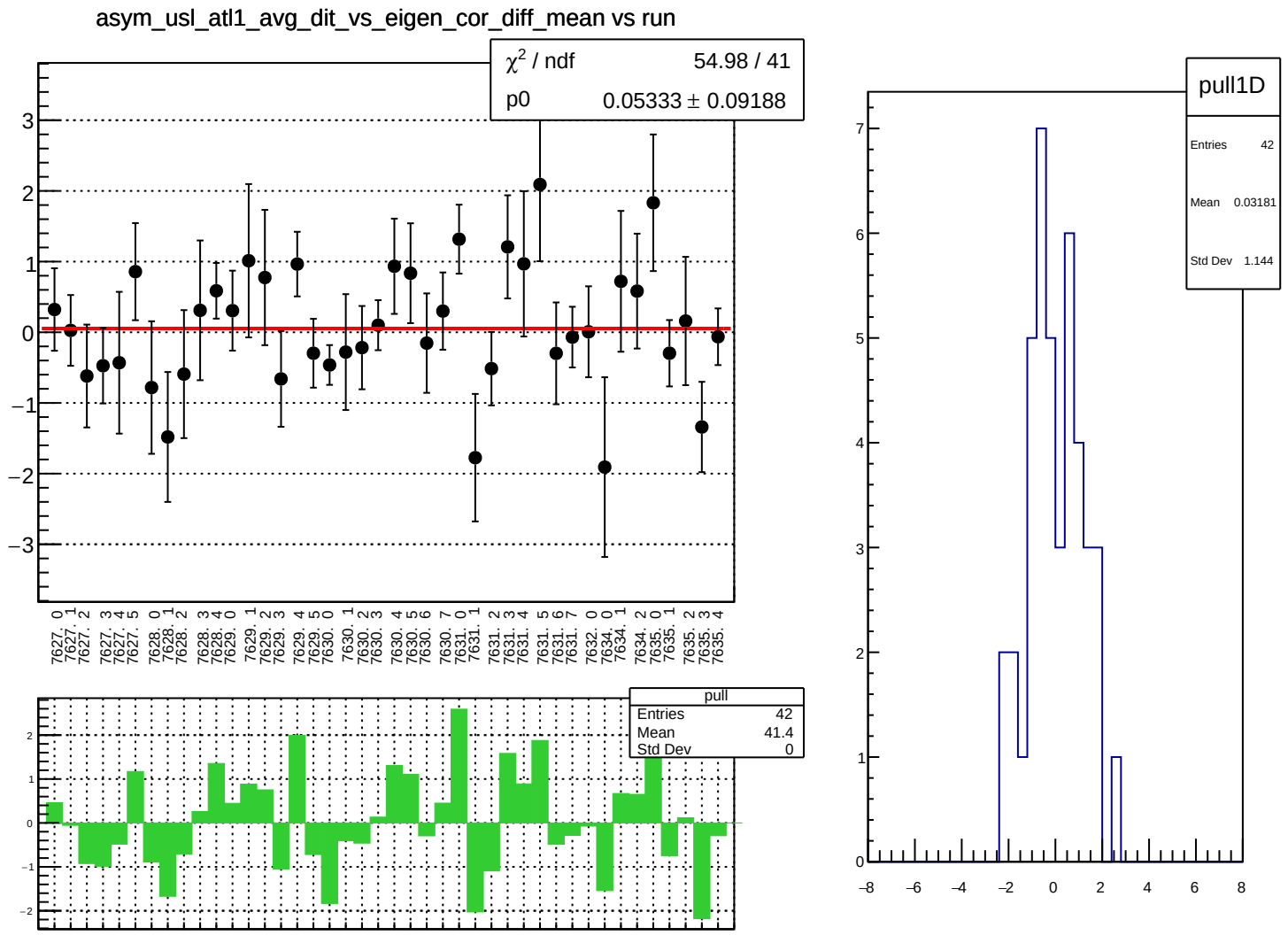
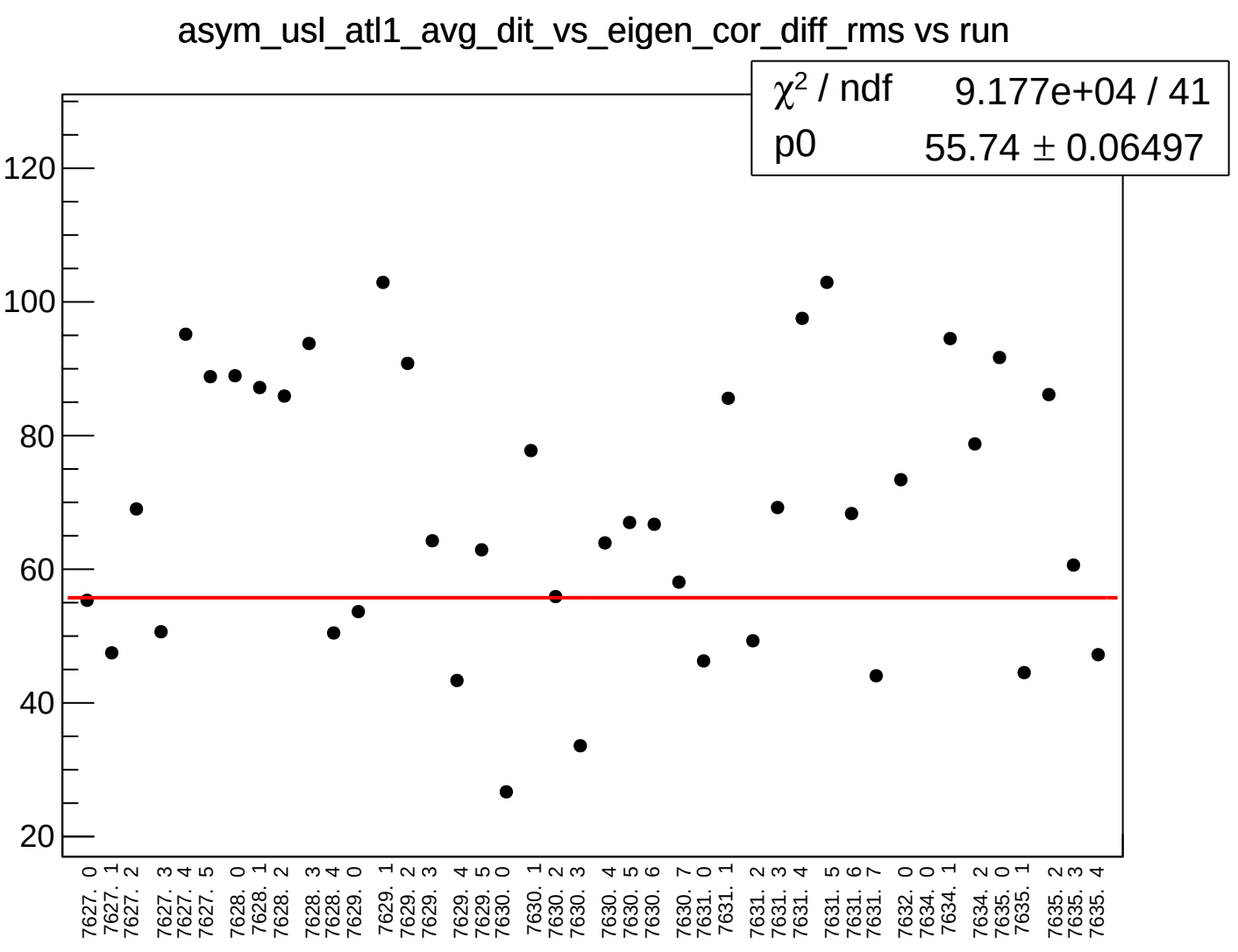
7635. 3
7635. 4


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.98 / 41
p0 0.05333 ± 0.09188
pull
Entries 42
Mean 41.4
Std Dev 0
pull1D
Entries 42
Mean 0.03181
Std Dev 1.144


asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.177e+04 / 41
p0 55.74 ± 0.06497
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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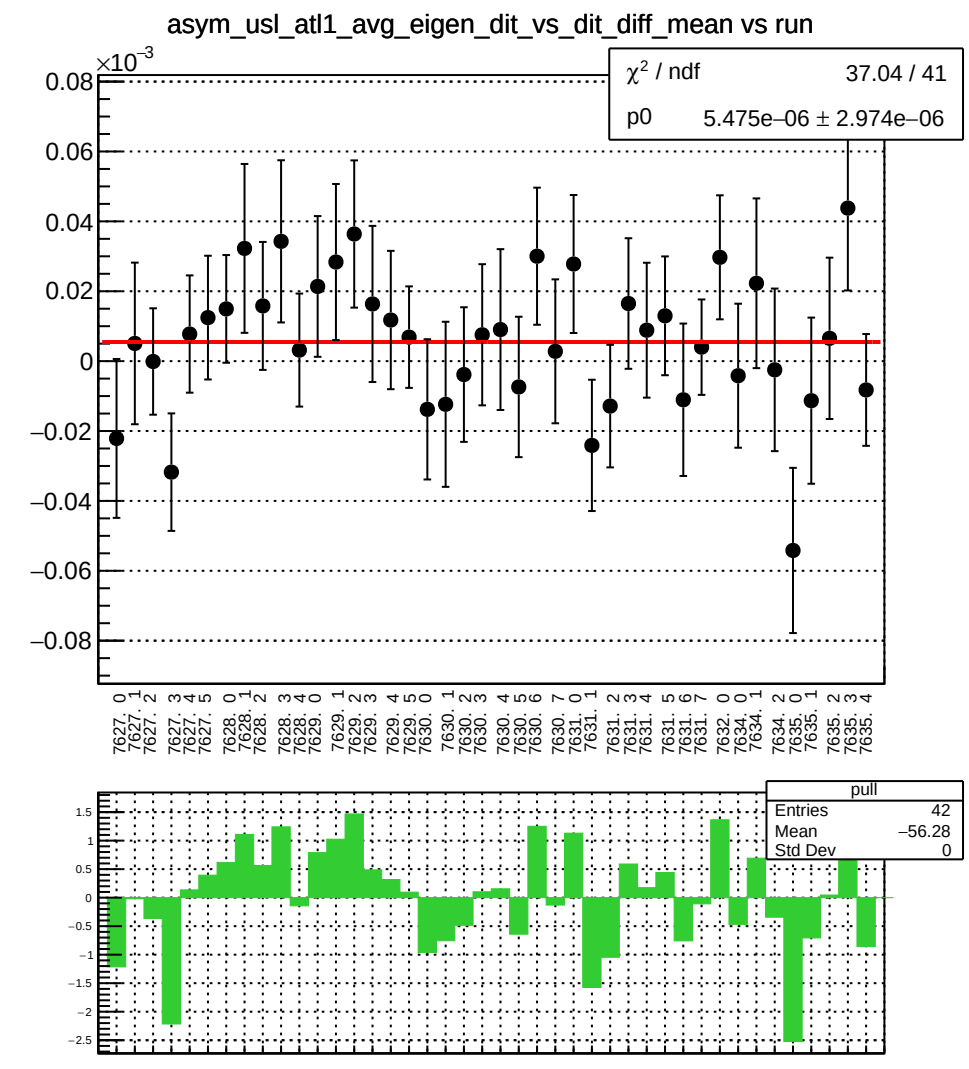
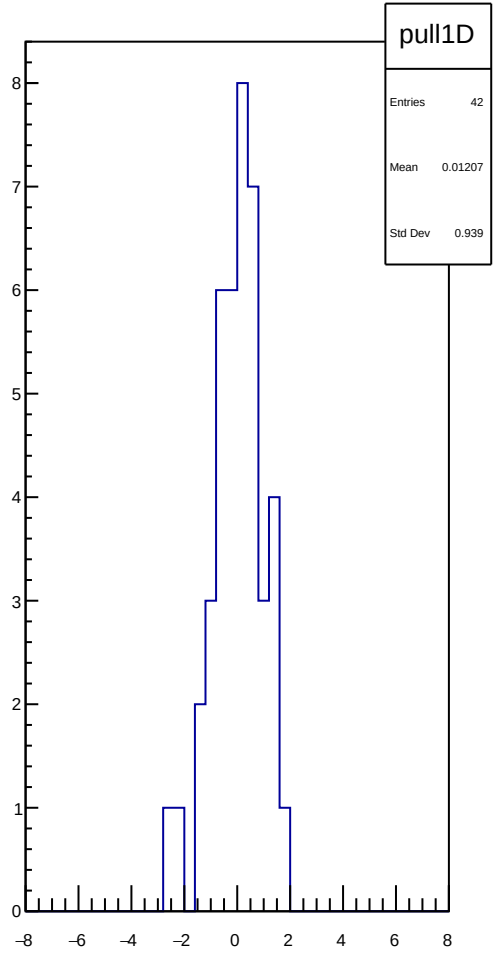
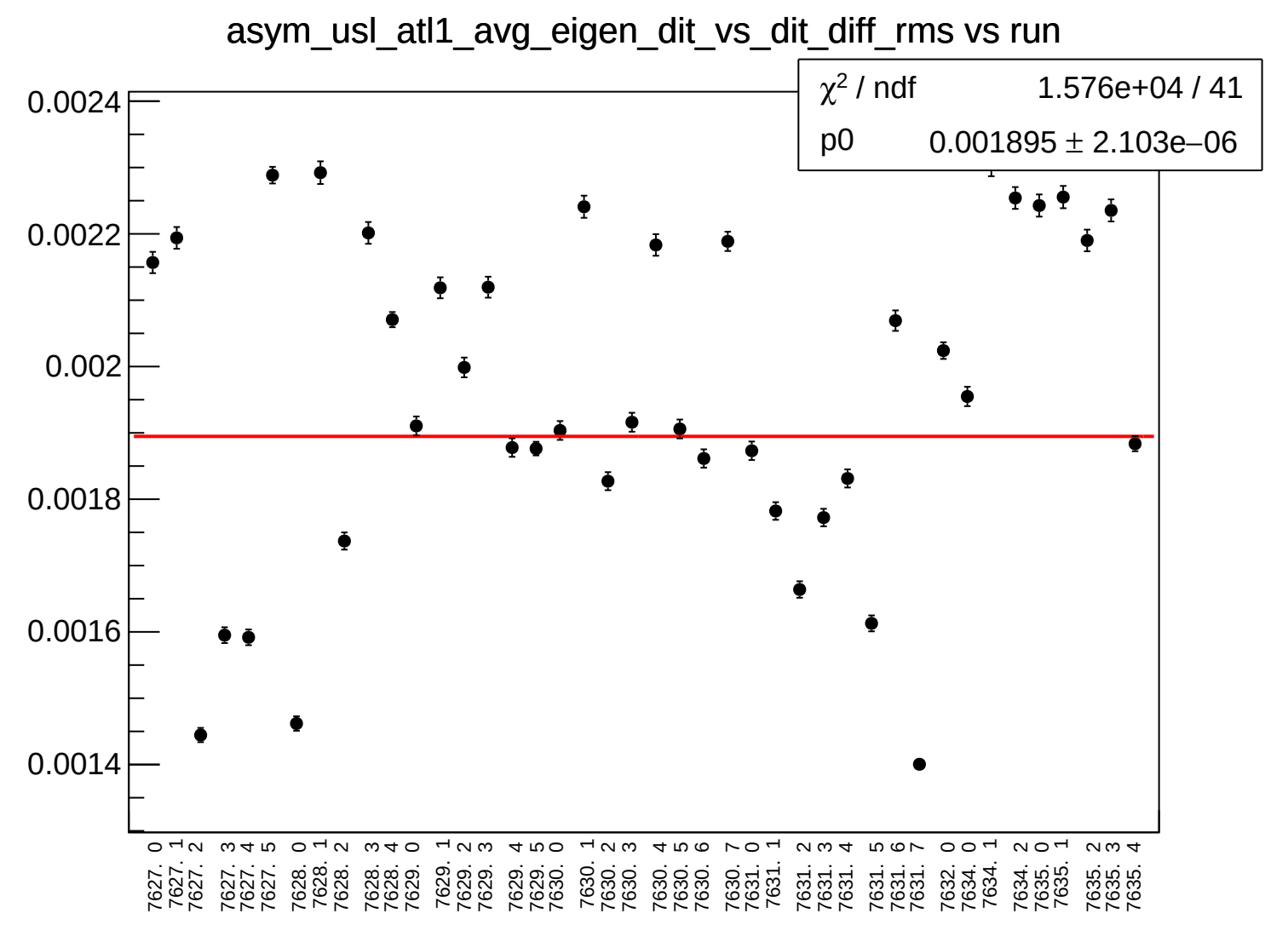
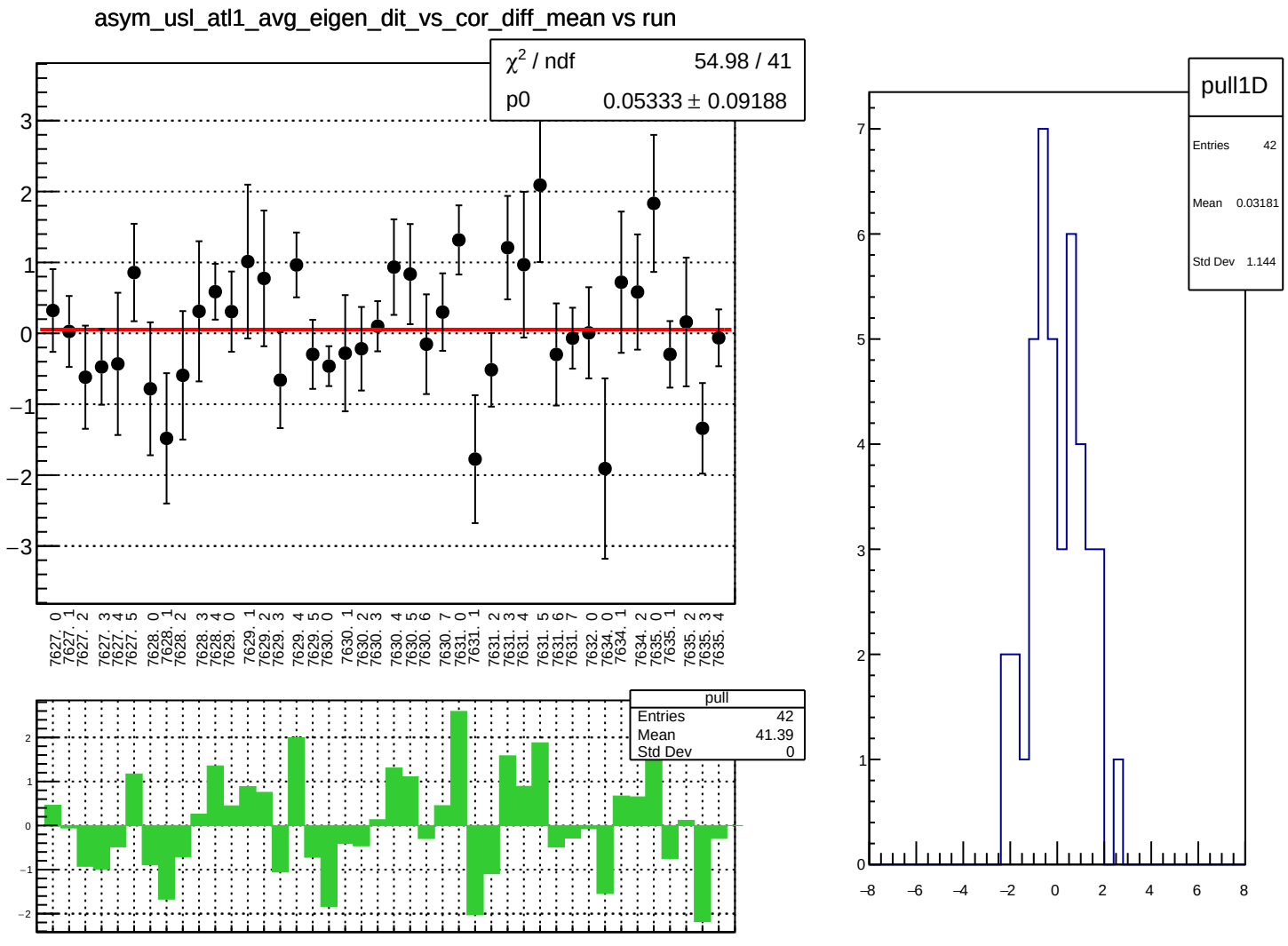
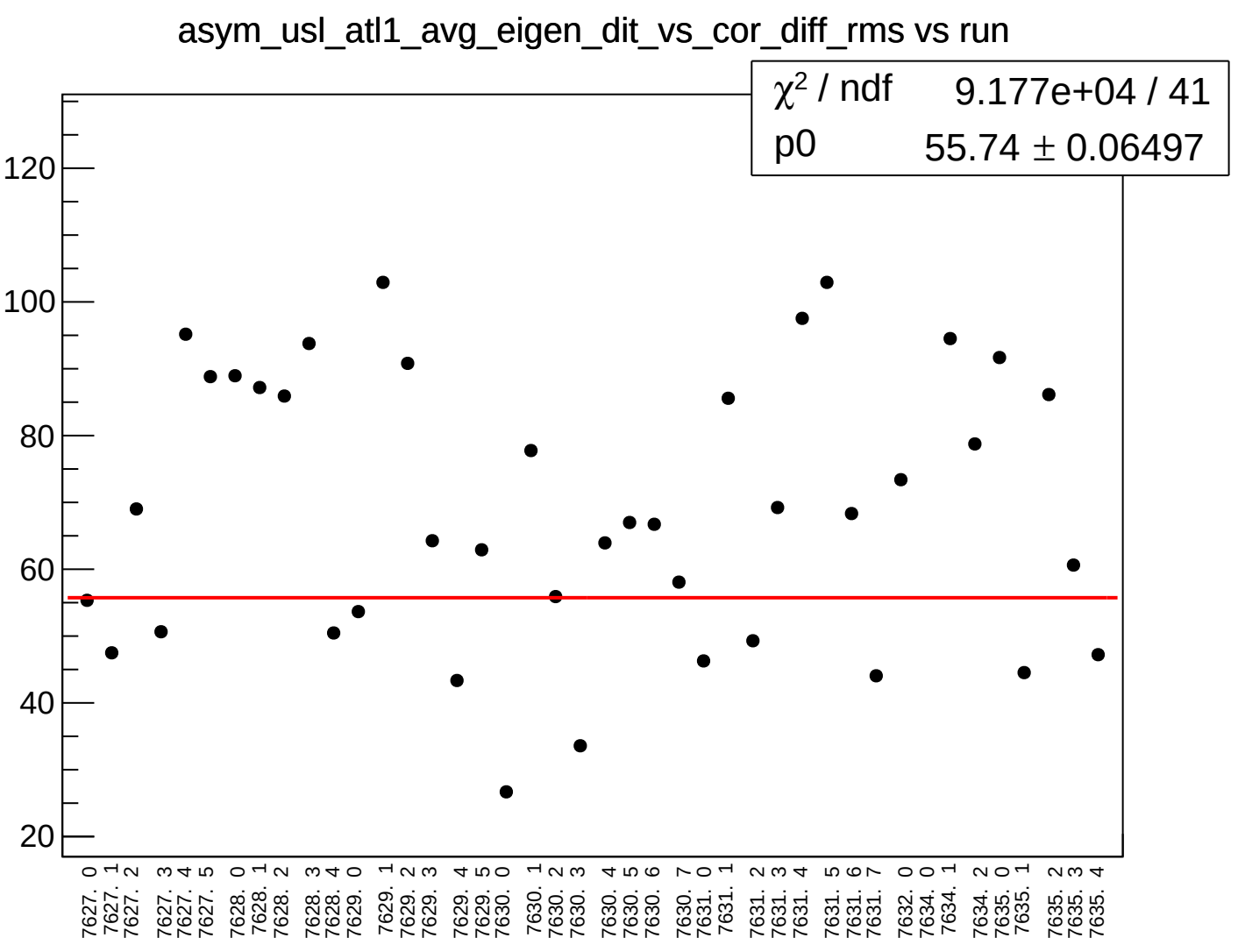
7635. 3
7635. 4

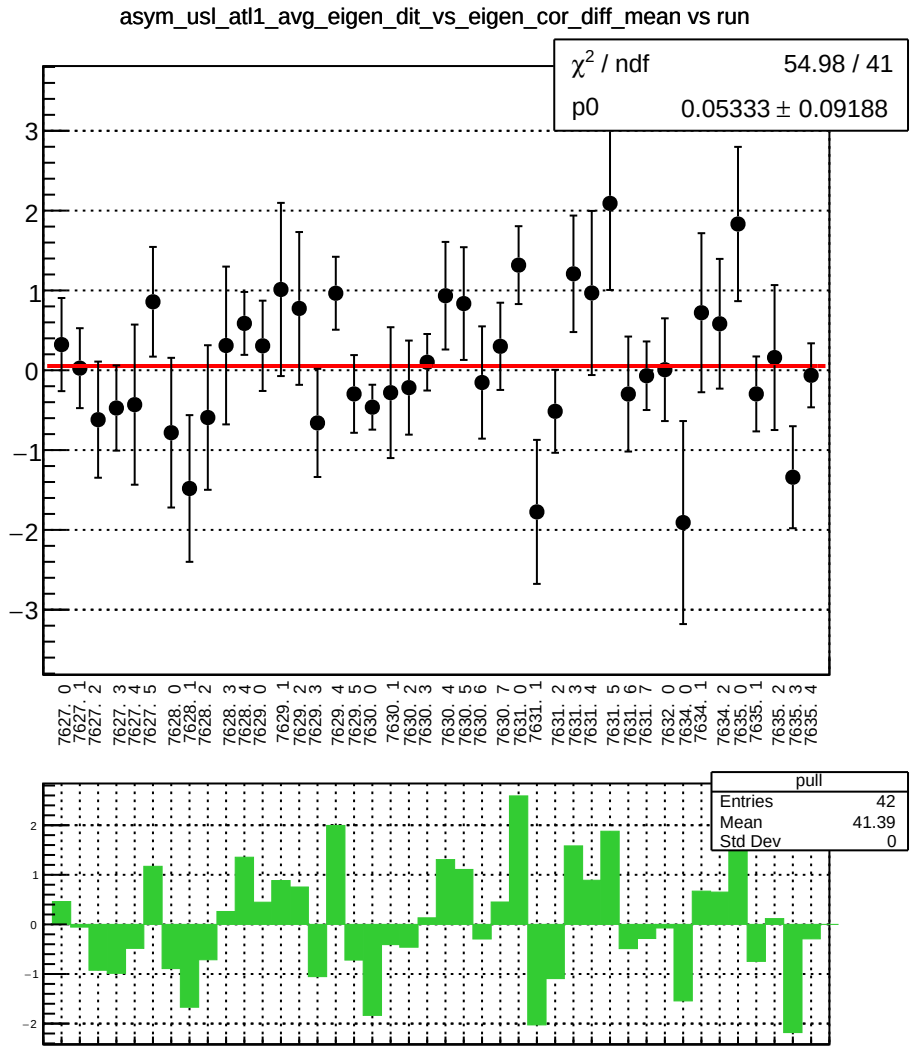

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.04 / 41
p0 5.475e−06 ± 2.974e−06
pull
Entries 42
Mean −56.28
Std Dev 0

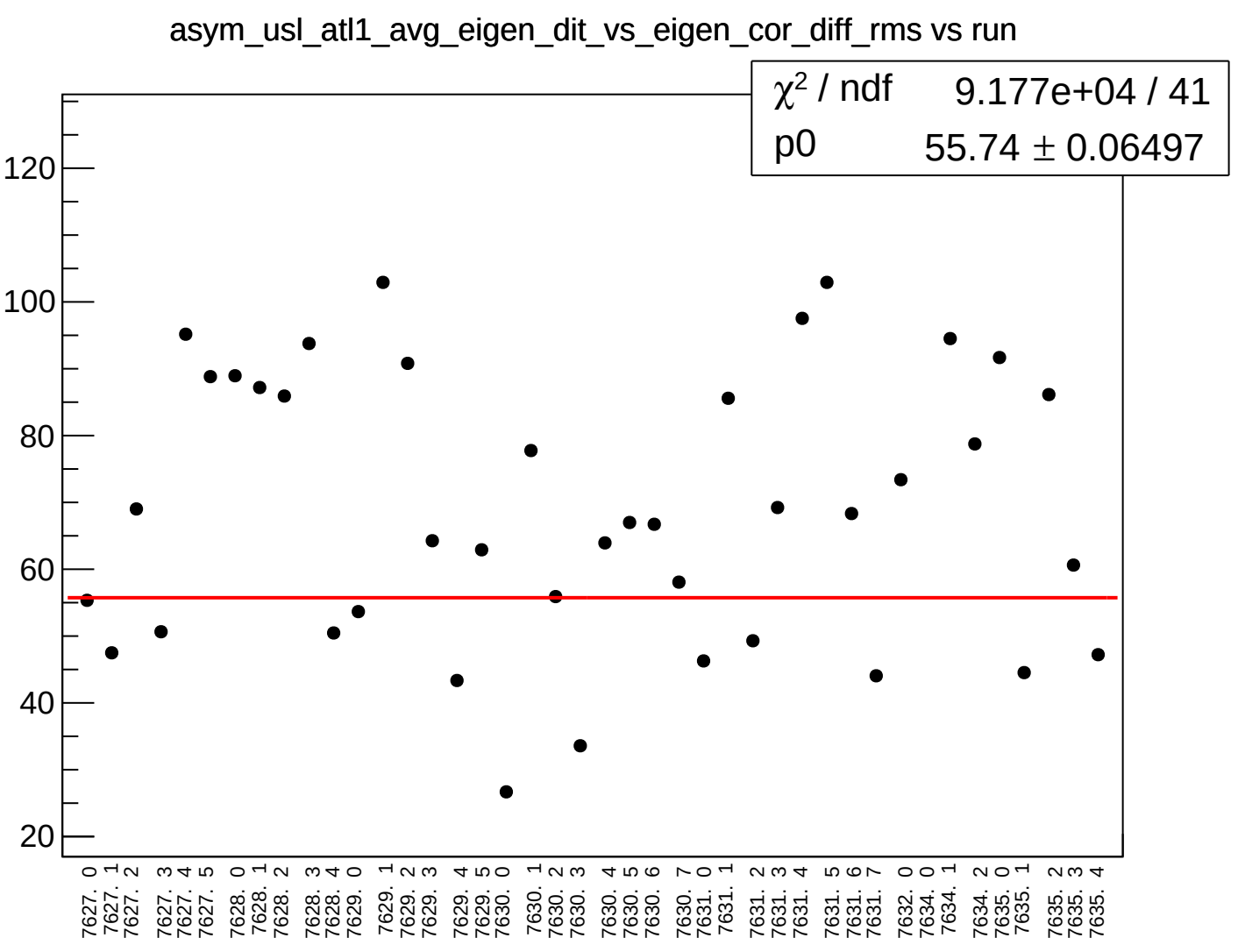

pull1D
Entries 42
Mean 0.01207
Std Dev 0.939


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.576e+04 / 41
p0 0.001895 ± 2.103e−06
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.98 / 41
p0 0.05333 ± 0.09188
pull
Entries 42
Mean 41.39
Std Dev 0
pull1D
Entries 42
Mean 0.03181
Std Dev 1.144


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.177e+04 / 41
p0 55.74 ± 0.06497
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.98 / 41
p0 0.05333 ± 0.09188
pull
Entries 42
Mean 41.39
Std Dev 0
pull1D
Entries 42
Mean 0.03181
Std Dev 1.144


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.177e+04 / 41
p0 55.74 ± 0.06497
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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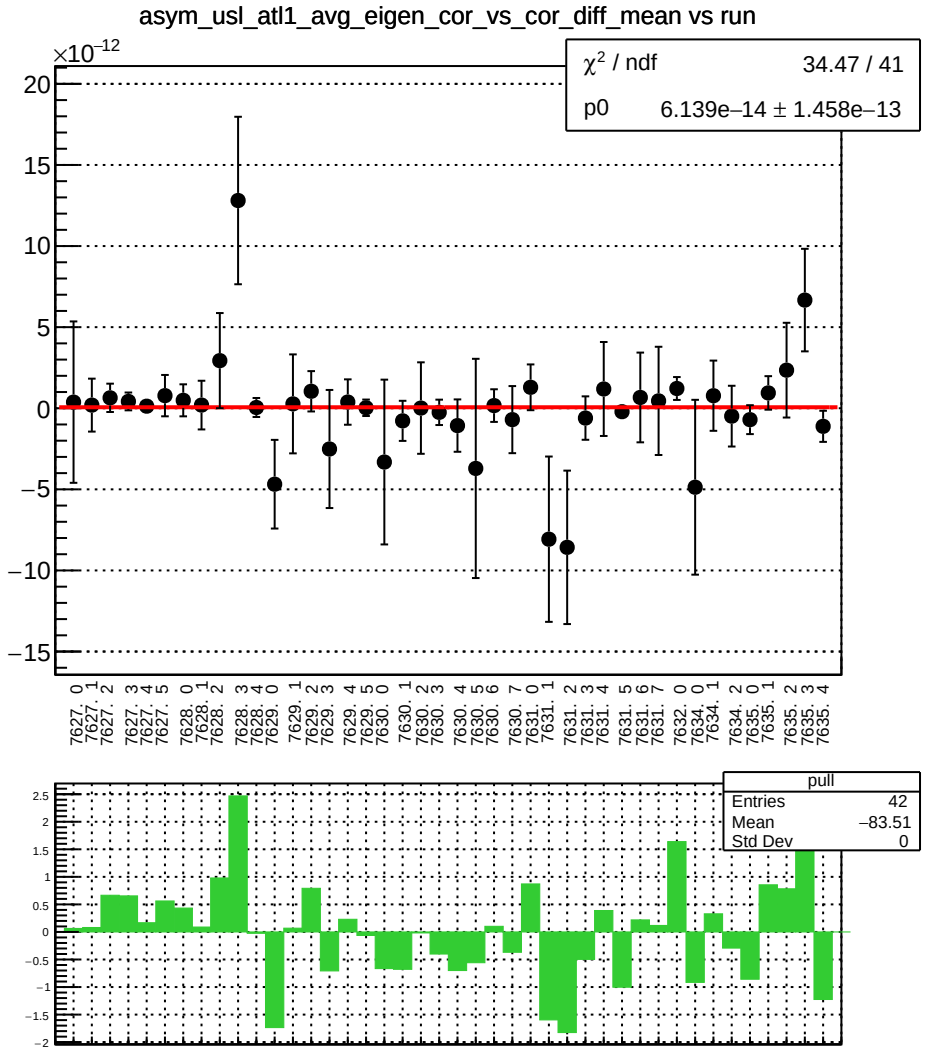
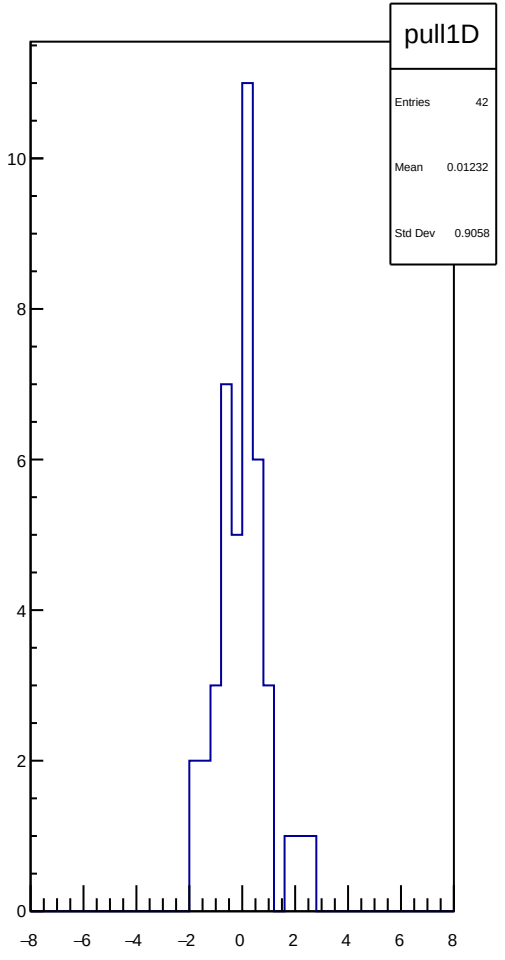
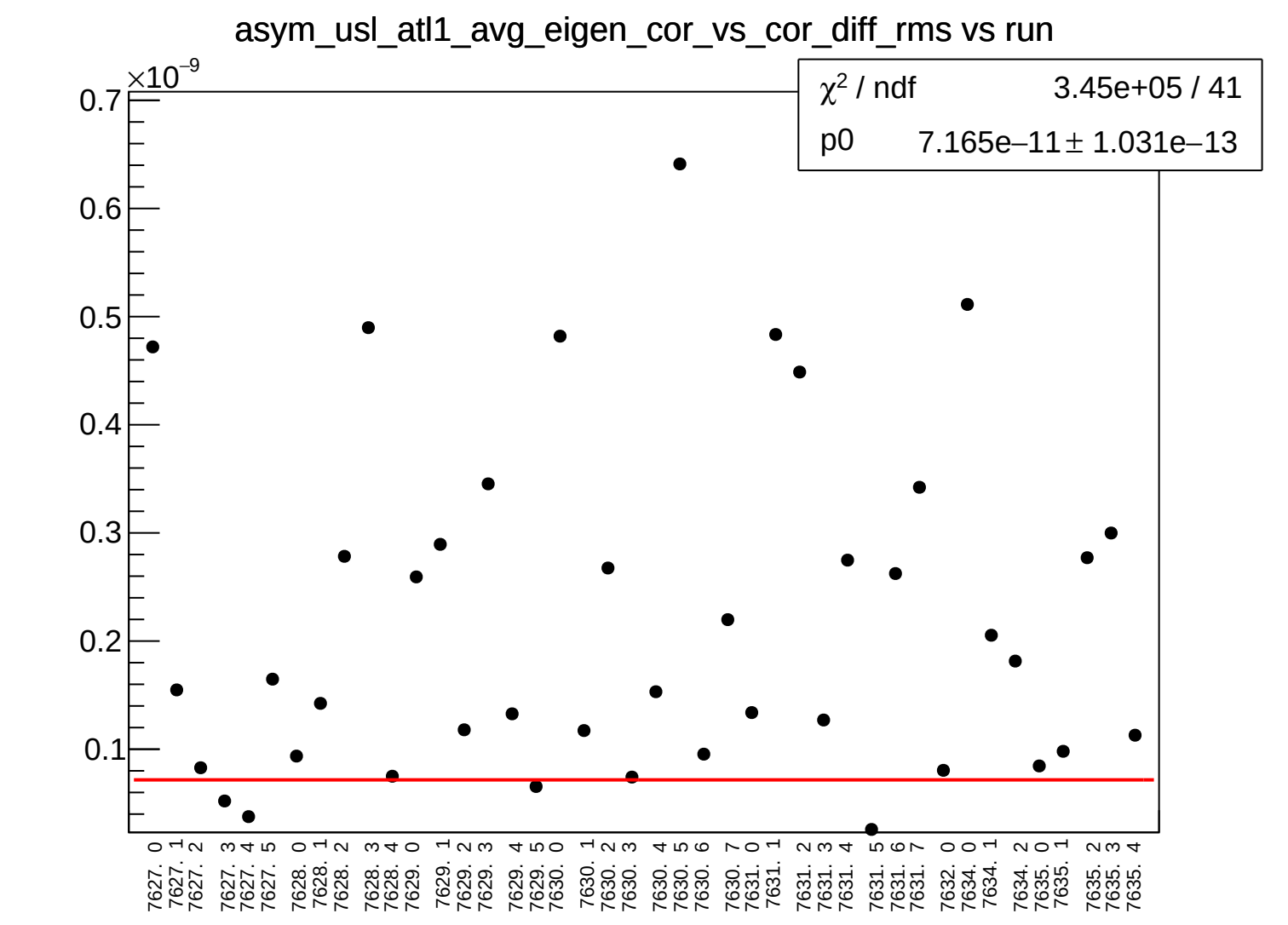
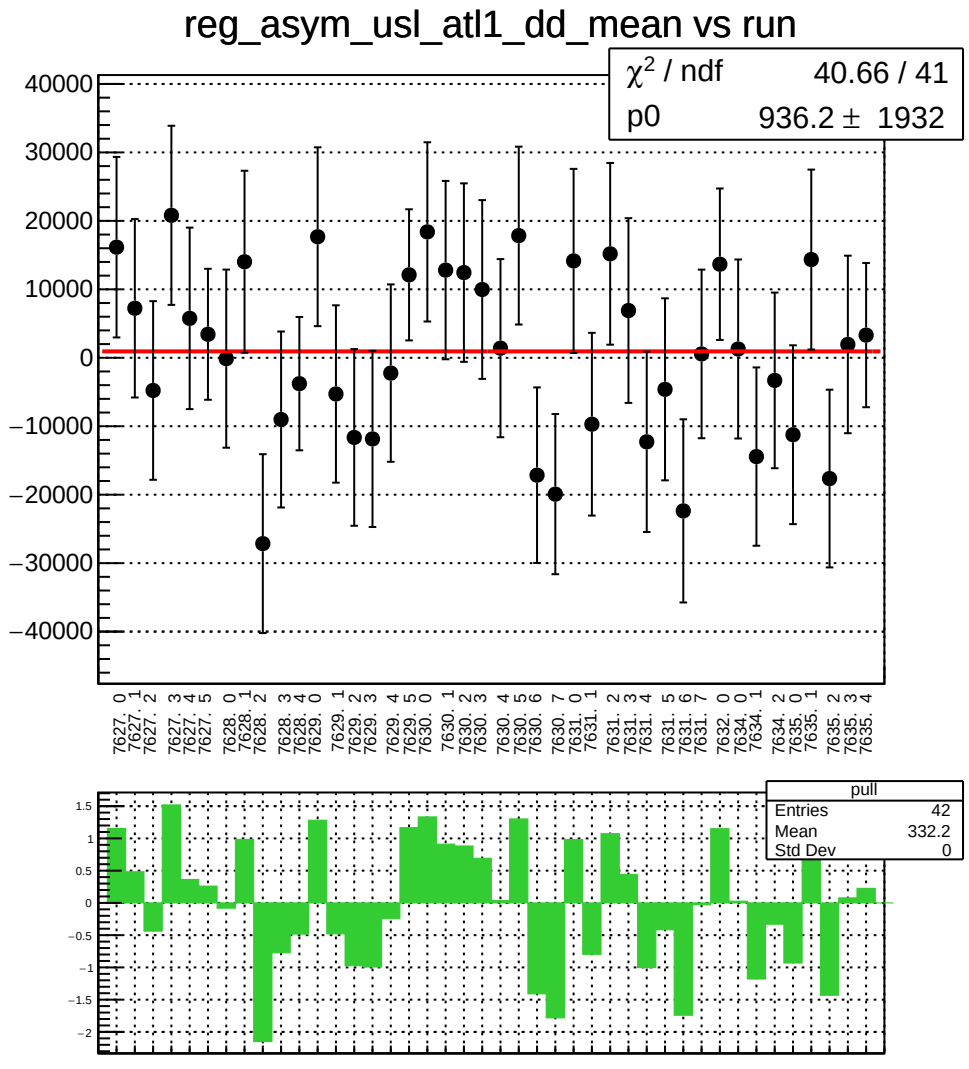
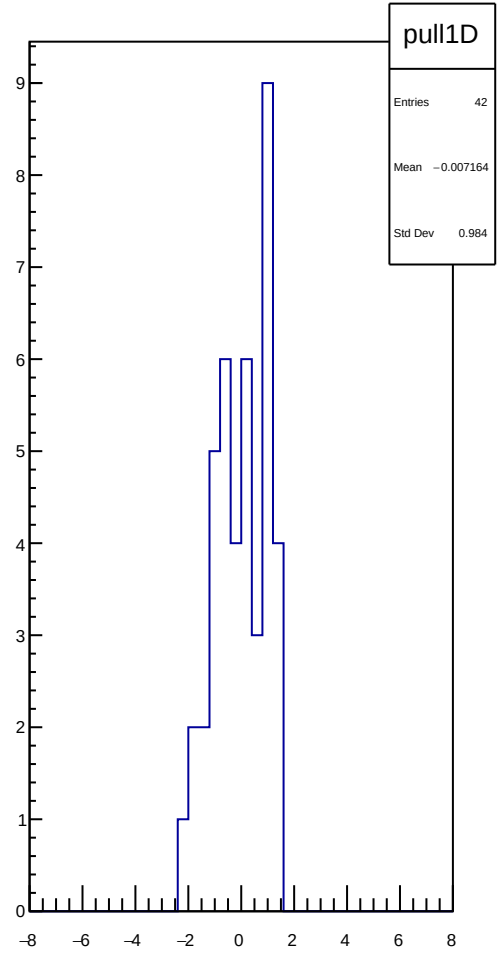
7635. 3
7635. 4

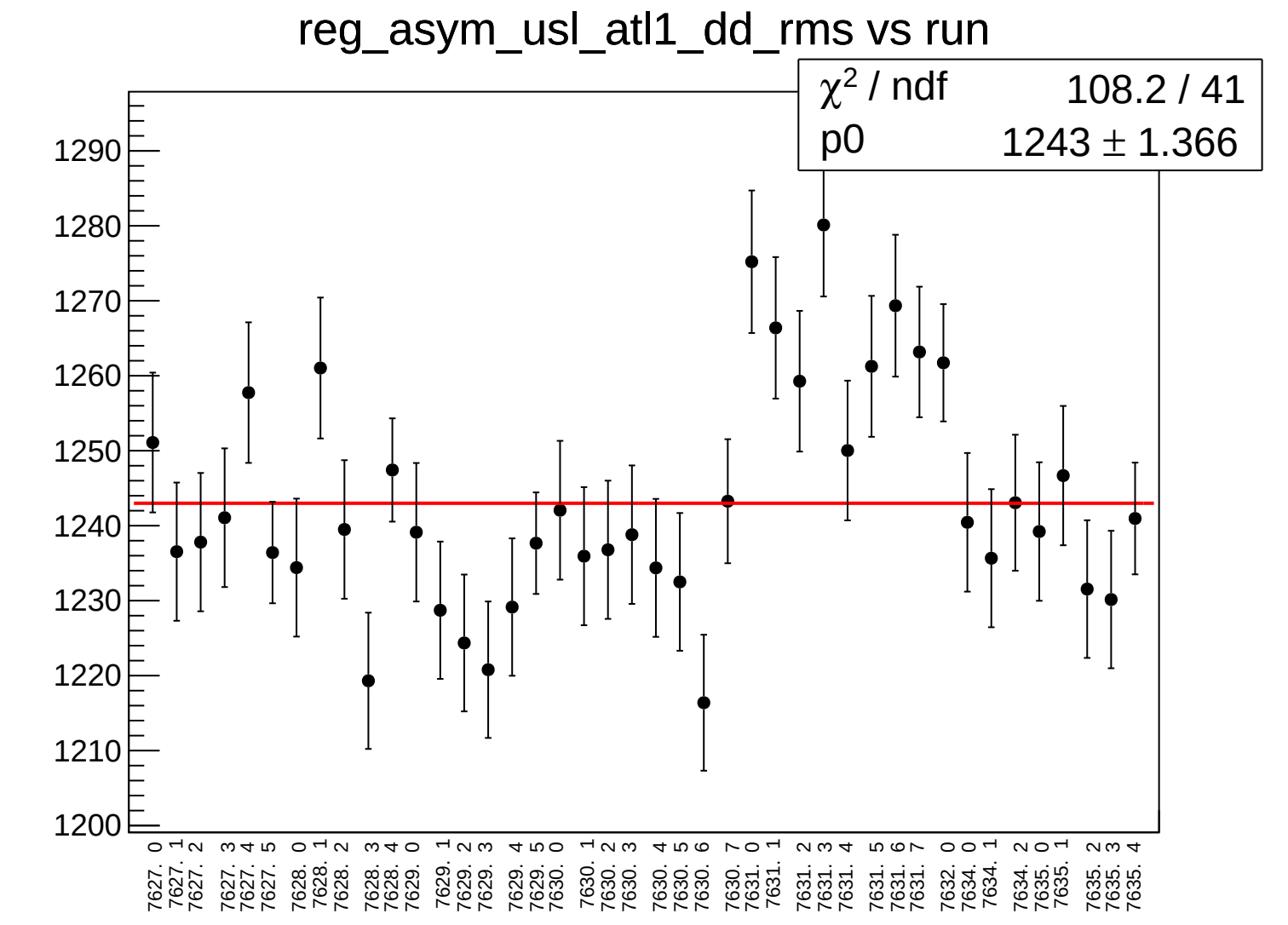

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.47 / 41
p0 6.139e−14 ± 1.458e−13
pull
Entries 42
Mean −83.51
Std Dev 0

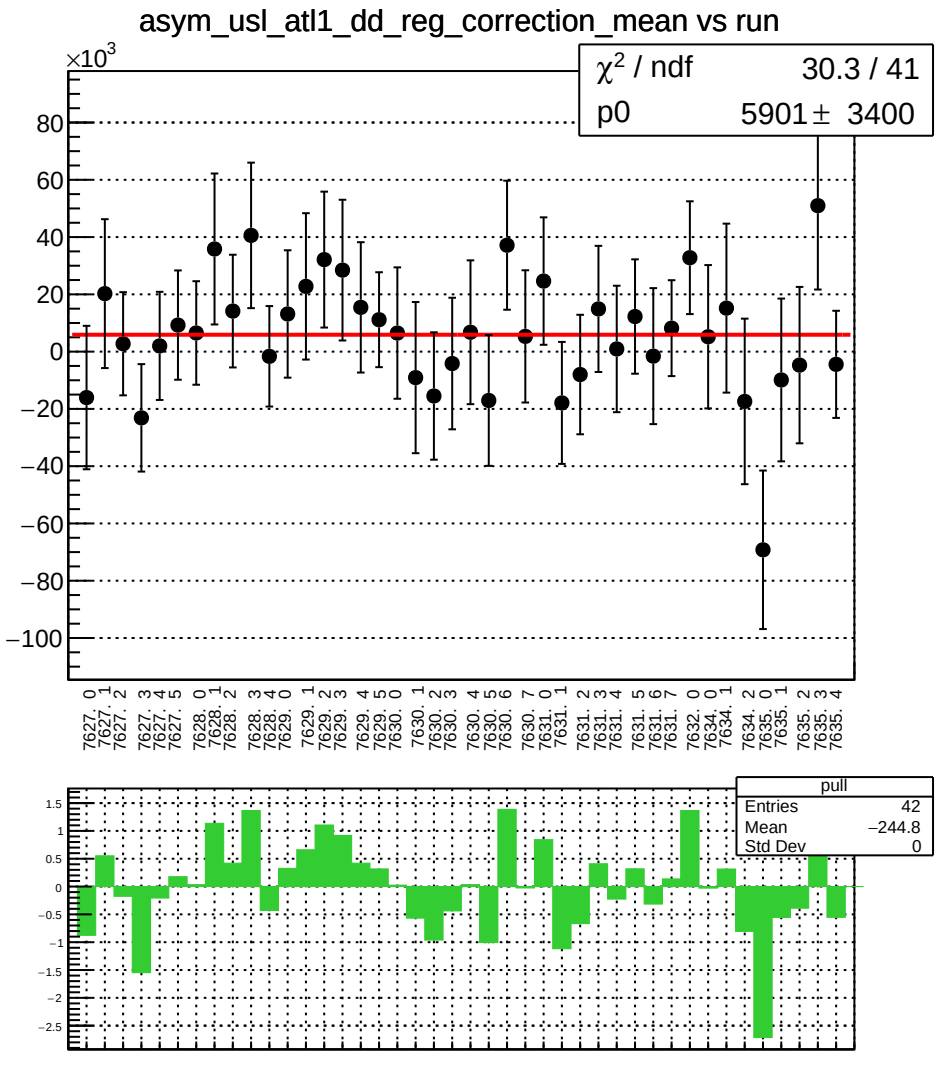

pull1D
Entries 42
Mean 0.01232
Std Dev 0.9058

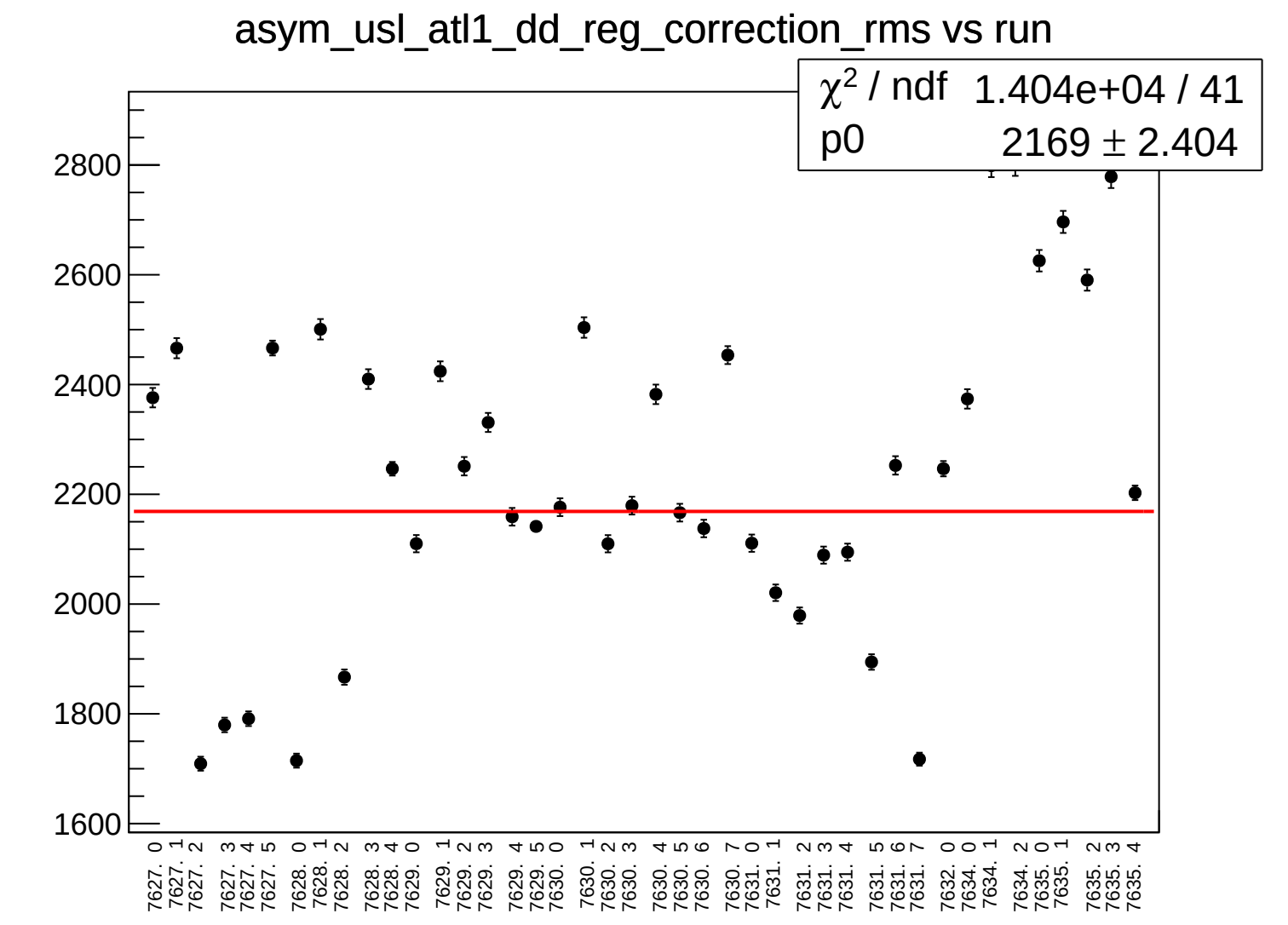

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.45e+05 / 41
p0 7.165e−11 ± 1.031e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

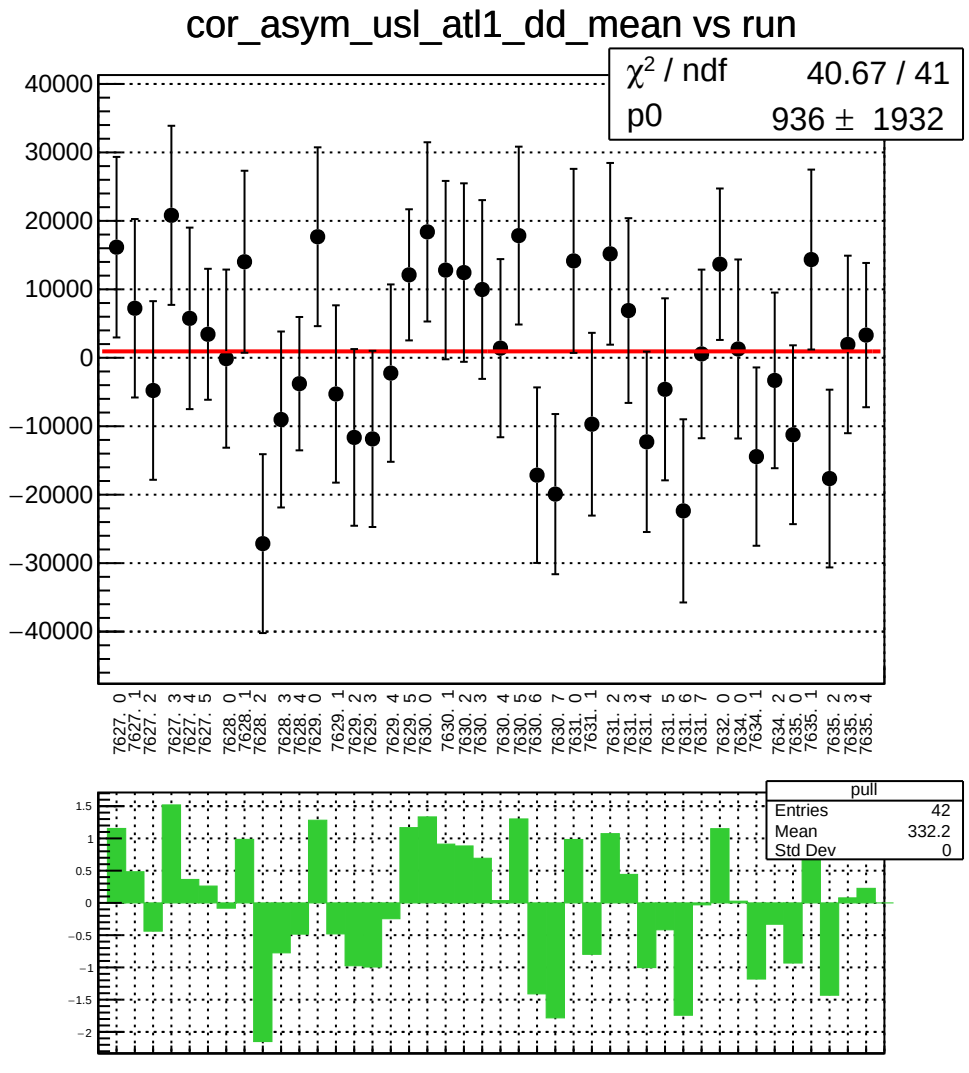

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.66 / 41
p0 936.2 ± 1932
pull
Entries 42
Mean 332.2
Std Dev 0

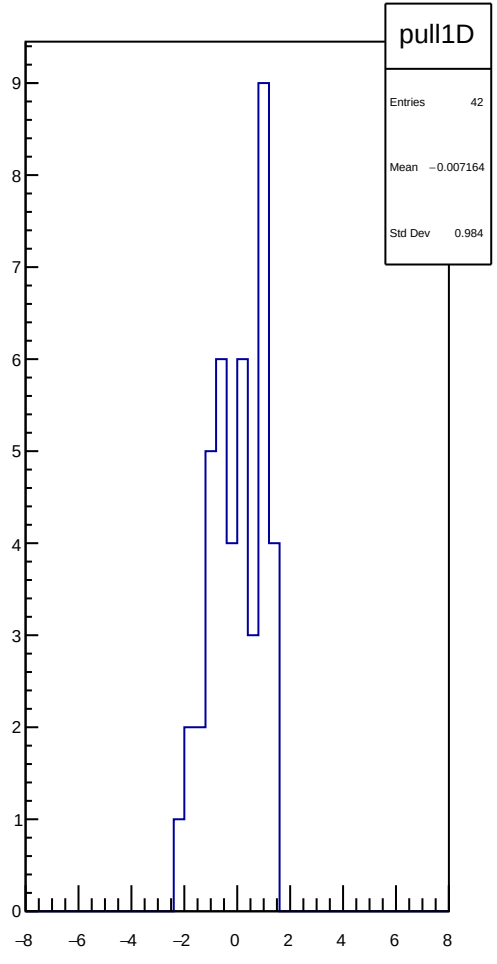

pull1D
Entries 42
Mean −0.007164
Std Dev 0.984

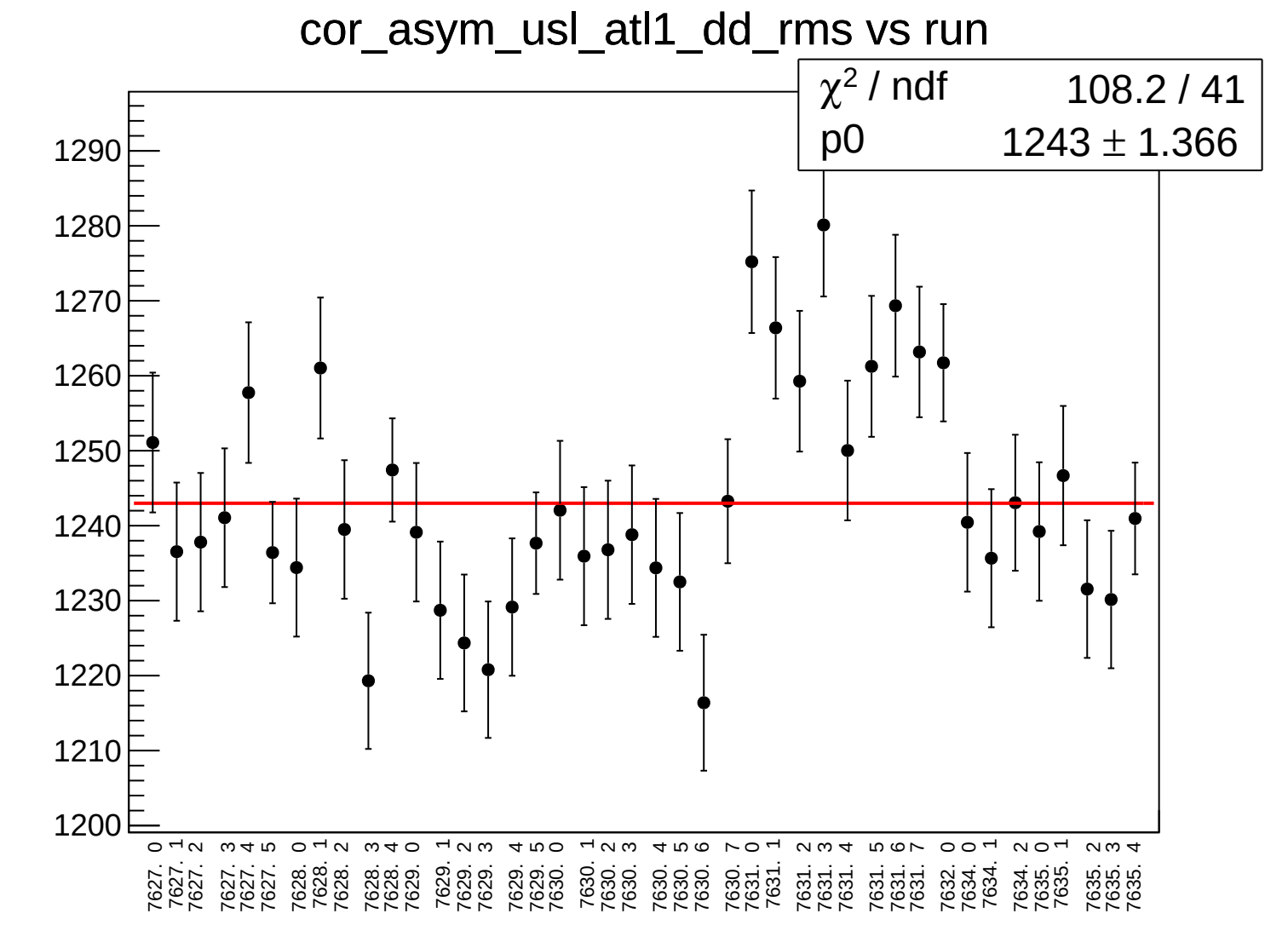

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 108.2 / 41
p0 1243 ± 1.366
1290
1280
1270
1260
1250
1240
1230
1220
1210
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

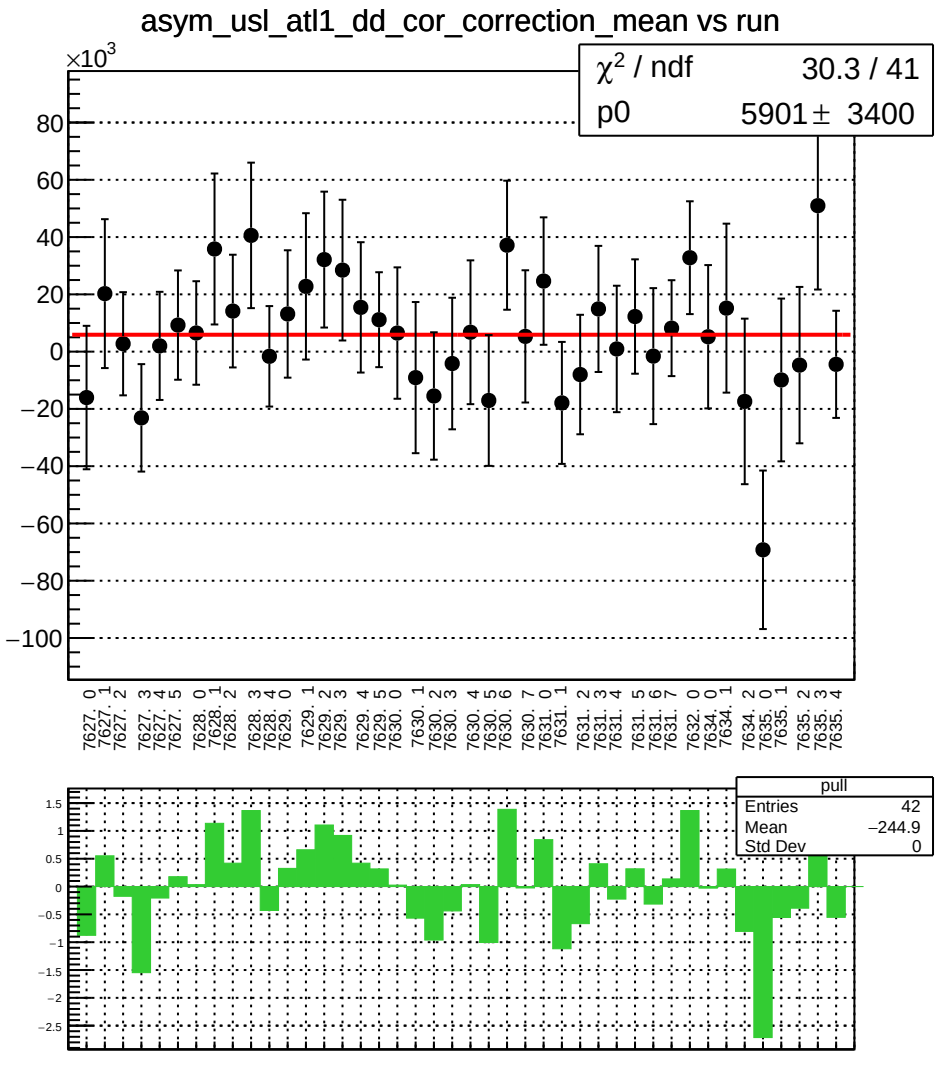

asym_usl_atl1_dd_reg_correction_mean vs run
×10^3
χ² / ndf 30.3 / 41
p0 5901 ± 3400
pull
Entries 42
Mean −244.8
Std Dev 0
pull1D
Entries 42
Mean 0.004874
Std Dev 0.8493

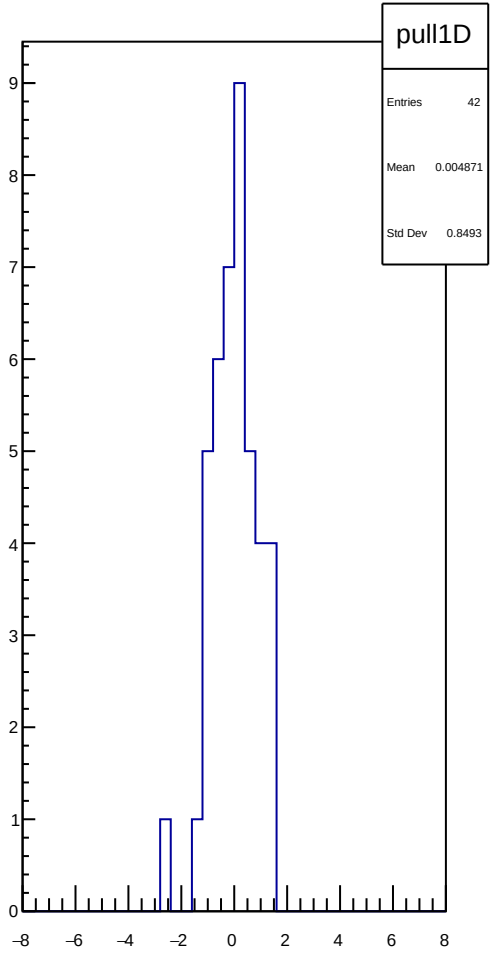

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 1.404e+04 / 41
p0 2169 ± 2.404
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

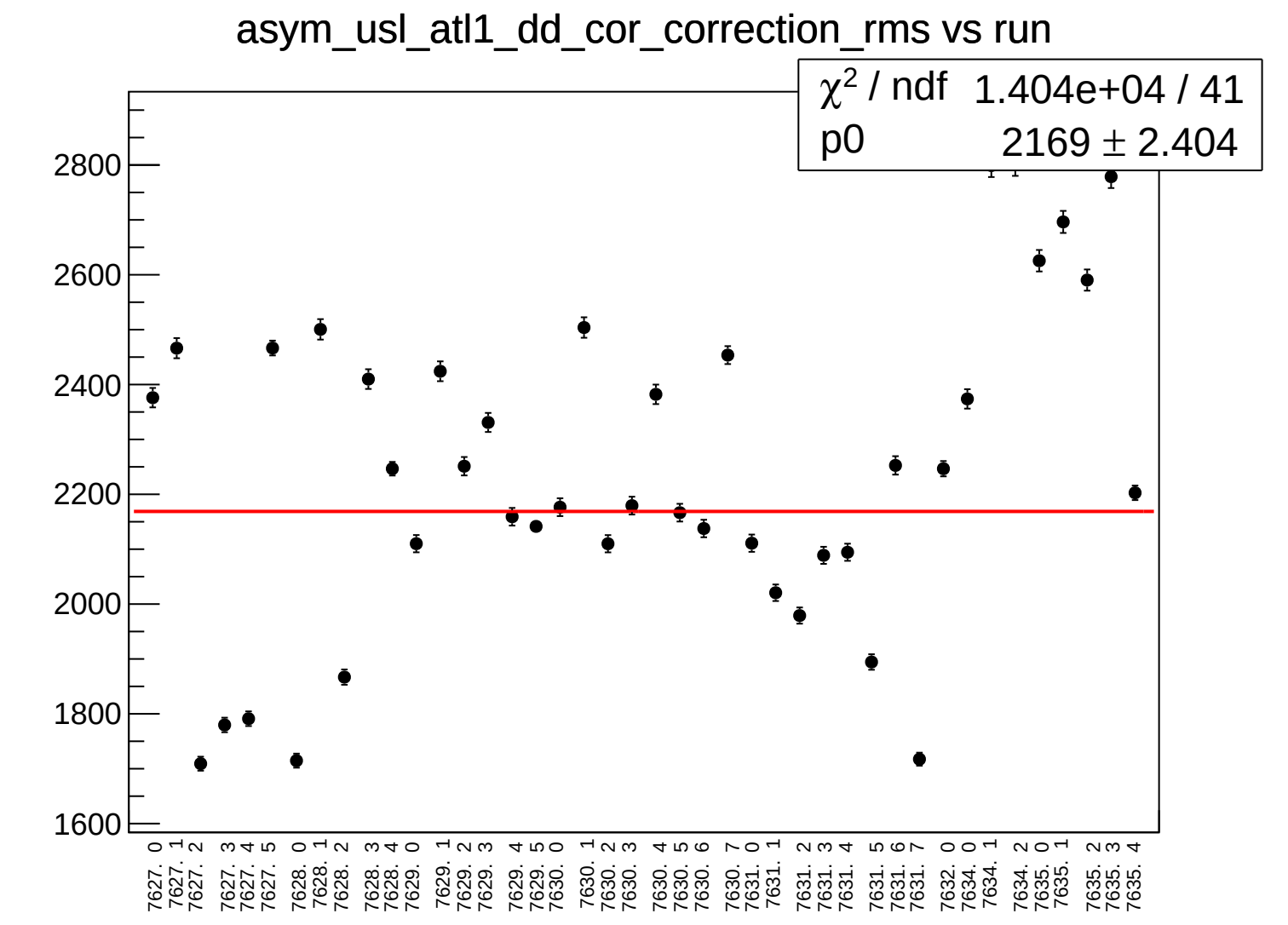

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.67 / 41
p0 936 ± 1932
pull
Entries 42
Mean 332.2
Std Dev 0


pull1D
Entries 42
Mean −0.007164
Std Dev 0.984


cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 108.2 / 41
p0 1243 ± 1.366
1290
1280
1270
1260
1250
1240
1230
1220
1210
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl1_dd_cor_correction_mean vs run
×10^3
χ² / ndf 30.3 / 41
p0 5901 ± 3400
pull
Entries 42
Mean −244.9
Std Dev 0


pull1D
Entries 42
Mean 0.004871
Std Dev 0.8493


asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 1.404e+04 / 41
p0 2169 ± 2.404
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7632. 0
7634. 0
7634. 1
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7635. 0
7635. 1
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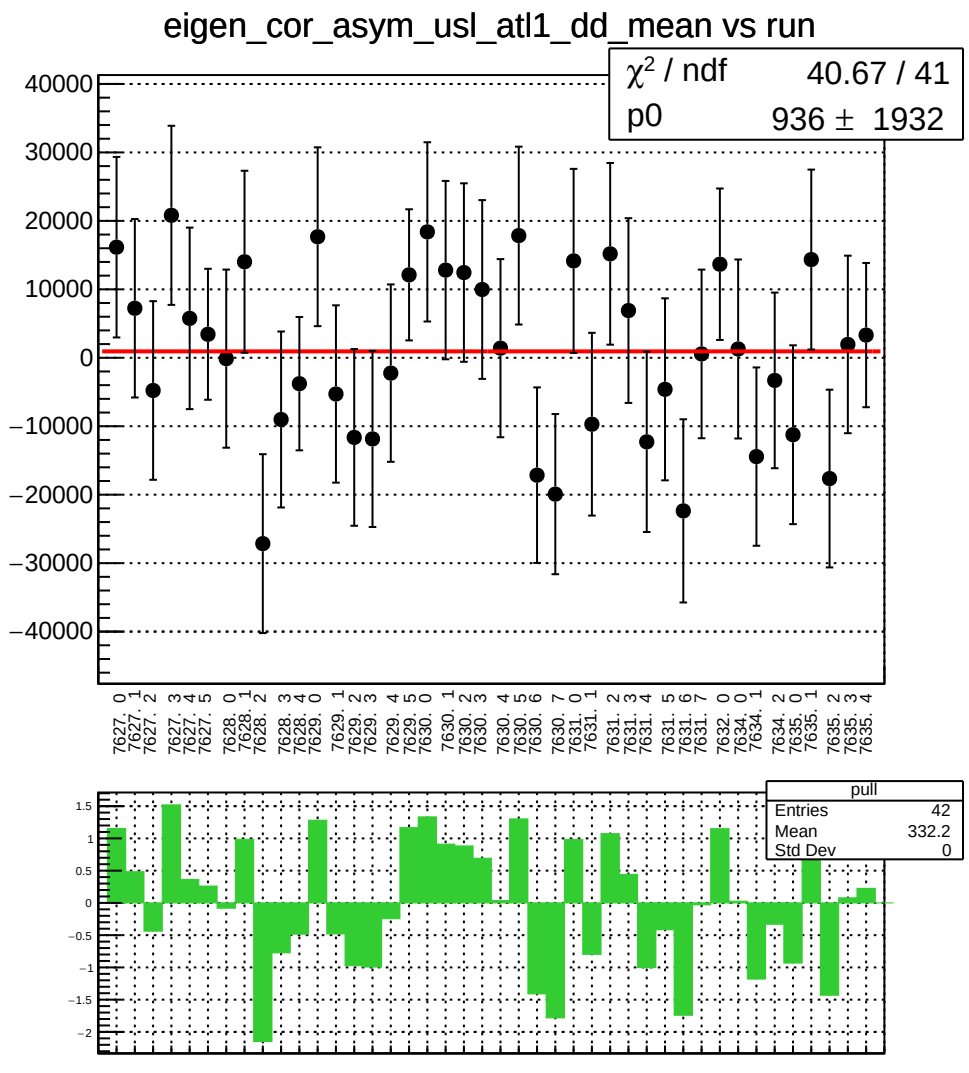
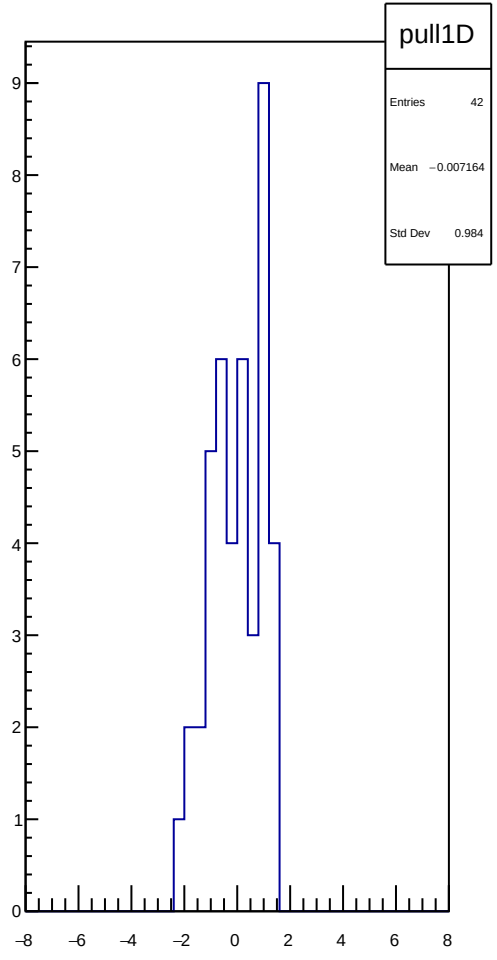
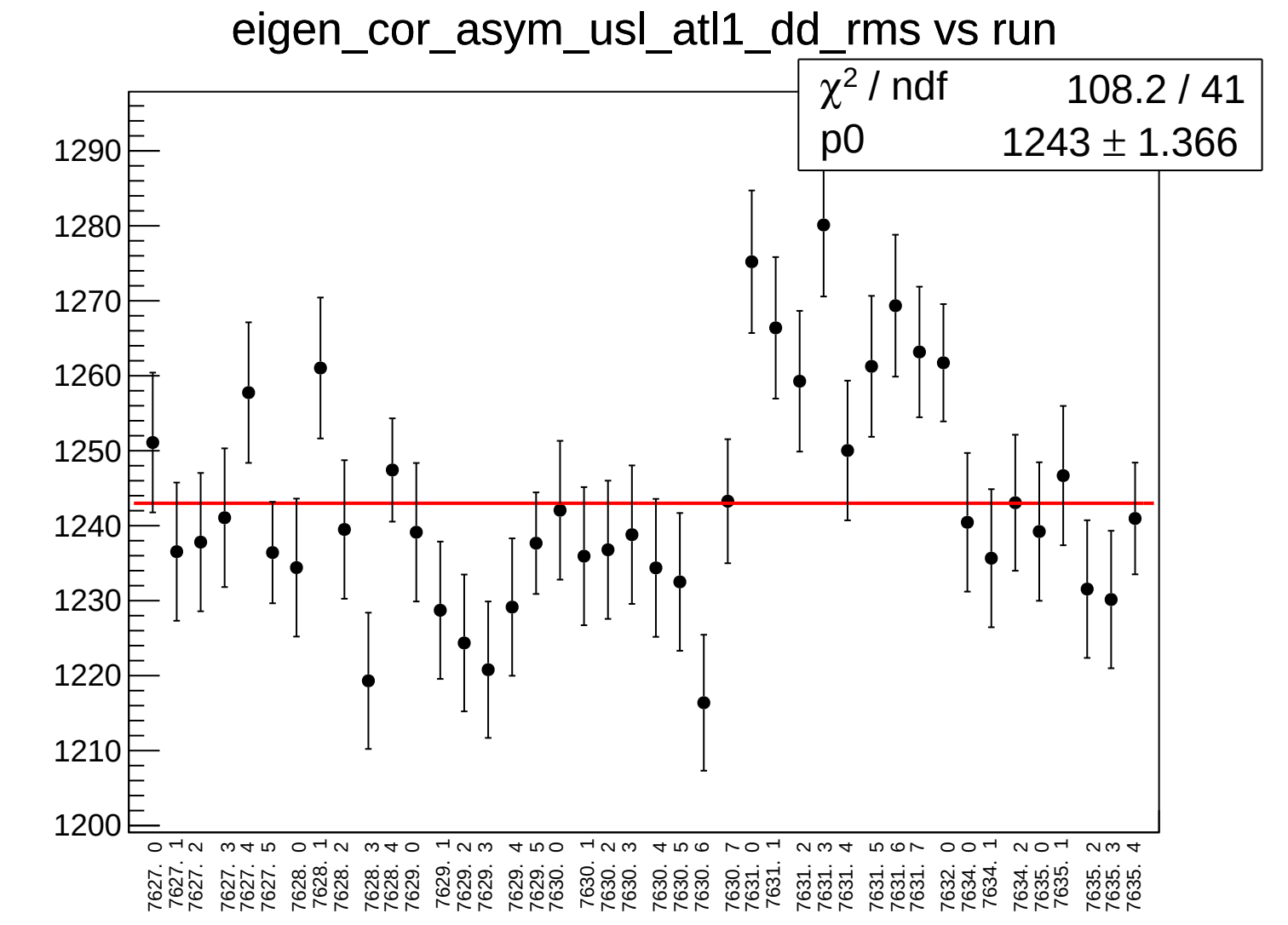
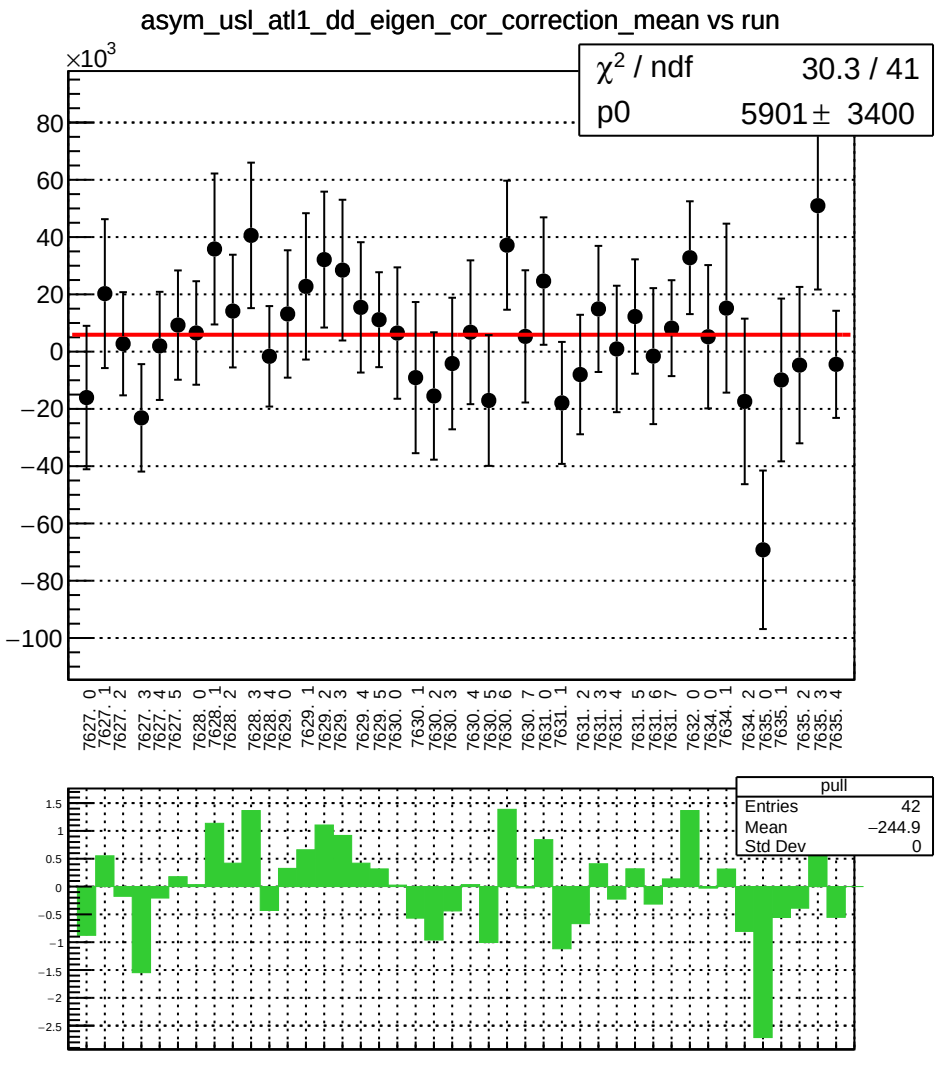
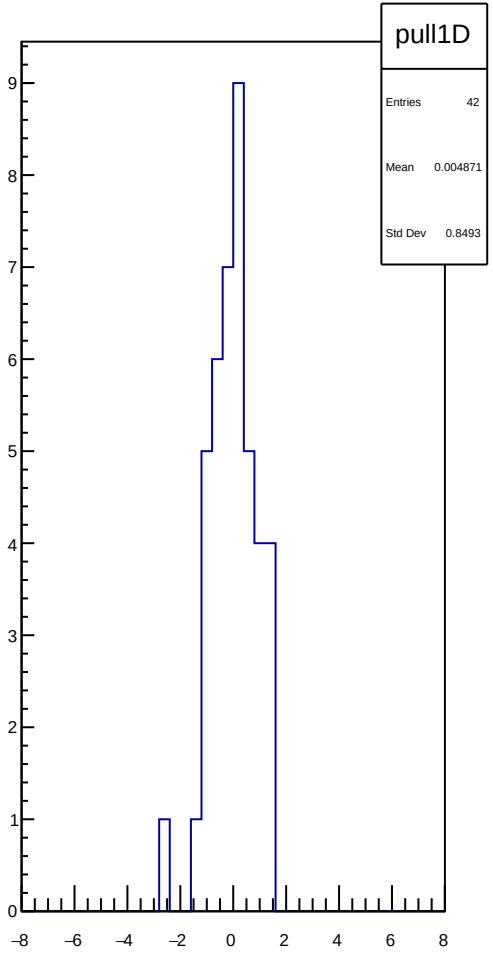
7635. 3
7635. 4

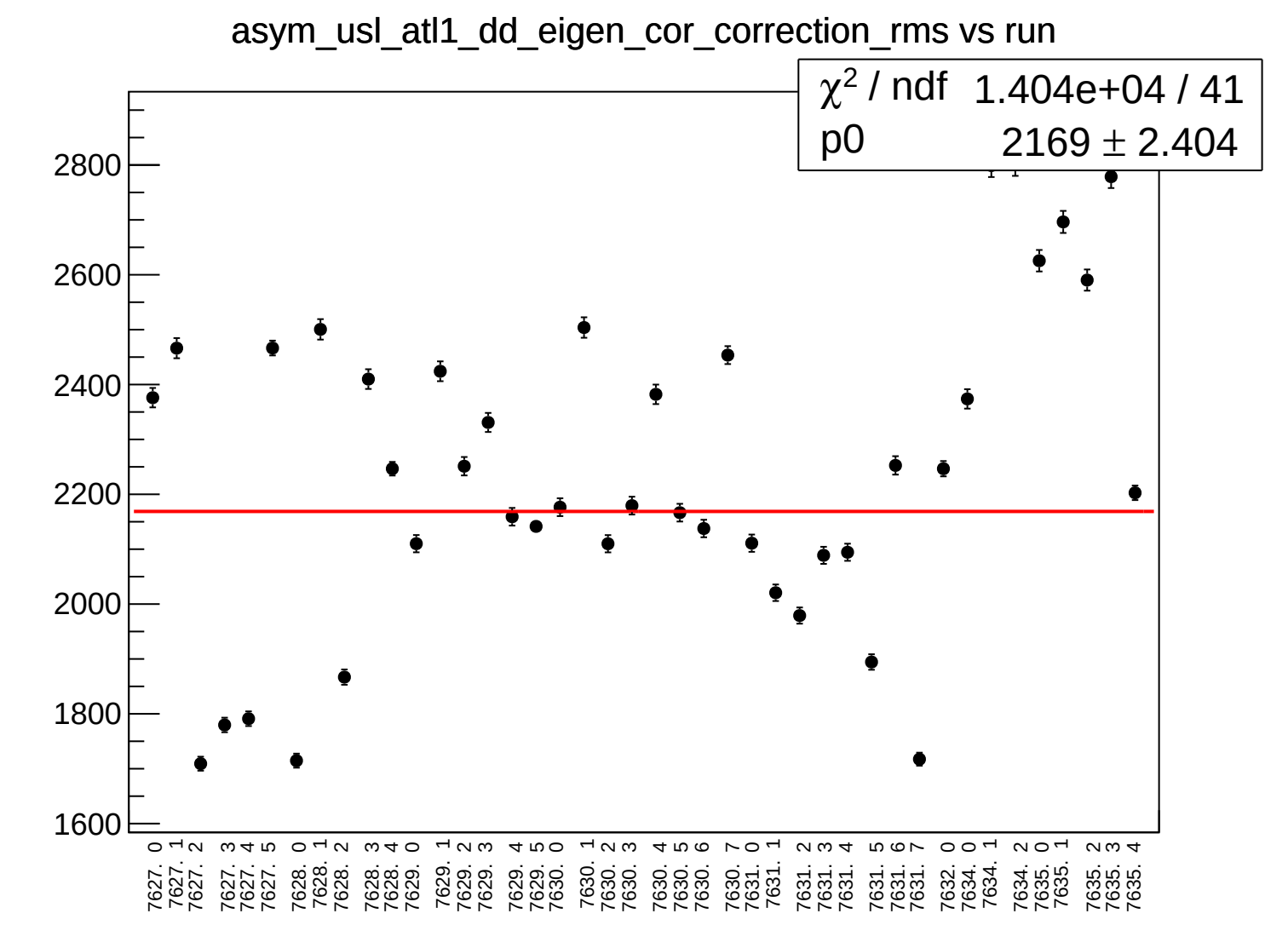

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.67 / 41
p0 936 ± 1932
pull
Entries 42
Mean 332.2
Std Dev 0

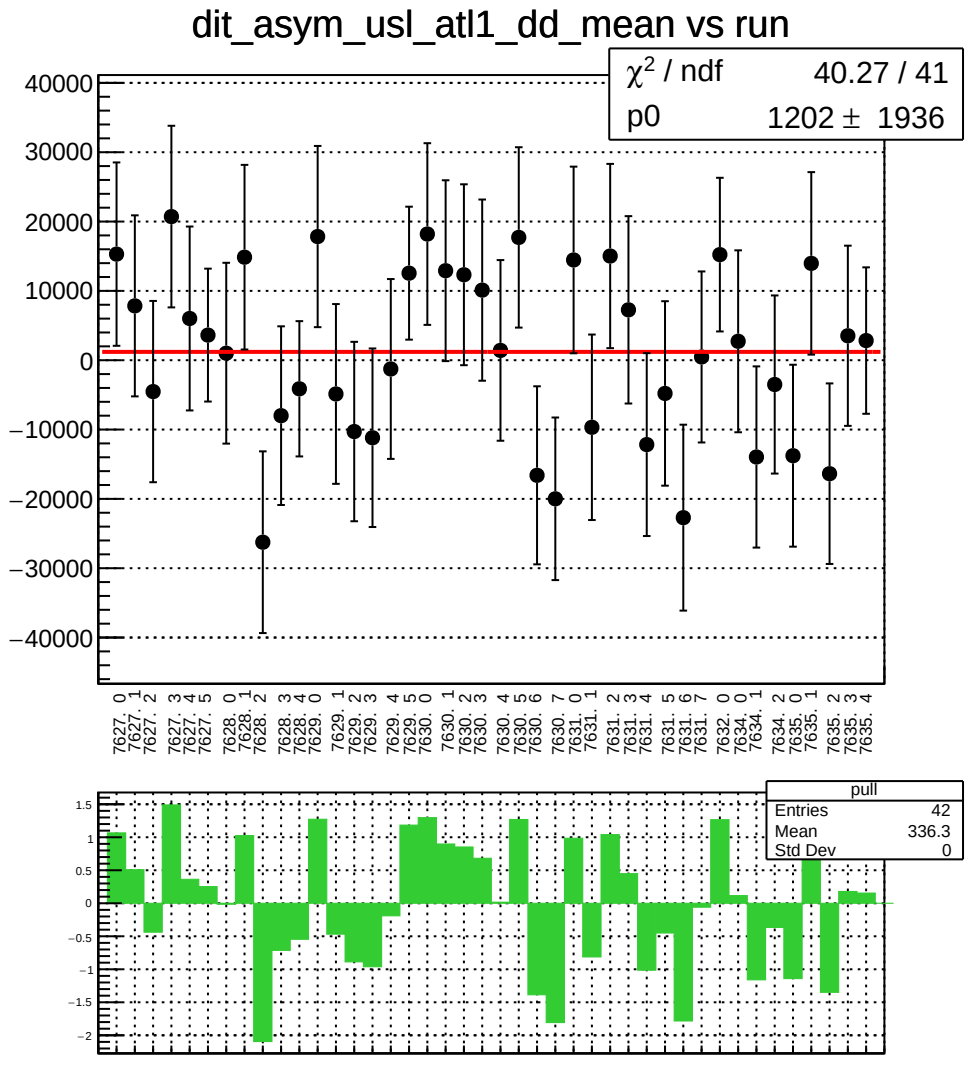

pull1D
Entries 42
Mean −0.007164
Std Dev 0.984

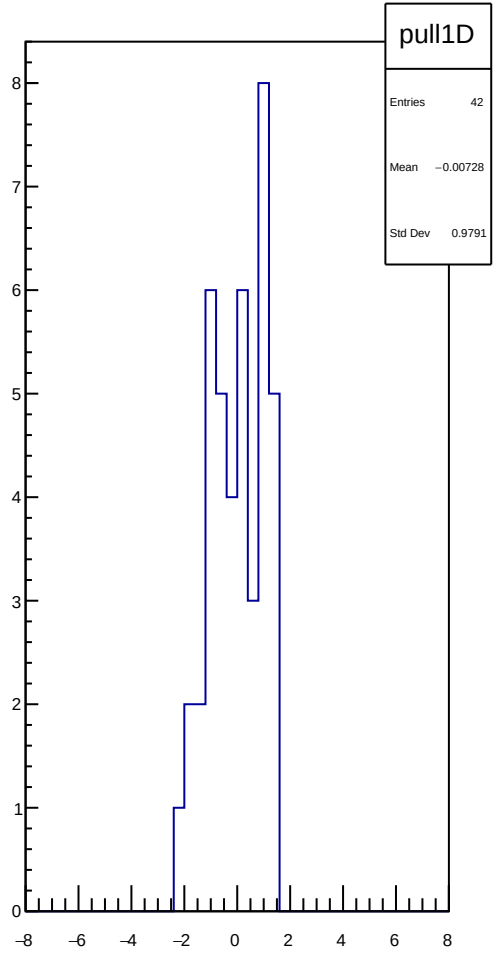

eigen_cor_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 108.2 / 41
p0 1243 ± 1.366
1290
1280
1270
1260
1250
1240
1230
1220
1210
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

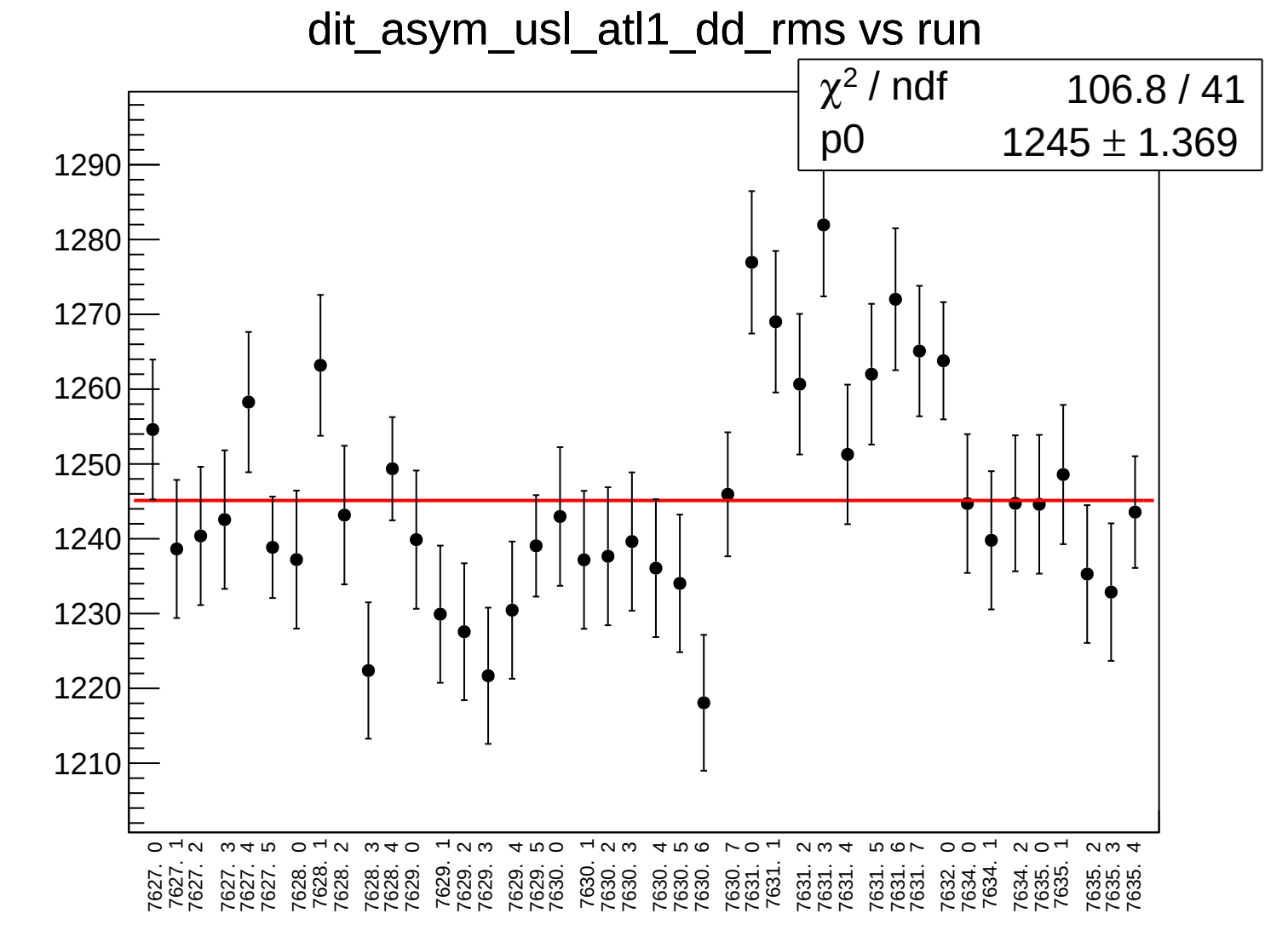

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.3 / 41
p0 5901 ± 3400
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −244.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

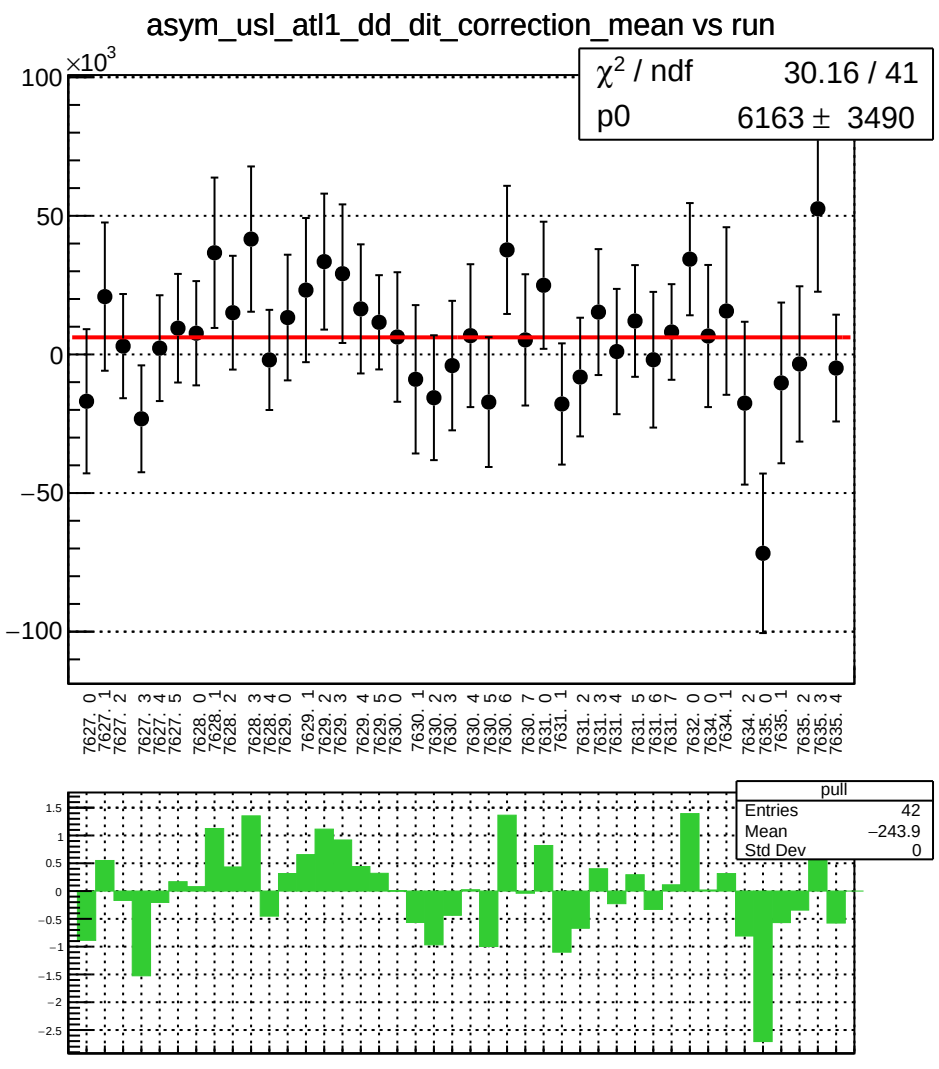

pull1D
Entries 42
Mean 0.004871
Std Dev 0.8493
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

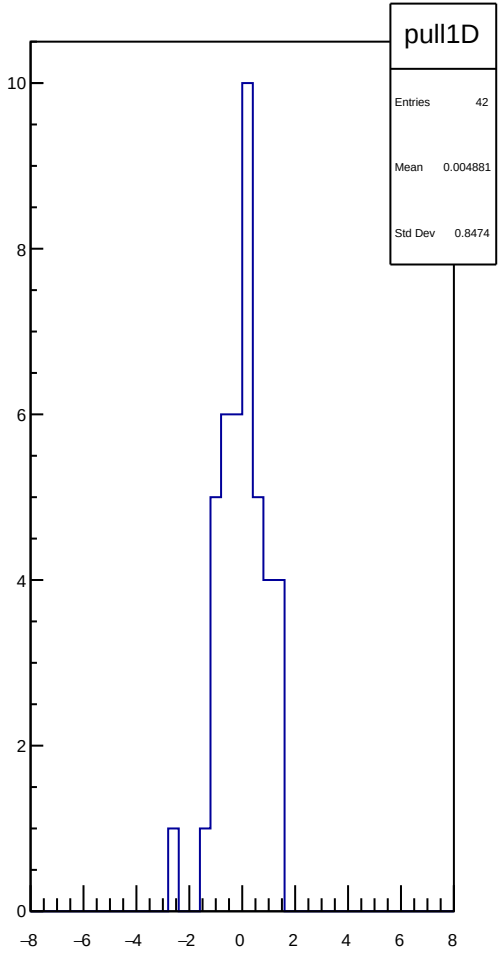

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.404e+04 / 41
p0 2169 ± 2.404
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

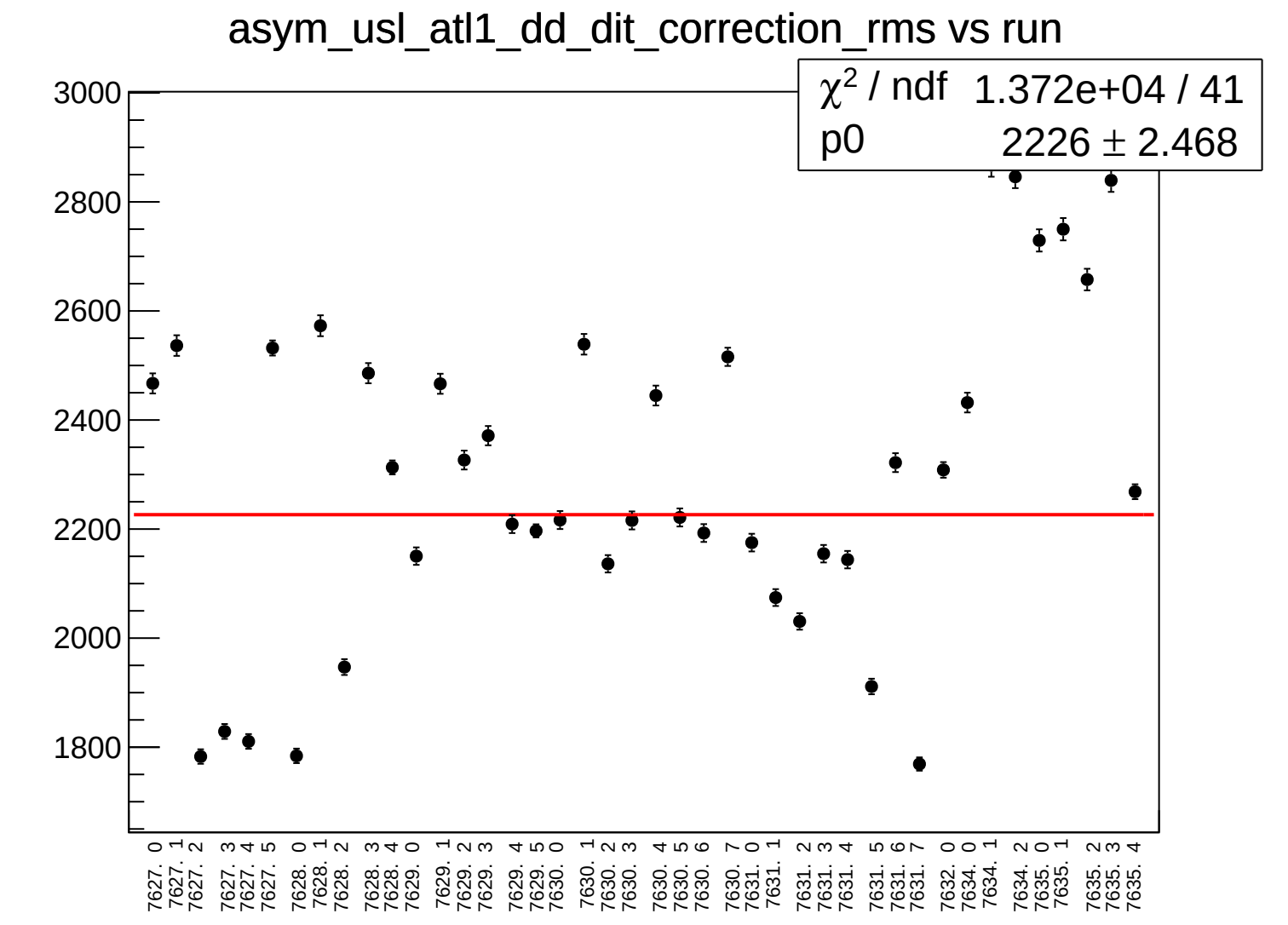

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.27 / 41
p0 1202 ± 1936
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 336.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

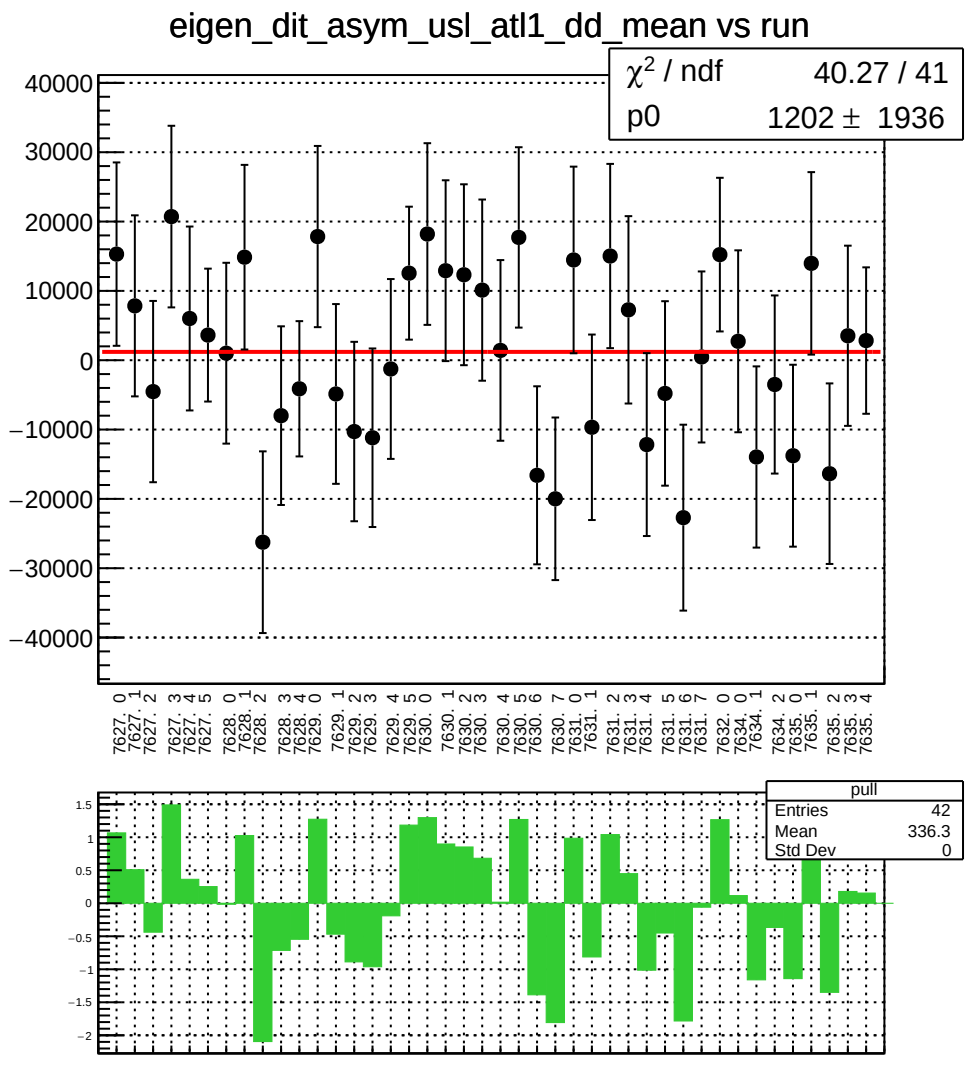

pull1D
Entries 42
Mean −0.00728
Std Dev 0.9791
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

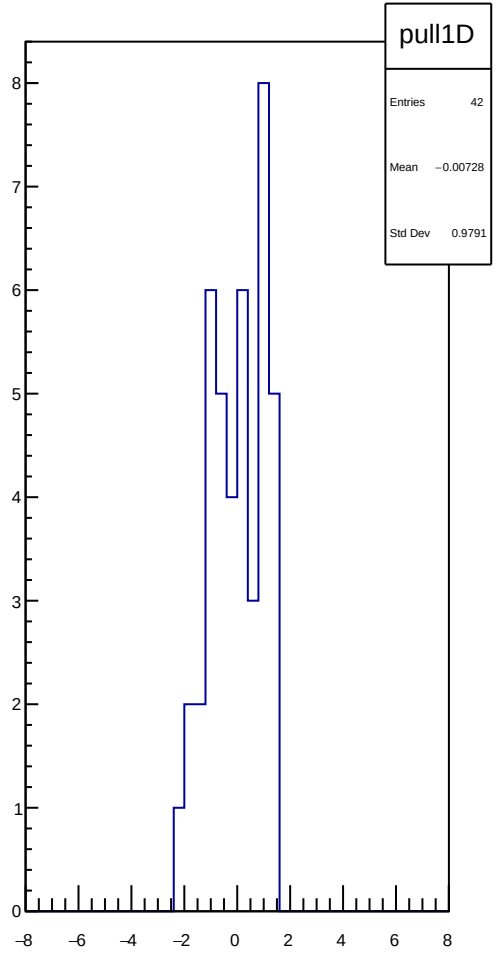

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 106.8 / 41
p0 1245 ± 1.369
1290
1280
1270
1260
1250
1240
1230
1220
1210
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

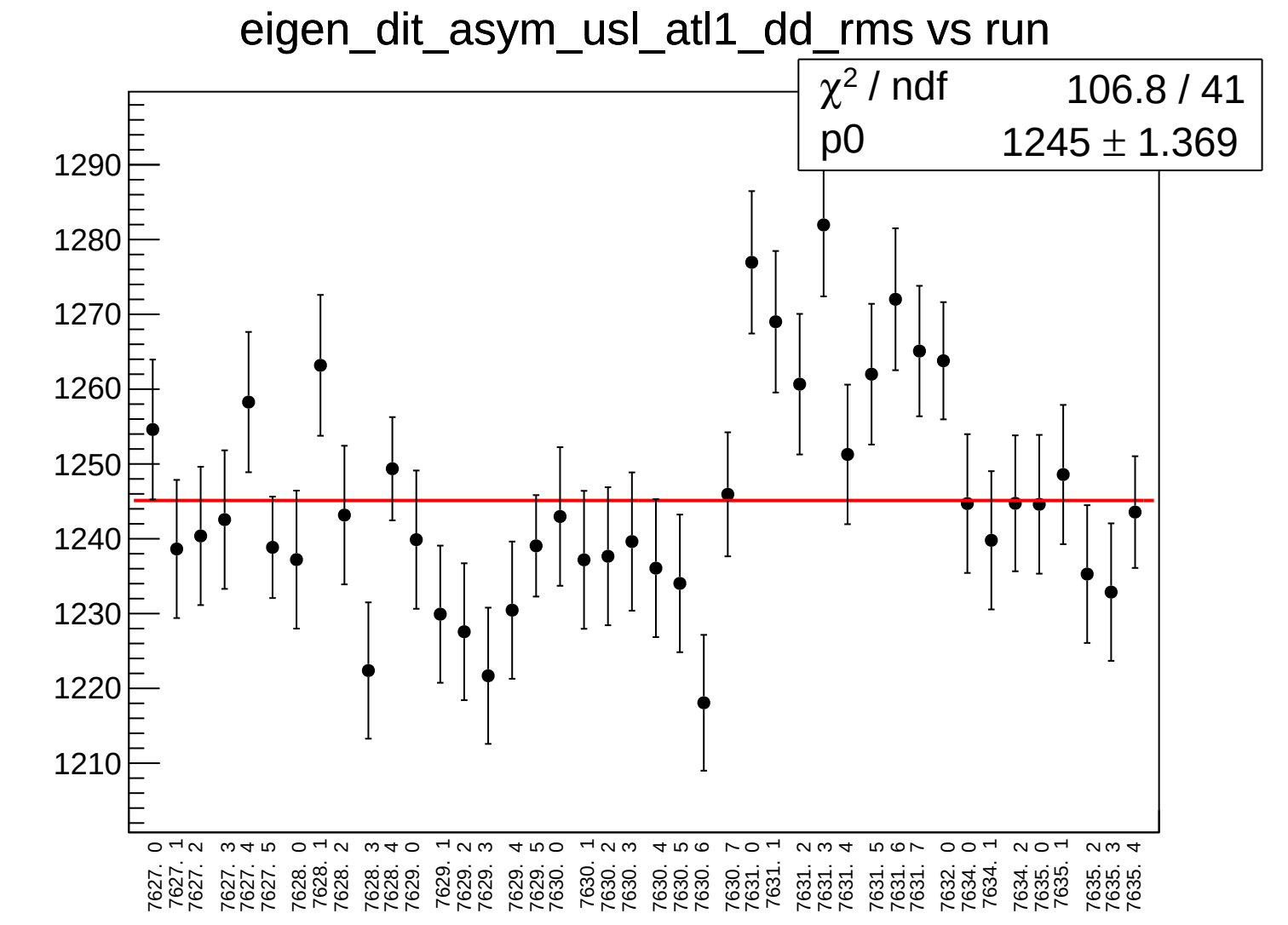

asym_usl_atl1_dd_dit_correction_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 30.16 / 41
p0 6163 ± 3490
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −243.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

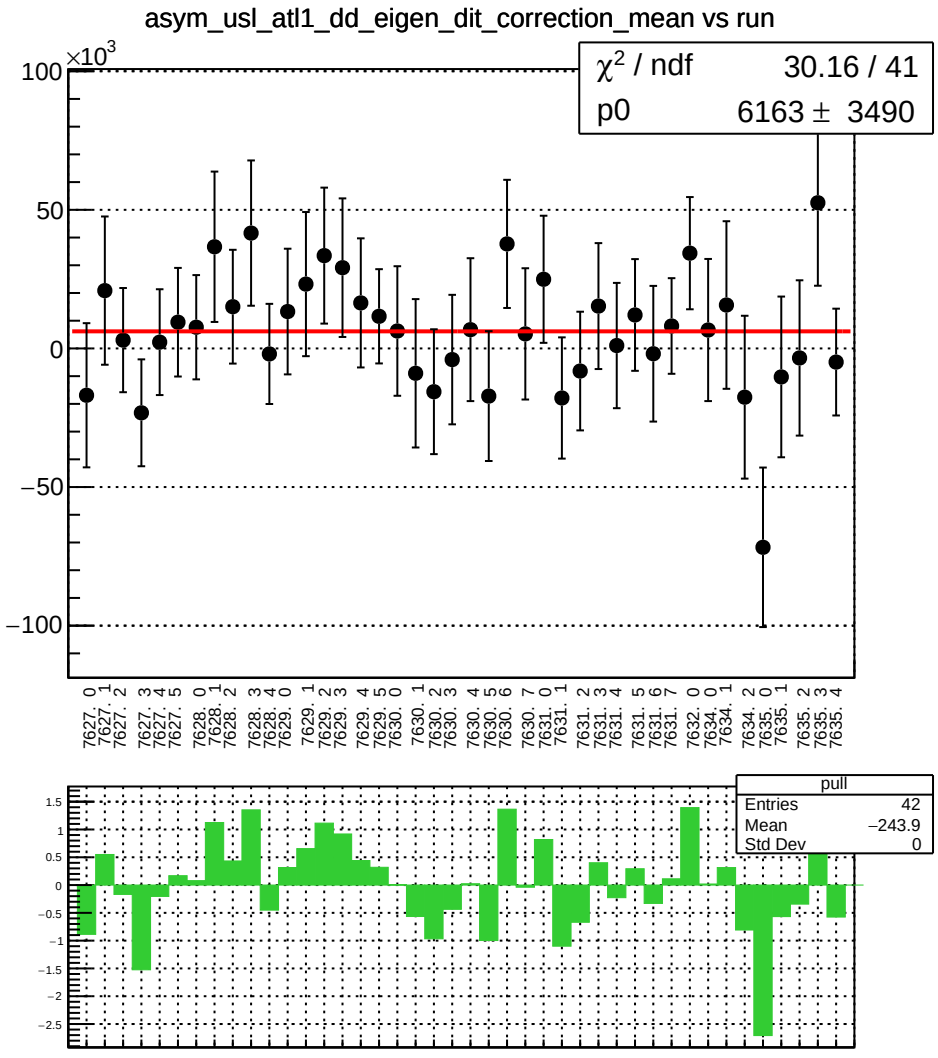

pull1D
Entries 42
Mean 0.004881
Std Dev 0.8474
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

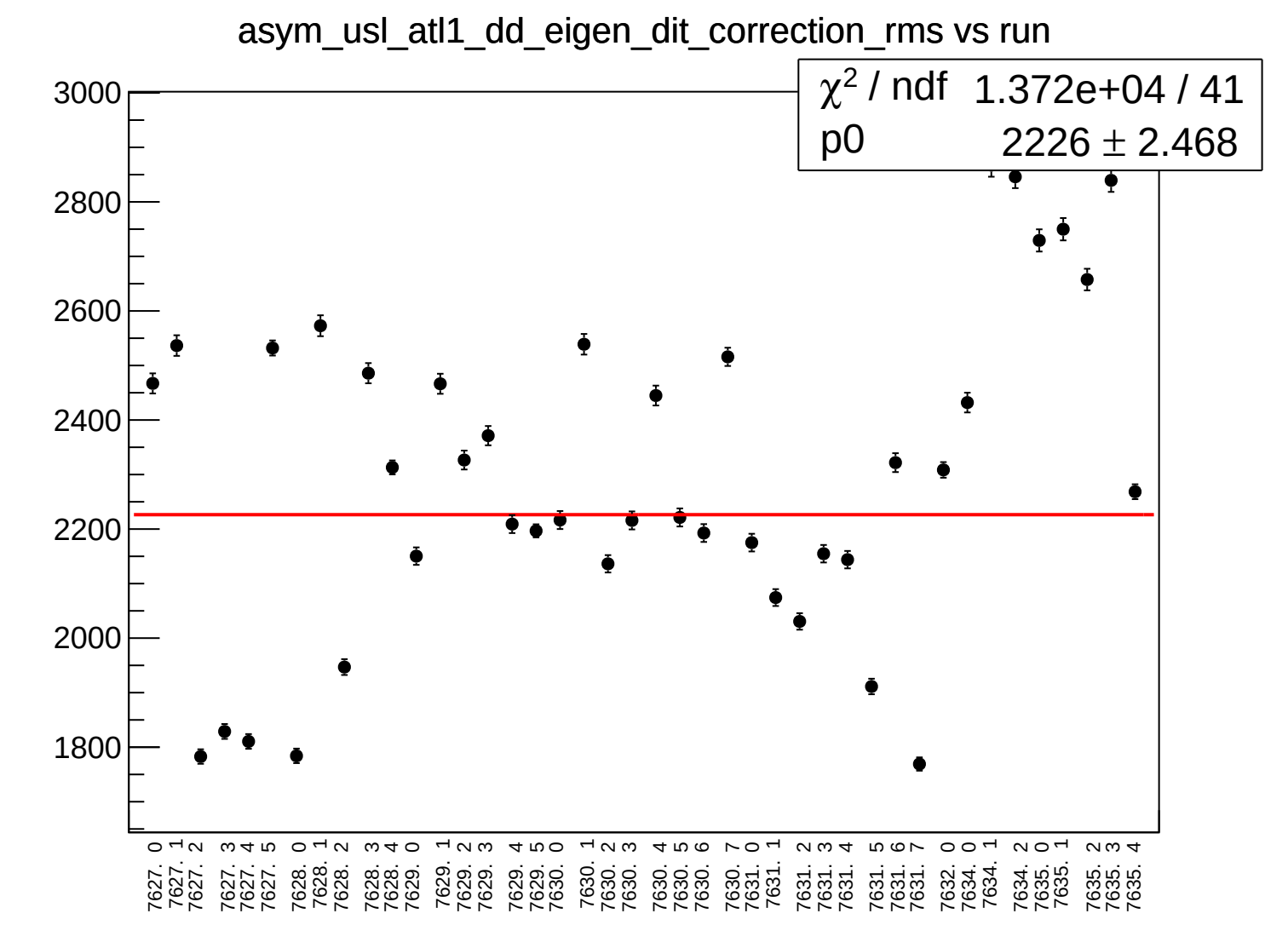

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 1.372e+04 / 41
p0 2226 ± 2.468
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

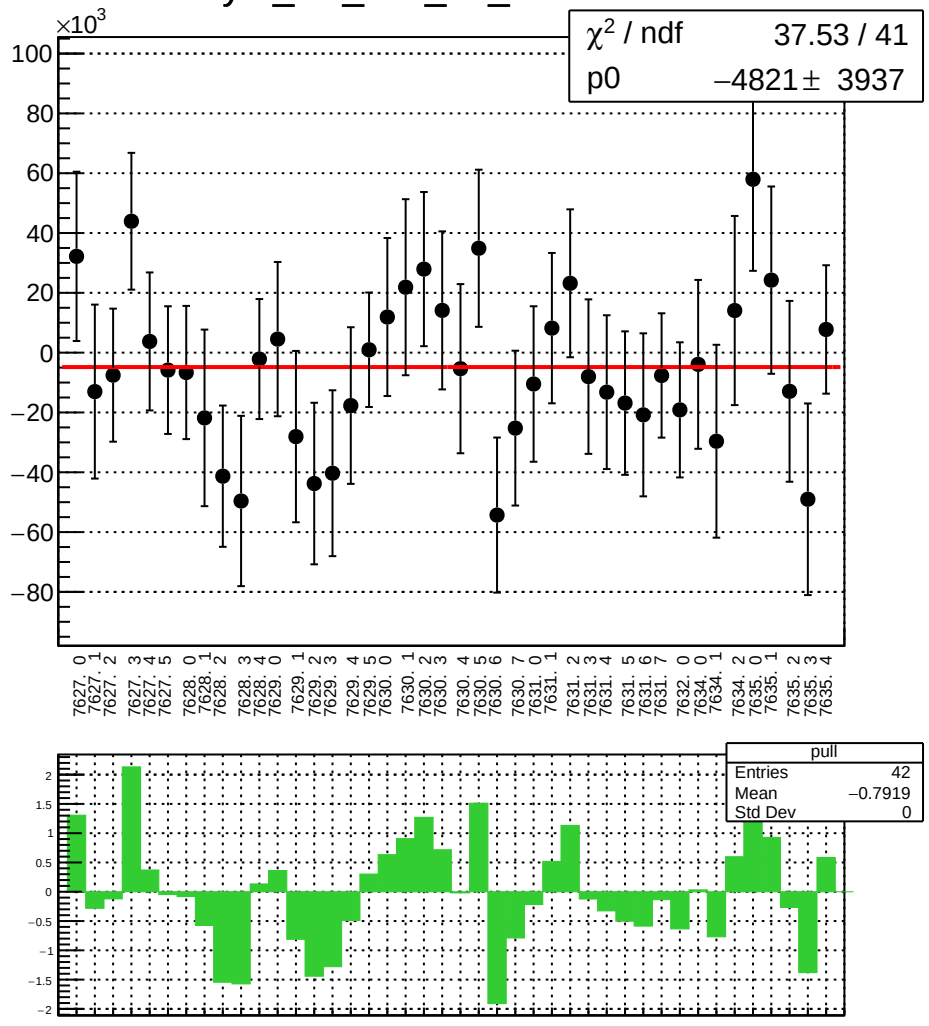

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 40.27 / 41
p0 1202 ± 1936
pull
Entries 42
Mean 336.3
Std Dev 0

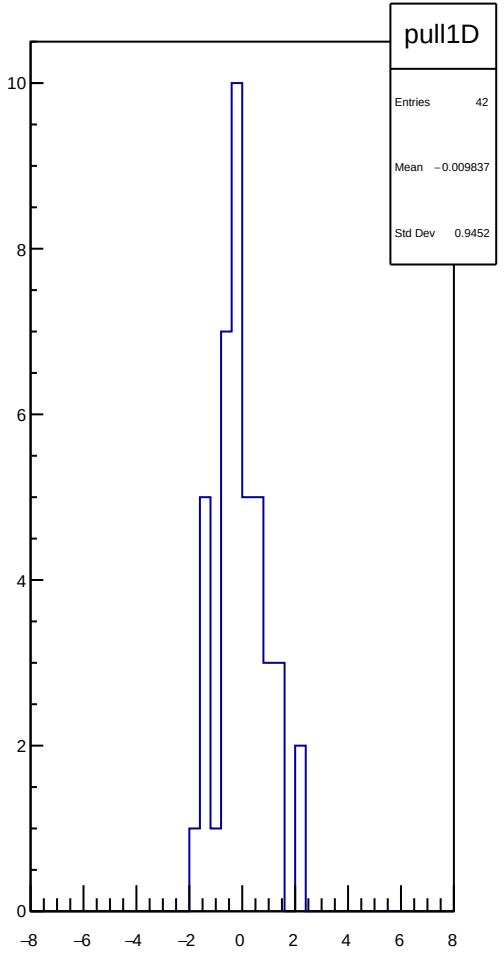

pull1D
Entries 42
Mean −0.00728
Std Dev 0.9791

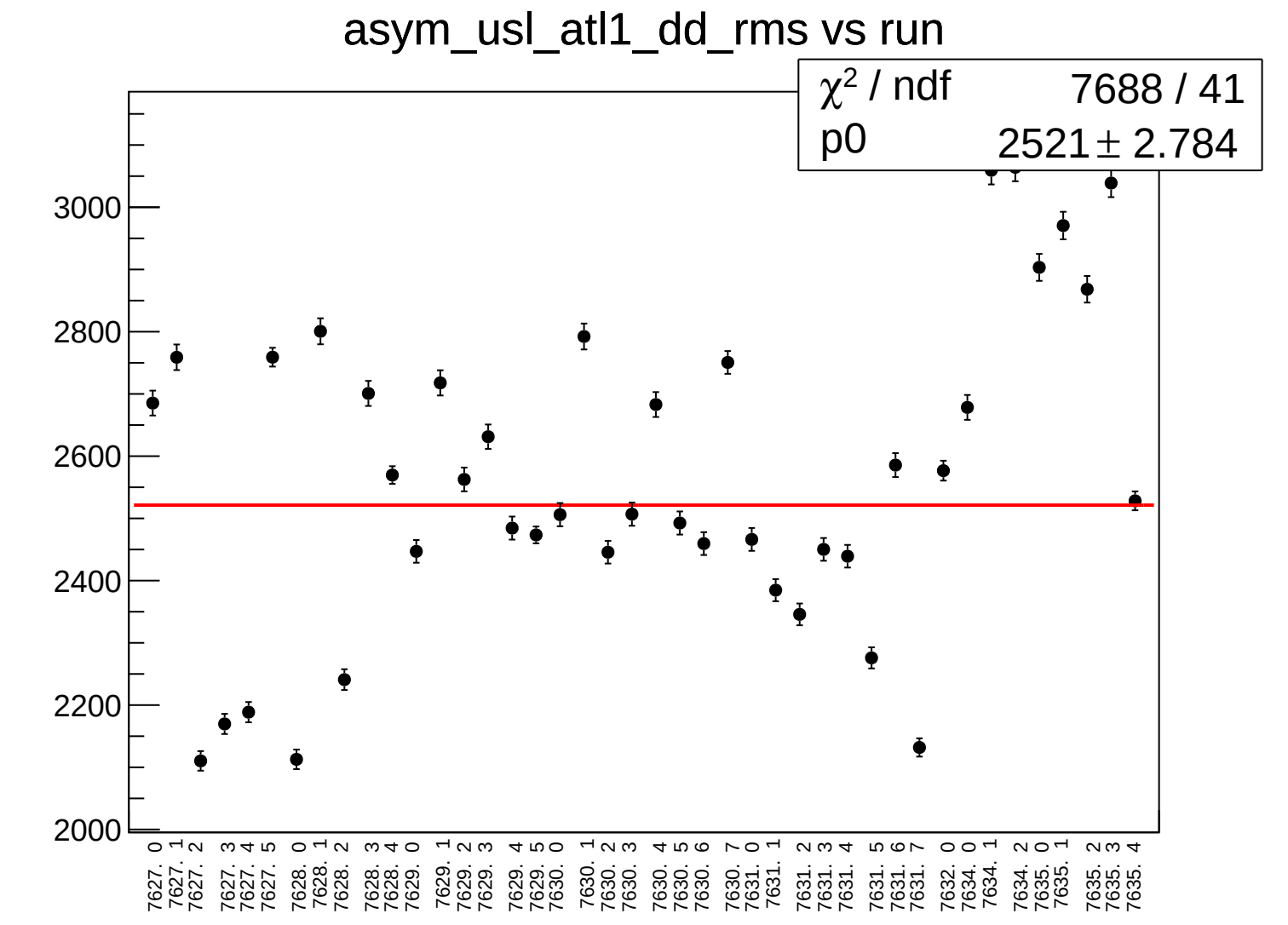

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 106.8 / 41
p0 1245 ± 1.369
1290
1280
1270
1260
1250
1240
1230
1220
1210
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

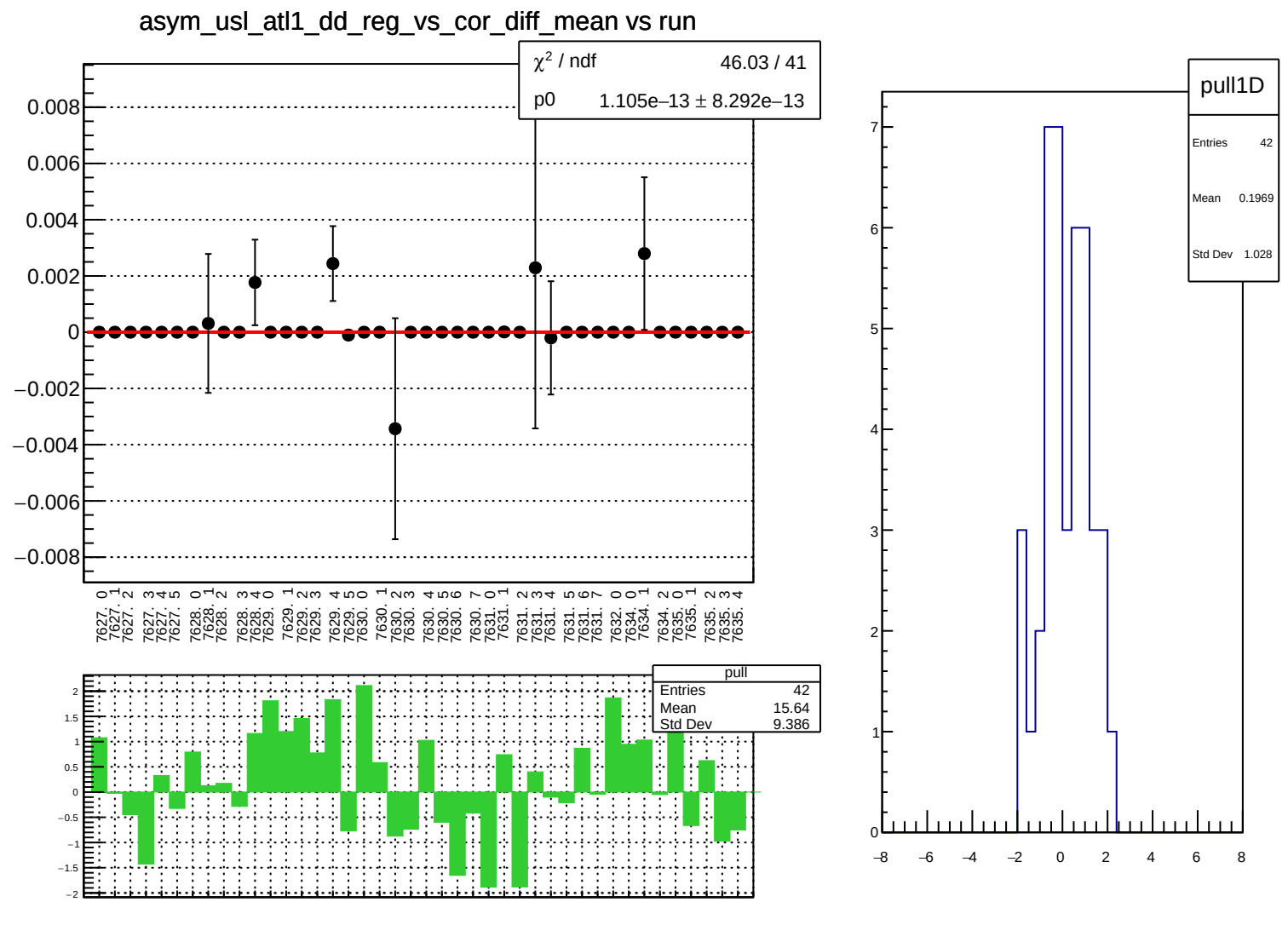

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 30.16 / 41
p0 6163 ± 3490
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −243.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.004881
Std Dev 0.8474
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

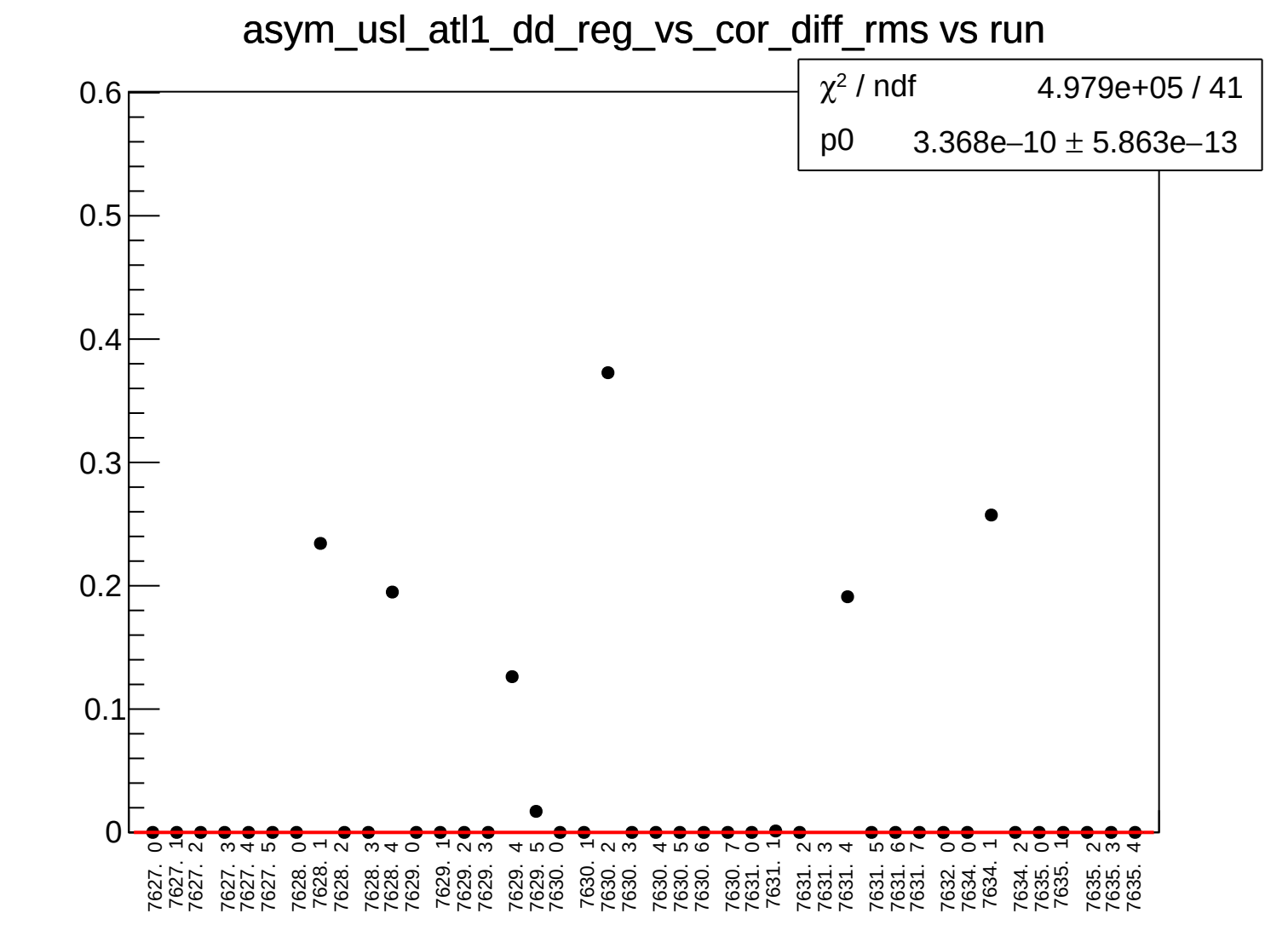

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.372e+04 / 41
p0 2226 ± 2.468
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

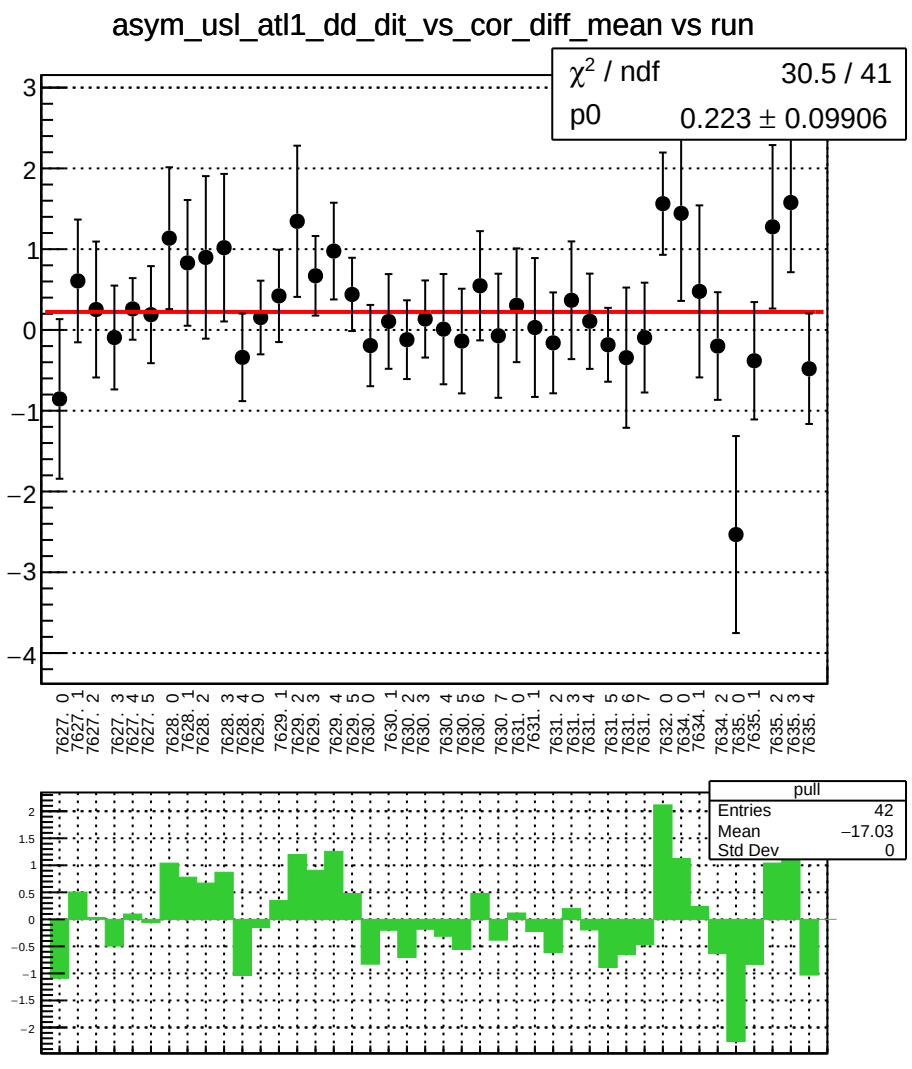

asym_usl_atl1_dd_mean vs run
×10^3
χ² / ndf 37.53 / 41
p0 −4821 ± 3937
pull
Entries 42
Mean −0.7919
Std Dev 0

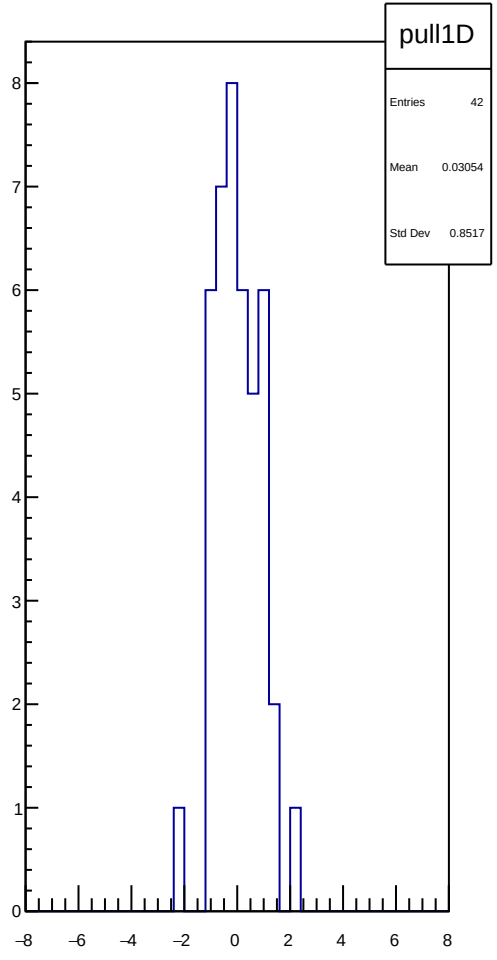

pull1D
Entries 42
Mean −0.009837
Std Dev 0.9452

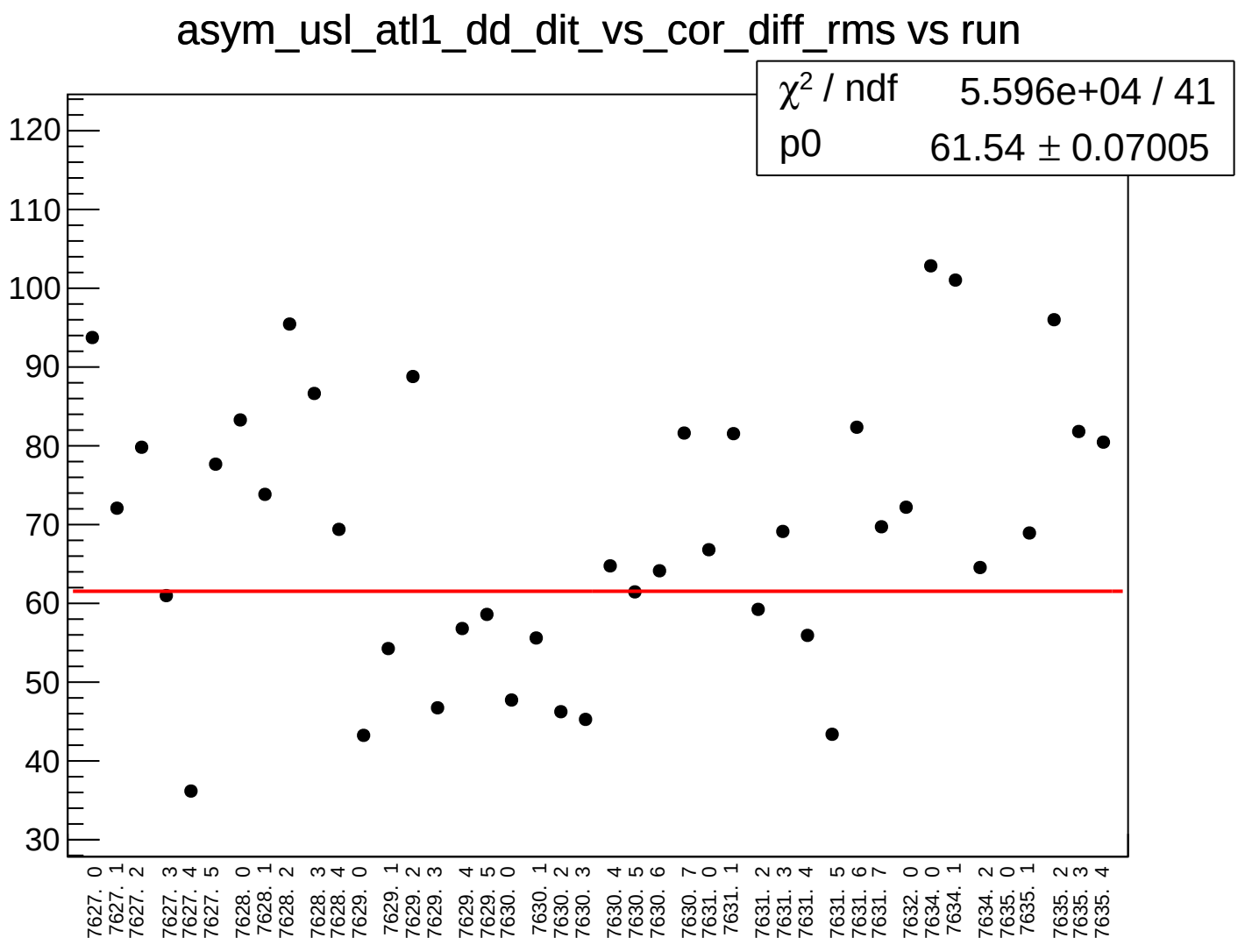

asym_usl_atl1_dd_rms vs run
χ² / ndf 7688 / 41
p0 2521 ± 2.784
3000
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

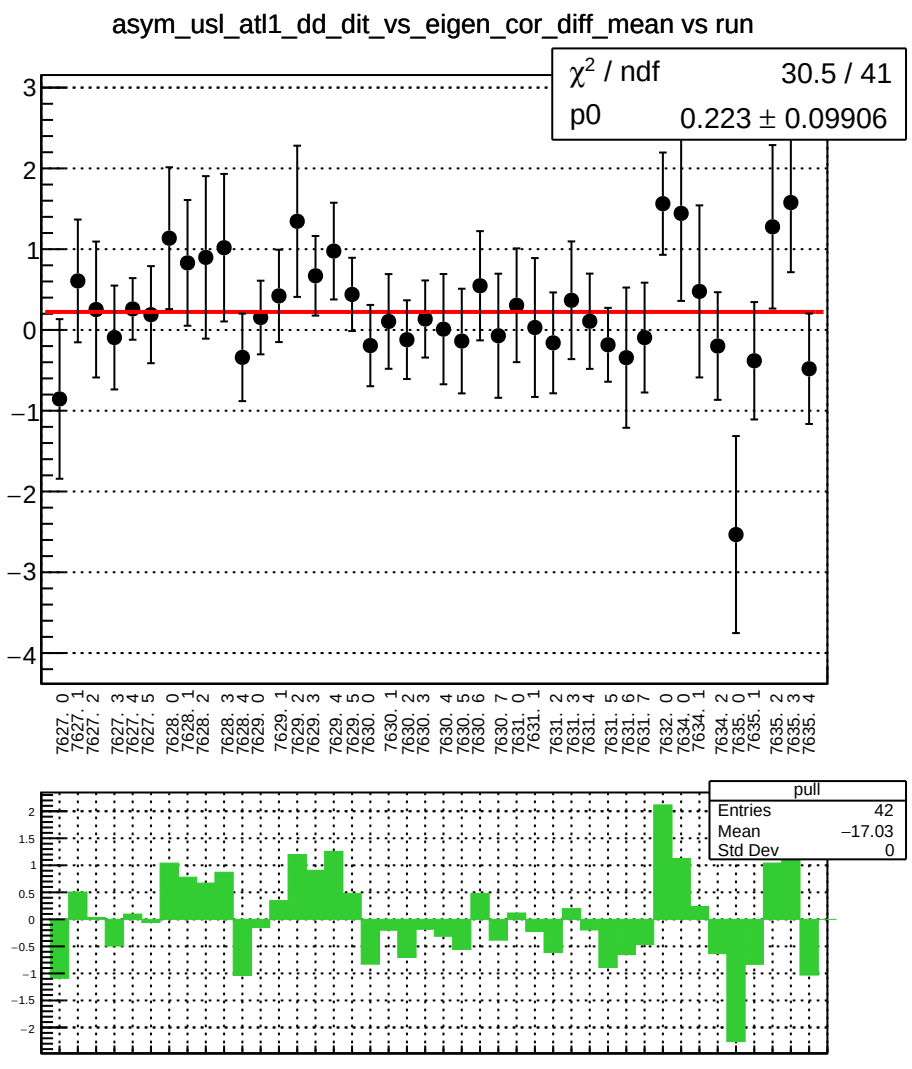

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.03 / 41
p0 1.105e−13 ± 8.292e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.64
Std Dev 9.386
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.1969
Std Dev 1.028
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

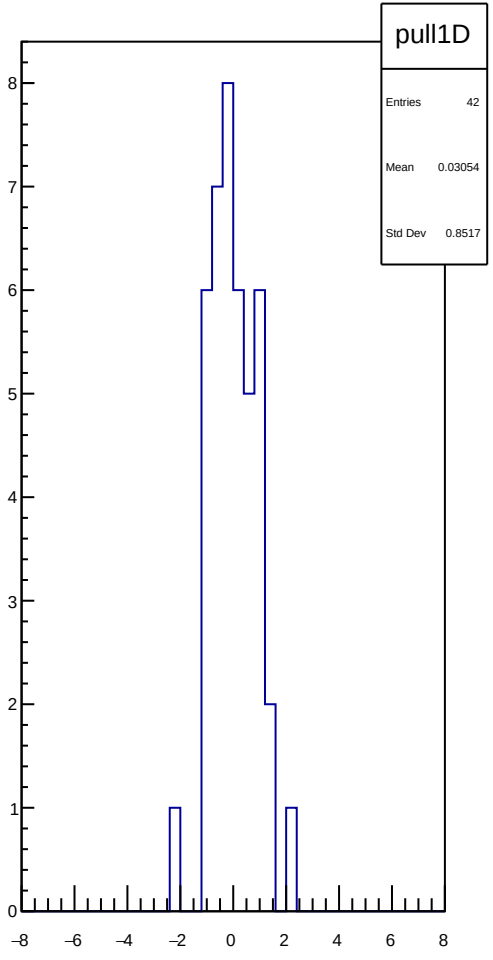

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.979e+05 / 41
p0 3.368e−10 ± 5.863e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

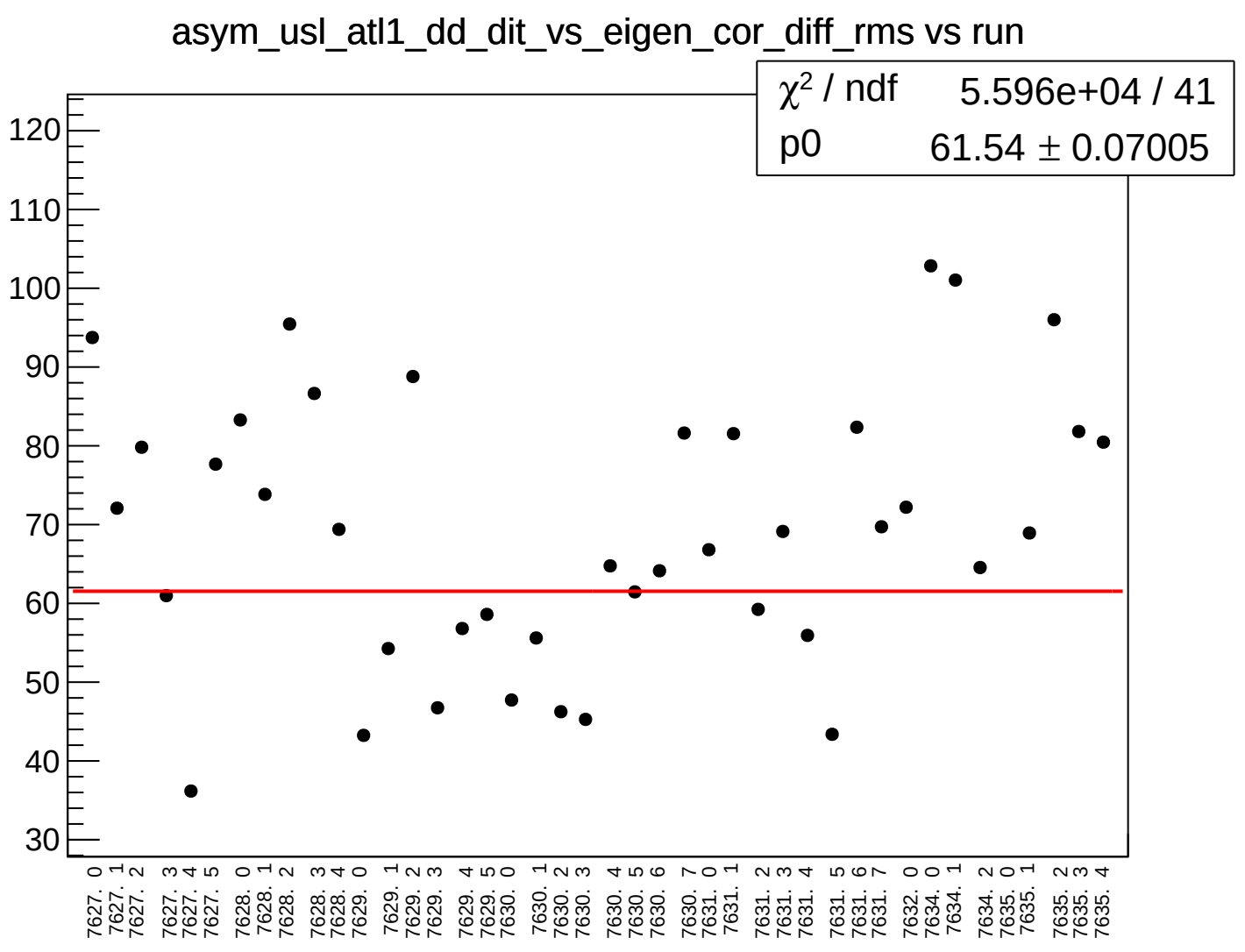

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 30.5 / 41
p0 0.223 ± 0.09906
pull
Entries 42
Mean −17.03
Std Dev 0

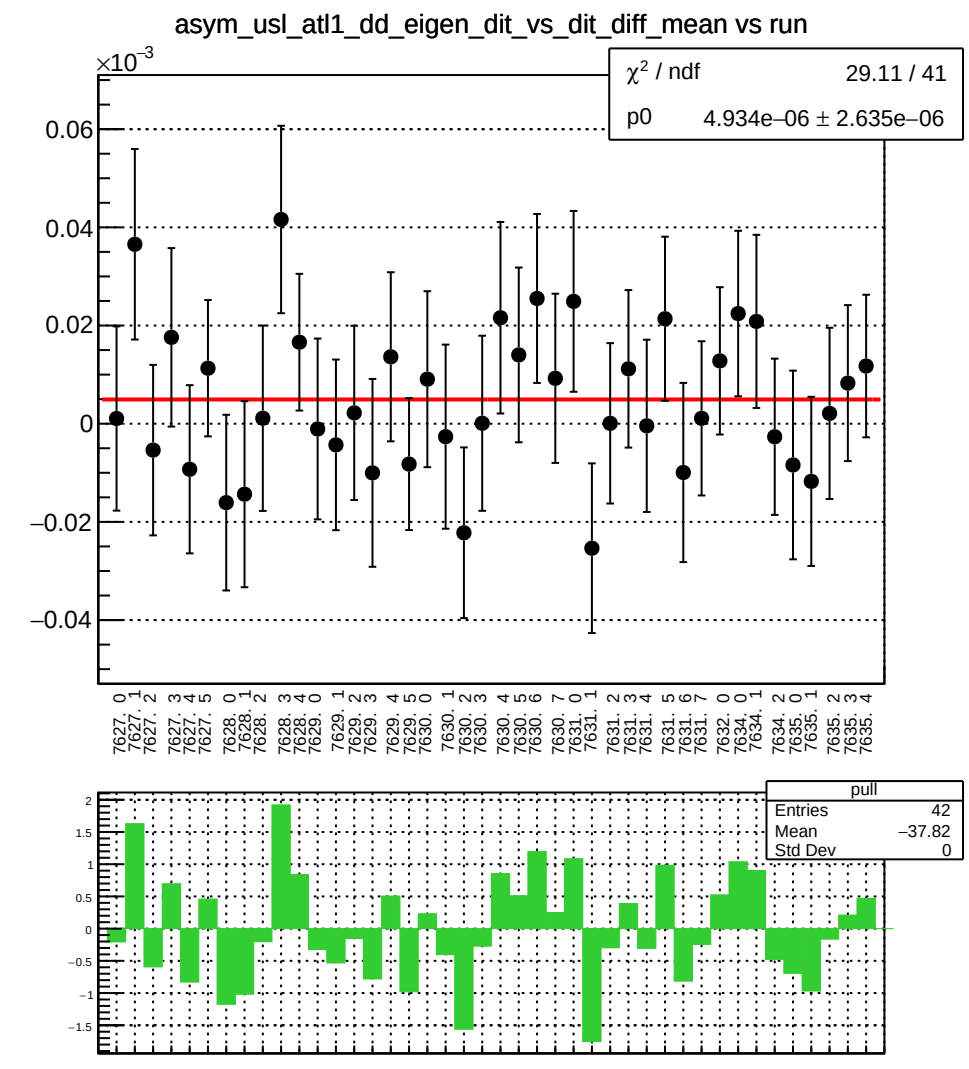

pull1D
Entries 42
Mean 0.03054
Std Dev 0.8517

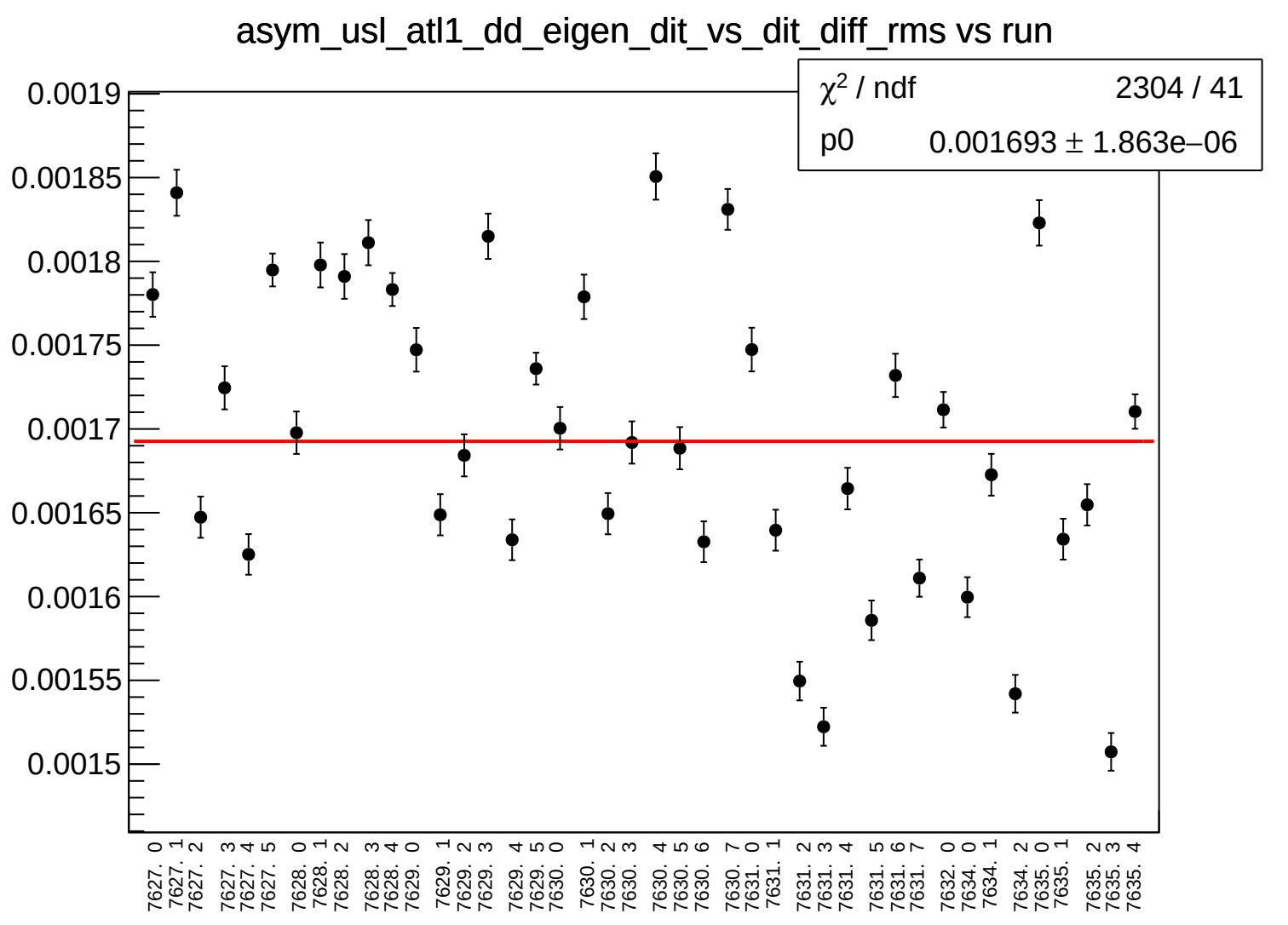

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.596e+04 / 41
p0 61.54 ± 0.07005
120
110
100
90
80
70
60
50
40
30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

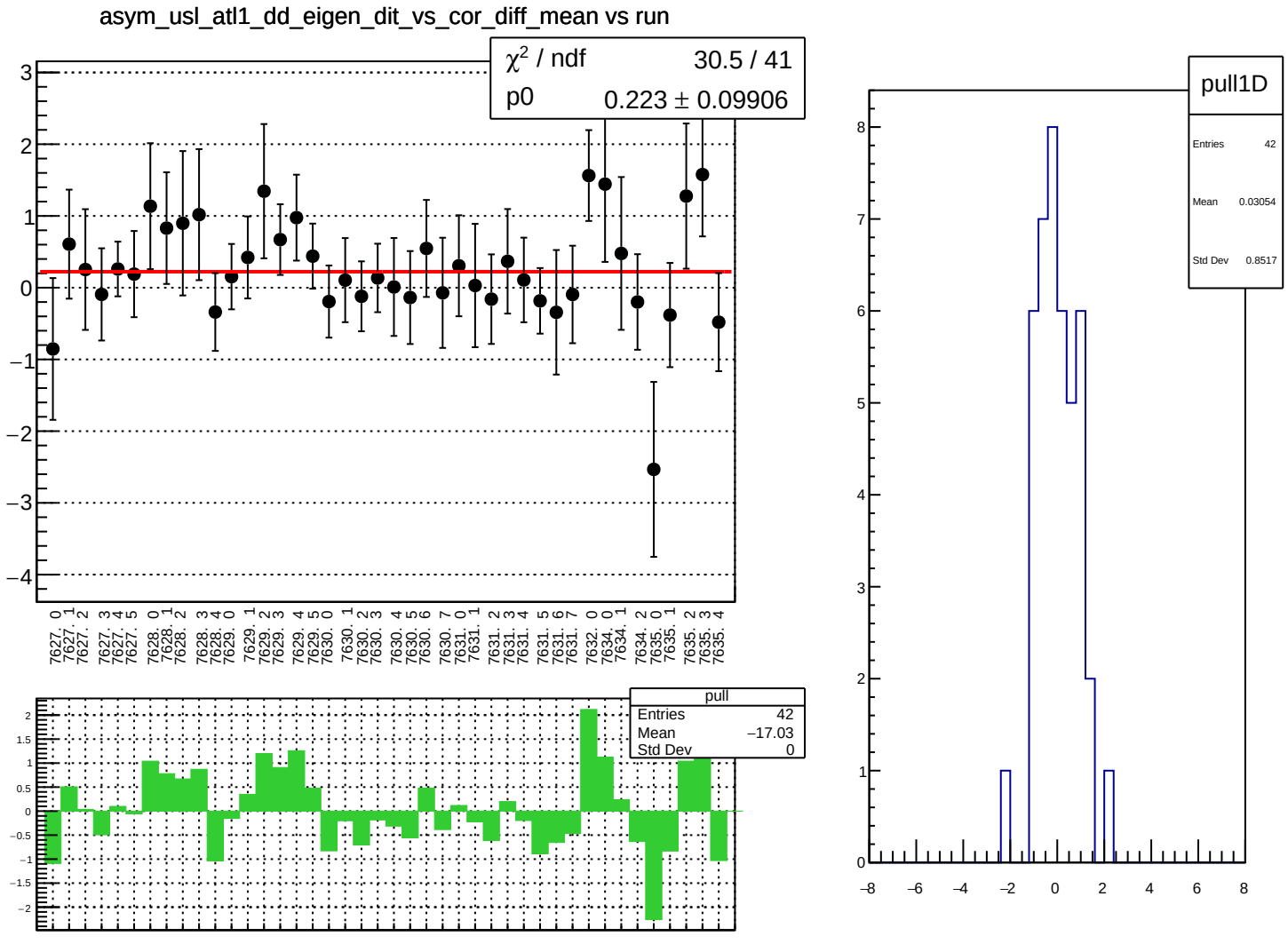

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.5 / 41
p0 0.223 ± 0.09906
pull
Entries 42
Mean −17.03
Std Dev 0

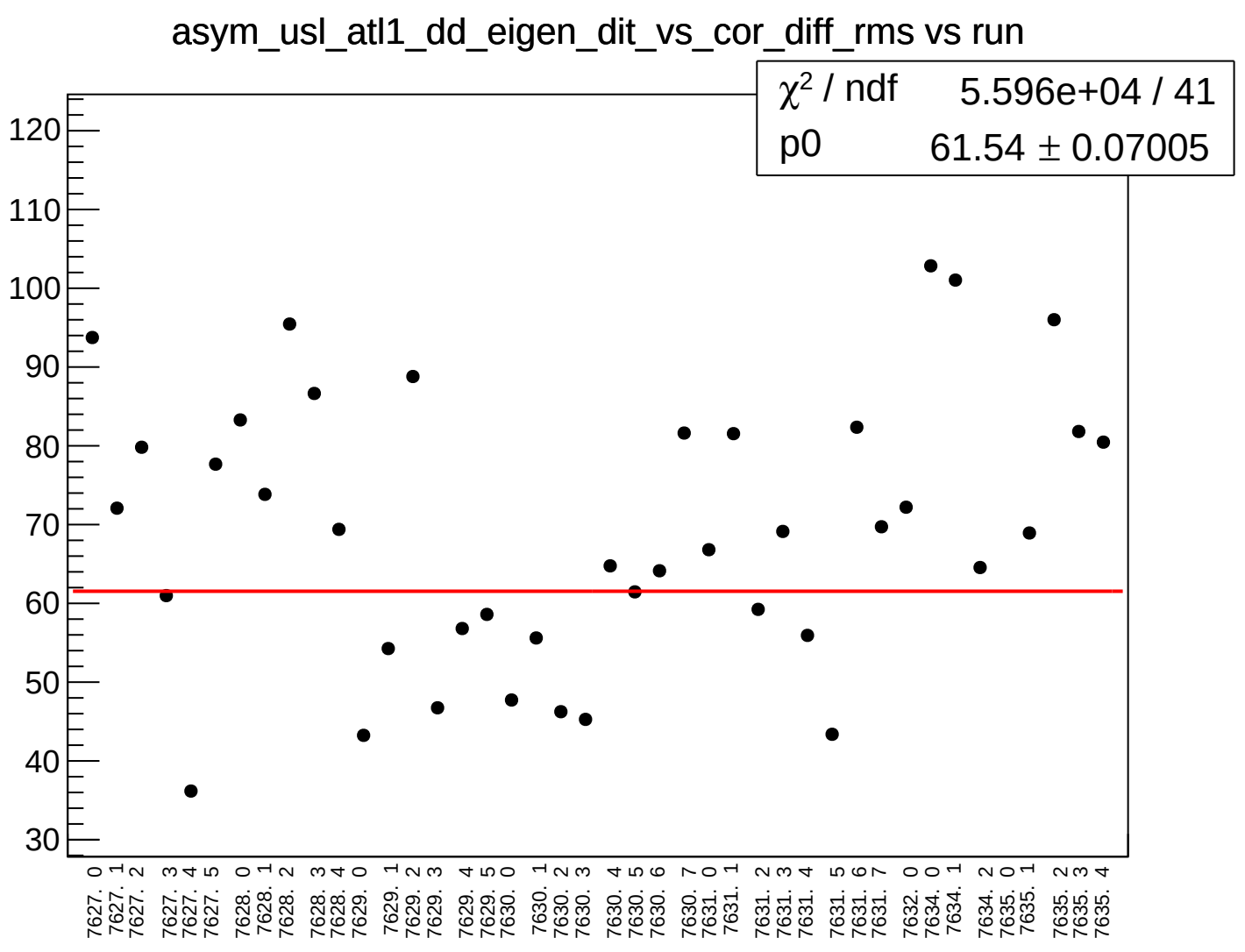

pull1D
Entries 42
Mean 0.03054
Std Dev 0.8517

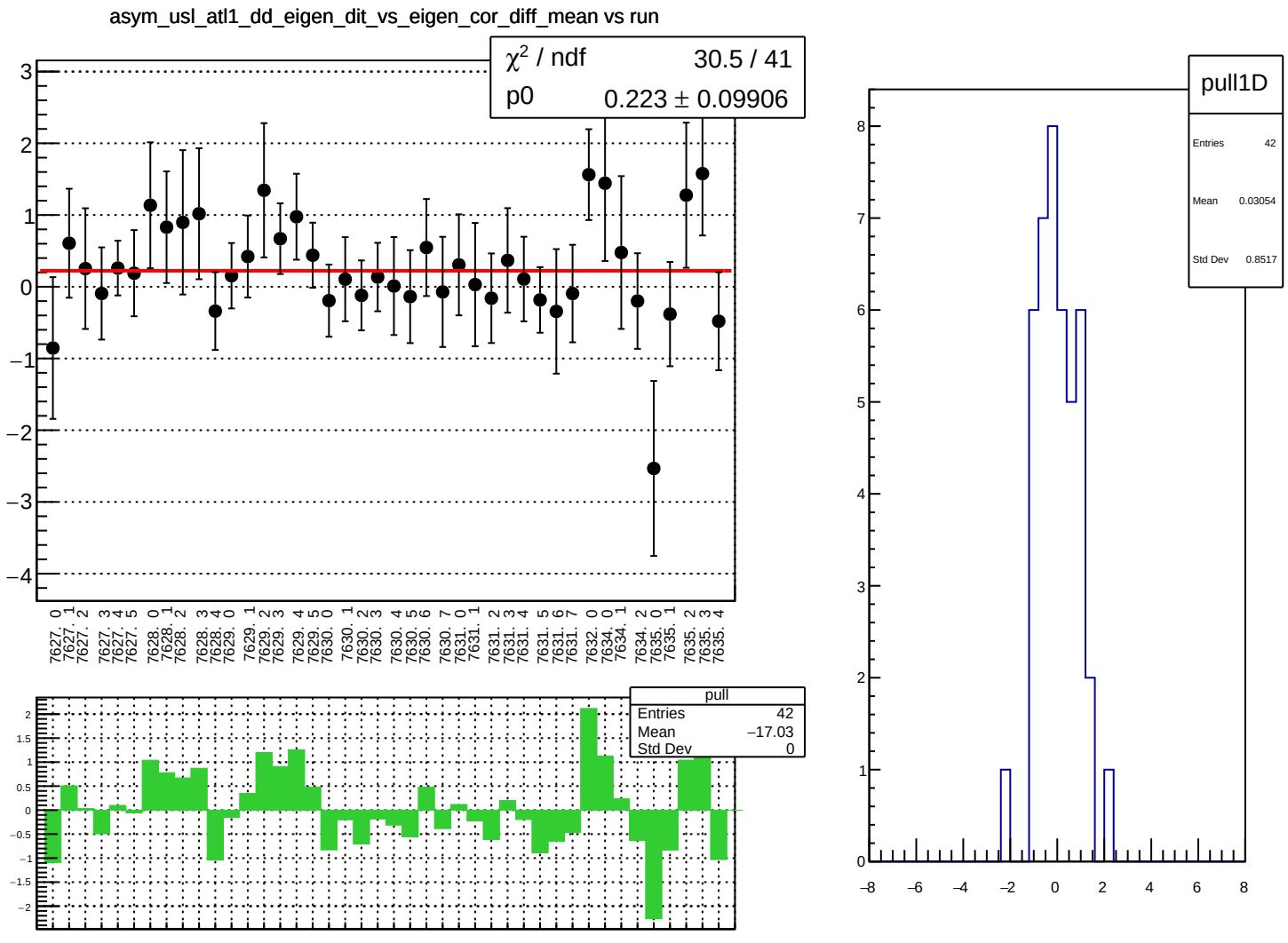

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.596e+04 / 41
p0 61.54 ± 0.07005
120
110
100
90
80
70
60
50
40
30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

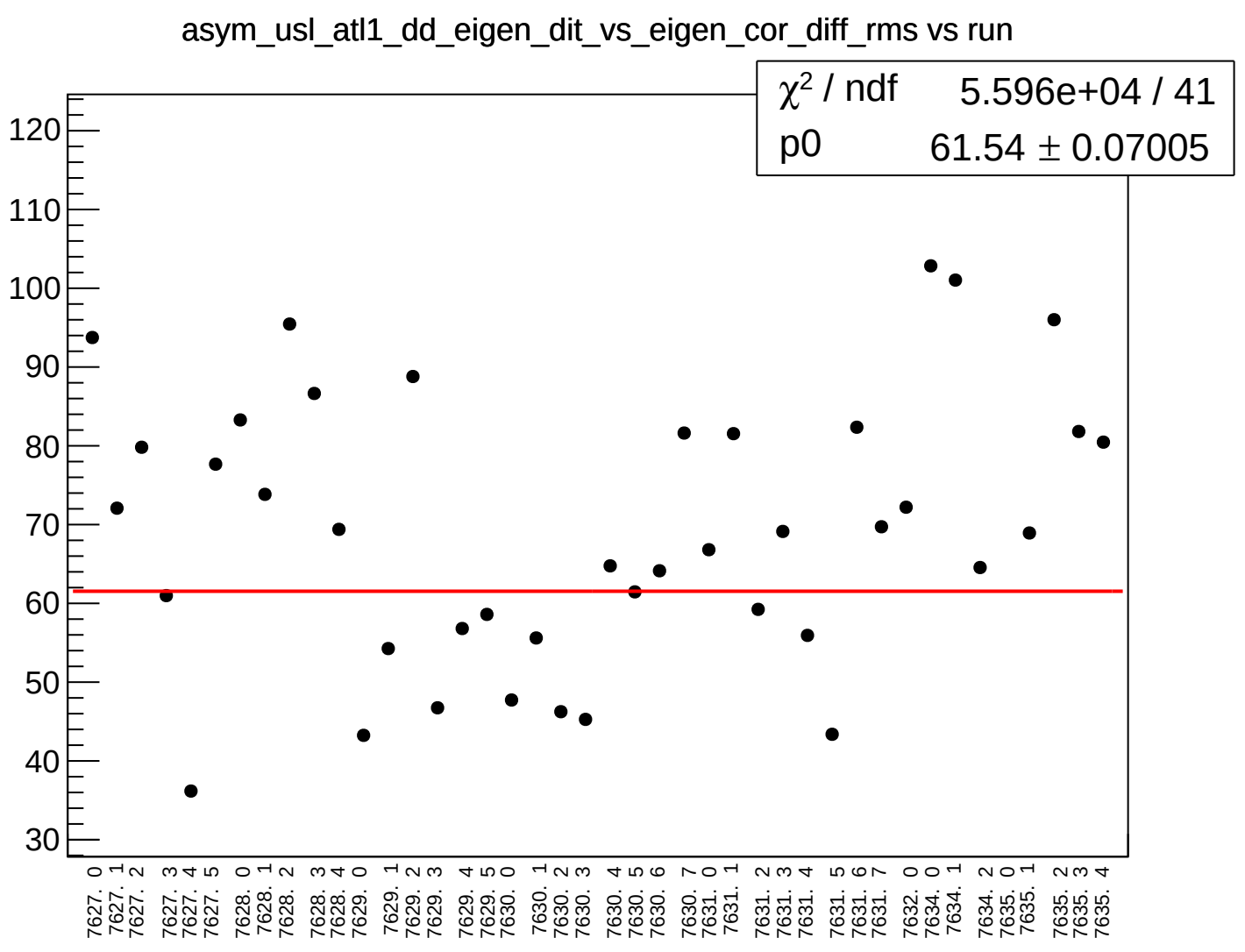

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.11 / 41
p0 4.934e−06 ± 2.635e−06
0.06
0.04
0.02
0
−0.02
−0.04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −37.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.001476
Std Dev 0.8325
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

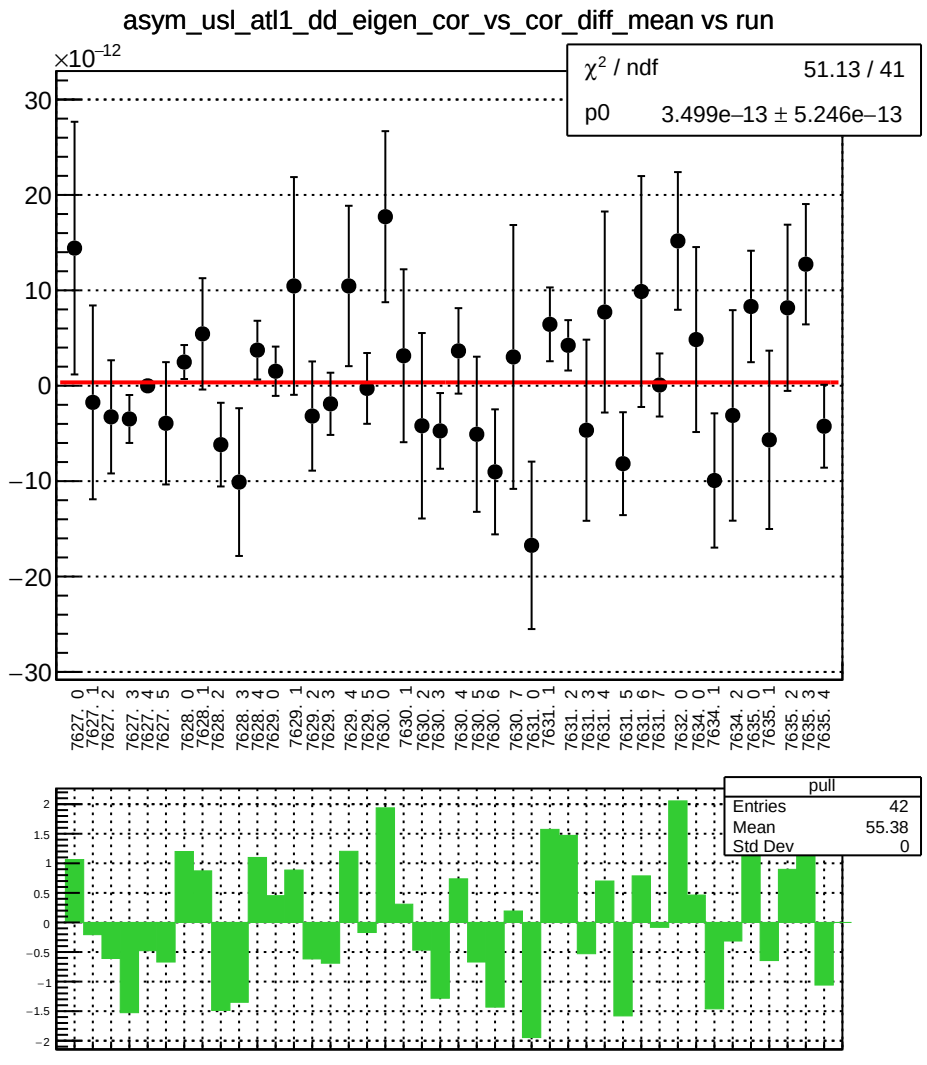

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2304 / 41
p0 0.001693 ± 1.863e−06
0.0019
0.00185
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

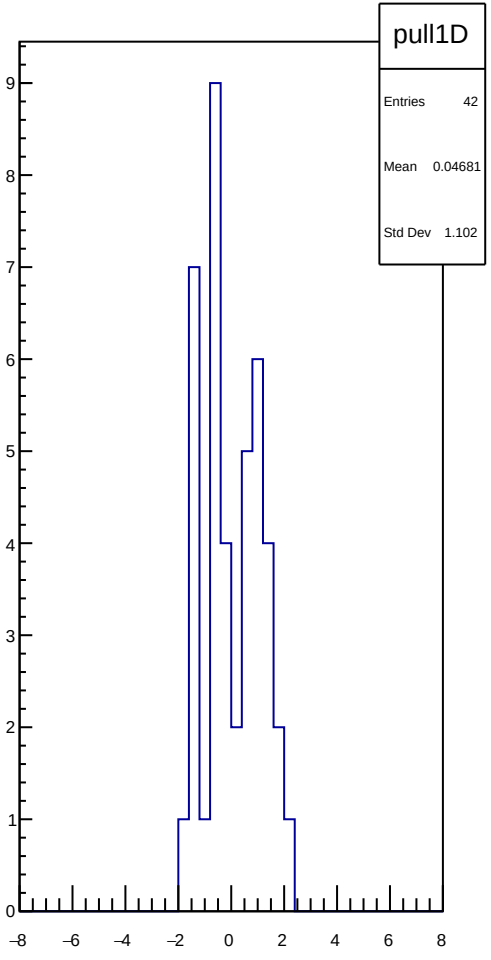

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.5 / 41
p0 0.223 ± 0.09906
pull
Entries 42
Mean −17.03
Std Dev 0
pull1D
Entries 42
Mean 0.03054
Std Dev 0.8517

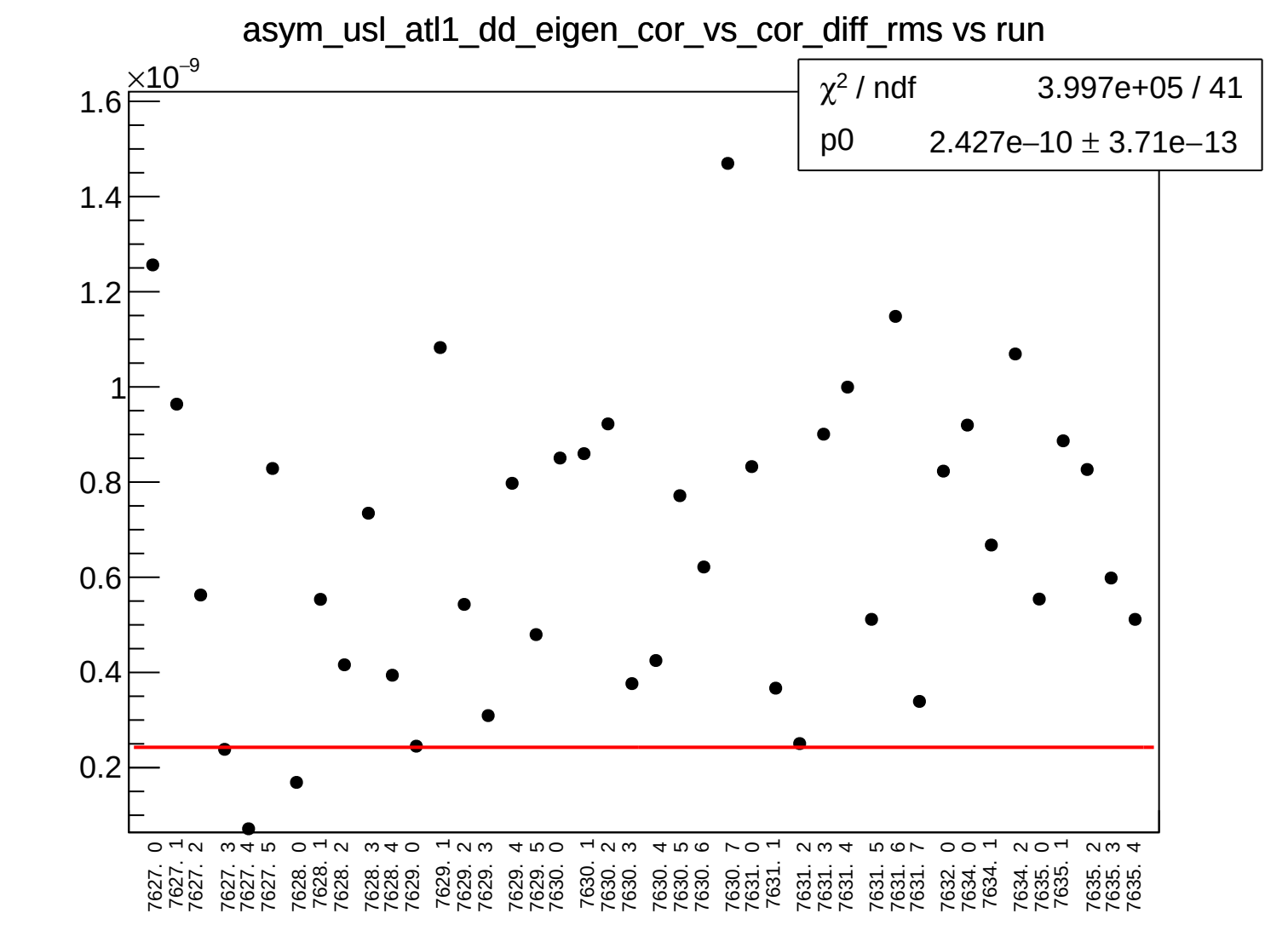

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.596e+04 / 41
p0 61.54 ± 0.07005
120
110
100
90
80
70
60
50
40
30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

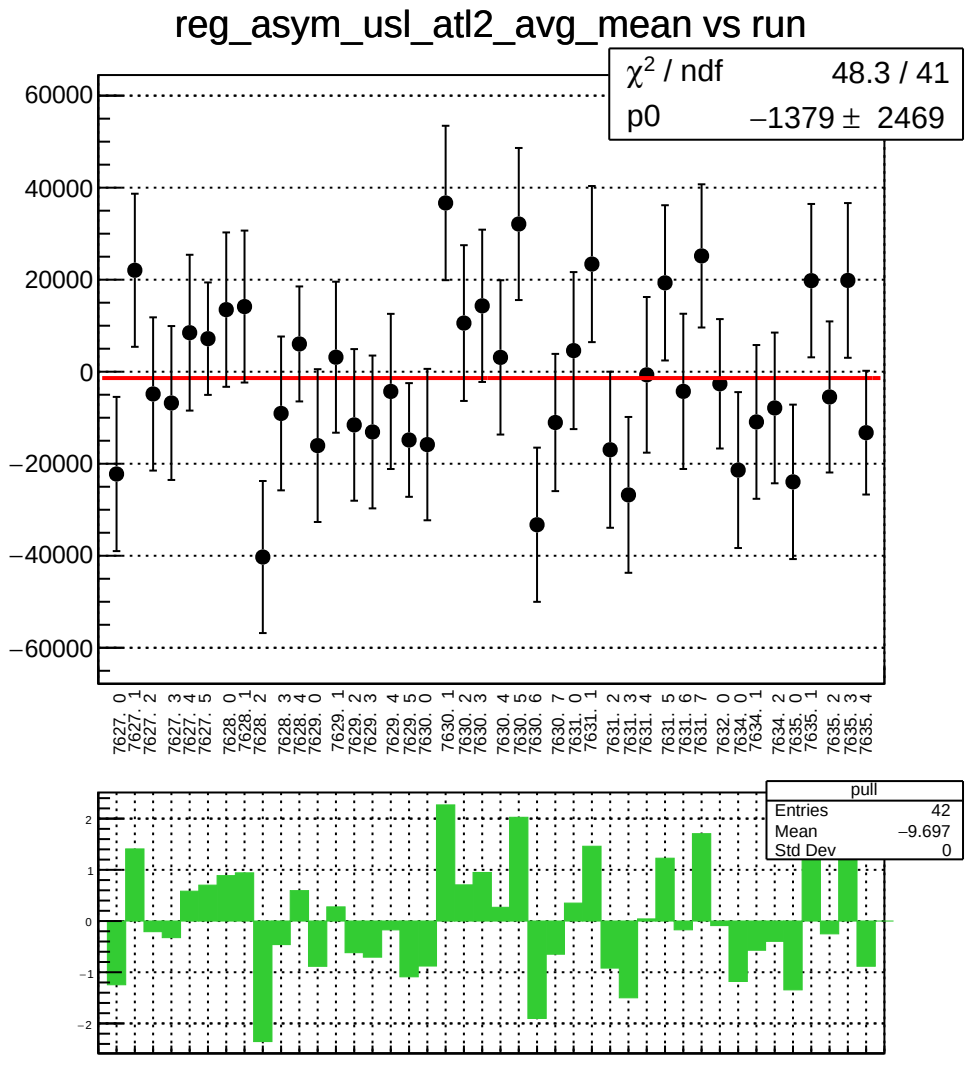

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.5 / 41
p0 0.223 ± 0.09906
pull
Entries 42
Mean −17.03
Std Dev 0
pull1D
Entries 42
Mean 0.03054
Std Dev 0.8517

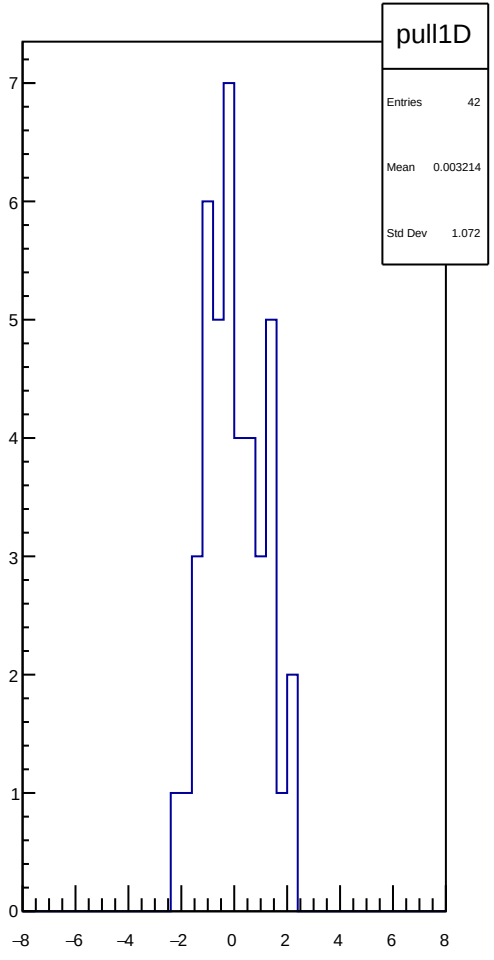

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.596e+04 / 41
p0 61.54 ± 0.07005
120
110
100
90
80
70
60
50
40
30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

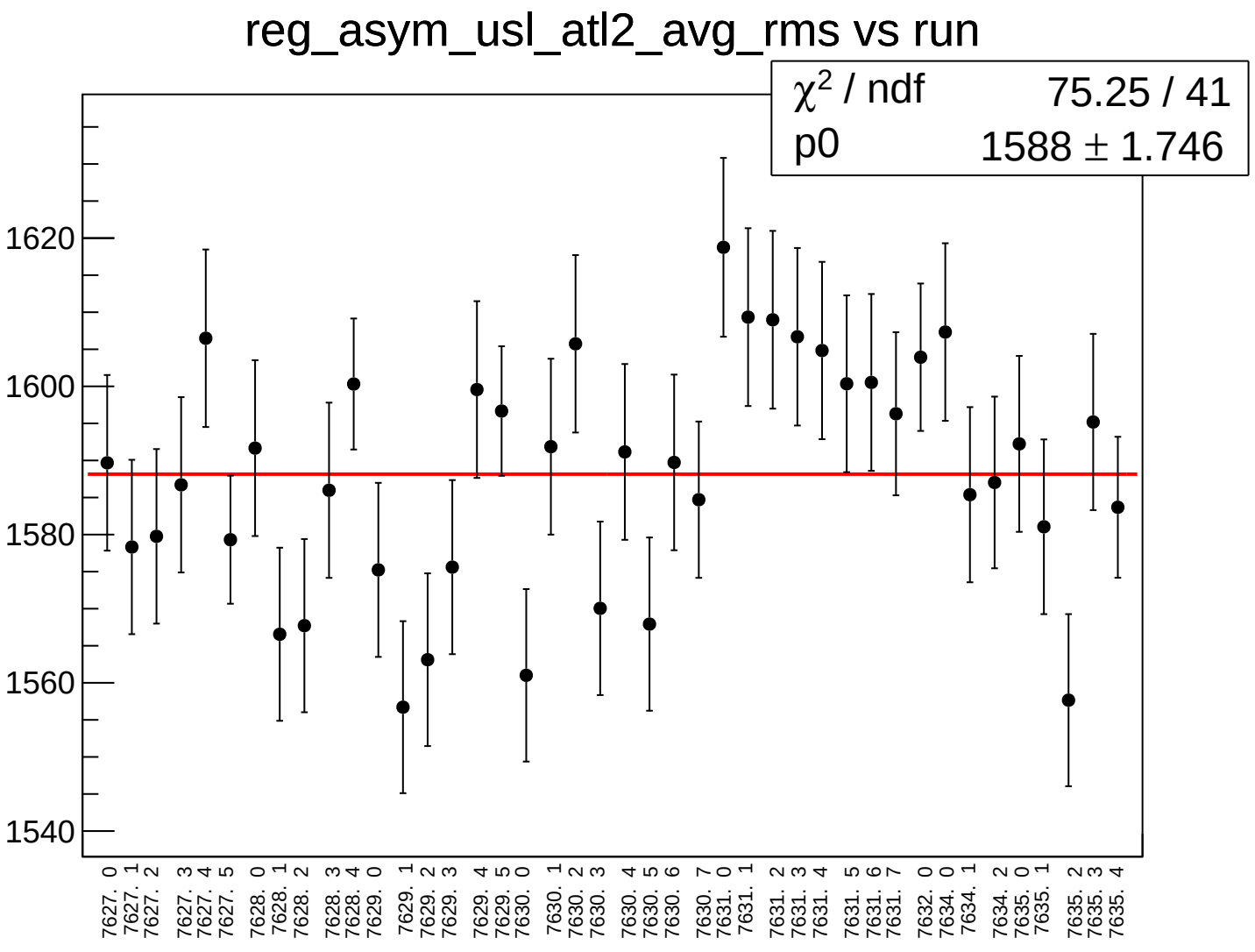

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.13 / 41
p0 3.499e−13 ± 5.246e−13
30
20
10
0
−10
−20
−30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 55.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

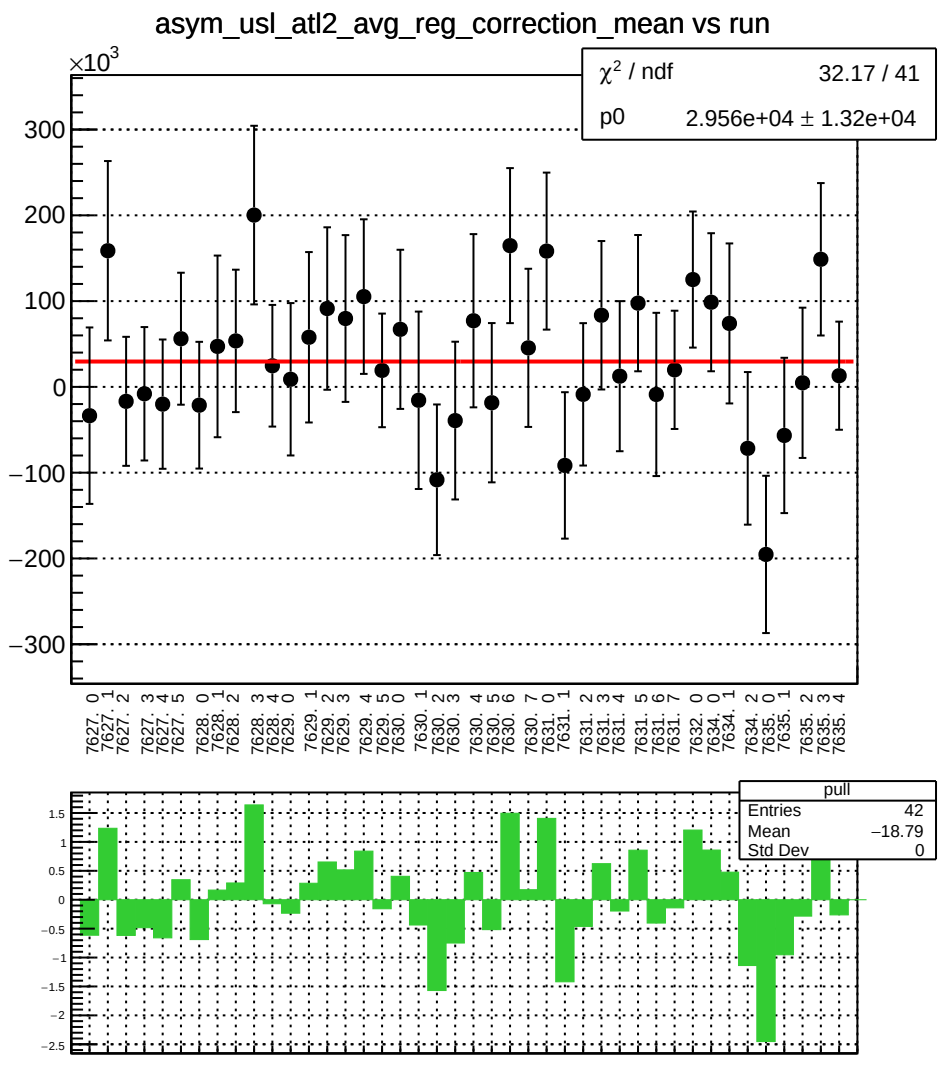

pull1D
Entries 42
Mean 0.04681
Std Dev 1.102
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

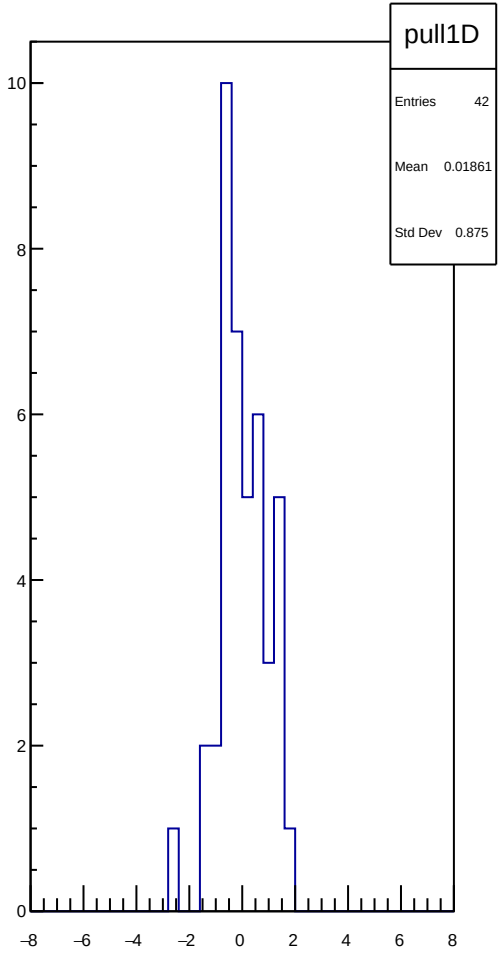

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.997e+05 / 41
p0 2.427e−10 ± 3.71e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

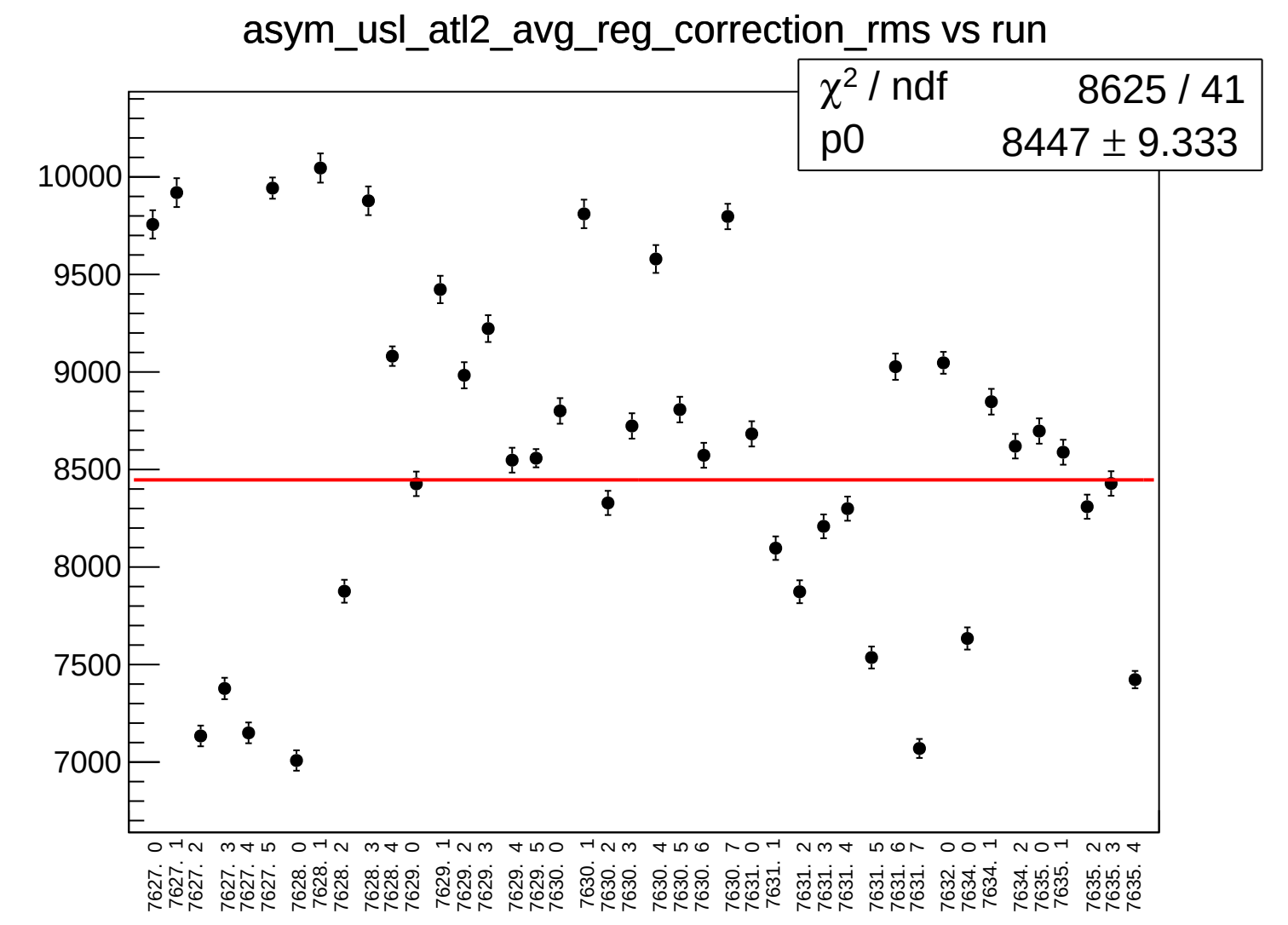

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 48.3 / 41
p0 −1379 ± 2469
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.697
Std Dev 0
2
1
0
−1
−2

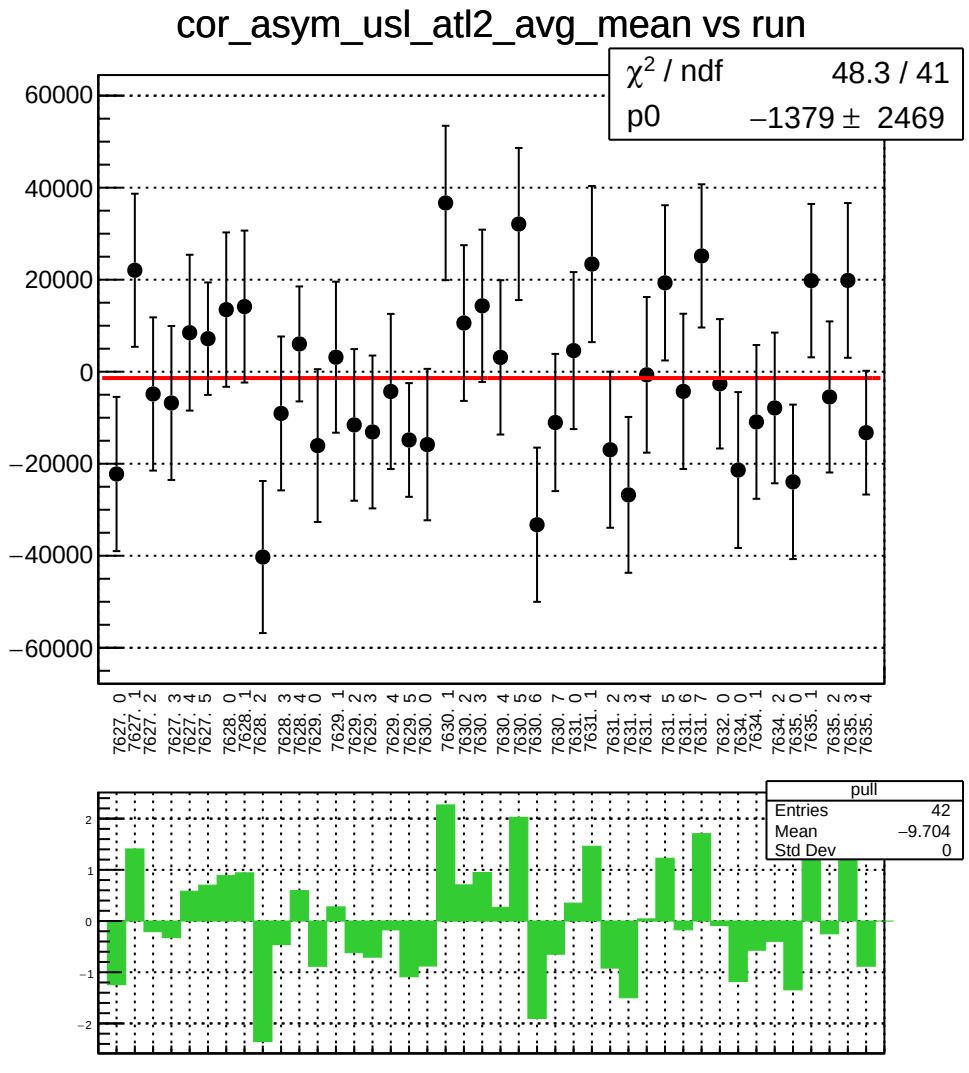

pull1D
Entries 42
Mean 0.003214
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

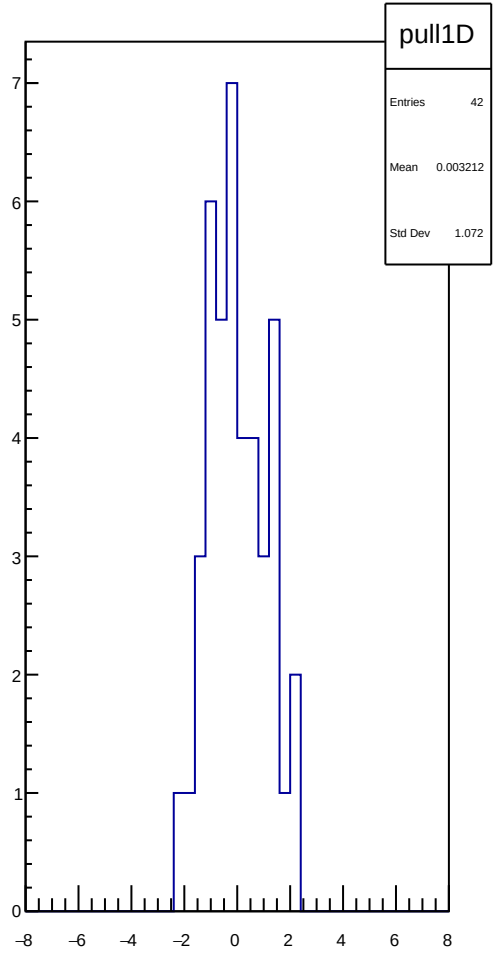

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 75.25 / 41
p0 1588 ± 1.746
1620
1600
1580
1560
1540
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

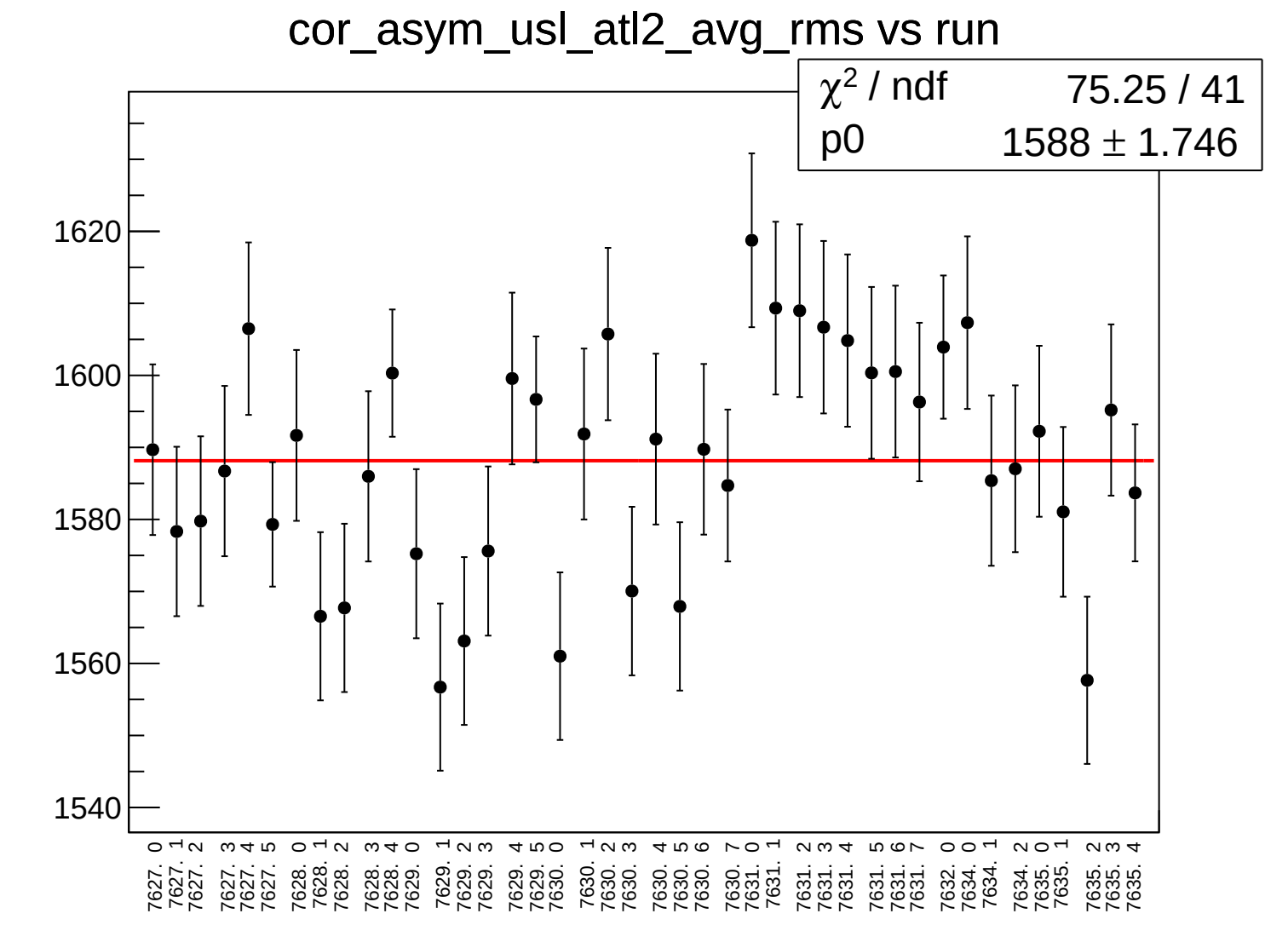

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 32.17 / 41
p0 2.956e+04 ± 1.32e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −18.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

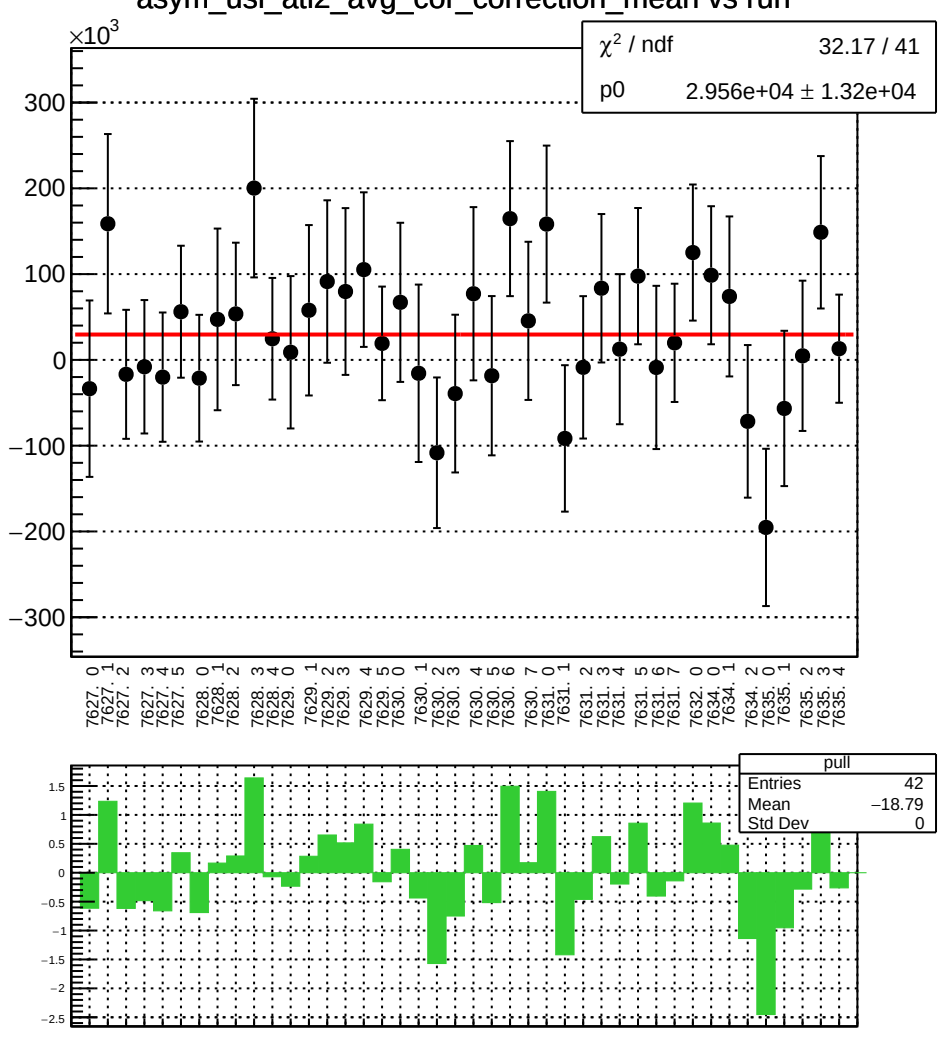

pull1D
Entries 42
Mean 0.01861
Std Dev 0.875
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

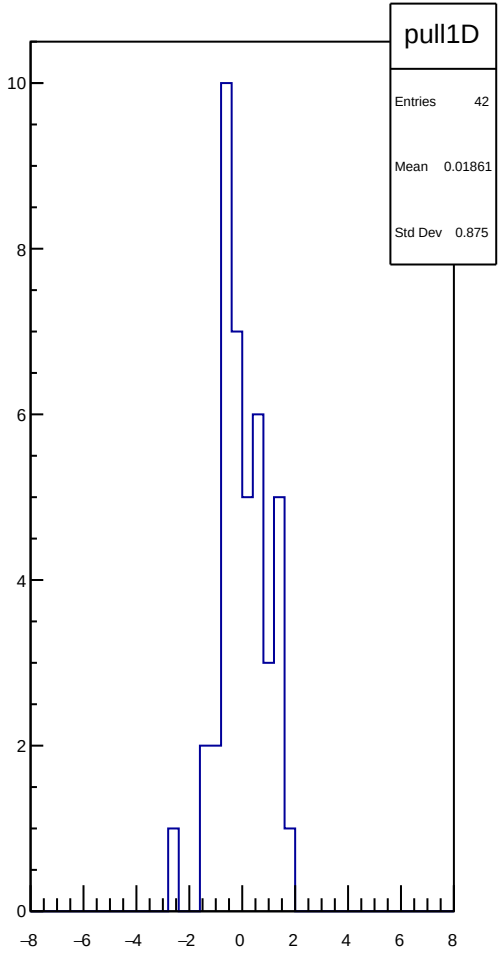

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 8625 / 41
p0 8447 ± 9.333
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

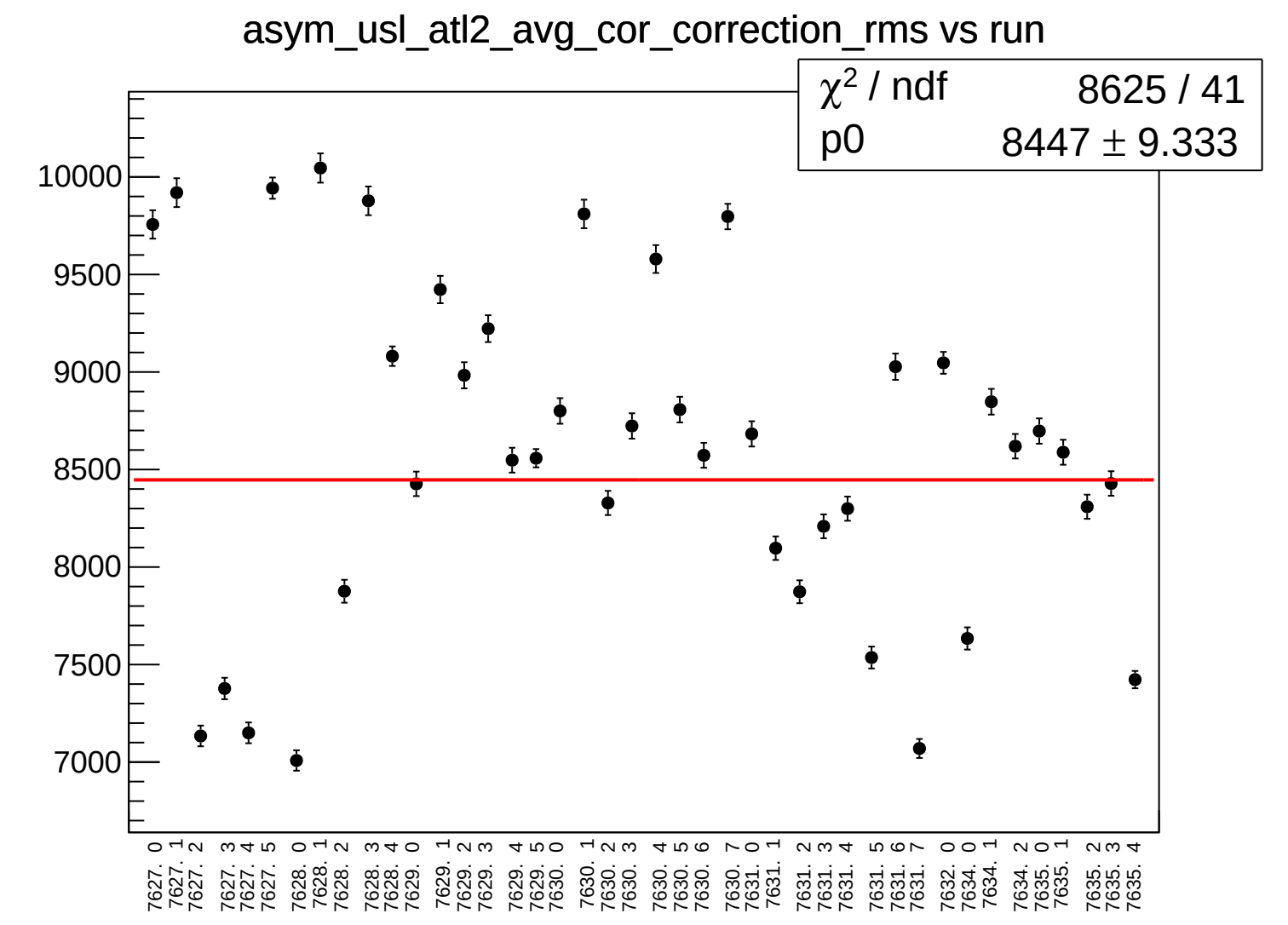

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 48.3 / 41
p0 −1379 ± 2469
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.704
Std Dev 0
2
1
0
−1
−2

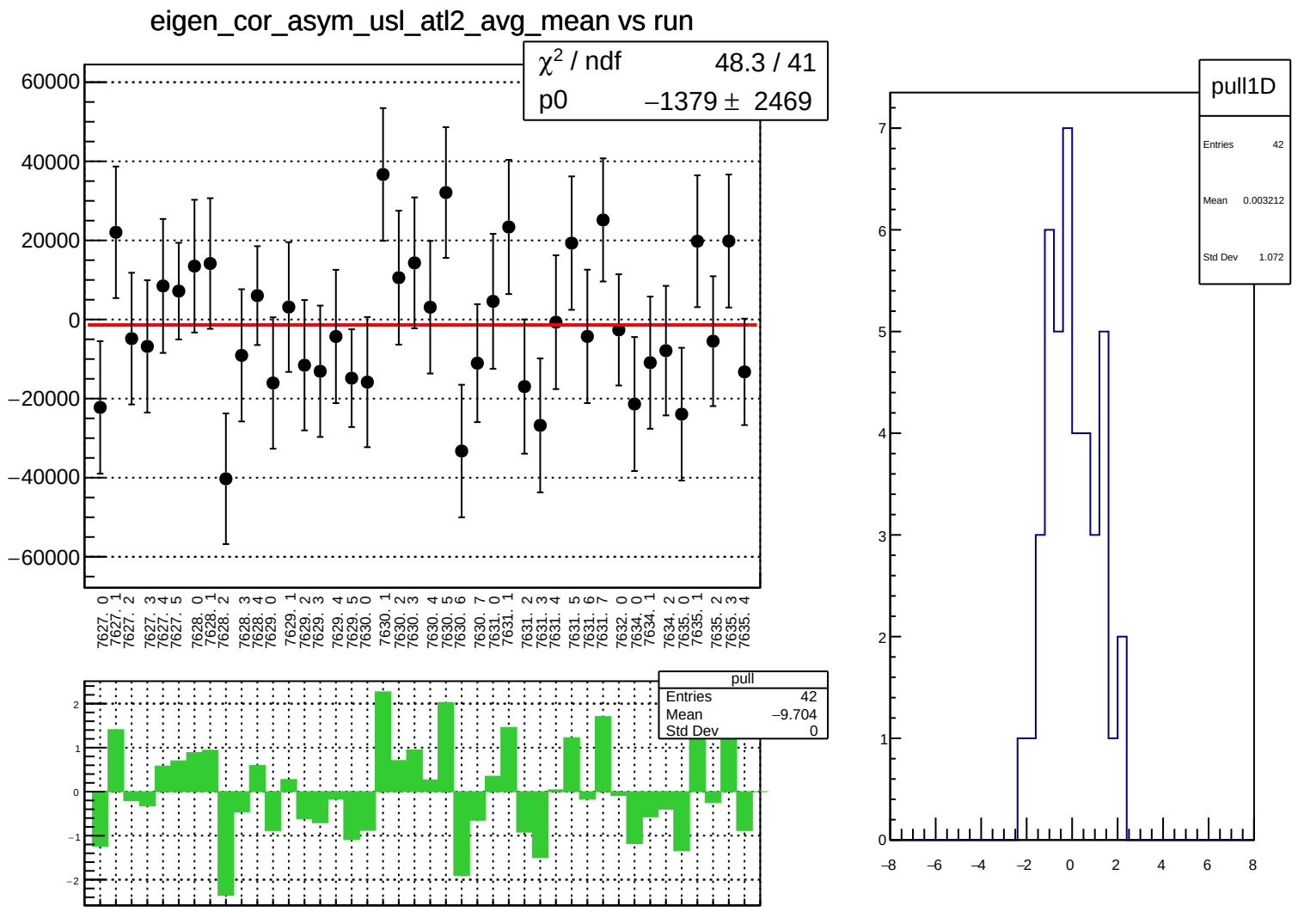

pull1D
Entries 42
Mean 0.003212
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

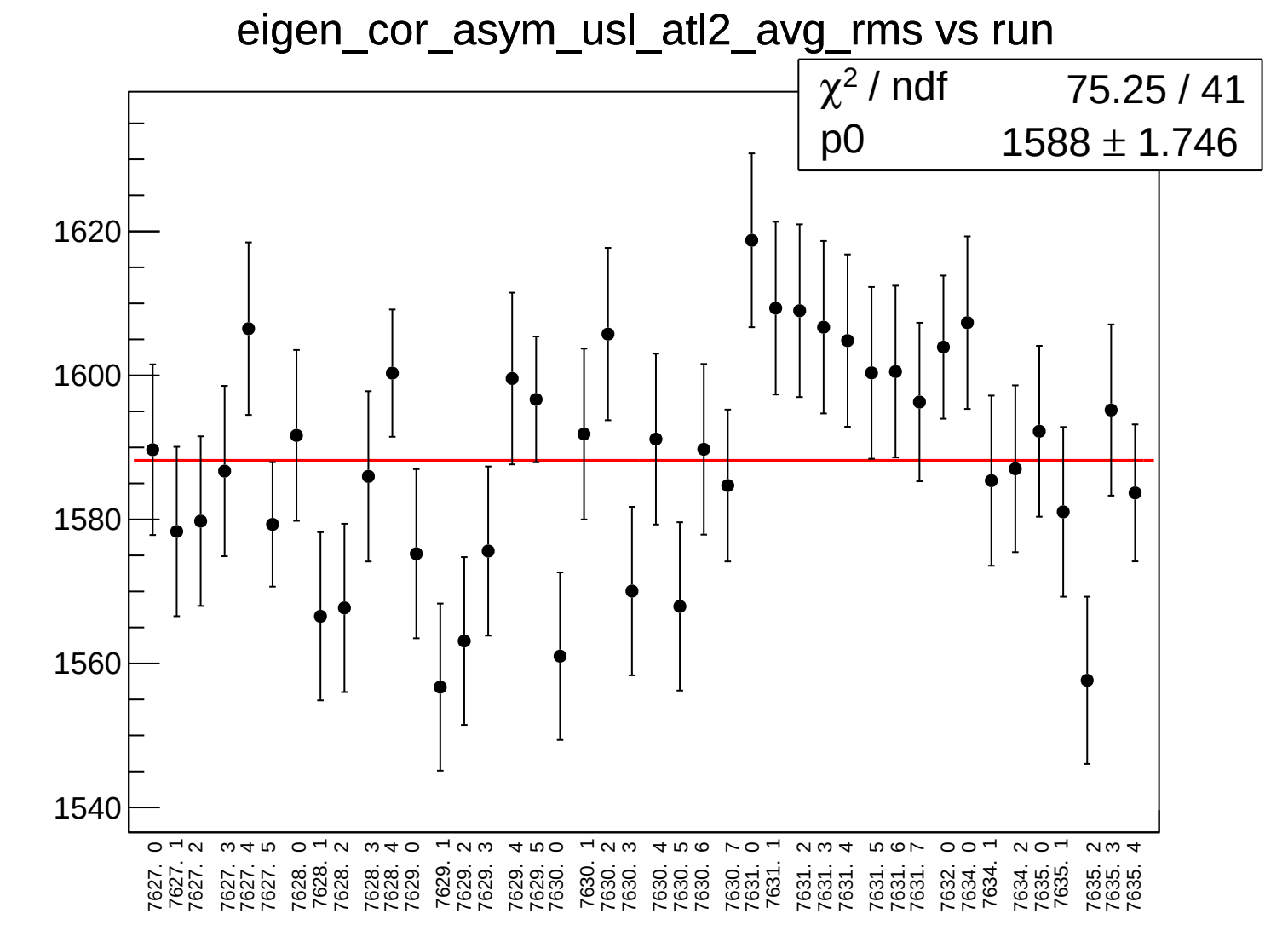

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 75.25 / 41
p0 1588 ± 1.746
1620
1600
1580
1560
1540
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

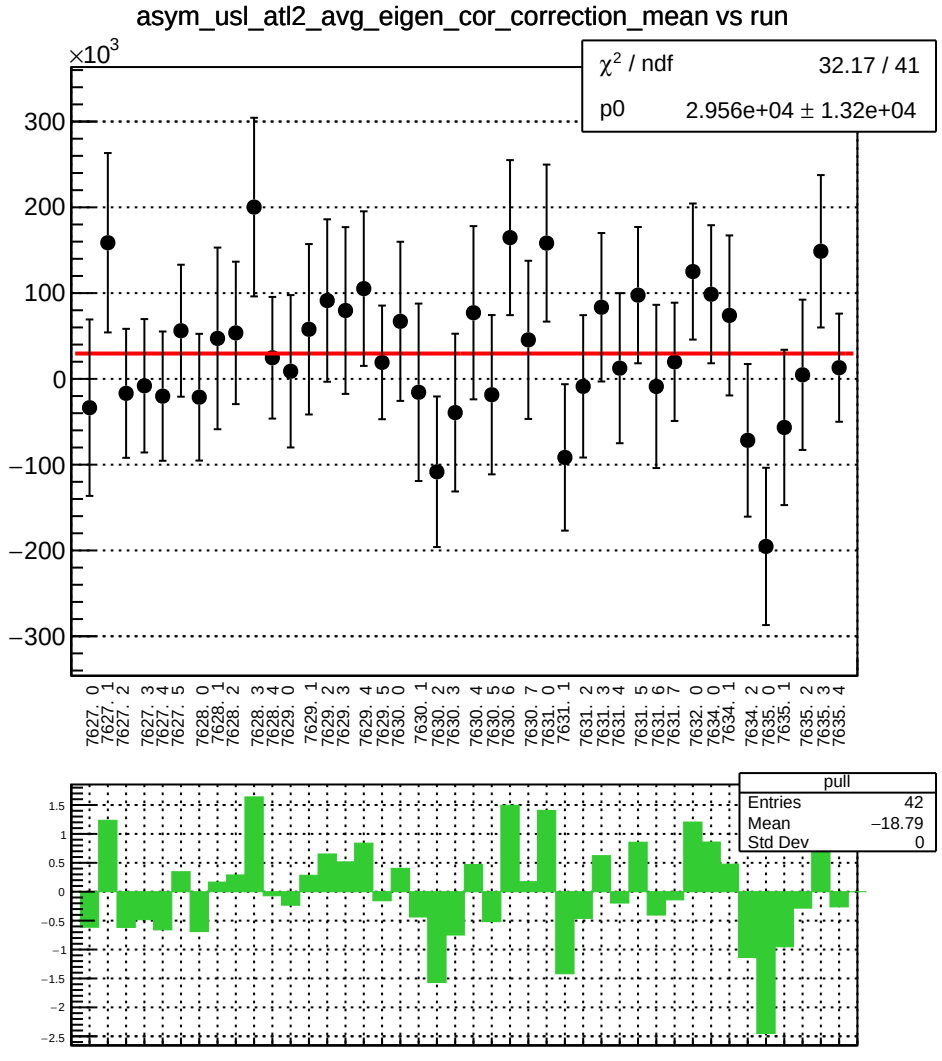

asym_usl_atl2_avg_cor_correction_mean vs run
χ² / ndf 32.17 / 41
p0 2.956e+04 ± 1.32e+04
×10³
pull
Entries 42
Mean −18.79
Std Dev 0

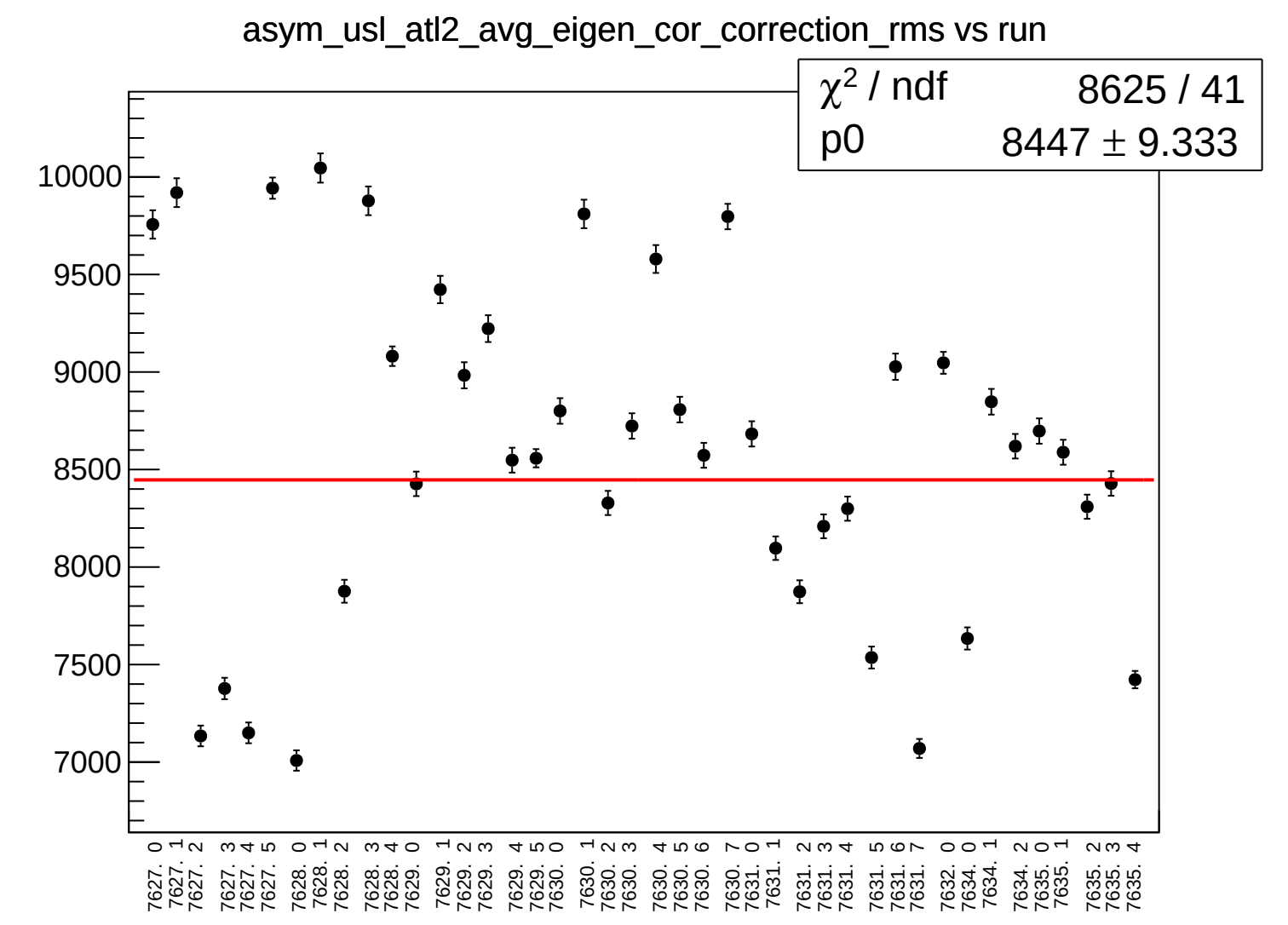

pull1D
Entries 42
Mean 0.01861
Std Dev 0.875

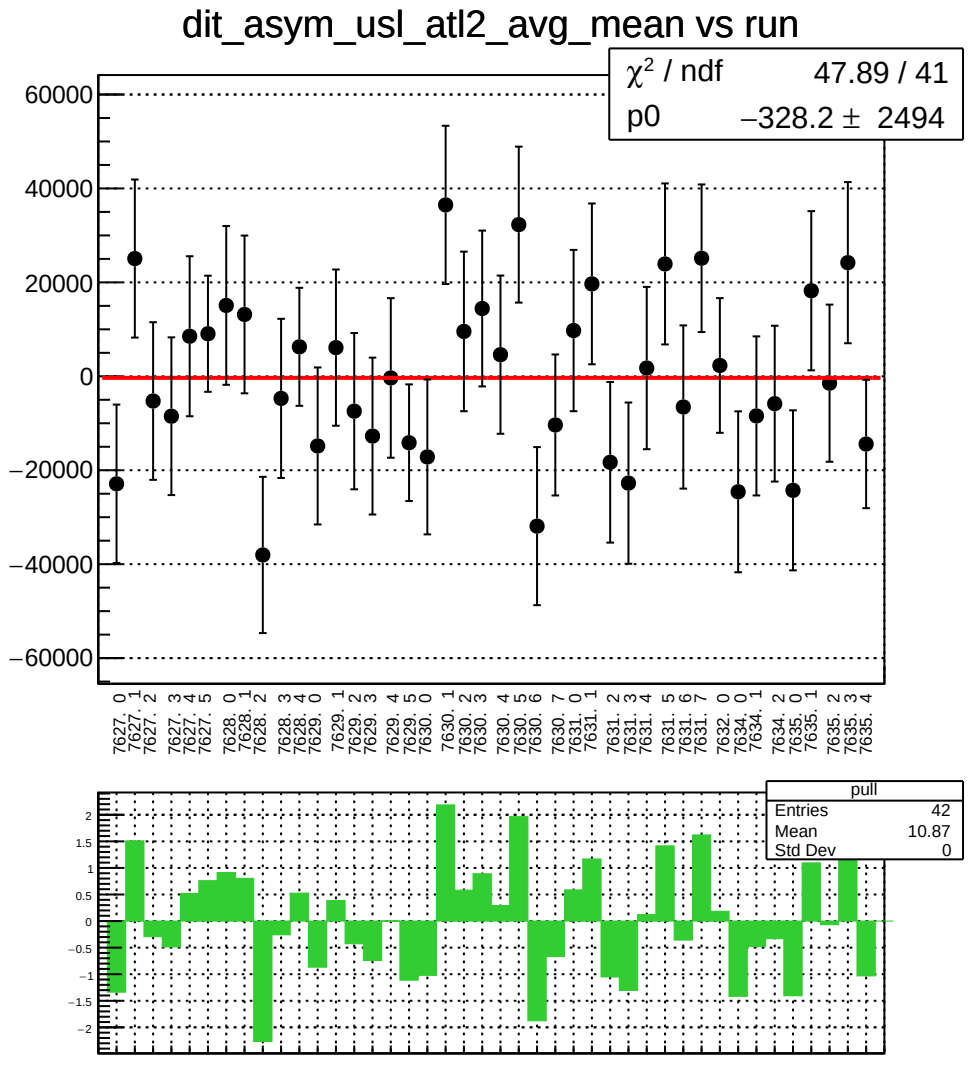

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 8625 / 41
p0 8447 ± 9.333
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

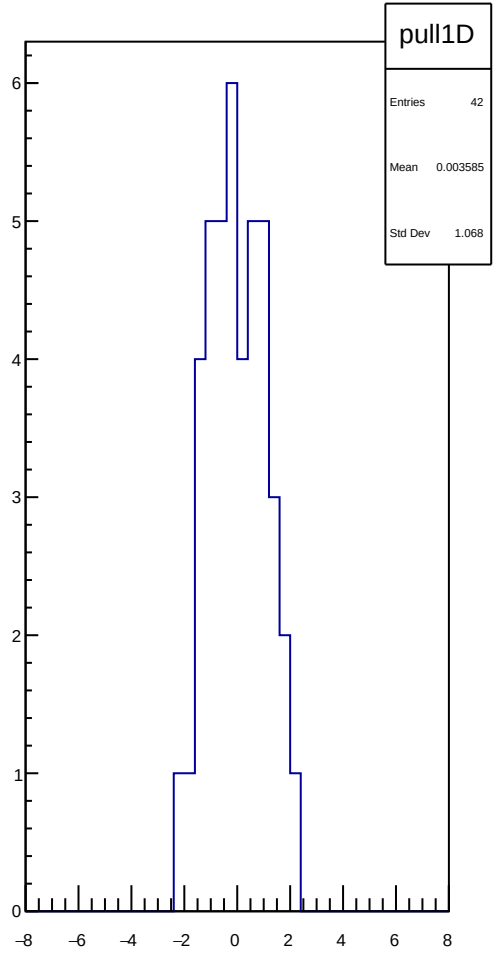

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 48.3 / 41
p0 −1379 ± 2469
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.704
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.003212
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

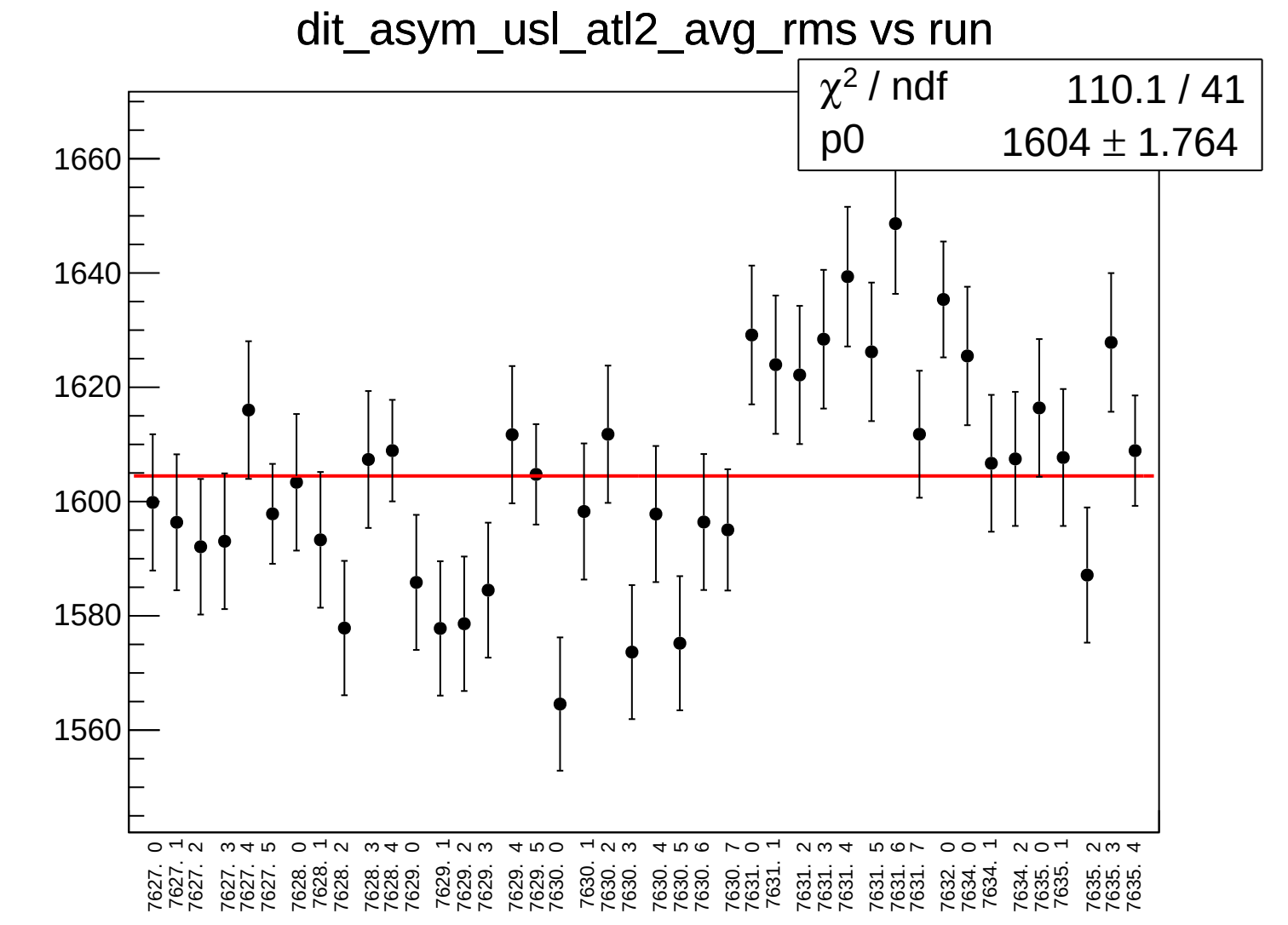

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 75.25 / 41
p0 1588 ± 1.746
1620
1600
1580
1560
1540
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

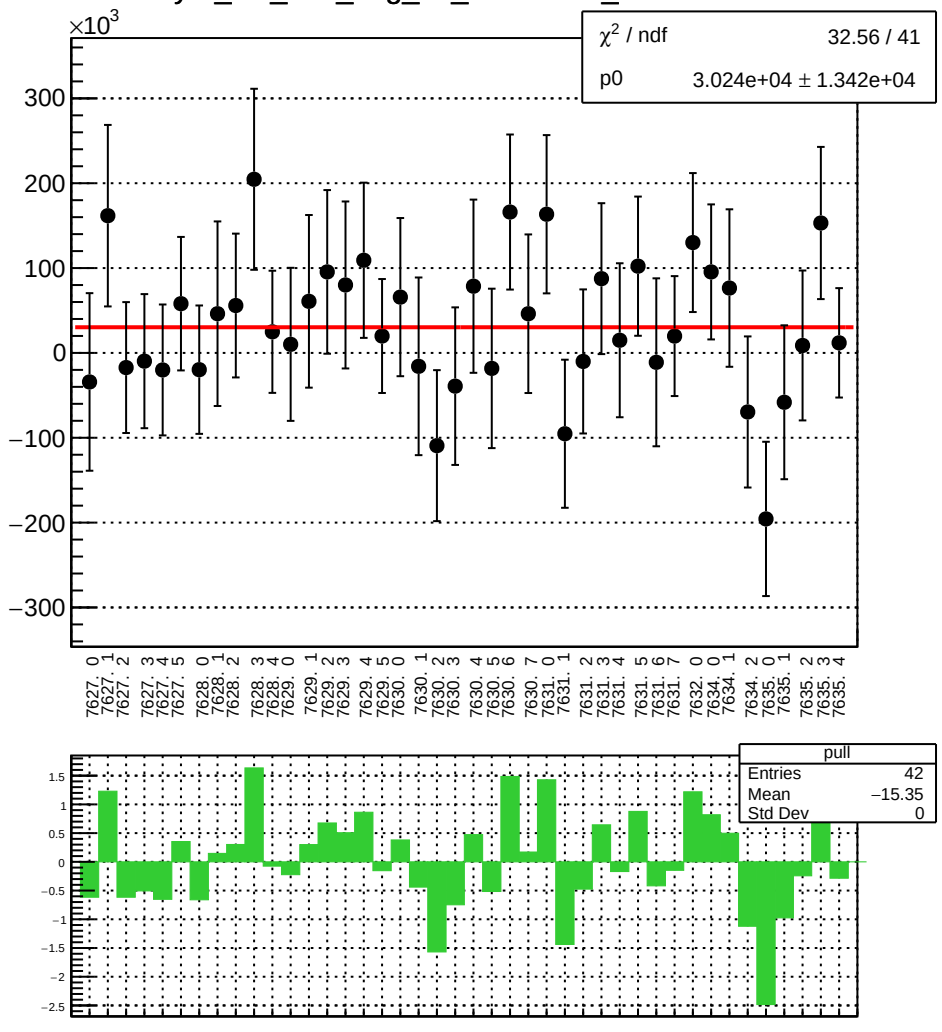

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.17 / 41
p0 2.956e+04 ± 1.32e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −18.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.01861
Std Dev 0.875
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

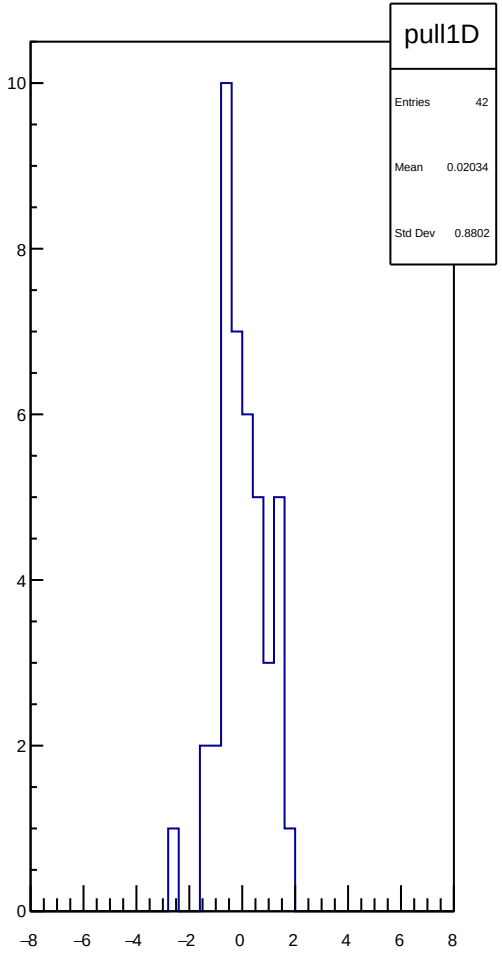

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8625 / 41
p0 8447 ± 9.333
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

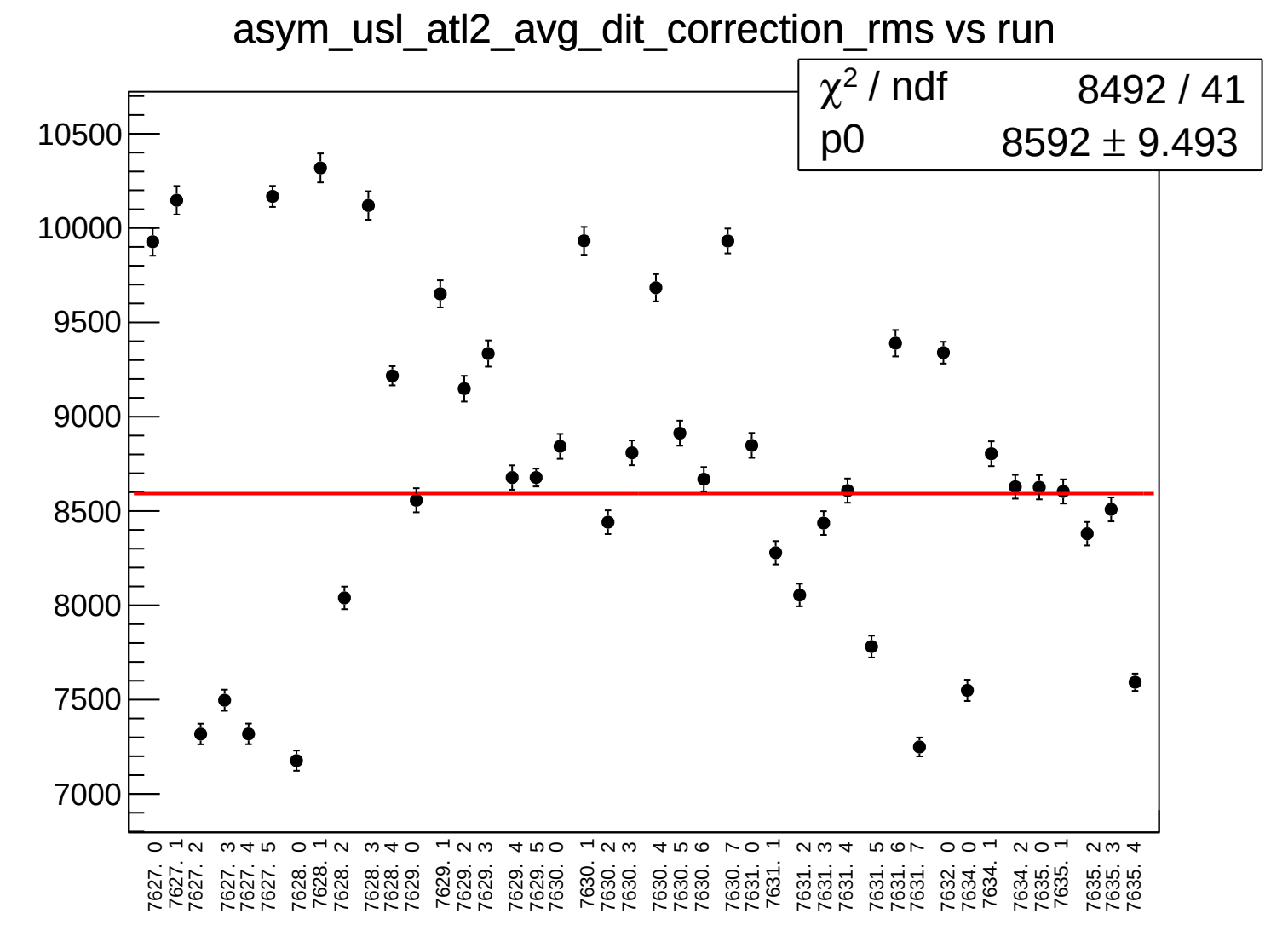

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.89 / 41
p0 −328.2 ± 2494
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 10.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

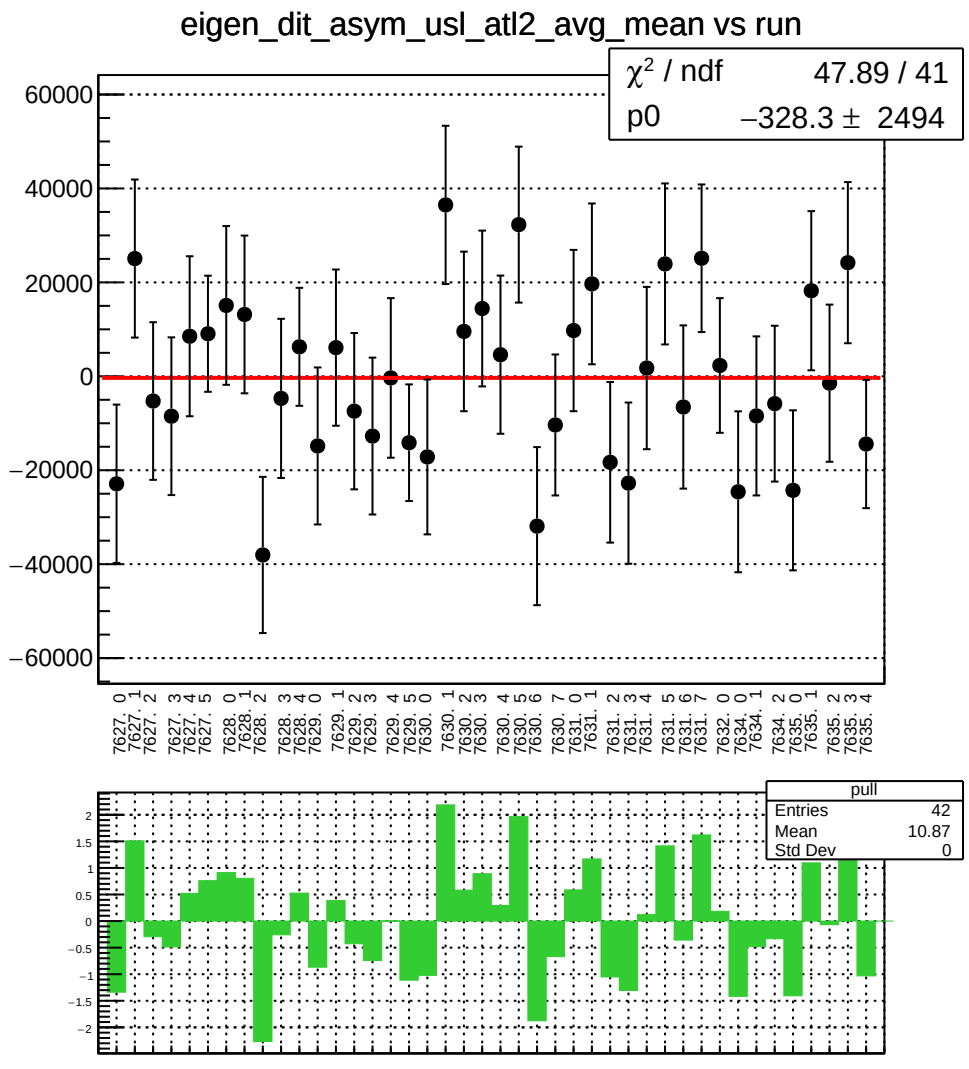

pull1D
Entries 42
Mean 0.003585
Std Dev 1.068
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

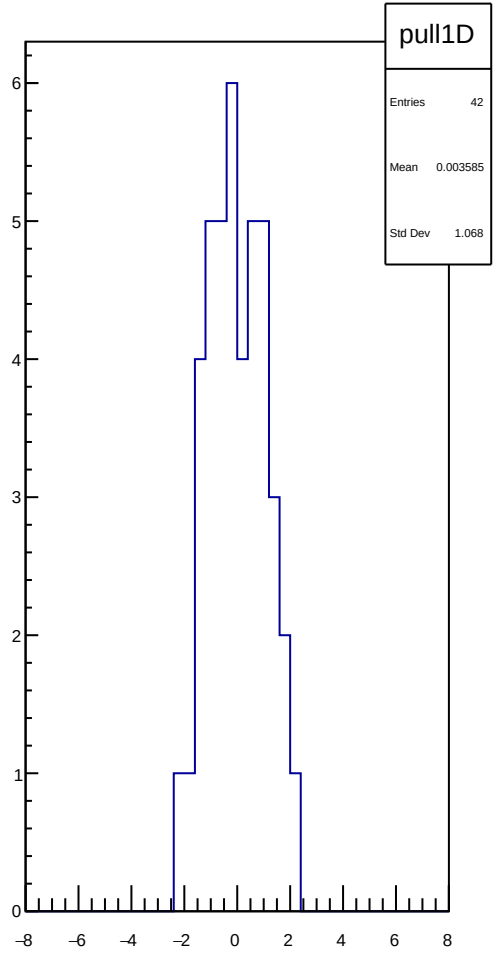

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 110.1 / 41
p0 1604 ± 1.764
1660
1640
1620
1600
1580
1560
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

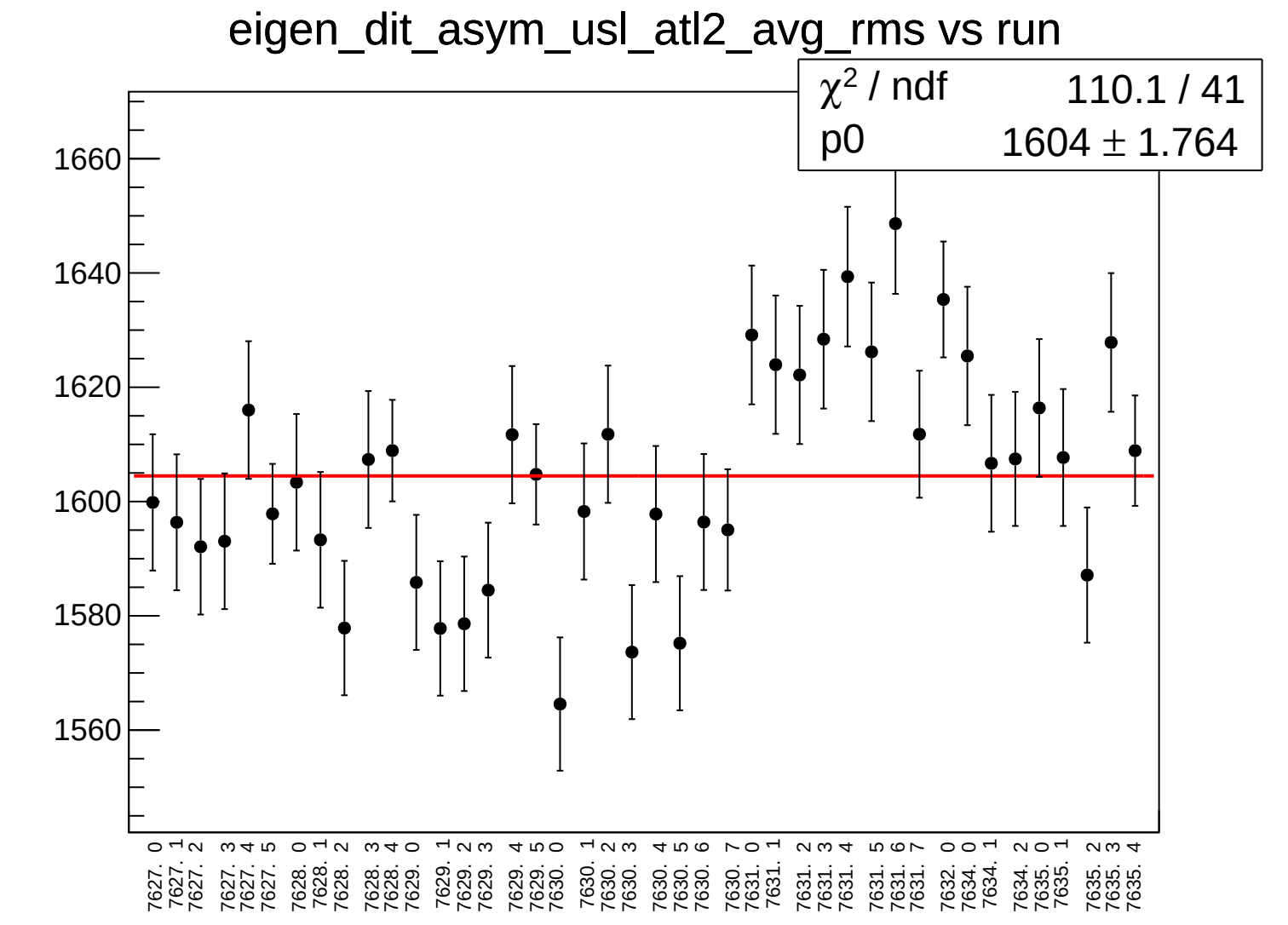

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.56 / 41
p0 3.024e+04 ± 1.342e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −15.35
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

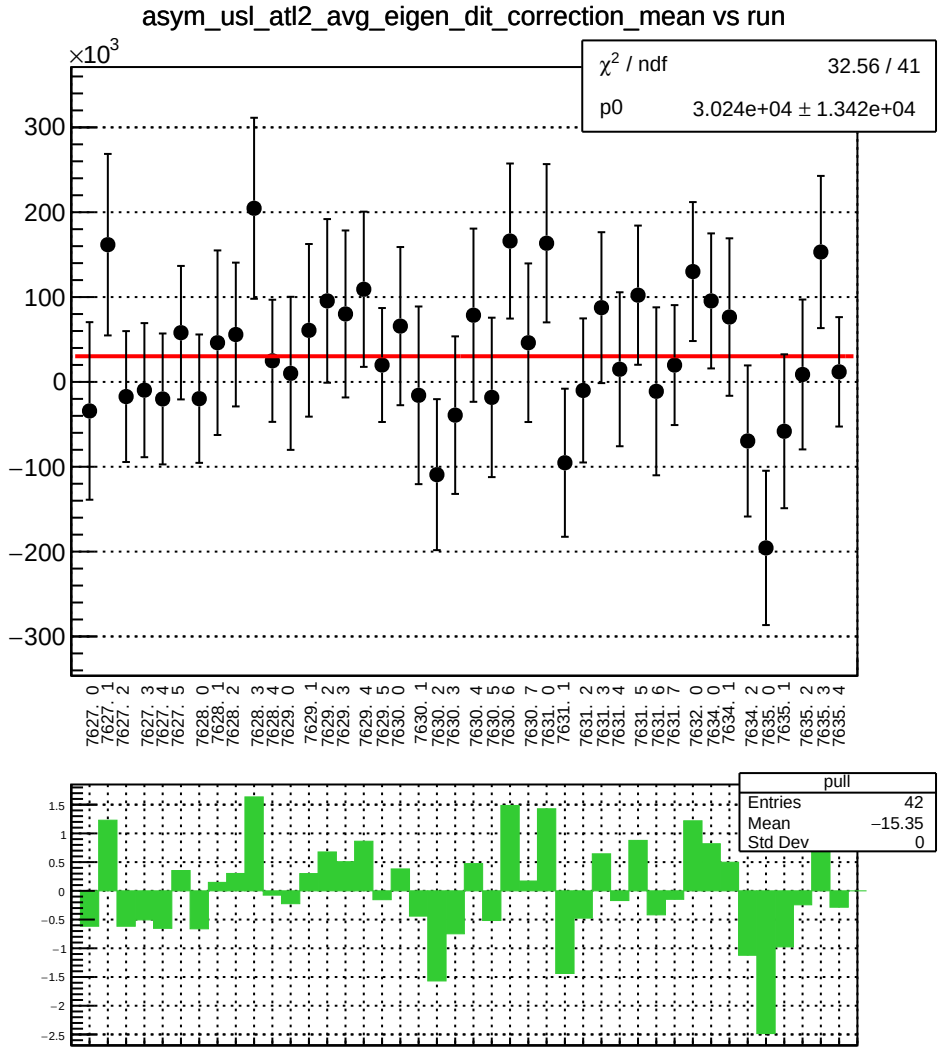

pull1D
Entries 42
Mean 0.02034
Std Dev 0.8802
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

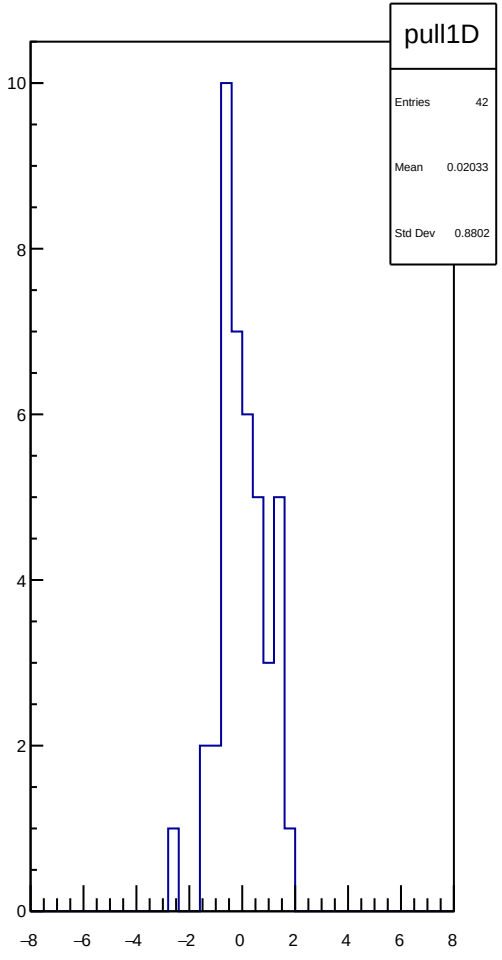

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 8492 / 41
p0 8592 ± 9.493
10500
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

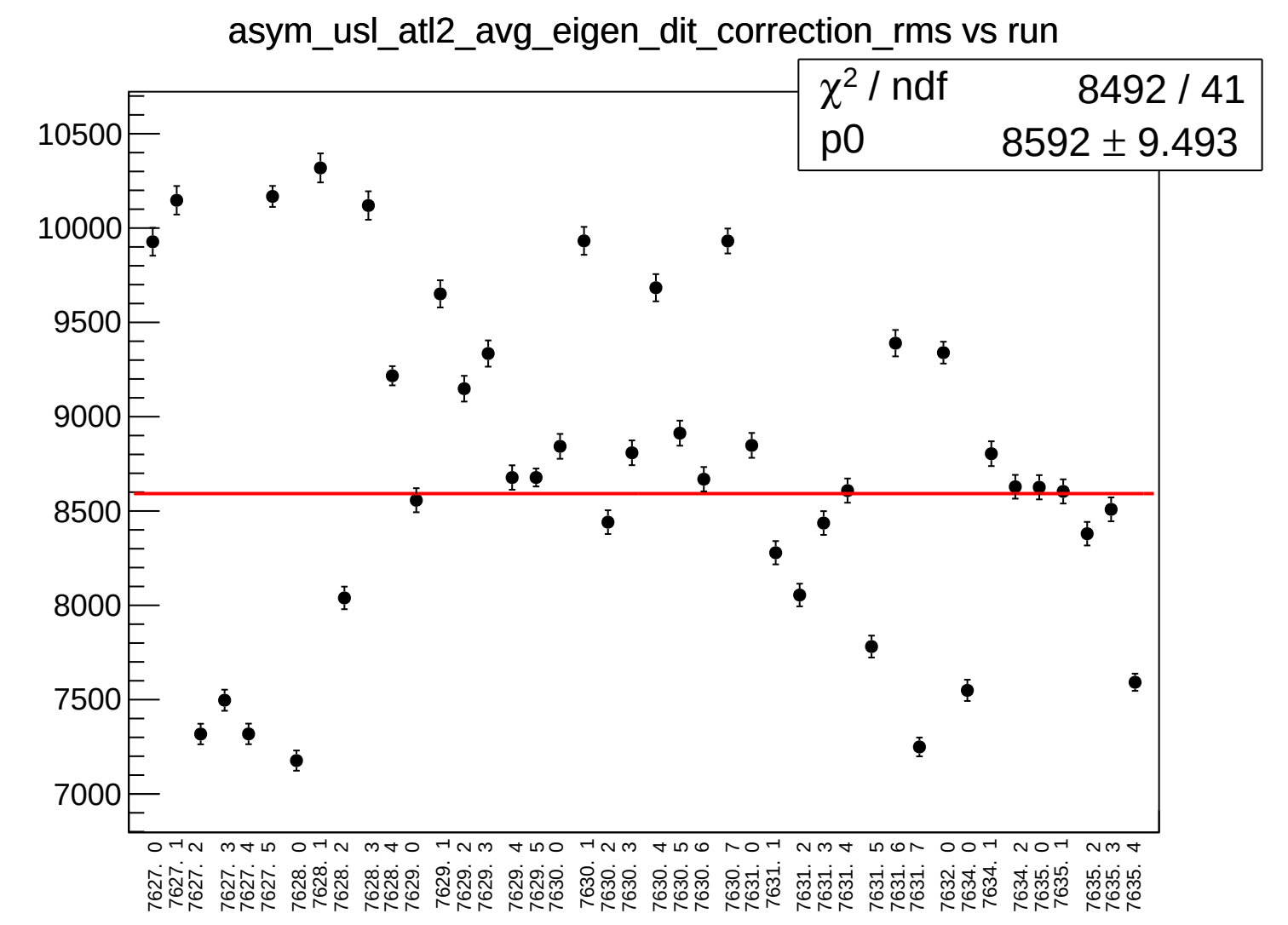

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.89 / 41
p0 −328.3 ± 2494
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 10.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

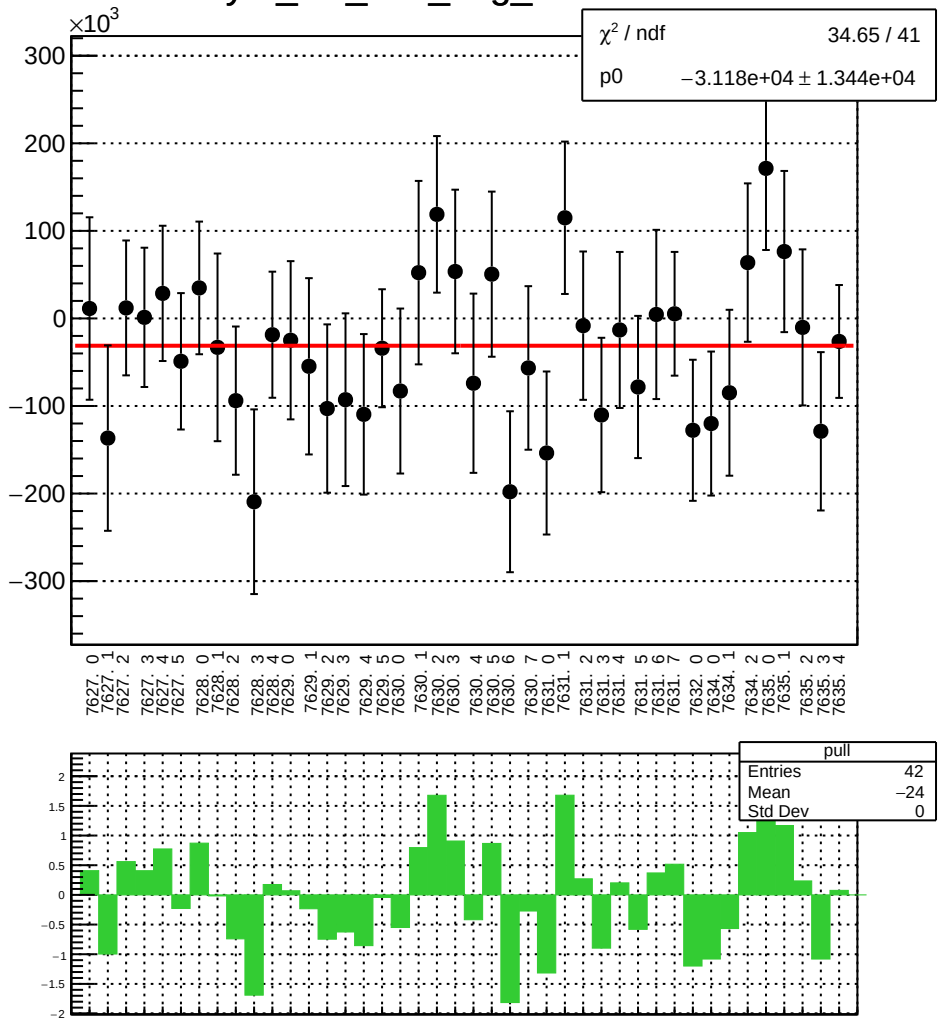

pull1D
Entries 42
Mean 0.003585
Std Dev 1.068
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

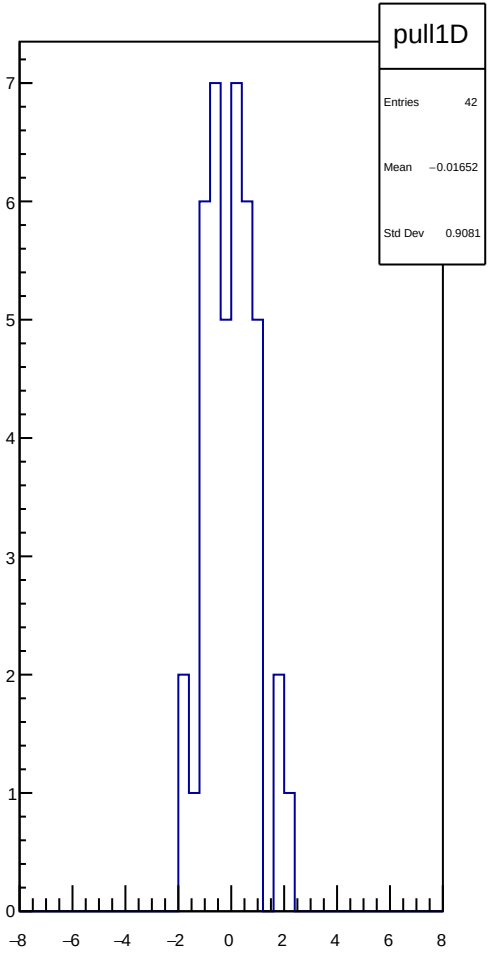

eigen_dit_asym_usl_atl2_avg_rms vs run
χ^2 / ndf 110.1 / 41
p0 1604 ± 1.764
1660
1640
1620
1600
1580
1560
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

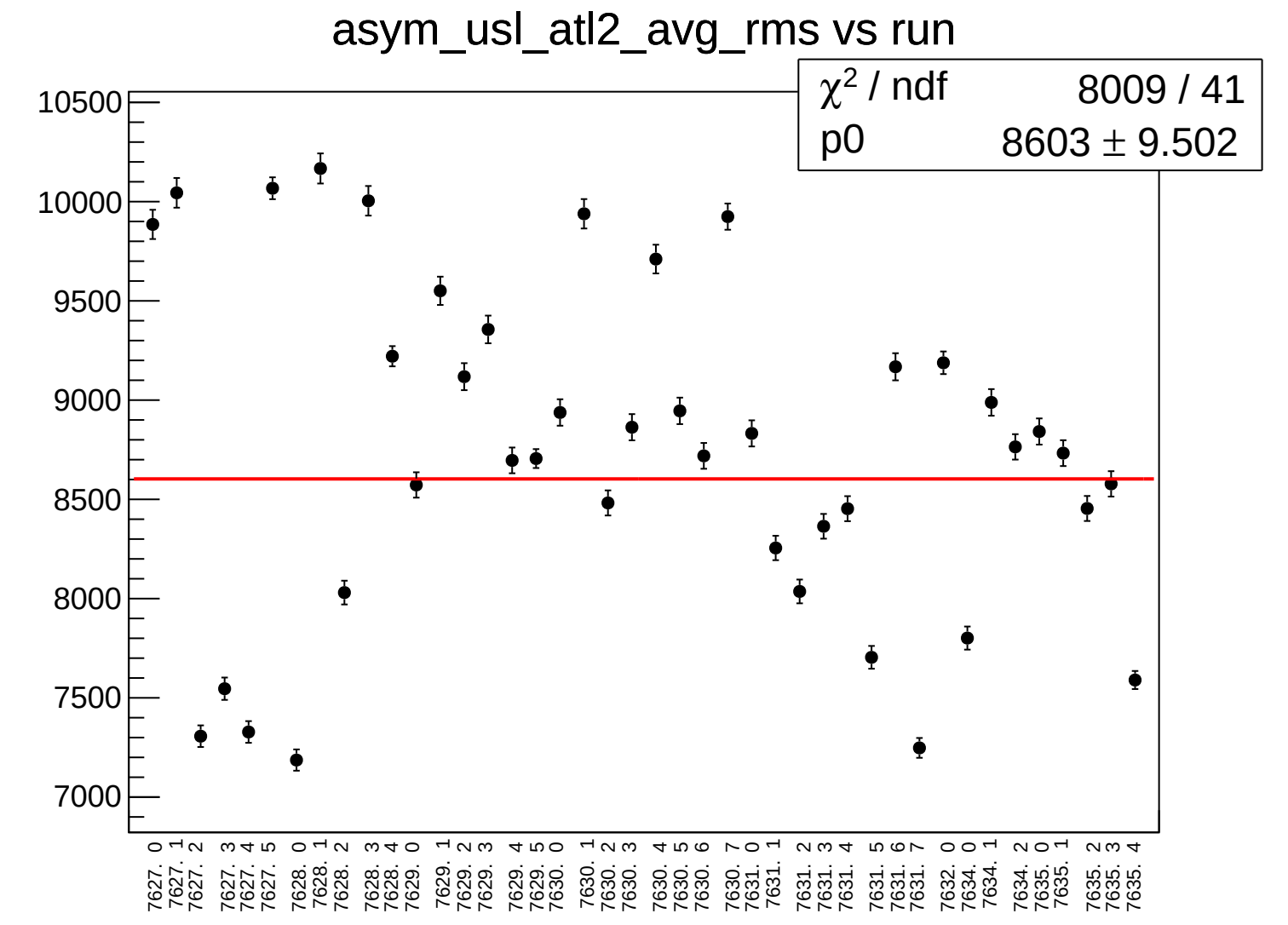

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.56 / 41
p0 3.024e+04 ± 1.342e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −15.35
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

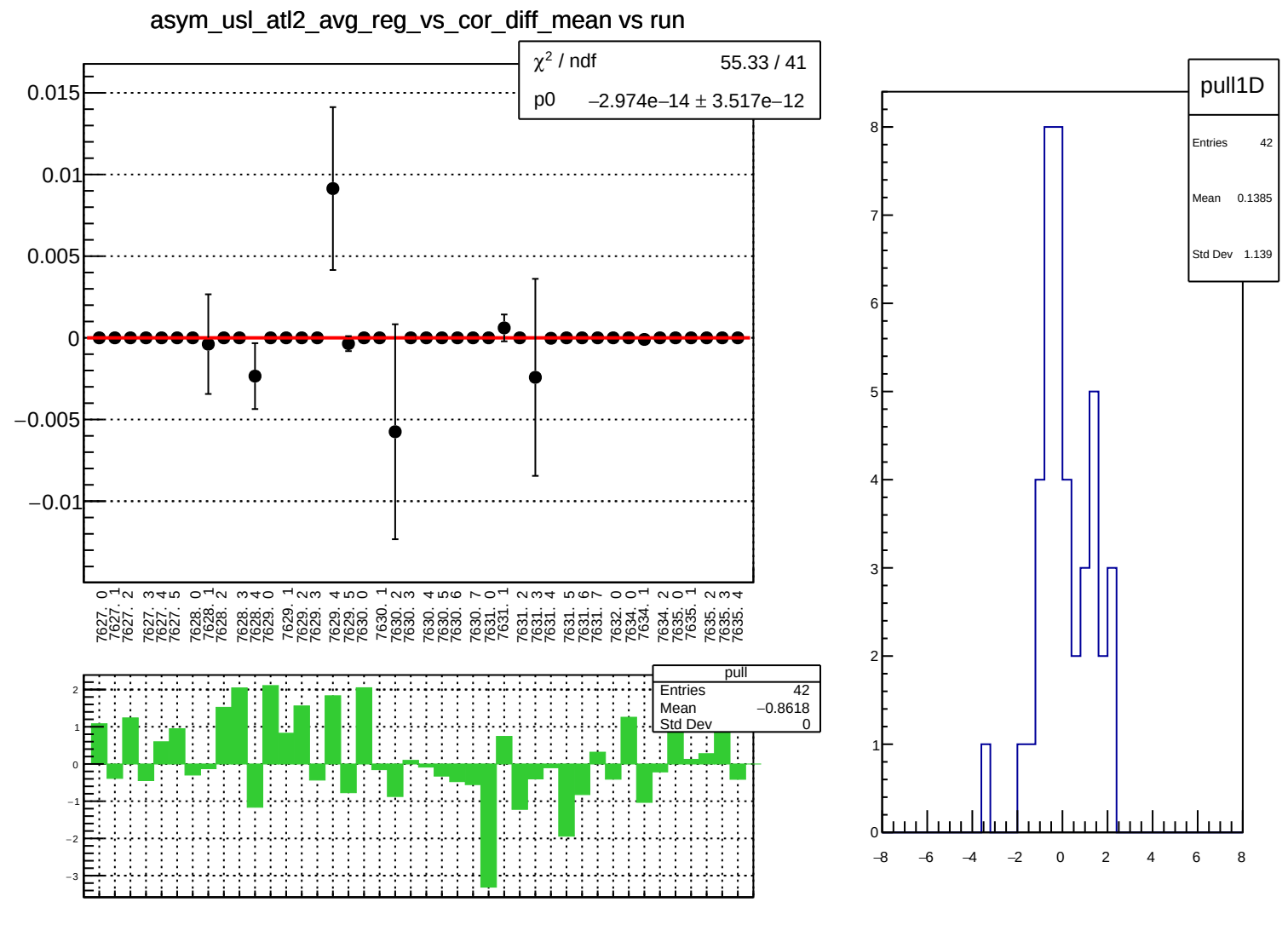

pull1D
Entries 42
Mean 0.02033
Std Dev 0.8802
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

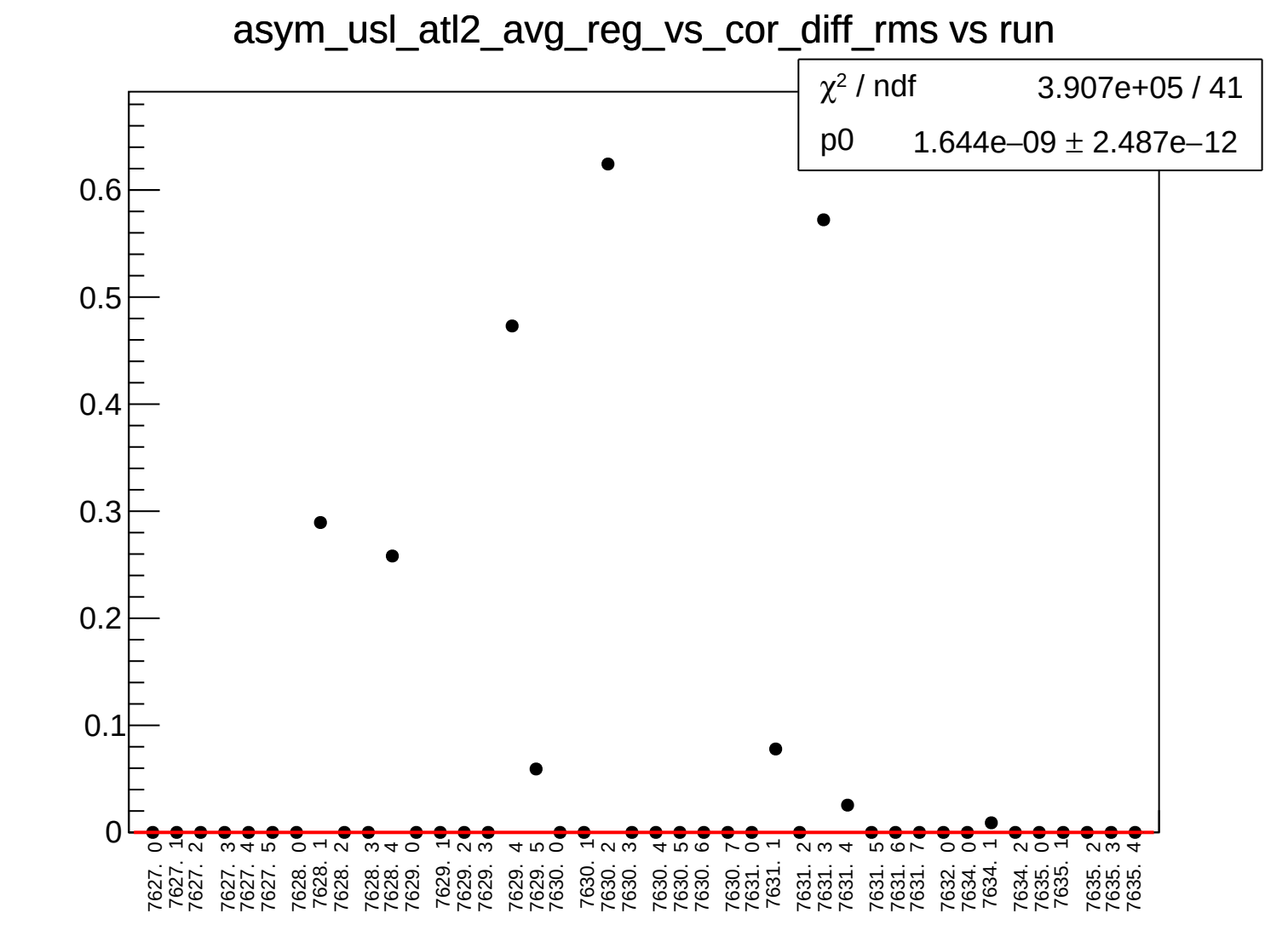

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 8492 / 41
p0 8592 ± 9.493
10500
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 34.65 / 41
p0 −3.118e+04 ± 1.344e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

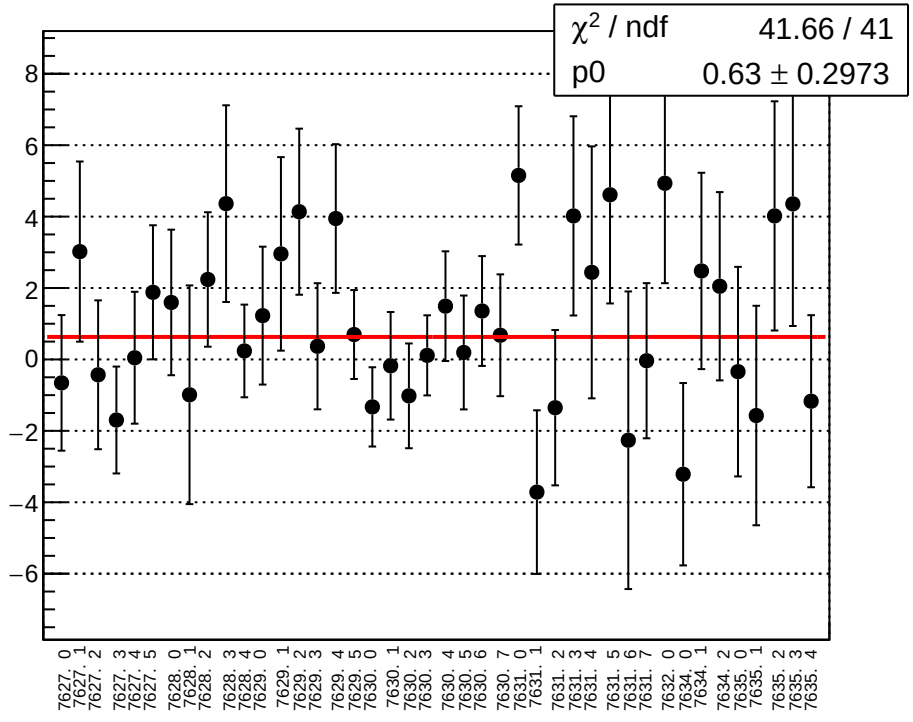

pull1D
Entries 42
Mean −0.01652
Std Dev 0.9081
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

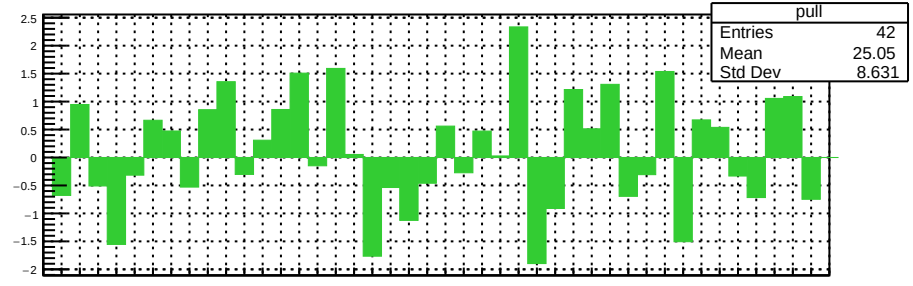

asym_usl_atl2_avg_rms vs run
χ² / ndf 8009 / 41
p0 8603 ± 9.502
10500
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

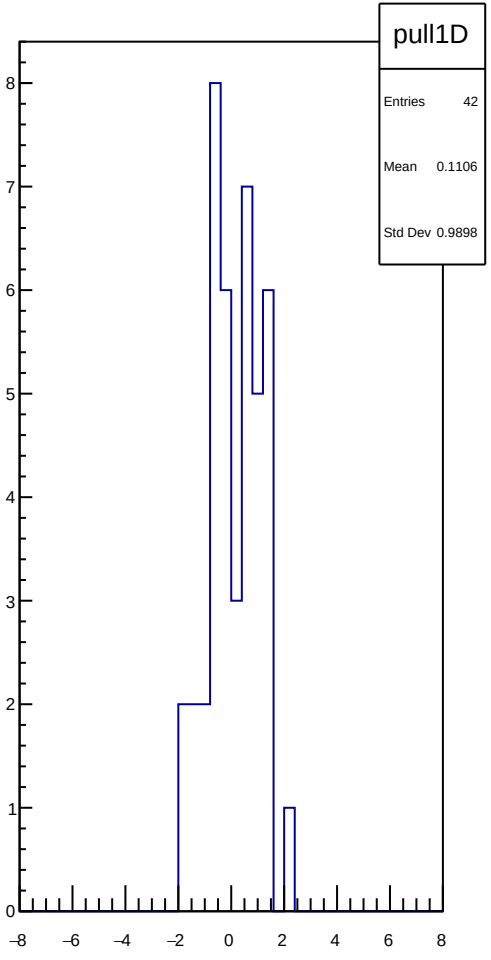

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.33 / 41
p0 −2.974e−14 ± 3.517e−12
0.015
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −0.8618
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.1385
Std Dev 1.139
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

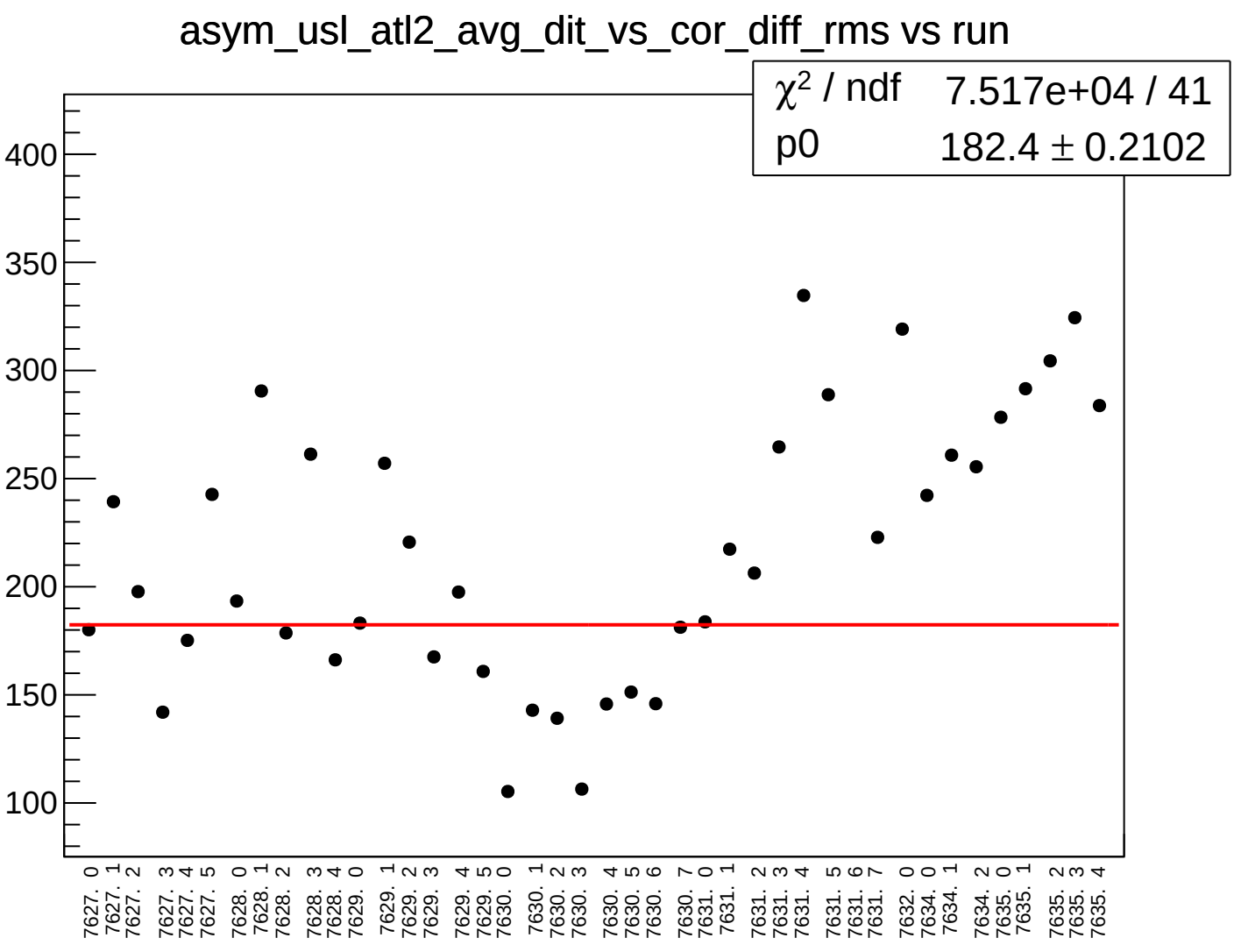

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.907e+05 / 41
p0 1.644e−09 ± 2.487e−12
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

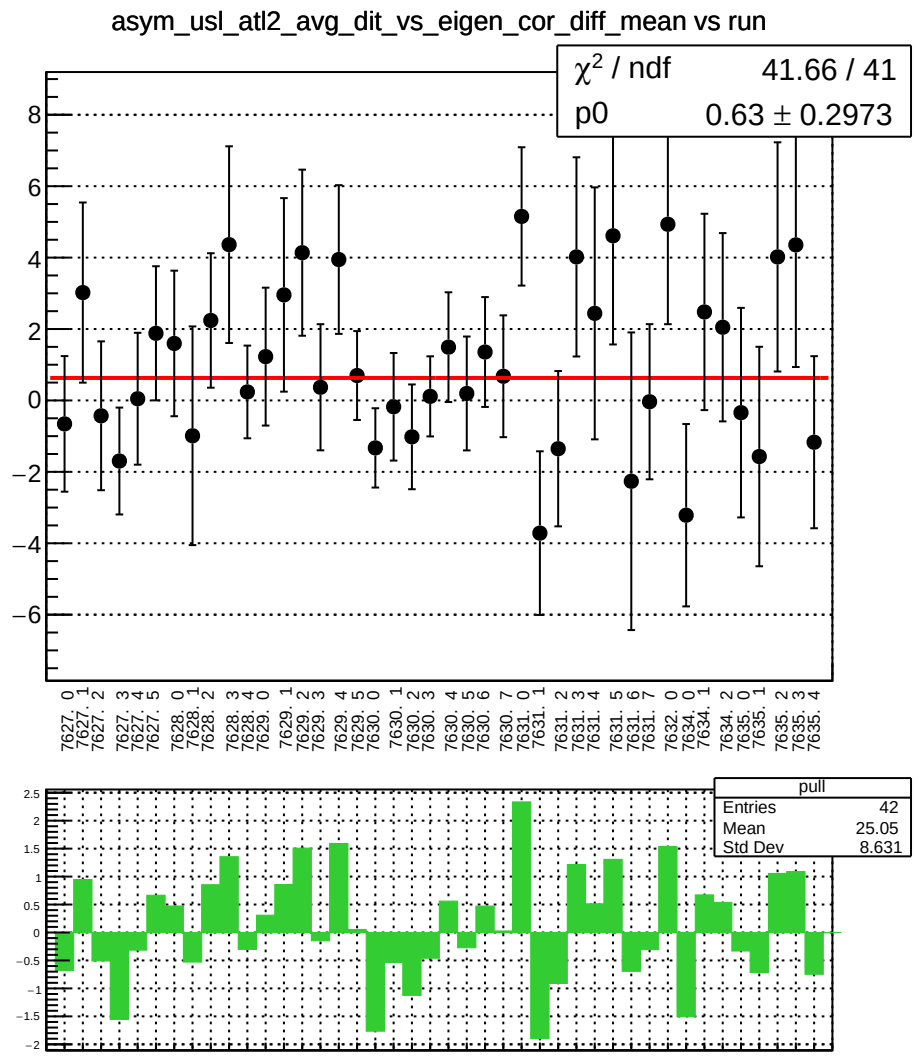
asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run

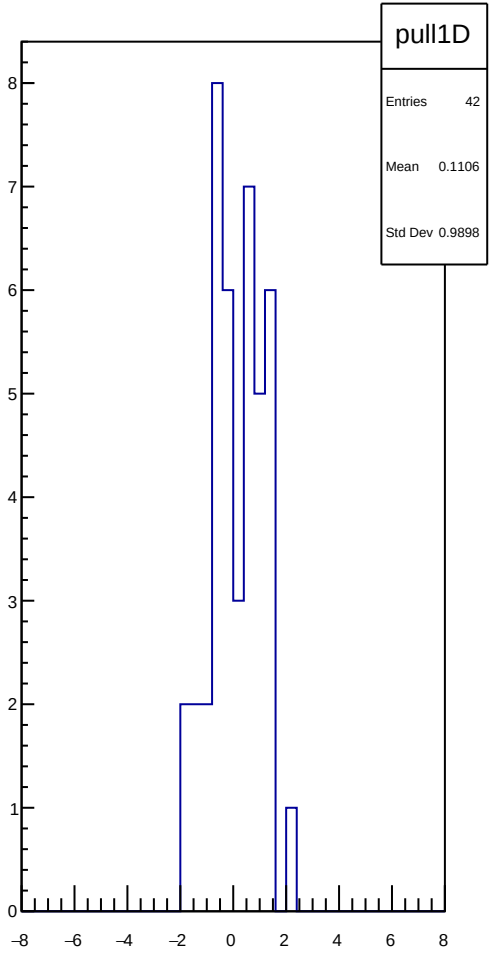


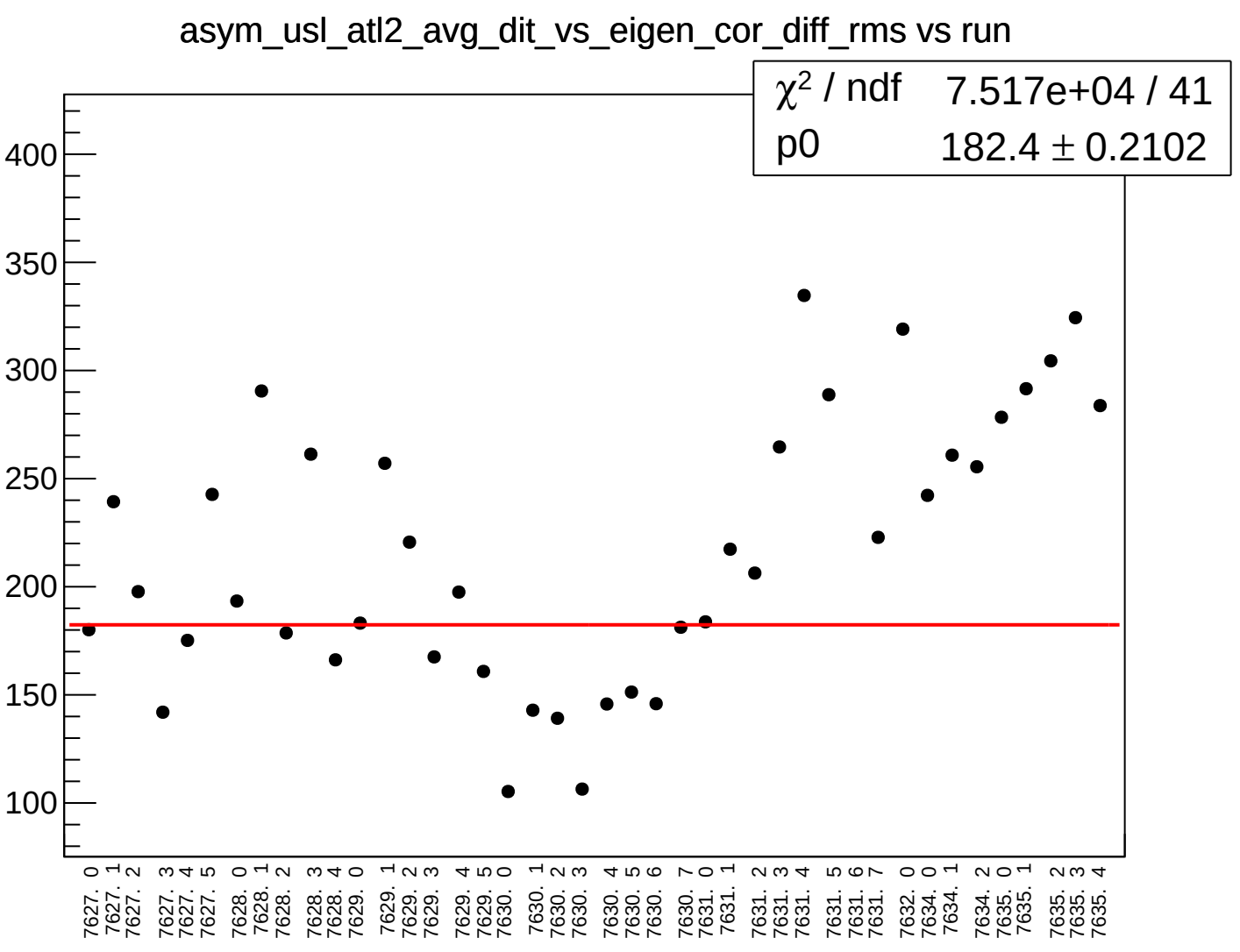


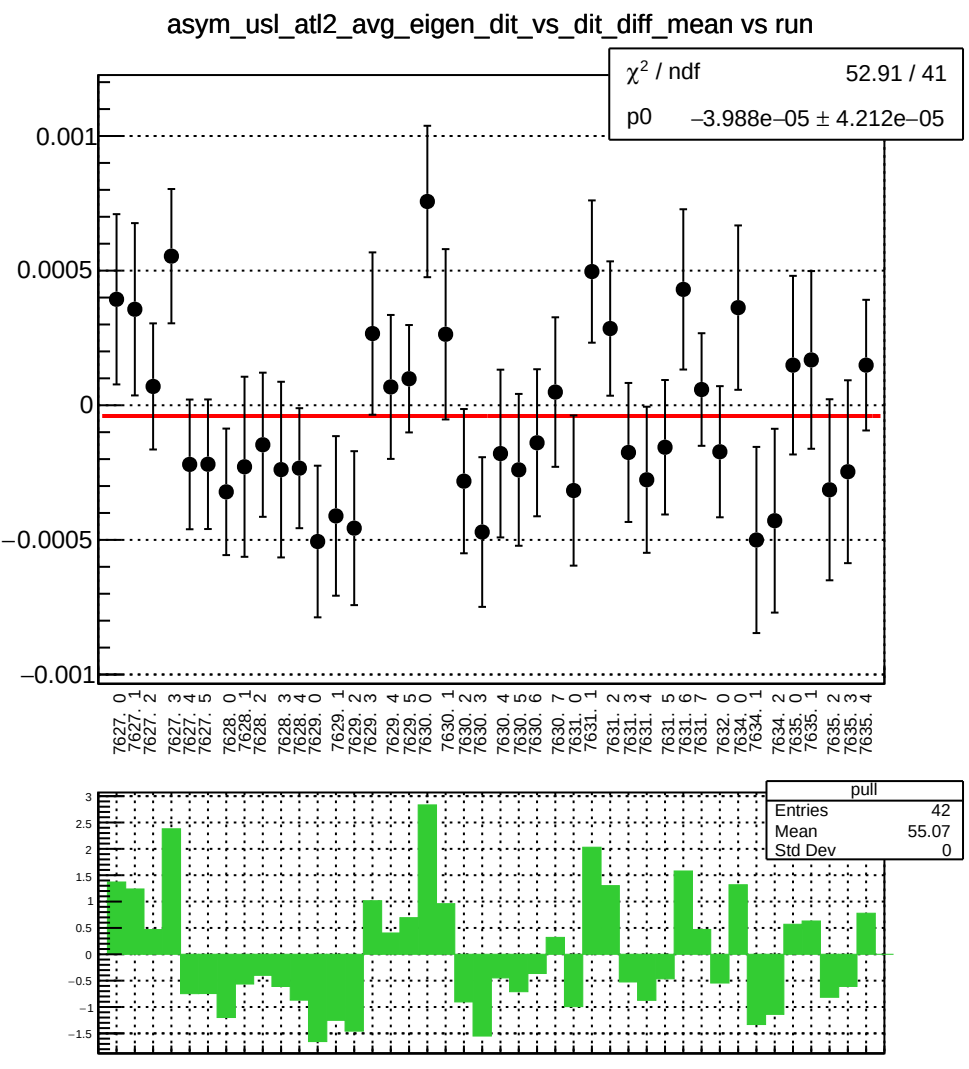


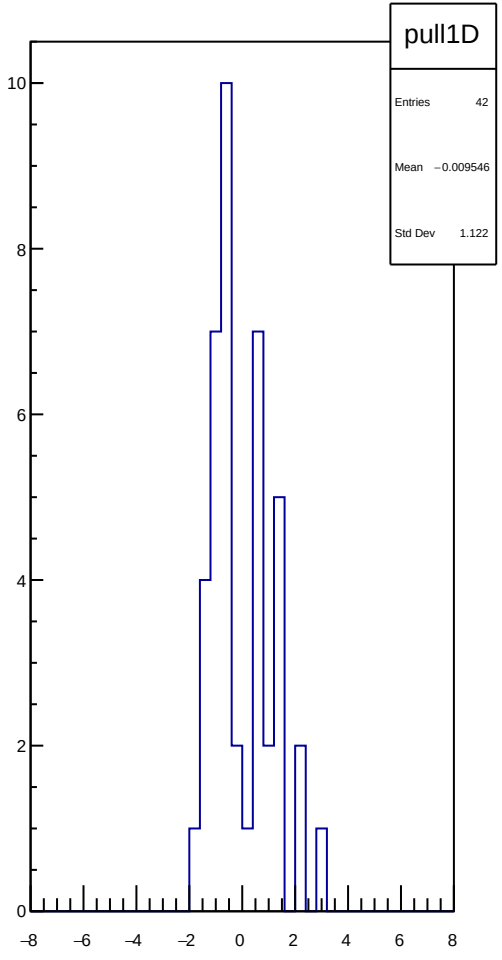

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.517e+04 / 41
p0 182.4 ± 0.2102
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

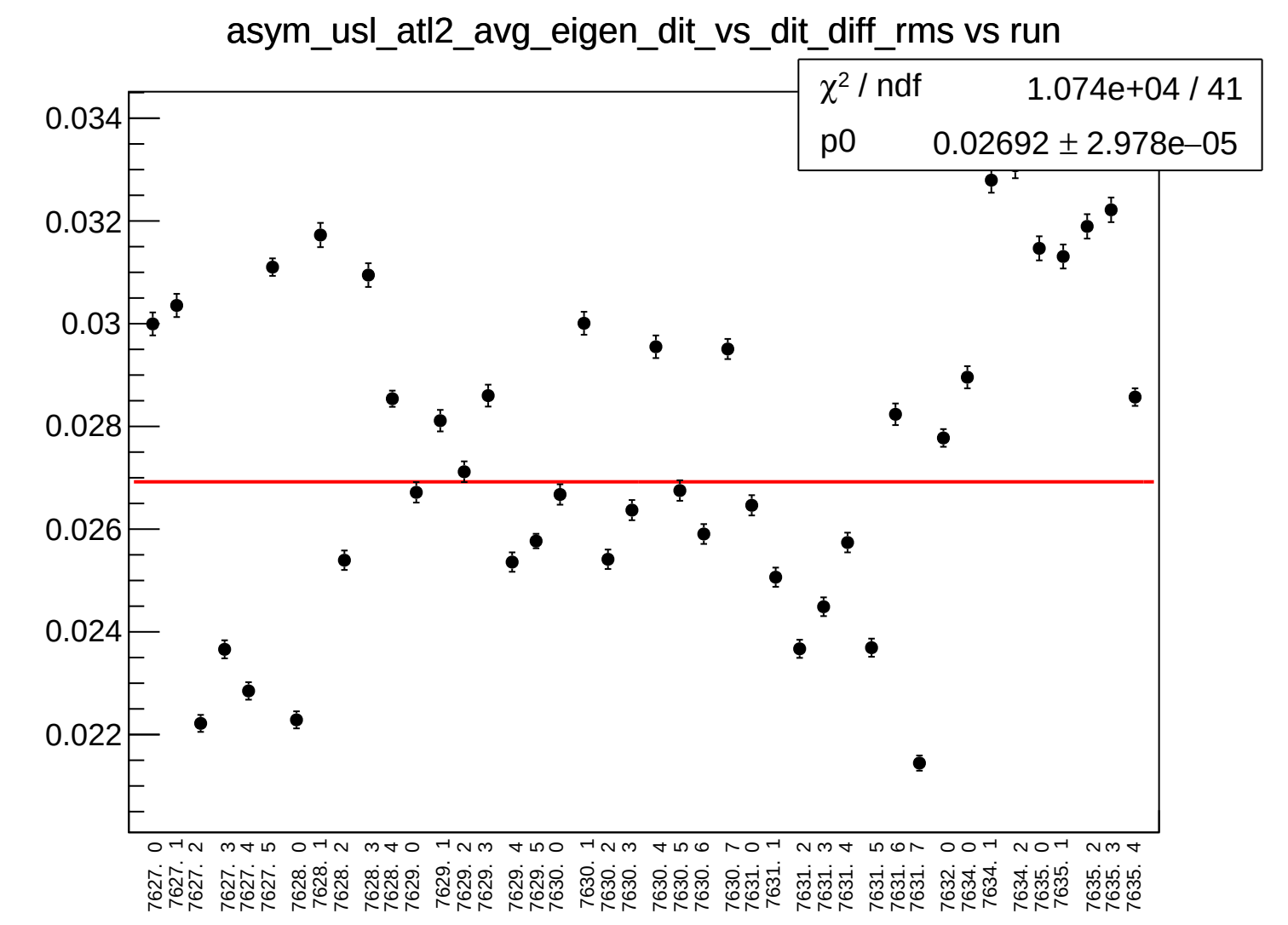

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.66 / 41
p0 0.63 ± 0.2973
pull
Entries 42
Mean 25.05
Std Dev 8.631

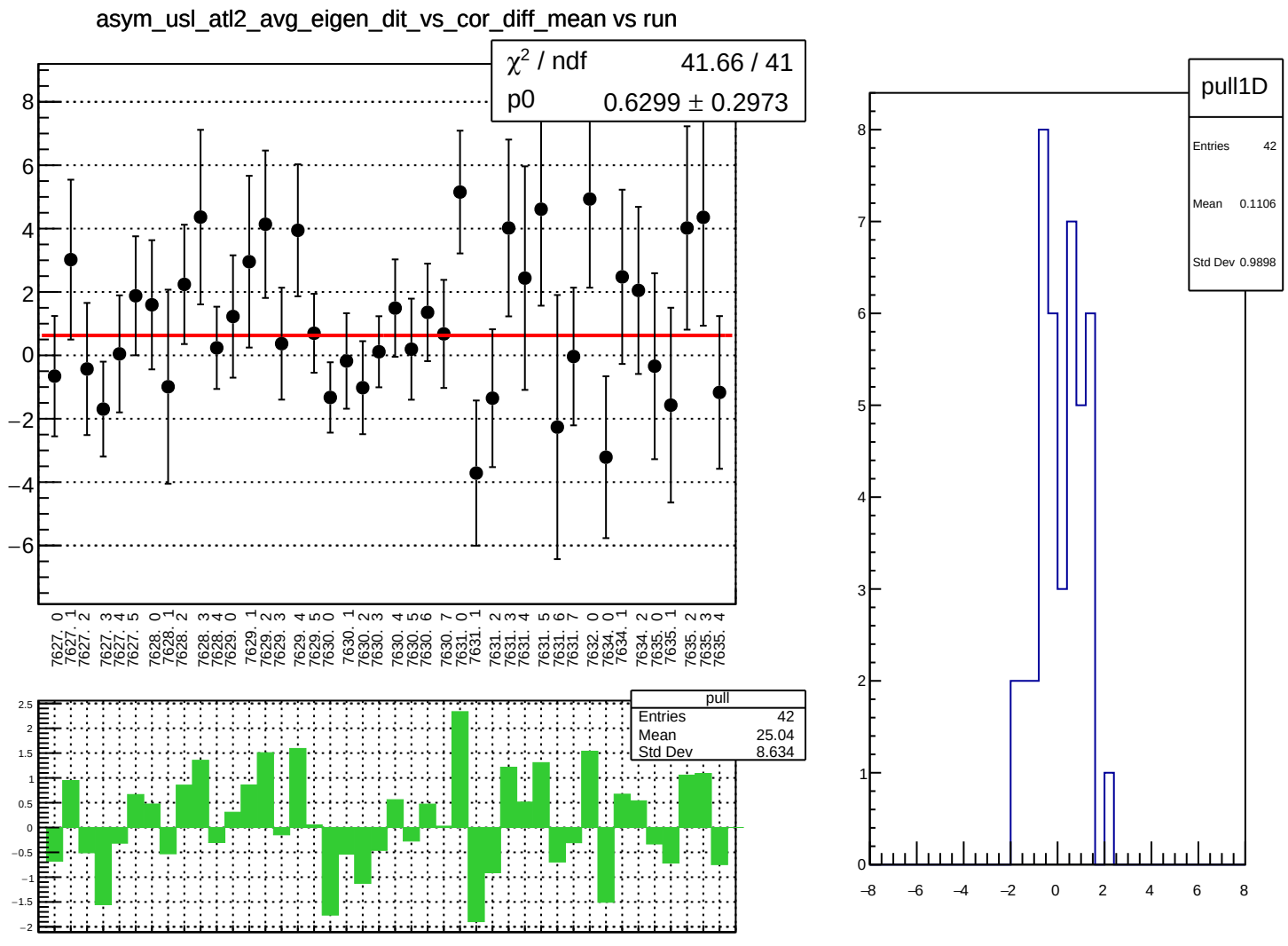

pull1D
Entries 42
Mean 0.1106
Std Dev 0.9898

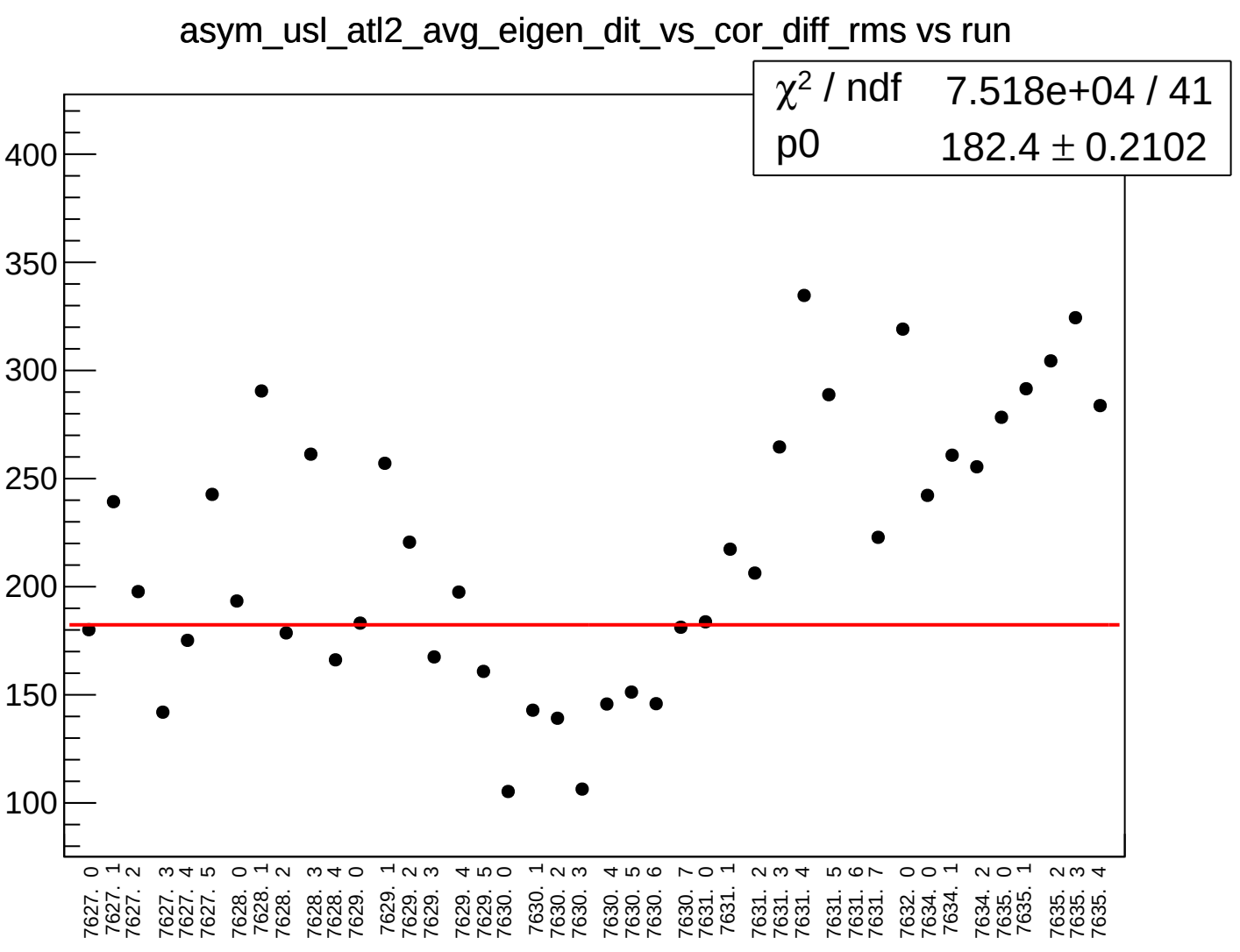

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.517e+04 / 41
p0 182.4 ± 0.2102
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

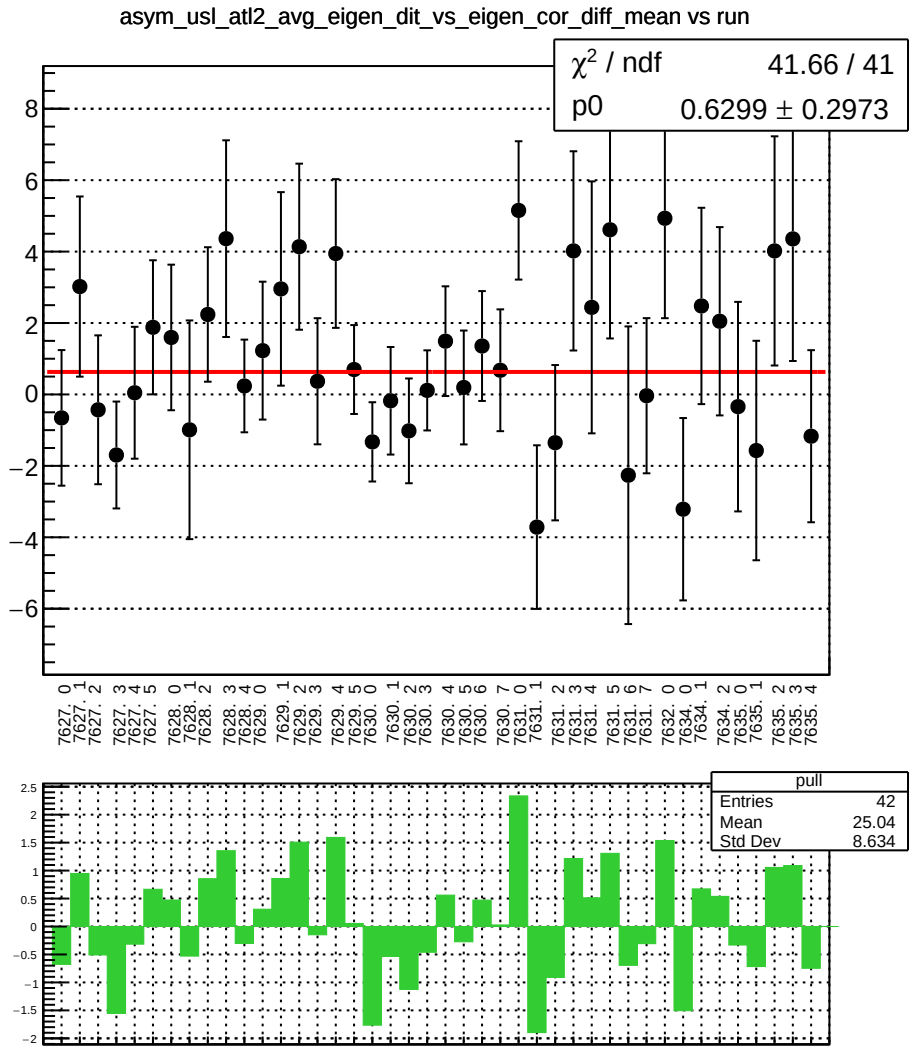

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 52.91 / 41
p0 −3.988e−05 ± 4.212e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 55.07
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

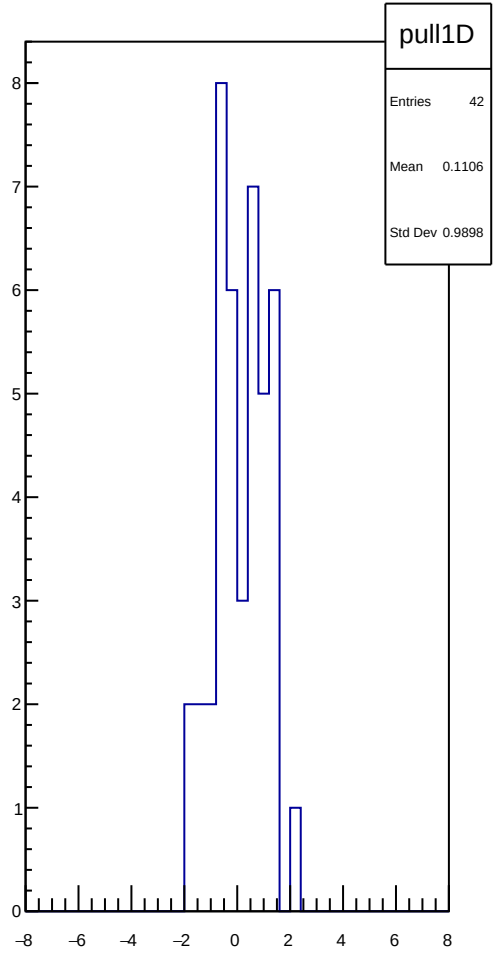

pull1D
Entries 42
Mean −0.009546
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

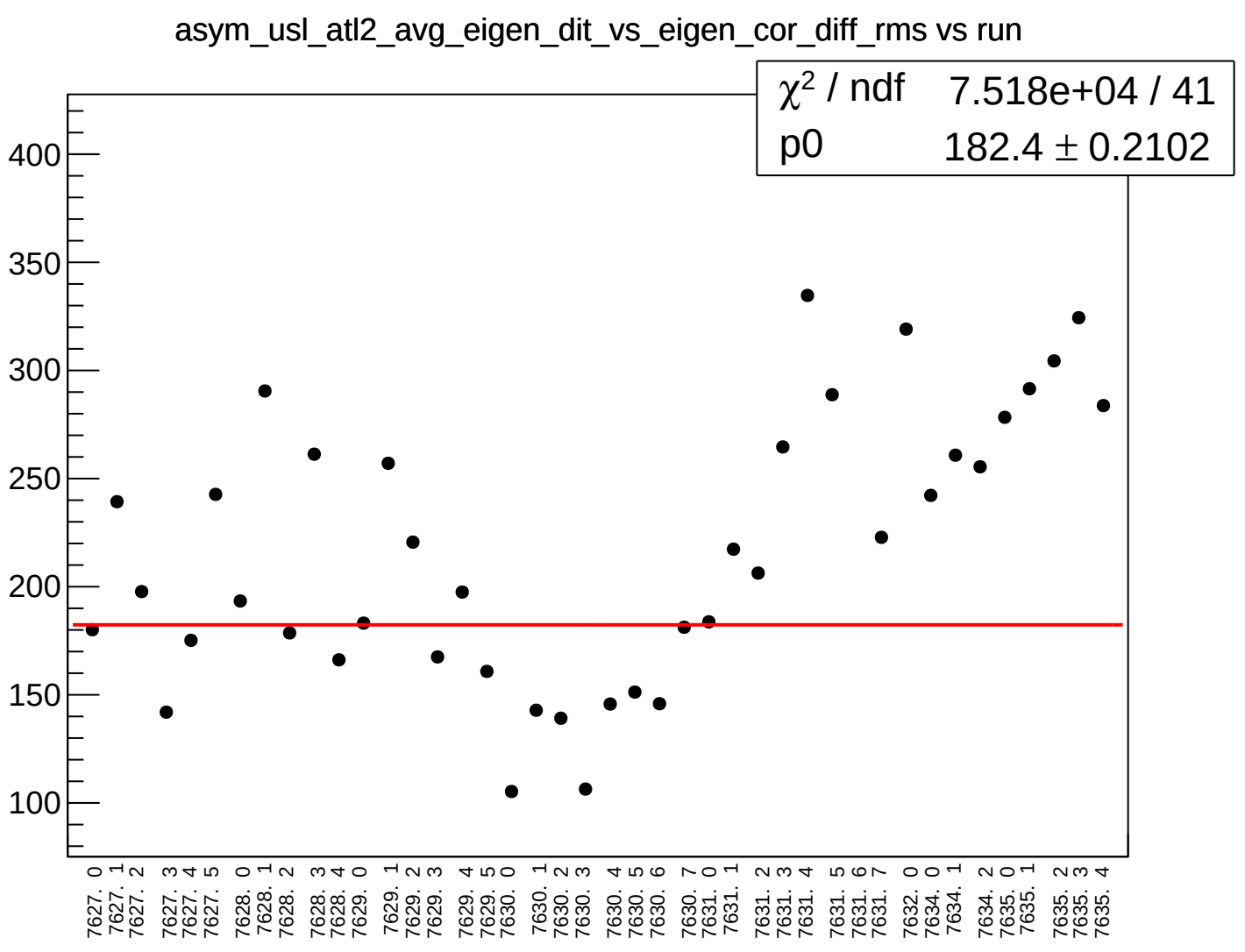

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.074e+04 / 41
p0 0.02692 ± 2.978e−05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

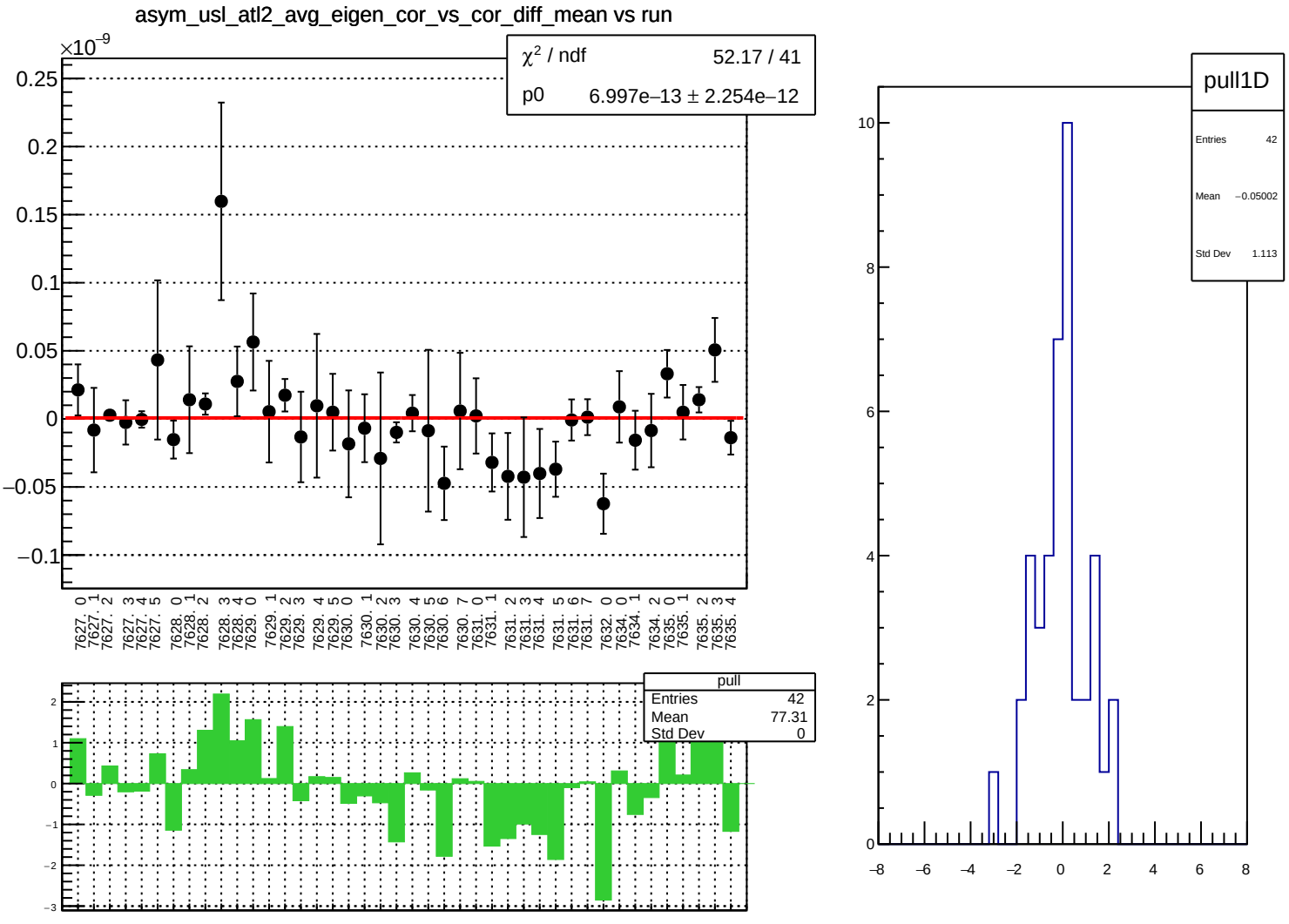

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.66 / 41
p0 0.6299 ± 0.2973
pull
Entries 42
Mean 25.04
Std Dev 8.634
pull1D
Entries 42
Mean 0.1106
Std Dev 0.9898

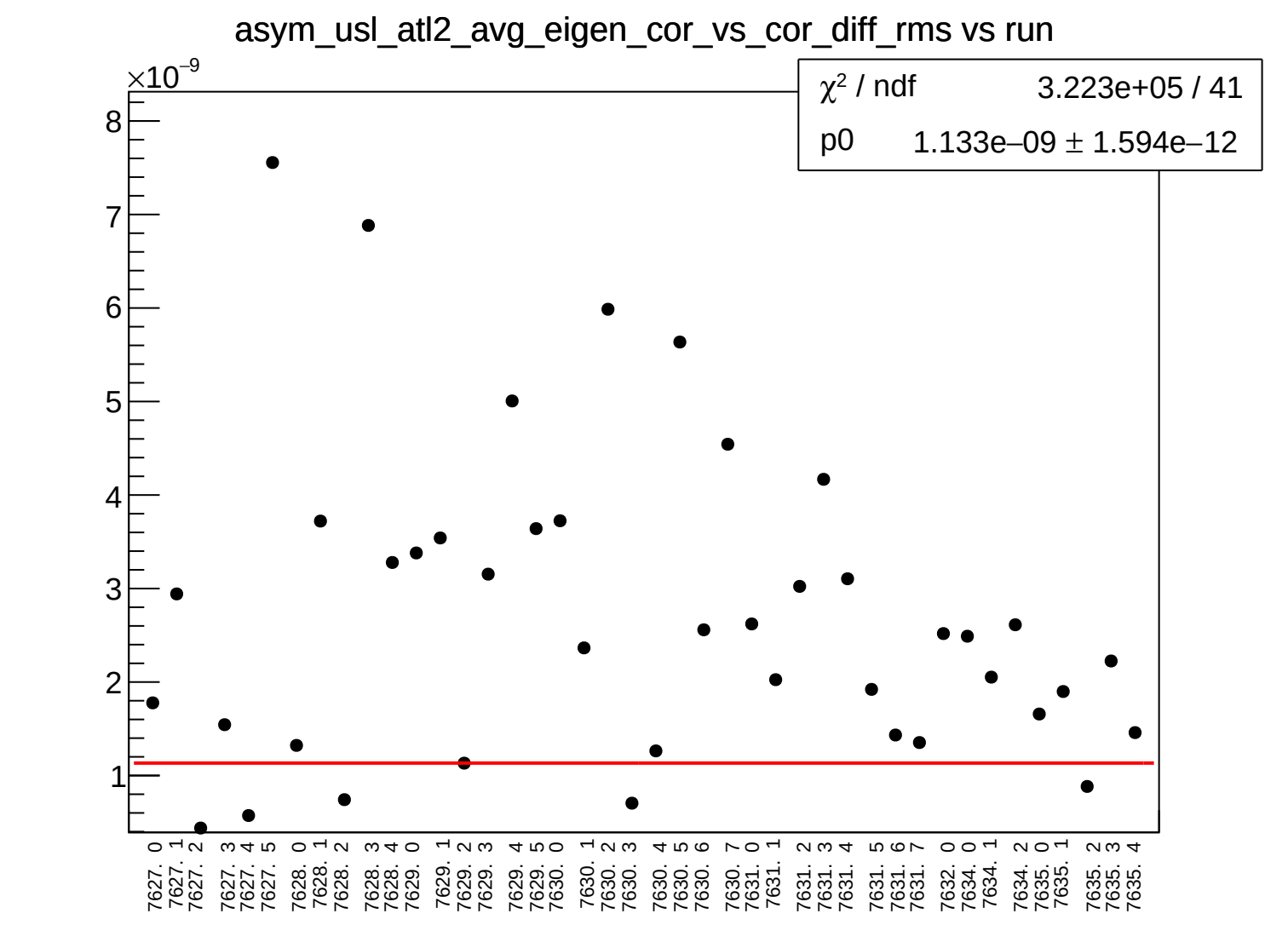

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.518e+04 / 41
p0 182.4 ± 0.2102
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

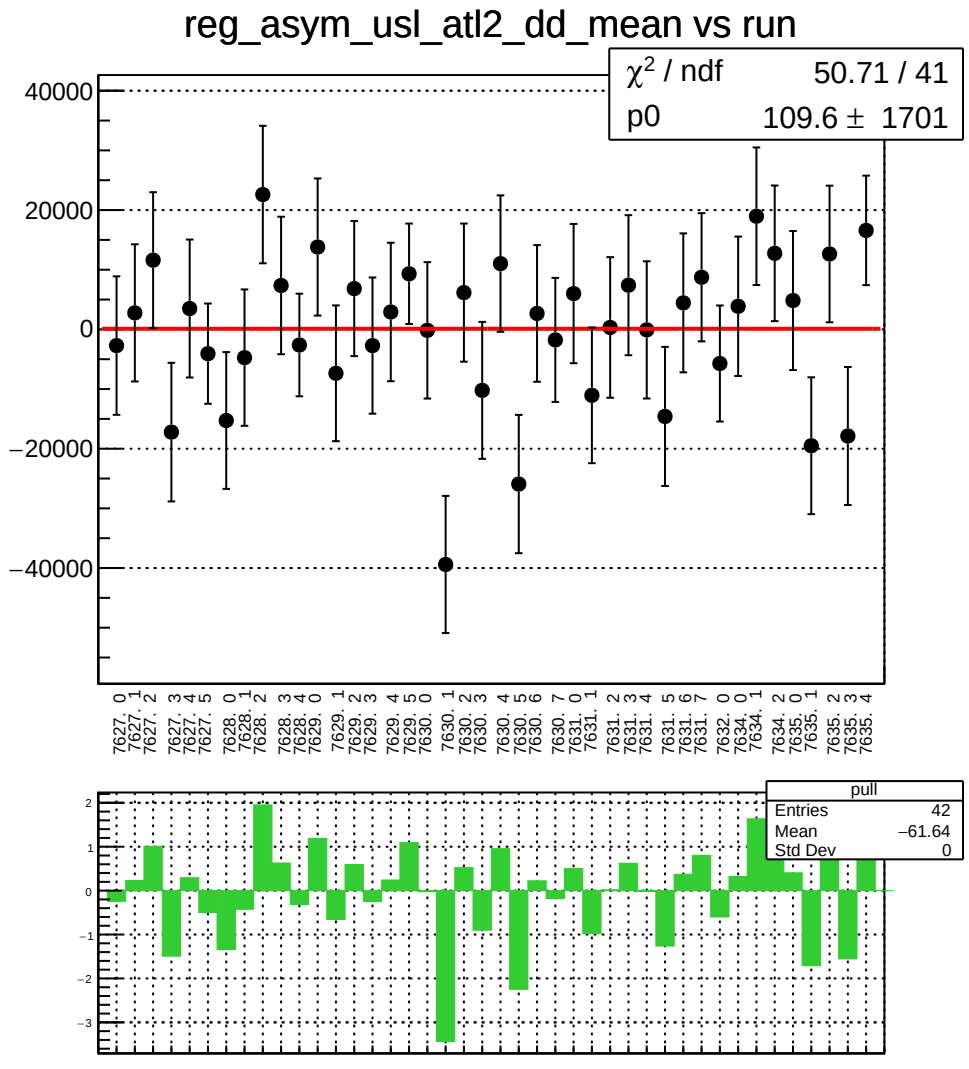

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.66 / 41
p0 0.6299 ± 0.2973
pull
Entries 42
Mean 25.04
Std Dev 8.634

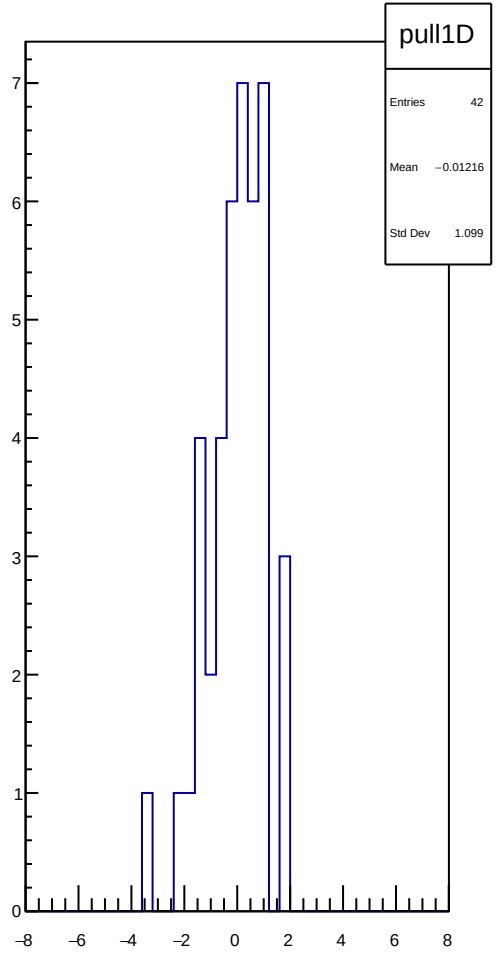

pull1D
Entries 42
Mean 0.1106
Std Dev 0.9898

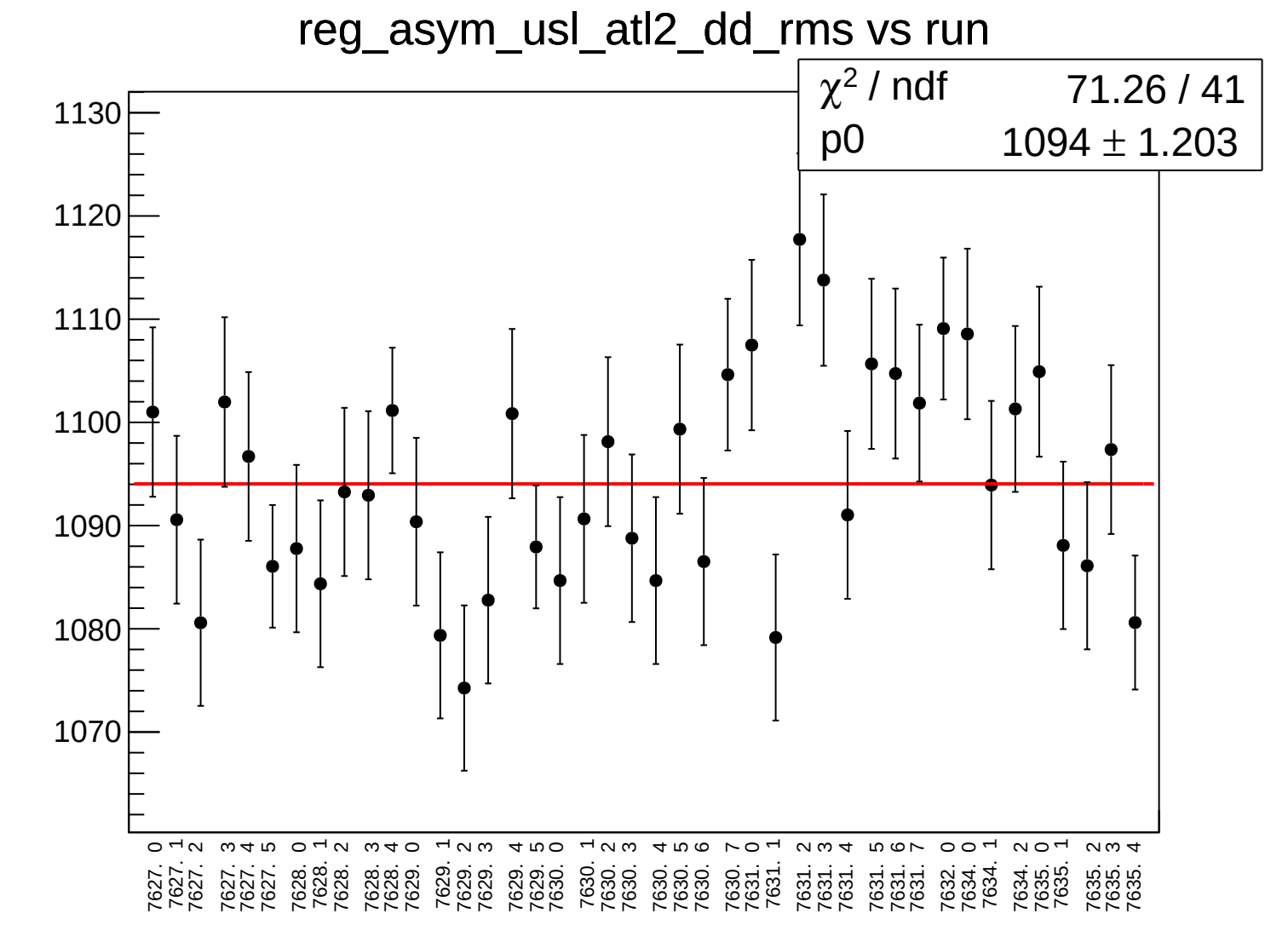

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.518e+04 / 41
p0 182.4 ± 0.2102
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

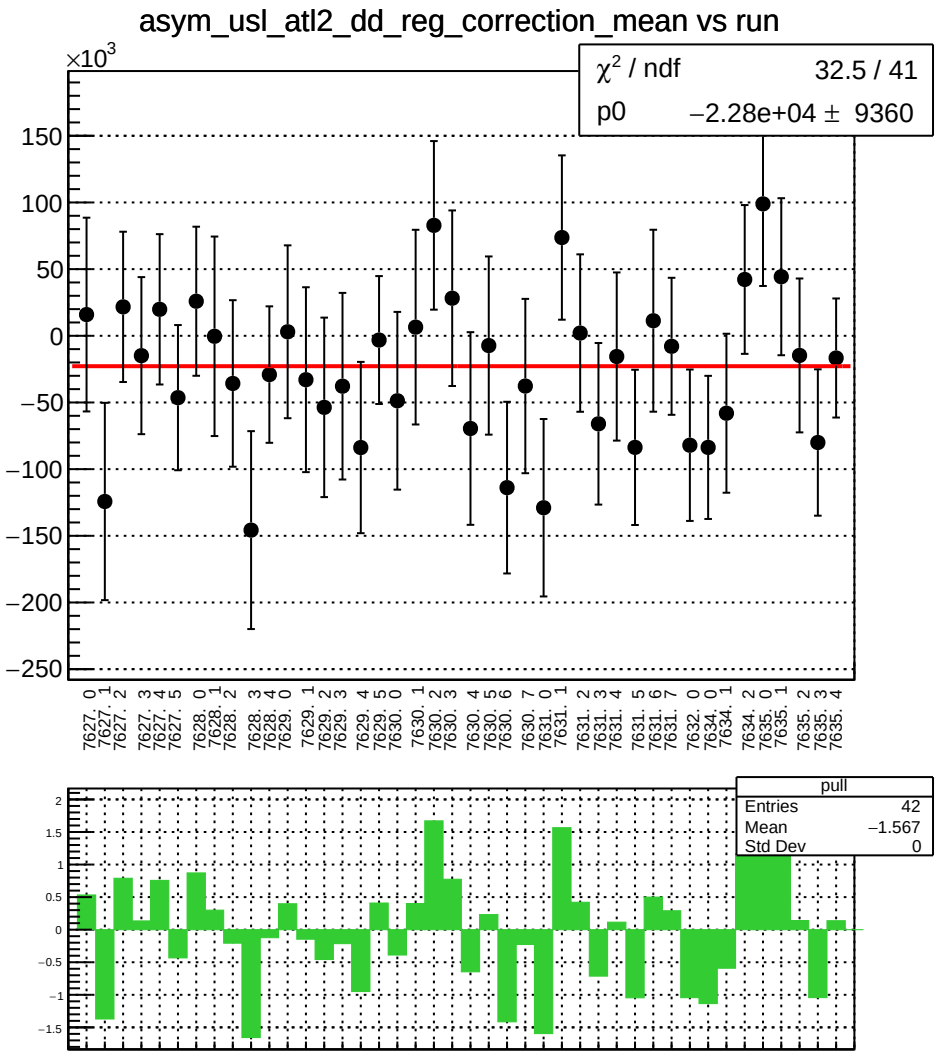

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 52.17 / 41
p0 6.997e−13 ± 2.254e−12
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 77.31
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.05002
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

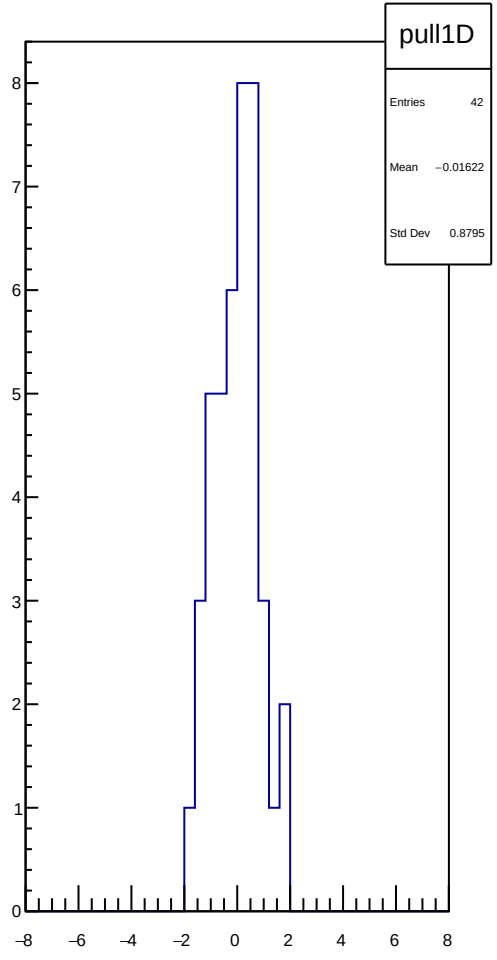

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.223e+05 / 41
p0 1.133e−09 ± 1.594e−12
8
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 50.71 / 41
p0 109.6 ± 1701
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −61.64
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.01216
Std Dev 1.099
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 71.26 / 41
p0 1094 ± 1.203
1130
1120
1110
1100
1090
1080
1070
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 32.5 / 41
p0 −2.28e+04 ± 9360
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.567
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01622
Std Dev 0.8795
8
7
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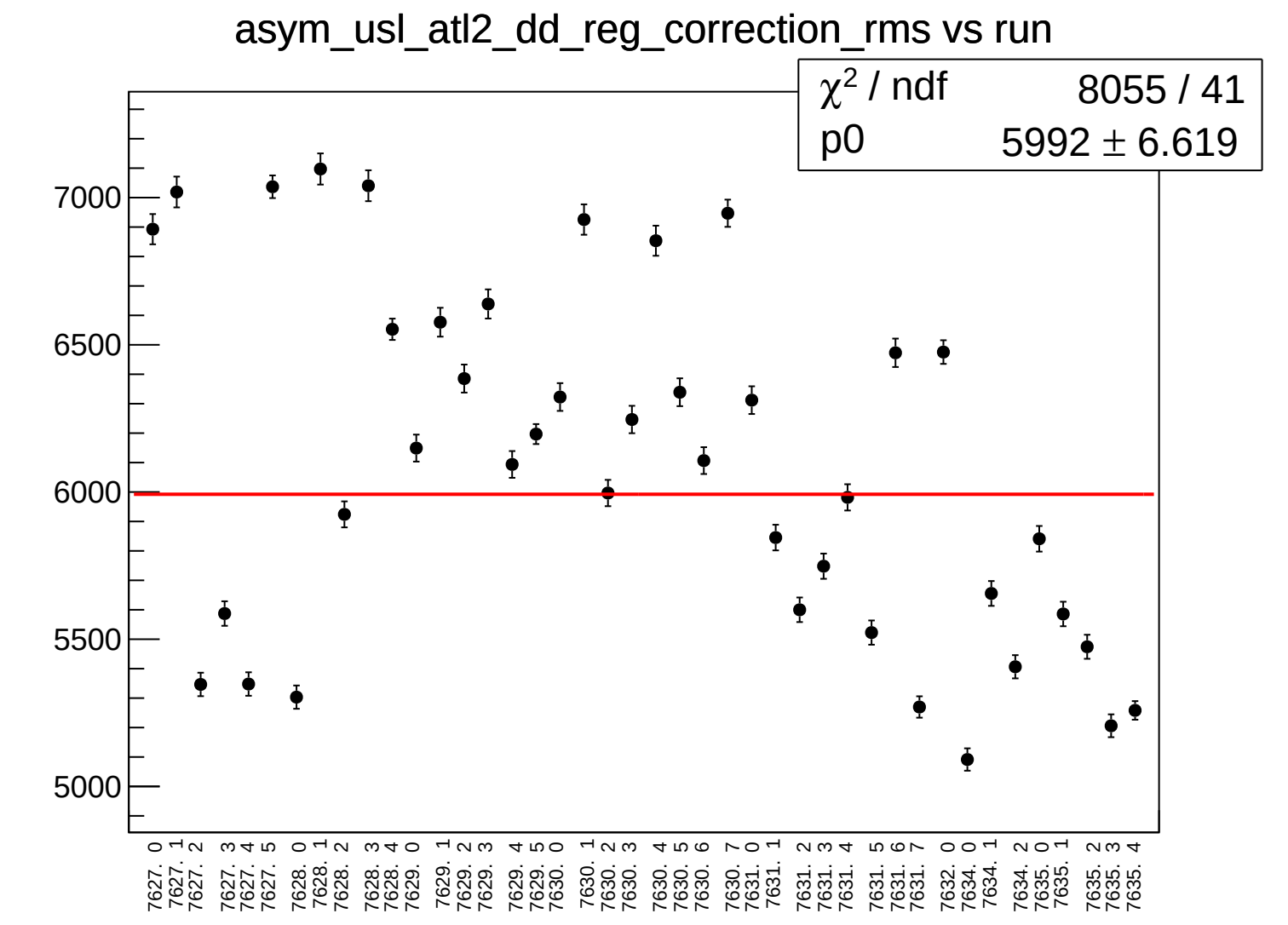
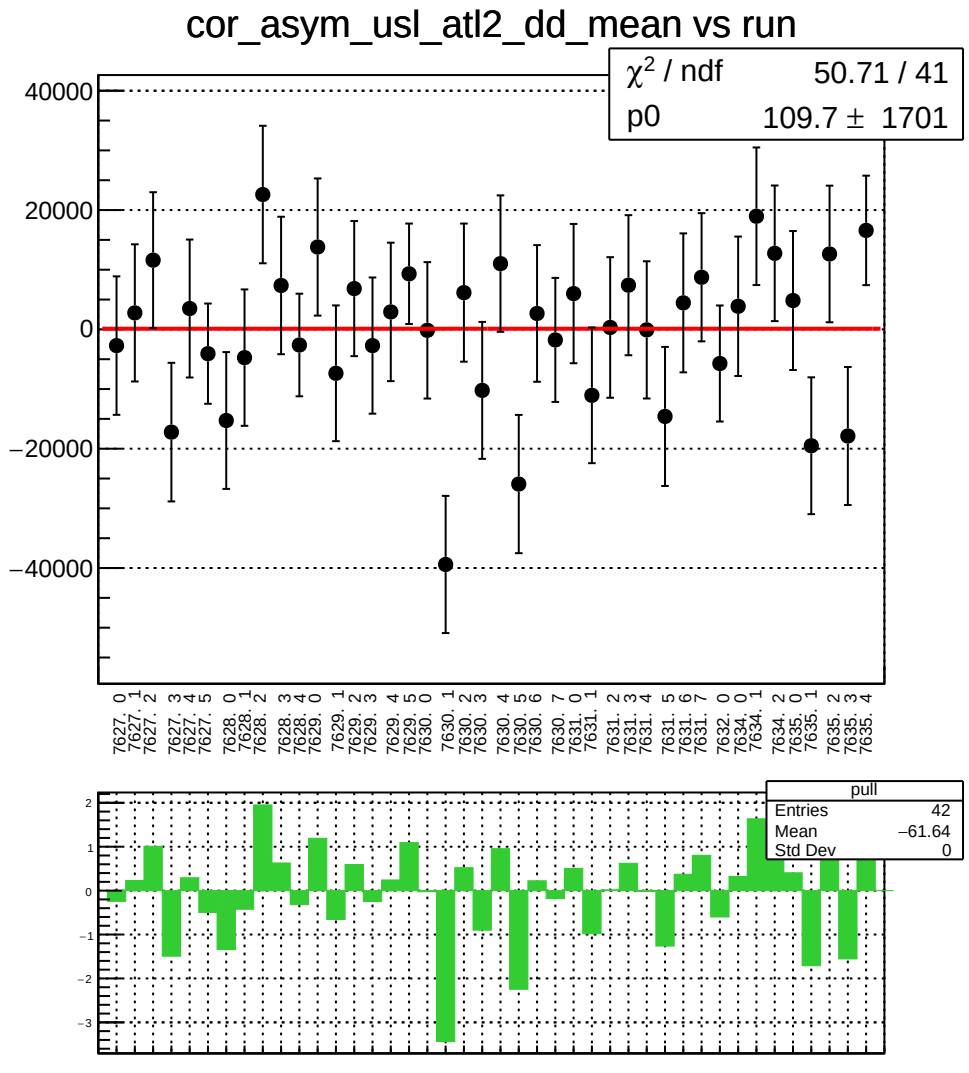
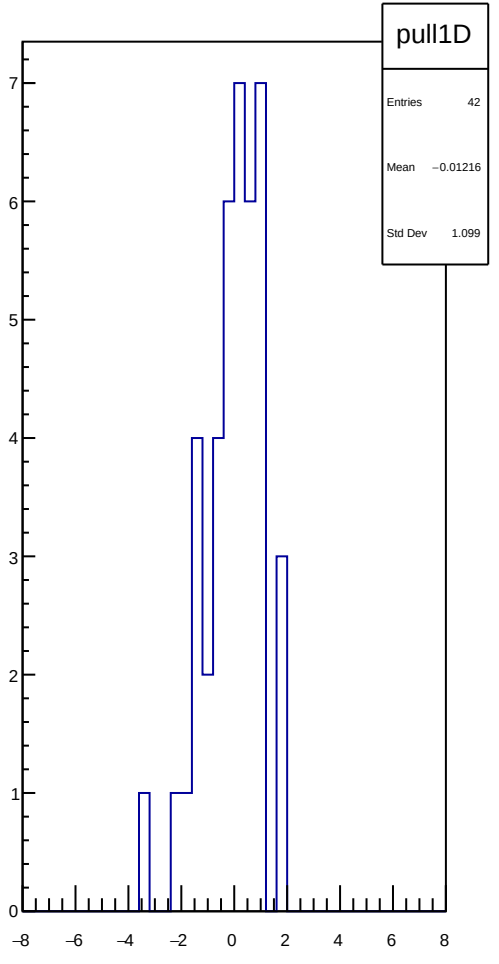
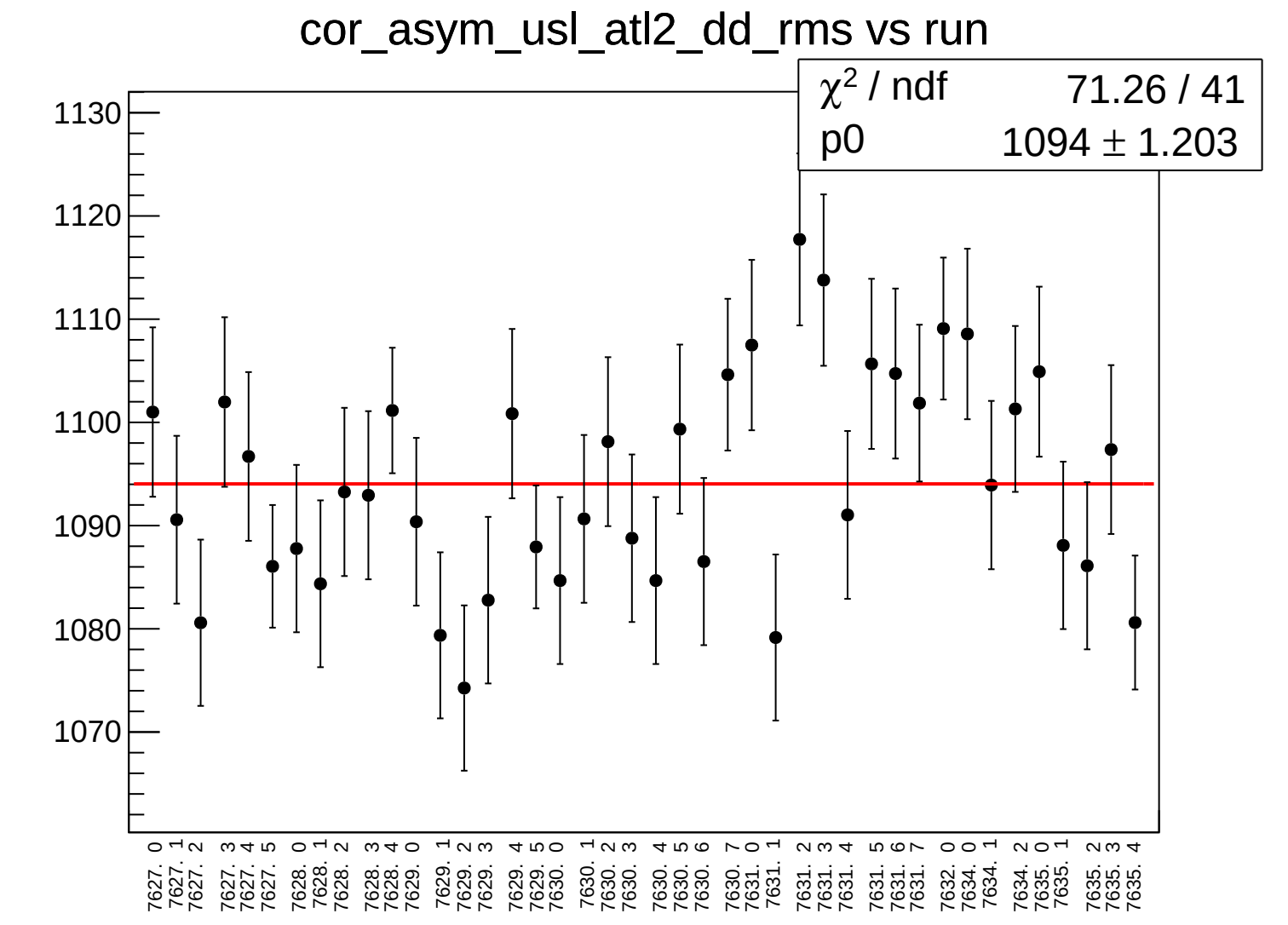
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 8055 / 41
p0 5992 ± 6.619
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 50.71 / 41
p0 109.7 ± 1701
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −61.64
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.01216
Std Dev 1.099
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 71.26 / 41
p0 1094 ± 1.203
1130
1120
1110
1100
1090
1080
1070
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
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7629. 4
7629. 5
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7630. 2
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7630. 4
7630. 5
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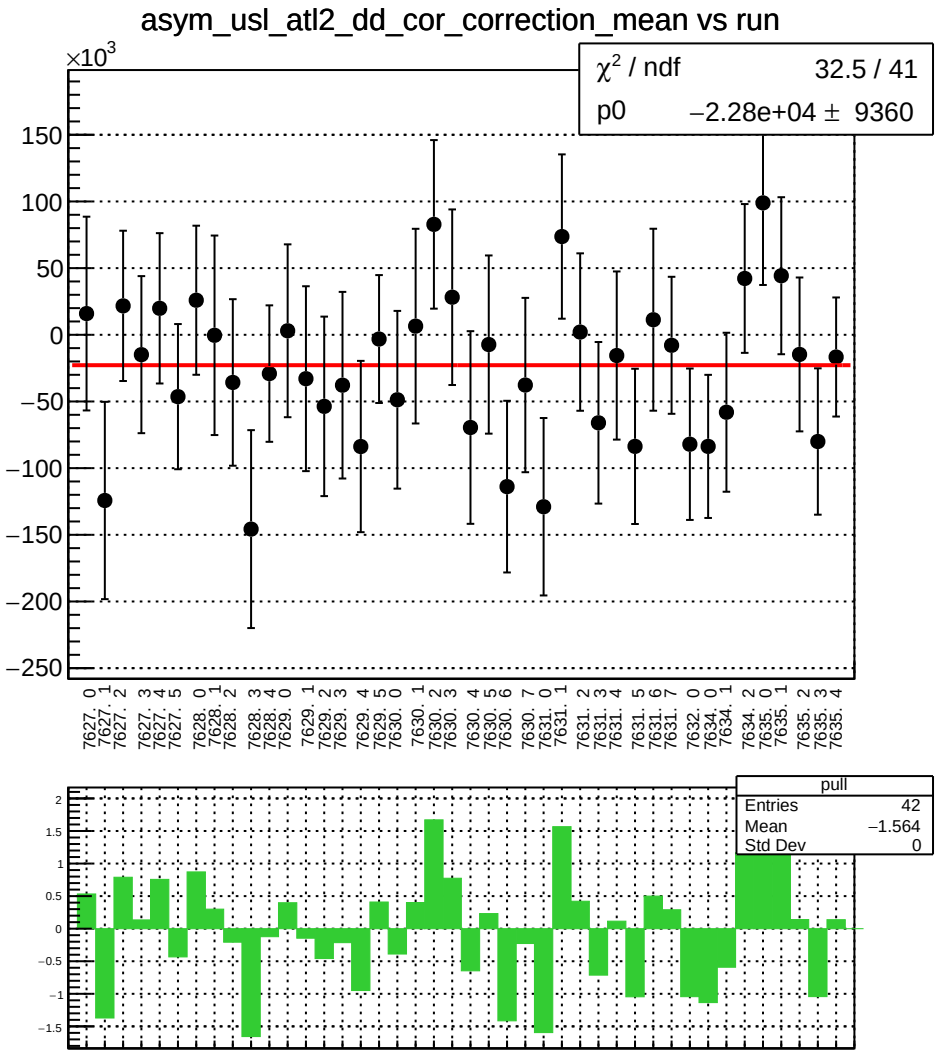
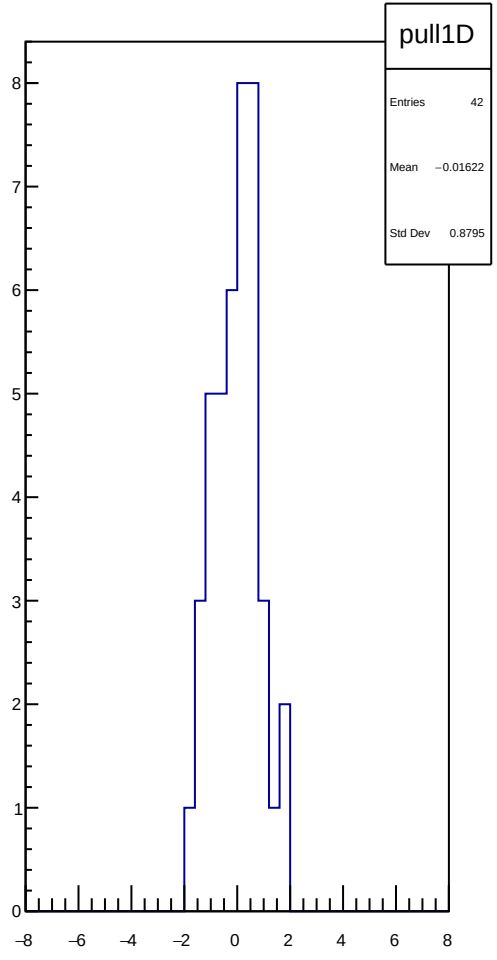
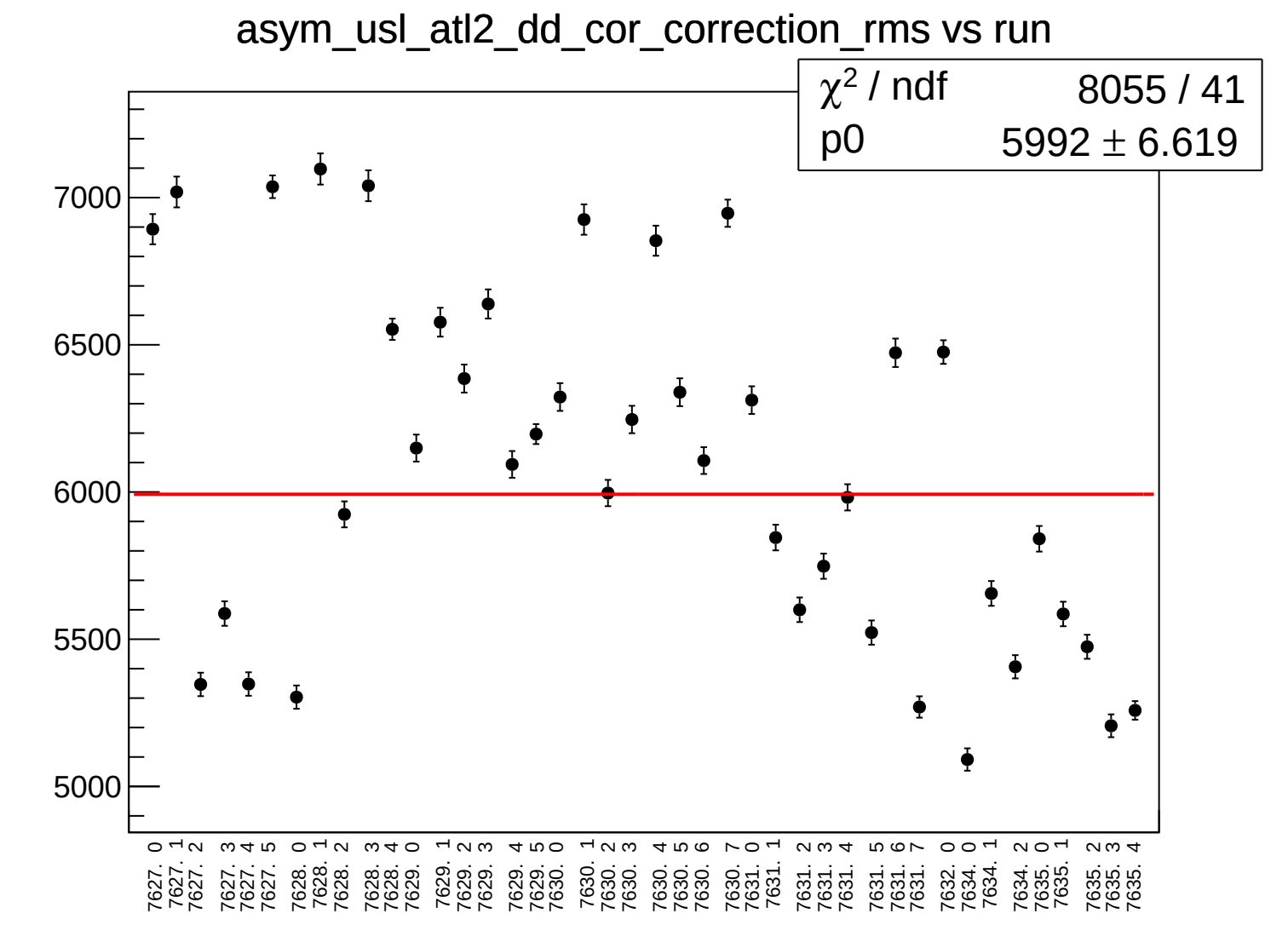
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 32.5 / 41
p0 −2.28e+04 ± 9360
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.564
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01622
Std Dev 0.8795
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 8055 / 41
p0 5992 ± 6.619
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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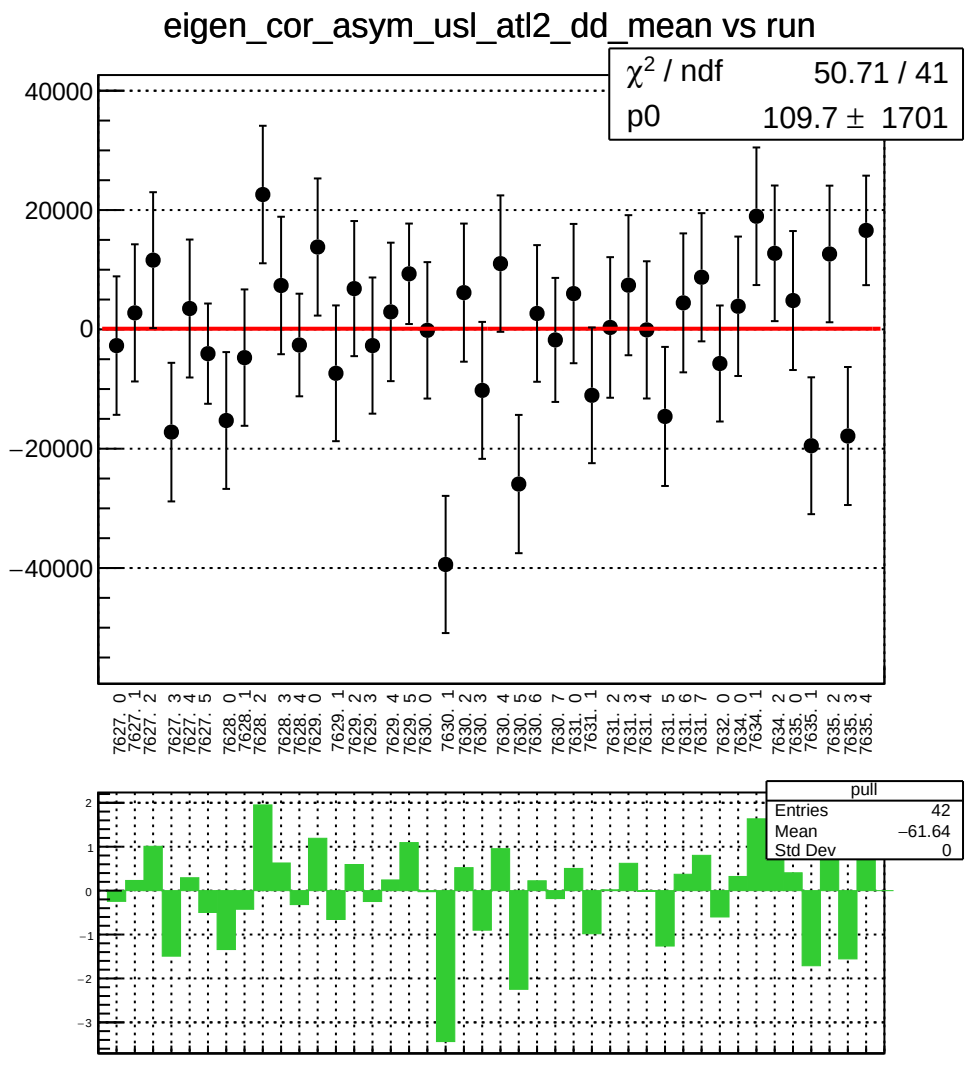
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 50.71 / 41
p0 109.7 ± 1701
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
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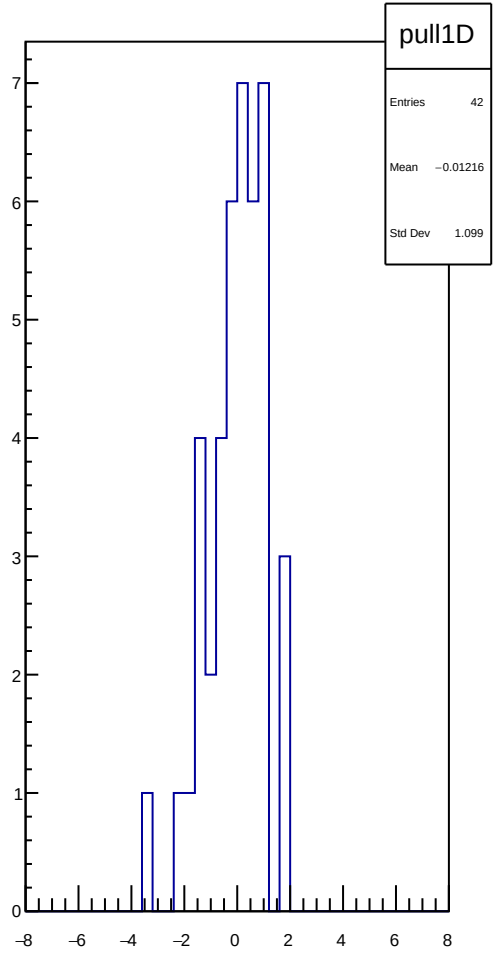
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −61.64
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.01216
Std Dev 1.099
7
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5
4
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1
0
−8
−6
−4
−2
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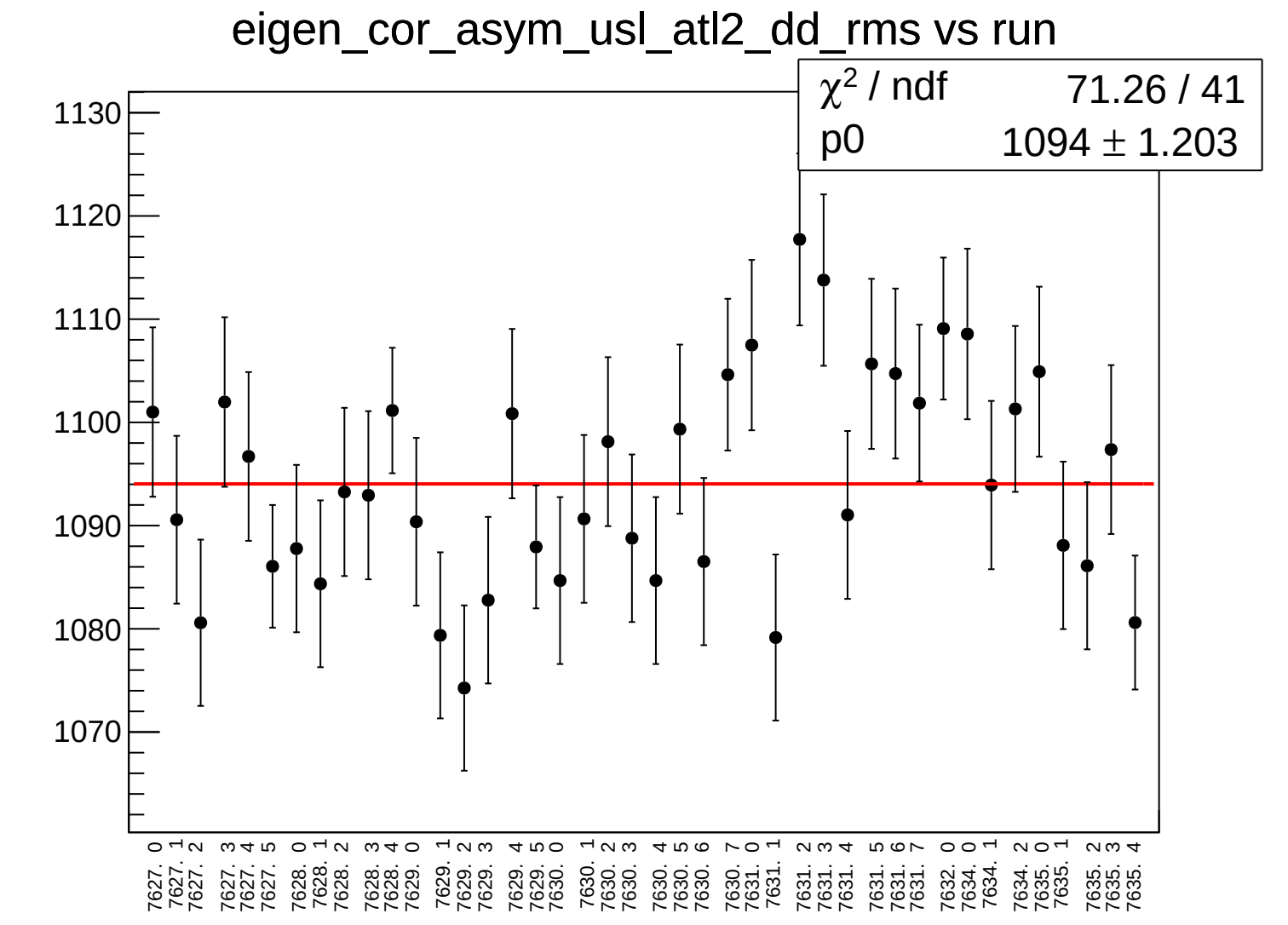
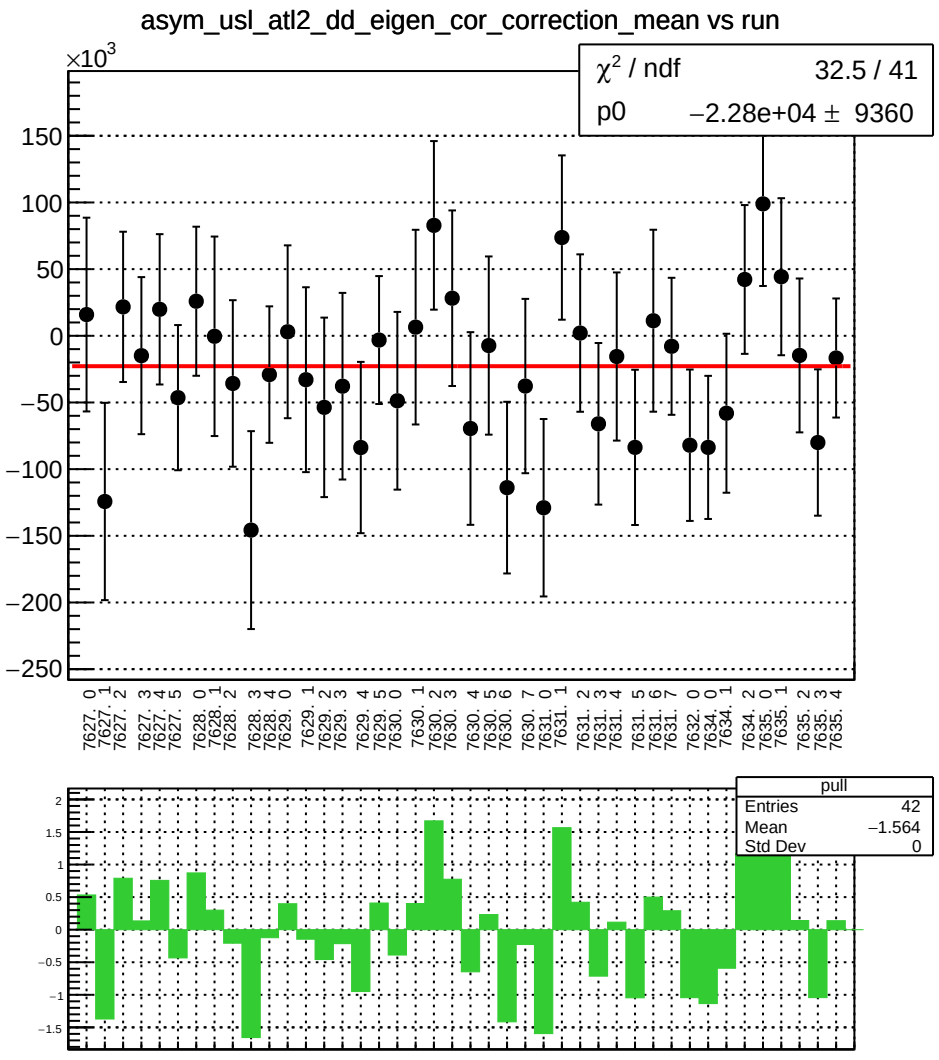
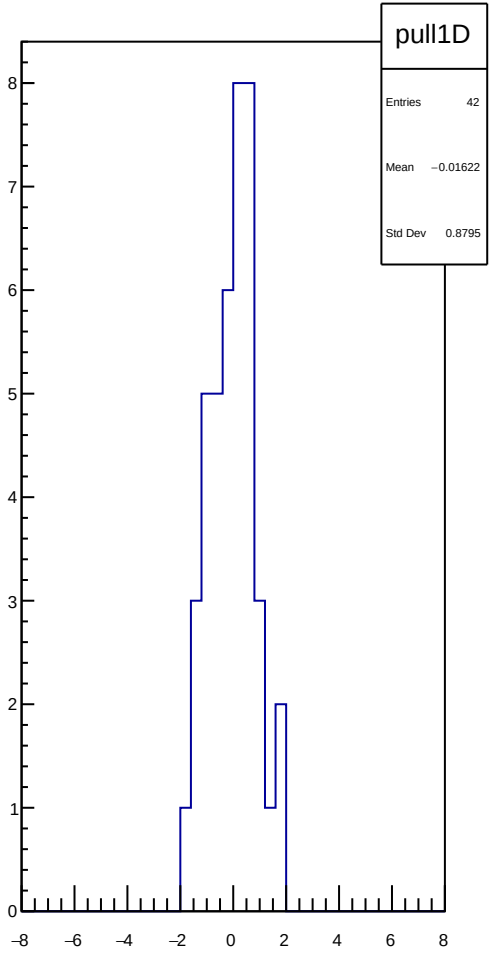
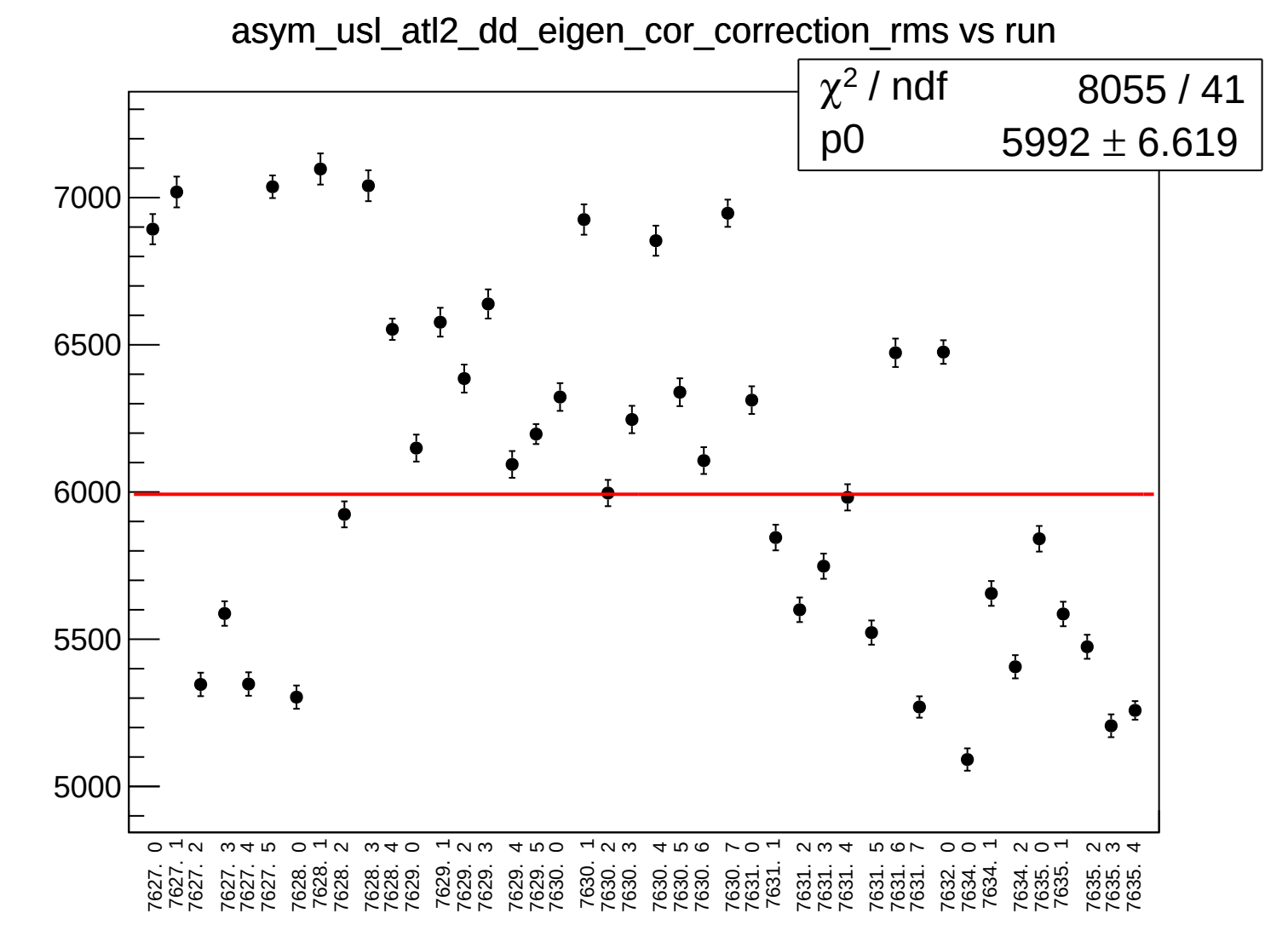
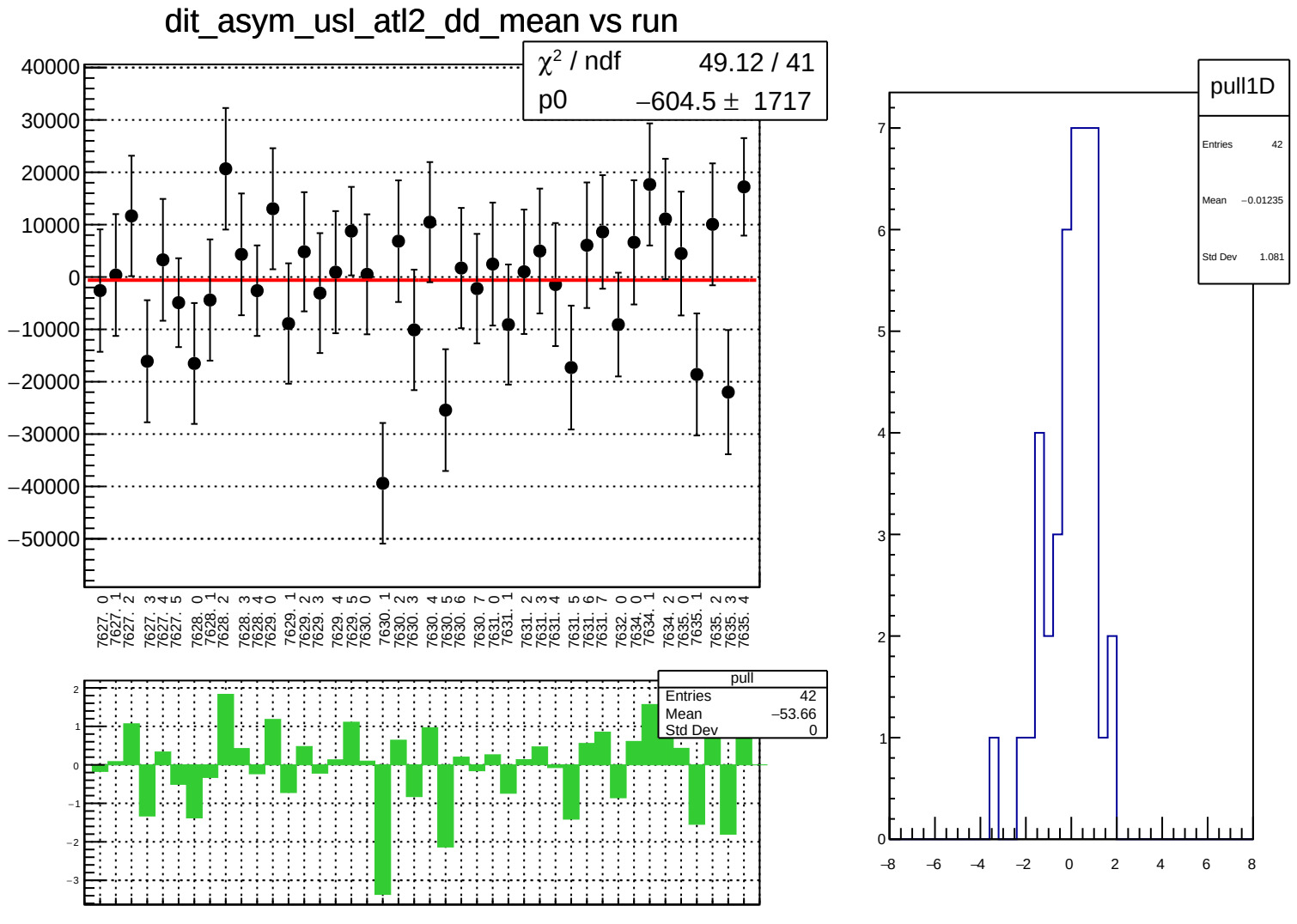
2
4
6
8

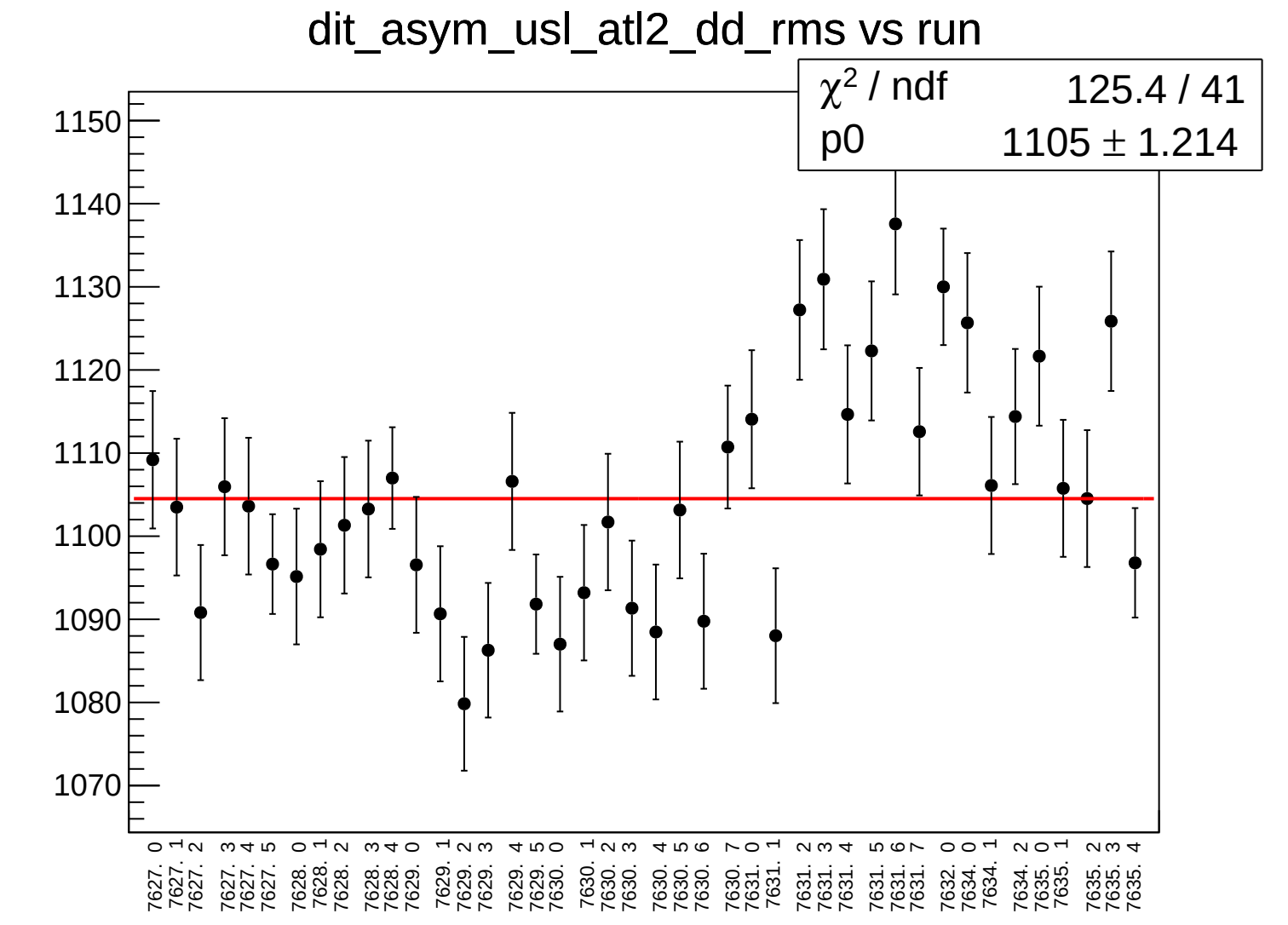

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 71.26 / 41
p0 1094 ± 1.203
1130
1120
1110
1100
1090
1080
1070
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.5 / 41
p0 −2.28e+04 ± 9360
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.564
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01622
Std Dev 0.8795
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 8055 / 41
p0 5992 ± 6.619
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 49.12 / 41
p0 −604.5 ± 1717
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −53.66
Std Dev 0
pull1D
Entries 42
Mean −0.01235
Std Dev 1.081


dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 125.4 / 41
p0 1105 ± 1.214
1150
1140
1130
1120
1110
1100
1090
1080
1070
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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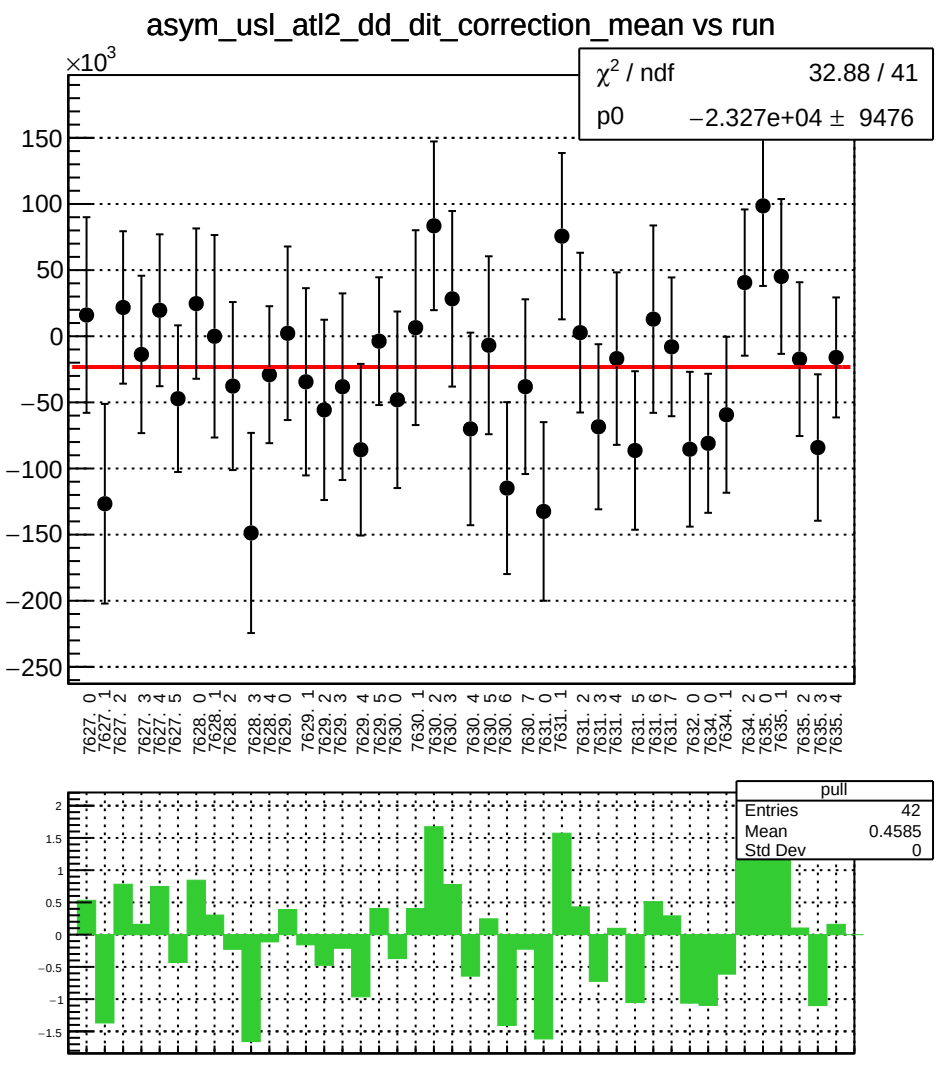
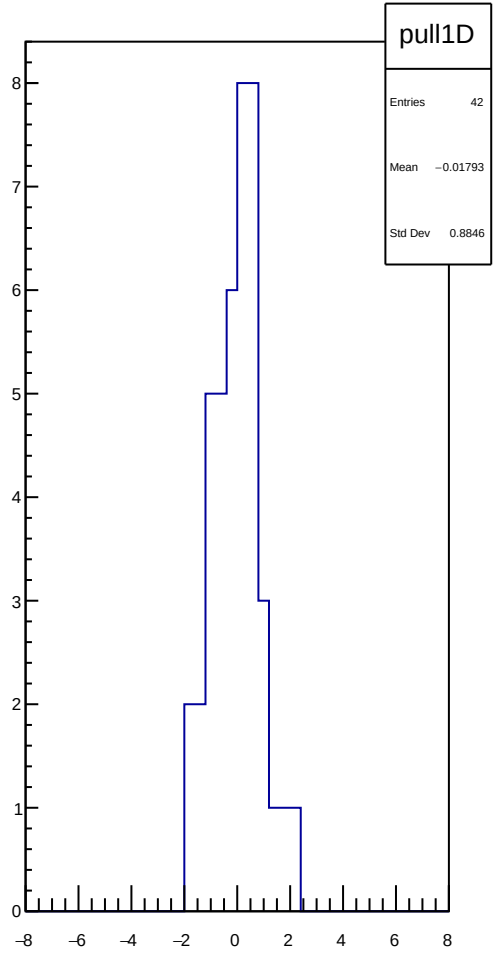
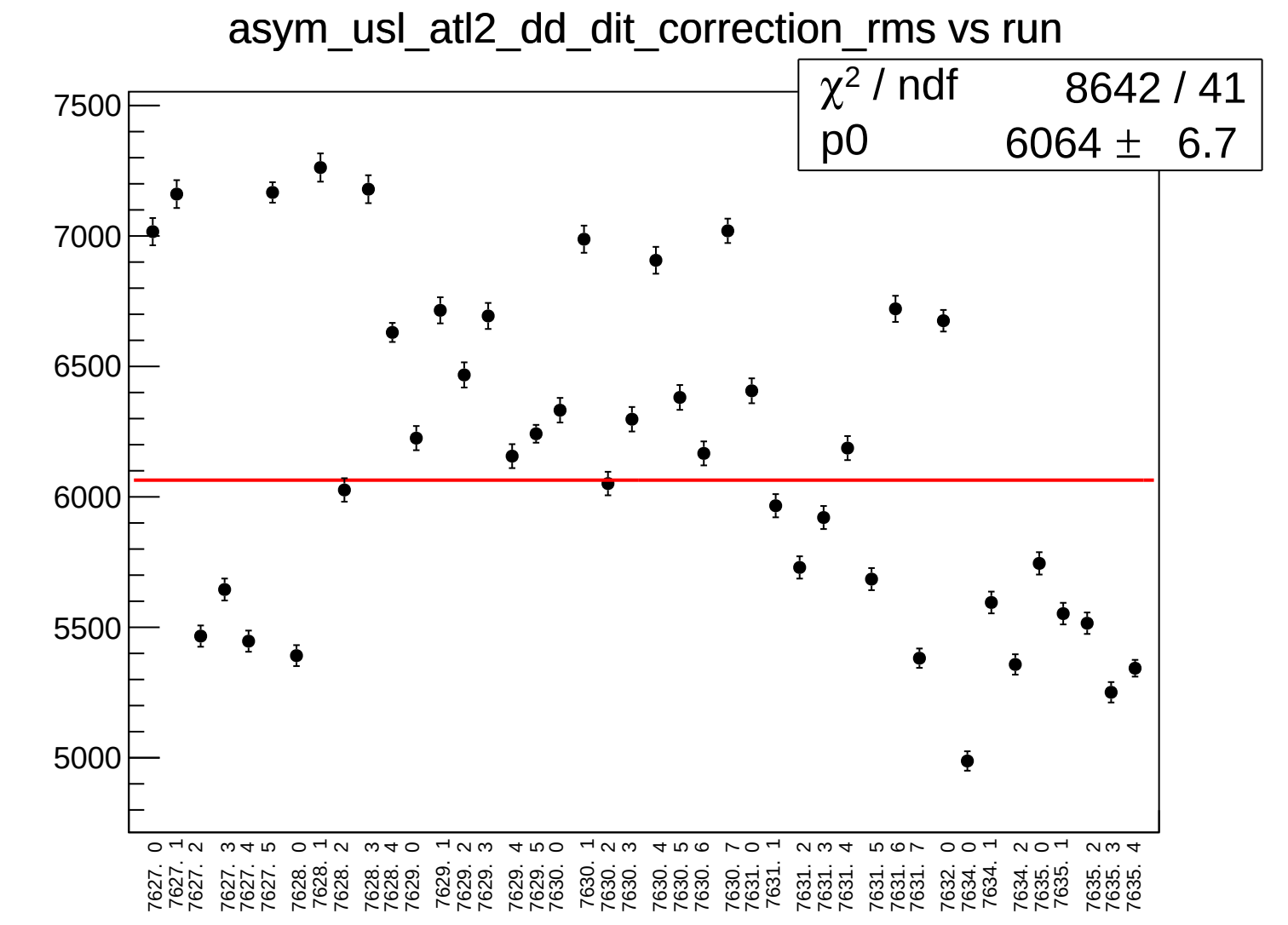
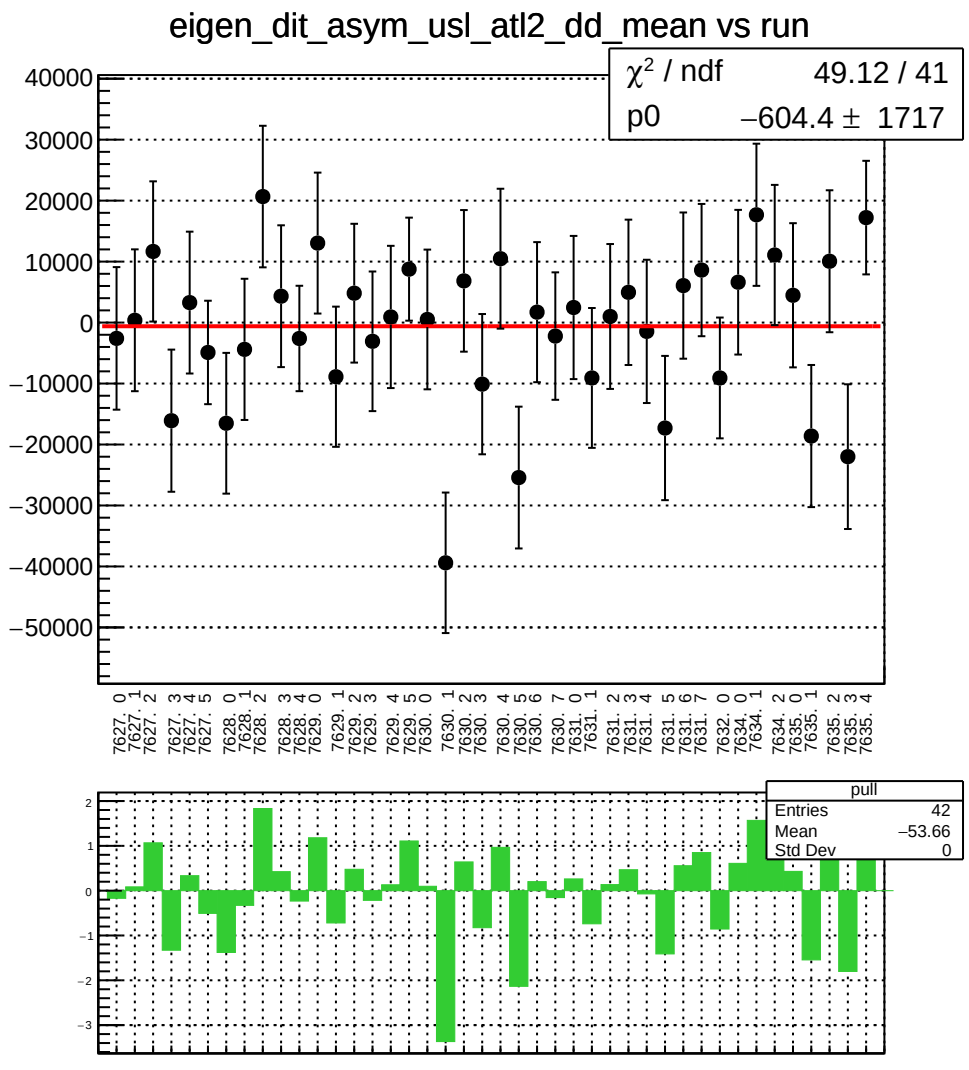
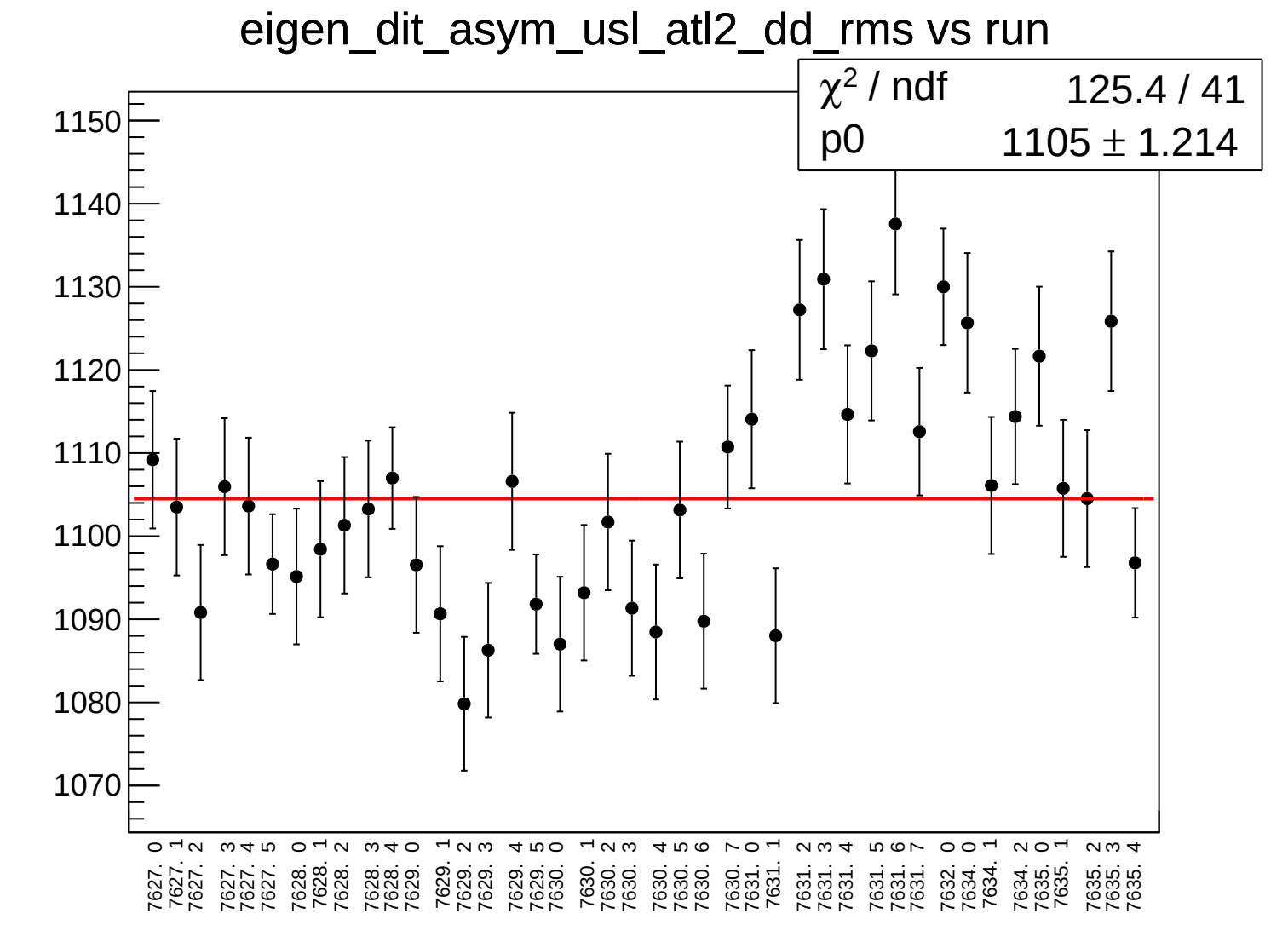
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

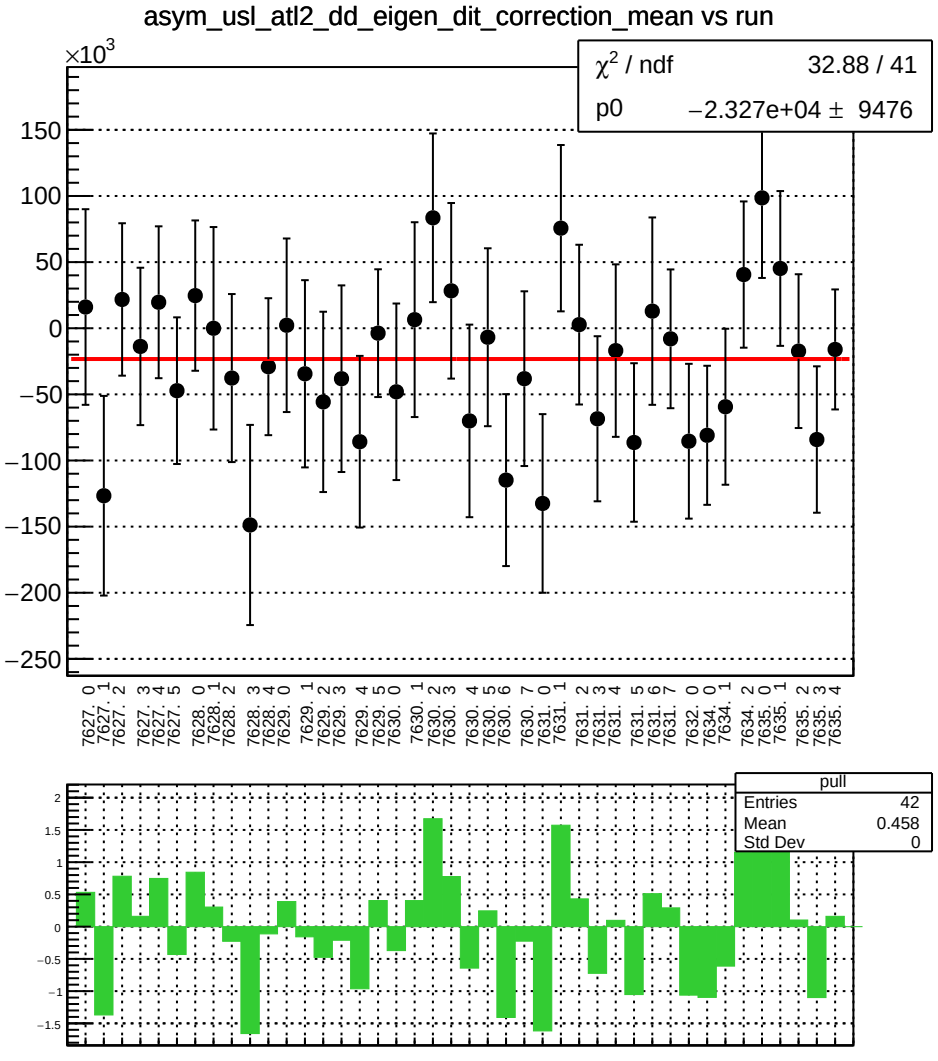

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 32.88 / 41
p0 −2.327e+04 ± 9476
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.4585
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

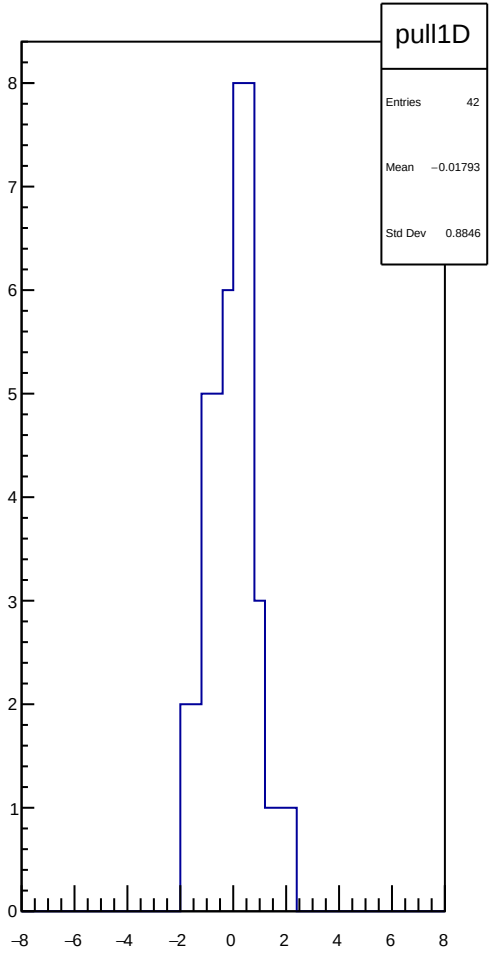

pull1D
Entries 42
Mean −0.01793
Std Dev 0.8846
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

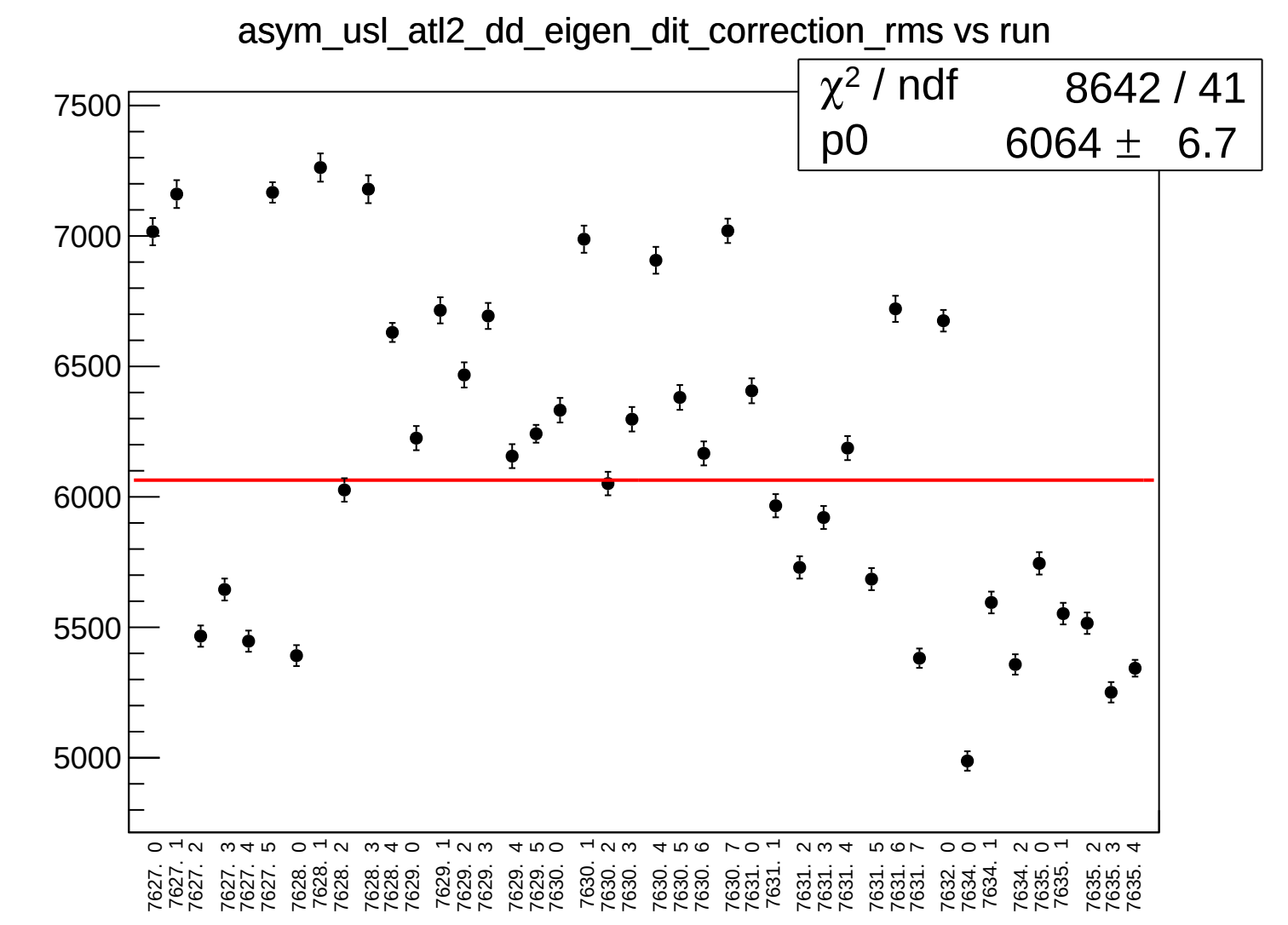

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 8642 / 41
p0 6064 ± 6.7
7500
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

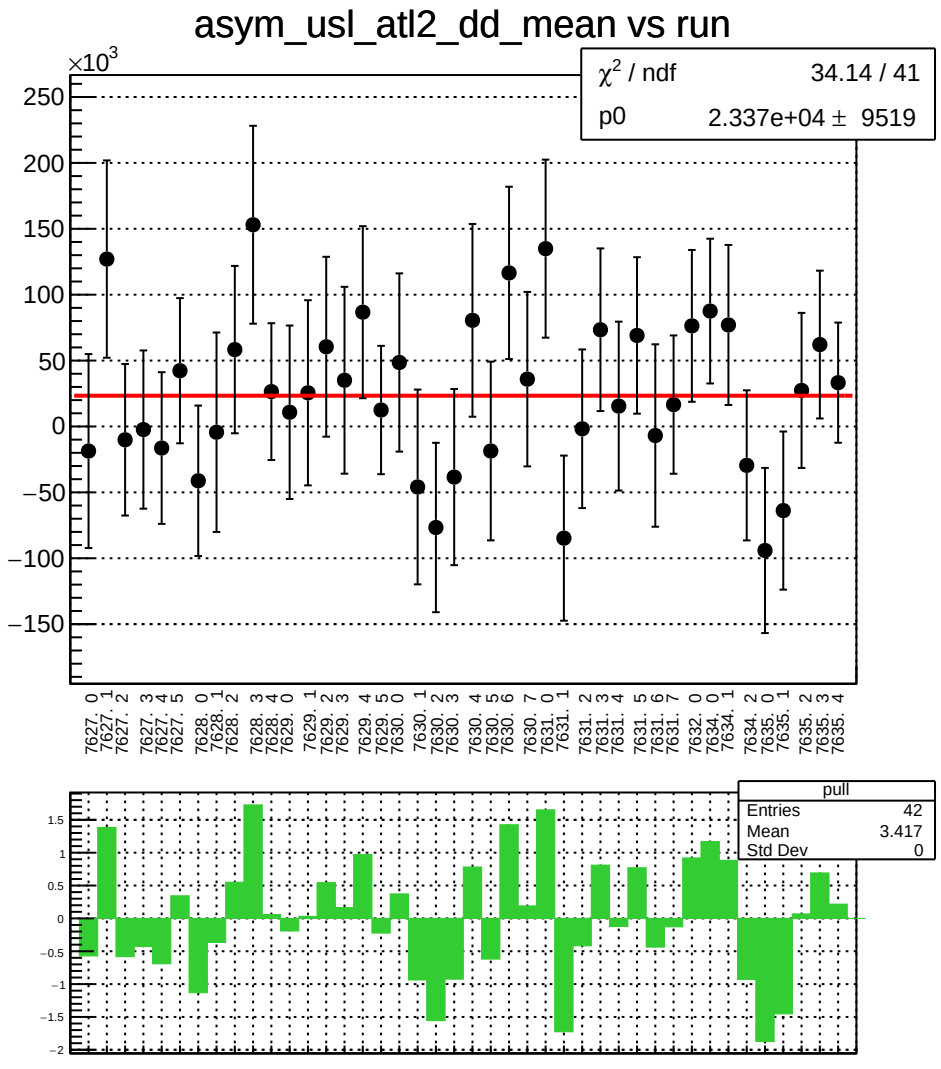

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 49.12 / 41
p0 −604.4 ± 1717
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −53.66
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.01235
Std Dev 1.081
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

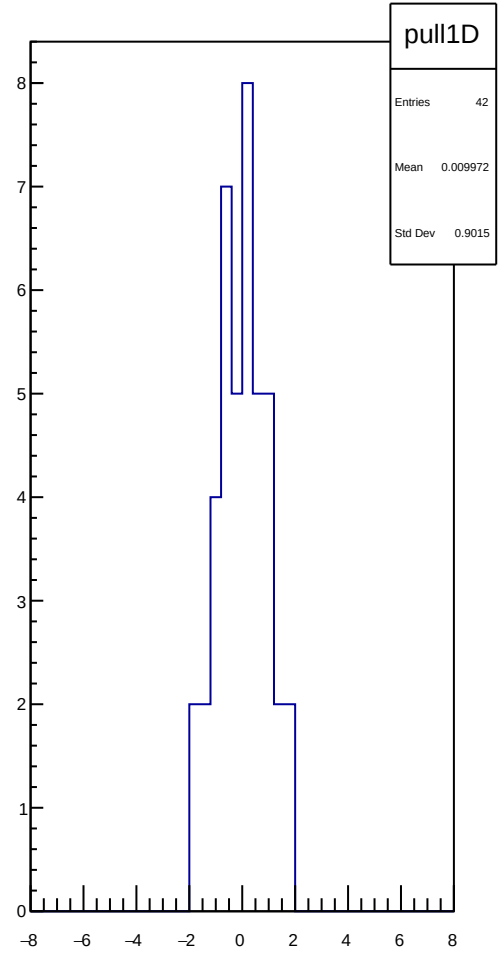

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 125.4 / 41
p0 1105 ± 1.214
1150
1140
1130
1120
1110
1100
1090
1080
1070
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

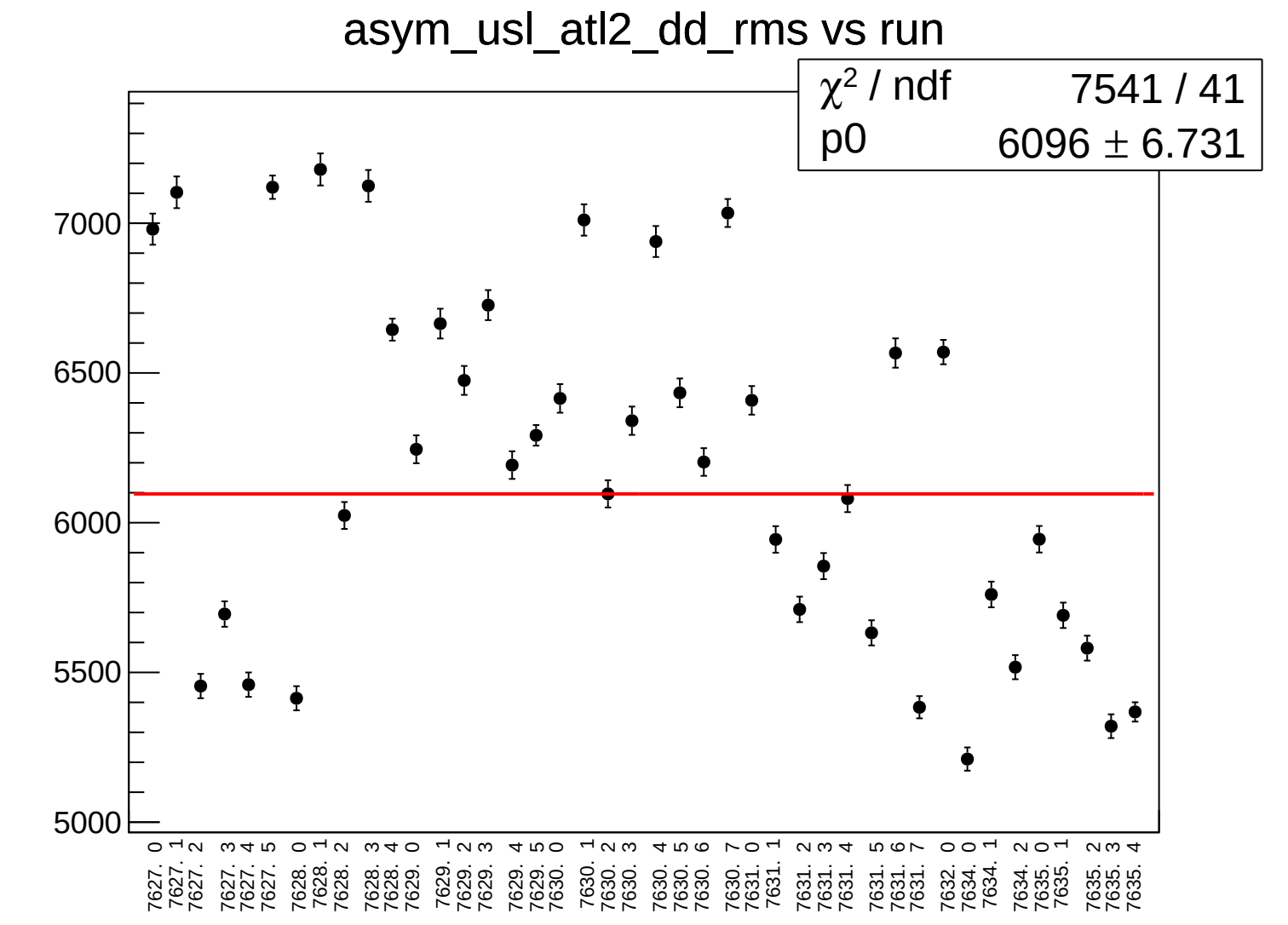

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.88 / 41
p0 −2.327e+04 ± 9476
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.458
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

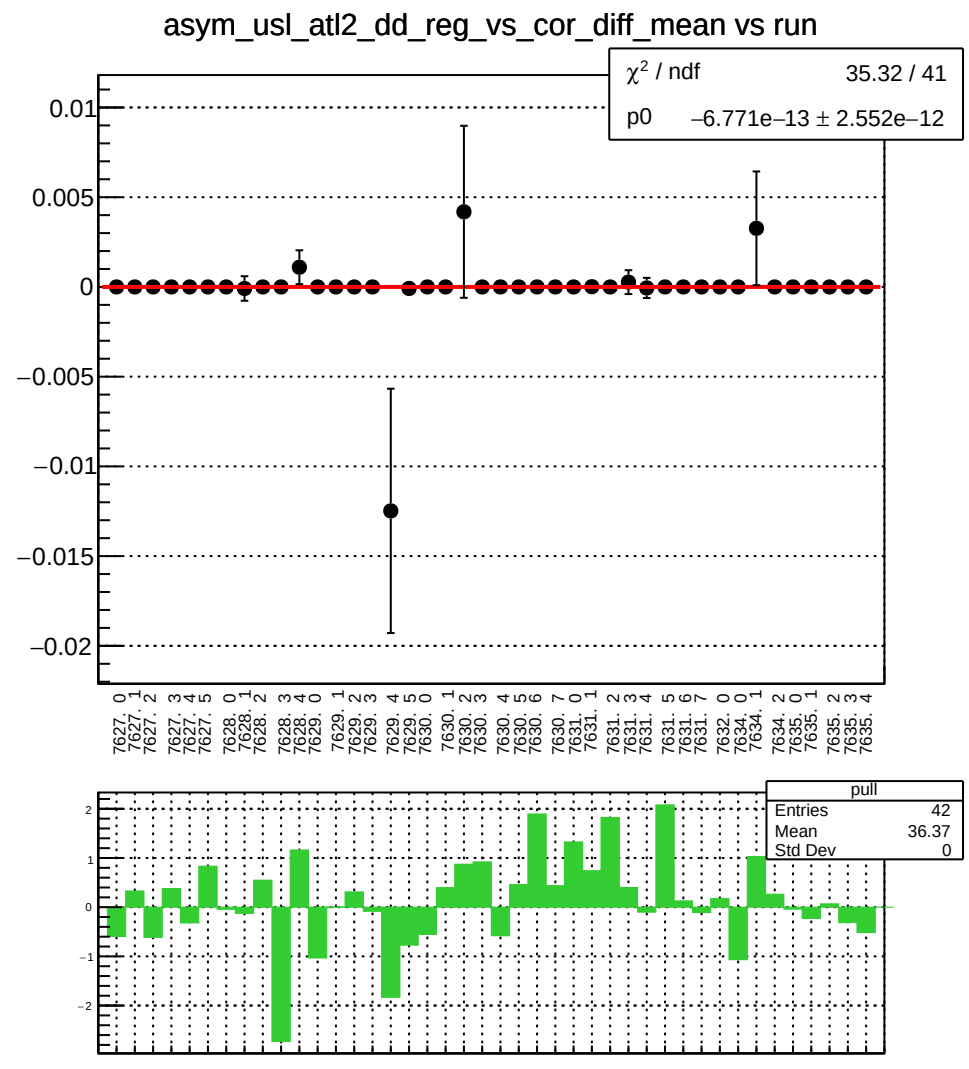

pull1D
Entries 42
Mean −0.01793
Std Dev 0.8846
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

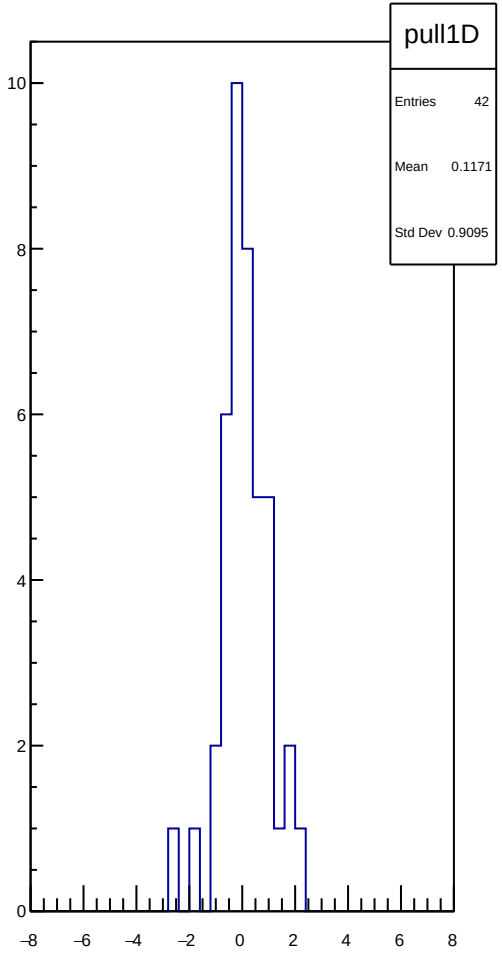

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 8642 / 41
p0 6064 ± 6.7
7500
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

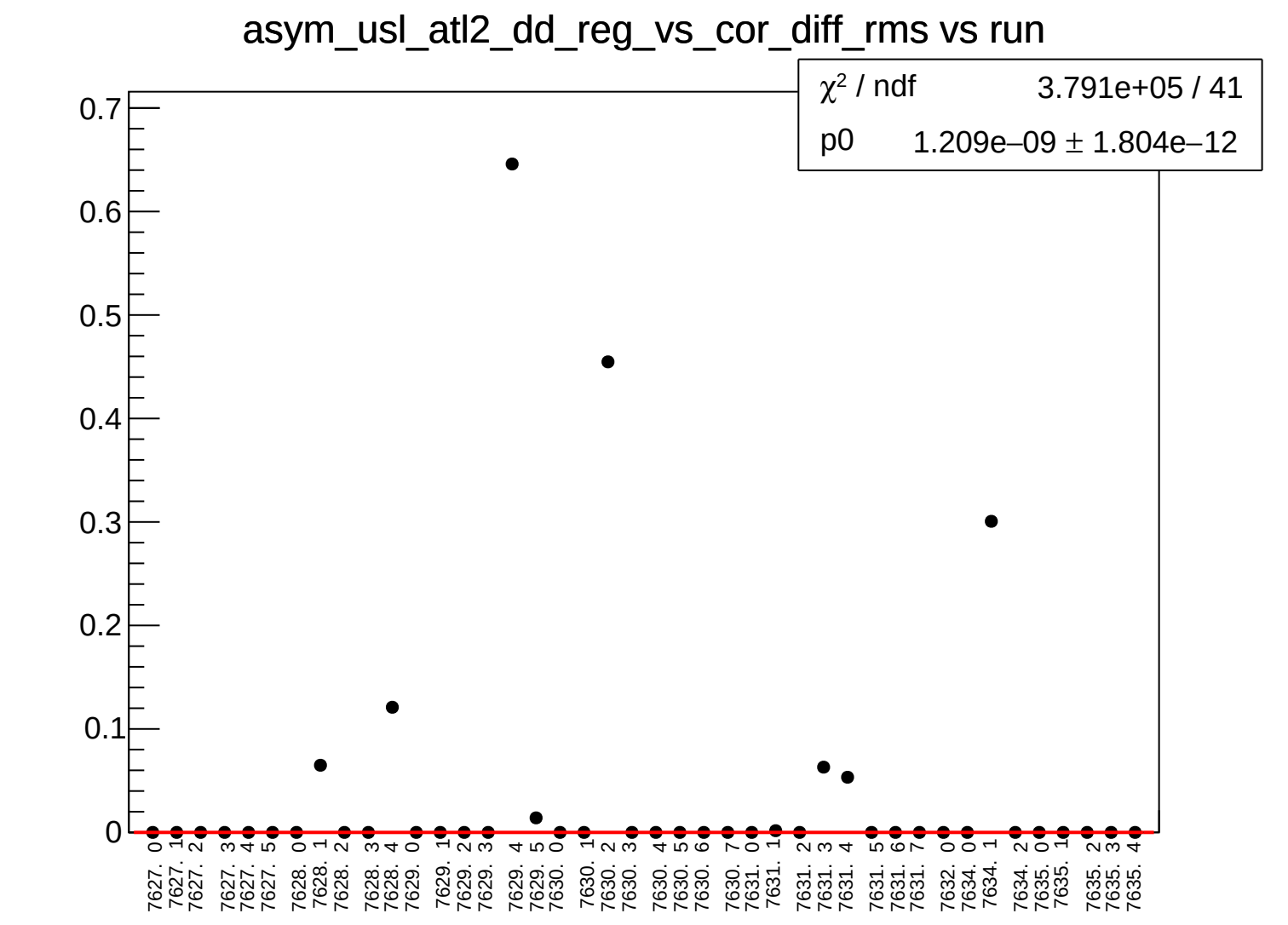

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 34.14 / 41
p0 2.337e+04 ± 9519
250
200
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.417
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

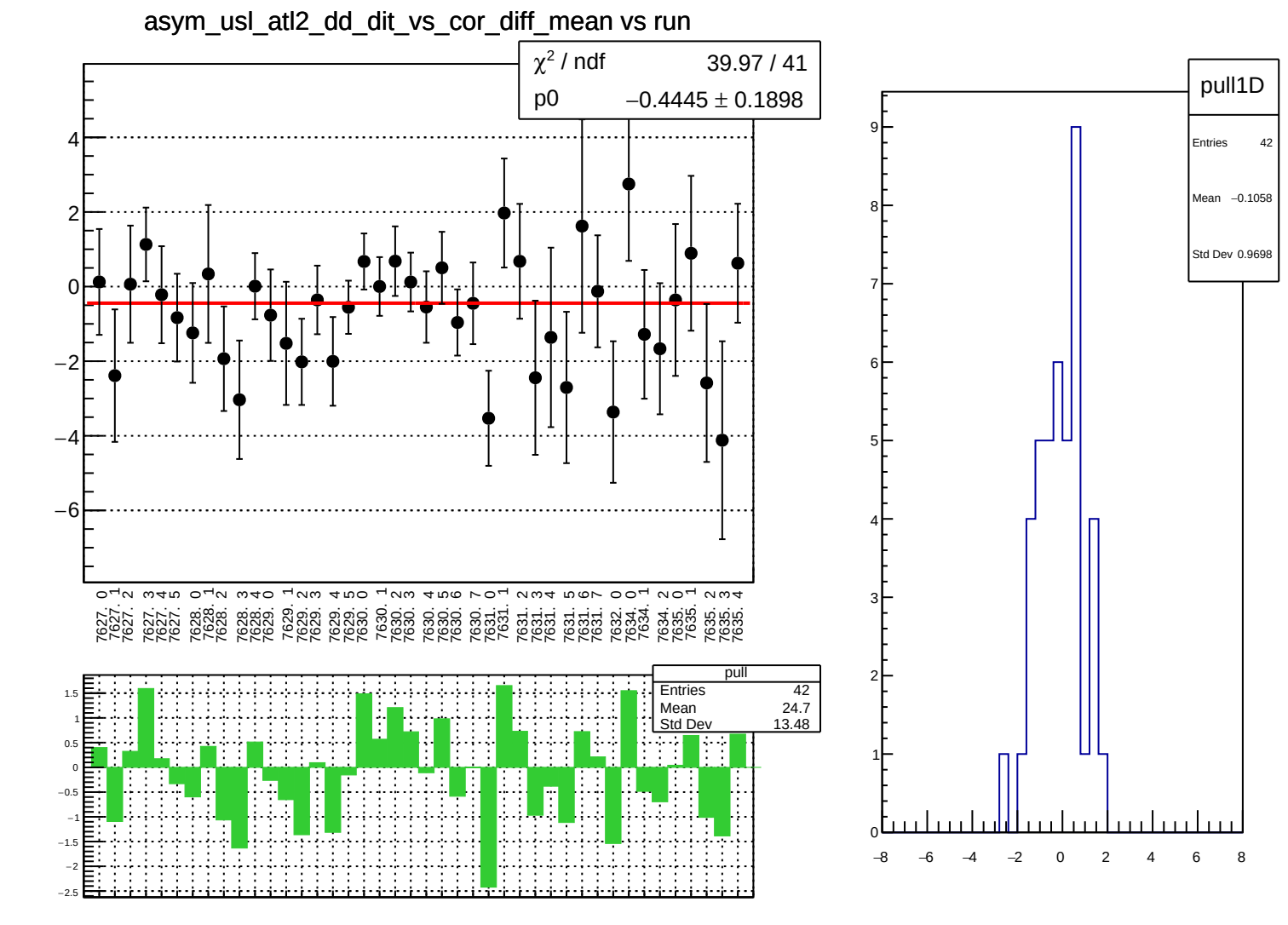

pull1D
Entries 42
Mean 0.009972
Std Dev 0.9015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

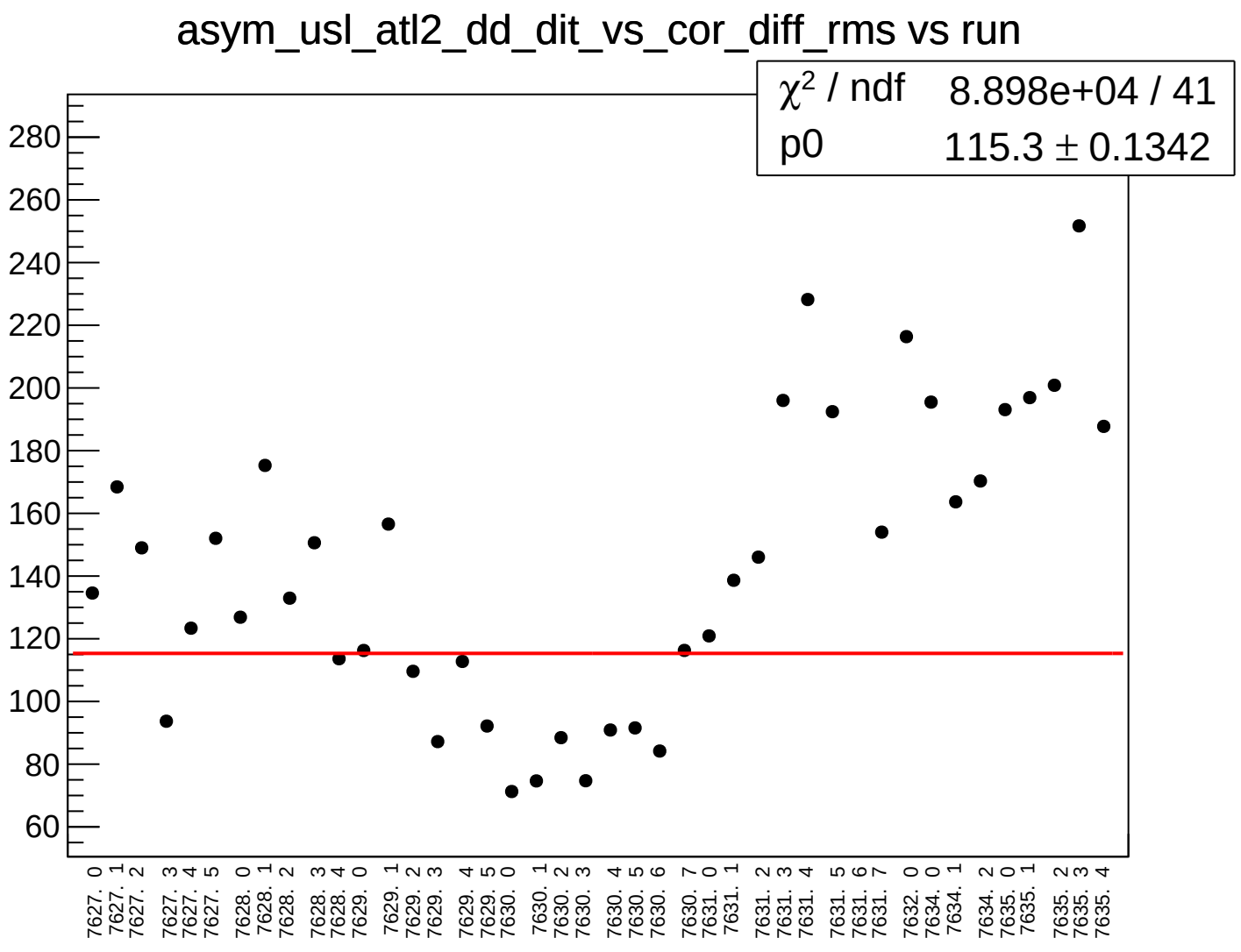

asym_usl_atl2_dd_rms vs run
χ² / ndf 7541 / 41
p0 6096 ± 6.731
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

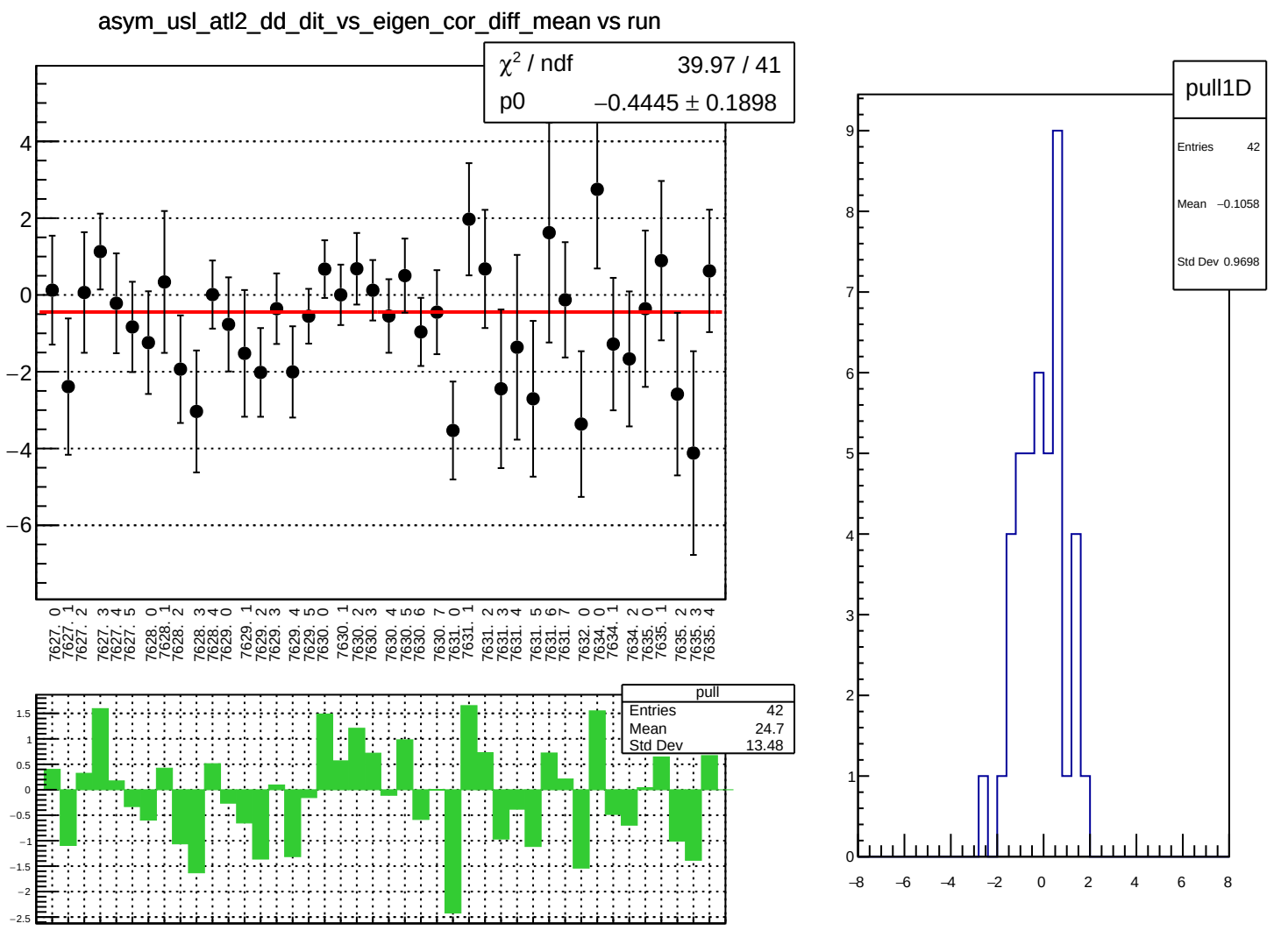

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.32 / 41
p0 −6.771e−13 ± 2.552e−12
pull
Entries 42
Mean 36.37
Std Dev 0

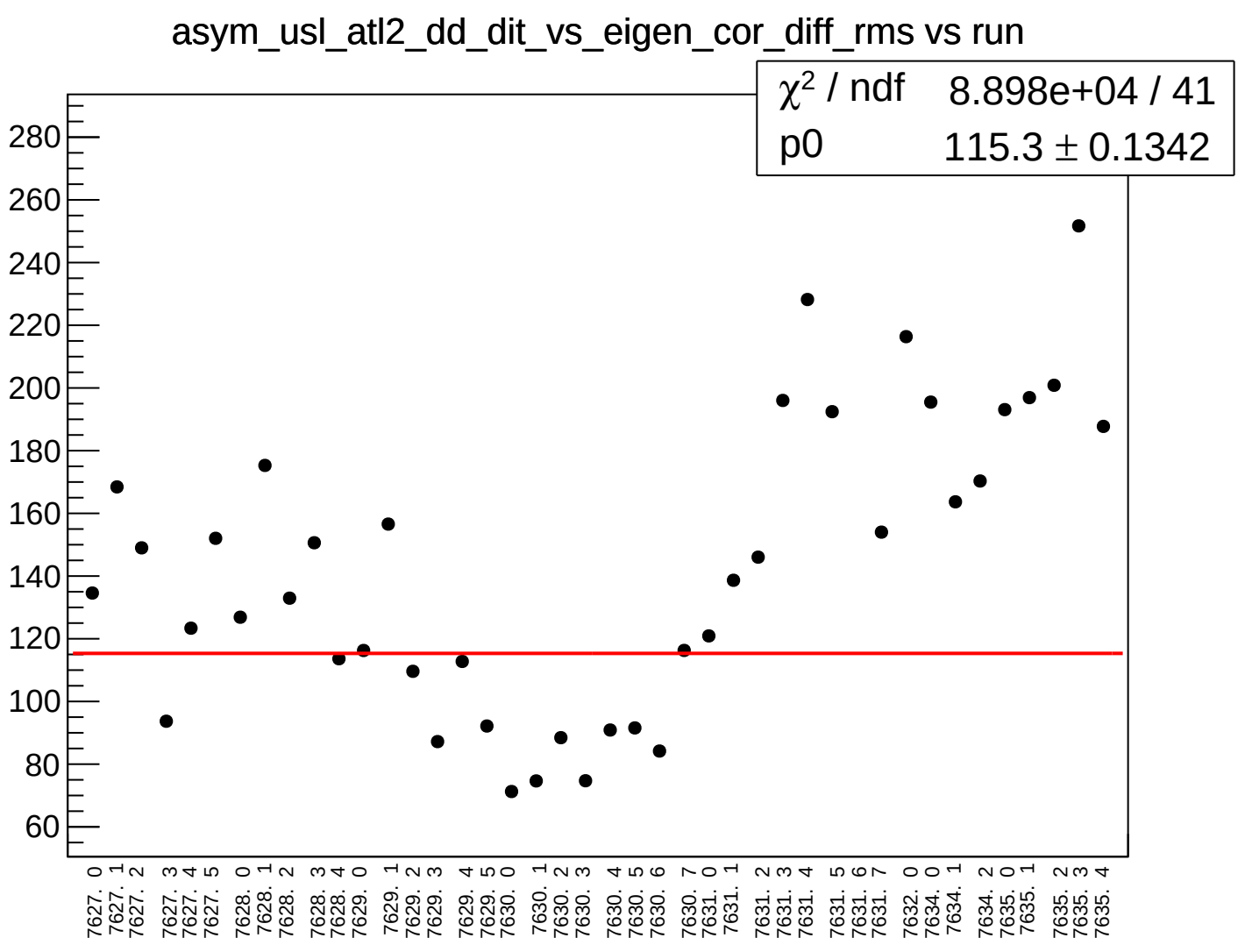

pull1D
Entries 42
Mean 0.1171
Std Dev 0.9095

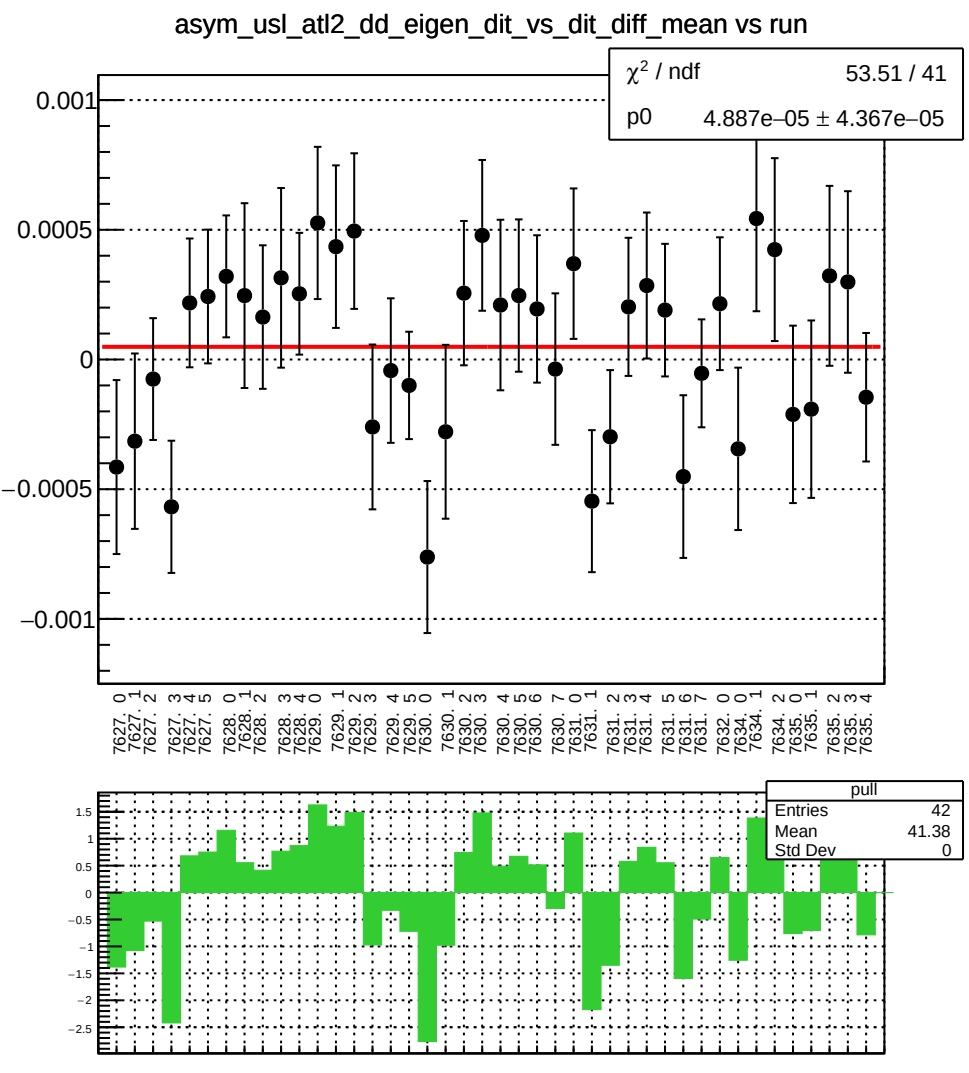

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.791e+05 / 41
p0 1.209e−09 ± 1.804e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

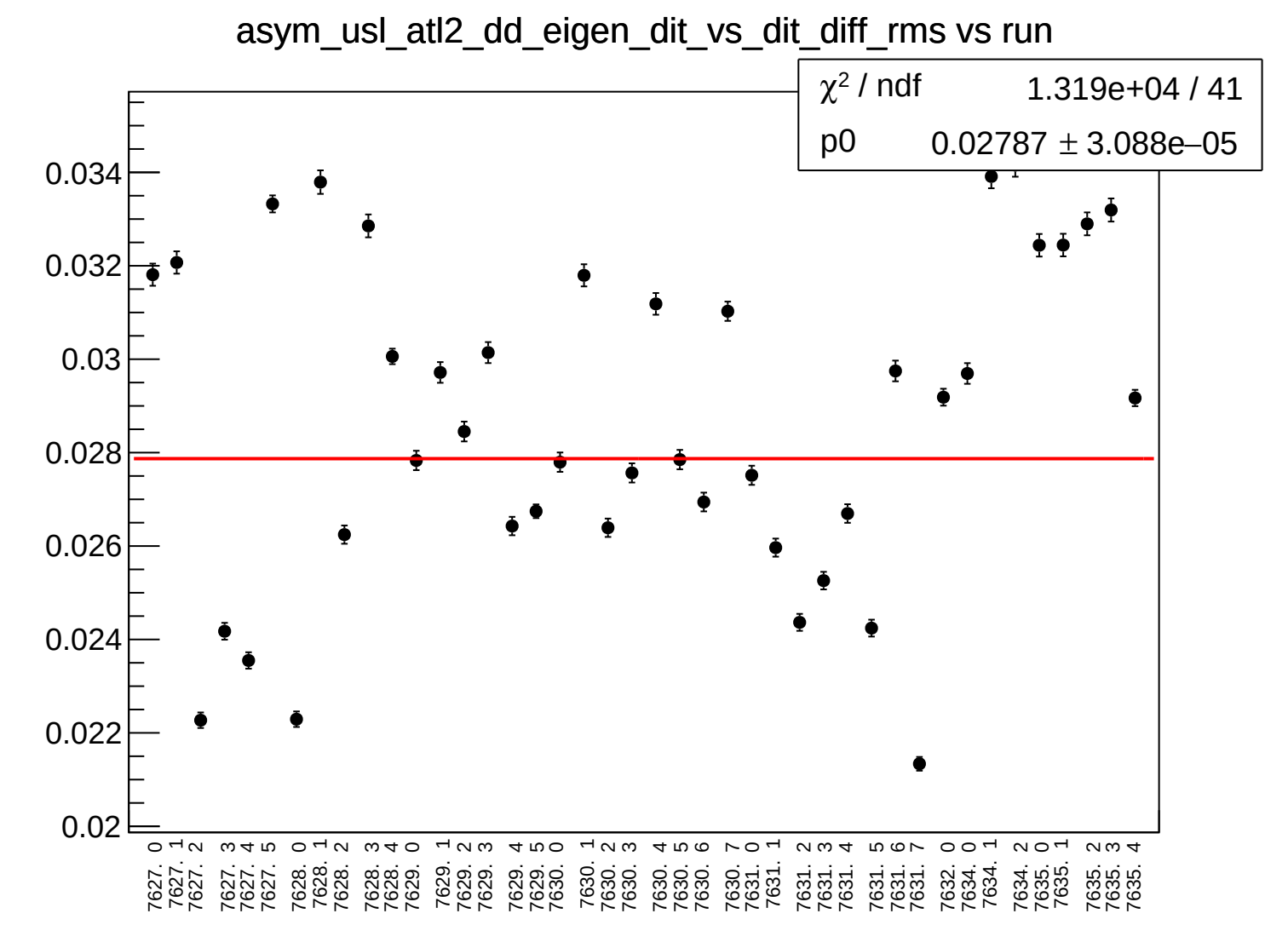

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.97 / 41
p0 −0.4445 ± 0.1898
pull
Entries 42
Mean 24.7
Std Dev 13.48
pull1D
Entries 42
Mean −0.1058
Std Dev 0.9698

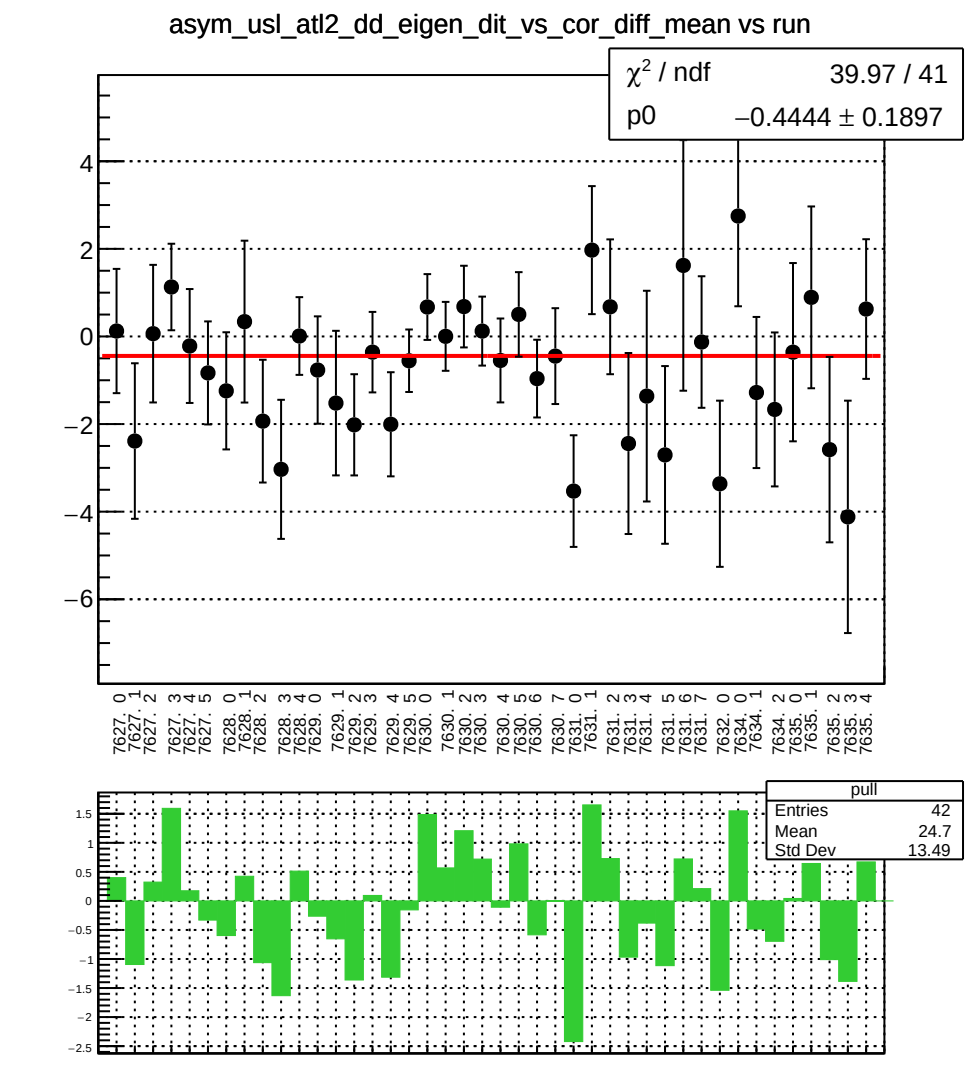

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.898e+04 / 41
p0 115.3 ± 0.1342
280
260
240
220
200
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

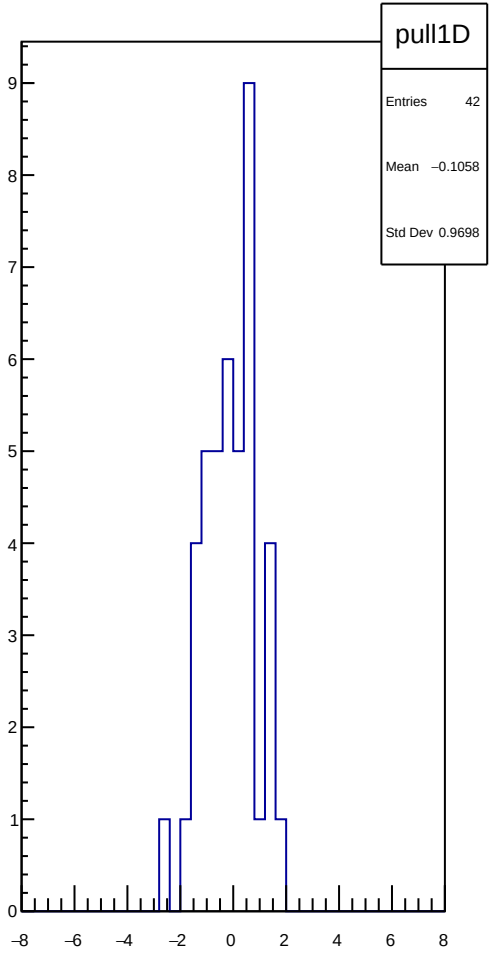

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.97 / 41
p0 −0.4445 ± 0.1898
pull
Entries 42
Mean 24.7
Std Dev 13.48
pull1D
Entries 42
Mean −0.1058
Std Dev 0.9698

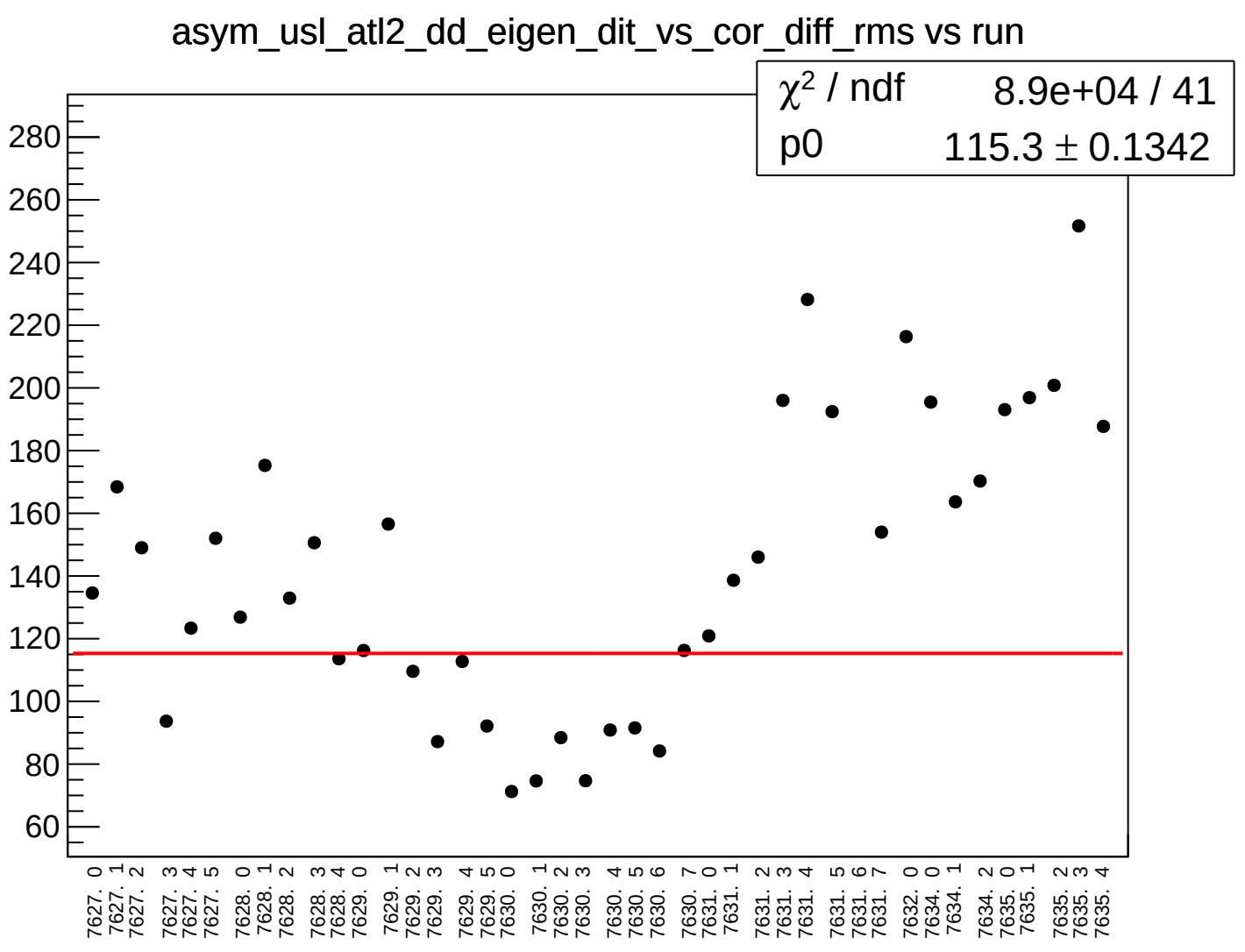

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.898e+04 / 41
p0 115.3 ± 0.1342
280
260
240
220
200
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

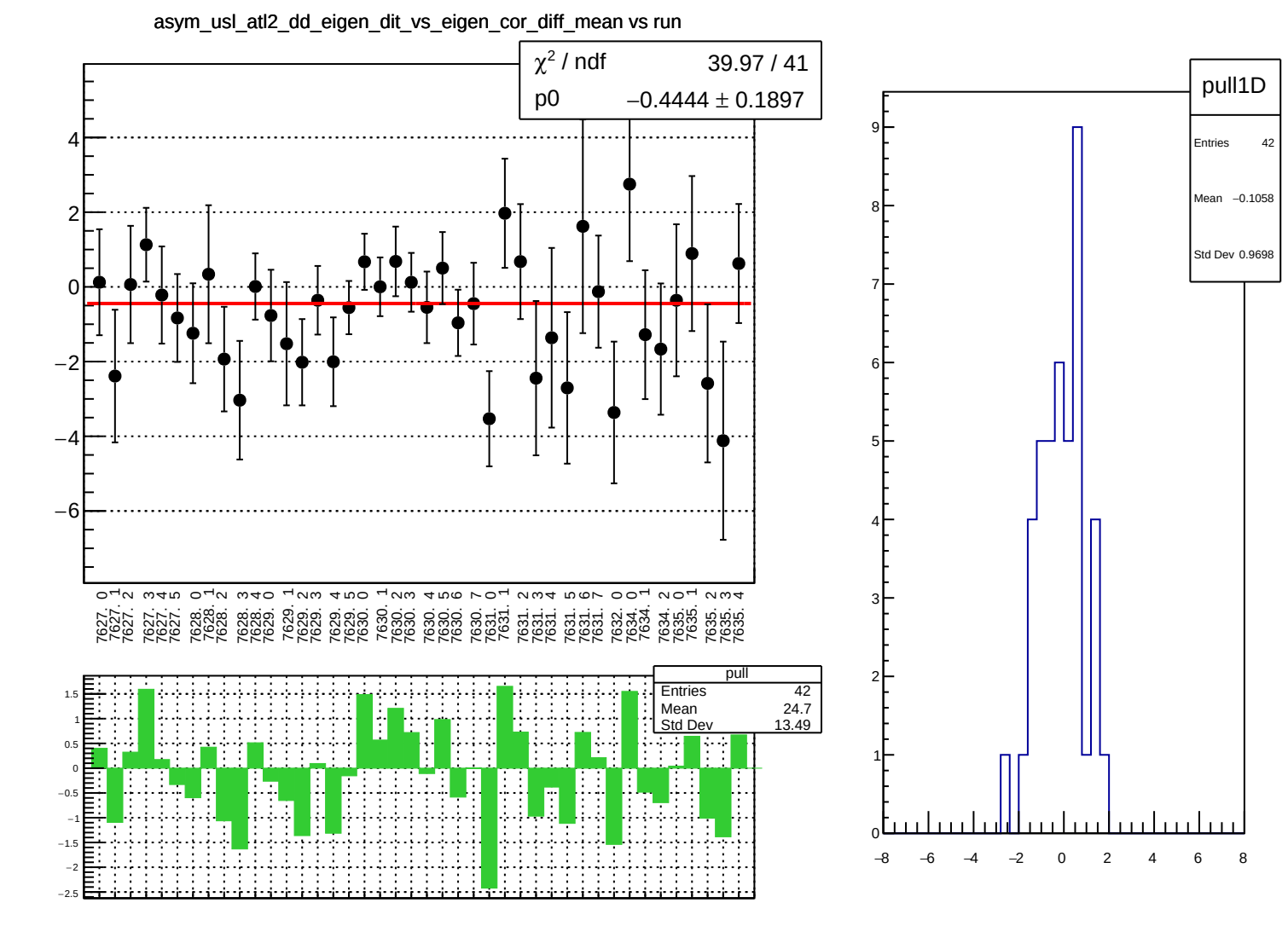

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.51 / 41
p0 4.887e−05 ± 4.367e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 41.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.01292
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

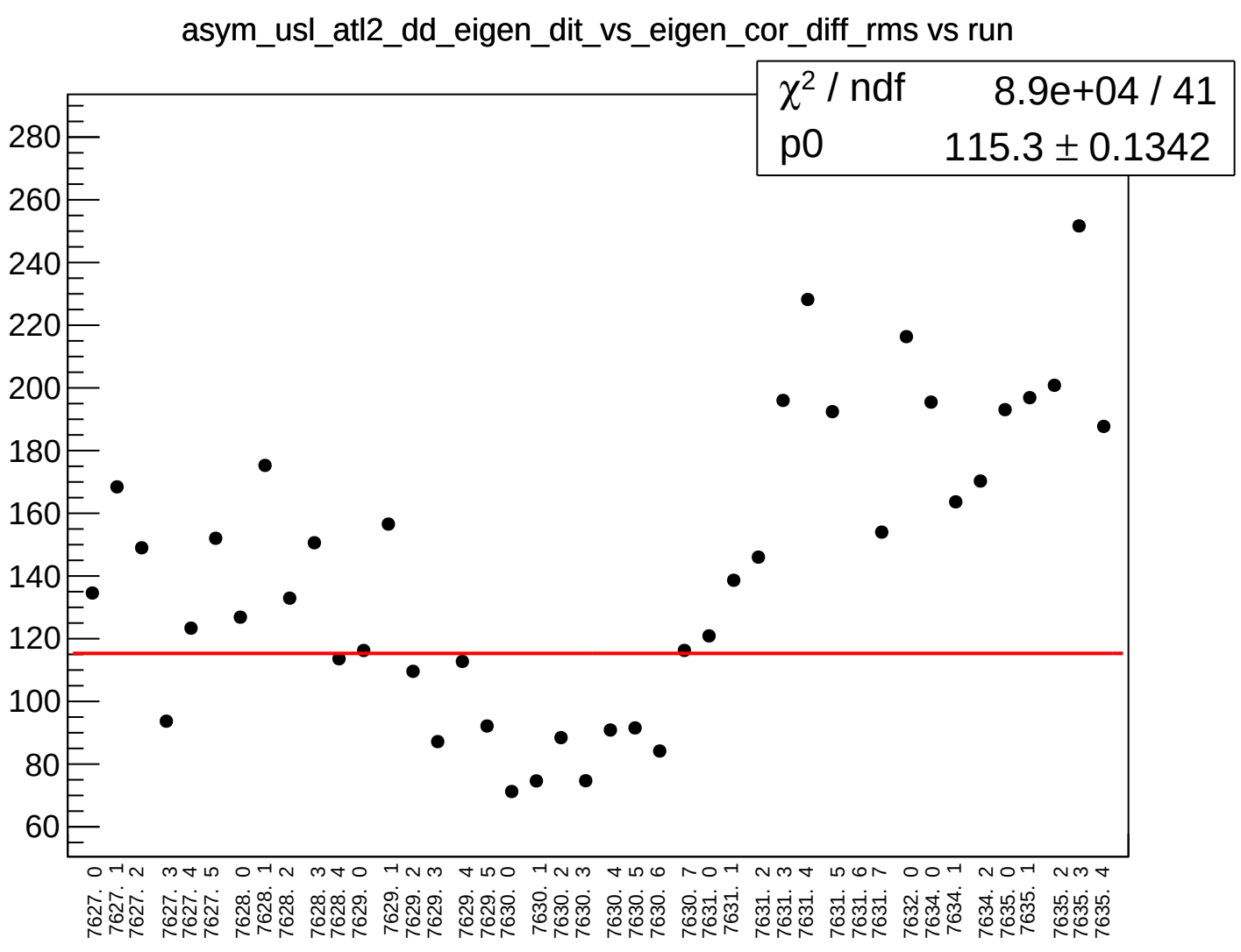

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.319e+04 / 41
p0 0.02787 ± 3.088e−05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

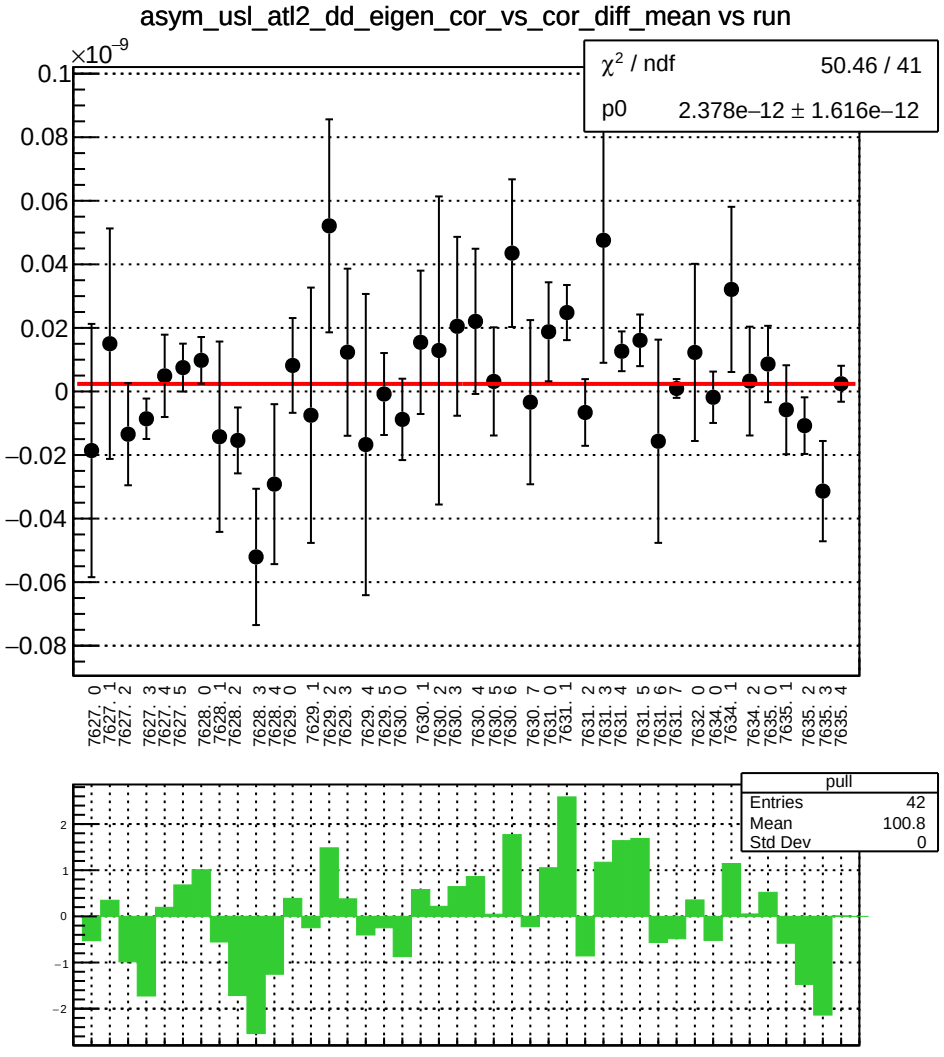

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.97 / 41
p0 −0.4444 ± 0.1897
pull
Entries 42
Mean 24.7
Std Dev 13.49

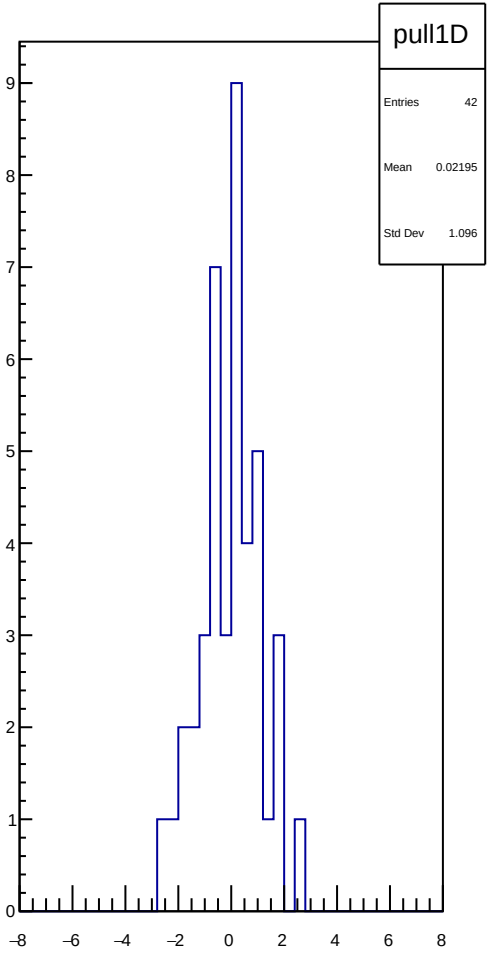

pull1D
Entries 42
Mean −0.1058
Std Dev 0.9698

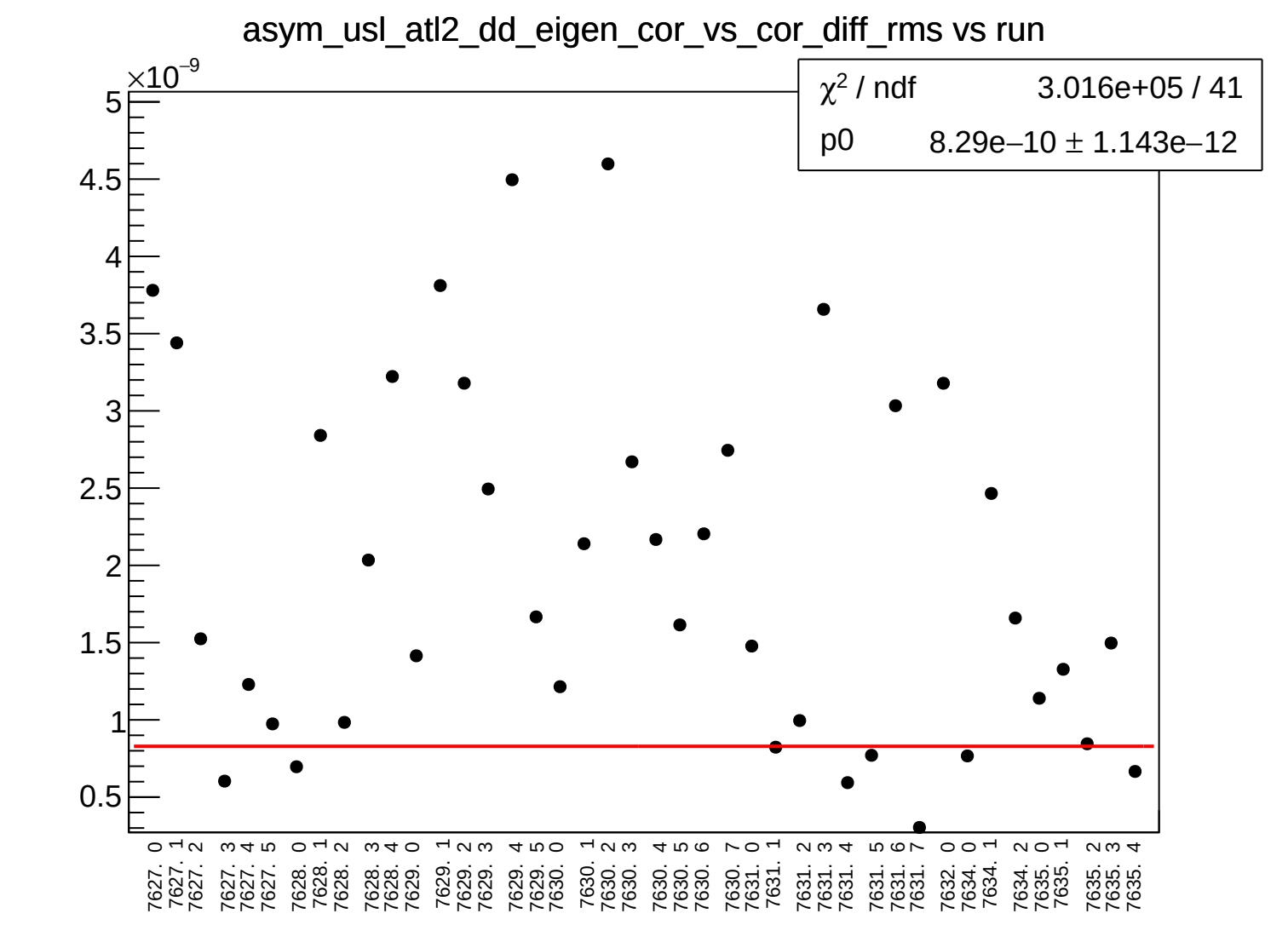

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.9e+04 / 41
p0 115.3 ± 0.1342
280
260
240
220
200
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

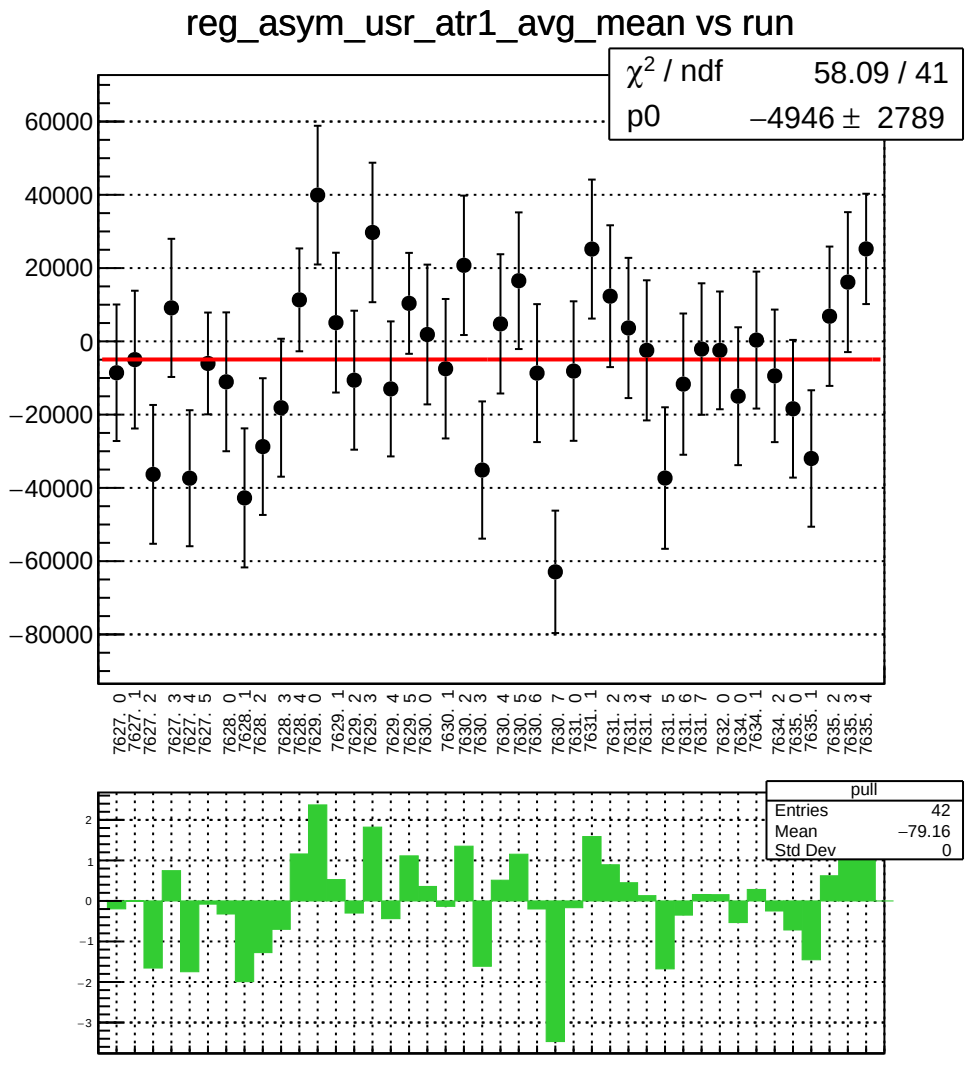

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.97 / 41
p0 −0.4444 ± 0.1897
pull
Entries 42
Mean 24.7
Std Dev 13.49
pull1D
Entries 42
Mean −0.1058
Std Dev 0.9698

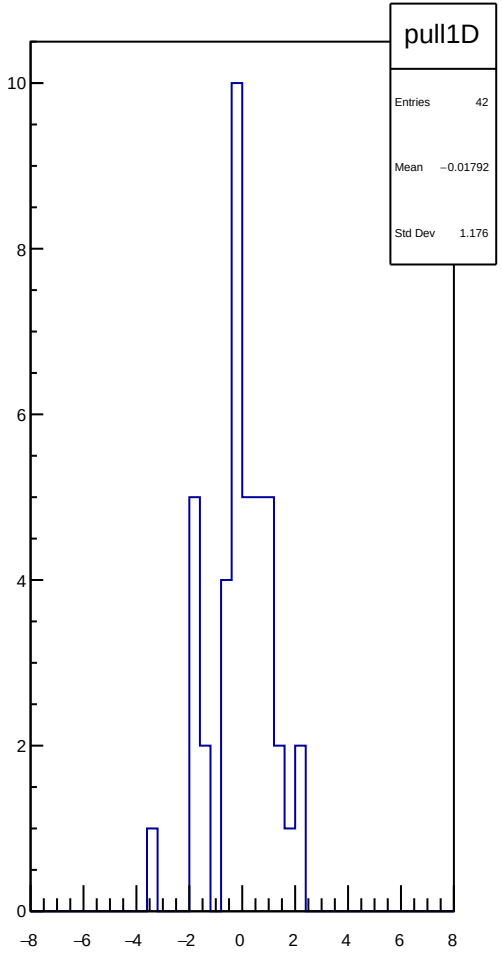

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.9e+04 / 41
p0 115.3 ± 0.1342
280
260
240
220
200
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

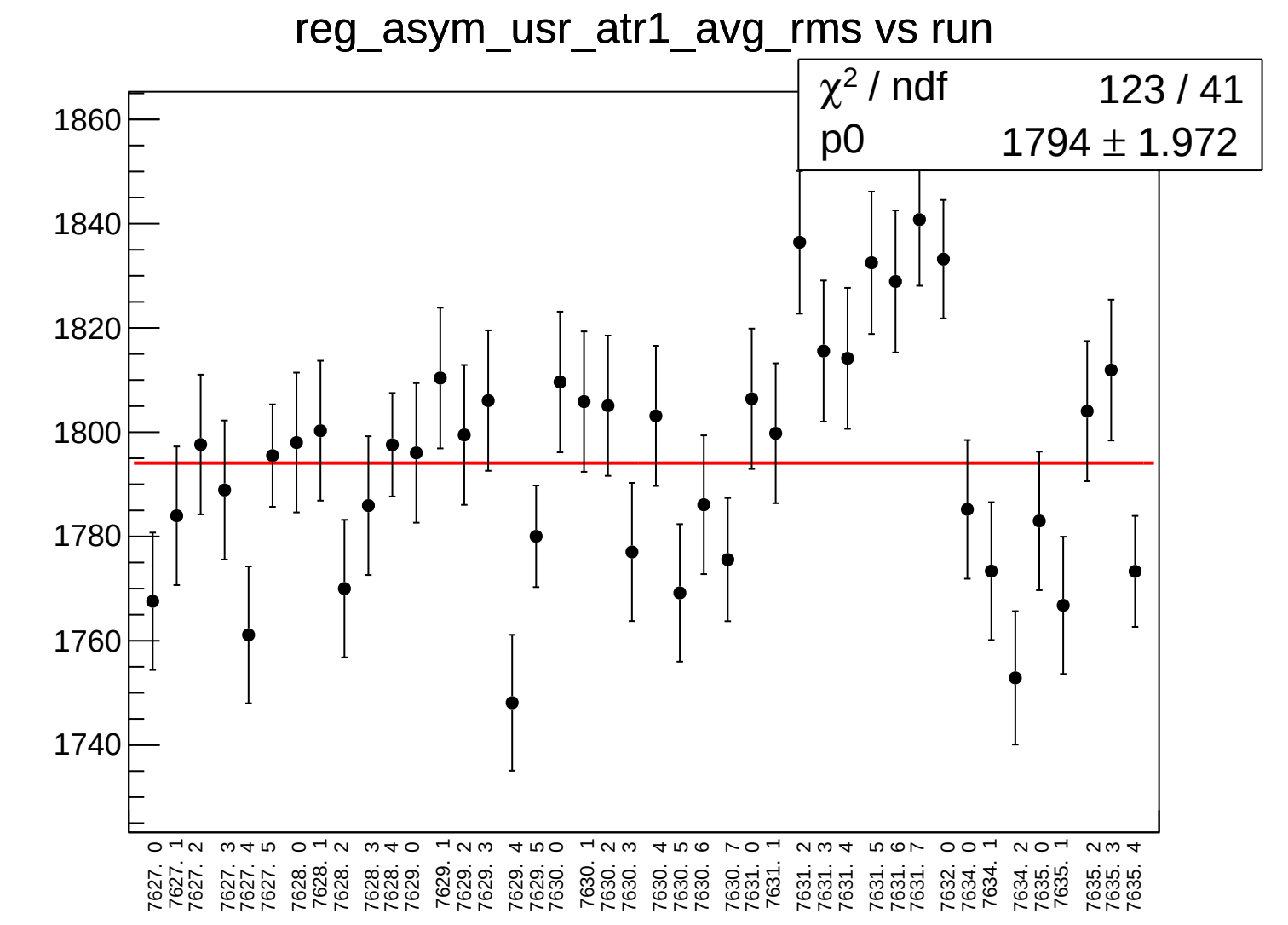

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 50.46 / 41
p0 2.378e−12 ± 1.616e−12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 100.8
Std Dev 0
2
1
0
−1
−2

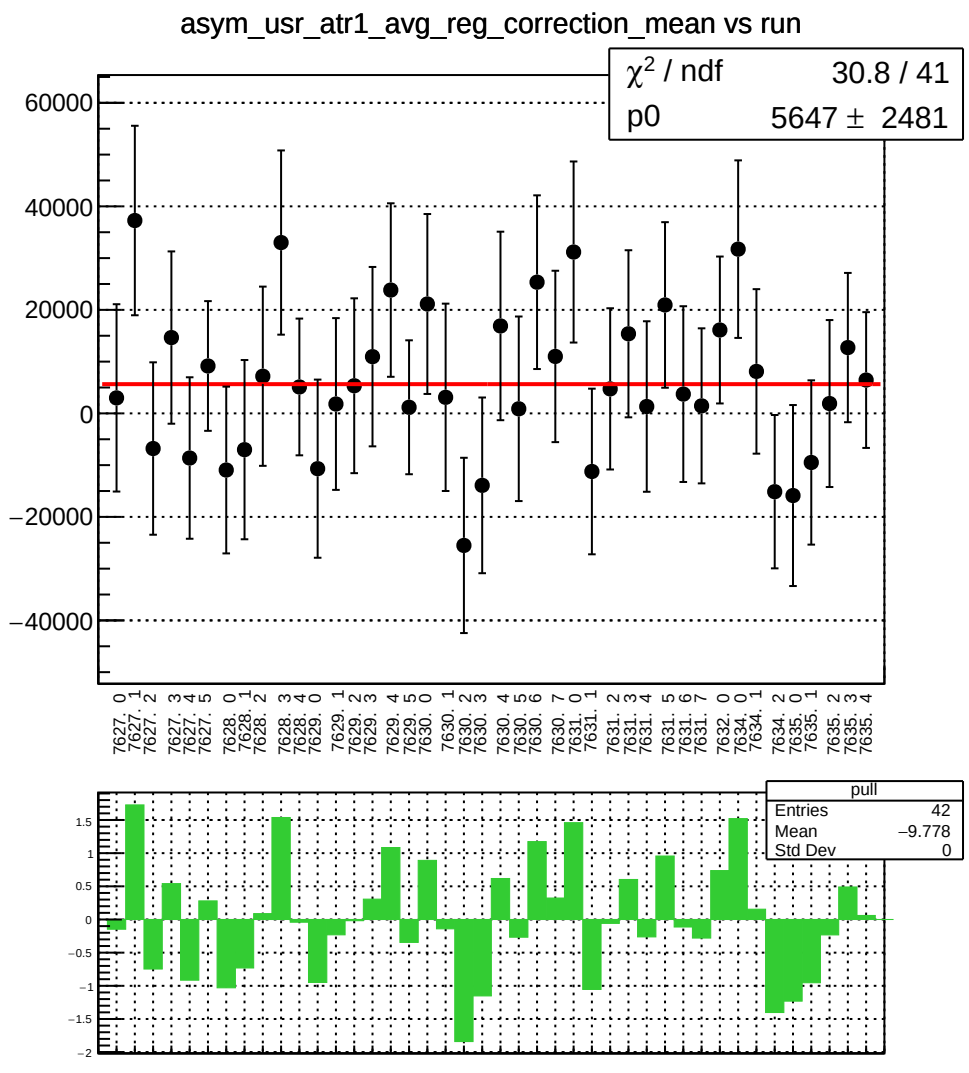

pull1D
Entries 42
Mean 0.02195
Std Dev 1.096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

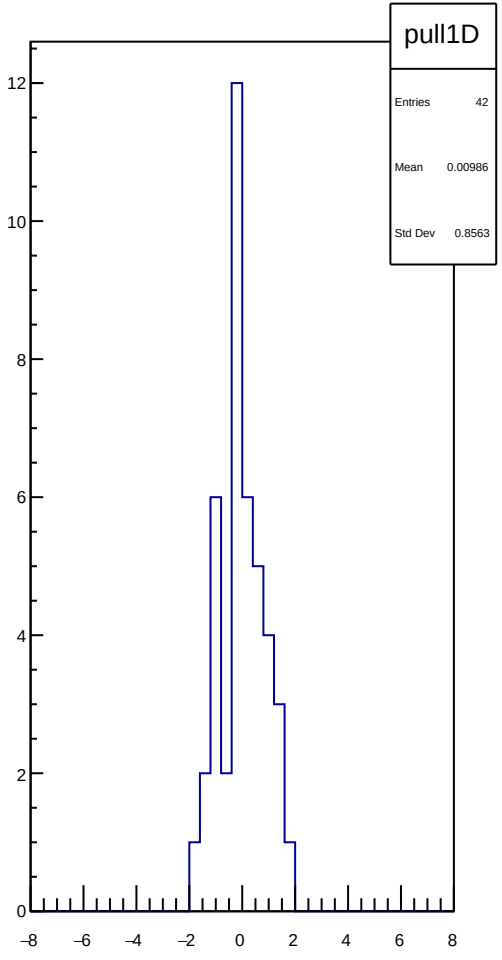

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.016e+05 / 41
p0 8.29e−10 ± 1.143e−12
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

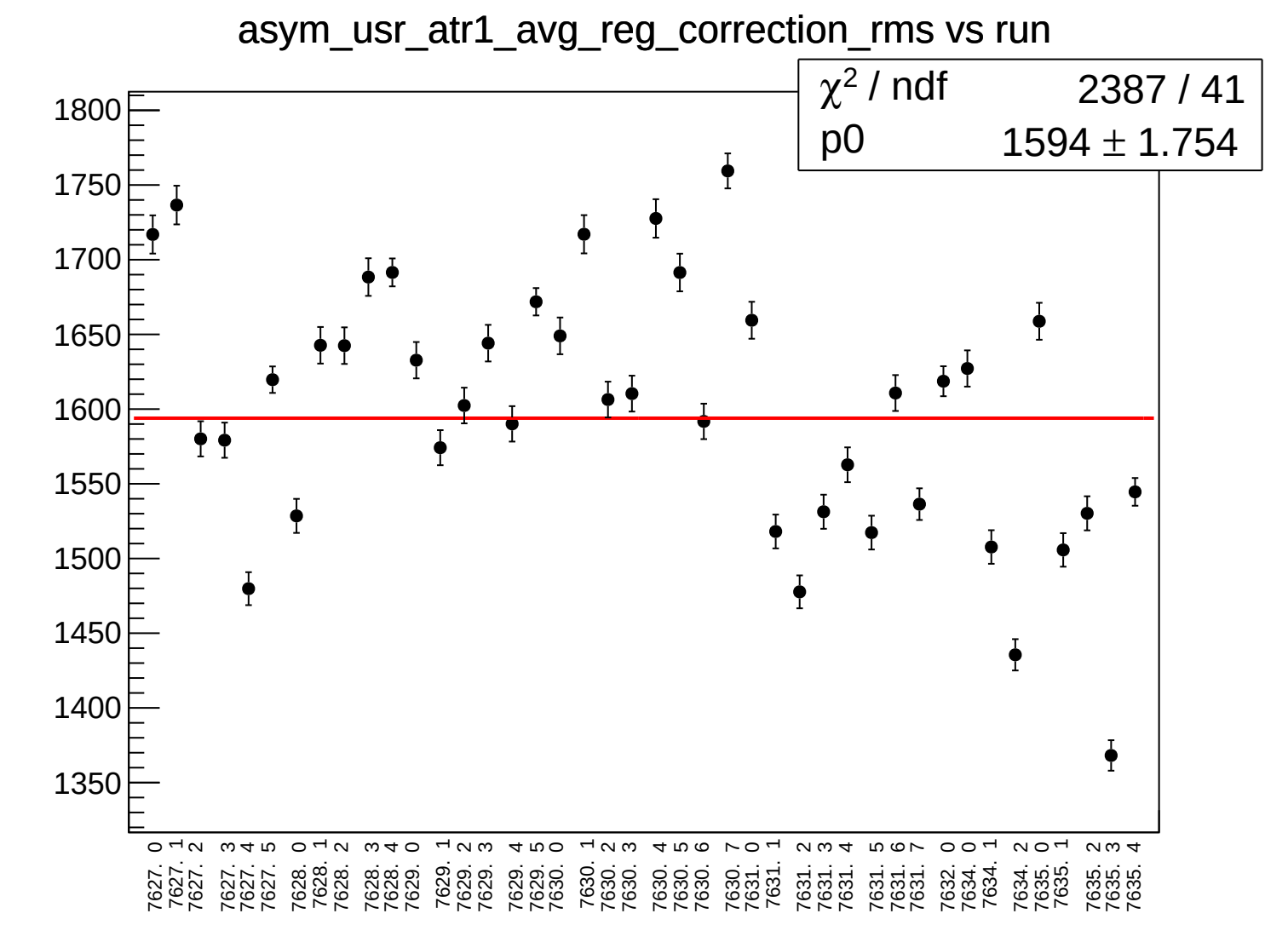

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 58.09 / 41
p0 −4946 ± 2789
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −79.16
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.01792
Std Dev 1.176
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 123 / 41
p0 1794 ± 1.972
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 30.8 / 41
p0 5647 ± 2481
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.778
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.00986
Std Dev 0.8563
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 2387 / 41
p0 1594 ± 1.754
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7635. 0
7635. 1
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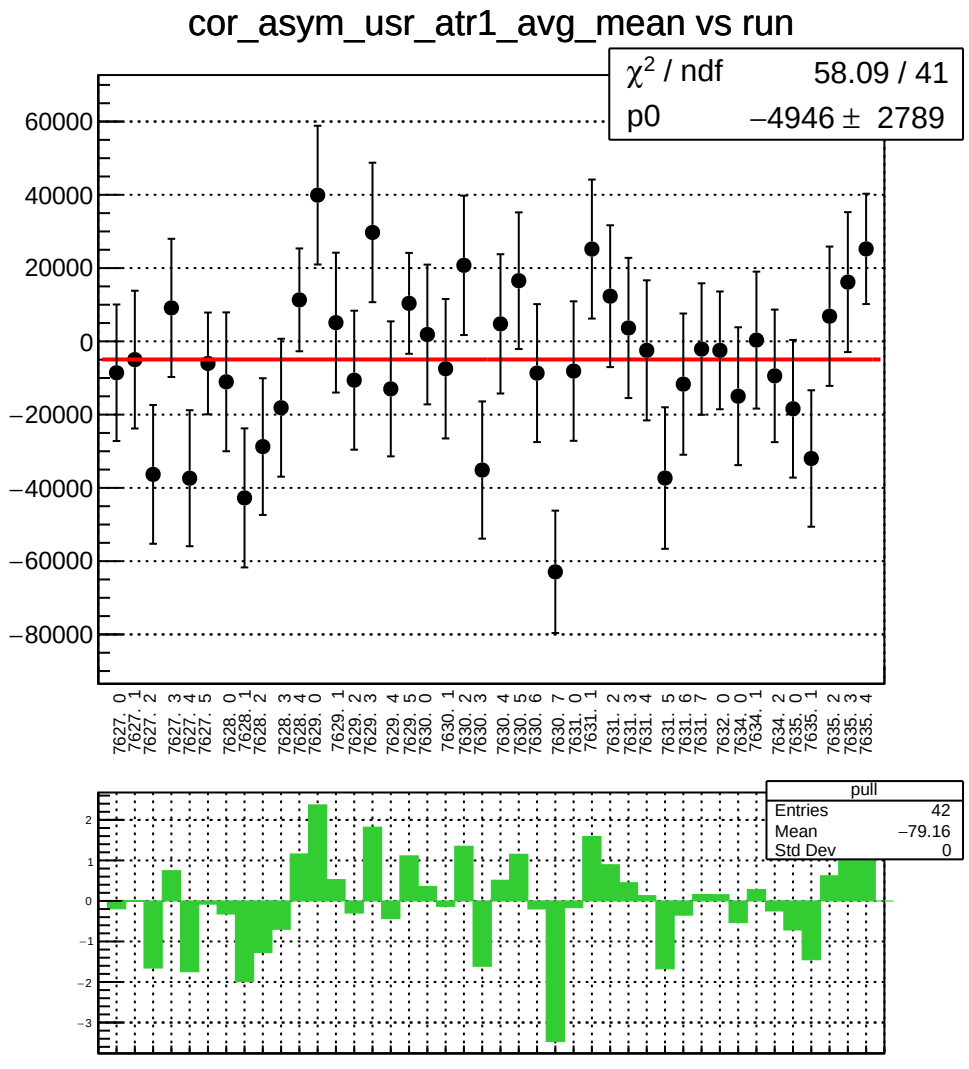
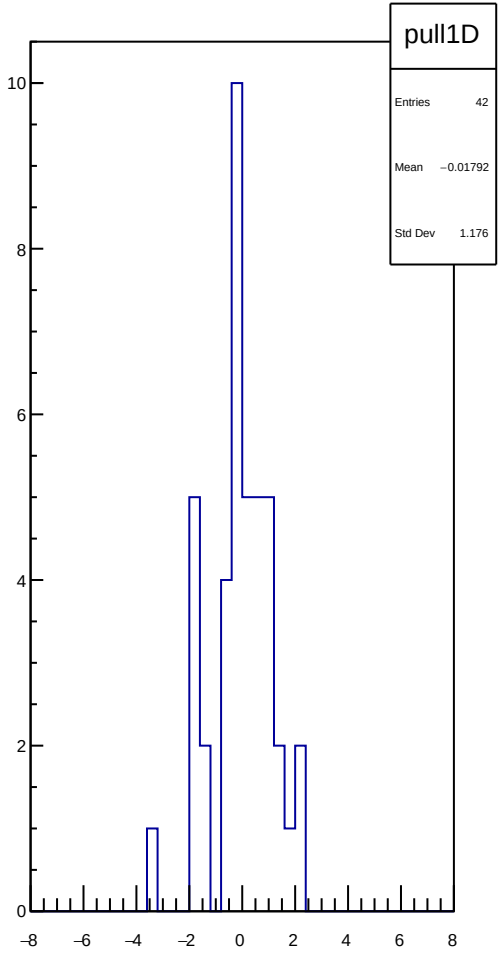
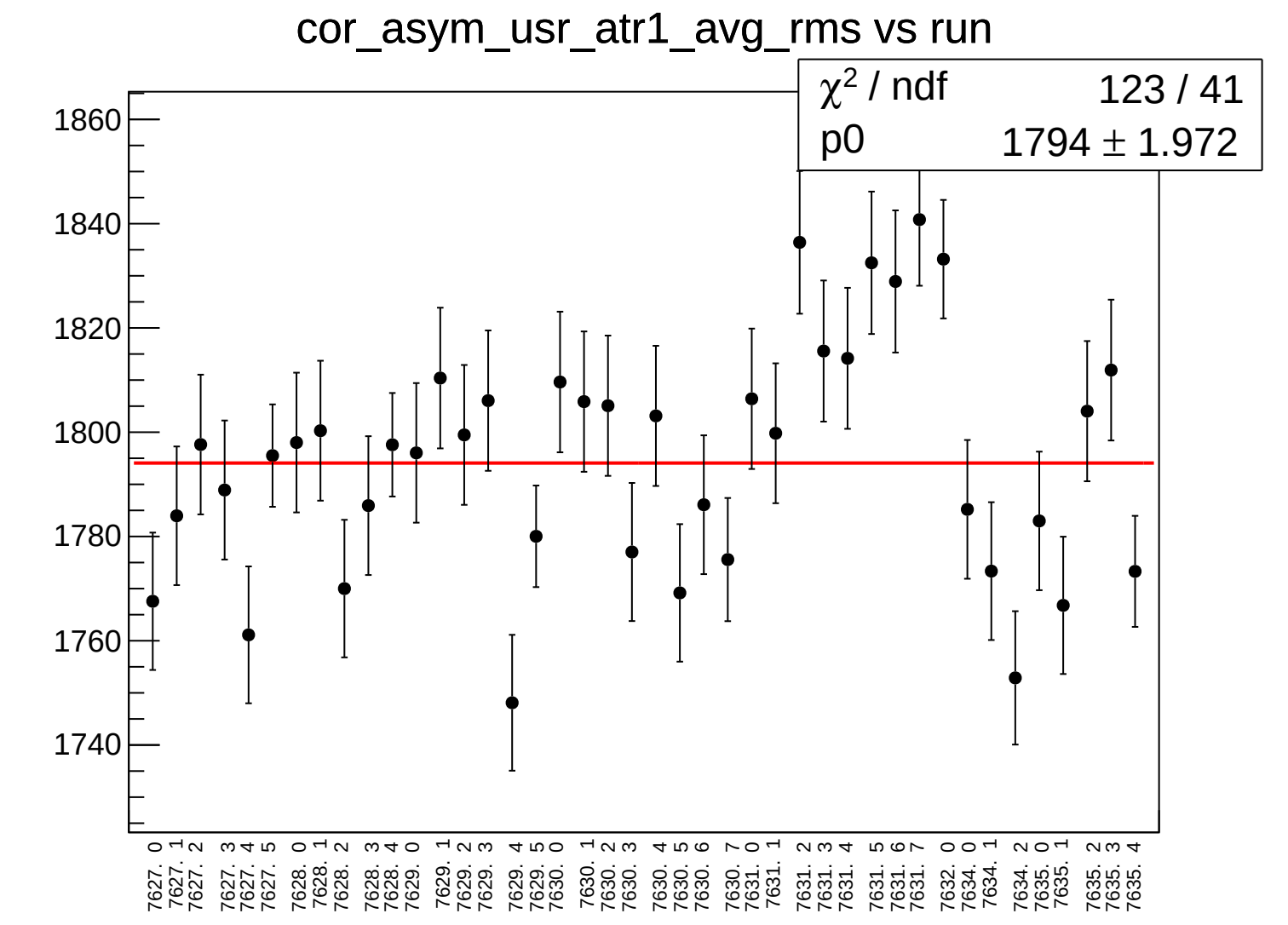
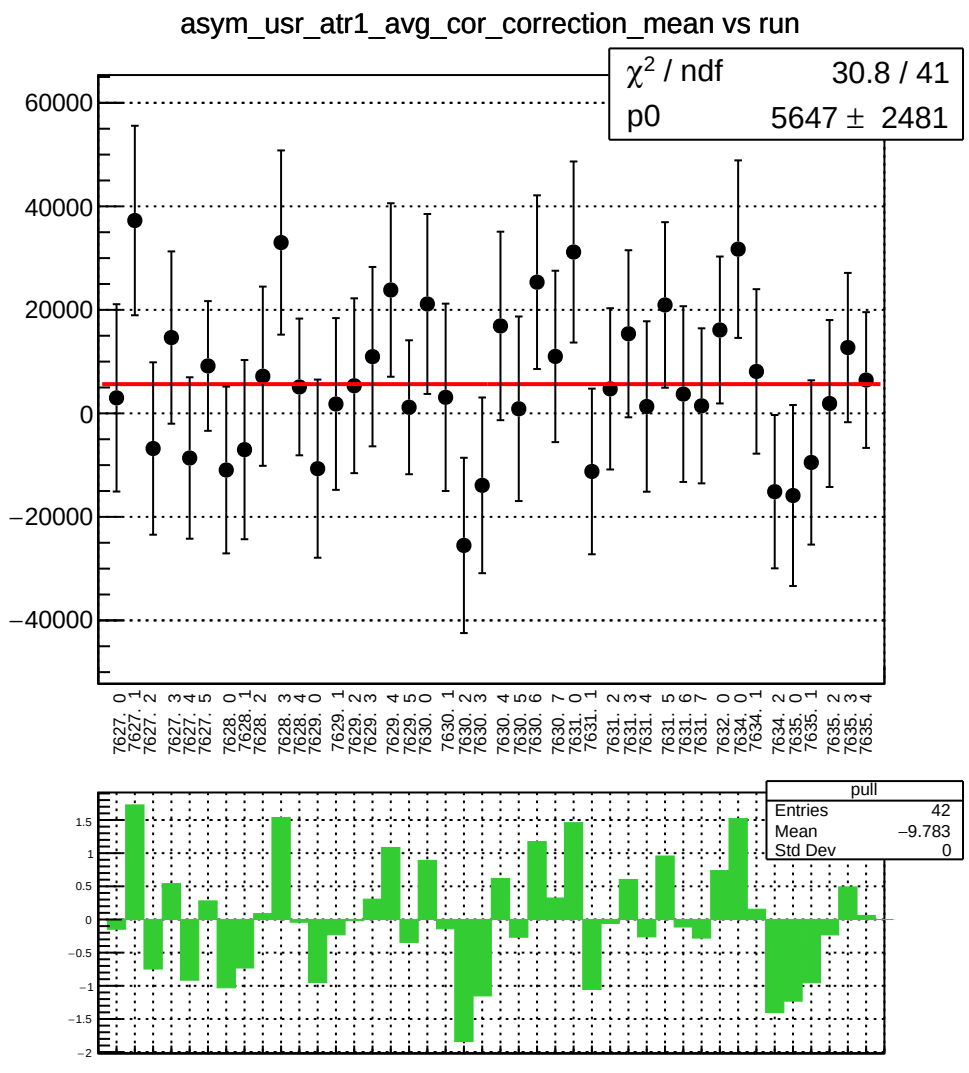
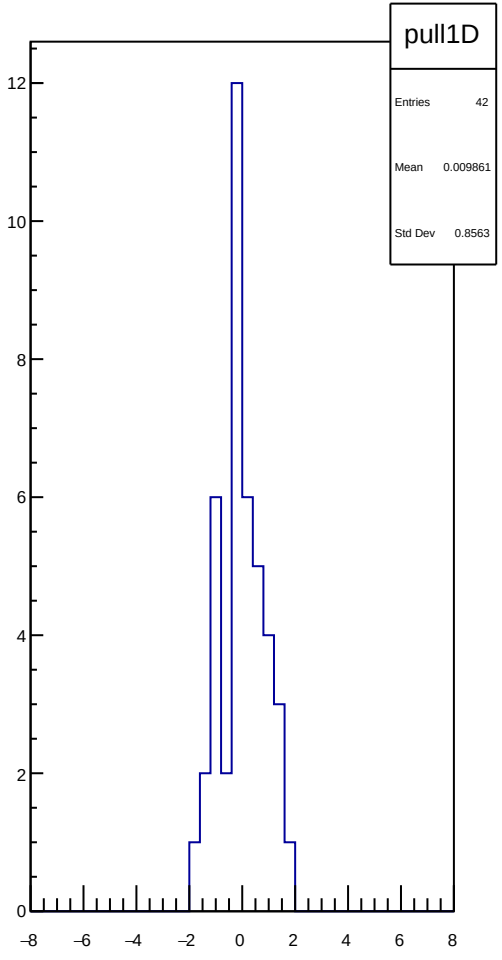
7635. 3
7635. 4

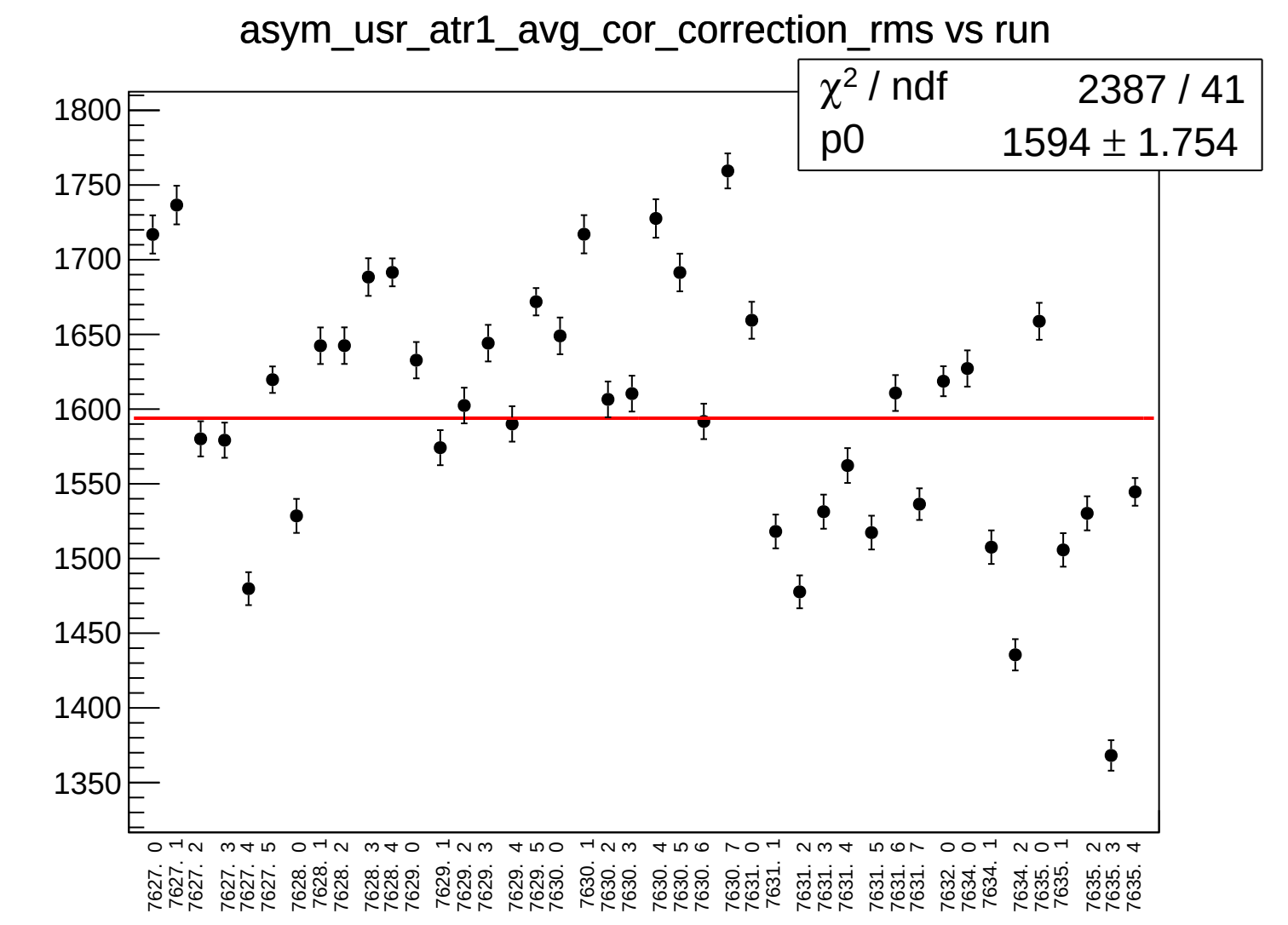

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 58.09 / 41
p0 −4946 ± 2789
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −79.16
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.01792
Std Dev 1.176
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 123 / 41
p0 1794 ± 1.972
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 30.8 / 41
p0 5647 ± 2481
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.783
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.009861
Std Dev 0.8563
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 2387 / 41
p0 1594 ± 1.754
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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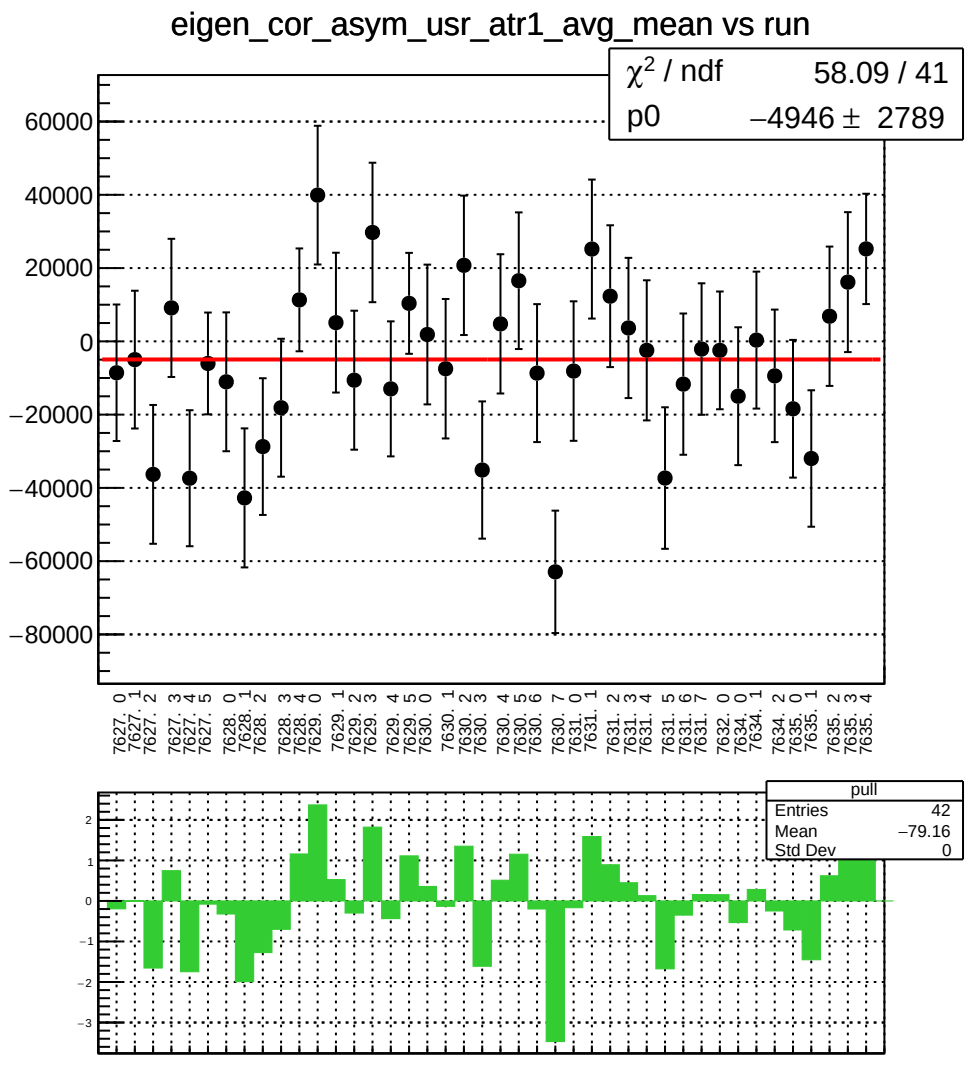
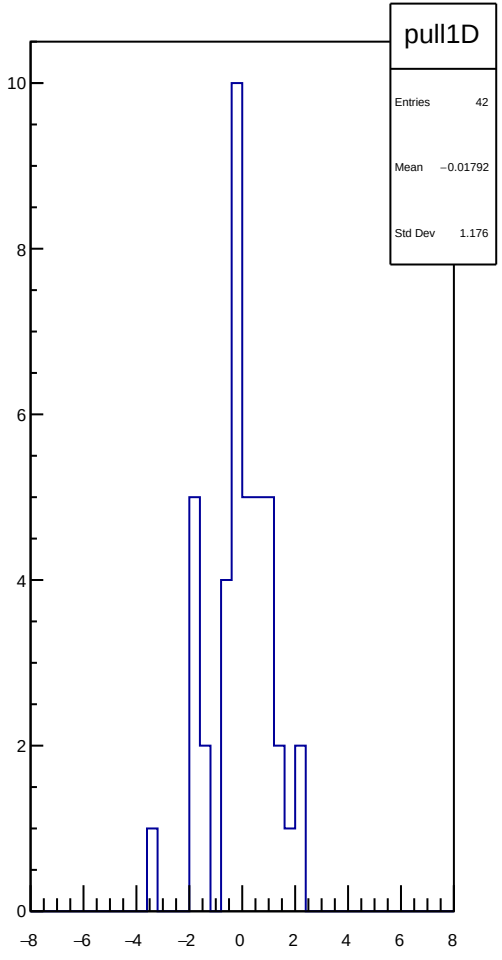
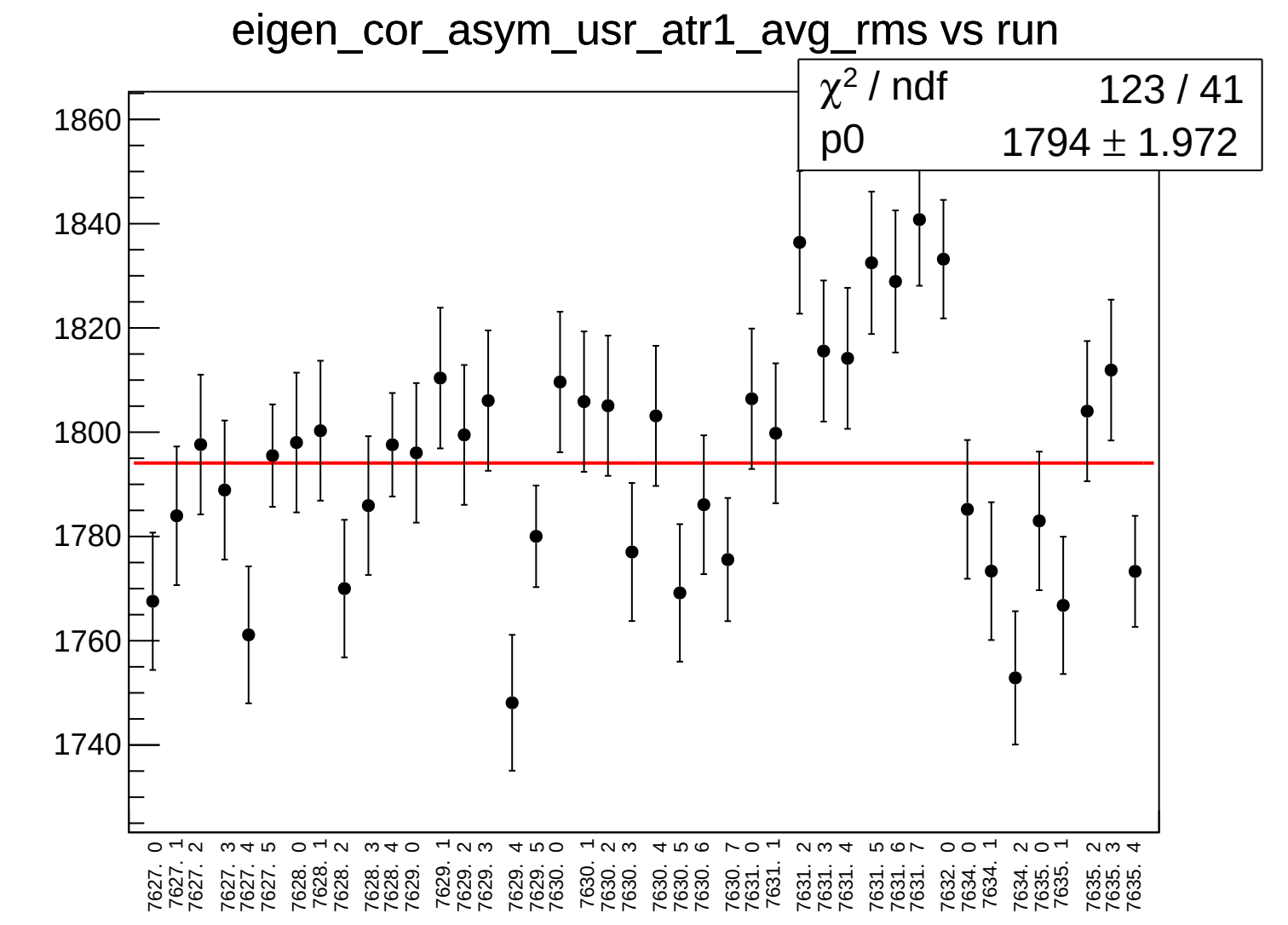
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 58.09 / 41
p0 −4946 ± 2789
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −79.16
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.01792
Std Dev 1.176
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 123 / 41
p0 1794 ± 1.972
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
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7628. 4
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
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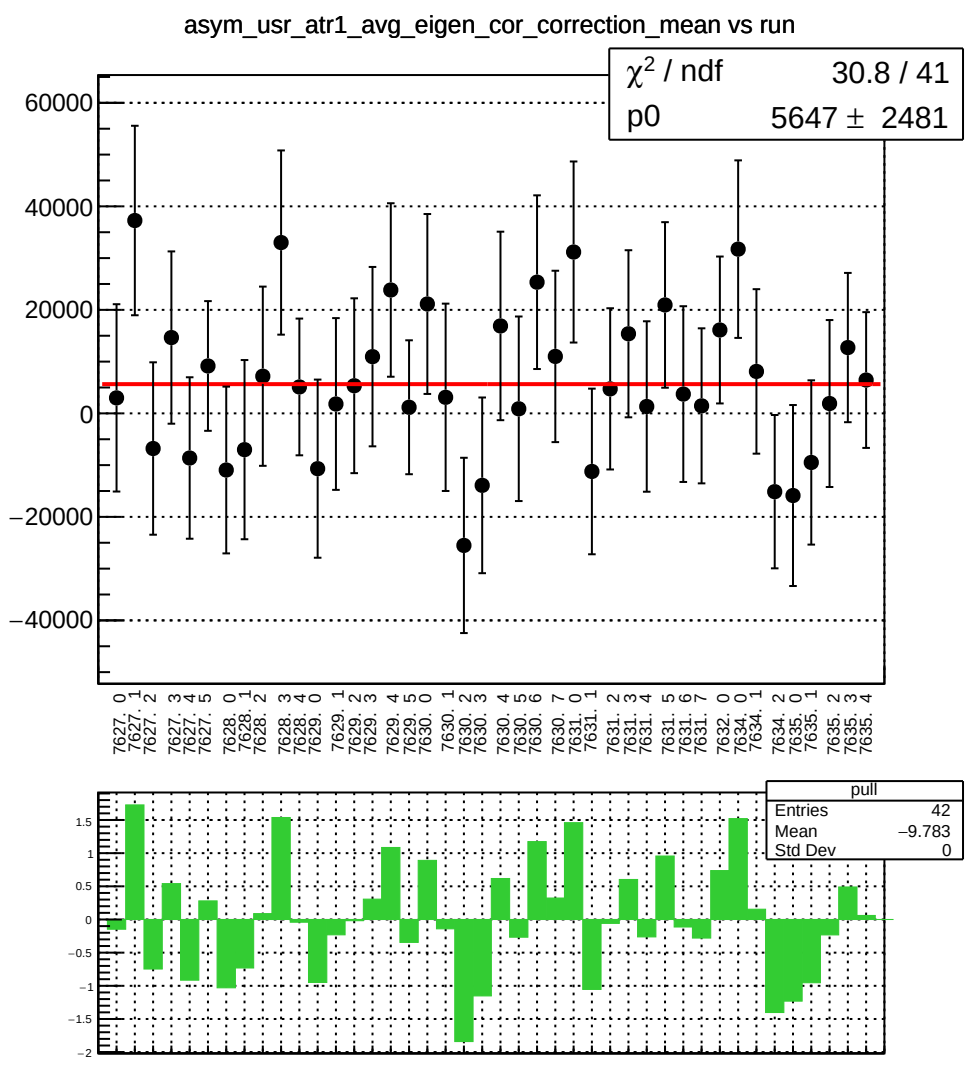
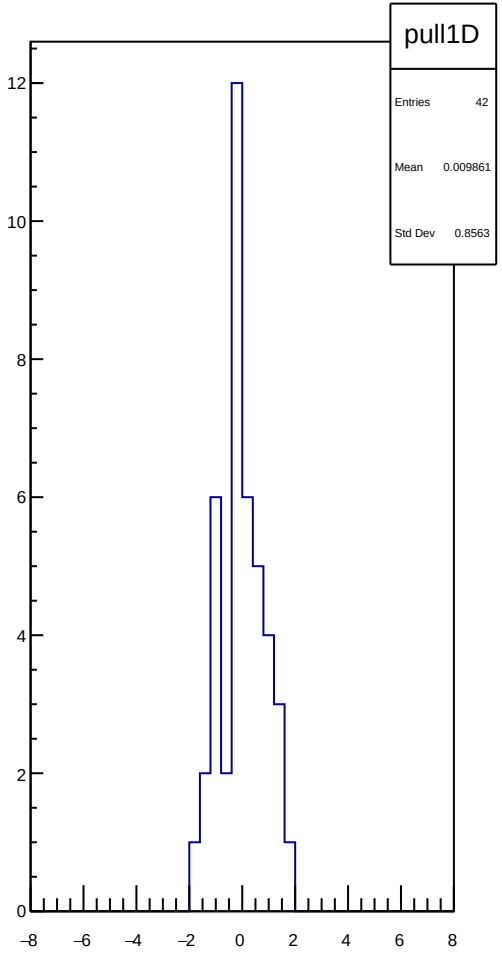
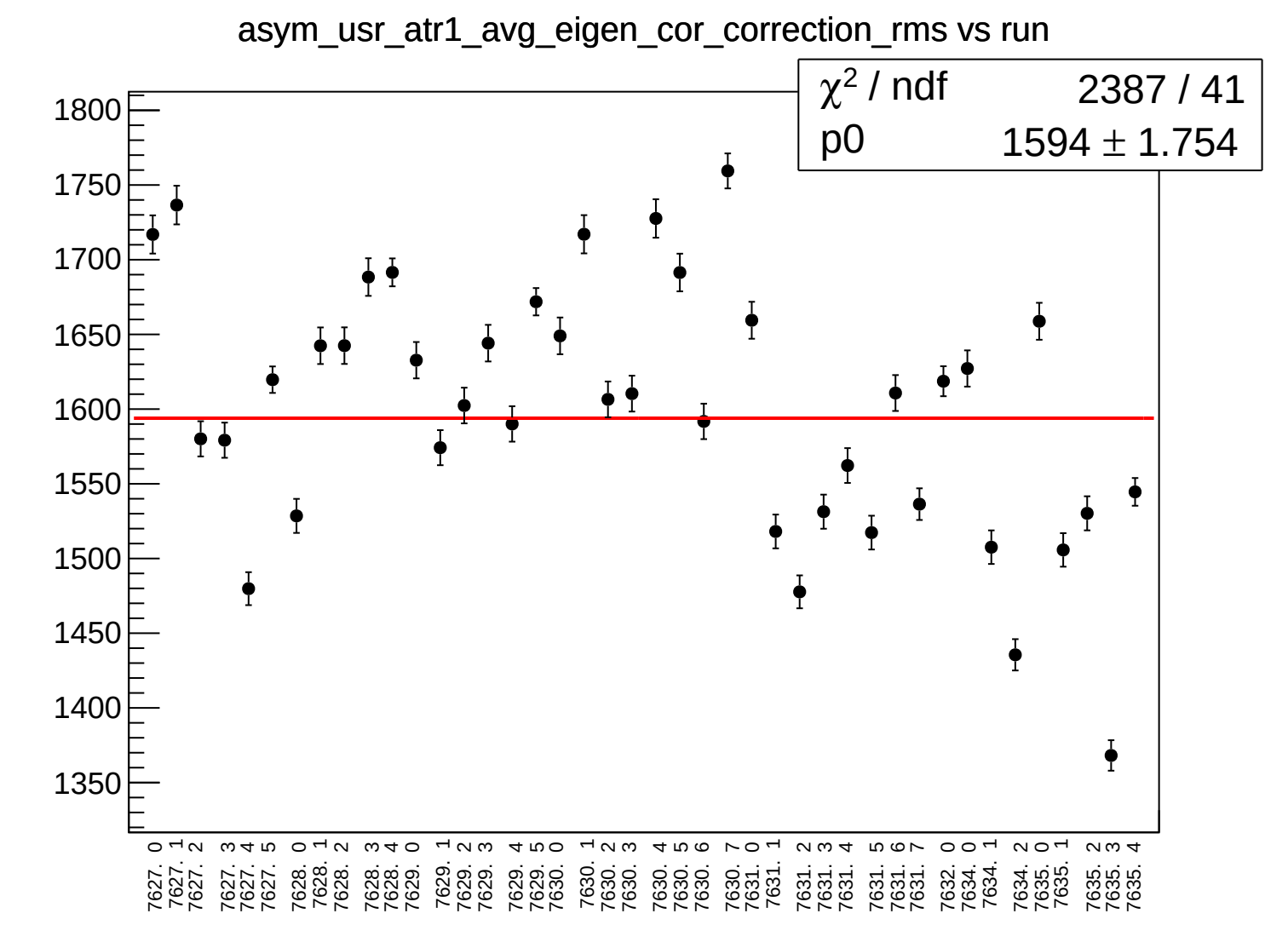
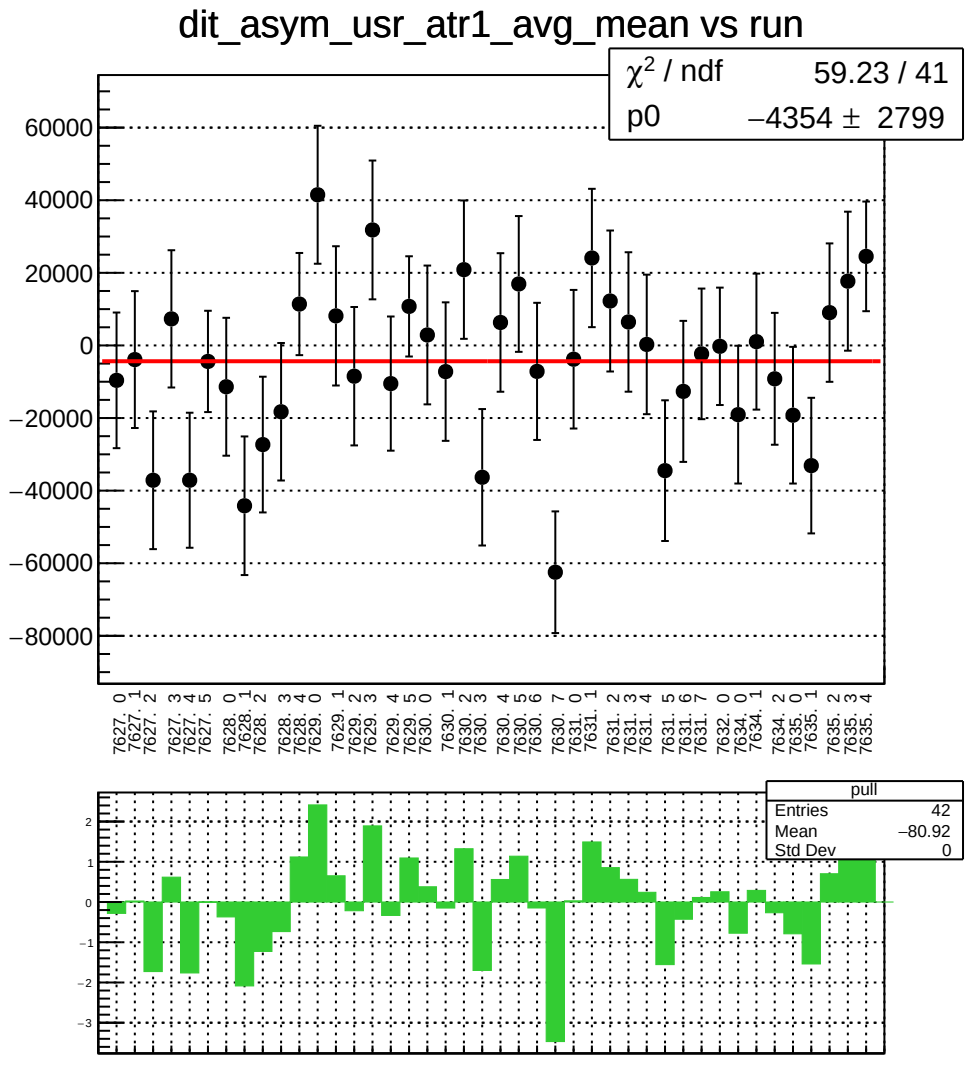
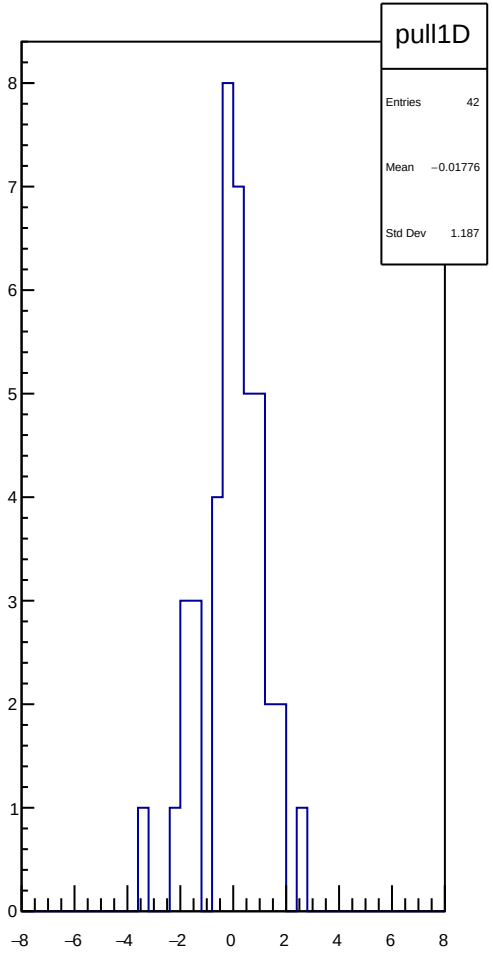
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

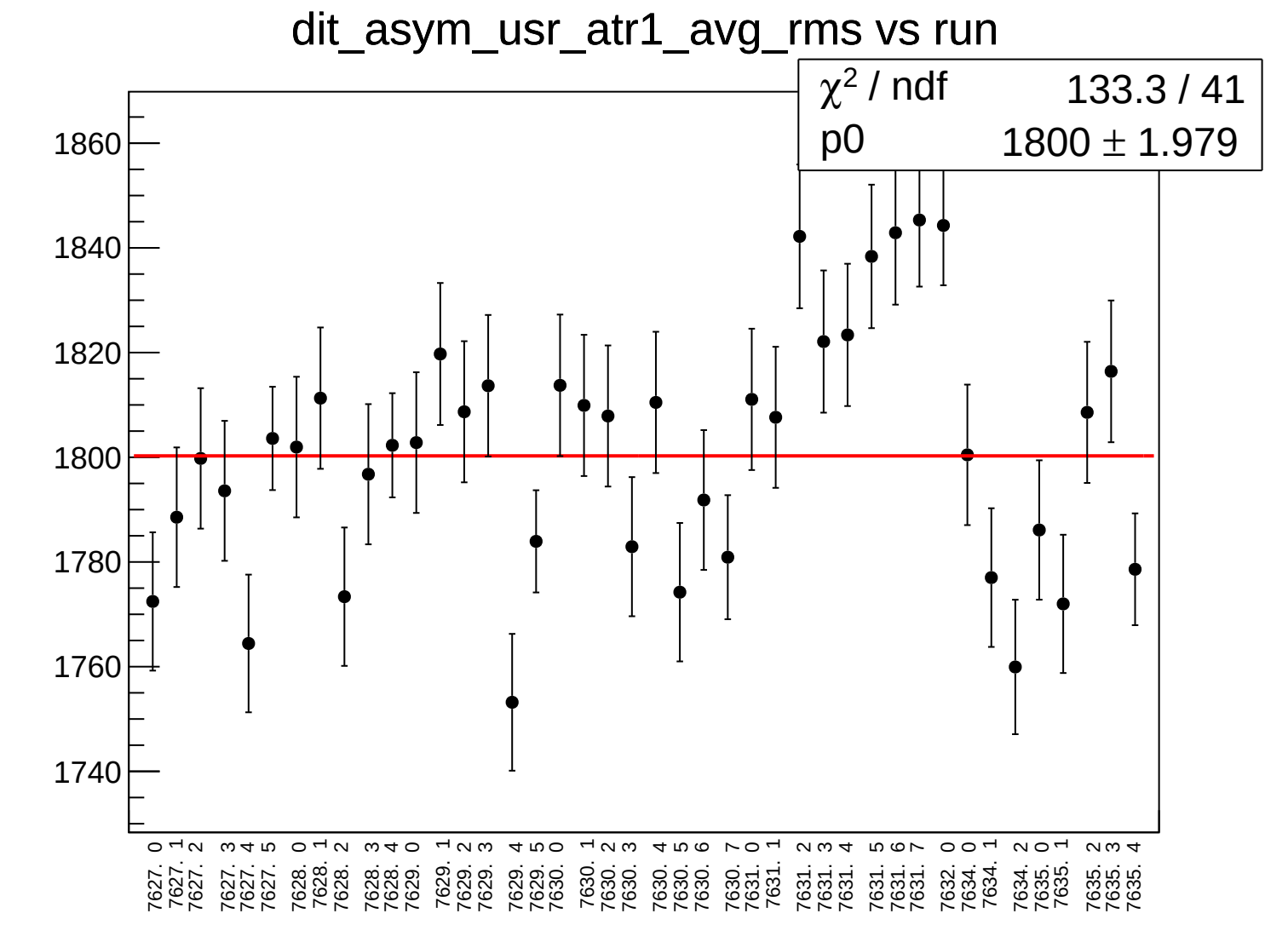

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 30.8 / 41
p0 5647 ± 2481
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.783
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

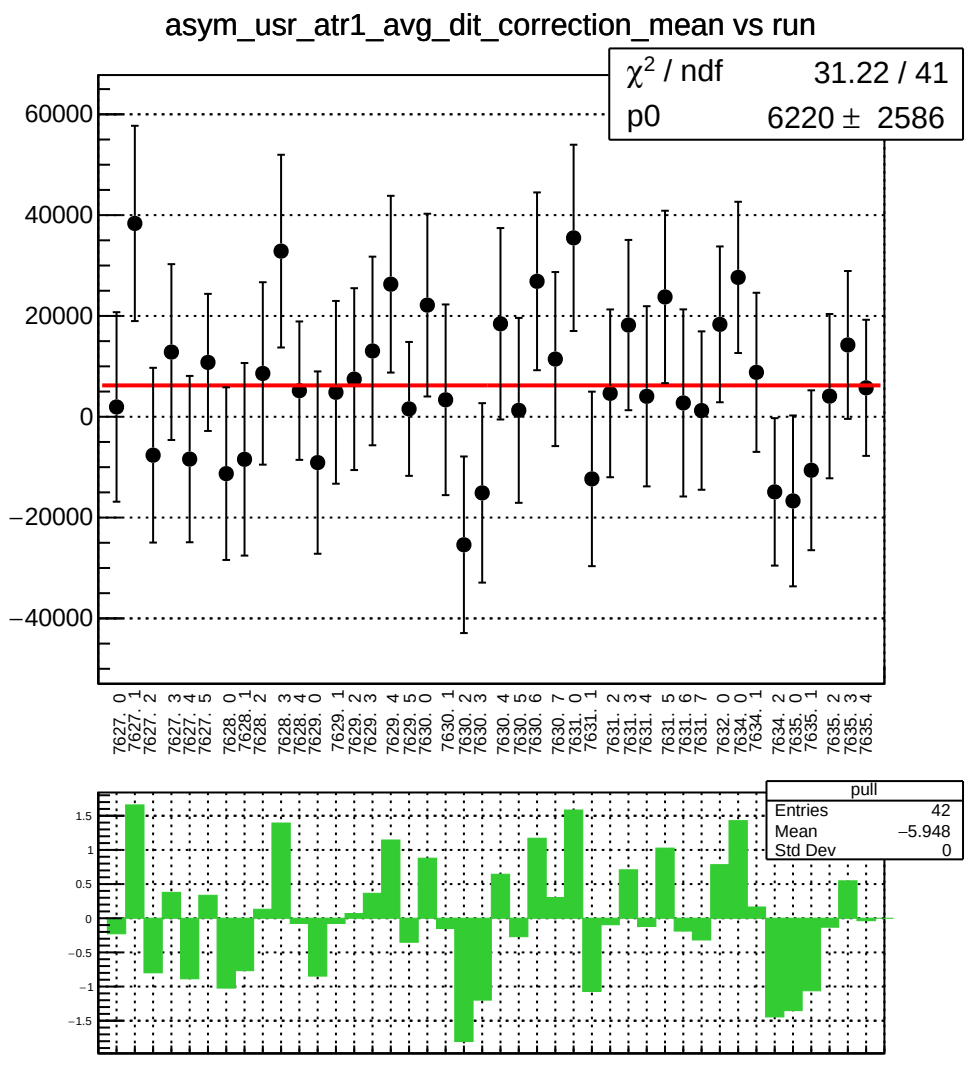

pull1D
Entries 42
Mean 0.009861
Std Dev 0.8563
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

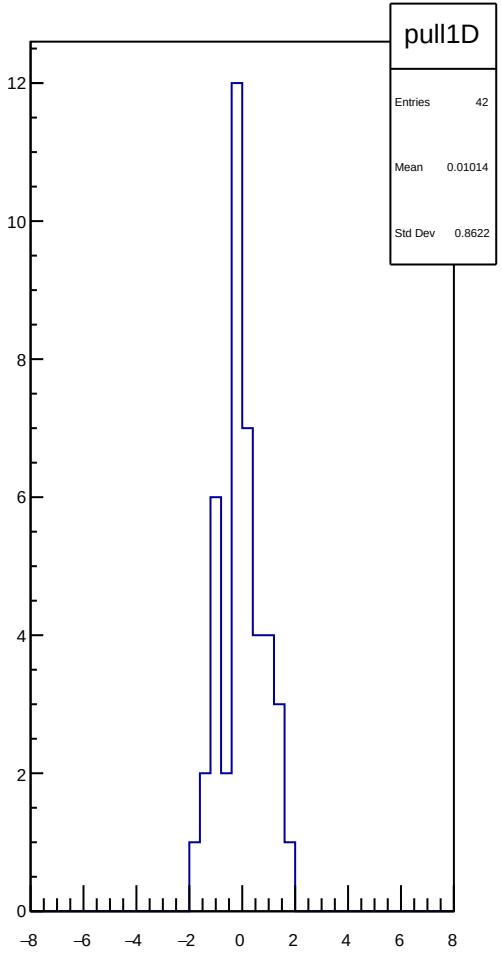

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2387 / 41
p0 1594 ± 1.754
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

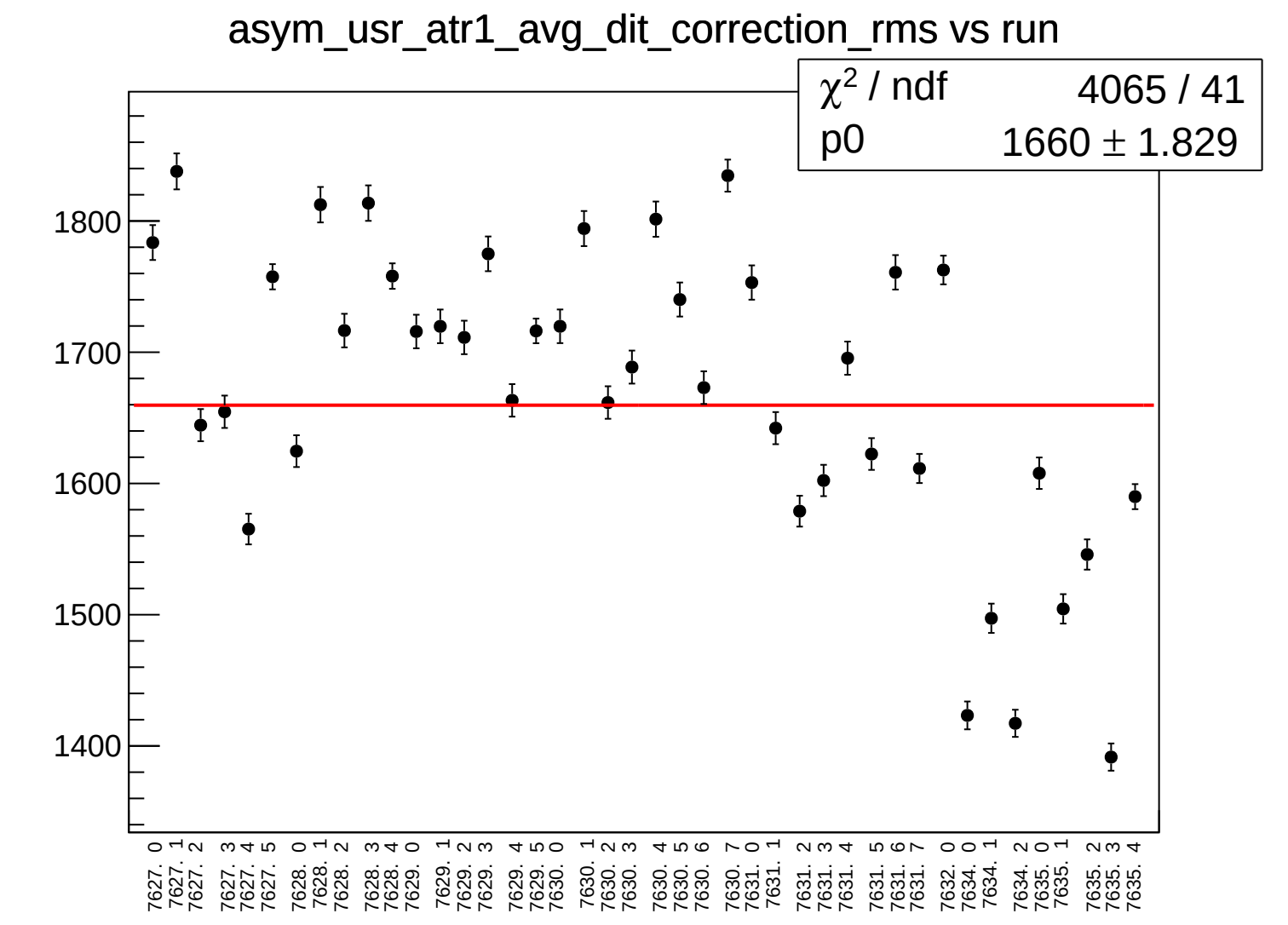

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 59.23 / 41
p0 −4354 ± 2799
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.92
Std Dev 0
2
1
0
−1
−2
−3

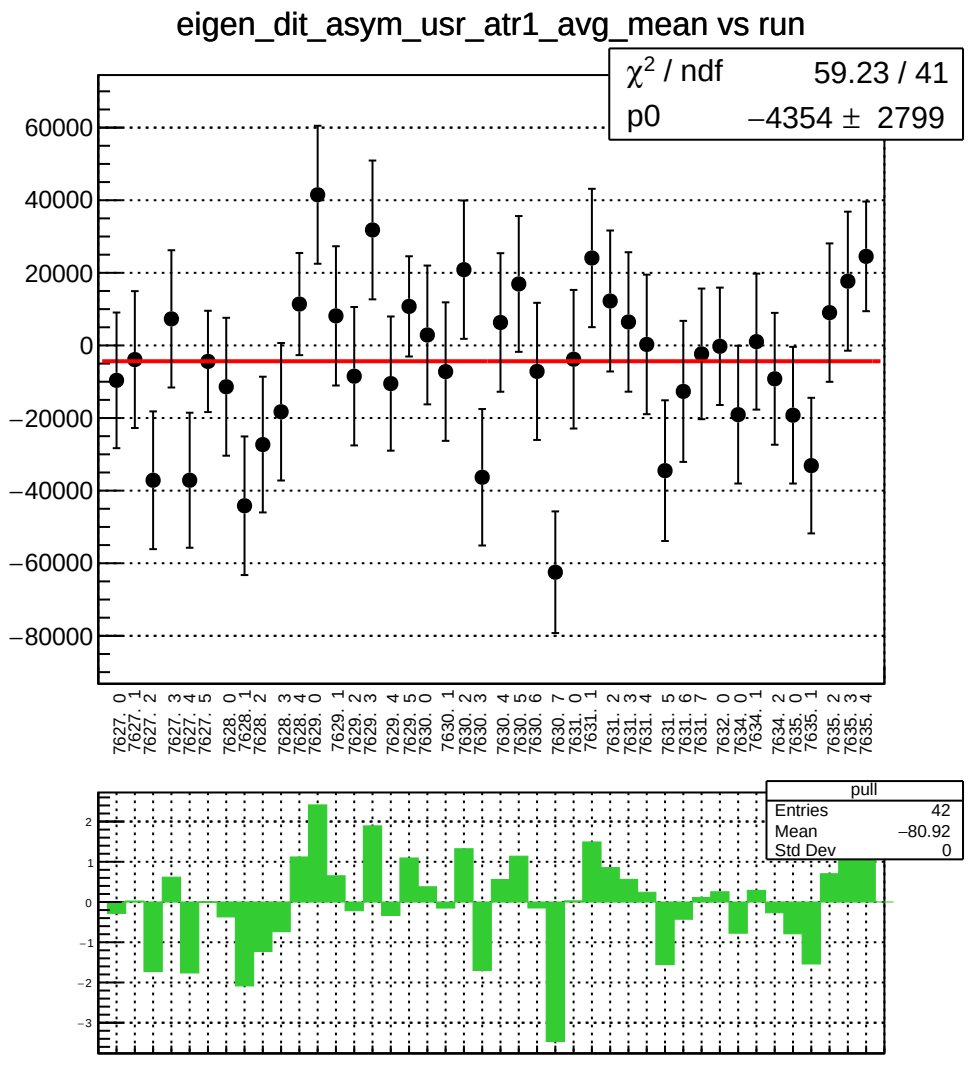

pull1D
Entries 42
Mean −0.01776
Std Dev 1.187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

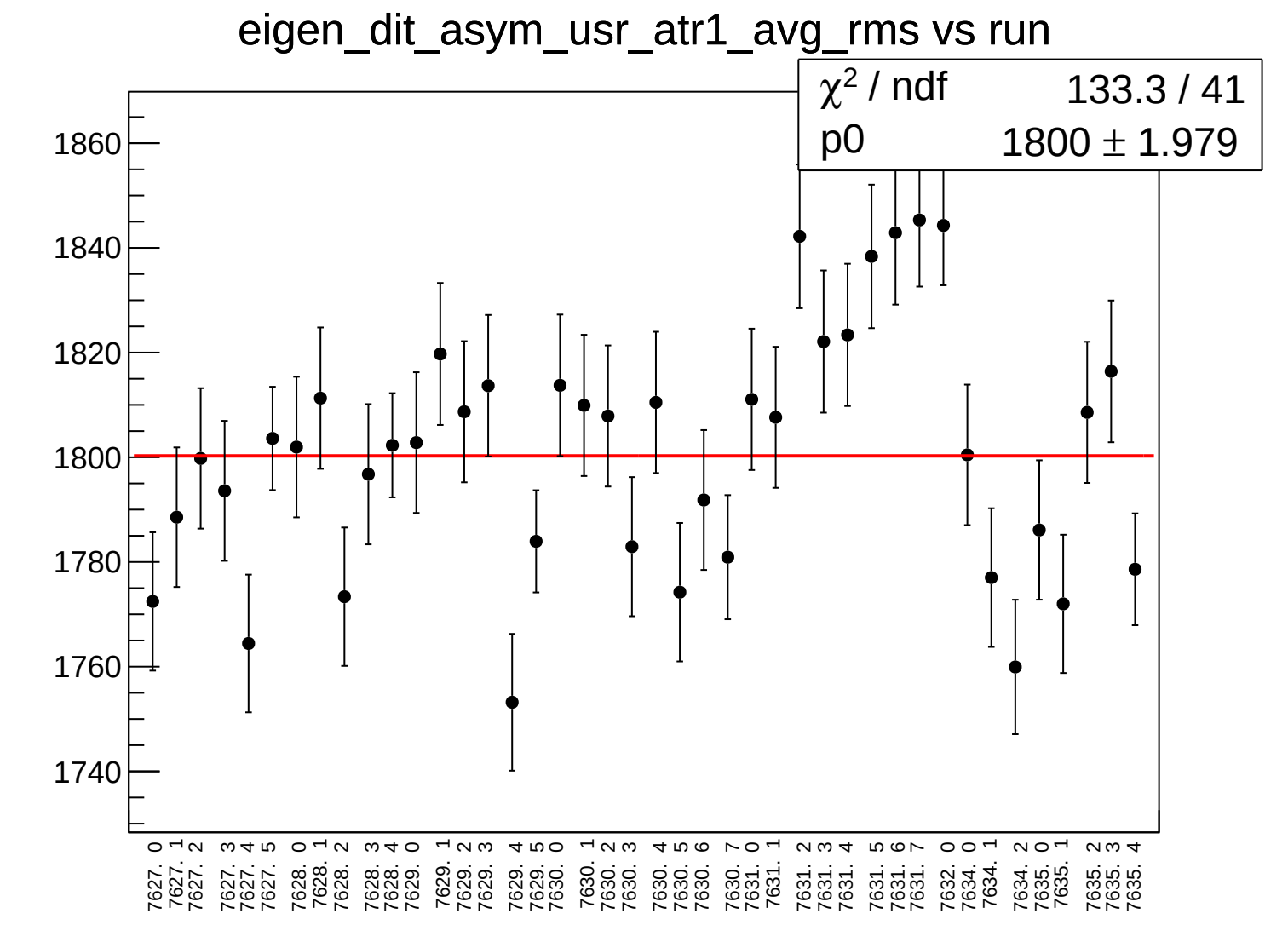

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 133.3 / 41
p0 1800 ± 1.979
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

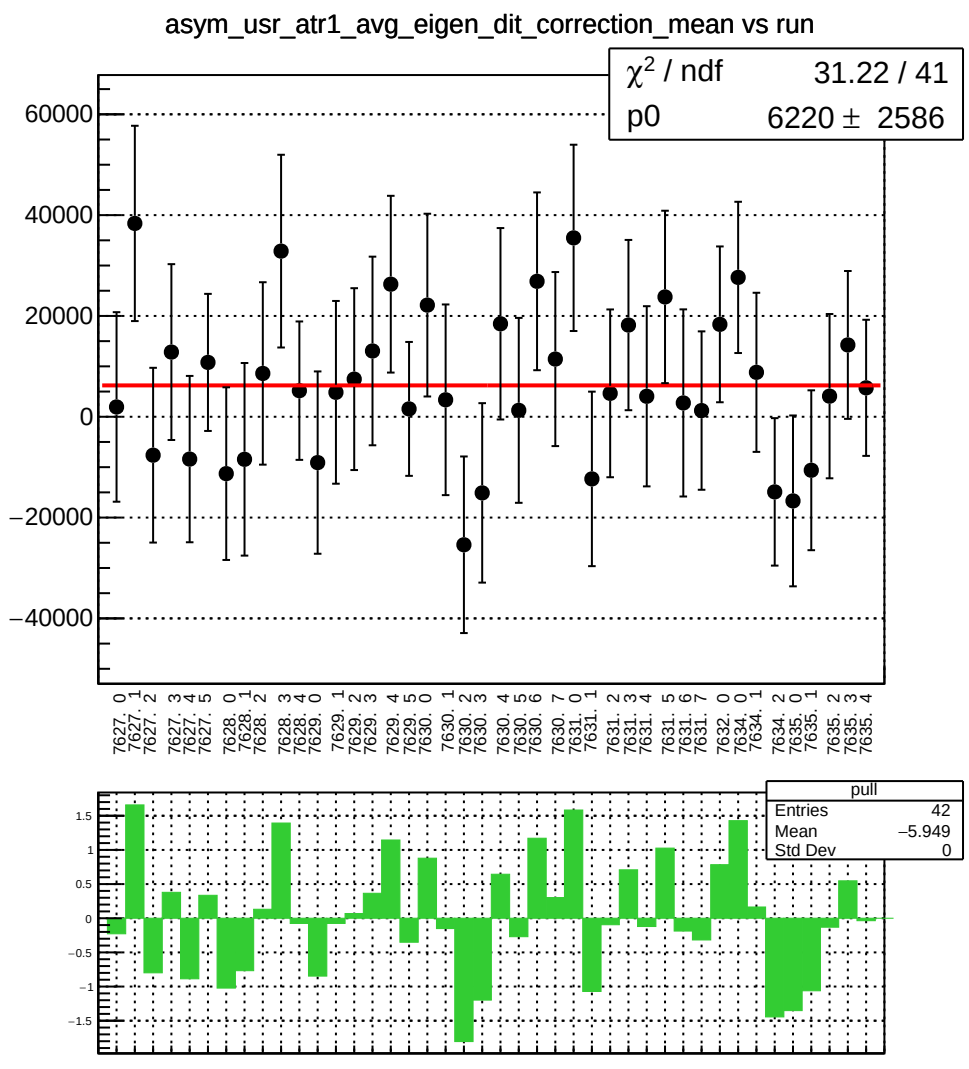

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 31.22 / 41
p0 6220 ± 2586
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.948
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

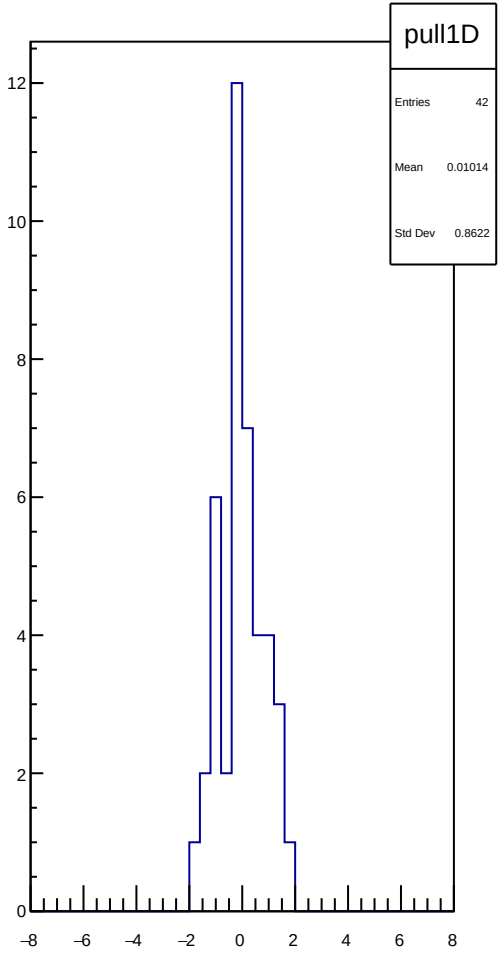

pull1D
Entries 42
Mean 0.01014
Std Dev 0.8622
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

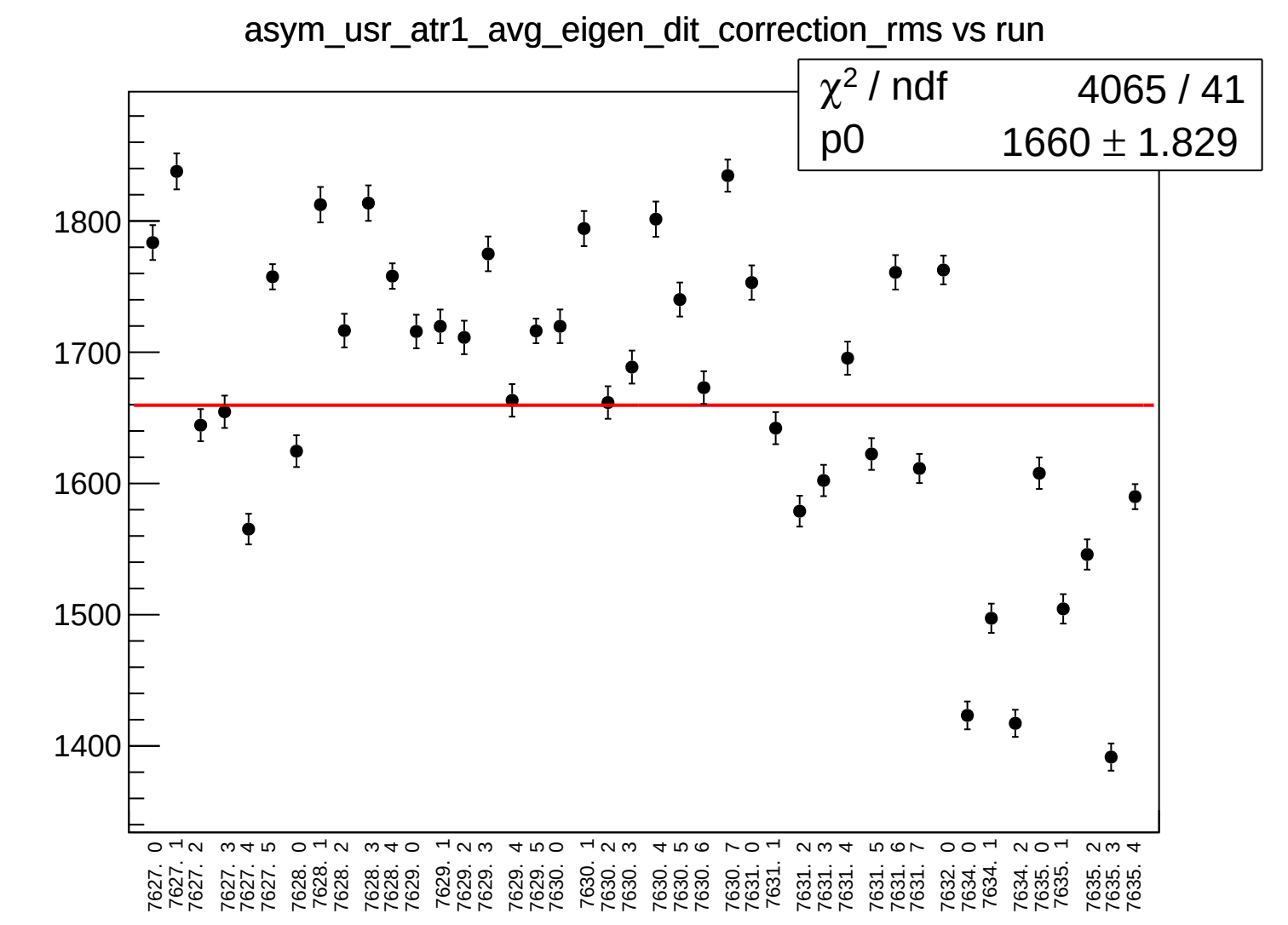

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 4065 / 41
p0 1660 ± 1.829
1800
1700
1600
1500
1400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

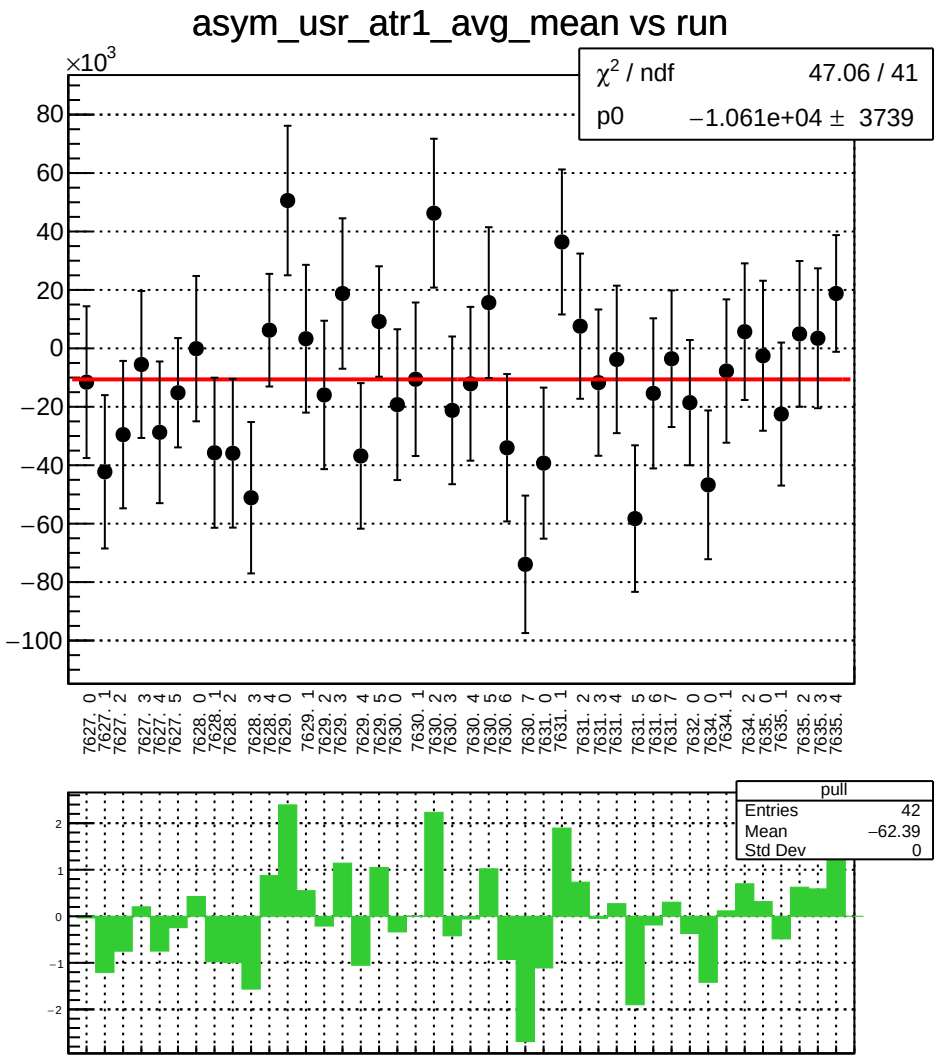

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 59.23 / 41
p0 −4354 ± 2799
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.92
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.01776
Std Dev 1.187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

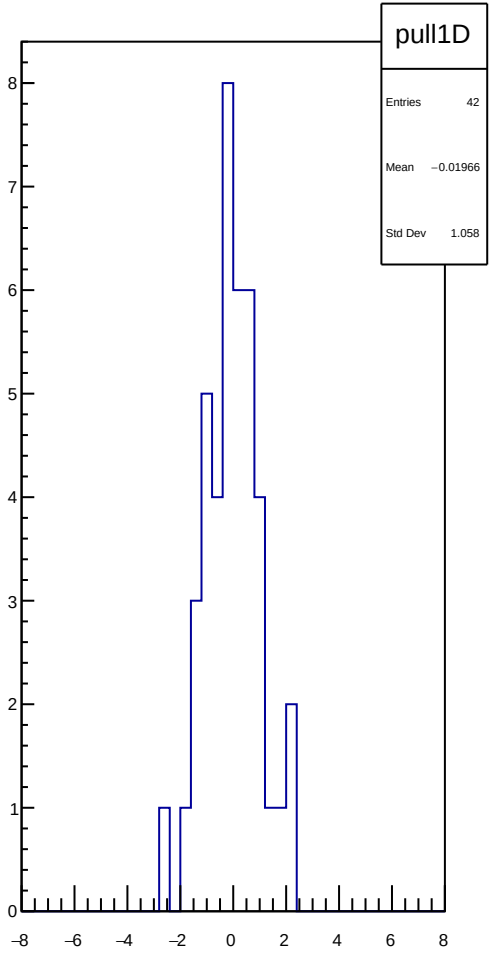

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 133.3 / 41
p0 1800 ± 1.979
1860
1840
1820
1800
1780
1760
1740
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

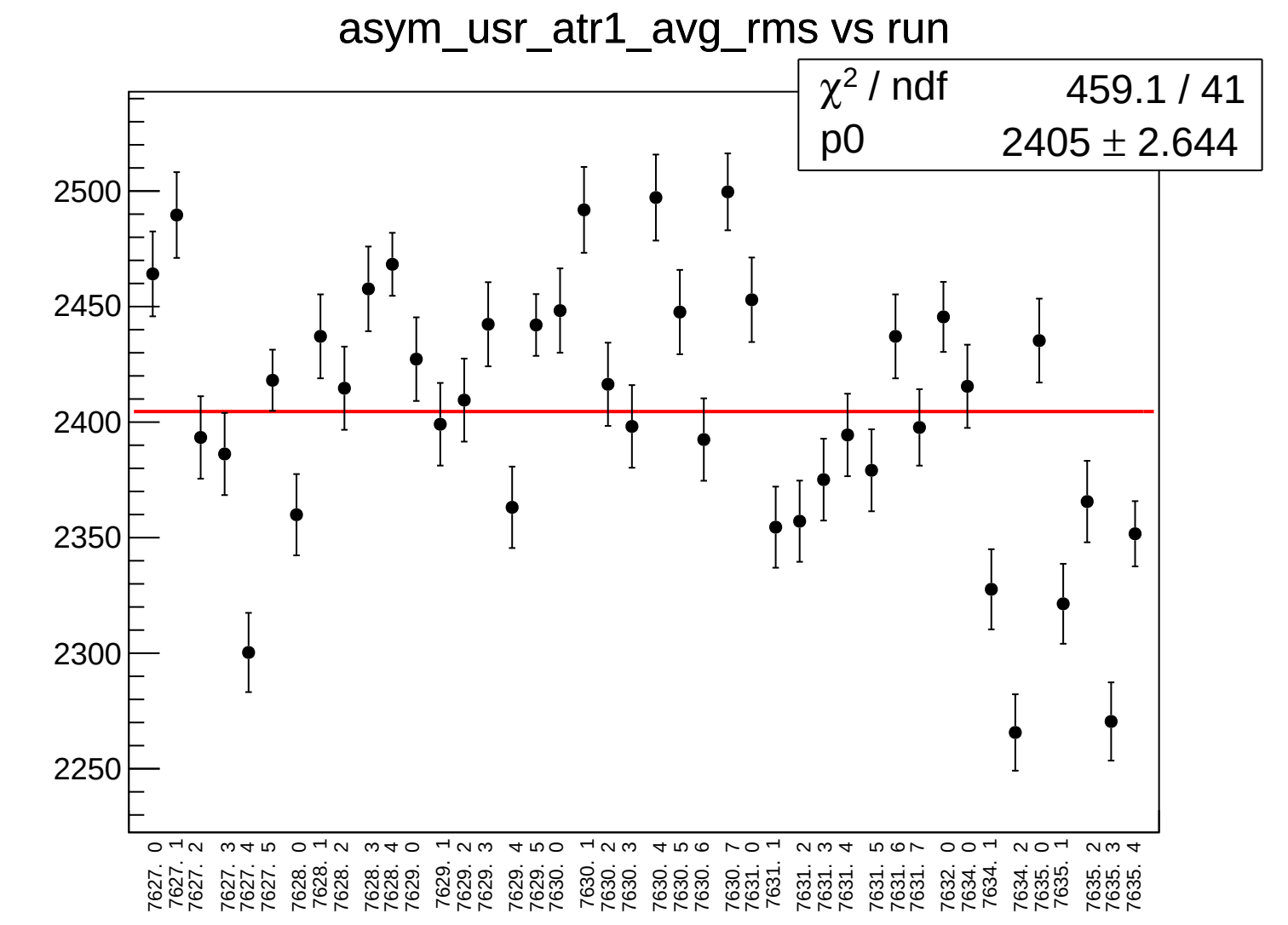

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.22 / 41
p0 6220 ± 2586
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.949
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

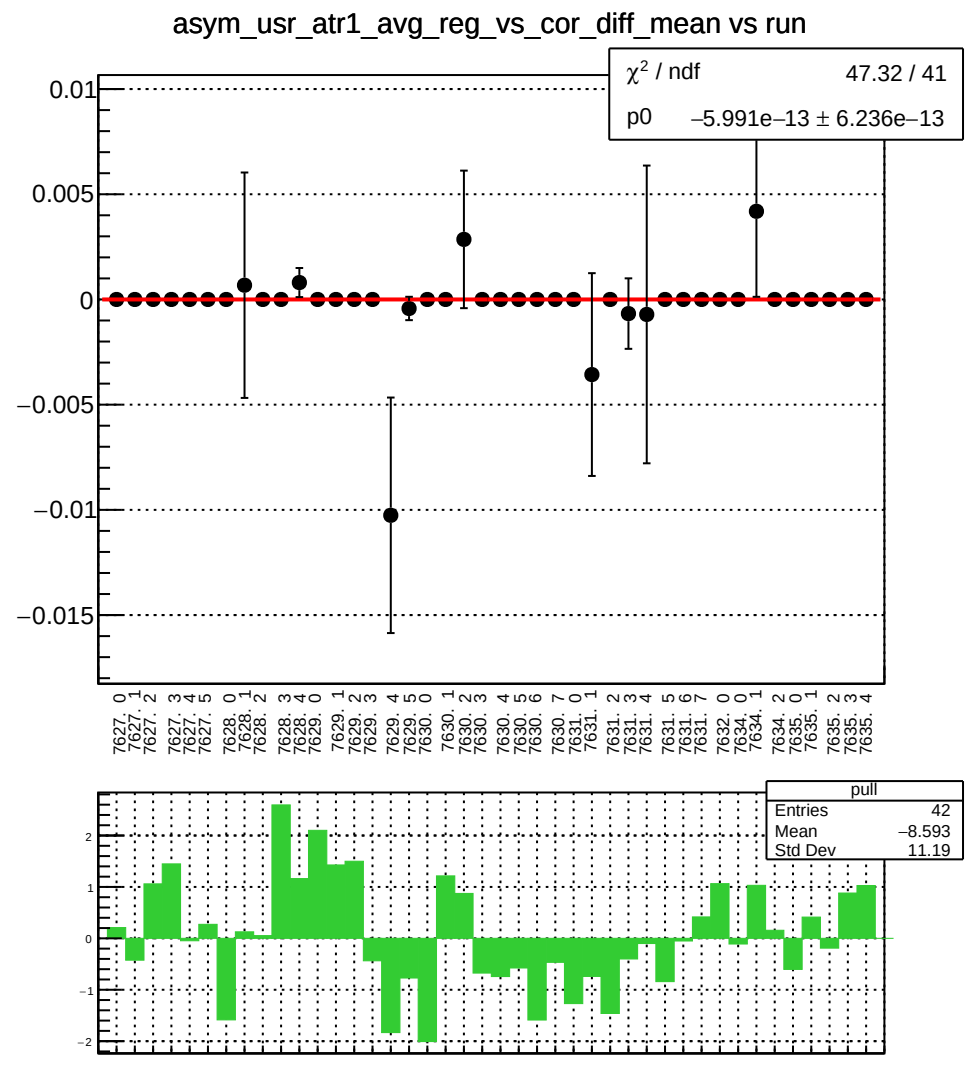

pull1D
Entries 42
Mean 0.01014
Std Dev 0.8622
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

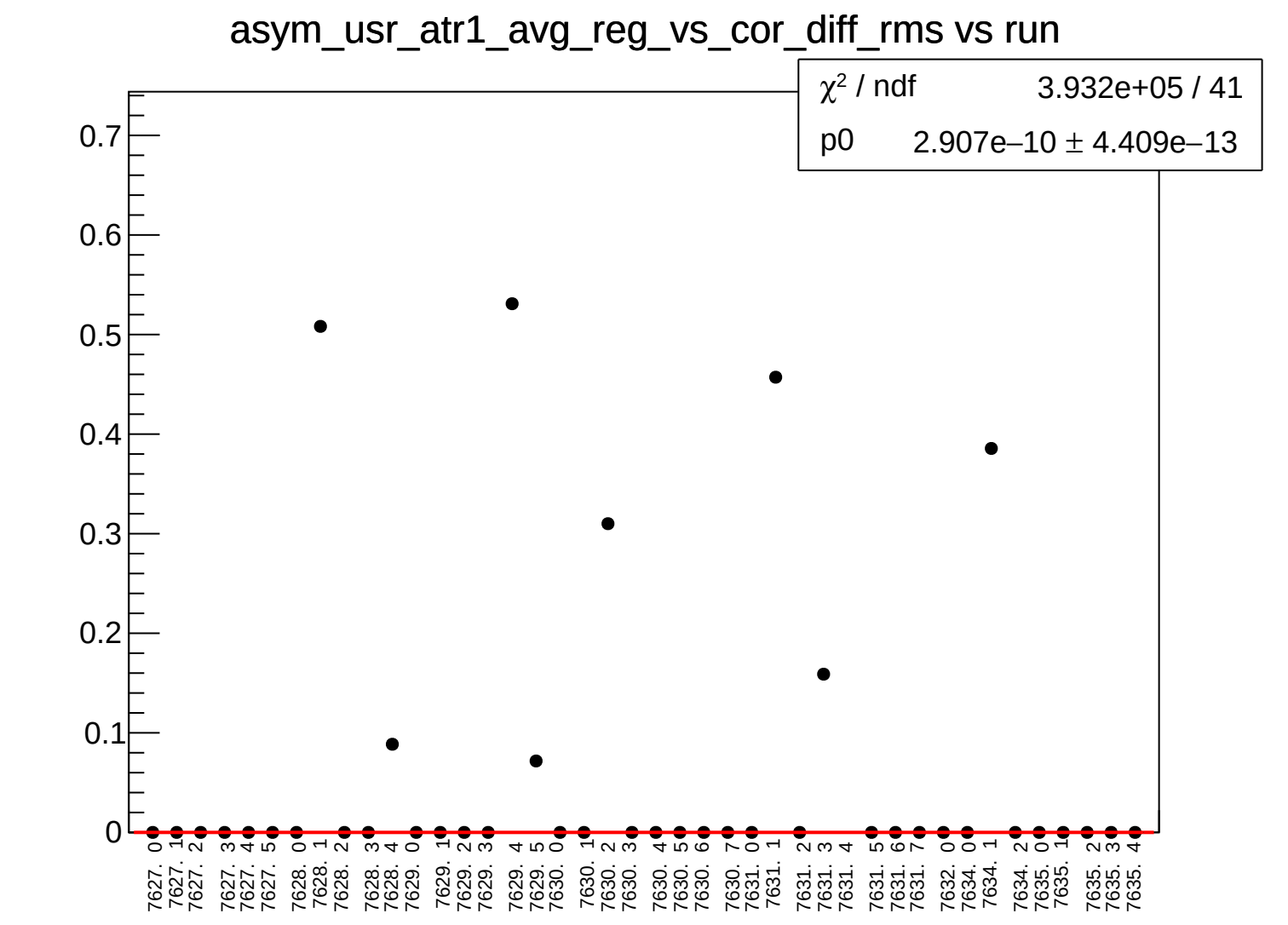

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 4065 / 41
p0 1660 ± 1.829
1800
1700
1600
1500
1400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

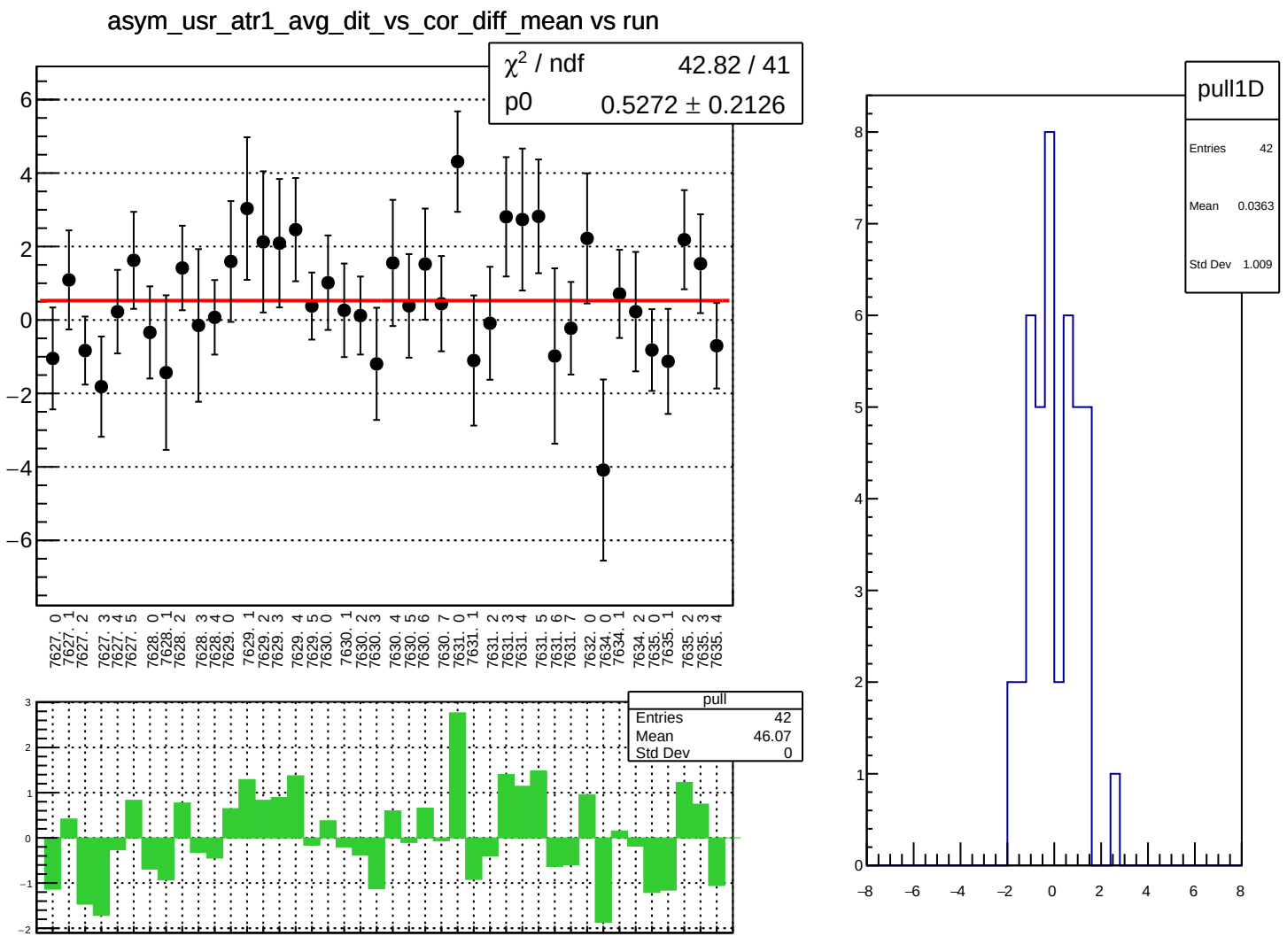

asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 47.06 / 41
p0 −1.061e+04 ± 3739
pull
Entries 42
Mean −62.39
Std Dev 0

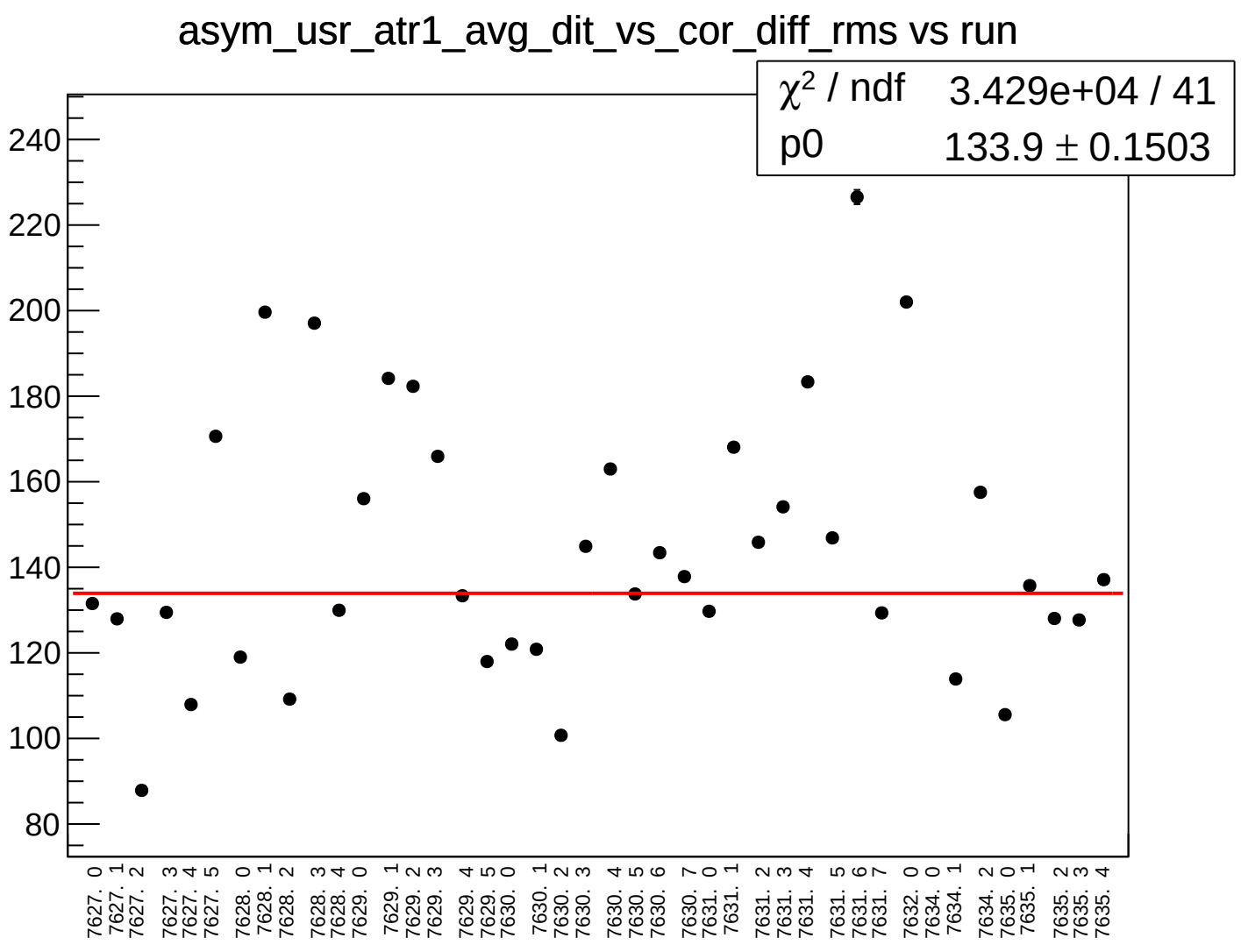

pull1D
Entries 42
Mean −0.01966
Std Dev 1.058

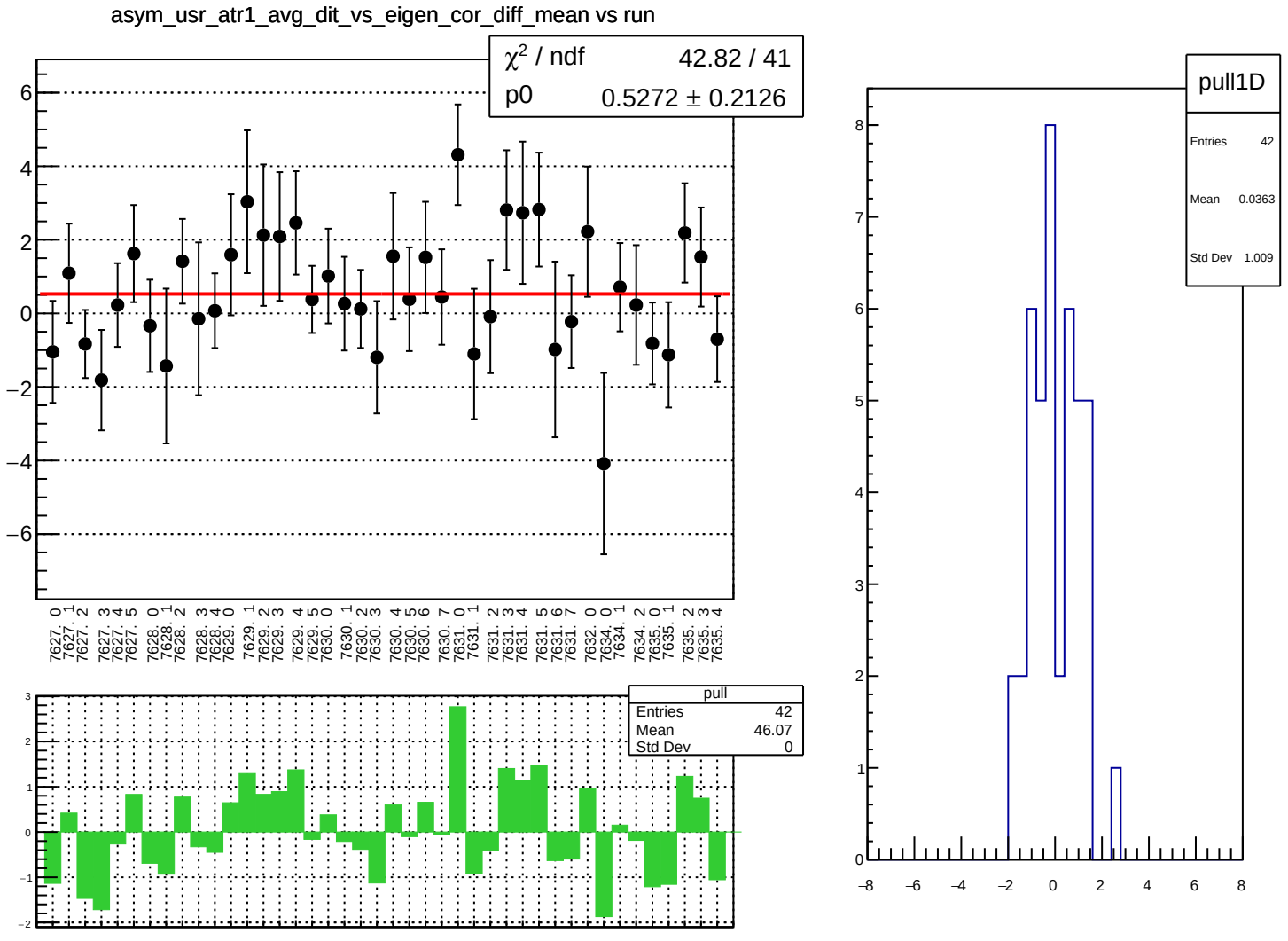

asym_usr_atr1_avg_rms vs run
χ² / ndf 459.1 / 41
p0 2405 ± 2.644
2500
2450
2400
2350
2300
2250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

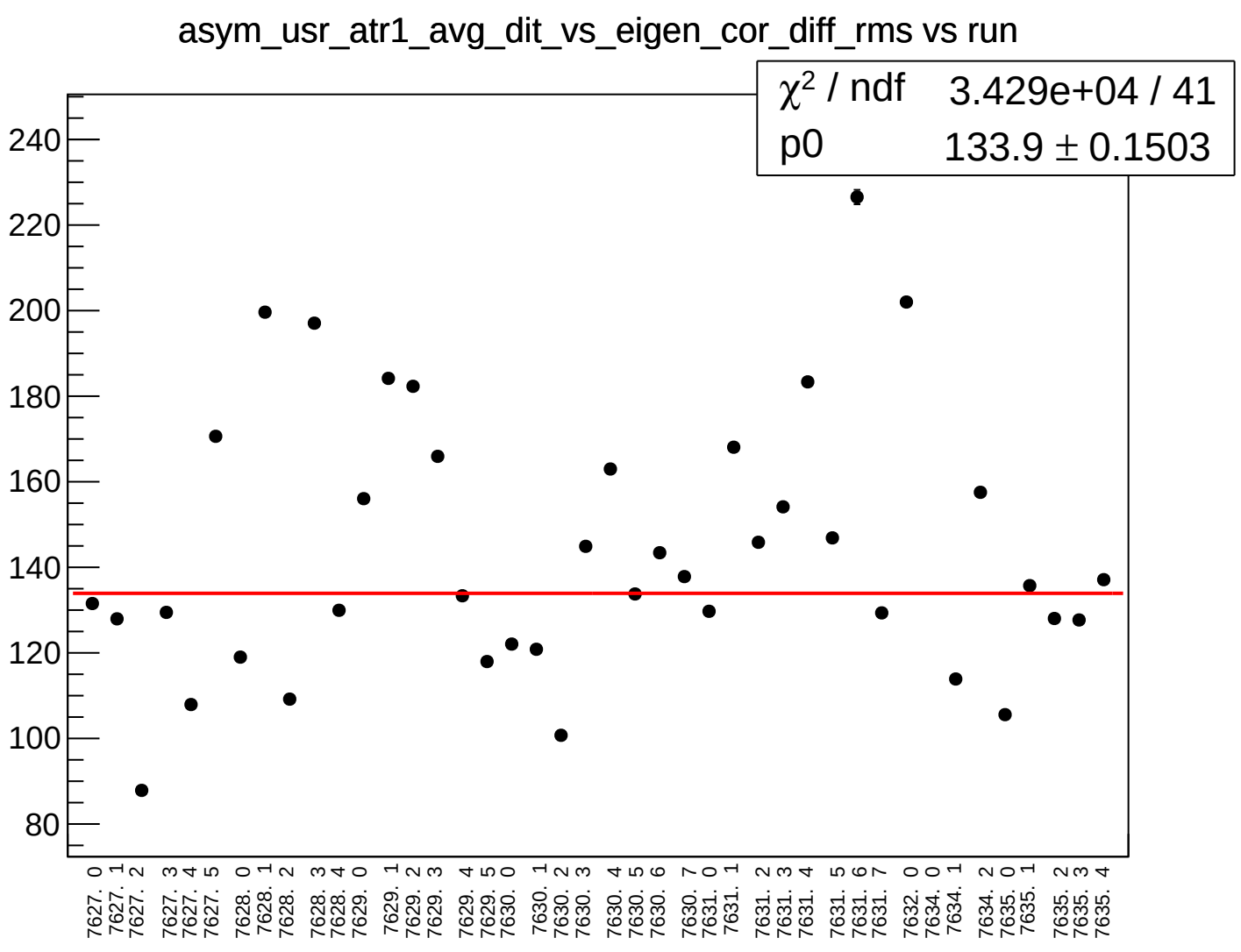

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.32 / 41
p0 −5.991e−13 ± 6.236e−13
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −8.593
Std Dev 11.19
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.05015
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

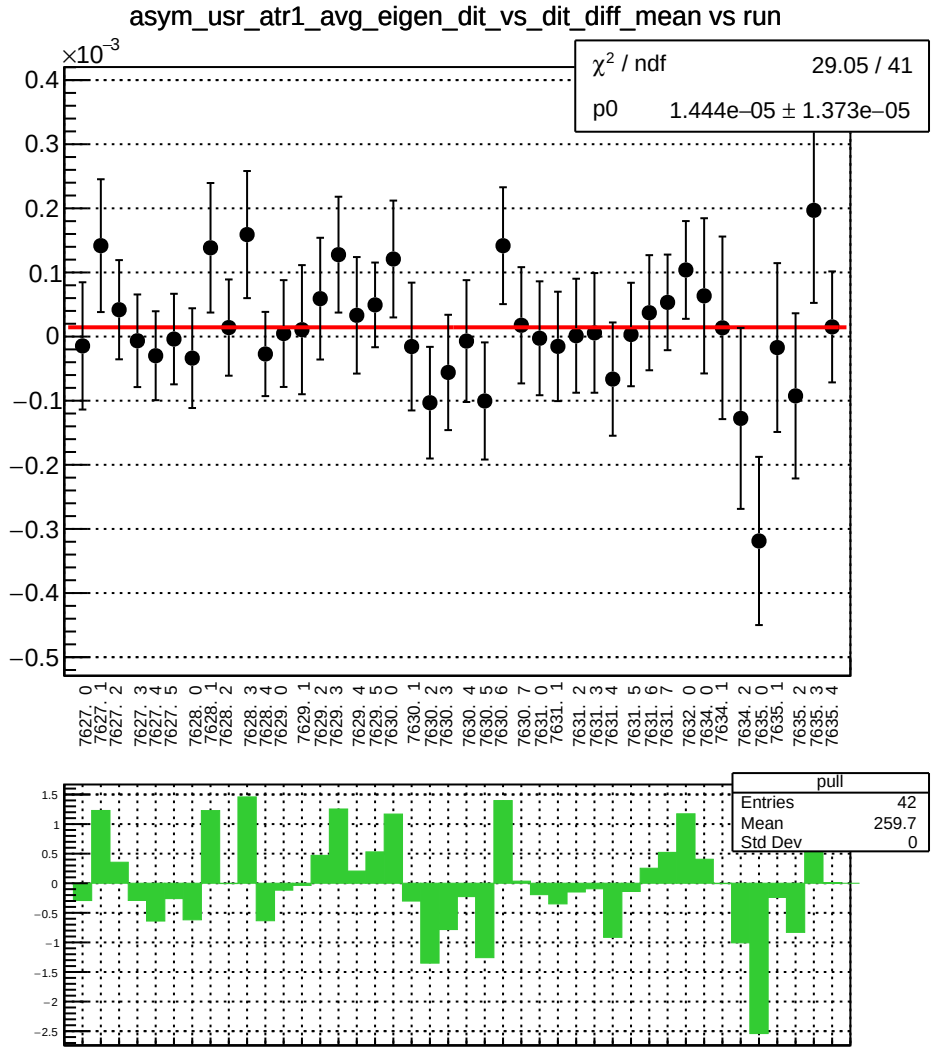

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.932e+05 / 41
p0 2.907e−10 ± 4.409e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

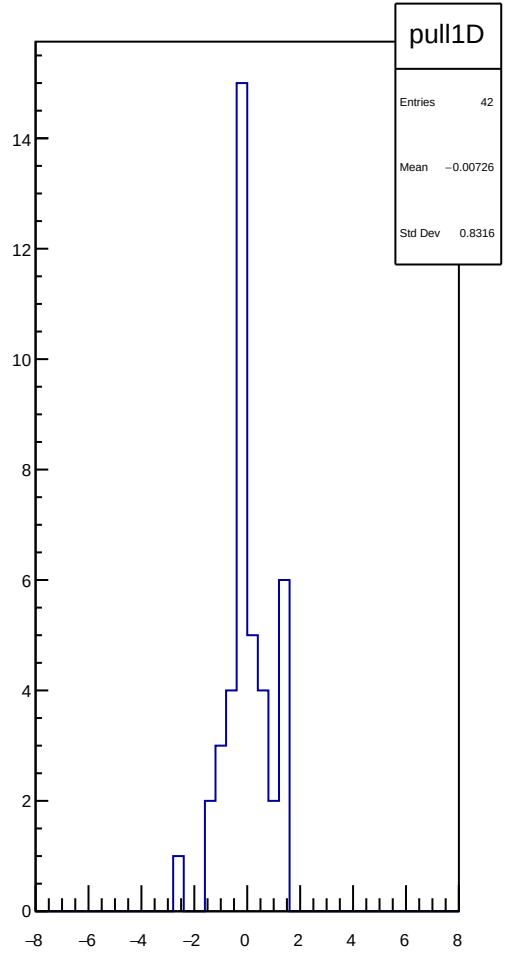

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.82 / 41
p0 0.5272 ± 0.2126
pull
Entries 42
Mean 46.07
Std Dev 0
pull1D
Entries 42
Mean 0.0363
Std Dev 1.009

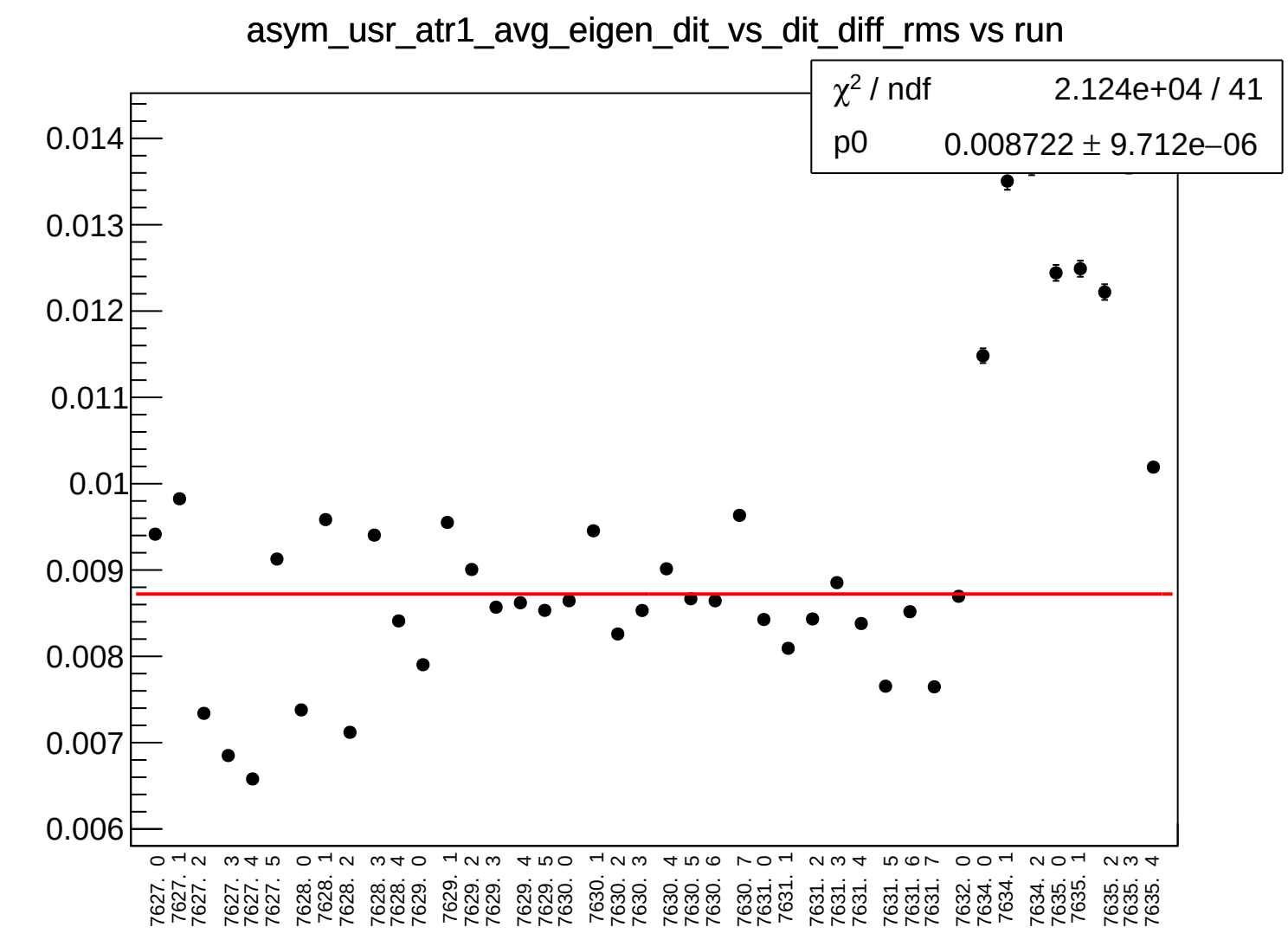

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.429e+04 / 41
p0 133.9 ± 0.1503
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

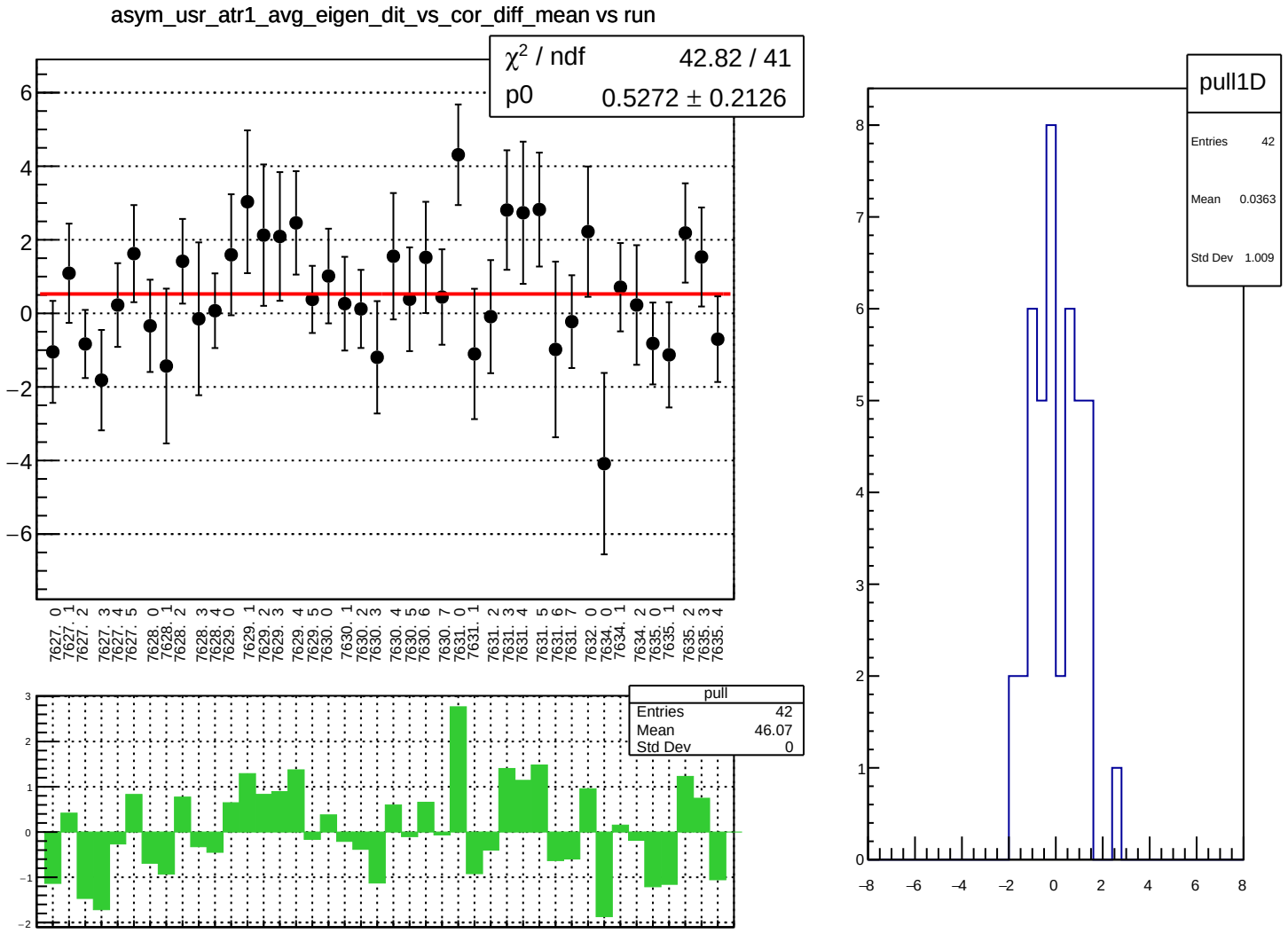

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.82 / 41
p0 0.5272 ± 0.2126
pull
Entries 42
Mean 46.07
Std Dev 0
pull1D
Entries 42
Mean 0.0363
Std Dev 1.009

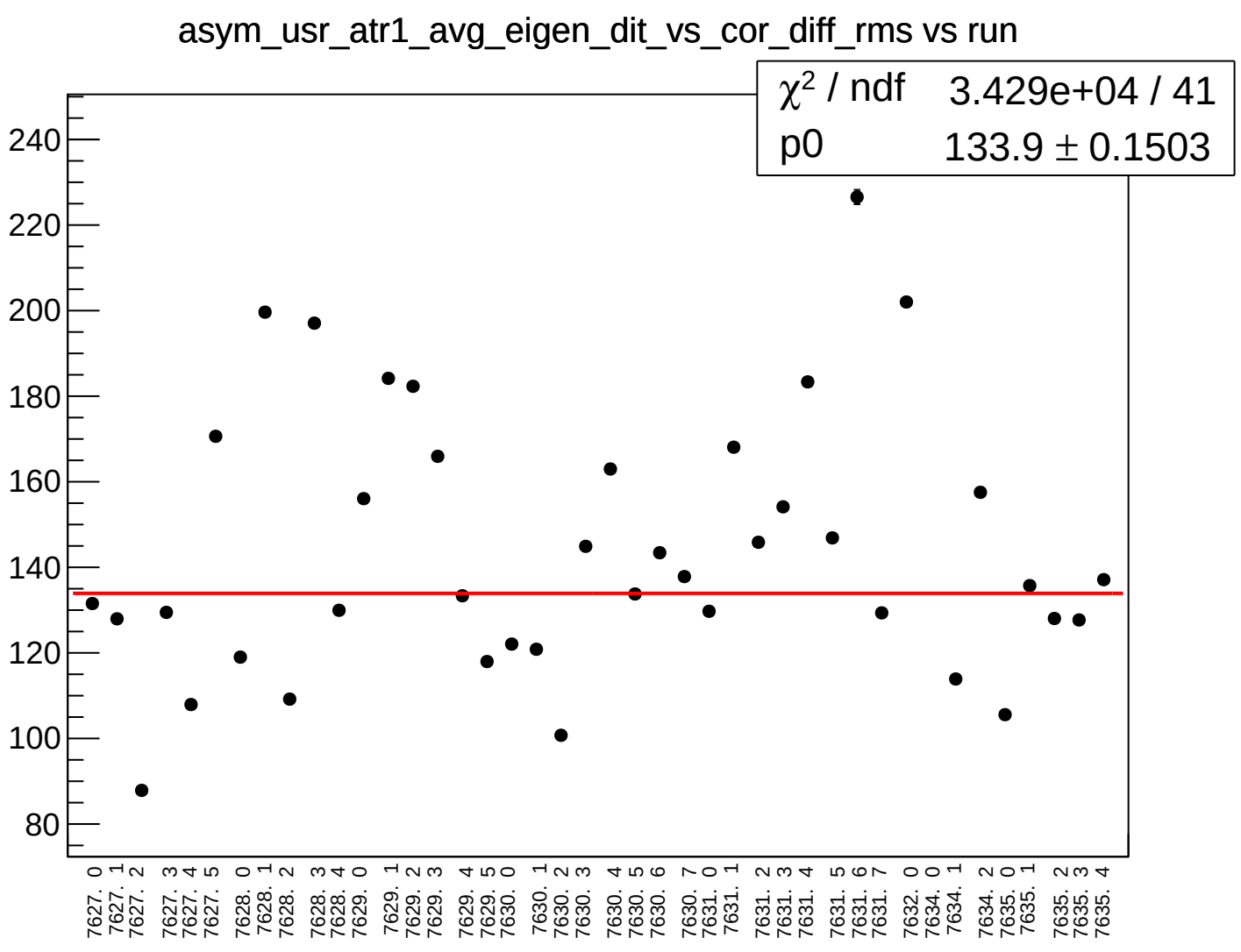

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.429e+04 / 41
p0 133.9 ± 0.1503
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

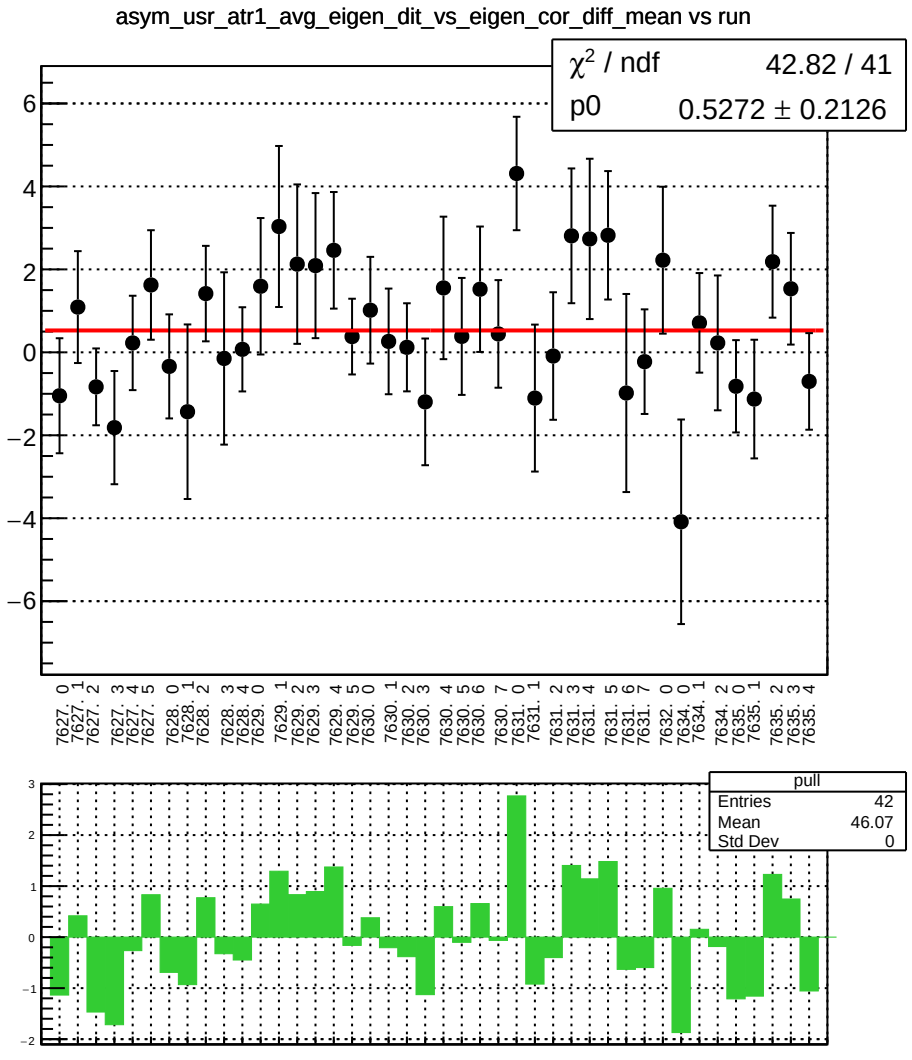

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 29.05 / 41
p0 1.444e−05 ± 1.373e−05
pull
Entries 42
Mean 259.7
Std Dev 0

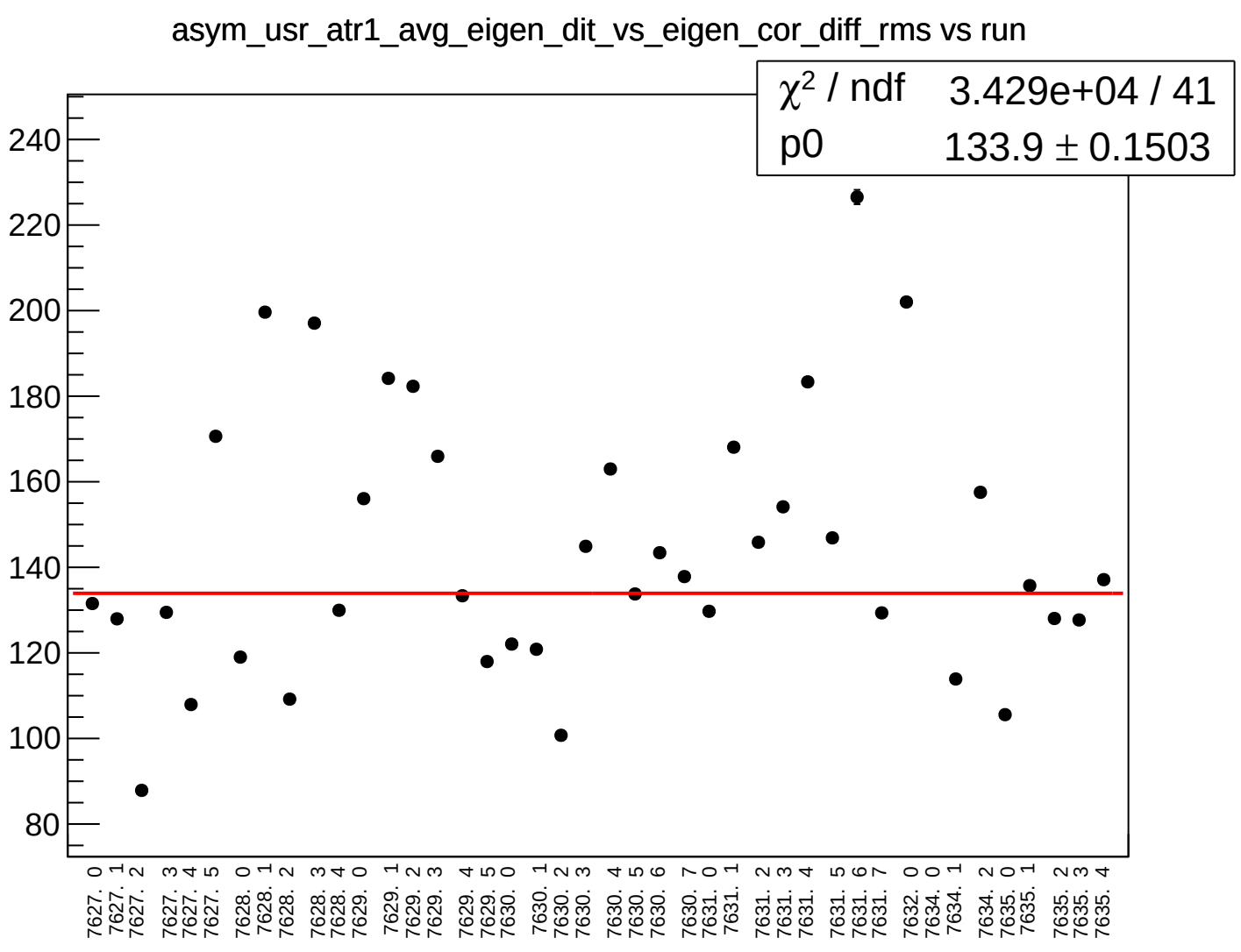

pull1D
Entries 42
Mean −0.00726
Std Dev 0.8316

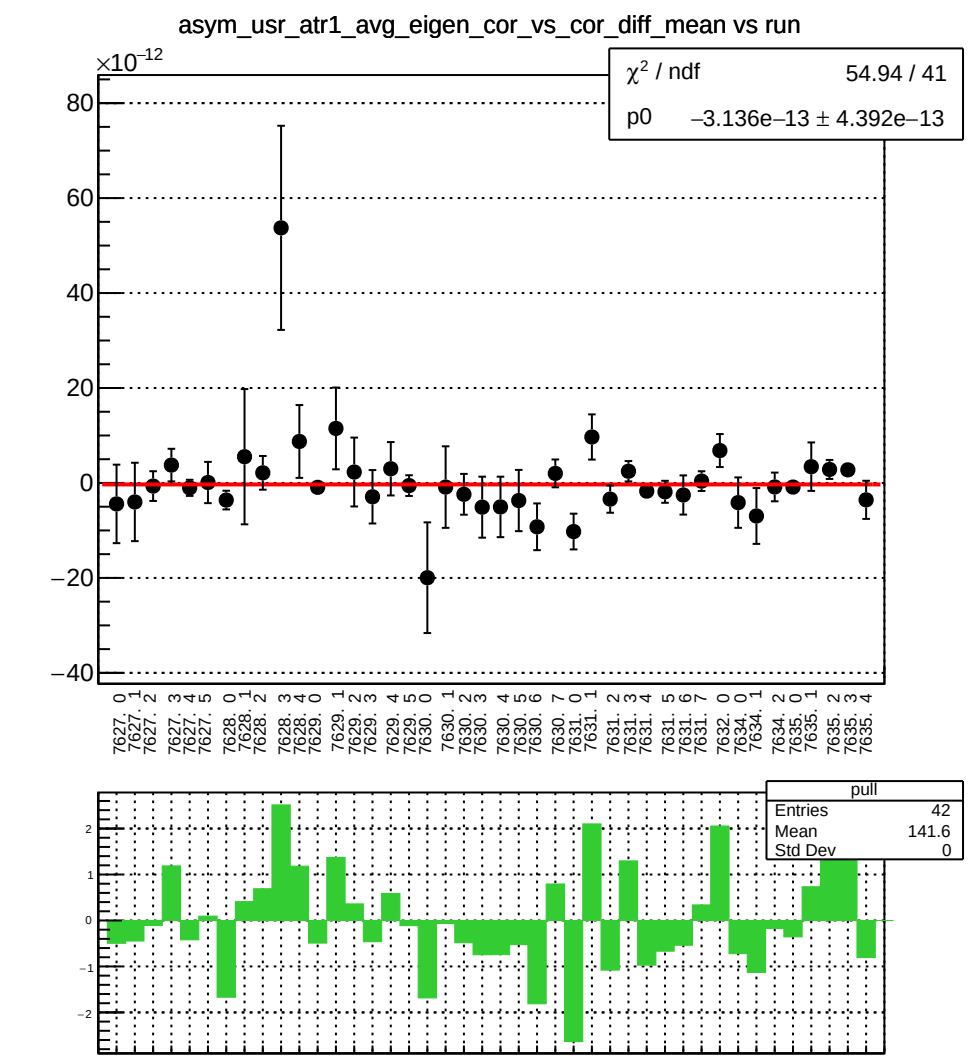

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.124e+04 / 41
p0 0.008722 ± 9.712e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

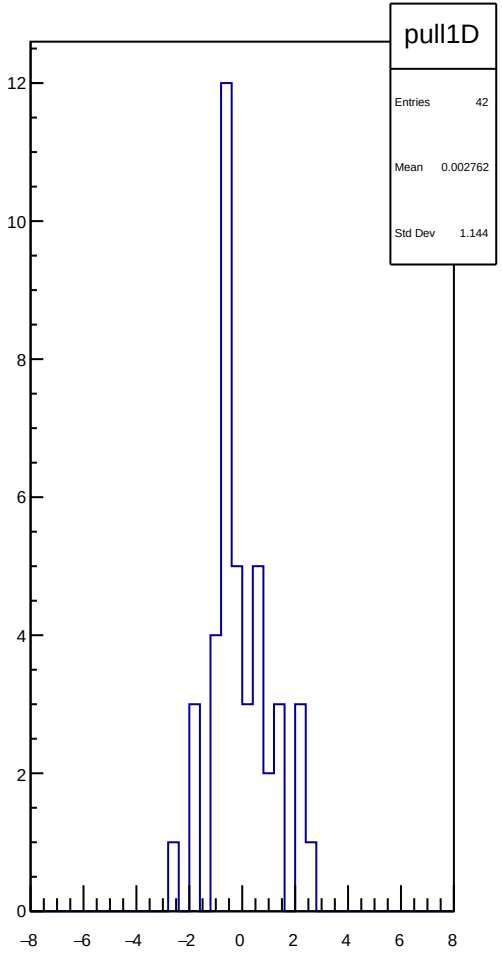

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.82 / 41
p0 0.5272 ± 0.2126
pull
Entries 42
Mean 46.07
Std Dev 0
pull1D
Entries 42
Mean 0.0363
Std Dev 1.009

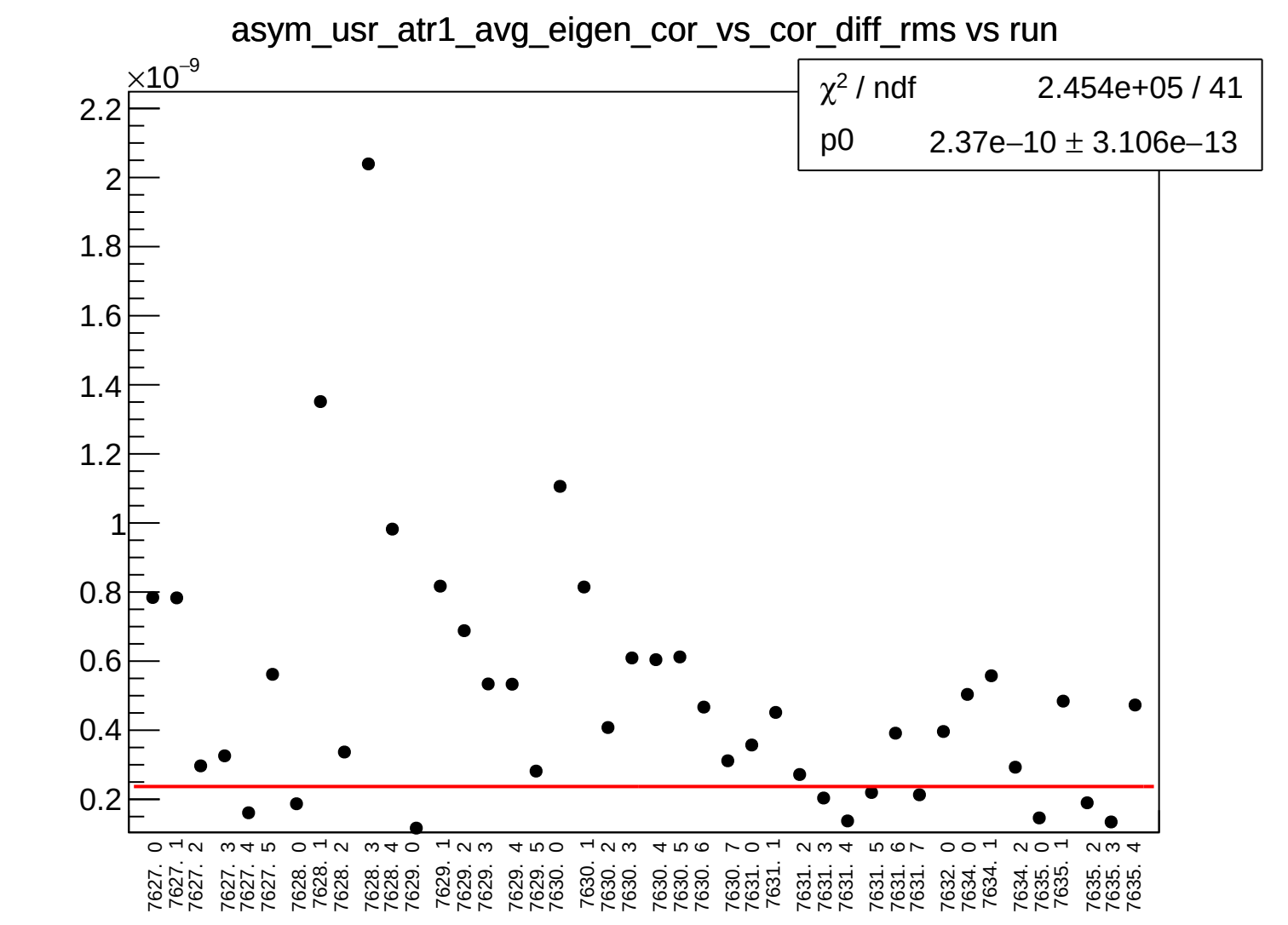

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.429e+04 / 41
p0 133.9 ± 0.1503
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

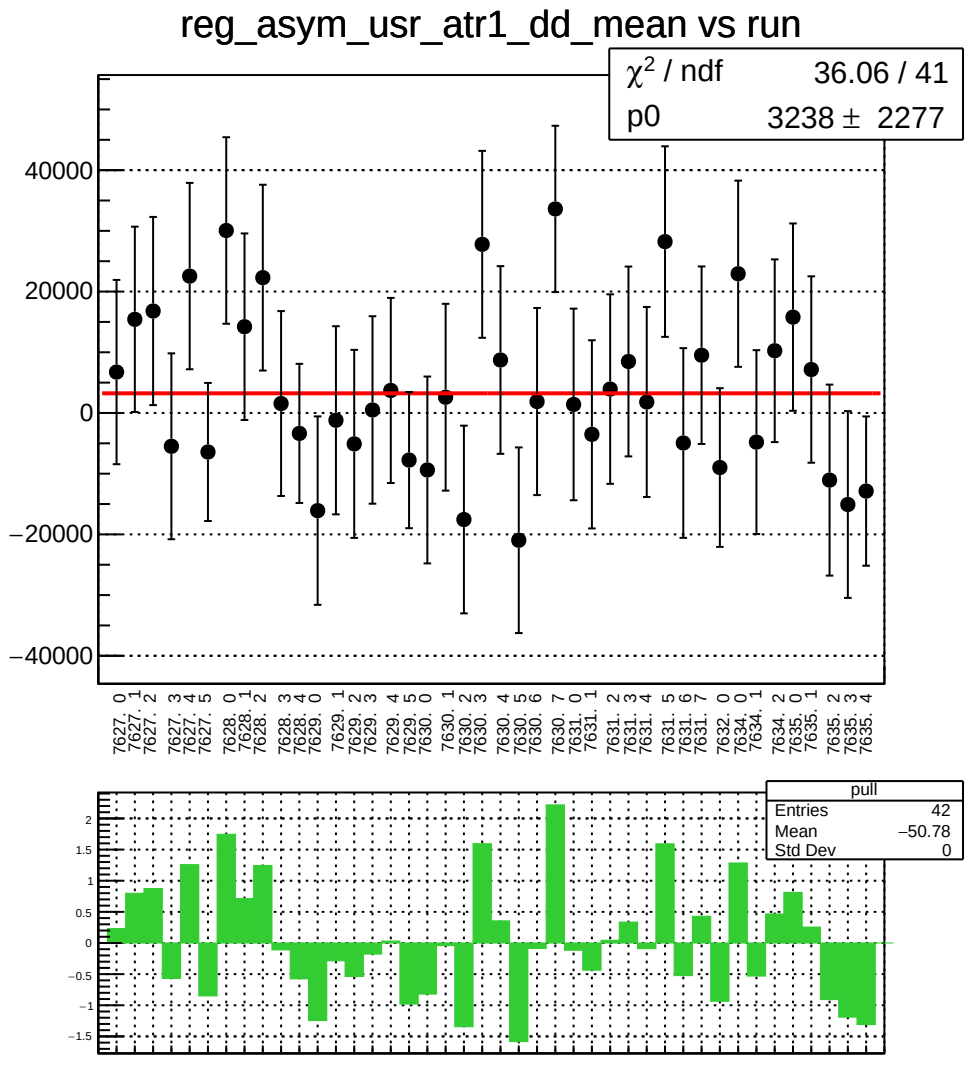

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.82 / 41
p0 0.5272 ± 0.2126
pull
Entries 42
Mean 46.07
Std Dev 0
pull1D
Entries 42
Mean 0.0363
Std Dev 1.009

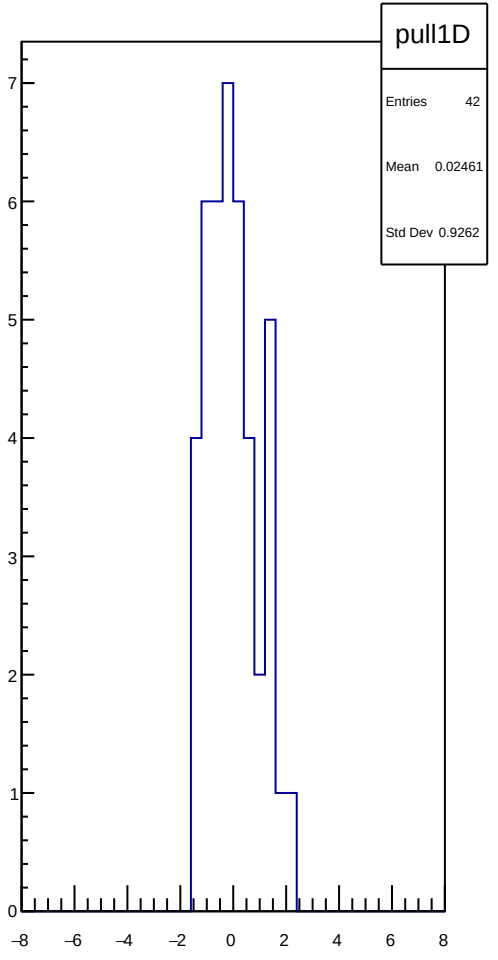

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.429e+04 / 41
p0 133.9 ± 0.1503
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

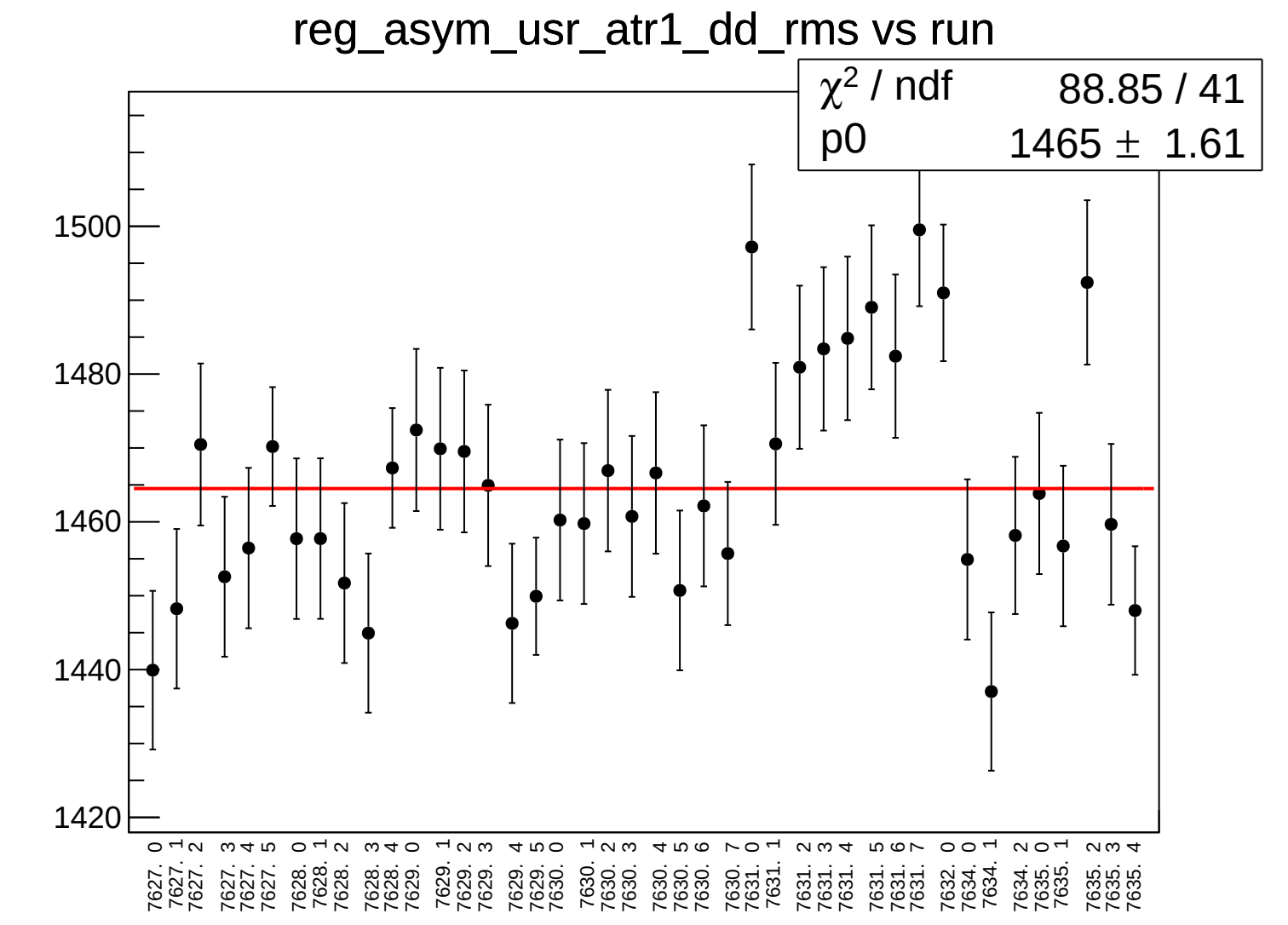

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.94 / 41
p0 −3.136e−13 ± 4.392e−13
pull
Entries 42
Mean 141.6
Std Dev 0

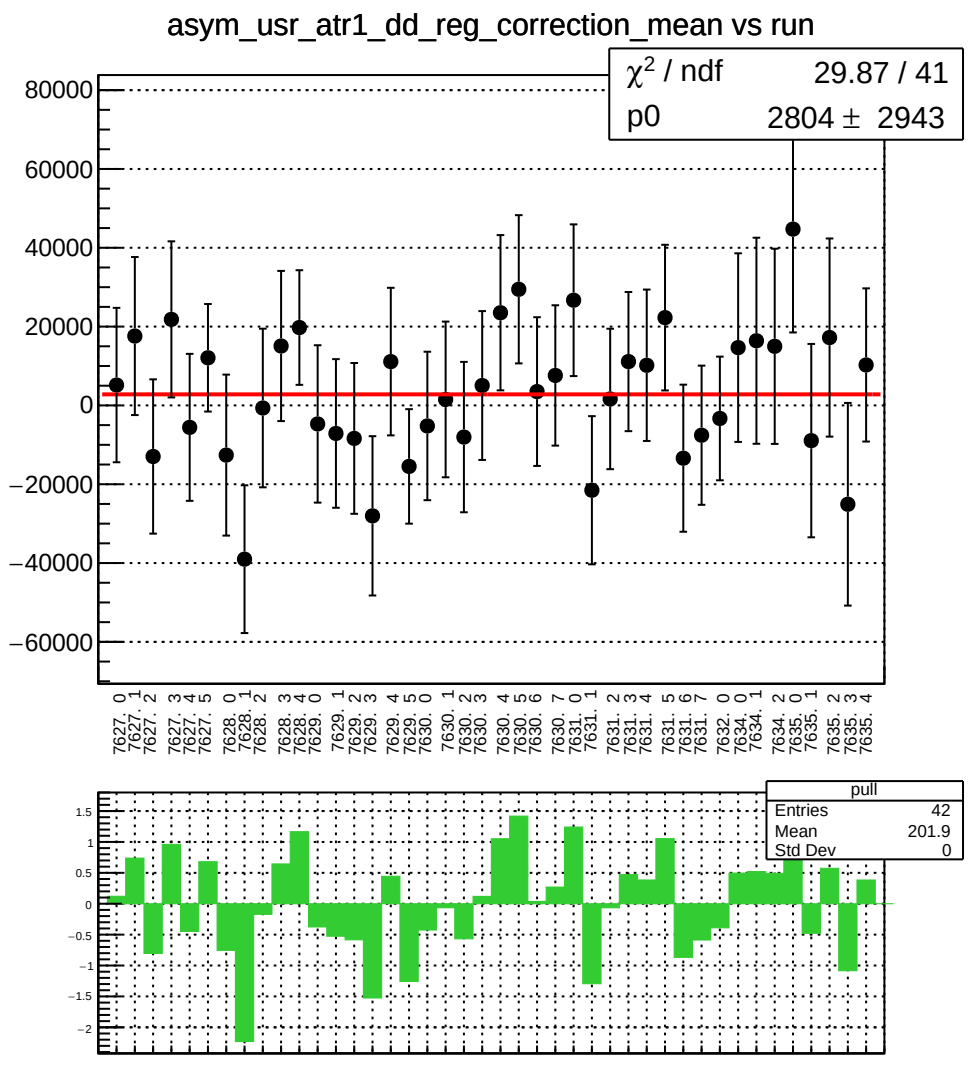

pull1D
Entries 42
Mean 0.002762
Std Dev 1.144

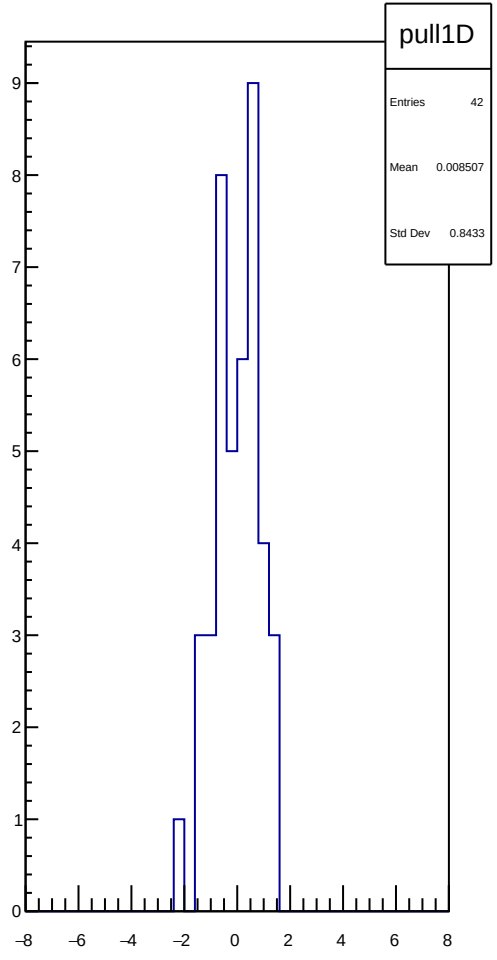

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.454e+05 / 41
p0 2.37e−10 ± 3.106e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

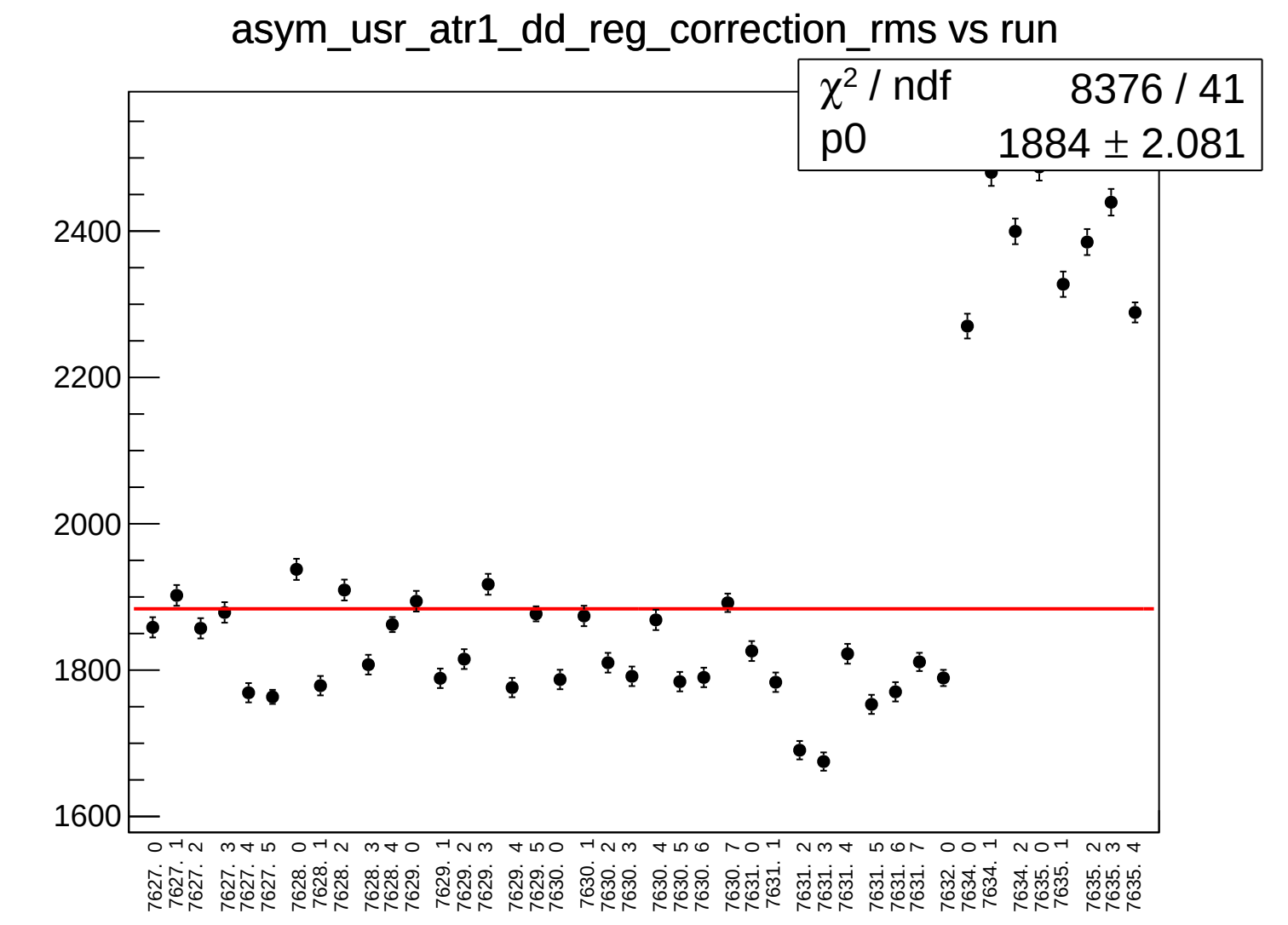

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 36.06 / 41
p0 3238 ± 2277
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −50.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

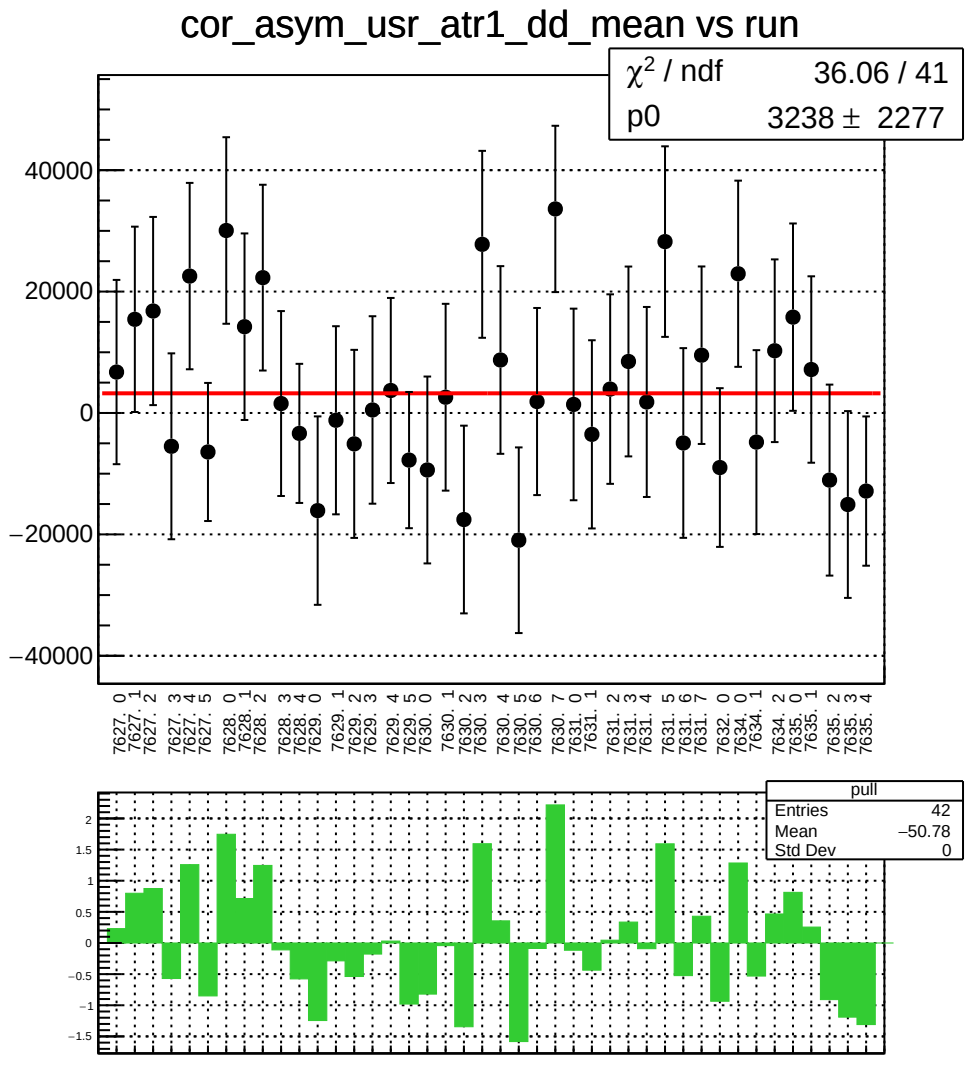

pull1D
Entries 42
Mean 0.02461
Std Dev 0.9262
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

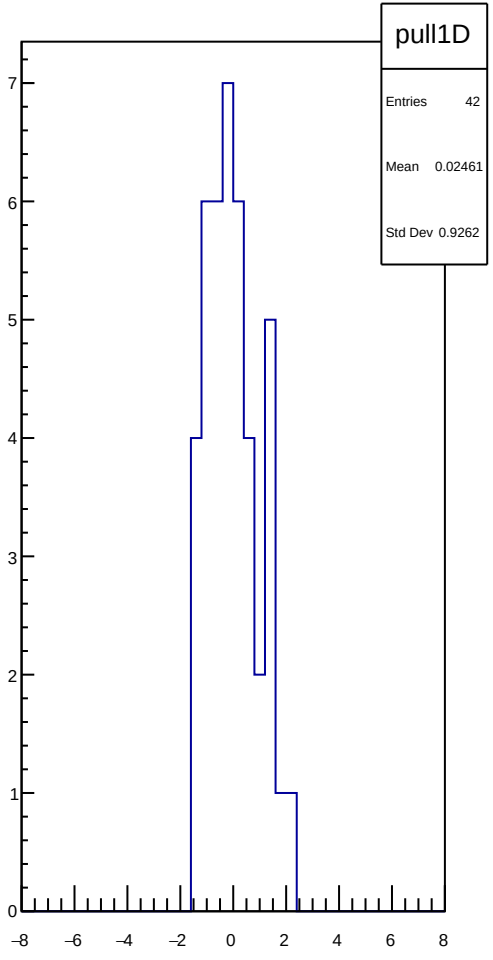

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 88.85 / 41
p0 1465 ± 1.61
1500
1480
1460
1440
1420
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

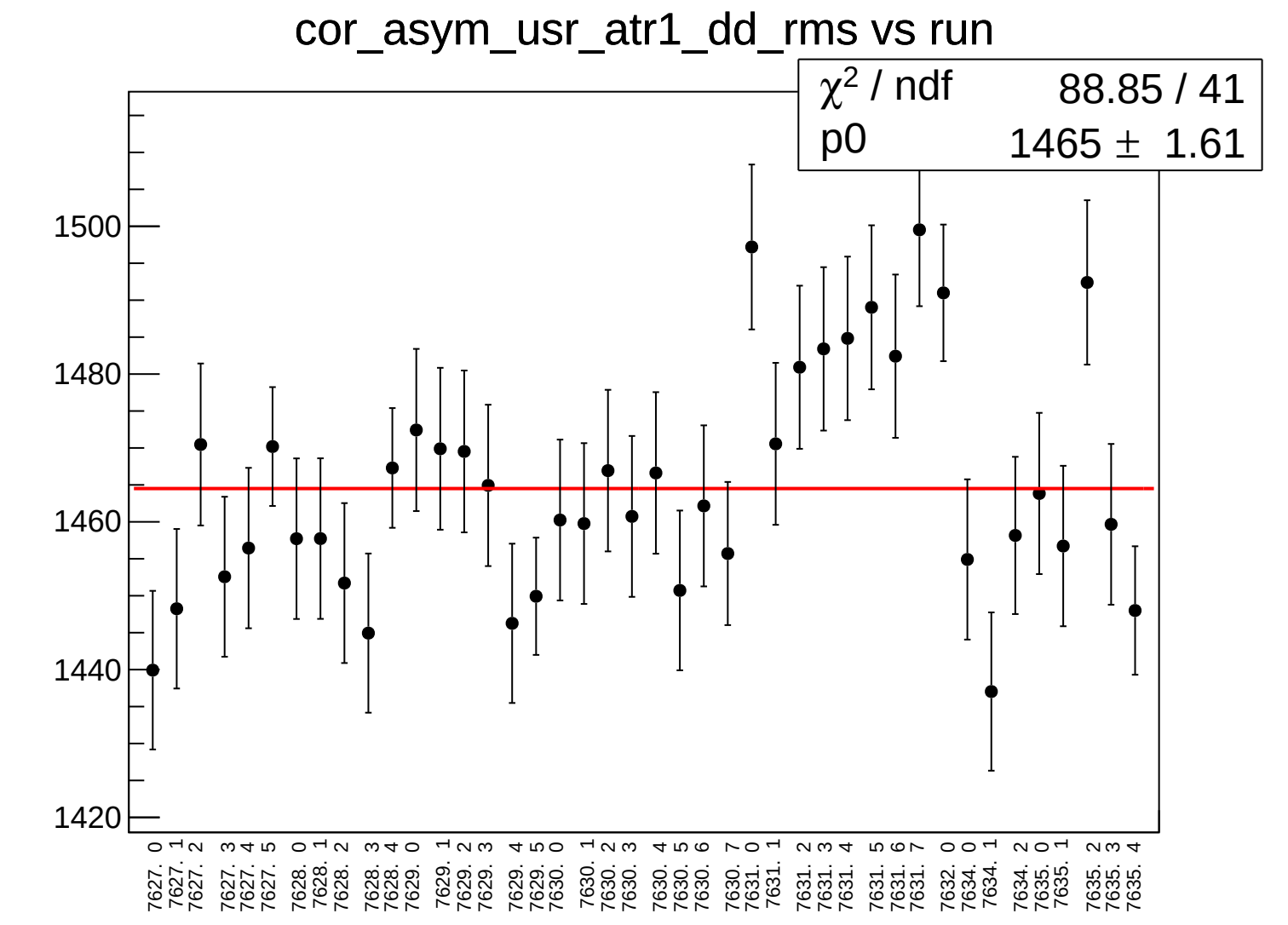

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 29.87 / 41
p0 2804 ± 2943
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 201.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

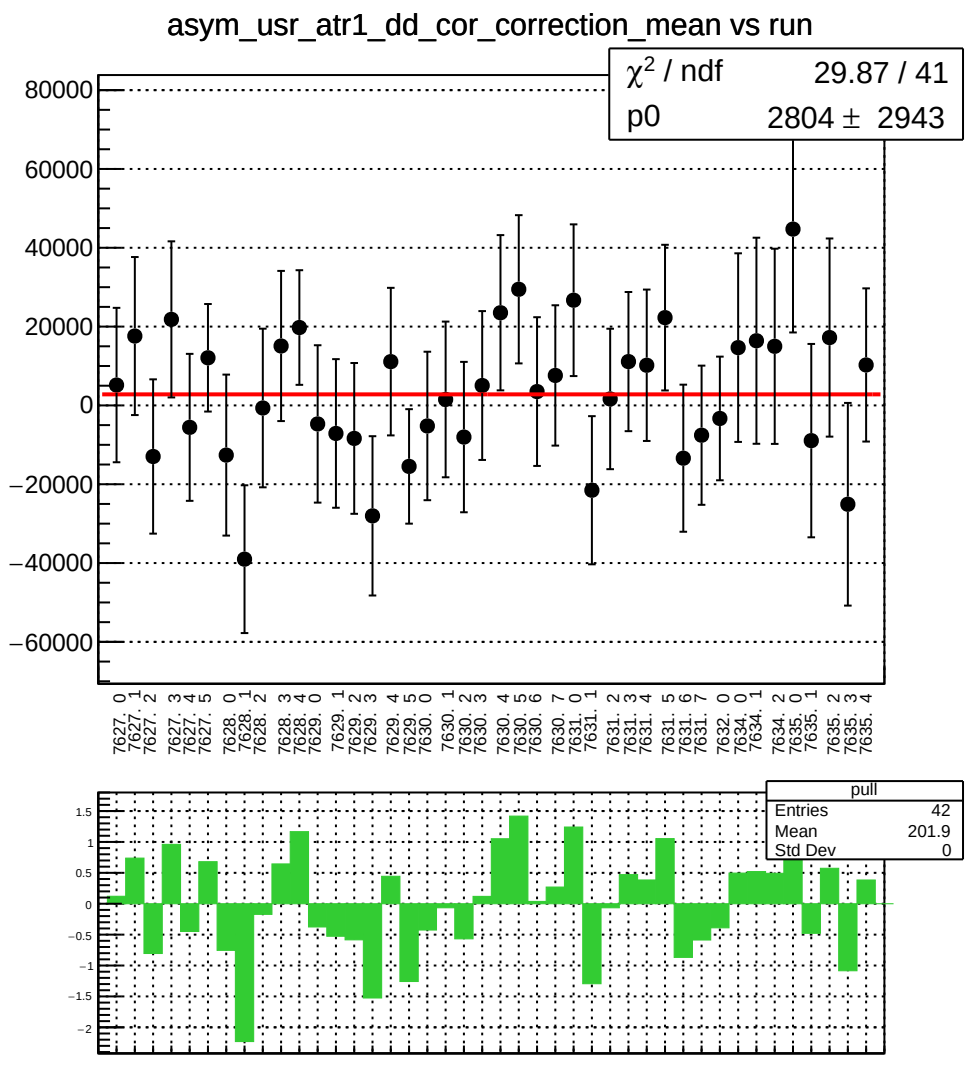

pull1D
Entries 42
Mean 0.008507
Std Dev 0.8433
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

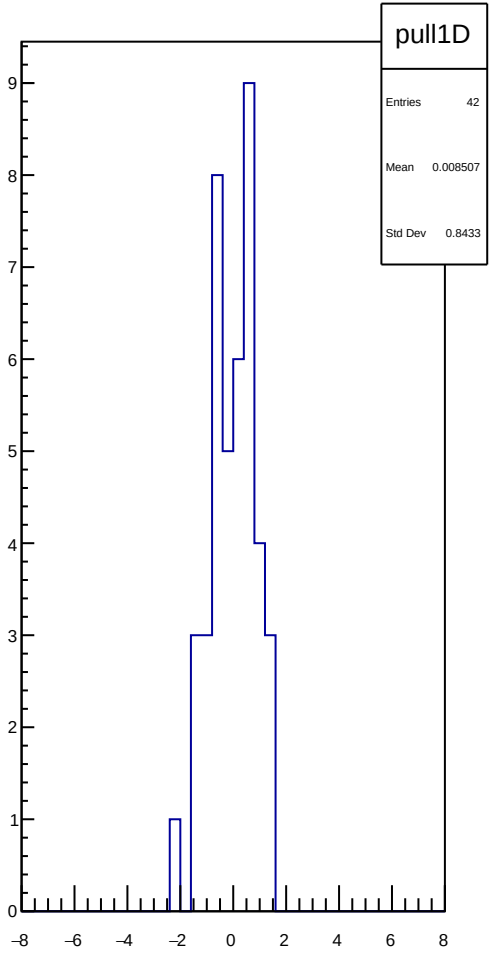

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 8376 / 41
p0 1884 ± 2.081
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

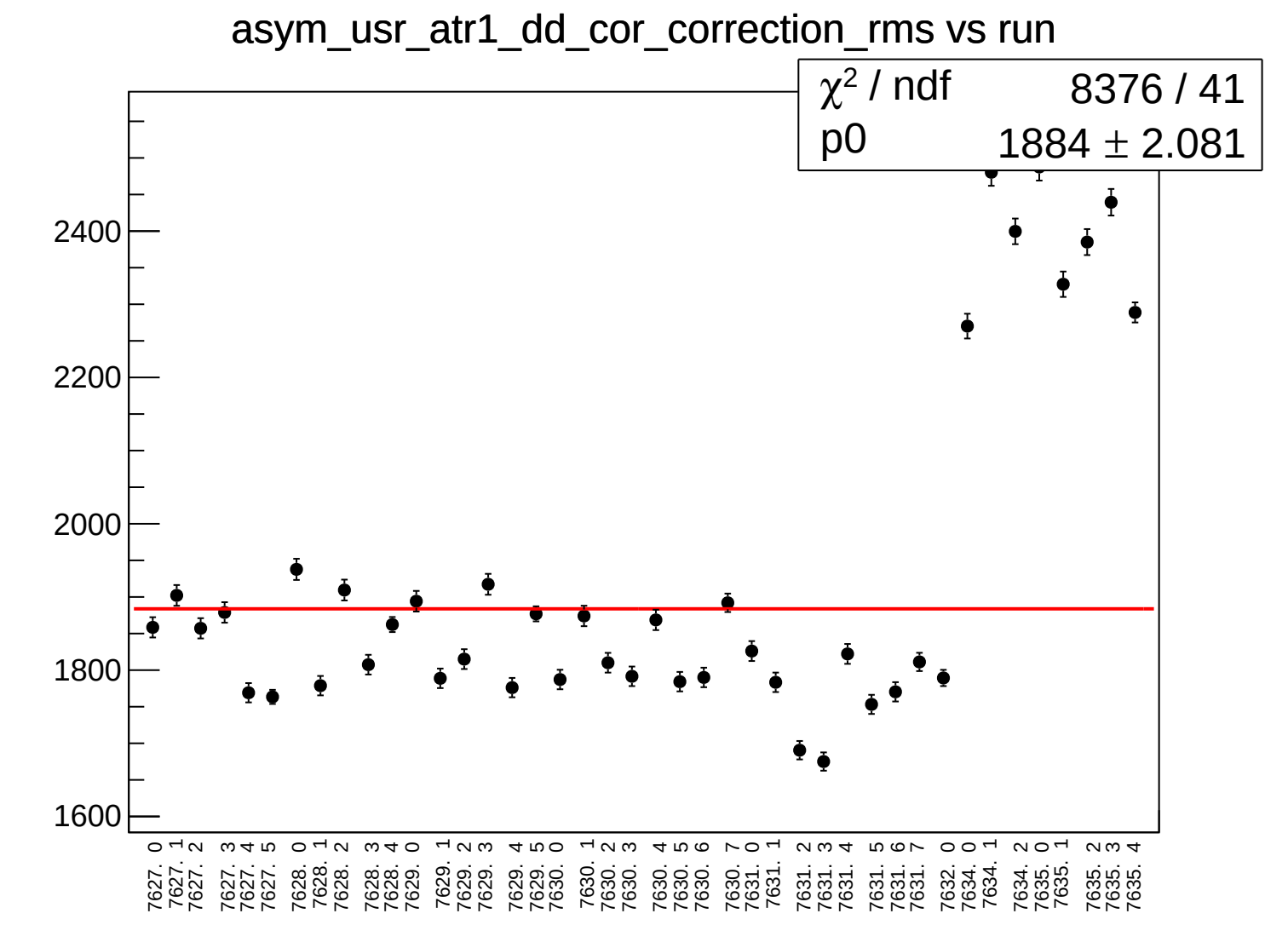

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 36.06 / 41
p0 3238 ± 2277
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −50.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

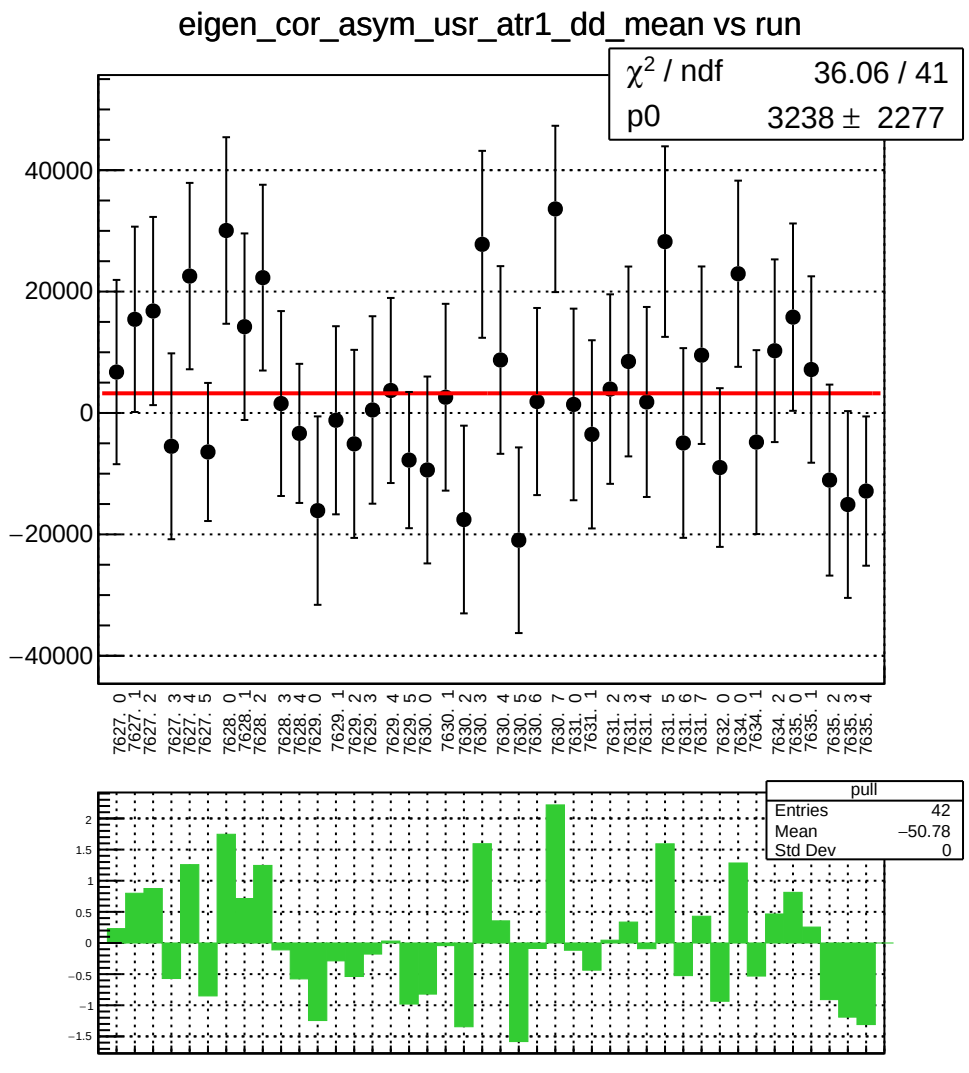

pull1D
Entries 42
Mean 0.02461
Std Dev 0.9262
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

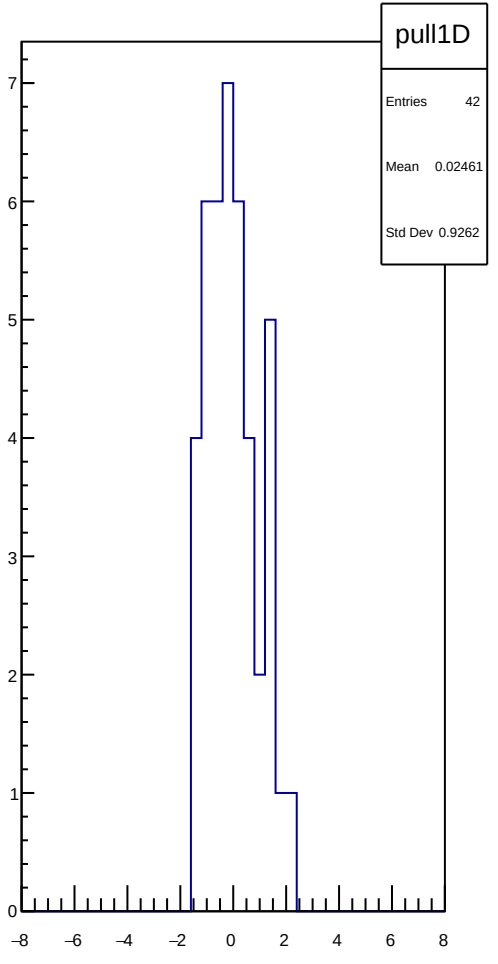

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 88.85 / 41
p0 1465 ± 1.61
1500
1480
1460
1440
1420
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

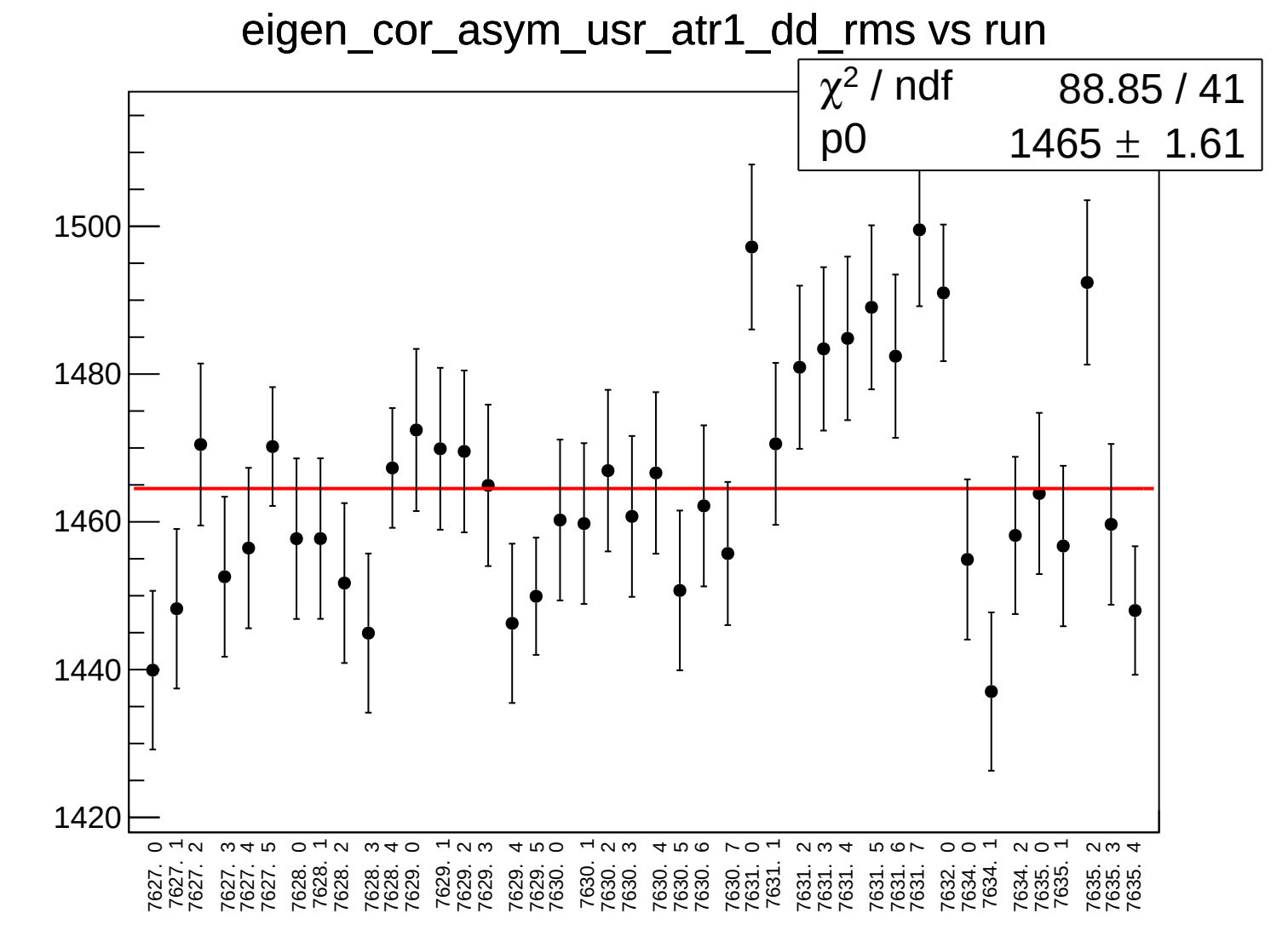

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 29.87 / 41
p0 2804 ± 2943
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 201.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

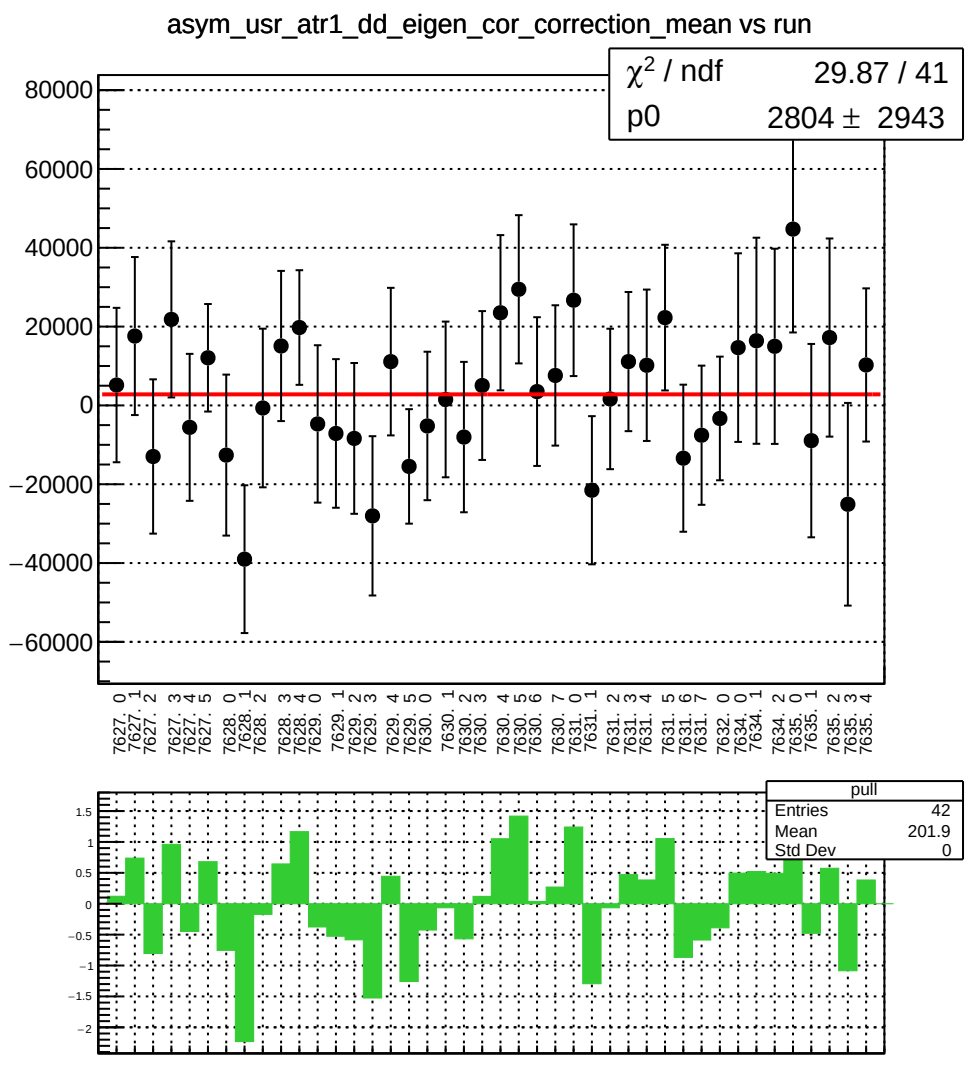

pull1D
Entries 42
Mean 0.008507
Std Dev 0.8433
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

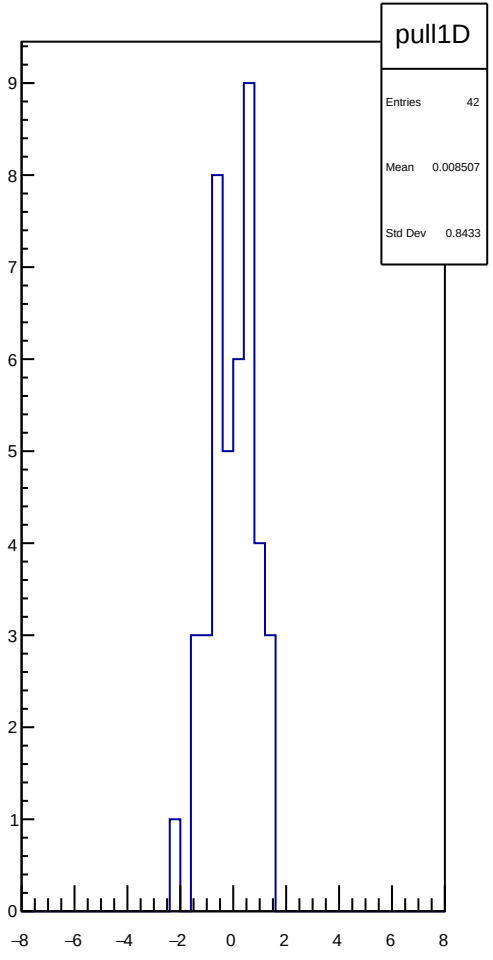

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 8376 / 41
p0 1884 ± 2.081
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

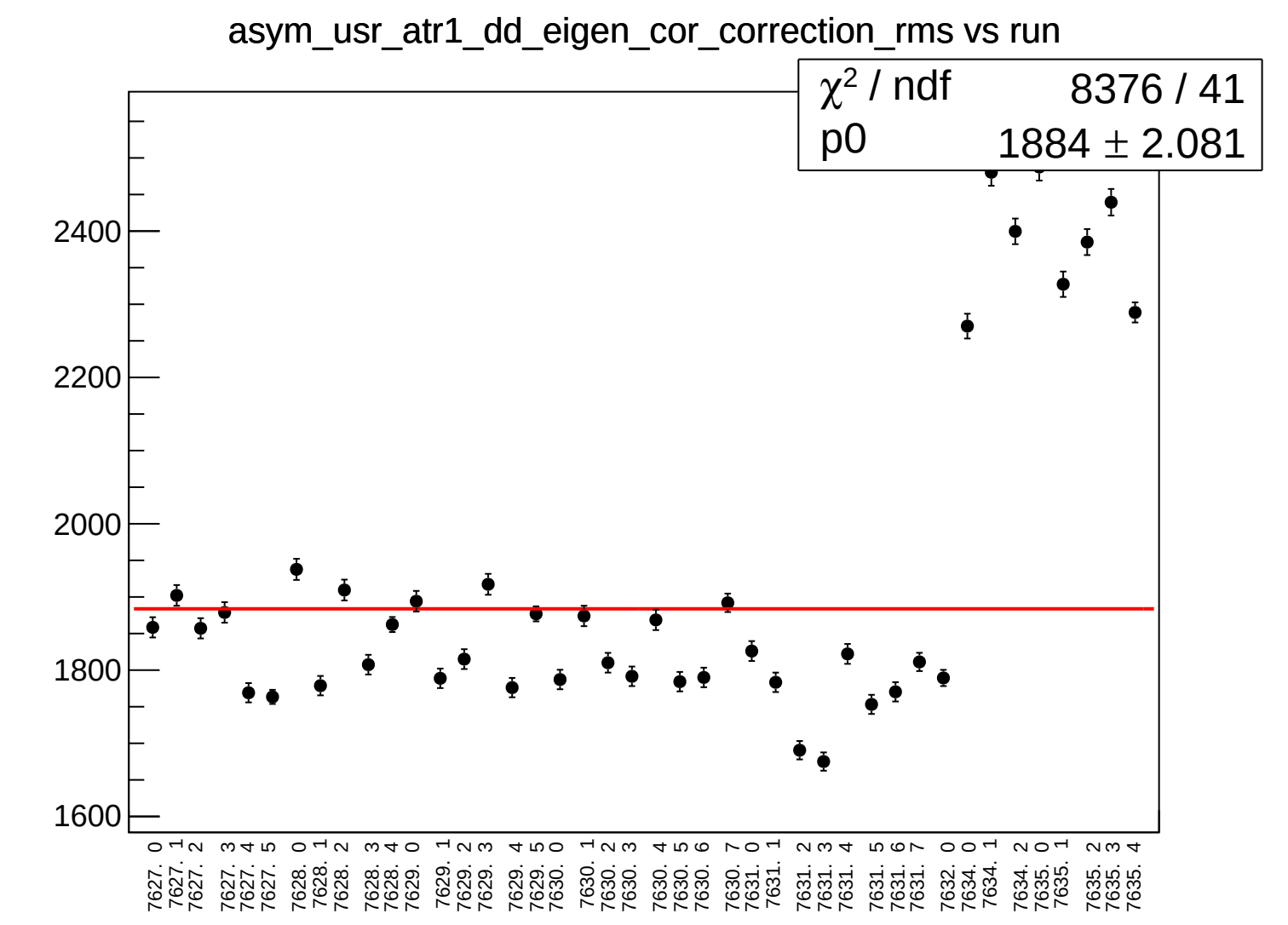

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 36.06 / 41
p0 3238 ± 2277
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −50.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

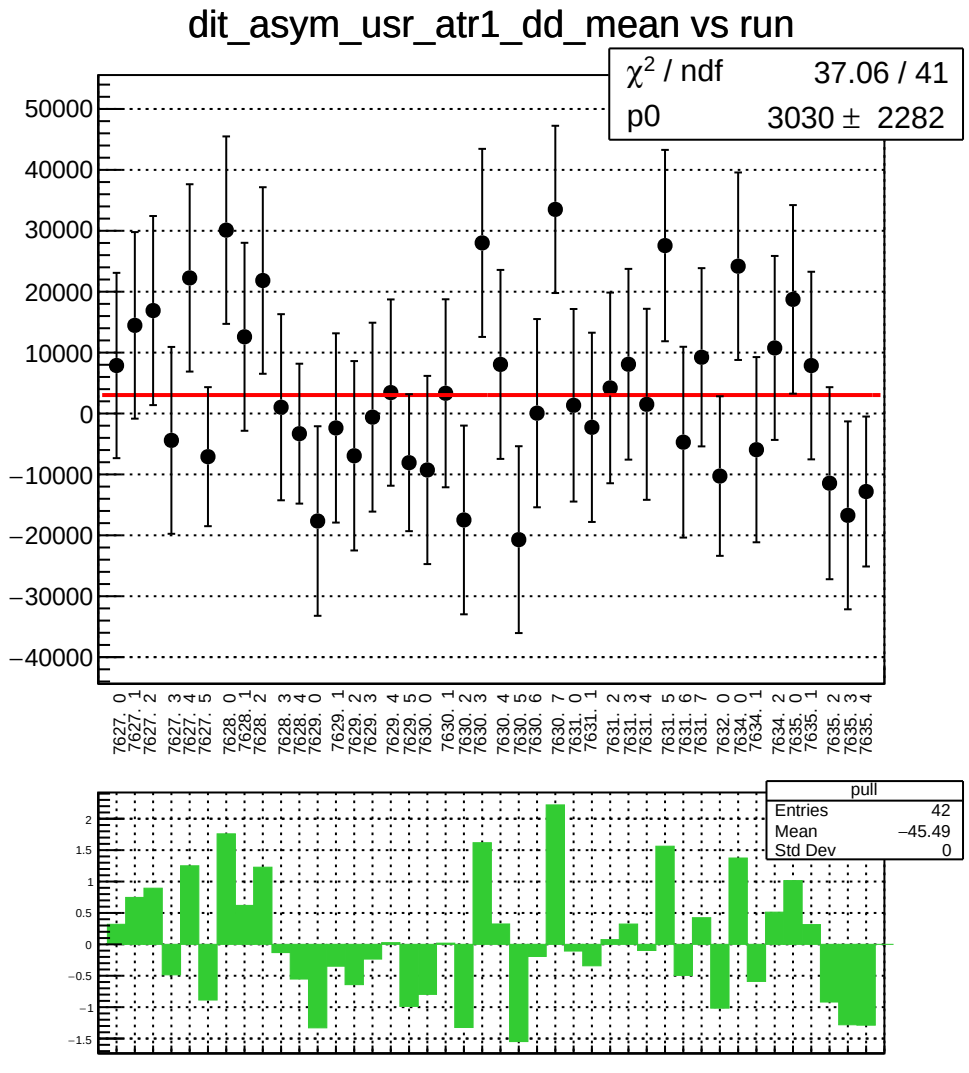

pull1D
Entries 42
Mean 0.02461
Std Dev 0.9262
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

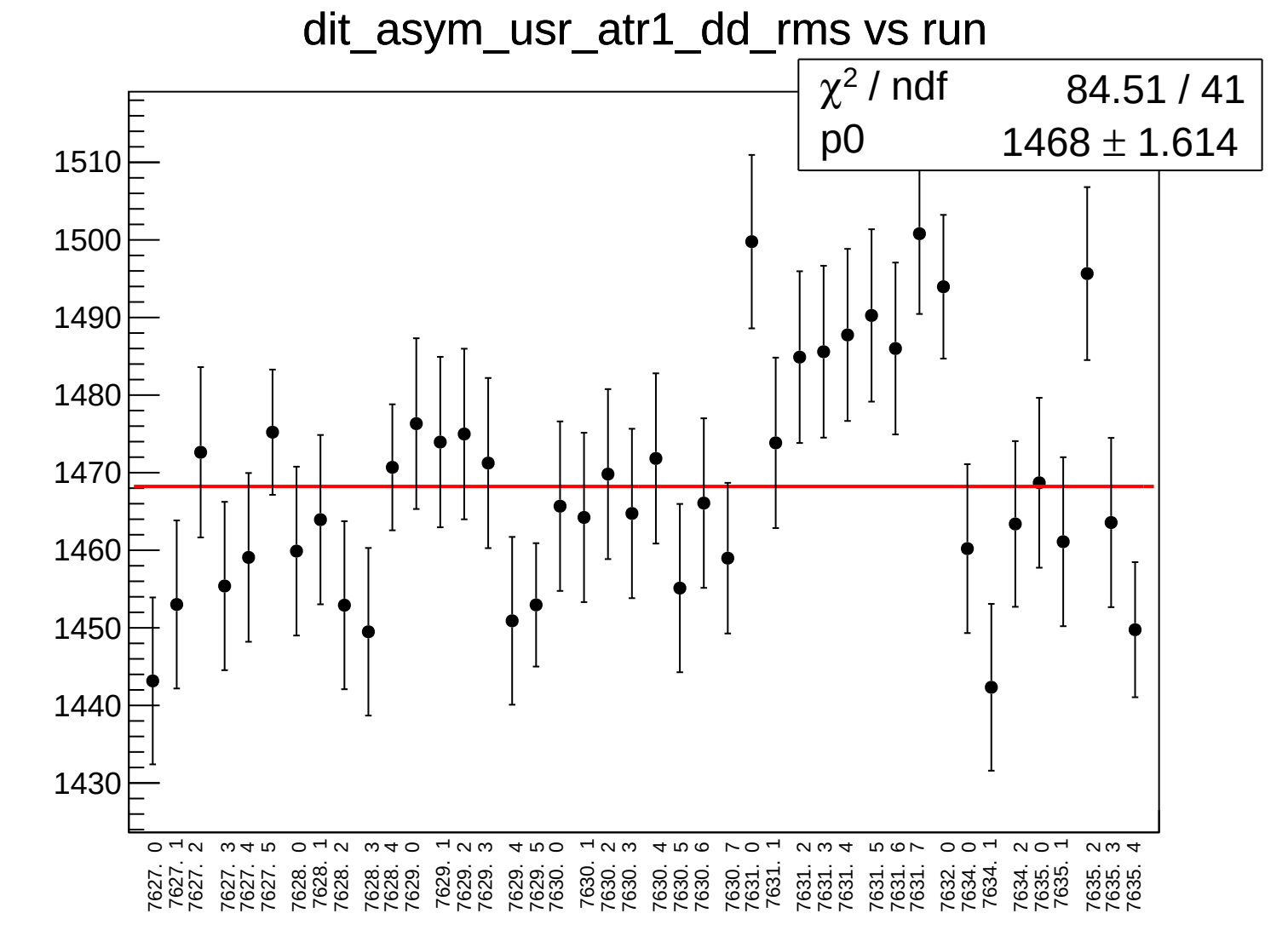

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 88.85 / 41
p0 1465 ± 1.61
1500
1480
1460
1440
1420
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

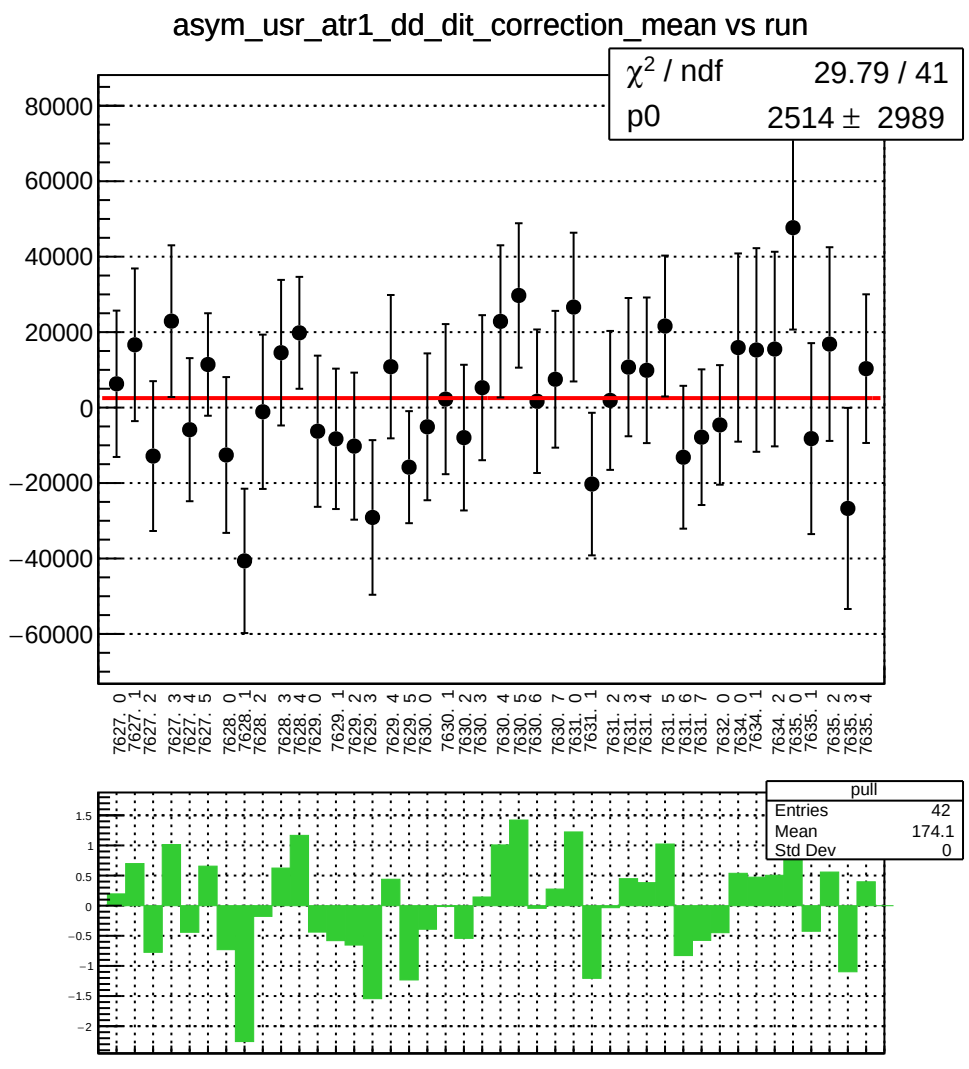

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 29.87 / 41
p0 2804 ± 2943
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 201.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

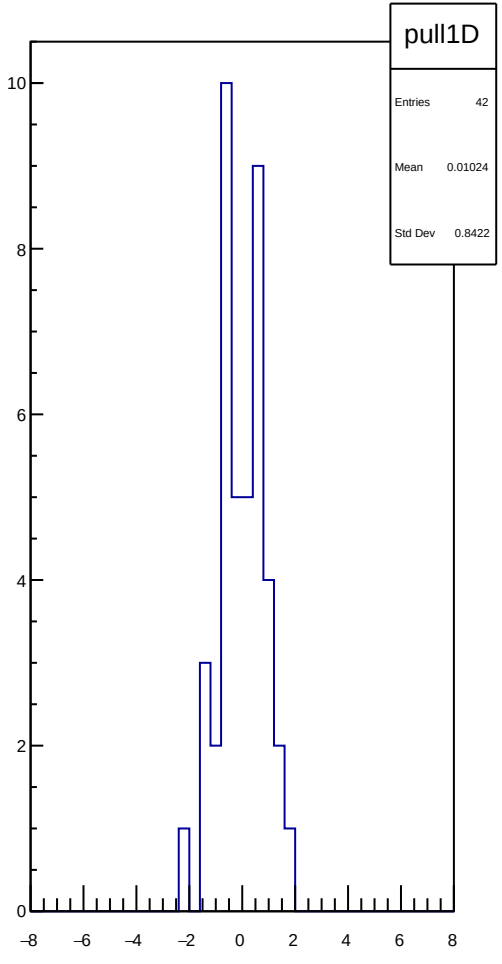

pull1D
Entries 42
Mean 0.008507
Std Dev 0.8433
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

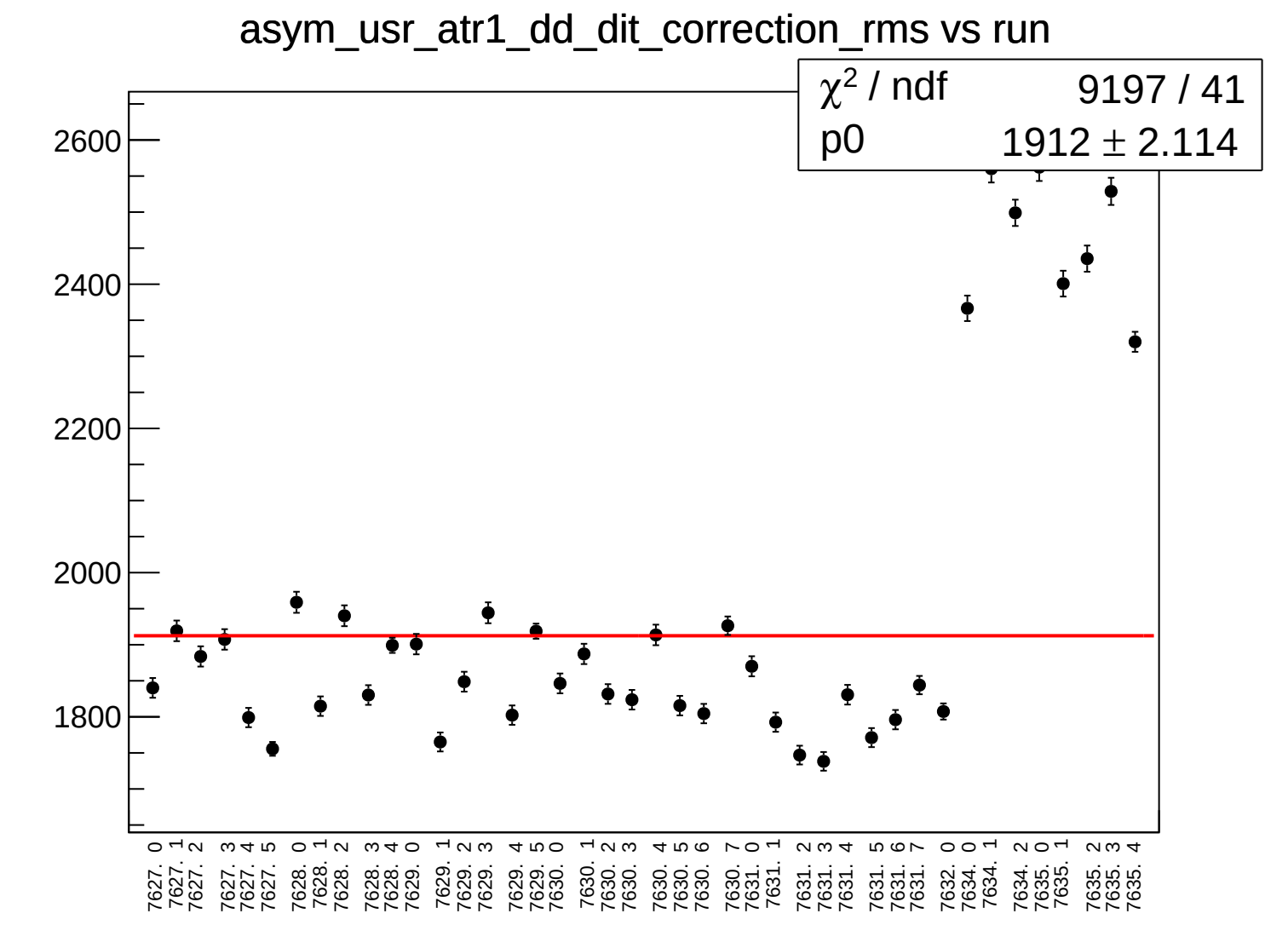

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 8376 / 41
p0 1884 ± 2.081
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 37.06 / 41
p0 3030 ± 2282
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −45.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.02481
Std Dev 0.939
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 84.51 / 41
p0 1468 ± 1.614
1510
1500
1490
1480
1470
1460
1450
1440
1430
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 29.79 / 41
p0 2514 ± 2989
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 174.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.01024
Std Dev 0.8422
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 9197 / 41
p0 1912 ± 2.114
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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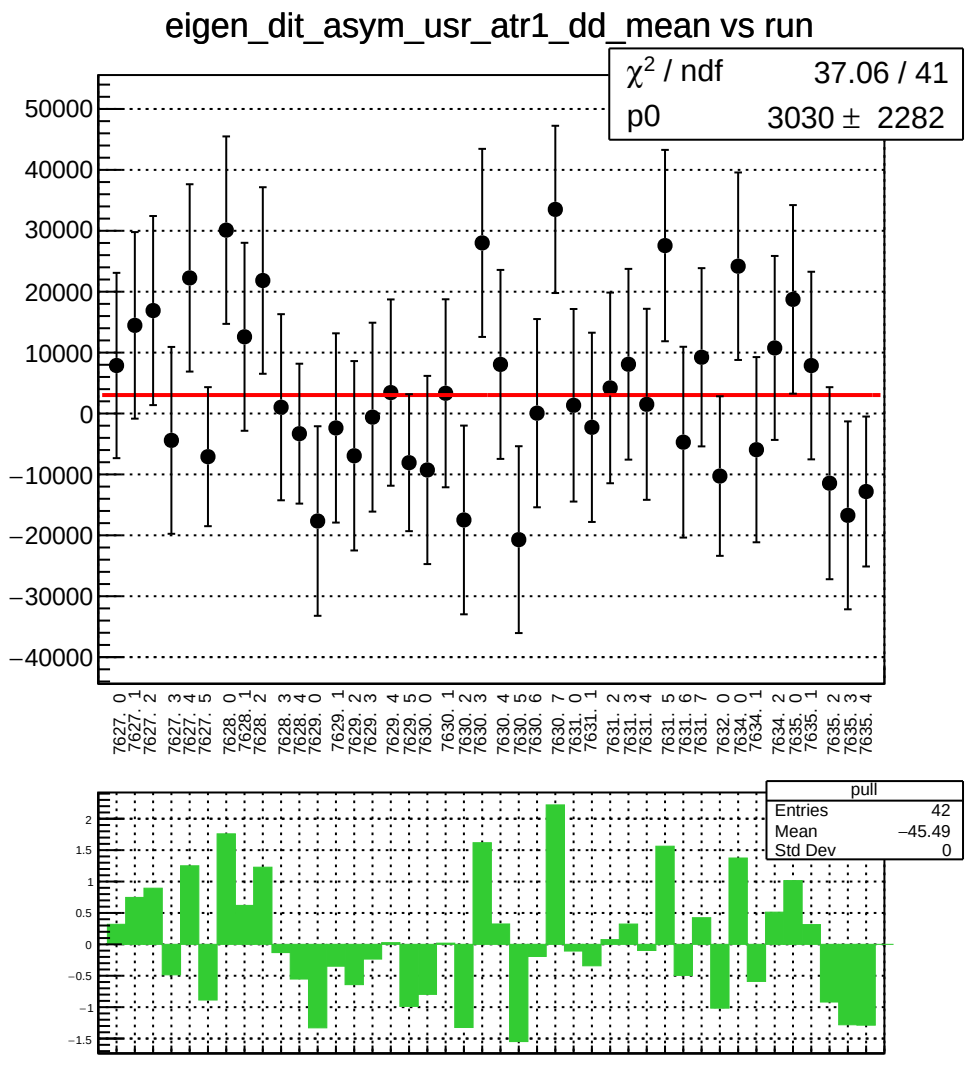
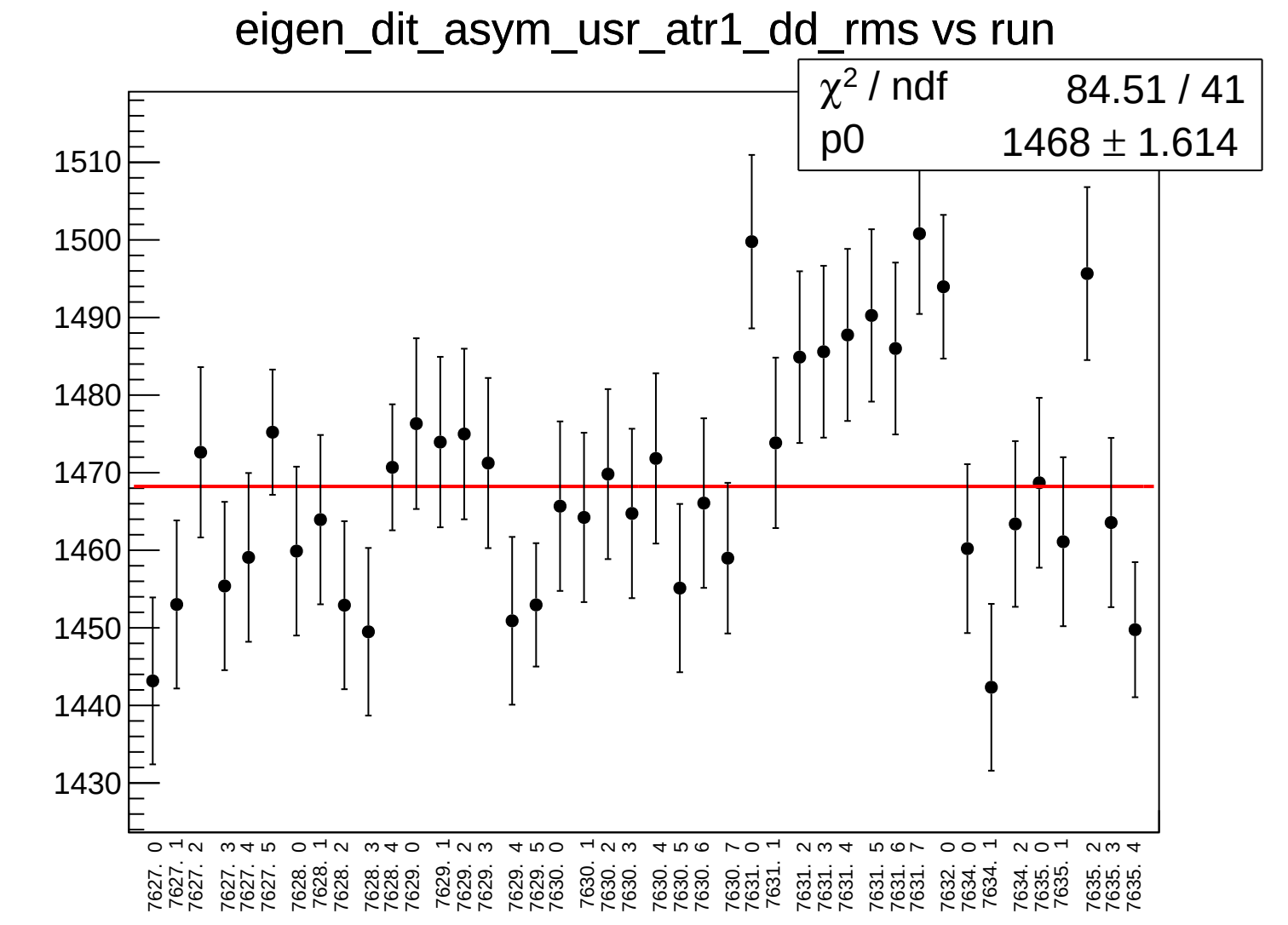
7635. 3
7635. 4


eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 37.06 / 41
p0 3030 ± 2282
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −45.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.02481
Std Dev 0.939
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 84.51 / 41
p0 1468 ± 1.614
1510
1500
1490
1480
1470
1460
1450
1440
1430
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
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7630. 4
7630. 5
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
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7631. 6
7631. 7
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7634. 0
7634. 1
7634. 2
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7635. 1
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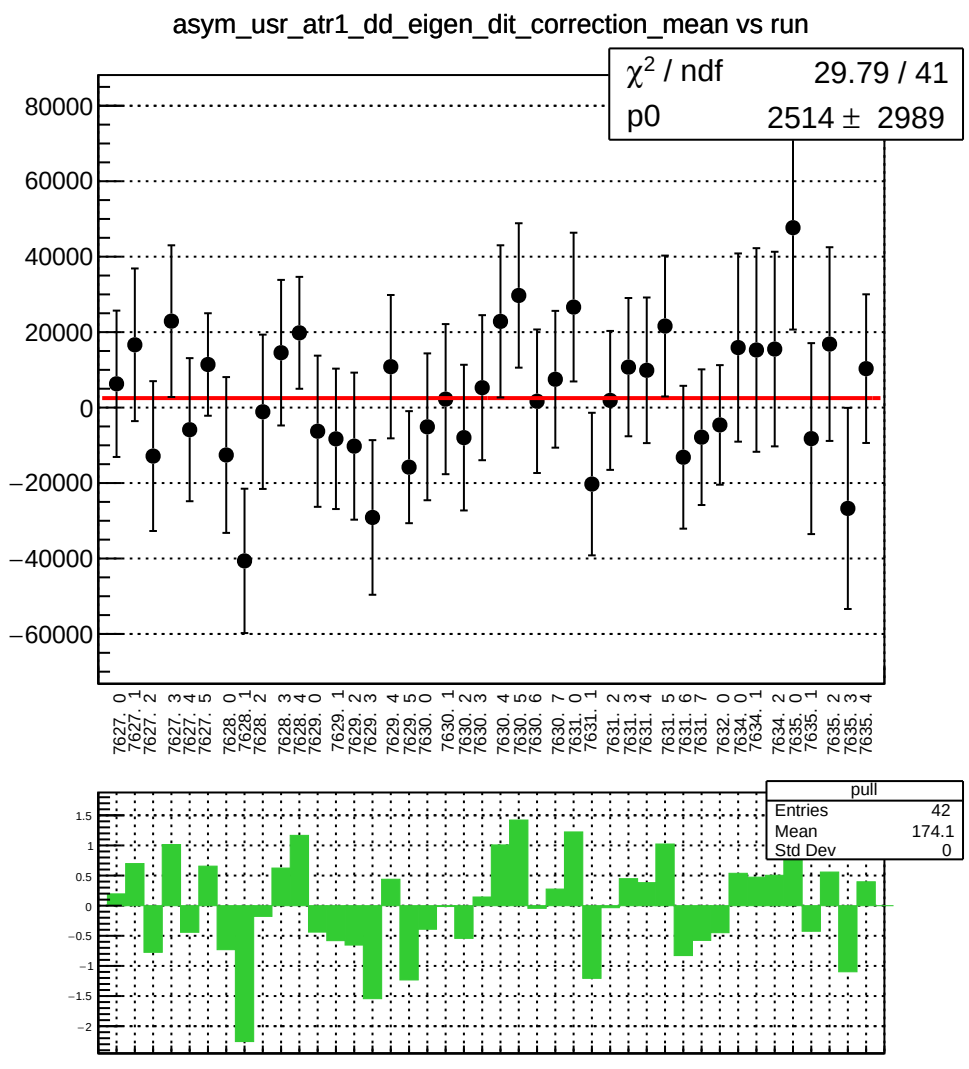
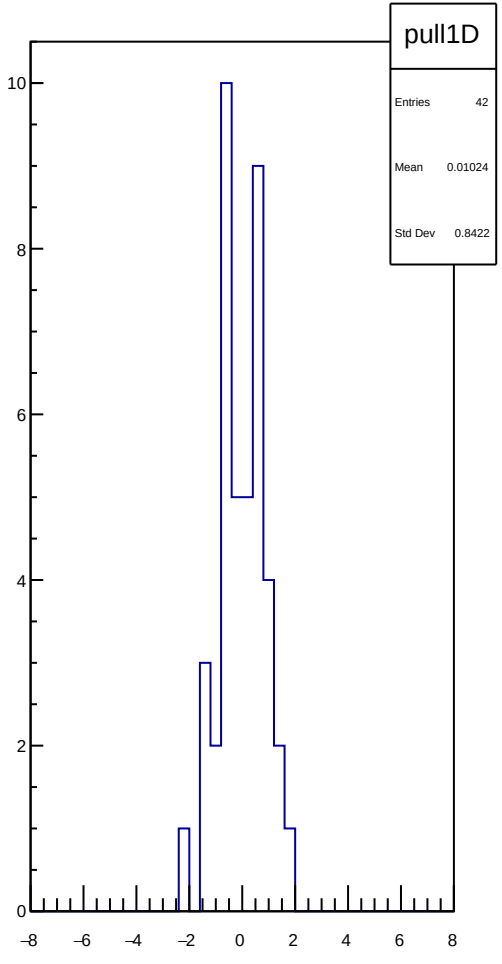
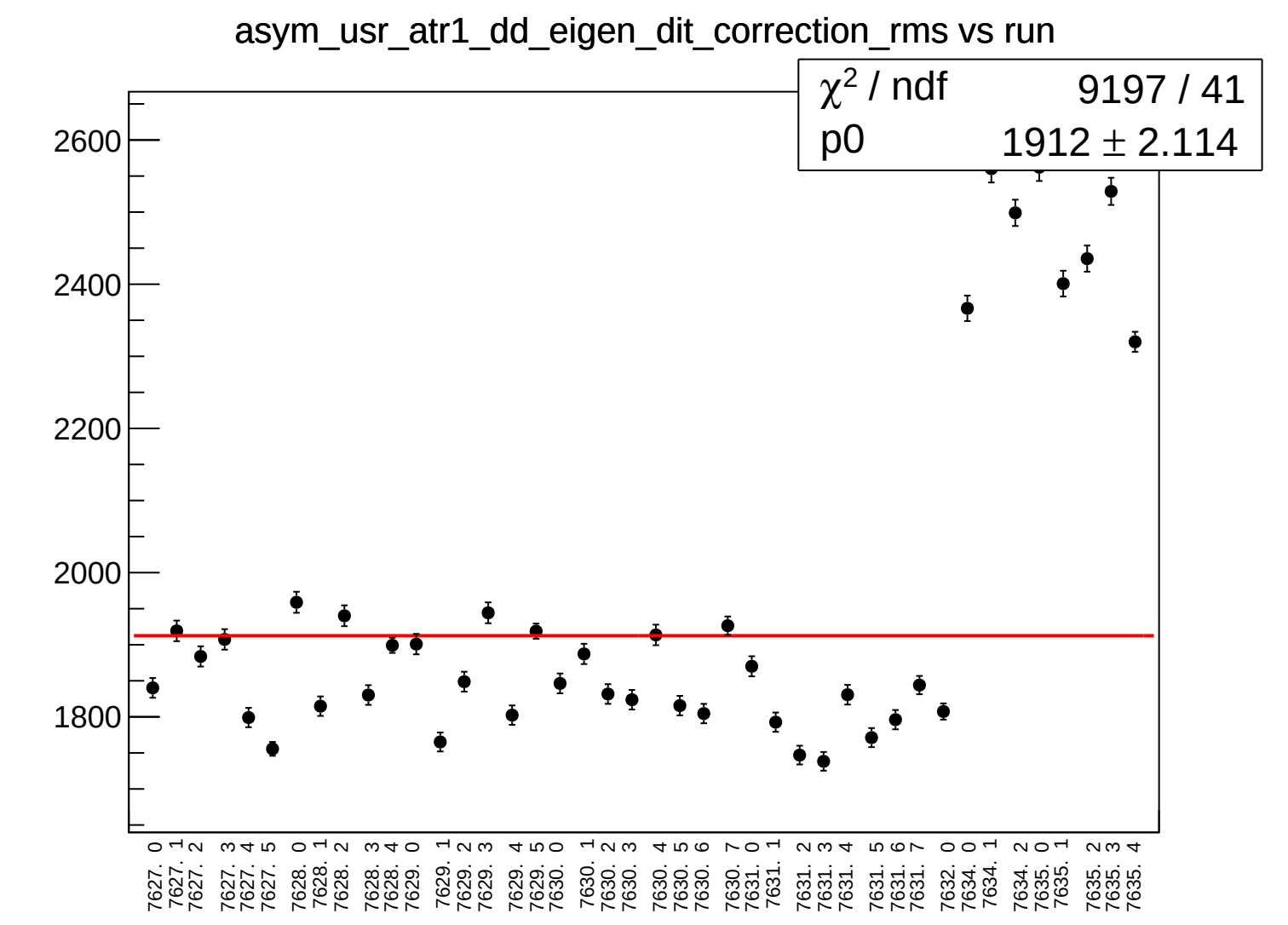
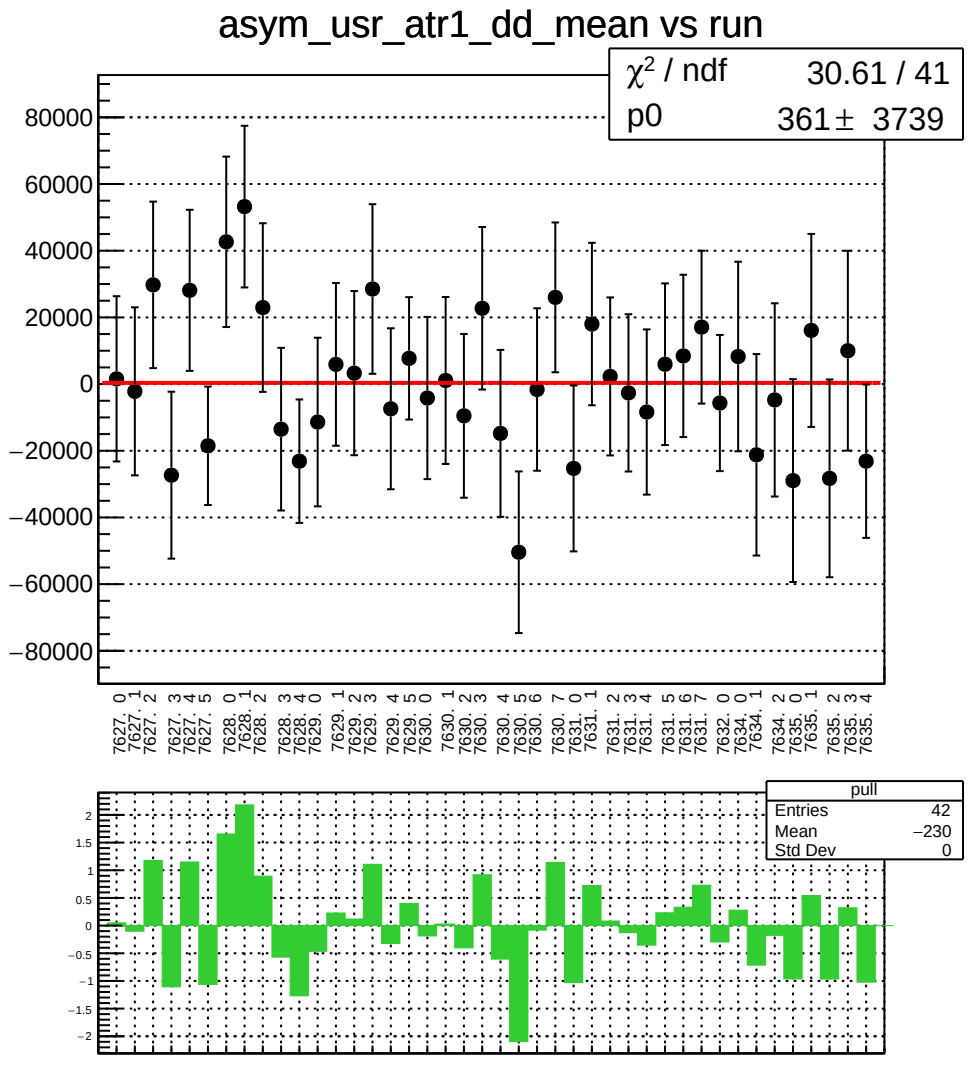
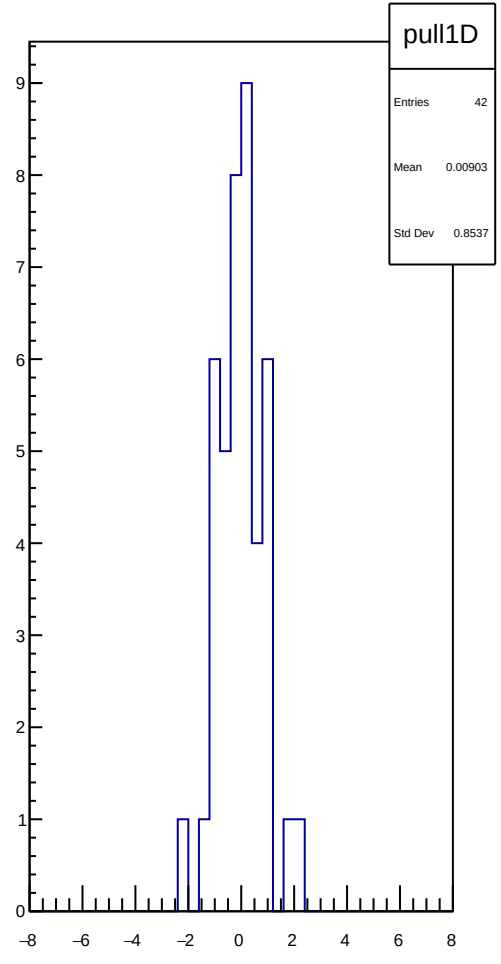
7635. 3
7635. 4

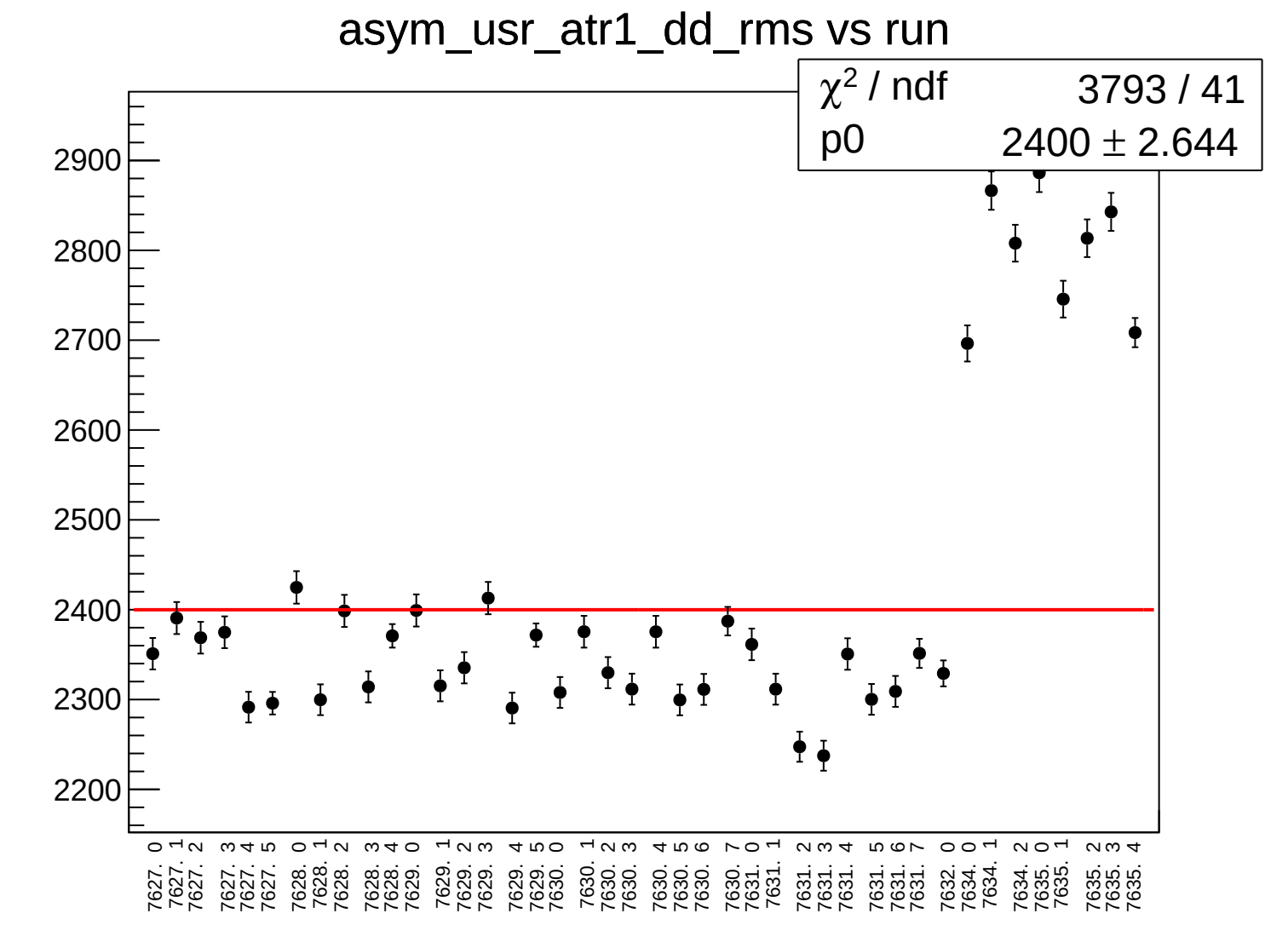

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.79 / 41
p0 2514 ± 2989
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 174.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

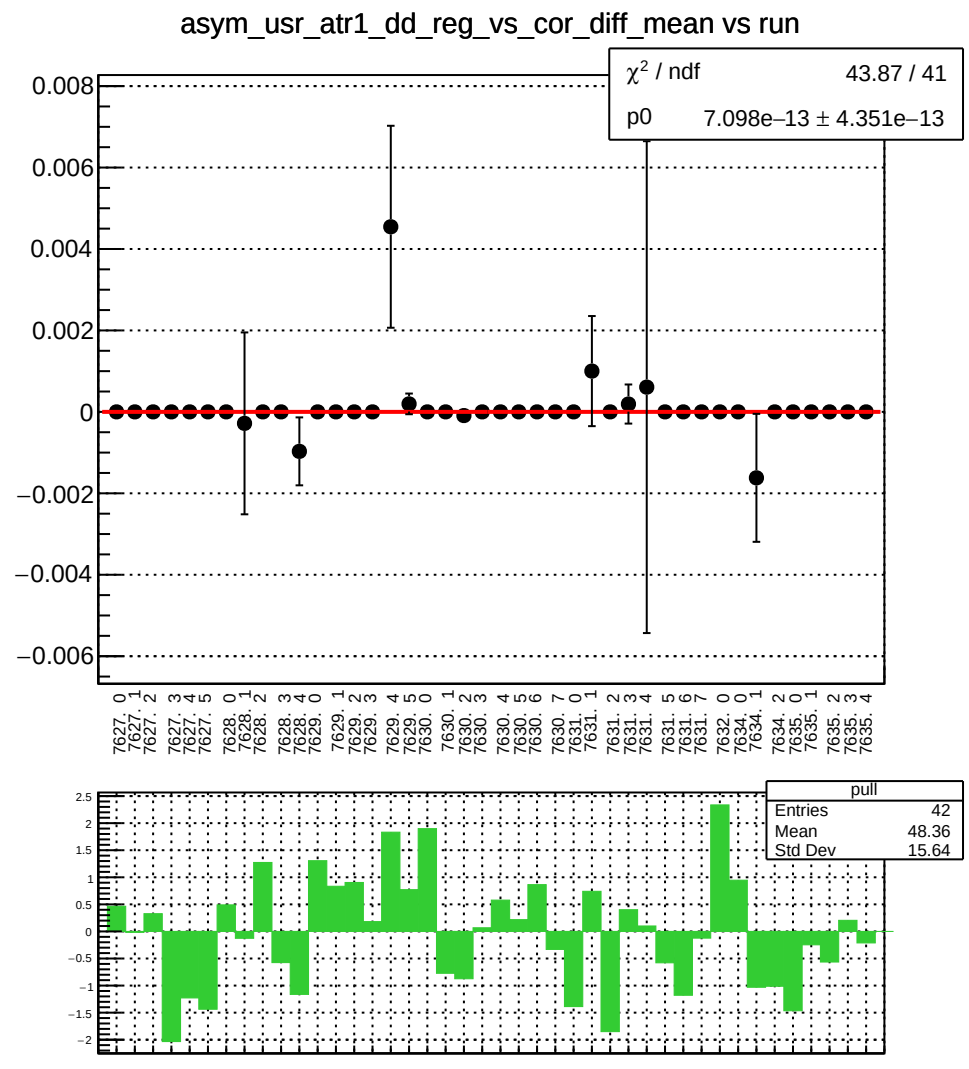

pull1D
Entries 42
Mean 0.01024
Std Dev 0.8422
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

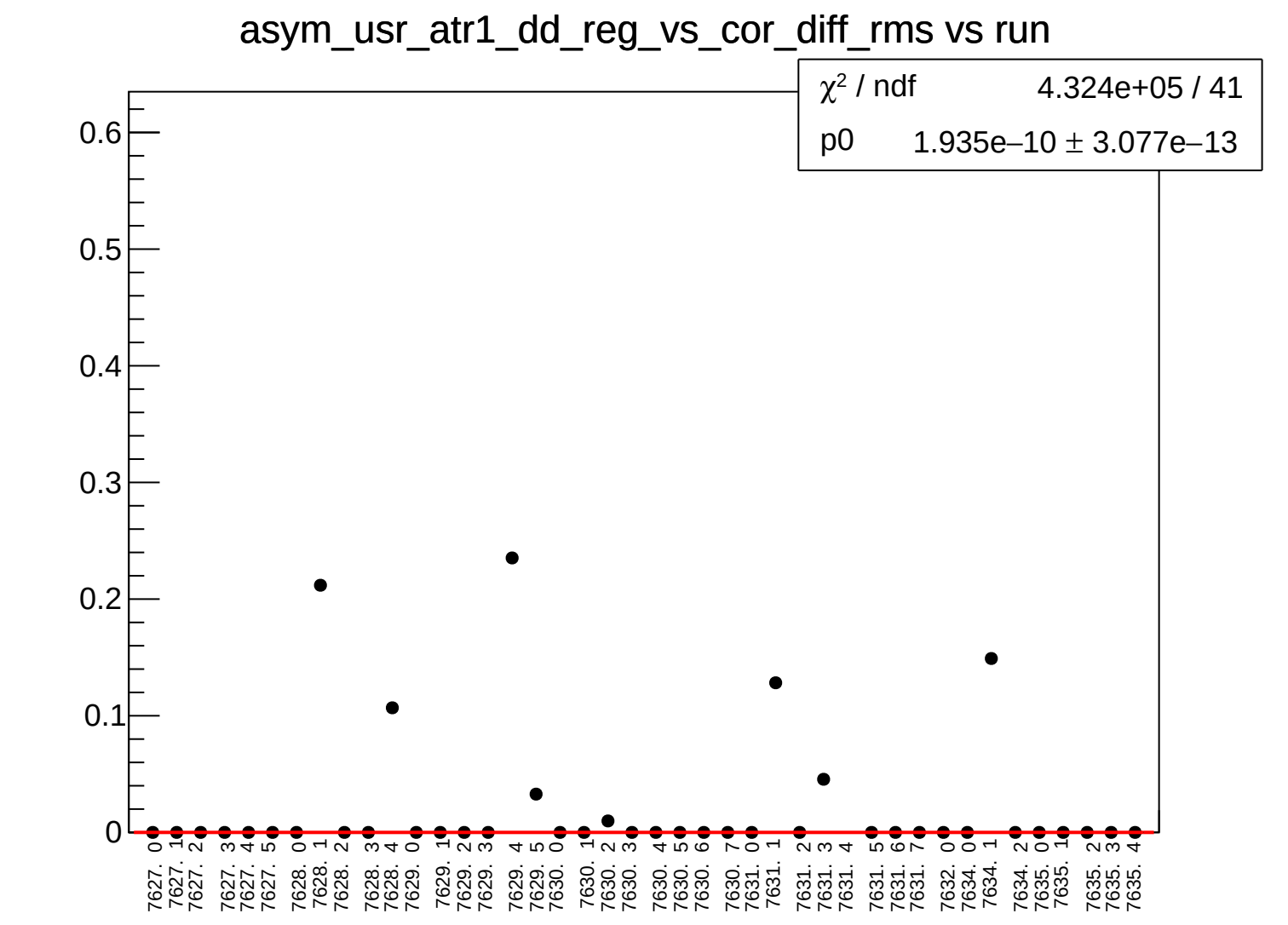

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 9197 / 41
p0 1912 ± 2.114
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

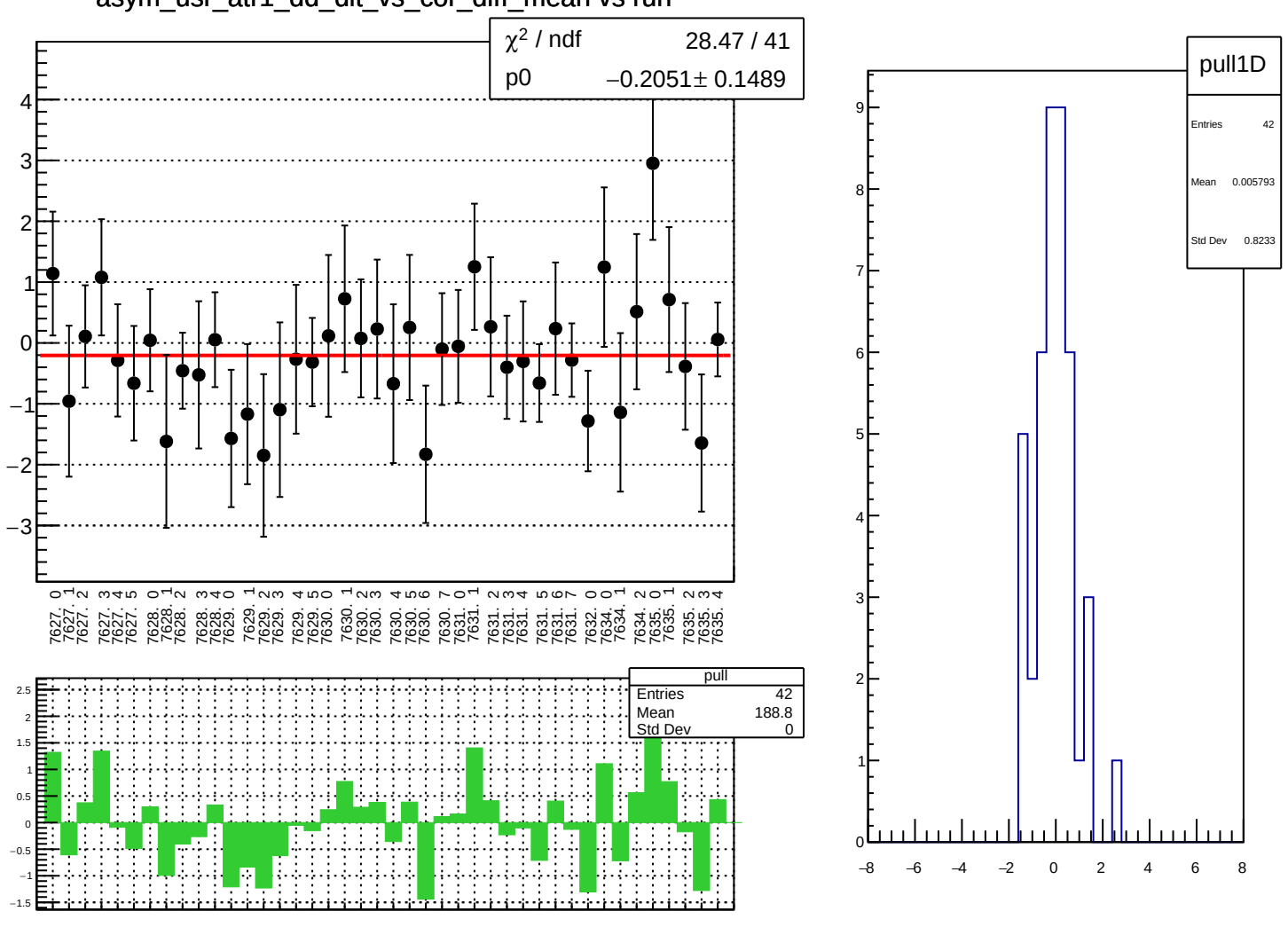

asym_usr_atr1_dd_mean vs run
χ² / ndf 30.61 / 41
p0 361 ± 3739
pull
Entries 42
Mean −230
Std Dev 0

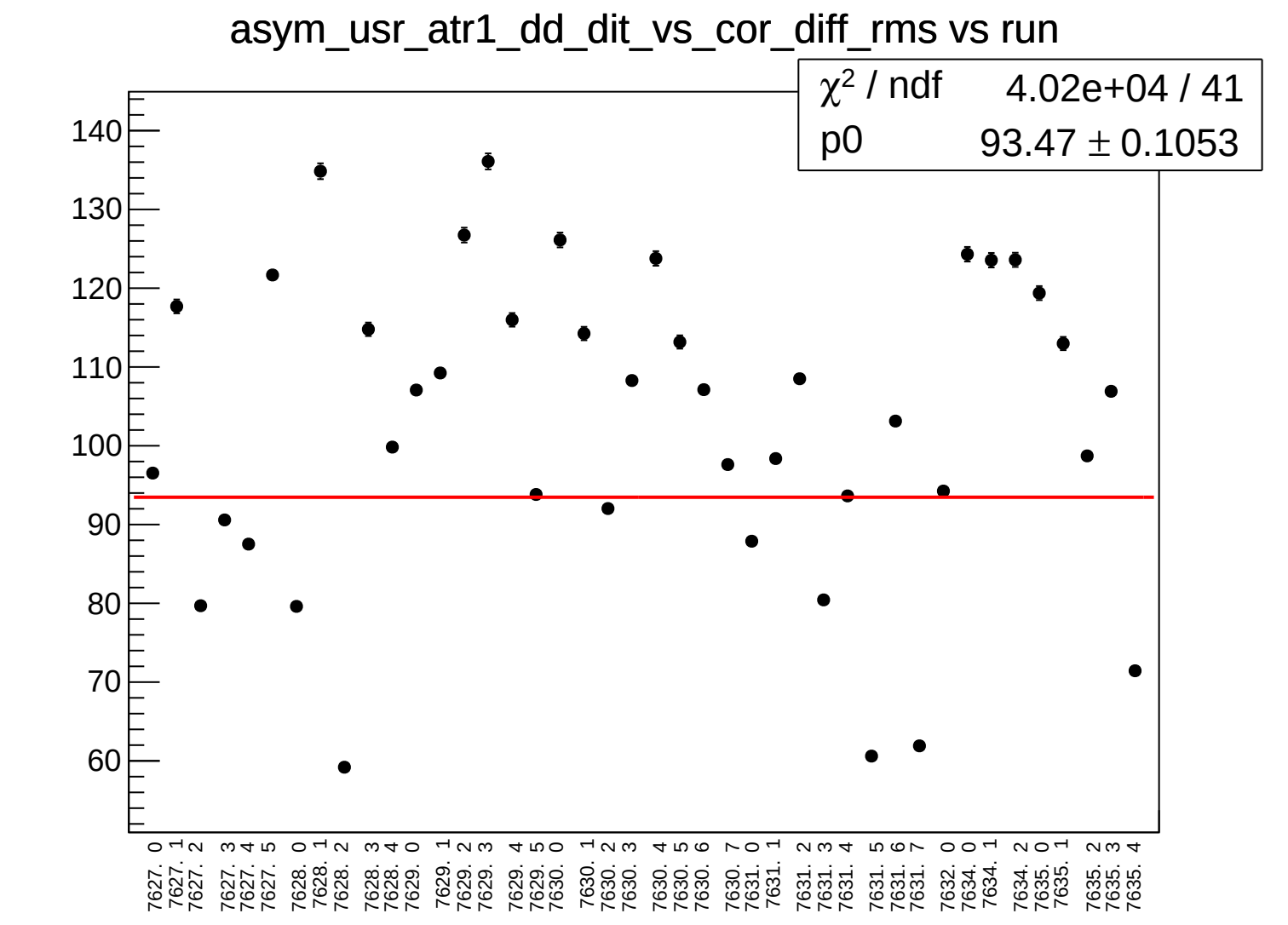

pull1D
Entries 42
Mean 0.00903
Std Dev 0.8537

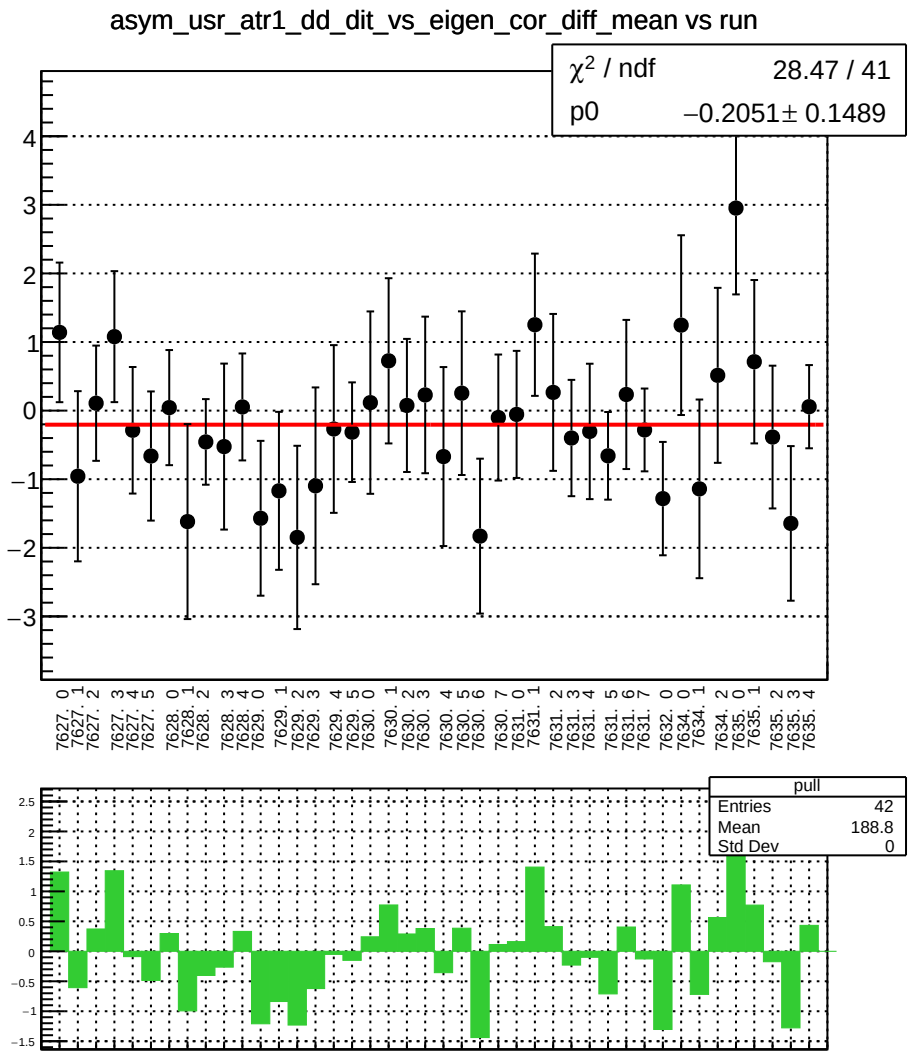

asym_usr_atr1_dd_rms vs run
χ² / ndf 3793 / 41
p0 2400 ± 2.644
2900
2800
2700
2600
2500
2400
2300
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

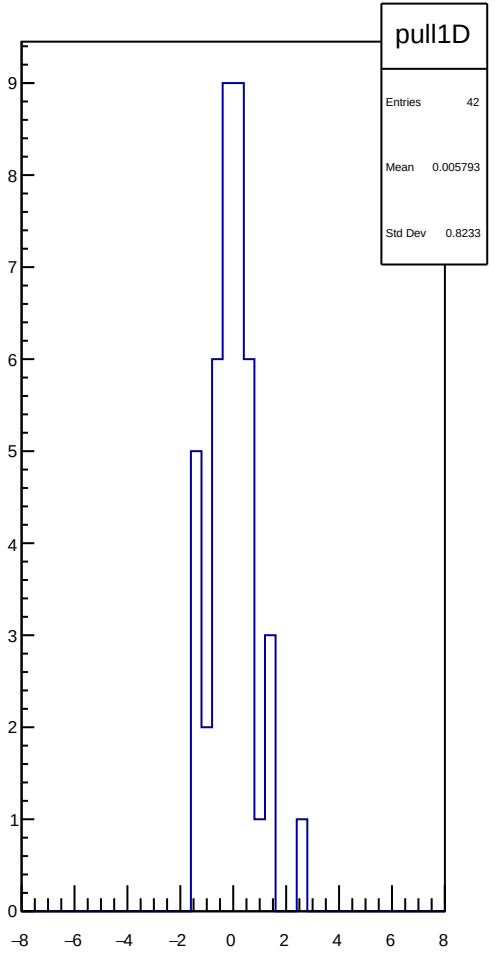

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.87 / 41
p0 7.098e−13 ± 4.351e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 48.36
Std Dev 15.64
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03486
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

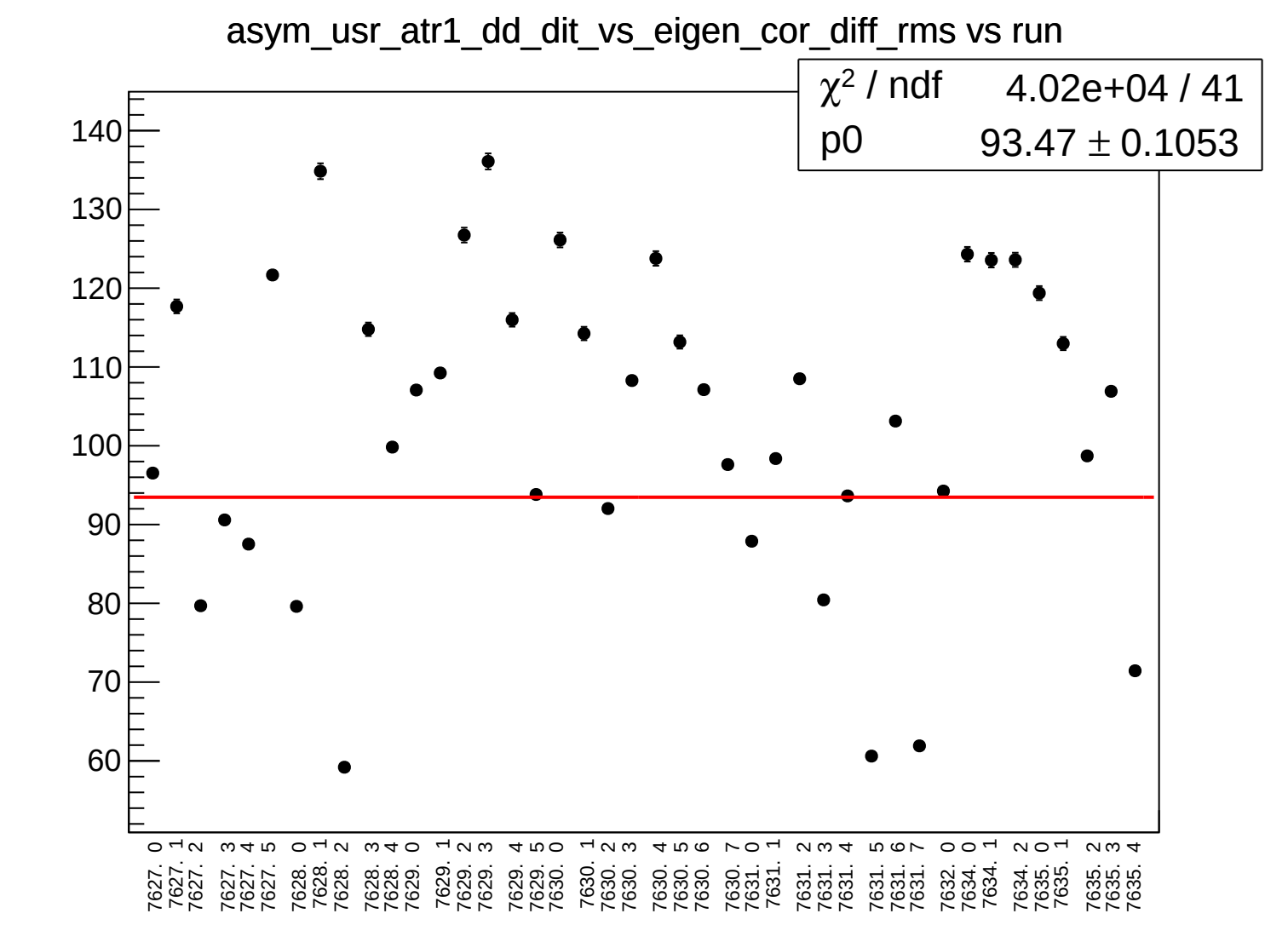

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.324e+05 / 41
p0 1.935e−10 ± 3.077e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

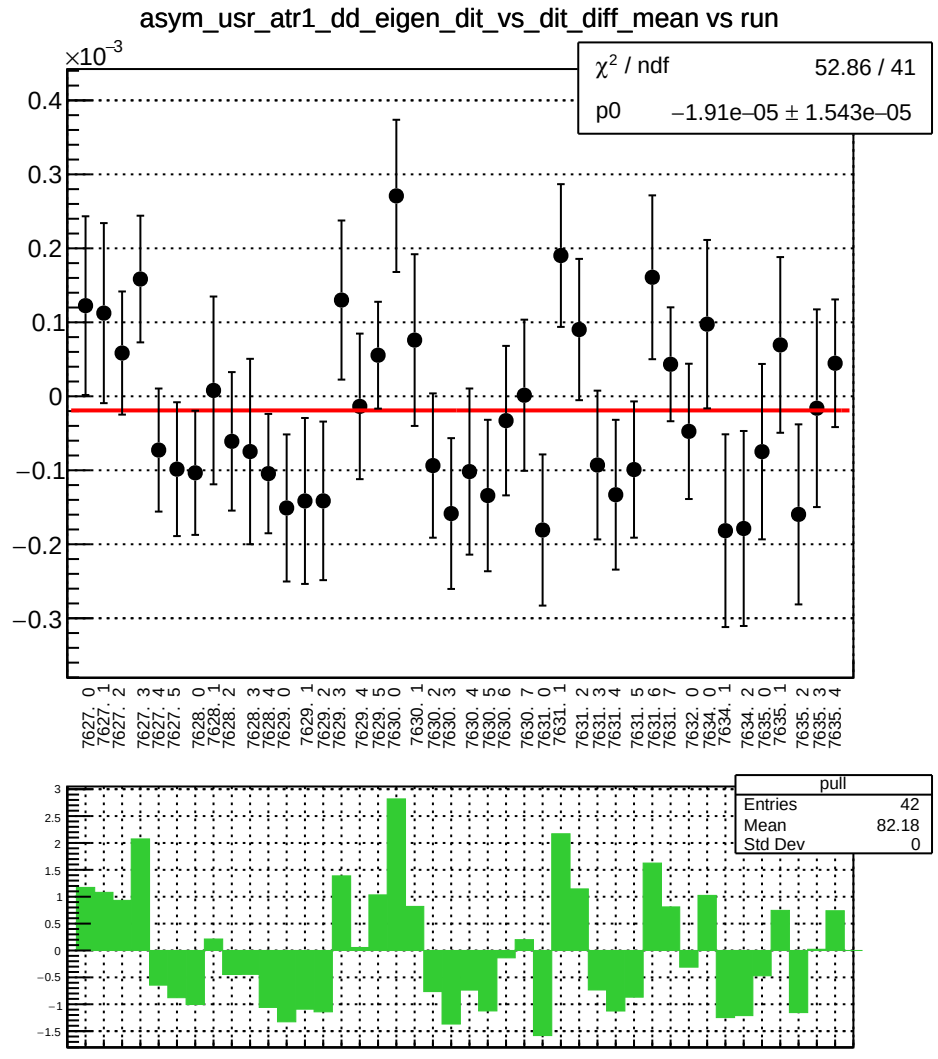

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 28.47 / 41
p0 −0.2051± 0.1489
pull
Entries 42
Mean 188.8
Std Dev 0
pull1D
Entries 42
Mean 0.005793
Std Dev 0.8233

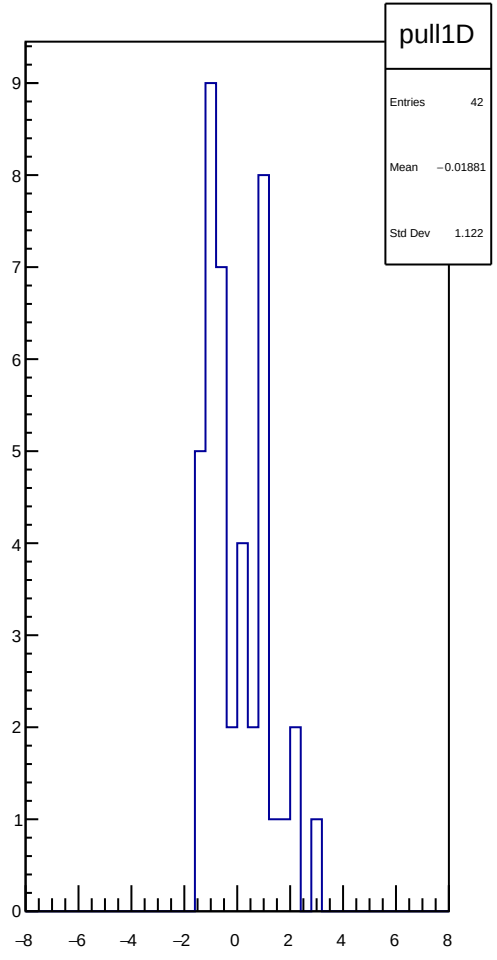

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.02e+04 / 41
p0 93.47 ± 0.1053
140
130
120
110
100
90
80
70
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

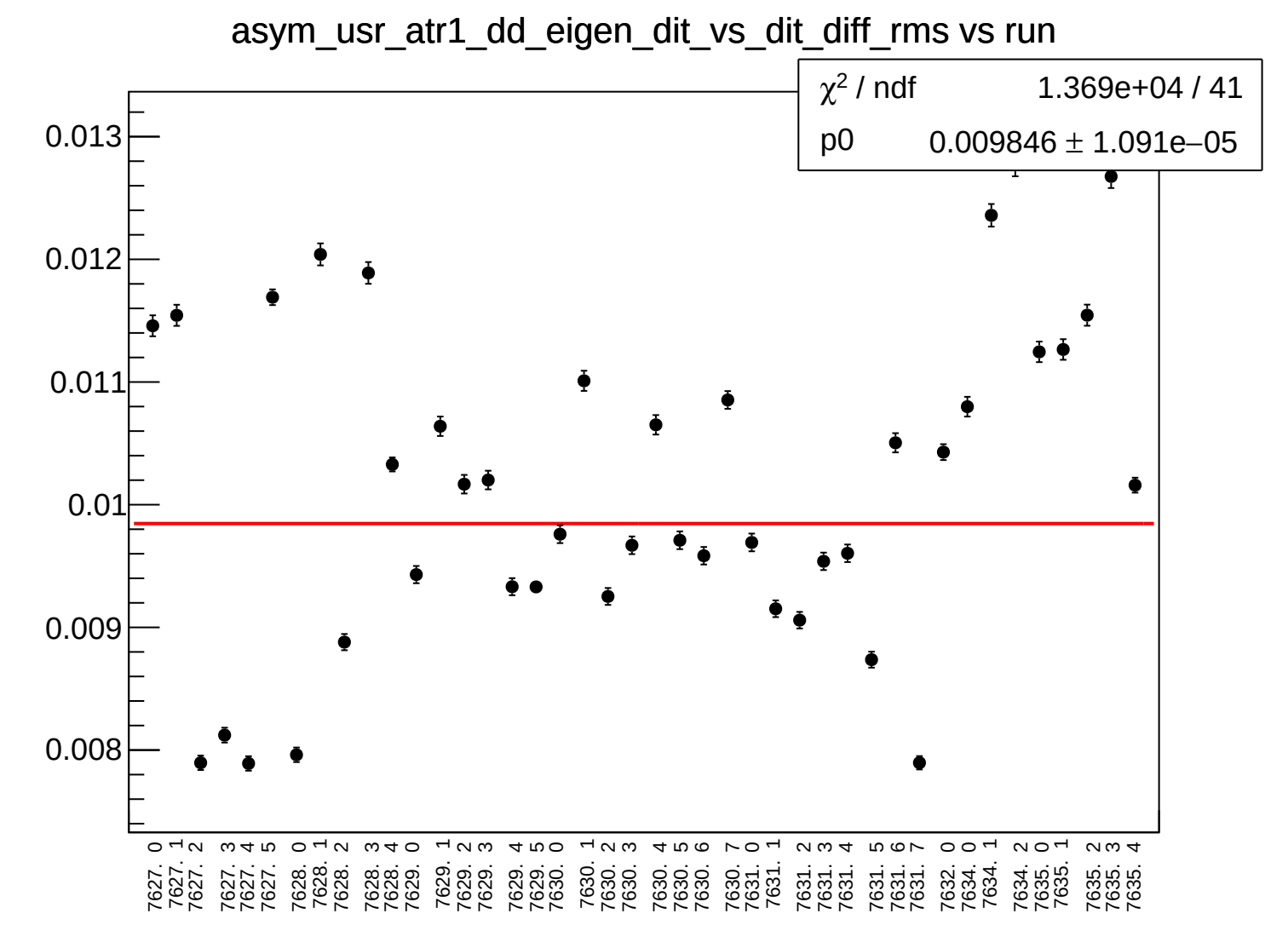

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.47 / 41
p0 −0.2051± 0.1489
pull
Entries 42
Mean 188.8
Std Dev 0

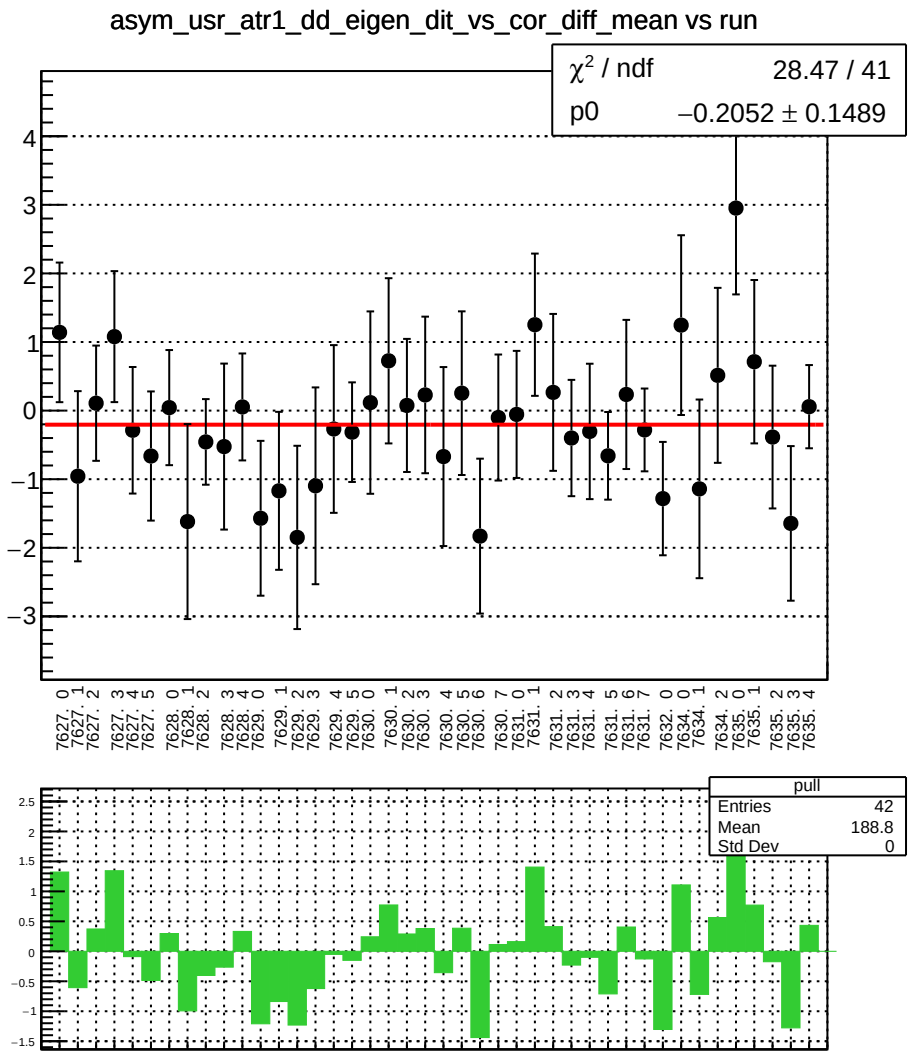

pull1D
Entries 42
Mean 0.005793
Std Dev 0.8233

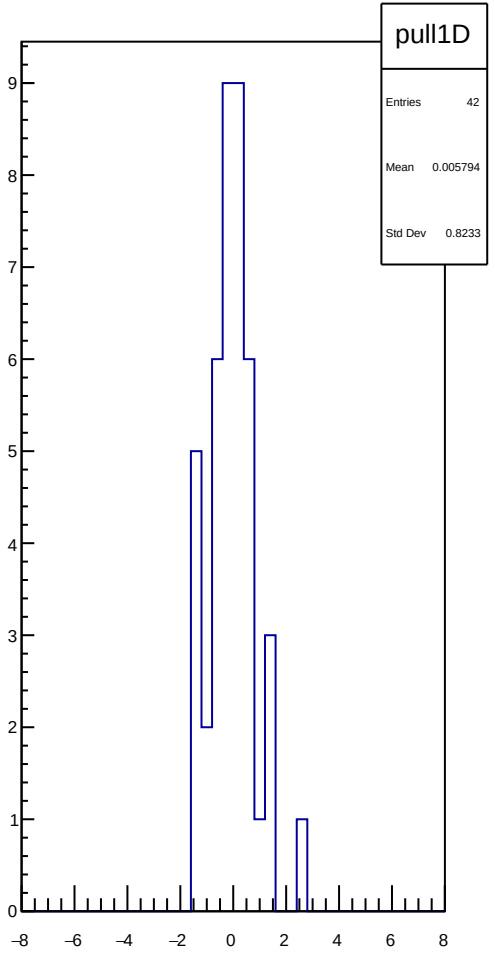

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.02e+04 / 41
p0 93.47 ± 0.1053
140
130
120
110
100
90
80
70
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

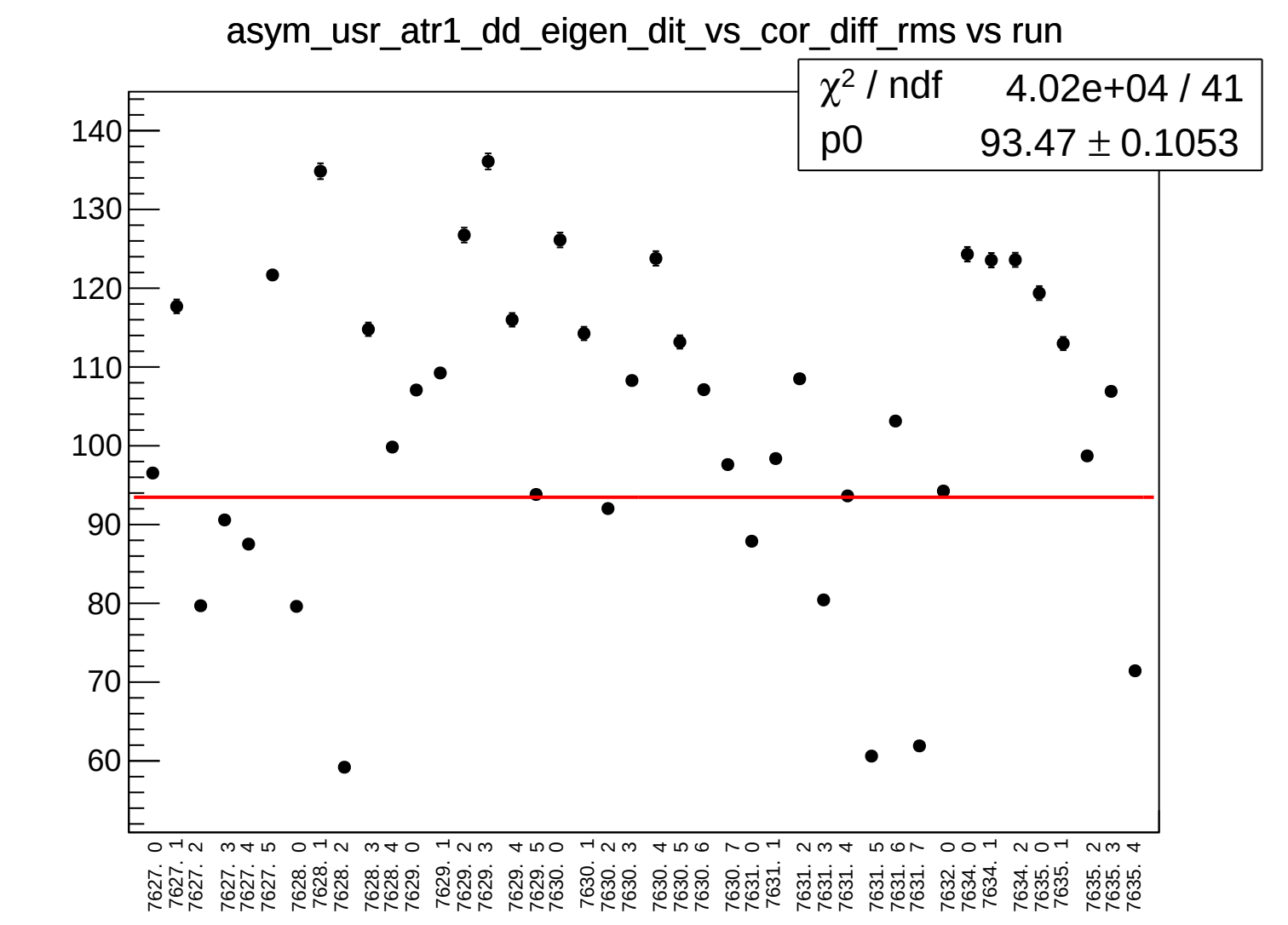

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.86 / 41
p0 −1.91e−05 ± 1.543e−05
pull
Entries 42
Mean 82.18
Std Dev 0

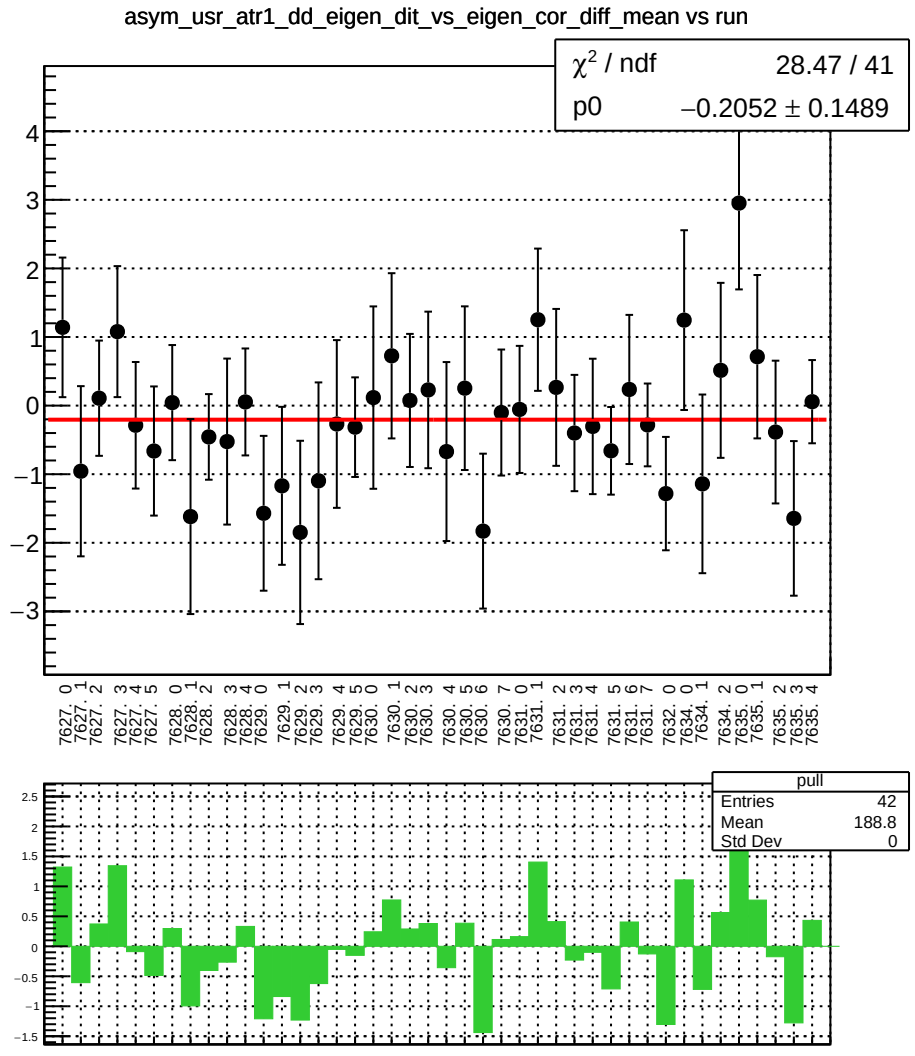

pull1D
Entries 42
Mean −0.01881
Std Dev 1.122

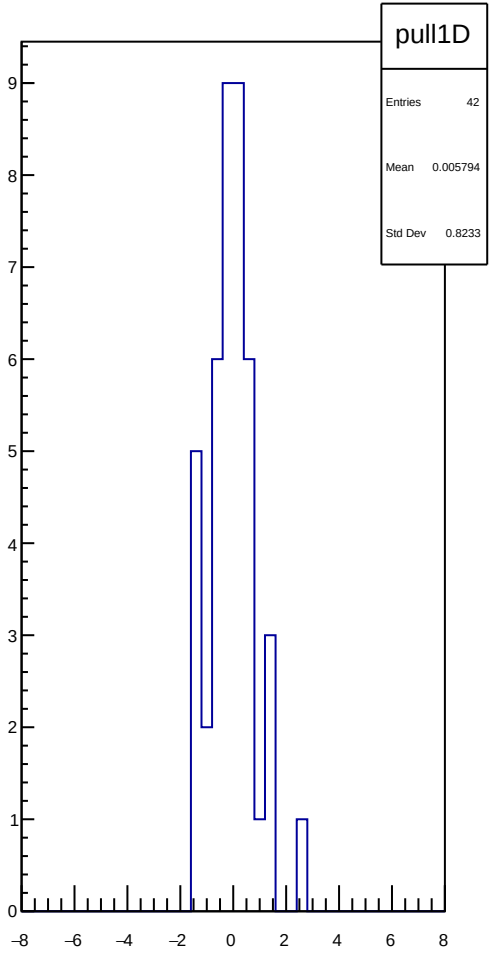

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.369e+04 / 41
p0 0.009846 ± 1.091e−05
0.013
0.012
0.011
0.01
0.009
0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

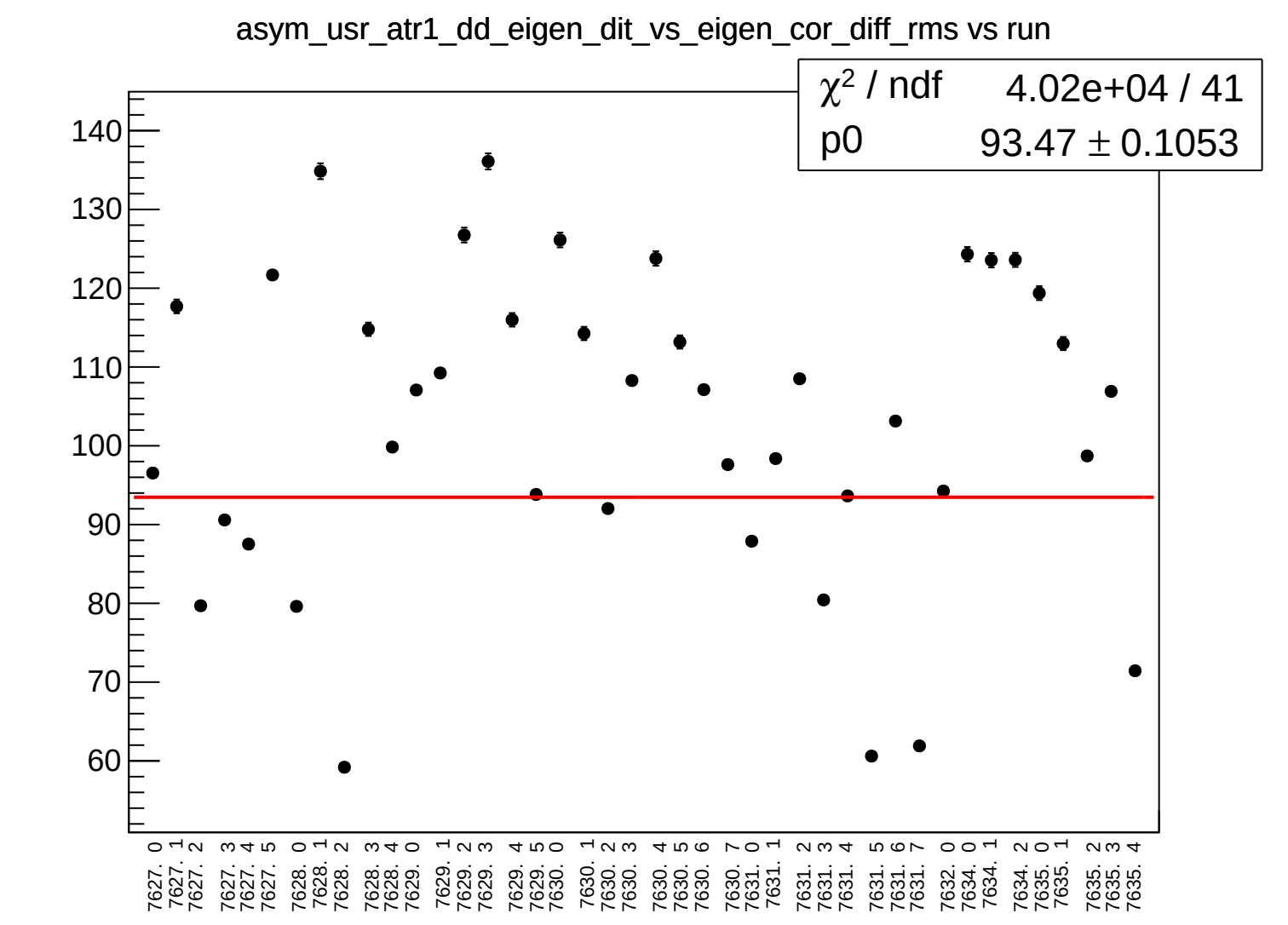

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.47 / 41
p0 −0.2052 ± 0.1489
pull
Entries 42
Mean 188.8
Std Dev 0

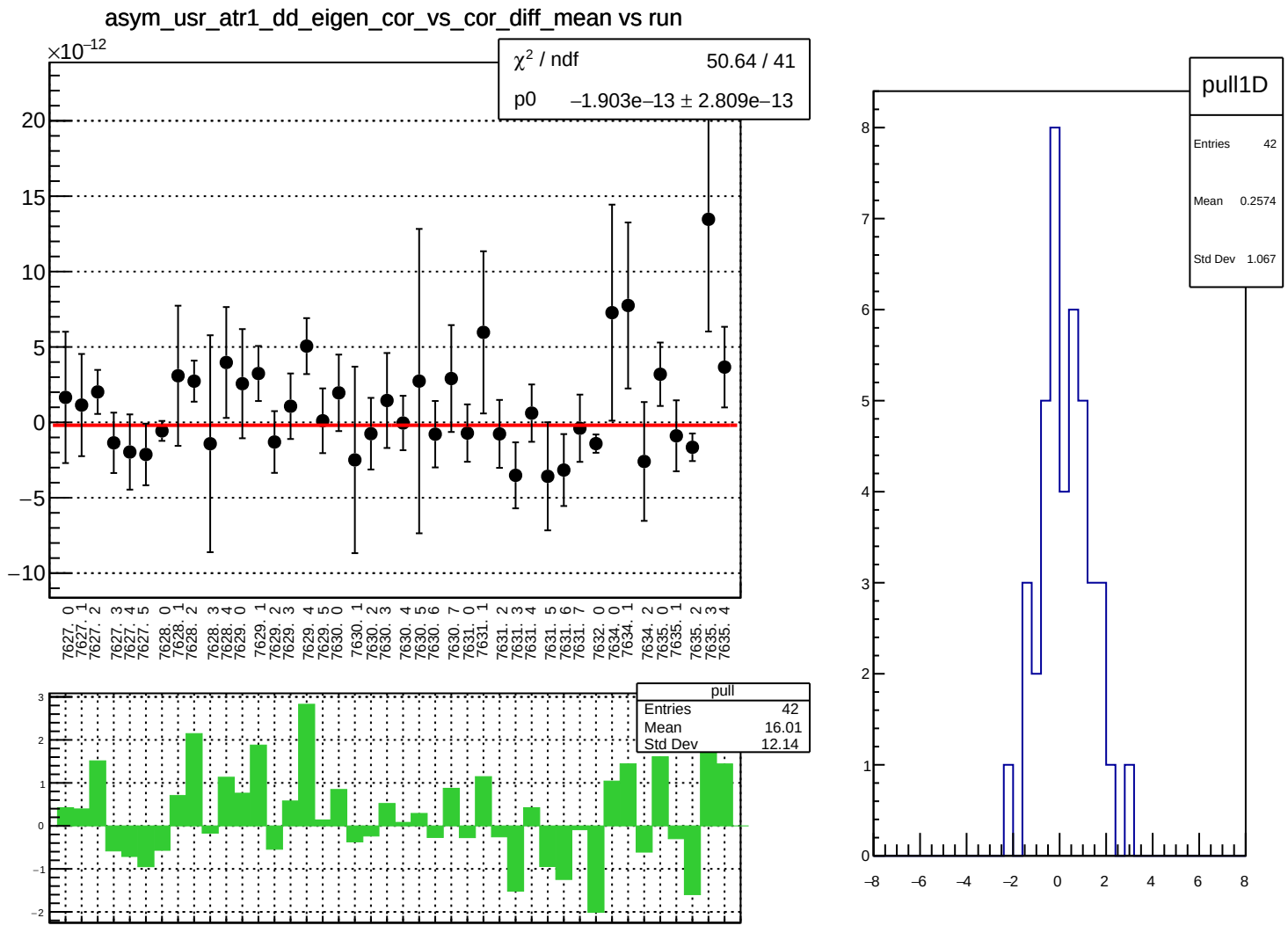

pull1D
Entries 42
Mean 0.005794
Std Dev 0.8233

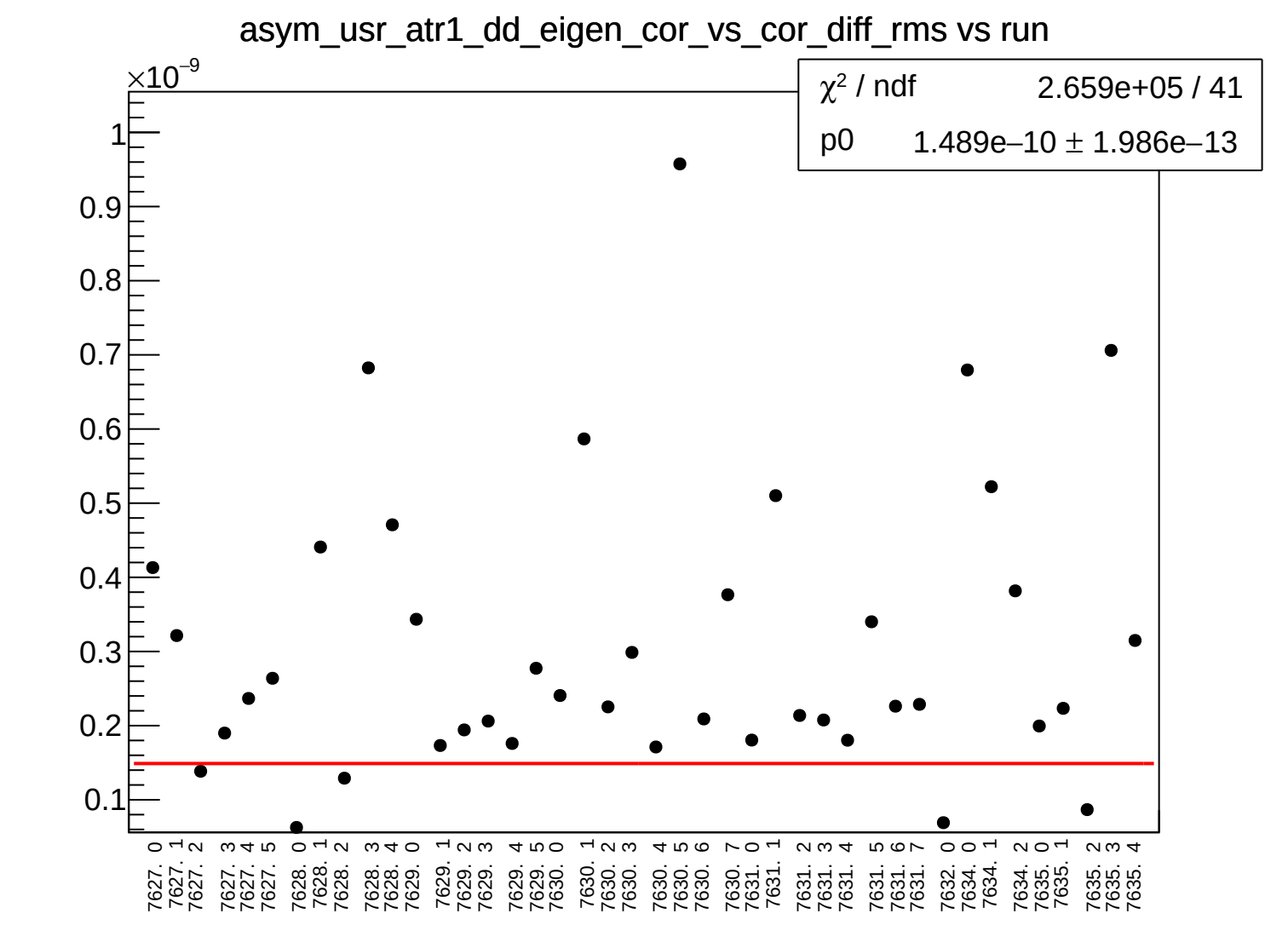

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.02e+04 / 41
p0 93.47 ± 0.1053
140
130
120
110
100
90
80
70
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

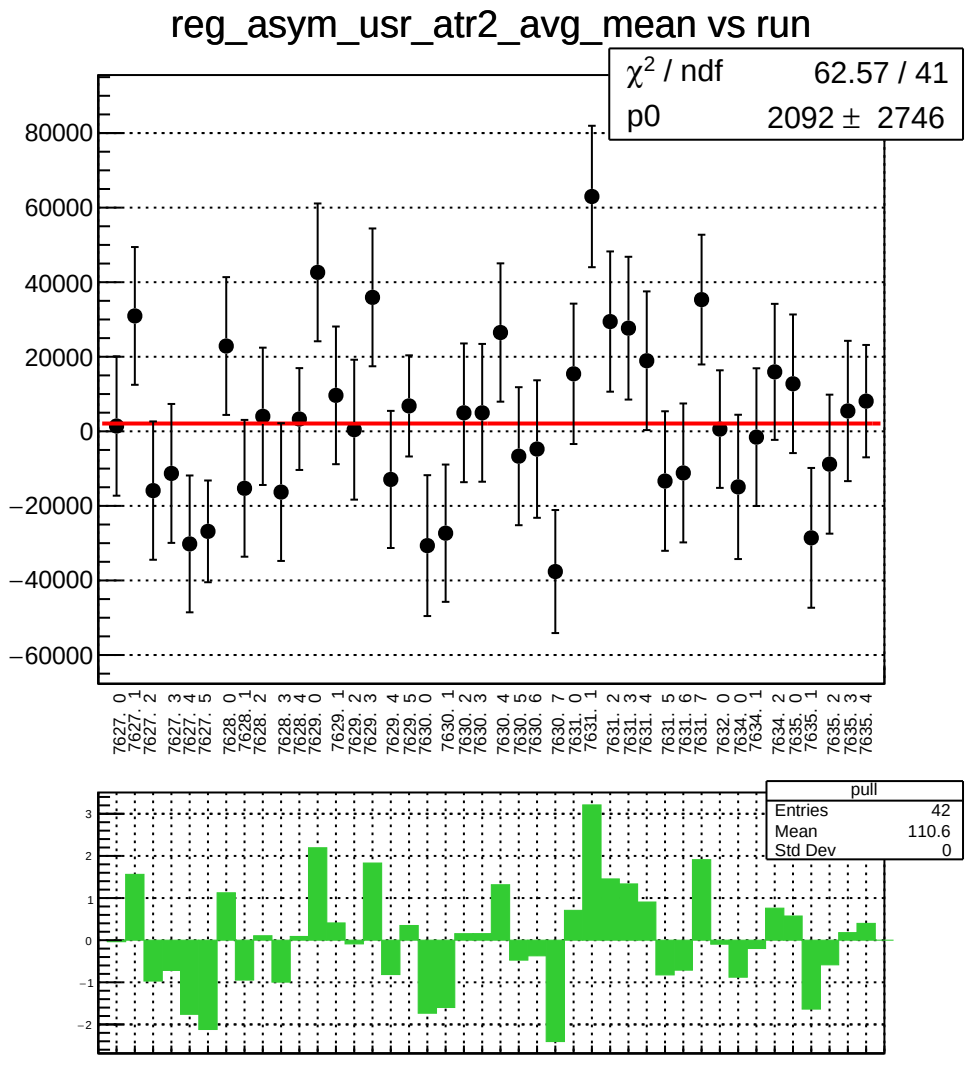

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.47 / 41
p0 −0.2052 ± 0.1489
pull
Entries 42
Mean 188.8
Std Dev 0

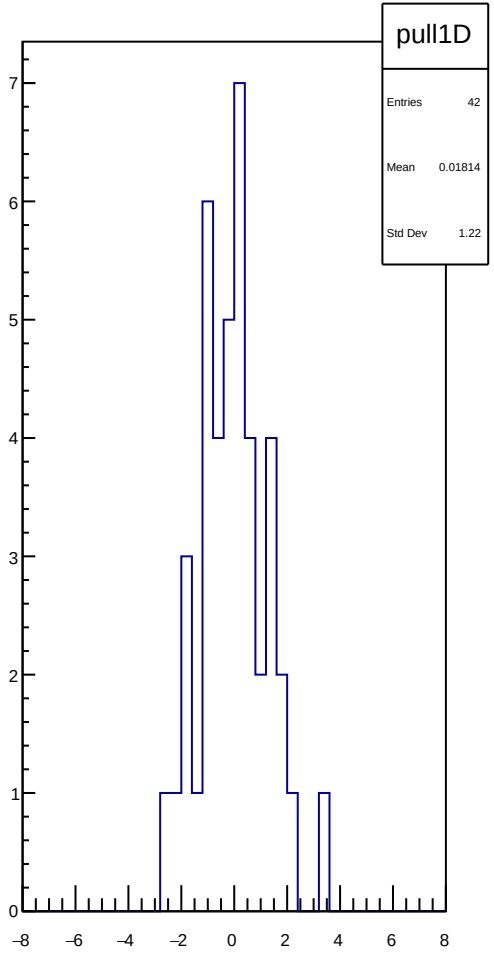

pull1D
Entries 42
Mean 0.005794
Std Dev 0.8233

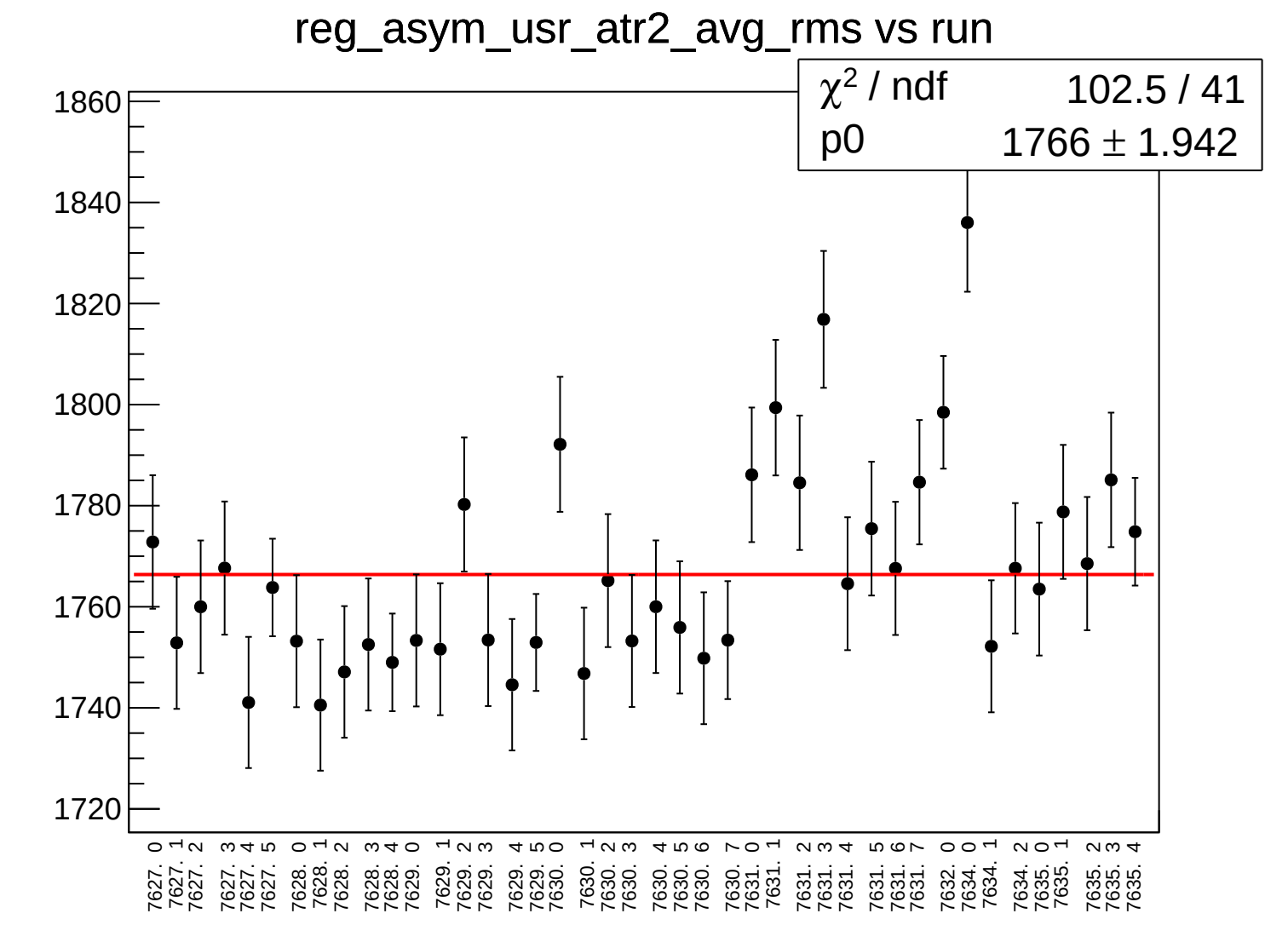

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.02e+04 / 41
p0 93.47 ± 0.1053
140
130
120
110
100
90
80
70
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

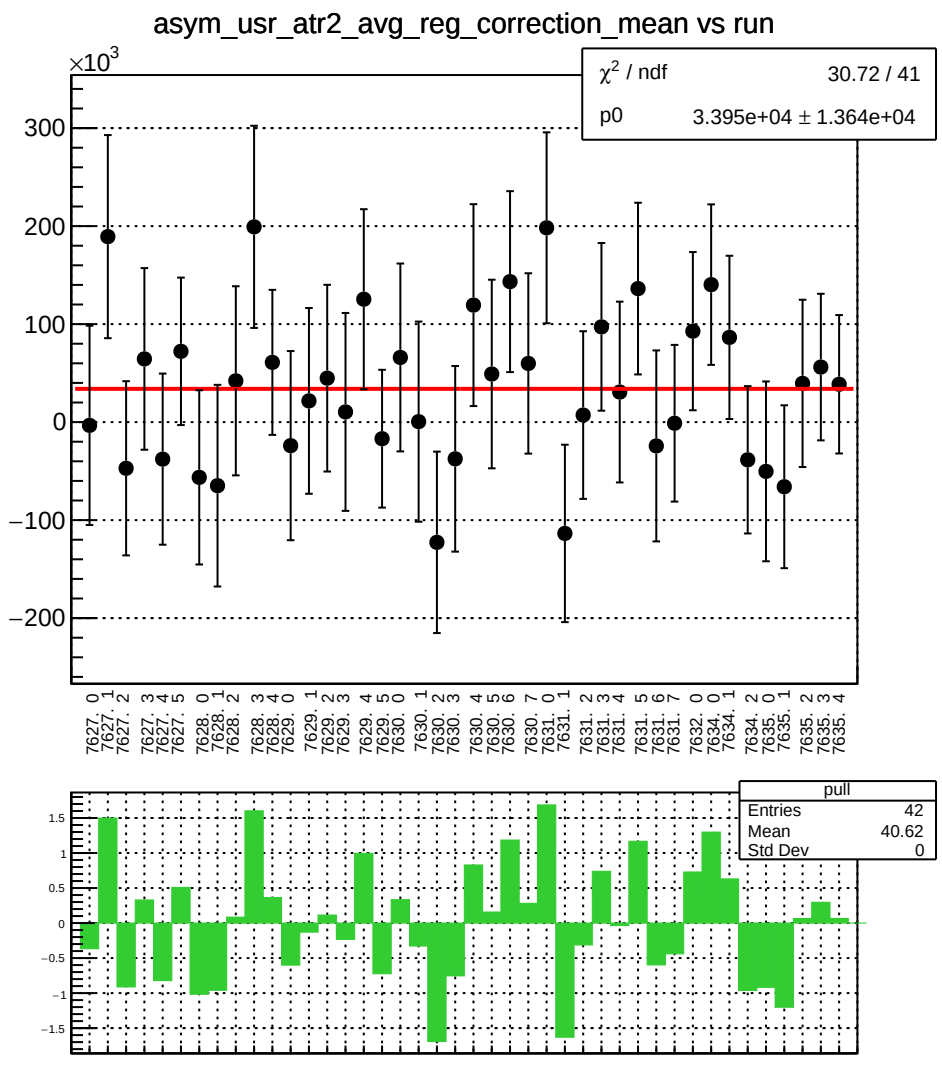

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.64 / 41
p0 −1.903e−13 ± 2.809e−13
20
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 16.01
Std Dev 12.14
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.2574
Std Dev 1.067
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

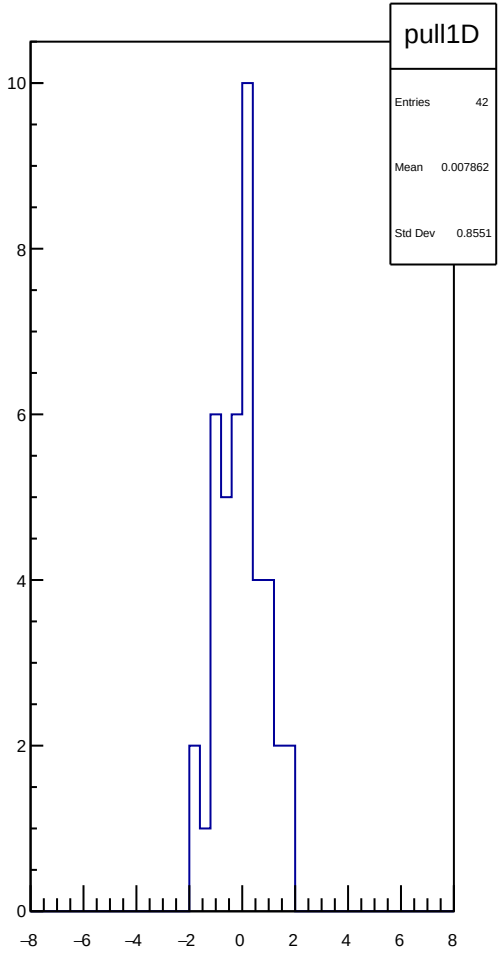

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.659e+05 / 41
p0 1.489e−10 ± 1.986e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

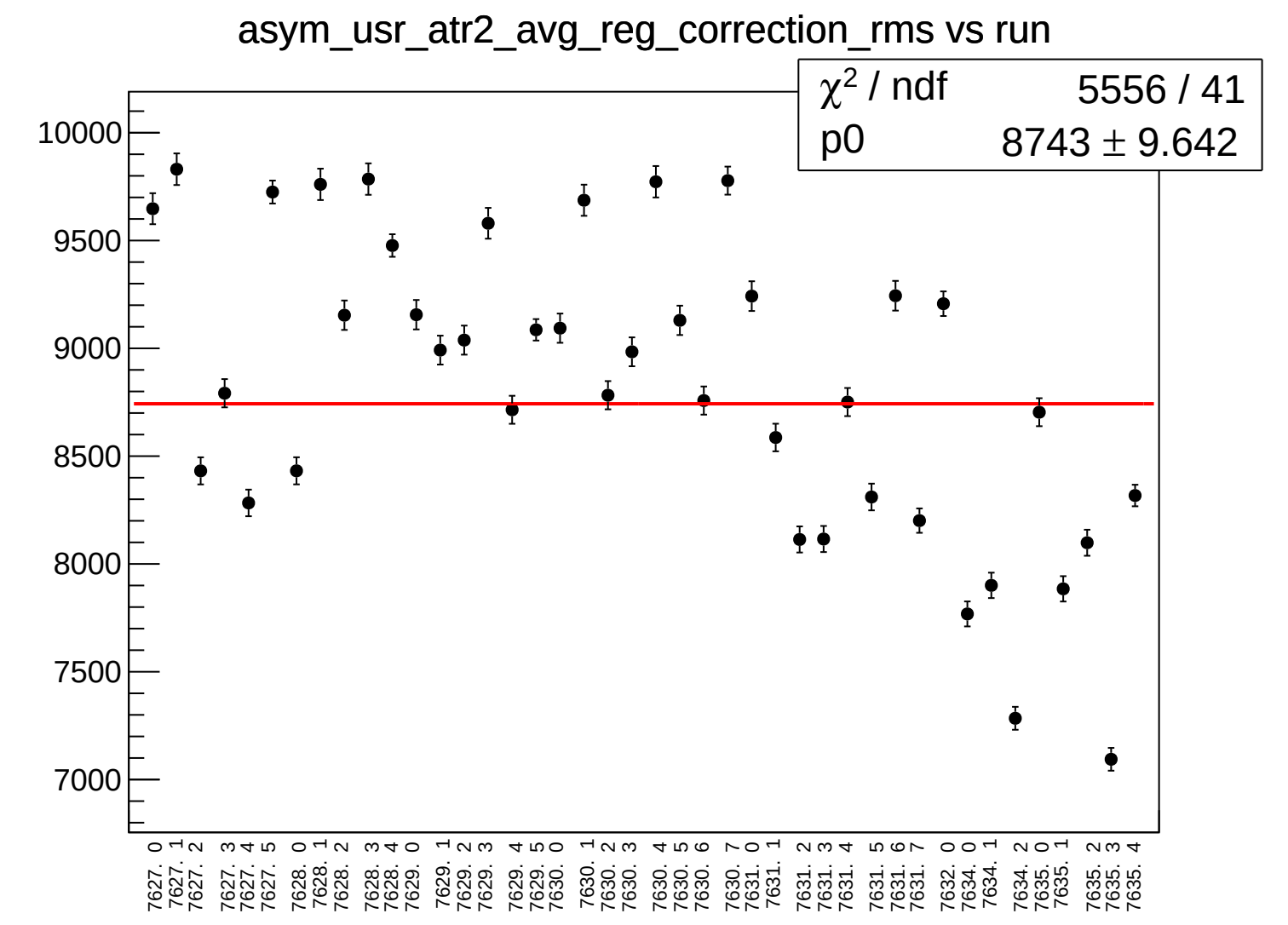

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 62.57 / 41
p0 2092 ± 2746
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 110.6
Std Dev 0
3
2
1
0
−1
−2

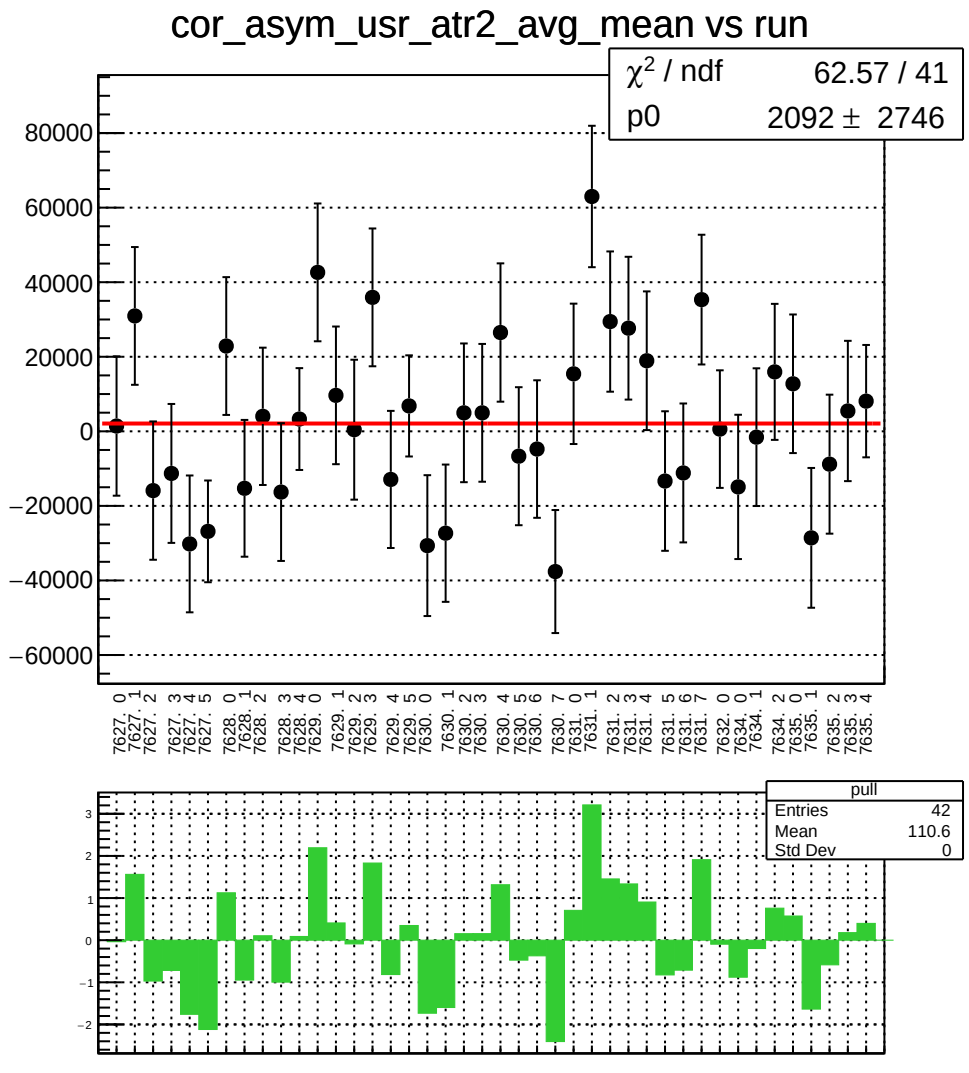

pull1D
Entries 42
Mean 0.01814
Std Dev 1.22
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

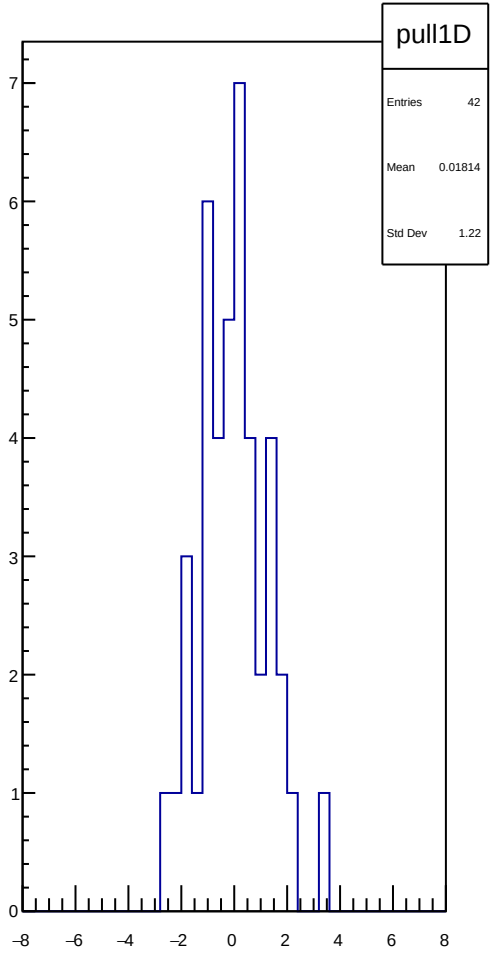

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 102.5 / 41
p0 1766 ± 1.942
1860
1840
1820
1800
1780
1760
1740
1720
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

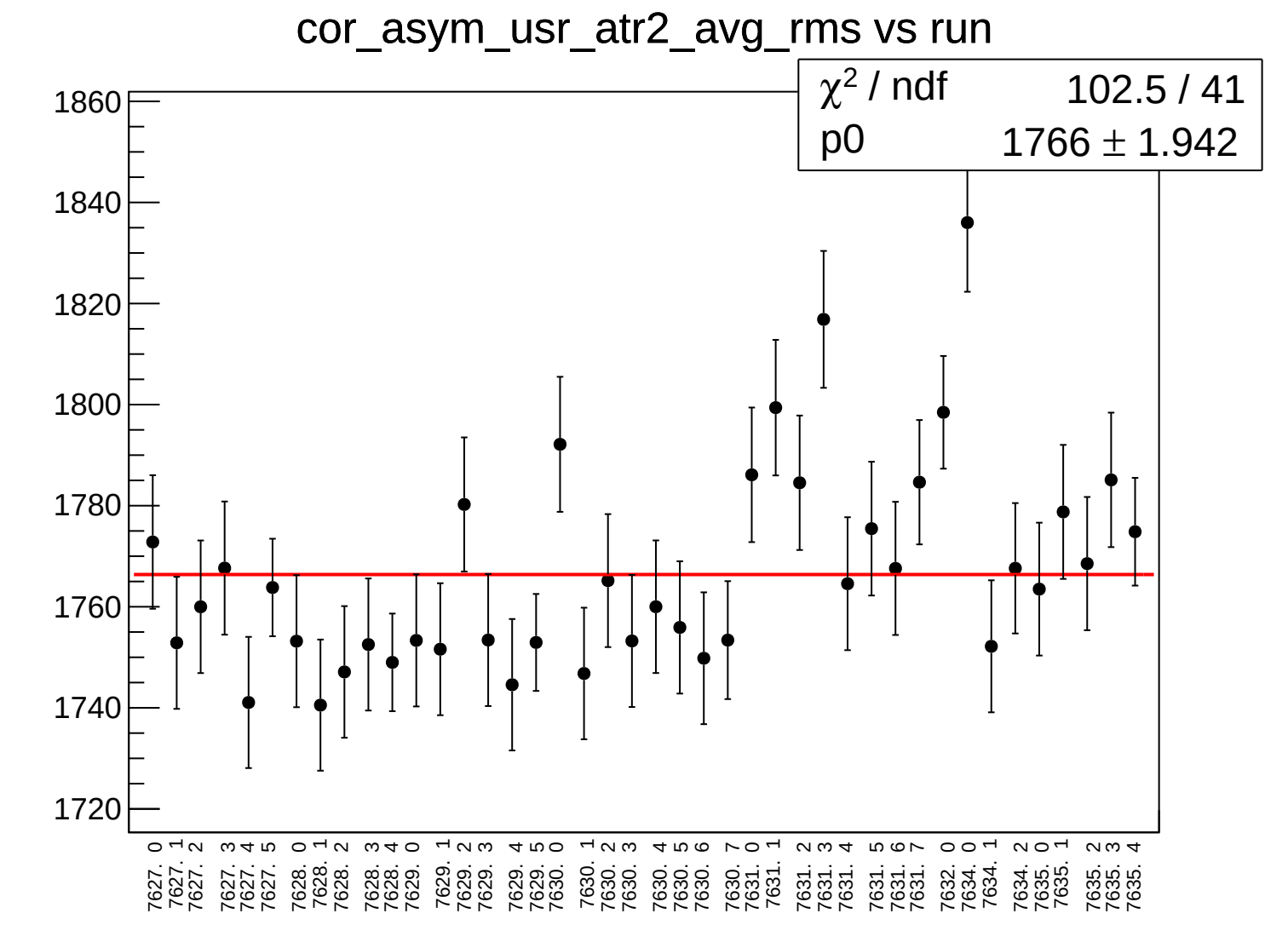

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 30.72 / 41
p0 3.395e+04 ± 1.364e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 40.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

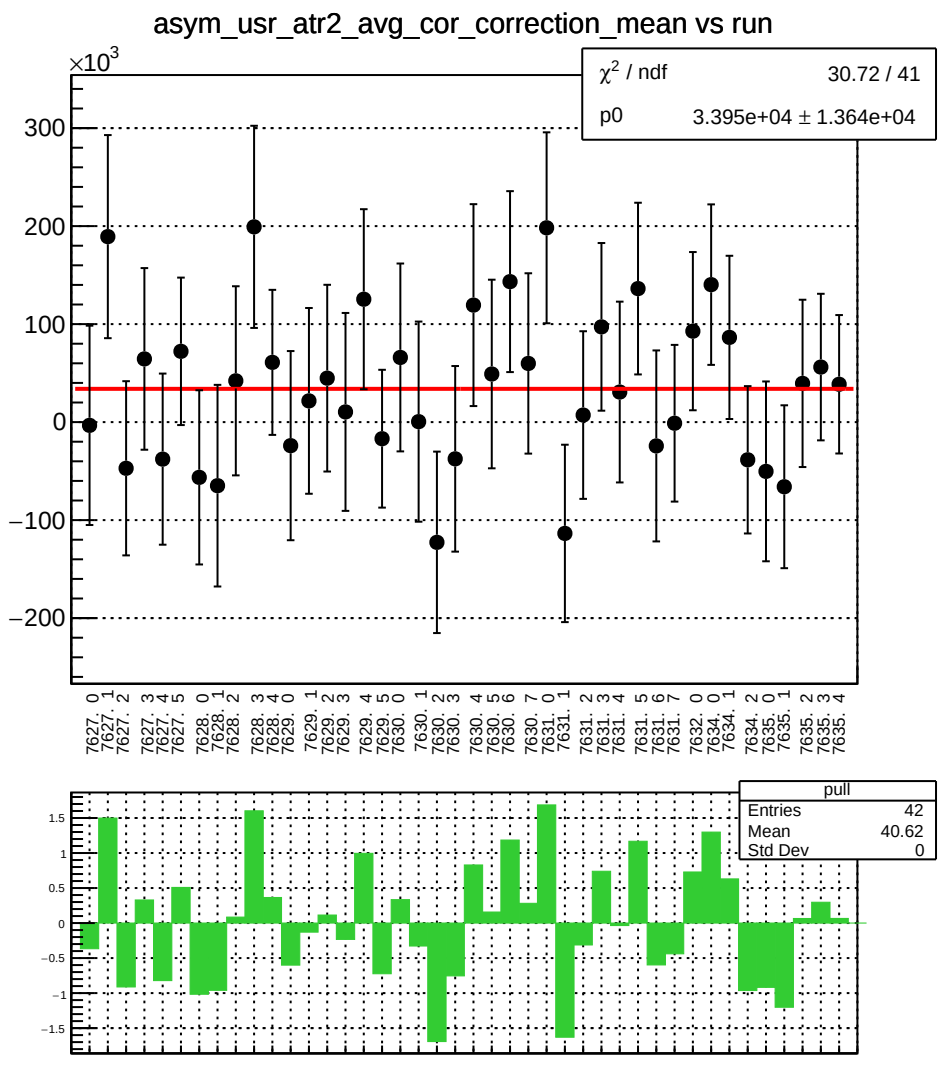

pull1D
Entries 42
Mean 0.007862
Std Dev 0.8551
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

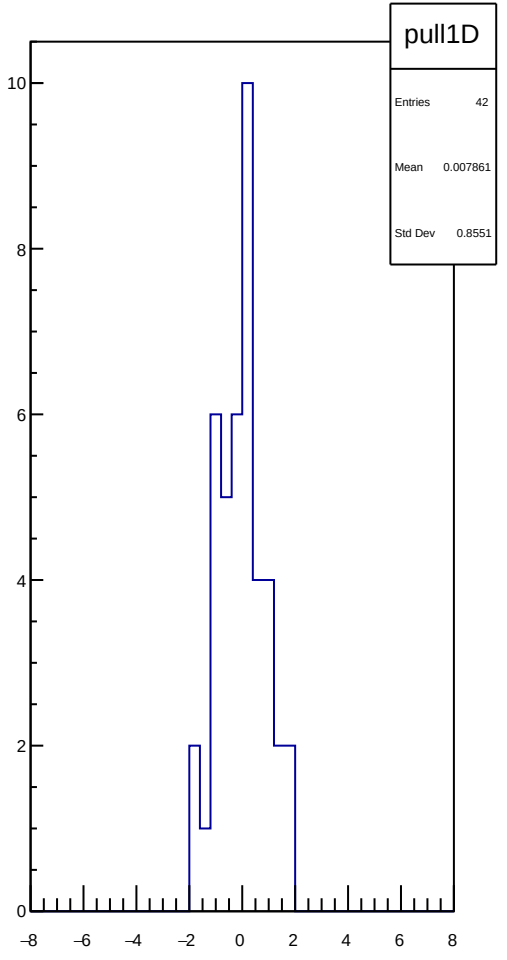

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 5556 / 41
p0 8743 ± 9.642
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

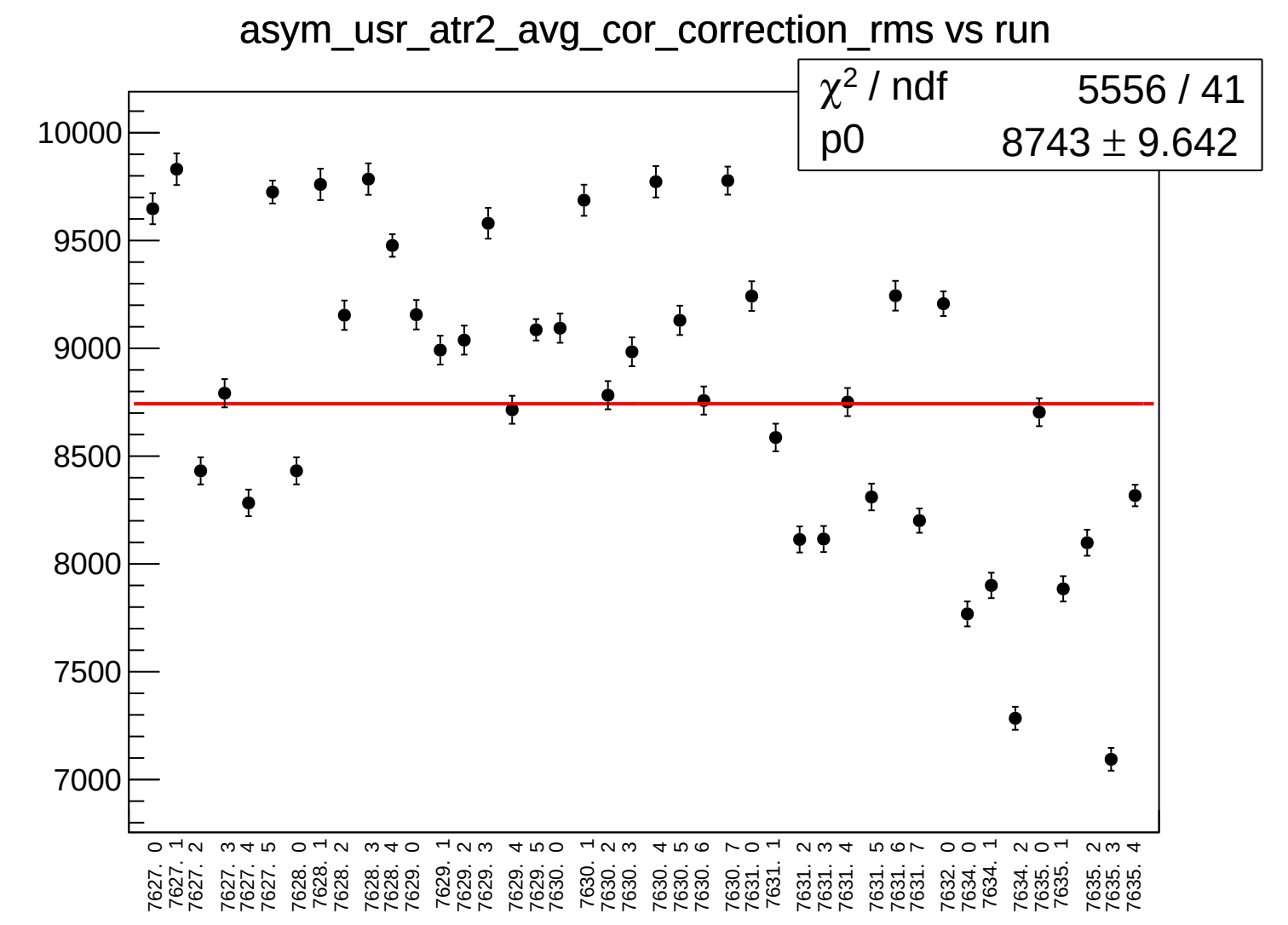

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 62.57 / 41
p0 2092 ± 2746
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 110.6
Std Dev 0
3
2
1
0
−1
−2

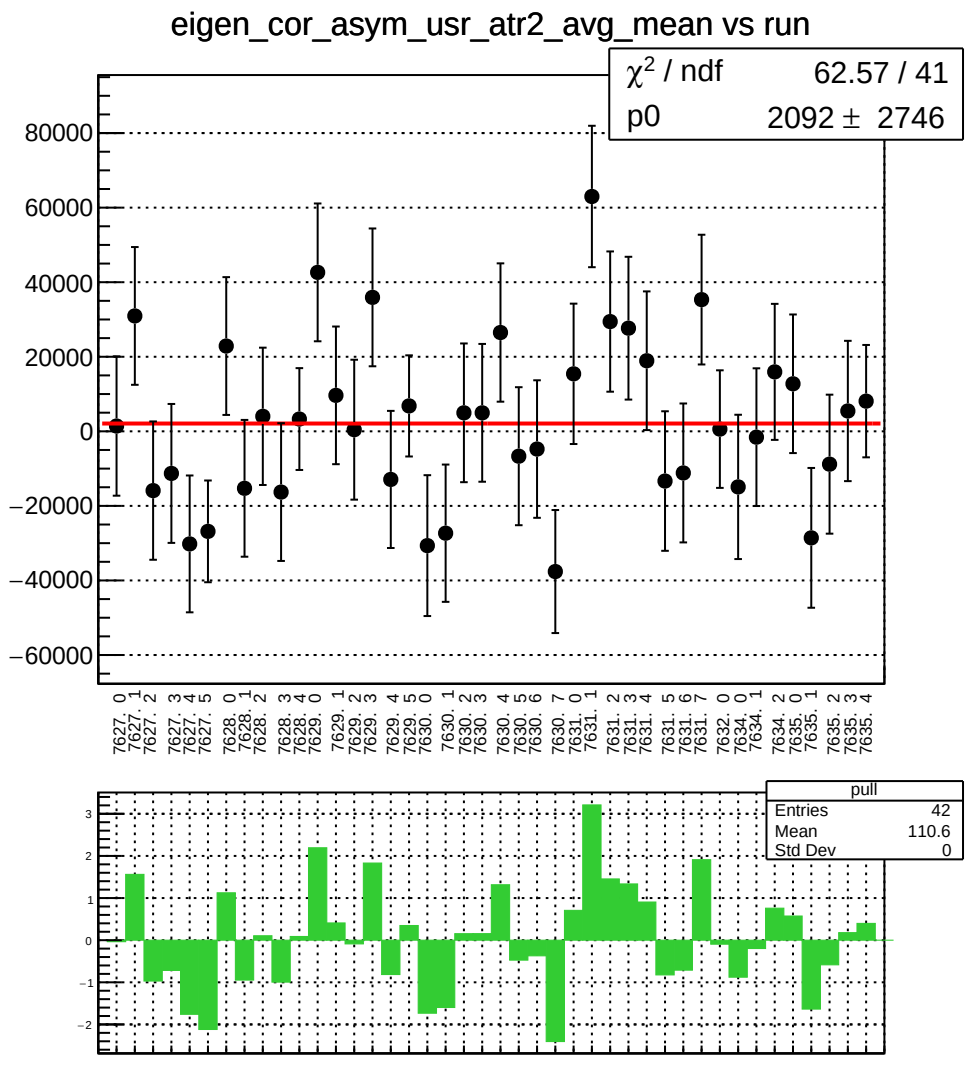

pull1D
Entries 42
Mean 0.01814
Std Dev 1.22
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

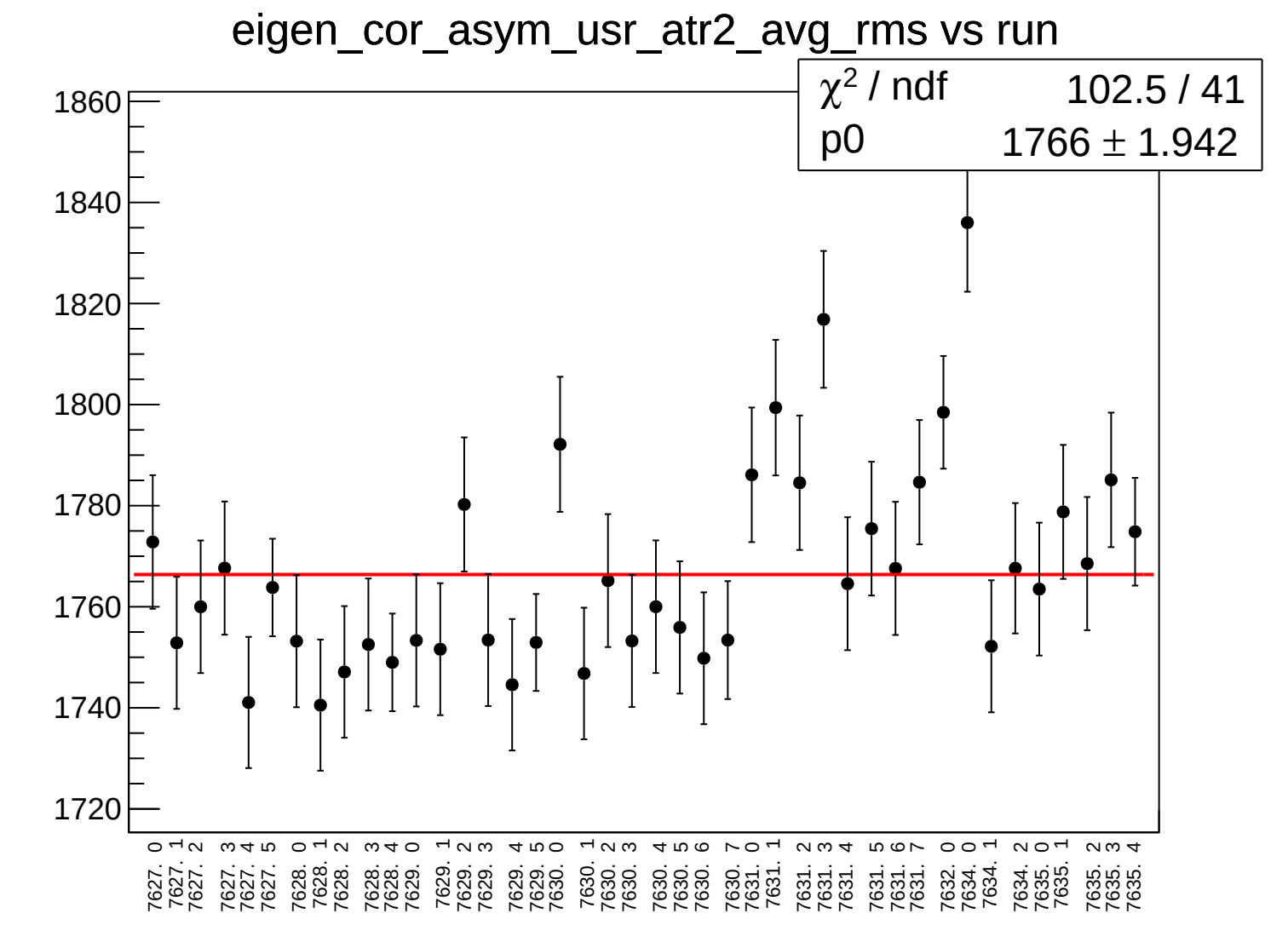

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 102.5 / 41
p0 1766 ± 1.942
1860
1840
1820
1800
1780
1760
1740
1720
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

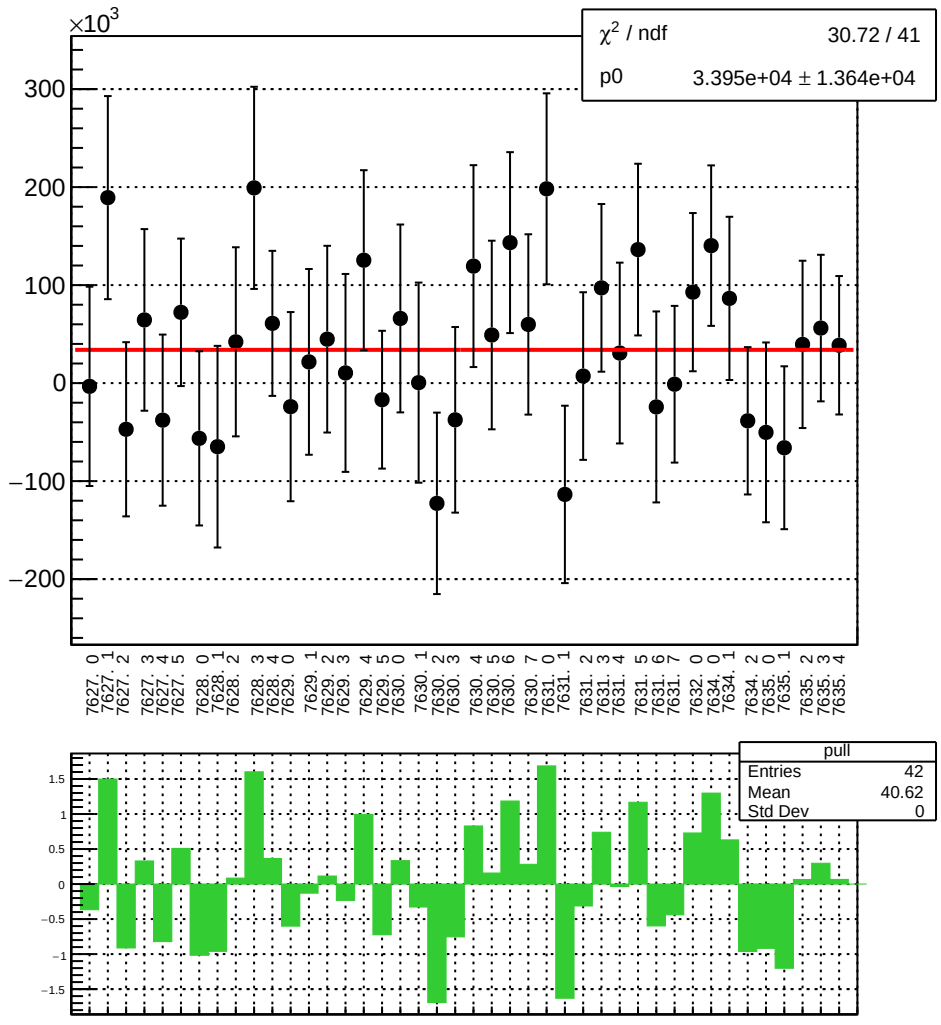

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 30.72 / 41
p0 3.395e+04 ± 1.364e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 40.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

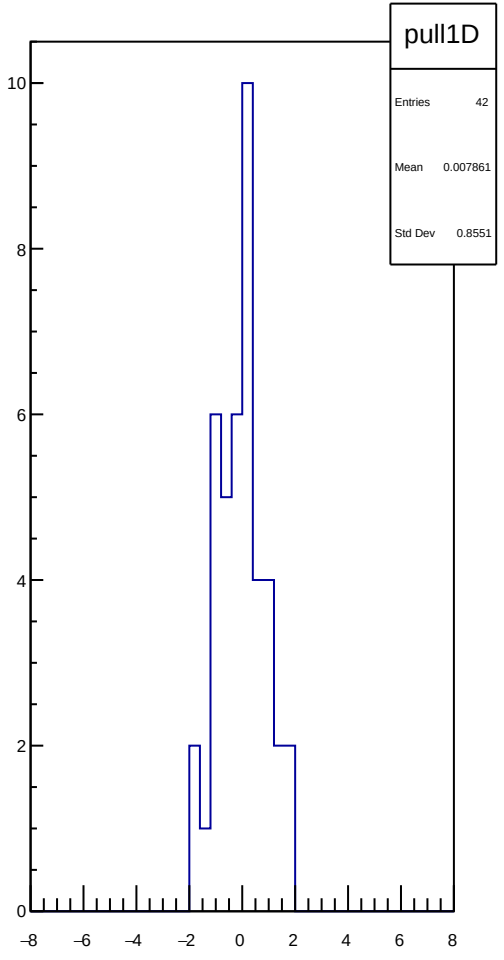

pull1D
Entries 42
Mean 0.007861
Std Dev 0.8551
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

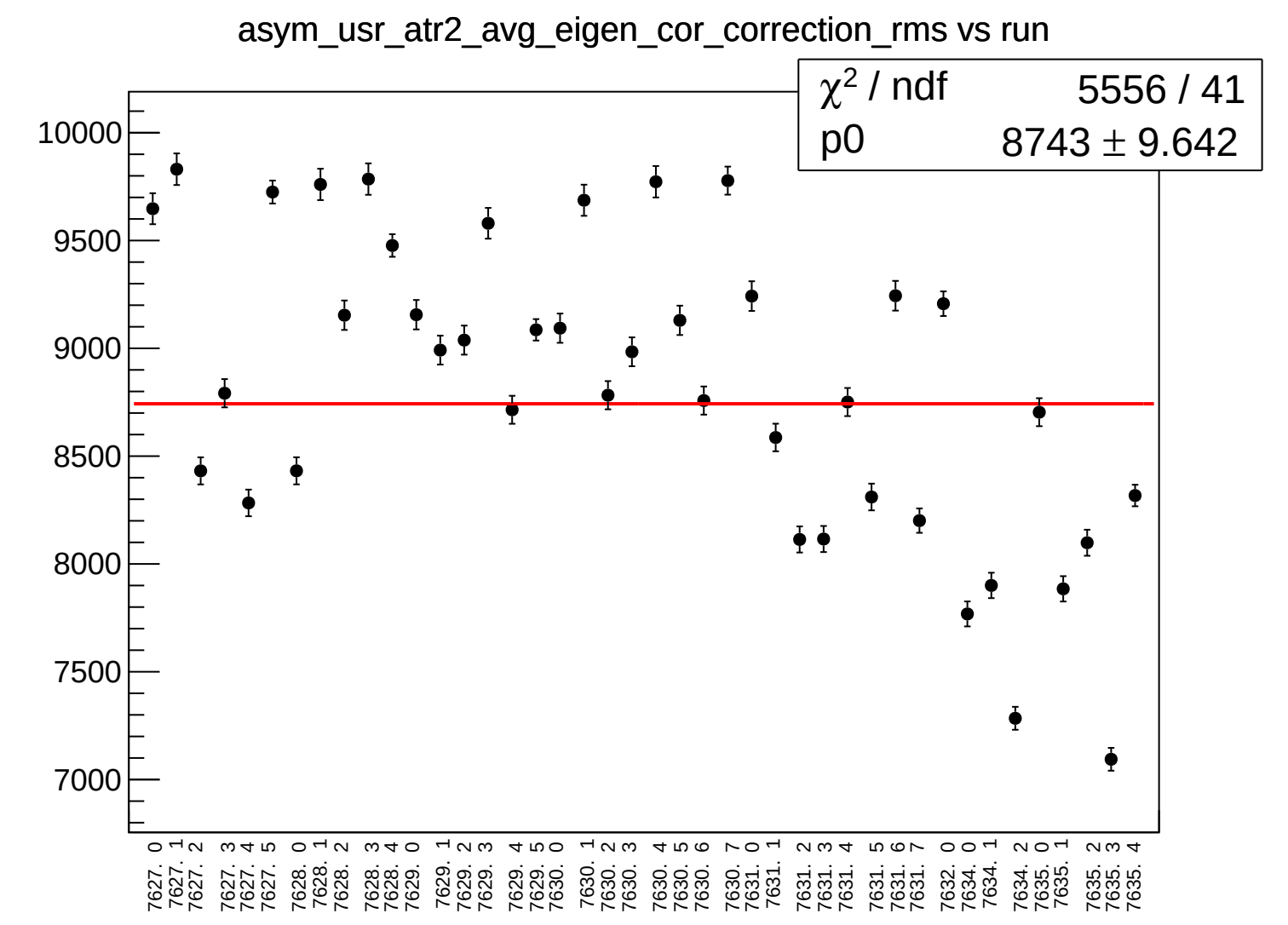

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 5556 / 41
p0 8743 ± 9.642
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 62.57 / 41
p0 2092 ± 2746
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 110.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.01814
Std Dev 1.22
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 102.5 / 41
p0 1766 ± 1.942
1860
1840
1820
1800
1780
1760
1740
1720
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.72 / 41
p0 3.395e+04 ± 1.364e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 40.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.007861
Std Dev 0.8551
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 5556 / 41
p0 8743 ± 9.642
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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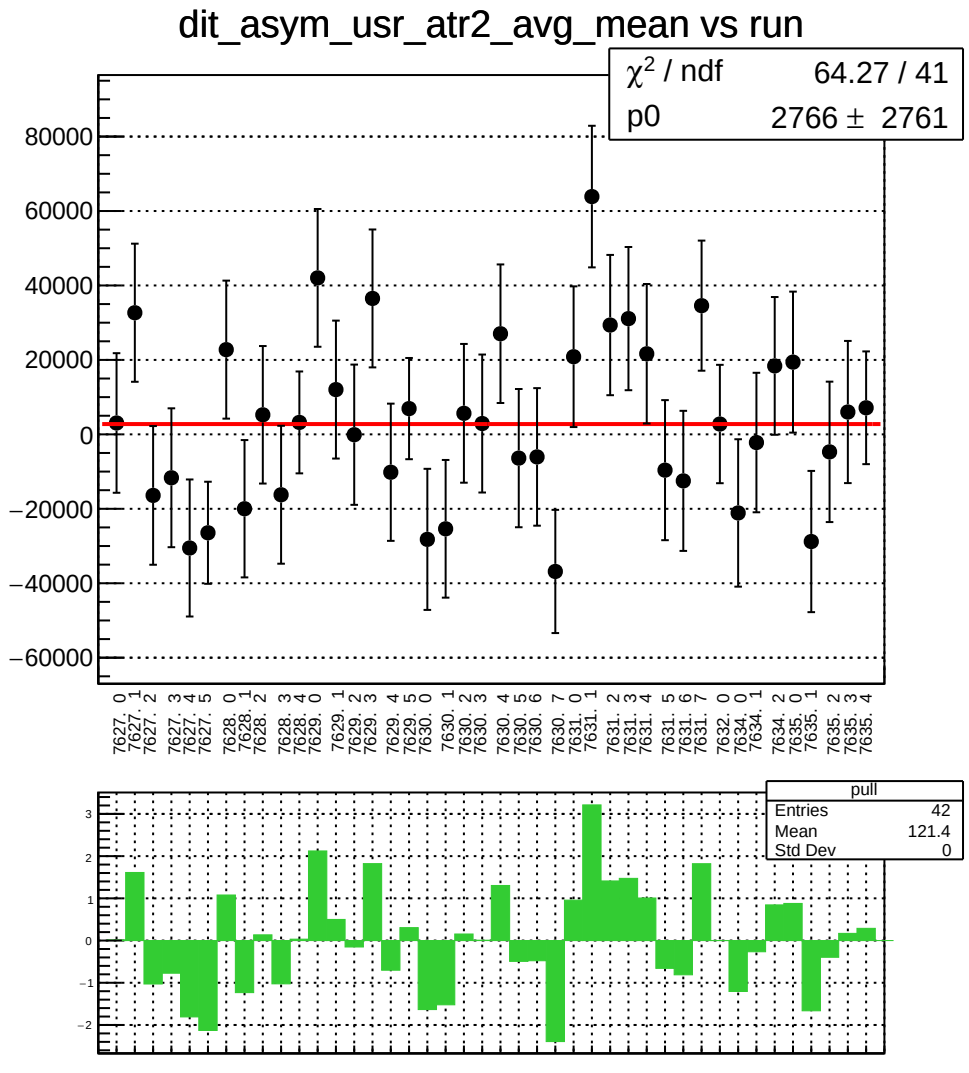
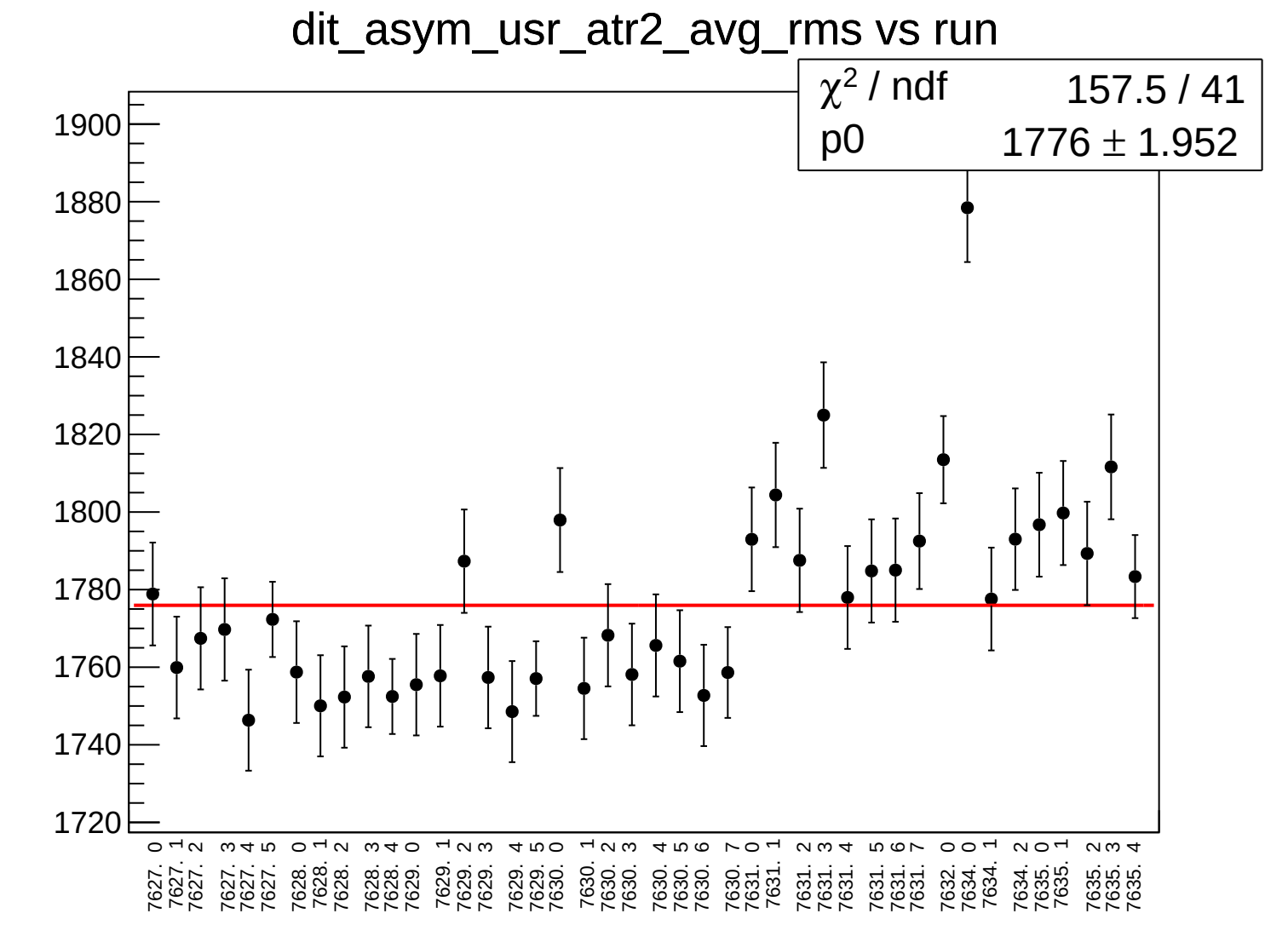
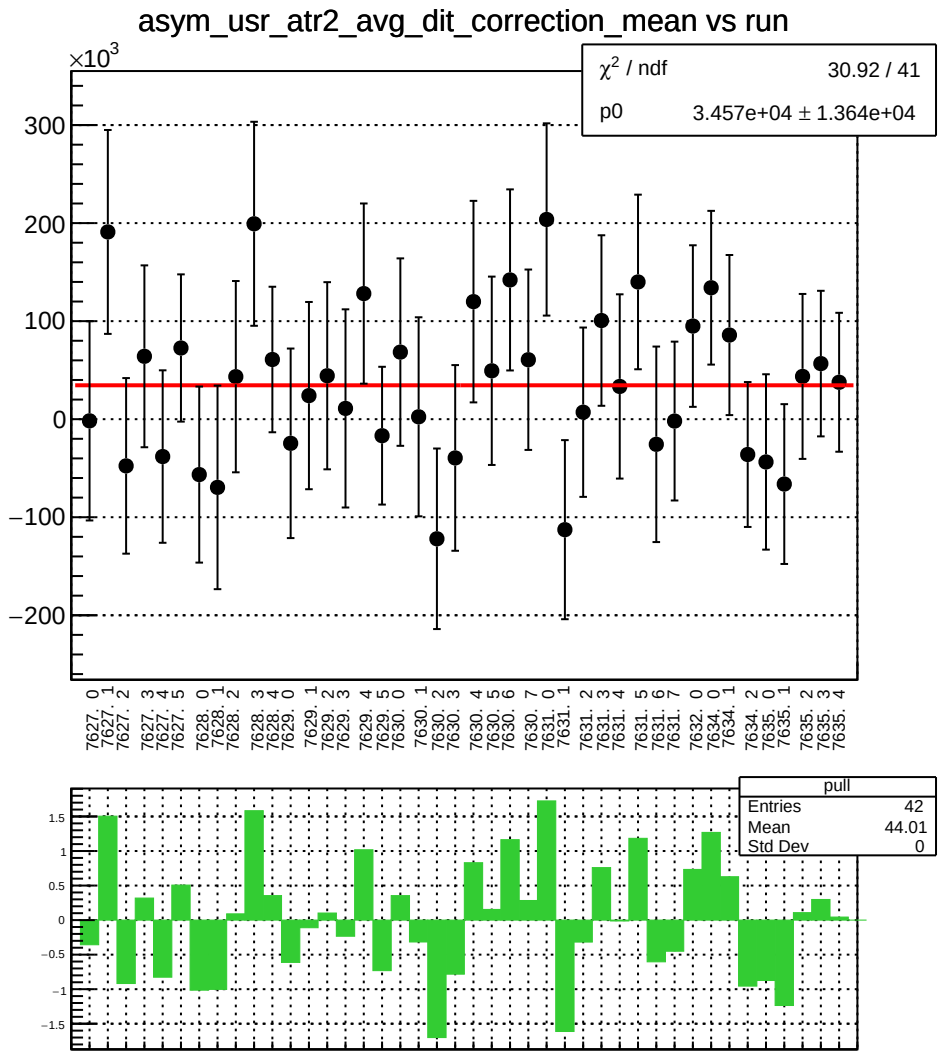
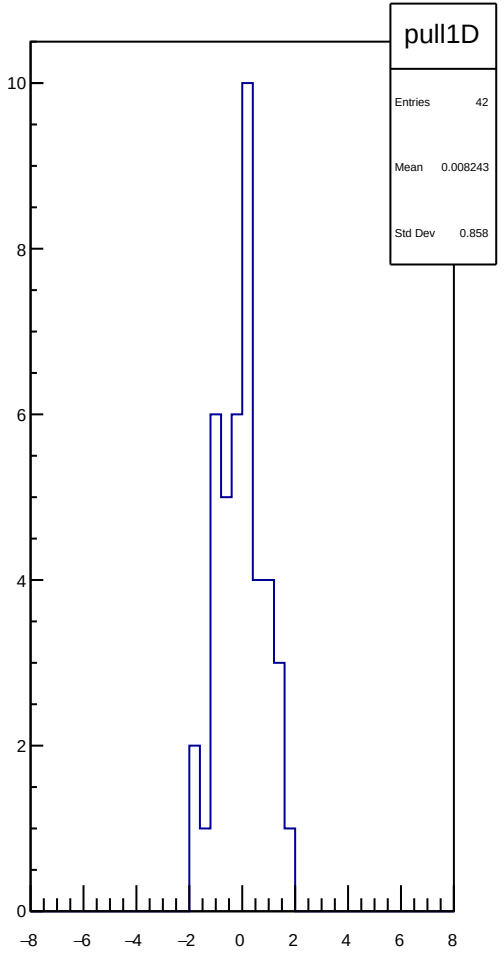
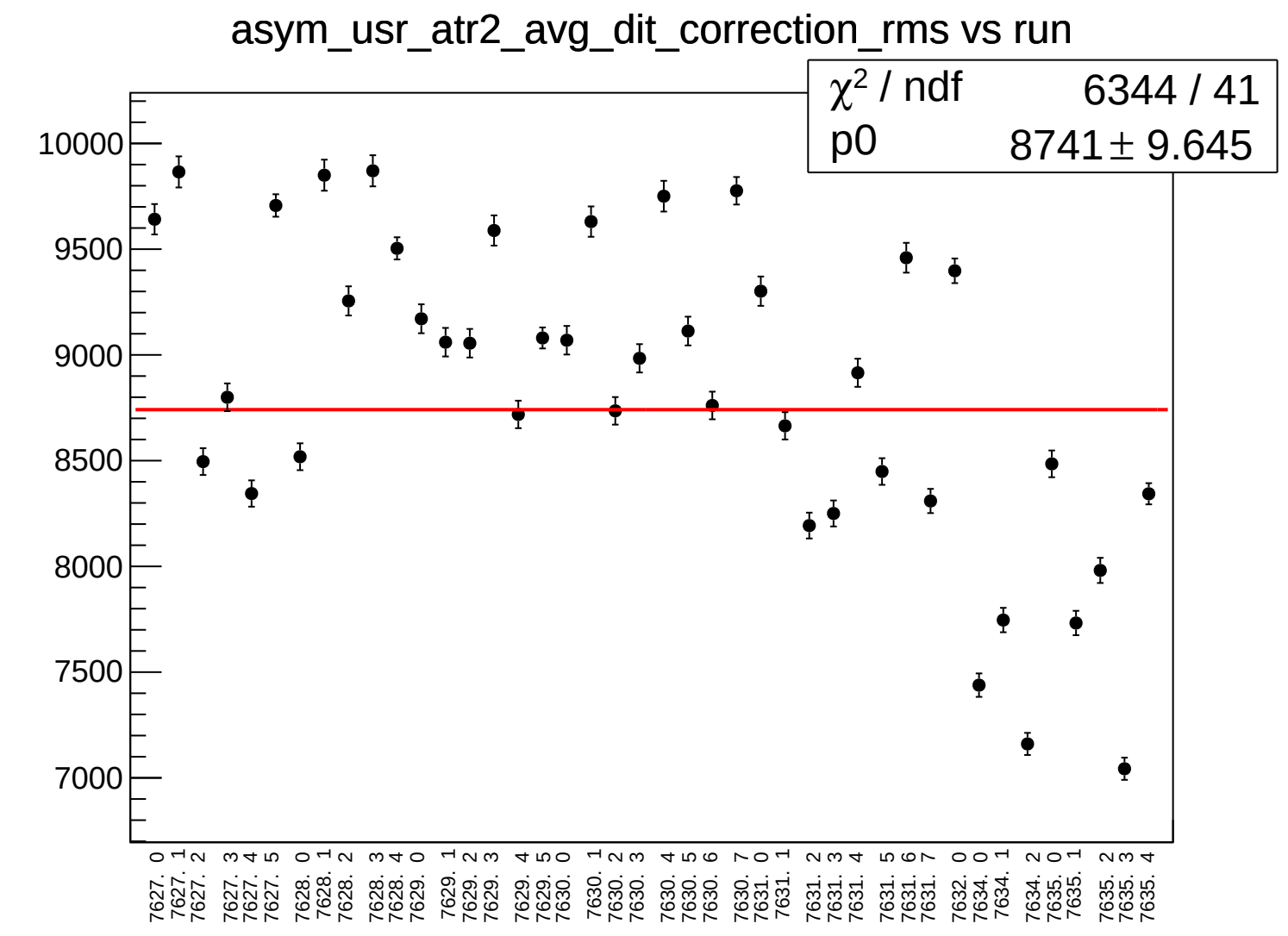
7635. 3
7635. 4


dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 64.27 / 41
p0 2766 ± 2761
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 121.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.01865
Std Dev 1.237
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 157.5 / 41
p0 1776 ± 1.952
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 30.92 / 41
p0 3.457e+04 ± 1.364e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 44.01
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.008243
Std Dev 0.858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 6344 / 41
p0 8741 ± 9.645
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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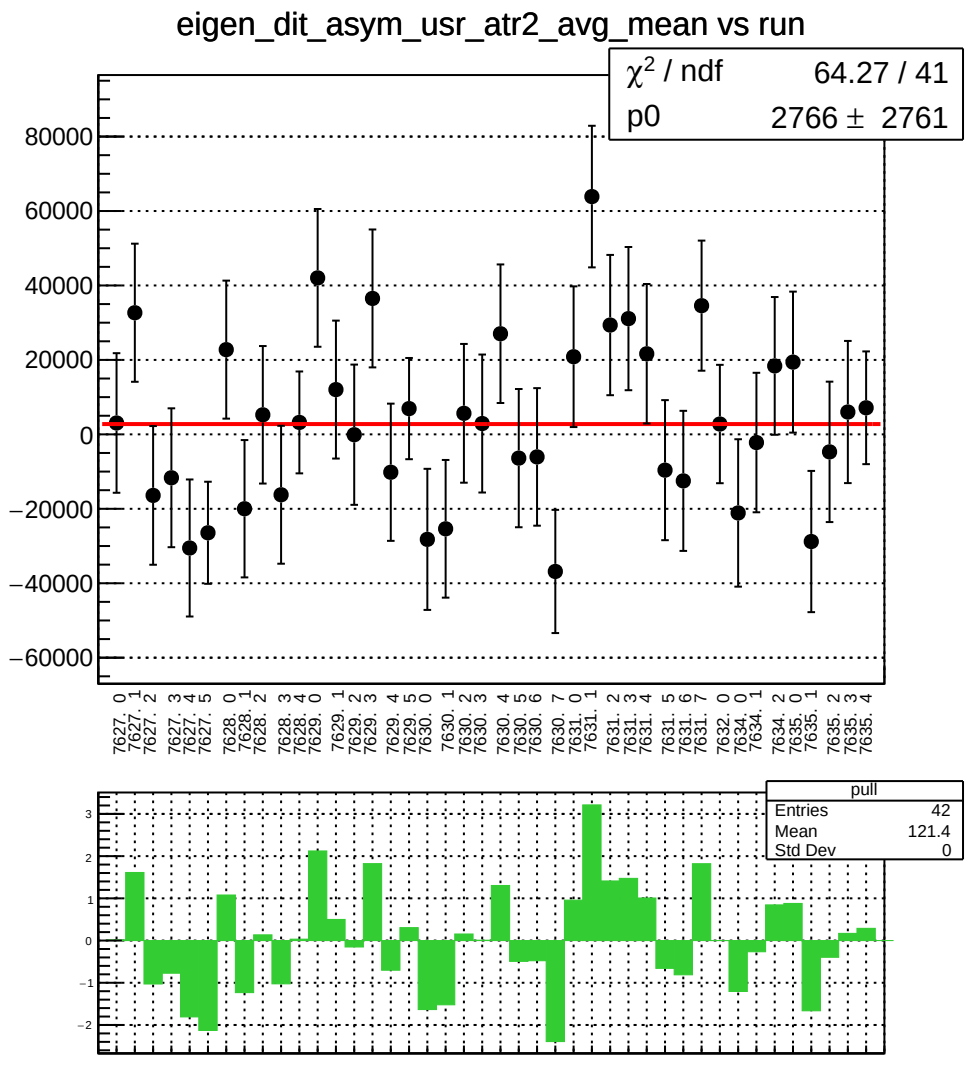
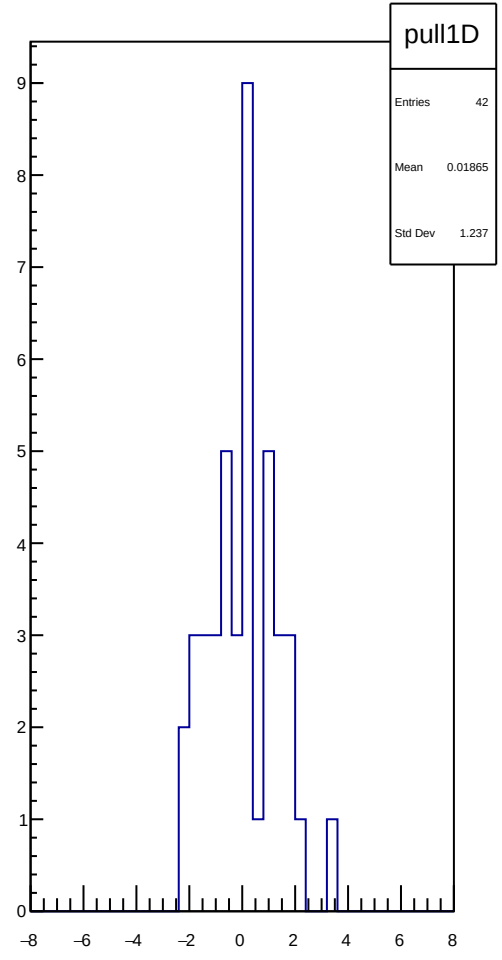
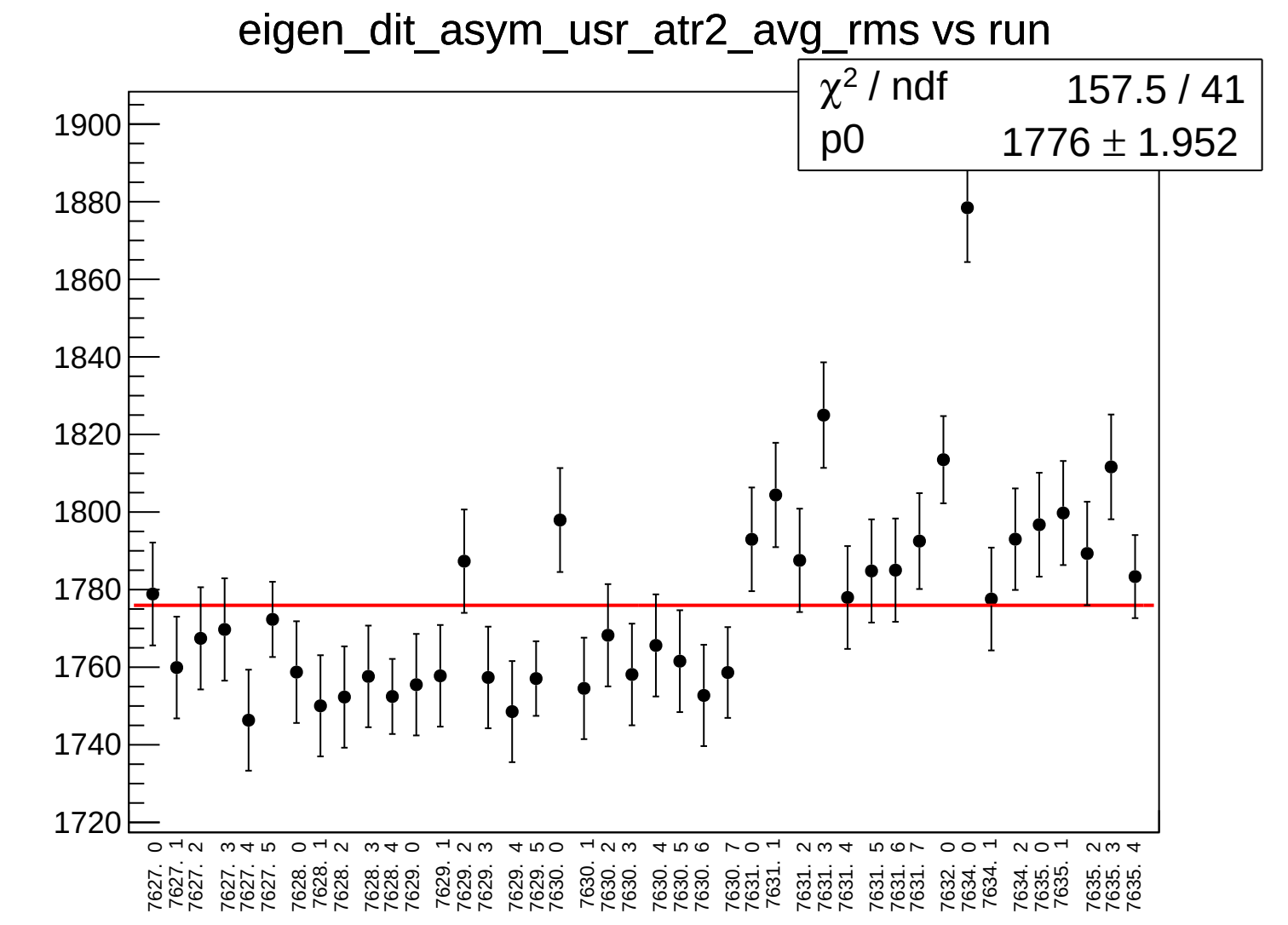
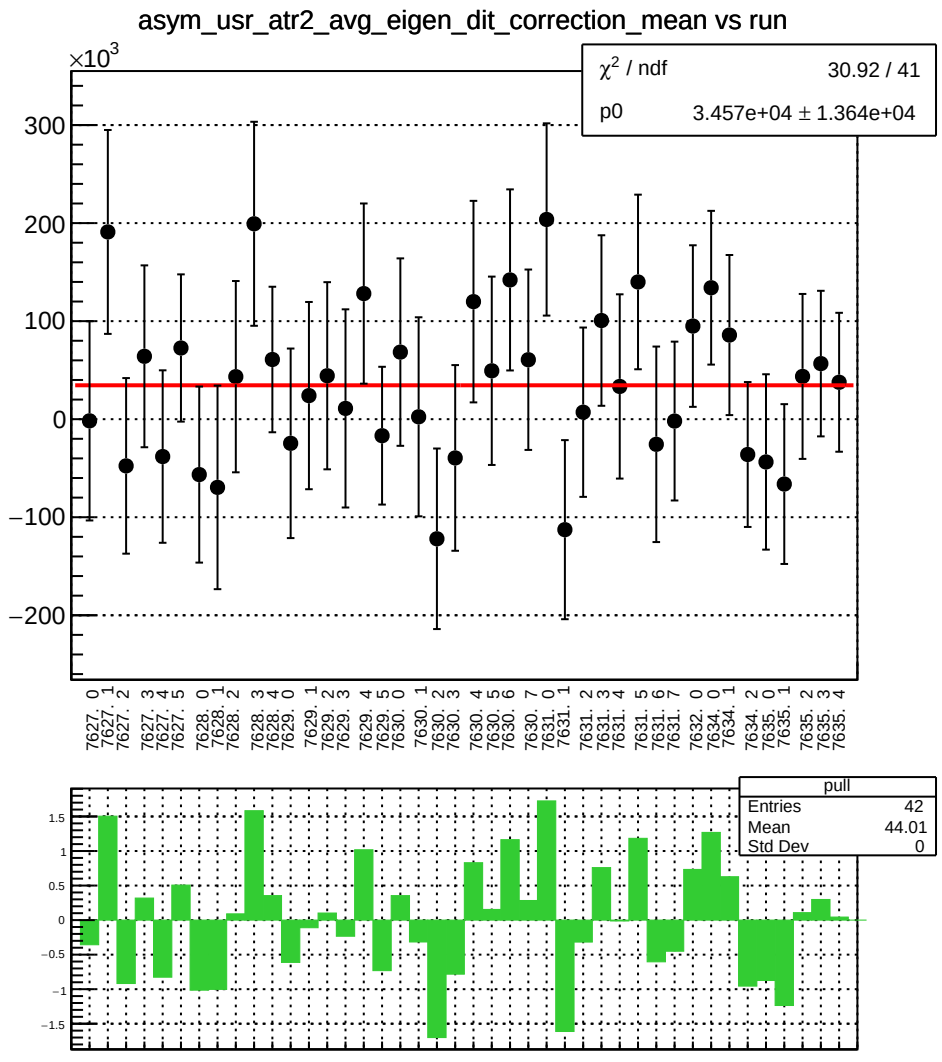
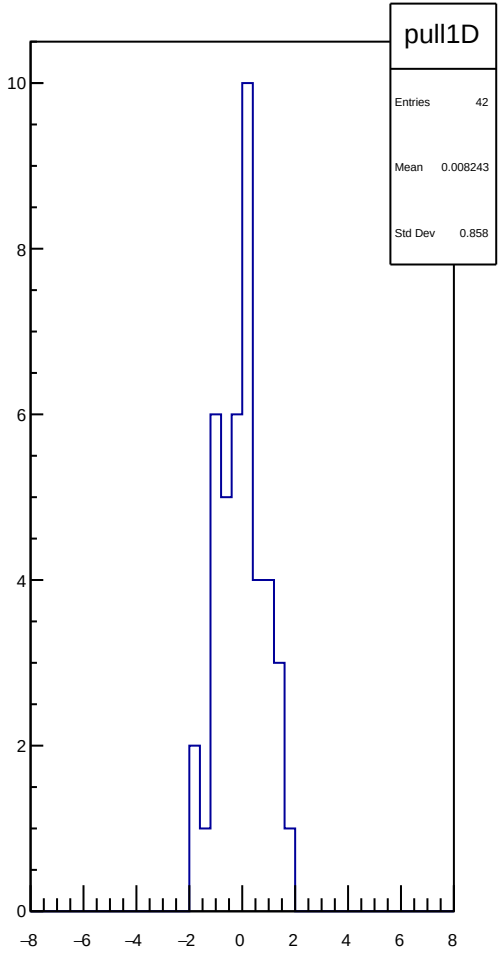
7635. 3
7635. 4

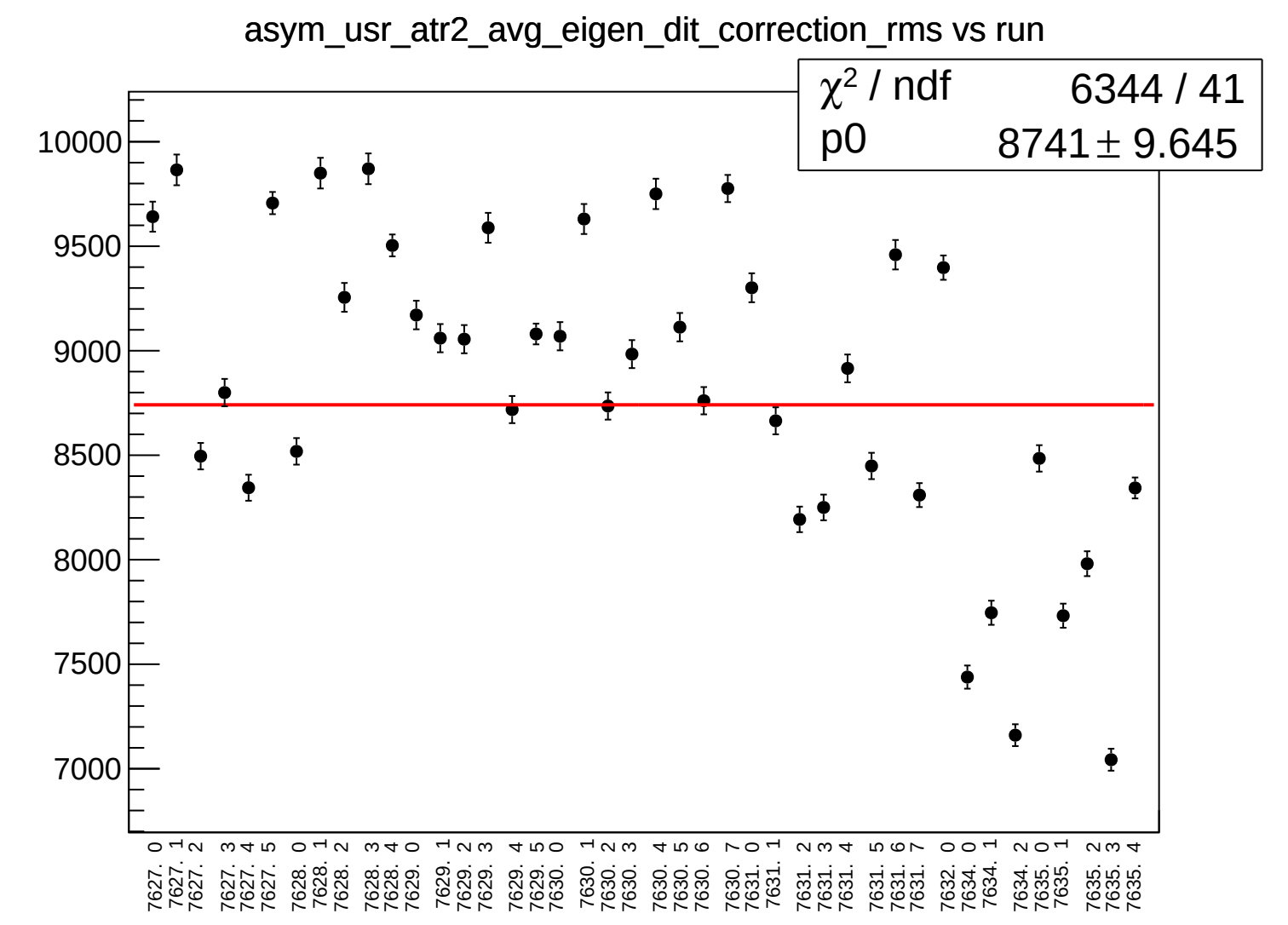

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 64.27 / 41
p0 2766 ± 2761
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 121.4
Std Dev 0
3
2
1
0
−1
−2

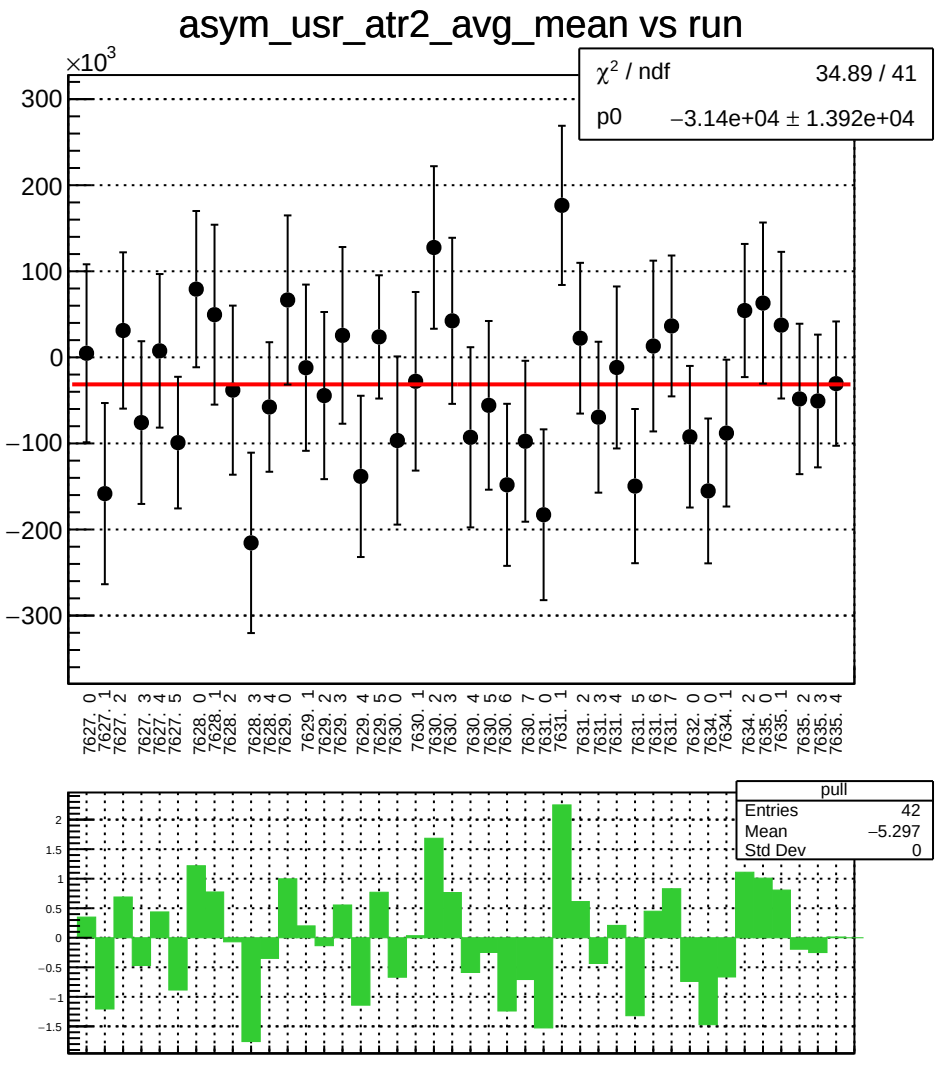

pull1D
Entries 42
Mean 0.01865
Std Dev 1.237
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

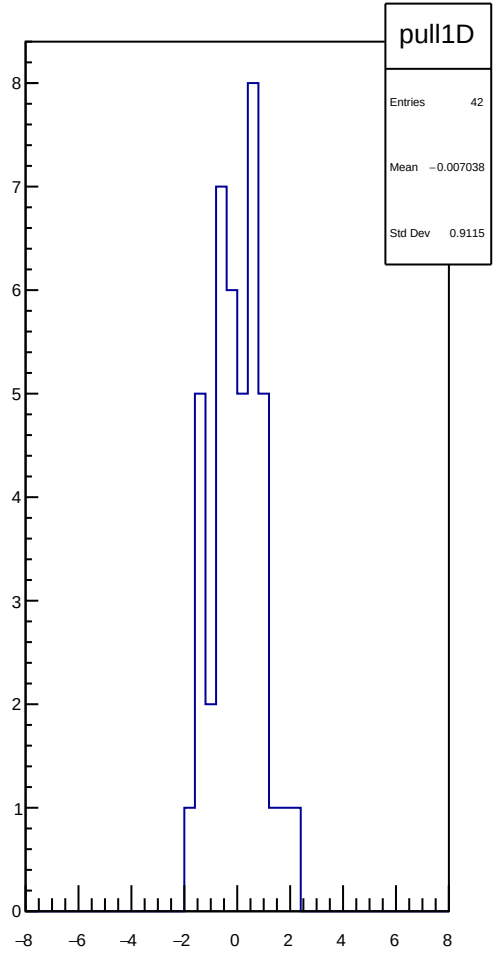

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 157.5 / 41
p0 1776 ± 1.952
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

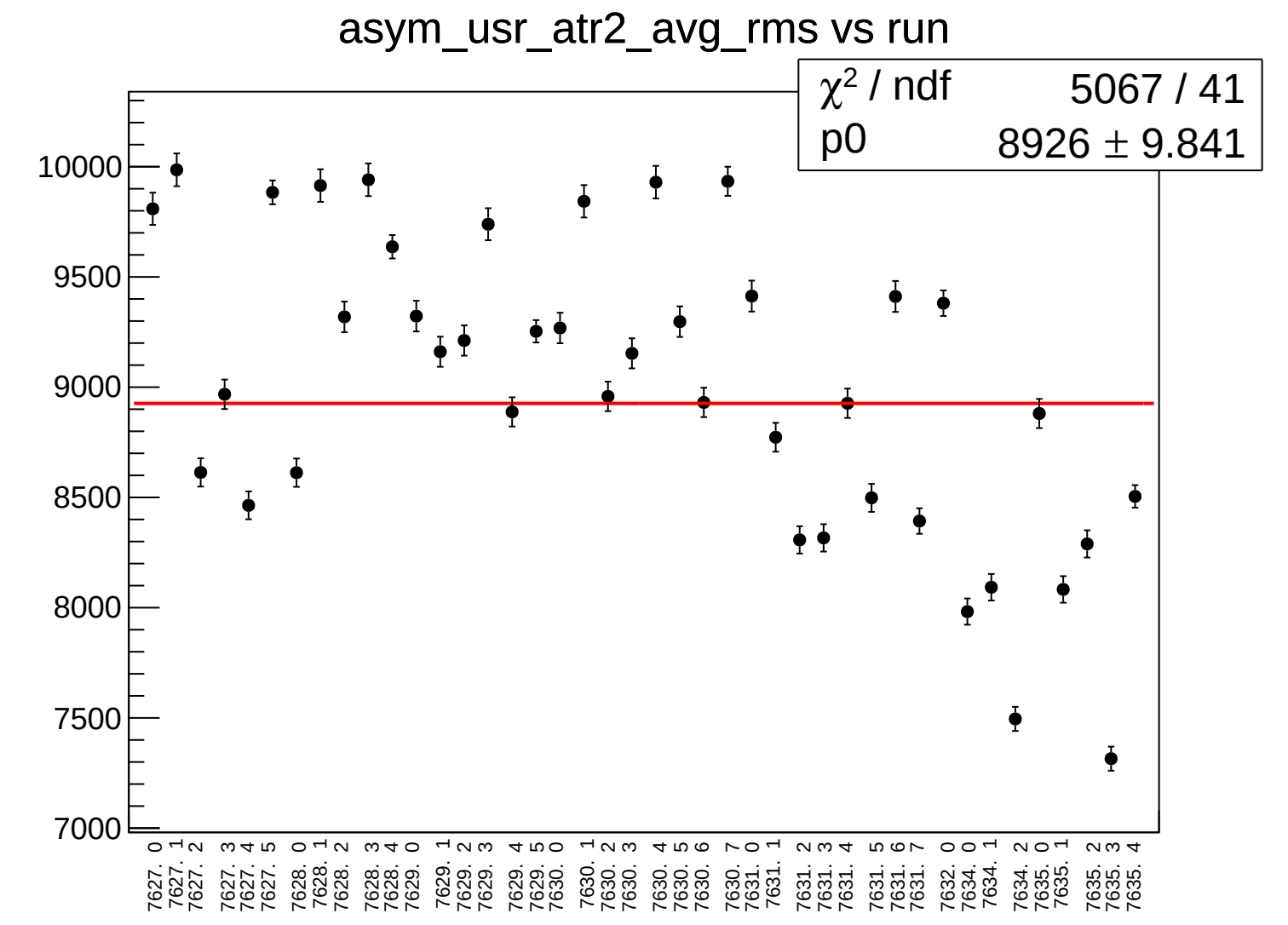

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.92 / 41
p0 3.457e+04 ± 1.364e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 44.01
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

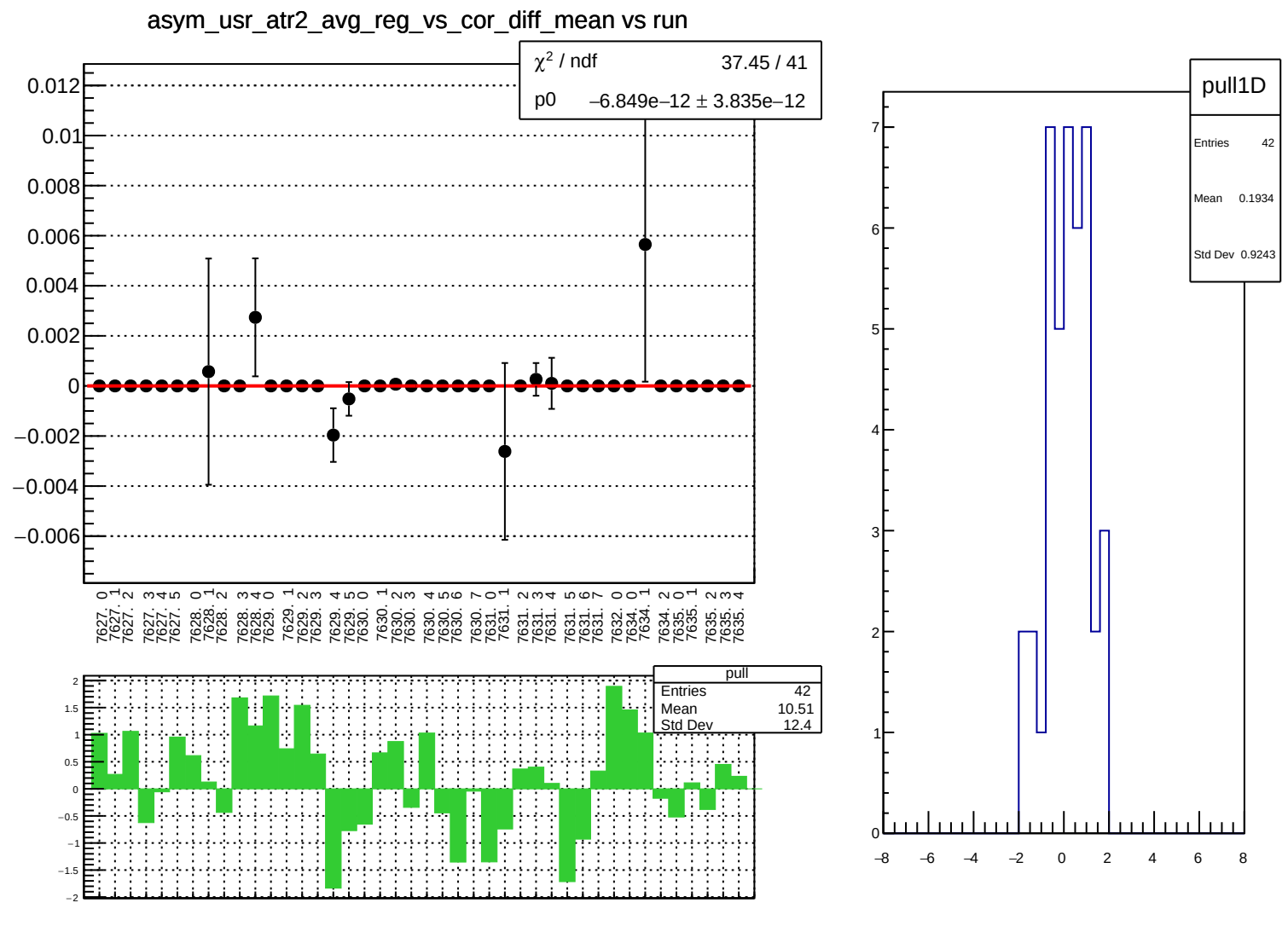

pull1D
Entries 42
Mean 0.008243
Std Dev 0.858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

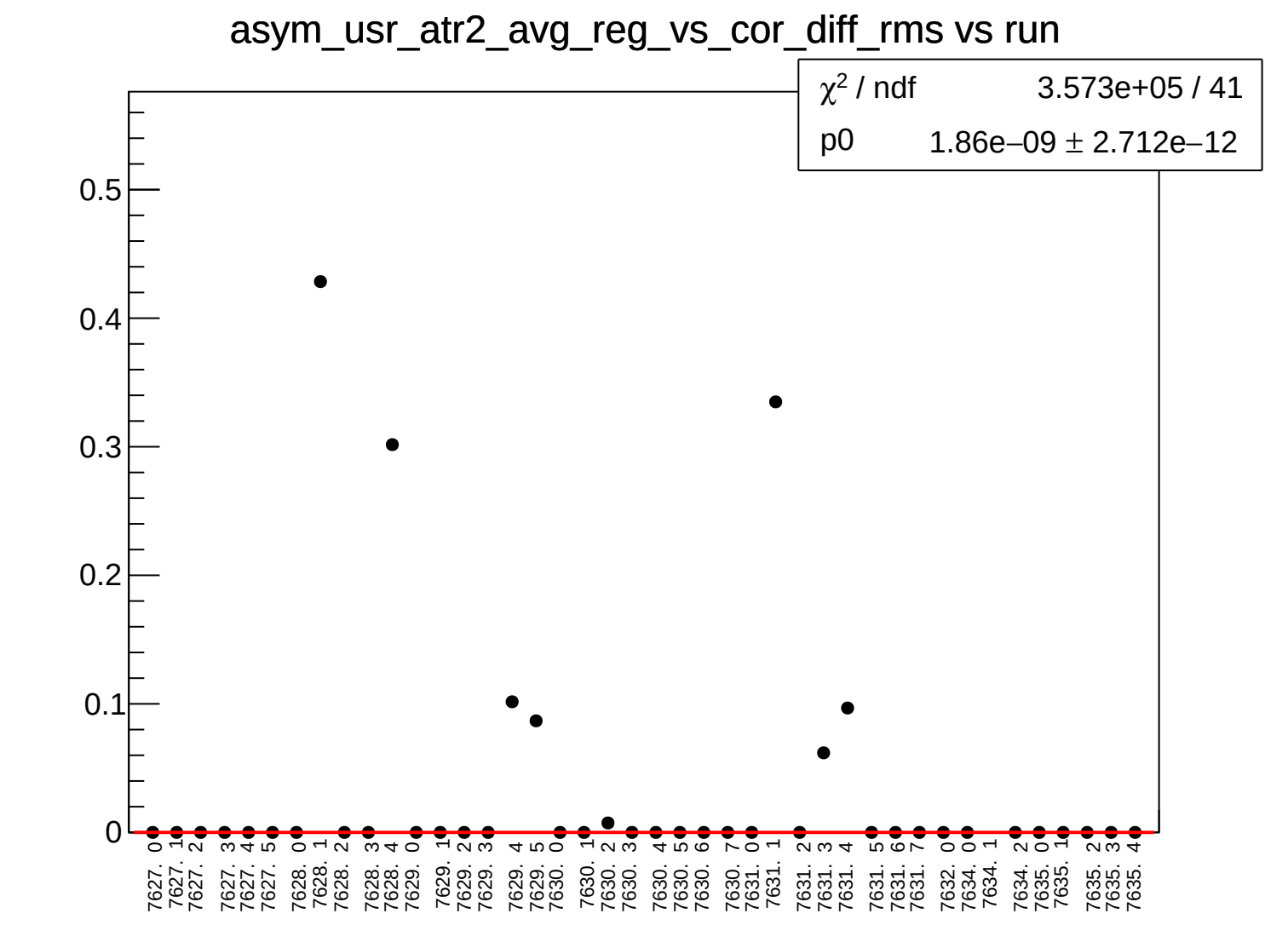

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 6344 / 41
p0 8741 ± 9.645
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

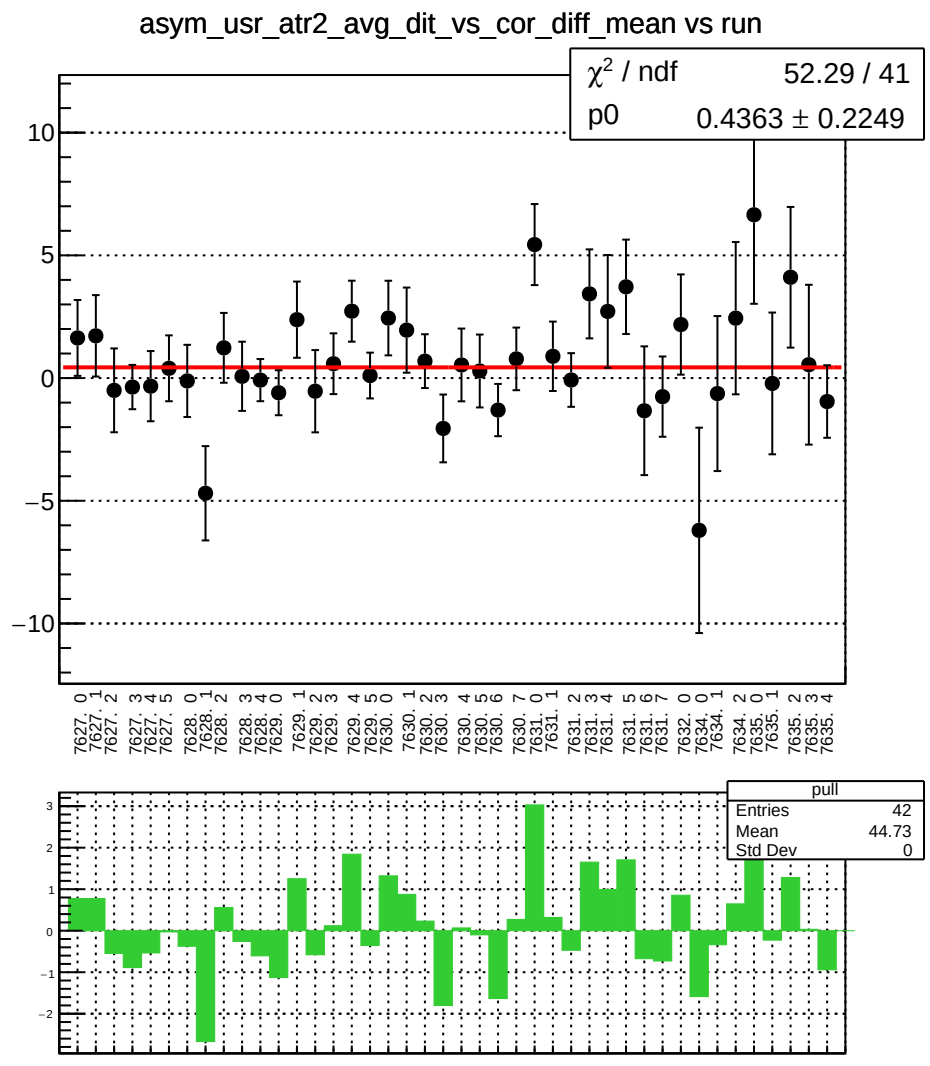

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 34.89 / 41
p0 −3.14e+04 ± 1.392e+04
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.297
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

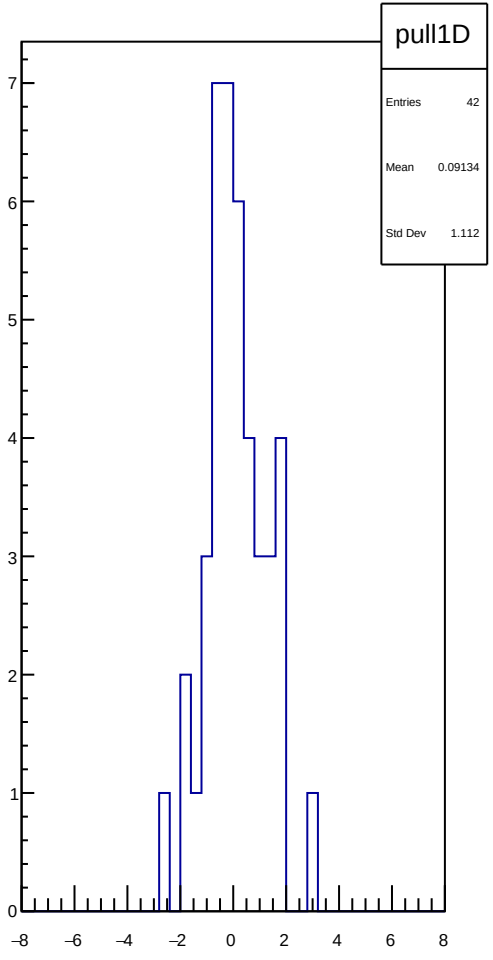

pull1D
Entries 42
Mean −0.007038
Std Dev 0.9115
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

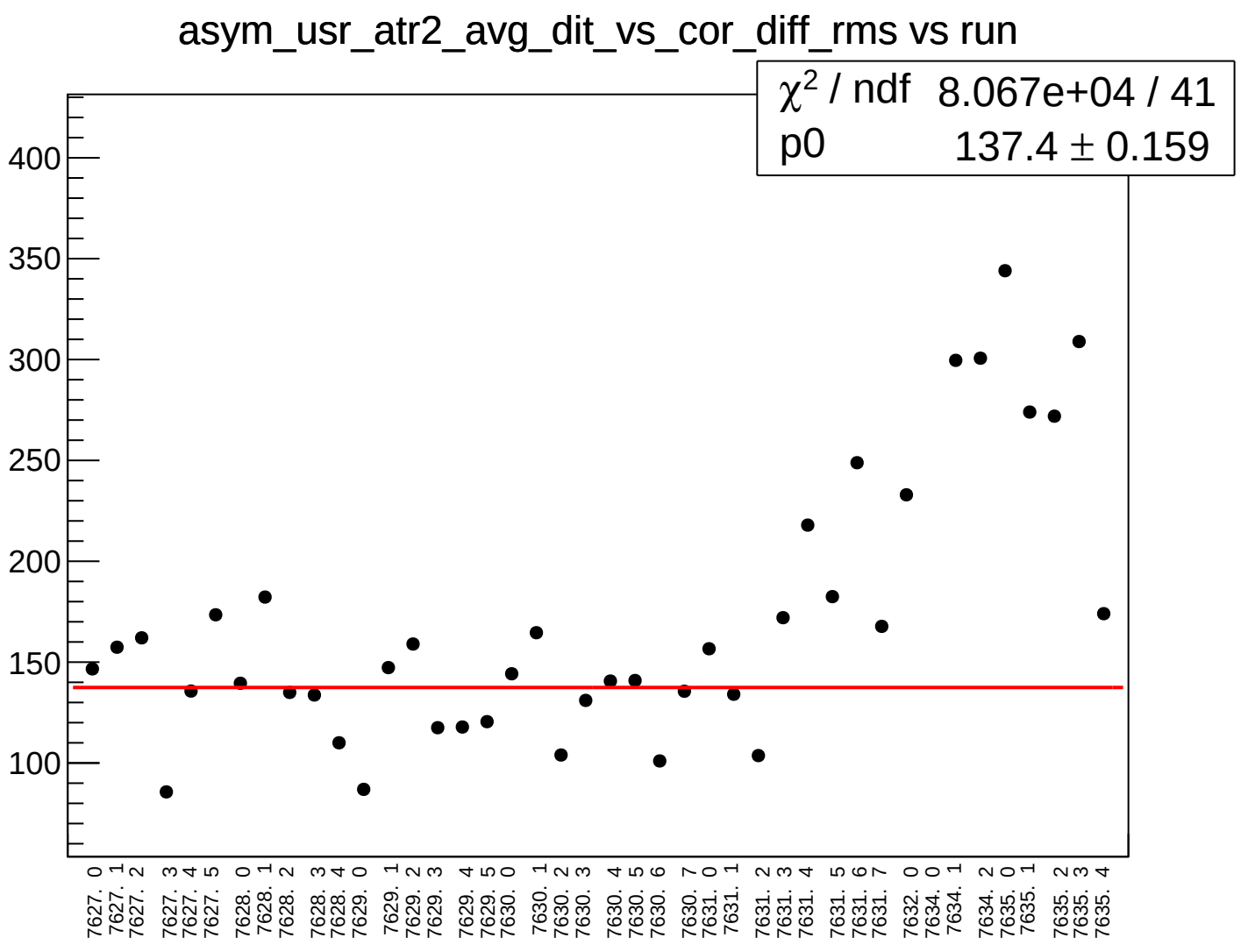

asym_usr_atr2_avg_rms vs run
χ² / ndf 5067 / 41
p0 8926 ± 9.841
10000
9500
9000
8500
8000
7500
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

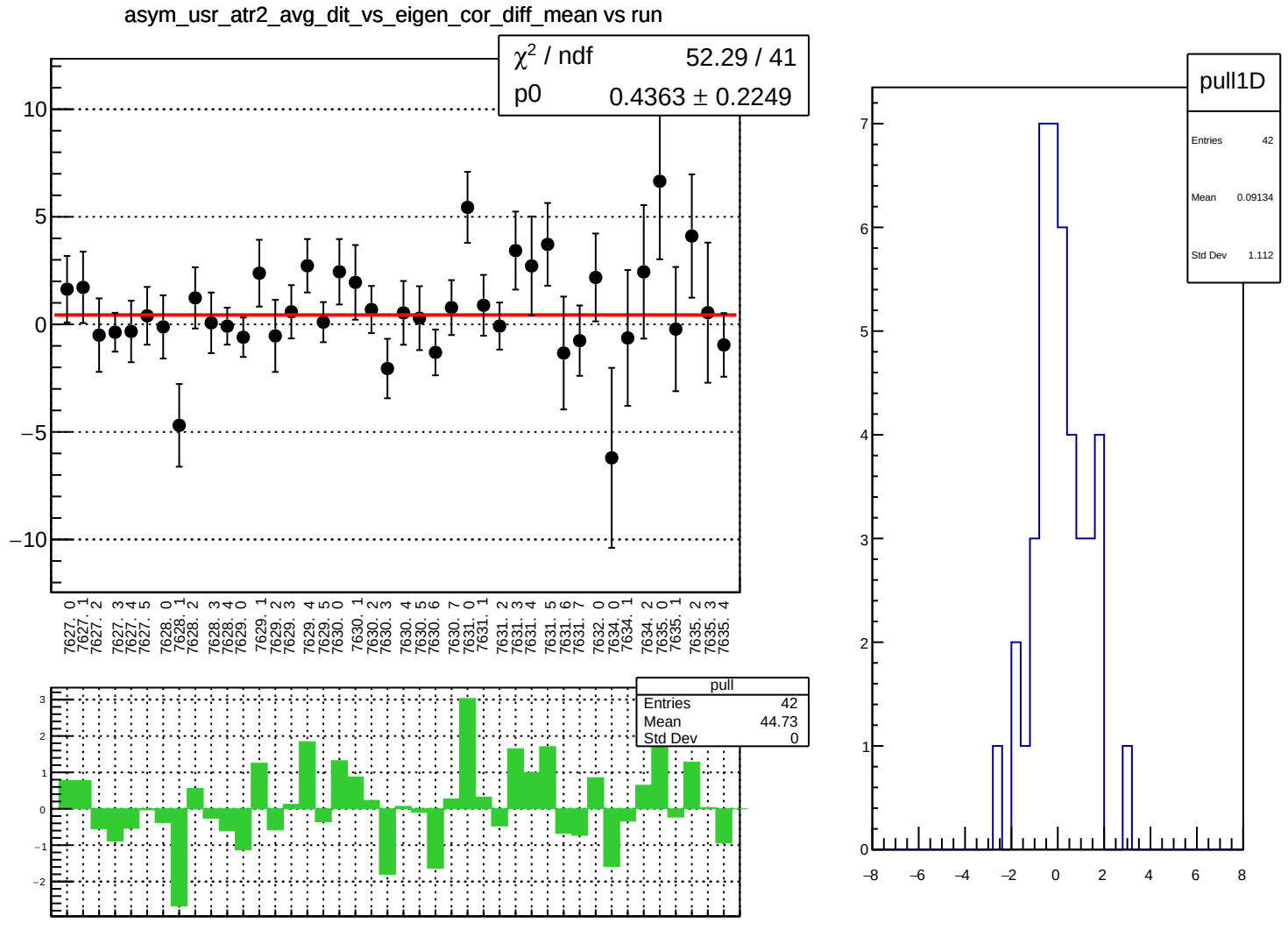

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 37.45 / 41
p0 −6.849e−12 ± 3.835e−12
pull
Entries 42
Mean 10.51
Std Dev 12.4
pull1D
Entries 42
Mean 0.1934
Std Dev 0.9243

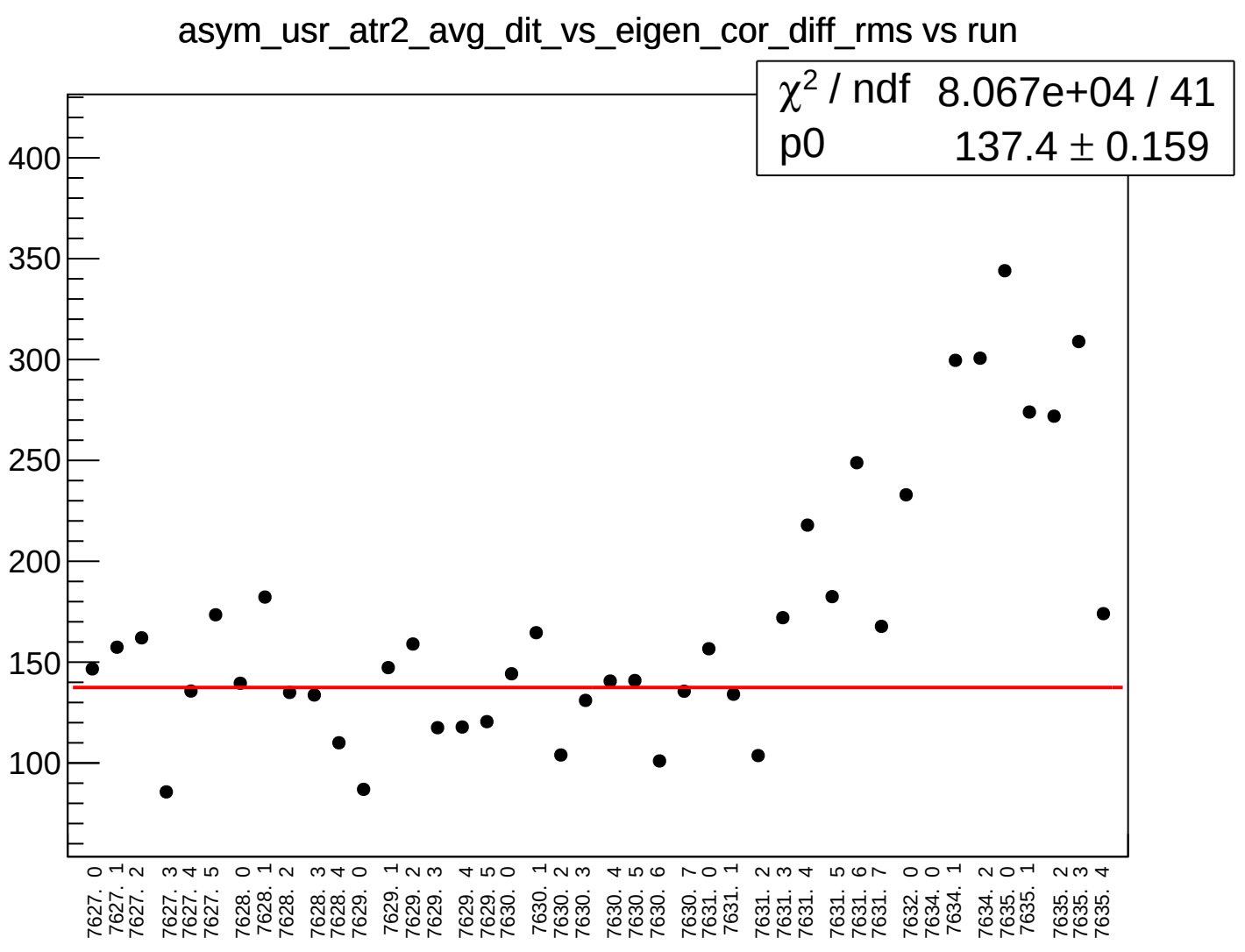

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.573e+05 / 41
p0 1.86e−09 ± 2.712e−12
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

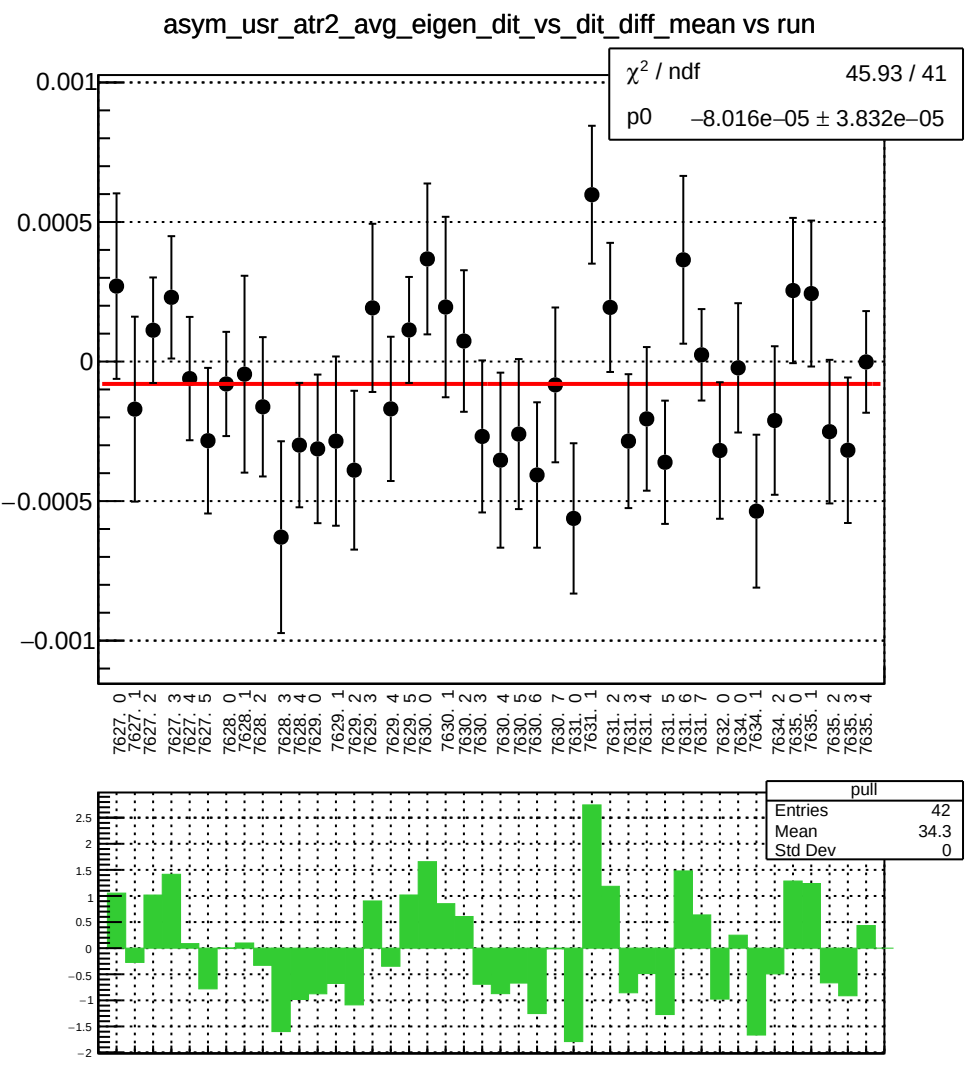

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.29 / 41
p0 0.4363 ± 0.2249
pull
Entries 42
Mean 44.73
Std Dev 0

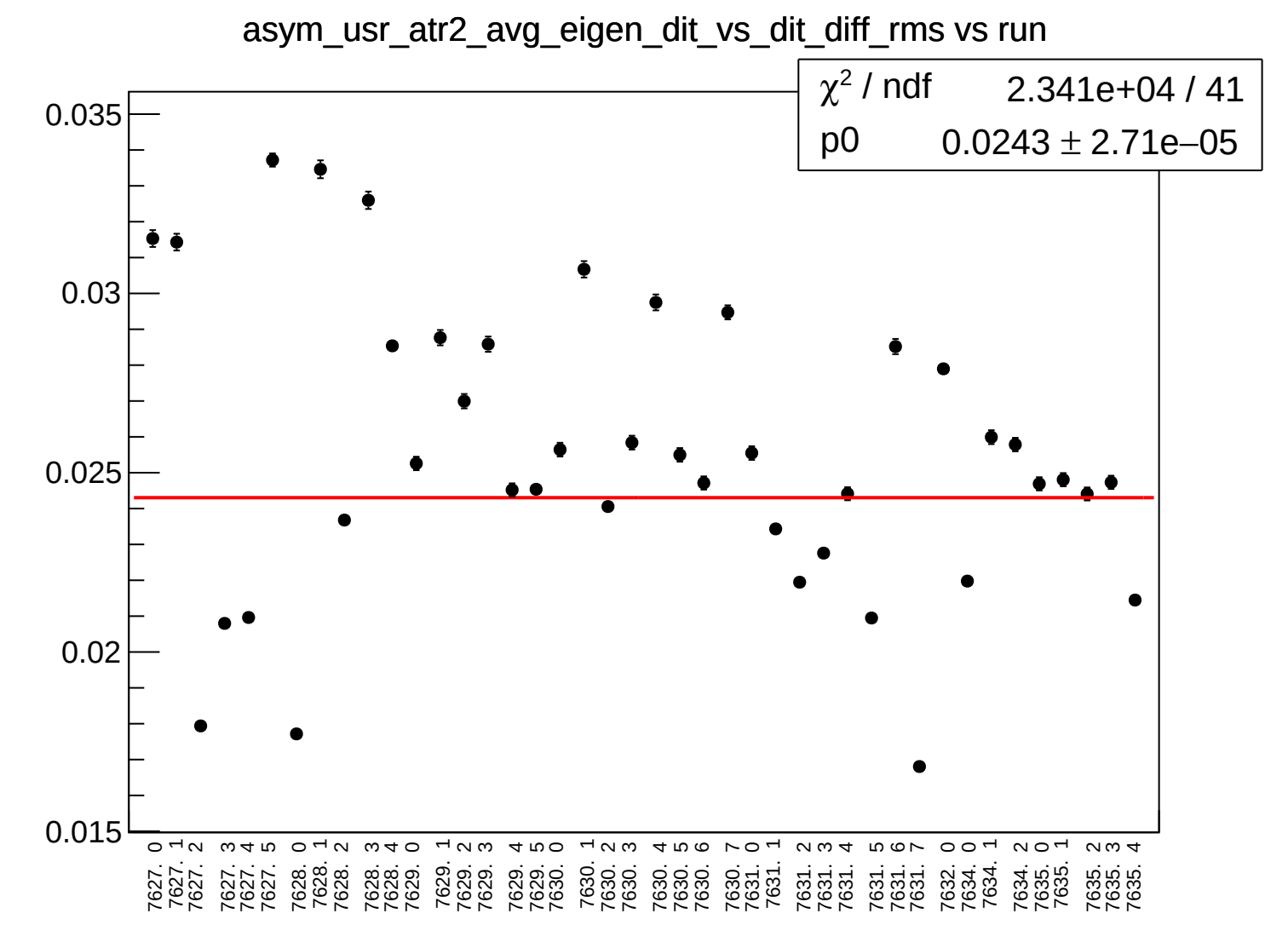

pull1D
Entries 42
Mean 0.09134
Std Dev 1.112

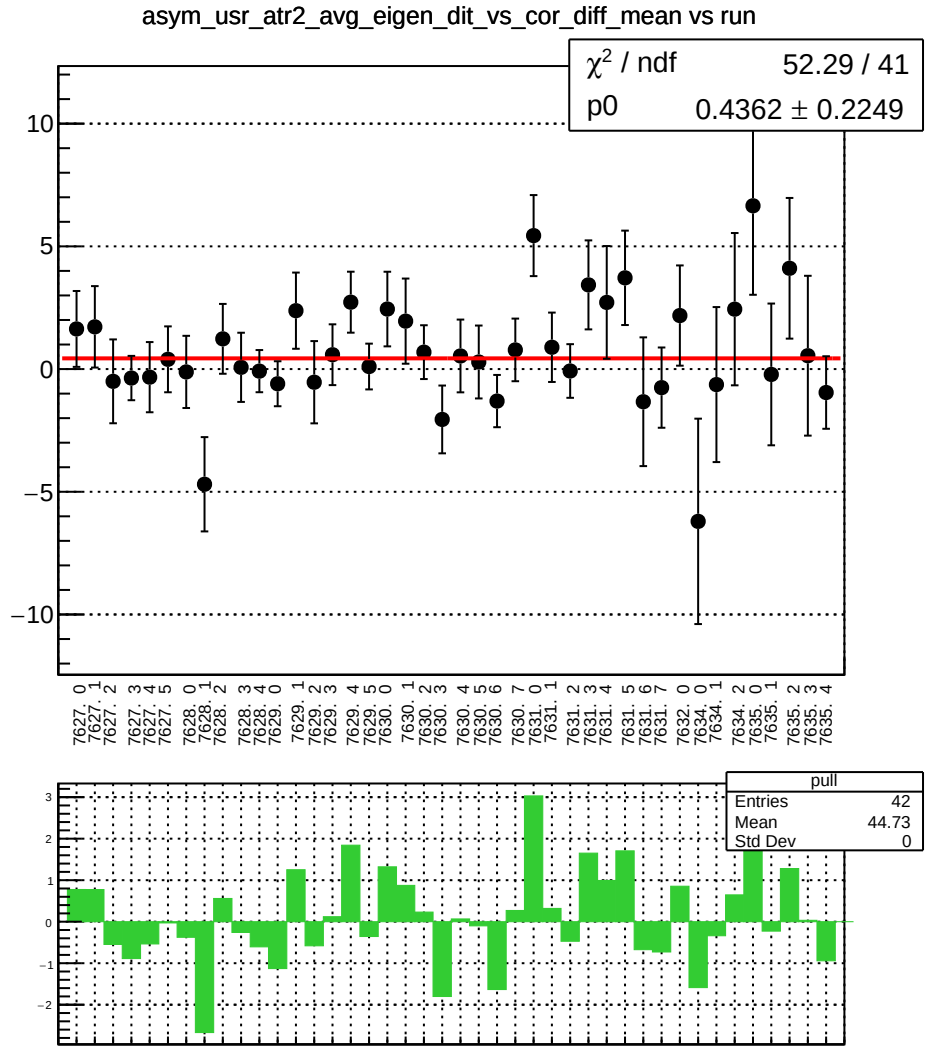

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.067e+04 / 41
p0 137.4 ± 0.159
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

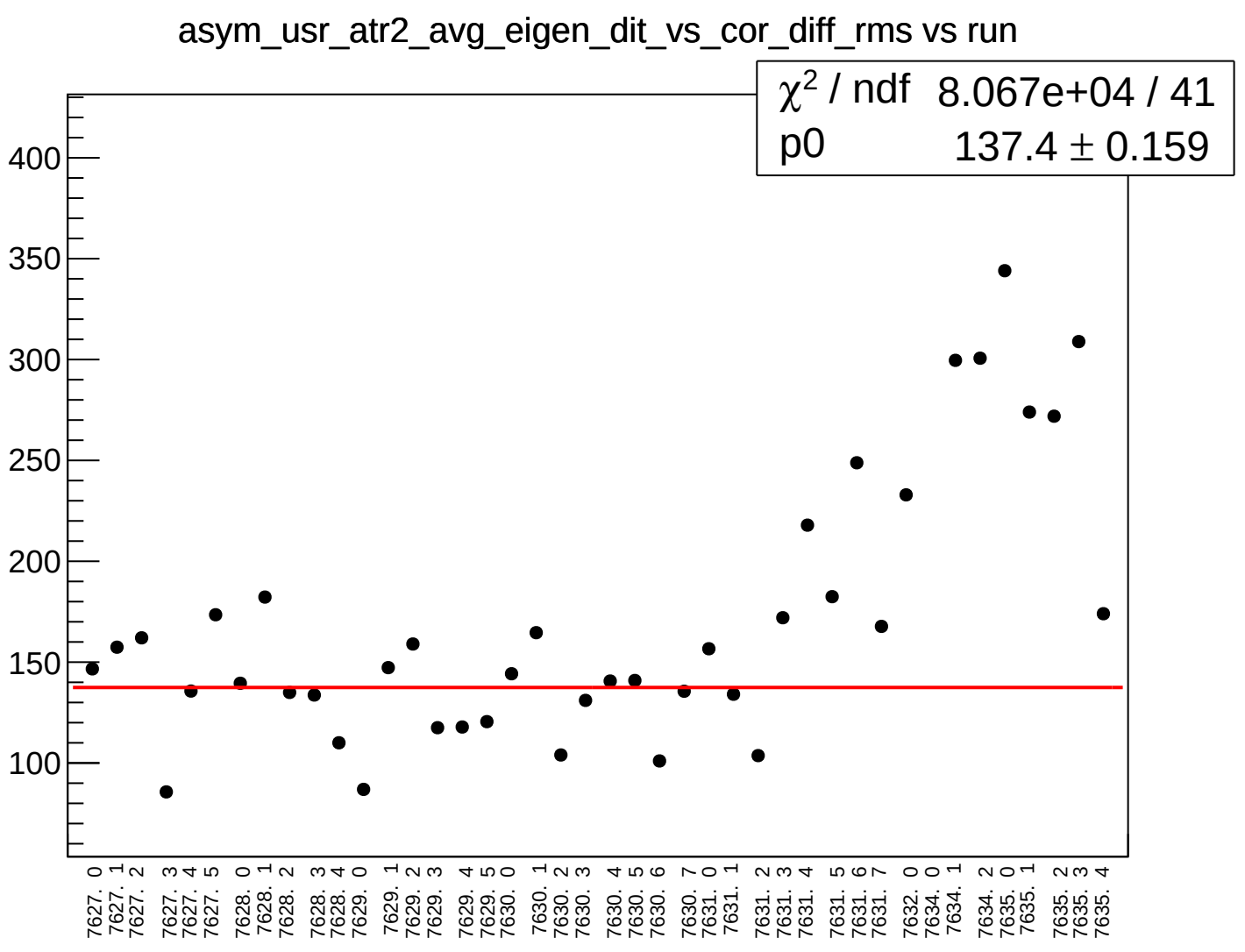

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.29 / 41
p0 0.4363 ± 0.2249
pull
Entries 42
Mean 44.73
Std Dev 0
pull1D
Entries 42
Mean 0.09134
Std Dev 1.112

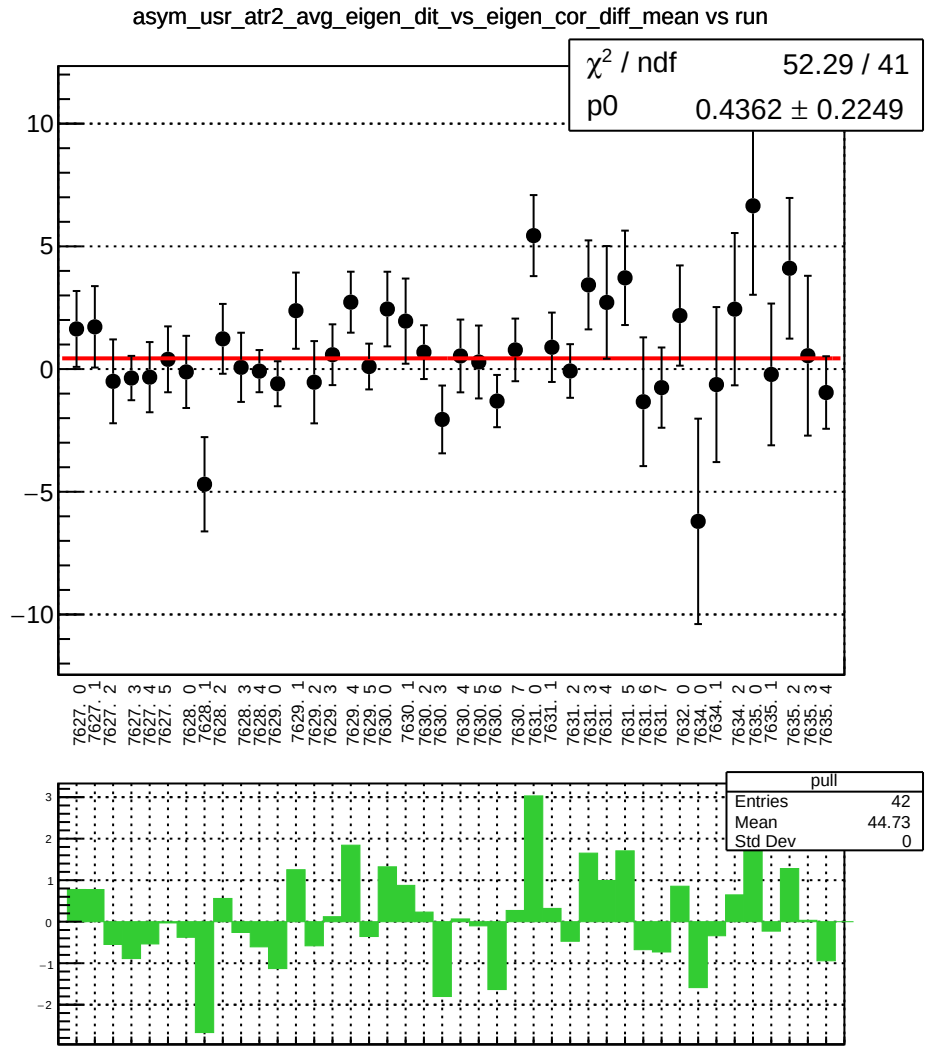

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.067e+04 / 41
p0 137.4 ± 0.159
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

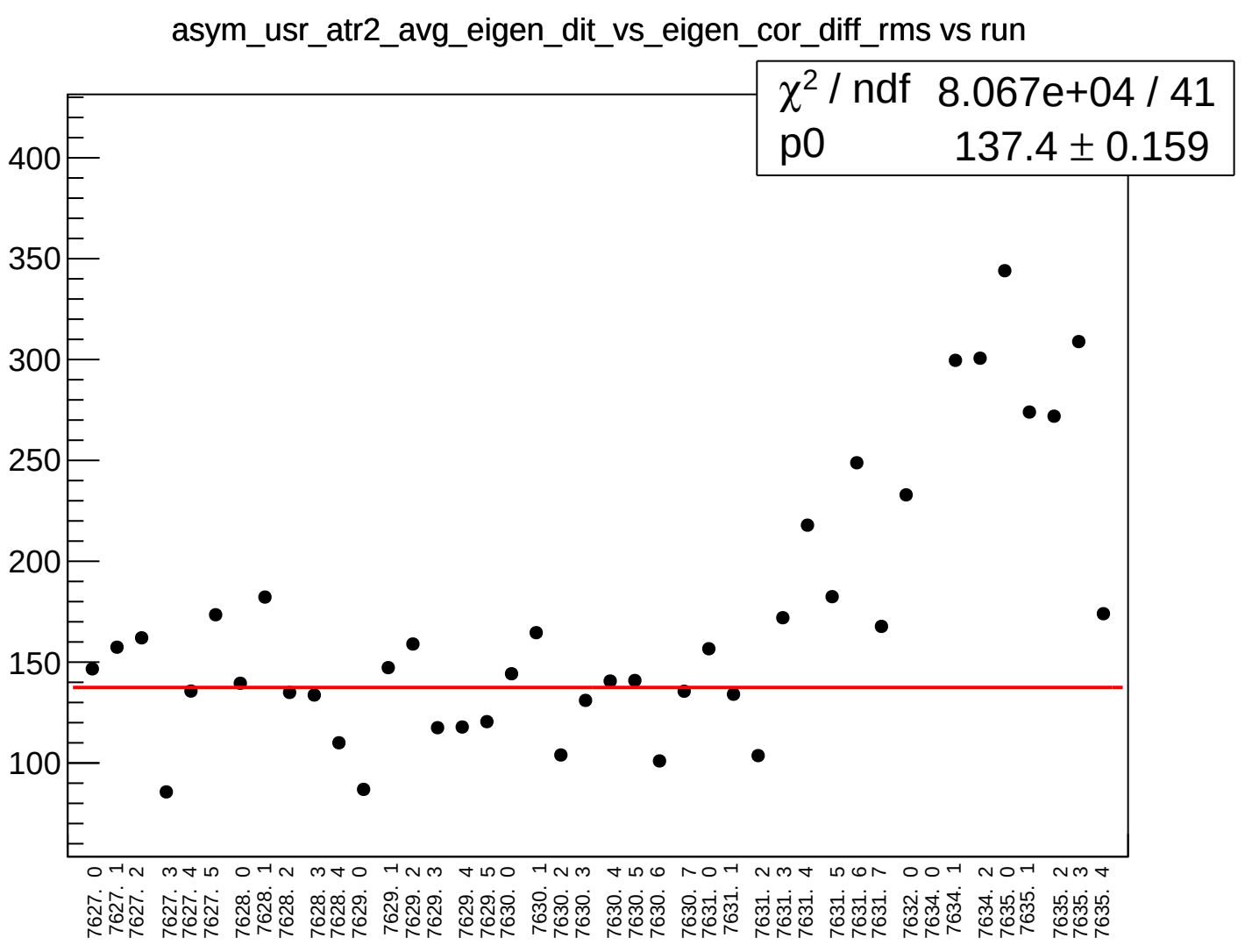

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 45.93 / 41
p0 −8.016e−05 ± 3.832e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03785
Std Dev 1.045
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

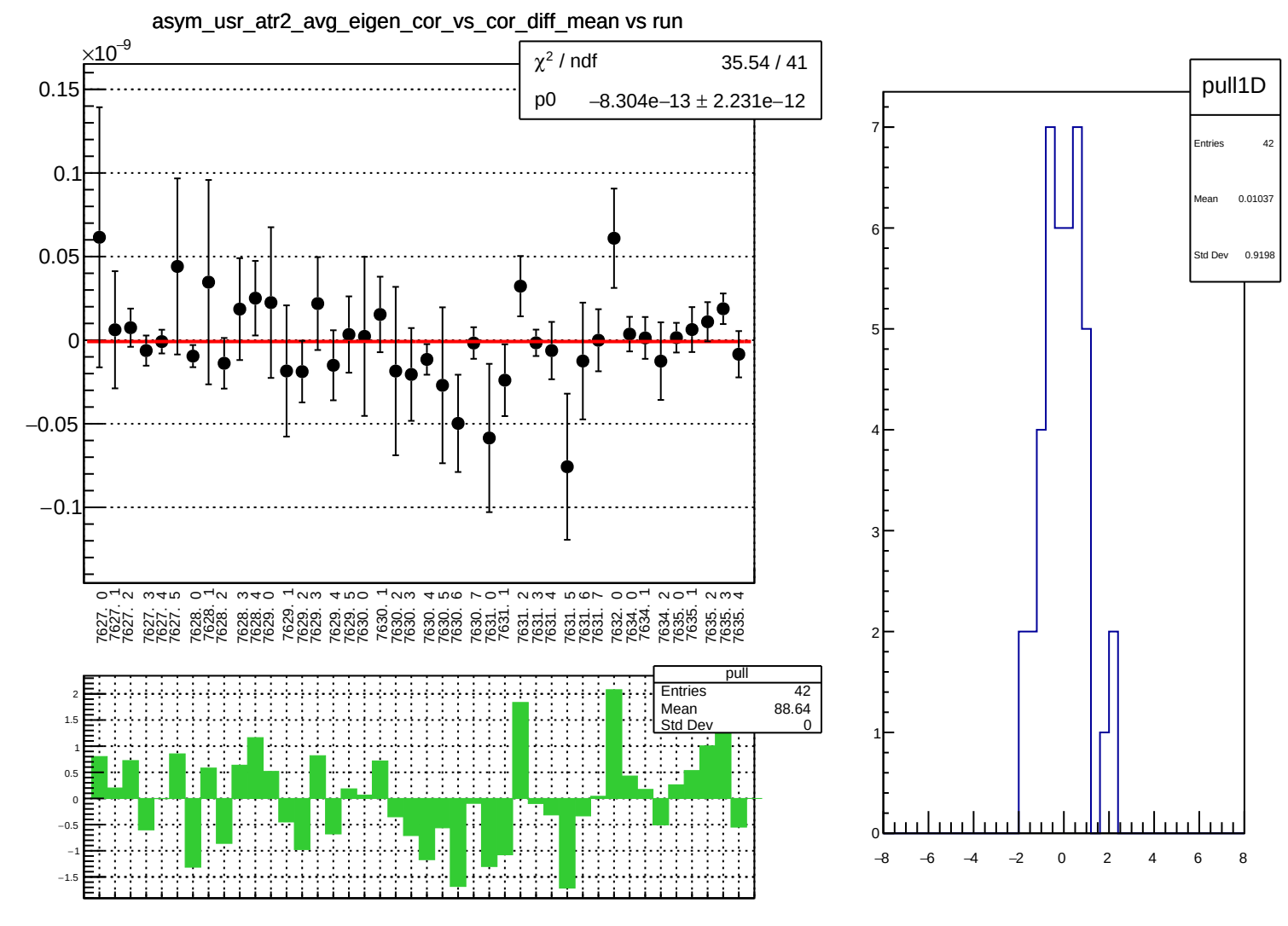

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.341e+04 / 41
p0 0.0243 ± 2.71e−05
0.035
0.03
0.025
0.02
0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

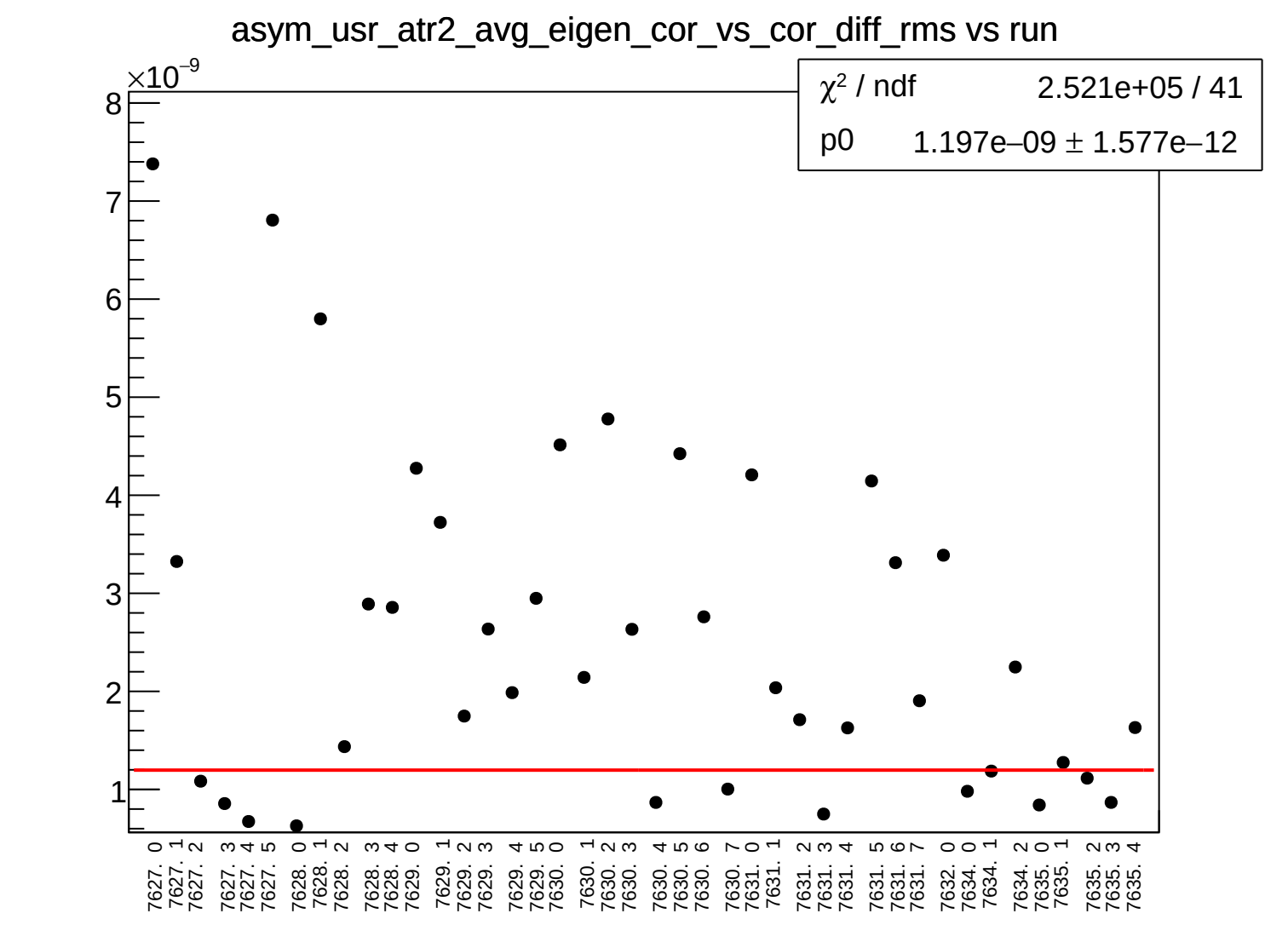

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.29 / 41
p0 0.4362 ± 0.2249
pull
Entries 42
Mean 44.73
Std Dev 0
pull1D
Entries 42
Mean 0.09135
Std Dev 1.112

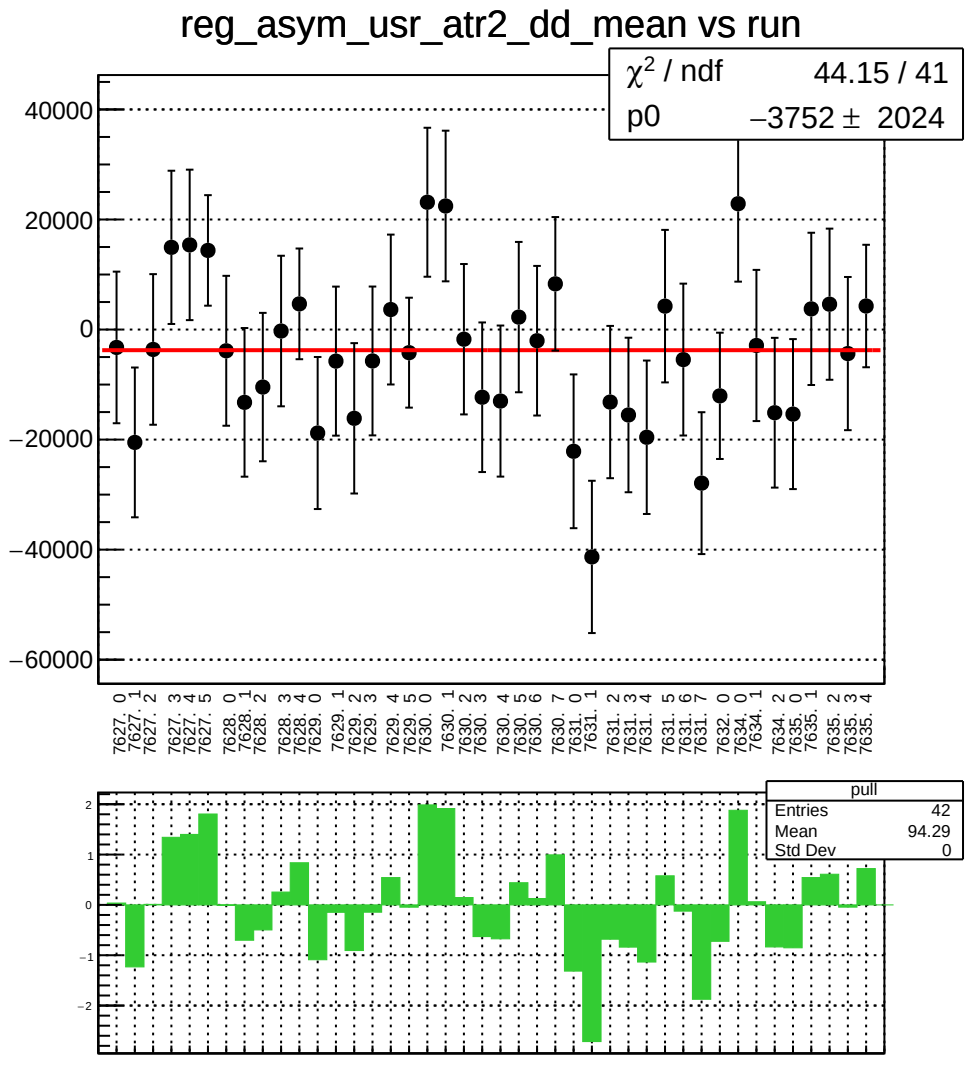

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.067e+04 / 41
p0 137.4 ± 0.159
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

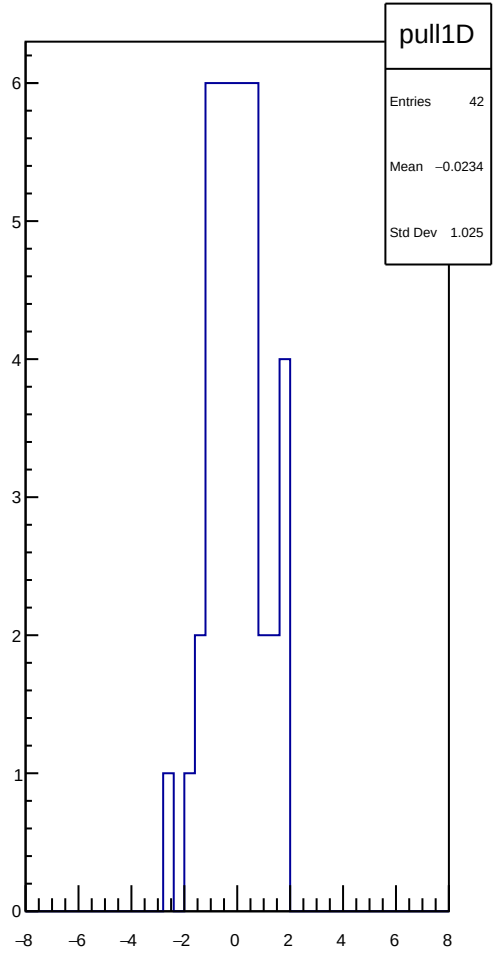

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.29 / 41
p0 0.4362 ± 0.2249
pull
Entries 42
Mean 44.73
Std Dev 0
pull1D
Entries 42
Mean 0.09135
Std Dev 1.112

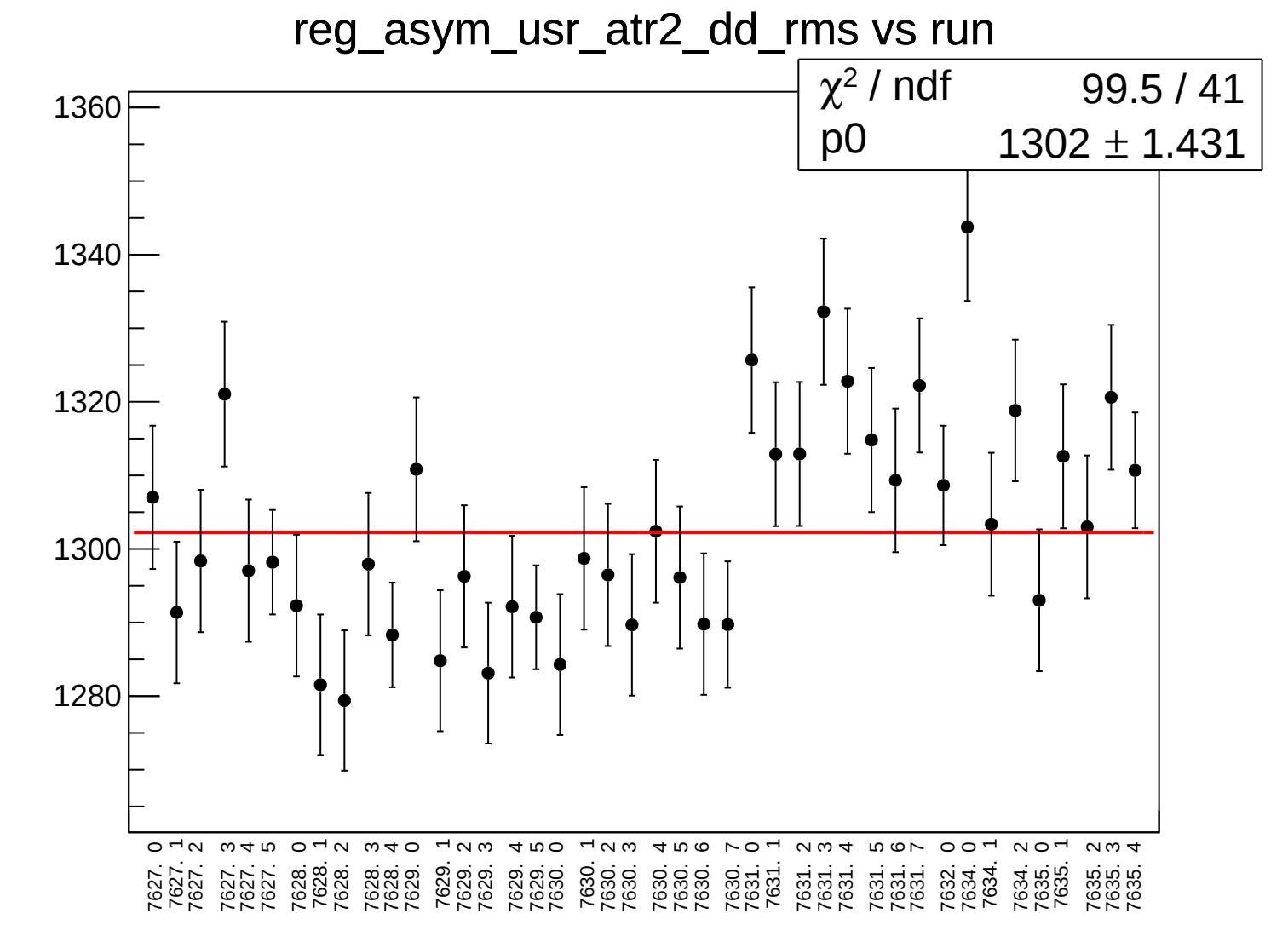

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.067e+04 / 41
p0 137.4 ± 0.159
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

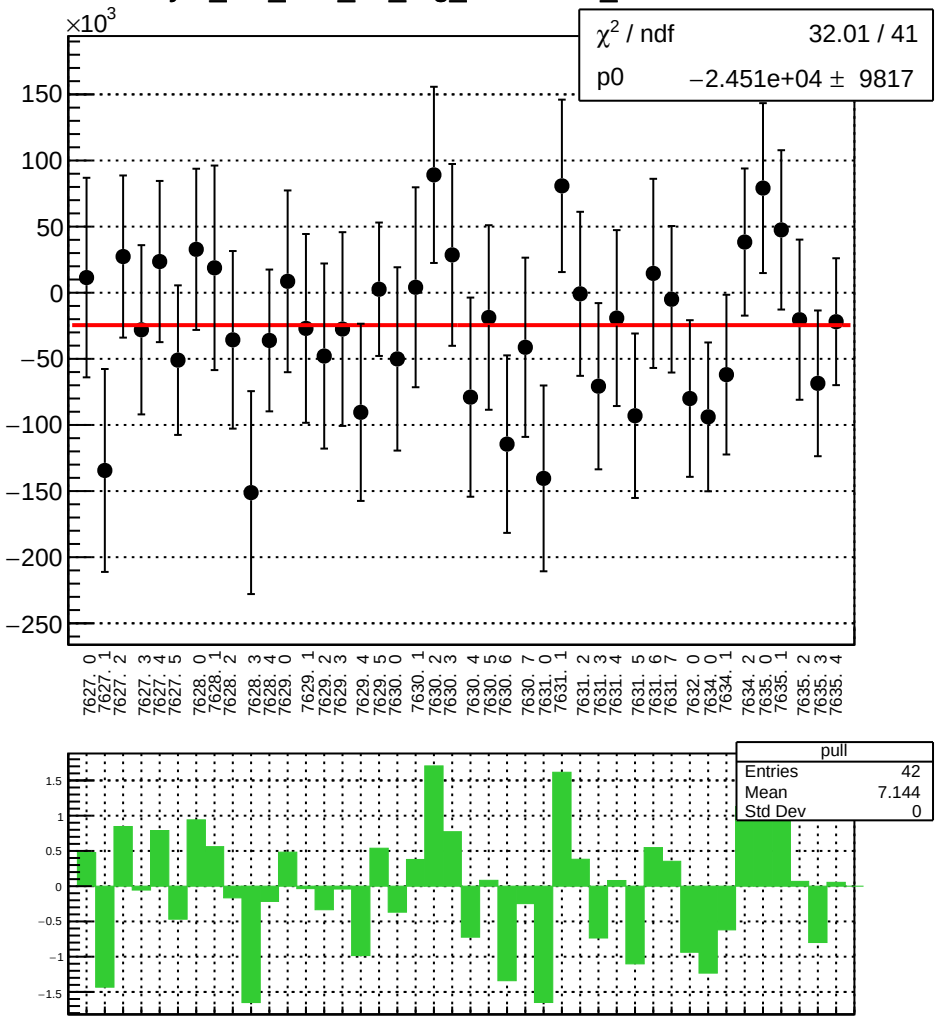

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 35.54 / 41
p0 −8.304e−13 ± 2.231e−12
0.15
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 88.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.01037
Std Dev 0.9198
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

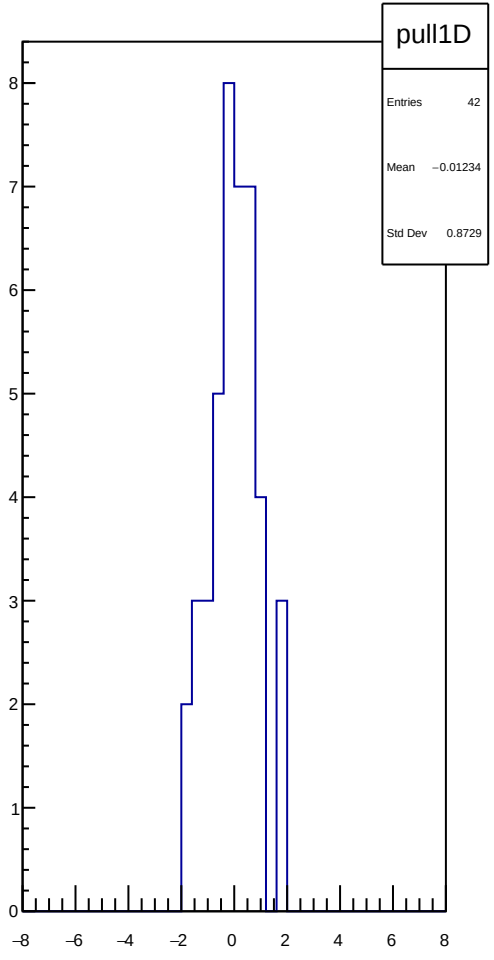

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.521e+05 / 41
p0 1.197e−09 ± 1.577e−12
8
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

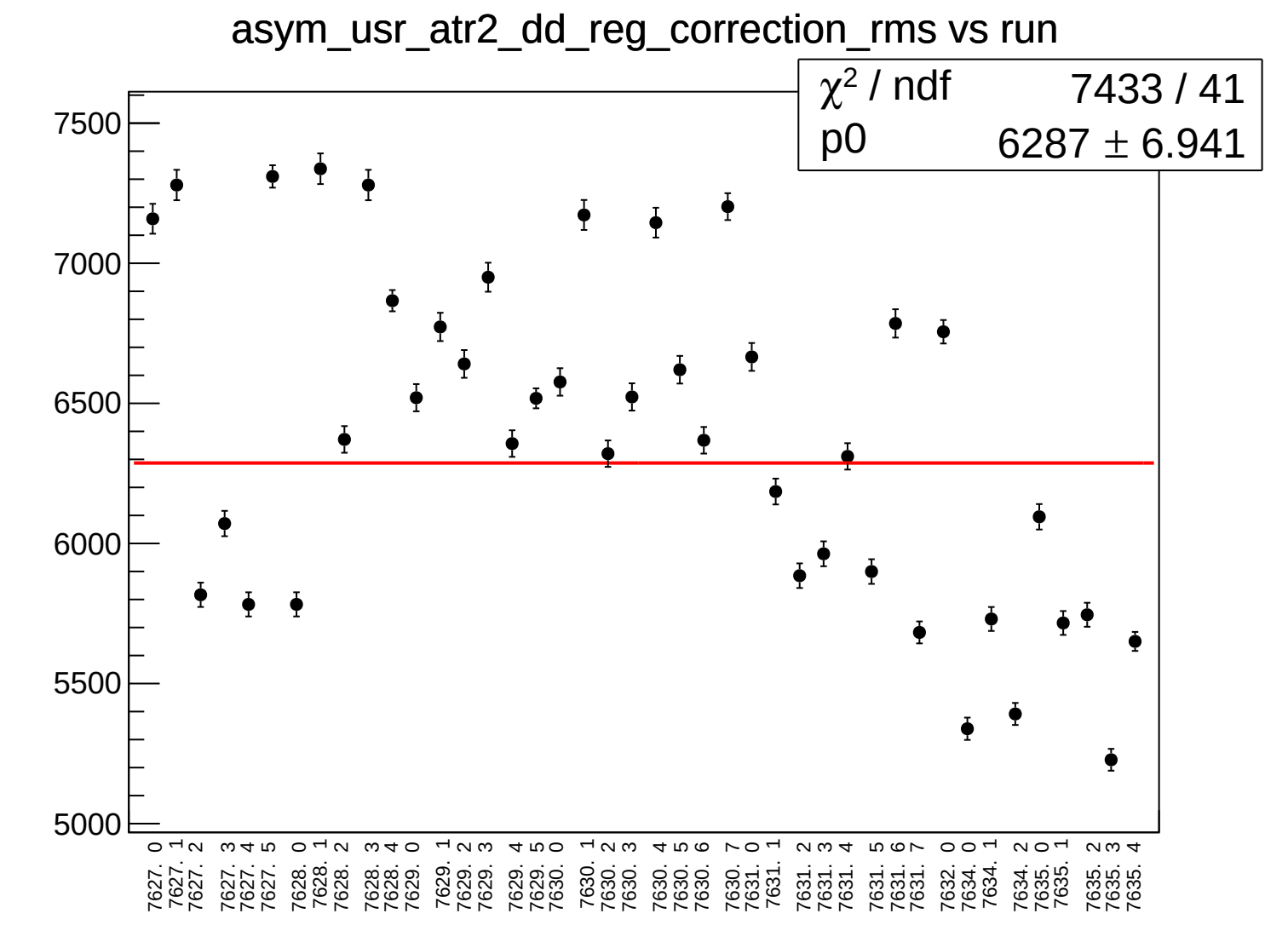

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.15 / 41
p0 −3752 ± 2024
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 94.29
Std Dev 0
2
1
0
−1
−2

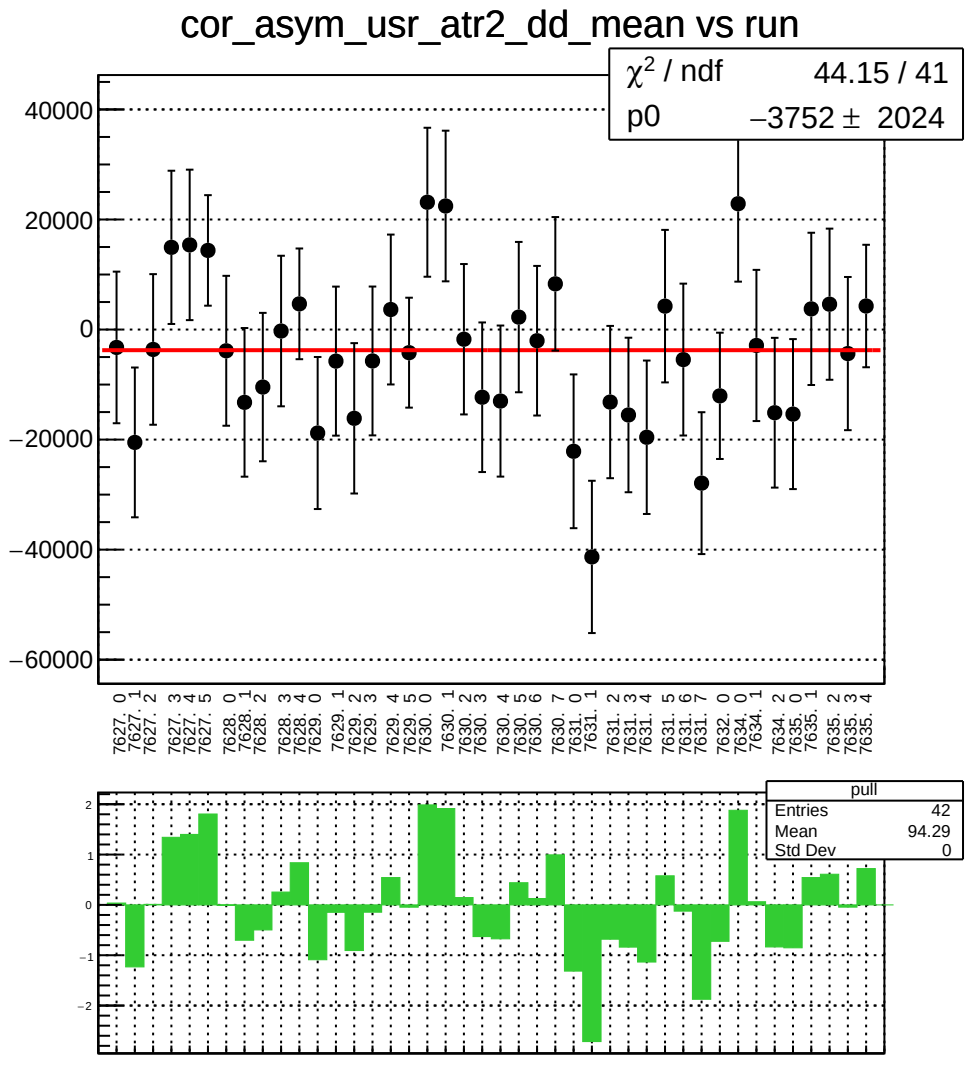

pull1D
Entries 42
Mean −0.0234
Std Dev 1.025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

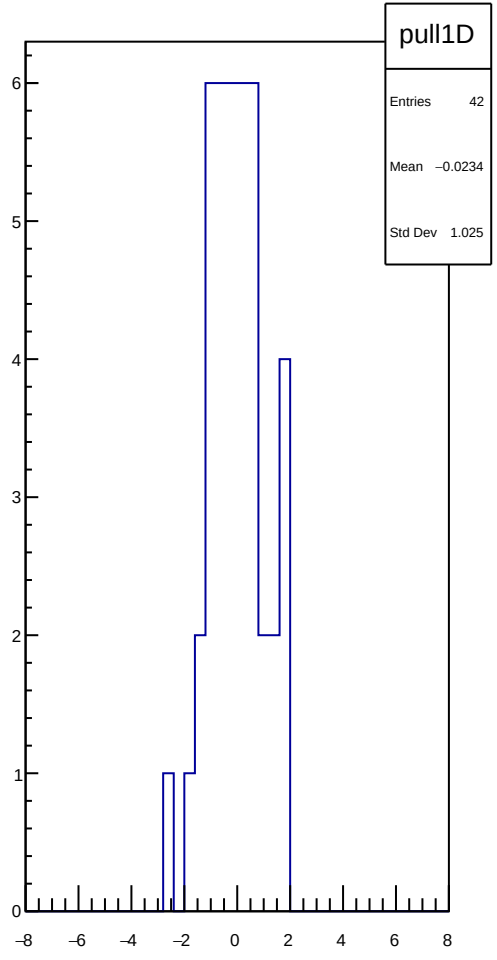

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 99.5 / 41
p0 1302 ± 1.431
1360
1340
1320
1300
1280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

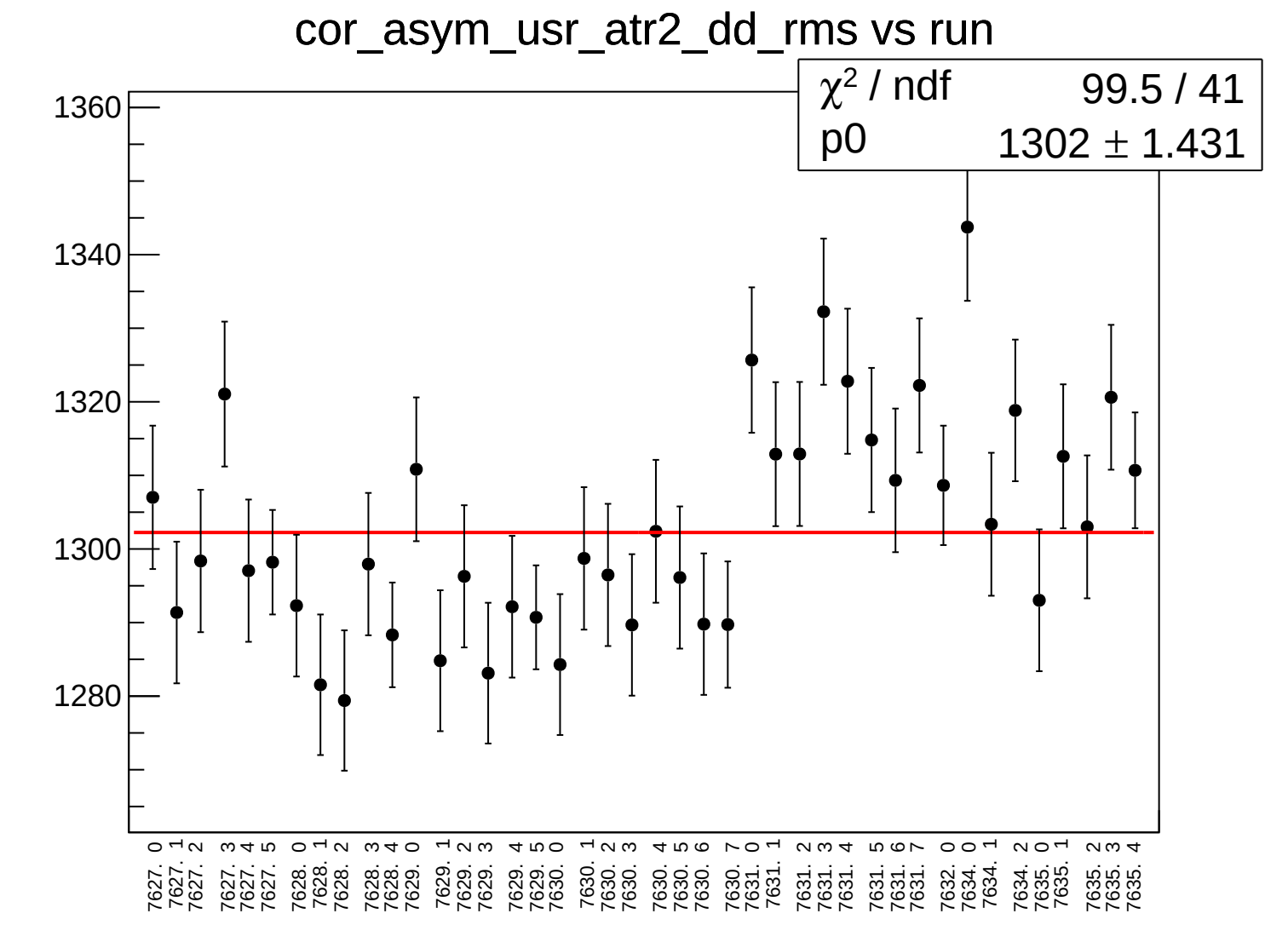

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 32.01 / 41
p0 −2.451e+04 ± 9817
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.144
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

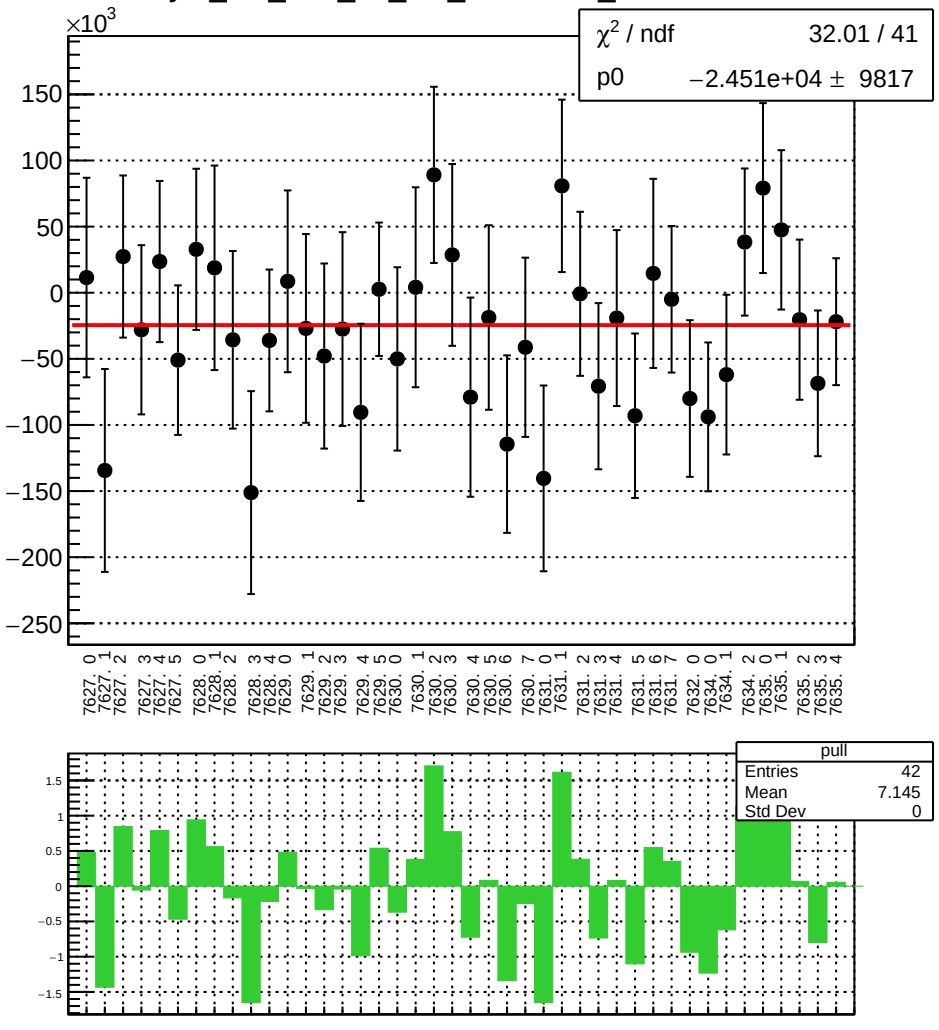

pull1D
Entries 42
Mean −0.01234
Std Dev 0.8729
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

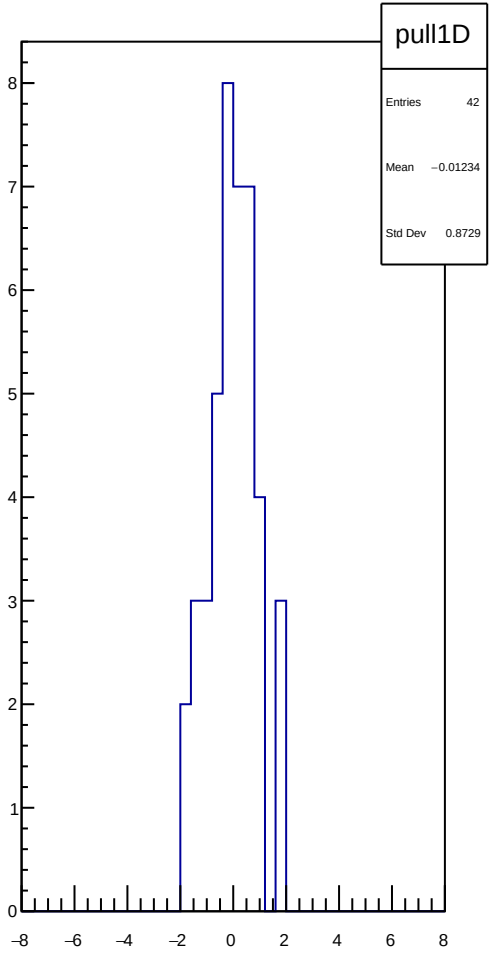

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 7433 / 41
p0 6287 ± 6.941
7500
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.15 / 41
p0 −3752 ± 2024
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 94.29
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean −0.0234
Std Dev 1.025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 99.5 / 41
p0 1302 ± 1.431
1360
1340
1320
1300
1280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 32.01 / 41
p0 −2.451e+04 ± 9817
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.145
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01234
Std Dev 0.8729
8
7
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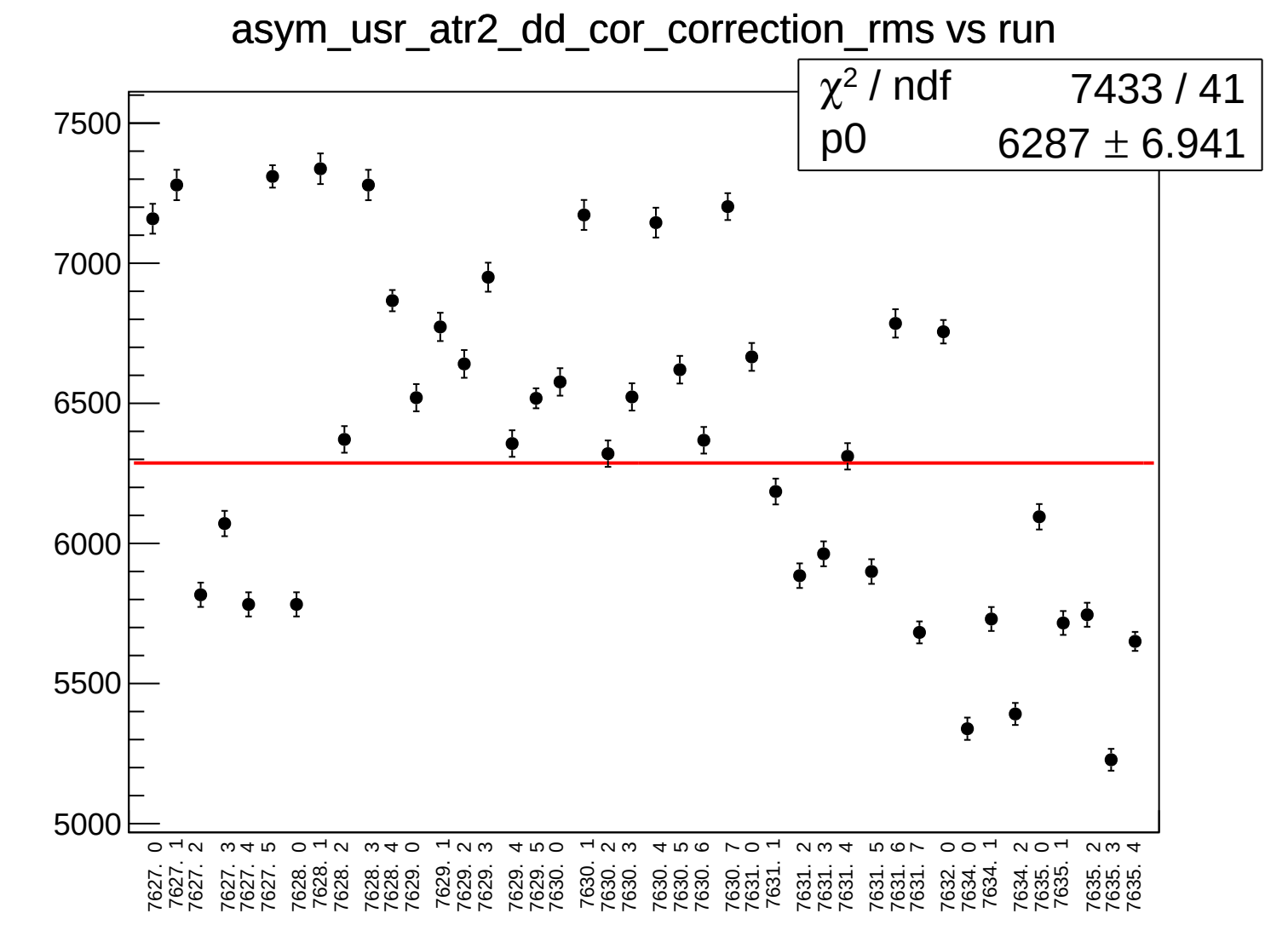
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 7433 / 41
p0 6287 ± 6.941
7500
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
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7629. 5
7630. 0
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7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
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7631. 6
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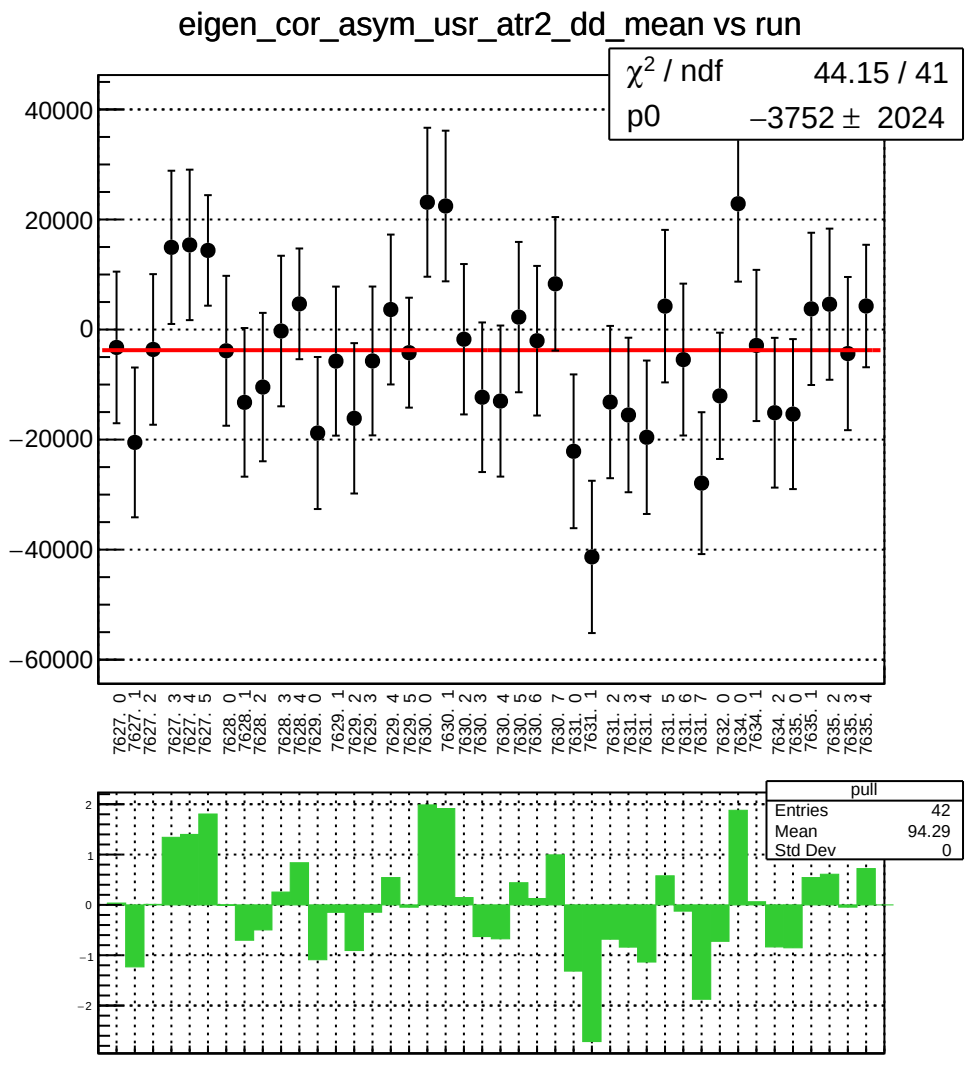
7635. 3
7635. 4


eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 44.15 / 41
p0 −3752 ± 2024
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 0
7630. 1
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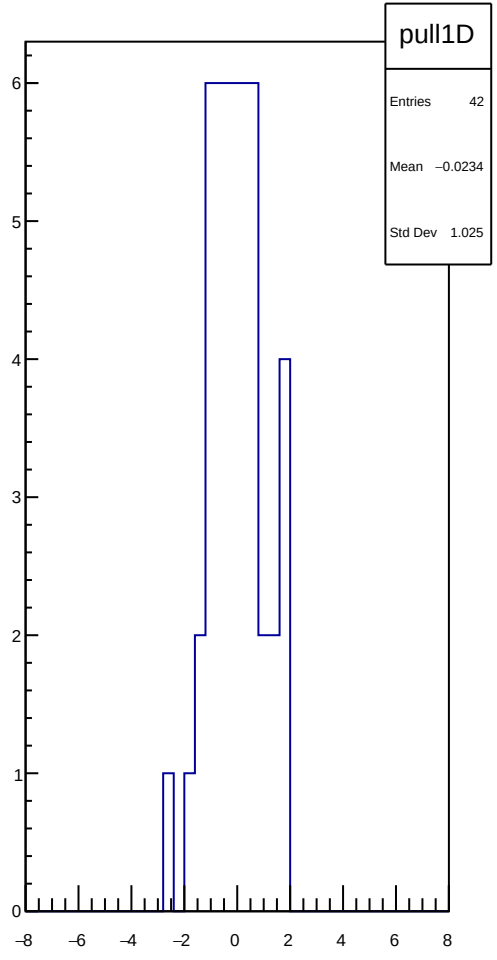
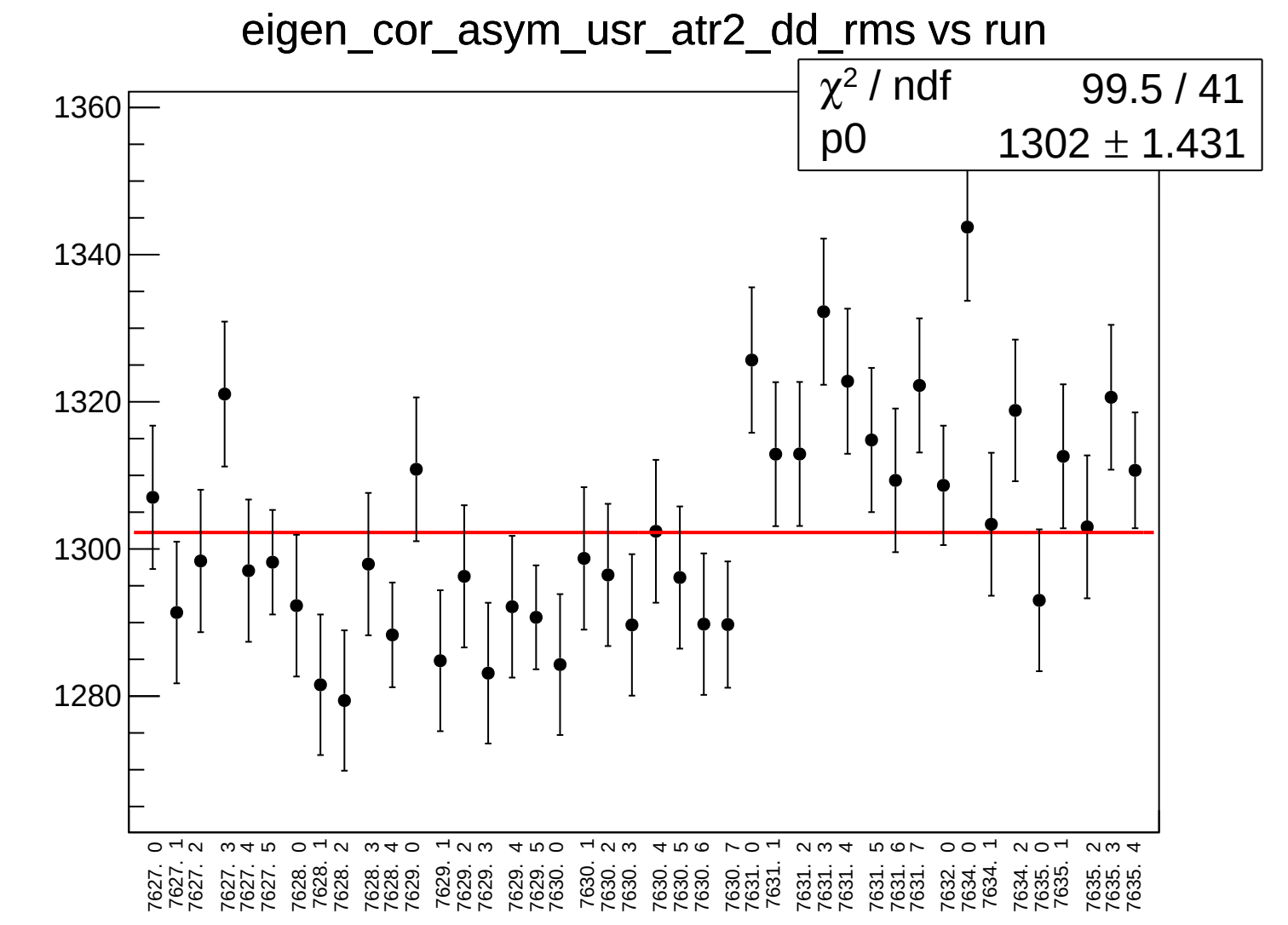
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 94.29
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean −0.0234
Std Dev 1.025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 99.5 / 41
p0 1302 ± 1.431
1360
1340
1320
1300
1280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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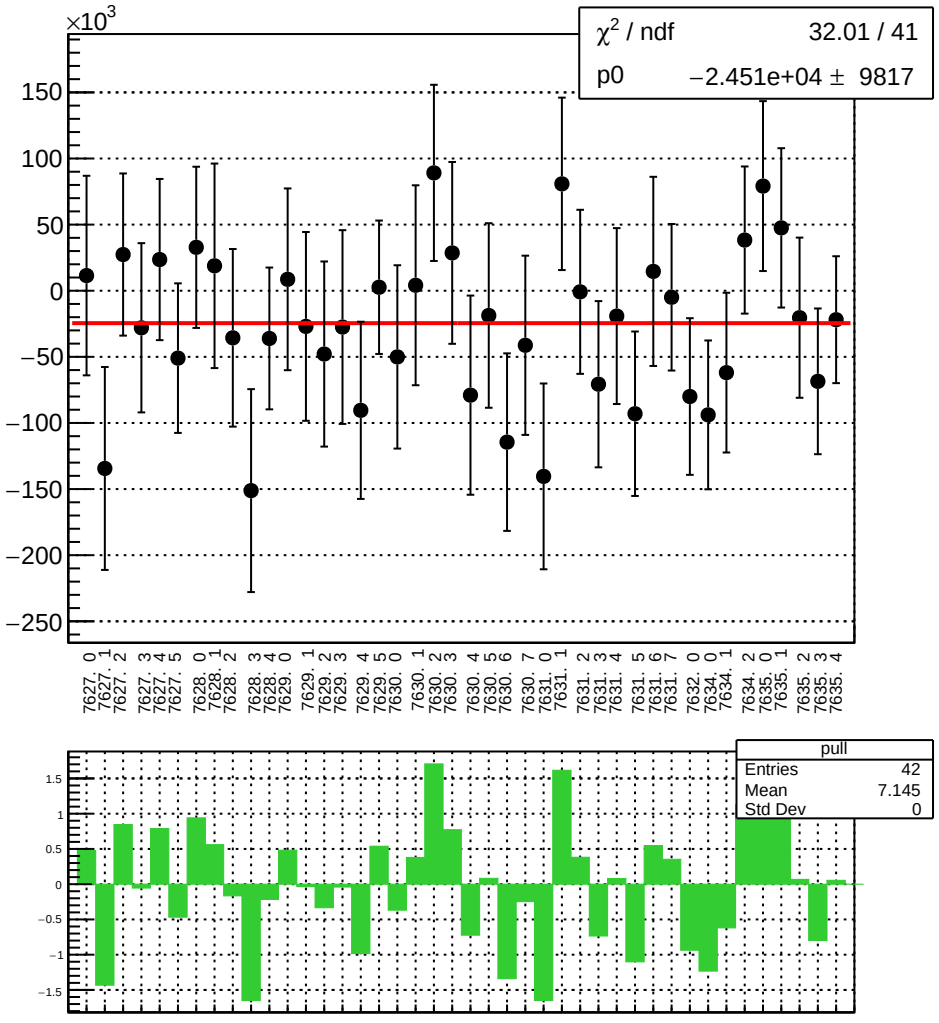
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.01 / 41
p0 −2.451e+04 ± 9817
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
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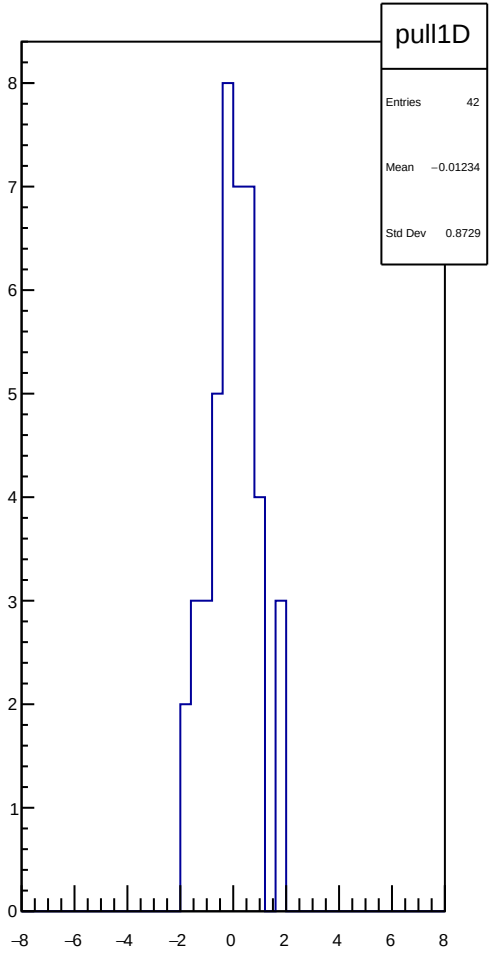
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.145
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01234
Std Dev 0.8729
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7
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5
4
3
2
1
0
−8
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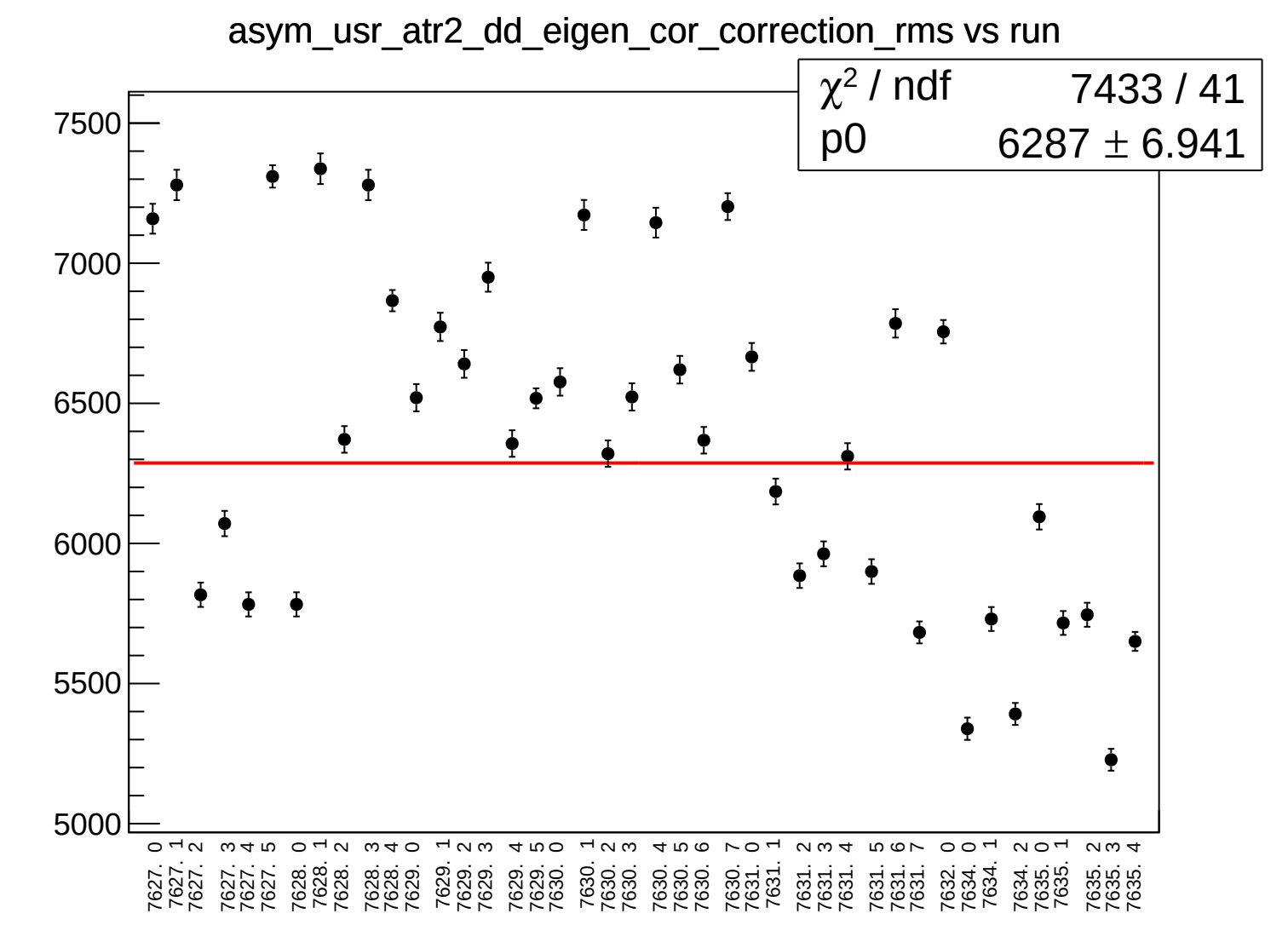
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7433 / 41
p0 6287 ± 6.941
7500
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
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7629. 0
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
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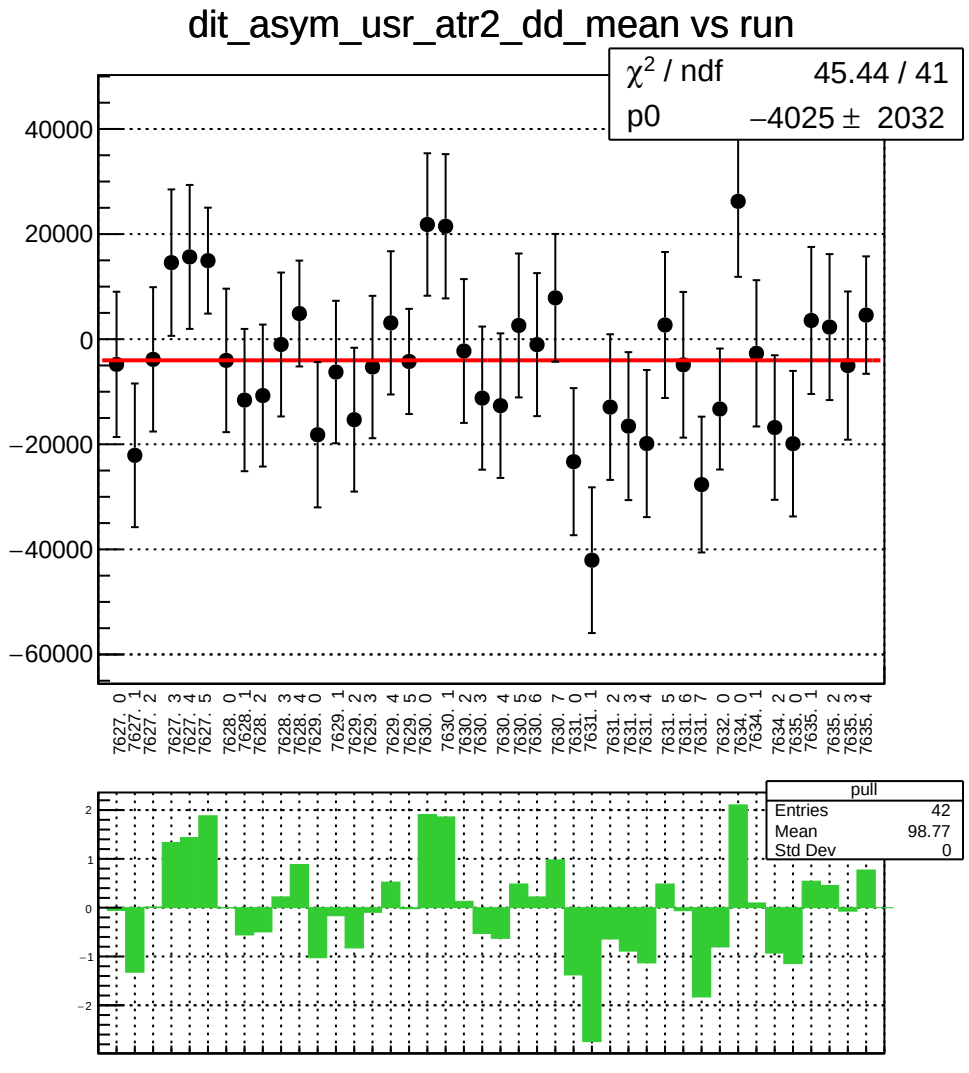
7635. 3
7635. 4


dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.44 / 41
p0 −4025 ± 2032
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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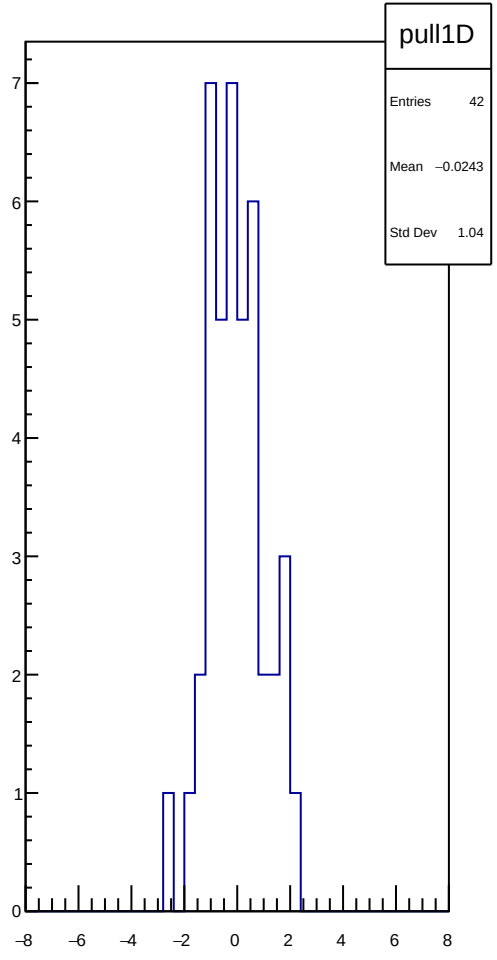
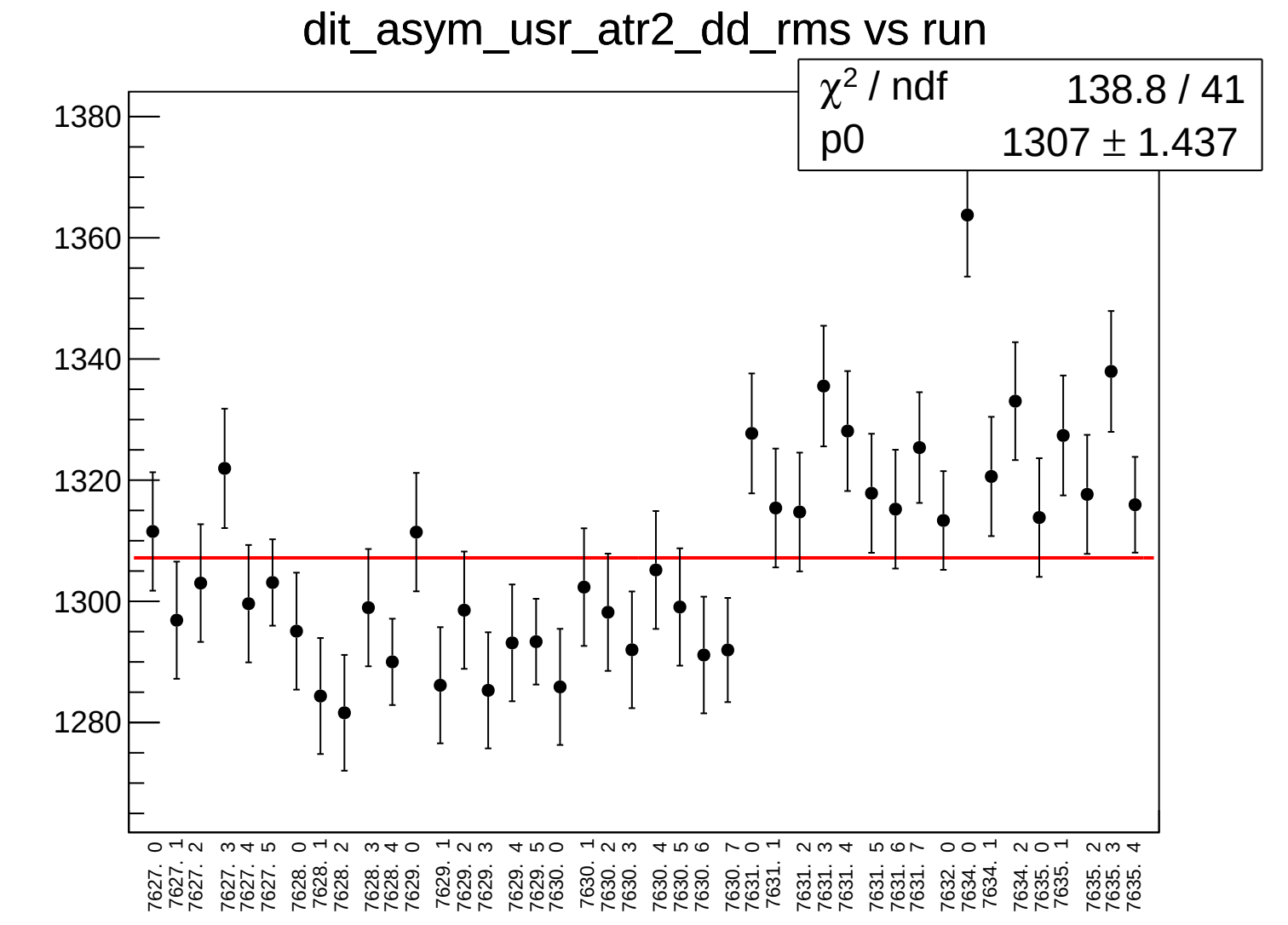
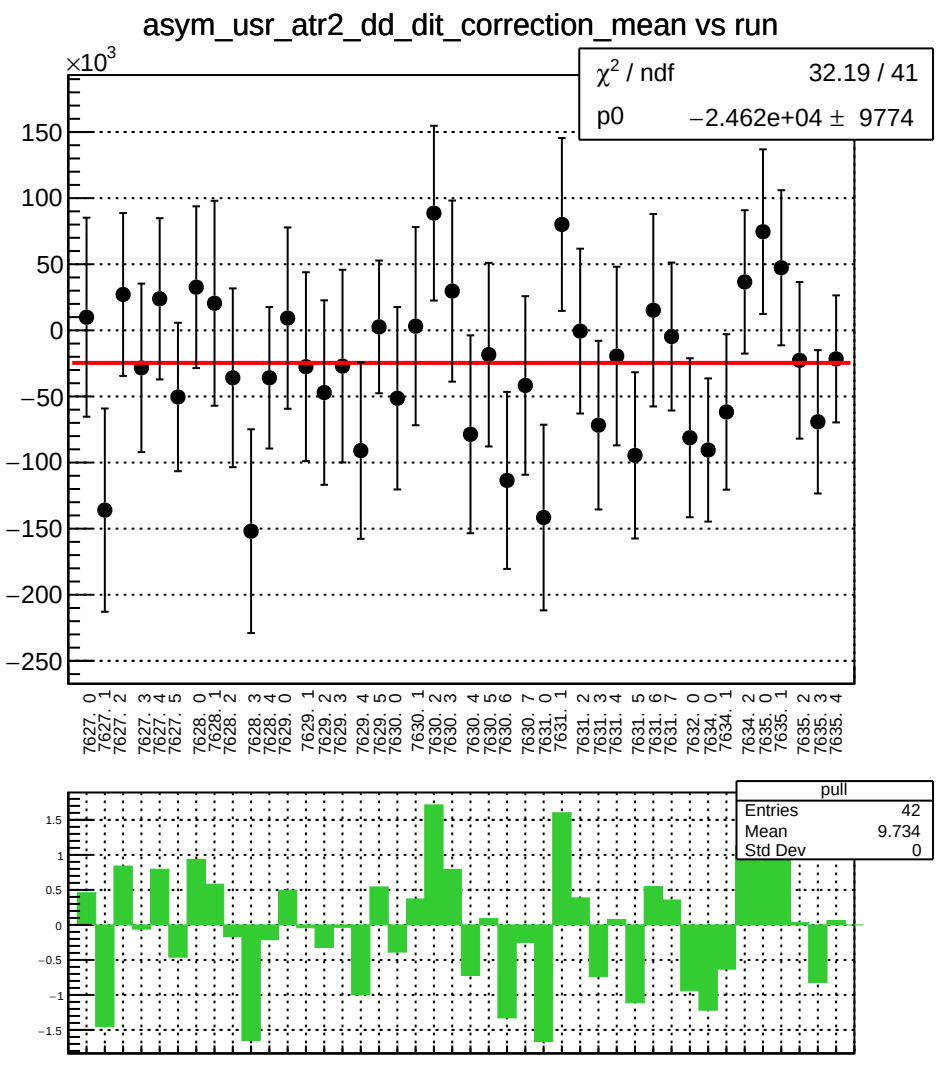
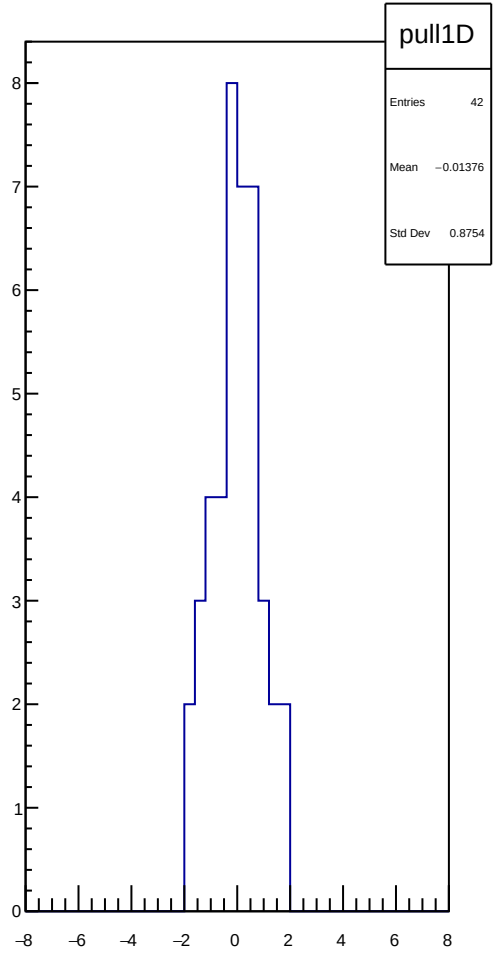
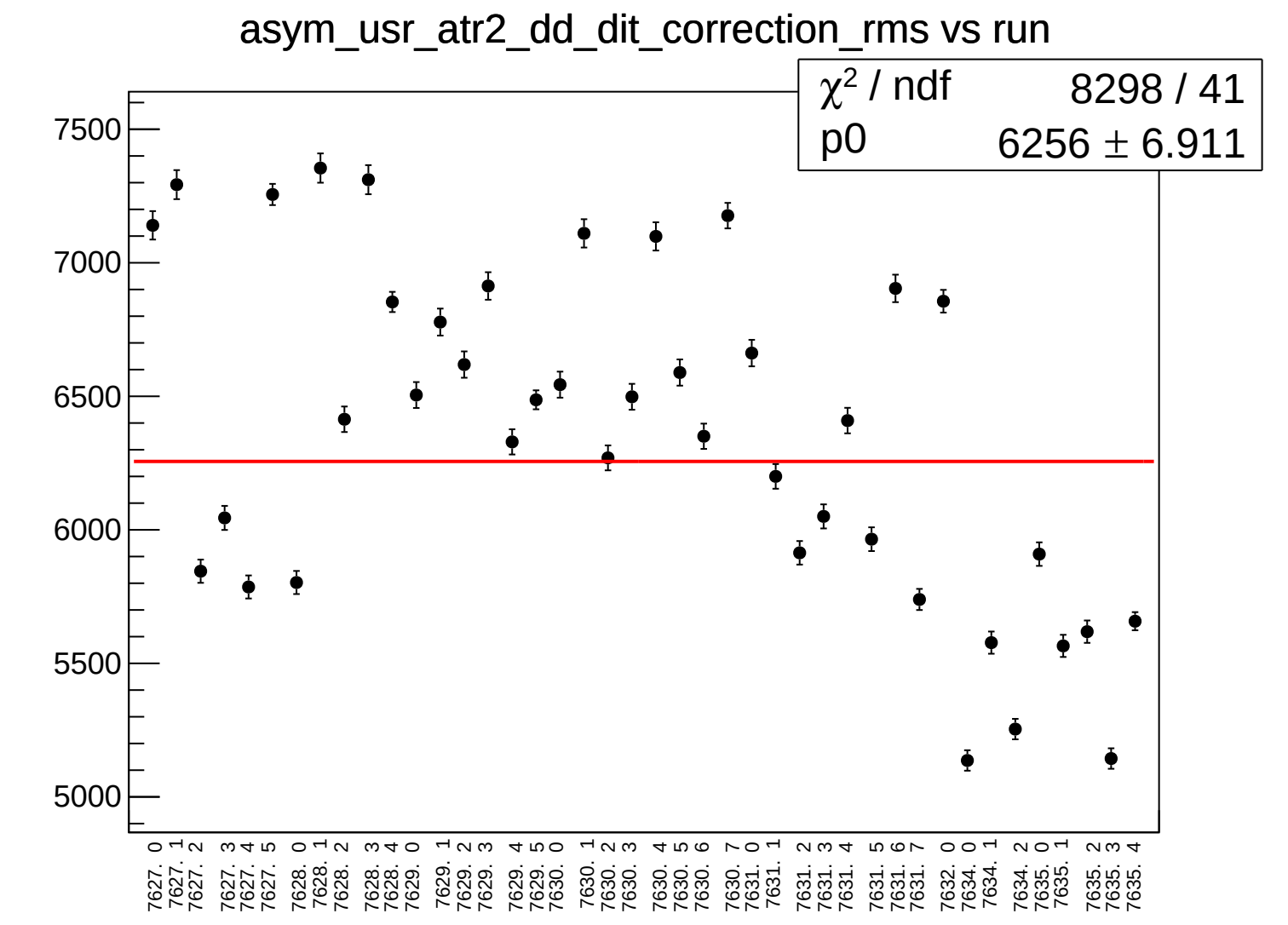
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 98.77
Std Dev 0
2
1
0
−1
−2

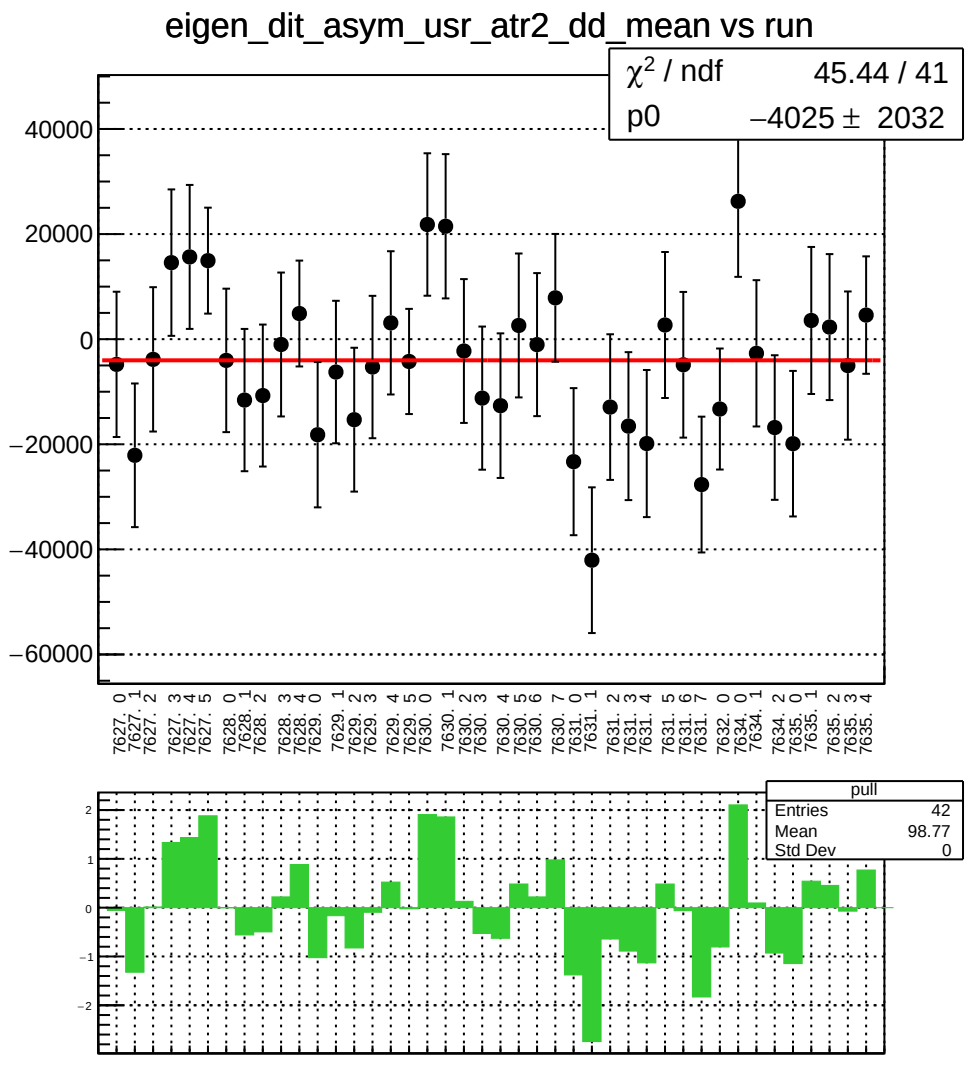

pull1D
Entries 42
Mean −0.0243
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

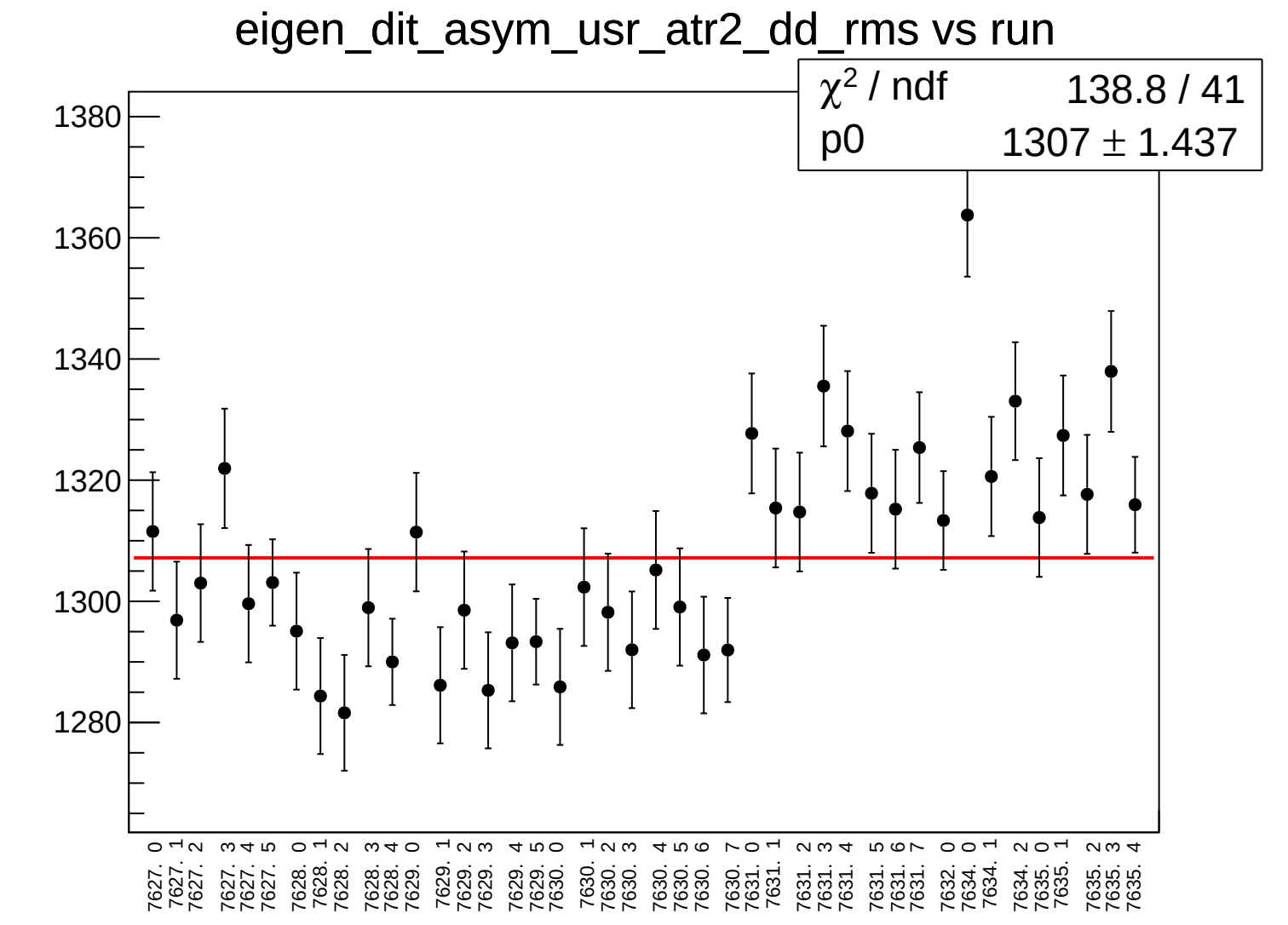

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 138.8 / 41
p0 1307 ± 1.437
1380
1360
1340
1320
1300
1280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

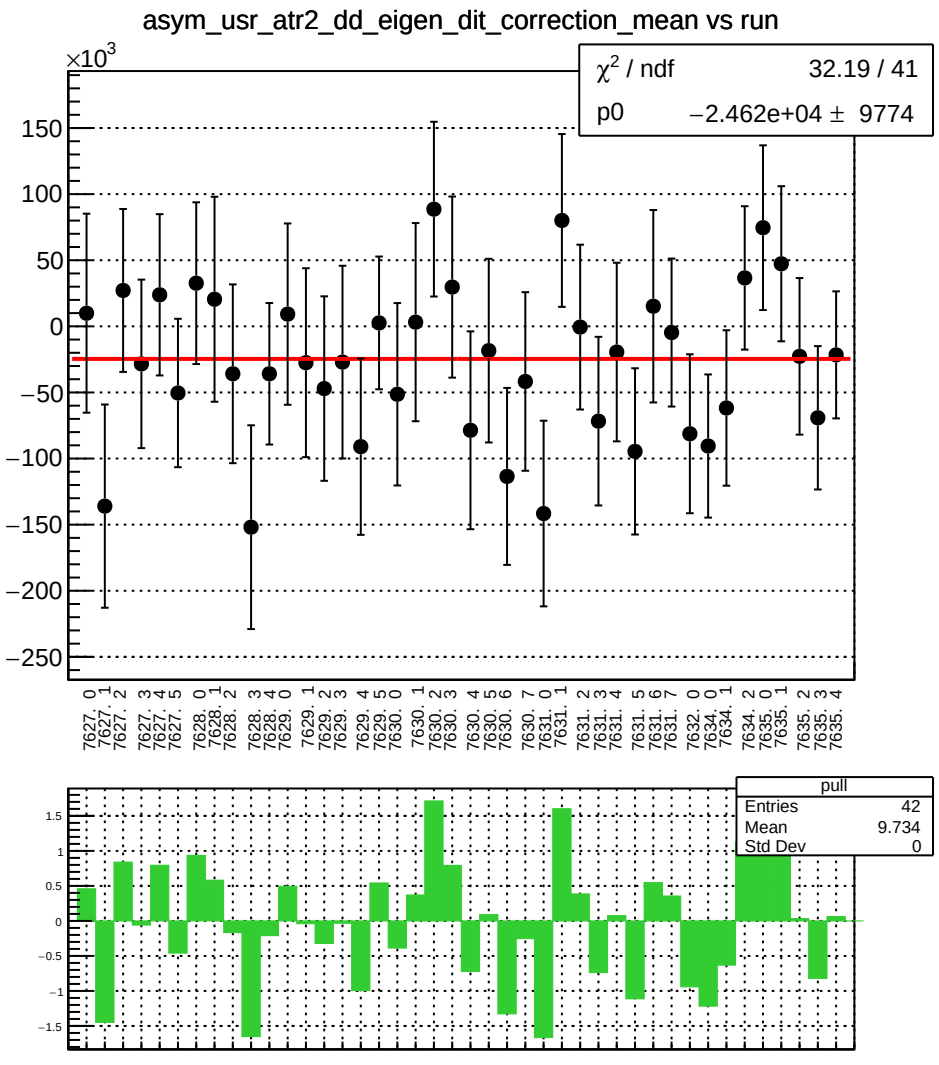

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 32.19 / 41
p0 −2.462e+04 ± 9774
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.734
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

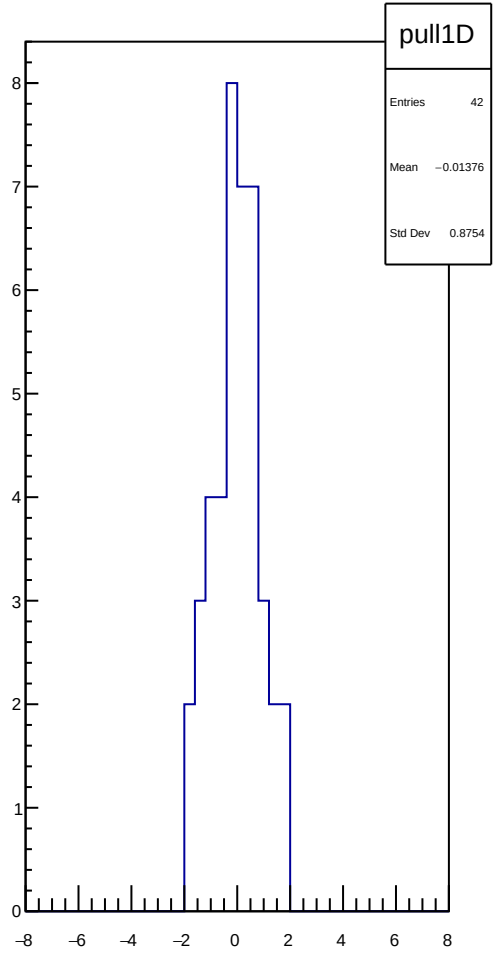

pull1D
Entries 42
Mean −0.01376
Std Dev 0.8754
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

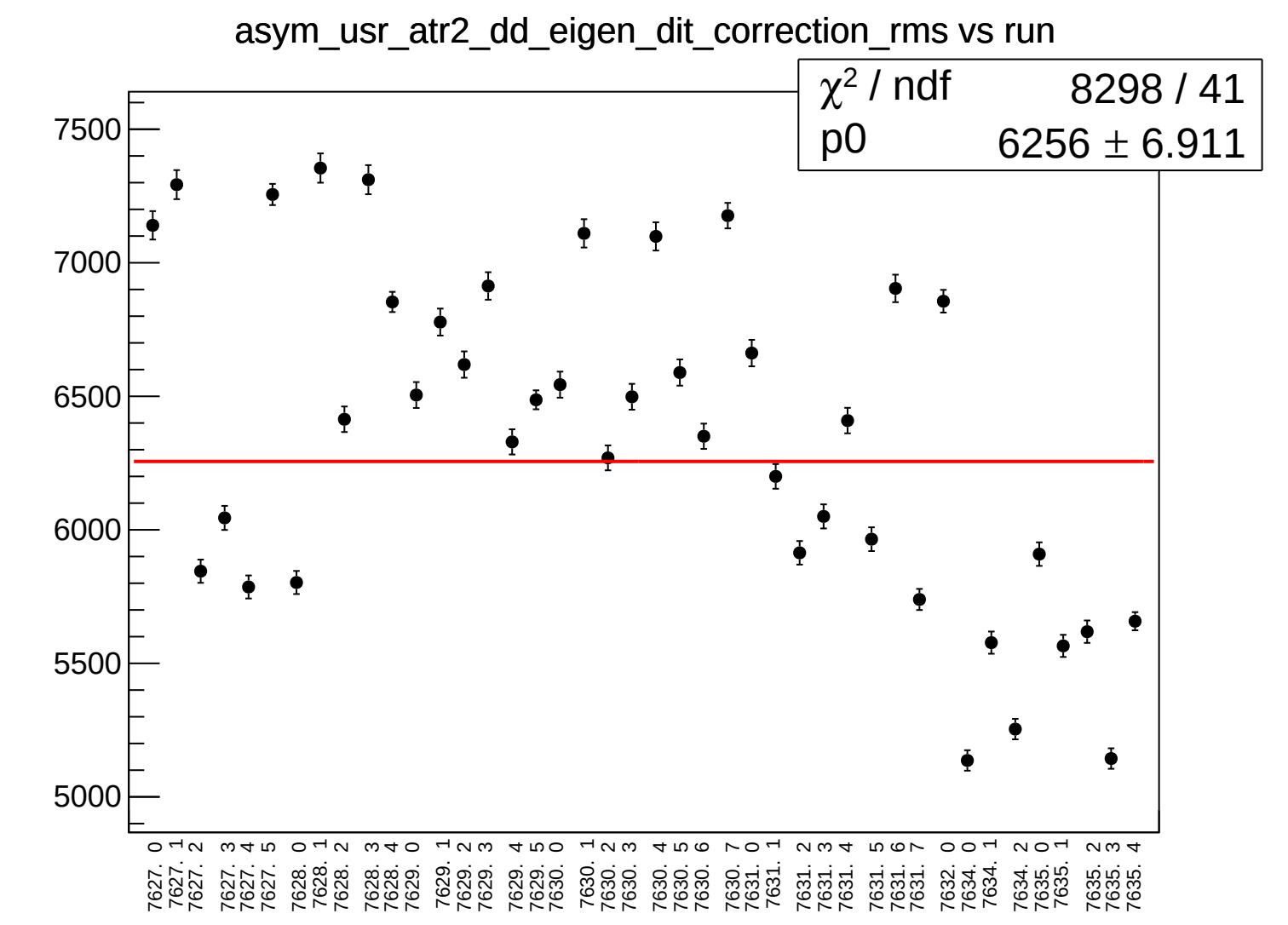

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 8298 / 41
p0 6256 ± 6.911
7500
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 45.44 / 41
p0 −4025 ± 2032
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 98.77
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.0243
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 138.8 / 41
p0 1307 ± 1.437
1380
1360
1340
1320
1300
1280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.19 / 41
p0 −2.462e+04 ± 9774
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.734
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01376
Std Dev 0.8754
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 8298 / 41
p0 6256 ± 6.911
7500
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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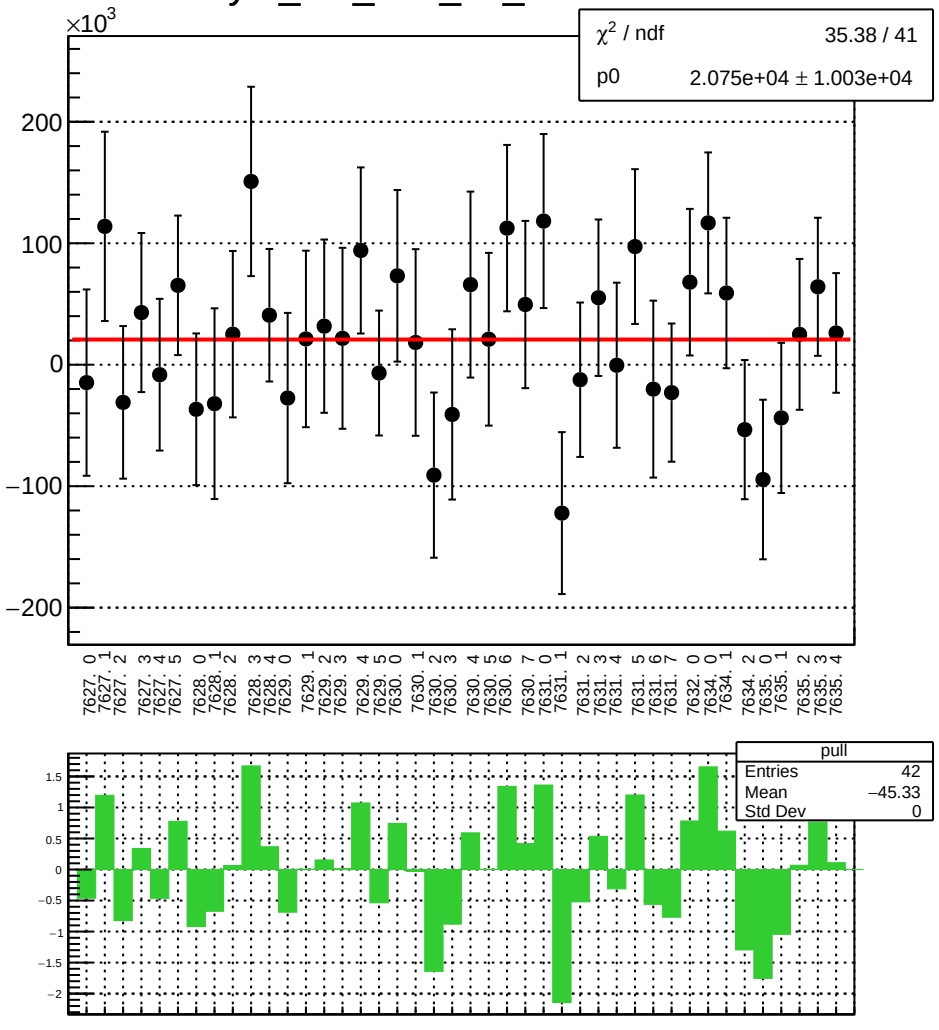
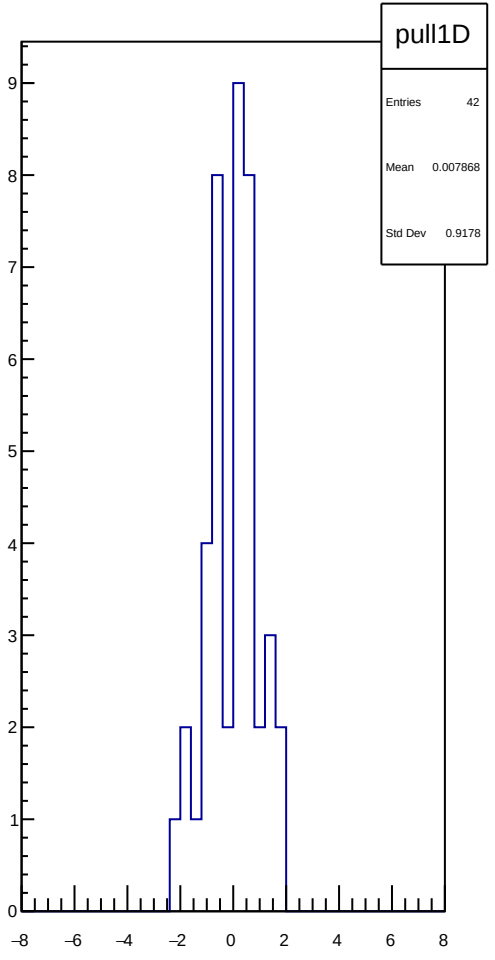
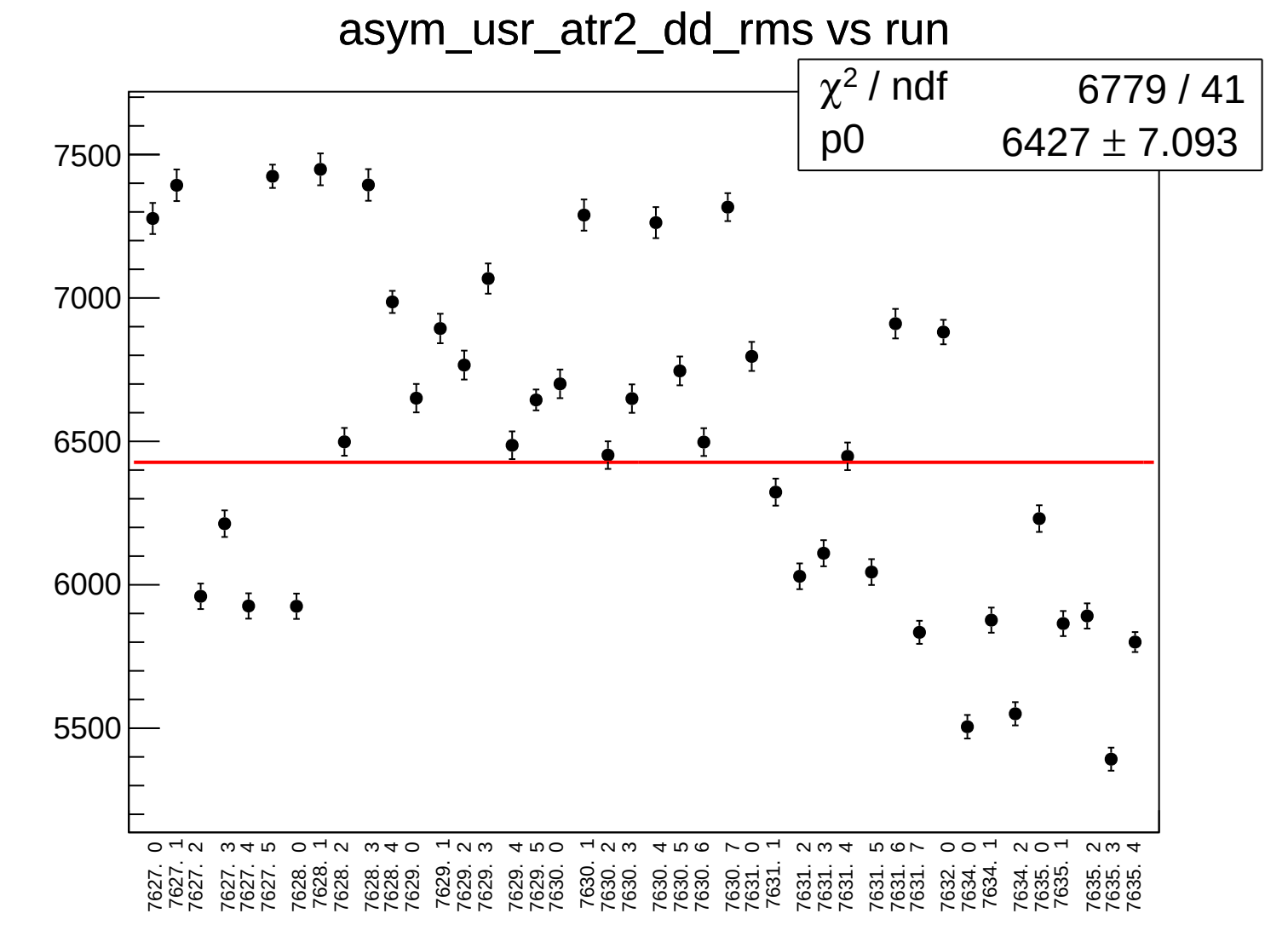
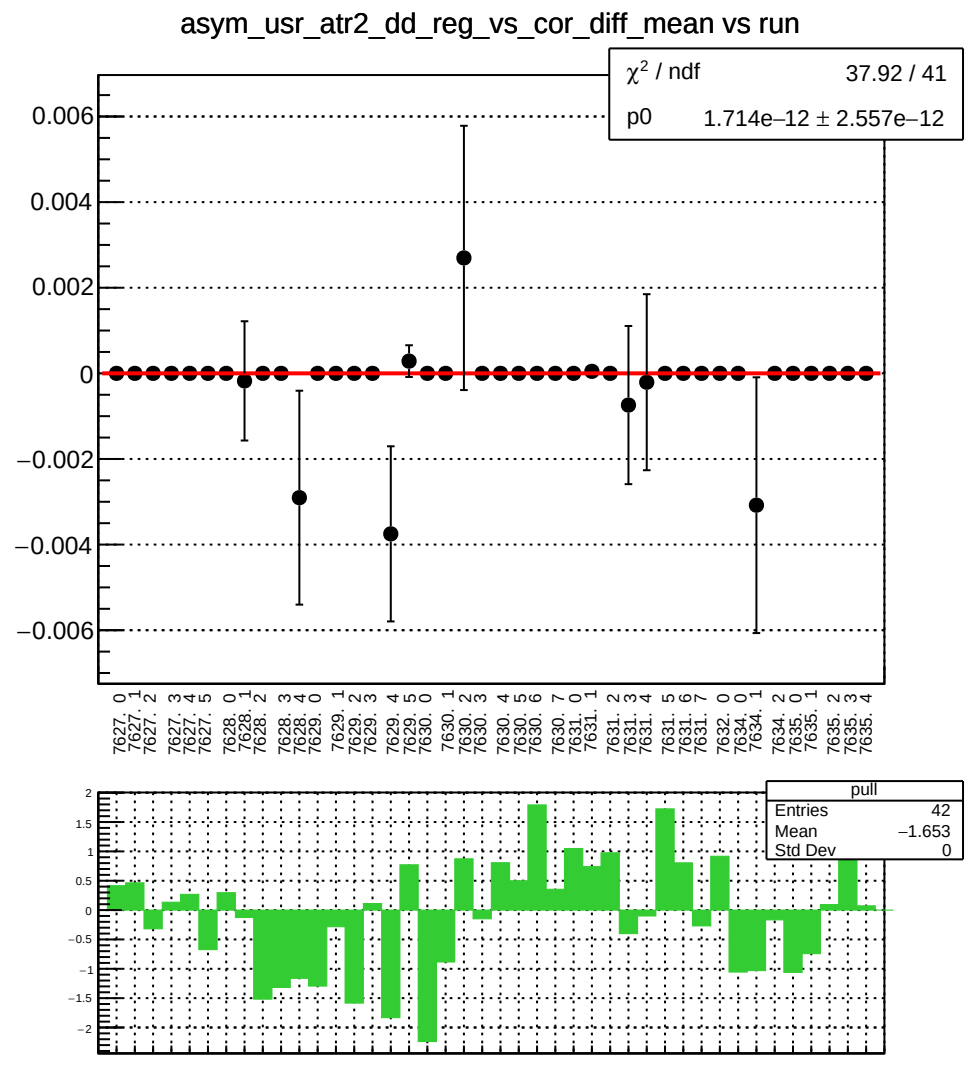
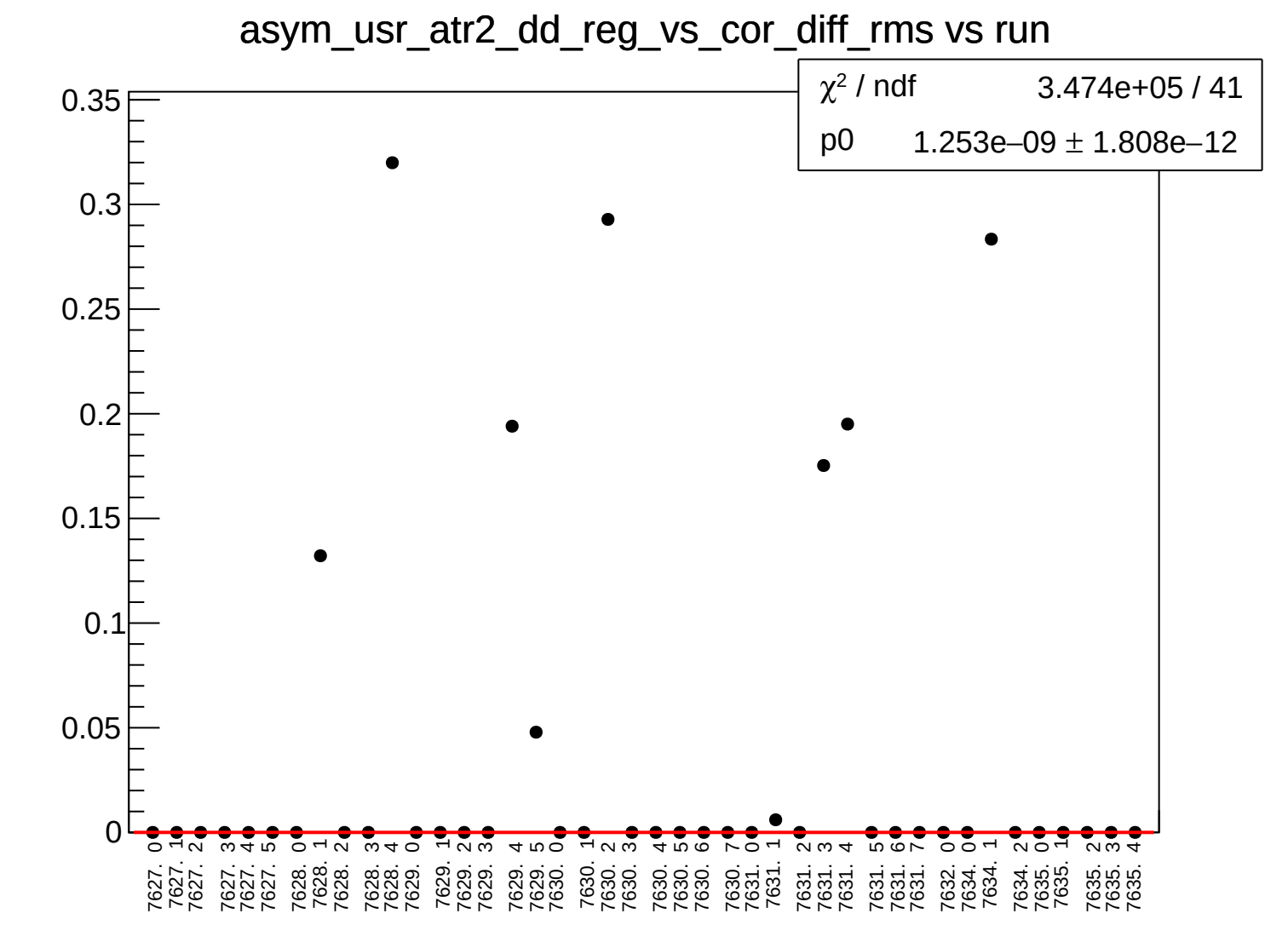
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

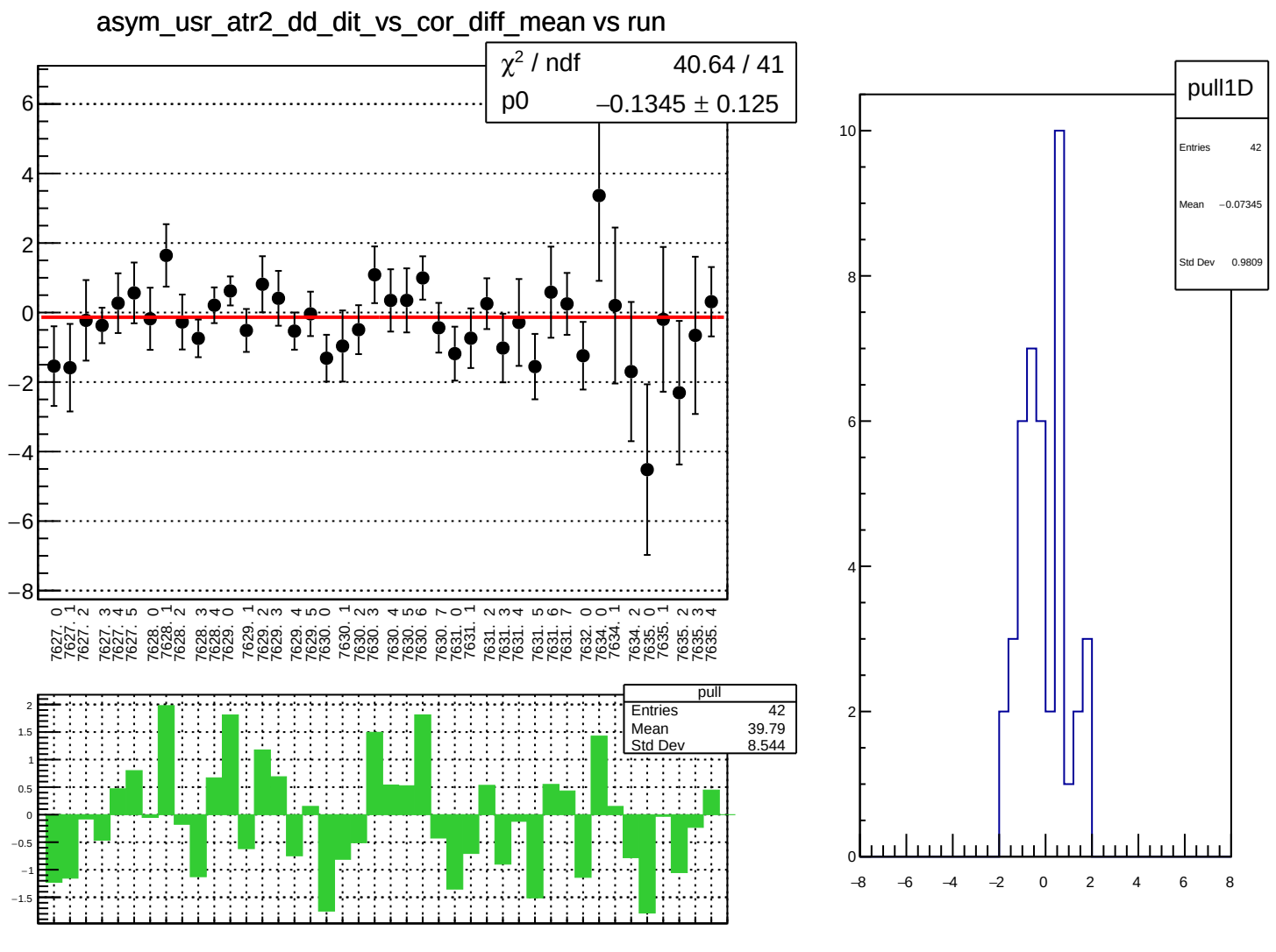

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 35.38 / 41
p0 2.075e+04 ± 1.003e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −45.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

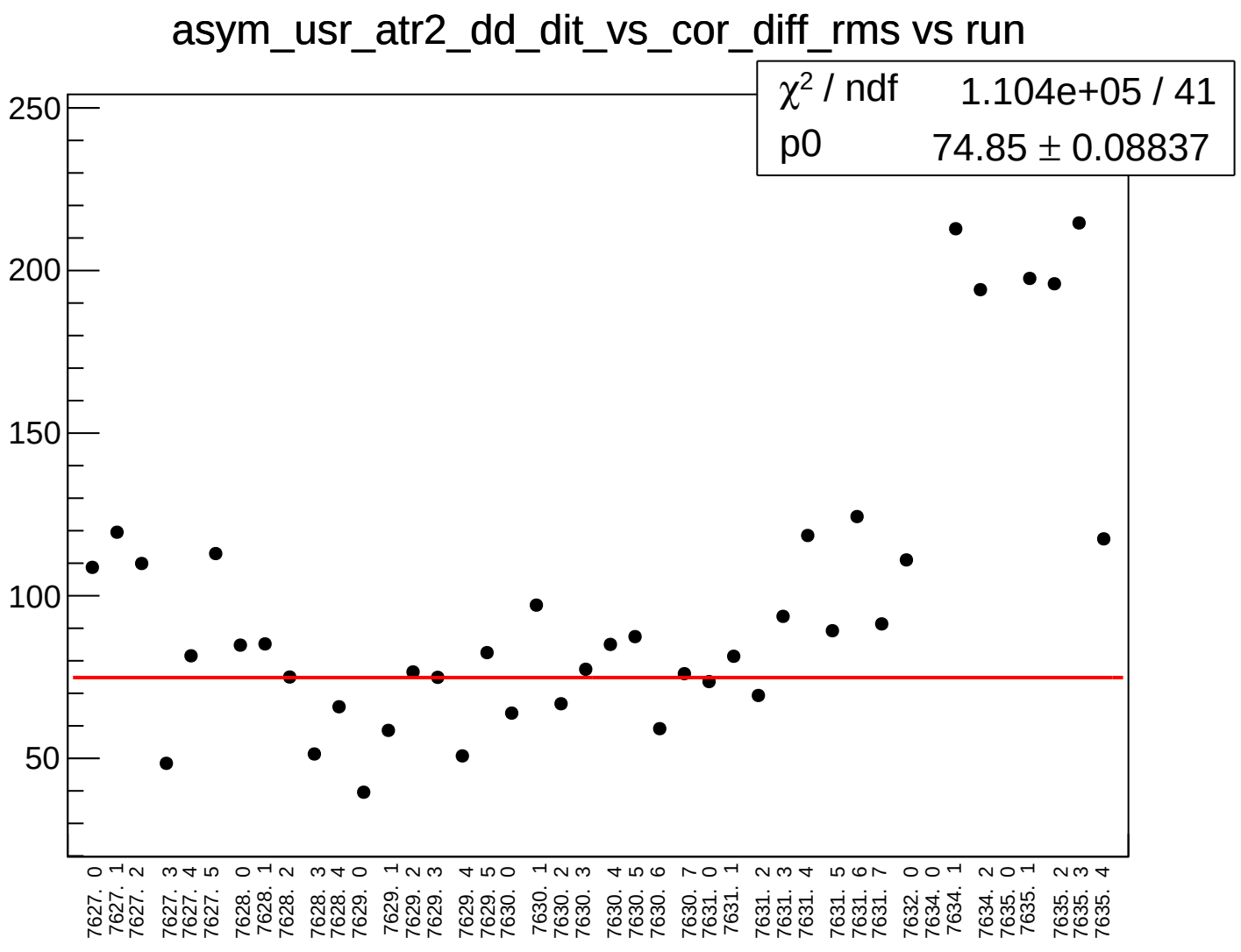

pull1D
Entries 42
Mean 0.007868
Std Dev 0.9178
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

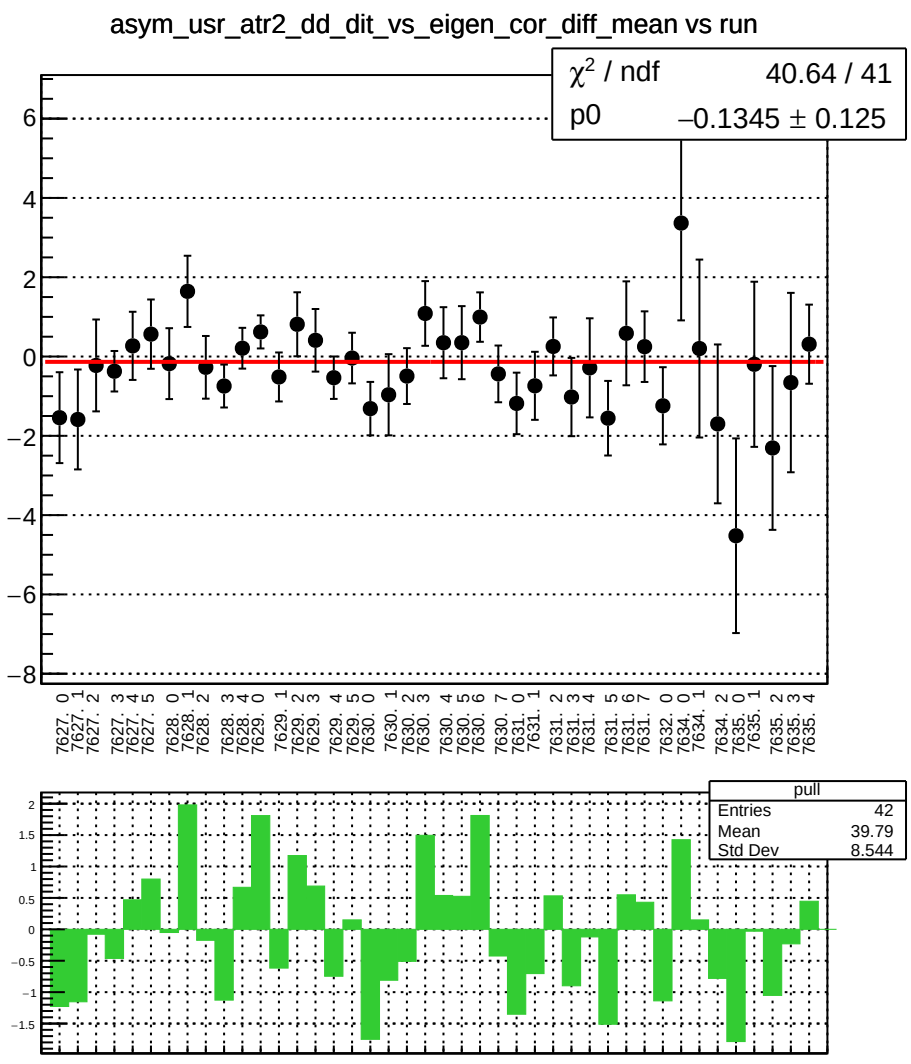

asym_usr_atr2_dd_rms vs run
χ² / ndf 6779 / 41
p0 6427 ± 7.093
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

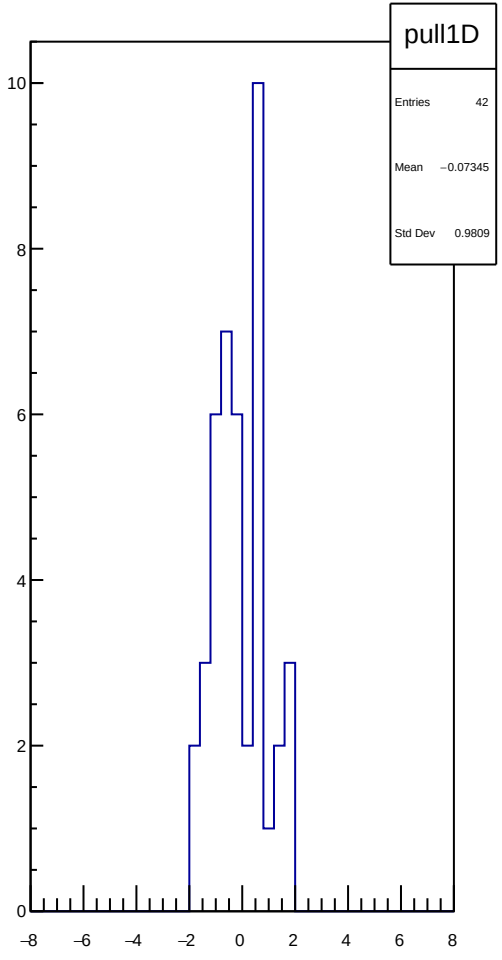

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.92 / 41
p0 1.714e−12 ± 2.557e−12
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.653
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.09468
Std Dev 0.9454
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

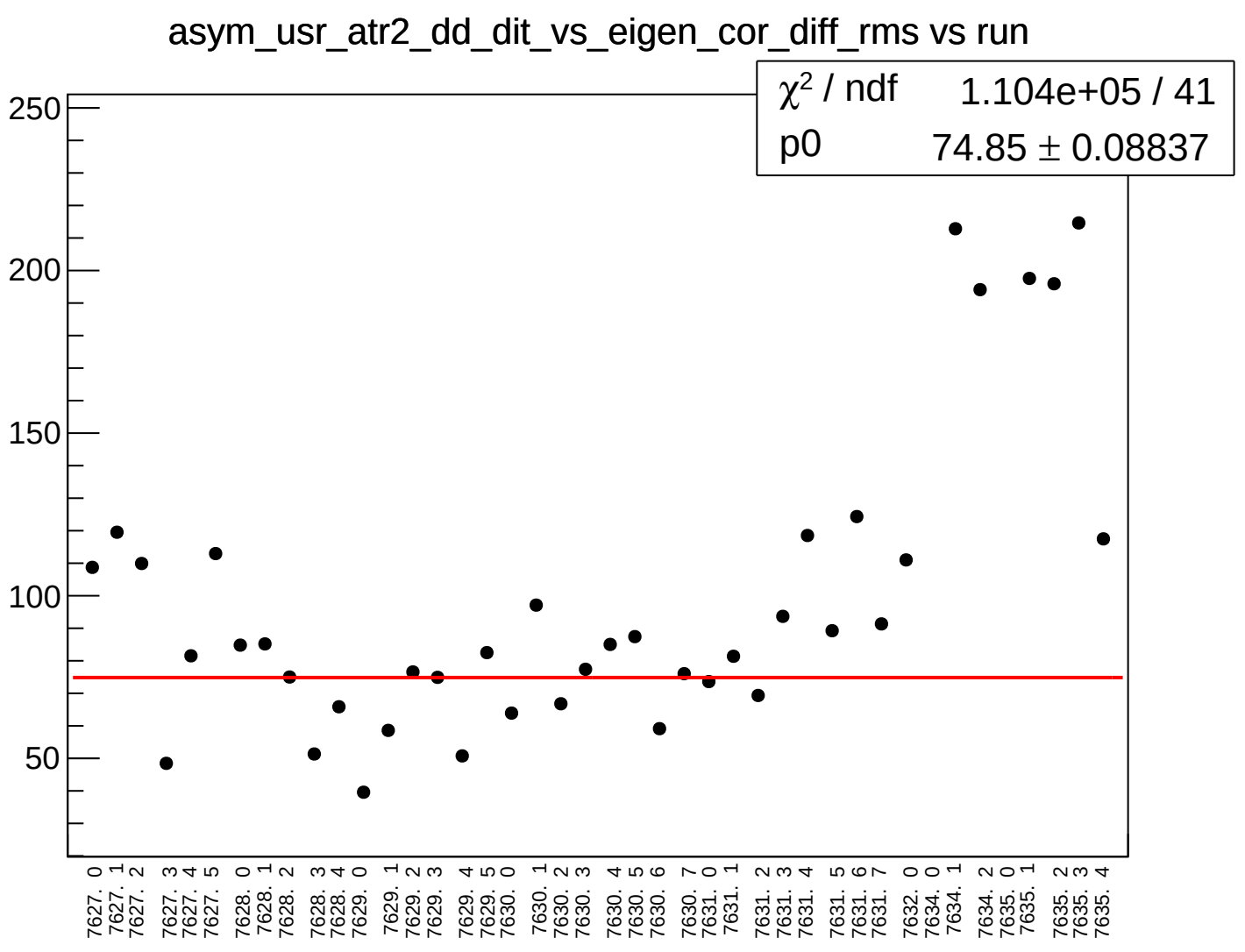

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.474e+05 / 41
p0 1.253e−09 ± 1.808e−12
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

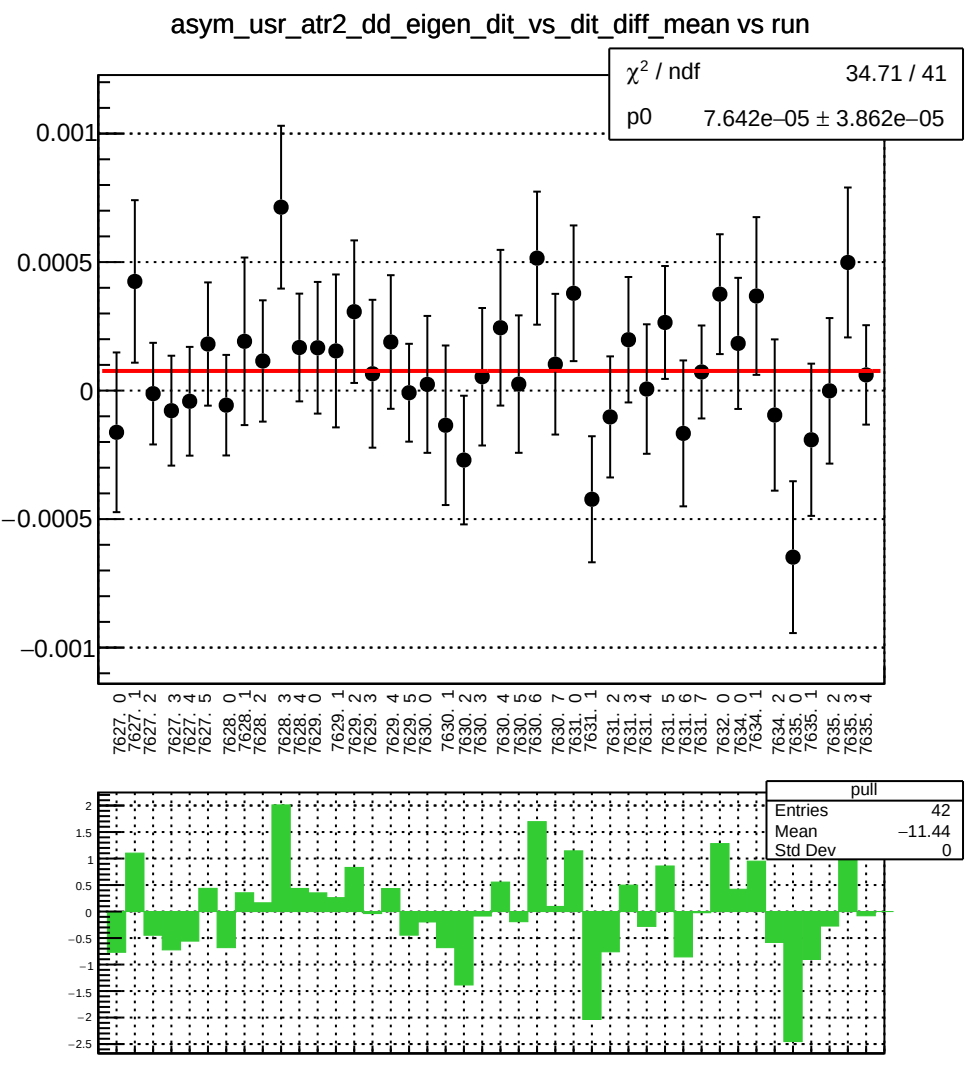

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 40.64 / 41
p0 −0.1345 ± 0.125
pull
Entries 42
Mean 39.79
Std Dev 8.544
pull1D
Entries 42
Mean −0.07345
Std Dev 0.9809

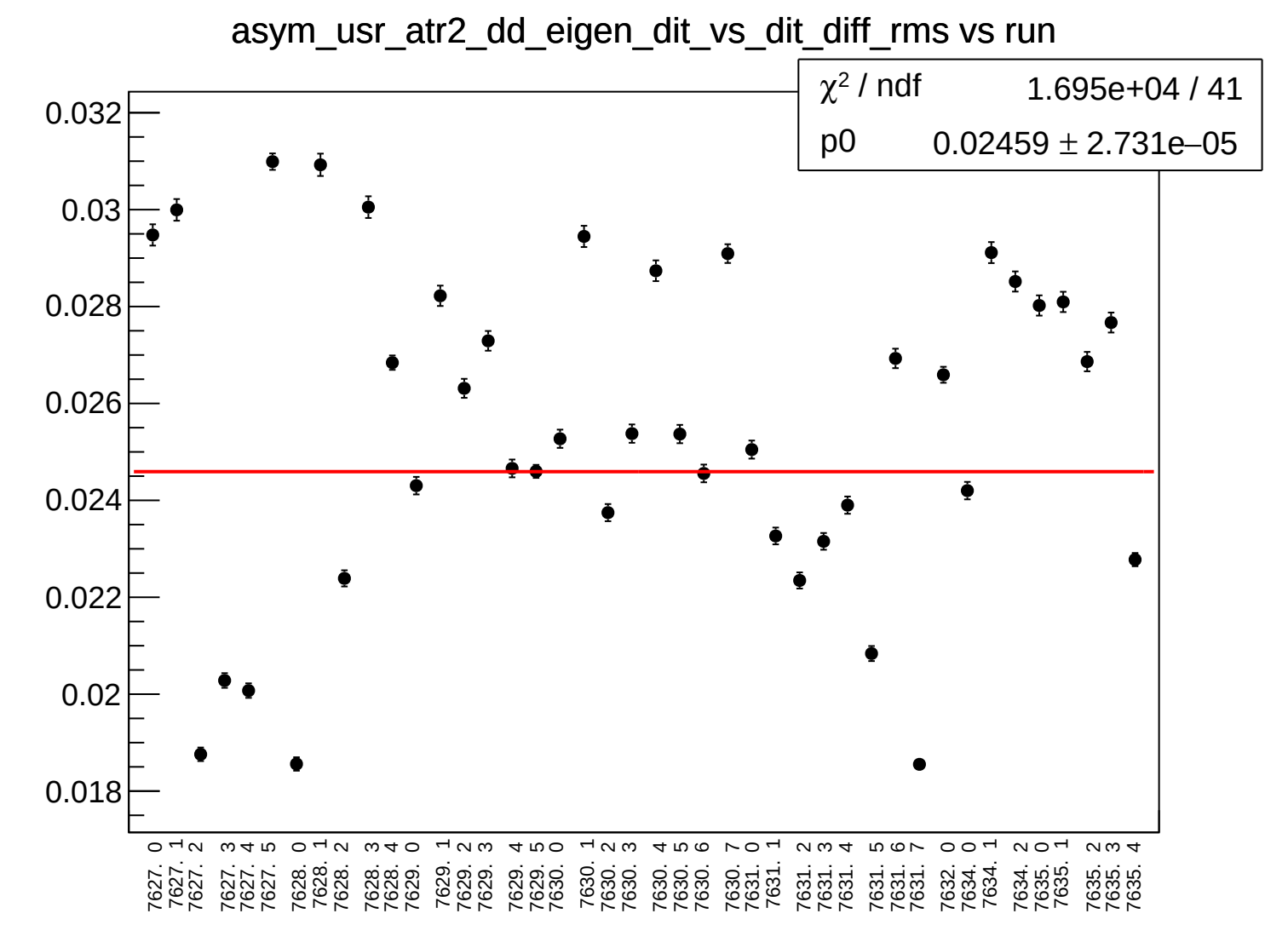

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.104e+05 / 41
p0 74.85 ± 0.08837
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

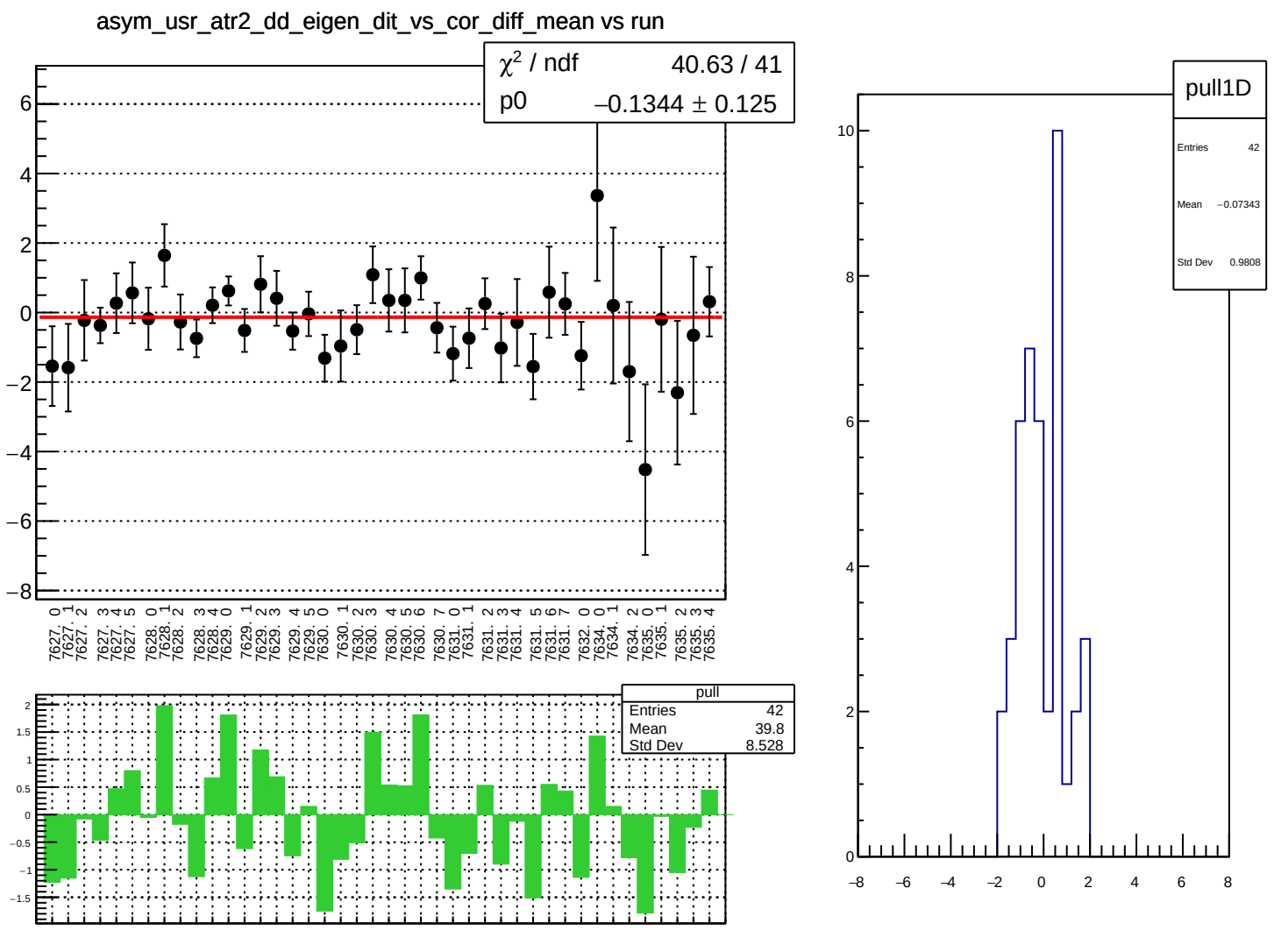

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.64 / 41
p0 −0.1345 ± 0.125
pull
Entries 42
Mean 39.79
Std Dev 8.544

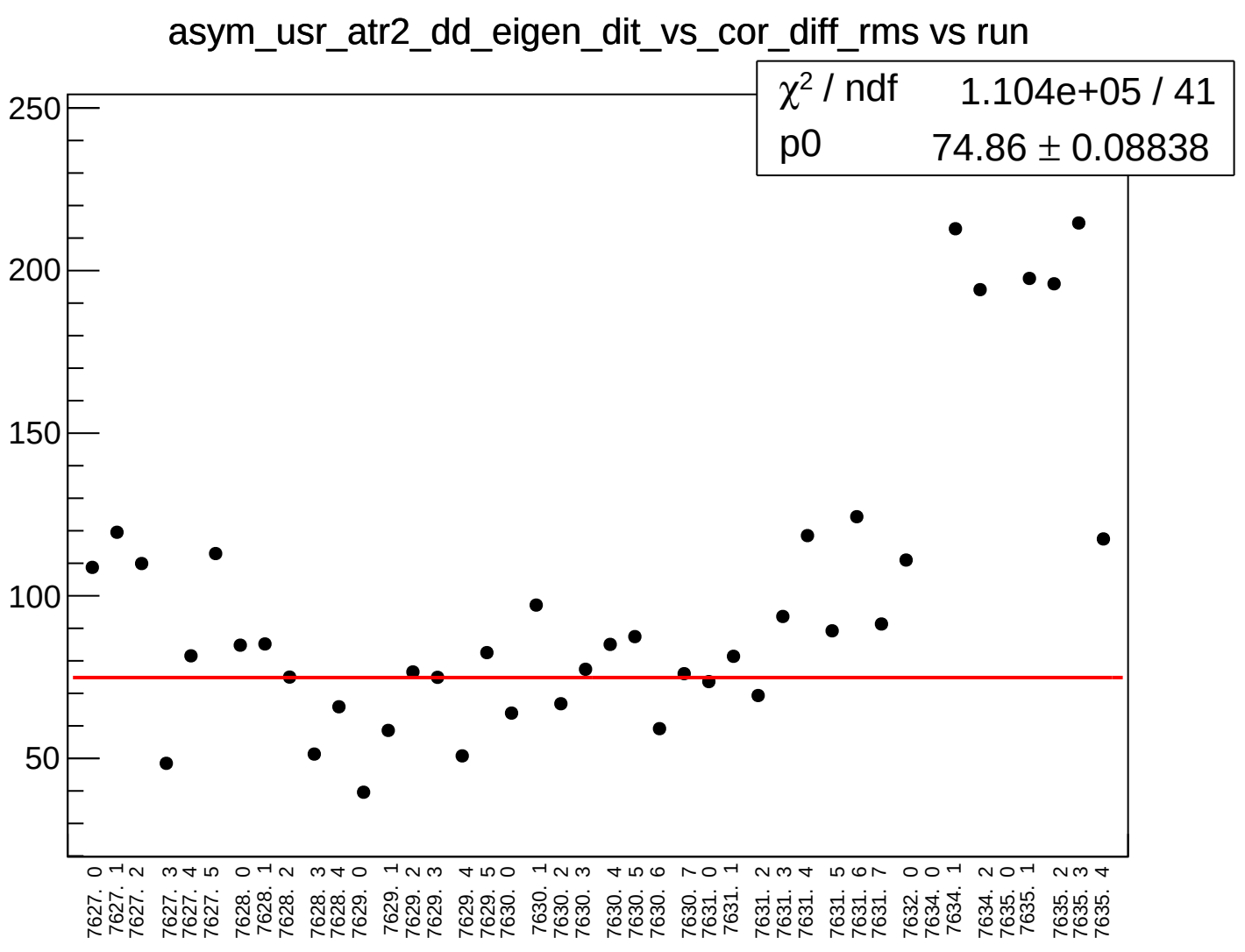

pull1D
Entries 42
Mean −0.07345
Std Dev 0.9809

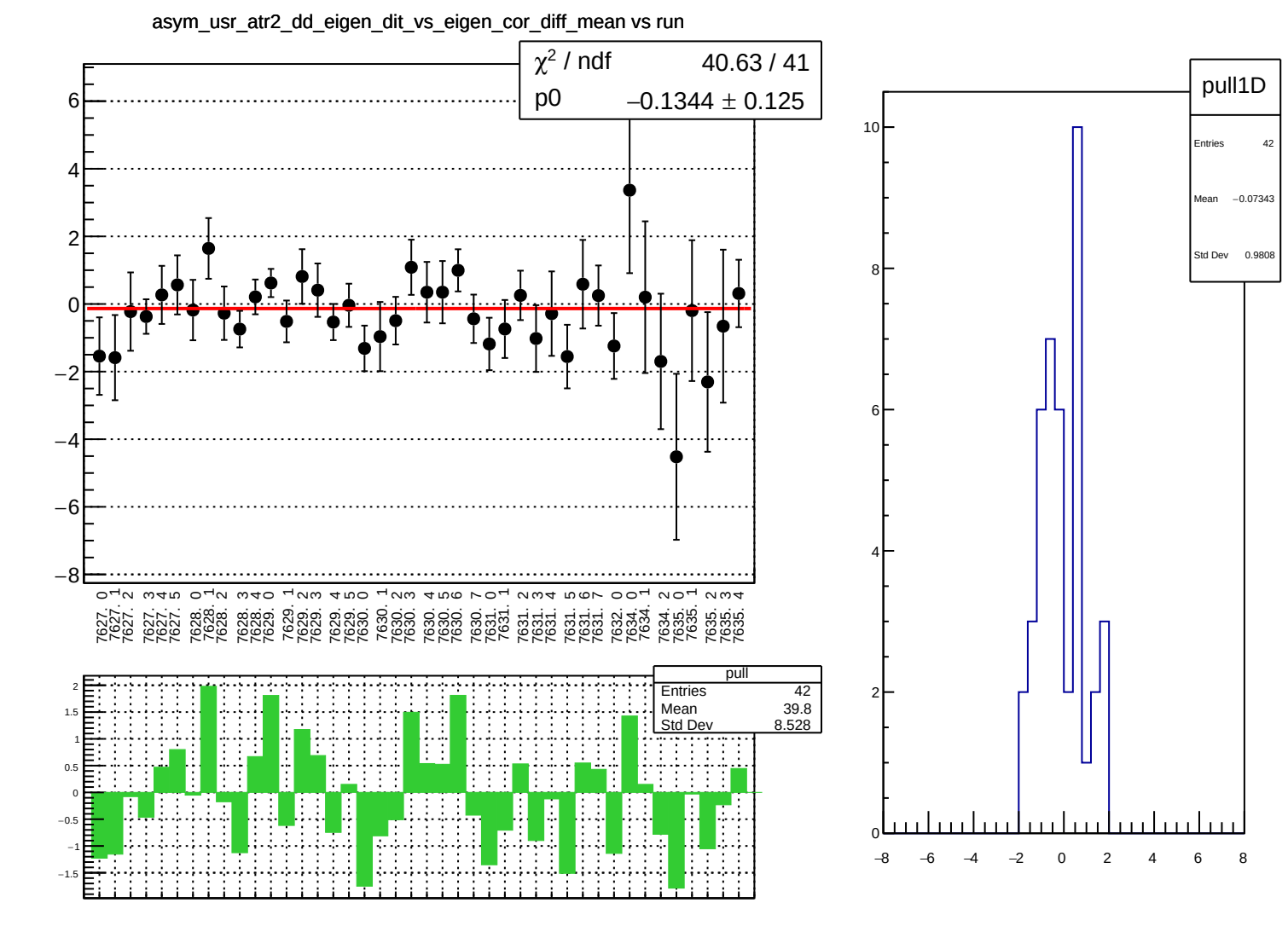

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.104e+05 / 41
p0 74.85 ± 0.08837
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

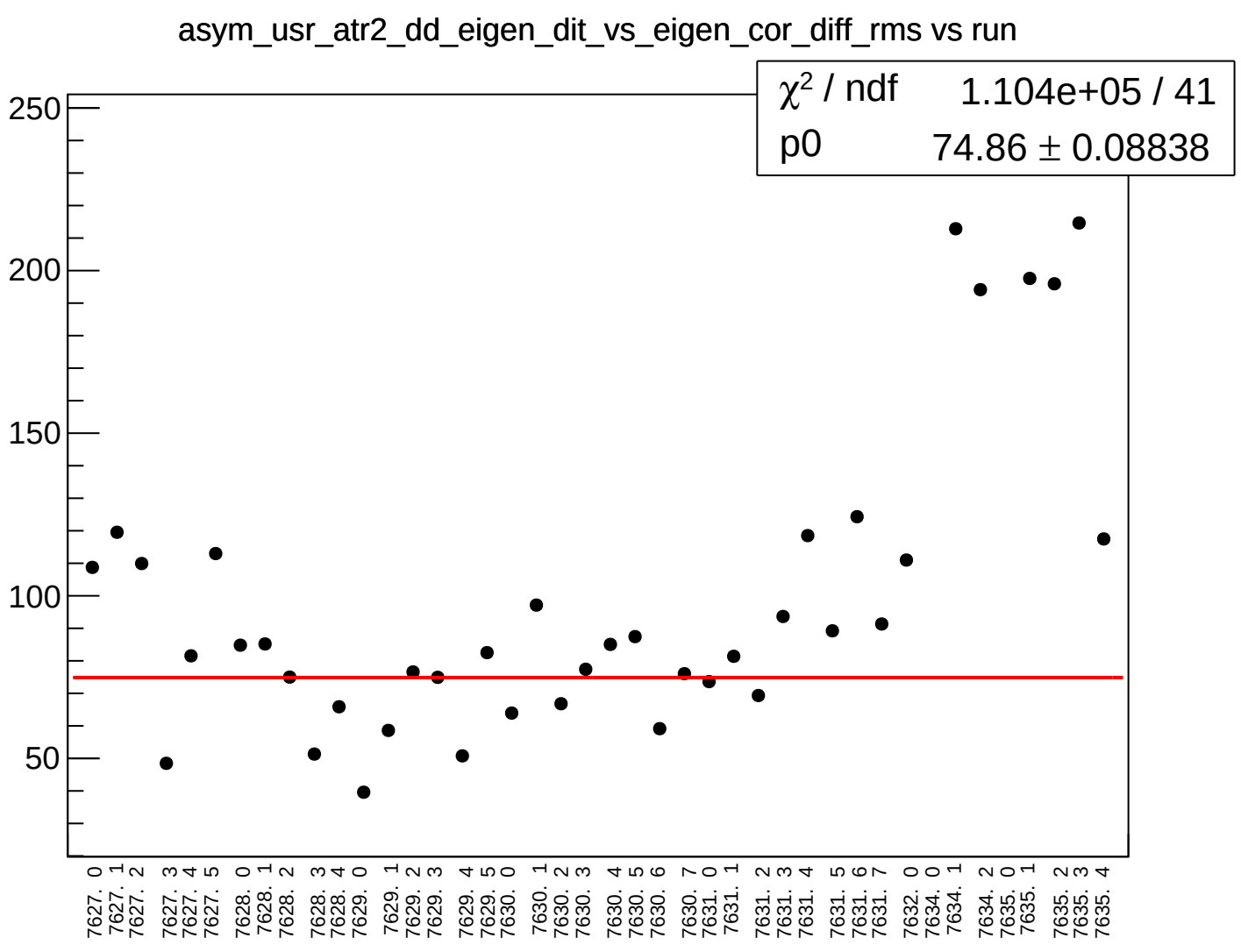

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 34.71 / 41
p0 7.642e−05 ± 3.862e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.02125
Std Dev 0.9088
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

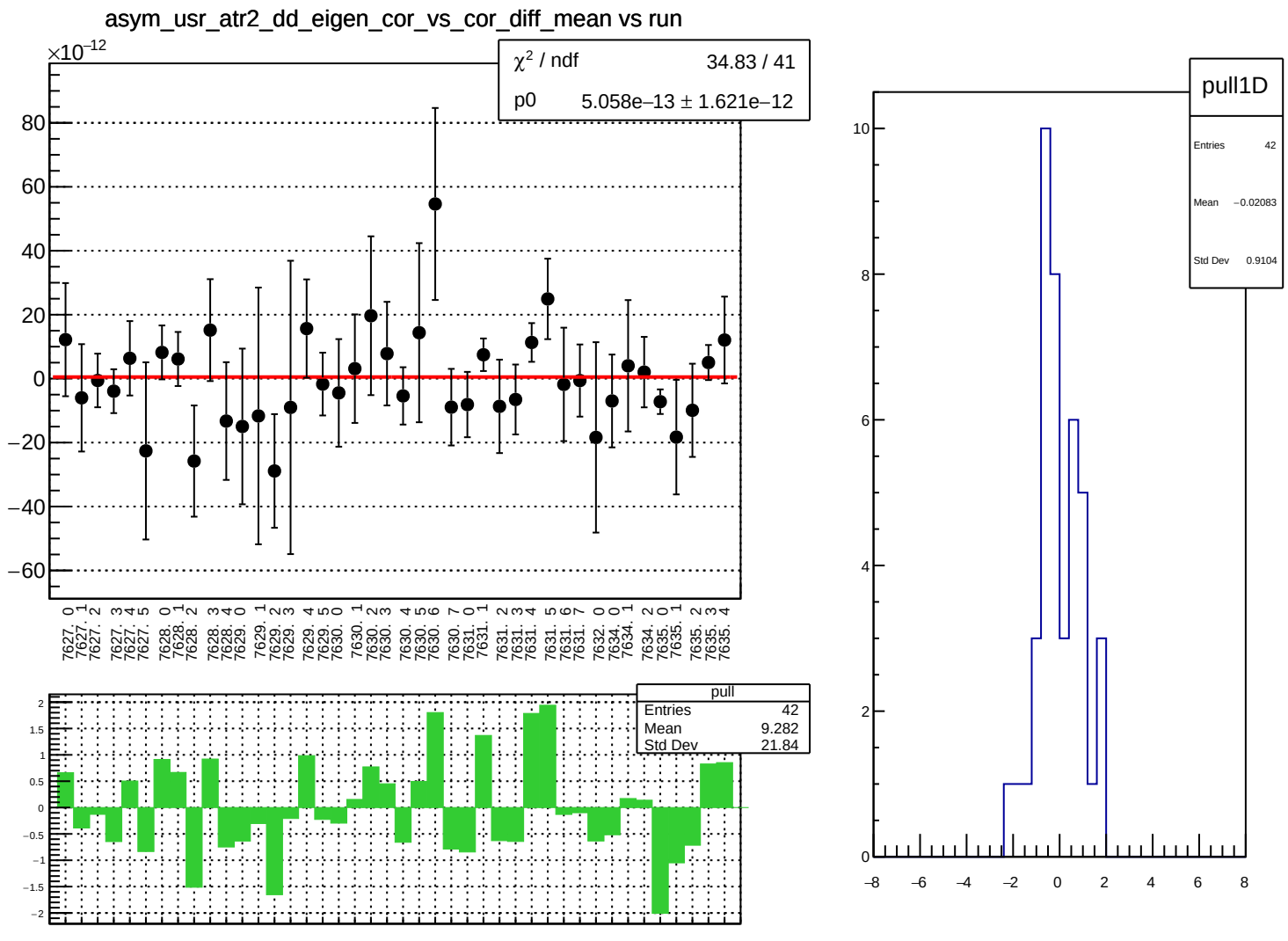

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.695e+04 / 41
p0 0.02459 ± 2.731e–05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

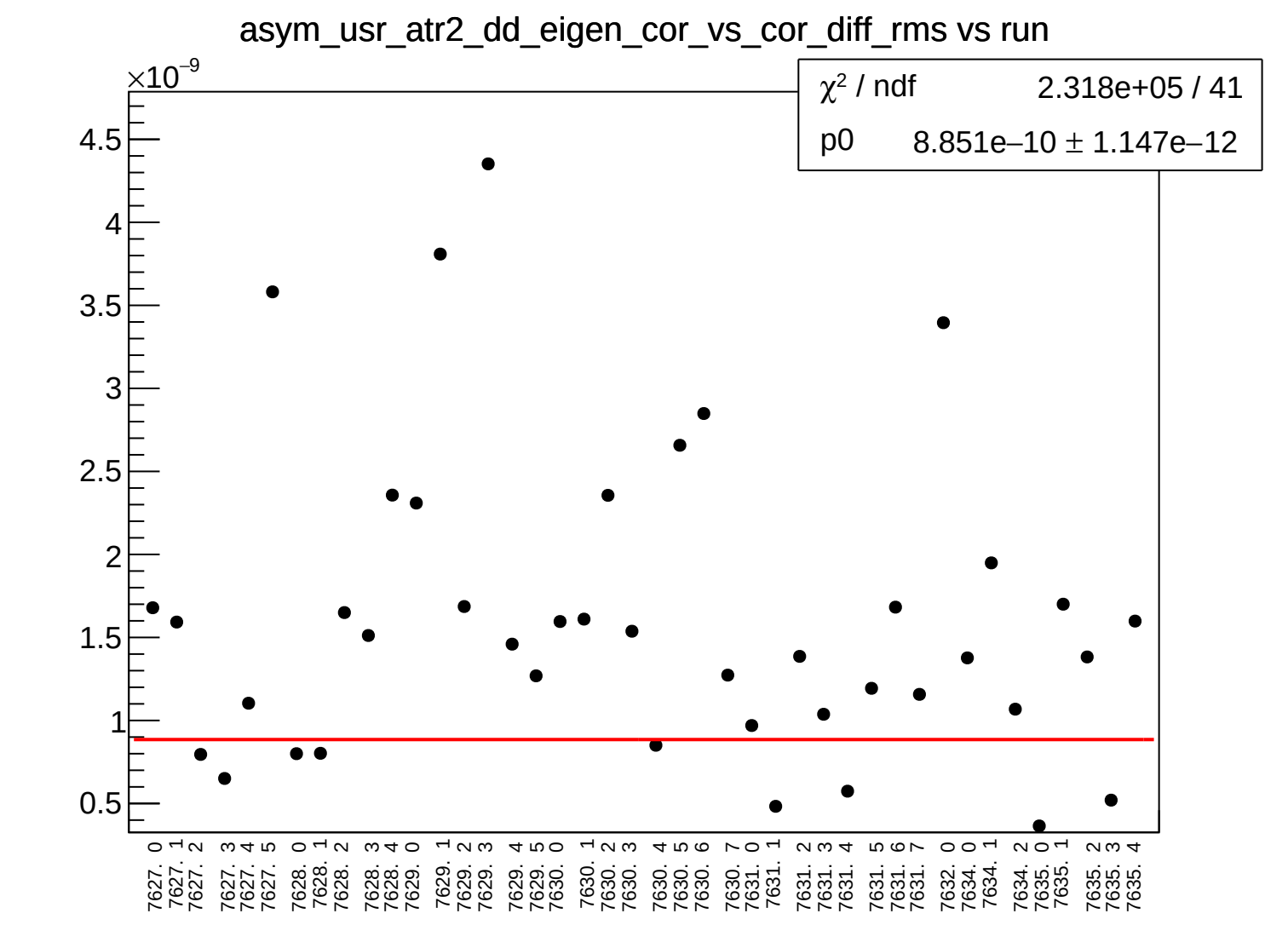

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.63 / 41
p0 −0.1344 ± 0.125
pull
Entries 42
Mean 39.8
Std Dev 8.528
pull1D
Entries 42
Mean −0.07343
Std Dev 0.9808


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.104e+05 / 41
p0 74.86 ± 0.08838
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.63 / 41
p0 −0.1344 ± 0.125
pull
Entries 42
Mean 39.8
Std Dev 8.528
pull1D
Entries 42
Mean −0.07343
Std Dev 0.9808


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.104e+05 / 41
p0 74.86 ± 0.08838
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.83 / 41
p0 5.058e−13 ± 1.621e−12
80
60
40
20
0
−20
−40
−60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.282
Std Dev 21.84
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02083
Std Dev 0.9104
10
8
6
4
2
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 2.318e+05 / 41
p0 8.851e−10 ± 1.147e−12
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7634. 0
7634. 1
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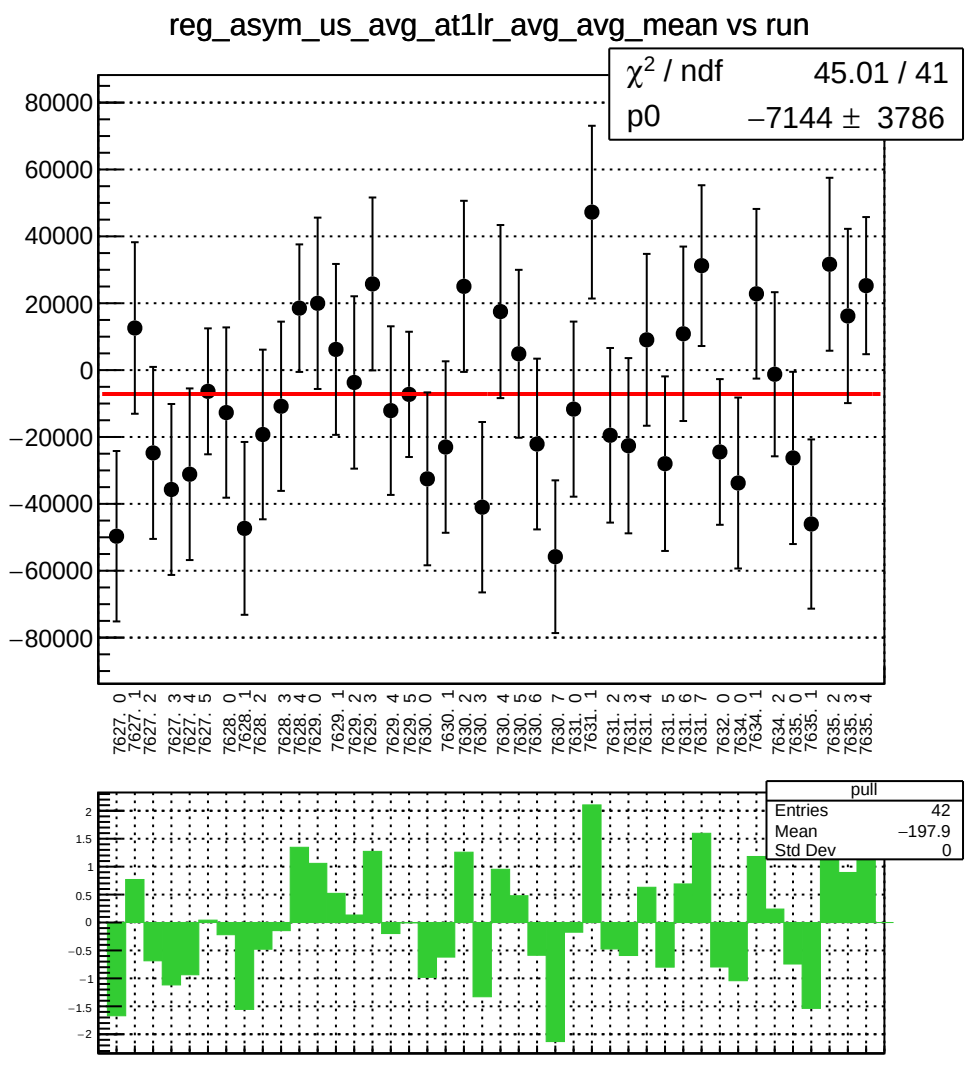
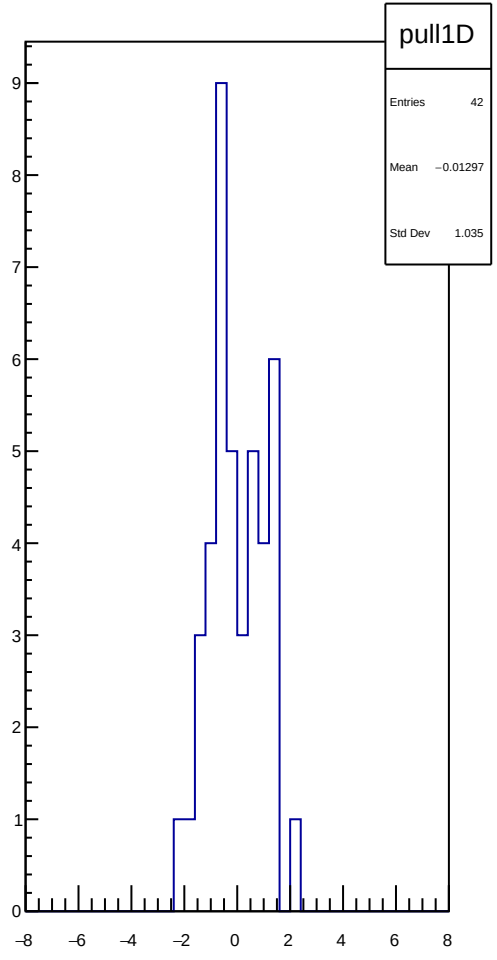
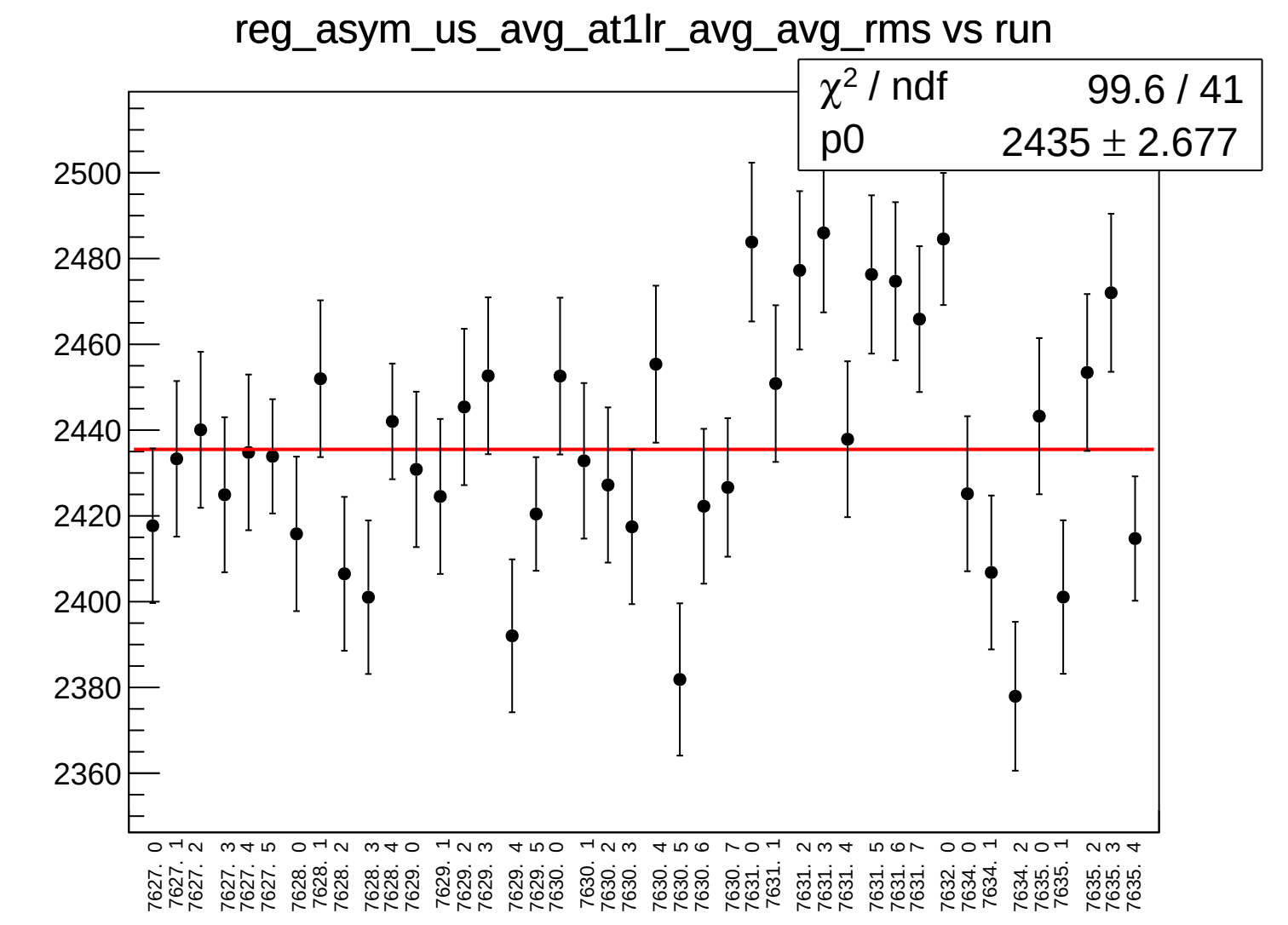
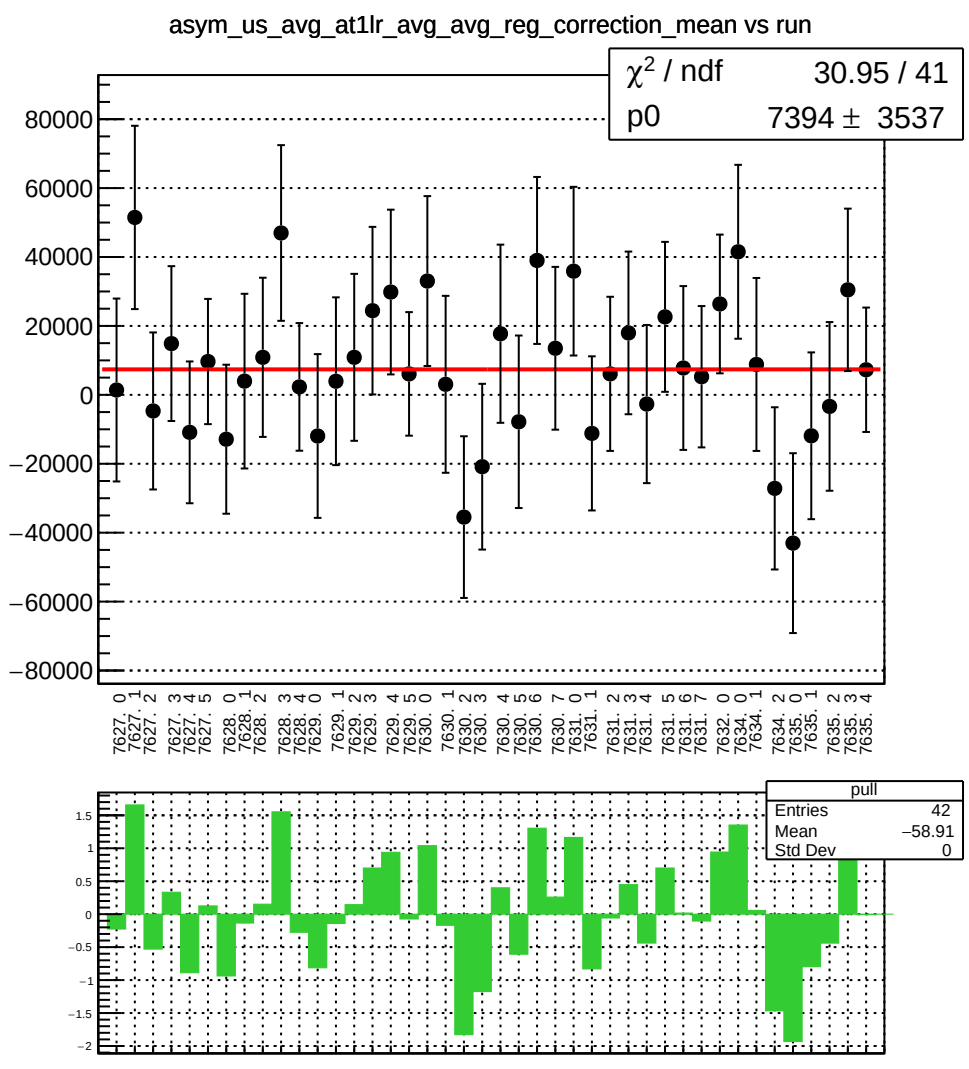
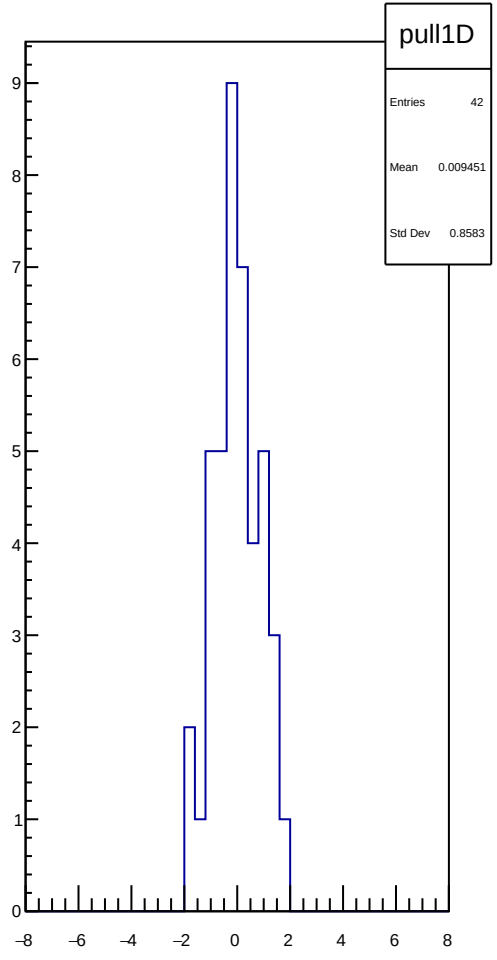
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

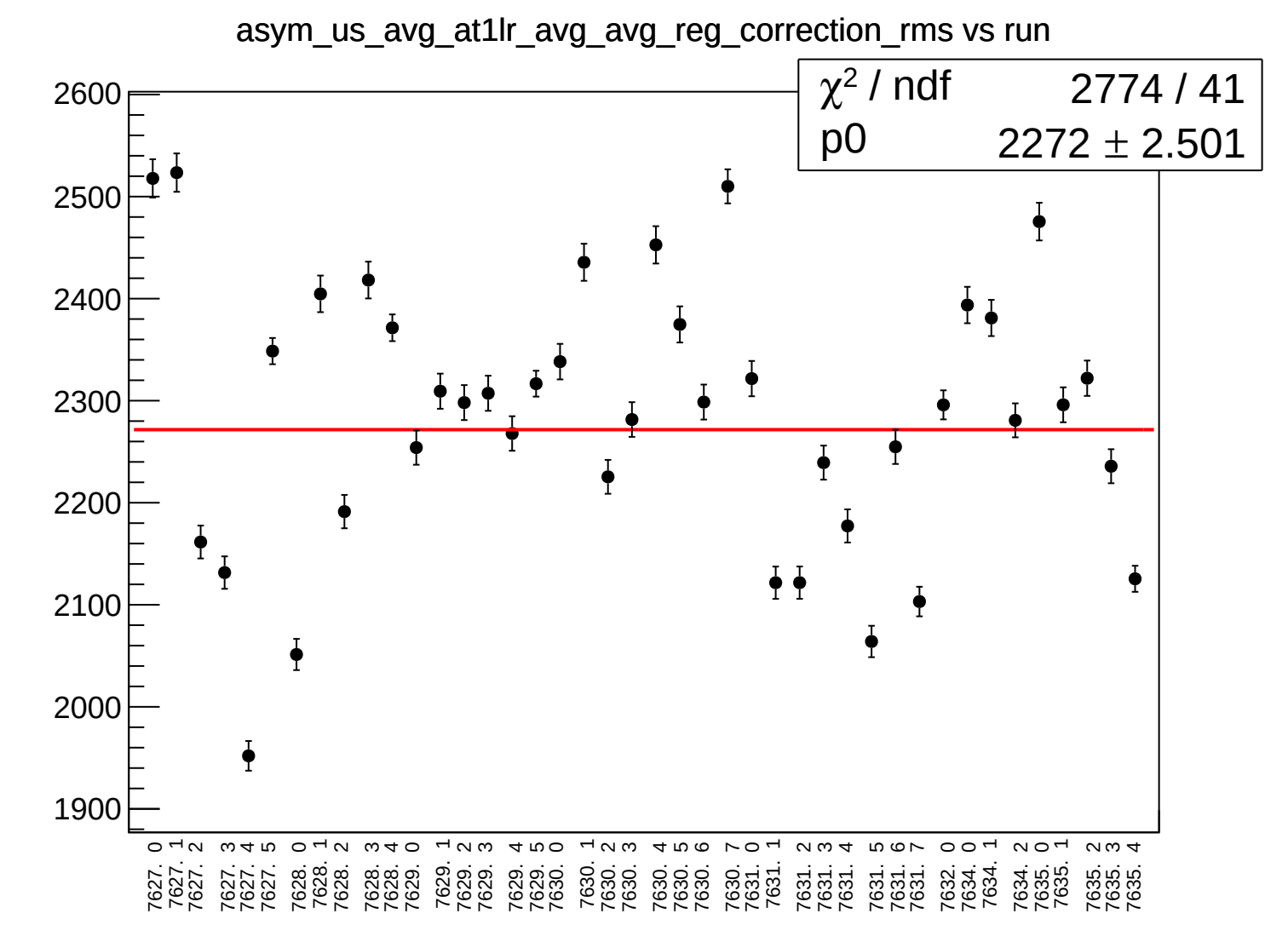

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 45.01 / 41
p0 −7144 ± 3786
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −197.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

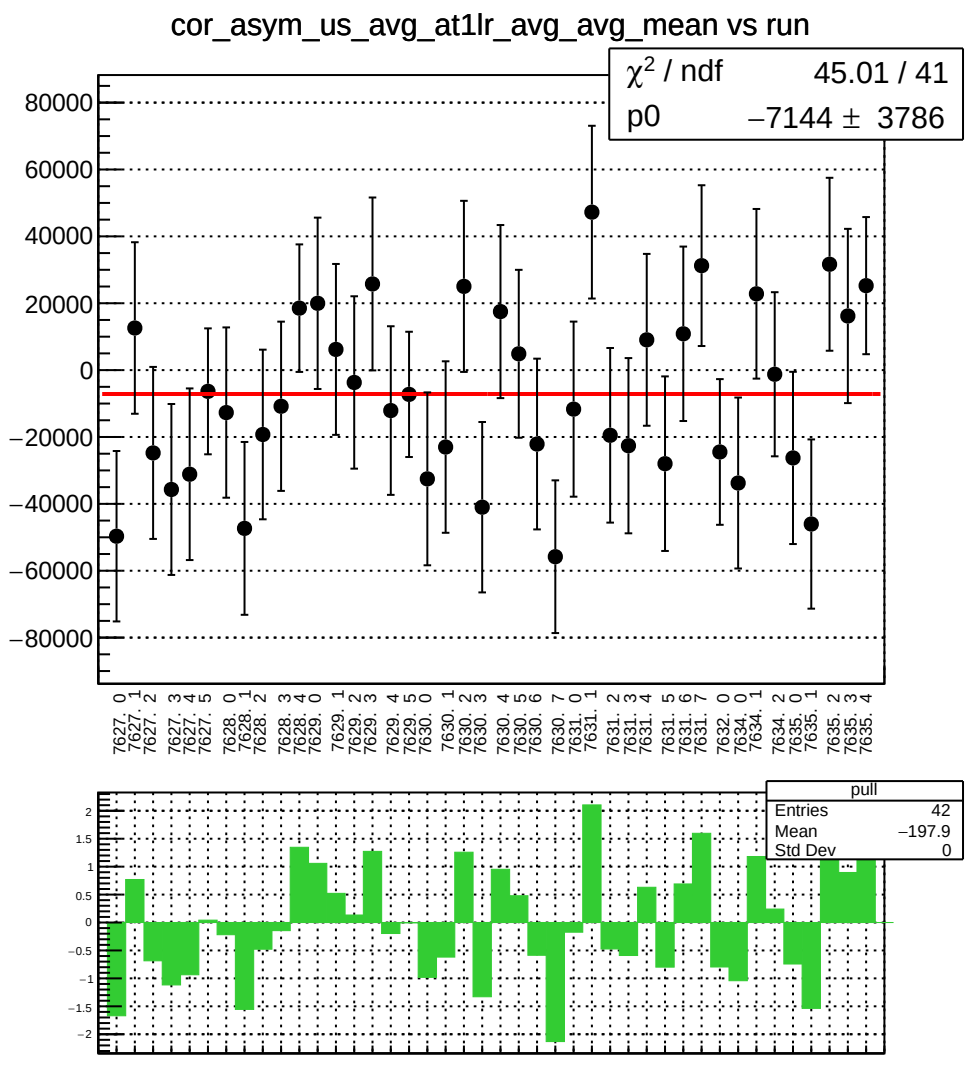

pull1D
Entries 42
Mean −0.01297
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

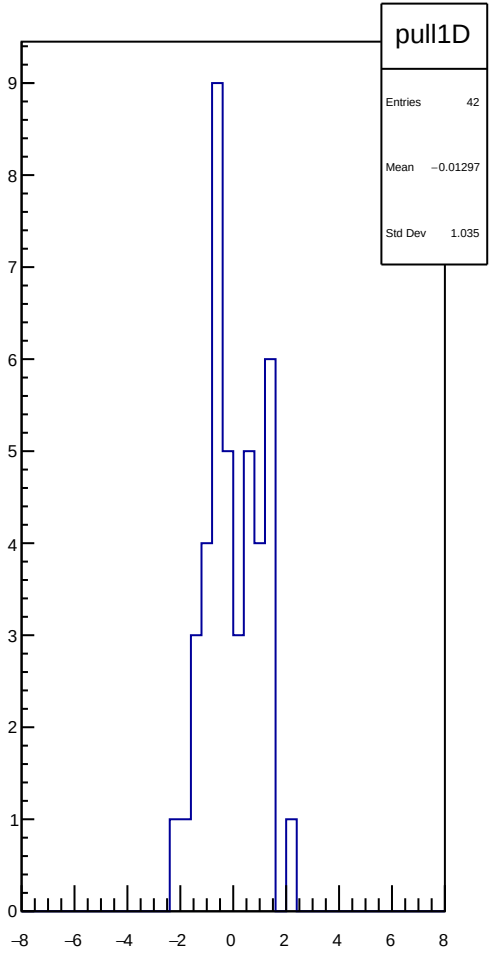

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 99.6 / 41
p0 2435 ± 2.677
2500
2480
2460
2440
2420
2400
2380
2360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

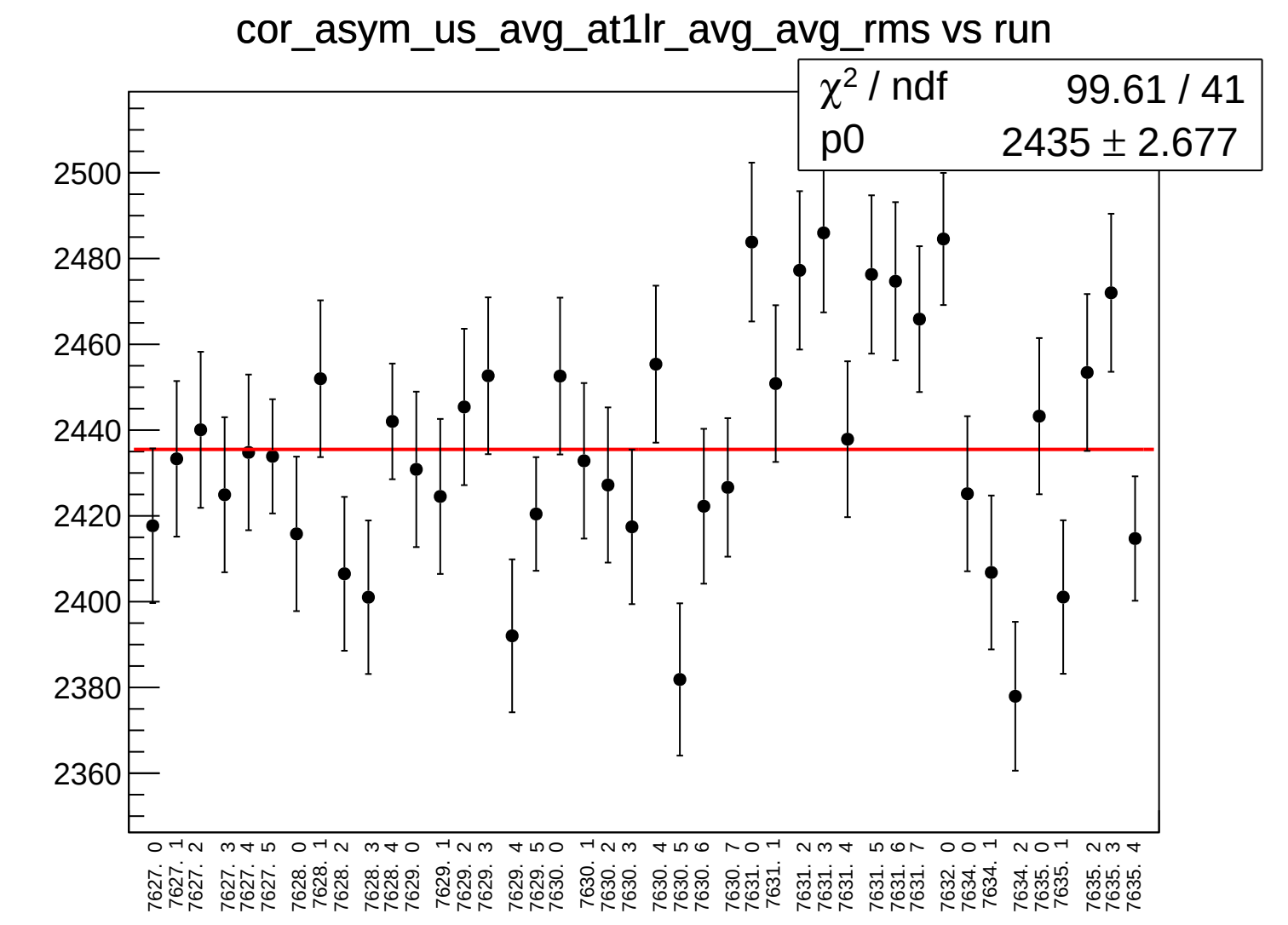

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 30.95 / 41
p0 7394 ± 3537
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −58.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

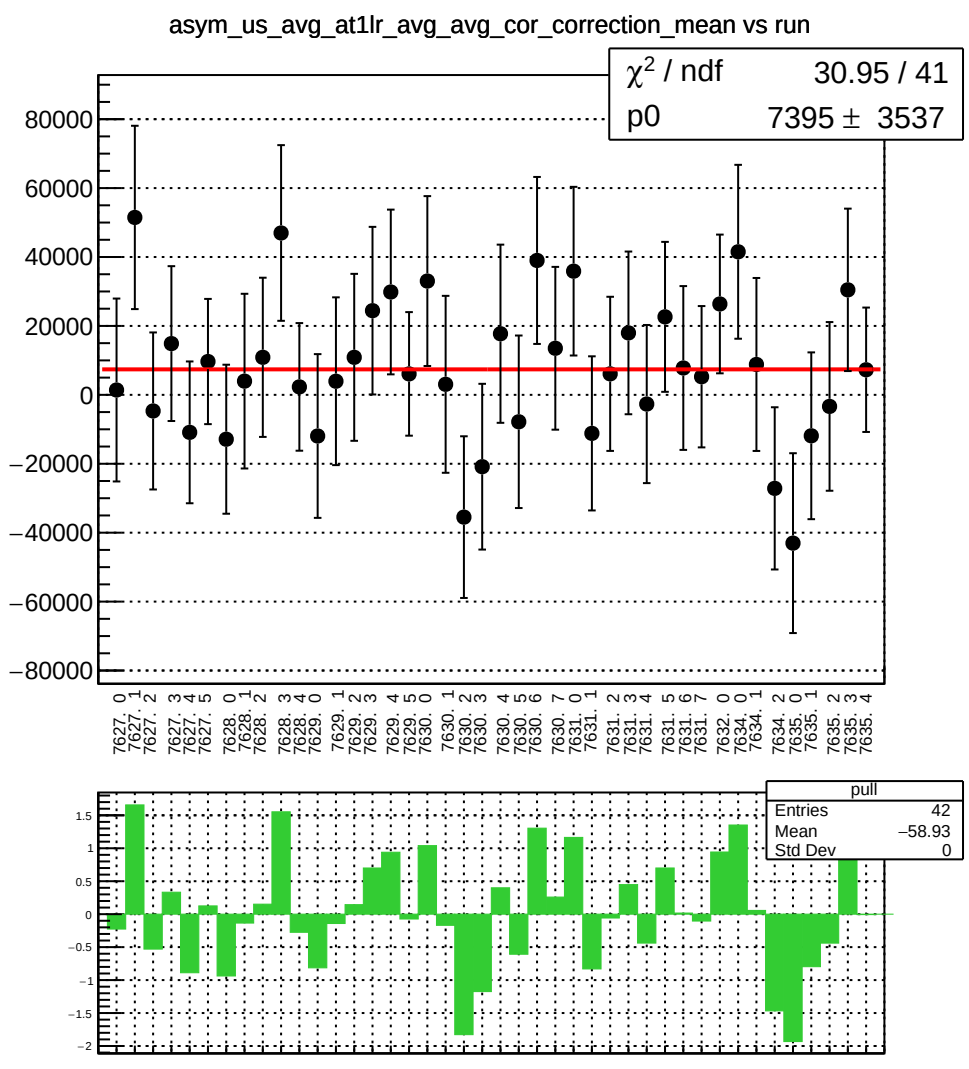

pull1D
Entries 42
Mean 0.009451
Std Dev 0.8583
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

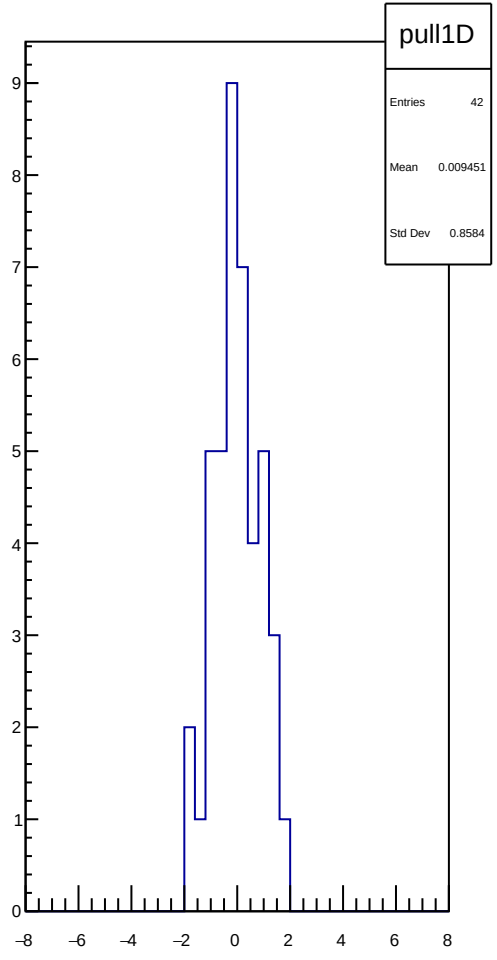

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2774 / 41
p0 2272 ± 2.501
2600
2500
2400
2300
2200
2100
2000
1900
17627. 0
17627. 1
17627. 2
17627. 3
17627. 4
17627. 5
17628. 0
17628. 1
17628. 2
17628. 3
17628. 4
17629. 0
17629. 1
17629. 2
17629. 3
17629. 4
17629. 5
17630. 0
17630. 1
17630. 2
17630. 3
17630. 4
17630. 5
17630. 6
17630. 7
17631. 0
17631. 1
17631. 2
17631. 3
17631. 4
17631. 5
17631. 6
17631. 7
17632. 0
17634. 0
17634. 1
17634. 2
17635. 0
17635. 1
17635. 2
17635. 3
17635. 4

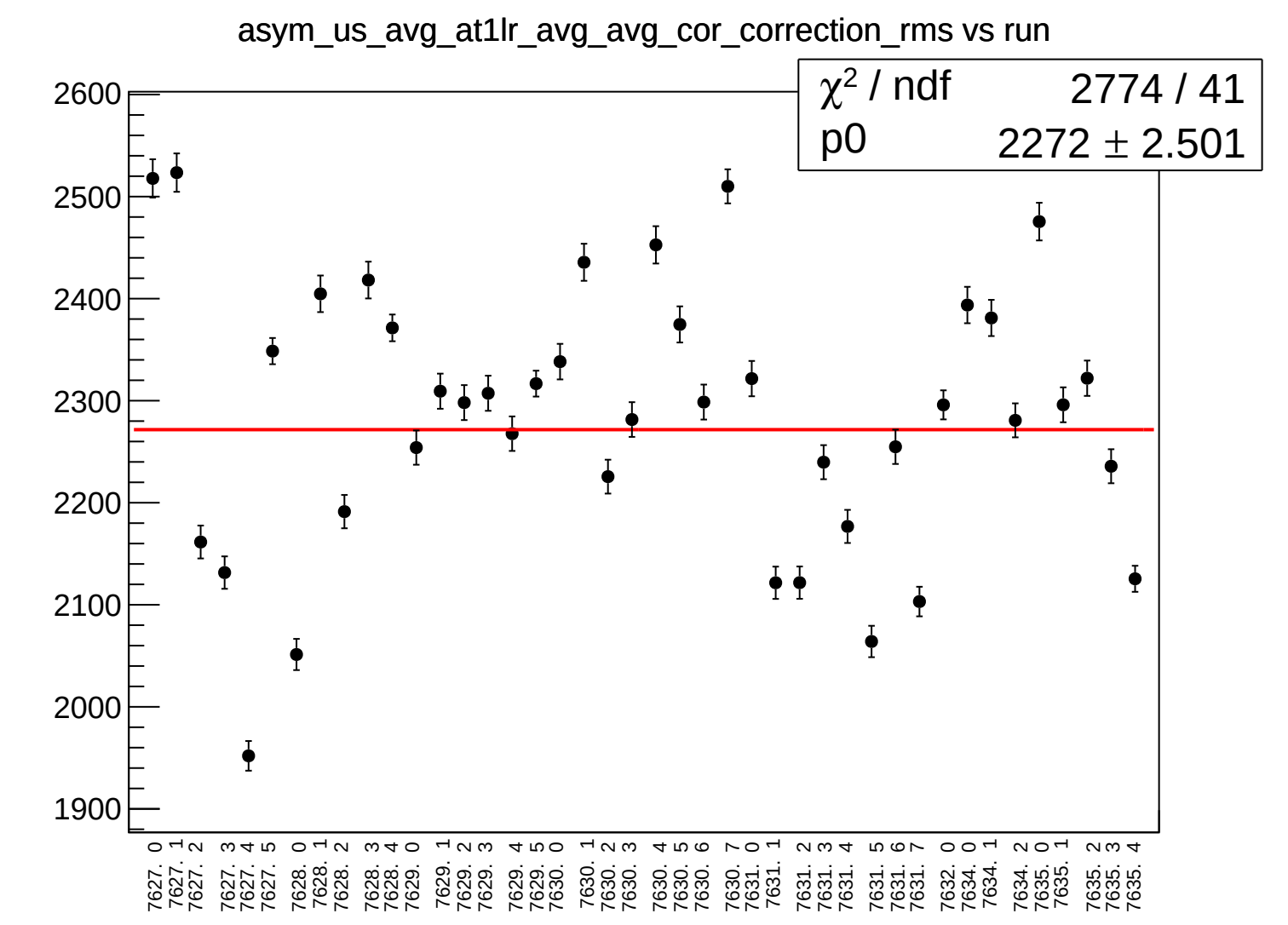

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 45.01 / 41
p0 −7144 ± 3786
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −197.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

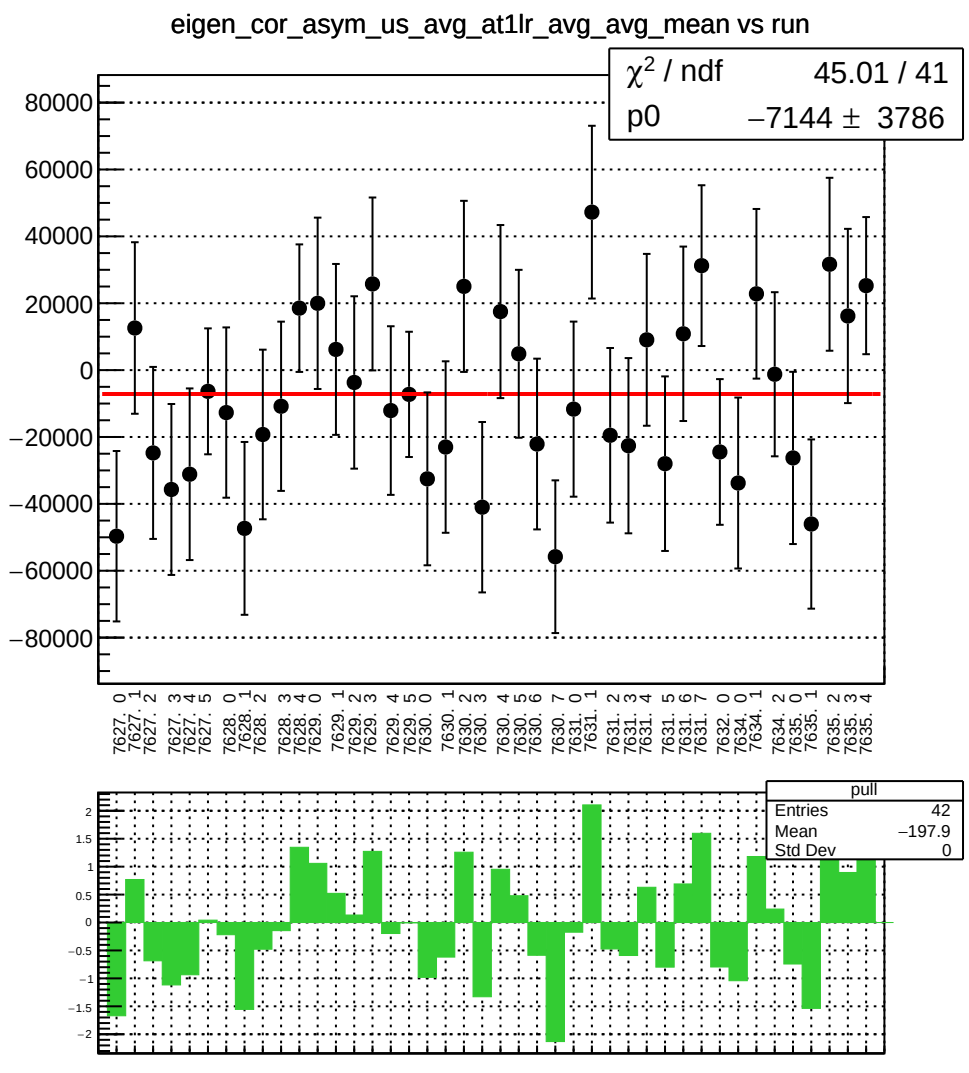

pull1D
Entries 42
Mean −0.01297
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

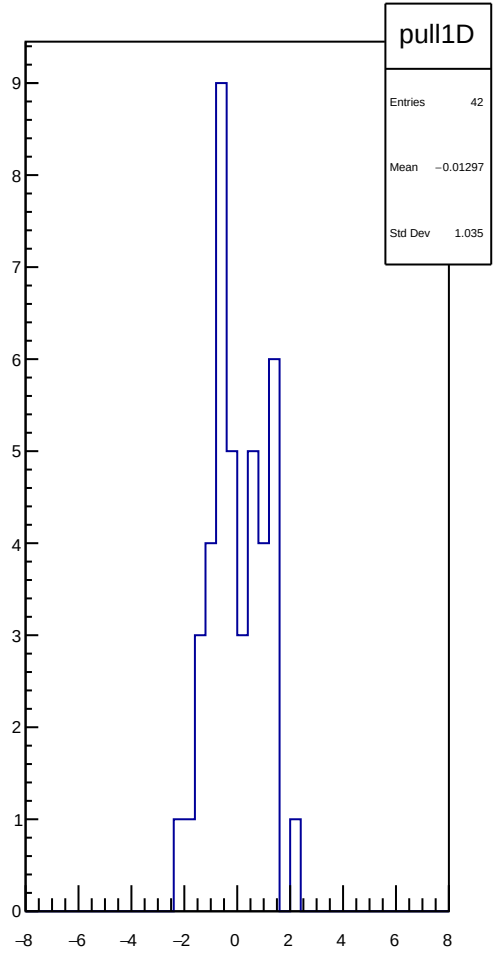

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 99.61 / 41
p0 2435 ± 2.677
2500
2480
2460
2440
2420
2400
2380
2360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

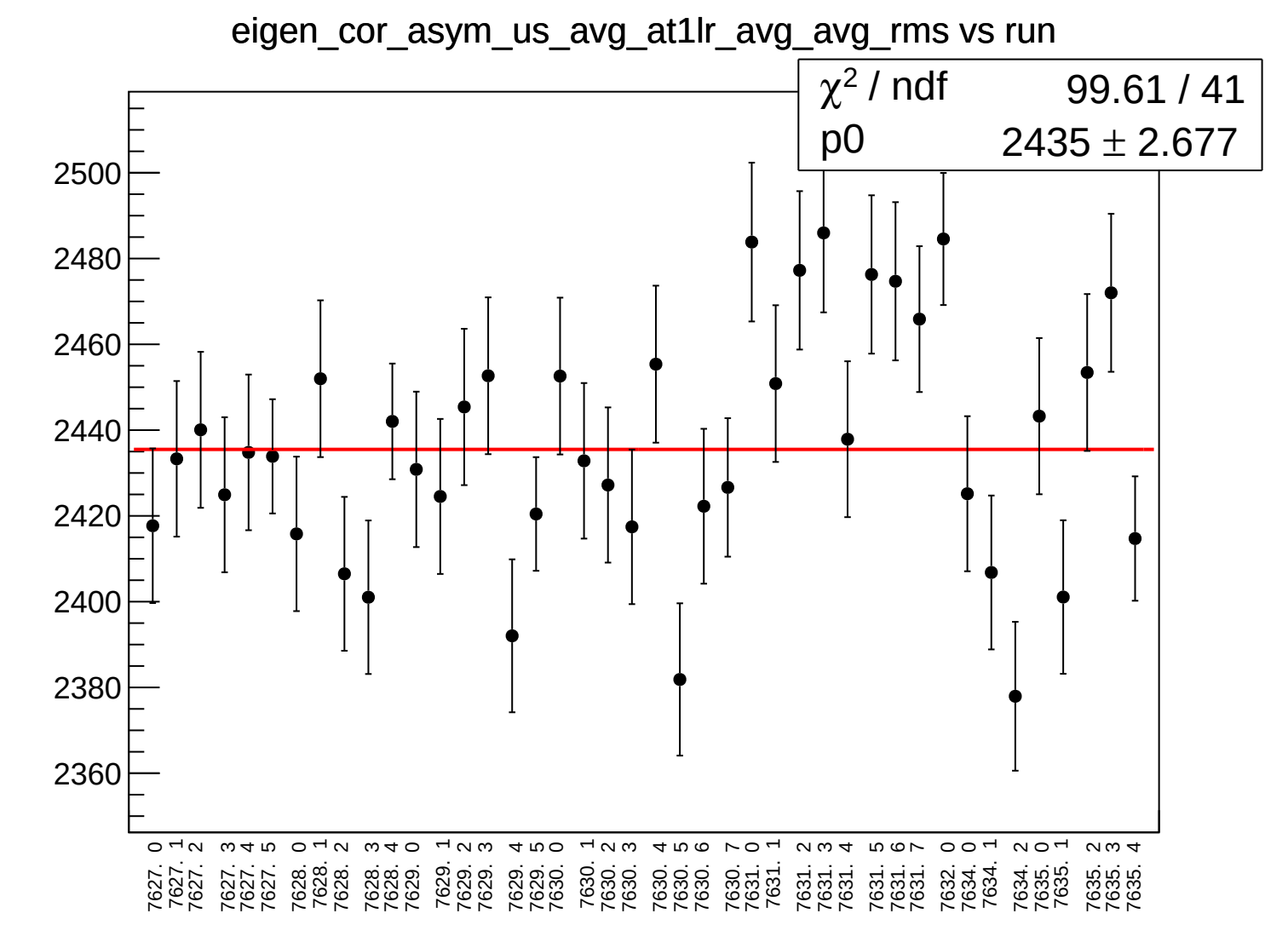

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 30.95 / 41
p0 7395 ± 3537
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −58.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.009451
Std Dev 0.8584
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

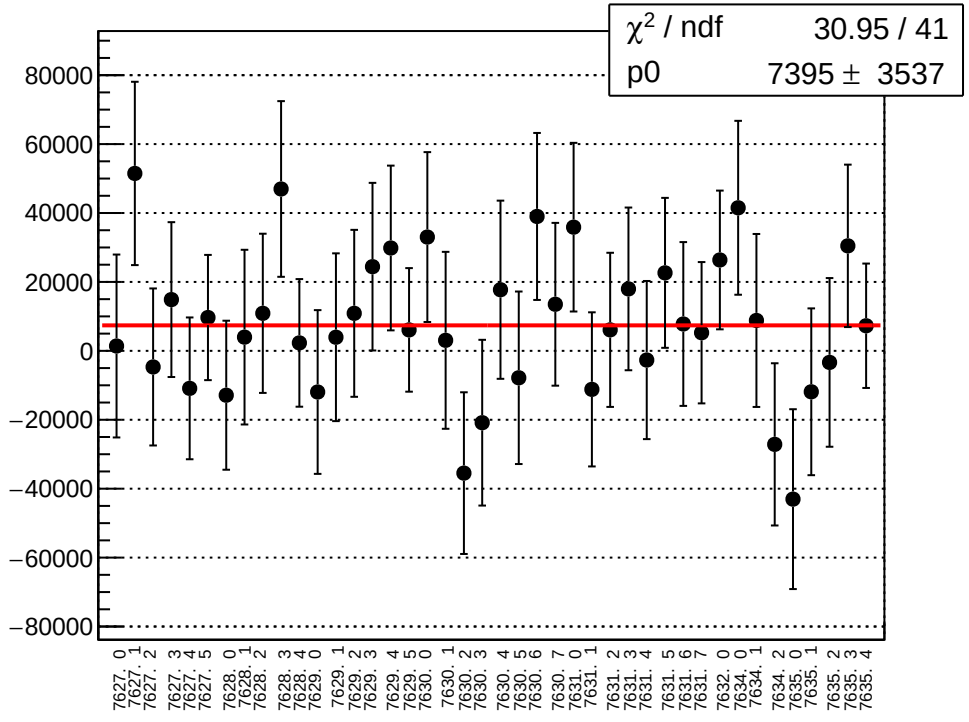

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2774 / 41
p0 2272 ± 2.501
2600
2500
2400
2300
2200
2100
2000
1900
17627. 0
17627. 1
17627. 2
17627. 3
17627. 4
17627. 5
17628. 0
17628. 1
17628. 2
17628. 3
17628. 4
17629. 0
17629. 1
17629. 2
17629. 3
17629. 4
17629. 5
17630. 0
17630. 1
17630. 2
17630. 3
17630. 4
17630. 5
17630. 6
17630. 7
17631. 0
17631. 1
17631. 2
17631. 3
17631. 4
17631. 5
17631. 6
17631. 7
17632. 0
17634. 0
17634. 1
17634. 2
17635. 0
17635. 1
17635. 2
17635. 3
17635. 4

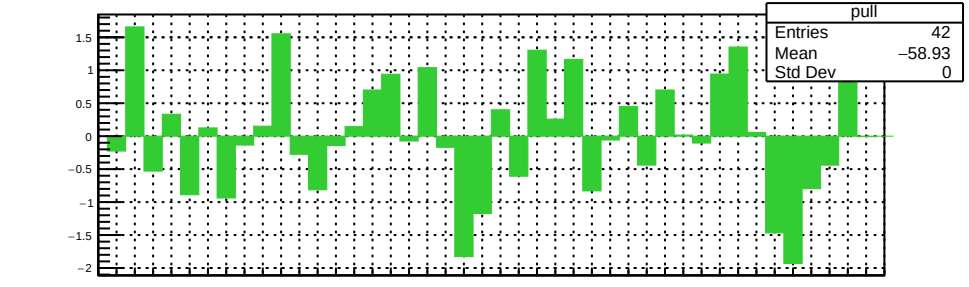

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 45.01 / 41
p0 −7144 ± 3786
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −197.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

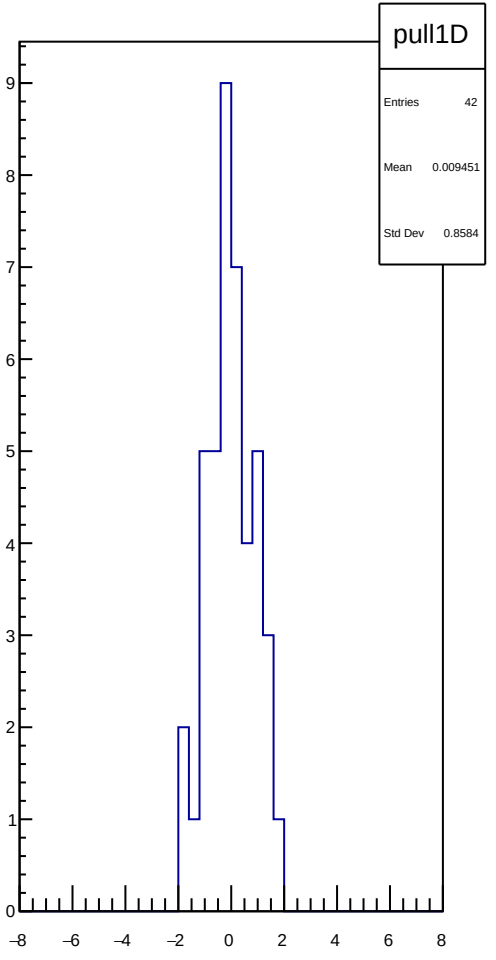

pull1D
Entries 42
Mean −0.01297
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

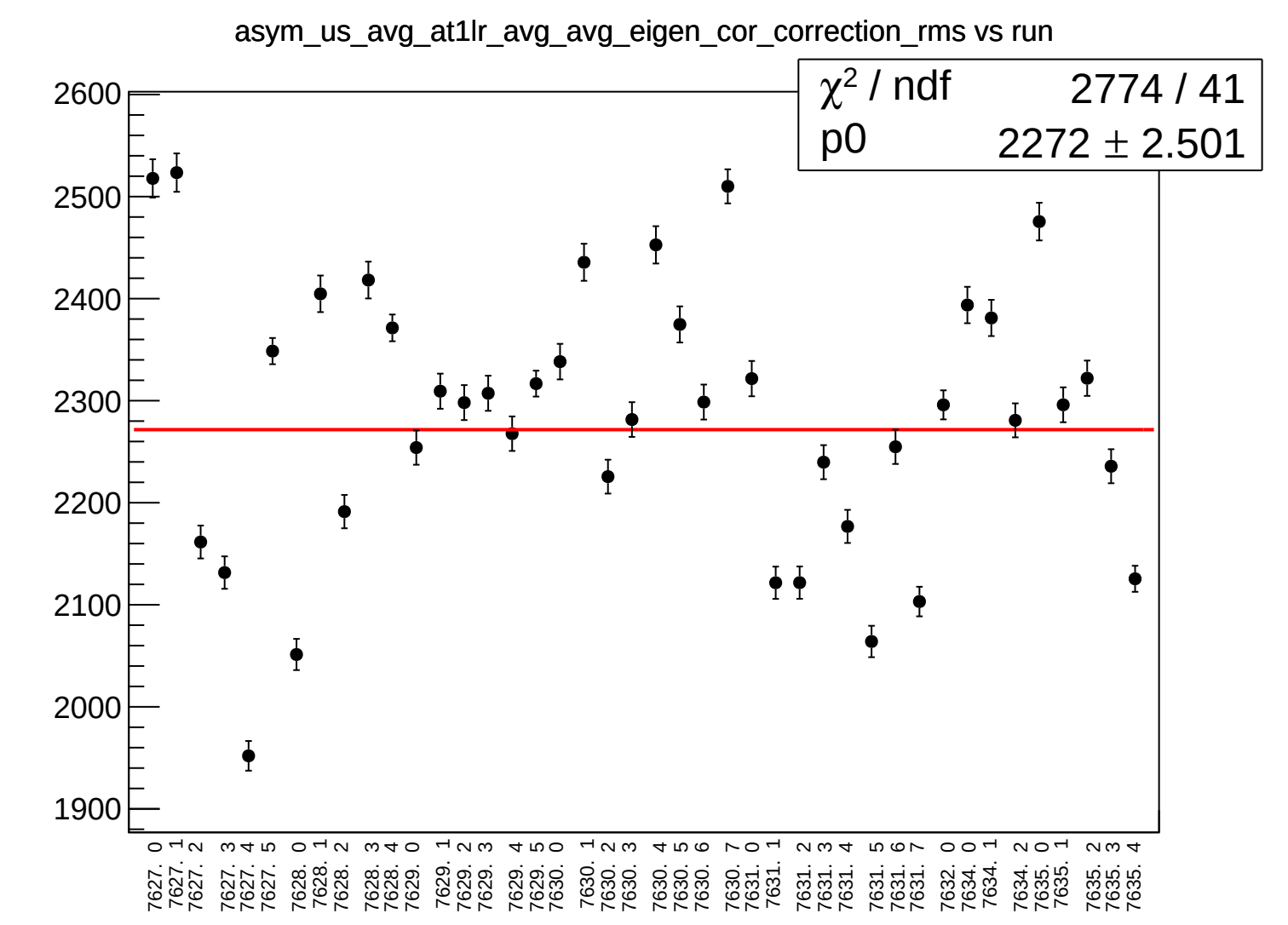

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 99.61 / 41
p0 2435 ± 2.677
2500
2480
2460
2440
2420
2400
2380
2360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

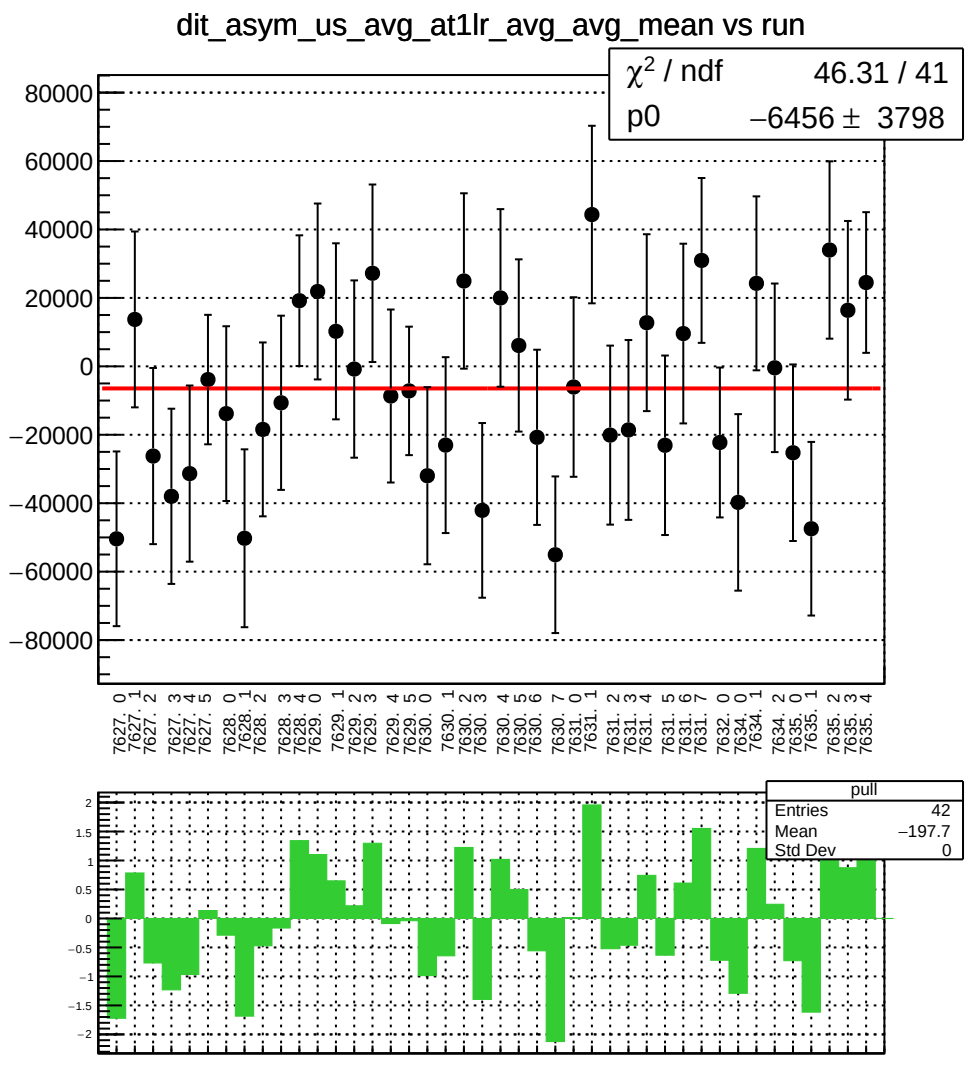
asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run

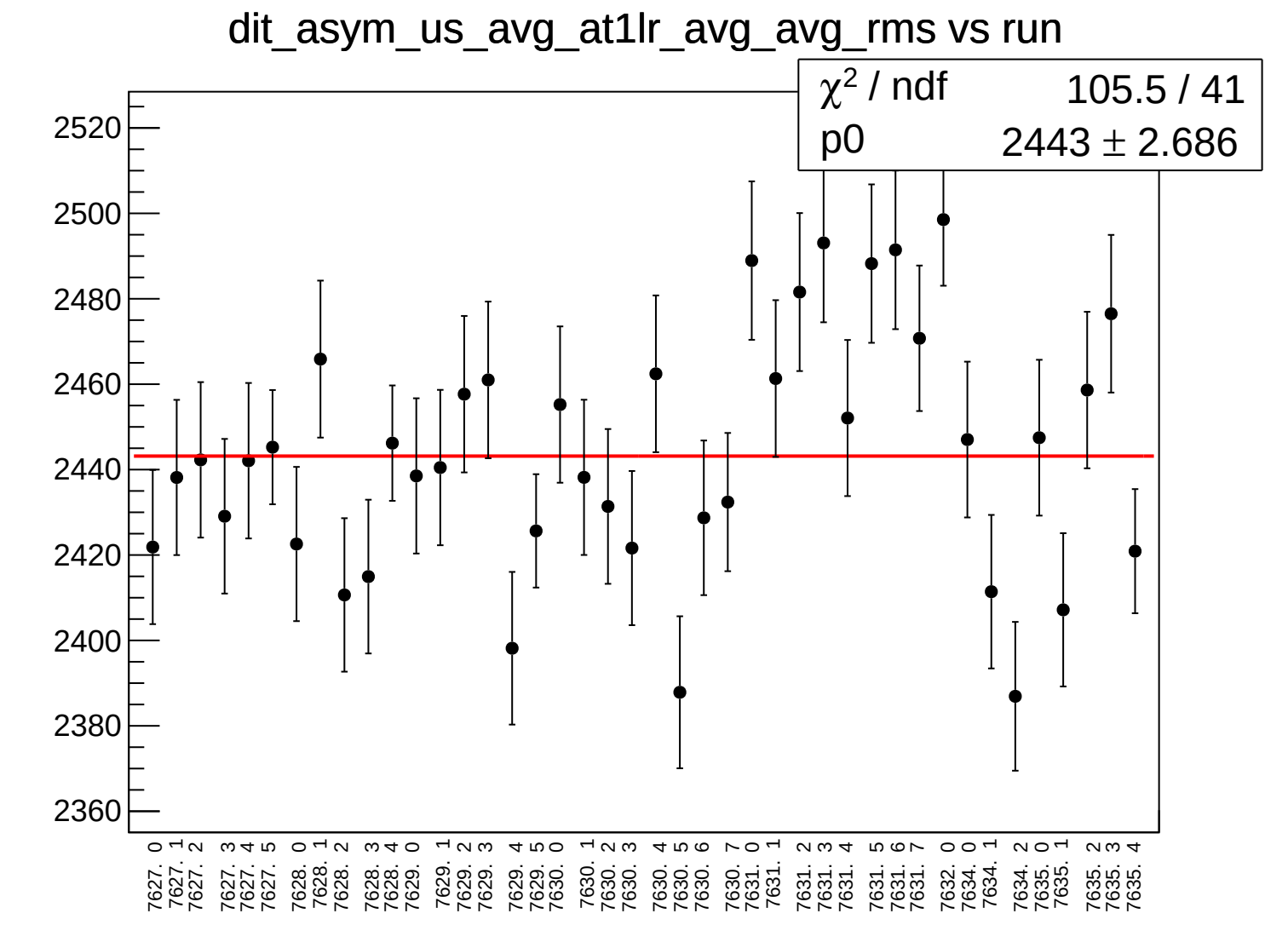


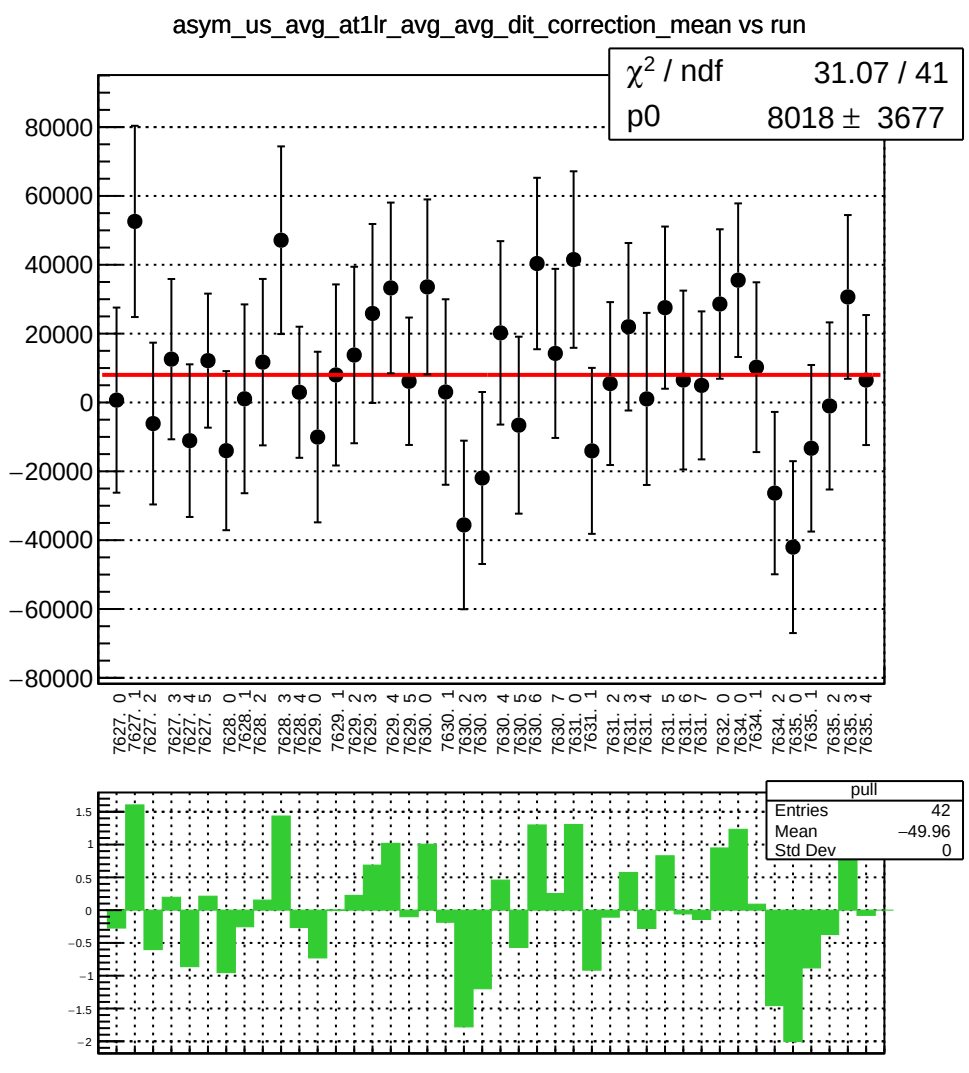


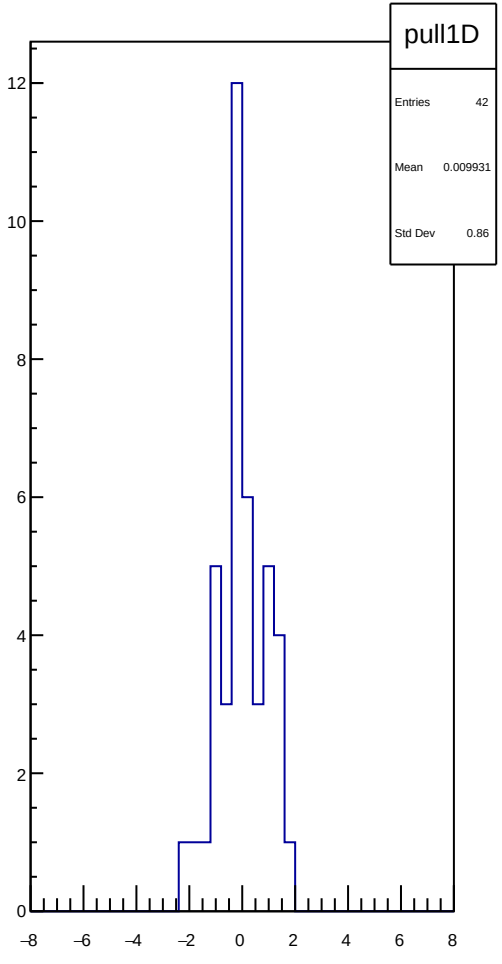


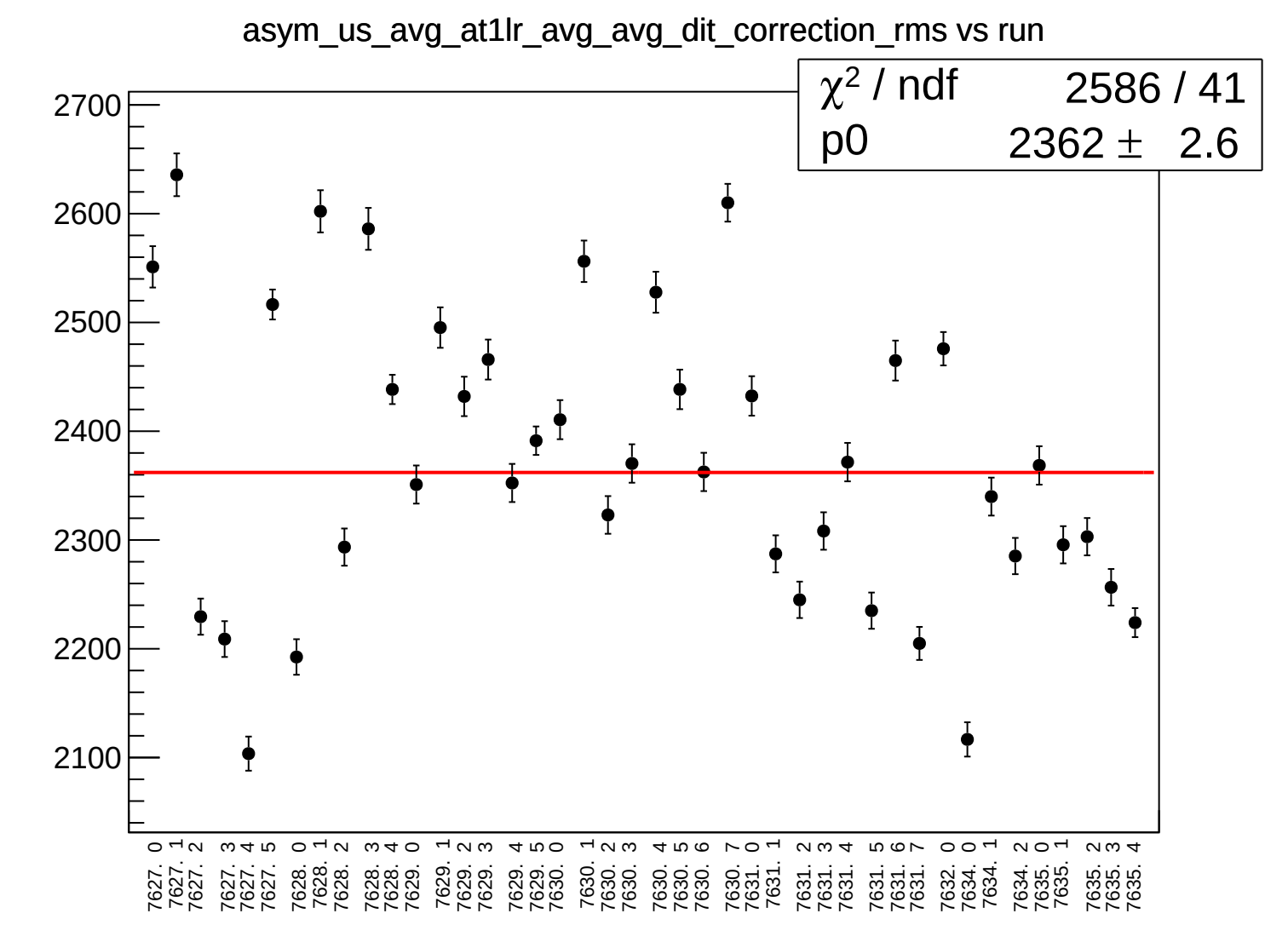

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2774 / 41
p0 2272 ± 2.501
2600
2500
2400
2300
2200
2100
2000
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 46.31 / 41
p0 −6456 ± 3798
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −197.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01318
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 105.5 / 41
p0 2443 ± 2.686
2520
2500
2480
2460
2440
2420
2400
2380
2360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 31.07 / 41
p0 8018 ± 3677
pull
Entries 42
Mean −49.96
Std Dev 0


pull1D
Entries 42
Mean 0.009931
Std Dev 0.86


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2586 / 41
p0 2362 ± 2.6
2700
2600
2500
2400
2300
2200
2100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7634. 1
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7635. 0
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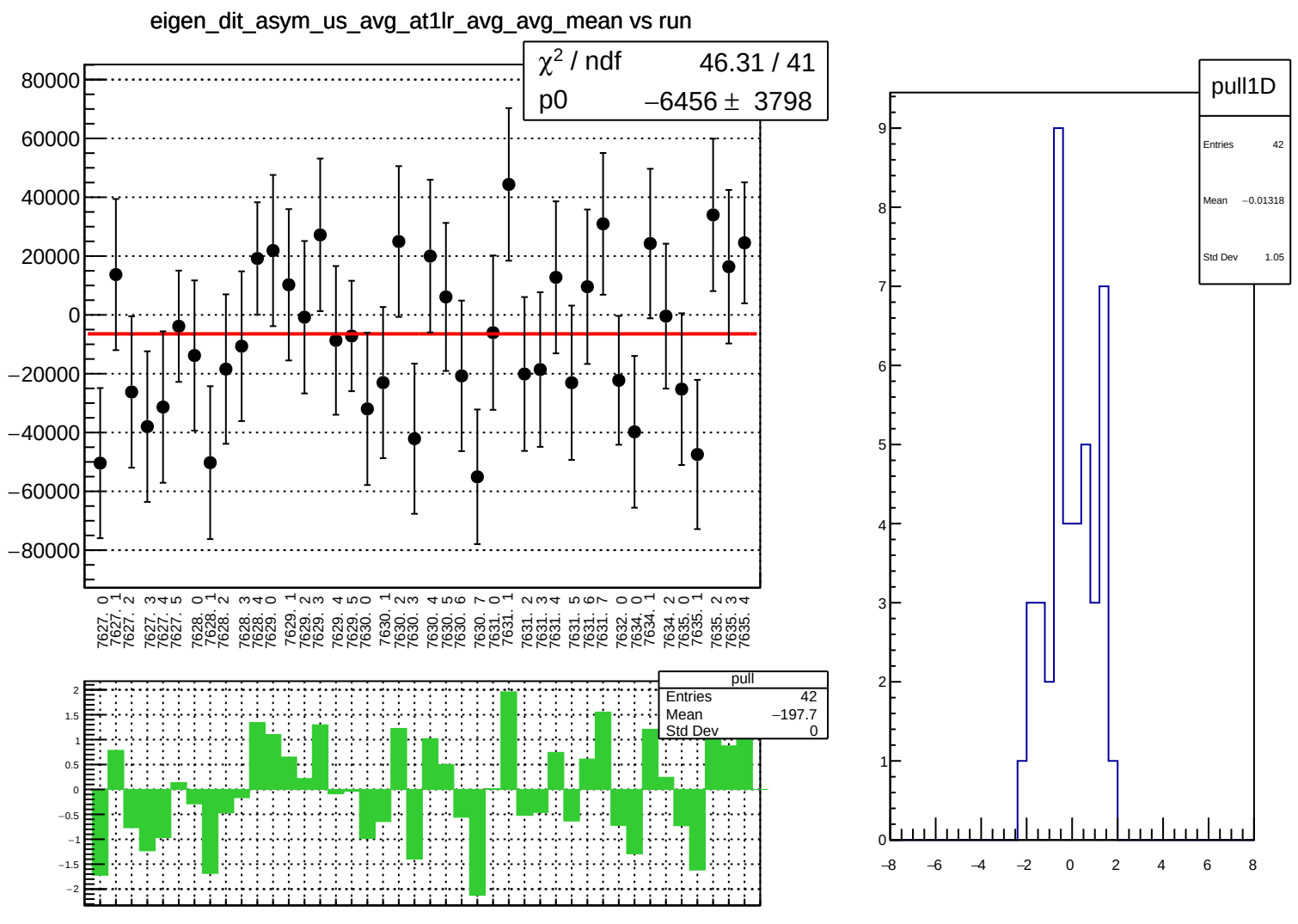
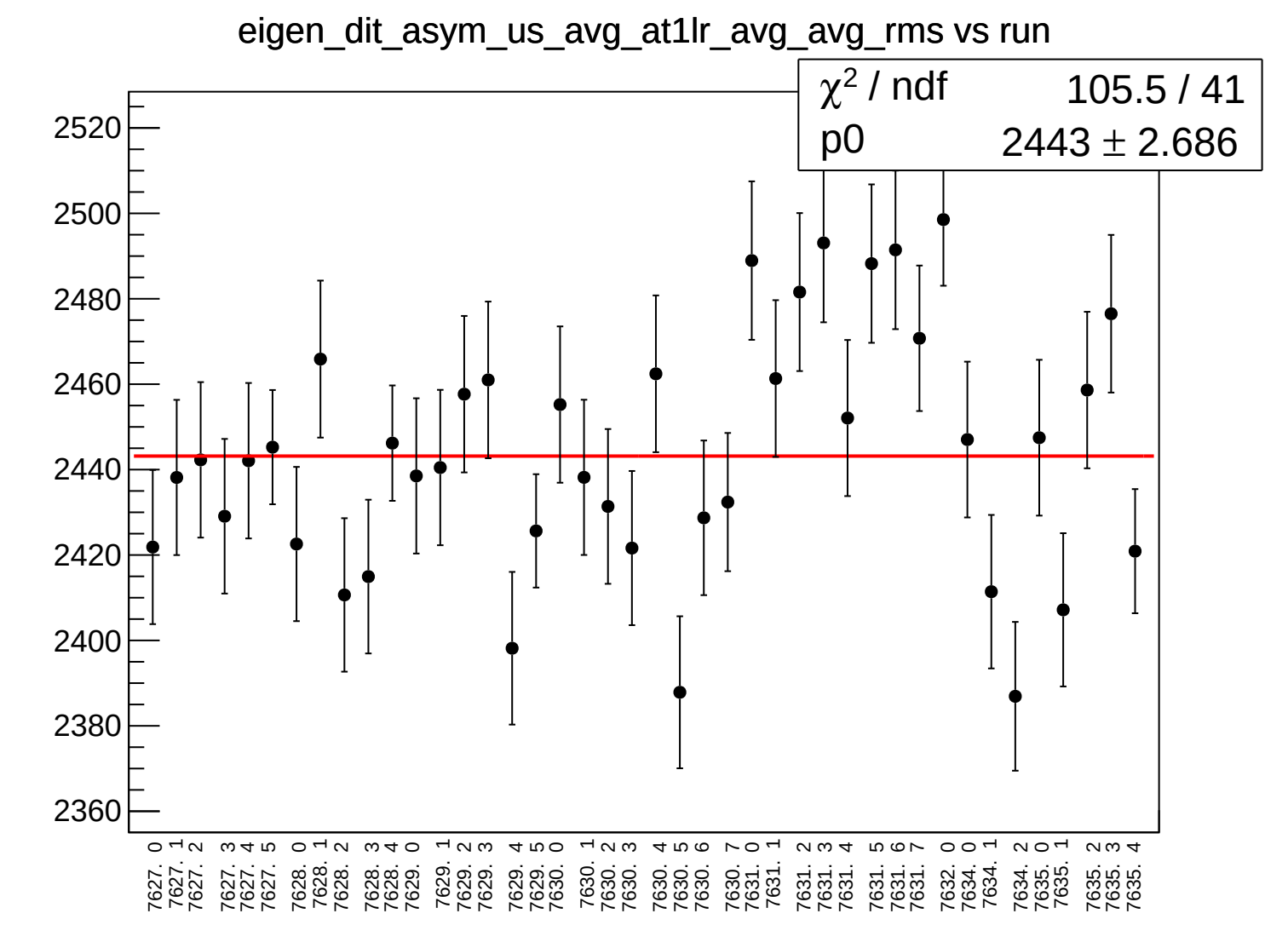
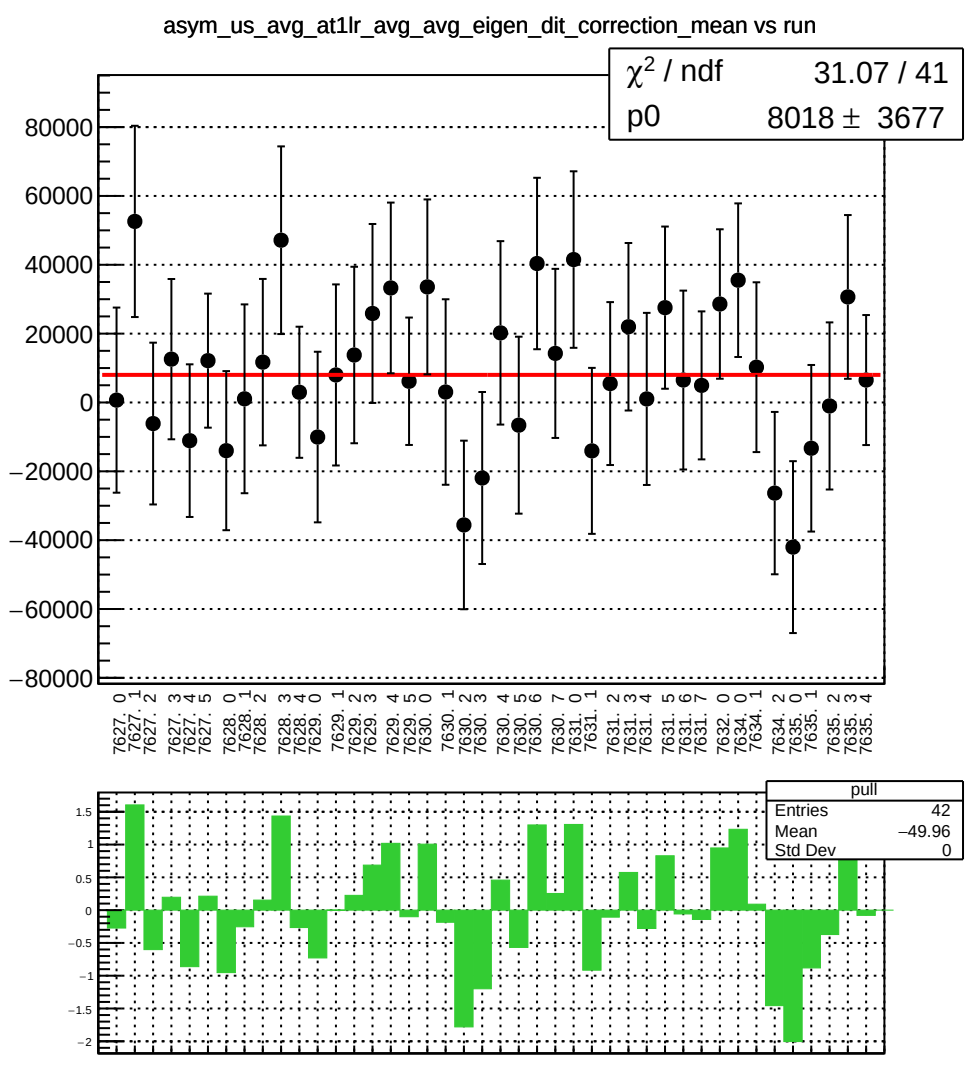
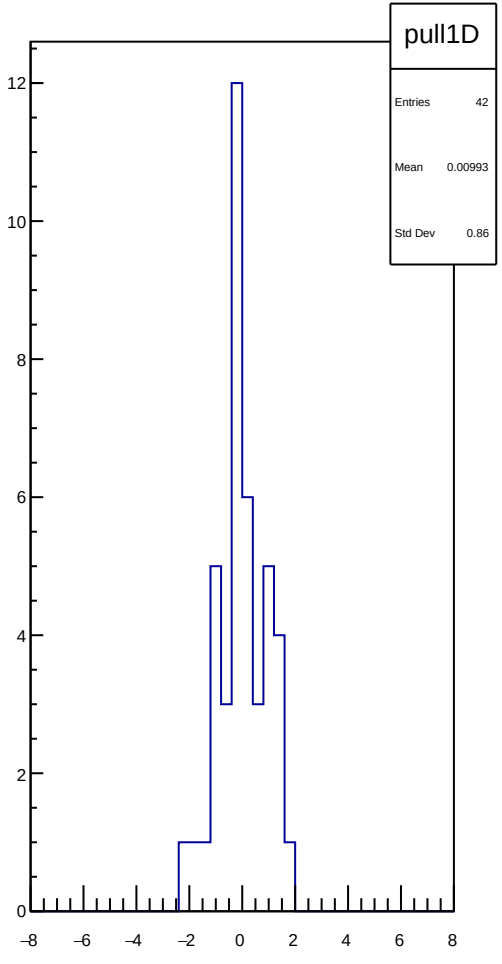
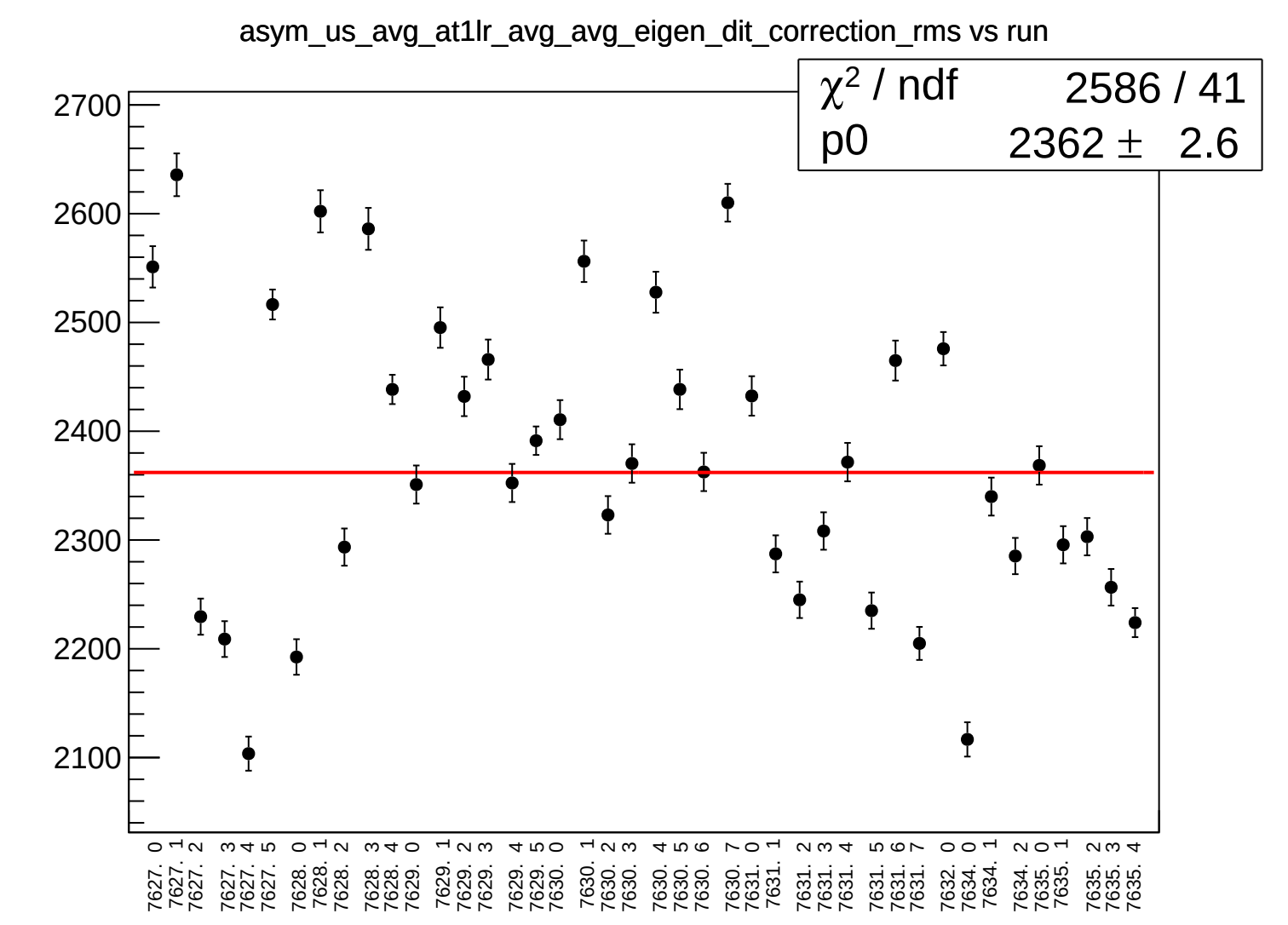
7635. 3
7635. 4

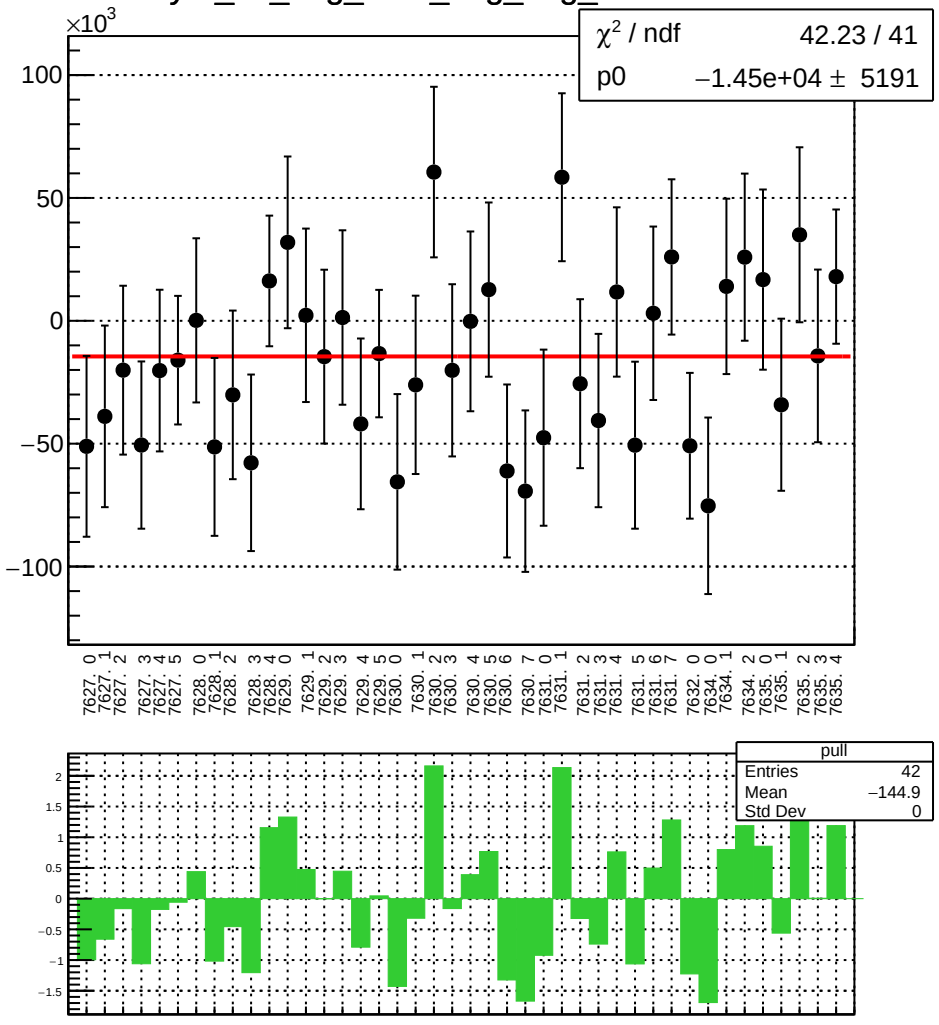

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 46.31 / 41
p0 −6456 ± 3798
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −197.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01318
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

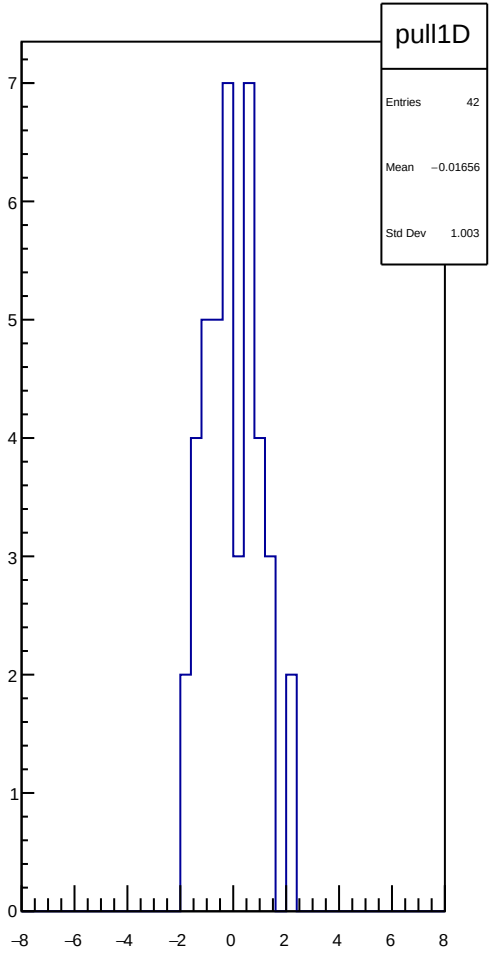

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 105.5 / 41
p0 2443 ± 2.686
2520
2500
2480
2460
2440
2420
2400
2380
2360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

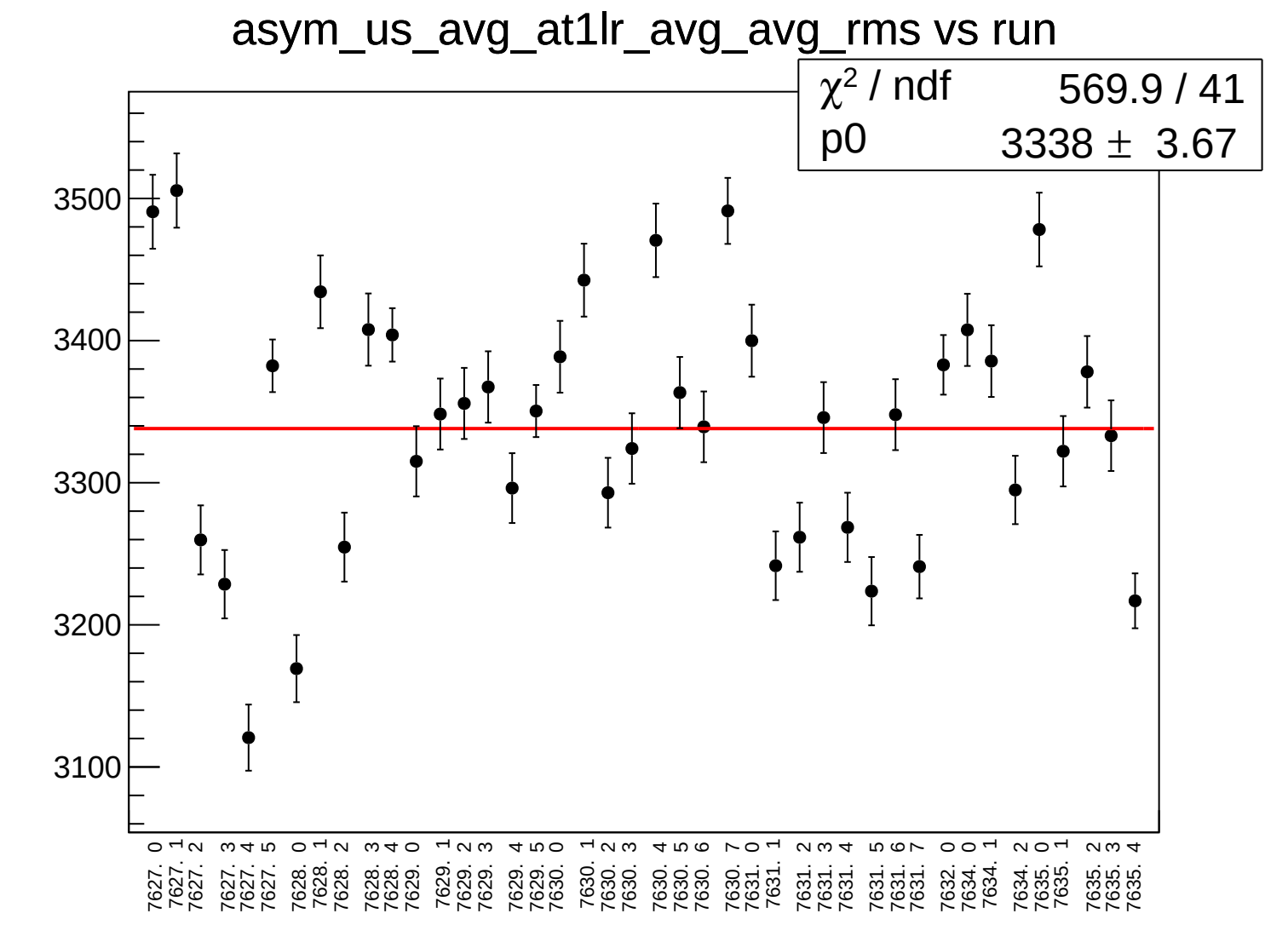

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.07 / 41
p0 8018 ± 3677
pull
Entries 42
Mean −49.96
Std Dev 0

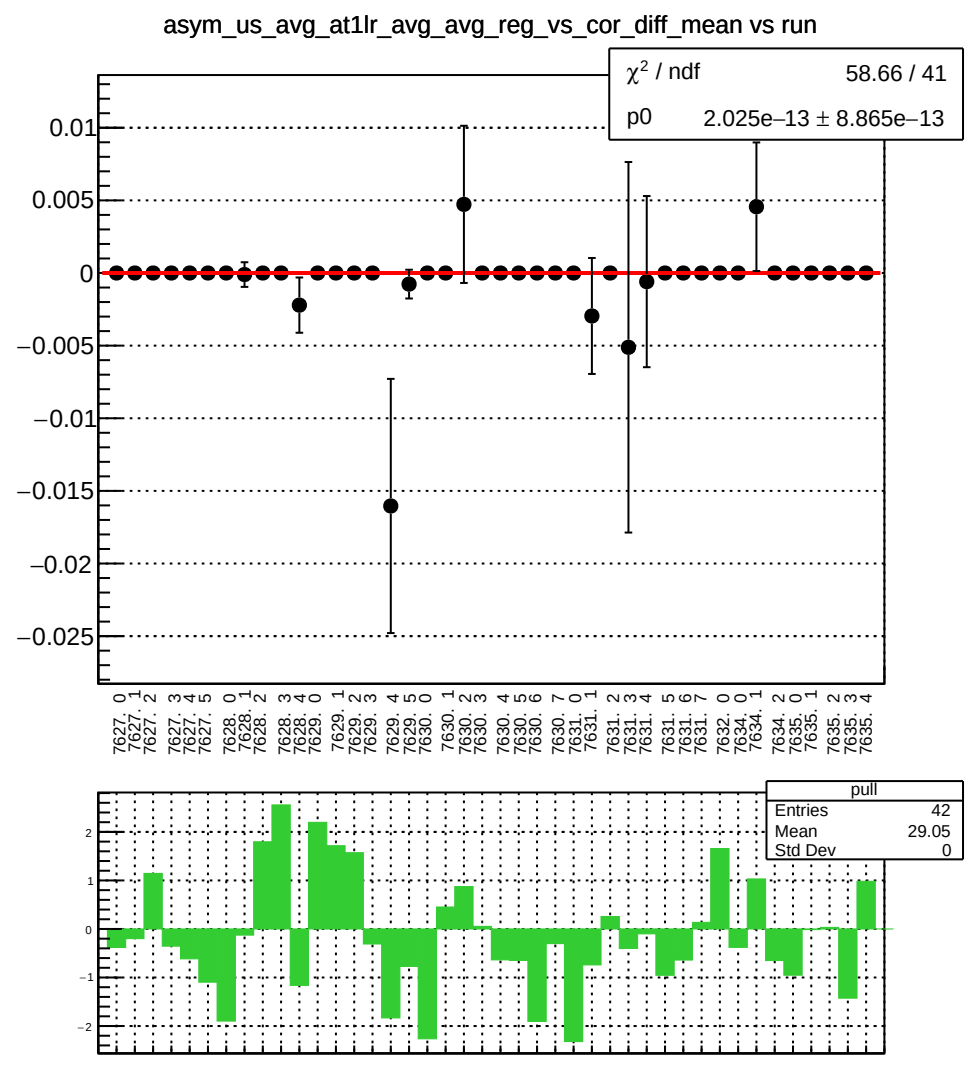

pull1D
Entries 42
Mean 0.00993
Std Dev 0.86

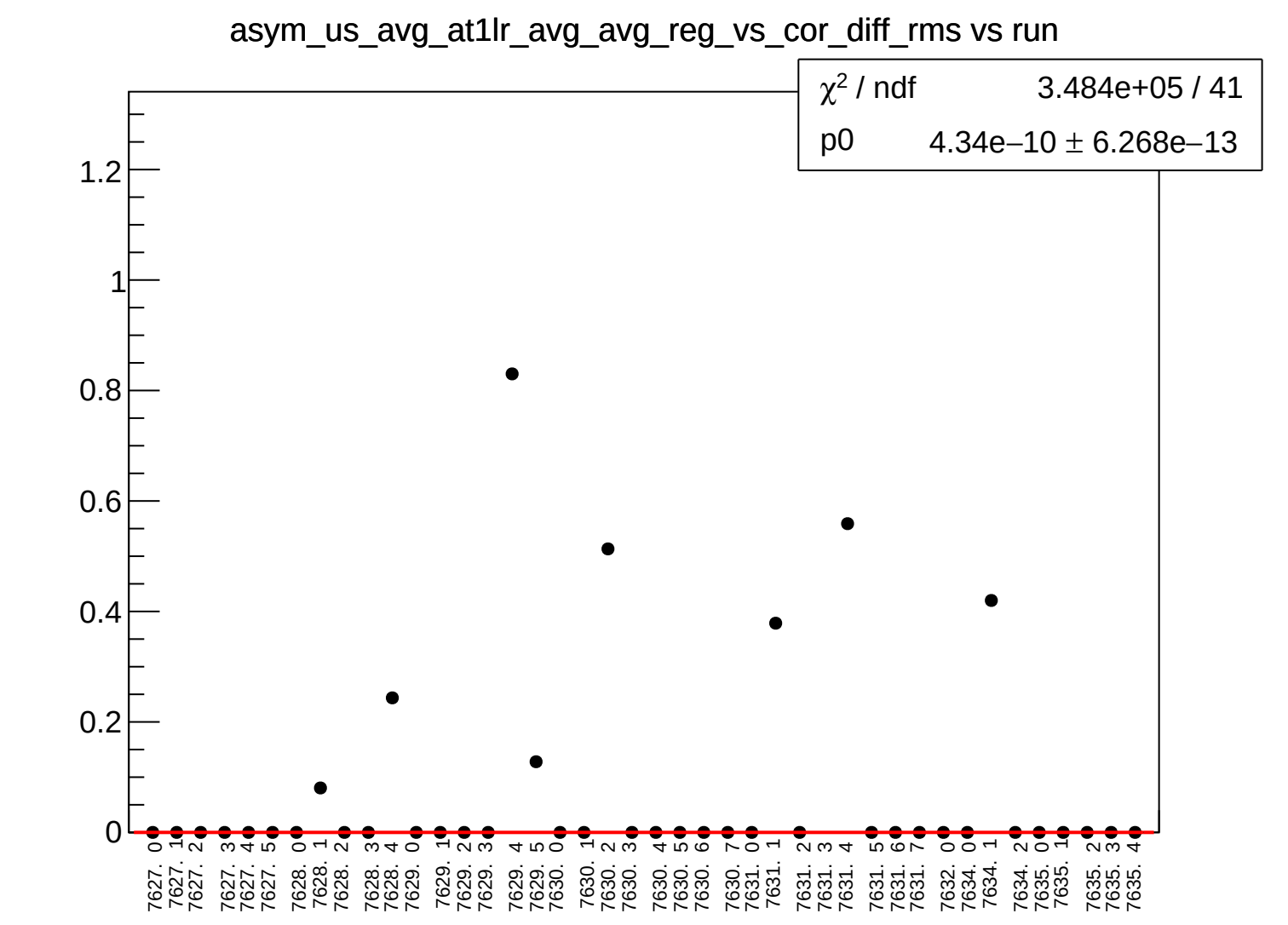

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2586 / 41
p0 2362 ± 2.6
2700
2600
2500
2400
2300
2200
2100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

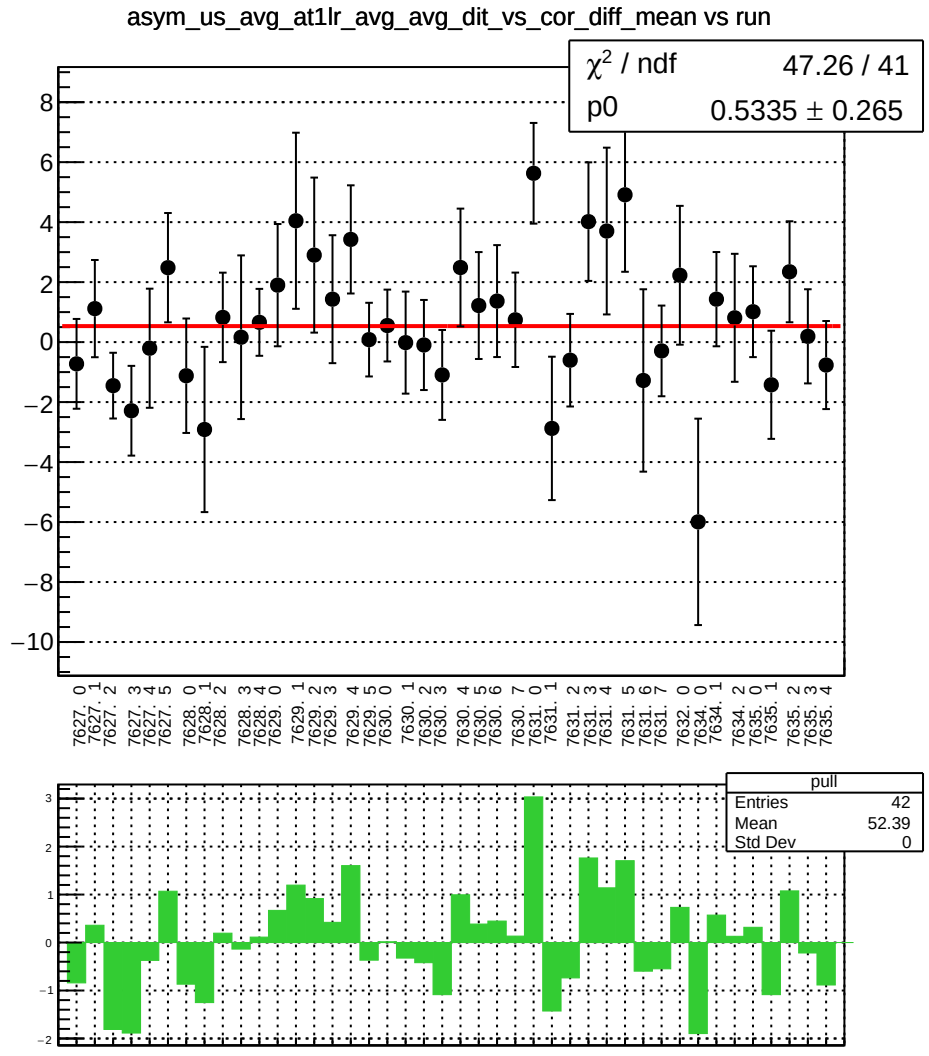

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 42.23 / 41
p0 −1.45e+04 ± 5191
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −144.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

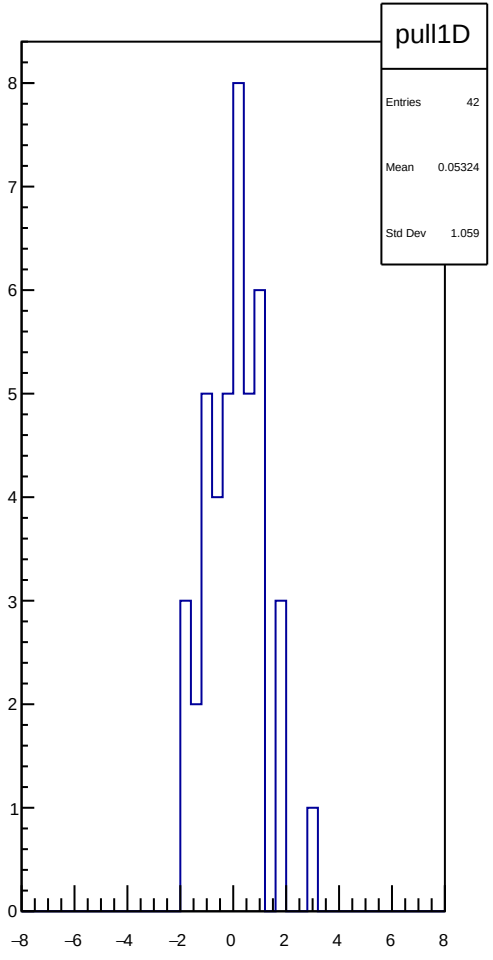

pull1D
Entries 42
Mean −0.01656
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

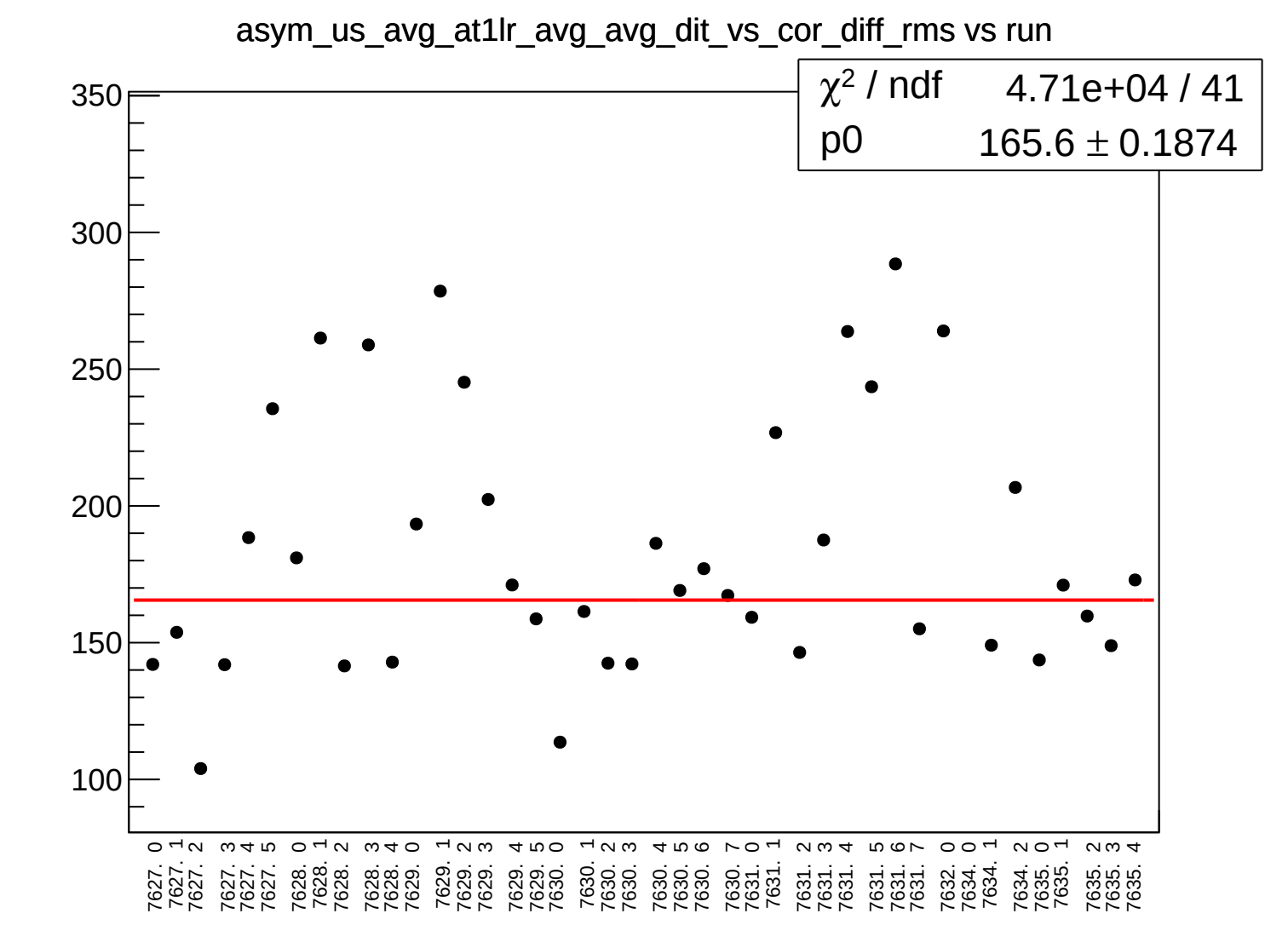

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 569.9 / 41
p0 3338 ± 3.67
3500
3400
3300
3200
3100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

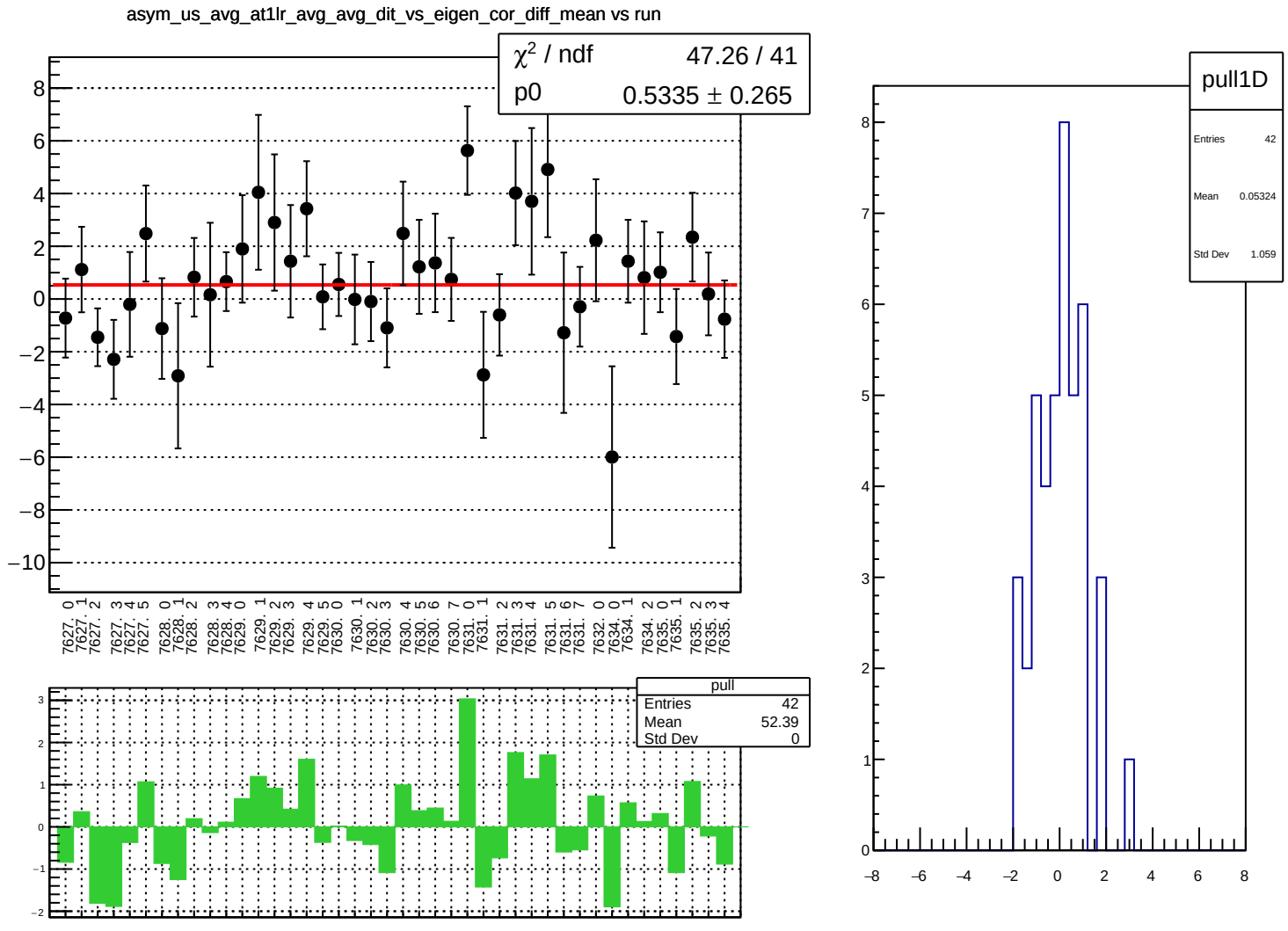

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 58.66 / 41
p0 2.025e−13 ± 8.865e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 29.05
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.1578
Std Dev 1.171
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

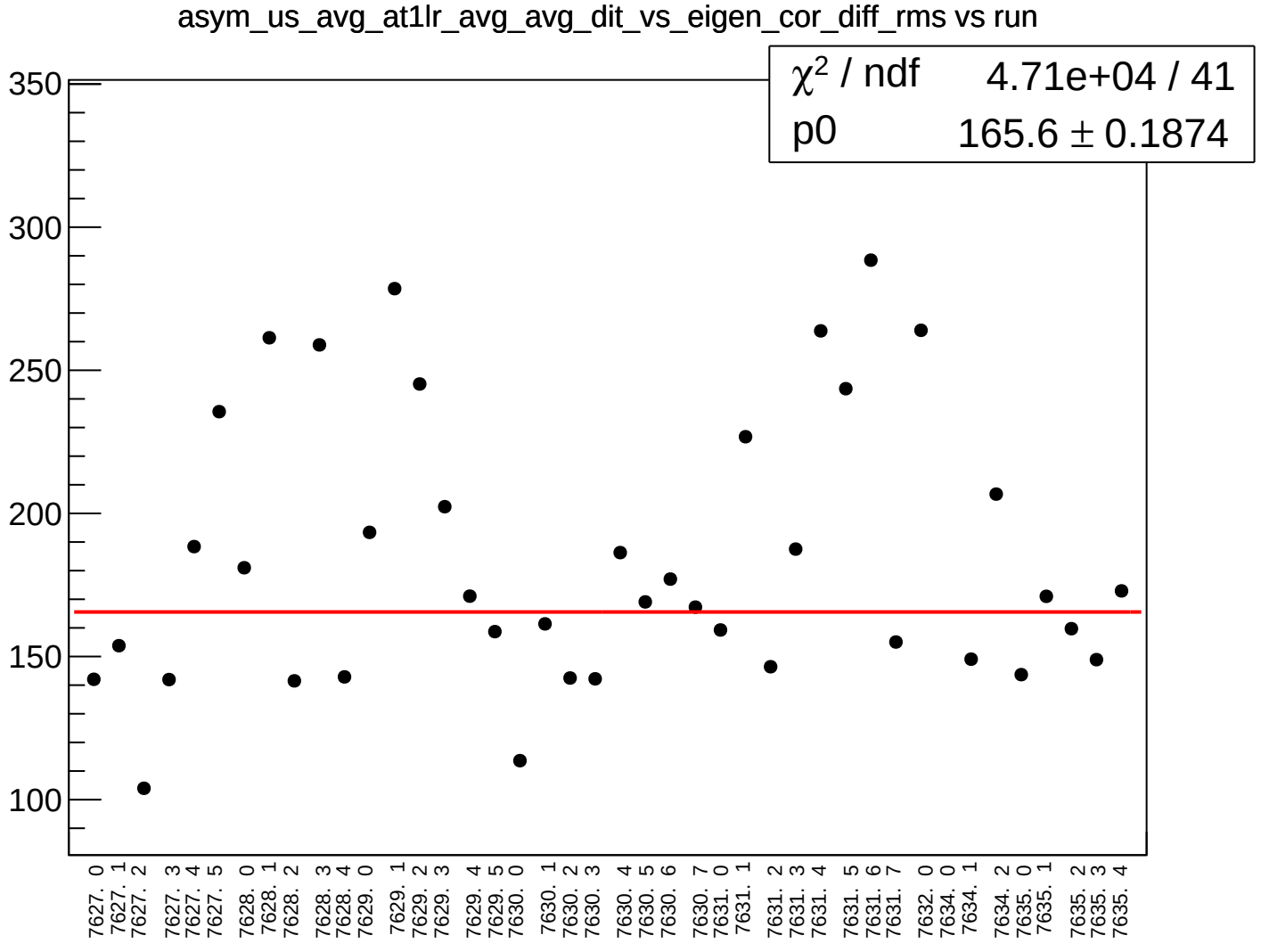

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.484e+05 / 41
p0 4.34e−10 ± 6.268e−13
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

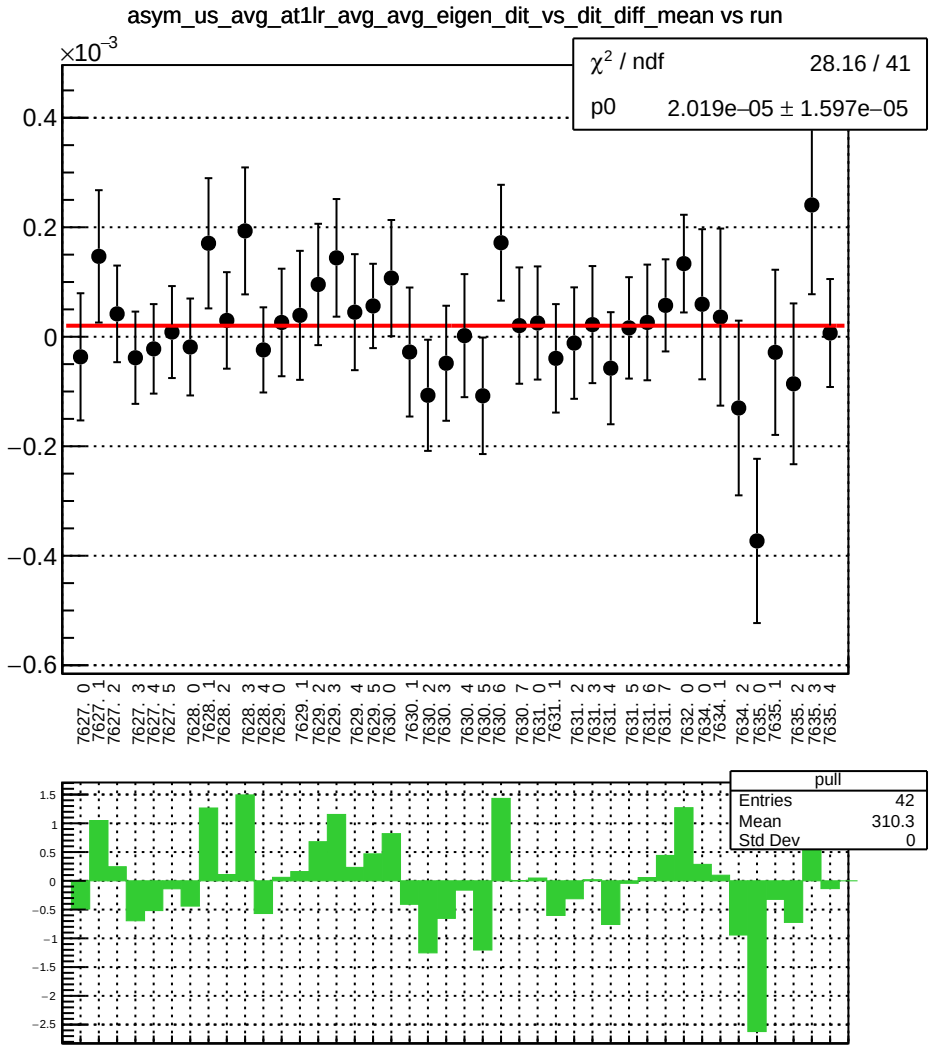

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.26 / 41
p0 0.5335 ± 0.265
pull
Entries 42
Mean 52.39
Std Dev 0

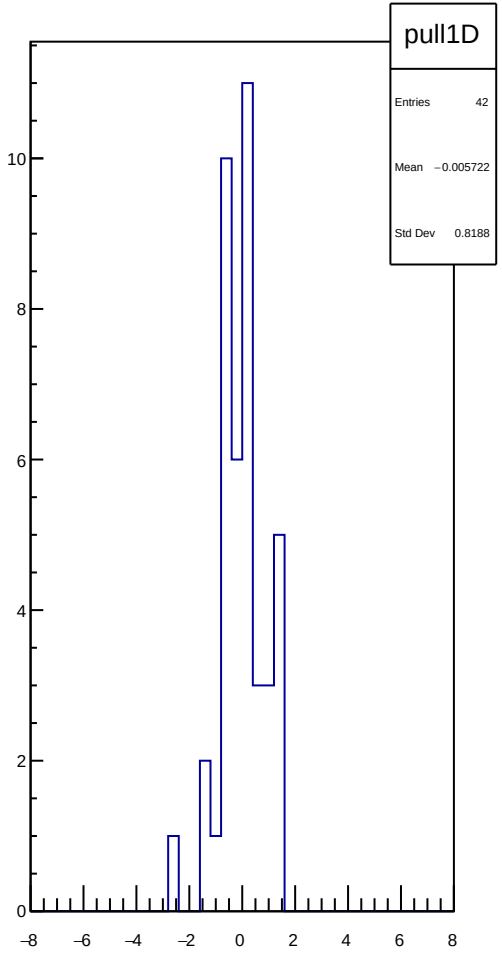

pull1D
Entries 42
Mean 0.05324
Std Dev 1.059

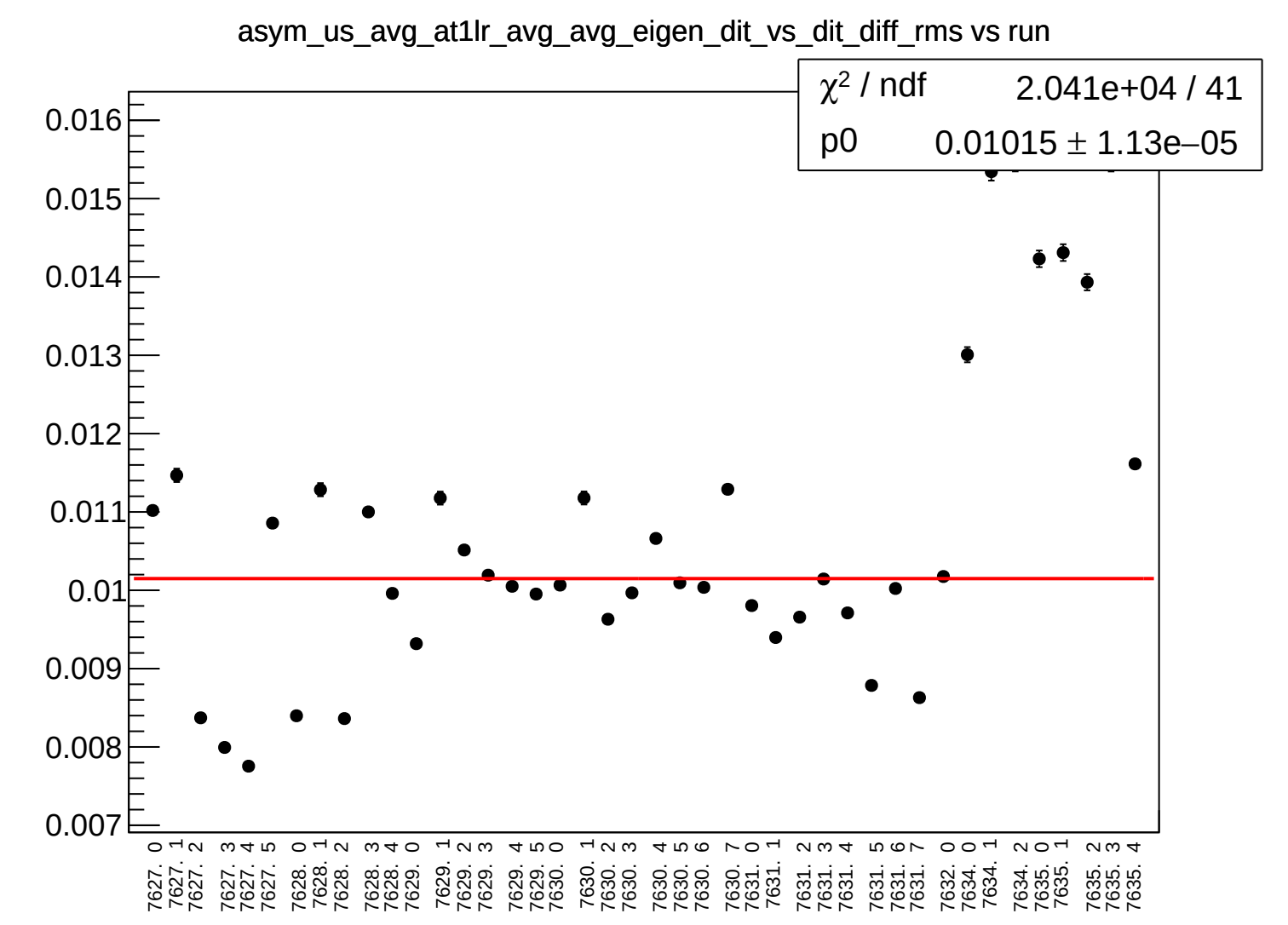

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.71e+04 / 41
p0 165.6 ± 0.1874
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

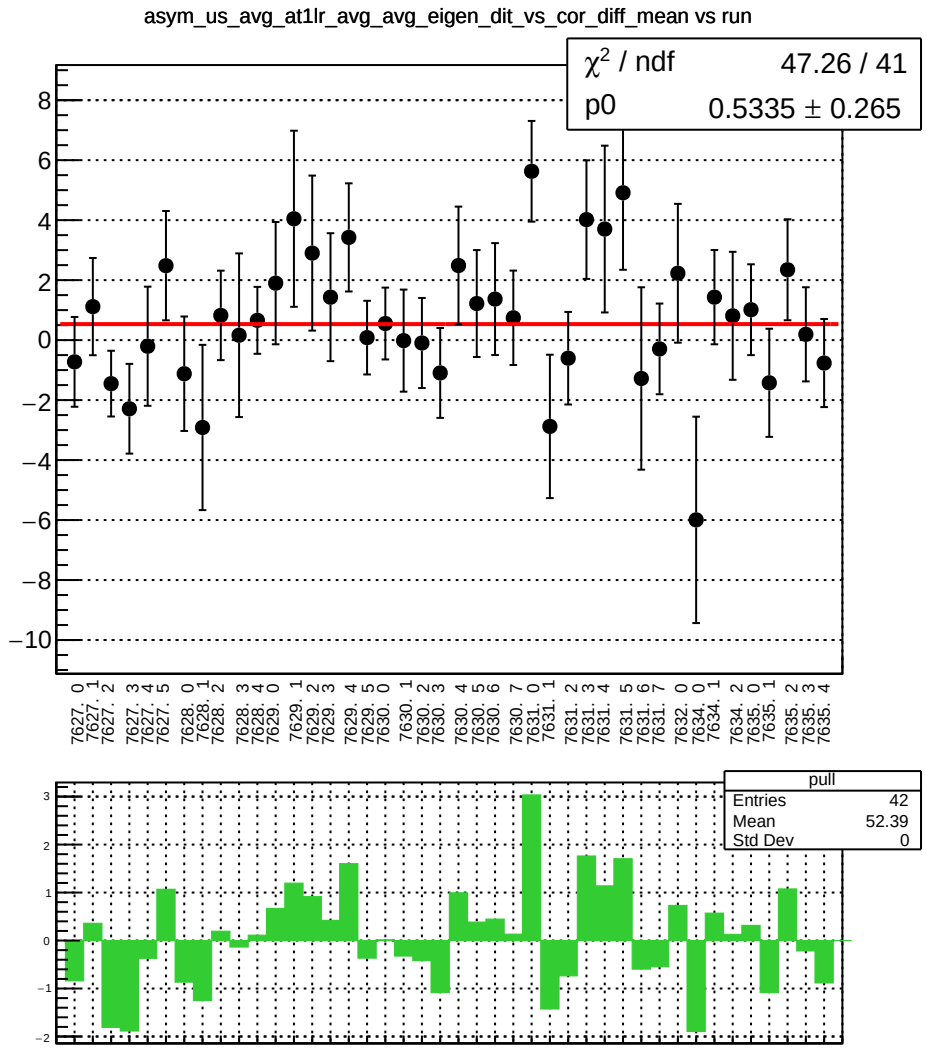

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.26 / 41
p0 0.5335 ± 0.265
pull
Entries 42
Mean 52.39
Std Dev 0
pull1D
Entries 42
Mean 0.05324
Std Dev 1.059

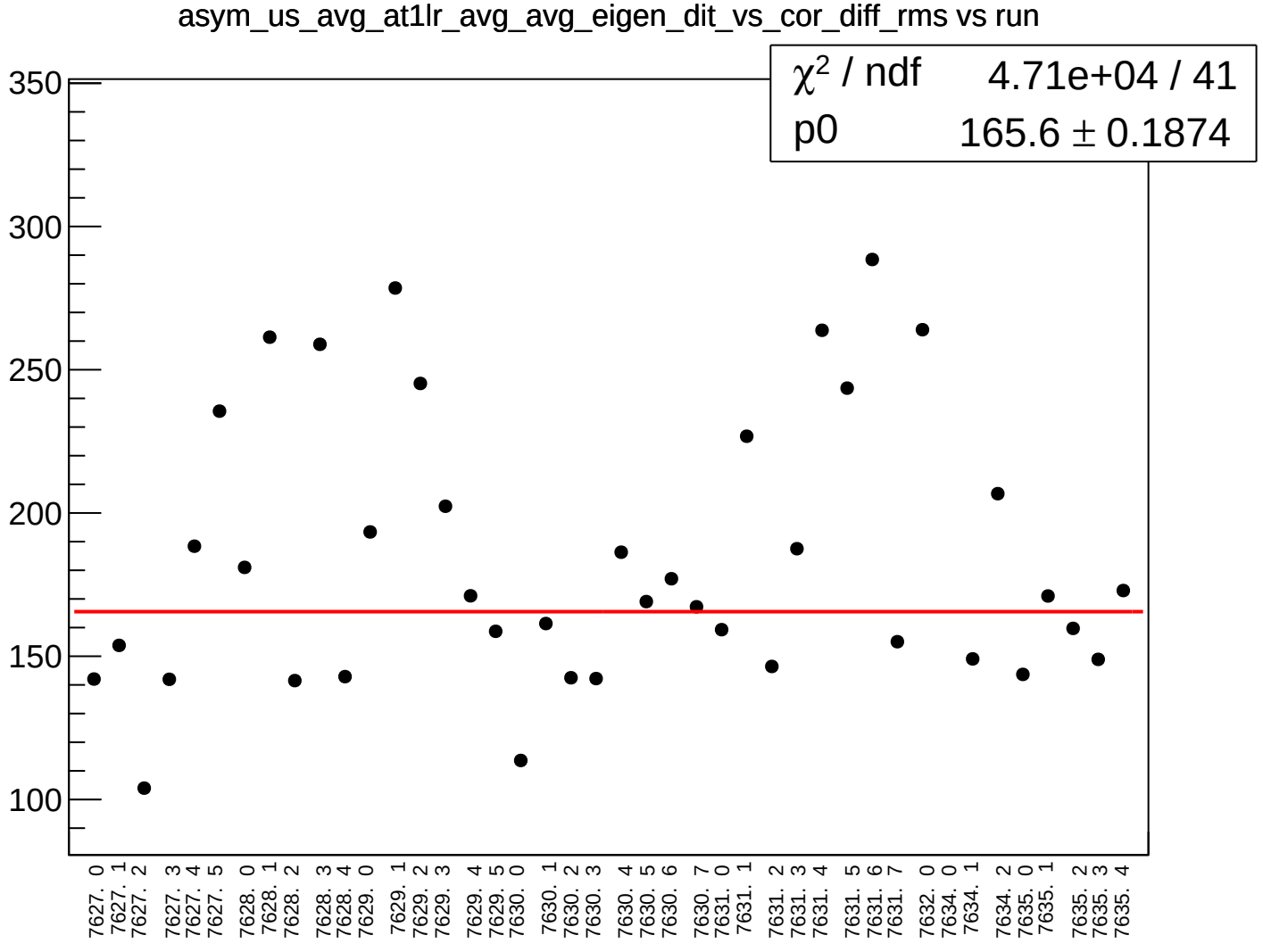

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.71e+04 / 41
p0 165.6 ± 0.1874
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

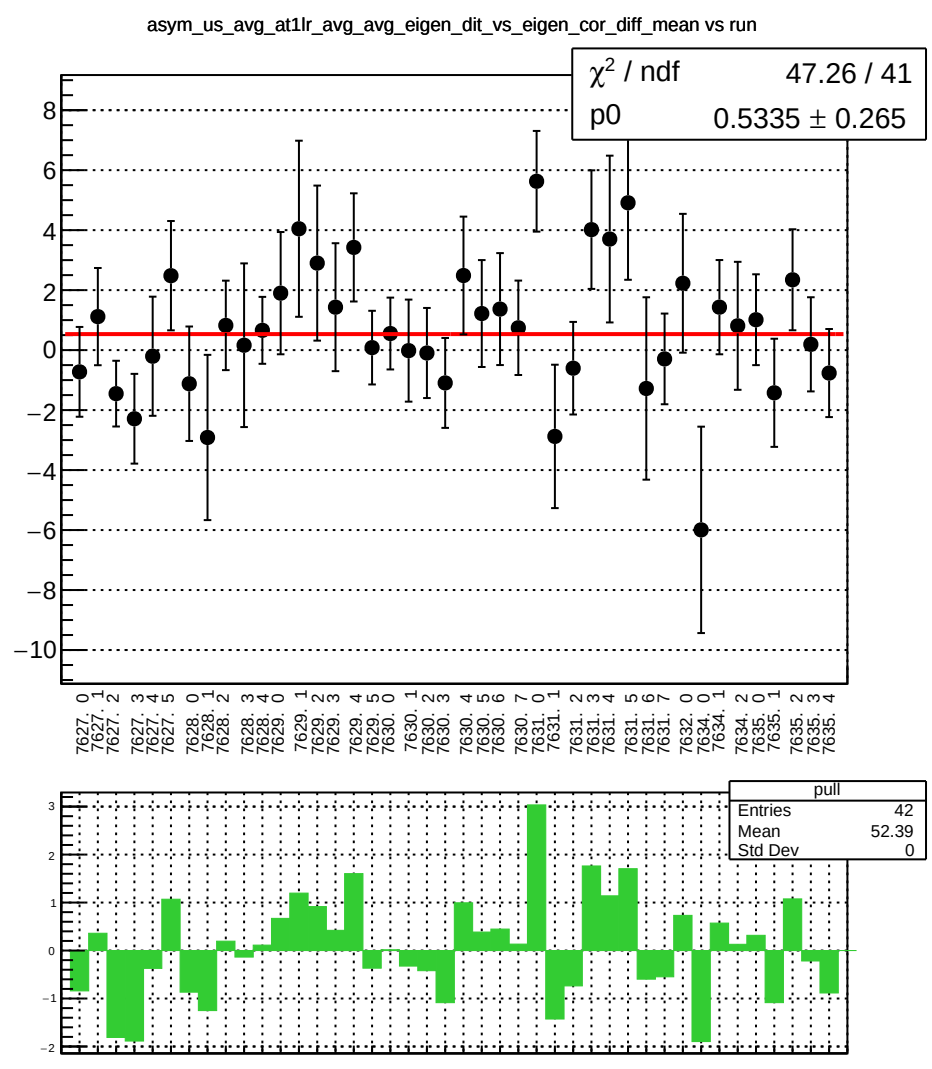

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 28.16 / 41
p0 2.019e−05 ± 1.597e−05
0.4
0.2
0
−0.2
−0.4
−0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 310.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

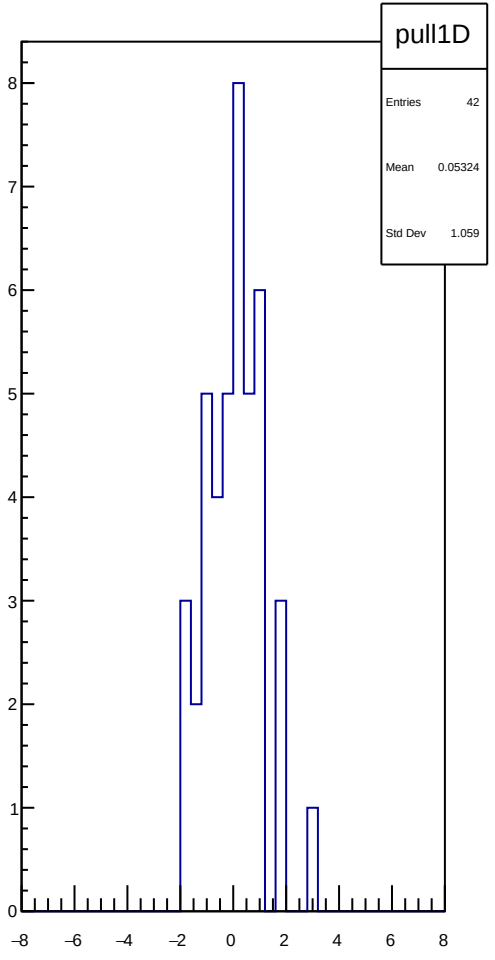

pull1D
Entries 42
Mean −0.005722
Std Dev 0.8188
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

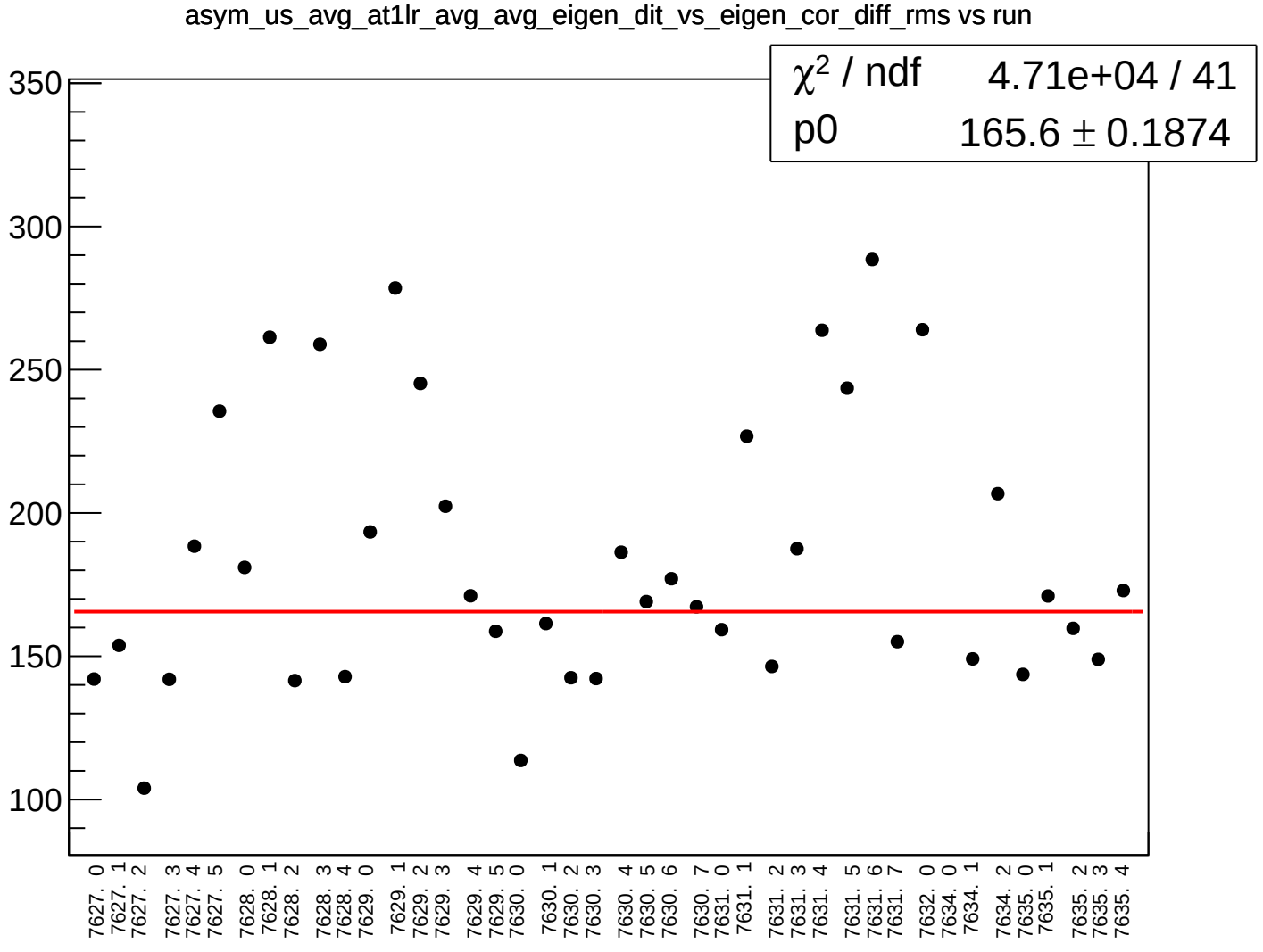

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.041e+04 / 41
p0 0.01015 ± 1.13e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

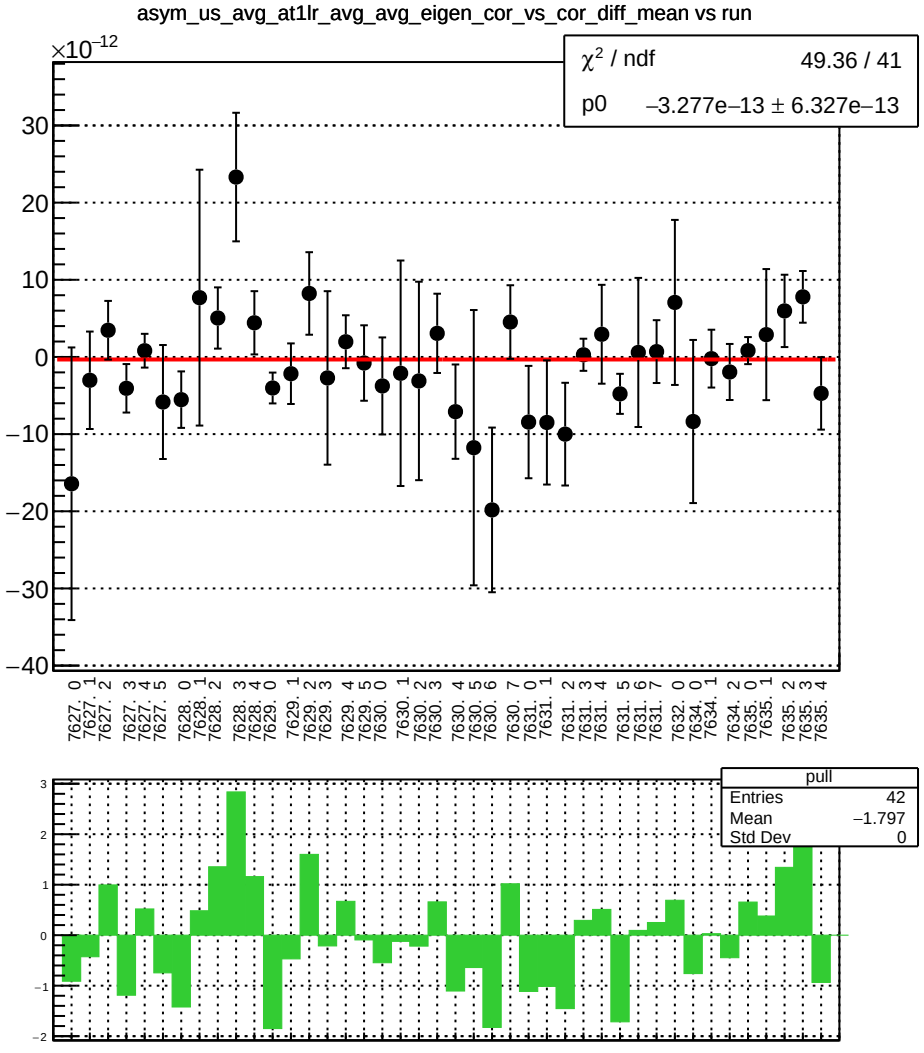

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.26 / 41
p0 0.5335 ± 0.265
pull
Entries 42
Mean 52.39
Std Dev 0
pull1D
Entries 42
Mean 0.05324
Std Dev 1.059

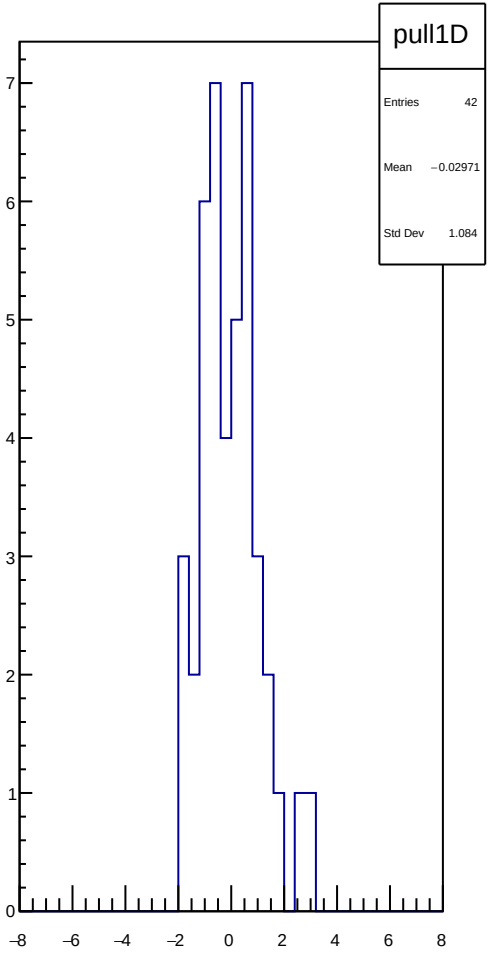

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.71e+04 / 41
p0 165.6 ± 0.1874
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

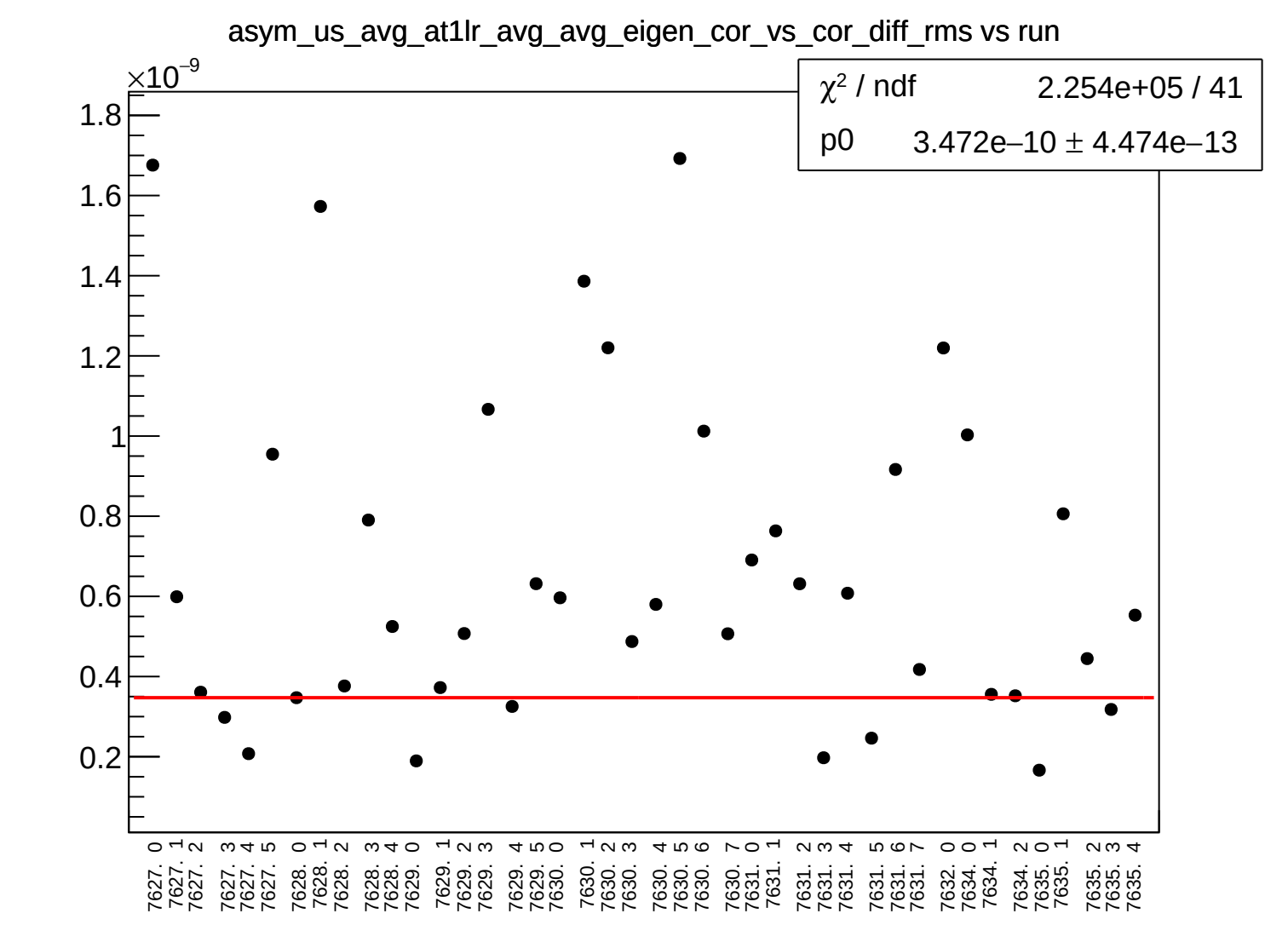

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.26 / 41
p0 0.5335 ± 0.265
pull
Entries 42
Mean 52.39
Std Dev 0

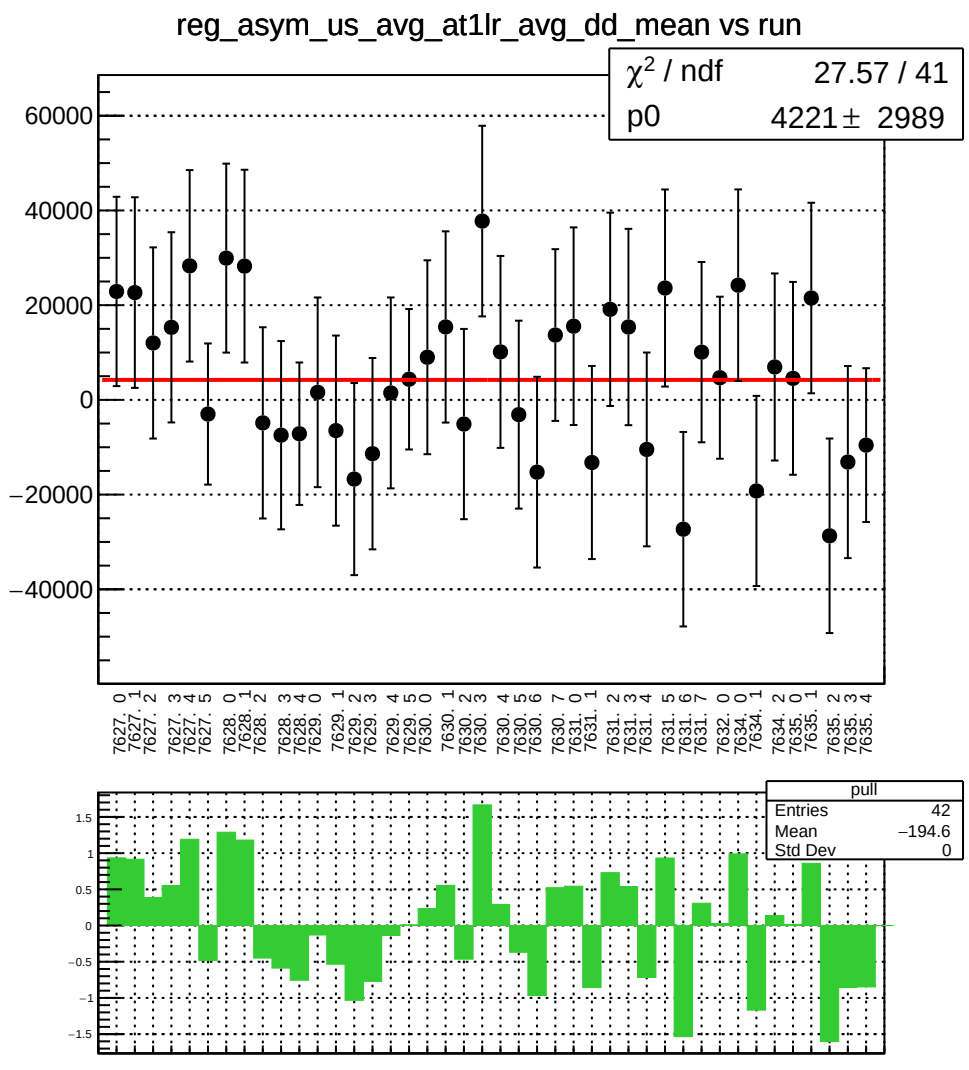

pull1D
Entries 42
Mean 0.05324
Std Dev 1.059

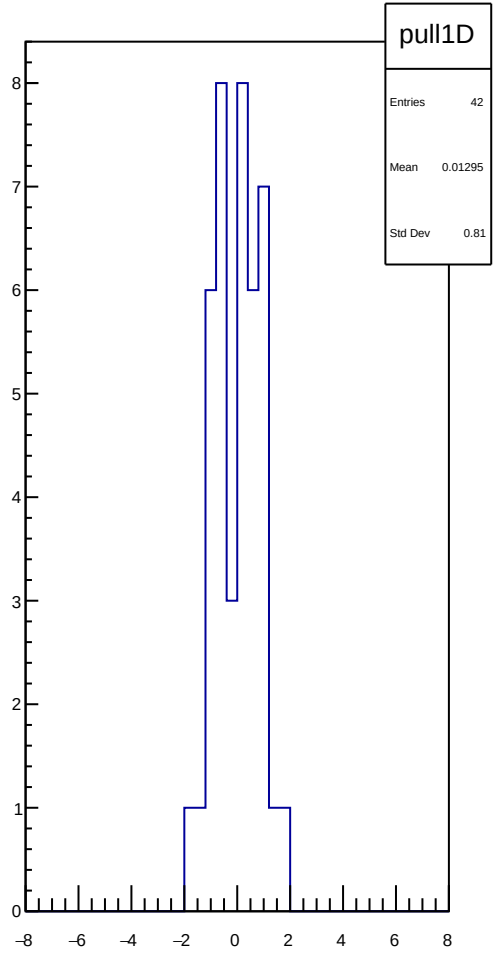

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 4.71e+04 / 41
p0 165.6 ± 0.1874
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

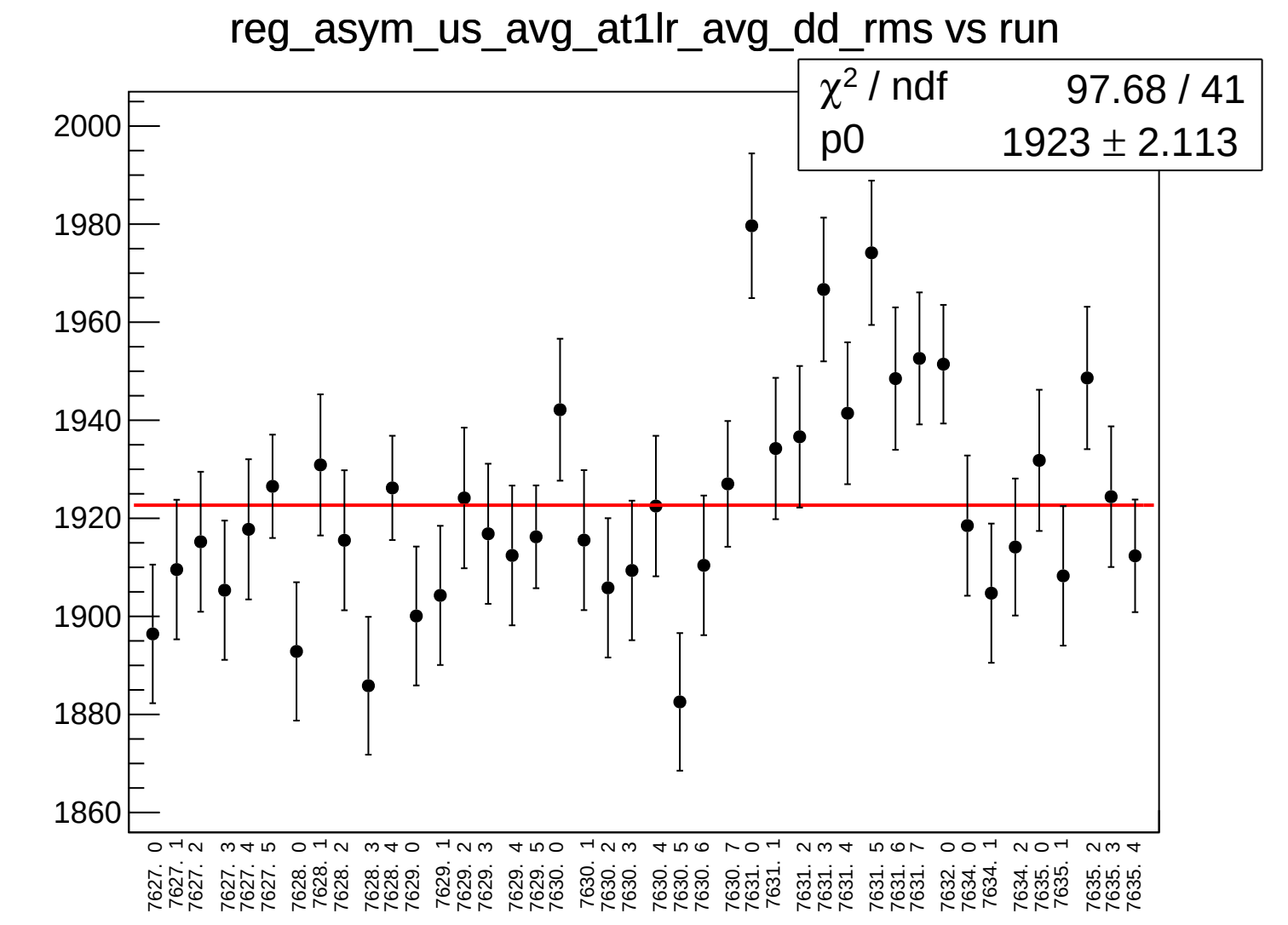

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.36 / 41
p0 −3.277e−13 ± 6.327e−13
pull
Entries 42
Mean −1.797
Std Dev 0

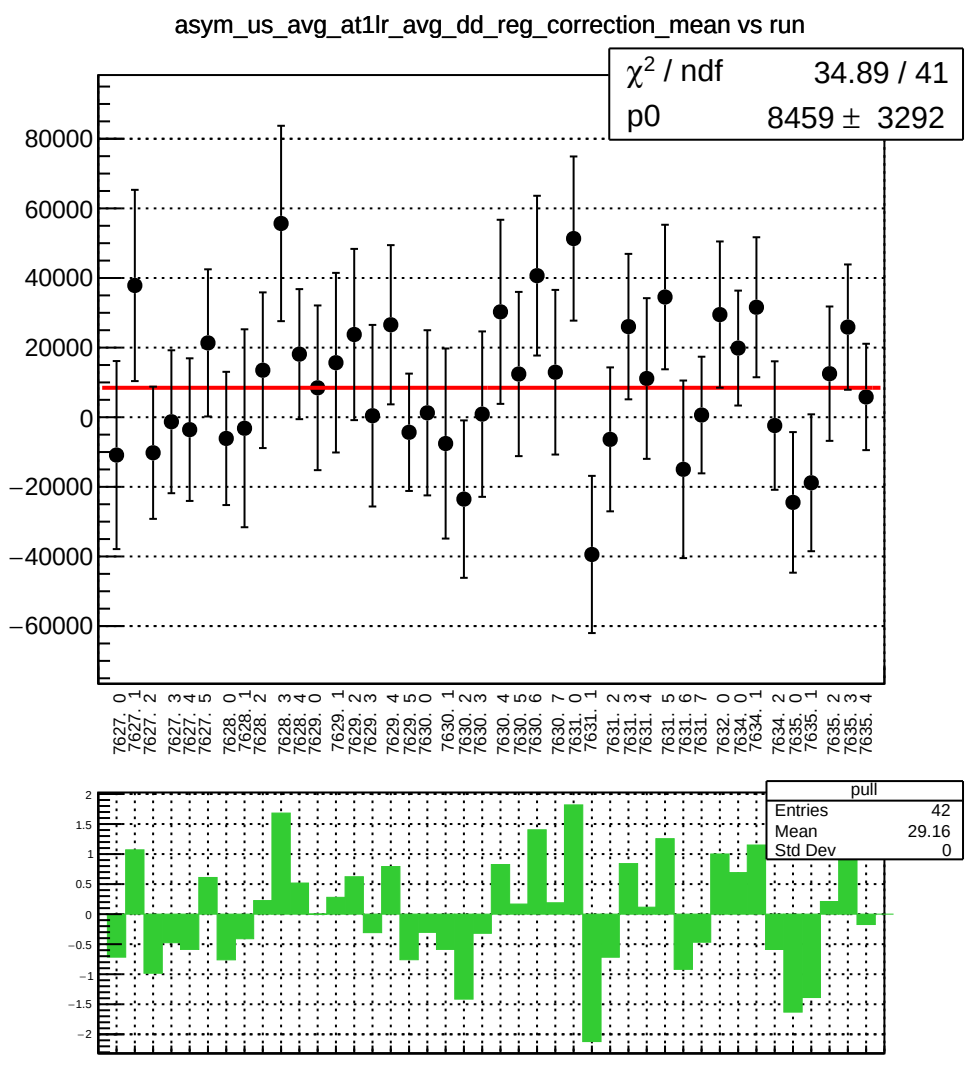

pull1D
Entries 42
Mean −0.02971
Std Dev 1.084

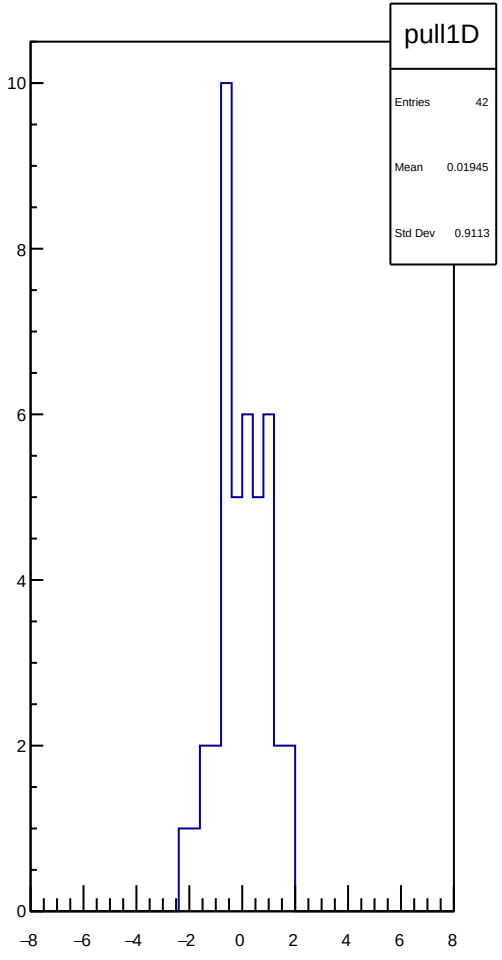

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.254e+05 / 41
p0 3.472e−10 ± 4.474e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

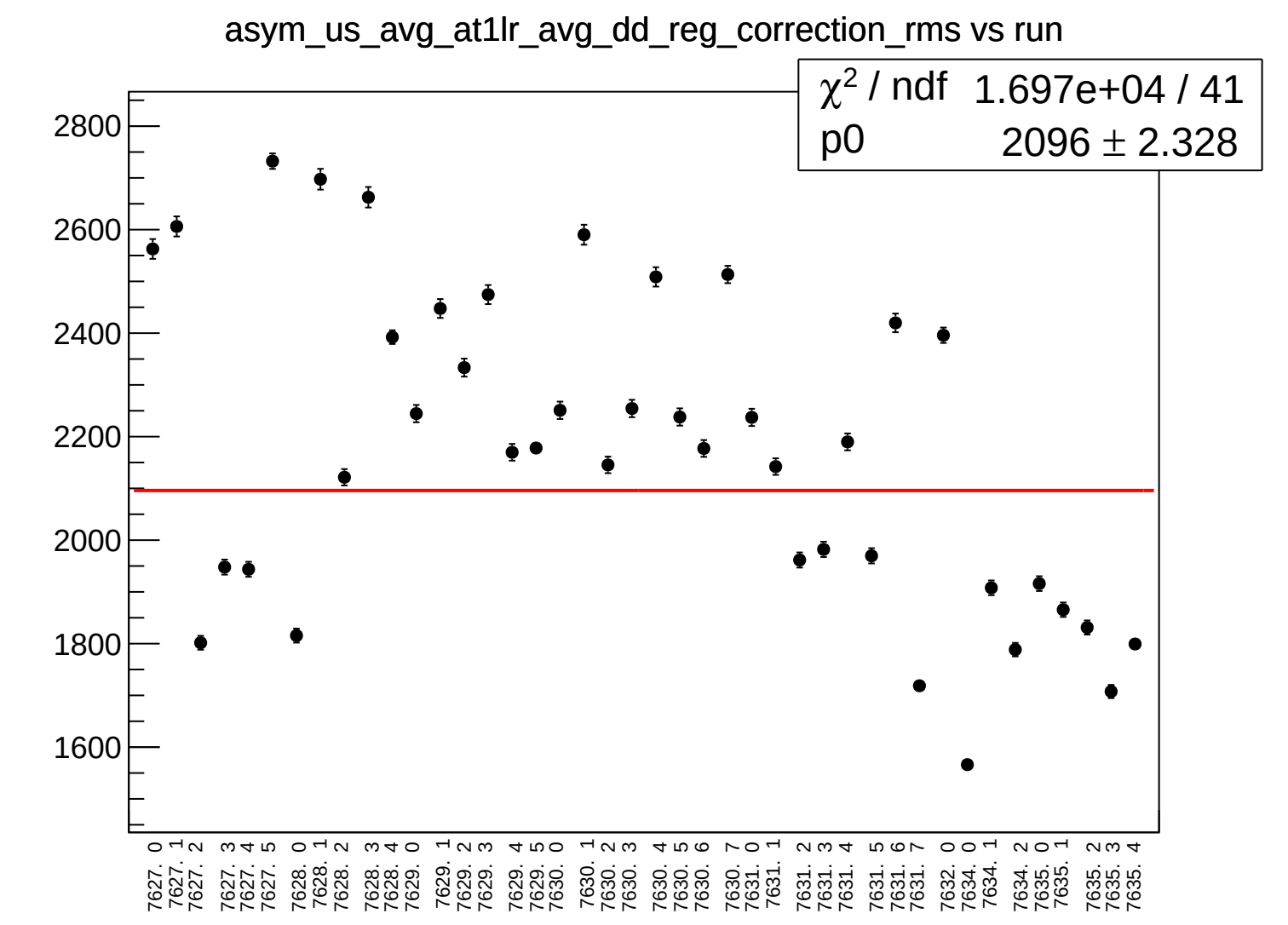

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 27.57 / 41
p0 4221 ± 2989
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −194.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

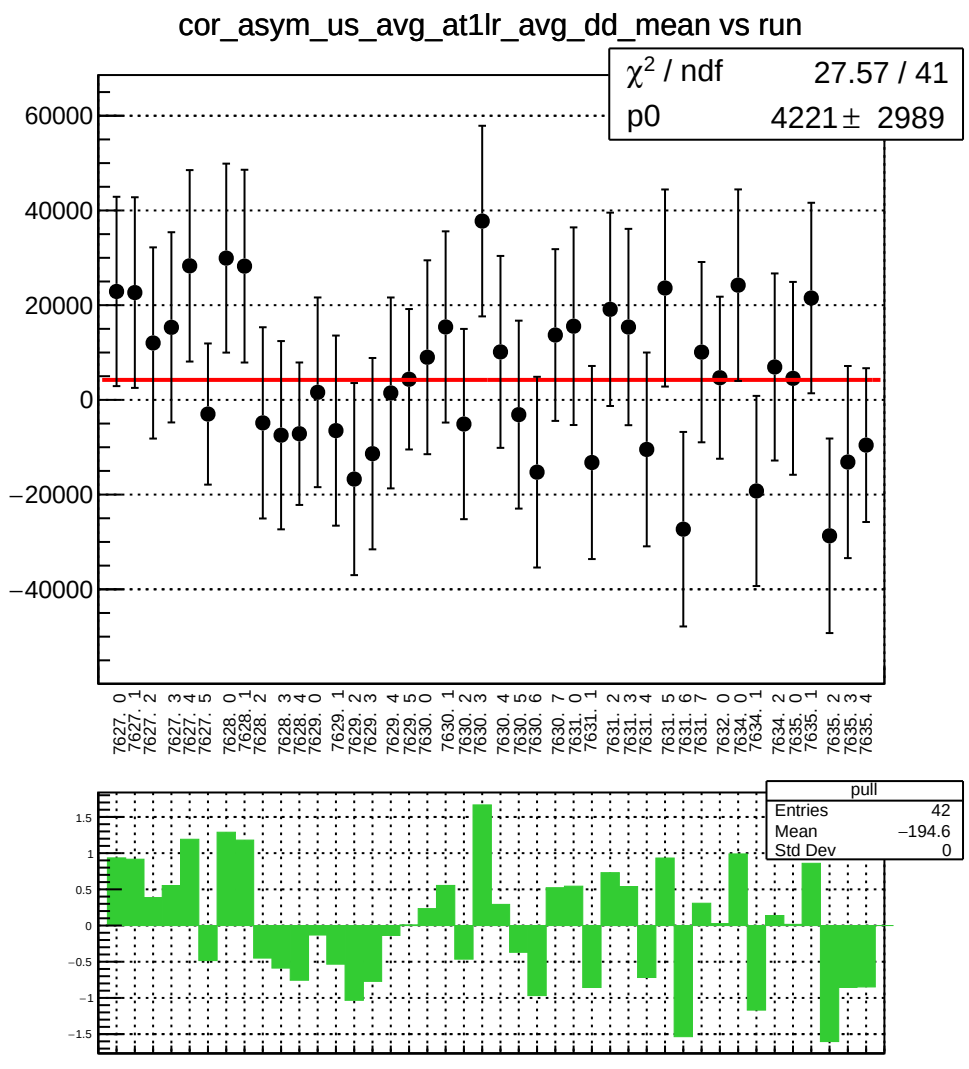

pull1D
Entries 42
Mean 0.01295
Std Dev 0.81
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

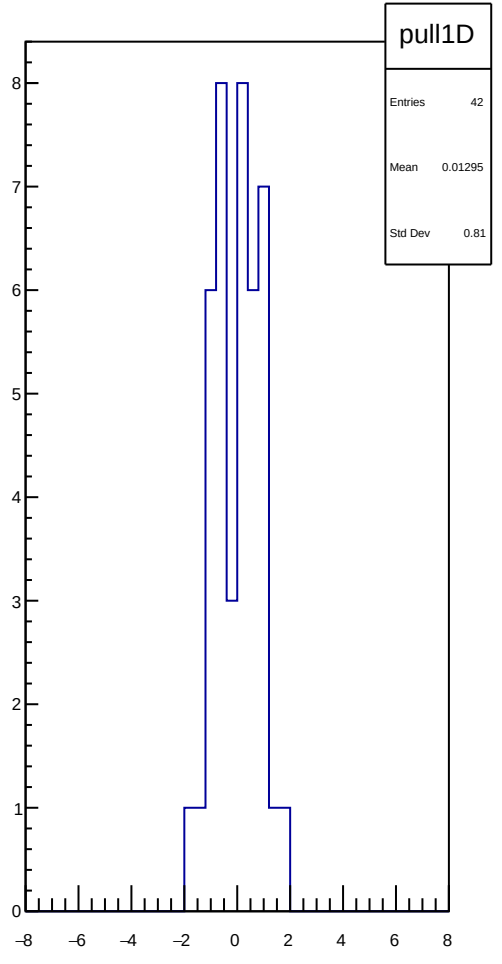

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 97.68 / 41
p0 1923 ± 2.113
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

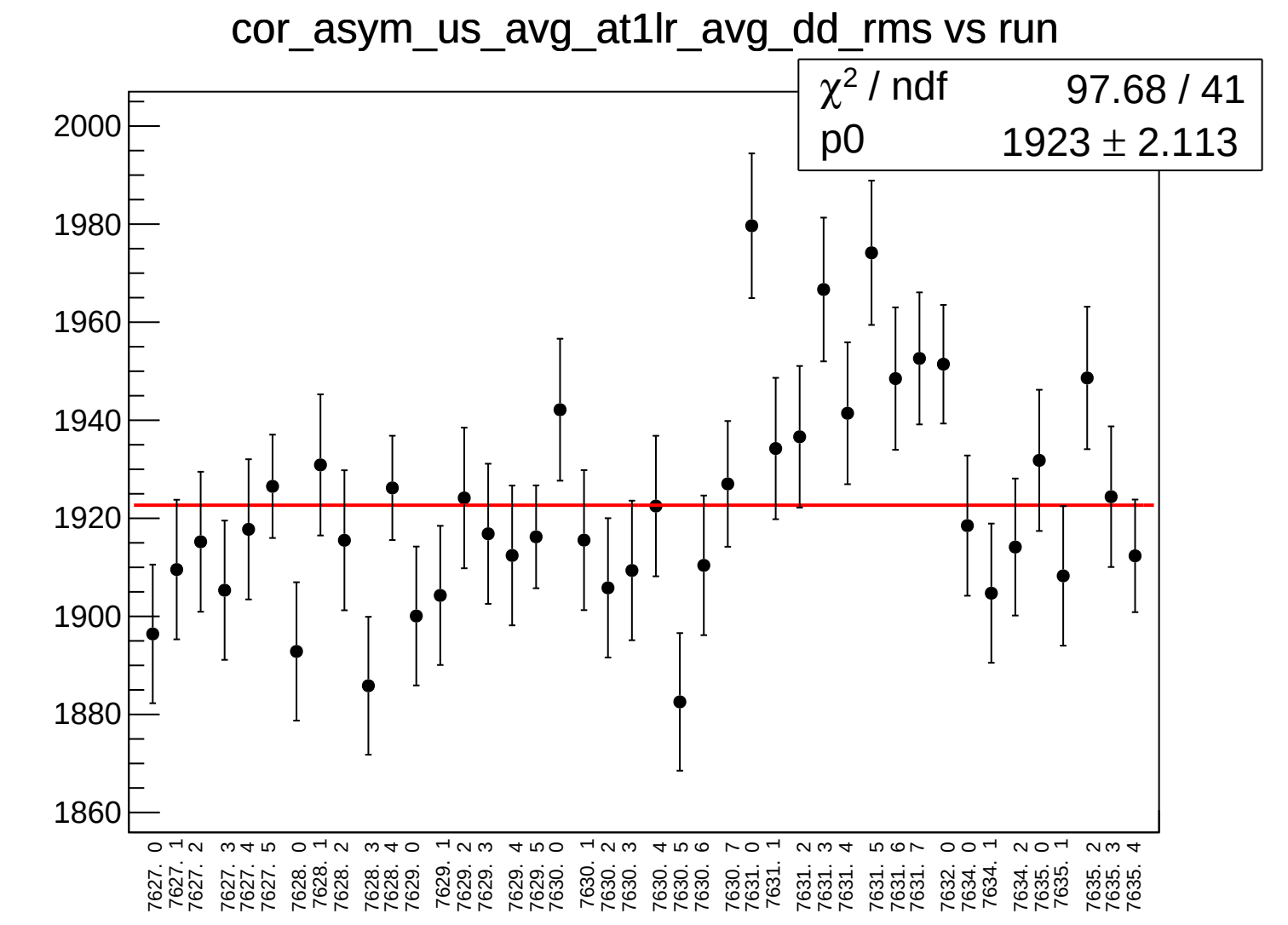

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 34.89 / 41
p0 8459 ± 3292
pull
Entries 42
Mean 29.16
Std Dev 0

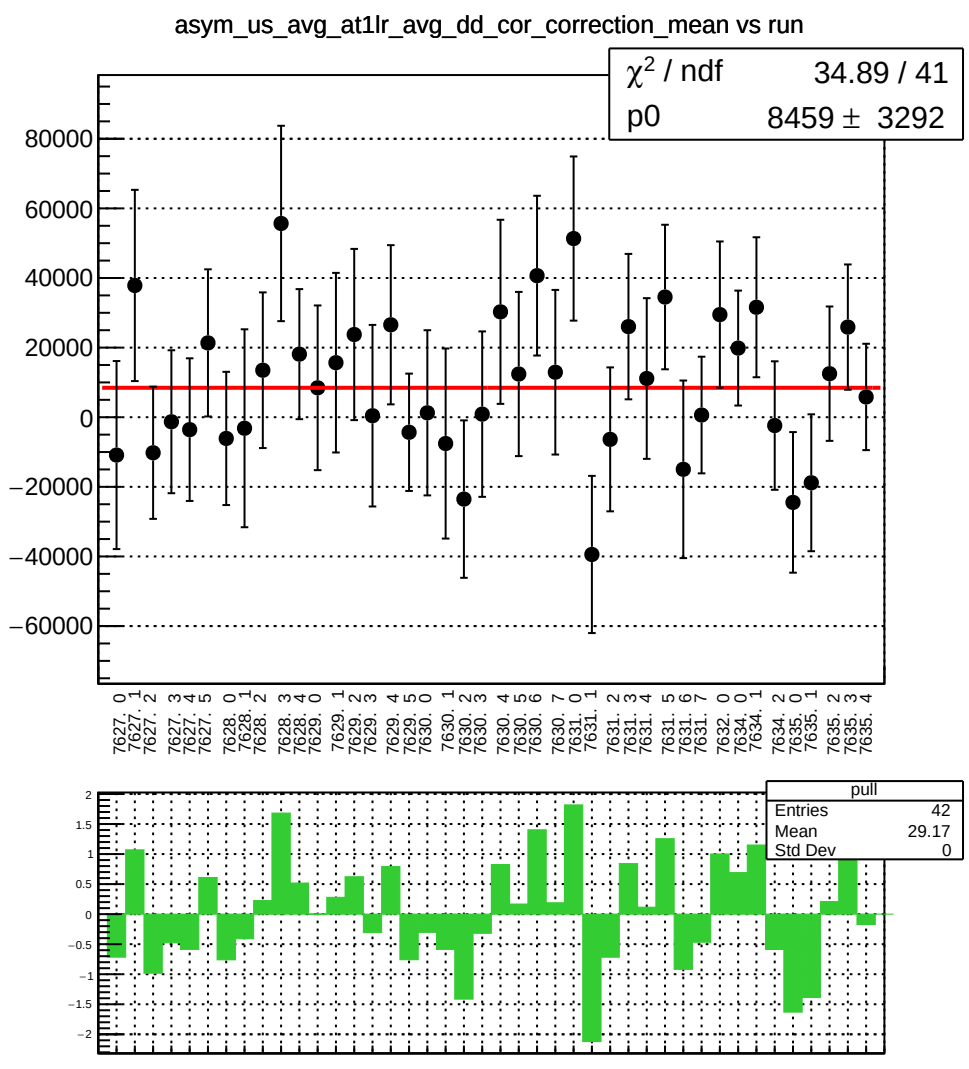

pull1D
Entries 42
Mean 0.01945
Std Dev 0.9113

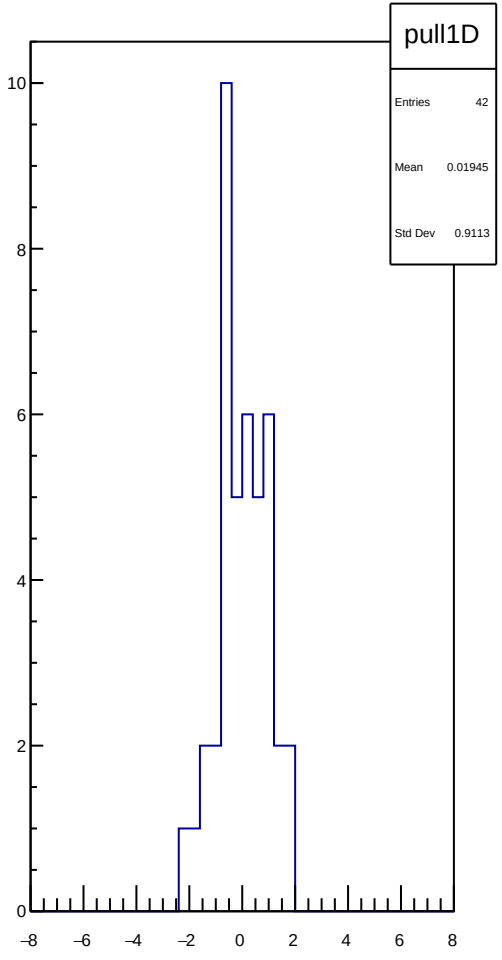

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.697e+04 / 41
p0 2096 ± 2.328
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

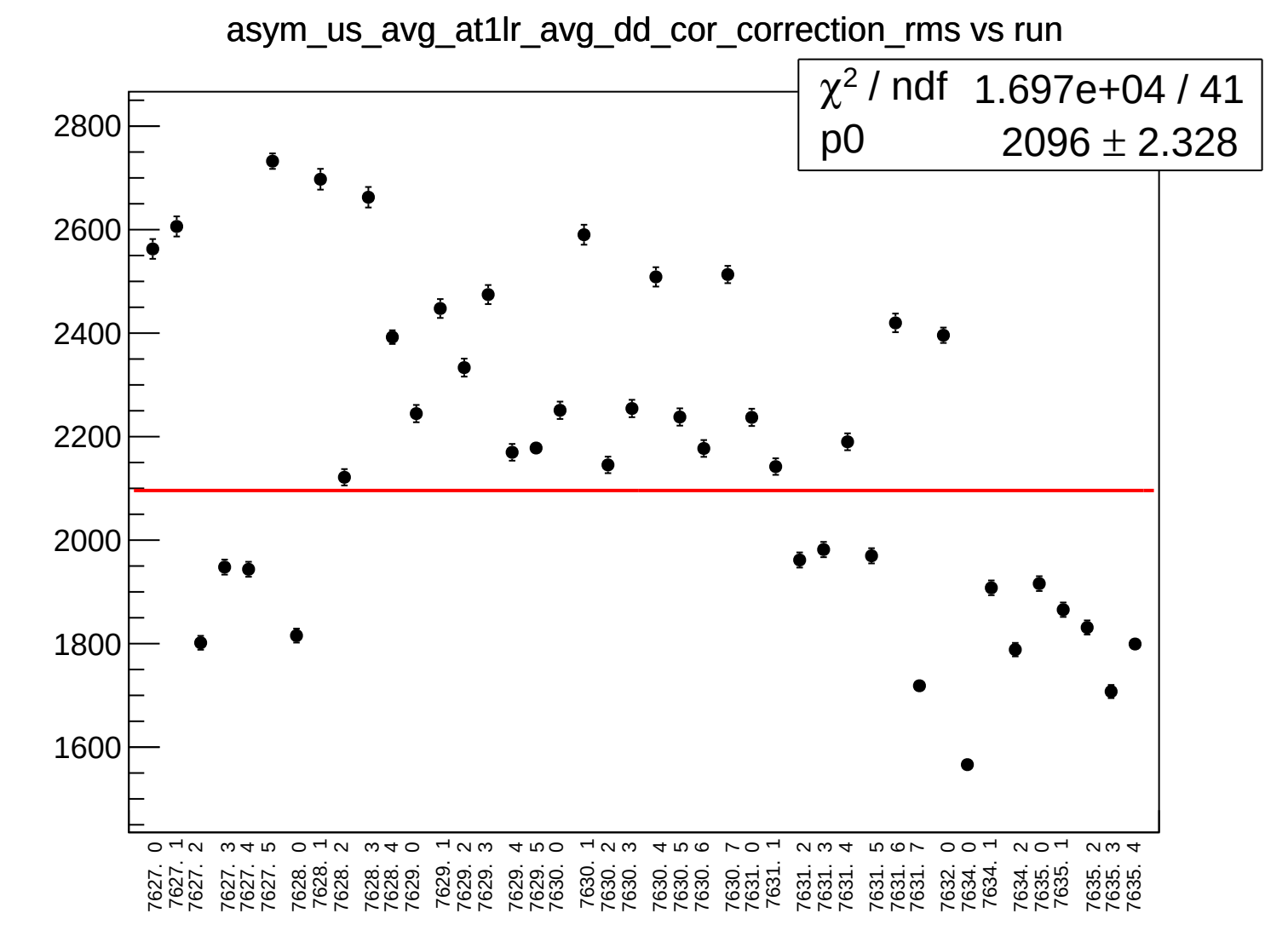

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 27.57 / 41
p0 4221 ± 2989
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −194.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

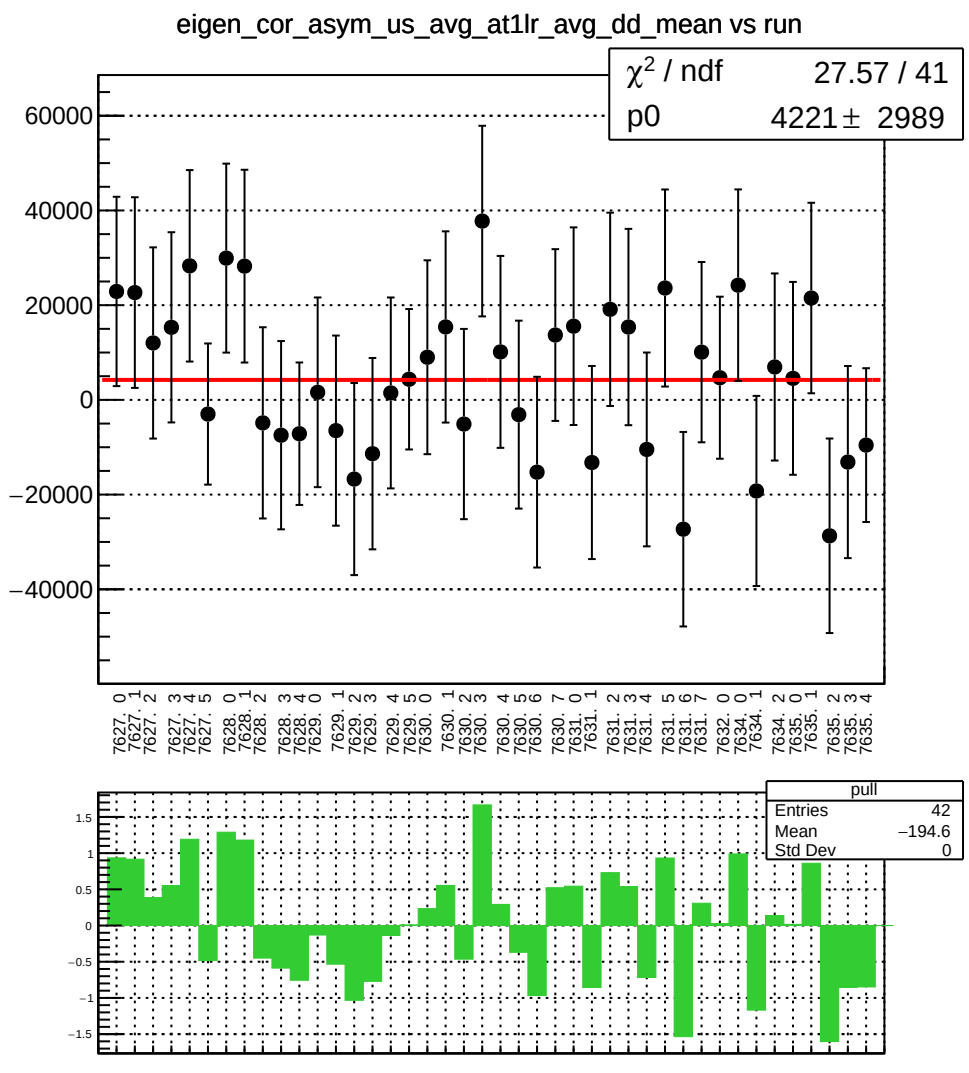

pull1D
Entries 42
Mean 0.01295
Std Dev 0.81
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

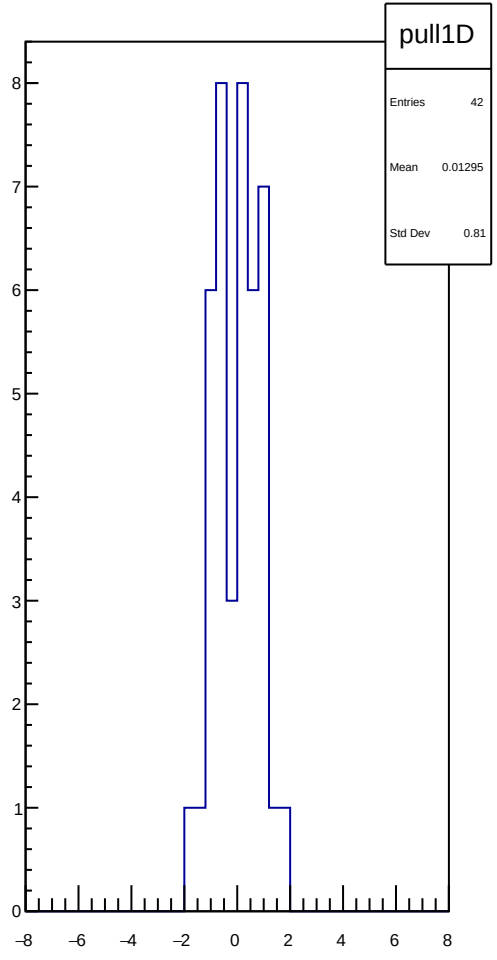

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 97.68 / 41
p0 1923 ± 2.113
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

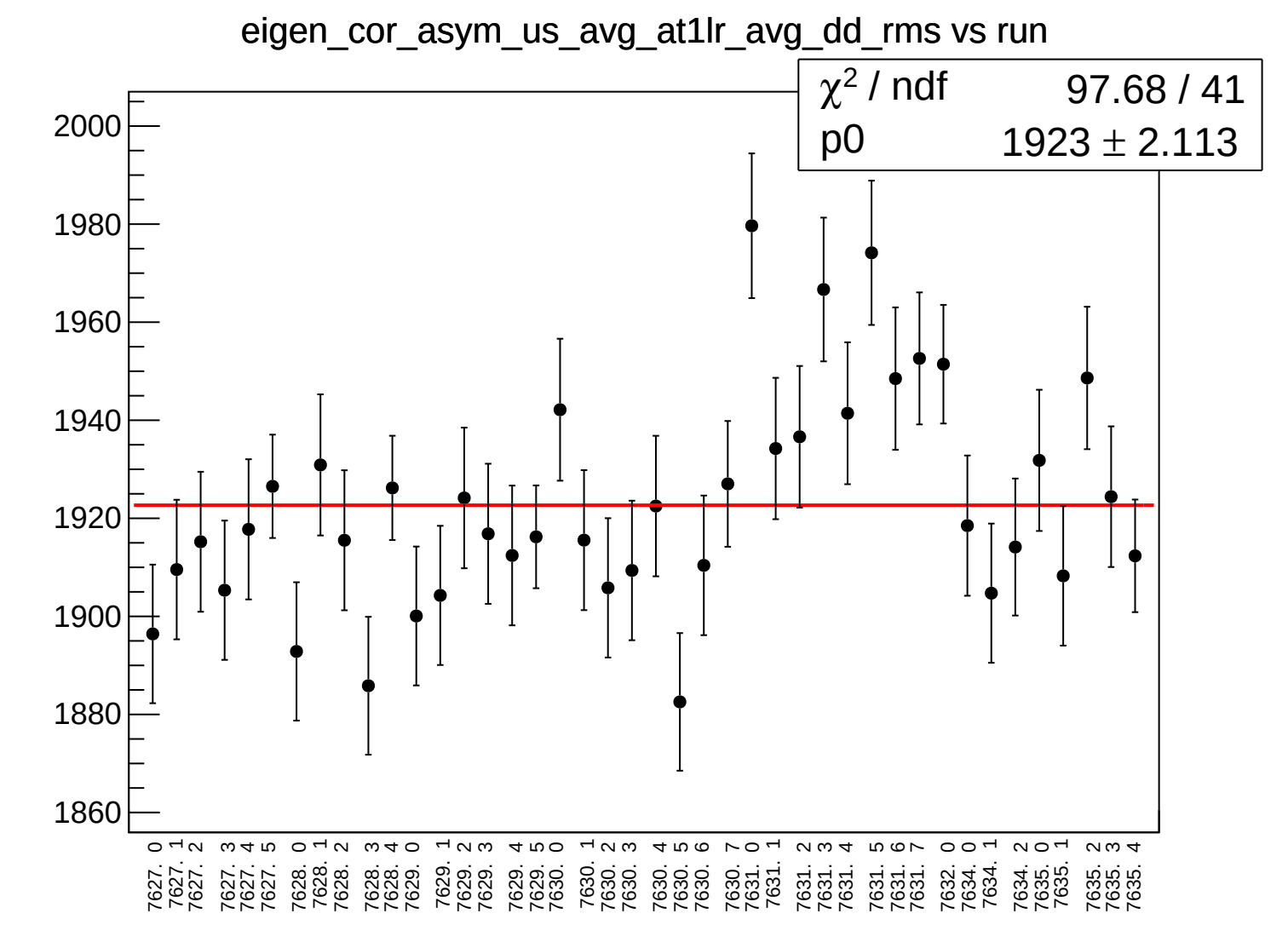

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 34.89 / 41
p0 8459 ± 3292
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 29.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

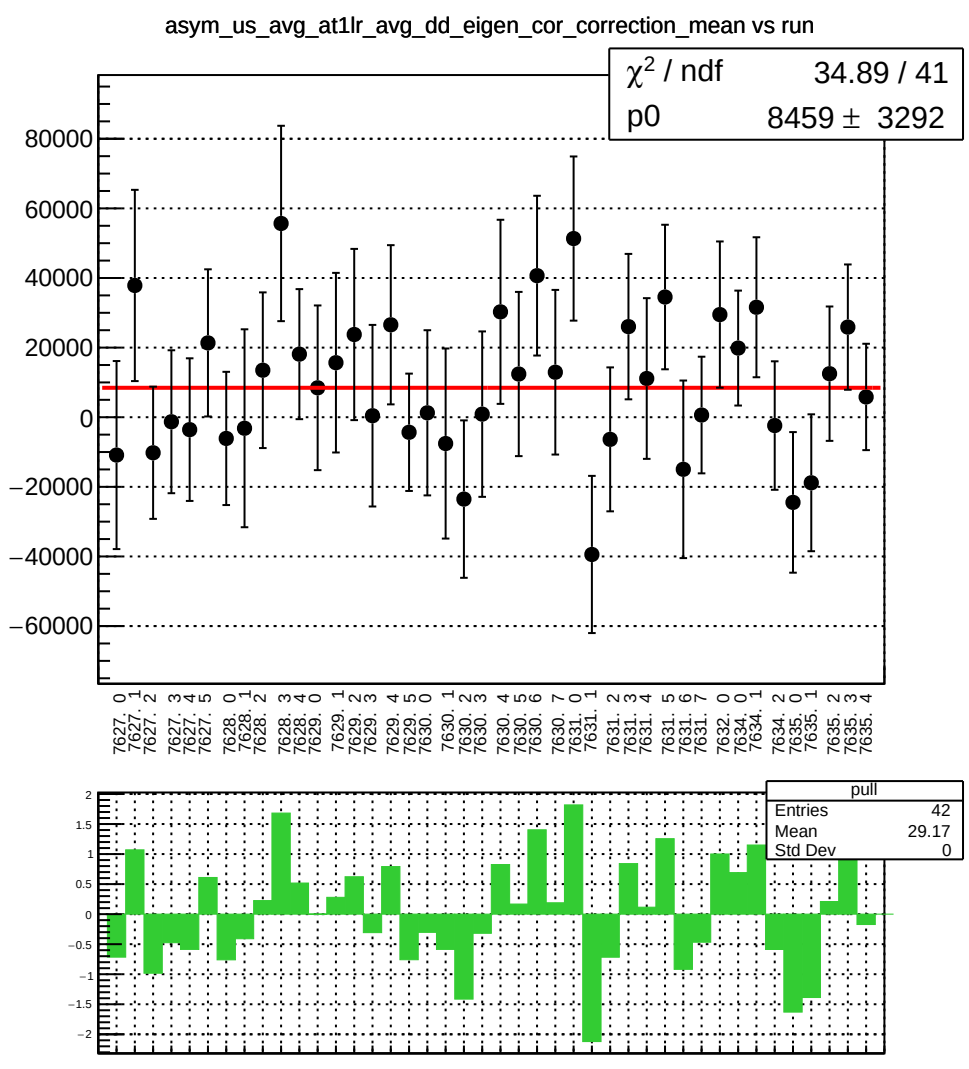

pull1D
Entries 42
Mean 0.01945
Std Dev 0.9113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

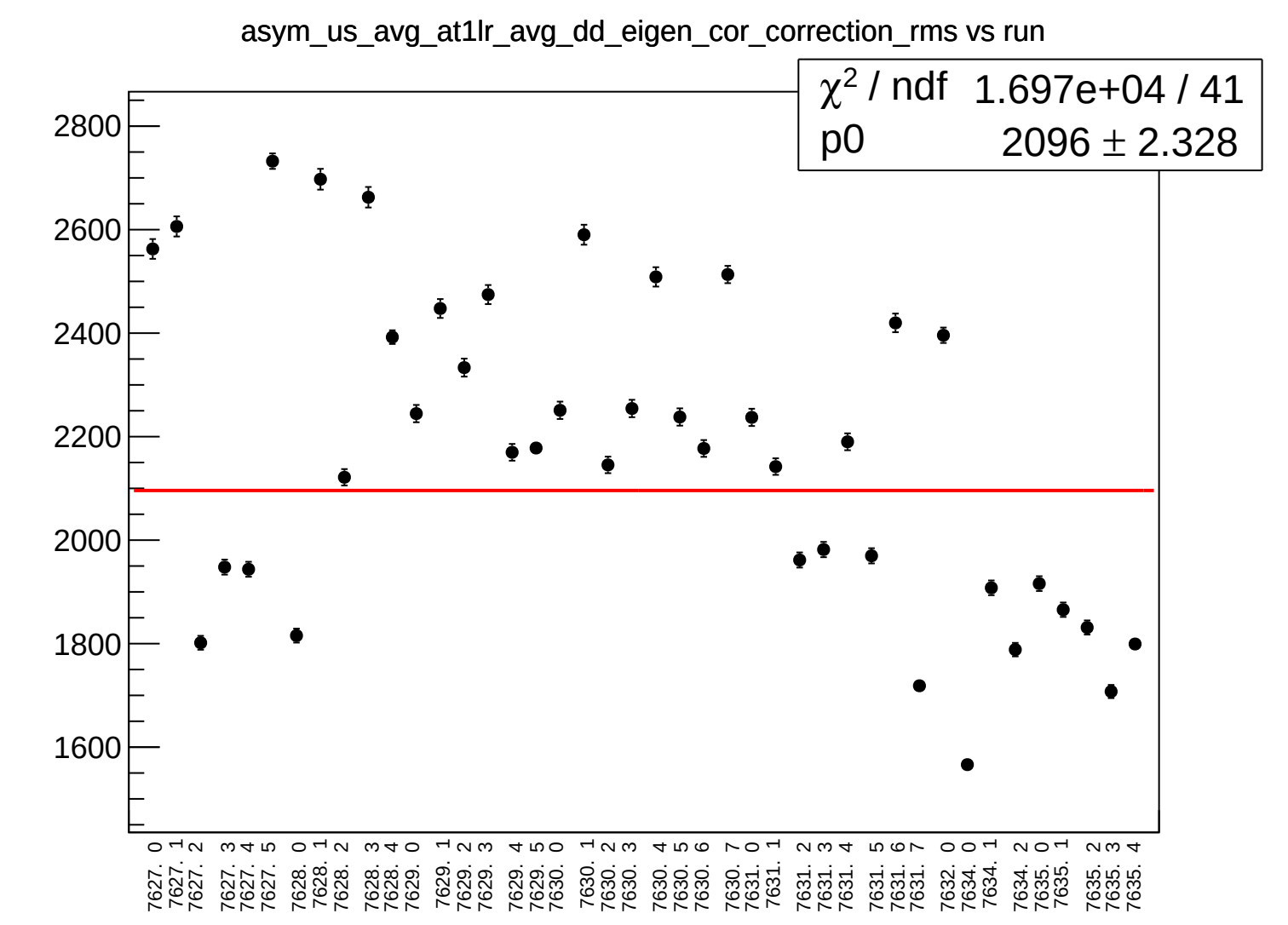

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.697e+04 / 41
p0 2096 ± 2.328
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

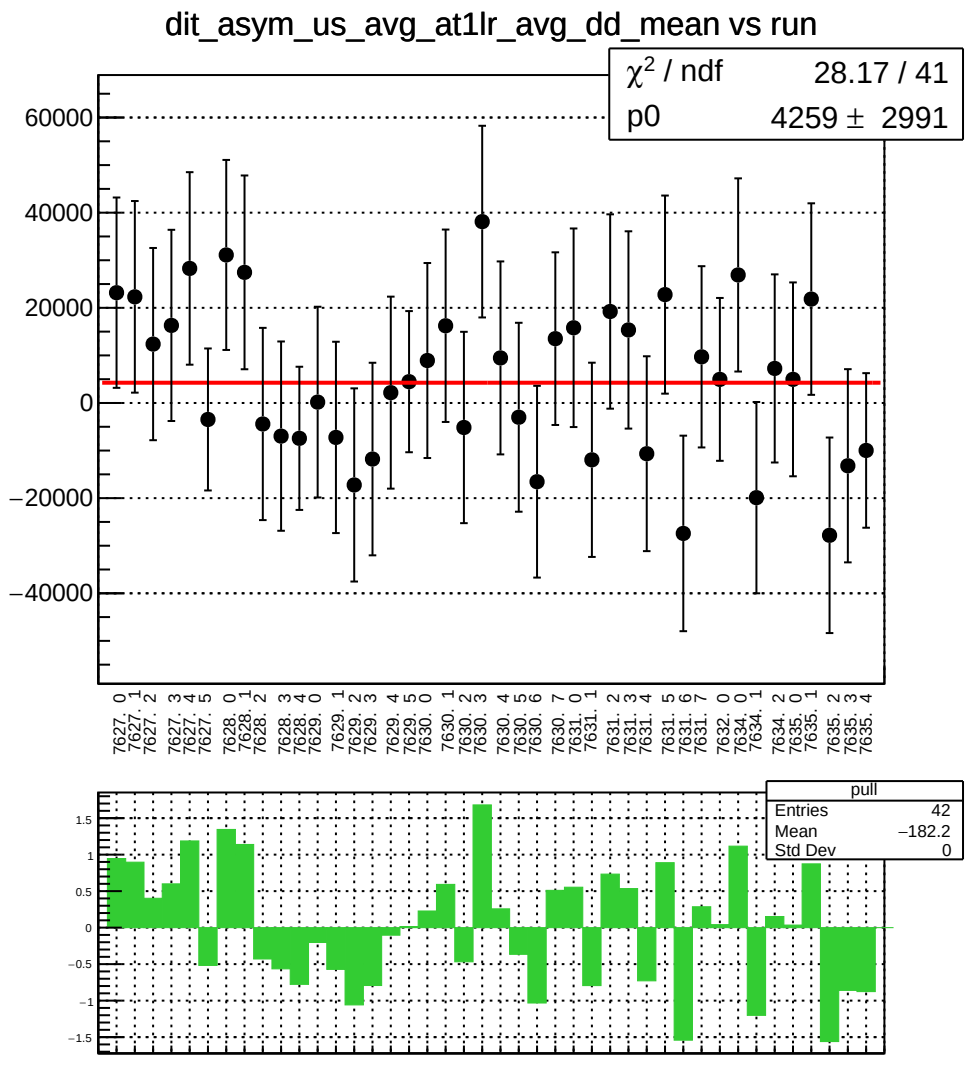

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 27.57 / 41
p0 4221 ± 2989
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −194.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

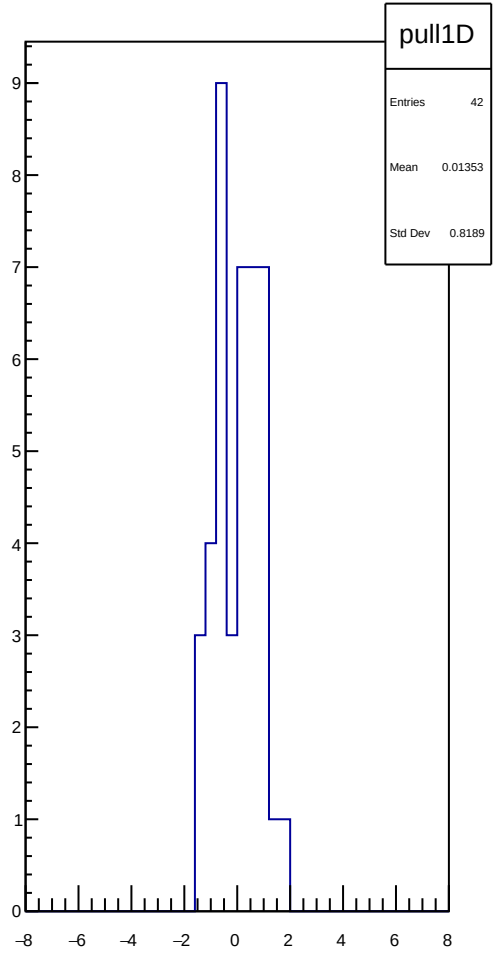

pull1D
Entries 42
Mean 0.01295
Std Dev 0.81
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

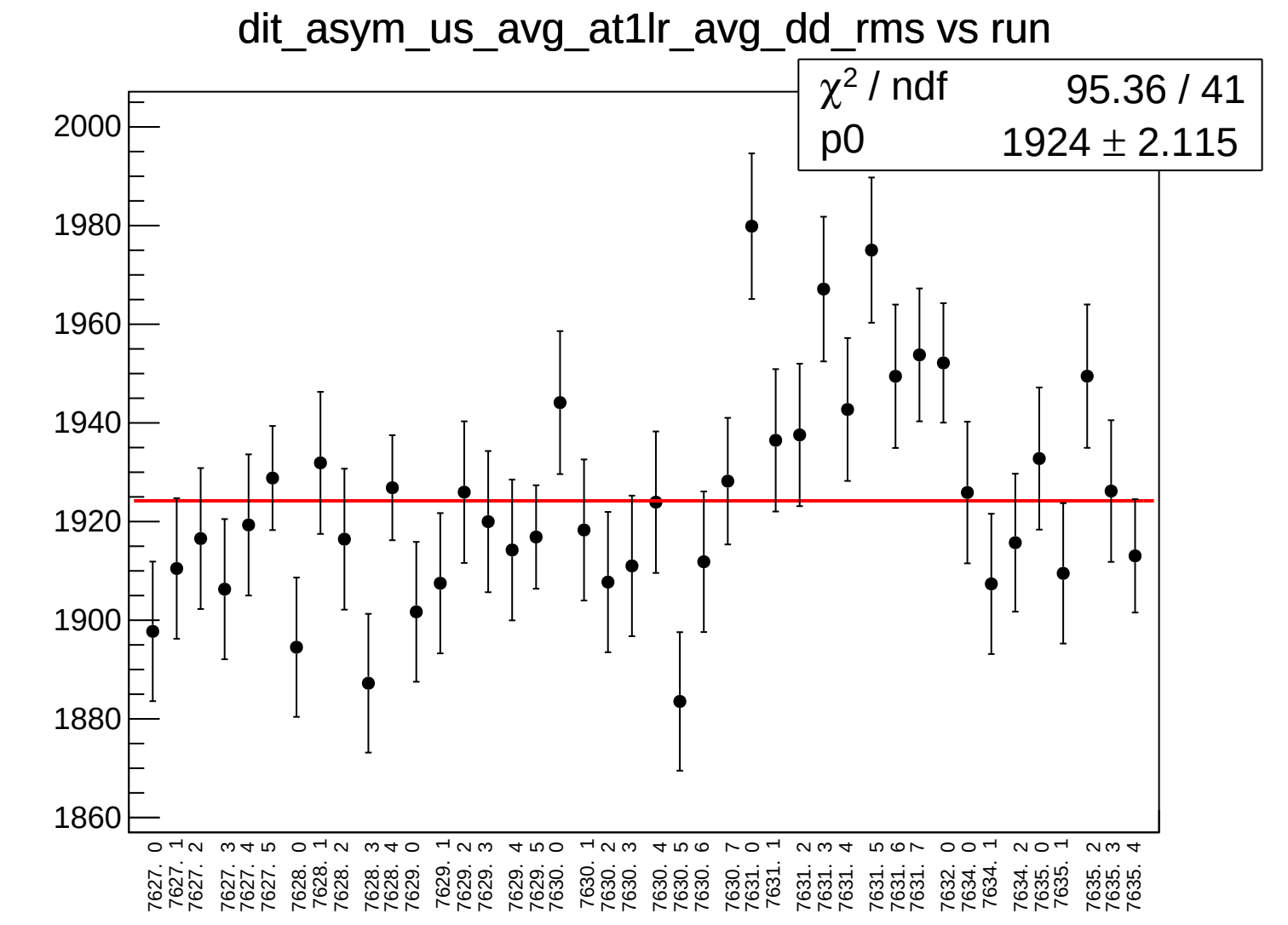

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 97.68 / 41
p0 1923 ± 2.113
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.89 / 41
p0 8459 ± 3292
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 29.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01945
Std Dev 0.9113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.697e+04 / 41
p0 2096 ± 2.328
2800
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 28.17 / 41
p0 4259 ± 2991
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −182.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.01353
Std Dev 0.8189
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 95.36 / 41
p0 1924 ± 2.115
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
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7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
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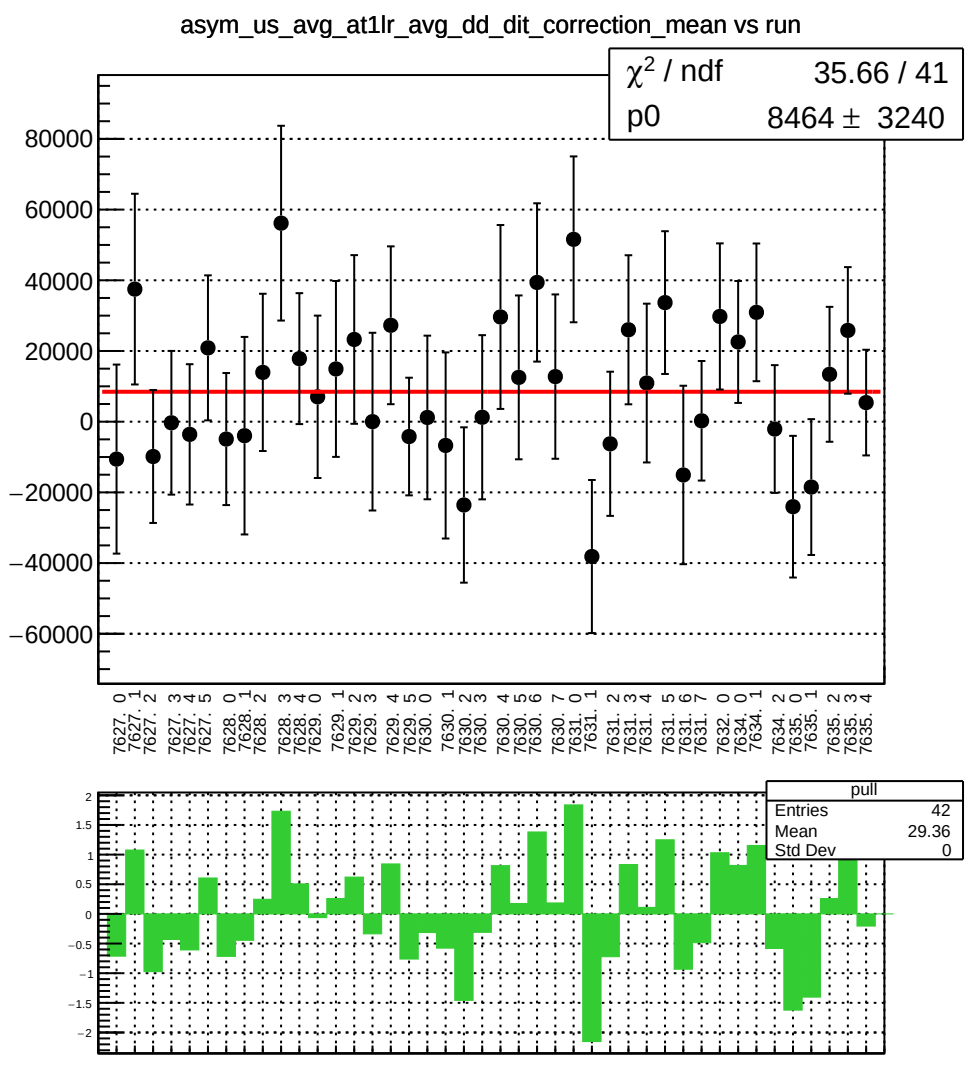
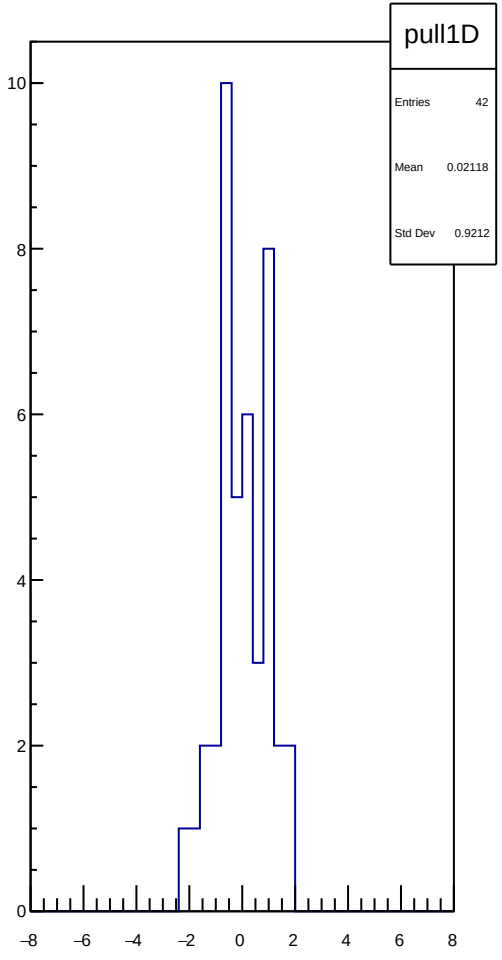
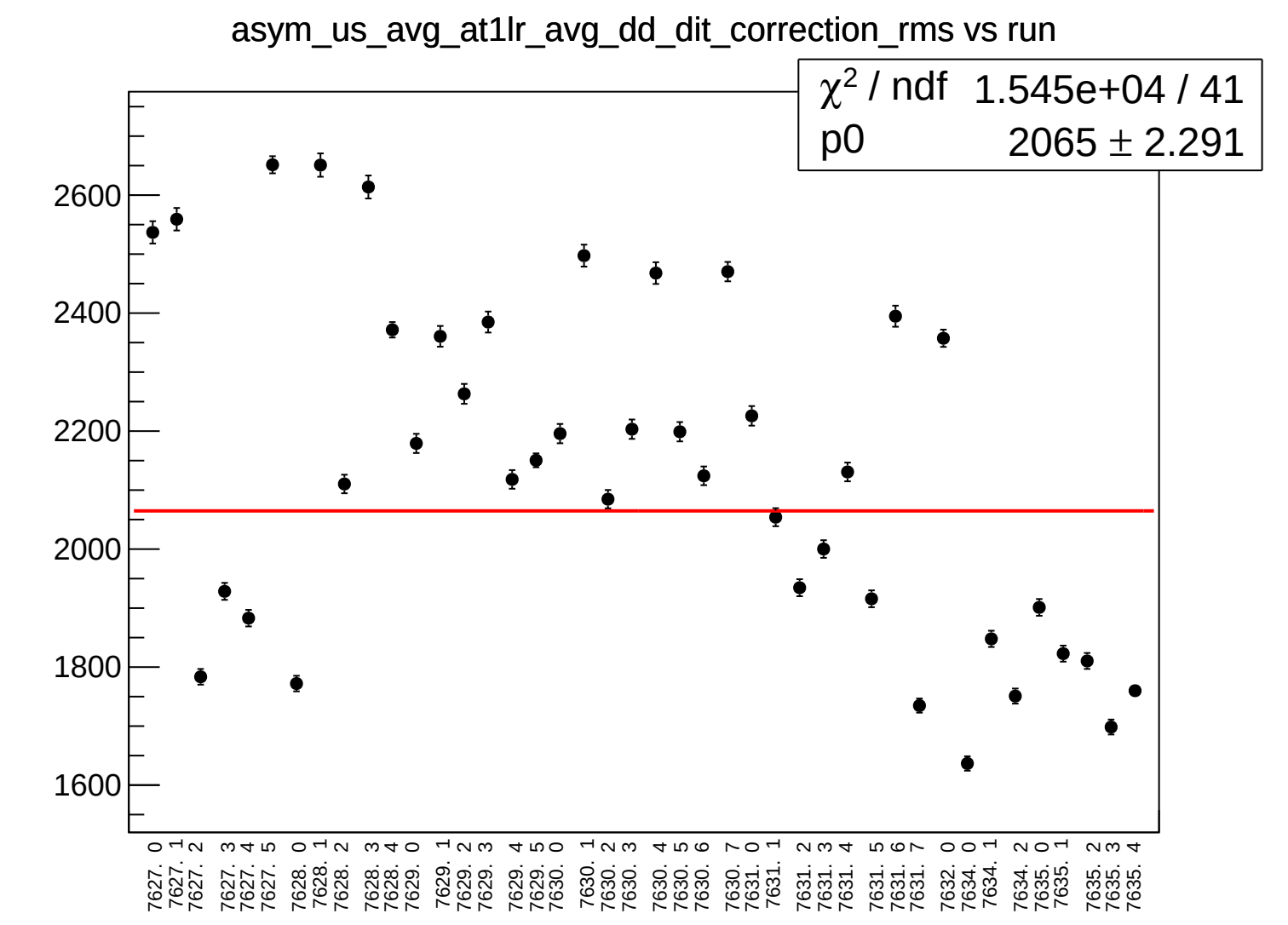
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 35.66 / 41
p0 8464 ± 3240
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 29.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.02118
Std Dev 0.9212
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1.545e+04 / 41
p0 2065 ± 2.291
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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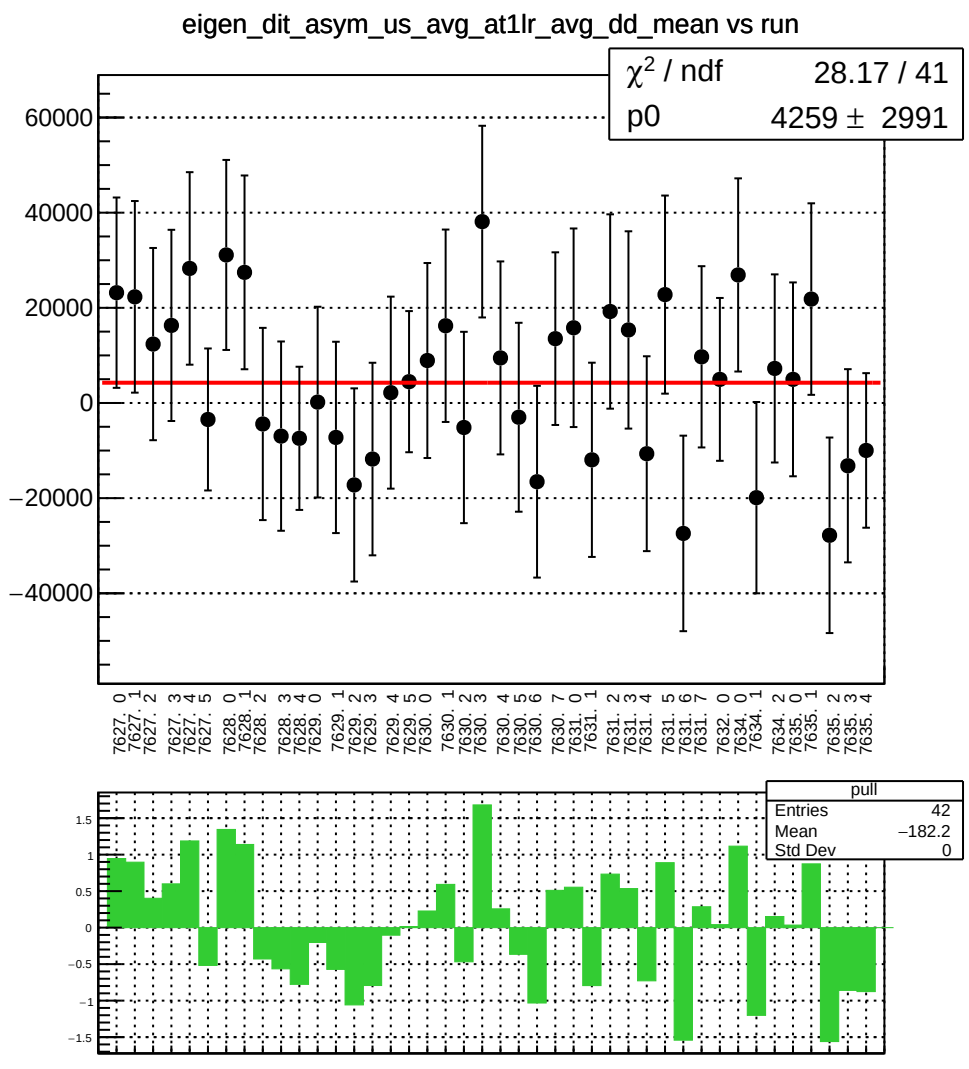
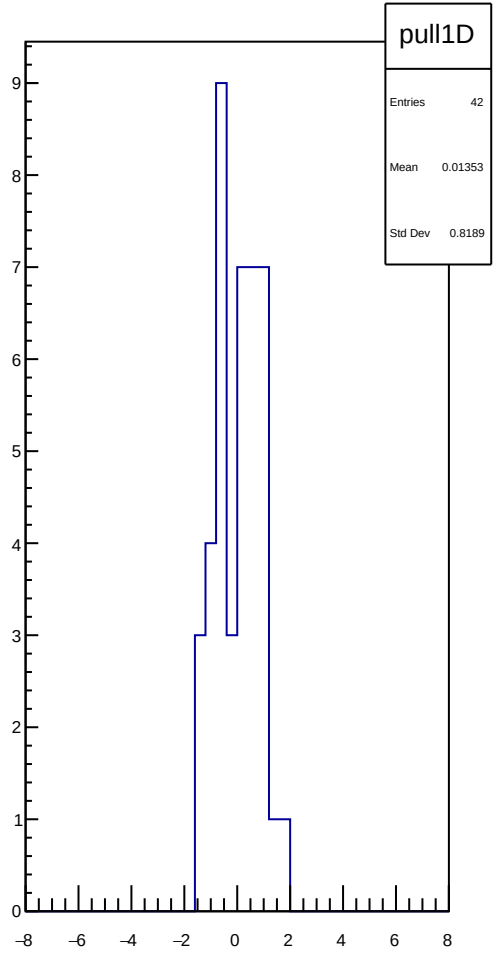
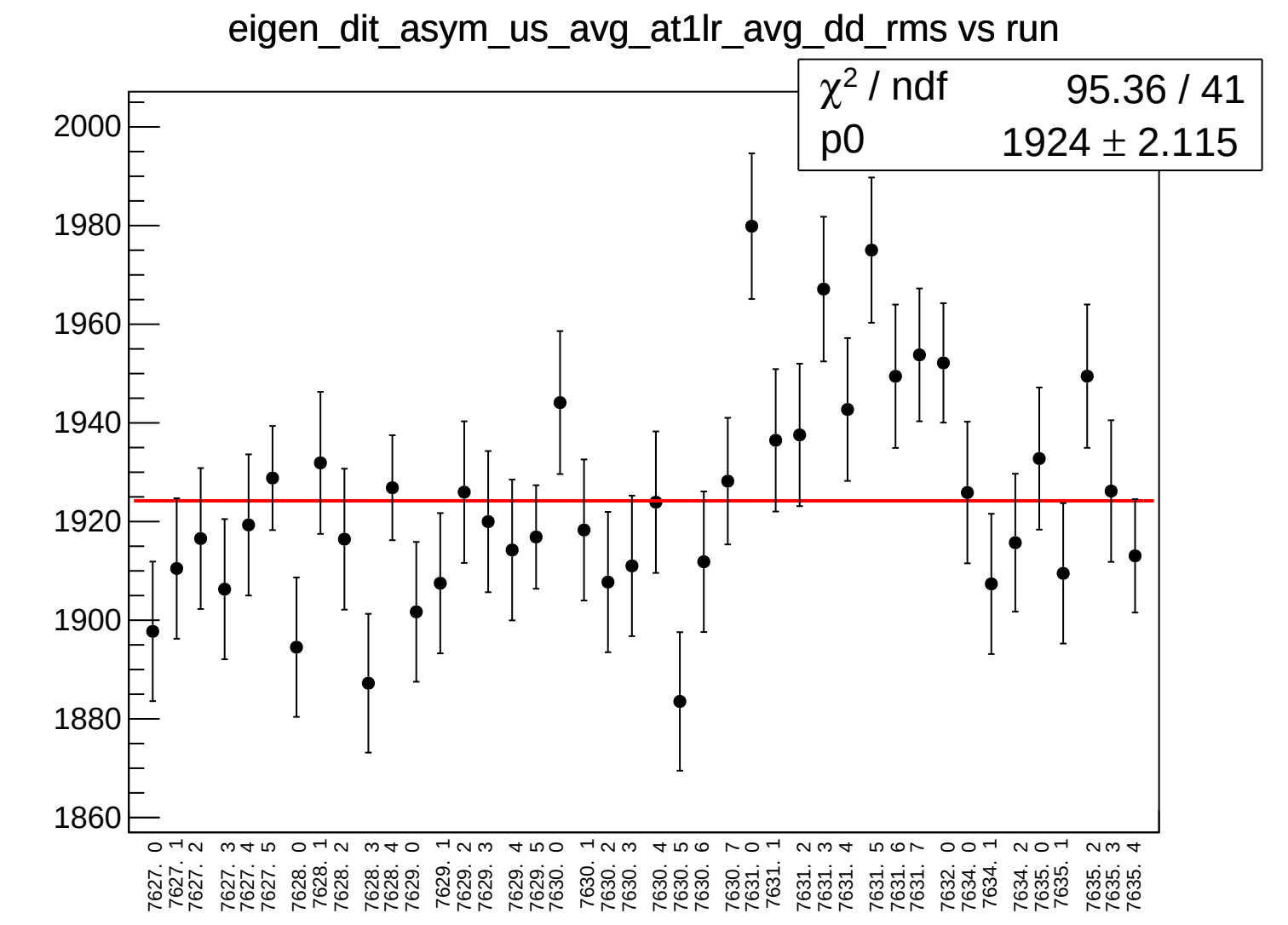
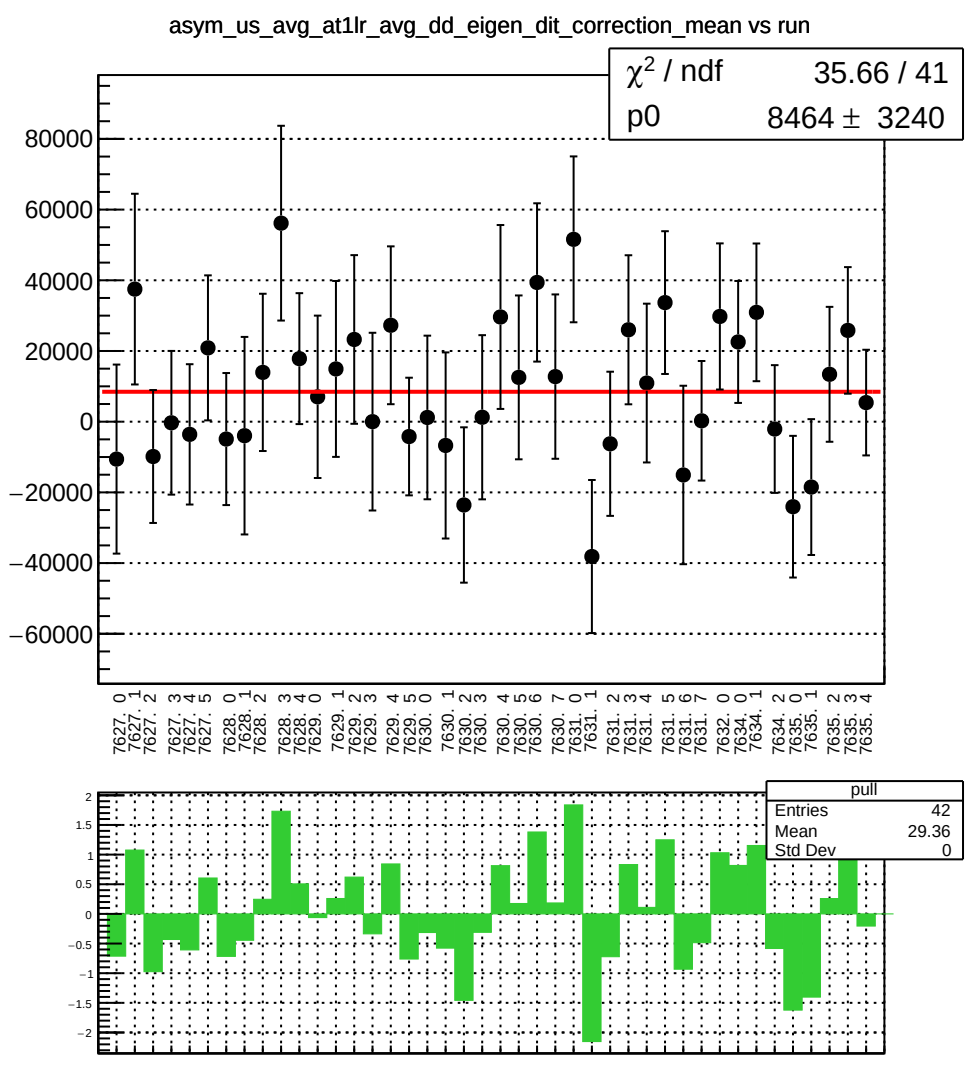
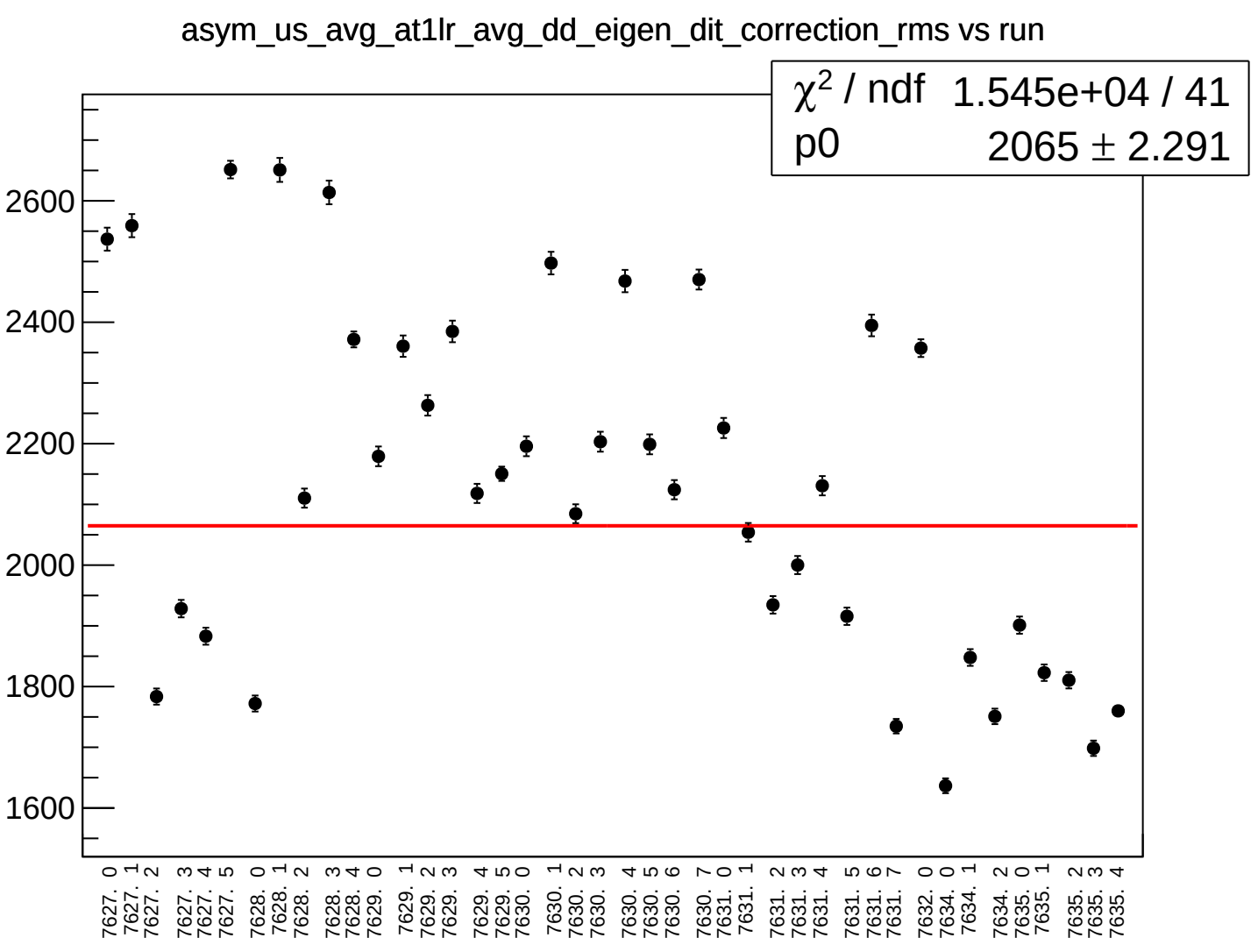
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

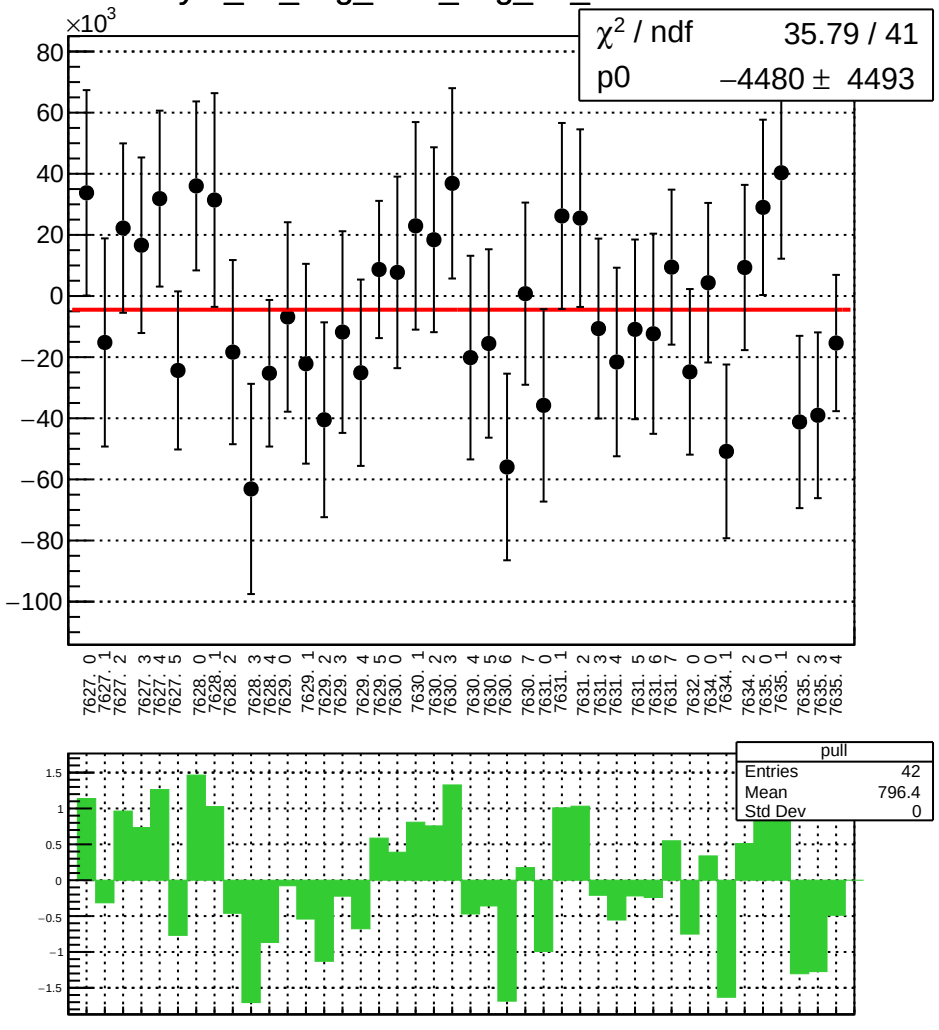

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 28.17 / 41
p0 4259 ± 2991
60000
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −182.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

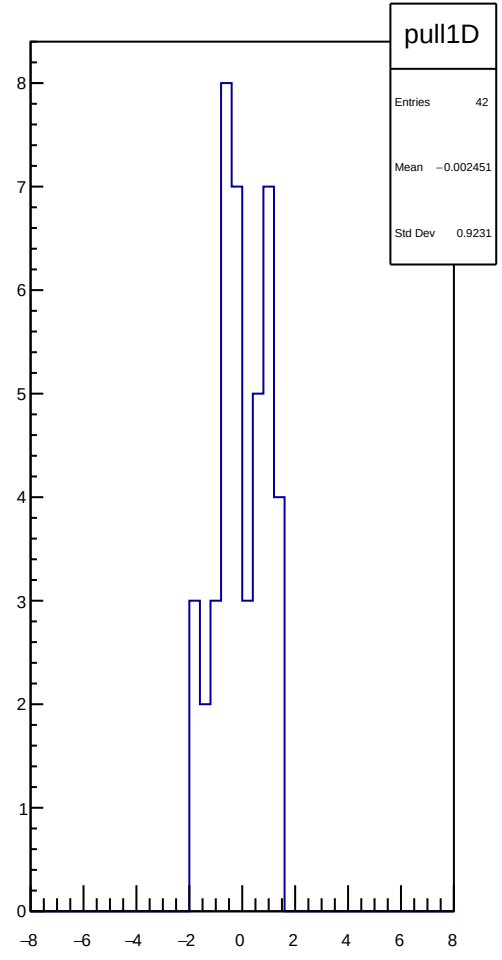

pull1D
Entries 42
Mean 0.01353
Std Dev 0.8189
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

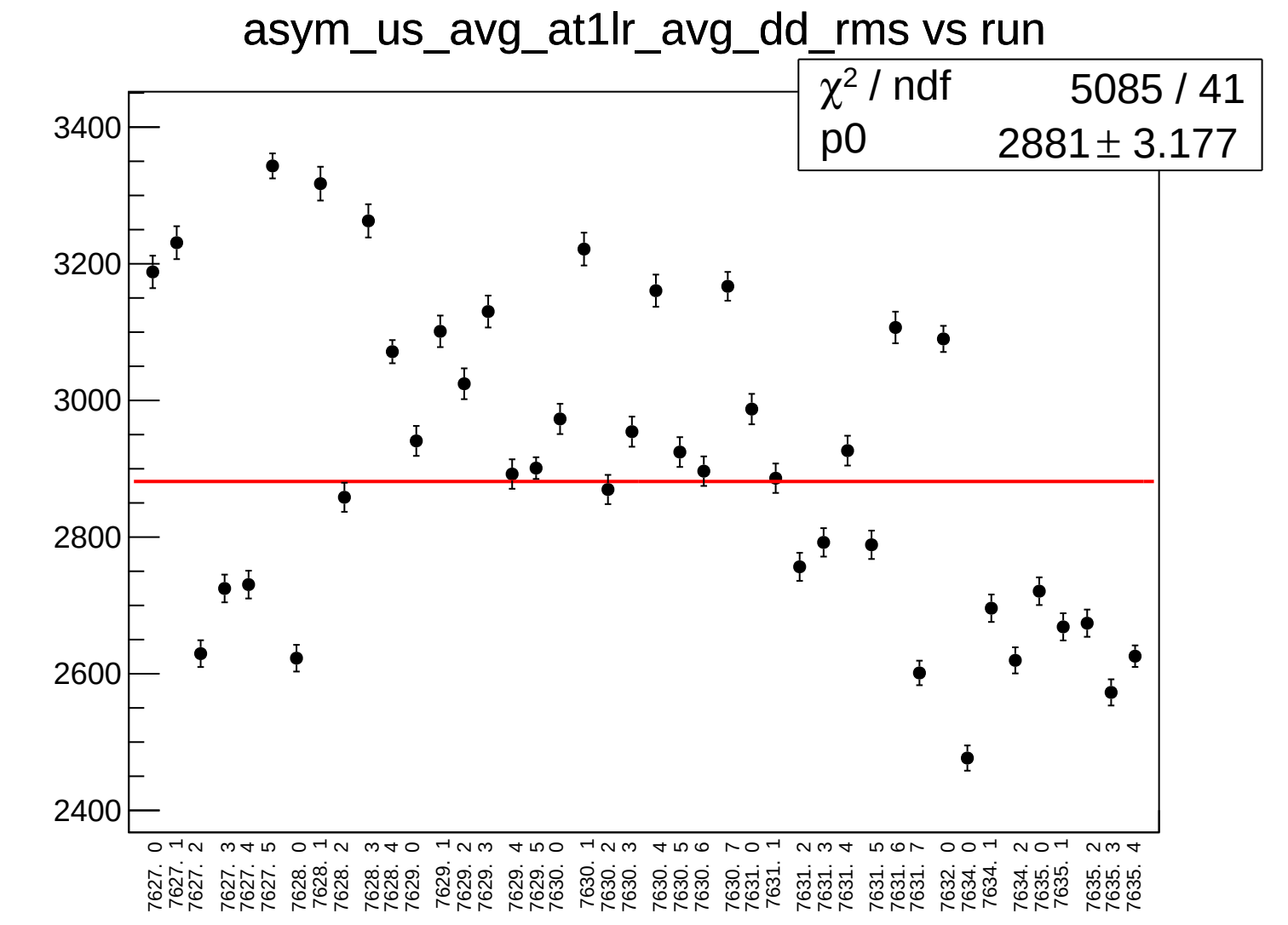

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 95.36 / 41
p0 1924 ± 2.115
2000
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

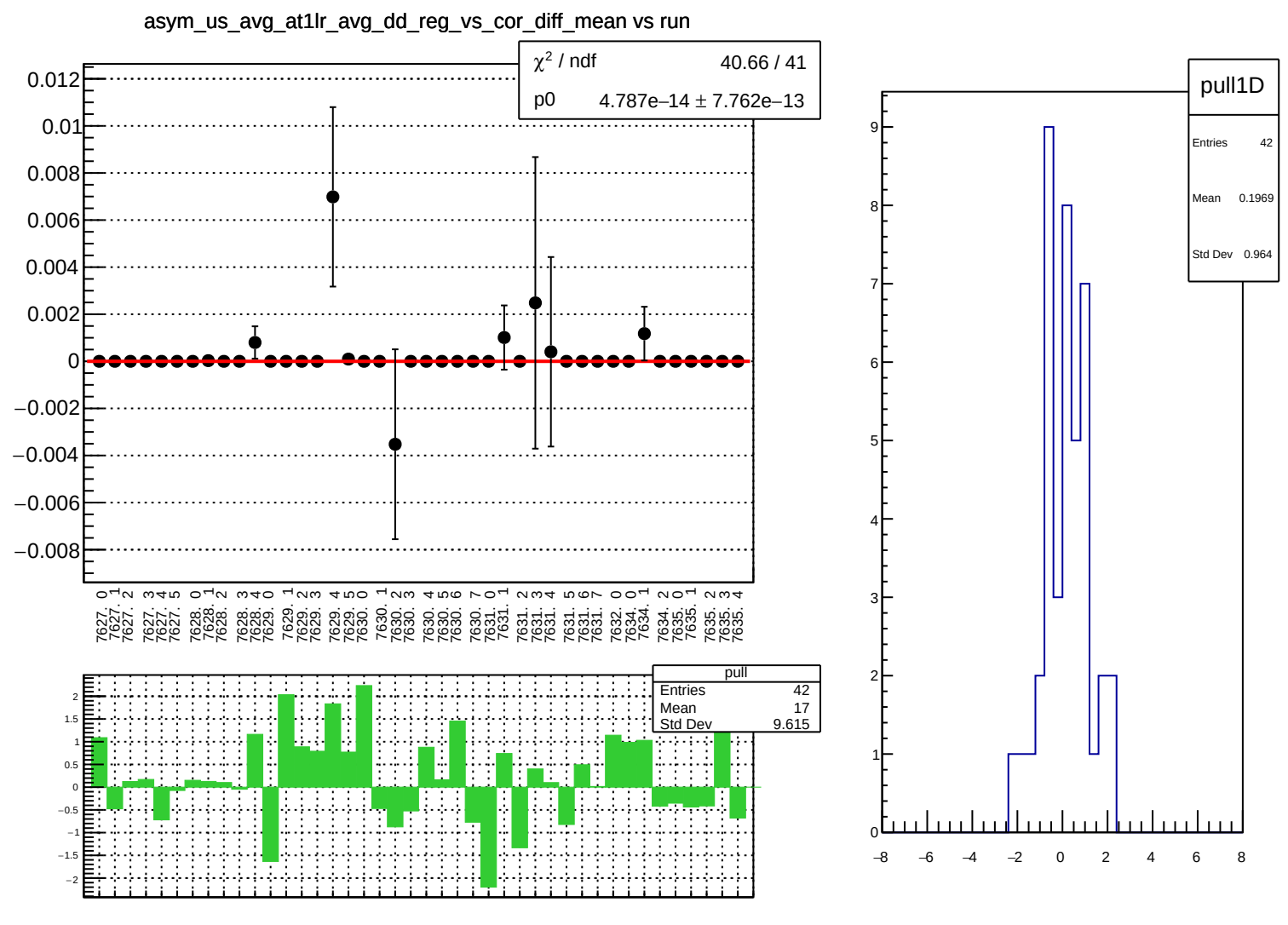

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 35.66 / 41
p0 8464 ± 3240
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 29.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.02118
Std Dev 0.9212
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

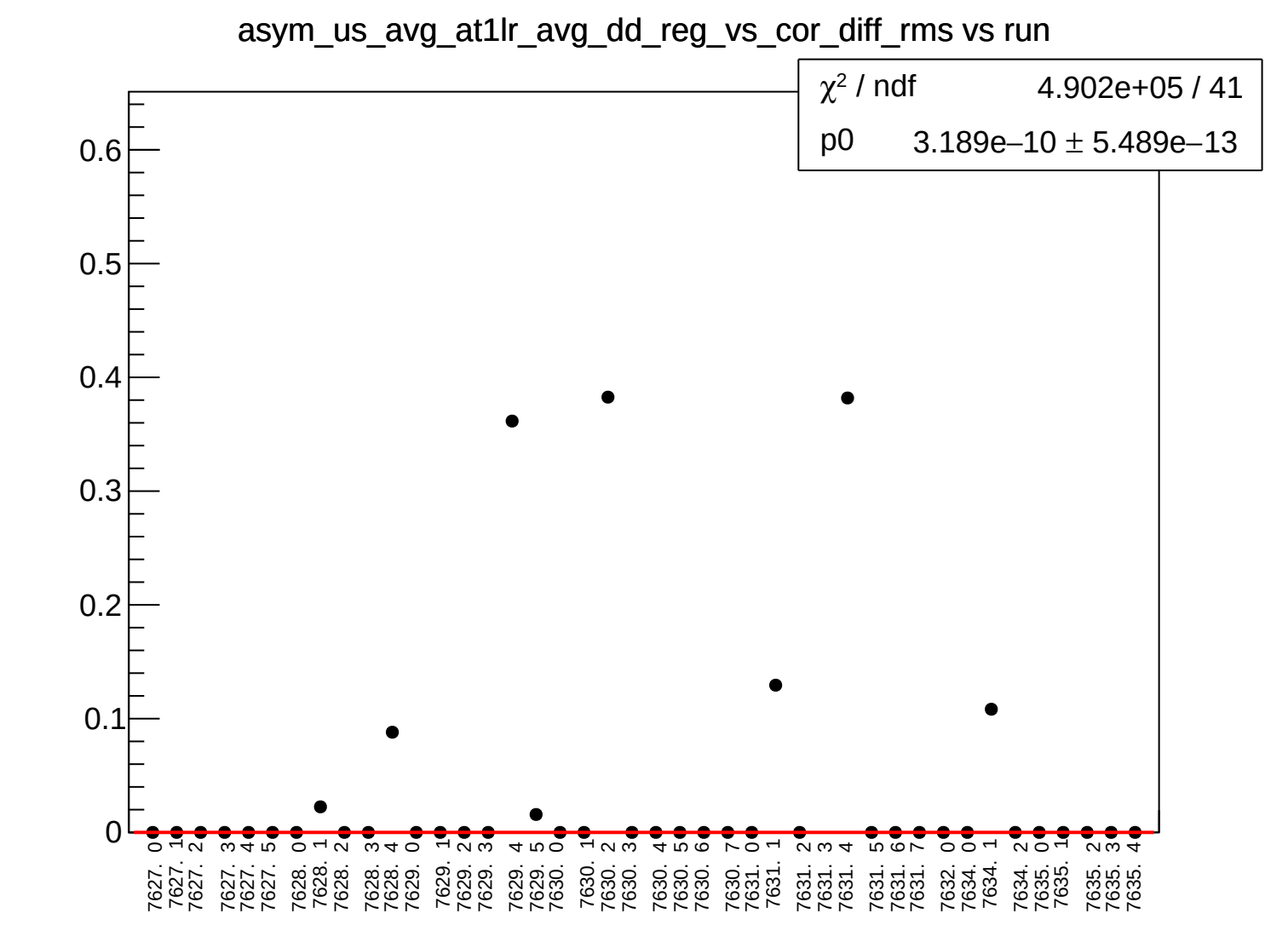

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.545e+04 / 41
p0 2065 ± 2.291
2600
2400
2200
2000
1800
1600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

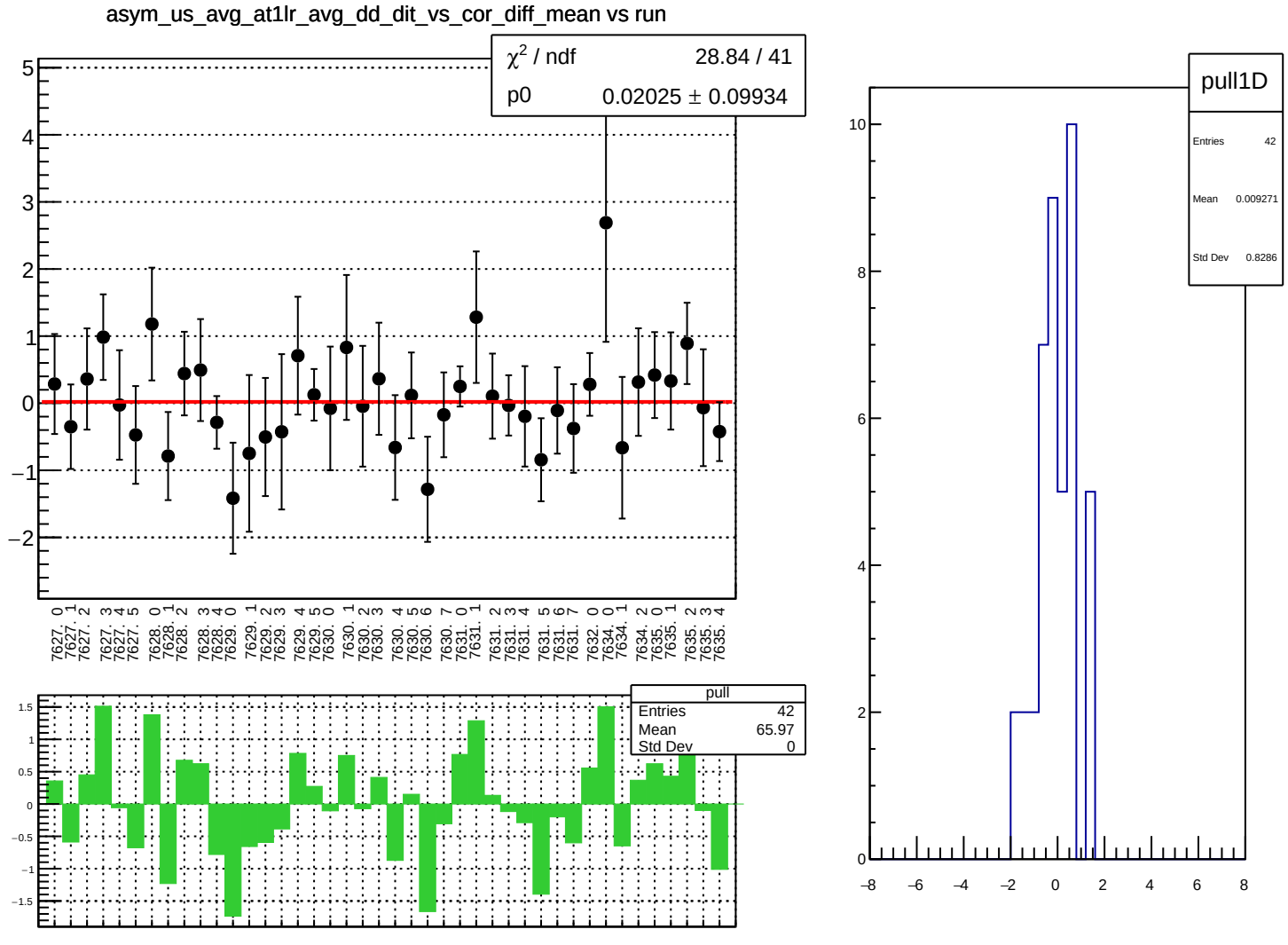

asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 35.79 / 41
p0 −4480 ± 4493
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 796.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

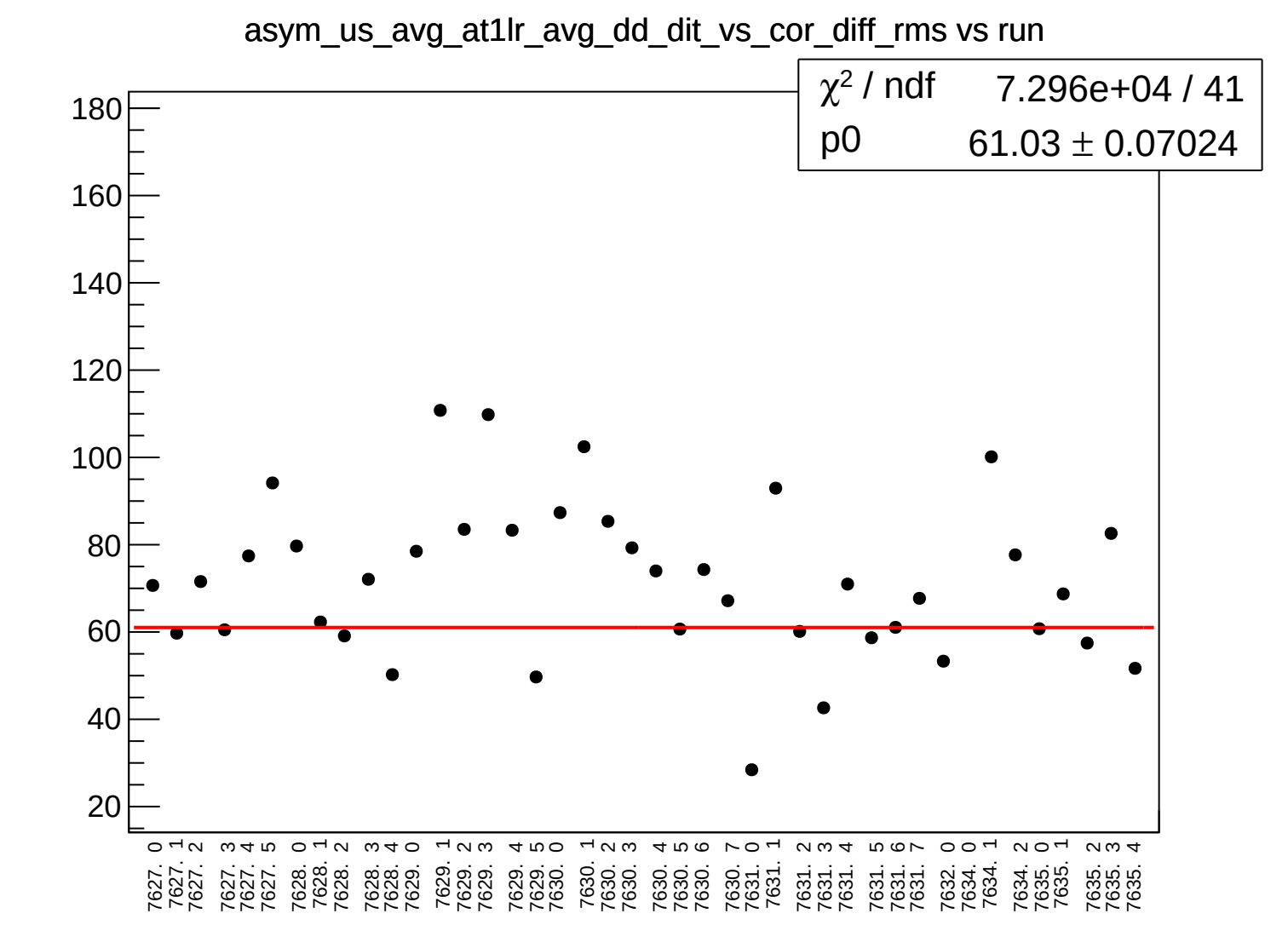

pull1D
Entries 42
Mean −0.002451
Std Dev 0.9231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

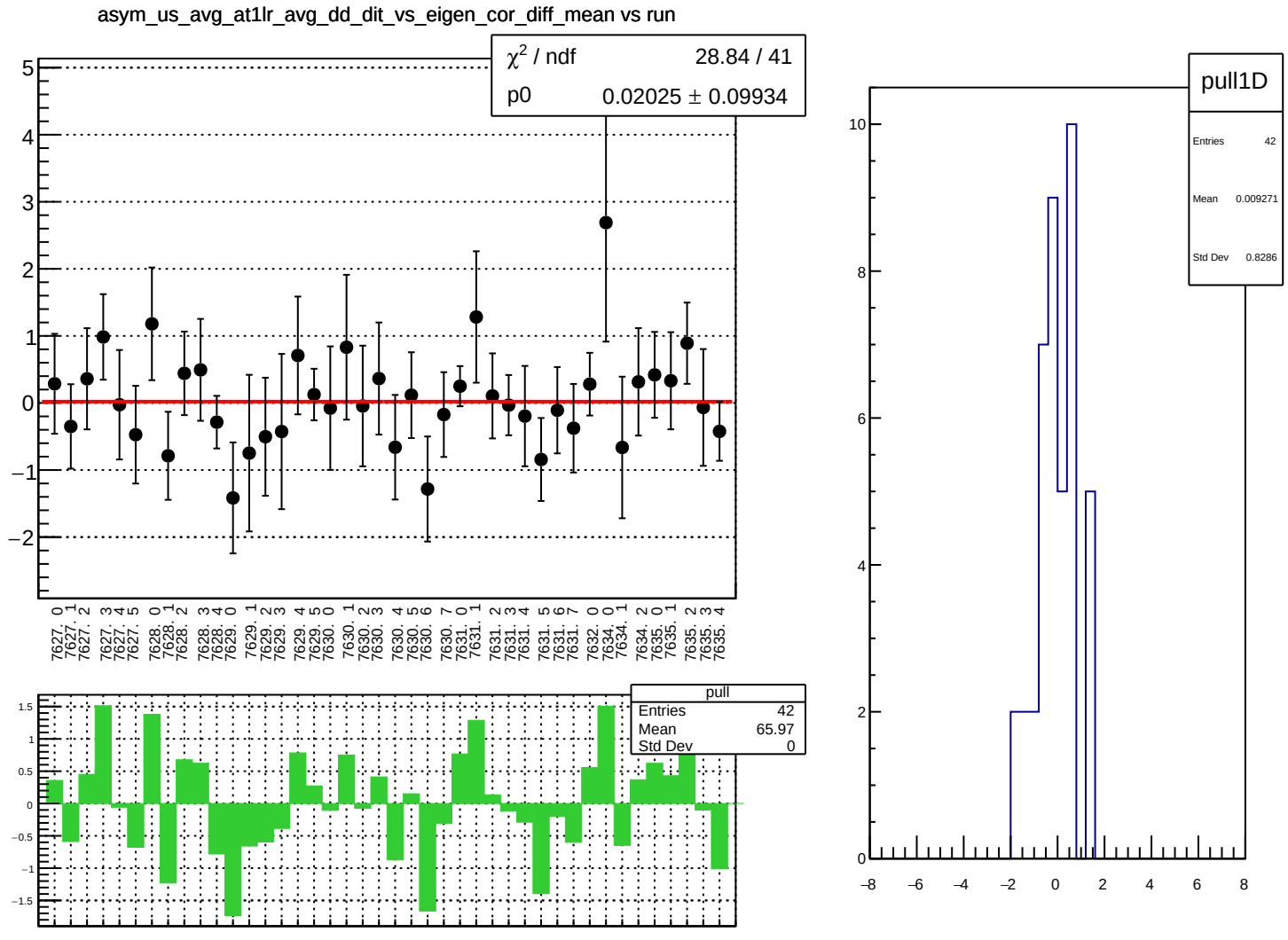

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 5085 / 41
p0 2881 ± 3.177
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

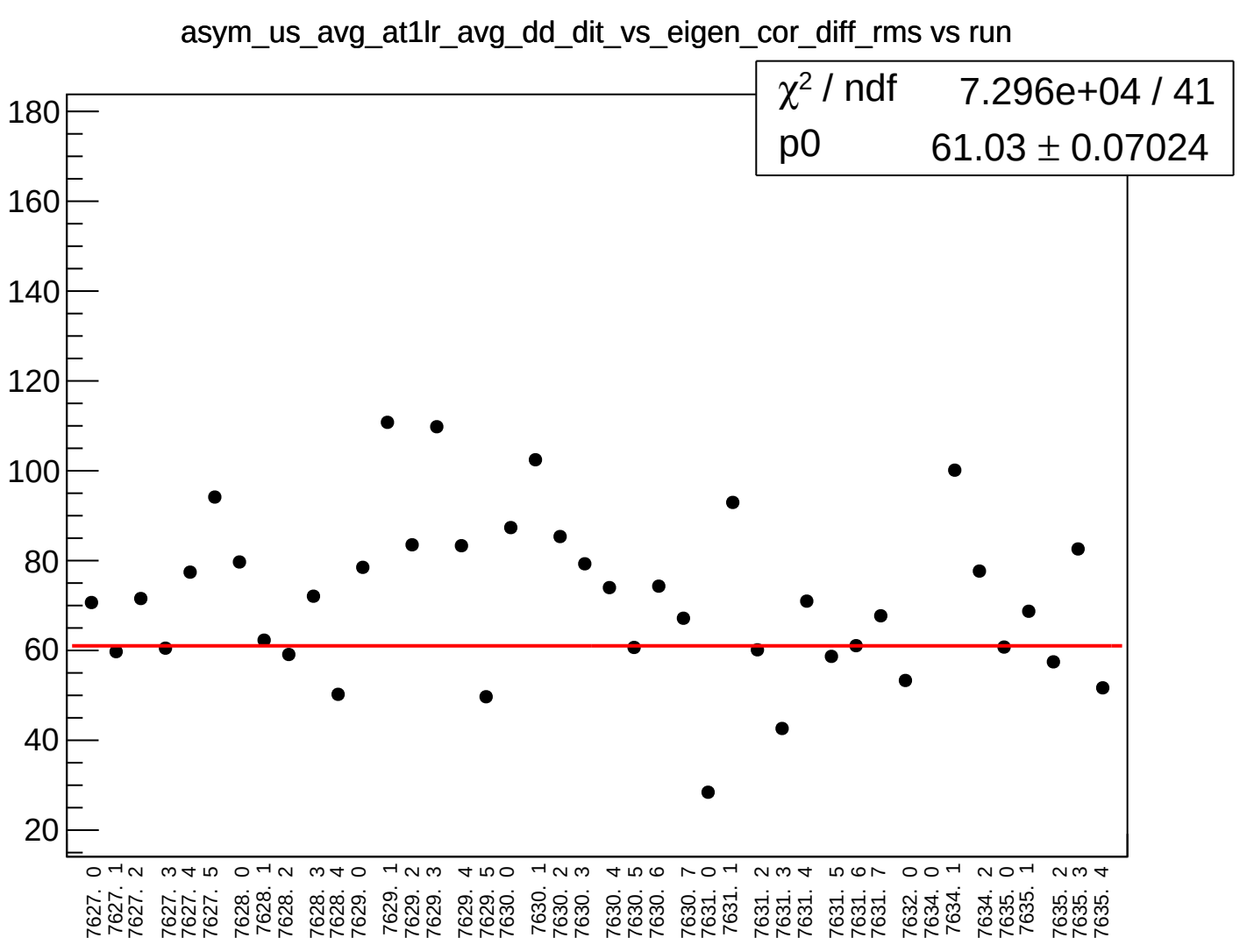

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.66 / 41
p0 4.787e−14 ± 7.762e−13
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17
Std Dev 9.615
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.1969
Std Dev 0.964
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

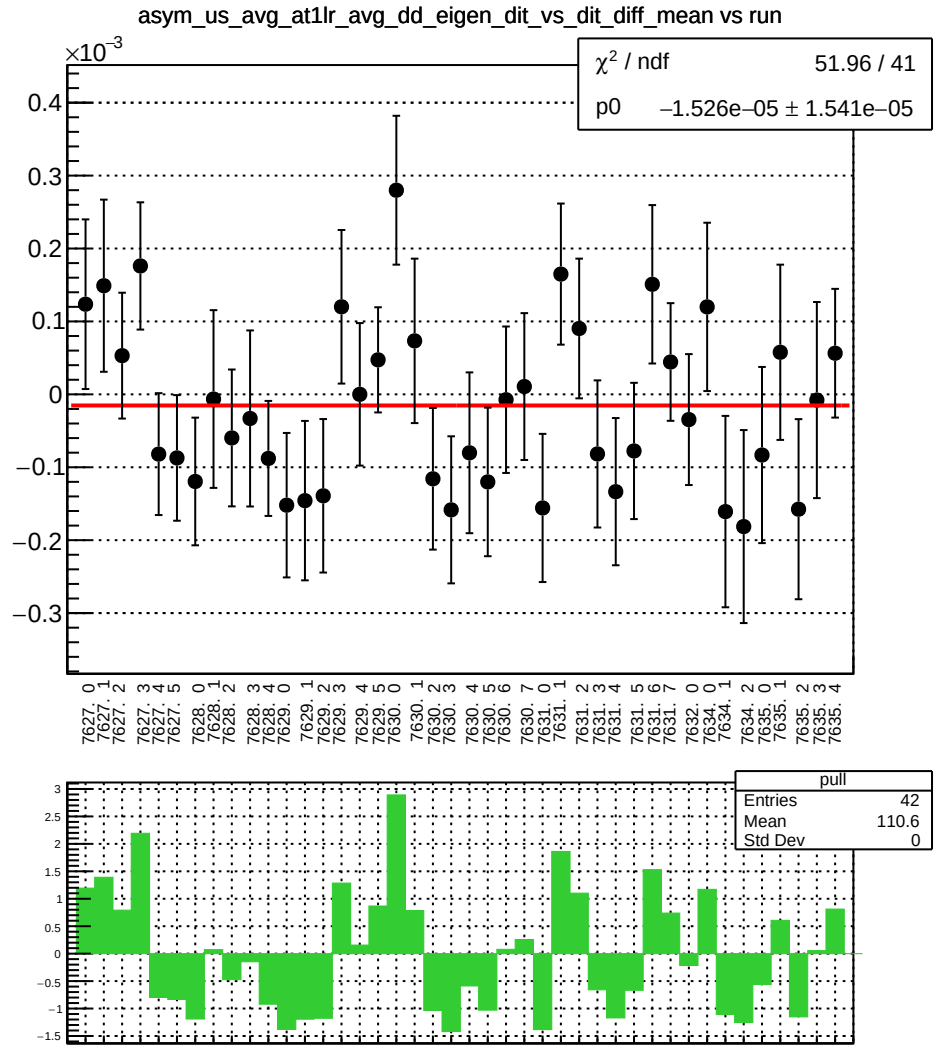

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.902e+05 / 41
p0 3.189e−10 ± 5.489e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

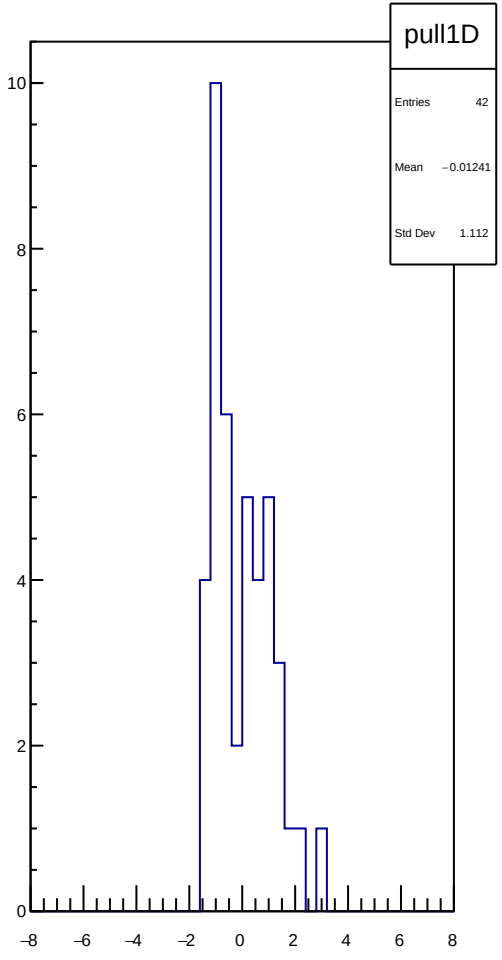

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 28.84 / 41
p0 0.02025 ± 0.09934
pull
Entries 42
Mean 65.97
Std Dev 0
pull1D
Entries 42
Mean 0.009271
Std Dev 0.8286

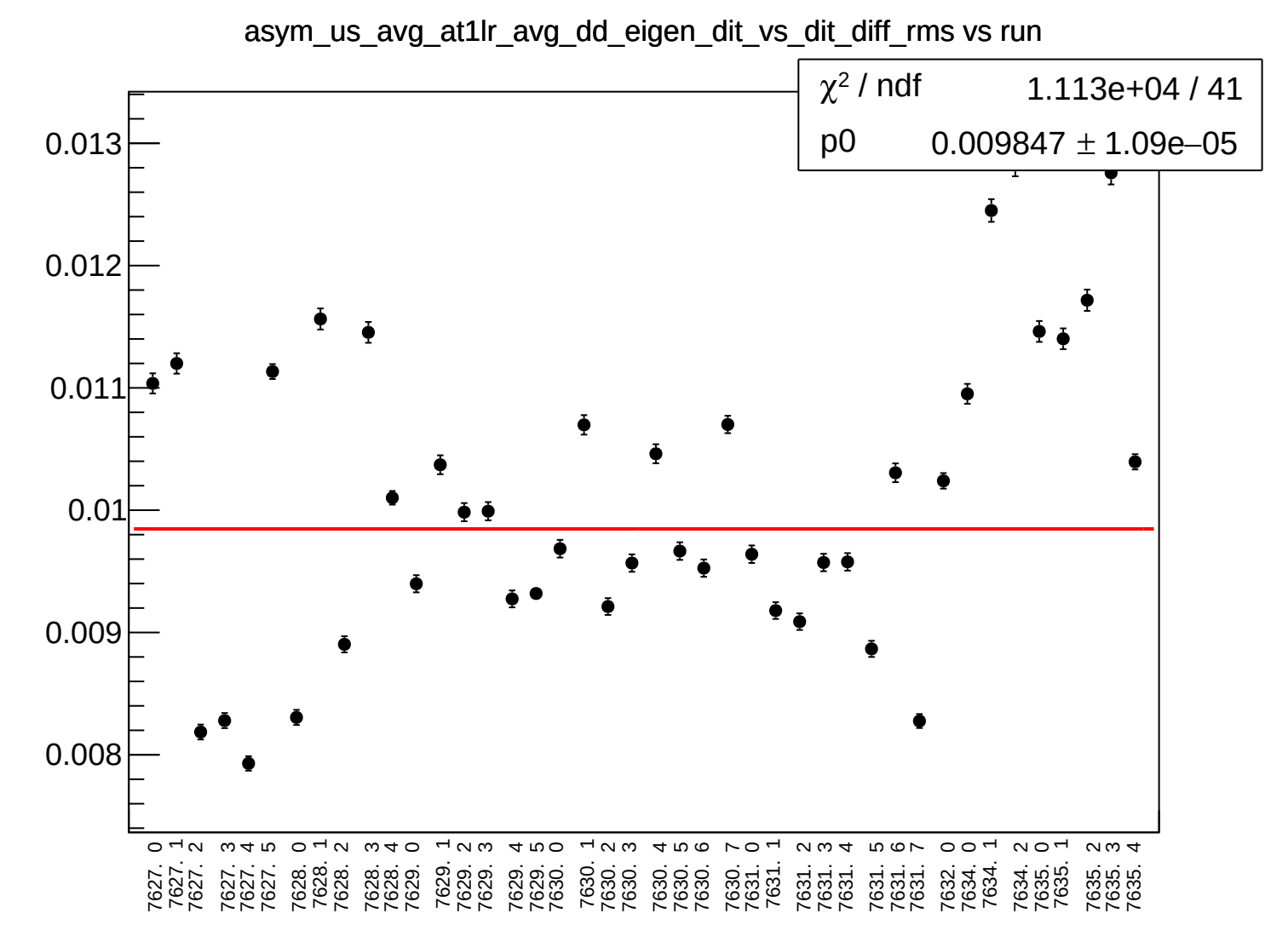

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.296e+04 / 41
p0 61.03 ± 0.07024
180
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

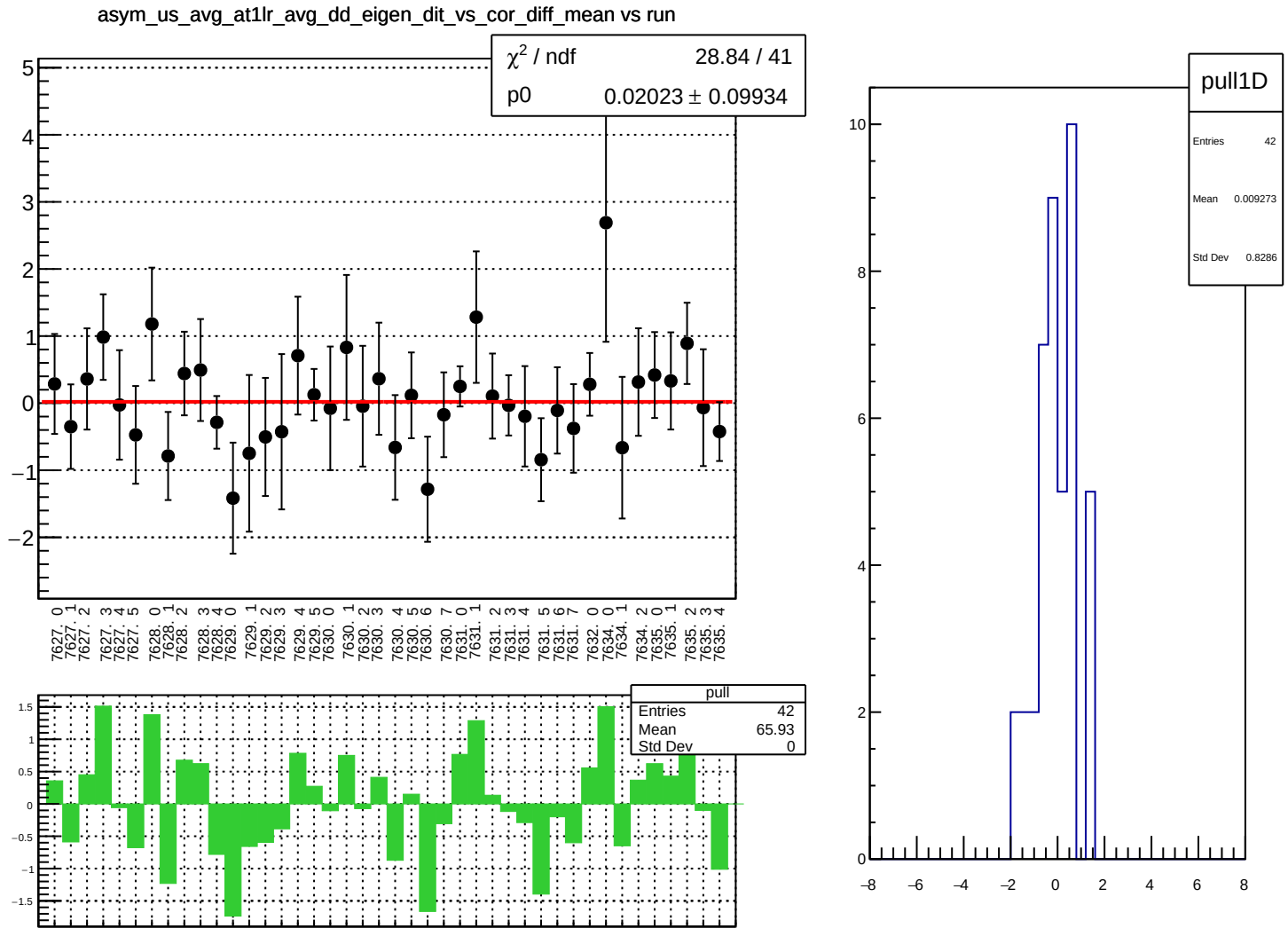

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.84 / 41
p0 0.02025 ± 0.09934
pull
Entries 42
Mean 65.97
Std Dev 0
pull1D
Entries 42
Mean 0.009271
Std Dev 0.8286

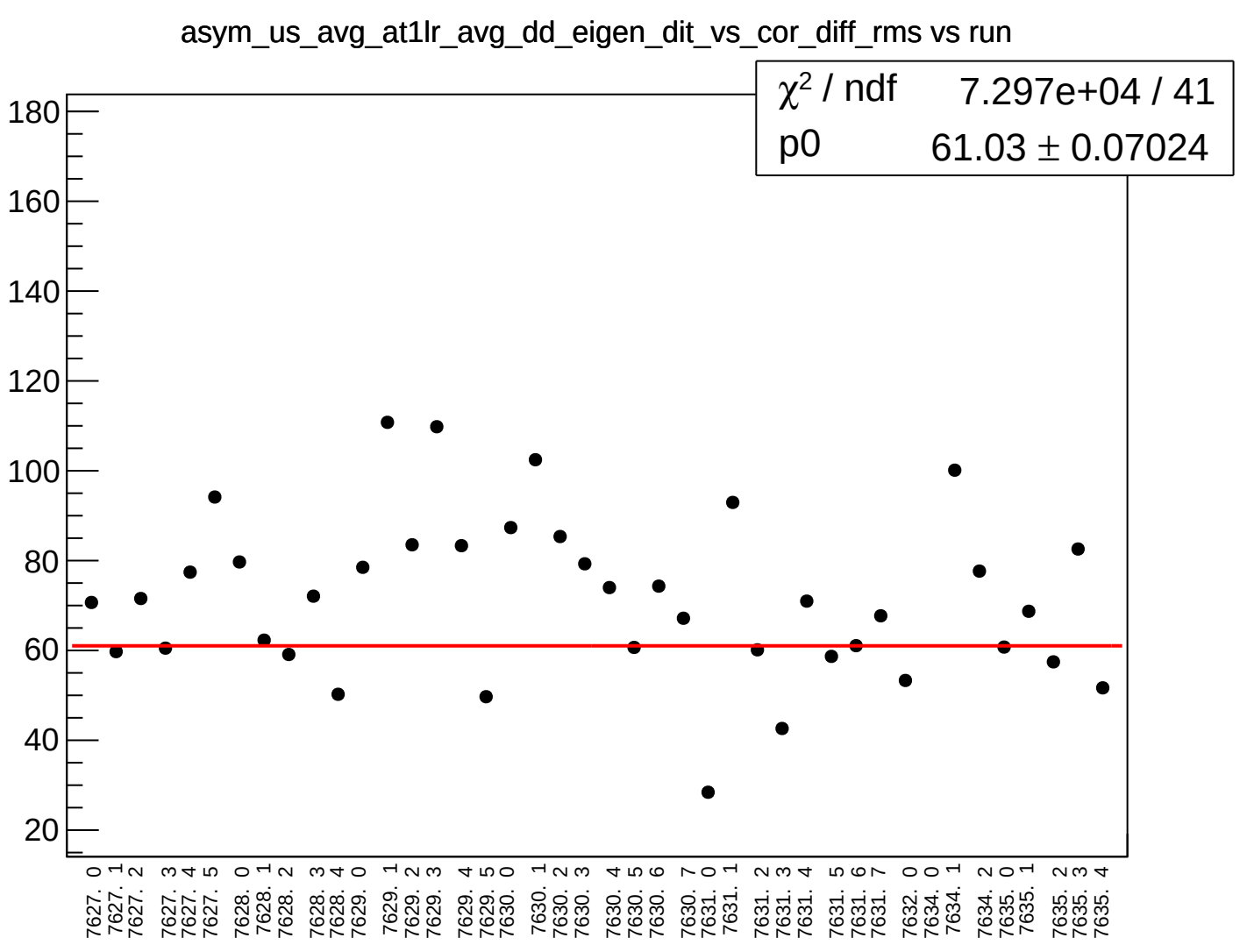

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.296e+04 / 41
p0 61.03 ± 0.07024
180
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

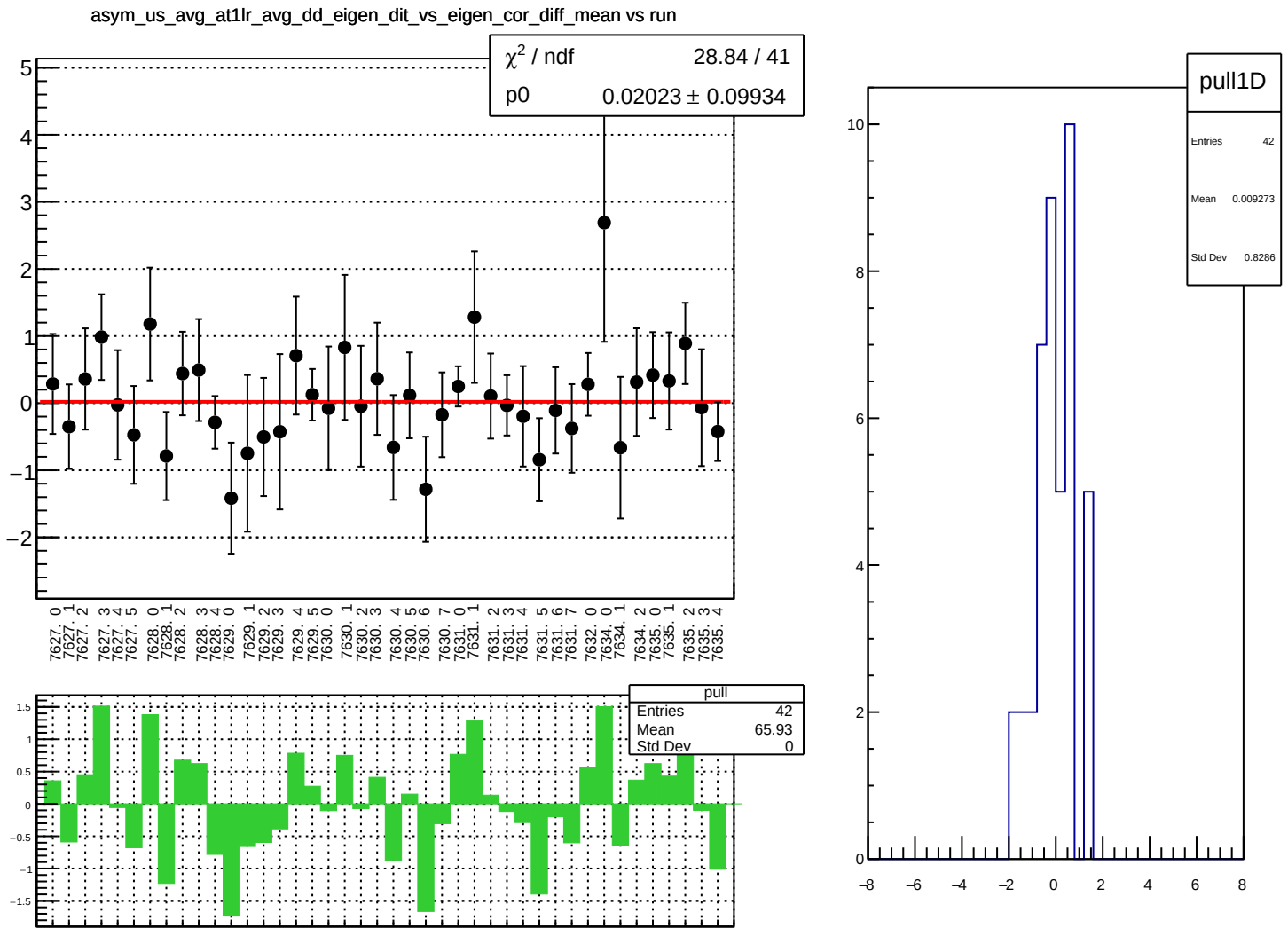

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.96 / 41
p0 −1.526e−05 ± 1.541e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 110.6
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

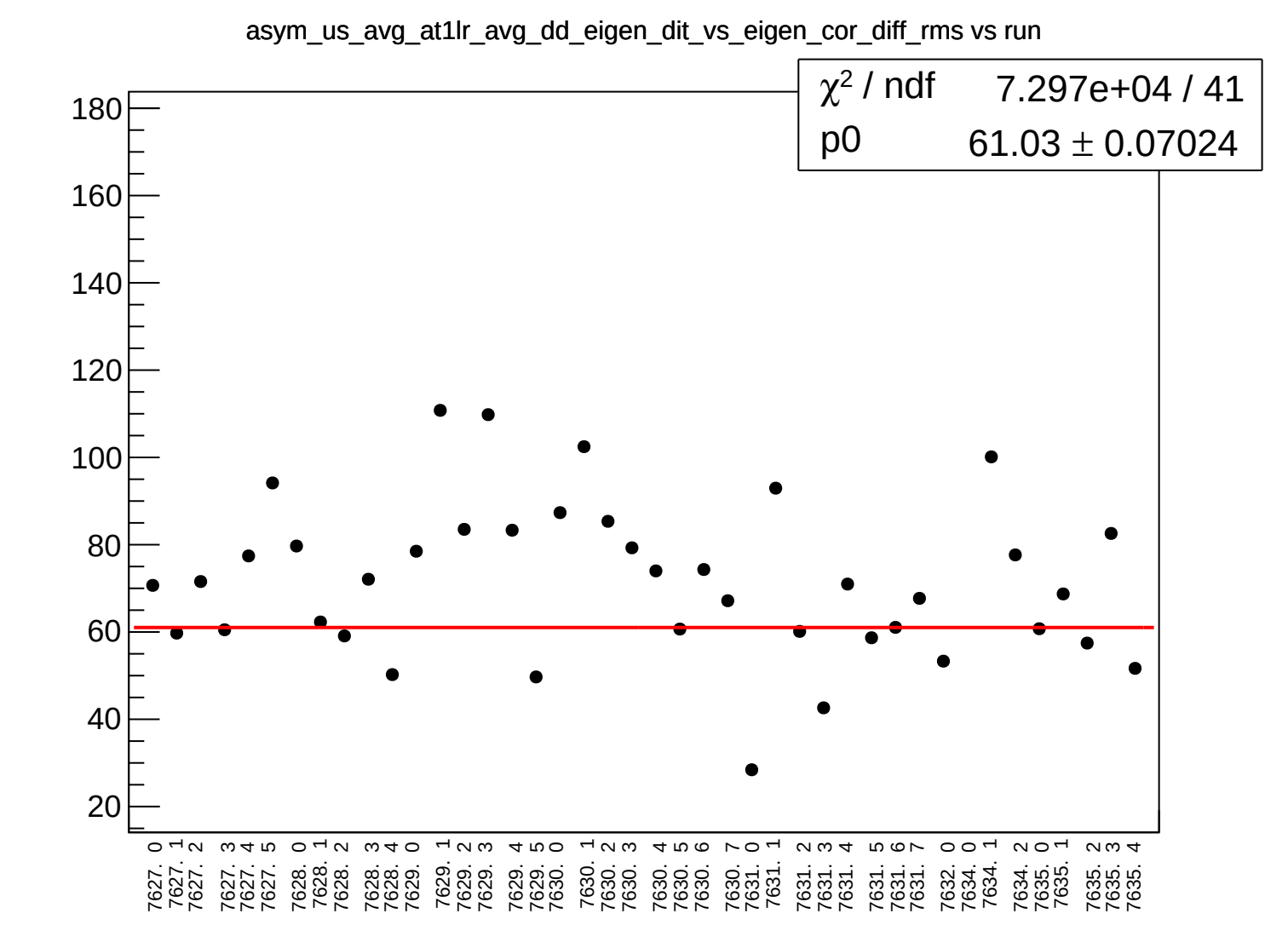

pull1D
Entries 42
Mean −0.01241
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

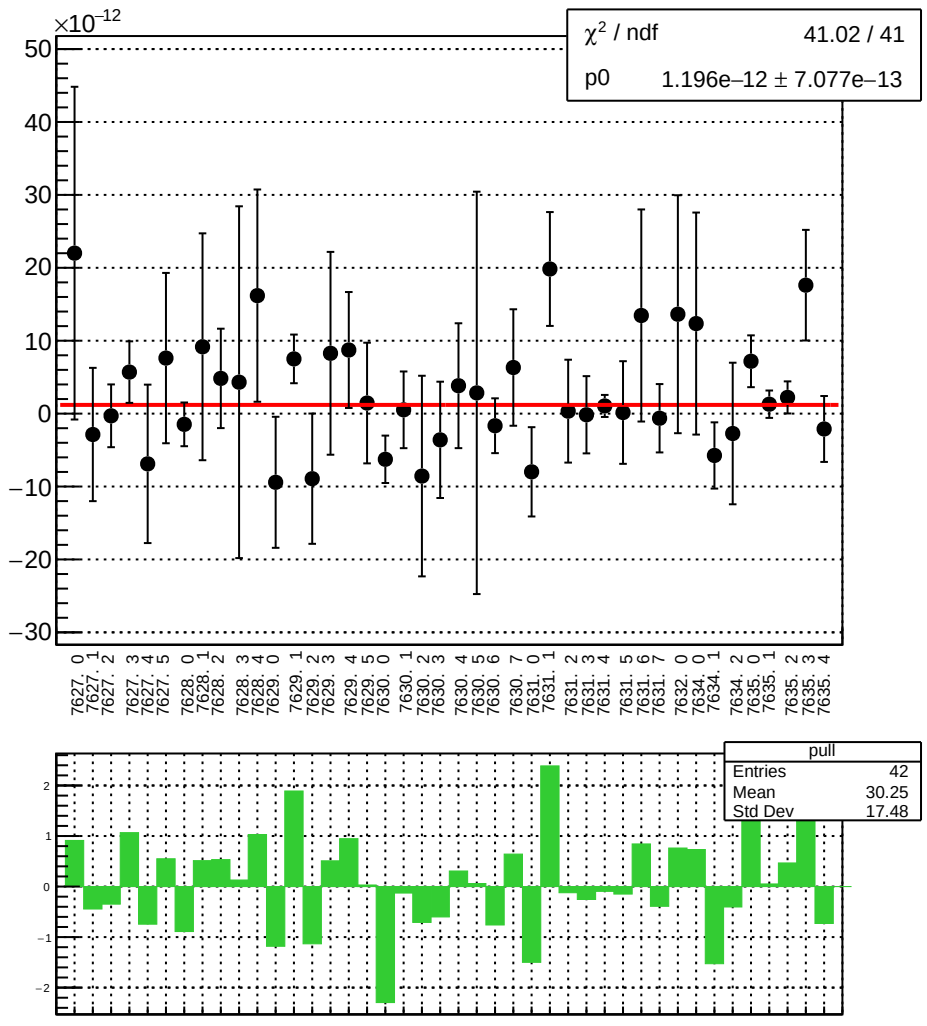

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.113e+04 / 41
p0 0.009847 ± 1.09e−05
0.013
0.012
0.011
0.01
0.009
0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

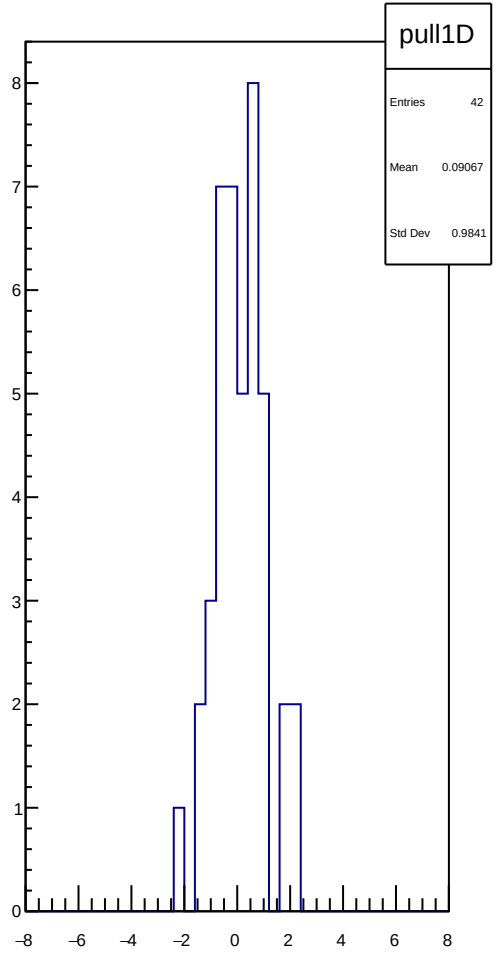

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.84 / 41
p0 0.02023 ± 0.09934
pull
Entries 42
Mean 65.93
Std Dev 0
pull1D
Entries 42
Mean 0.009273
Std Dev 0.8286

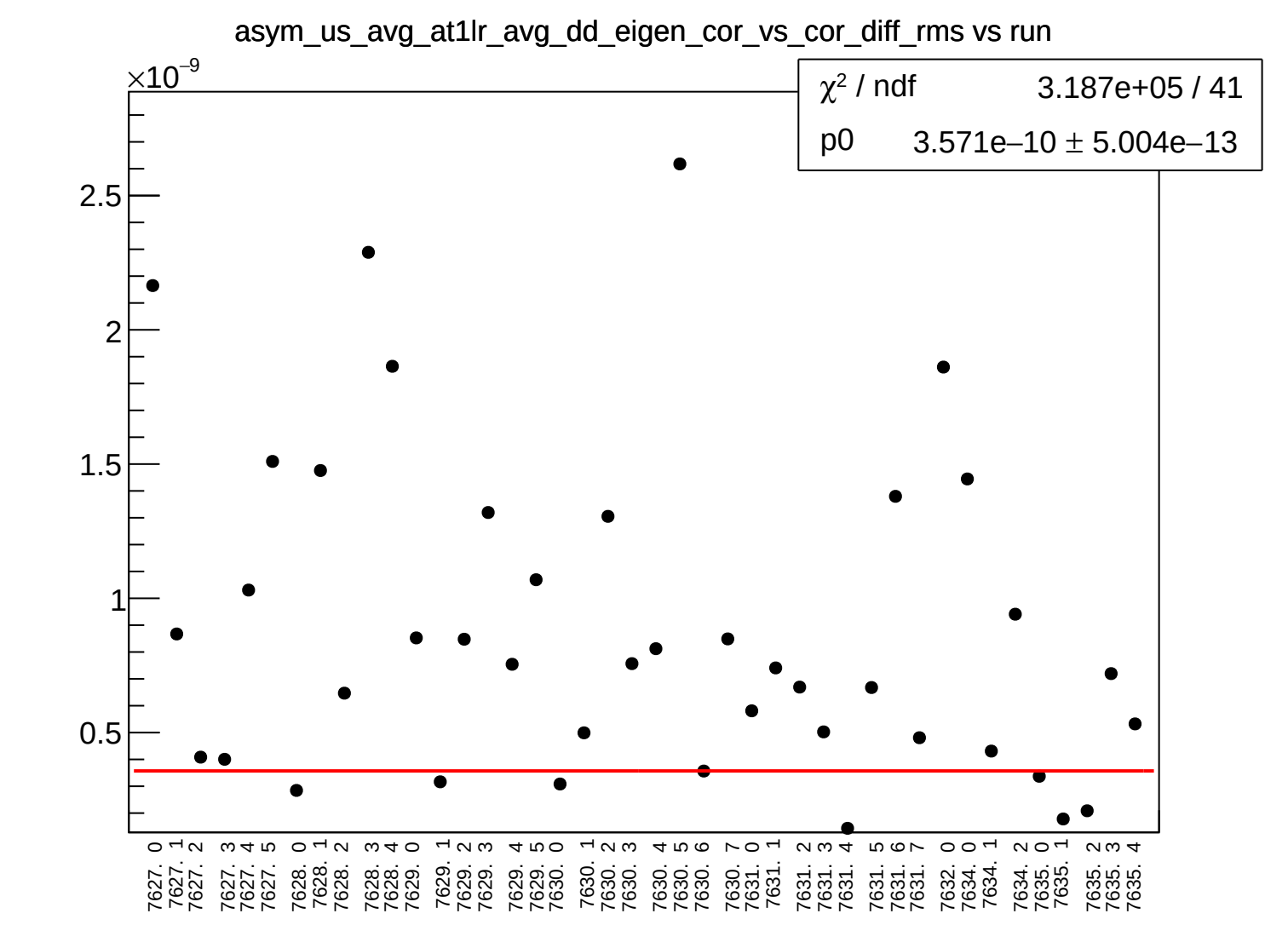

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.297e+04 / 41
p0 61.03 ± 0.07024
180
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

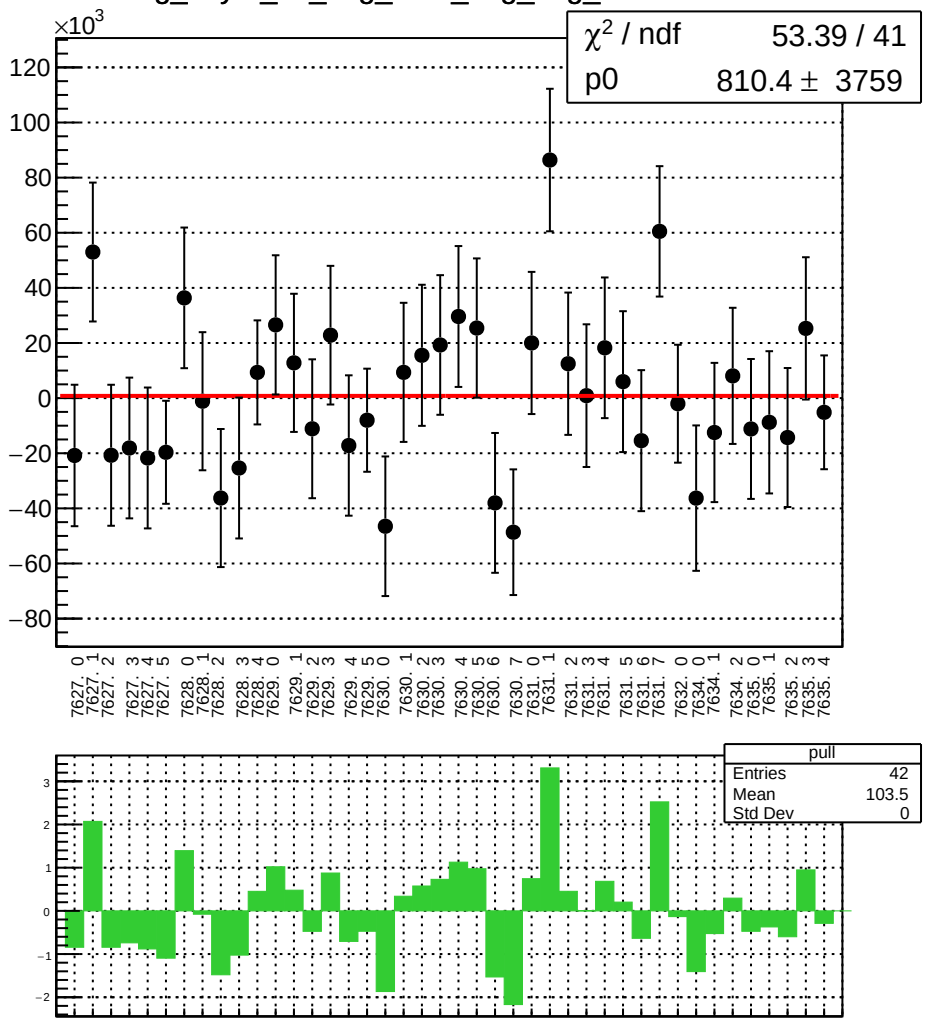

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.84 / 41
p0 0.02023 ± 0.09934
pull
Entries 42
Mean 65.93
Std Dev 0
pull1D
Entries 42
Mean 0.009273
Std Dev 0.8286

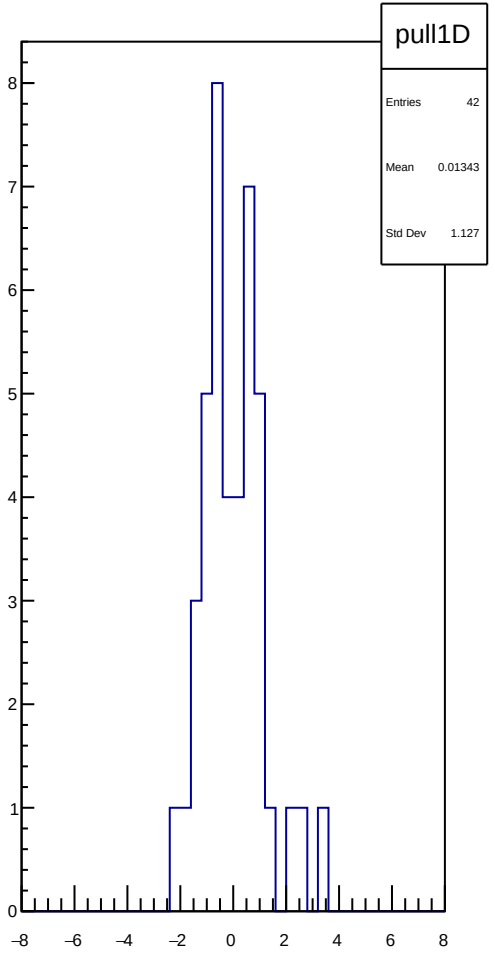

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.297e+04 / 41
p0 61.03 ± 0.07024
180
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

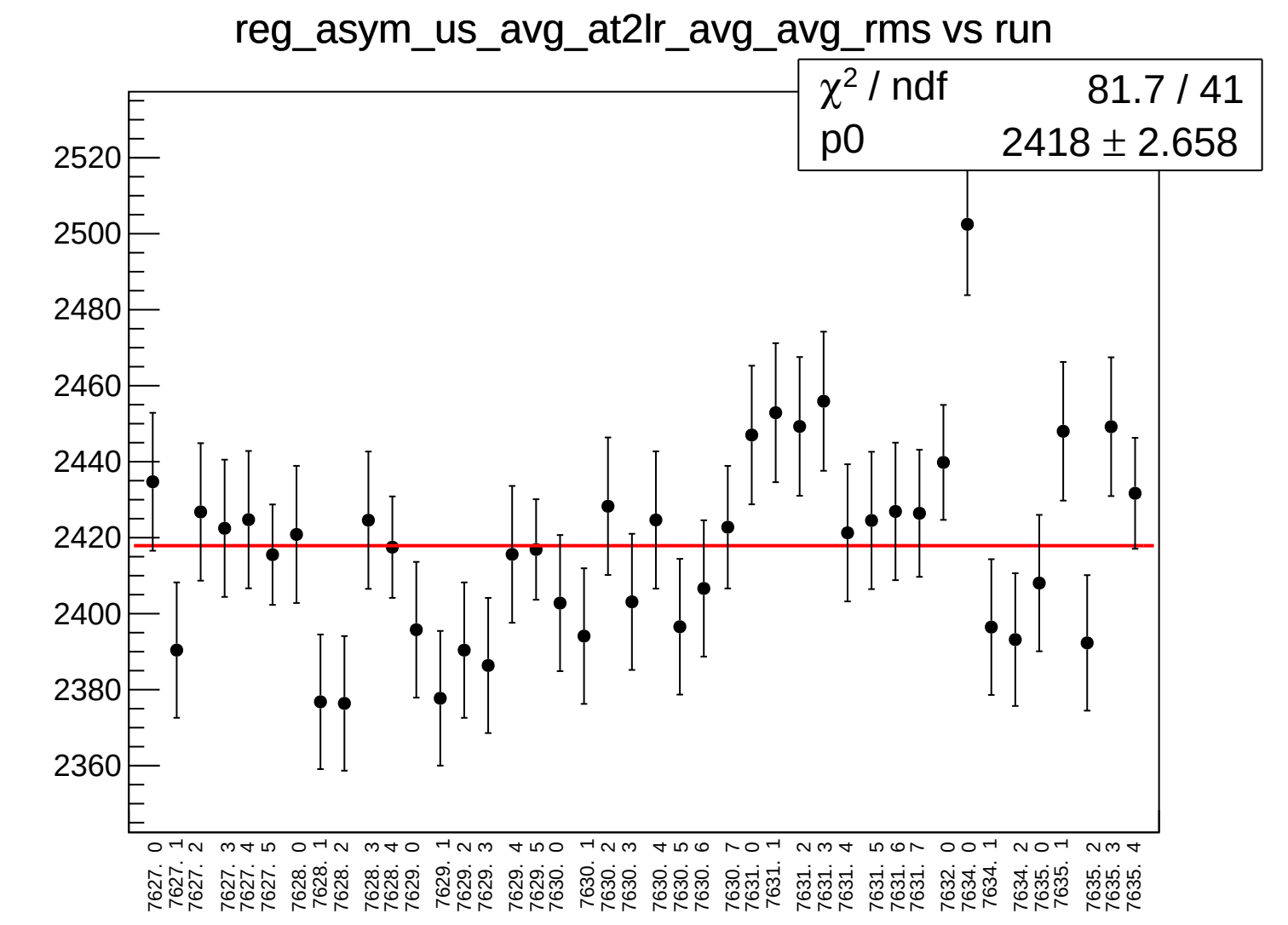

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.02 / 41
p0 1.196e−12 ± 7.077e−13
pull
Entries 42
Mean 30.25
Std Dev 17.48

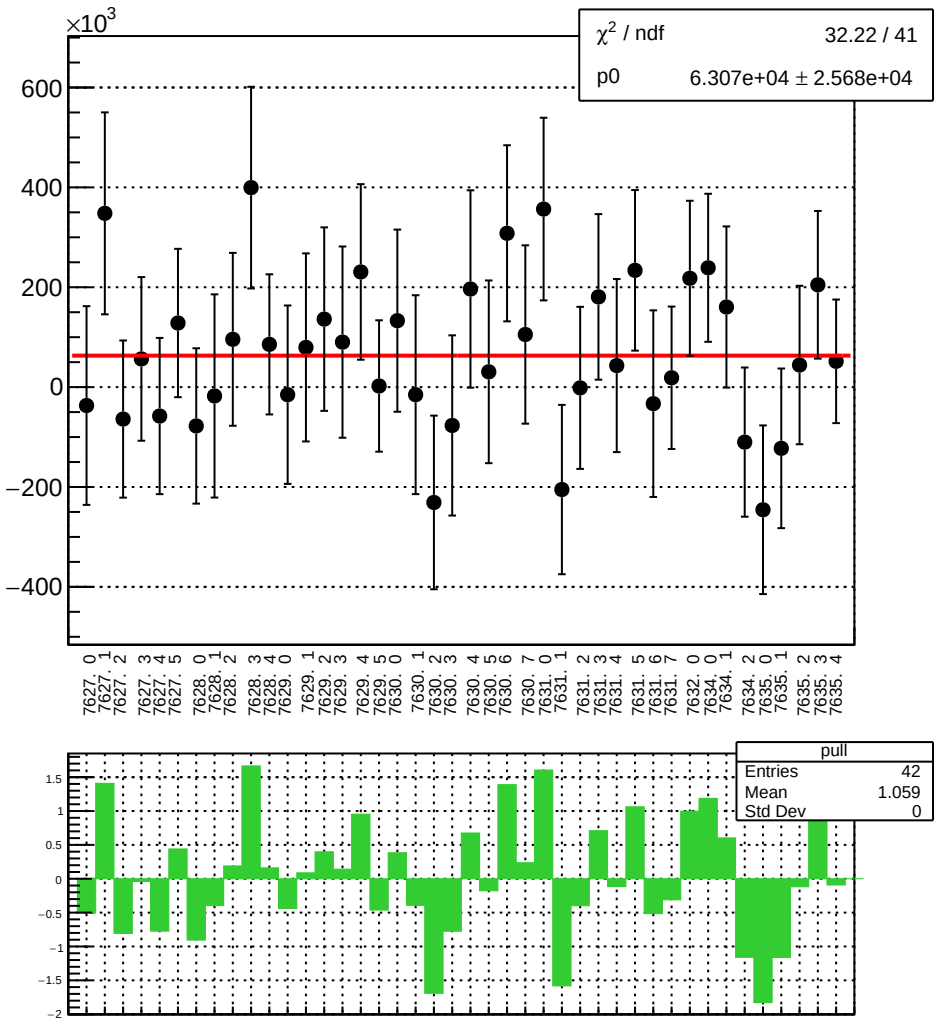

pull1D
Entries 42
Mean 0.09067
Std Dev 0.9841

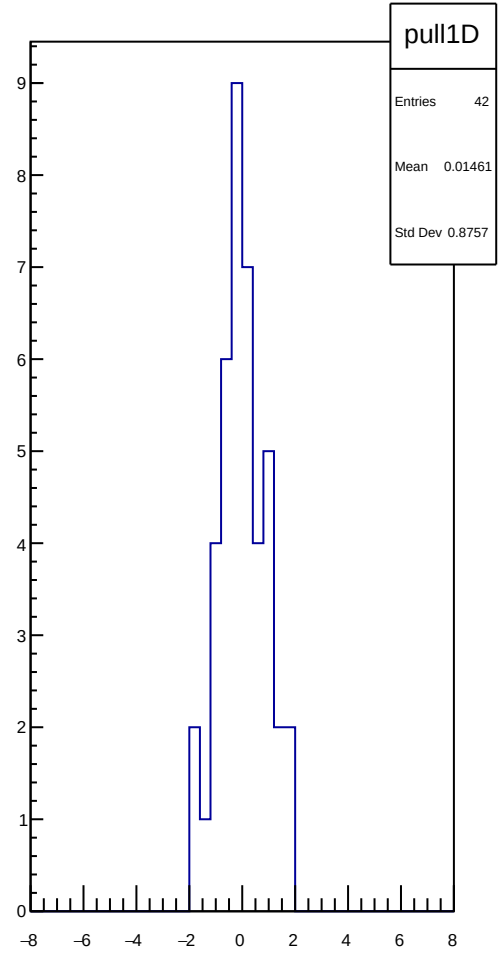

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.187e+05 / 41
p0 3.571e−10 ± 5.004e−13
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

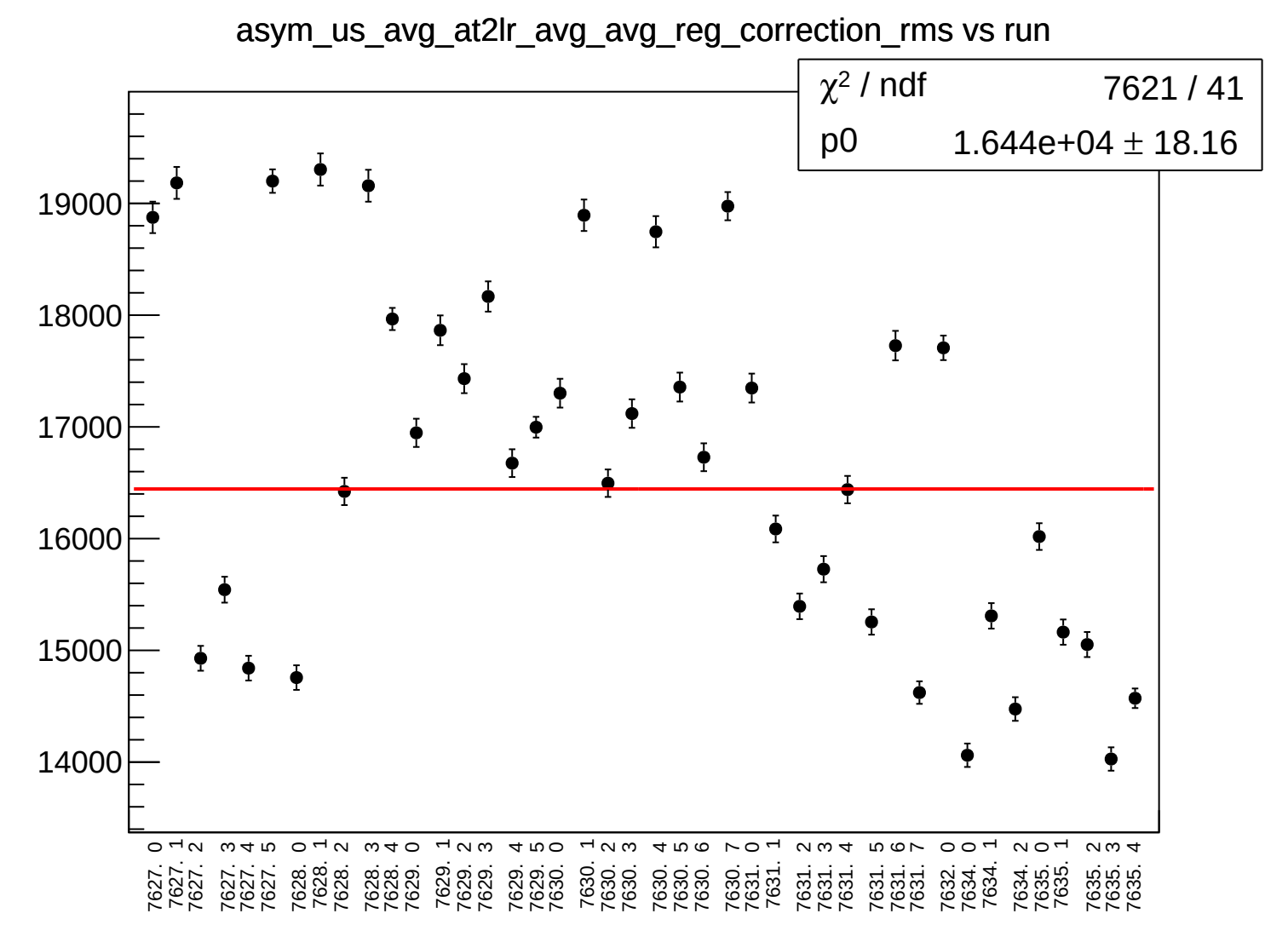

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 53.39 / 41
p0 810.4 ± 3759
×10³
pull
Entries 42
Mean 103.5
Std Dev 0

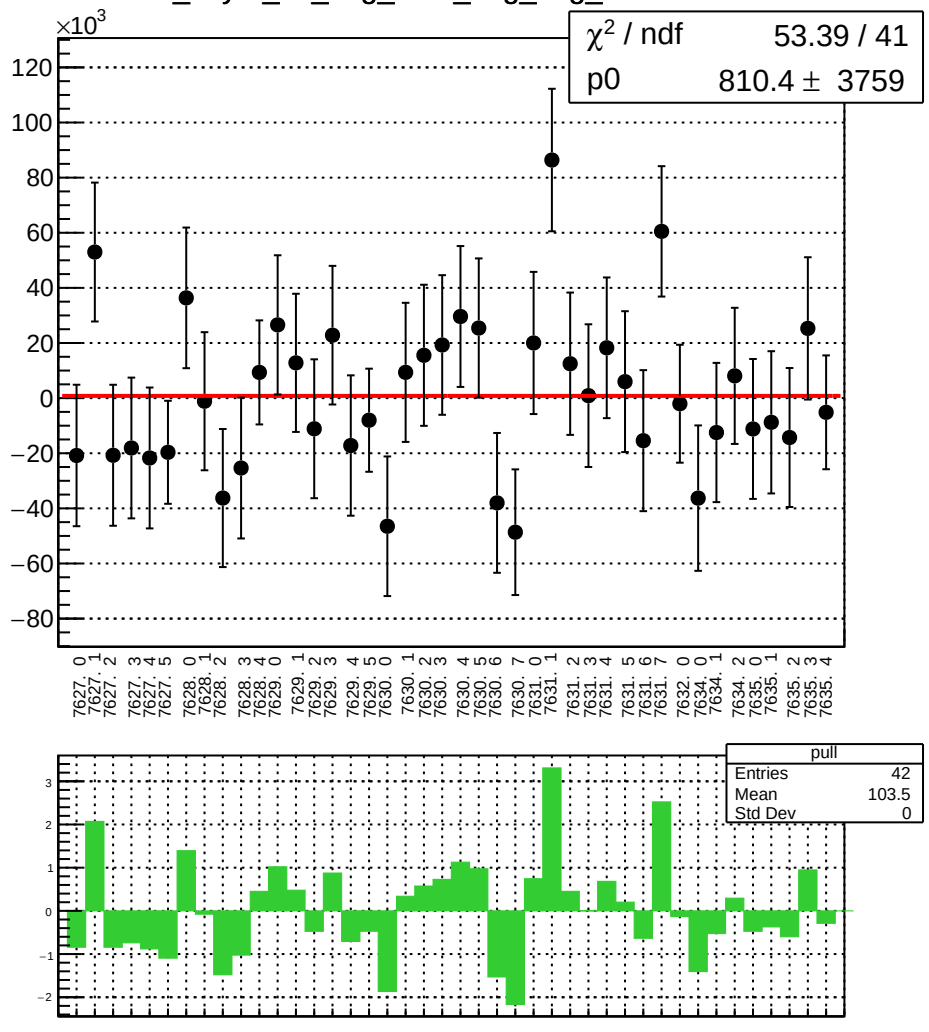

pull1D
Entries 42
Mean 0.01343
Std Dev 1.127

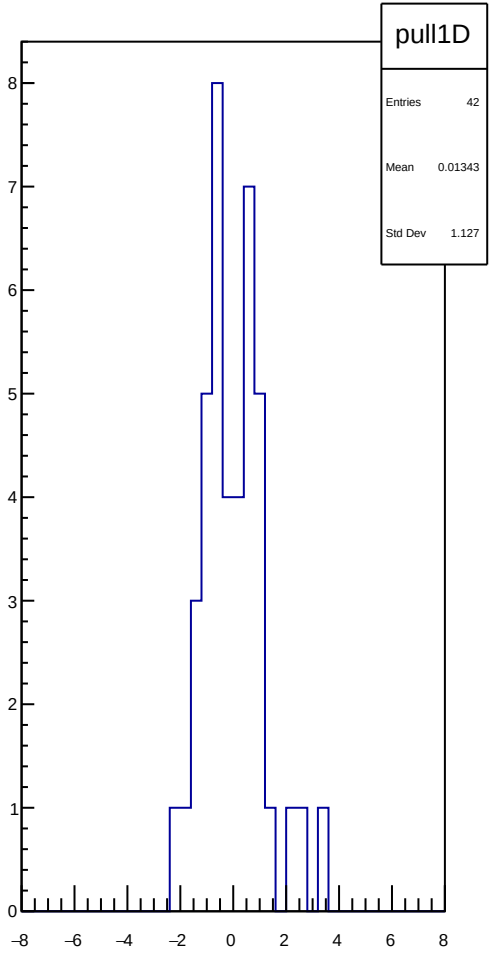

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 81.7 / 41
p0 2418 ± 2.658
2520
2500
2480
2460
2440
2420
2400
2380
2360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

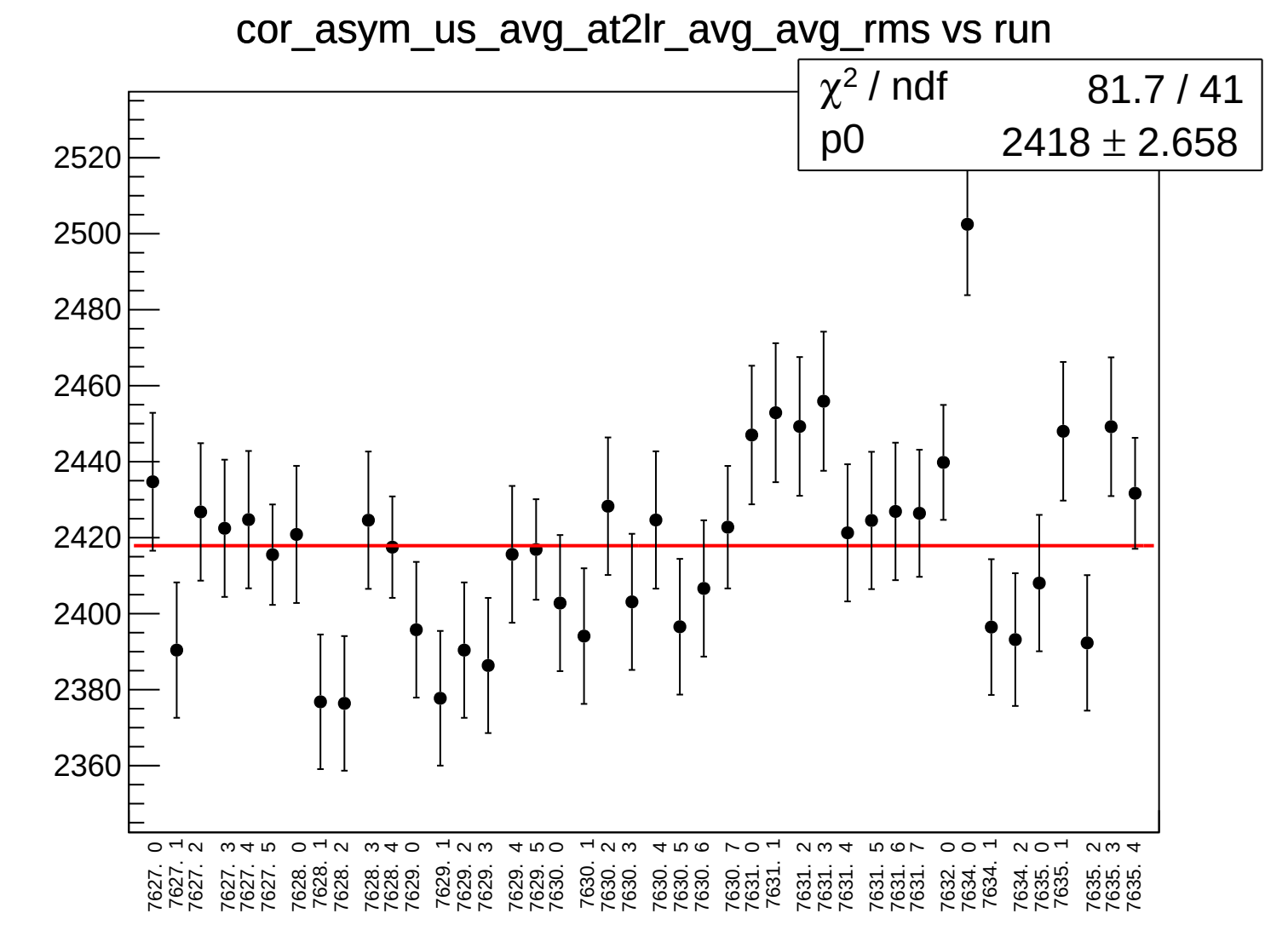

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 32.22 / 41
p0 6.307e+04 ± 2.568e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1.059
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

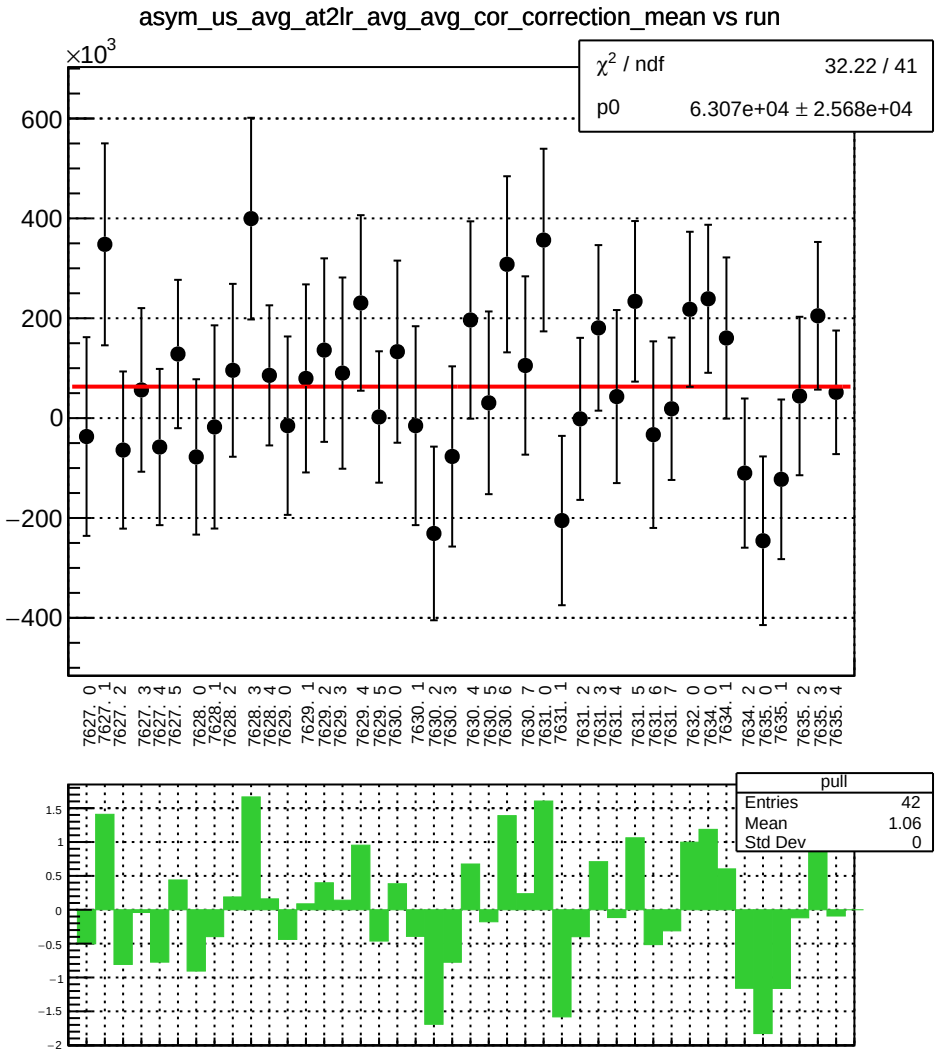

pull1D
Entries 42
Mean 0.01461
Std Dev 0.8757
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

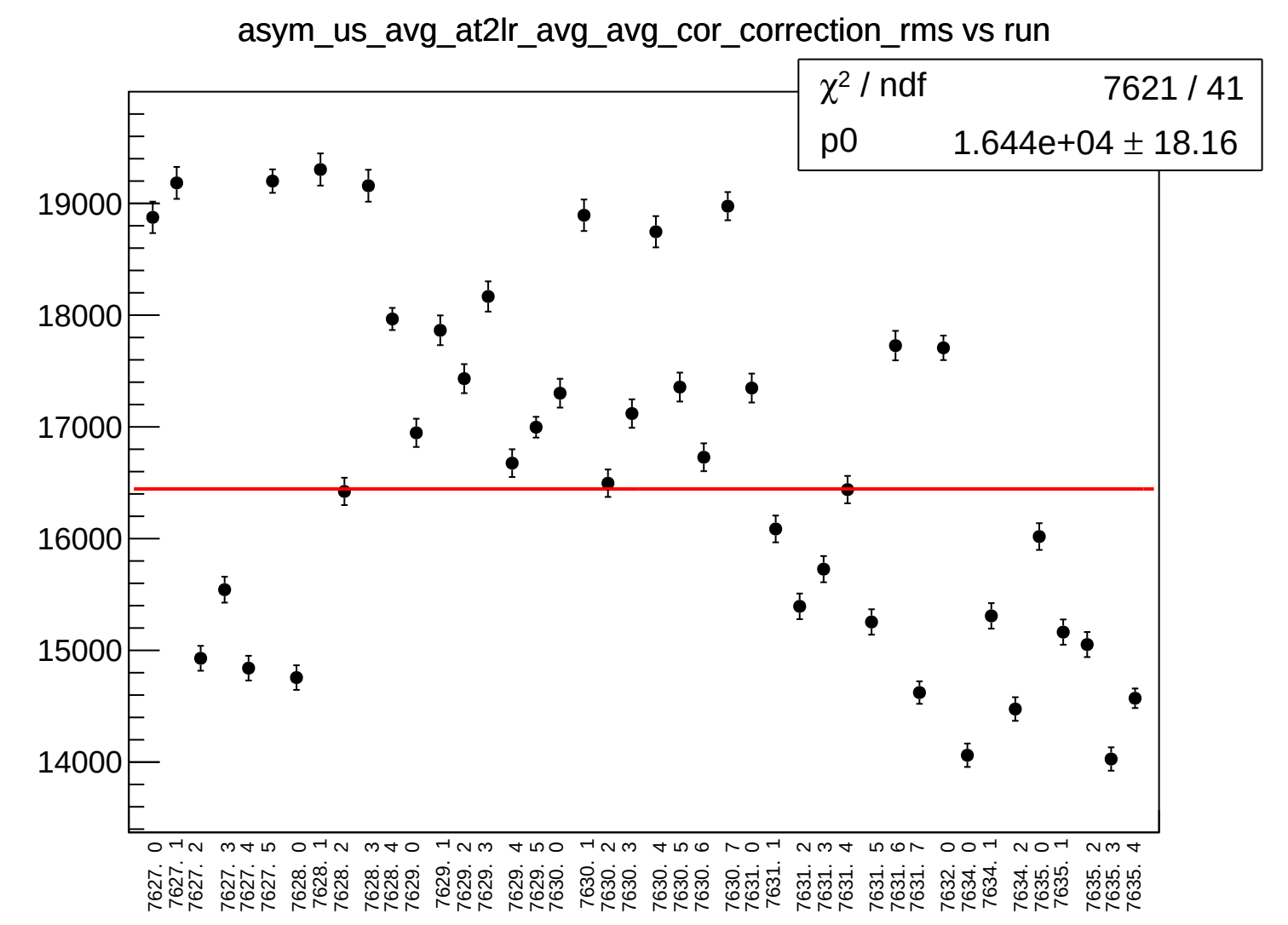

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 7621 / 41
p0 1.644e+04 ± 18.16
19000
18000
17000
16000
15000
14000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

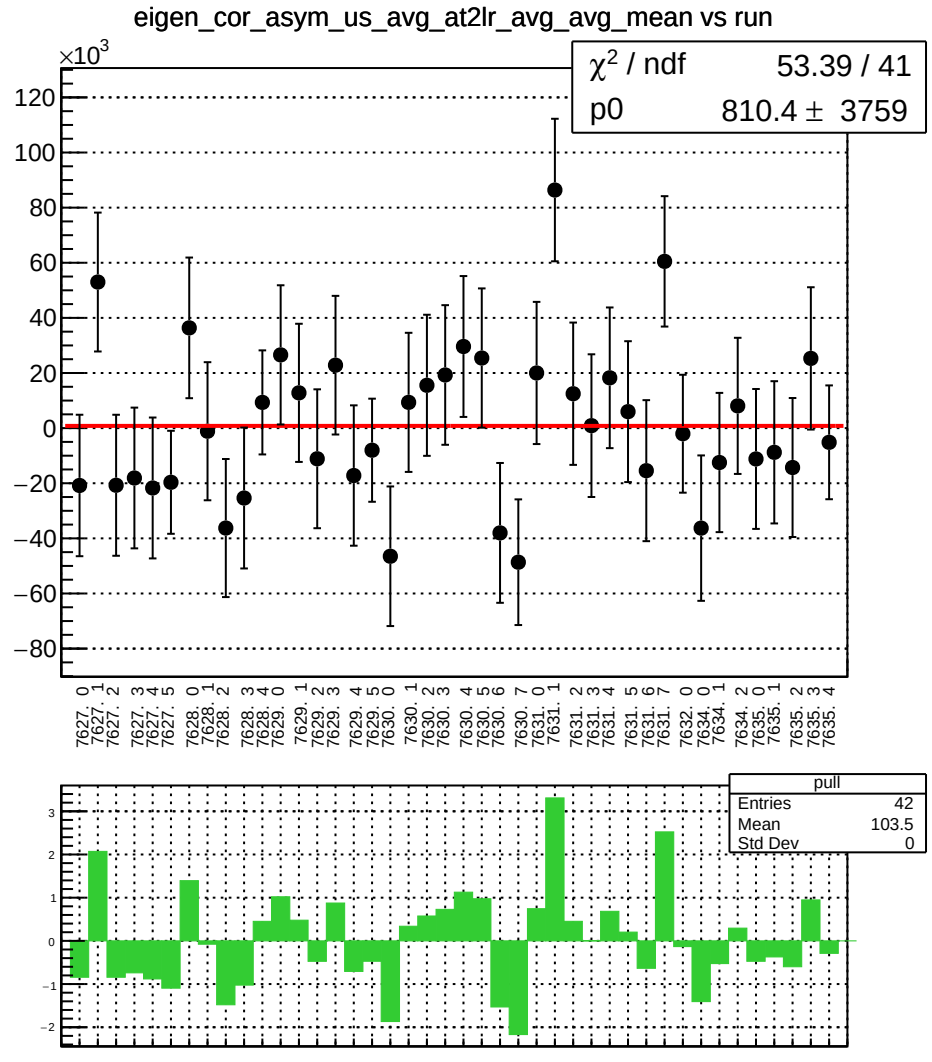

cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 53.39 / 41
p0 810.4 ± 3759
pull
Entries 42
Mean 103.5
Std Dev 0

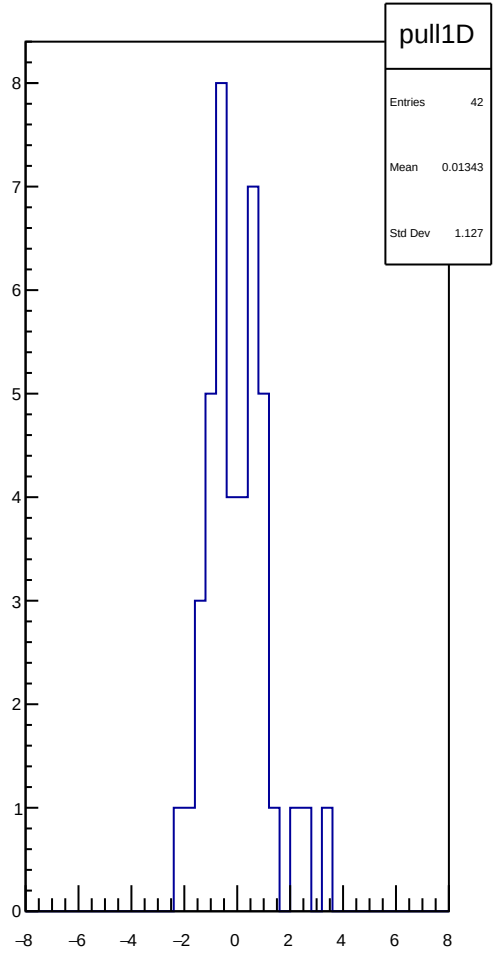

pull1D
Entries 42
Mean 0.01343
Std Dev 1.127

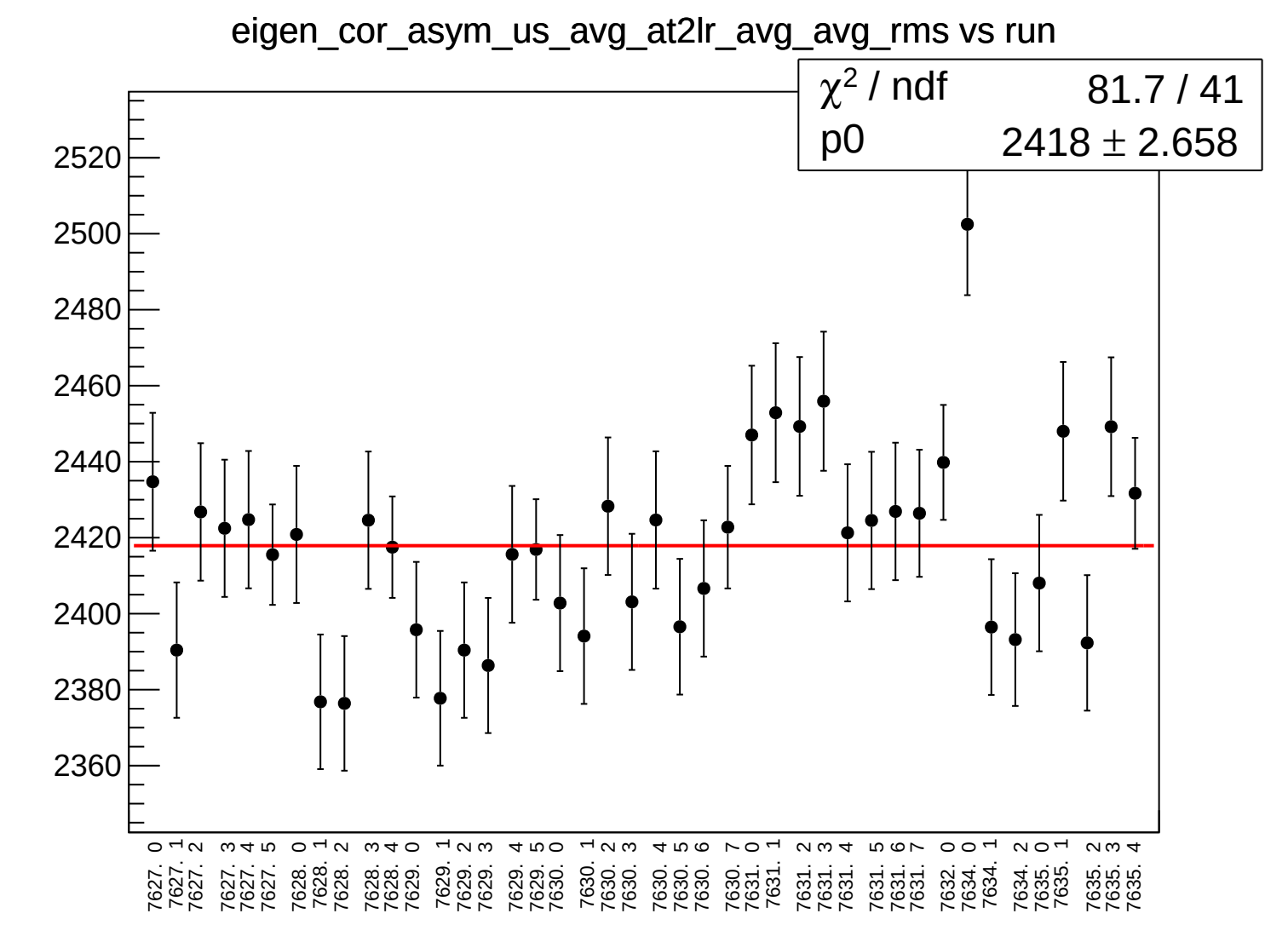

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 81.7 / 41
p0 2418 ± 2.658
2520
2500
2480
2460
2440
2420
2400
2380
2360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

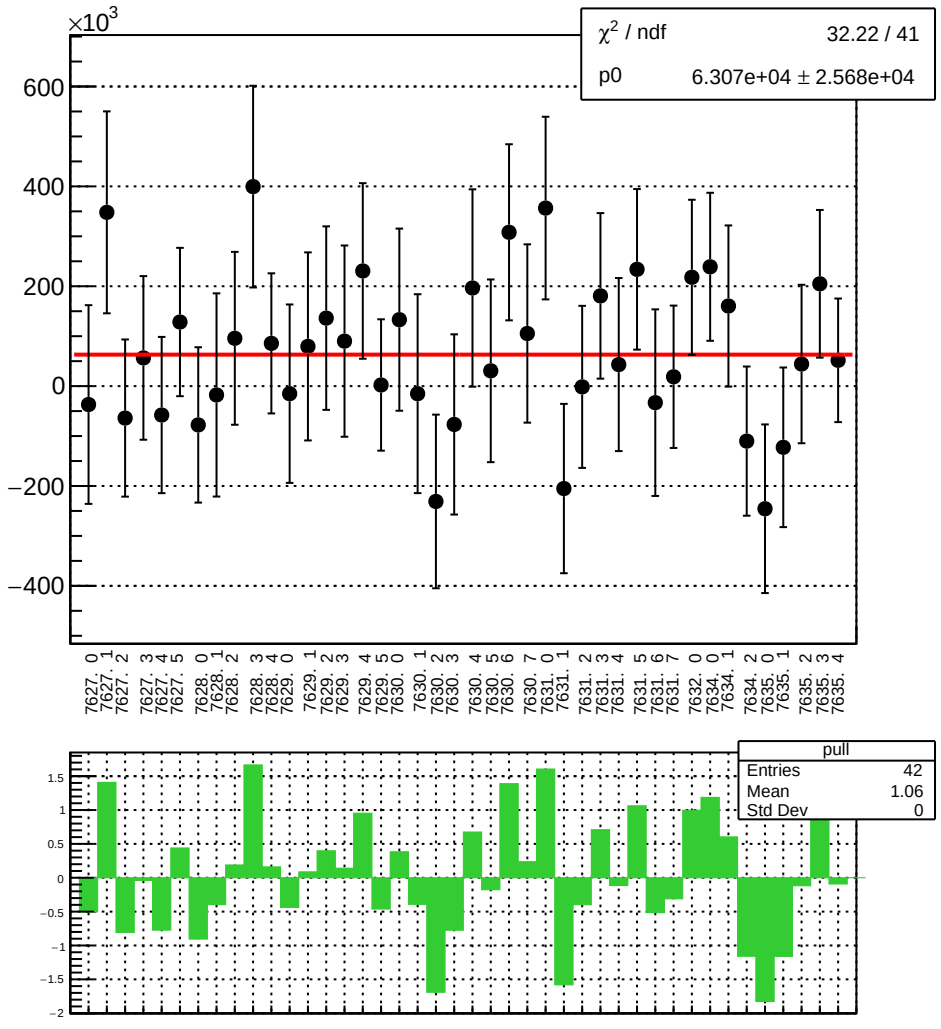

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 32.22 / 41
p0 6.307e+04 ± 2.568e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01461
Std Dev 0.8757
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

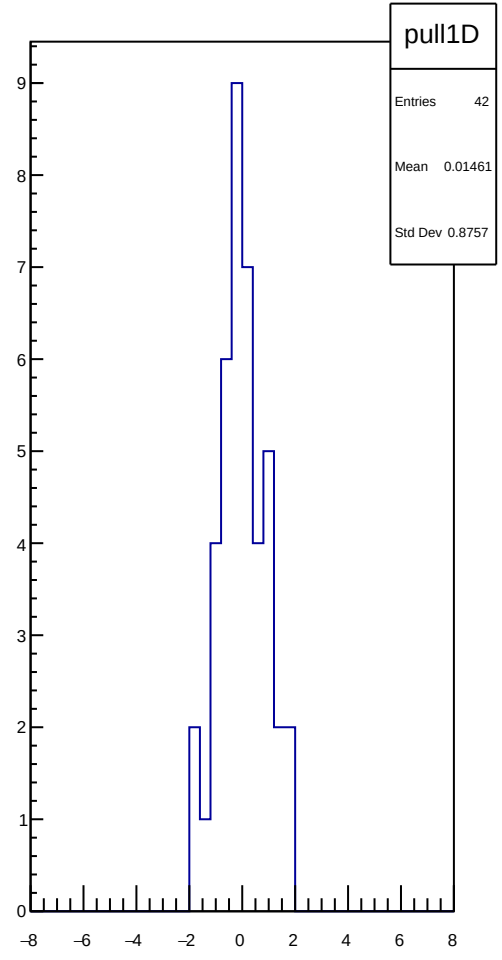

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 7621 / 41
p0 1.644e+04 ± 18.16
19000
18000
17000
16000
15000
14000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

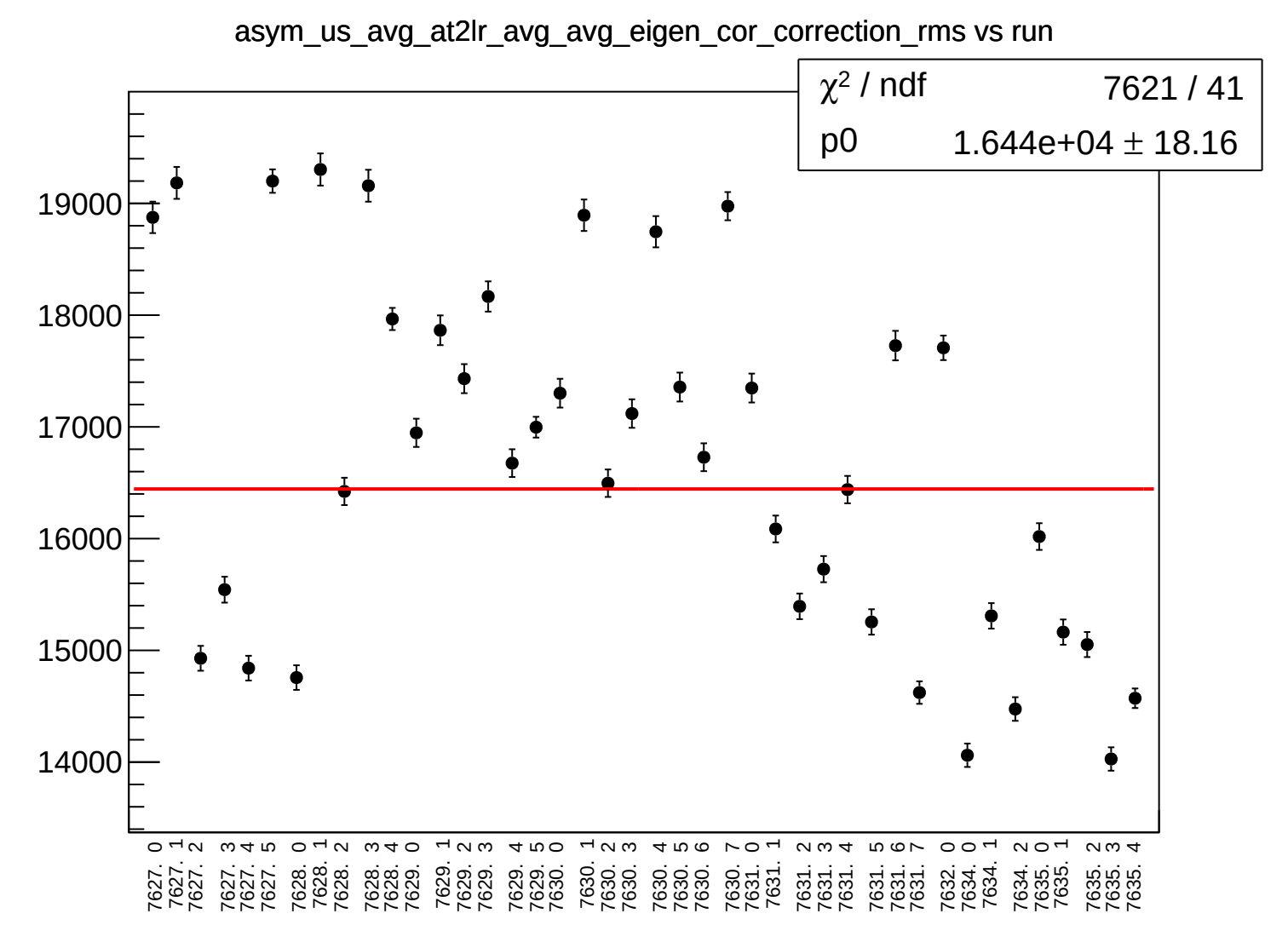

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 53.39 / 41
p0 810.4 ± 3759
pull
Entries 42
Mean 103.5
Std Dev 0

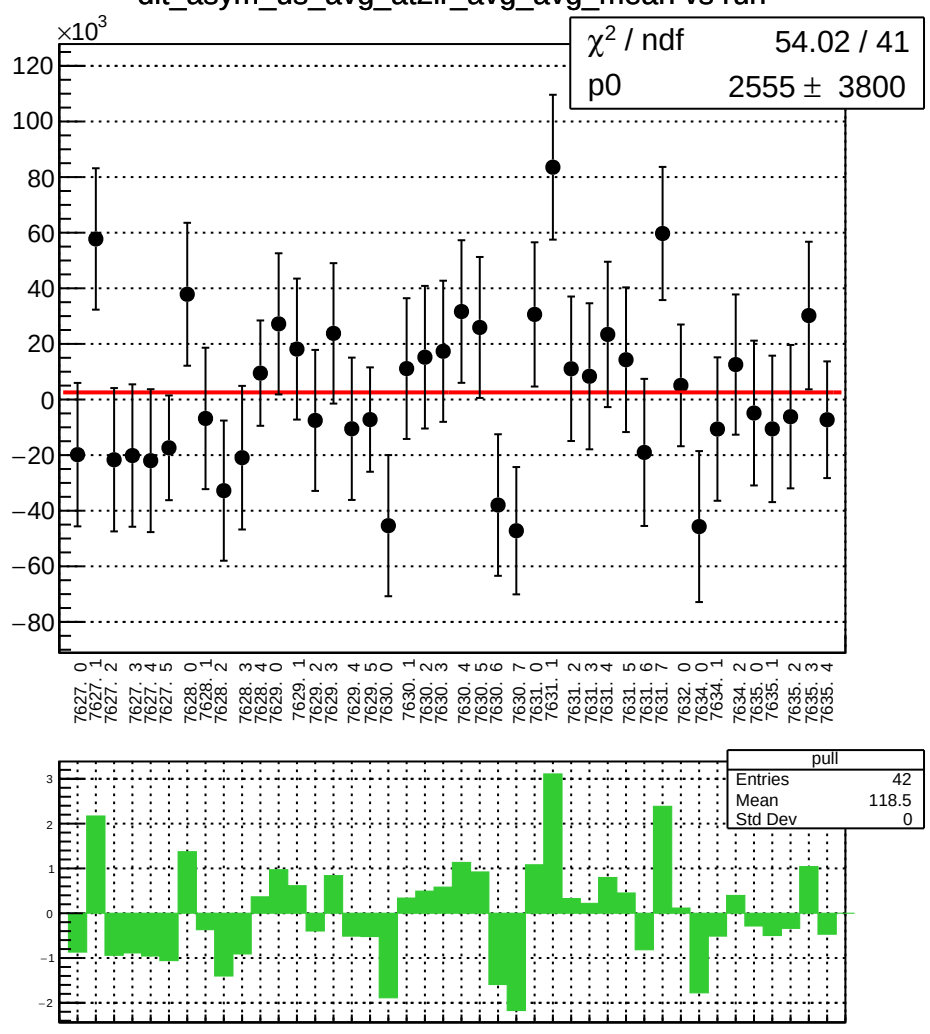

pull1D
Entries 42
Mean 0.01343
Std Dev 1.127

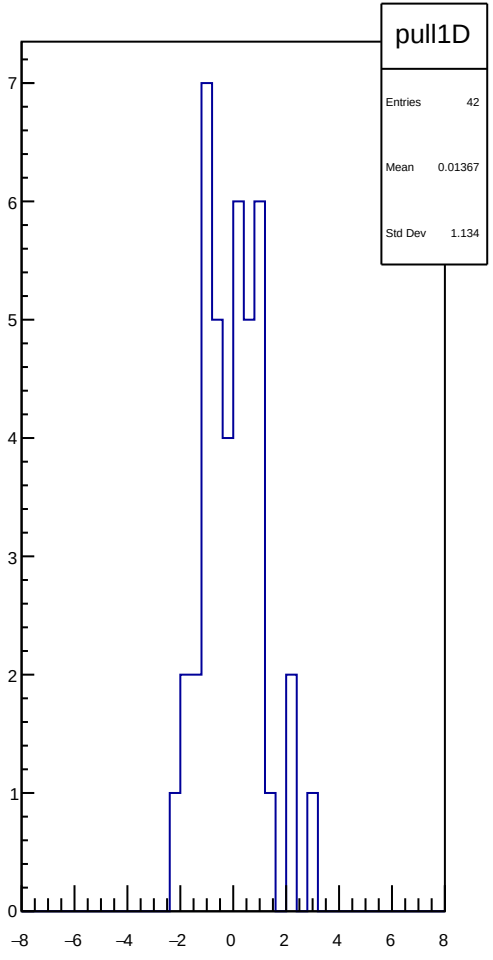

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 81.7 / 41
p0 2418 ± 2.658
2520
2500
2480
2460
2440
2420
2400
2380
2360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

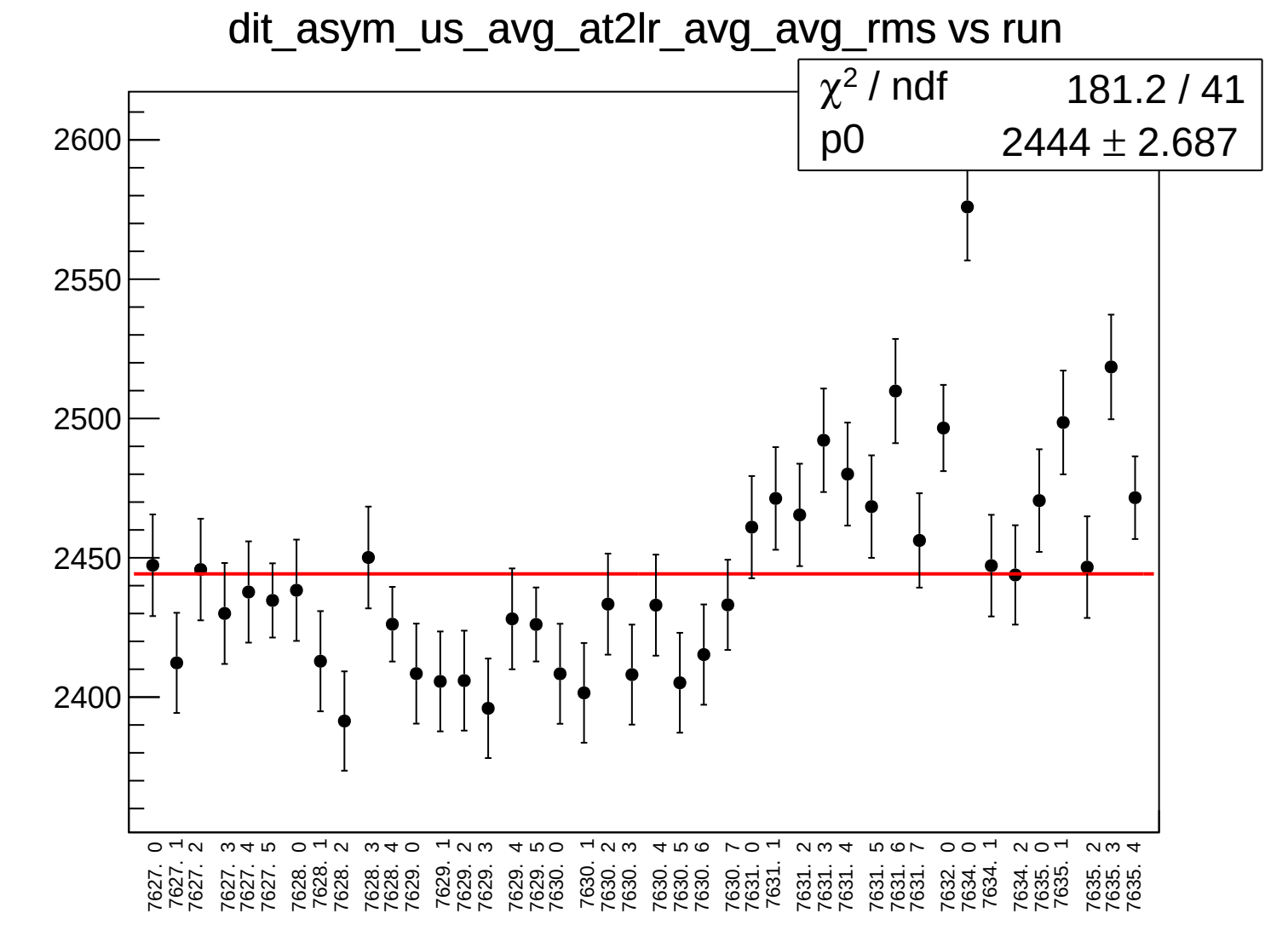

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.22 / 41
p0 6.307e+04 ± 2.568e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

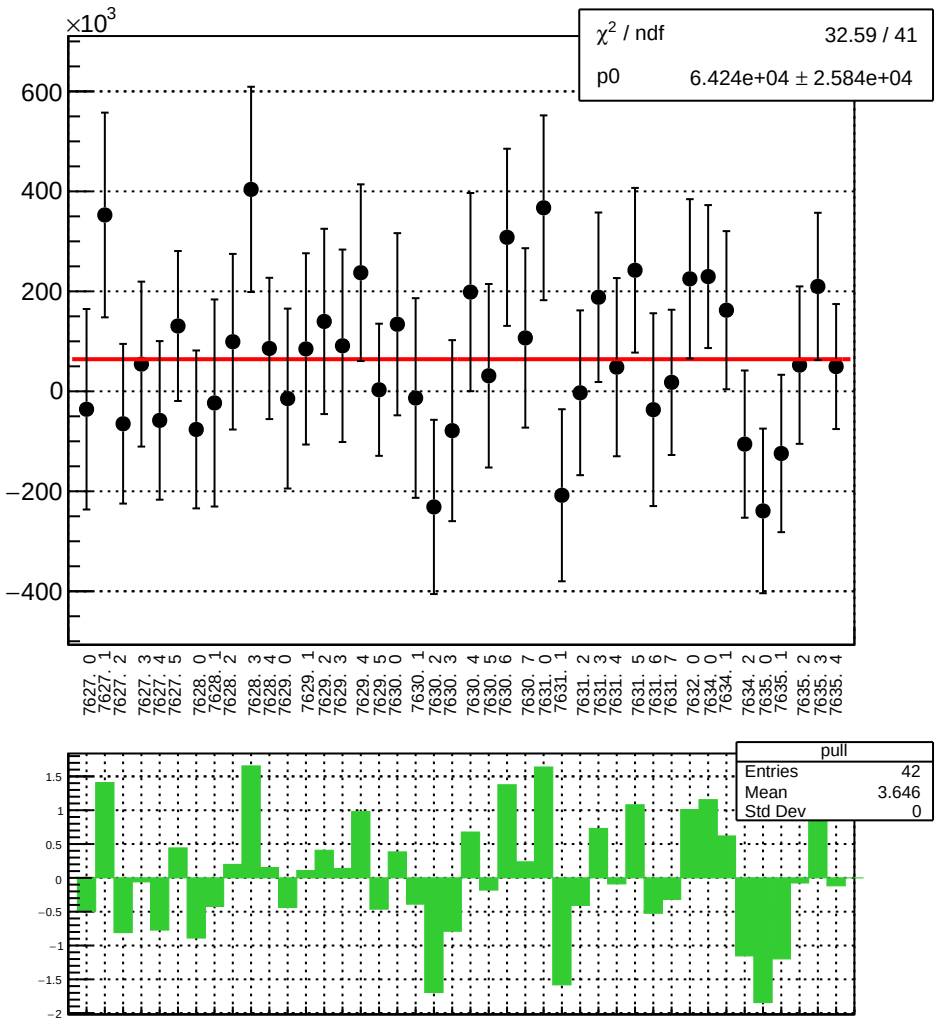

pull1D
Entries 42
Mean 0.01461
Std Dev 0.8757
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

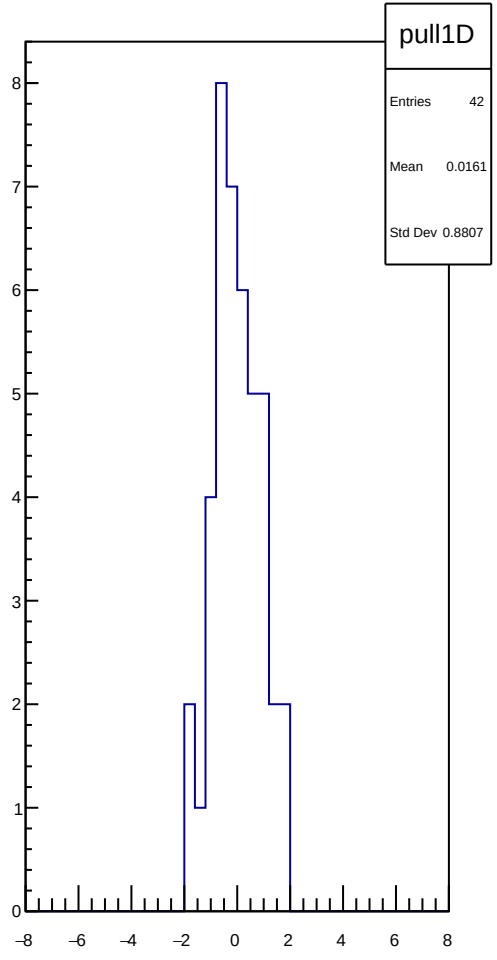

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 7621 / 41
p0 1.644e+04 ± 18.16
19000
18000
17000
16000
15000
14000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

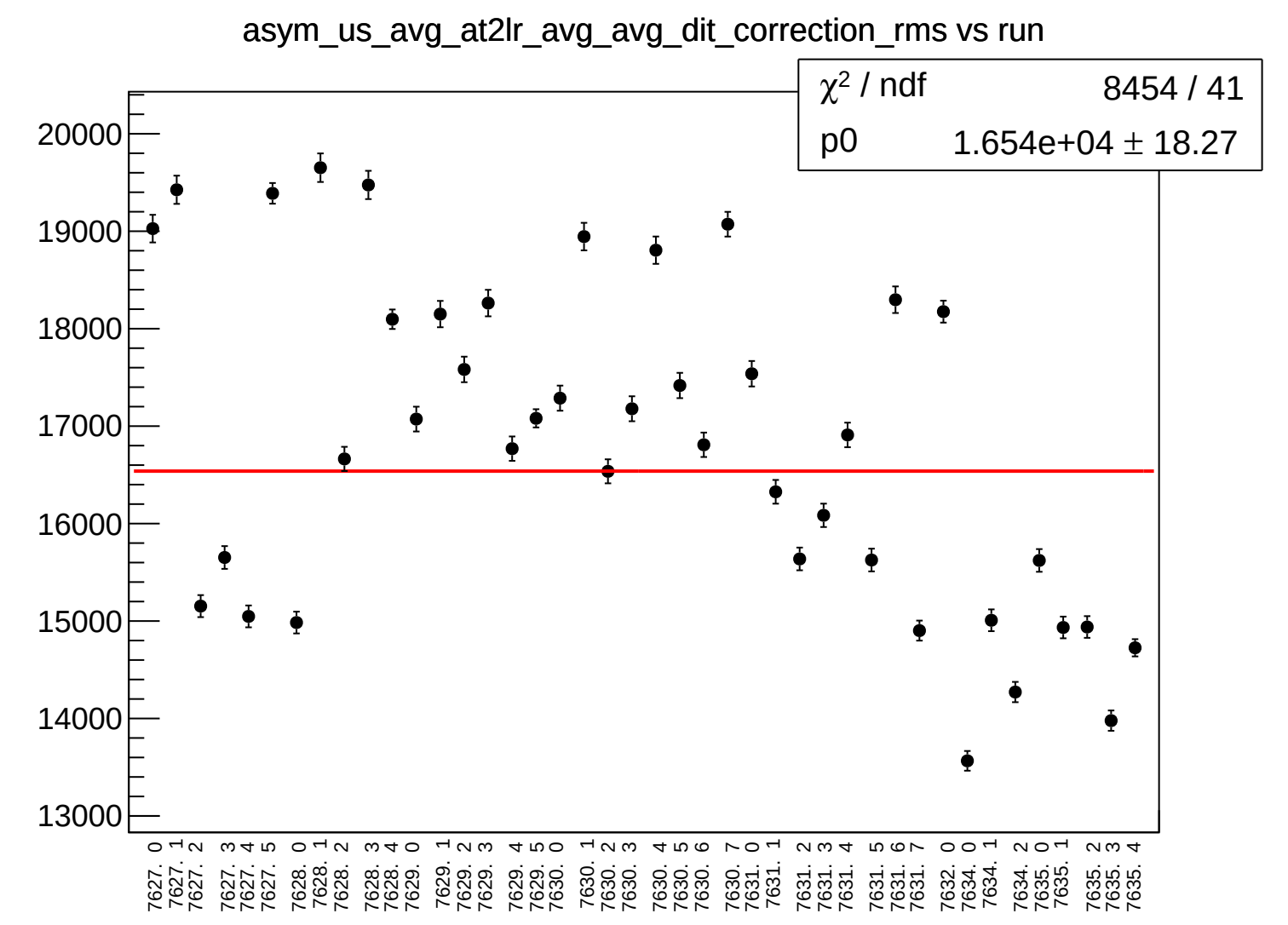

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 54.02 / 41
p0 2555 ± 3800
120
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 118.5
Std Dev 0
3
2
1
0
−1
−2

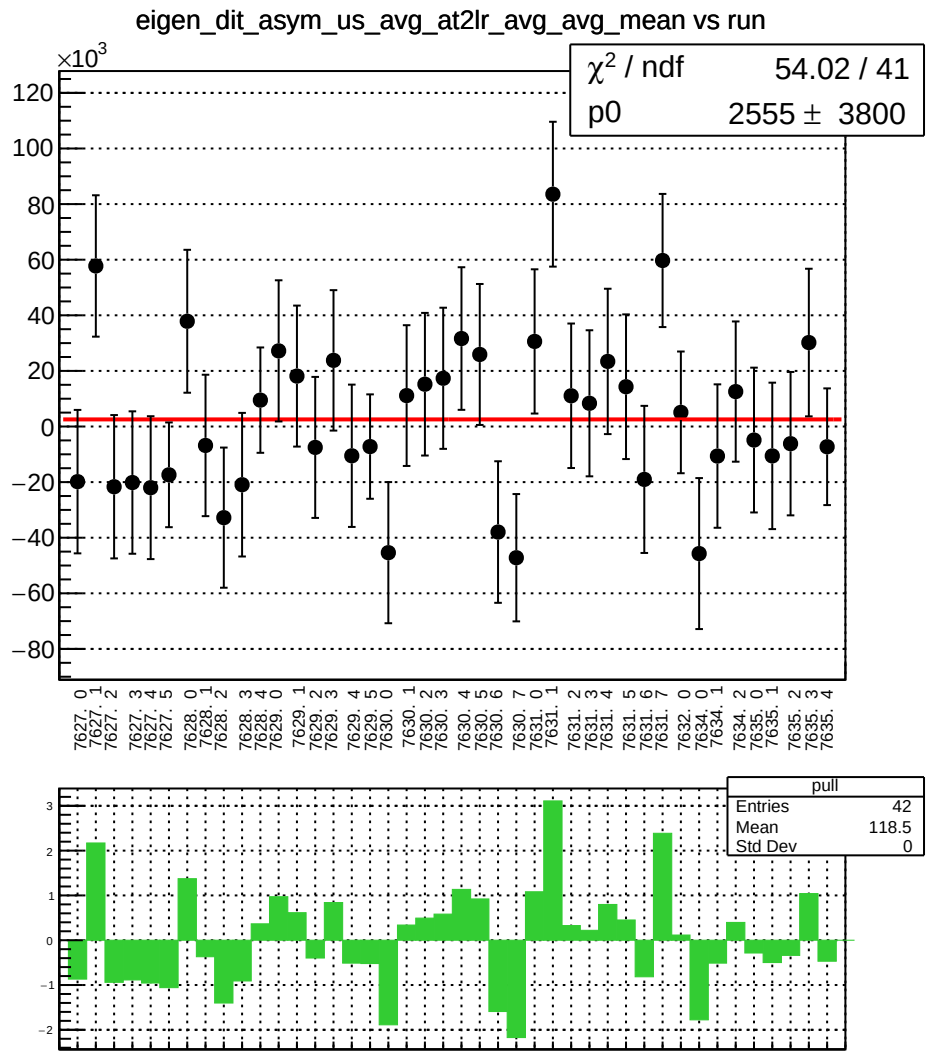

pull1D
Entries 42
Mean 0.01367
Std Dev 1.134
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

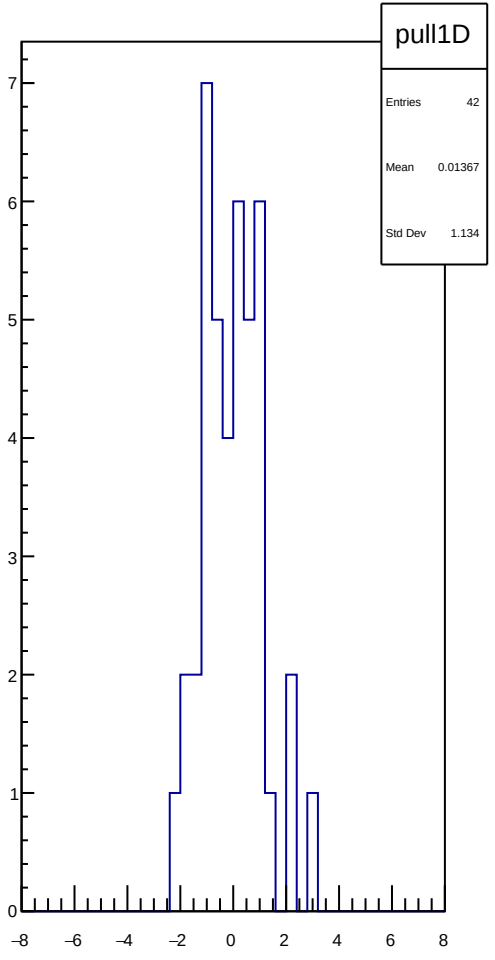

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 181.2 / 41
p0 2444 ± 2.687
2600
2550
2500
2450
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

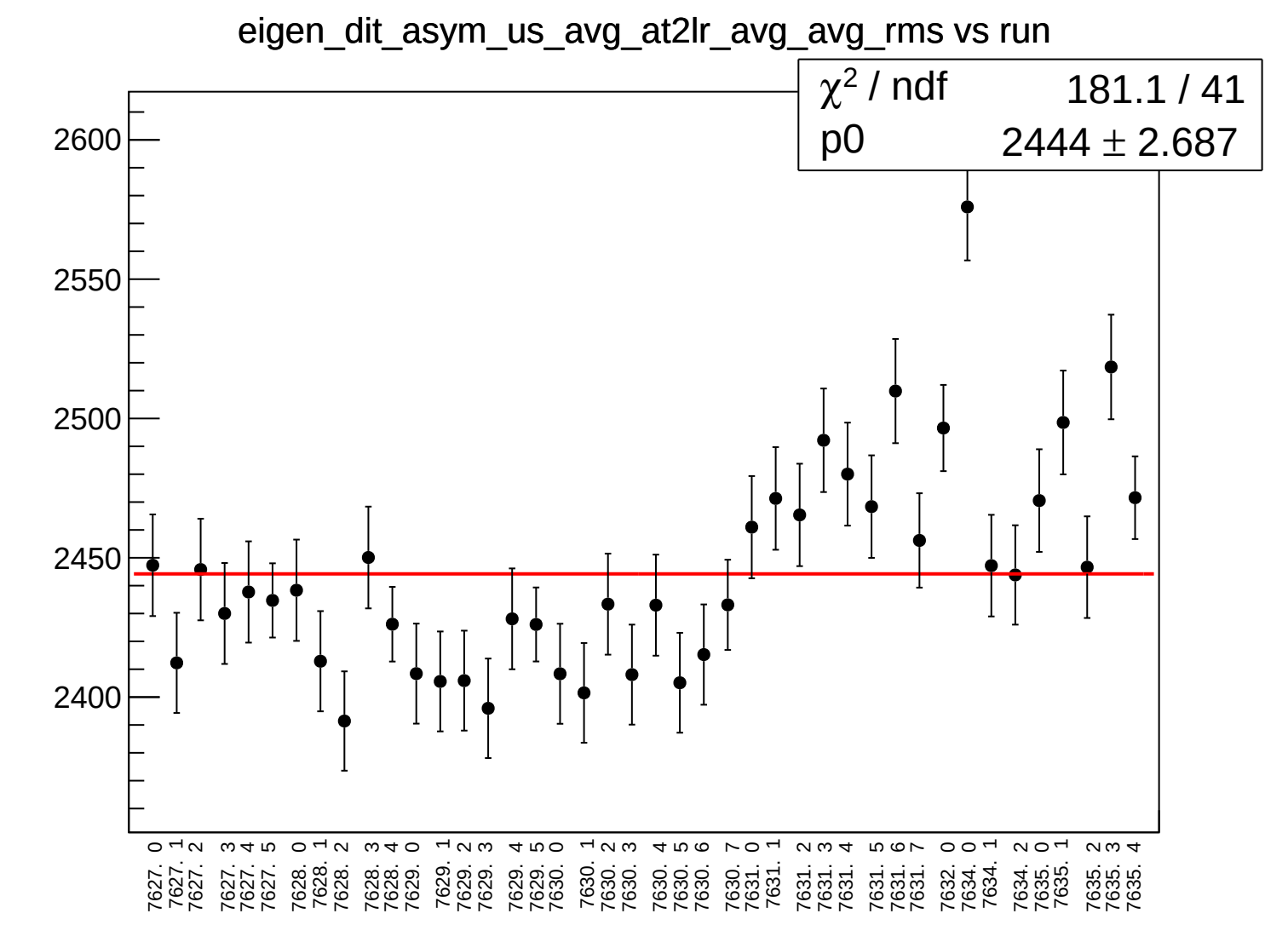

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.59 / 41
p0 6.424e+04 ± 2.584e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.646
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

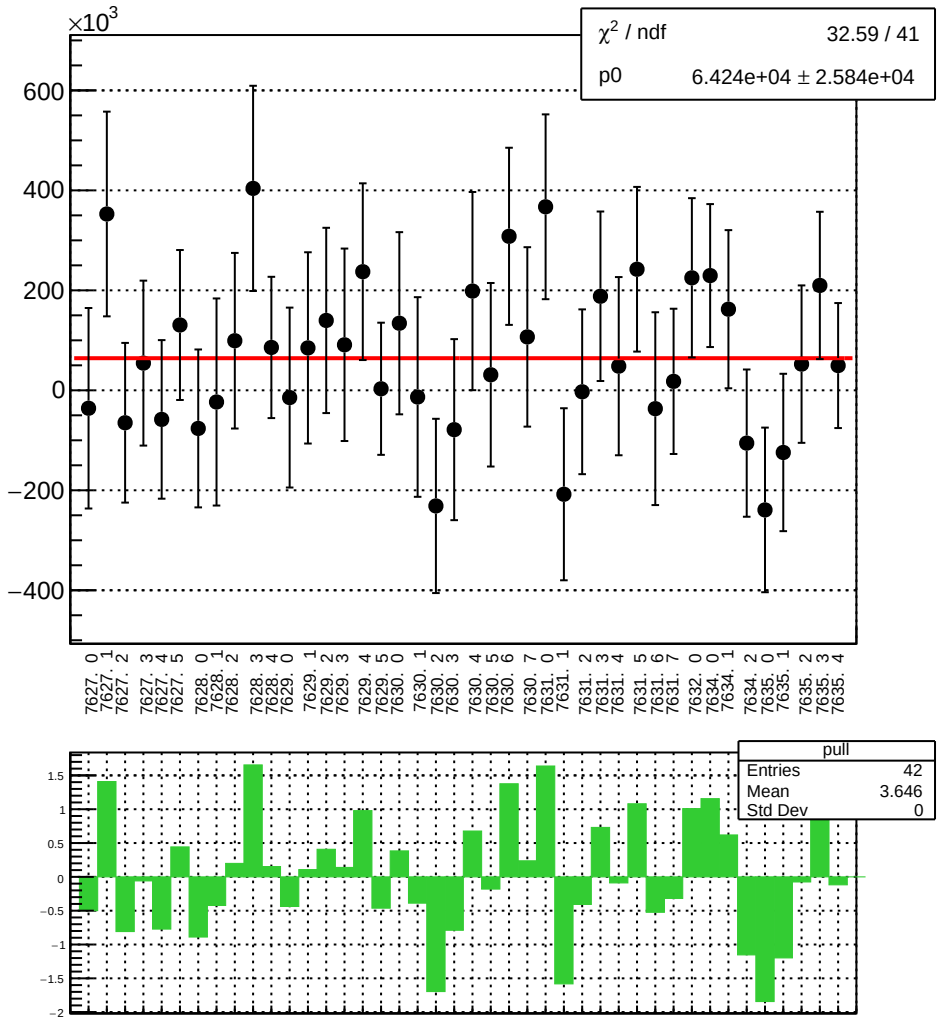

pull1D
Entries 42
Mean 0.0161
Std Dev 0.8807
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

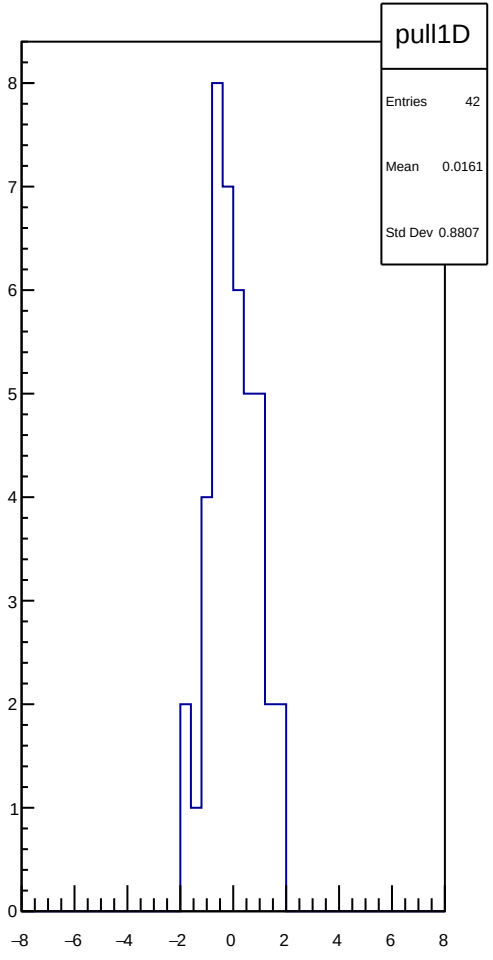

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 8454 / 41
p0 1.654e+04 ± 18.27
20000
19000
18000
17000
16000
15000
14000
13000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

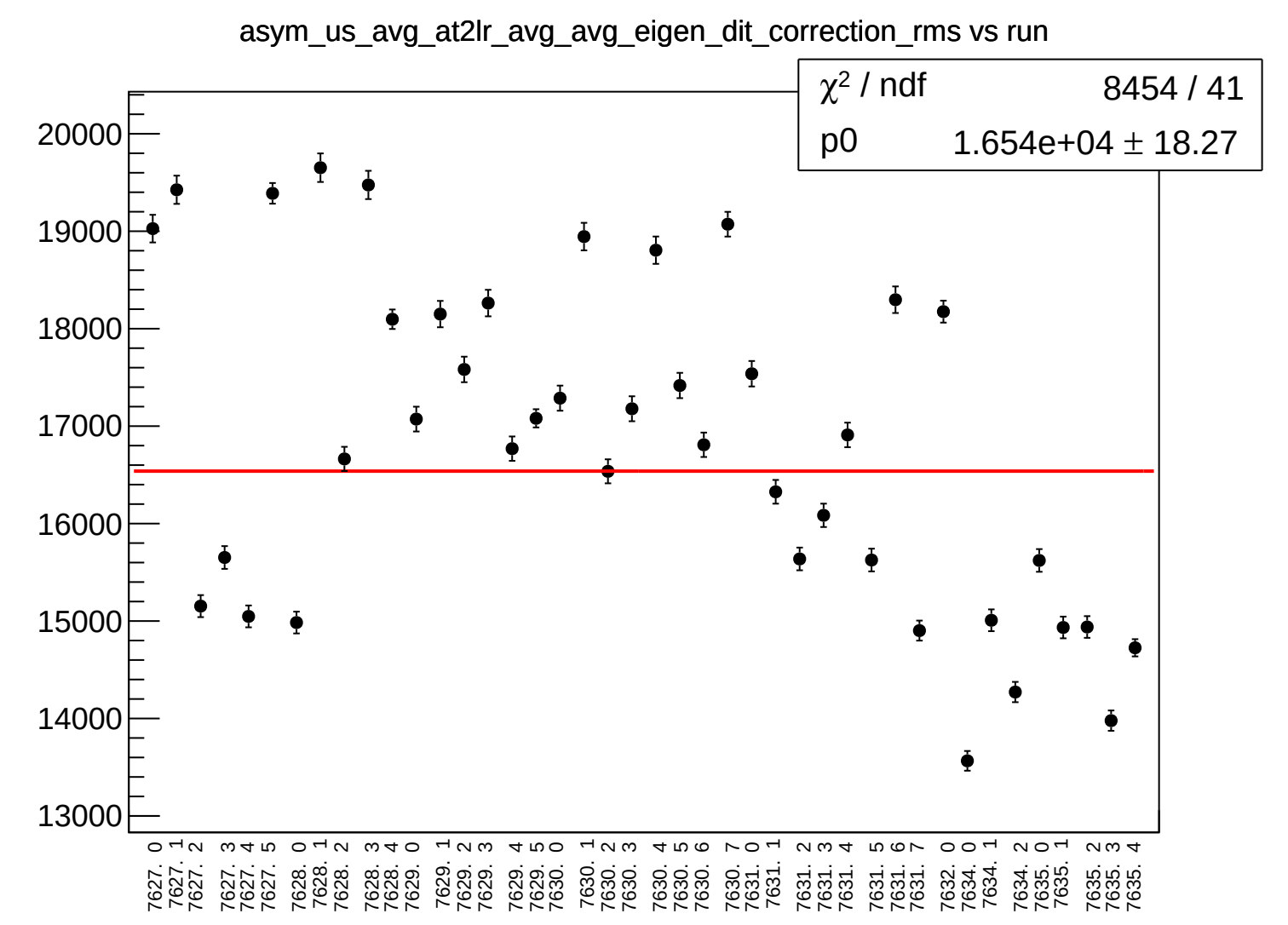

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 54.02 / 41
p0 2555 ± 3800
pull
Entries 42
Mean 118.5
Std Dev 0

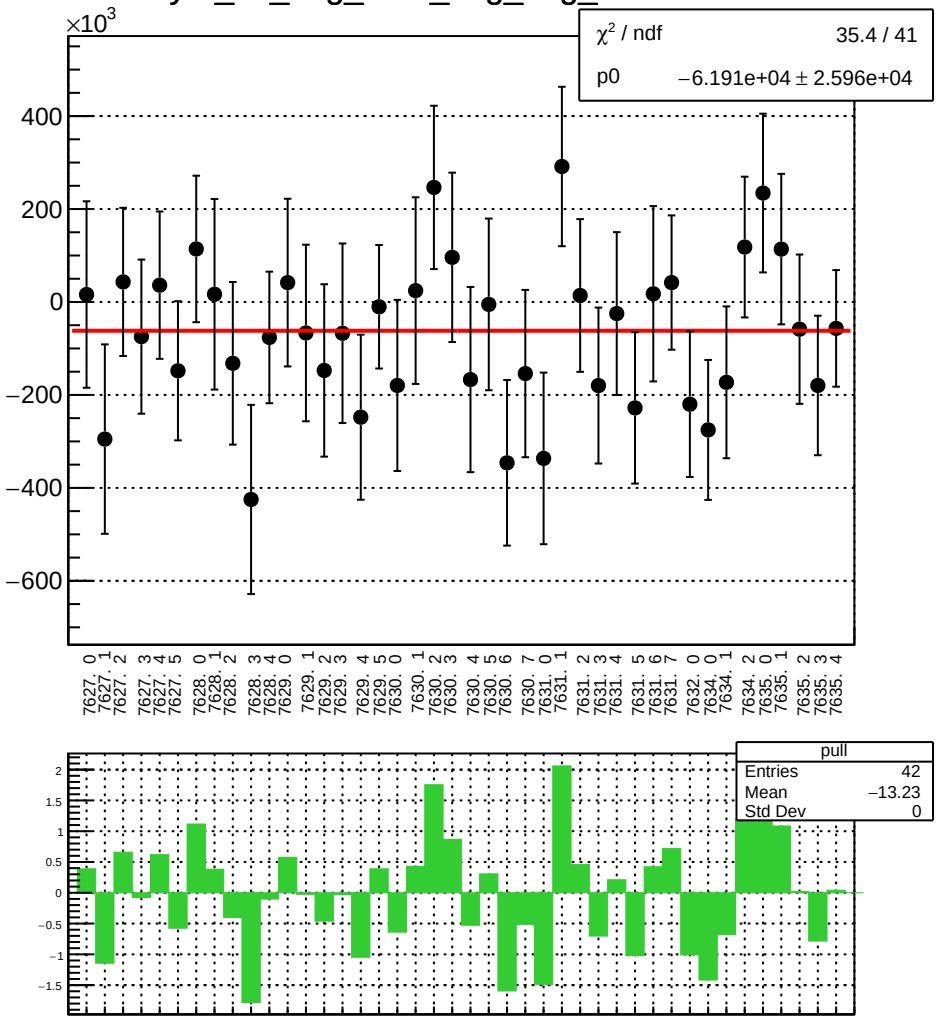

pull1D
Entries 42
Mean 0.01367
Std Dev 1.134

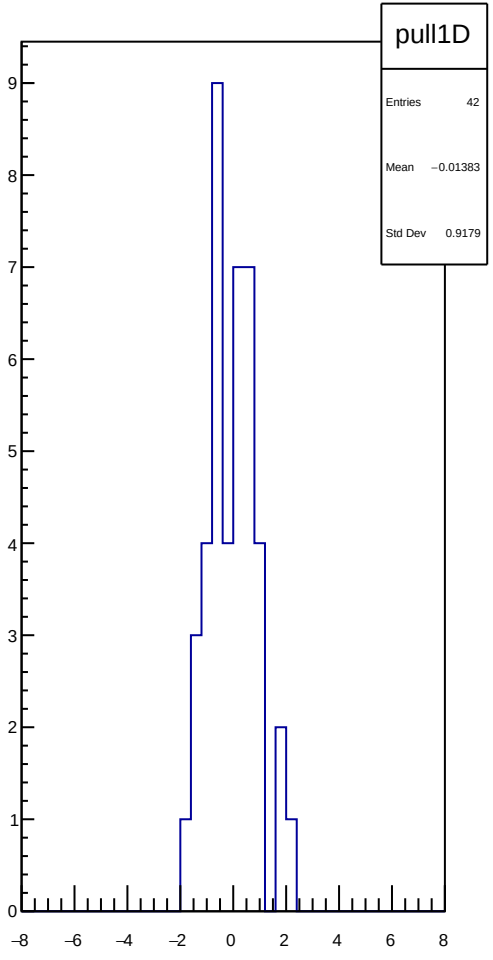

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 181.1 / 41
p0 2444 ± 2.687
2600
2550
2500
2450
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

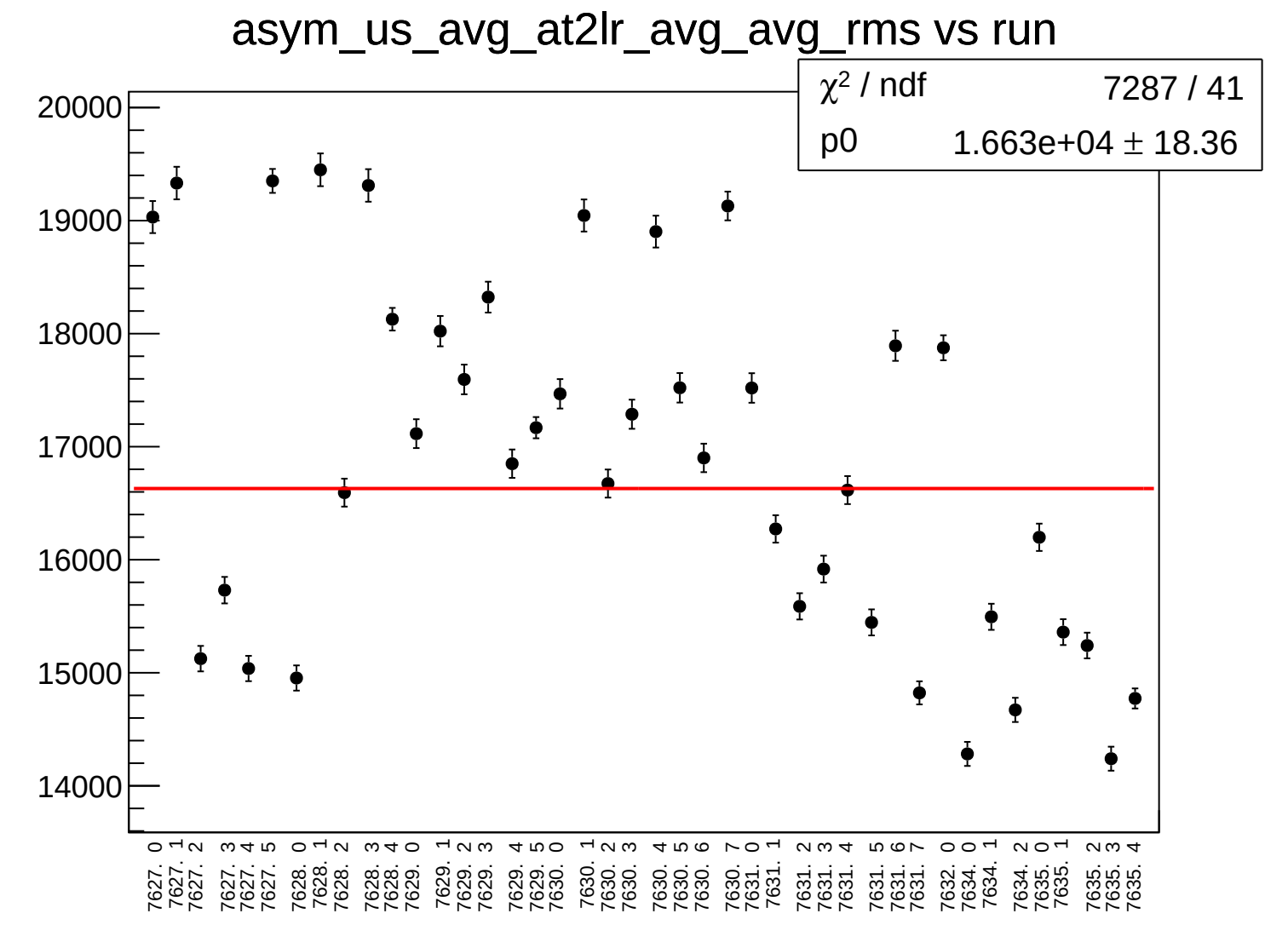

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.59 / 41
p0 6.424e+04 ± 2.584e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.646
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

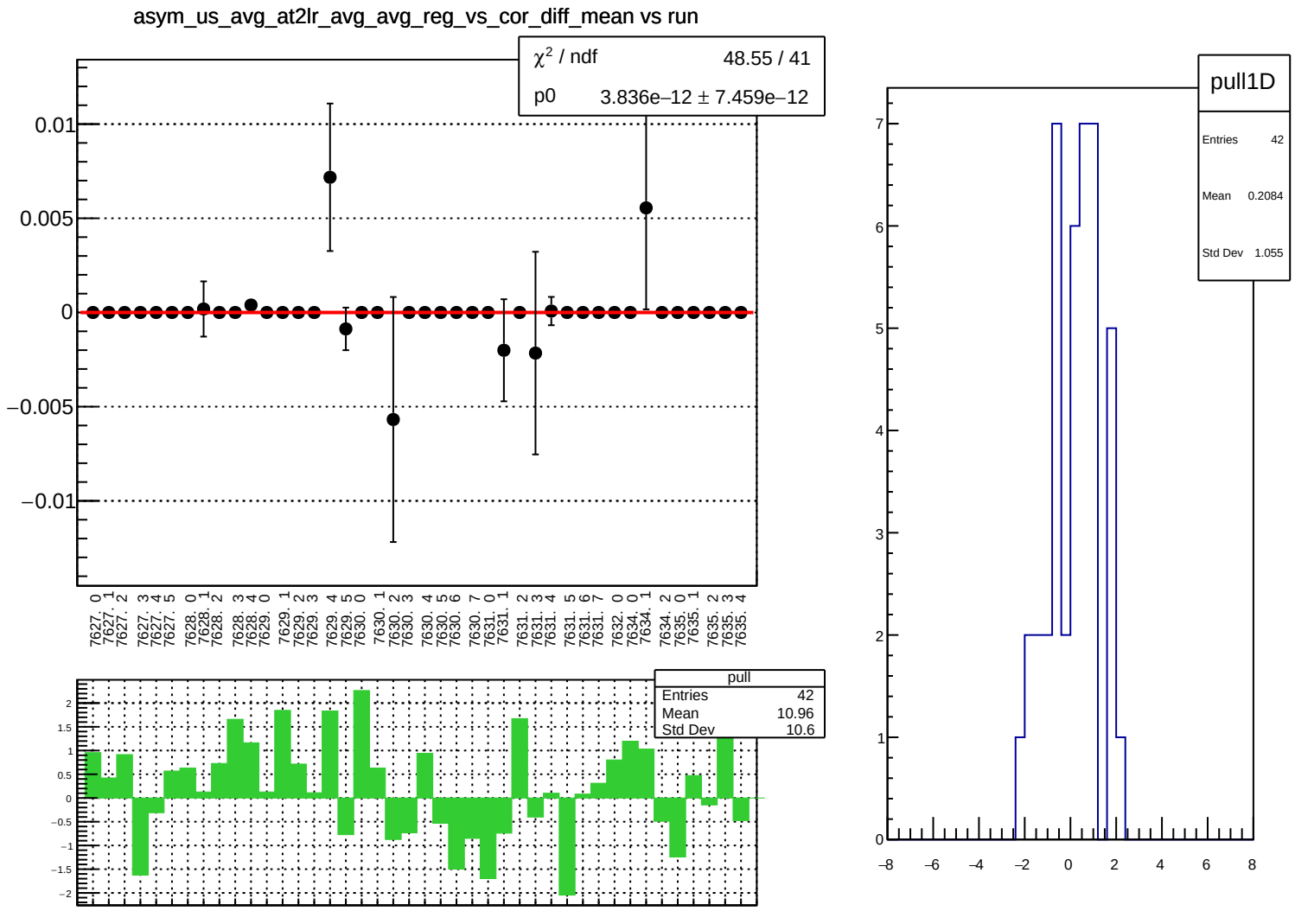

pull1D
Entries 42
Mean 0.0161
Std Dev 0.8807
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

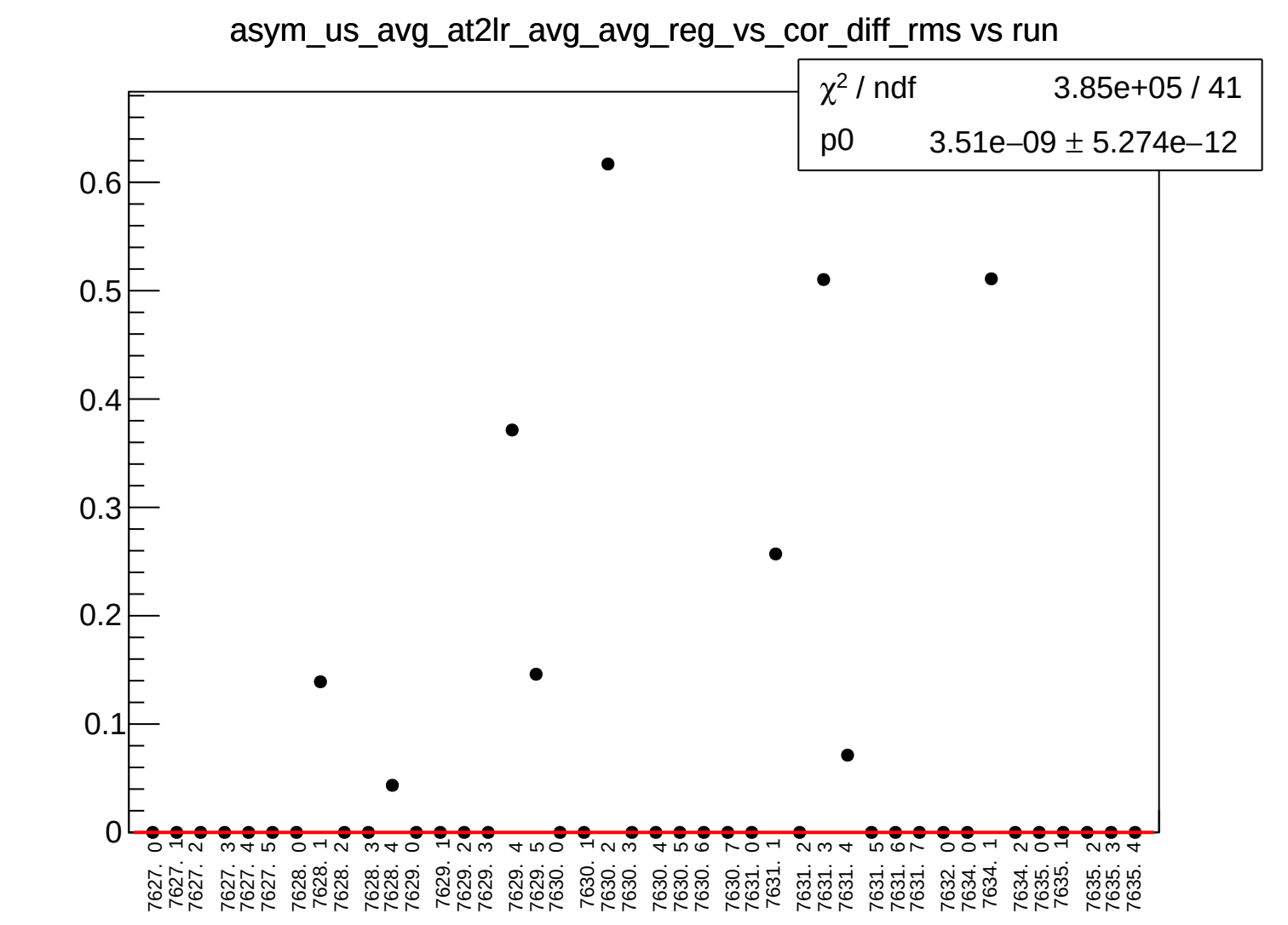

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 8454 / 41
p0 1.654e+04 ± 18.27
20000
19000
18000
17000
16000
15000
14000
13000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

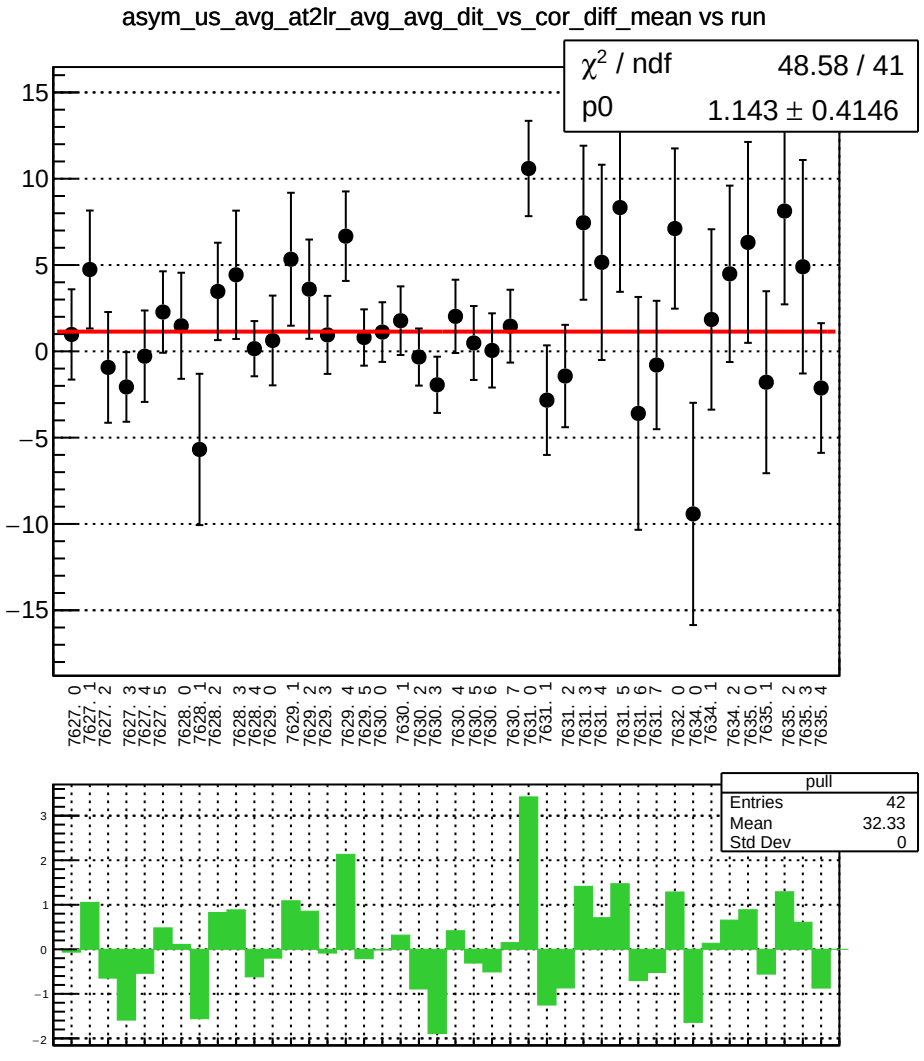

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 35.4 / 41
p0 −6.191e+04 ± 2.596e+04
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −13.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

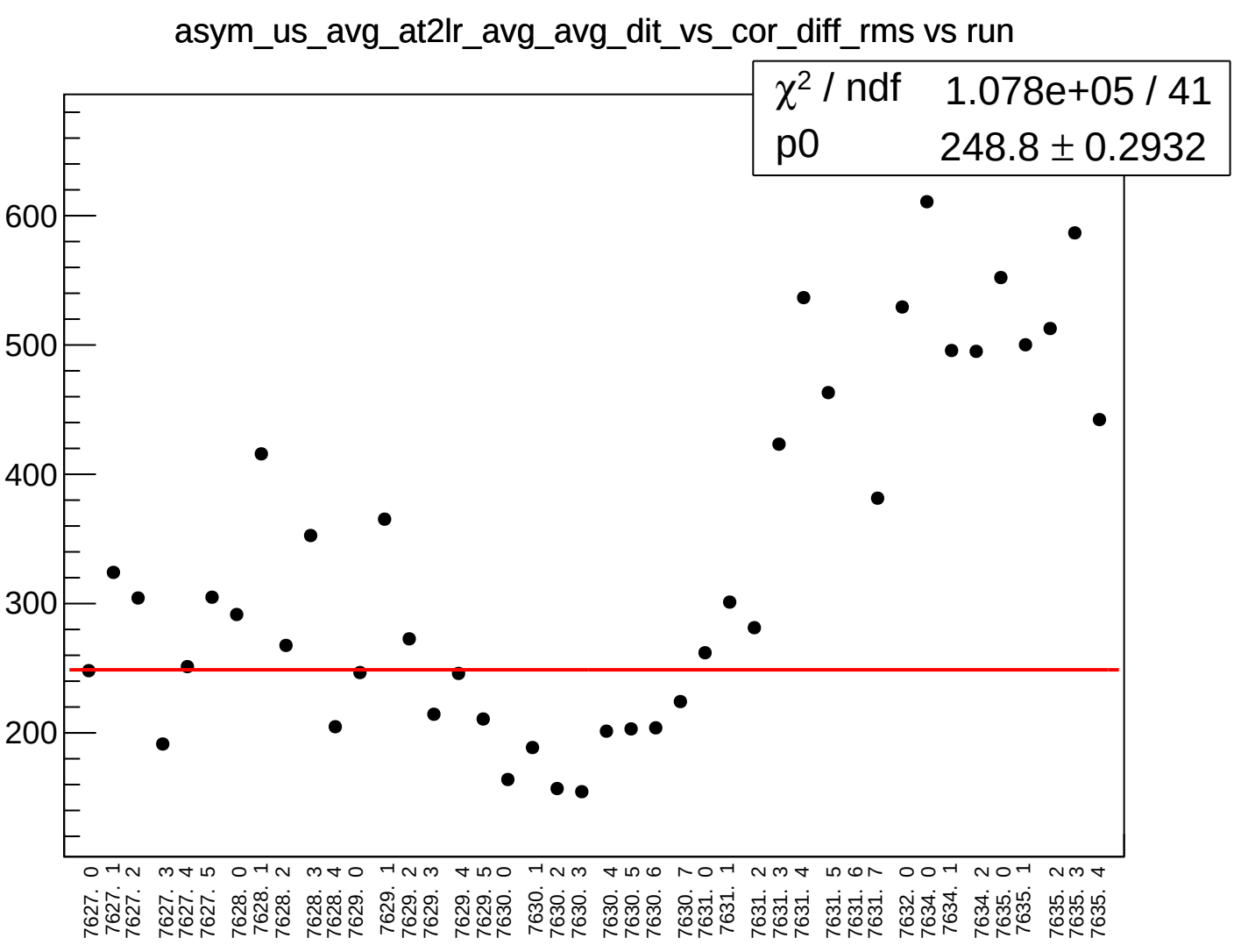

pull1D
Entries 42
Mean −0.01383
Std Dev 0.9179
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

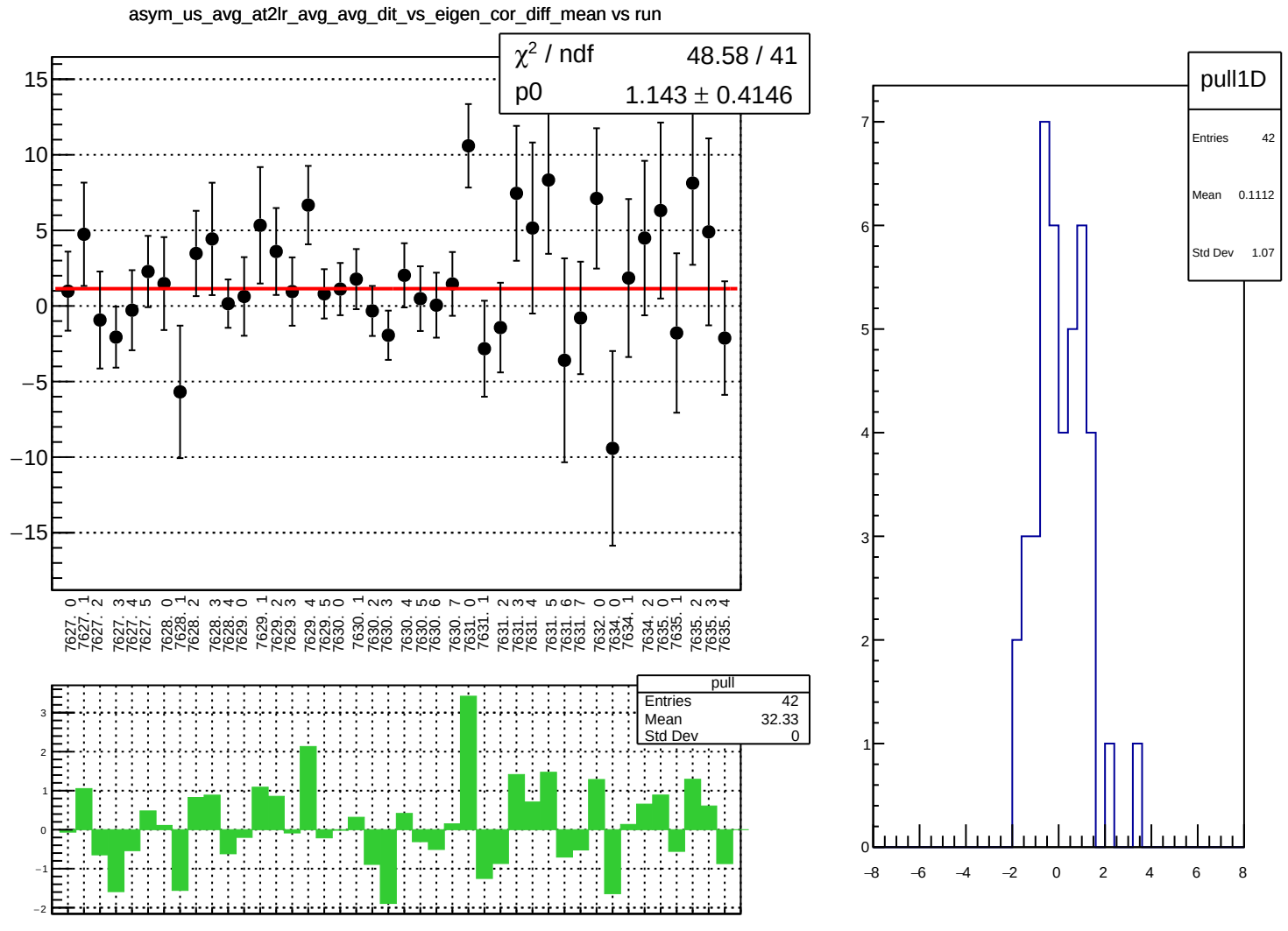

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 7287 / 41
p0 1.663e+04 ± 18.36
20000
19000
18000
17000
16000
15000
14000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

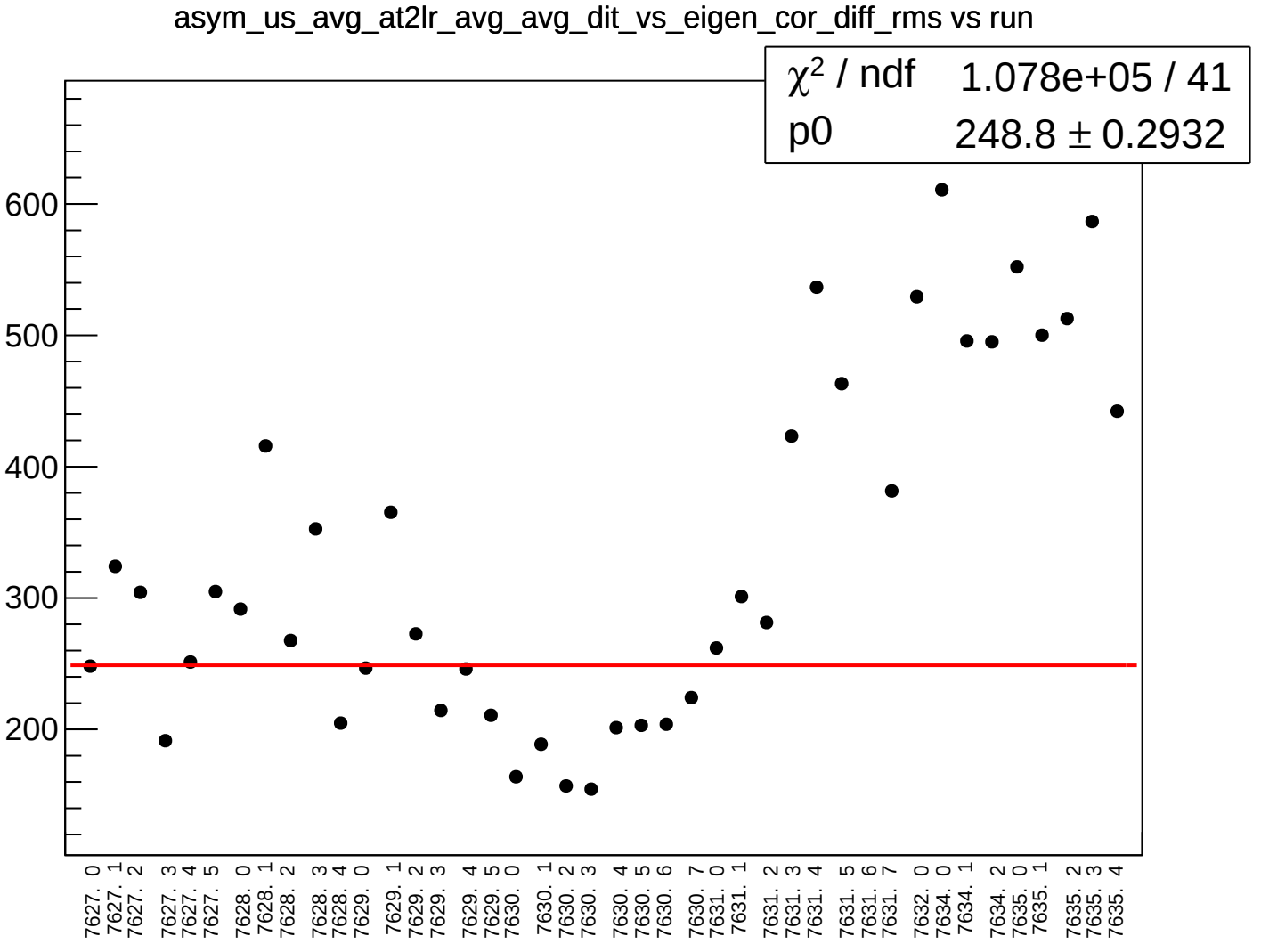

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.55 / 41
p0 3.836e−12 ± 7.459e−12
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 10.96
Std Dev 10.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.2084
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

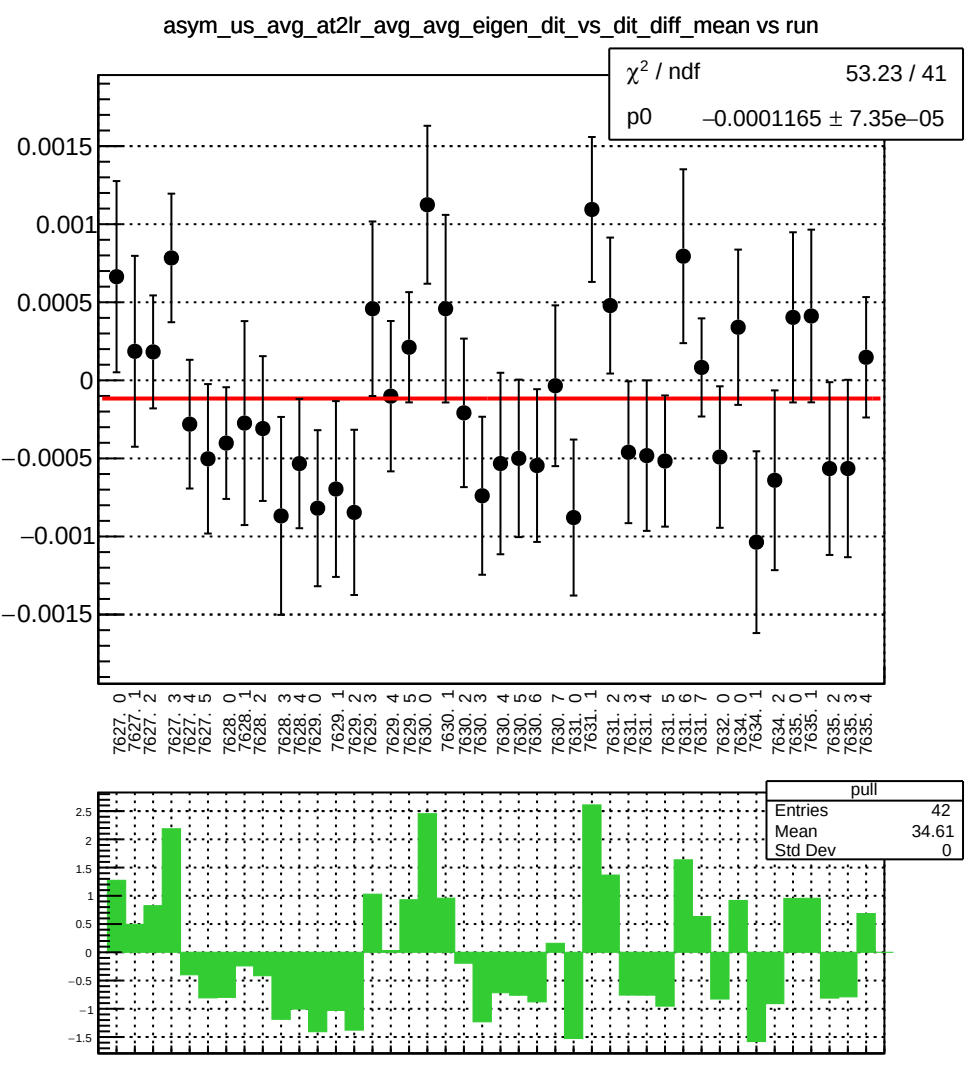

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.85e+05 / 41
p0 3.51e−09 ± 5.274e−12
0
0.1
0.2
0.3
0.4
0.5
0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

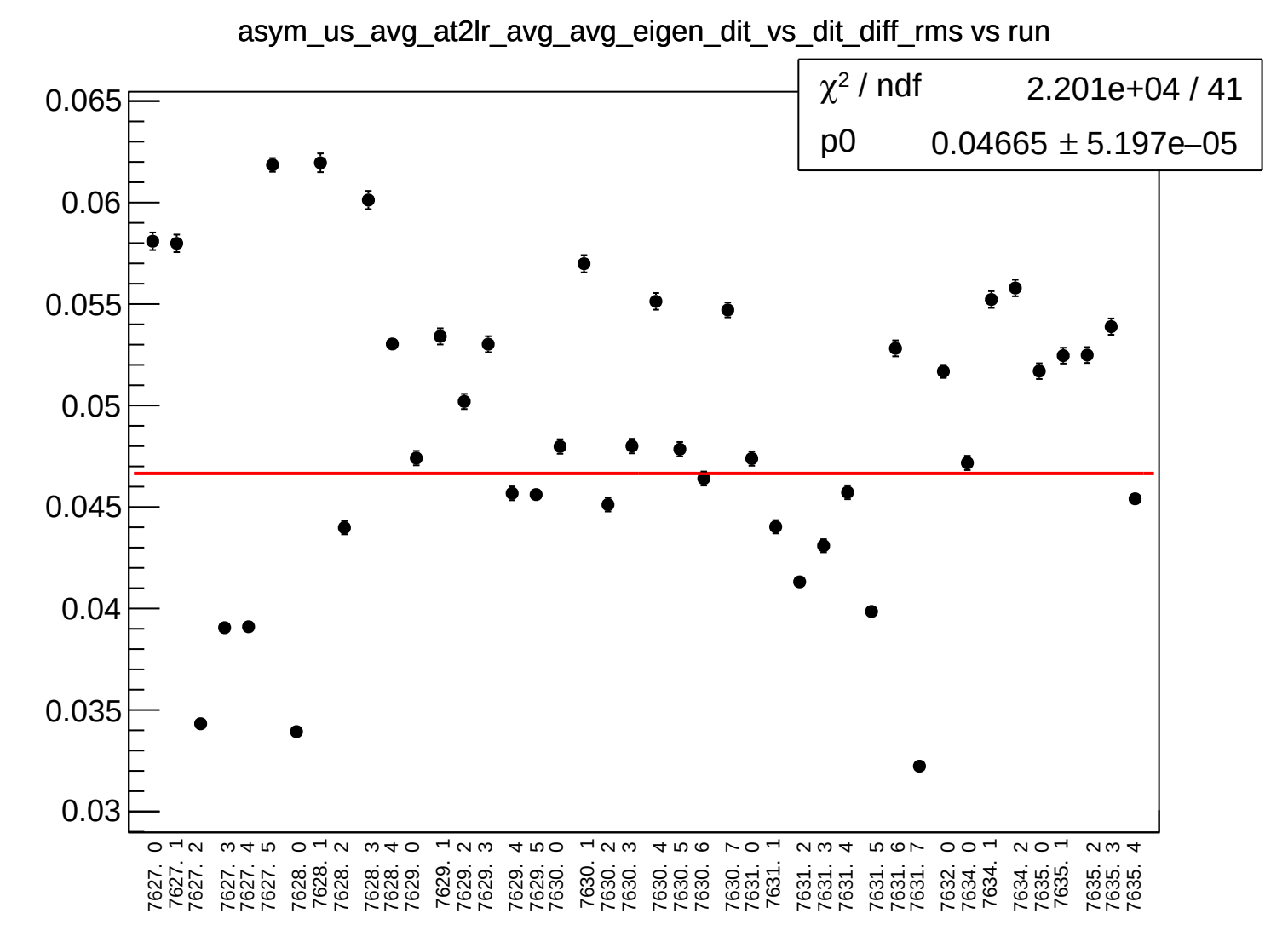

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.58 / 41
p0 1.143 ± 0.4146
pull
Entries 42
Mean 32.33
Std Dev 0
pull1D
Entries 42
Mean 0.1112
Std Dev 1.07

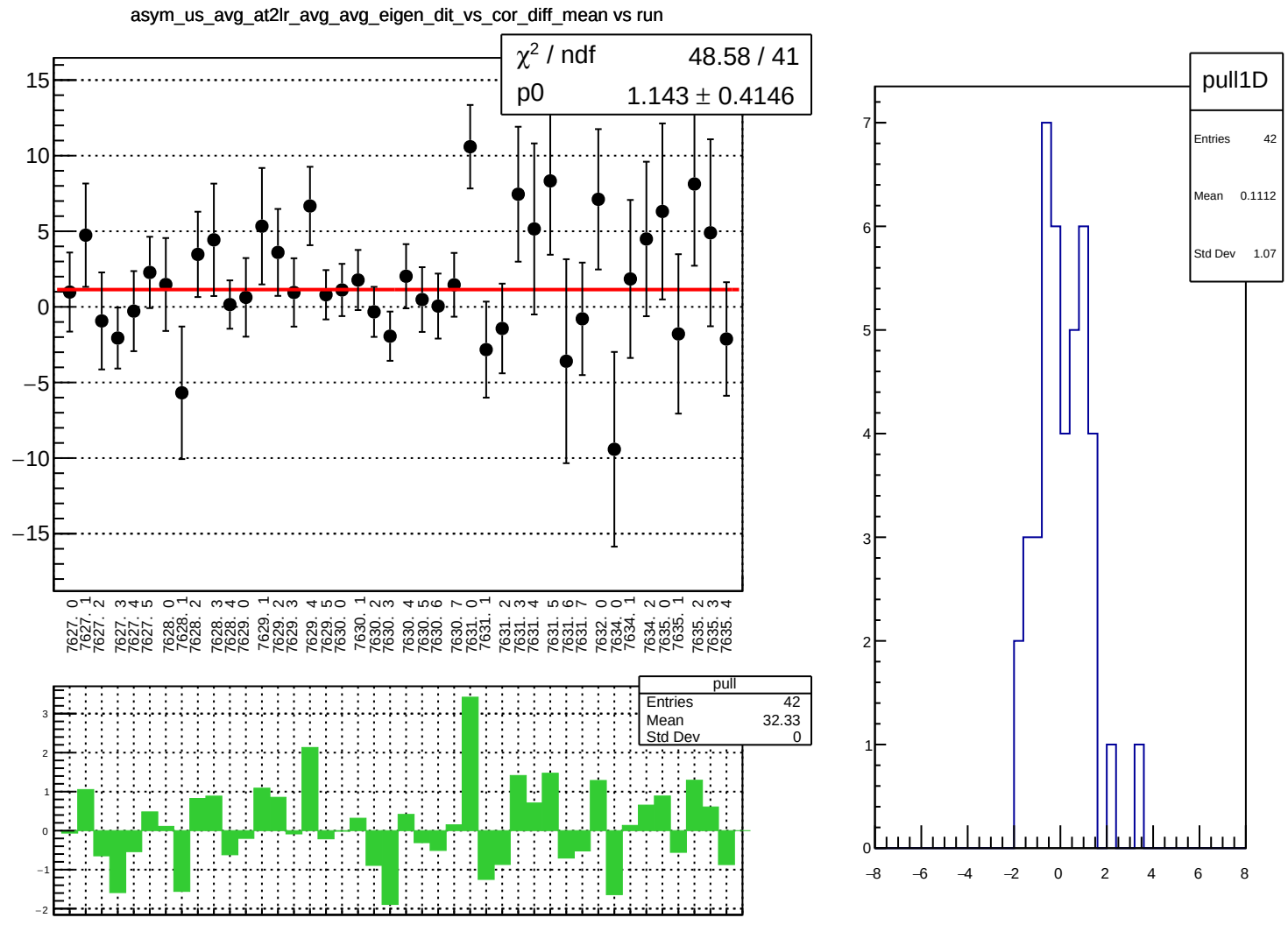

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.078e+05 / 41
p0 248.8 ± 0.2932
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

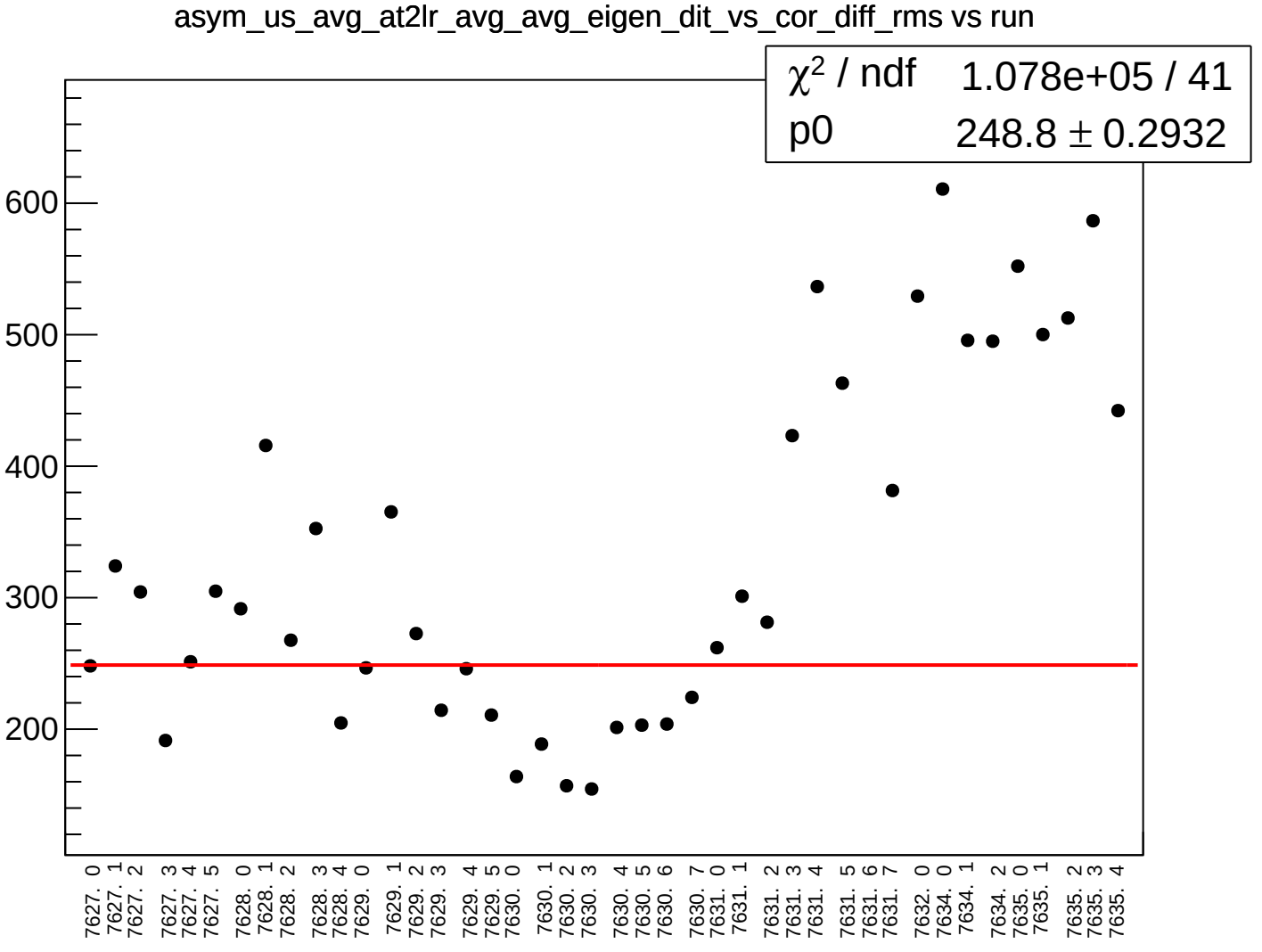

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.58 / 41
p0 1.143 ± 0.4146
pull
Entries 42
Mean 32.33
Std Dev 0
pull1D
Entries 42
Mean 0.1112
Std Dev 1.07


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.078e+05 / 41
p0 248.8 ± 0.2932
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

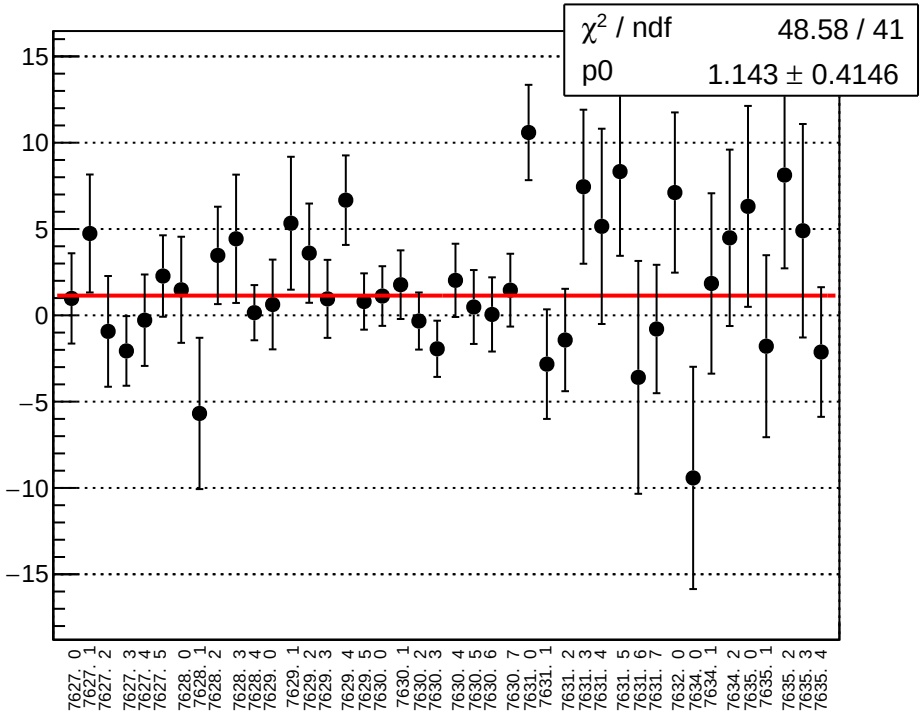

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.23 / 41
p0 −0.0001165 ± 7.35e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02975
Std Dev 1.125
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

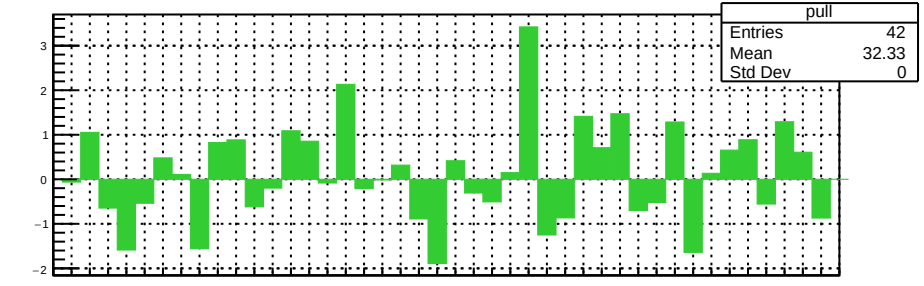

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.201e+04 / 41
p0 0.04665 ± 5.197e–05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

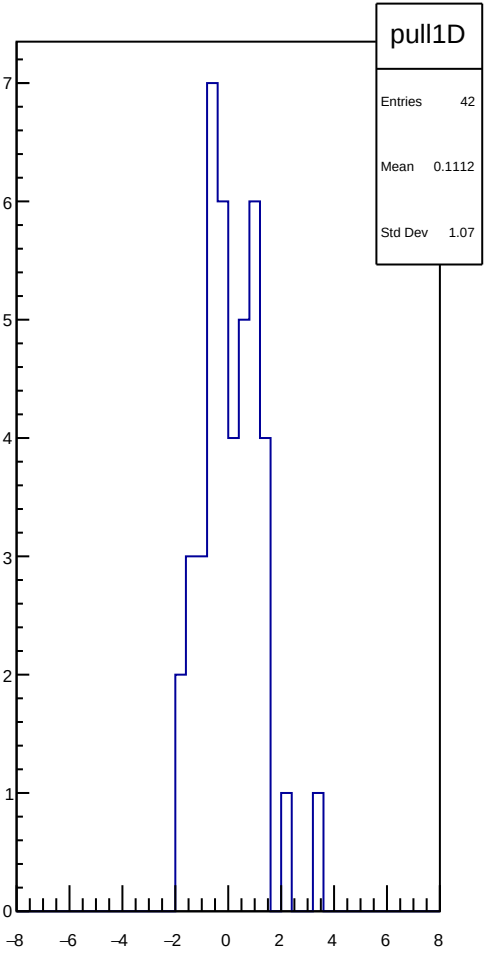

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.58 / 41
p0 1.143 ± 0.4146
15
10
5
0
−5
−10
−15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 32.33
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.1112
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

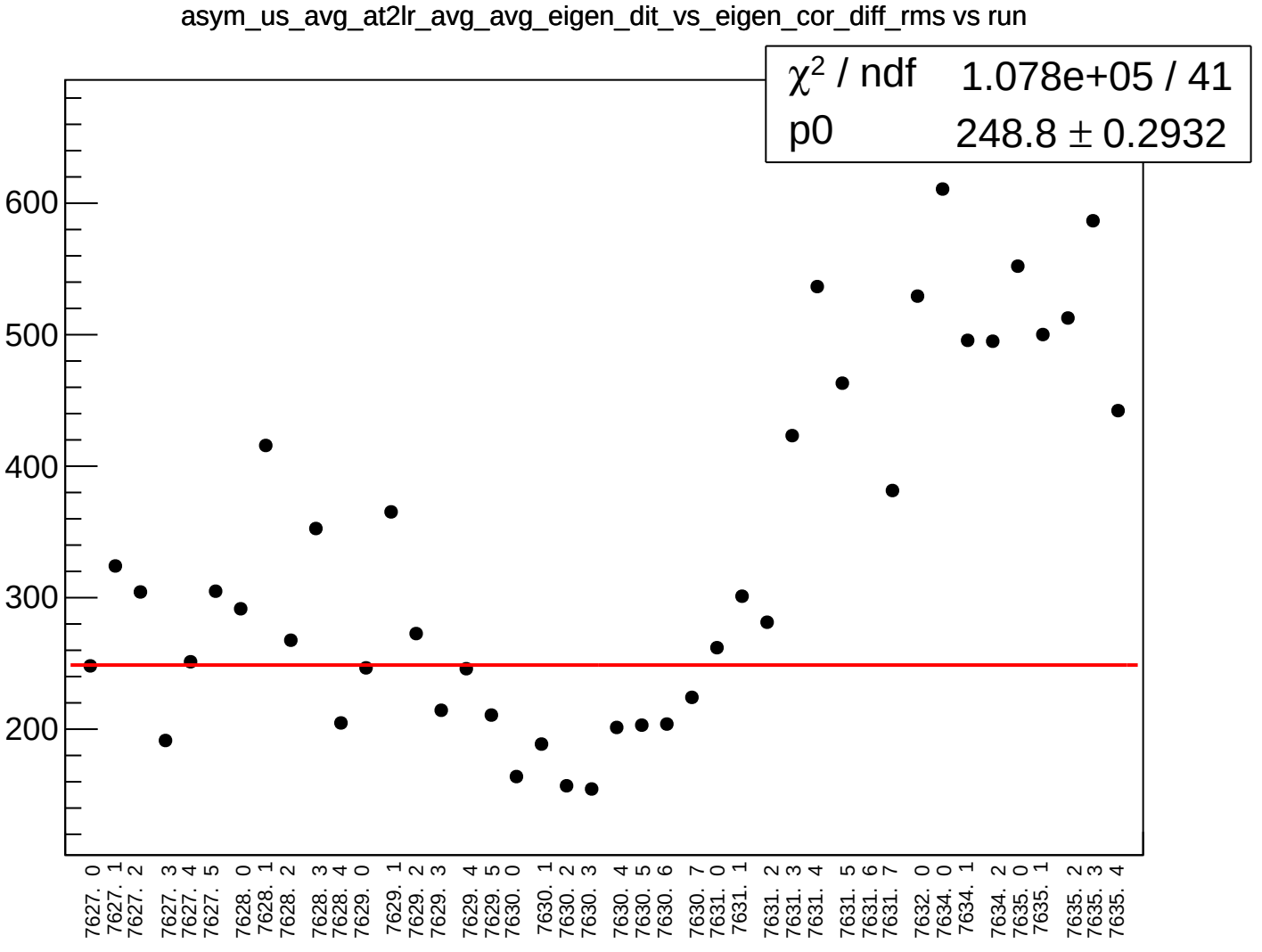

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.078e+05 / 41
p0 248.8 ± 0.2932
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

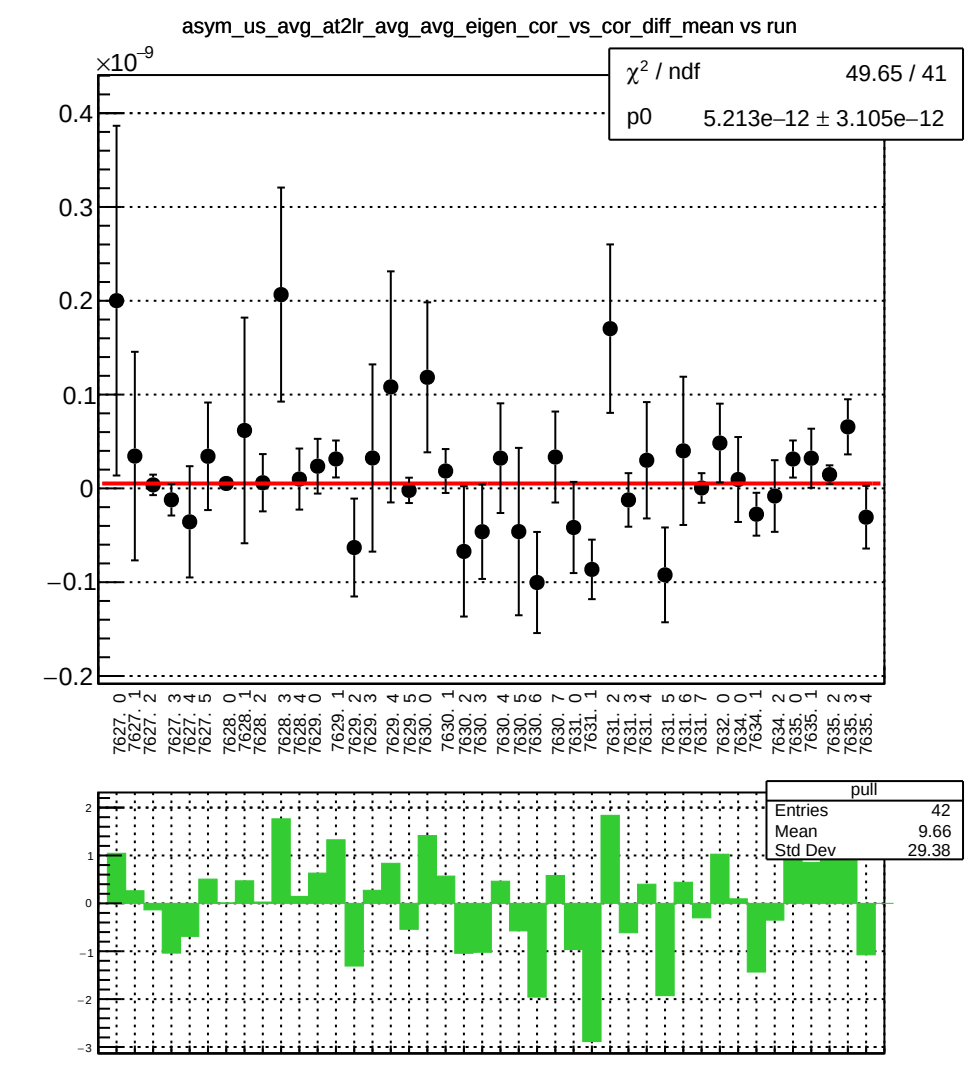
asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

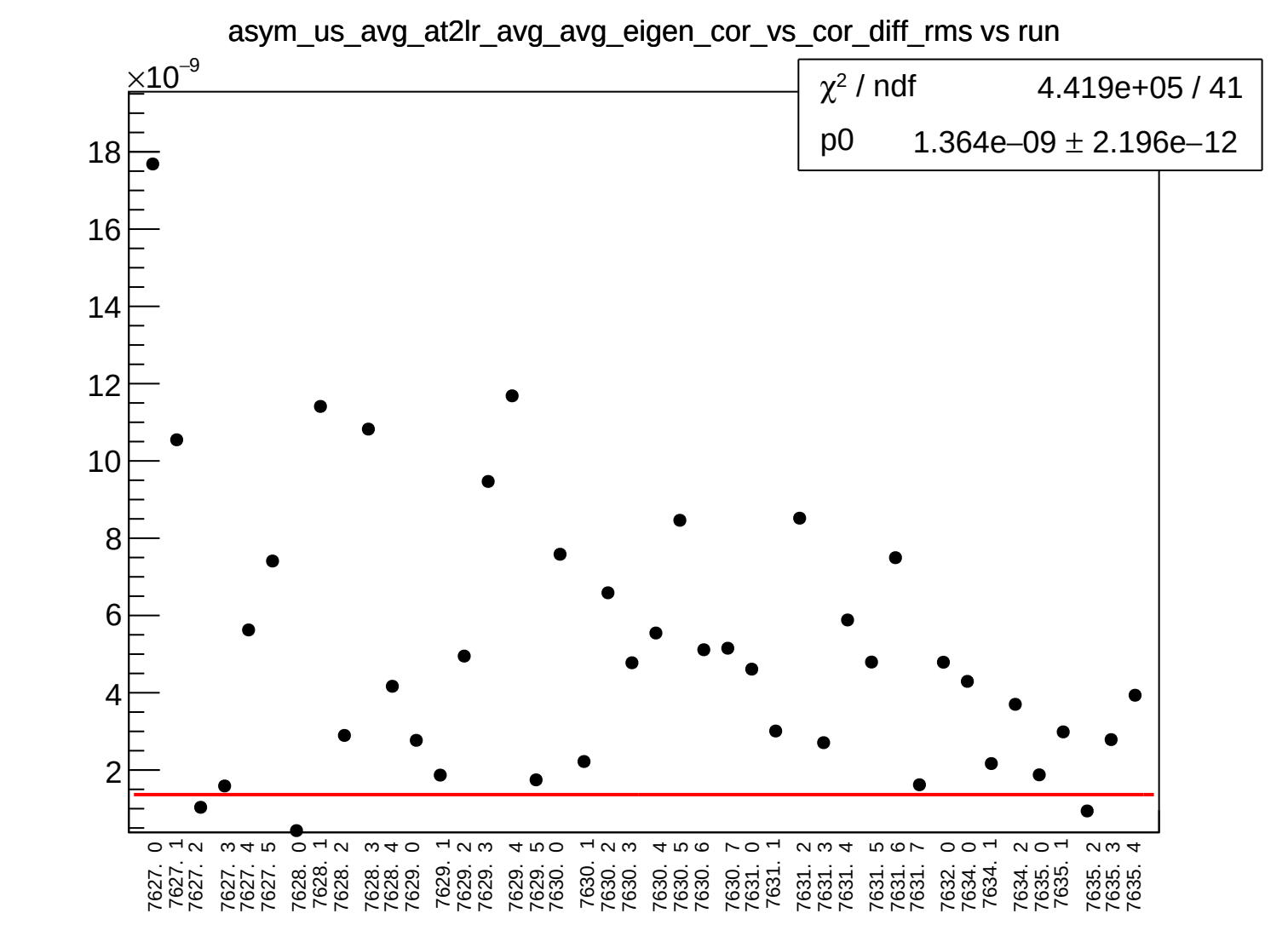


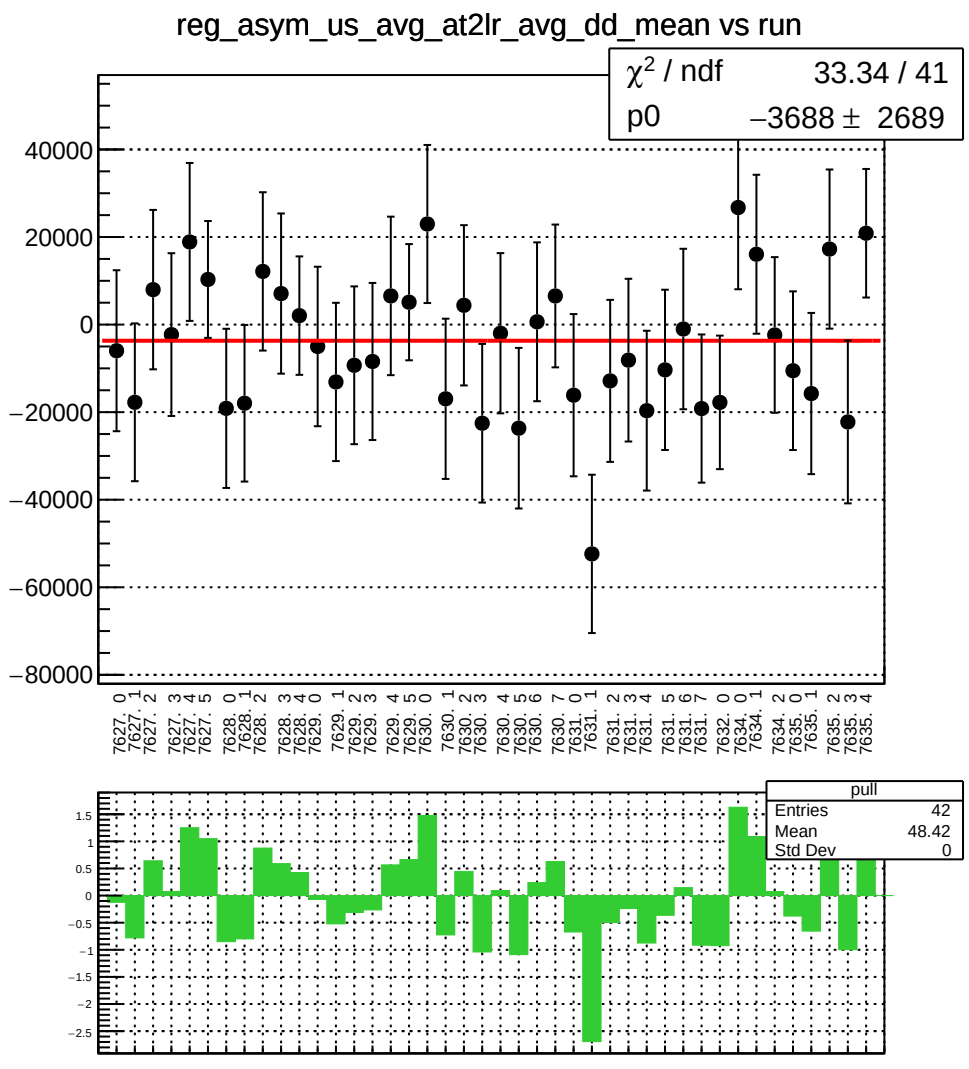


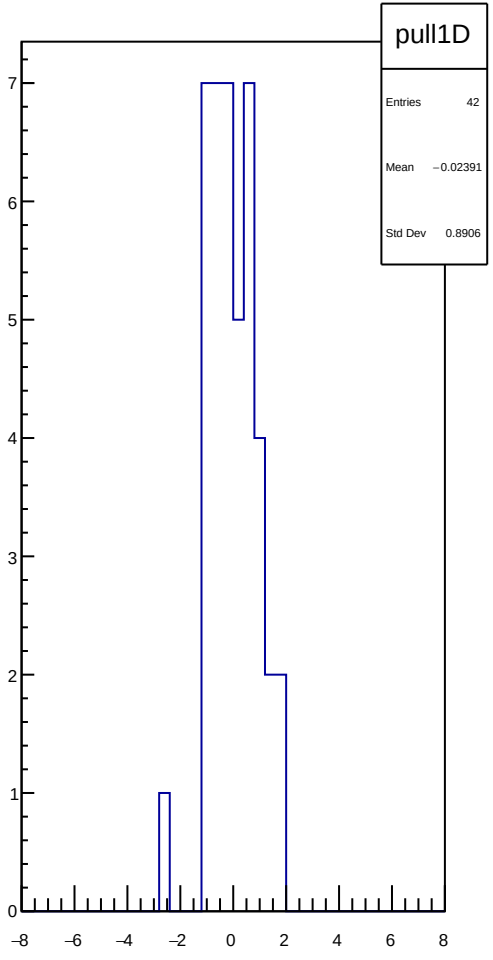


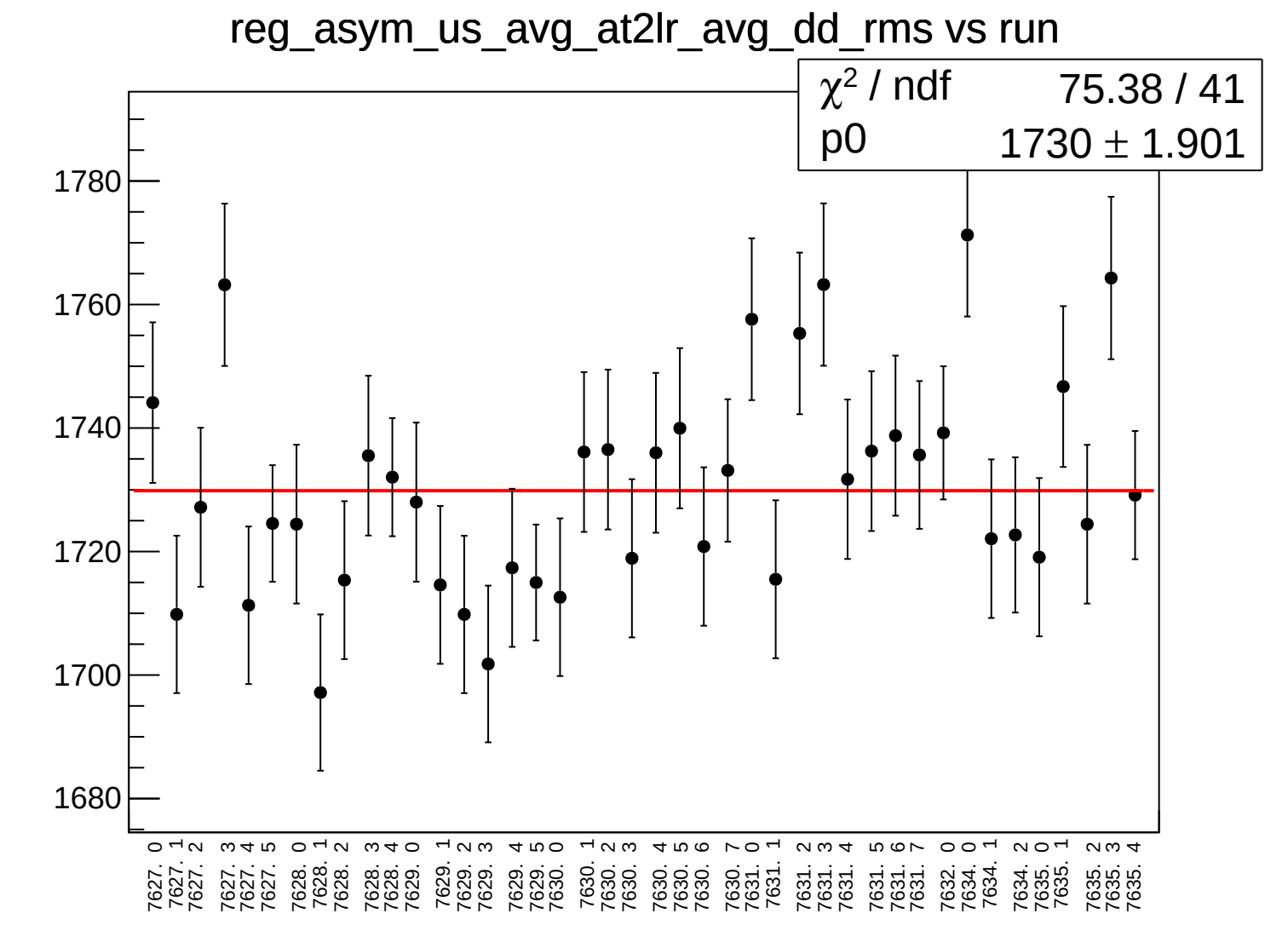

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.078e+05 / 41
p0 248.8 ± 0.2932
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

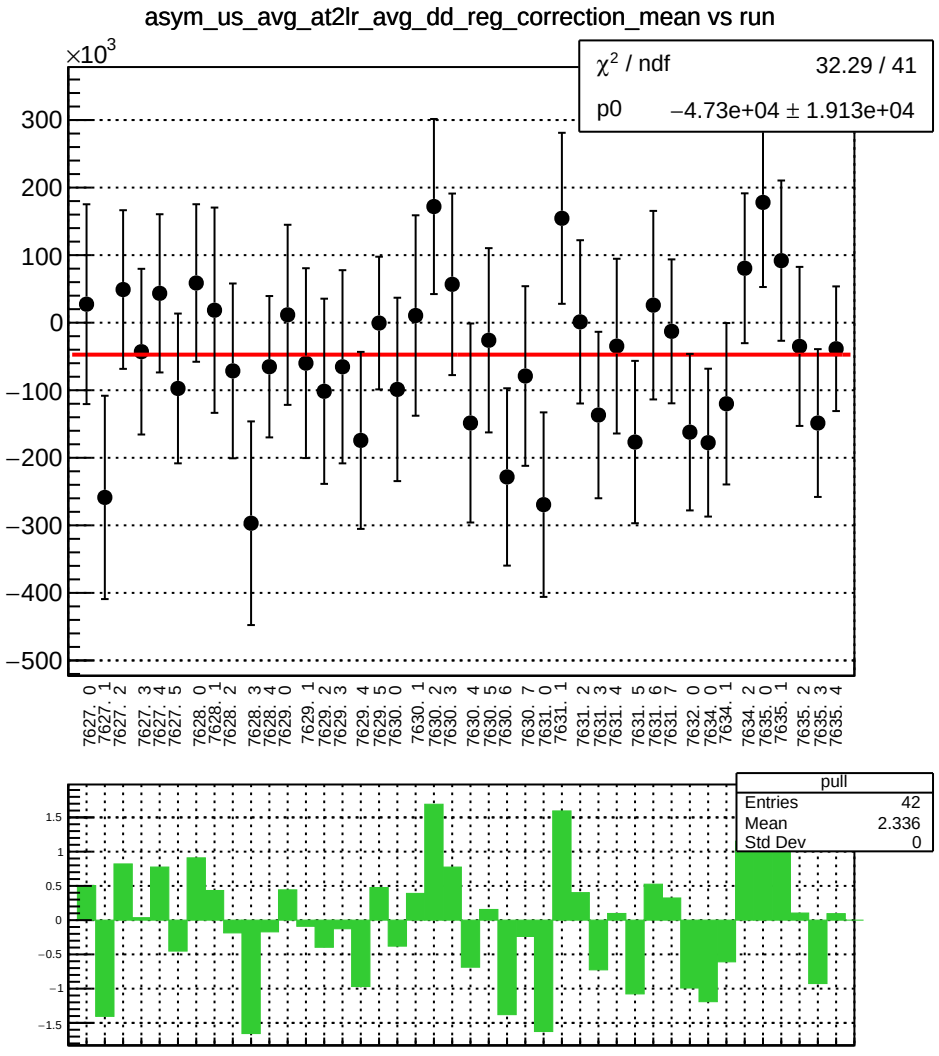

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 49.65 / 41
p0 5.213e−12 ± 3.105e−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.66
Std Dev 29.38
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.0345
Std Dev 1.087
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

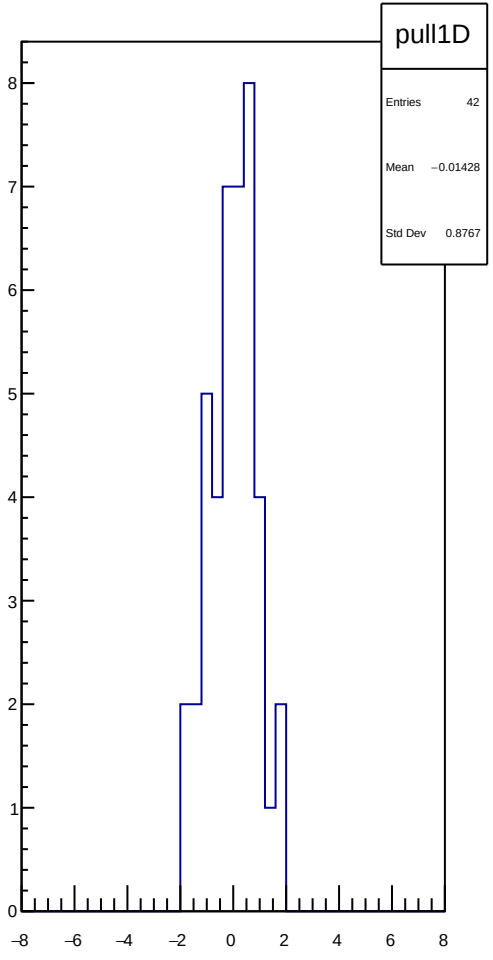

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.419e+05 / 41
p0 1.364e−09 ± 2.196e−12
18
16
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

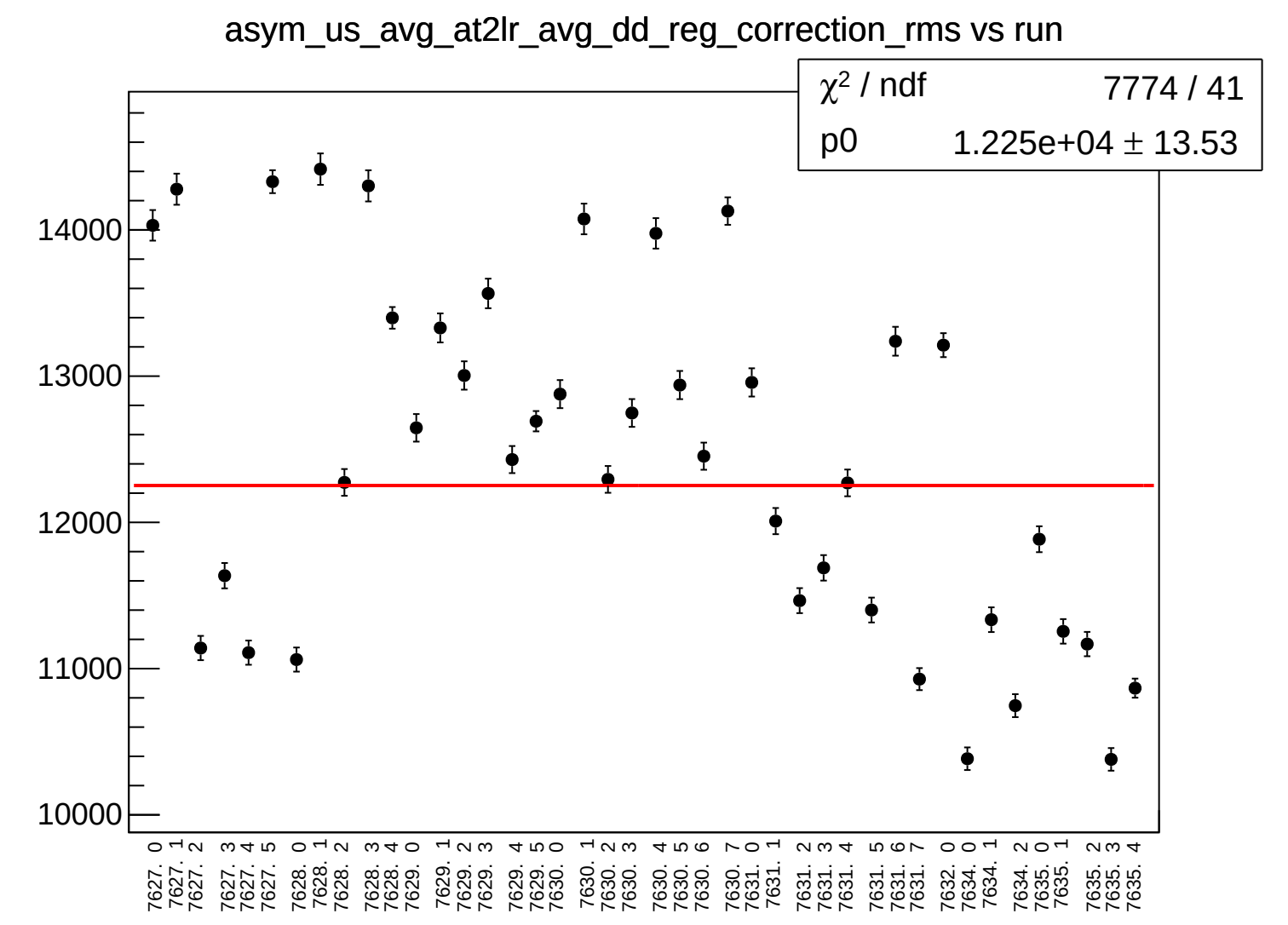

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 33.34 / 41
p0 −3688 ± 2689
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 48.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

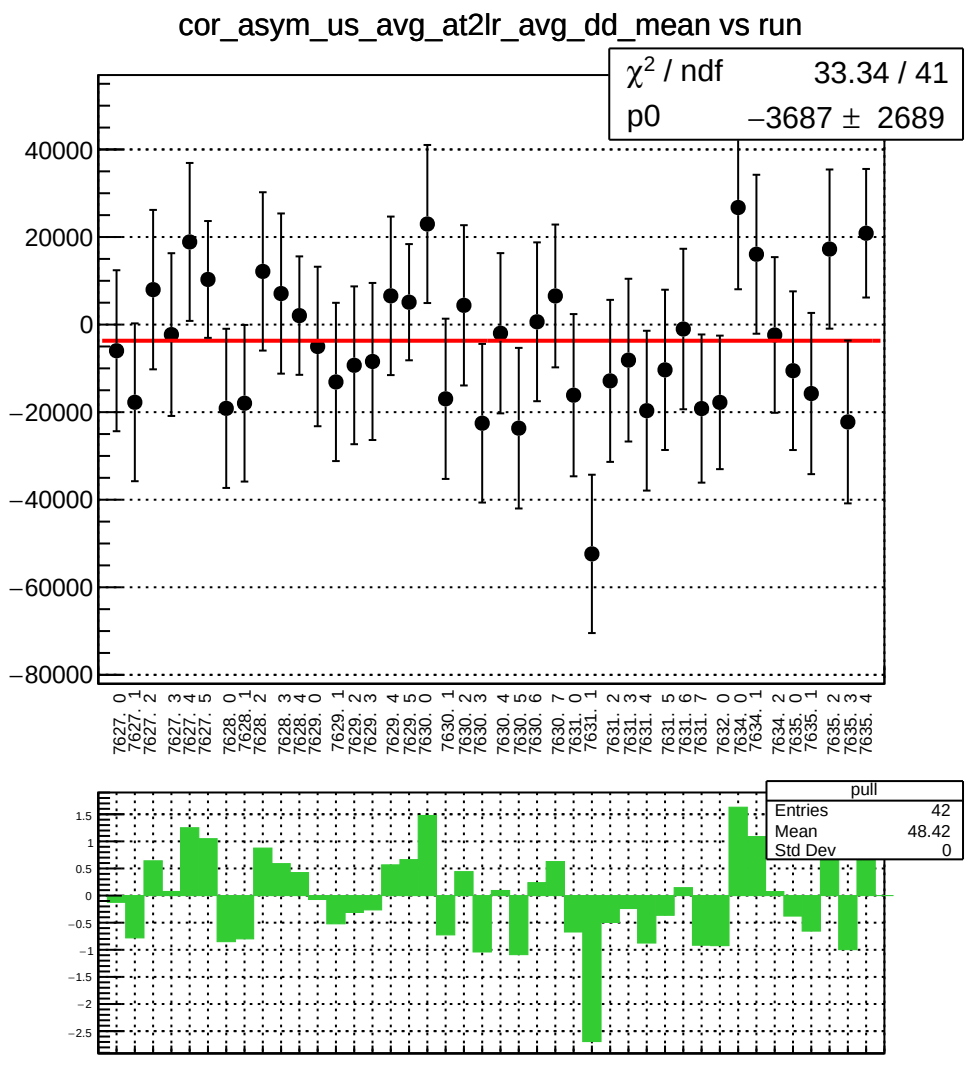

pull1D
Entries 42
Mean −0.02391
Std Dev 0.8906
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

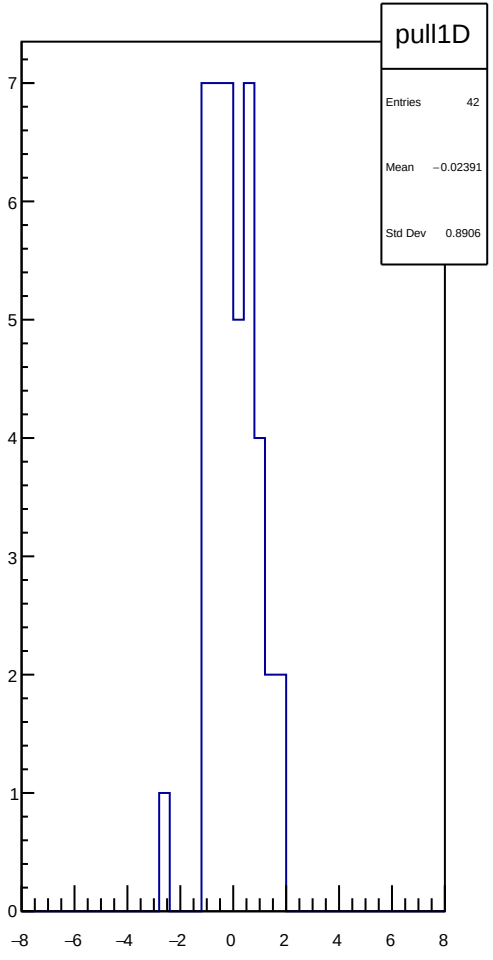

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 75.38 / 41
p0 1730 ± 1.901
1780
1760
1740
1720
1700
1680
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

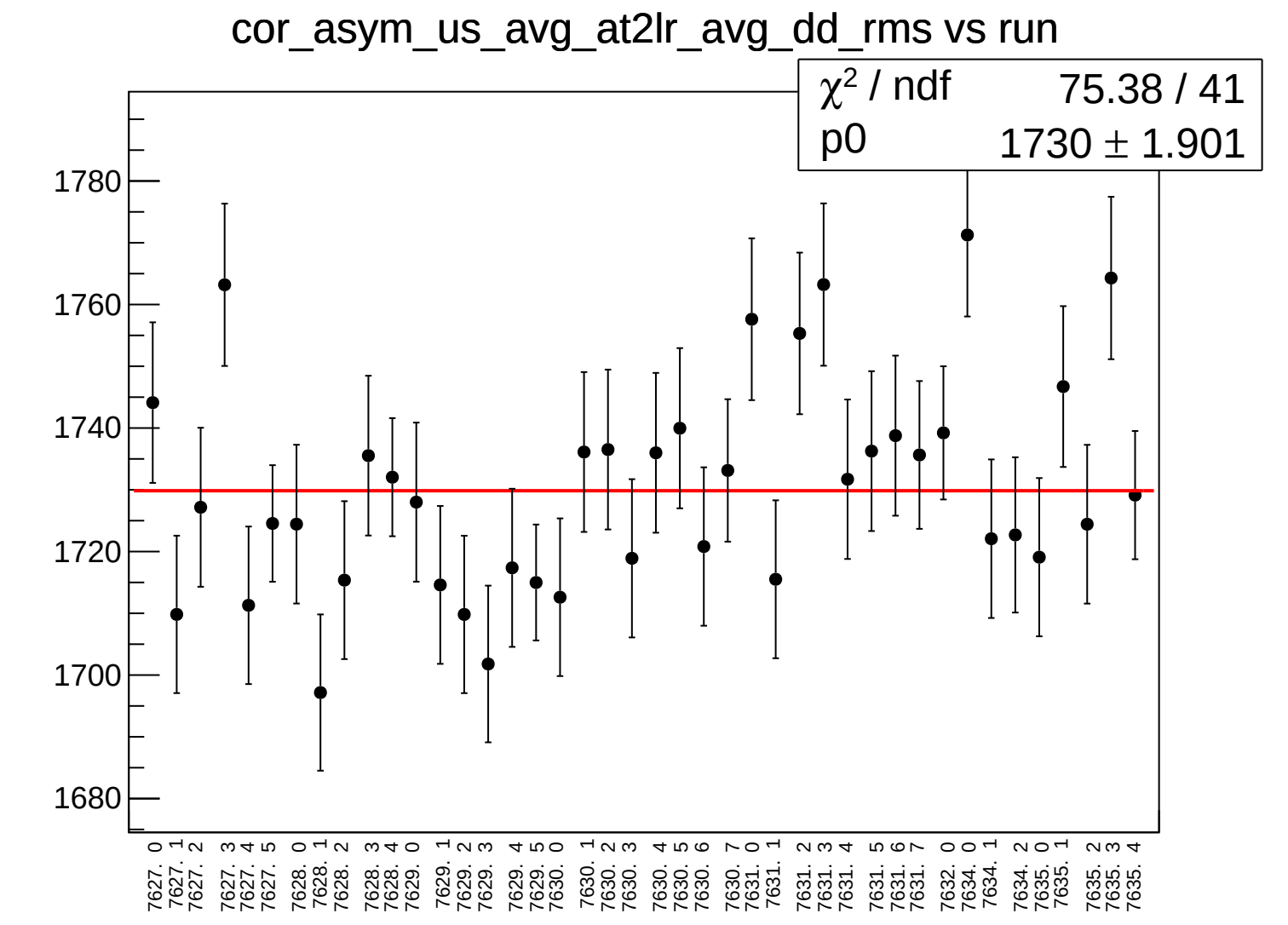

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
χ² / ndf 32.29 / 41
p0 −4.73e+04 ± 1.913e+04
×10³
300
200
100
0
−100
−200
−300
−400
−500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2.336
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01428
Std Dev 0.8767
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 7774 / 41
p0 1.225e+04 ± 13.53
14000
13000
12000
11000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 33.34 / 41
p0 −3687 ± 2689
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 48.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean −0.02391
Std Dev 0.8906
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 75.38 / 41
p0 1730 ± 1.901
1780
1760
1740
1720
1700
1680
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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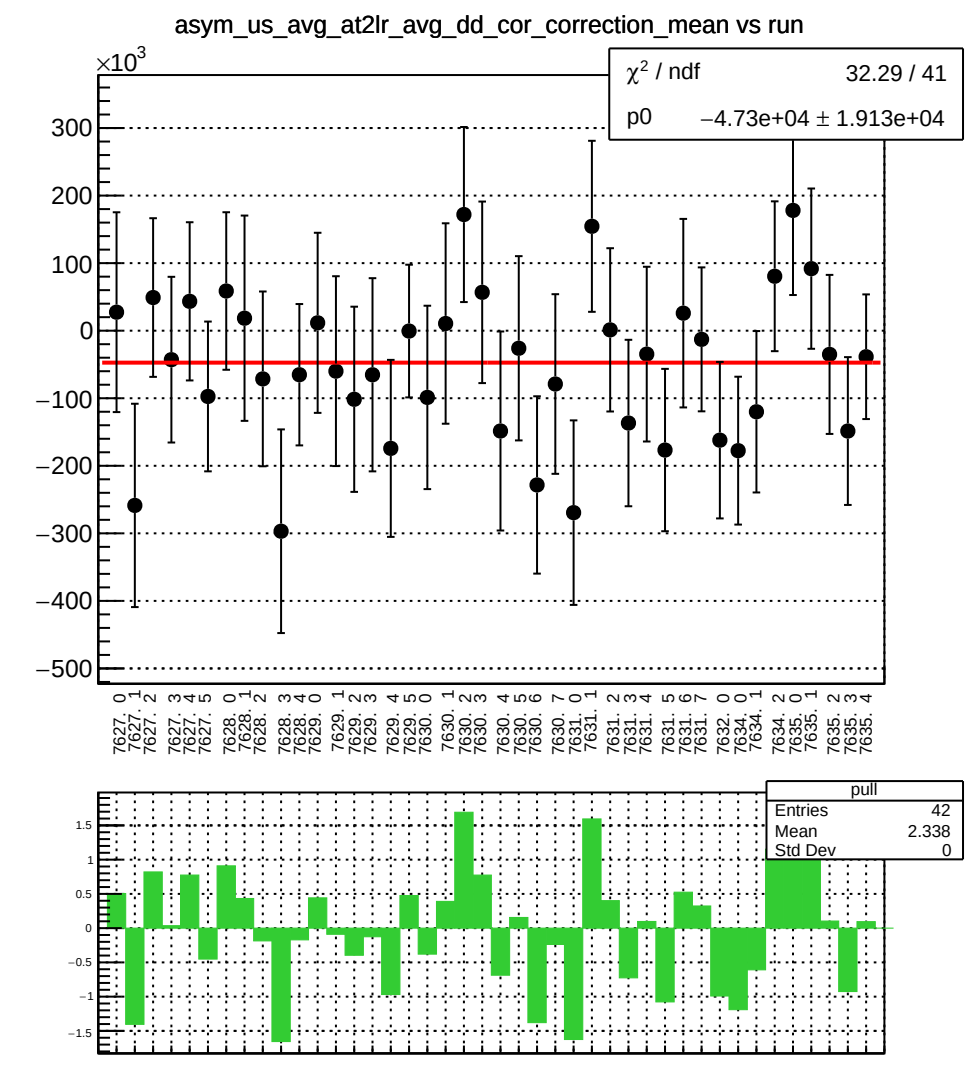
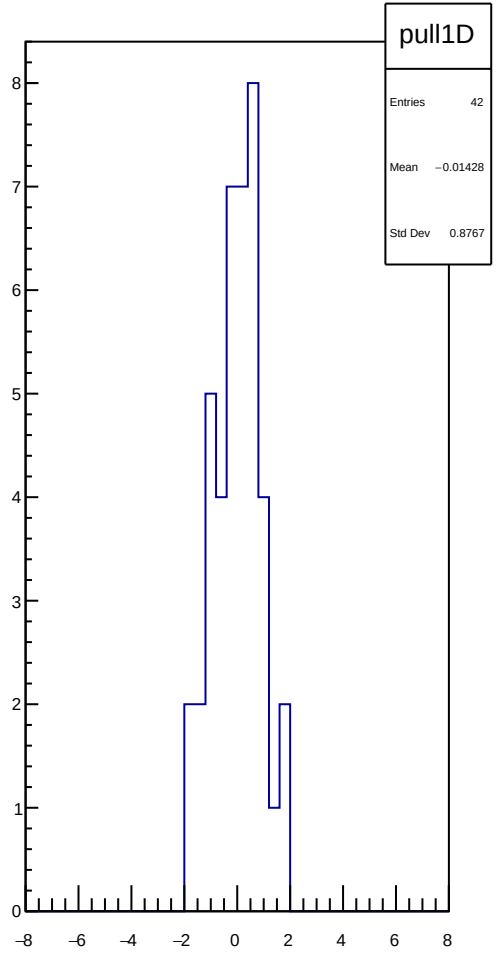
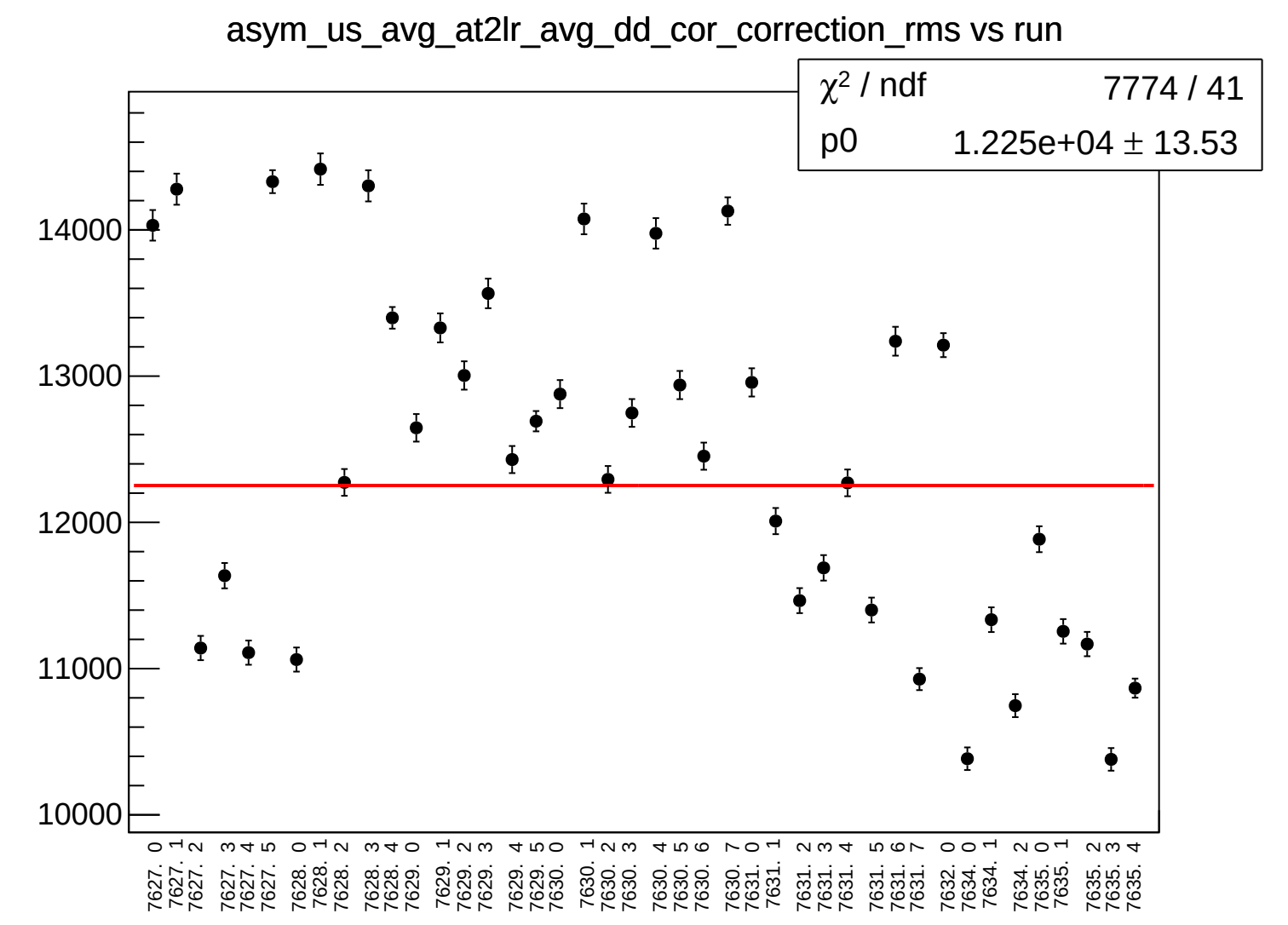
7635. 3
7635. 4


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
χ² / ndf 32.29 / 41
p0 −4.73e+04 ± 1.913e+04
×10³
300
200
100
0
−100
−200
−300
−400
−500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2.338
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.01428
Std Dev 0.8767
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 7774 / 41
p0 1.225e+04 ± 13.53
14000
13000
12000
11000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
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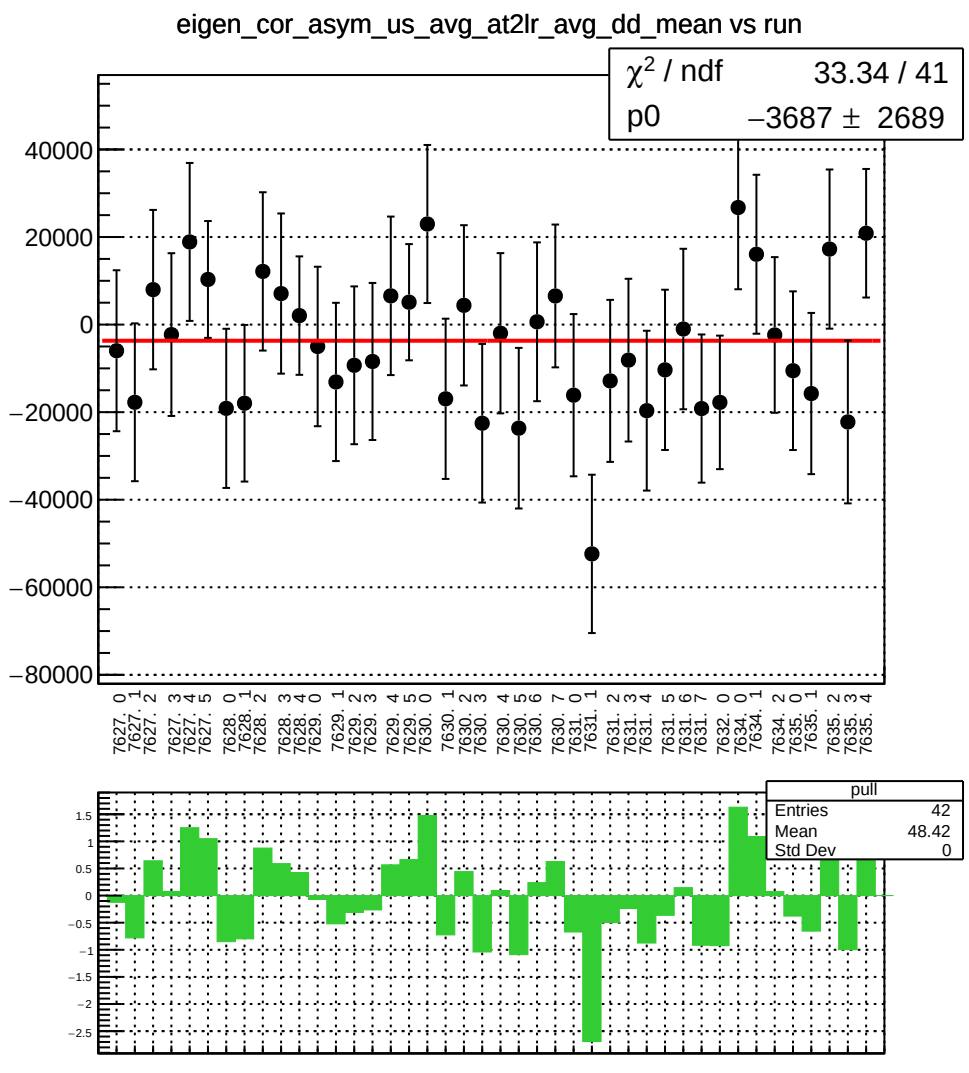
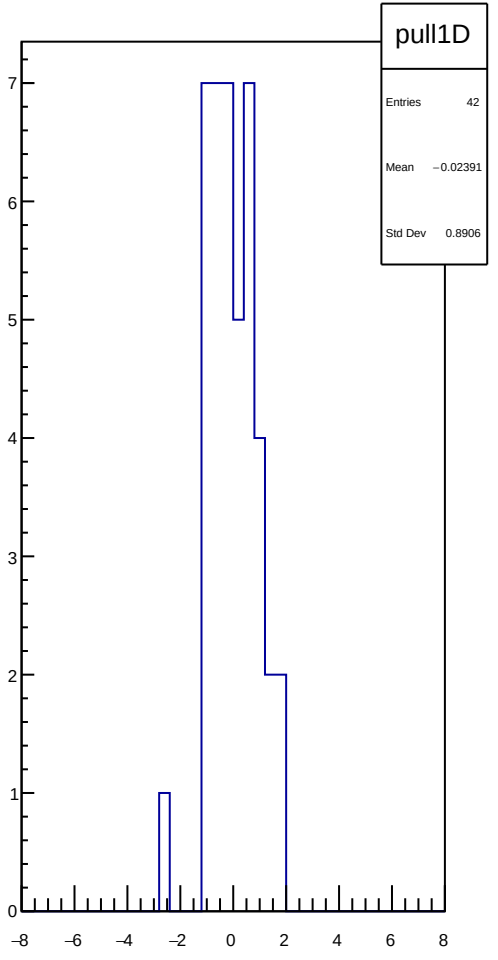
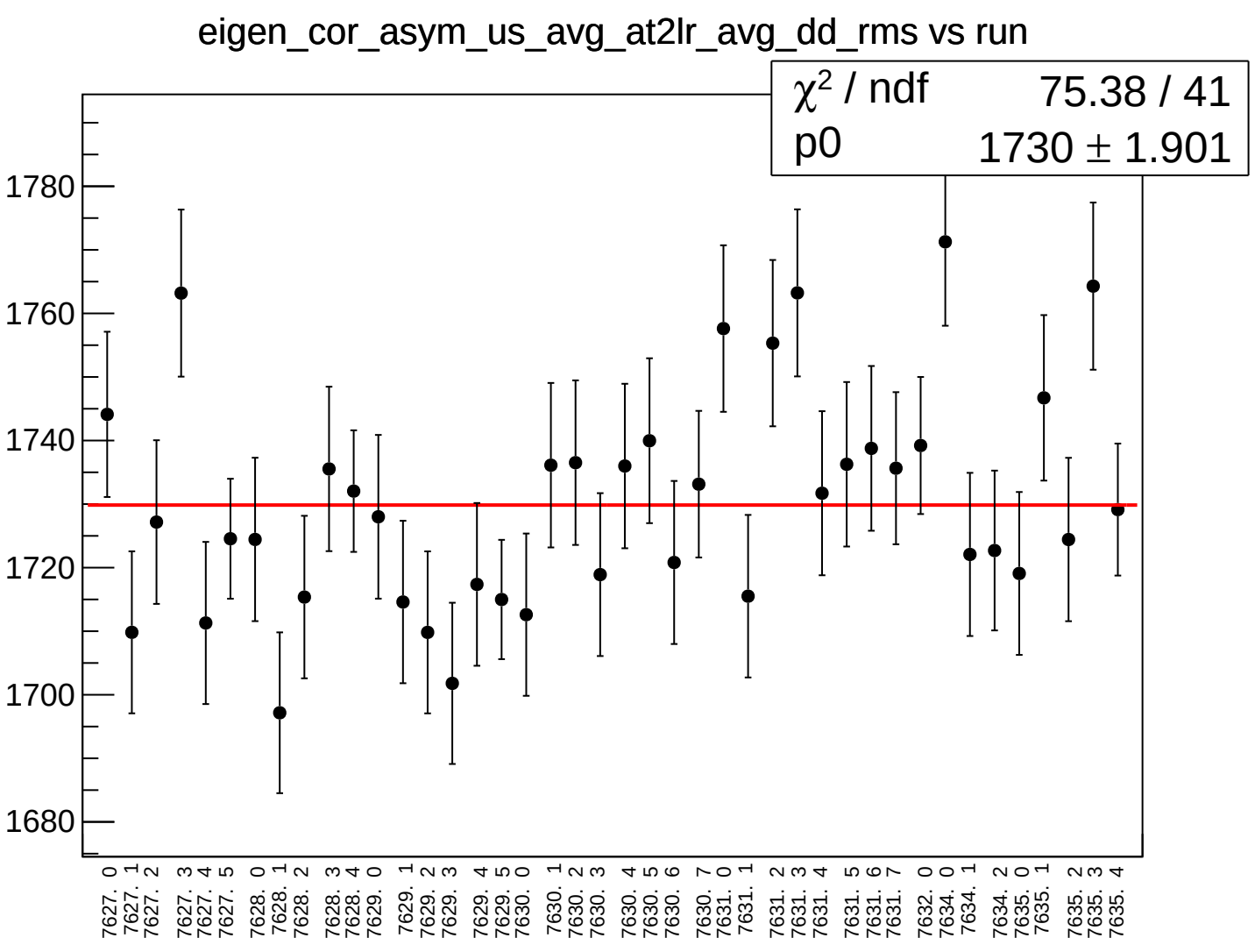
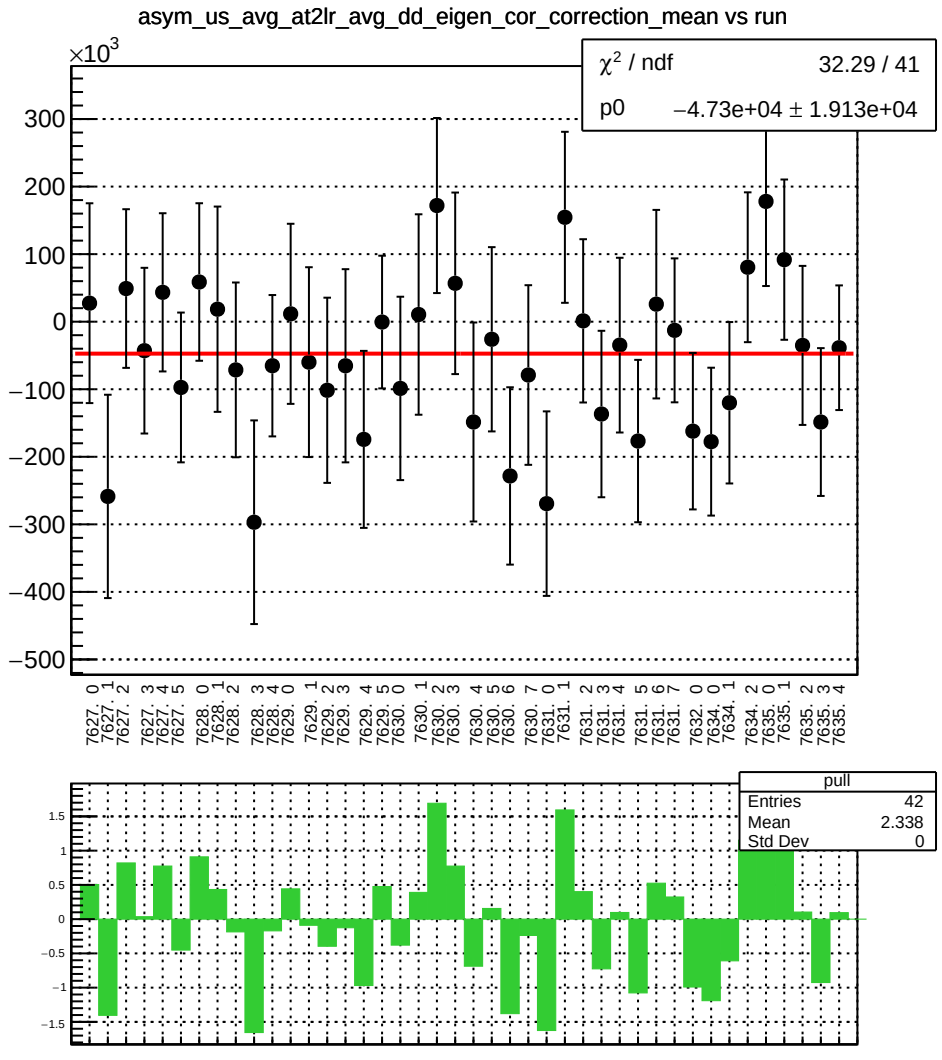
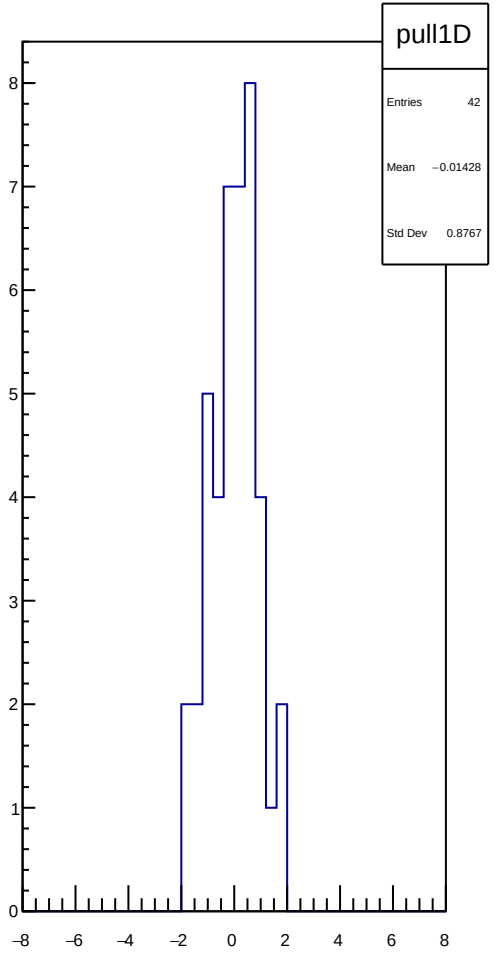
7635. 3
7635. 4

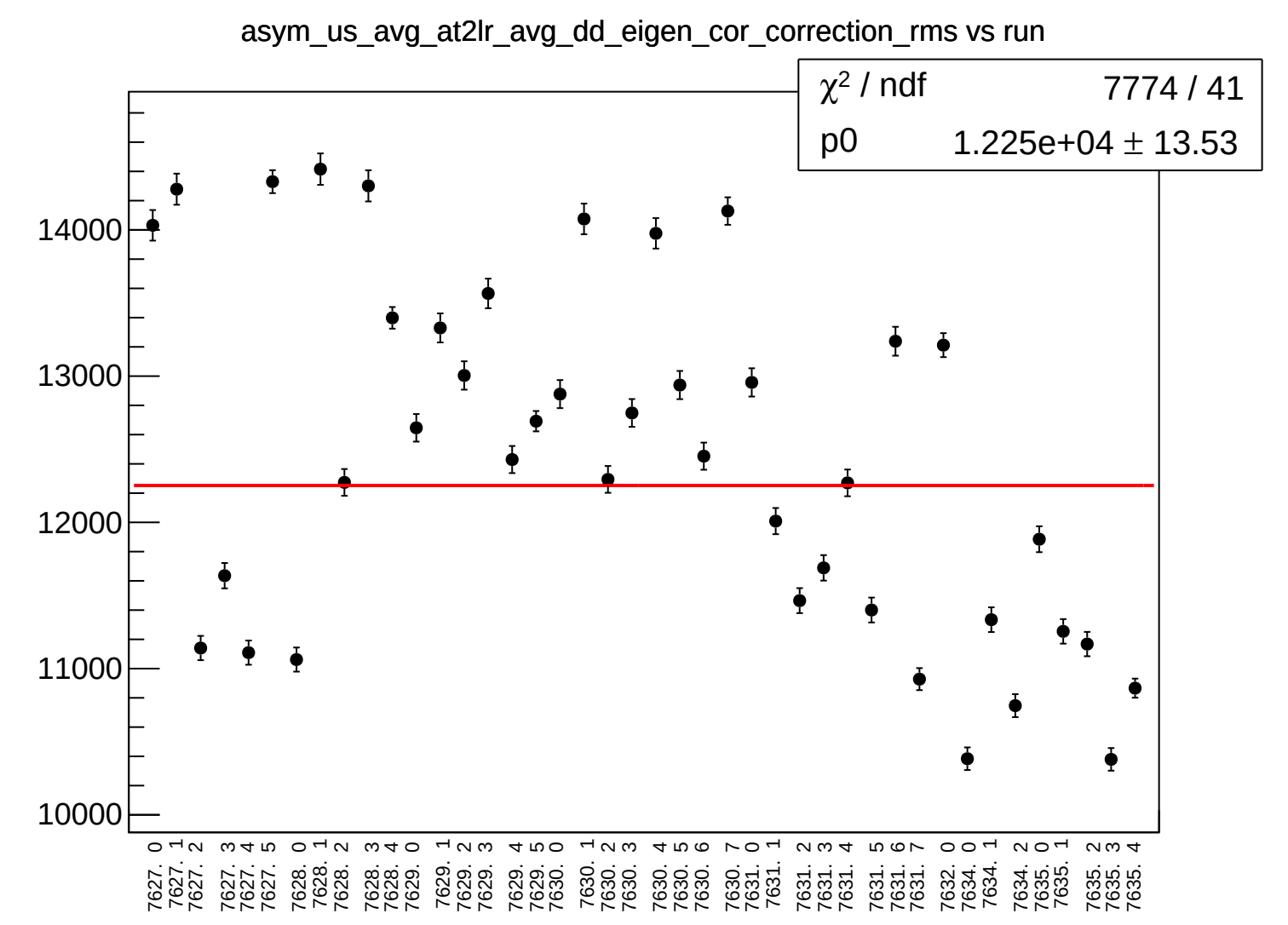

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 33.34 / 41
p0 −3687 ± 2689
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 48.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

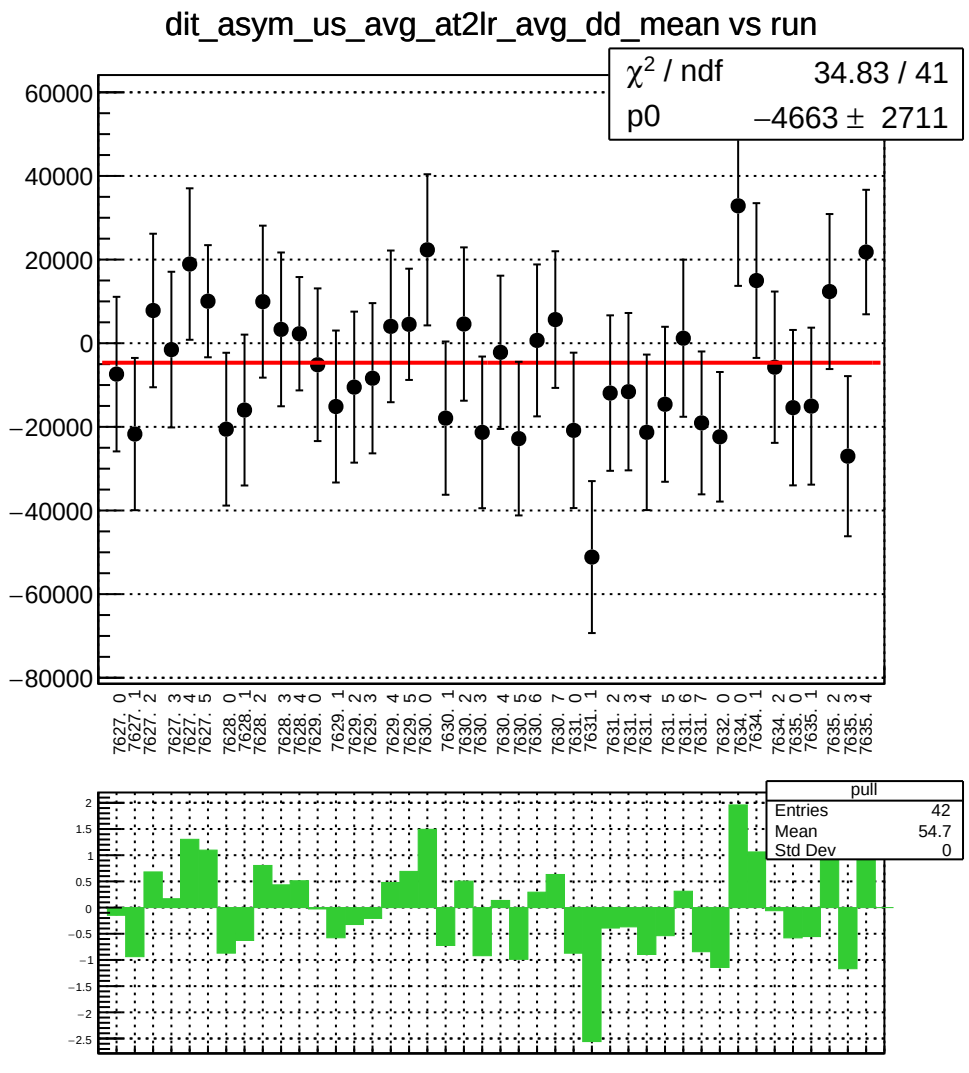

pull1D
Entries 42
Mean −0.02391
Std Dev 0.8906
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

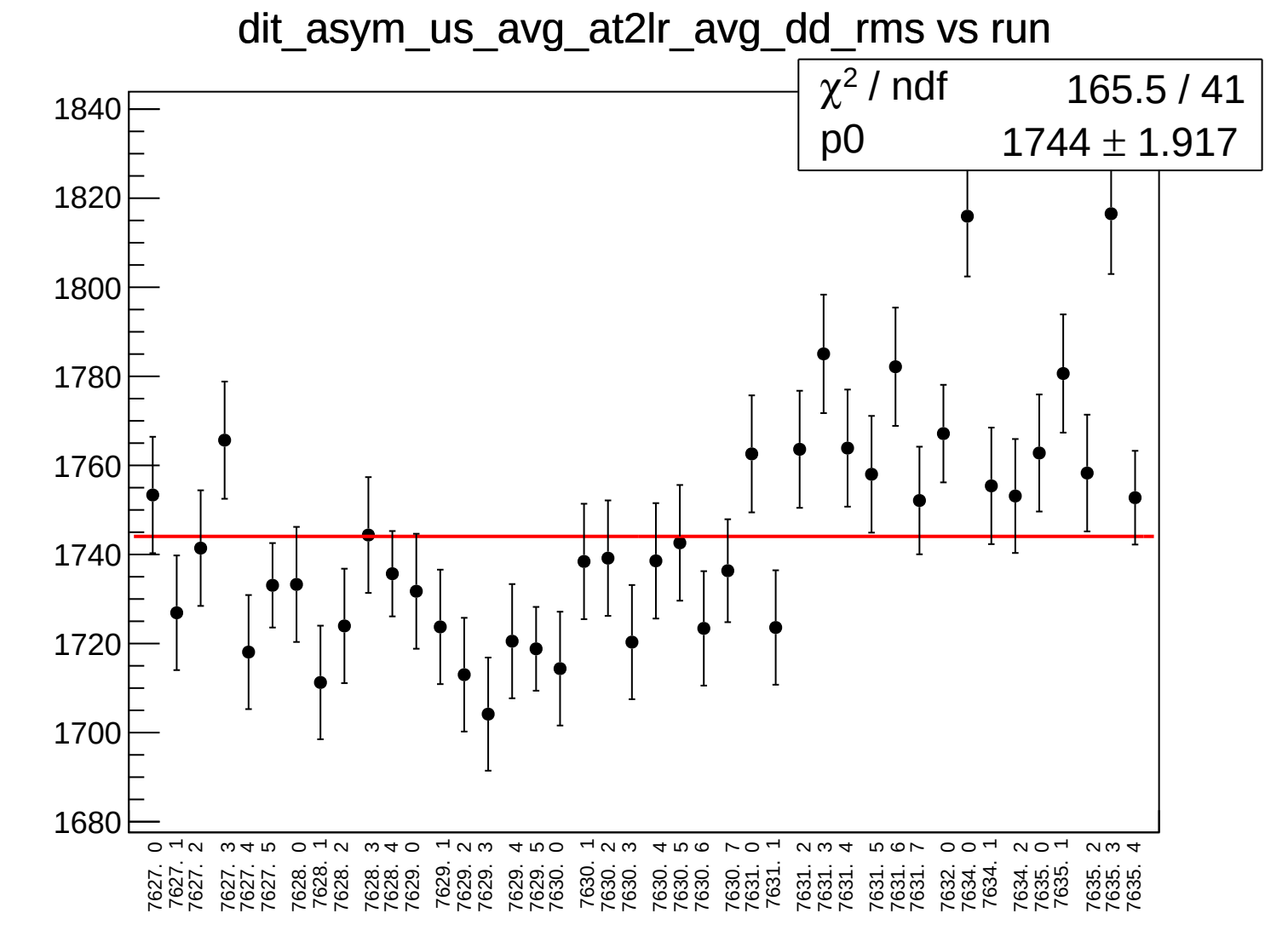

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 75.38 / 41
p0 1730 ± 1.901
1780
1760
1740
1720
1700
1680
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

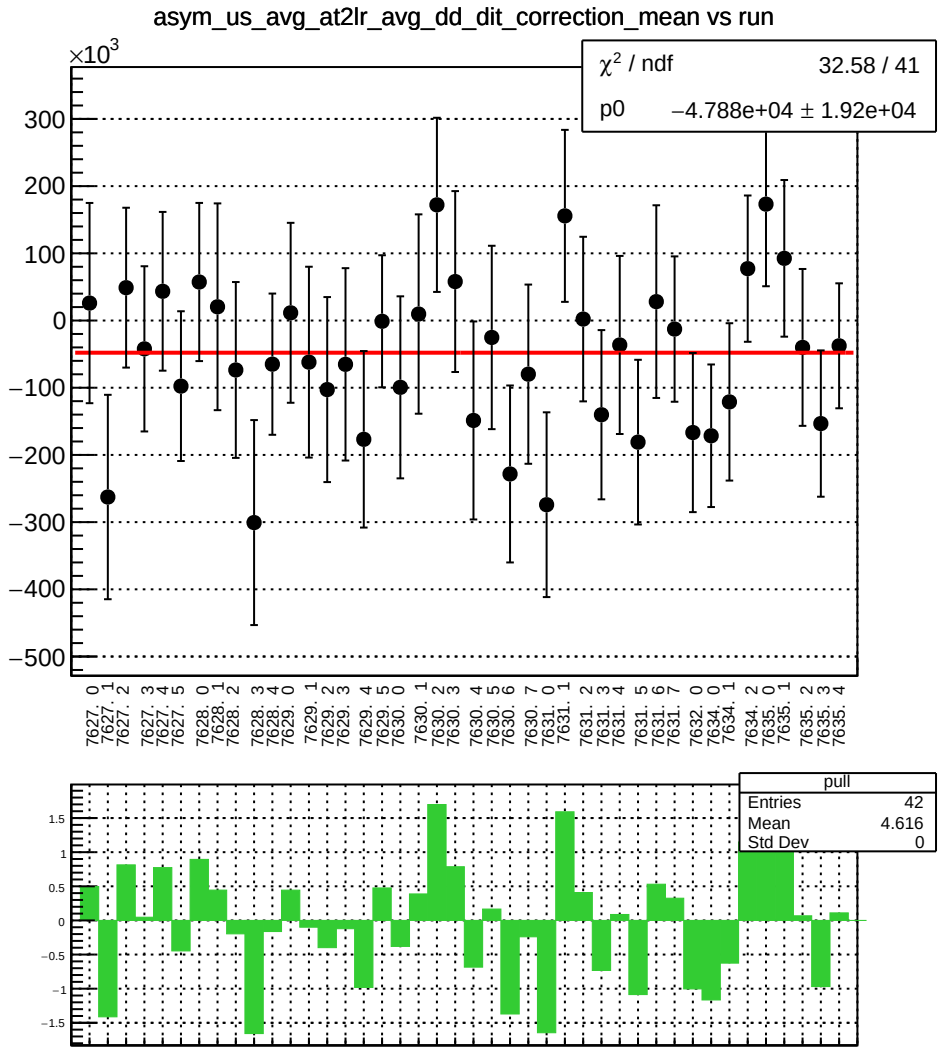

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 32.29 / 41
p0 −4.73e+04 ± 1.913e+04
pull
Entries 42
Mean 2.338
Std Dev 0

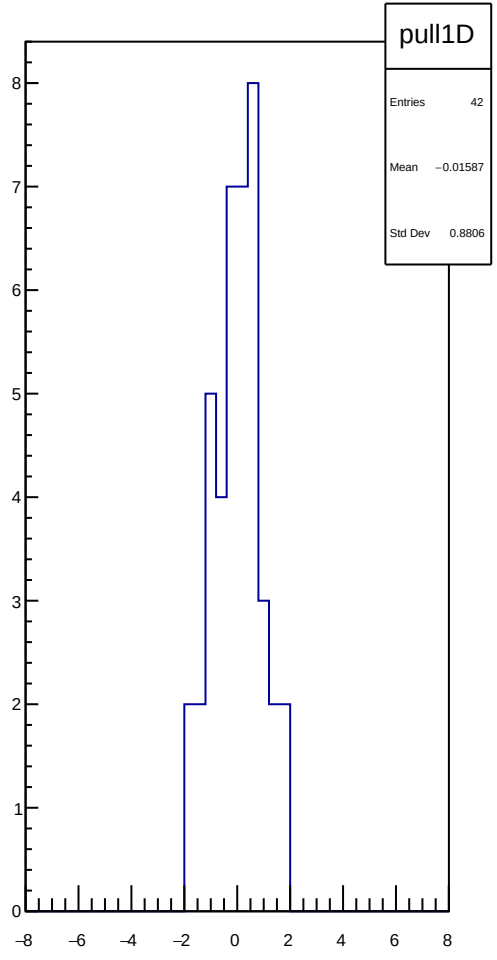

pull1D
Entries 42
Mean −0.01428
Std Dev 0.8767

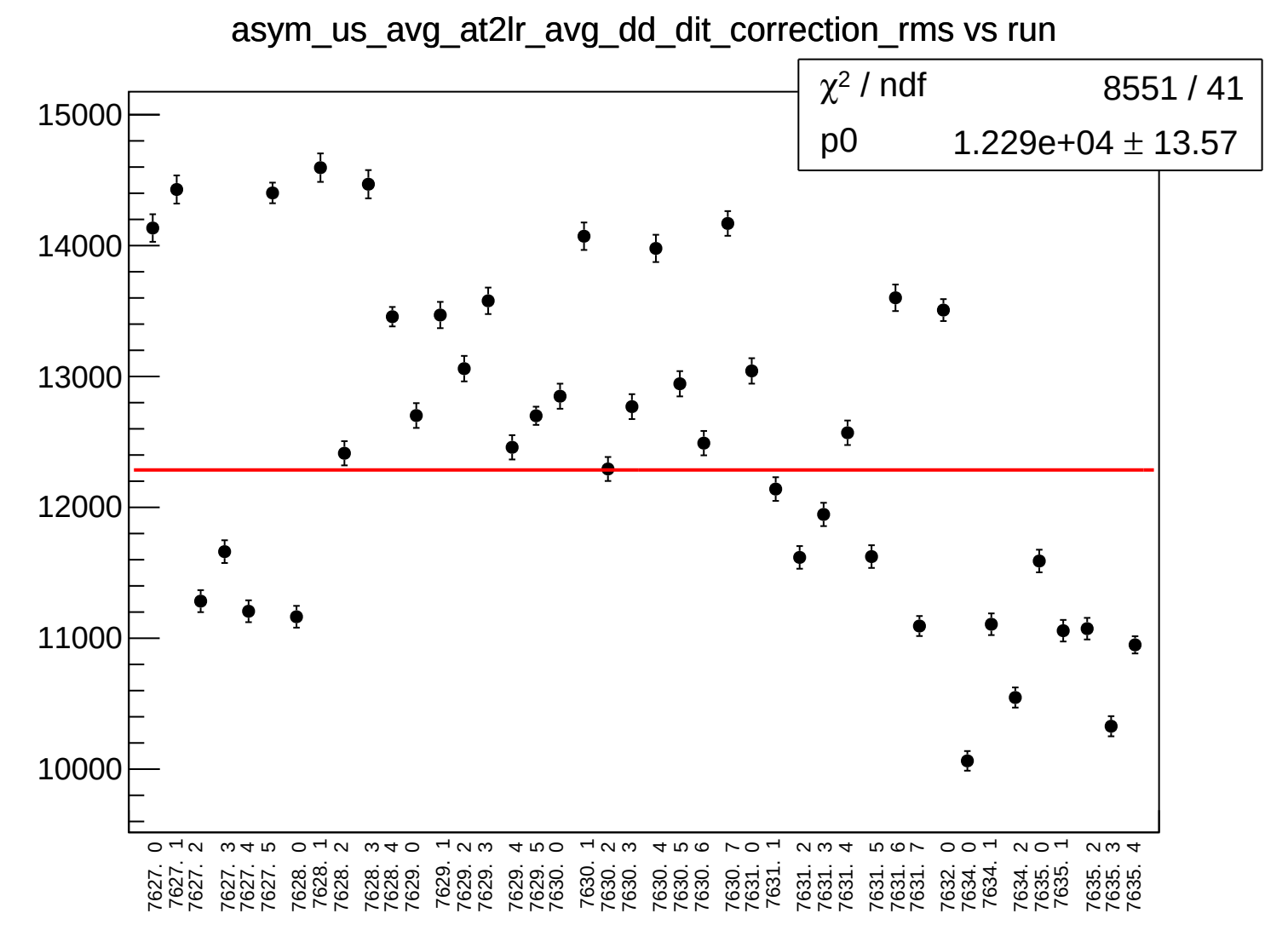

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 7774 / 41
p0 1.225e+04 ± 13.53
14000
13000
12000
11000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

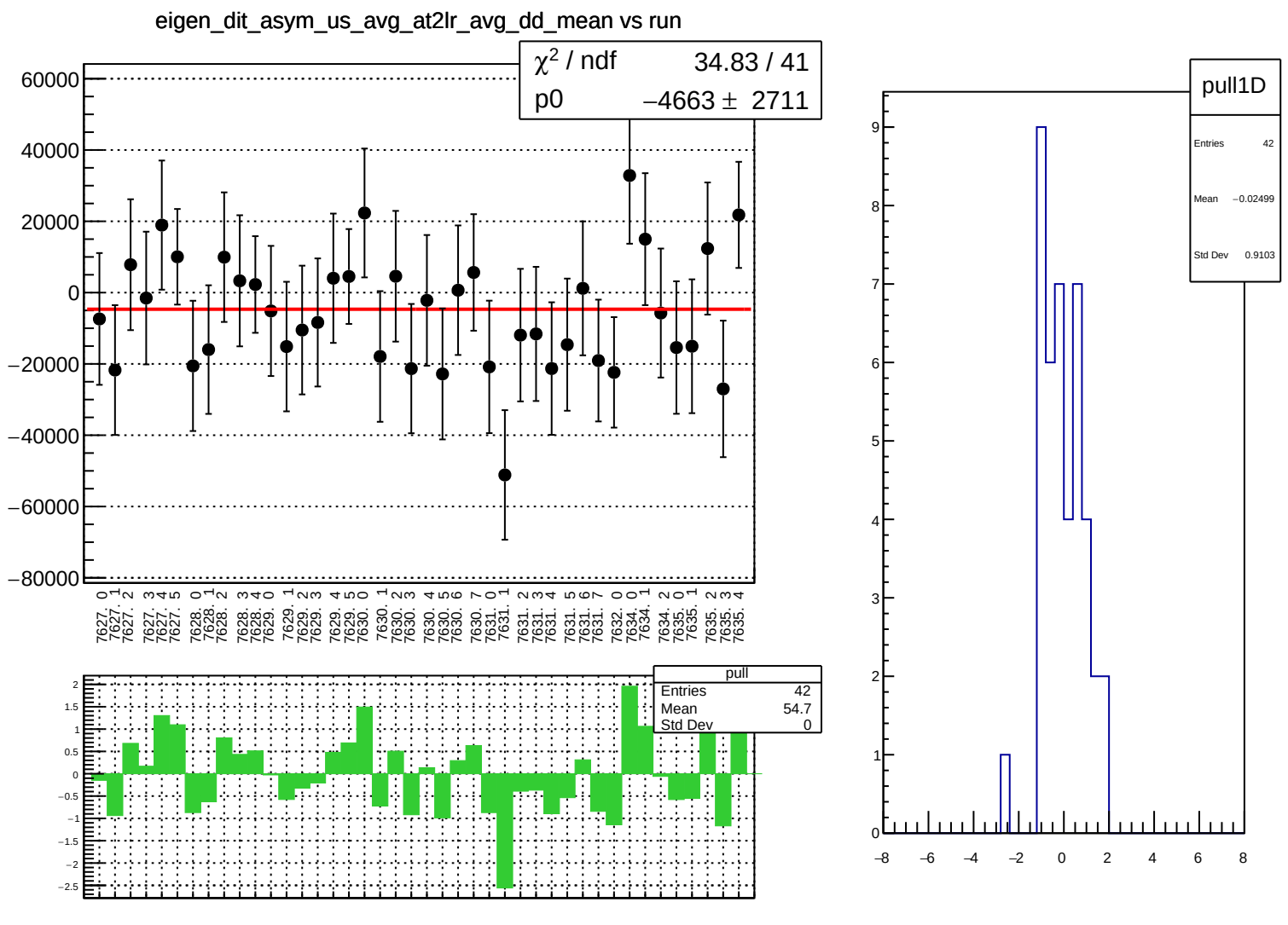

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 34.83 / 41
p0 −4663 ± 2711
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 54.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.02499
Std Dev 0.9103
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

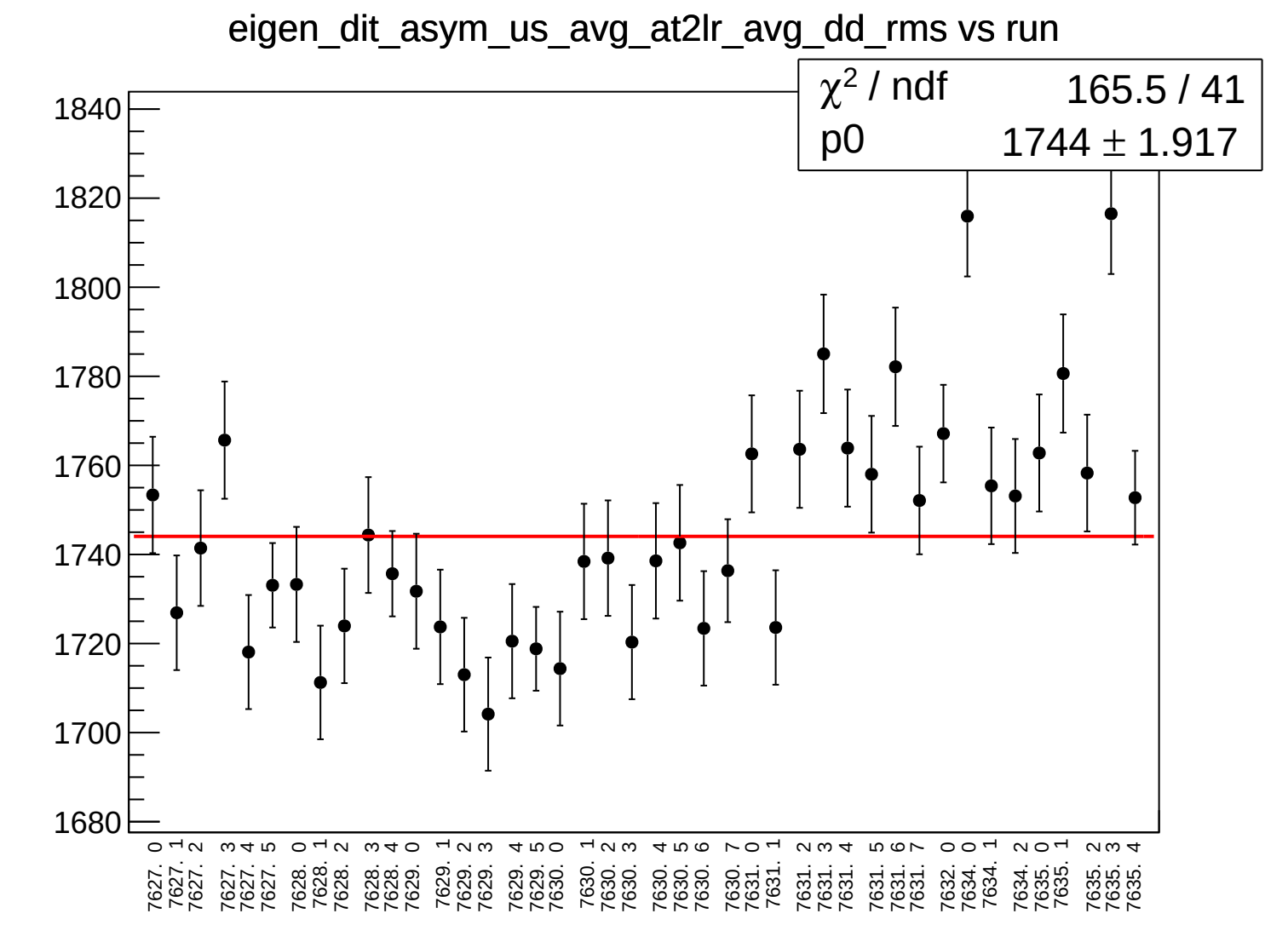

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 165.5 / 41
p0 1744 ± 1.917
1840
1820
1800
1780
1760
1740
1720
1700
1680
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

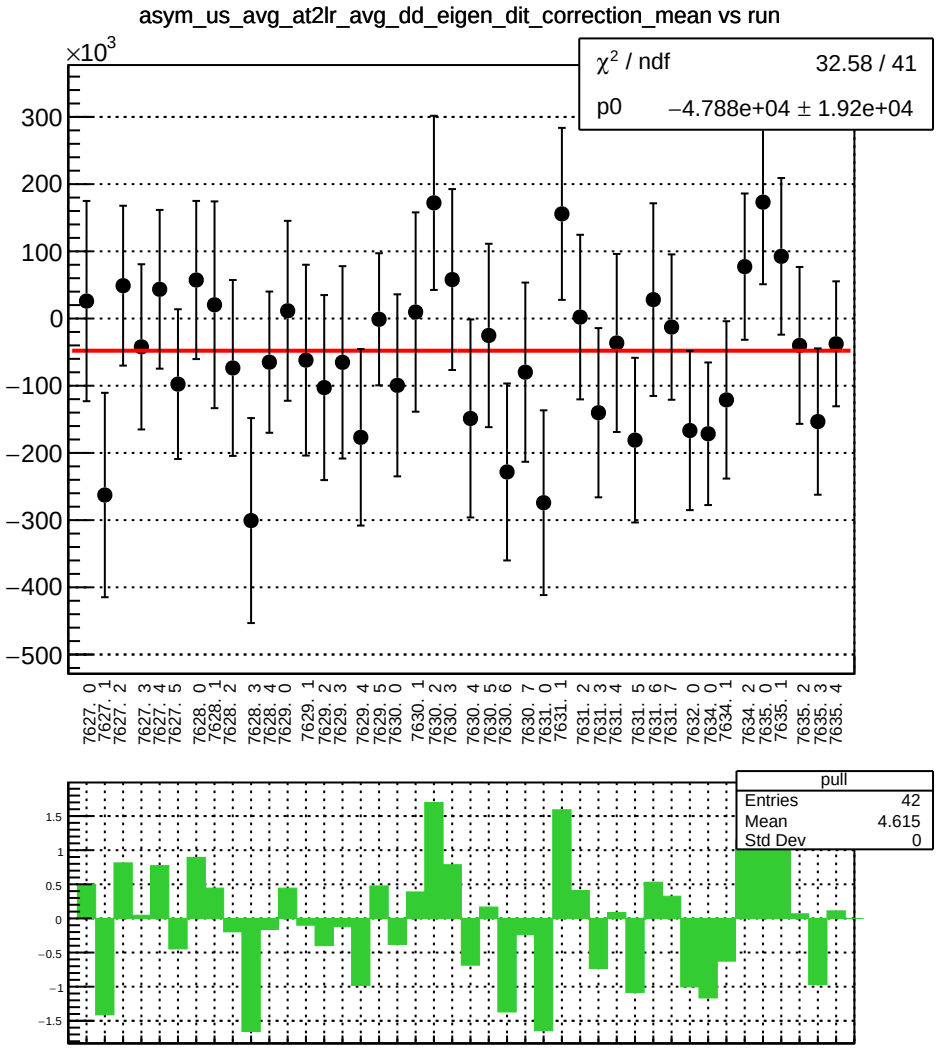

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −4.788e+04 ± 1.92e+04
300
200
100
0
−100
−200
−300
−400
−500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 4.616
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

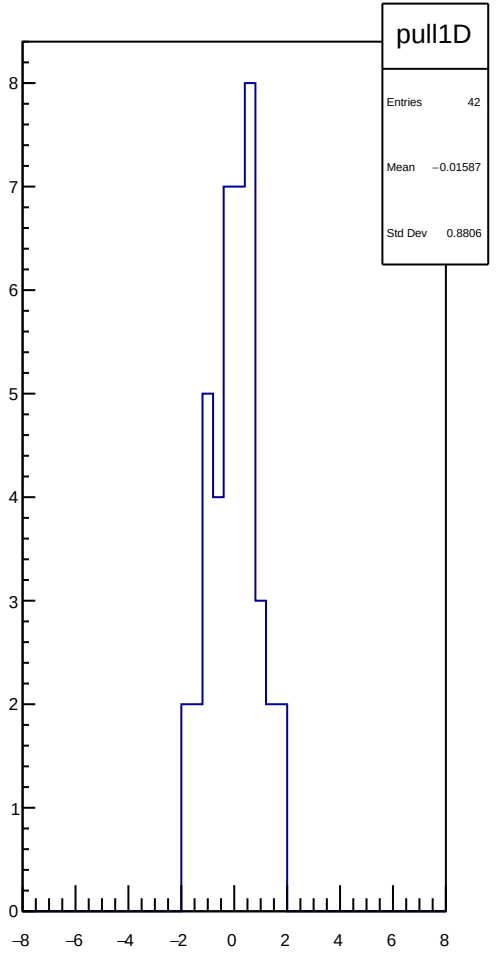

pull1D
Entries 42
Mean −0.01587
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

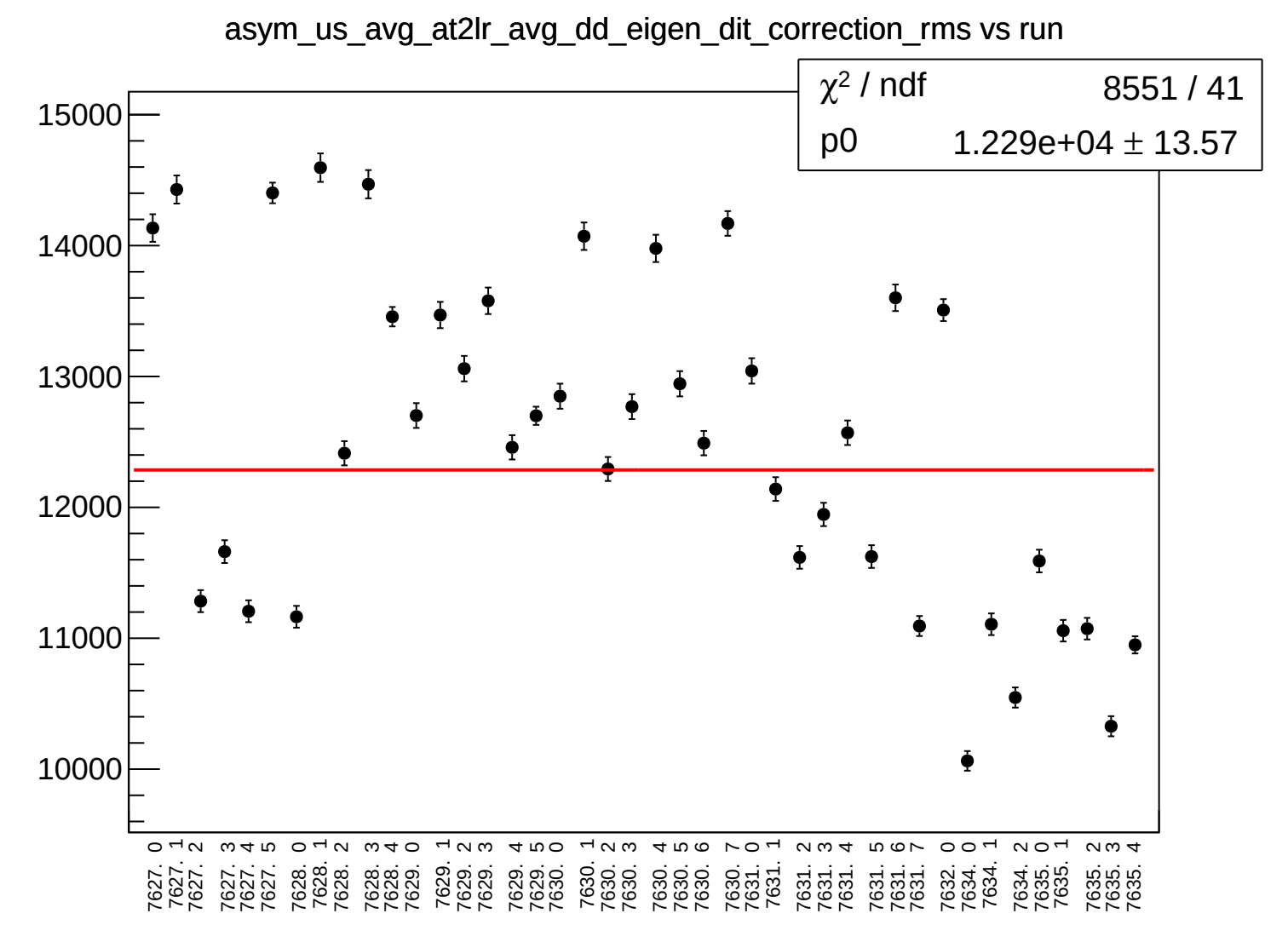

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 8551 / 41
p0 1.229e+04 ± 13.57
15000
14000
13000
12000
11000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

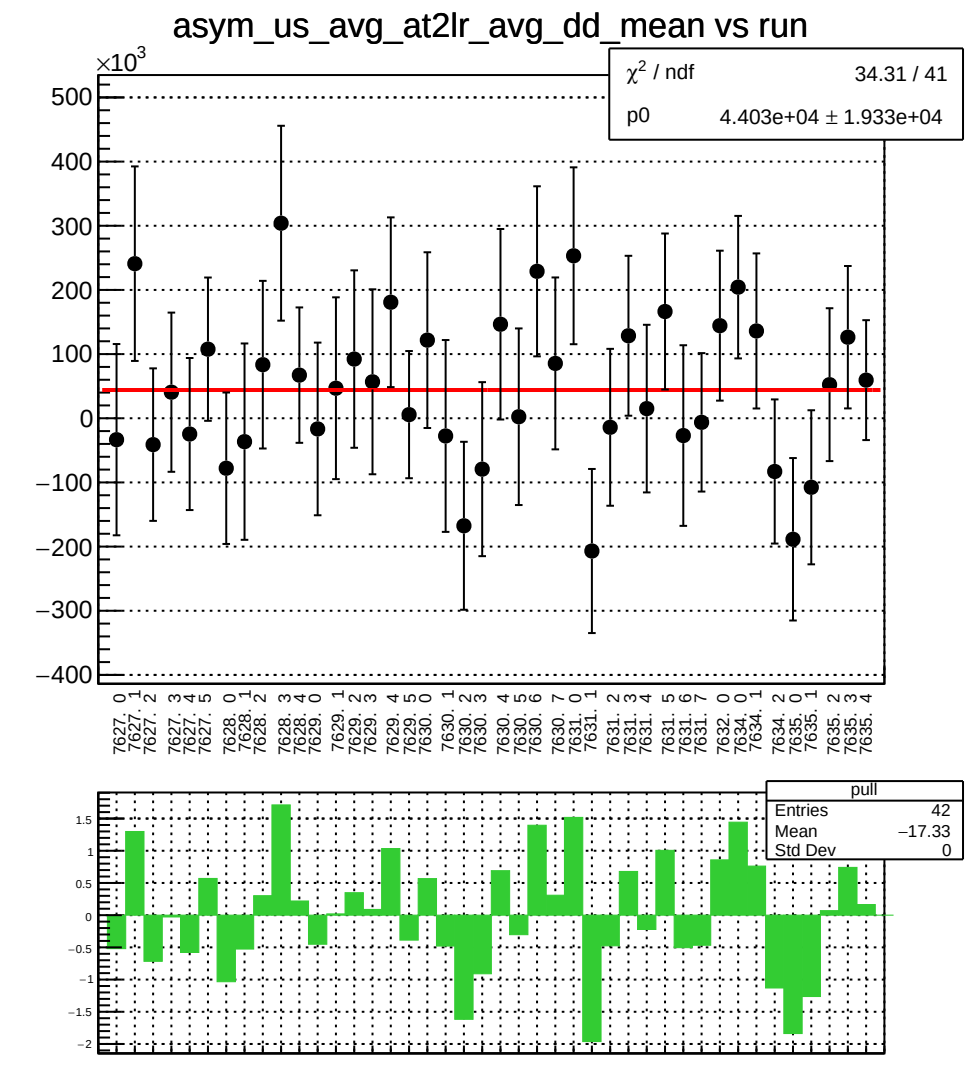

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 34.83 / 41
p0 −4663 ± 2711
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 54.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.02499
Std Dev 0.9103
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

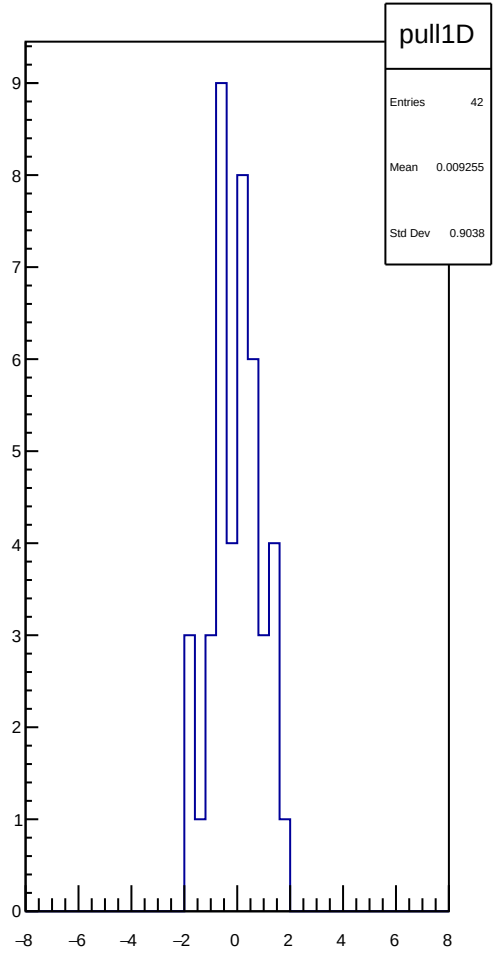

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 165.5 / 41
p0 1744 ± 1.917
1840
1820
1800
1780
1760
1740
1720
1700
1680
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

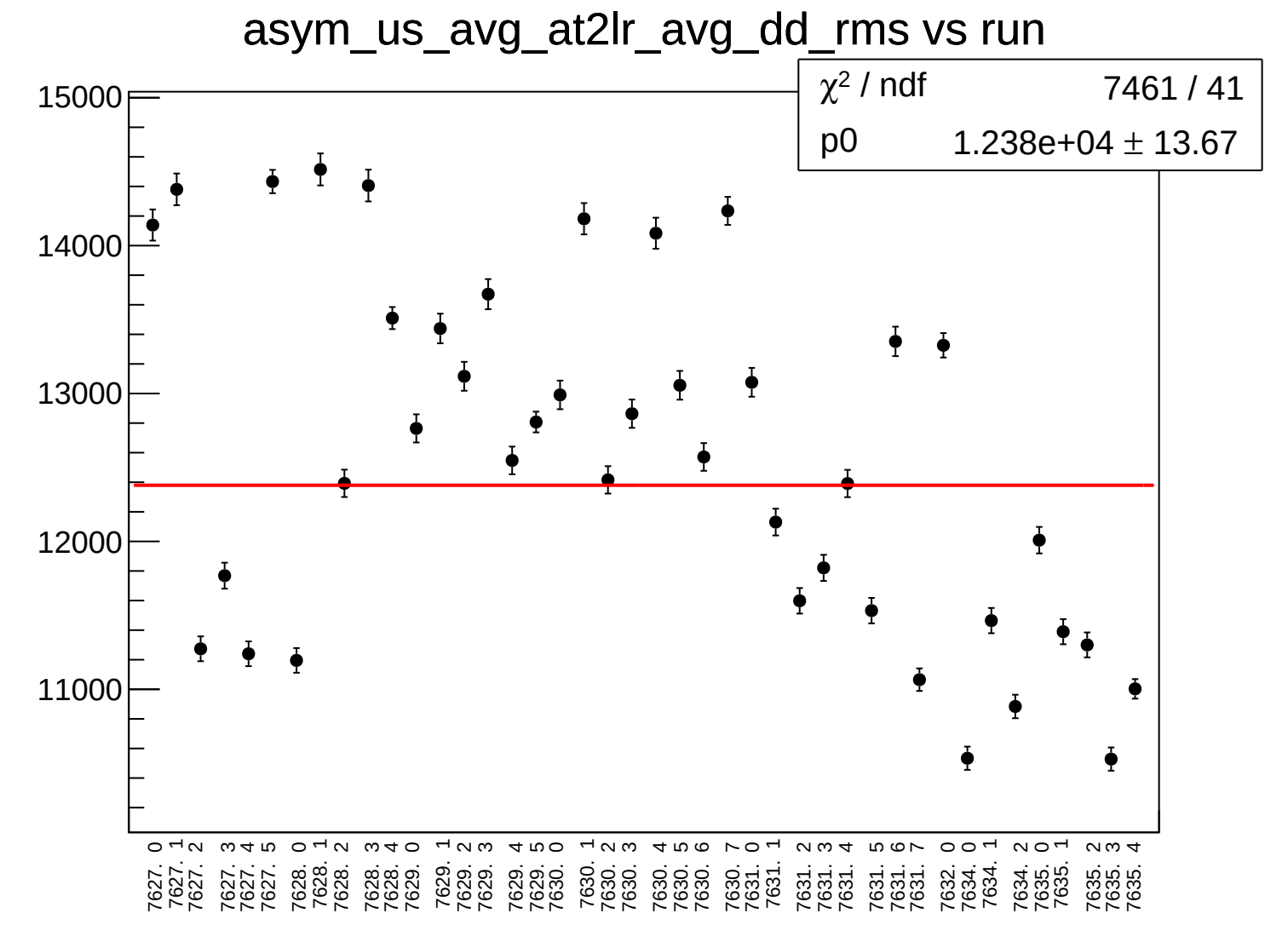

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.58 / 41
p0 −4.788e+04 ± 1.92e+04
pull
Entries 42
Mean 4.615
Std Dev 0

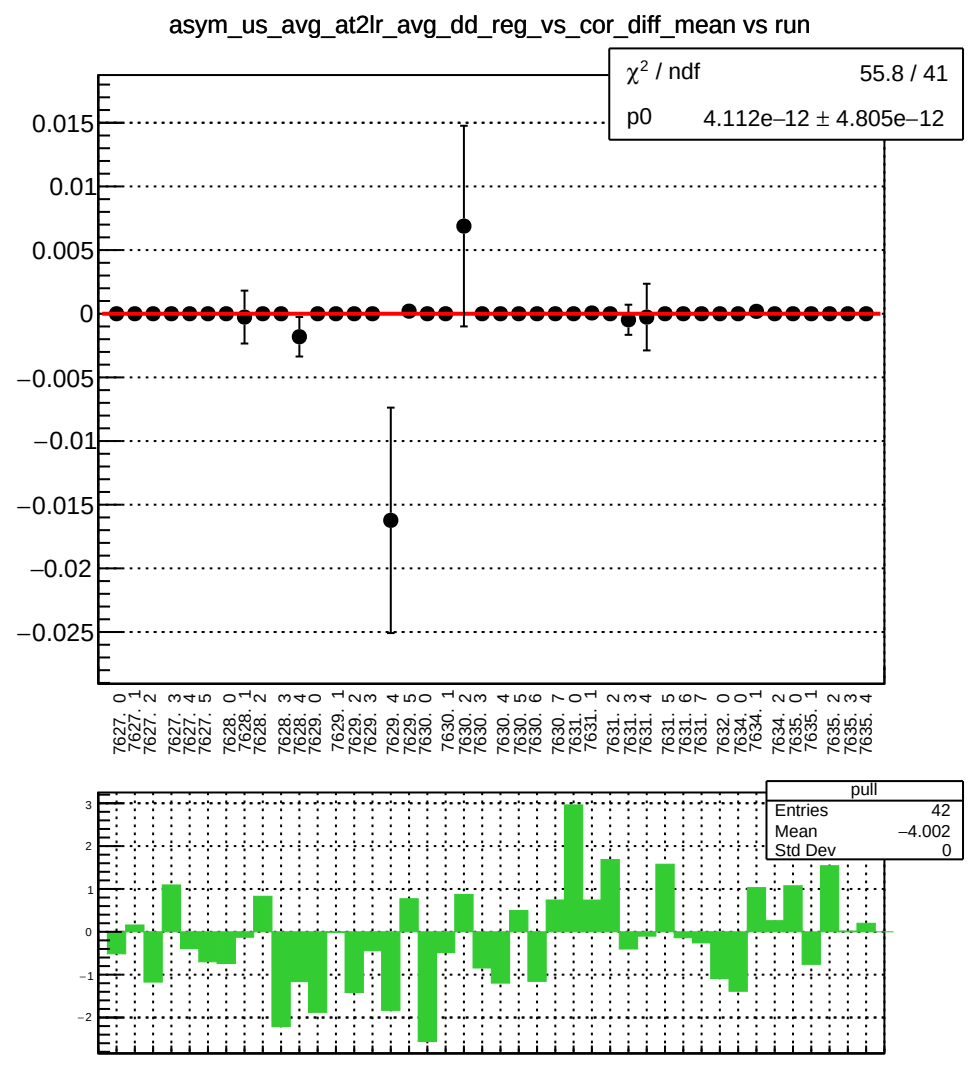

pull1D
Entries 42
Mean −0.01587
Std Dev 0.8806

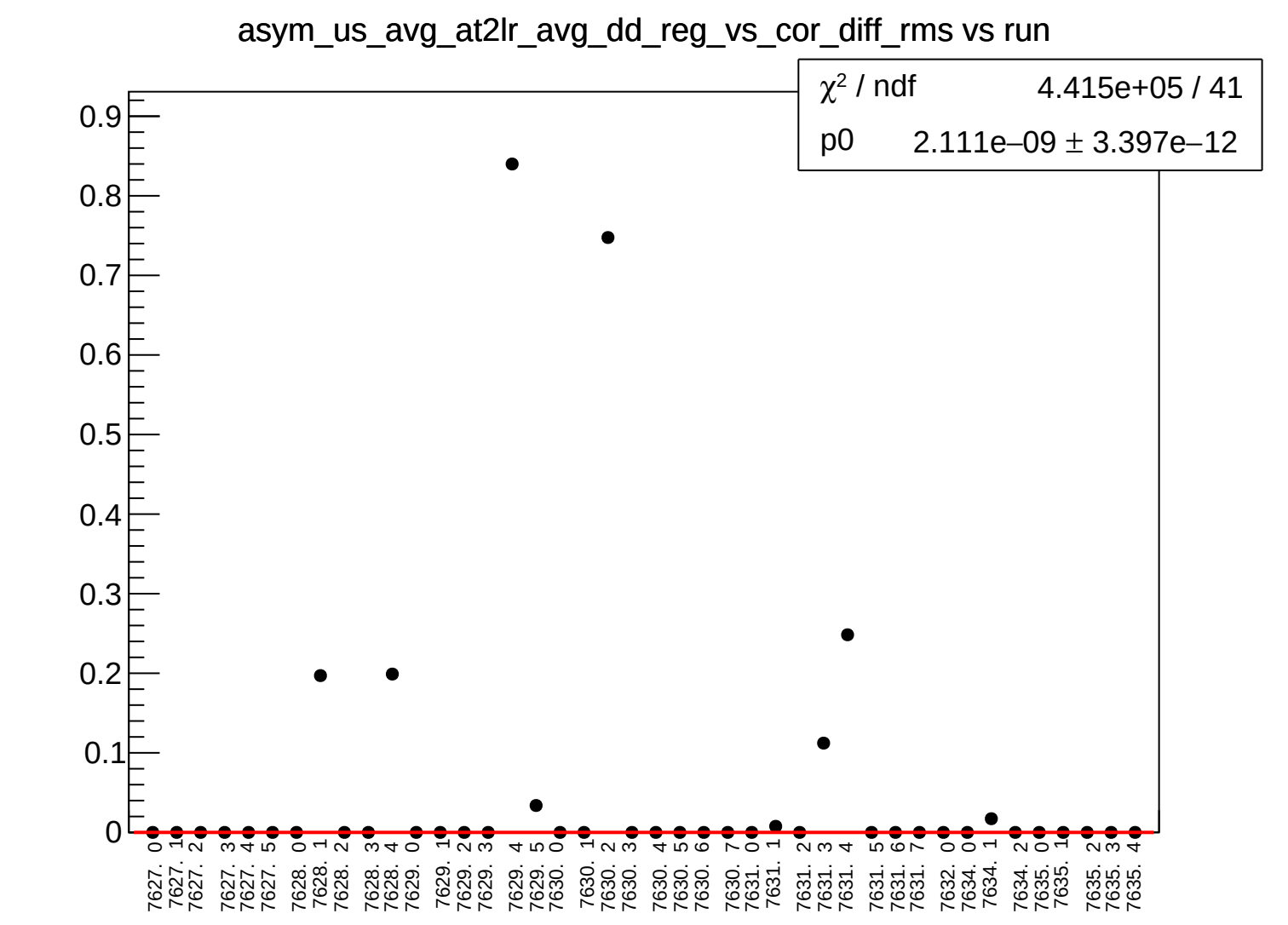

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 8551 / 41
p0 1.229e+04 ± 13.57
15000
14000
13000
12000
11000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

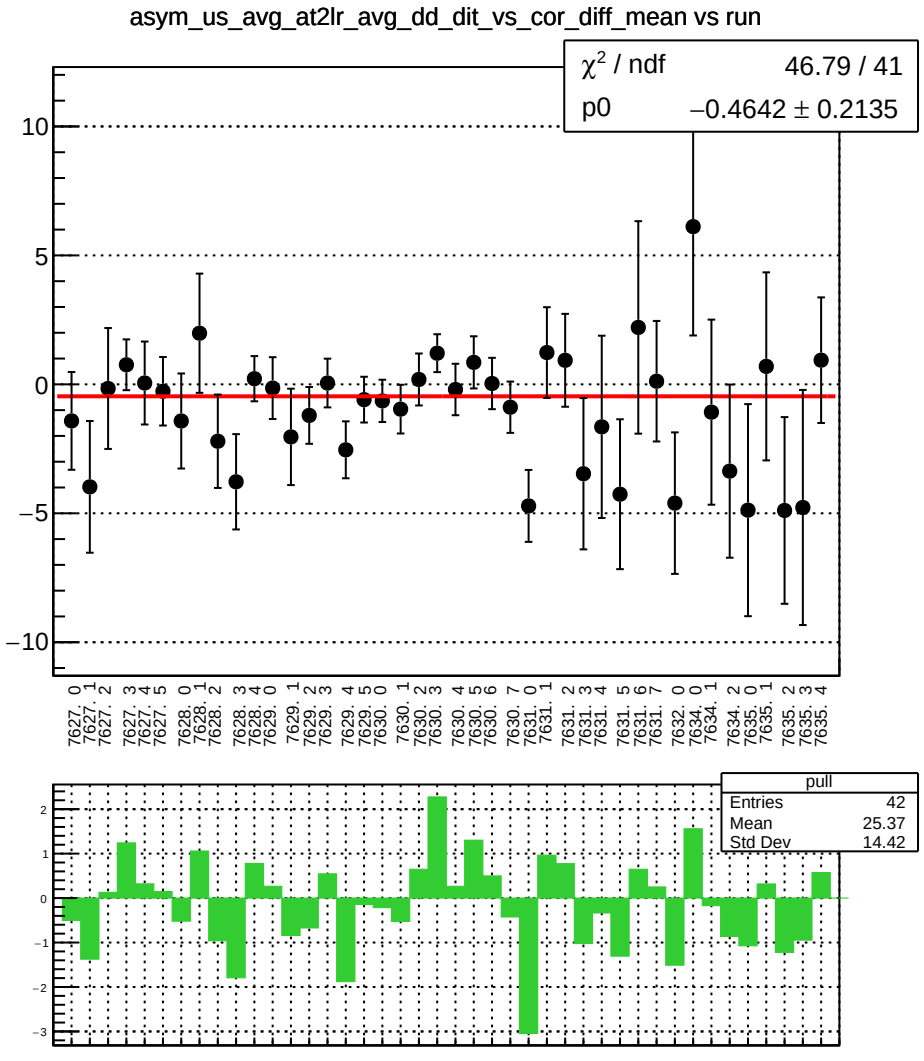

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 34.31 / 41
p0 4.403e+04 ± 1.933e+04
pull
Entries 42
Mean −17.33
Std Dev 0

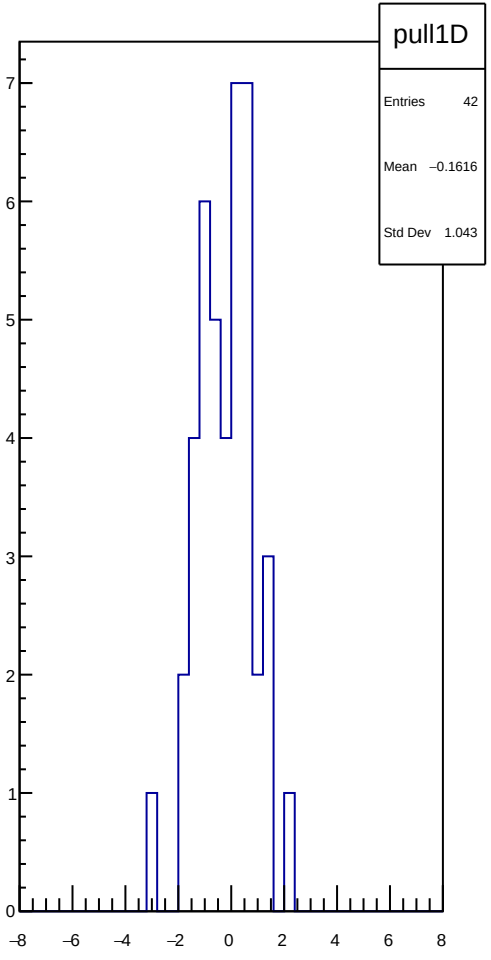

pull1D
Entries 42
Mean 0.009255
Std Dev 0.9038

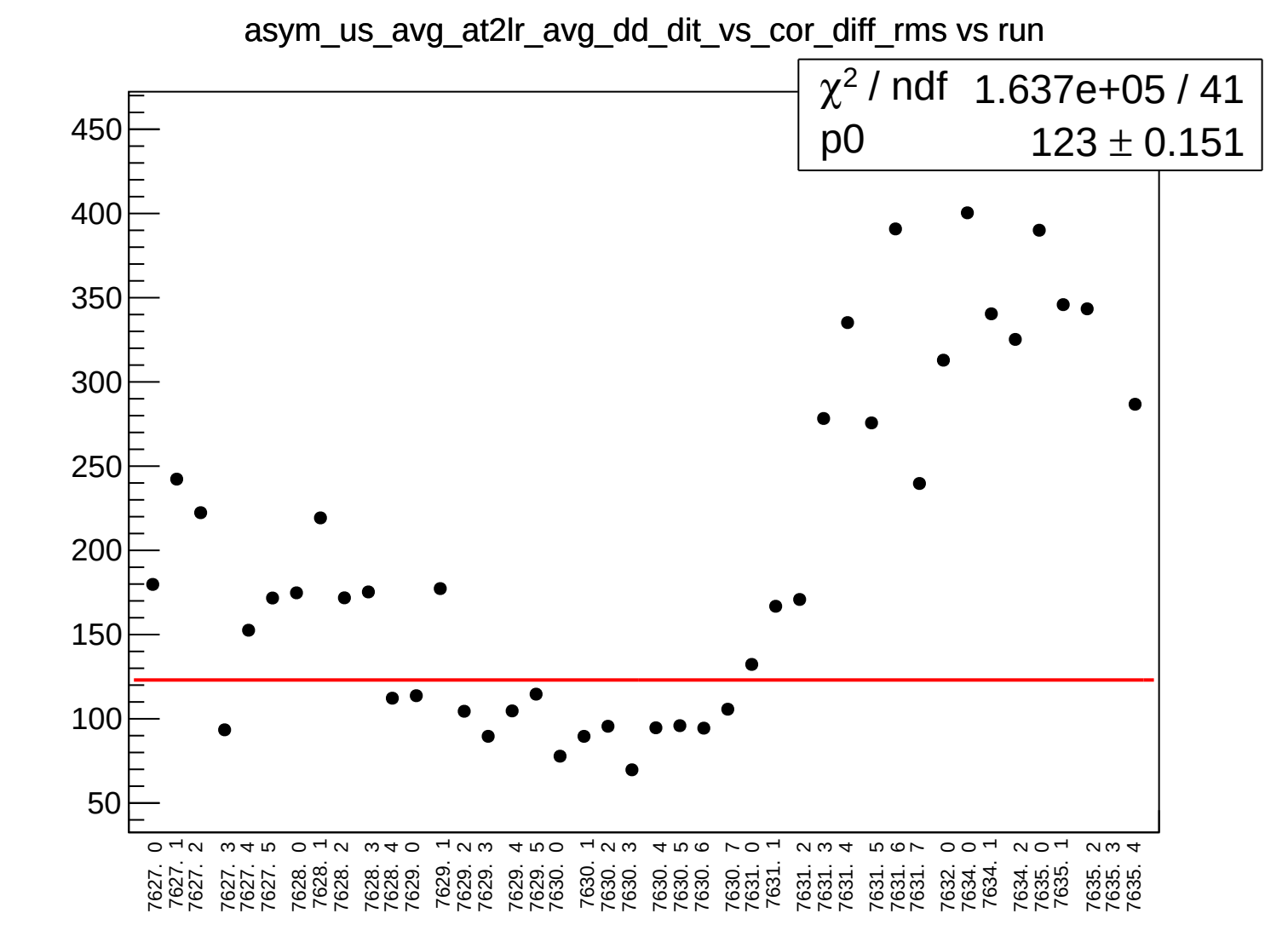

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 7461 / 41
p0 1.238e+04 ± 13.67
15000
14000
13000
12000
11000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

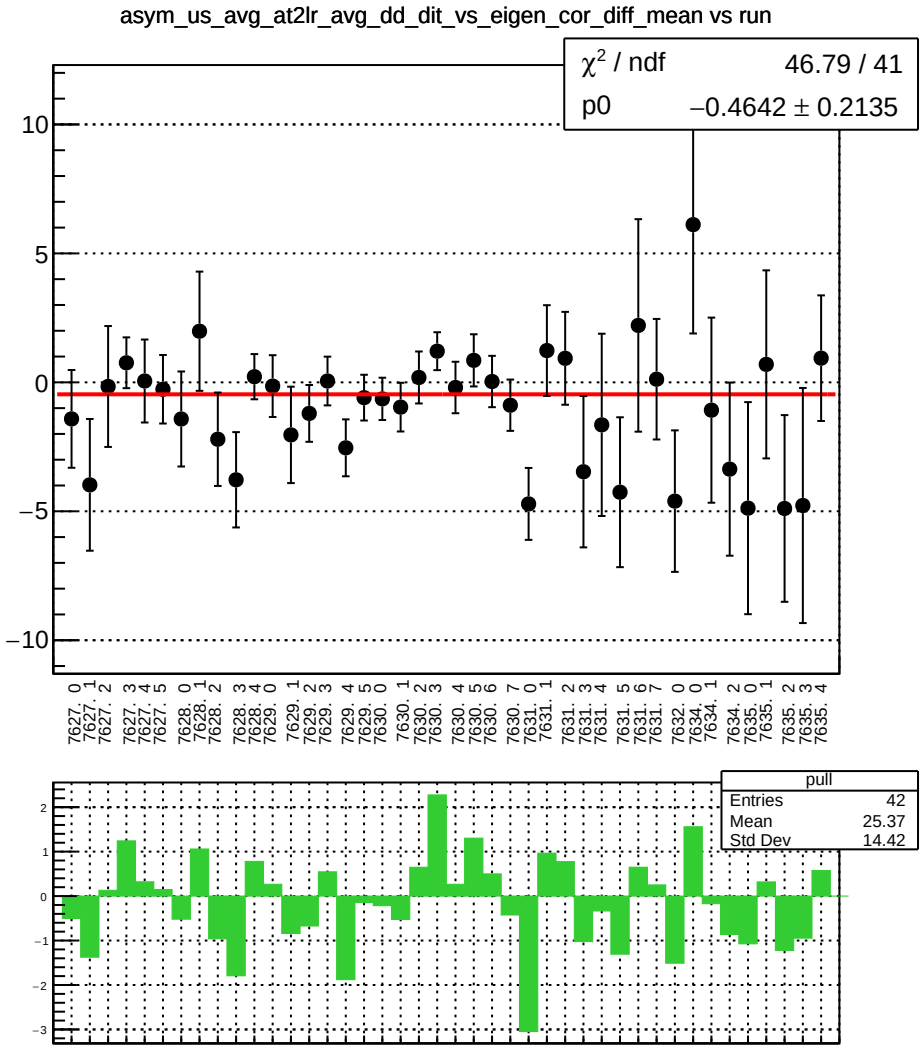

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.8 / 41
p0 4.112e−12 ± 4.805e−12
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4.002
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.165
Std Dev 1.141
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

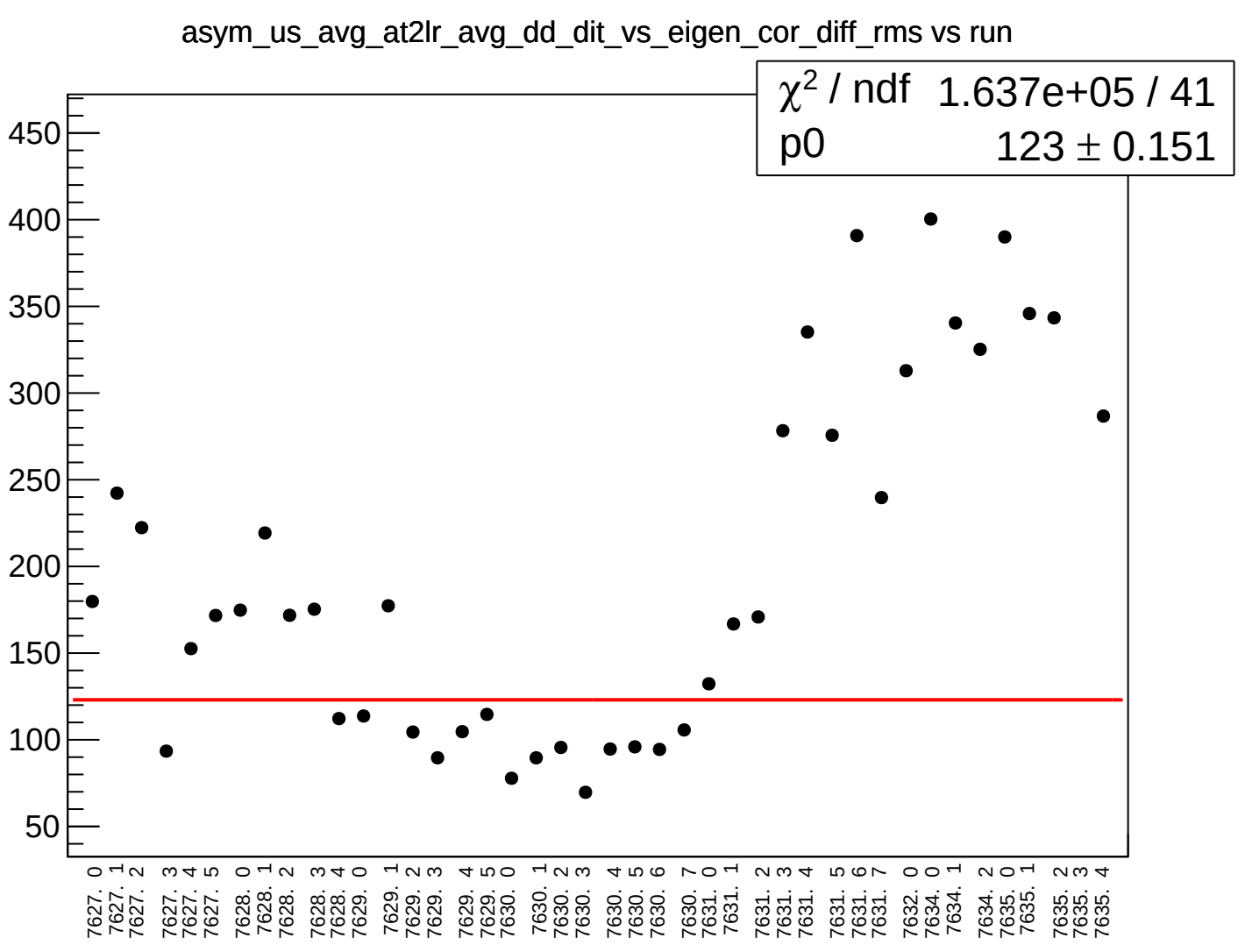

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.415e+05 / 41
p0 2.111e−09 ± 3.397e−12
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

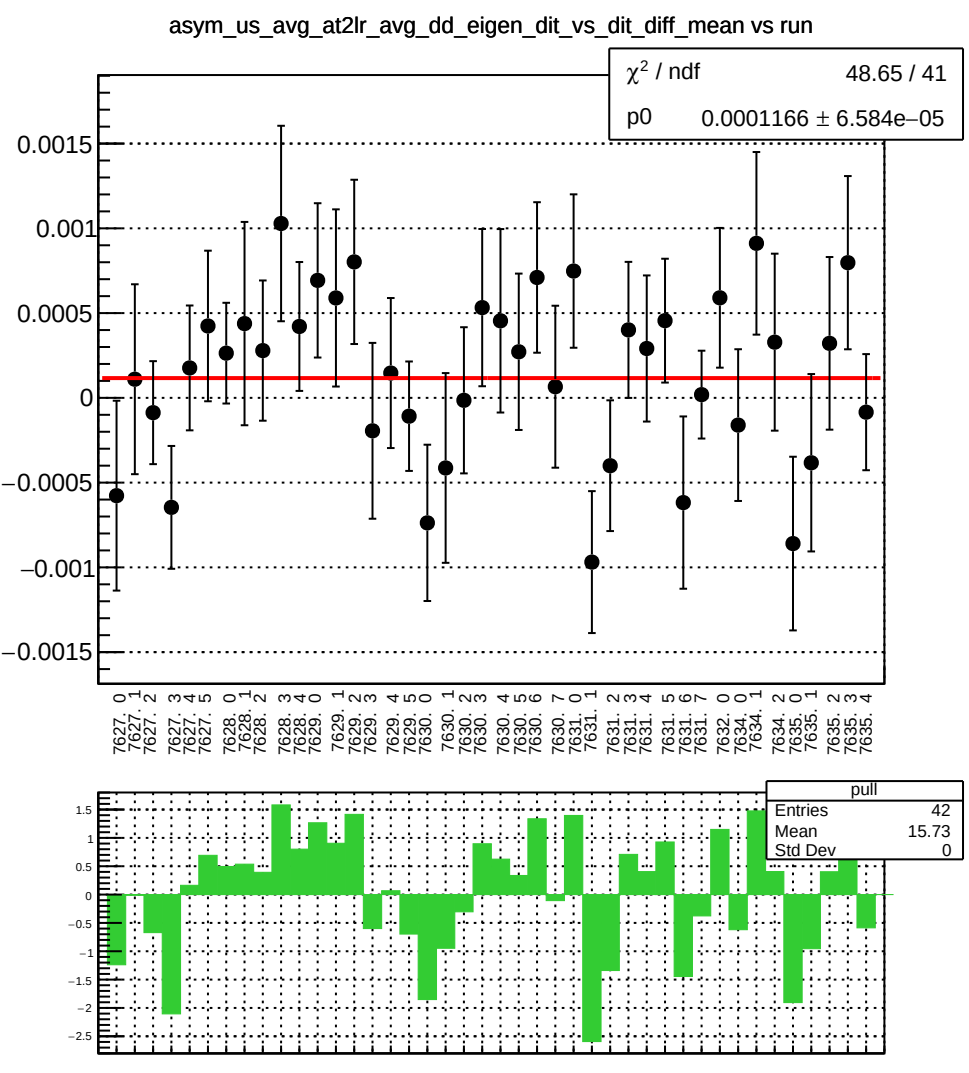

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.79 / 41
p0 −0.4642 ± 0.2135
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.37
Std Dev 14.42
2
1
0
−1
−2
−3

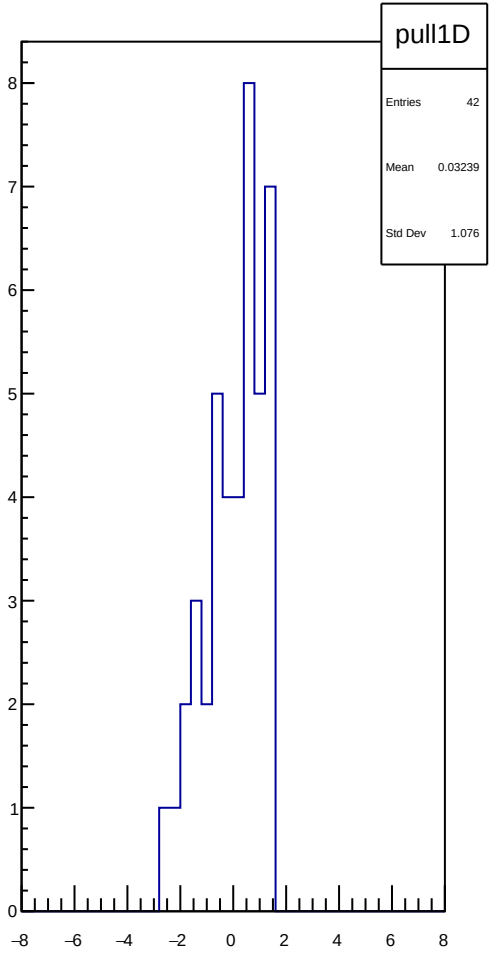

pull1D
Entries 42
Mean −0.1616
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

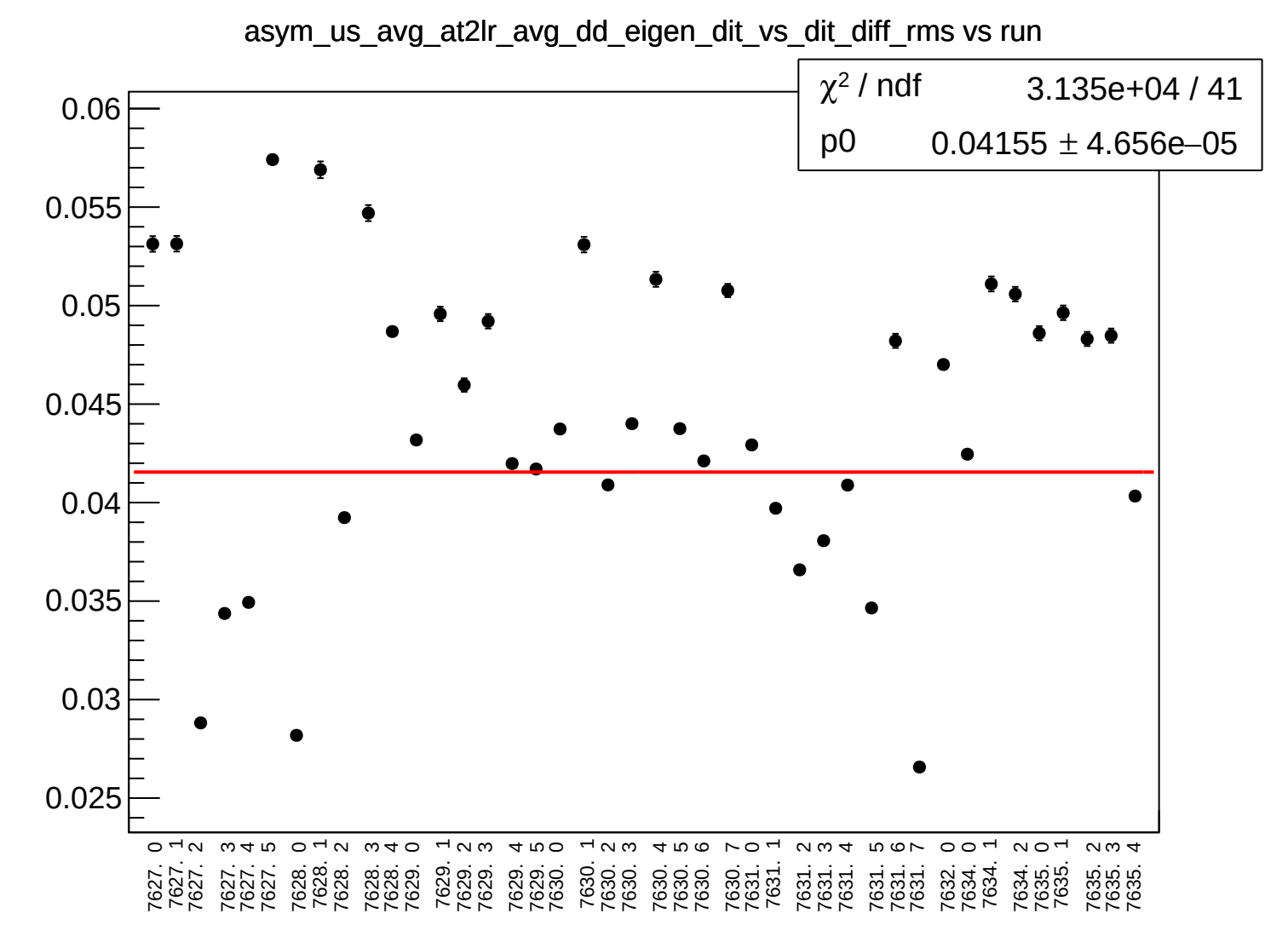

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.637e+05 / 41
p0 123 ± 0.151
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

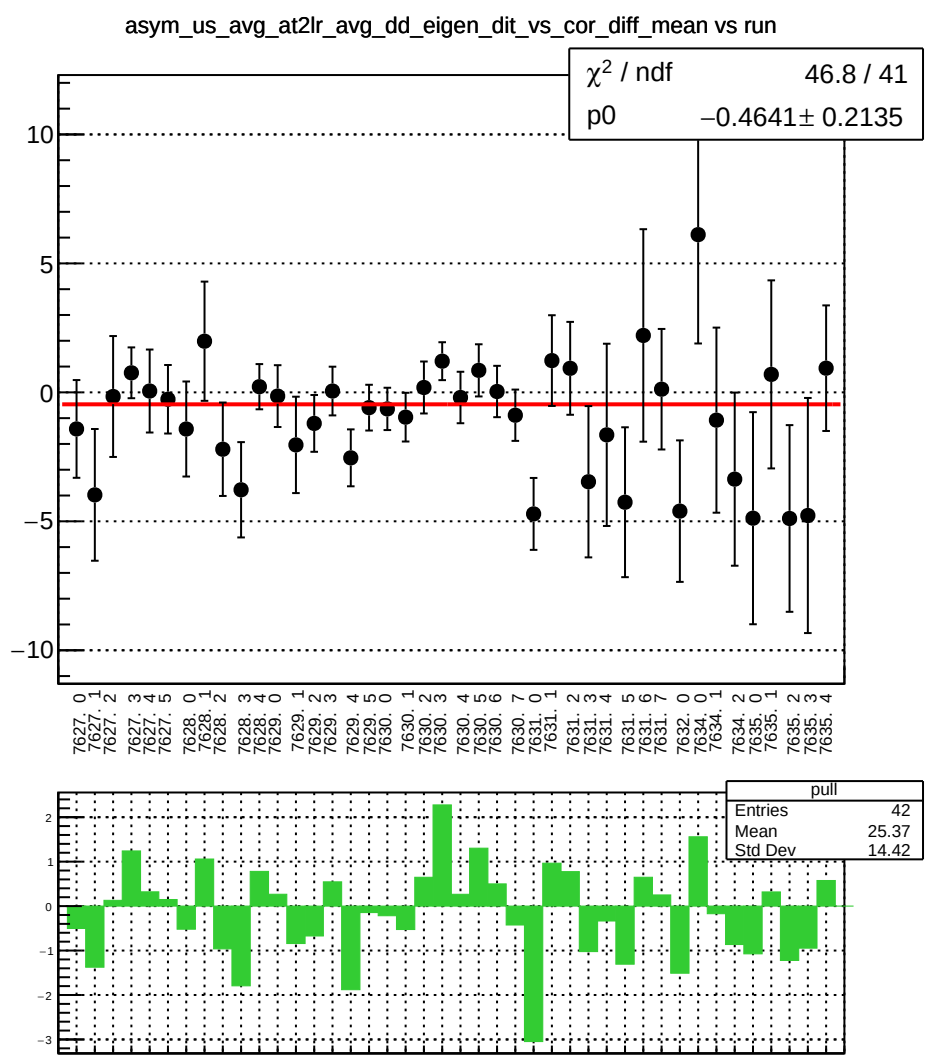

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.79 / 41
p0 −0.4642 ± 0.2135
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.37
Std Dev 14.42
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.1616
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

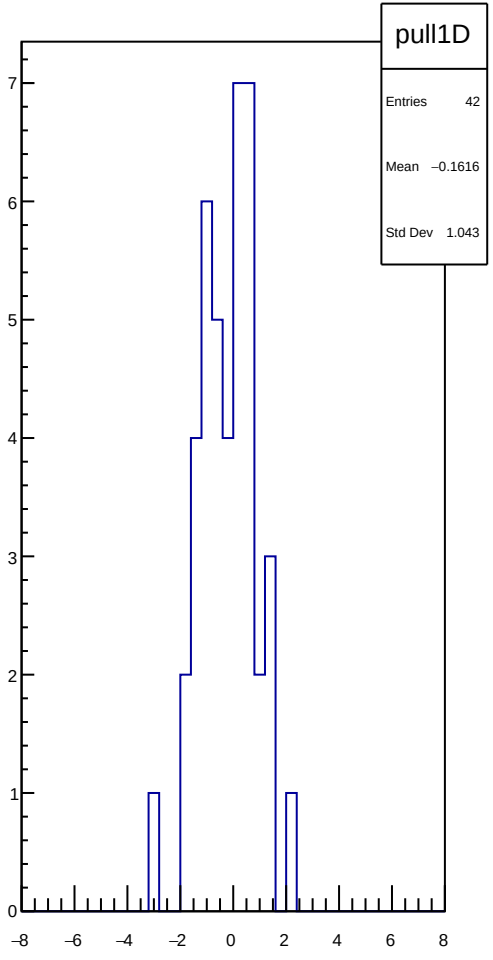

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.637e+05 / 41
p0 123 ± 0.151
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

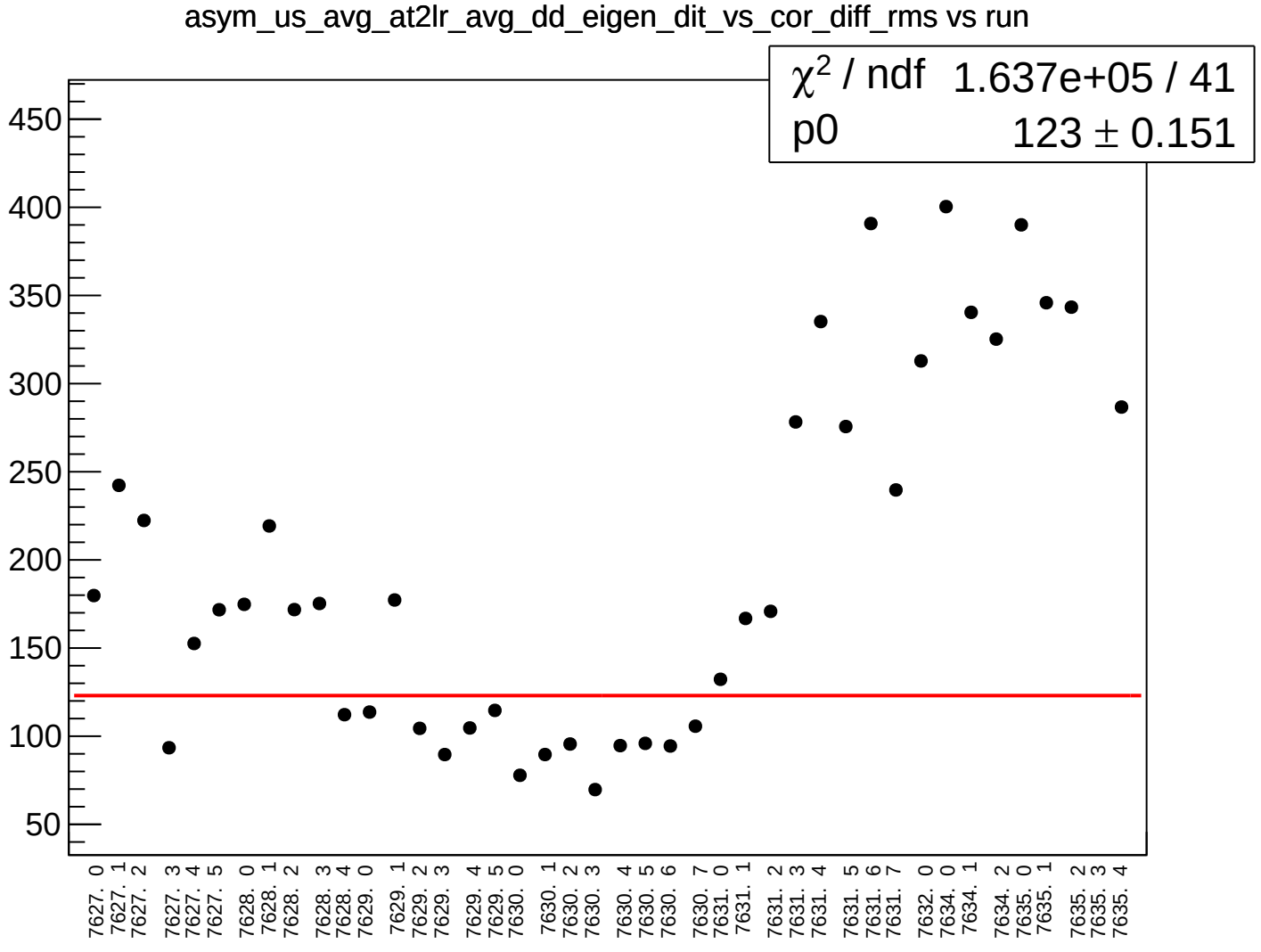

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 48.65 / 41
p0 0.0001166 ± 6.584e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.73
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

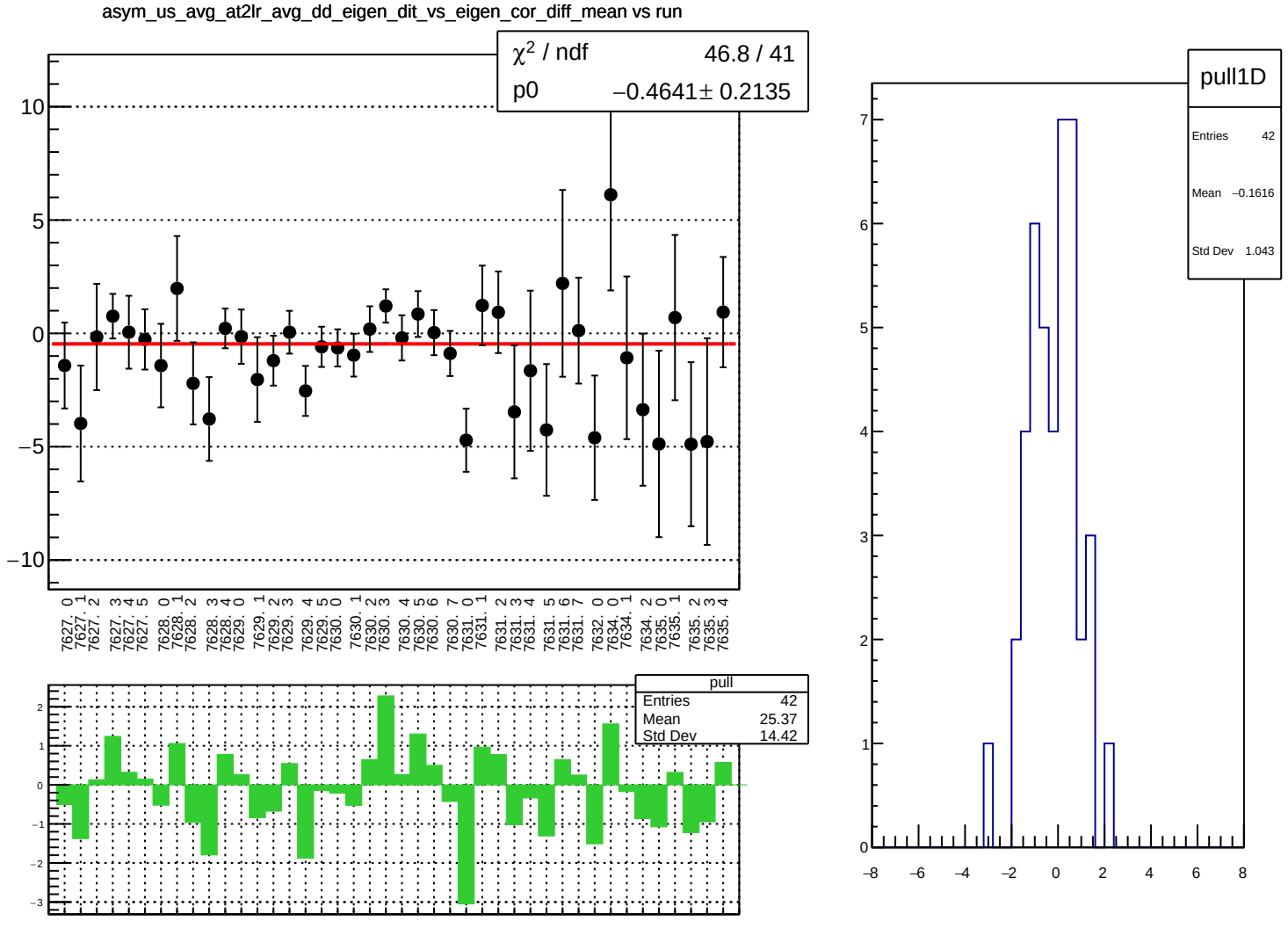

pull1D
Entries 42
Mean 0.03239
Std Dev 1.076
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

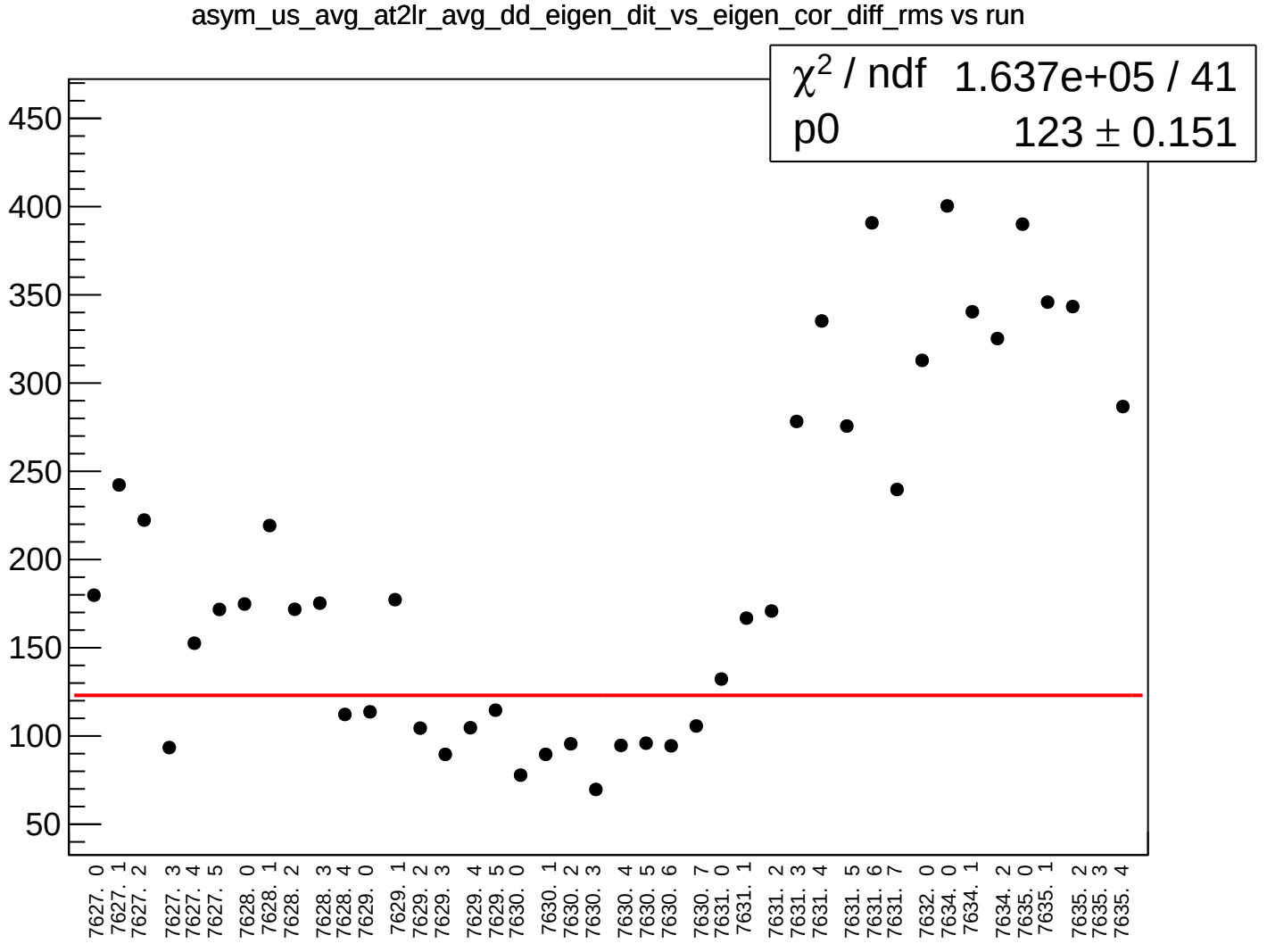

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.135e+04 / 41
p0 0.04155 ± 4.656e–05
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

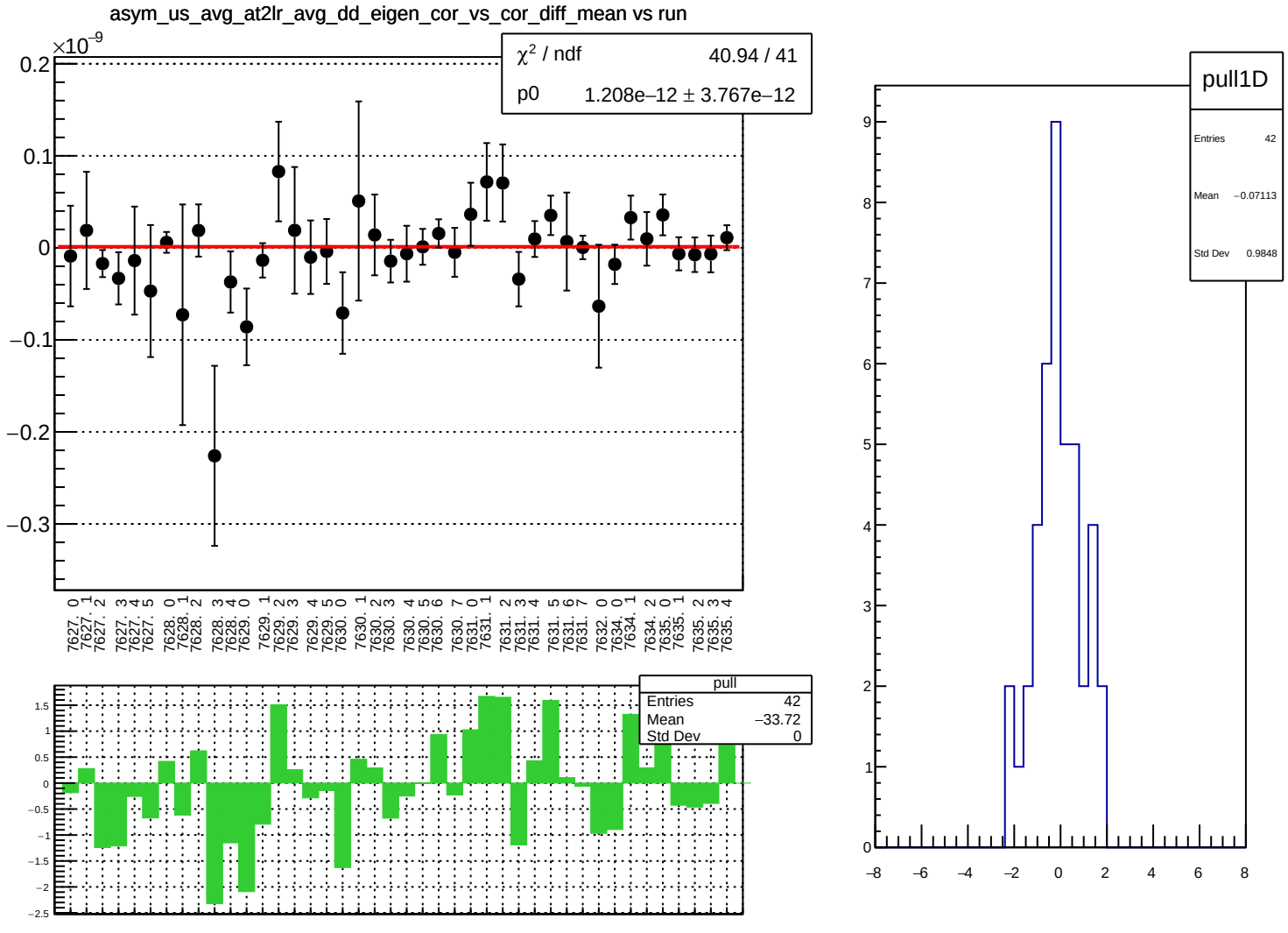

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.8 / 41
p0 −0.4641± 0.2135
pull
Entries 42
Mean 25.37
Std Dev 14.42

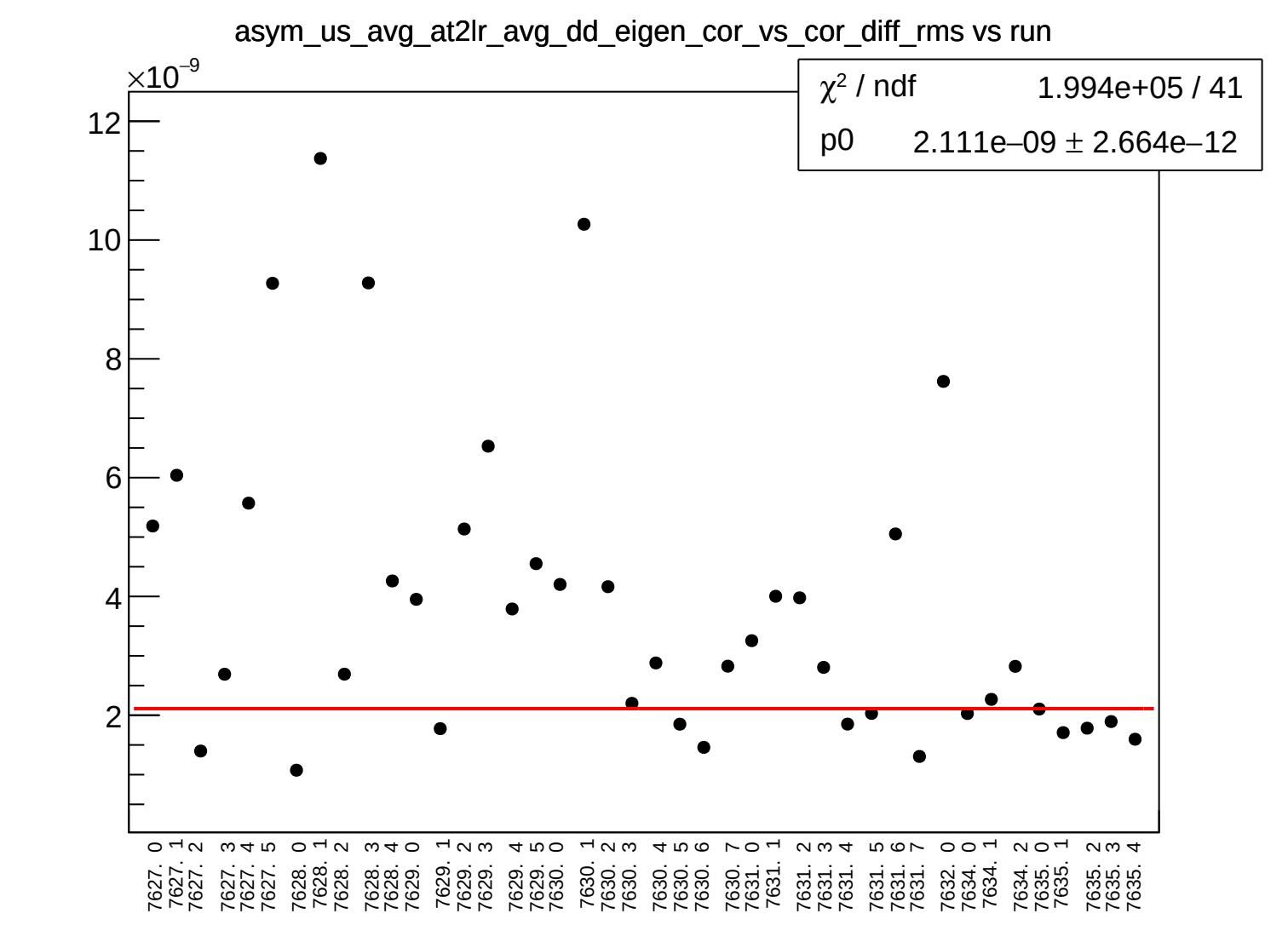

pull1D
Entries 42
Mean −0.1616
Std Dev 1.043

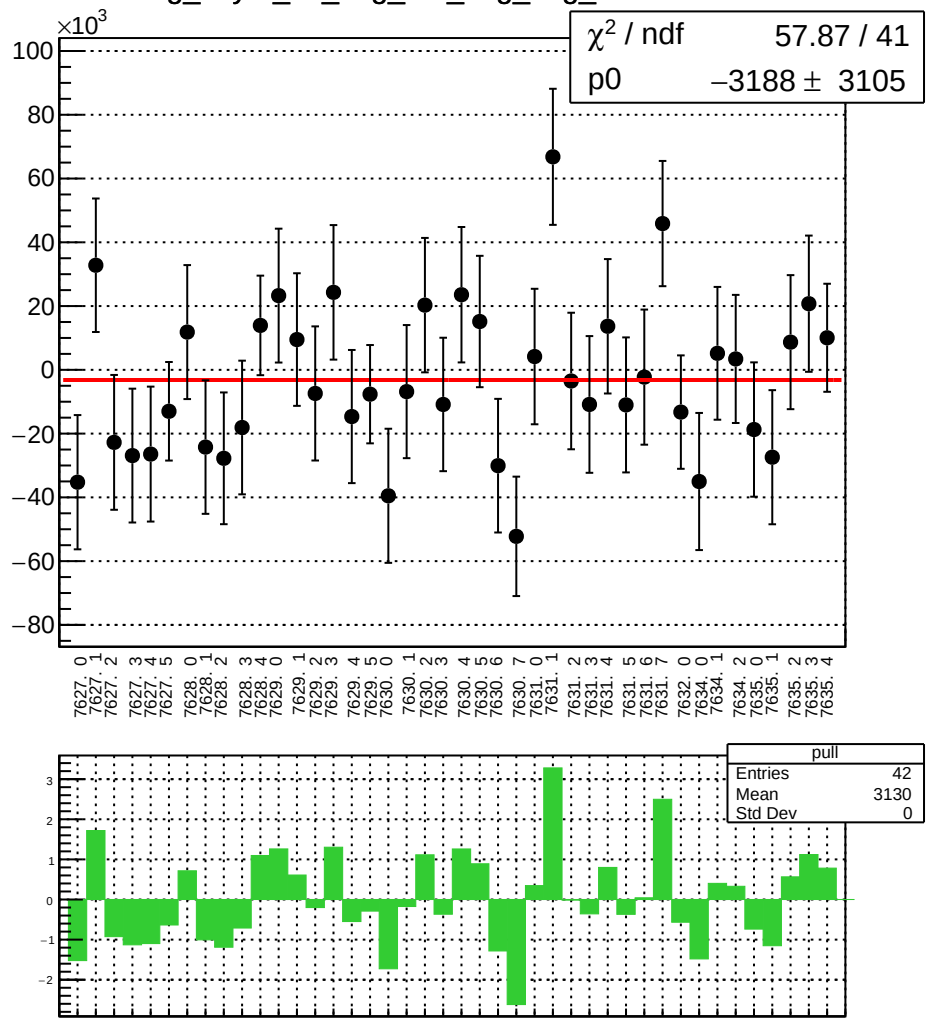

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.637e+05 / 41
p0 123 ± 0.151
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

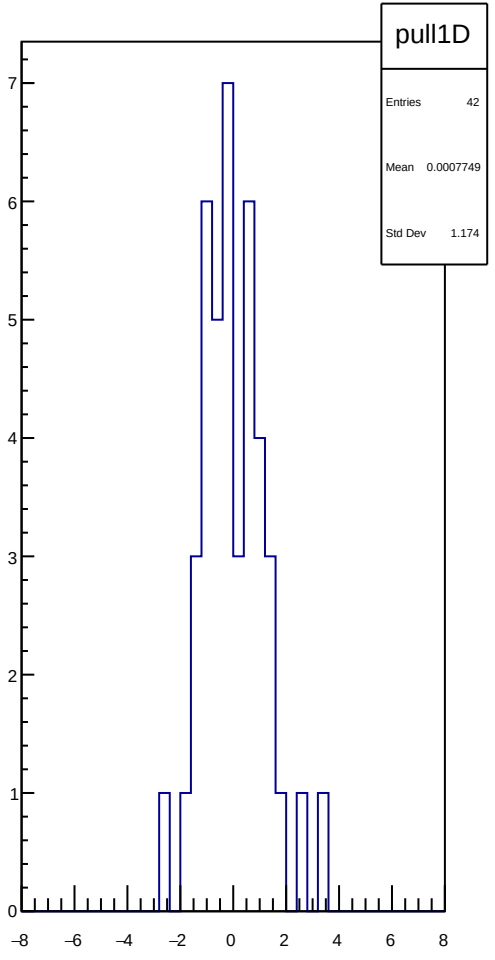

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.8 / 41
p0 −0.4641± 0.2135
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.37
Std Dev 14.42
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.1616
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

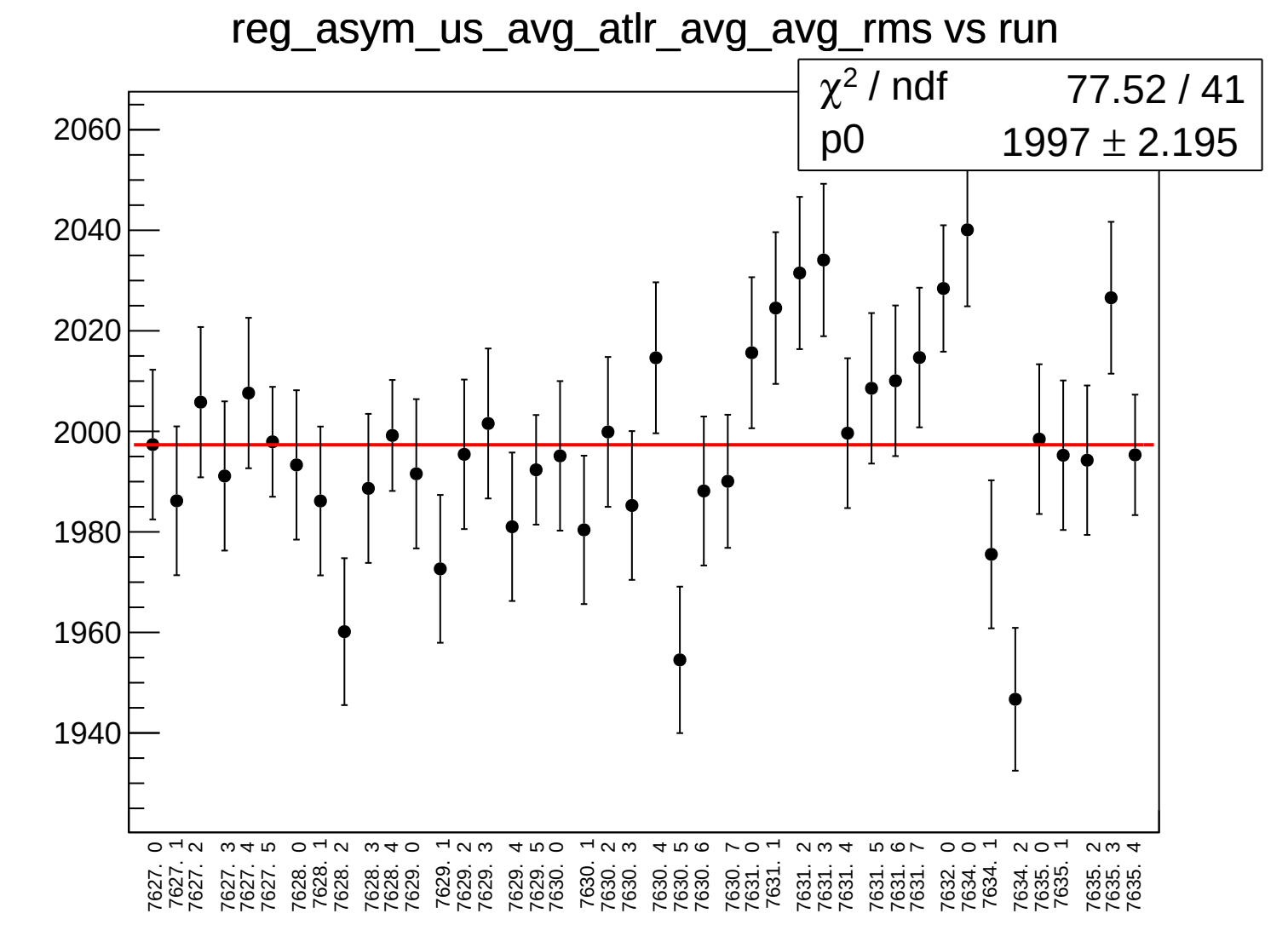

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.637e+05 / 41
p0 123 ± 0.151
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

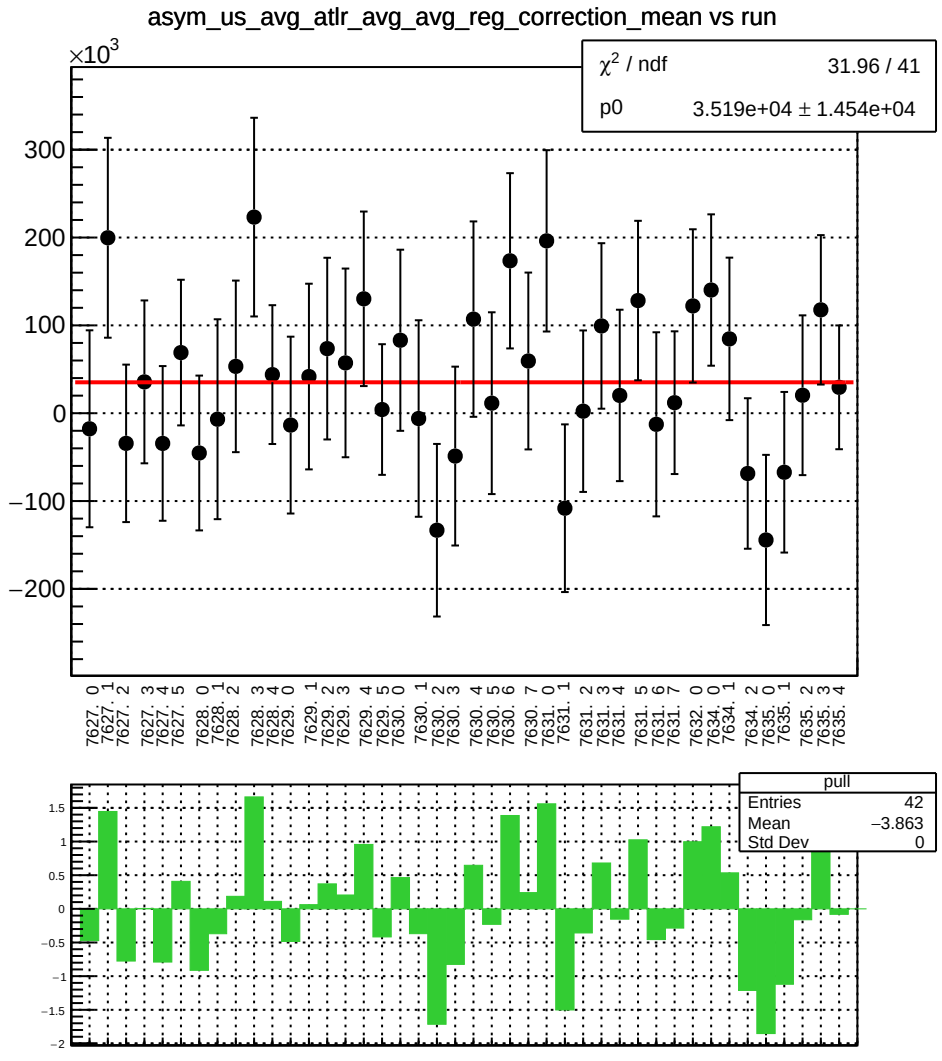

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 40.94 / 41
p0 1.208e−12 ± 3.767e−12
pull
Entries 42
Mean −33.72
Std Dev 0
pull1D
Entries 42
Mean −0.07113
Std Dev 0.9848

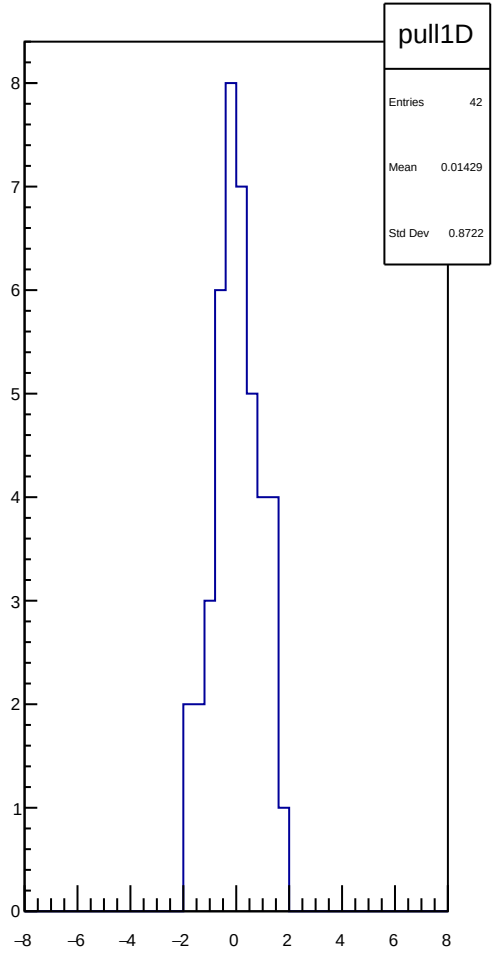

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.994e+05 / 41
p0 2.111e−09 ± 2.664e−12
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

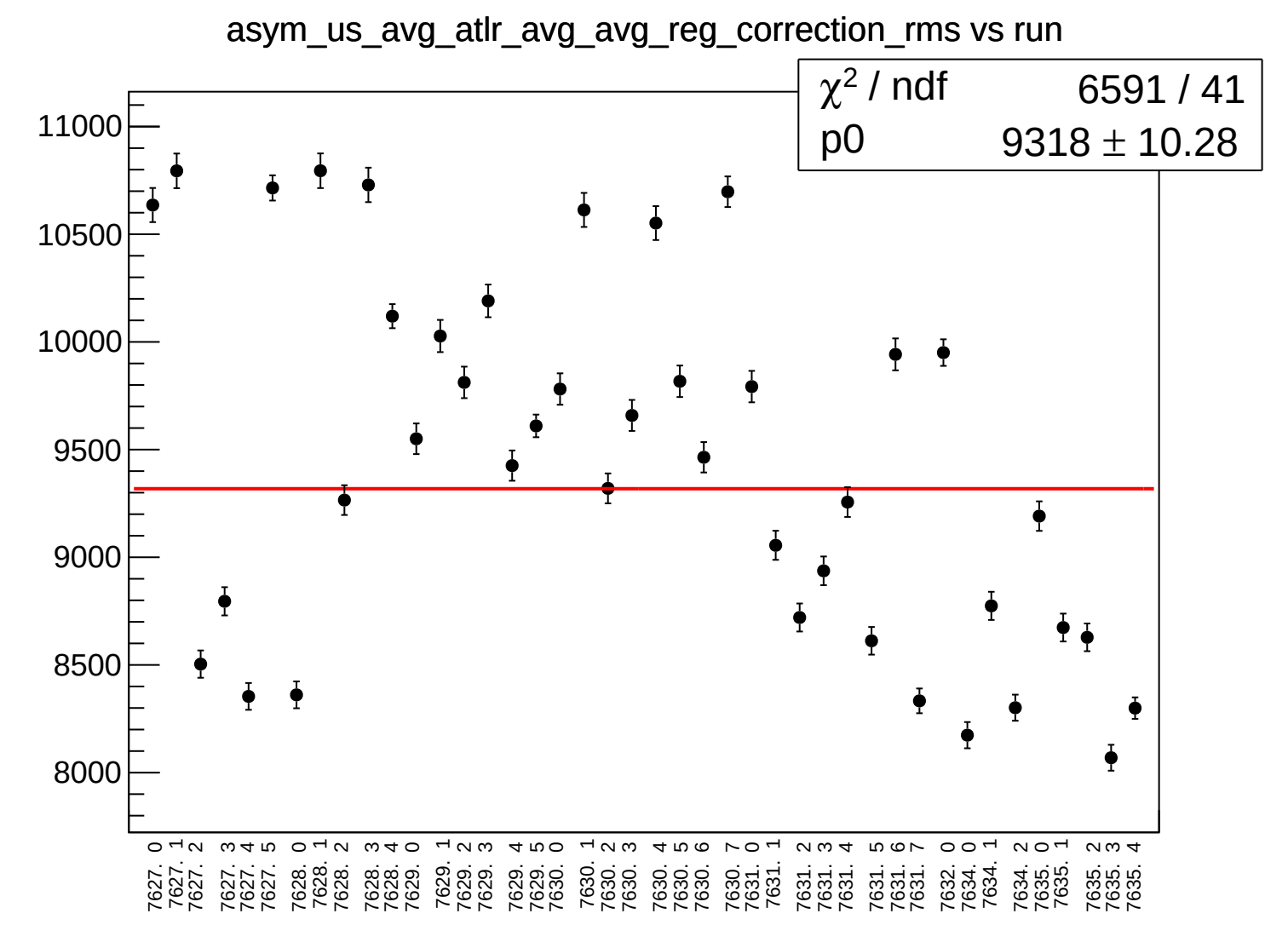

reg_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 57.87 / 41
p0 −3188 ± 3105
pull
Entries 42
Mean 3130
Std Dev 0

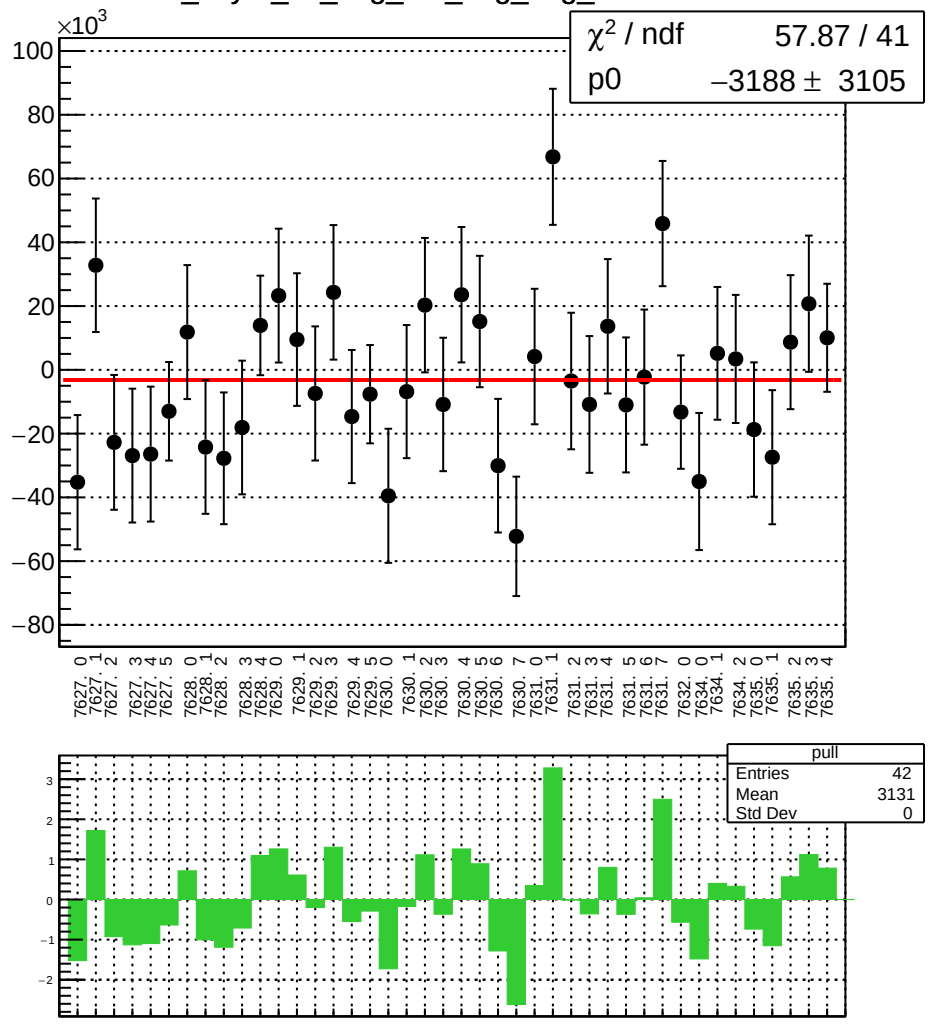

pull1D
Entries 42
Mean 0.0007749
Std Dev 1.174

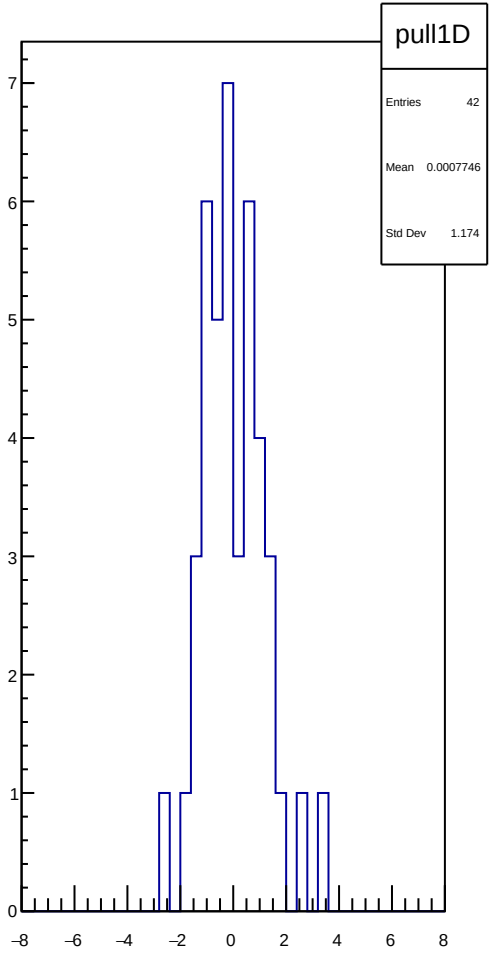

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 77.52 / 41
p0 1997 ± 2.195
2060
2040
2020
2000
1980
1960
1940
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

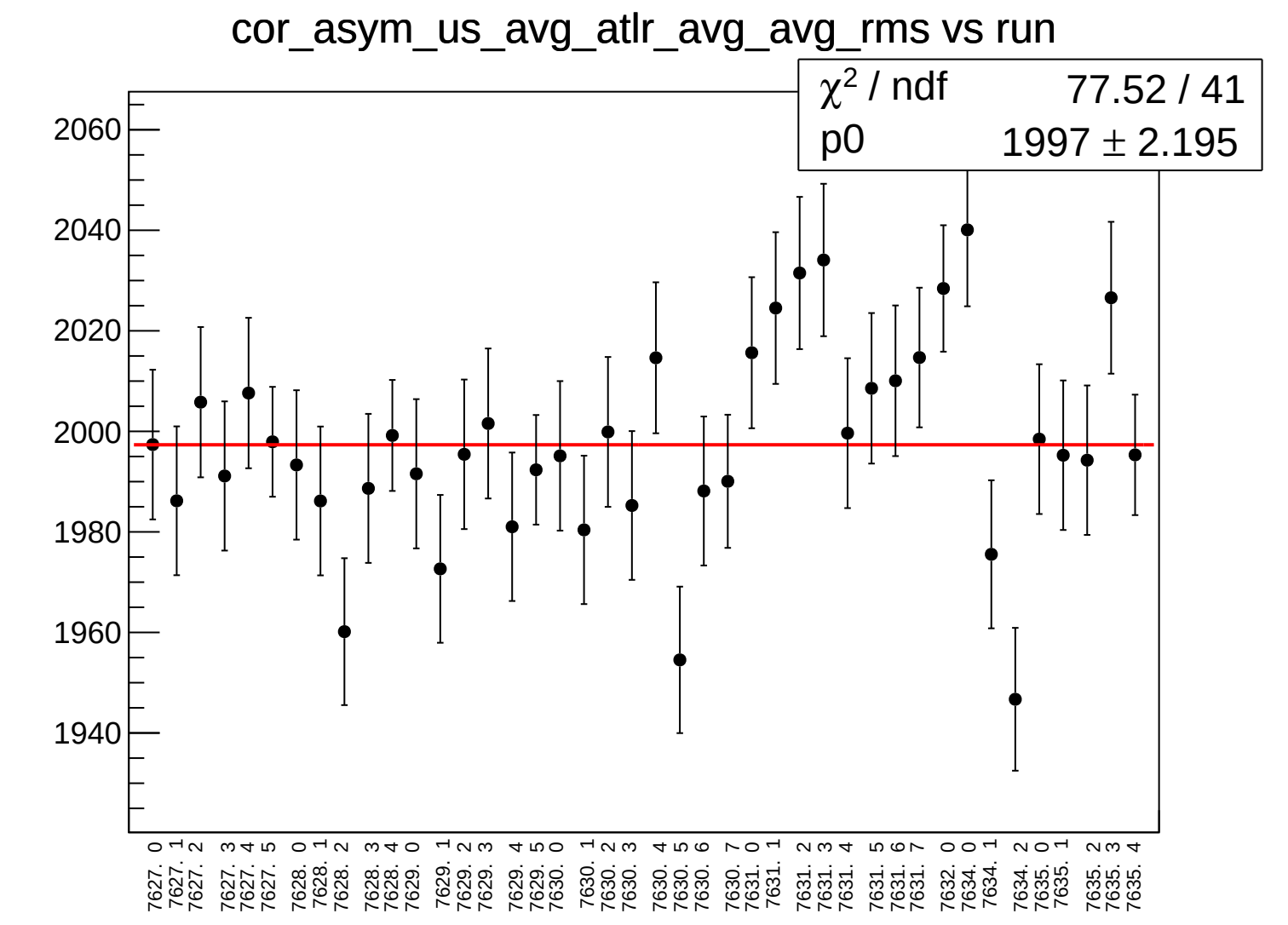

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 31.96 / 41
p0 3.519e+04 ± 1.454e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −3.863
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

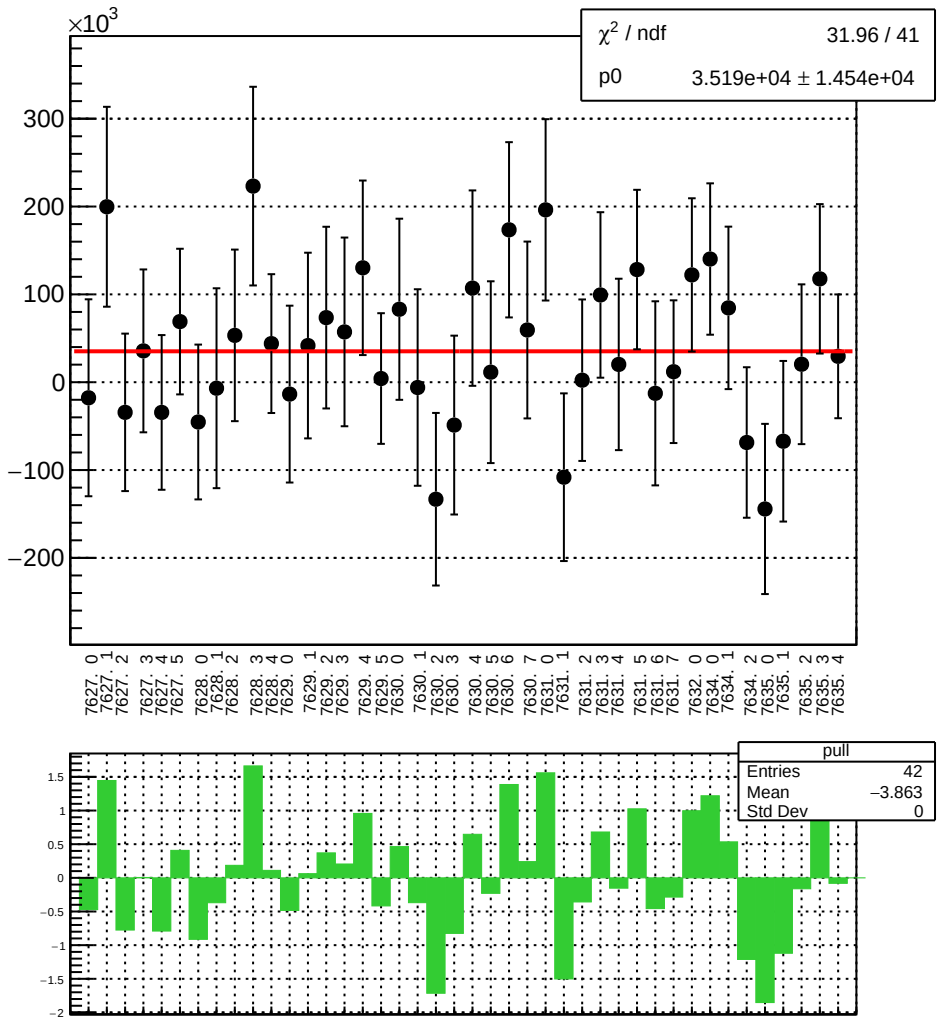

pull1D
Entries 42
Mean 0.01429
Std Dev 0.8722
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

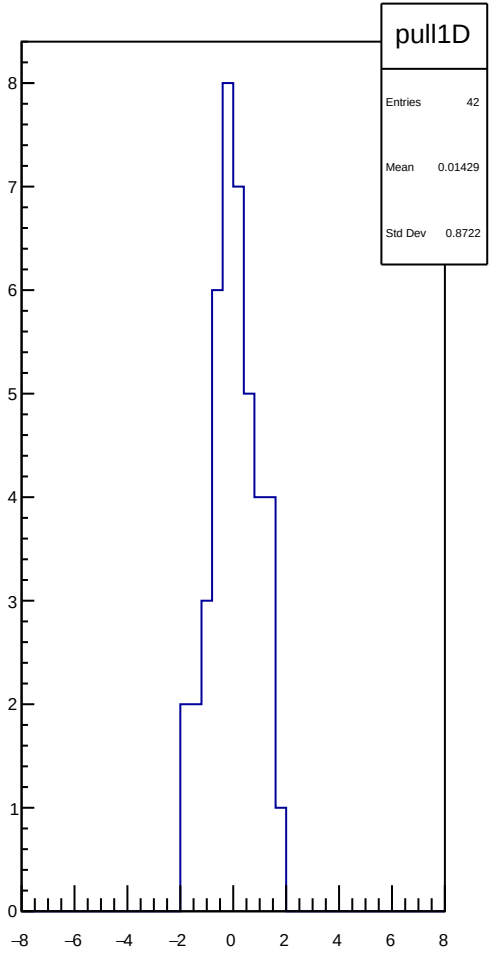

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 6591 / 41
p0 9318 ± 10.28
11000
10500
10000
9500
9000
8500
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

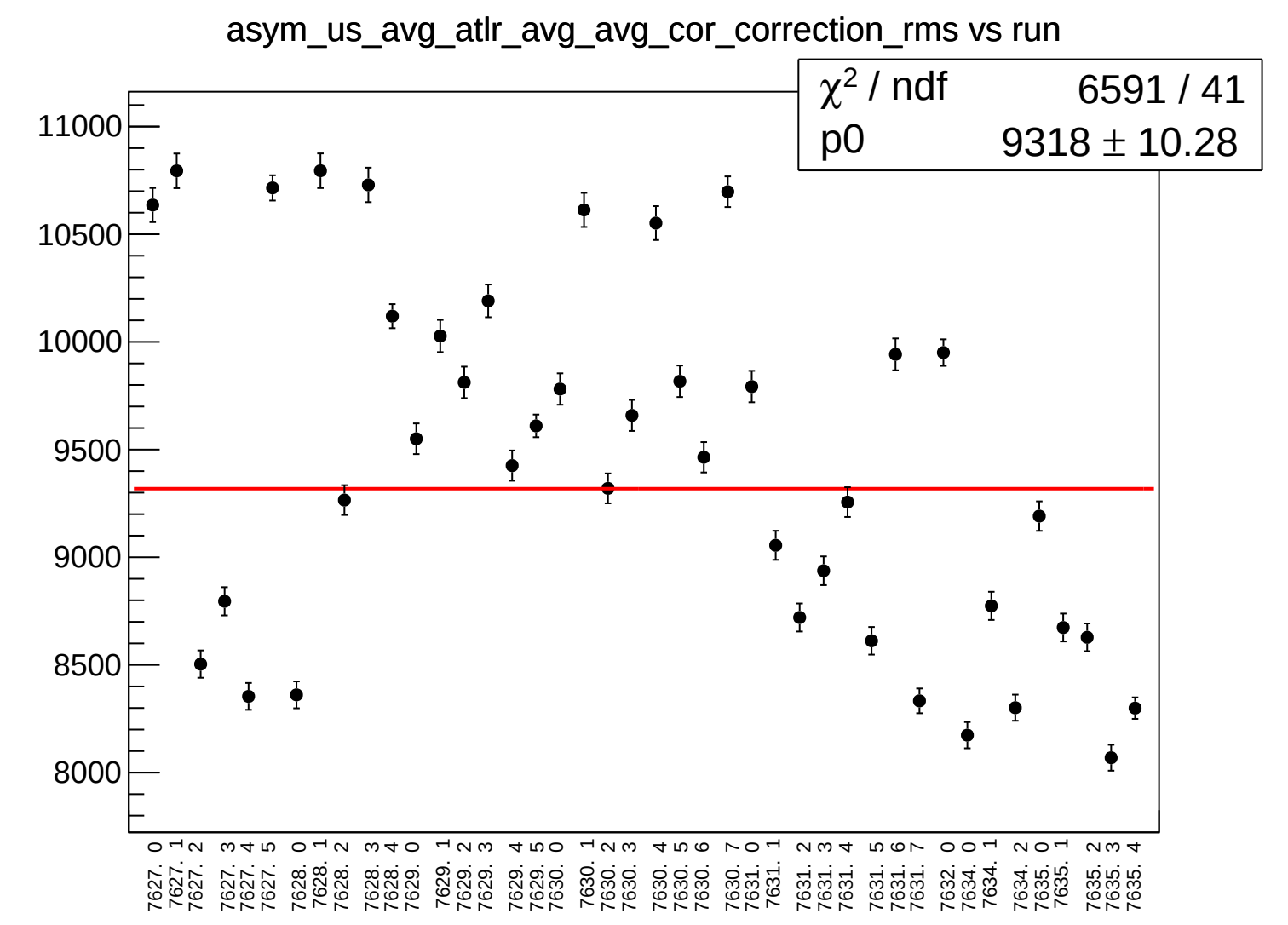

cor_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 57.87 / 41
p0 −3188 ± 3105
100
80
60
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3131
Std Dev 0
3
2
1
0
−1
−2

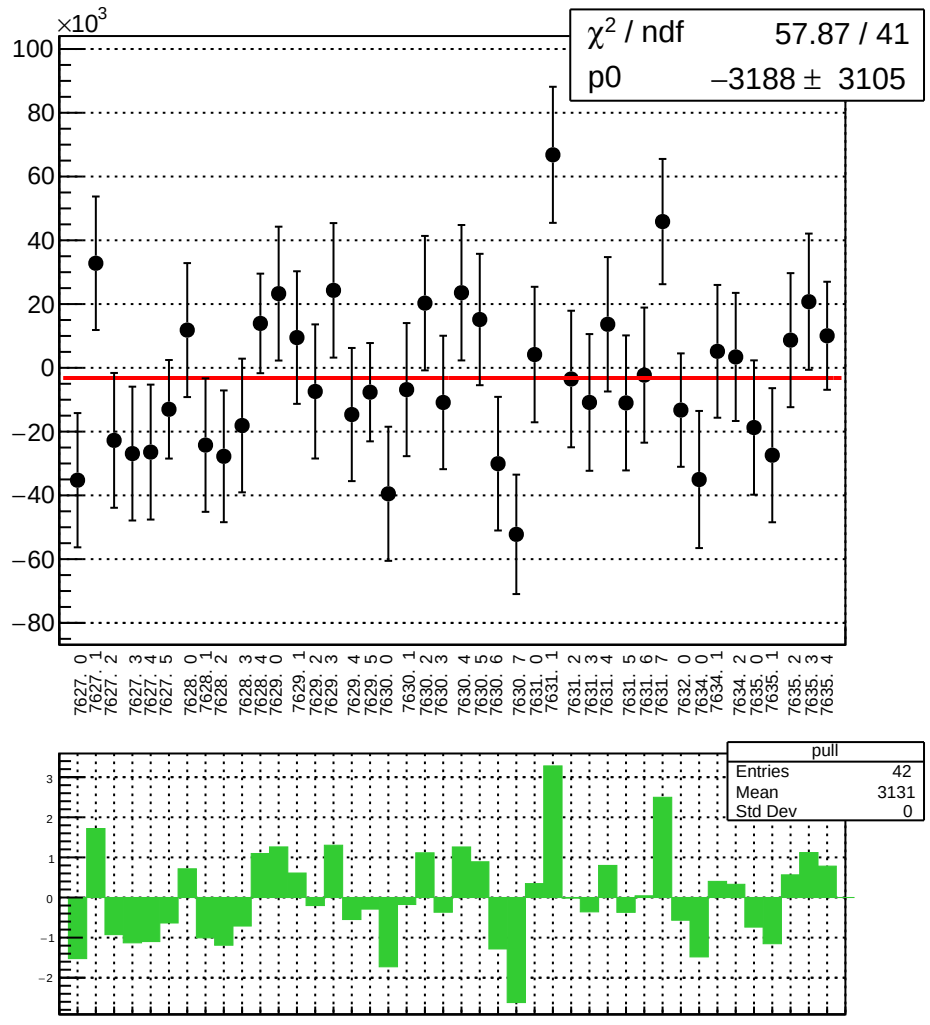

pull1D
Entries 42
Mean 0.0007746
Std Dev 1.174
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

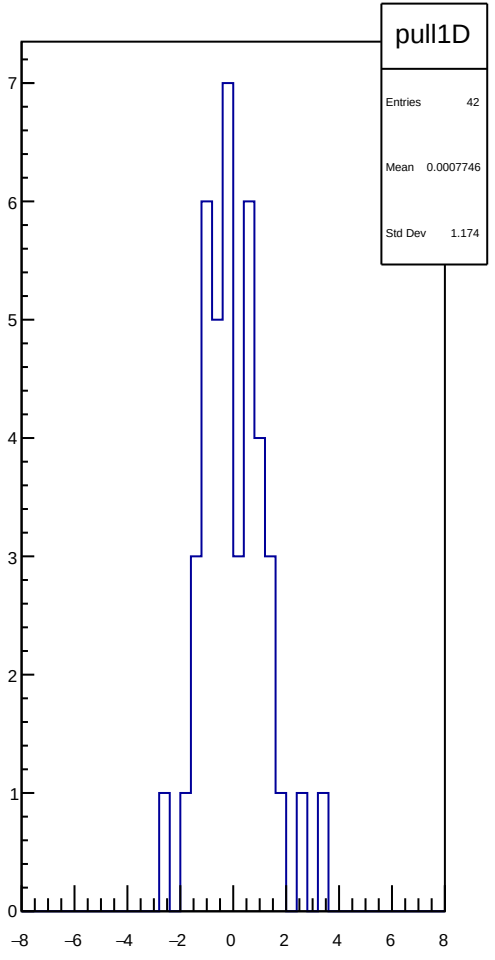

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 77.52 / 41
p0 1997 ± 2.195
2060
2040
2020
2000
1980
1960
1940
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

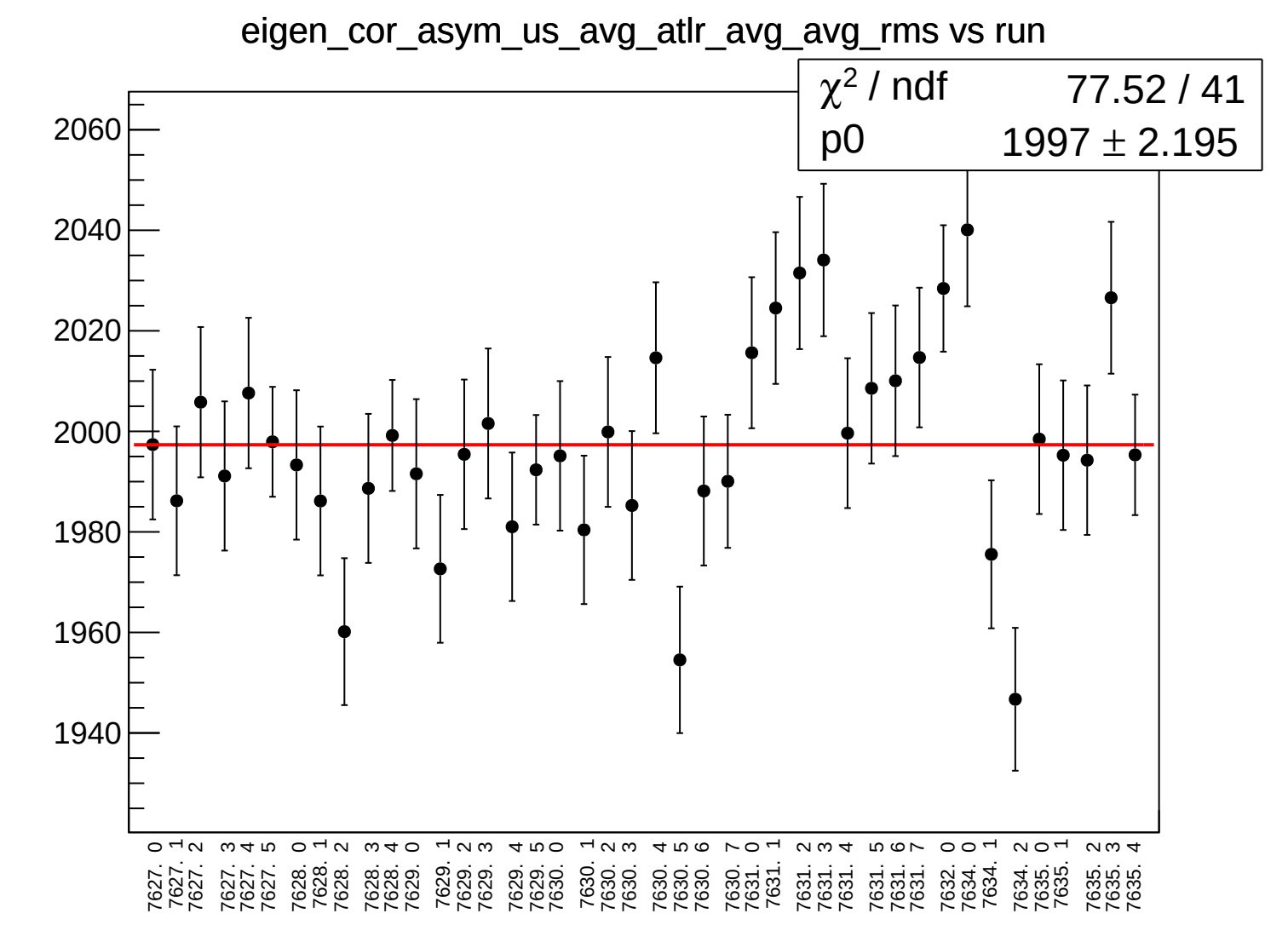

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 31.96 / 41
p0 3.519e+04 ± 1.454e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −3.863
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

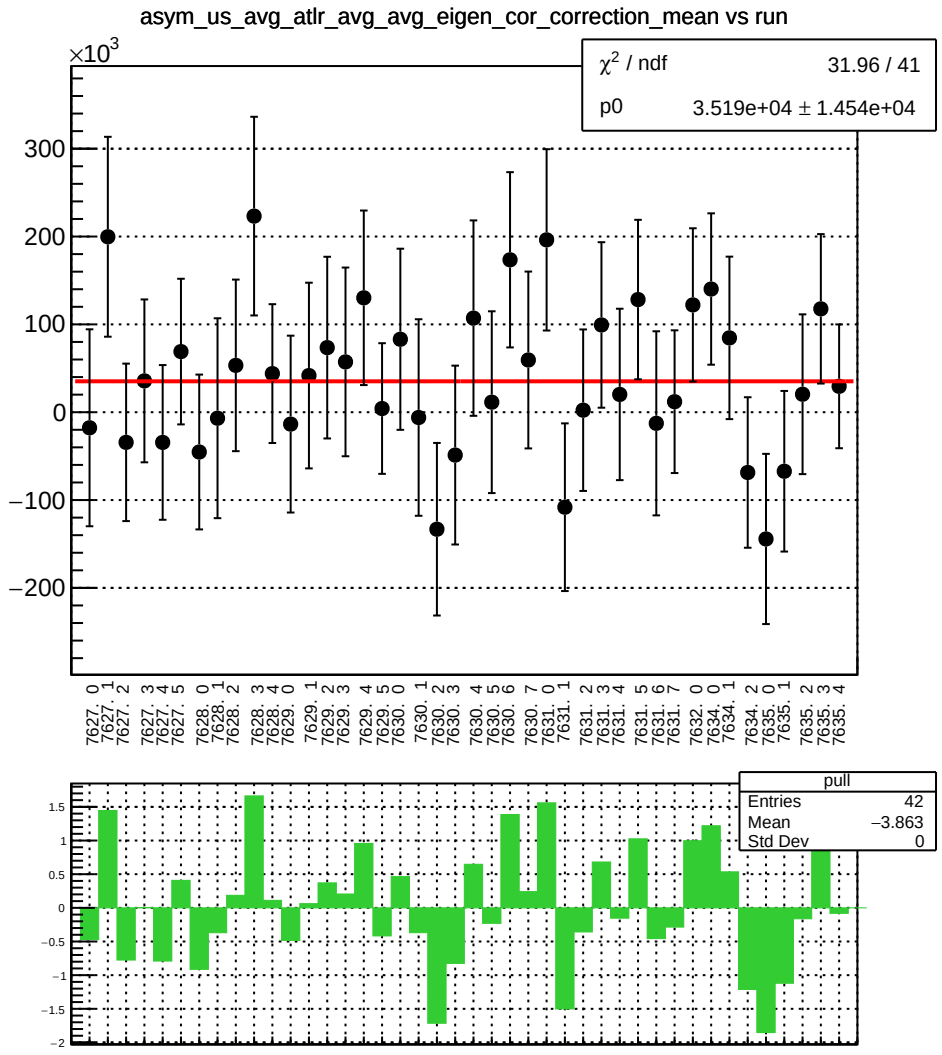

pull1D
Entries 42
Mean 0.01429
Std Dev 0.8722
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

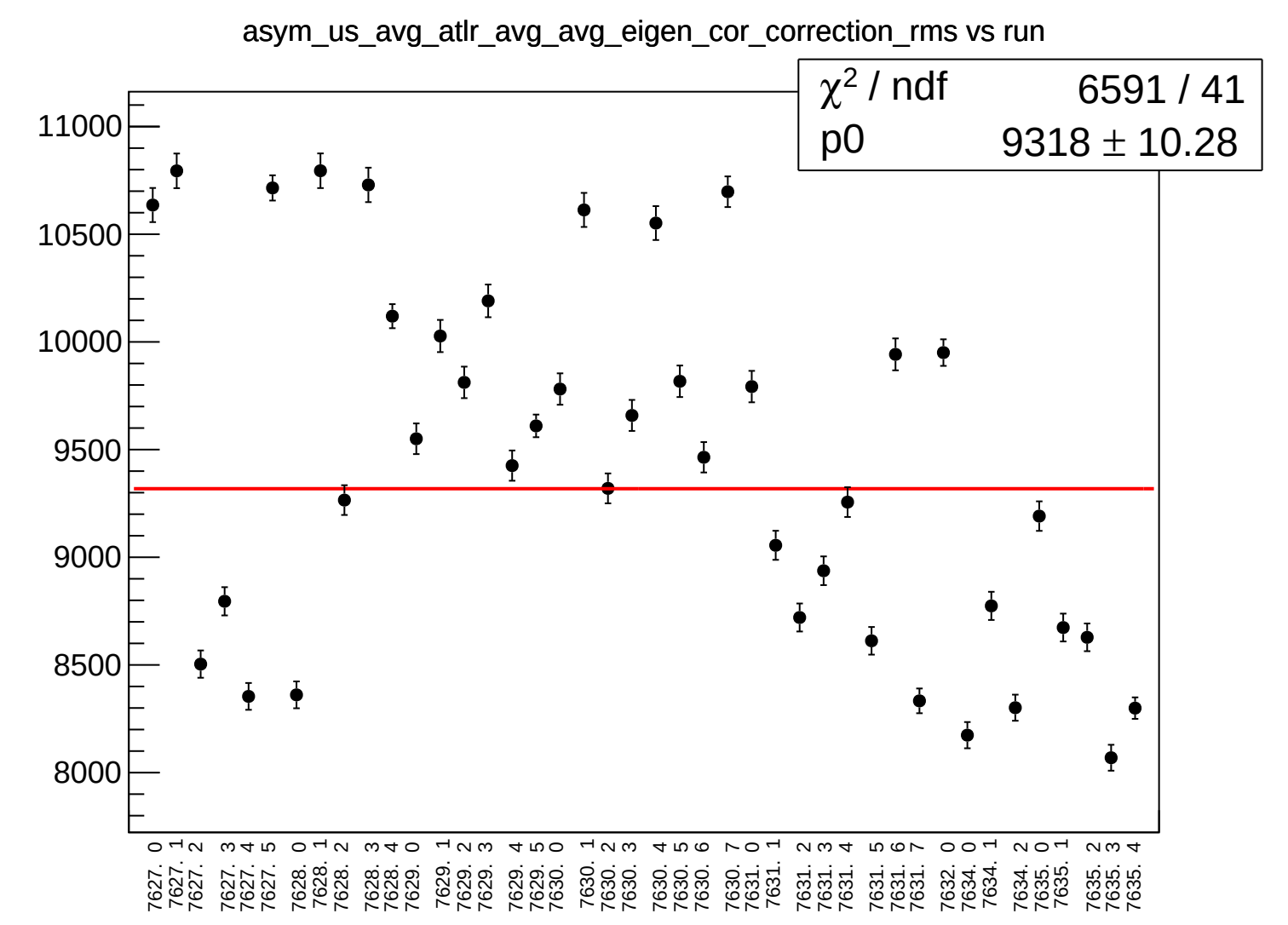

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ^2 / ndf 6591 / 41
p0 9318 ± 10.28
11000
10500
10000
9500
9000
8500
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

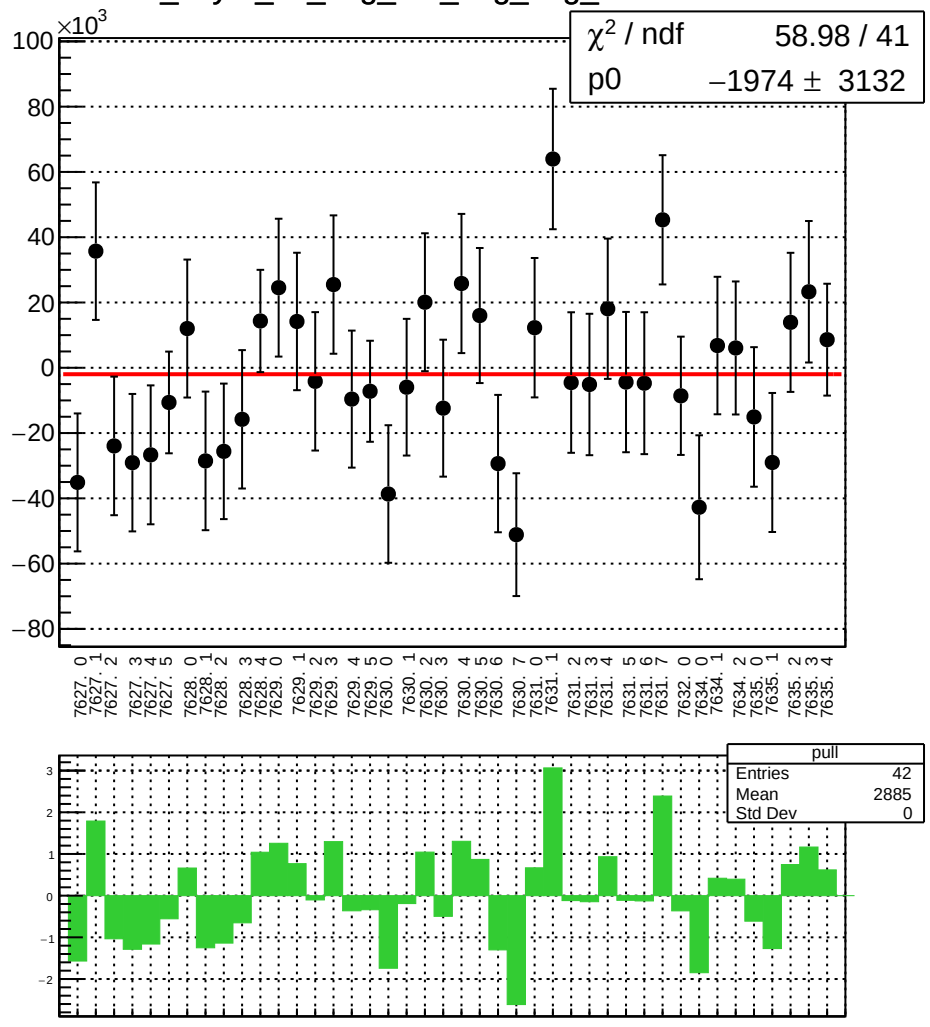

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 57.87 / 41
p0 −3188 ± 3105
pull
Entries 42
Mean 3131
Std Dev 0

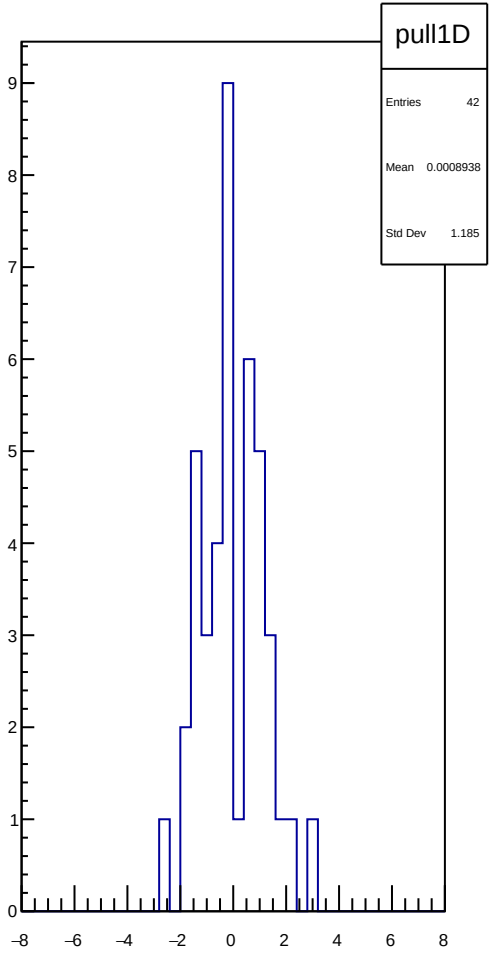

pull1D
Entries 42
Mean 0.0007746
Std Dev 1.174

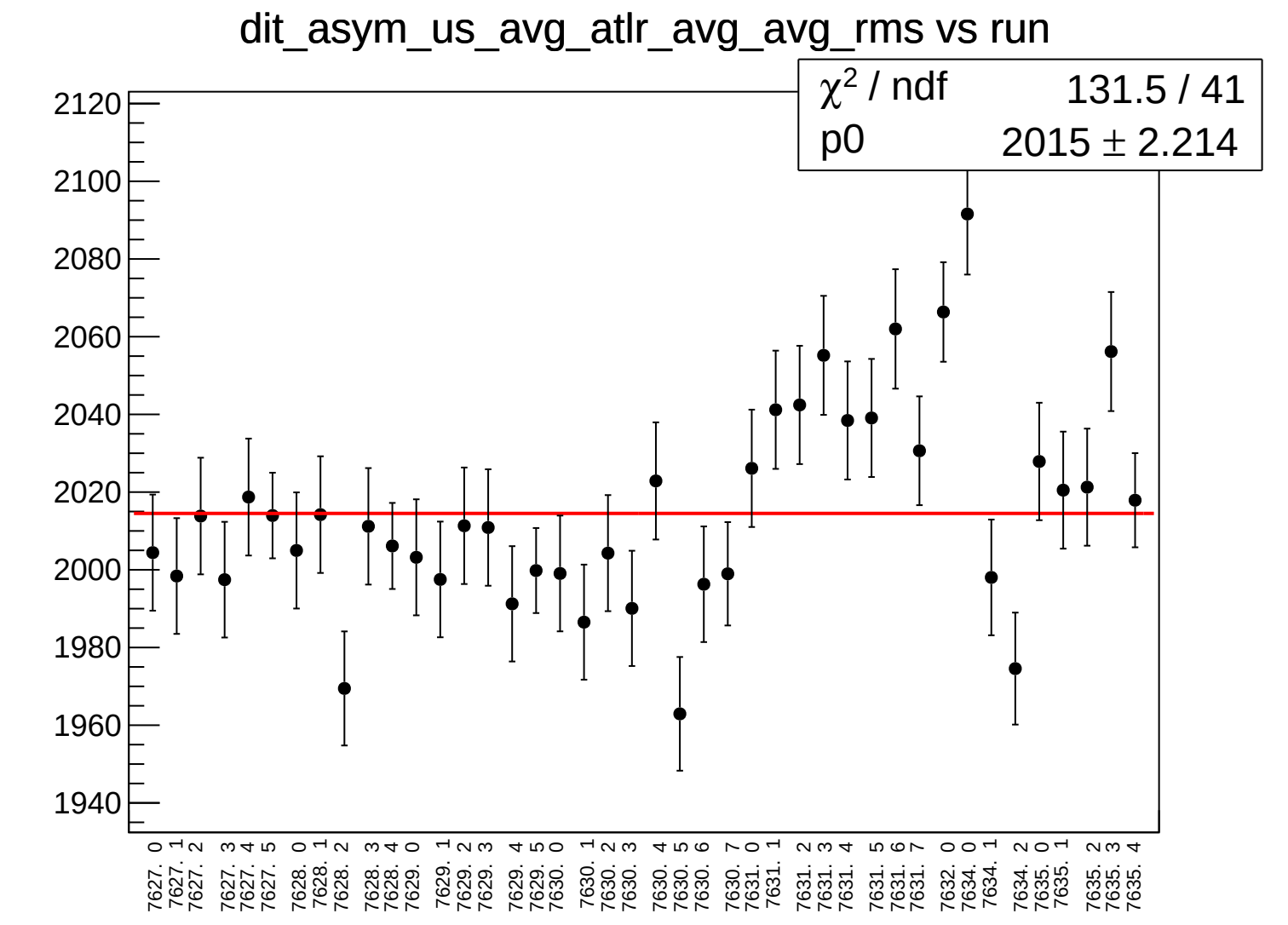

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 77.52 / 41
p0 1997 ± 2.195
2060
2040
2020
2000
1980
1960
1940
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

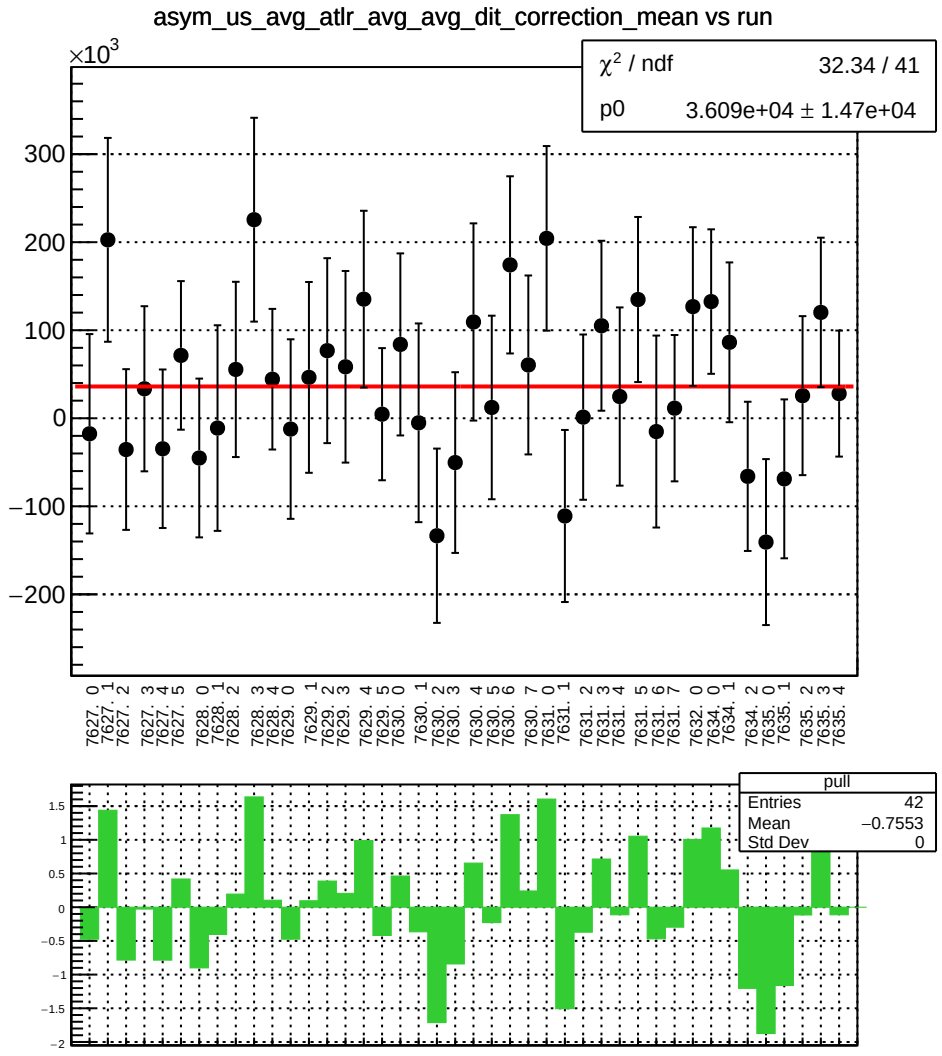

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.96 / 41
p0 3.519e+04 ± 1.454e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −3.863
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01429
Std Dev 0.8722
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

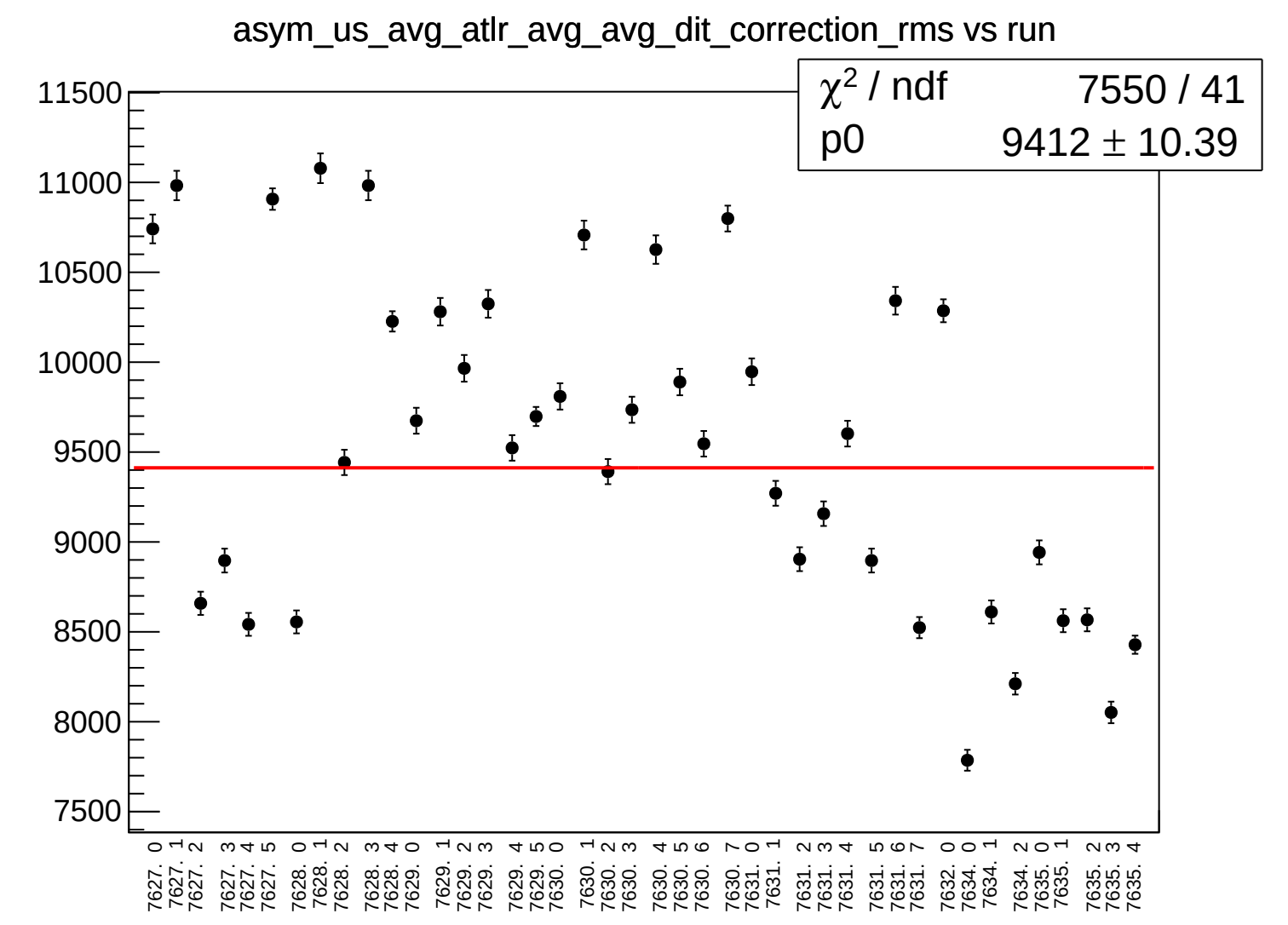

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 6591 / 41
p0 9318 ± 10.28
11000
10500
10000
9500
9000
8500
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

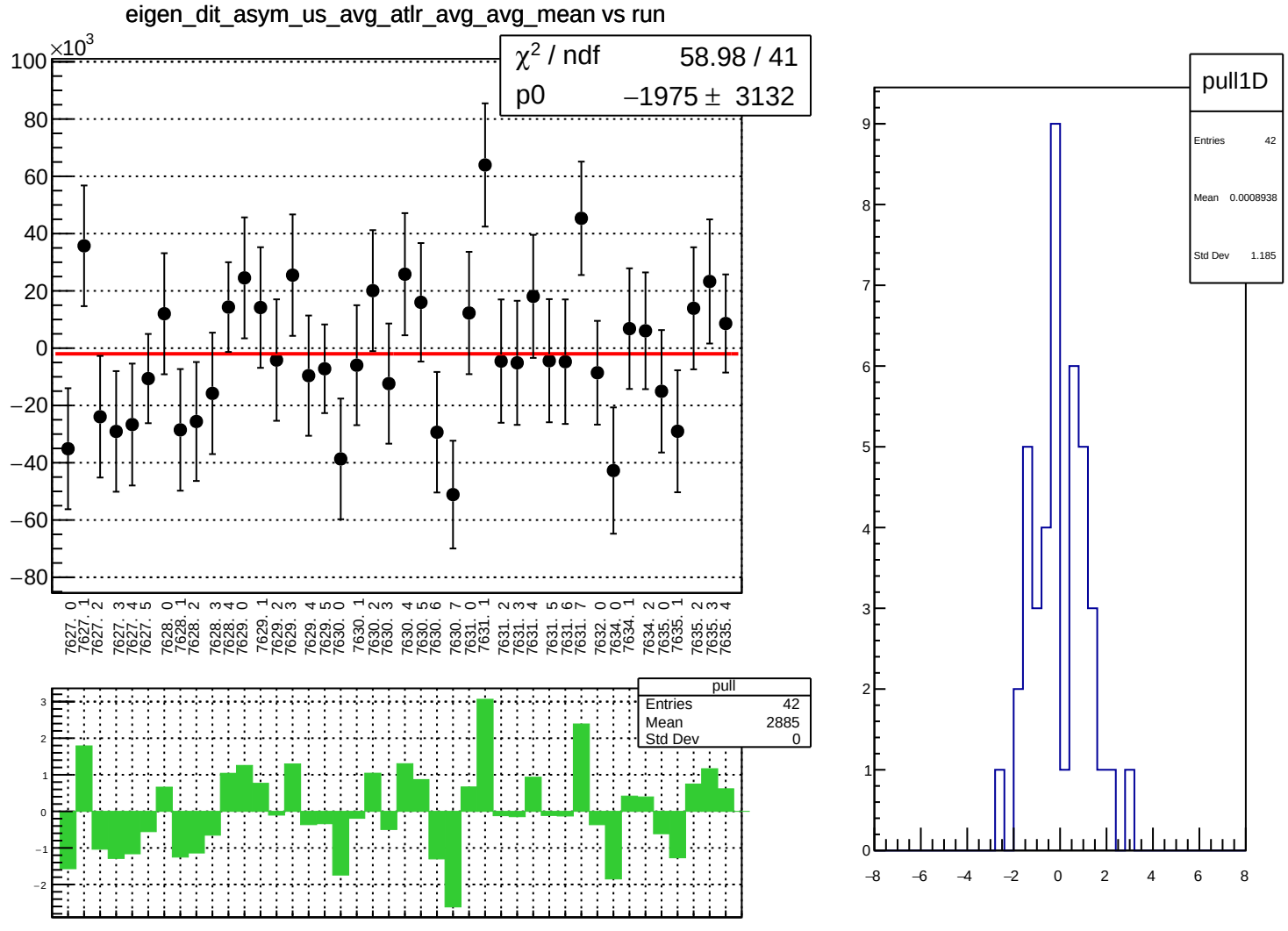

dit_asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 58.98 / 41
p0 −1974 ± 3132
pull
Entries 42
Mean 2885
Std Dev 0

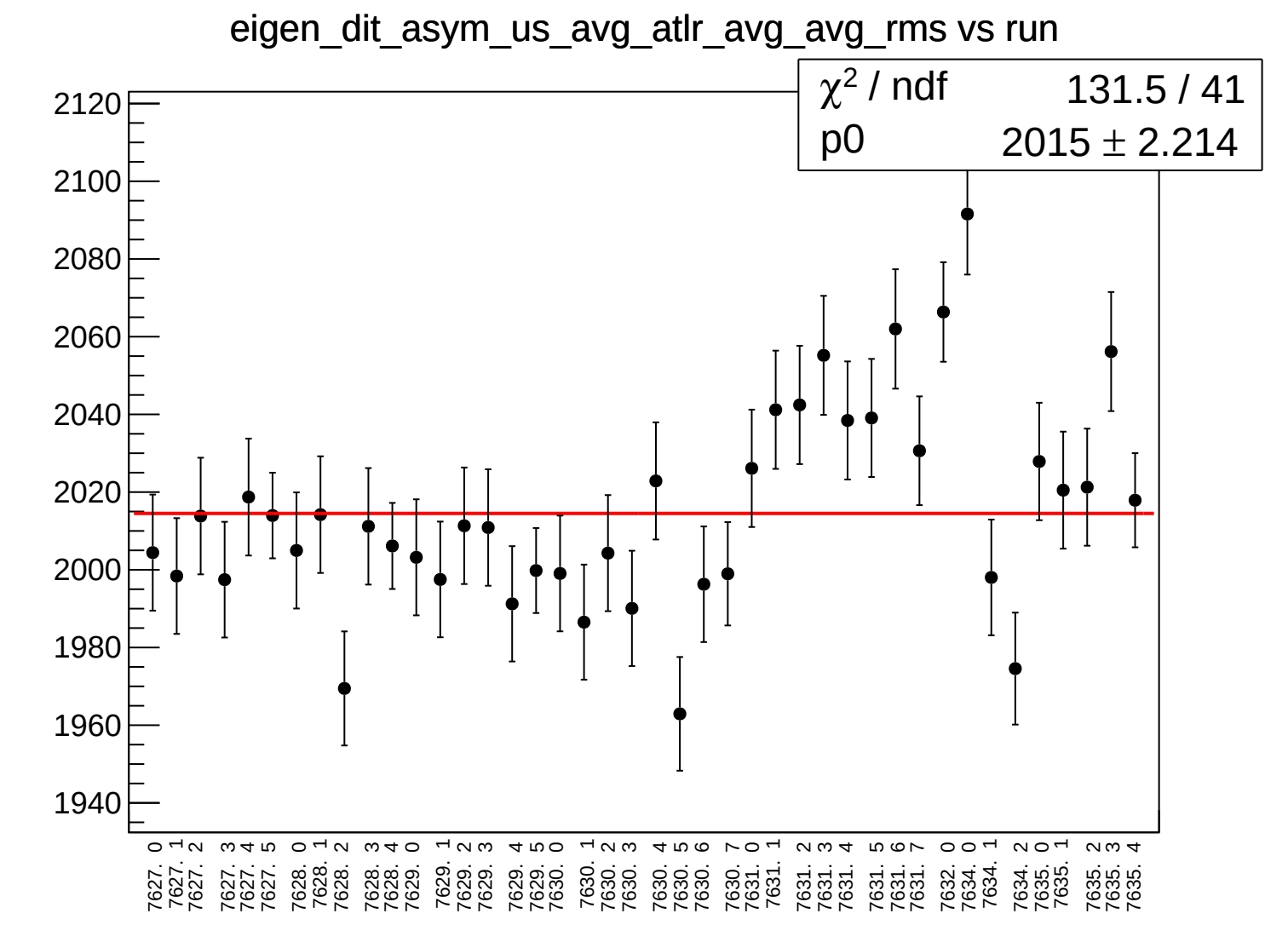

pull1D
Entries 42
Mean 0.0008938
Std Dev 1.185

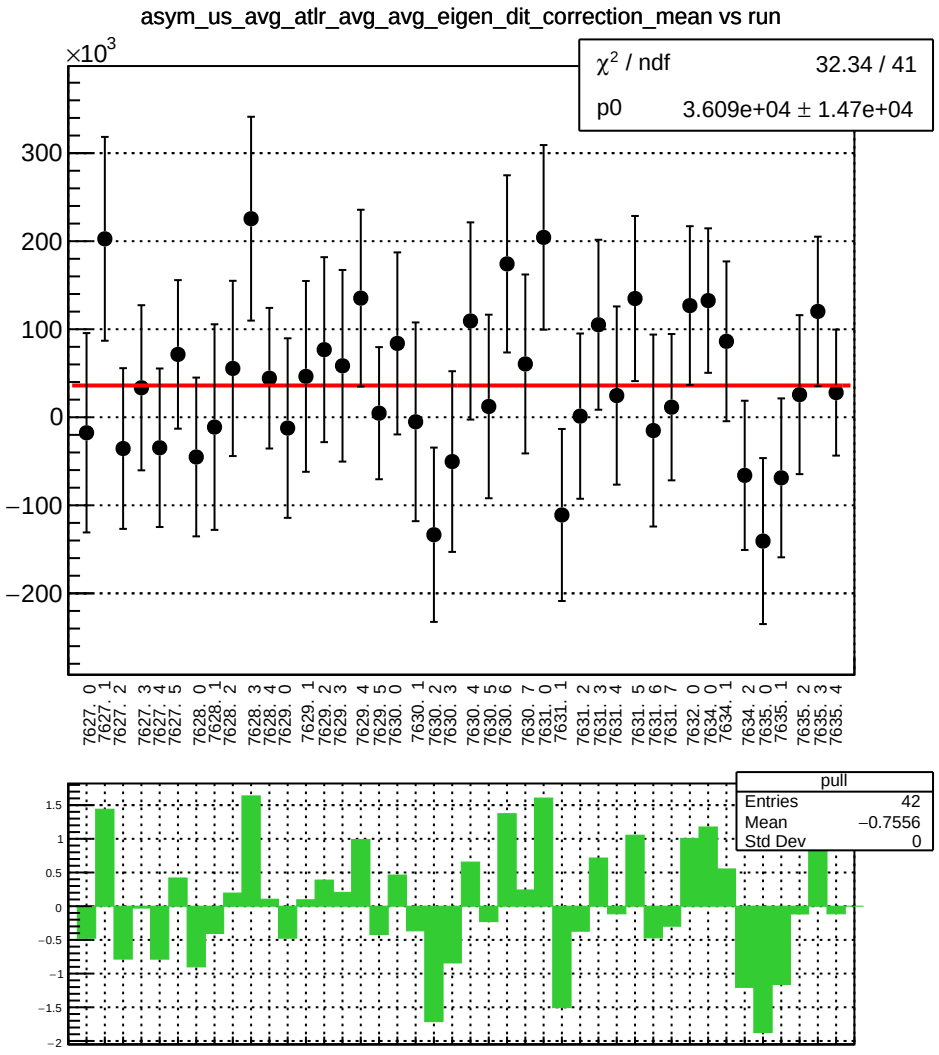

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 131.5 / 41
p0 2015 ± 2.214
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

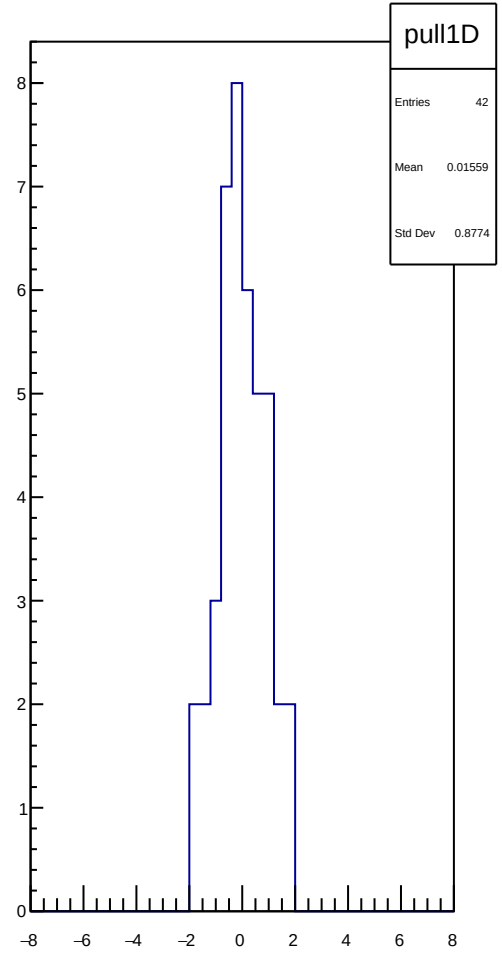

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 32.34 / 41
p0 3.609e+04 ± 1.47e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −0.7553
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01559
Std Dev 0.8774
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

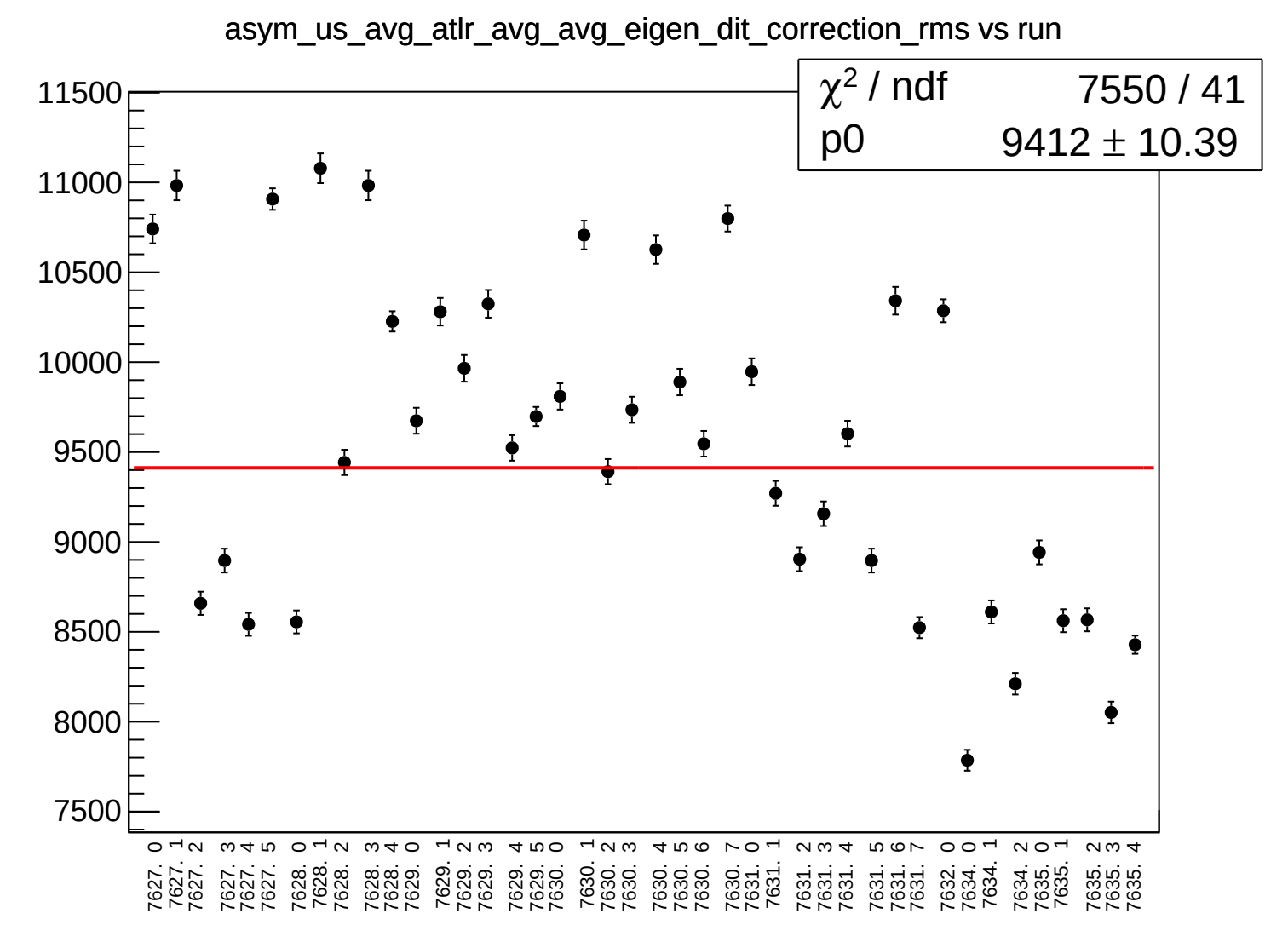

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 7550 / 41
p0 9412 ± 10.39
11500
11000
10500
10000
9500
9000
8500
8000
7500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

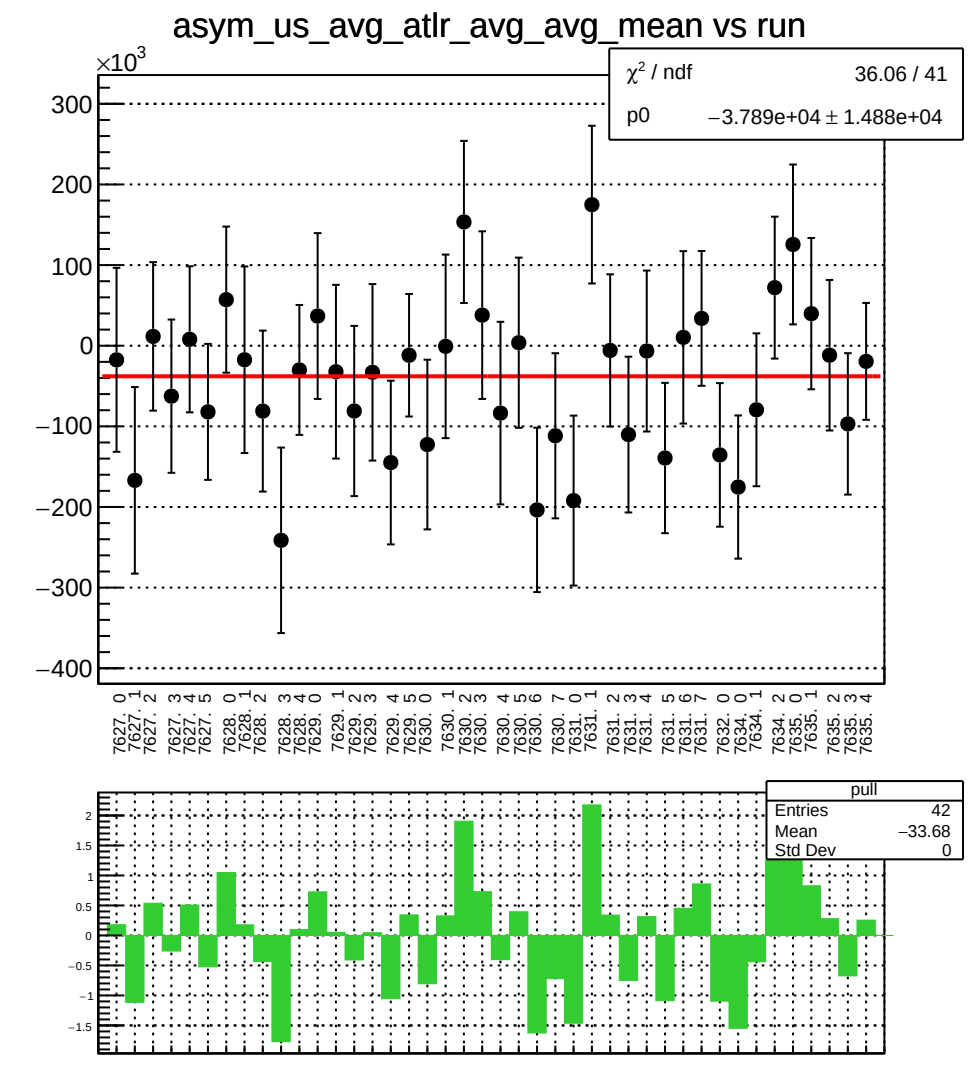

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 58.98 / 41
p0 −1975 ± 3132
×10³
pull
Entries 42
Mean 2885
Std Dev 0
pull1D
Entries 42
Mean 0.0008938
Std Dev 1.185

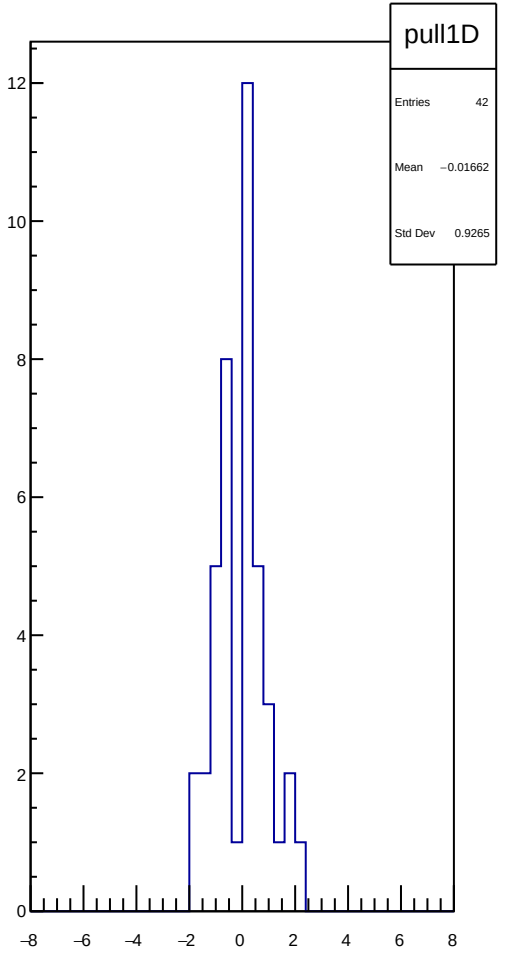

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 131.5 / 41
p0 2015 ± 2.214
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

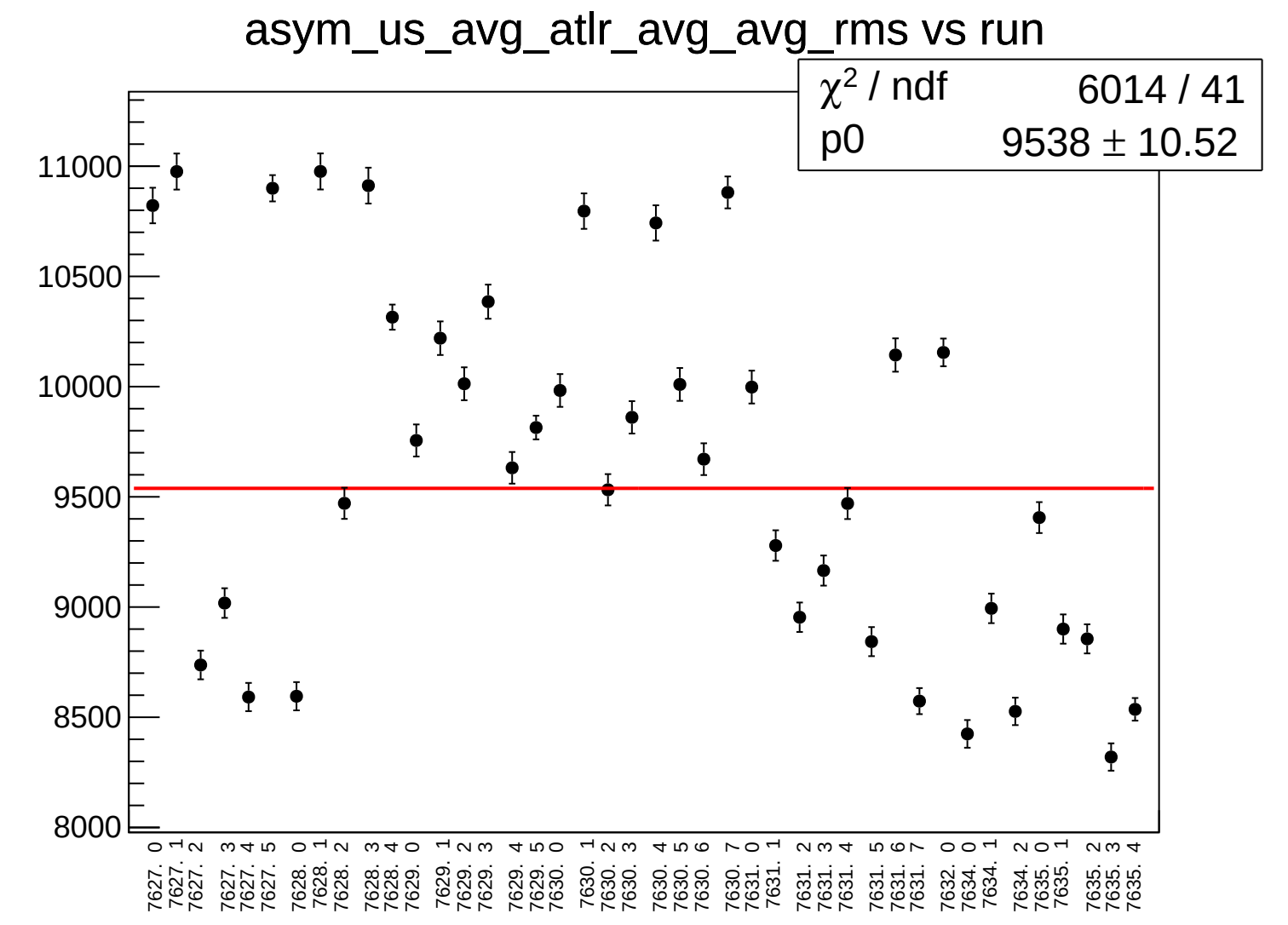

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.34 / 41
p0 3.609e+04 ± 1.47e+04
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −0.7556
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

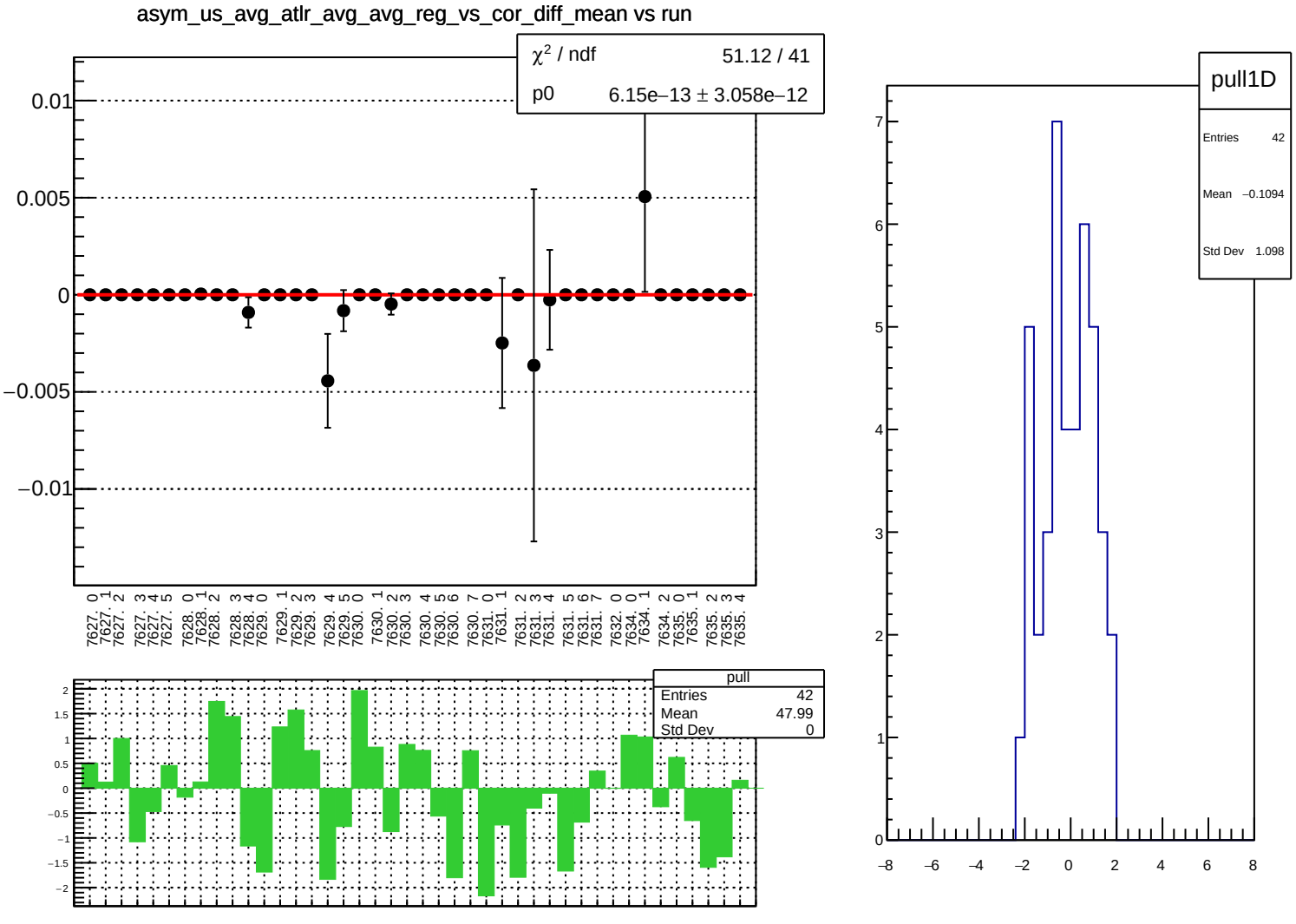

pull1D
Entries 42
Mean 0.01559
Std Dev 0.8774
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

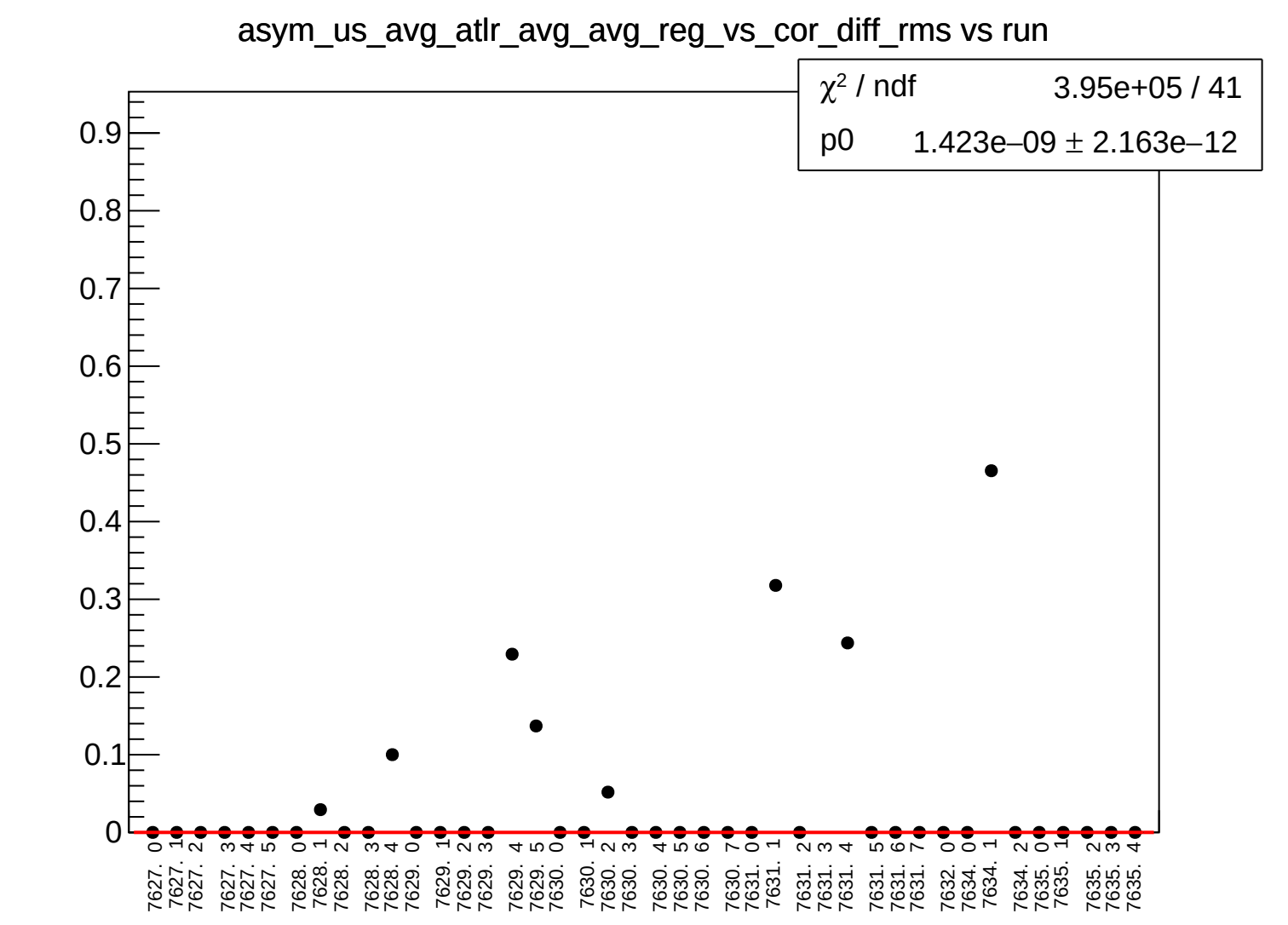

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7550 / 41
p0 9412 ± 10.39
11500
11000
10500
10000
9500
9000
8500
8000
7500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

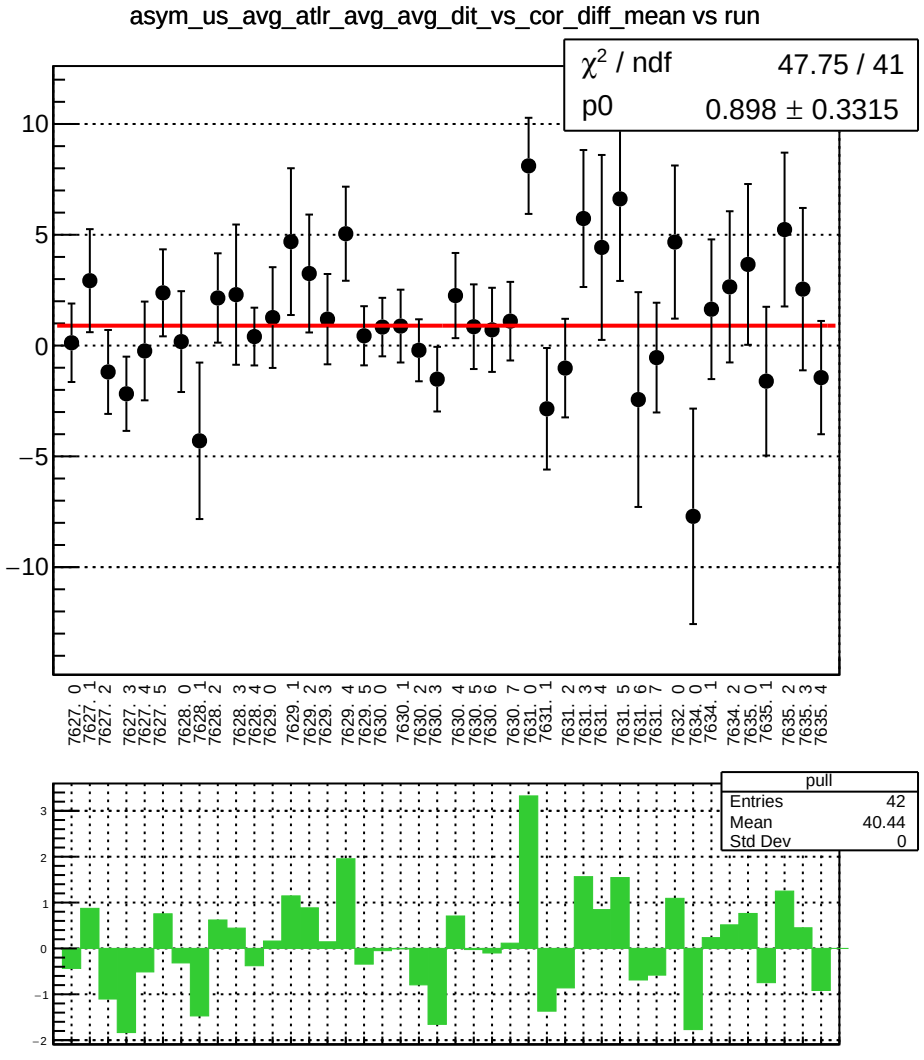

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 36.06 / 41
p0 −3.789e+04 ± 1.488e+04
300
200
100
0
−100
−200
−300
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −33.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

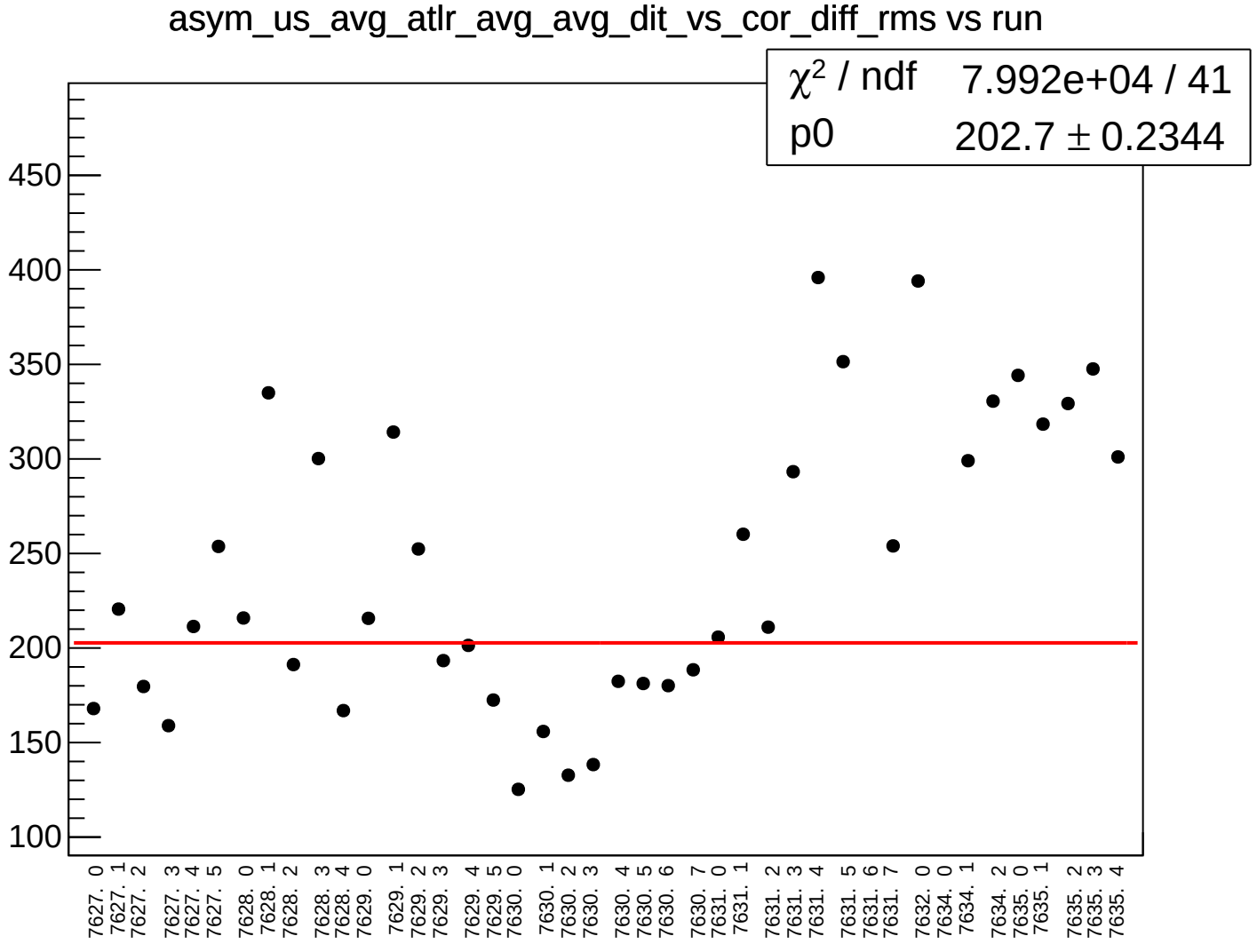

pull1D
Entries 42
Mean −0.01662
Std Dev 0.9265
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

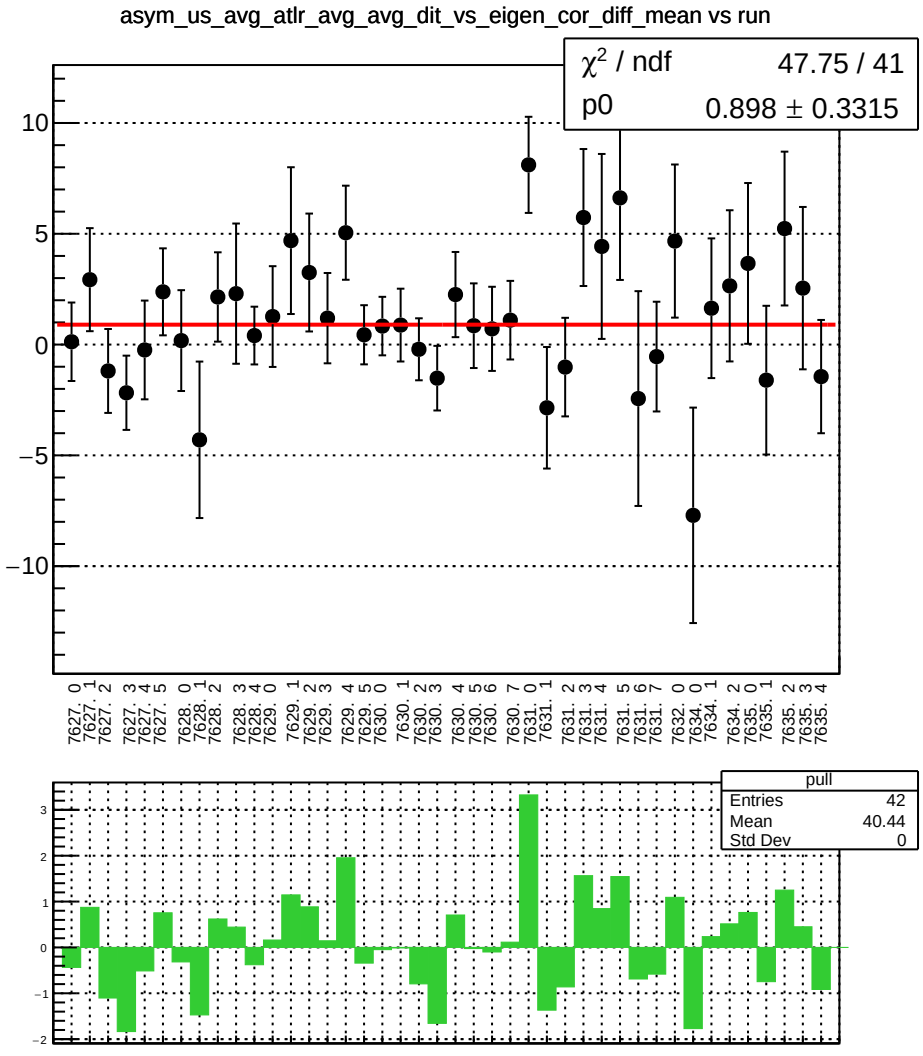

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 6014 / 41
p0 9538 ± 10.52
11000
10500
10000
9500
9000
8500
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

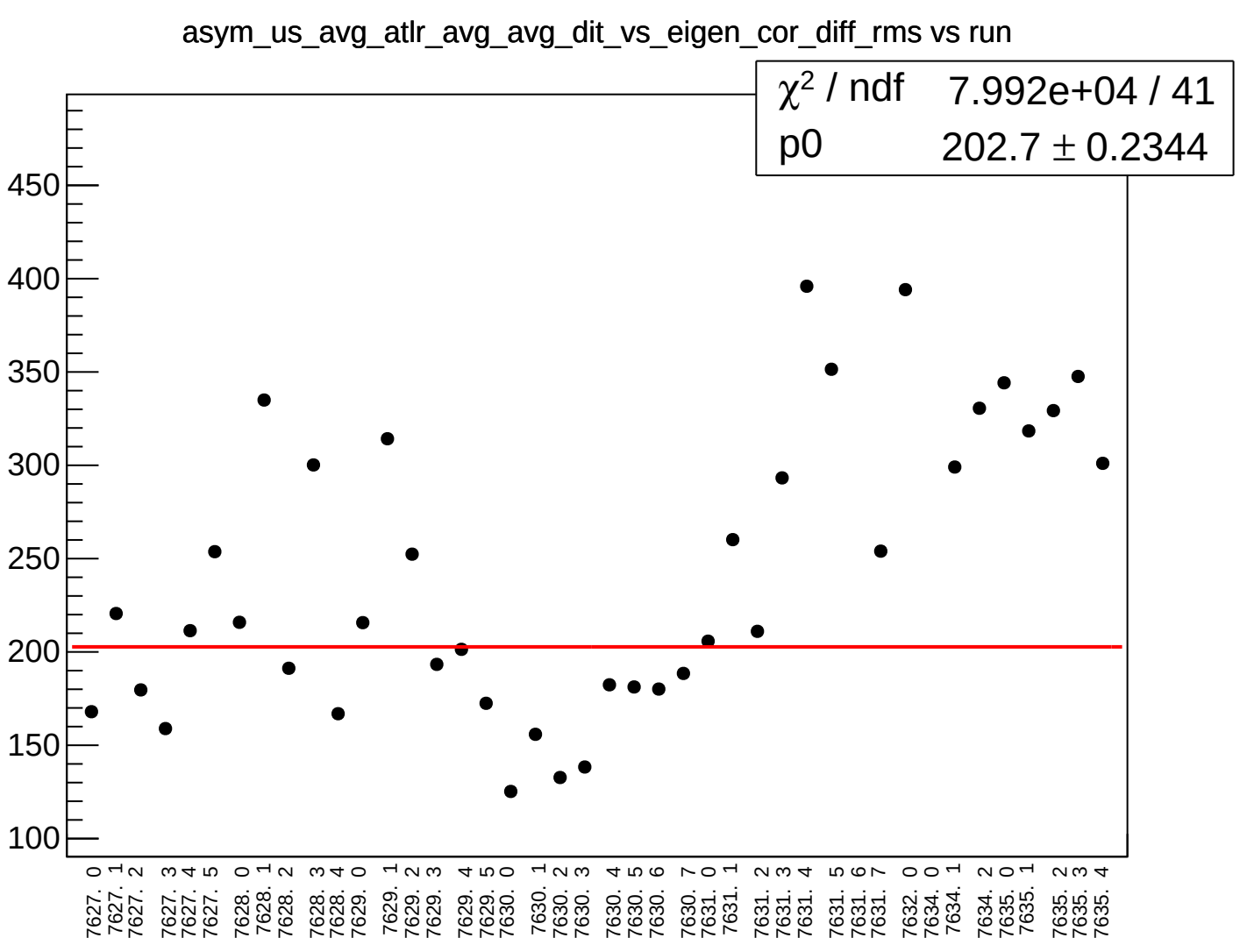

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.12 / 41
p0 6.15e−13 ± 3.058e−12
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 47.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.1094
Std Dev 1.098
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

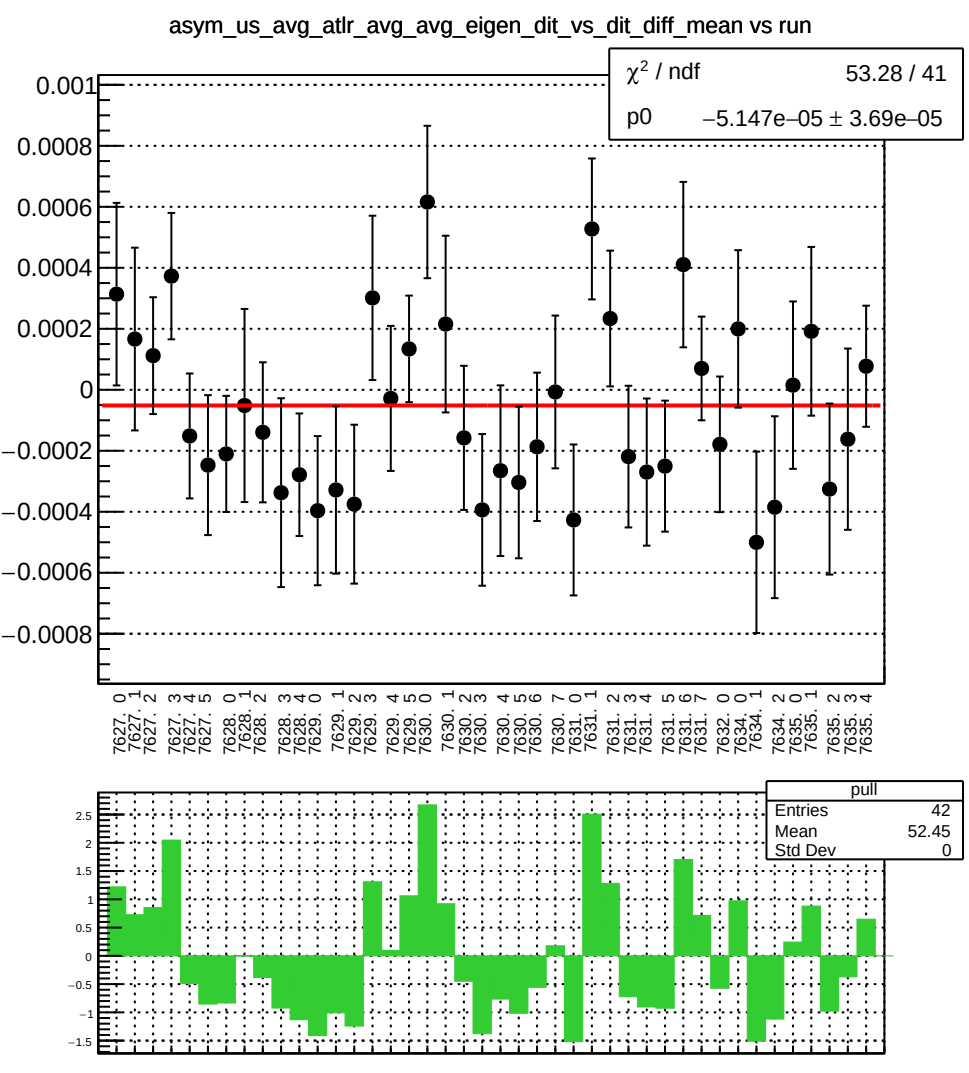

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.95e+05 / 41
p0 1.423e−09 ± 2.163e−12
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

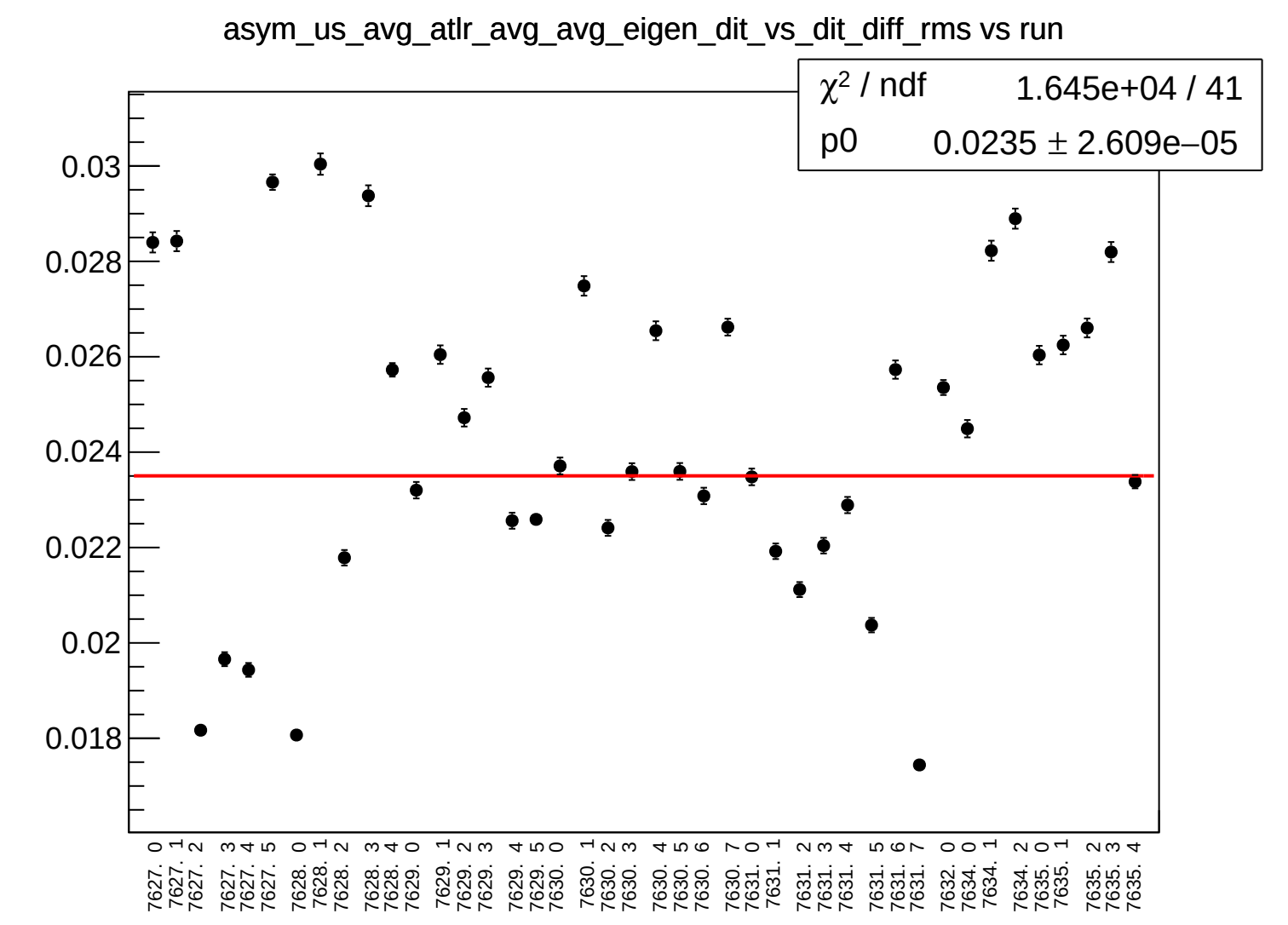

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.75 / 41
p0 0.898 ± 0.3315
pull
Entries 42
Mean 40.44
Std Dev 0
pull1D
Entries 42
Mean 0.08164
Std Dev 1.063

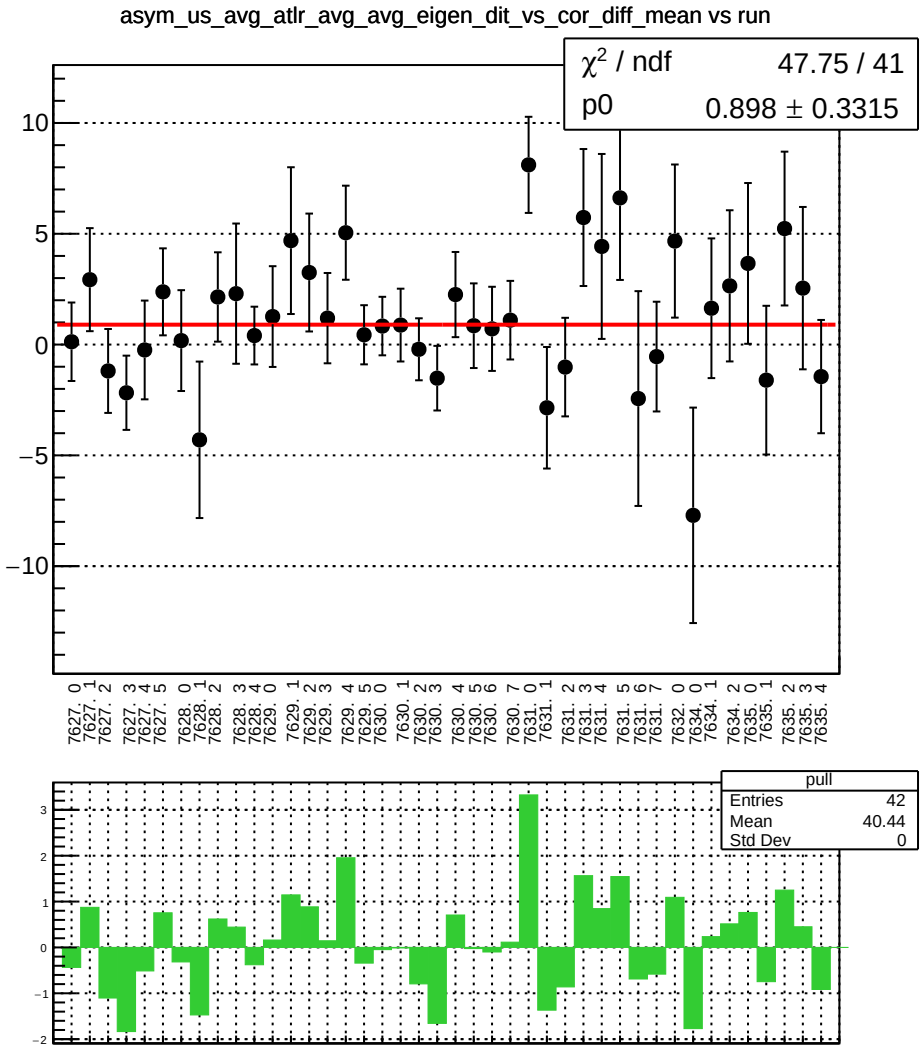

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.992e+04 / 41
p0 202.7 ± 0.2344
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

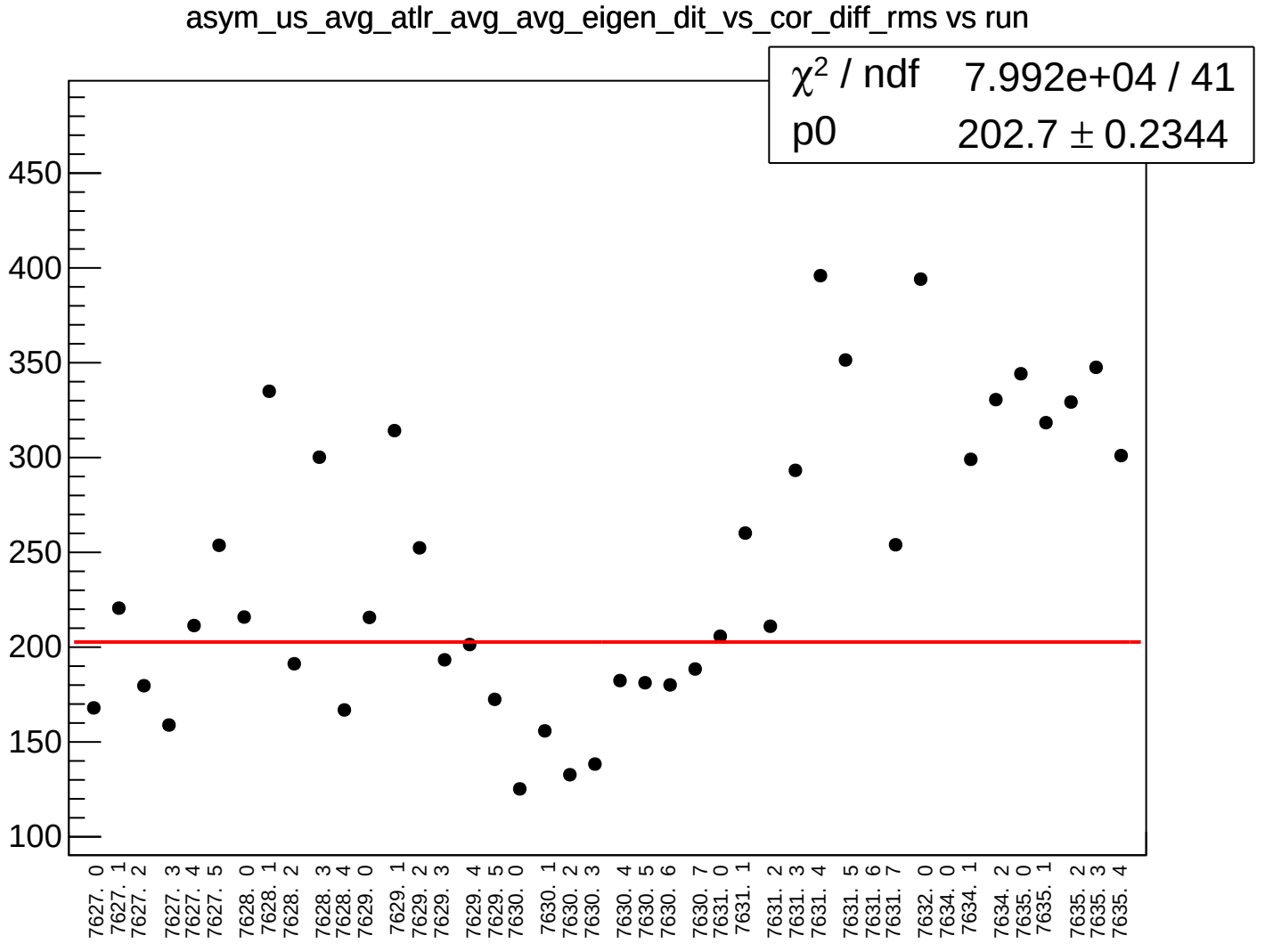

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.75 / 41
p0 0.898 ± 0.3315
pull
Entries 42
Mean 40.44
Std Dev 0
pull1D
Entries 42
Mean 0.08164
Std Dev 1.063

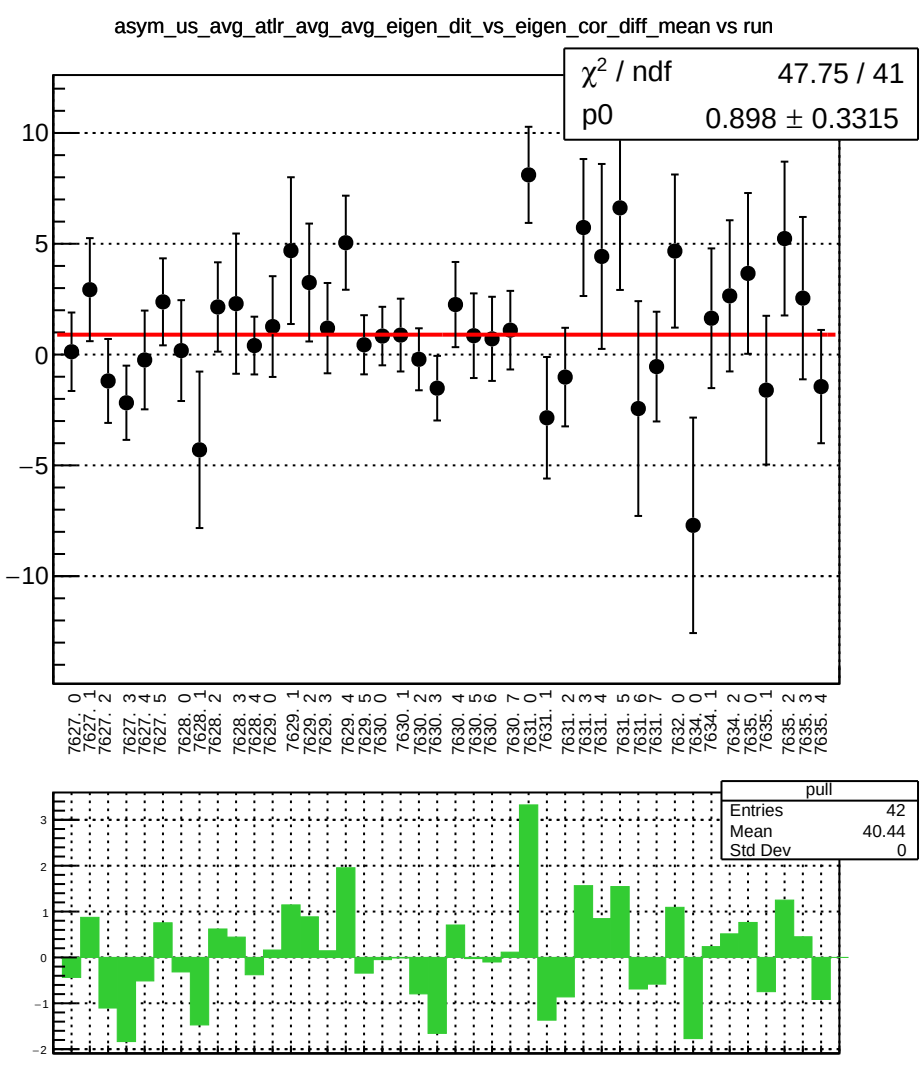

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.992e+04 / 41
p0 202.7 ± 0.2344
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

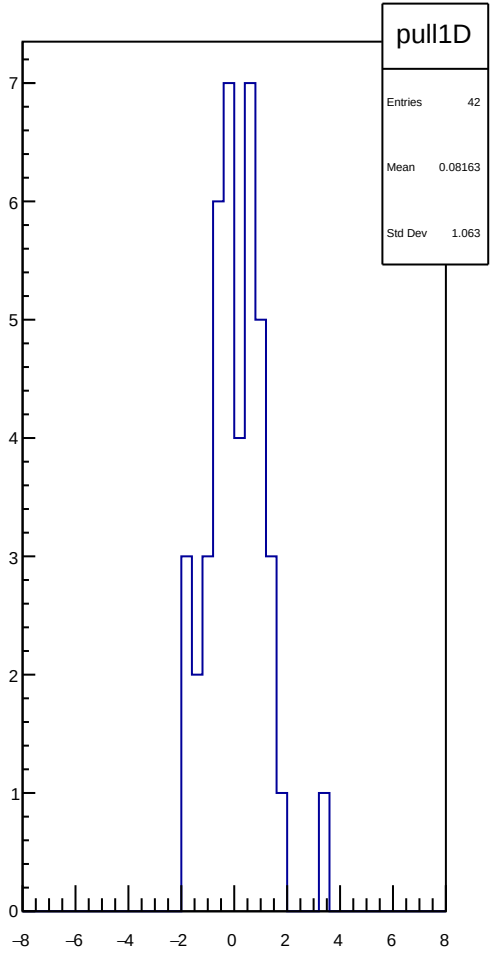

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 53.28 / 41
p0 −5.147e−05 ± 3.69e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 52.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02427
Std Dev 1.126
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

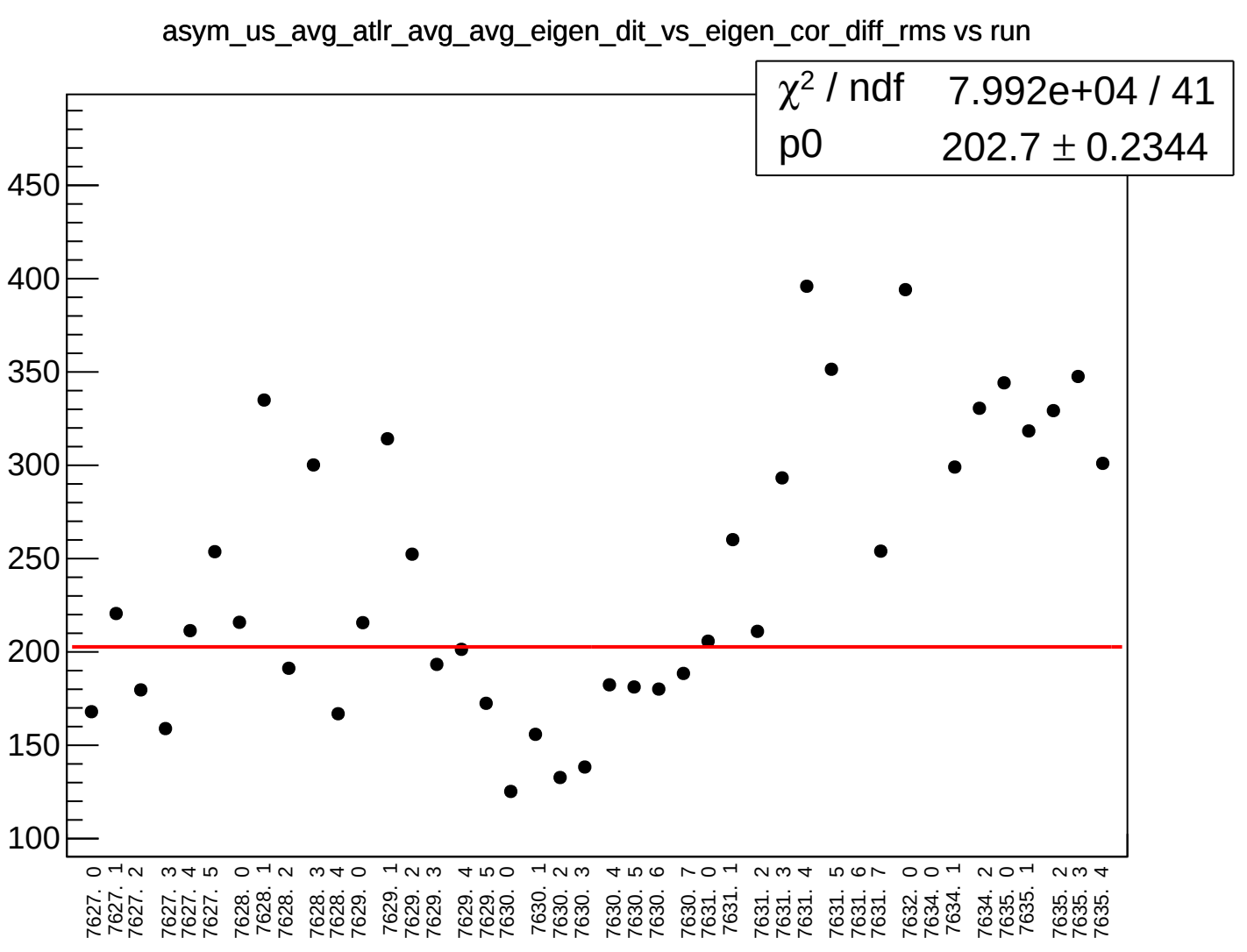

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.645e+04 / 41
p0 0.0235 ± 2.609e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

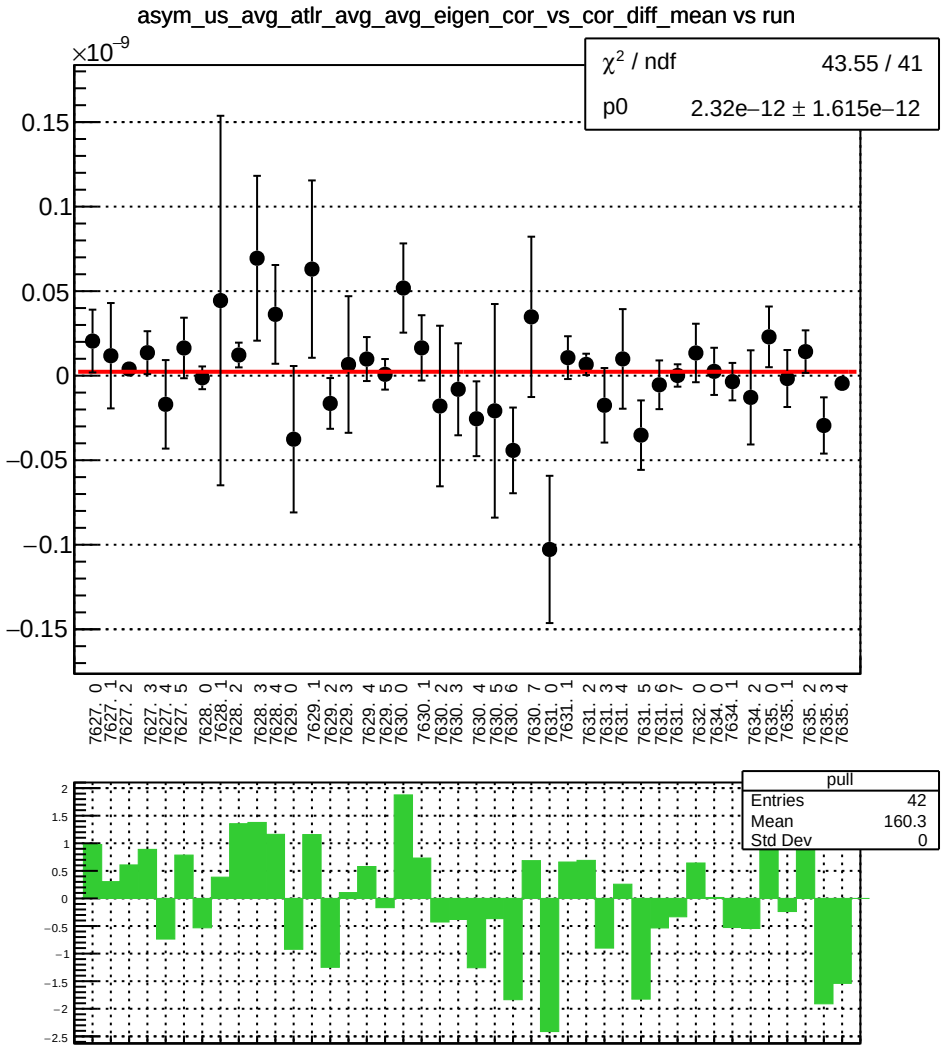

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.75 / 41
p0 0.898 ± 0.3315
pull
Entries 42
Mean 40.44
Std Dev 0
pull1D
Entries 42
Mean 0.08163
Std Dev 1.063

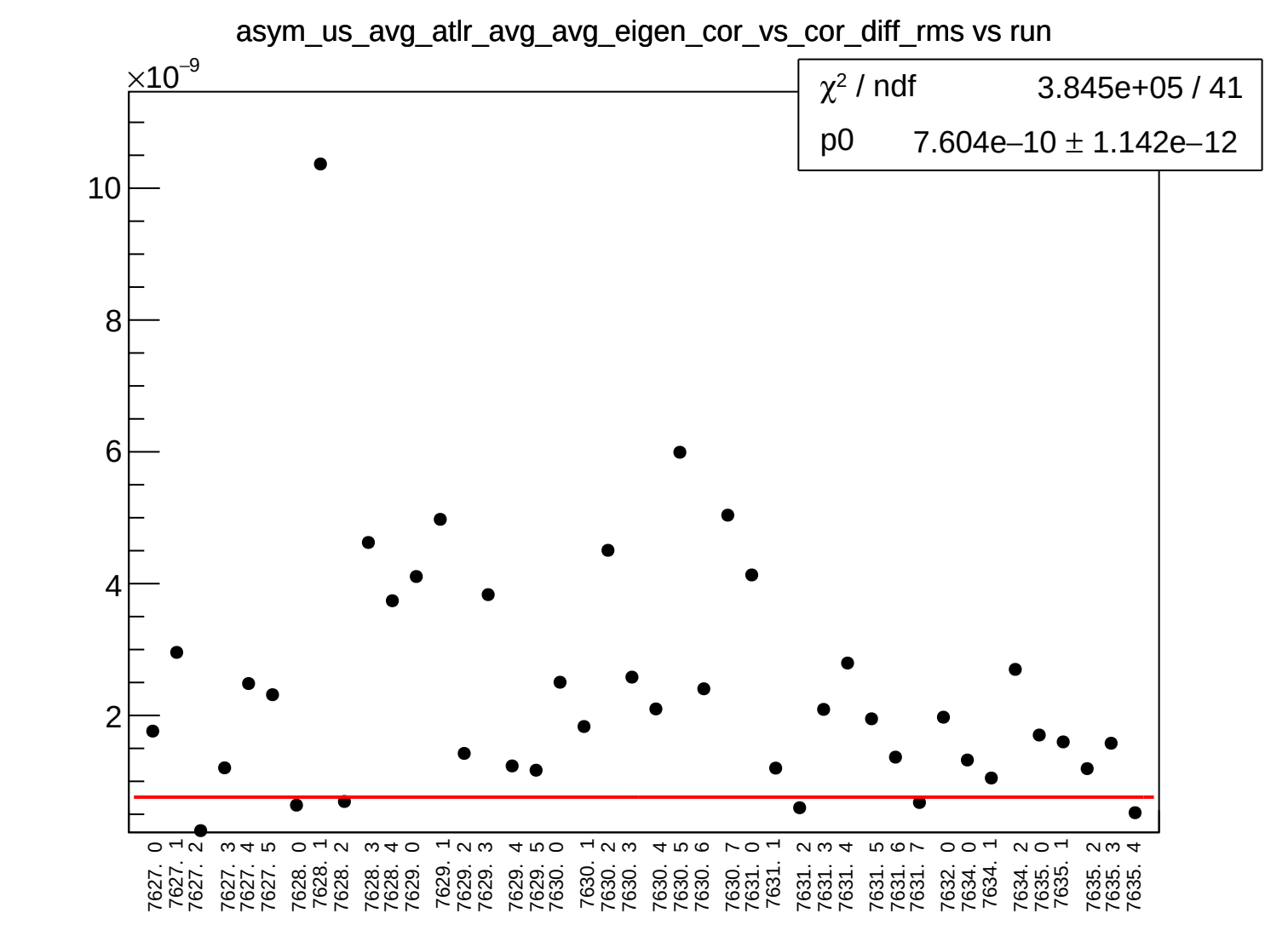

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.992e+04 / 41
p0 202.7 ± 0.2344
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

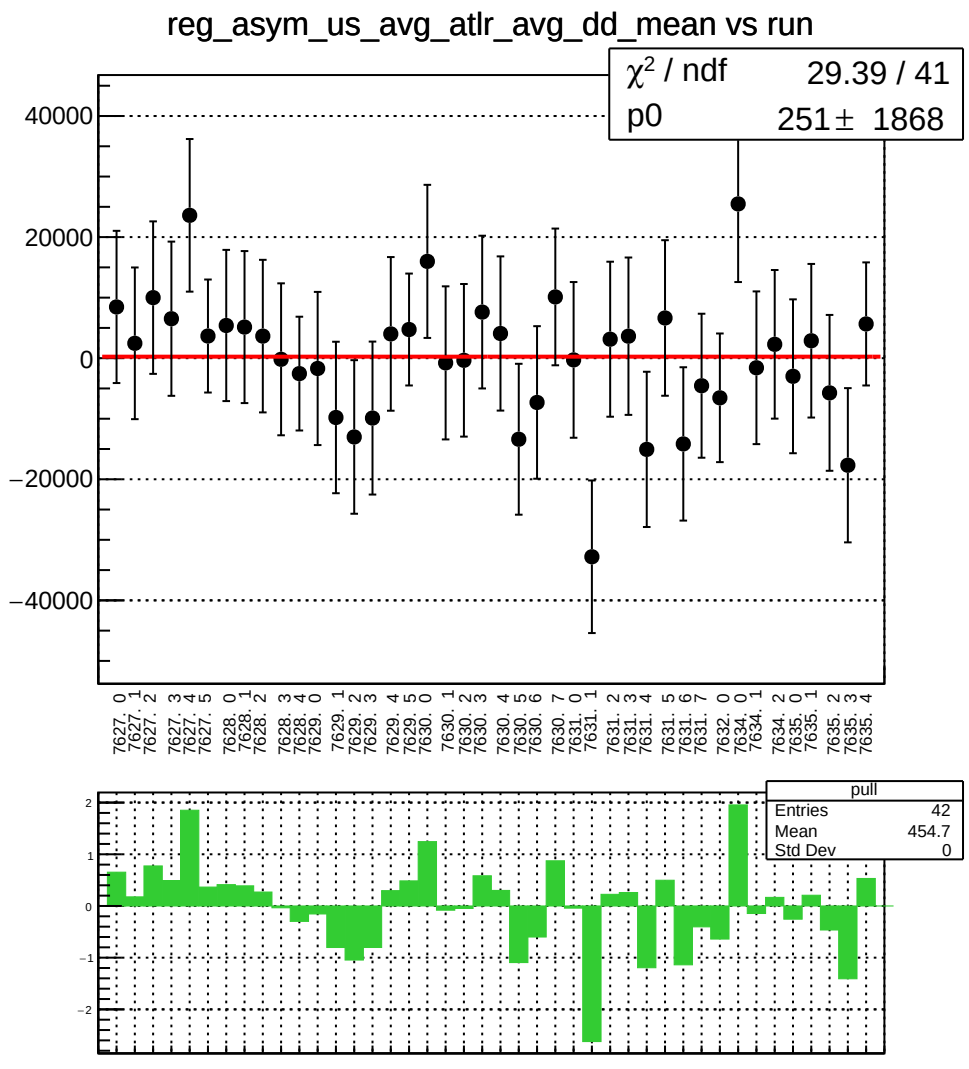

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.75 / 41
p0 0.898 ± 0.3315
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 40.44
Std Dev 0
3
2
1
0
−1
−2

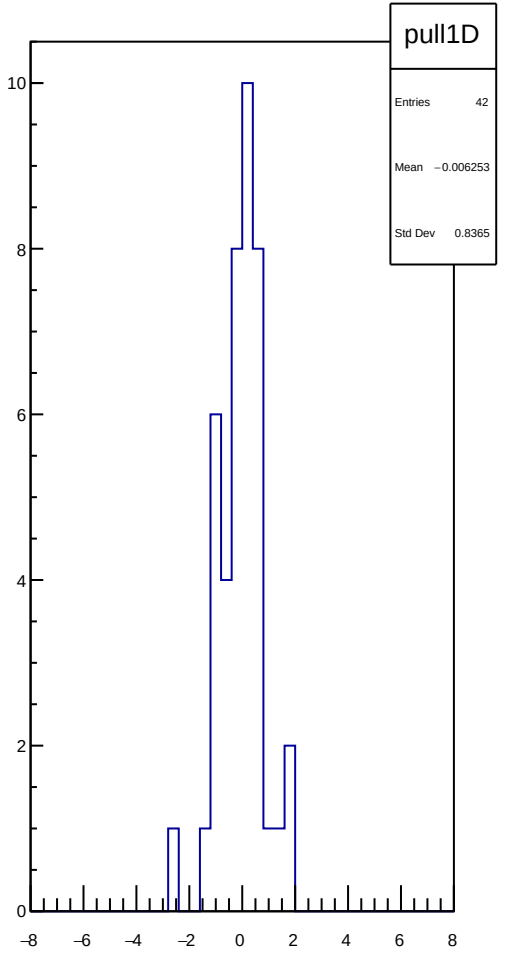

pull1D
Entries 42
Mean 0.08163
Std Dev 1.063
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

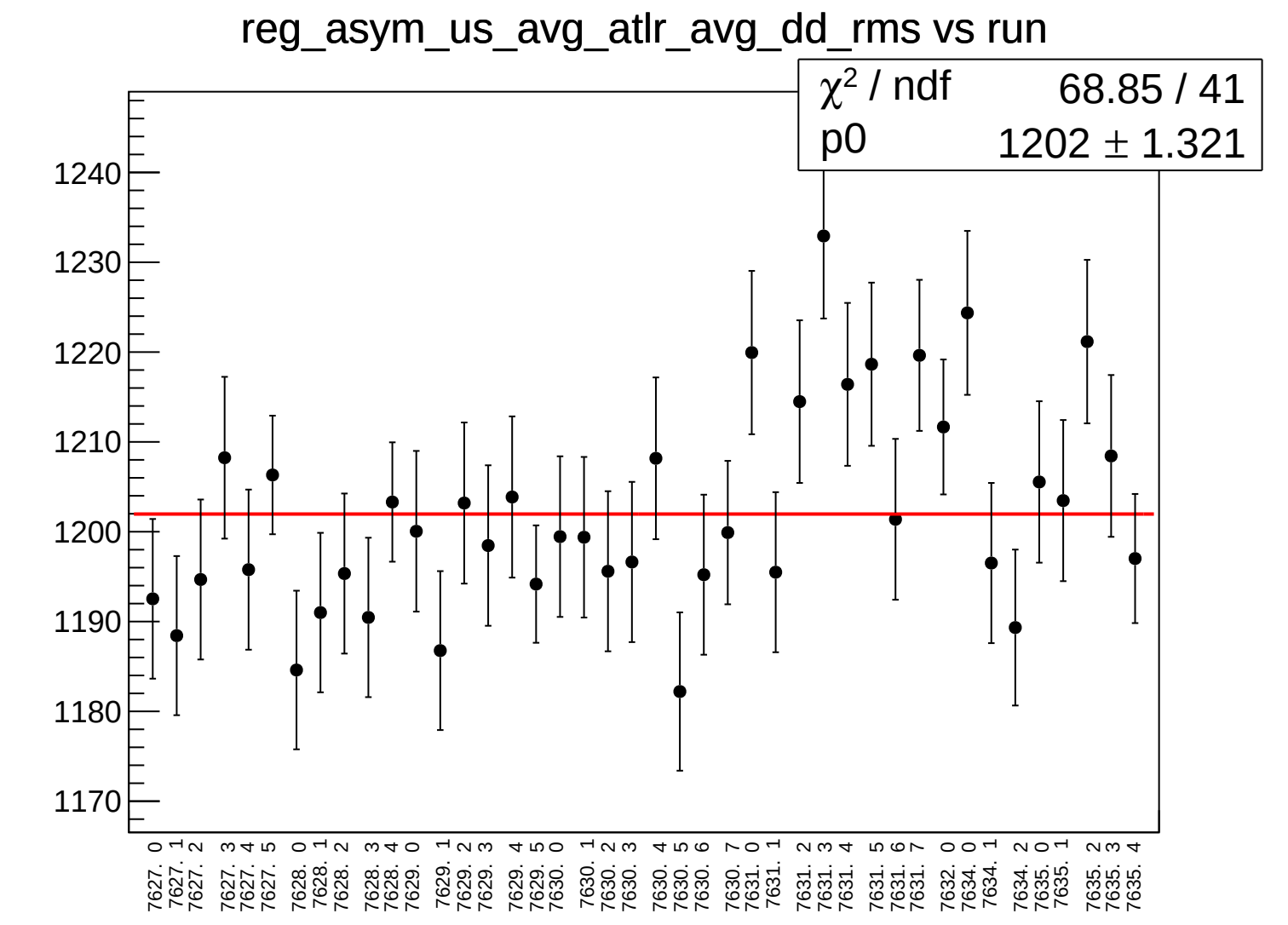

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.992e+04 / 41
p0 202.7 ± 0.2344
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

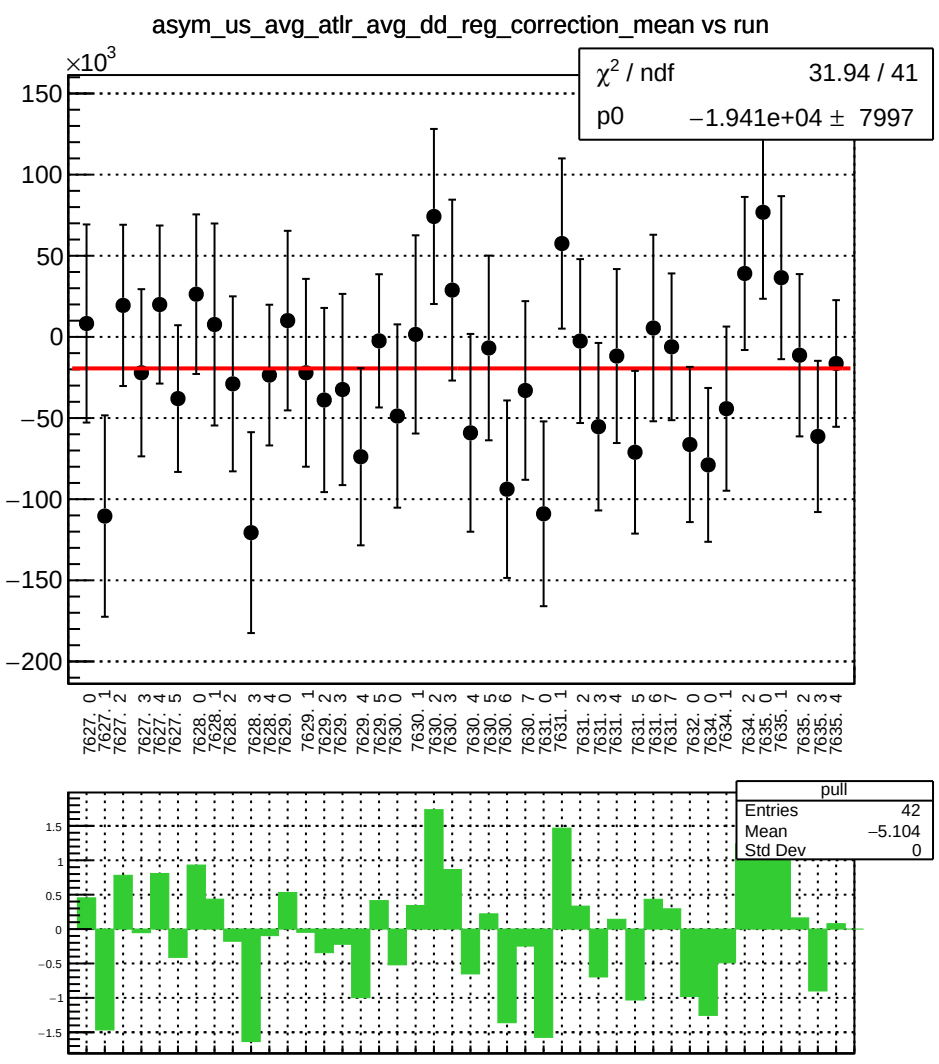

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 43.55 / 41
p0 2.32e−12 ± 1.615e−12
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 160.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.03065
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

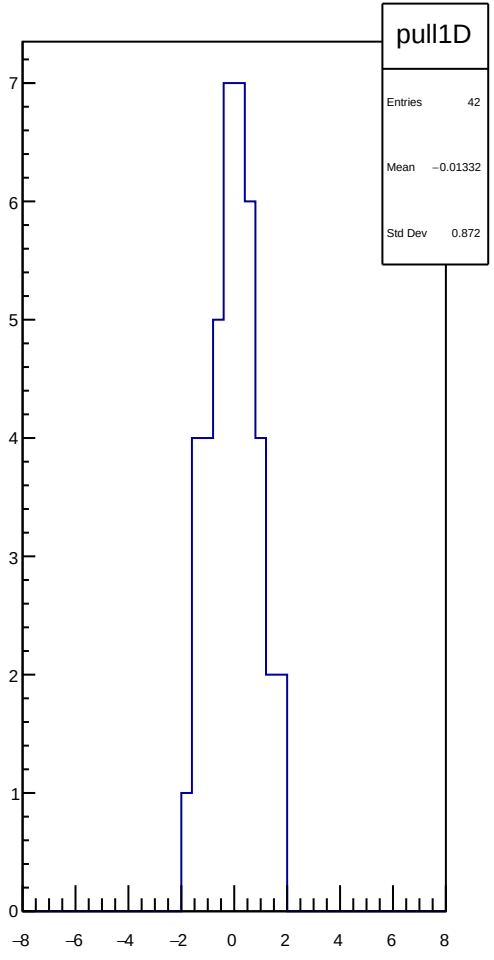

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.845e+05 / 41
p0 7.604e−10 ± 1.142e−12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

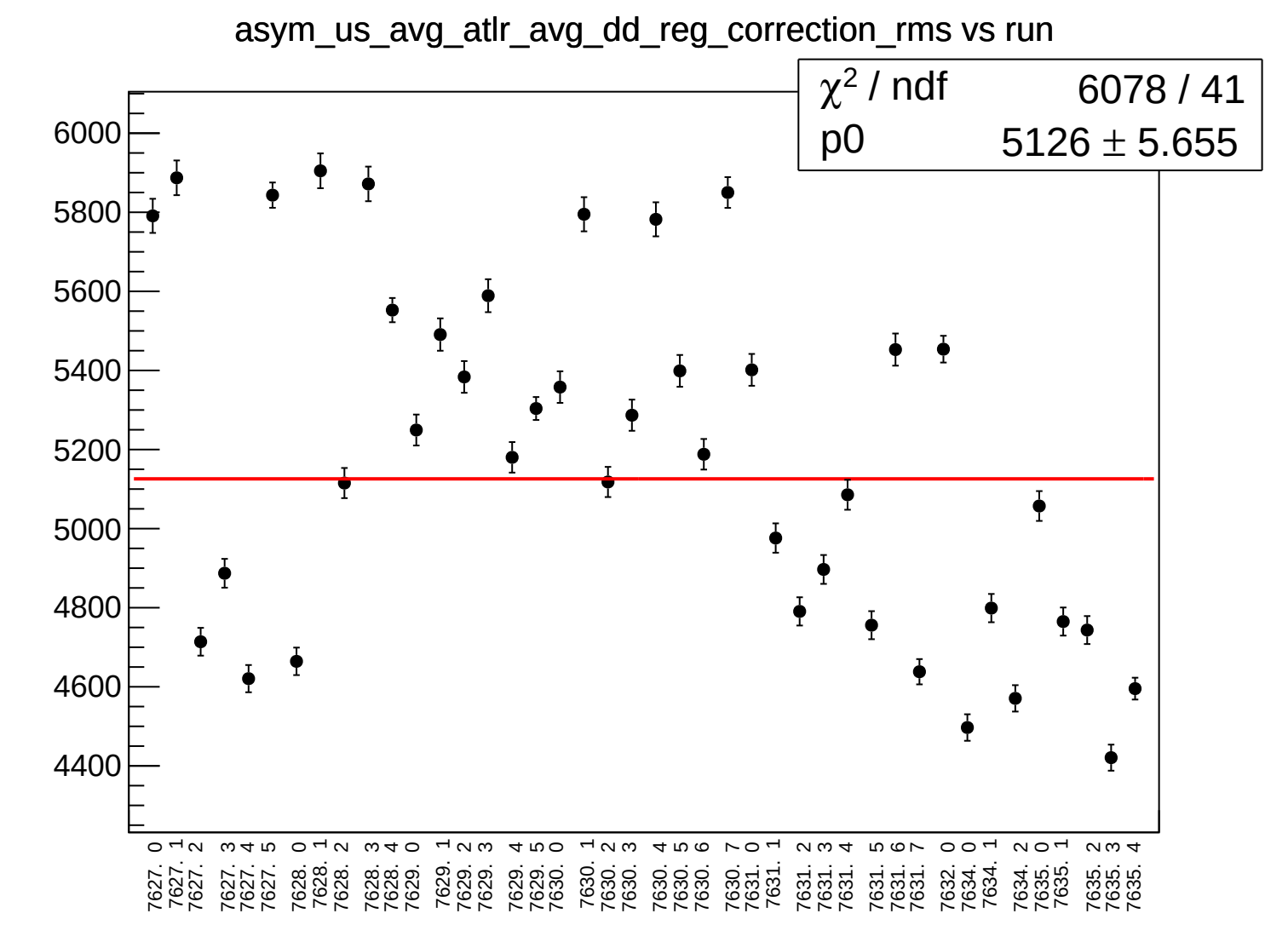

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 29.39 / 41
p0 251 ± 1868
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 454.7
Std Dev 0
2
1
0
−1
−2

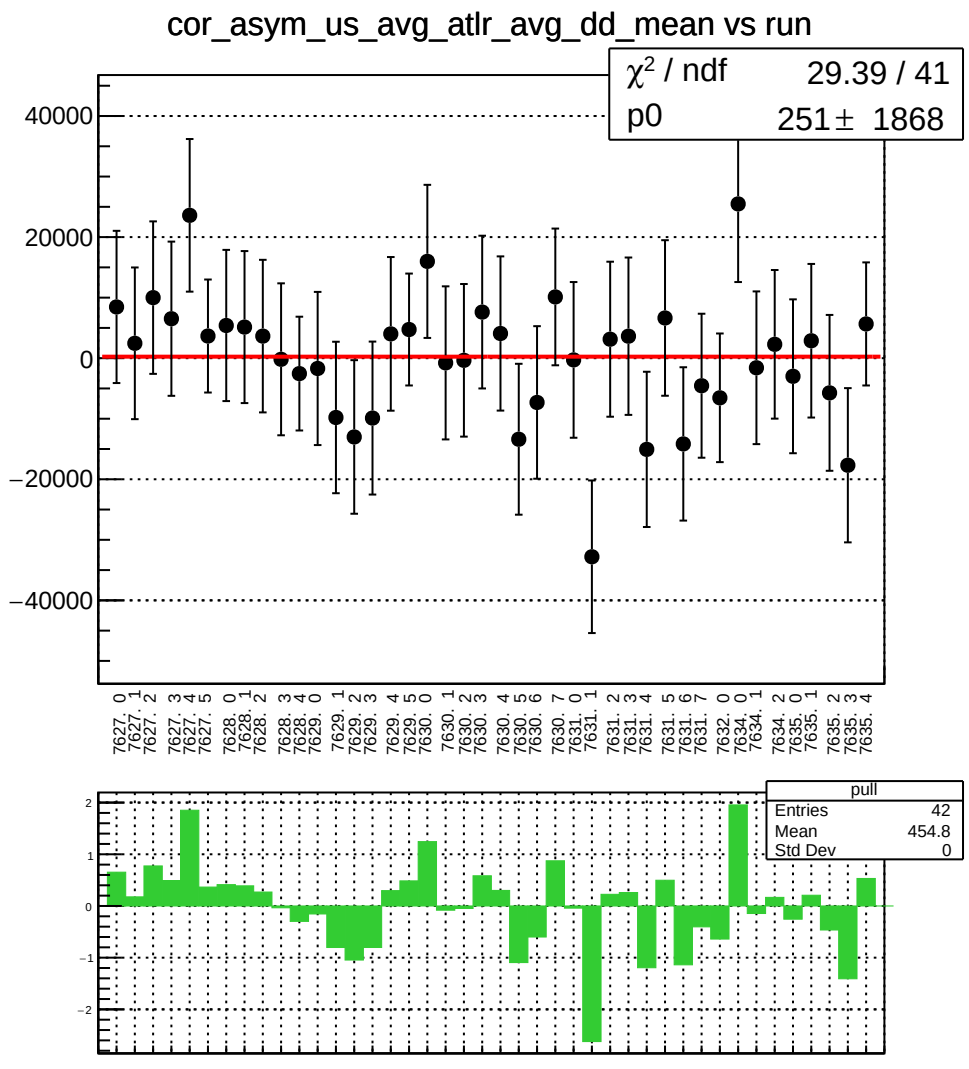

pull1D
Entries 42
Mean −0.006253
Std Dev 0.8365
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

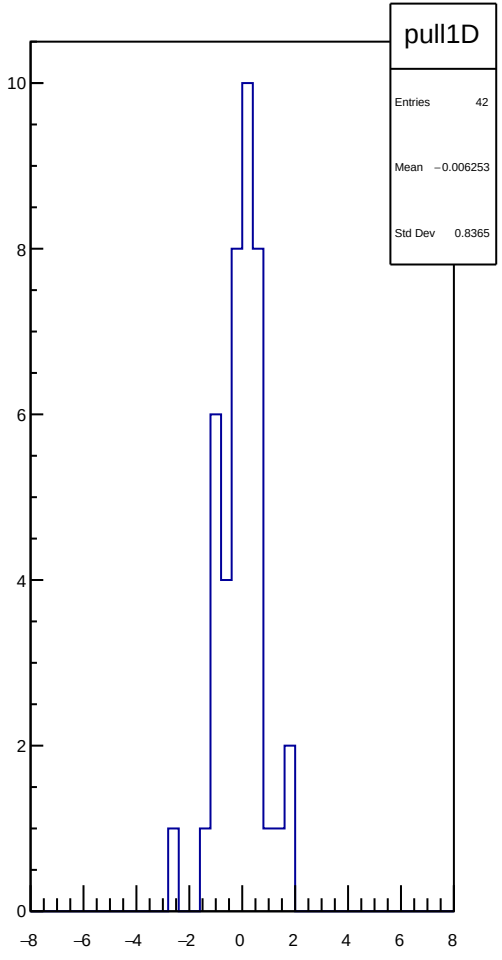

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 68.85 / 41
p0 1202 ± 1.321
1240
1230
1220
1210
1200
1190
1180
1170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

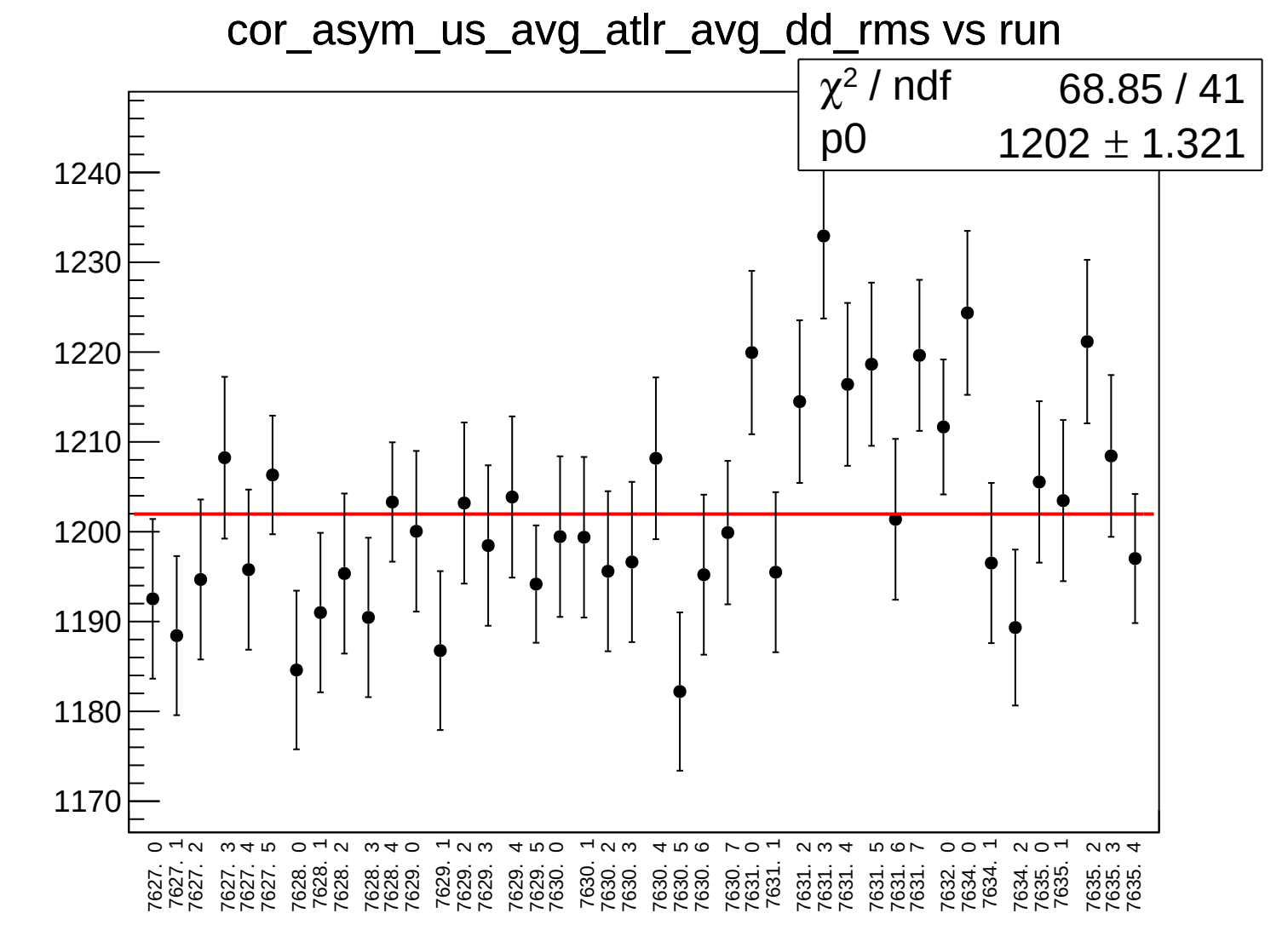

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 31.94 / 41
p0 −1.941e+04 ± 7997
pull
Entries 42
Mean −5.104
Std Dev 0

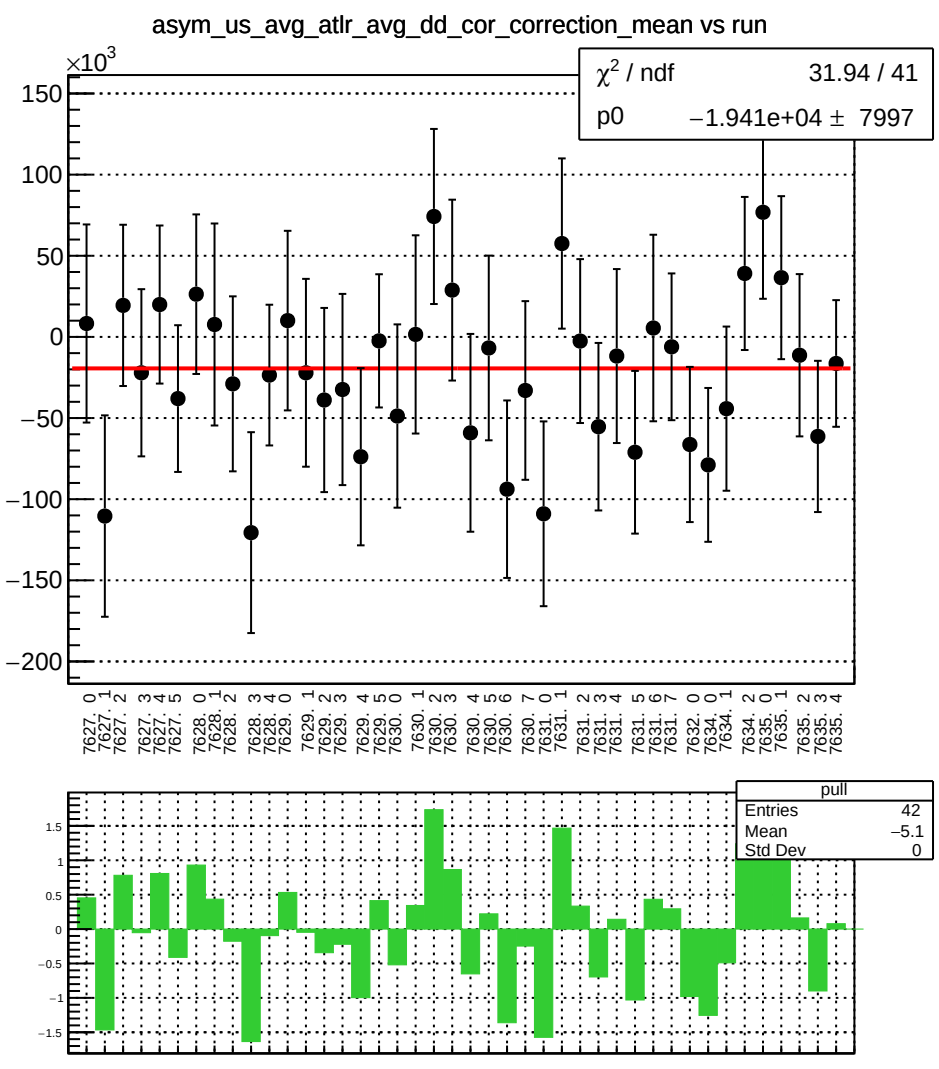

pull1D
Entries 42
Mean −0.01332
Std Dev 0.872

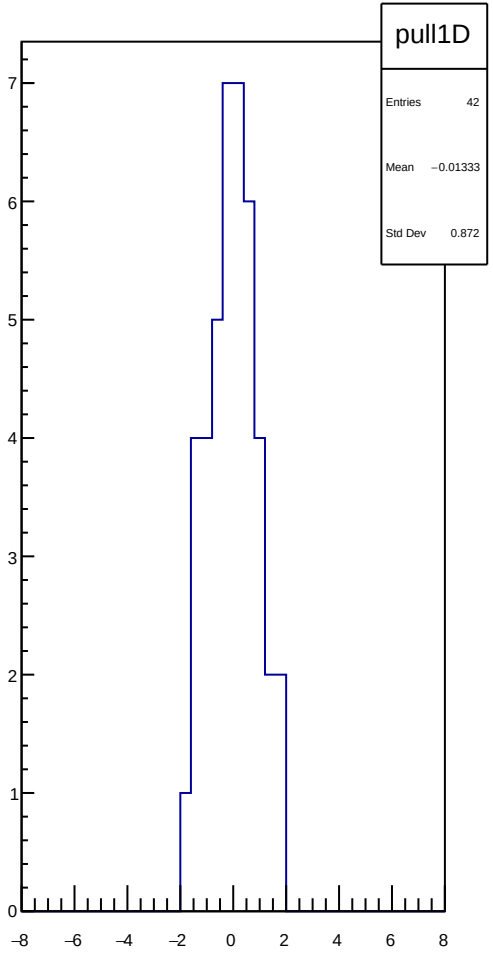

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ^2 / ndf 6078 / 41
p0 5126 ± 5.655
6000
5800
5600
5400
5200
5000
4800
4600
4400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

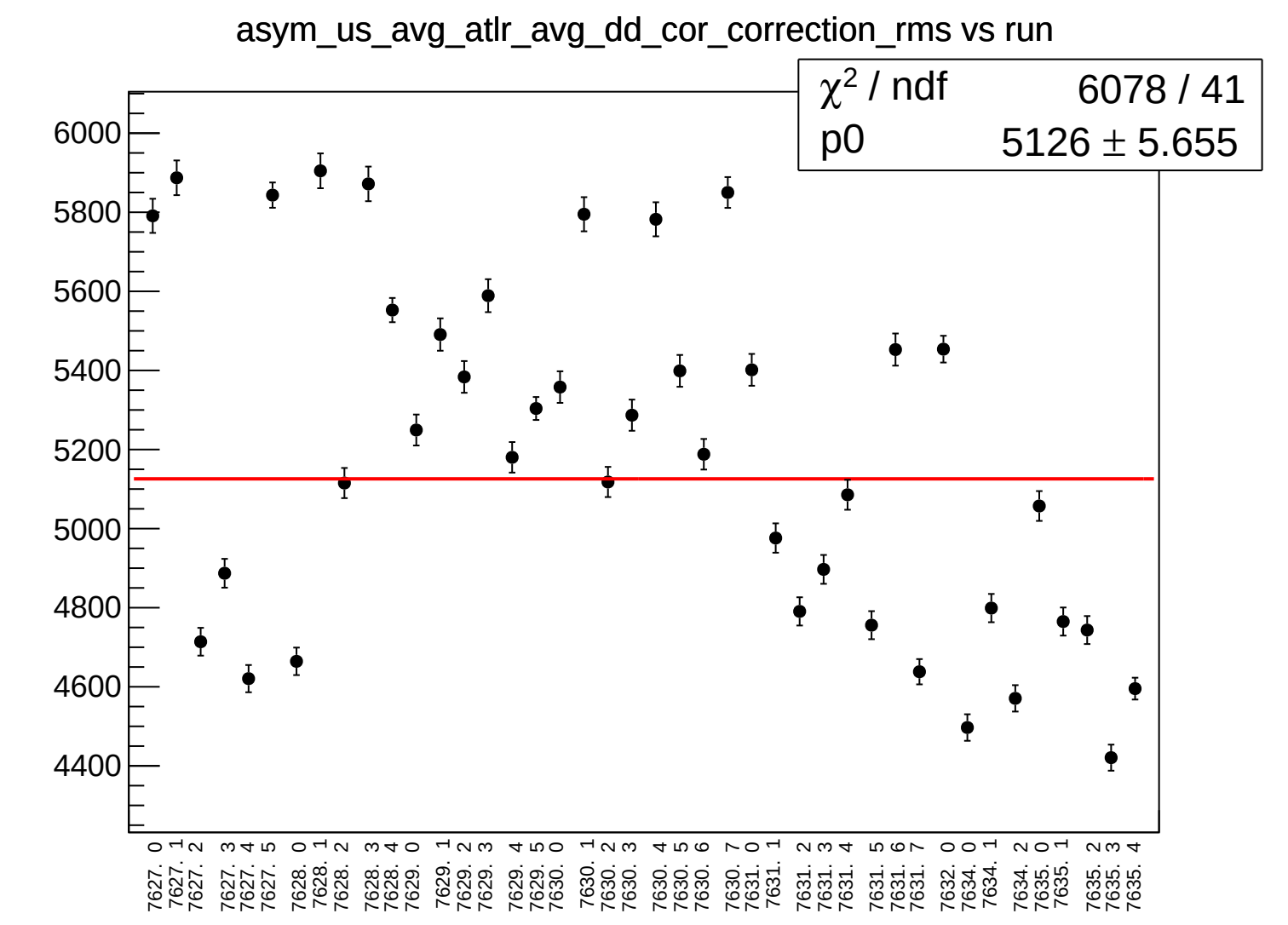

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 29.39 / 41
p0 251 ± 1868
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 454.8
Std Dev 0
2
1
0
−1
−2

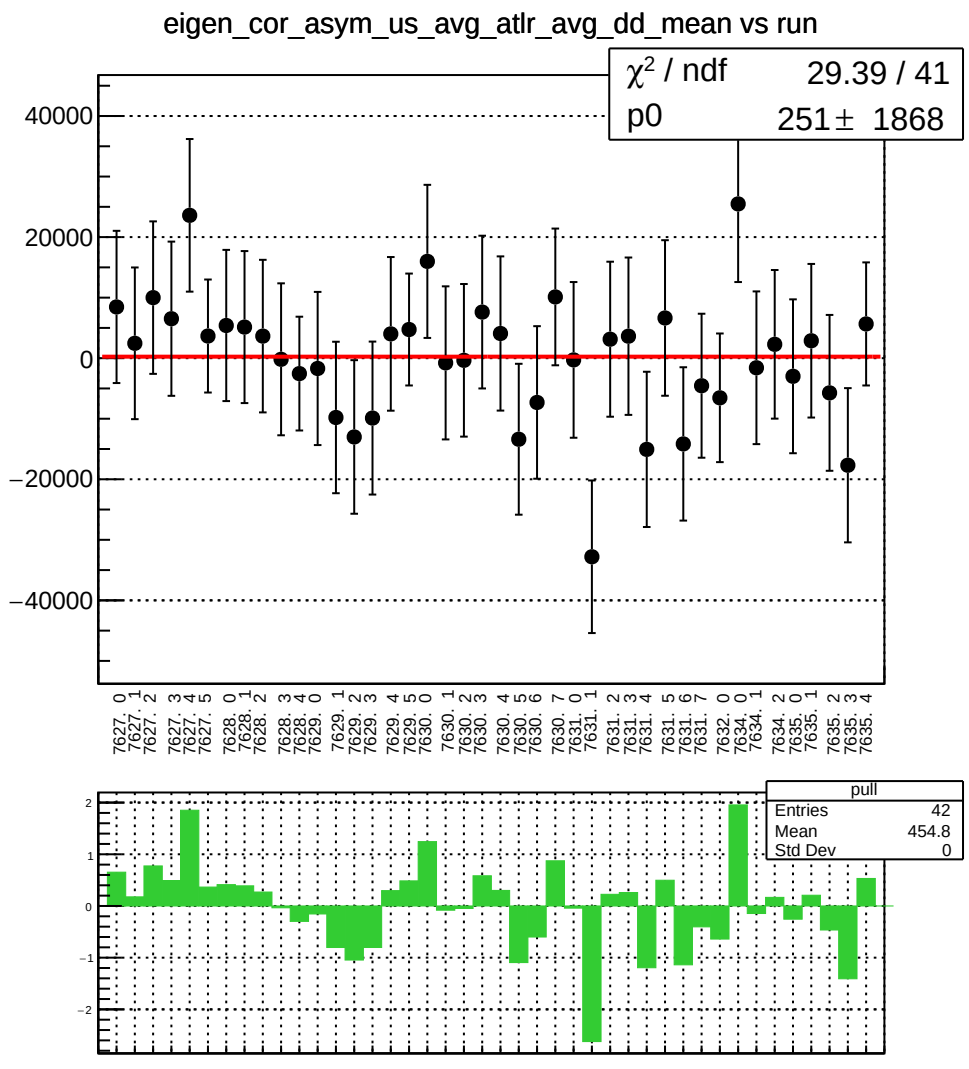

pull1D
Entries 42
Mean −0.006253
Std Dev 0.8365
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

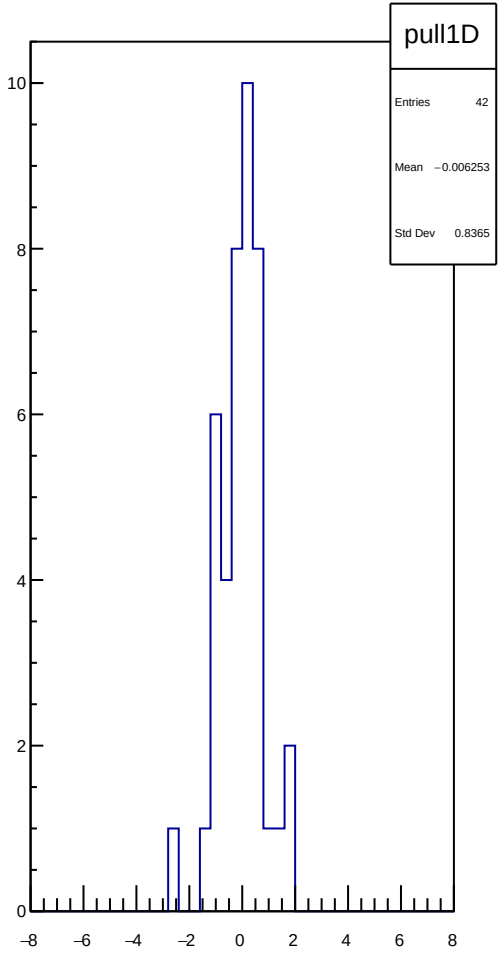

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 68.85 / 41
p0 1202 ± 1.321
1240
1230
1220
1210
1200
1190
1180
1170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

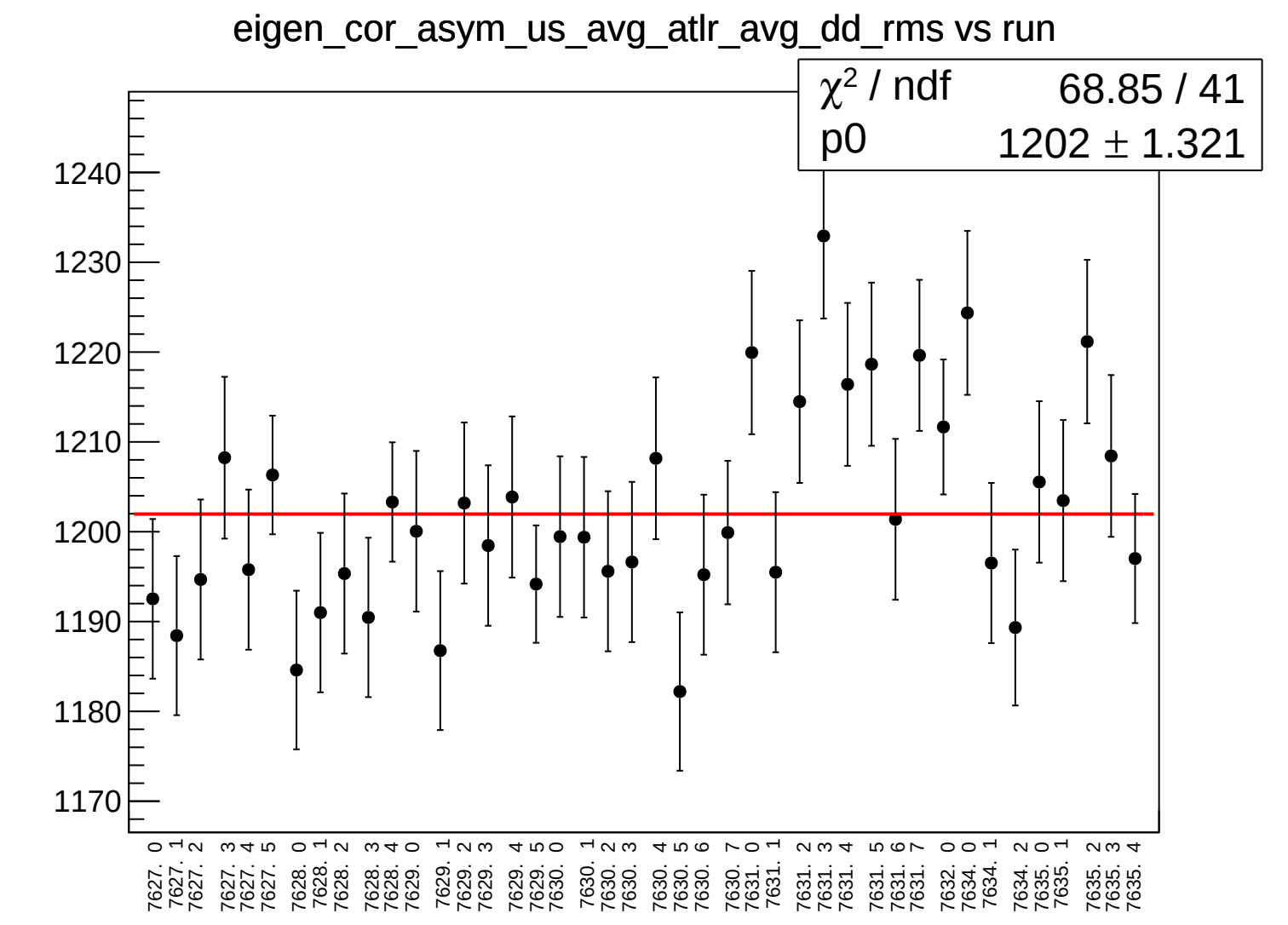

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 31.94 / 41
p0 −1.941e+04 ± 7997
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

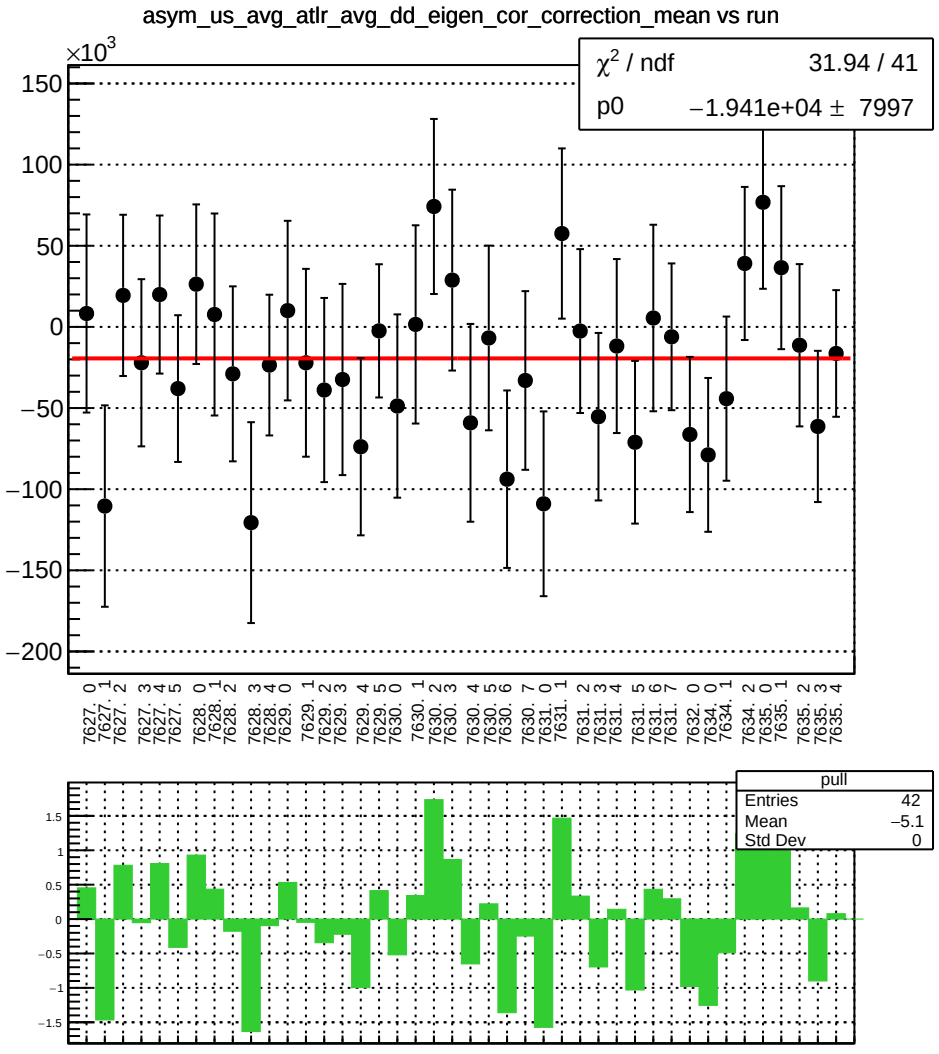

pull1D
Entries 42
Mean −0.01333
Std Dev 0.872
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

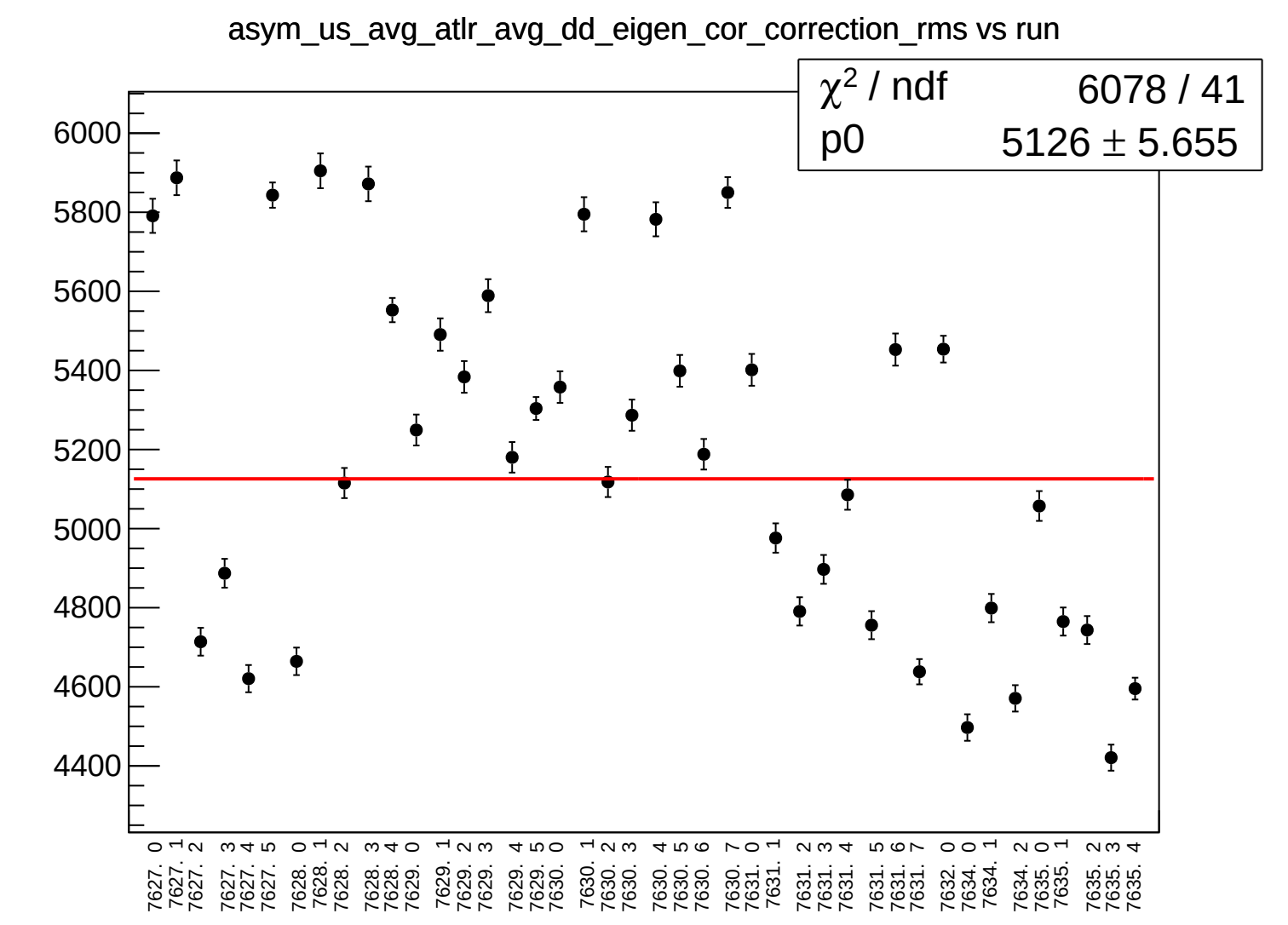

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 6078 / 41
p0 5126 ± 5.655
6000
5800
5600
5400
5200
5000
4800
4600
4400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

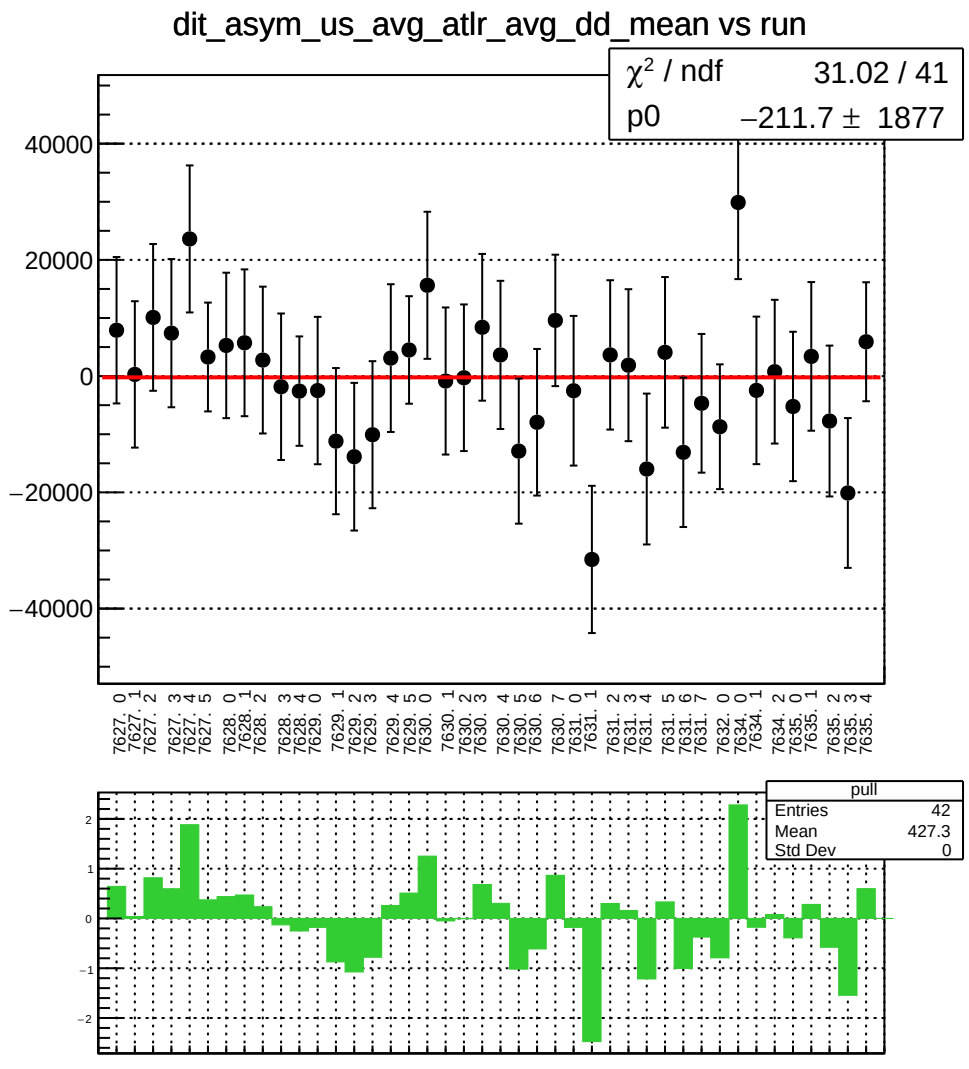

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 29.39 / 41
p0 251 ± 1868
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 454.8
Std Dev 0
2
1
0
−1
−2

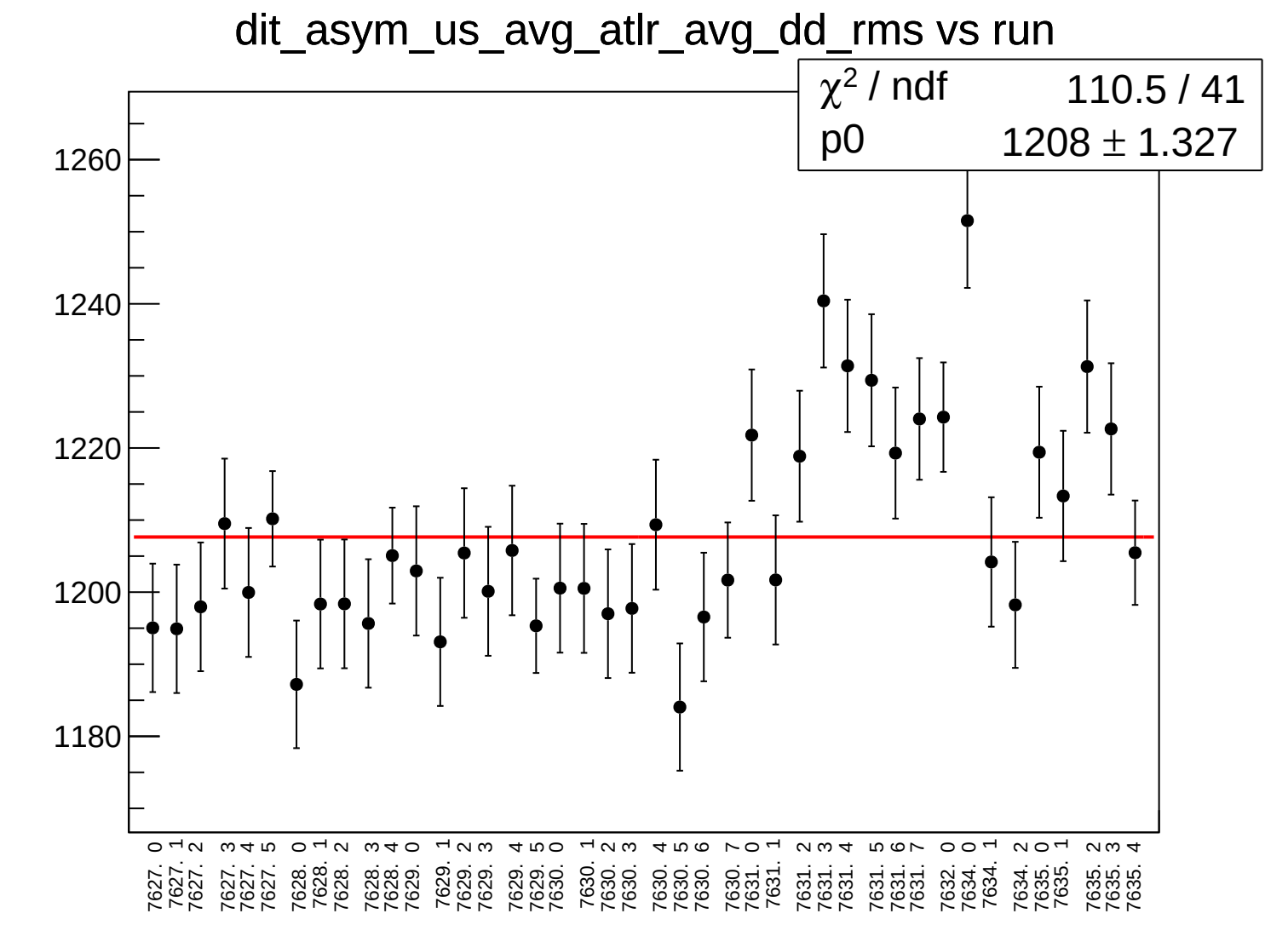

pull1D
Entries 42
Mean −0.006253
Std Dev 0.8365
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

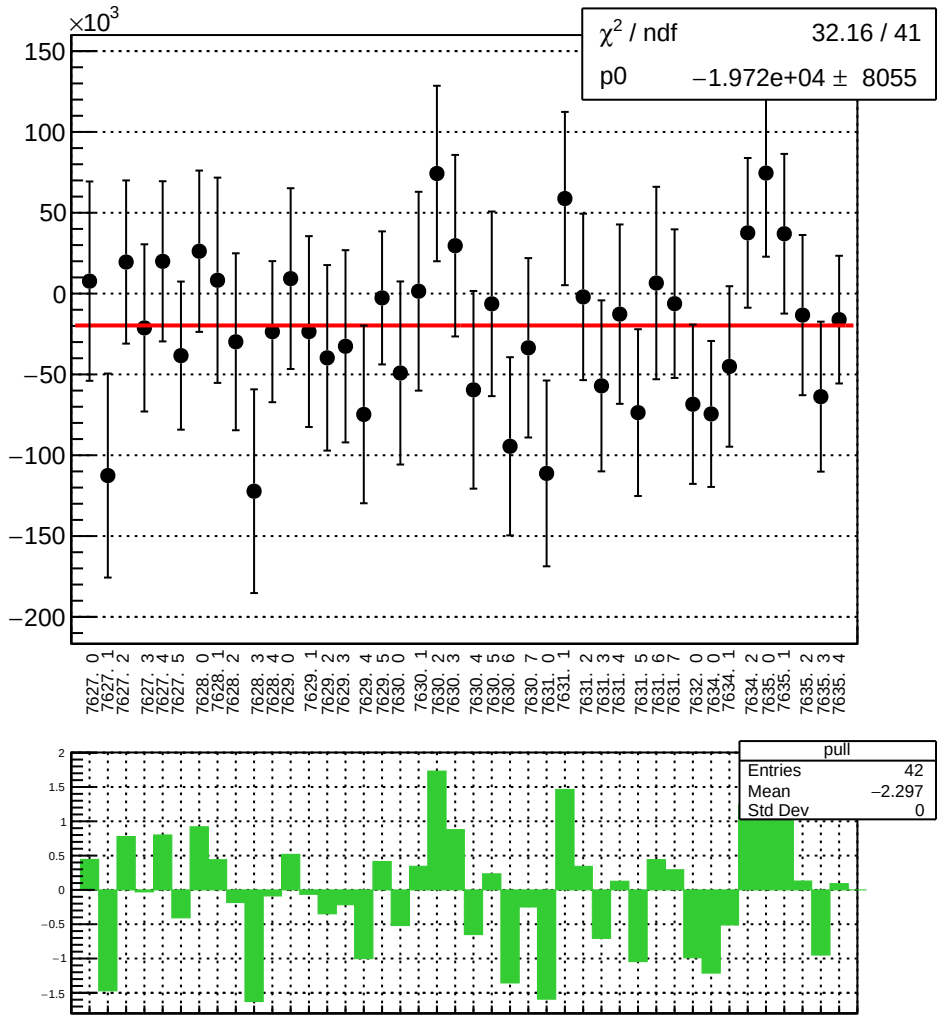

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 68.85 / 41
p0 1202 ± 1.321
1240
1230
1220
1210
1200
1190
1180
1170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

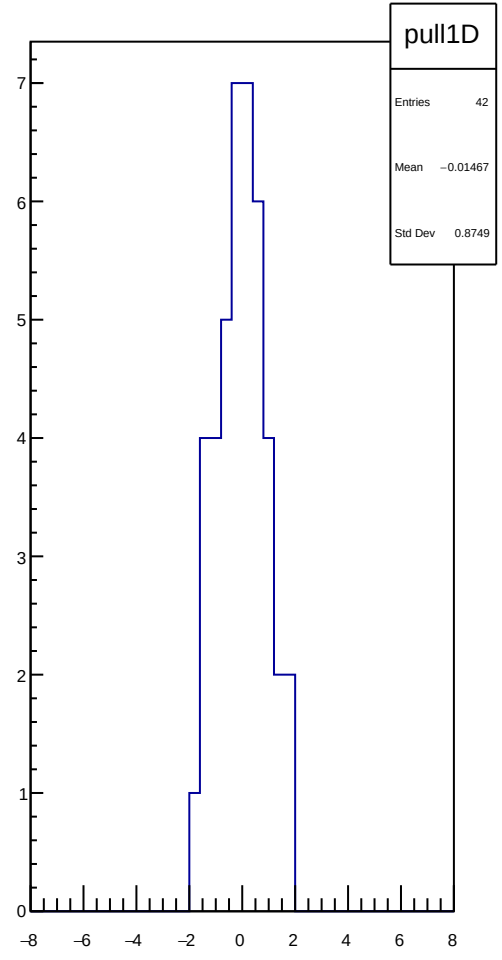

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.94 / 41
p0 −1.941e+04 ± 7997
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.01333
Std Dev 0.872
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

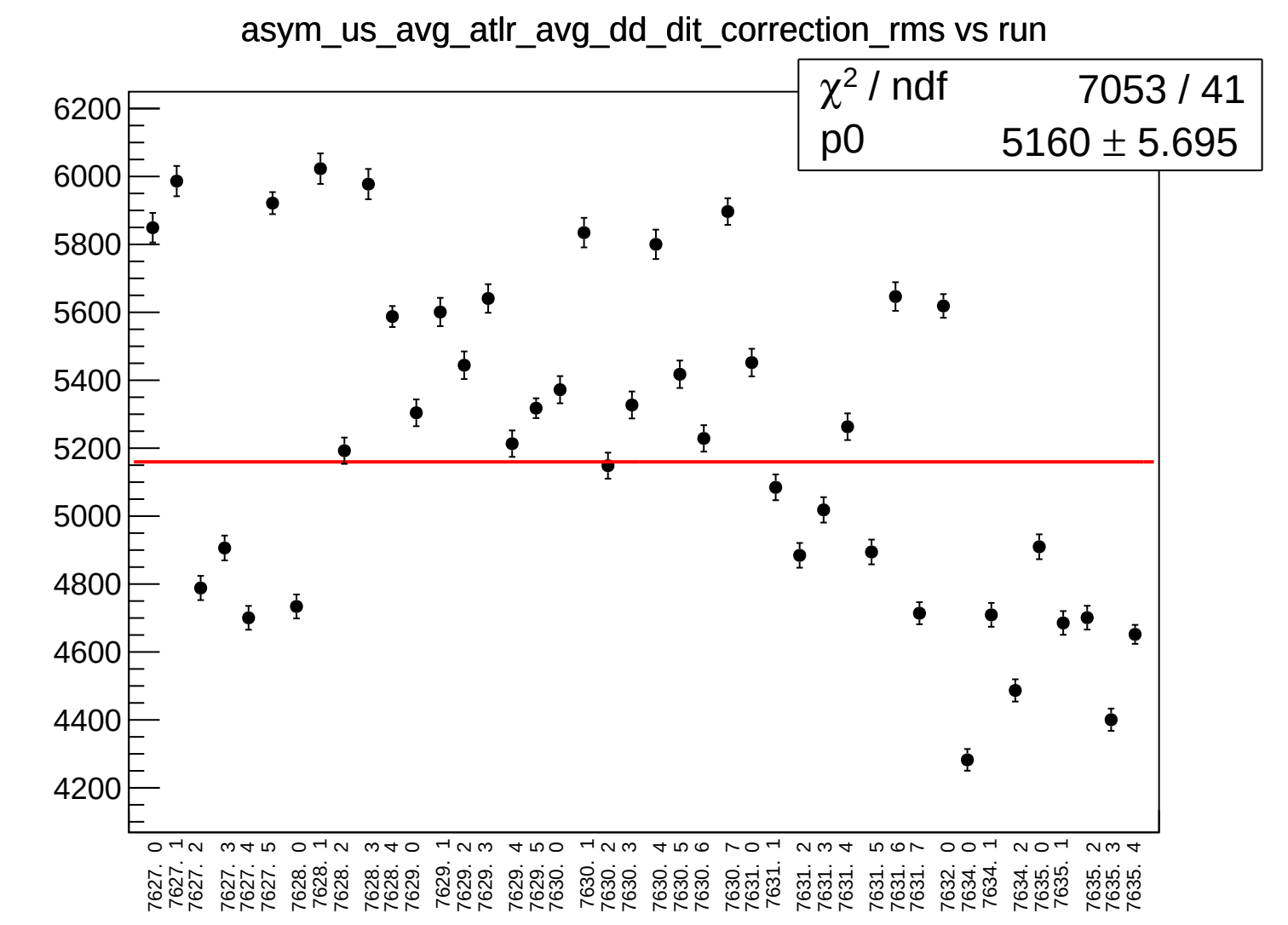

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 6078 / 41
p0 5126 ± 5.655
6000
5800
5600
5400
5200
5000
4800
4600
4400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

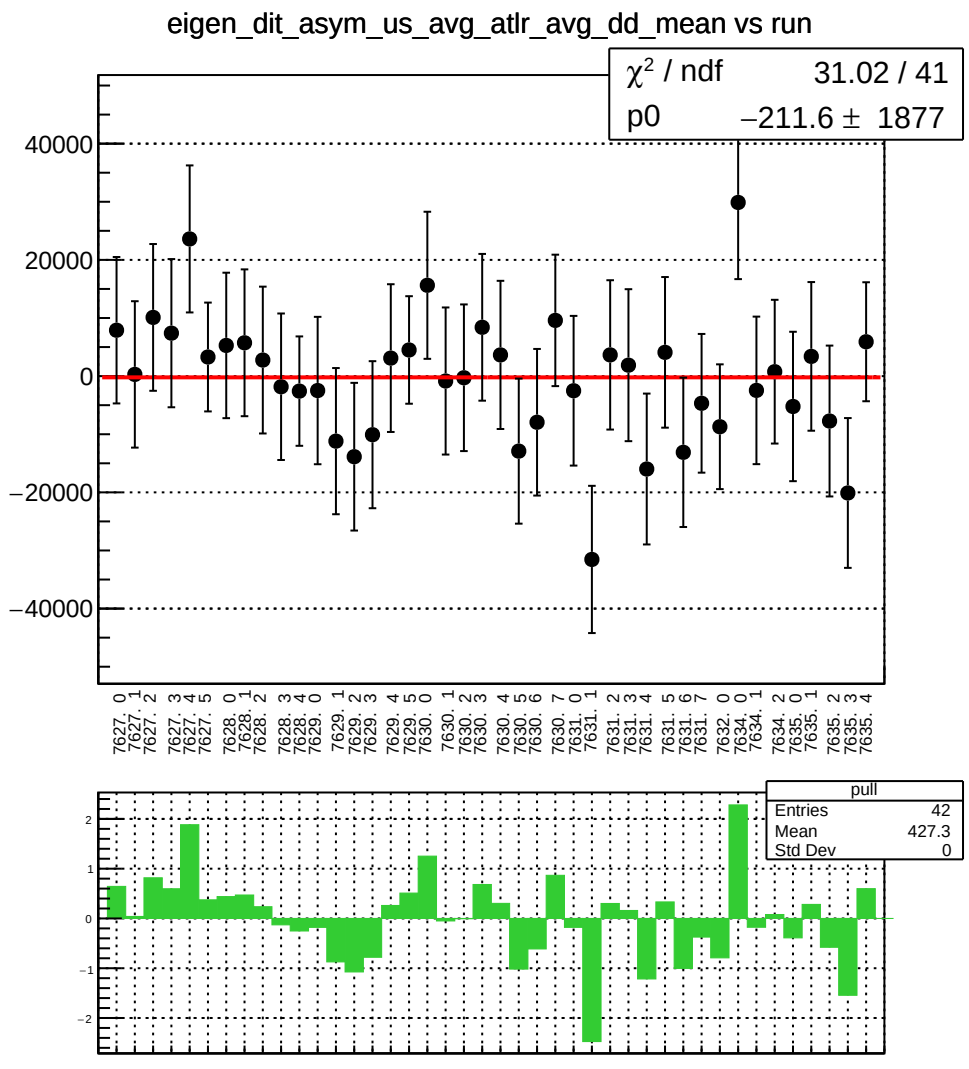

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 31.02 / 41
p0 −211.7 ± 1877
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 427.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.006892
Std Dev 0.8594
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

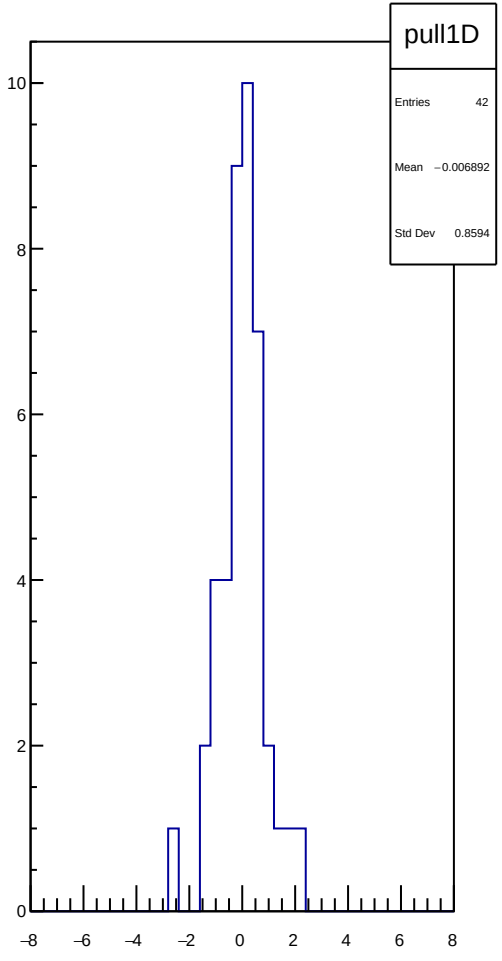

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 110.5 / 41
p0 1208 ± 1.327
1260
1240
1220
1200
1180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

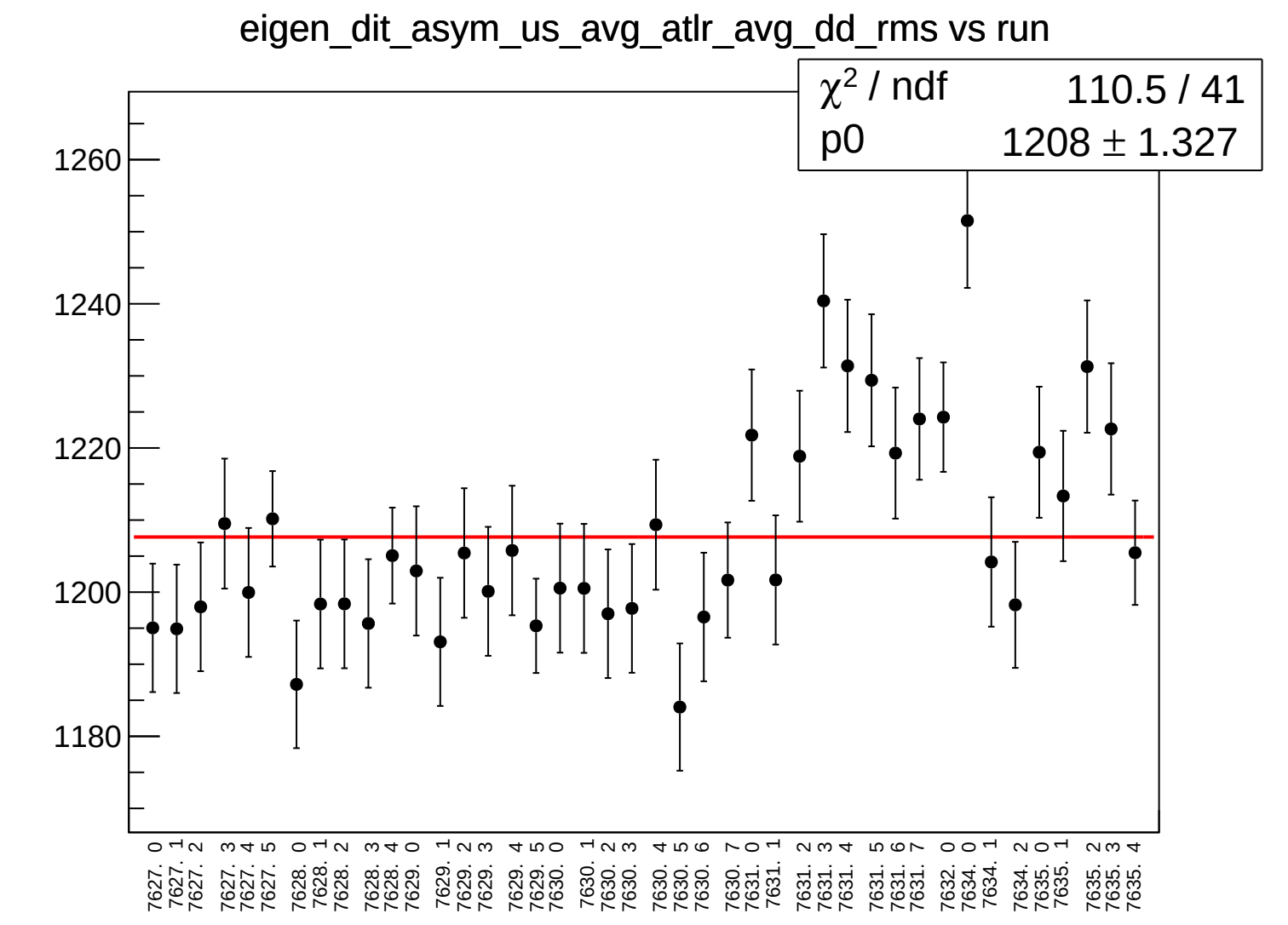

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 32.16 / 41
p0 −1.972e+04 ± 8055
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.297
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

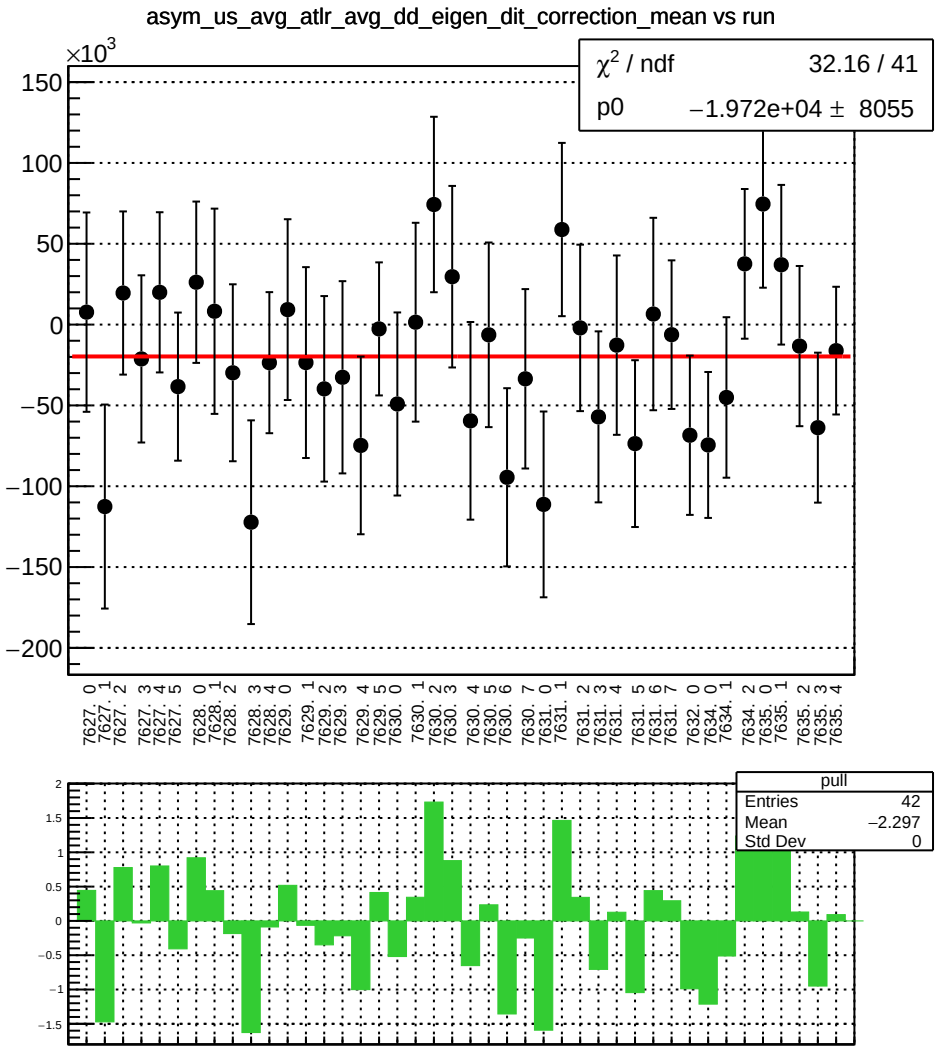

pull1D
Entries 42
Mean −0.01467
Std Dev 0.8749
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

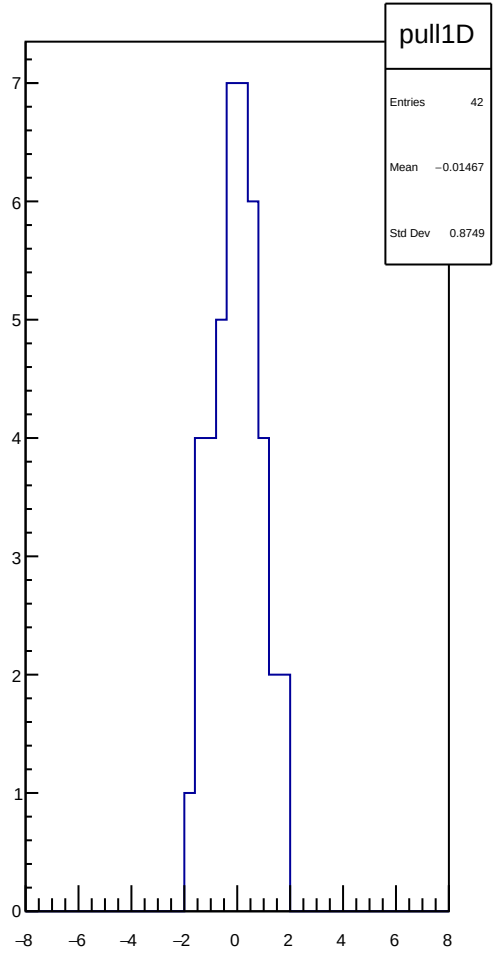

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 7053 / 41
p0 5160 ± 5.695
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

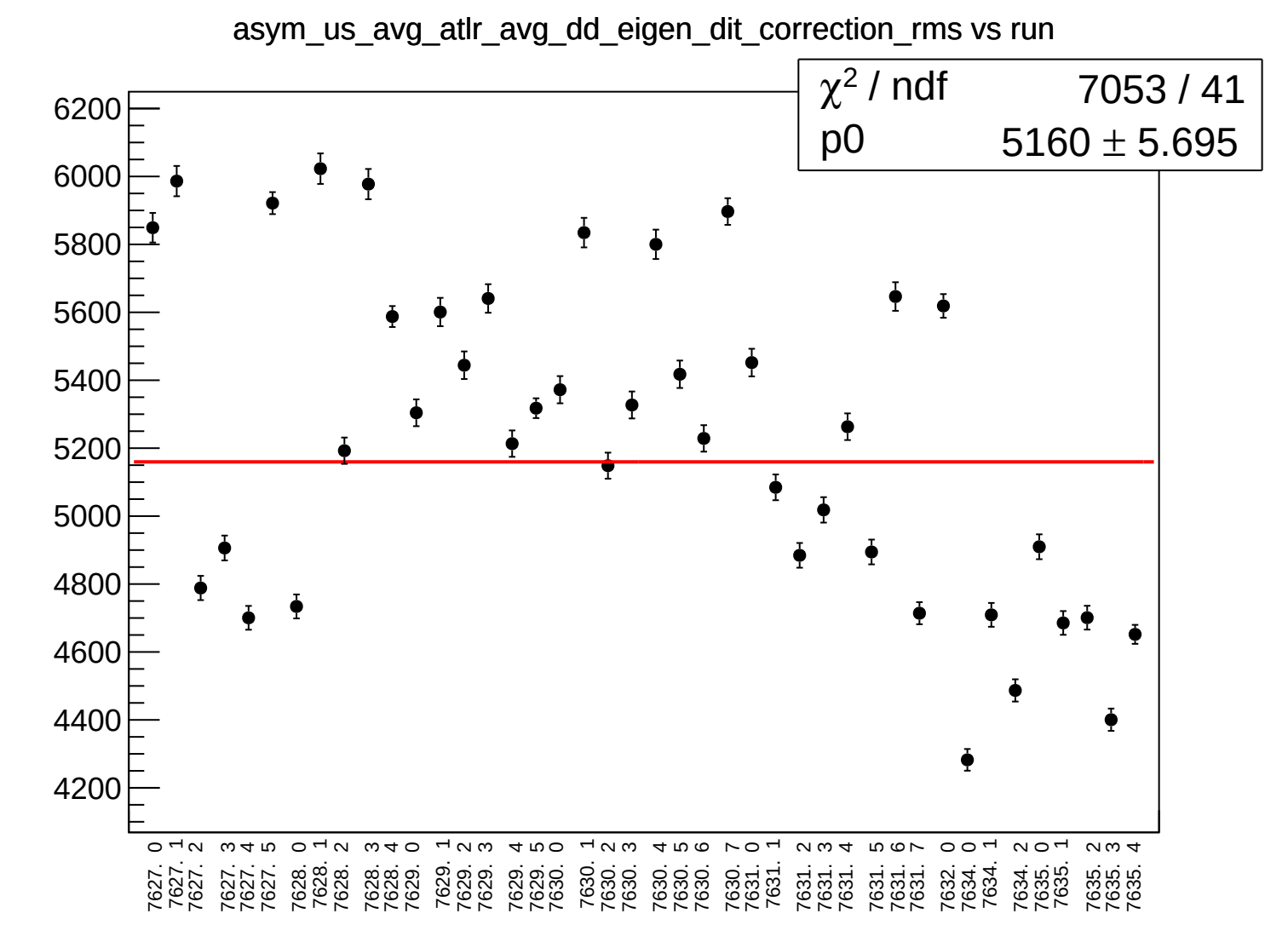

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 31.02 / 41
p0 −211.6 ± 1877
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 427.3
Std Dev 0
2
1
0
−1
−2

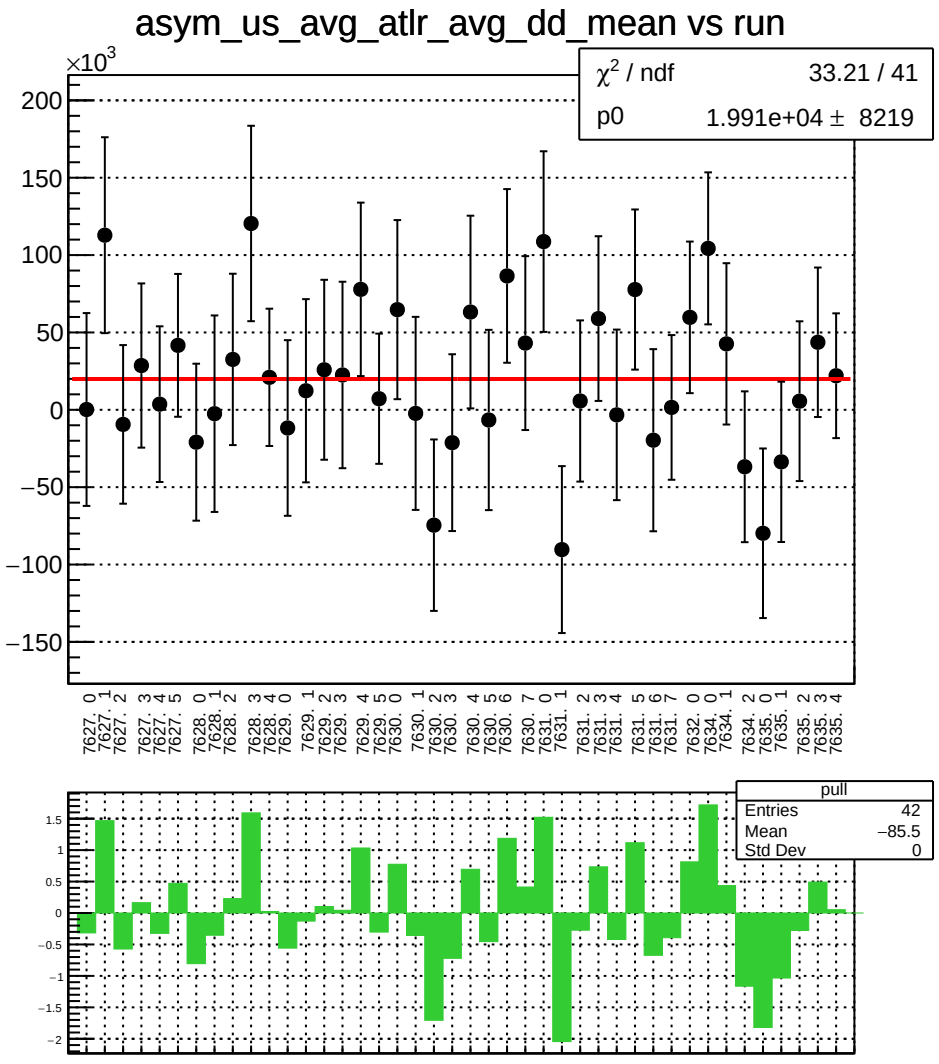

pull1D
Entries 42
Mean −0.006892
Std Dev 0.8594
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

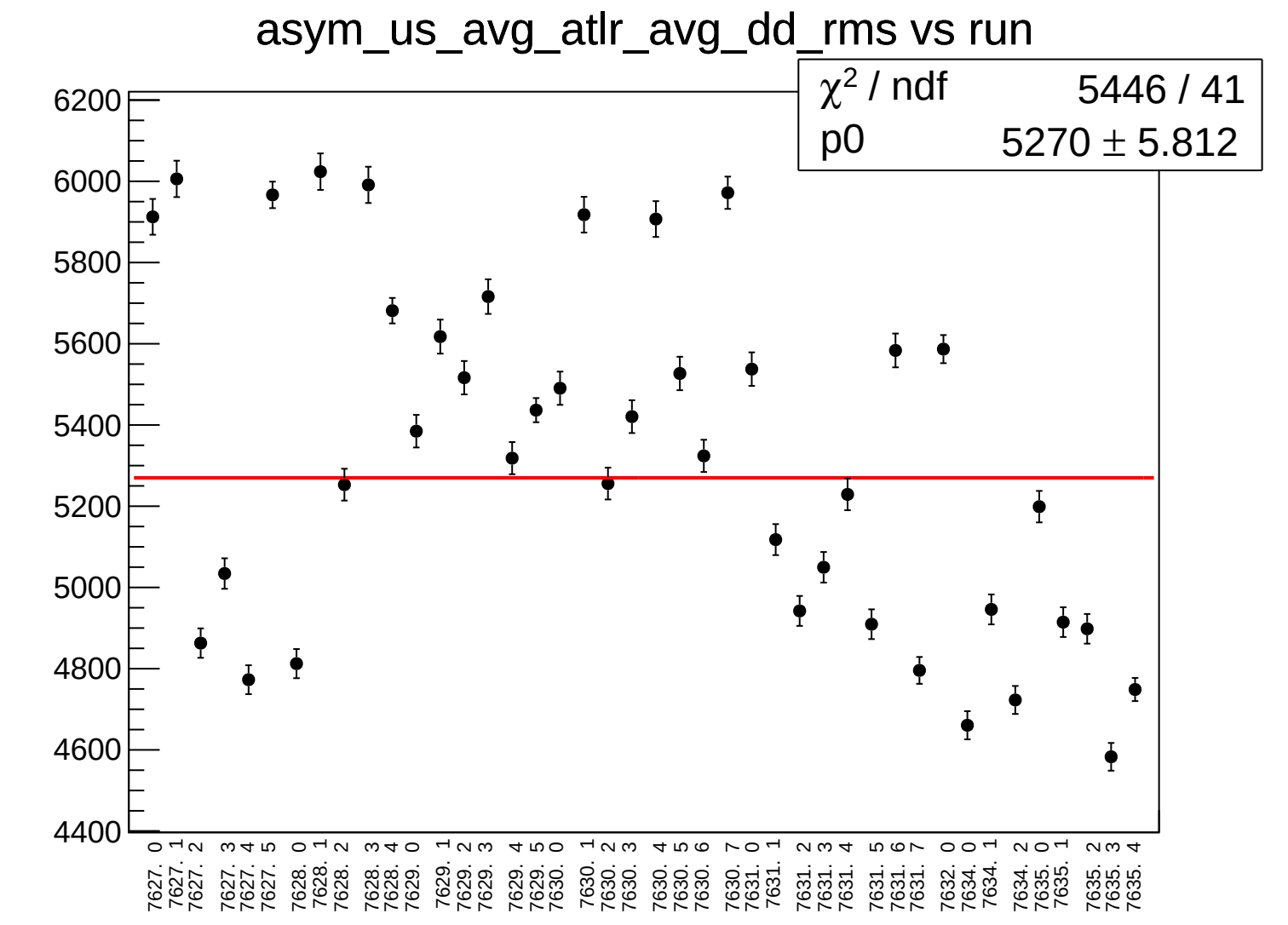

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ^2 / ndf 110.5 / 41
p0 1208 ± 1.327
1260
1240
1220
1200
1180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

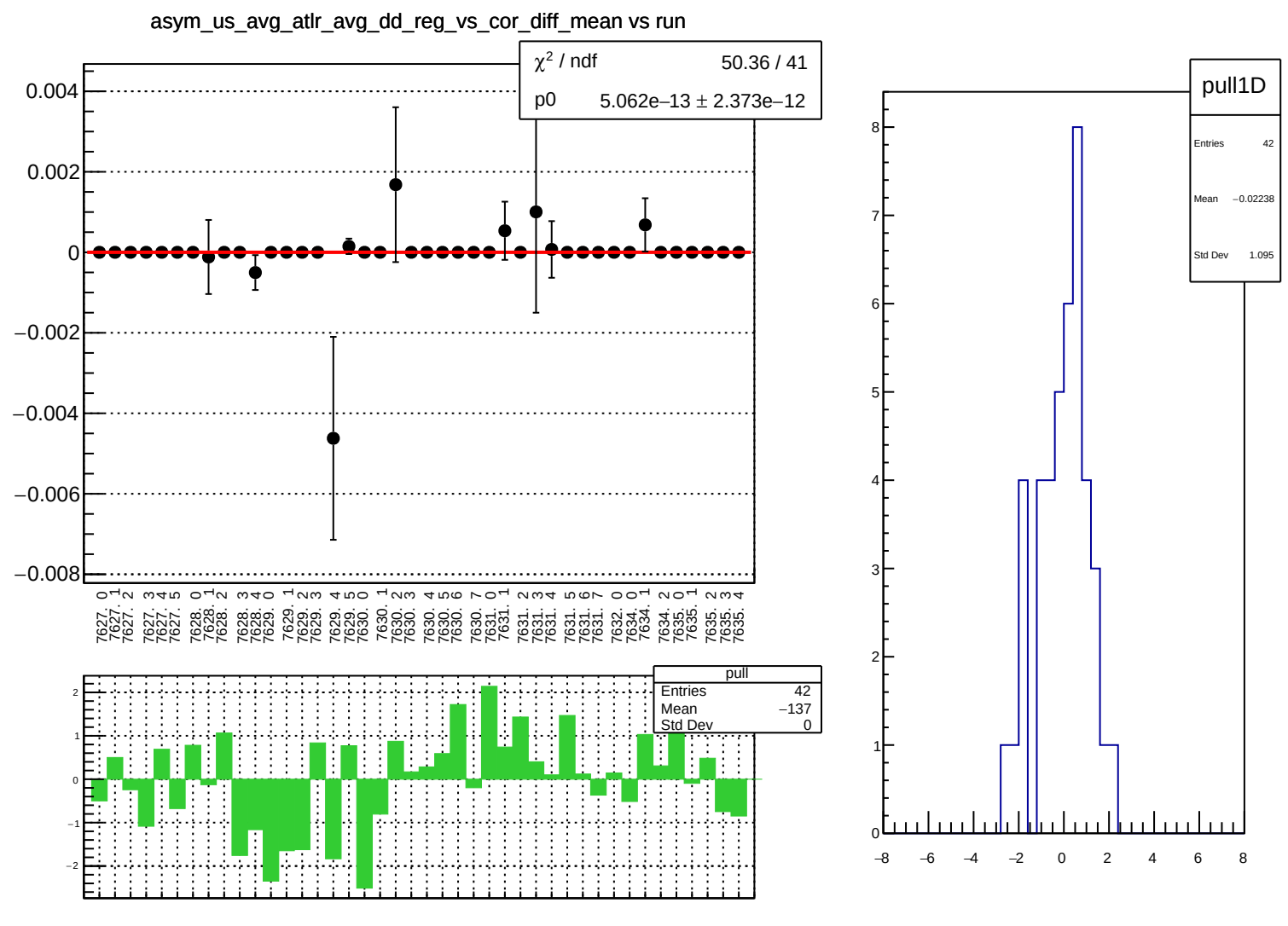

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 32.16 / 41
p0 −1.972e+04 ± 8055
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.297
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

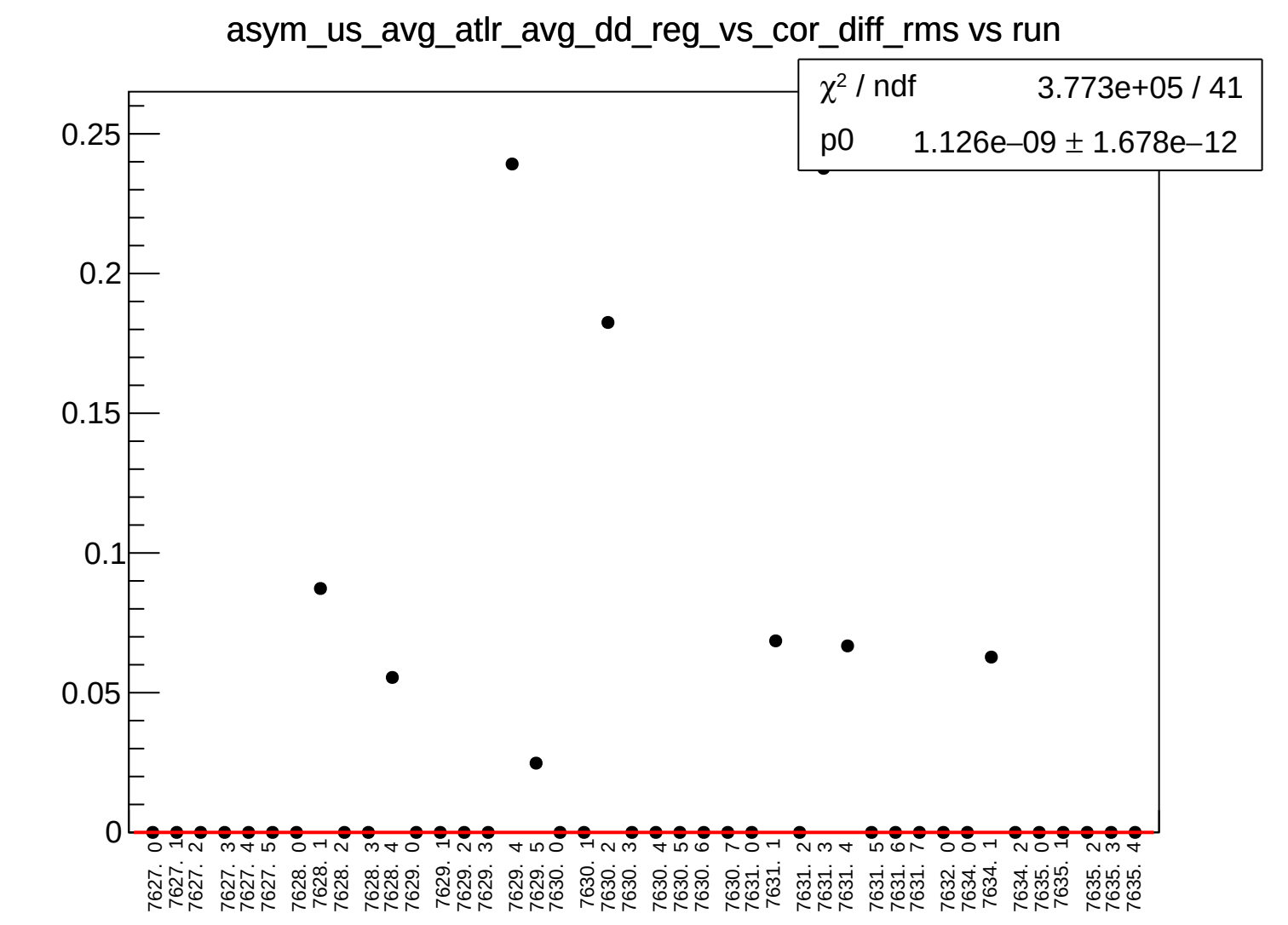

pull1D
Entries 42
Mean −0.01467
Std Dev 0.8749
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

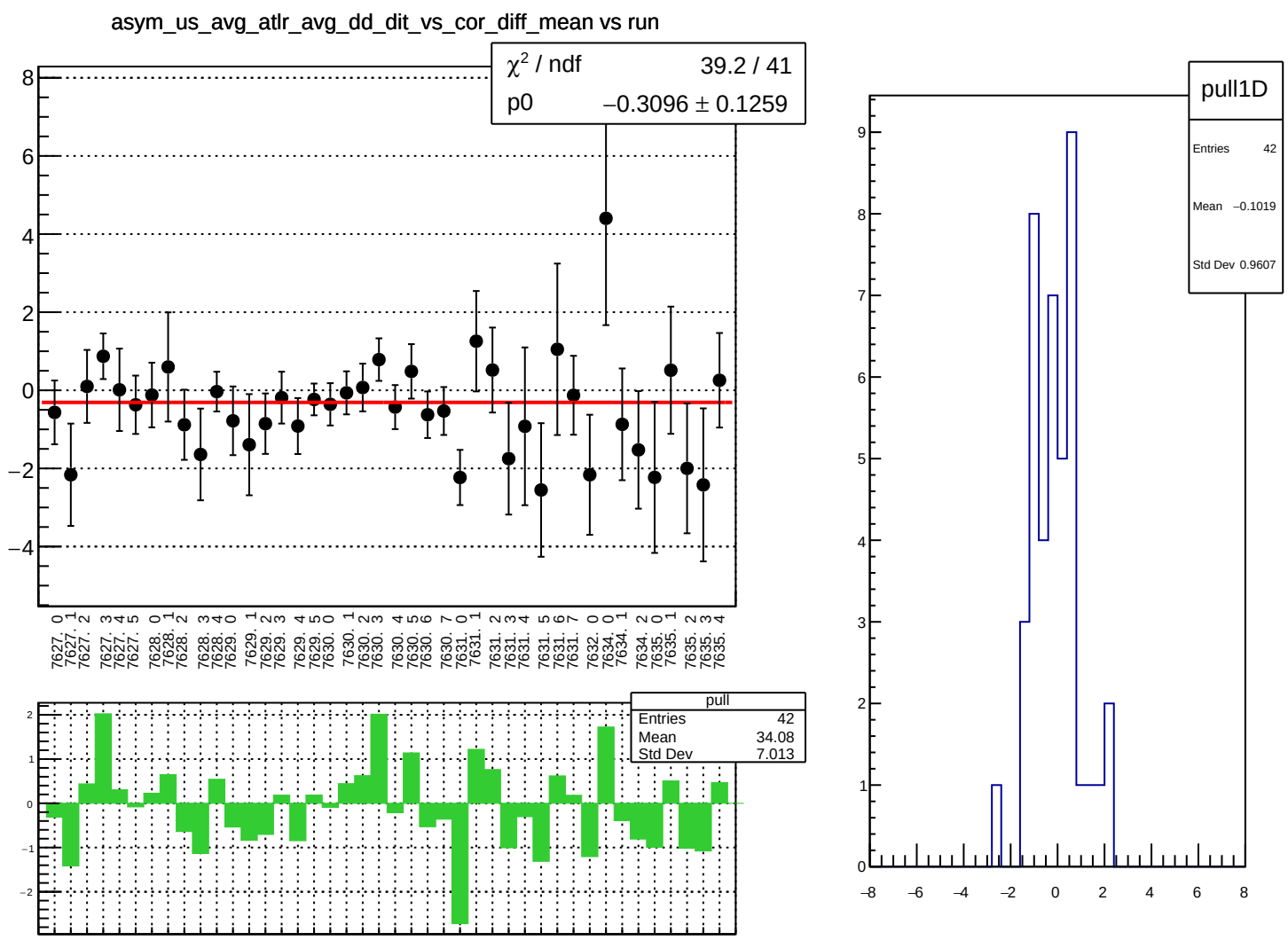

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7053 / 41
p0 5160 ± 5.695
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

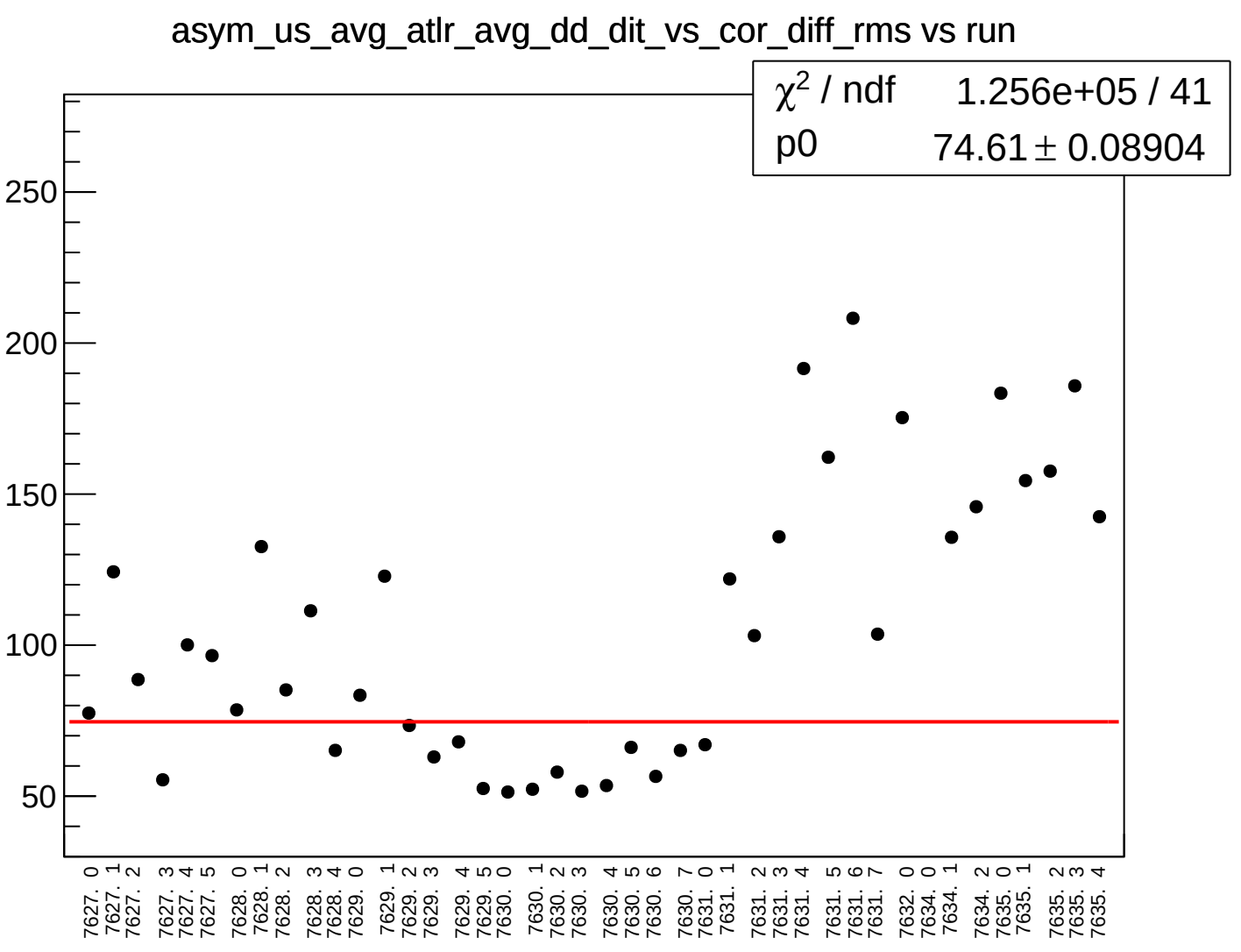

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 33.21 / 41
p0 1.991e+04 ± 8219
200
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −85.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.009237
Std Dev 0.8892
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

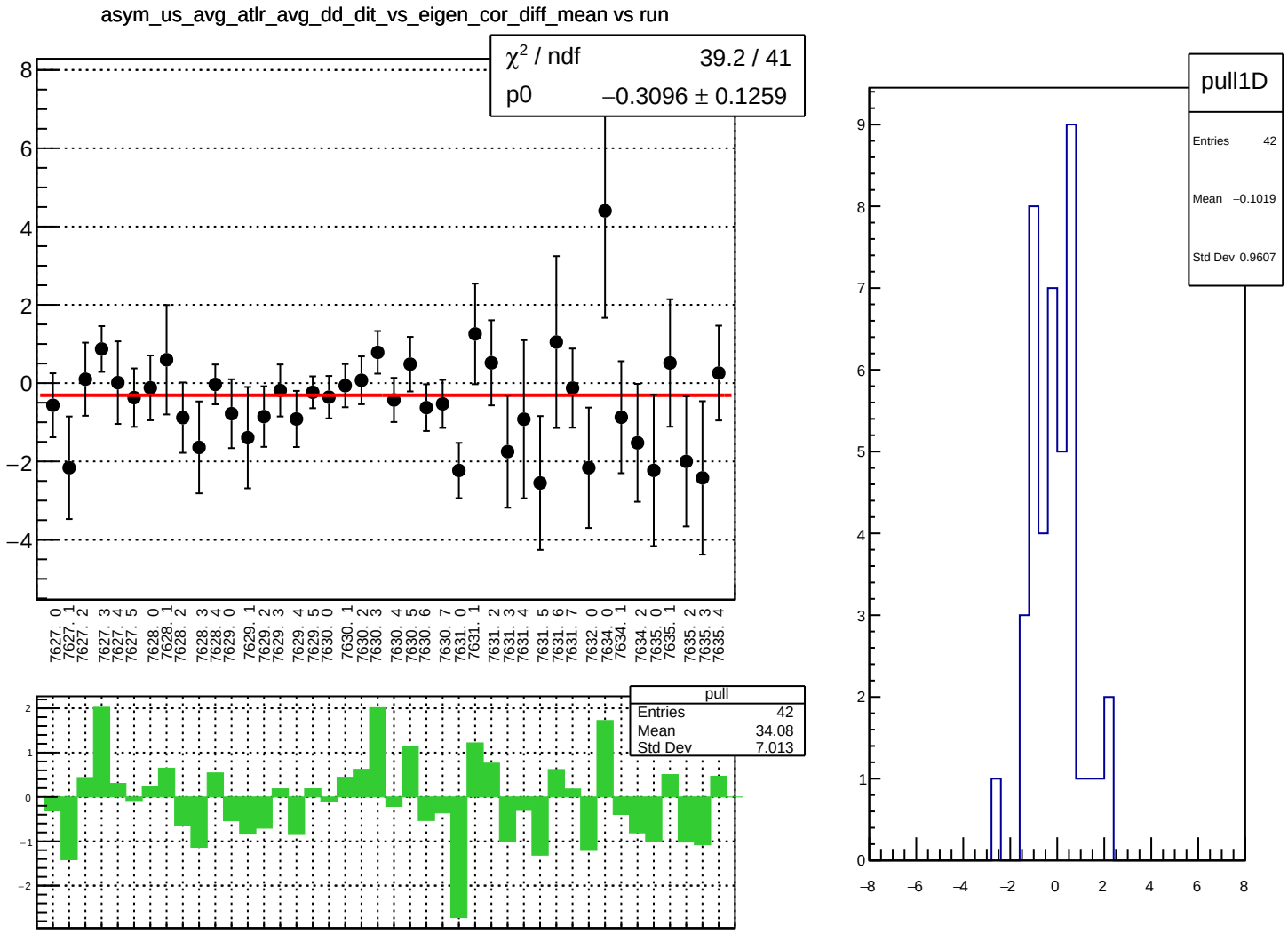

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 5446 / 41
p0 5270 ± 5.812
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

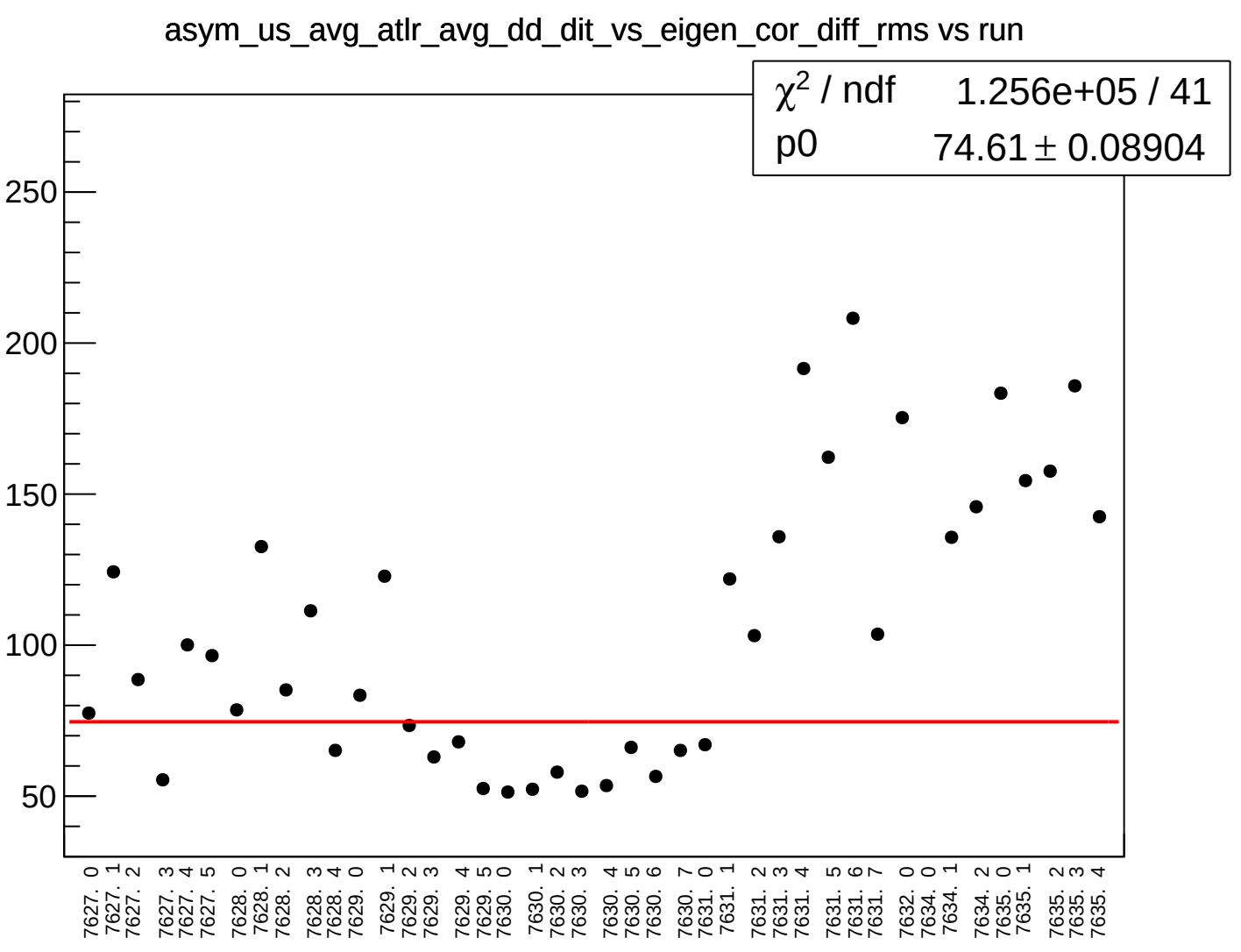

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.36 / 41
p0 5.062e−13 ± 2.373e−12
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −137
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.02238
Std Dev 1.095
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

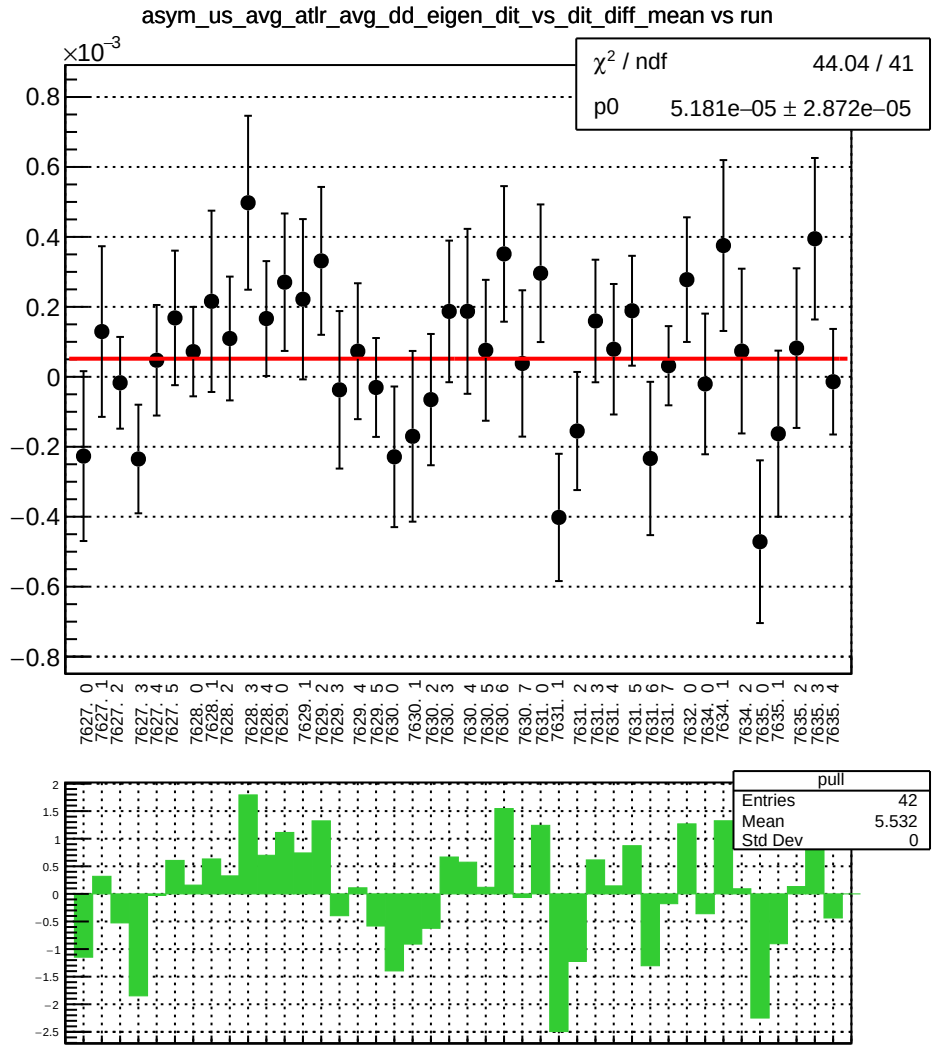

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.773e+05 / 41
p0 1.126e−09 ± 1.678e−12
0.25
0.2
0.15
0.1
0.05
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

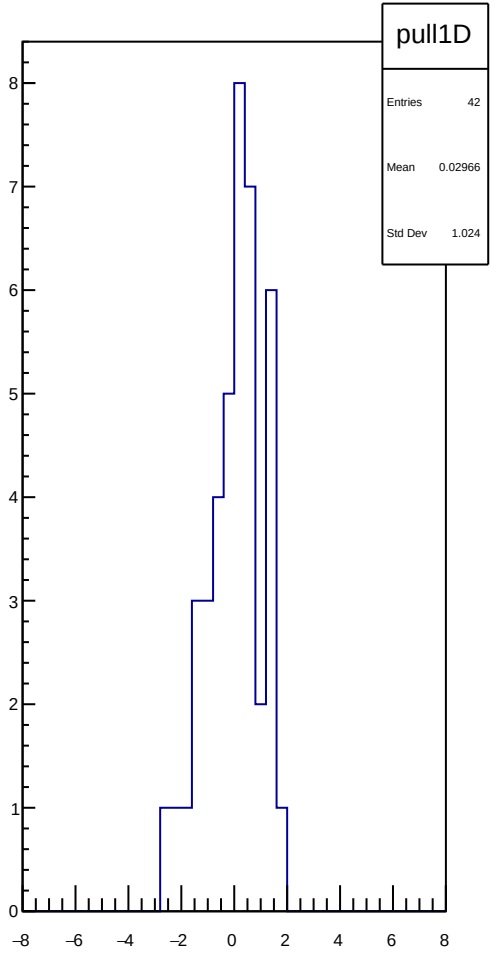

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.2 / 41
p0 −0.3096 ± 0.1259
pull
Entries 42
Mean 34.08
Std Dev 7.013
pull1D
Entries 42
Mean −0.1019
Std Dev 0.9607

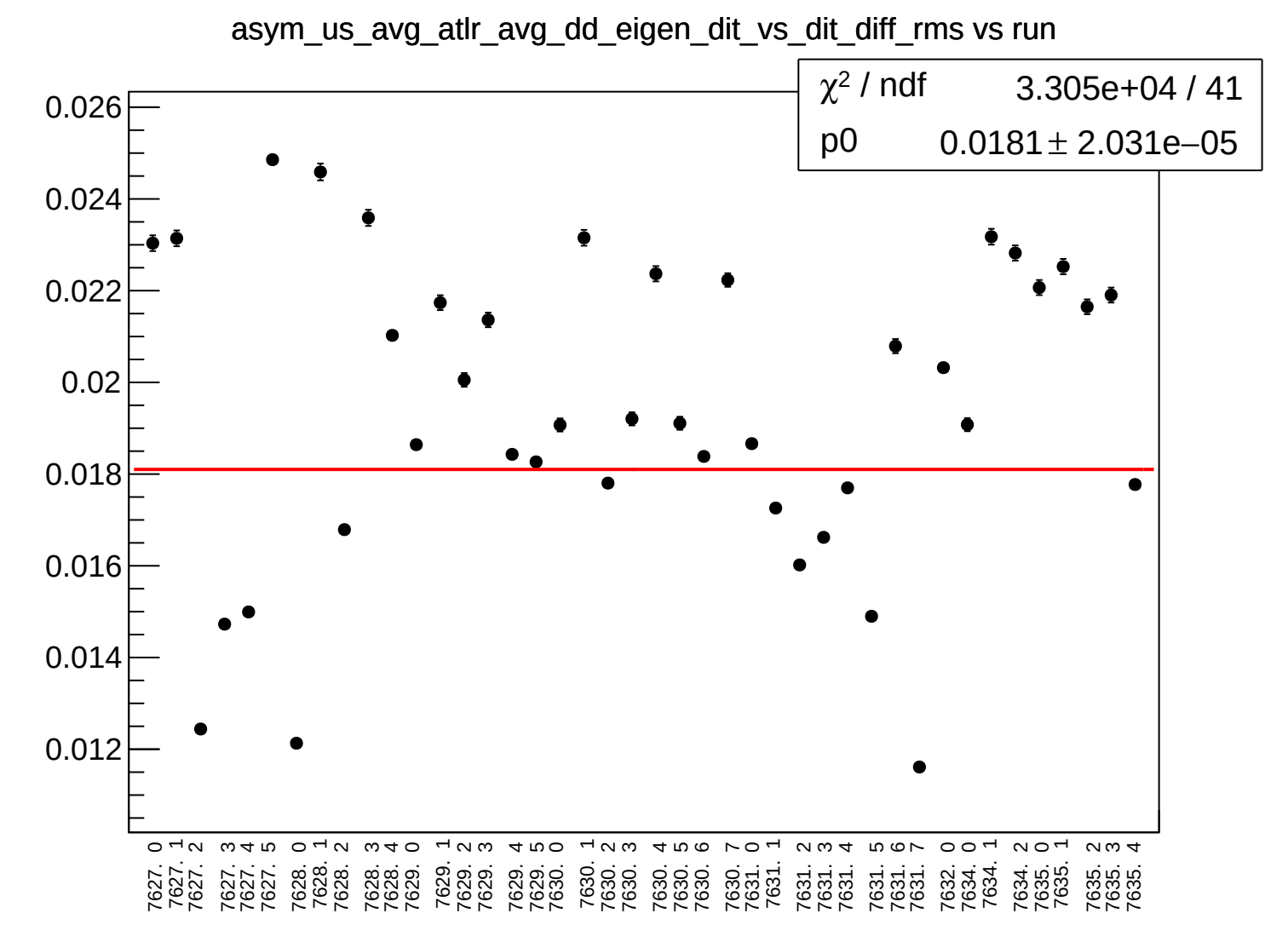

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.256e+05 / 41
p0 74.61 ± 0.08904
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

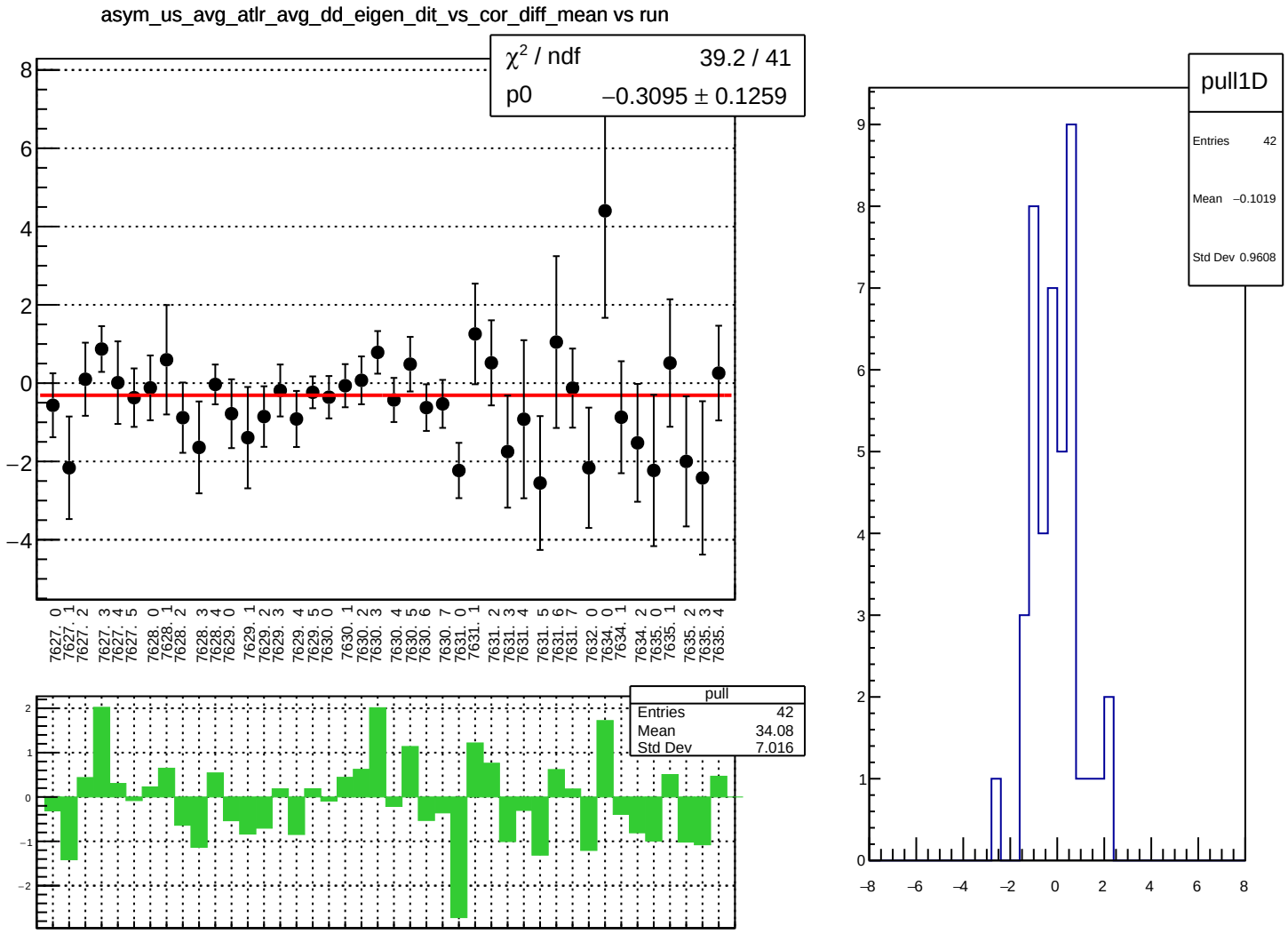

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.2 / 41
p0 −0.3096 ± 0.1259
pull
Entries 42
Mean 34.08
Std Dev 7.013
pull1D
Entries 42
Mean −0.1019
Std Dev 0.9607

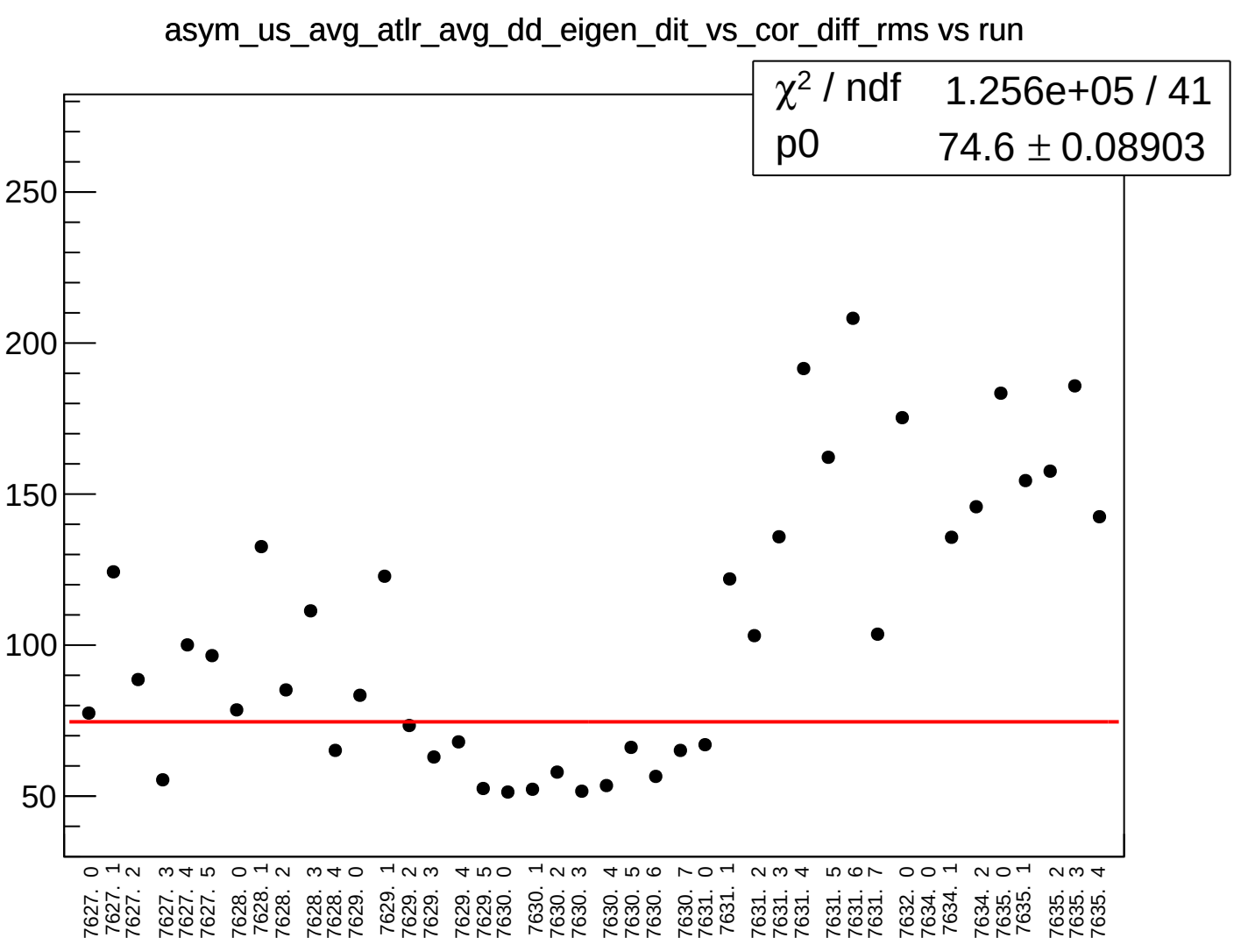

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.256e+05 / 41
p0 74.61 ± 0.08904
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

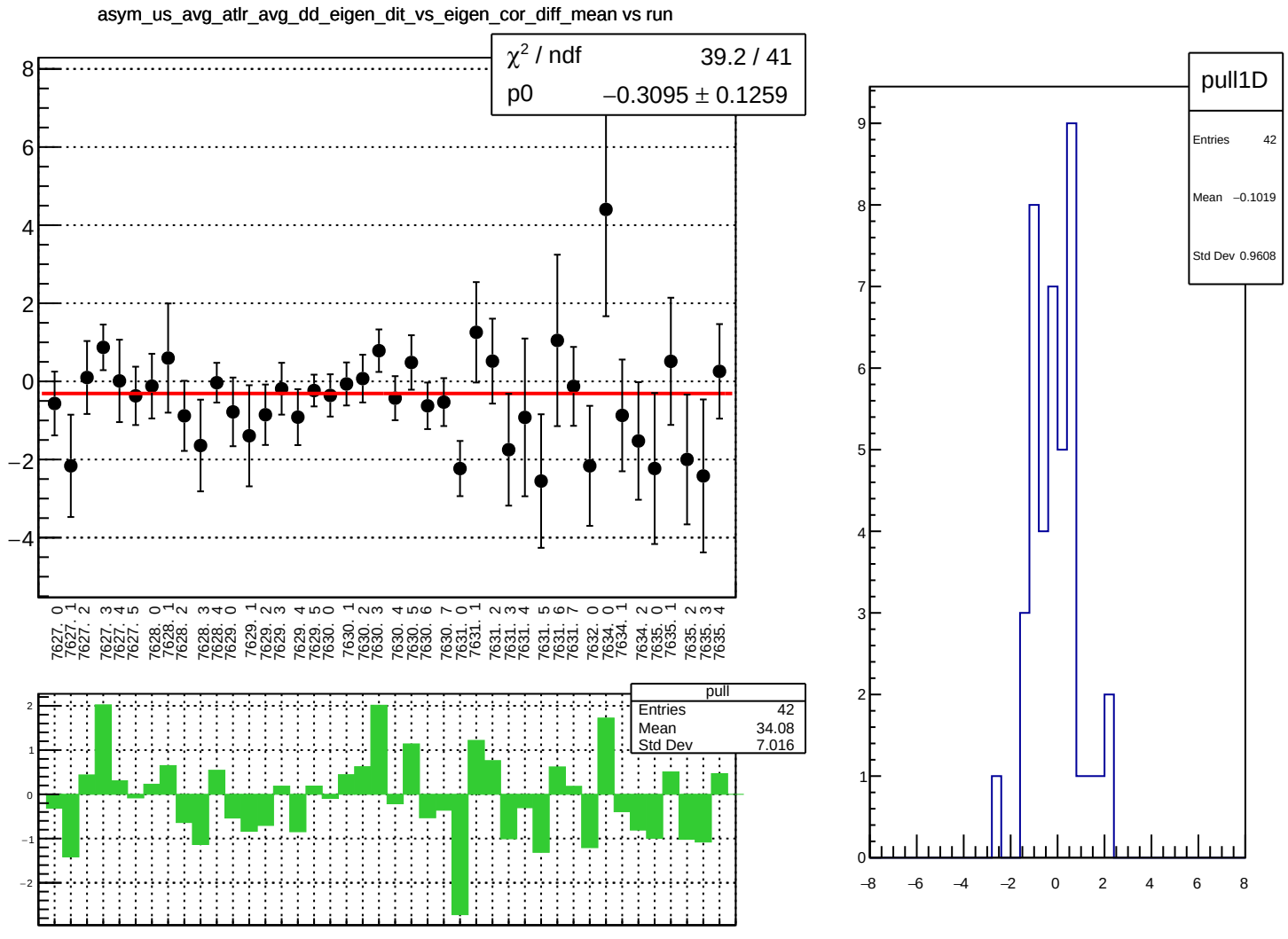

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.04 / 41
p0 5.181e−05 ± 2.872e−05
pull
Entries 42
Mean 5.532
Std Dev 0

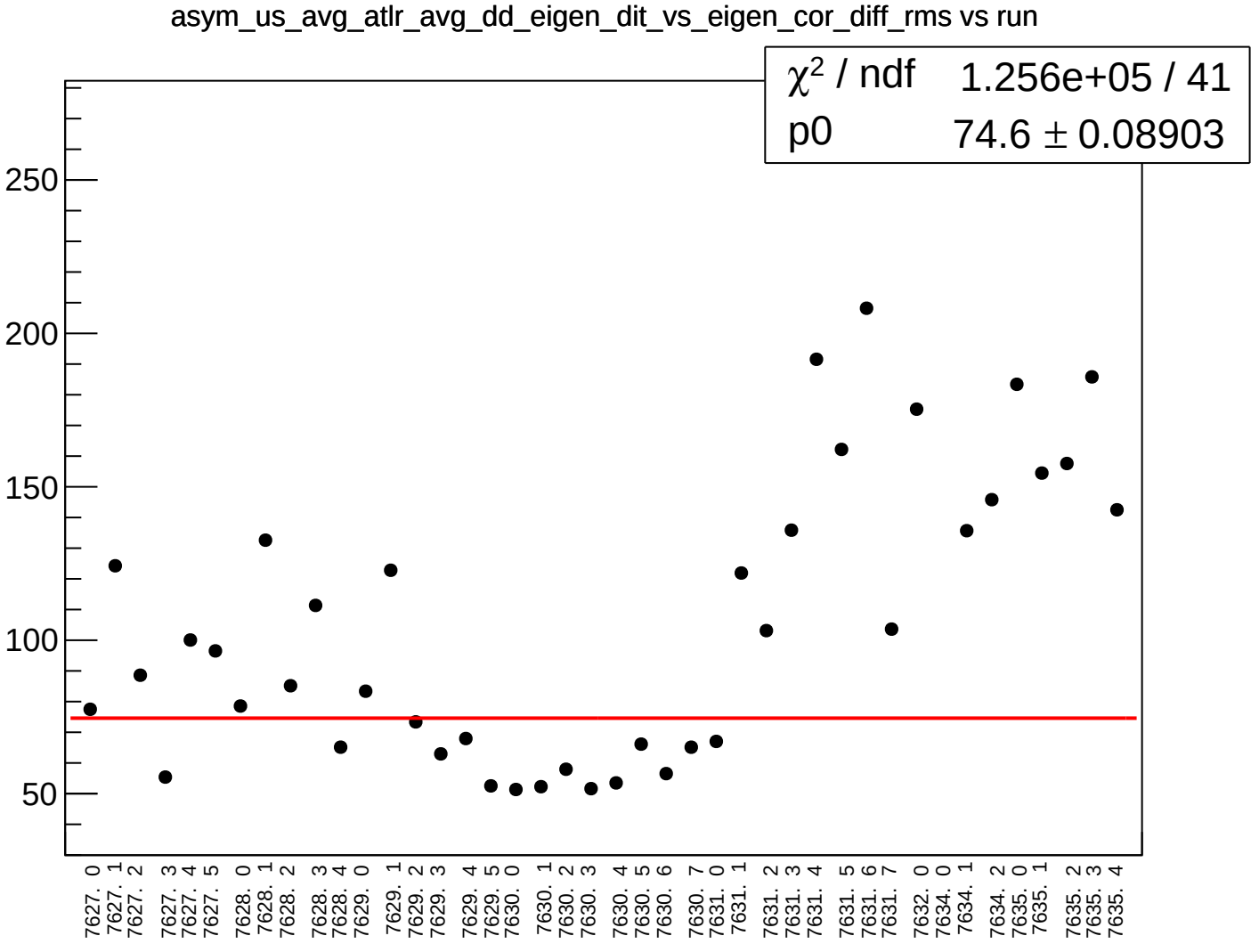

pull1D
Entries 42
Mean 0.02966
Std Dev 1.024

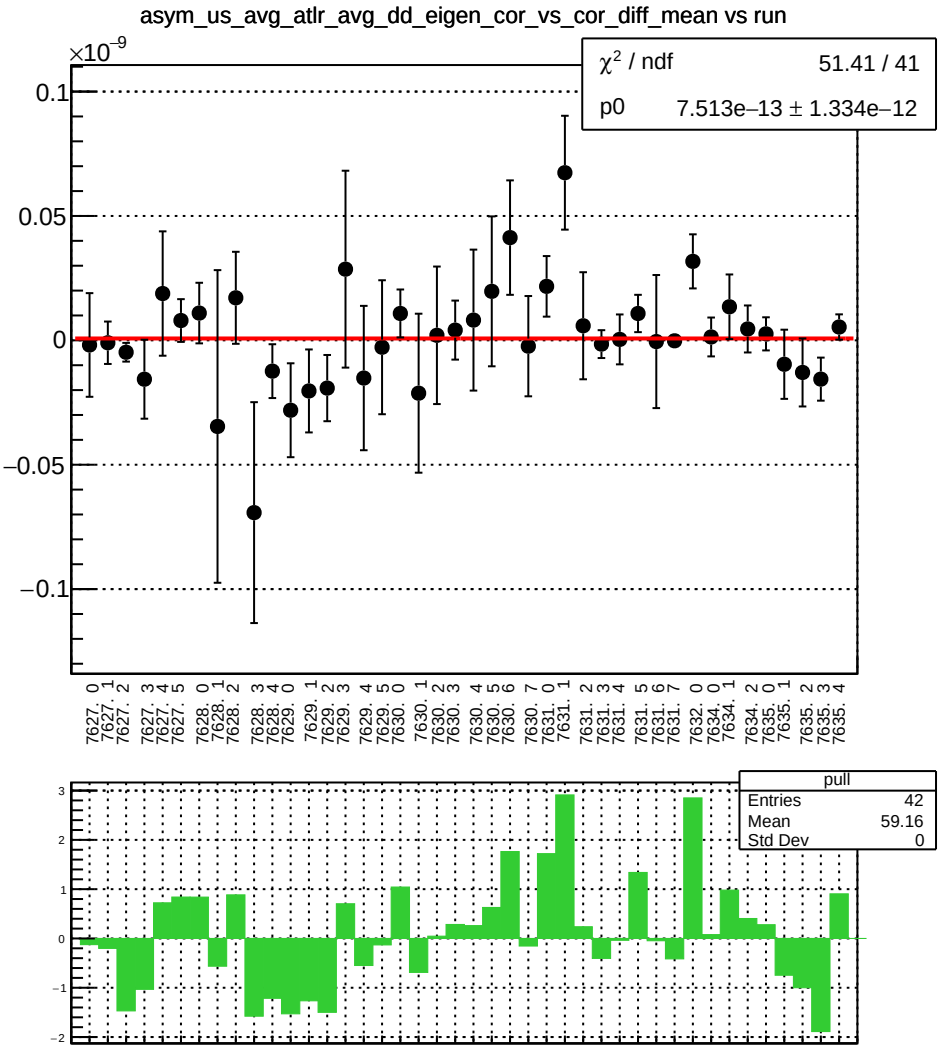

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.305e+04 / 41
p0 0.0181 ± 2.031e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

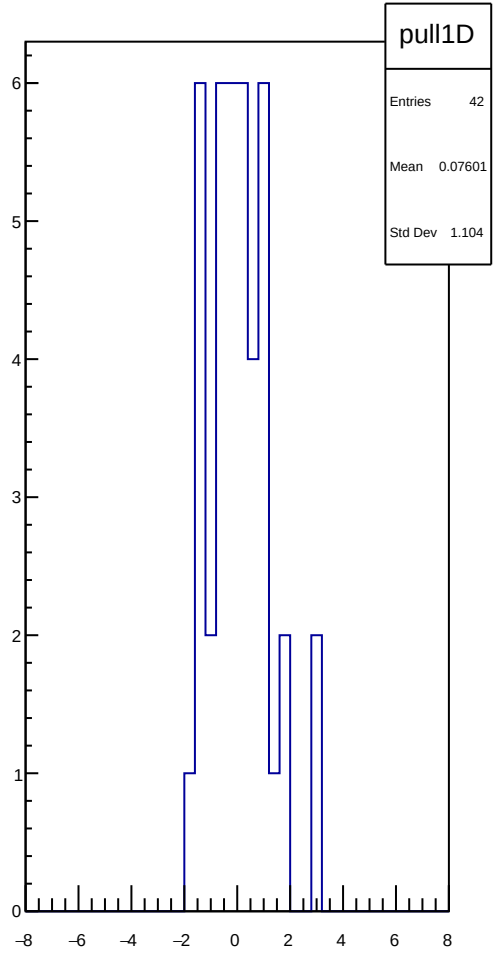

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.2 / 41
p0 −0.3095 ± 0.1259
pull
Entries 42
Mean 34.08
Std Dev 7.016
pull1D
Entries 42
Mean −0.1019
Std Dev 0.9608


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.256e+05 / 41
p0 74.6 ± 0.08903
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.2 / 41
p0 −0.3095 ± 0.1259
pull
Entries 42
Mean 34.08
Std Dev 7.016
pull1D
Entries 42
Mean −0.1019
Std Dev 0.9608


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.256e+05 / 41
p0 74.6 ± 0.08903
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 51.41 / 41
p0 7.513e−13 ± 1.334e−12
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 59.16
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.07601
Std Dev 1.104
6
5
4
3
2
1
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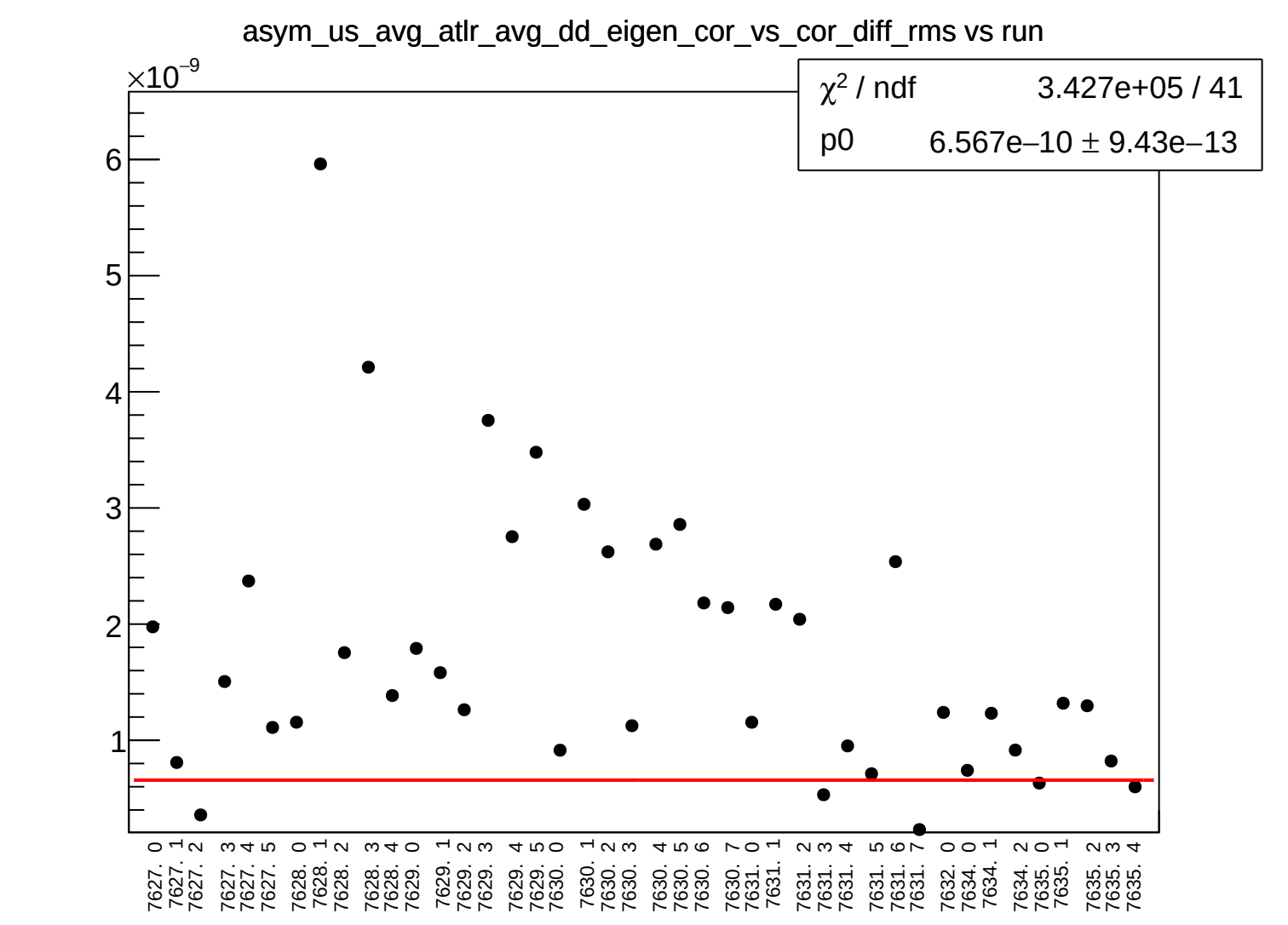
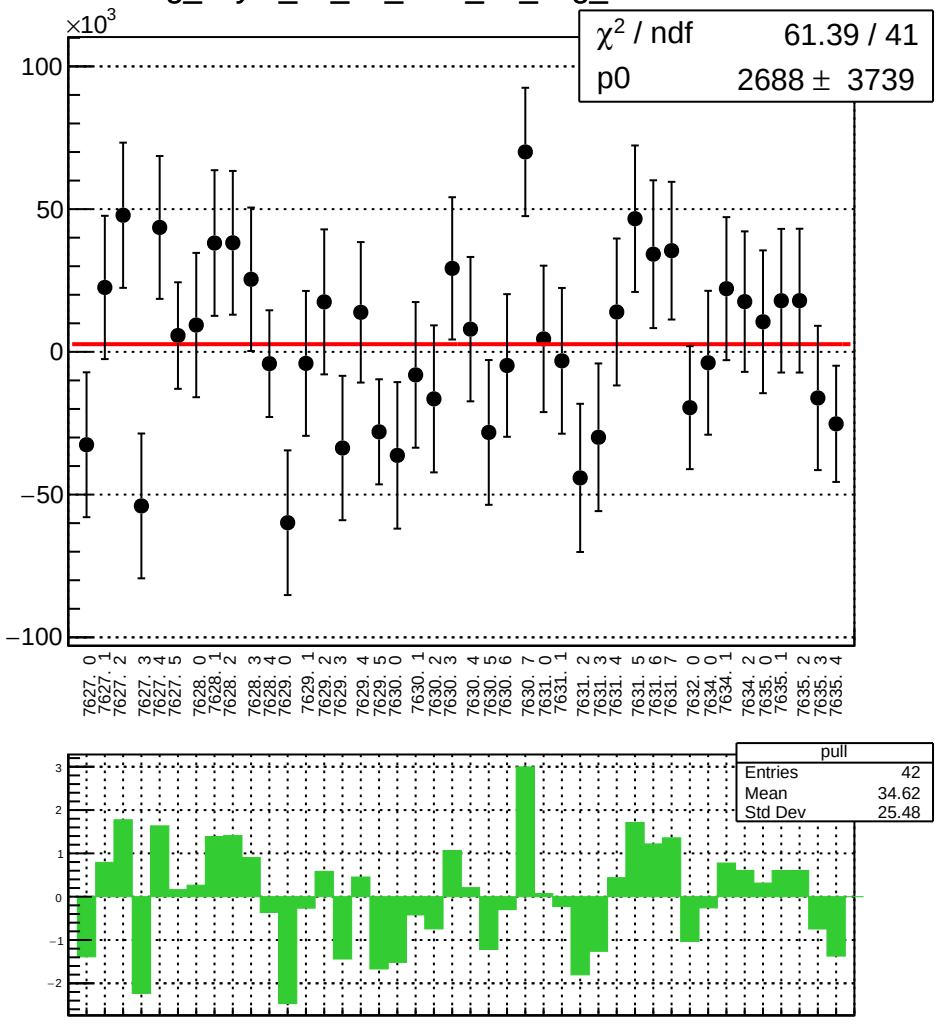
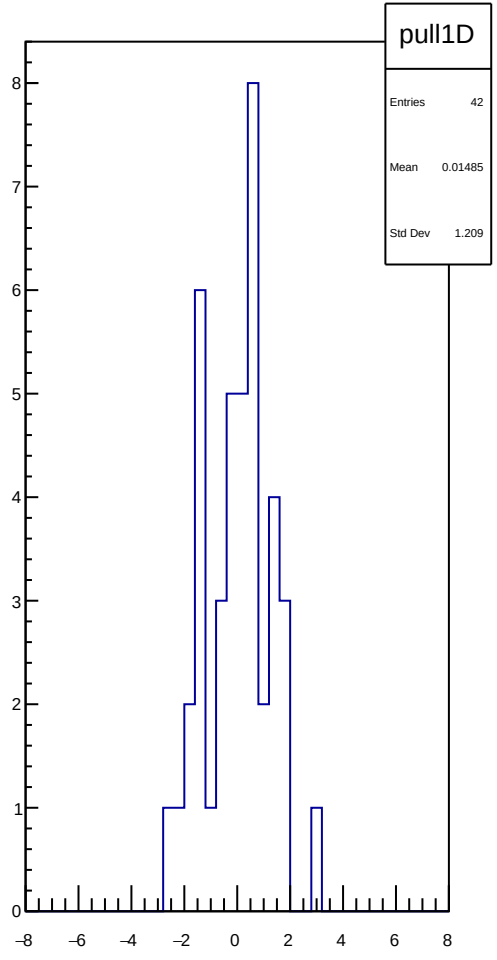
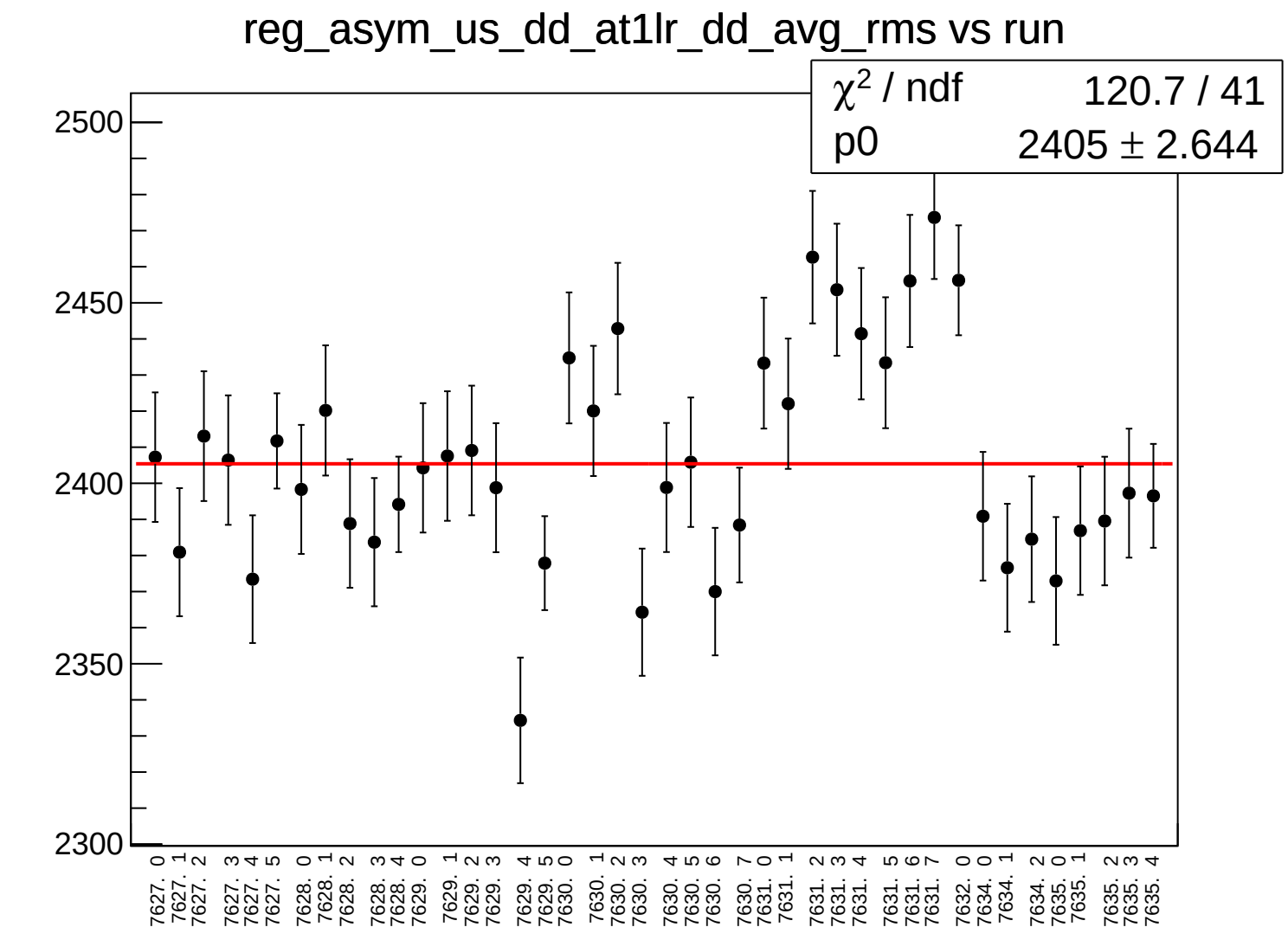
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.427e+05 / 41
p0 6.567e−10 ± 9.43e−13
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


reg_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 61.39 / 41
p0 2688 ± 3739
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.62
Std Dev 25.48
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.01485
Std Dev 1.209
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 120.7 / 41
p0 2405 ± 2.644
2500
2450
2400
2350
2300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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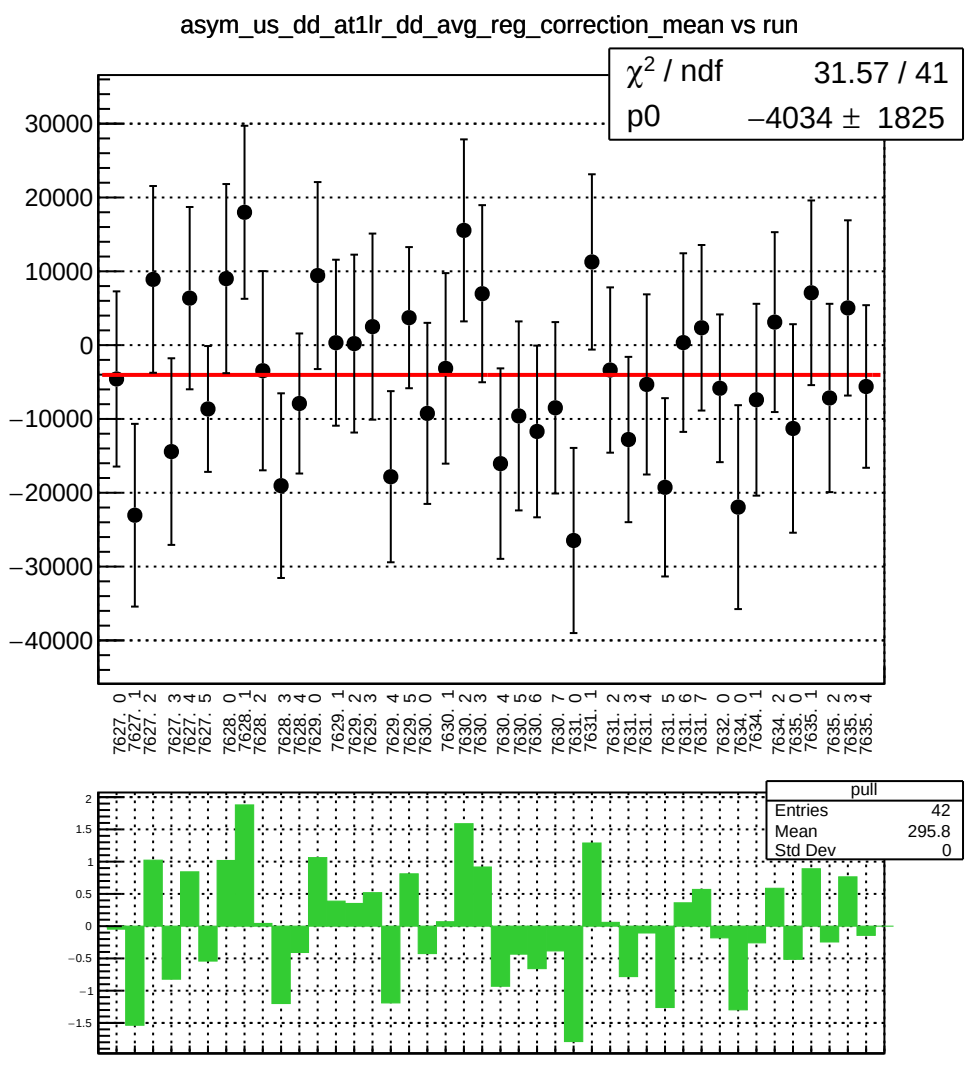
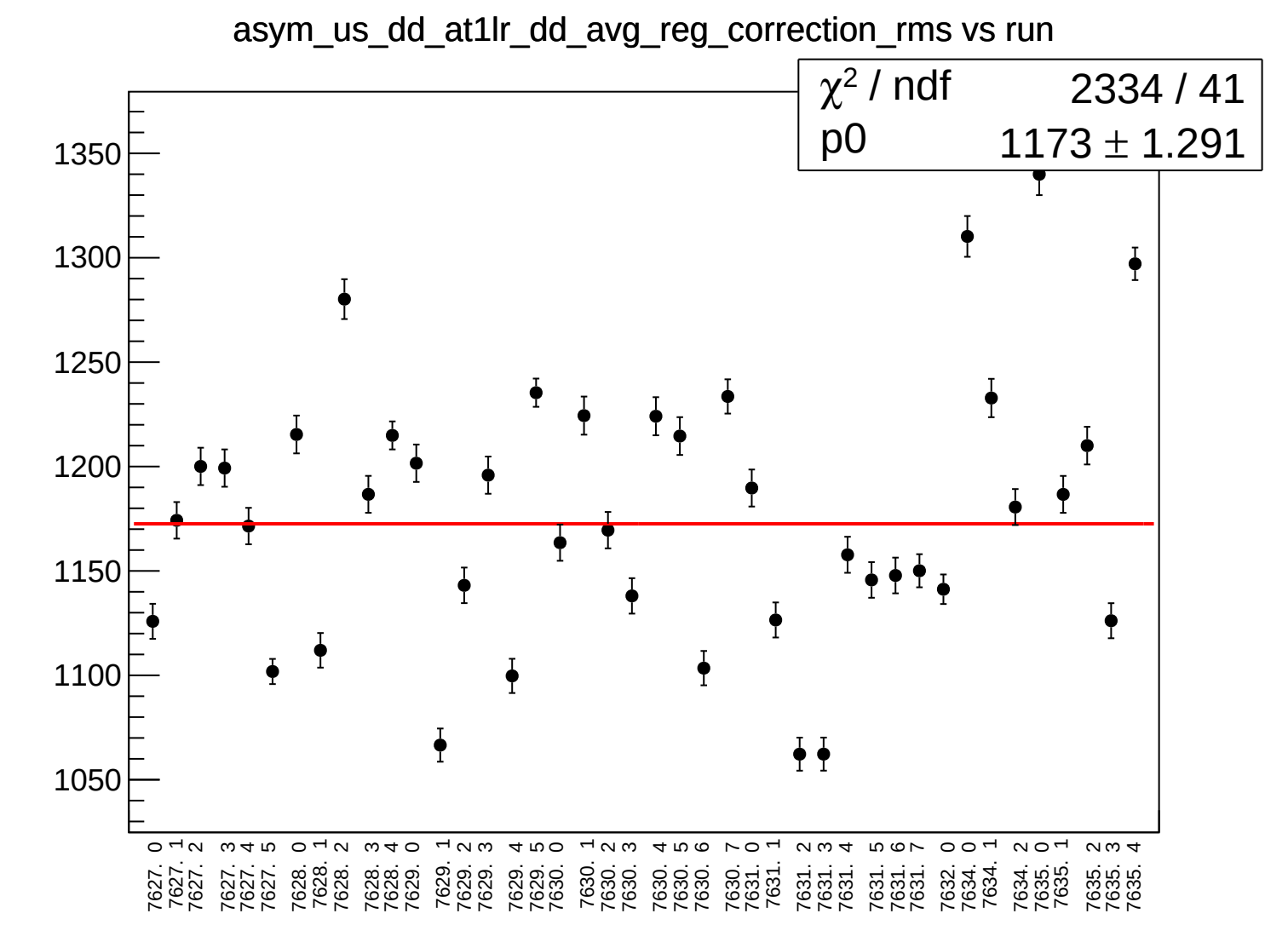
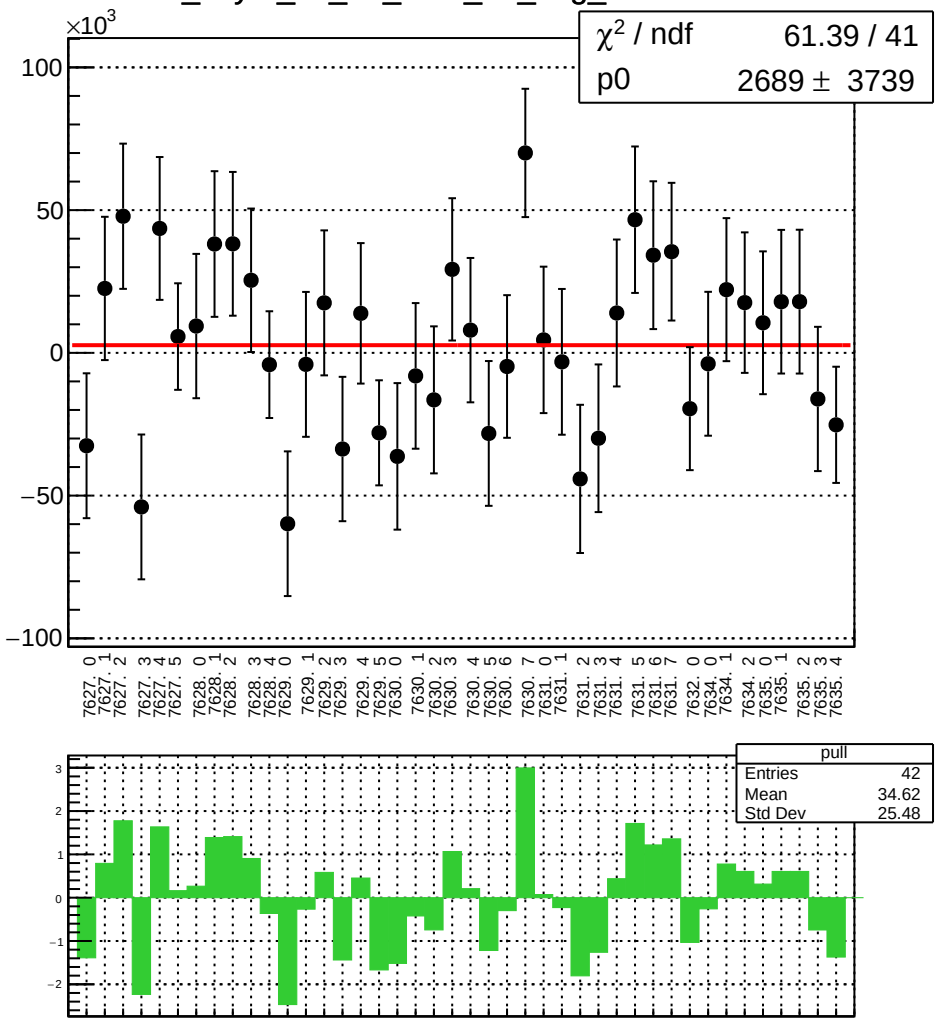
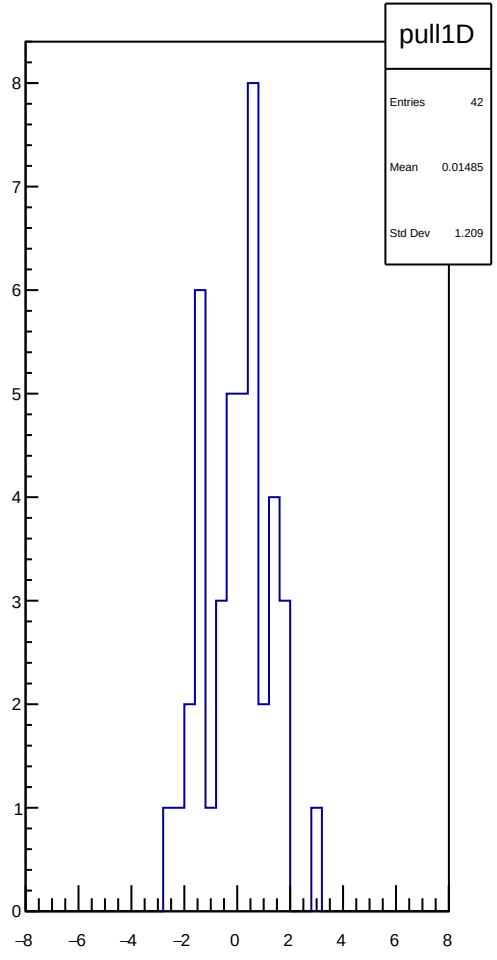
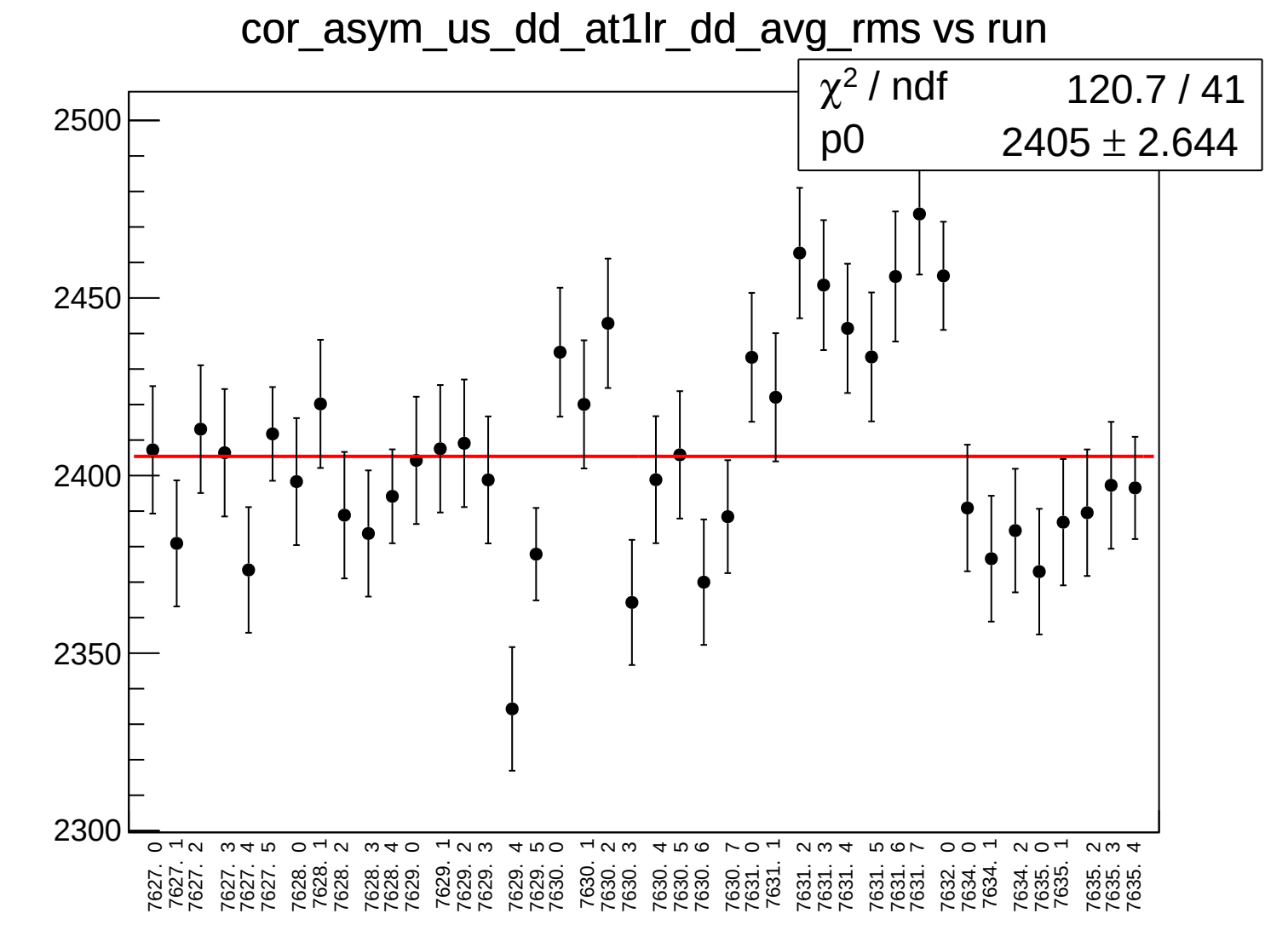
7635. 3
7635. 4

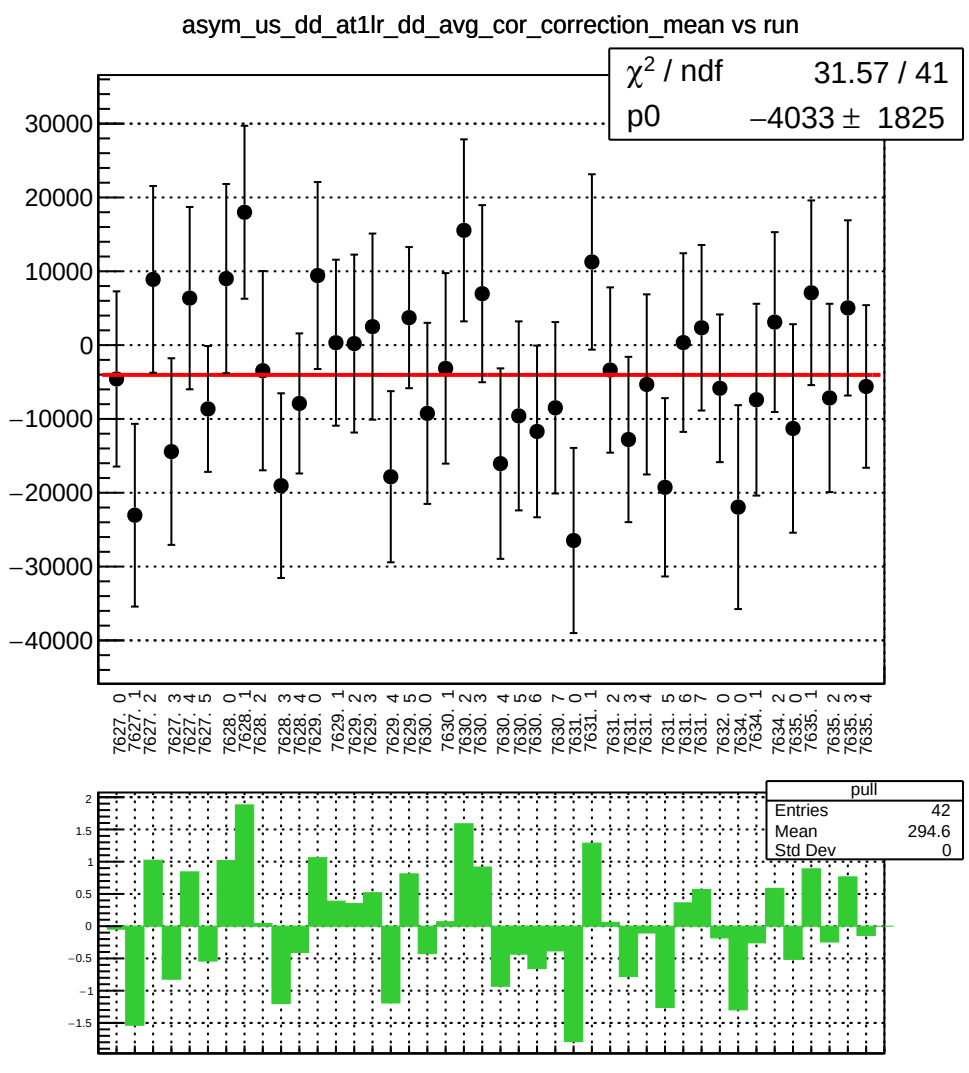

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 31.57 / 41
p0 −4034 ± 1825
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 295.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.002836
Std Dev 0.867
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

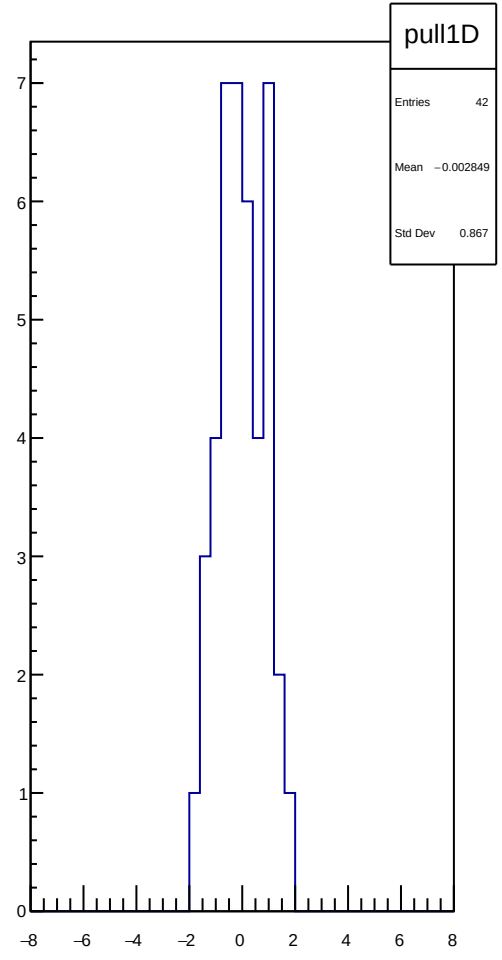

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 2334 / 41
p0 1173 ± 1.291
1350
1300
1250
1200
1150
1100
1050
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

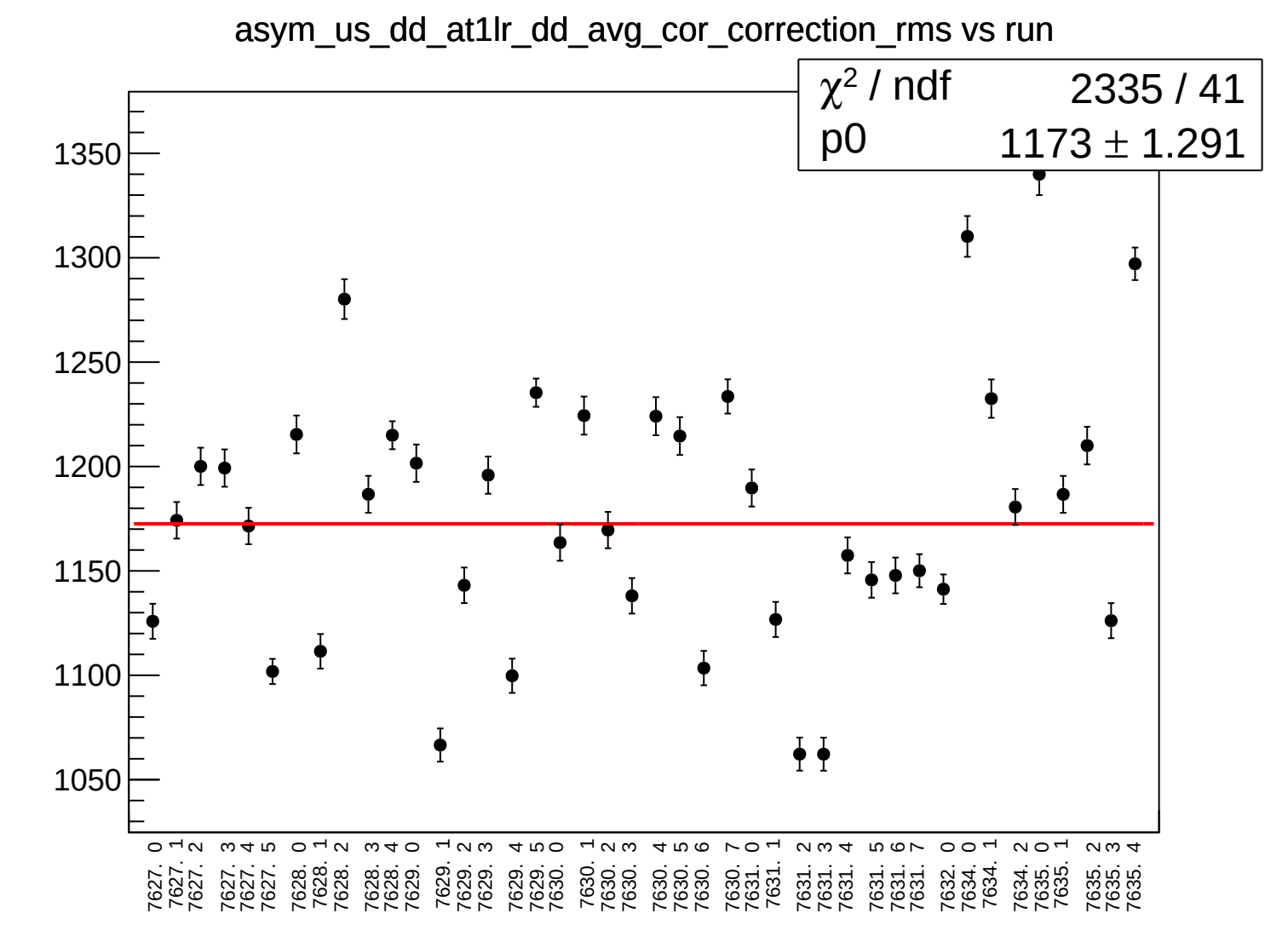

cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 61.39 / 41
p0 2689 ± 3739
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.62
Std Dev 25.48
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.01485
Std Dev 1.209
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 120.7 / 41
p0 2405 ± 2.644
2500
2450
2400
2350
2300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 31.57 / 41
p0 −4033 ± 1825
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 294.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.002849
Std Dev 0.867
7
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 2335 / 41
p0 1173 ± 1.291
1350
1300
1250
1200
1150
1100
1050
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
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7630. 0
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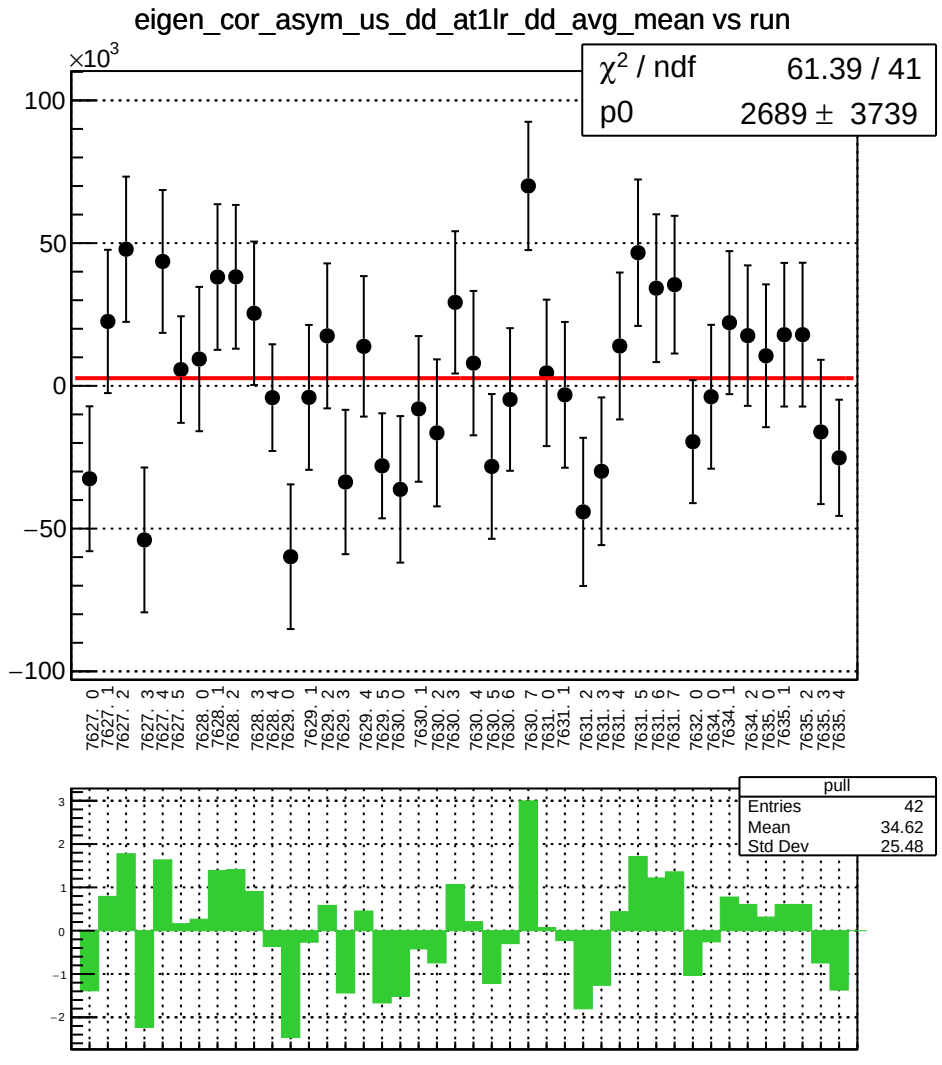
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 61.39 / 41
p0 2689 ± 3739
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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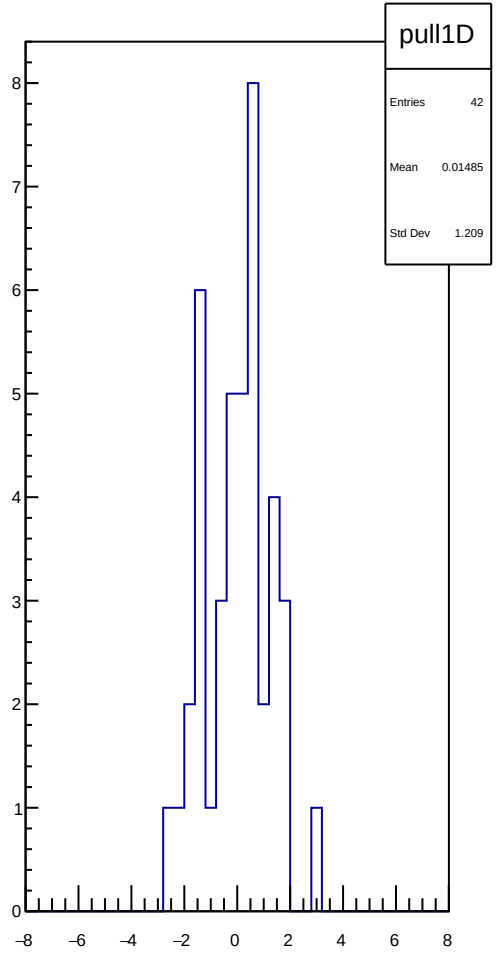
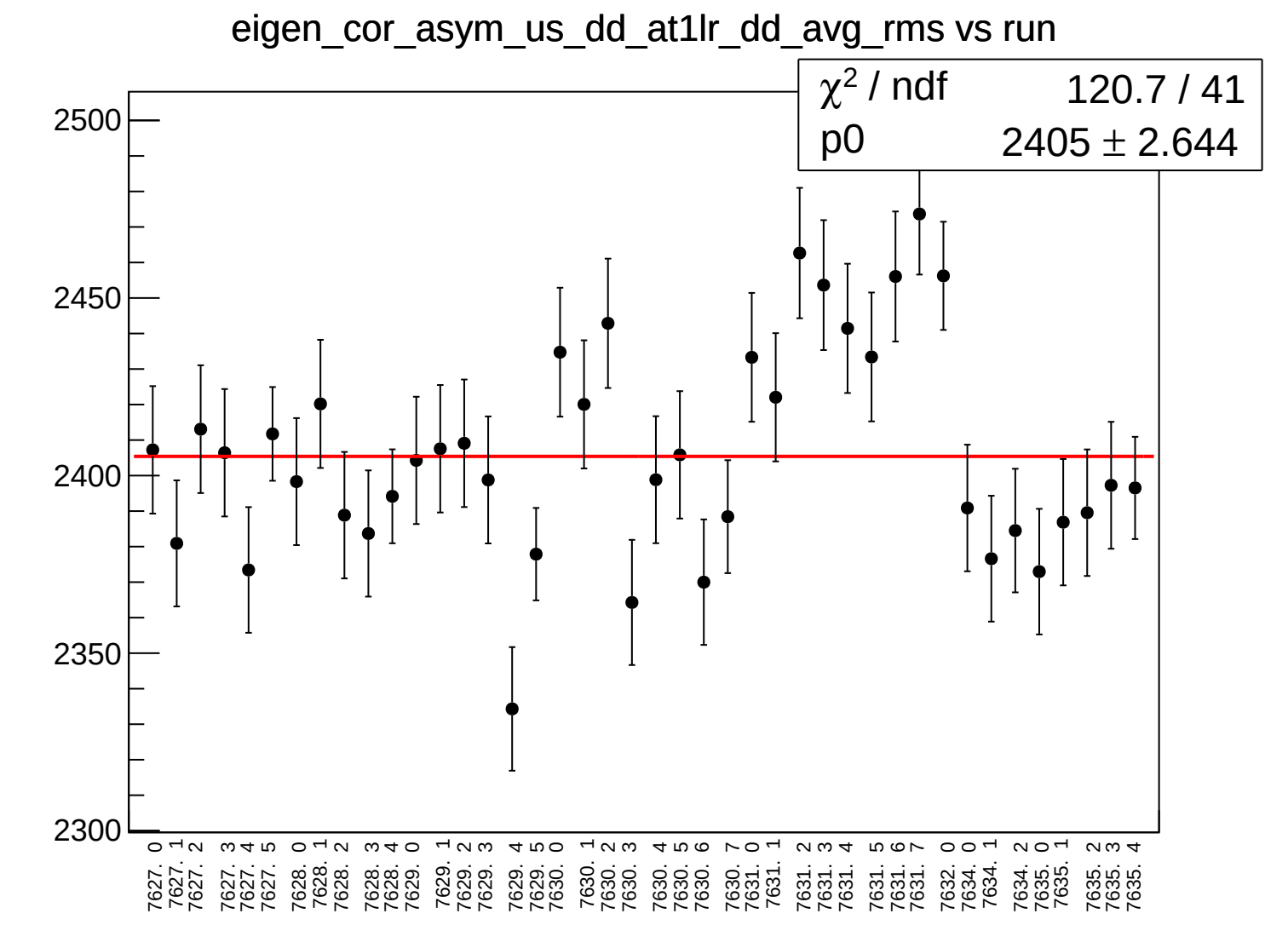
7635. 4
pull
Entries 42
Mean 34.62
Std Dev 25.48
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.01485
Std Dev 1.209
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 120.7 / 41
p0 2405 ± 2.644
2500
2450
2400
2350
2300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 5
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7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7634. 0
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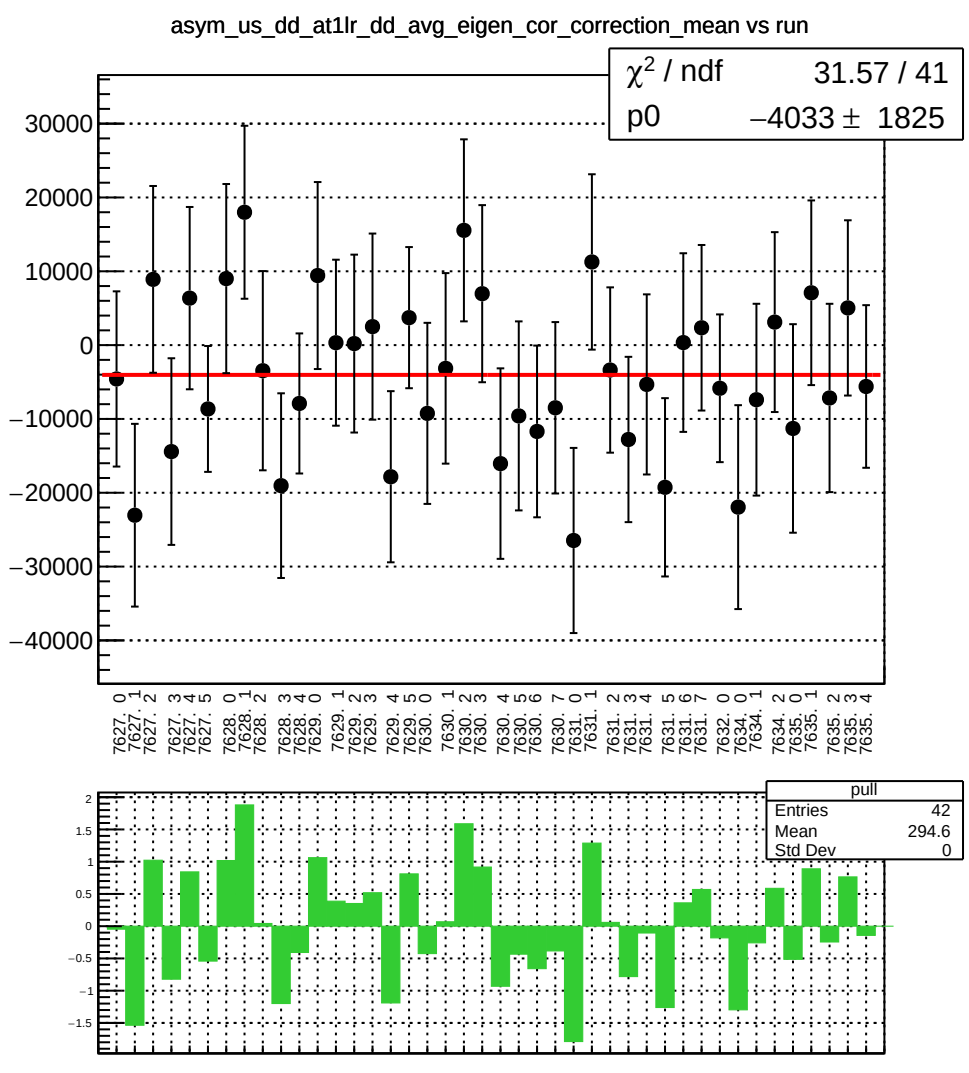
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 31.57 / 41
p0 −4033 ± 1825
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
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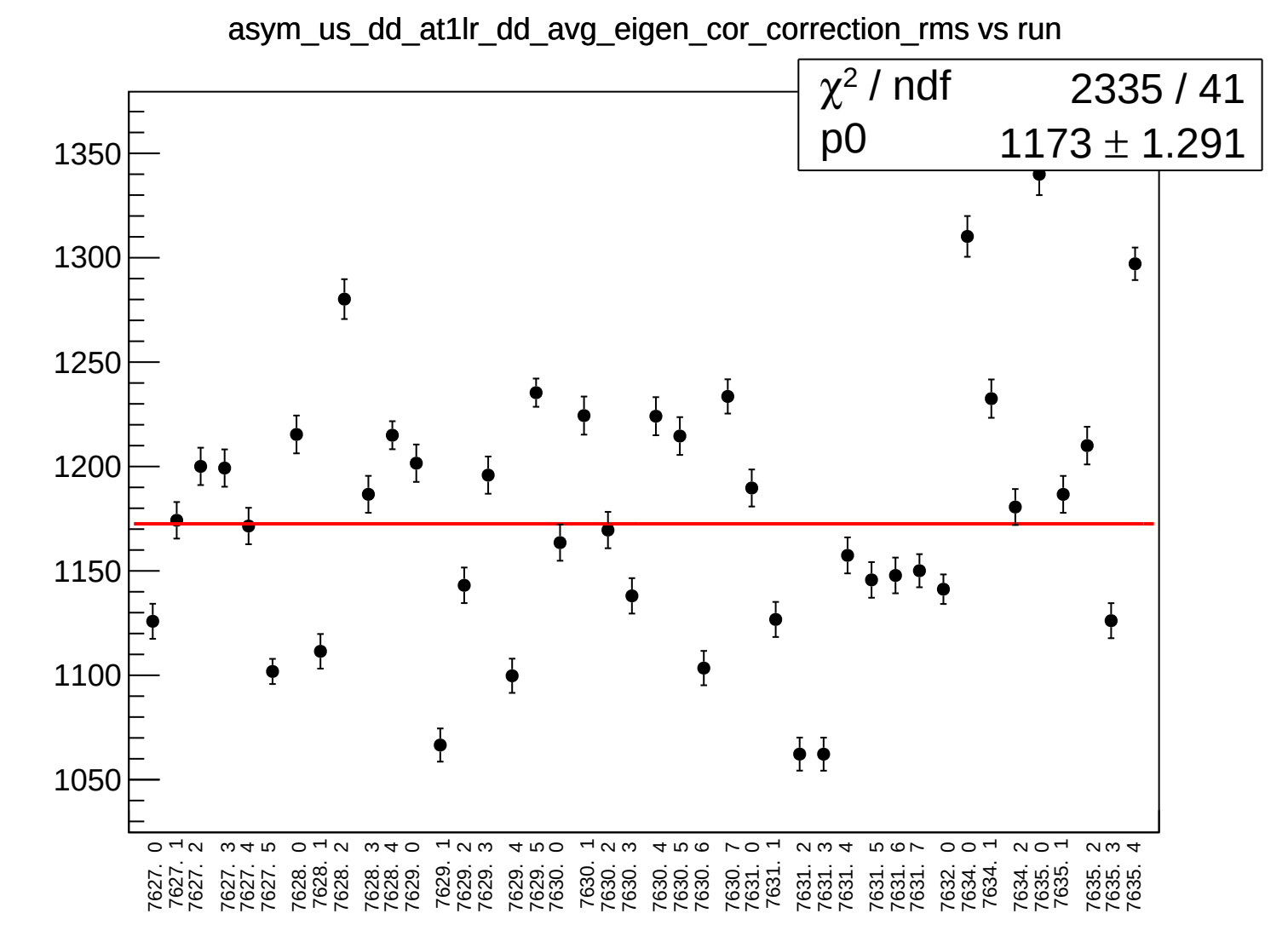
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 294.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.002849
Std Dev 0.867
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2335 / 41
p0 1173 ± 1.291
1350
1300
1250
1200
1150
1100
1050
7627. 0
7627. 1
7627. 2
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7630. 7
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7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
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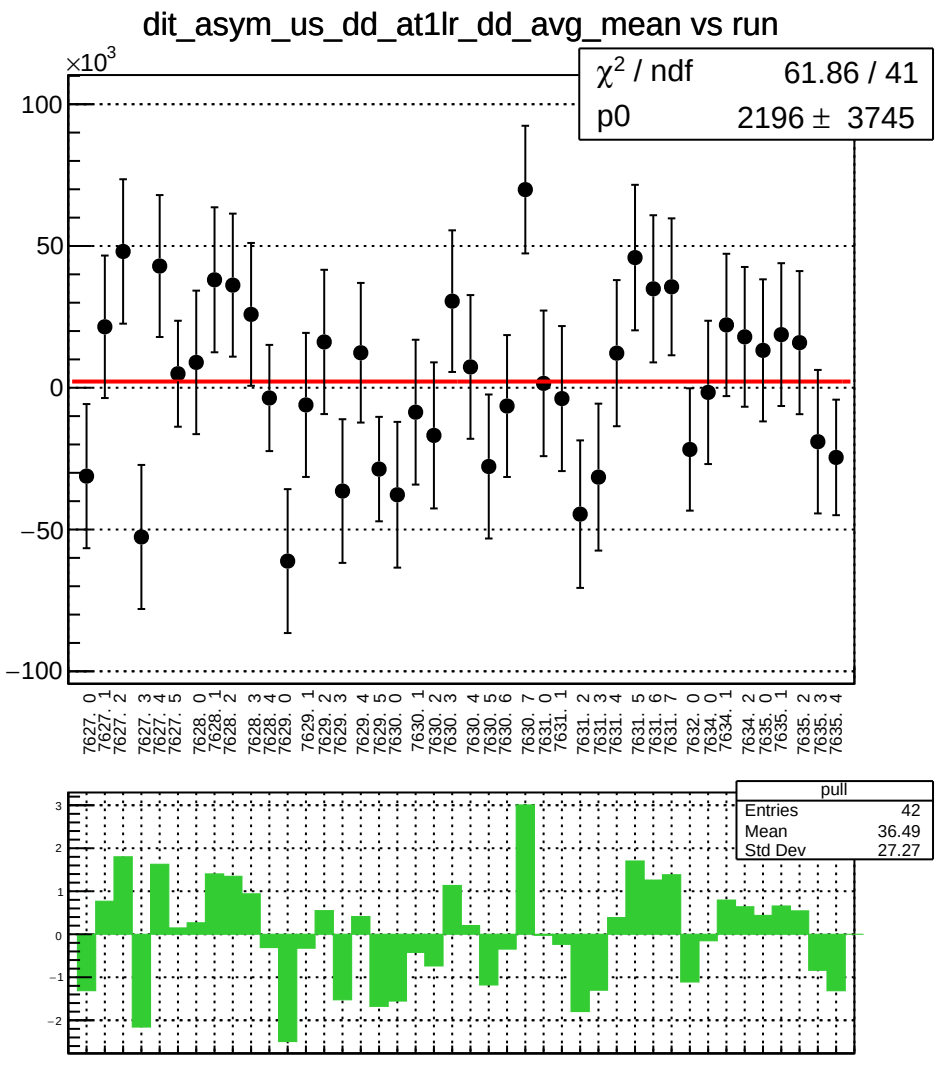
7635. 4


dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 61.86 / 41
p0 2196 ± 3745
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
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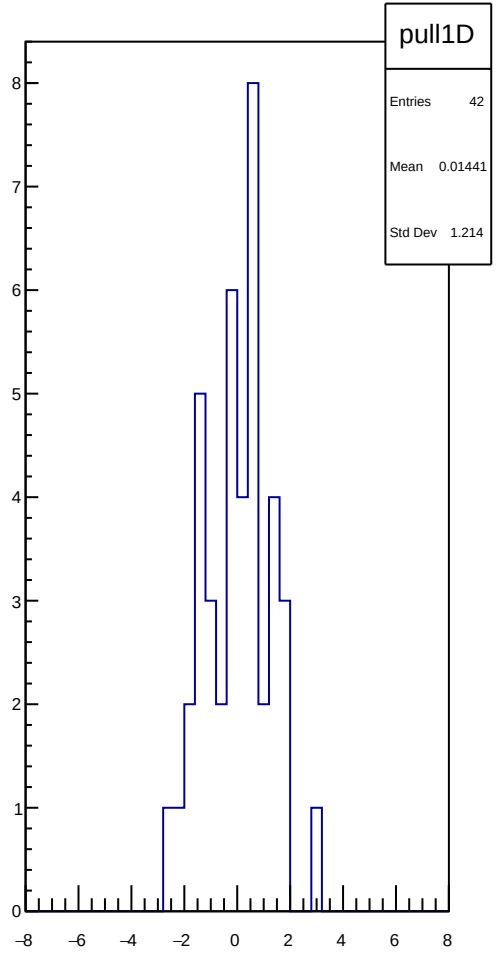
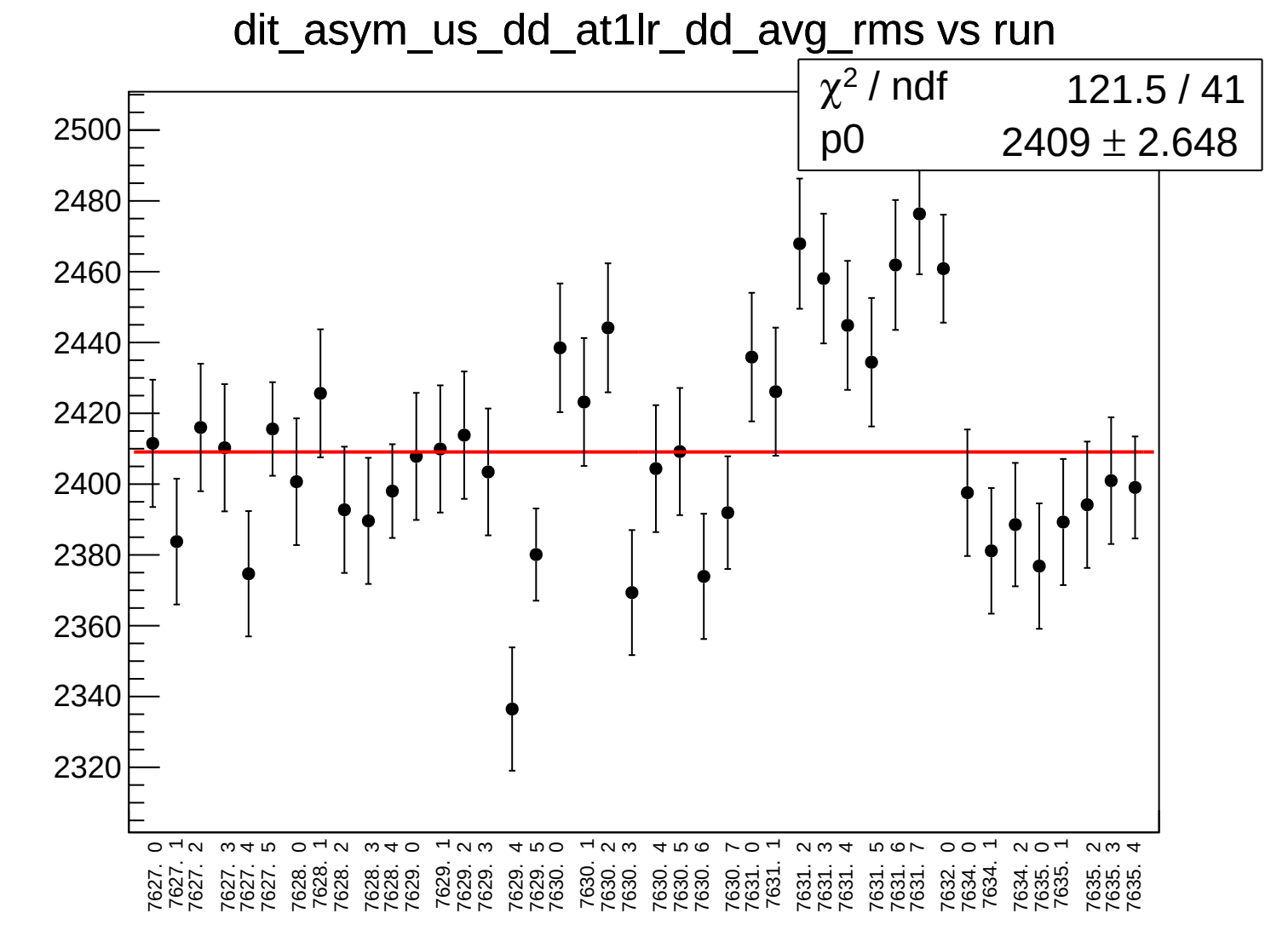
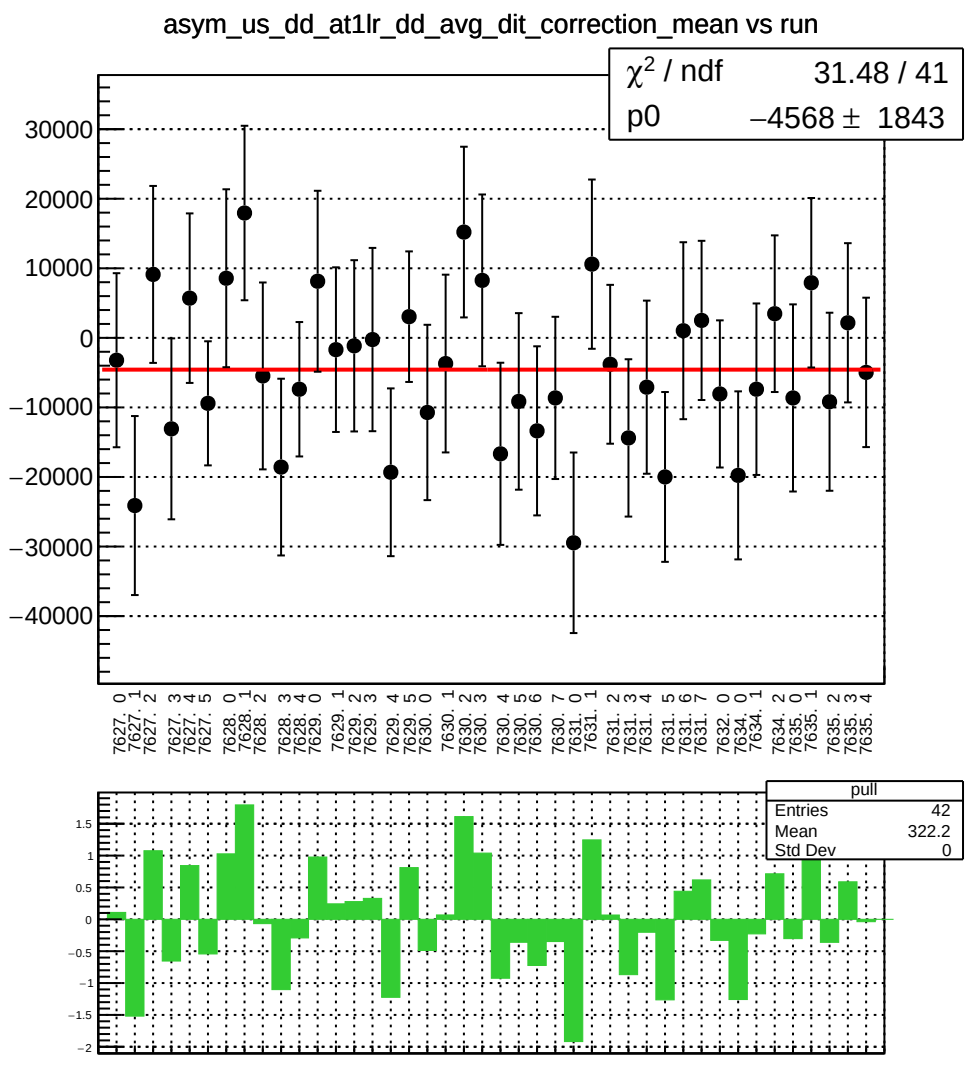
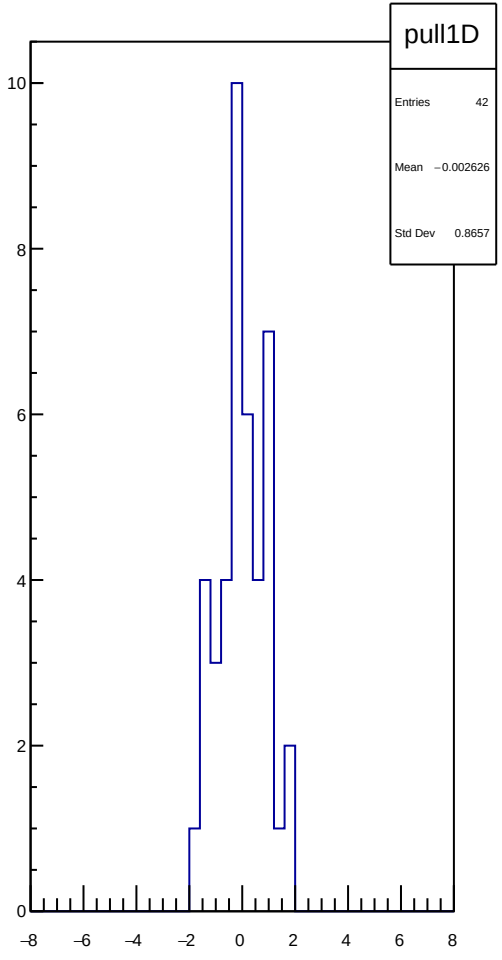
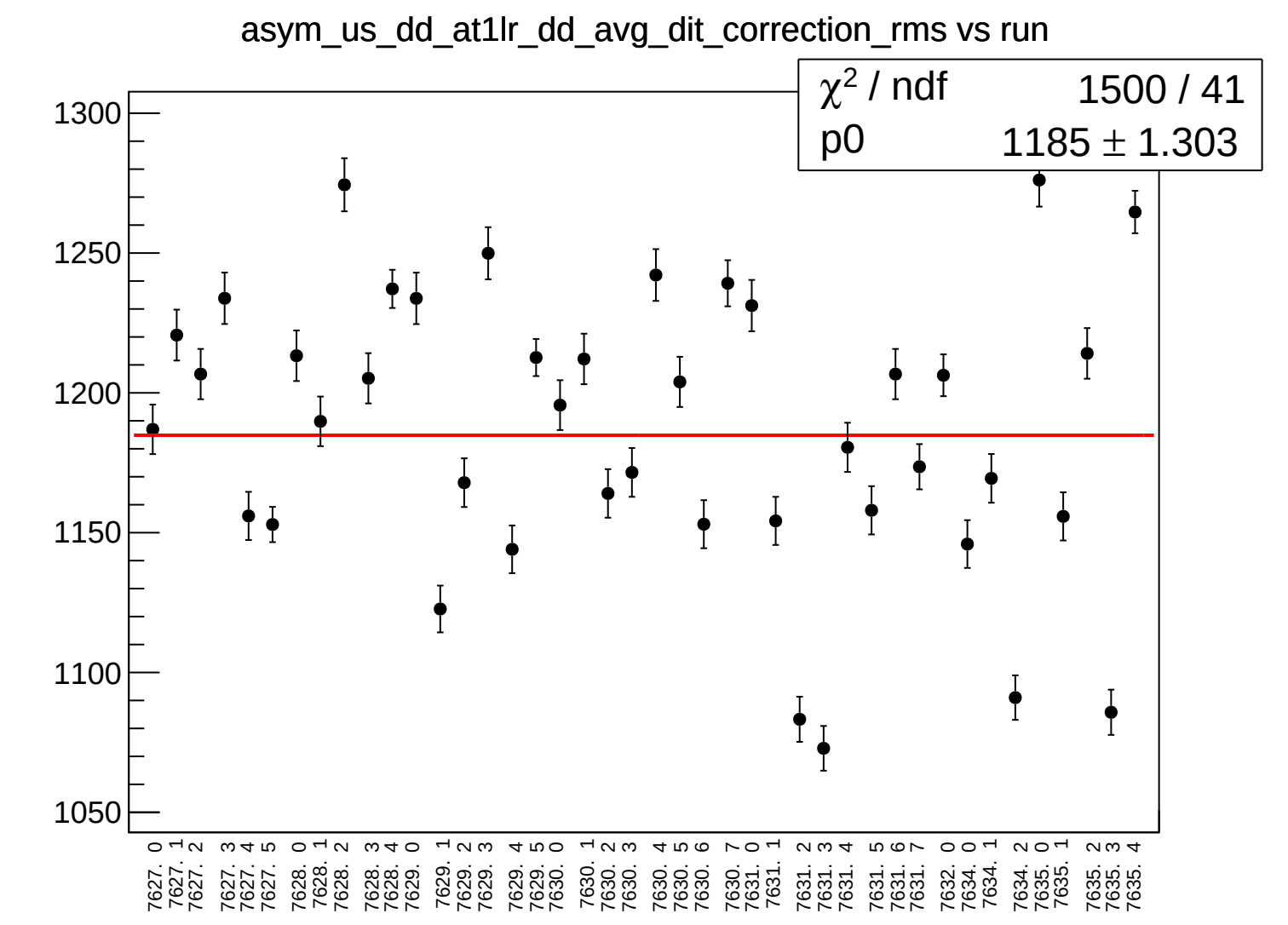
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 36.49
Std Dev 27.27
3
2
1
0
−1
−2

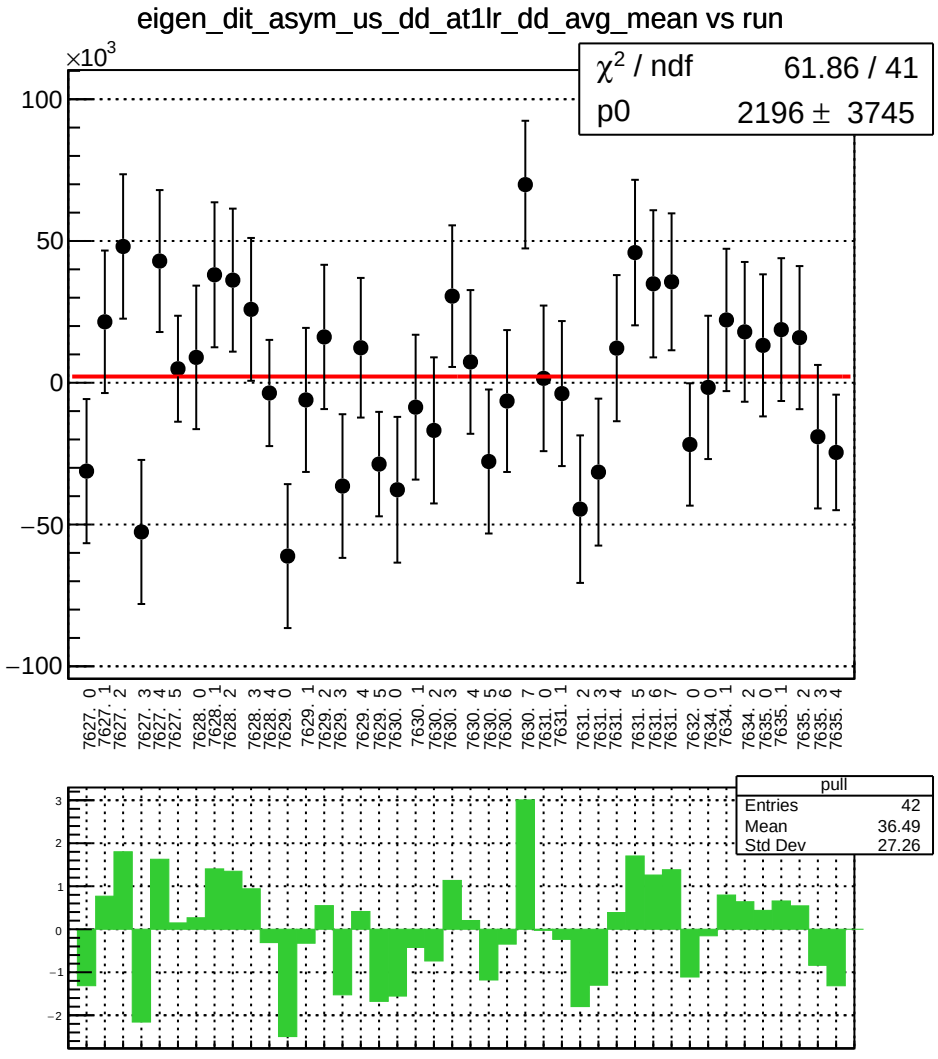

pull1D
Entries 42
Mean 0.01441
Std Dev 1.214
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

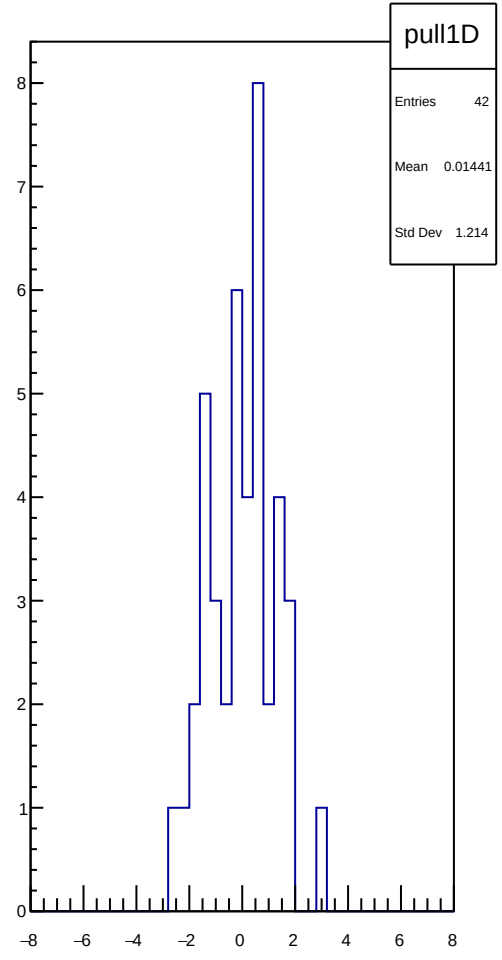

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 121.5 / 41
p0 2409 ± 2.648
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

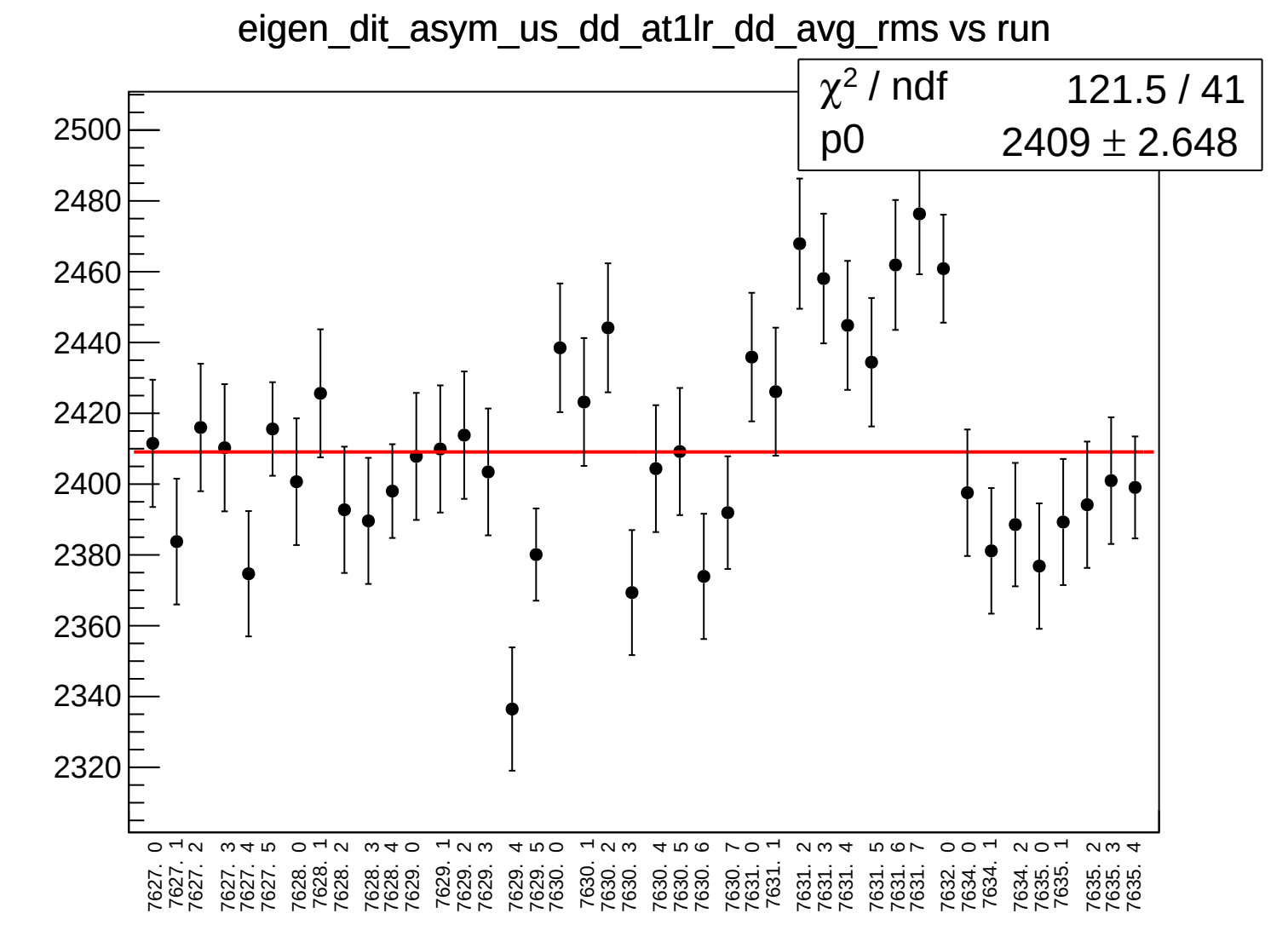

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 31.48 / 41
p0 −4568 ± 1843
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 322.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

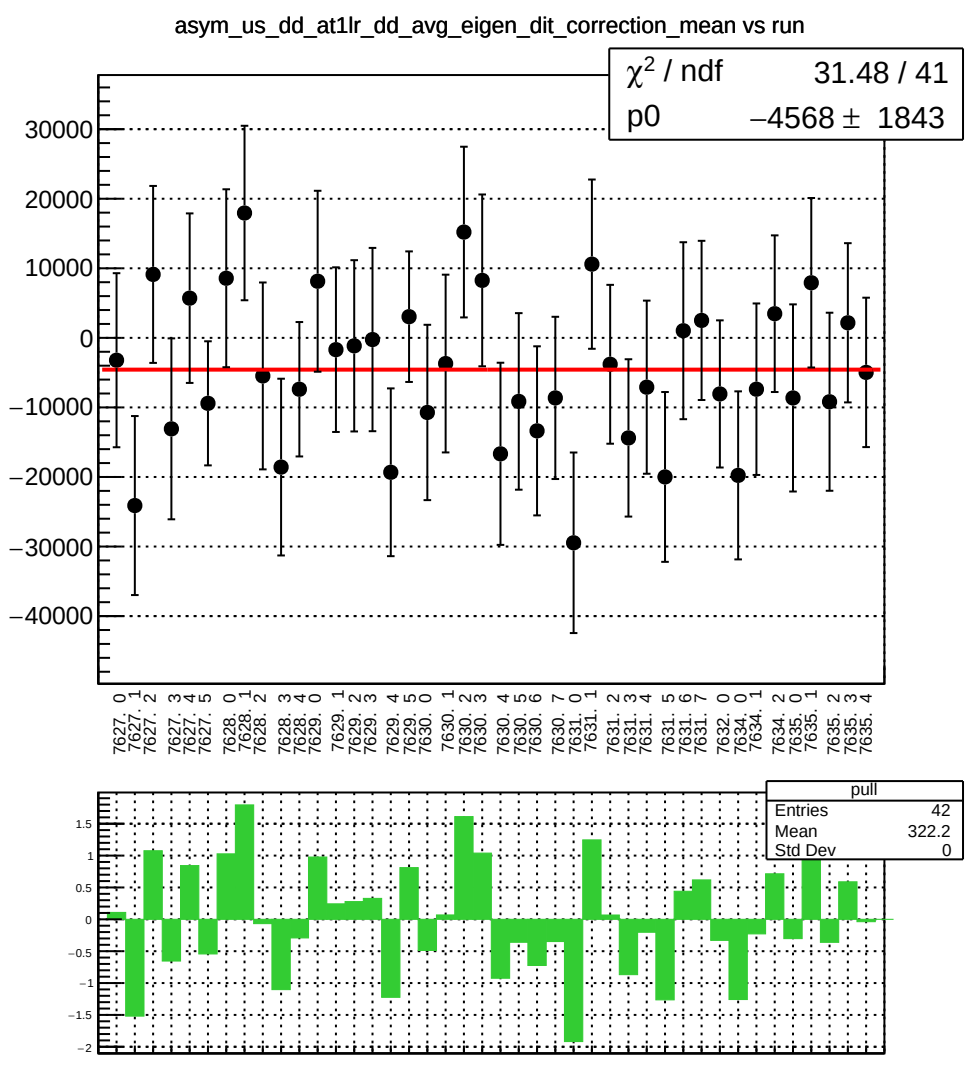

pull1D
Entries 42
Mean −0.002626
Std Dev 0.8657
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

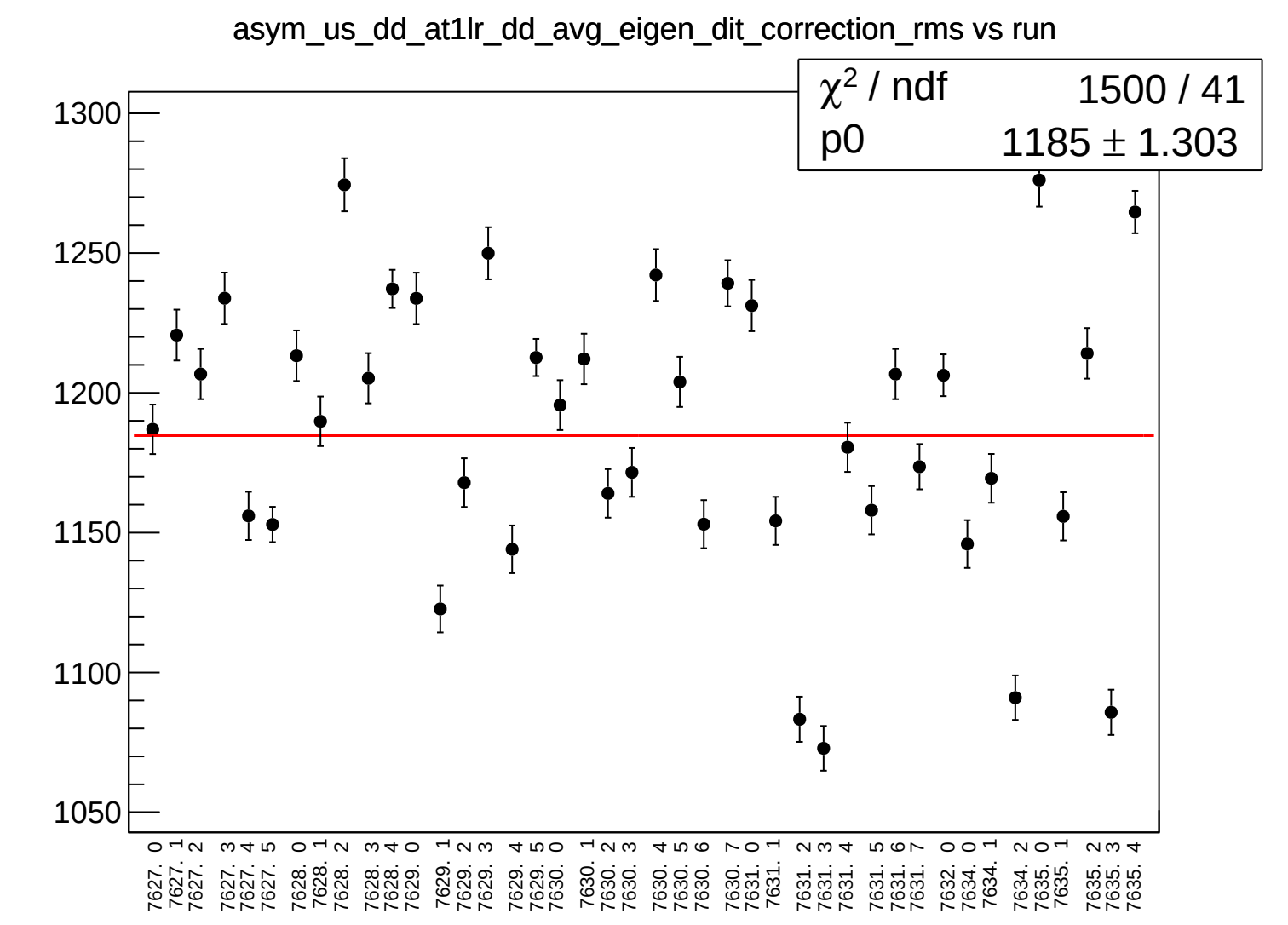

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1500 / 41
p0 1185 ± 1.303
1300
1250
1200
1150
1100
1050
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

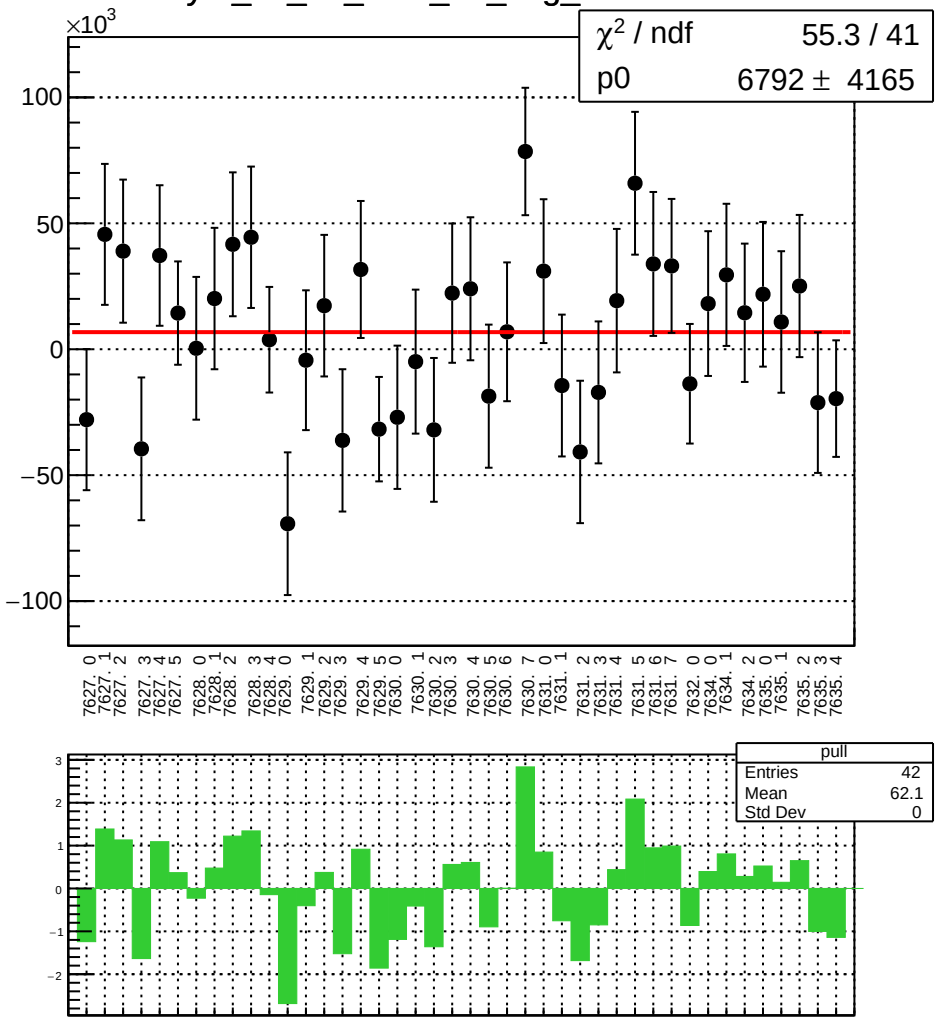

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 61.86 / 41
p0 2196 ± 3745
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 36.49
Std Dev 27.26
3
2
1
0
−1
−2

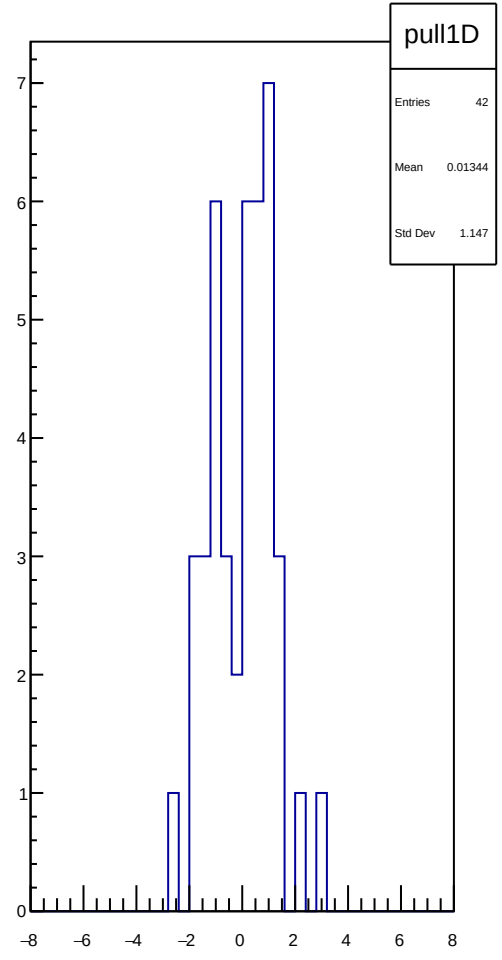

pull1D
Entries 42
Mean 0.01441
Std Dev 1.214
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

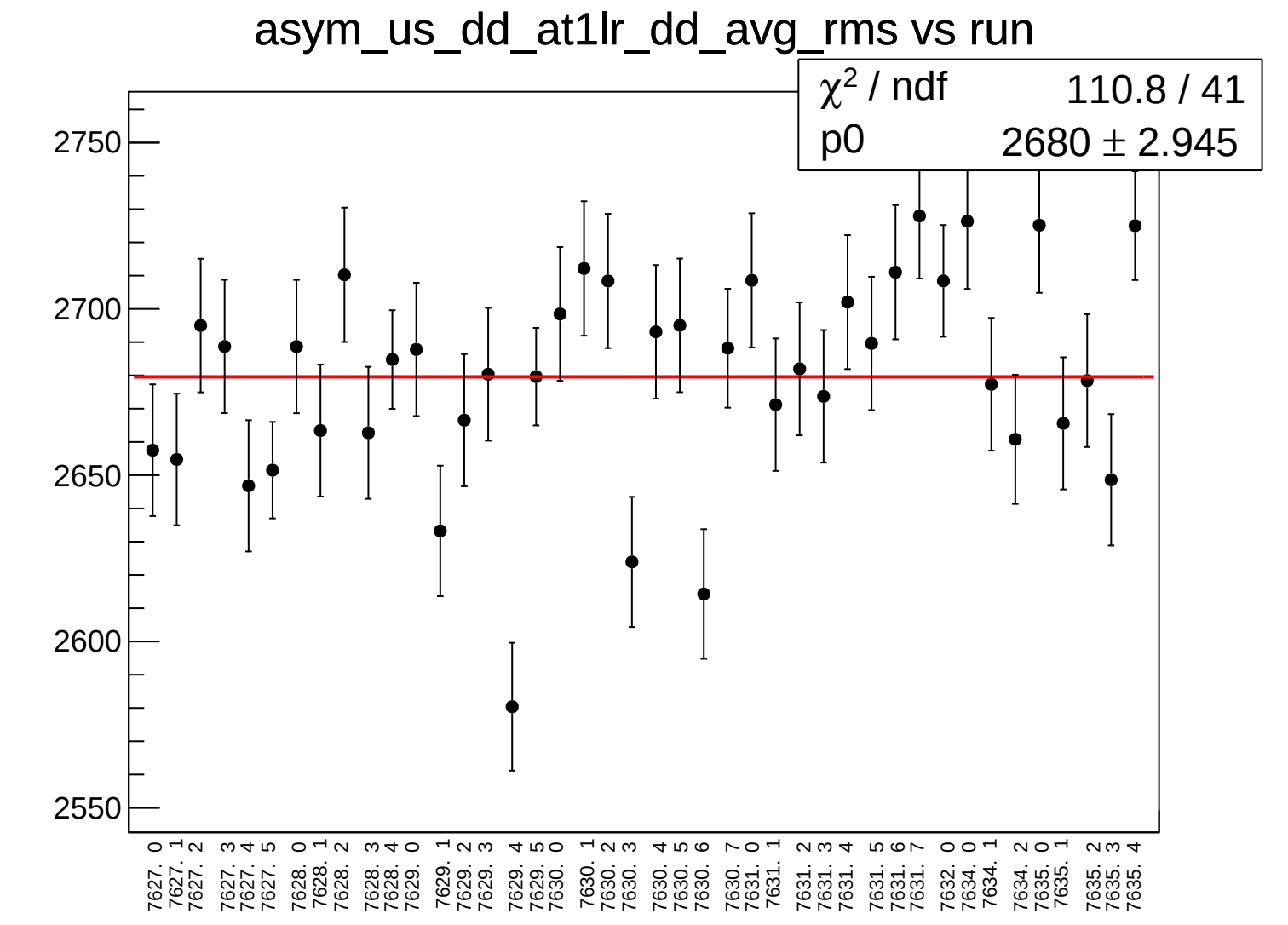

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 121.5 / 41
p0 2409 ± 2.648
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

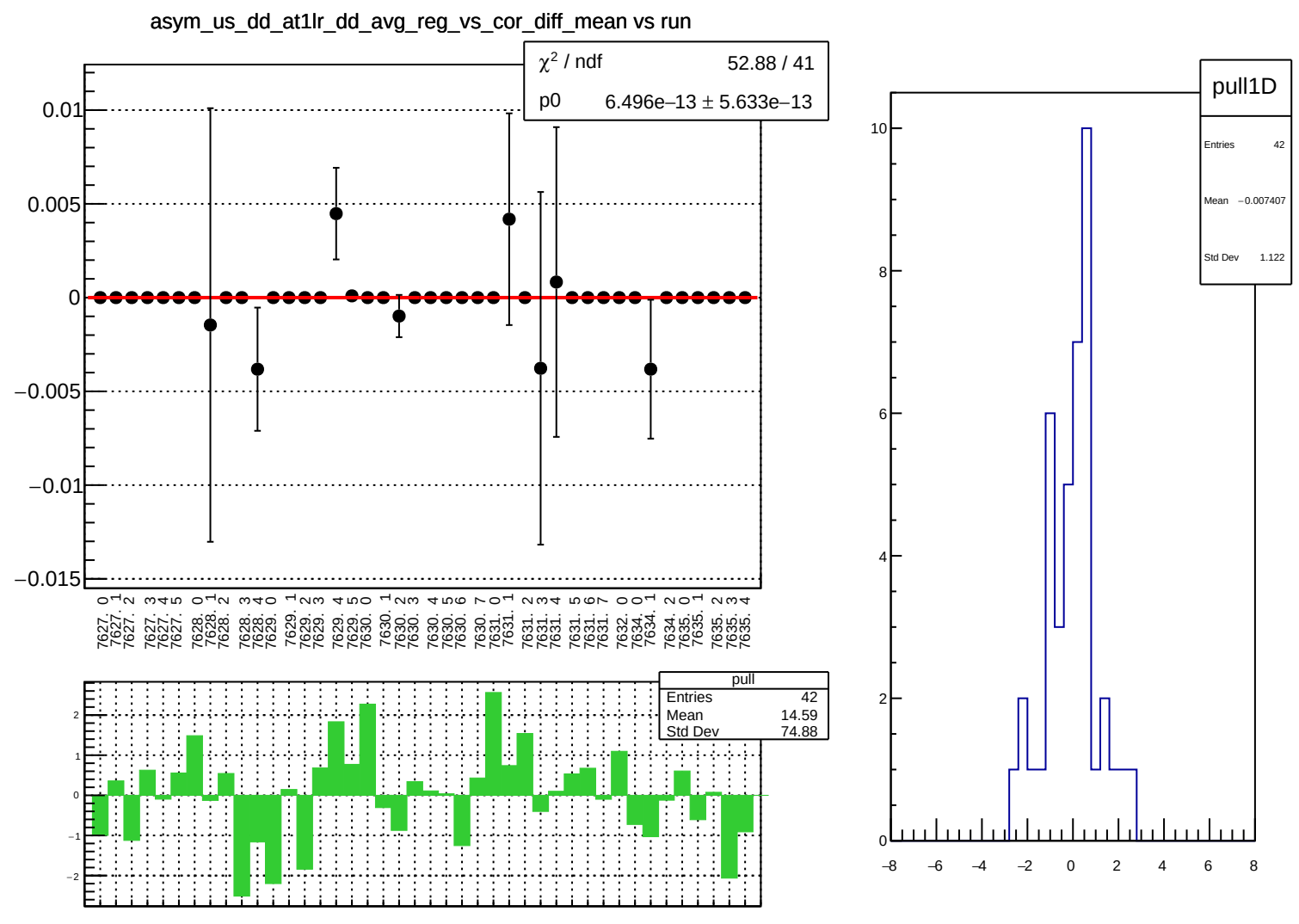

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.48 / 41
p0 −4568 ± 1843
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 322.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.002626
Std Dev 0.8657
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

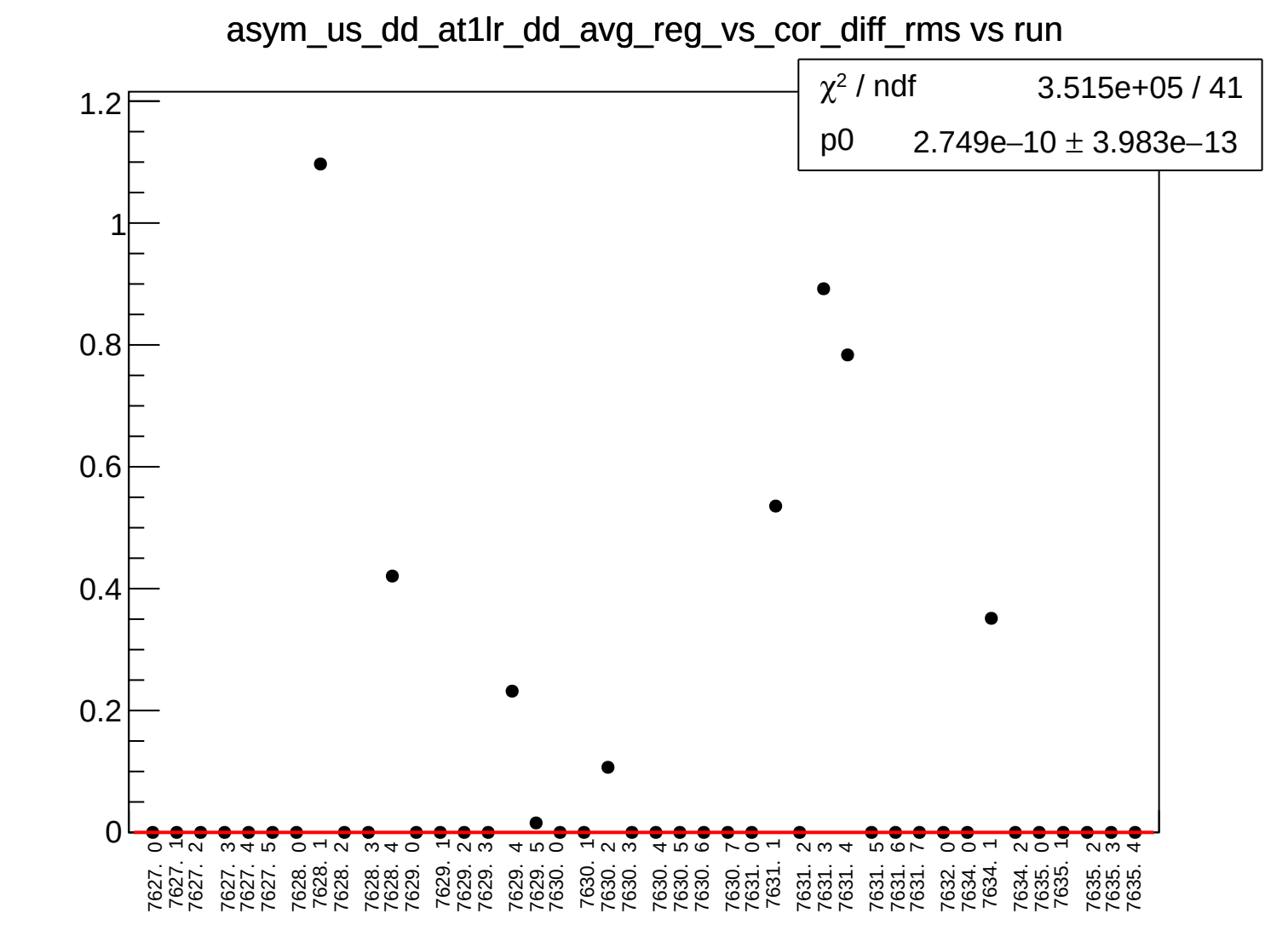

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1500 / 41
p0 1185 ± 1.303
1300
1250
1200
1150
1100
1050
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

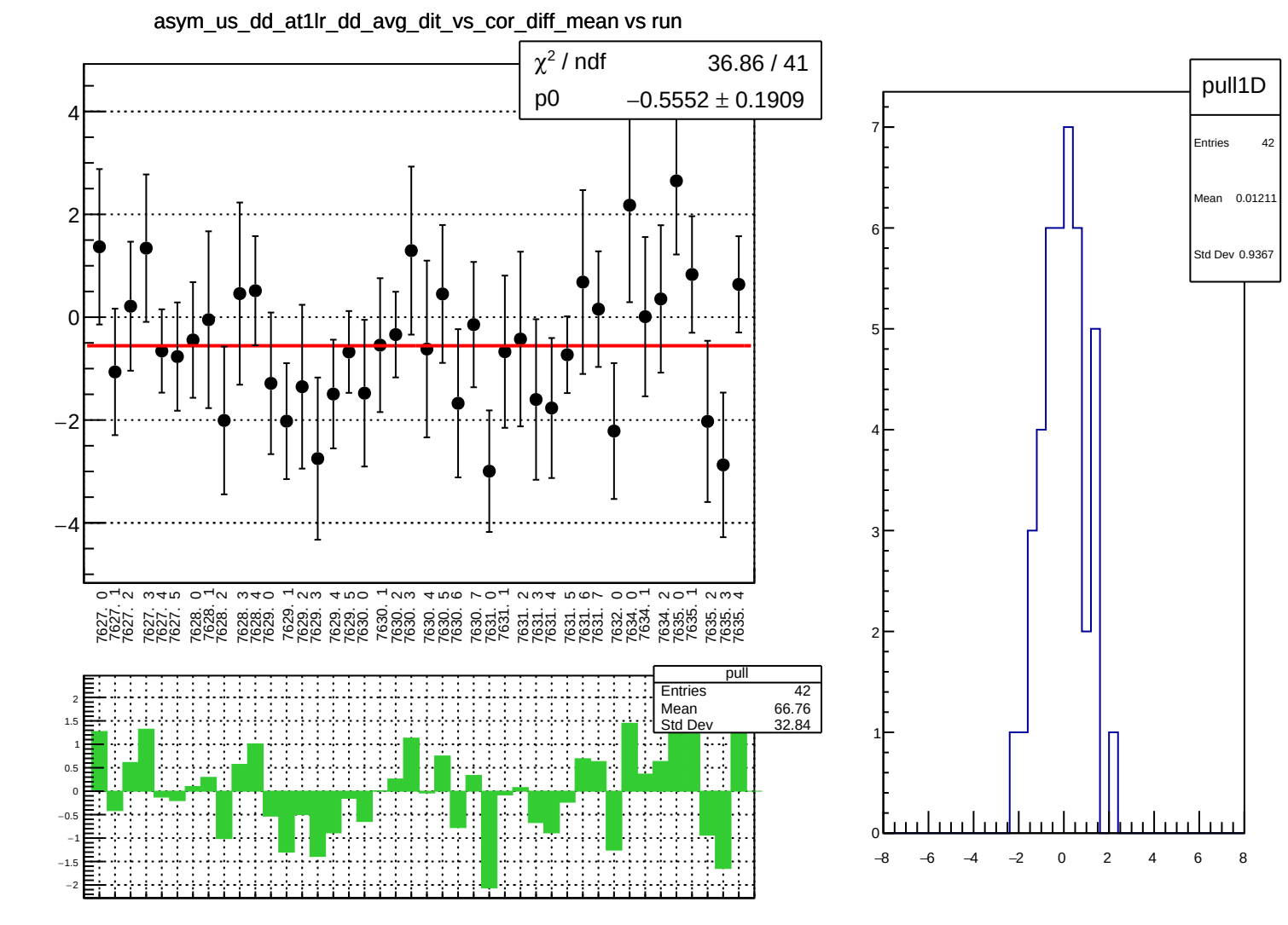

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 55.3 / 41
p0 6792 ± 4165
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 62.1
Std Dev 0
3
2
1
0
−1
−2

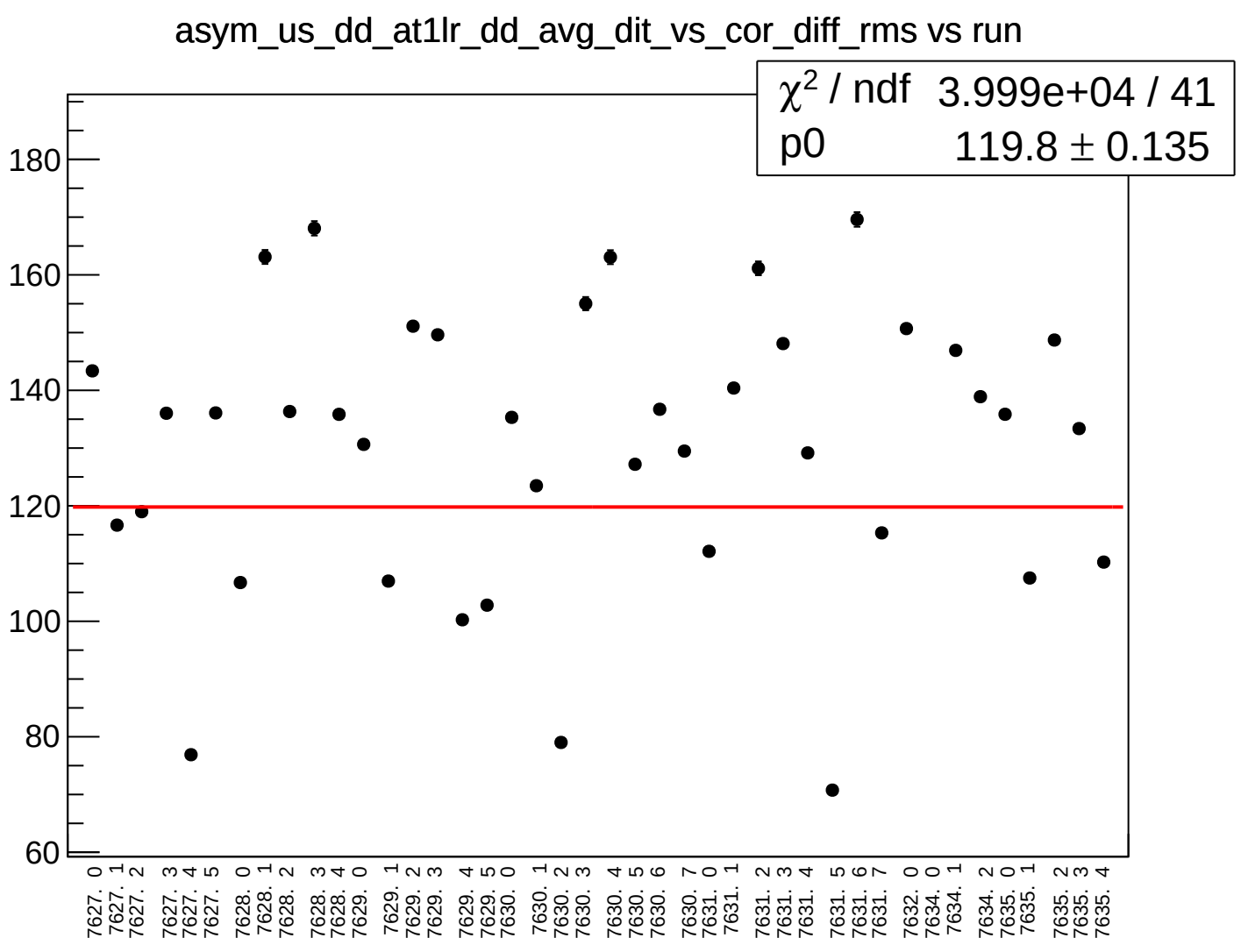

pull1D
Entries 42
Mean 0.01344
Std Dev 1.147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

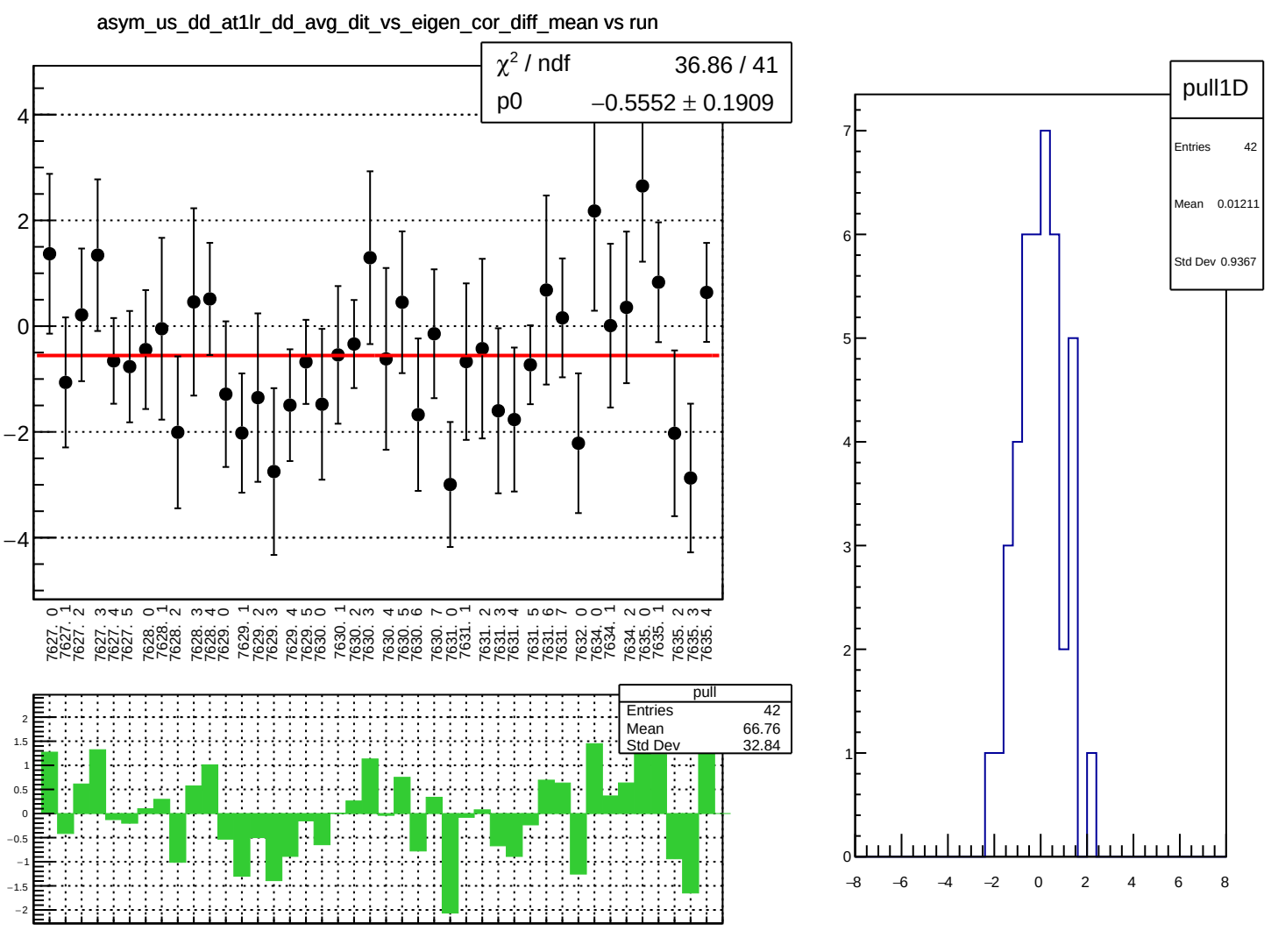

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 110.8 / 41
p0 2680 ± 2.945
2750
2700
2650
2600
2550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

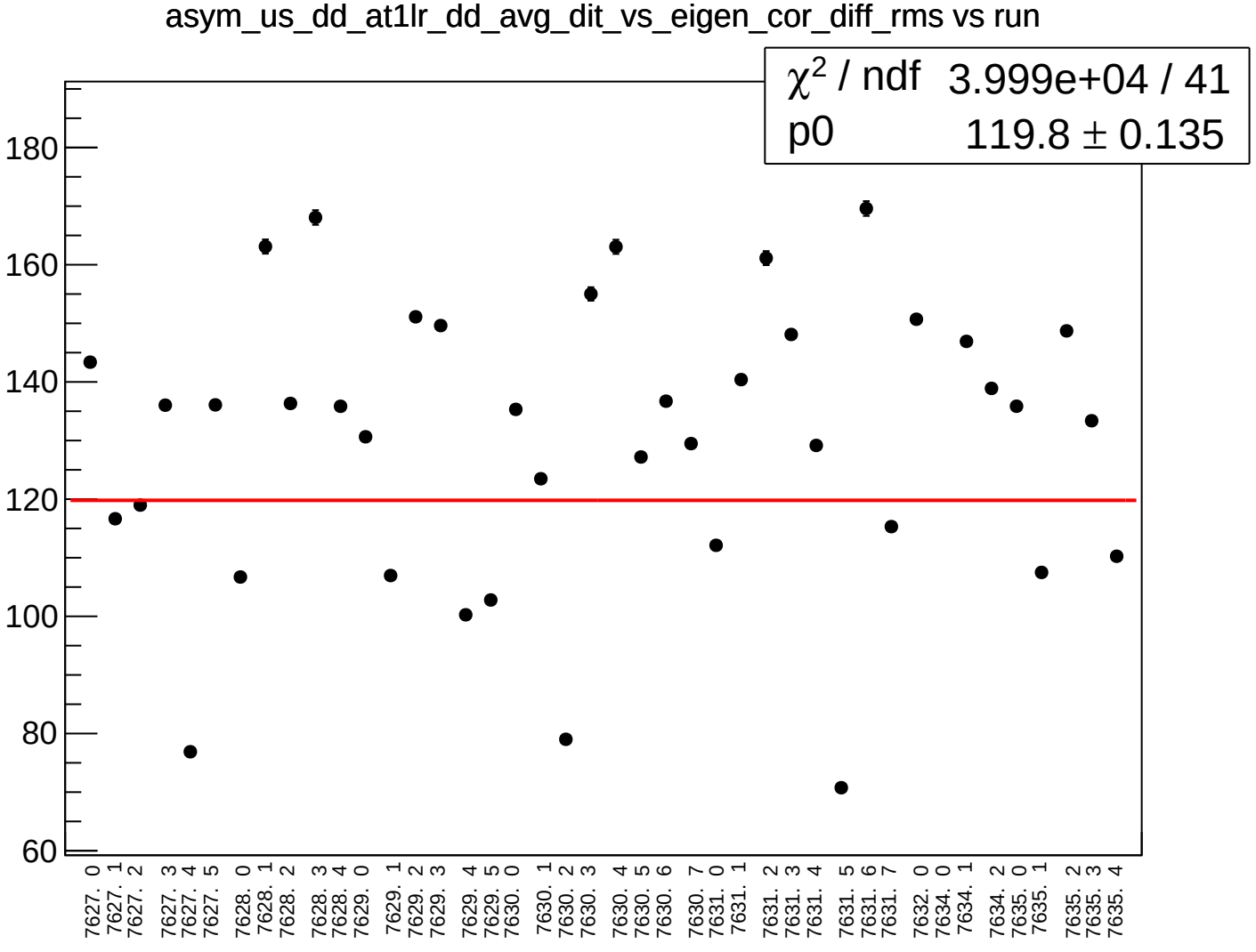

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.88 / 41
p0 6.496e−13 ± 5.633e−13
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 14.59
Std Dev 74.88
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.007407
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

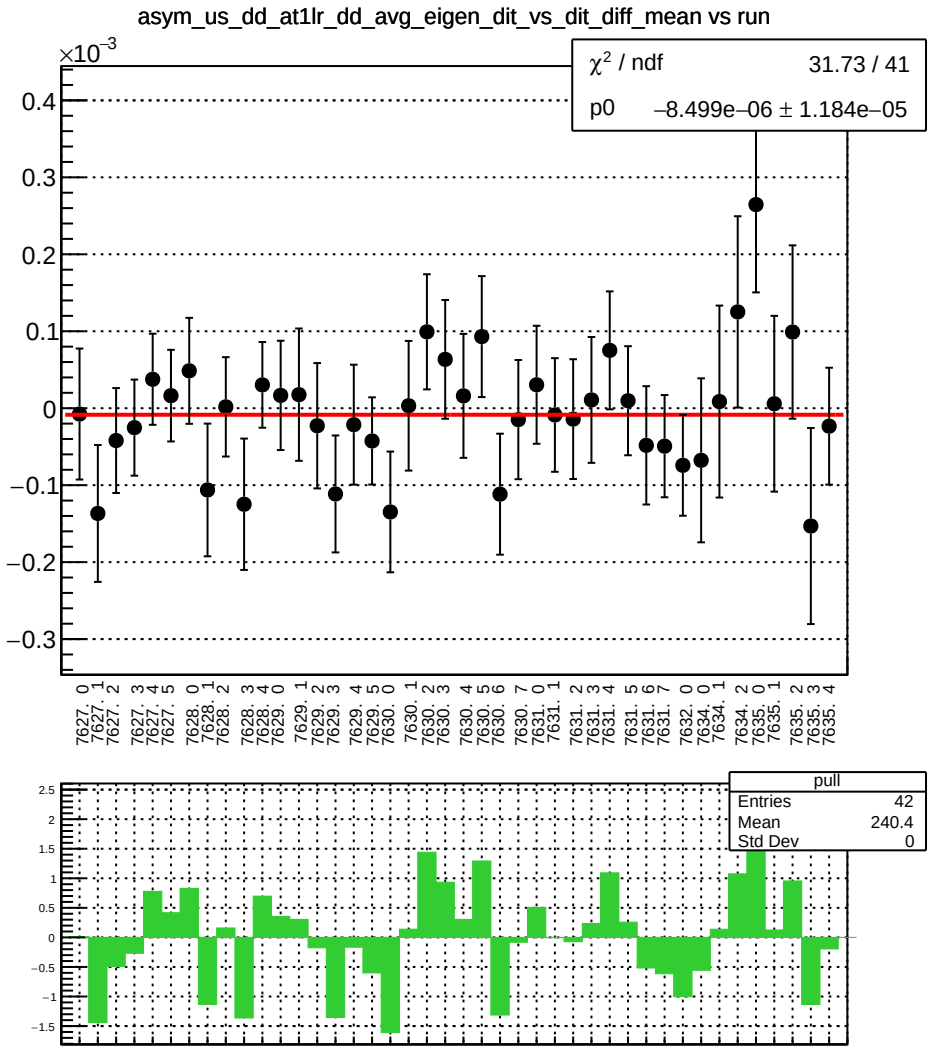

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.515e+05 / 41
p0 2.749e−10 ± 3.983e−13
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

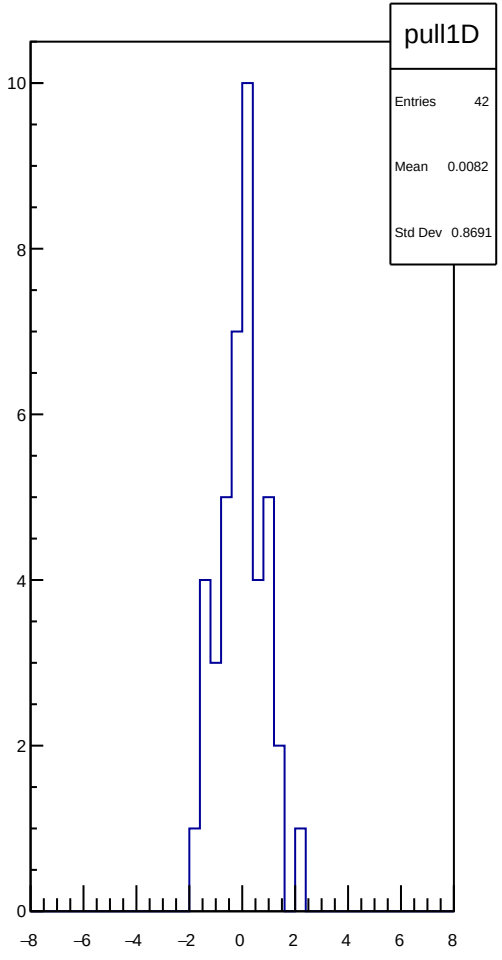

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 36.86 / 41
p0 −0.5552 ± 0.1909
pull
Entries 42
Mean 66.76
Std Dev 32.84
pull1D
Entries 42
Mean 0.01211
Std Dev 0.9367

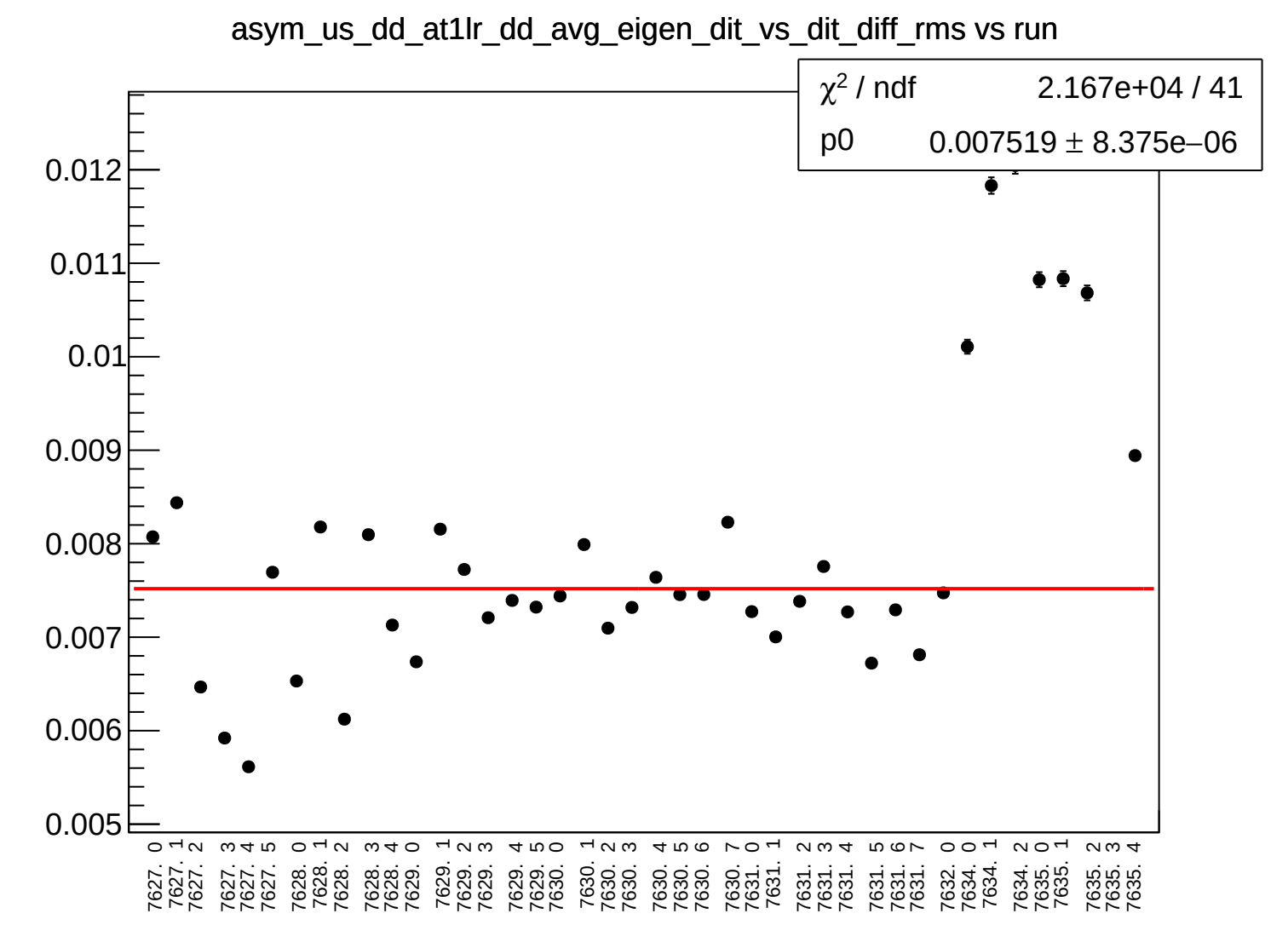

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.999e+04 / 41
p0 119.8 ± 0.135
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

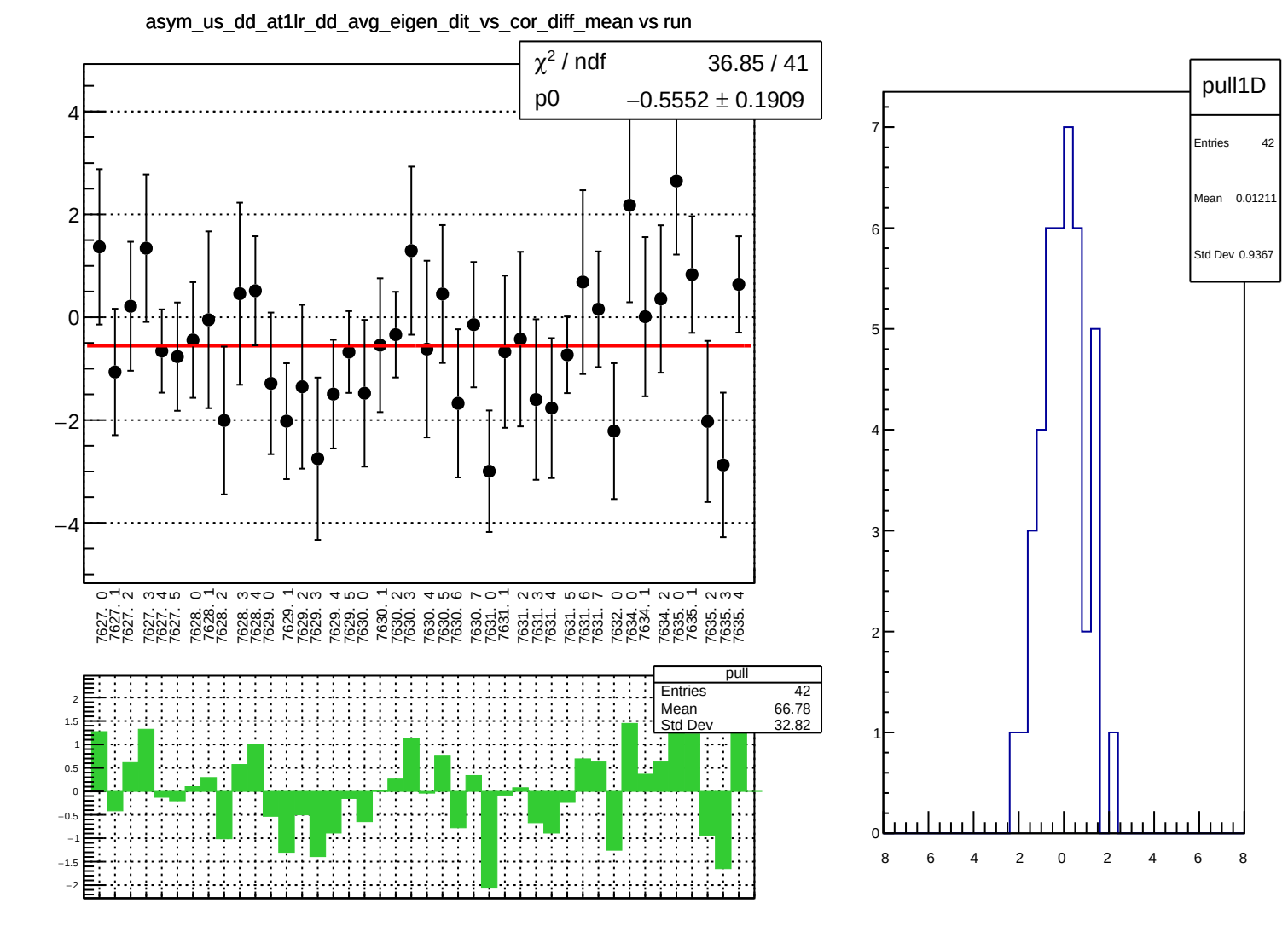

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.86 / 41
p0 −0.5552 ± 0.1909
pull
Entries 42
Mean 66.76
Std Dev 32.84
pull1D
Entries 42
Mean 0.01211
Std Dev 0.9367

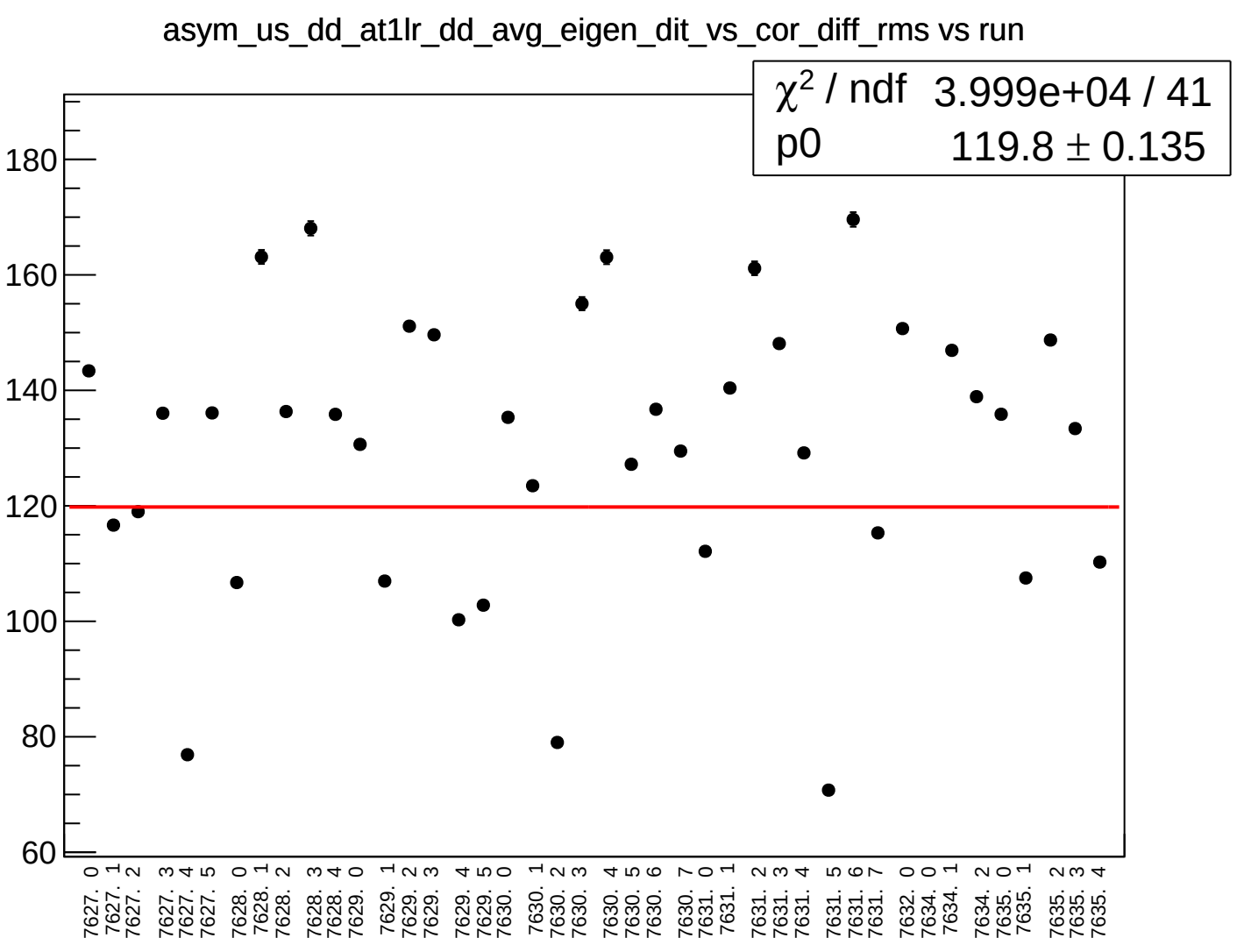

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.999e+04 / 41
p0 119.8 ± 0.135
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

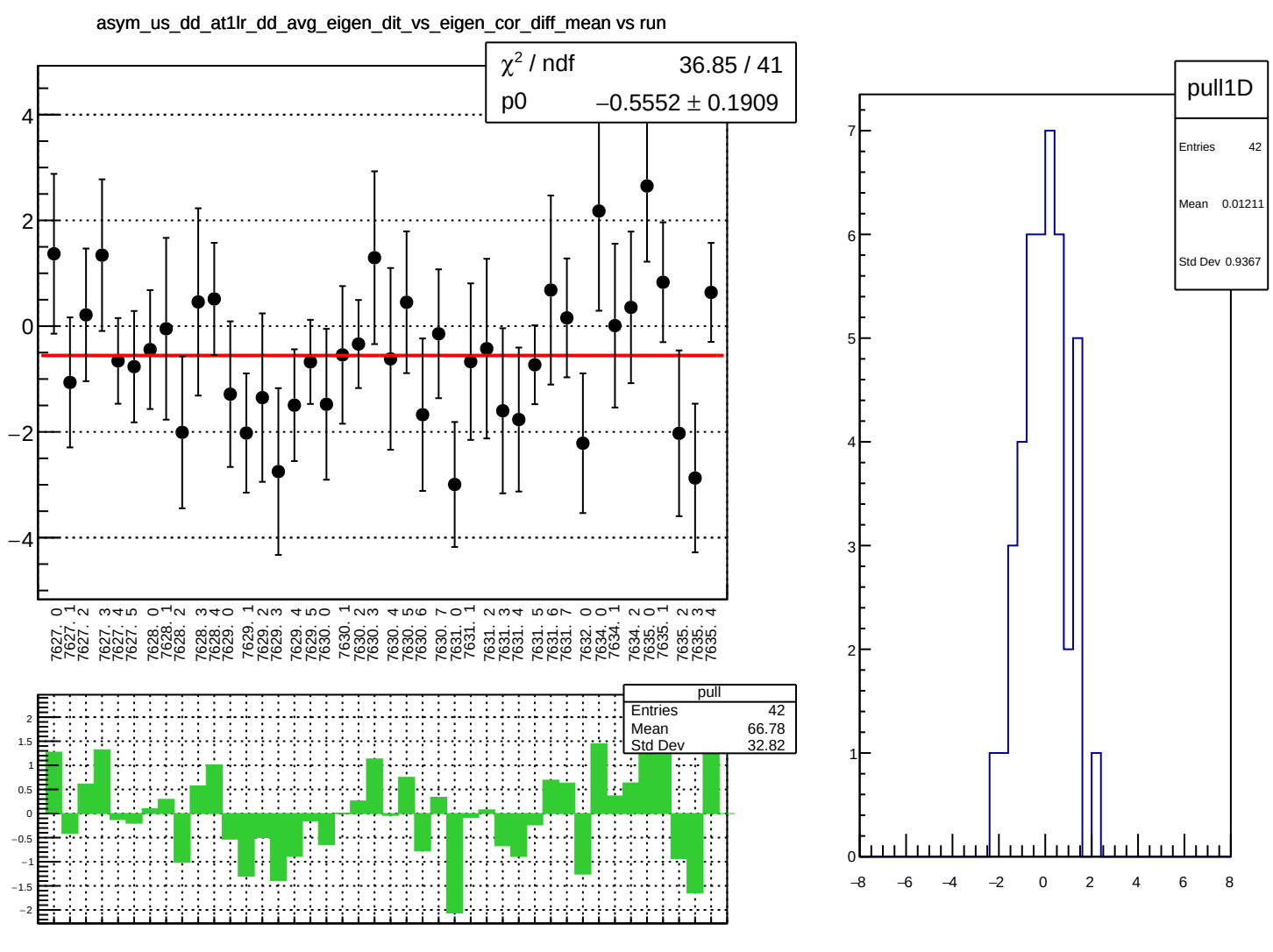

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 31.73 / 41
p0 −8.499e−06 ± 1.184e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 240.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

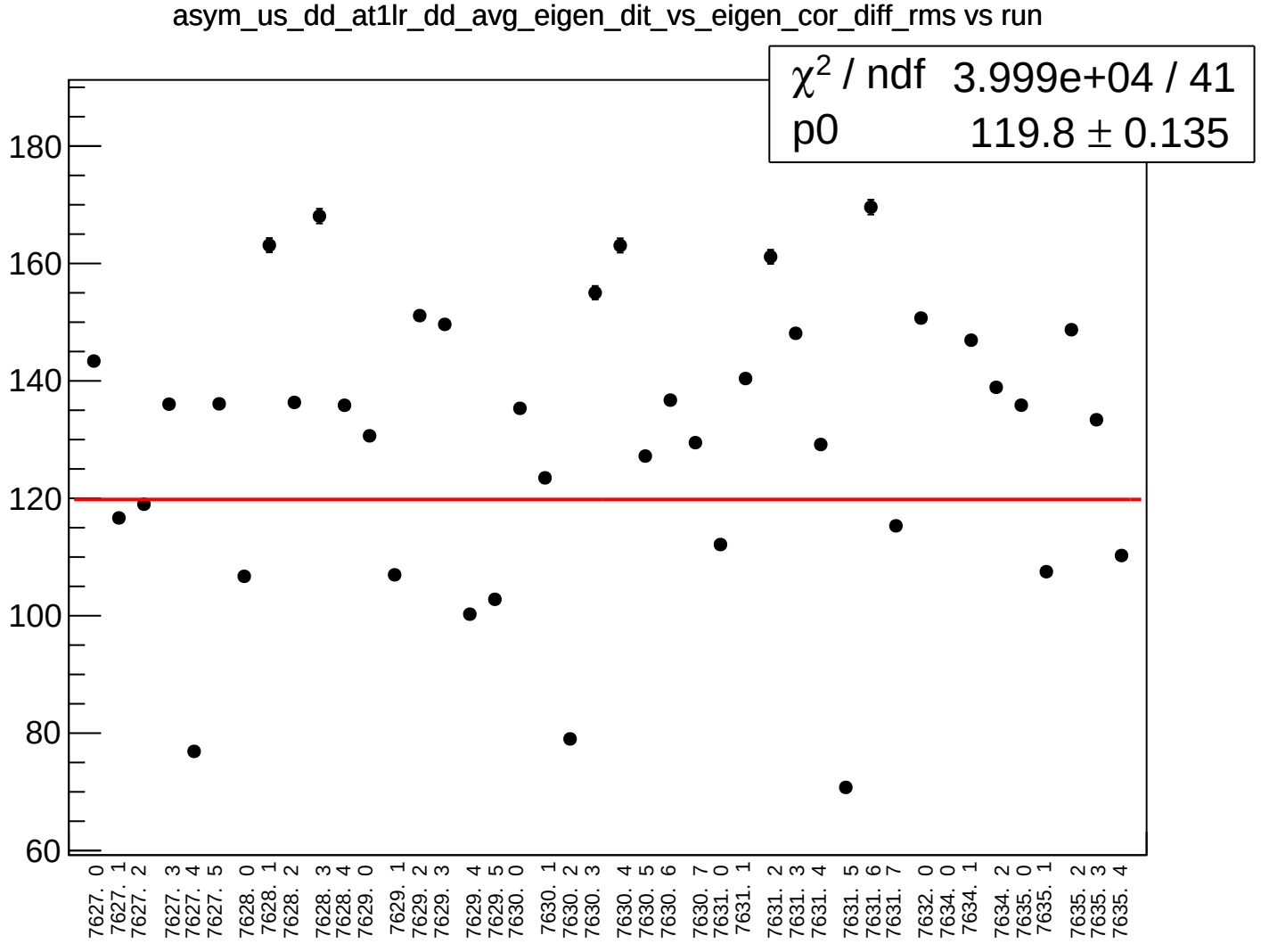

pull1D
Entries 42
Mean 0.0082
Std Dev 0.8691
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

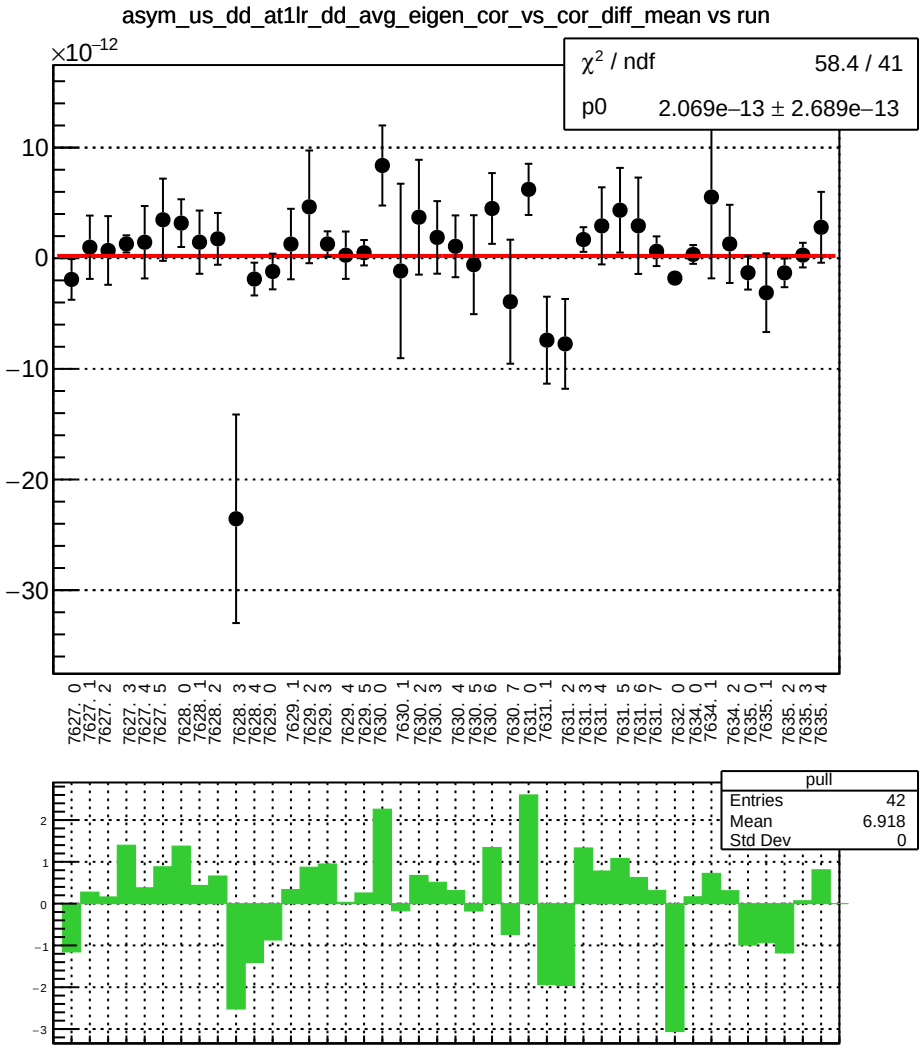

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.167e+04 / 41
p0 0.007519 ± 8.375e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

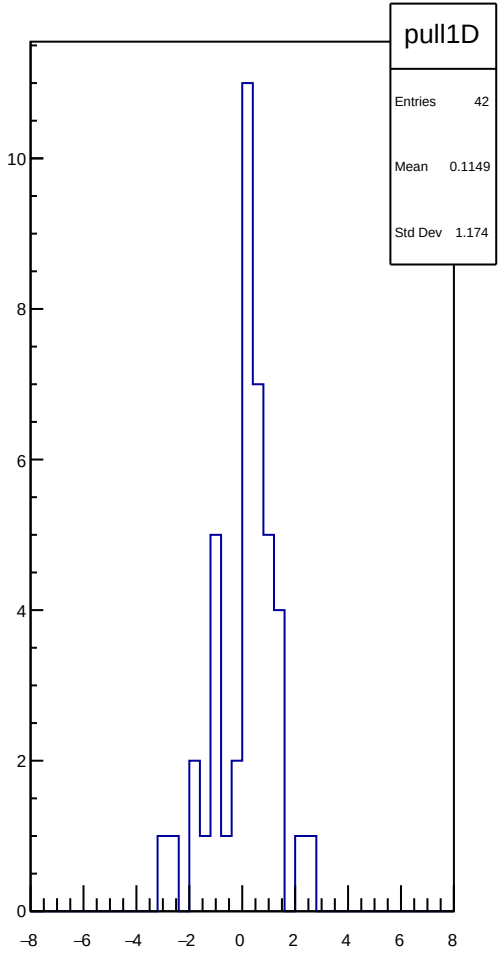

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.85 / 41
p0 −0.5552 ± 0.1909
pull
Entries 42
Mean 66.78
Std Dev 32.82
pull1D
Entries 42
Mean 0.01211
Std Dev 0.9367

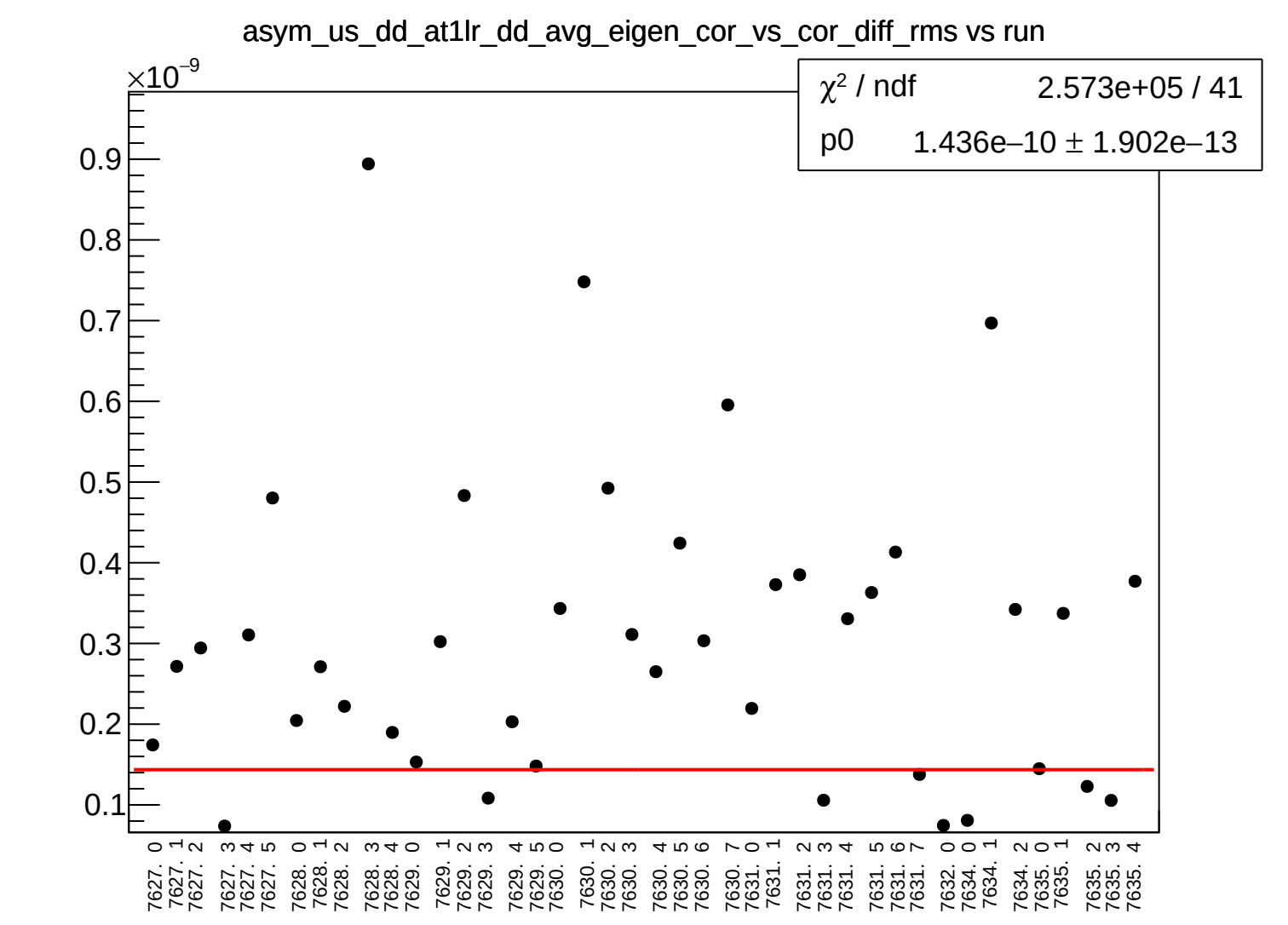

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.999e+04 / 41
p0 119.8 ± 0.135
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

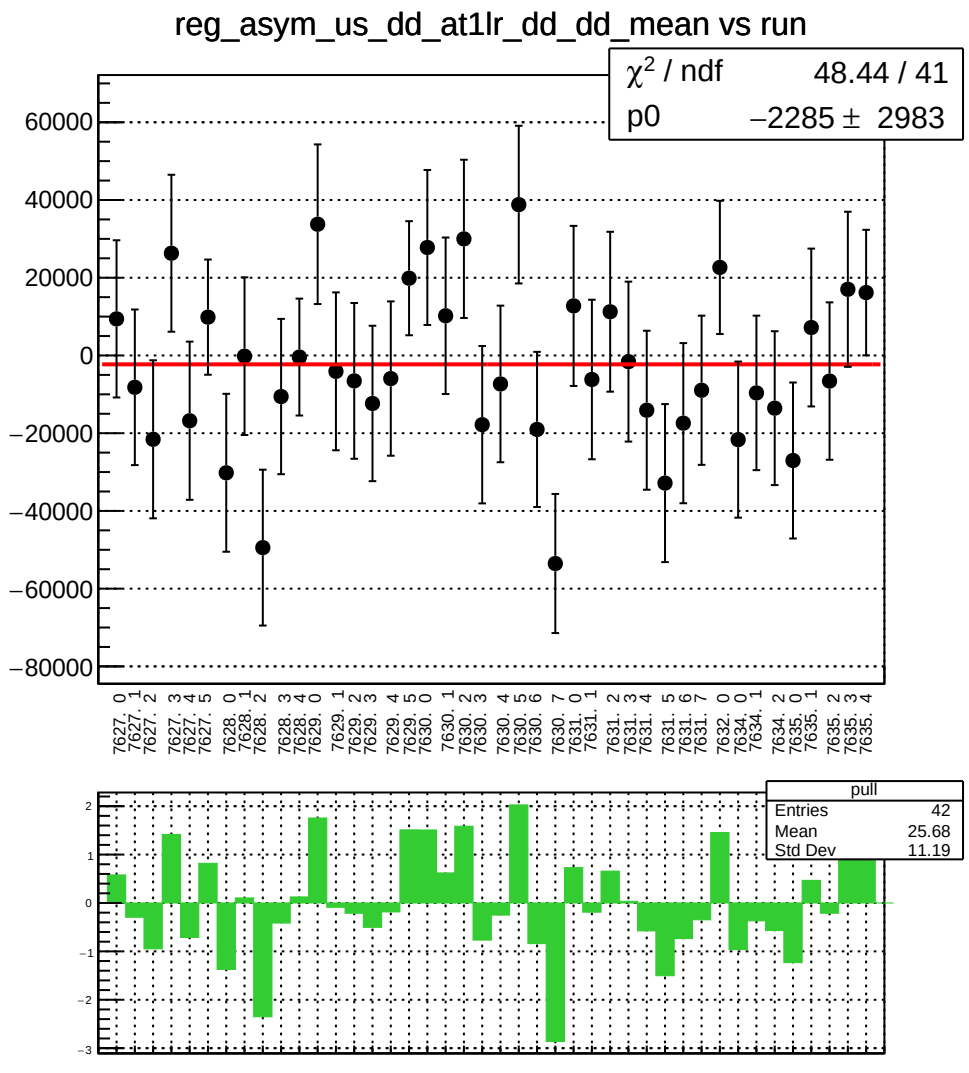

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.85 / 41
p0 −0.5552 ± 0.1909
pull
Entries 42
Mean 66.78
Std Dev 32.82
pull1D
Entries 42
Mean 0.01211
Std Dev 0.9367

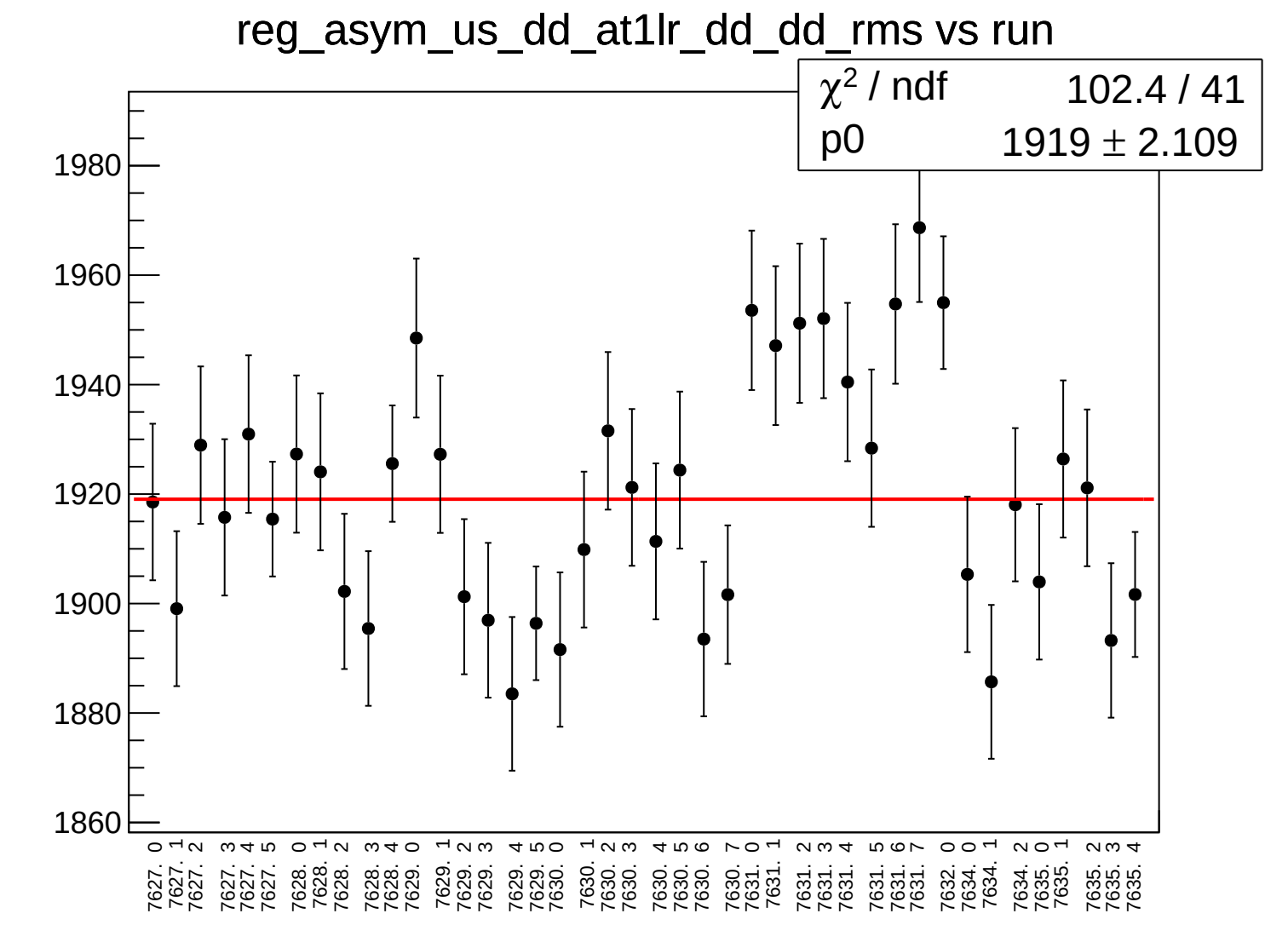

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.999e+04 / 41
p0 119.8 ± 0.135
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

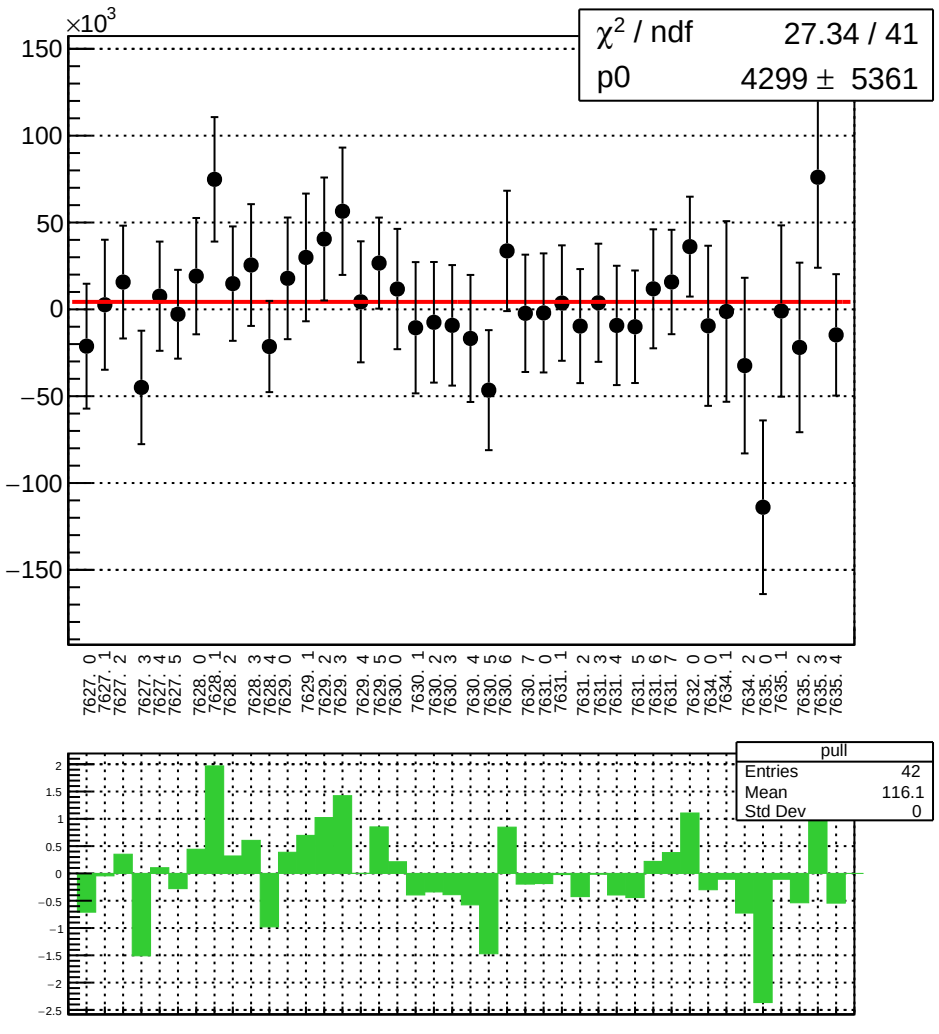

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.4 / 41
p0 2.069e−13 ± 2.689e−13
10
0
−10
−20
−30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 6.918
Std Dev 0
2
1
0
−1
−2
−3

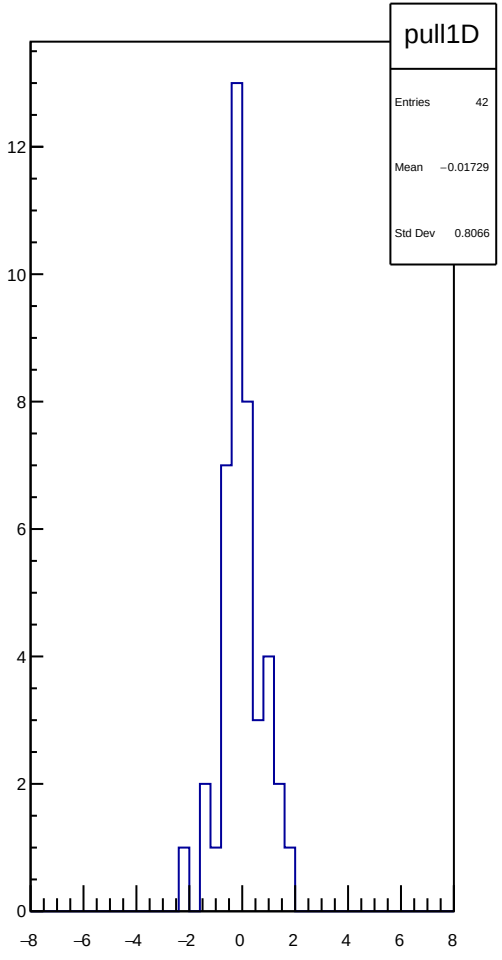

pull1D
Entries 42
Mean 0.1149
Std Dev 1.174
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

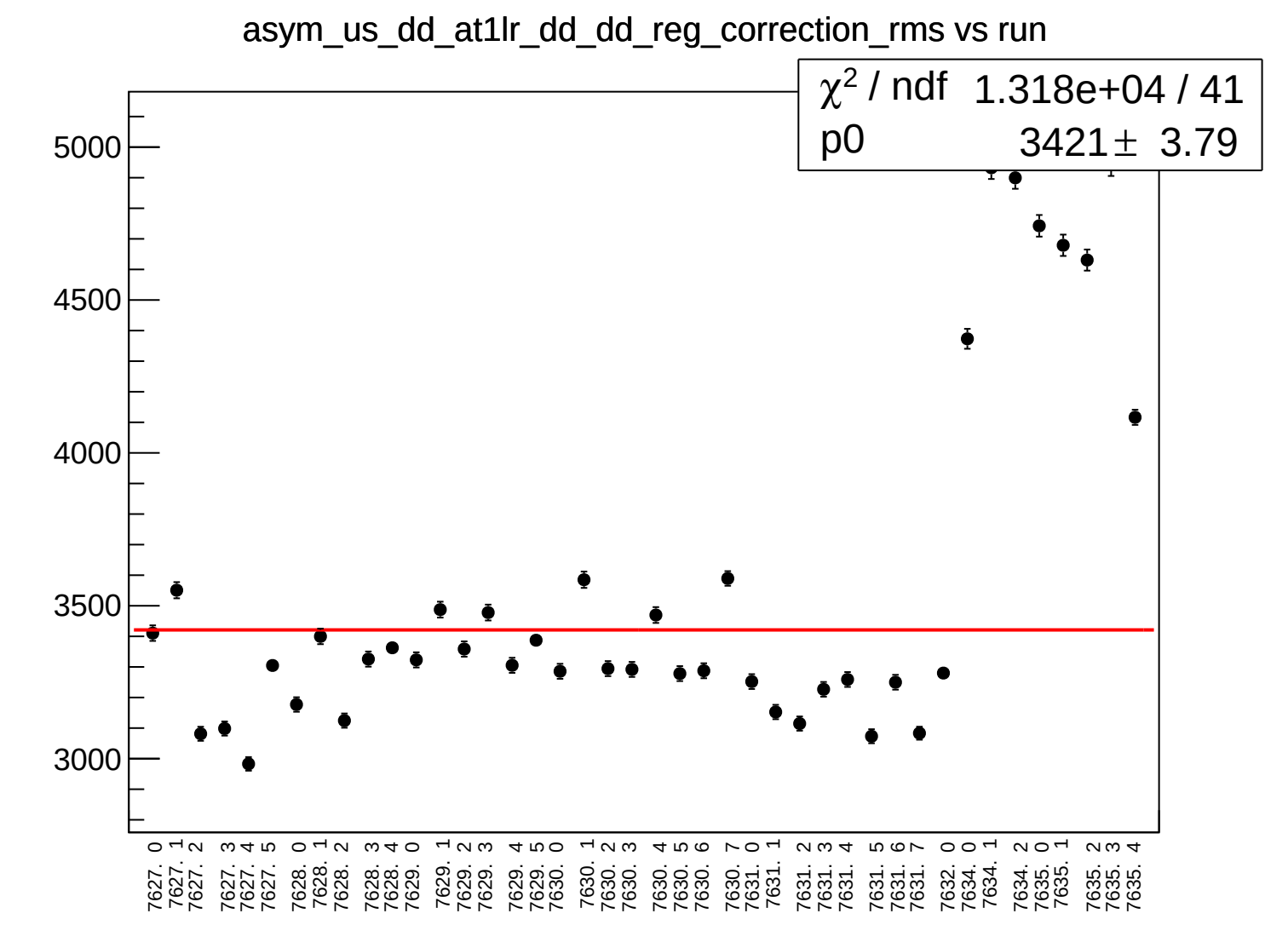

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.573e+05 / 41
p0 1.436e−10 ± 1.902e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

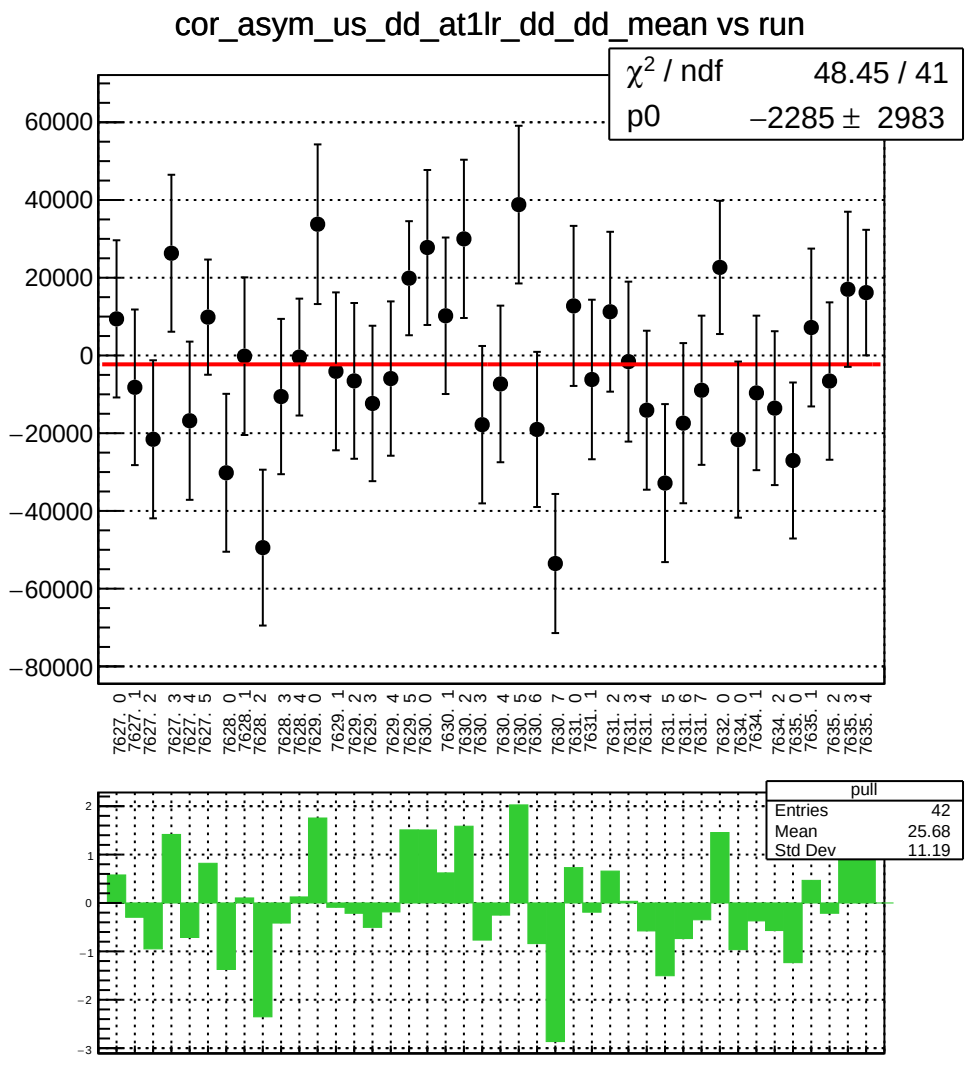

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.44 / 41
p0 −2285 ± 2983
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.68
Std Dev 11.19
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.02386
Std Dev 1.074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

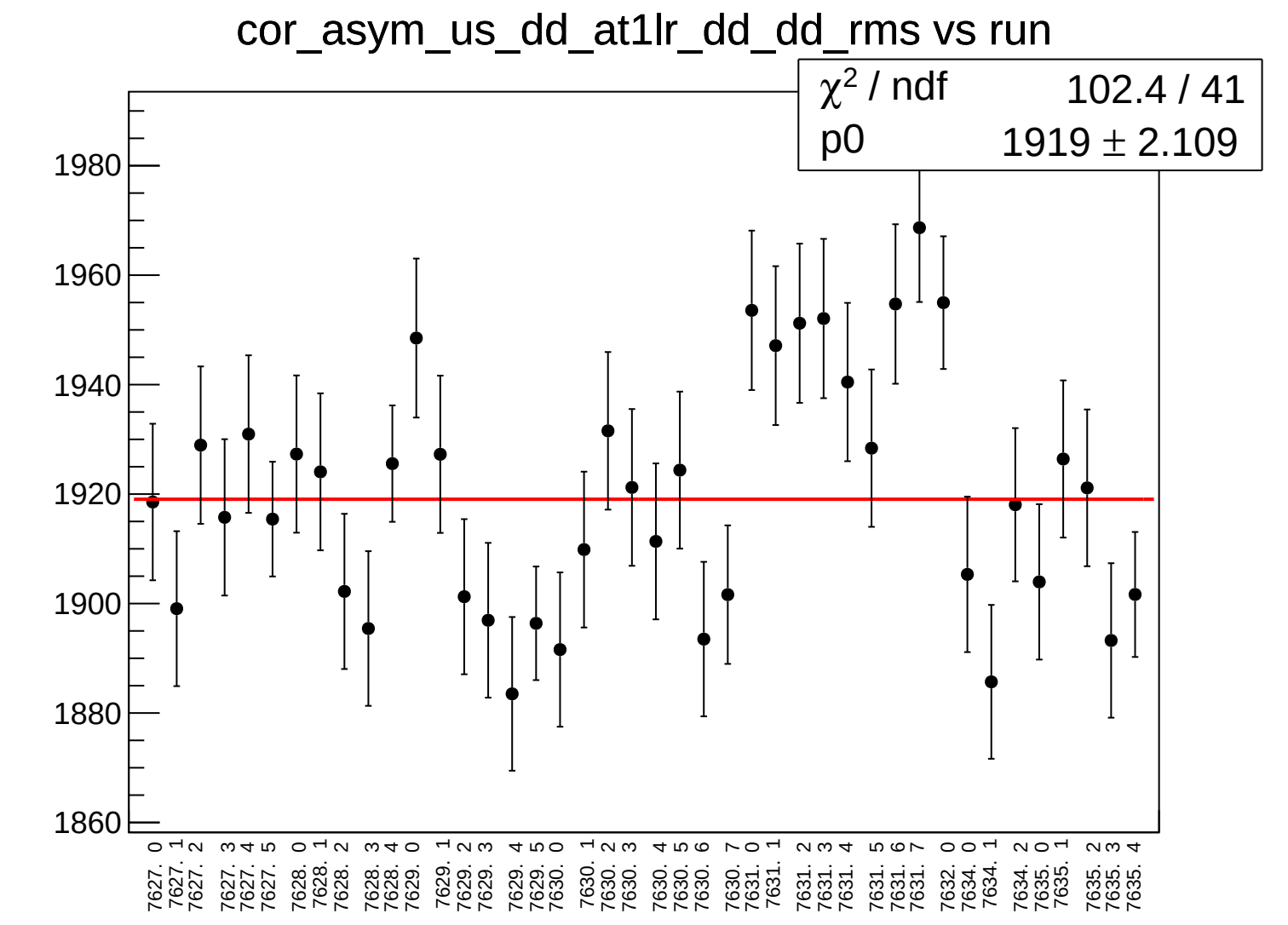

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 102.4 / 41
p0 1919 ± 2.109
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

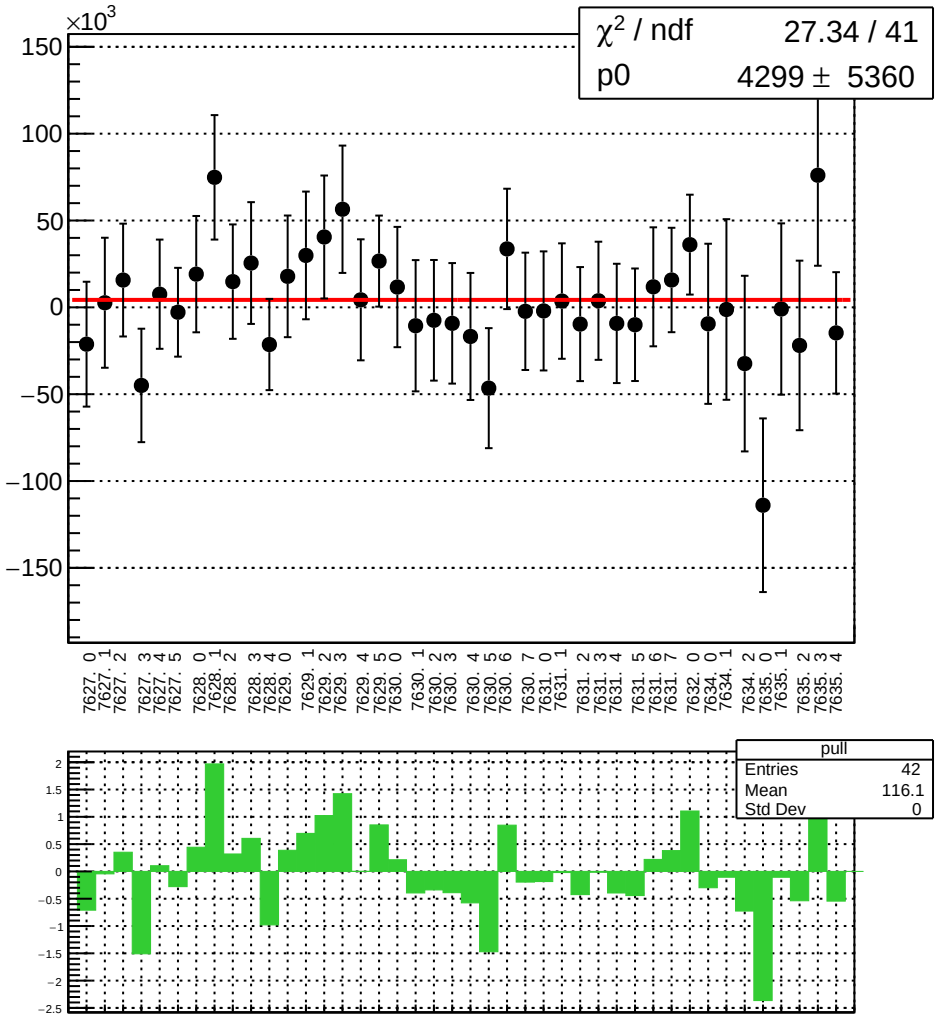

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 27.34 / 41
p0 4299 ± 5361
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 116.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

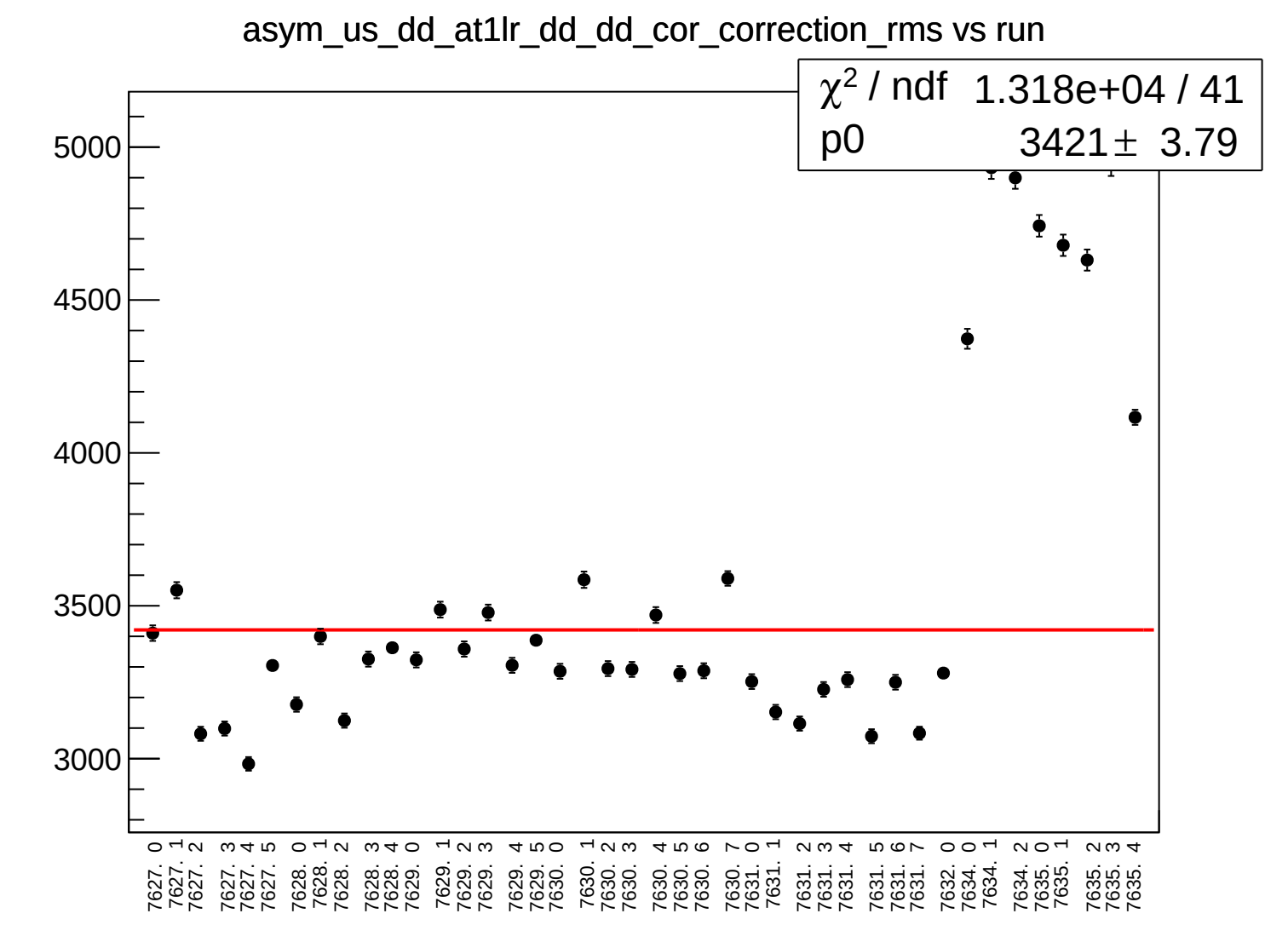

pull1D
Entries 42
Mean −0.01729
Std Dev 0.8066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

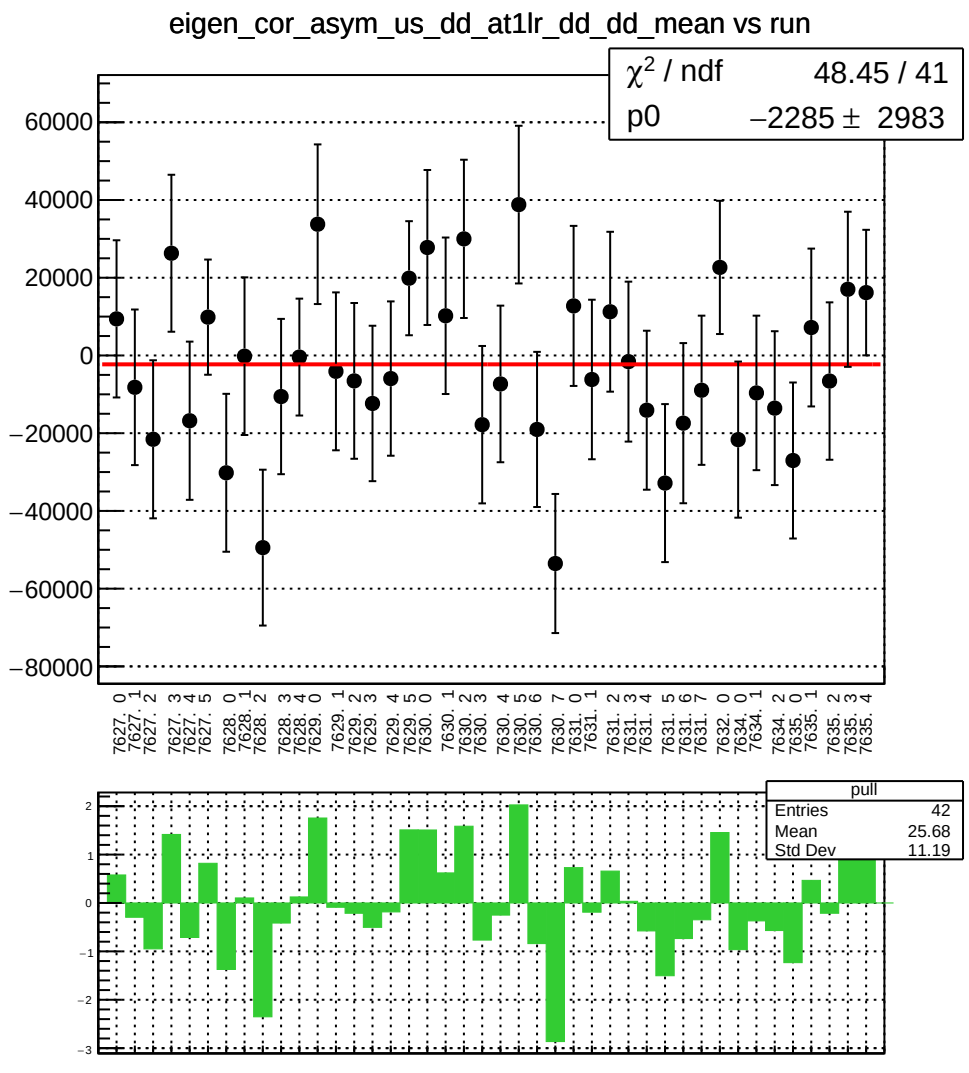

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.318e+04 / 41
p0 3421 ± 3.79
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

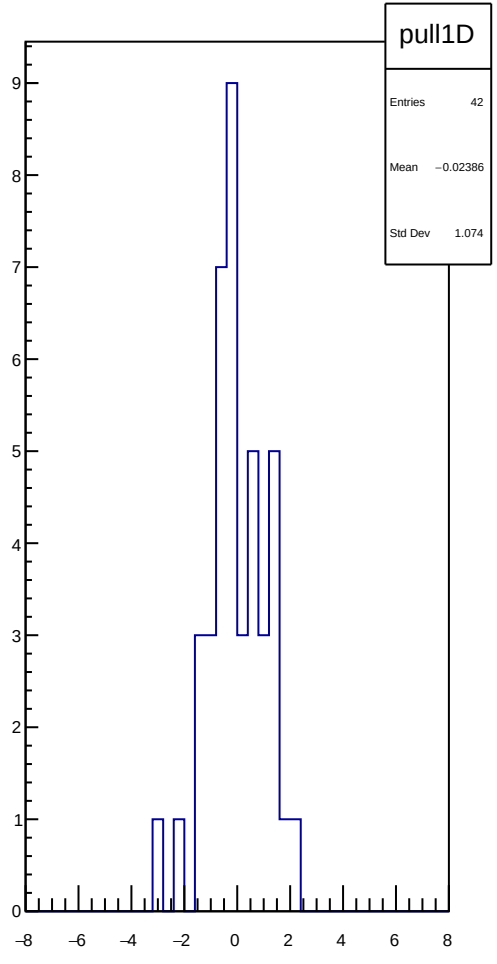

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.45 / 41
p0 −2285 ± 2983
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.68
Std Dev 11.19
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.02386
Std Dev 1.074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

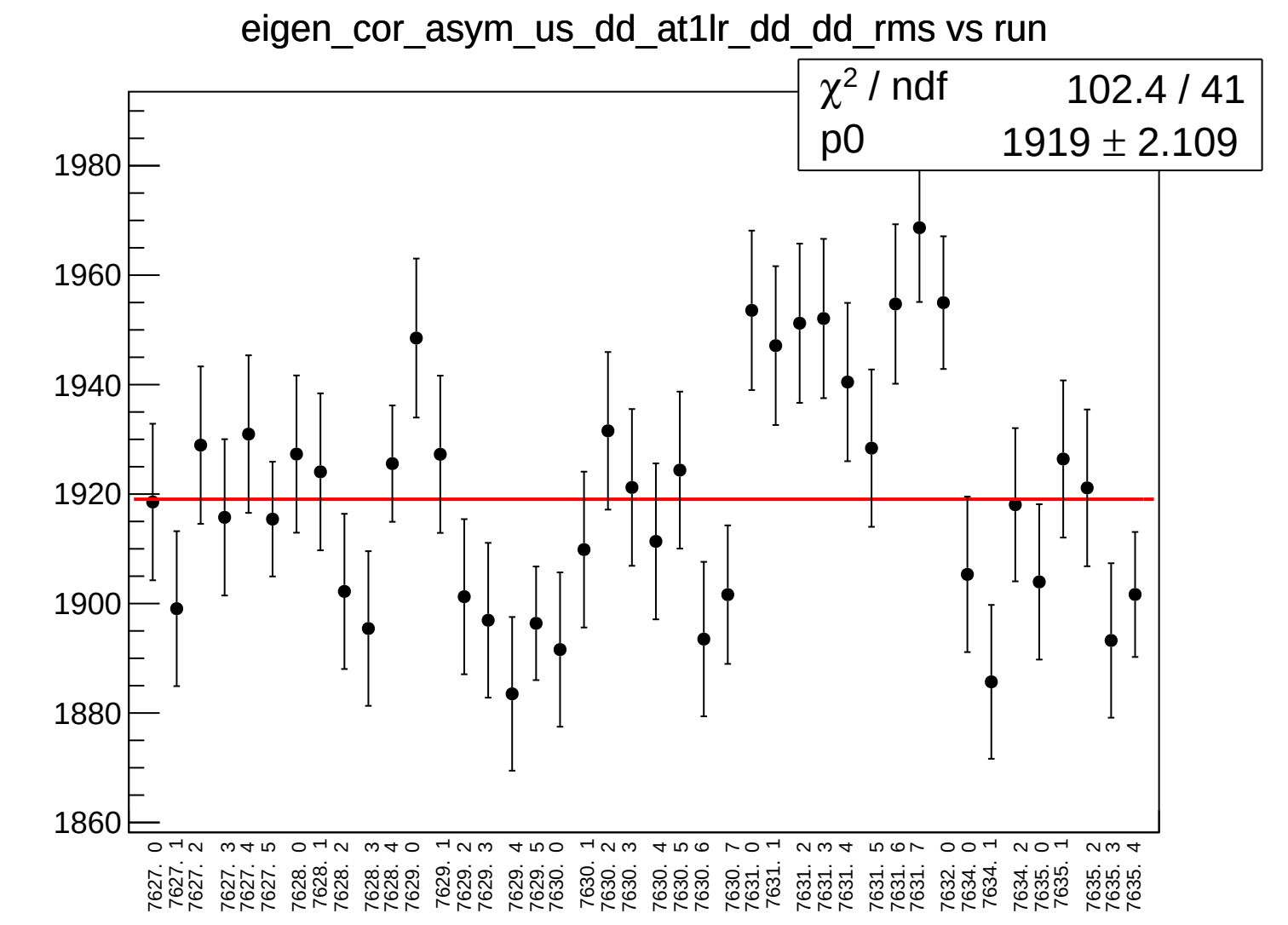

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 102.4 / 41
p0 1919 ± 2.109
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

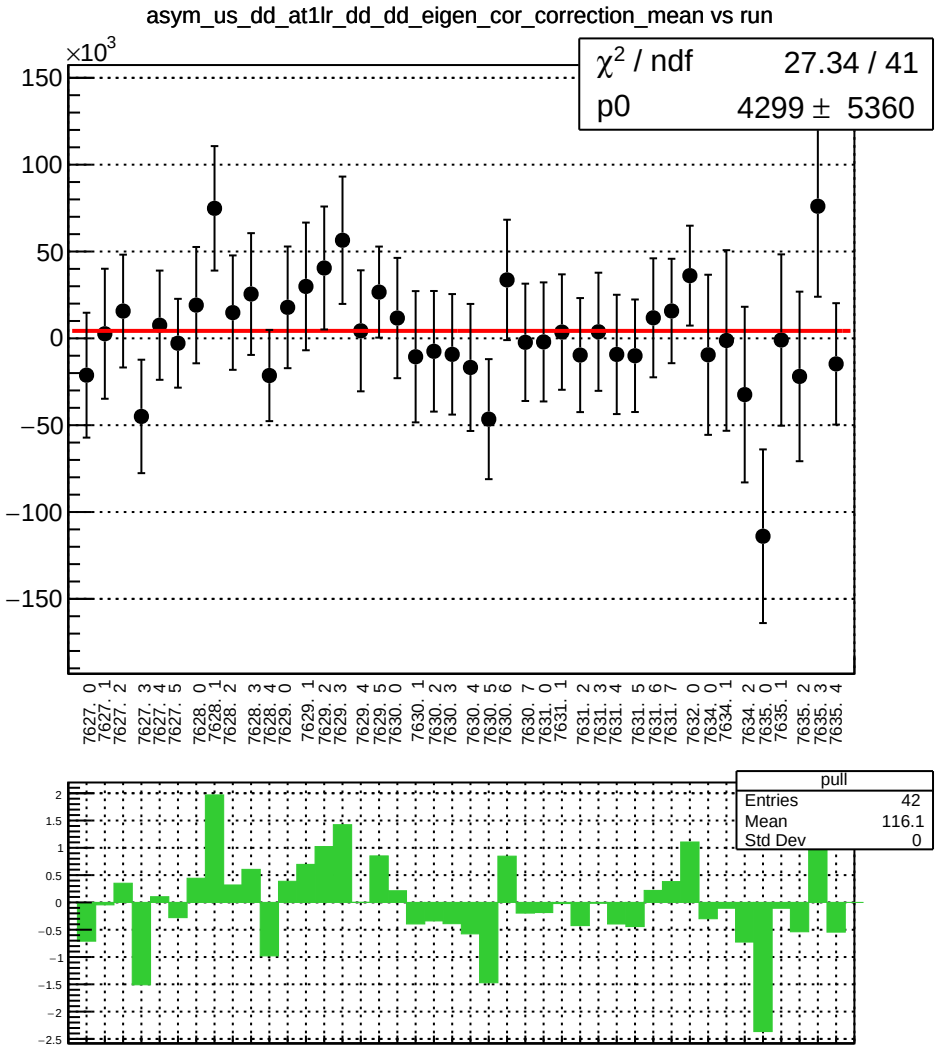

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 27.34 / 41
p0 4299 ± 5360
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 116.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01729
Std Dev 0.8066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

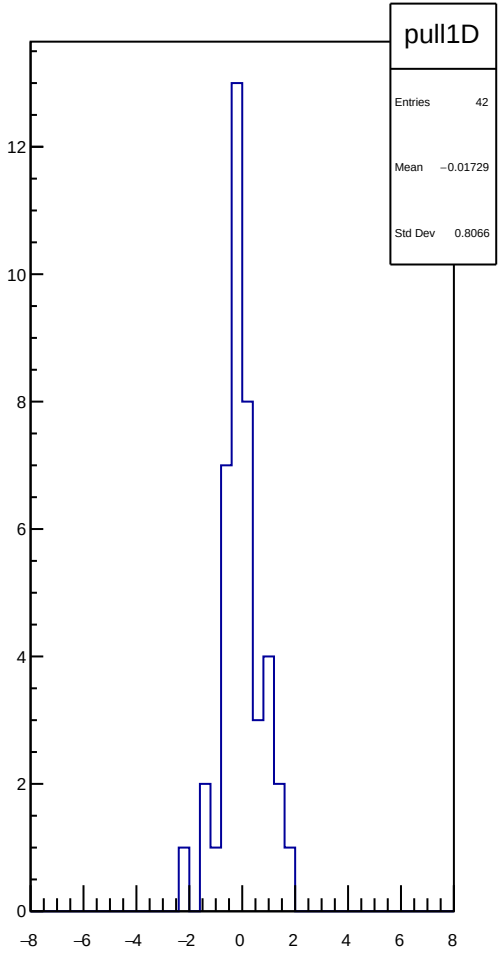

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.318e+04 / 41
p0 3421 ± 3.79
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

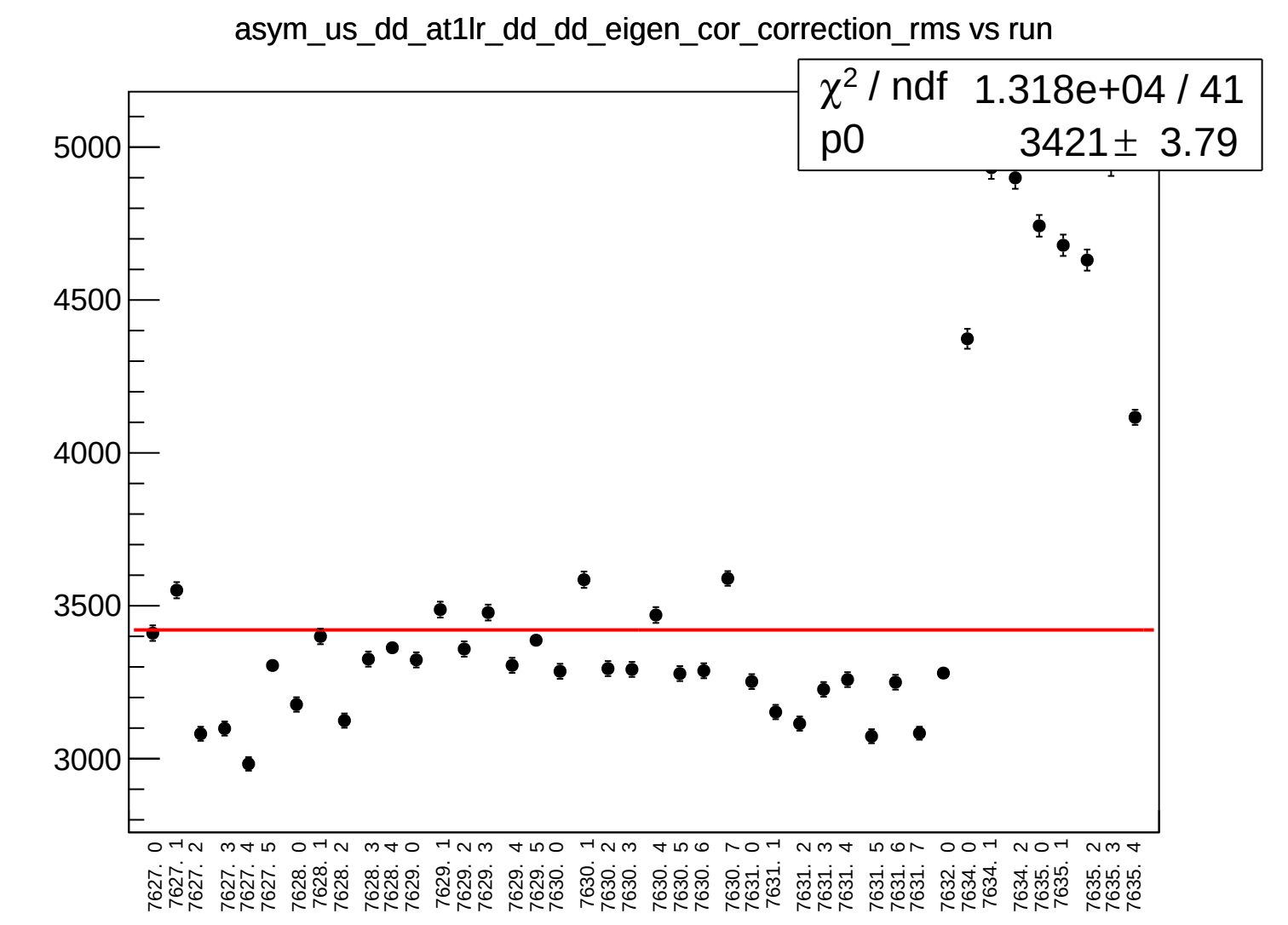

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.45 / 41
p0 −2285 ± 2983
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.68
Std Dev 11.19
2
1
0
−1
−2
−3

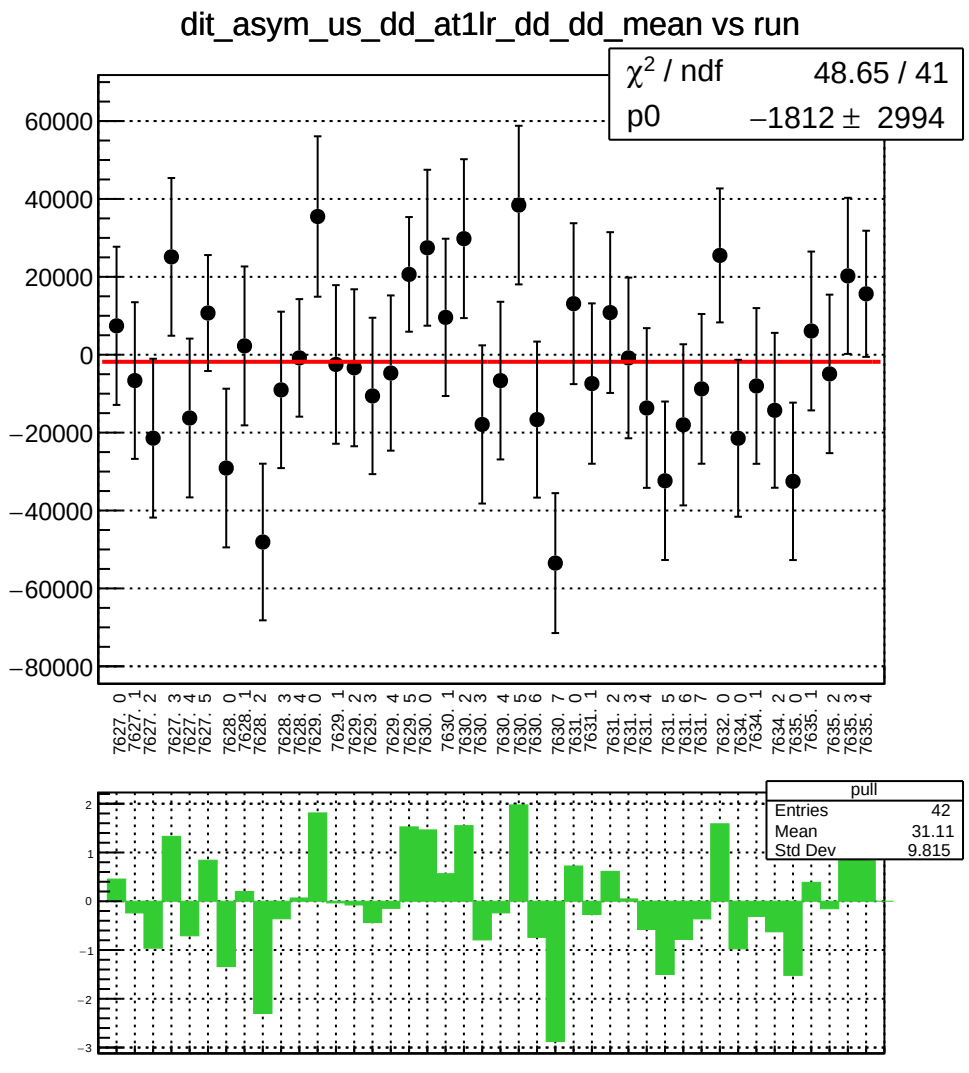

pull1D
Entries 42
Mean −0.02386
Std Dev 1.074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

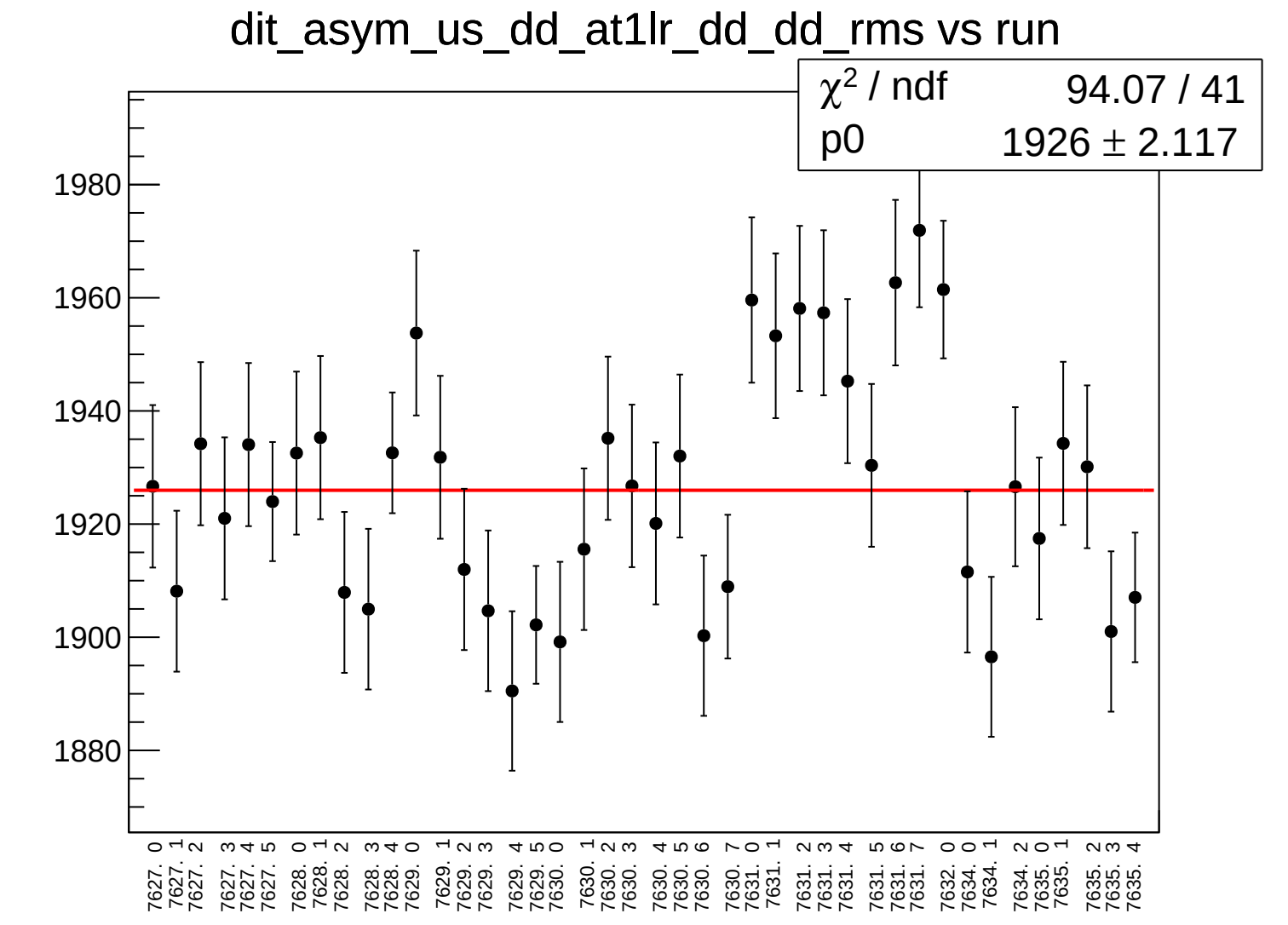

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 102.4 / 41
p0 1919 ± 2.109
1980
1960
1940
1920
1900
1880
1860
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

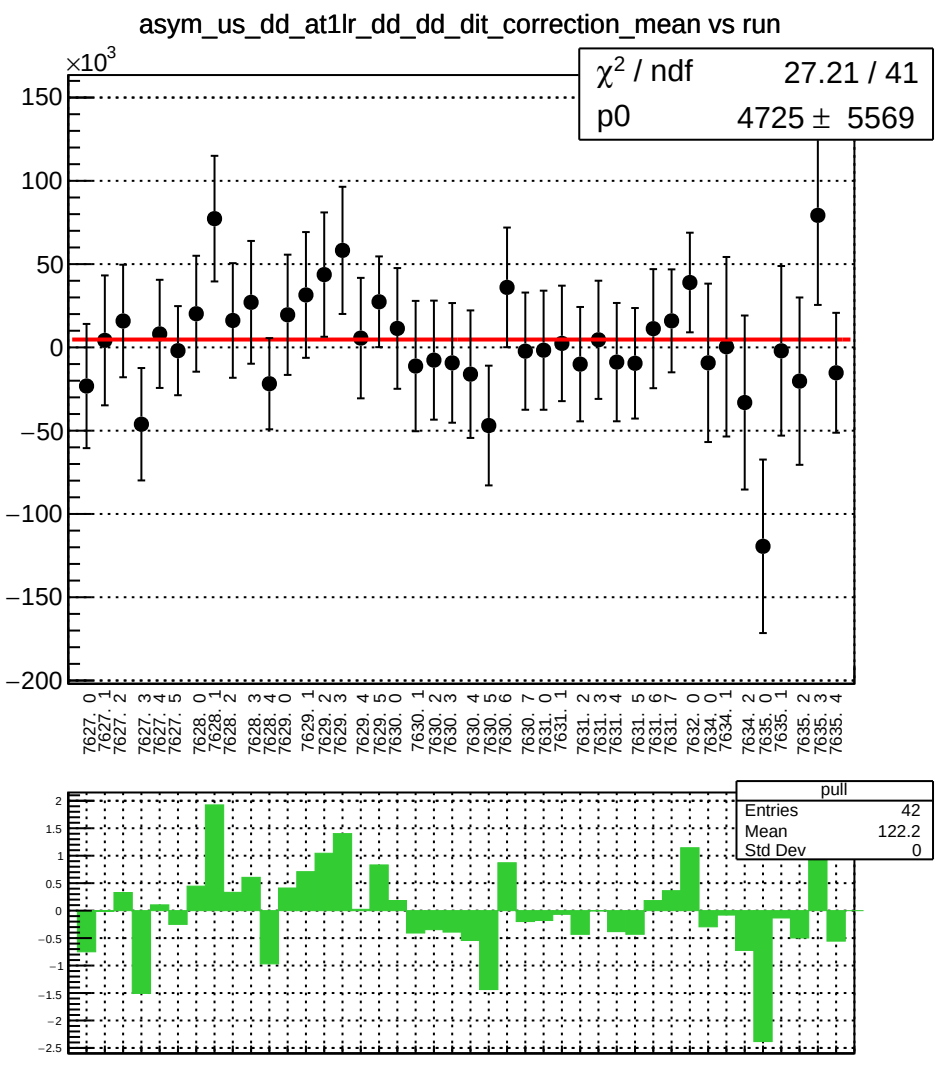

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 27.34 / 41
p0 4299 ± 5360
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 116.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

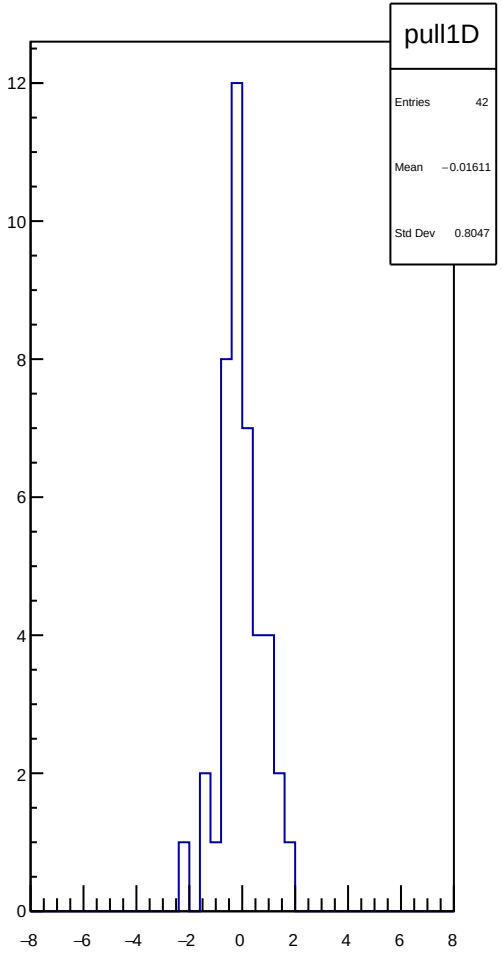

pull1D
Entries 42
Mean −0.01729
Std Dev 0.8066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

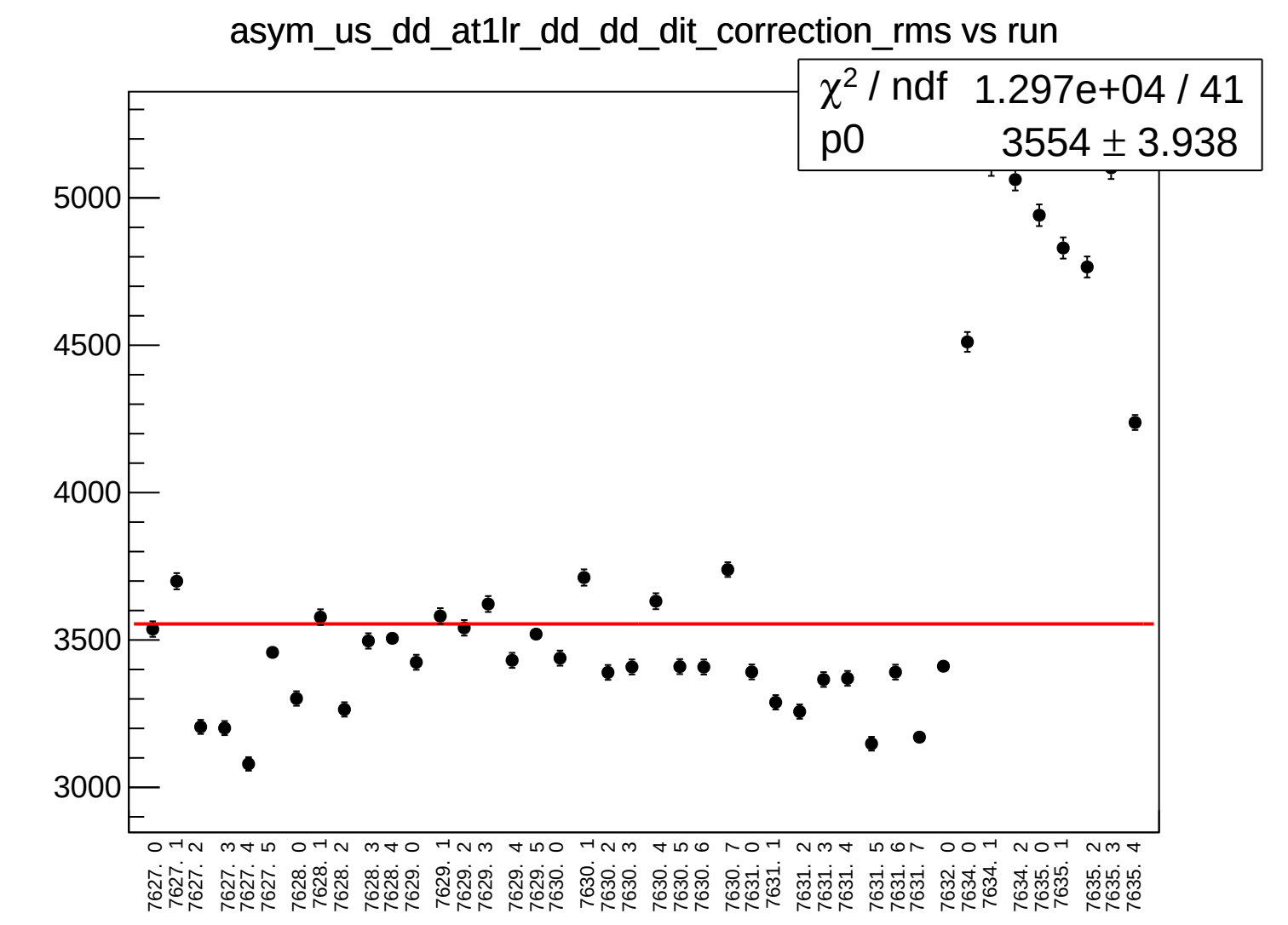

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.318e+04 / 41
p0 3421 ± 3.79
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

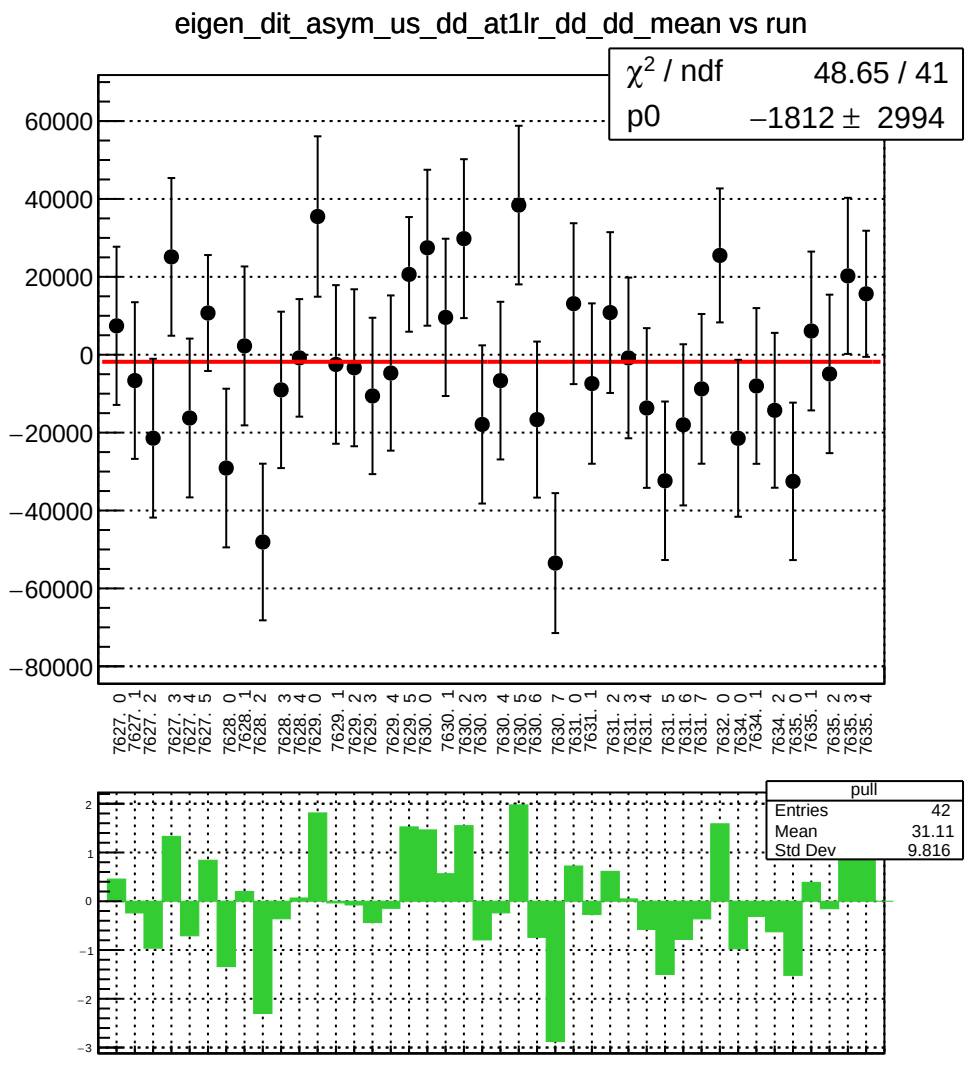

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.65 / 41
p0 −1812 ± 2994
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.11
Std Dev 9.815
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.02404
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

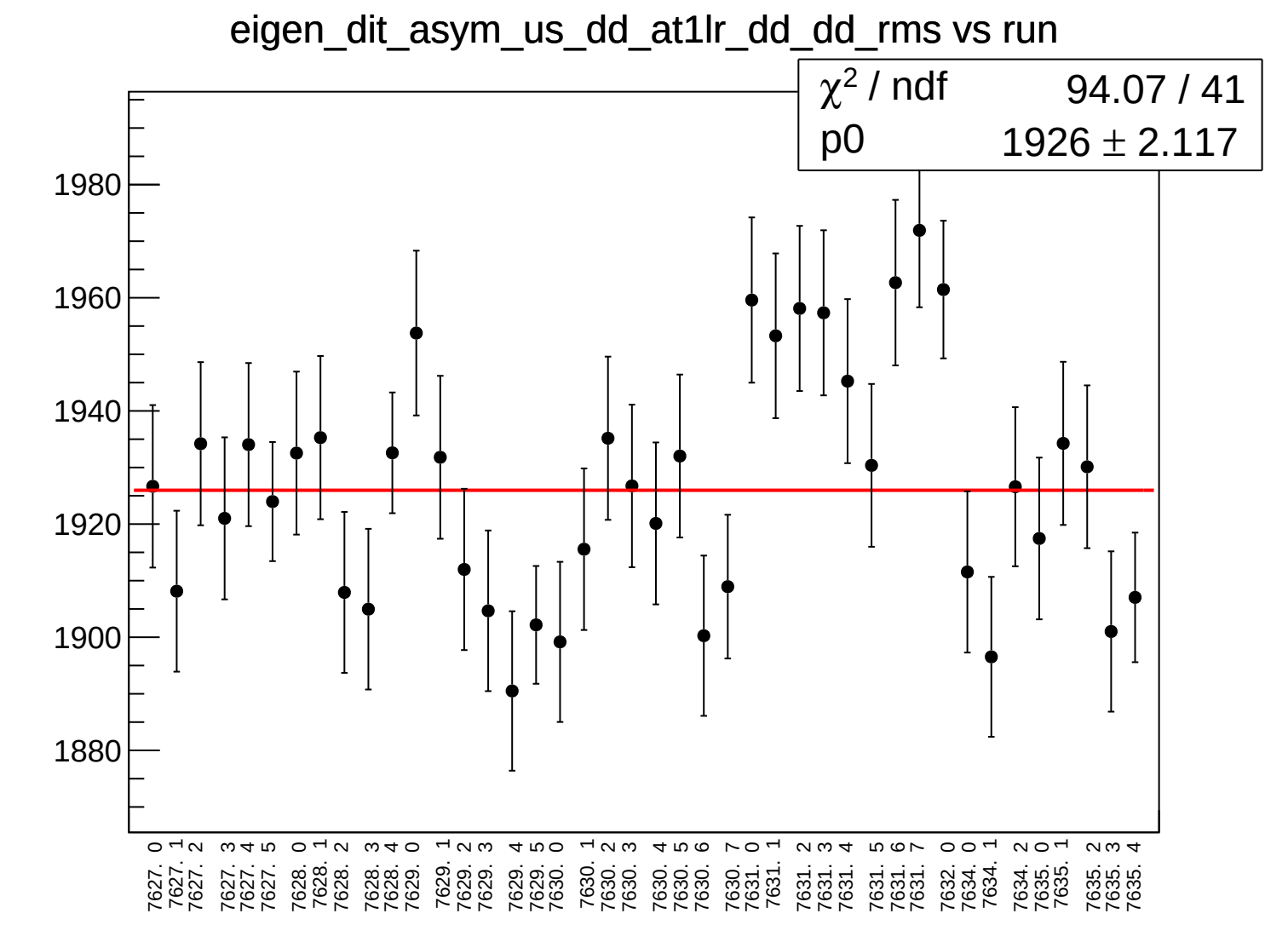

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 94.07 / 41
p0 1926 ± 2.117
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

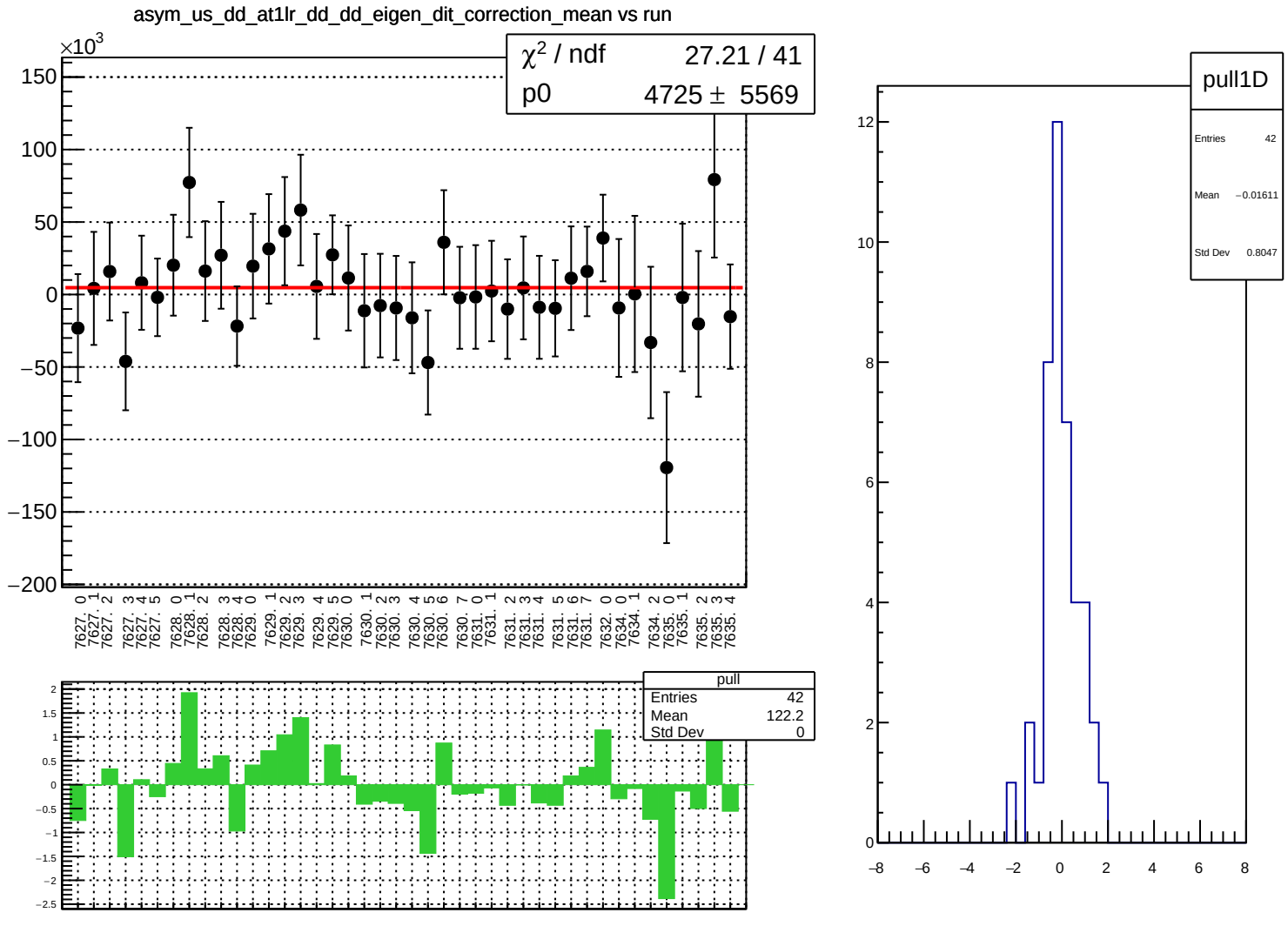

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 27.21 / 41
p0 4725 ± 5569
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 122.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

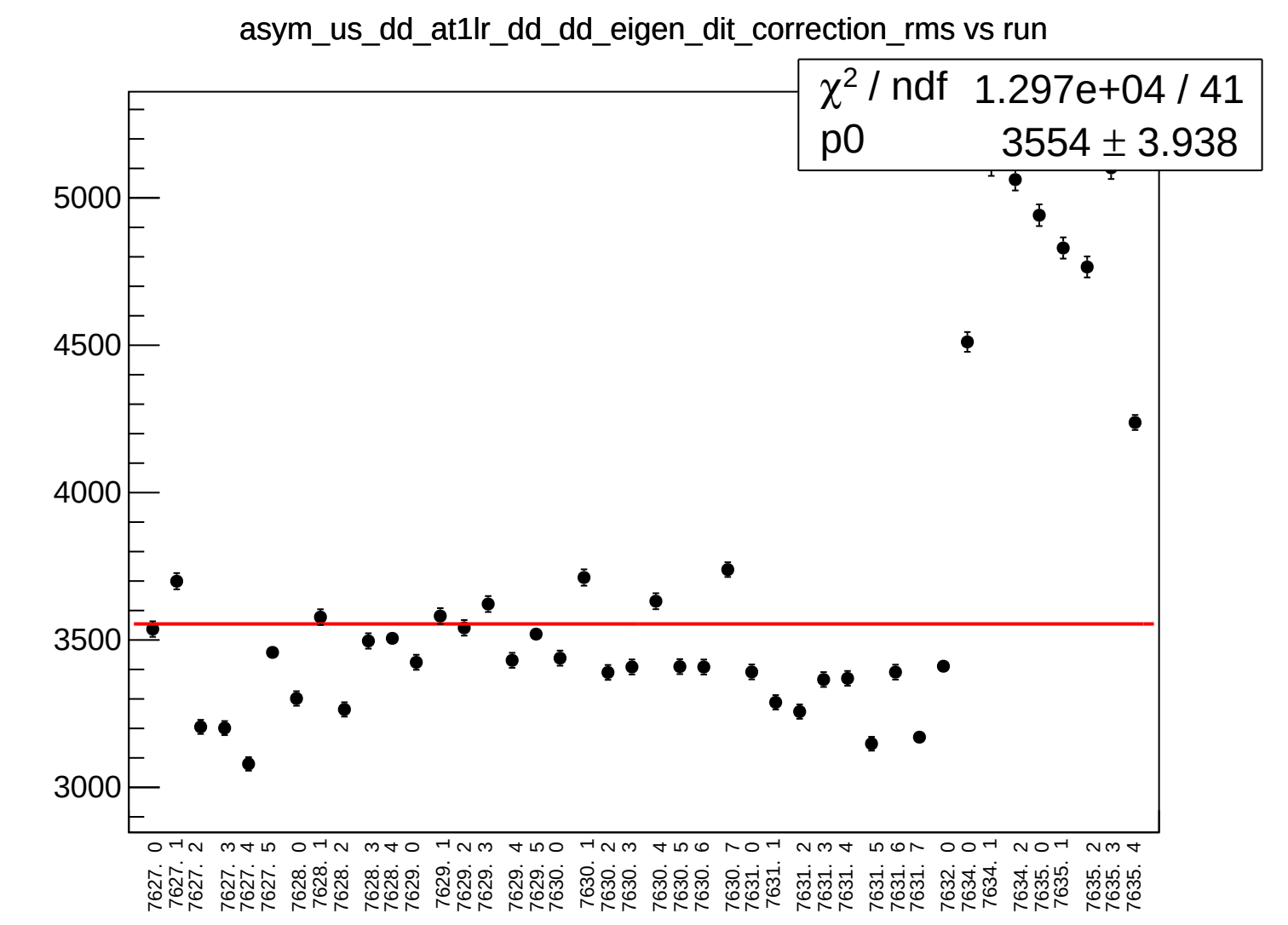

pull1D
Entries 42
Mean −0.01611
Std Dev 0.8047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

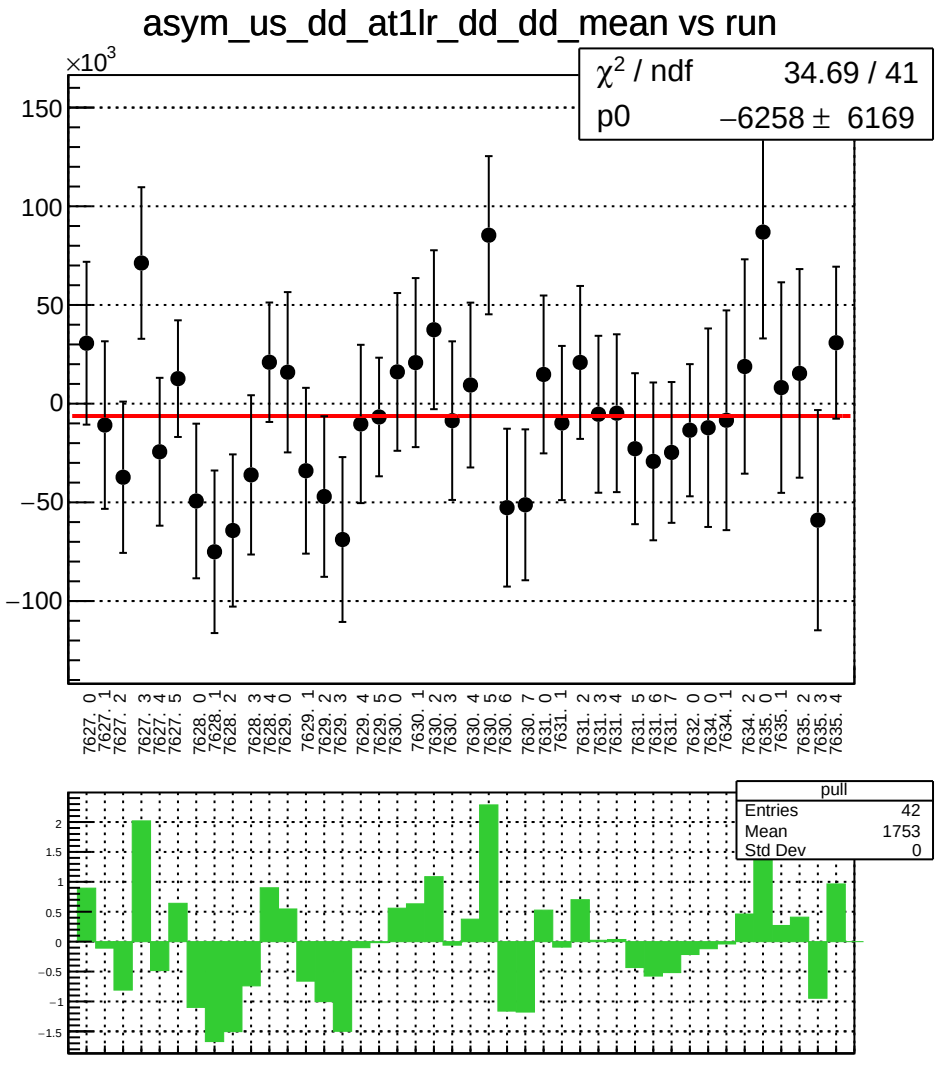

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.297e+04 / 41
p0 3554 ± 3.938
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

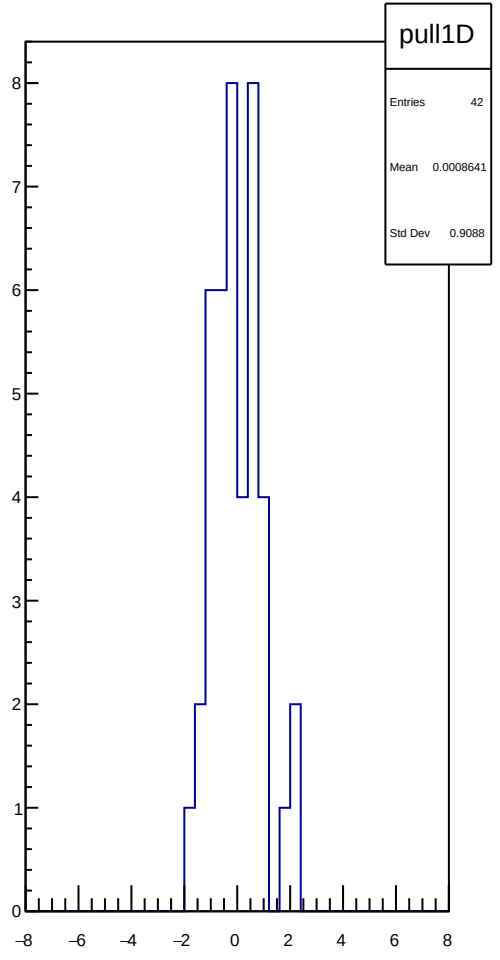

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 48.65 / 41
p0 −1812 ± 2994
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.11
Std Dev 9.816
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.02404
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

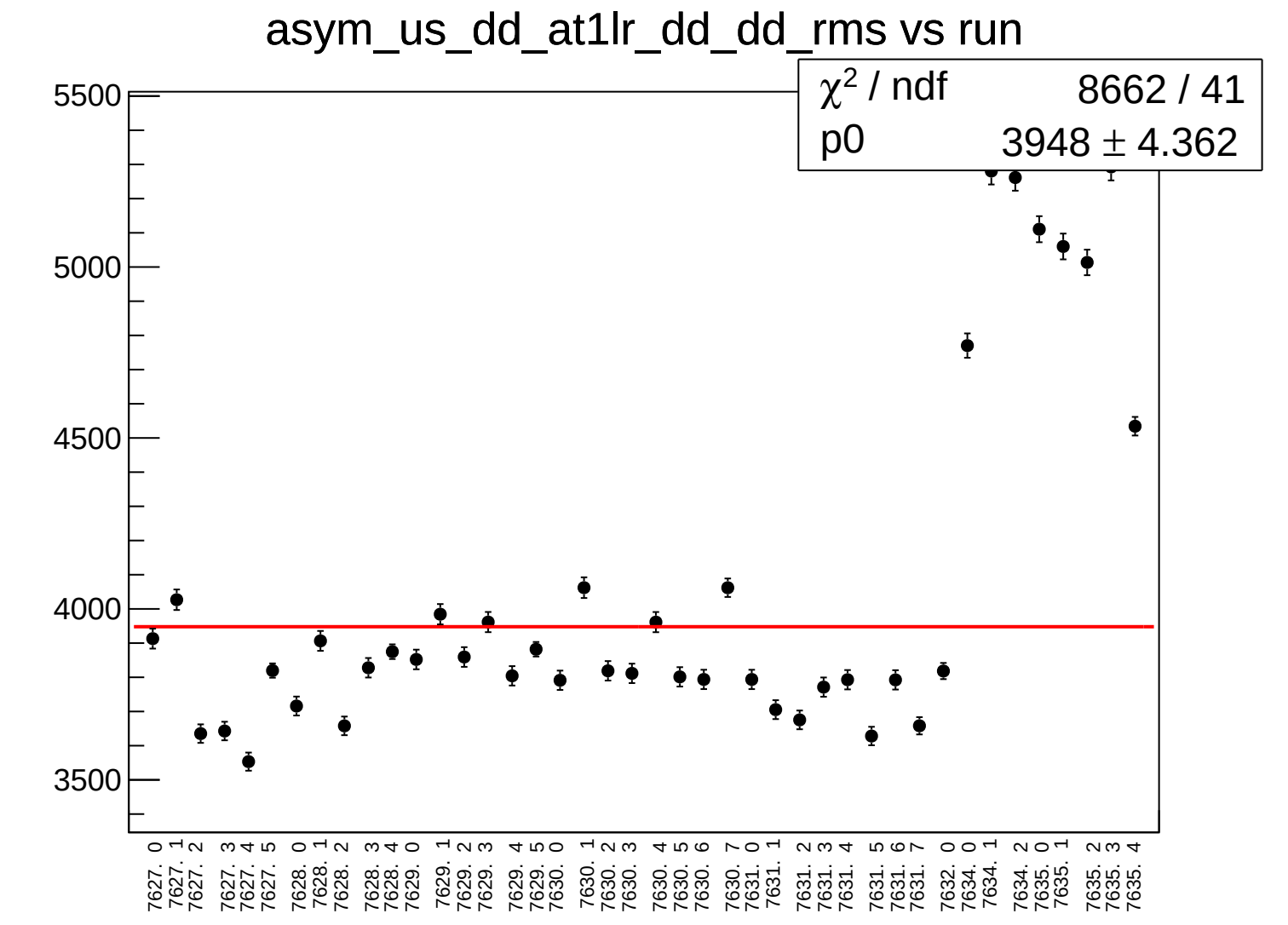

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 94.07 / 41
p0 1926 ± 2.117
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

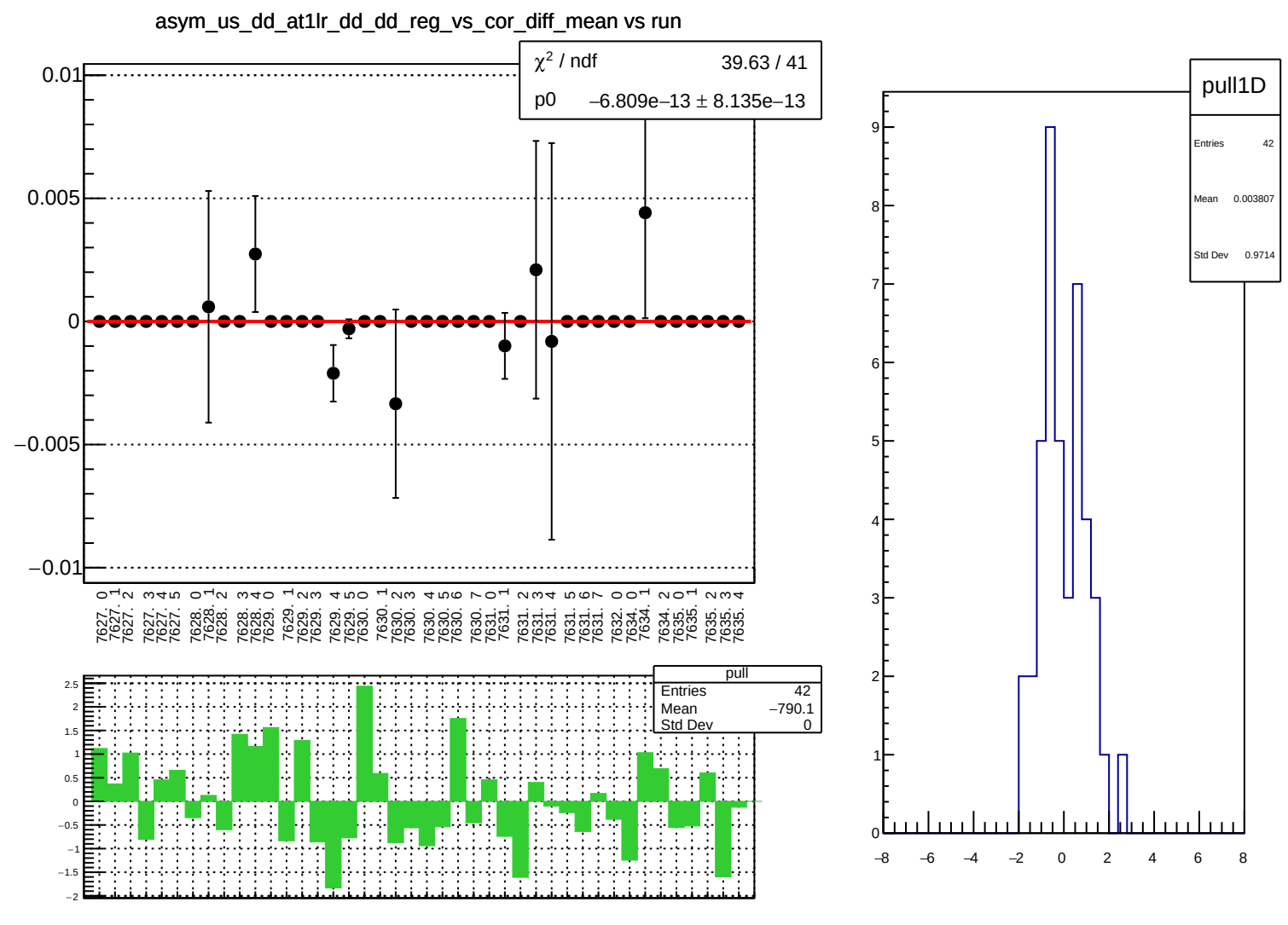

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 27.21 / 41
p0 4725 ± 5569
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 122.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01611
Std Dev 0.8047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

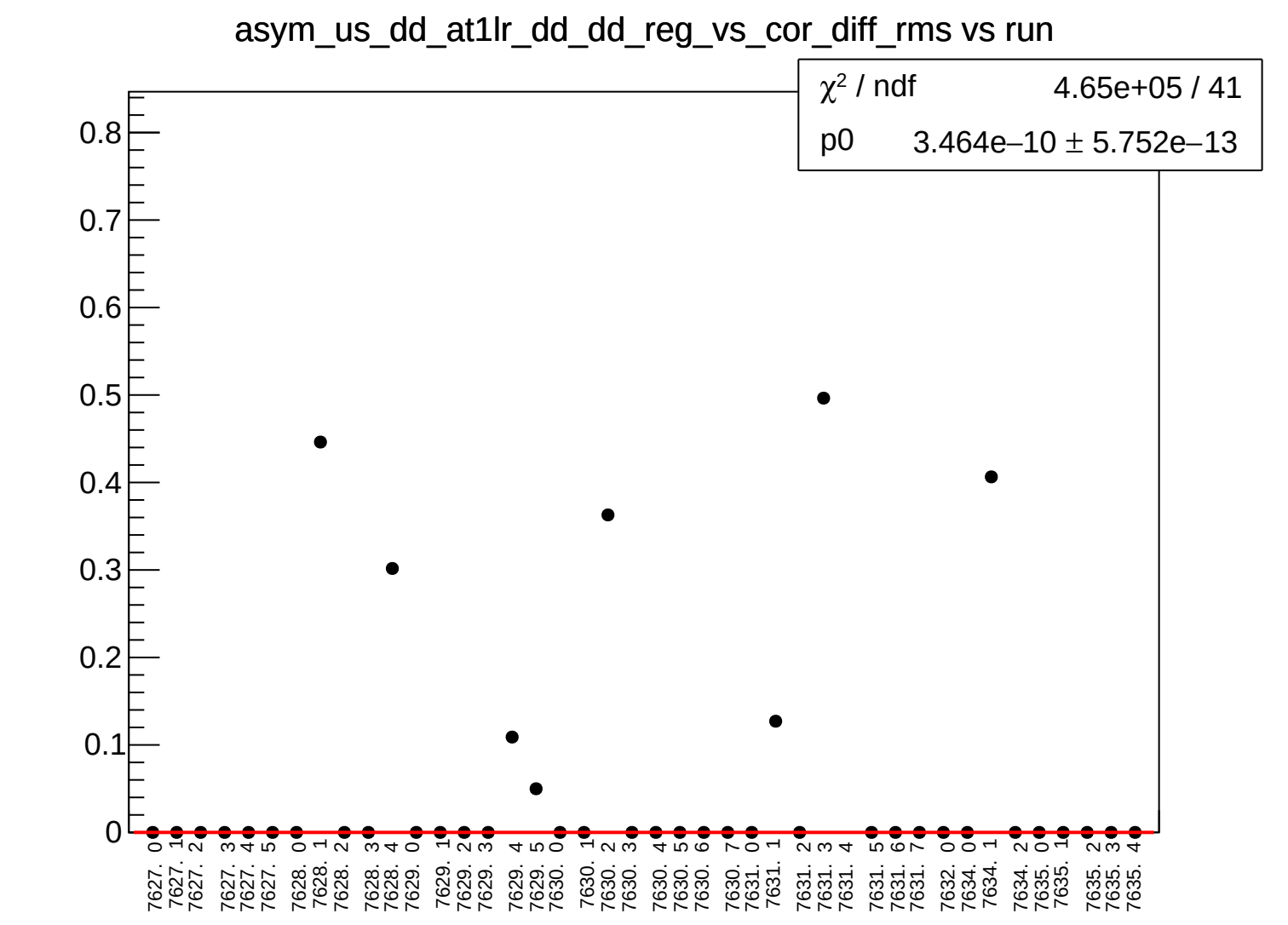

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.297e+04 / 41
p0 3554 ± 3.938
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

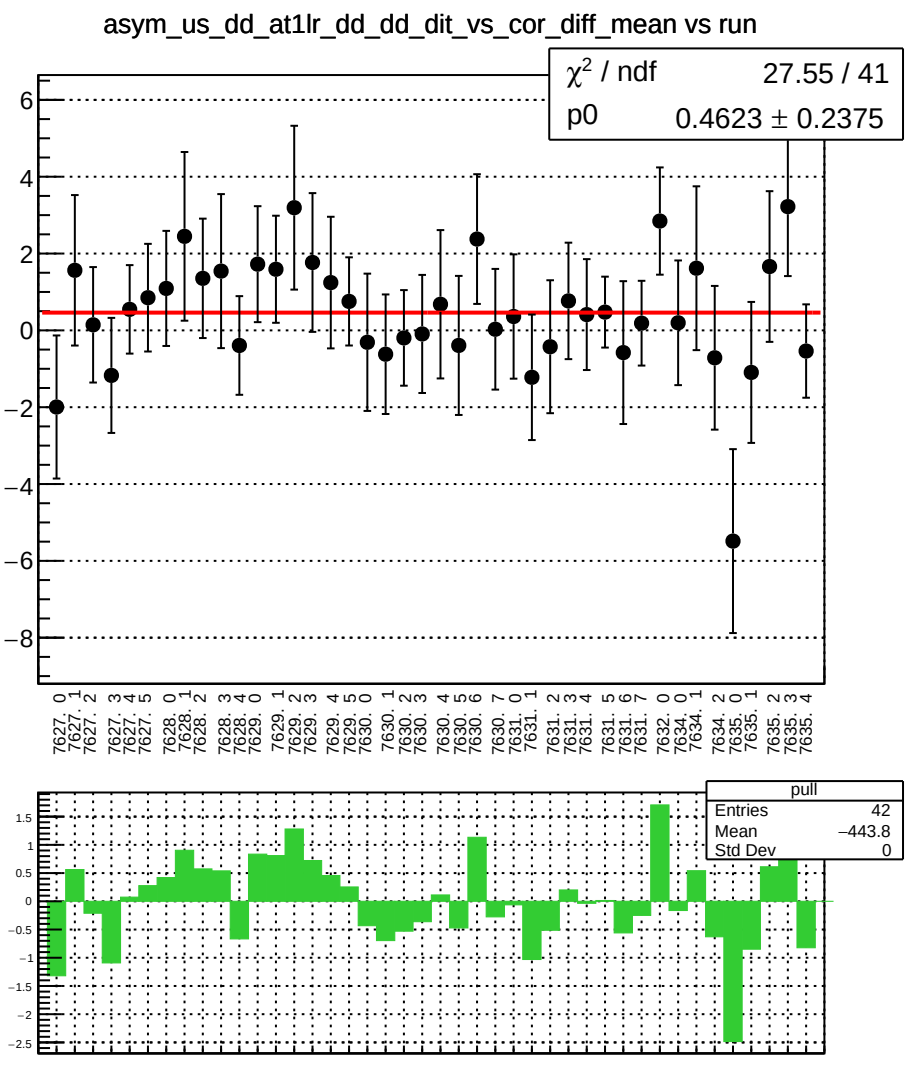

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 34.69 / 41
p0 −6258 ± 6169
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1753
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

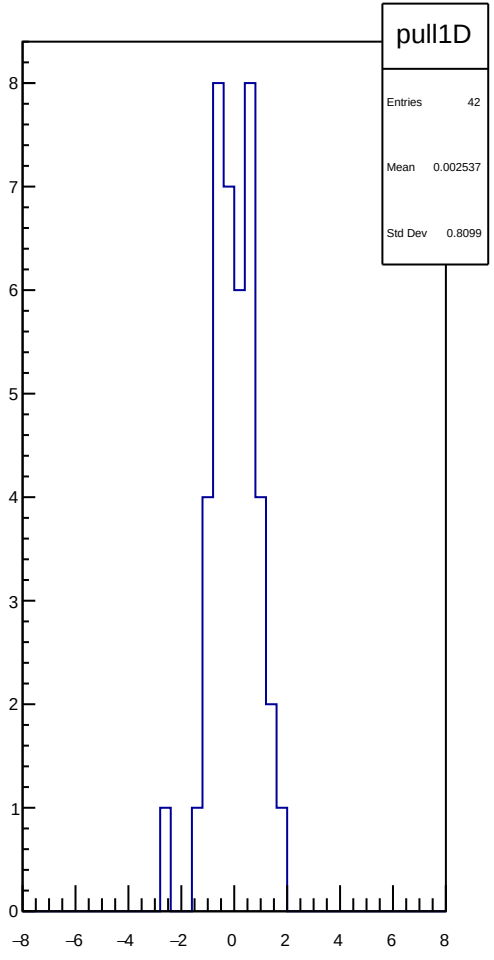

pull1D
Entries 42
Mean 0.0008641
Std Dev 0.9088
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

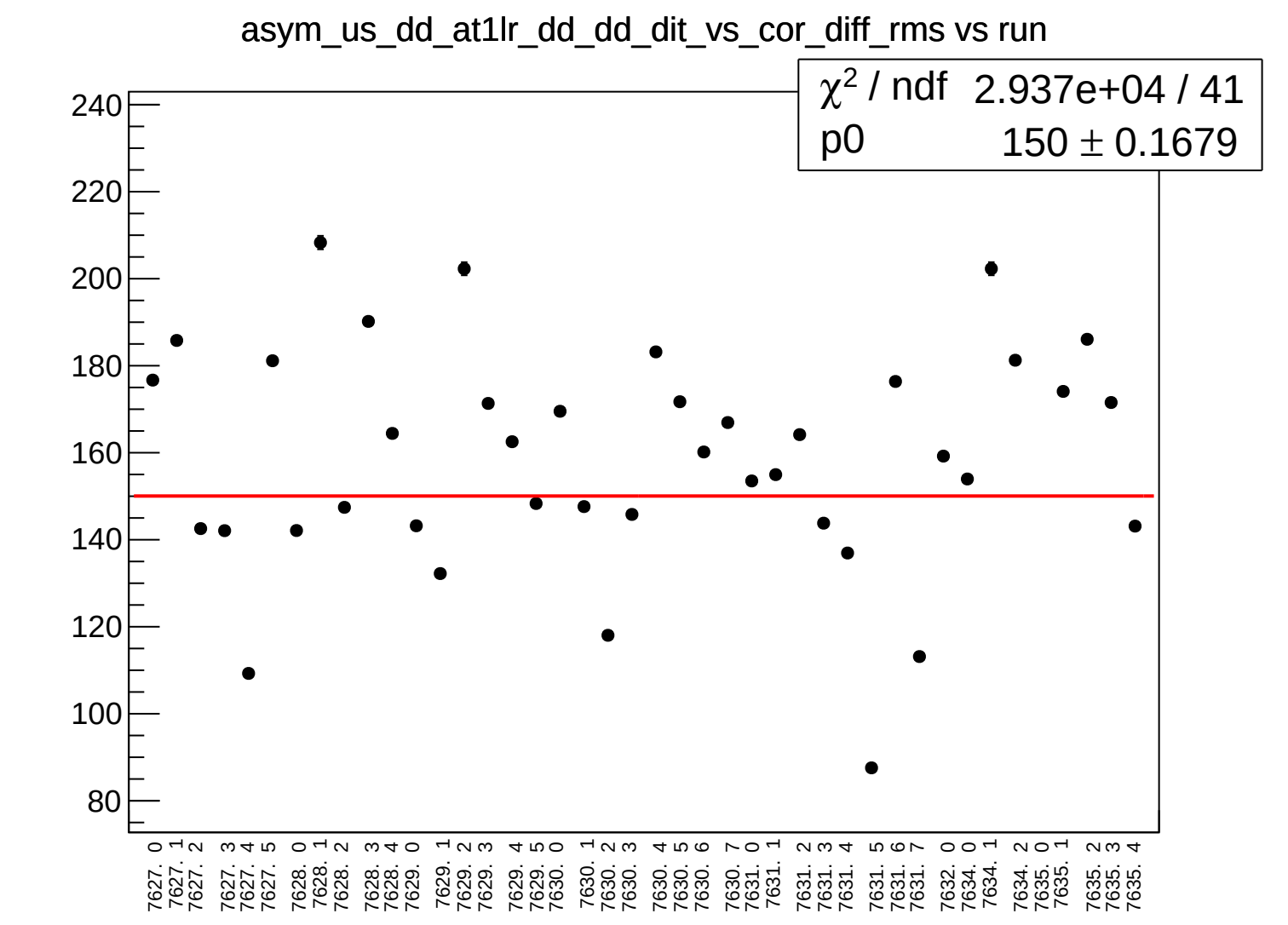

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 8662 / 41
p0 3948 ± 4.362
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

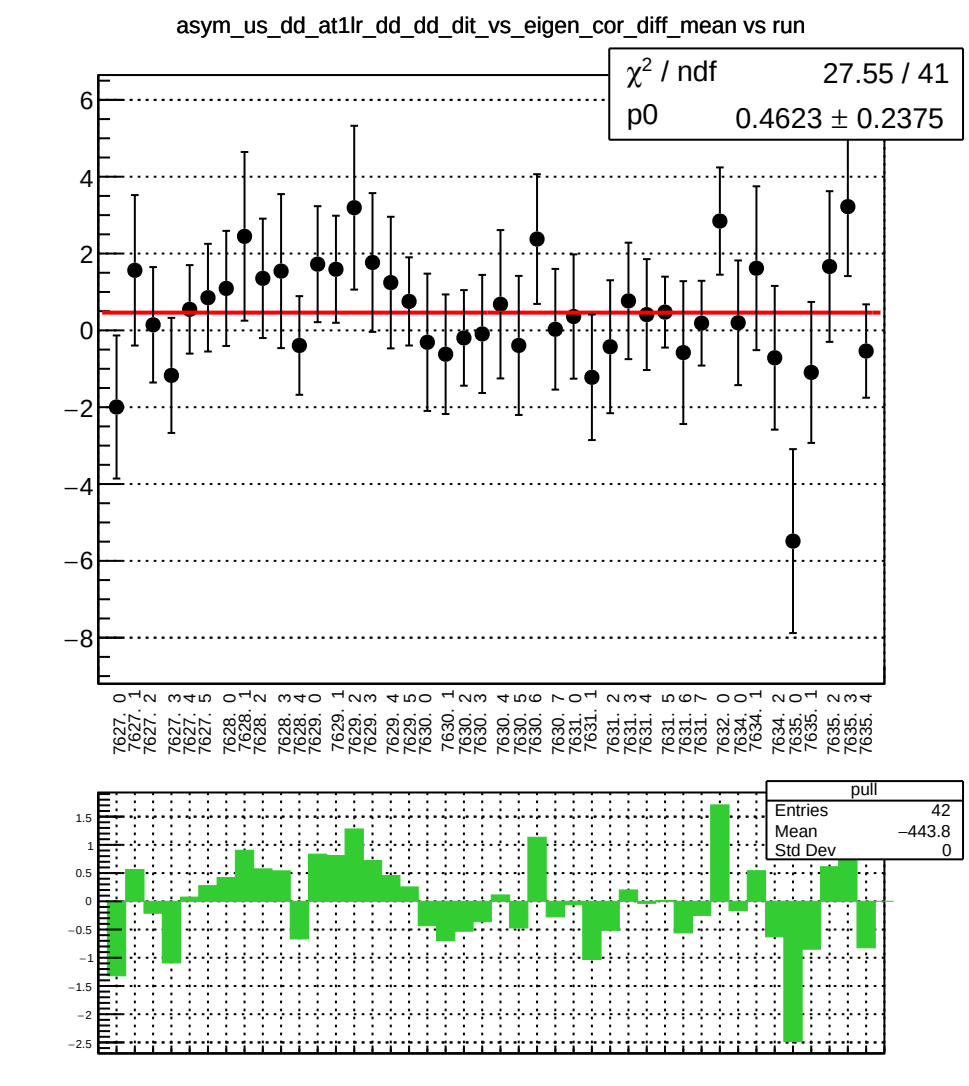

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.63 / 41
p0 −6.809e−13 ± 8.135e−13
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −790.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.003807
Std Dev 0.9714
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

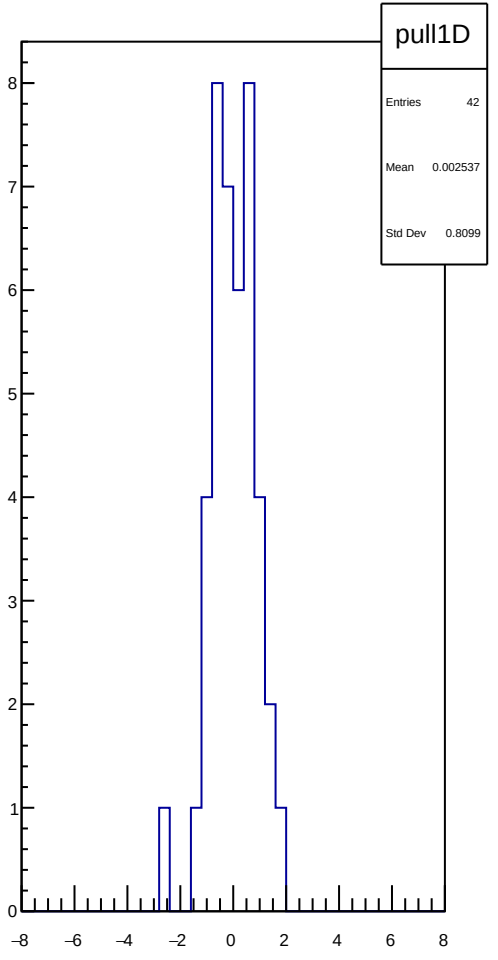

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.65e+05 / 41
p0 3.464e−10 ± 5.752e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

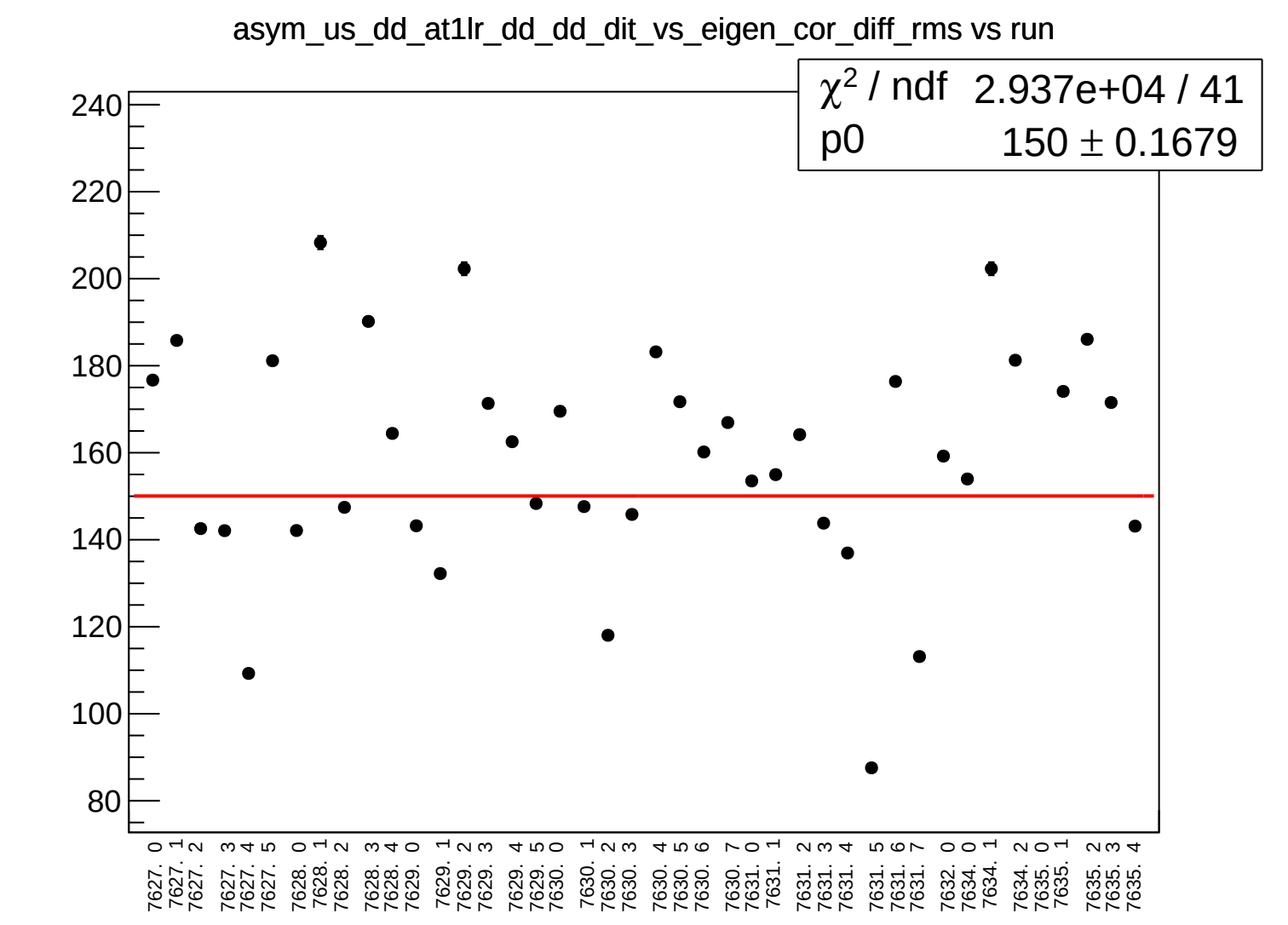

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 27.55 / 41
p0 0.4623 ± 0.2375
pull
Entries 42
Mean −443.8
Std Dev 0

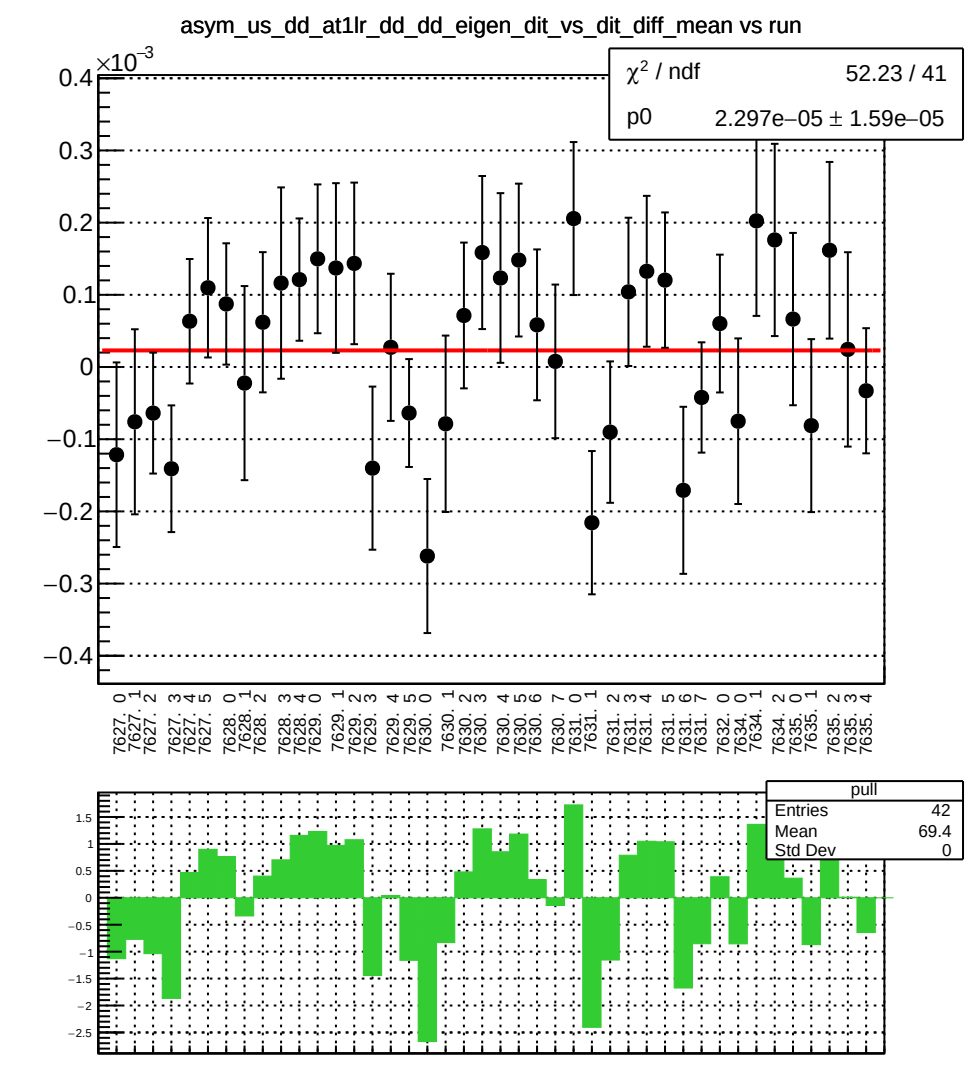

pull1D
Entries 42
Mean 0.002537
Std Dev 0.8099

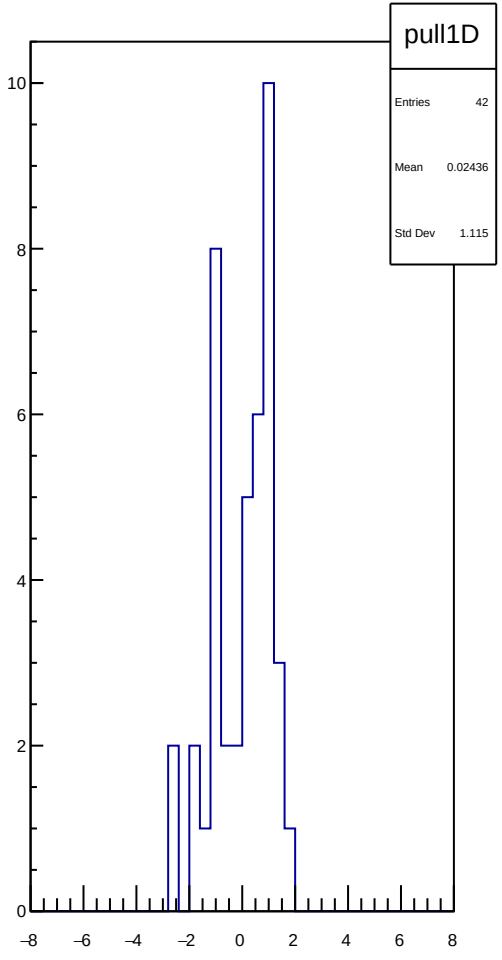

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.937e+04 / 41
p0 150 ± 0.1679
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

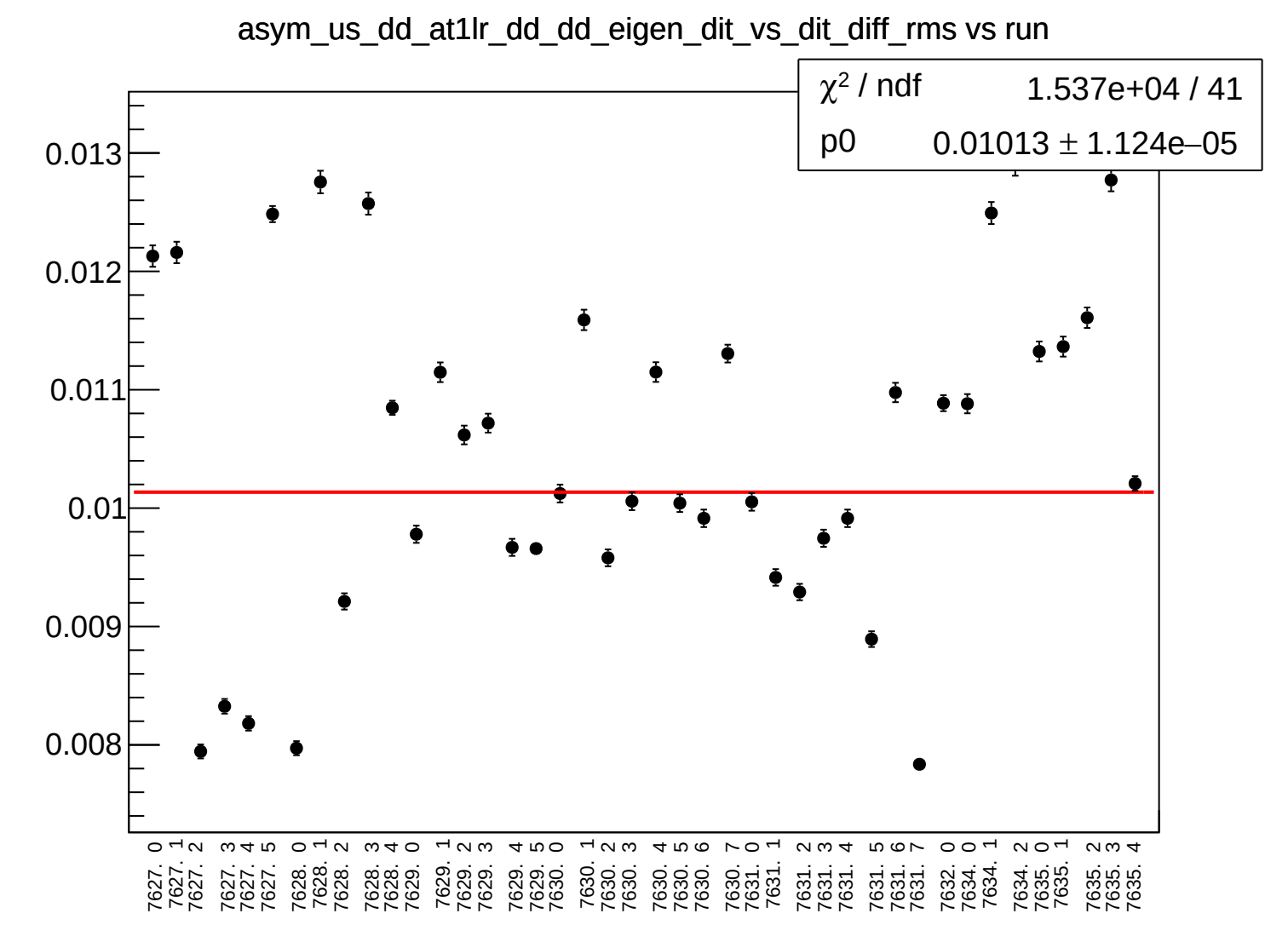

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.55 / 41
p0 0.4623 ± 0.2375
pull
Entries 42
Mean −443.8
Std Dev 0

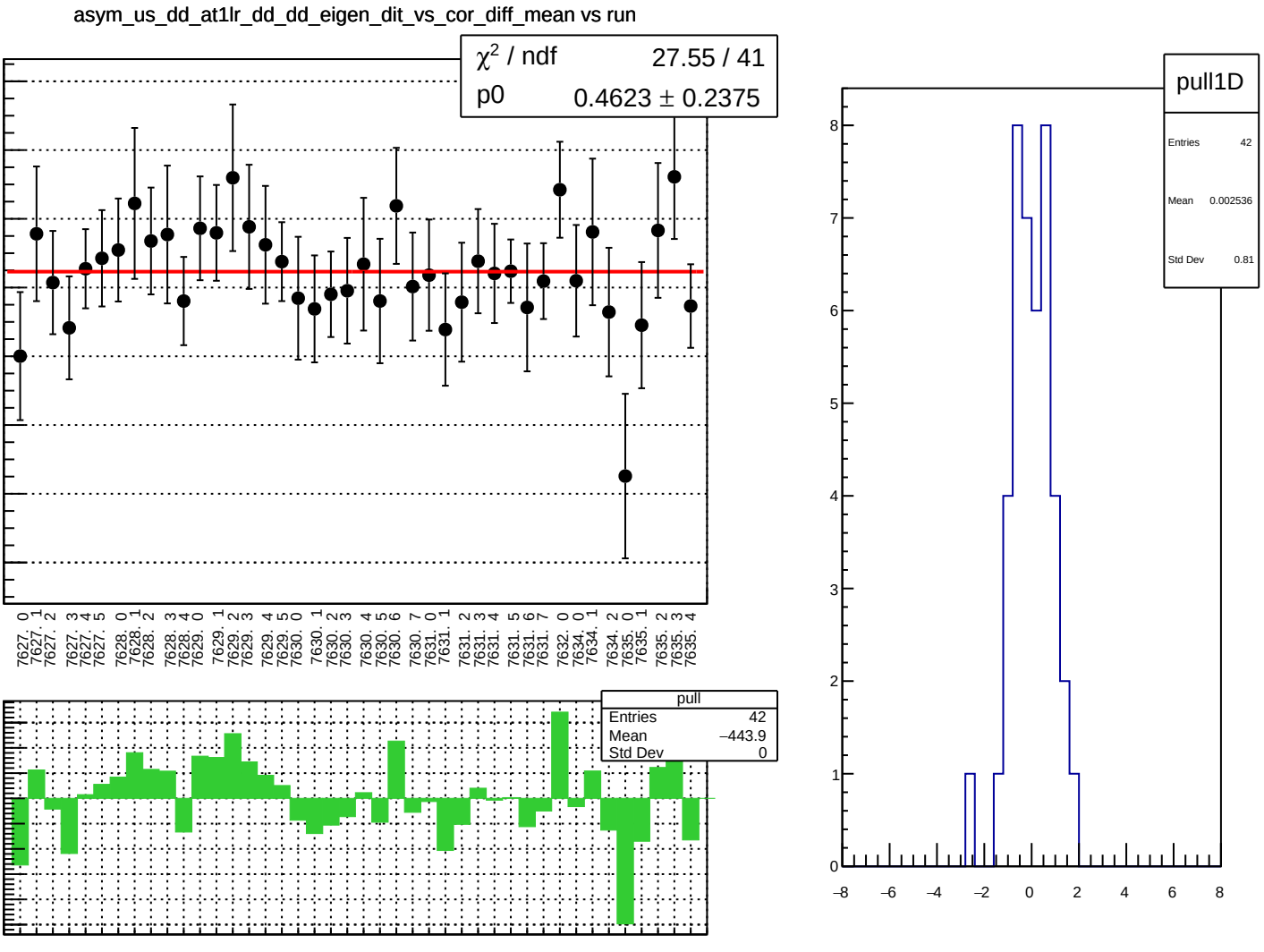

pull1D
Entries 42
Mean 0.002537
Std Dev 0.8099

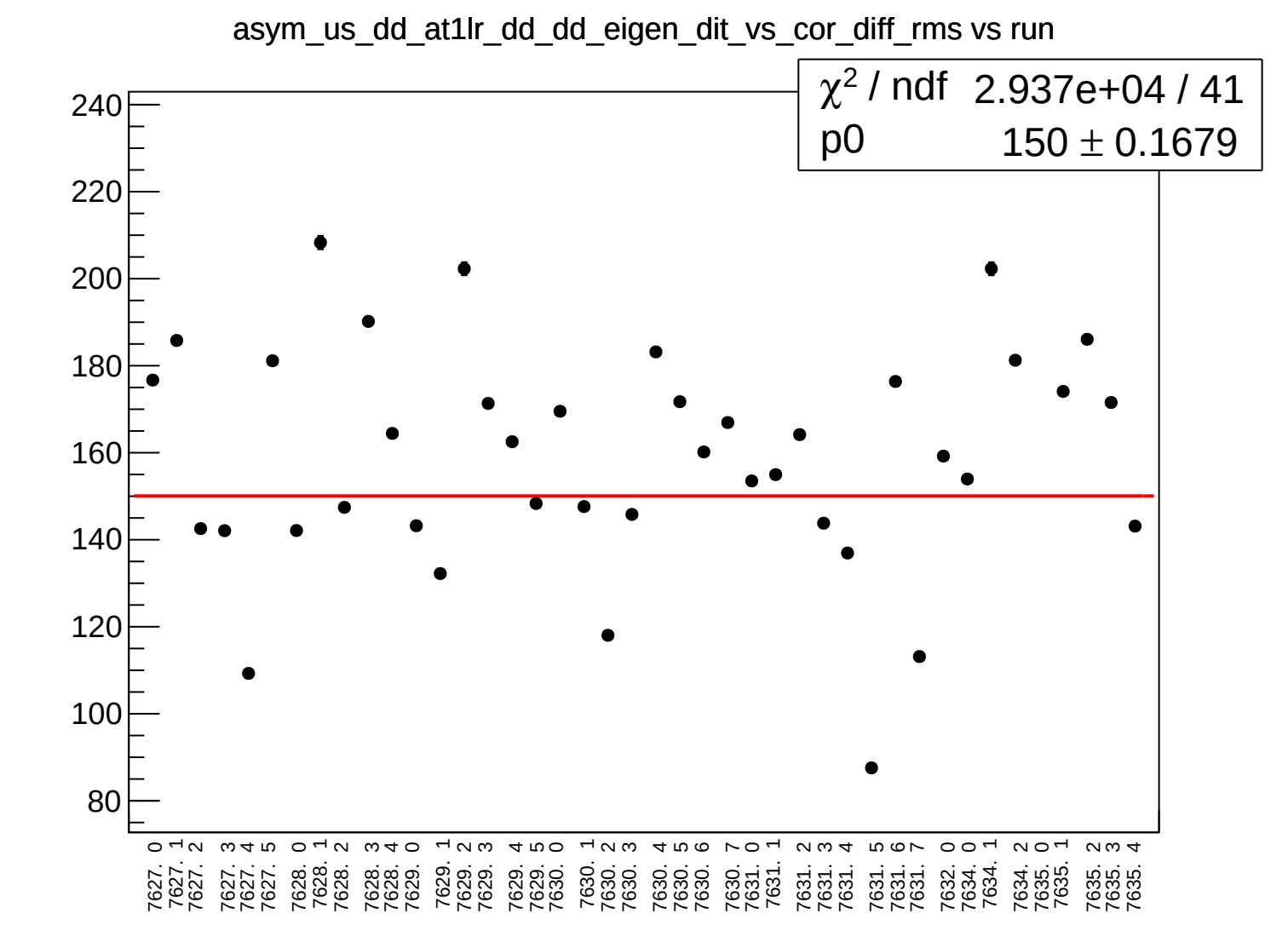

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.937e+04 / 41
p0 150 ± 0.1679
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

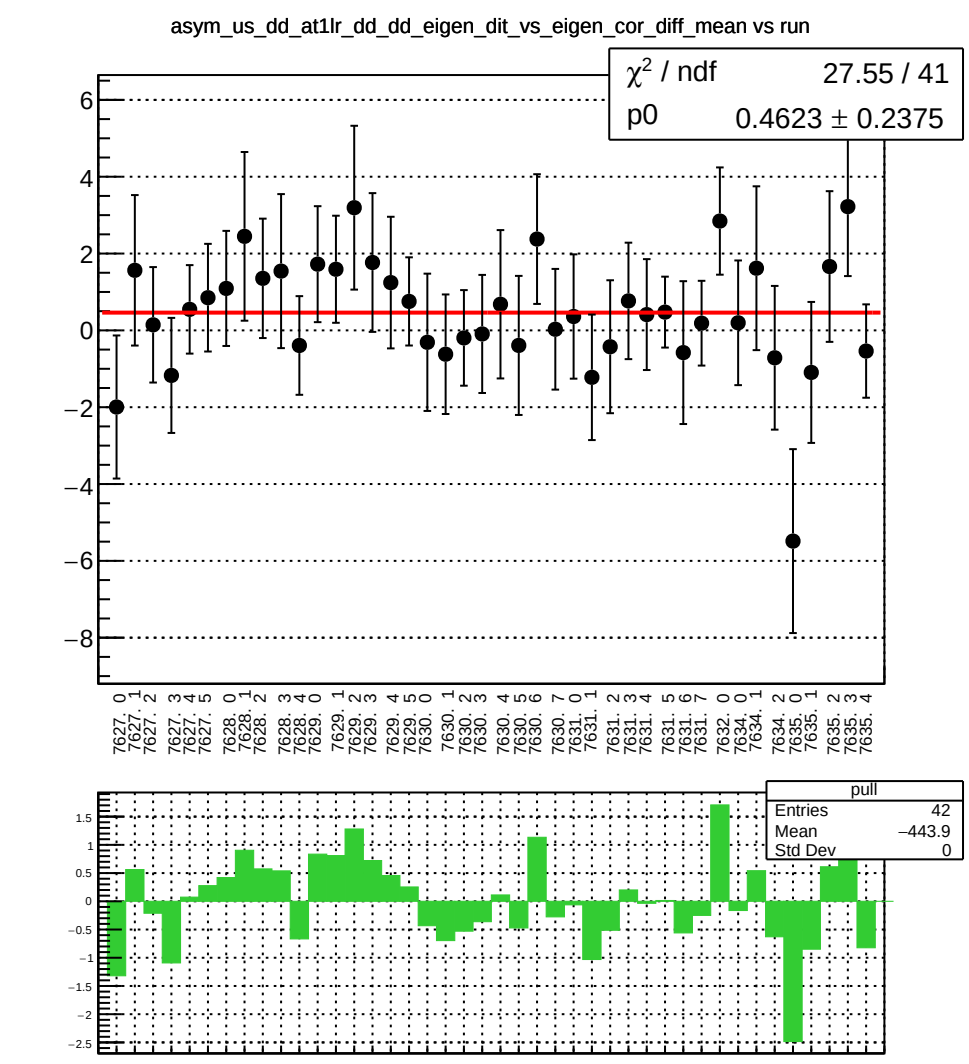

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.23 / 41
p0 2.297e−05 ± 1.59e−05
pull
Entries 42
Mean 69.4
Std Dev 0

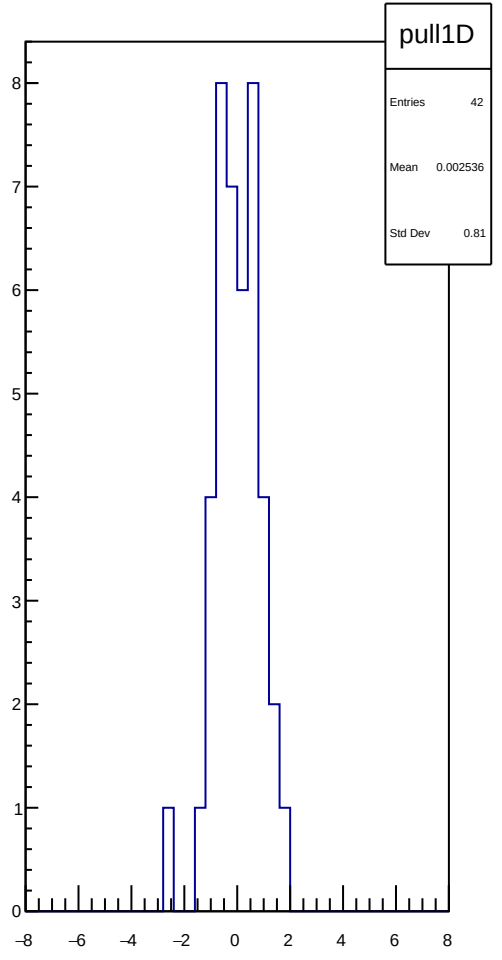

pull1D
Entries 42
Mean 0.02436
Std Dev 1.115

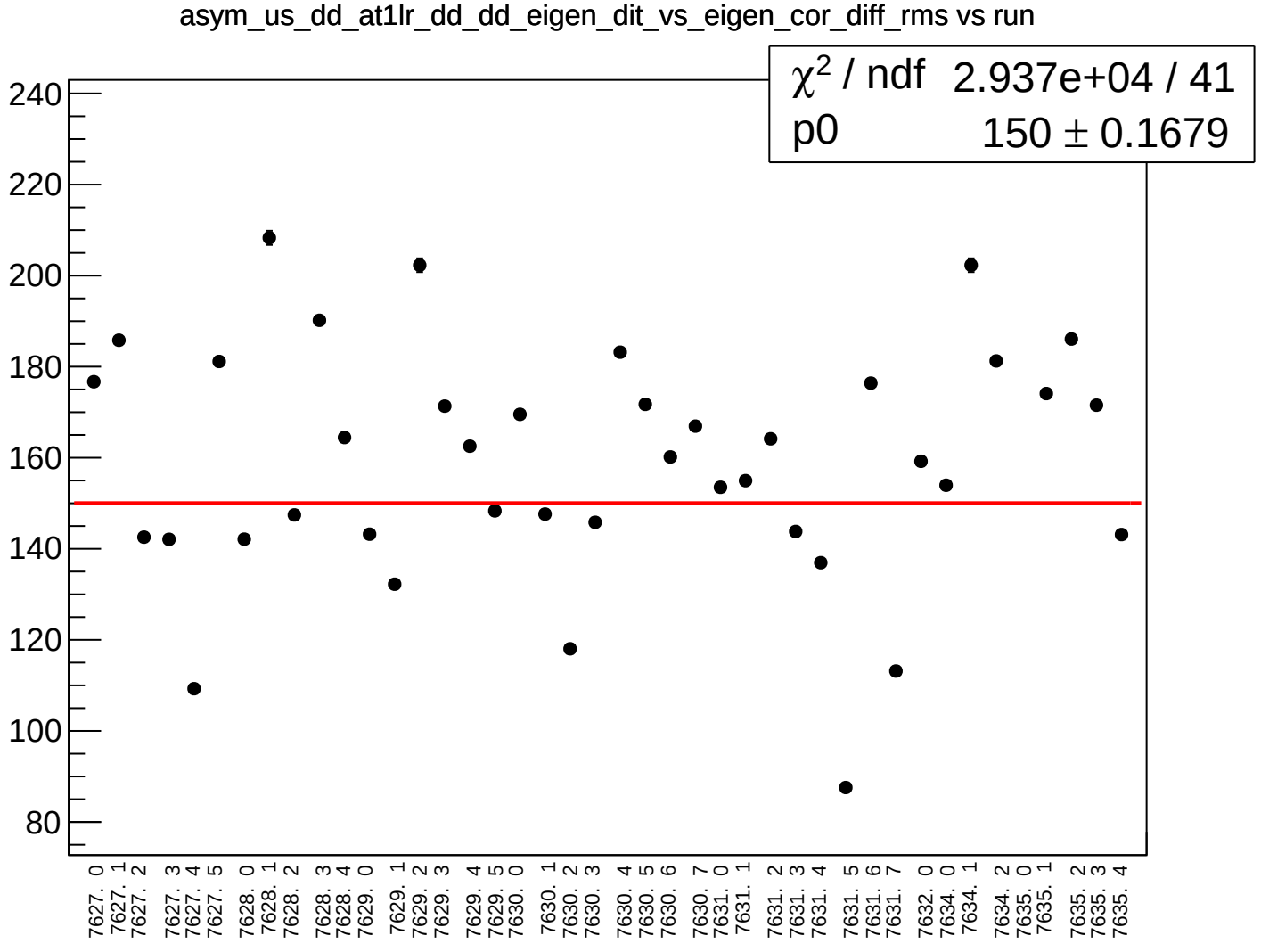

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.537e+04 / 41
p0 0.01013 ± 1.124e−05
0.013
0.012
0.011
0.01
0.009
0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

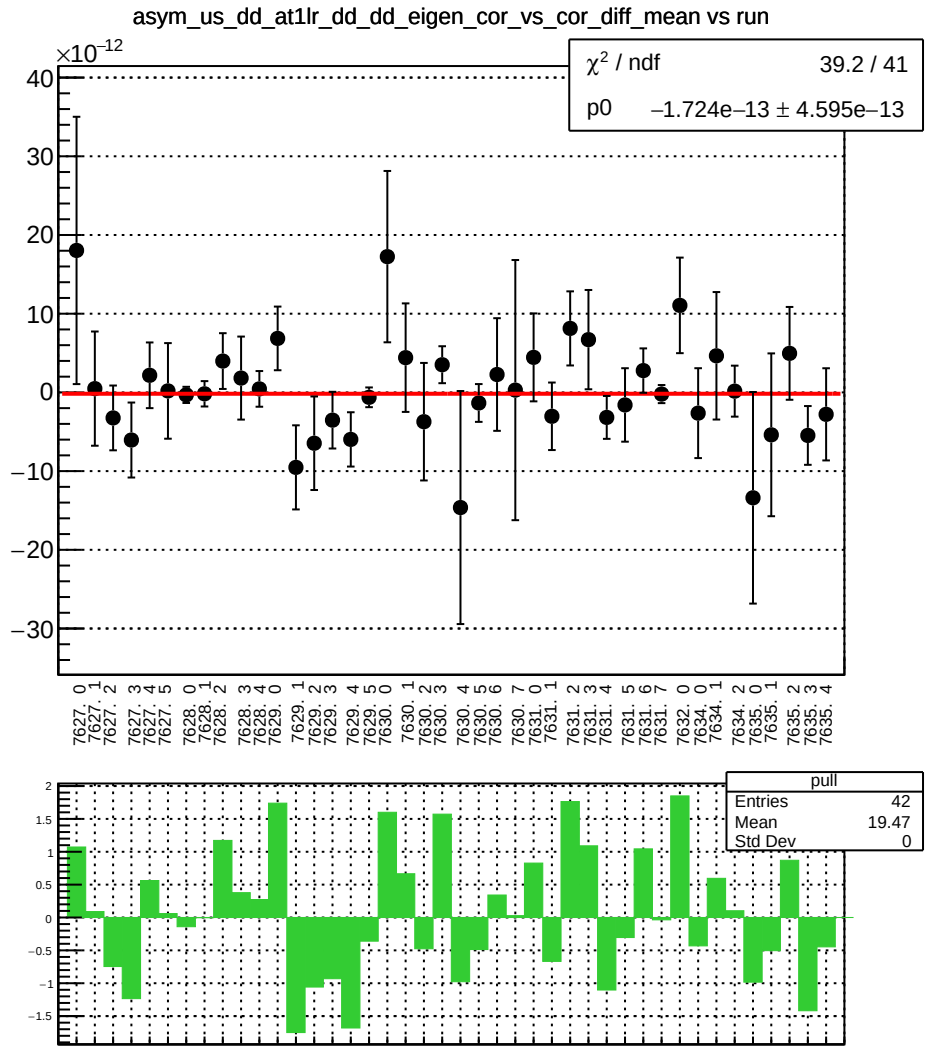

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.55 / 41
p0 0.4623 ± 0.2375
pull
Entries 42
Mean −443.9
Std Dev 0
pull1D
Entries 42
Mean 0.002536
Std Dev 0.81

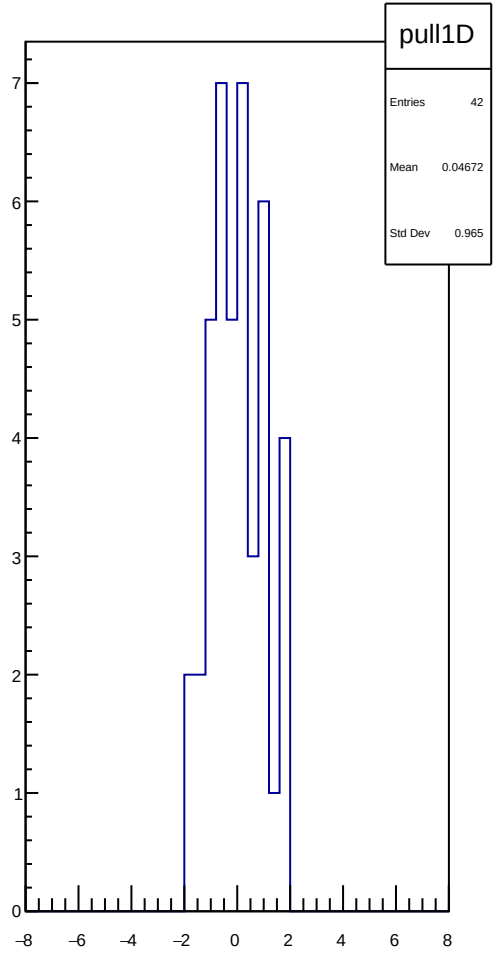

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.937e+04 / 41
p0 150 ± 0.1679
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

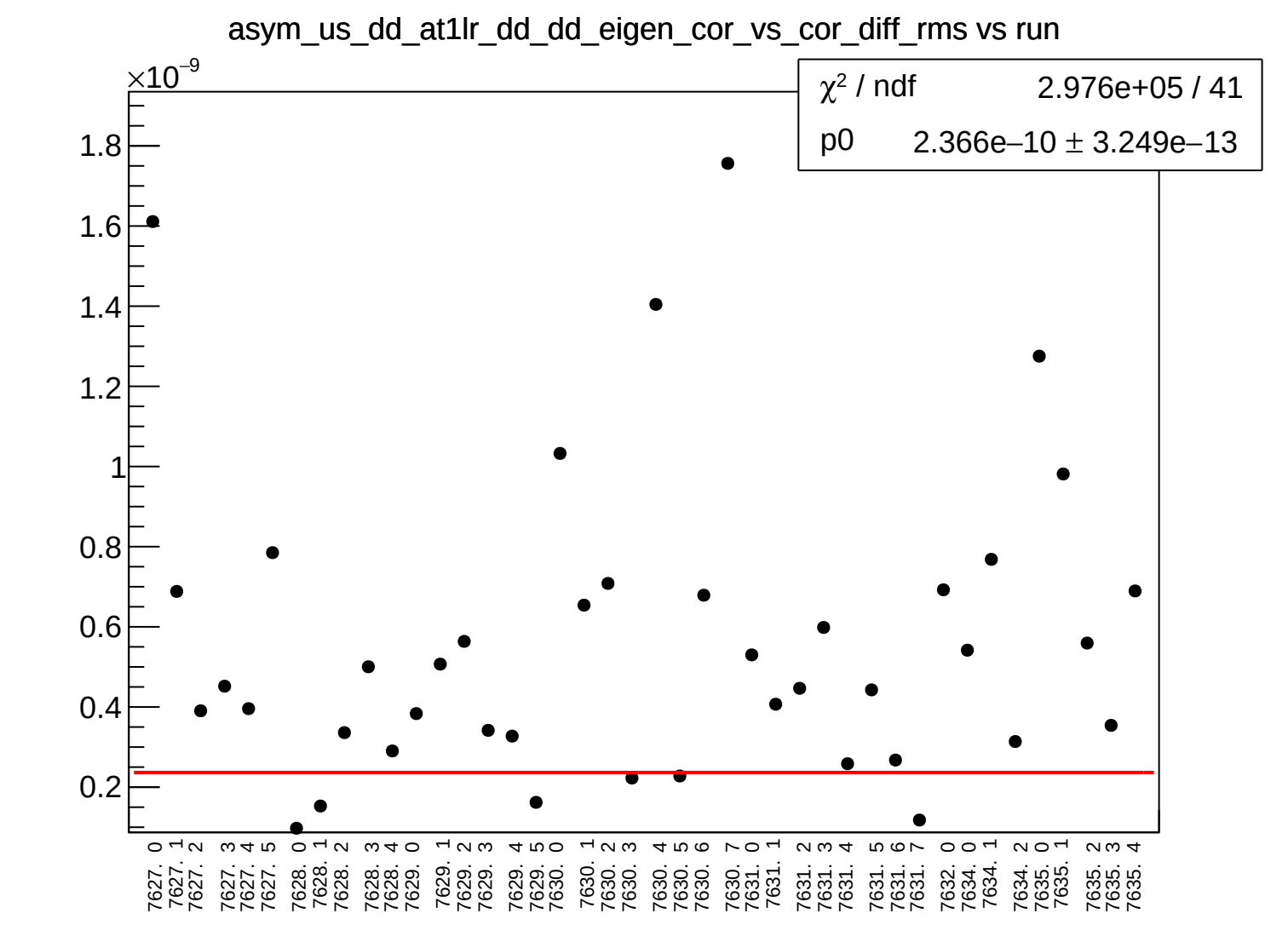

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.55 / 41
p0 0.4623 ± 0.2375
pull
Entries 42
Mean −443.9
Std Dev 0

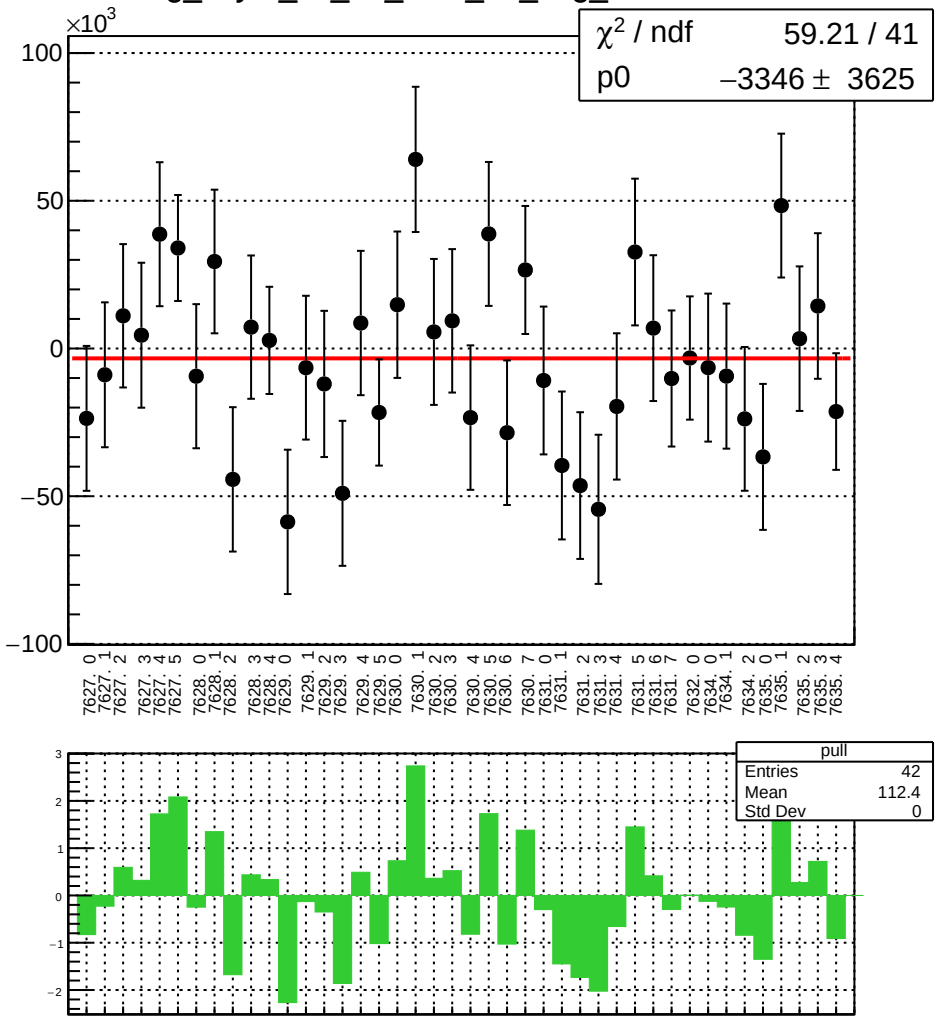

pull1D
Entries 42
Mean 0.002536
Std Dev 0.81

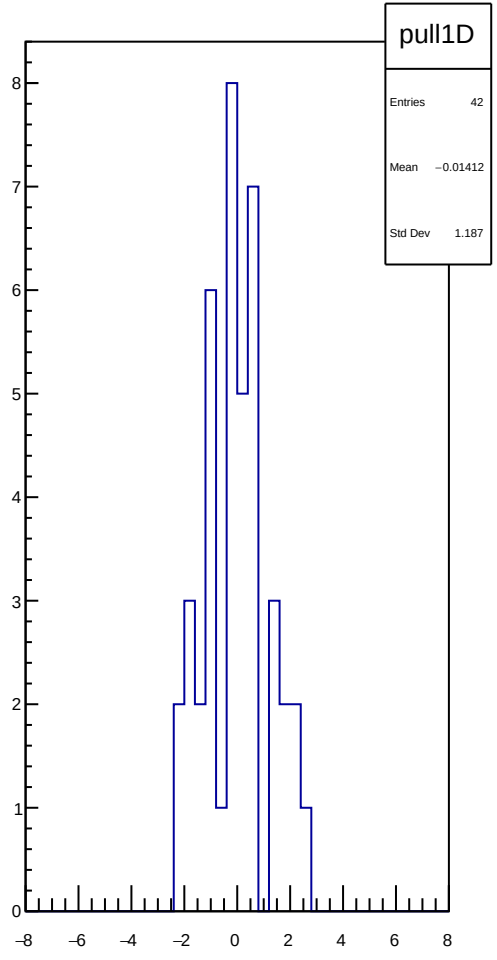

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.937e+04 / 41
p0 150 ± 0.1679
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

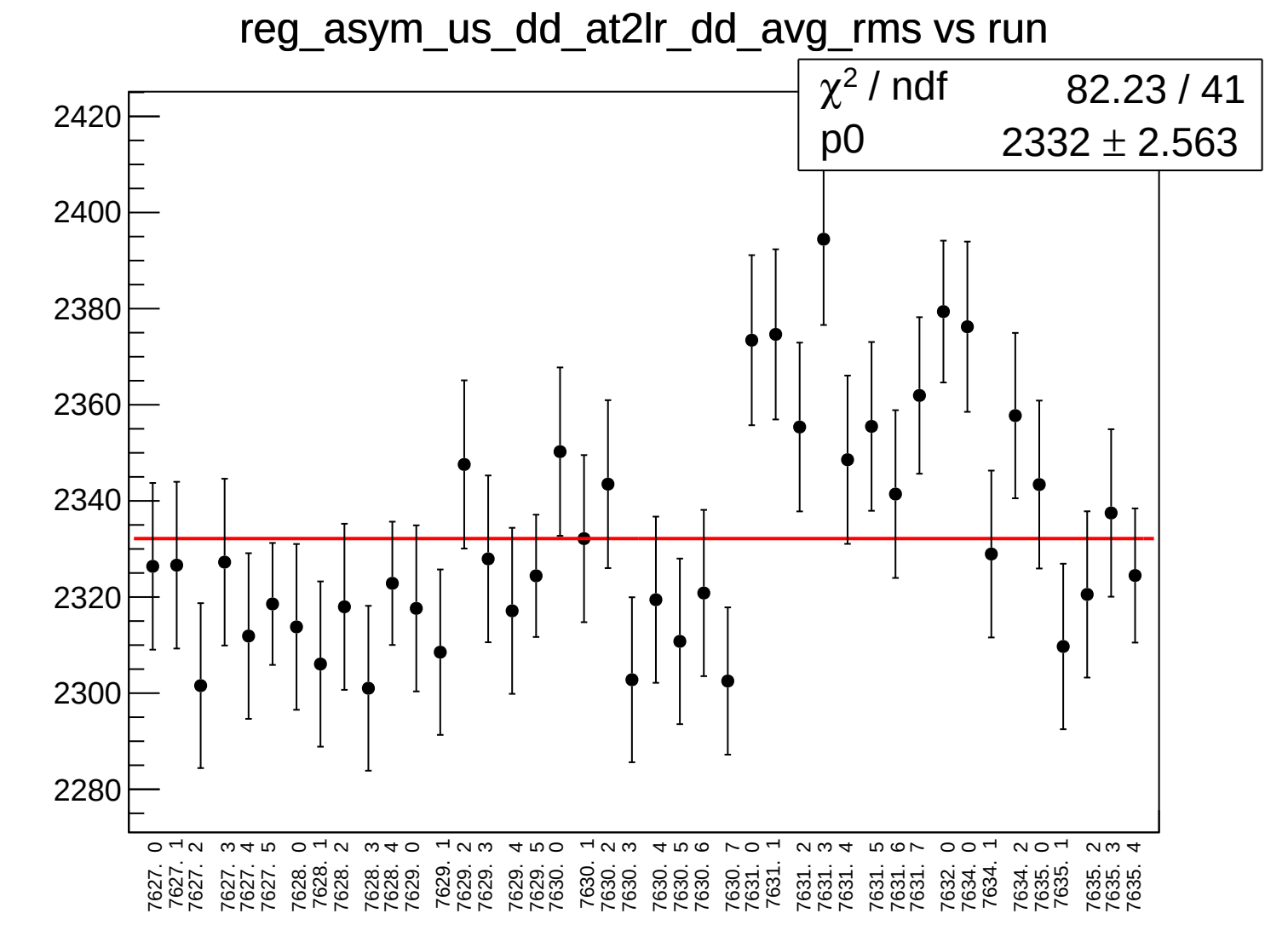

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 39.2 / 41
p0 −1.724e−13 ± 4.595e−13
pull
Entries 42
Mean 19.47
Std Dev 0

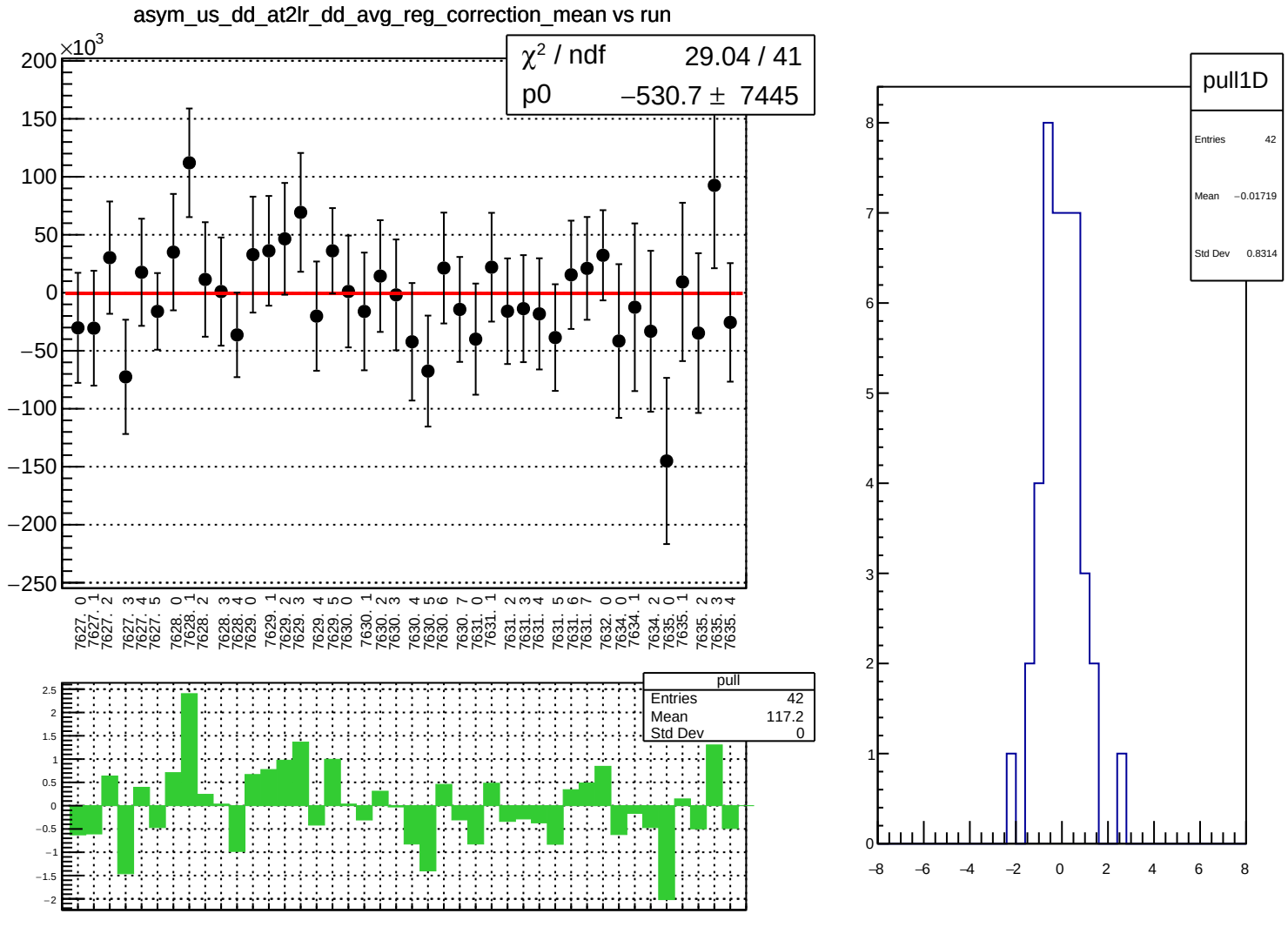

pull1D
Entries 42
Mean 0.04672
Std Dev 0.965

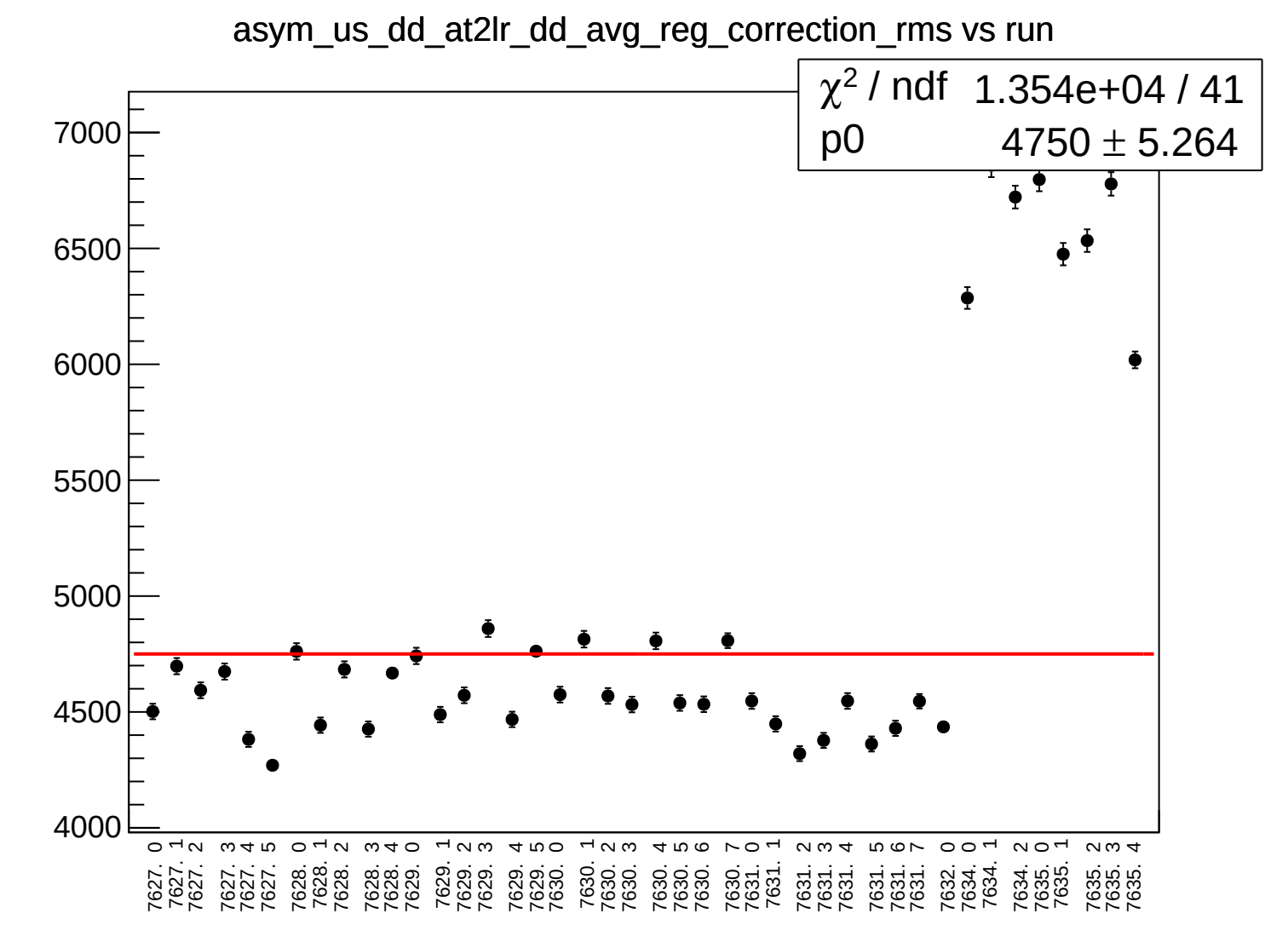

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.976e+05 / 41
p0 2.366e−10 ± 3.249e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

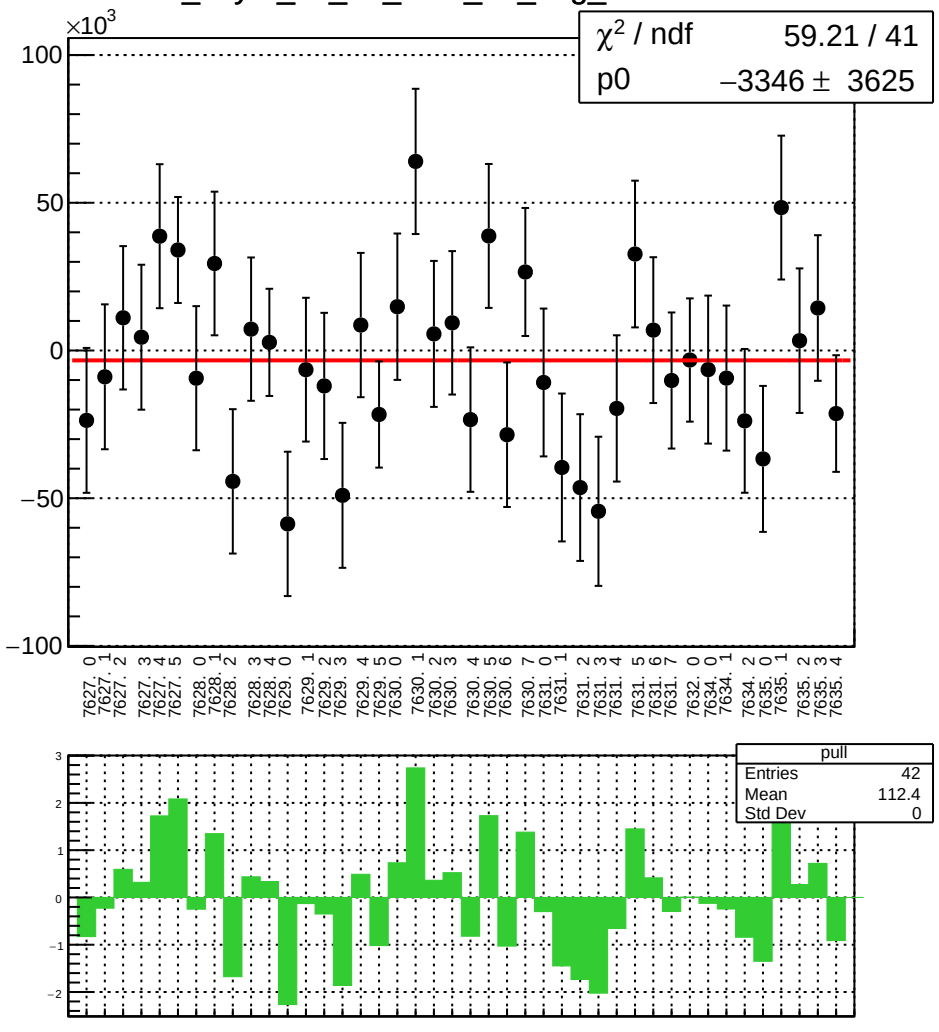

reg_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 59.21 / 41
p0 −3346 ± 3625
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 112.4
Std Dev 0
3
2
1
0
−1
−2

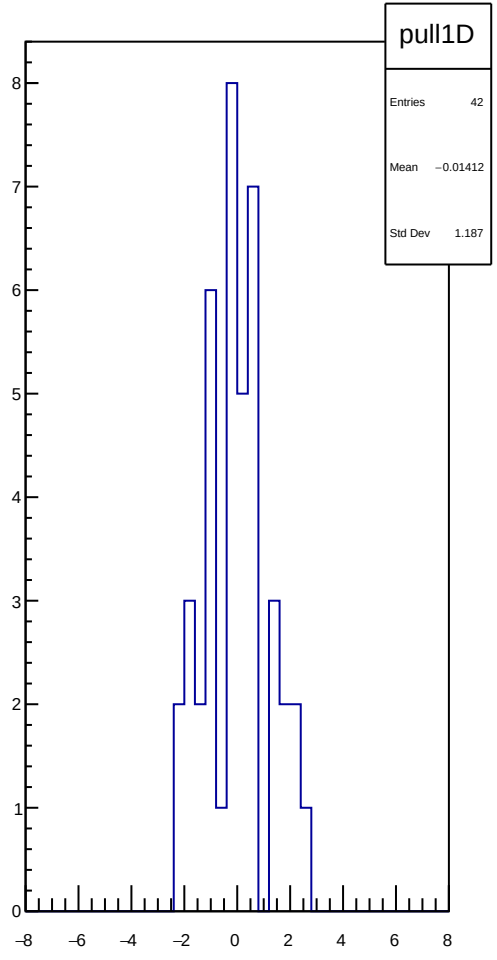

pull1D
Entries 42
Mean −0.01412
Std Dev 1.187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

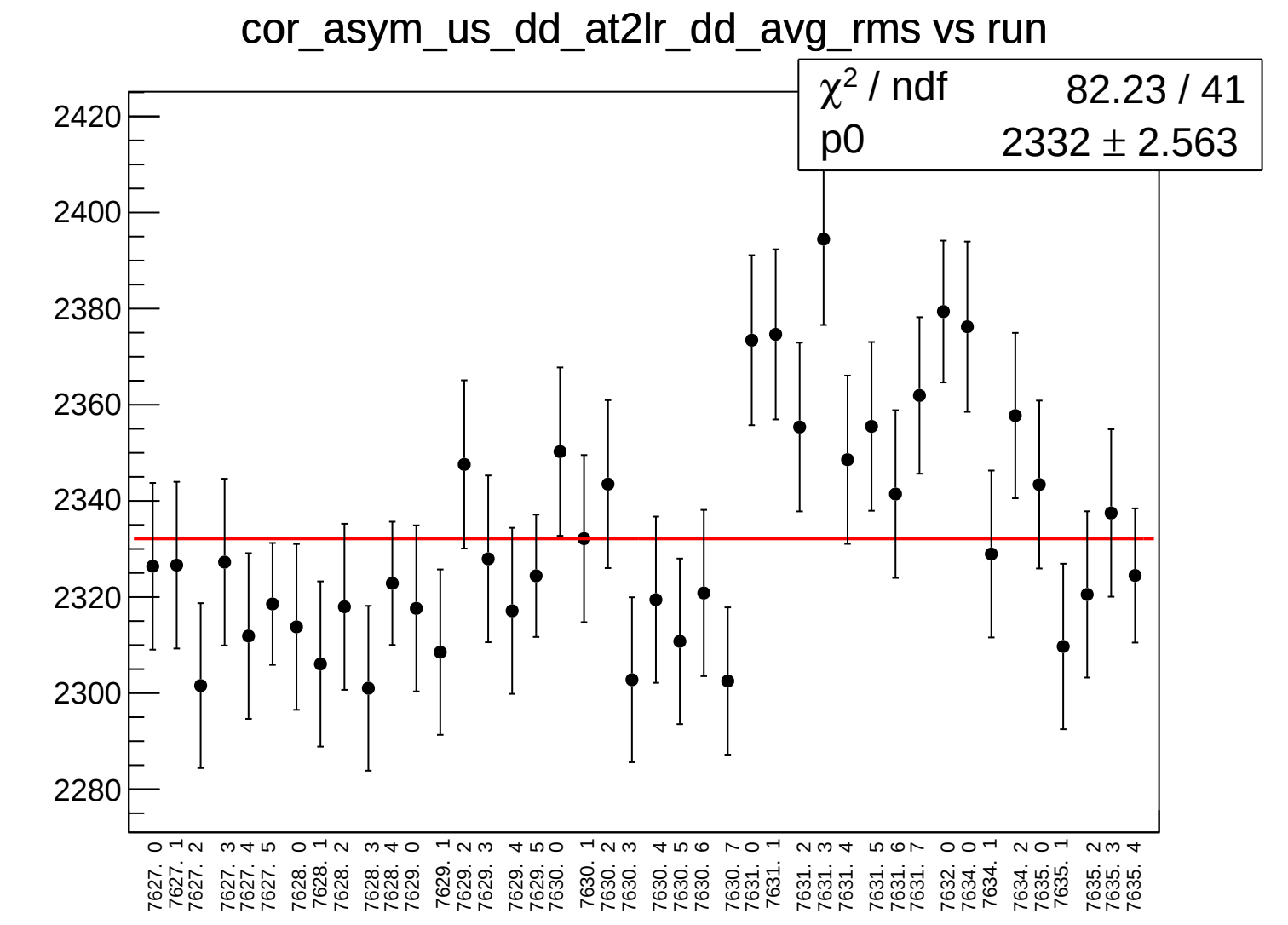

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 82.23 / 41
p0 2332 ± 2.563
2420
2400
2380
2360
2340
2320
2300
2280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

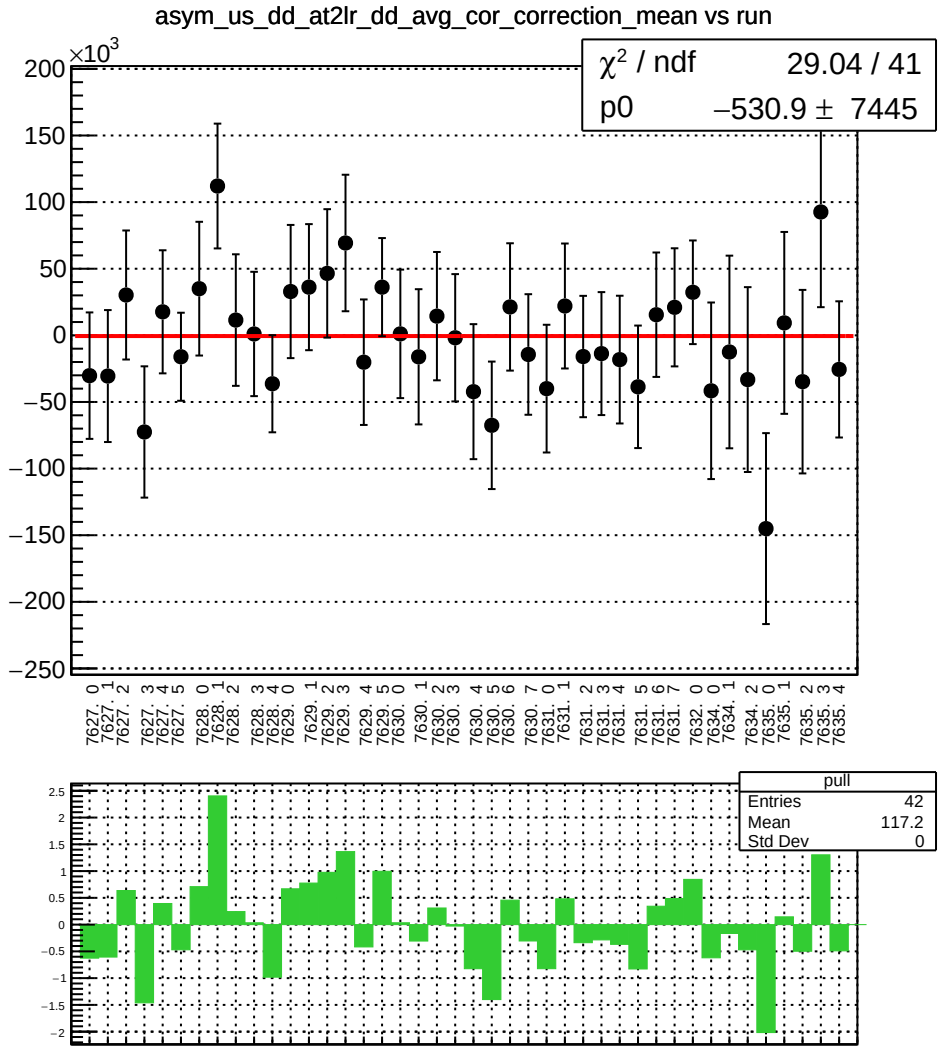

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 29.04 / 41
p0 −530.7 ± 7445
pull
Entries 42
Mean 117.2
Std Dev 0
pull1D
Entries 42
Mean −0.01719
Std Dev 0.8314

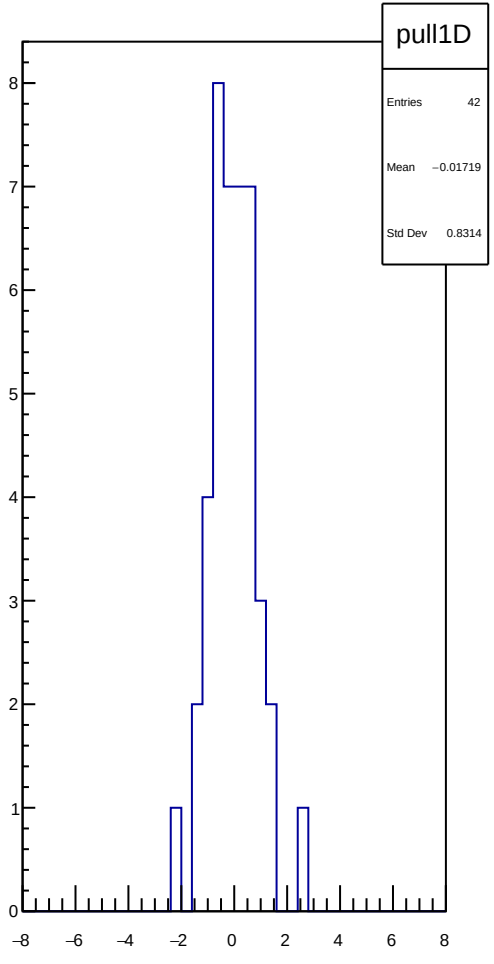

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.354e+04 / 41
p0 4750 ± 5.264
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

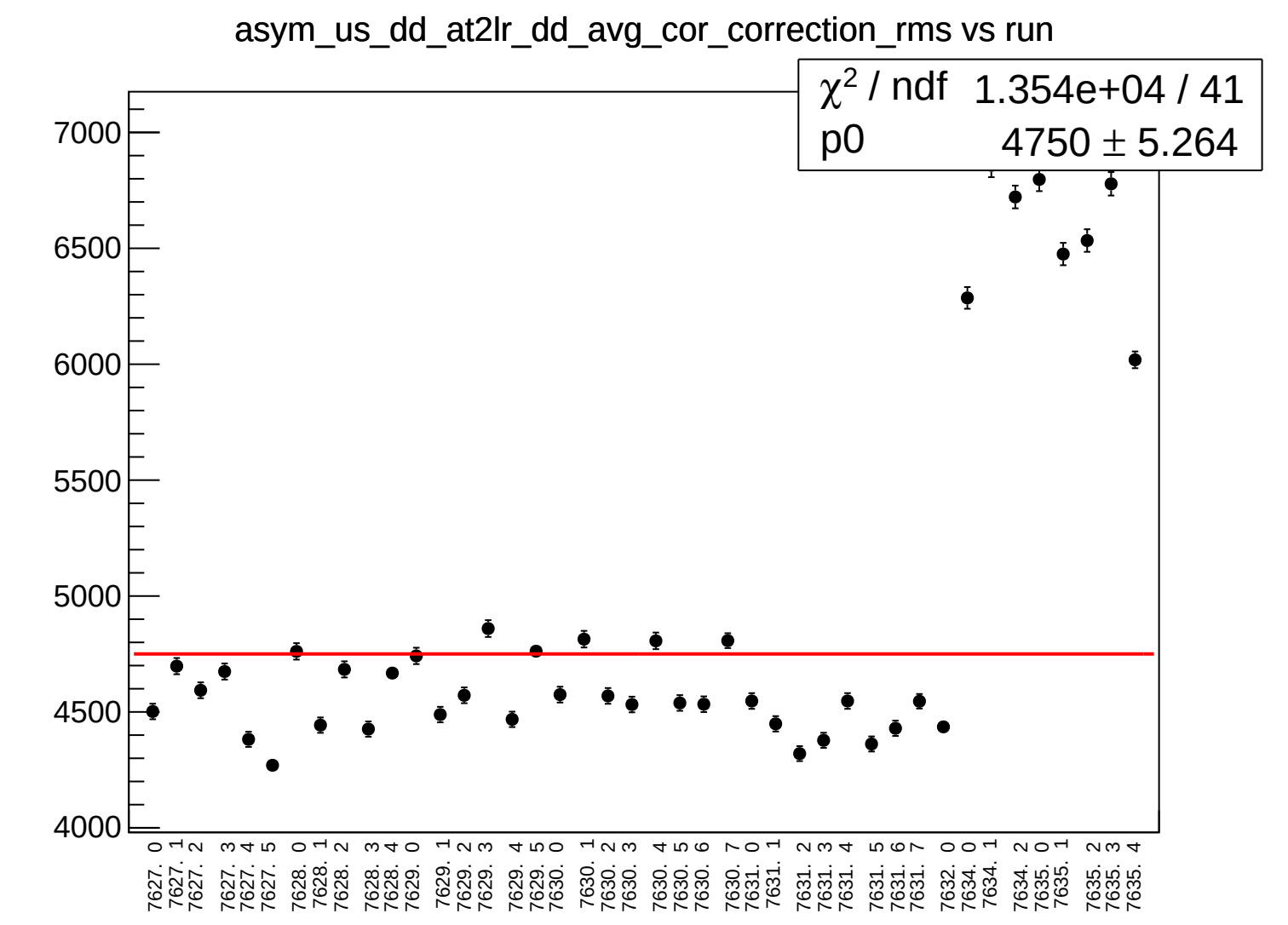

cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 59.21 / 41
p0 −3346 ± 3625
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 112.4
Std Dev 0
3
2
1
0
−1
−2

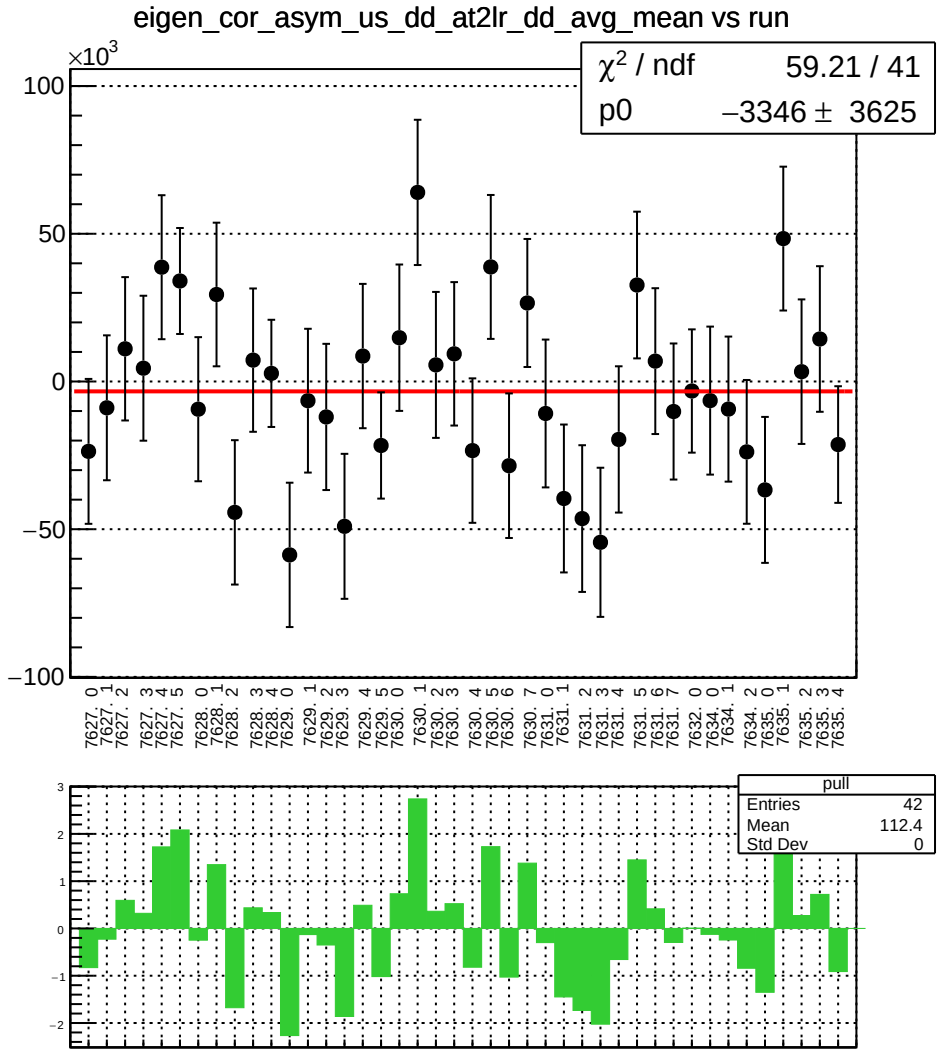

pull1D
Entries 42
Mean −0.01412
Std Dev 1.187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

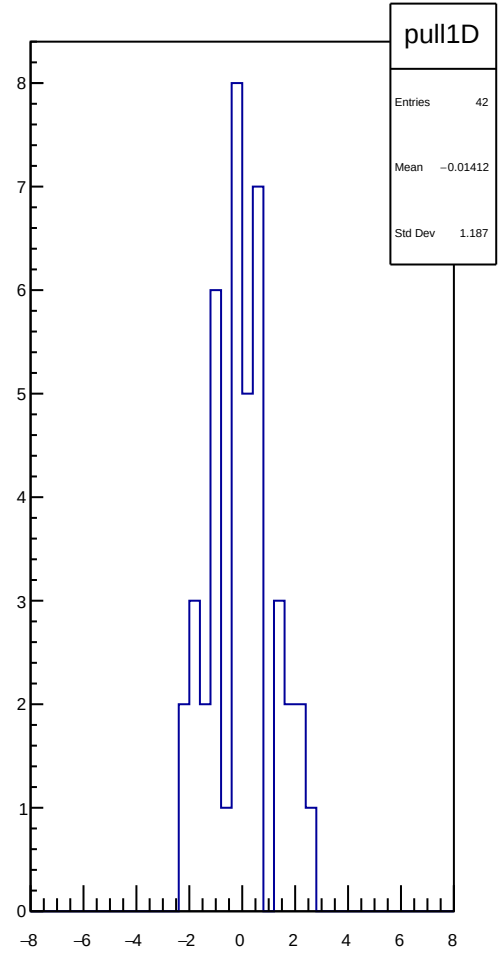

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 82.23 / 41
p0 2332 ± 2.563
2420
2400
2380
2360
2340
2320
2300
2280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

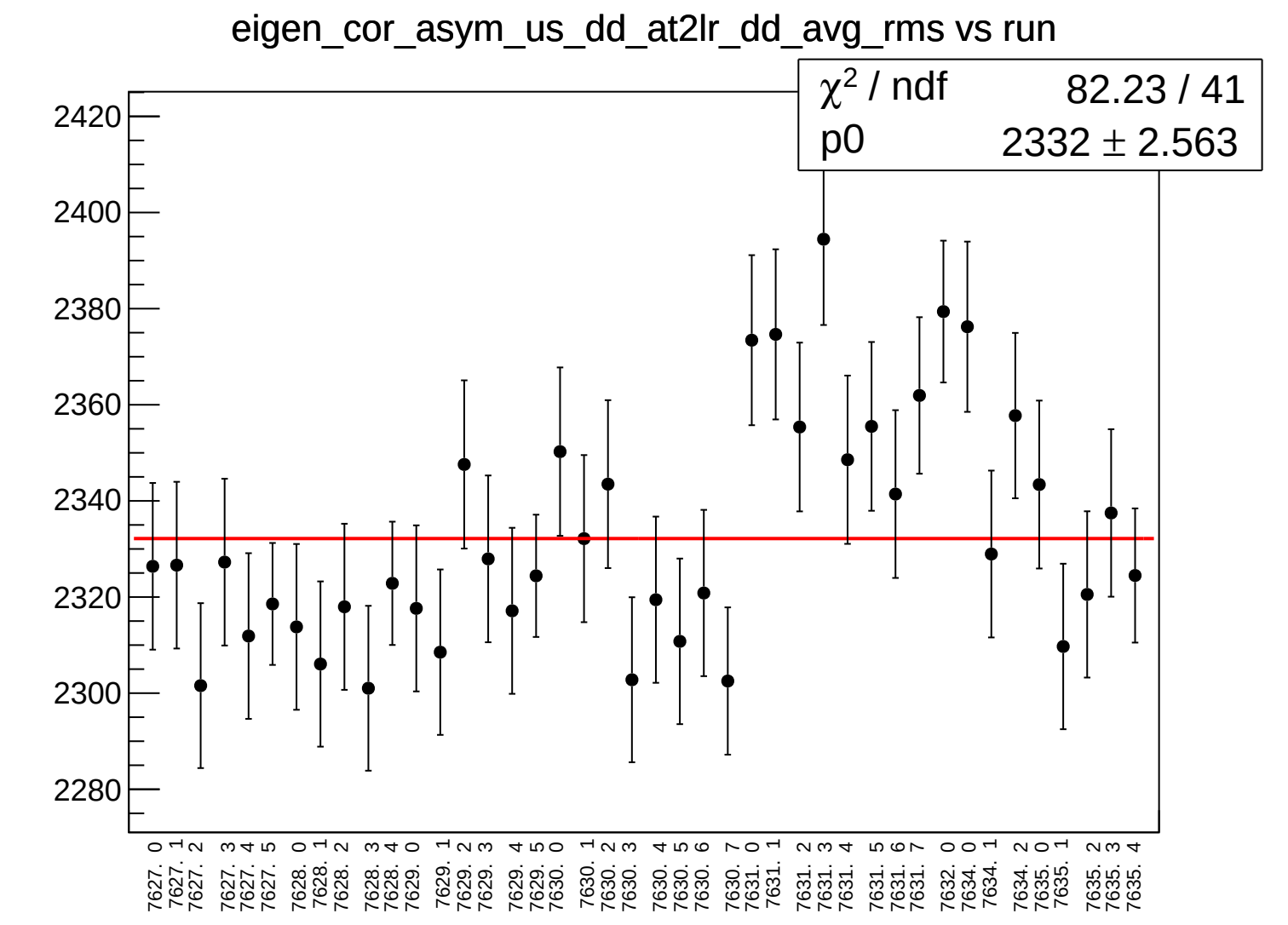

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 29.04 / 41
p0 −530.9 ± 7445
pull
Entries 42
Mean 117.2
Std Dev 0

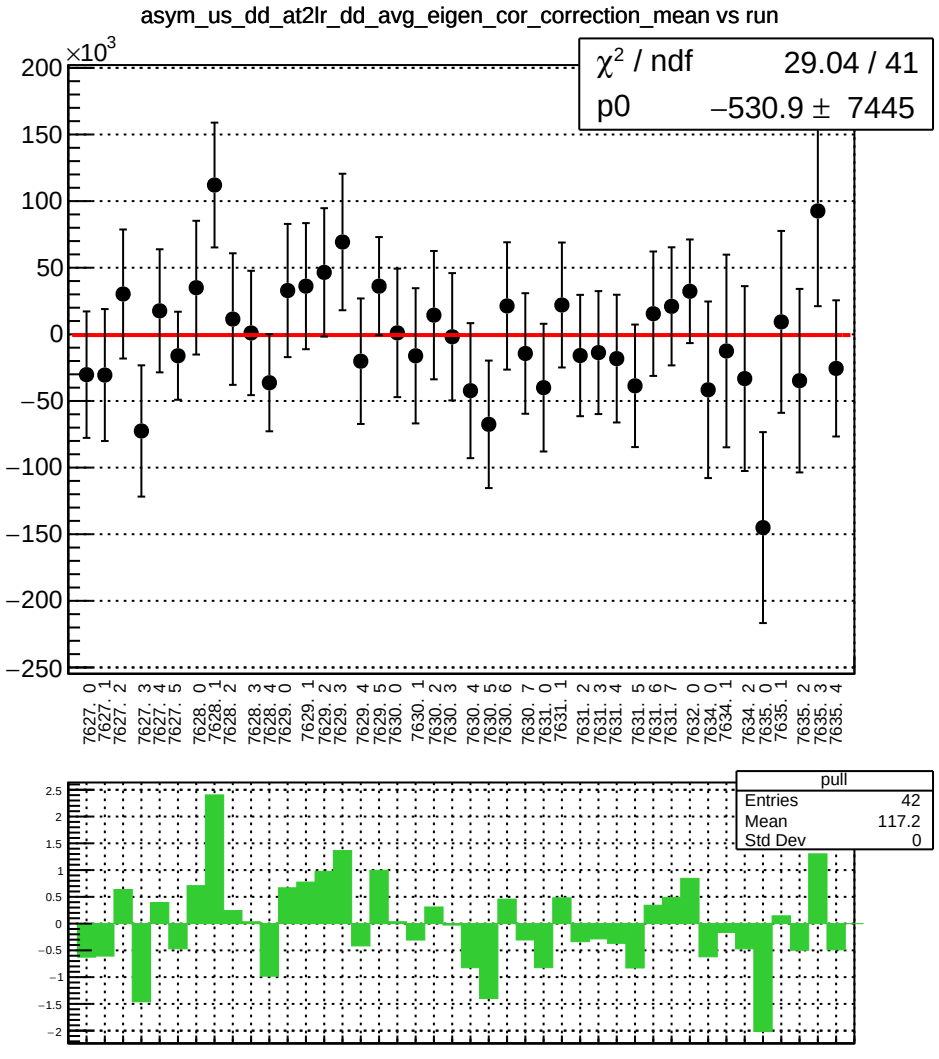

pull1D
Entries 42
Mean −0.01719
Std Dev 0.8314

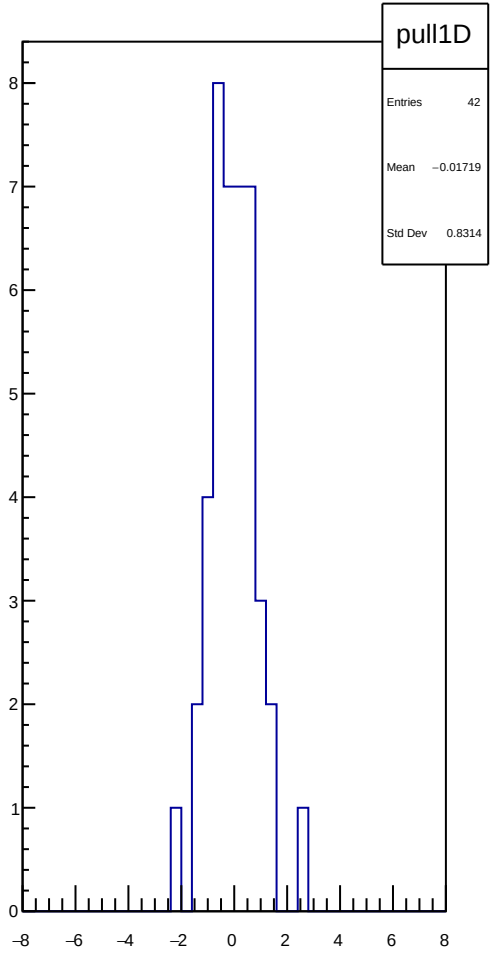

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.354e+04 / 41
p0 4750 ± 5.264
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

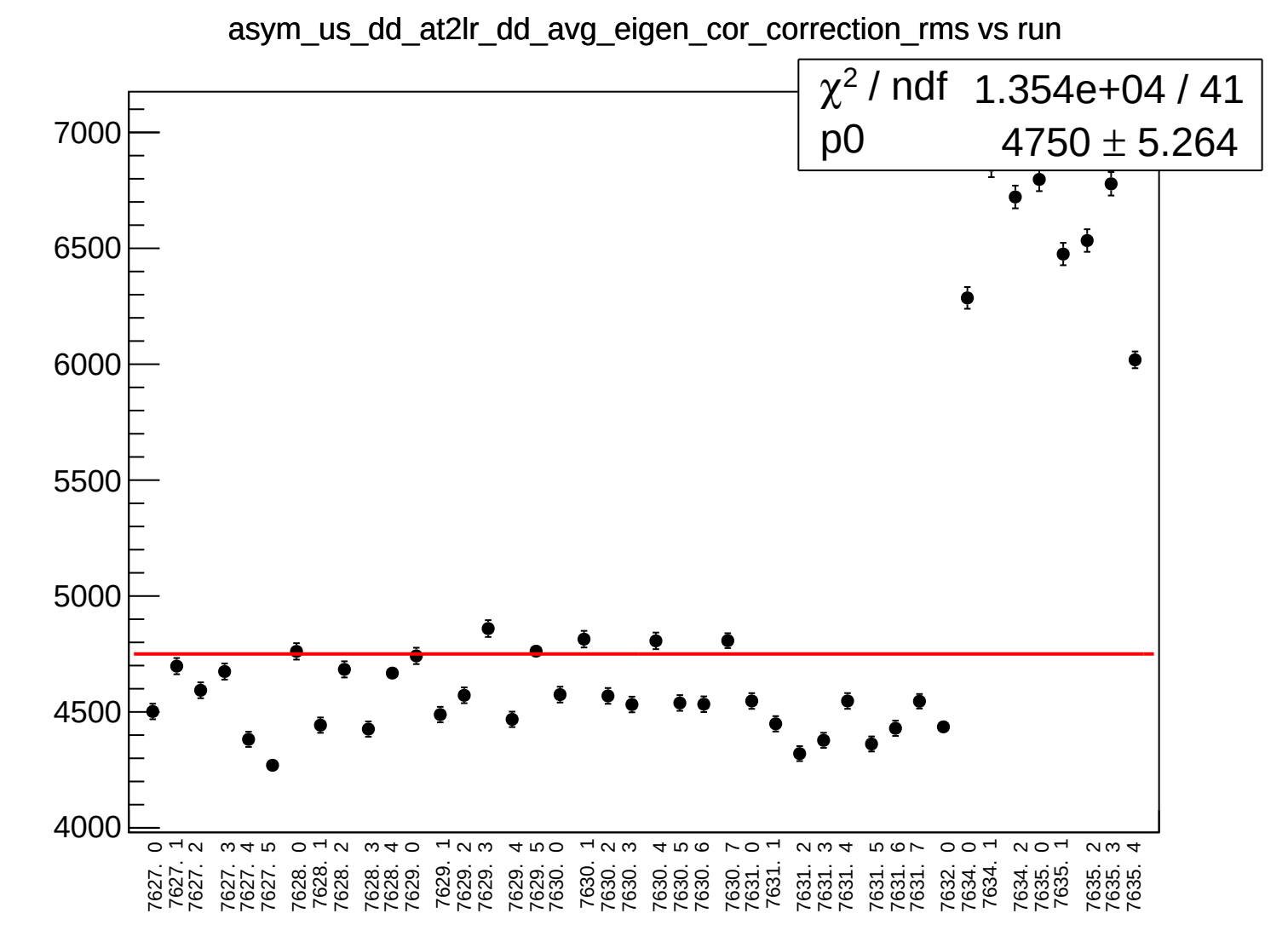

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 59.21 / 41
p0 −3346 ± 3625
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 112.4
Std Dev 0
3
2
1
0
−1
−2

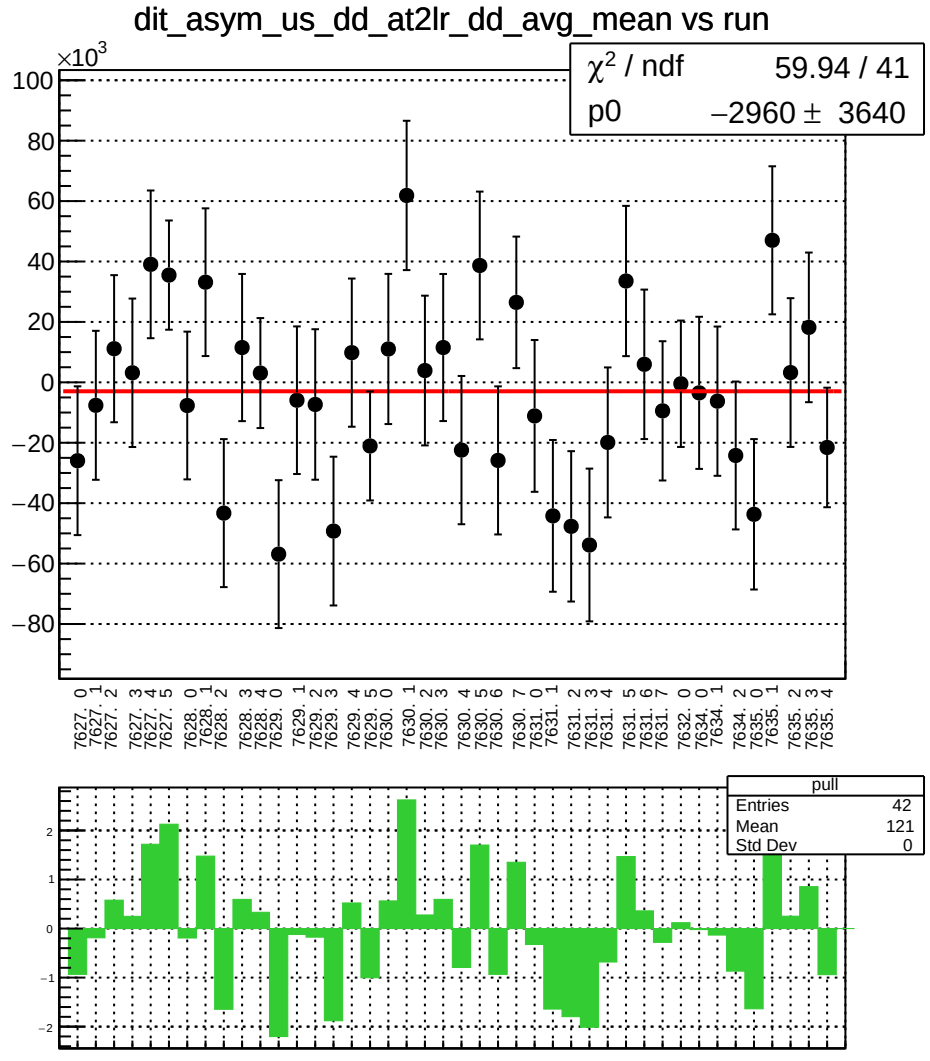

pull1D
Entries 42
Mean −0.01412
Std Dev 1.187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

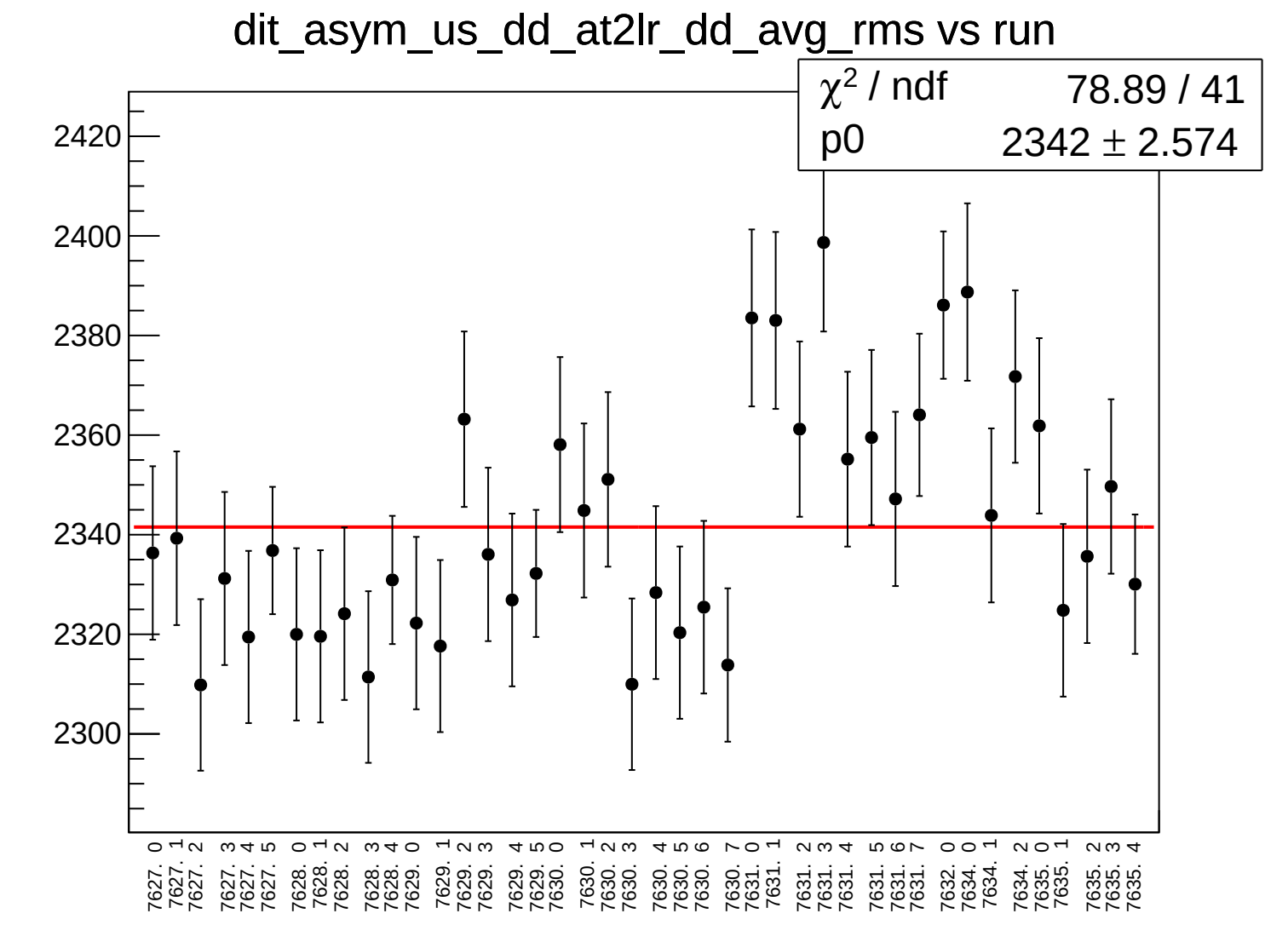

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 82.23 / 41
p0 2332 ± 2.563
2420
2400
2380
2360
2340
2320
2300
2280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

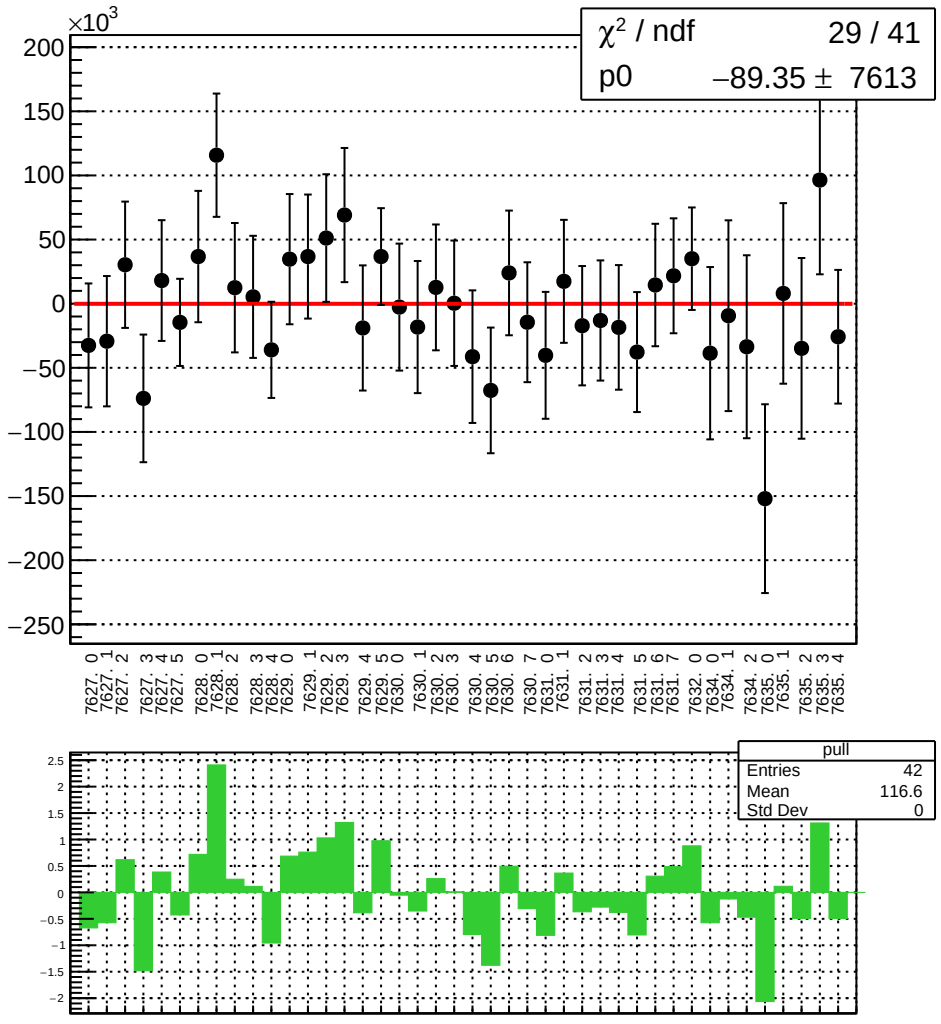

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.04 / 41
p0 −530.9 ± 7445
pull
Entries 42
Mean 117.2
Std Dev 0

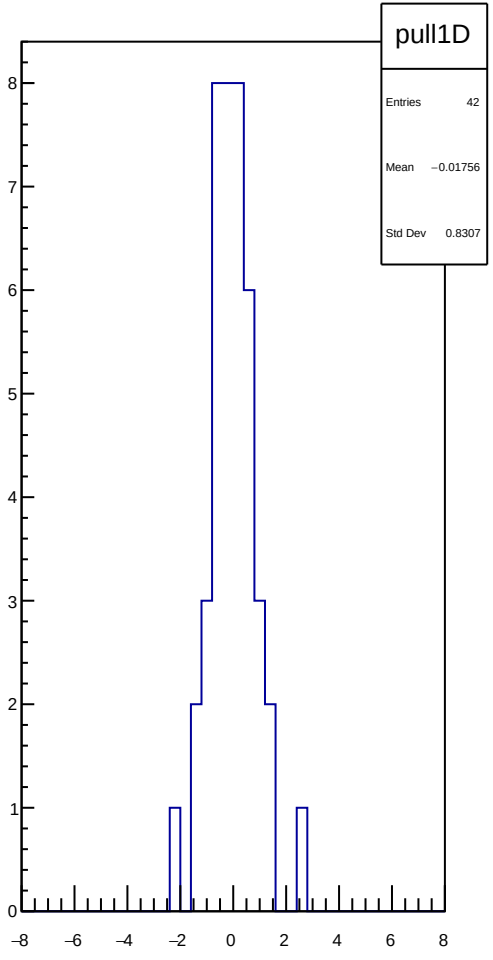

pull1D
Entries 42
Mean −0.01719
Std Dev 0.8314

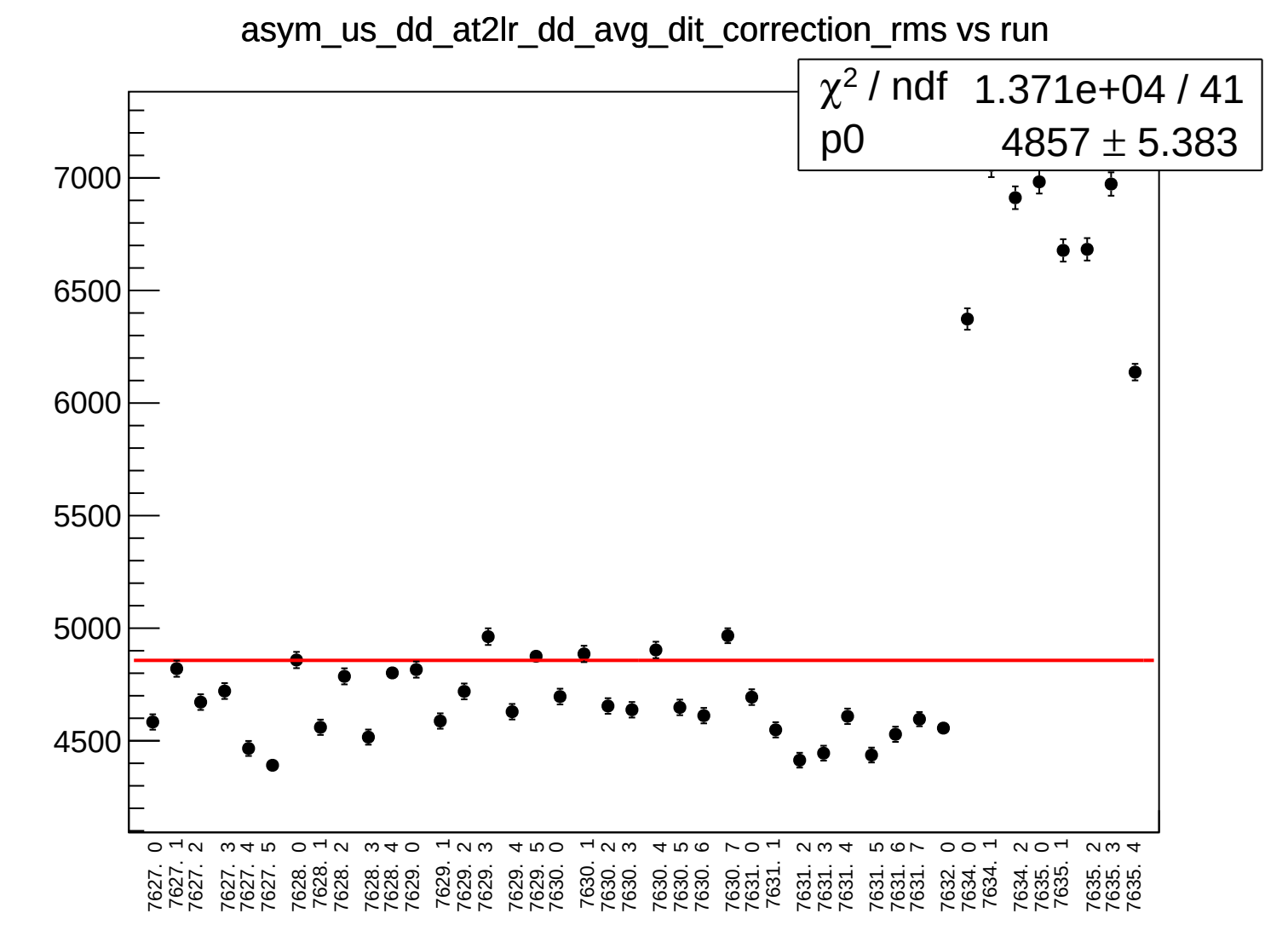

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.354e+04 / 41
p0 4750 ± 5.264
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

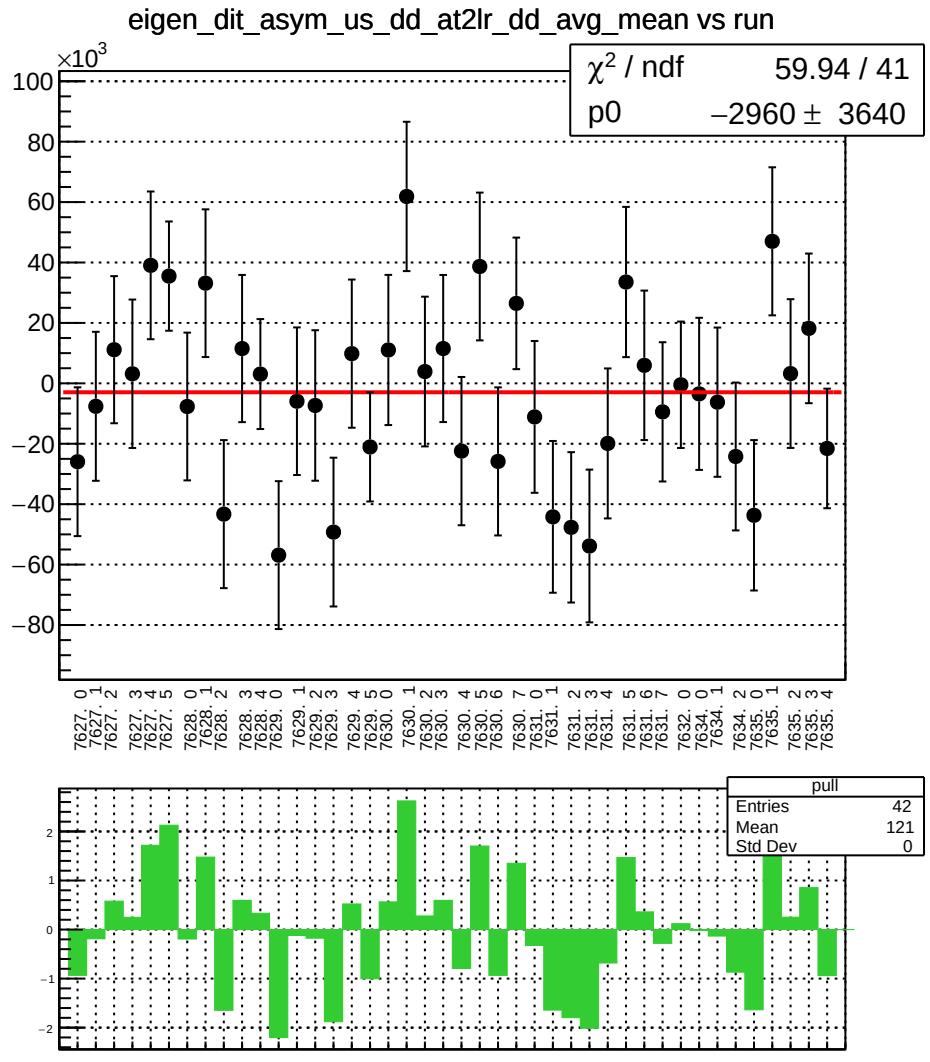

dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 59.94 / 41
p0 −2960 ± 3640
pull
Entries 42
Mean 121
Std Dev 0
pull1D
Entries 42
Mean −0.01429
Std Dev 1.195

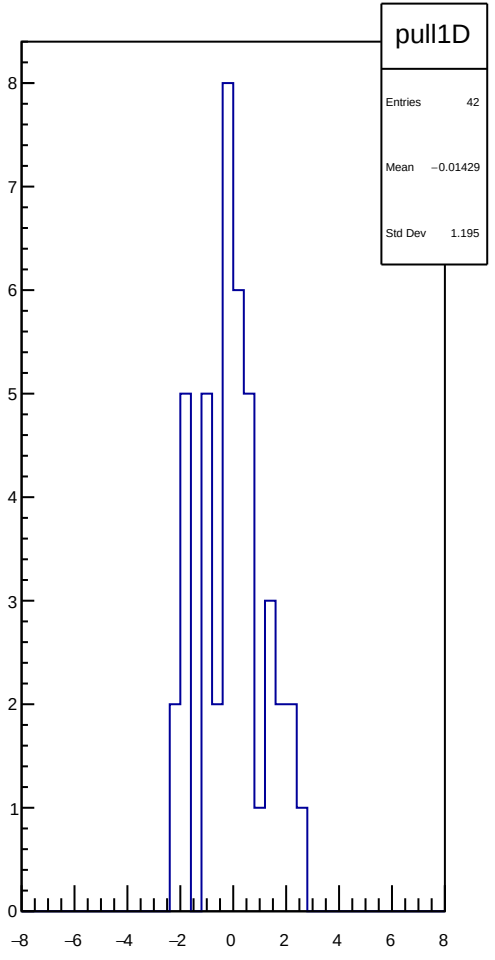

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 78.89 / 41
p0 2342 ± 2.574
2420
2400
2380
2360
2340
2320
2300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

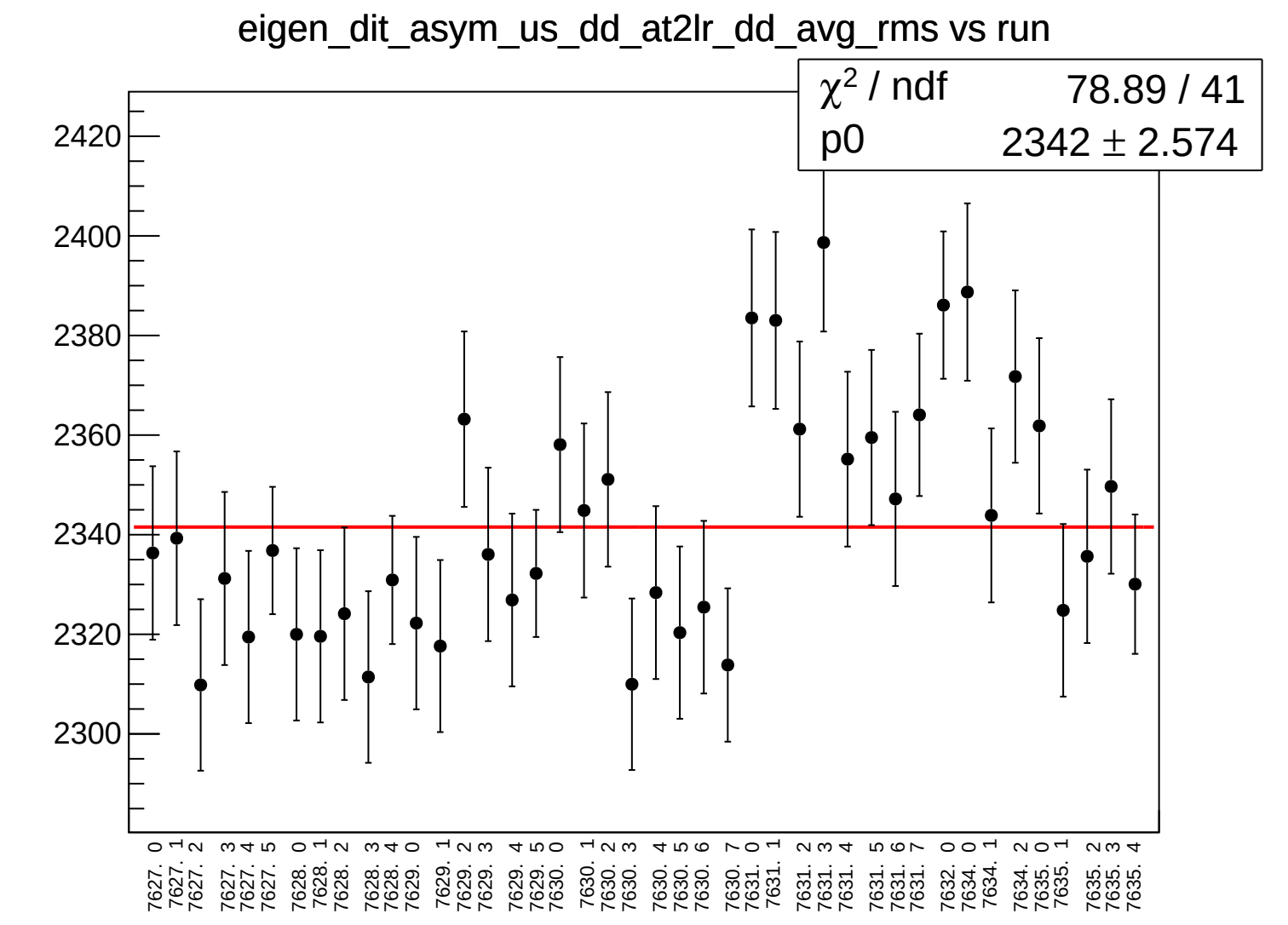

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 29 / 41
p0 −89.35 ± 7613
pull
Entries 42
Mean 116.6
Std Dev 0

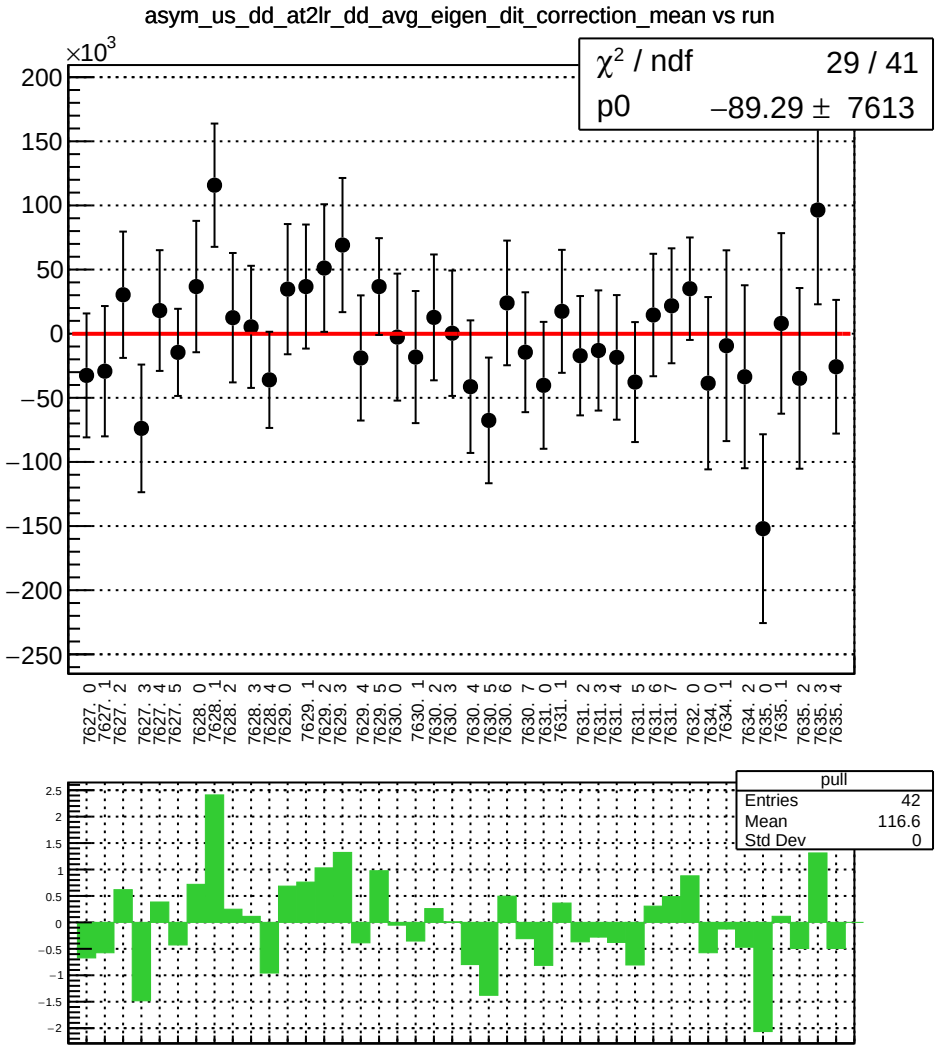

pull1D
Entries 42
Mean −0.01756
Std Dev 0.8307

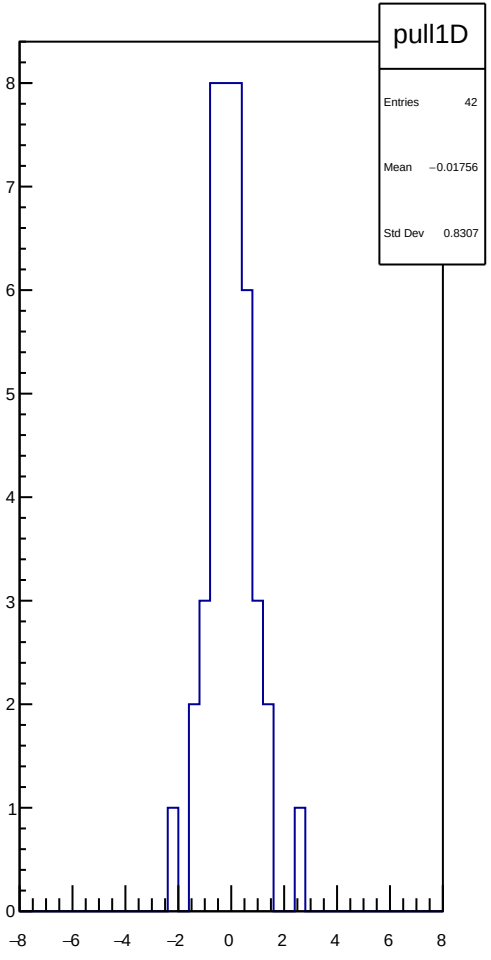

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.371e+04 / 41
p0 4857 ± 5.383
7000
6500
6000
5500
5000
4500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

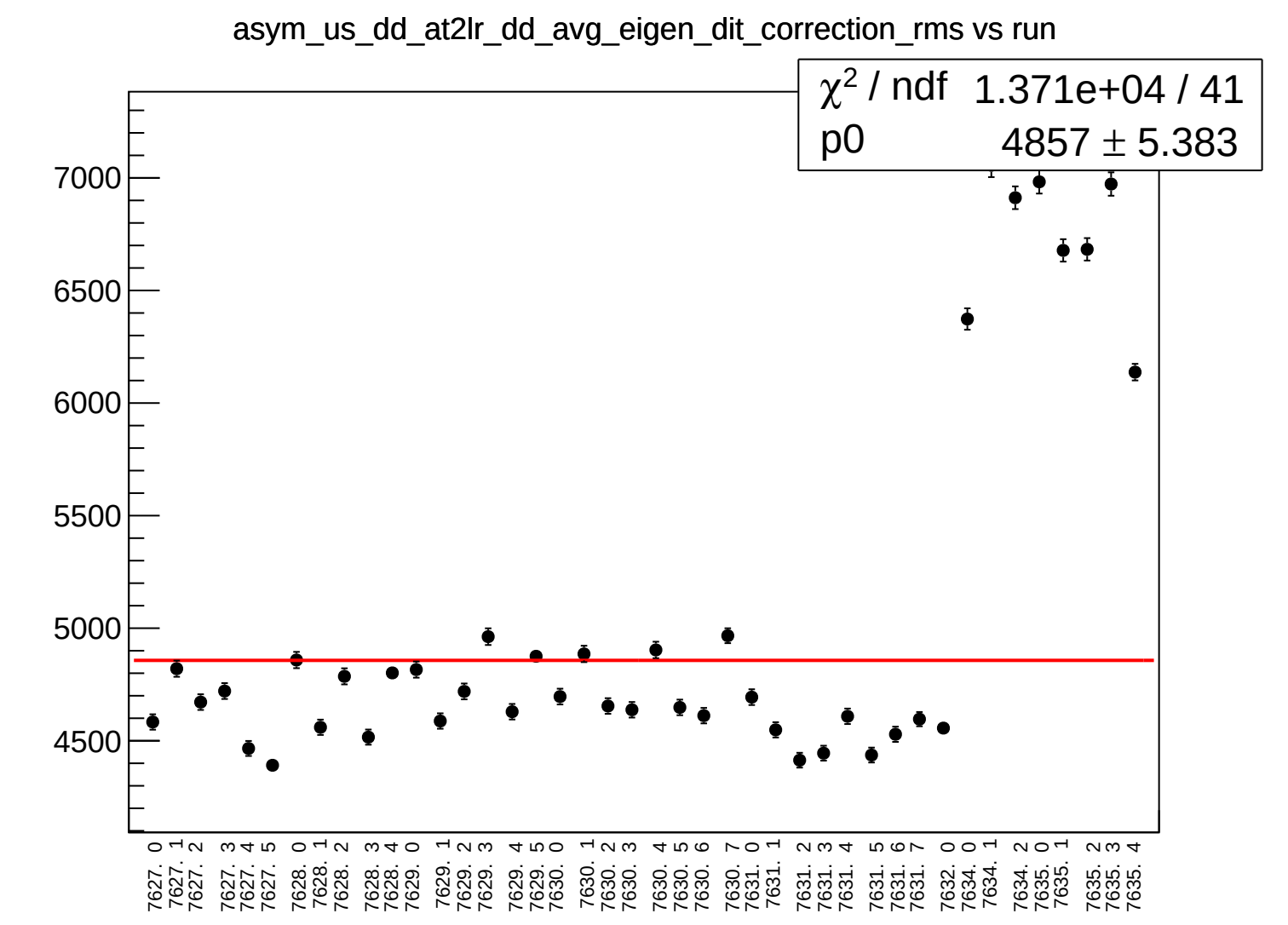

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 59.94 / 41
p0 −2960 ± 3640
pull
Entries 42
Mean 121
Std Dev 0

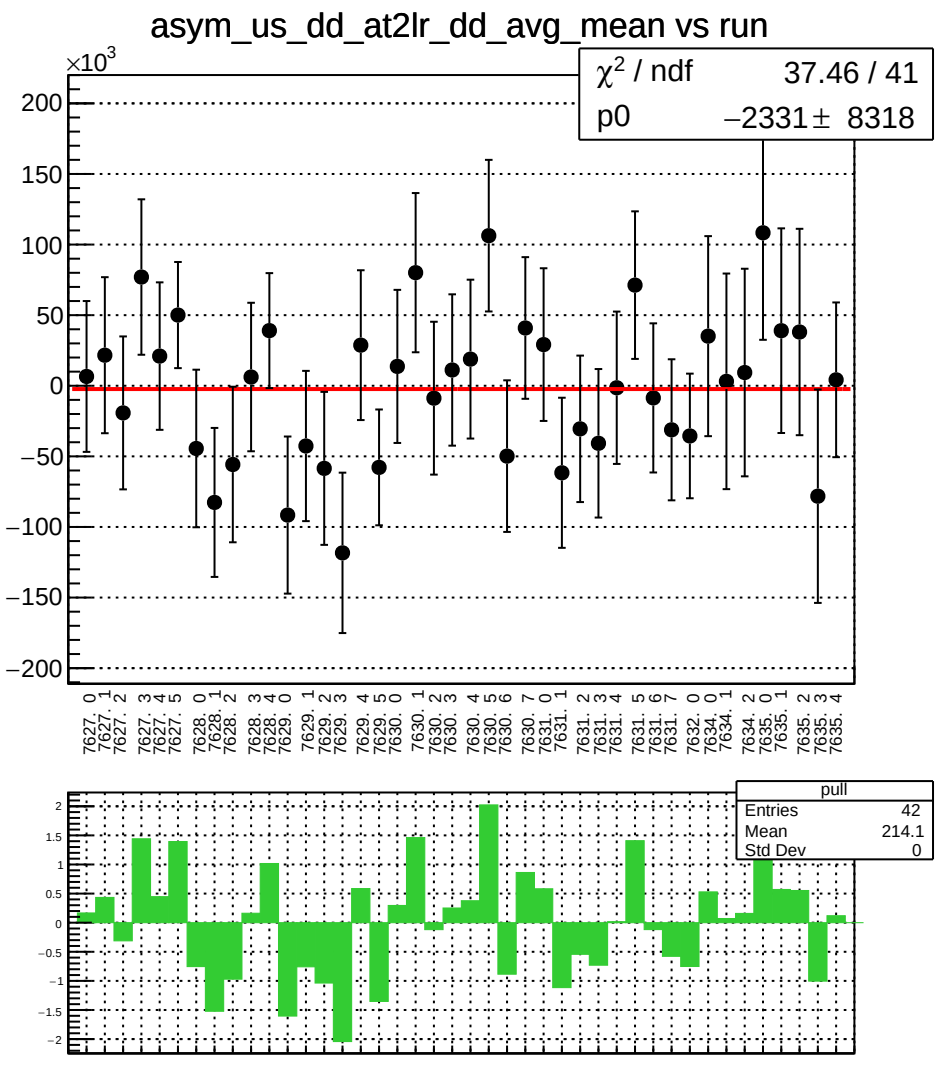

pull1D
Entries 42
Mean −0.01429
Std Dev 1.195

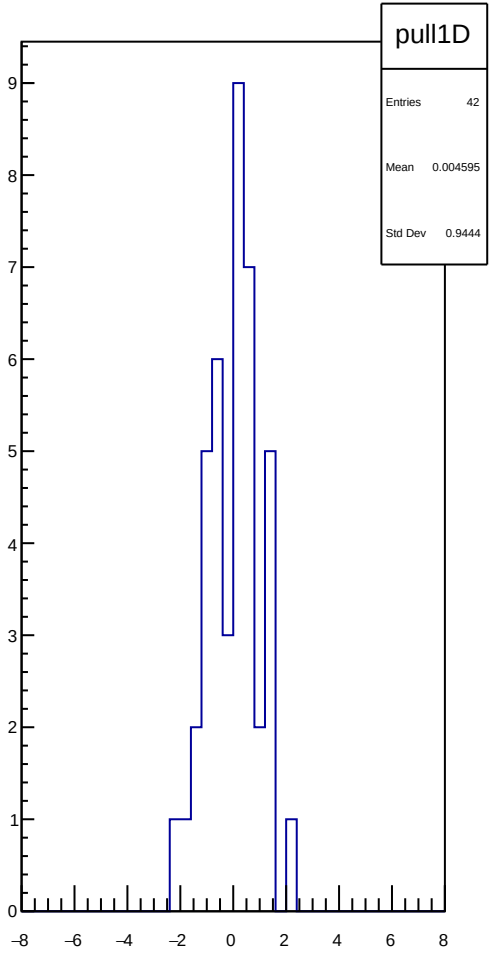

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 78.89 / 41
p0 2342 ± 2.574
2420
2400
2380
2360
2340
2320
2300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

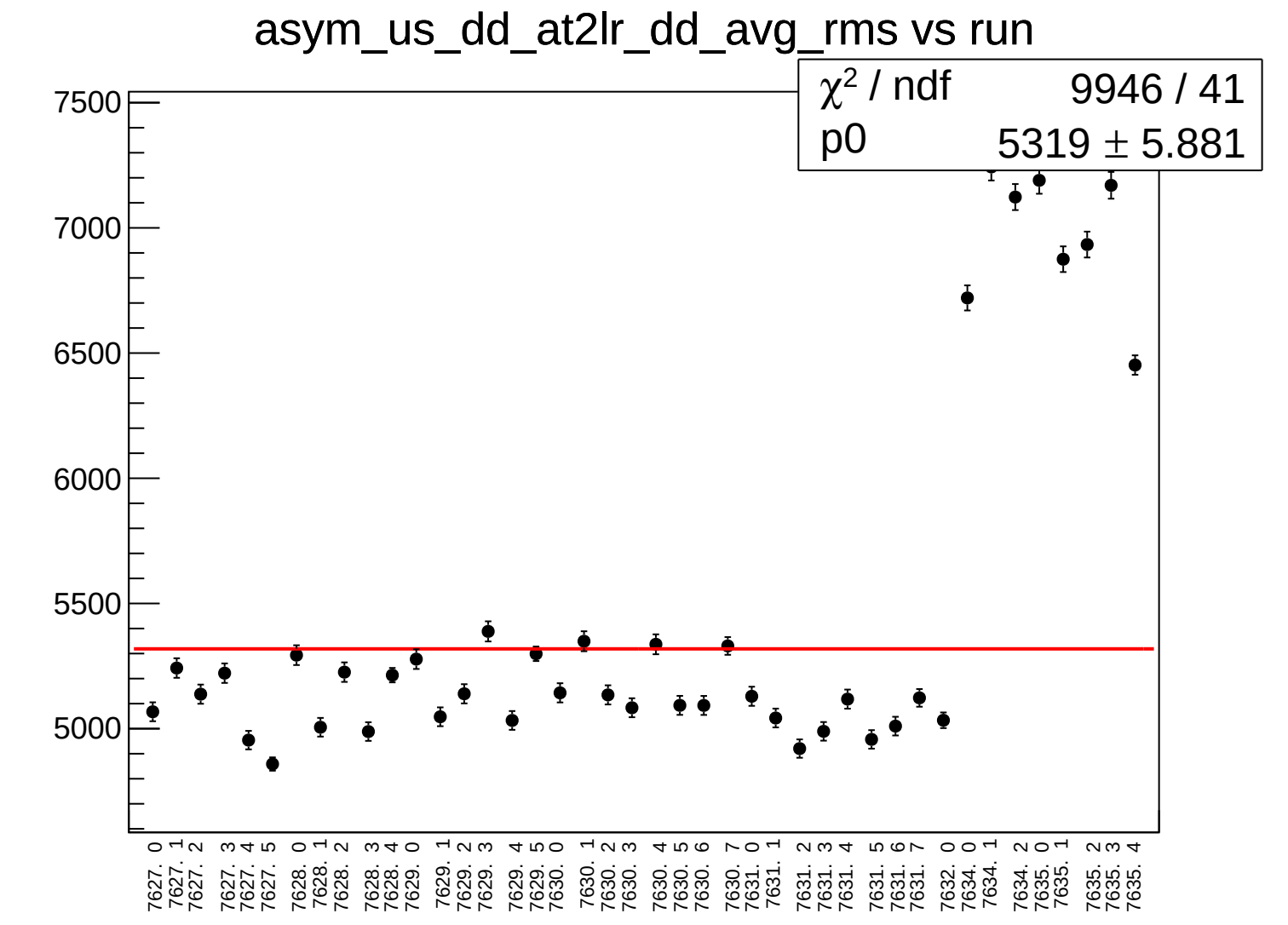

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 29 / 41
p0 −89.29 ± 7613
pull
Entries 42
Mean 116.6
Std Dev 0

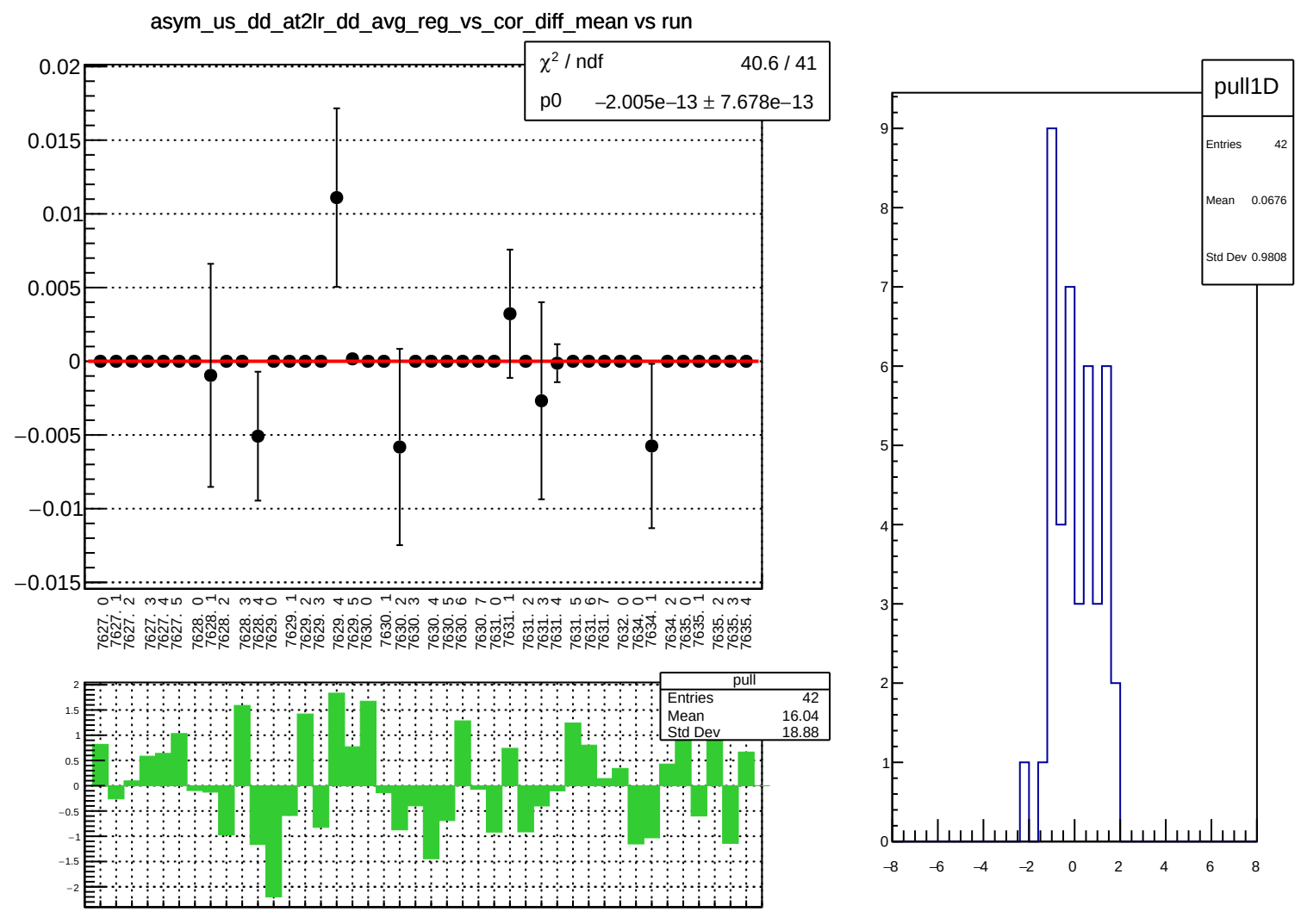

pull1D
Entries 42
Mean −0.01756
Std Dev 0.8307

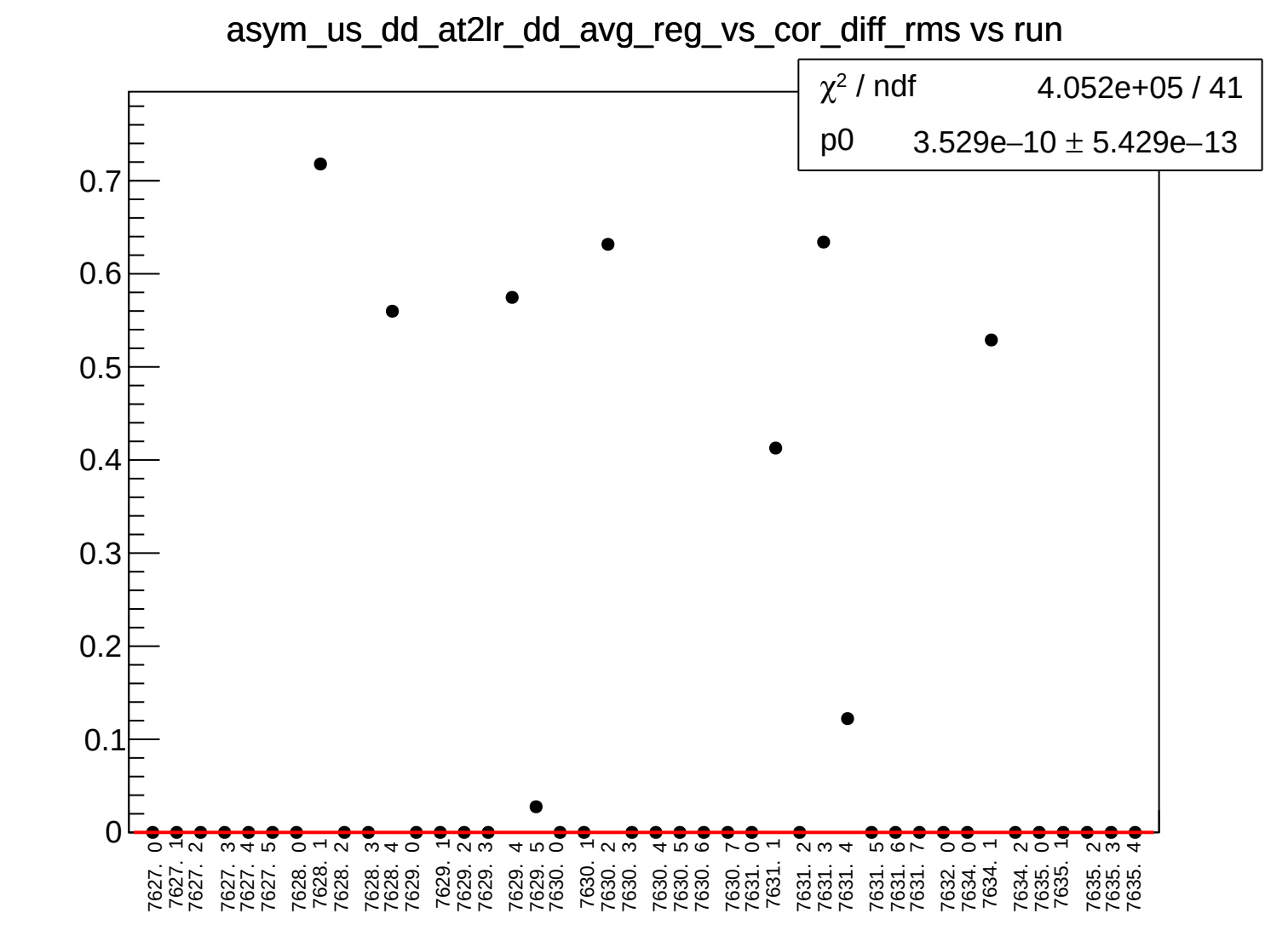

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.371e+04 / 41
p0 4857 ± 5.383
7000
6500
6000
5500
5000
4500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

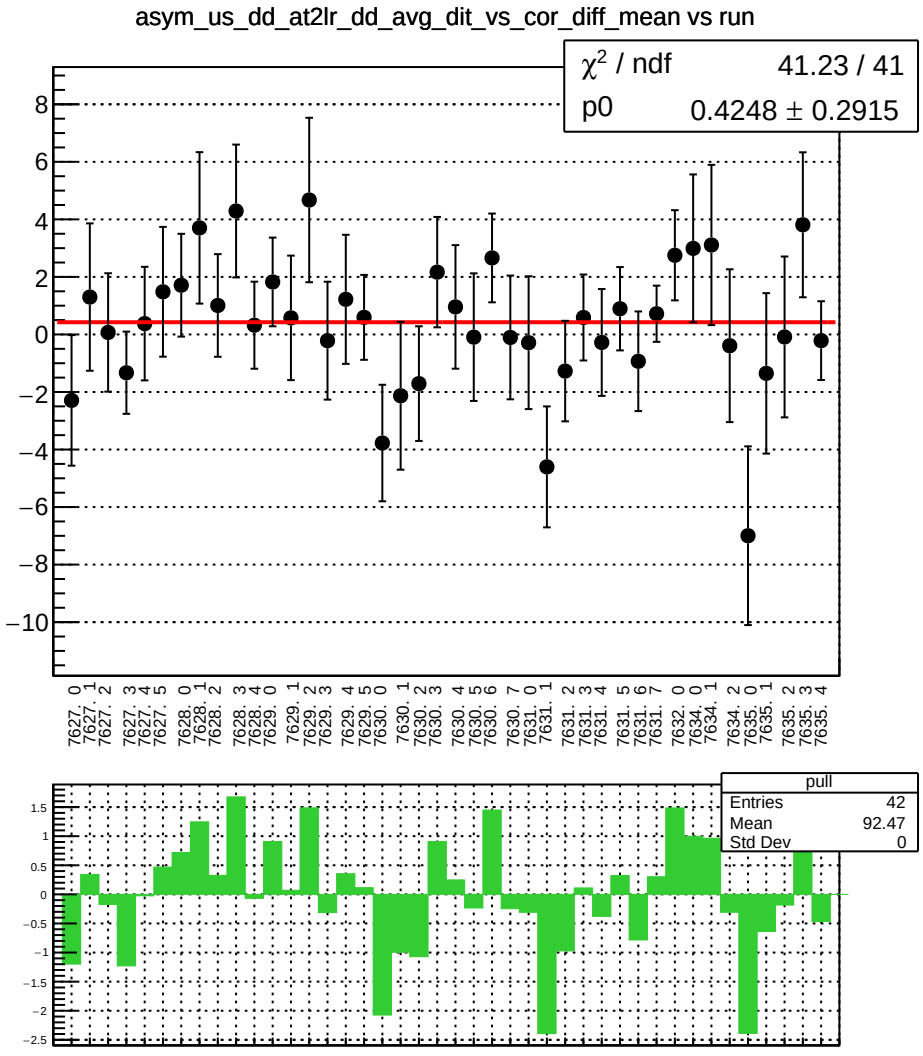

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 37.46 / 41
p0 −2331 ± 8318
200
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 214.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

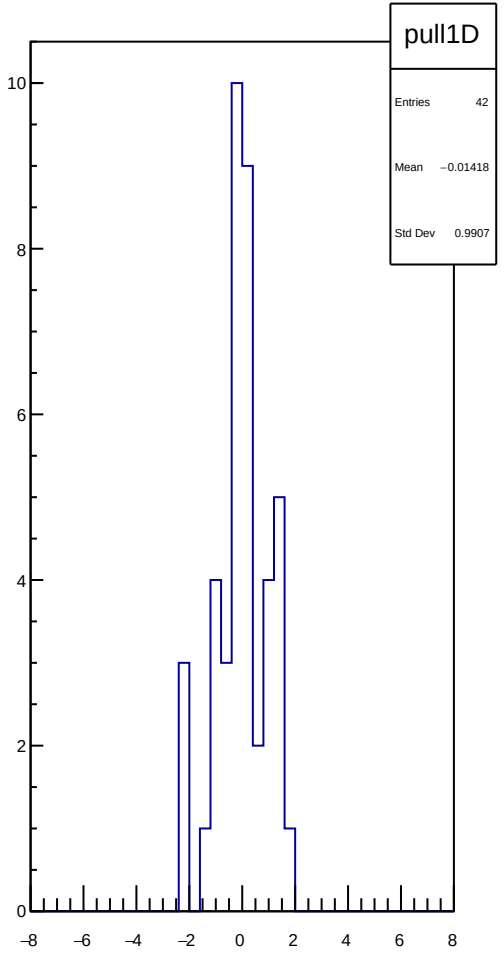

pull1D
Entries 42
Mean 0.004595
Std Dev 0.9444
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

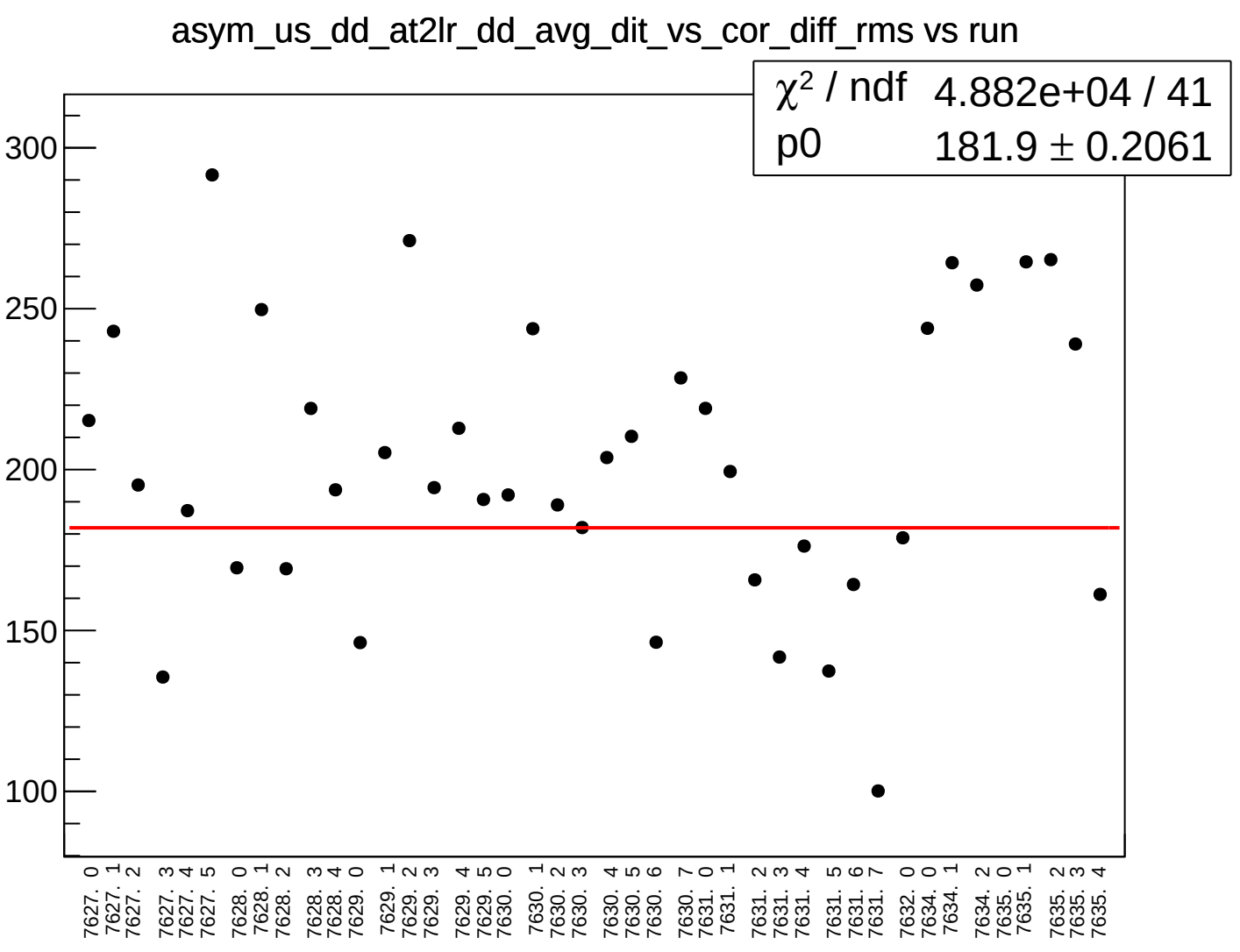

asym_us_dd_at2lr_dd_avg_rms vs run
χ^2 / ndf 9946 / 41
p0 5319 ± 5.881
7500
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

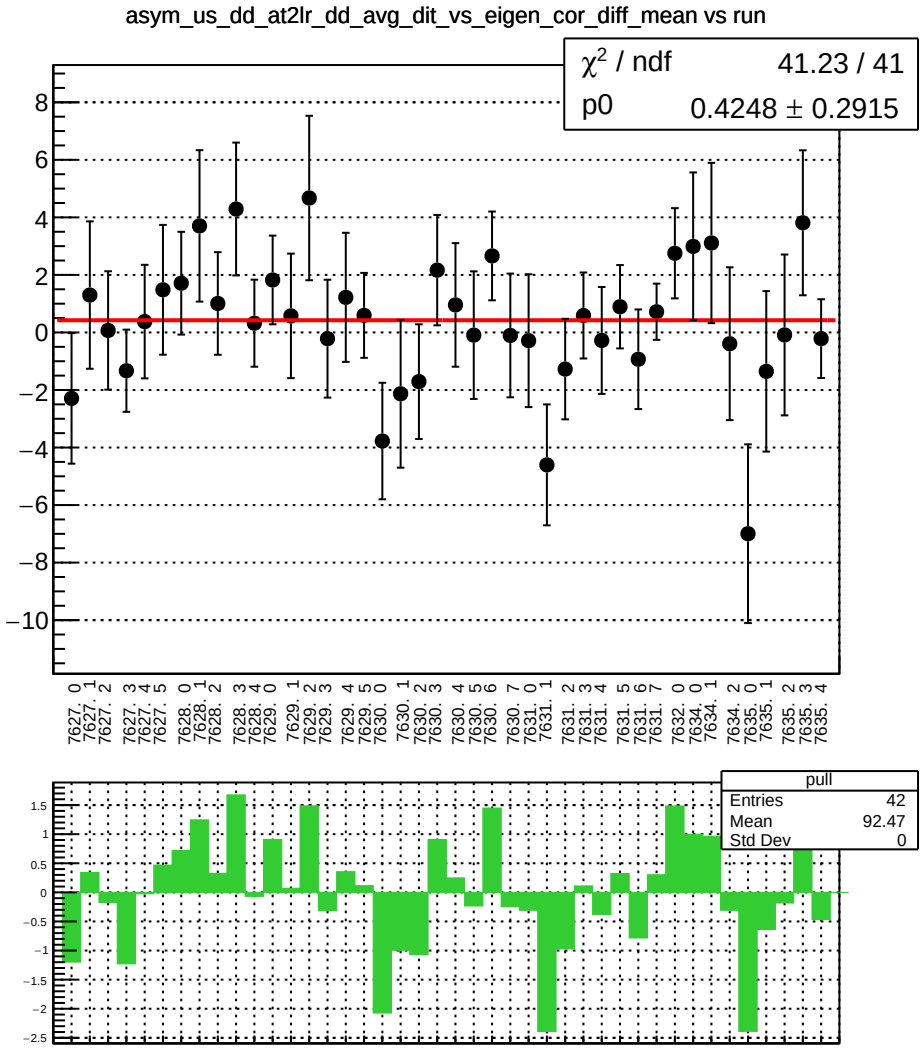

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.6 / 41
p0 −2.005e−13 ± 7.678e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 16.04
Std Dev 18.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.0676
Std Dev 0.9808
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

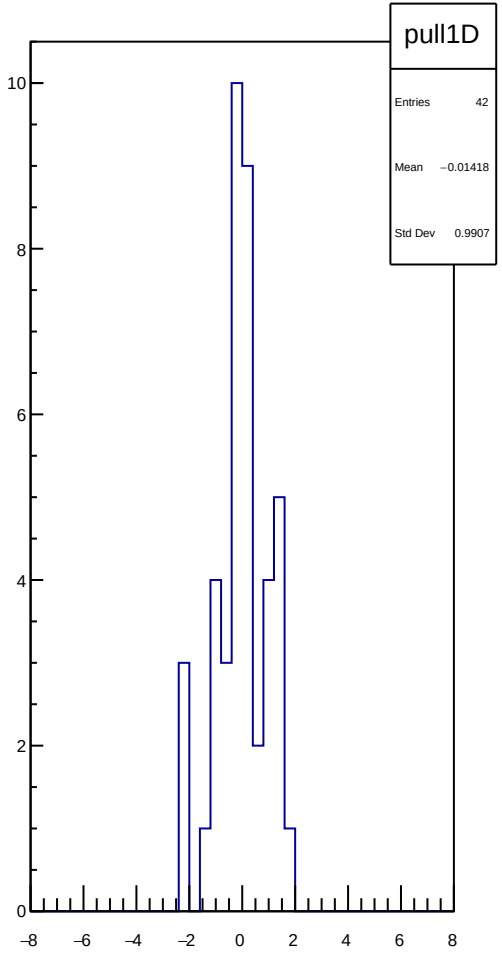

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.052e+05 / 41
p0 3.529e−10 ± 5.429e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

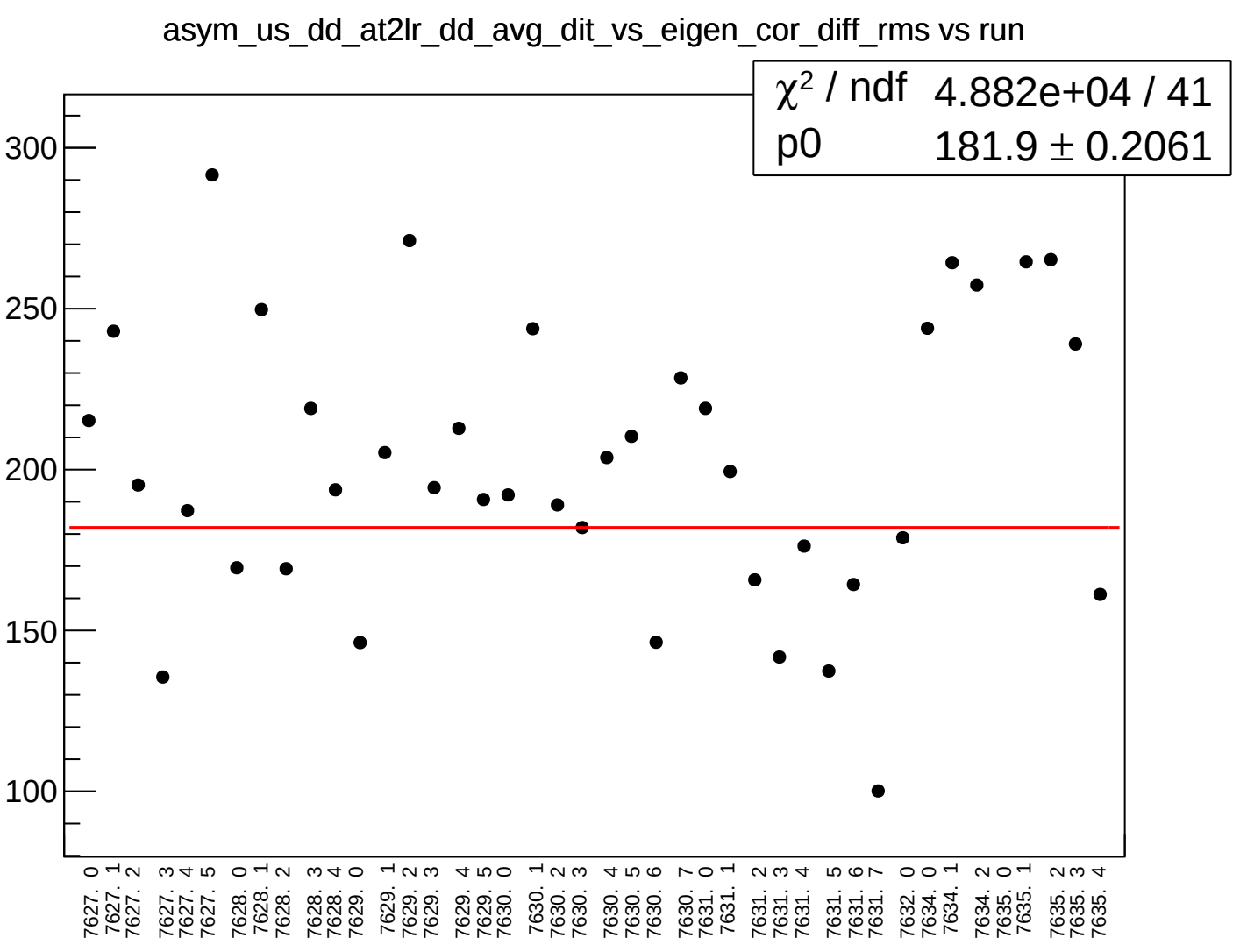

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 41.23 / 41
p0 0.4248 ± 0.2915
pull
Entries 42
Mean 92.47
Std Dev 0

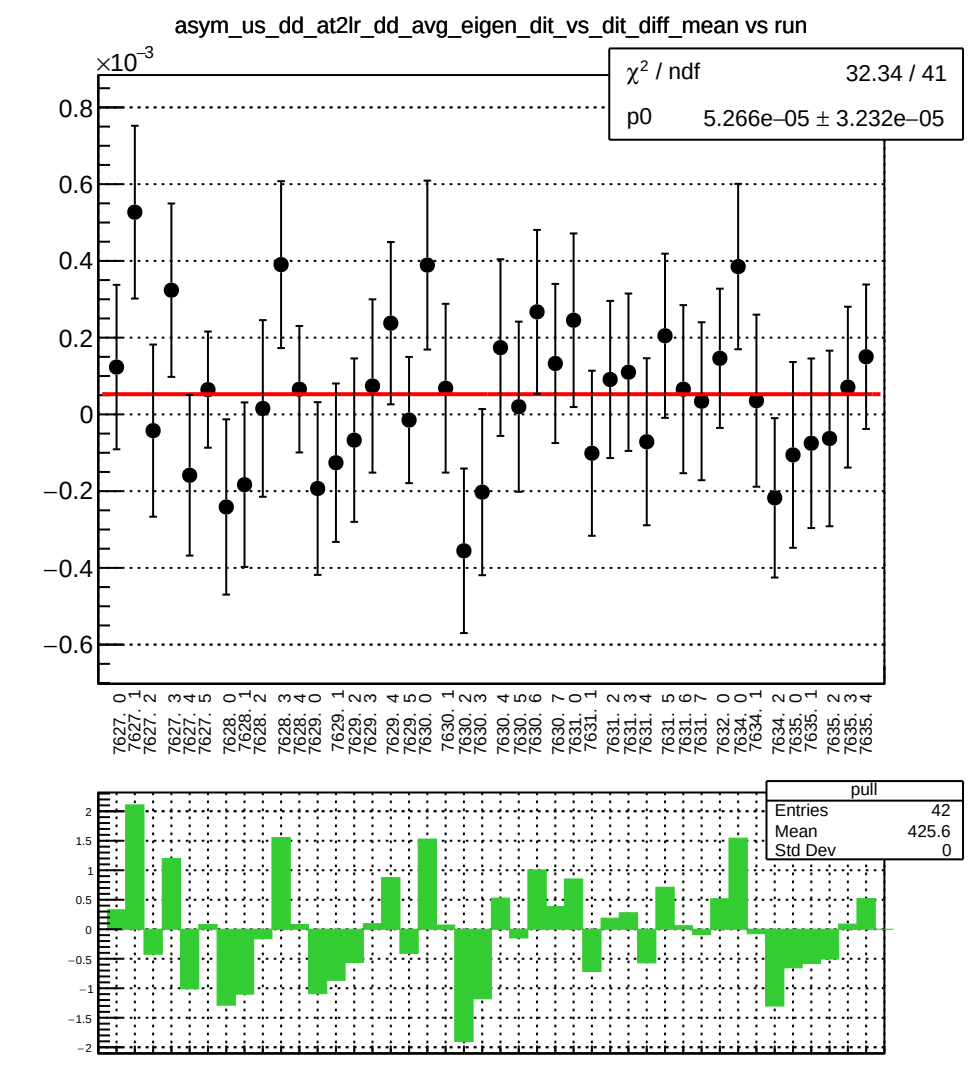

pull1D
Entries 42
Mean −0.01418
Std Dev 0.9907

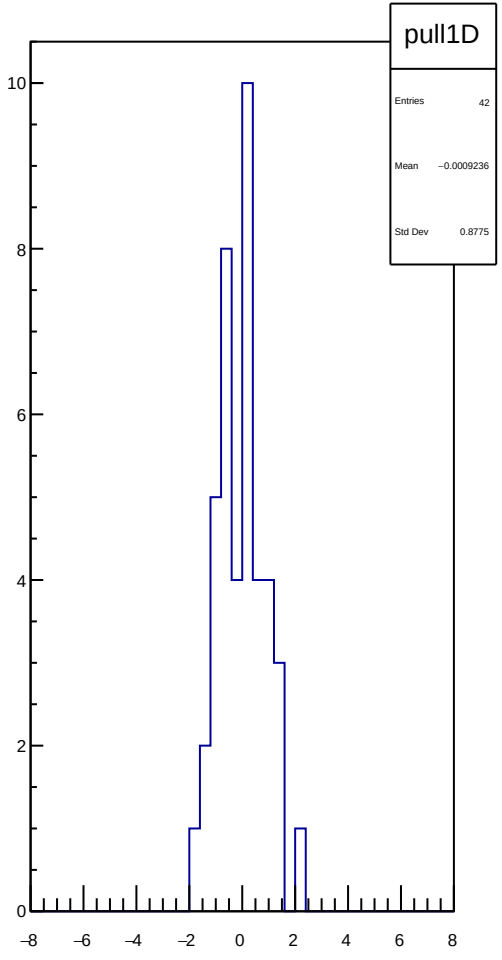

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.882e+04 / 41
p0 181.9 ± 0.2061
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

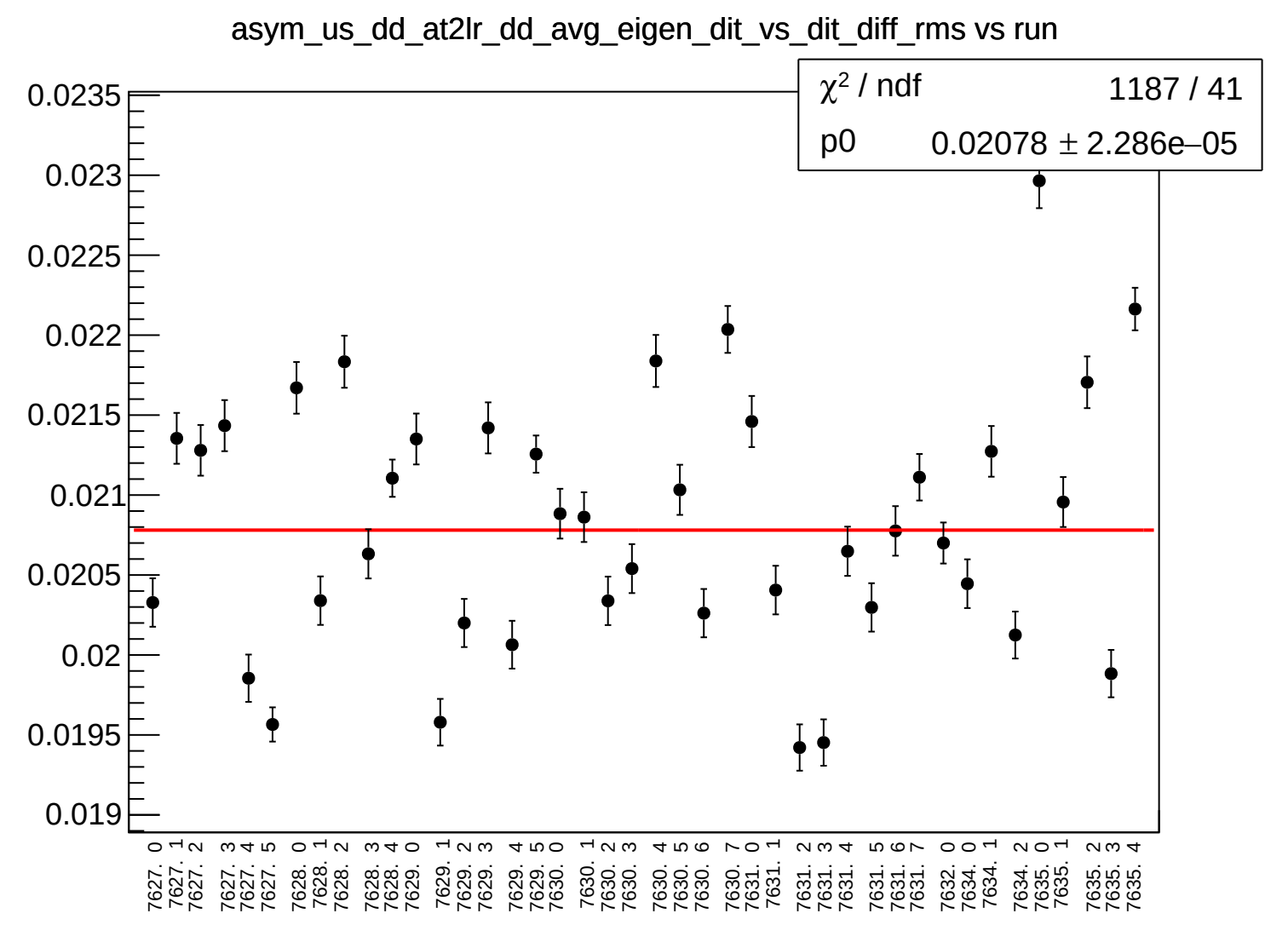

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.23 / 41
p0 0.4248 ± 0.2915
pull
Entries 42
Mean 92.47
Std Dev 0

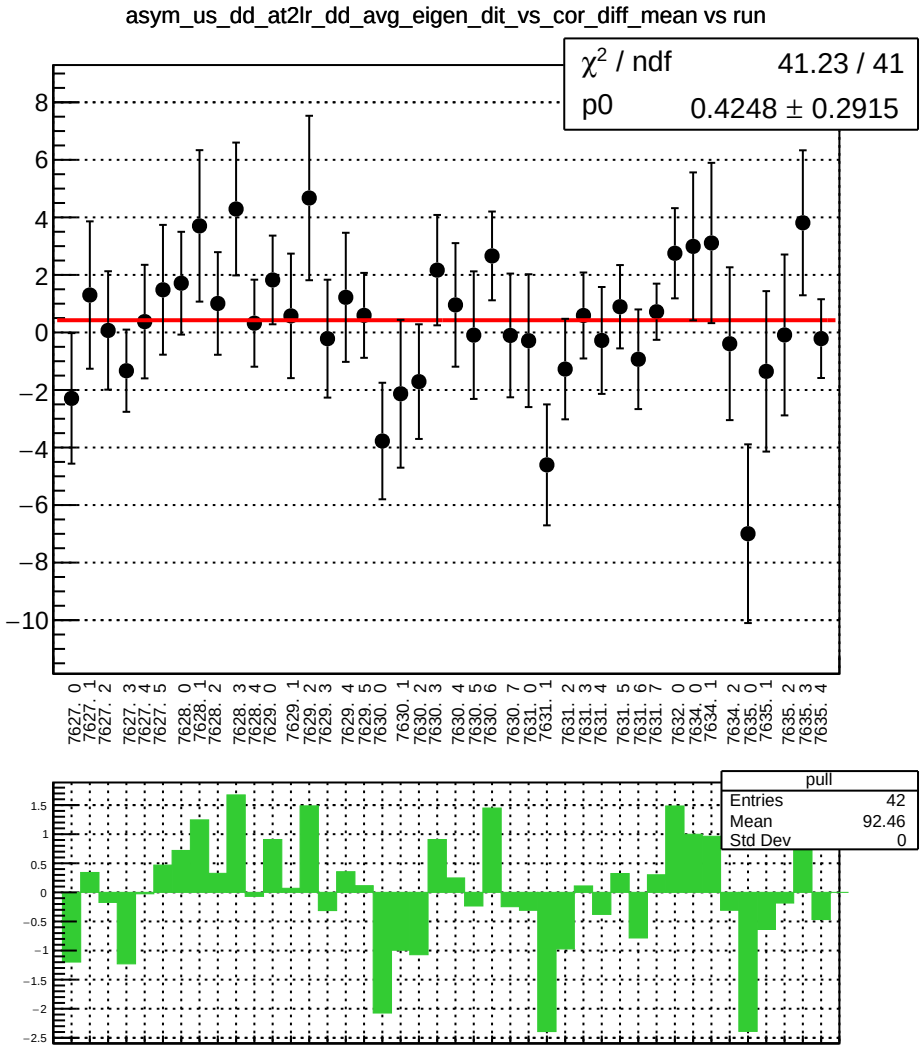

pull1D
Entries 42
Mean −0.01418
Std Dev 0.9907

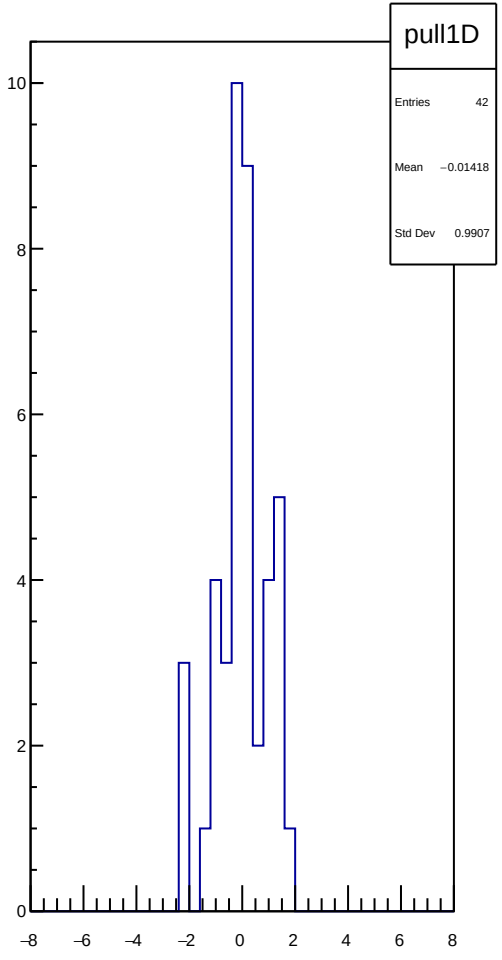

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.882e+04 / 41
p0 181.9 ± 0.2061
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

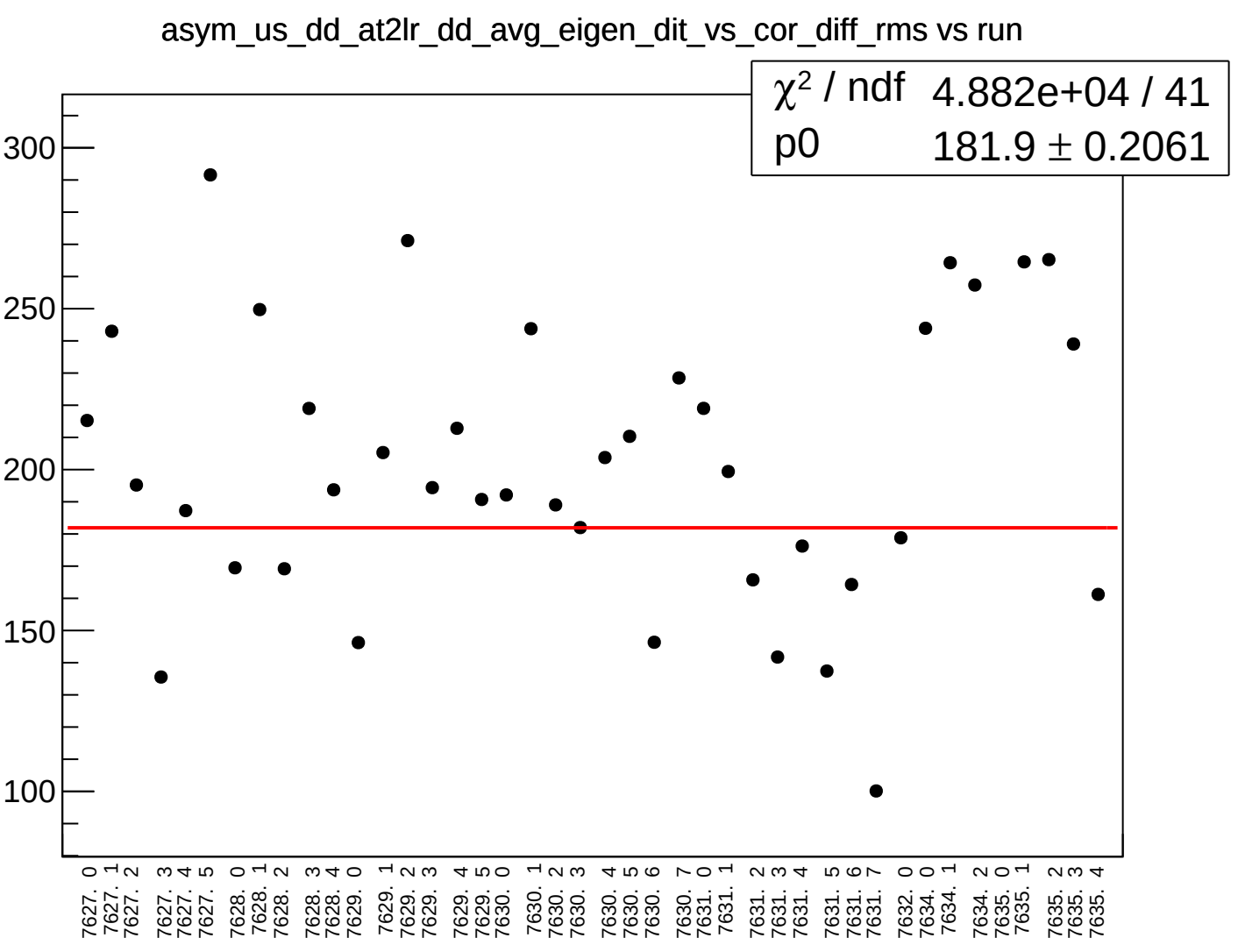

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.34 / 41
p0 5.266e−05 ± 3.232e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 425.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

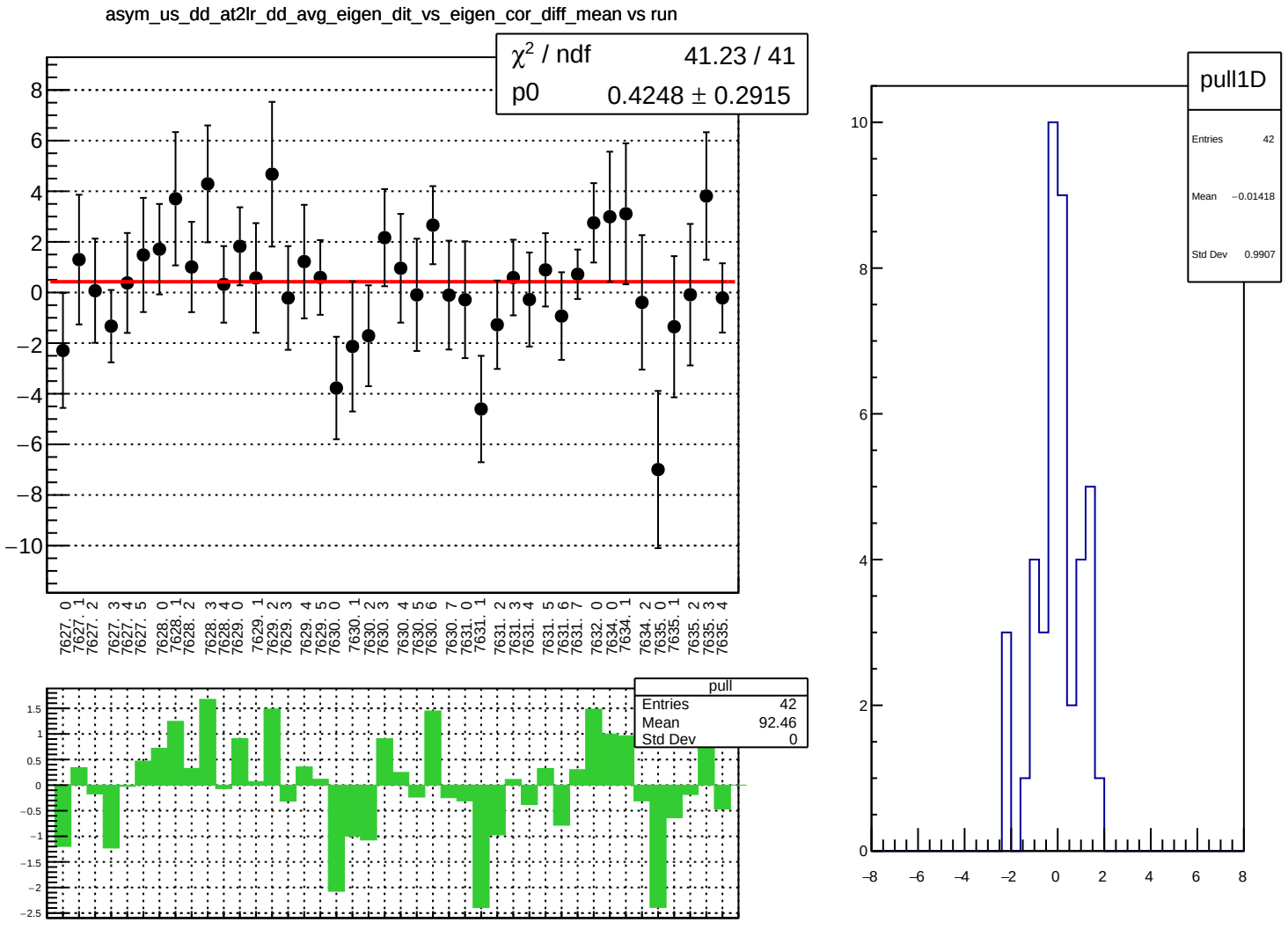

pull1D
Entries 42
Mean −0.0009236
Std Dev 0.8775
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

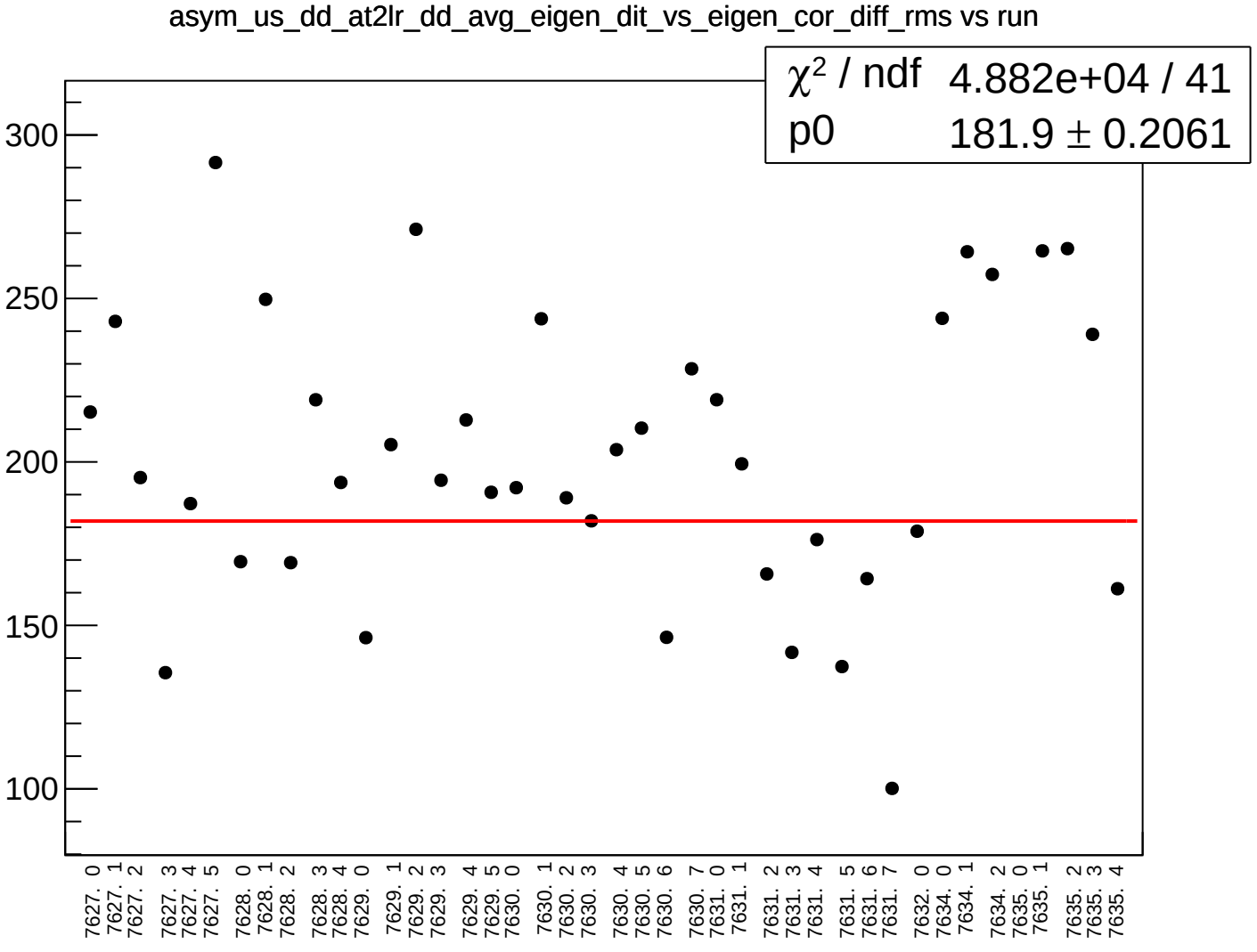

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1187 / 41
p0 0.02078 ± 2.286e−05
0.0235
0.023
0.0225
0.022
0.0215
0.021
0.0205
0.02
0.0195
0.019
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

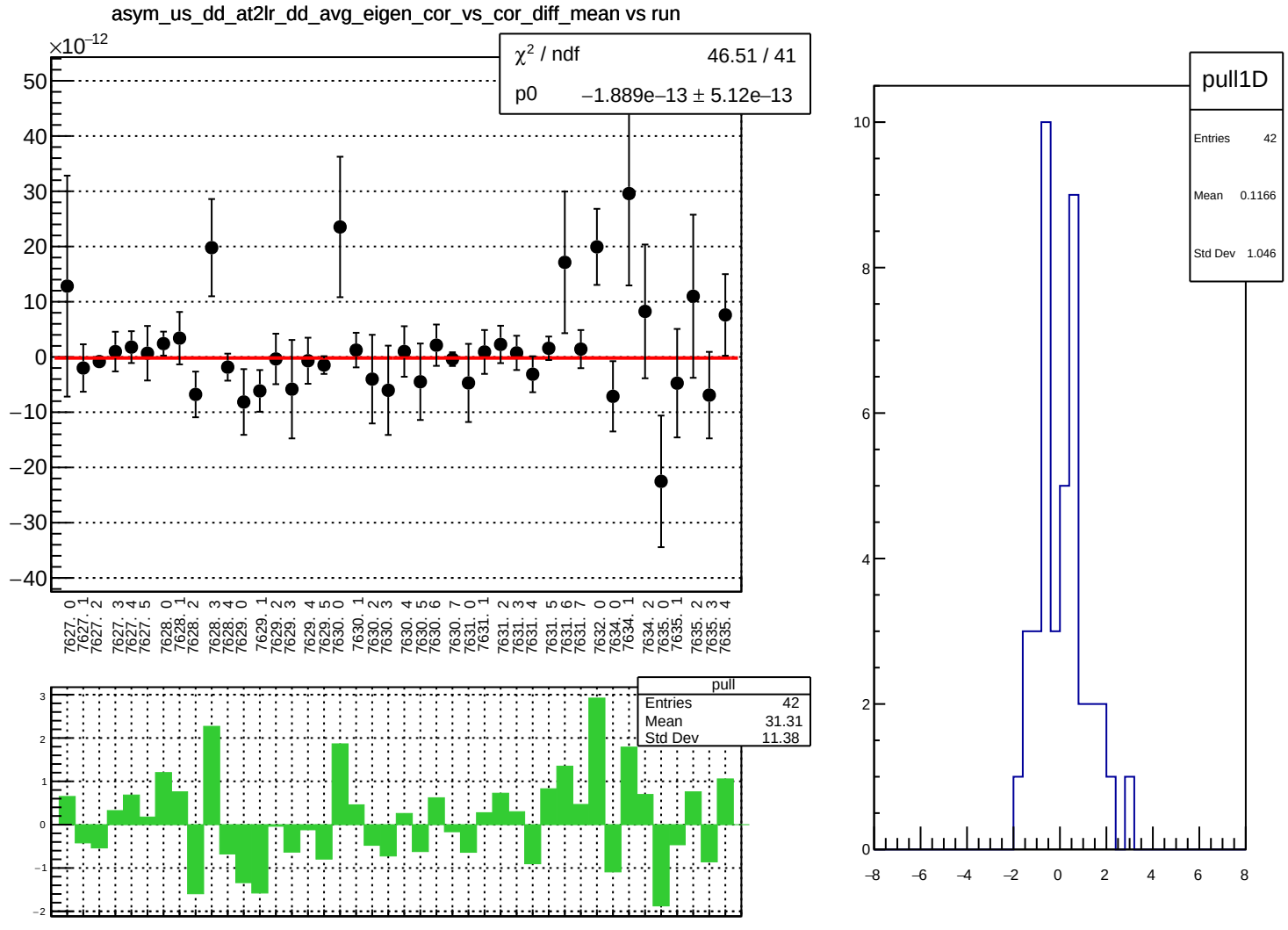

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.23 / 41
p0 0.4248 ± 0.2915
pull
Entries 42
Mean 92.46
Std Dev 0

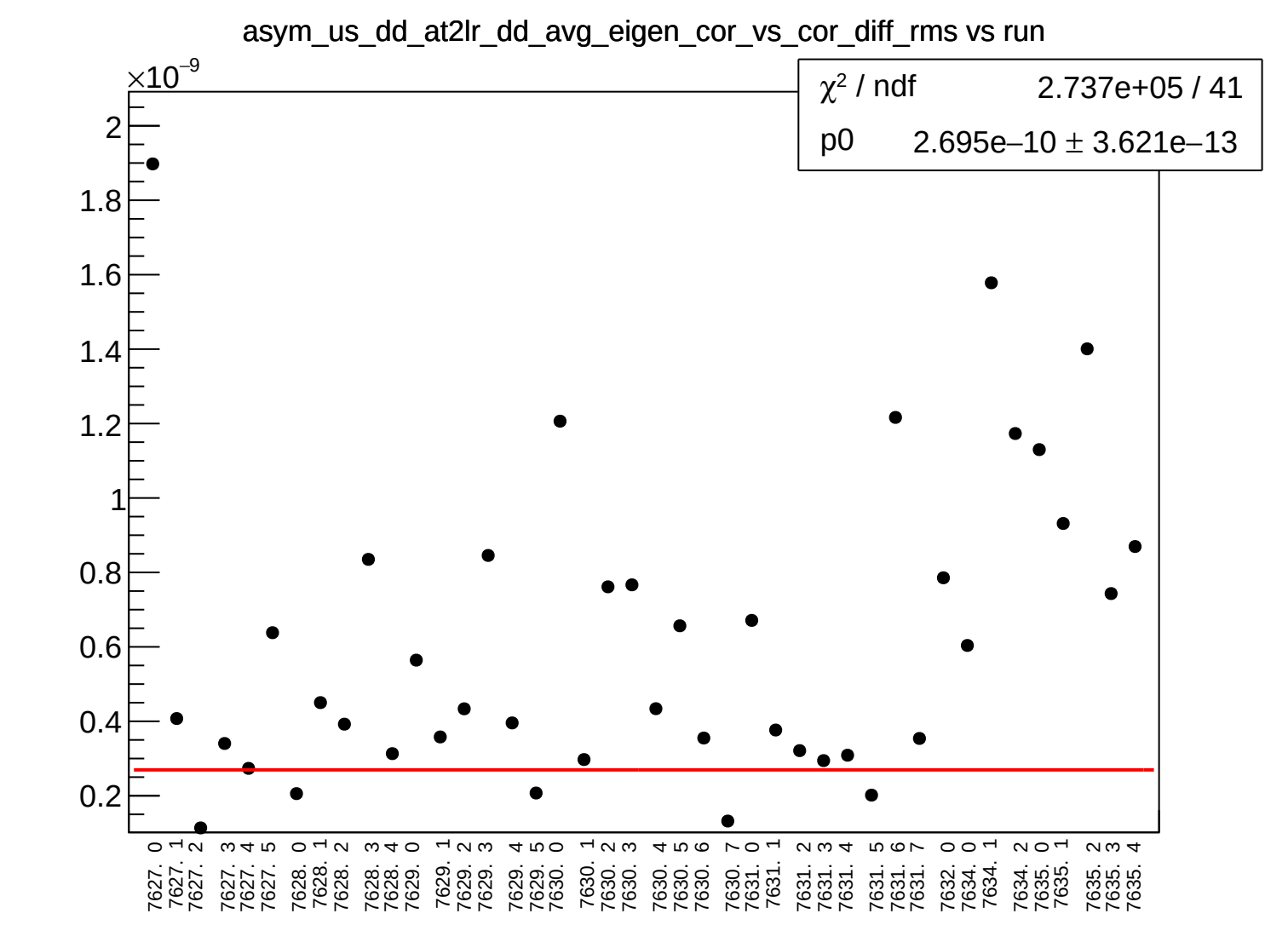

pull1D
Entries 42
Mean −0.01418
Std Dev 0.9907

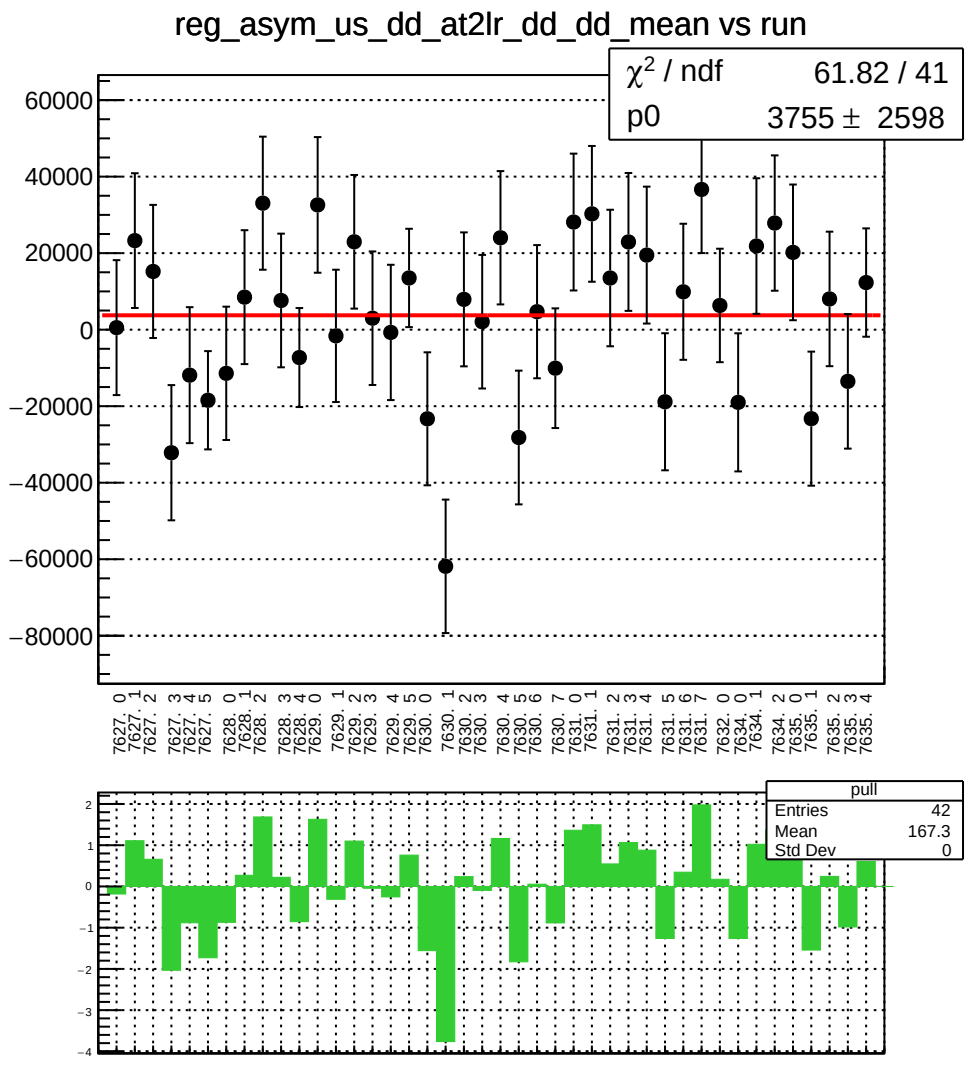

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.882e+04 / 41
p0 181.9 ± 0.2061
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

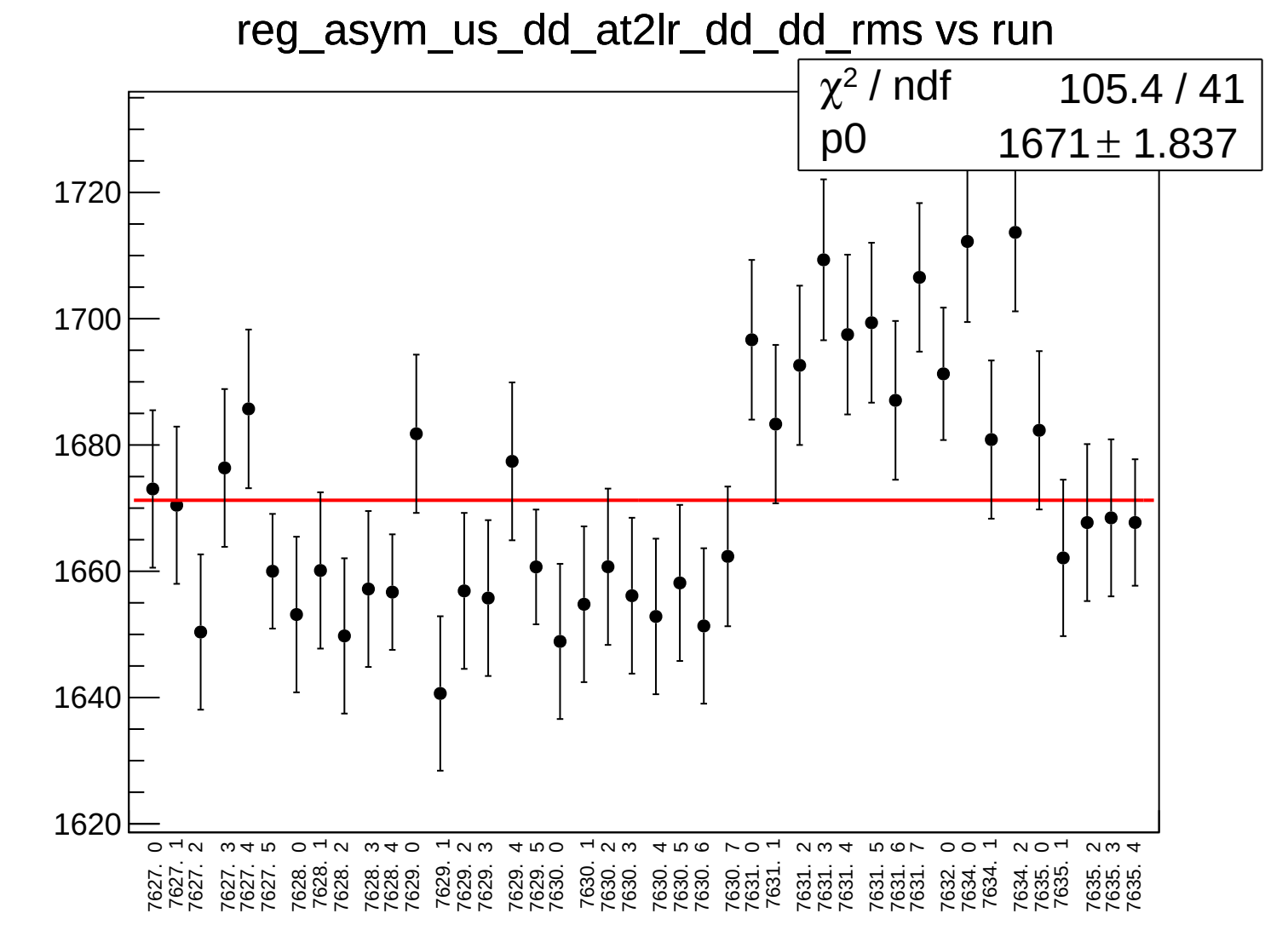

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.23 / 41
p0 0.4248 ± 0.2915
pull
Entries 42
Mean 92.46
Std Dev 0
pull1D
Entries 42
Mean −0.01418
Std Dev 0.9907

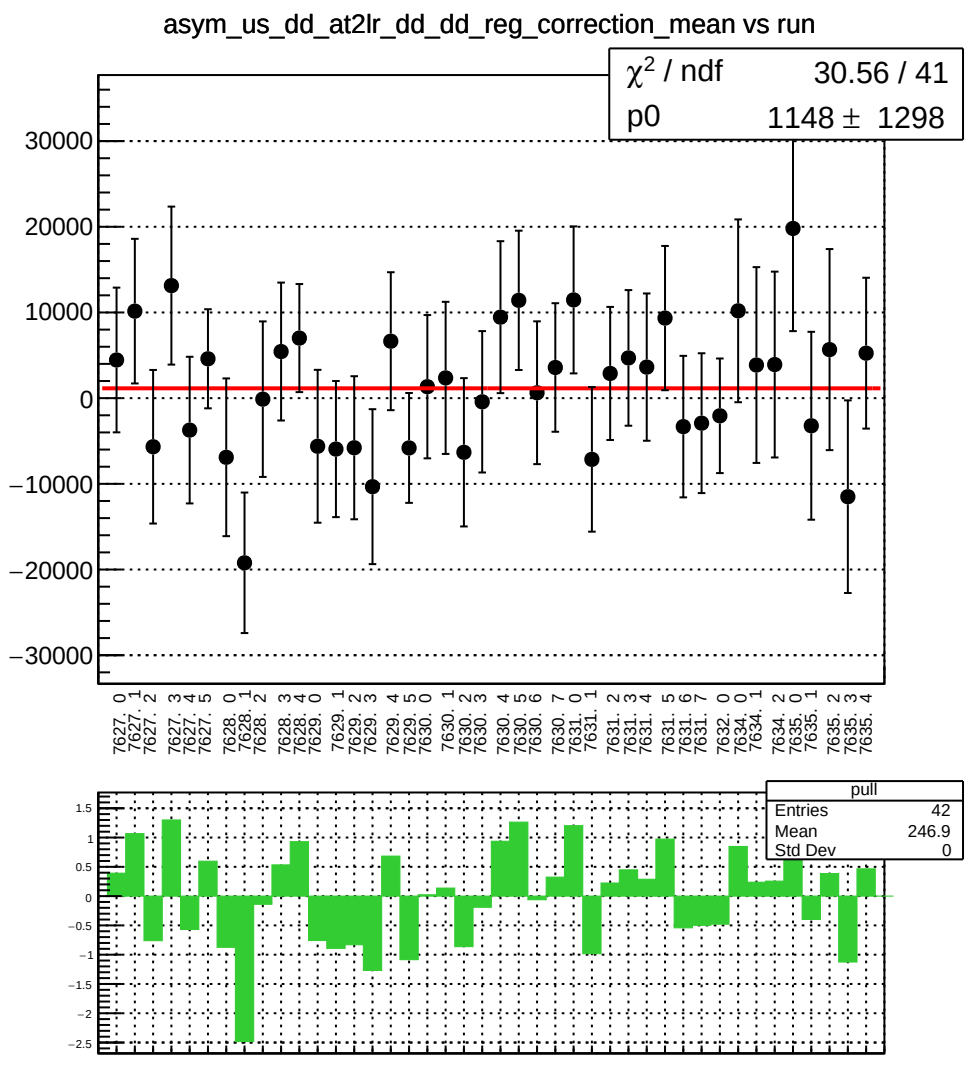

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.882e+04 / 41
p0 181.9 ± 0.2061
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

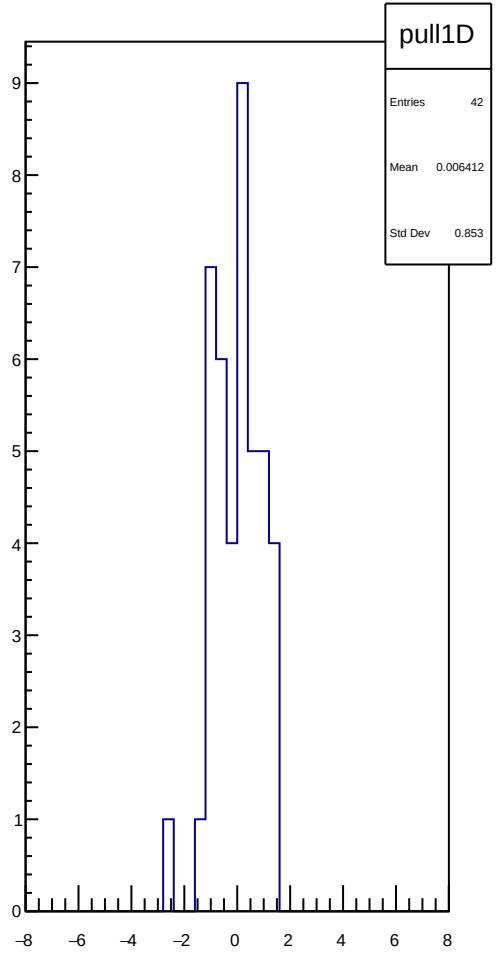

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.51 / 41
p0 −1.889e−13 ± 5.12e−13
pull
Entries 42
Mean 31.31
Std Dev 11.38
pull1D
Entries 42
Mean 0.1166
Std Dev 1.046

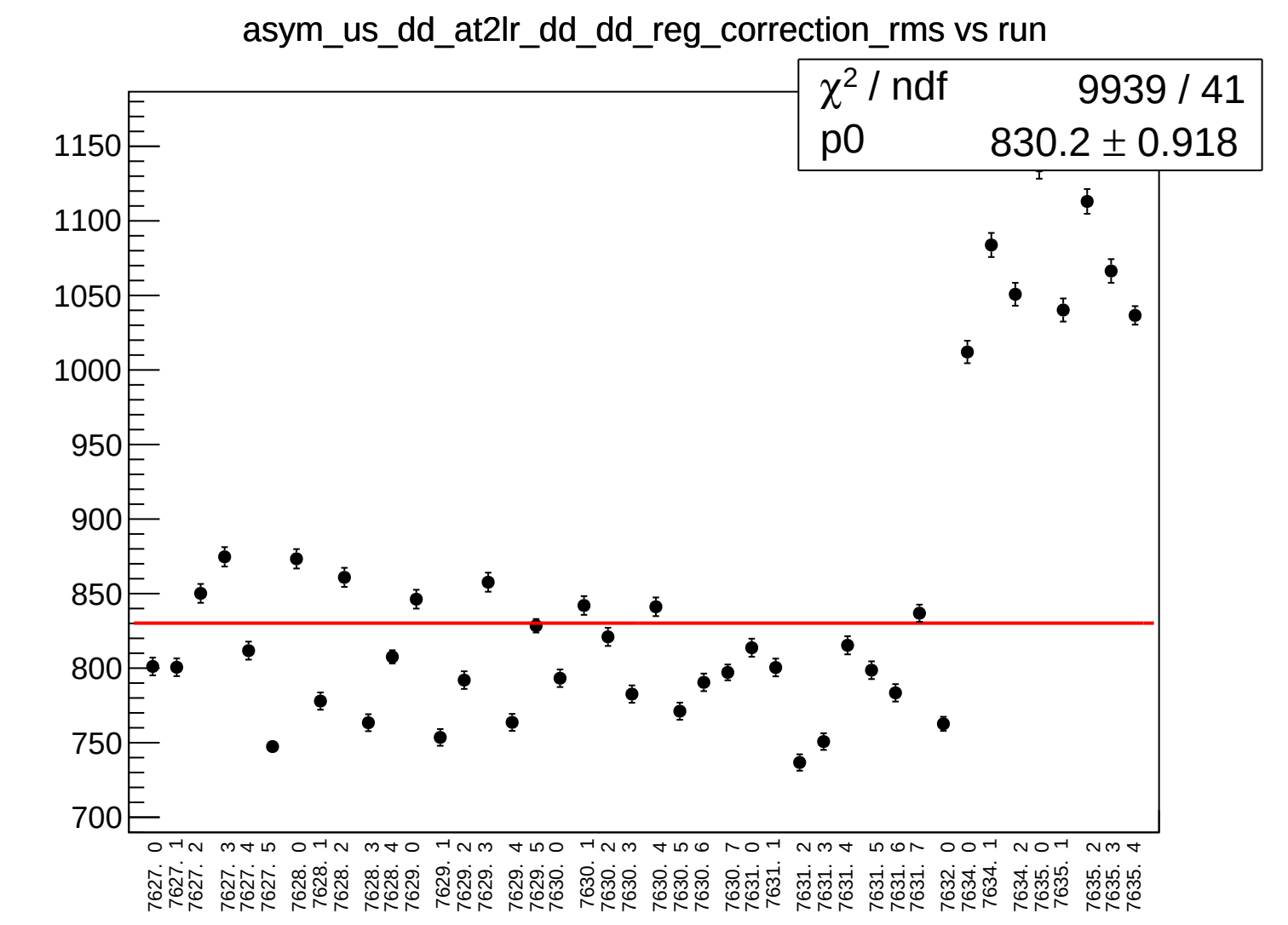

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.737e+05 / 41
p0 2.695e−10 ± 3.621e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 61.82 / 41
p0 3755 ± 2598
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 167.3
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 42
Mean 0.01345
Std Dev 1.213
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 105.4 / 41
p0 1671 ± 1.837
1720
1700
1680
1660
1640
1620
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 30.56 / 41
p0 1148 ± 1298
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 246.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.006412
Std Dev 0.853
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 9939 / 41
p0 830.2 ± 0.918
1150
1100
1050
1000
950
900
850
800
750
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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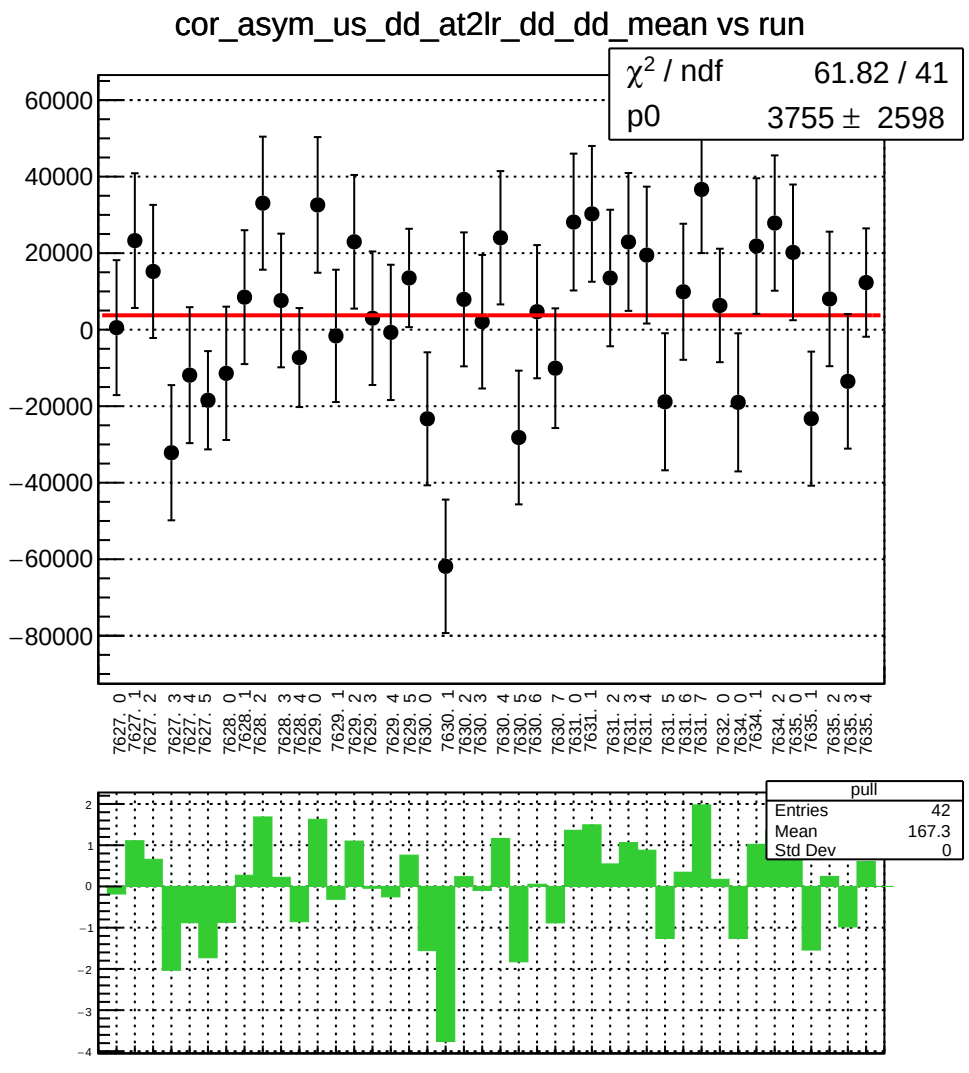
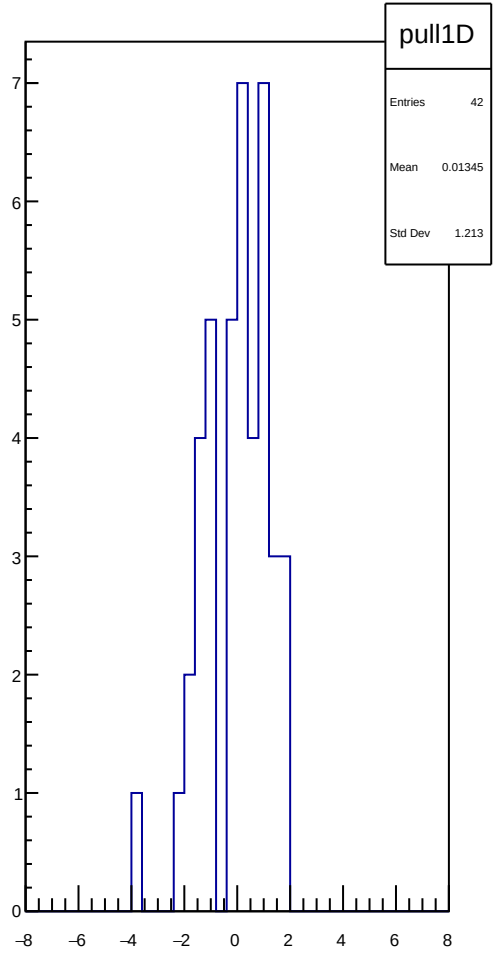
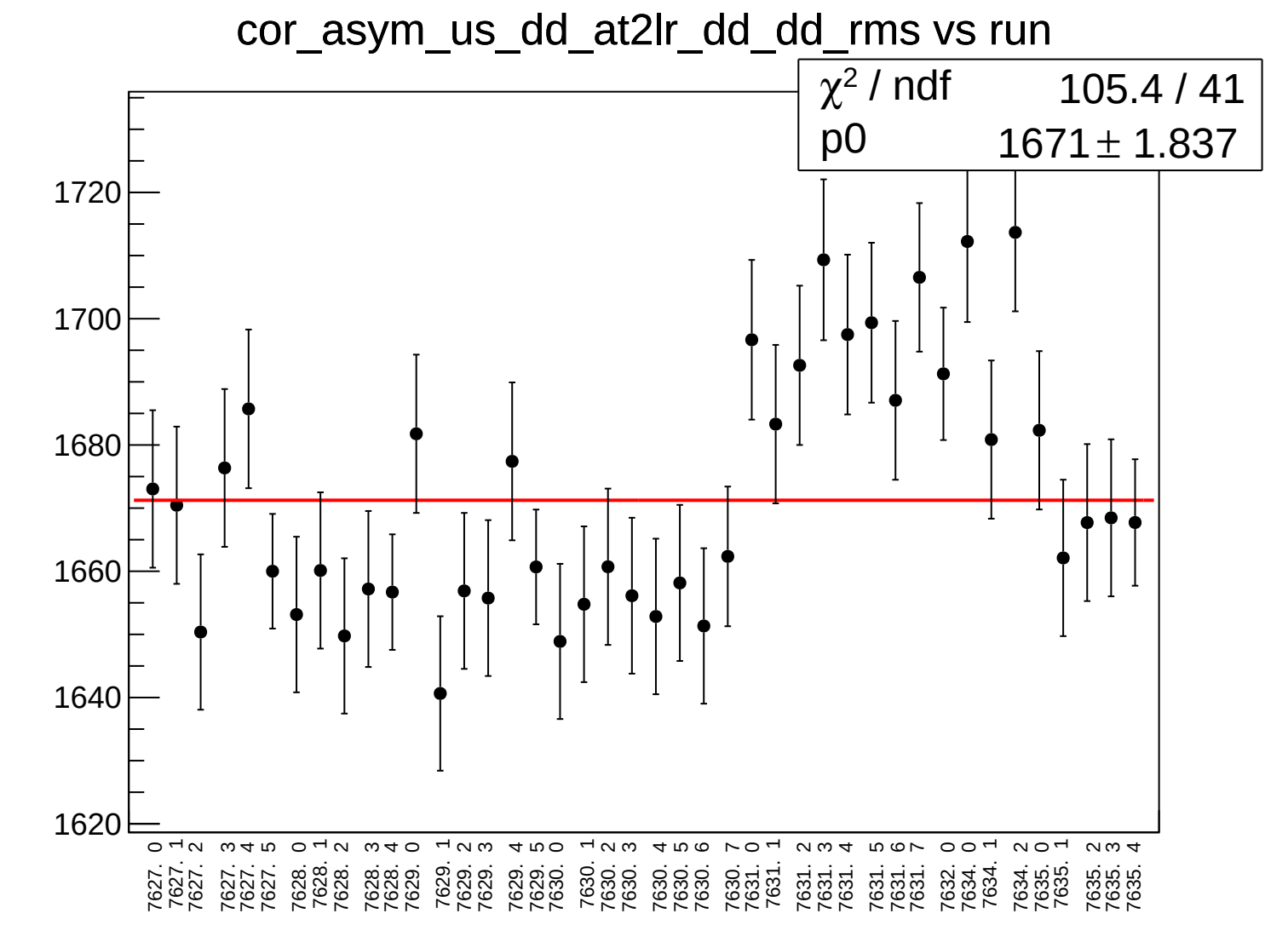
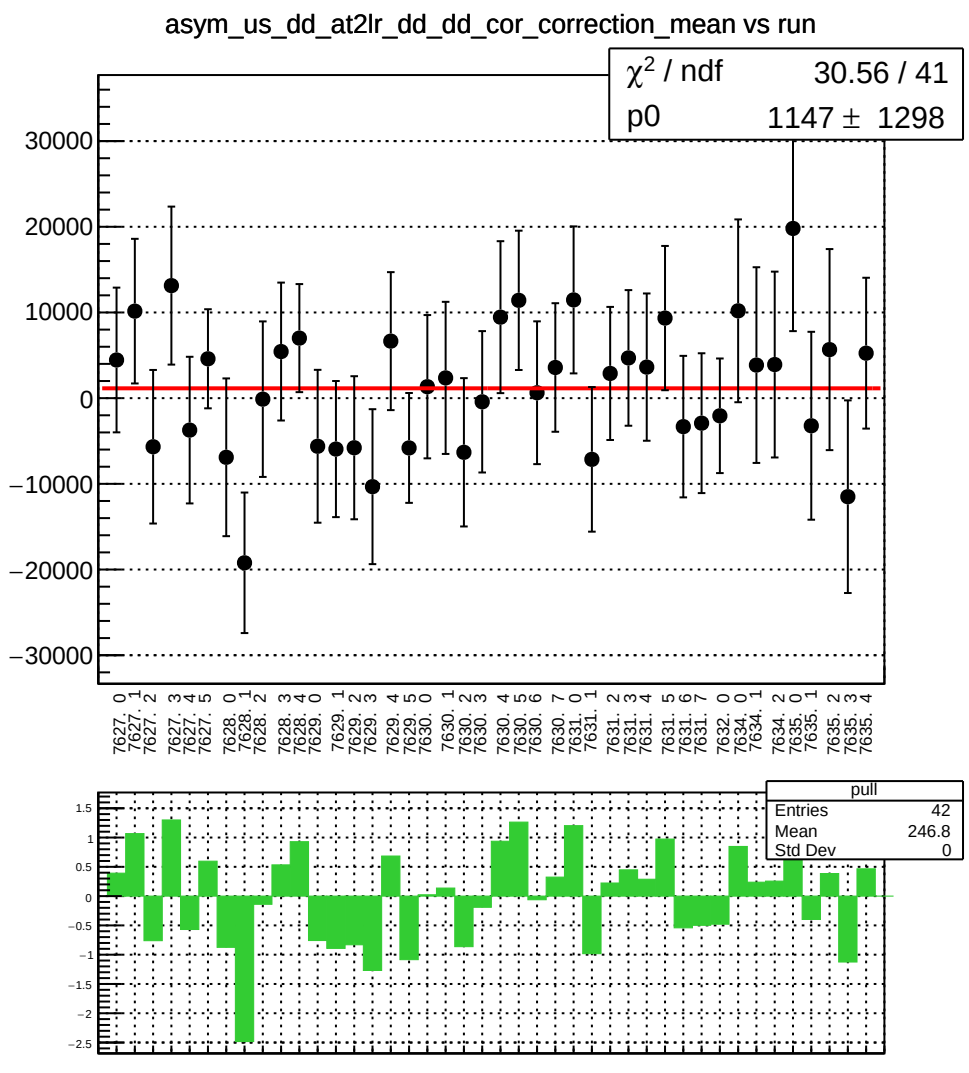
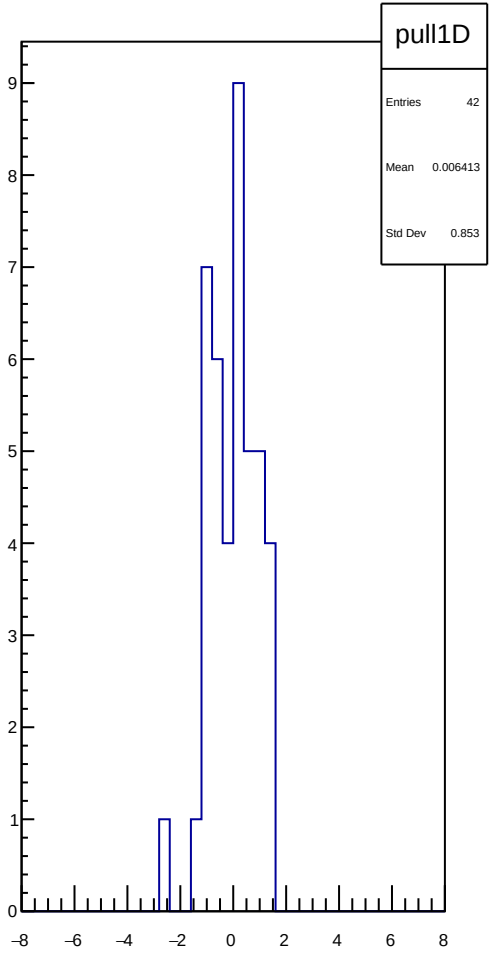
7635. 3
7635. 4

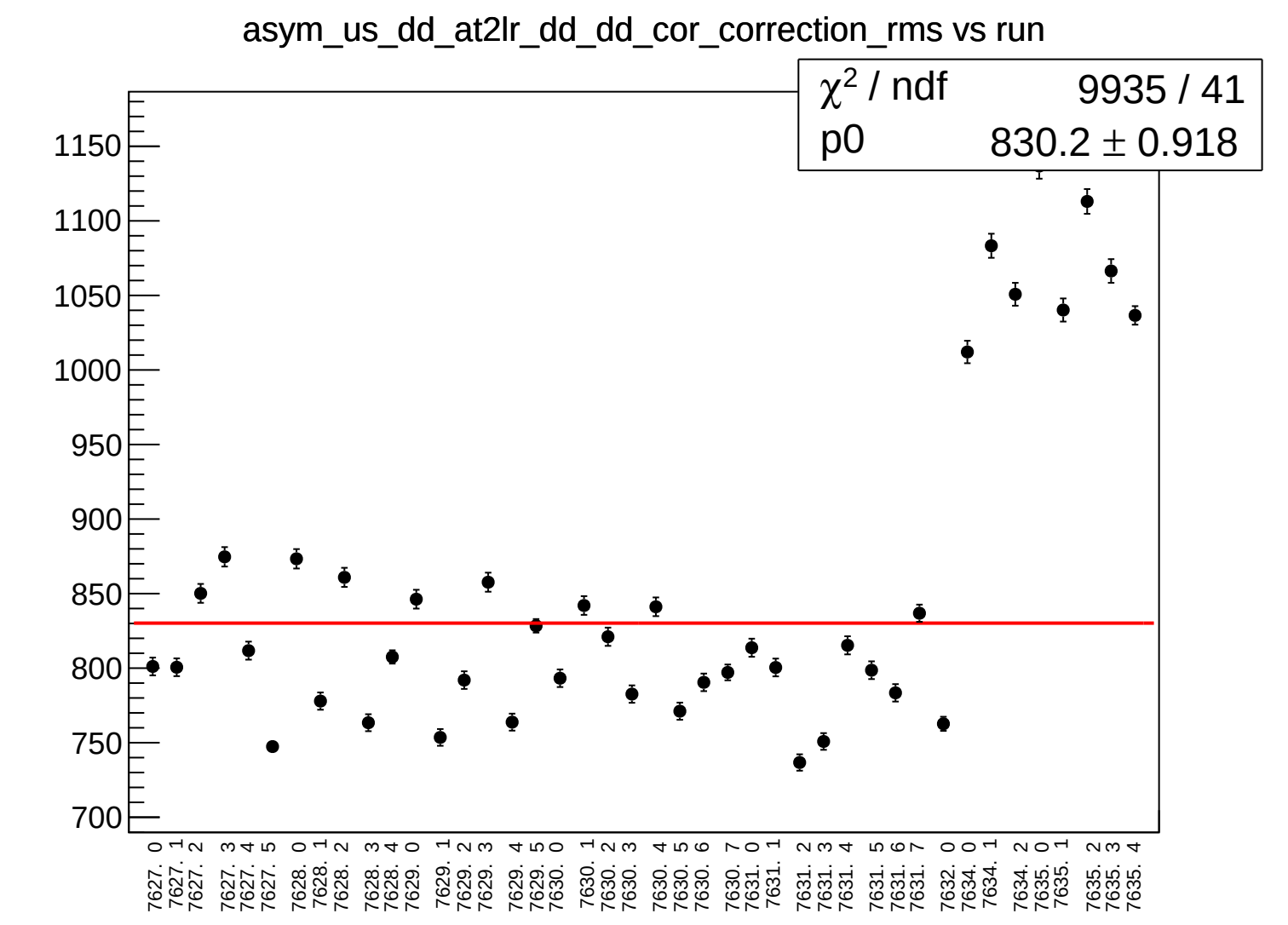

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 61.82 / 41
p0 3755 ± 2598
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 167.3
Std Dev 0
2
1
0
−1
−2
−3
−4

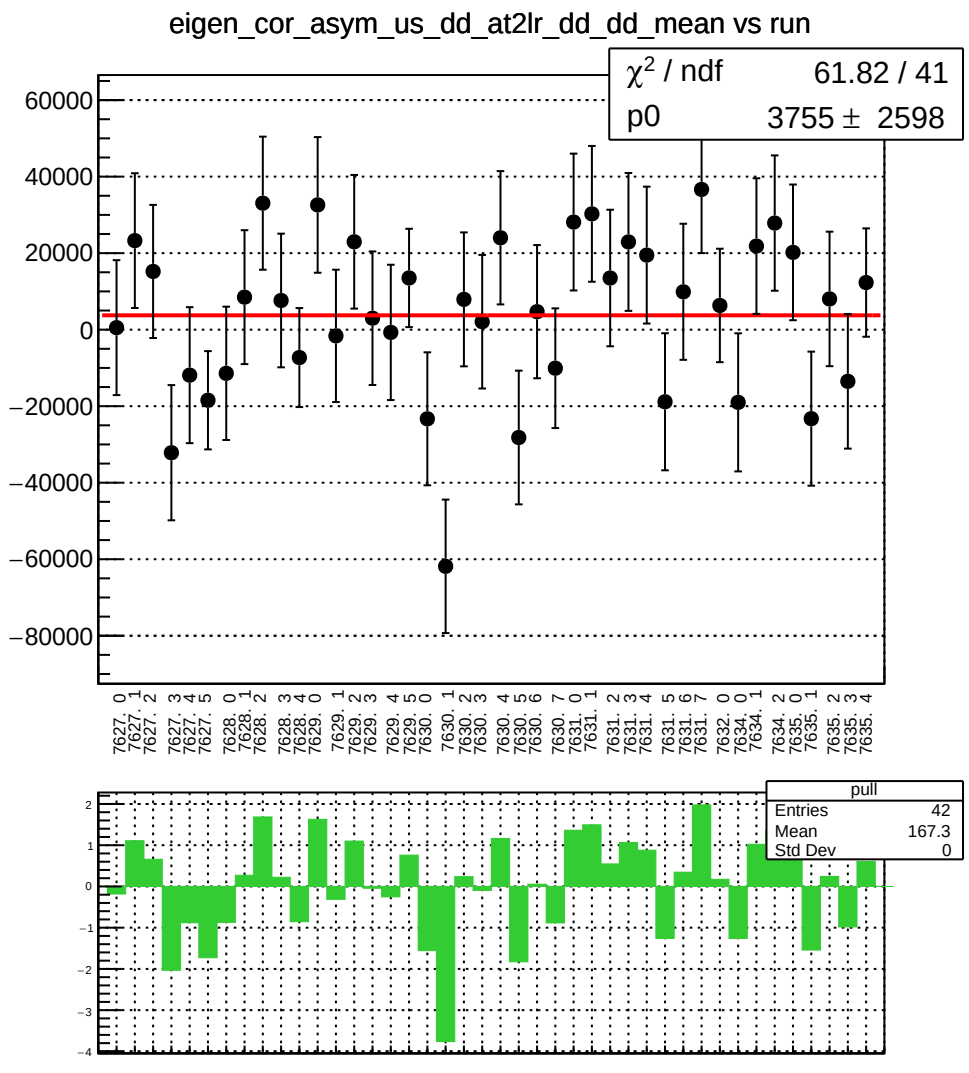

pull1D
Entries 42
Mean 0.01345
Std Dev 1.213
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

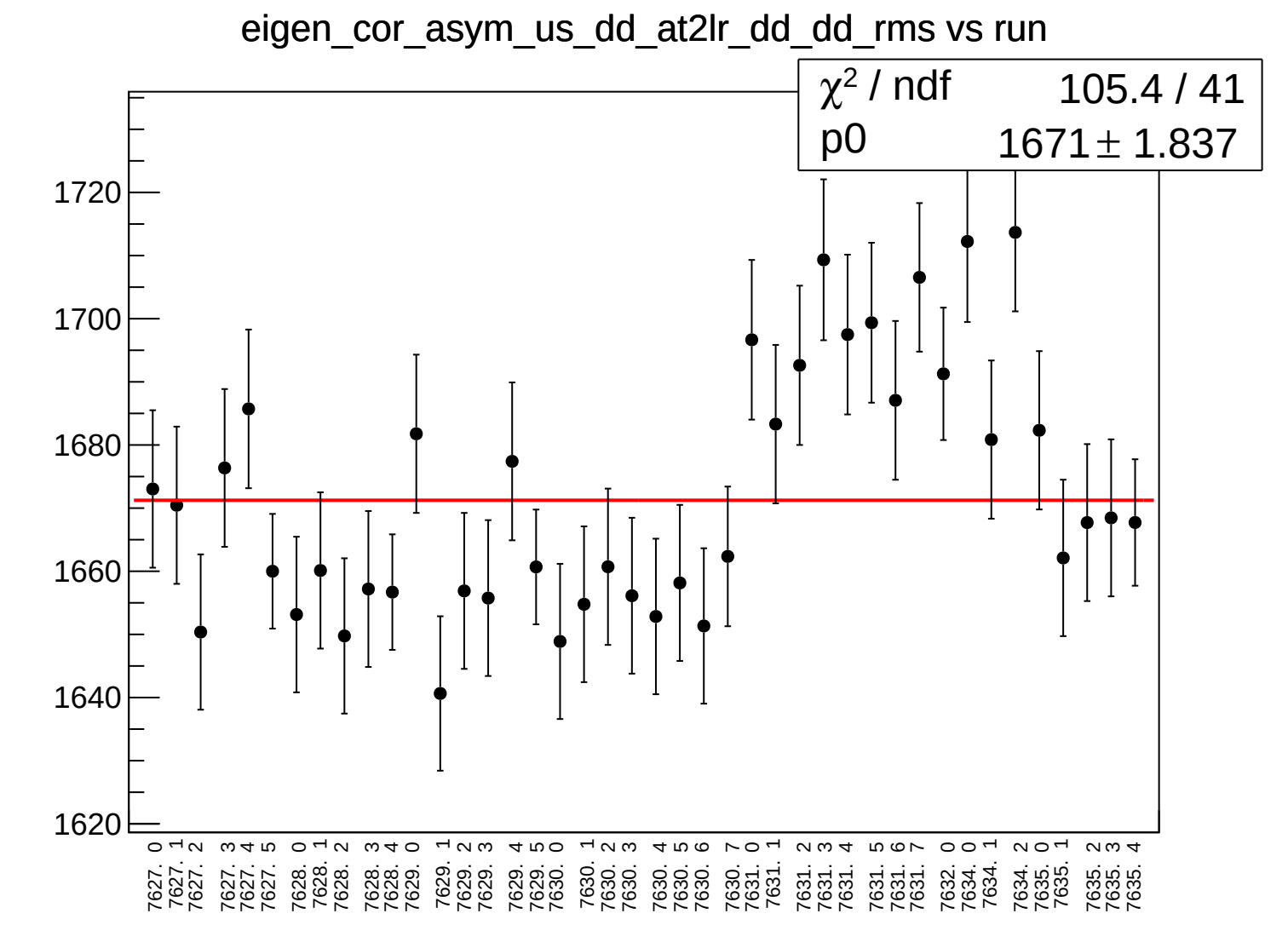

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 105.4 / 41
p0 1671 ± 1.837
1720
1700
1680
1660
1640
1620
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 30.56 / 41
p0 1147 ± 1298
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 246.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.006413
Std Dev 0.853
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 9935 / 41
p0 830.2 ± 0.918
1150
1100
1050
1000
950
900
850
800
750
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 61.82 / 41
p0 3755 ± 2598
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 167.3
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 42
Mean 0.01345
Std Dev 1.213
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 105.4 / 41
p0 1671 ± 1.837
1720
1700
1680
1660
1640
1620
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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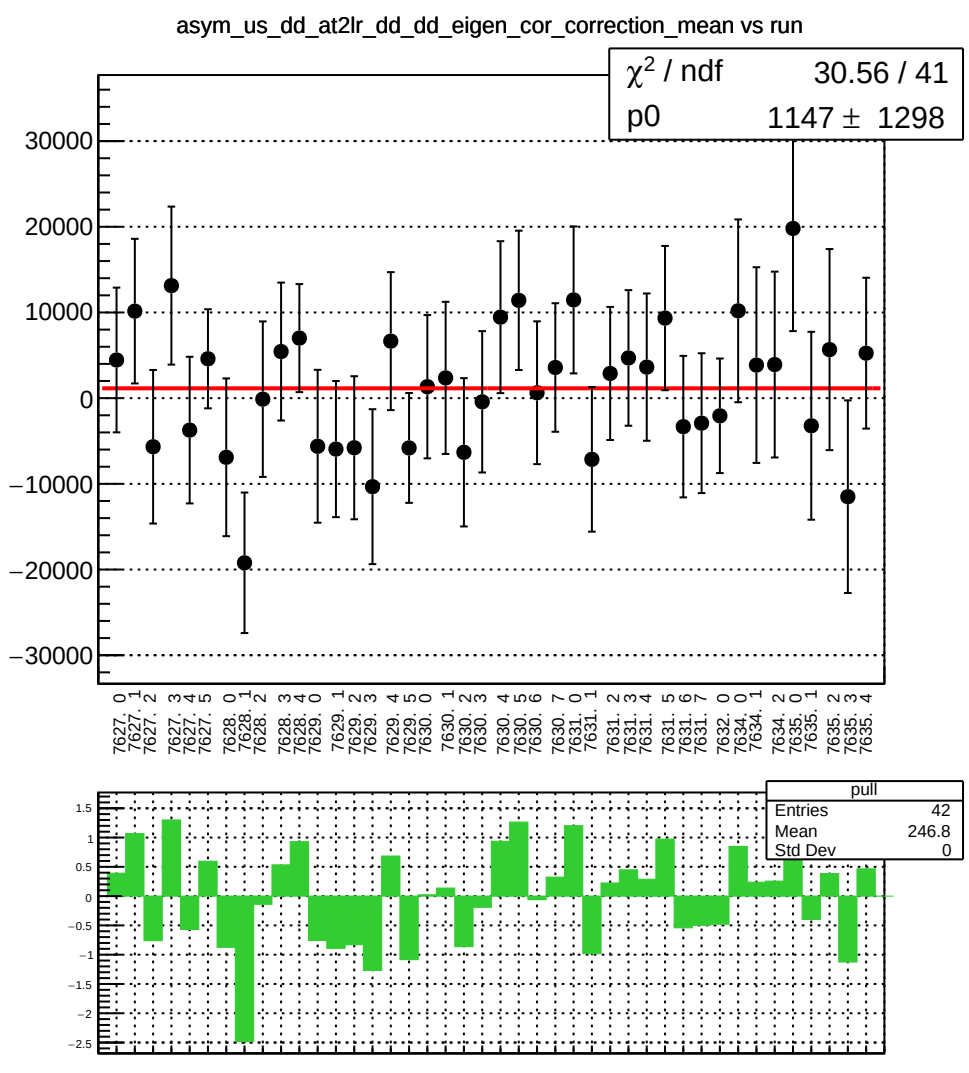
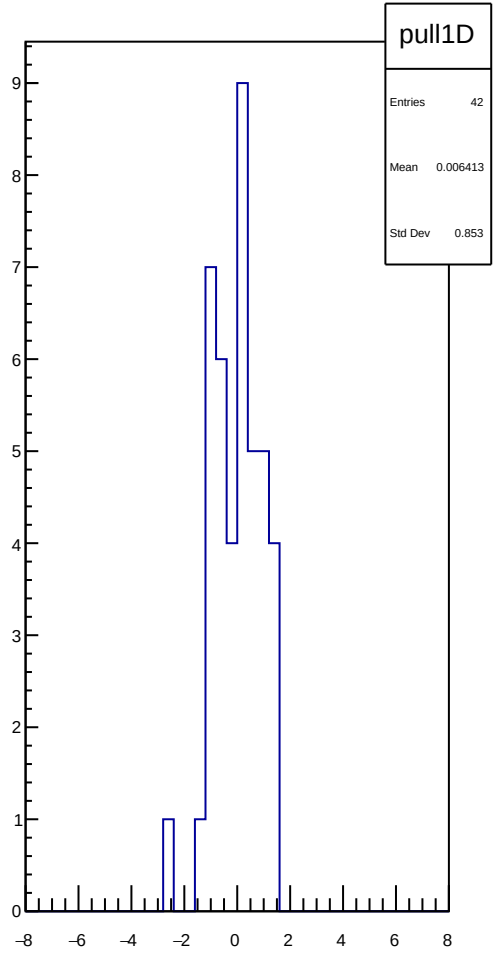
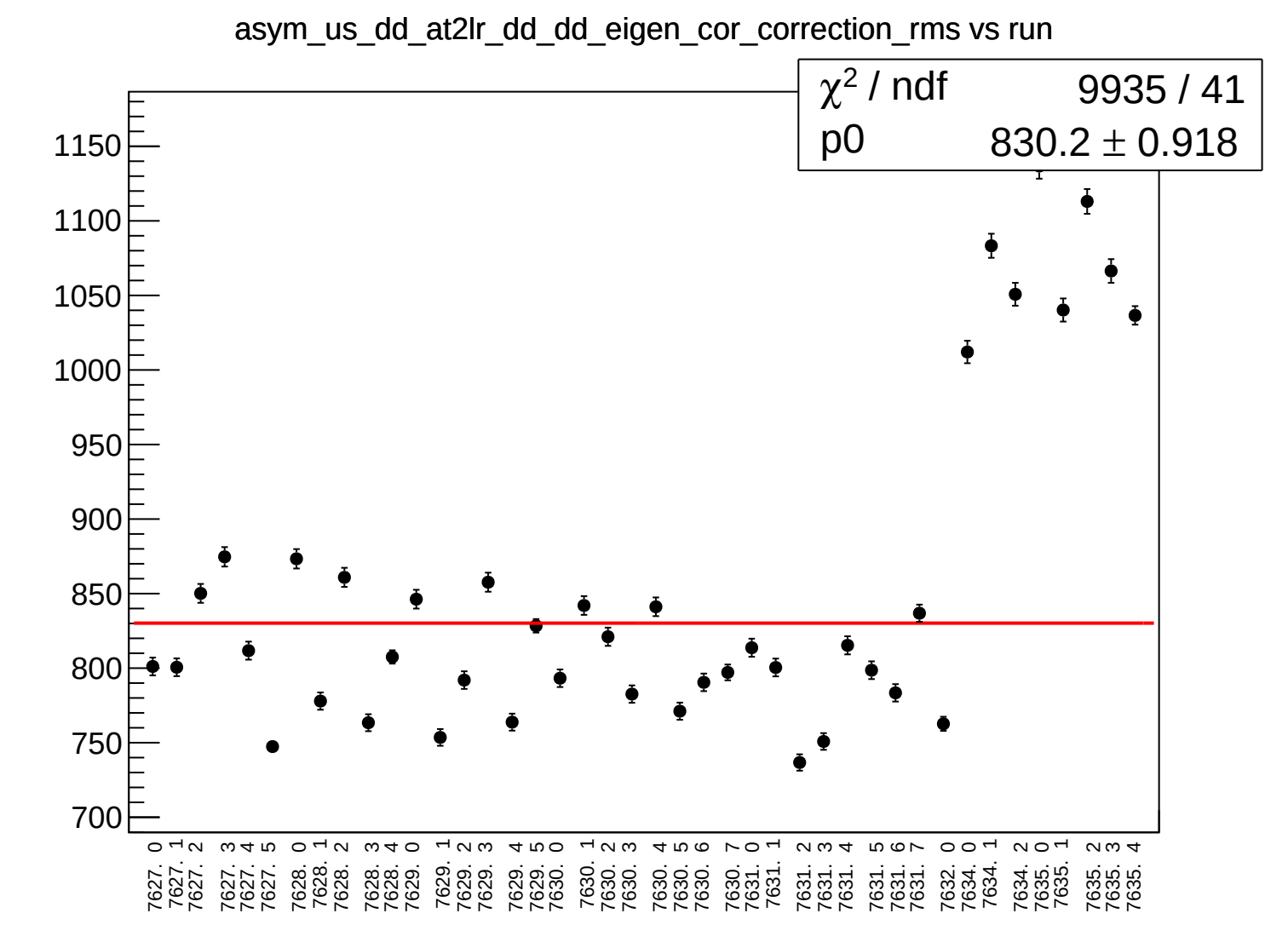
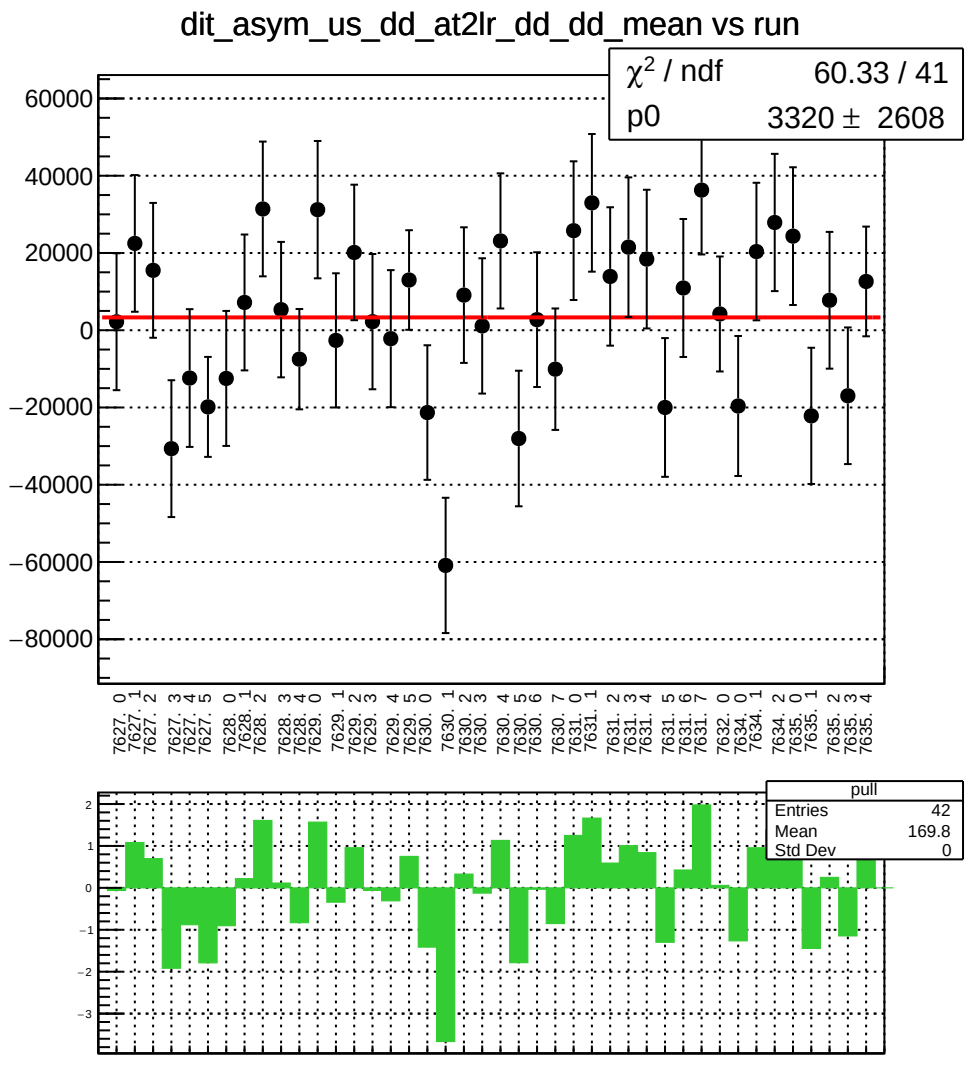
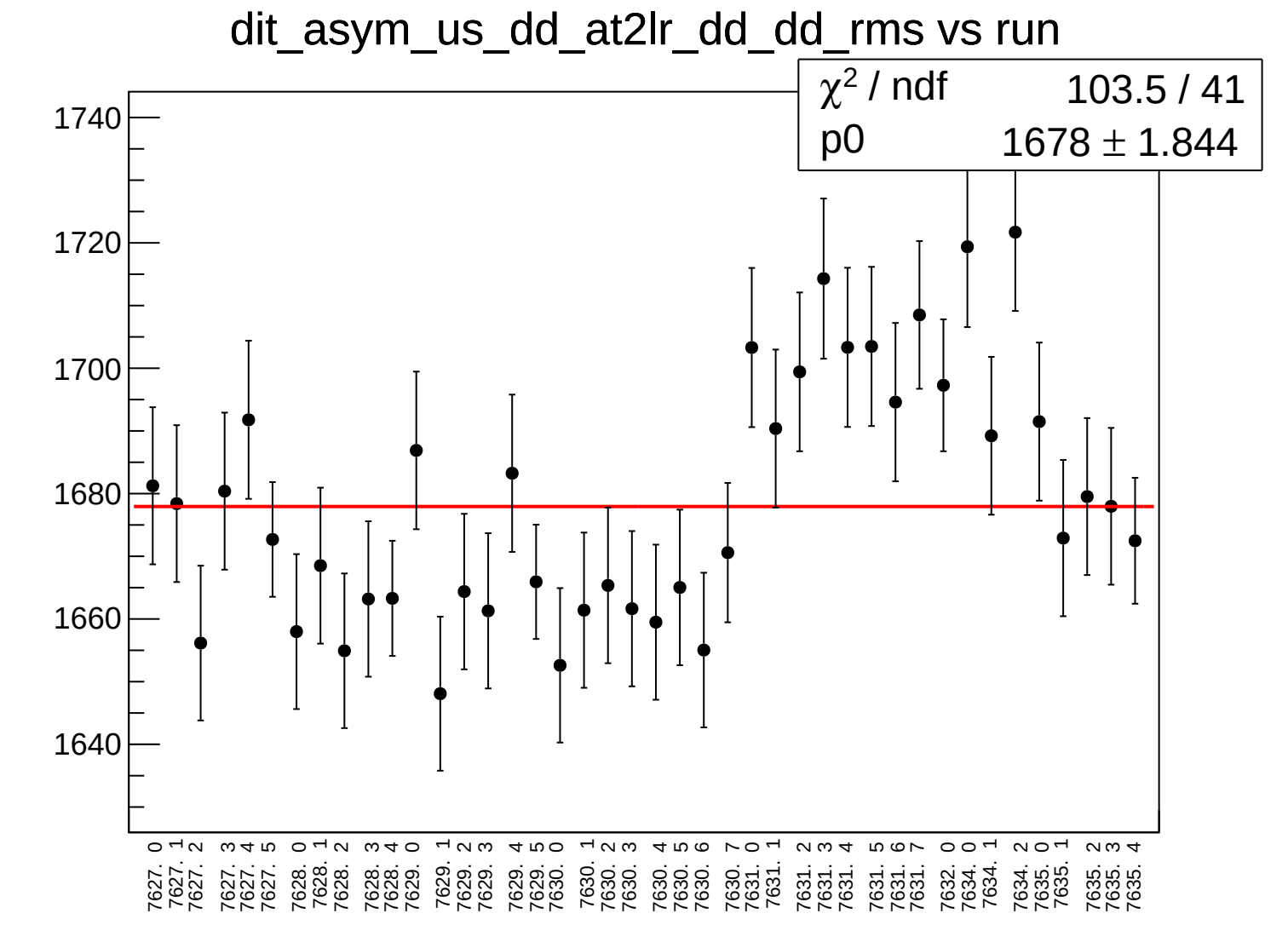
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.56 / 41
p0 1147 ± 1298
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 246.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.006413
Std Dev 0.853
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 9935 / 41
p0 830.2 ± 0.918
1150
1100
1050
1000
950
900
850
800
750
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.33 / 41
p0 3320 ± 2608
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 169.8
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.01371
Std Dev 1.198
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 103.5 / 41
p0 1678 ± 1.844
1740
1720
1700
1680
1660
1640
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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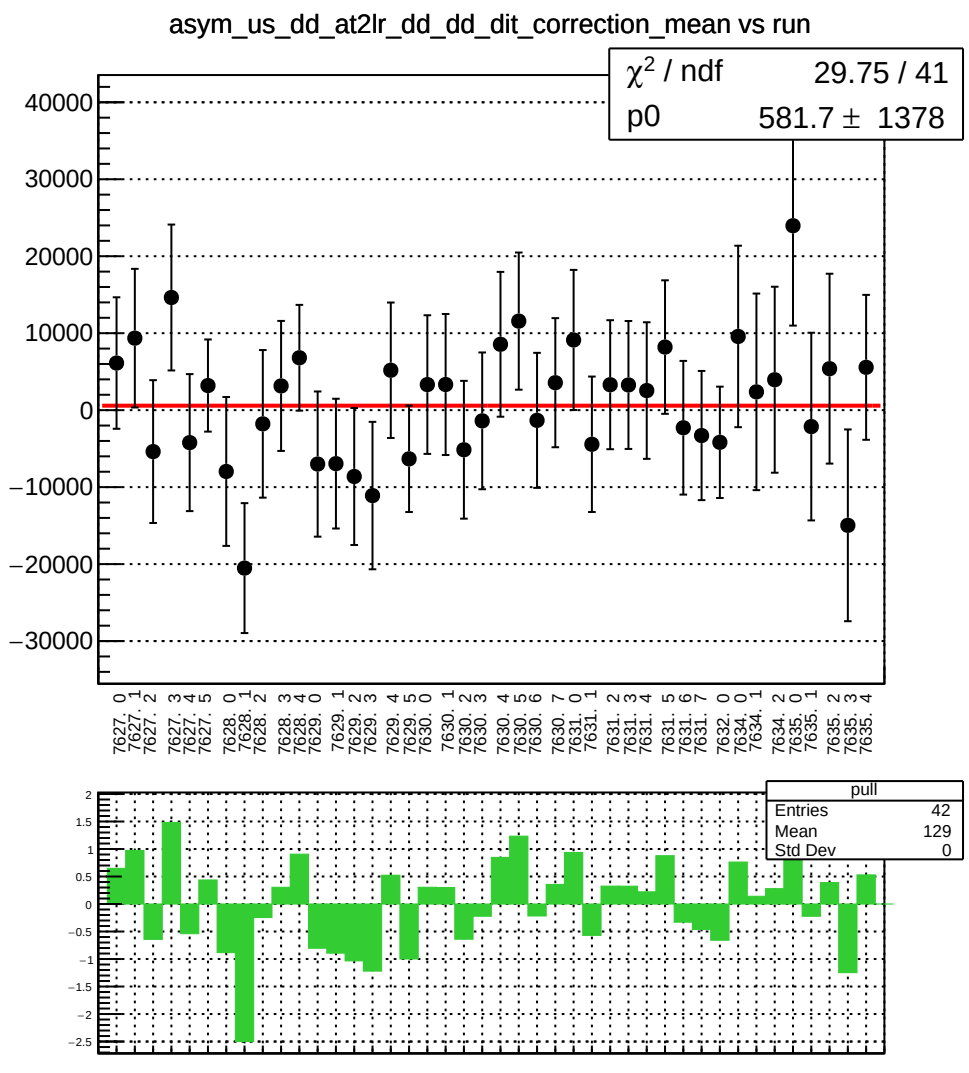
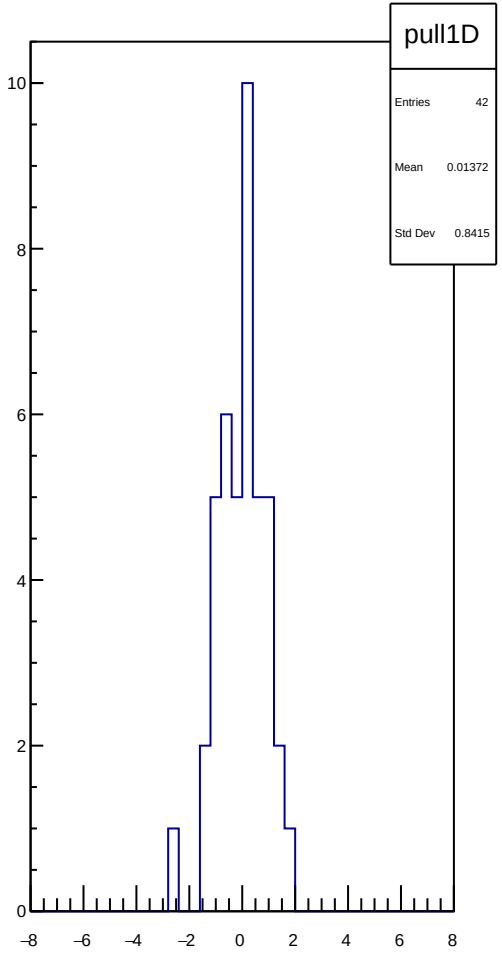
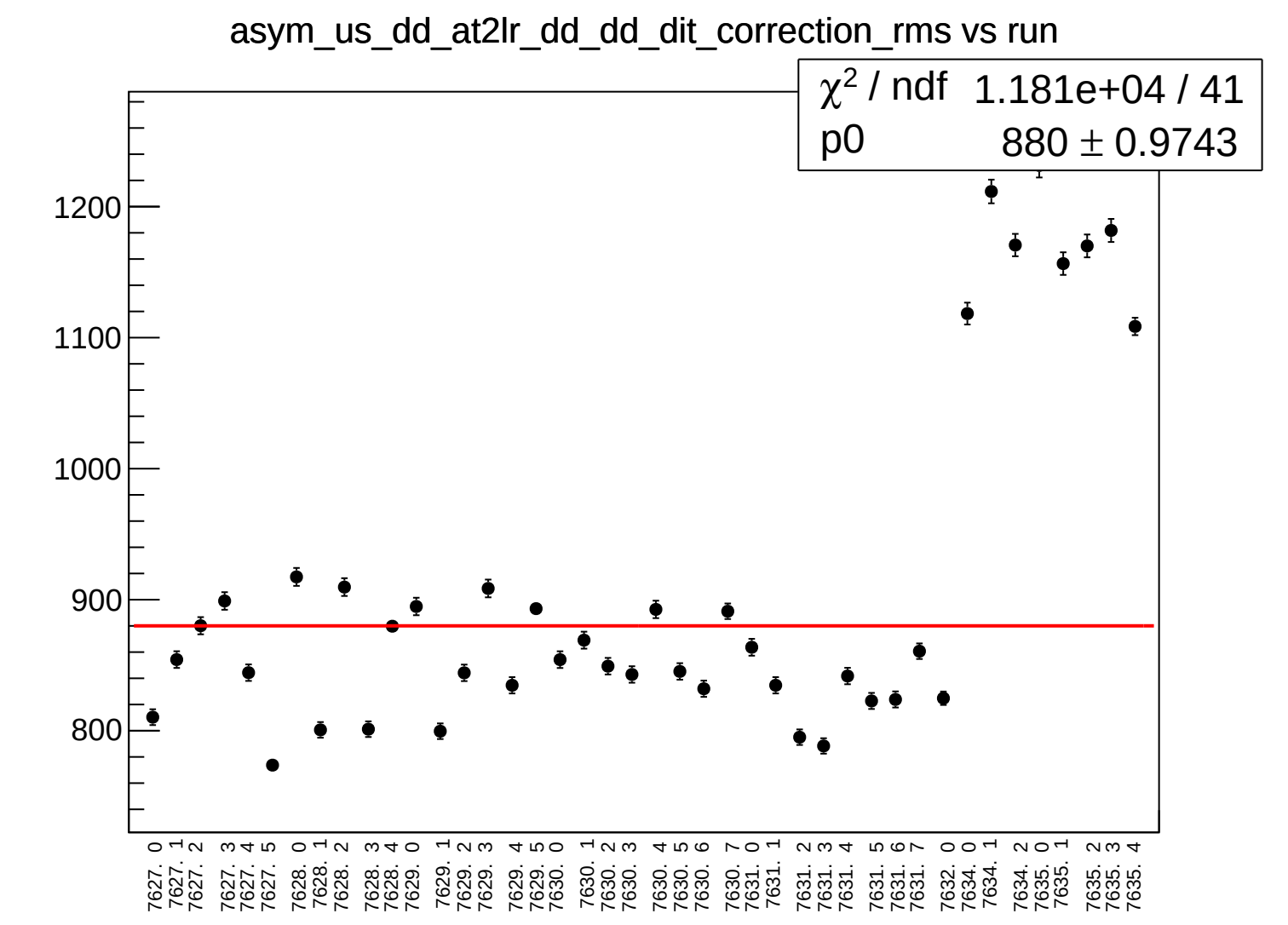
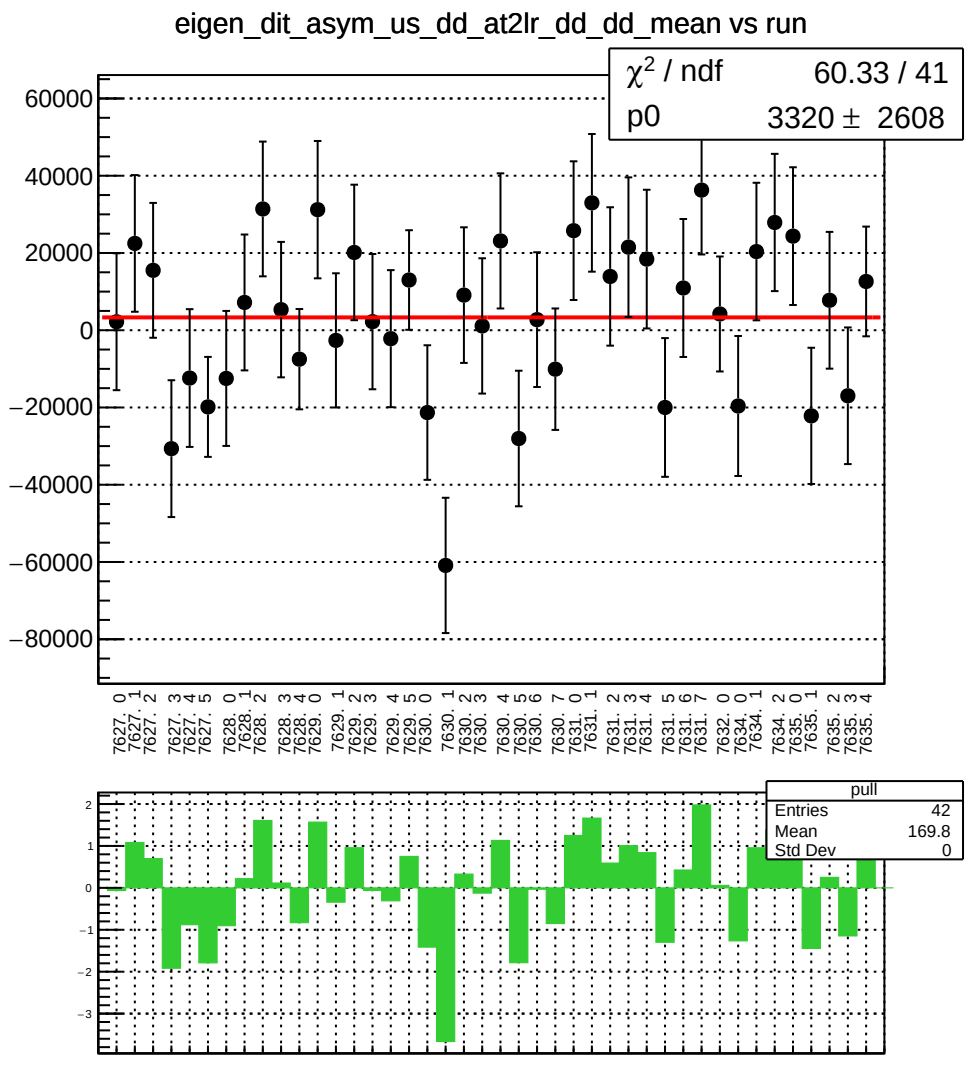
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 29.75 / 41
p0 581.7 ± 1378
40000
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 129
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.01372
Std Dev 0.8415
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.181e+04 / 41
p0 880 ± 0.9743
1200
1100
1000
900
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.33 / 41
p0 3320 ± 2608
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
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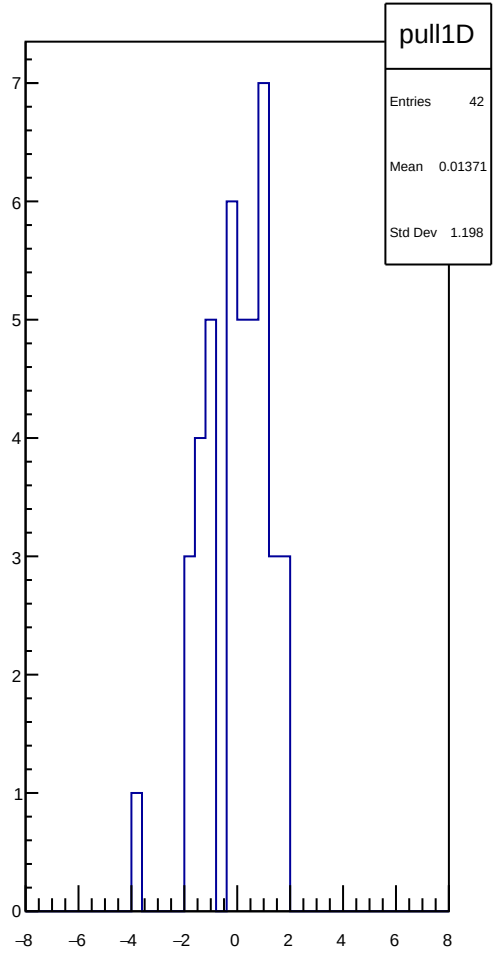
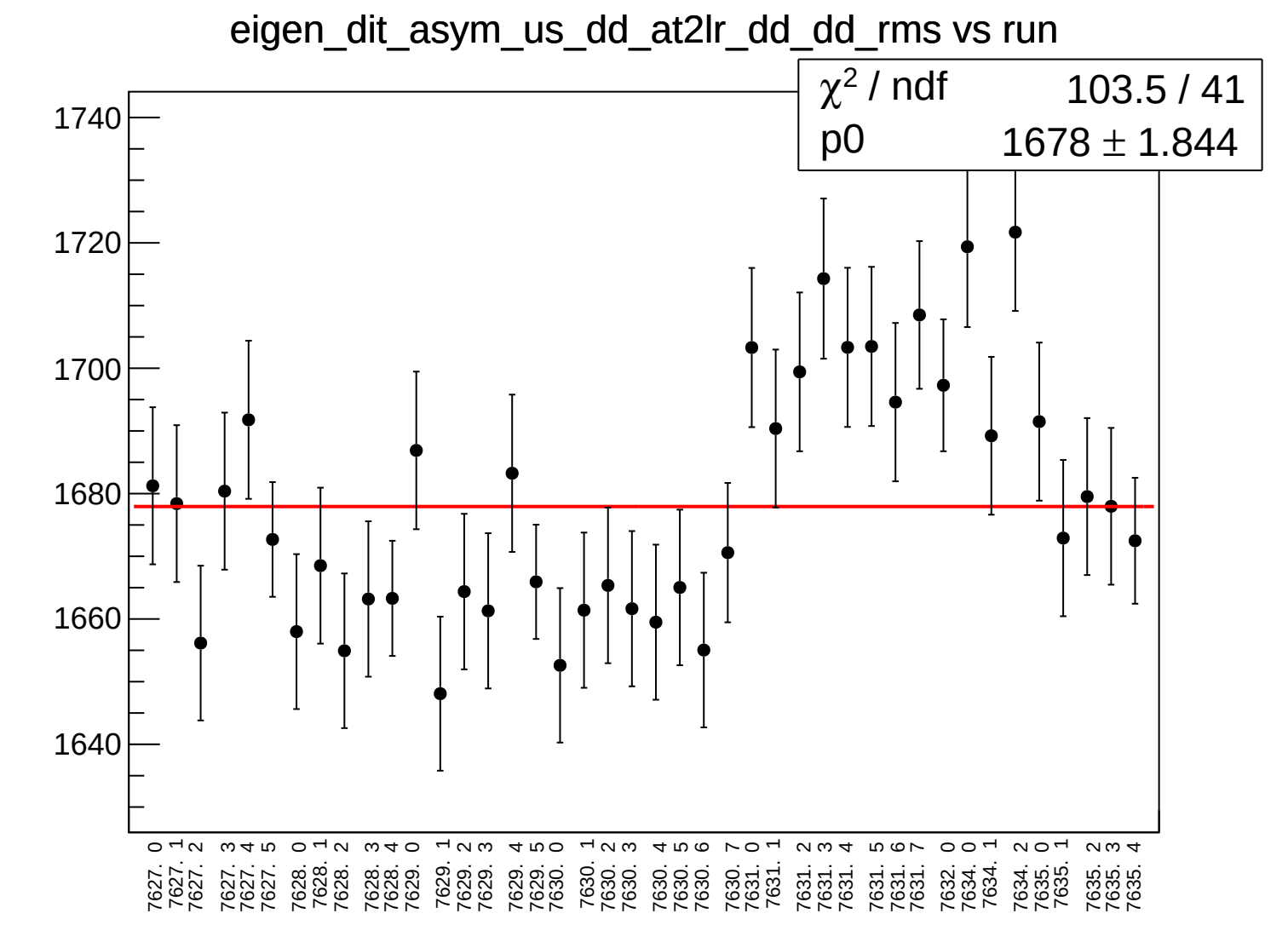
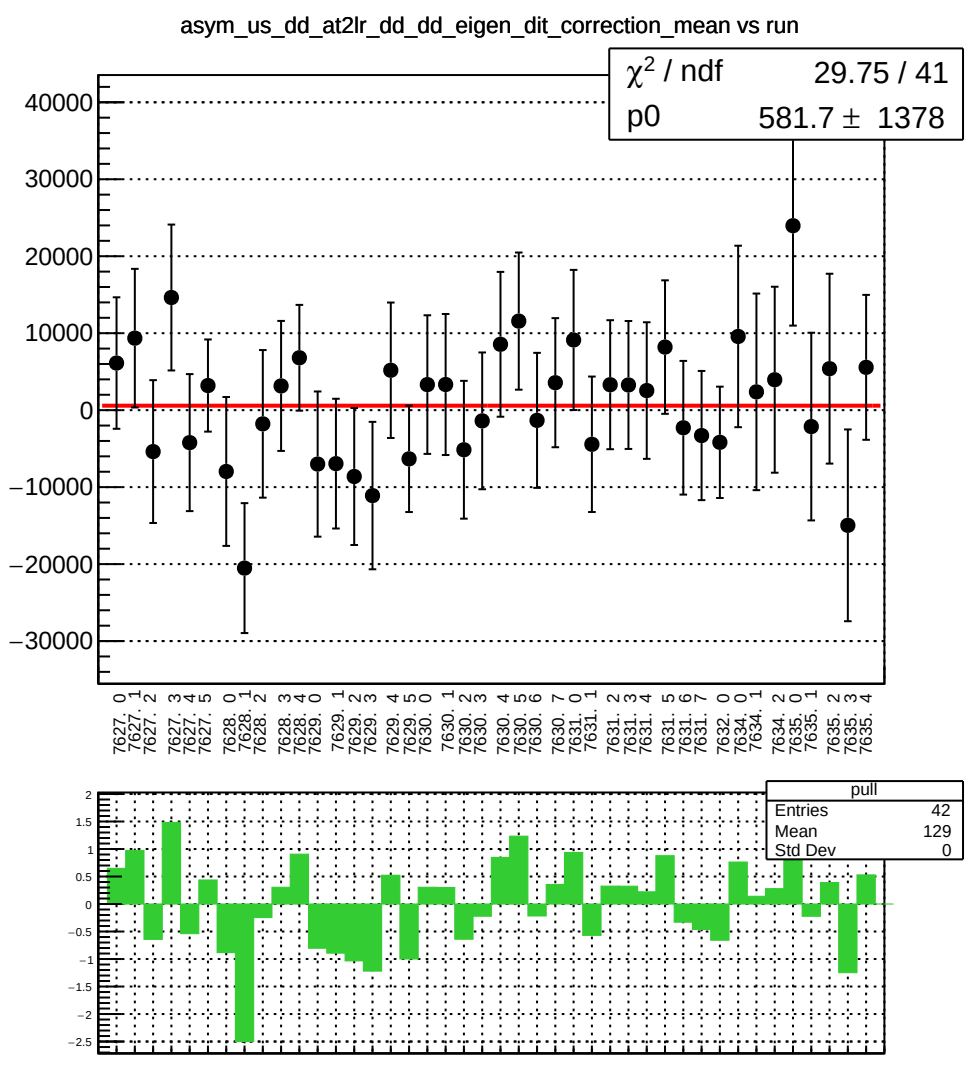
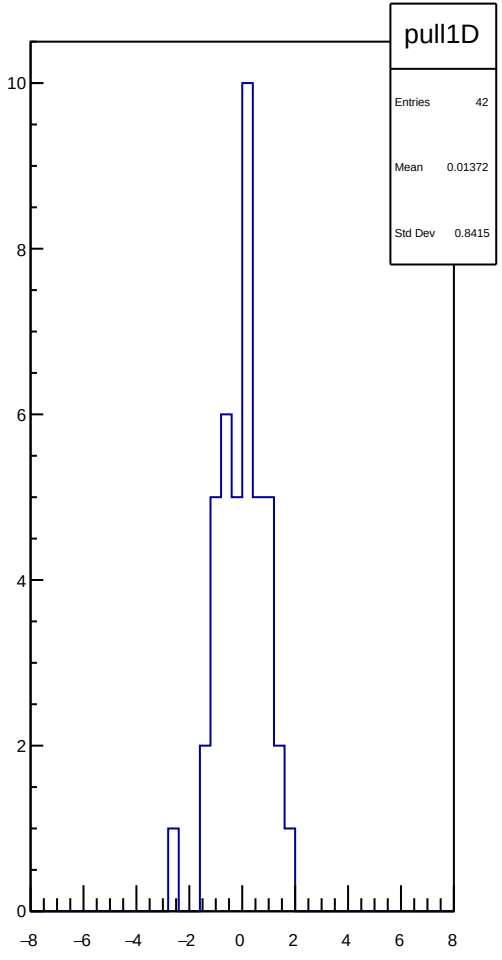
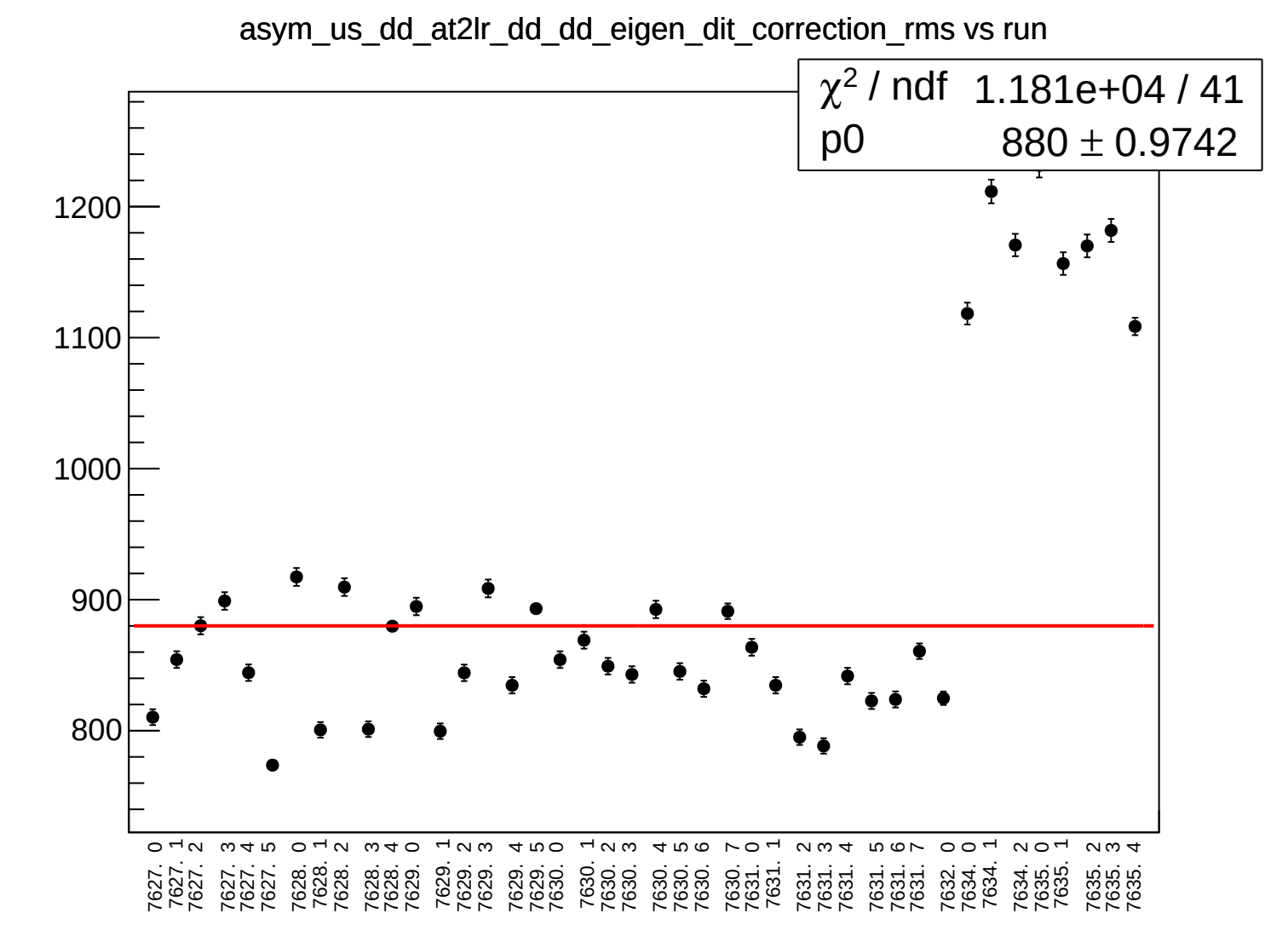
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 169.8
Std Dev 0
2
1
0
−1
−2
−3

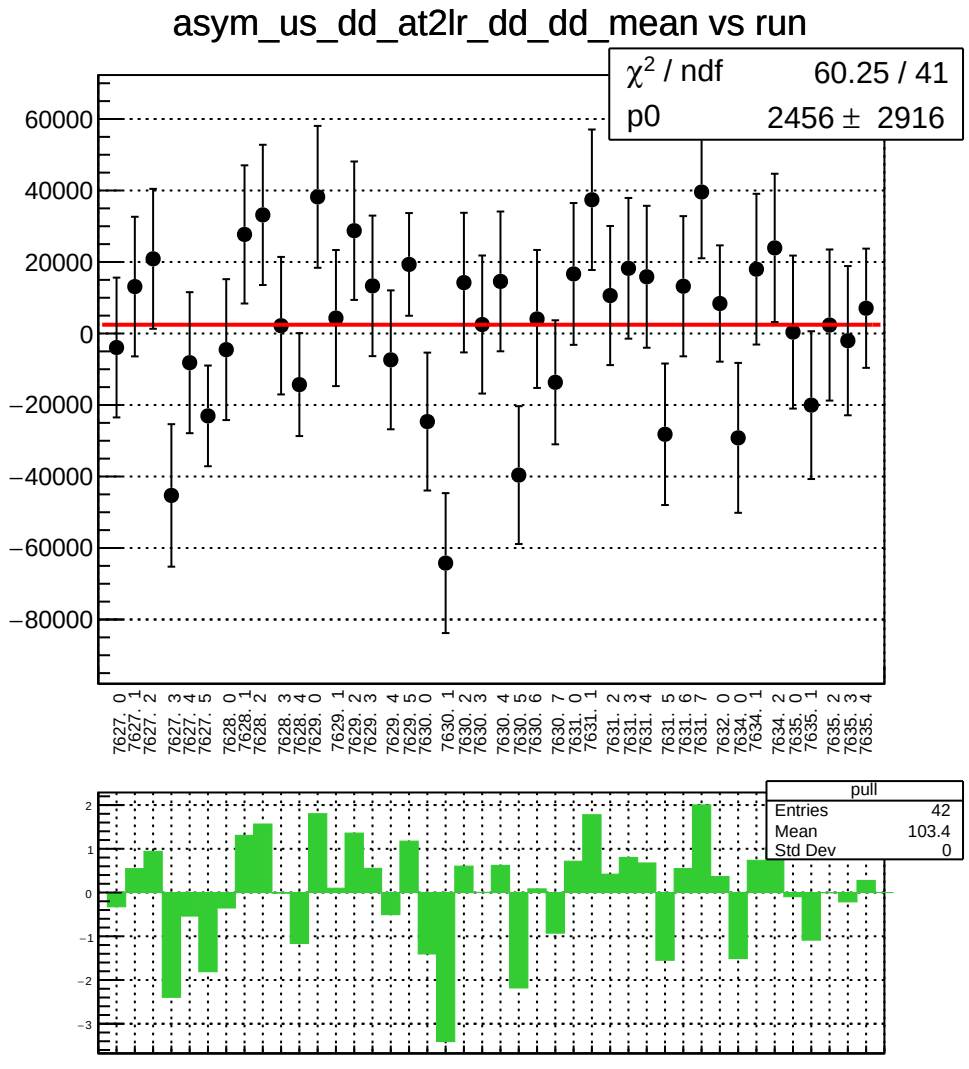

pull1D
Entries 42
Mean 0.01371
Std Dev 1.198
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

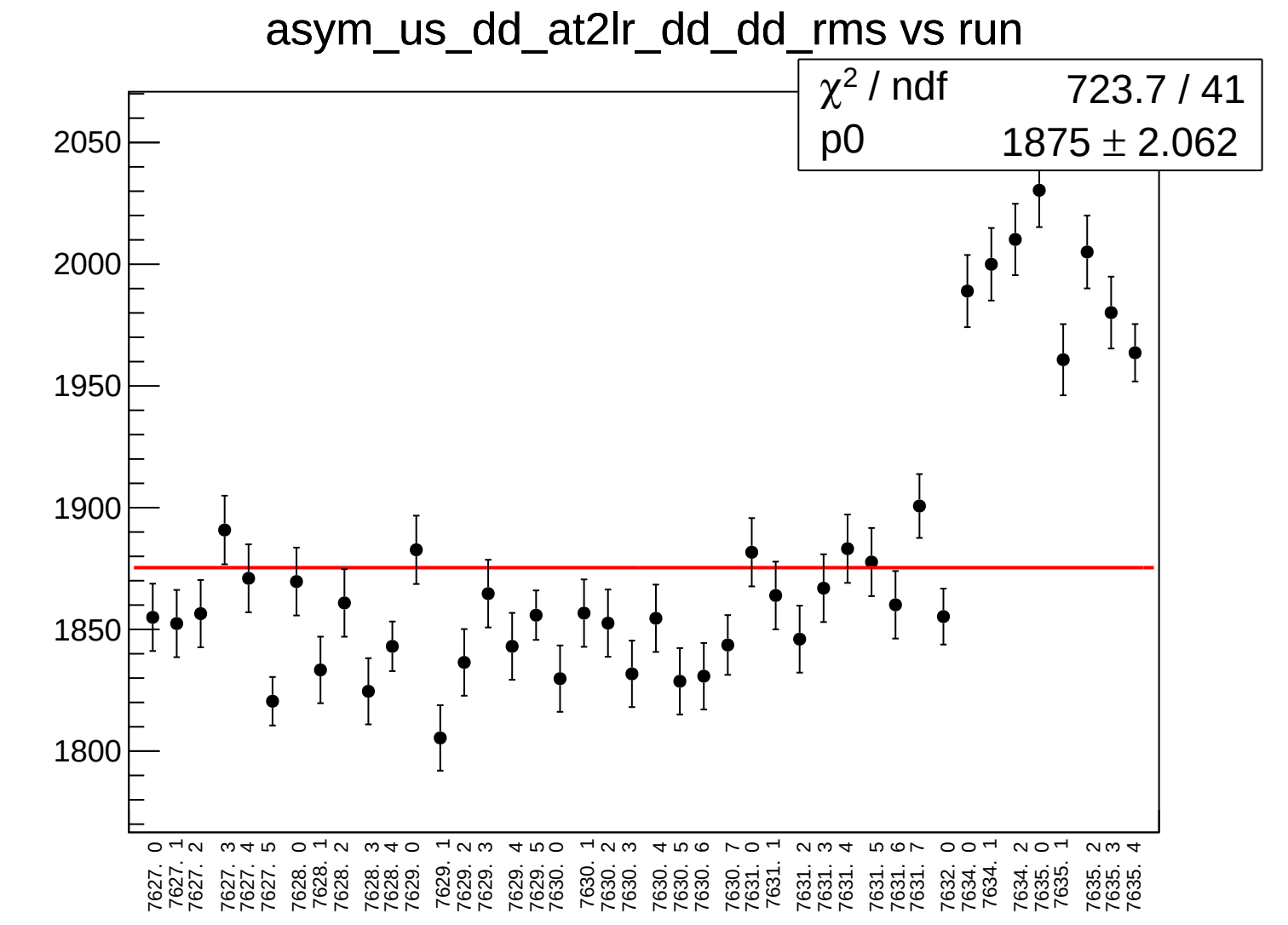

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 103.5 / 41
p0 1678 ± 1.844
1740
1720
1700
1680
1660
1640
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

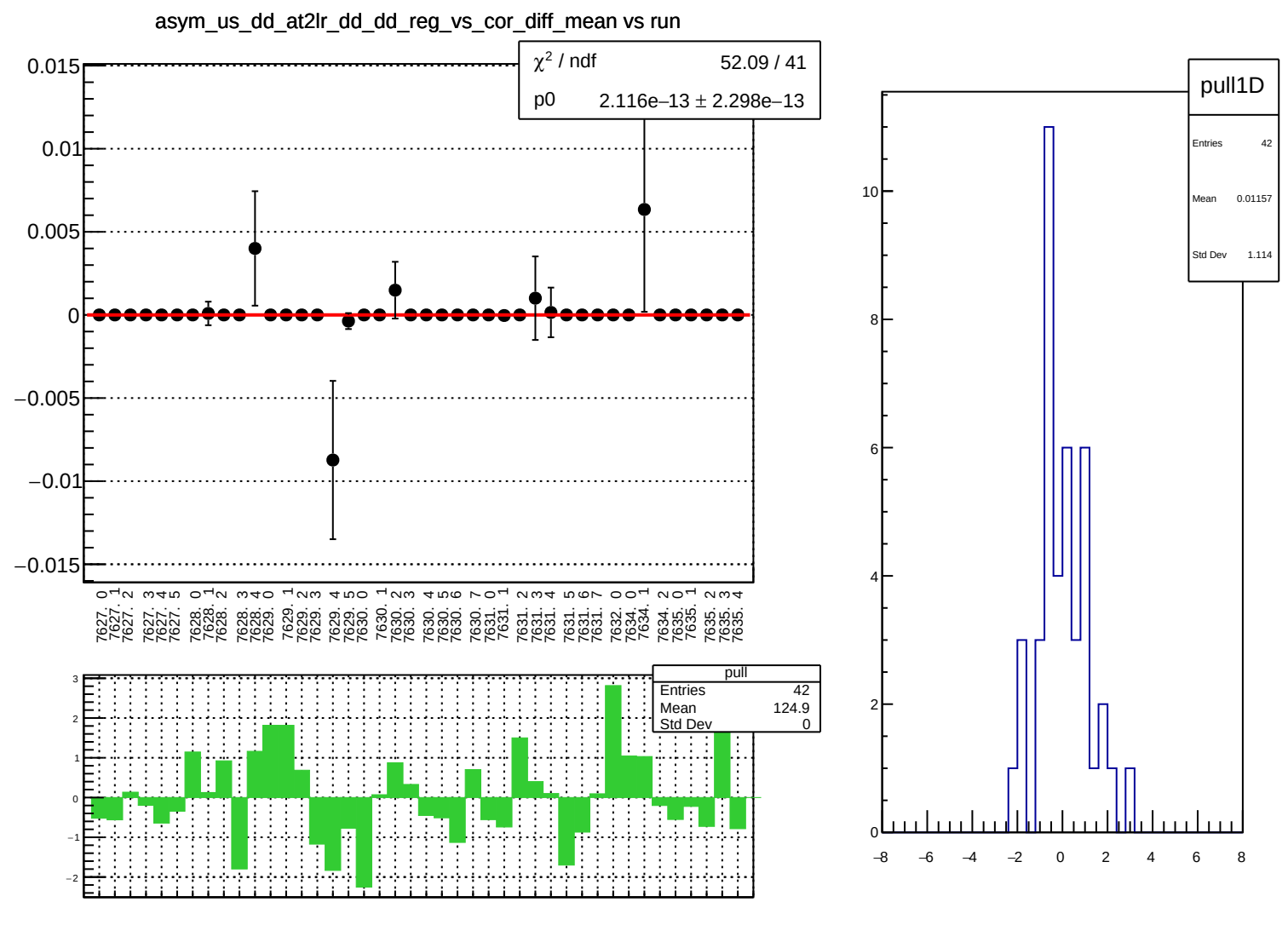

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.75 / 41
p0 581.7 ± 1378
40000
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 129
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

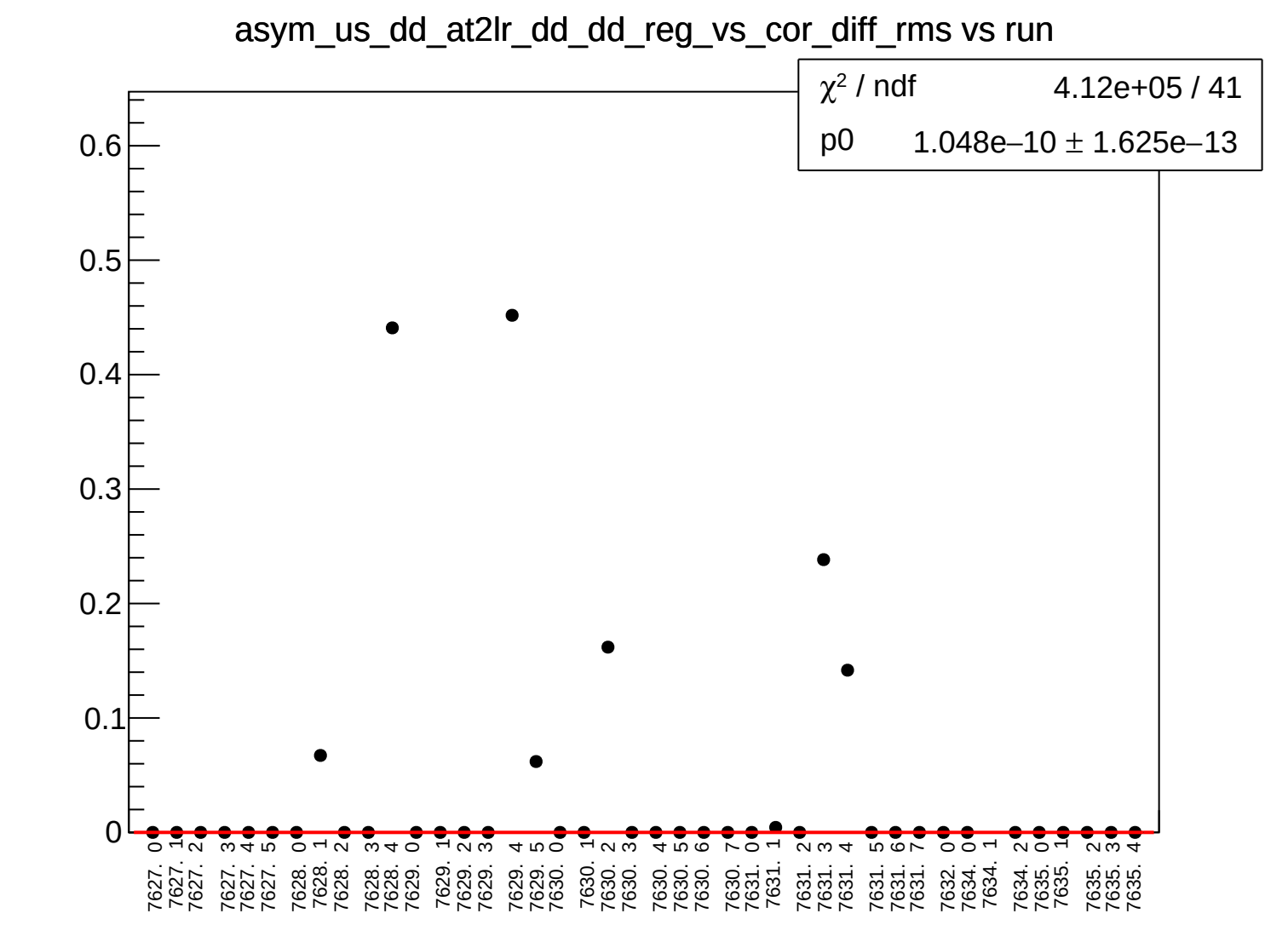

pull1D
Entries 42
Mean 0.01372
Std Dev 0.8415
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

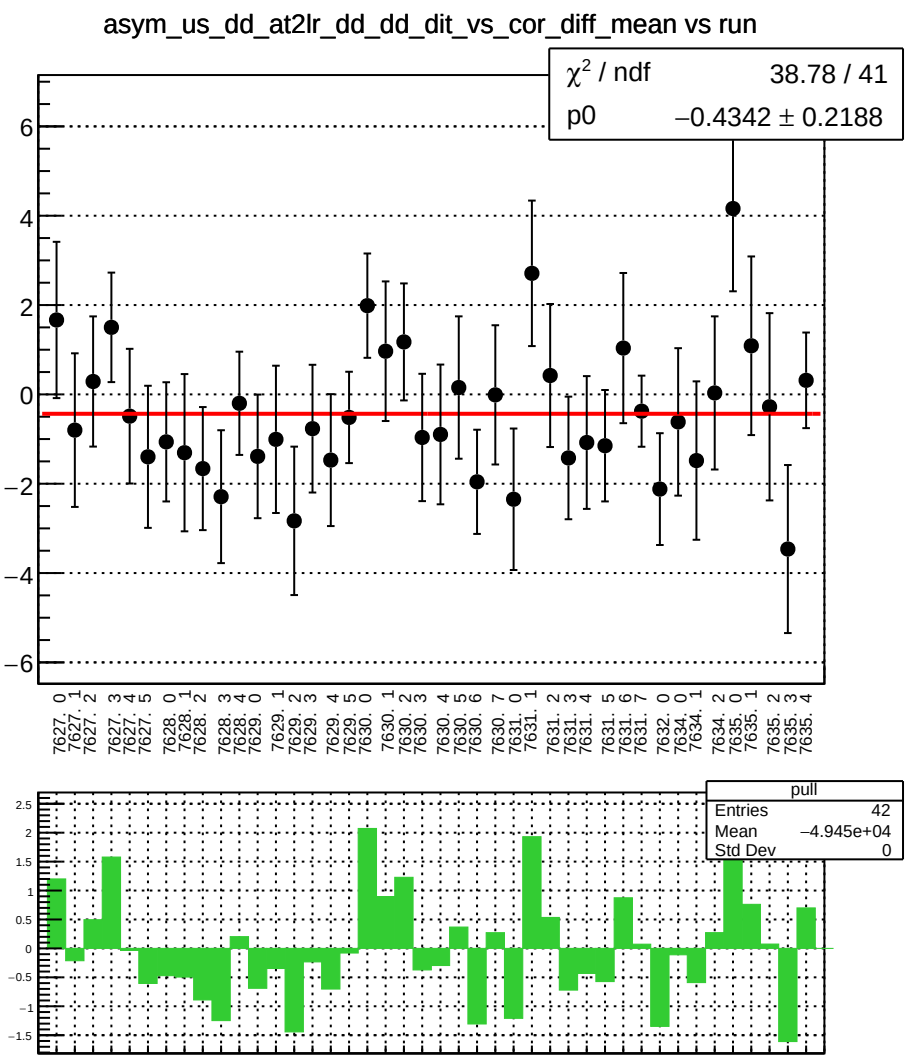

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.181e+04 / 41
p0 880 ± 0.9742
1200
1100
1000
900
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

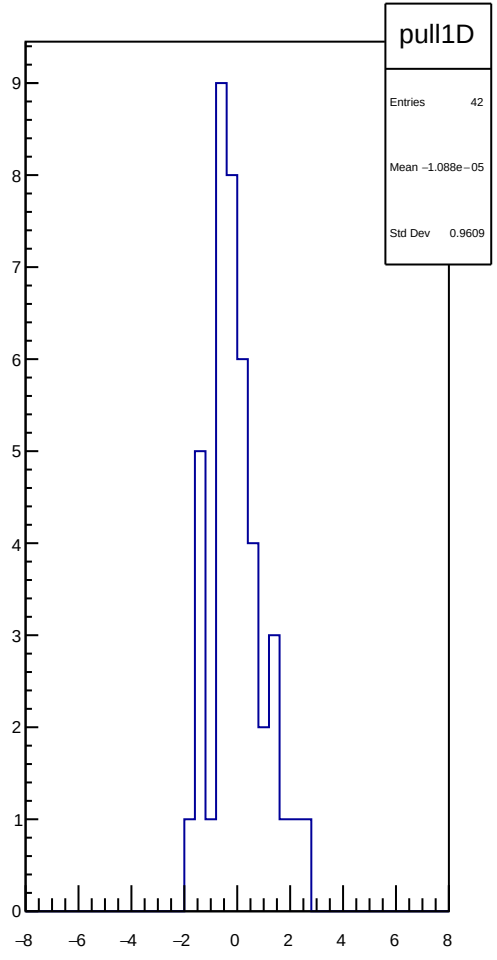

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.25 / 41
p0 2456 ± 2916
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 103.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.01252
Std Dev 1.198
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

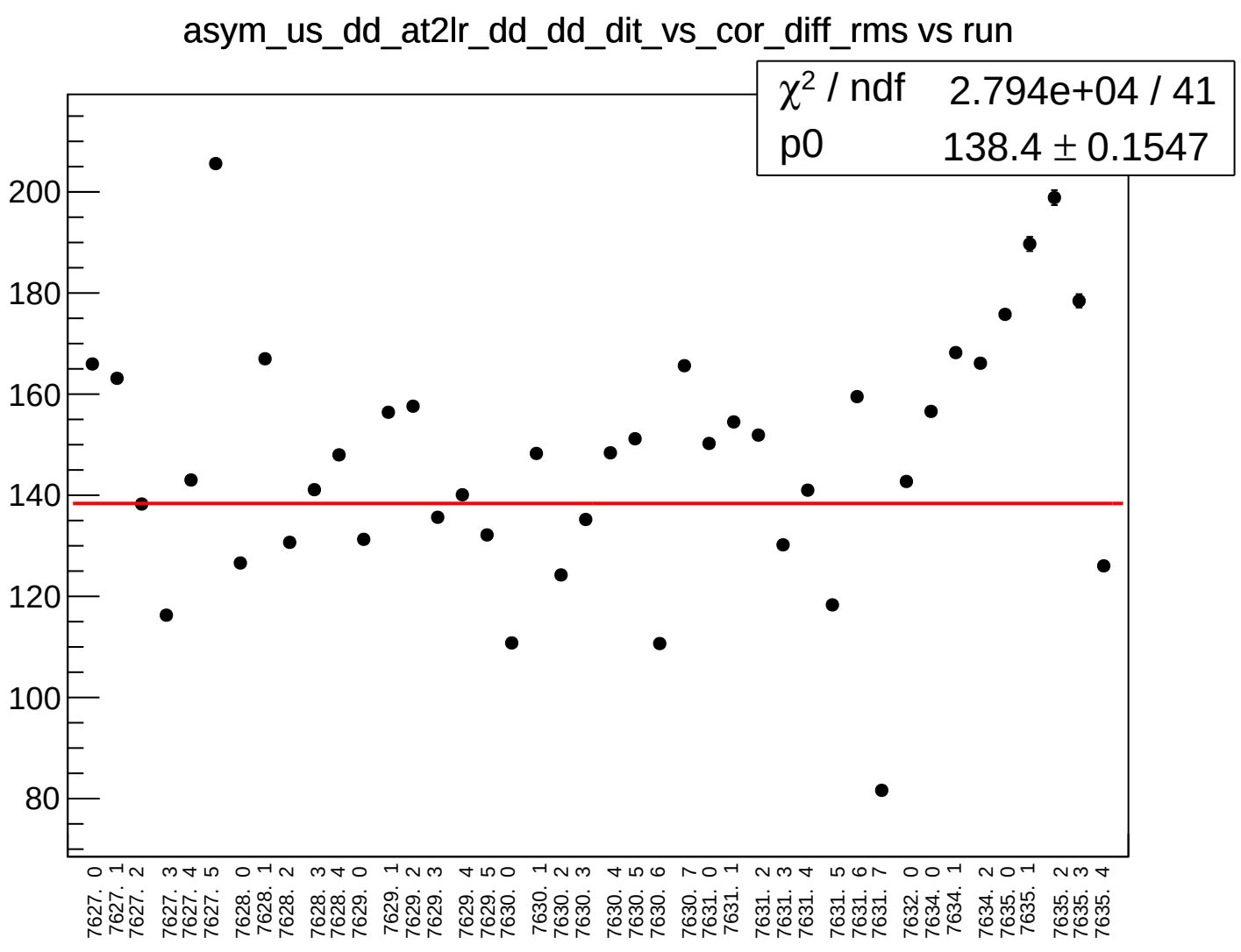

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 723.7 / 41
p0 1875 ± 2.062
2050
2000
1950
1900
1850
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

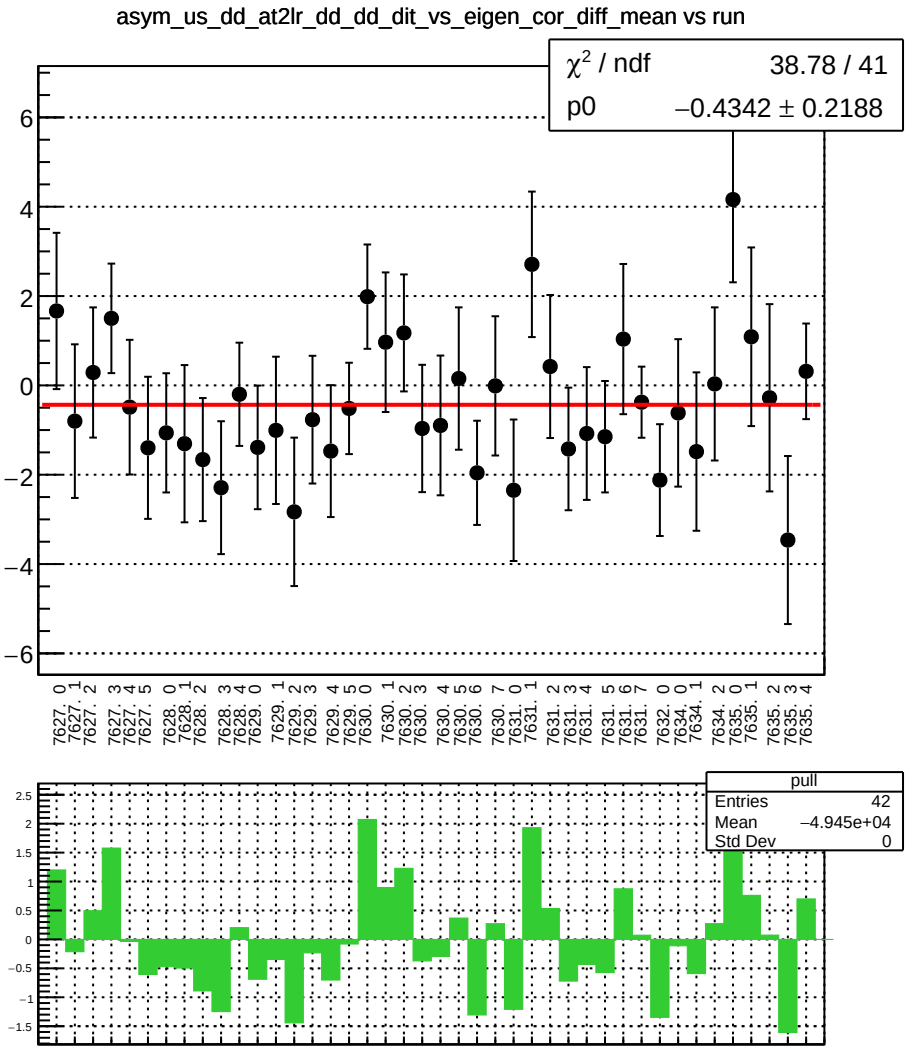

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.09 / 41
p0 2.116e−13 ± 2.298e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 124.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.01157
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

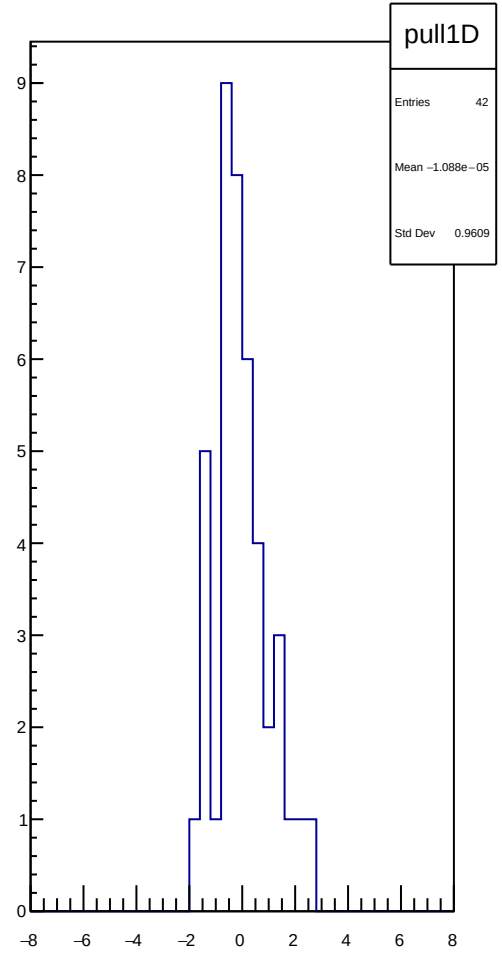

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.12e+05 / 41
p0 1.048e−10 ± 1.625e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

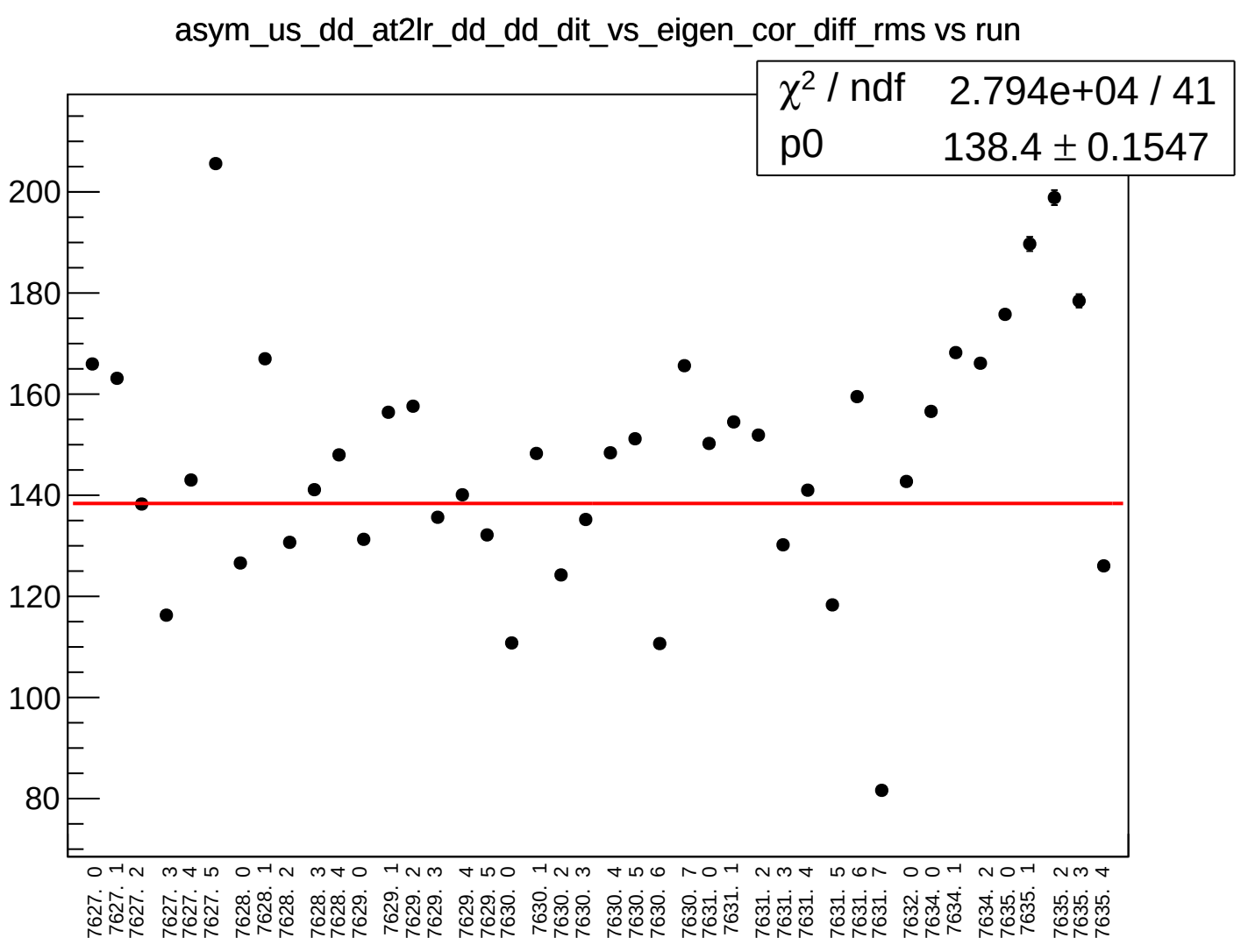

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.78 / 41
p0 −0.4342 ± 0.2188
pull
Entries 42
Mean −4.945e+04
Std Dev 0

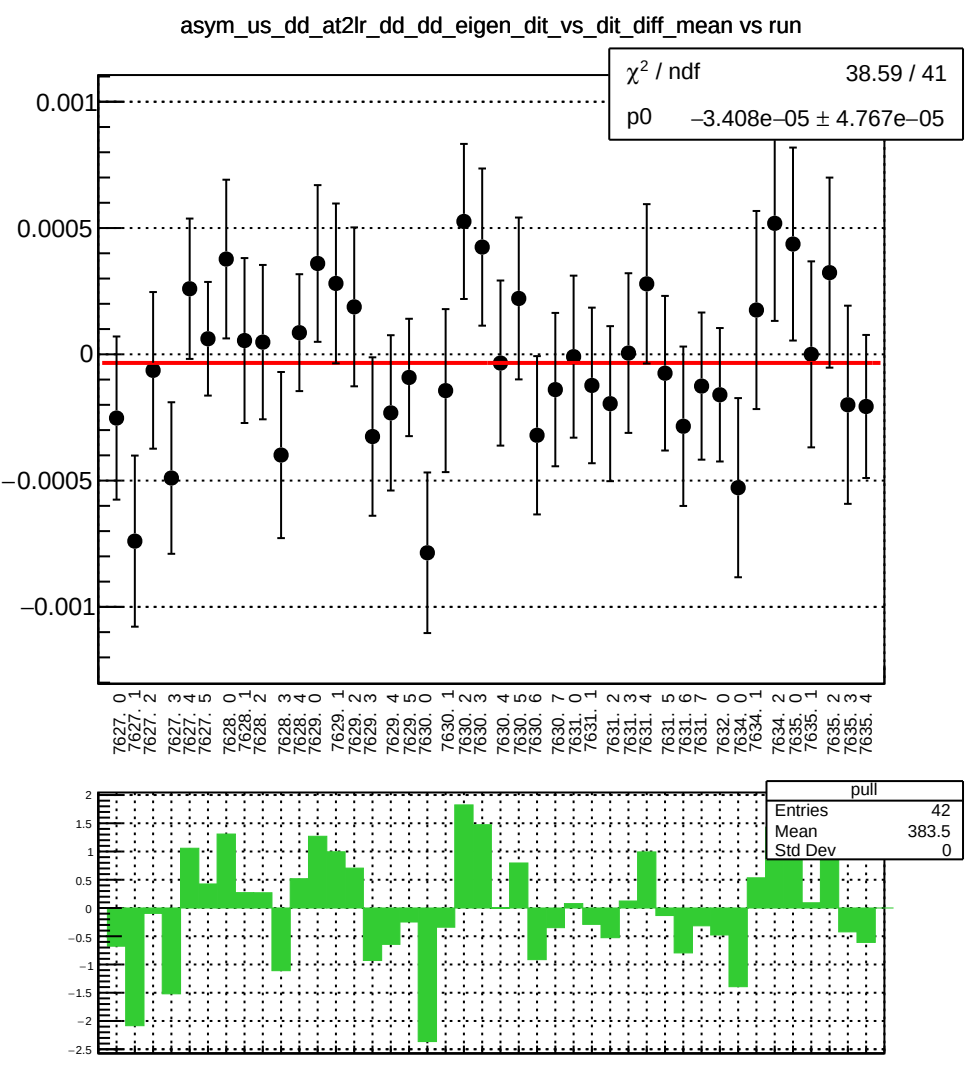

pull1D
Entries 42
Mean −1.088e−05
Std Dev 0.9609

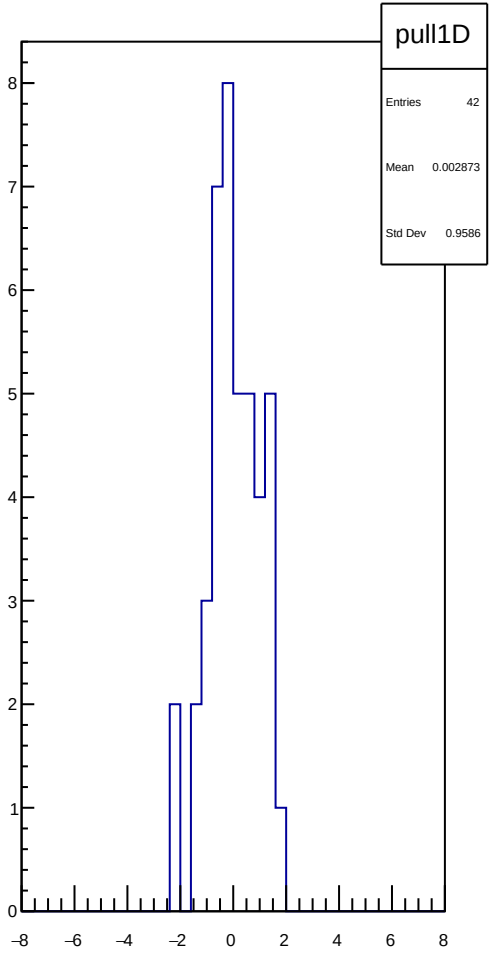

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.794e+04 / 41
p0 138.4 ± 0.1547
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

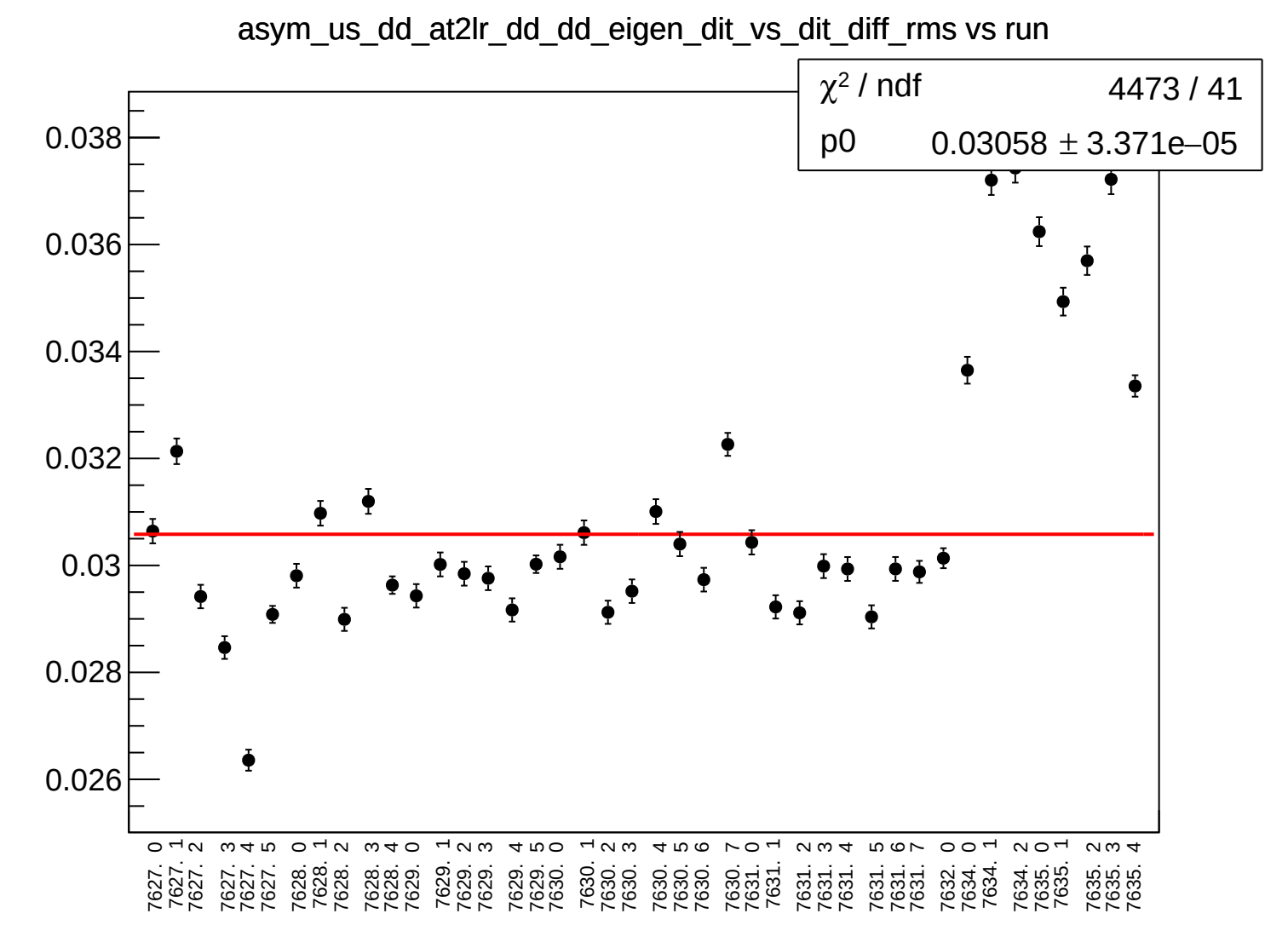

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.78 / 41
p0 −0.4342 ± 0.2188
pull
Entries 42
Mean −4.945e+04
Std Dev 0

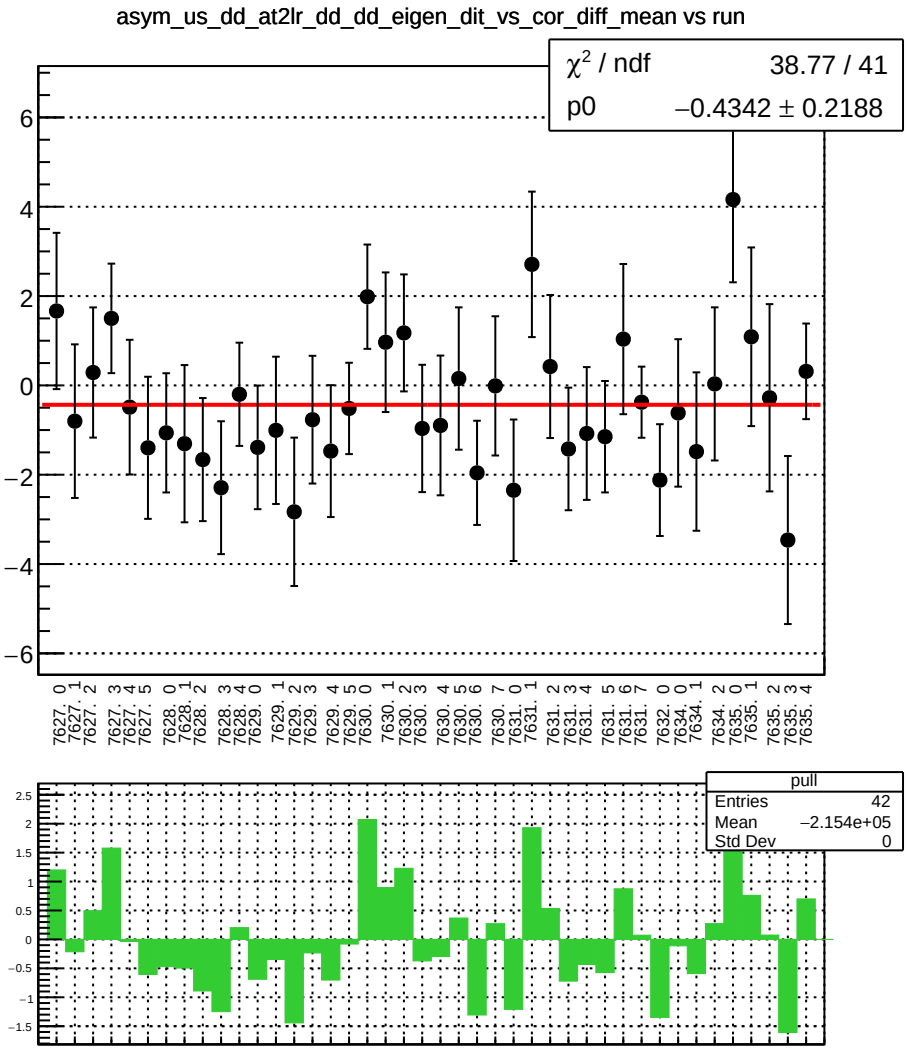

pull1D
Entries 42
Mean −1.088e−05
Std Dev 0.9609

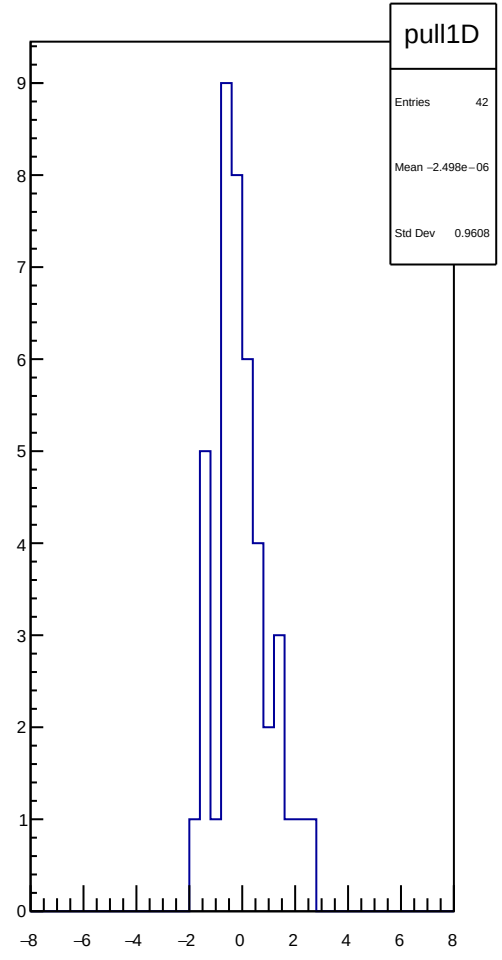

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.794e+04 / 41
p0 138.4 ± 0.1547
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

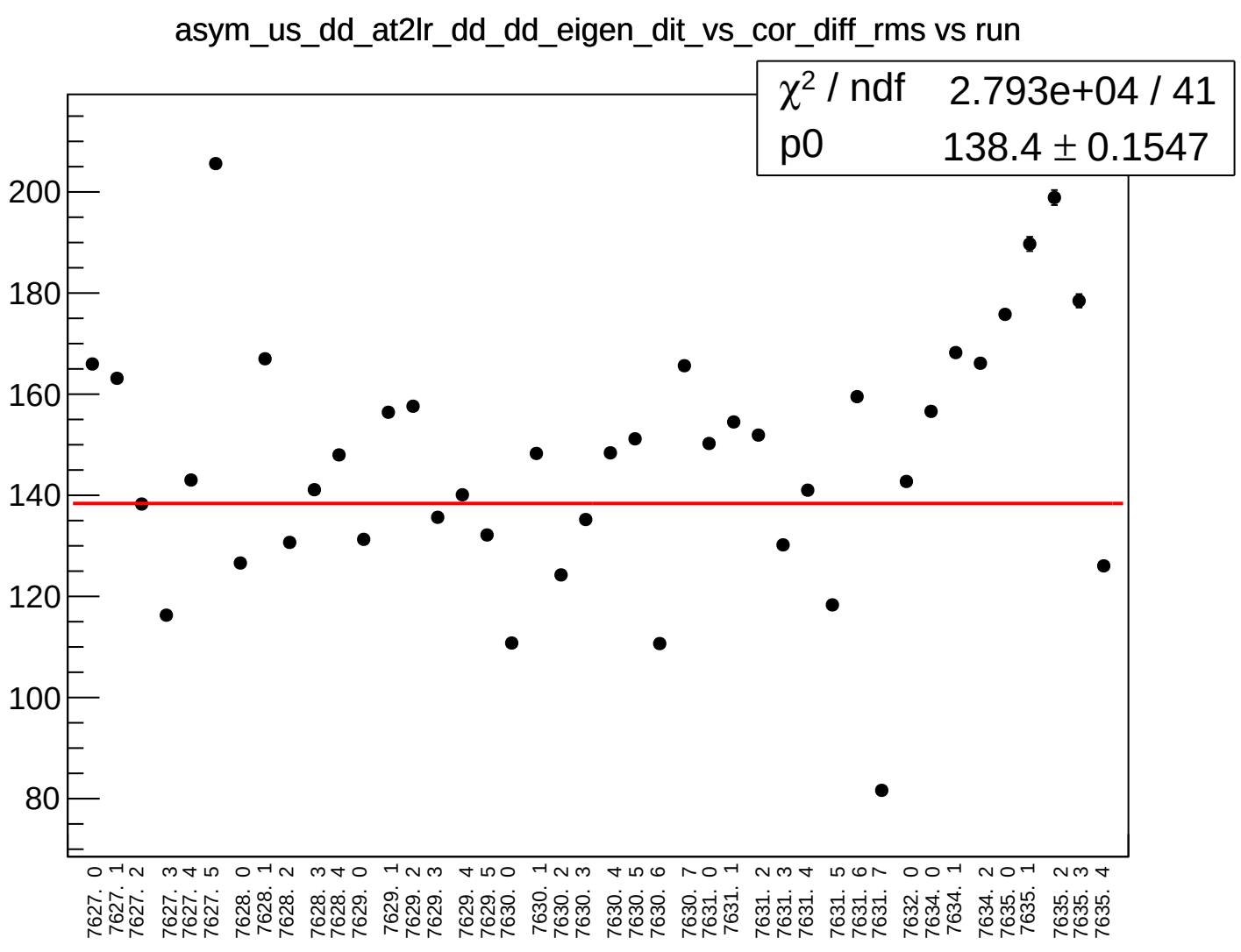

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 38.59 / 41
p0 −3.408e−05 ± 4.767e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 383.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

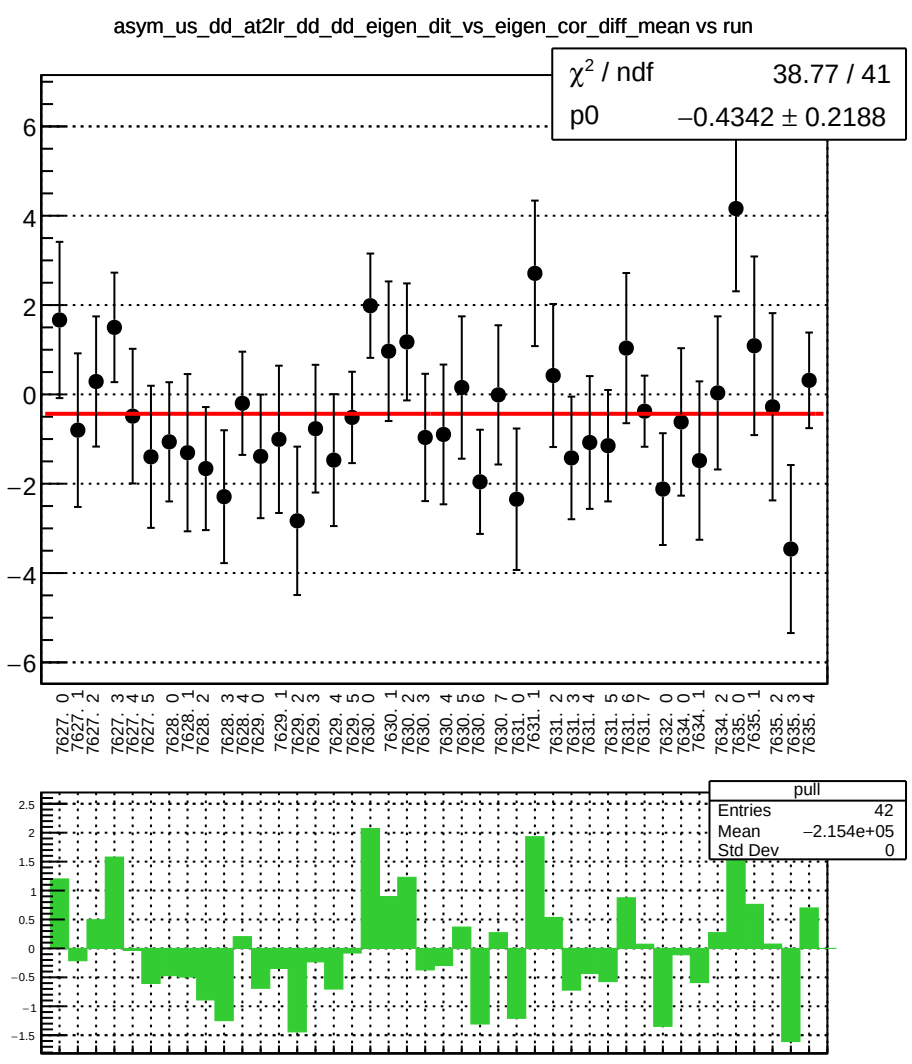

pull1D
Entries 42
Mean 0.002873
Std Dev 0.9586
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

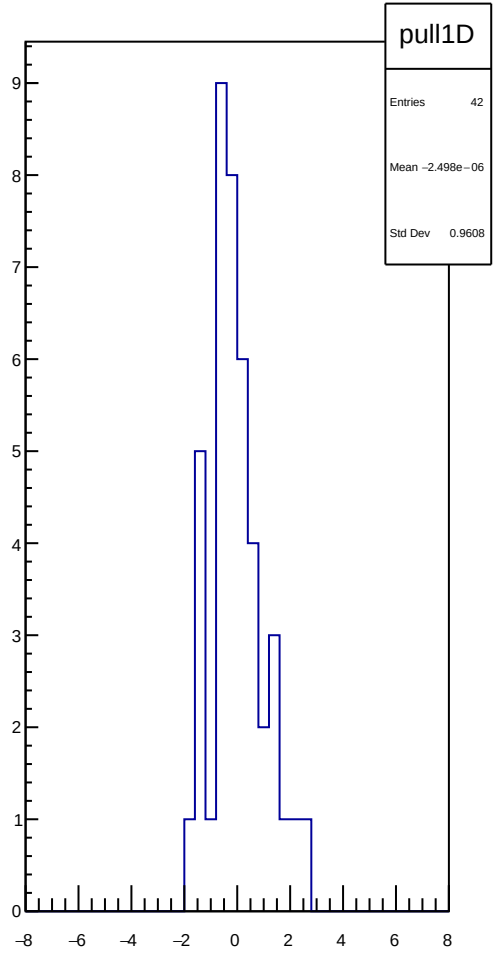

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4473 / 41
p0 0.03058 ± 3.371e−05
0.038
0.036
0.034
0.032
0.03
0.028
0.026
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

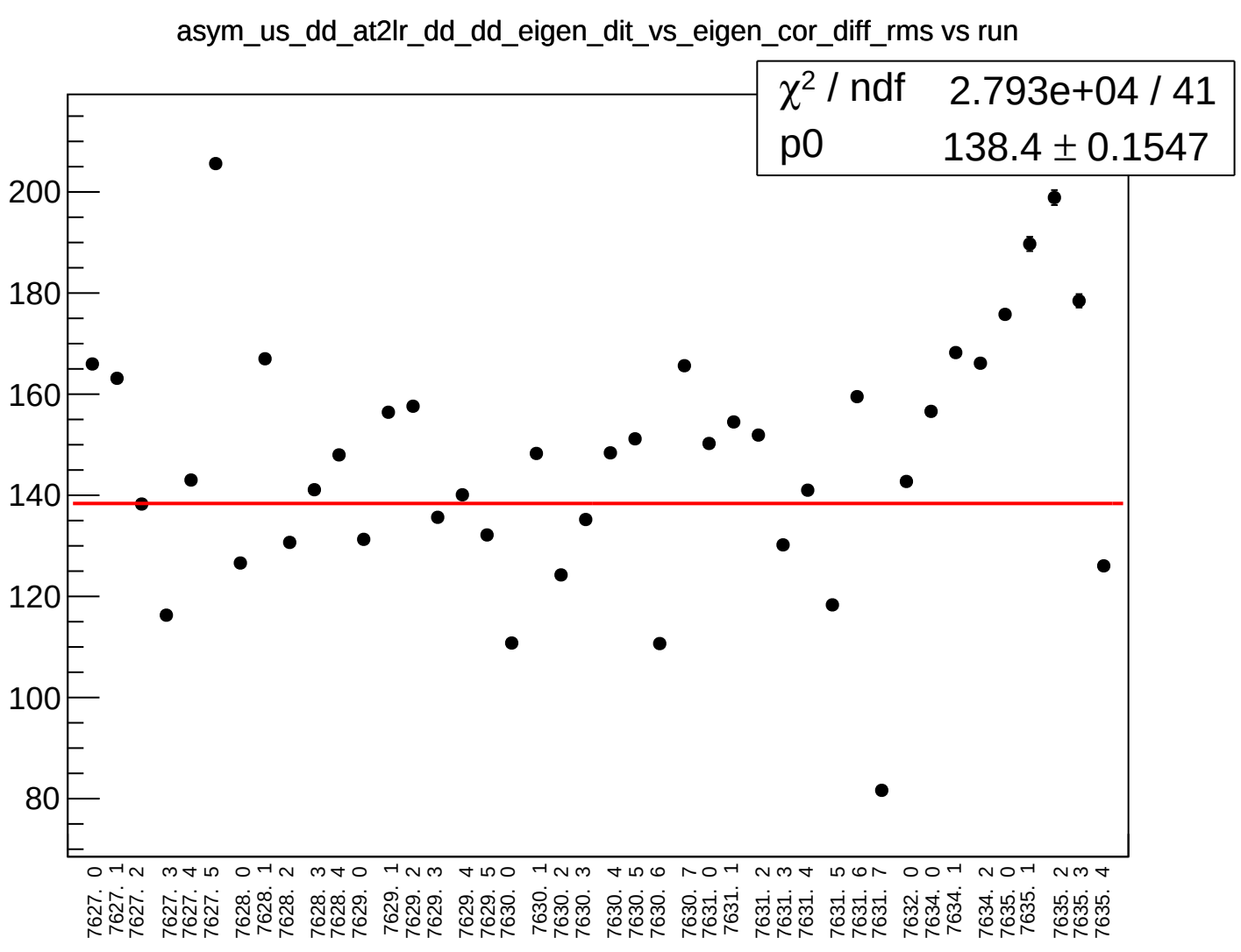

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.77 / 41
p0 −0.4342 ± 0.2188
pull
Entries 42
Mean −2.154e+05
Std Dev 0

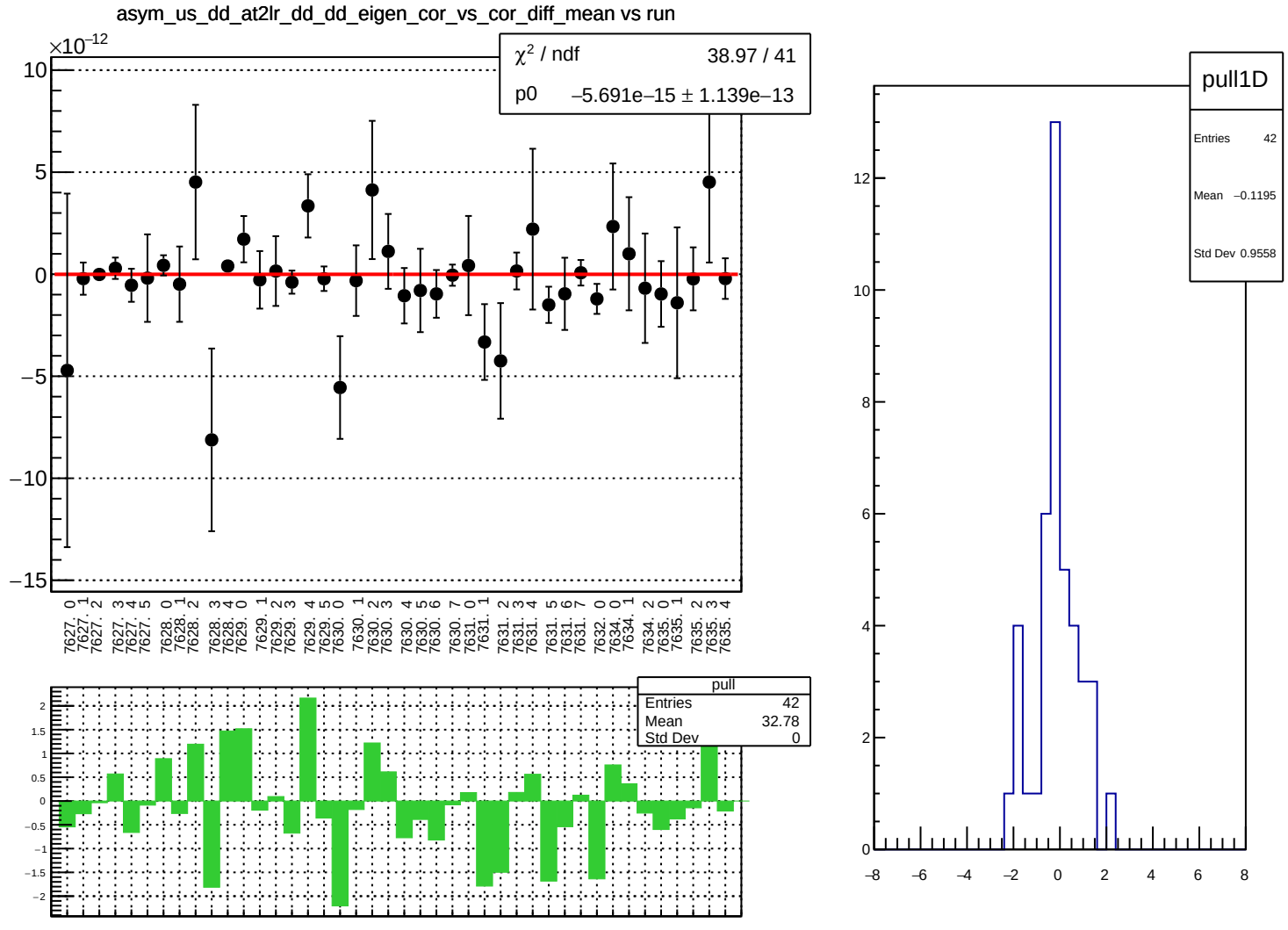

pull1D
Entries 42
Mean −2.498e−06
Std Dev 0.9608

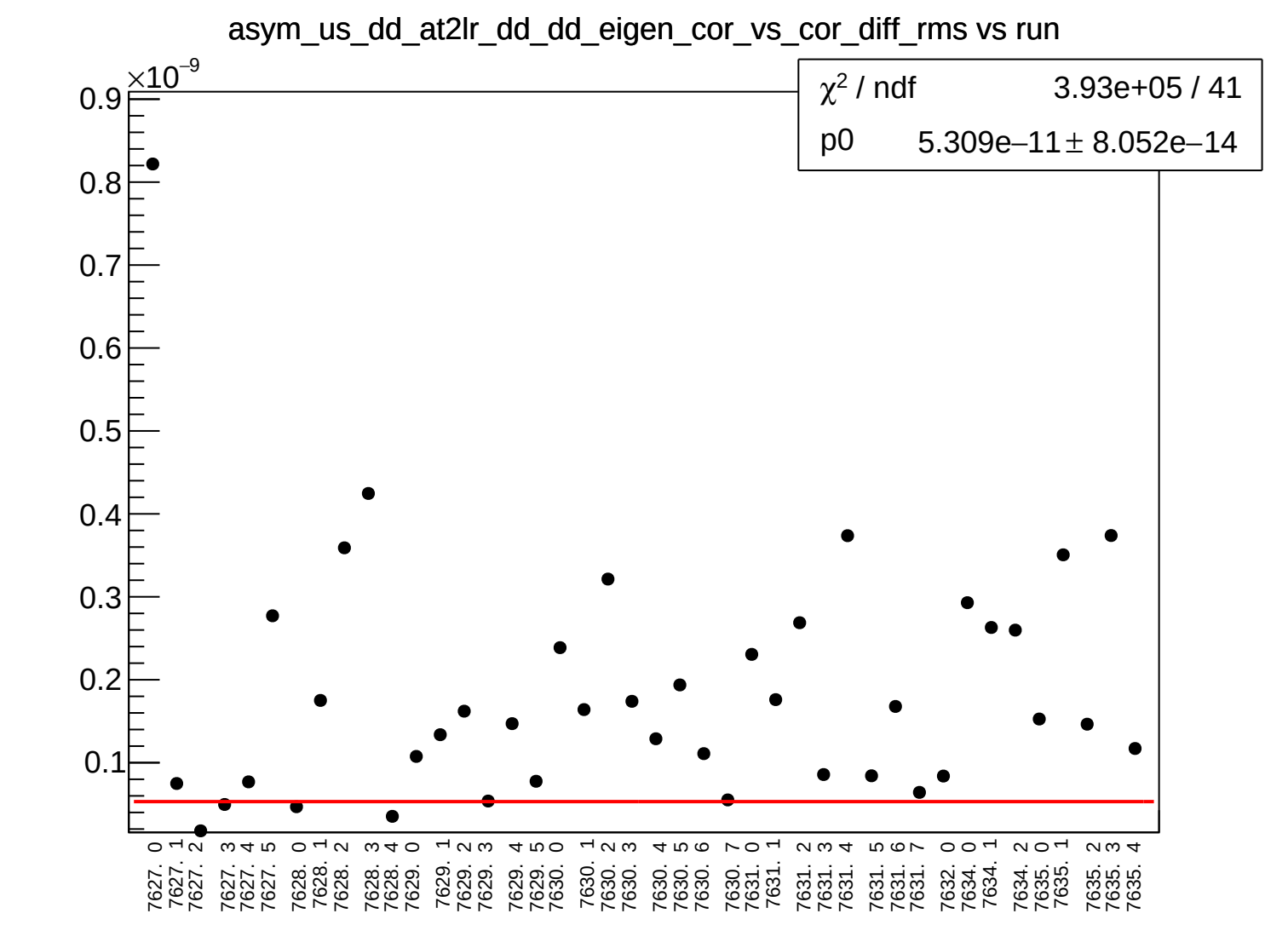

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.793e+04 / 41
p0 138.4 ± 0.1547
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

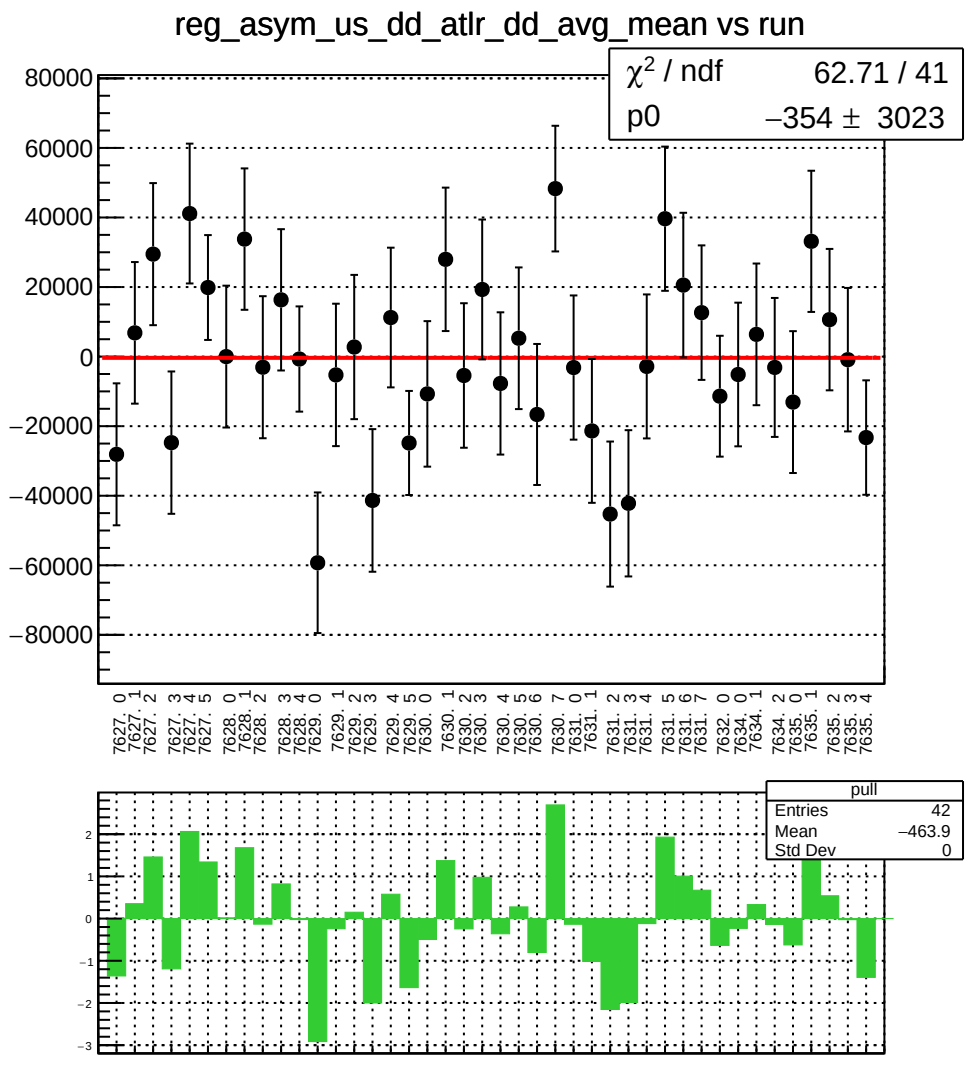

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.77 / 41
p0 −0.4342 ± 0.2188
pull
Entries 42
Mean −2.154e+05
Std Dev 0

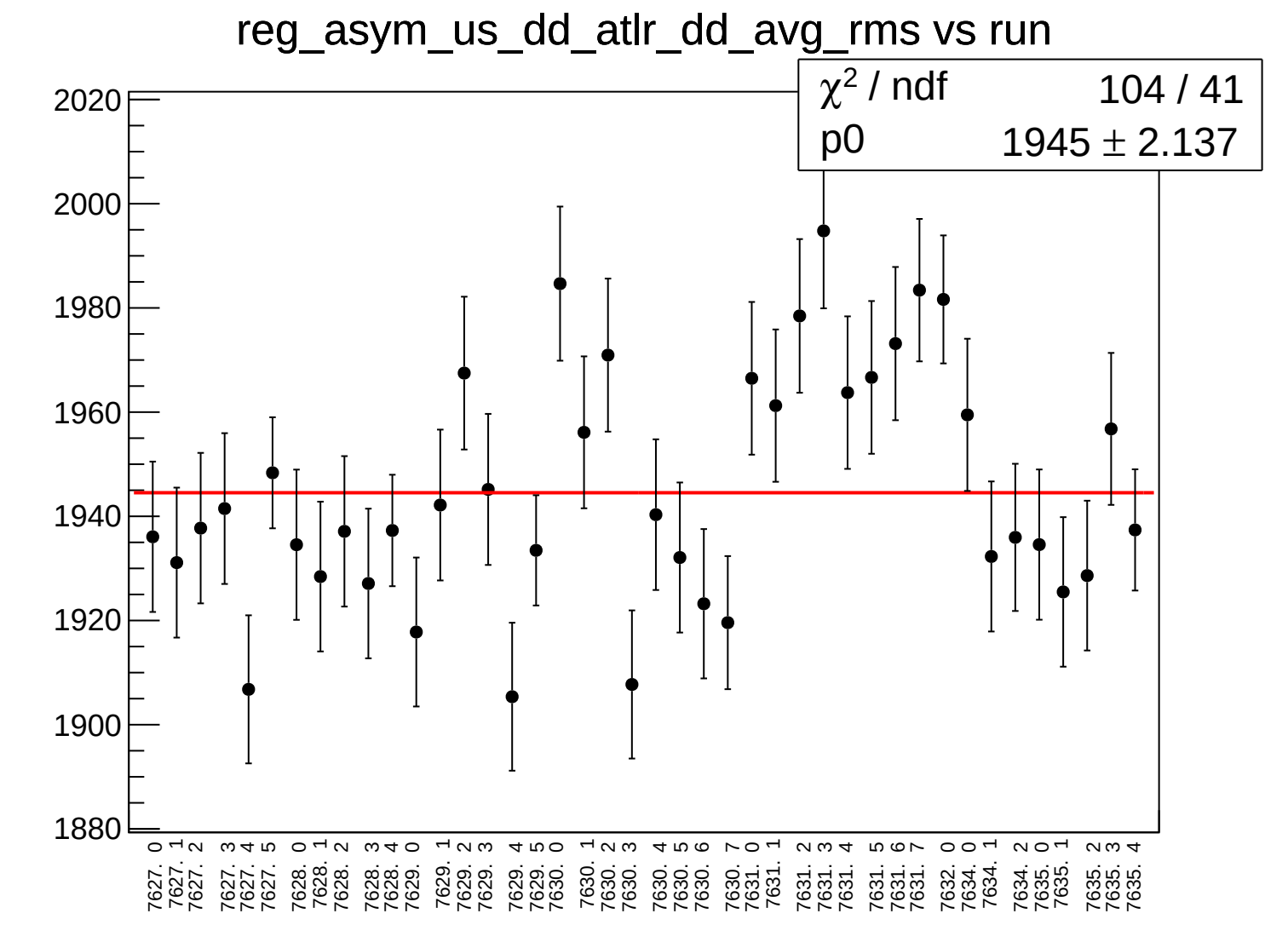

pull1D
Entries 42
Mean −2.498e−06
Std Dev 0.9608

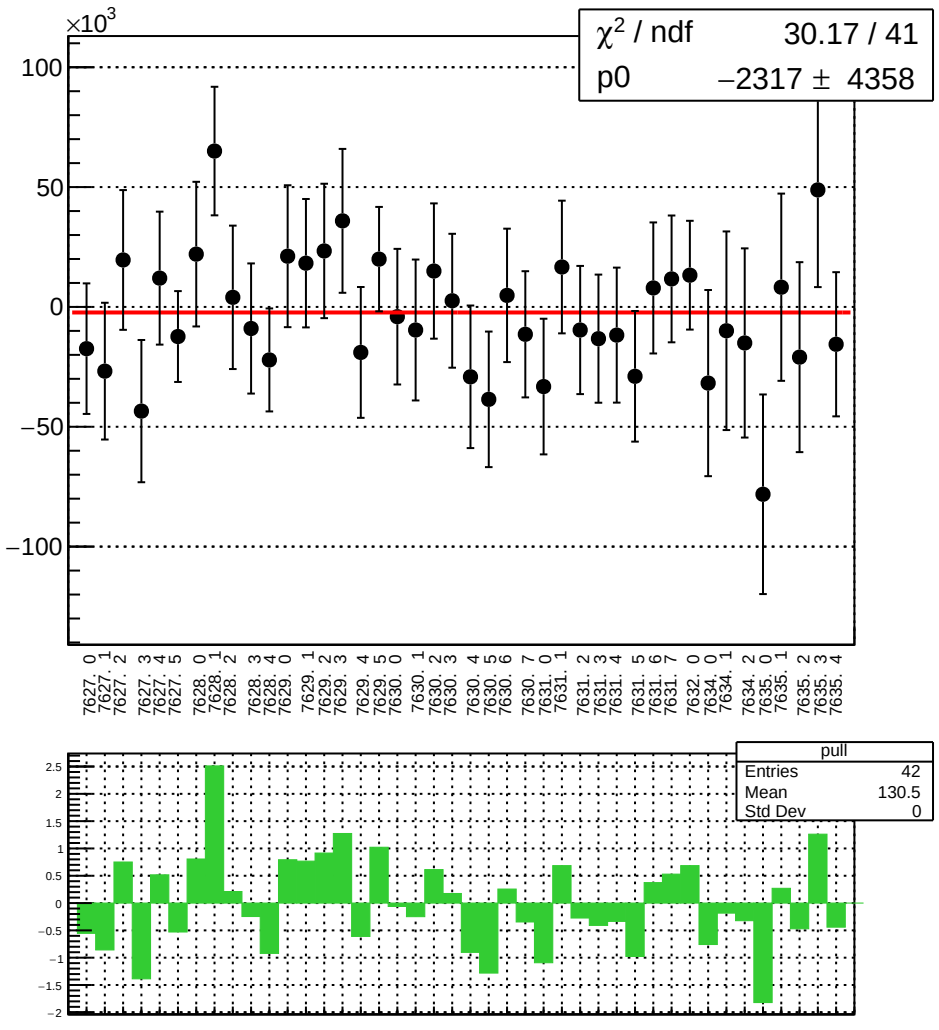

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.793e+04 / 41
p0 138.4 ± 0.1547
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

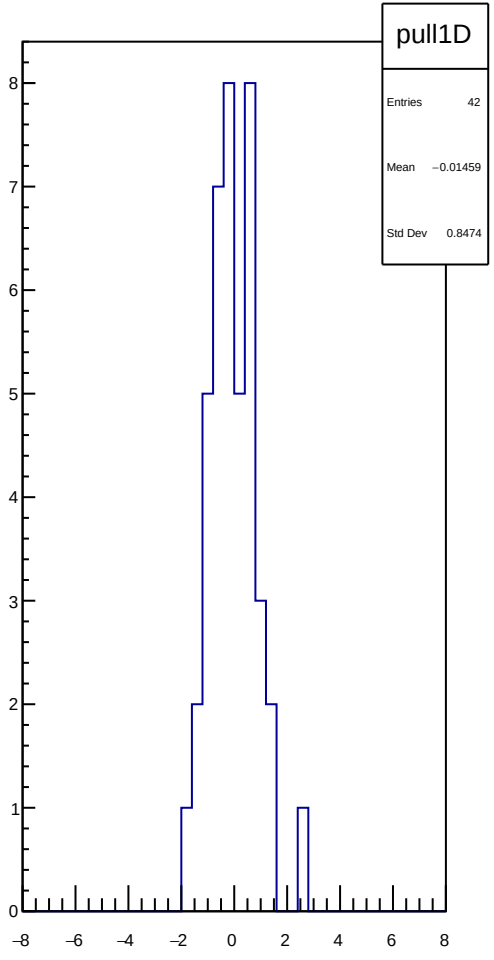

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.97 / 41
p0 −5.691e−15 ± 1.139e−13
pull
Entries 42
Mean 32.78
Std Dev 0
pull1D
Entries 42
Mean −0.1195
Std Dev 0.9558

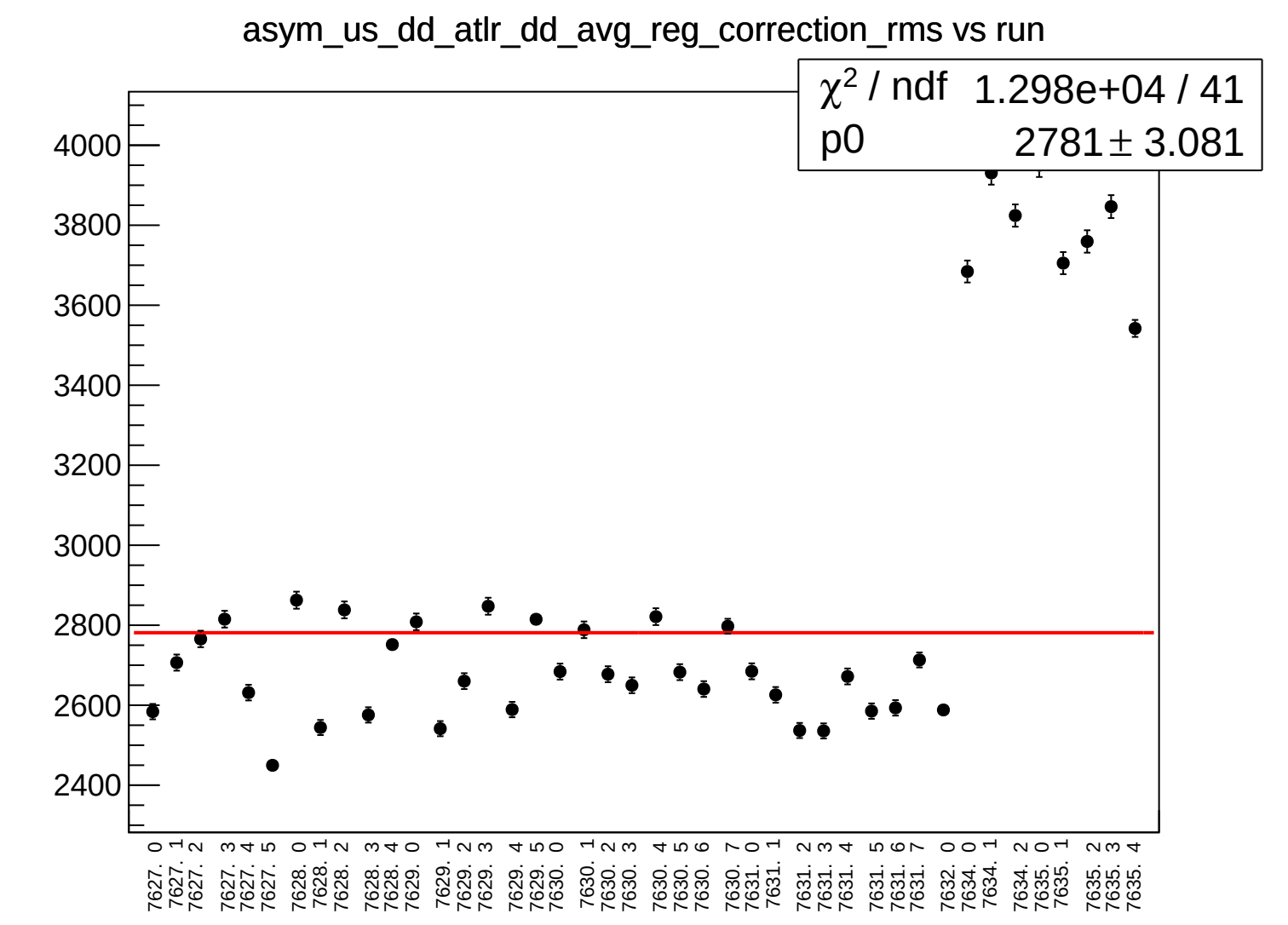

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.93e+05 / 41
p0 5.309e−11 ± 8.052e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

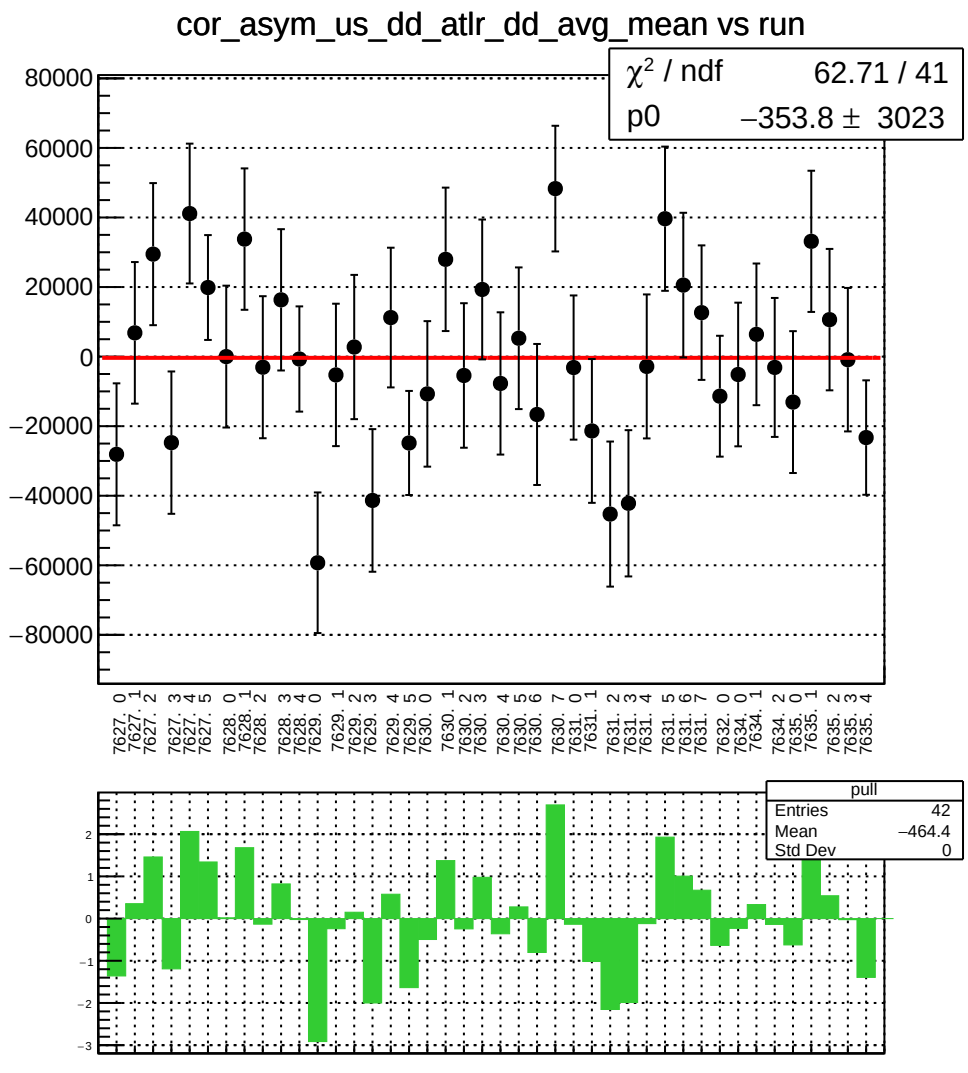

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 62.71 / 41
p0 −354 ± 3023
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −463.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.001339
Std Dev 1.222
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

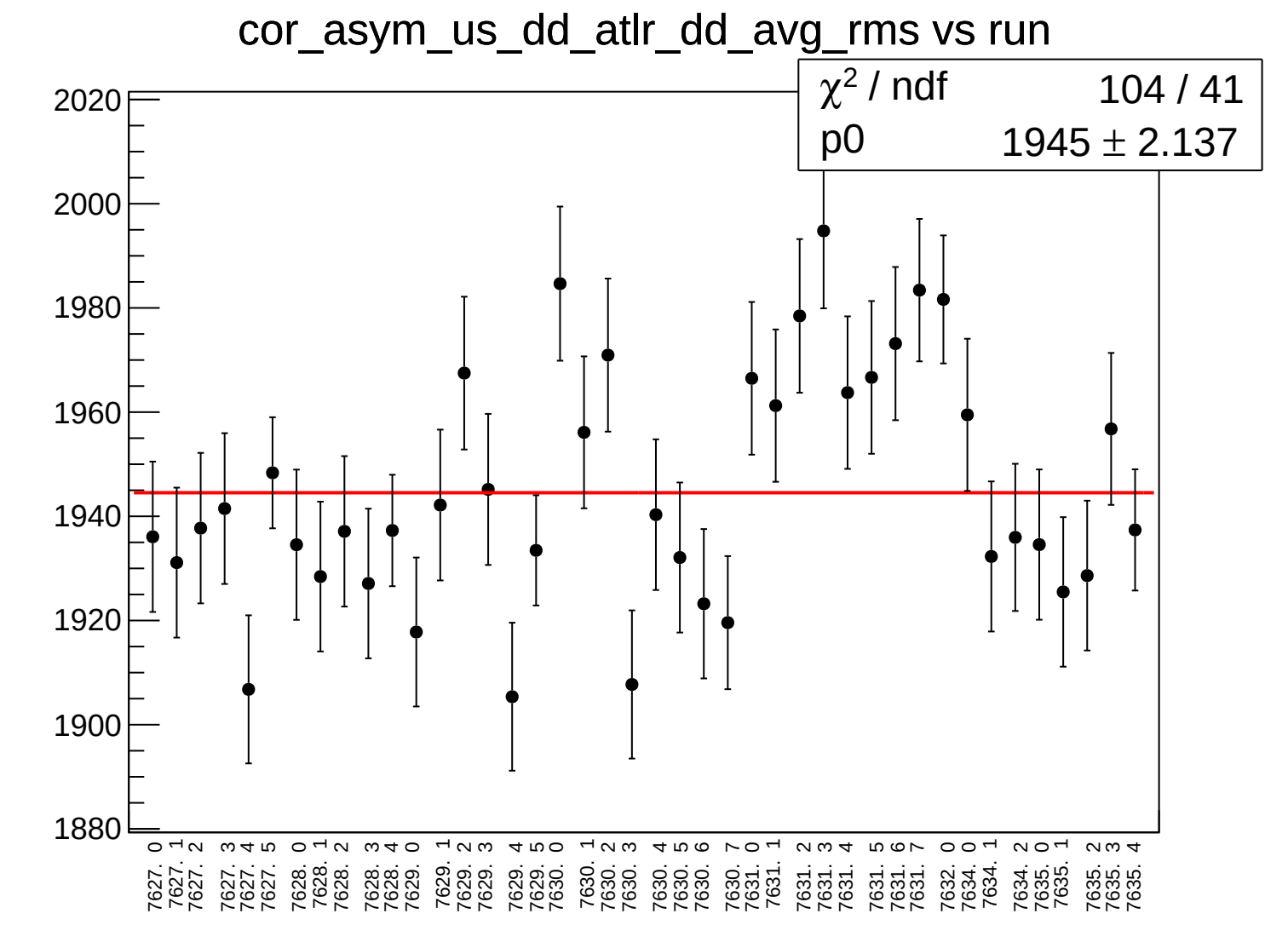

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 104 / 41
p0 1945 ± 2.137
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

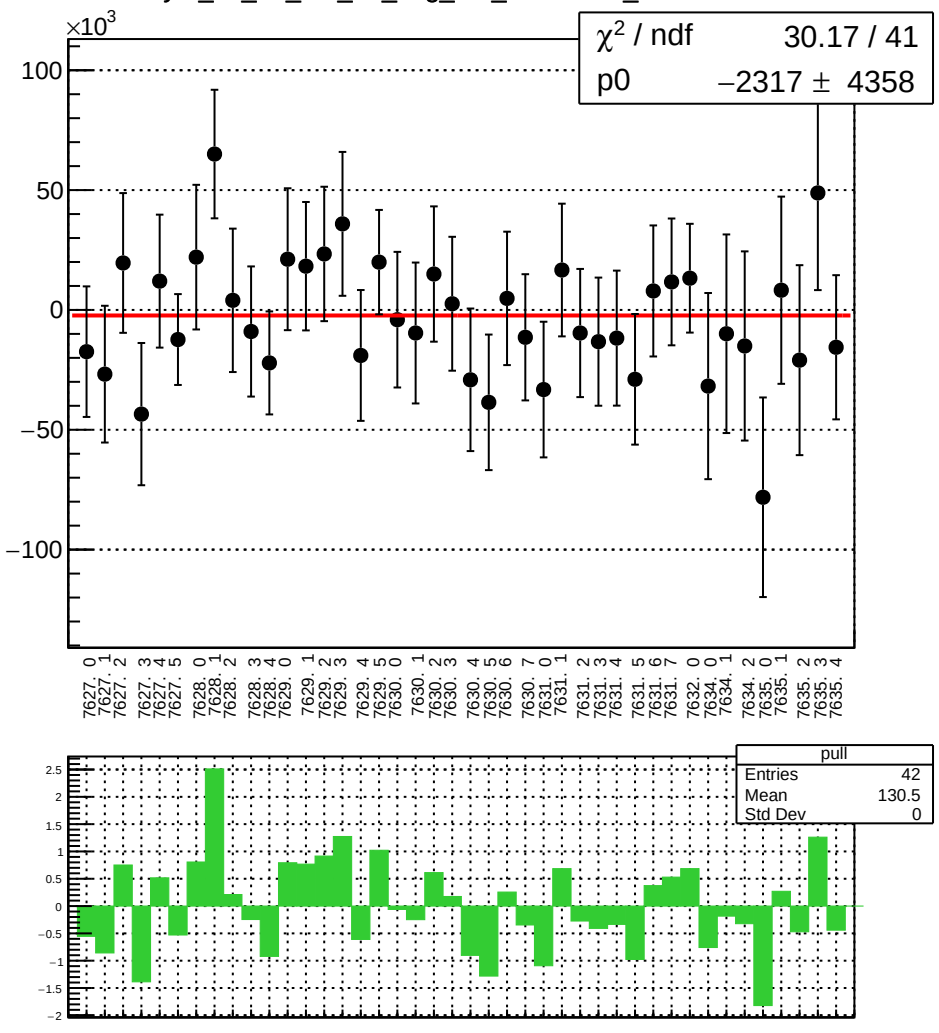

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 30.17 / 41
p0 −2317 ± 4358
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 130.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

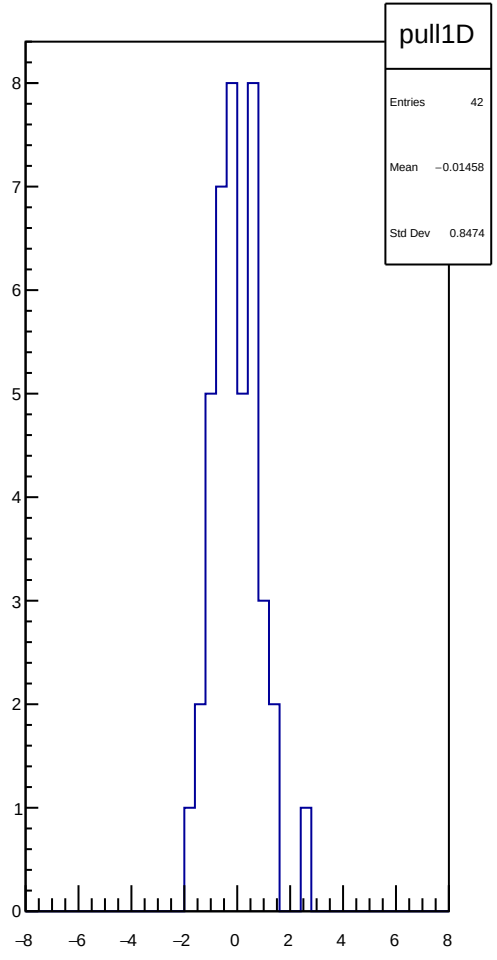

pull1D
Entries 42
Mean −0.01459
Std Dev 0.8474
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

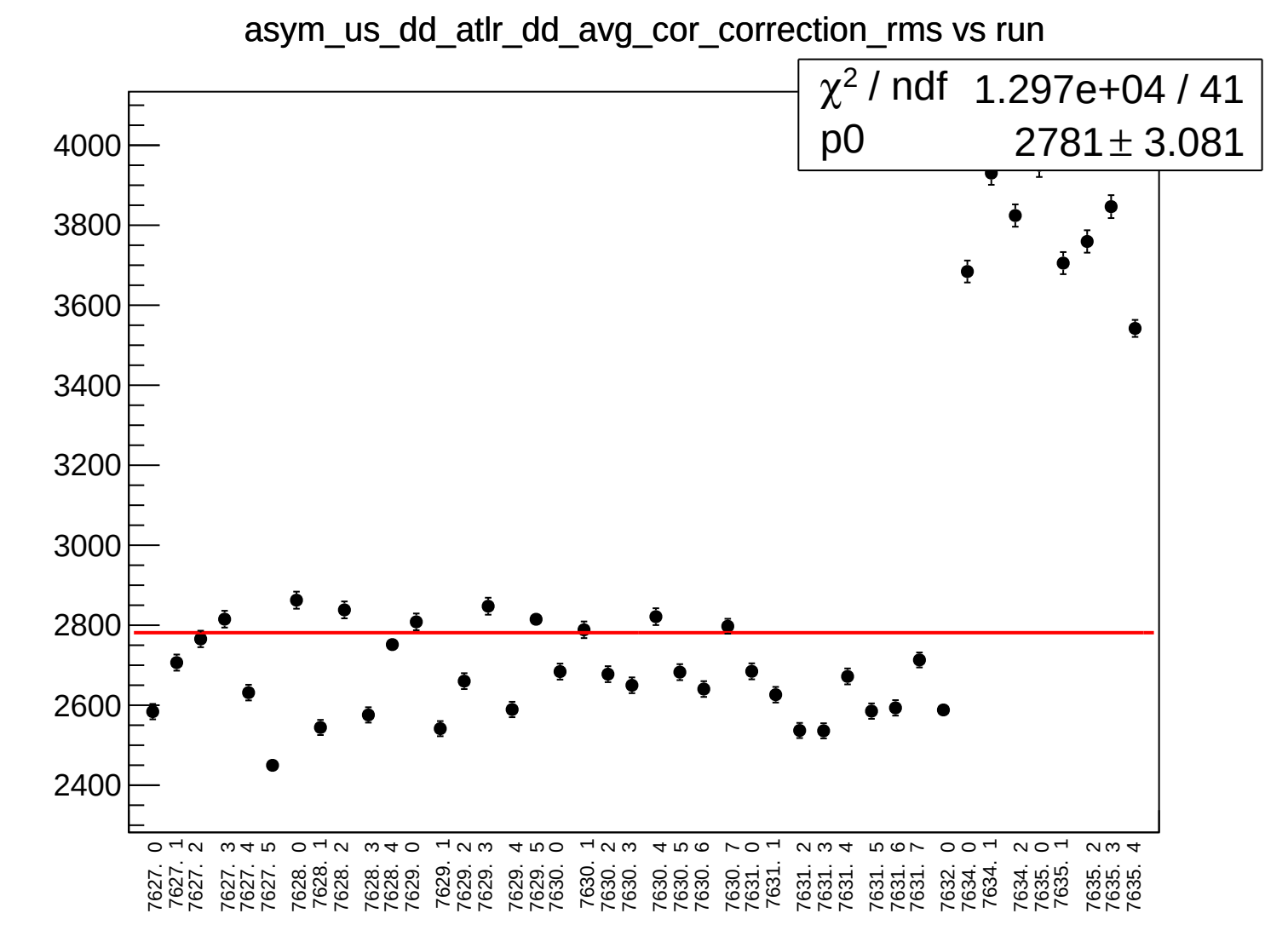

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.298e+04 / 41
p0 2781 ± 3.081
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

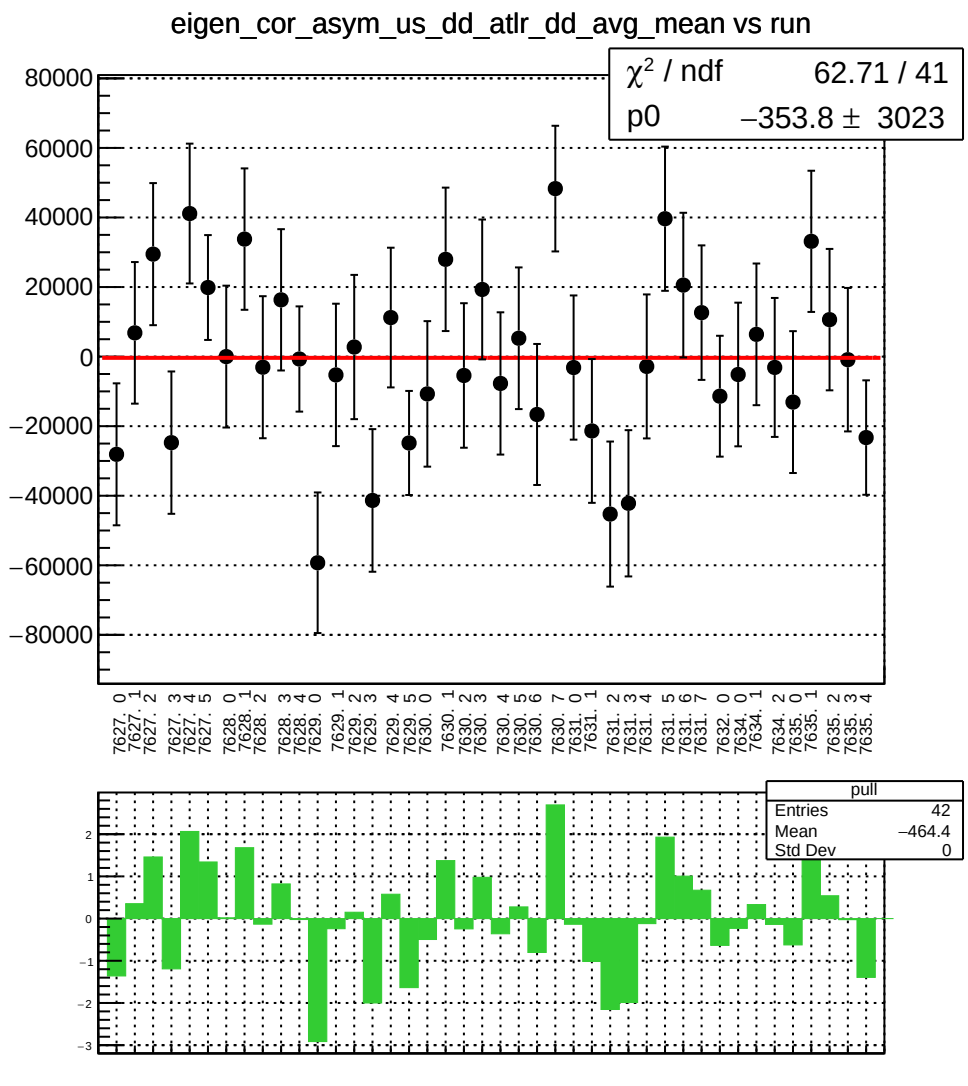

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 62.71 / 41
p0 −353.8 ± 3023
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −464.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.001338
Std Dev 1.222
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

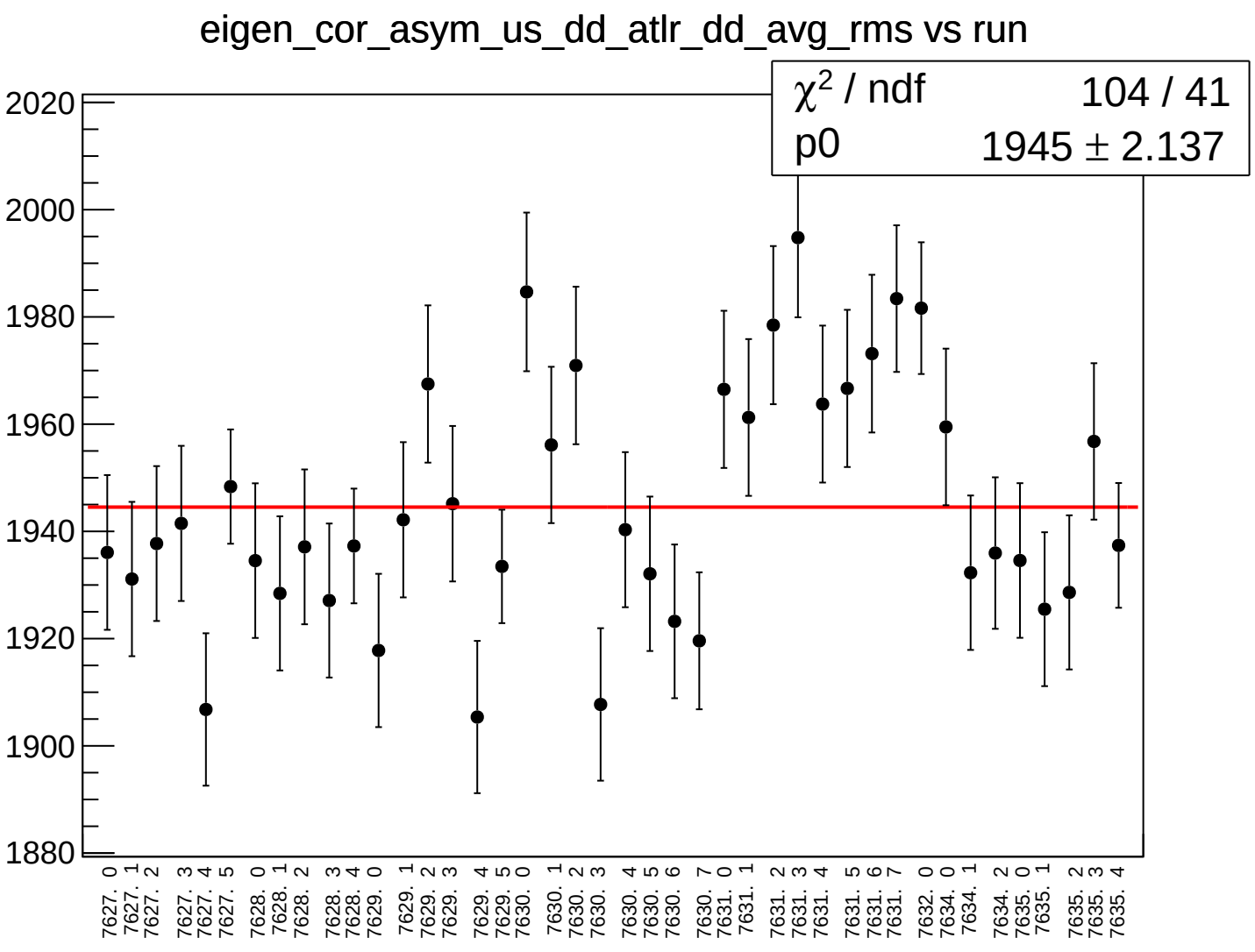

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 104 / 41
p0 1945 ± 2.137
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 30.17 / 41
p0 −2317 ± 4358
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 130.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.01458
Std Dev 0.8474
8
7
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 1.297e+04 / 41
p0 2781 ± 3.081
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 62.71 / 41
p0 −353.8 ± 3023
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −464.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.001338
Std Dev 1.222
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 104 / 41
p0 1945 ± 2.137
2020
2000
1980
1960
1940
1920
1900
1880
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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7630. 1
7630. 2
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7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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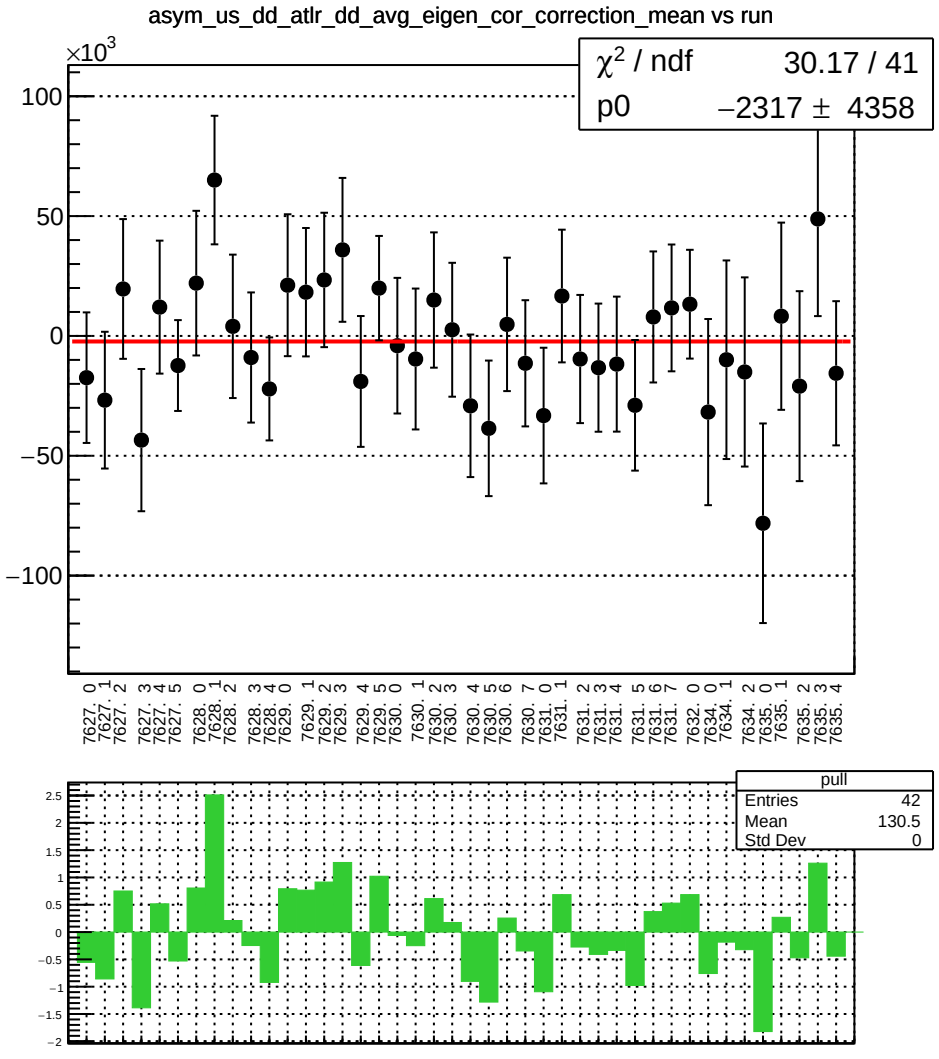
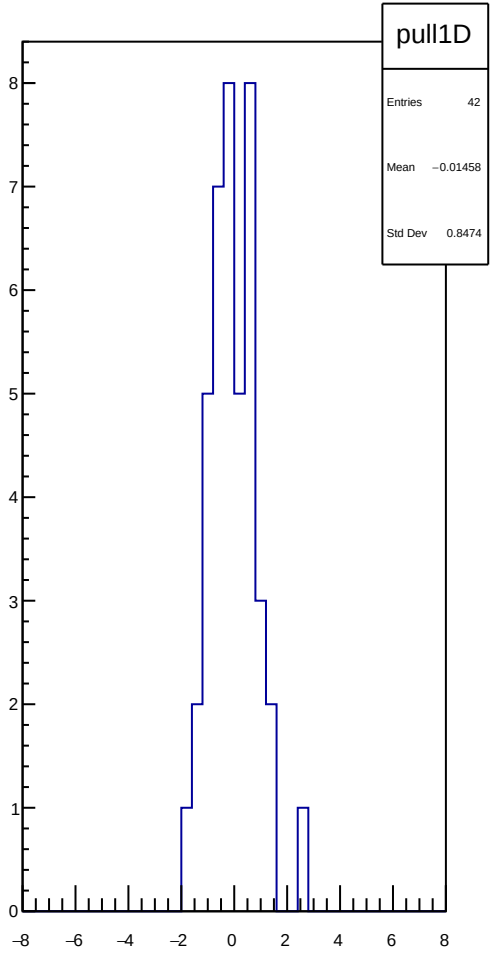
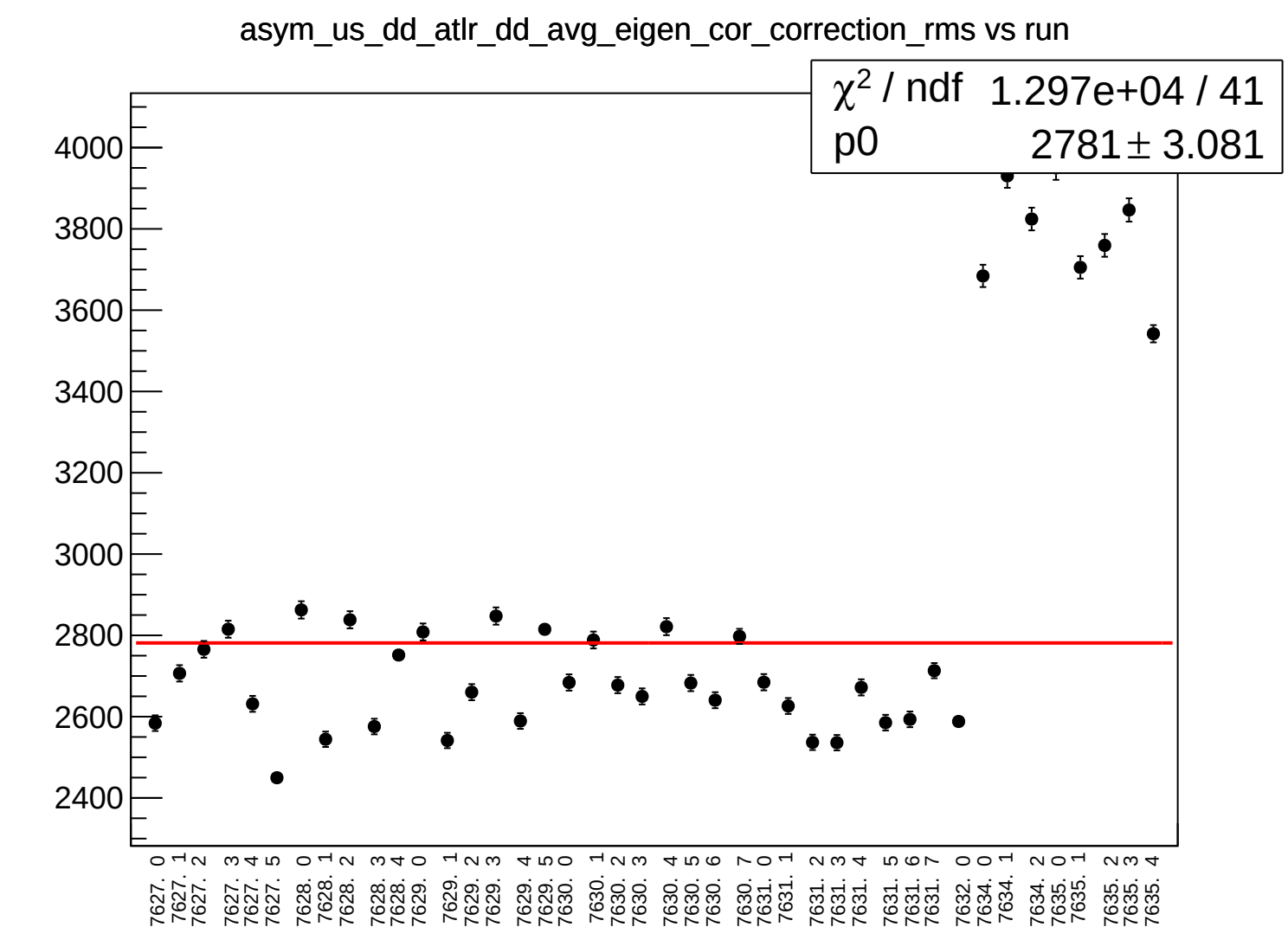
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.17 / 41
p0 −2317 ± 4358
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 130.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.01458
Std Dev 0.8474
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.297e+04 / 41
p0 2781 ± 3.081
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
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7627. 5
7628. 0
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7629. 0
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7630. 0
7630. 1
7630. 2
7630. 3
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7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
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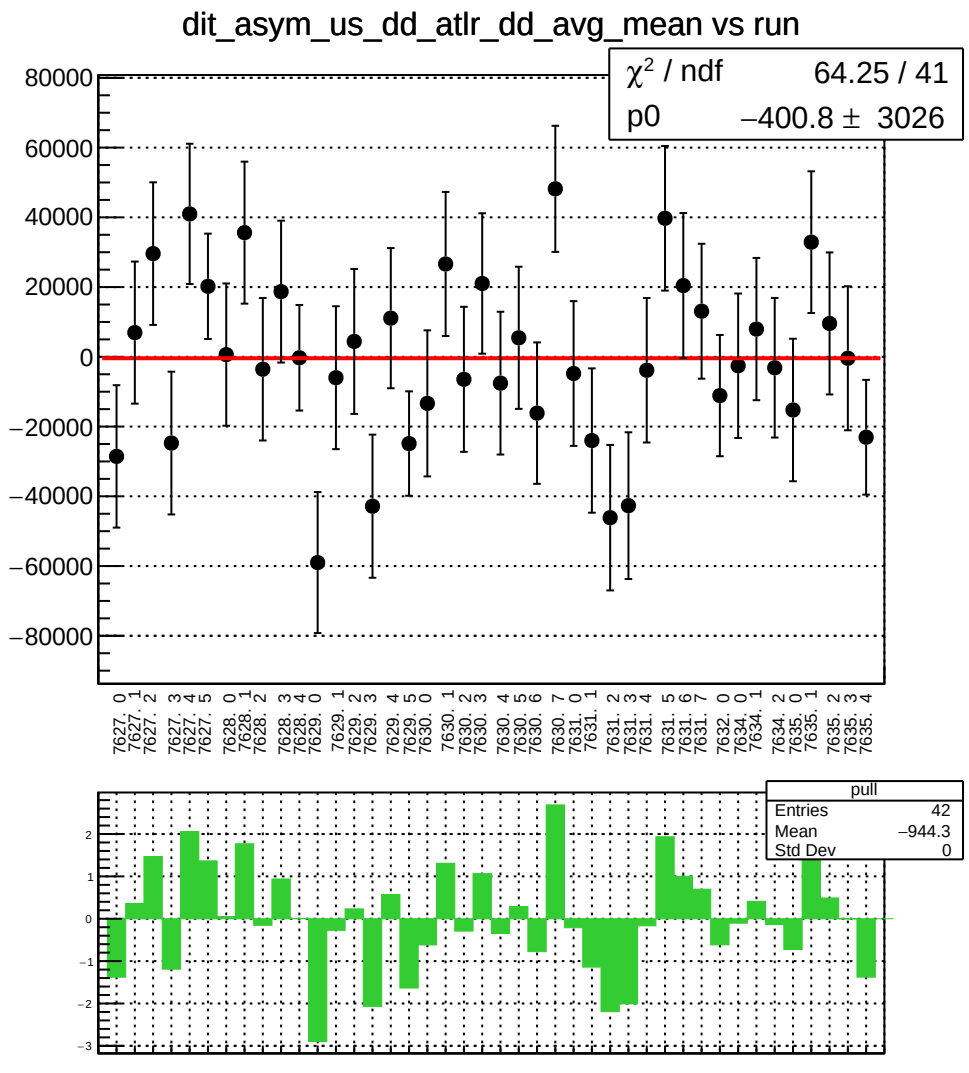
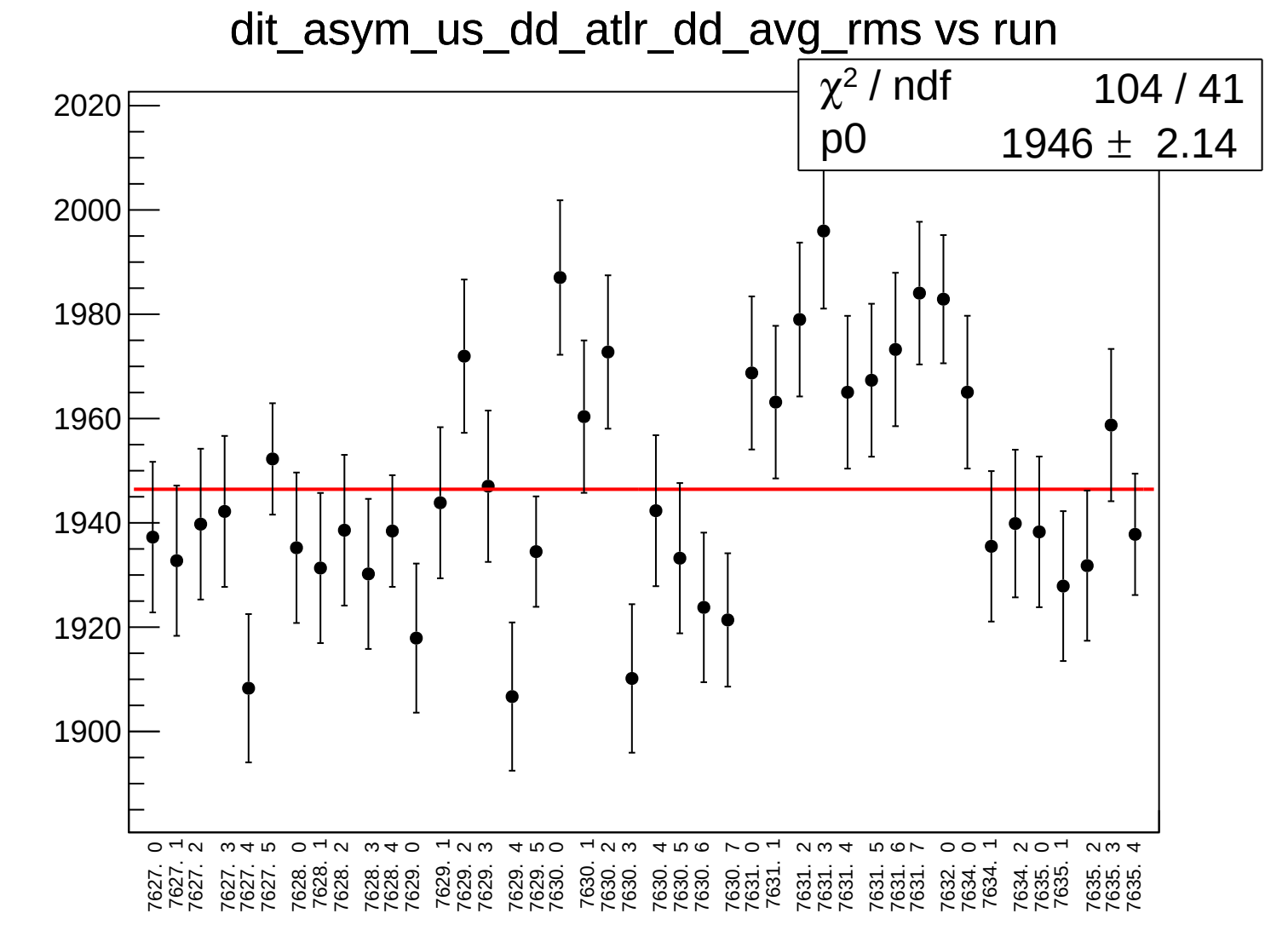
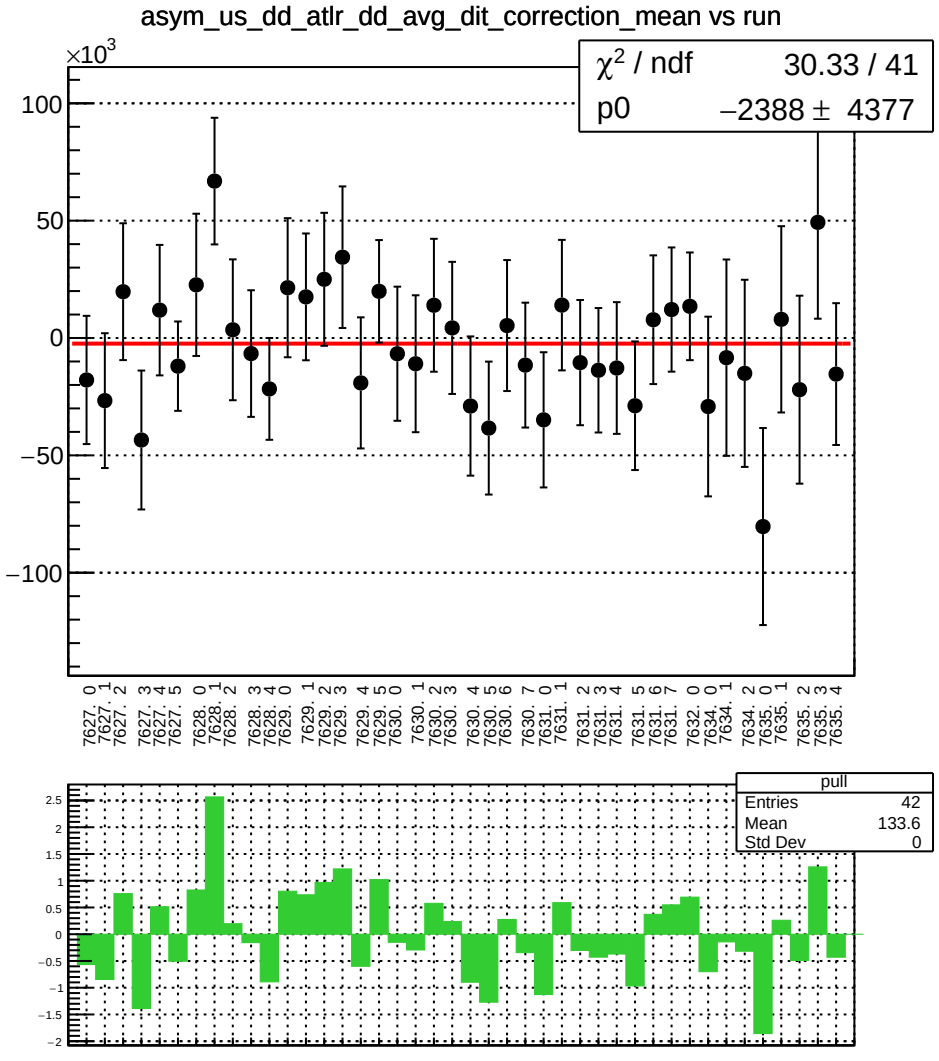
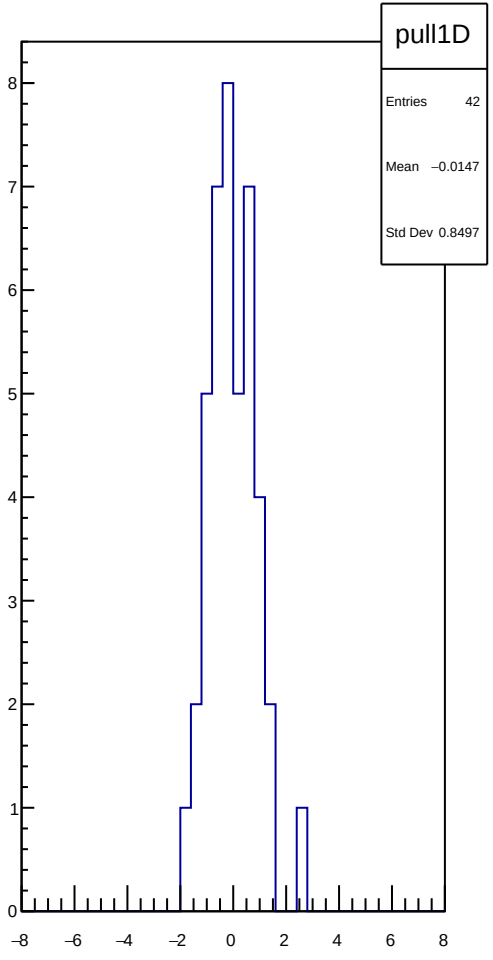
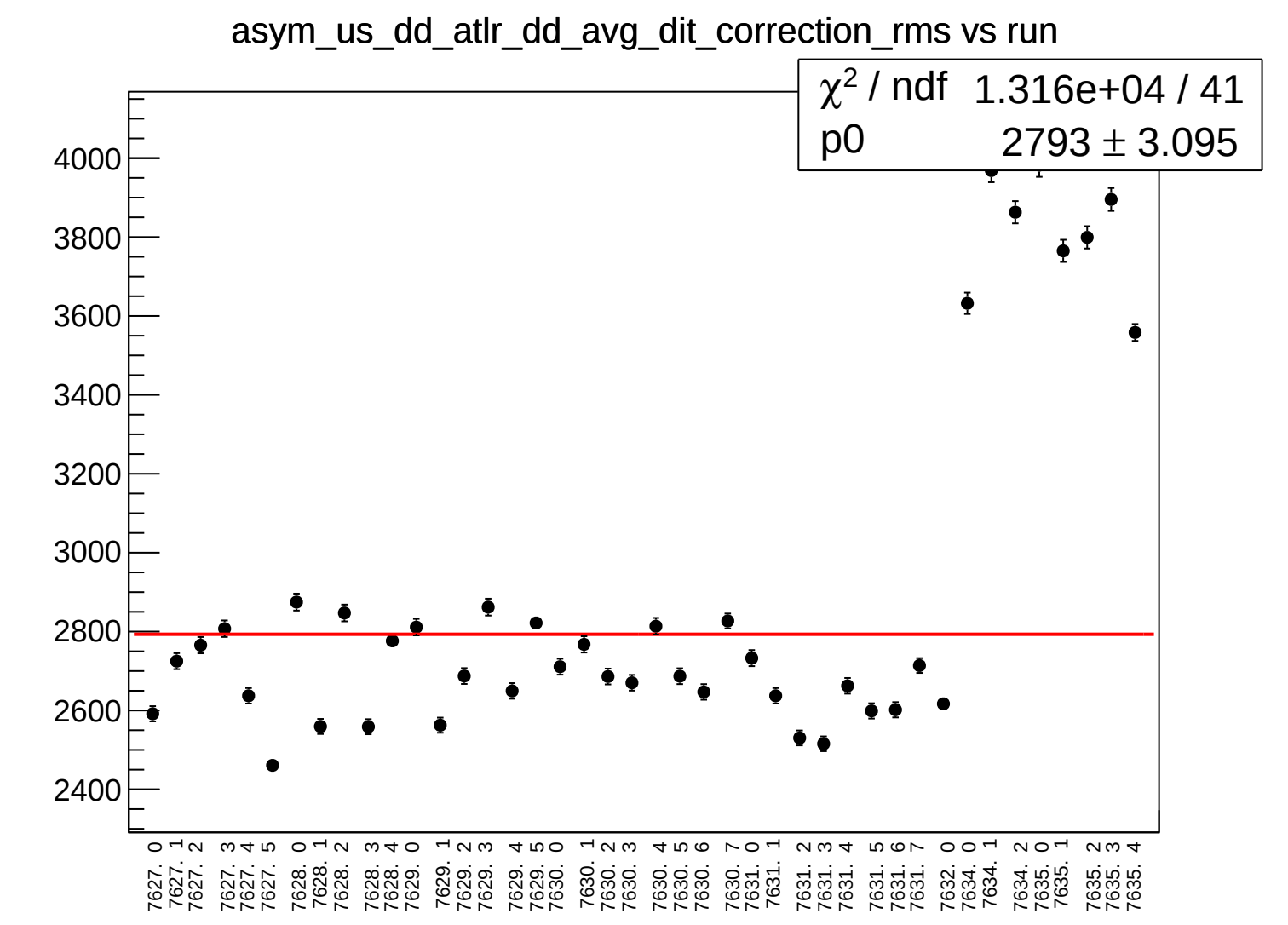
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

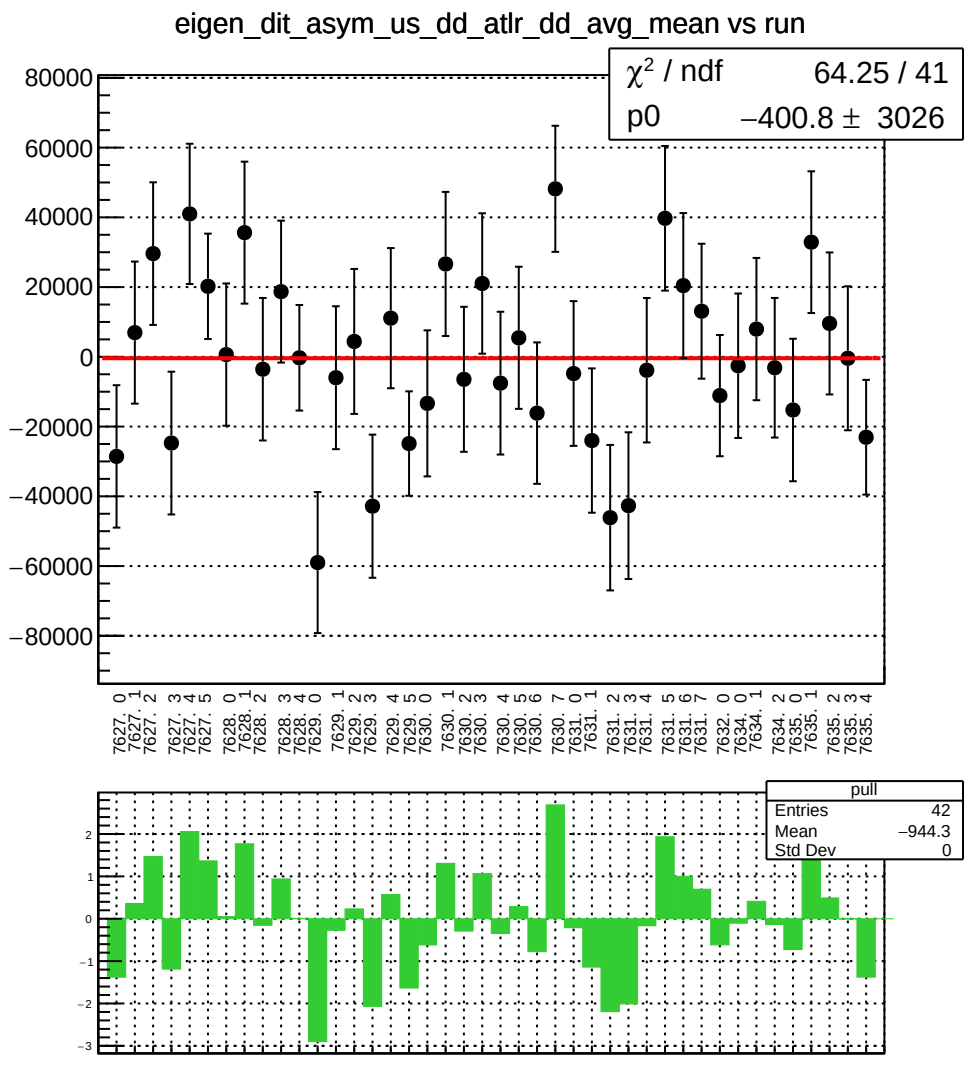

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 64.25 / 41
p0 −400.8 ± 3026
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −944.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.0007491
Std Dev 1.237
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

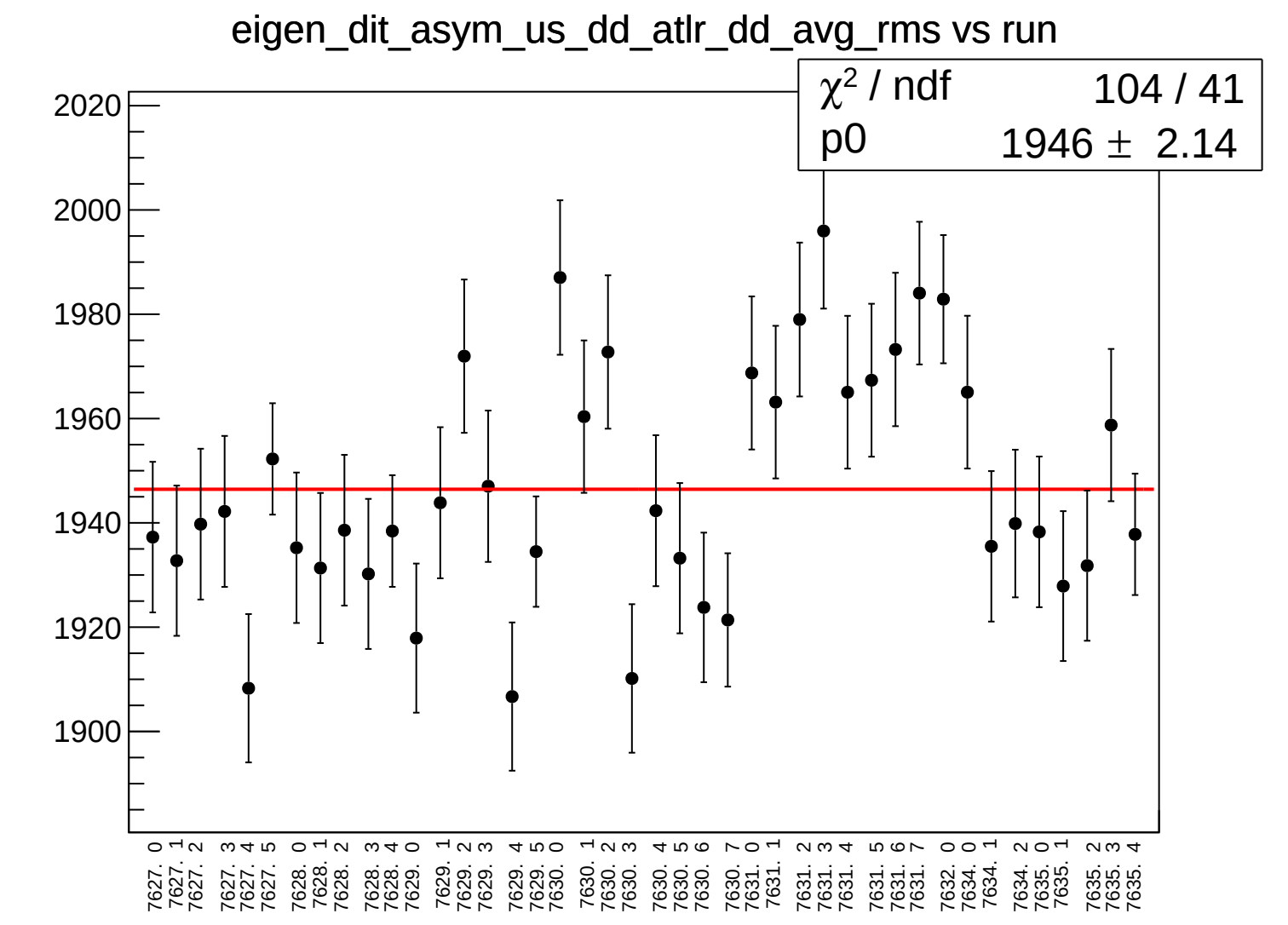

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 104 / 41
p0 1946 ± 2.14
2020
2000
1980
1960
1940
1920
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

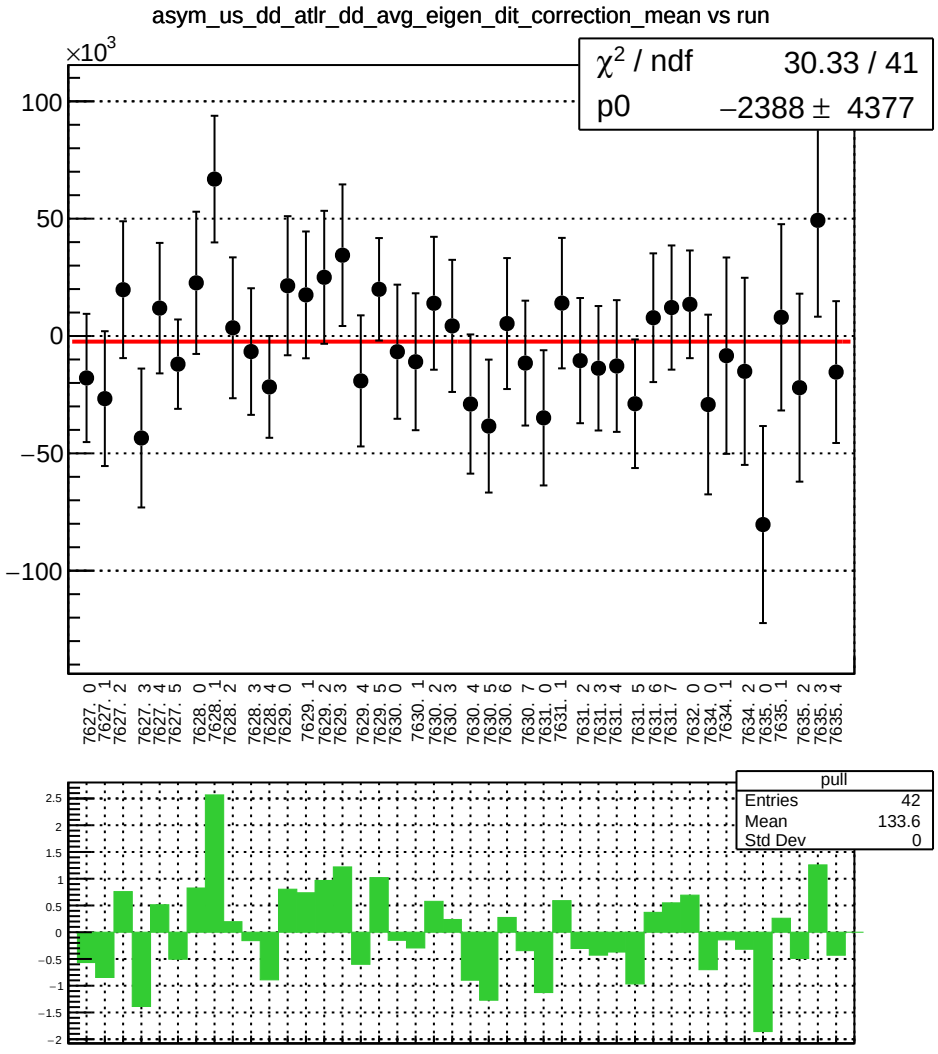

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 30.33 / 41
p0 −2388 ± 4377
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 133.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

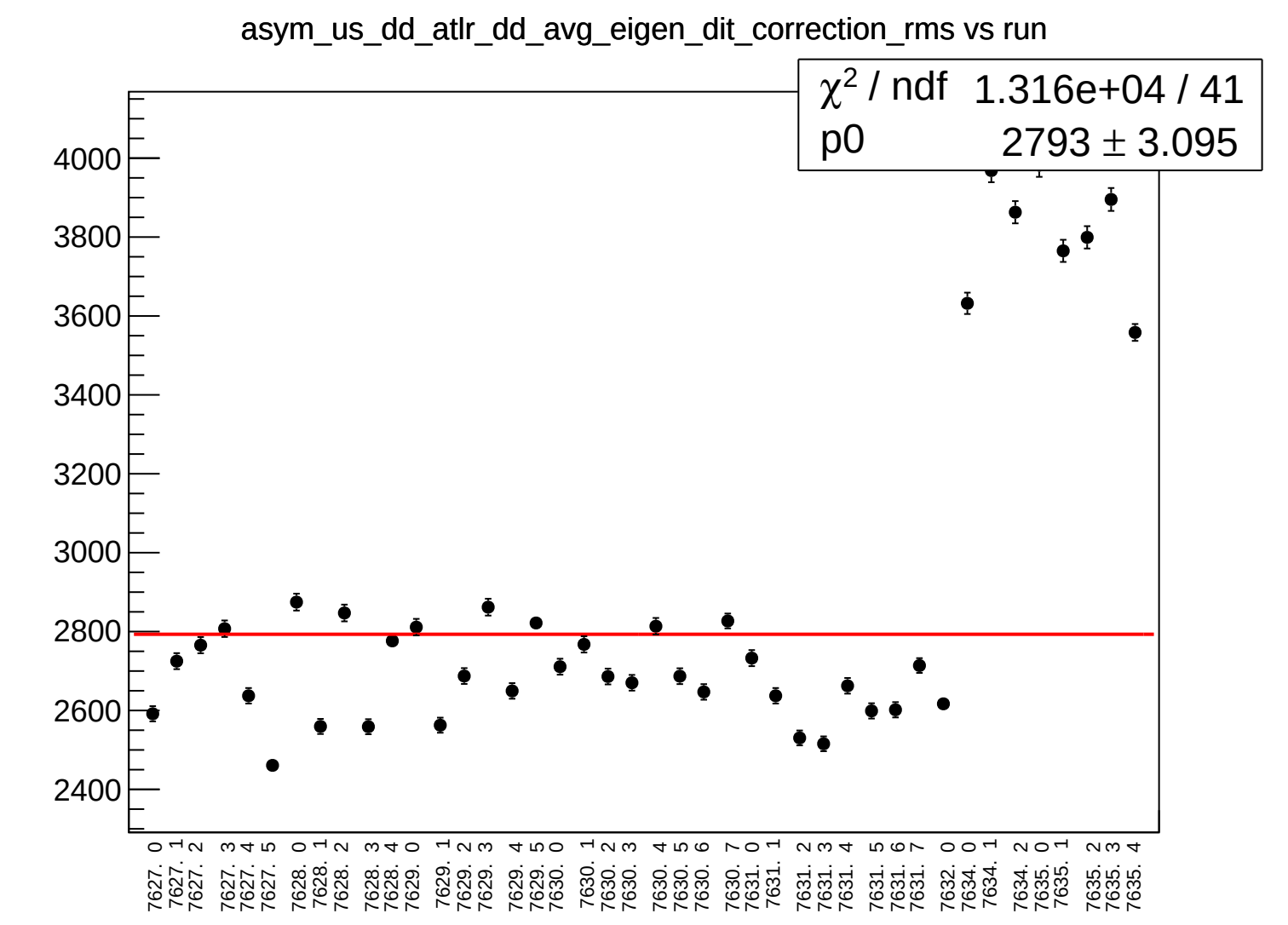

pull1D
Entries 42
Mean −0.0147
Std Dev 0.8497
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

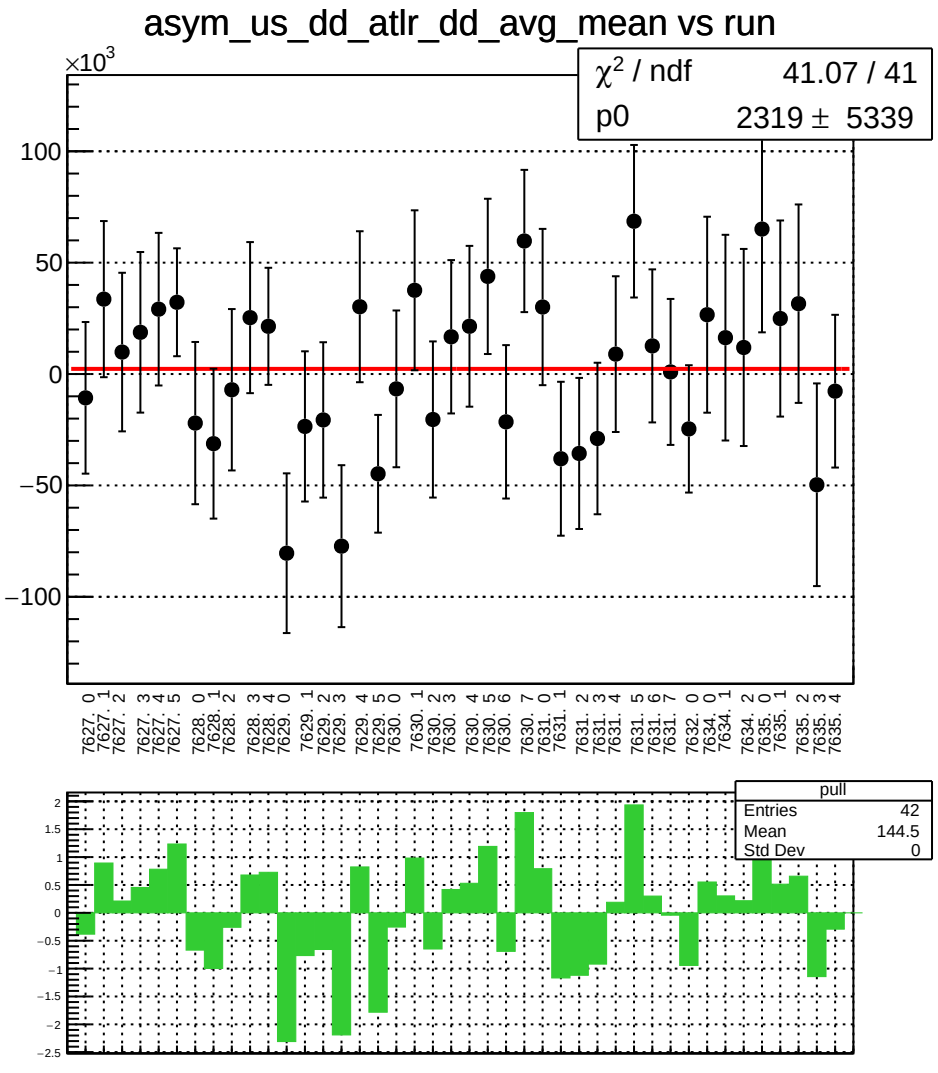

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.316e+04 / 41
p0 2793 ± 3.095
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

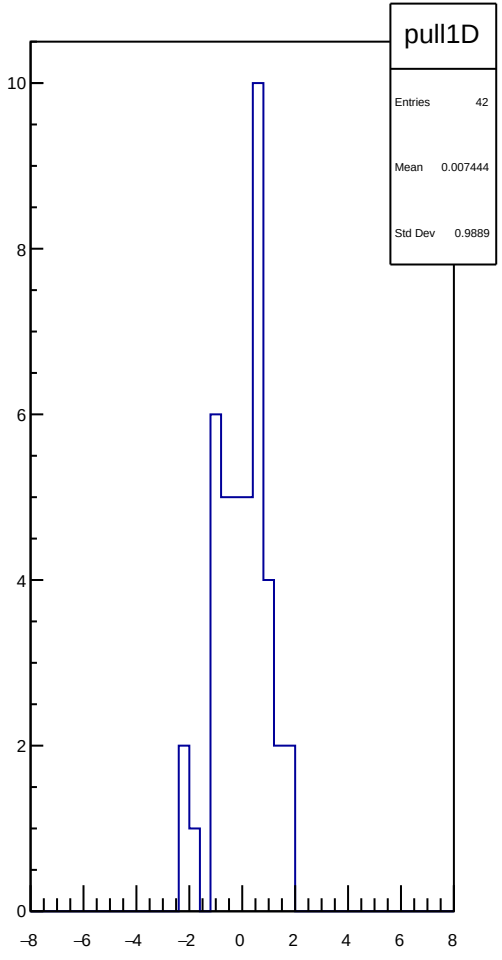

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 64.25 / 41
p0 −400.8 ± 3026
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −944.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.0007491
Std Dev 1.237
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

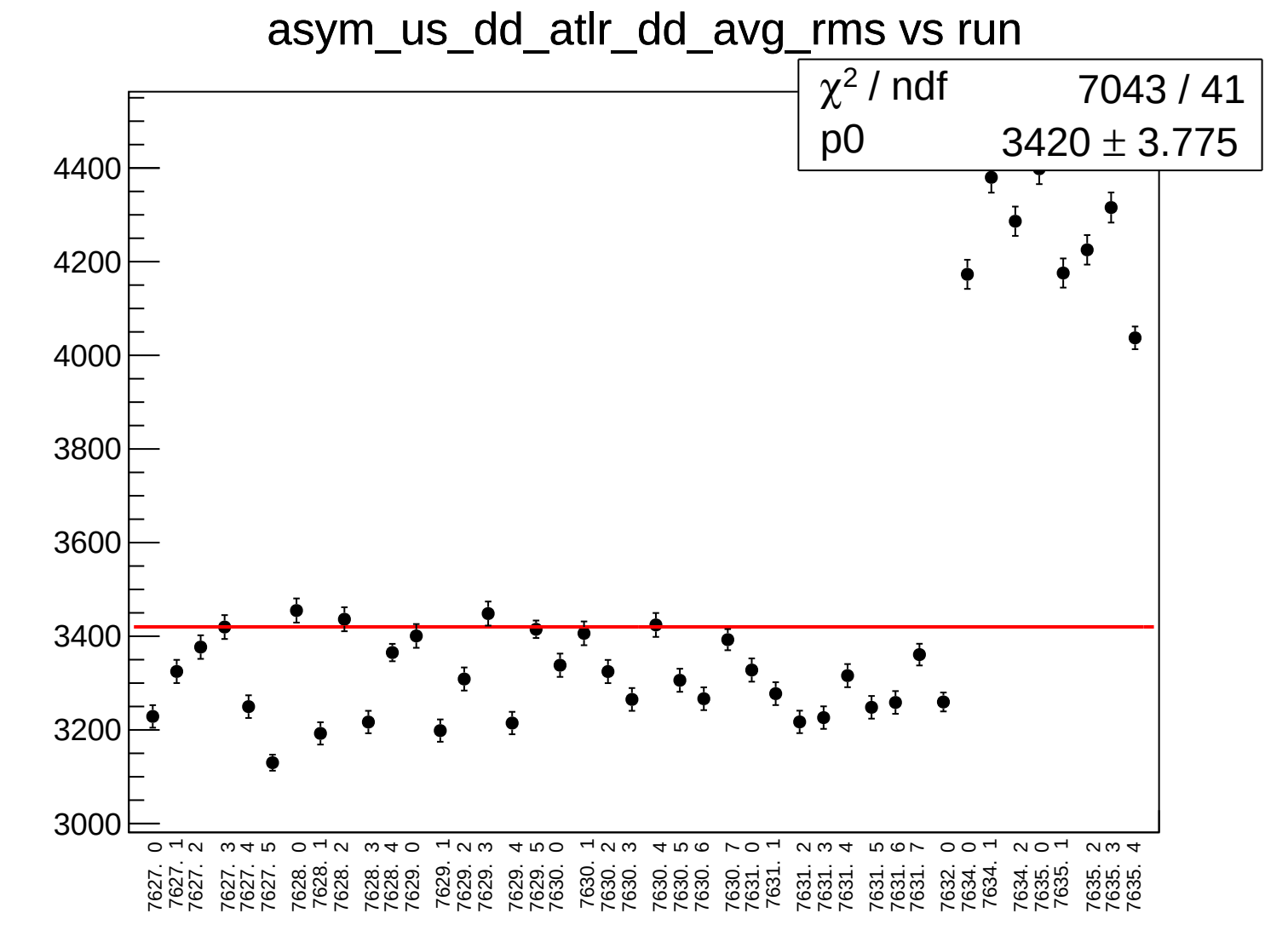

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 104 / 41
p0 1946 ± 2.14
2020
2000
1980
1960
1940
1920
1900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

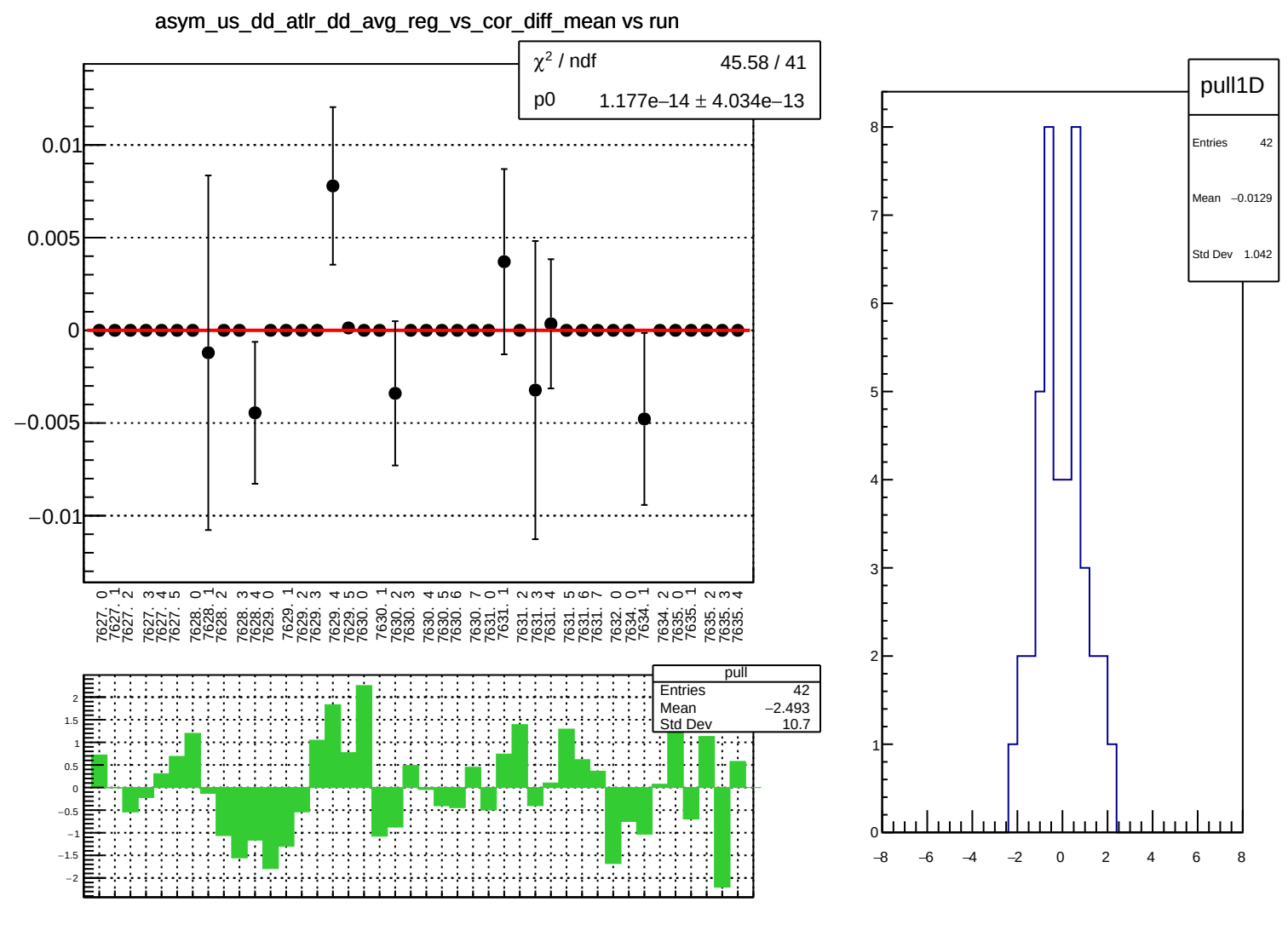

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.33 / 41
p0 −2388 ± 4377
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 133.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.0147
Std Dev 0.8497
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

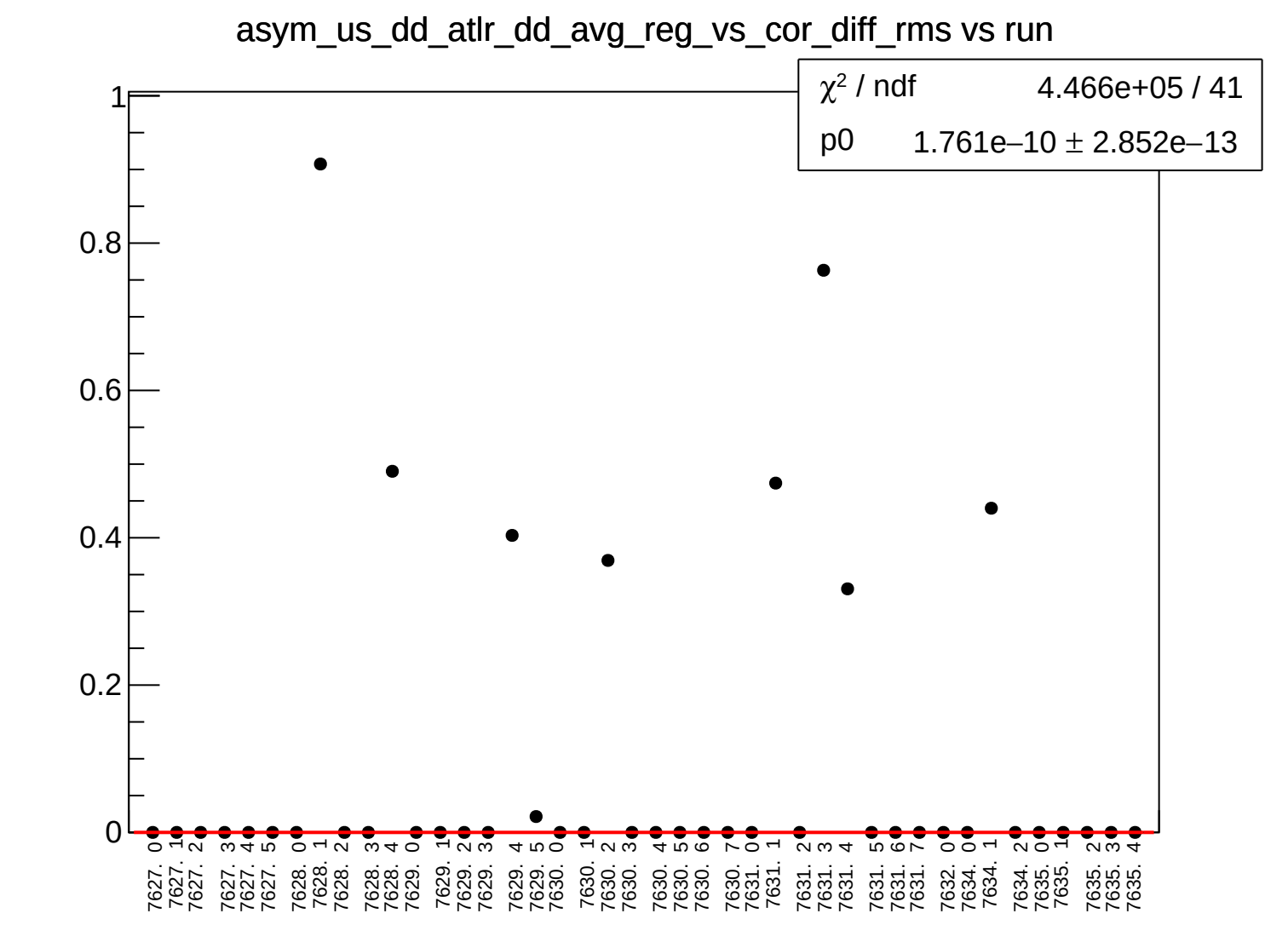

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.316e+04 / 41
p0 2793 ± 3.095
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

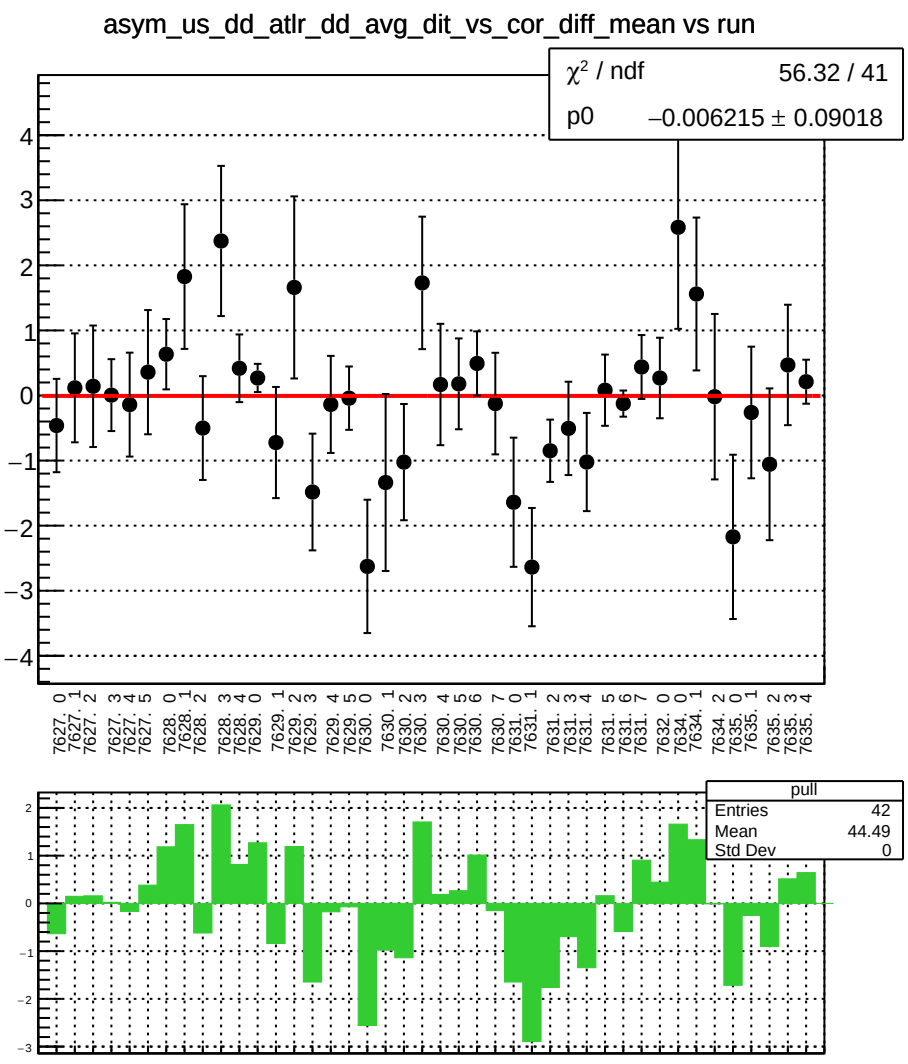

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 41.07 / 41
p0 2319 ± 5339
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 144.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

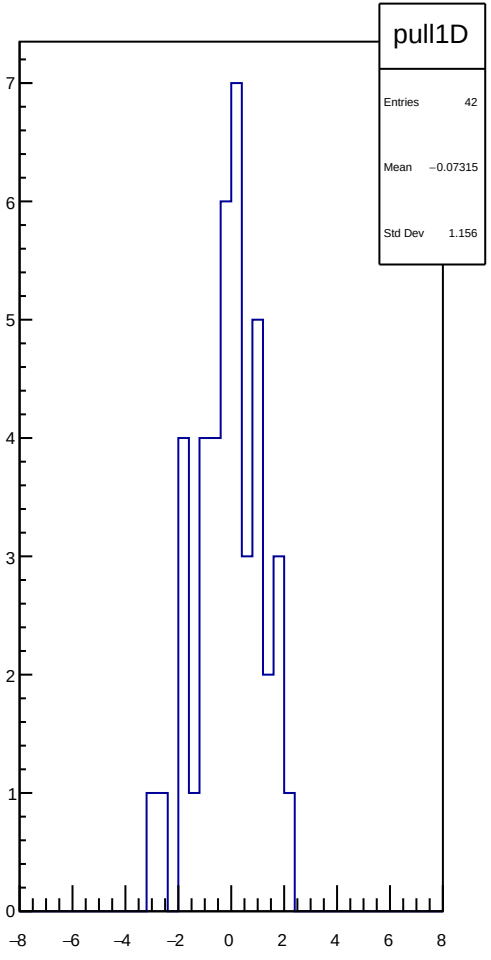

pull1D
Entries 42
Mean 0.007444
Std Dev 0.9889
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

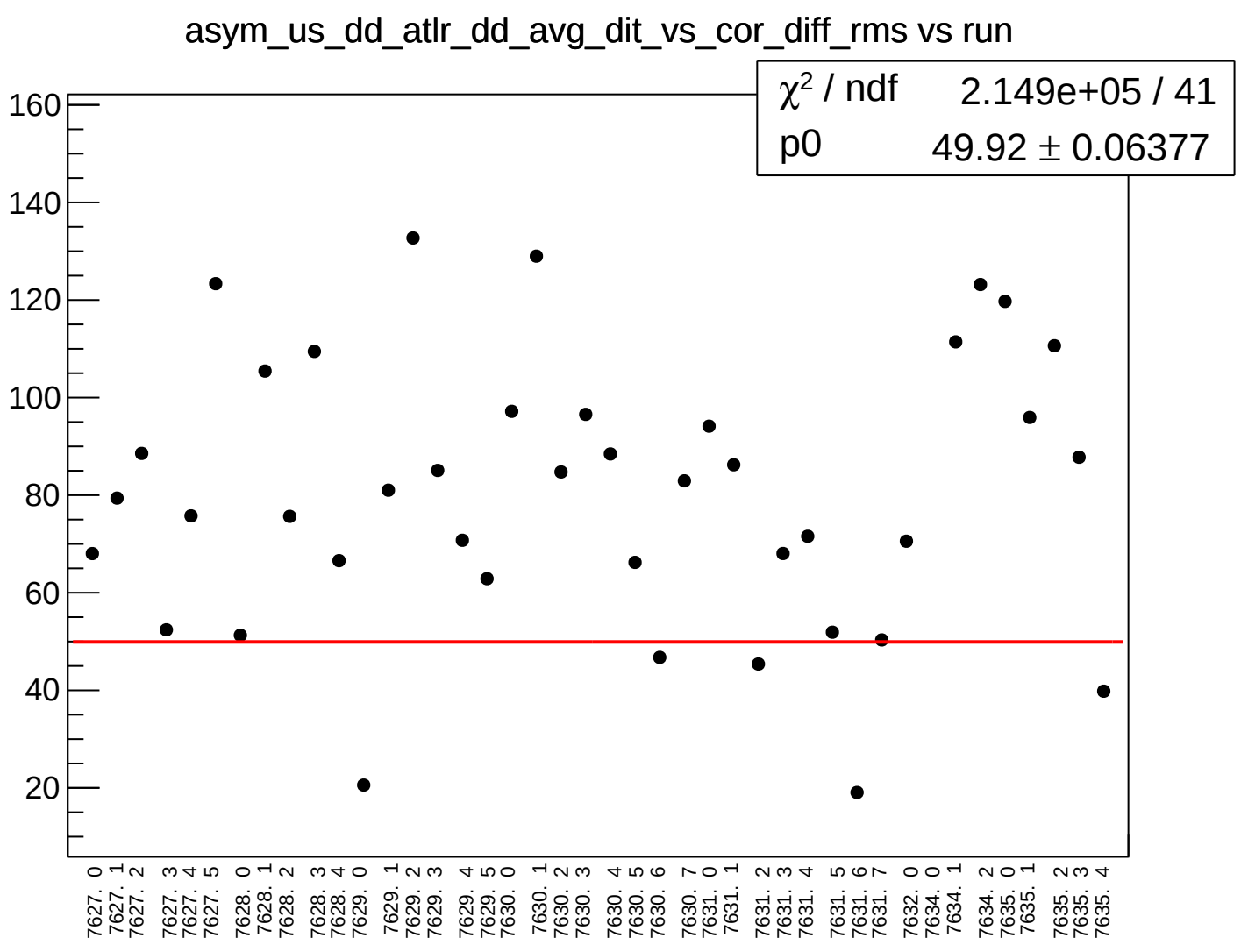

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 7043 / 41
p0 3420 ± 3.775
4400
4200
4000
3800
3600
3400
3200
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.58 / 41
p0 1.177e−14 ± 4.034e−13
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.493
Std Dev 10.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.0129
Std Dev 1.042
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

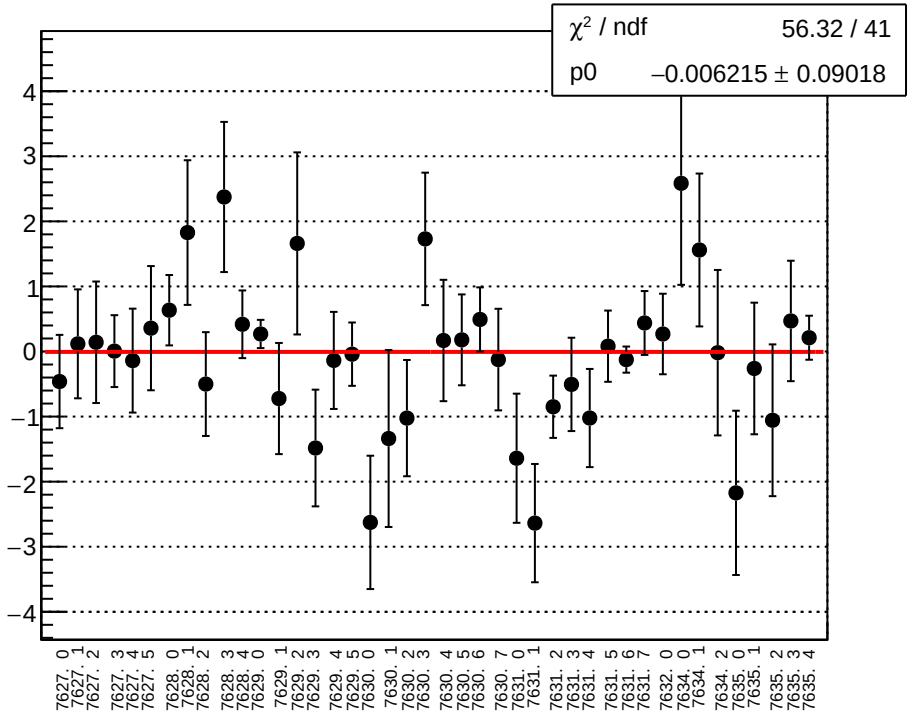

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.466e+05 / 41
p0 1.761e−10 ± 2.852e−13
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

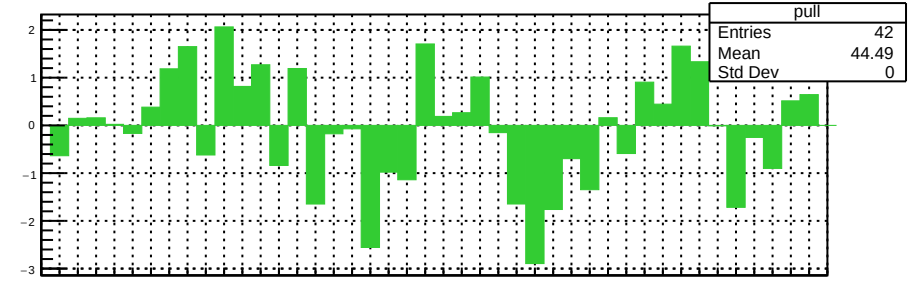

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.32 / 41
p0 −0.006215 ± 0.09018
pull
Entries 42
Mean 44.49
Std Dev 0

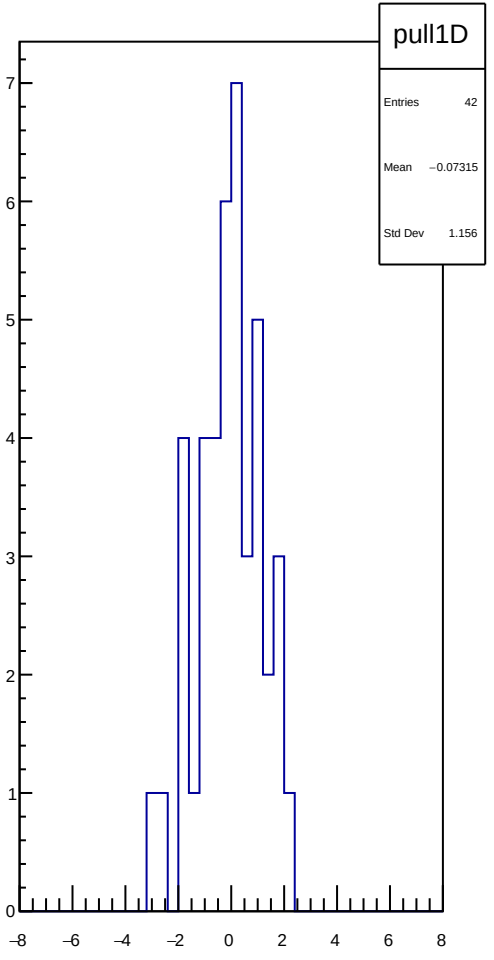

pull1D
Entries 42
Mean −0.07315
Std Dev 1.156

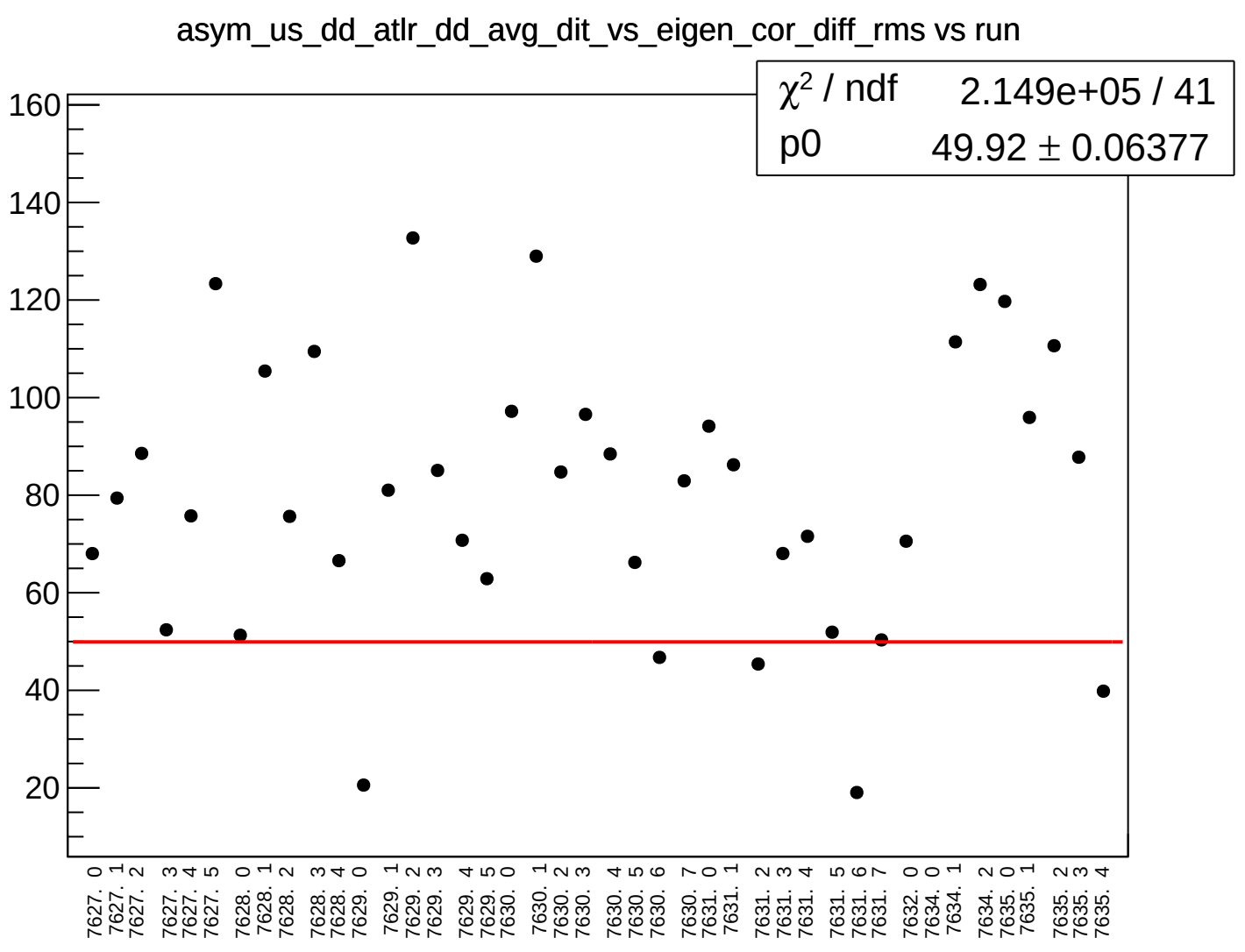

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.149e+05 / 41
p0 49.92 ± 0.06377
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

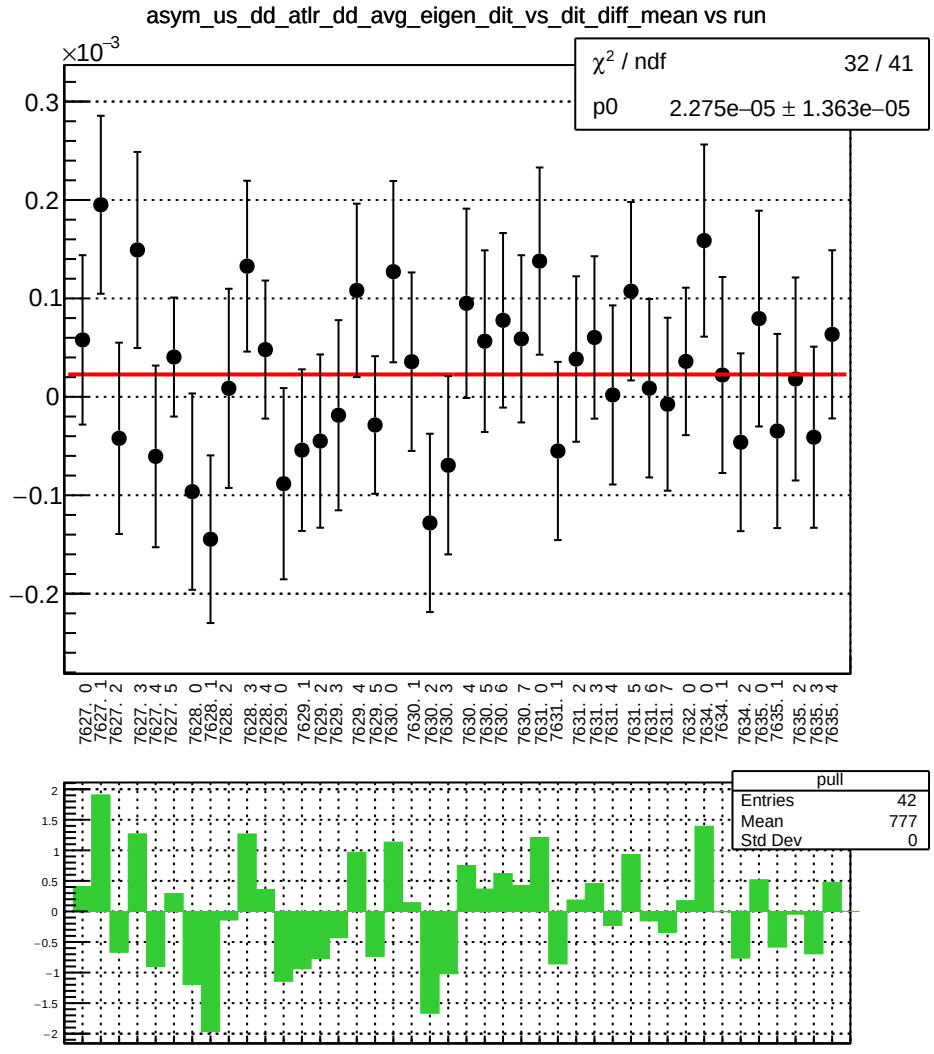
asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run

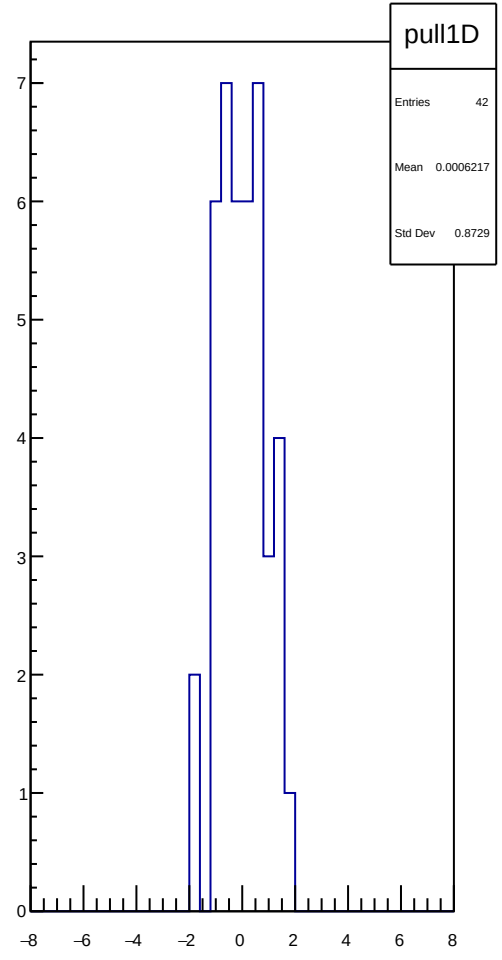


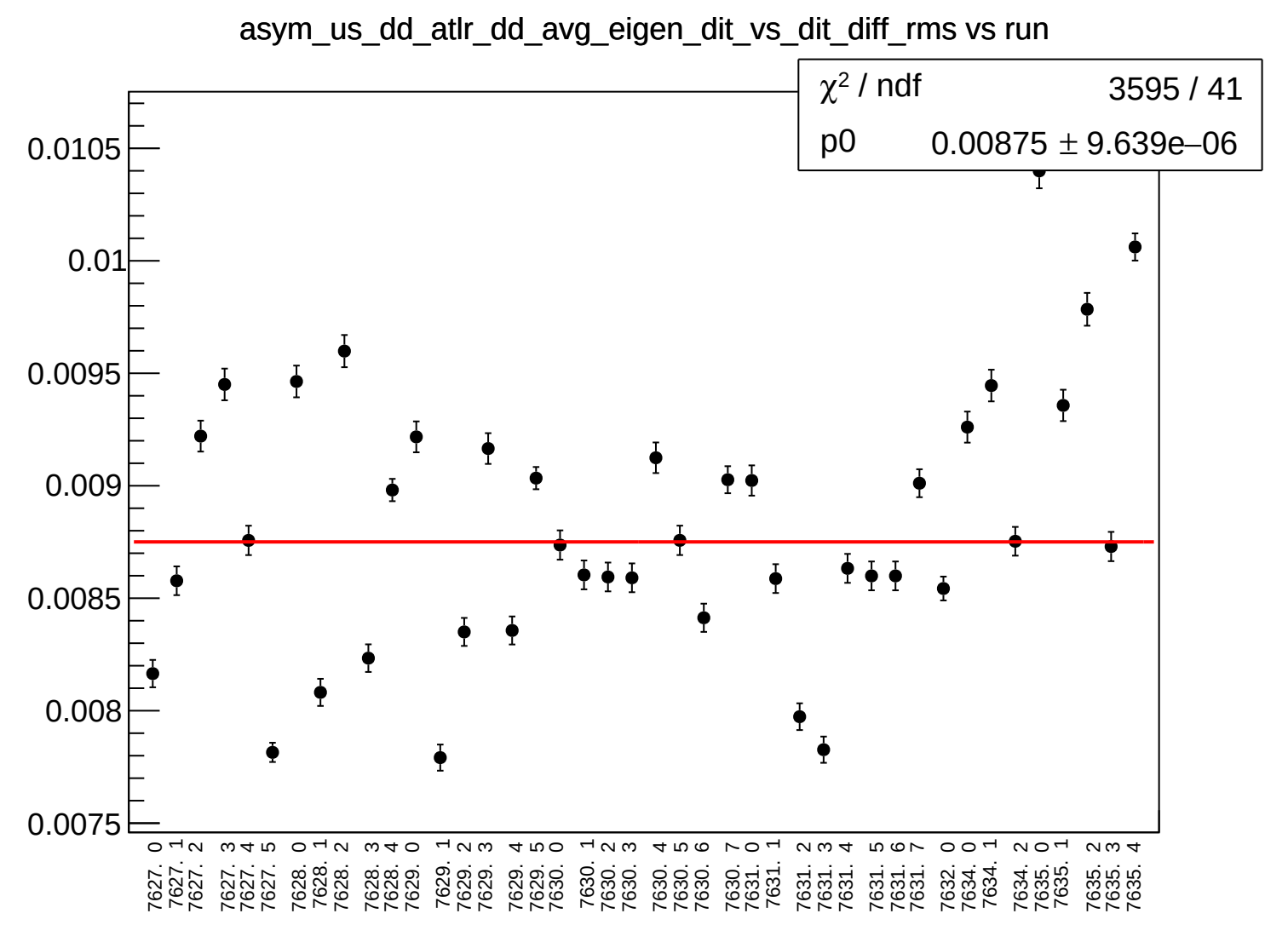


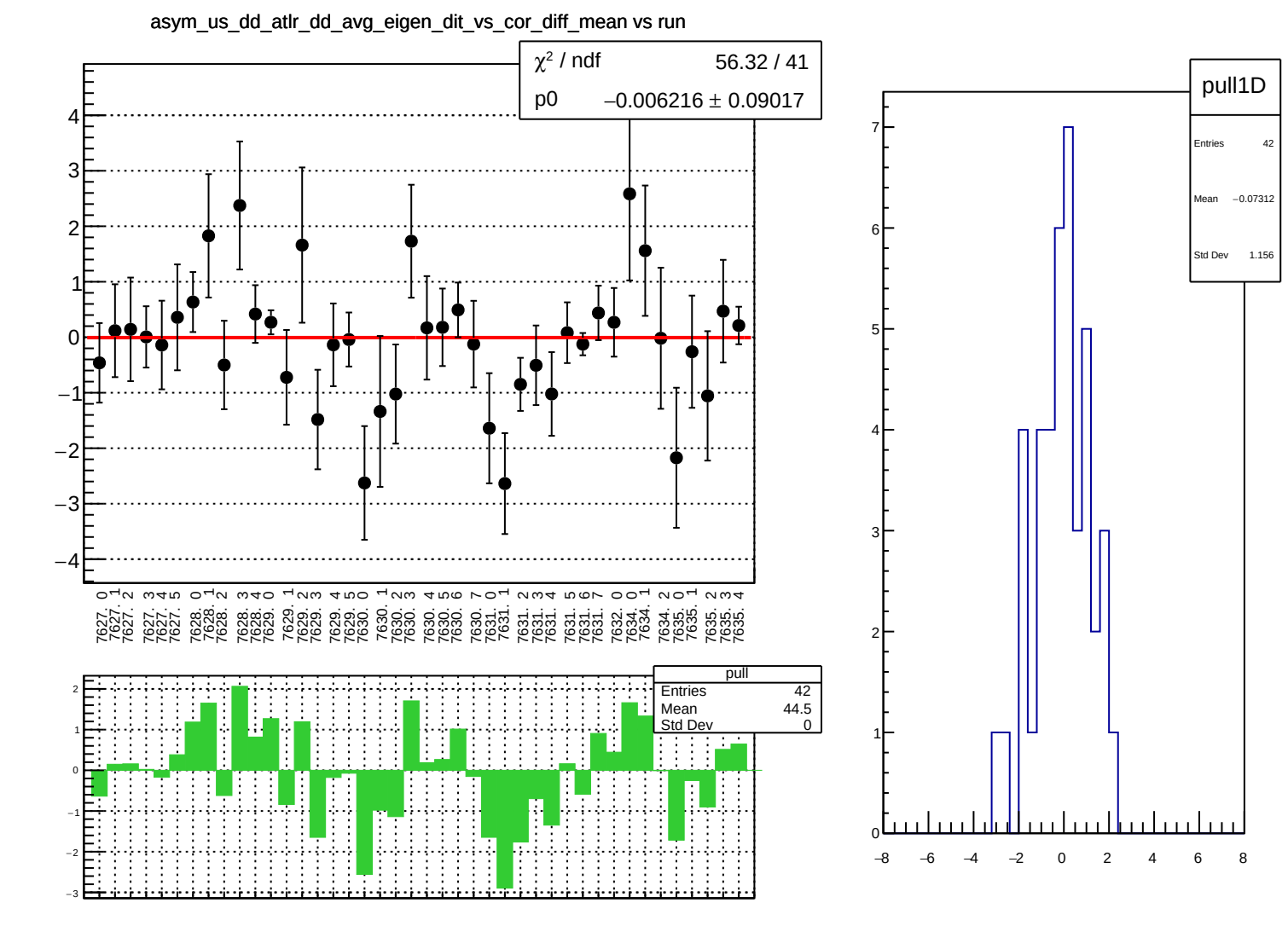


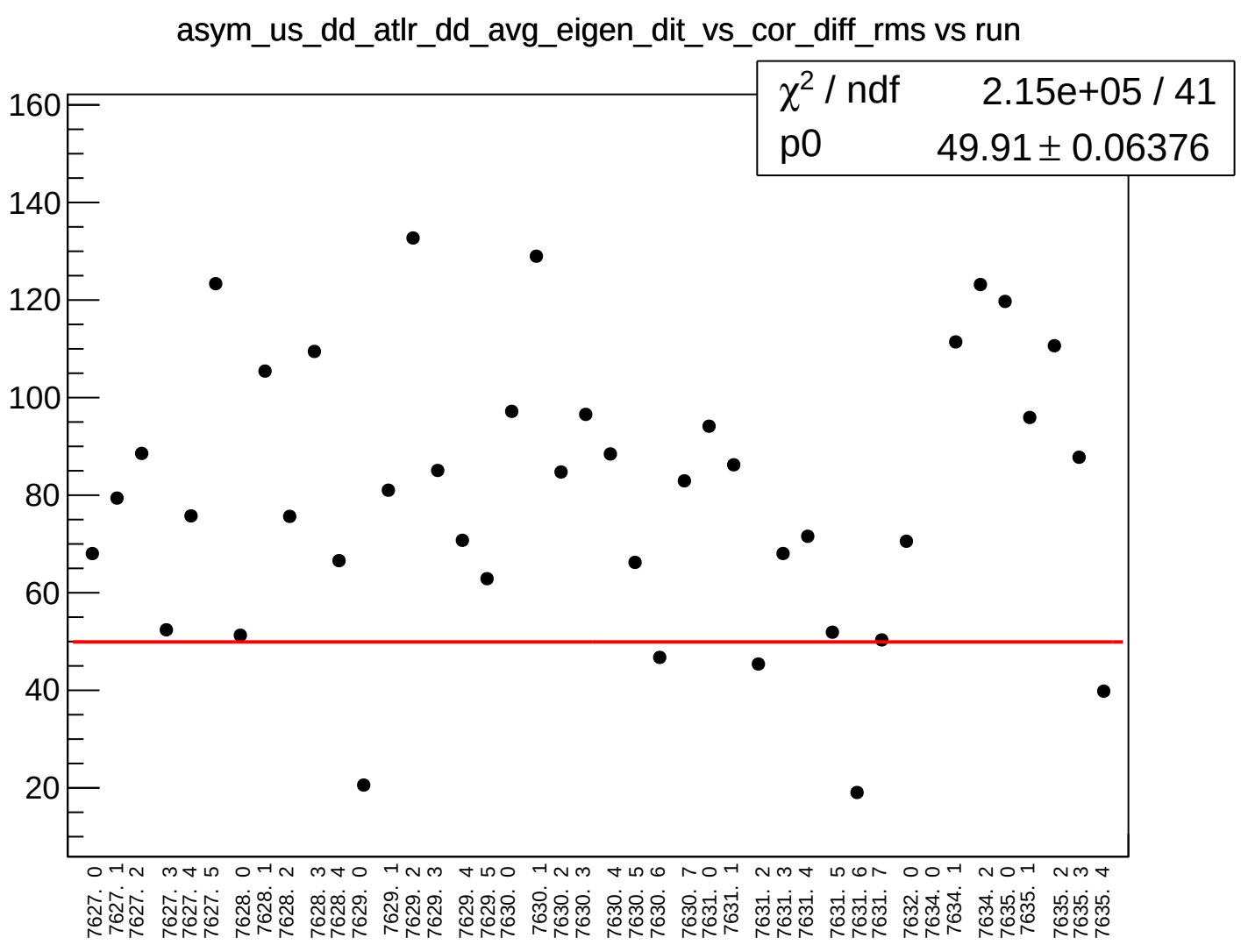

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.149e+05 / 41
p0 49.92 ± 0.06377
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

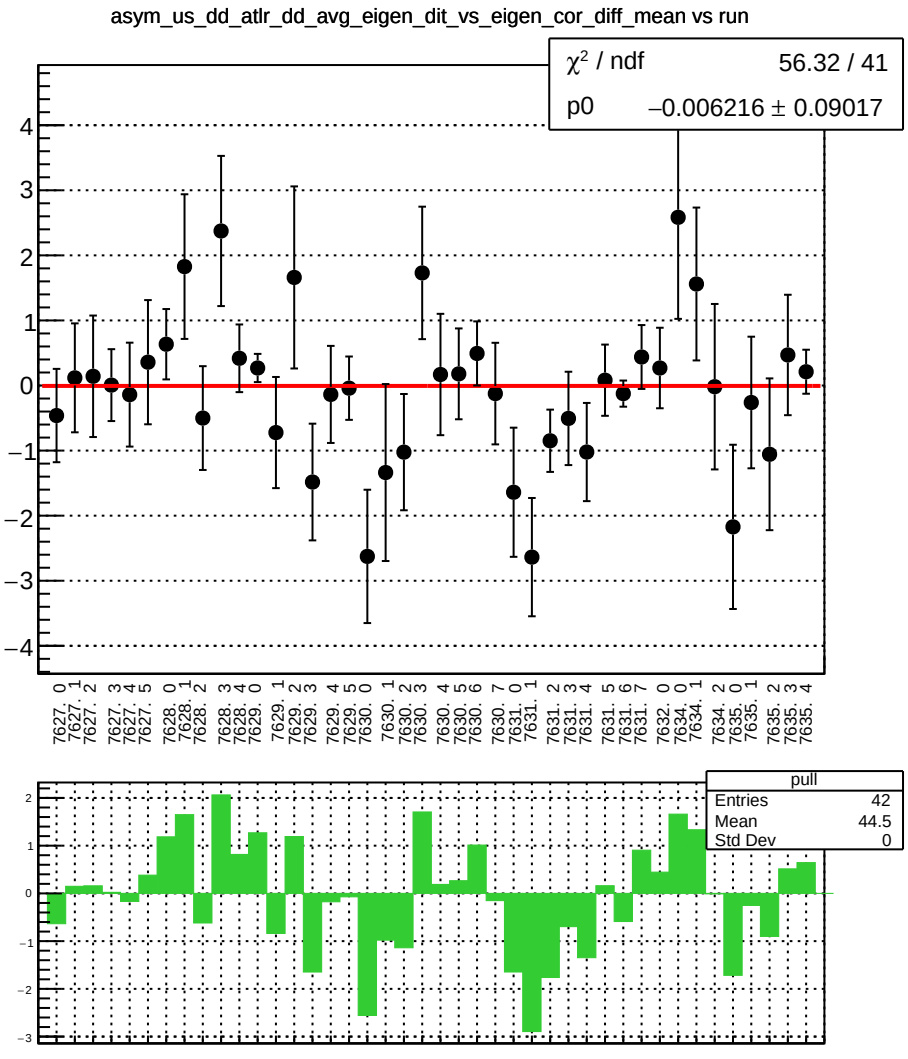

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32 / 41
p0 2.275e−05 ± 1.363e−05
pull
Entries 42
Mean 777
Std Dev 0

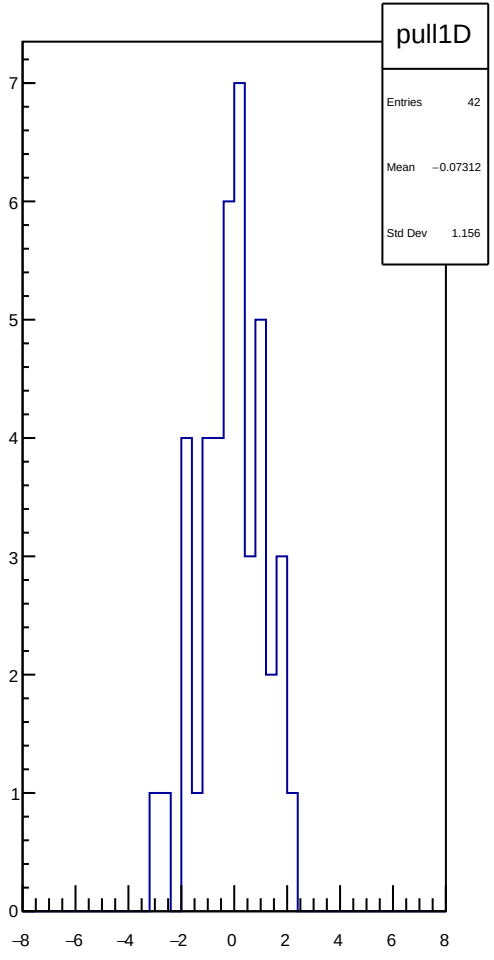

pull1D
Entries 42
Mean 0.0006217
Std Dev 0.8729

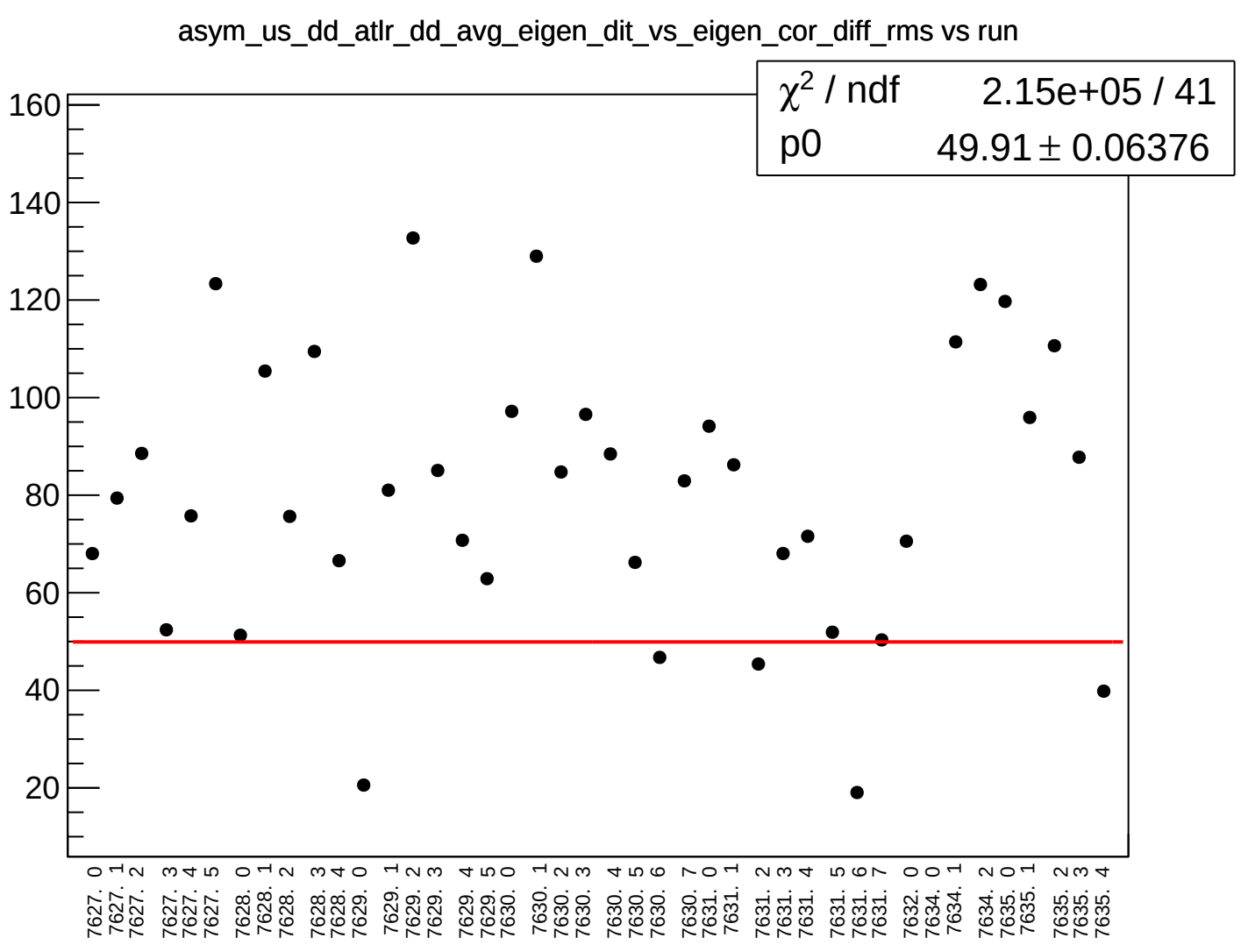

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3595 / 41
p0 0.00875 ± 9.639e–06
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

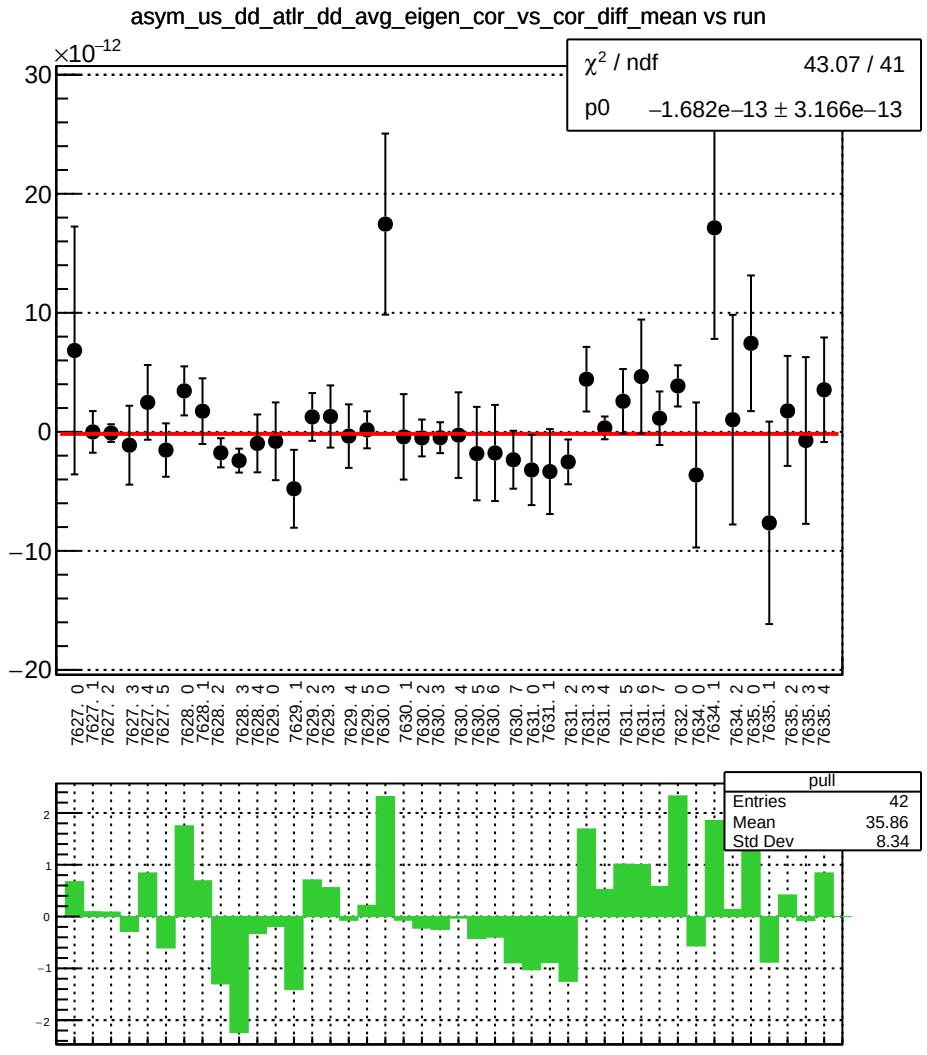

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.32 / 41
p0 −0.006216 ± 0.09017
pull
Entries 42
Mean 44.5
Std Dev 0
pull1D
Entries 42
Mean −0.07312
Std Dev 1.156

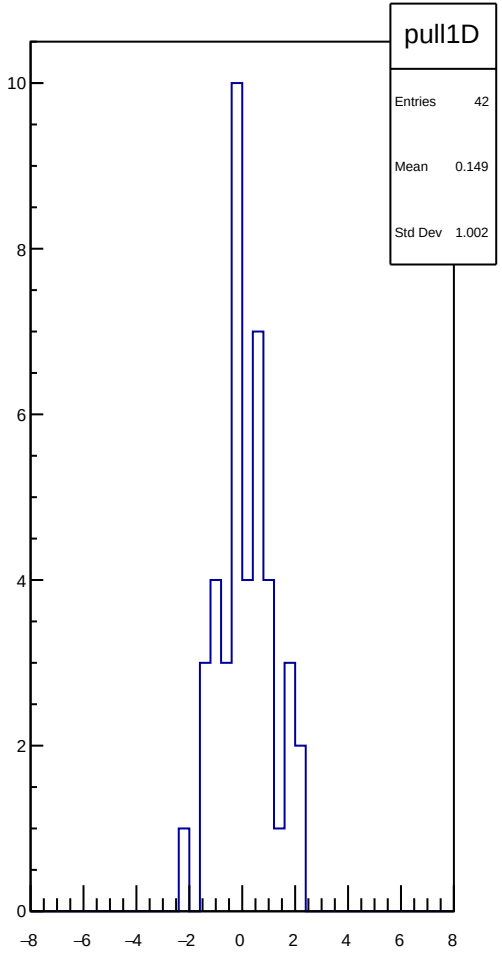

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.15e+05 / 41
p0 49.91 ± 0.06376
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

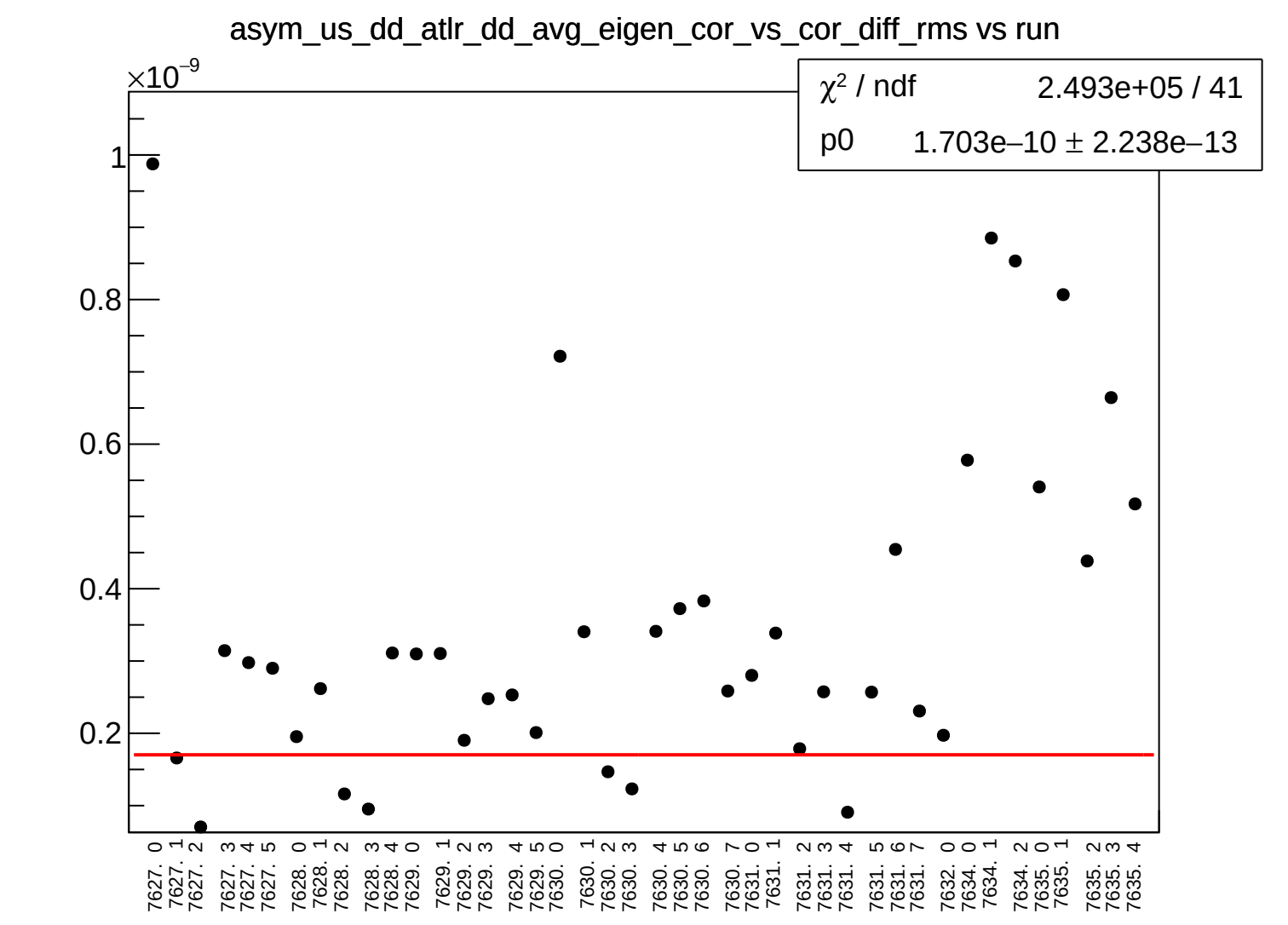

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.32 / 41
p0 −0.006216 ± 0.09017
pull
Entries 42
Mean 44.5
Std Dev 0

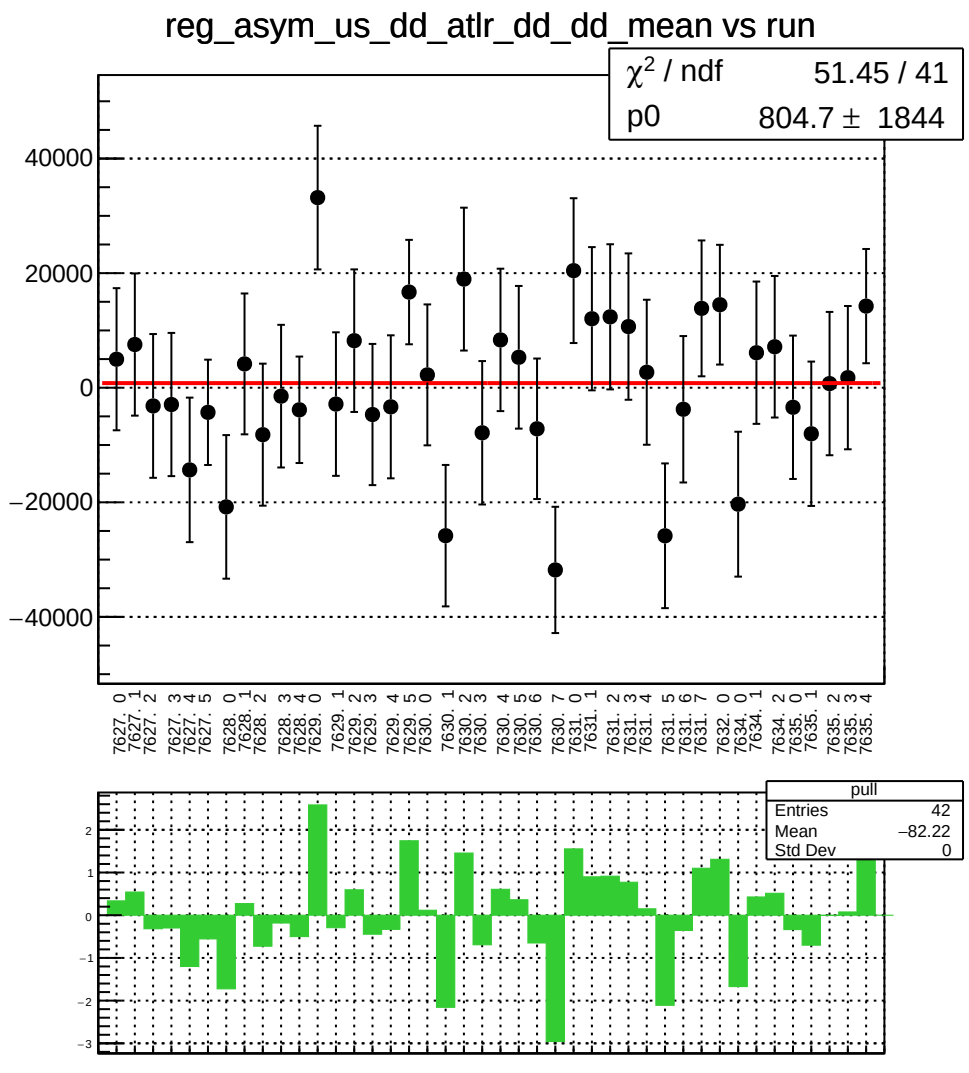

pull1D
Entries 42
Mean −0.07312
Std Dev 1.156

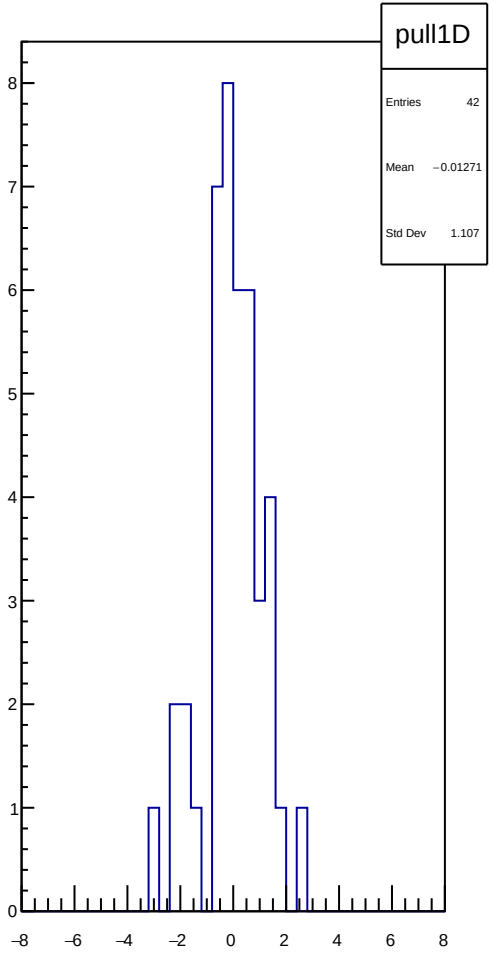

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.15e+05 / 41
p0 49.91 ± 0.06376
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

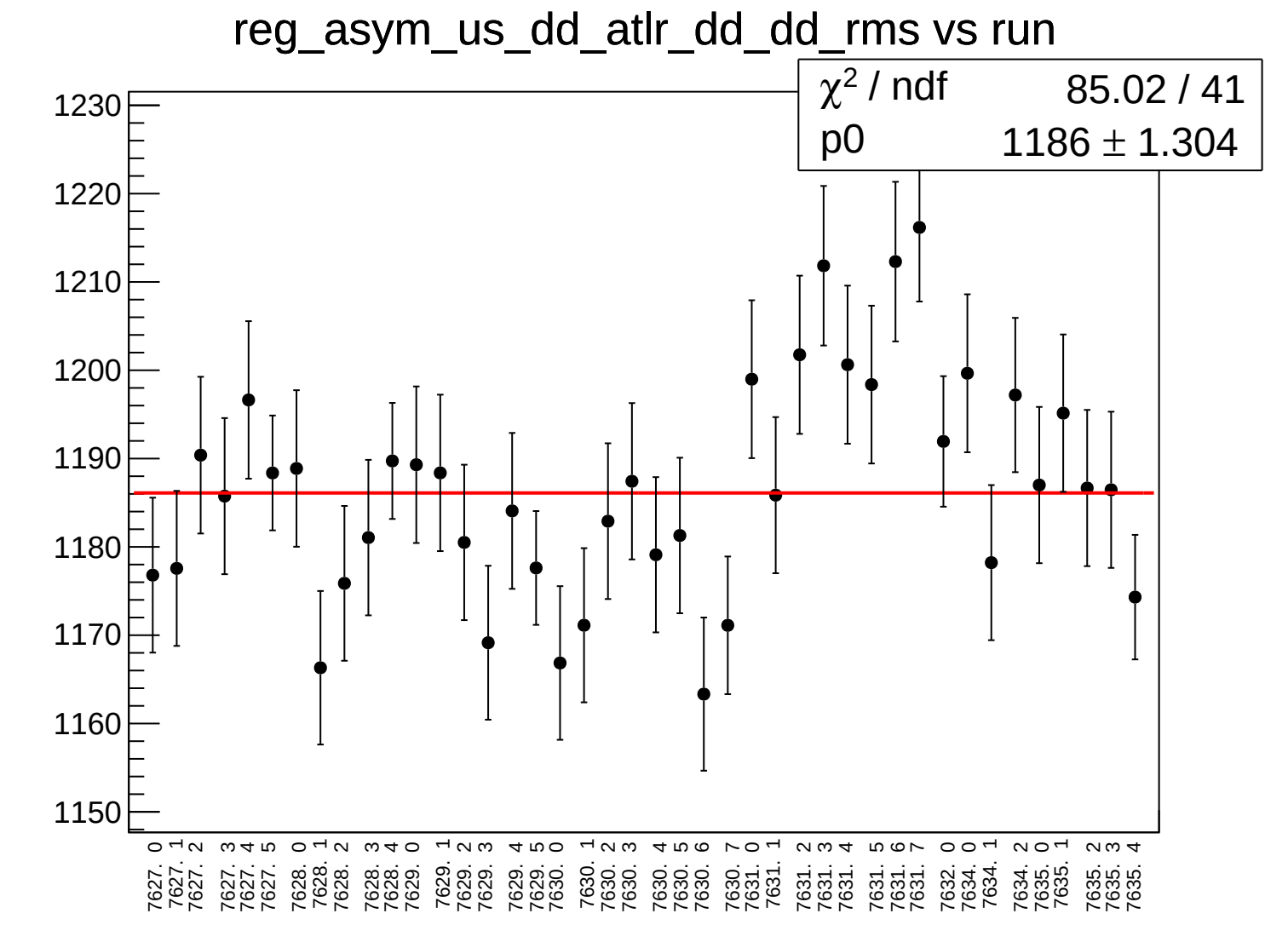

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.07 / 41
p0 −1.682e−13 ± 3.166e−13
pull
Entries 42
Mean 35.86
Std Dev 8.34

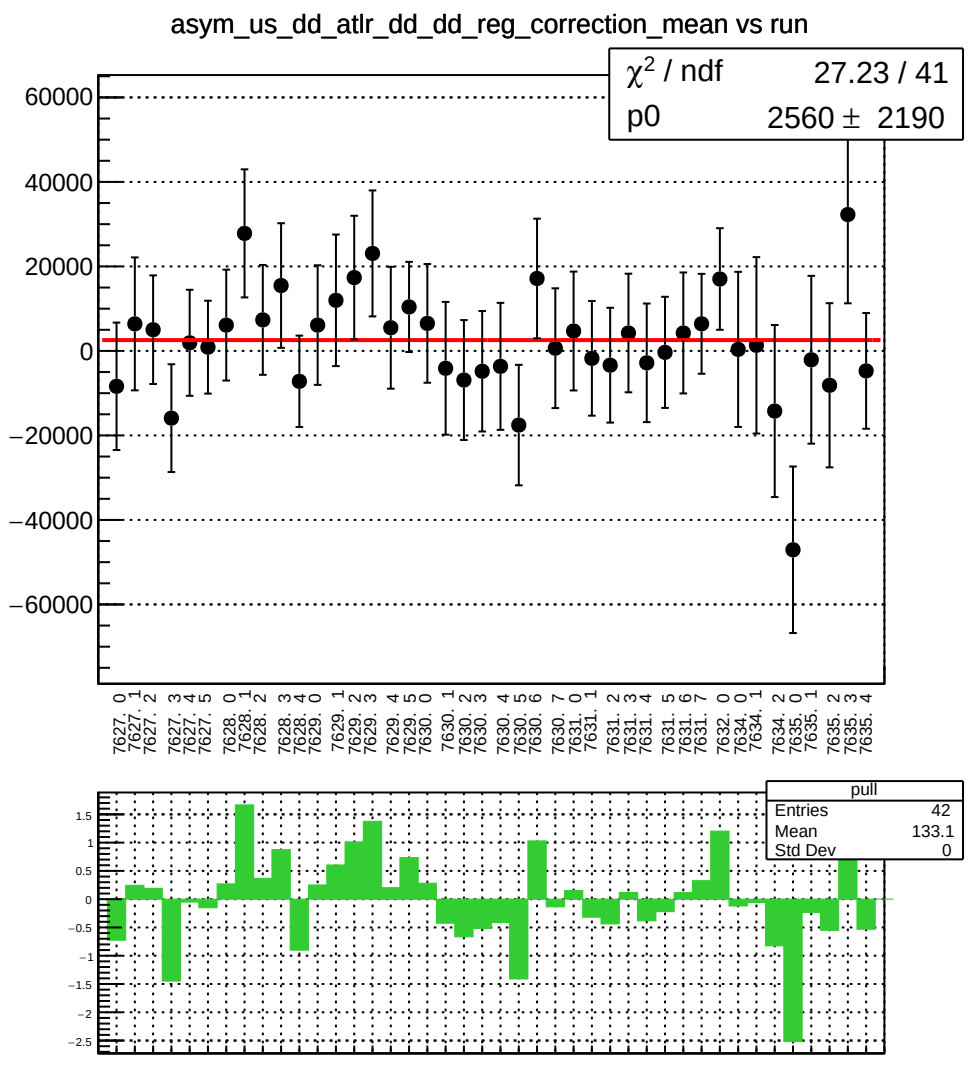

pull1D
Entries 42
Mean 0.149
Std Dev 1.002

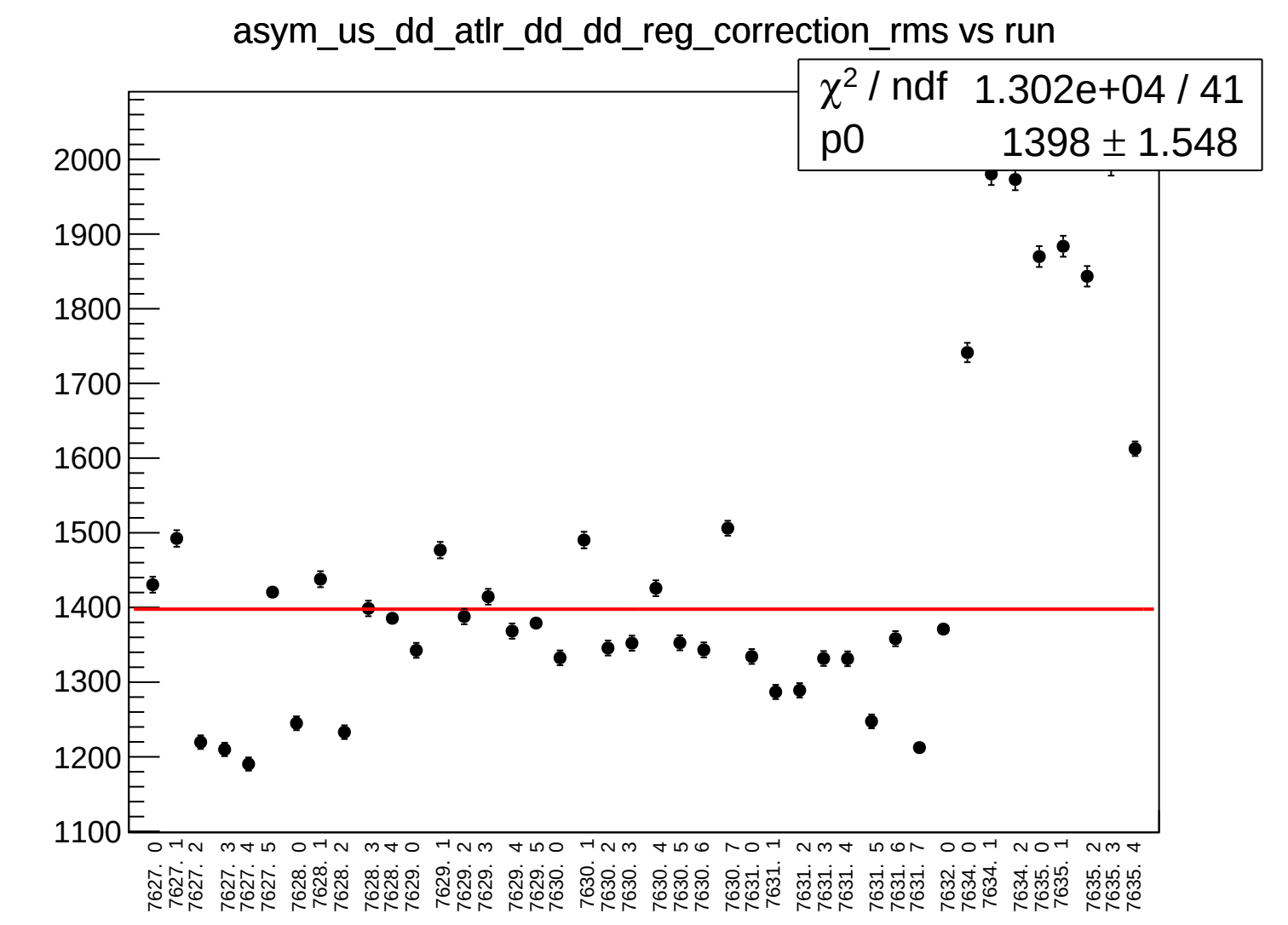

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.493e+05 / 41
p0 1.703e−10 ± 2.238e−13
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

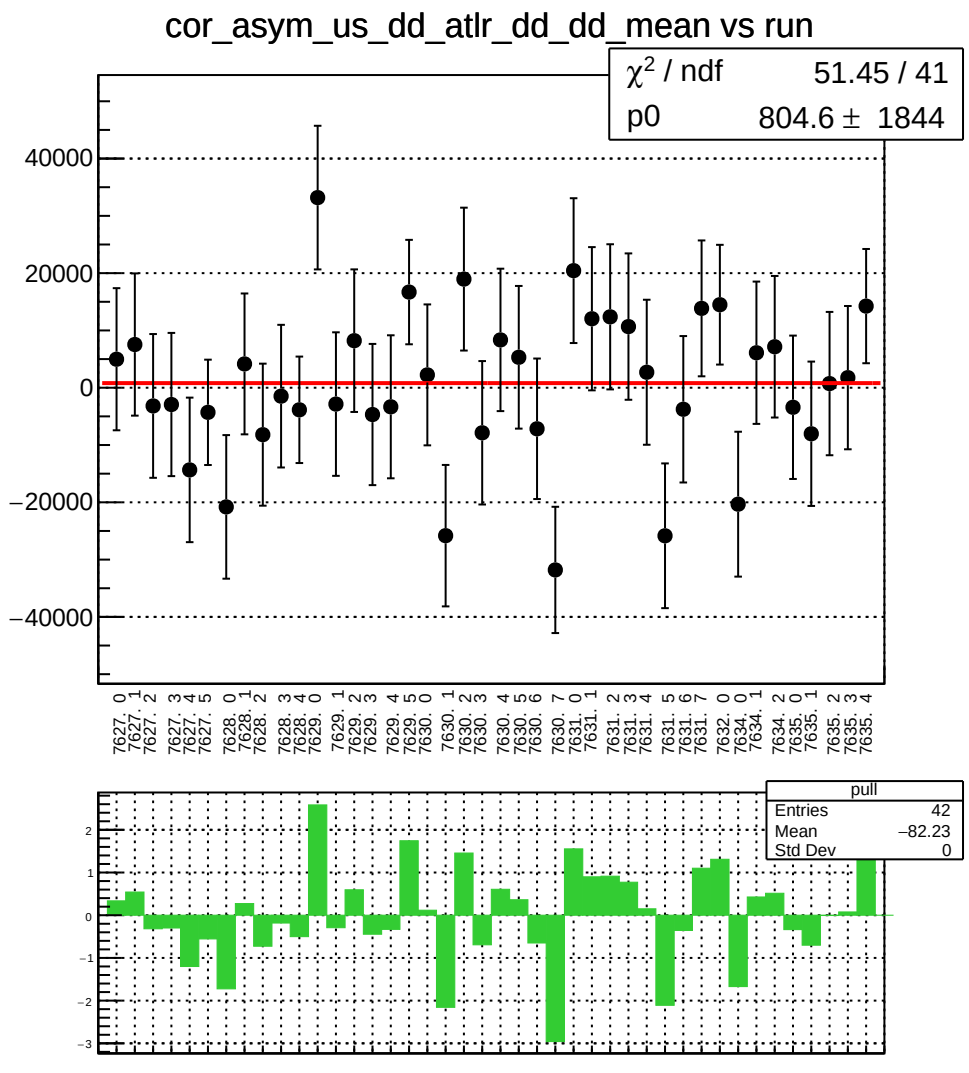

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 51.45 / 41
p0 804.7 ± 1844
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −82.22
Std Dev 0
2
1
0
−1
−2
−3

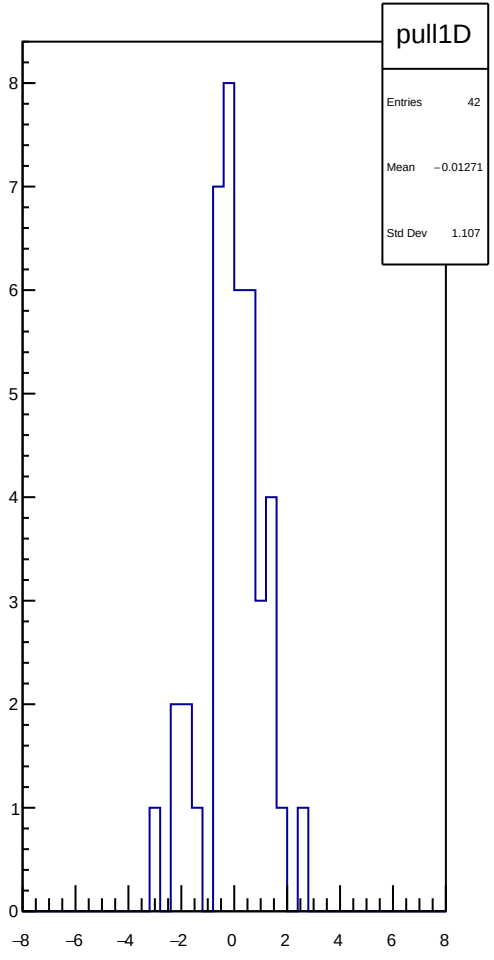

pull1D
Entries 42
Mean −0.01271
Std Dev 1.107
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

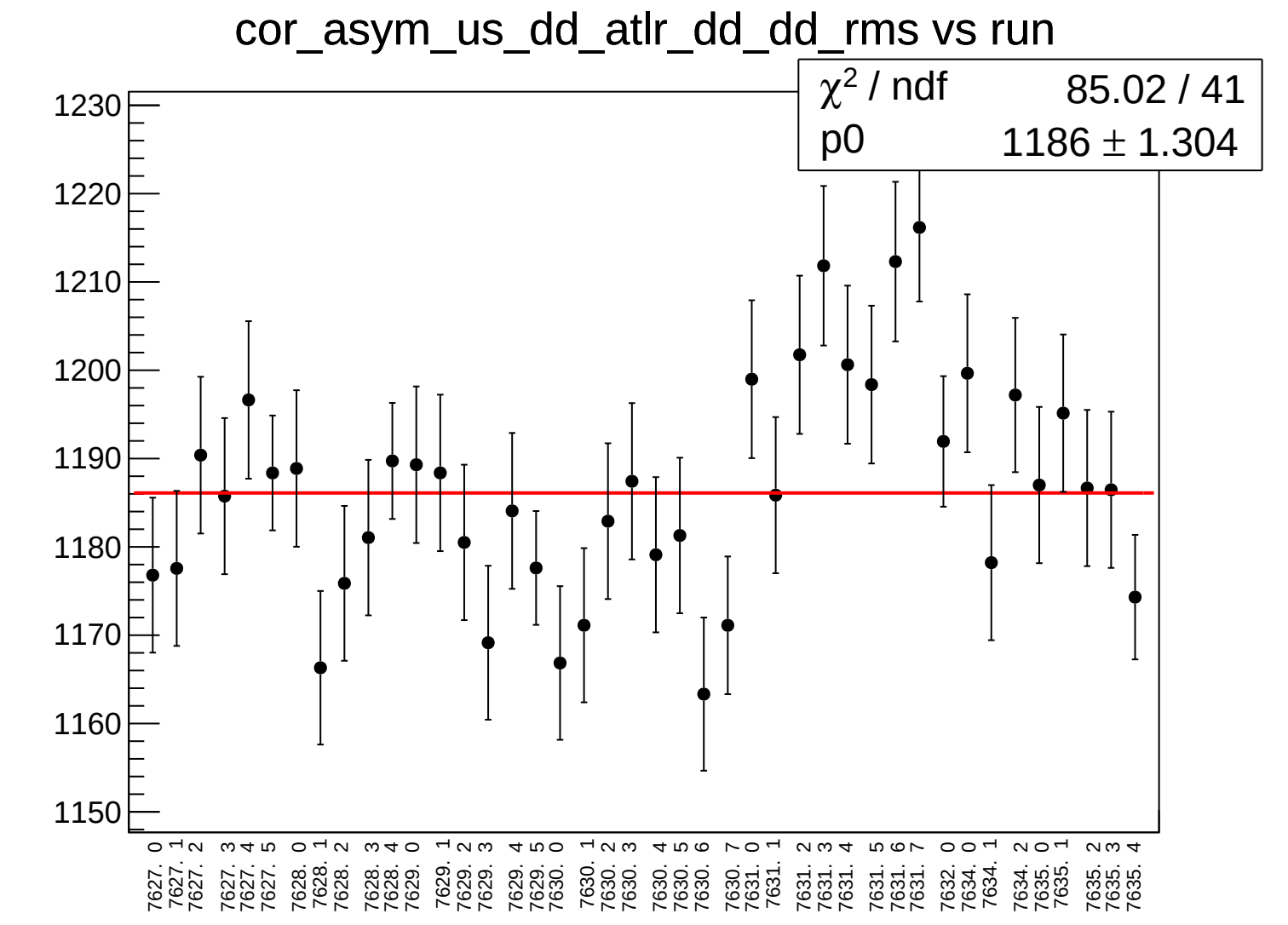

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 85.02 / 41
p0 1186 ± 1.304
1230
1220
1210
1200
1190
1180
1170
1160
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 27.23 / 41
p0 2560 ± 2190
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 133.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01415
Std Dev 0.805
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 1.302e+04 / 41
p0 1398 ± 1.548
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 51.45 / 41
p0 804.6 ± 1844
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −82.23
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.01271
Std Dev 1.107
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 85.02 / 41
p0 1186 ± 1.304
1230
1220
1210
1200
1190
1180
1170
1160
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7632. 0
7634. 0
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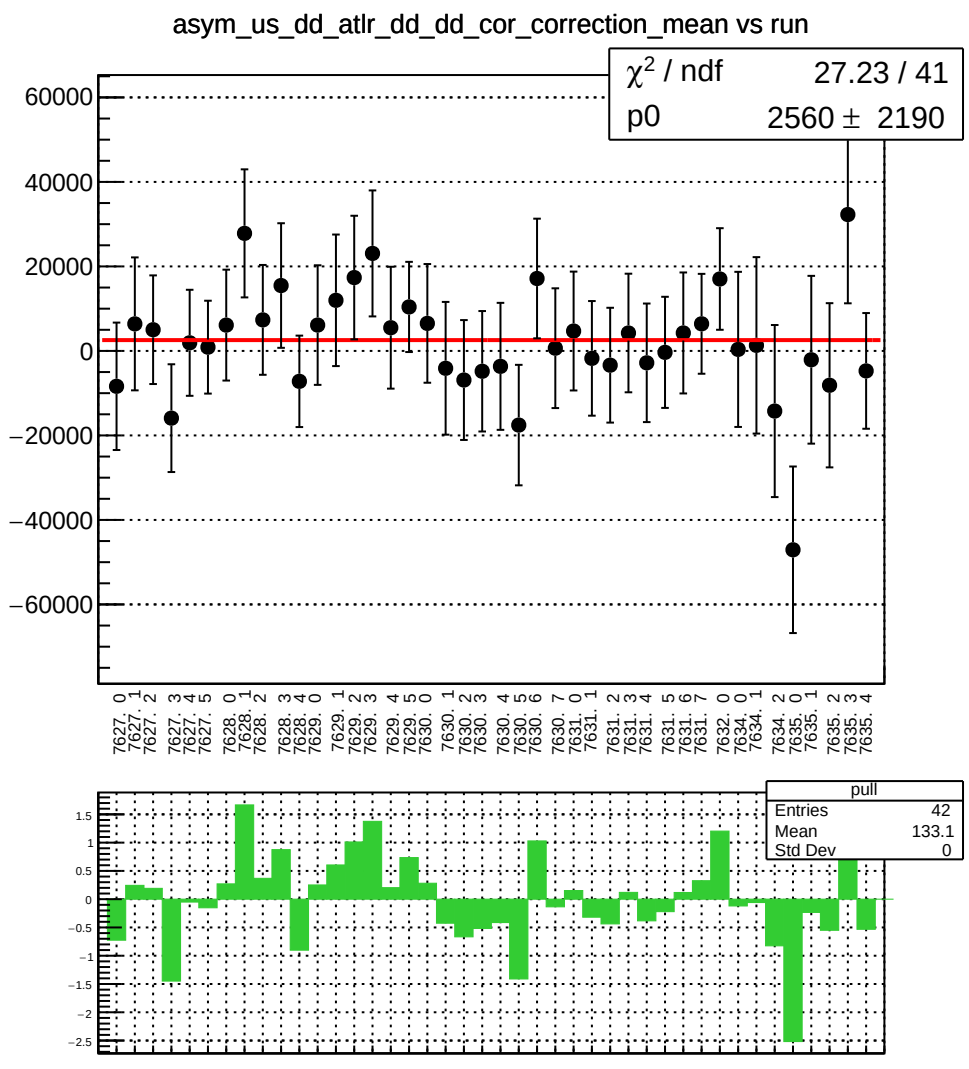
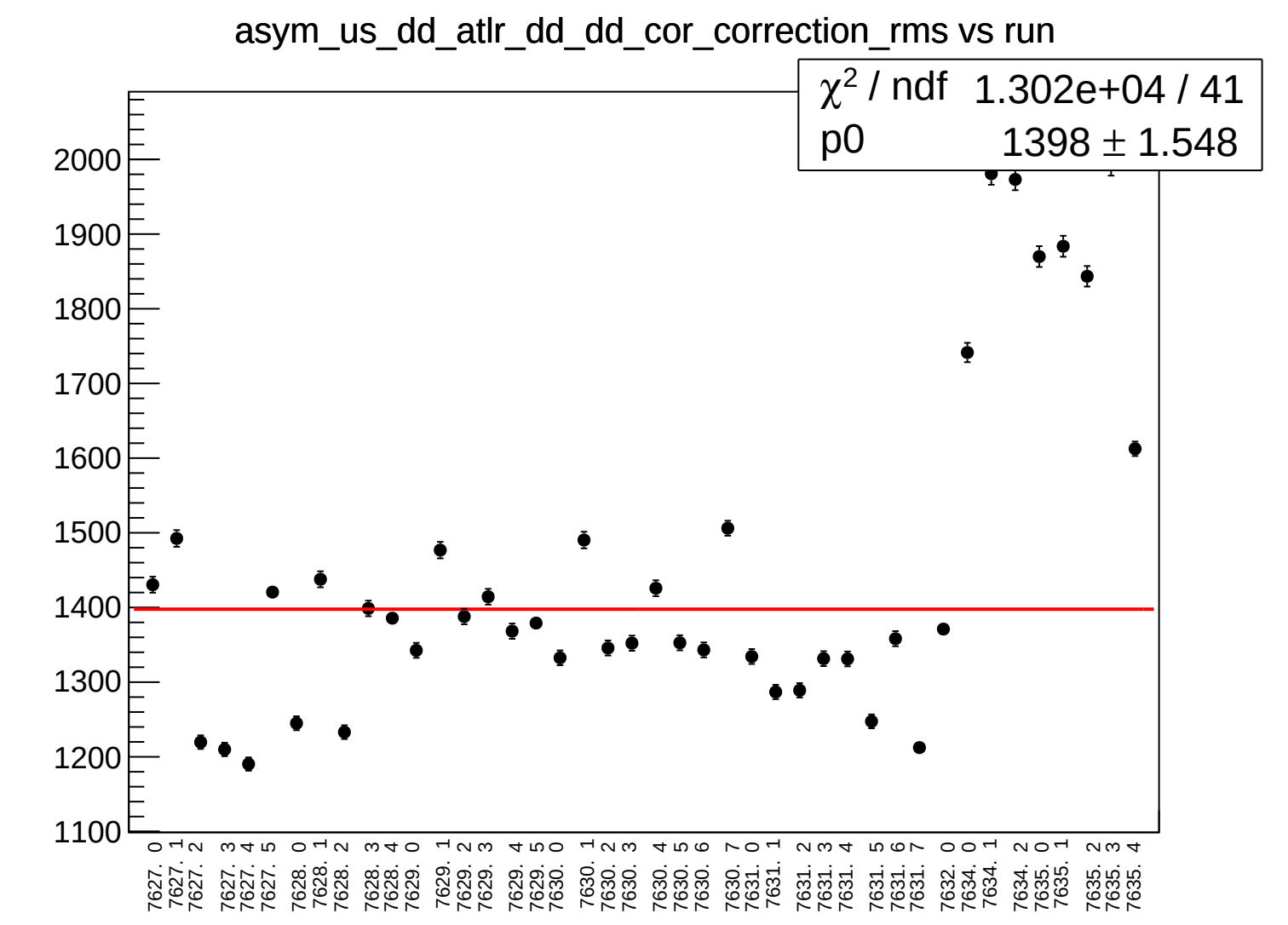
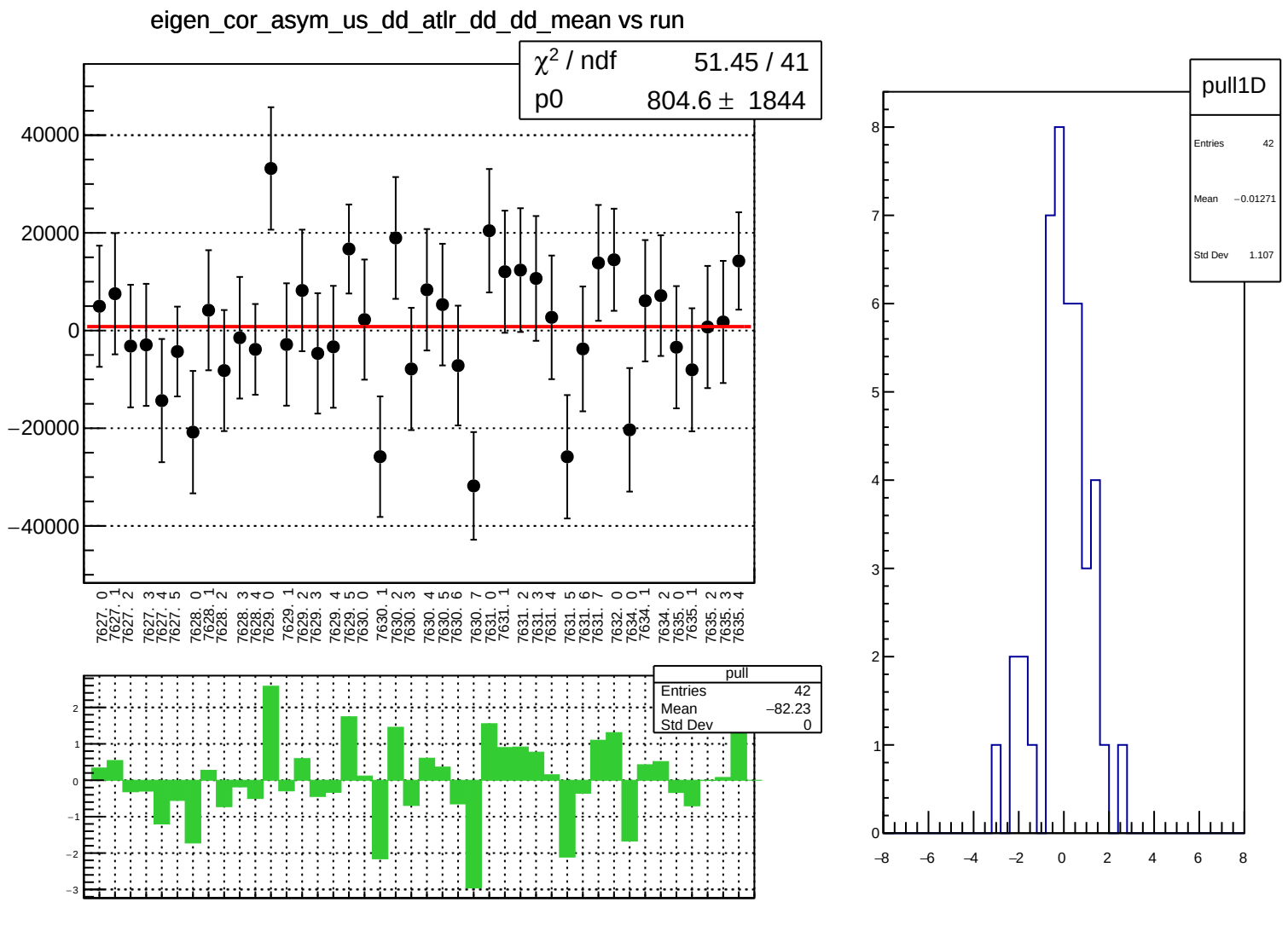
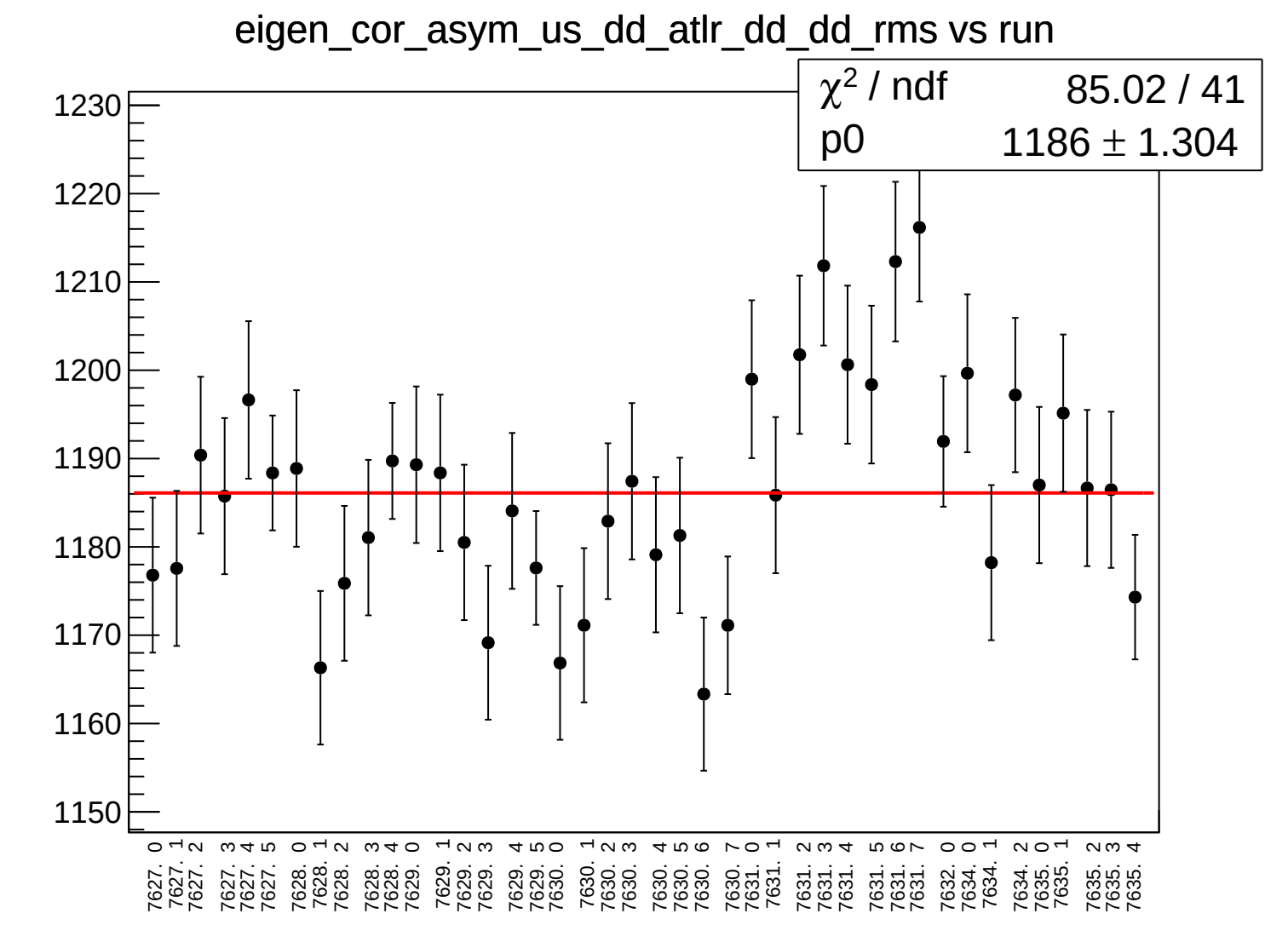
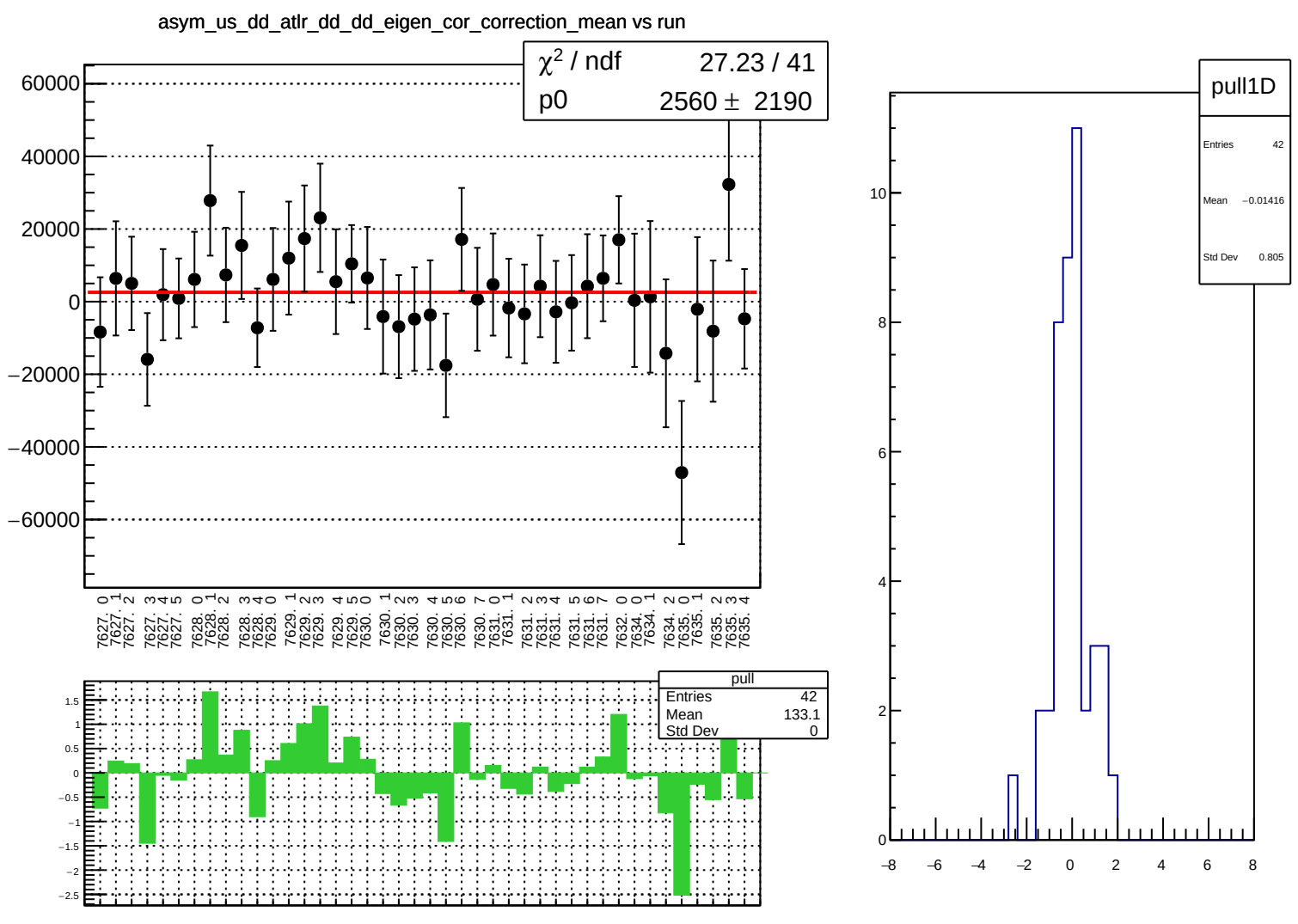
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

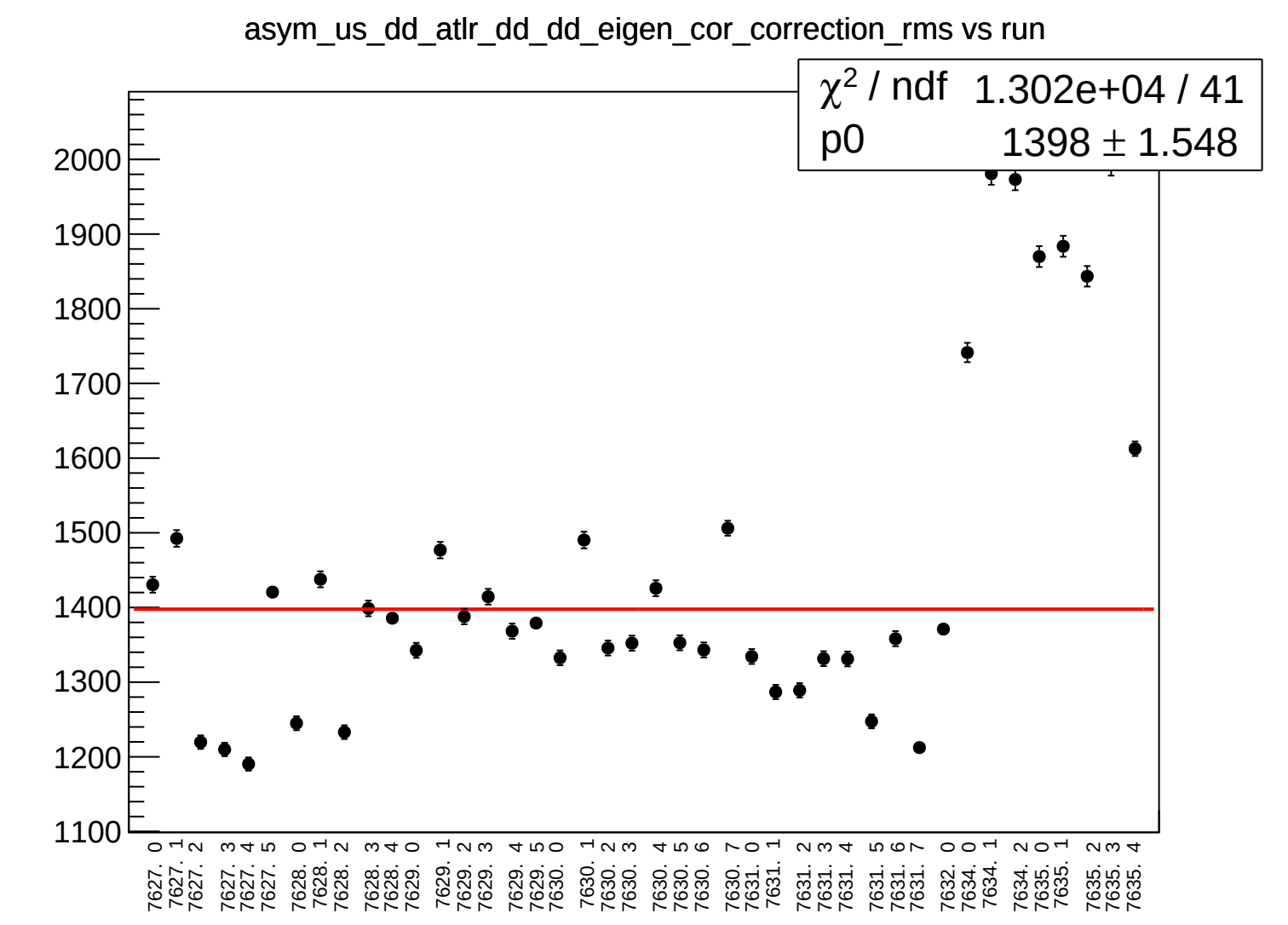

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 27.23 / 41
p0 2560 ± 2190
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 133.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01416
Std Dev 0.805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

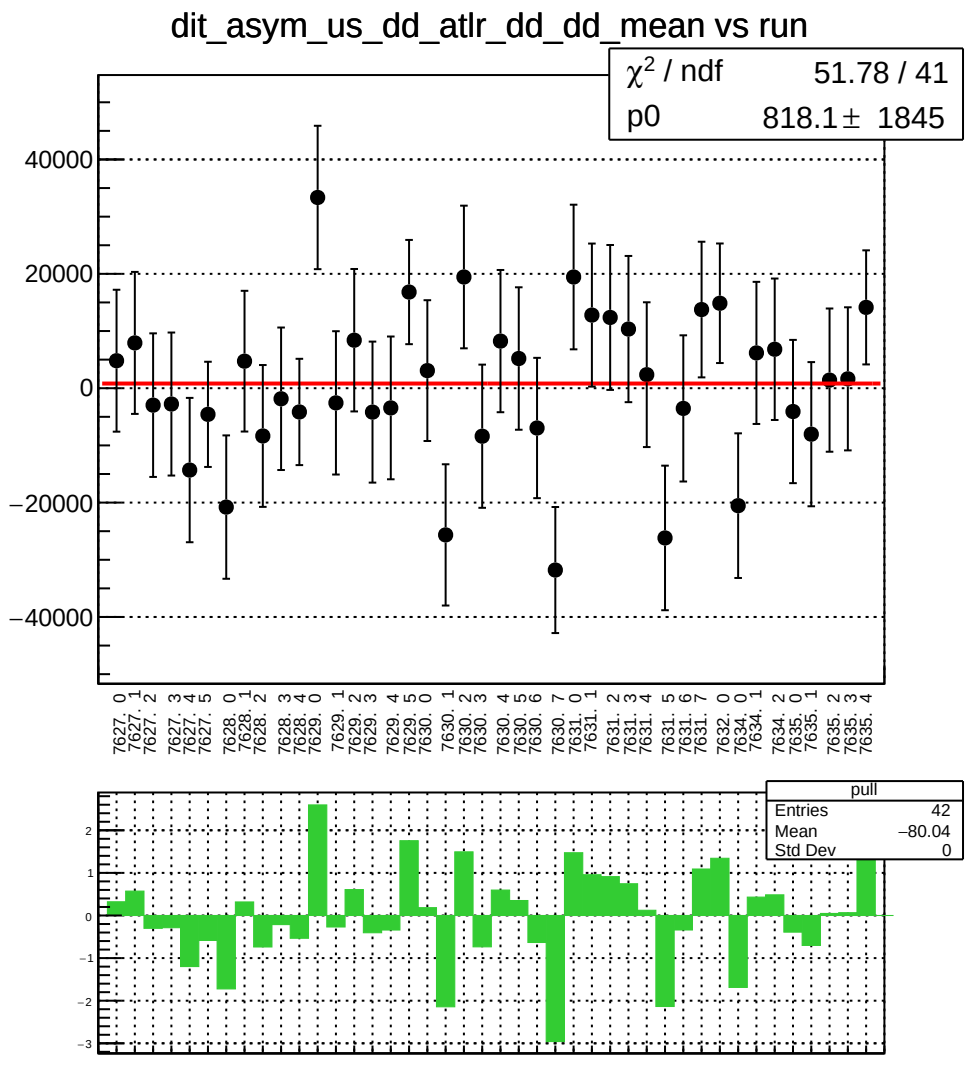

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.302e+04 / 41
p0 1398 ± 1.548
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

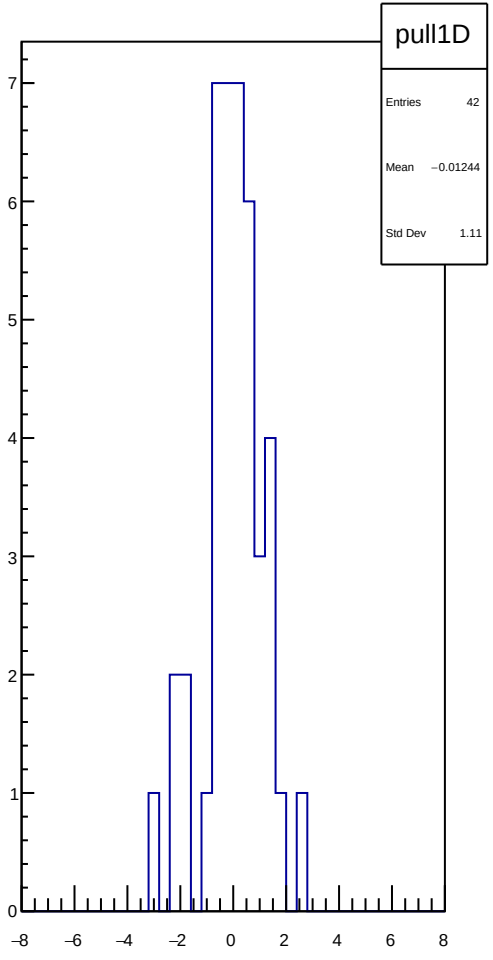

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 51.45 / 41
p0 804.6 ± 1844
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −82.23
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.01271
Std Dev 1.107
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

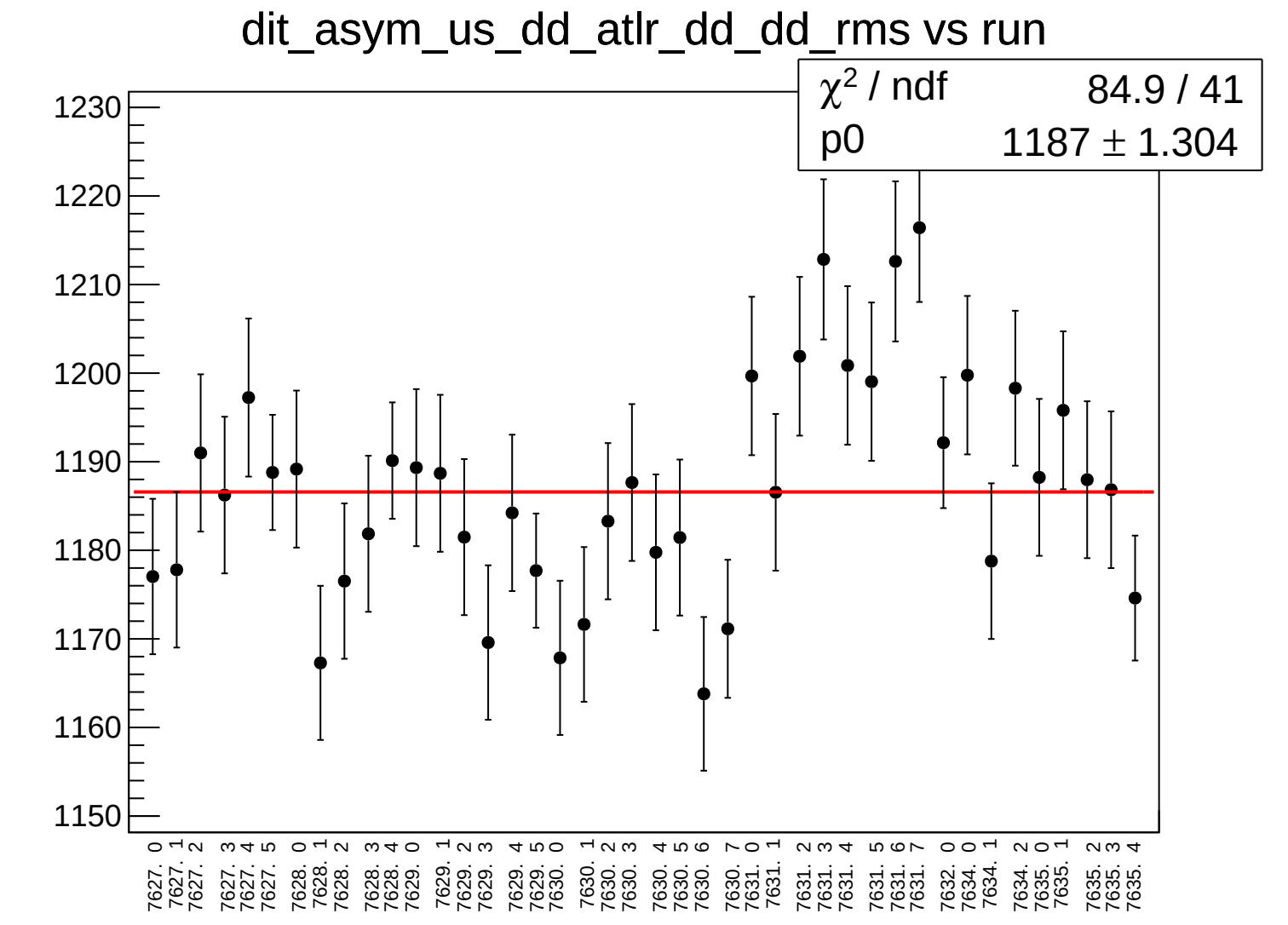

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 85.02 / 41
p0 1186 ± 1.304
1230
1220
1210
1200
1190
1180
1170
1160
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

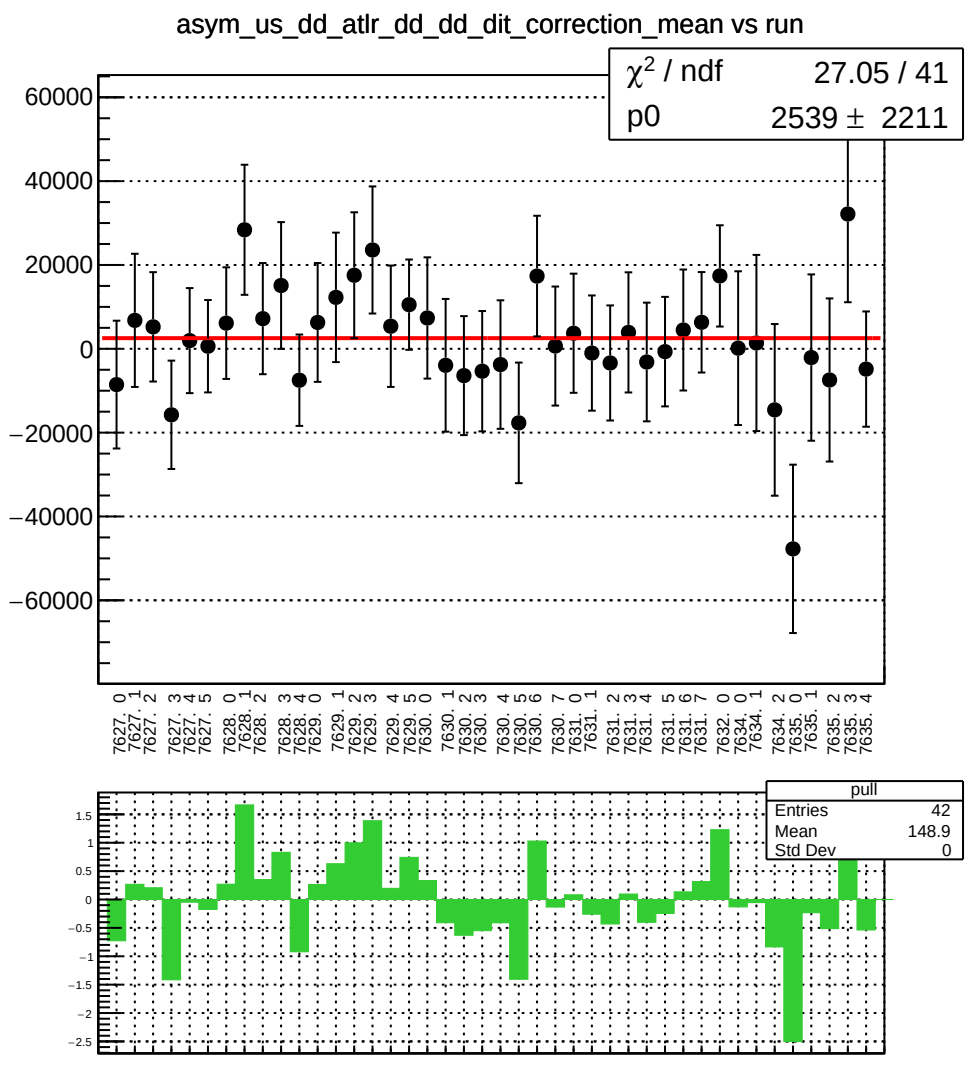

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 27.23 / 41
p0 2560 ± 2190
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 133.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01416
Std Dev 0.805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

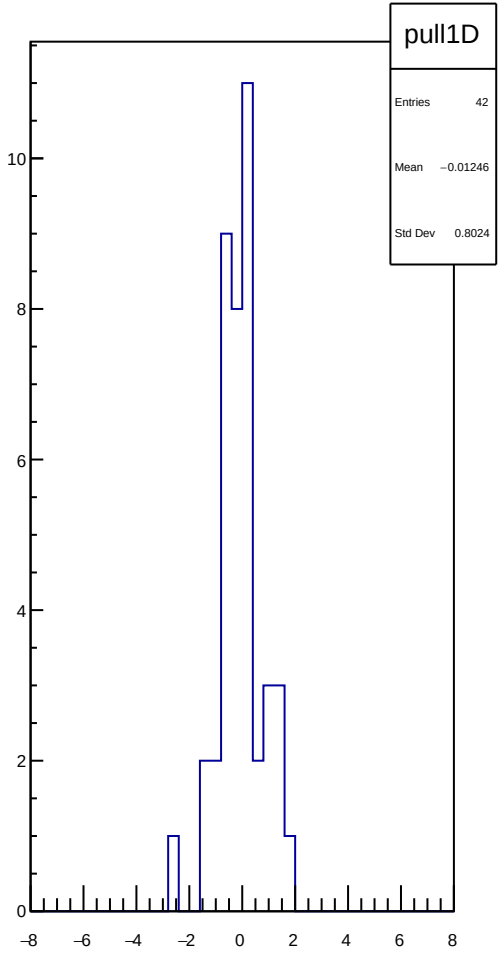

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.302e+04 / 41
p0 1398 ± 1.548
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

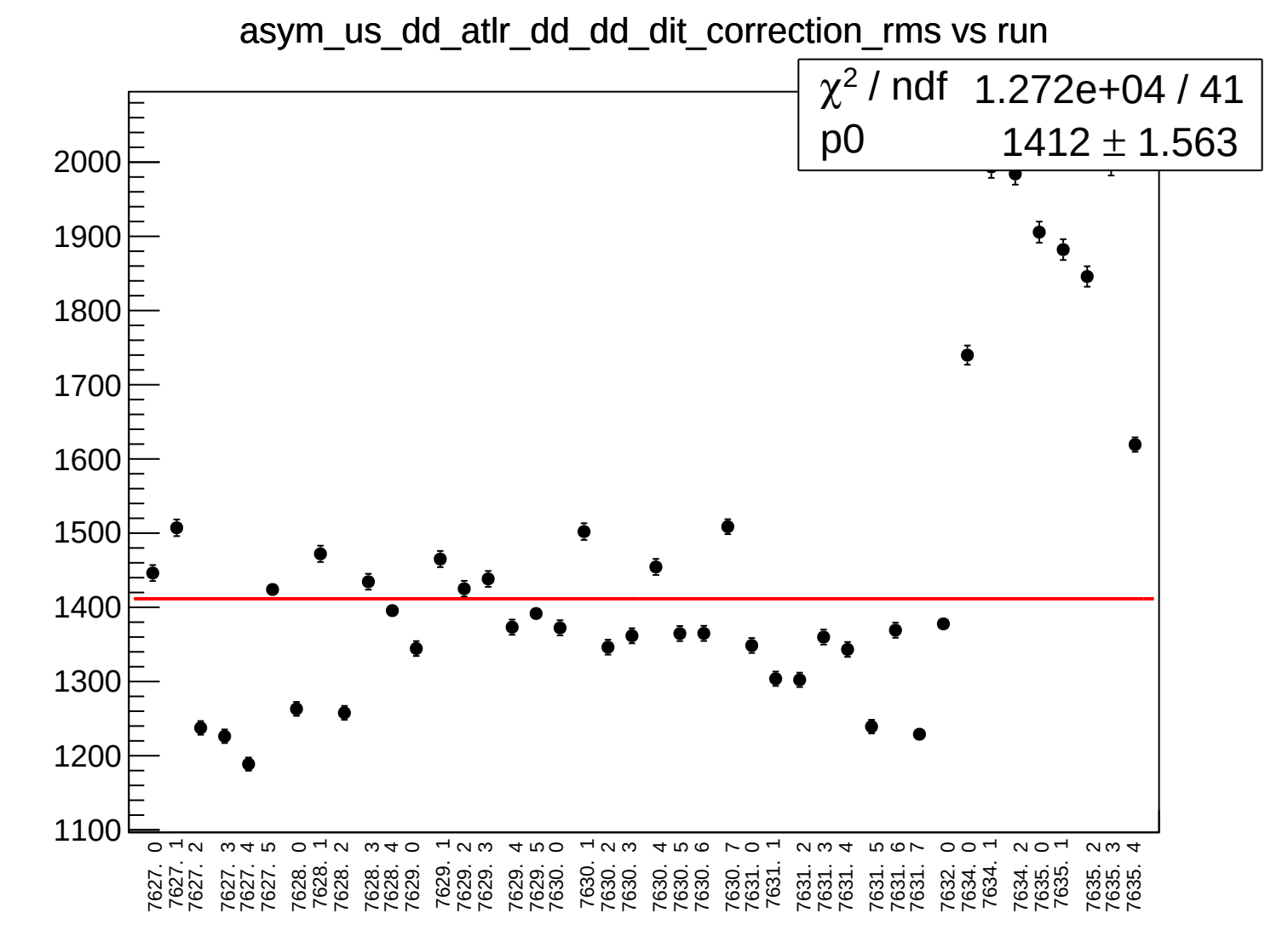

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 51.78 / 41
p0 818.1 ± 1845
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.04
Std Dev 0
2
1
0
−1
−2
−3

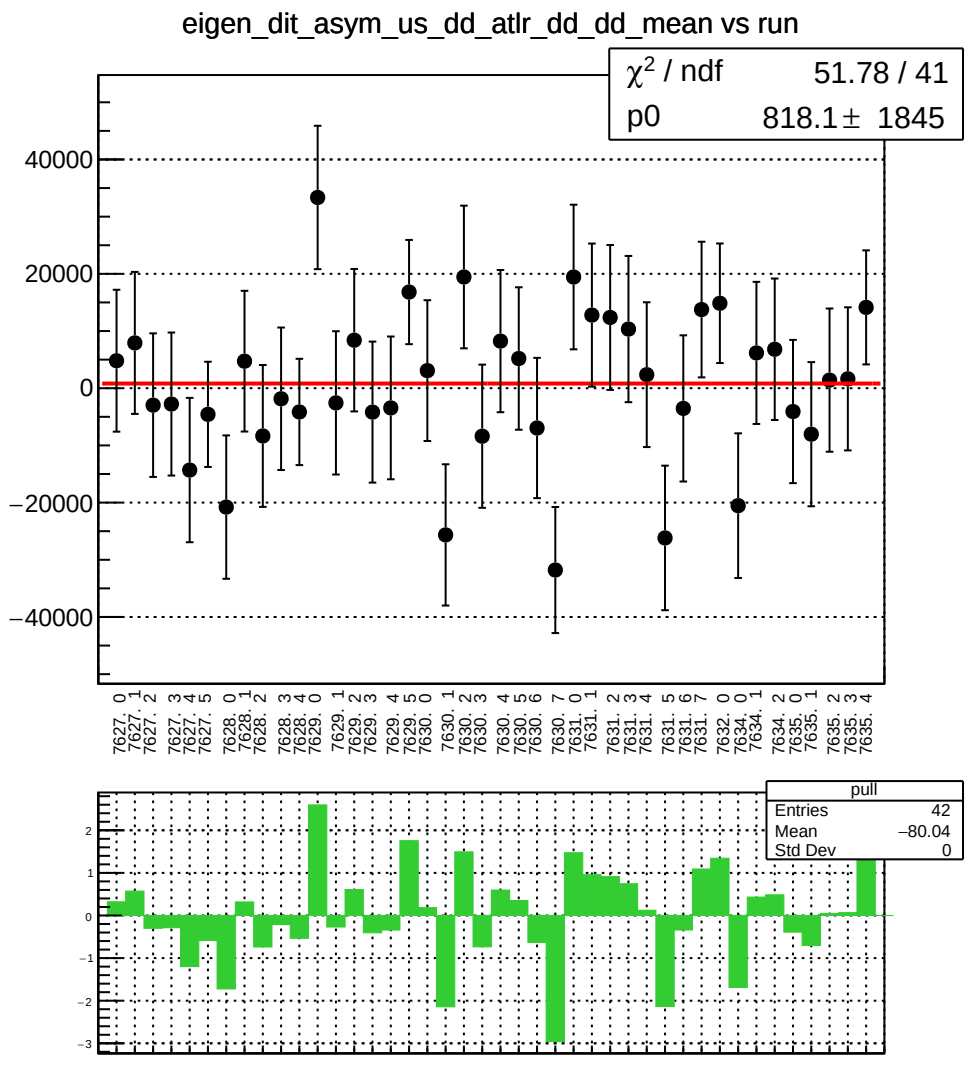

pull1D
Entries 42
Mean −0.01244
Std Dev 1.11
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

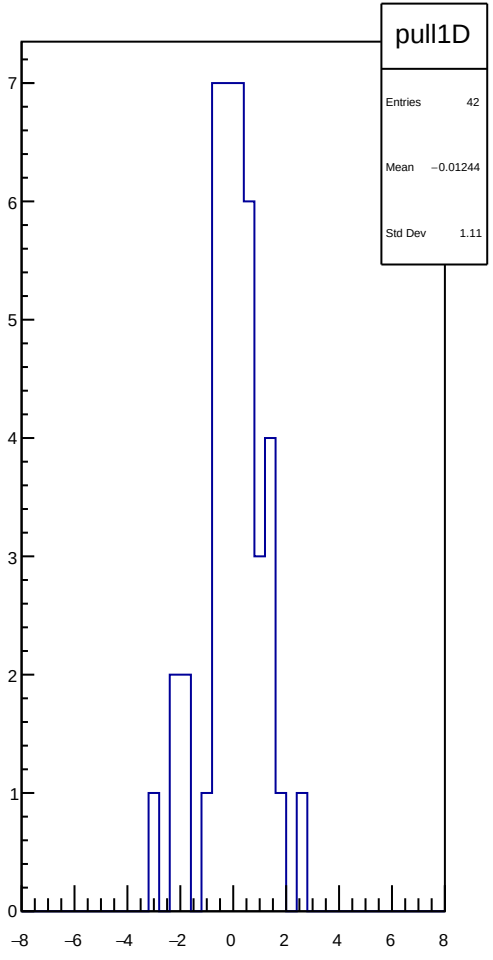

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 84.9 / 41
p0 1187 ± 1.304
1230
1220
1210
1200
1190
1180
1170
1160
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

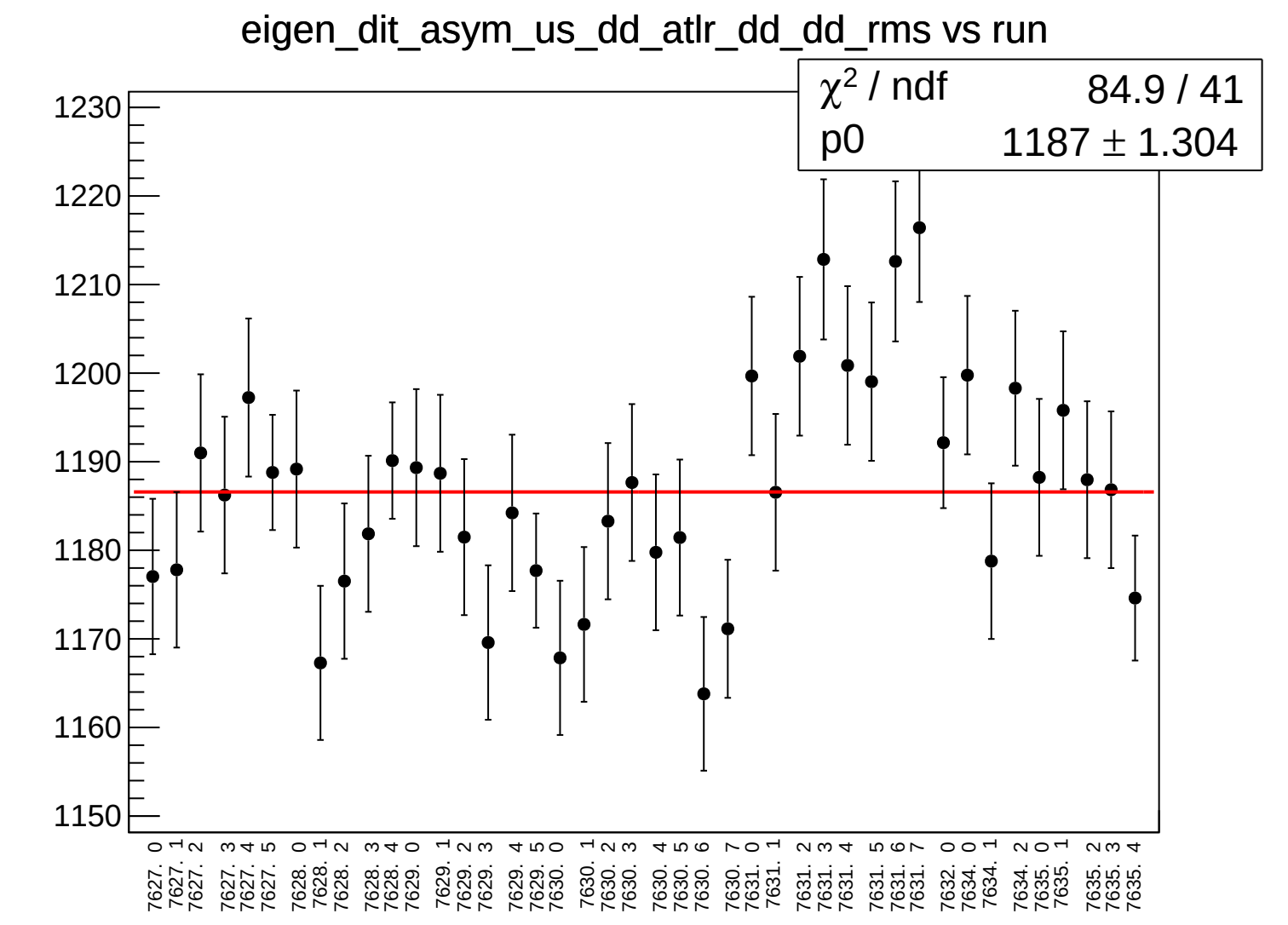

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 27.05 / 41
p0 2539 ± 2211
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 148.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

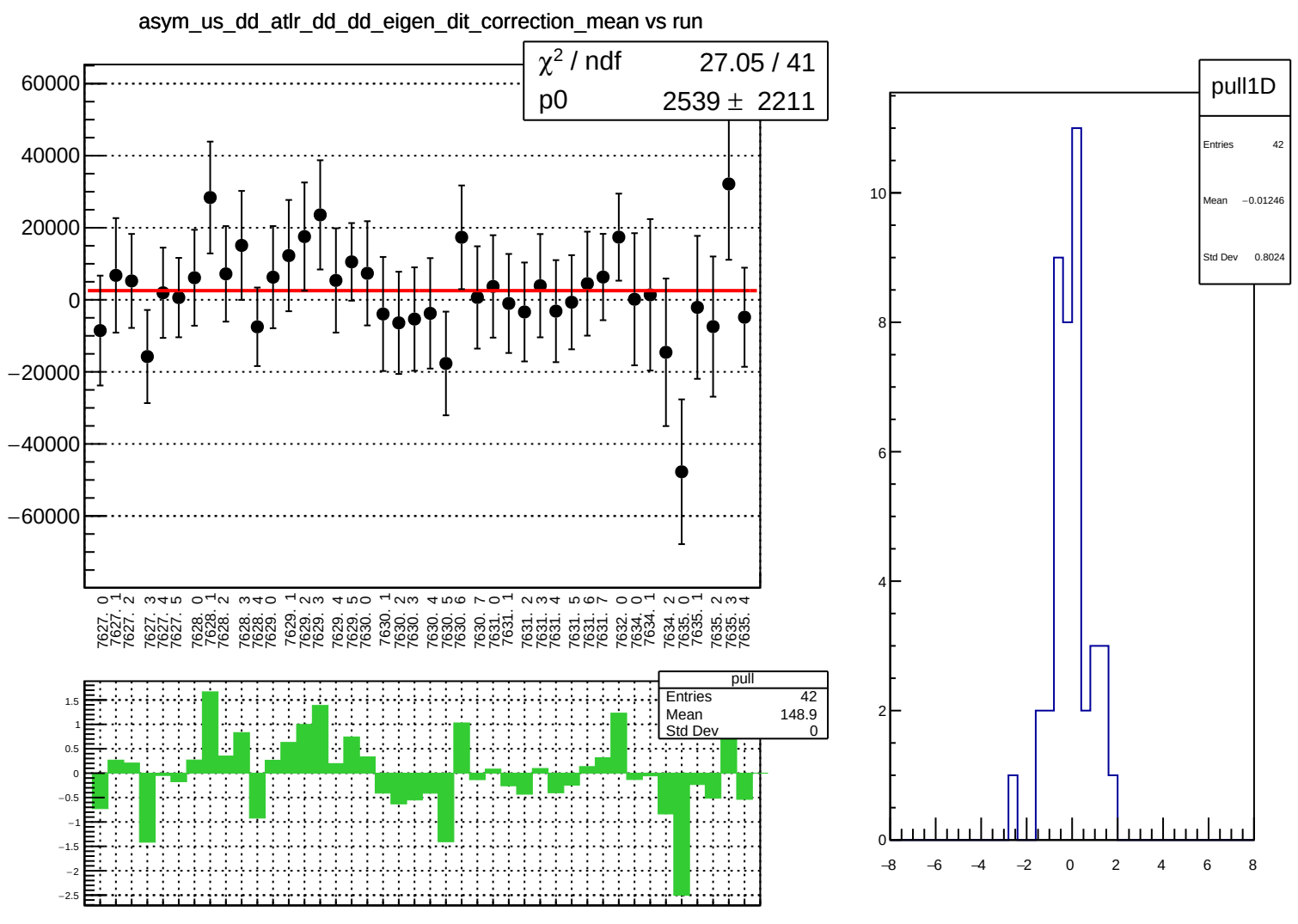

pull1D
Entries 42
Mean −0.01246
Std Dev 0.8024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

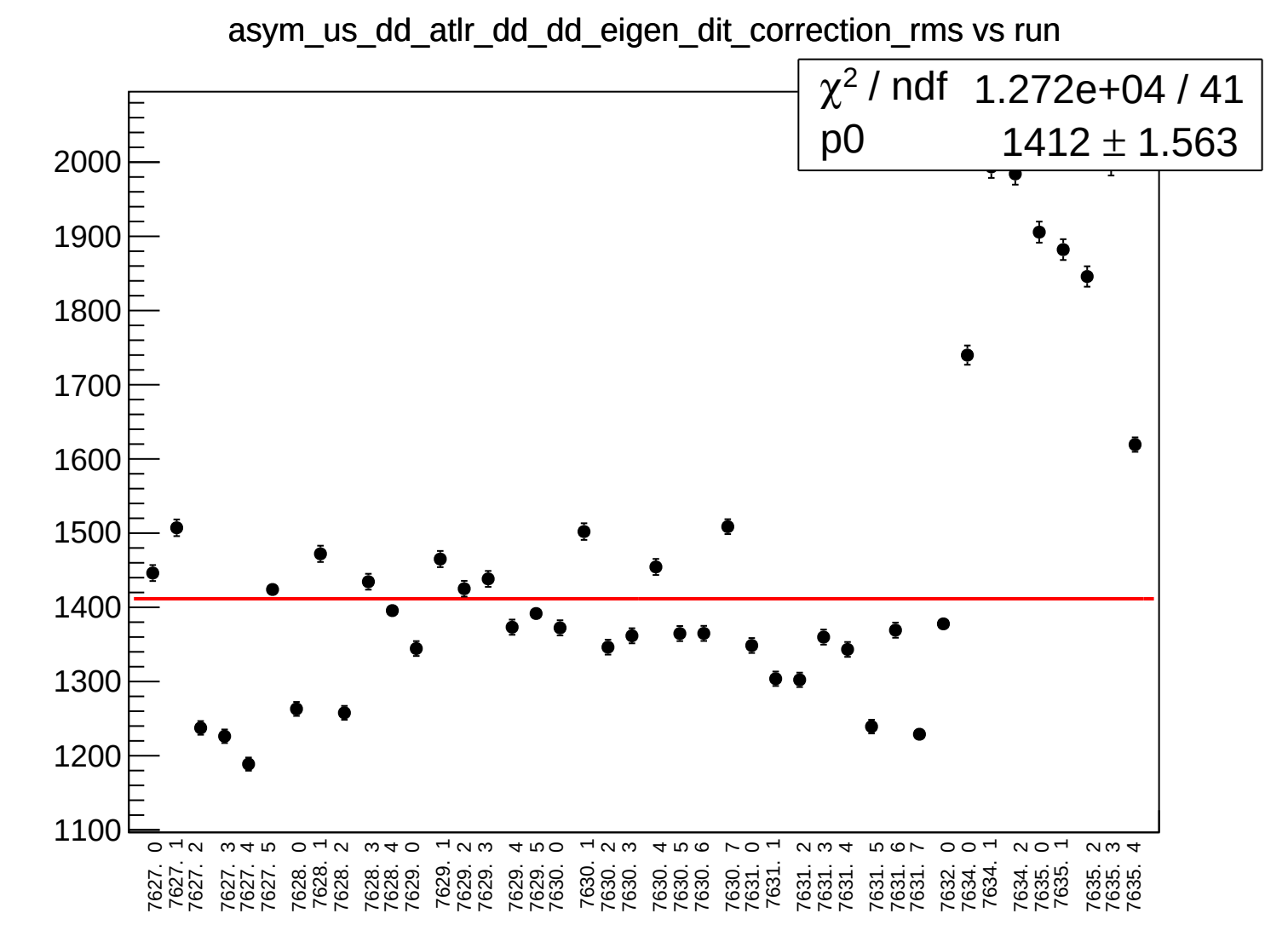

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.272e+04 / 41
p0 1412 ± 1.563
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

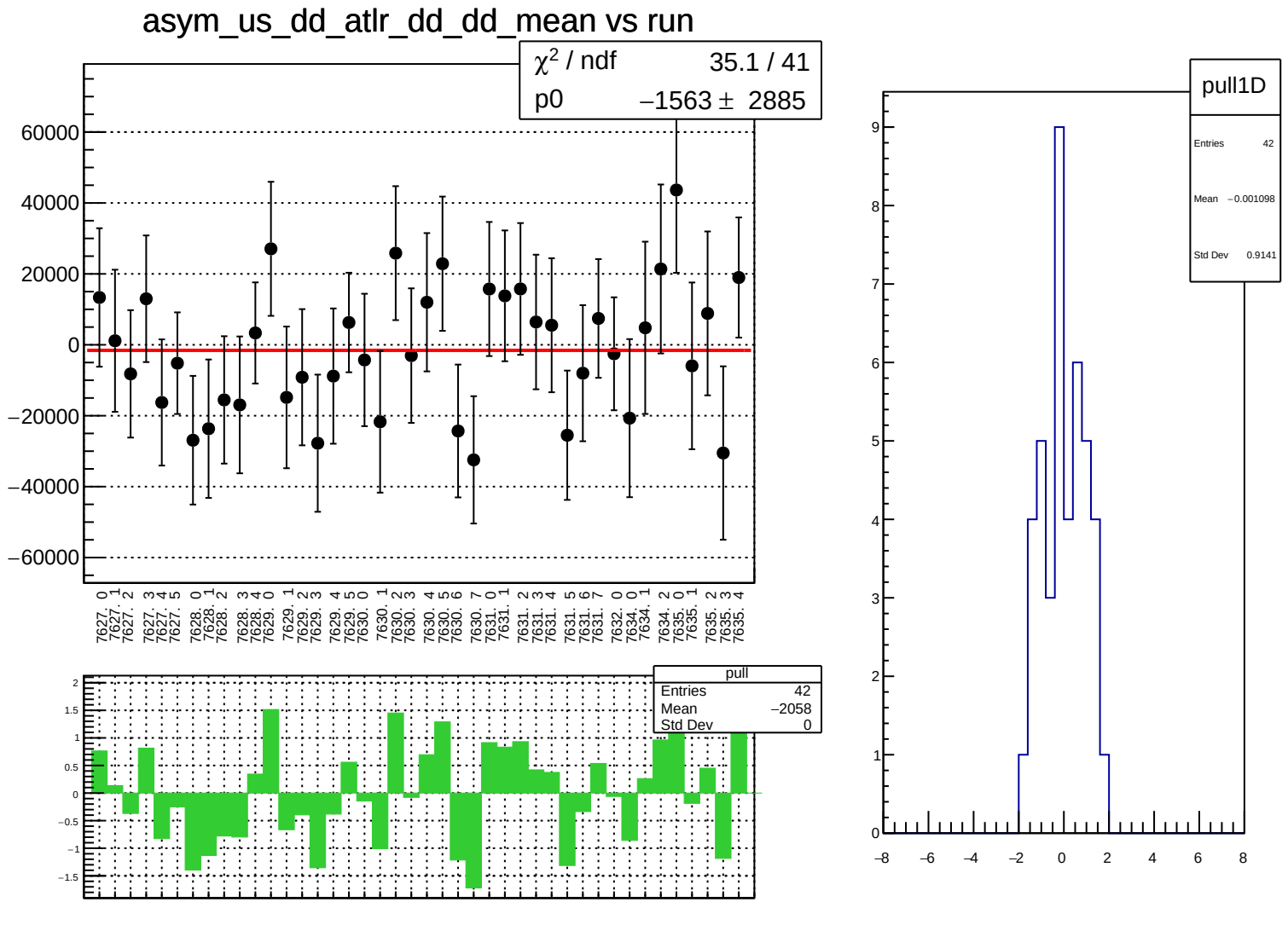

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 51.78 / 41
p0 818.1 ± 1845
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.04
Std Dev 0
2
1
0
−1
−2
−3

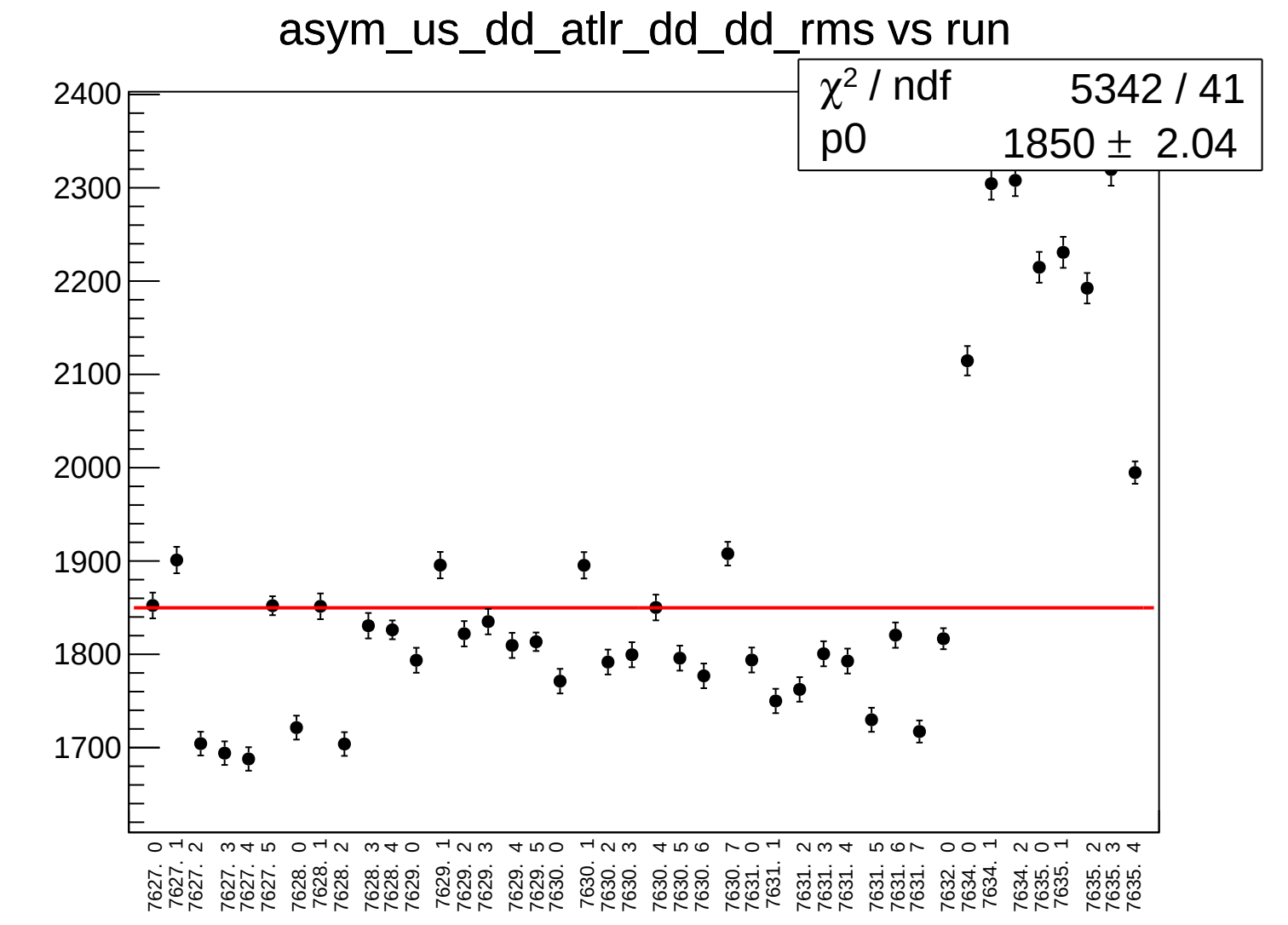

pull1D
Entries 42
Mean −0.01244
Std Dev 1.11
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

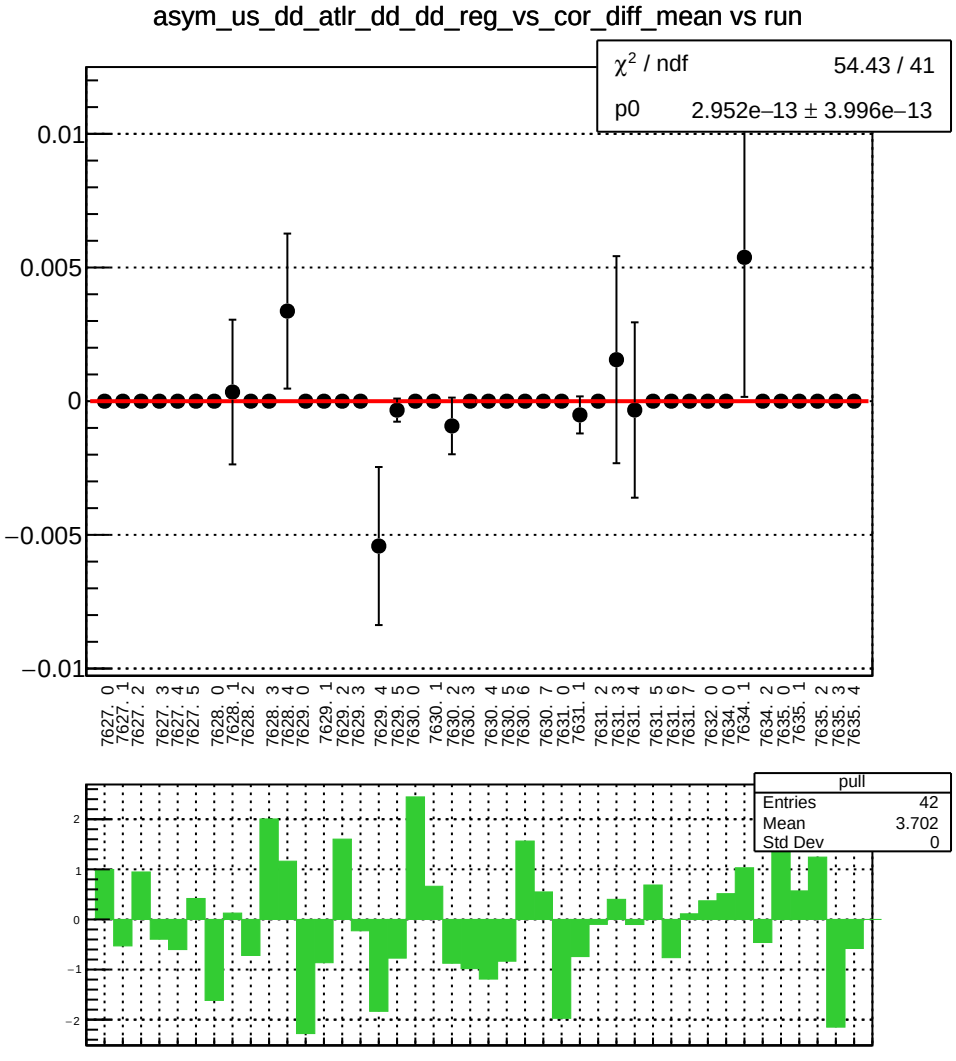

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 84.9 / 41
p0 1187 ± 1.304
1230
1220
1210
1200
1190
1180
1170
1160
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

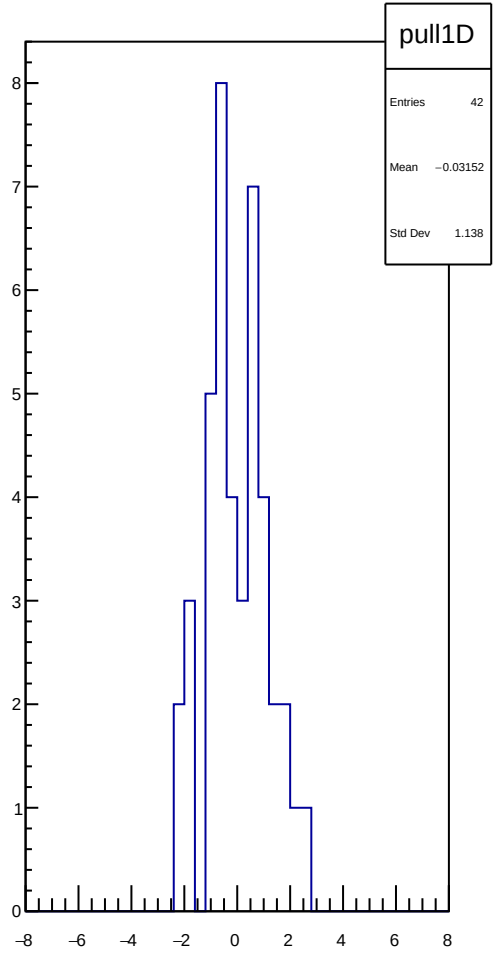

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 27.05 / 41
p0 2539 ± 2211
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 148.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01246
Std Dev 0.8024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

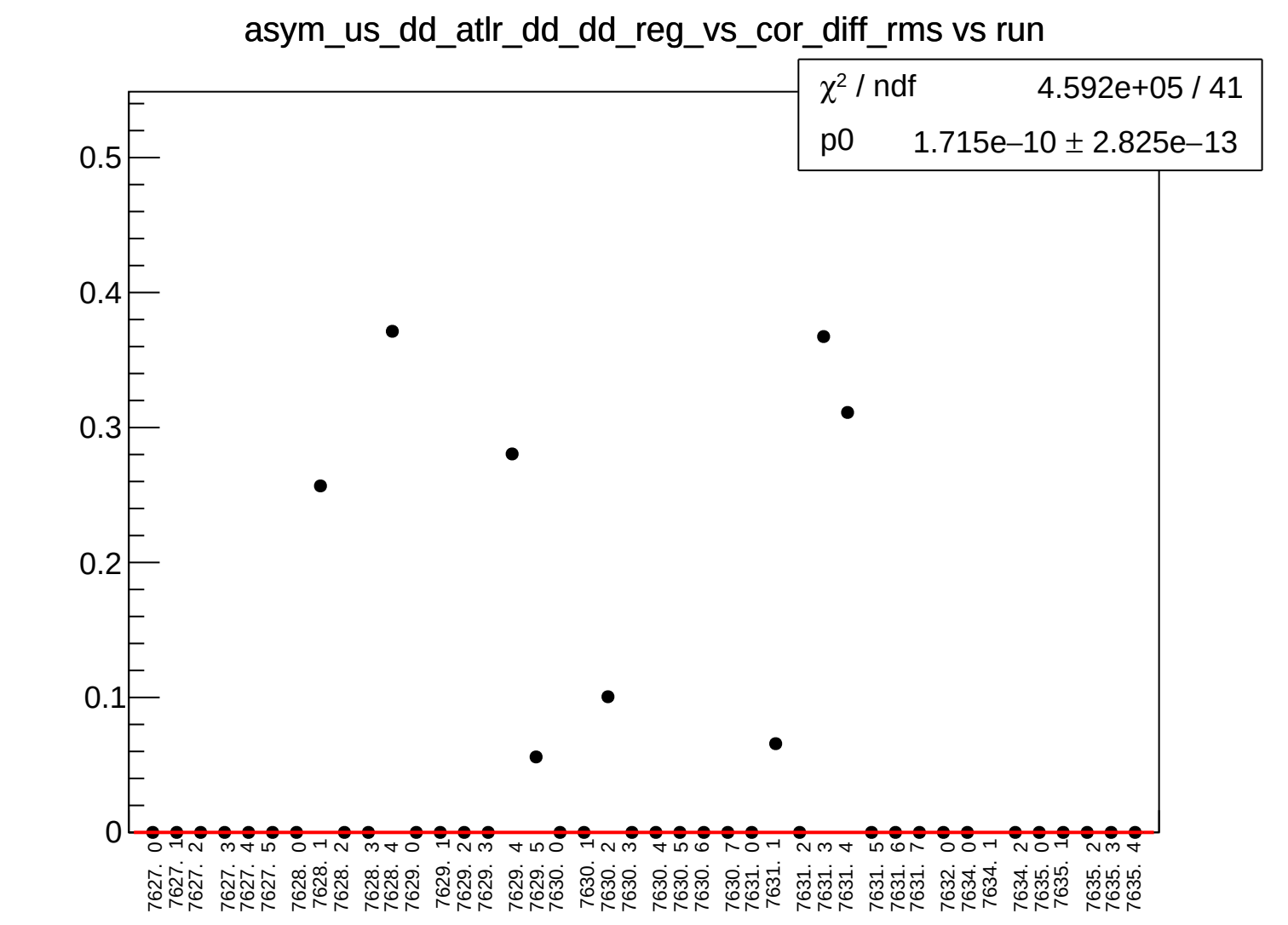

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.272e+04 / 41
p0 1412 ± 1.563
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

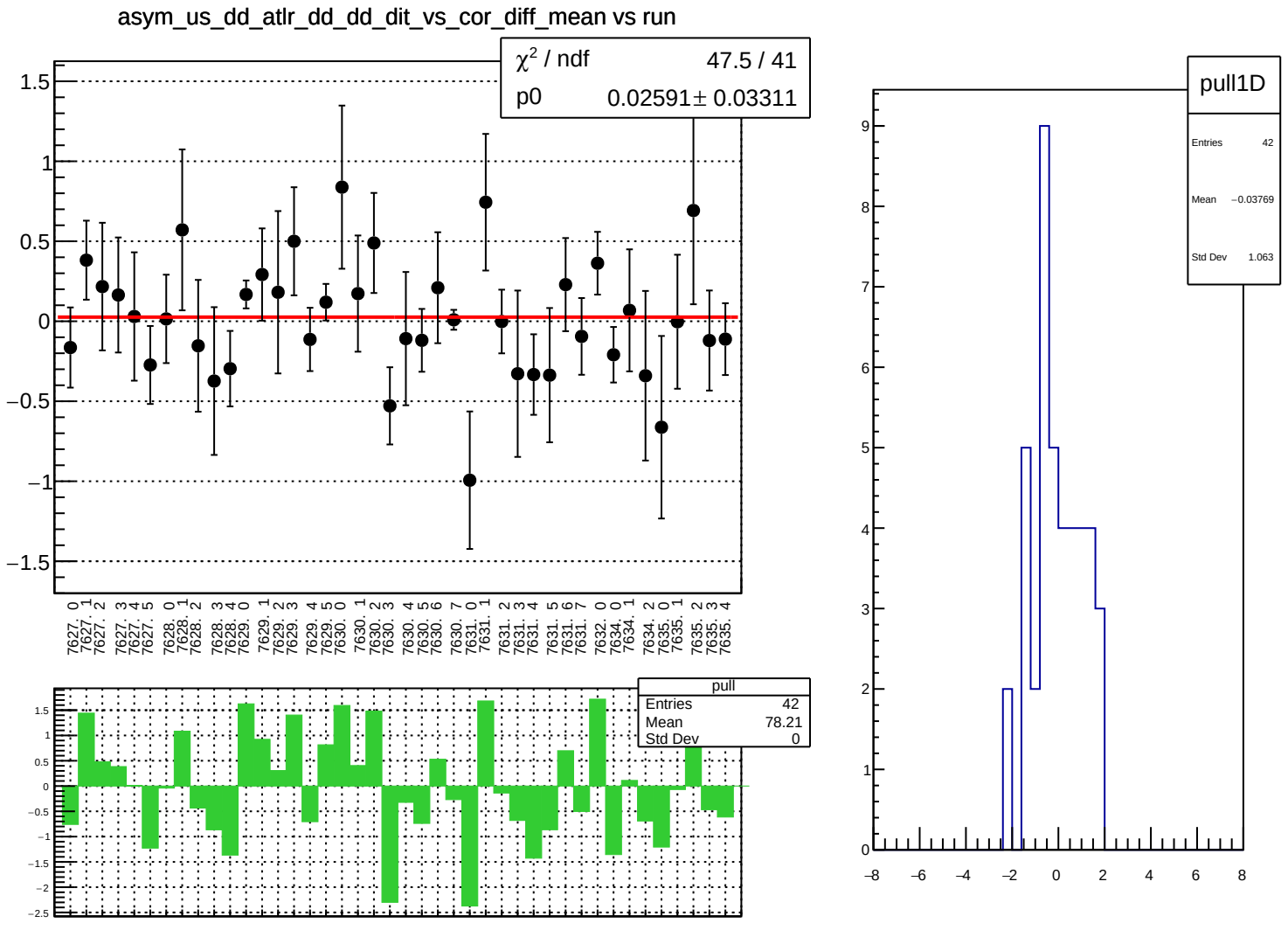

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 35.1 / 41
p0 −1563 ± 2885
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2058
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.001098
Std Dev 0.9141
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

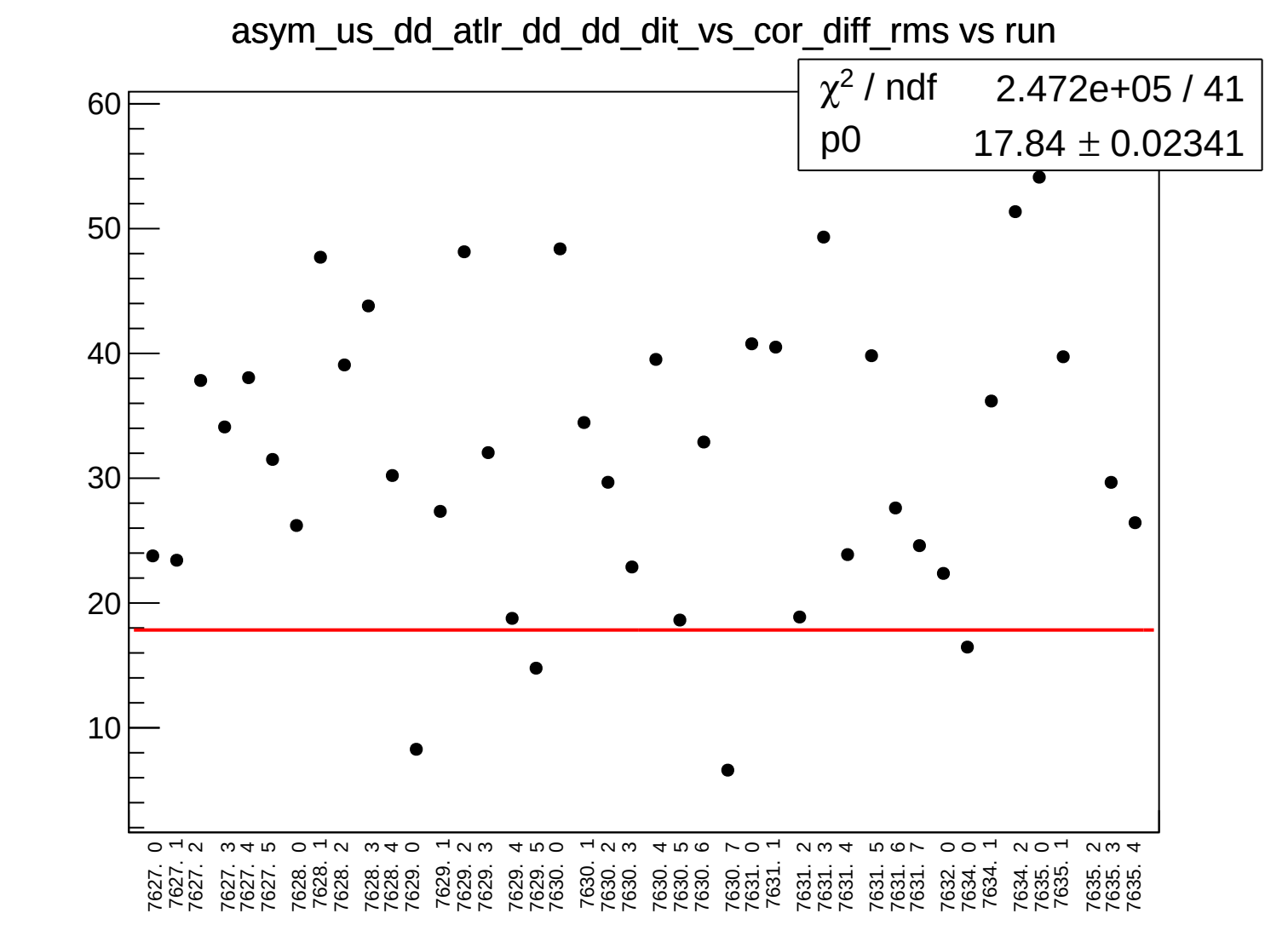

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 5342 / 41
p0 1850 ± 2.04
2400
2300
2200
2100
2000
1900
1800
1700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

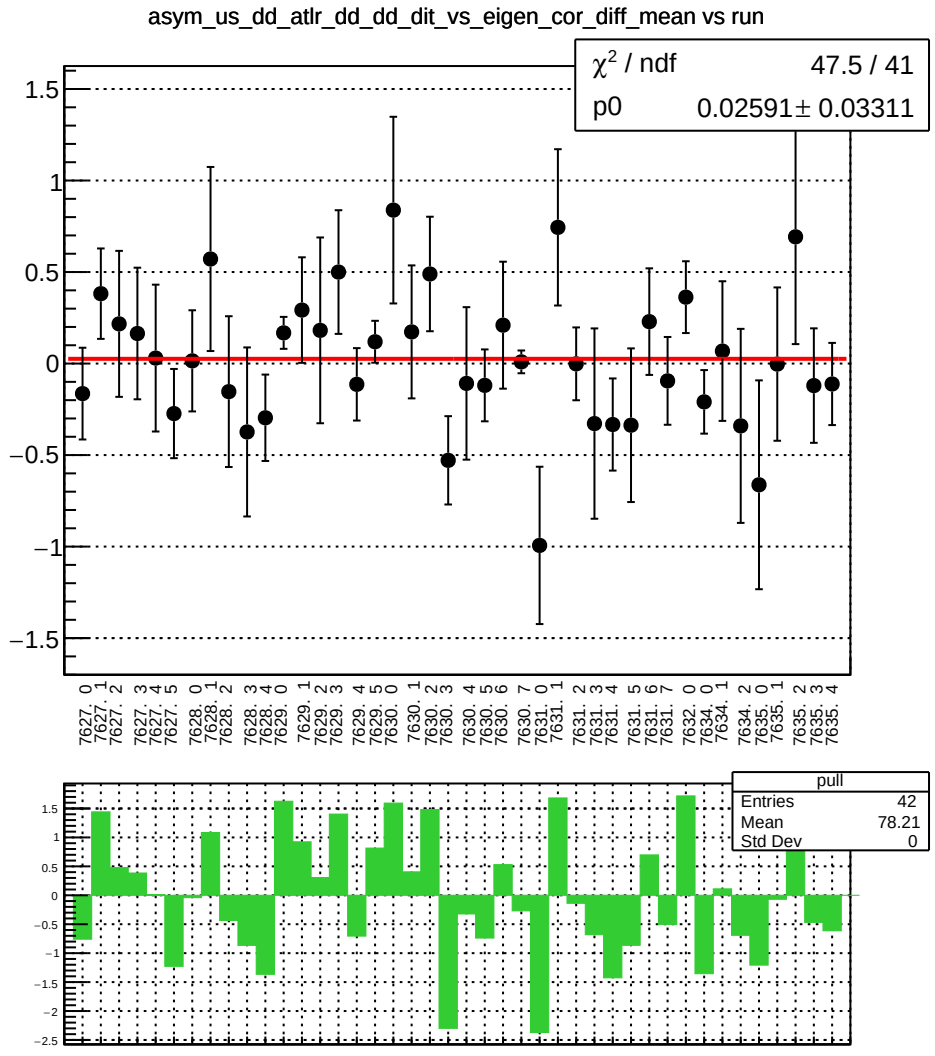

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.43 / 41
p0 2.952e−13 ± 3.996e−13
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.702
Std Dev 0
2
1
0
−1
−2

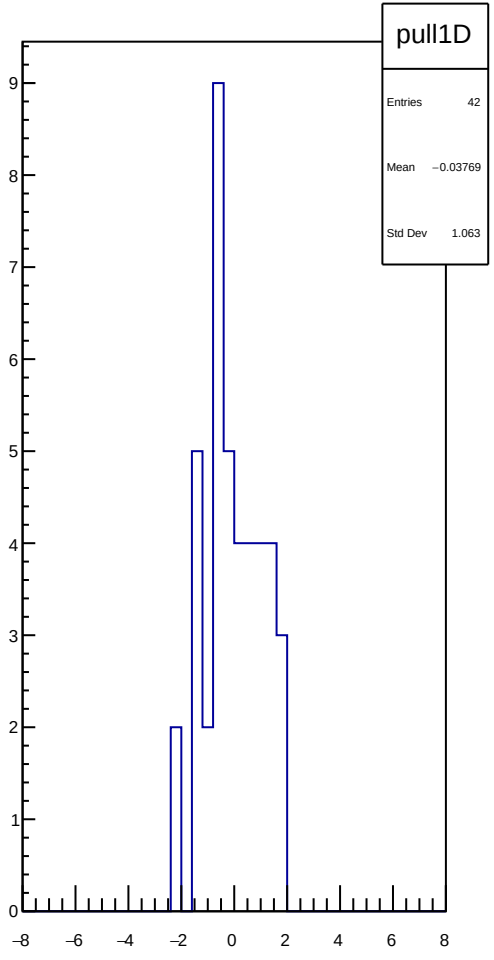

pull1D
Entries 42
Mean −0.03152
Std Dev 1.138
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

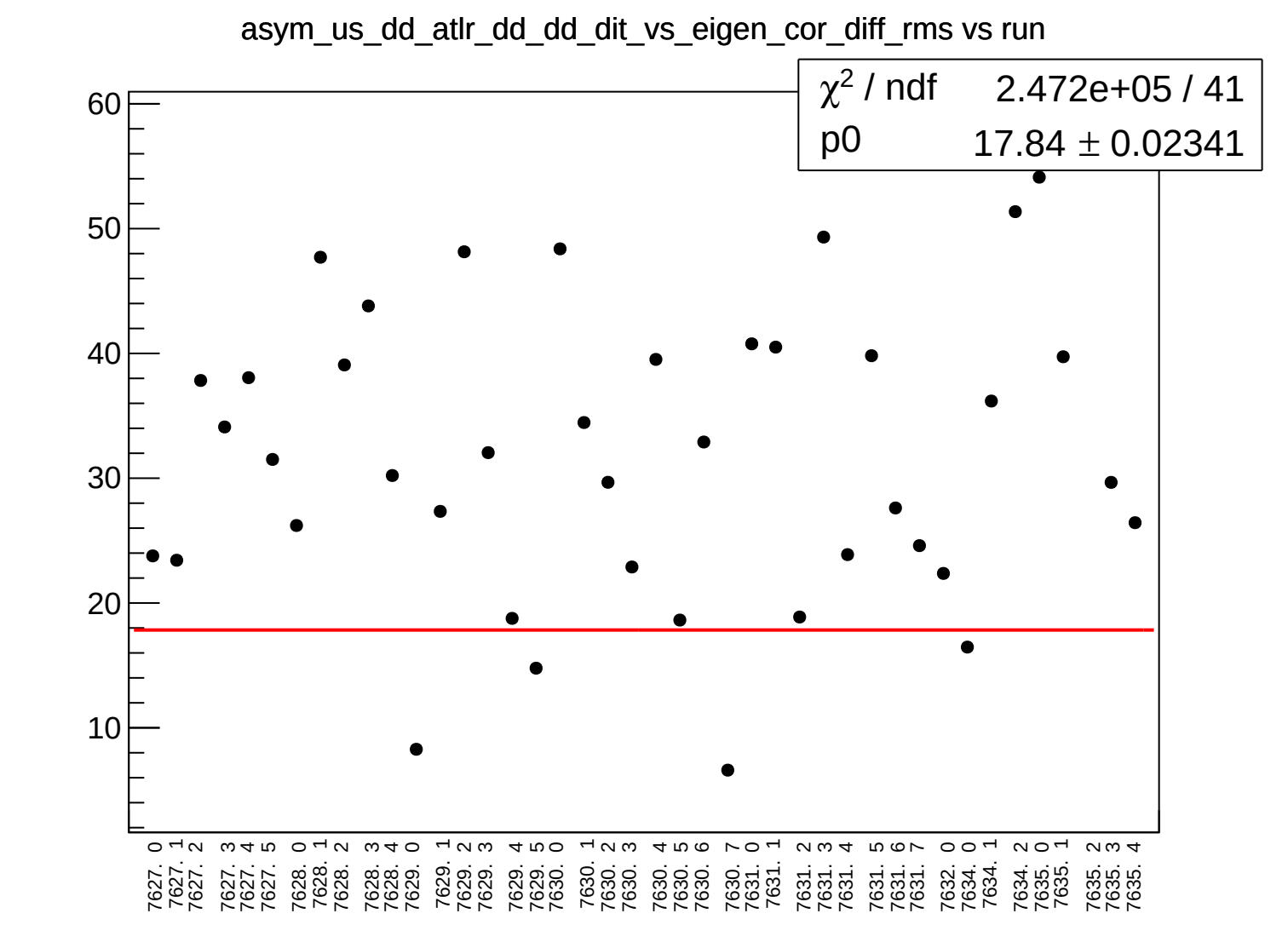

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.592e+05 / 41
p0 1.715e−10 ± 2.825e−13
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

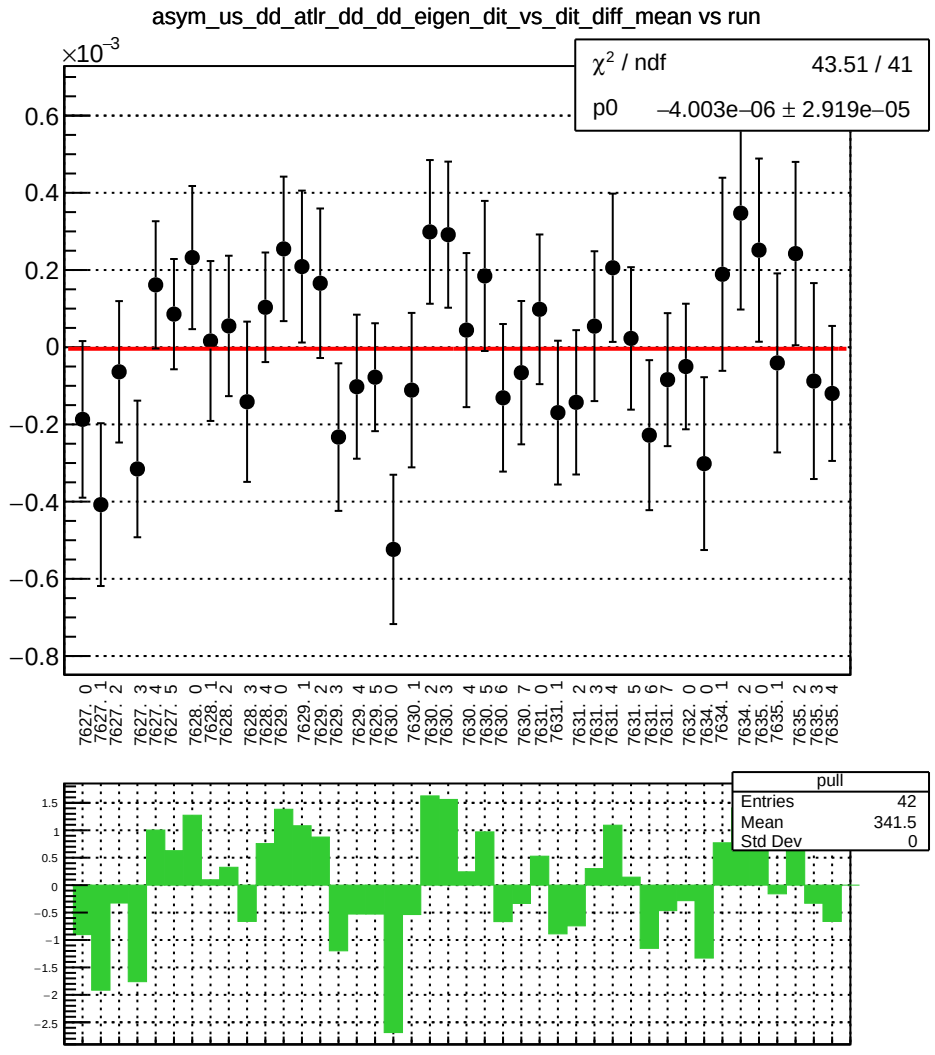

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.5 / 41
p0 0.02591± 0.03311
pull
Entries 42
Mean 78.21
Std Dev 0
pull1D
Entries 42
Mean −0.03769
Std Dev 1.063

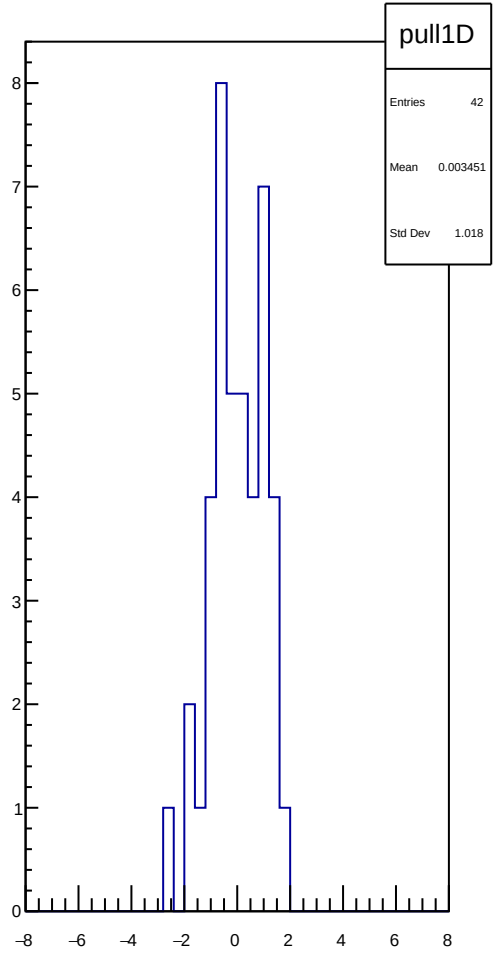

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.472e+05 / 41
p0 17.84 ± 0.02341
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

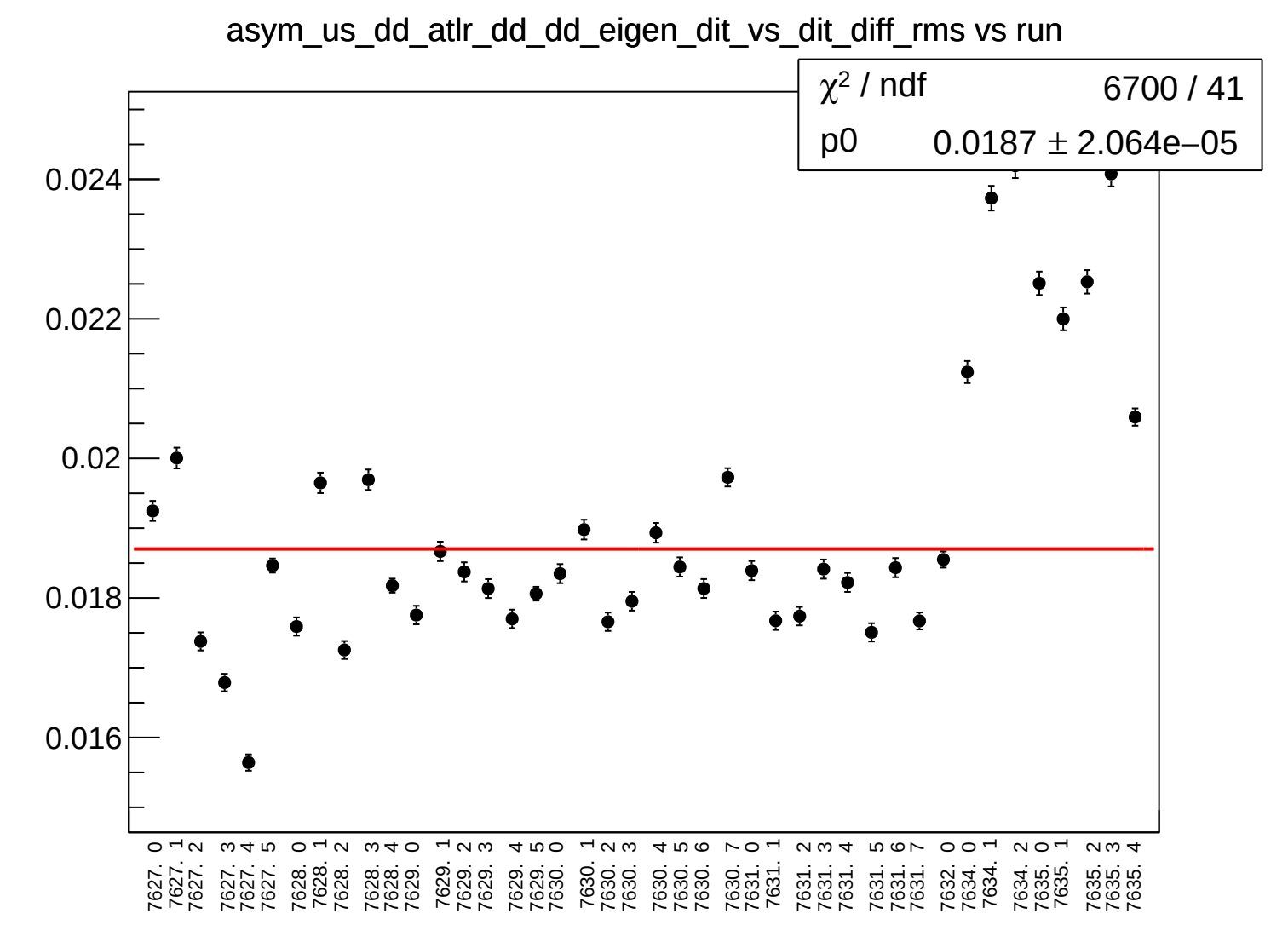

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.5 / 41
p0 0.02591± 0.03311
pull
Entries 42
Mean 78.21
Std Dev 0

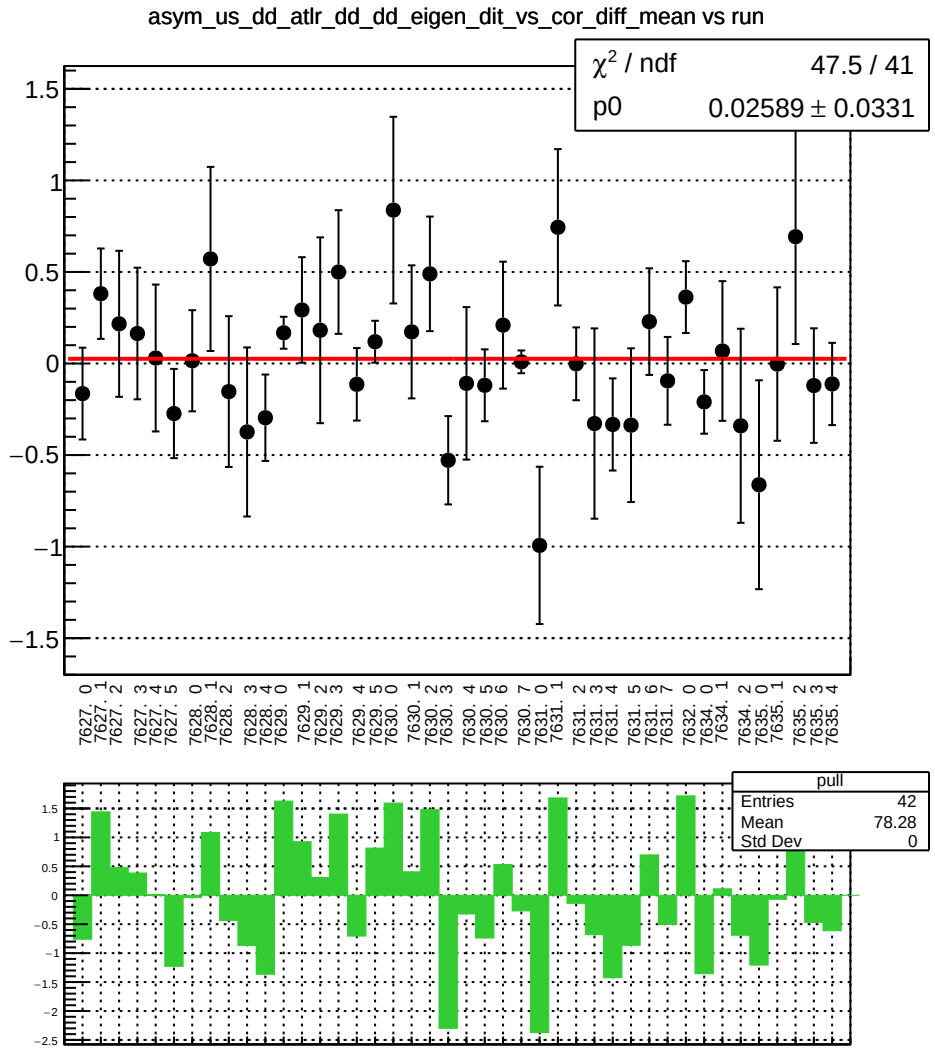

pull1D
Entries 42
Mean −0.03769
Std Dev 1.063

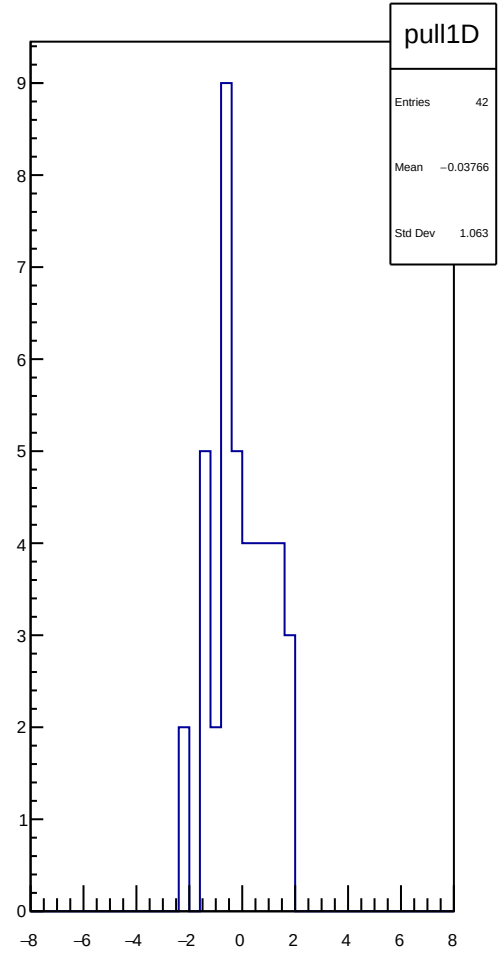

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.472e+05 / 41
p0 17.84 ± 0.02341
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

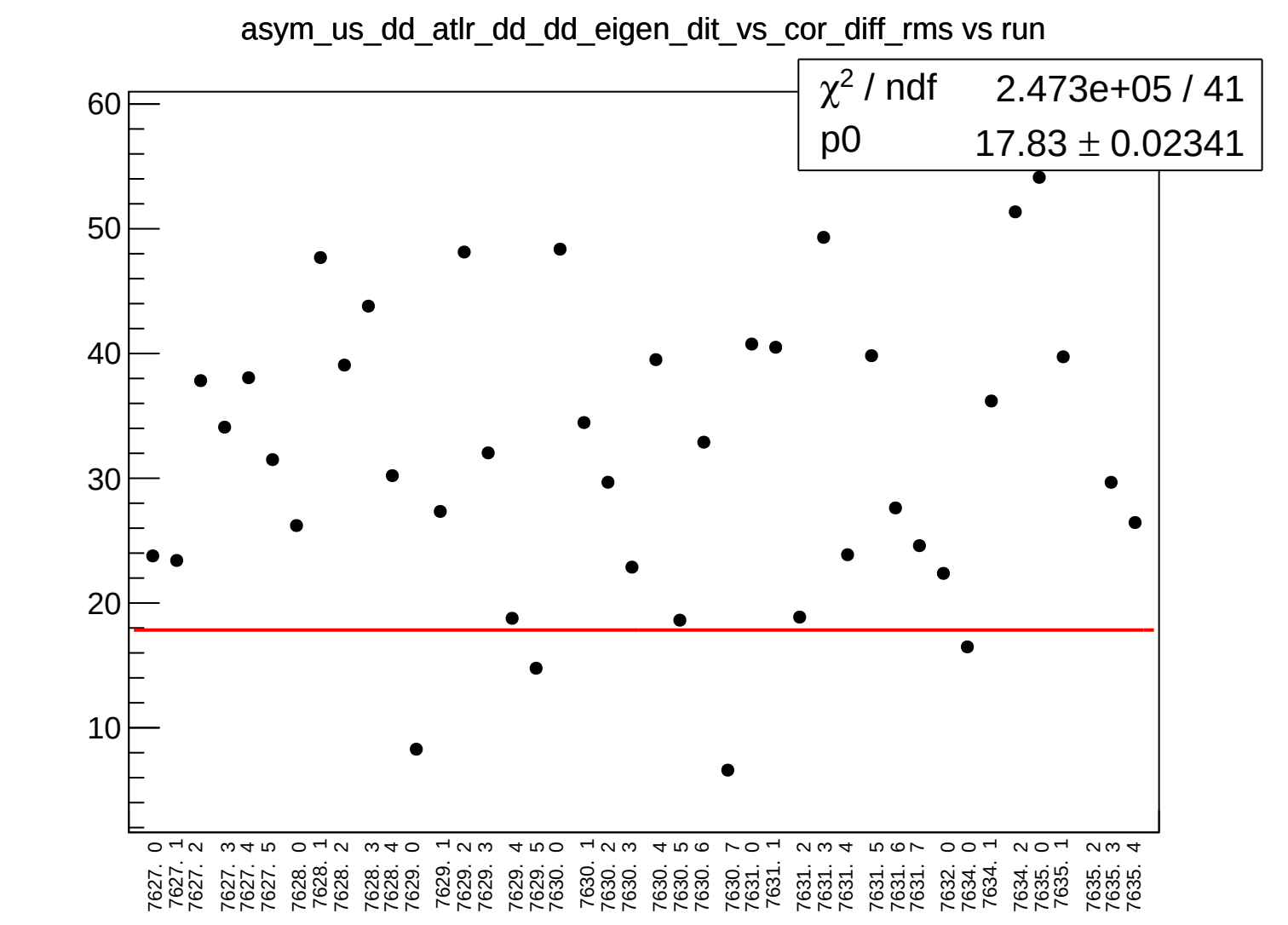

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.51 / 41
p0 −4.003e−06 ± 2.919e−05
pull
Entries 42
Mean 341.5
Std Dev 0

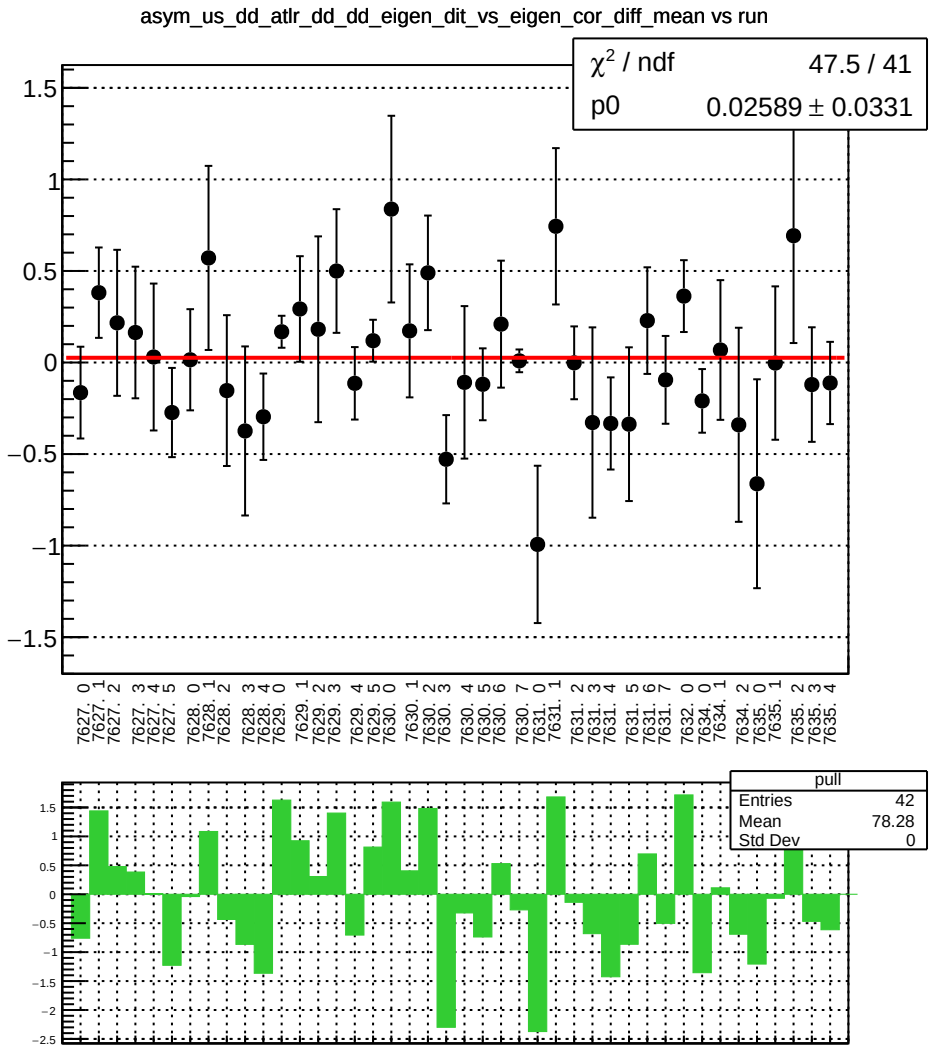

pull1D
Entries 42
Mean 0.003451
Std Dev 1.018

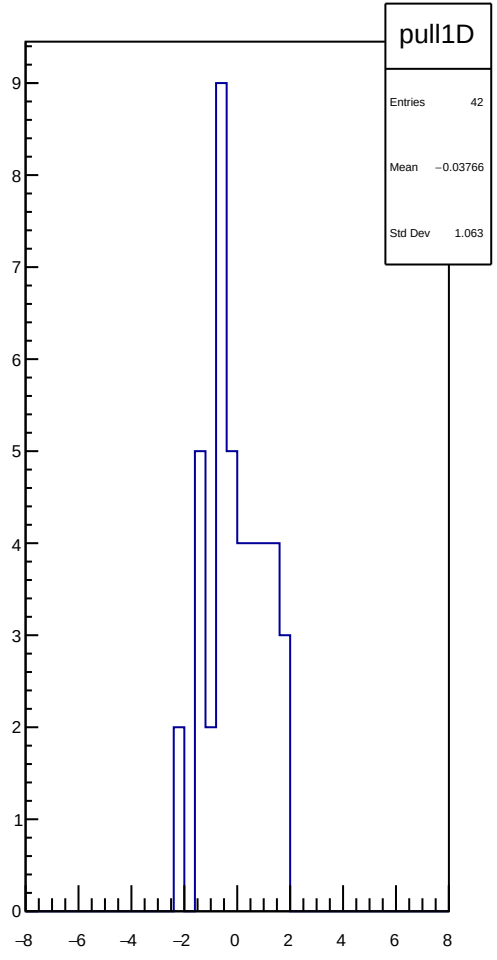

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6700 / 41
p0 0.0187 ± 2.064e−05
0.024
0.022
0.02
0.018
0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

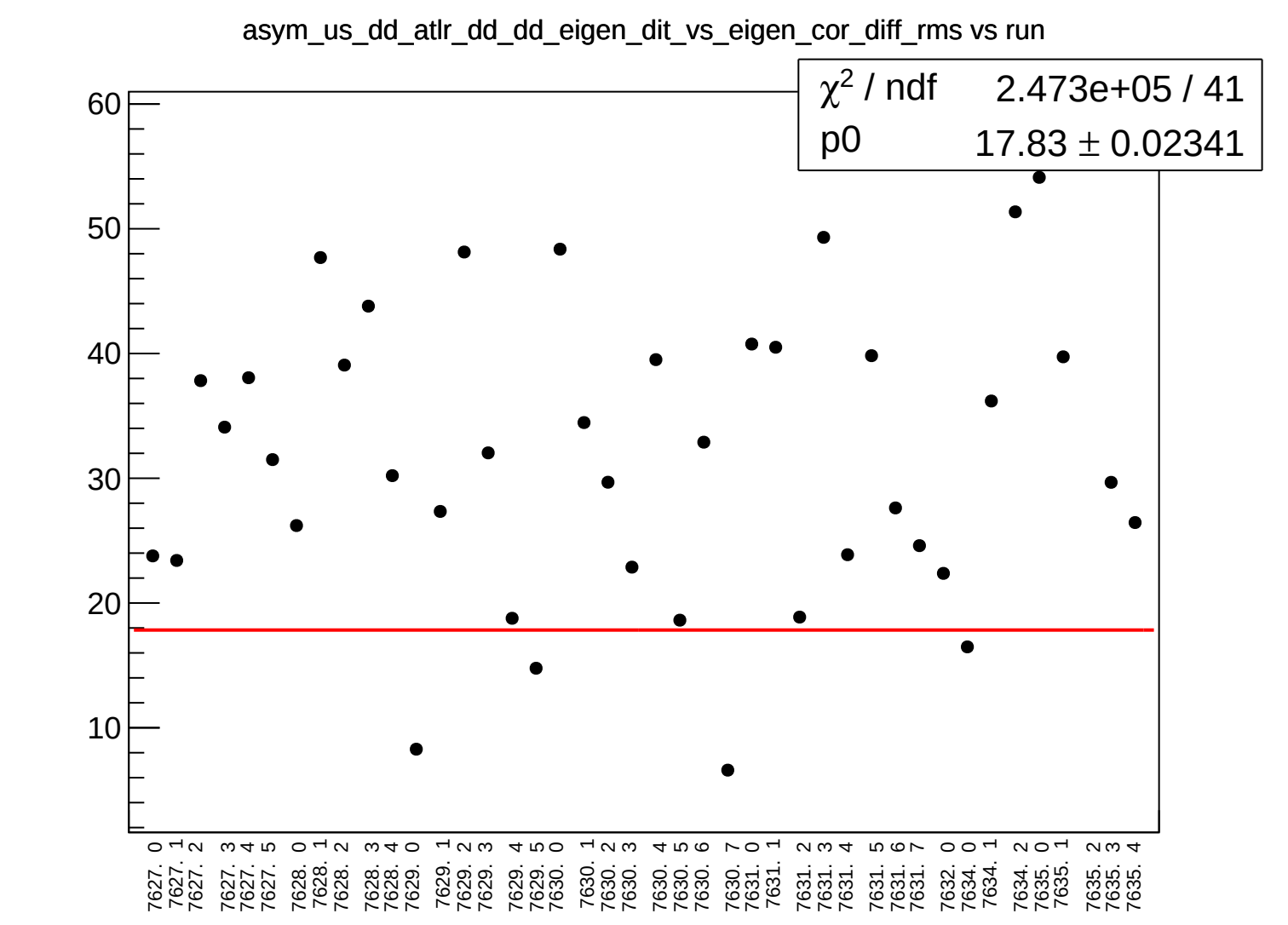

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.5 / 41
p0 0.02589 ± 0.0331
pull
Entries 42
Mean 78.28
Std Dev 0

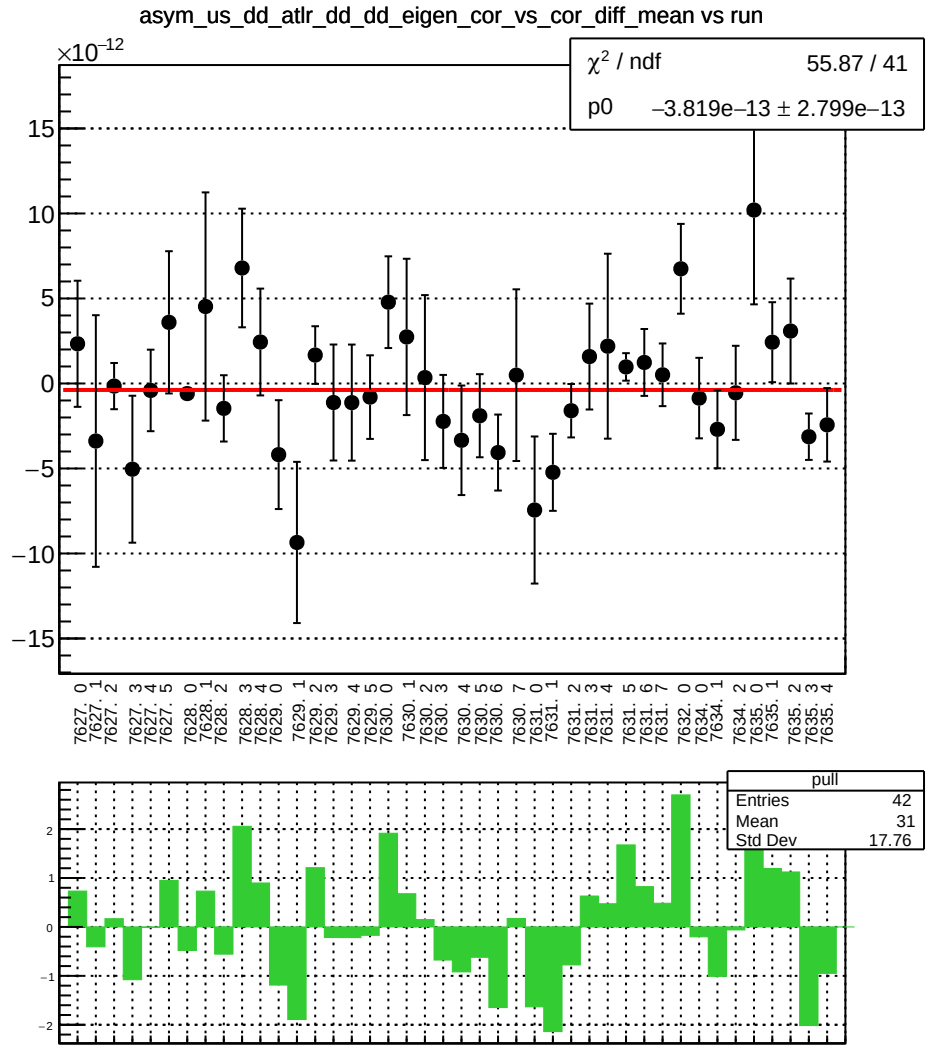

pull1D
Entries 42
Mean −0.03766
Std Dev 1.063

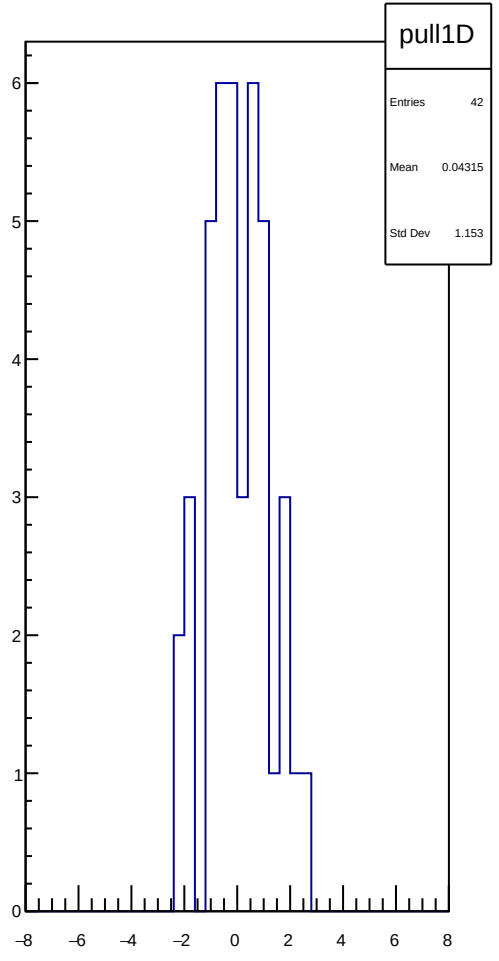

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.473e+05 / 41
p0 17.83 ± 0.02341
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

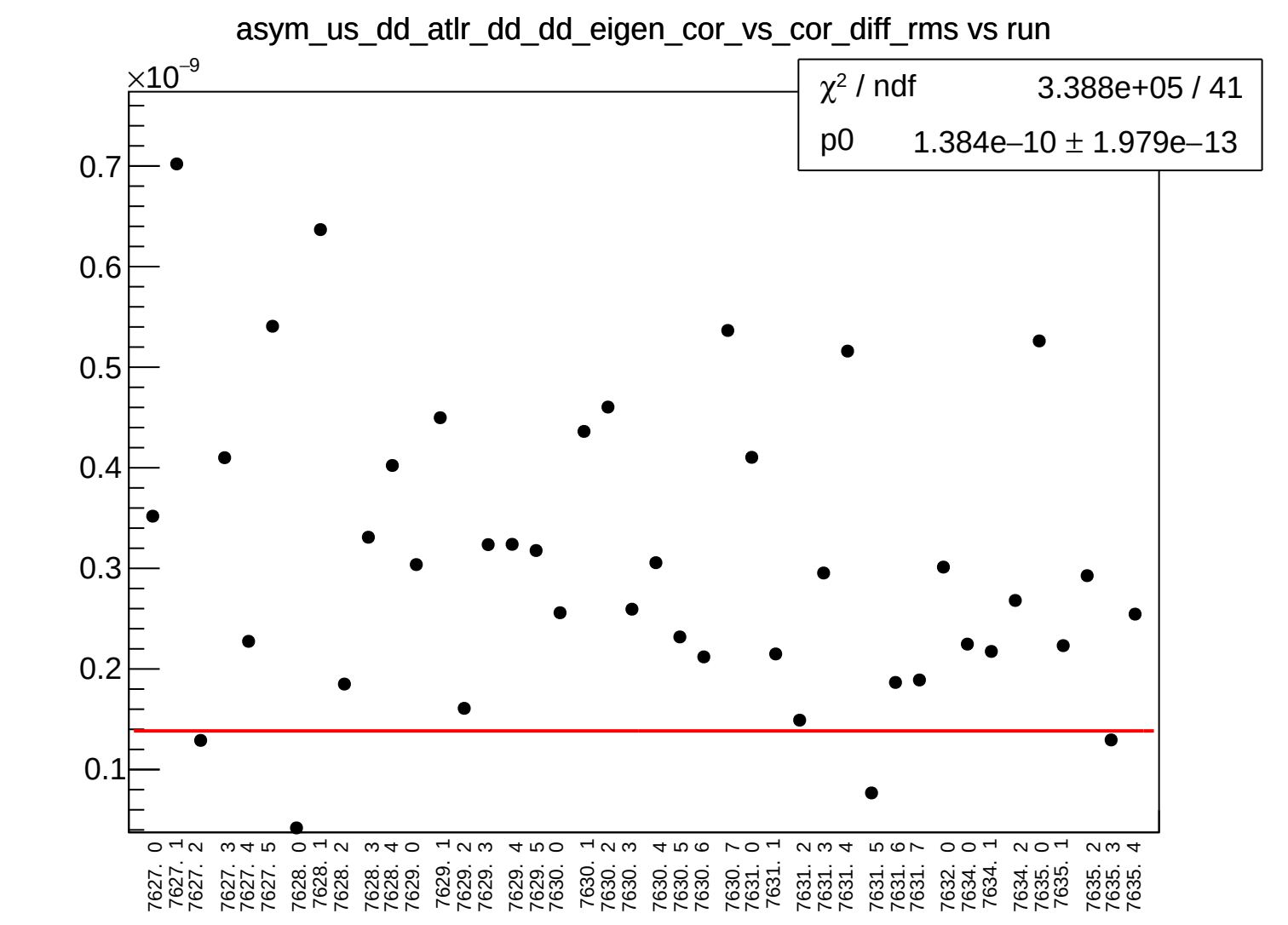

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.5 / 41
p0 0.02589 ± 0.0331
pull
Entries 42
Mean 78.28
Std Dev 0

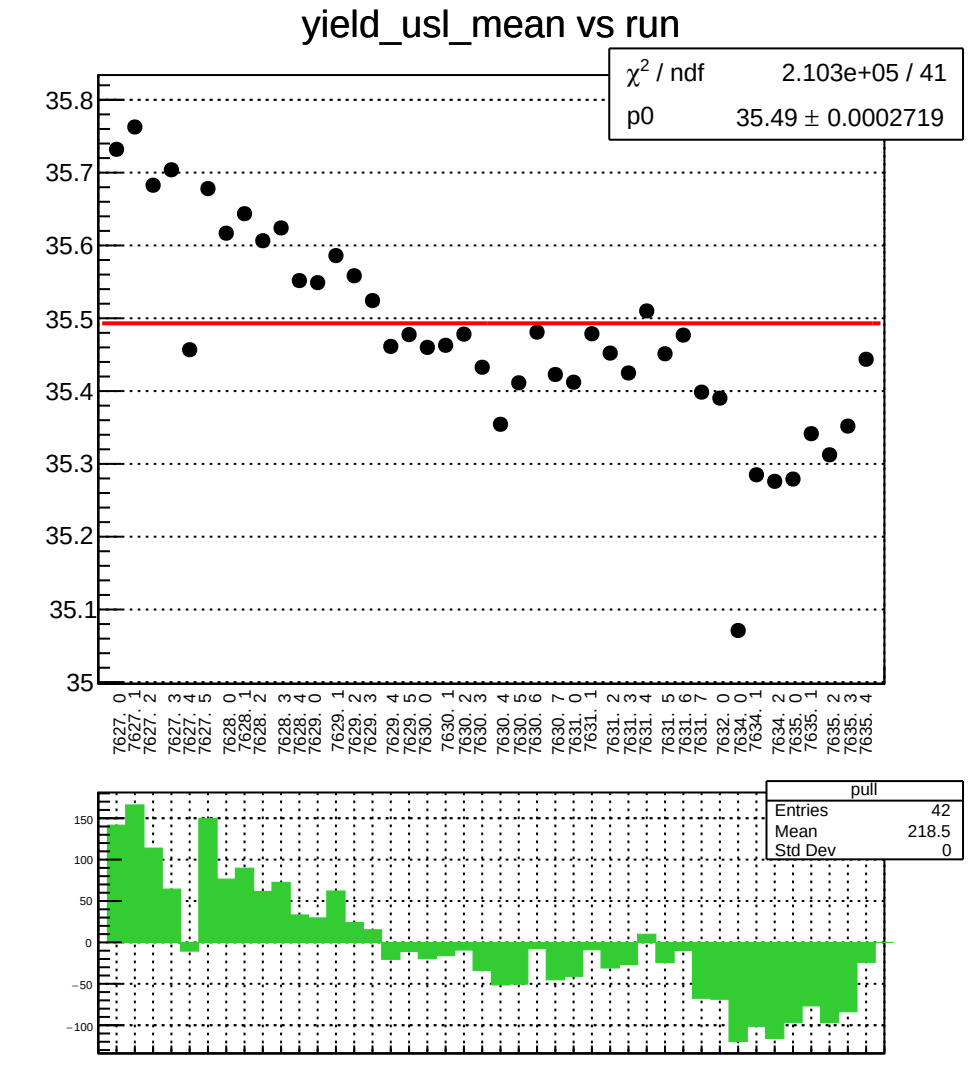

pull1D
Entries 42
Mean −0.03766
Std Dev 1.063

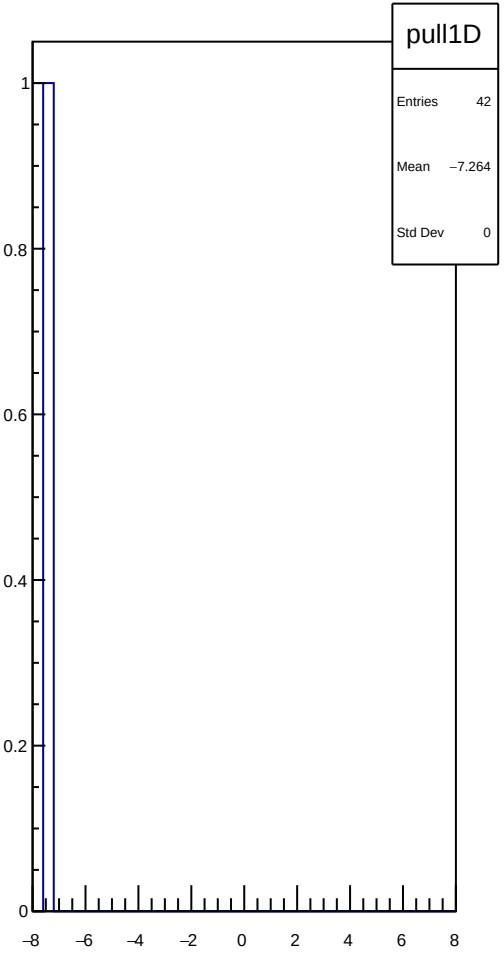

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.473e+05 / 41
p0 17.83 ± 0.02341
60
50
40
30
20
10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

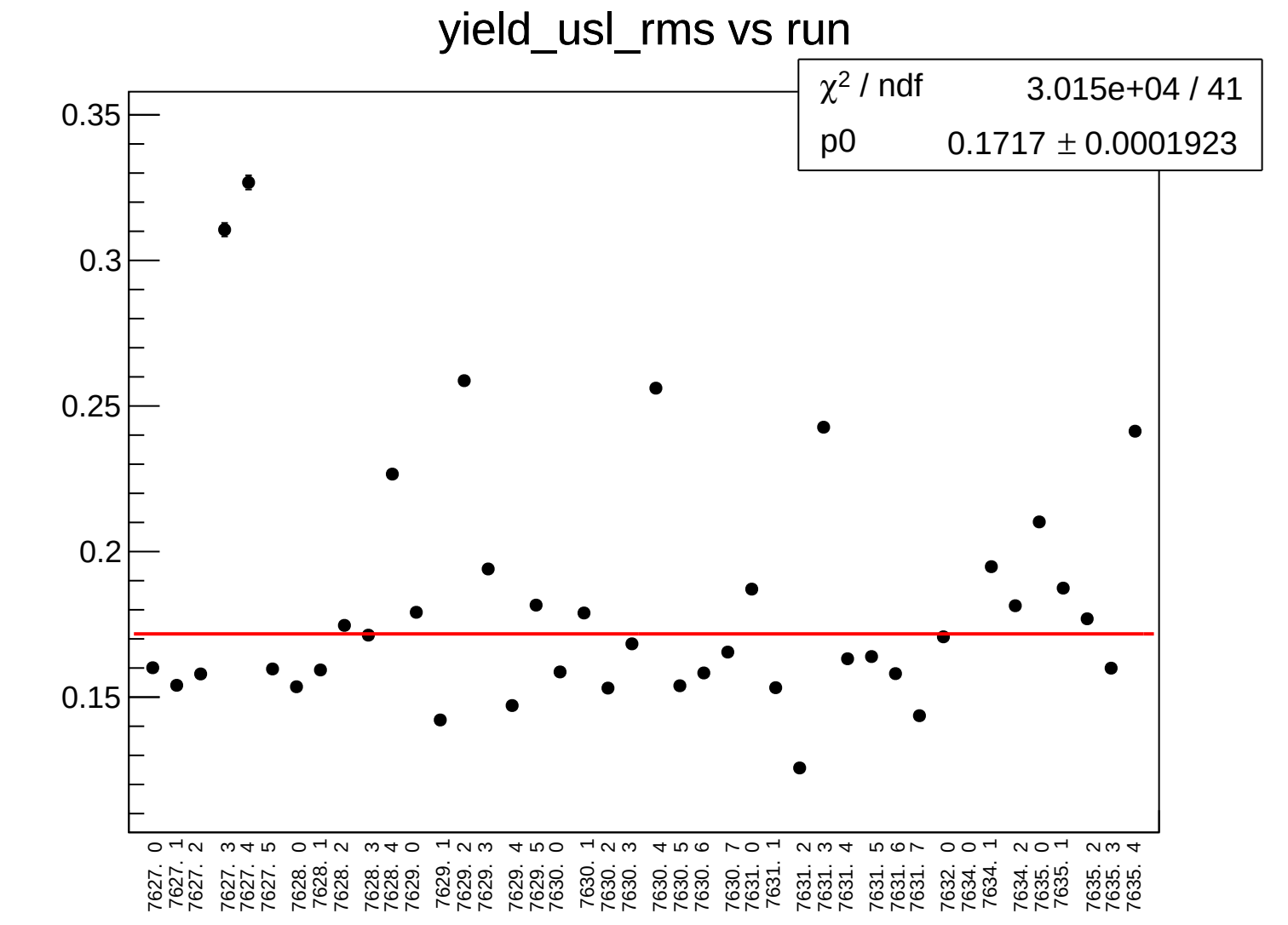

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.87 / 41
p0 −3.819e−13 ± 2.799e−13
pull
Entries 42
Mean 31
Std Dev 17.76

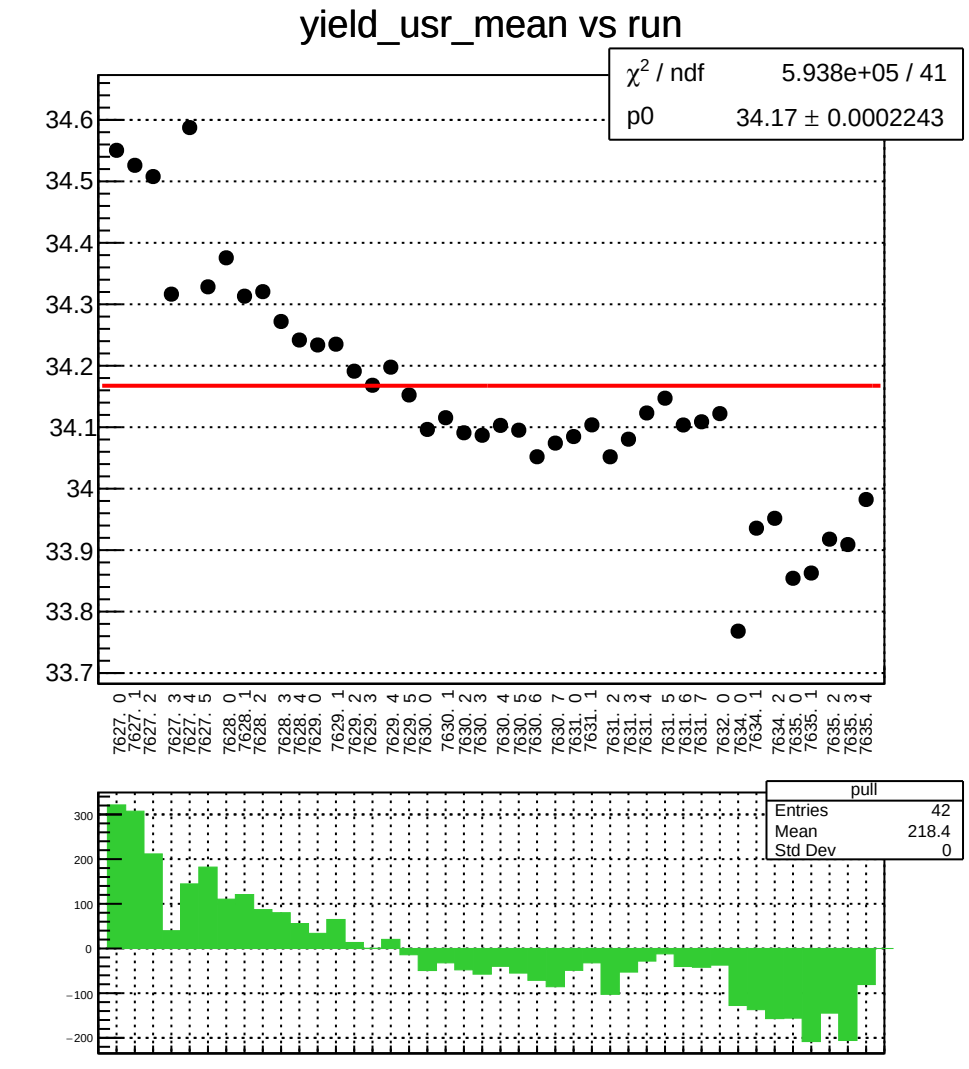

pull1D
Entries 42
Mean 0.04315
Std Dev 1.153

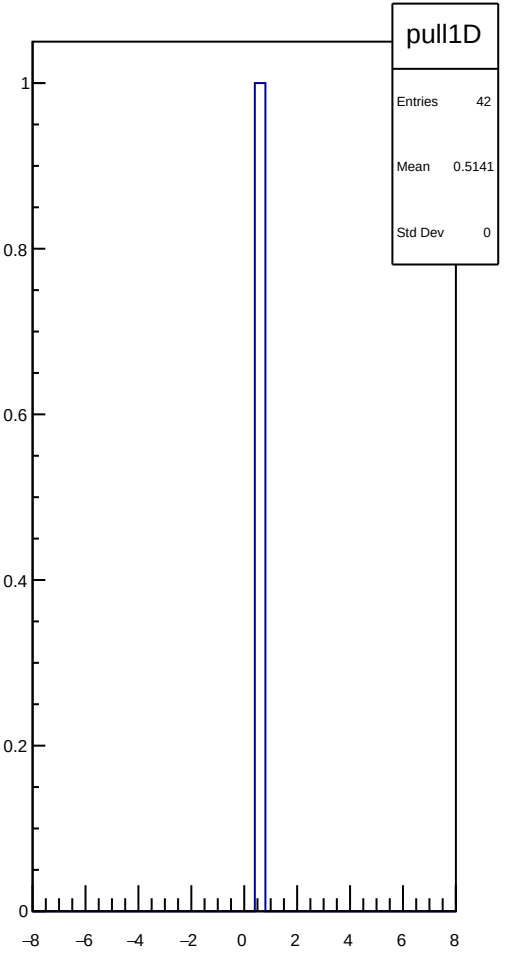

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.388e+05 / 41
p0 1.384e−10 ± 1.979e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

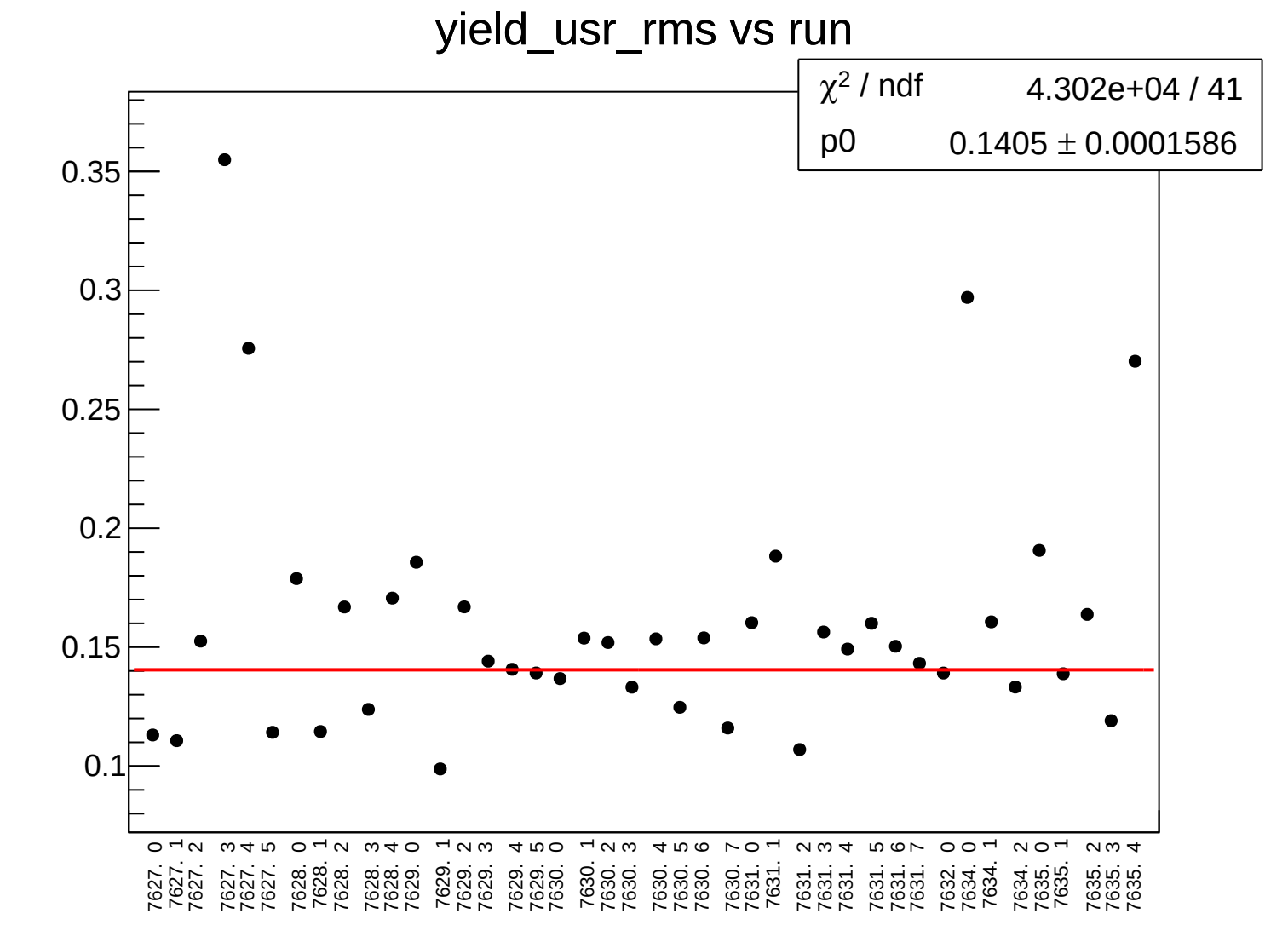

yield_usl_mean vs run
χ² / ndf 2.103e+05 / 41
p0 35.49 ± 0.0002719
35.8
35.7
35.6
35.5
35.4
35.3
35.2
35.1
35
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 218.5
Std Dev 0
150
100
50
0
−50
−100

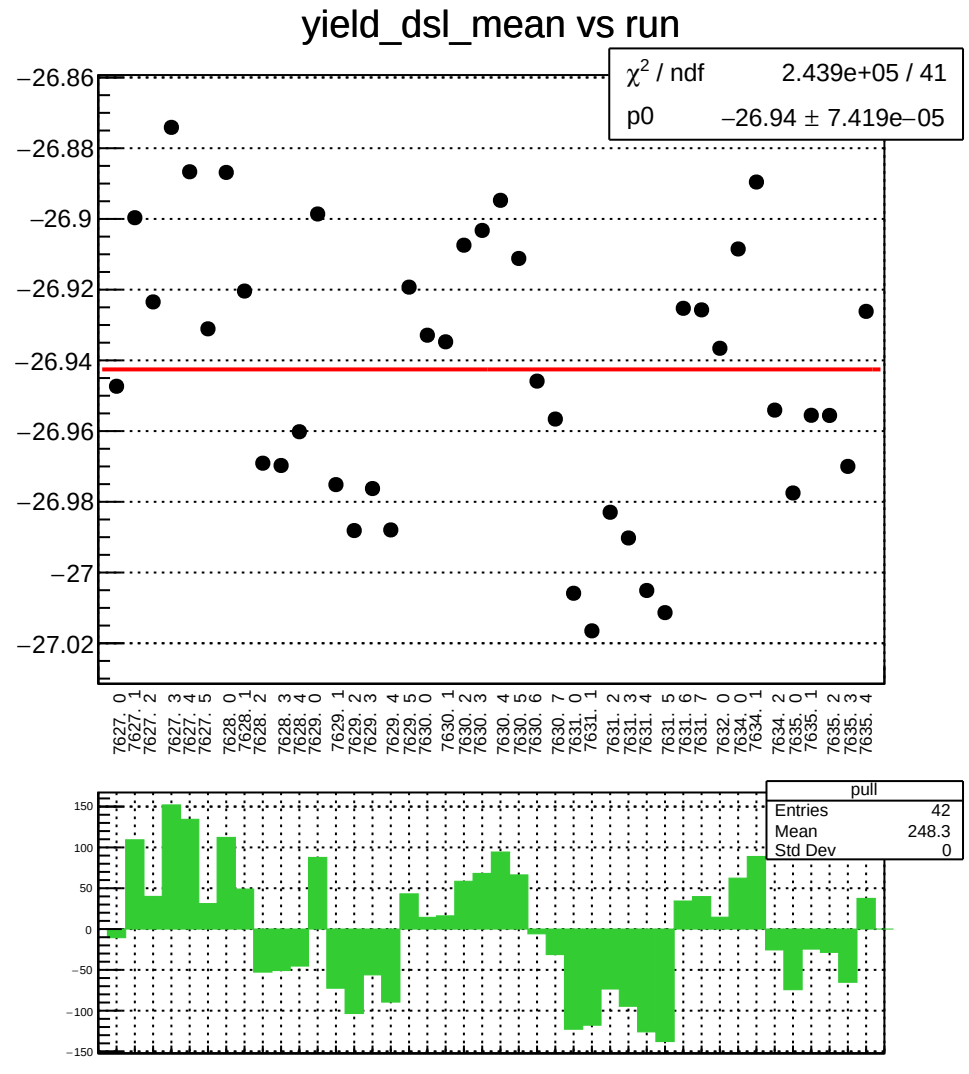

pull1D
Entries 42
Mean −7.264
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

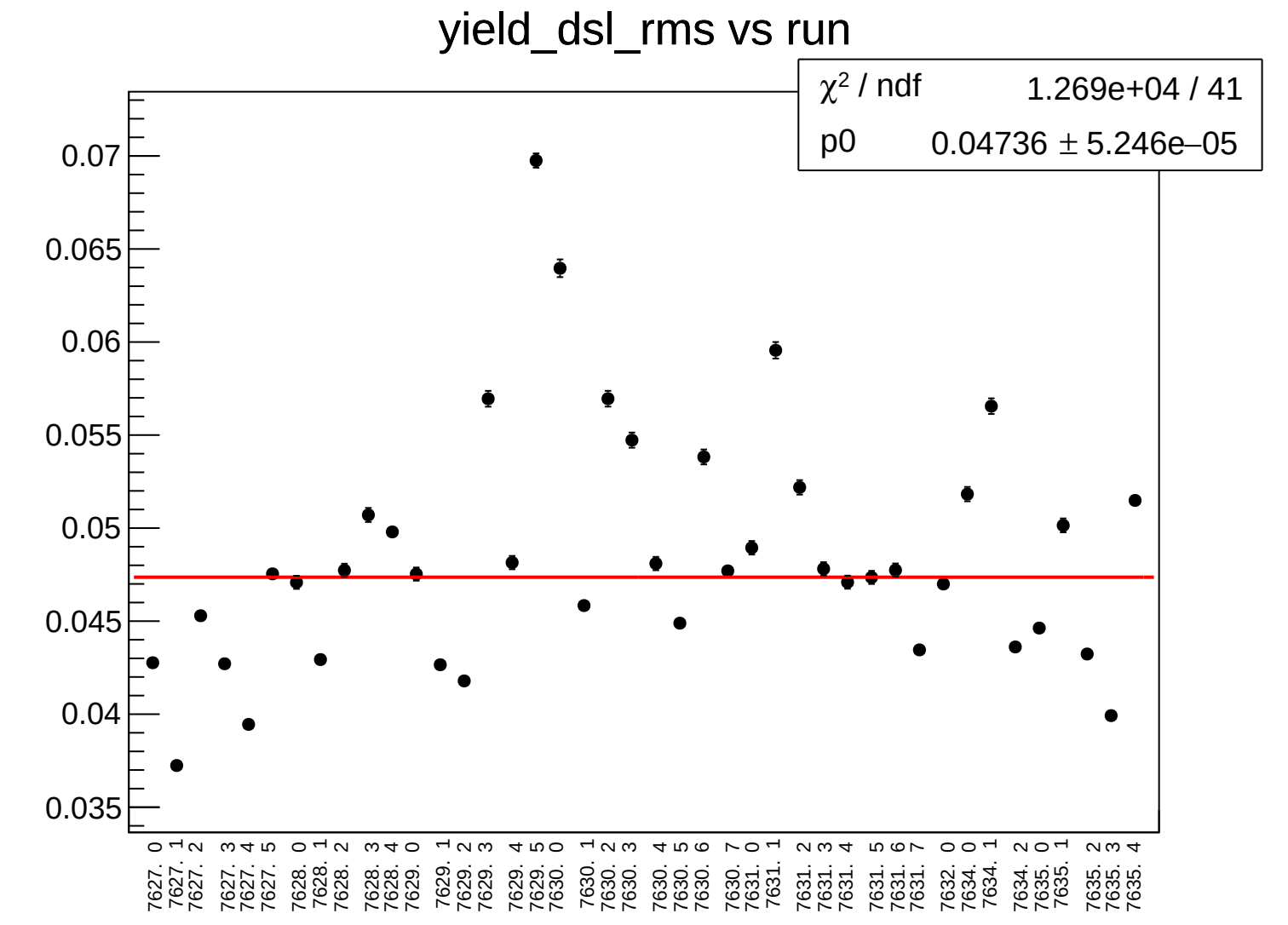

yield_usl_rms vs run
χ² / ndf 3.015e+04 / 41
p0 0.1717 ± 0.0001923
0.35
0.3
0.25
0.2
0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

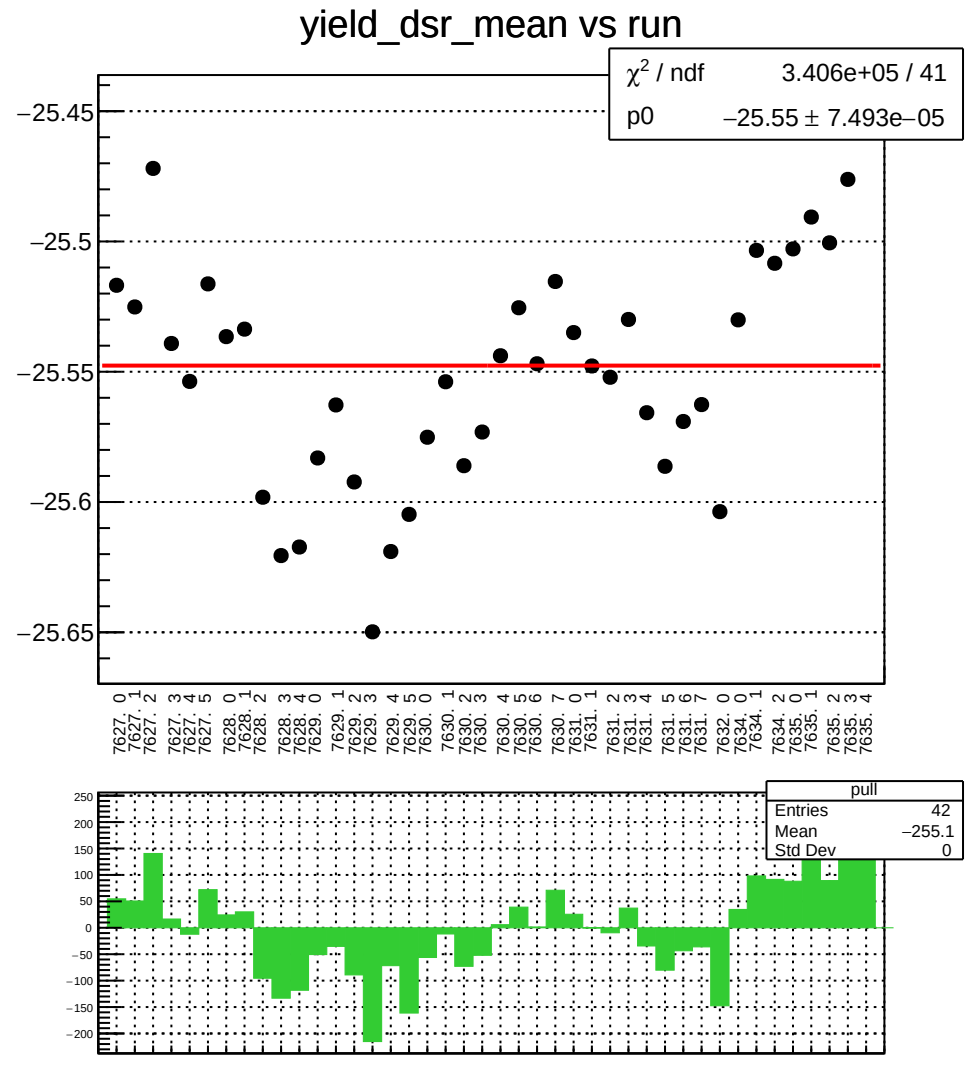

yield_usr_mean vs run
χ² / ndf 5.938e+05 / 41
p0 34.17 ± 0.0002243
34.6
34.5
34.4
34.3
34.2
34.1
34
33.9
33.8
33.7
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 218.4
Std Dev 0
300
200
100
0
−100
−200

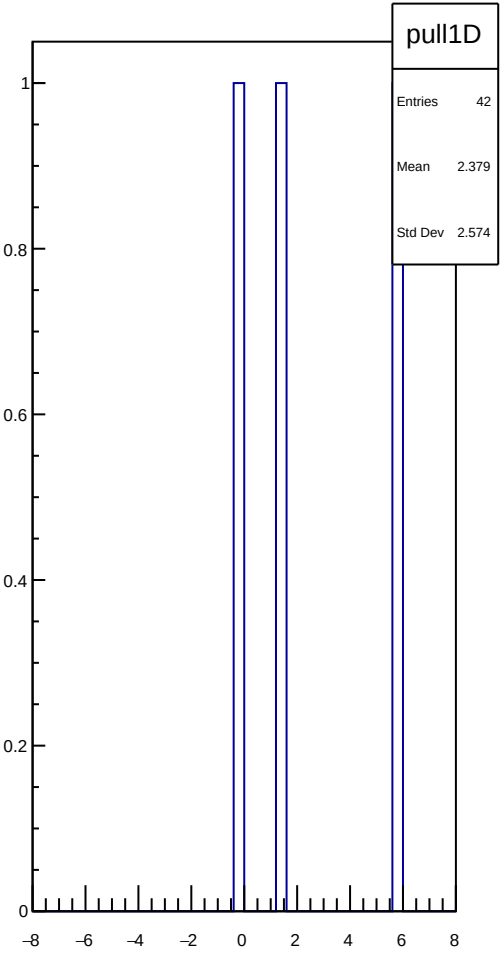

pull1D
Entries 42
Mean 0.5141
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

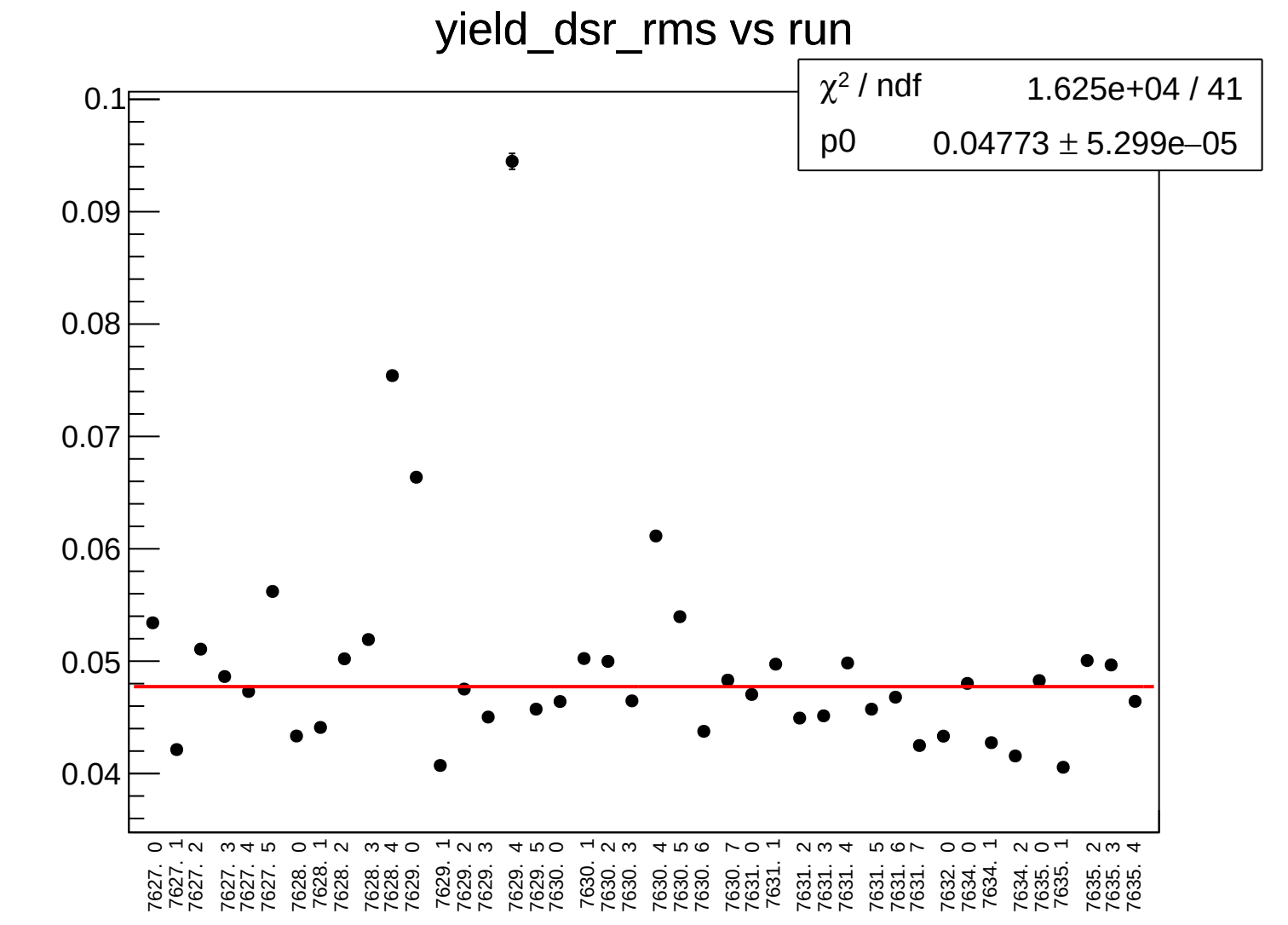

yield_usr_rms vs run
χ² / ndf 4.302e+04 / 41
p0 0.1405 ± 0.0001586
0.35
0.3
0.25
0.2
0.15
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

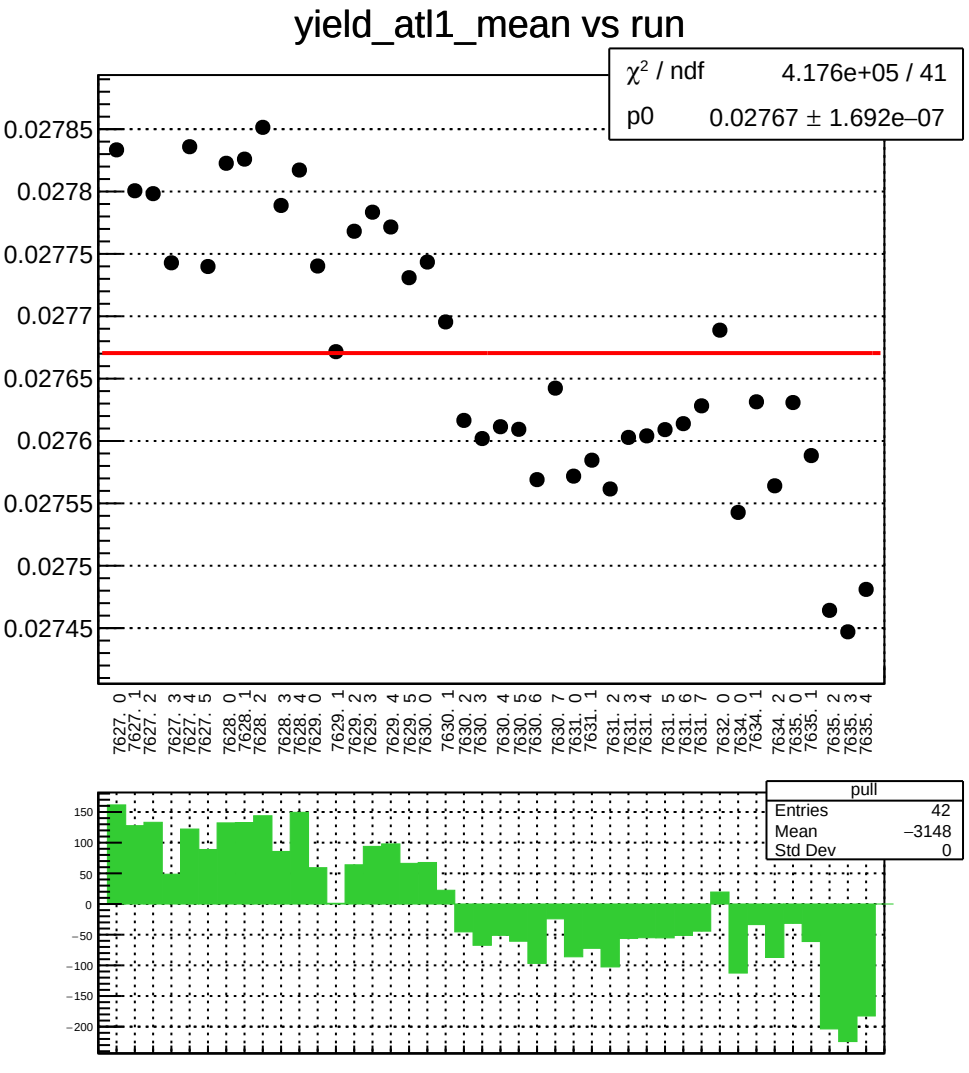

yield_dsl_mean vs run
χ² / ndf 2.439e+05 / 41
p0 −26.94 ± 7.419e−05
−26.86
−26.88
−26.9
−26.92
−26.94
−26.96
−26.98
−27
−27.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 248.3
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 42
Mean −5.829
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

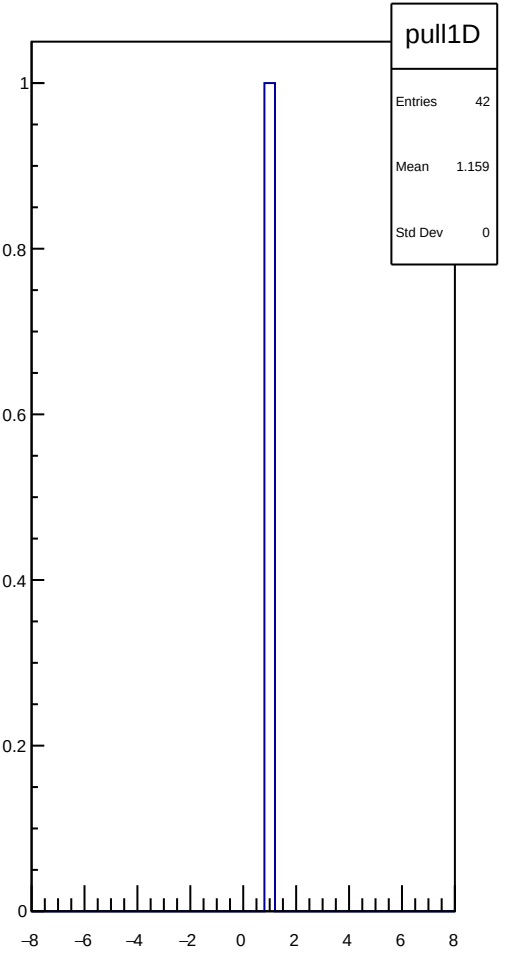

yield_dsl_rms vs run
χ² / ndf 1.269e+04 / 41
p0 0.04736 ± 5.246e–05
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

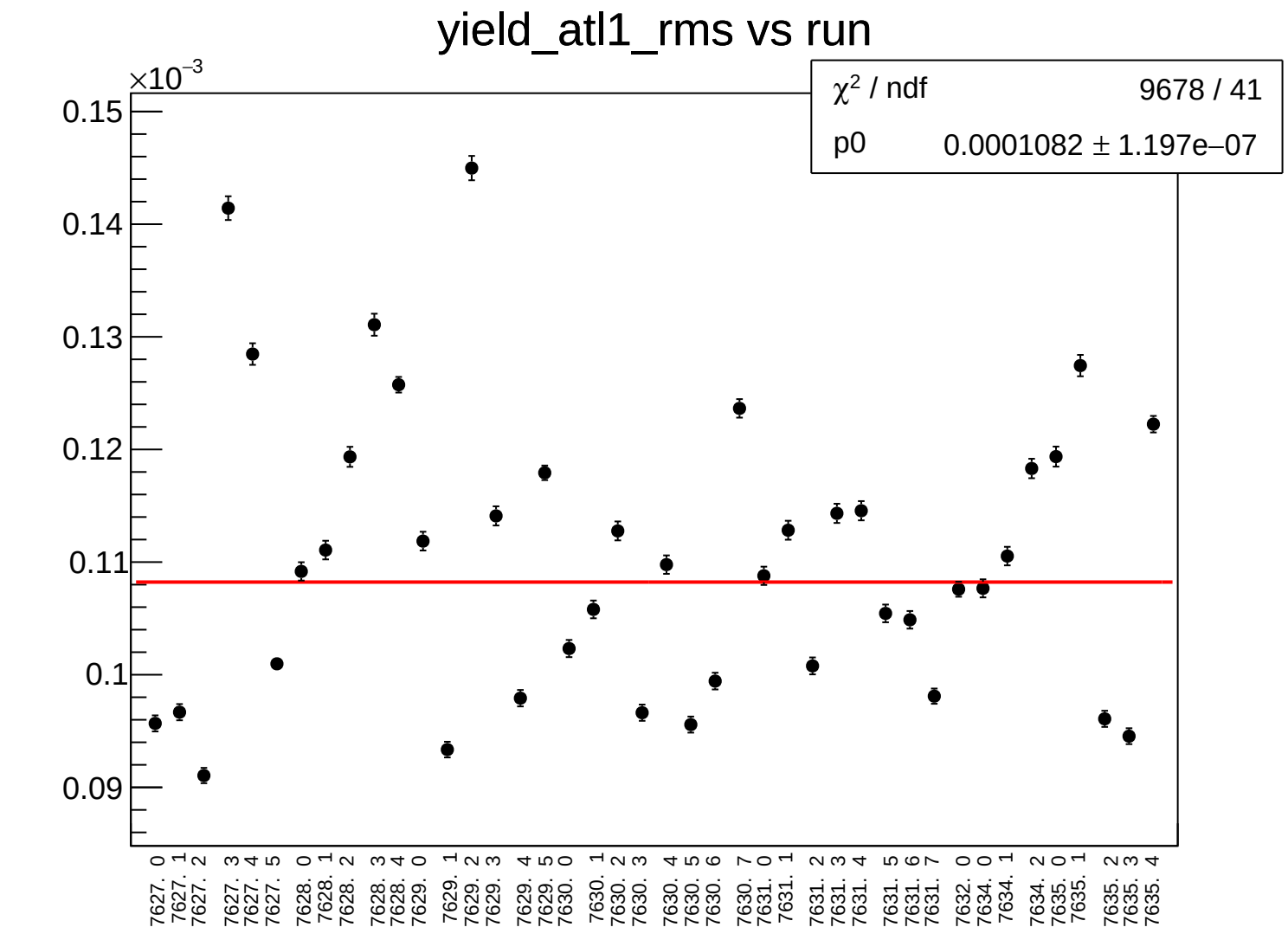

yield_dsr_mean vs run
χ² / ndf 3.406e+05 / 41
p0 −25.55 ± 7.493e−05
−25.45
−25.5
−25.55
−25.6
−25.65
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −255.1
Std Dev 0
250
200
150
100
50
0
−50
−100
−150
−200

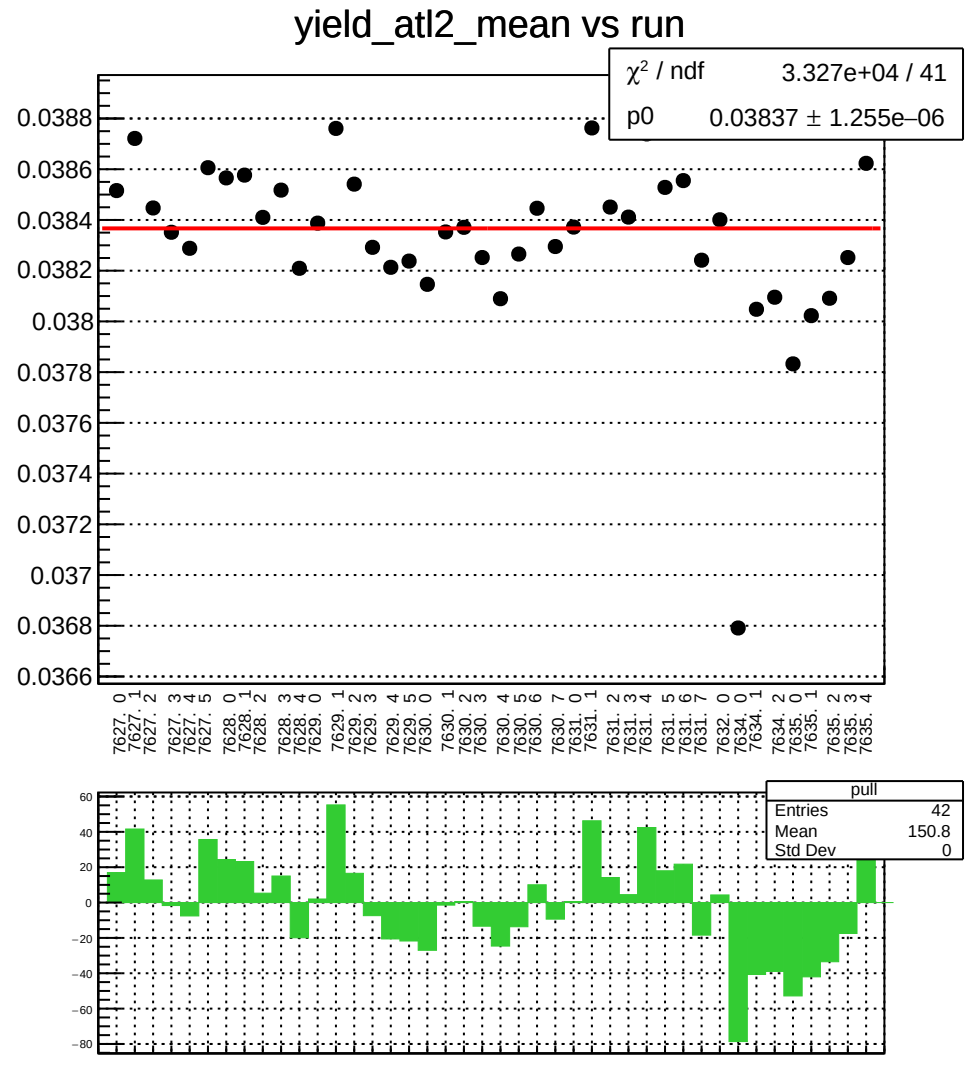

pull1D
Entries 42
Mean 2.379
Std Dev 2.574
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

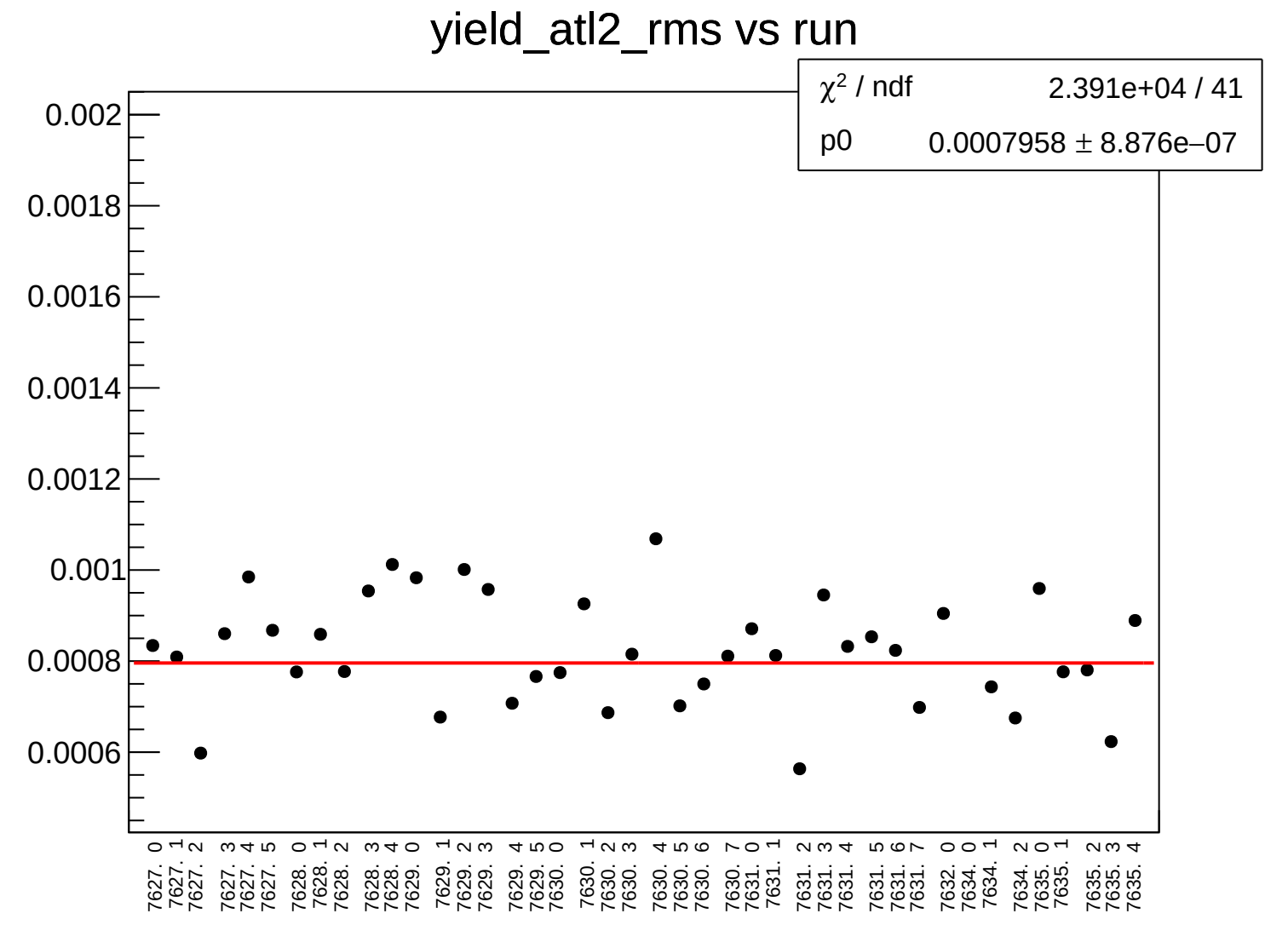

yield_dsr_rms vs run
χ² / ndf 1.625e+04 / 41
p0 0.04773 ± 5.299e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

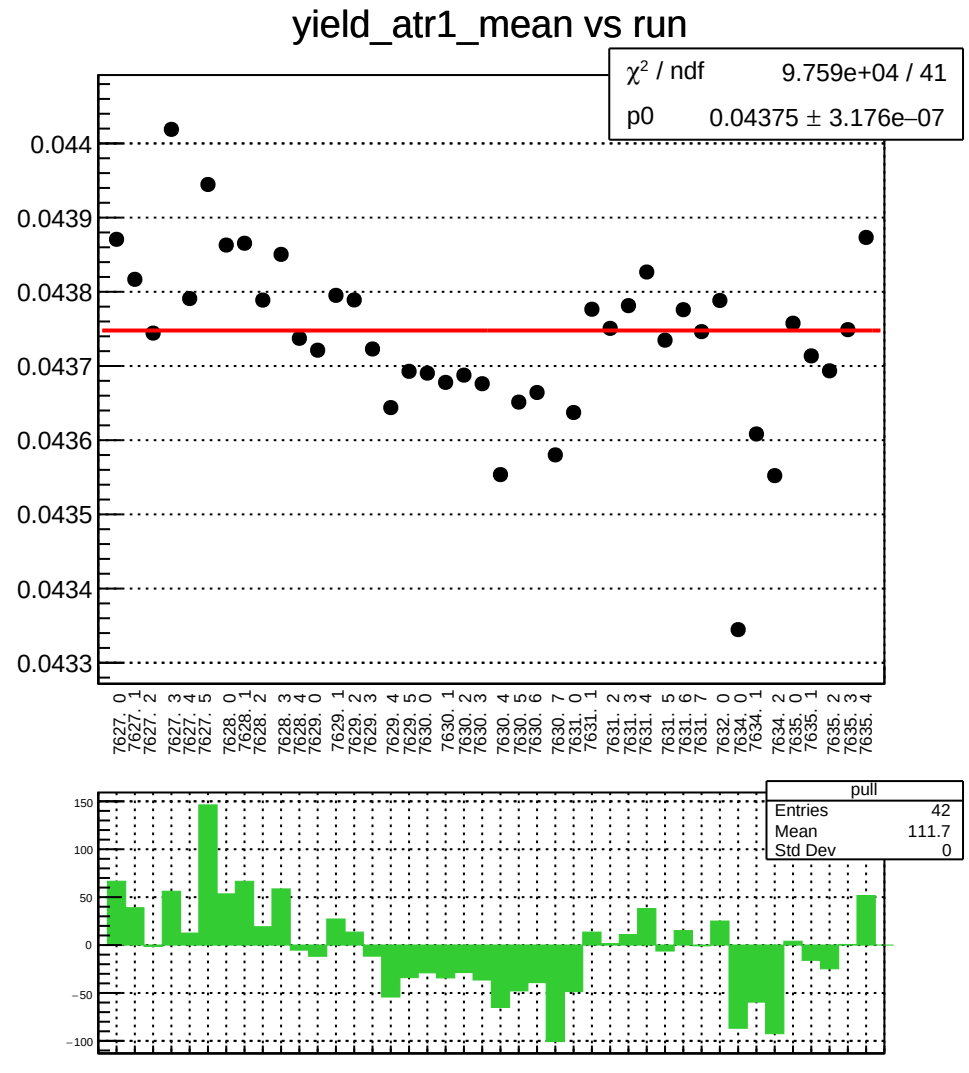

yield_atl1_mean vs run
χ² / ndf 4.176e+05 / 41
p0 0.02767 ± 1.692e−07
0.02785
0.0278
0.02775
0.0277
0.02765
0.0276
0.02755
0.0275
0.02745
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −3148
Std Dev 0
150
100
50
0
−50
−100
−150
−200

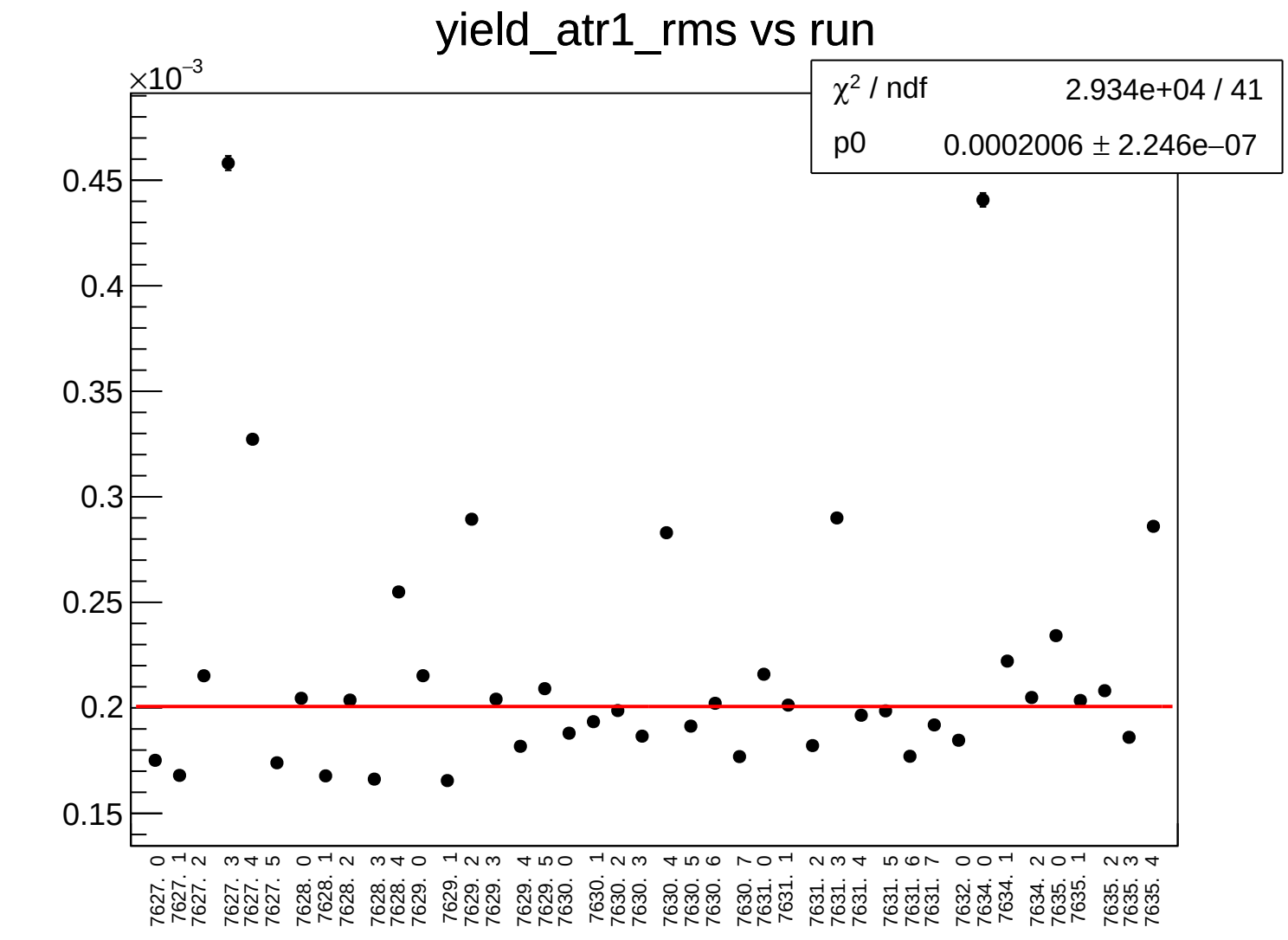

pull1D
Entries 42
Mean 1.159
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

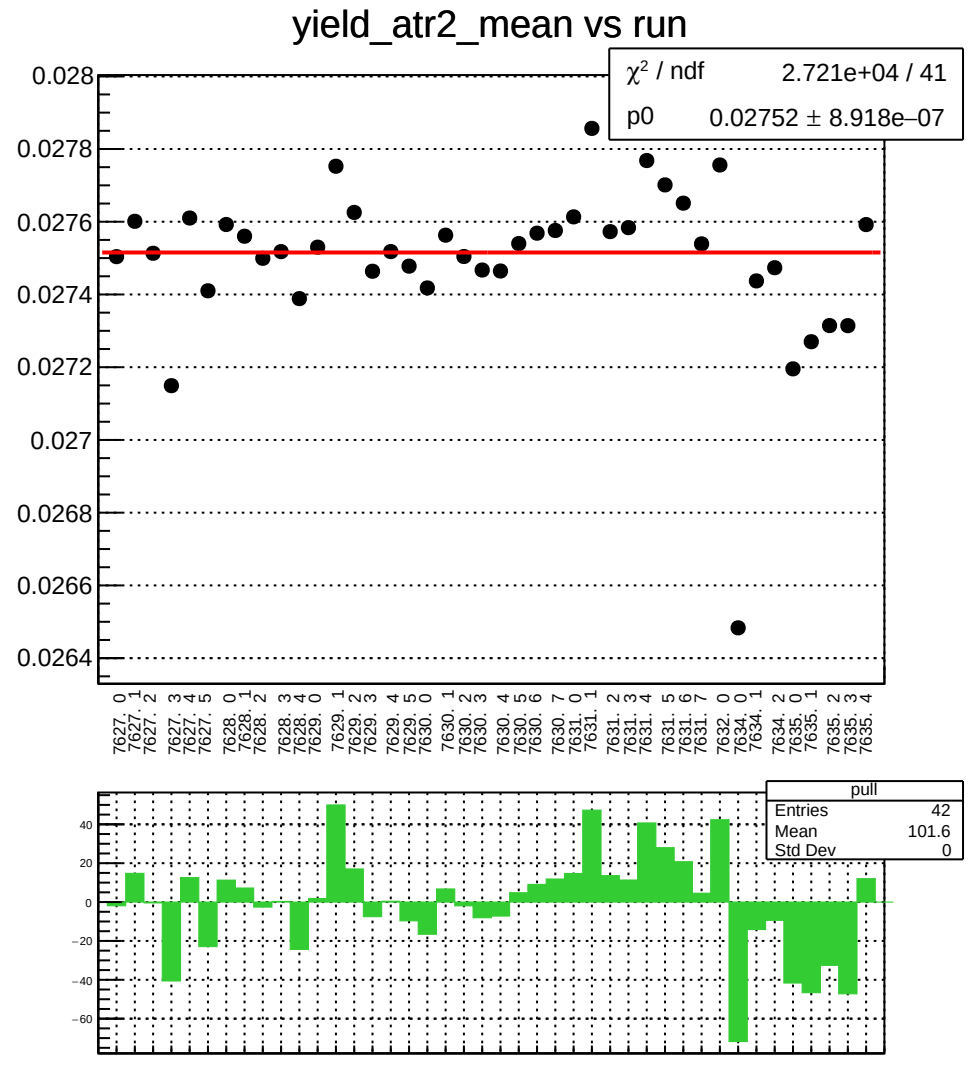

yield_atl1_rms vs run
×10⁻³
χ² / ndf 9678 / 41
p0 0.0001082 ± 1.197e−07
0.15
0.14
0.13
0.12
0.11
0.1
0.09
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

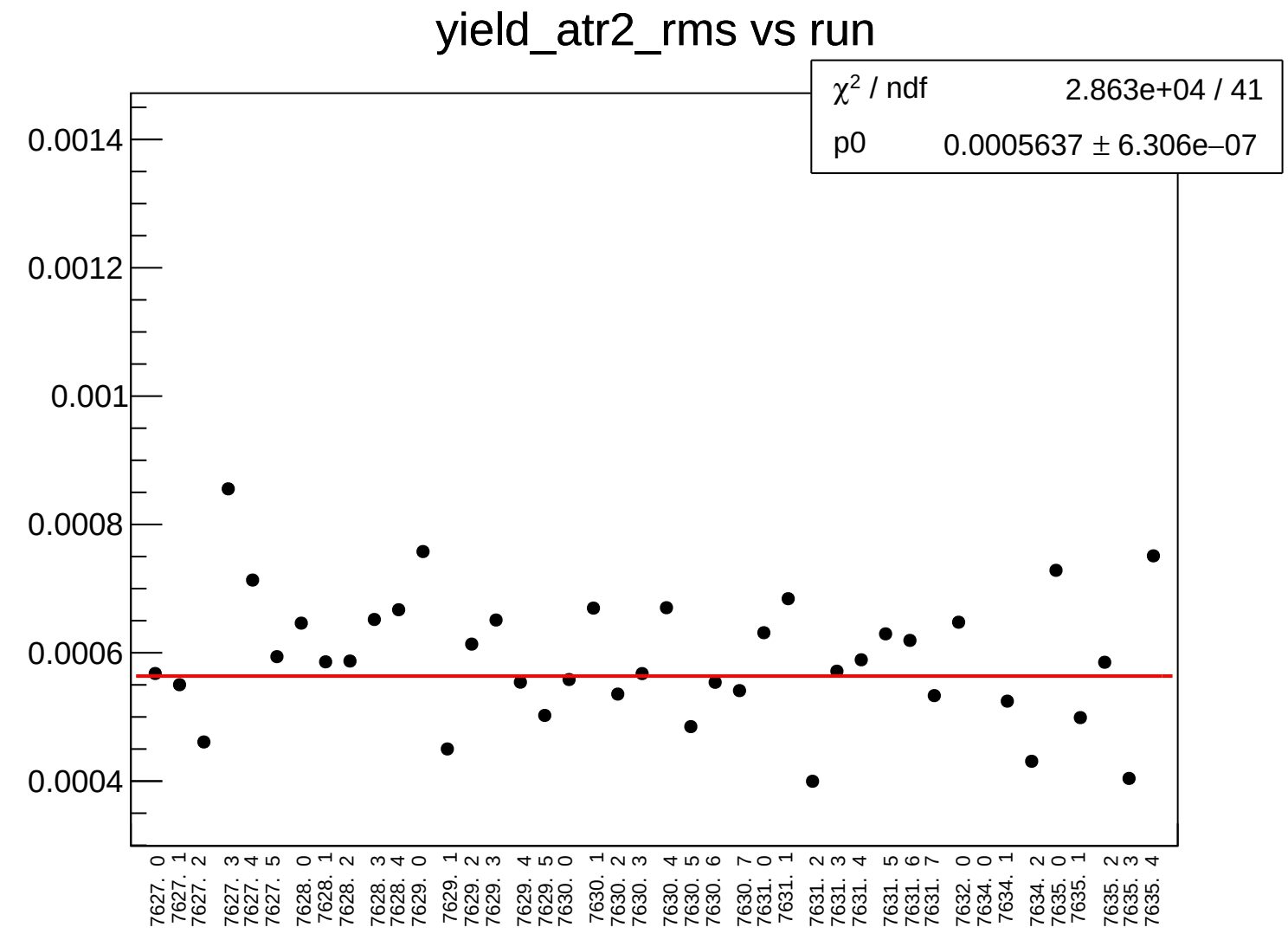

yield_atl2_mean vs run
χ² / ndf 3.327e+04 / 41
p0 0.03837 ± 1.255e−06
0.0388
0.0386
0.0384
0.0382
0.038
0.0378
0.0376
0.0374
0.0372
0.037
0.0368
0.0366
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 150.8
Std Dev 0
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 42
Mean −0.08373
Std Dev 4.335
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

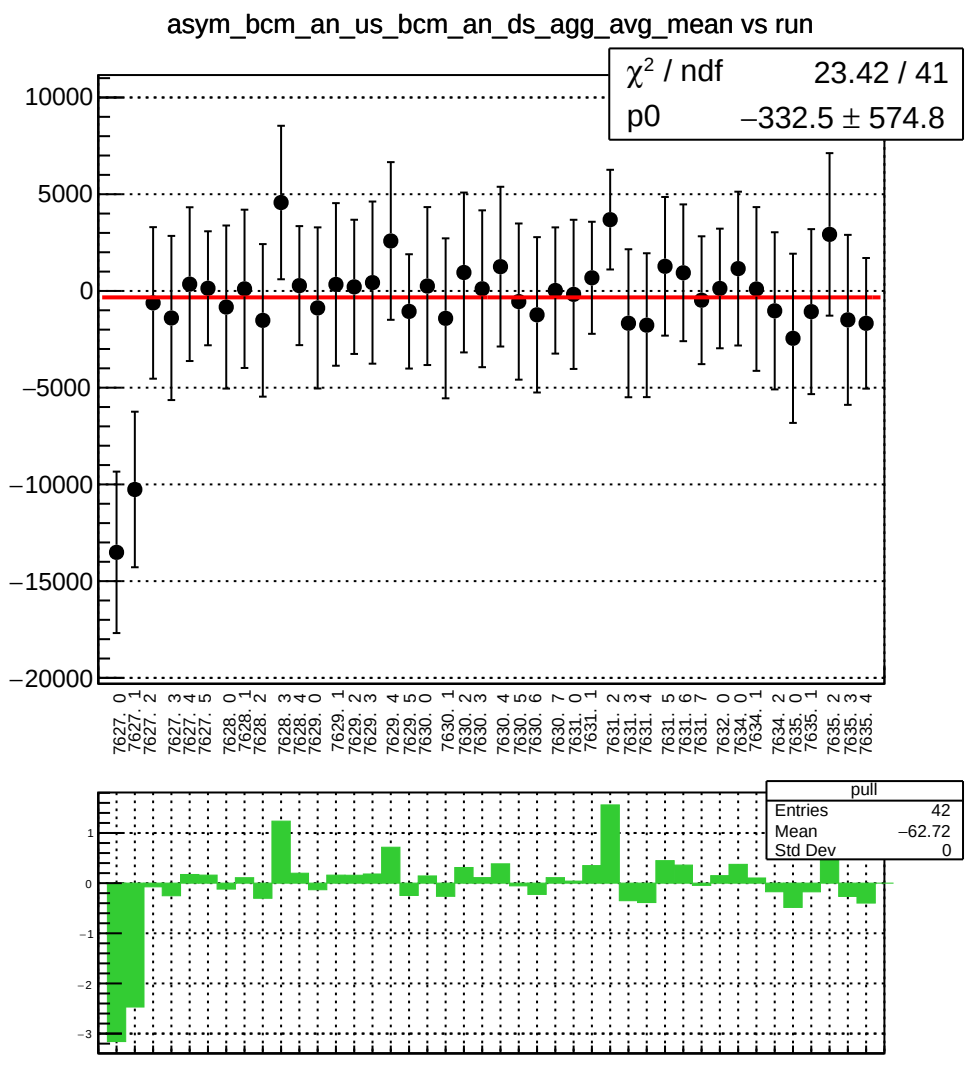

yield_atl2_rms vs run
χ² / ndf 2.391e+04 / 41
p0 0.0007958 ± 8.876e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

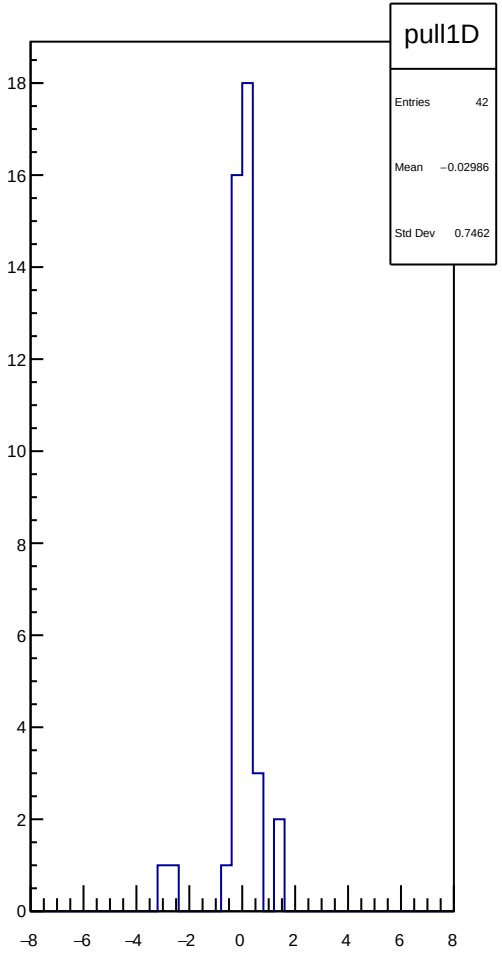

yield_atr1_mean vs run
χ² / ndf 9.759e+04 / 41
p0 0.04375 ± 3.176e−07
0.044
0.0439
0.0438
0.0437
0.0436
0.0435
0.0434
0.0433
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 111.7
Std Dev 0
150
100
50
0
−50
−100
pull1D
Entries 42
Mean −1.098
Std Dev 3.369
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

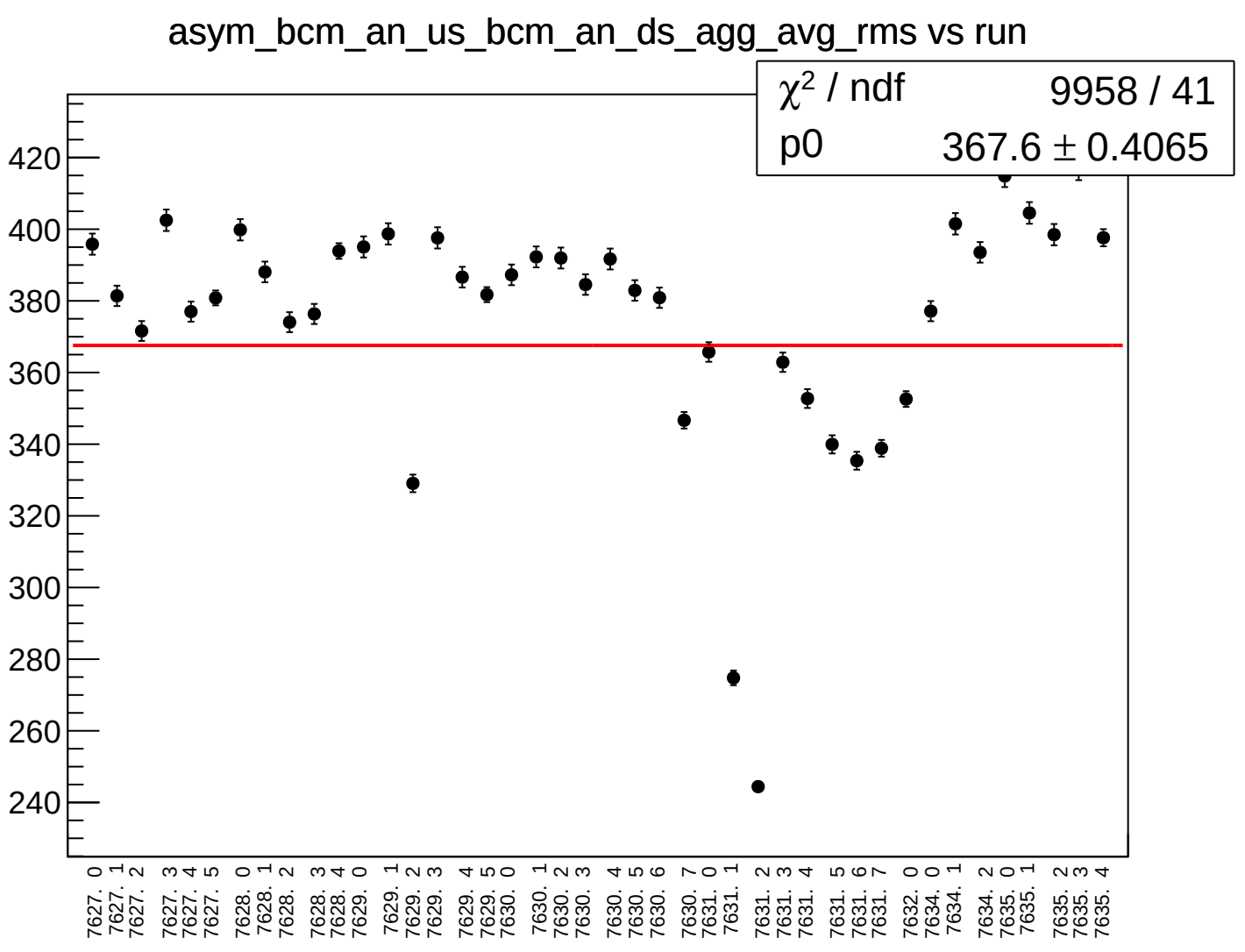

yield_atr1_rms vs run
×10⁻³
χ² / ndf 2.934e+04 / 41
p0 0.0002006 ± 2.246e−07
0.45
0.4
0.35
0.3
0.25
0.2
0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

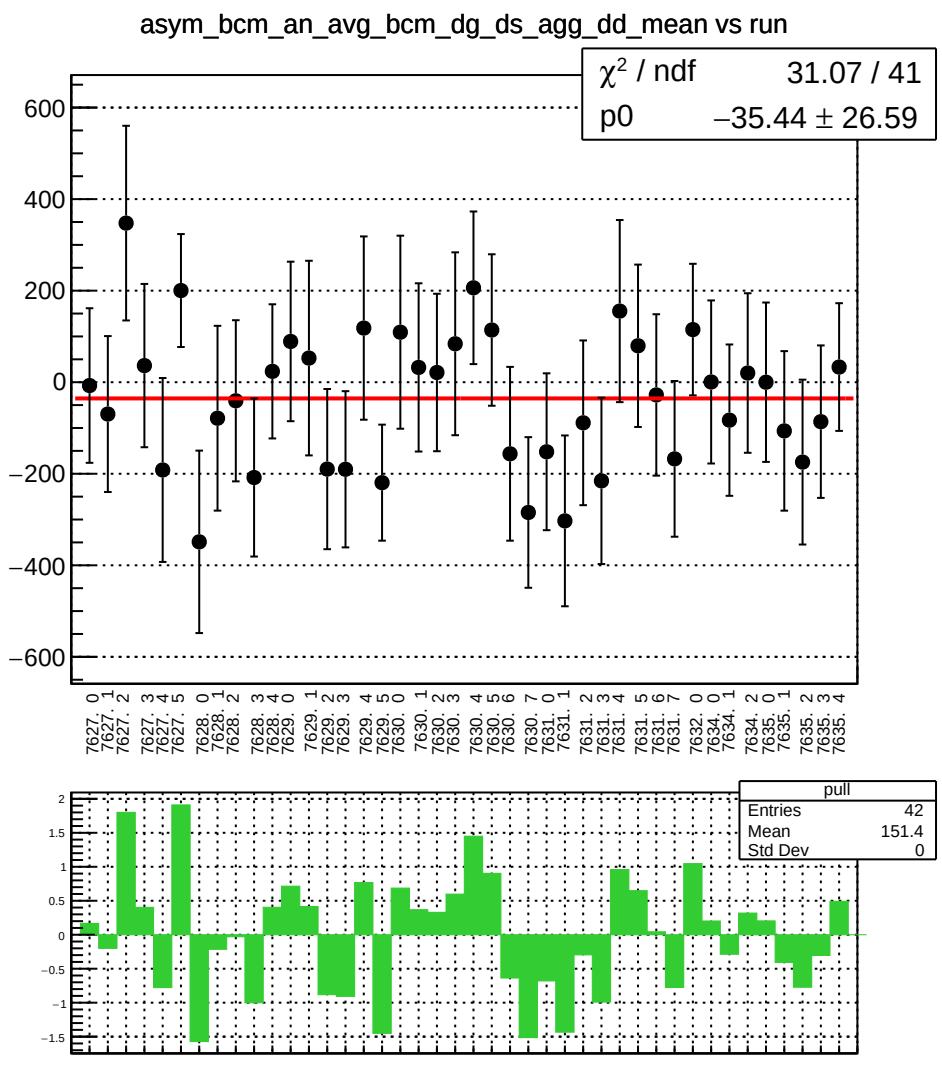

yield_atr2_mean vs run
χ² / ndf 2.721e+04 / 41
p0 0.02752 ± 8.918e−07
0.028
0.0278
0.0276
0.0274
0.0272
0.027
0.0268
0.0266
0.0264
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 101.6
Std Dev 0
40
20
0
−20
−40
−60
pull1D
Entries 42
Mean 0.3337
Std Dev 4.529
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

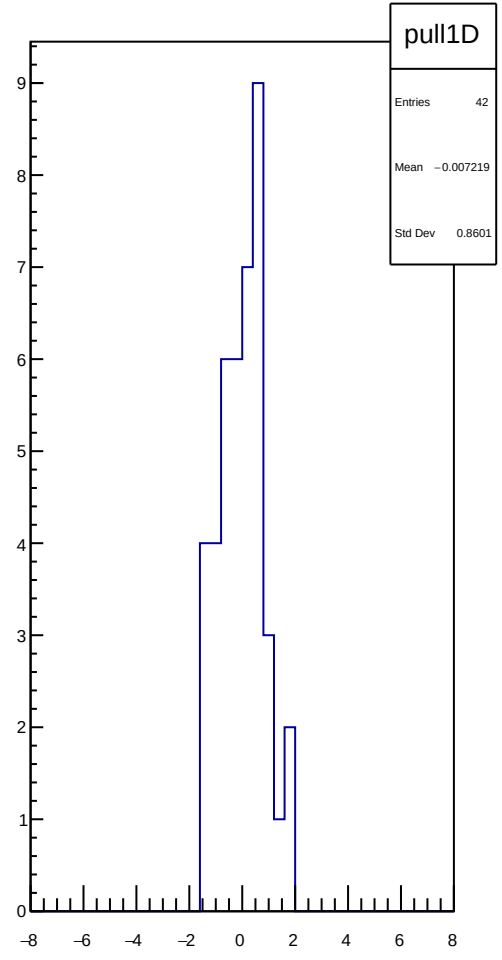

yield_atr2_rms vs run
χ² / ndf 2.863e+04 / 41
p0 0.0005637 ± 6.306e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

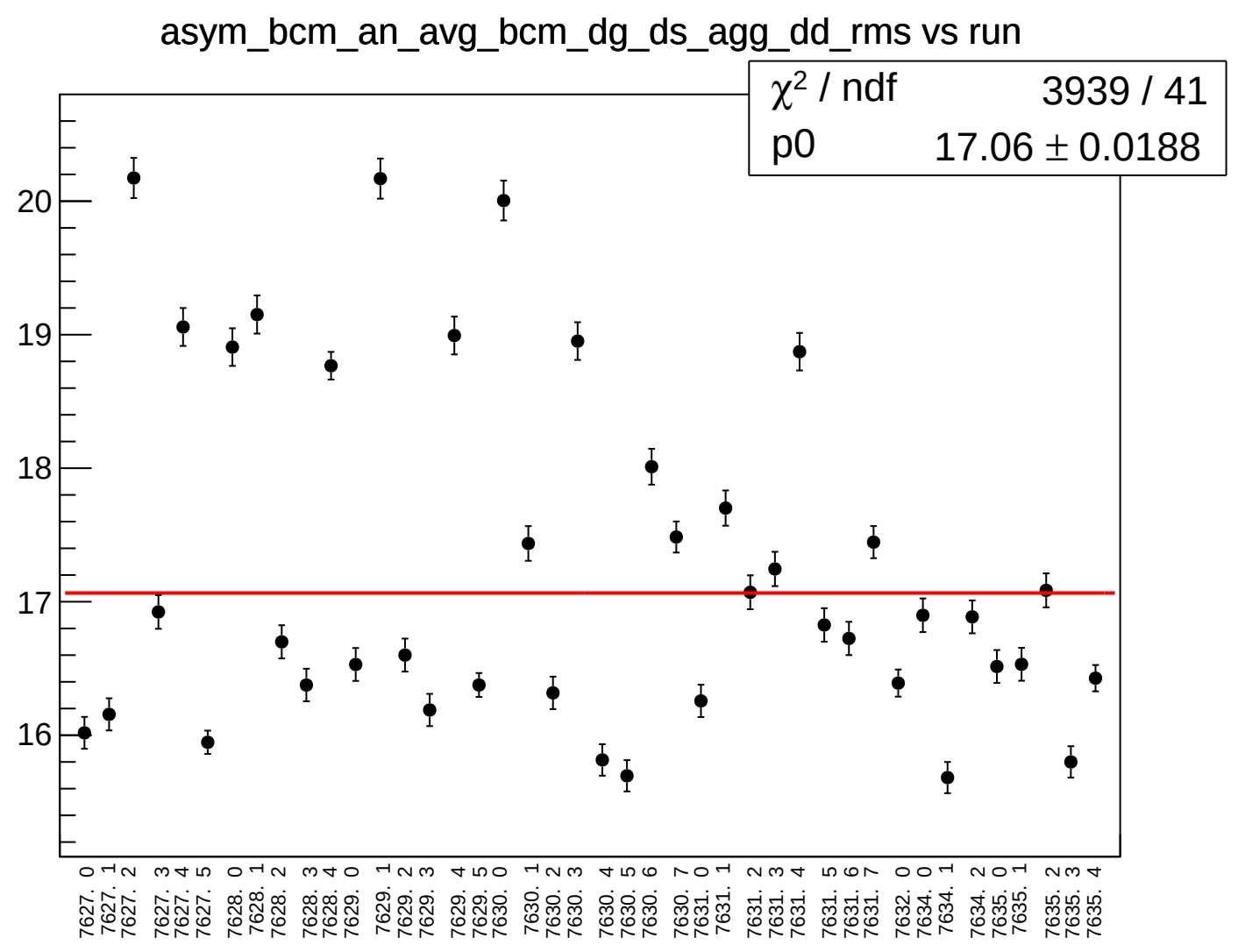

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 23.42 / 41
p0 −332.5 ± 574.8
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −62.72
Std Dev 0
1
0
−1
−2
−3

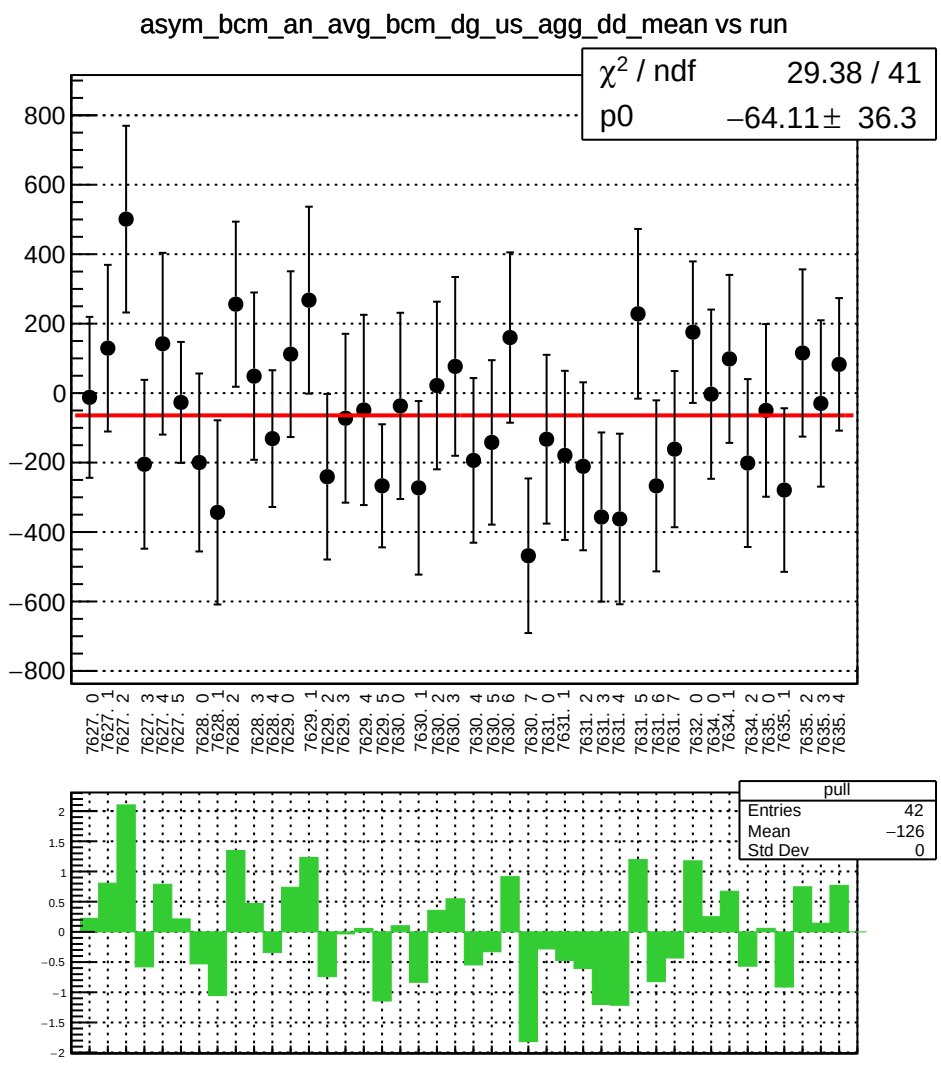

pull1D
Entries 42
Mean −0.02986
Std Dev 0.7462
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

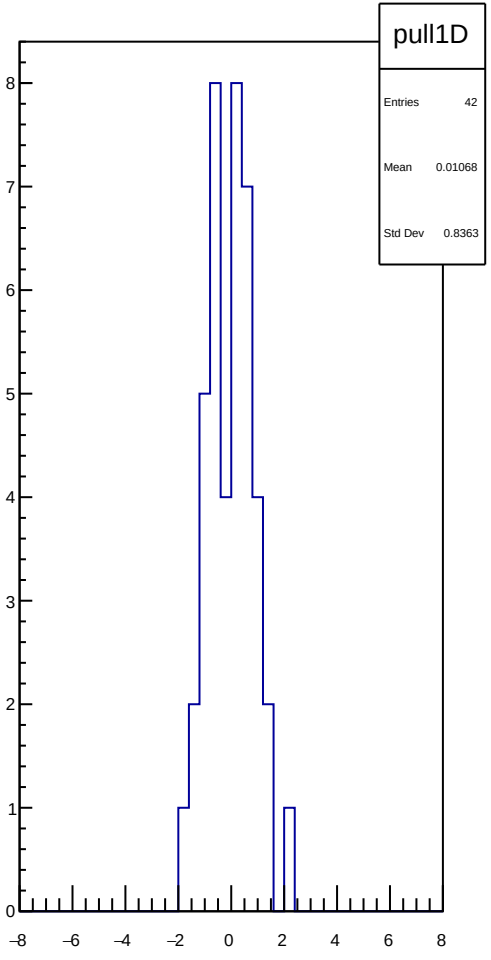

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9958 / 41
p0 367.6 ± 0.4065
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

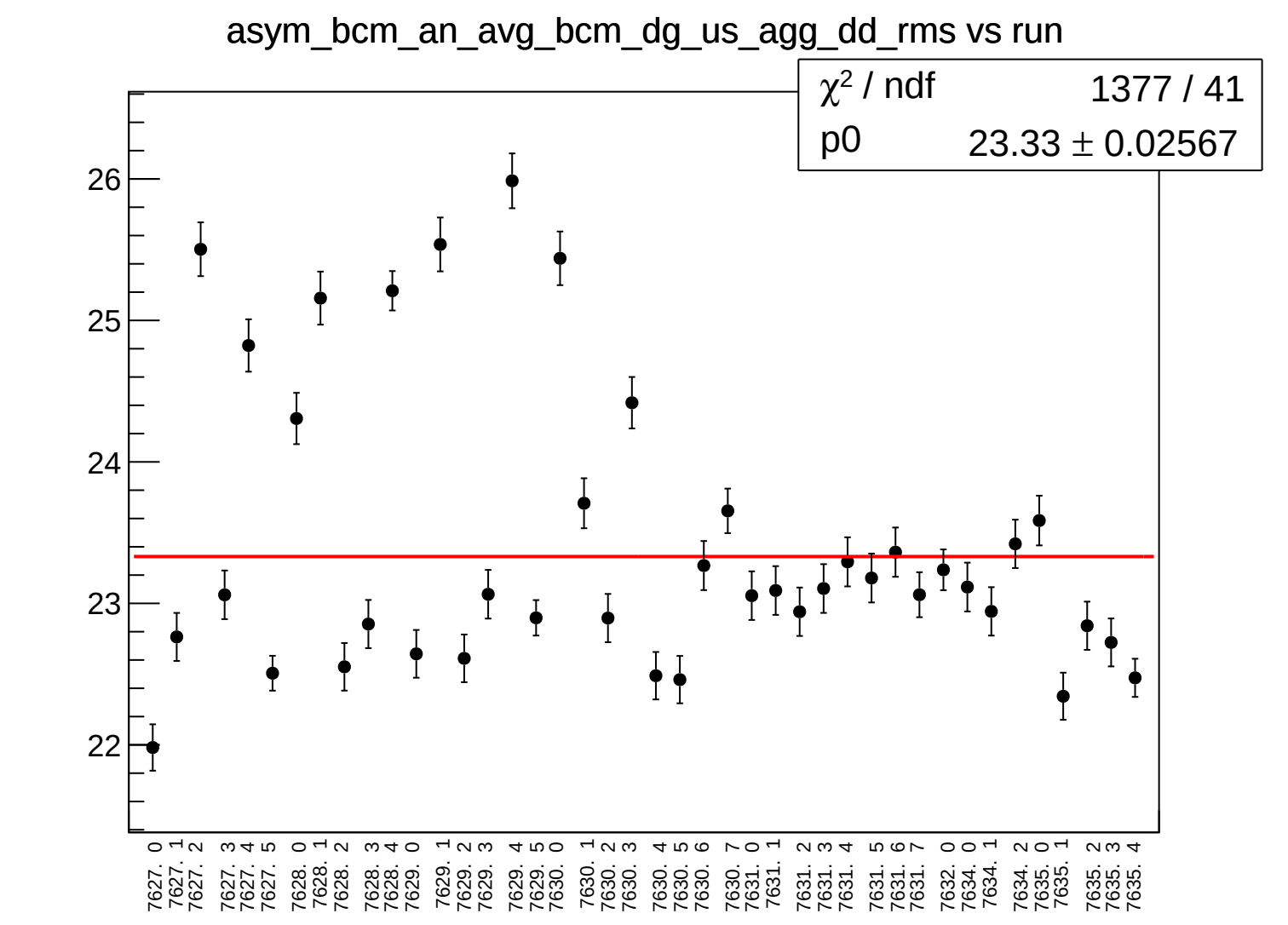

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 31.07 / 41
p0 −35.44 ± 26.59
600
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 151.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

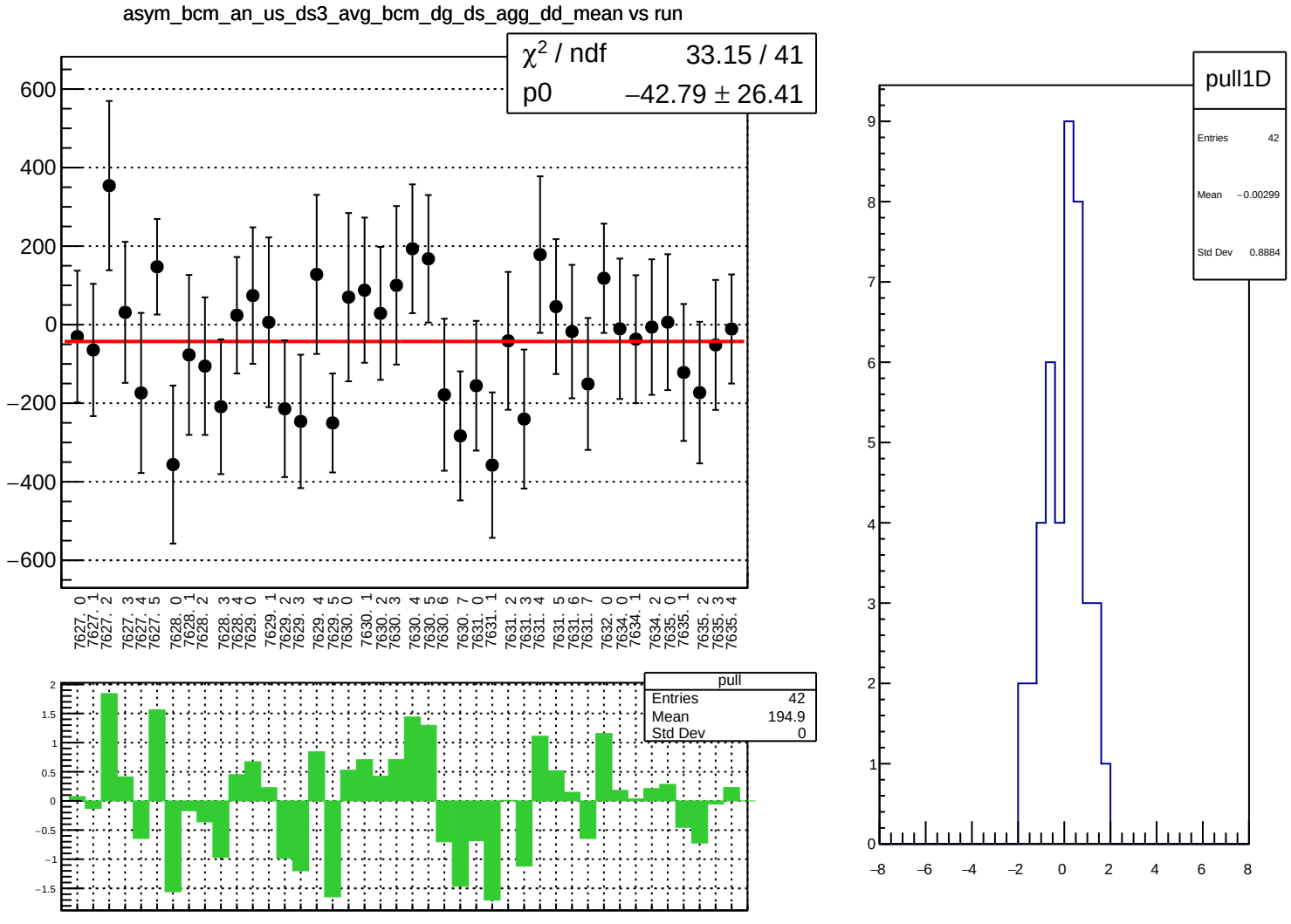

pull1D
Entries 42
Mean −0.007219
Std Dev 0.8601
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

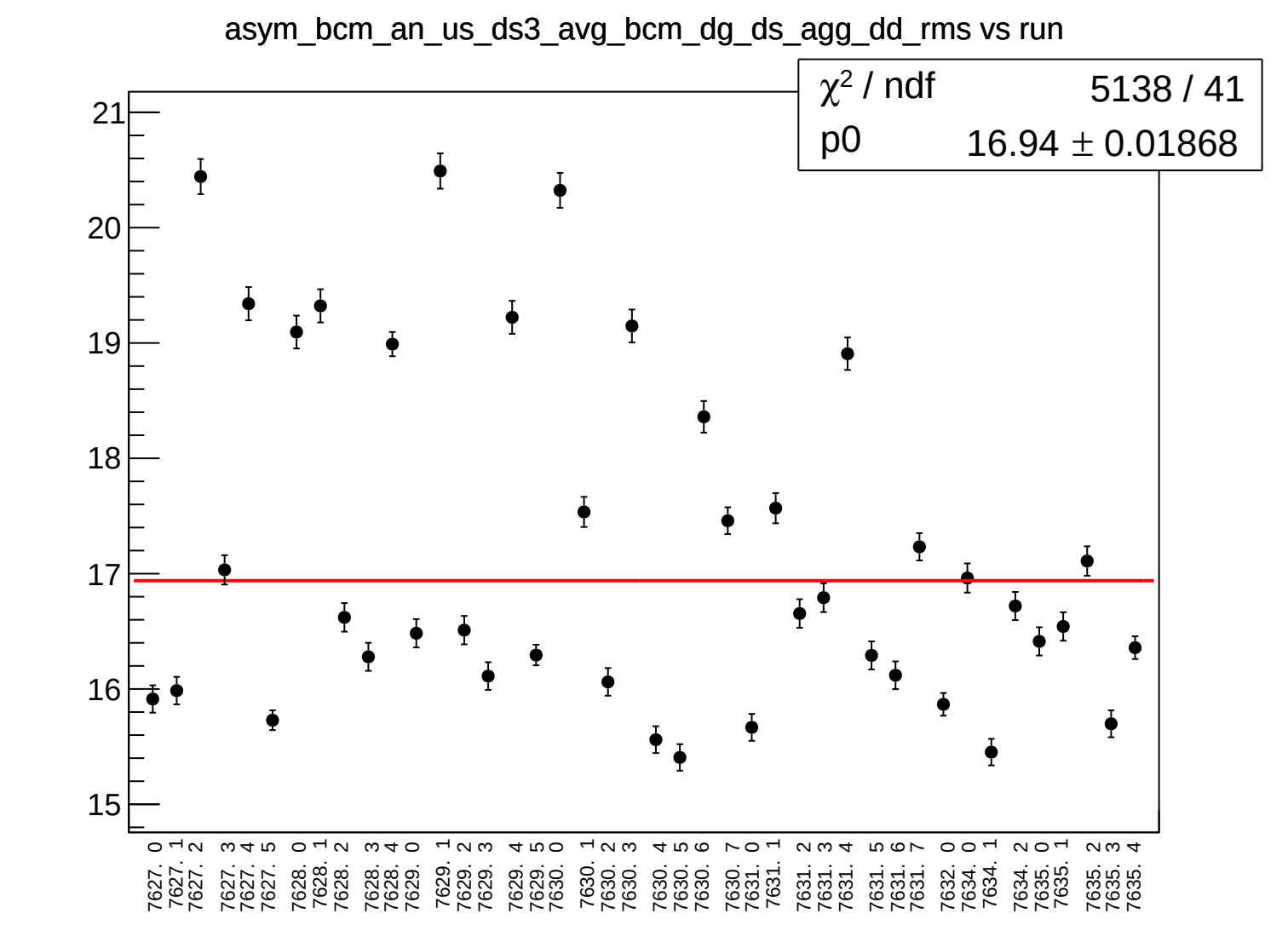

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3939 / 41
p0 17.06 ± 0.0188
20
19
18
17
16
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

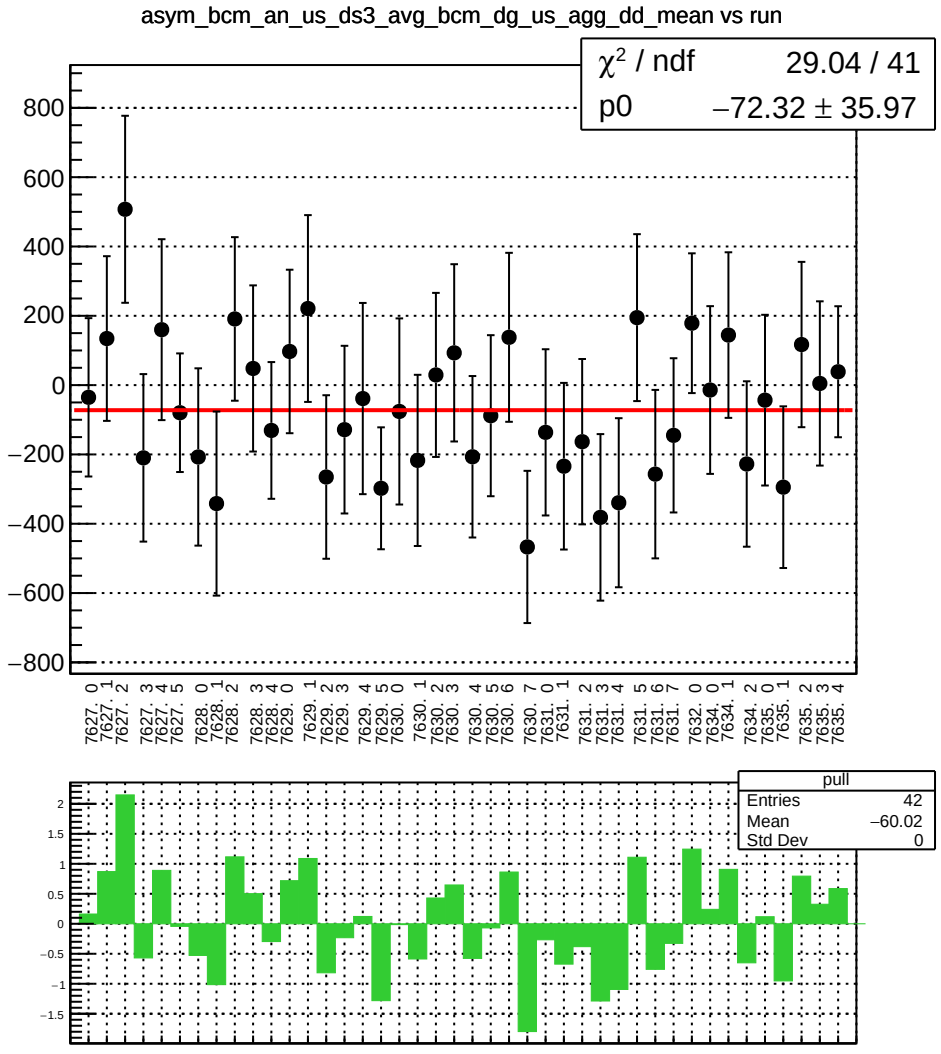

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 29.38 / 41
p0 −64.11± 36.3
pull
Entries 42
Mean −126
Std Dev 0

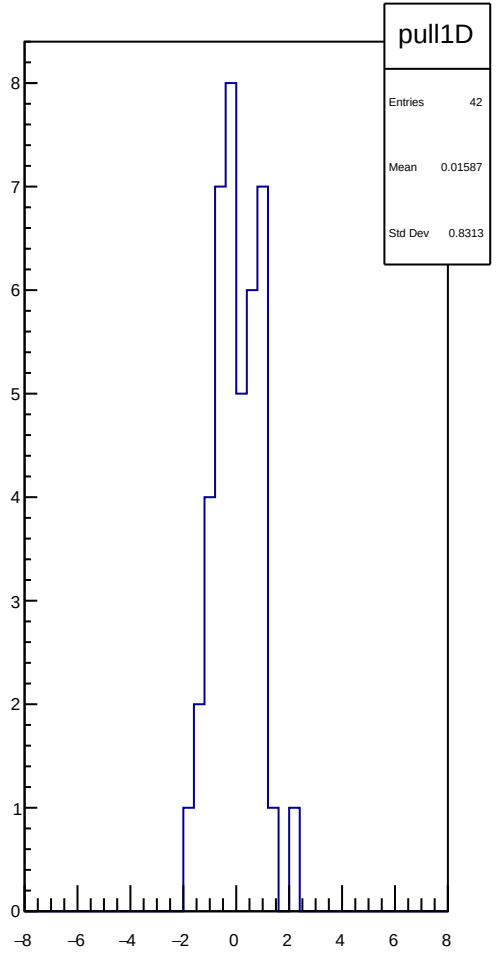

pull1D
Entries 42
Mean 0.01068
Std Dev 0.8363

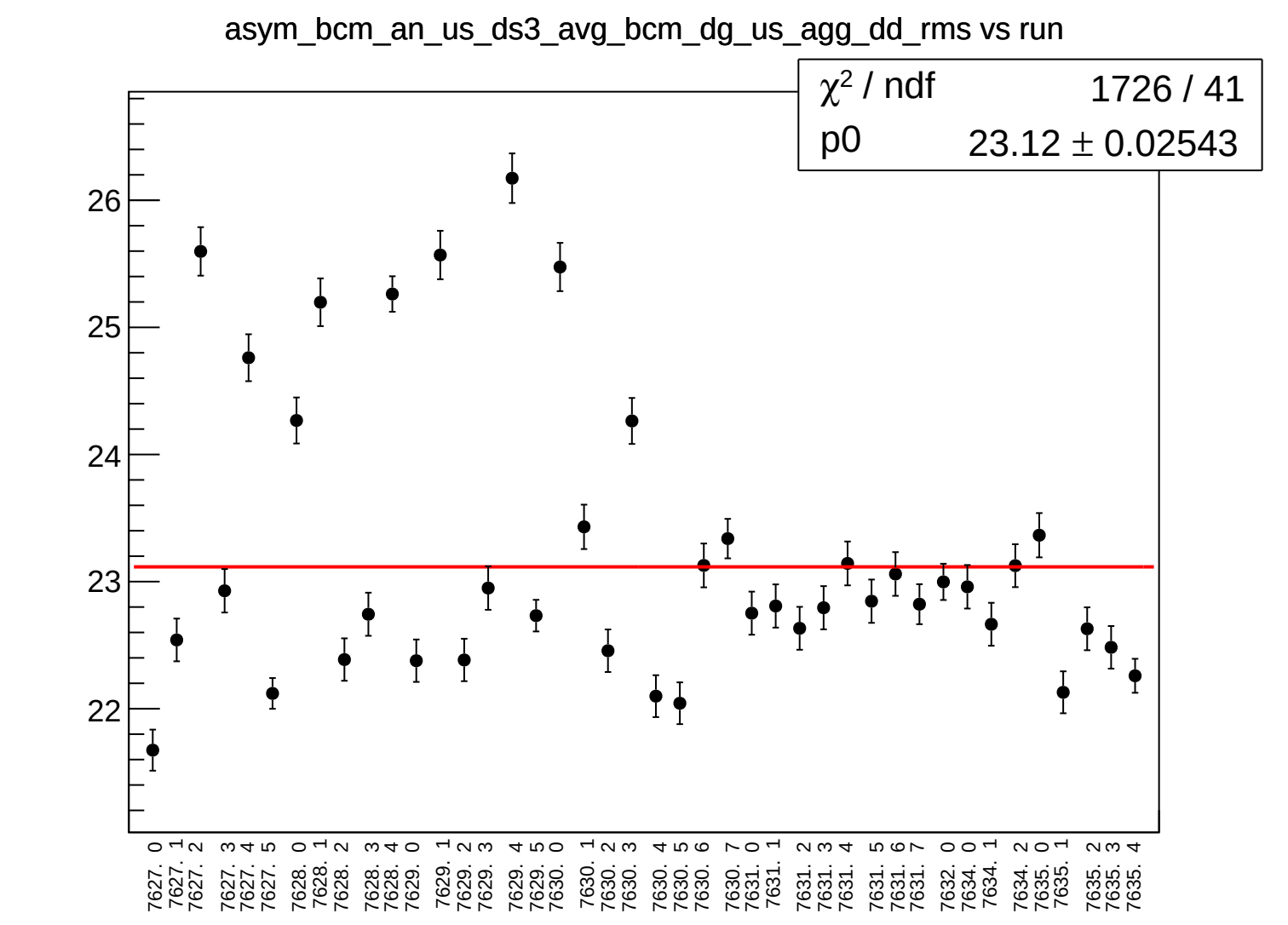

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1377 / 41
p0 23.33 ± 0.02567
26
25
24
23
22
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

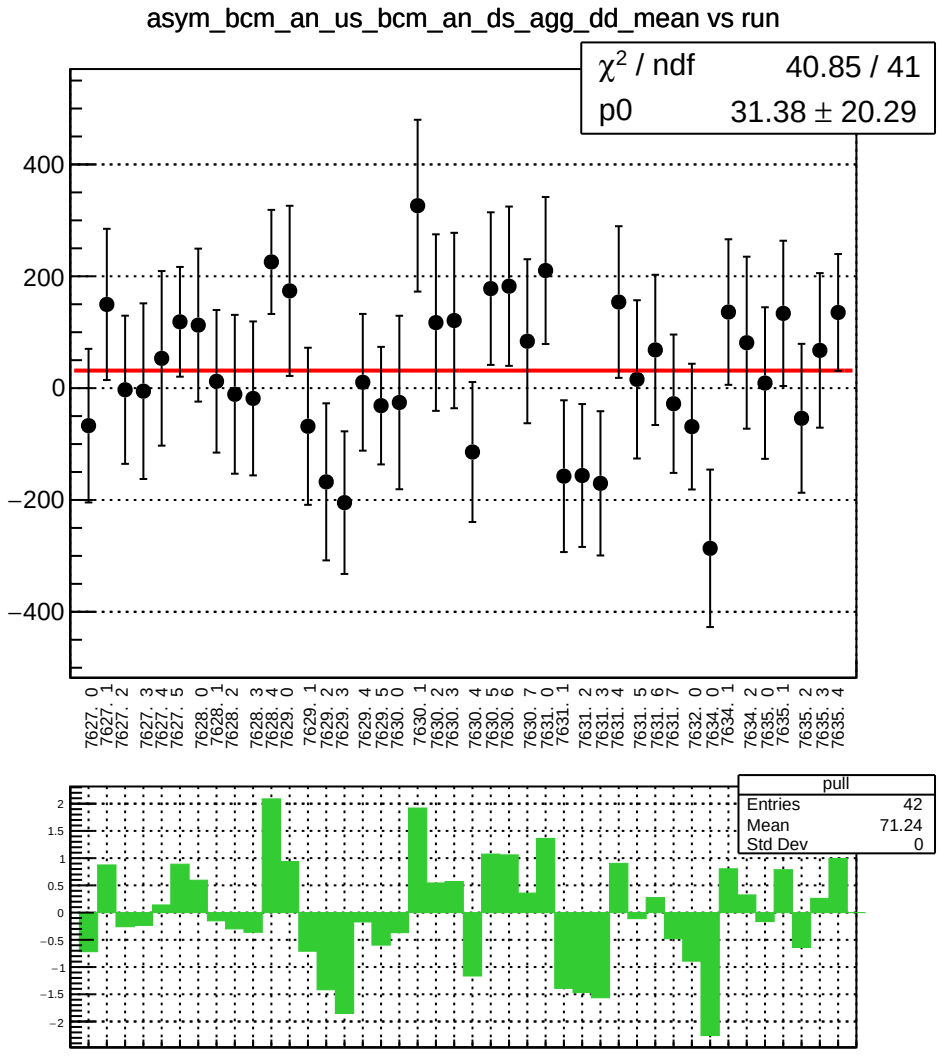

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 33.15 / 41
p0 −42.79 ± 26.41
600
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 194.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.00299
Std Dev 0.8884
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

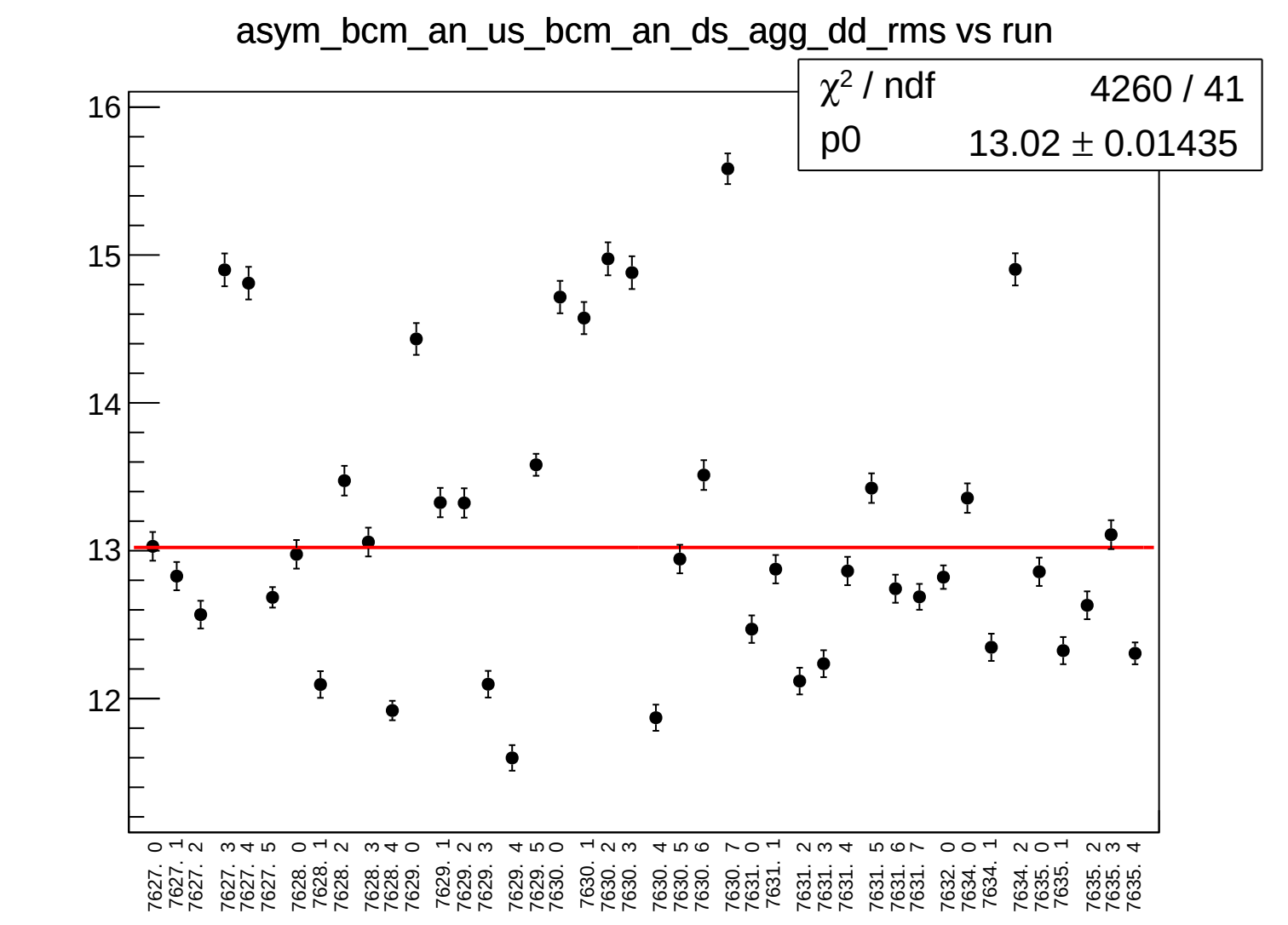

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 5138 / 41
p0 16.94 ± 0.01868
21
20
19
18
17
16
15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

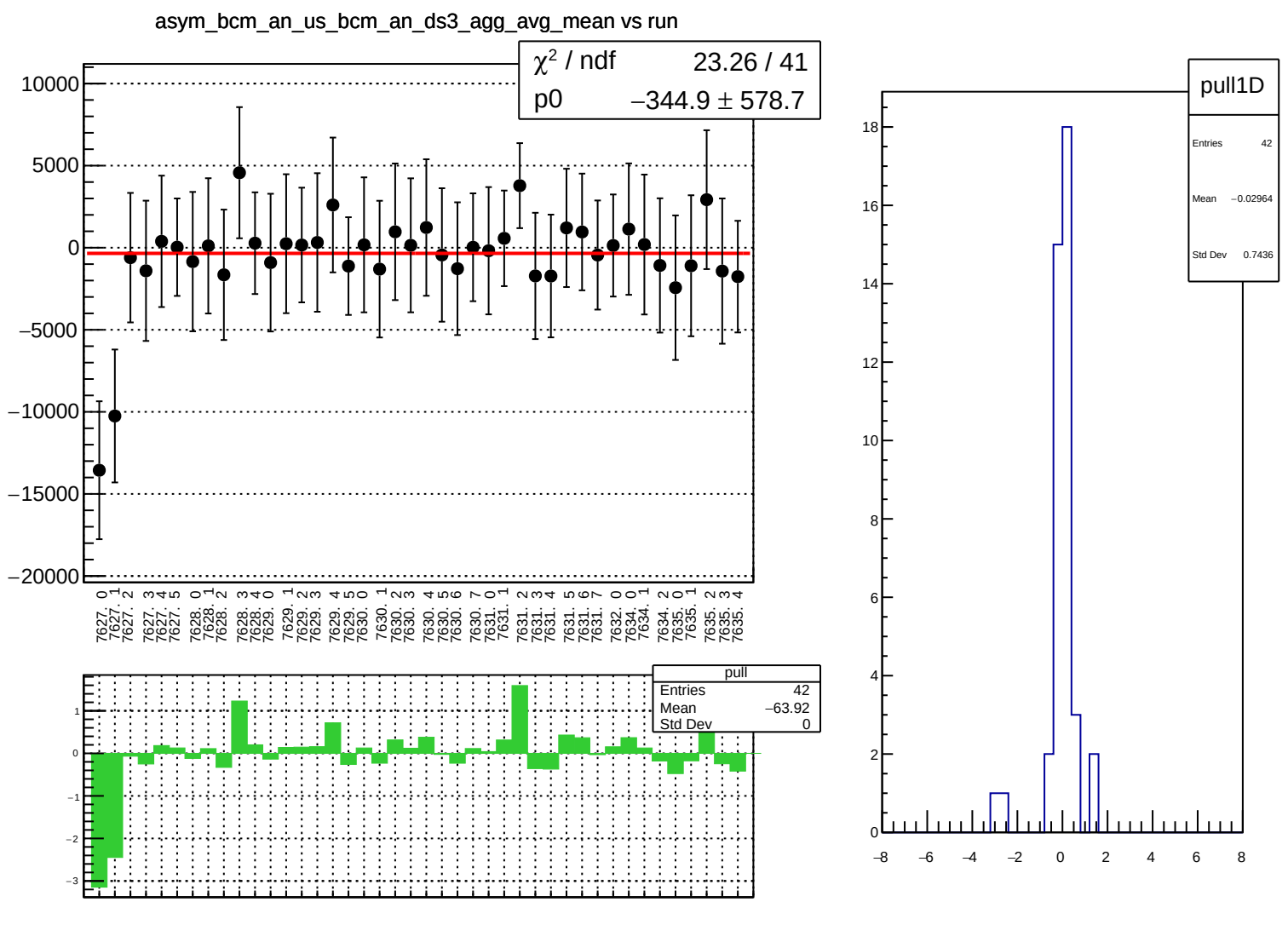

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 29.04 / 41
p0 −72.32 ± 35.97
pull
Entries 42
Mean −60.02
Std Dev 0

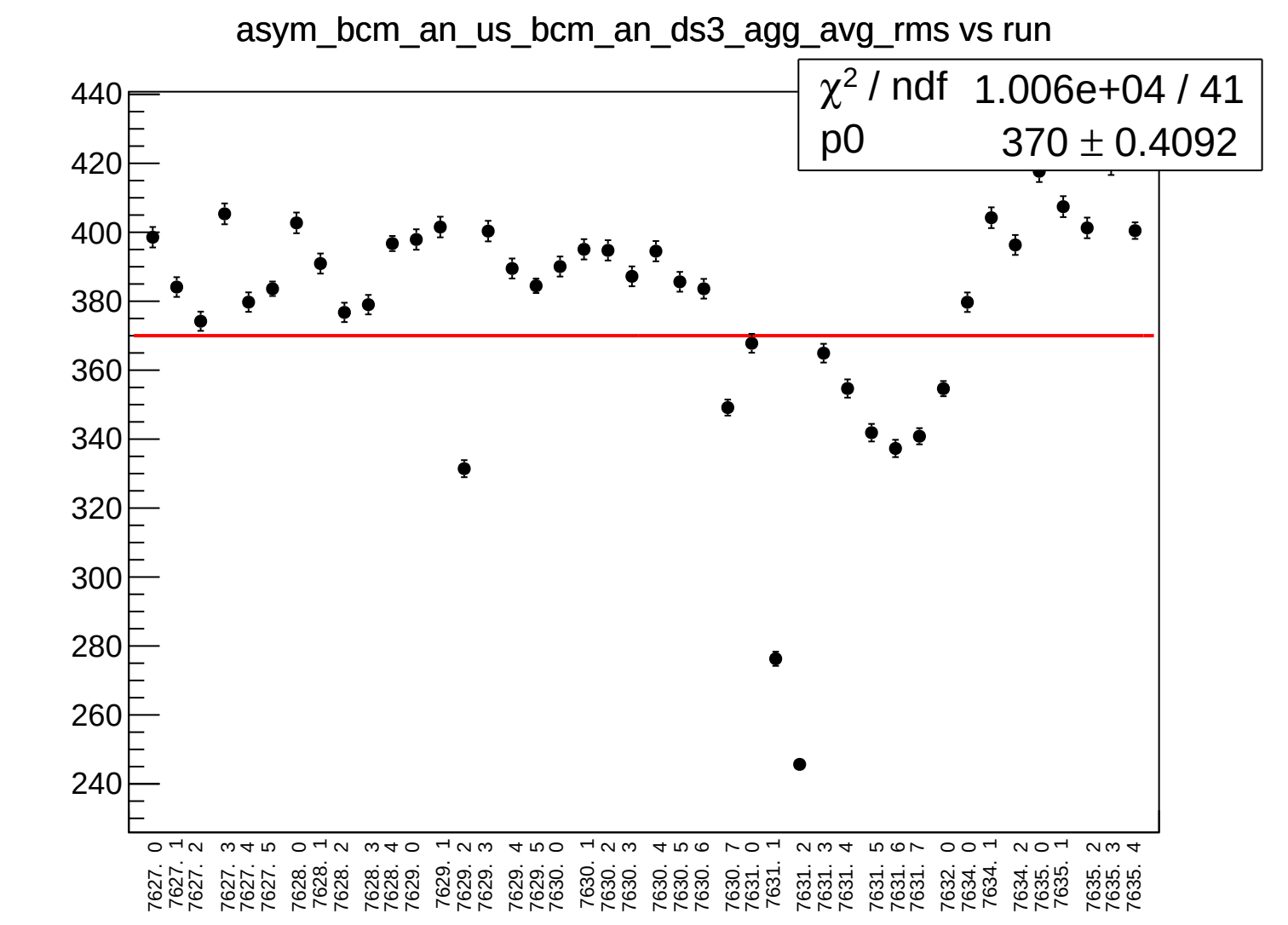

pull1D
Entries 42
Mean 0.01587
Std Dev 0.8313

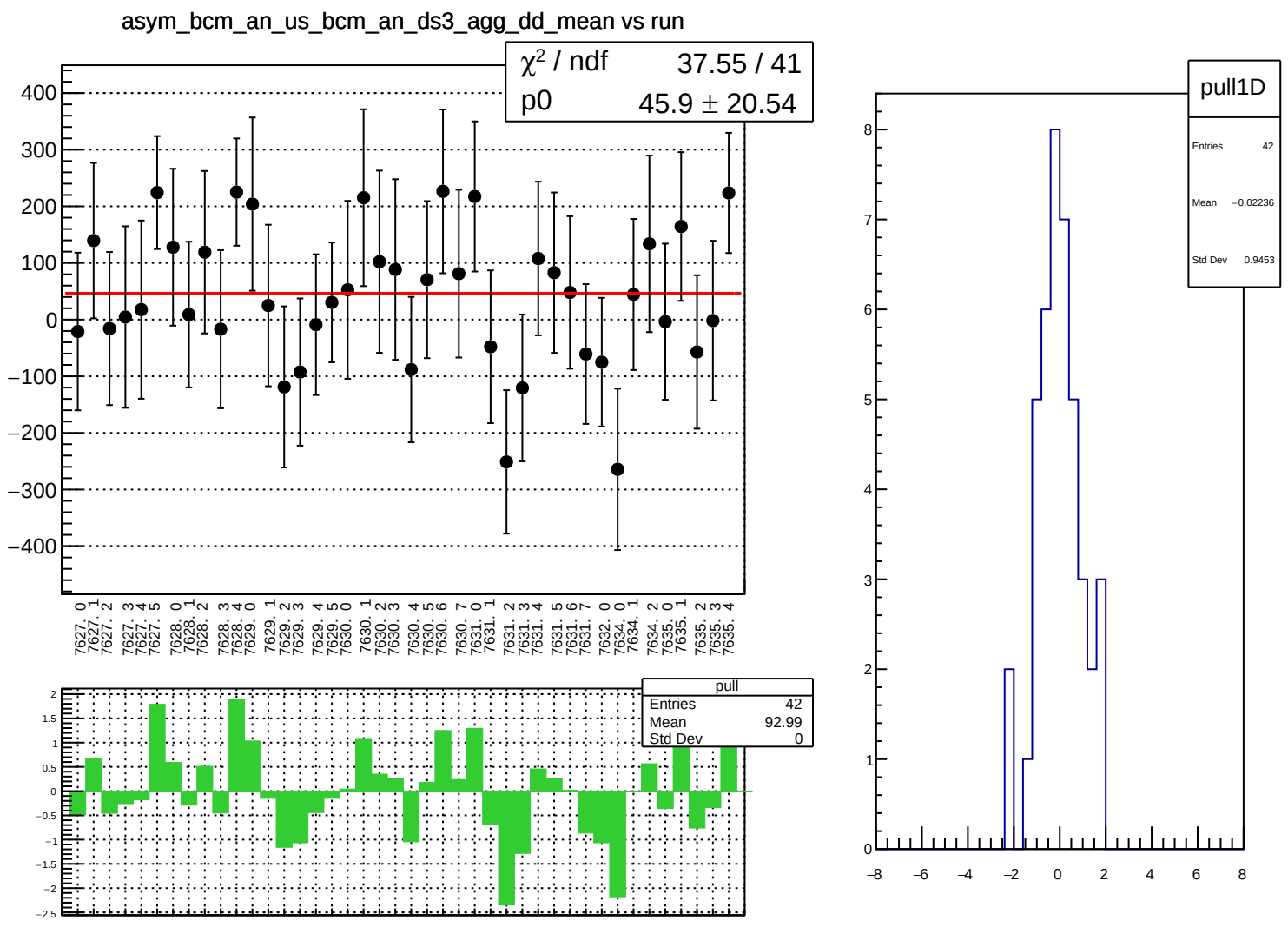

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1726 / 41
p0 23.12 ± 0.02543
26
25
24
23
22
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

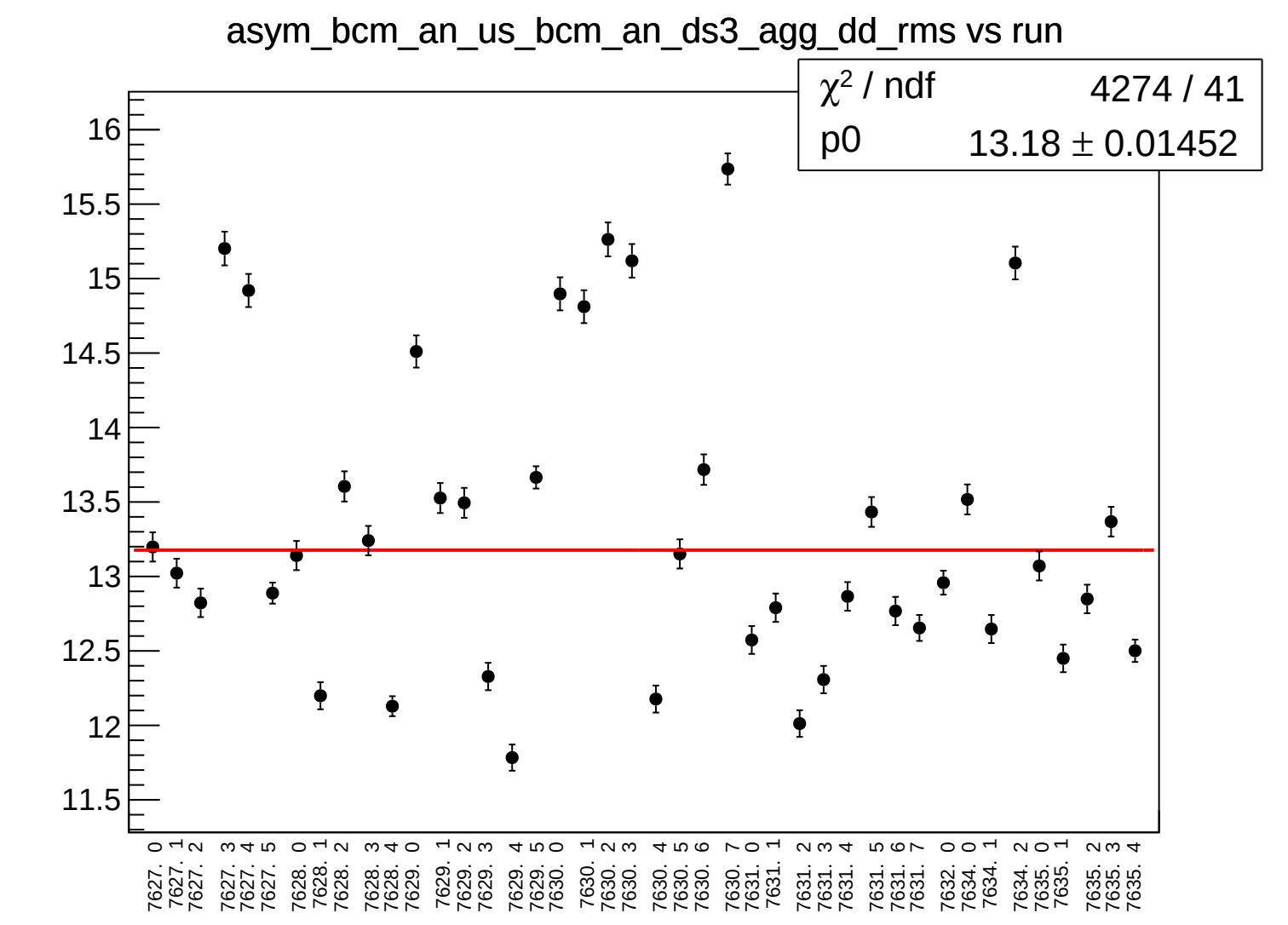

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 40.85 / 41
p0 31.38 ± 20.29
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01207
Std Dev 0.9862
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

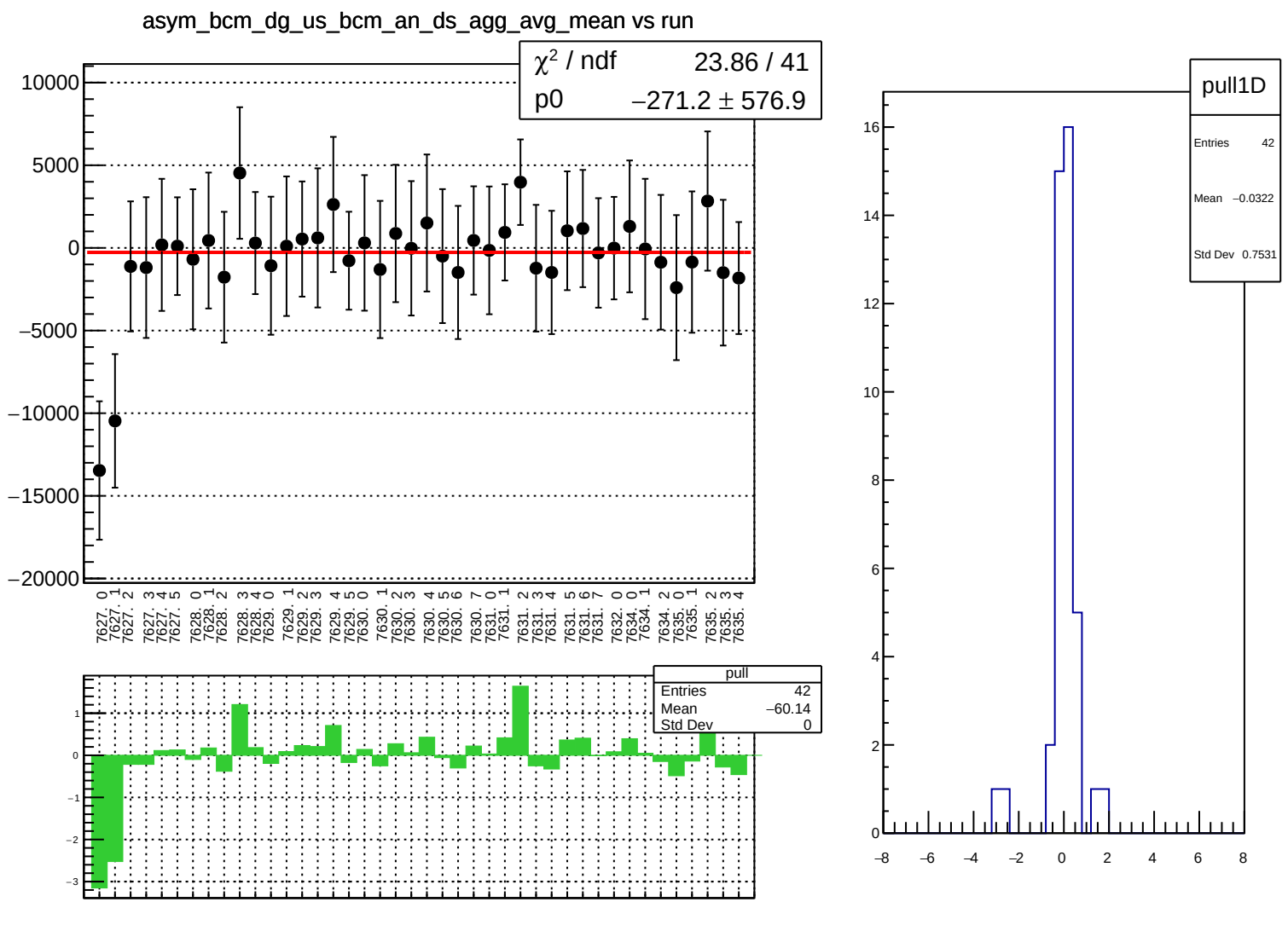

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 4260 / 41
p0 13.02 ± 0.01435
16
15
14
13
12
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

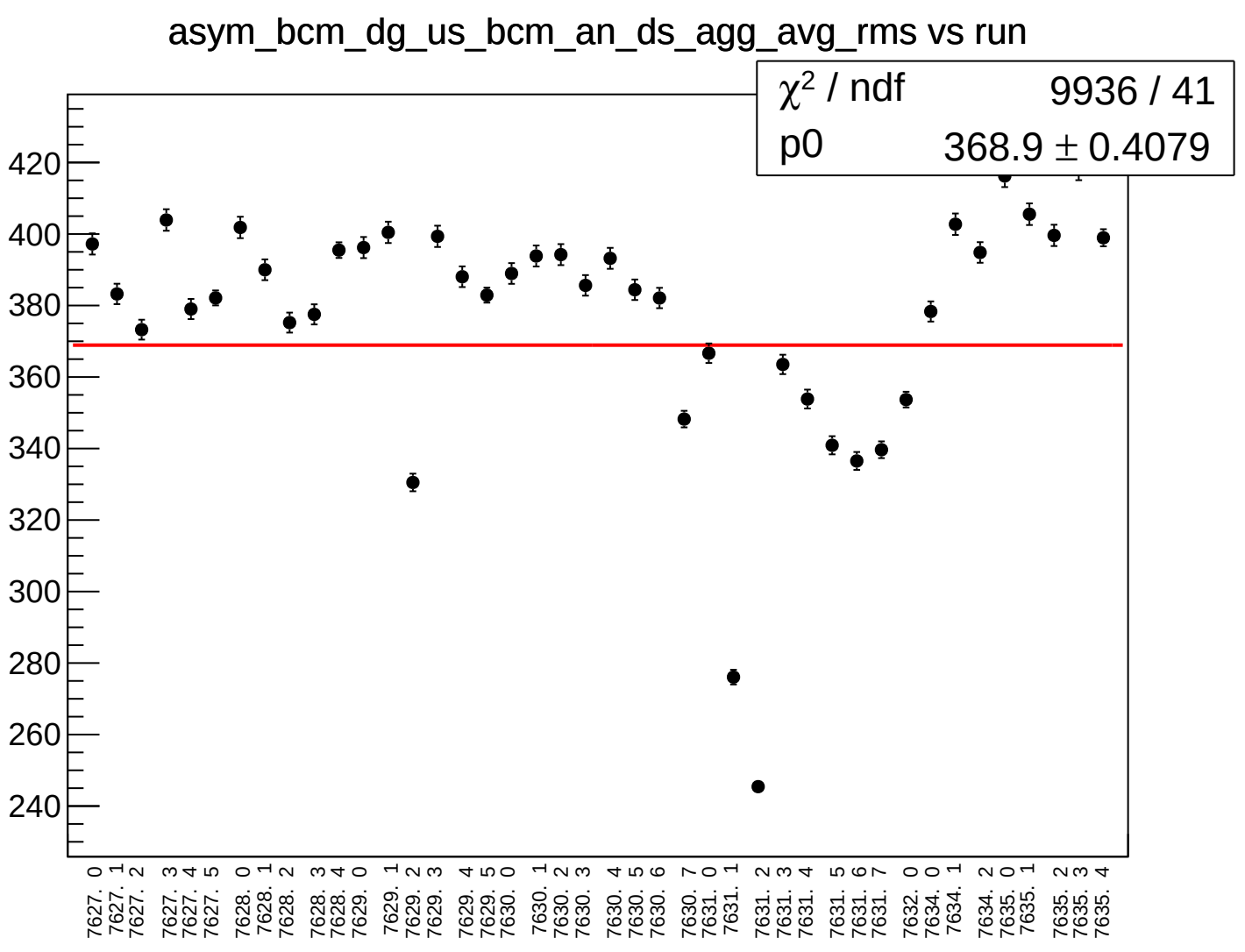

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 23.26 / 41
p0 −344.9 ± 578.7
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −63.92
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.02964
Std Dev 0.7436
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

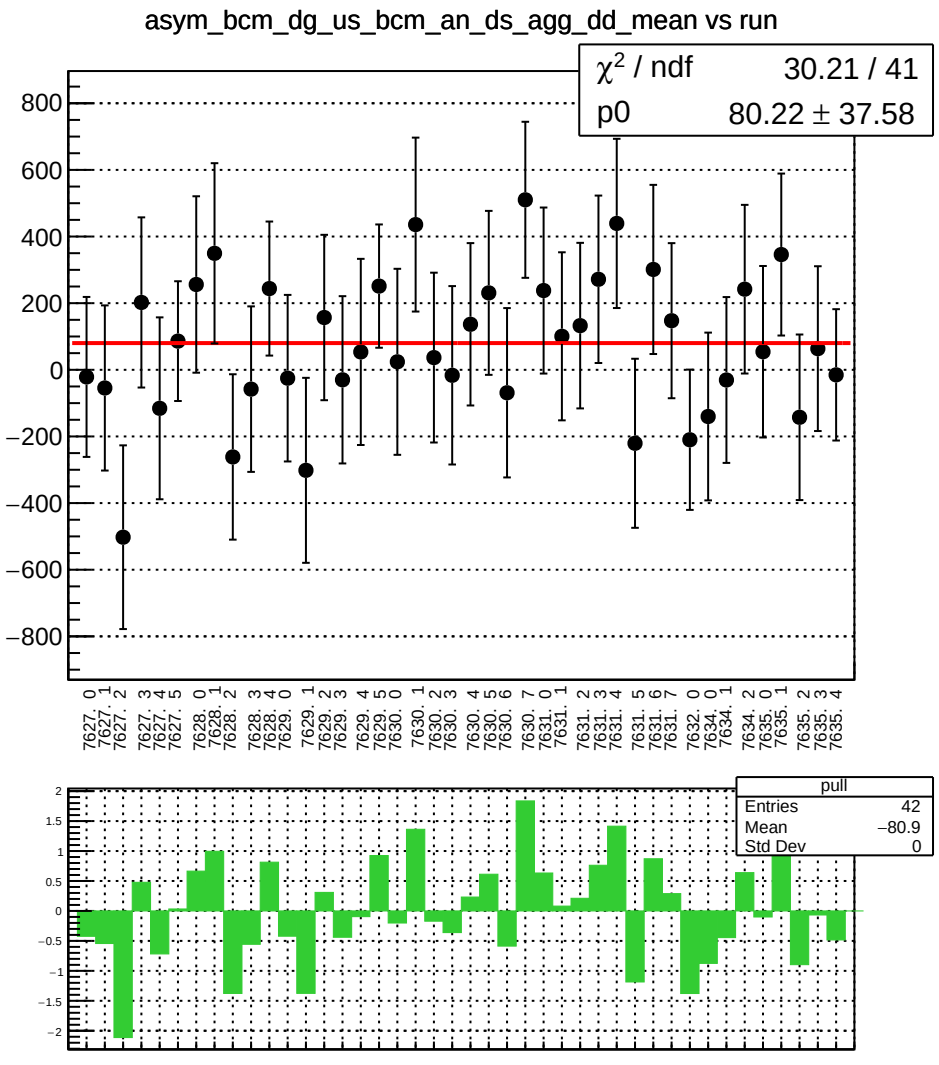

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.006e+04 / 41
p0 370 ± 0.4092
440
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

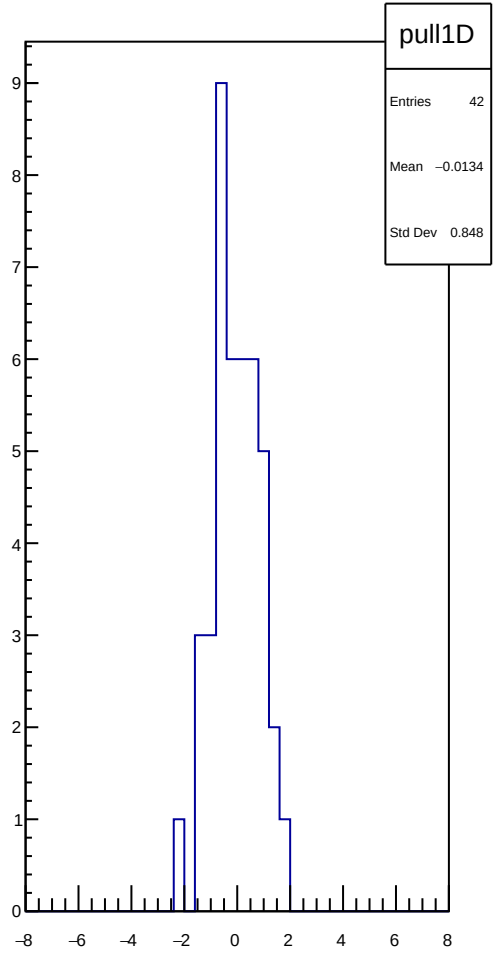

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 37.55 / 41
p0 45.9 ± 20.54
pull
Entries 42
Mean 92.99
Std Dev 0
pull1D
Entries 42
Mean −0.02236
Std Dev 0.9453

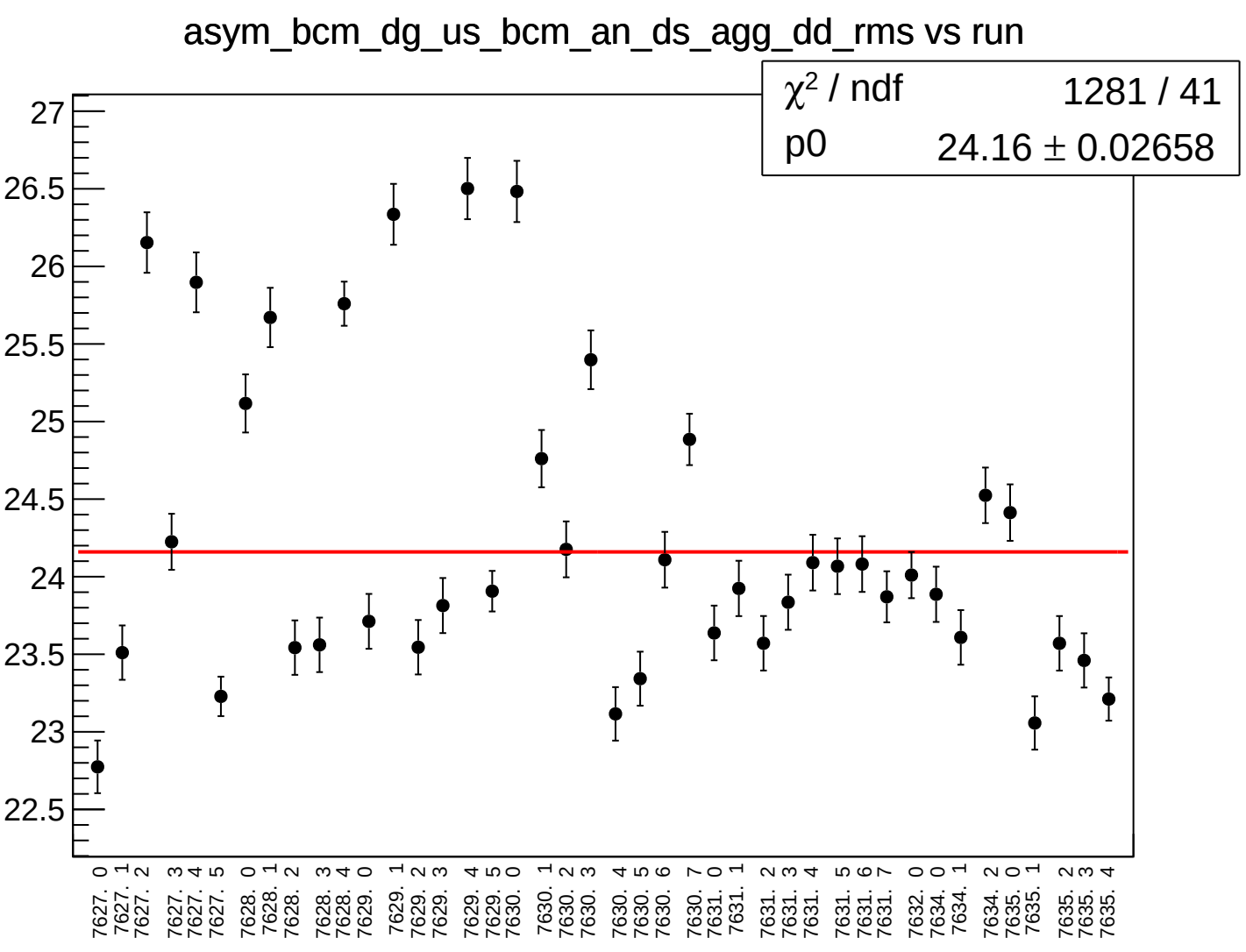

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 4274 / 41
p0 13.18 ± 0.01452
16
15.5
15
14.5
14
13.5
13
12.5
12
11.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

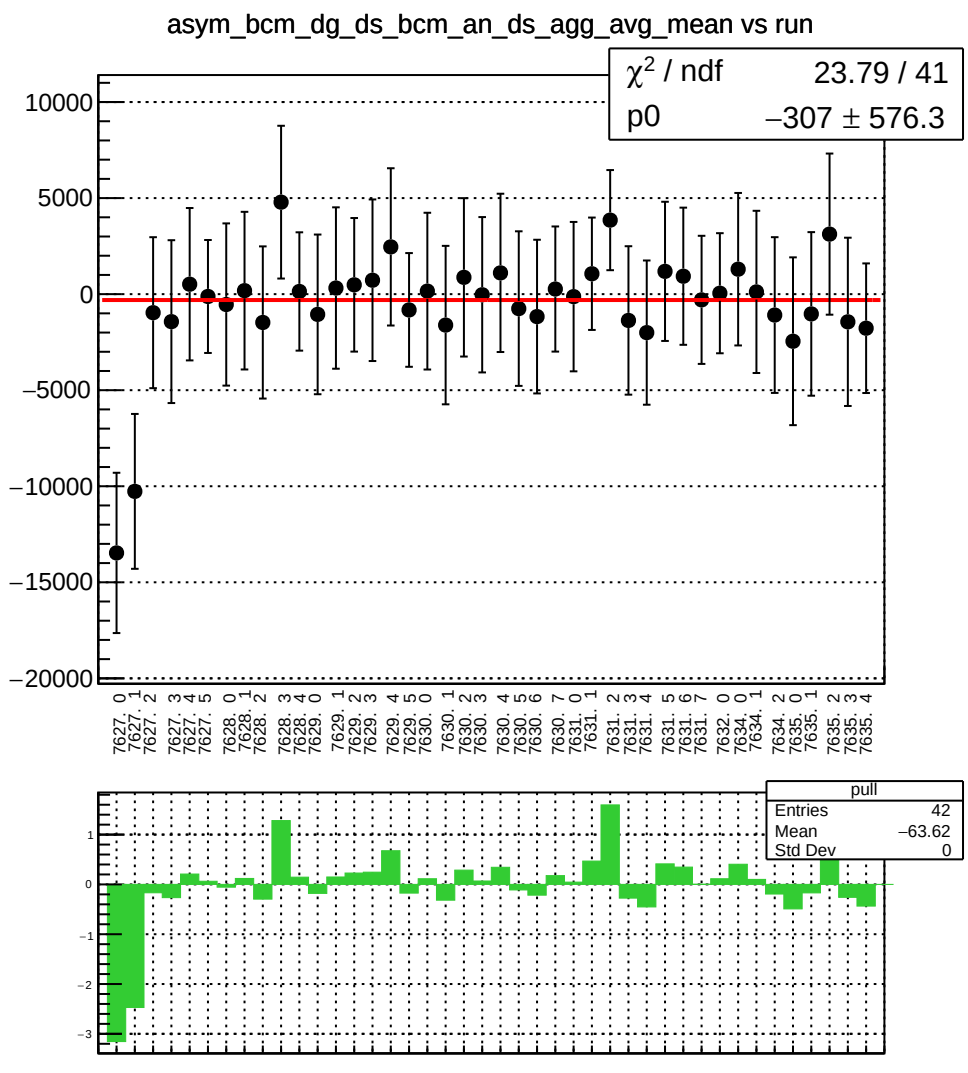

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 23.86 / 41
p0 −271.2 ± 576.9
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −60.14
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.0322
Std Dev 0.7531
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

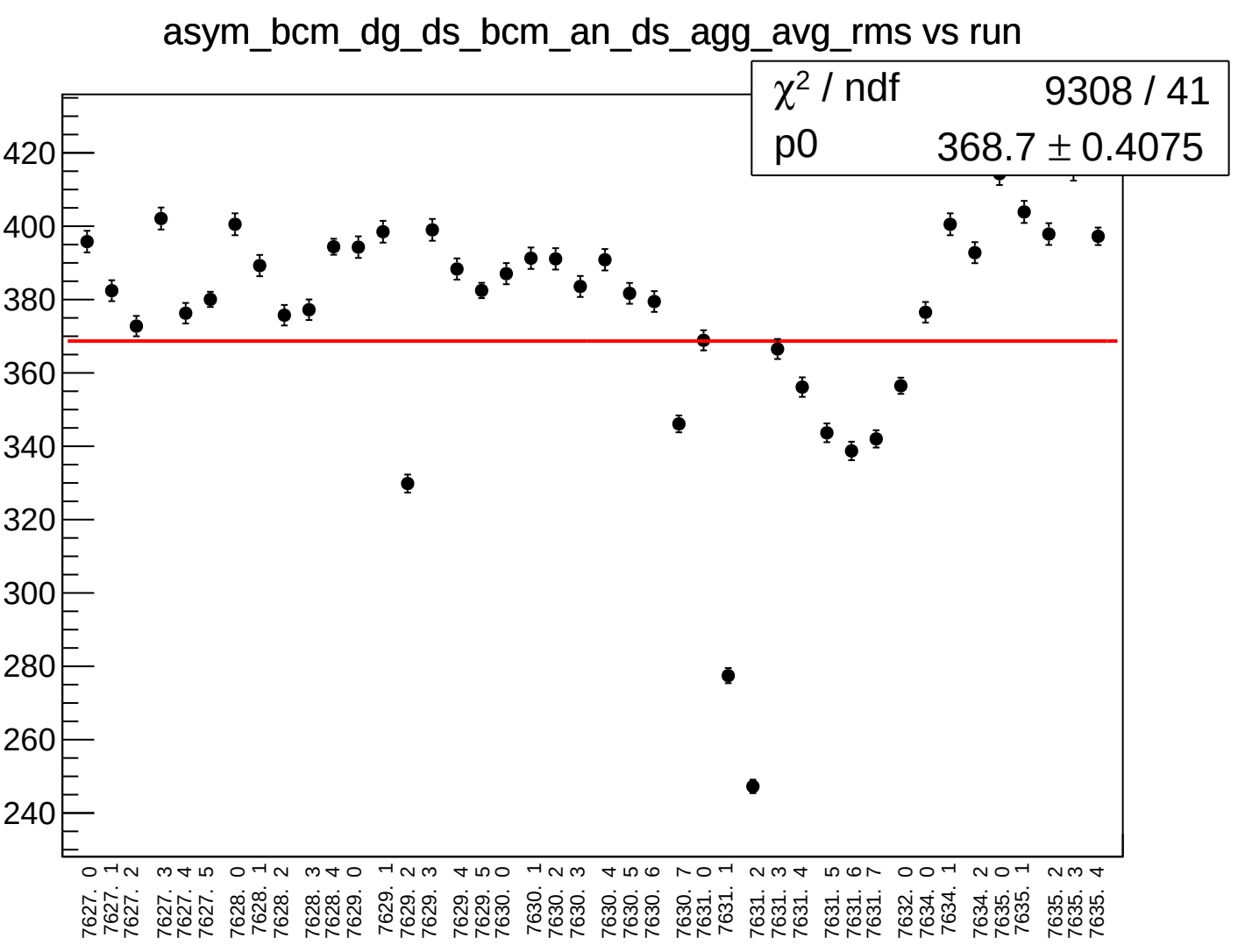

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9936 / 41
p0 368.9 ± 0.4079
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

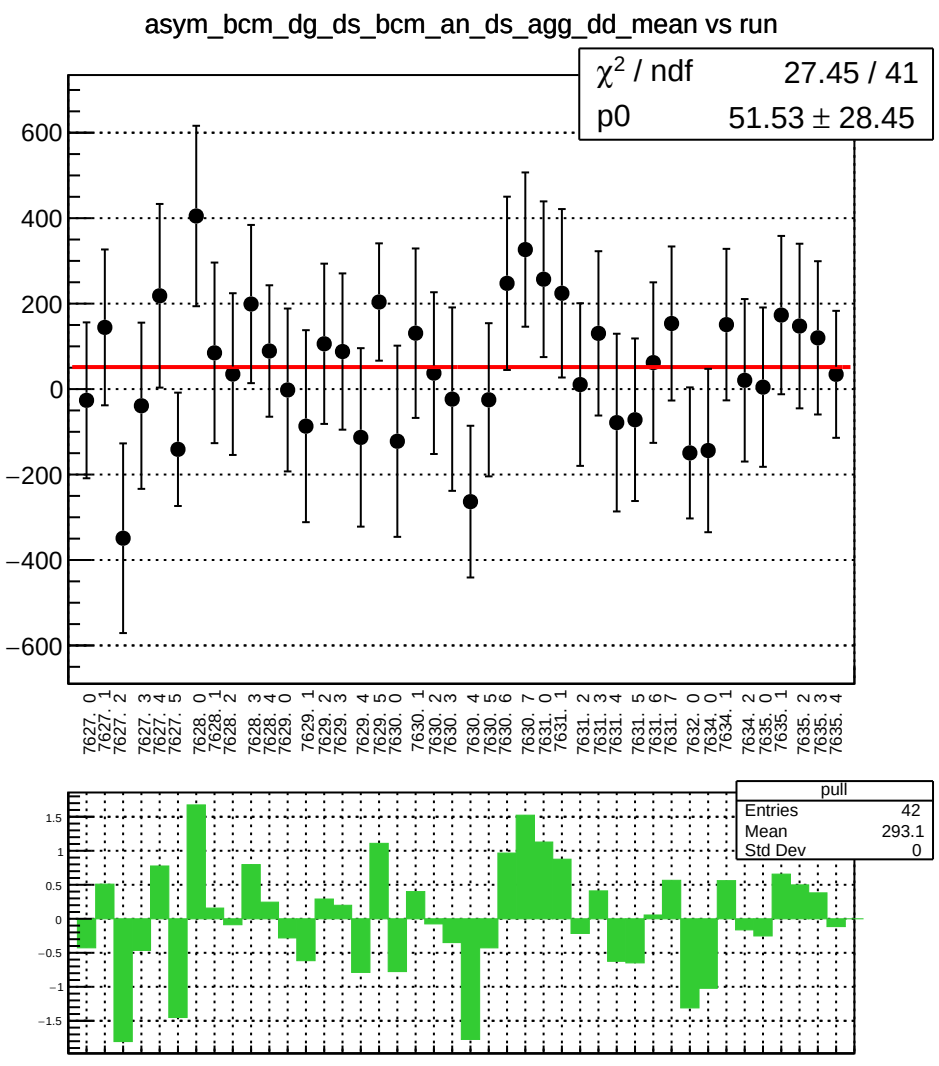

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 30.21 / 41
p0 80.22 ± 37.58
pull
Entries 42
Mean −80.9
Std Dev 0

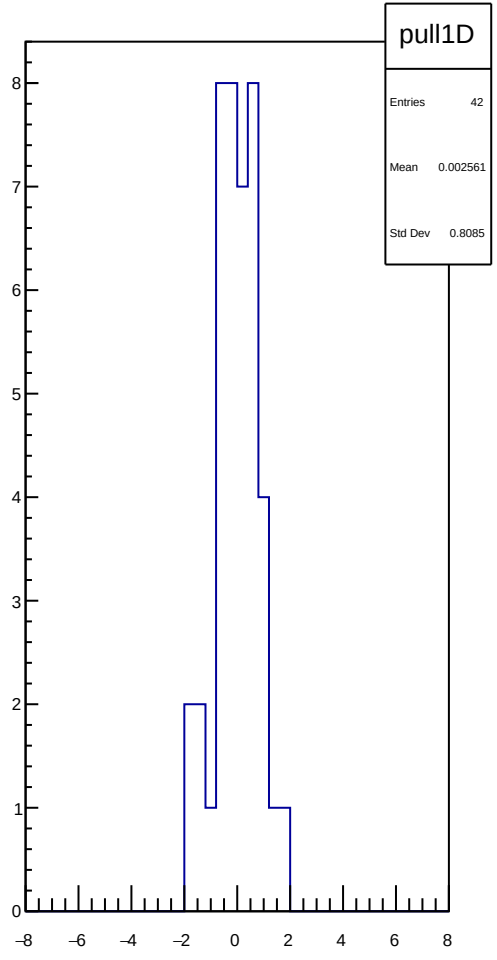

pull1D
Entries 42
Mean −0.0134
Std Dev 0.848

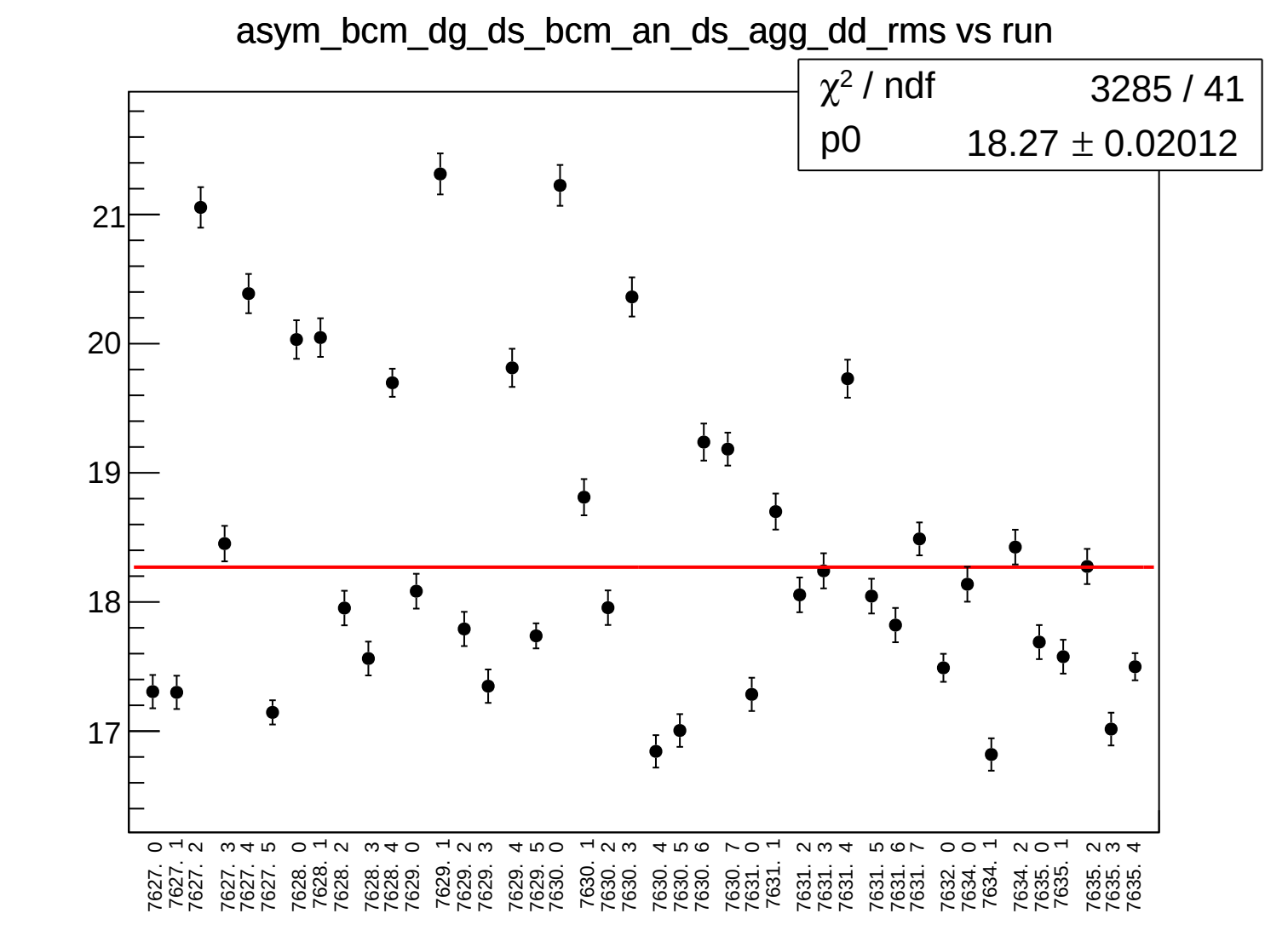

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1281 / 41
p0 24.16 ± 0.02658
27
26.5
26
25.5
25
24.5
24
23.5
23
22.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

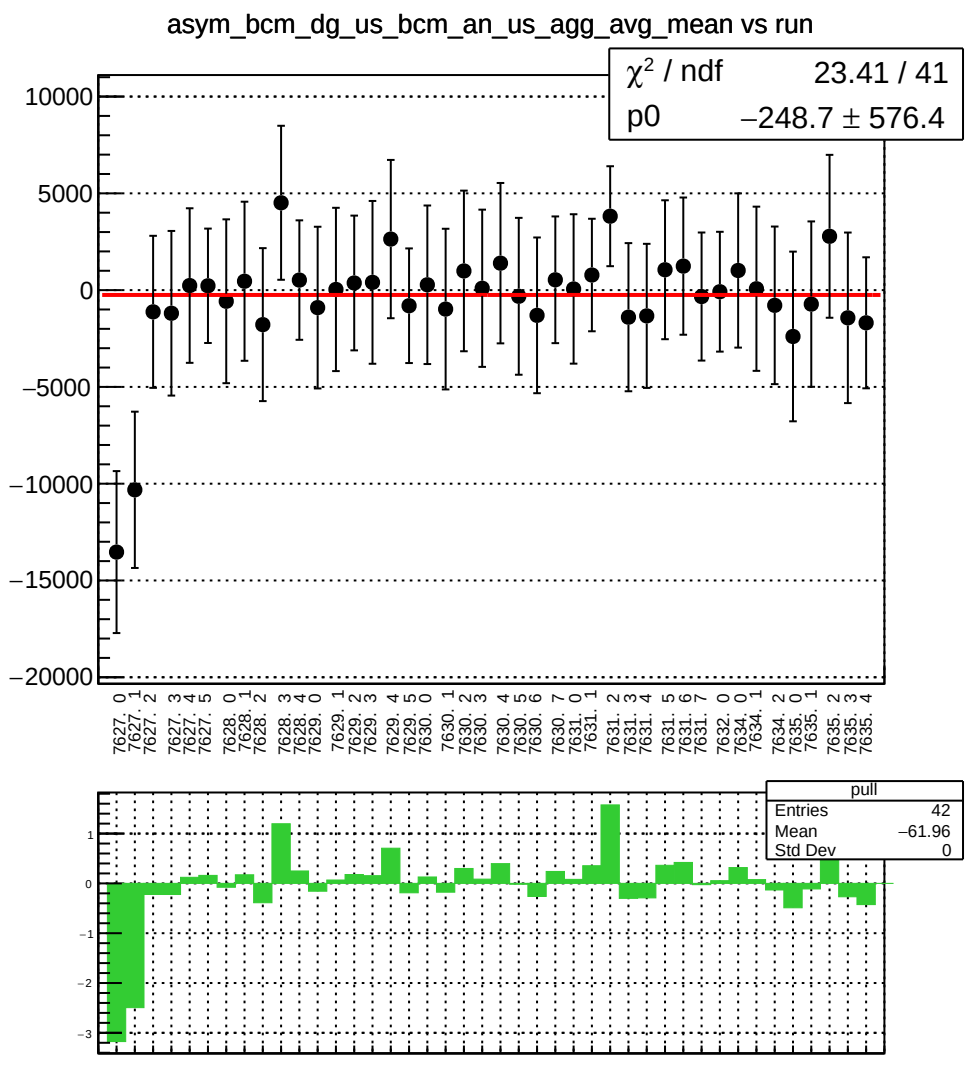

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 23.79 / 41
p0 −307 ± 576.3
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −63.62
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.0302
Std Dev 0.752
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

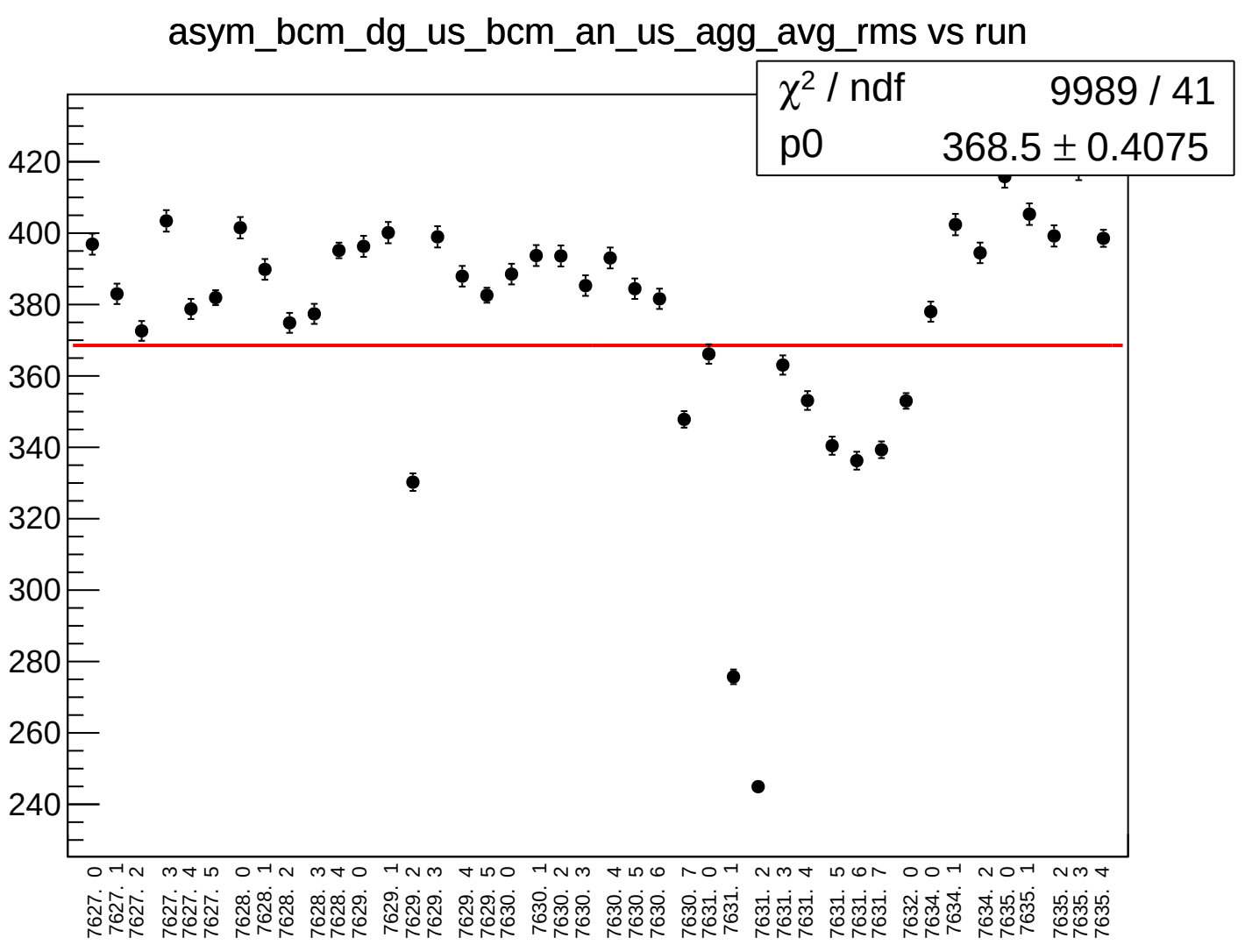

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9308 / 41
p0 368.7 ± 0.4075
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

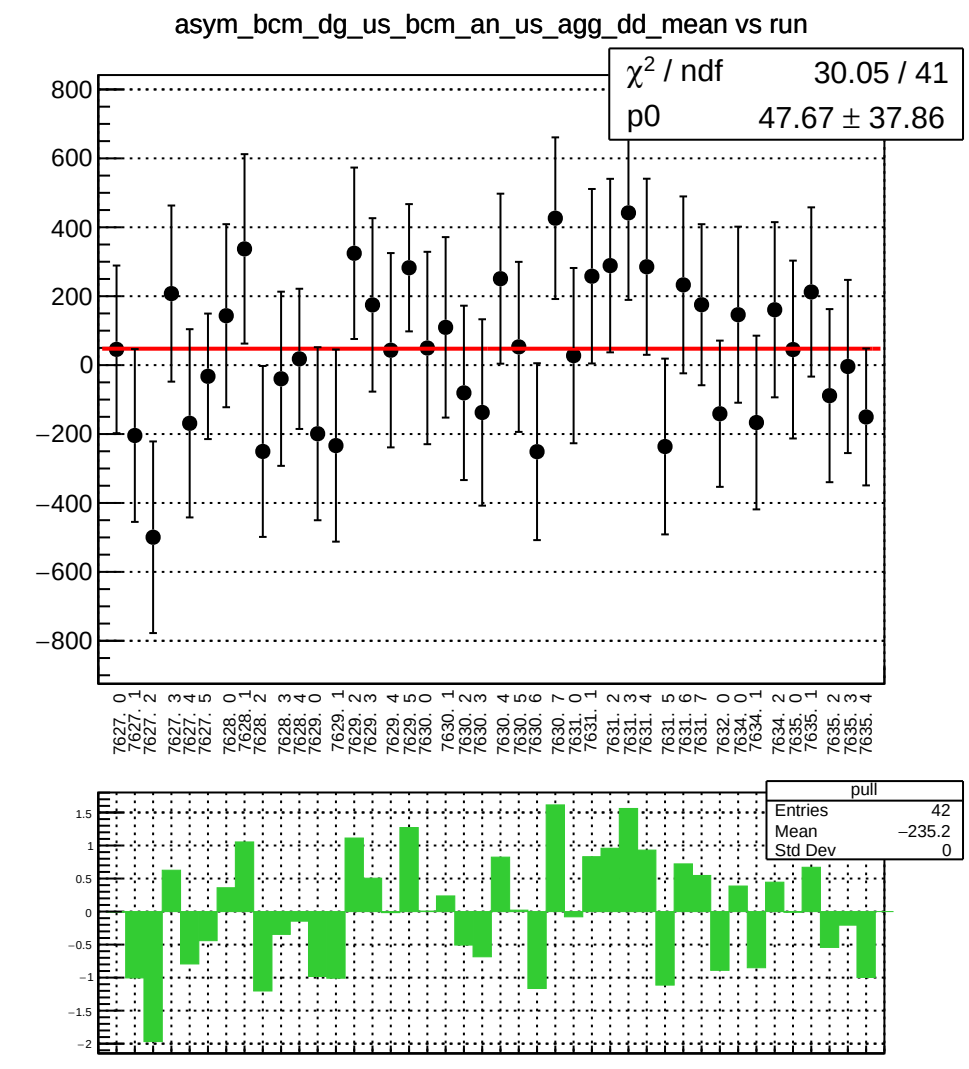

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 27.45 / 41
p0 51.53 ± 28.45
600
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 293.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

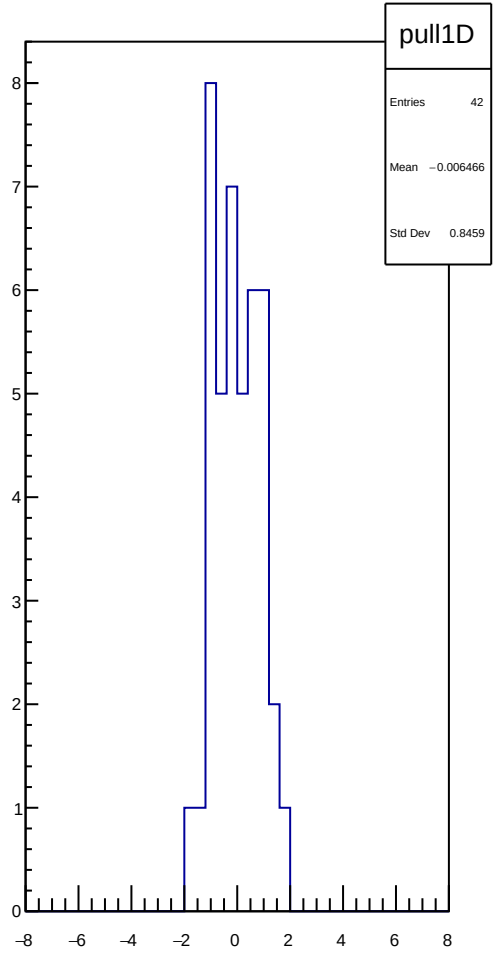

pull1D
Entries 42
Mean 0.002561
Std Dev 0.8085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

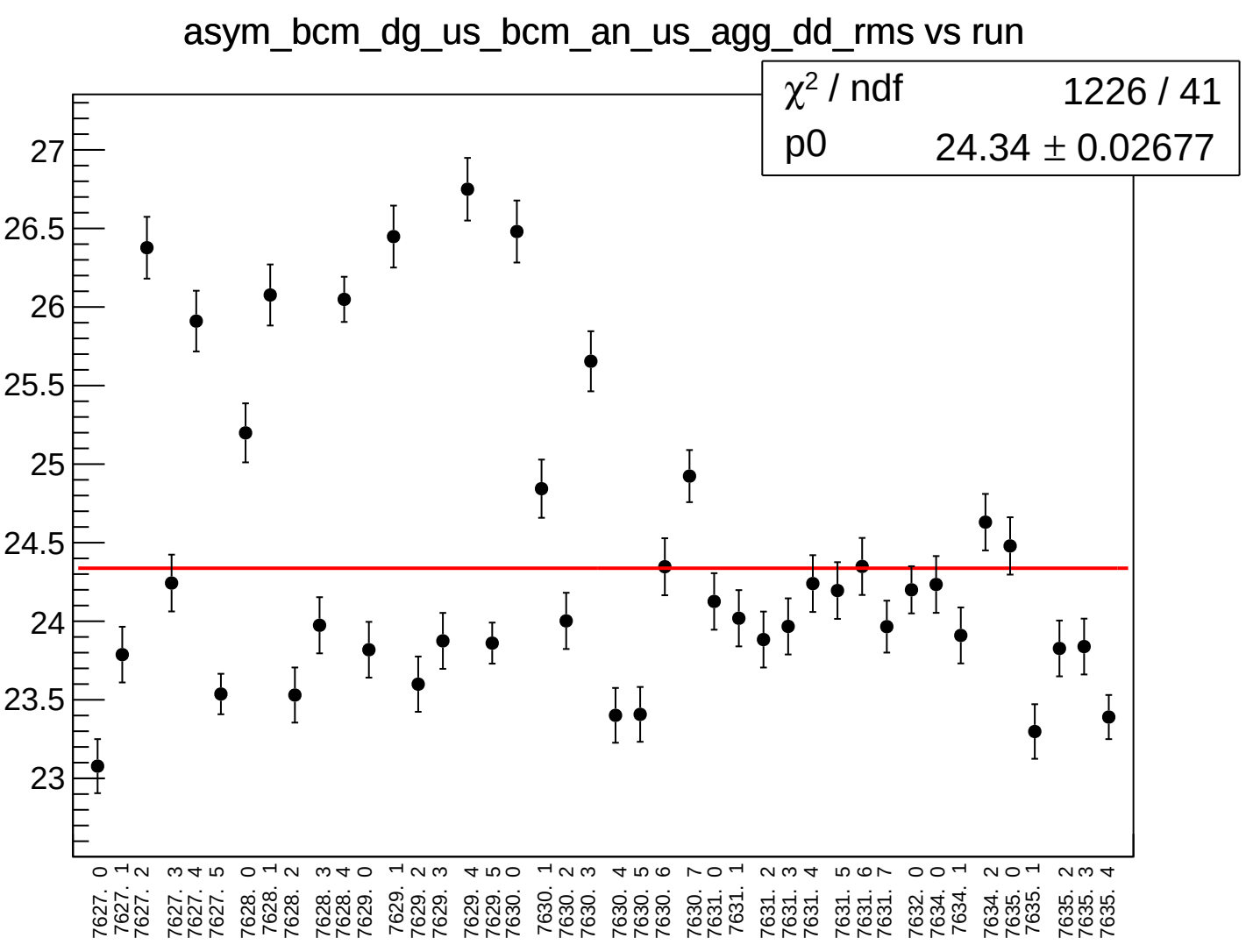

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3285 / 41
p0 18.27 ± 0.02012
21
20
19
18
17
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

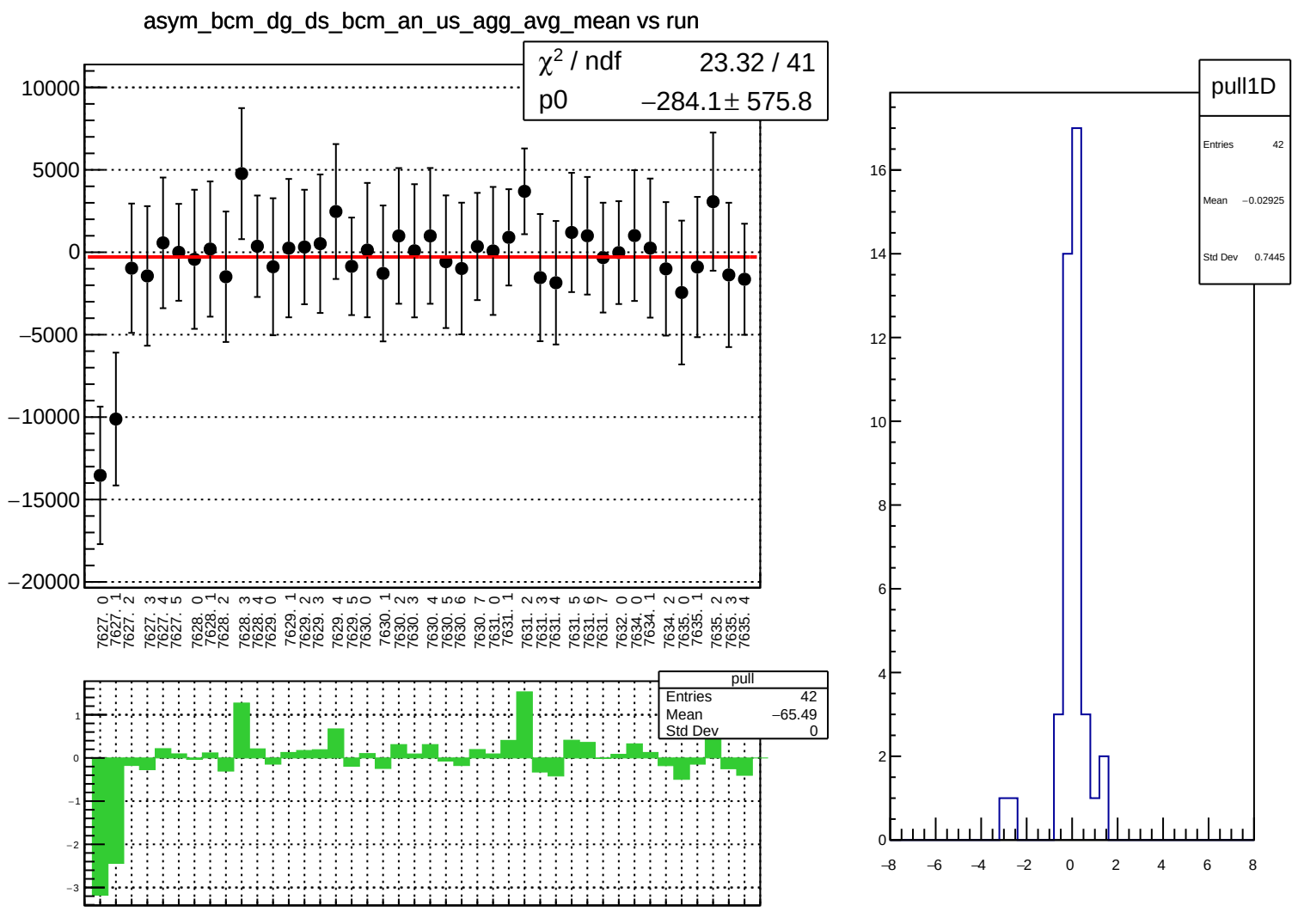

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 23.41 / 41
p0 −248.7 ± 576.4
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −61.96
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.03119
Std Dev 0.746
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

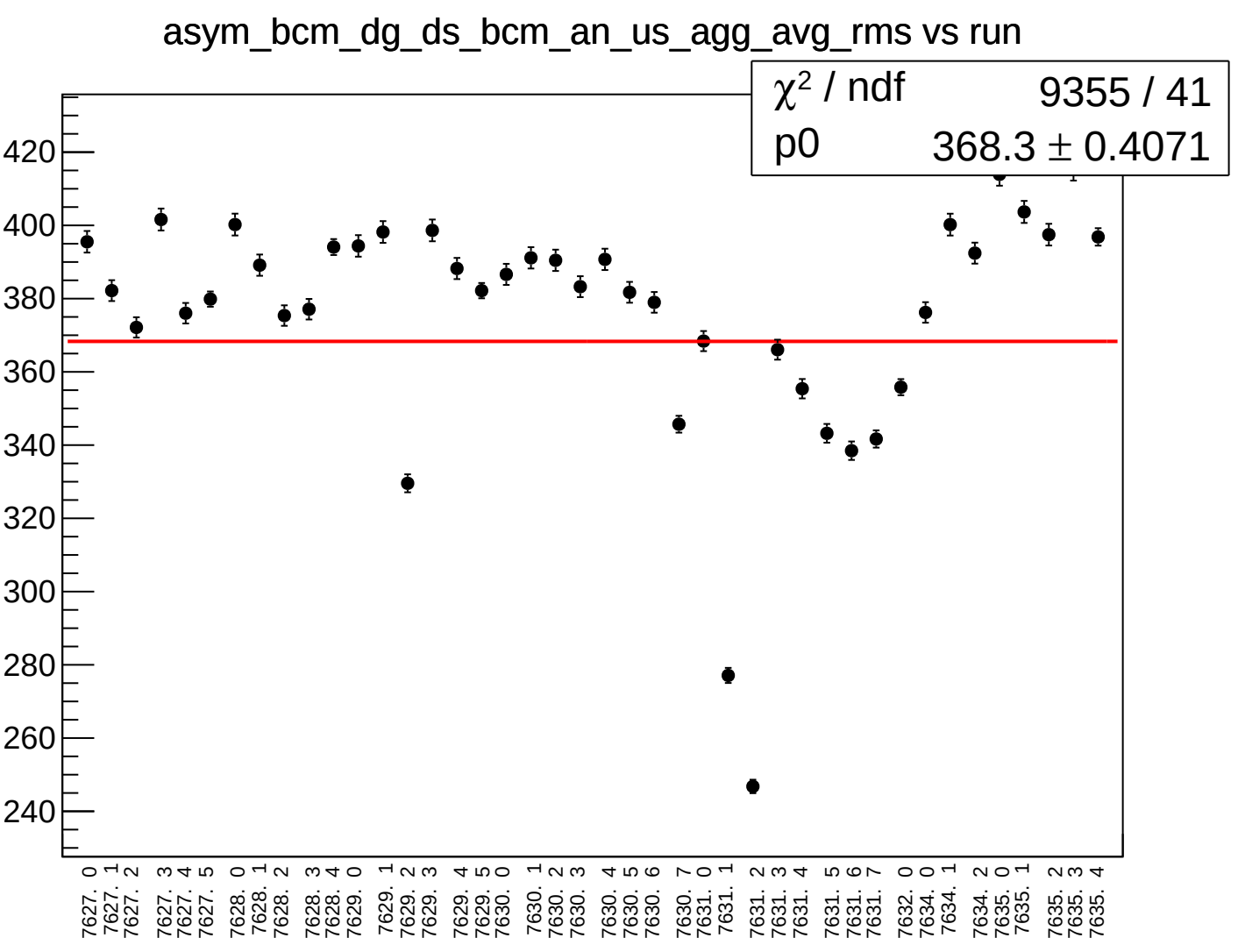

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9989 / 41
p0 368.5 ± 0.4075
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

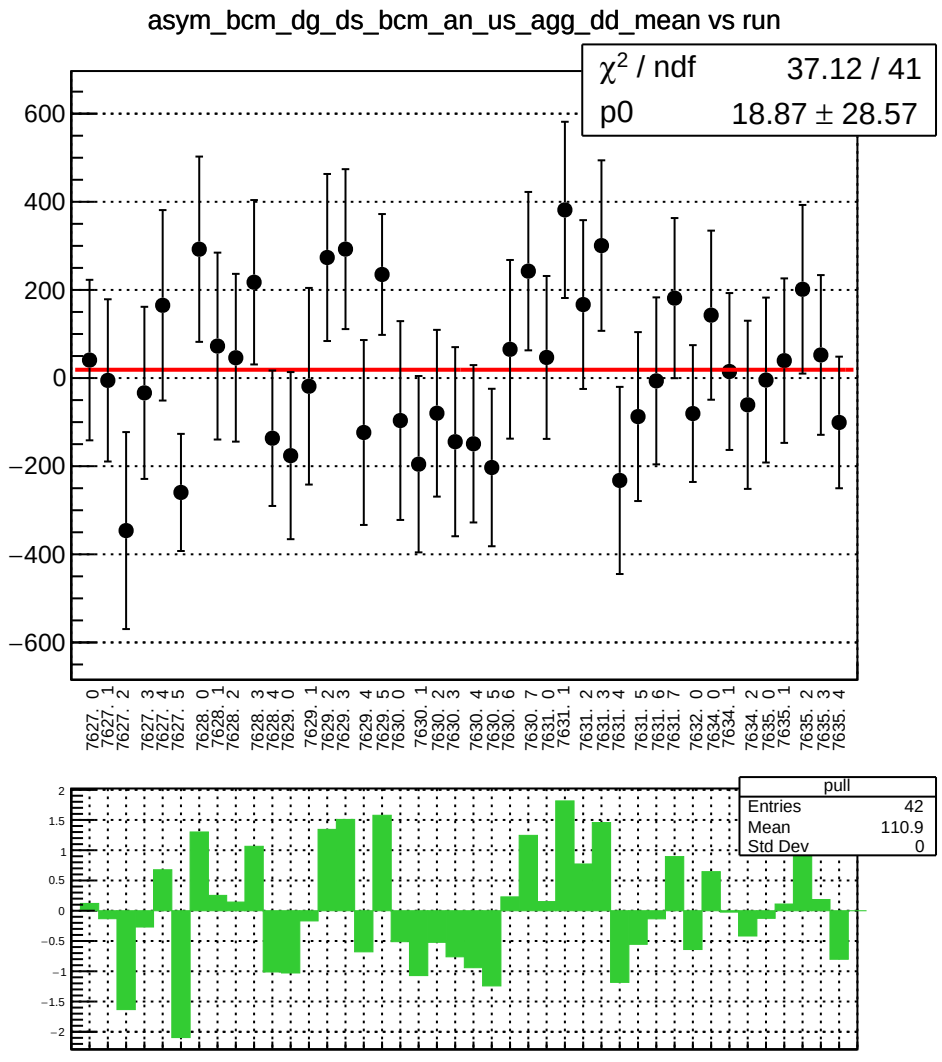

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 30.05 / 41
p0 47.67 ± 37.86
pull
Entries 42
Mean −235.2
Std Dev 0

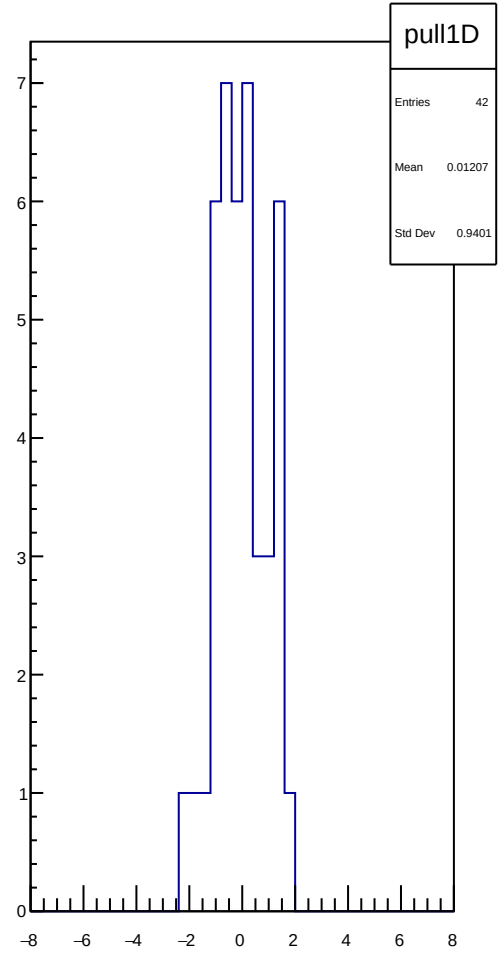

pull1D
Entries 42
Mean −0.006466
Std Dev 0.8459

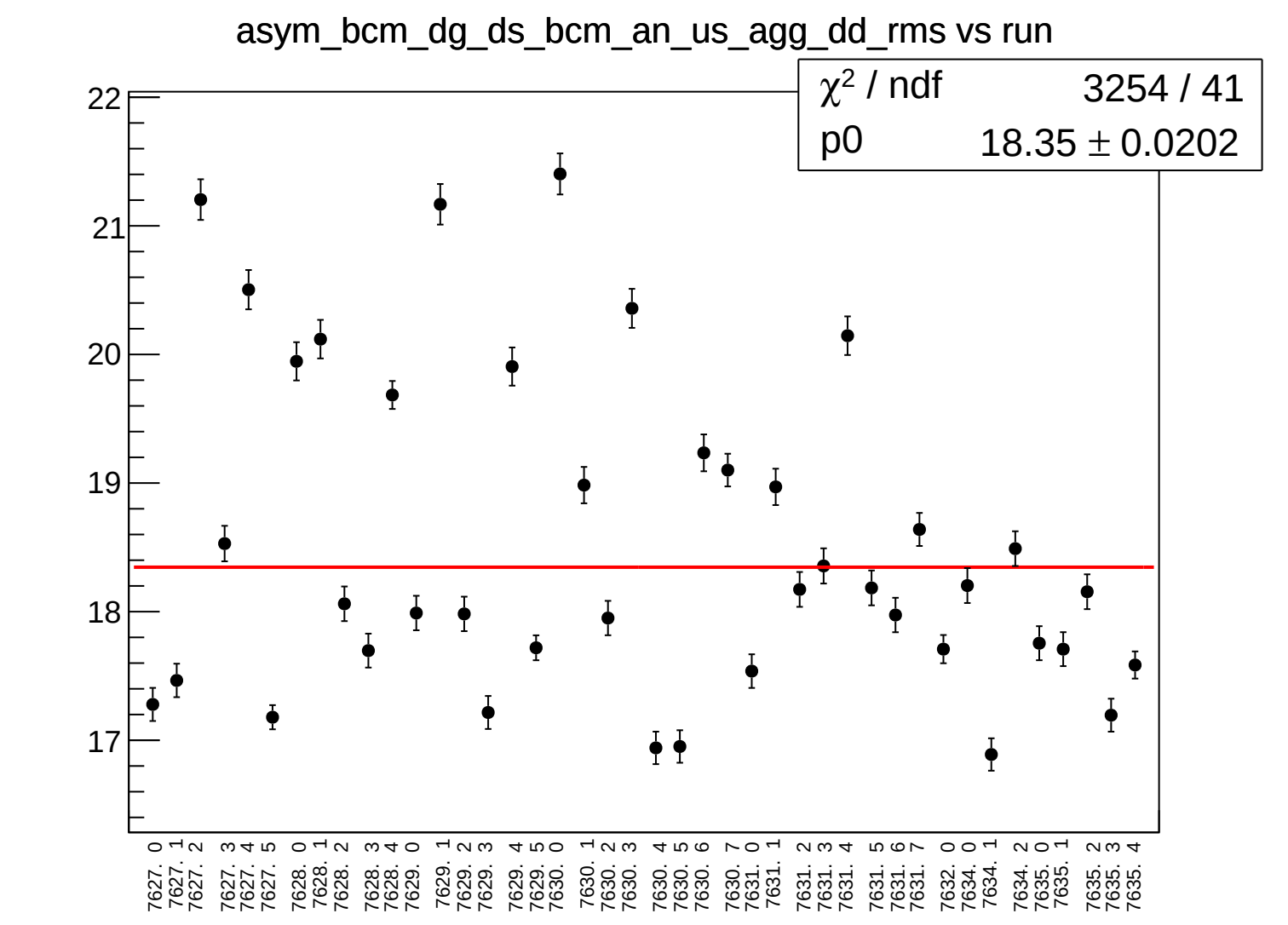

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1226 / 41
p0 24.34 ± 0.02677
27
26.5
26
25.5
25
24.5
24
23.5
23
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

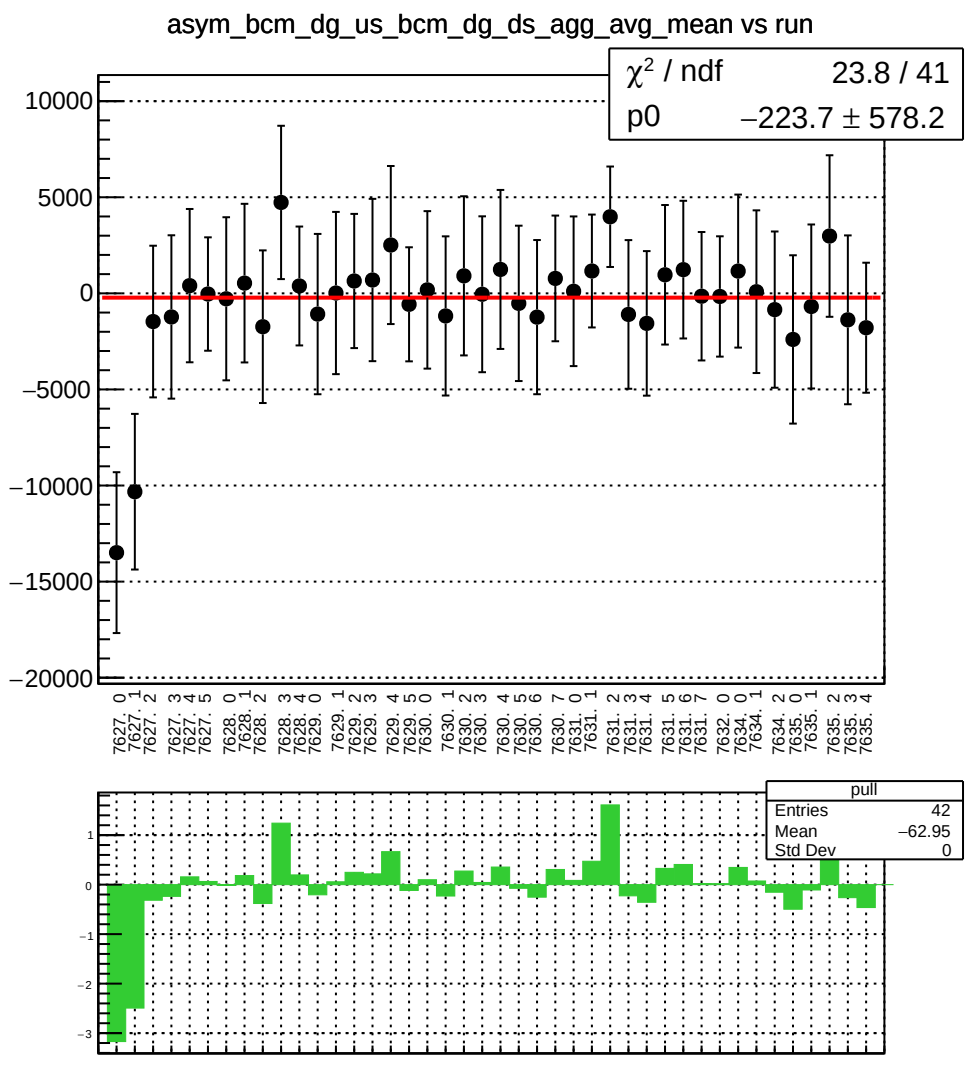

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 23.32 / 41
p0 −284.1 ± 575.8
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −65.49
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.02925
Std Dev 0.7445
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

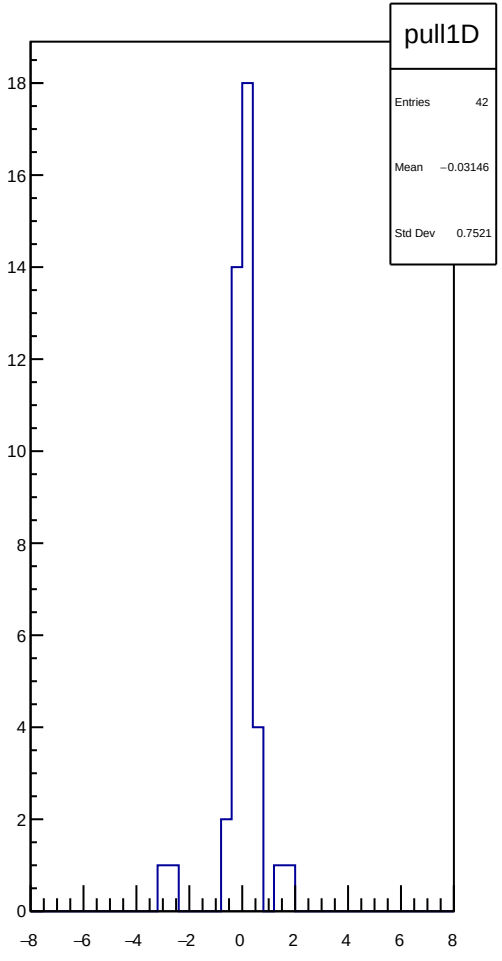

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9355 / 41
p0 368.3 ± 0.4071
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

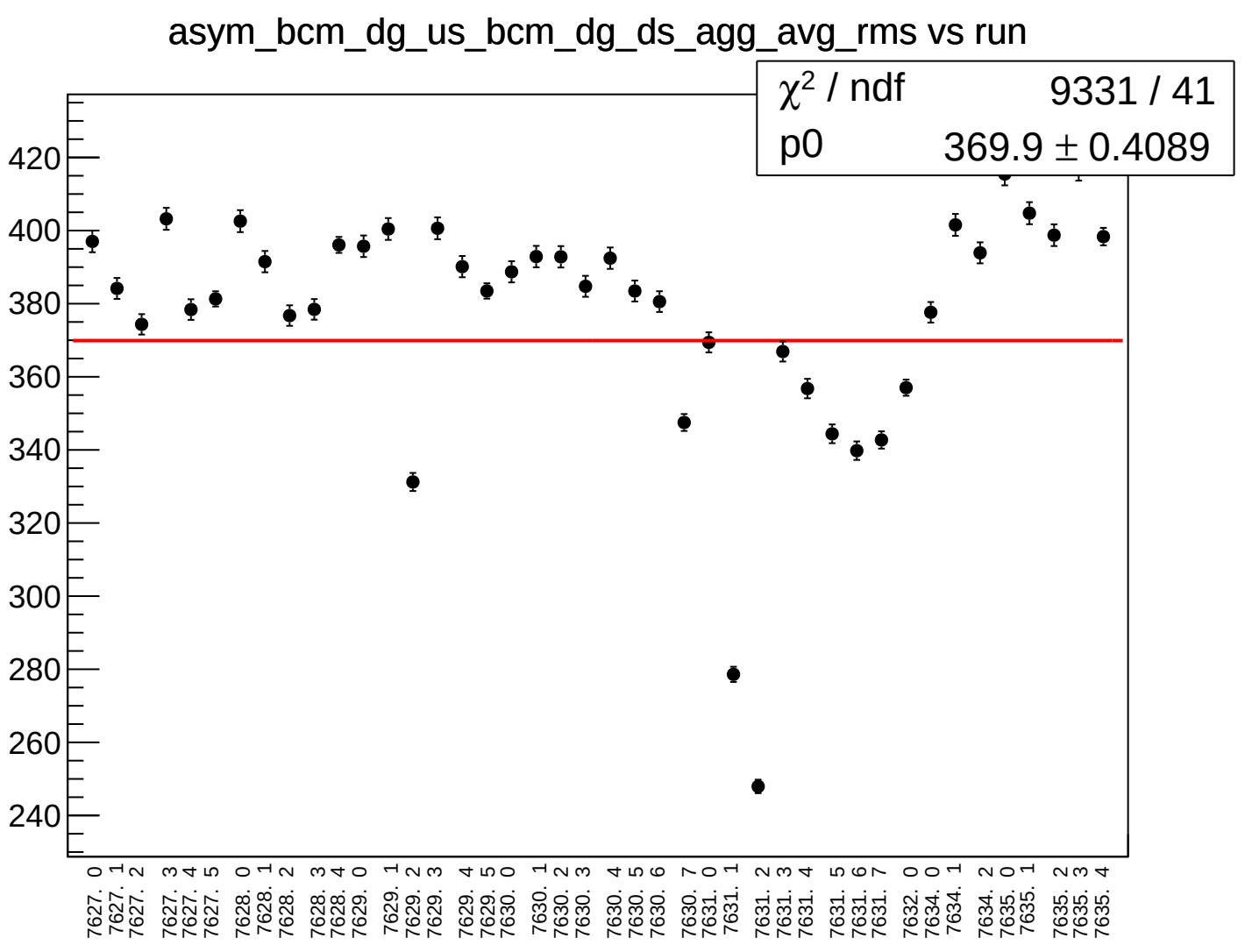

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 37.12 / 41
p0 18.87 ± 28.57
pull
Entries 42
Mean 110.9
Std Dev 0

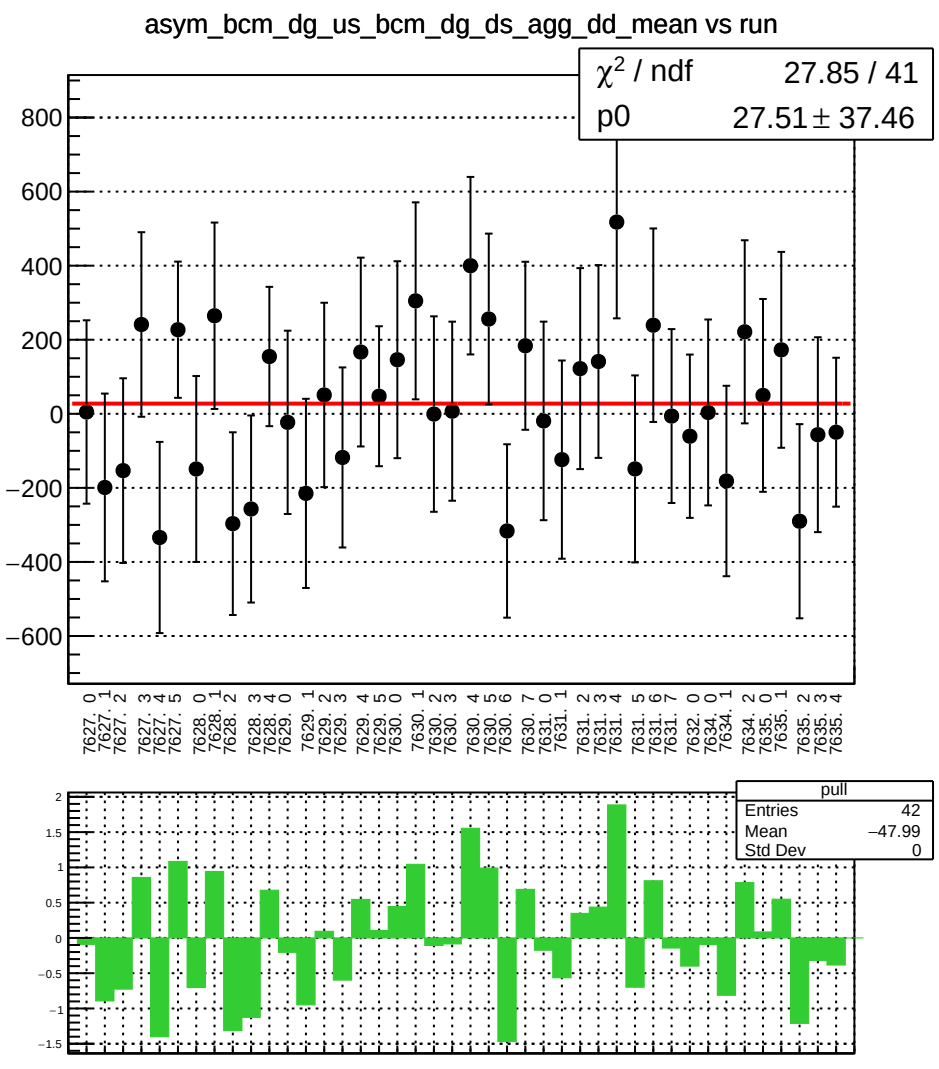

pull1D
Entries 42
Mean 0.01207
Std Dev 0.9401

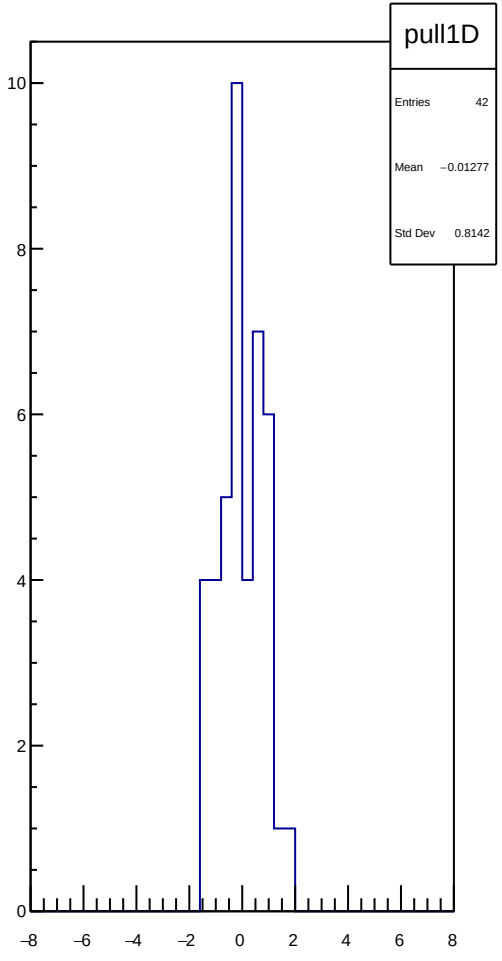

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3254 / 41
p0 18.35 ± 0.0202
22
21
20
19
18
17
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

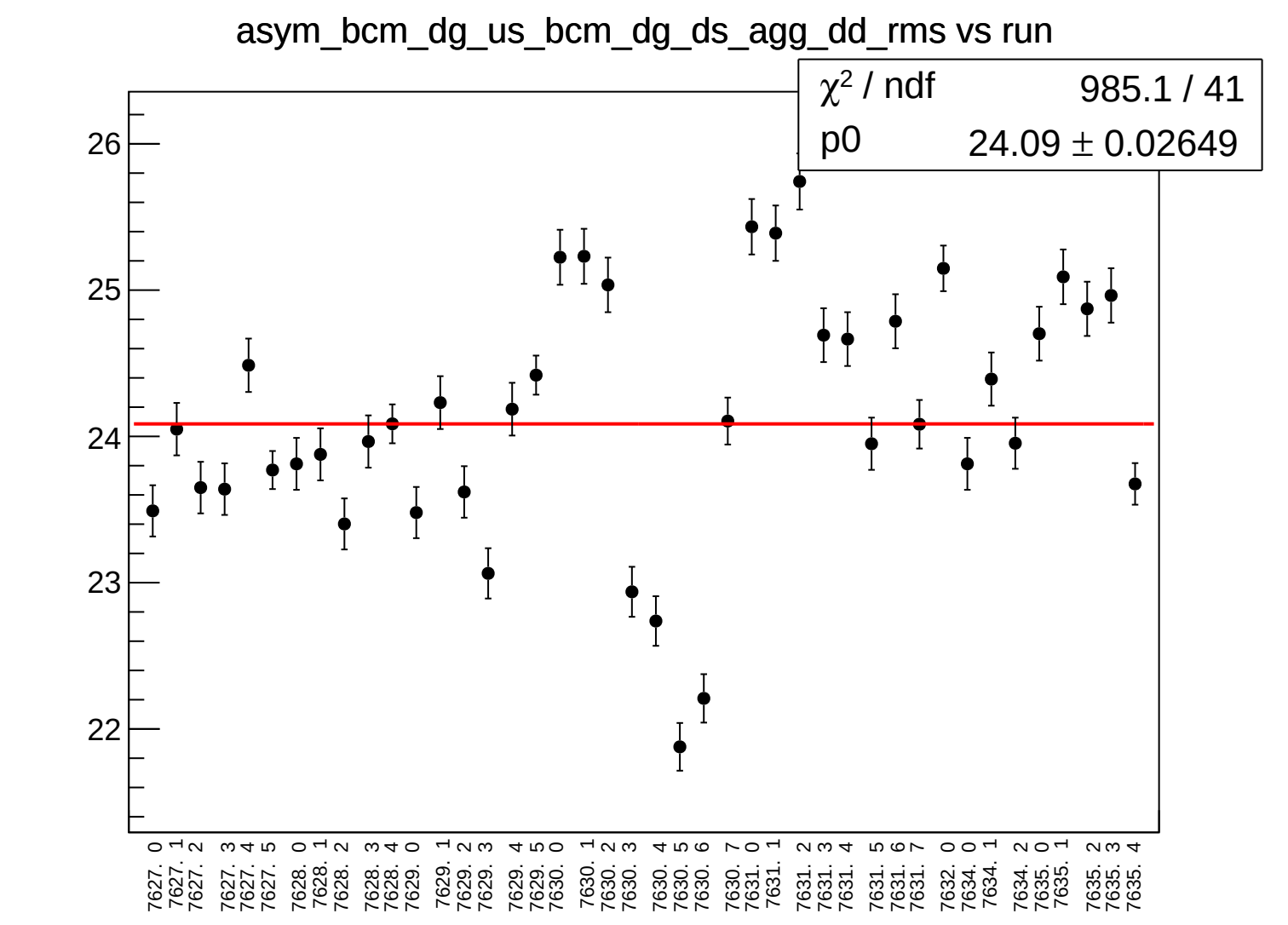

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 23.8 / 41
p0 −223.7 ± 578.2
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −62.95
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.03146
Std Dev 0.7521
18
16
14
12
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 9331 / 41
p0 369.9 ± 0.4089
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 27.85 / 41
p0 27.51 ± 37.46
pull
Entries 42
Mean −47.99
Std Dev 0


pull1D
Entries 42
Mean −0.01277
Std Dev 0.8142


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 985.1 / 41
p0 24.09 ± 0.02649
26
25
24
23
22
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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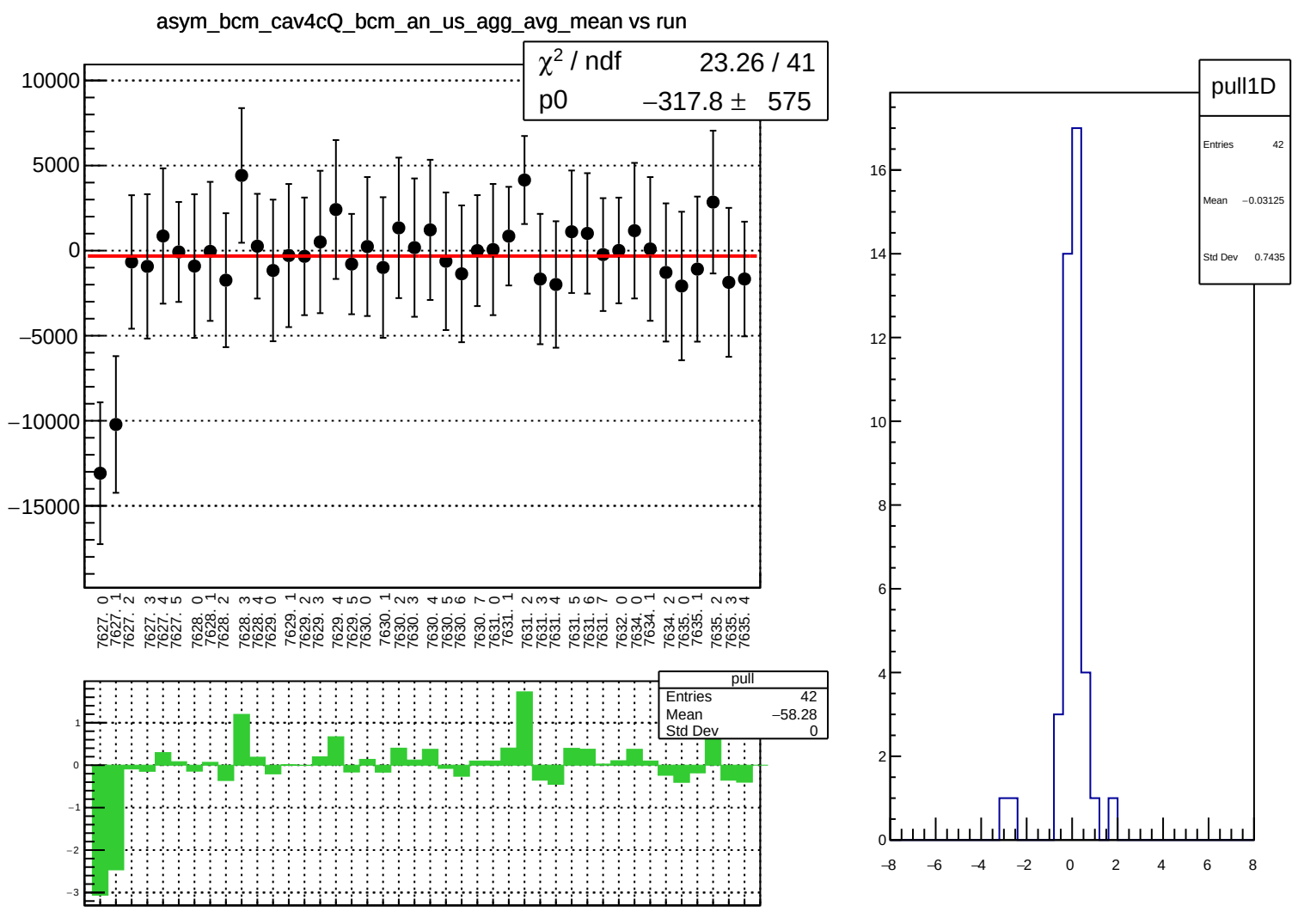
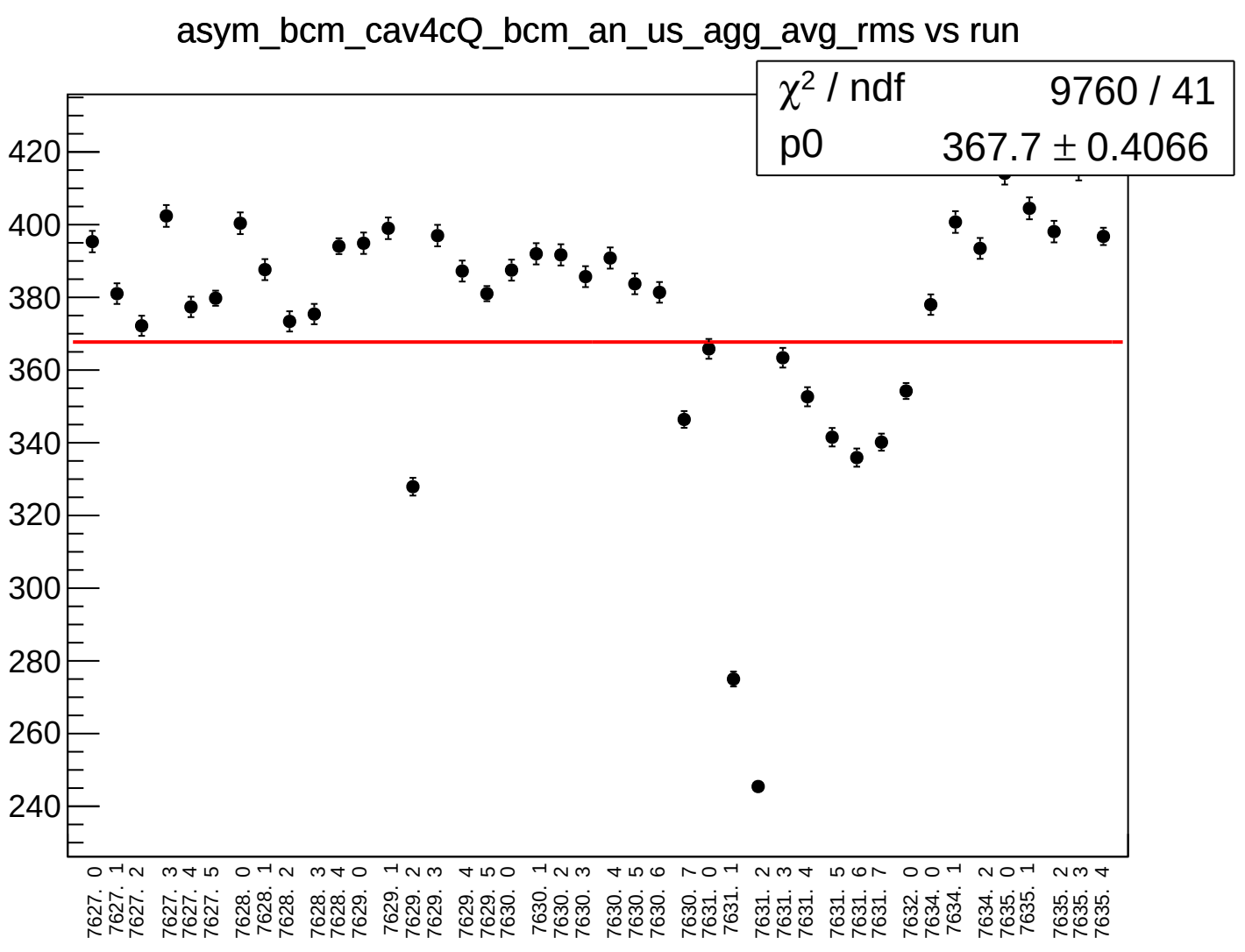
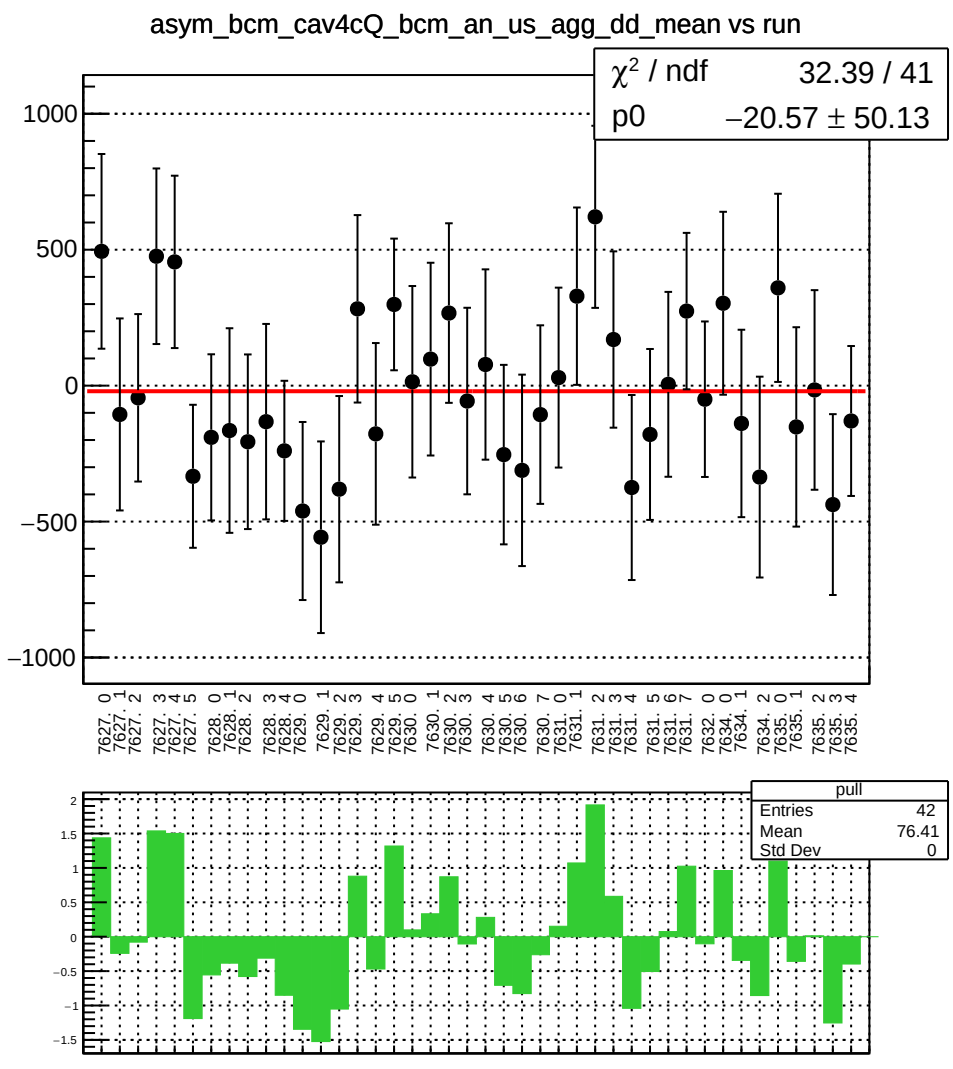
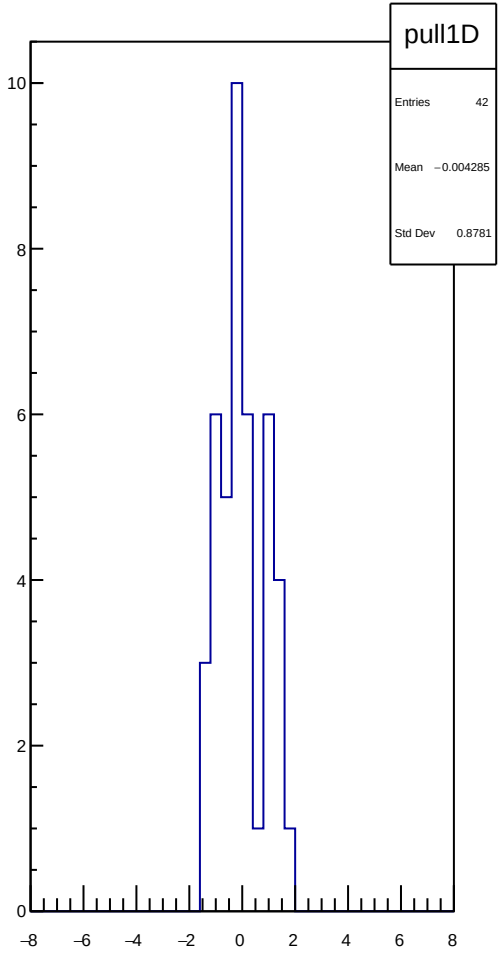
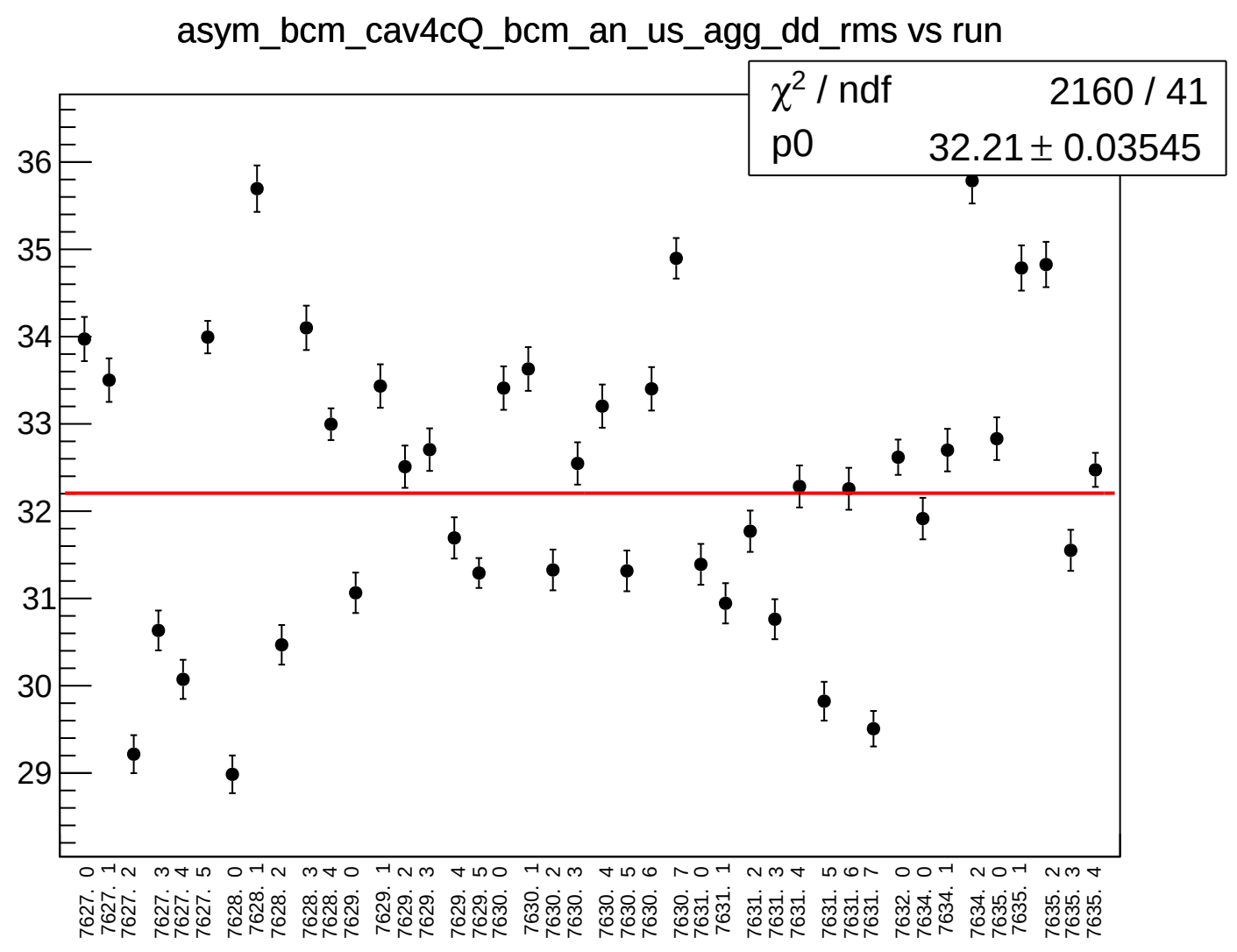
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

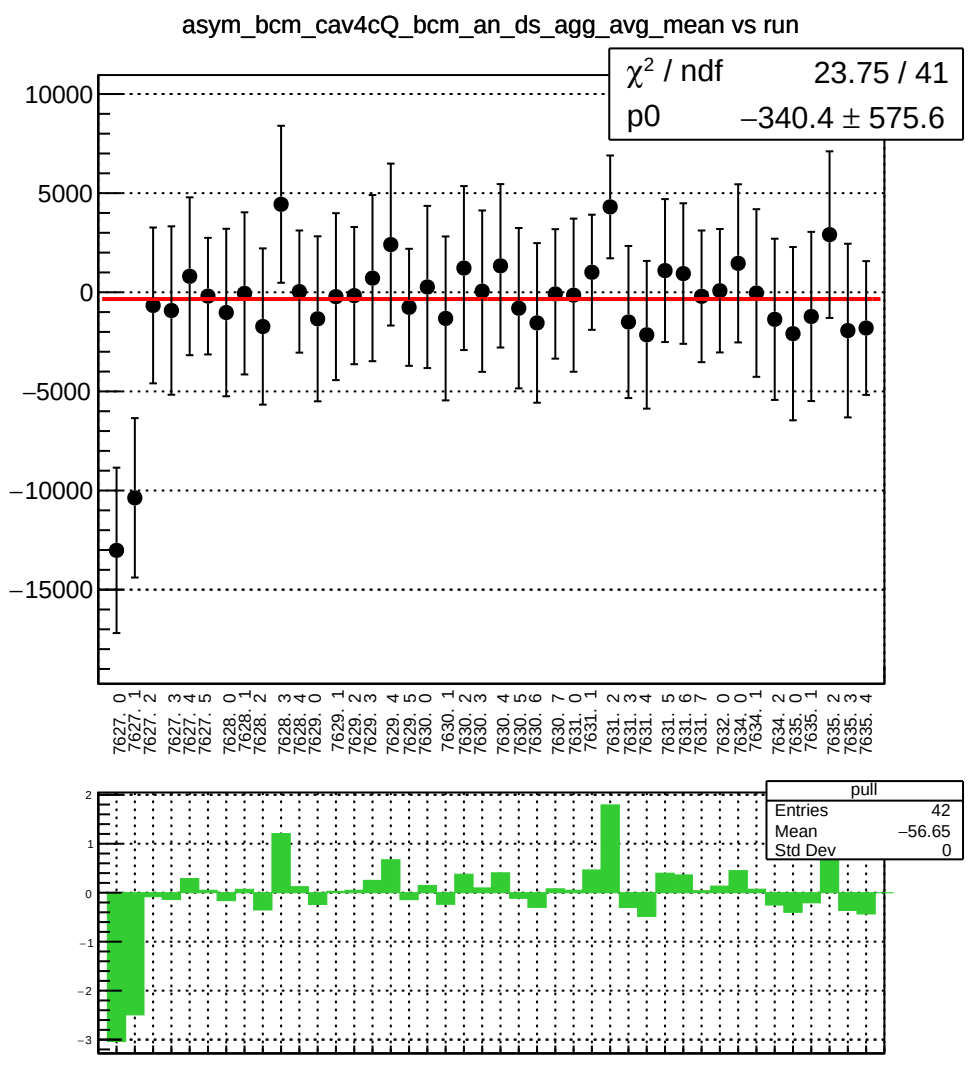

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 23.26 / 41
p0 −317.8 ± 575
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −58.28
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.03125
Std Dev 0.7435
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

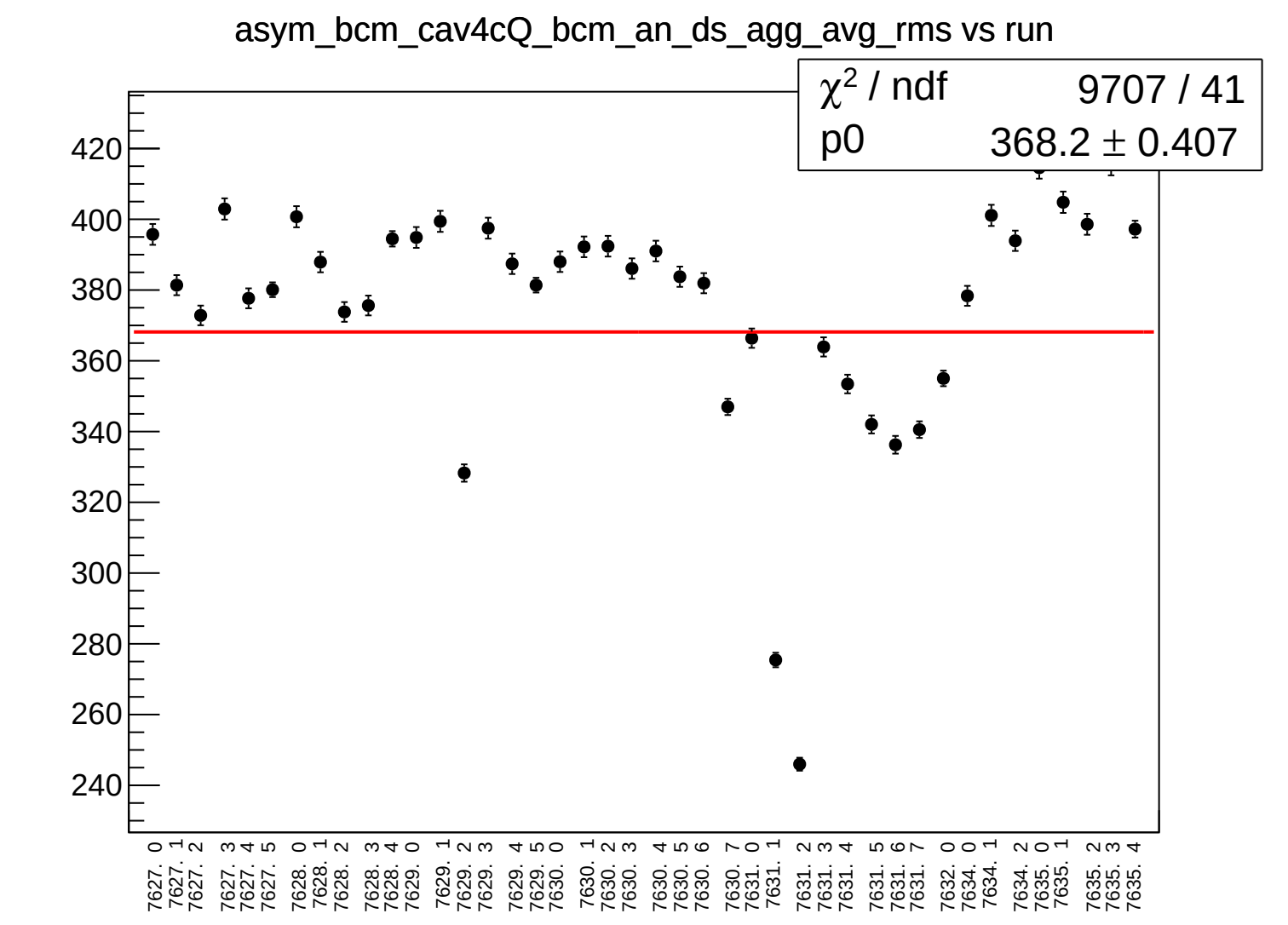

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9760 / 41
p0 367.7 ± 0.4066
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

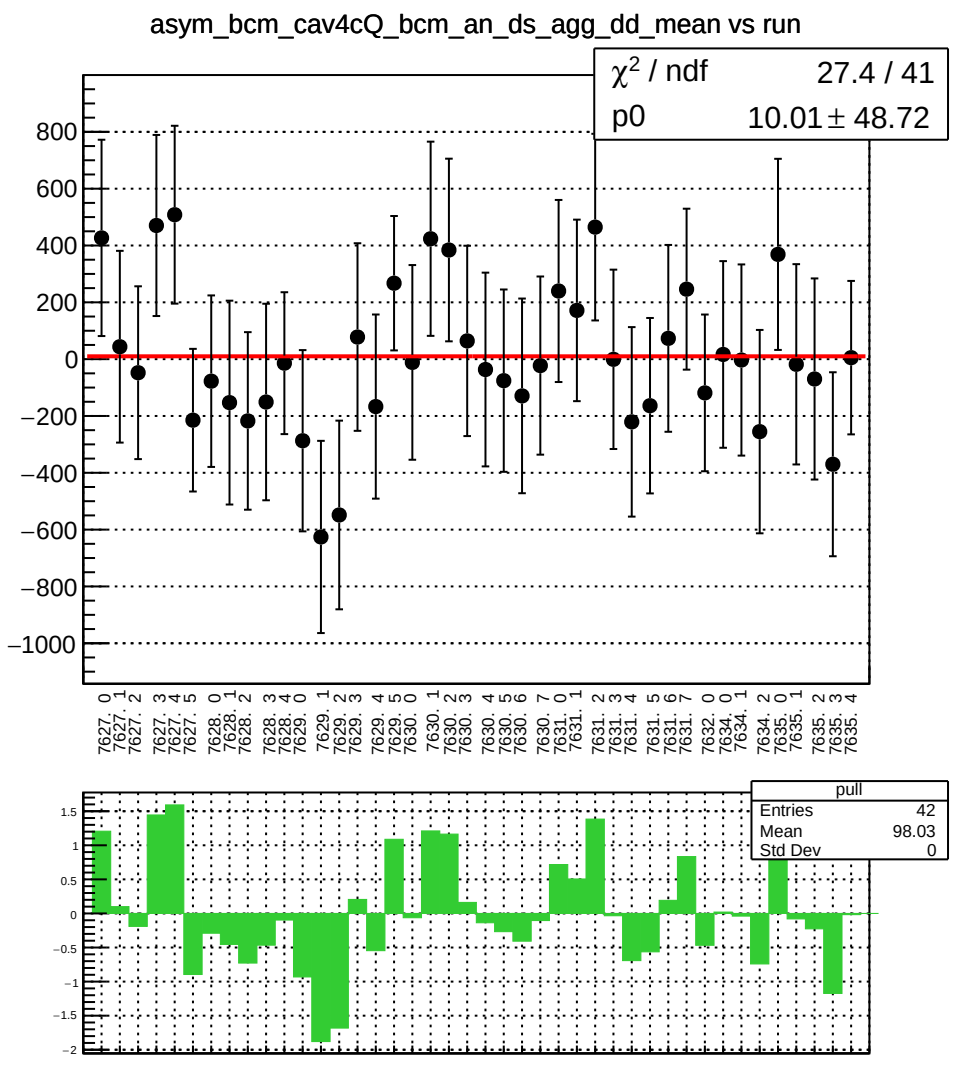

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 32.39 / 41
p0 −20.57 ± 50.13
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 76.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

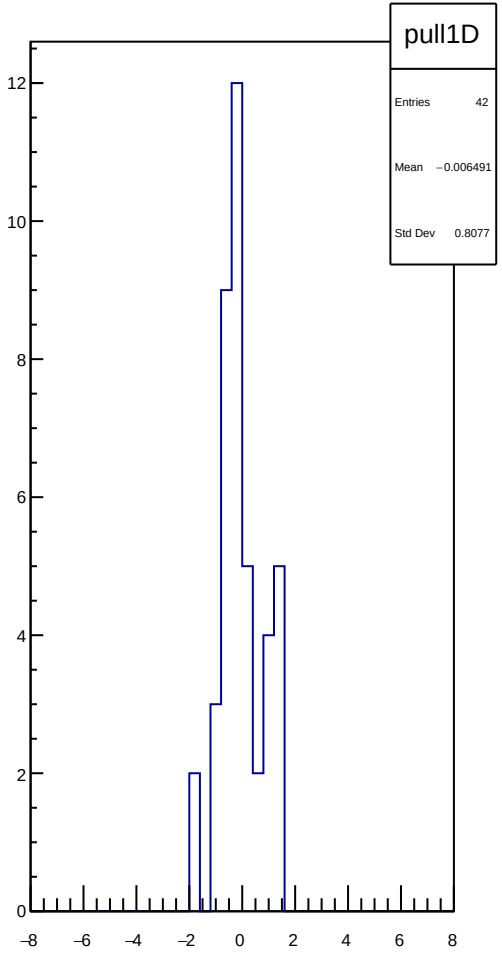

pull1D
Entries 42
Mean −0.004285
Std Dev 0.8781
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

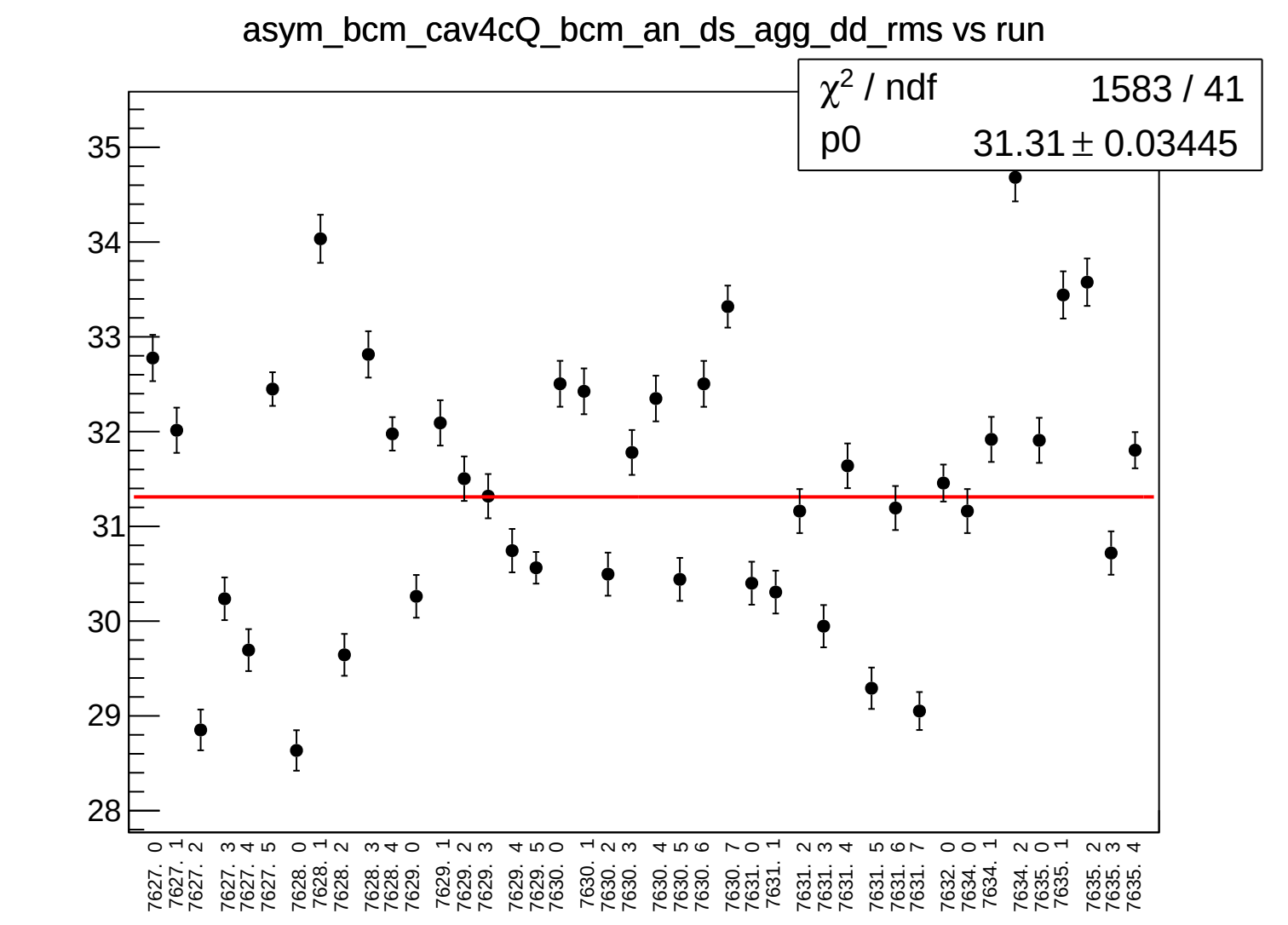

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 2160 / 41
p0 32.21 ± 0.03545
36
35
34
33
32
31
30
29
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

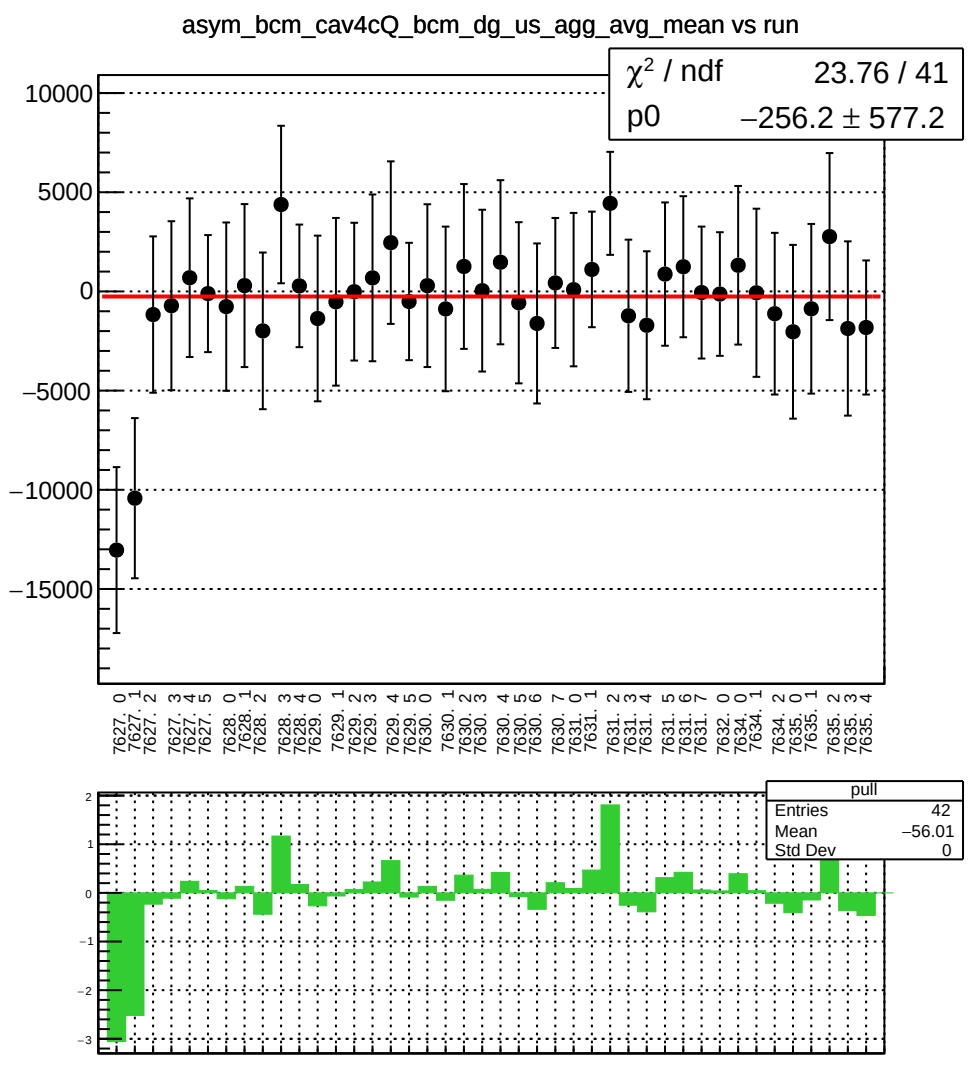

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 23.75 / 41
p0 −340.4 ± 575.6
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −56.65
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.03222
Std Dev 0.7514
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

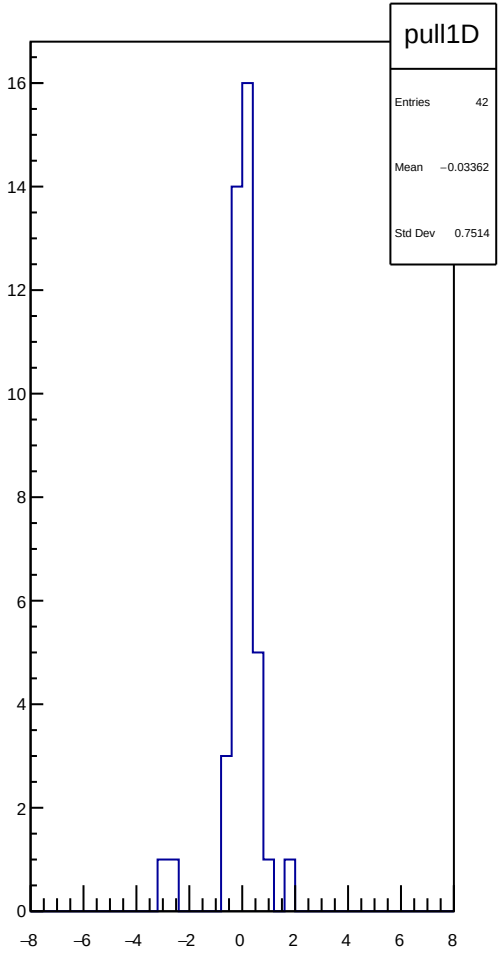

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9707 / 41
p0 368.2 ± 0.407
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

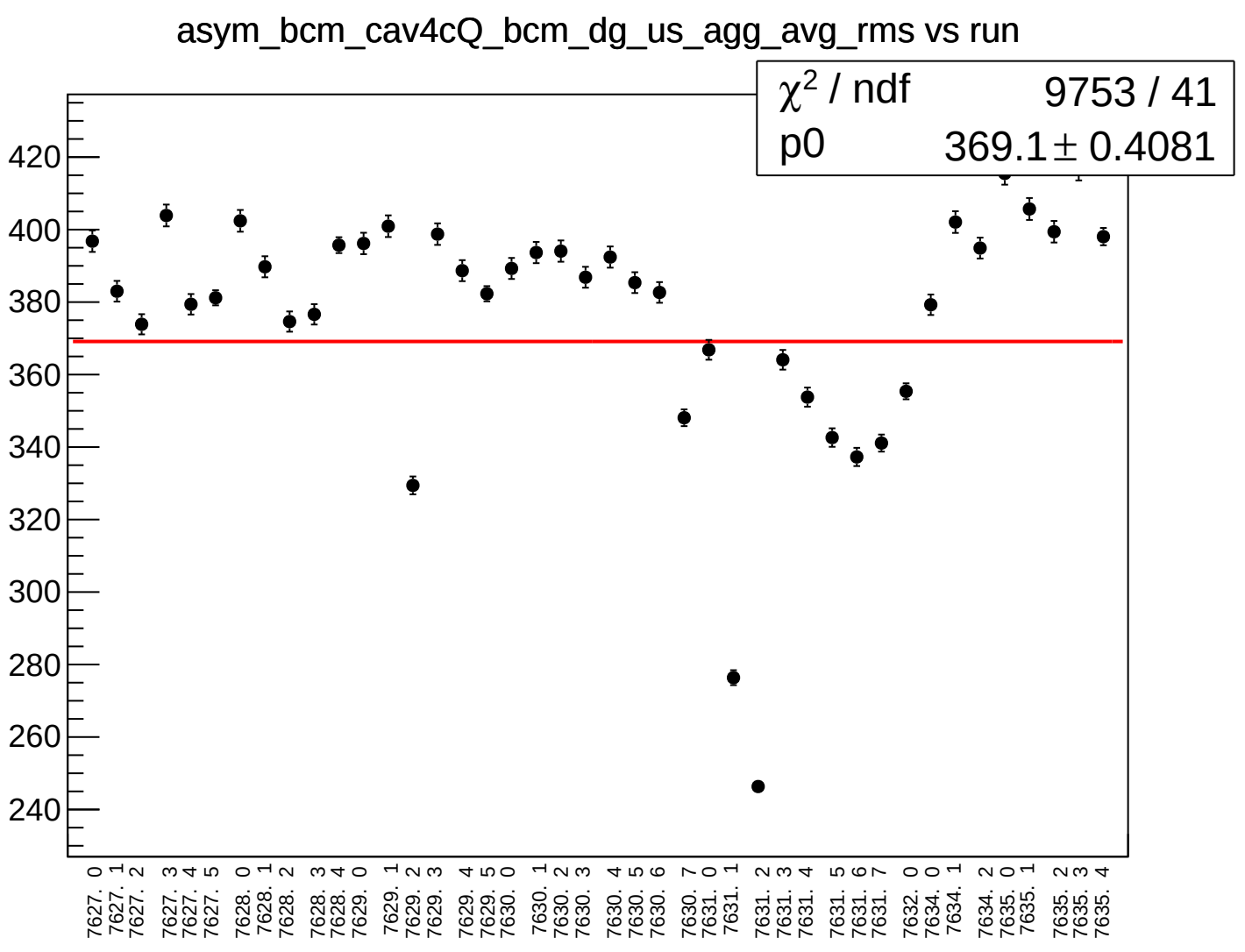

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 27.4 / 41
p0 10.01 ± 48.72
pull
Entries 42
Mean 98.03
Std Dev 0

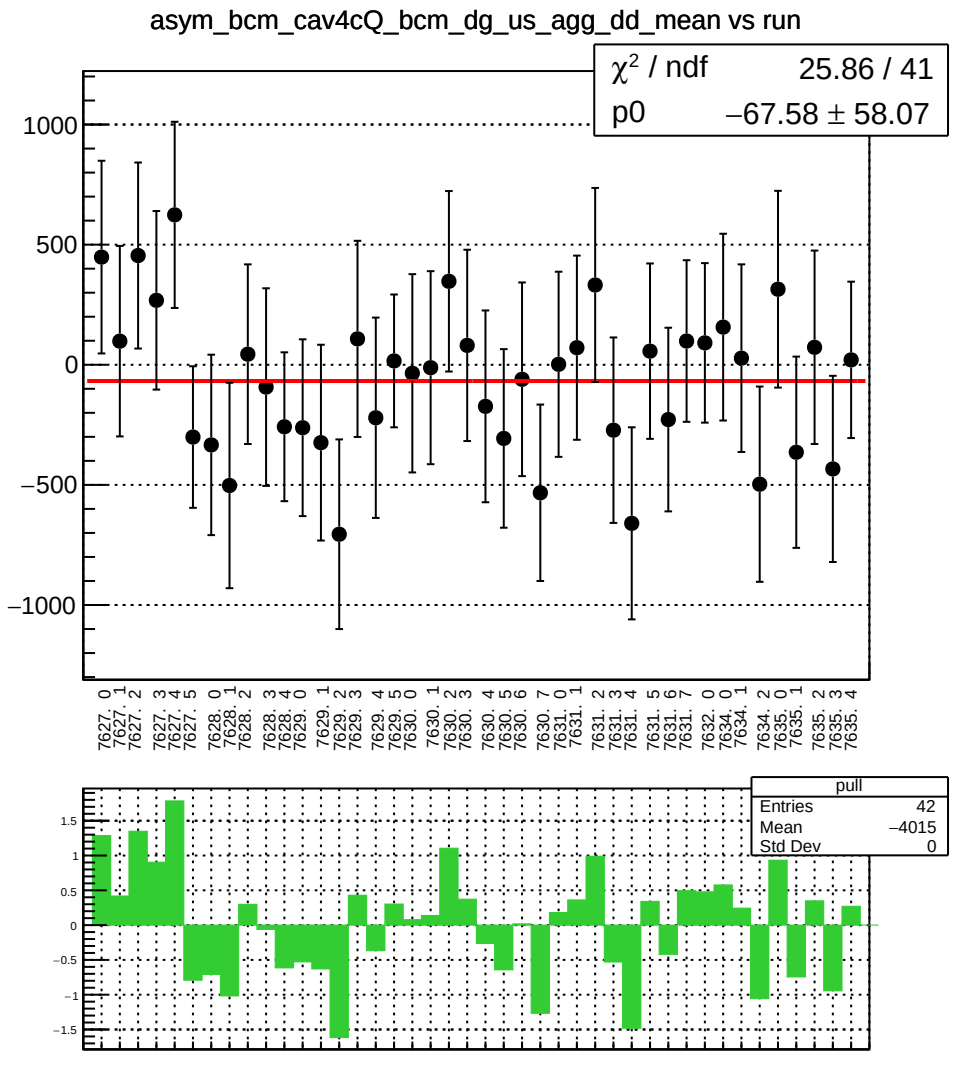

pull1D
Entries 42
Mean −0.006491
Std Dev 0.8077

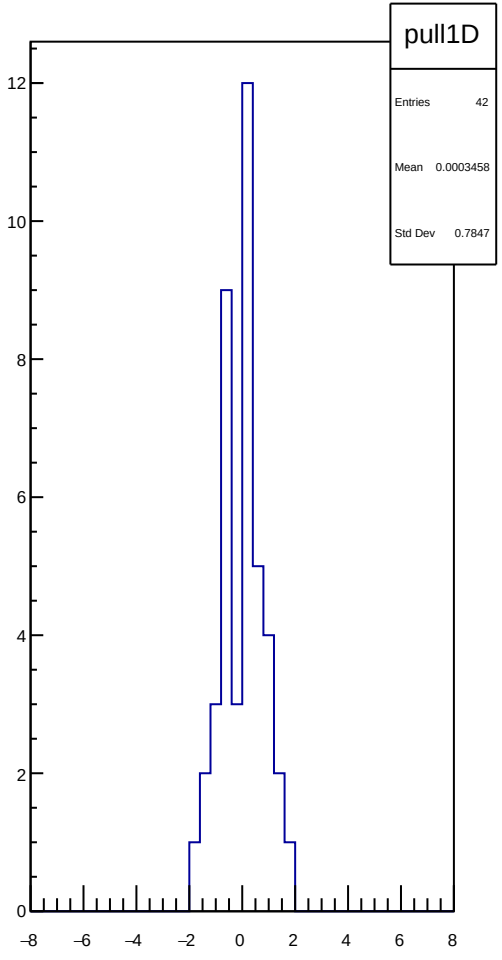

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1583 / 41
p0 31.31 ± 0.03445
35
34
33
32
31
30
29
28
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

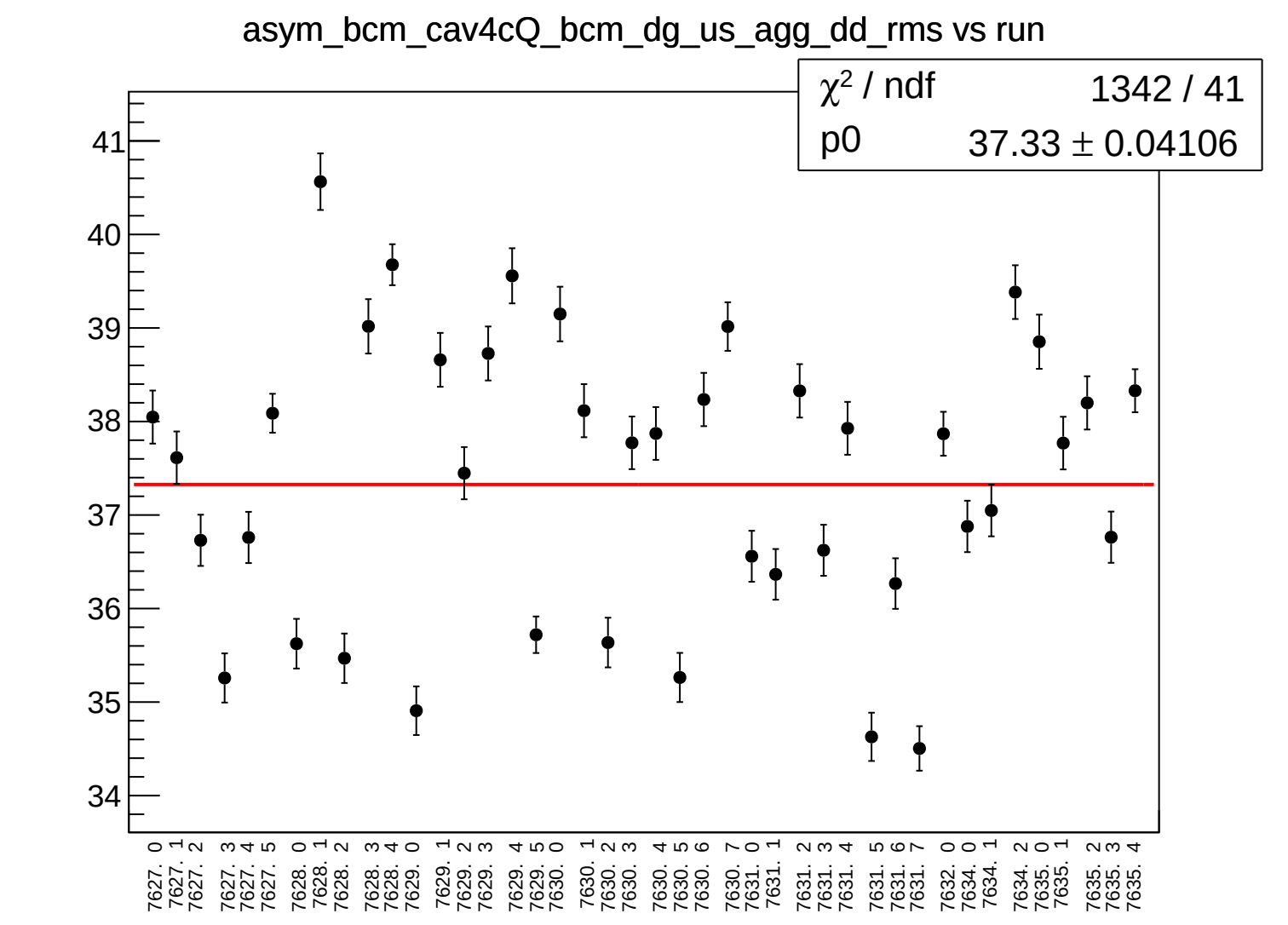

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 23.76 / 41
p0 −256.2 ± 577.2
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −56.01
Std Dev 0
2
1
0
−1
−2
−3

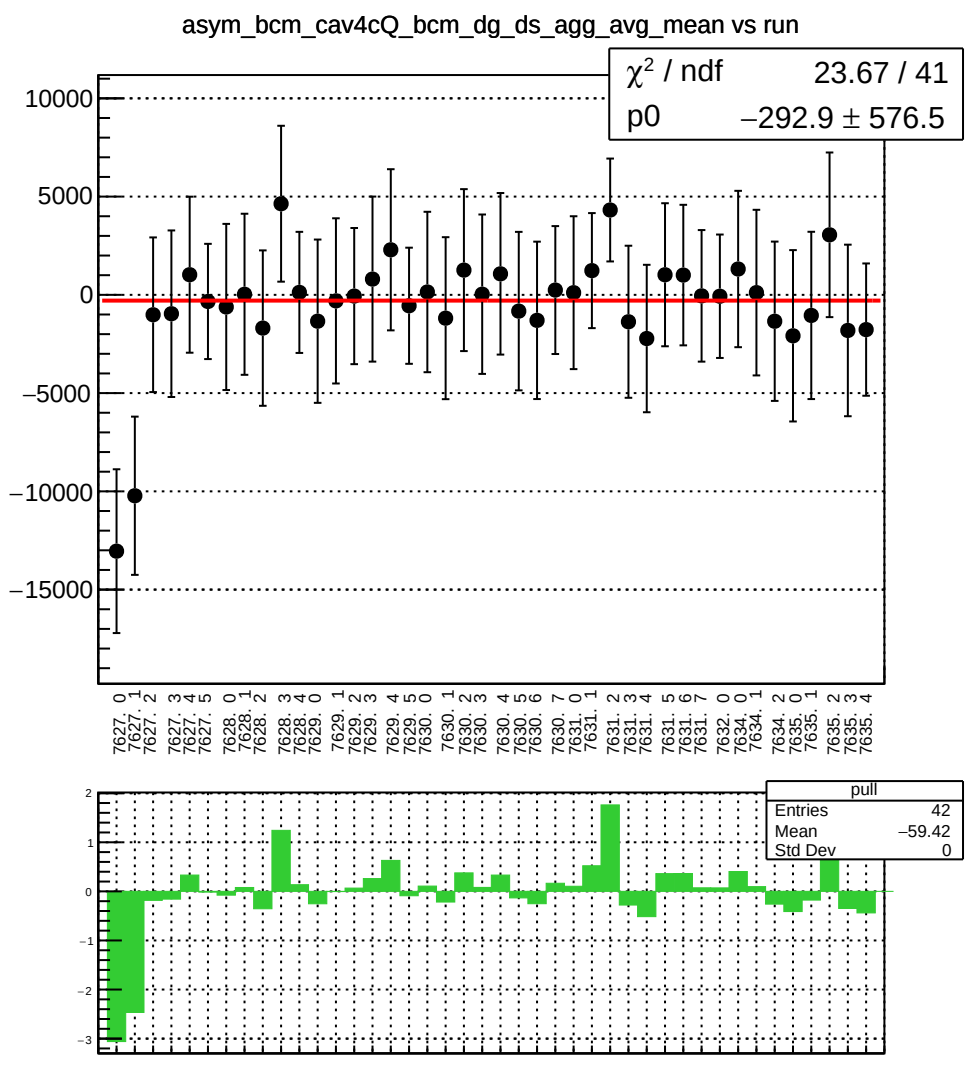

pull1D
Entries 42
Mean −0.03362
Std Dev 0.7514
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

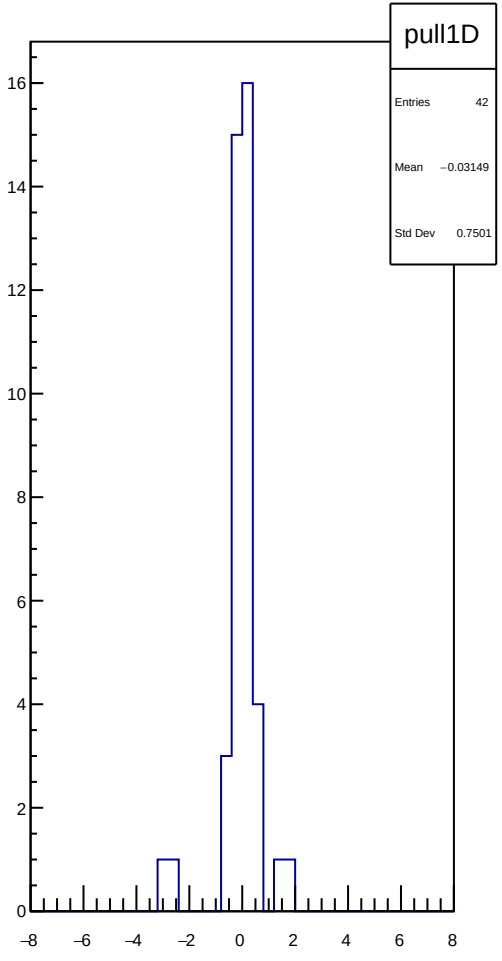

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 9753 / 41
p0 369.1 ± 0.4081
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

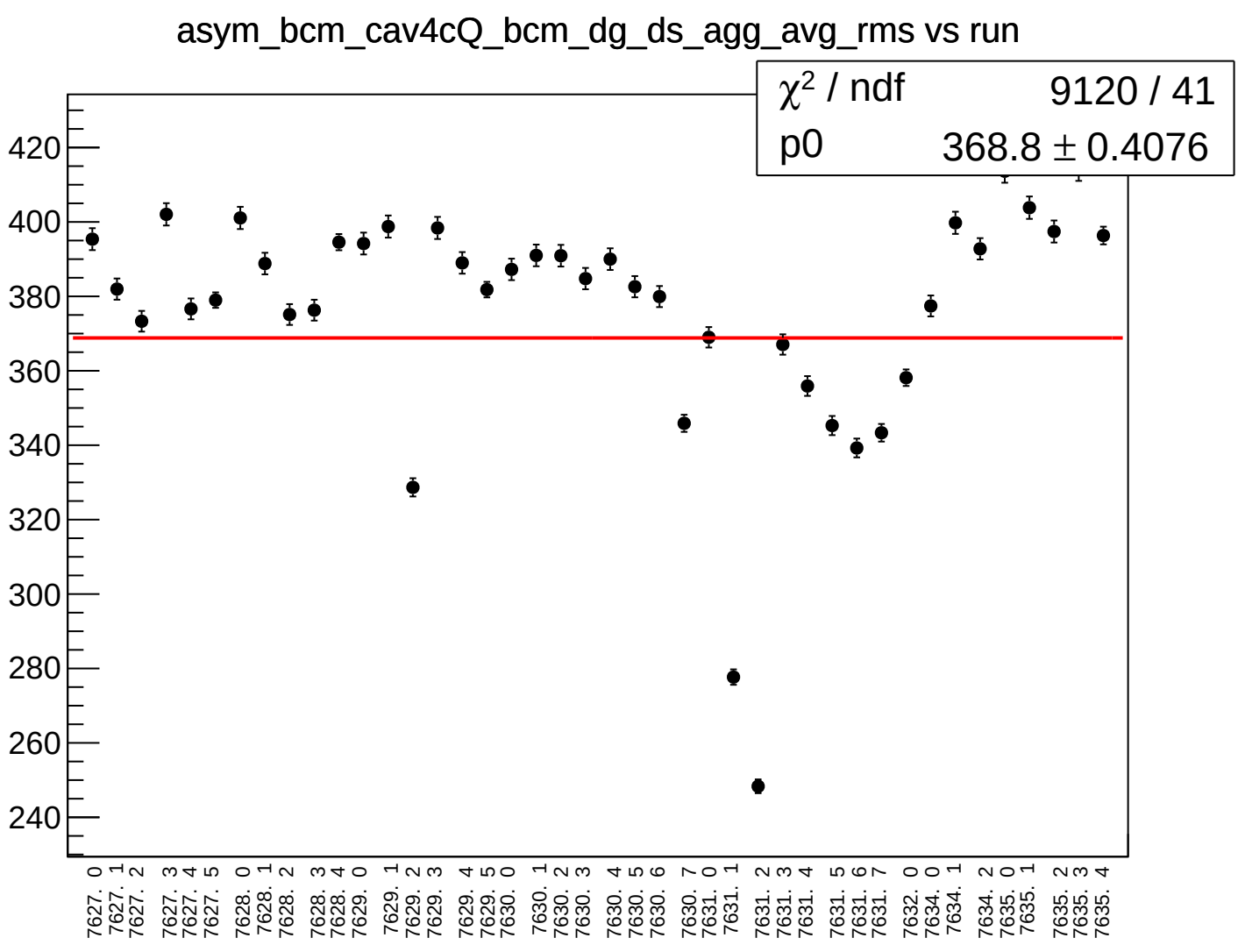

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 25.86 / 41
p0 −67.58 ± 58.07
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4015
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

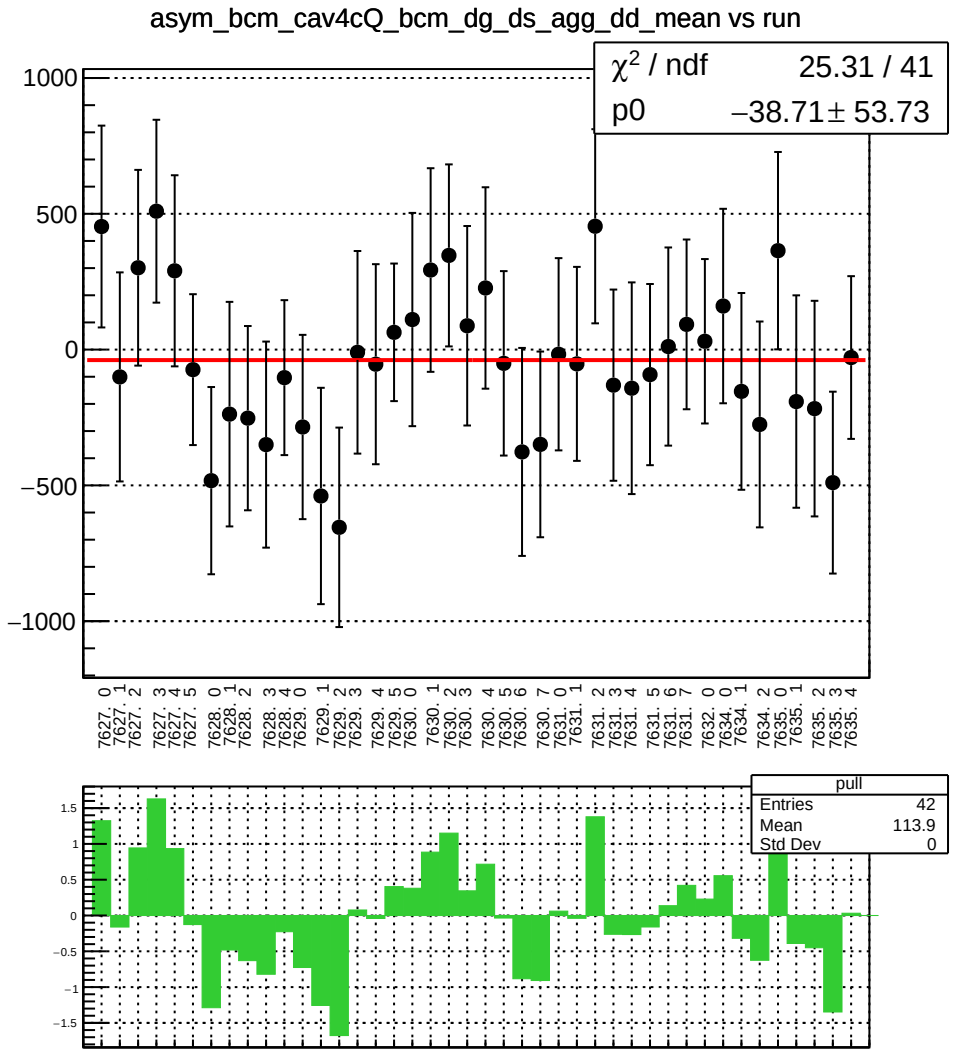

pull1D
Entries 42
Mean 0.0003458
Std Dev 0.7847
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

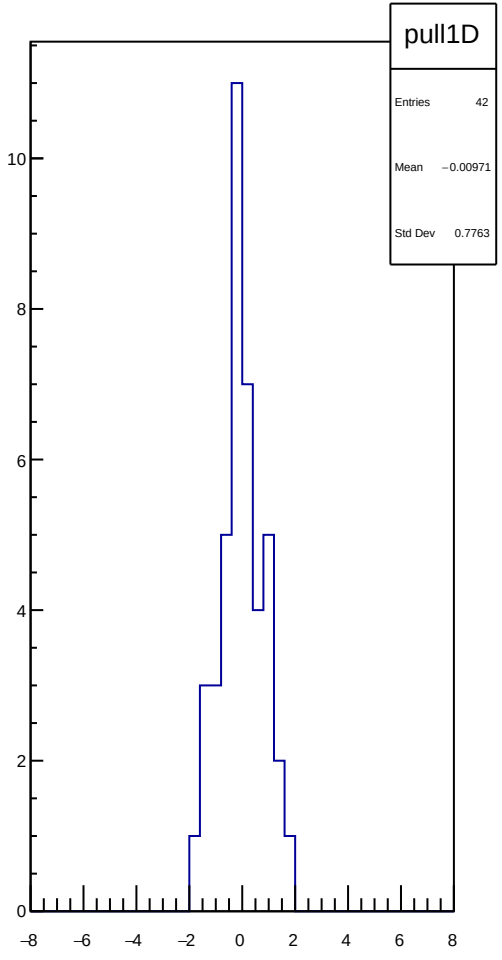

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1342 / 41
p0 37.33 ± 0.04106
41
40
39
38
37
36
35
34
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

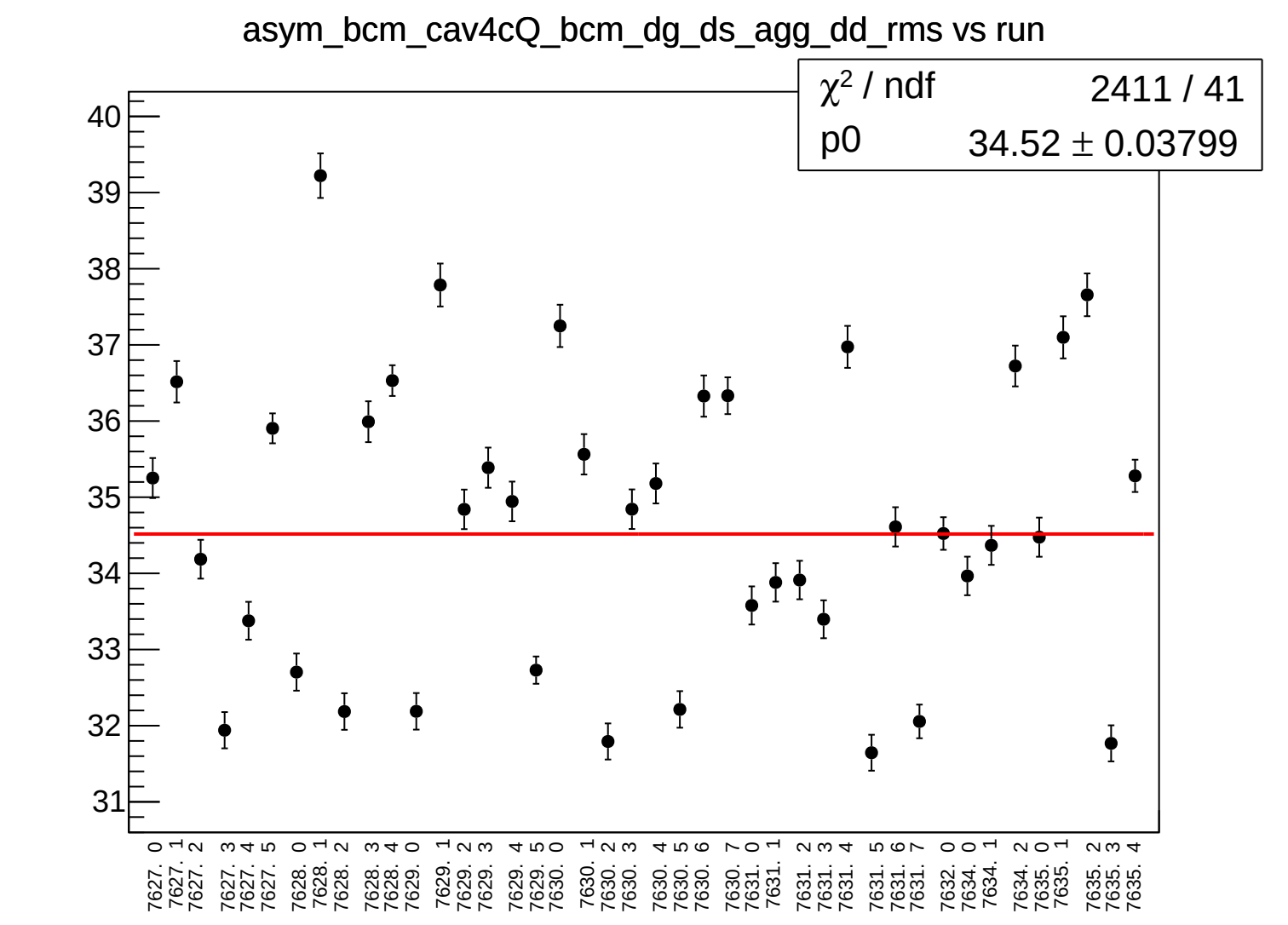

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 23.67 / 41
p0 −292.9 ± 576.5
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −59.42
Std Dev 0
2
1
0
−1
−2
−3

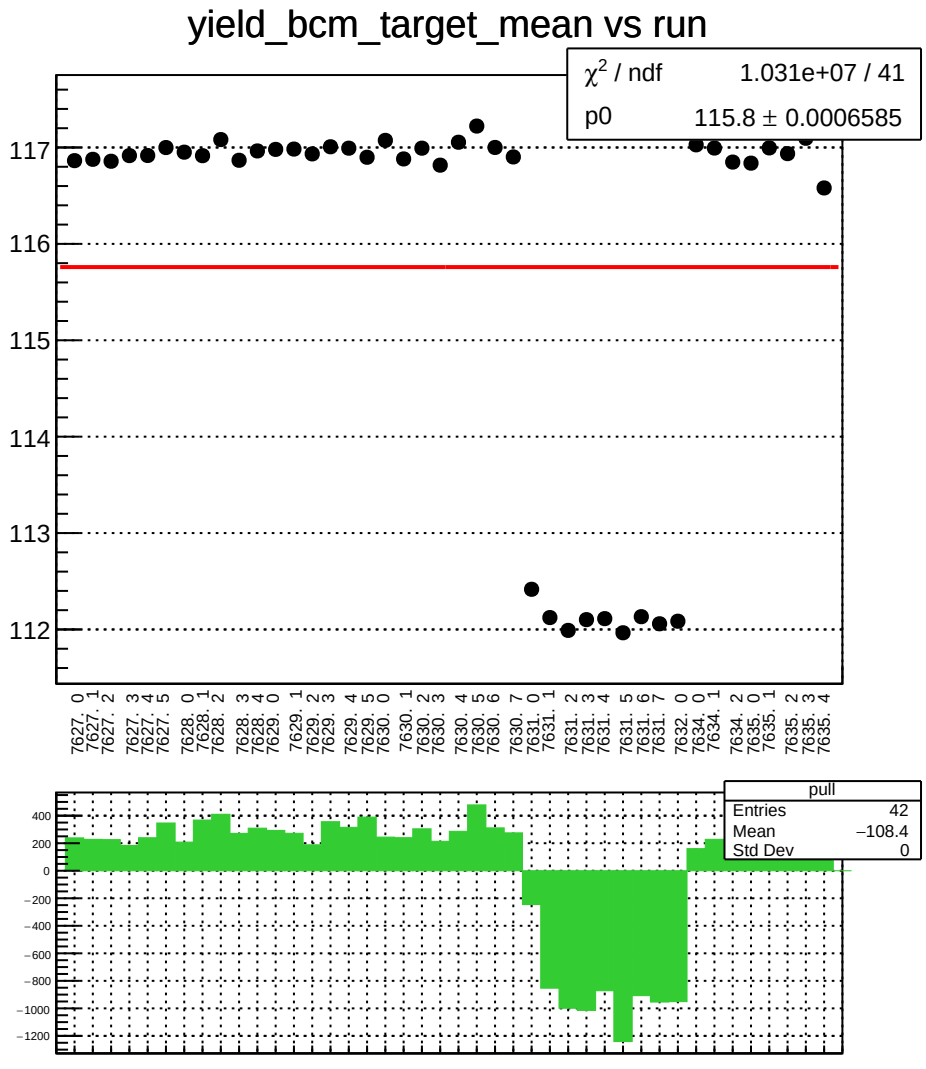

pull1D
Entries 42
Mean −0.03149
Std Dev 0.7501
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

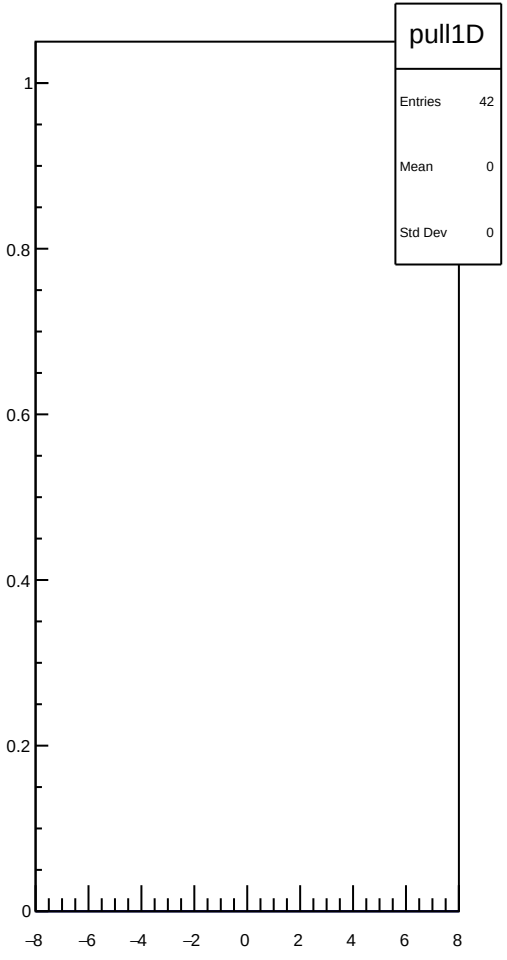

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 9120 / 41
p0 368.8 ± 0.4076
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

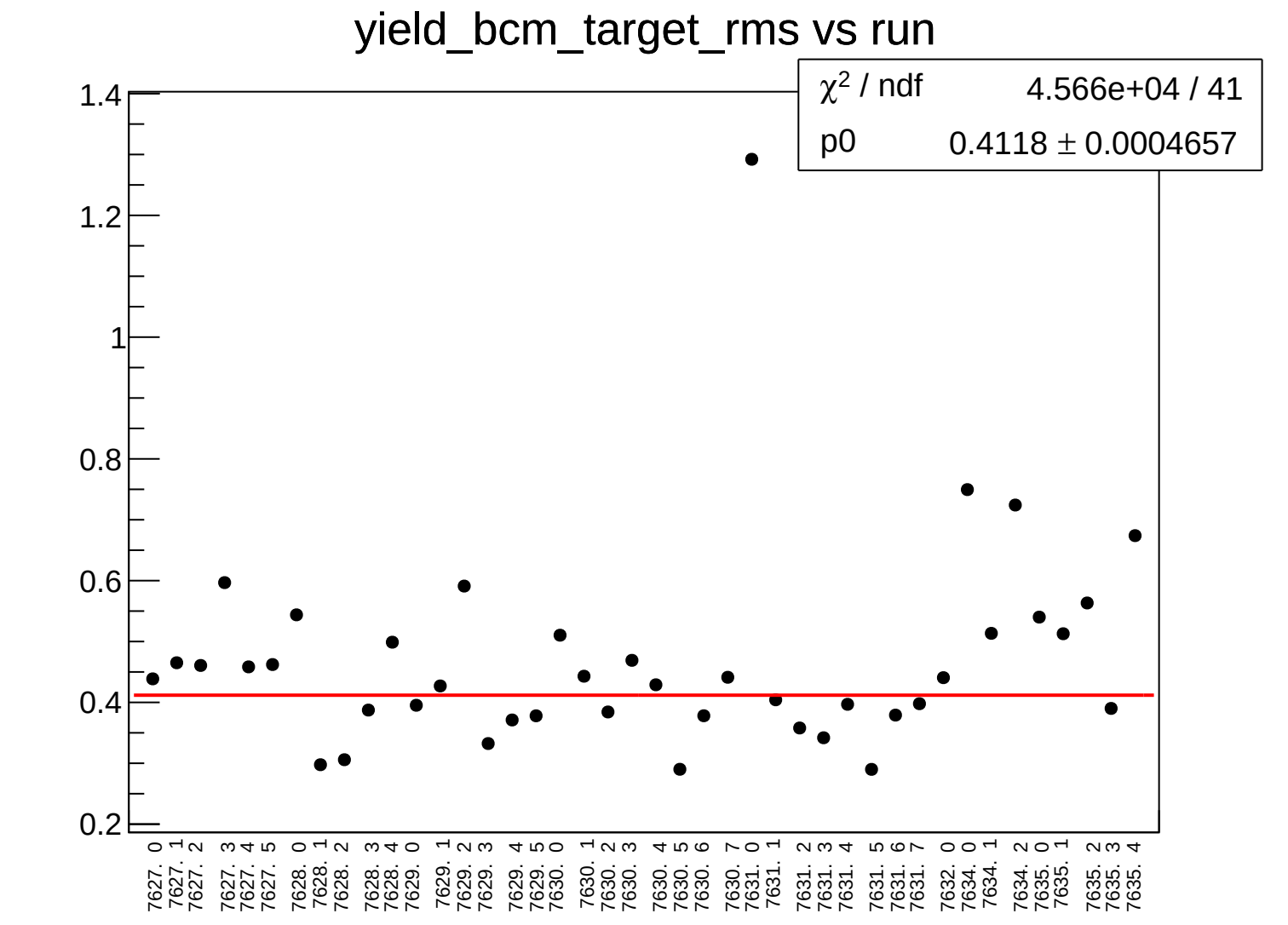

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 25.31 / 41
p0 −38.71 ± 53.73
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 113.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

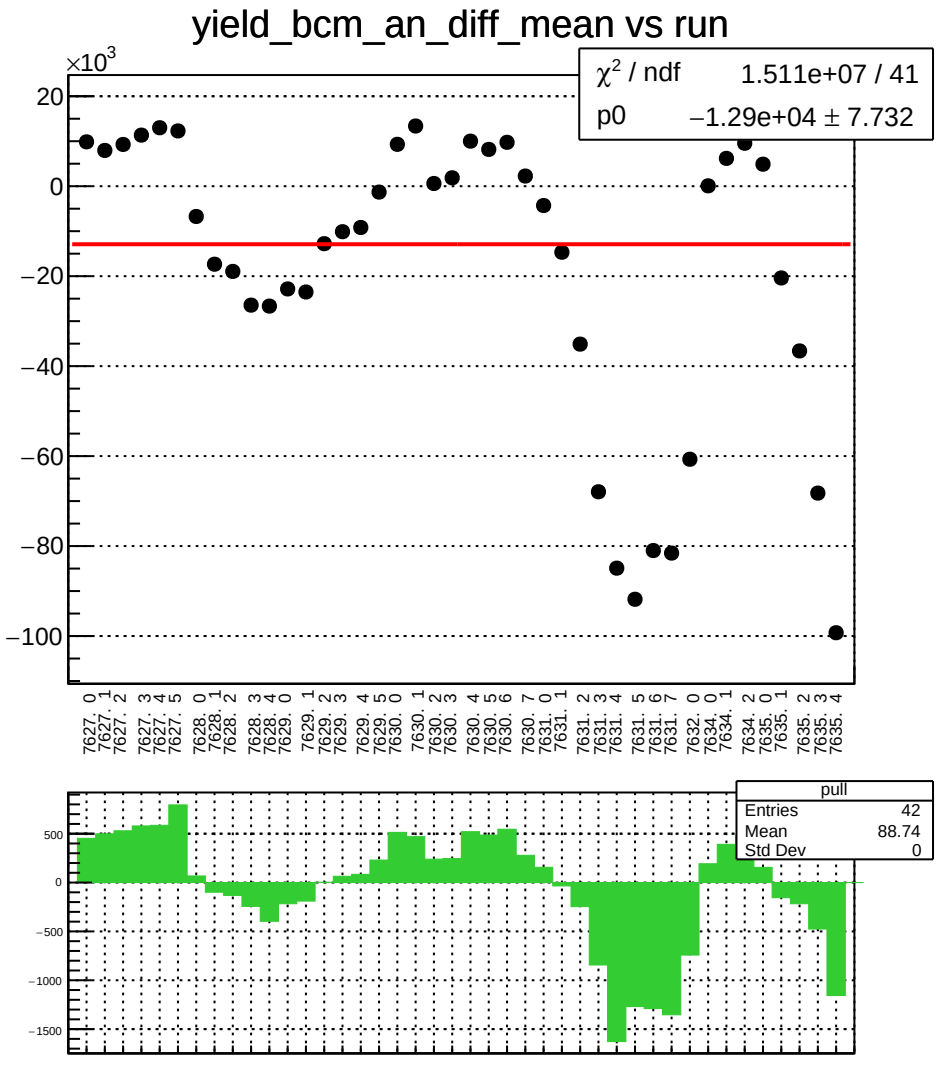

pull1D
Entries 42
Mean −0.00971
Std Dev 0.7763
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

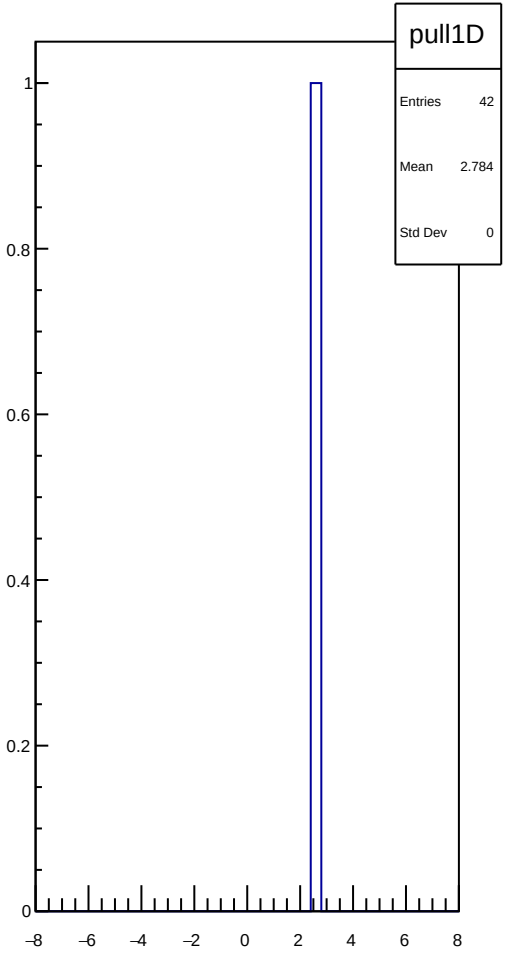

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2411 / 41
p0 34.52 ± 0.03799
40
39
38
37
36
35
34
33
32
31
17627. 0
17627. 1
17627. 2
17627. 3
17627. 4
17627. 5
17628. 0
17628. 1
17628. 2
17628. 3
17628. 4
17629. 0
17629. 1
17629. 2
17629. 3
17629. 4
17629. 5
17630. 0
17630. 1
17630. 2
17630. 3
17630. 4
17630. 5
17630. 6
17630. 7
17631. 0
17631. 1
17631. 2
17631. 3
17631. 4
17631. 5
17631. 6
17631. 7
17632. 0
17634. 0
17634. 1
17634. 2
17635. 0
17635. 1
17635. 2
17635. 3
17635. 4

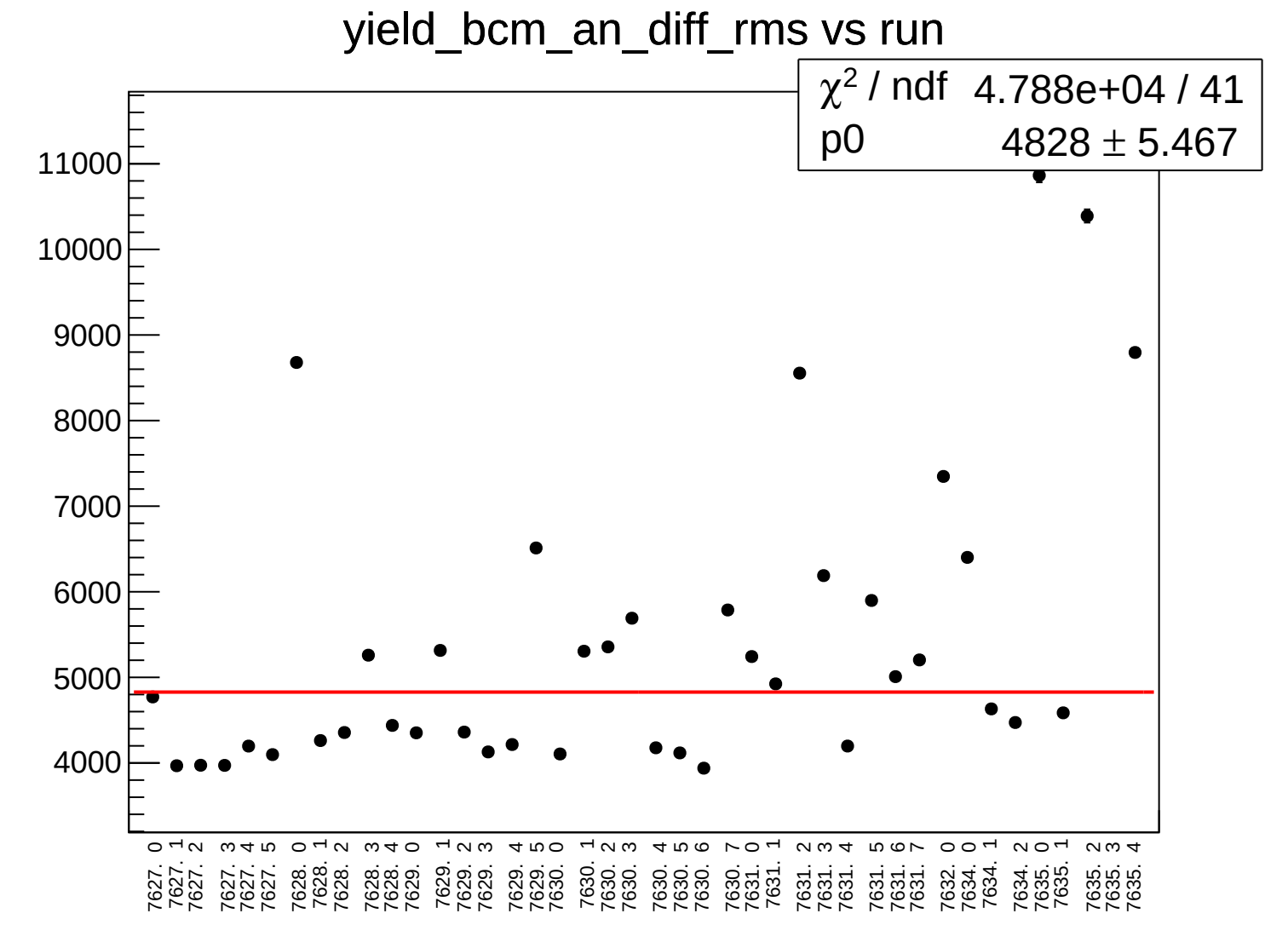

yield_bcm_target_mean vs run
χ² / ndf 1.031e+07 / 41
p0 115.8 ± 0.0006585
117
116
115
114
113
112
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −108.4
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200

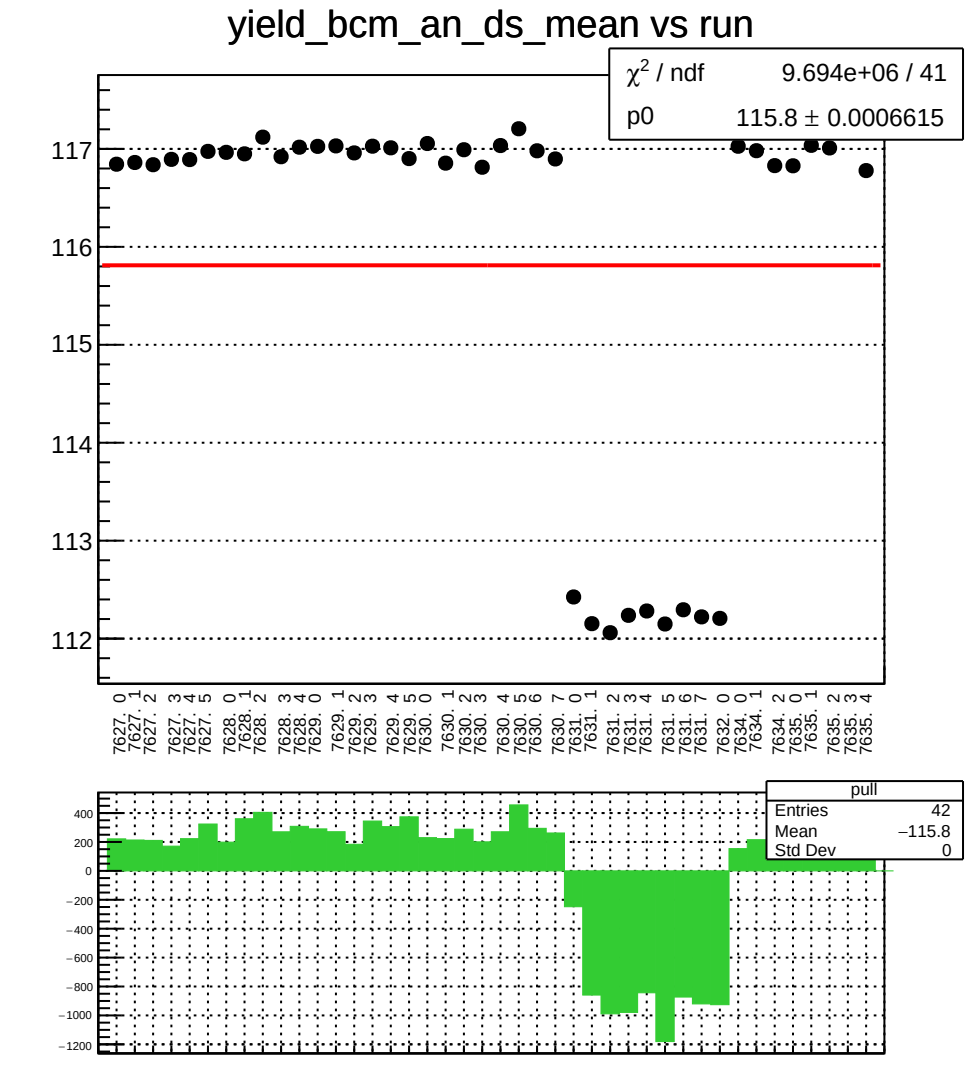

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

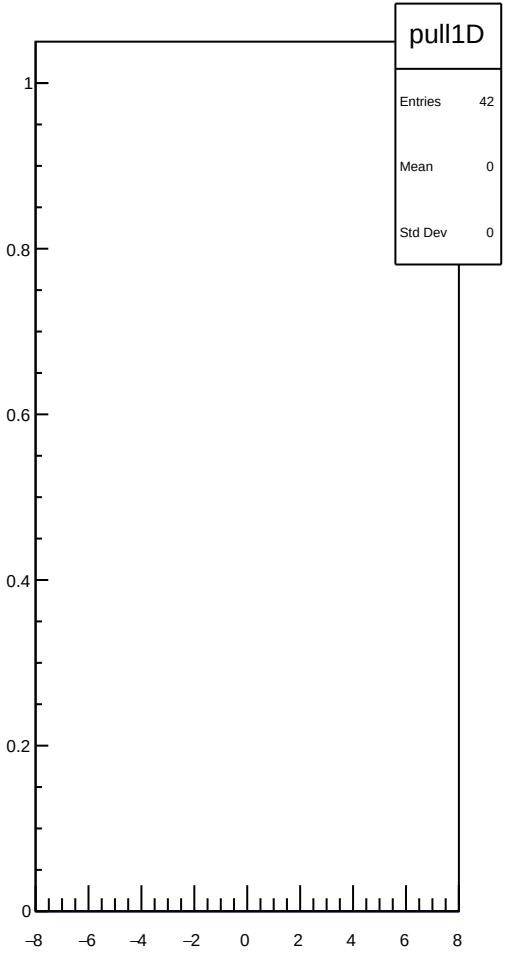

yield_bcm_target_rms vs run
χ² / ndf 4.566e+04 / 41
p0 0.4118 ± 0.0004657
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

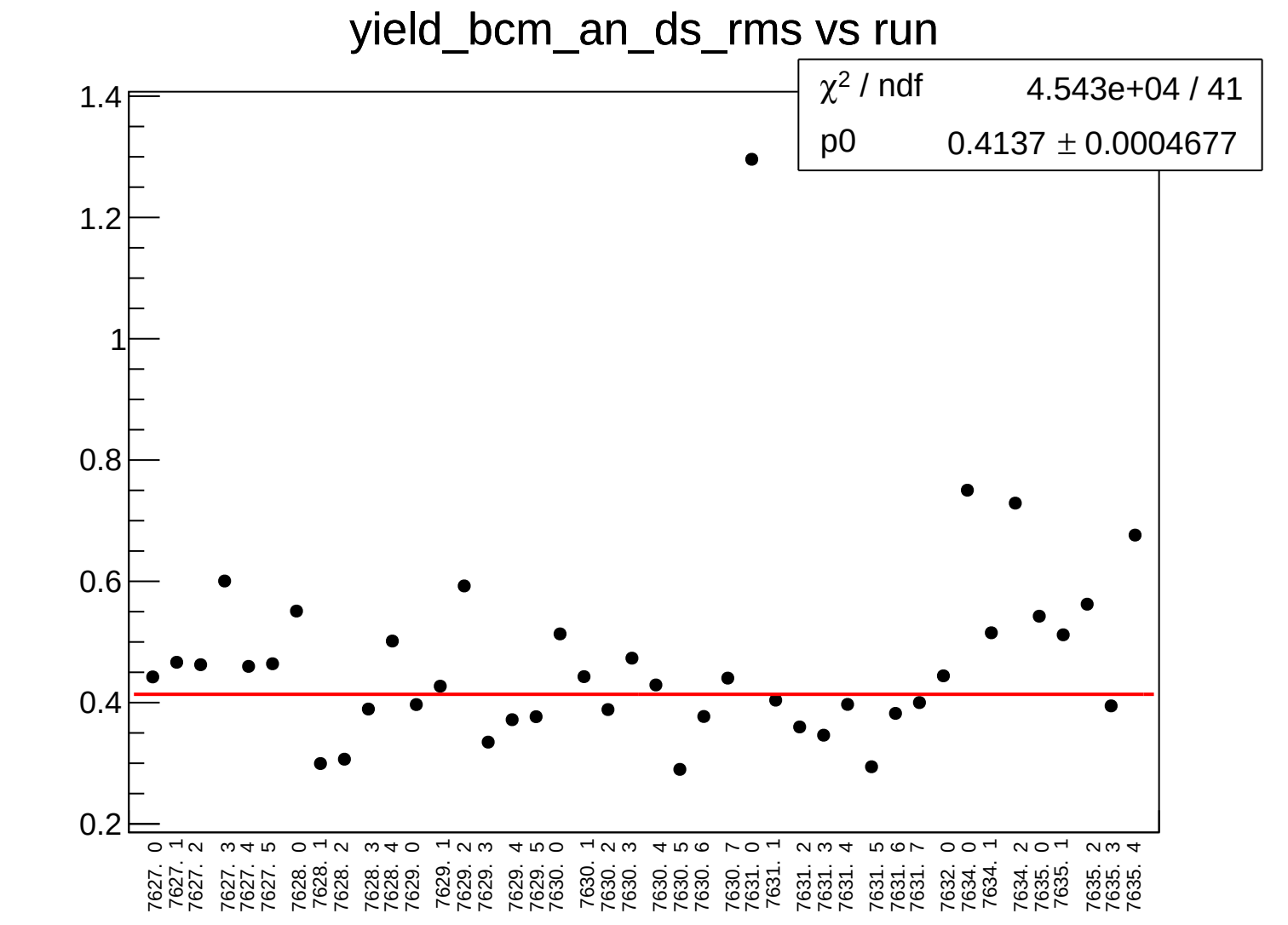

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 1.511e+07 / 41
p0 −1.29e+04 ± 7.732
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 88.74
Std Dev 0
500
0
−500
−1000
−1500

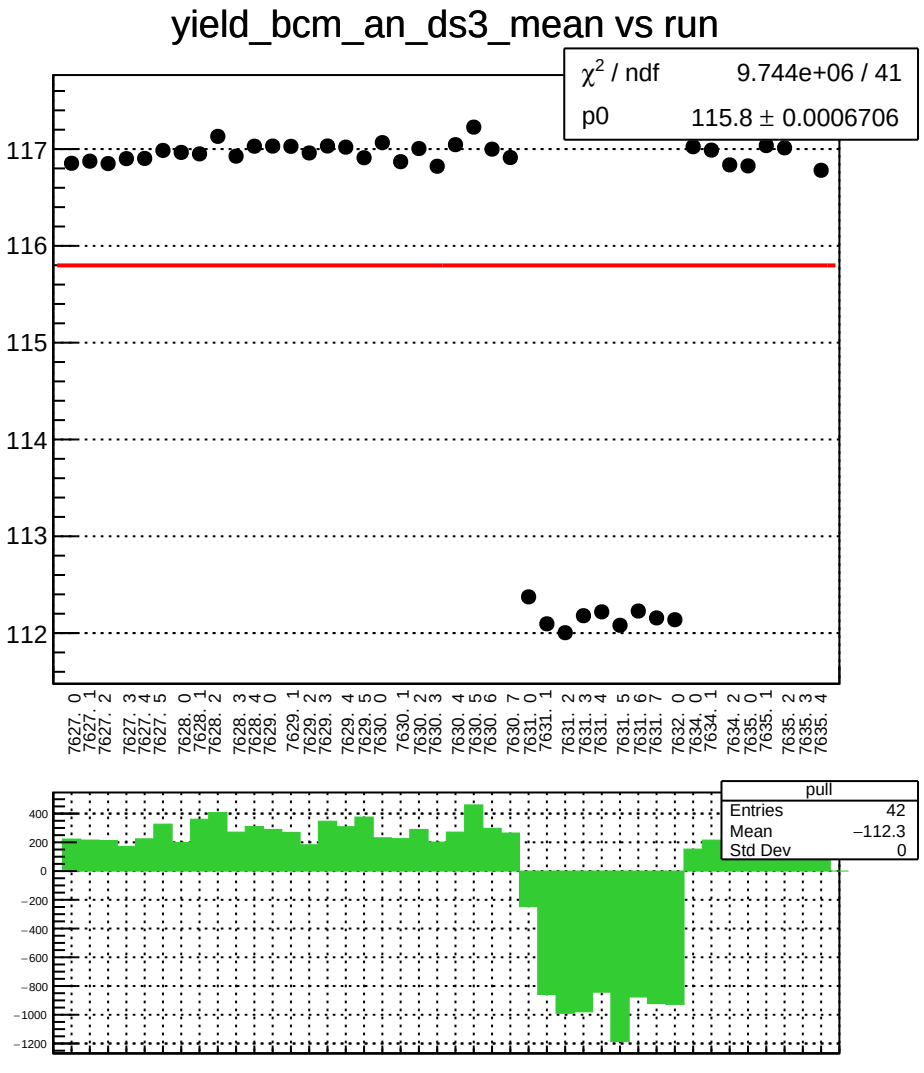

pull1D
Entries 42
Mean 2.784
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

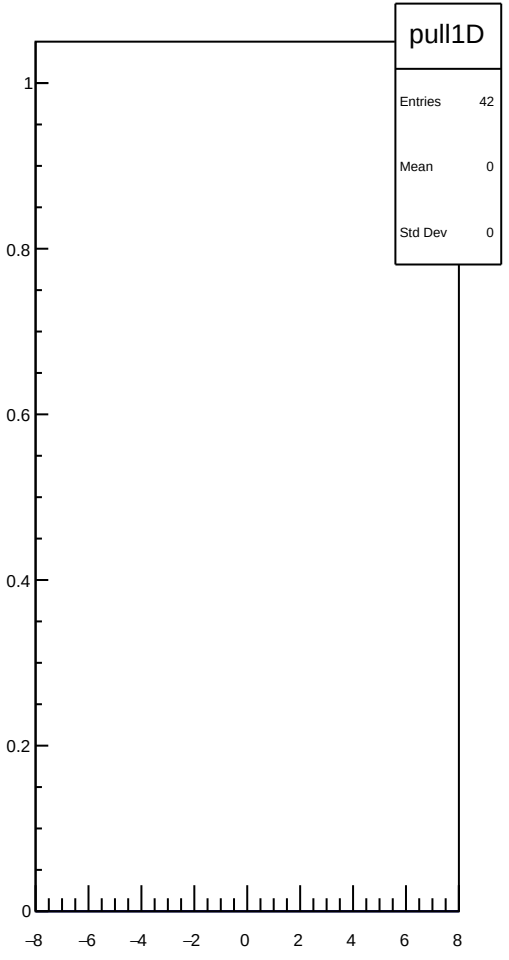

yield_bcm_an_diff_rms vs run
χ² / ndf 4.788e+04 / 41
p0 4828 ± 5.467
11000
10000
9000
8000
7000
6000
5000
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

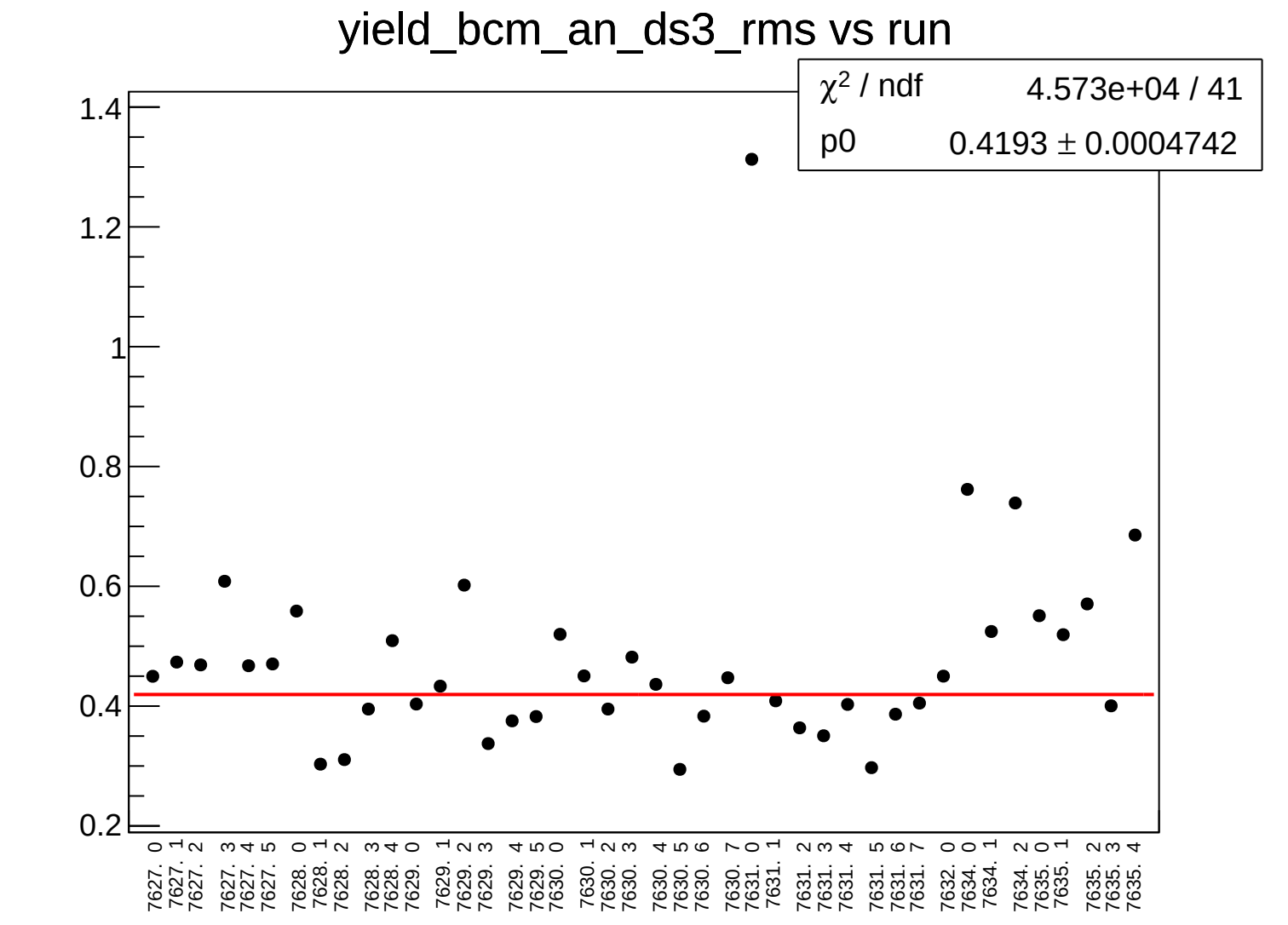

yield_bcm_an_ds_mean vs run
χ² / ndf 9.694e+06 / 41
p0 115.8 ± 0.0006615
117
116
115
114
113
112
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −115.8
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200

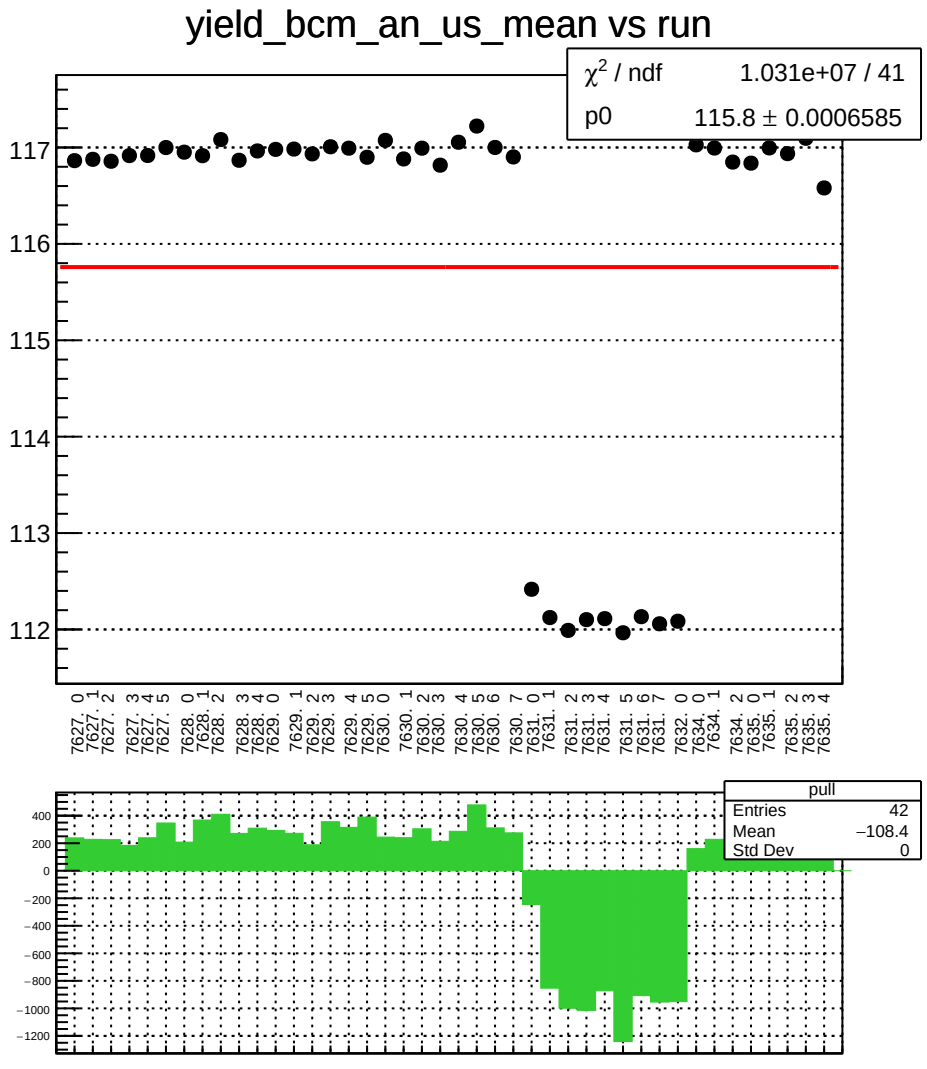

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

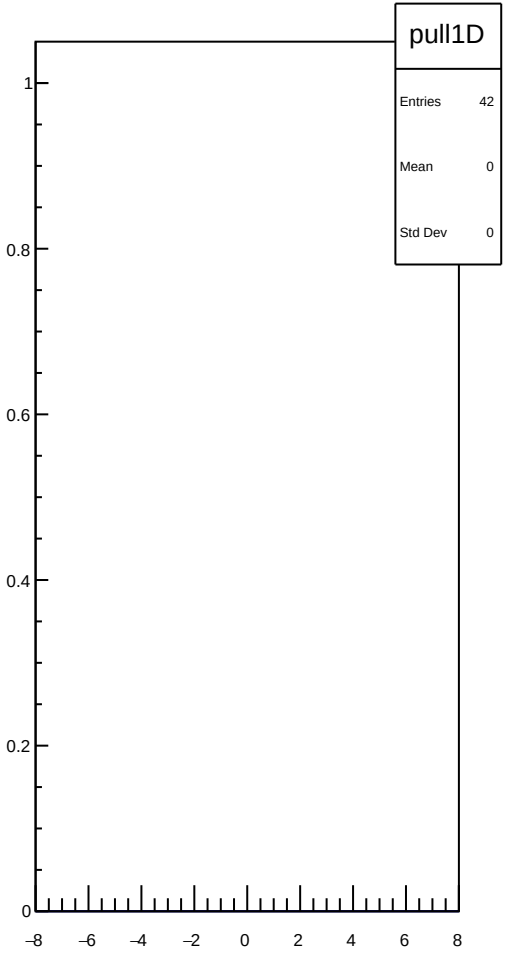

yield_bcm_an_ds_rms vs run
χ² / ndf 4.543e+04 / 41
p0 0.4137 ± 0.0004677
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

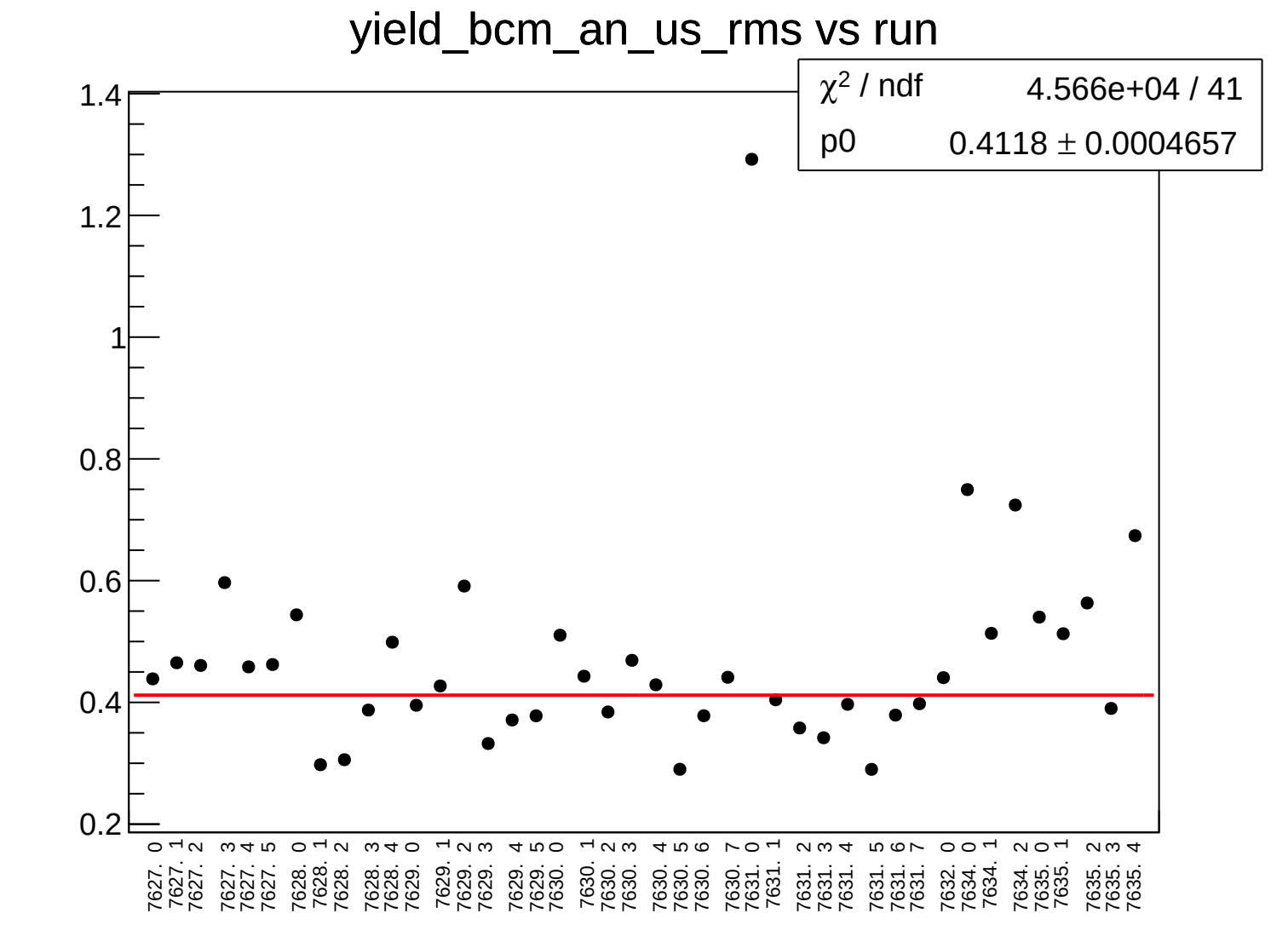

yield_bcm_an_ds3_mean vs run
χ² / ndf 9.744e+06 / 41
p0 115.8 ± 0.0006706
117
116
115
114
113
112
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −112.3
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200

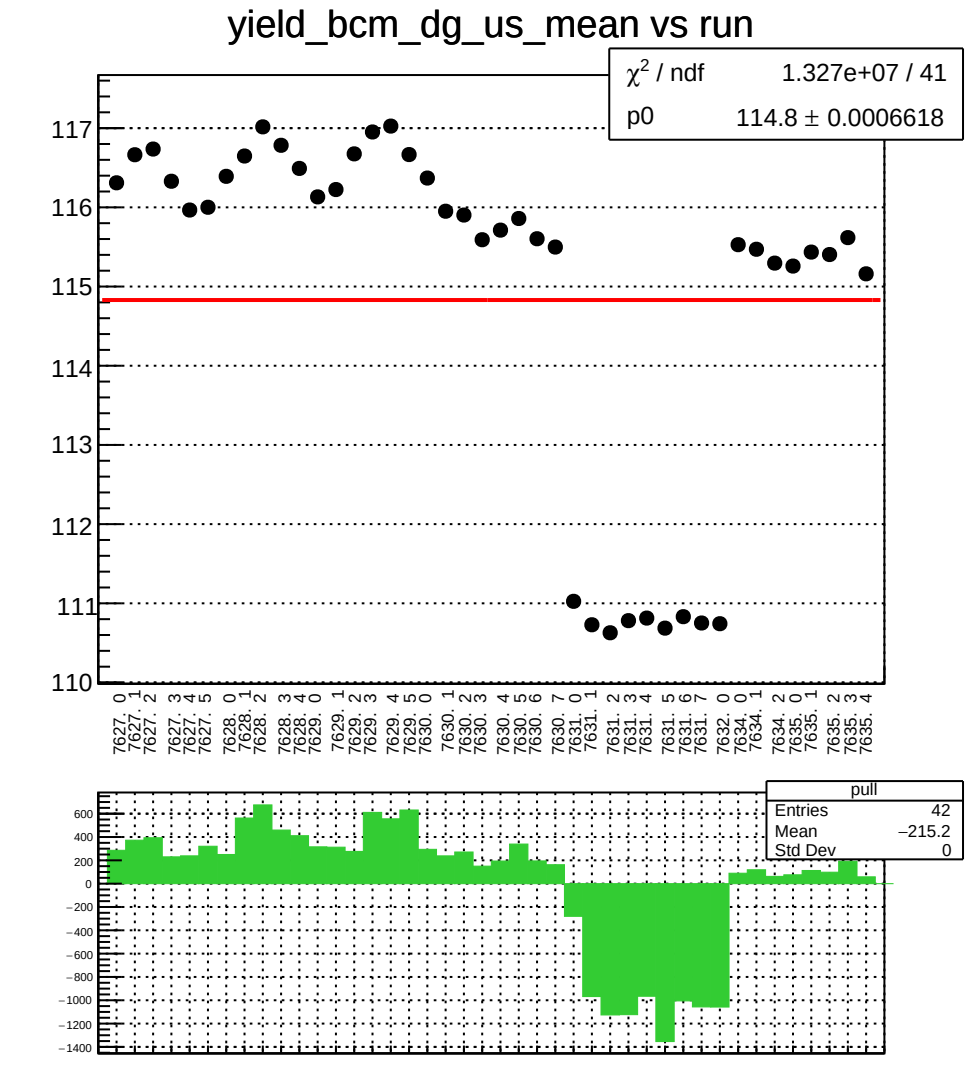

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

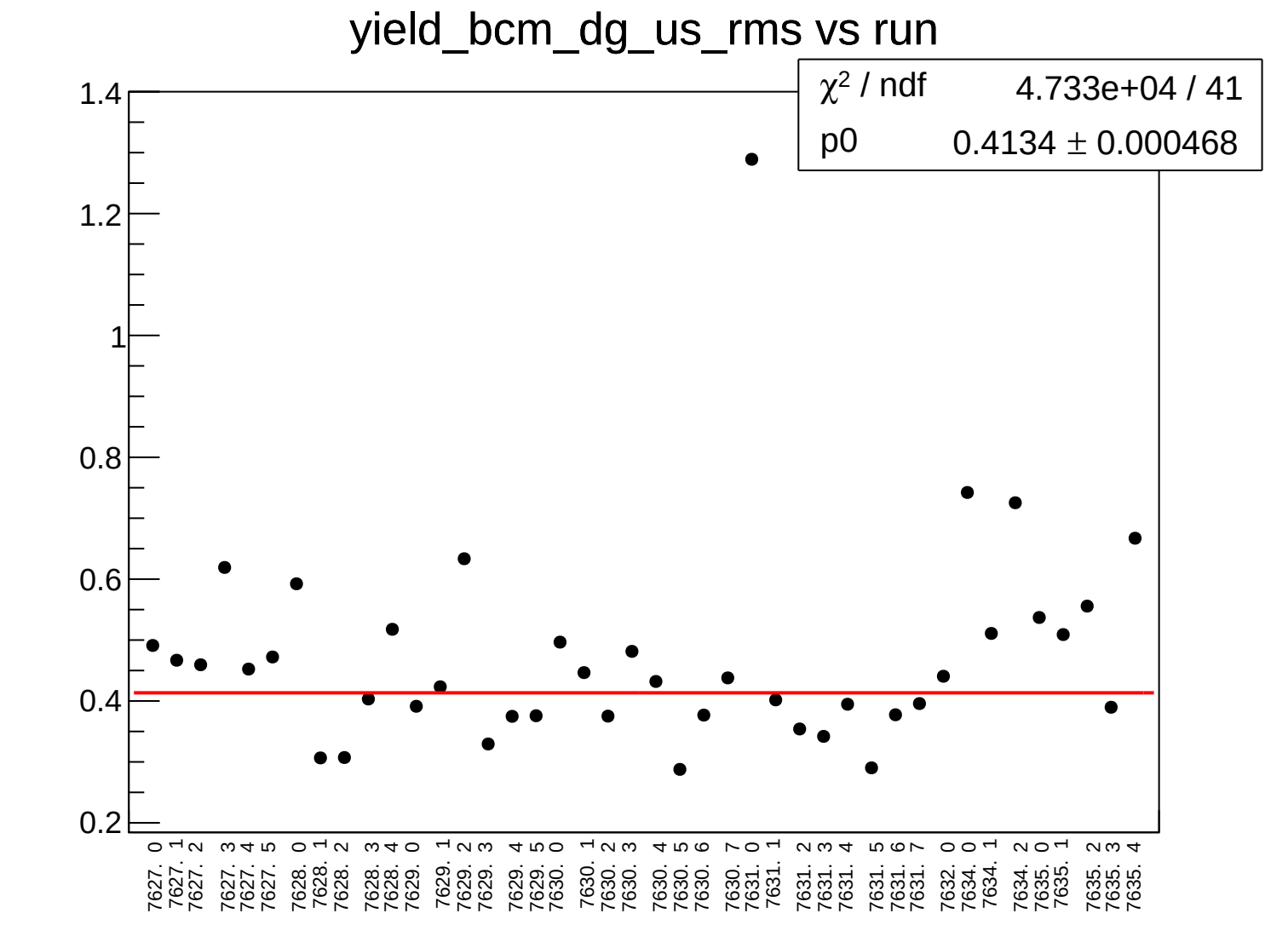

yield_bcm_an_ds3_rms vs run
χ² / ndf 4.573e+04 / 41
p0 0.4193 ± 0.0004742
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


yield_bcm_an_us_mean vs run
χ² / ndf 1.031e+07 / 41
p0 115.8 ± 0.0006585
117
116
115
114
113
112
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −108.4
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200


pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_an_us_rms vs run
χ² / ndf 4.566e+04 / 41
p0 0.4118 ± 0.0004657
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


yield_bcm_dg_us_mean vs run
χ² / ndf 1.327e+07 / 41
p0 114.8 ± 0.0006618
117
116
115
114
113
112
111
110
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −215.2
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 42
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_us_rms vs run
χ² / ndf 4.733e+04 / 41
p0 0.4134 ± 0.000468
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
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7634. 1
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7635. 0
7635. 1
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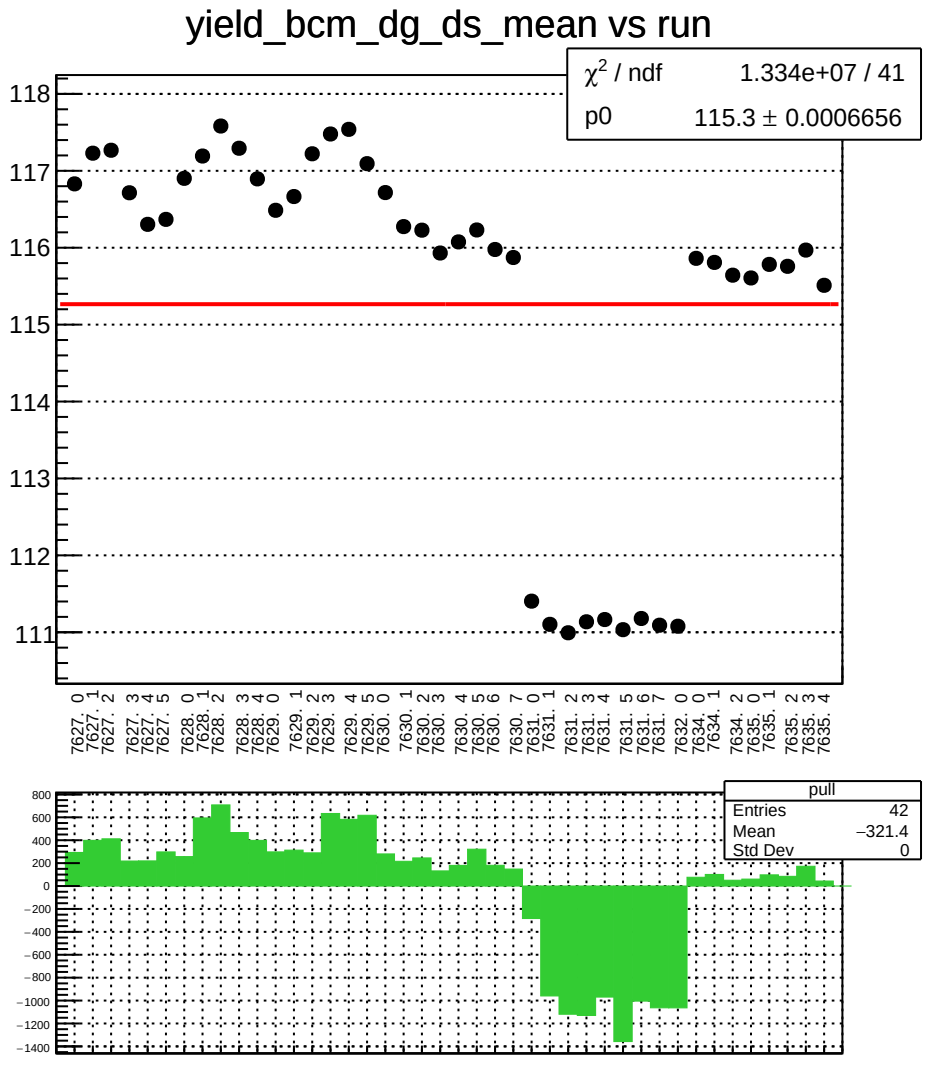
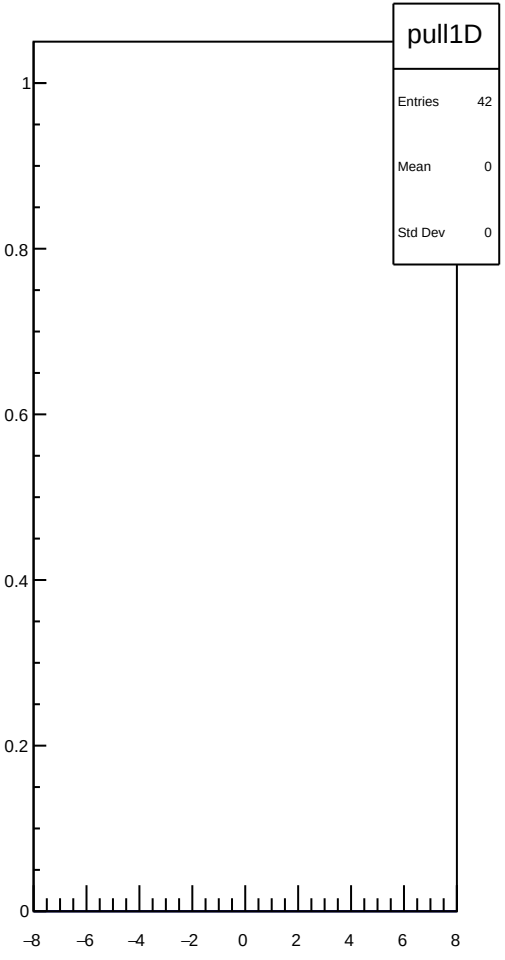
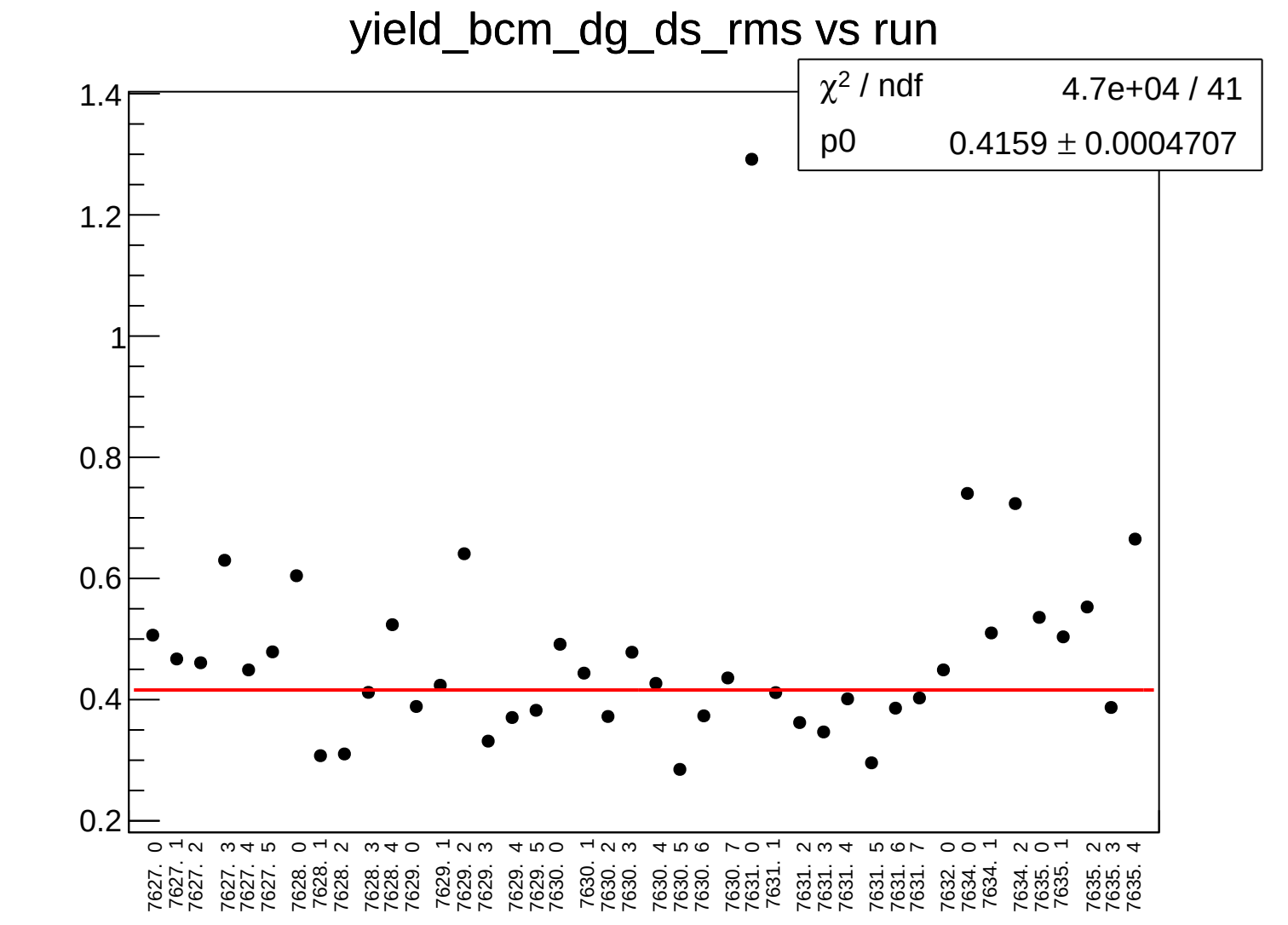
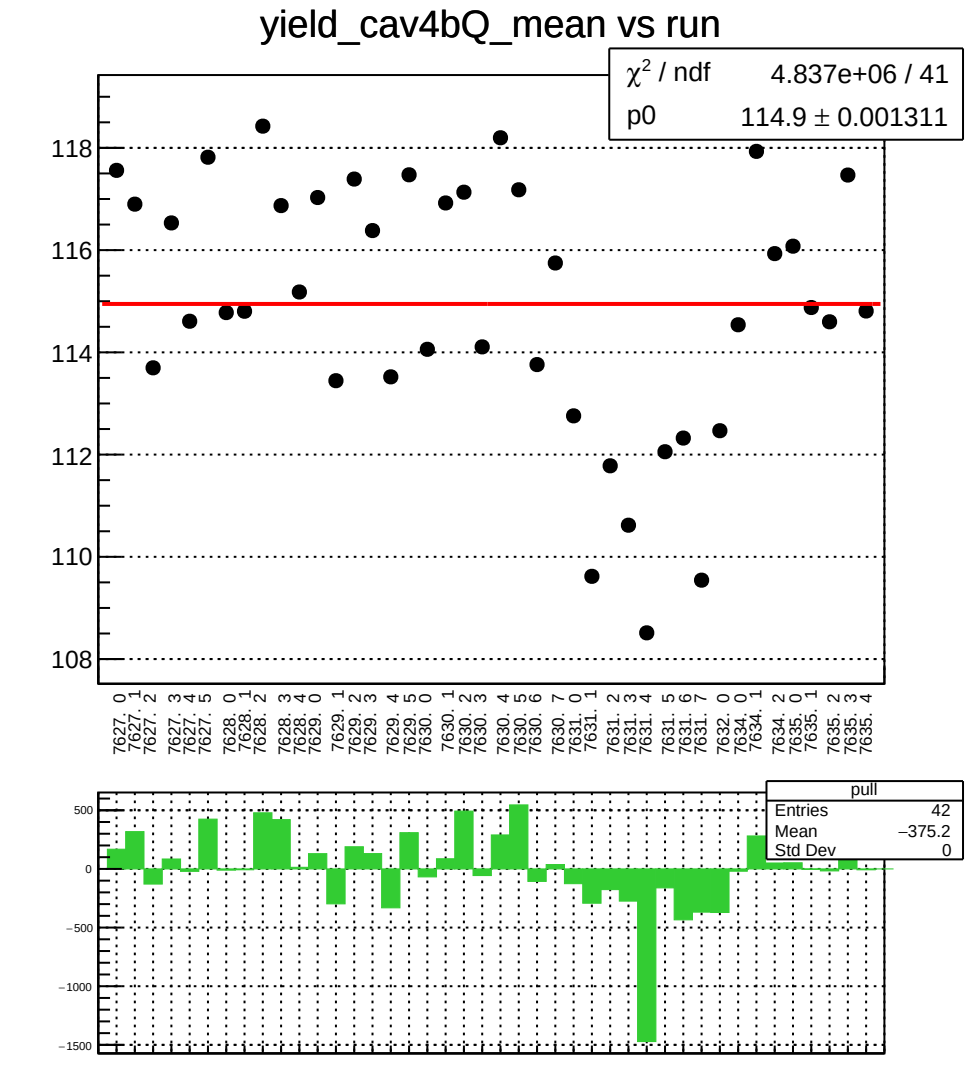
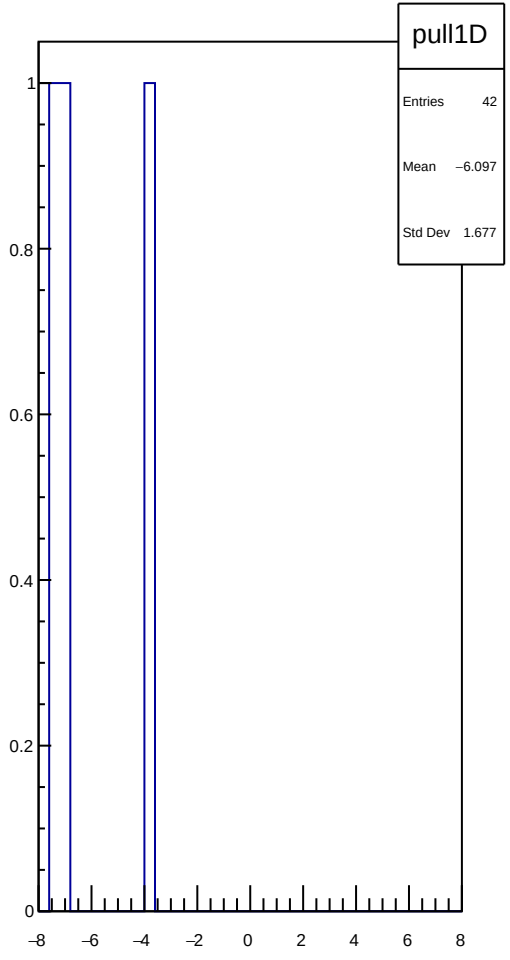
7635. 3
7635. 4

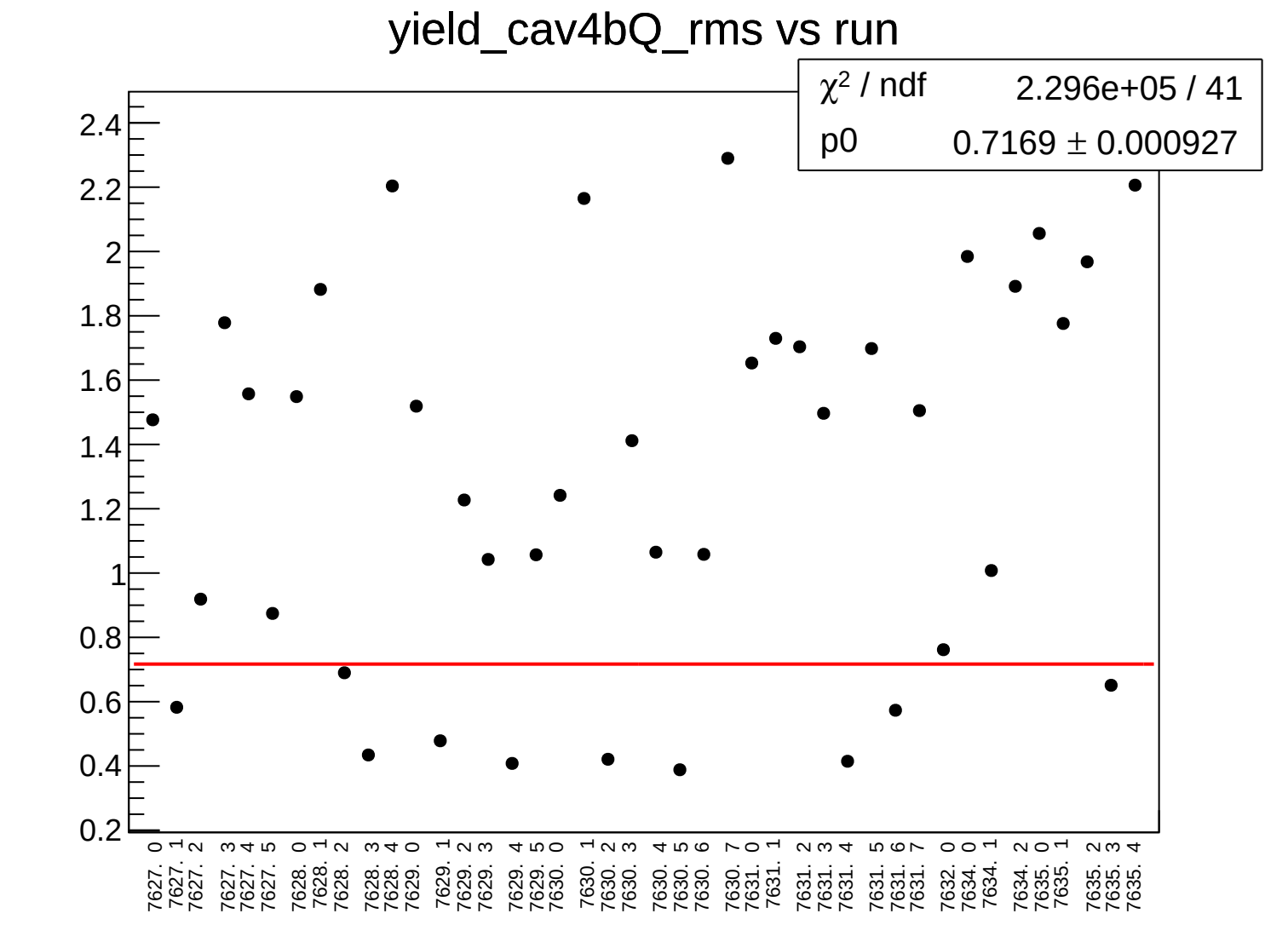

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.334e+07 / 41
p0 115.3 ± 0.0006656
118
117
116
115
114
113
112
111
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −321.4
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

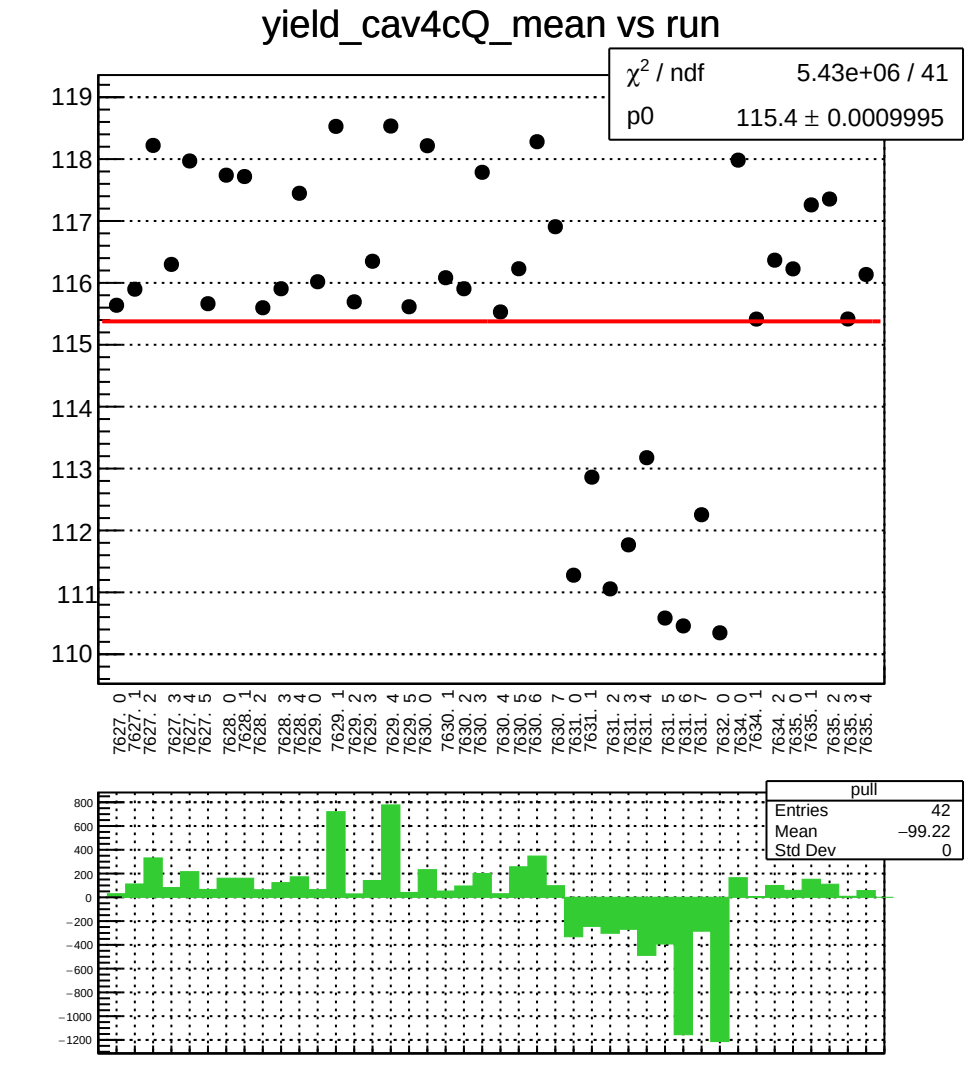

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

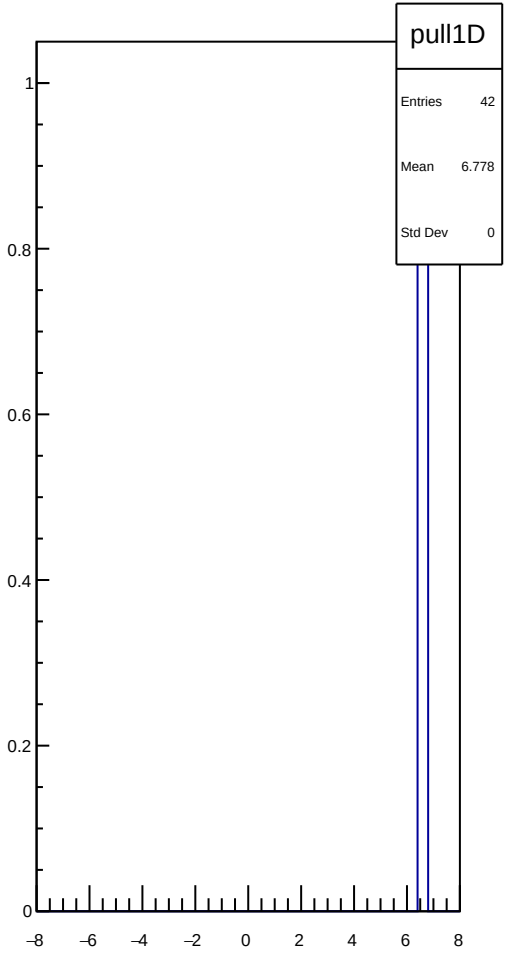

yield_bcm_dg_ds_rms vs run
χ² / ndf 4.7e+04 / 41
p0 0.4159 ± 0.0004707
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

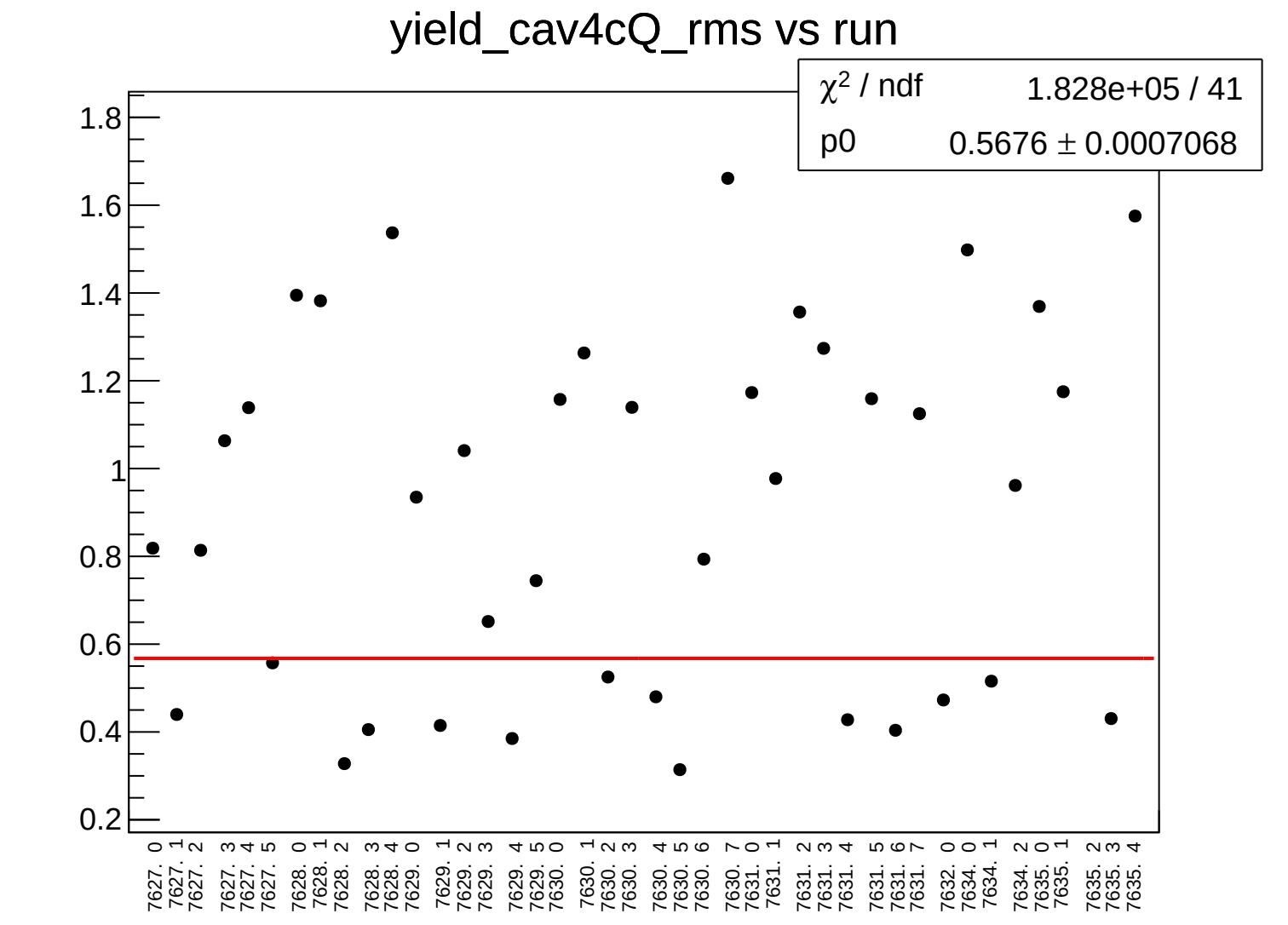

yield_cav4bQ_mean vs run
χ² / ndf 4.837e+06 / 41
p0 114.9 ± 0.001311
118
116
114
112
110
108
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −375.2
Std Dev 0
500
0
−500
−1000
−1500

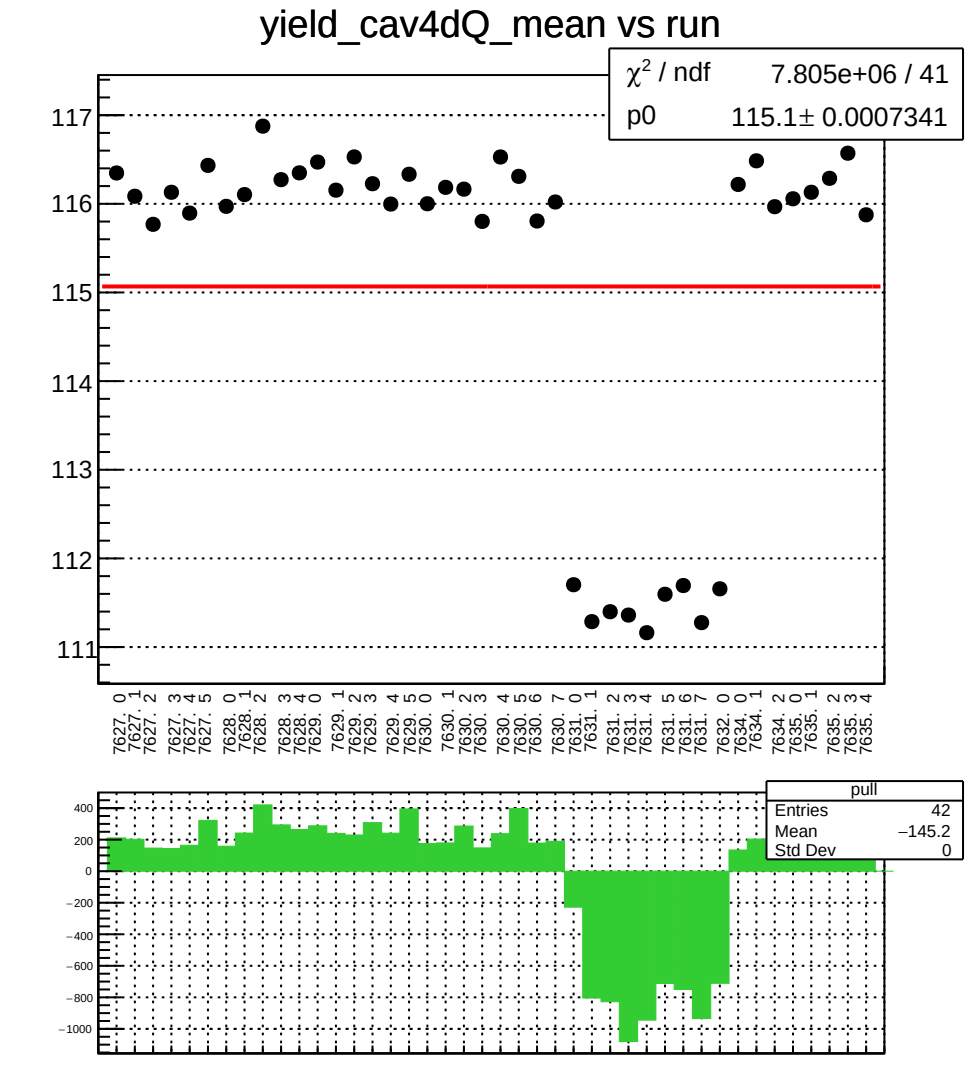

pull1D
Entries 42
Mean −6.097
Std Dev 1.677
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

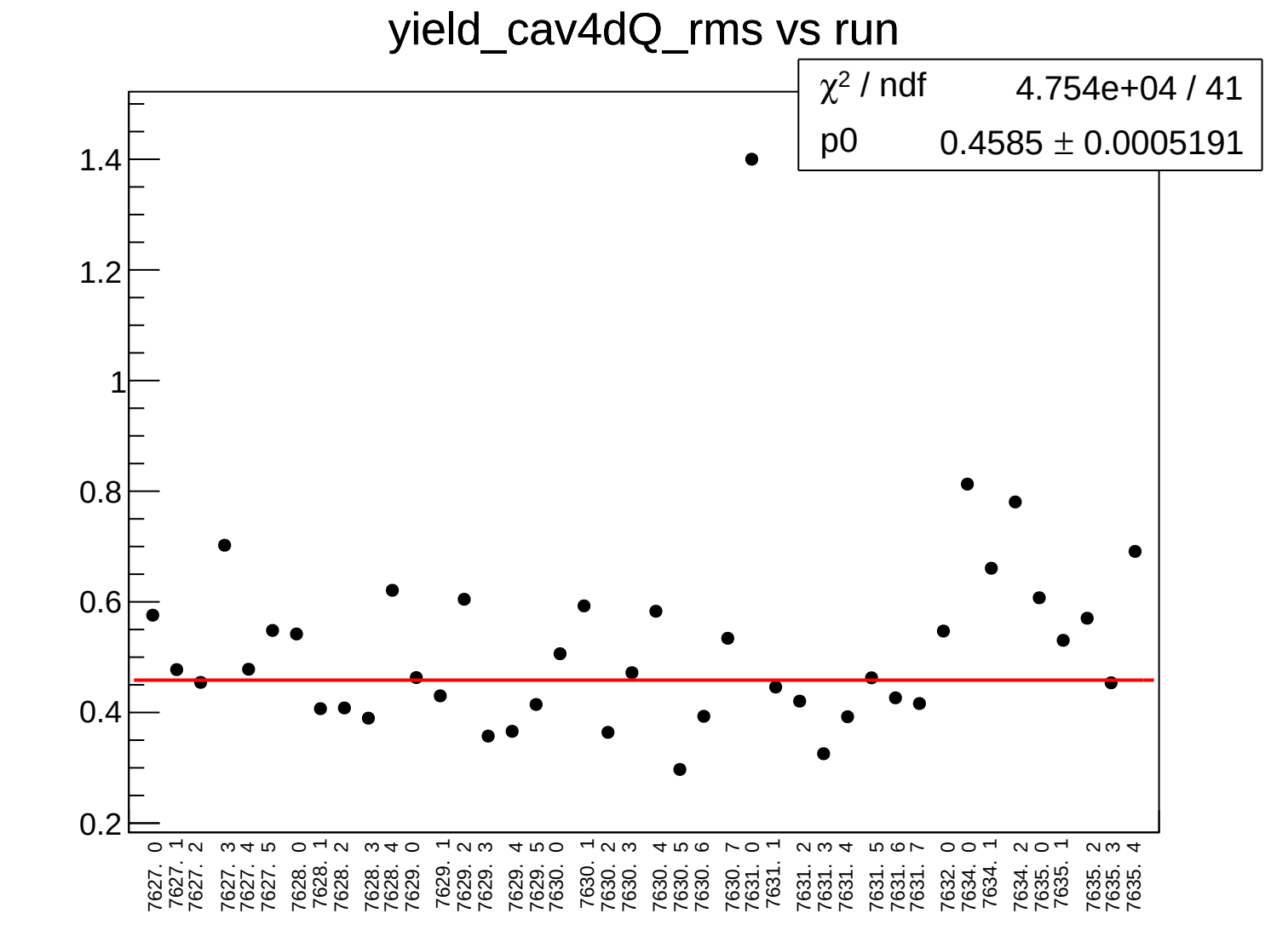

yield_cav4bQ_rms vs run
χ² / ndf 2.296e+05 / 41
p0 0.7169 ± 0.000927
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

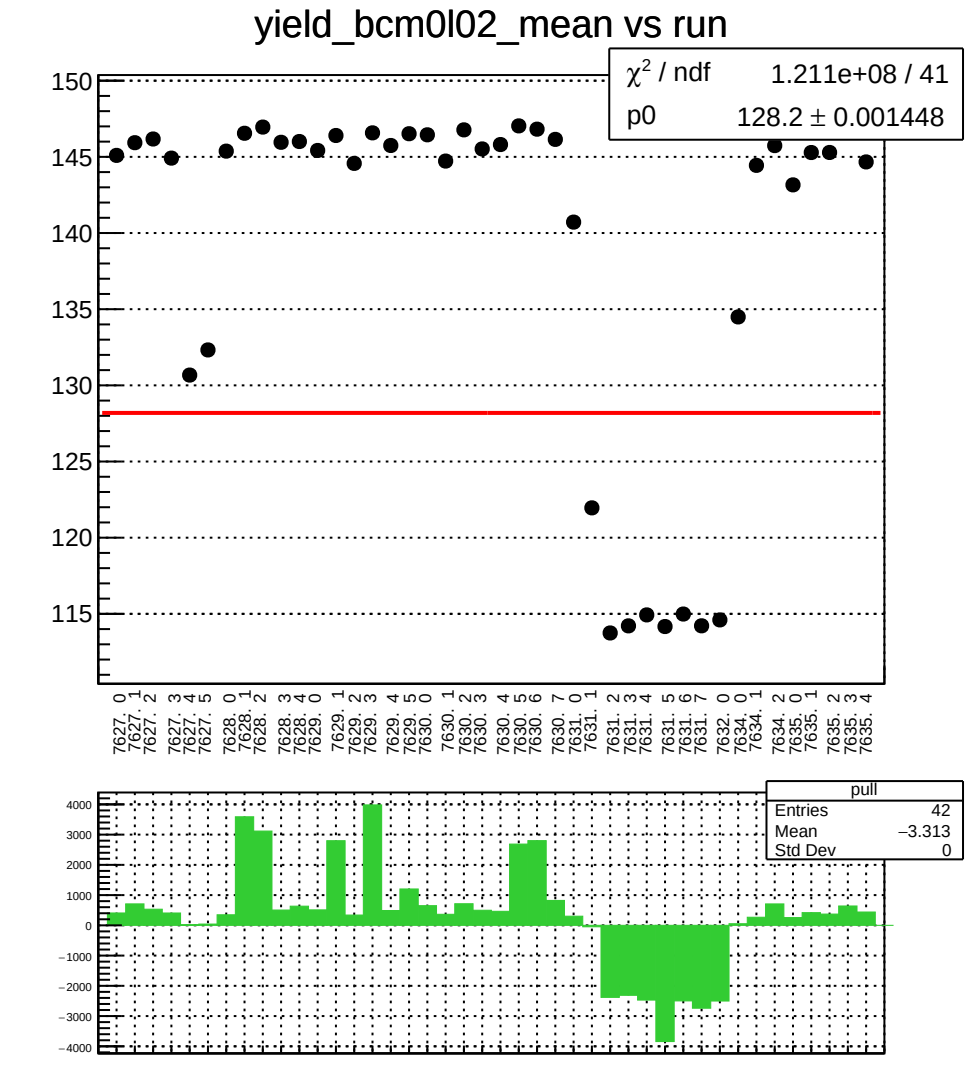

yield_cav4cQ_mean vs run
χ² / ndf 5.43e+06 / 41
p0 115.4 ± 0.0009995
pull
Entries 42
Mean −99.22
Std Dev 0

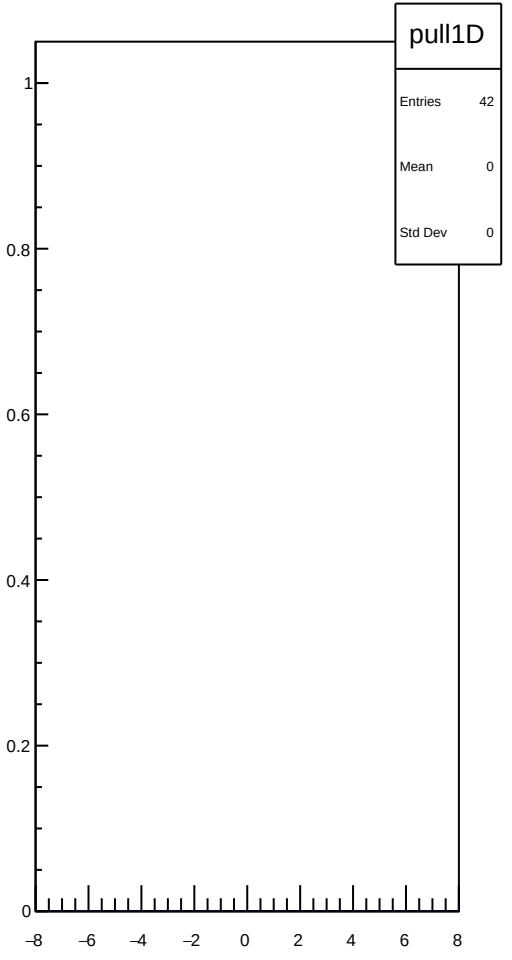

pull1D
Entries 42
Mean 6.778
Std Dev 0

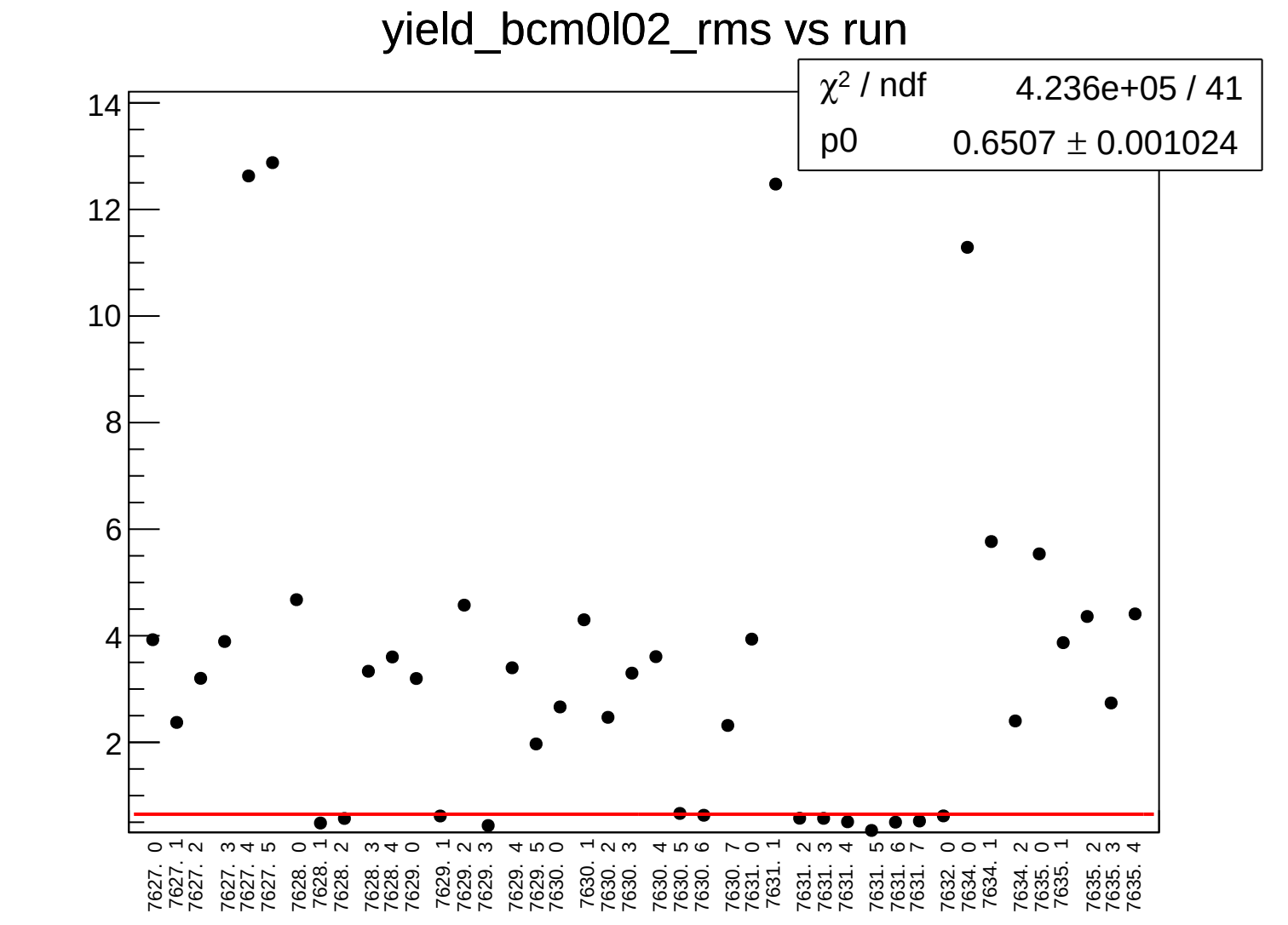

yield_cav4cQ_rms vs run
χ² / ndf 1.828e+05 / 41
p0 0.5676 ± 0.0007068
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

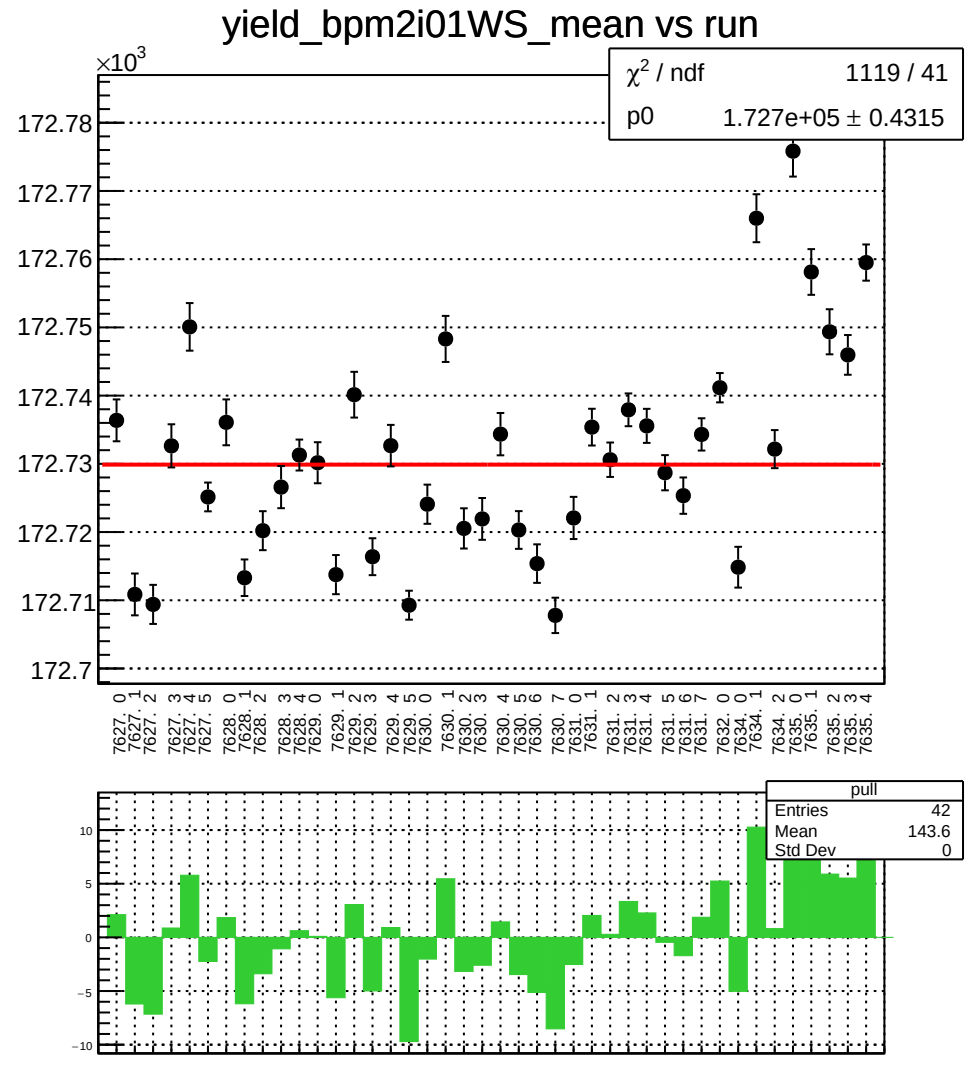

yield_cav4dQ_mean vs run
χ² / ndf 7.805e+06 / 41
p0 115.1± 0.0007341
117
116
115
114
113
112
111
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −145.2
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

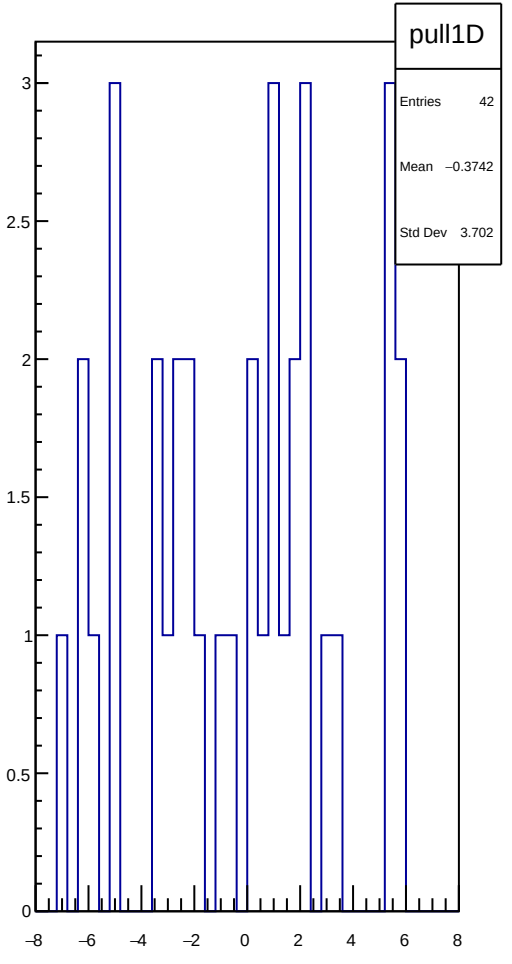

yield_cav4dQ_rms vs run
χ² / ndf 4.754e+04 / 41
p0 0.4585 ± 0.0005191
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

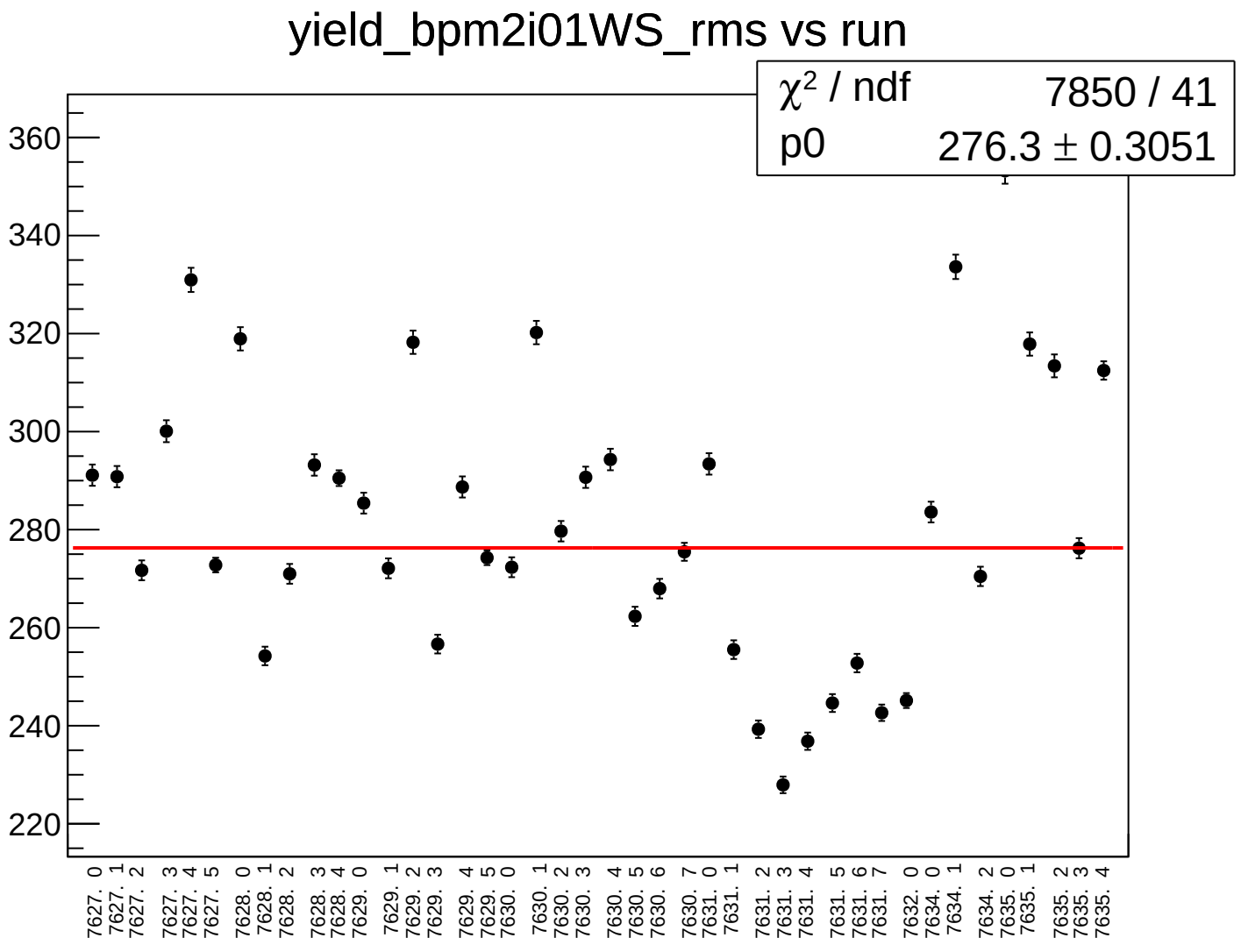

yield_bcm0l02_mean vs run
χ² / ndf 1.211e+08 / 41
p0 128.2 ± 0.001448
150
145
140
135
130
125
120
115
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −3.313
Std Dev 0
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000

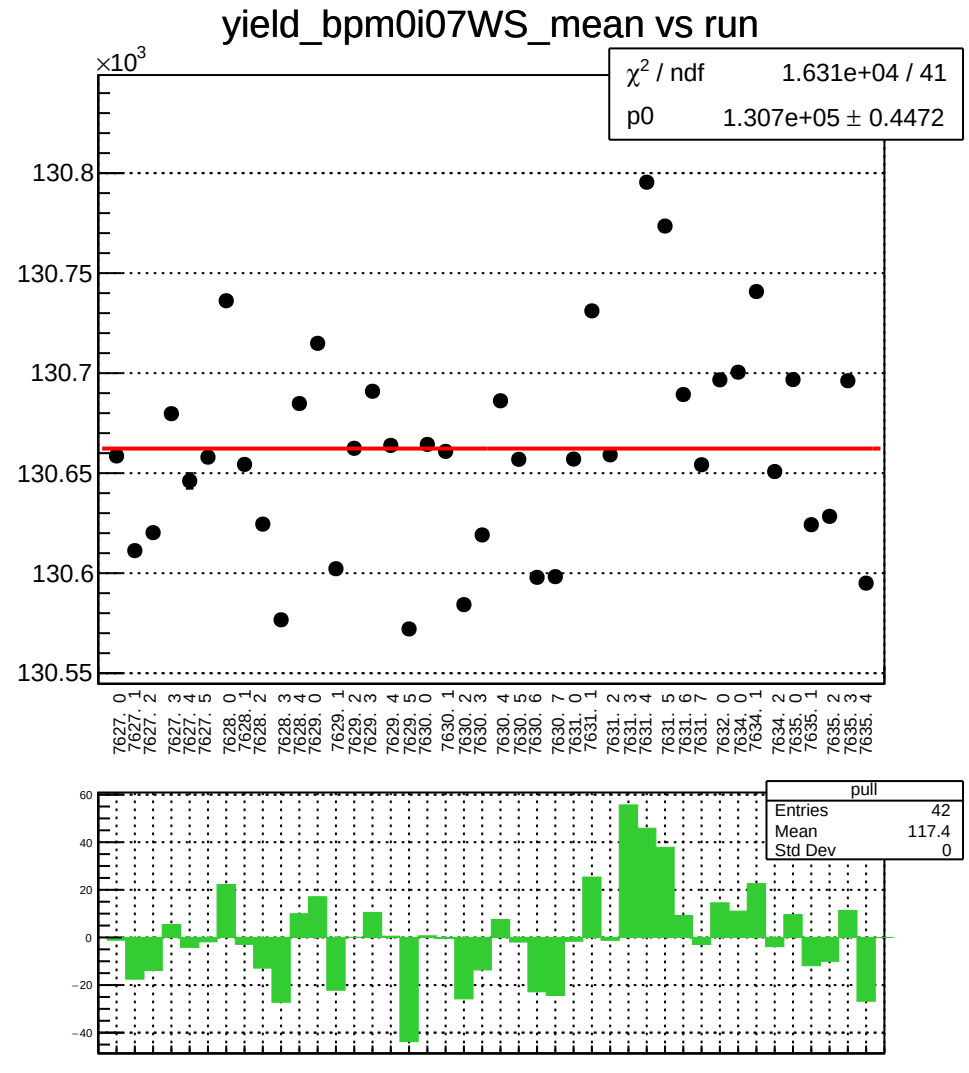

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

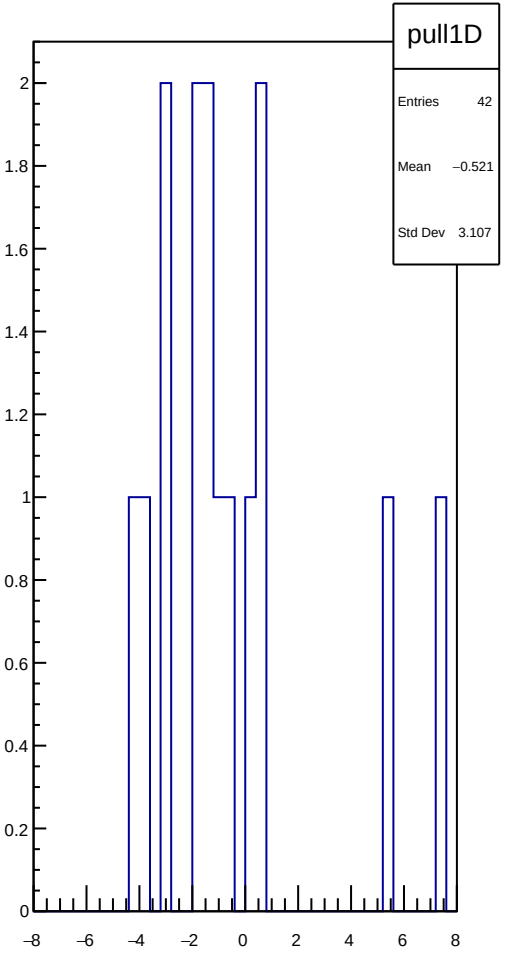

yield_bcm0l02_rms vs run
χ² / ndf 4.236e+05 / 41
p0 0.6507 ± 0.001024
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

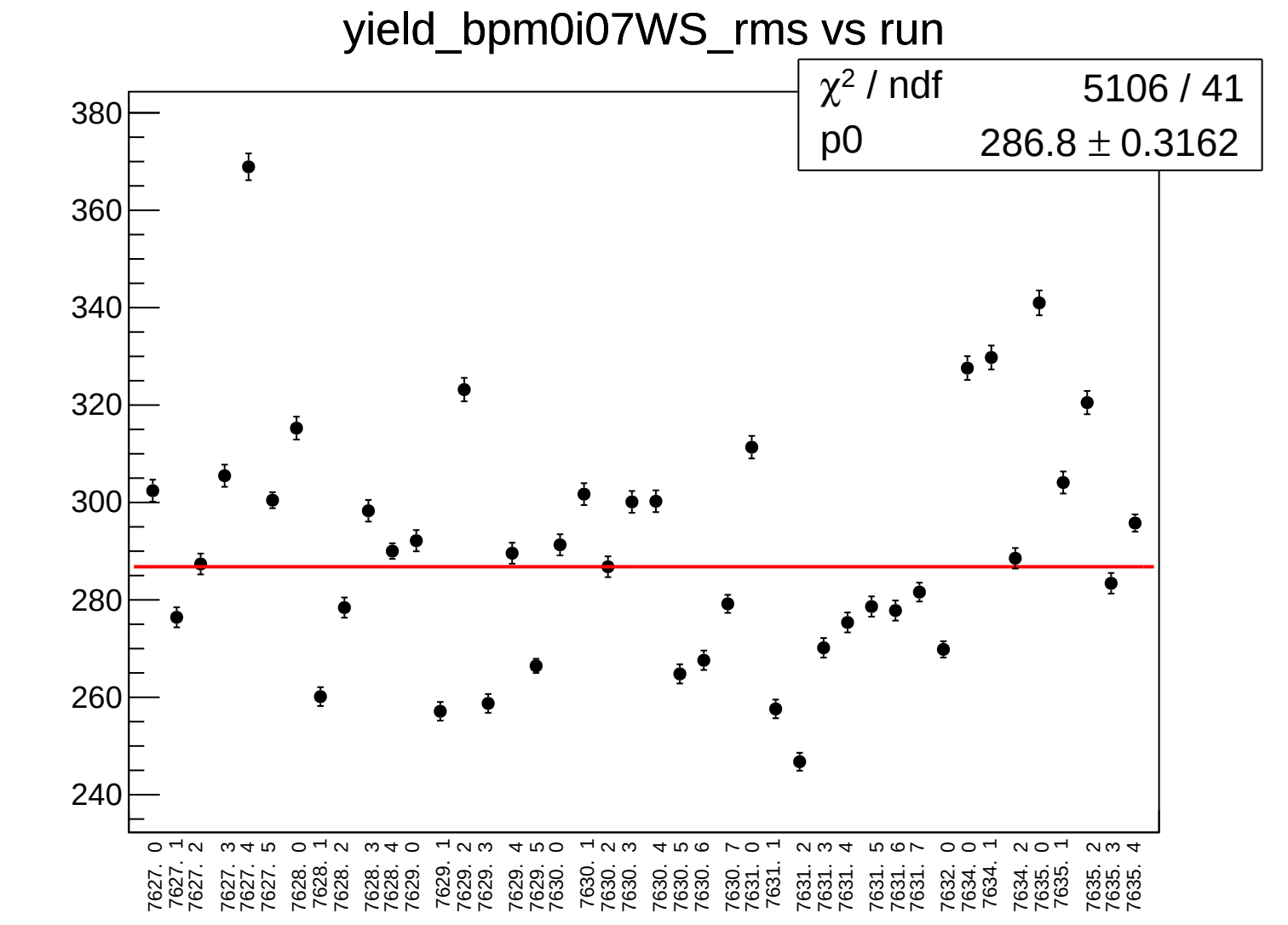

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1119 / 41
p0 1.727e+05 ± 0.4315
172.78
172.77
172.76
172.75
172.74
172.73
172.72
172.71
172.7
pull
Entries 42
Mean 143.6
Std Dev 0
10
5
0
−5
−10

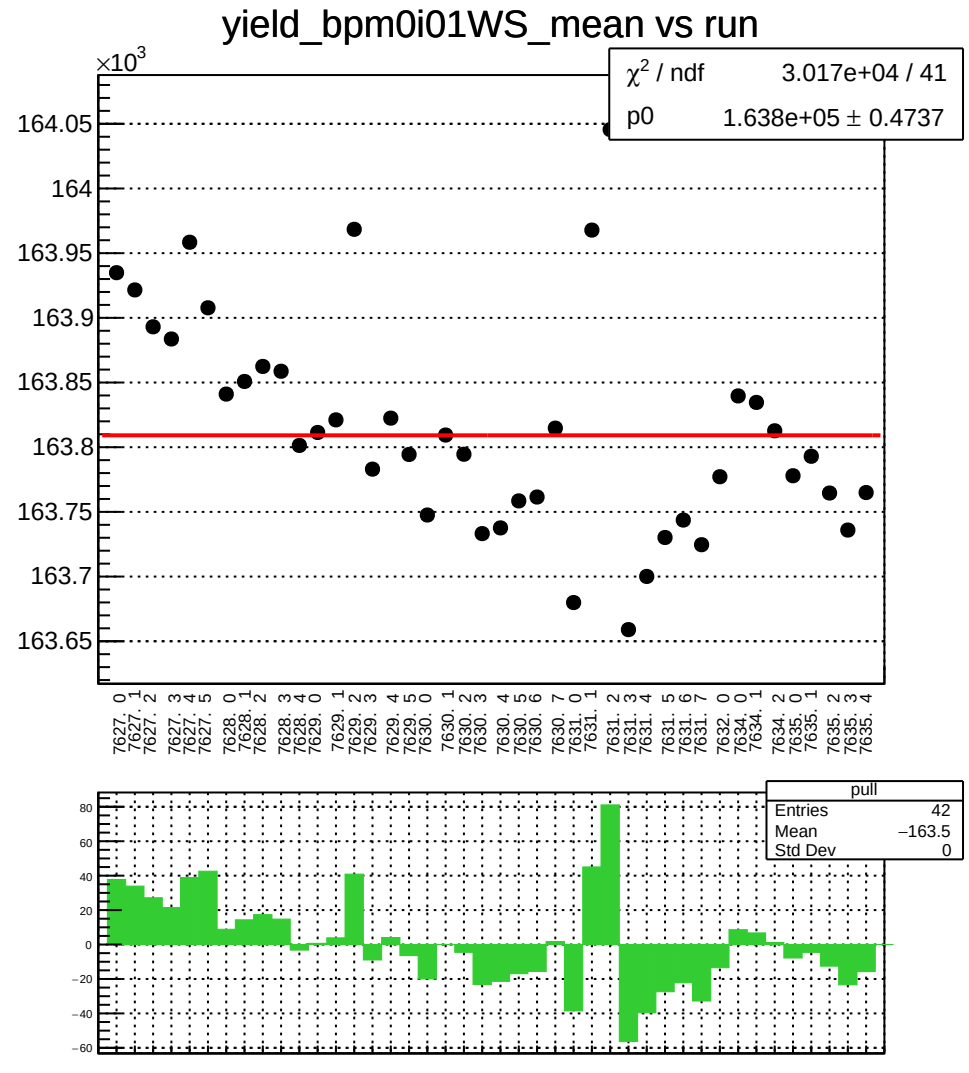

pull1D
Entries 42
Mean −0.3742
Std Dev 3.702
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

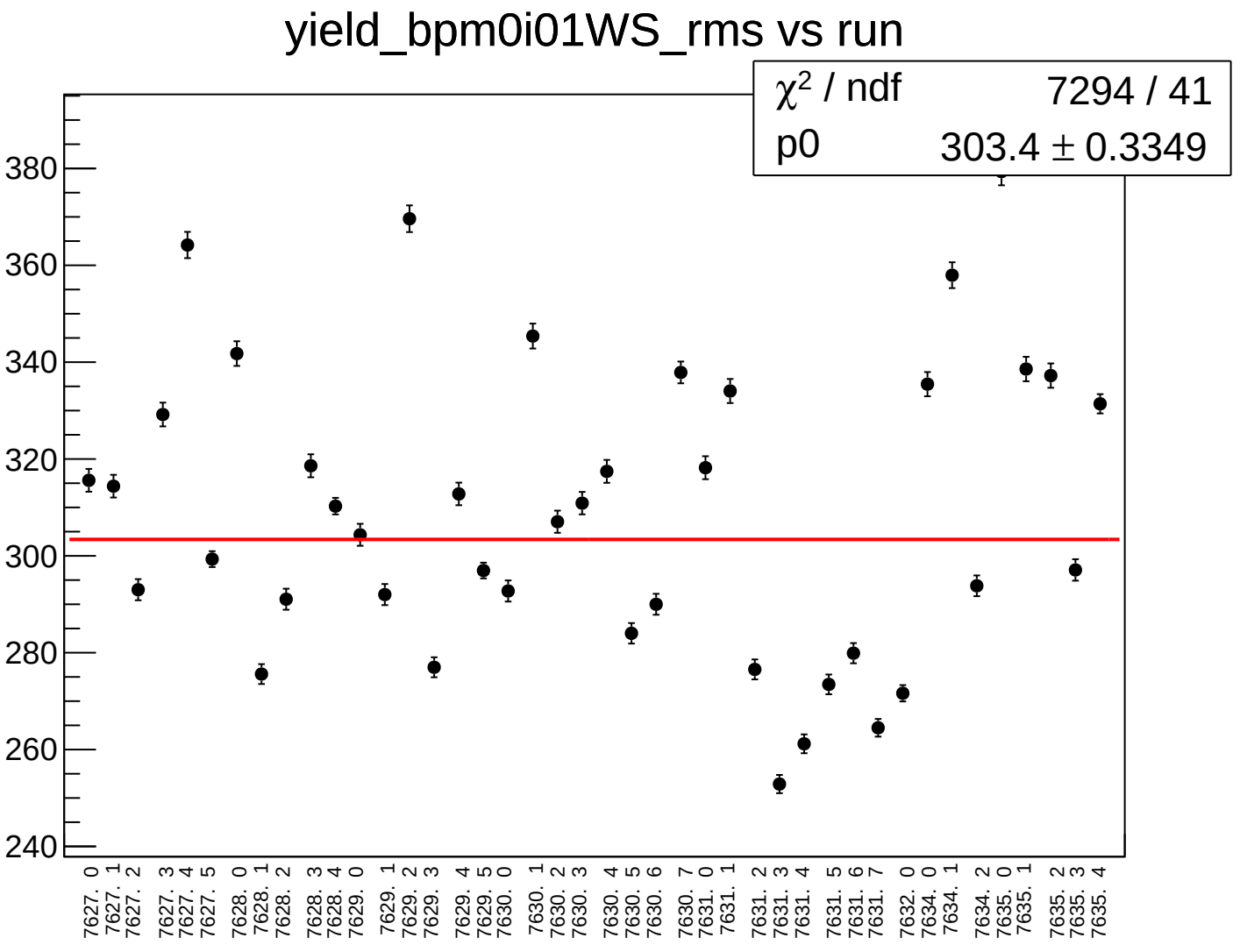

yield_bpm2i01WS_rms vs run
χ² / ndf 7850 / 41
p0 276.3 ± 0.3051
360
340
320
300
280
260
240
220
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

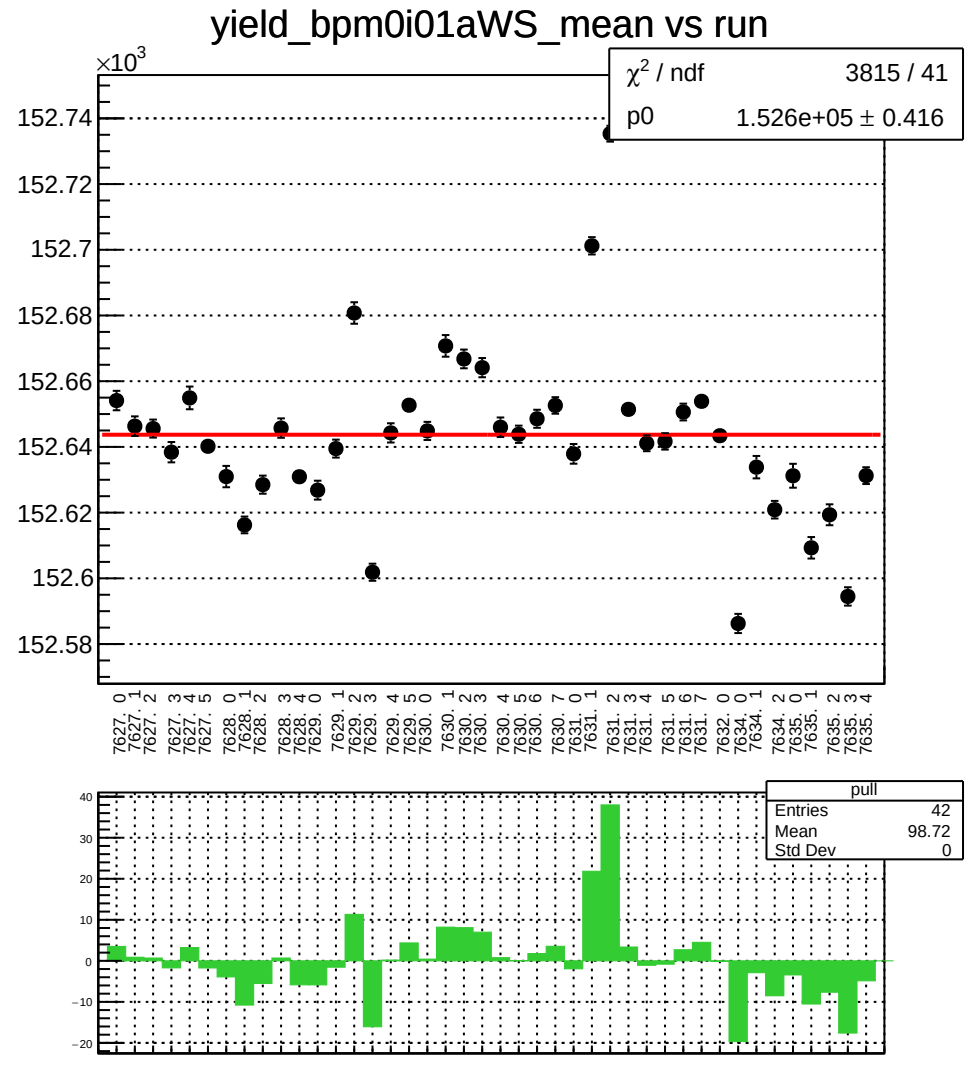

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.631e+04 / 41
p0 1.307e+05 ± 0.4472
130.8
130.75
130.7
130.65
130.6
130.55
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117.4
Std Dev 0
60
40
20
0
−20
−40

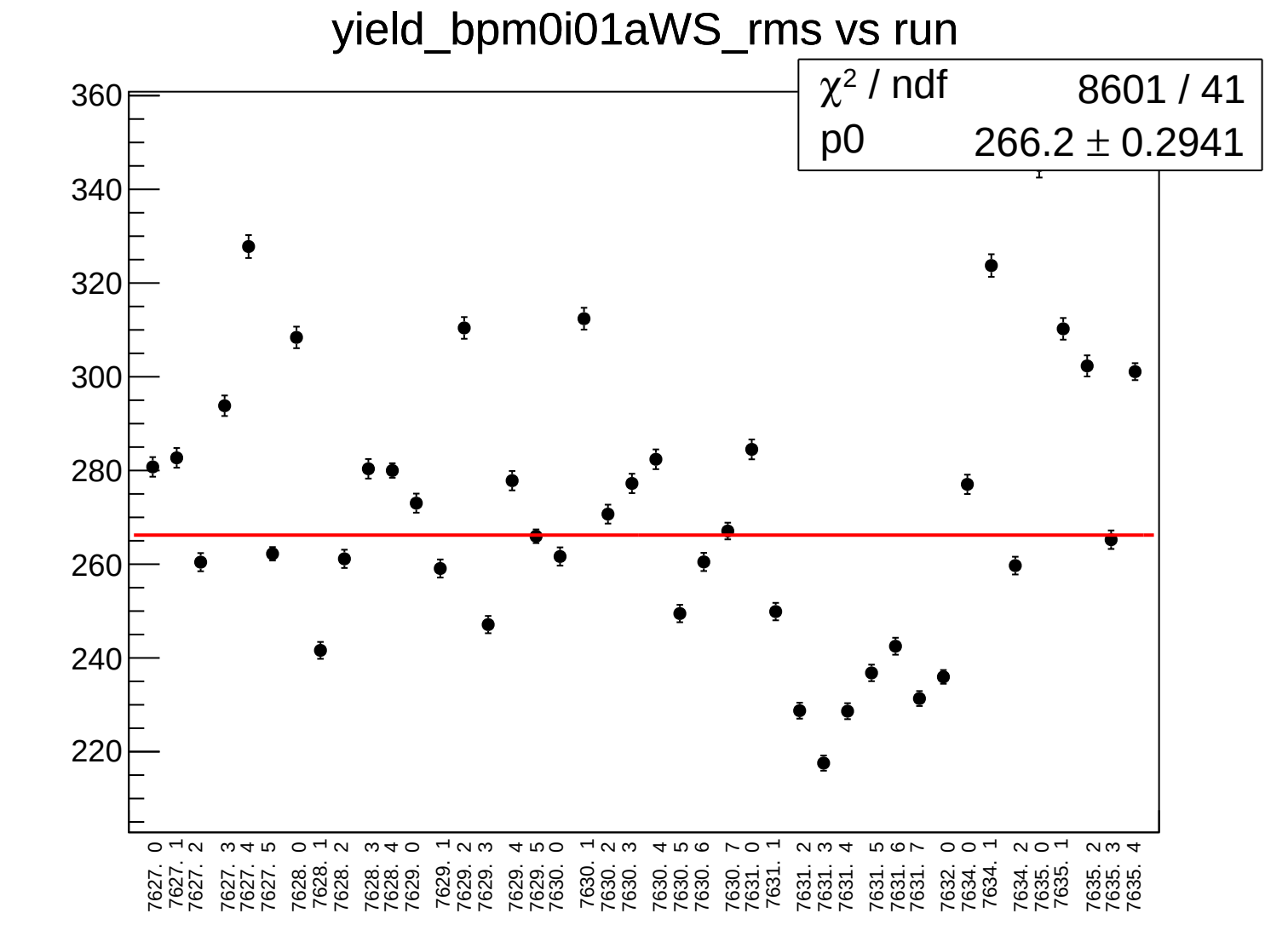

pull1D
Entries 42
Mean −0.521
Std Dev 3.107
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

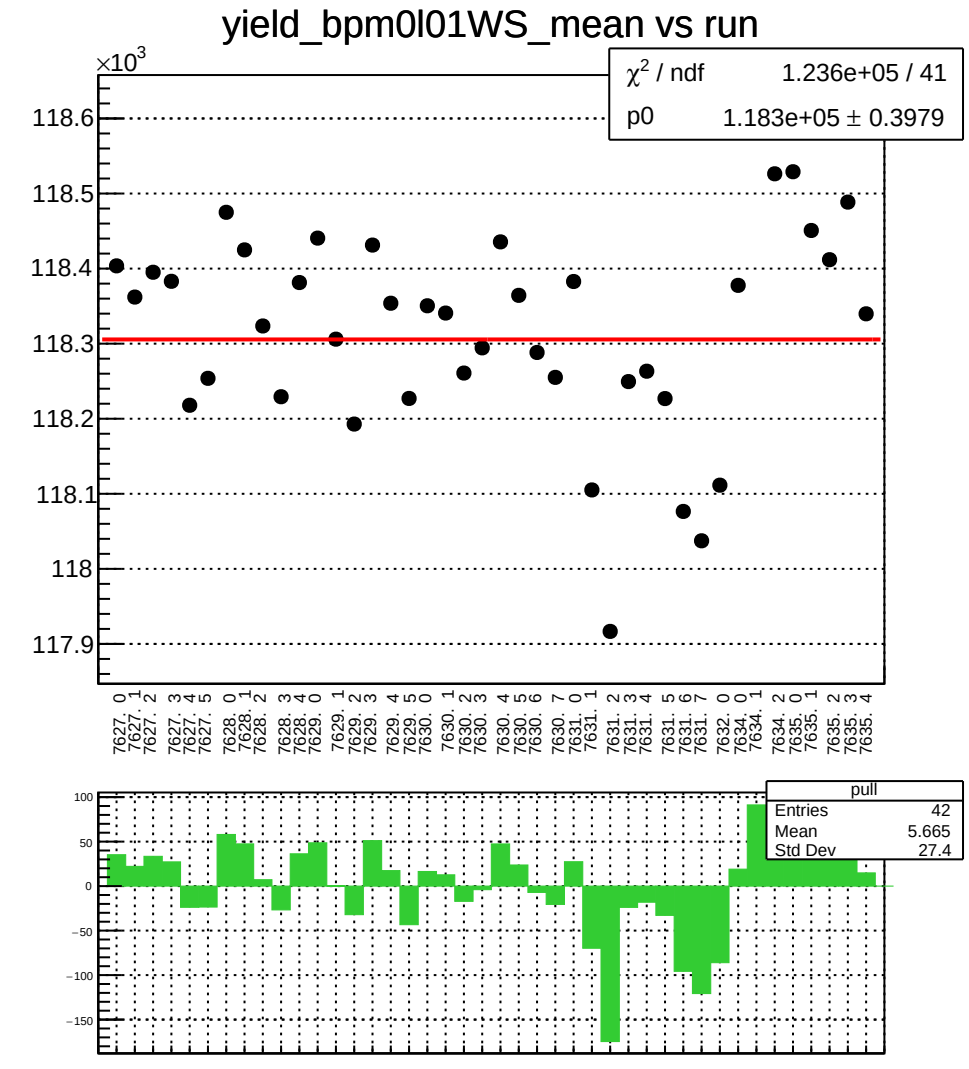

yield_bpm0i07WS_rms vs run
χ² / ndf 5106 / 41
p0 286.8 ± 0.3162
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

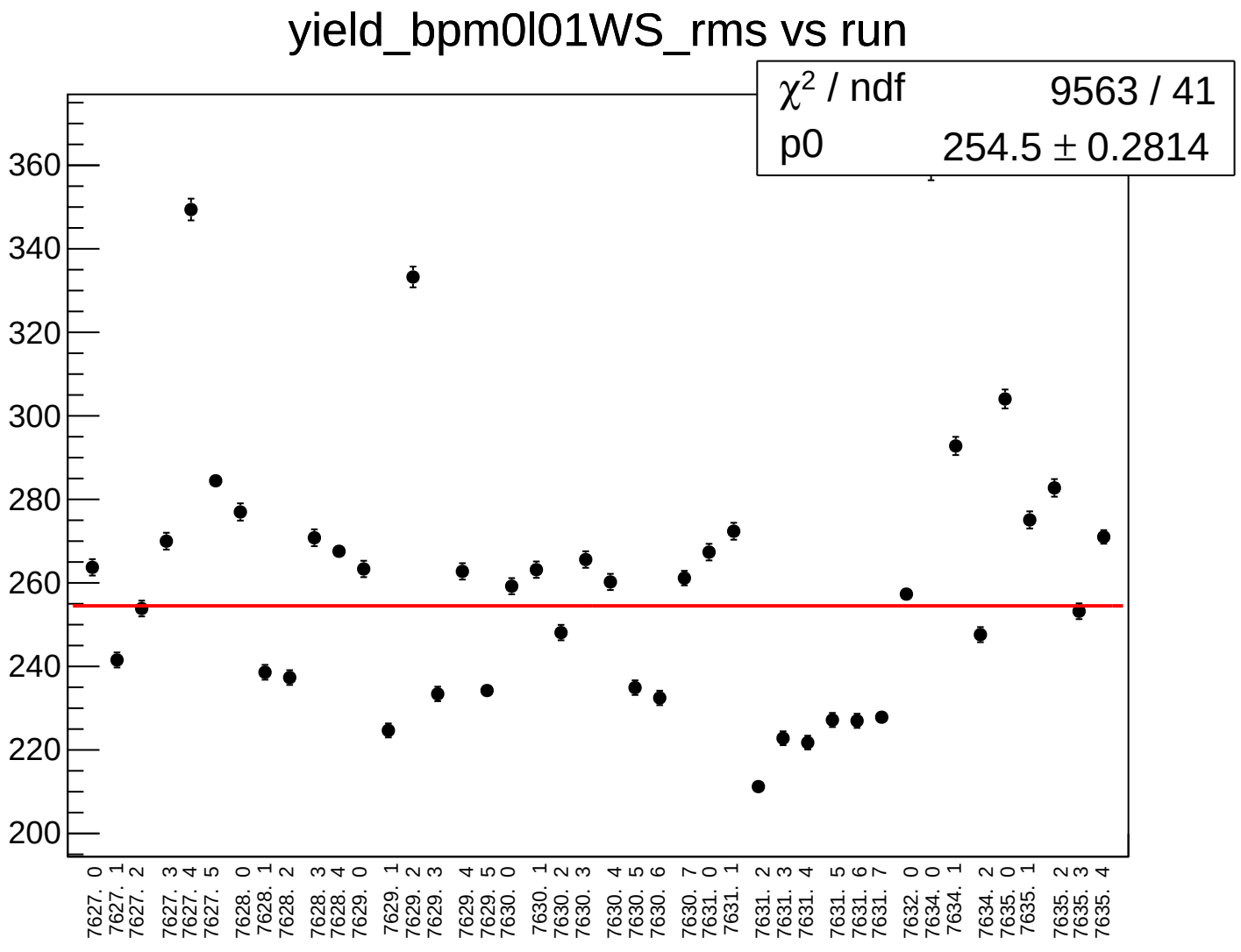

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 3.017e+04 / 41
p0 1.638e+05 ± 0.4737
164.05
164
163.95
163.9
163.85
163.8
163.75
163.7
163.65
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −163.5
Std Dev 0
80
60
40
20
0
−20
−40
−60
pull1D
Entries 42
Mean −0.685
Std Dev 4.376
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

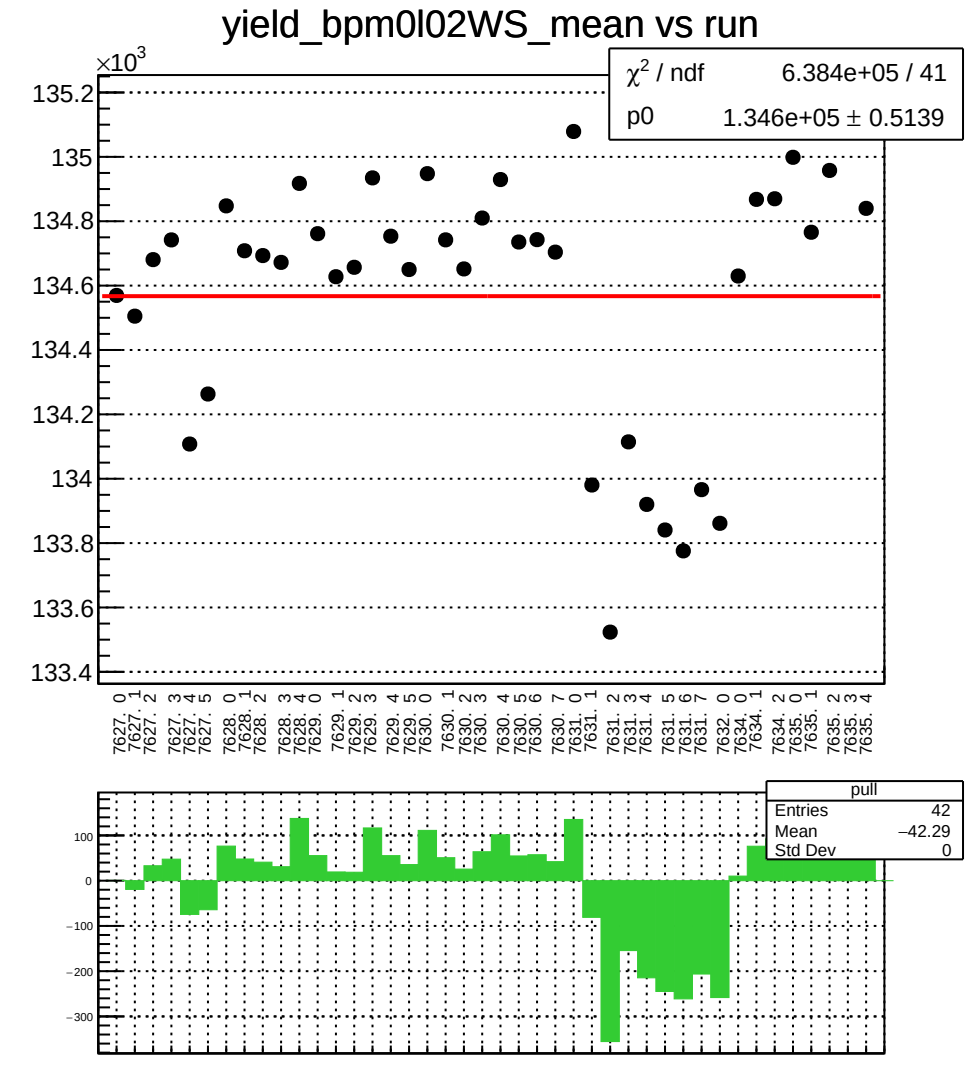

yield_bpm0i01WS_rms vs run
χ² / ndf 7294 / 41
p0 303.4 ± 0.3349
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

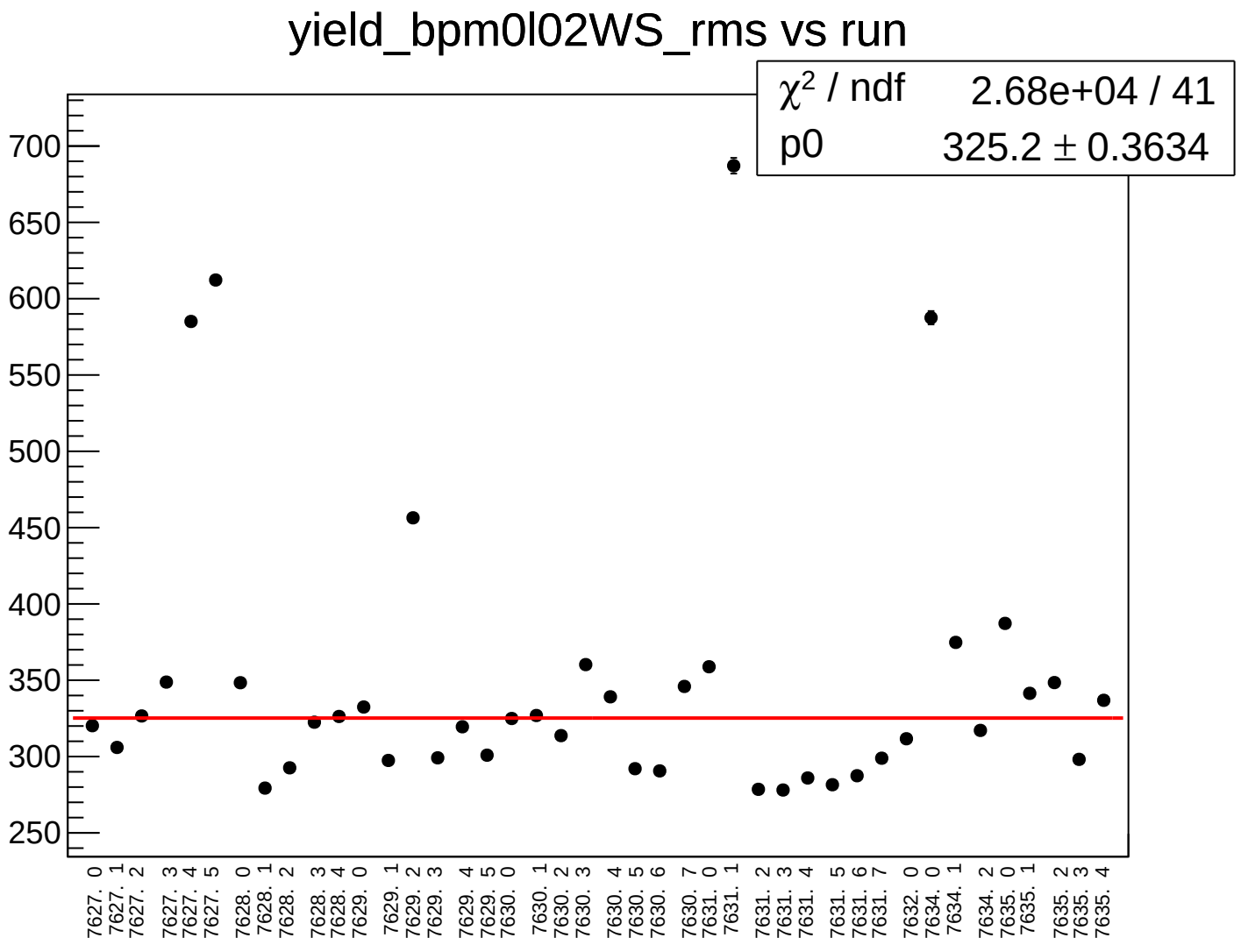

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 3815 / 41
p0 1.526e+05 ± 0.416
152.74
152.72
152.7
152.68
152.66
152.64
152.62
152.6
152.58
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 98.72
Std Dev 0
40
30
20
10
0
−10
−20
pull1D
Entries 42
Mean −0.3648
Std Dev 3.476
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

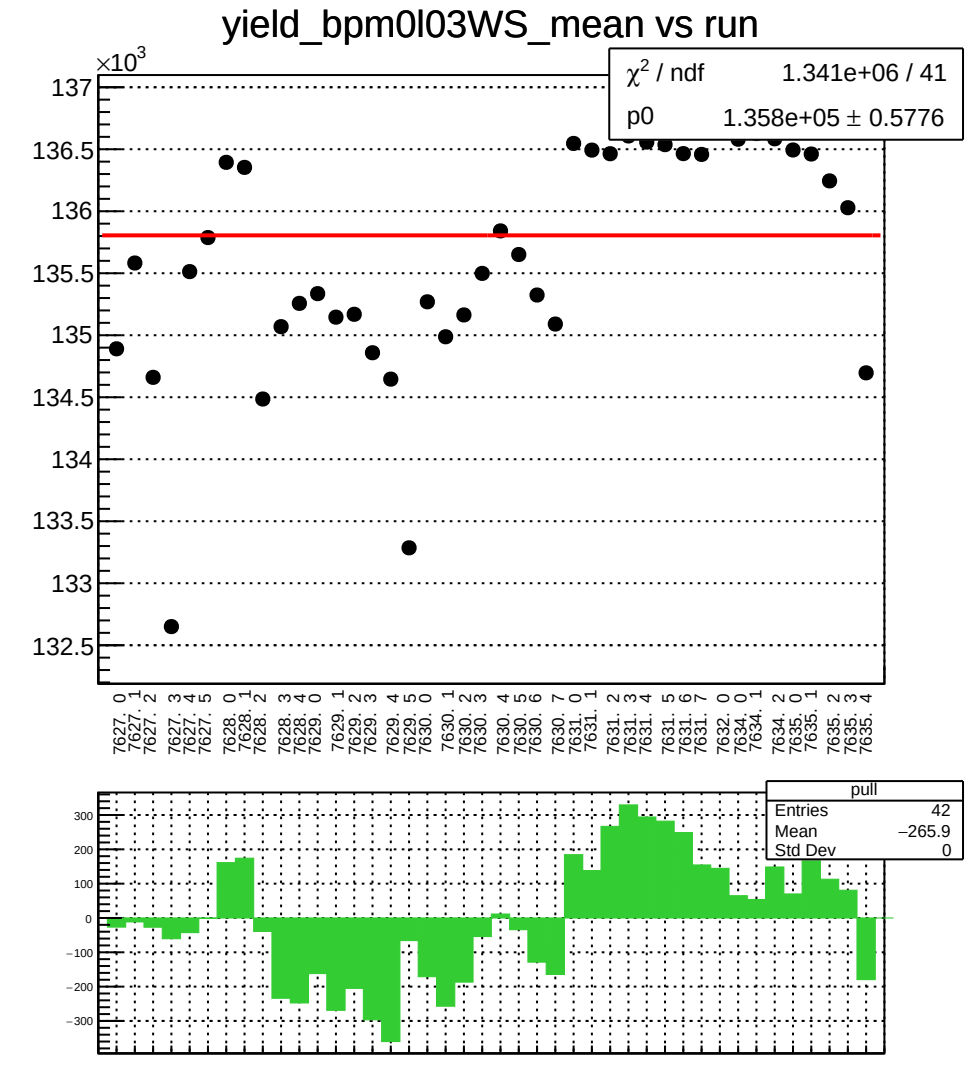

yield_bpm0i01aWS_rms vs run
χ² / ndf 8601 / 41
p0 266.2 ± 0.2941
360
340
320
300
280
260
240
220
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

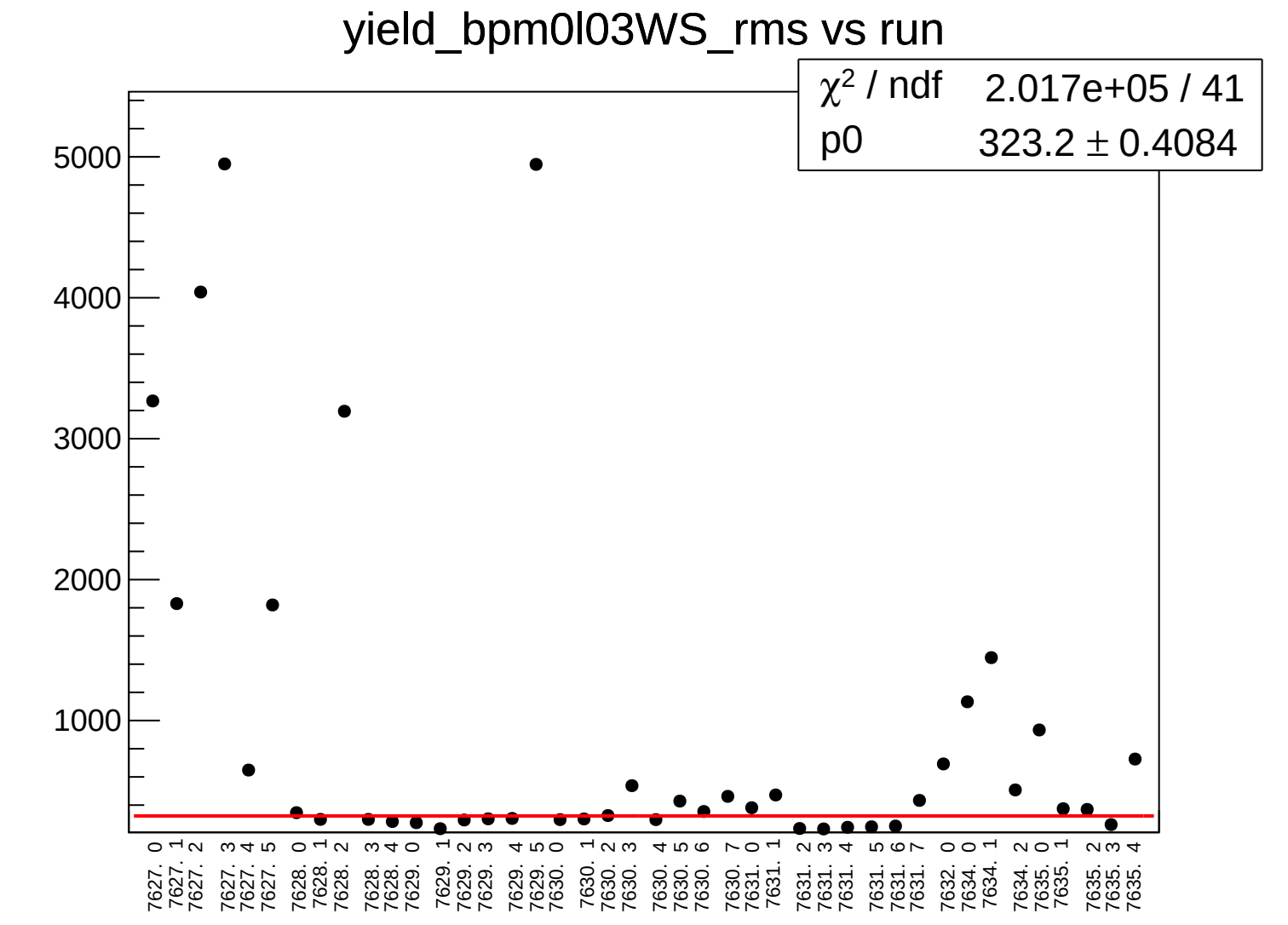

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.236e+05 / 41
p0 1.183e+05 ± 0.3979
118.6
118.5
118.4
118.3
118.2
118.1
118
117.9
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 5.665
Std Dev 27.4
100
50
0
−50
−100
−150
pull1D
Entries 42
Mean −0.9318
Std Dev 5.342
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

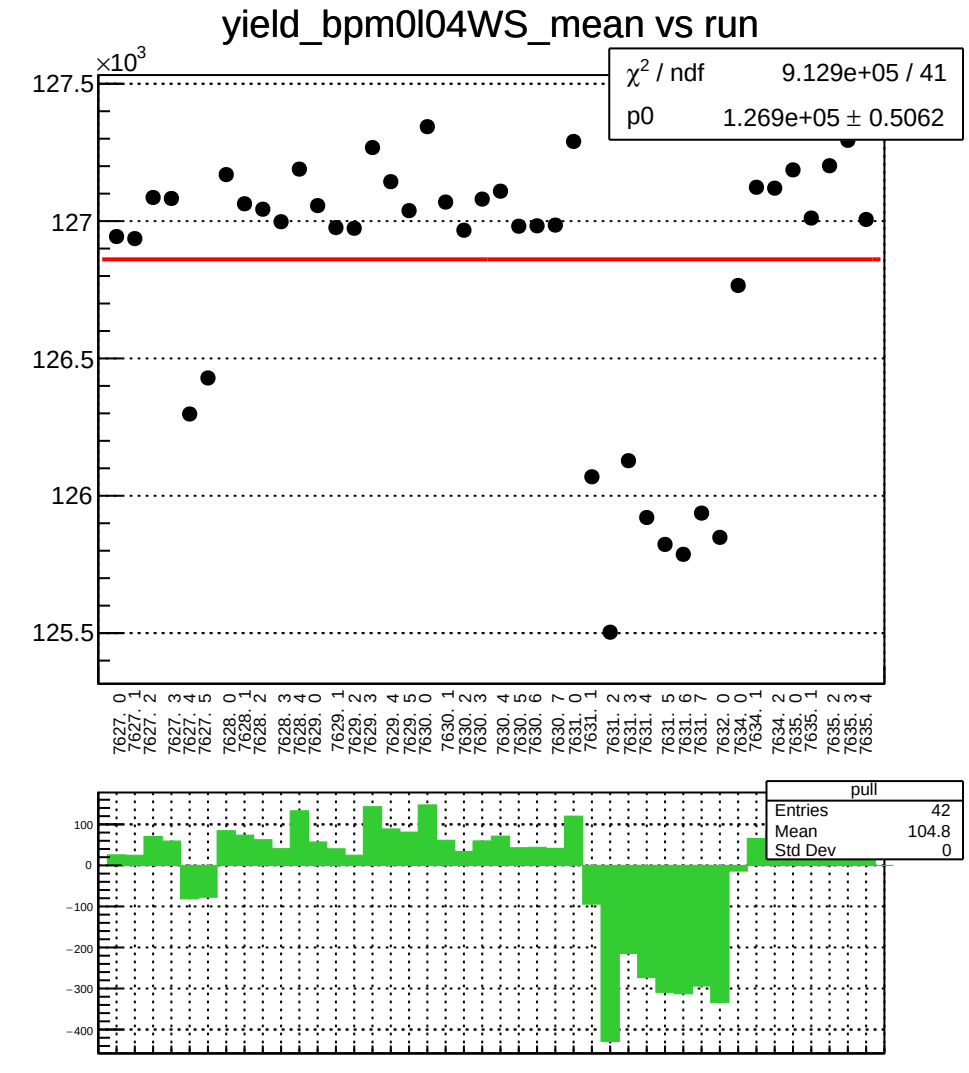

yield_bpm0l01WS_rms vs run
χ² / ndf 9563 / 41
p0 254.5 ± 0.2814
360
340
320
300
280
260
240
220
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

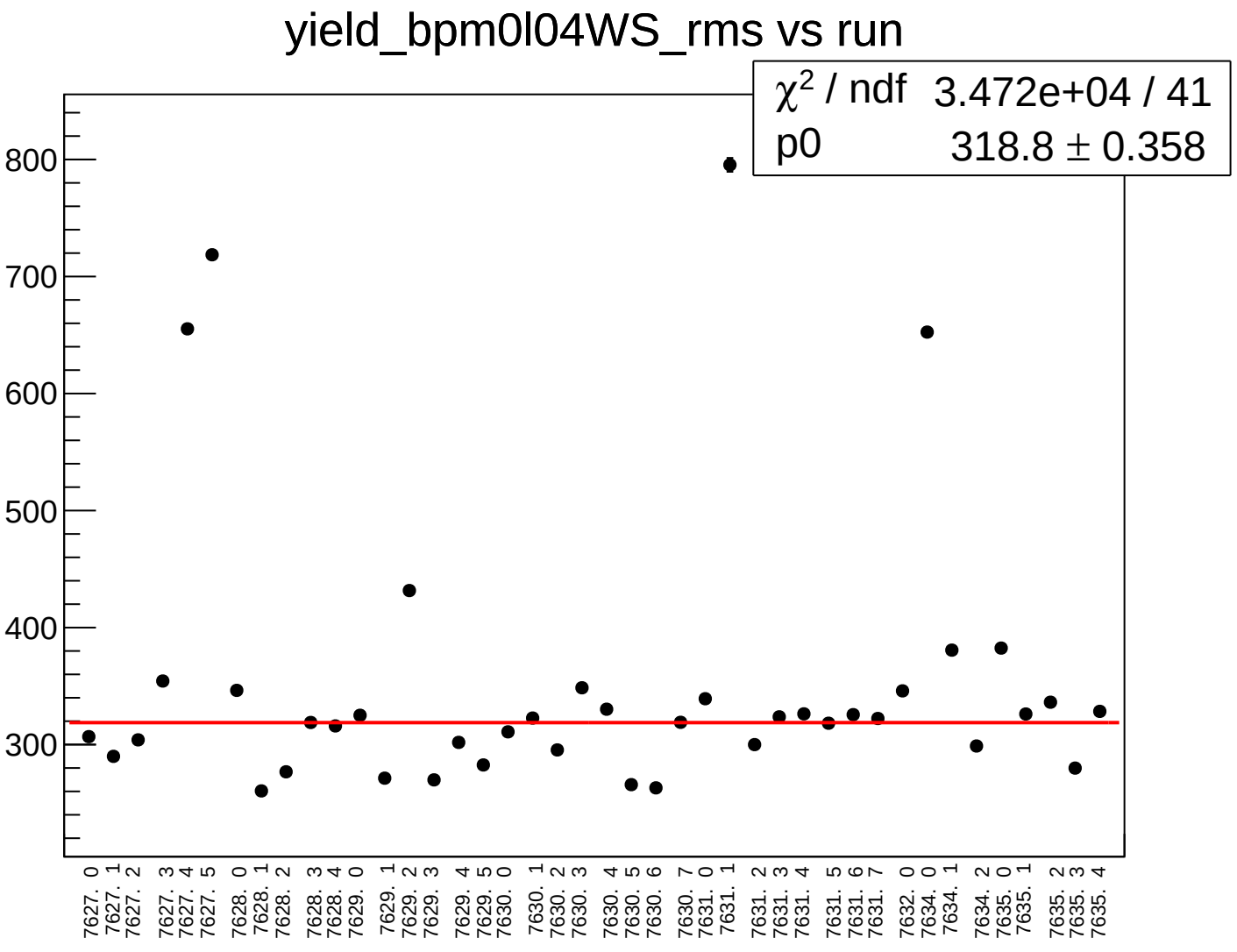

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 6.384e+05 / 41
p0 1.346e+05 ± 0.5139
135.2
135
134.8
134.6
134.4
134.2
134
133.8
133.6
133.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −42.29
Std Dev 0
100
0
−100
−200
−300
pull1D
Entries 42
Mean 0.6742
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

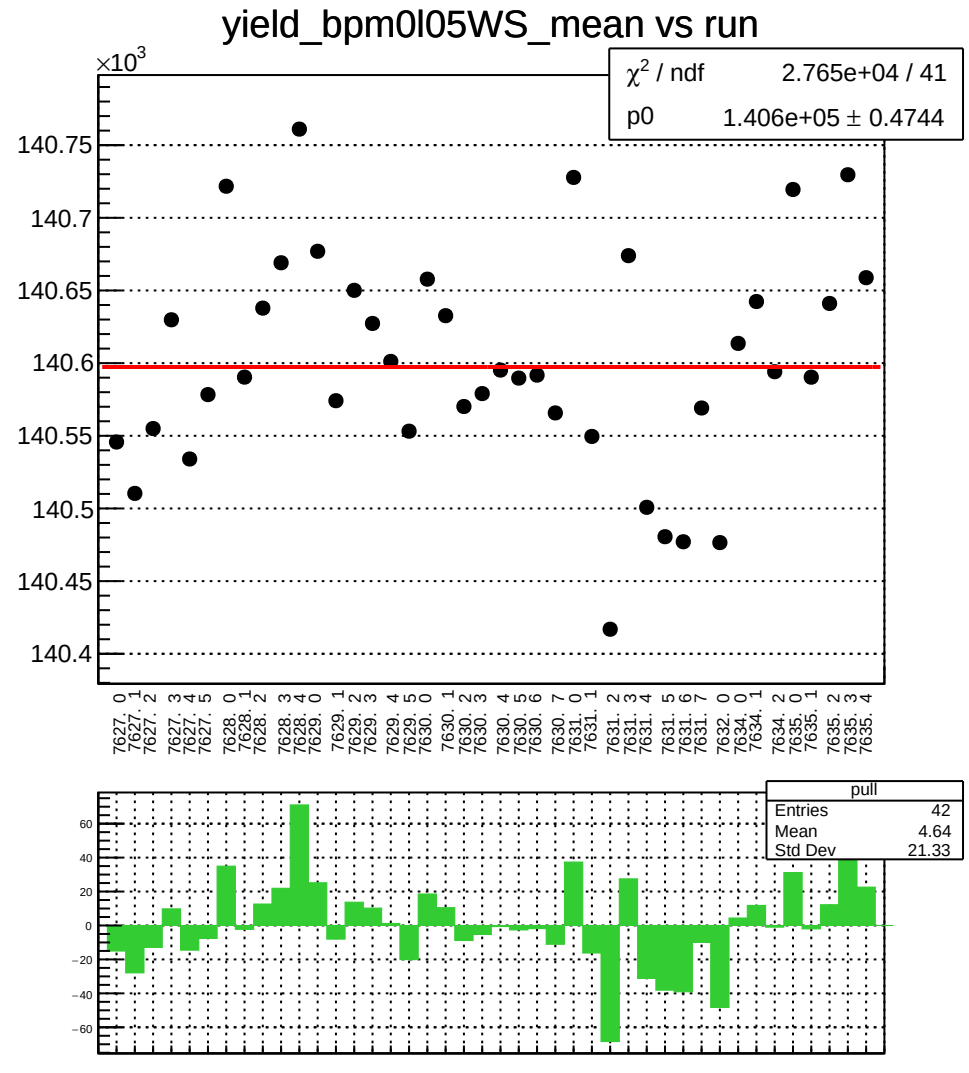

yield_bpm0l02WS_rms vs run
χ² / ndf 2.68e+04 / 41
p0 325.2 ± 0.3634
700
650
600
550
500
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

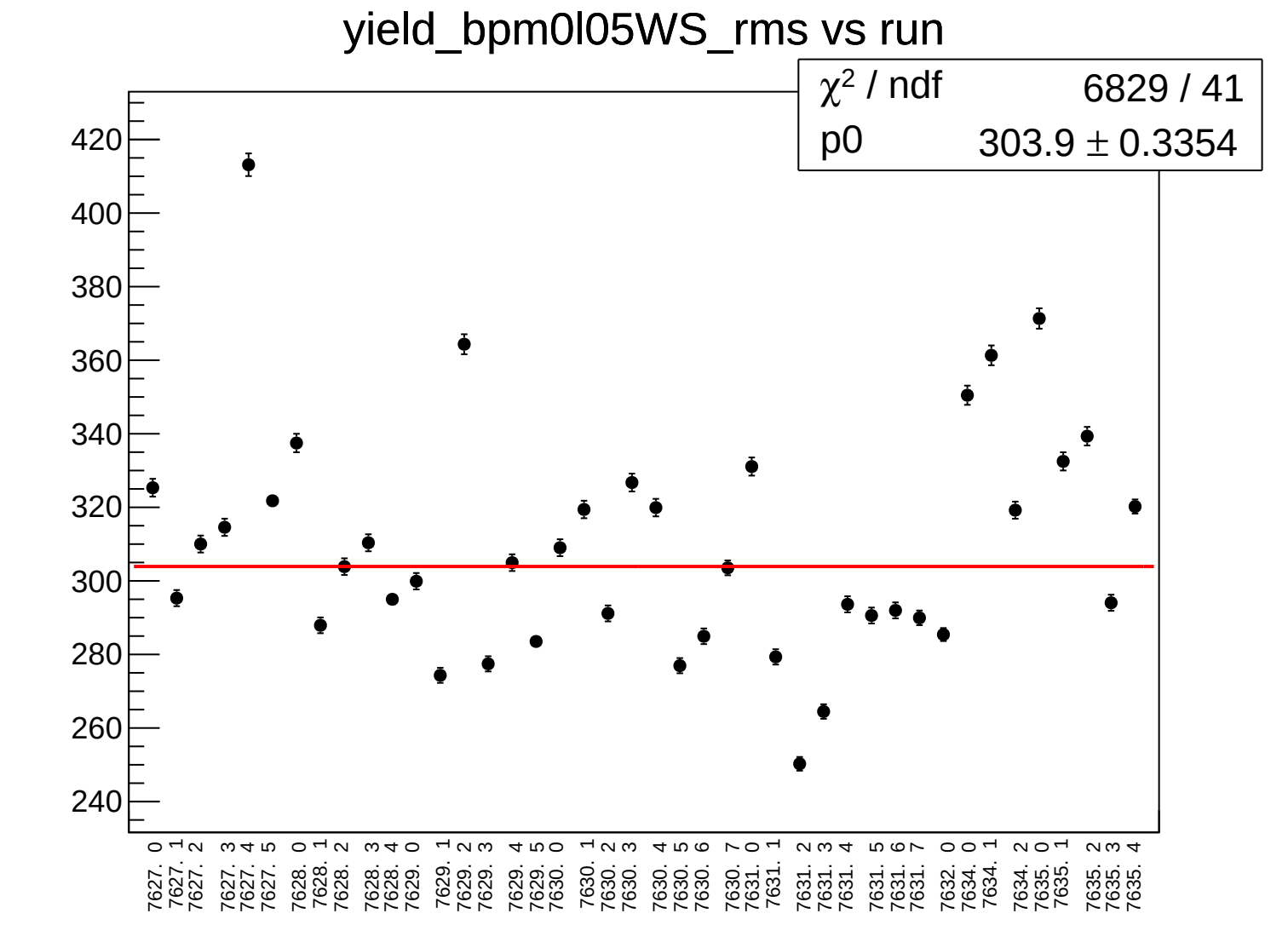

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.341e+06 / 41
p0 1.358e+05 ± 0.5776
137
136.5
136
135.5
135
134.5
134
133.5
133
132.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −265.9
Std Dev 0
300
200
100
0
−100
−200
−300
pull1D
Entries 42
Mean −1.252
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

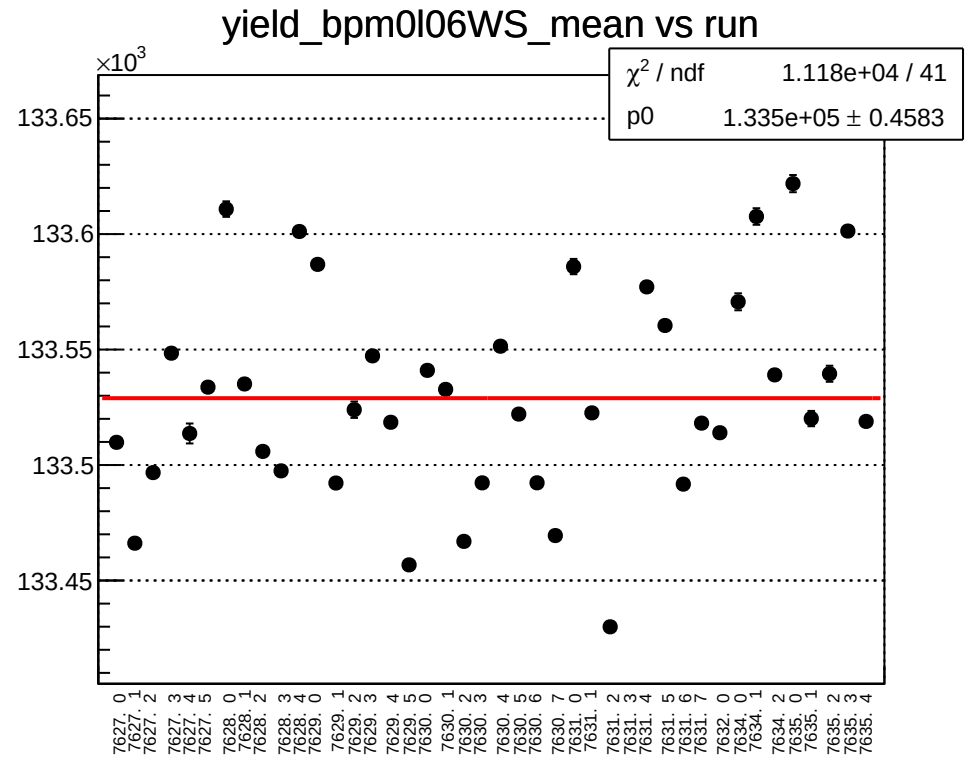

yield_bpm0l03WS_rms vs run
χ² / ndf 2.017e+05 / 41
p0 323.2 ± 0.4084
5000
4000
3000
2000
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

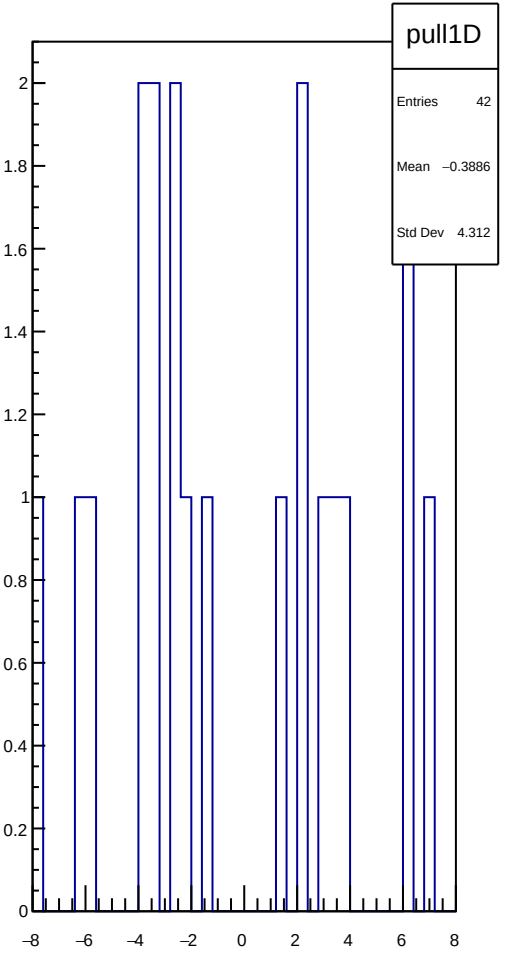

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 9.129e+05 / 41
p0 1.269e+05 ± 0.5062
127.5
127
126.5
126
125.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 104.8
Std Dev 0
100
0
−100
−200
−300
−400
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

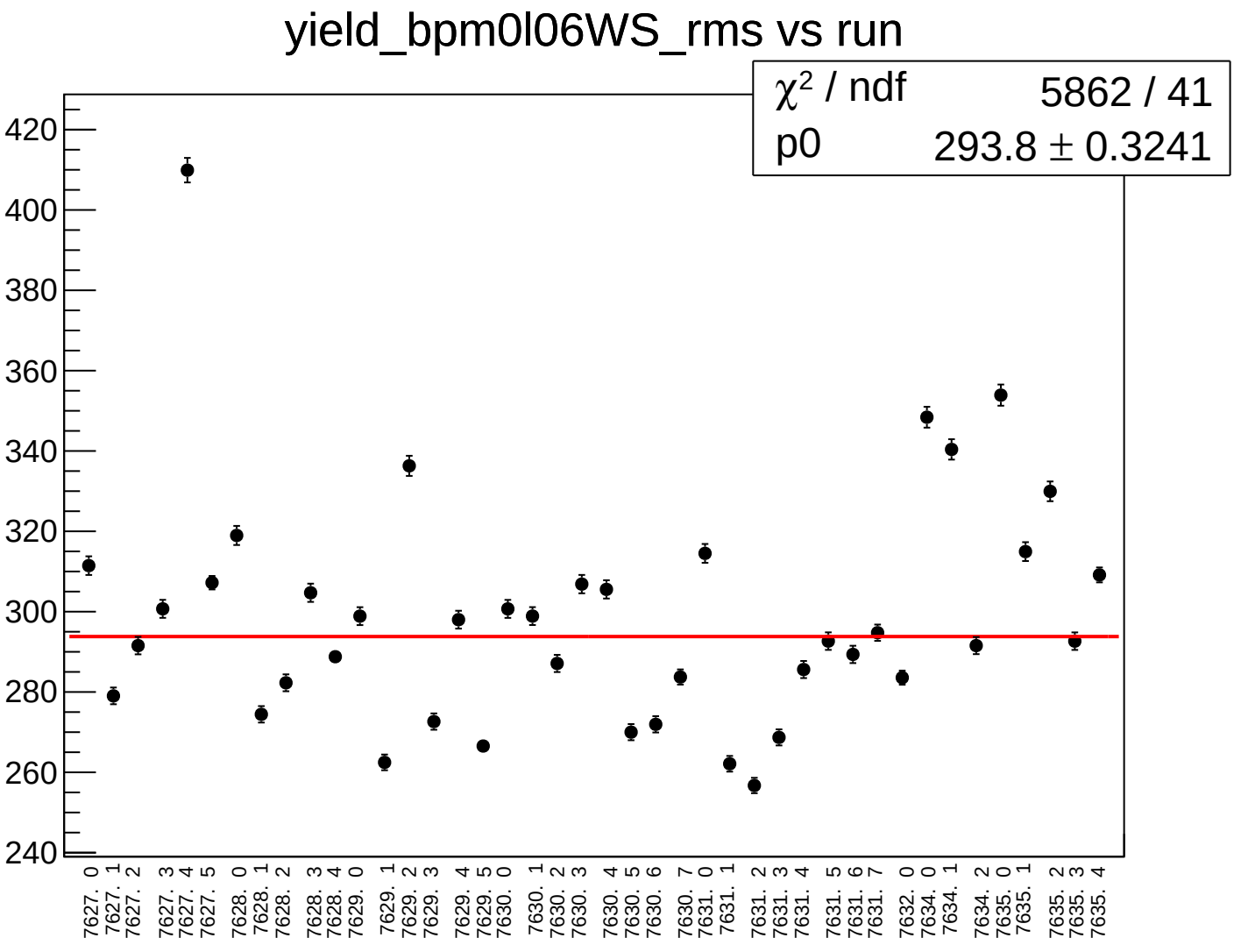

yield_bpm0l04WS_rms vs run
χ² / ndf 3.472e+04 / 41
p0 318.8 ± 0.358
800
700
600
500
400
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

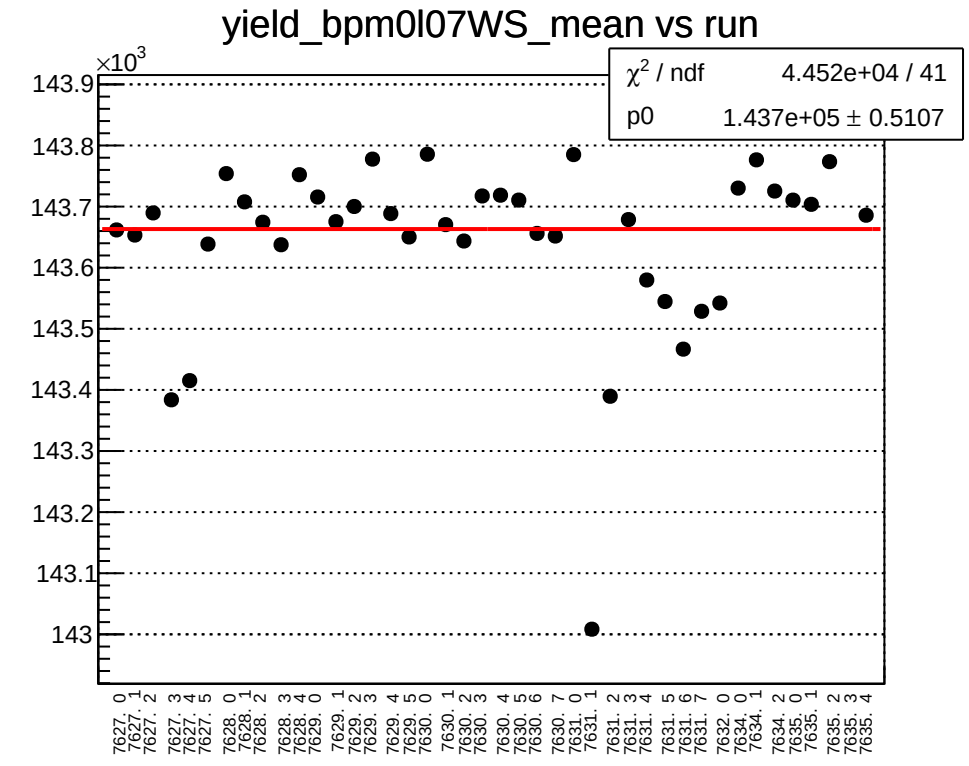

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 2.765e+04 / 41
p0 1.406e+05 ± 0.4744
140.75
140.7
140.65
140.6
140.55
140.5
140.45
140.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 4.64
Std Dev 21.33
60
40
20
0
−20
−40
−60
pull1D
Entries 42
Mean −1.777
Std Dev 3.109
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

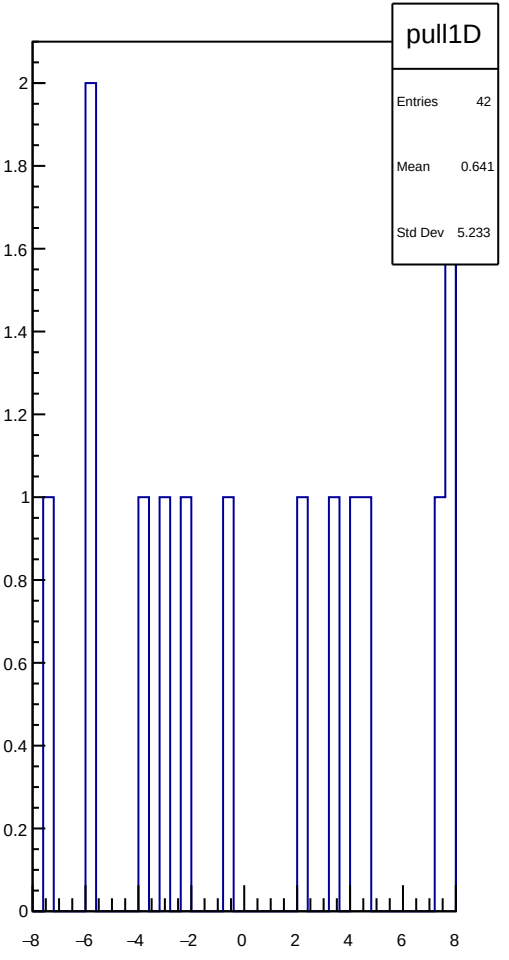

yield_bpm0l05WS_rms vs run
χ² / ndf 6829 / 41
p0 303.9 ± 0.3354
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

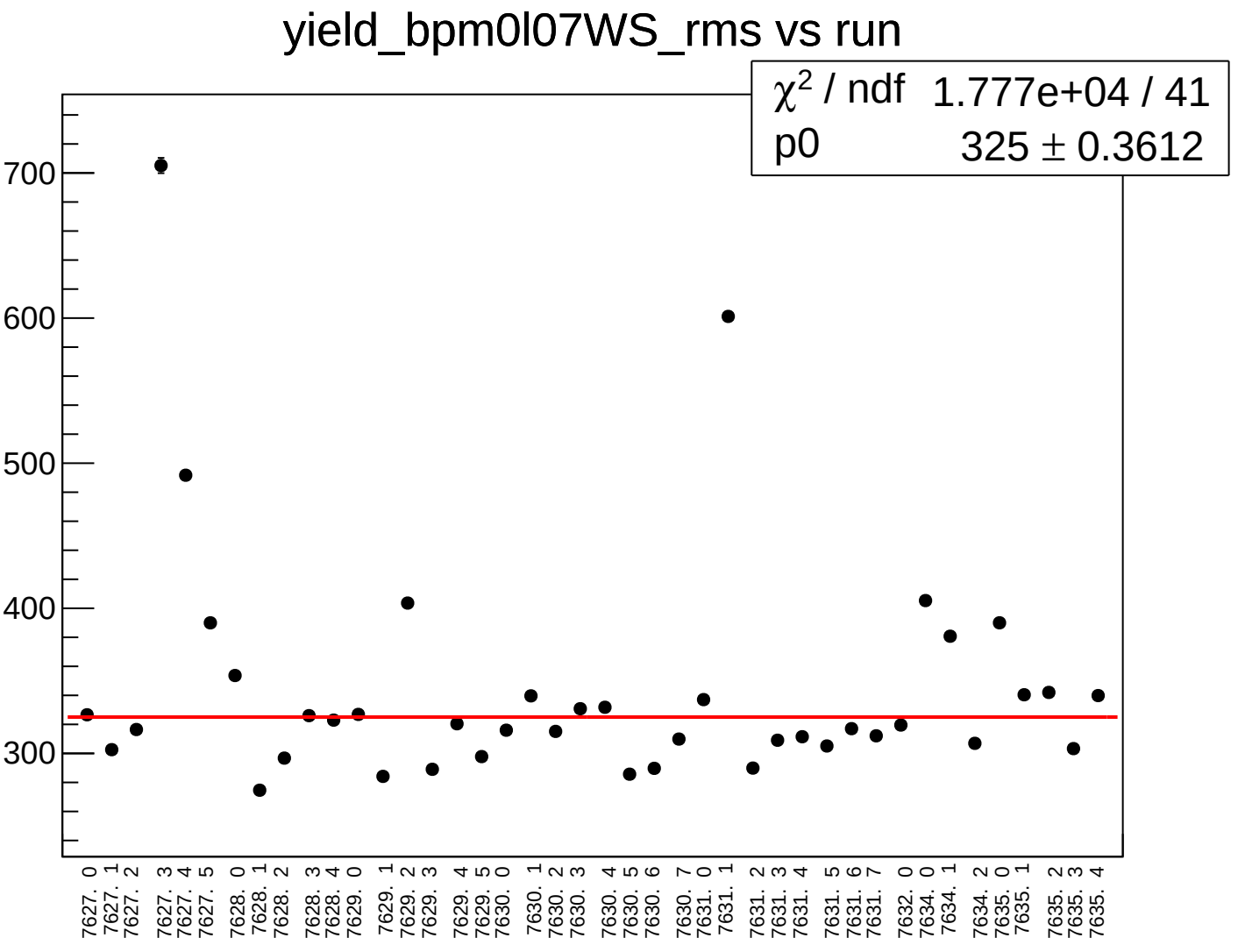

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 1.118e+04 / 41
p0 1.335e+05 ± 0.4583
133.65
133.6
133.55
133.5
133.45
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 79.08
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40

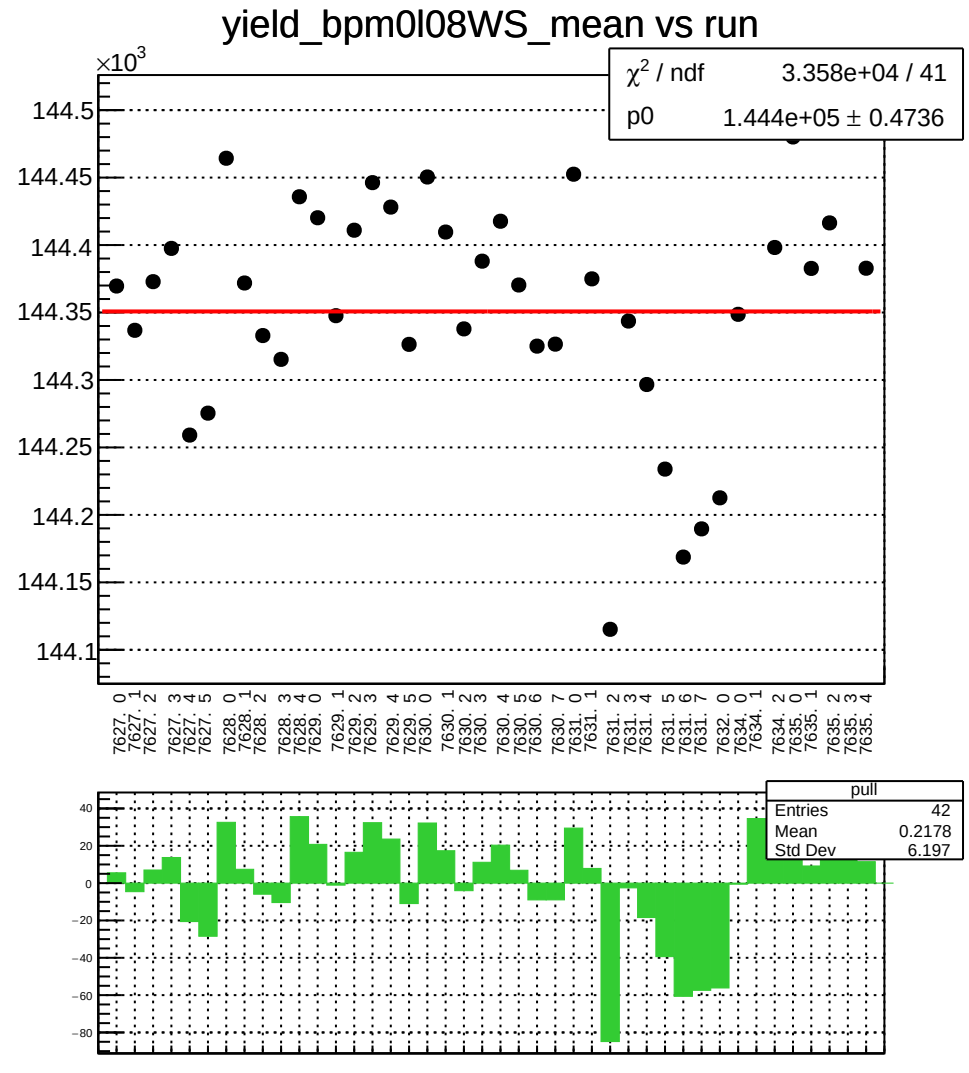

pull1D
Entries 42
Mean −0.3886
Std Dev 4.312
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

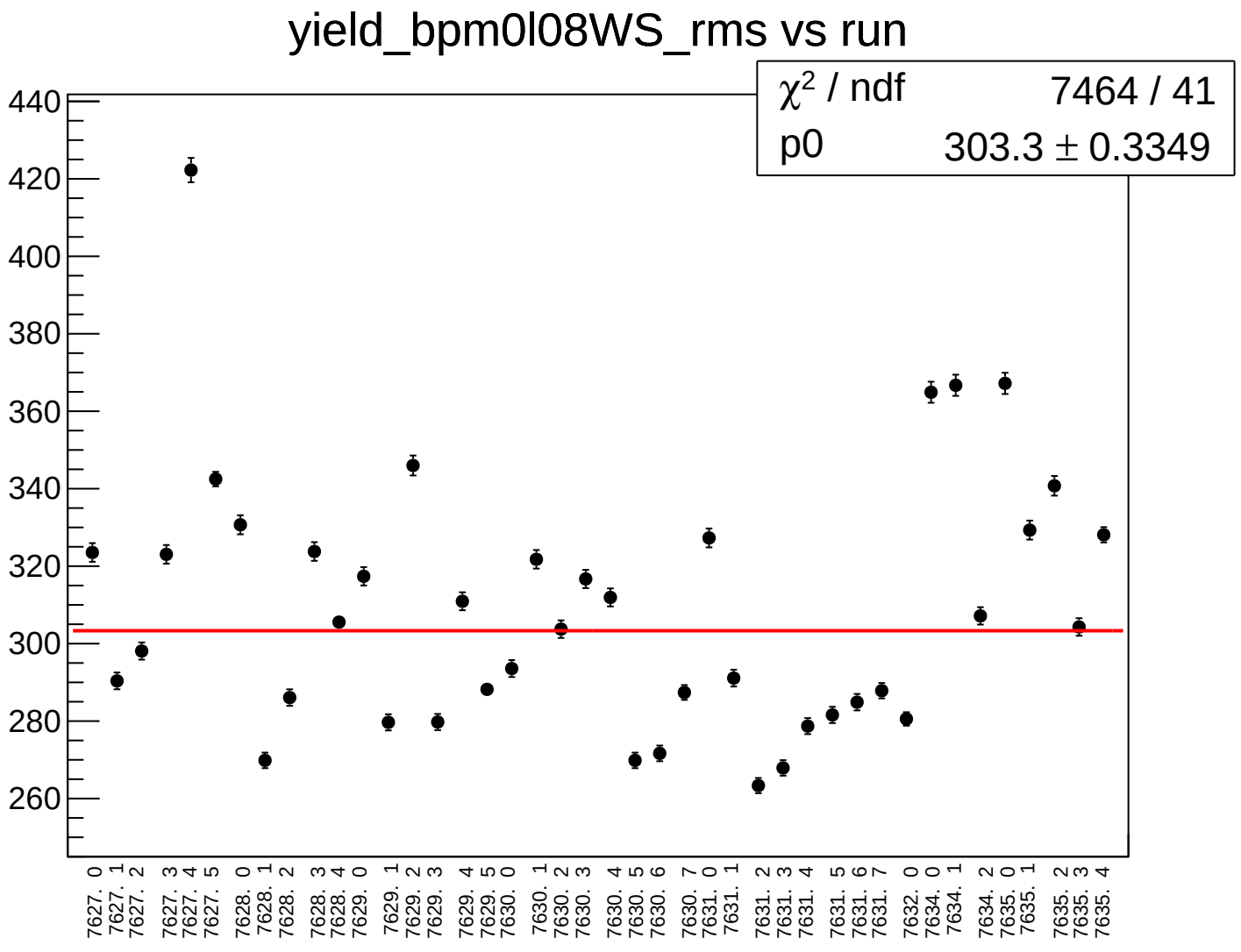

yield_bpm0l06WS_rms vs run
χ² / ndf 5862 / 41
p0 293.8 ± 0.3241
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

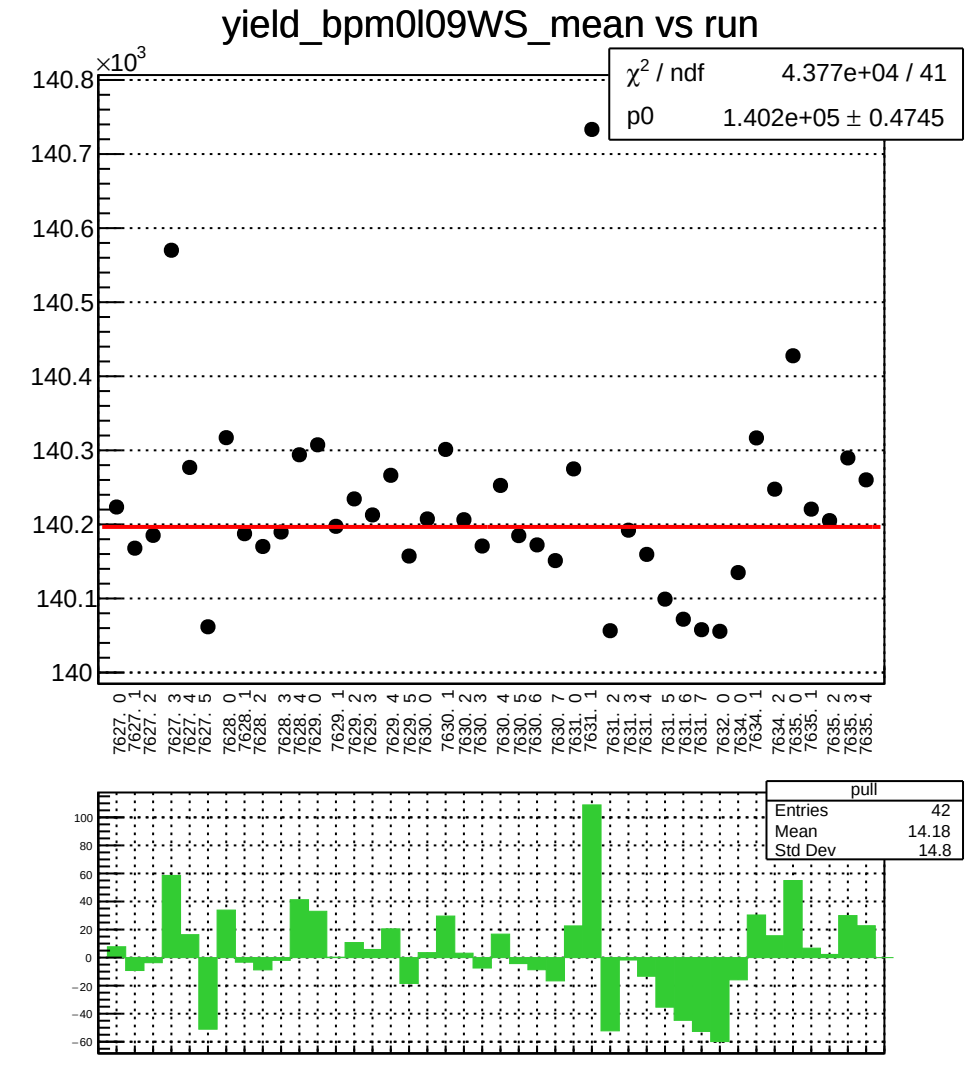

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 4.452e+04 / 41
p0 1.437e+05 ± 0.5107
143.9
143.8
143.7
143.6
143.5
143.4
143.3
143.2
143.1
143
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 23.57
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100

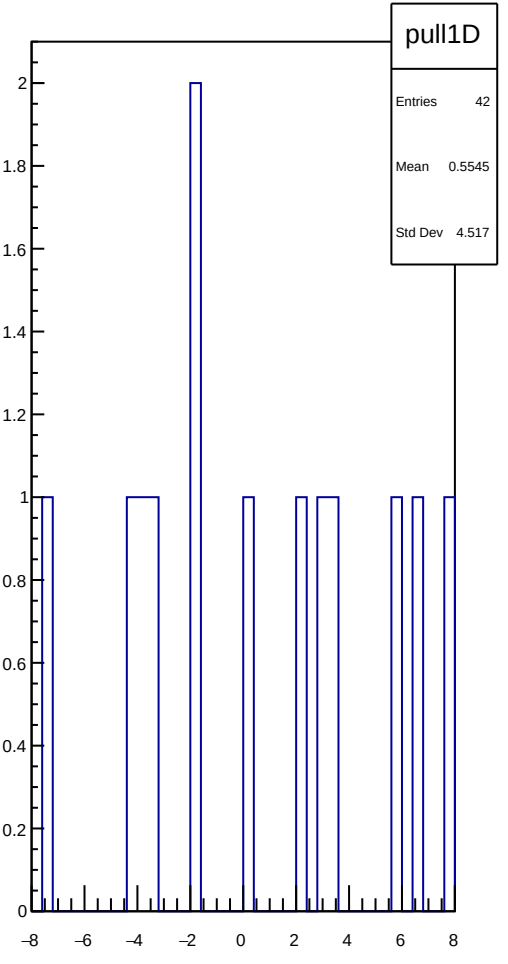

pull1D
Entries 42
Mean 0.641
Std Dev 5.233
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

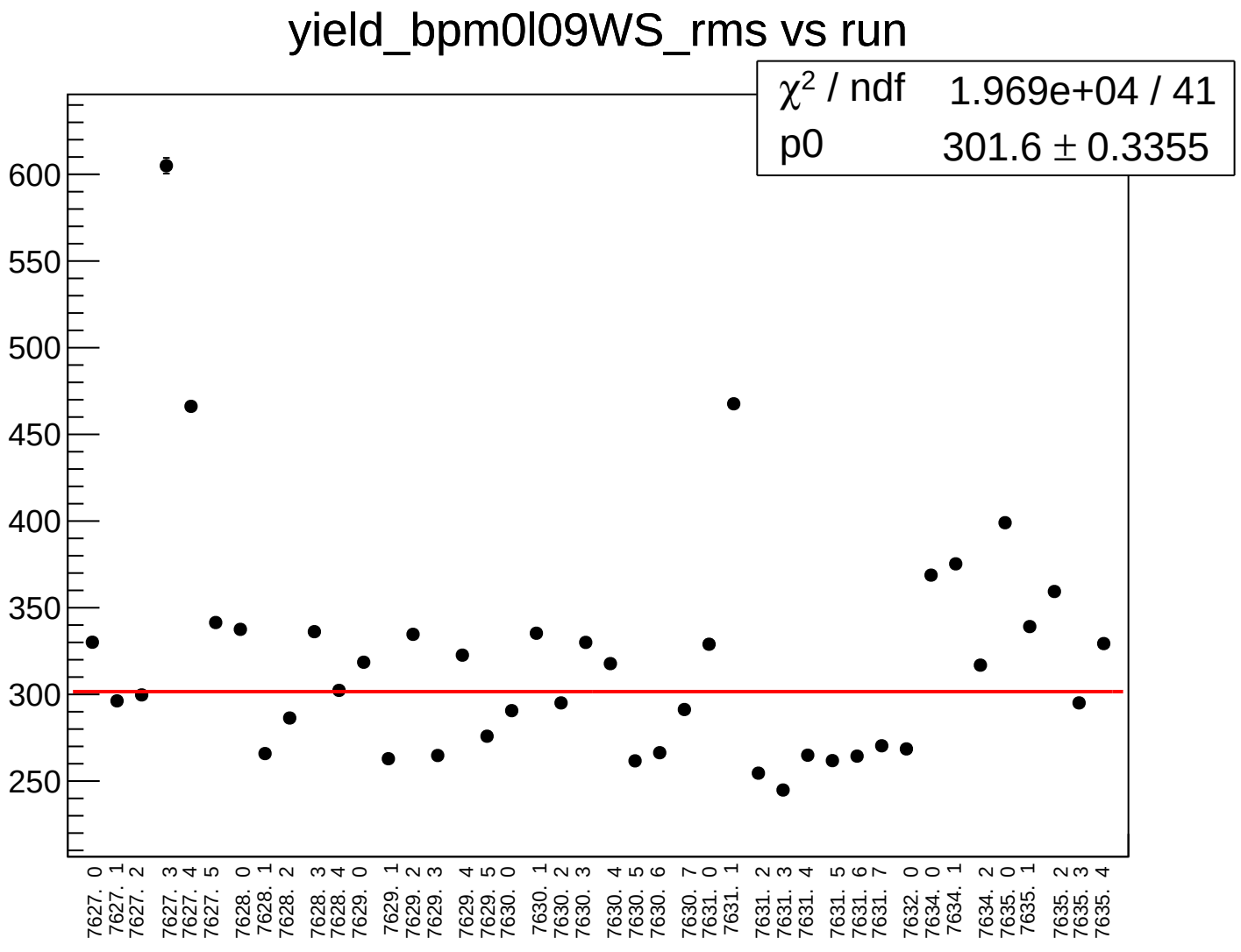

yield_bpm0l07WS_rms vs run
χ² / ndf 1.777e+04 / 41
p0 325 ± 0.3612
700
600
500
400
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

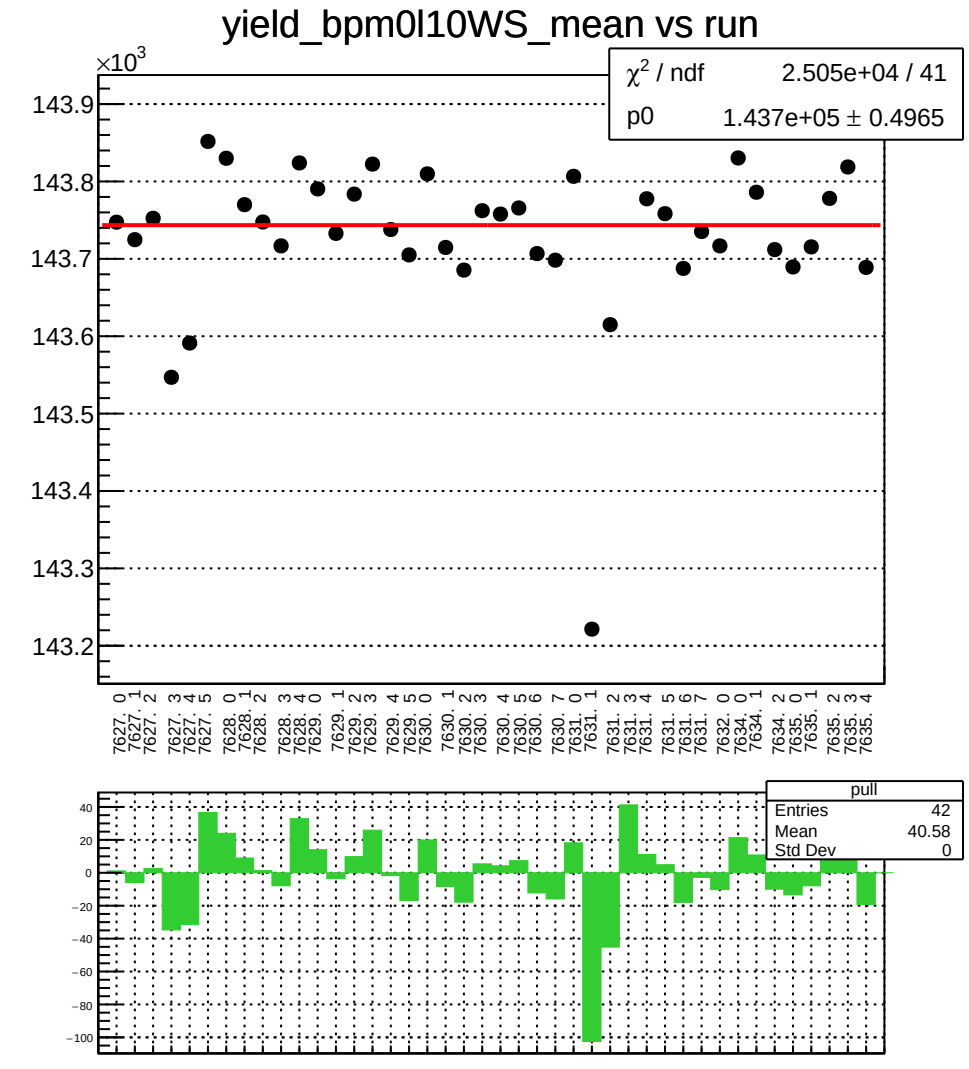

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 3.358e+04 / 41
p0 1.444e+05 ± 0.4736
144.5
144.45
144.4
144.35
144.3
144.25
144.2
144.15
144.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.2178
Std Dev 6.197
40
20
0
−20
−40
−60
−80
pull1D
Entries 42
Mean 1.458
Std Dev 5.23
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

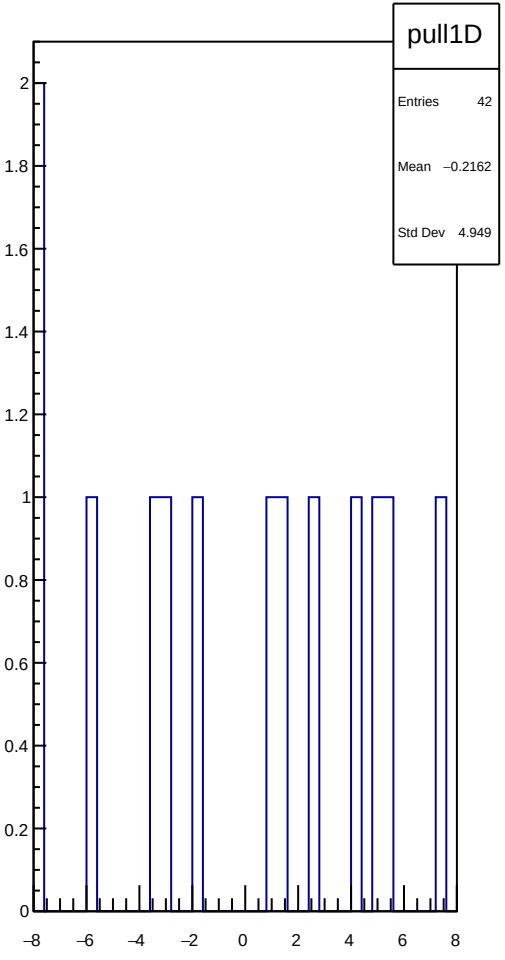

yield_bpm0l08WS_rms vs run
χ² / ndf 7464 / 41
p0 303.3 ± 0.3349
440
420
400
380
360
340
320
300
280
260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

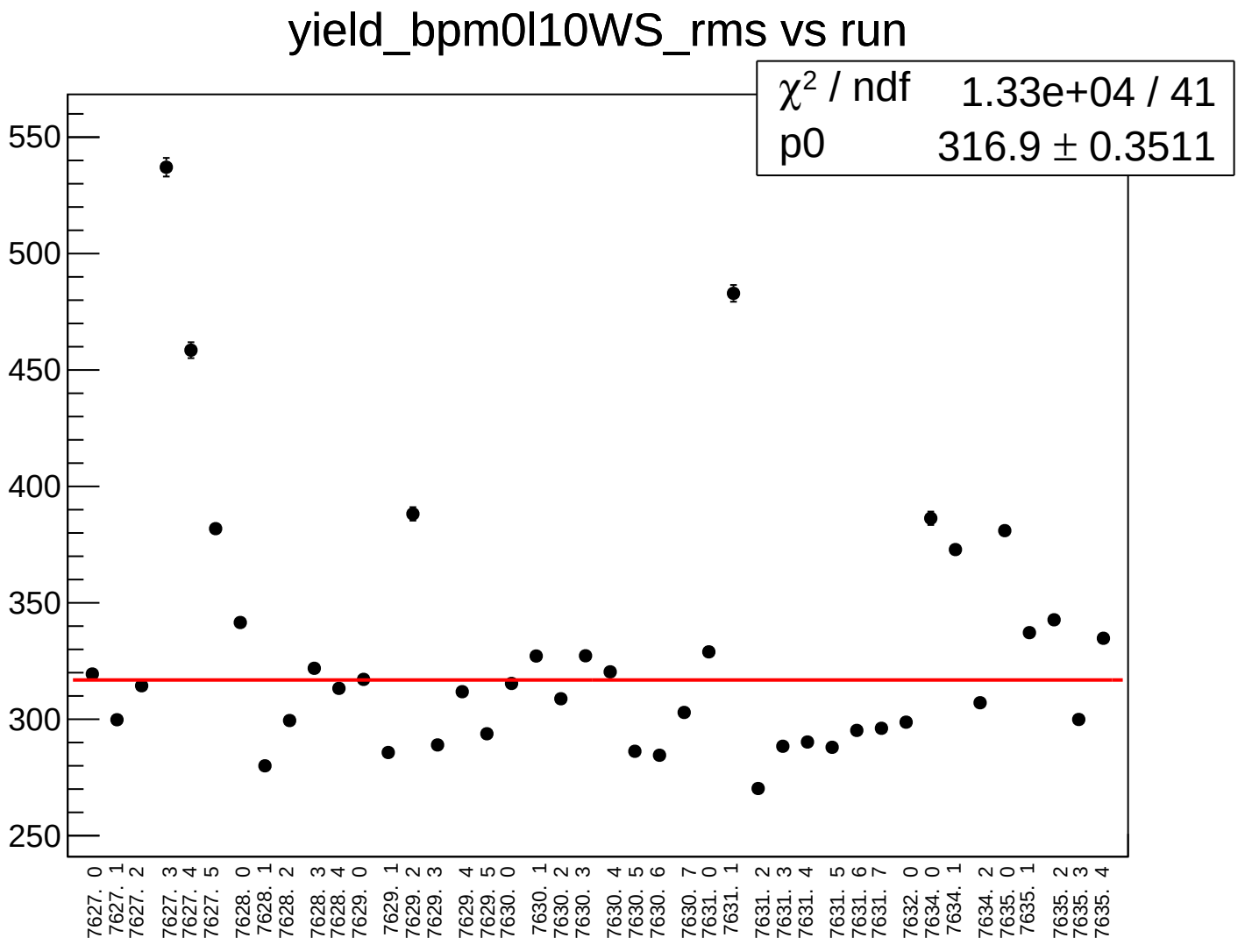

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 4.377e+04 / 41
p0 1.402e+05 ± 0.4745
140.8
140.7
140.6
140.5
140.4
140.3
140.2
140.1
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 14.18
Std Dev 14.8
100
80
60
40
20
0
−20
−40
−60

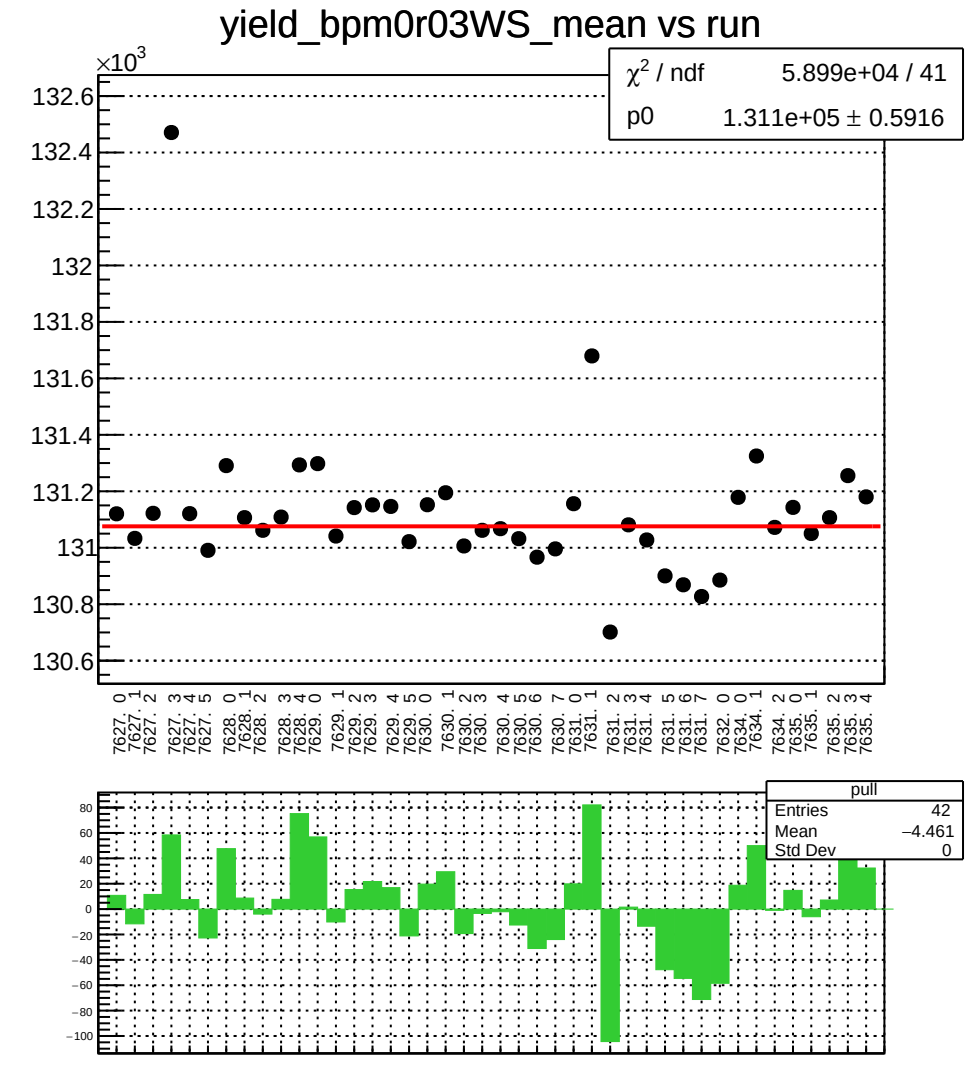

pull1D
Entries 42
Mean 0.5545
Std Dev 4.517
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

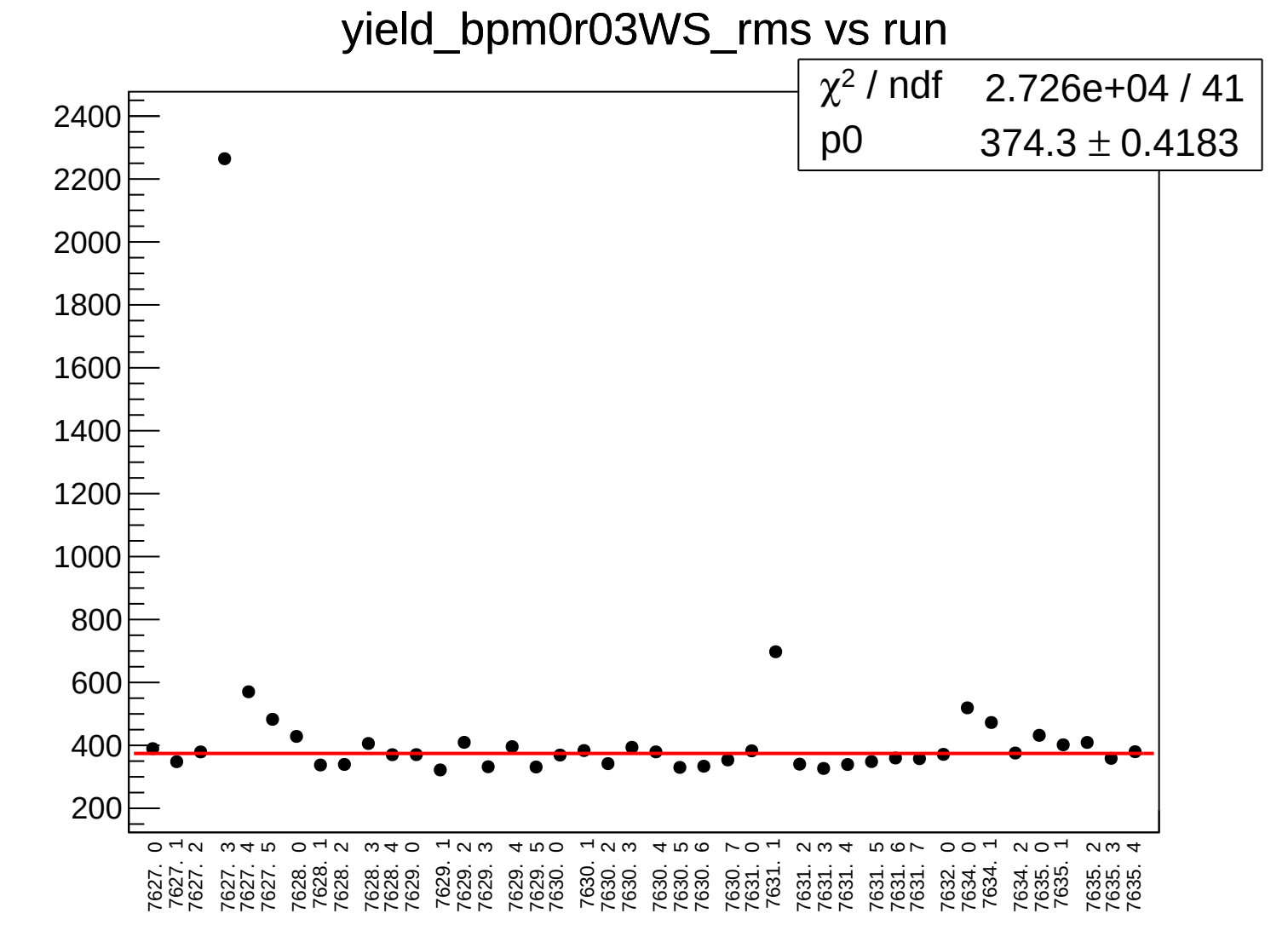

yield_bpm0l09WS_rms vs run
χ² / ndf 1.969e+04 / 41
p0 301.6 ± 0.3355
600
550
500
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

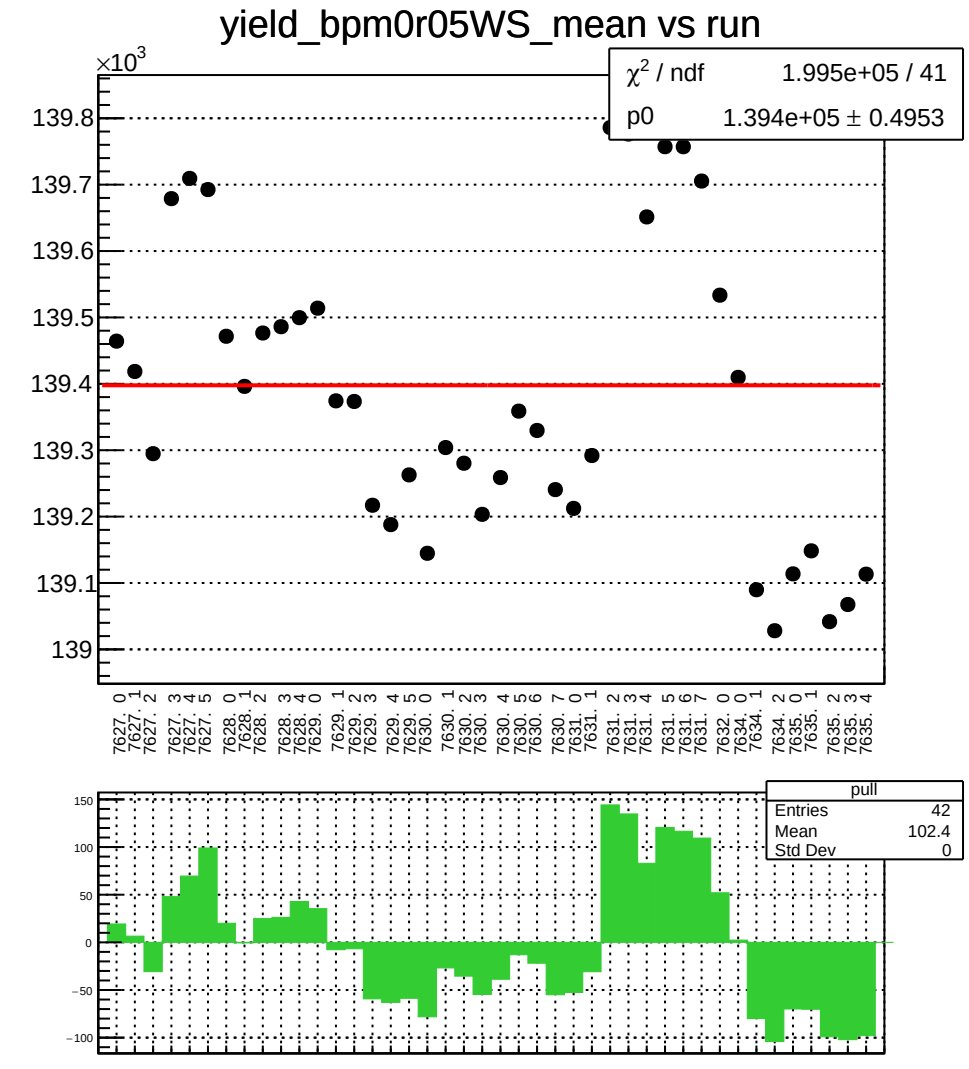

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 2.505e+04 / 41
p0 1.437e+05 ± 0.4965
143.9
143.8
143.7
143.6
143.5
143.4
143.3
143.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 40.58
Std Dev 0
40
20
0
−20
−40
−60
−80
−100

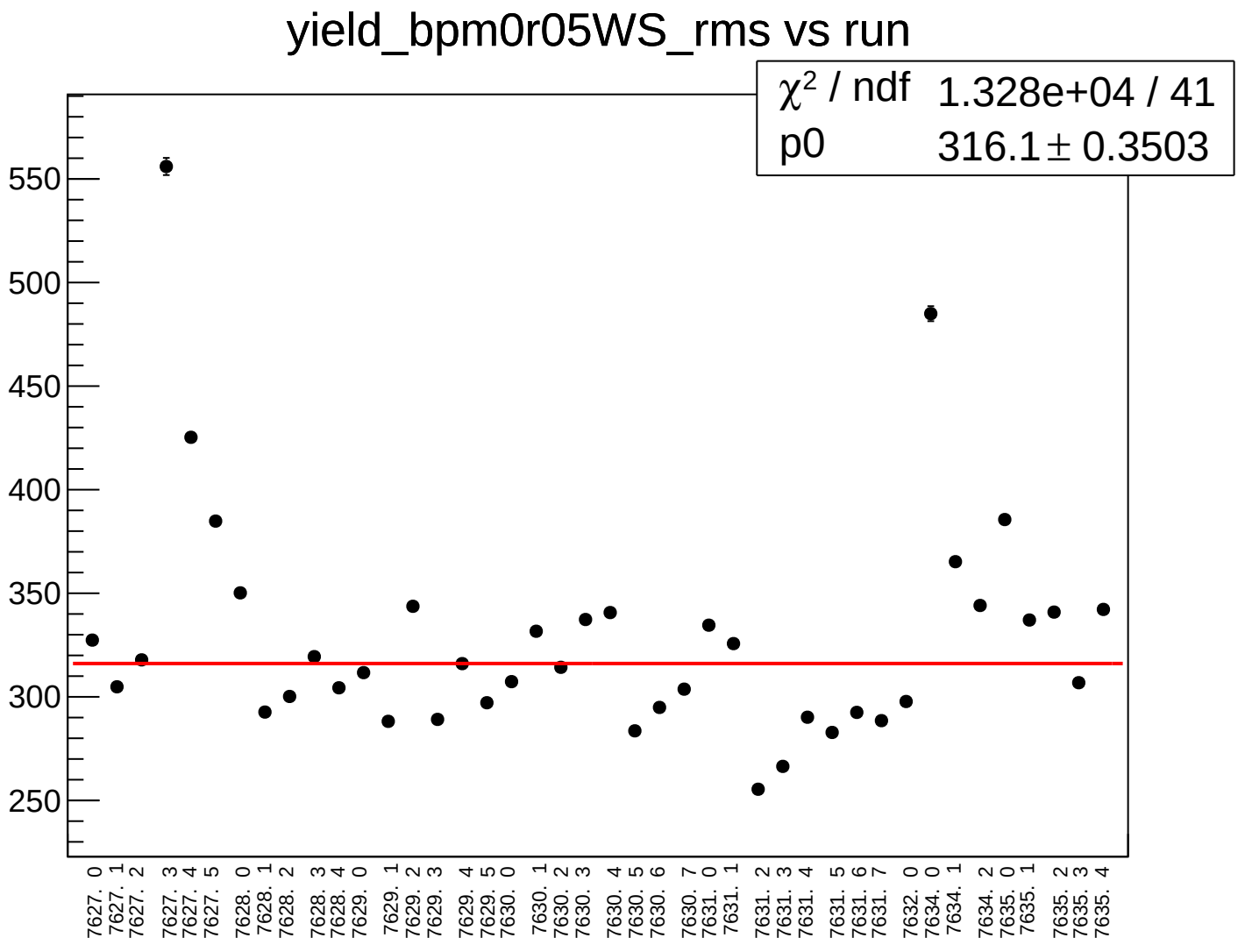

pull1D
Entries 42
Mean −0.2162
Std Dev 4.949
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

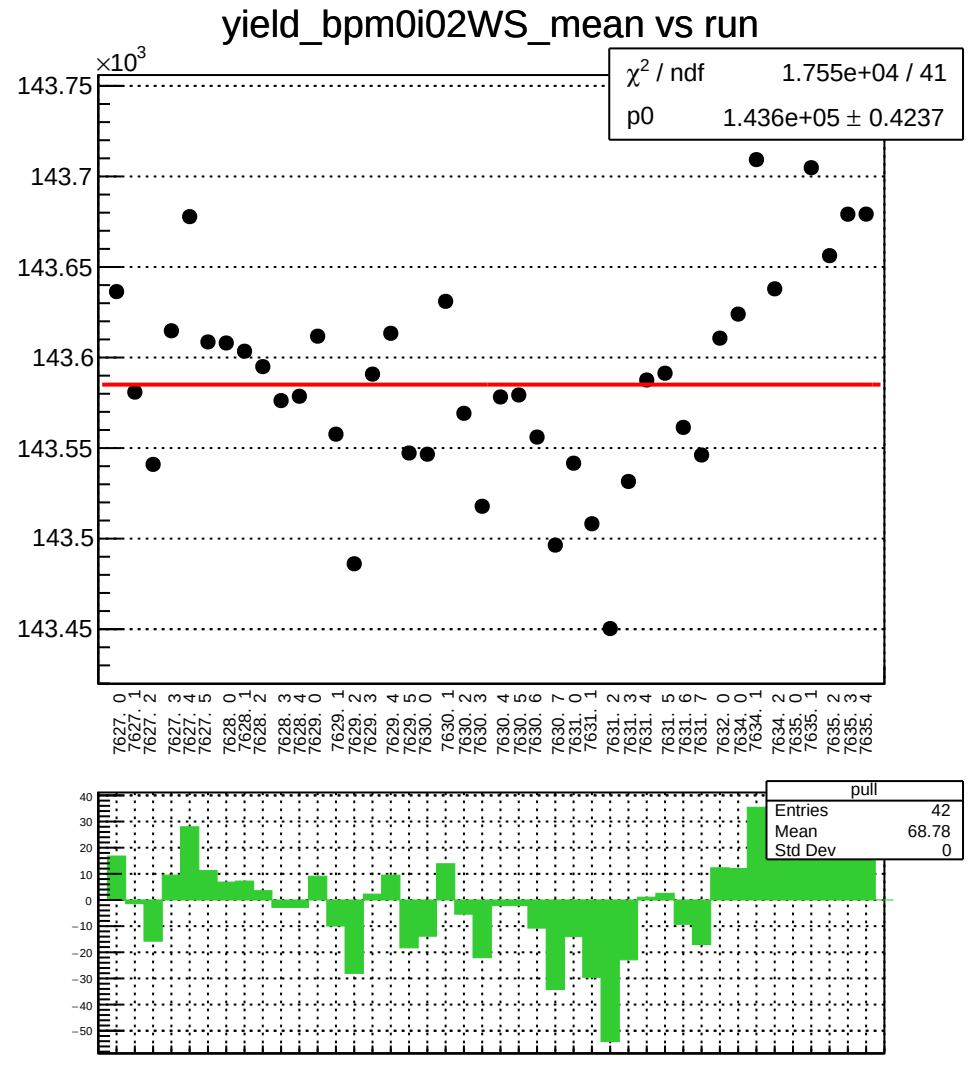

yield_bpm0l10WS_rms vs run
χ² / ndf 1.33e+04 / 41
p0 316.9 ± 0.3511
550
500
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

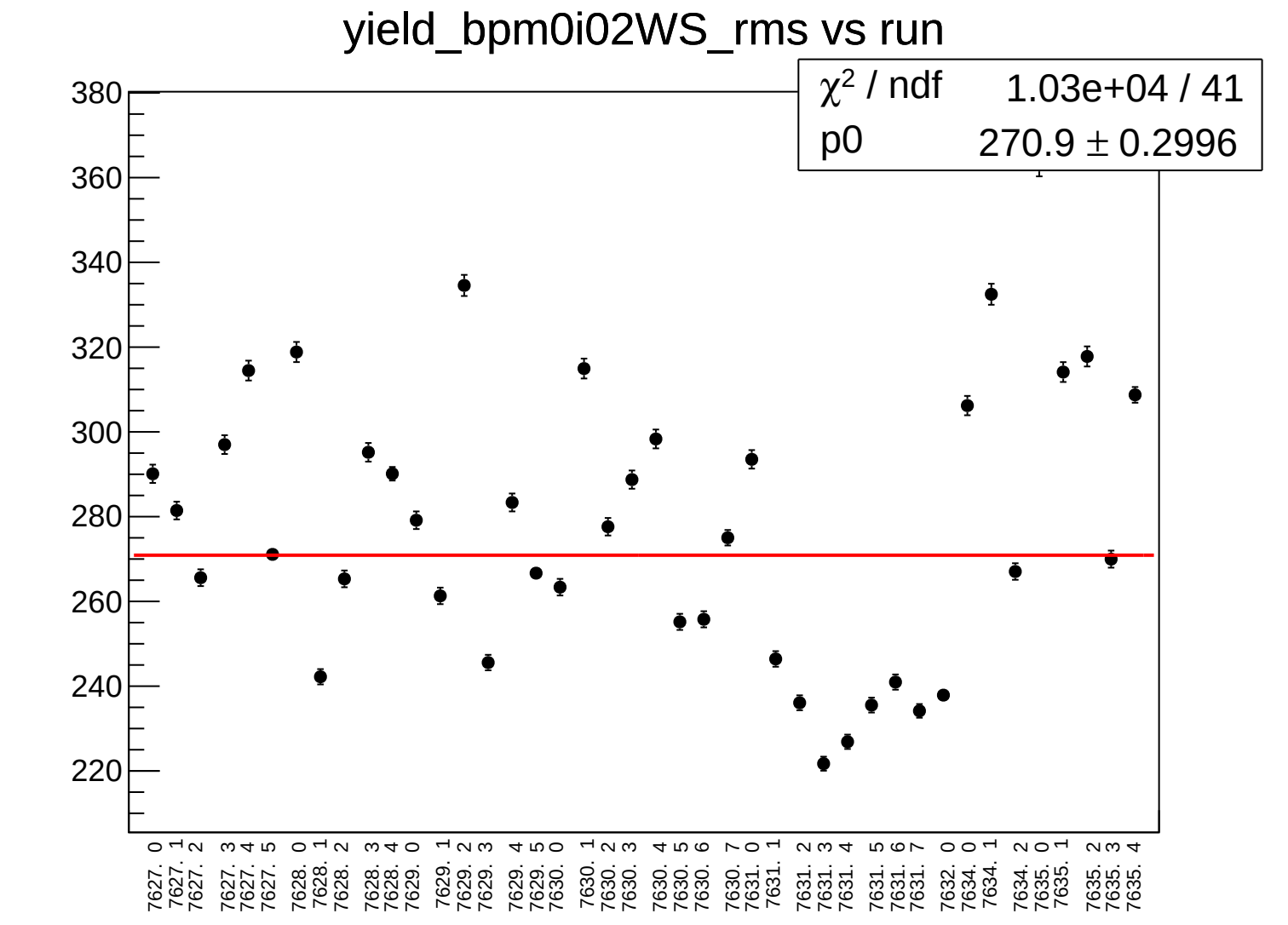

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 5.899e+04 / 41
p0 1.311e+05 ± 0.5916
132.6
132.4
132.2
132
131.8
131.6
131.4
131.2
131
130.8
130.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4.461
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 42
Mean 0.8349
Std Dev 5.056
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

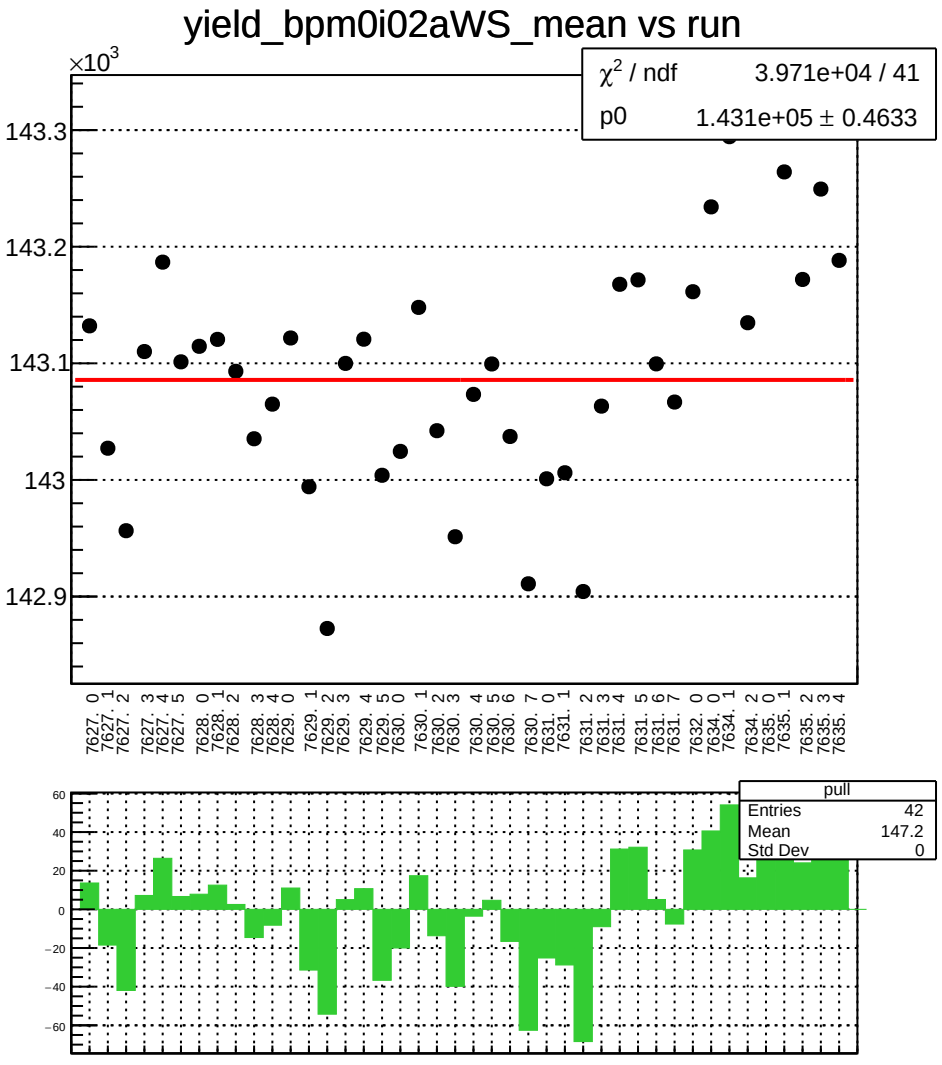

yield_bpm0r03WS_rms vs run
χ² / ndf 2.726e+04 / 41
p0 374.3 ± 0.4183
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

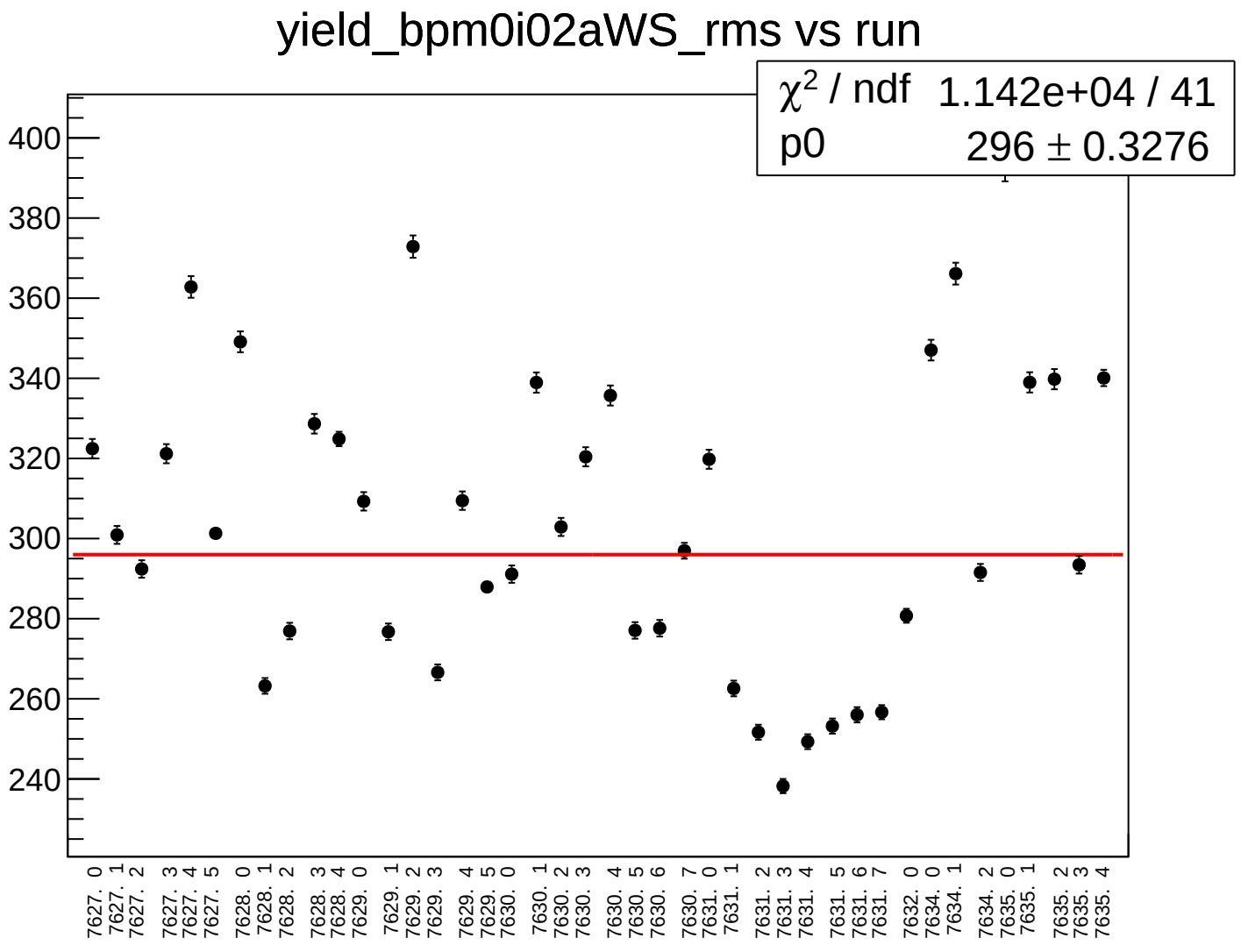

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.995e+05 / 41
p0 1.394e+05 ± 0.4953
139.8
139.7
139.6
139.5
139.4
139.3
139.2
139.1
139
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 102.4
Std Dev 0
150
100
50
0
−50
−100
pull1D
Entries 42
Mean −1.224
Std Dev 5.382
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

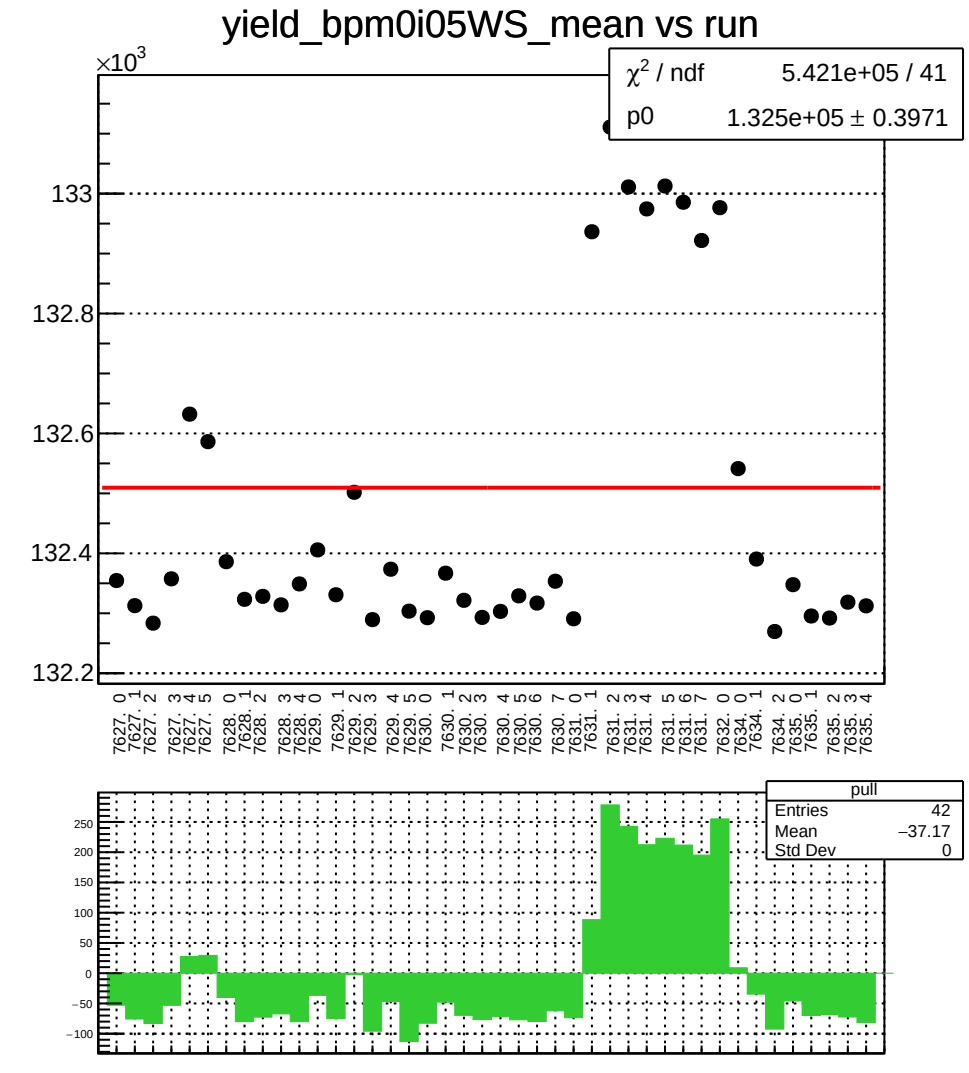

yield_bpm0r05WS_rms vs run
χ² / ndf 1.328e+04 / 41
p0 316.1 ± 0.3503
550
500
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

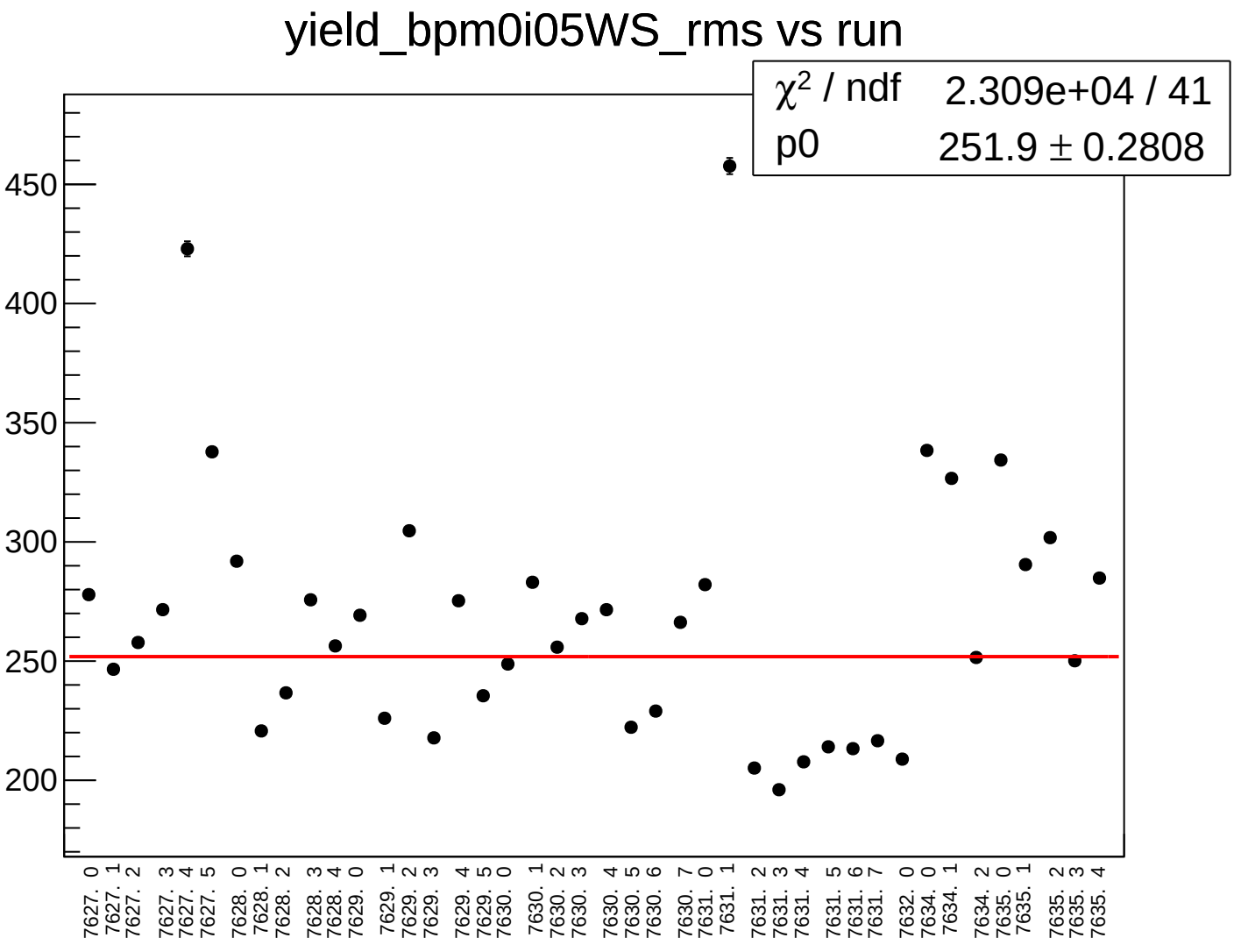

yield_bpm0i02WS_mean vs run
×10^3
143.75
143.7
143.65
143.6
143.55
143.5
143.45
χ² / ndf 1.755e+04 / 41
p0 1.436e+05 ± 0.4237
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 68.78
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40
−50
pull1D
Entries 42
Mean 0.558
Std Dev 3.842
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

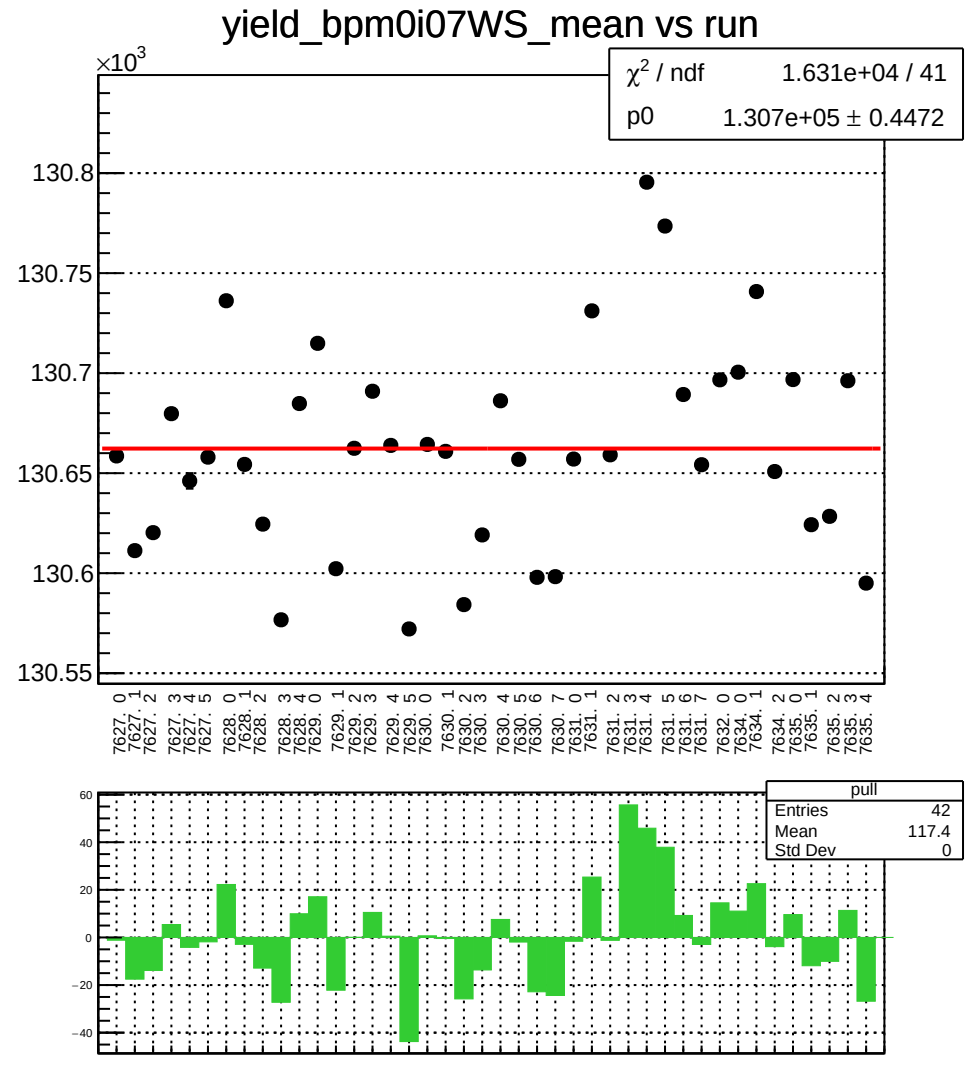

yield_bpm0i02WS_rms vs run
χ² / ndf 1.03e+04 / 41
p0 270.9 ± 0.2996
380
360
340
320
300
280
260
240
220
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

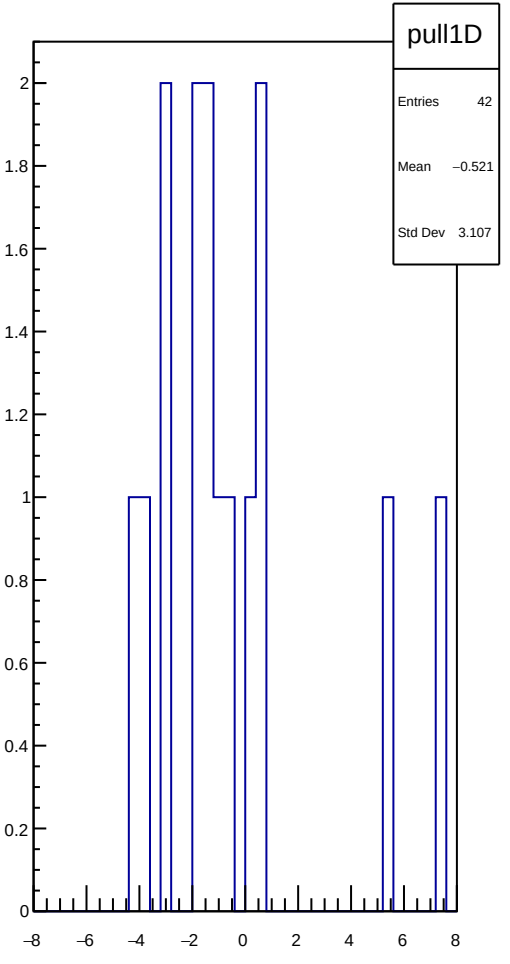

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 3.971e+04 / 41
p0 1.431e+05 ± 0.4633
143.3
143.2
143.1
143
142.9
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 147.2
Std Dev 0
60
40
20
0
−20
−40
−60
pull1D
Entries 42
Mean 3.103
Std Dev 4.946
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

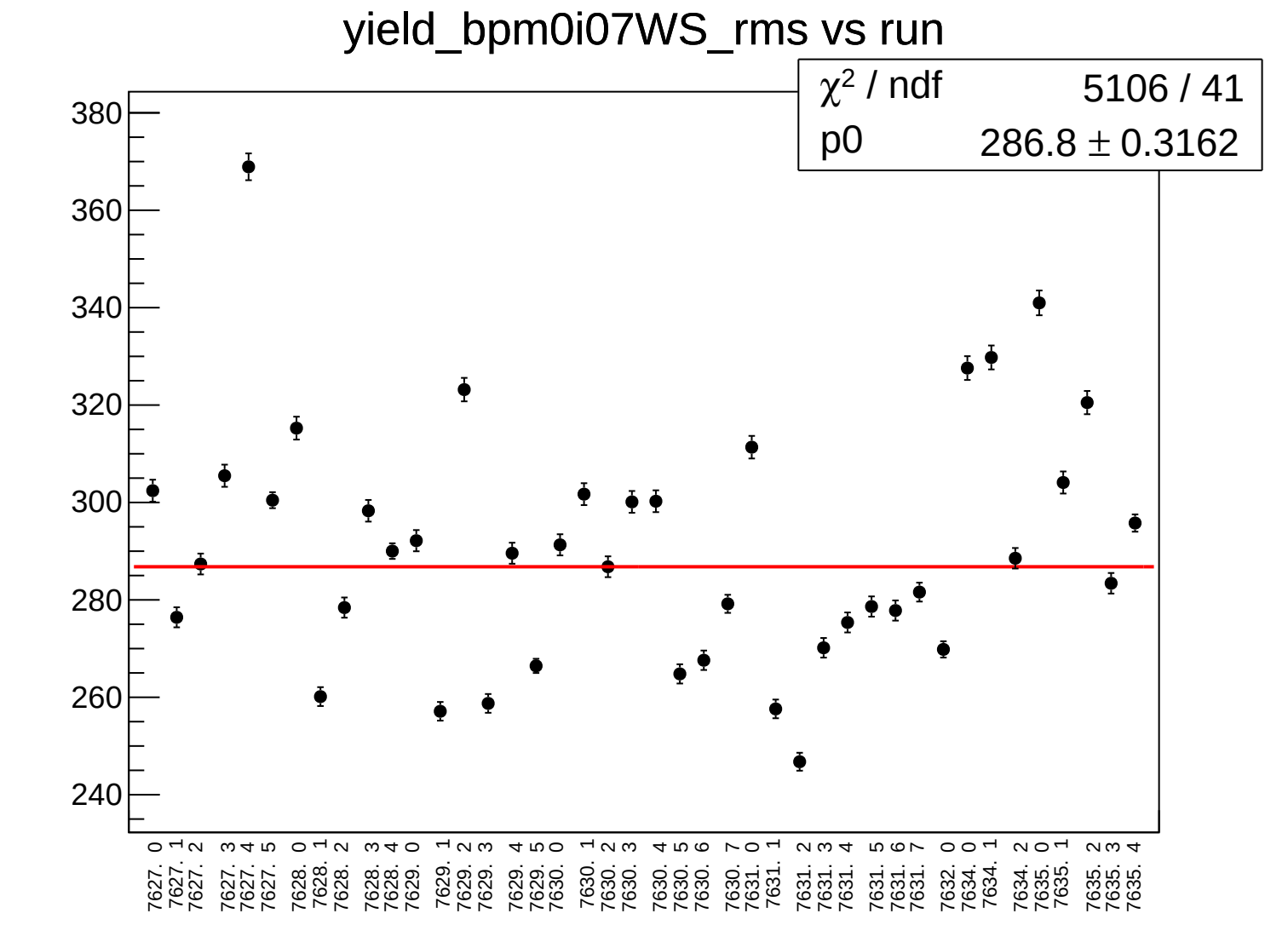

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.142e+04 / 41
p0 296 ± 0.3276
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

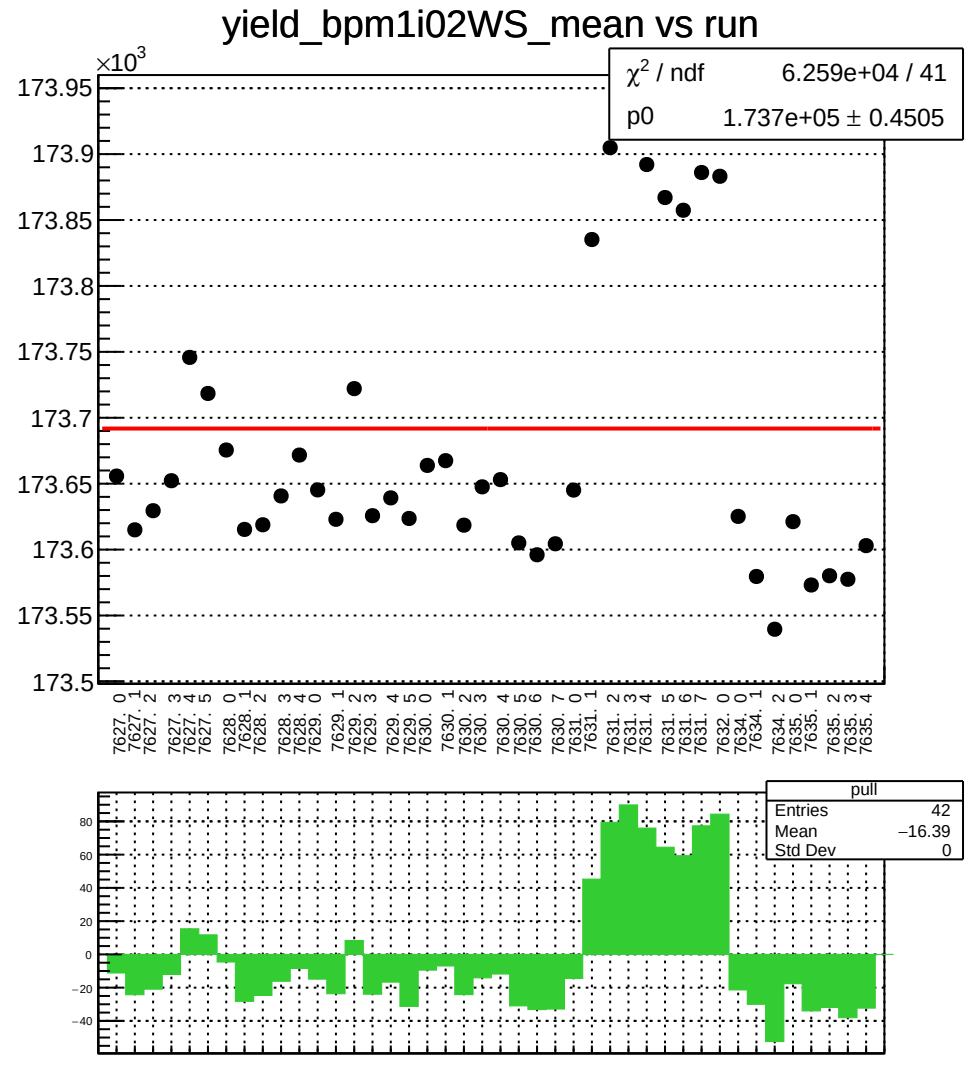

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 5.421e+05 / 41
p0 1.325e+05 ± 0.3971
133
132.8
132.6
132.4
132.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −37.17
Std Dev 0
250
200
150
100
50
0
−50
−100
pull1D
Entries 42
Mean −2.388
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

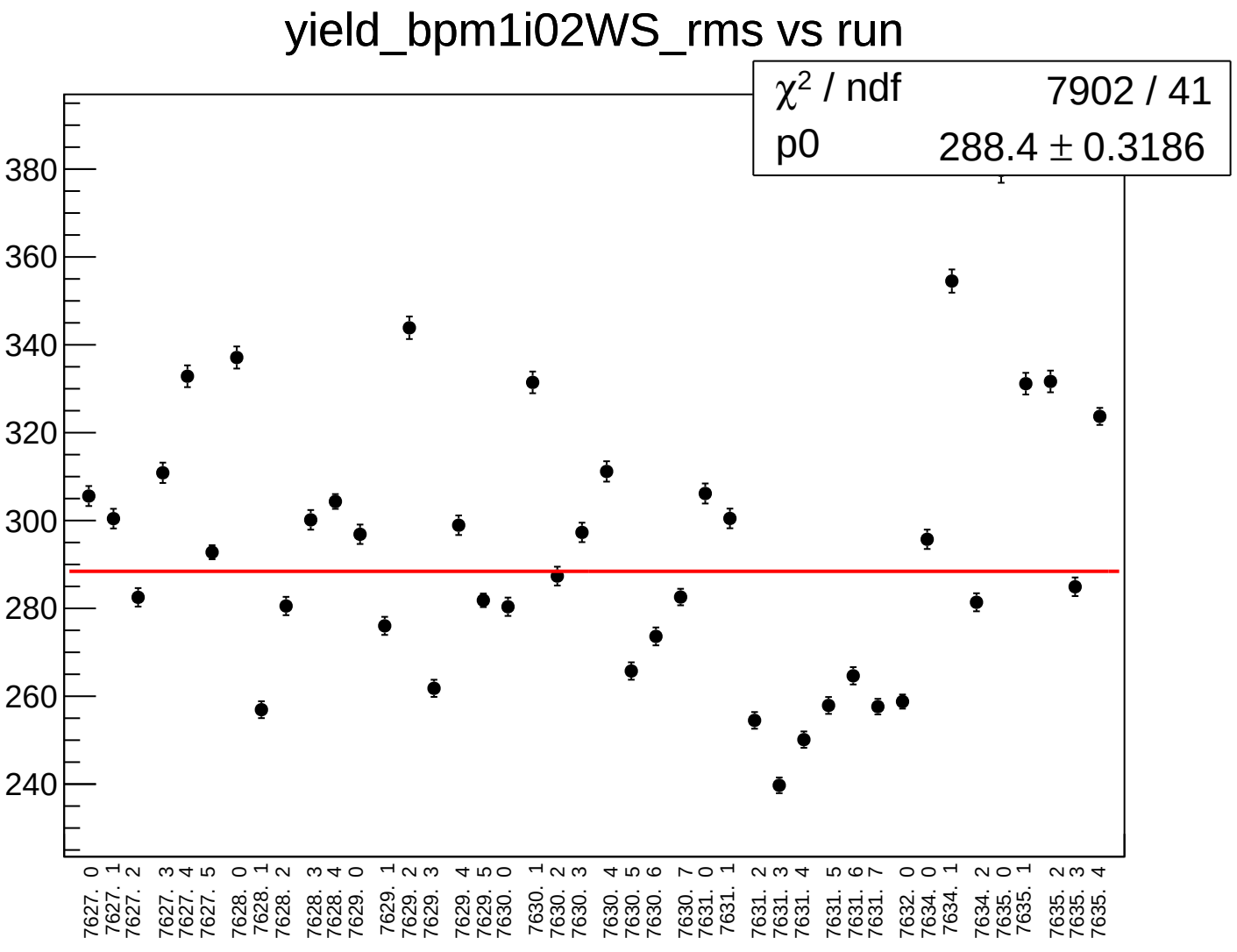

yield_bpm0i05WS_rms vs run
χ² / ndf 2.309e+04 / 41
p0 251.9 ± 0.2808
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

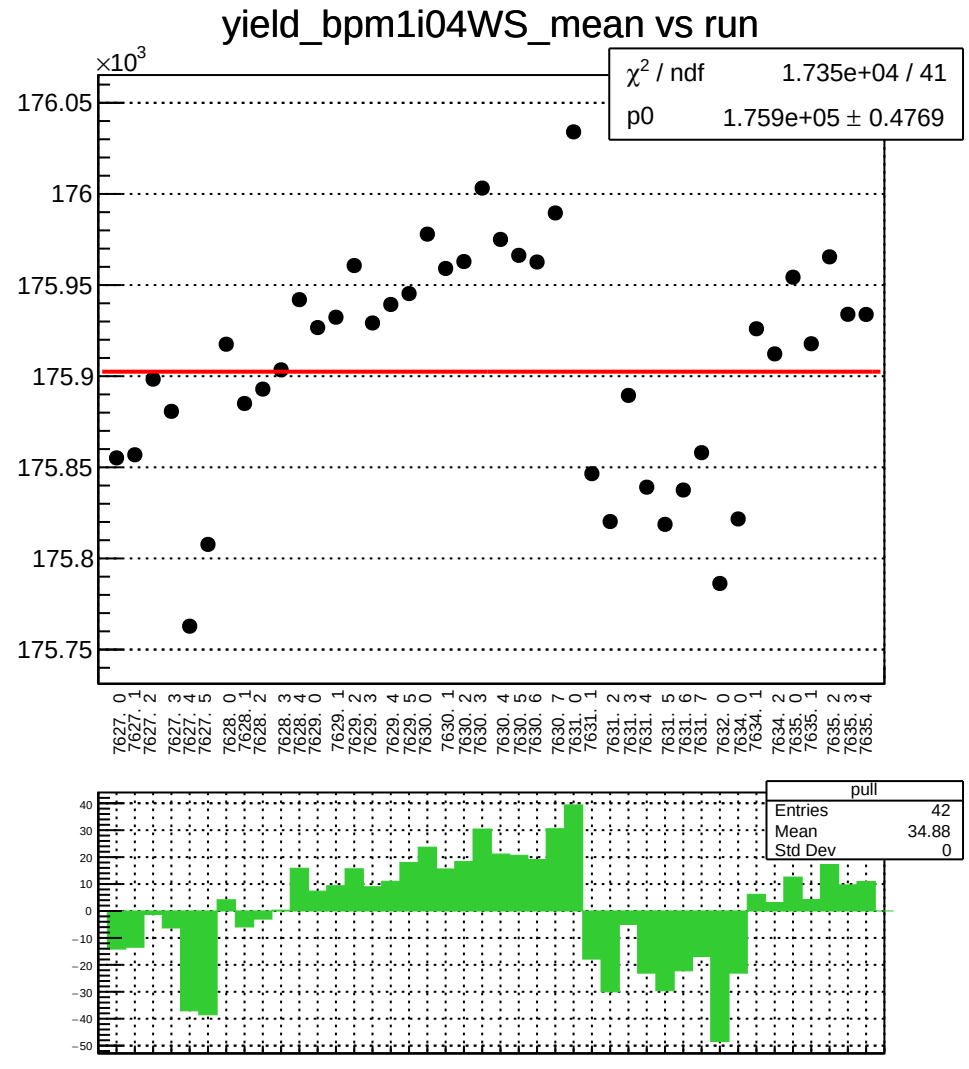

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.631e+04 / 41
p0 1.307e+05 ± 0.4472
130.8
130.75
130.7
130.65
130.6
130.55
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117.4
Std Dev 0
60
40
20
0
−20
−40

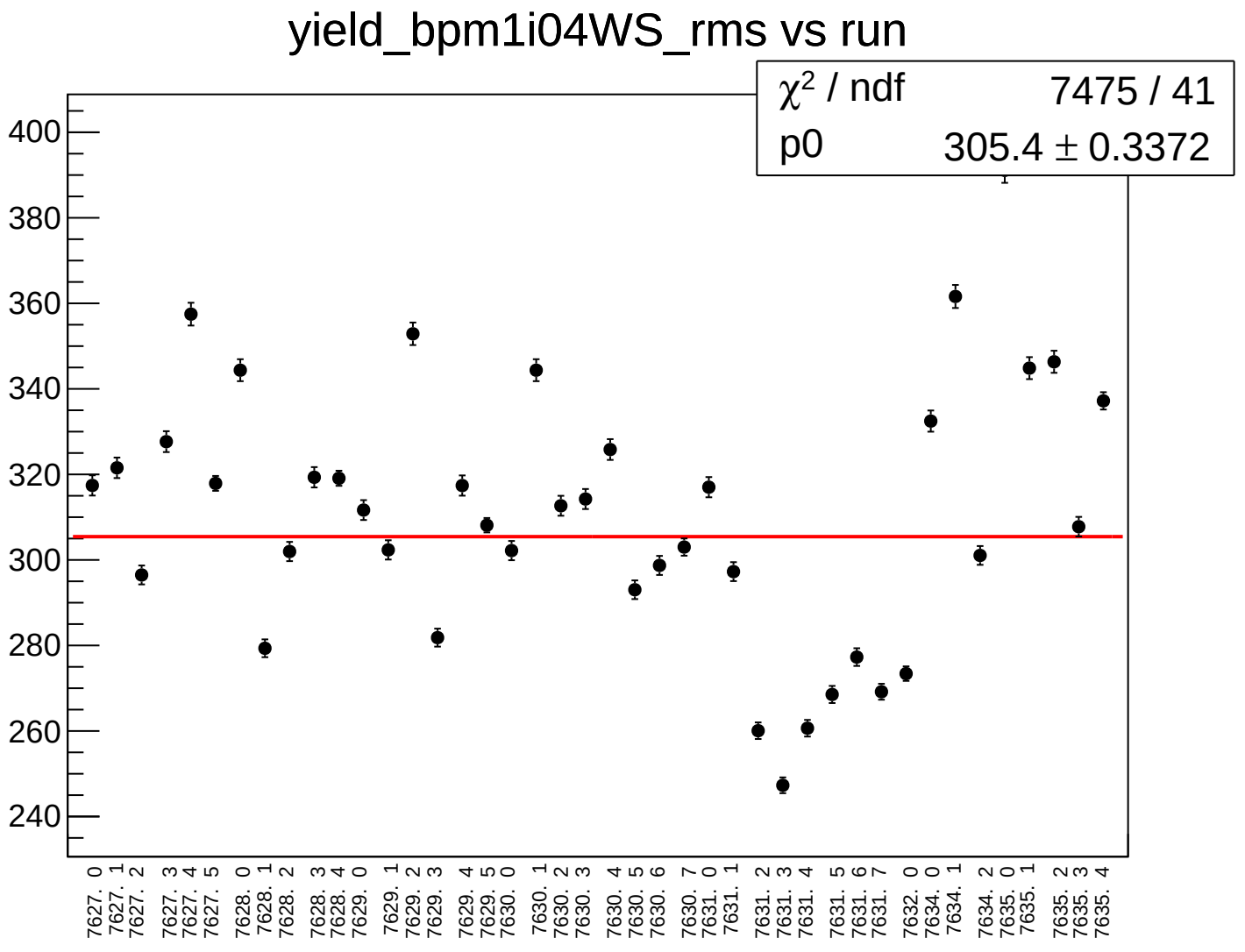

pull1D
Entries 42
Mean −0.521
Std Dev 3.107
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

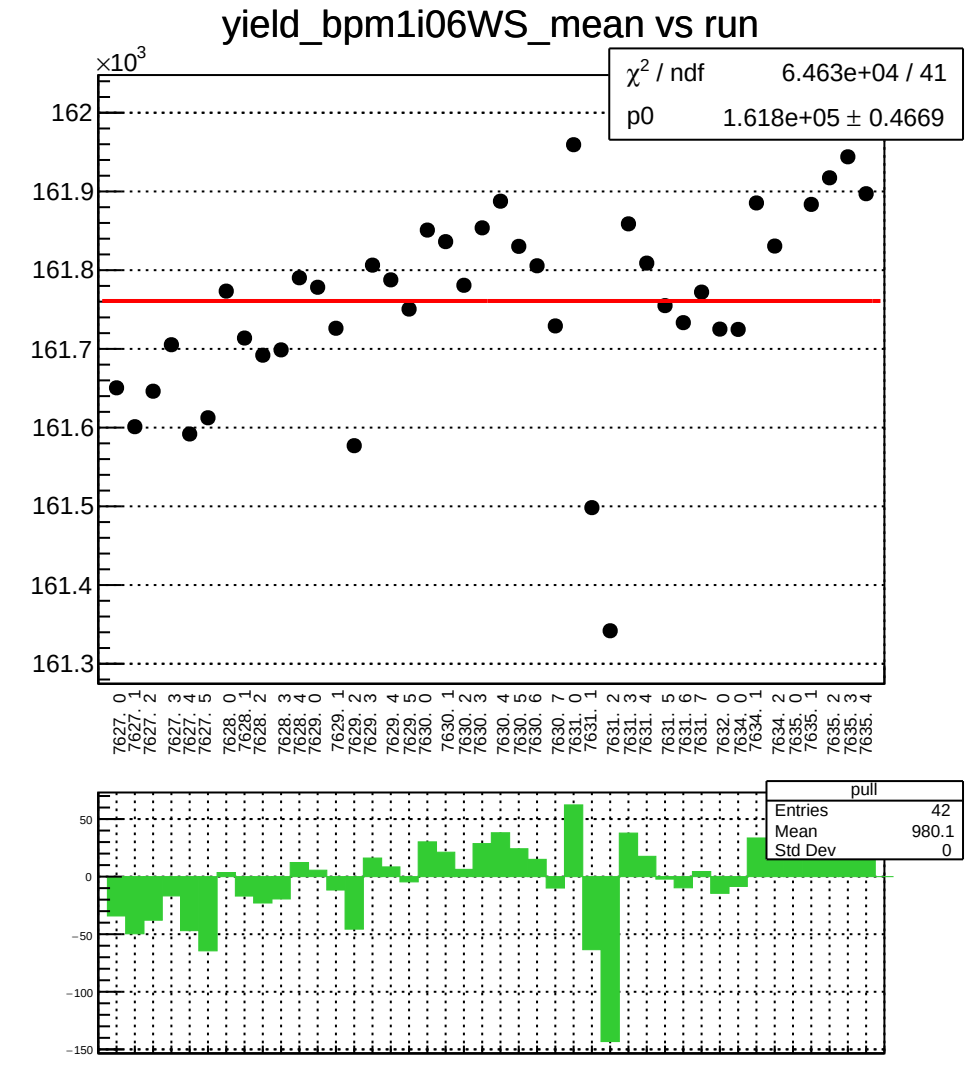

yield_bpm0i07WS_rms vs run
χ² / ndf 5106 / 41
p0 286.8 ± 0.3162
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

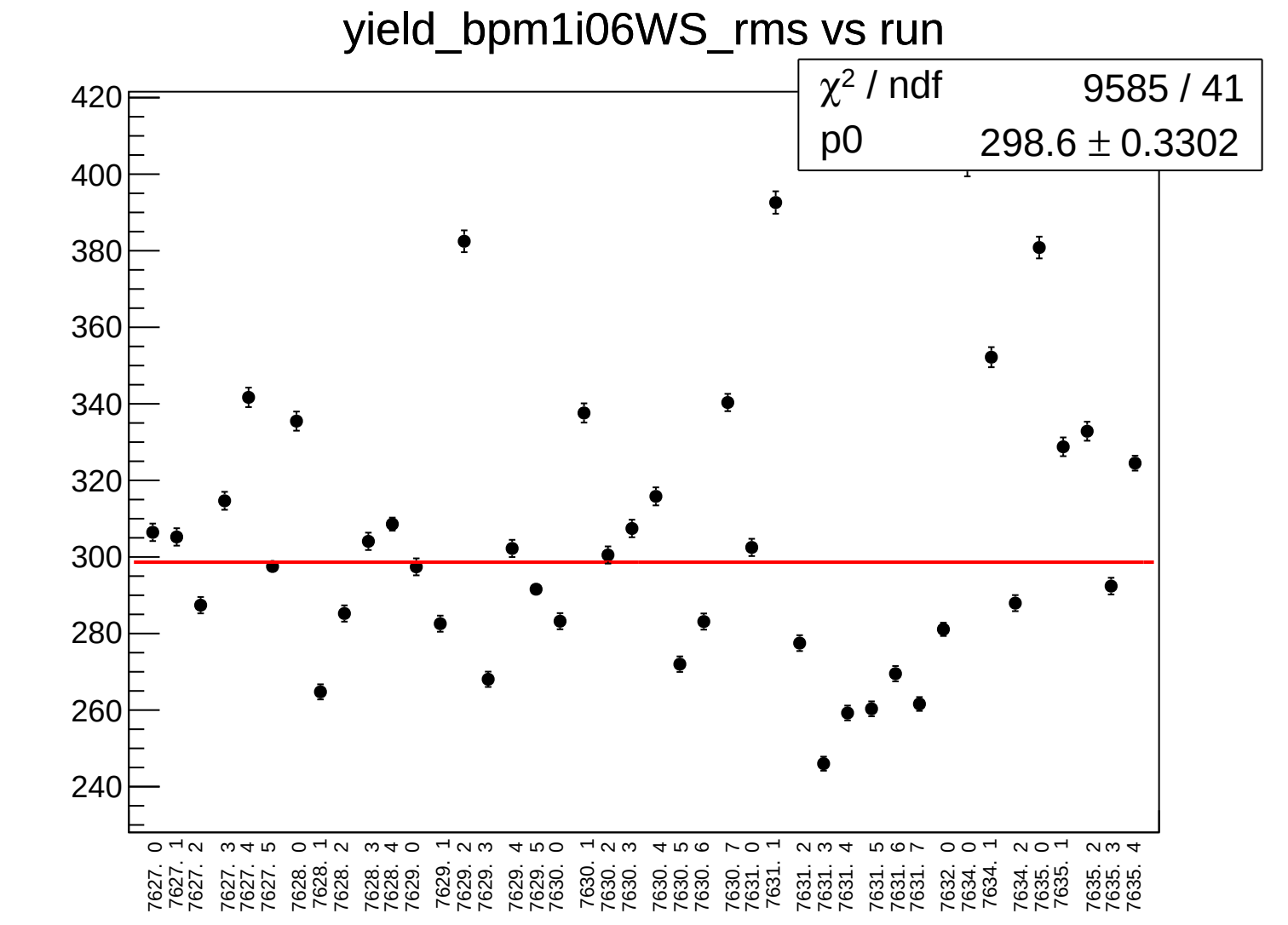

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 6.259e+04 / 41
p0 1.737e+05 ± 0.4505
173.95
173.9
173.85
173.8
173.75
173.7
173.65
173.6
173.55
173.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −16.39
Std Dev 0
80
60
40
20
0
−20
−40
pull1D
Entries 42
Mean −5.775
Std Dev 1.195
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

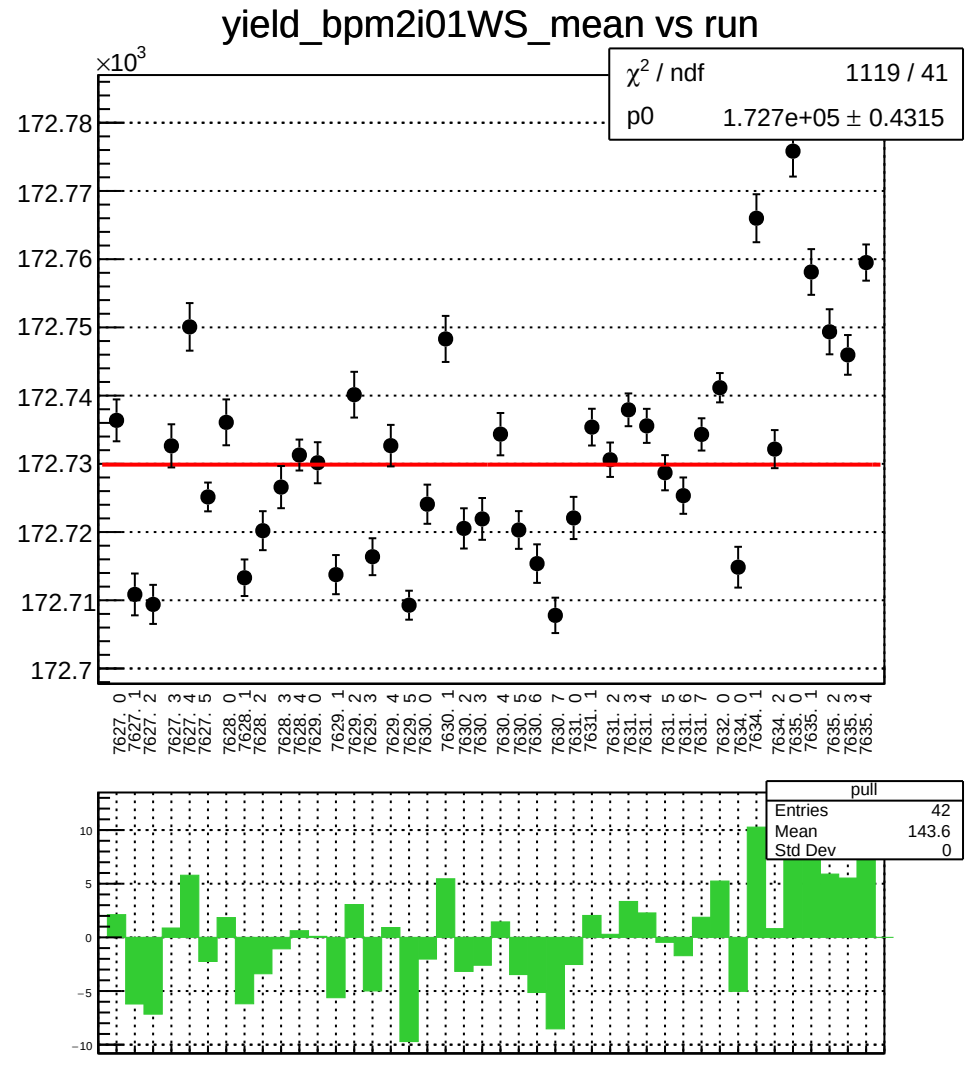

yield_bpm1i02WS_rms vs run
χ² / ndf 7902 / 41
p0 288.4 ± 0.3186
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

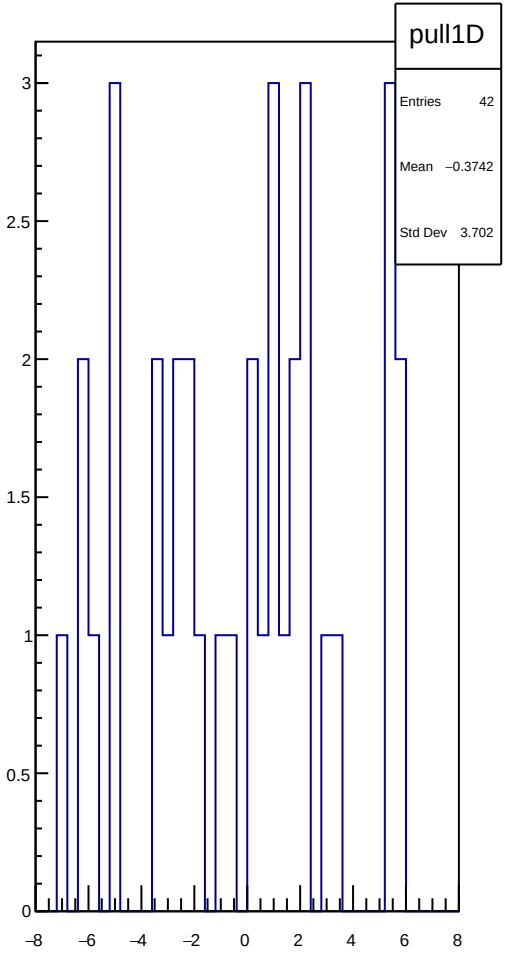

yield_bpm1i04WS_mean vs run
×10^3
χ^2 / ndf 1.735e+04 / 41
p0 1.759e+05 ± 0.4769
176.05
176
175.95
175.9
175.85
175.8
175.75
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.88
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40
−50
pull1D
Entries 42
Mean 0.3491
Std Dev 4.734
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

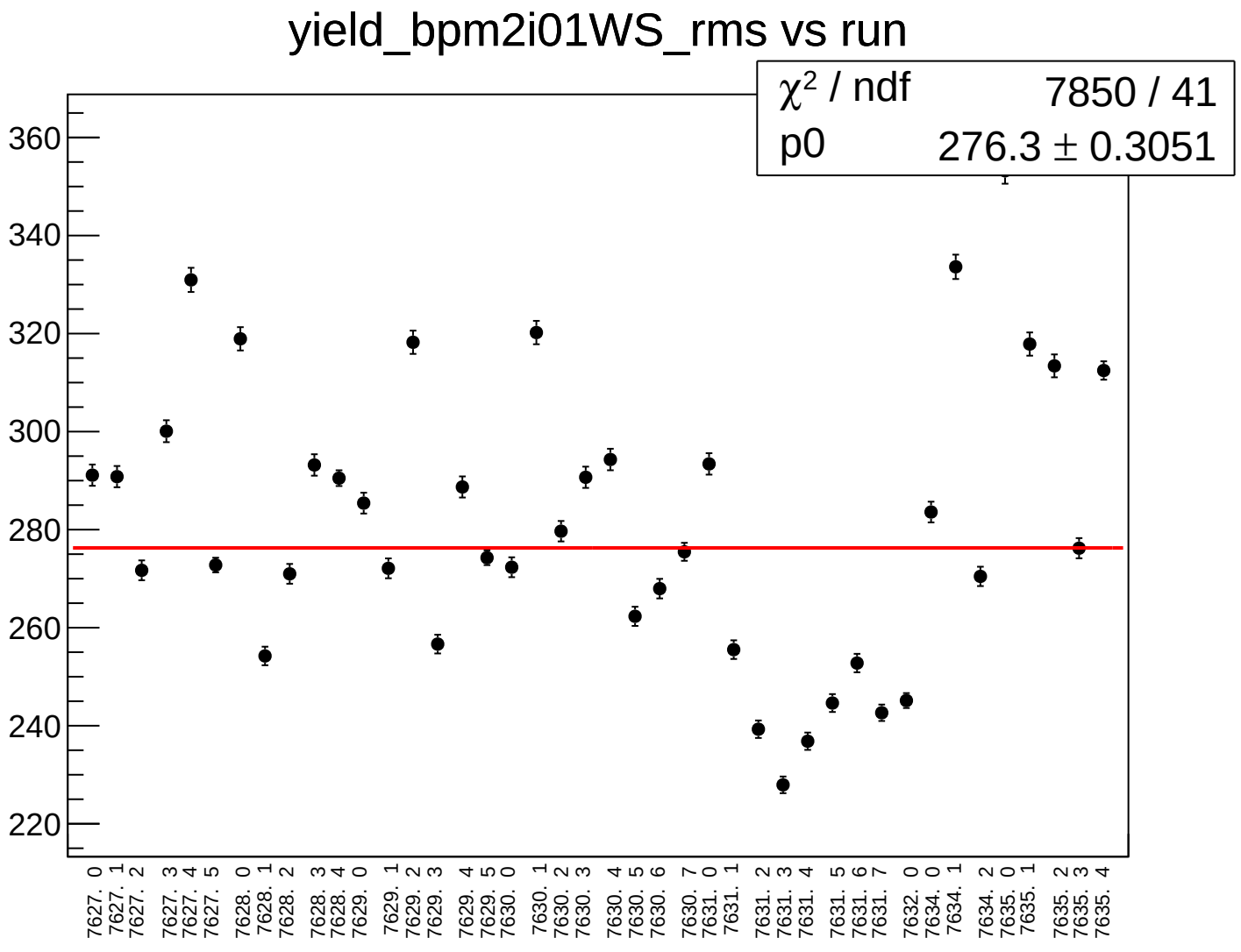

yield_bpm1i04WS_rms vs run
χ² / ndf 7475 / 41
p0 305.4 ± 0.3372
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

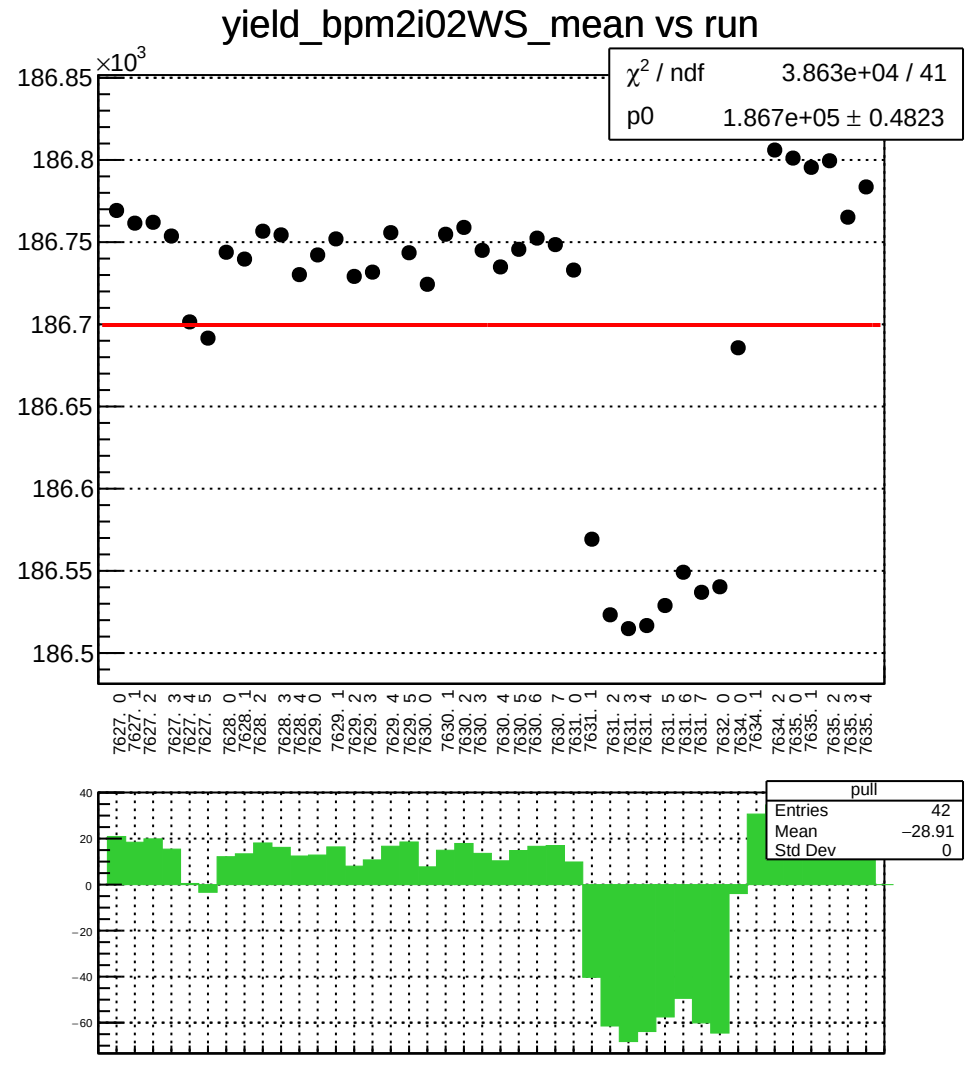

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 6.463e+04 / 41
p0 1.618e+05 ± 0.4669
162
161.9
161.8
161.7
161.6
161.5
161.4
161.3
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 980.1
Std Dev 0
50
0
−50
−100
−150
pull1D
Entries 42
Mean 2.189
Std Dev 4.069
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

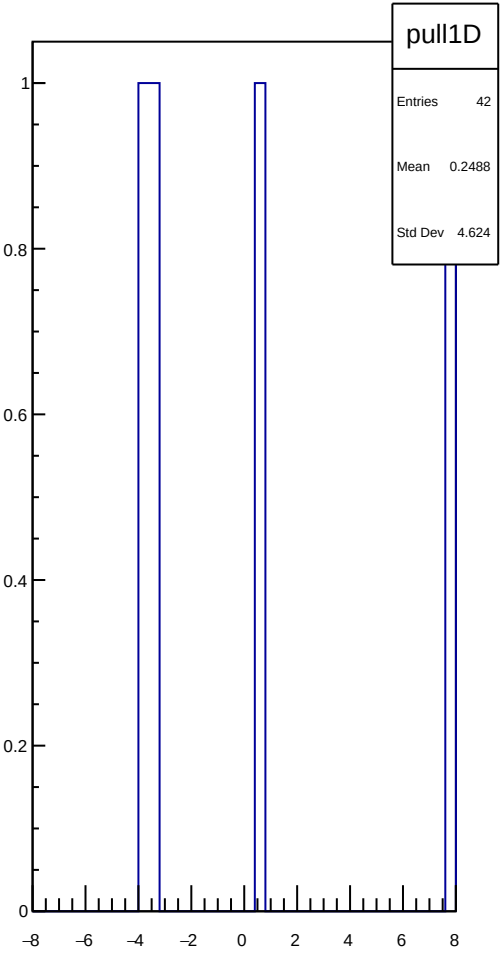

yield_bpm1i06WS_rms vs run
χ² / ndf 9585 / 41
p0 298.6 ± 0.3302
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

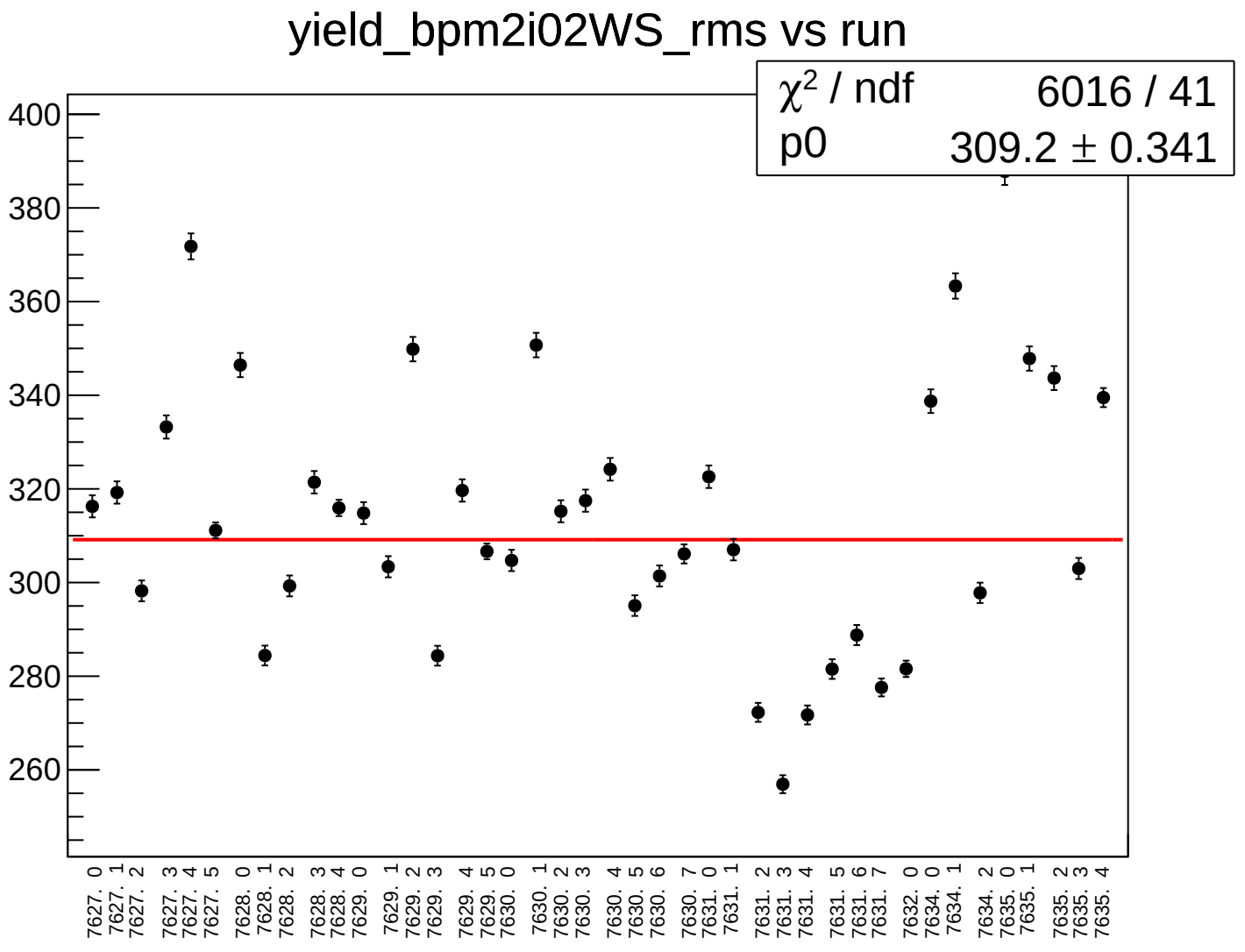

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1119 / 41
p0 1.727e+05 ± 0.4315
172.78
172.77
172.76
172.75
172.74
172.73
172.72
172.71
172.7
pull
Entries 42
Mean 143.6
Std Dev 0
10
5
0
−5
−10

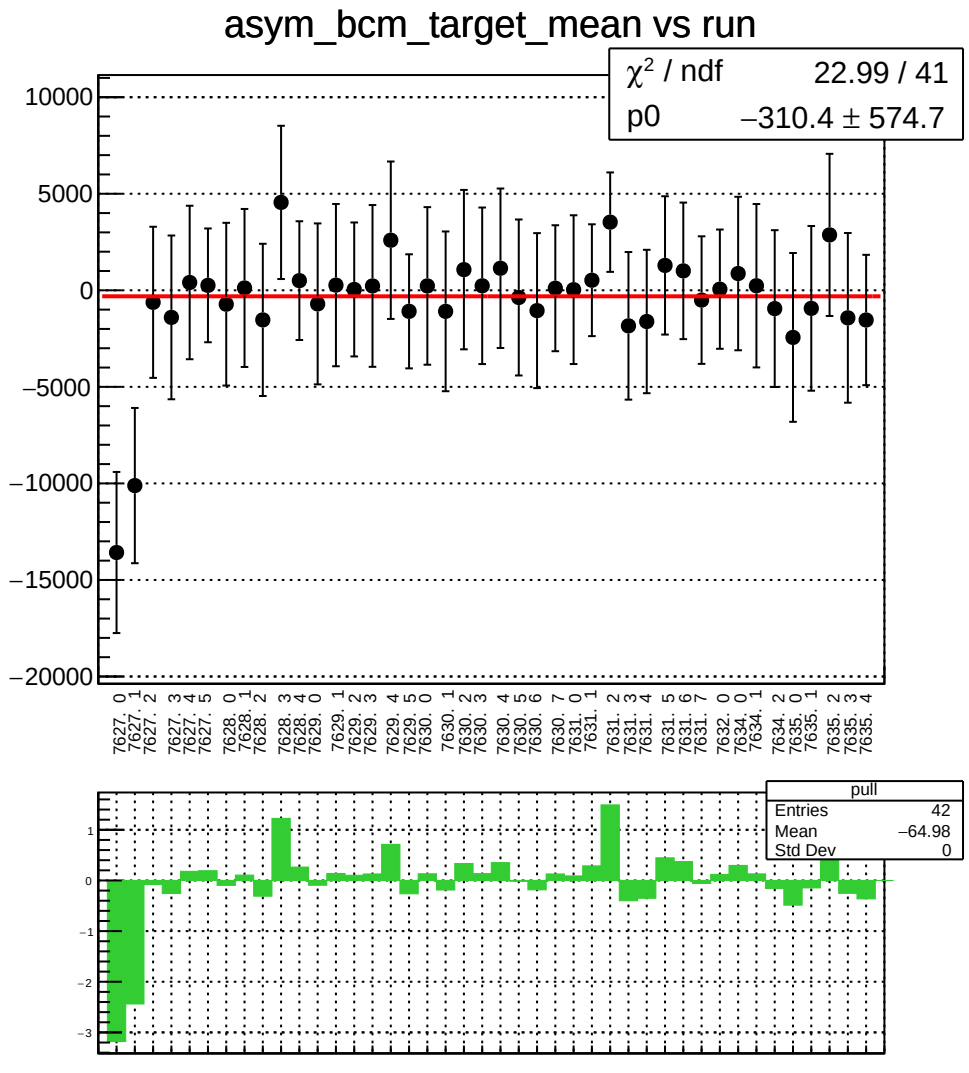

pull1D
Entries 42
Mean −0.3742
Std Dev 3.702
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

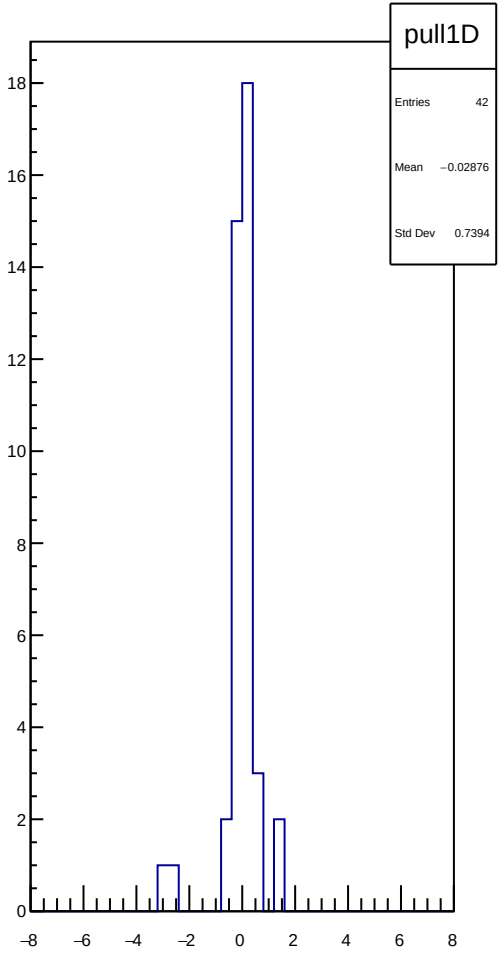

yield_bpm2i01WS_rms vs run
χ² / ndf 7850 / 41
p0 276.3 ± 0.3051
360
340
320
300
280
260
240
220
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

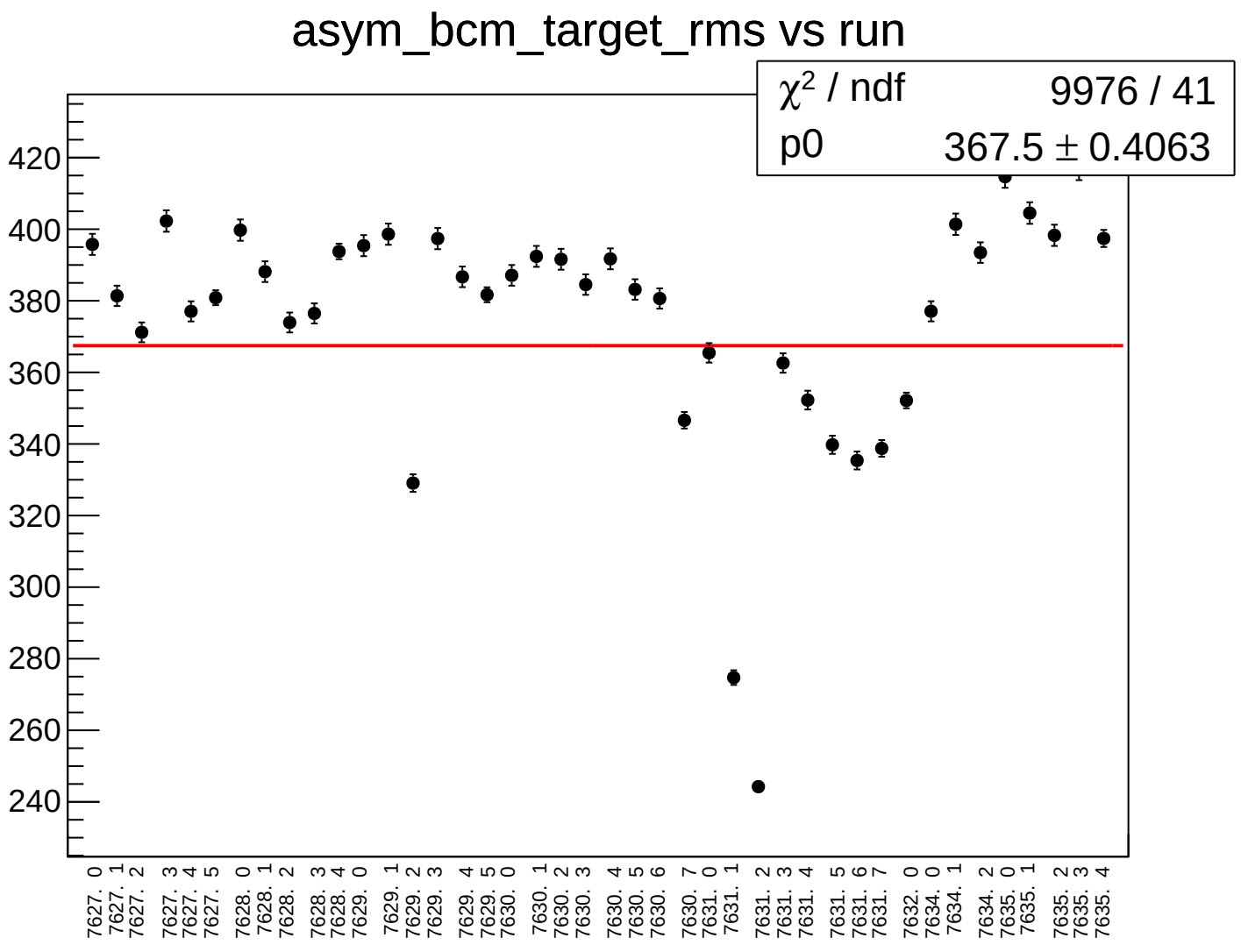

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 3.863e+04 / 41
p0 1.867e+05 ± 0.4823
186.85
186.8
186.75
186.7
186.65
186.6
186.55
186.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.91
Std Dev 0
40
20
0
−20
−40
−60

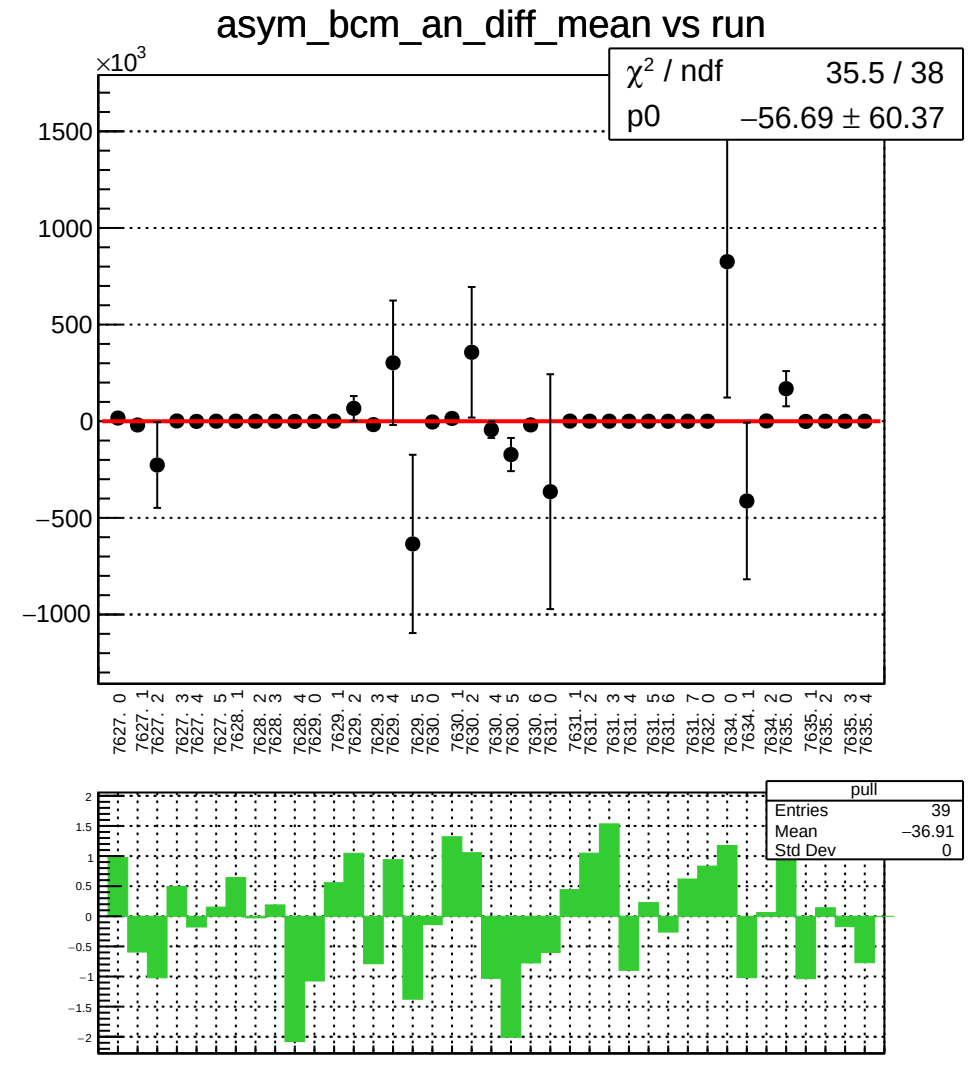

pull1D
Entries 42
Mean 0.2488
Std Dev 4.624
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

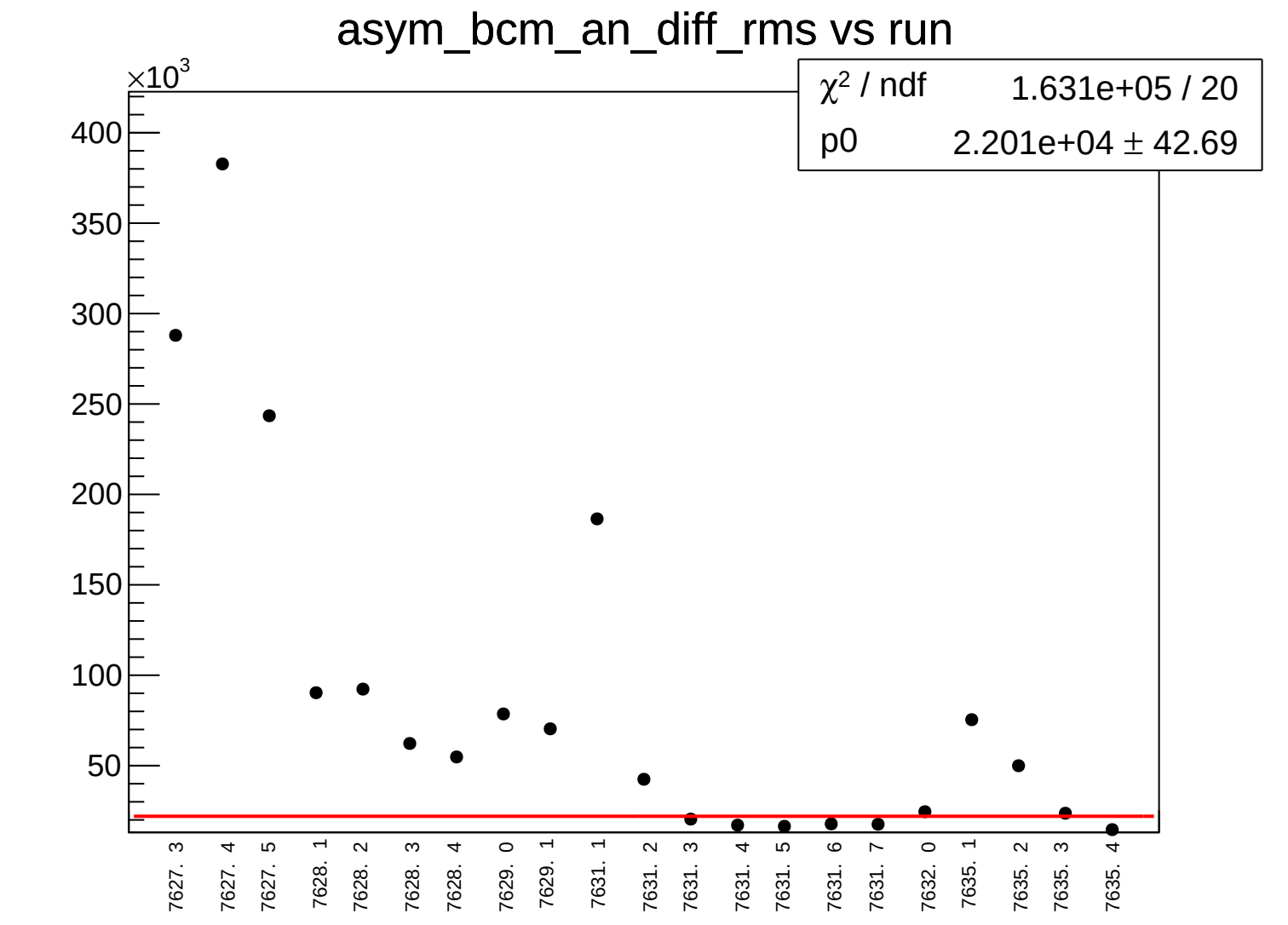

yield_bpm2i02WS_rms vs run
χ² / ndf 6016 / 41
p0 309.2 ± 0.341
400
380
360
340
320
300
280
260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

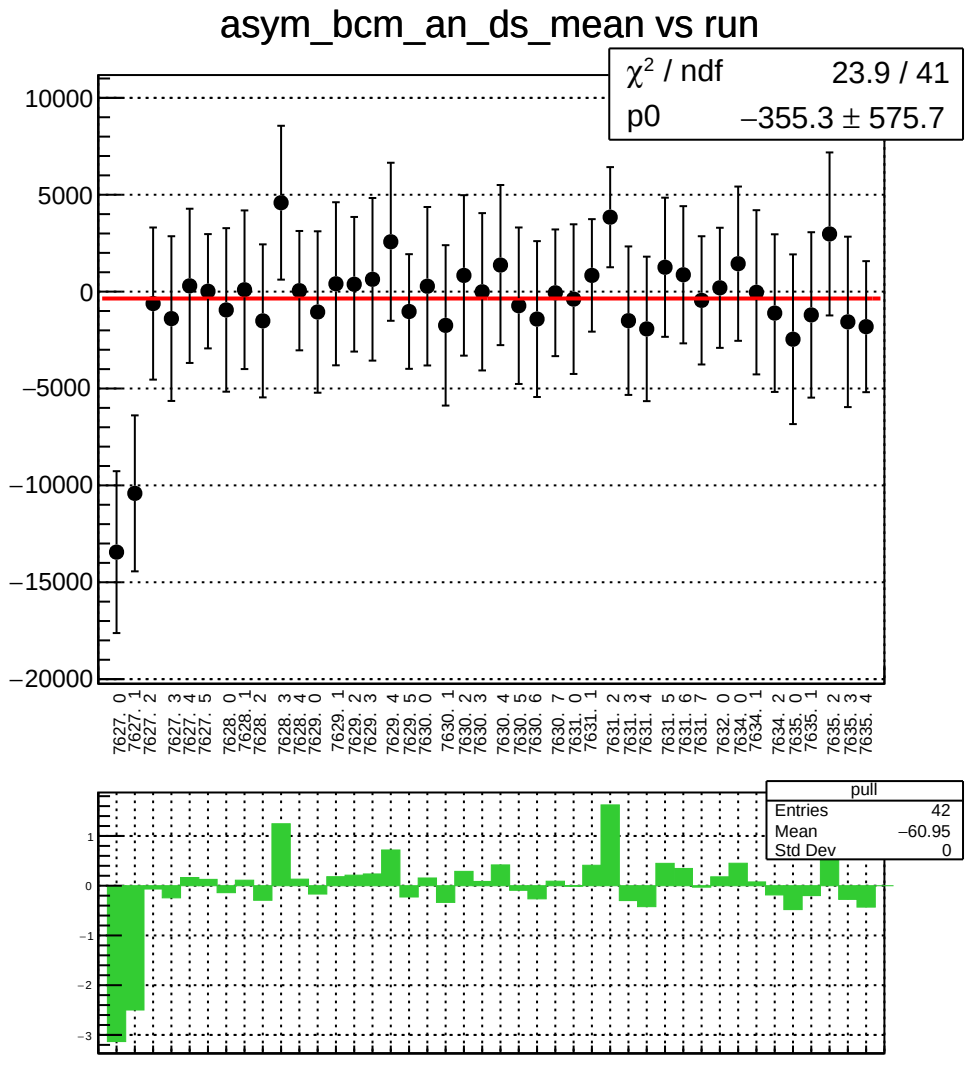

asym_bcm_target_mean vs run
χ² / ndf 22.99 / 41
p0 −310.4 ± 574.7
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −64.98
Std Dev 0
1
0
−1
−2
−3

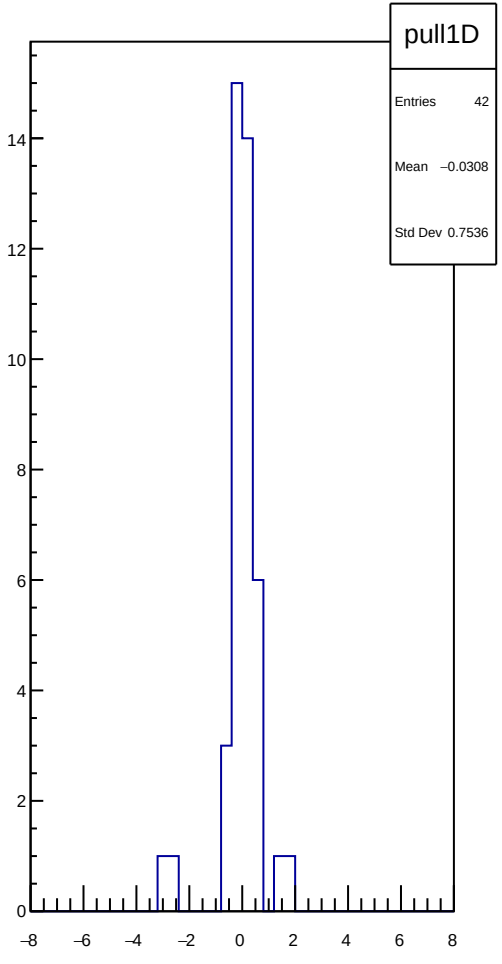

pull1D
Entries 42
Mean −0.02876
Std Dev 0.7394
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

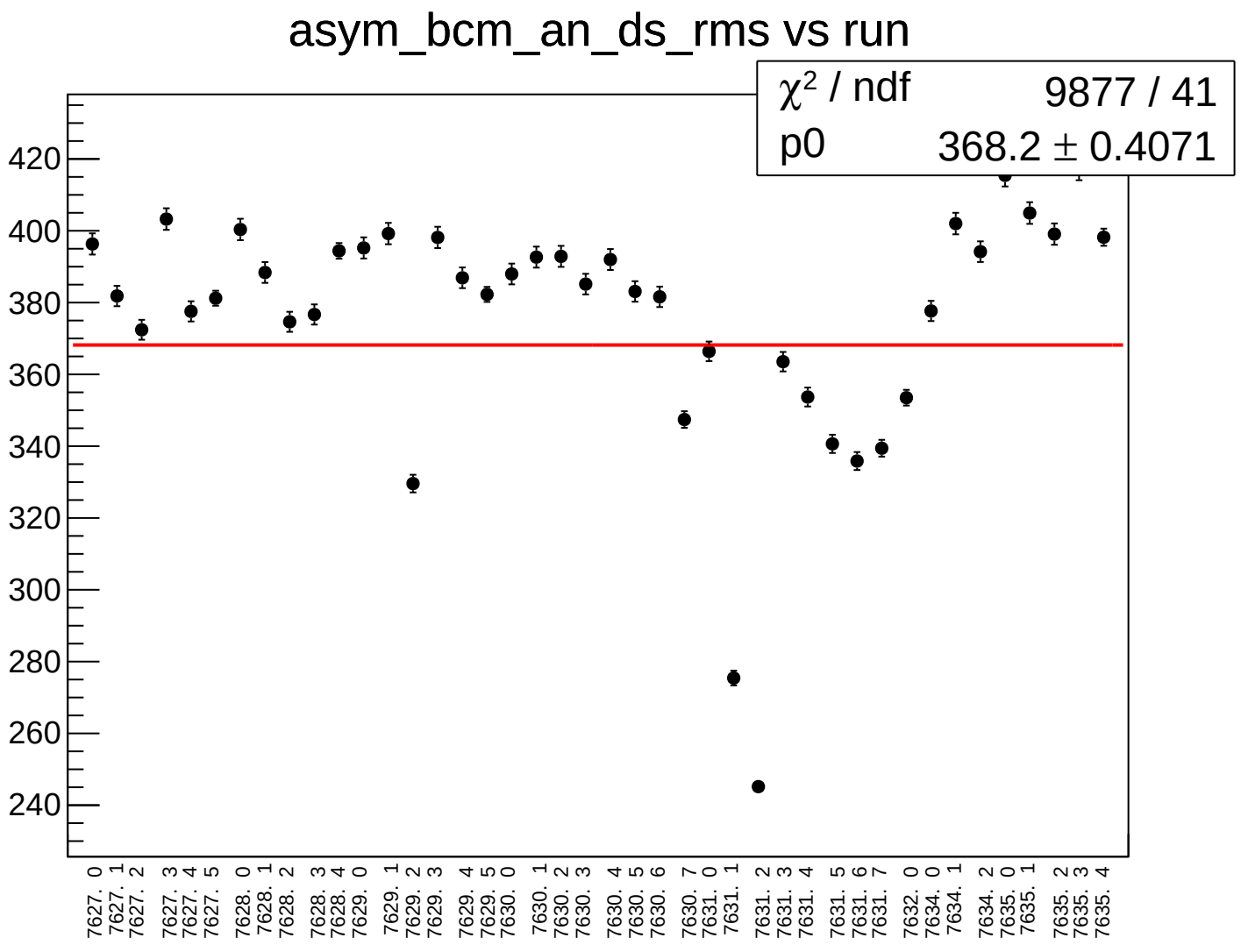

asym_bcm_target_rms vs run
χ² / ndf 9976 / 41
p0 367.5 ± 0.4063
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

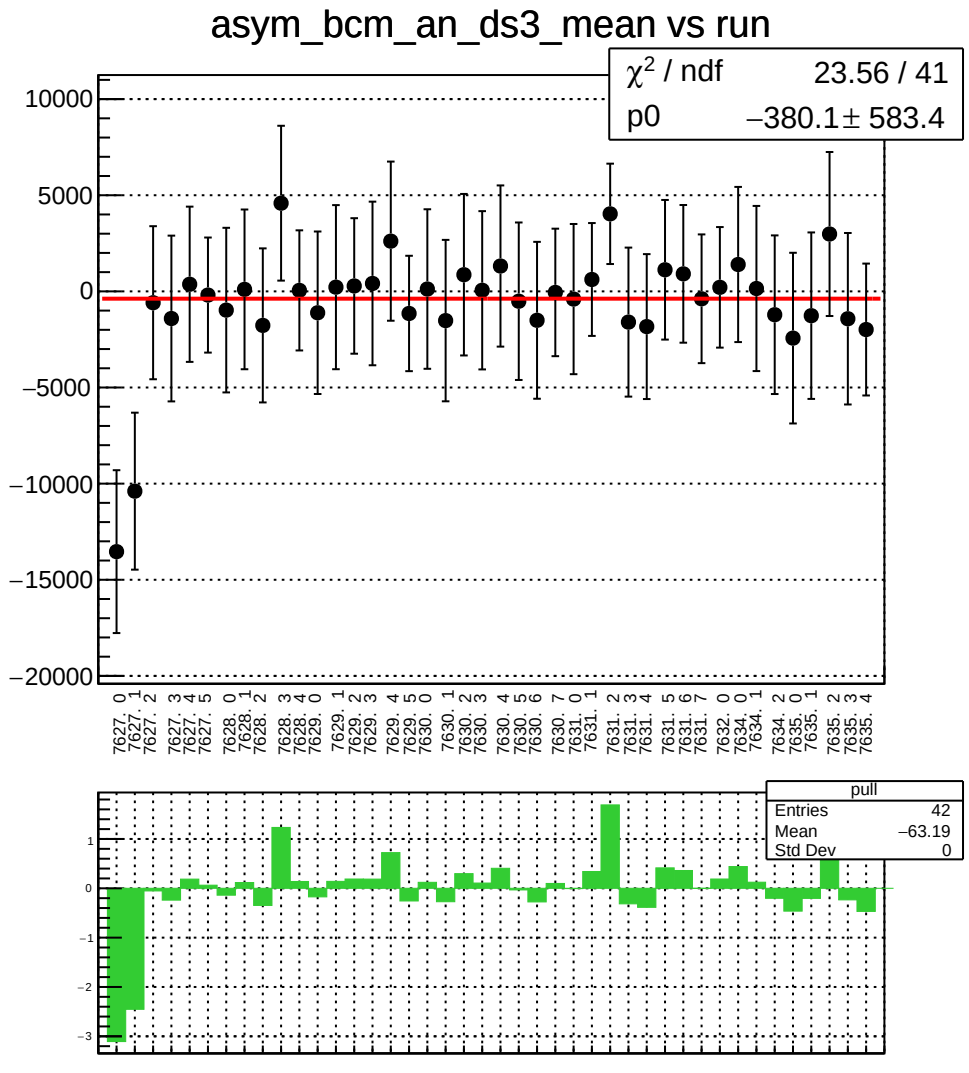

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 35.5 / 38
p0 −56.69 ± 60.37
1500
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 4
7630. 5
7630. 6
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 39
Mean −36.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 39
Mean −0.01358
Std Dev 0.954
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

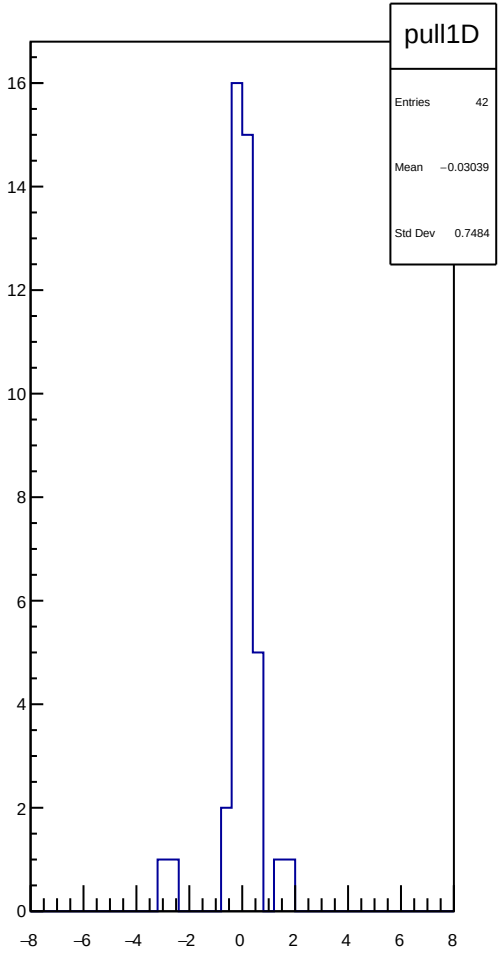

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 1.631e+05 / 20
p0 2.201e+04 ± 42.69
400
350
300
250
200
150
100
50
7627. 3
7627. 4
7627. 5
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7635. 1
7635. 2
7635. 3
7635. 4

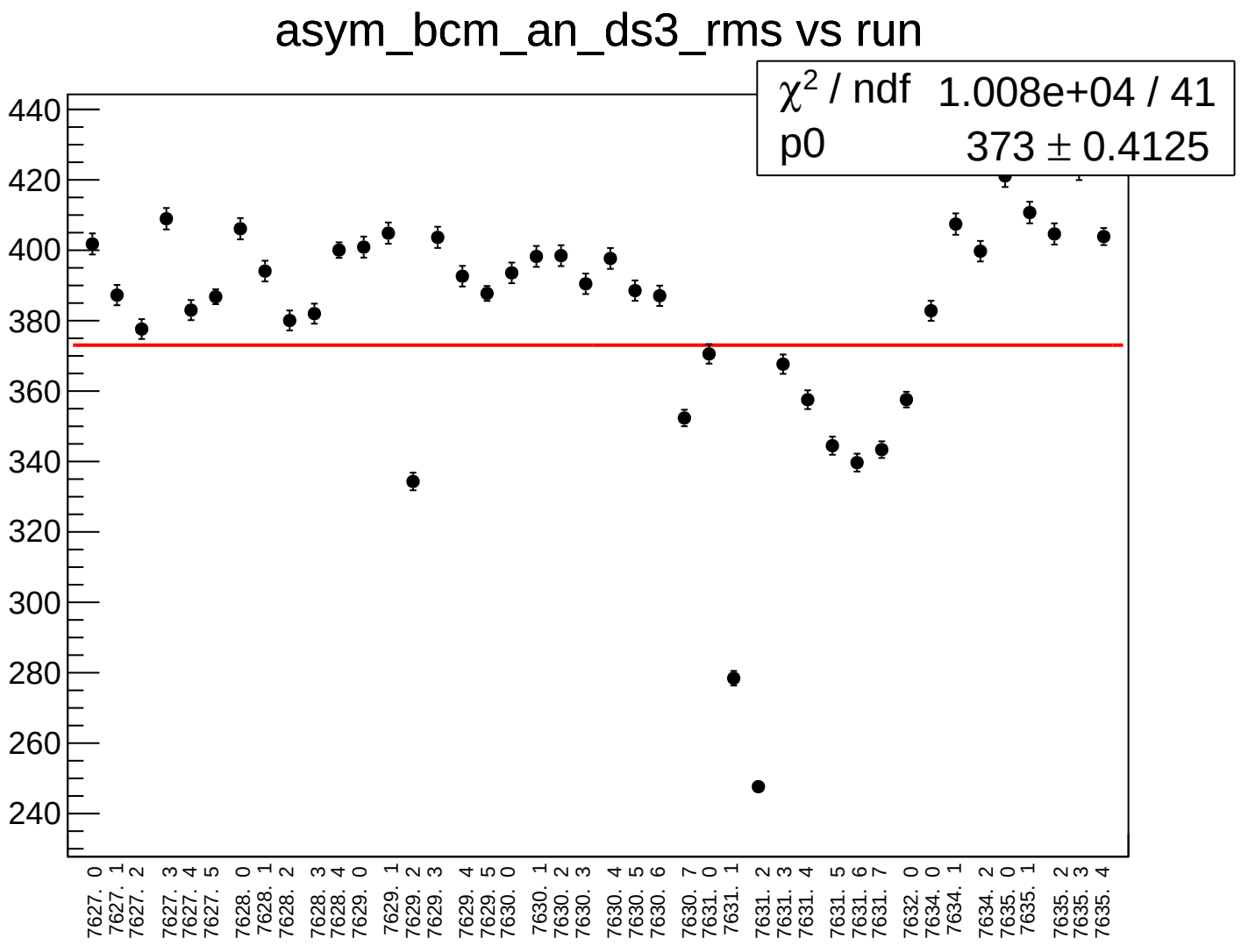

asym_bcm_an_ds_mean vs run
χ² / ndf 23.9 / 41
p0 −355.3 ± 575.7
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −60.95
Std Dev 0
1
0
−1
−2
−3

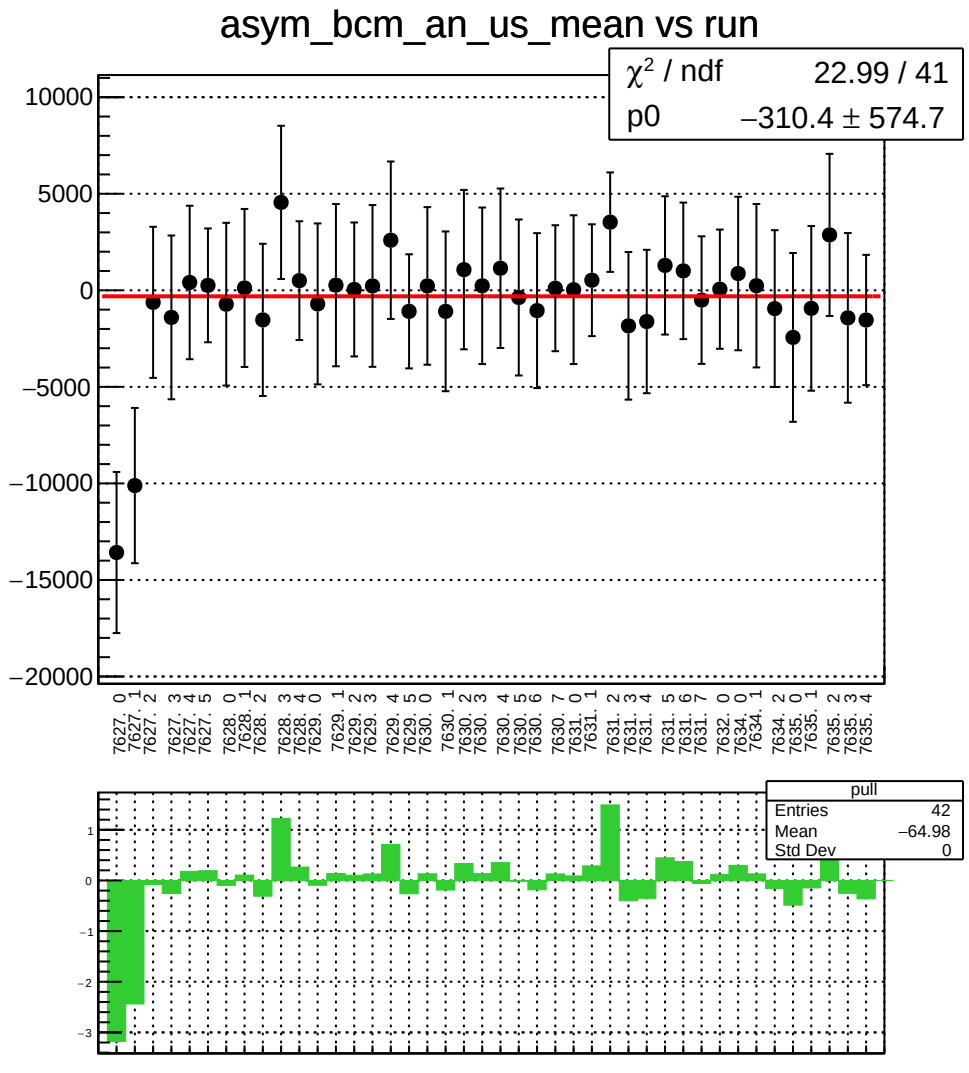

pull1D
Entries 42
Mean −0.0308
Std Dev 0.7536
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

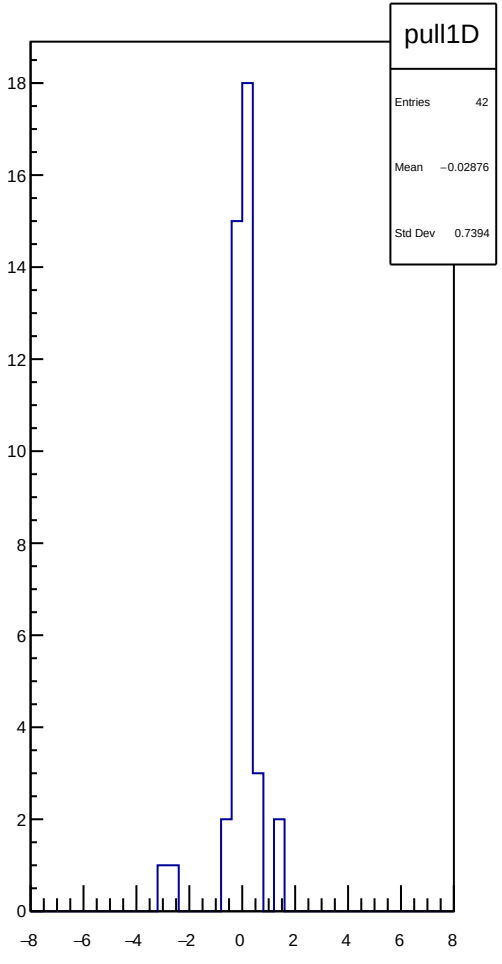

asym_bcm_an_ds_rms vs run
χ² / ndf 9877 / 41
p0 368.2 ± 0.4071
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

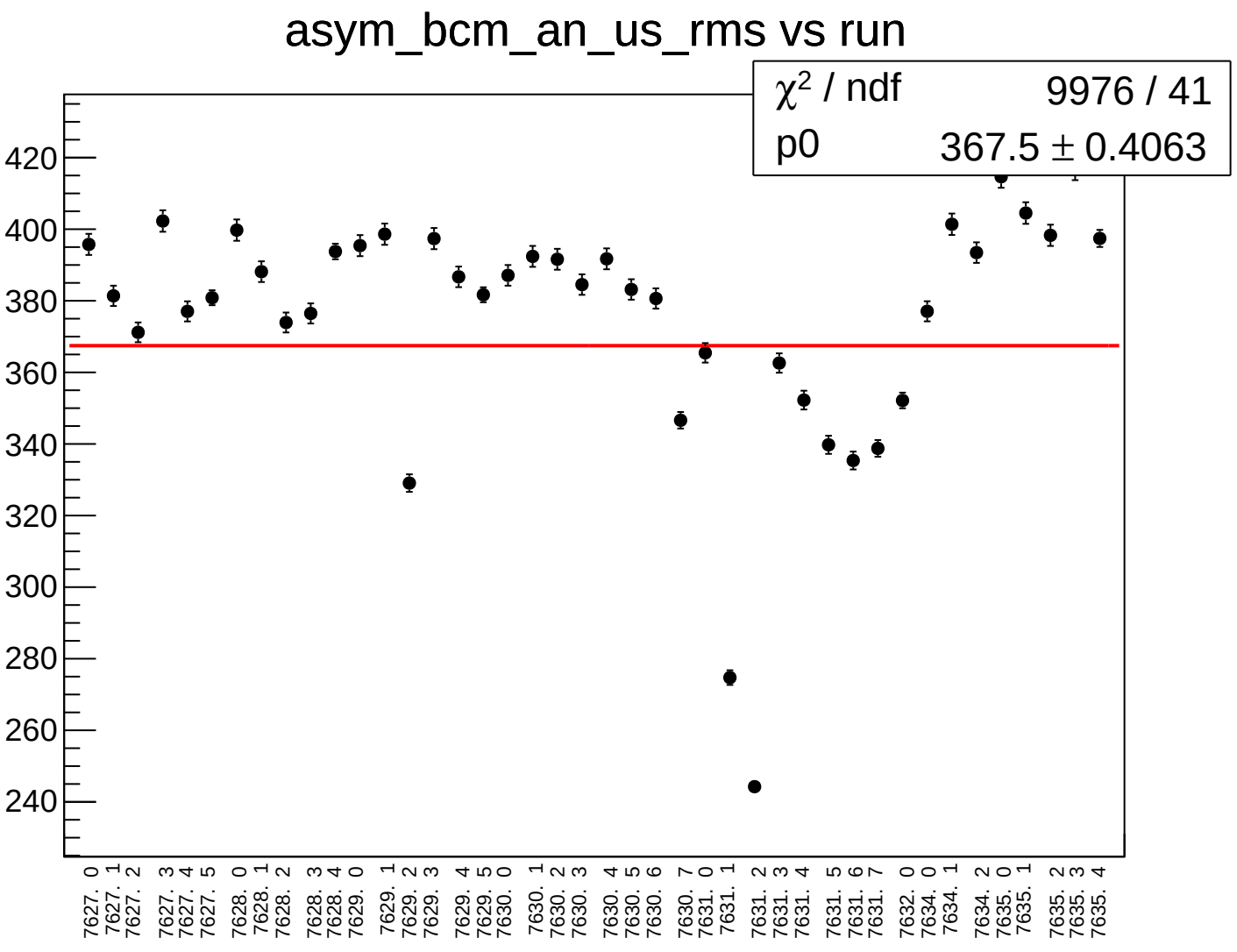

asym_bcm_an_ds3_mean vs run
χ² / ndf 23.56 / 41
p0 −380.1 ± 583.4
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −63.19
Std Dev 0
1
0
−1
−2
−3

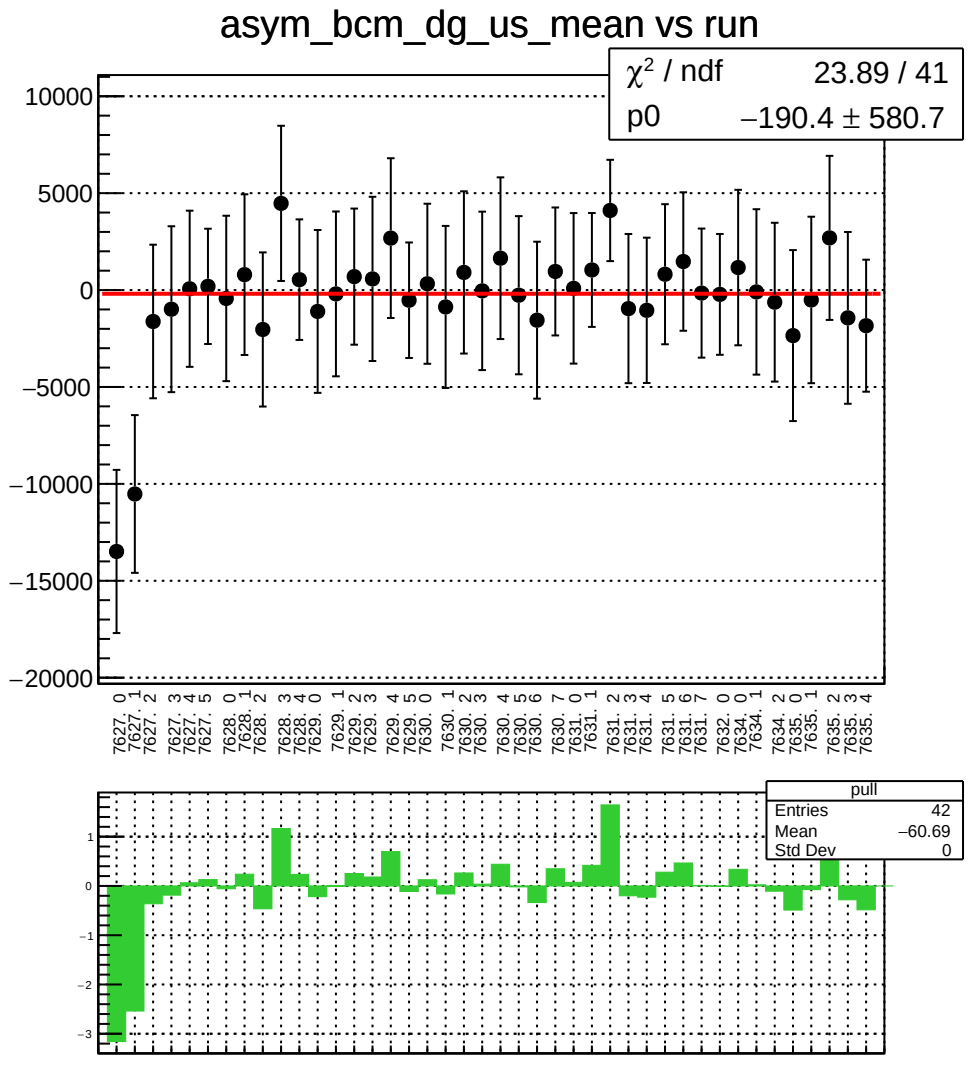

pull1D
Entries 42
Mean −0.03039
Std Dev 0.7484
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

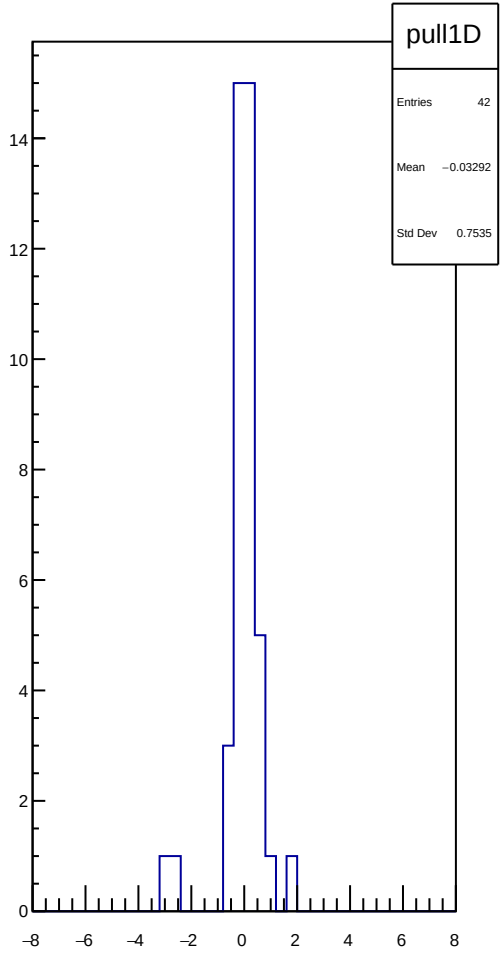

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 1.008e+04 / 41
p0 373 ± 0.4125
440
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

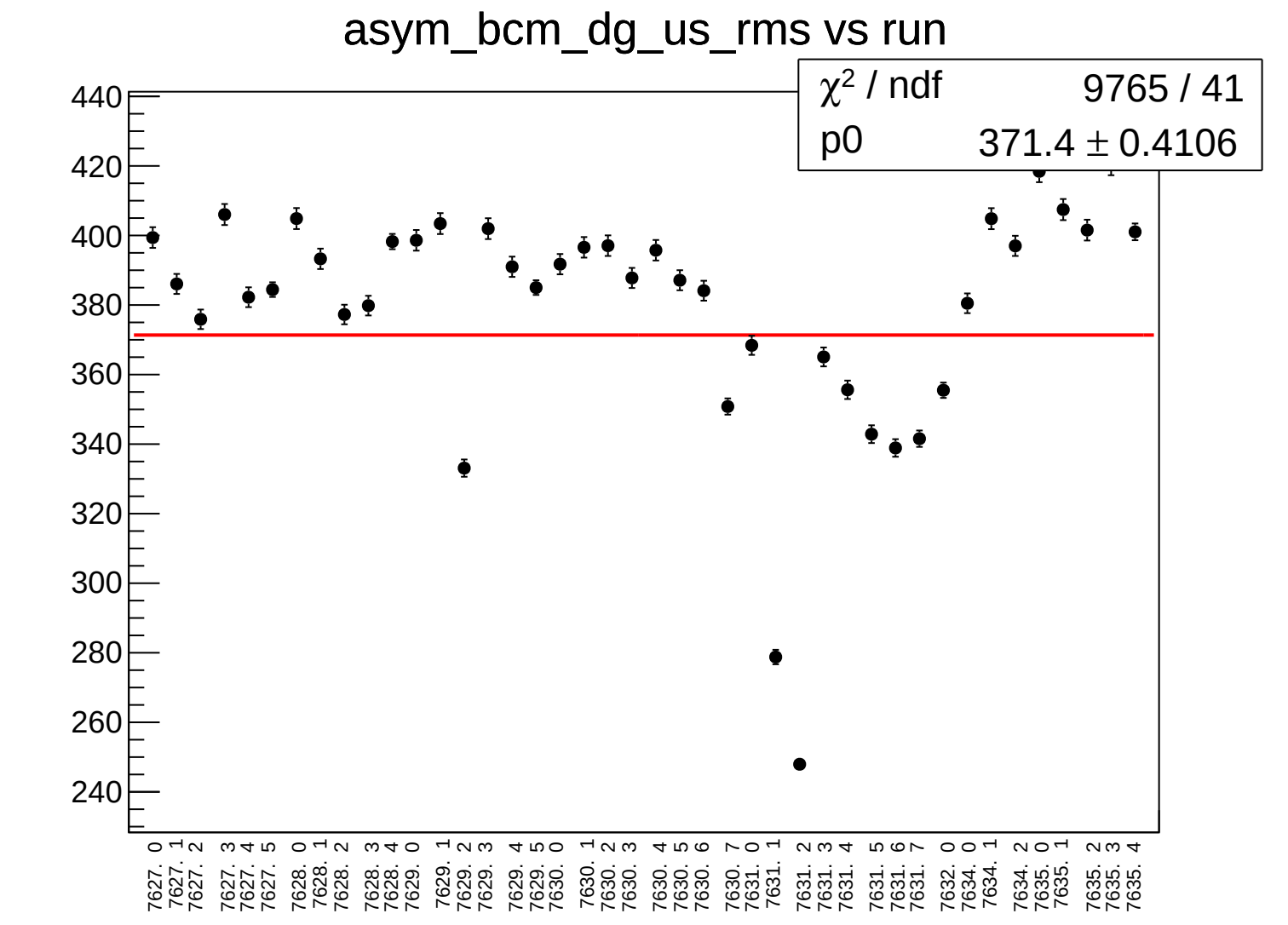

asym_bcm_an_us_mean vs run
χ² / ndf 22.99 / 41
p0 −310.4 ± 574.7
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −64.98
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.02876
Std Dev 0.7394
18
16
14
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 9976 / 41
p0 367.5 ± 0.4063
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_bcm_dg_us_mean vs run
χ² / ndf 23.89 / 41
p0 −190.4 ± 580.7
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −60.69
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.03292
Std Dev 0.7535
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_rms vs run
χ² / ndf 9765 / 41
p0 371.4 ± 0.4106
440
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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7634. 0
7634. 1
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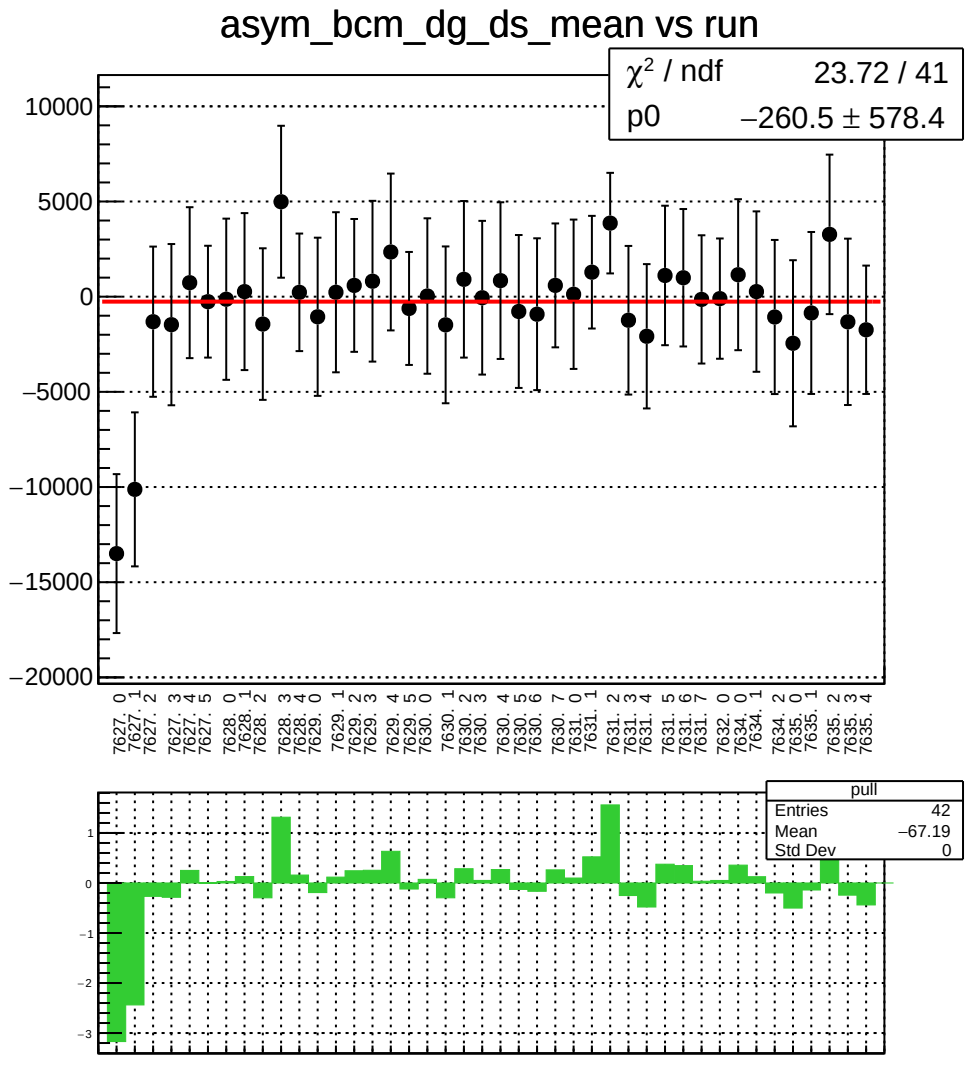
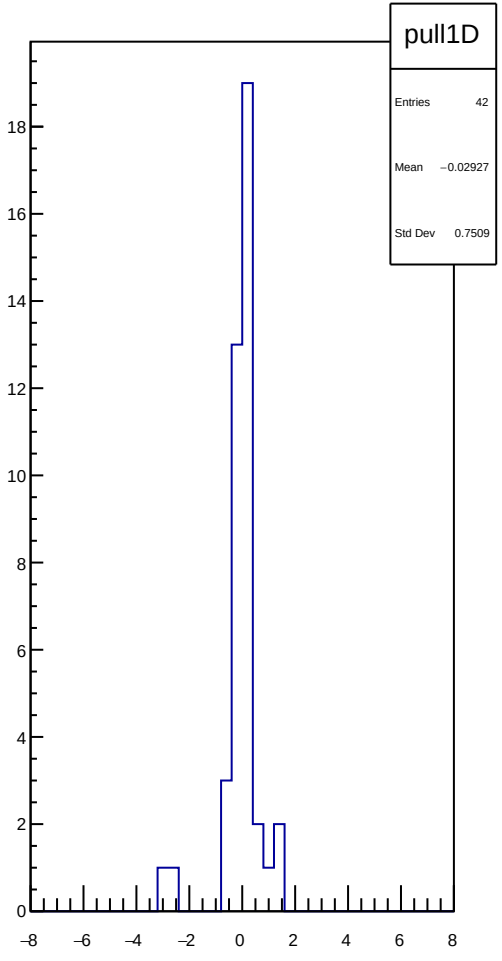
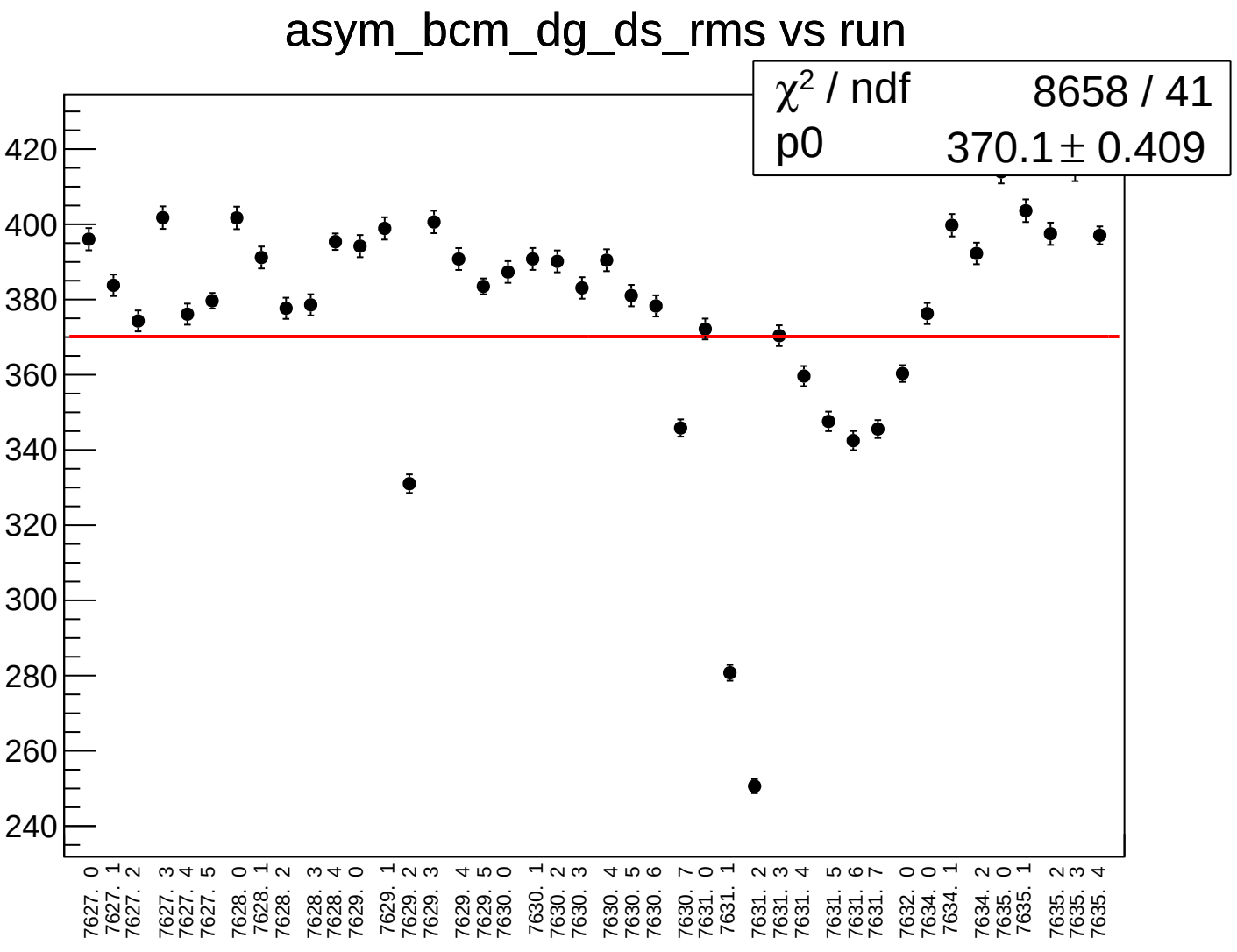
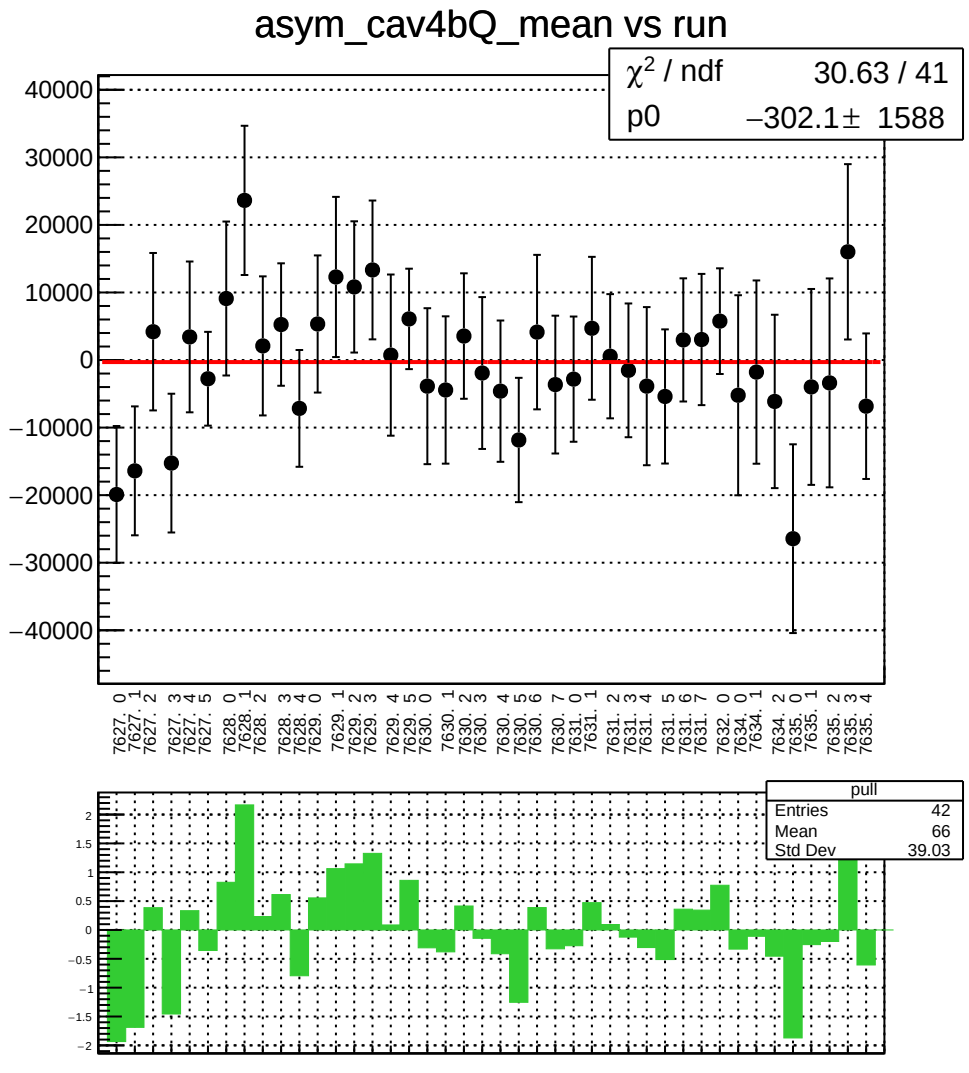
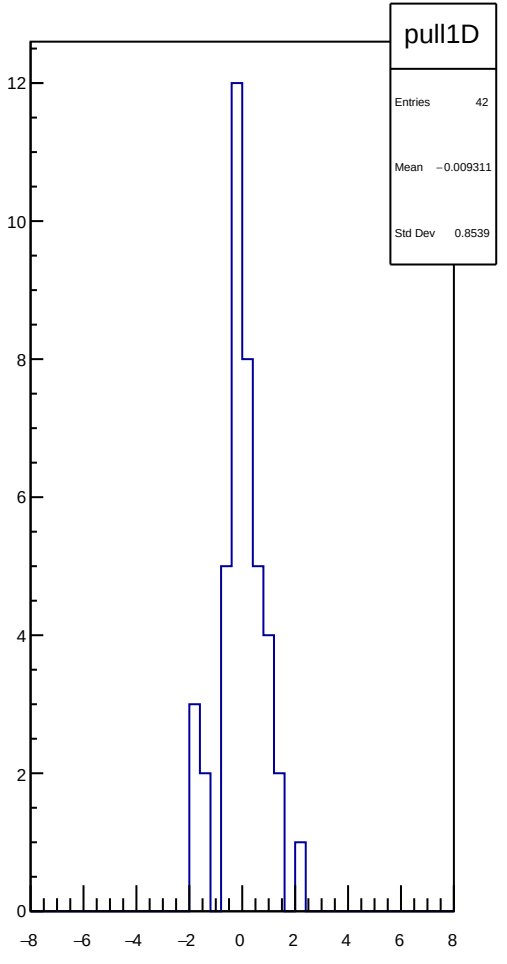
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

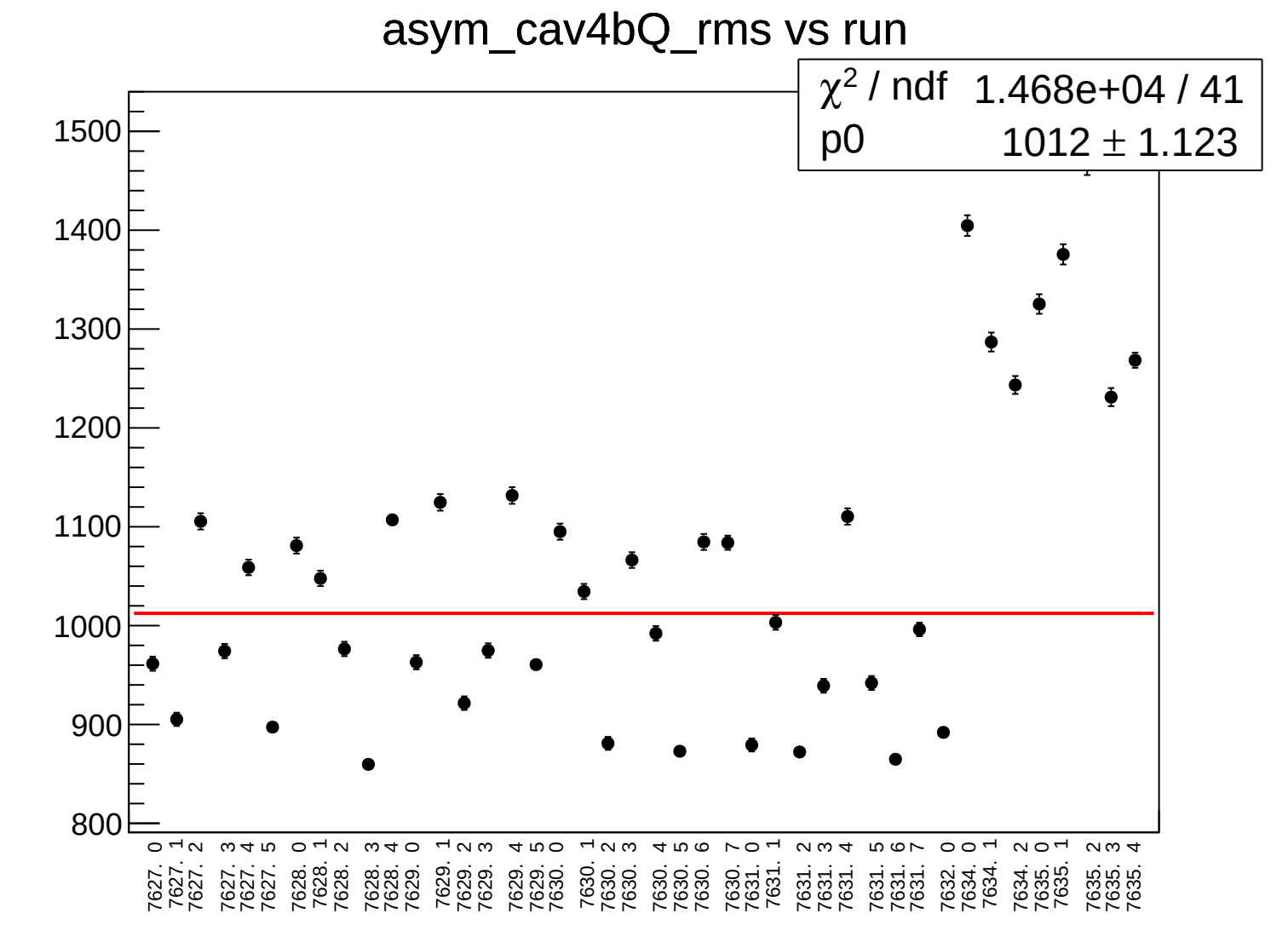

asym_bcm_dg_ds_mean vs run
χ² / ndf 23.72 / 41
p0 −260.5 ± 578.4
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −67.19
Std Dev 0
1
0
−1
−2
−3

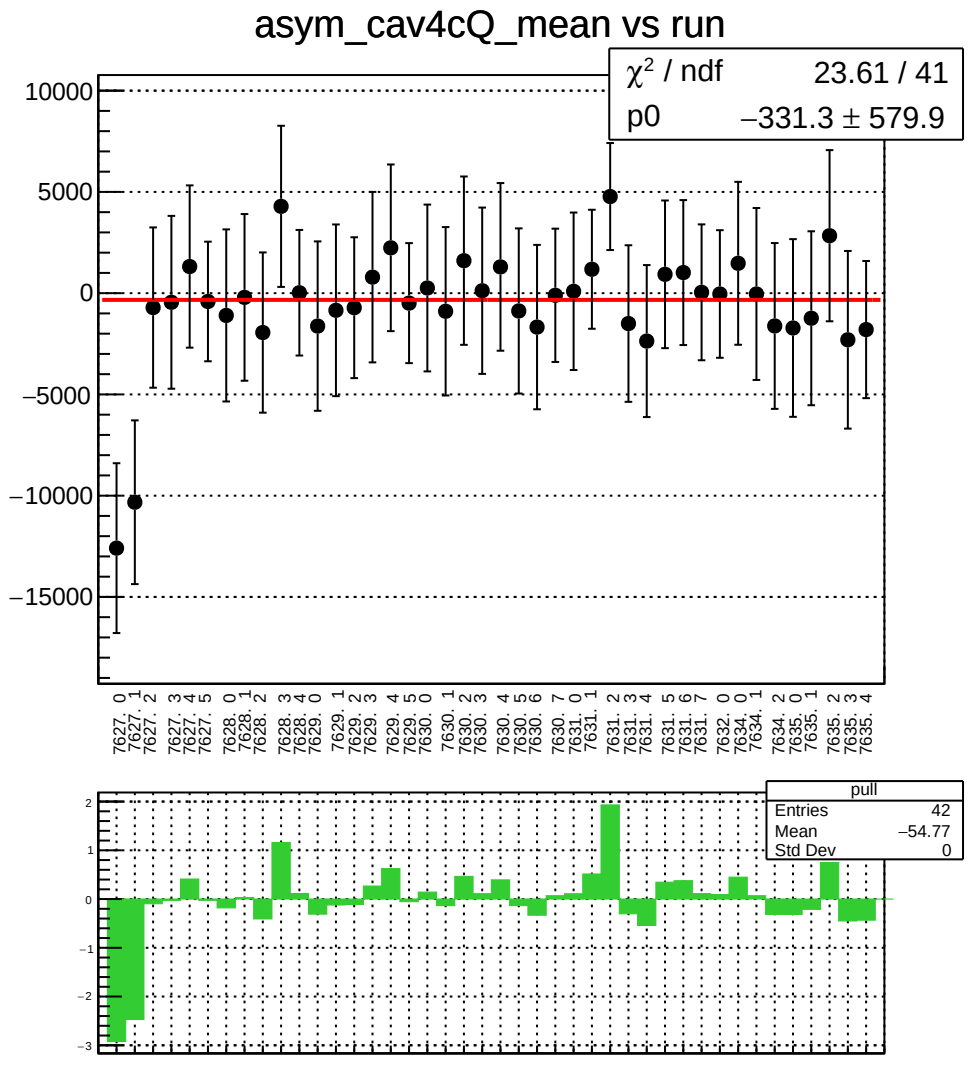

pull1D
Entries 42
Mean −0.02927
Std Dev 0.7509
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

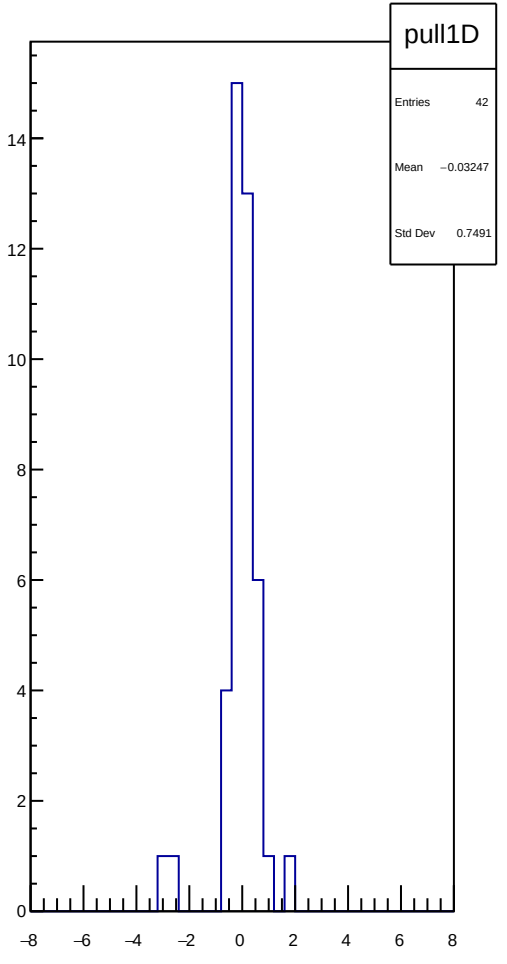

asym_bcm_dg_ds_rms vs run
χ² / ndf 8658 / 41
p0 370.1 ± 0.409
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

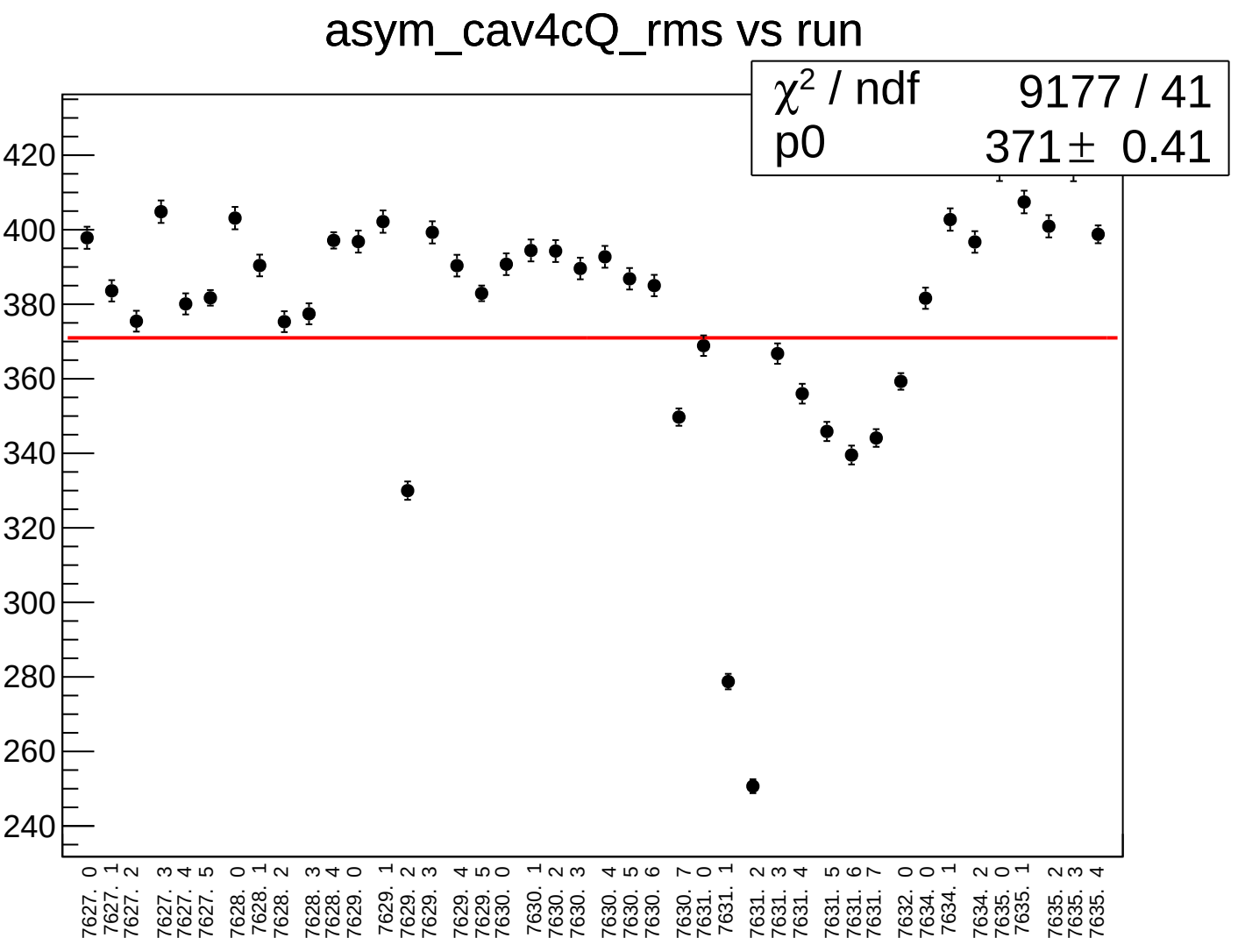

asym_cav4bQ_mean vs run
χ² / ndf 30.63 / 41
p0 −302.1± 1588
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 66
Std Dev 39.03
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

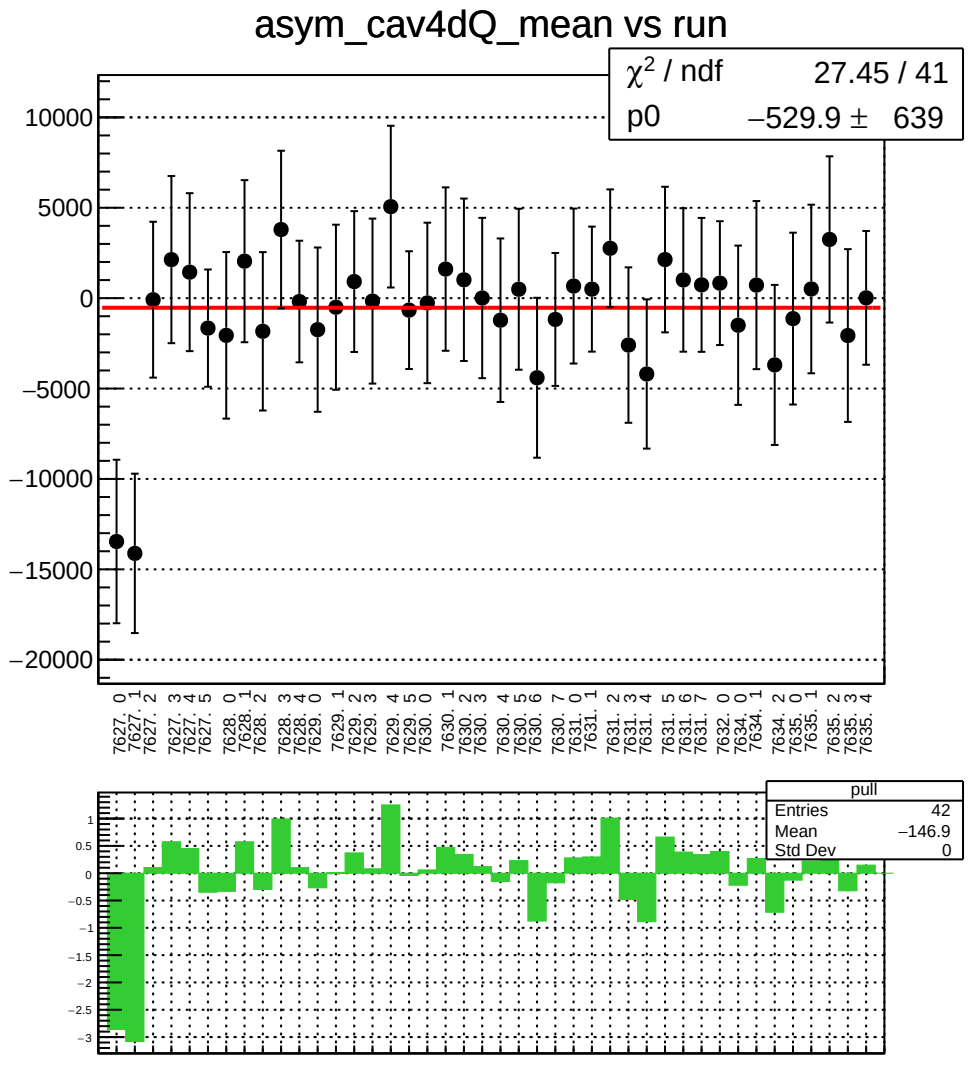

pull1D
Entries 42
Mean −0.009311
Std Dev 0.8539
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

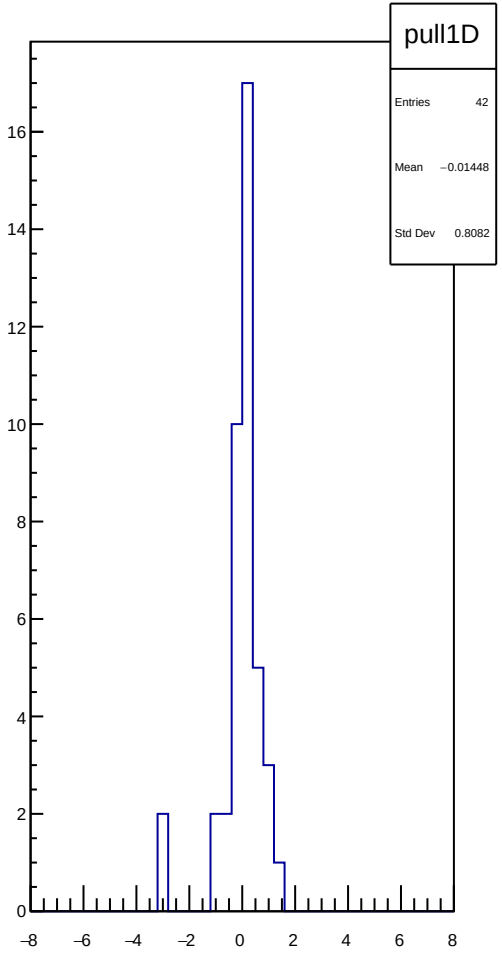

asym_cav4bQ_rms vs run
χ² / ndf 1.468e+04 / 41
p0 1012 ± 1.123
1500
1400
1300
1200
1100
1000
900
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

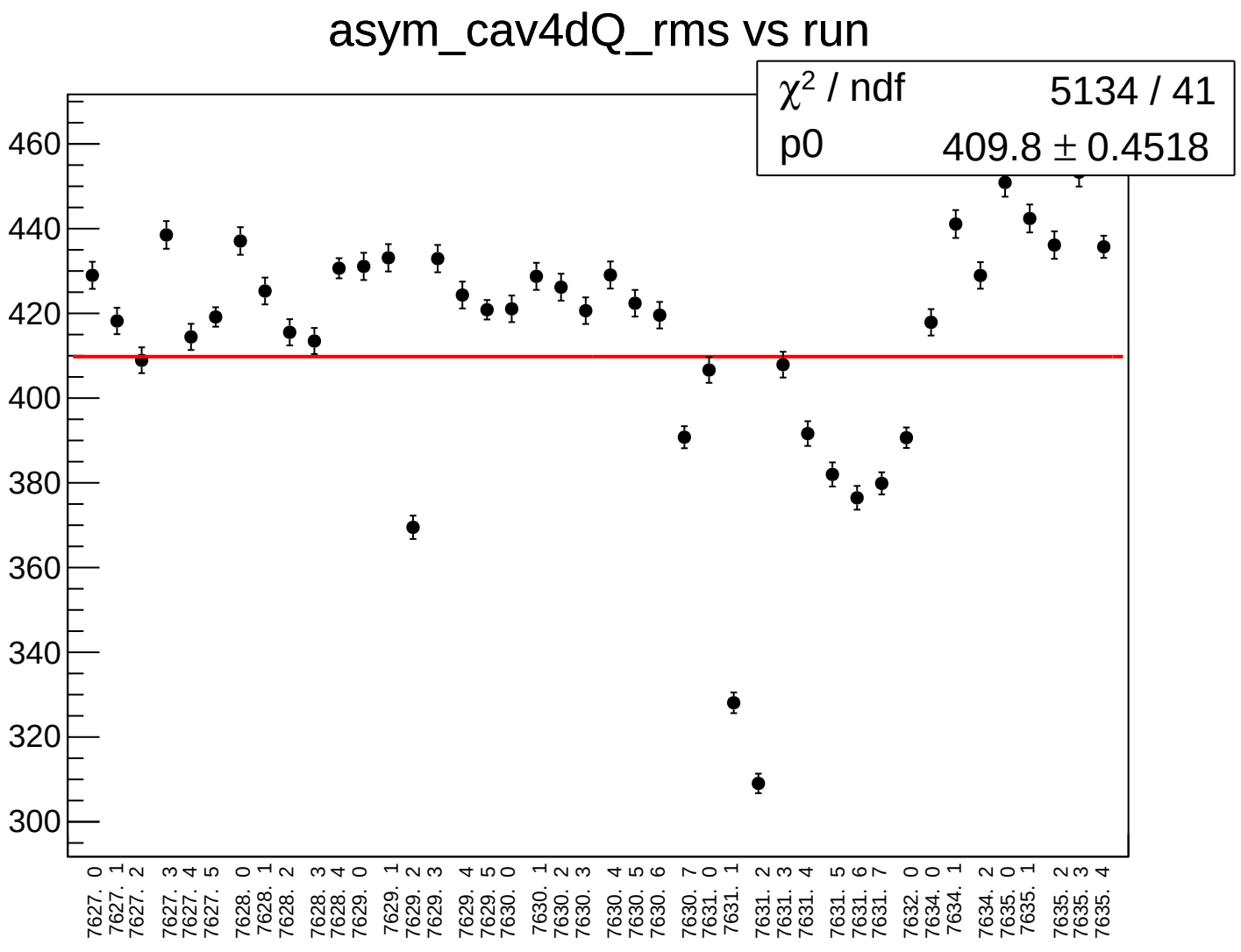

asym_cav4cQ_mean vs run
χ² / ndf 23.61 / 41
p0 −331.3 ± 579.9
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −54.77
Std Dev 0
2
1
0
−1
−2
−3

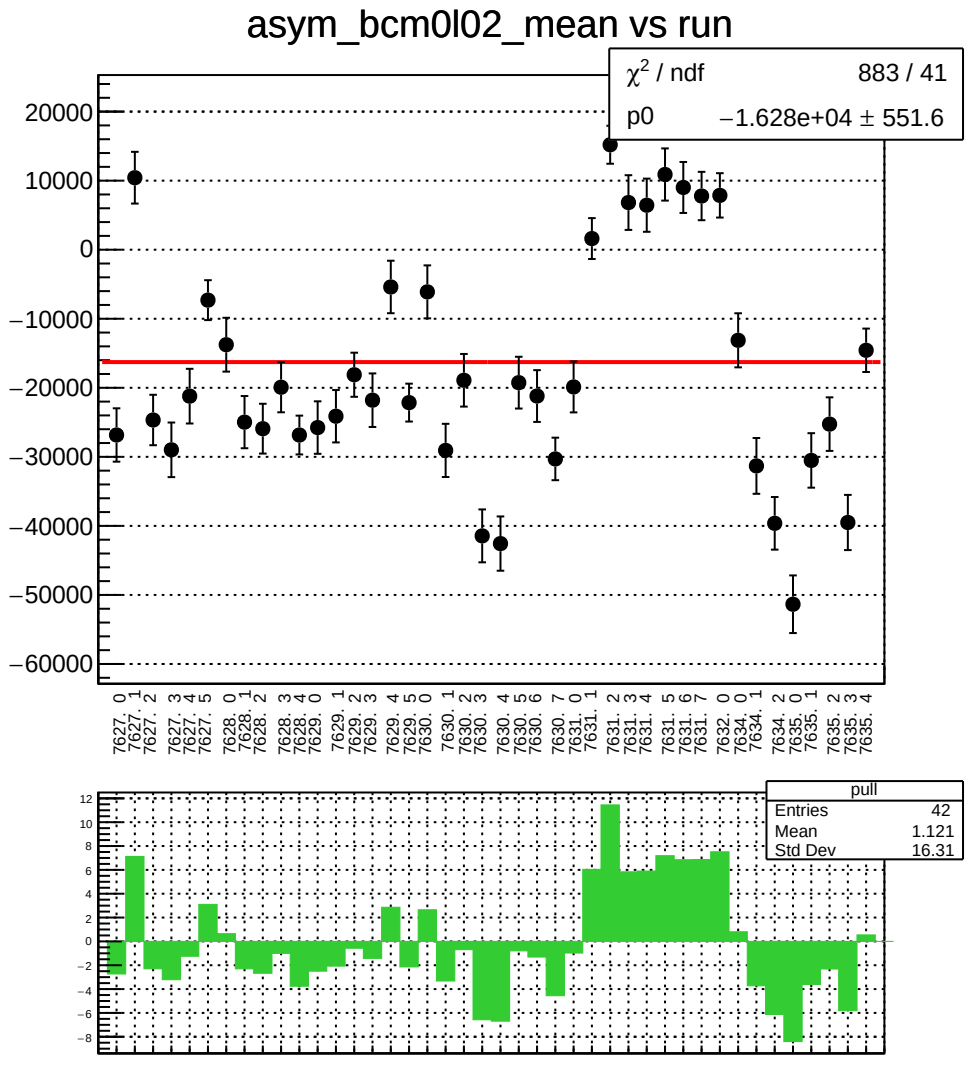

pull1D
Entries 42
Mean −0.03247
Std Dev 0.7491
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

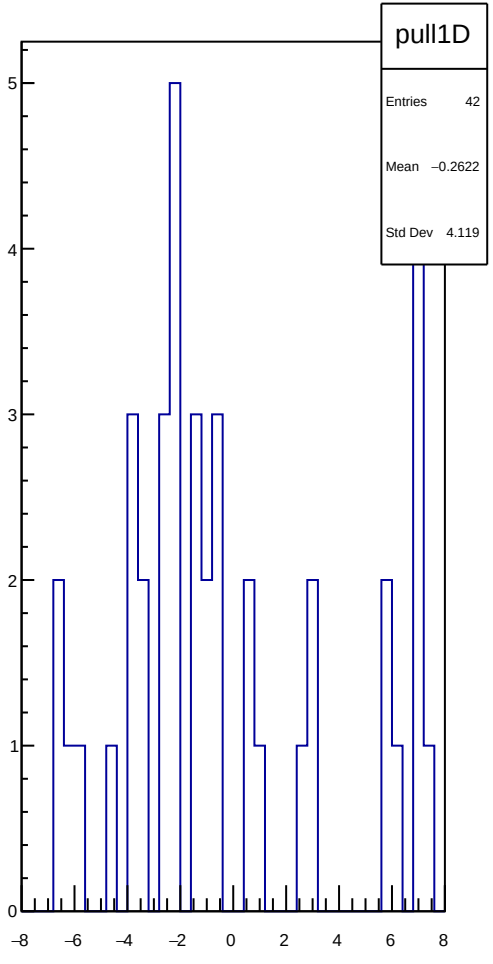

asym_cav4cQ_rms vs run
χ² / ndf 9177 / 41
p0 371 ± 0.41
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

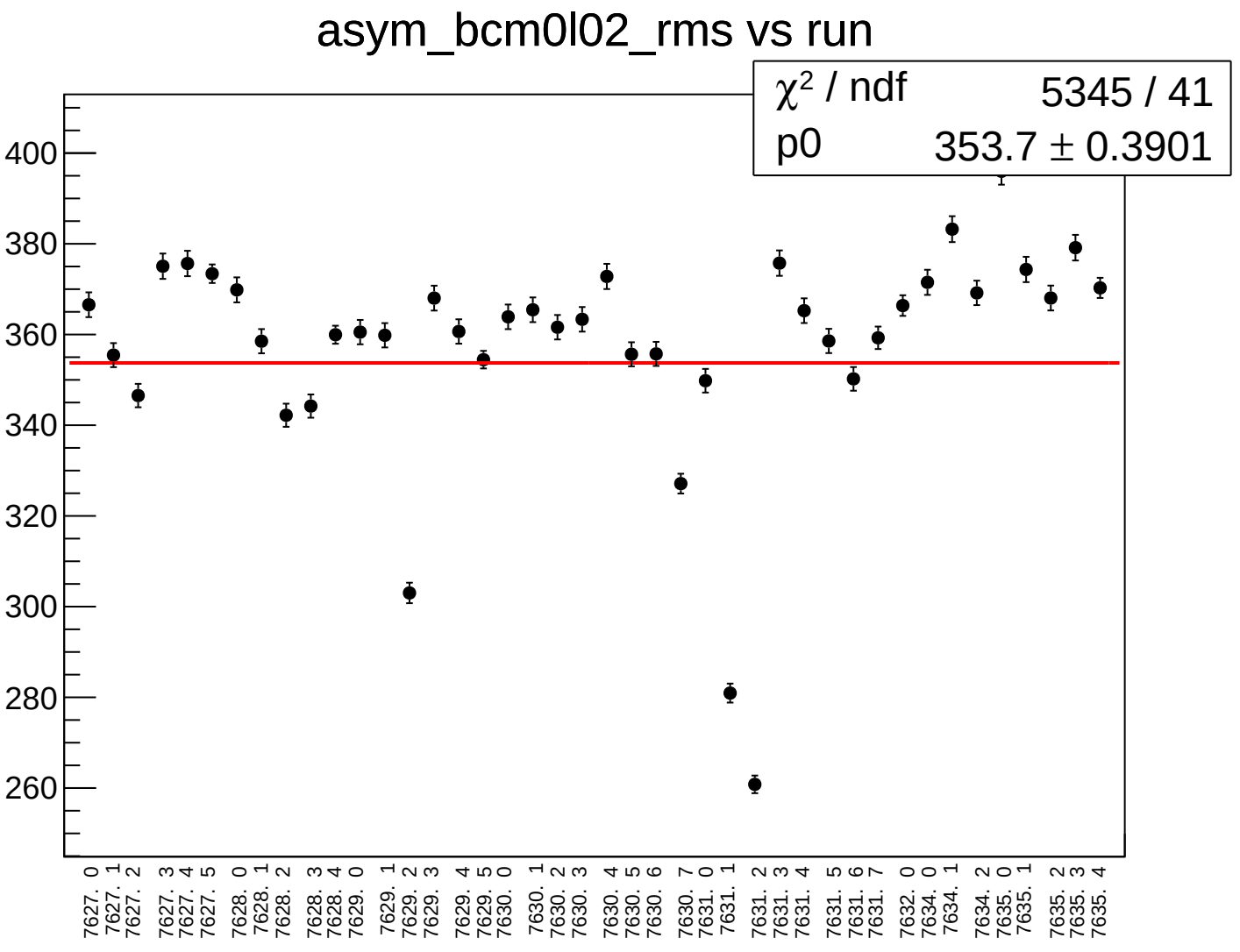

asym_cav4dQ_mean vs run
χ² / ndf 27.45 / 41
p0 −529.9 ± 639
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −146.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

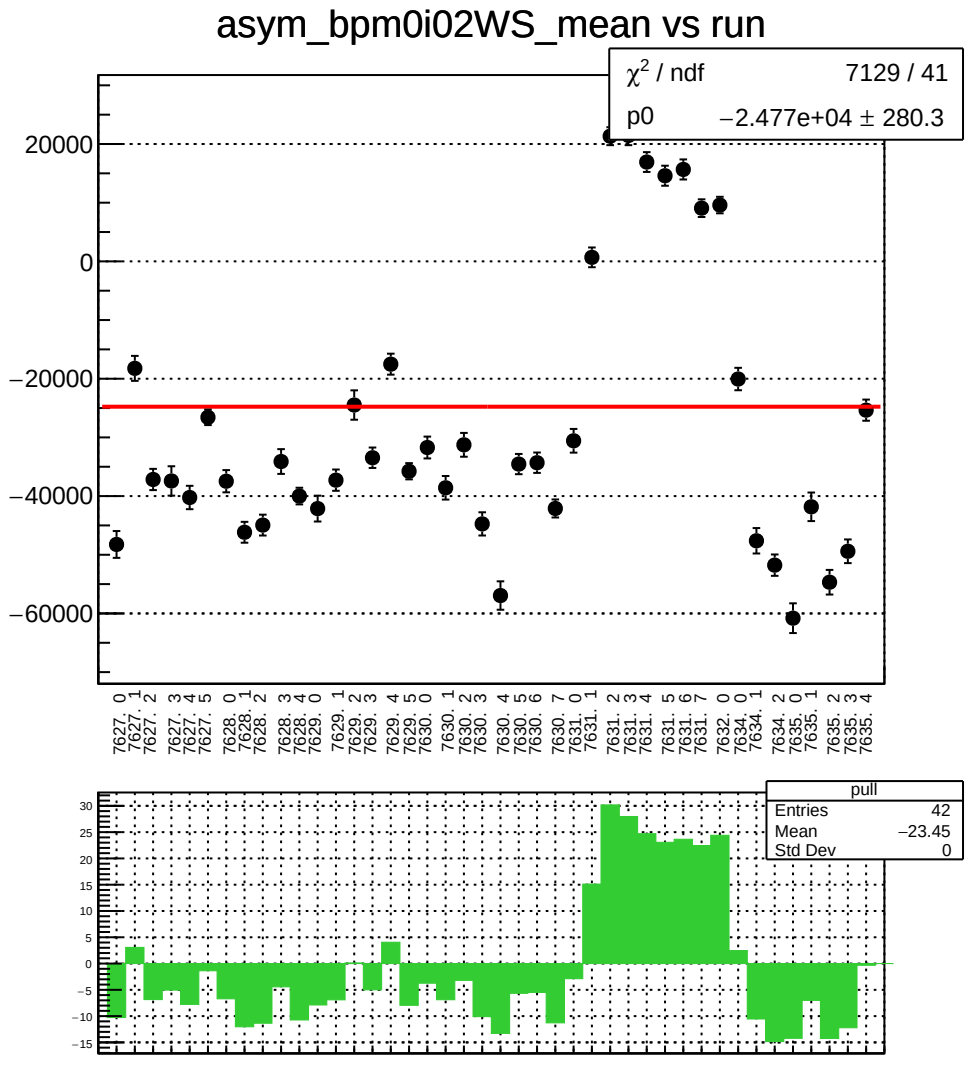

pull1D
Entries 42
Mean −0.01448
Std Dev 0.8082
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

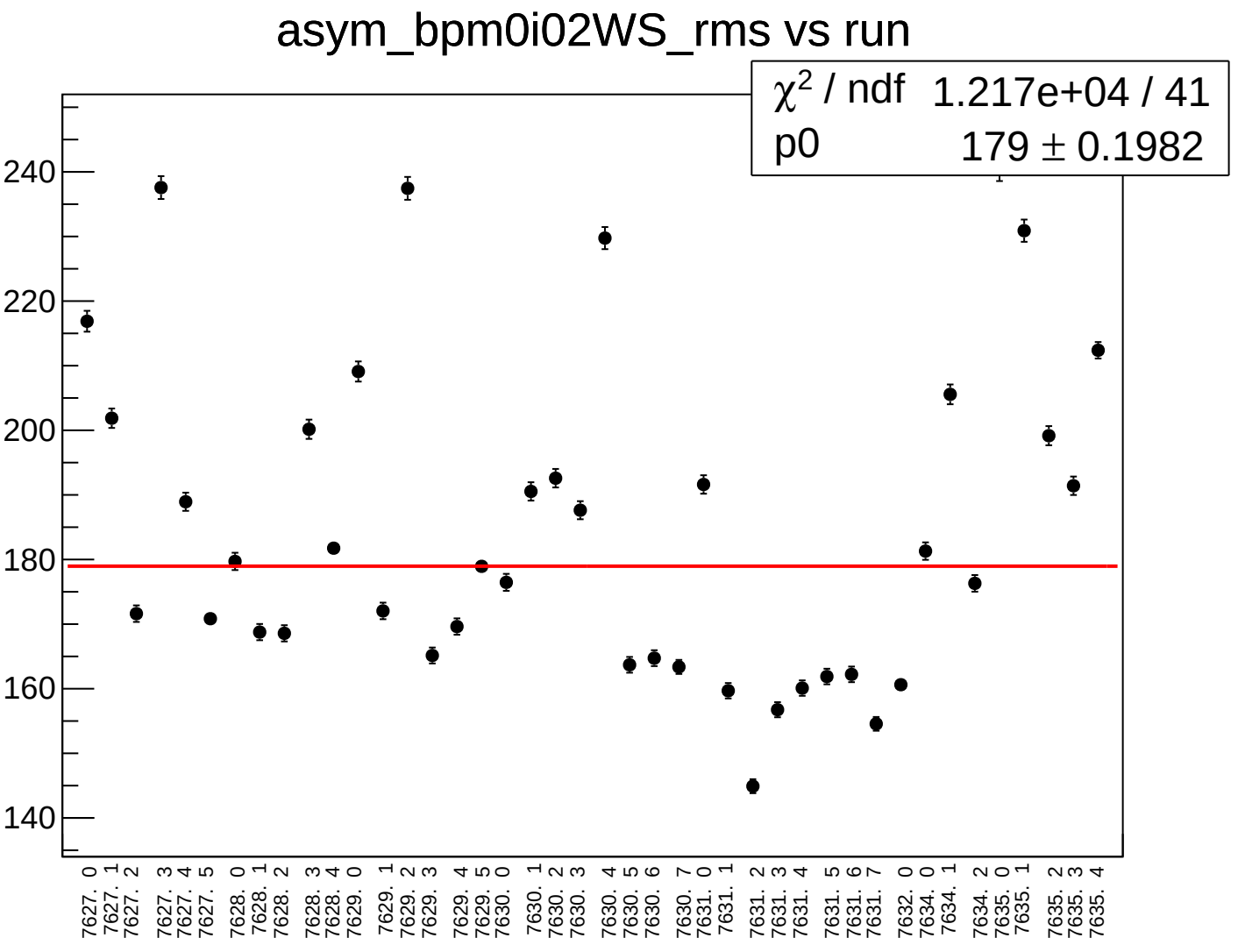

asym_cav4dQ_rms vs run
χ² / ndf 5134 / 41
p0 409.8 ± 0.4518
460
440
420
400
380
360
340
320
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

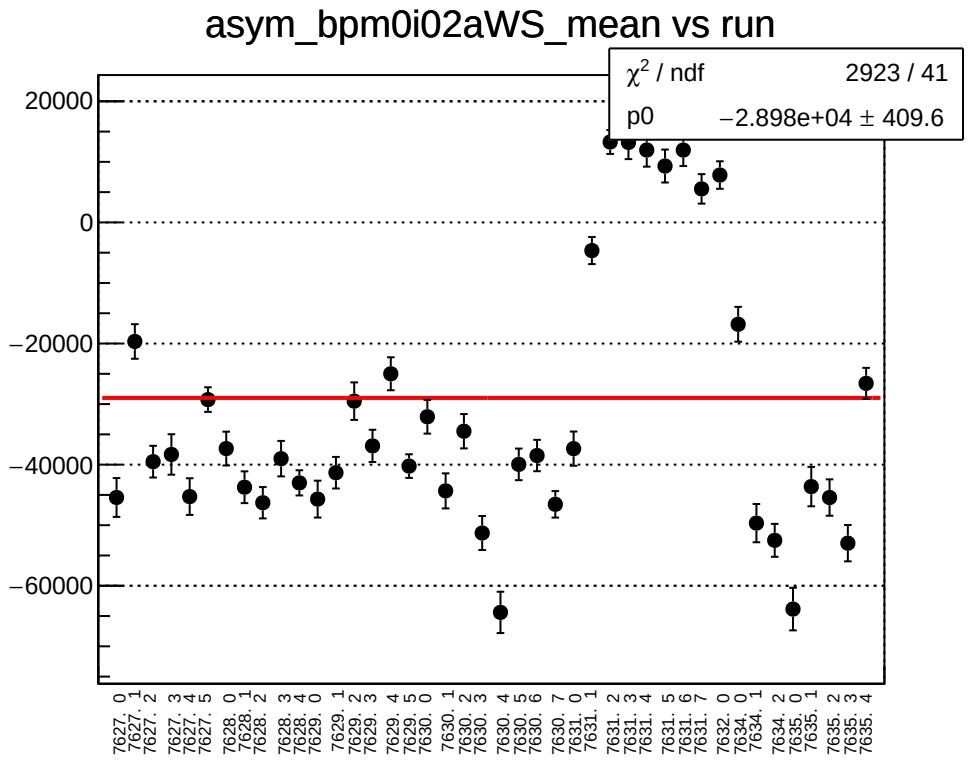

asym_bcm0l02_mean vs run
χ² / ndf 883 / 41
p0 −1.628e+04 ± 551.6
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1.121
Std Dev 16.31
12
10
8
6
4
2
0
−2
−4
−6
−8

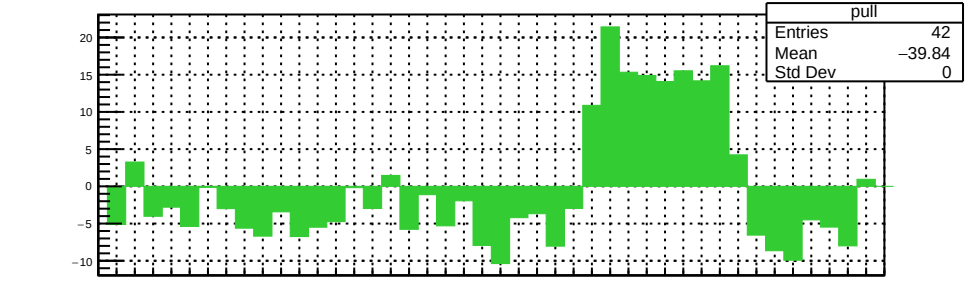

pull1D
Entries 42
Mean −0.2622
Std Dev 4.119
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

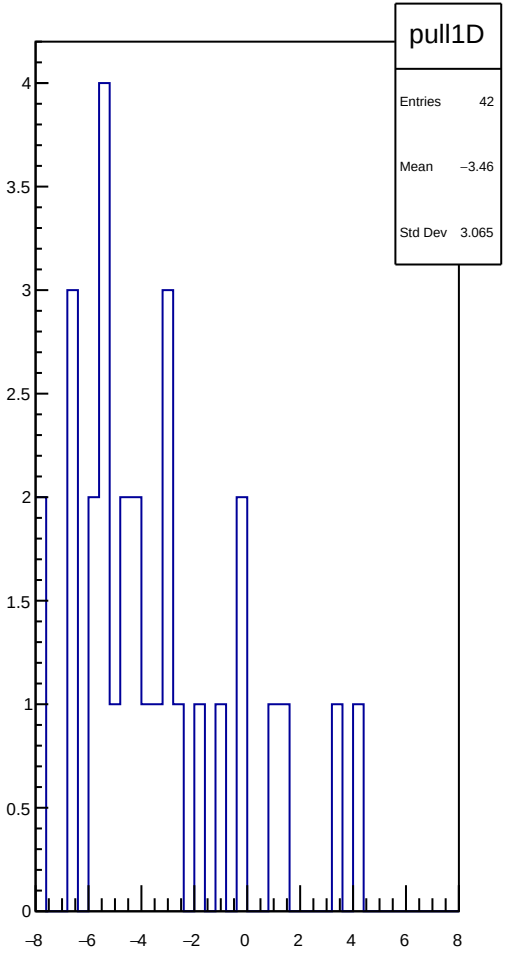

asym_bcm0l02_rms vs run
χ² / ndf 5345 / 41
p0 353.7 ± 0.3901
400
380
360
340
320
300
280
260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

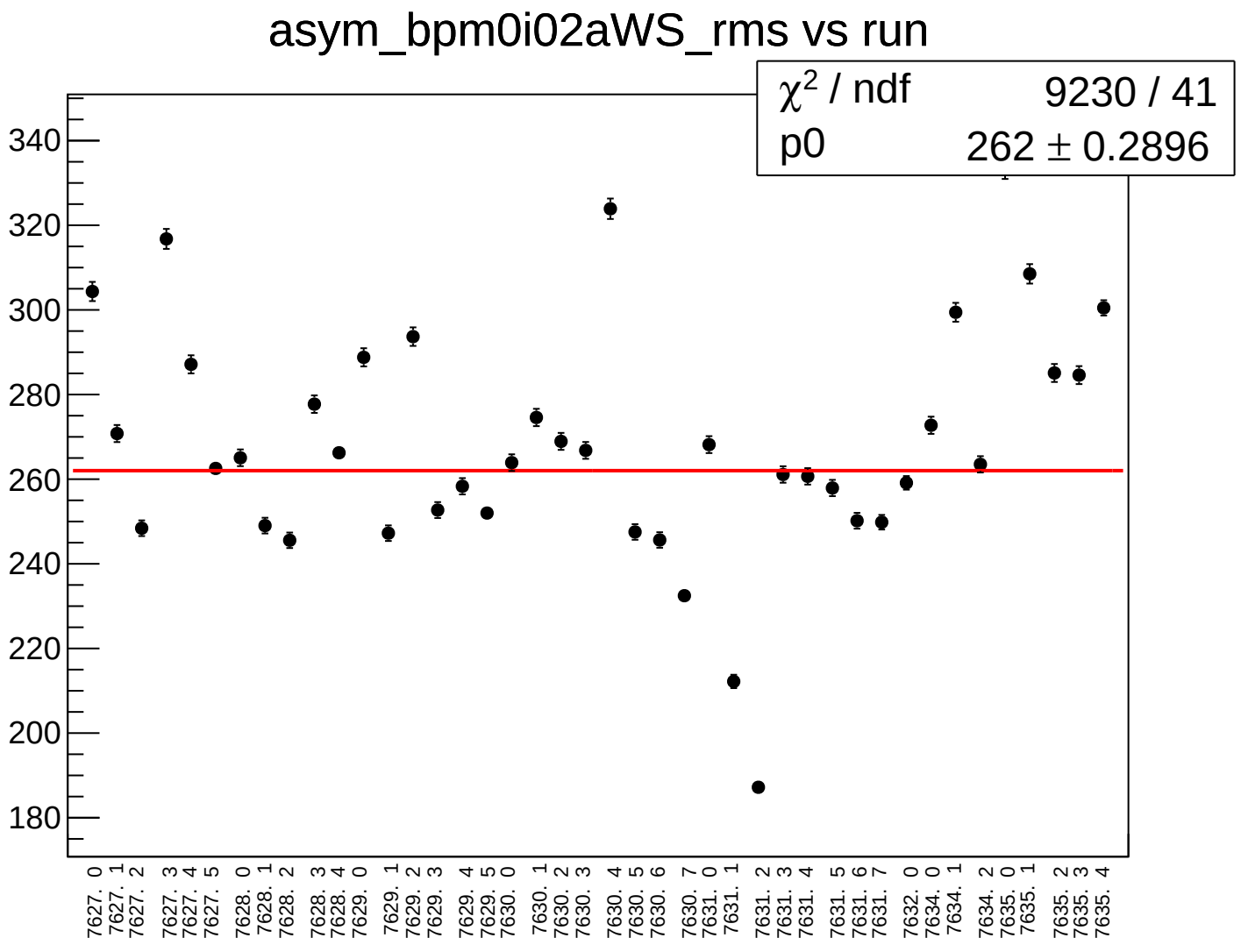

asym_bpm0i02WS_mean vs run
χ² / ndf 7129 / 41
p0 −2.477e+04 ± 280.3
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.45
Std Dev 0
30
25
20
15
10
5
0
−5
−10
−15
pull1D
Entries 42
Mean −3.881
Std Dev 3.625
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

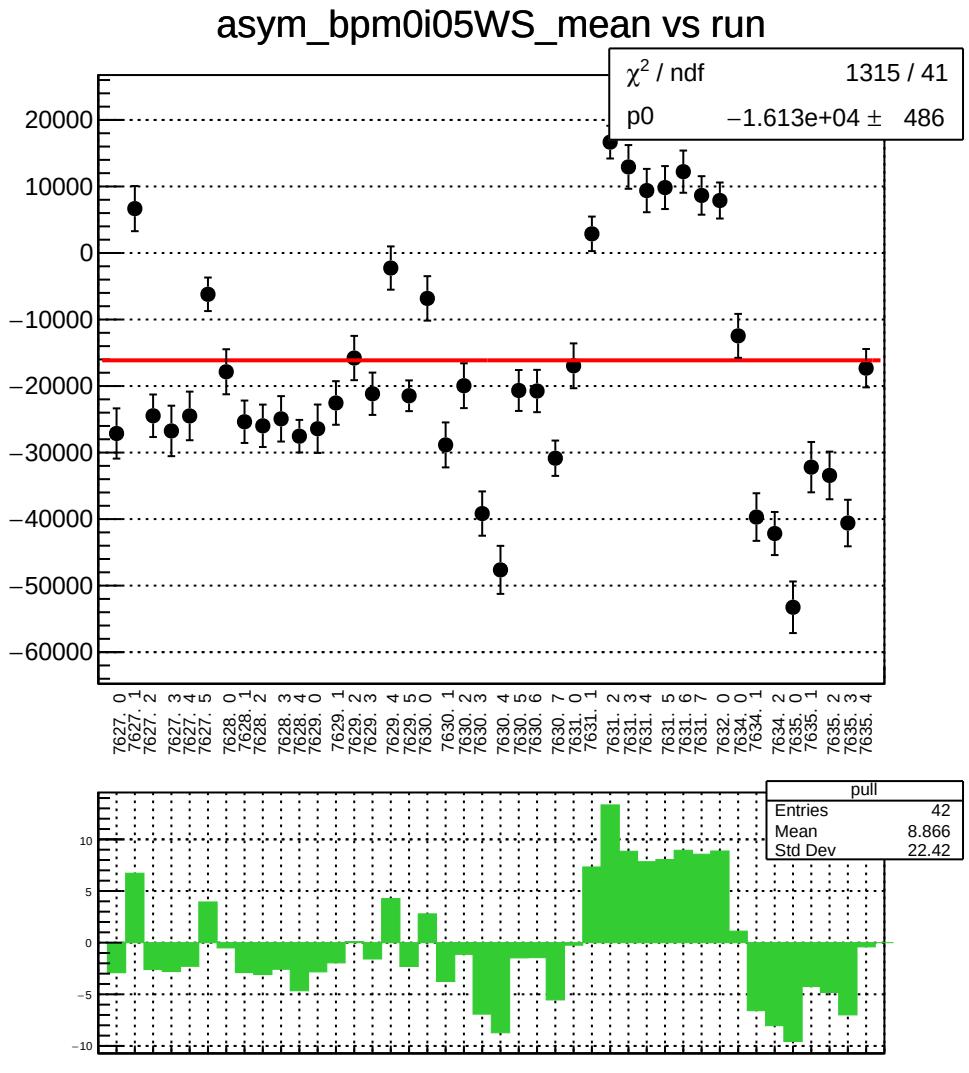

asym_bpm0i02WS_rms vs run
χ² / ndf 1.217e+04 / 41
p0 179 ± 0.1982
240
220
200
180
160
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

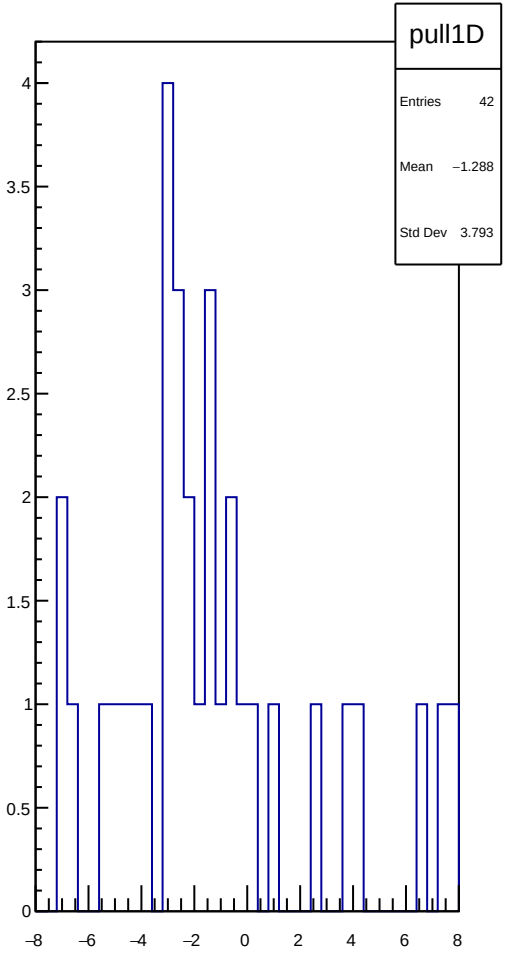

asym_bpm0i02aWS_mean vs run
χ² / ndf 2923 / 41
p0 −2.898e+04 ± 409.6
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

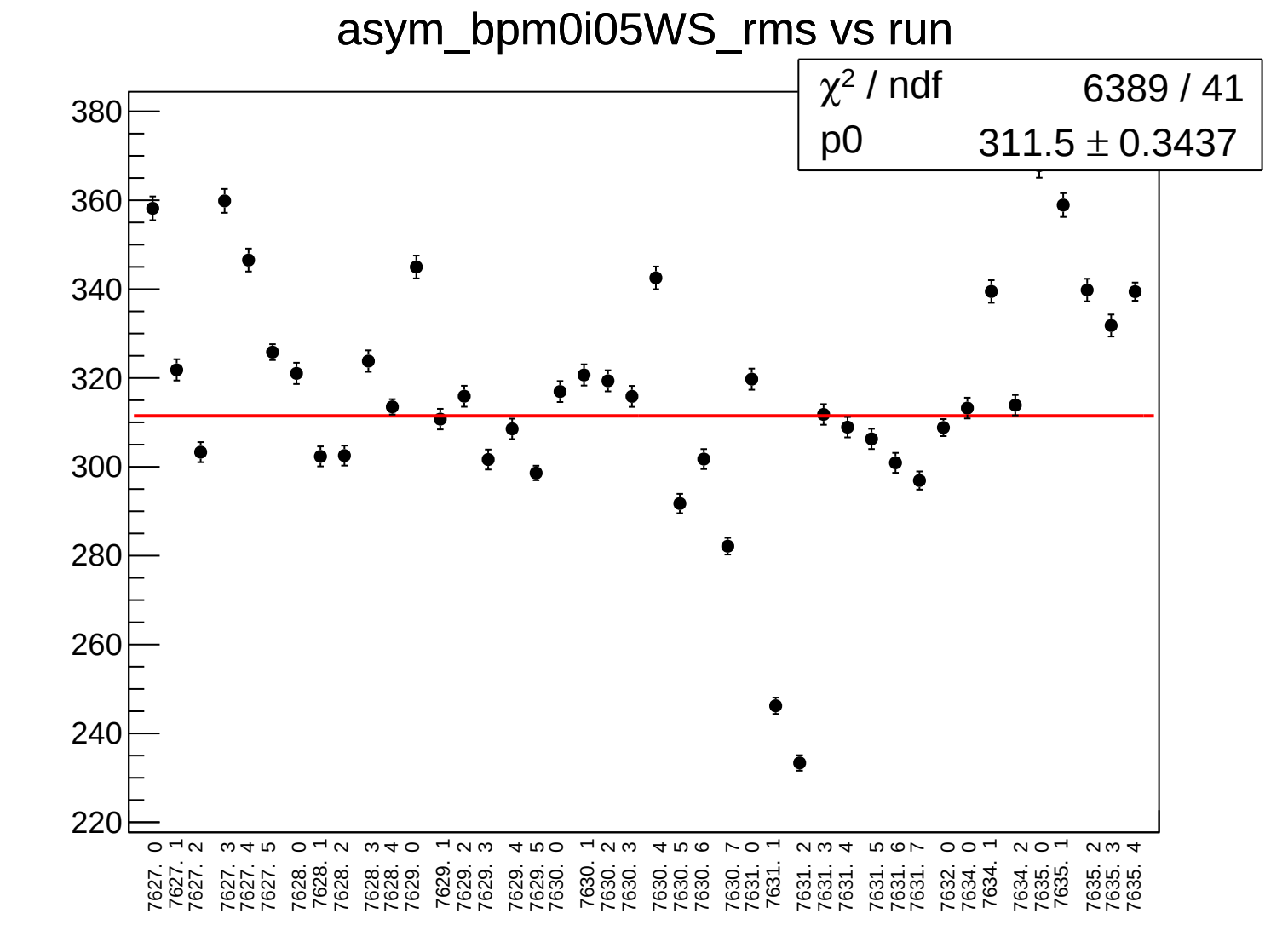

pull
Entries 42
Mean −39.84
Std Dev 0
20
15
10
5
0
−5
−10

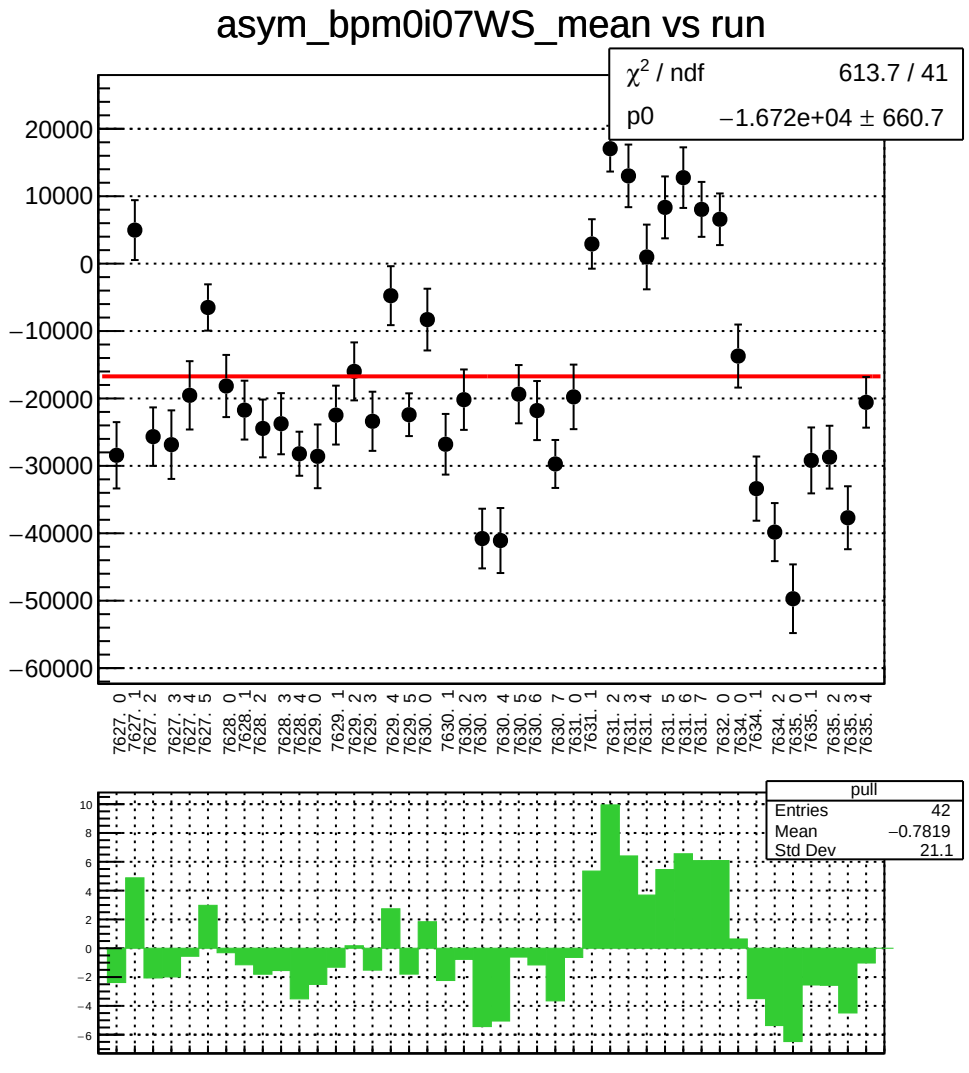

pull1D
Entries 42
Mean −3.46
Std Dev 3.065
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

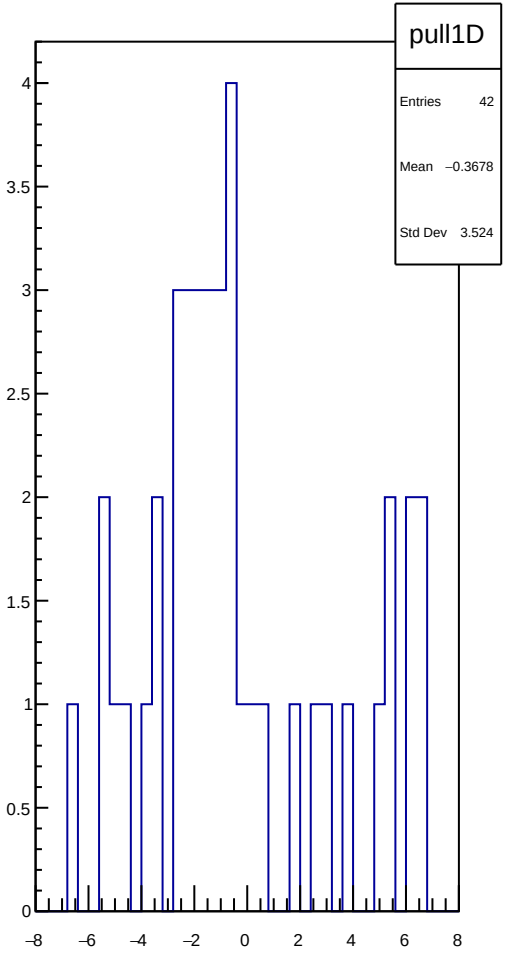

asym_bpm0i02aWS_rms vs run
χ^2 / ndf 9230 / 41
p0 262 ± 0.2896
340
320
300
280
260
240
220
200
180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

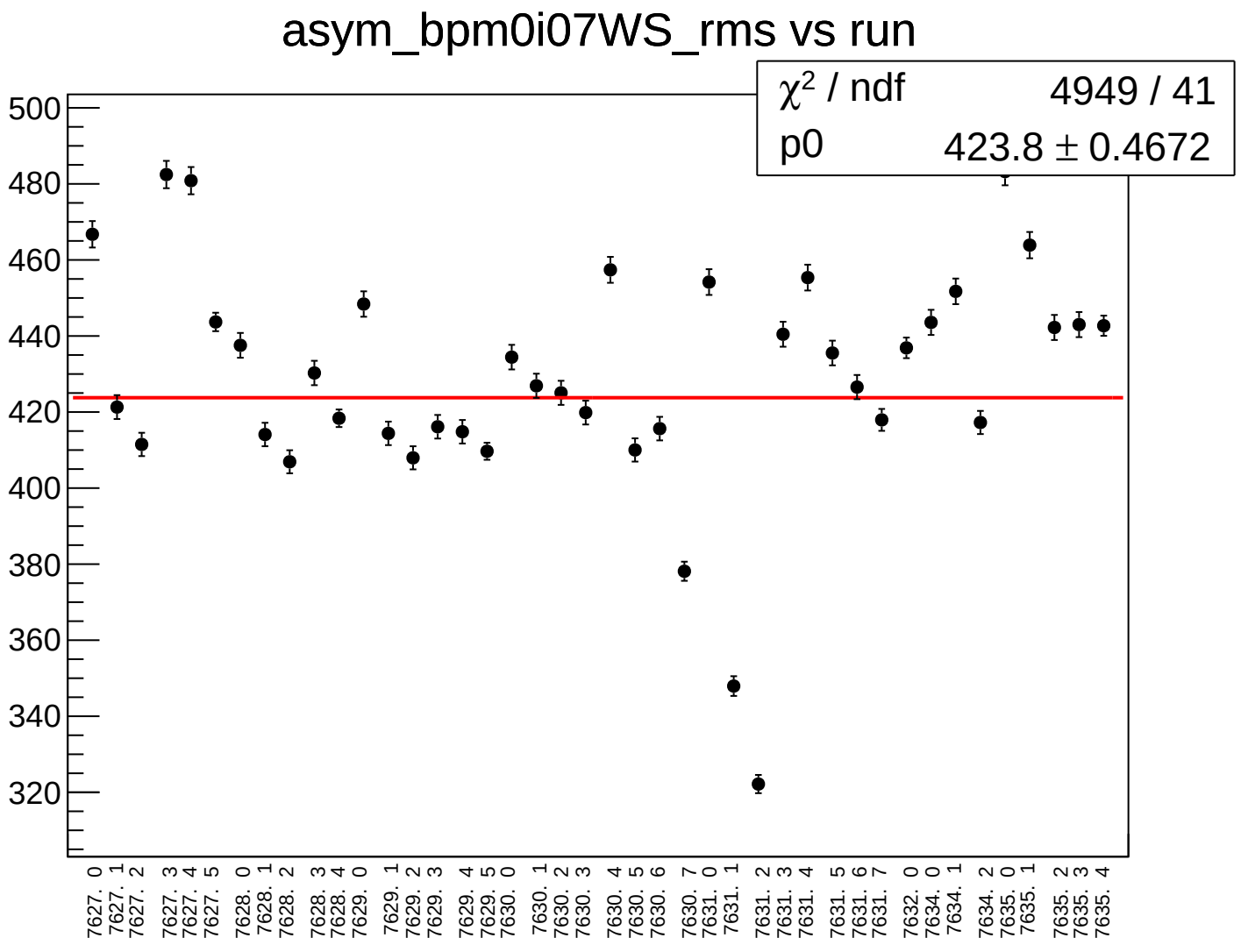

asym_bpm0i05WS_mean vs run
χ² / ndf 1315 / 41
p0 −1.613e+04 ± 486
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 8.866
Std Dev 22.42
10
5
0
−5
−10

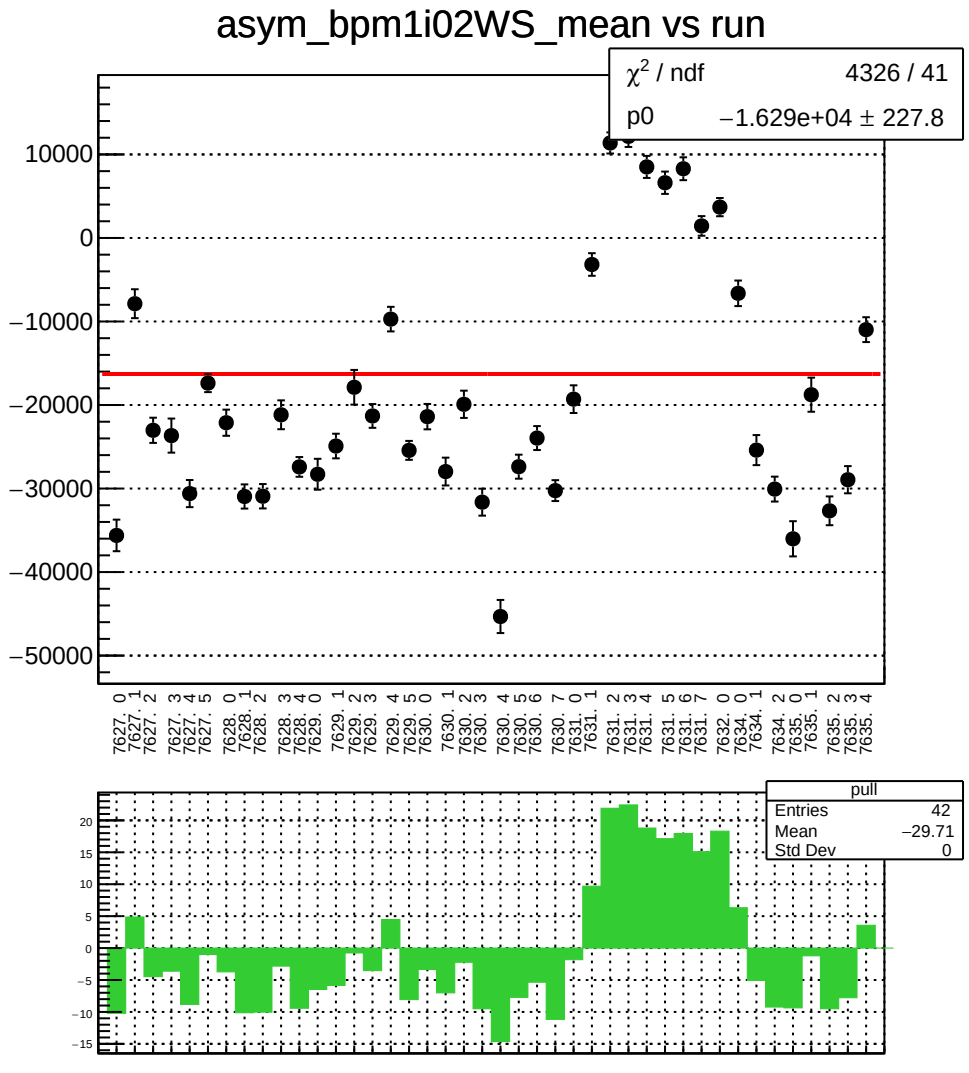

pull1D
Entries 42
Mean −1.288
Std Dev 3.793
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

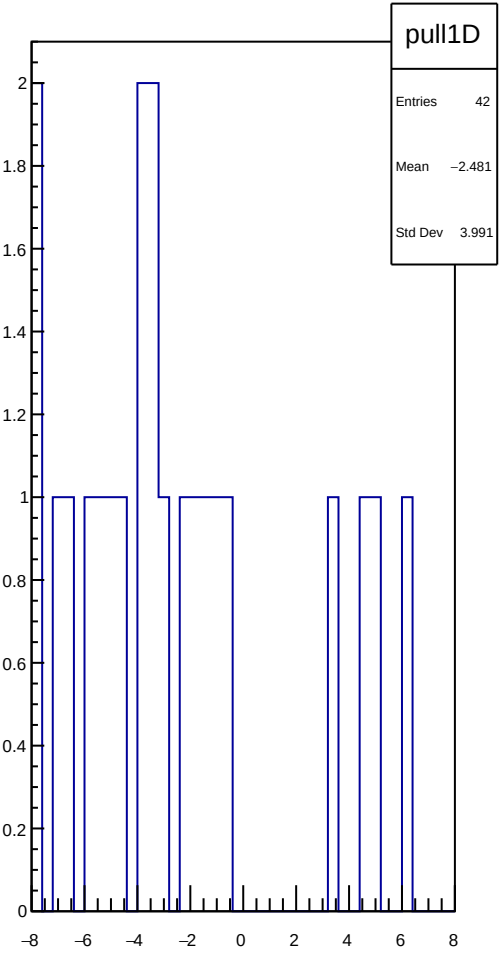

asym_bpm0i05WS_rms vs run
χ² / ndf 6389 / 41
p0 311.5 ± 0.3437
380
360
340
320
300
280
260
240
220
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

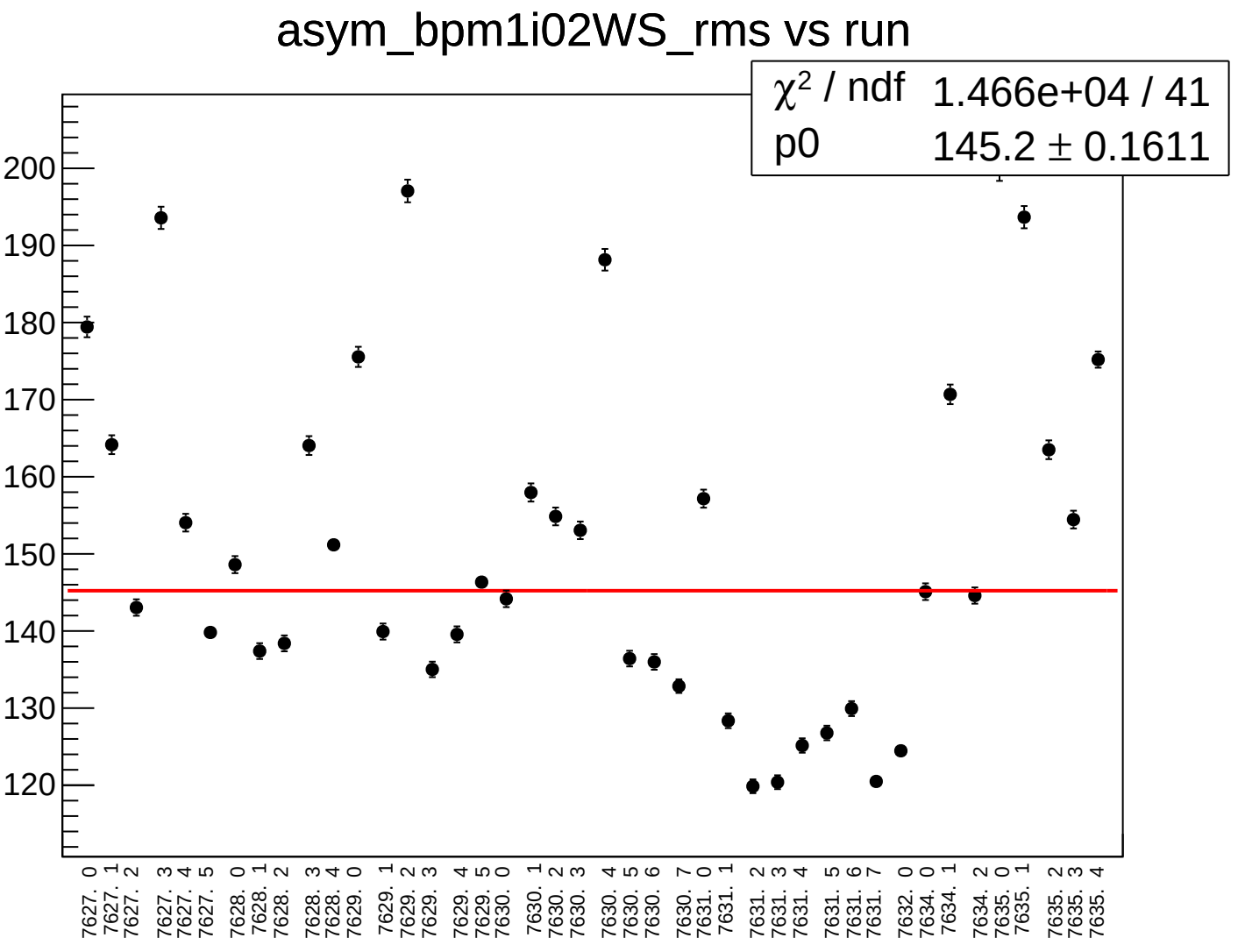

asym_bpm0i07WS_mean vs run
χ² / ndf 613.7 / 41
p0 −1.672e+04 ± 660.7
pull
Entries 42
Mean −0.7819
Std Dev 21.1

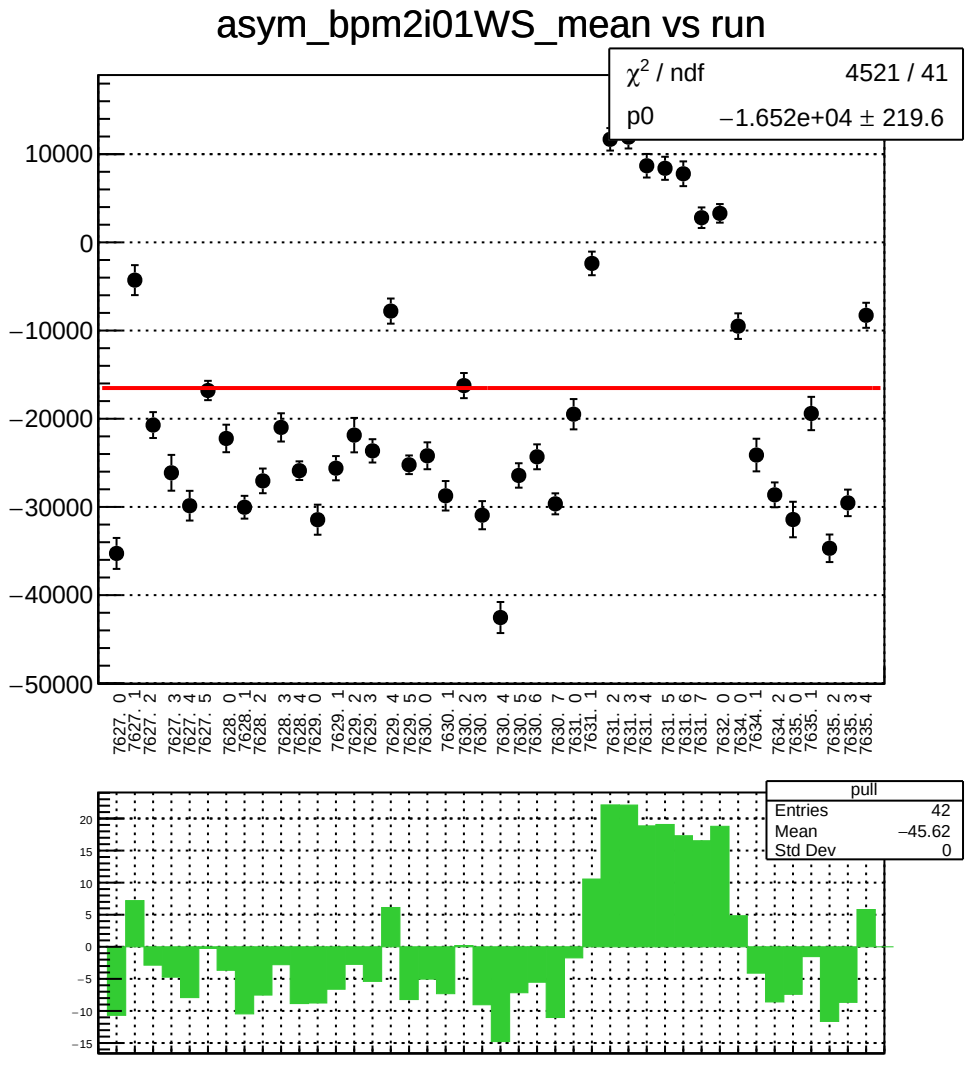

pull1D
Entries 42
Mean −0.3678
Std Dev 3.524

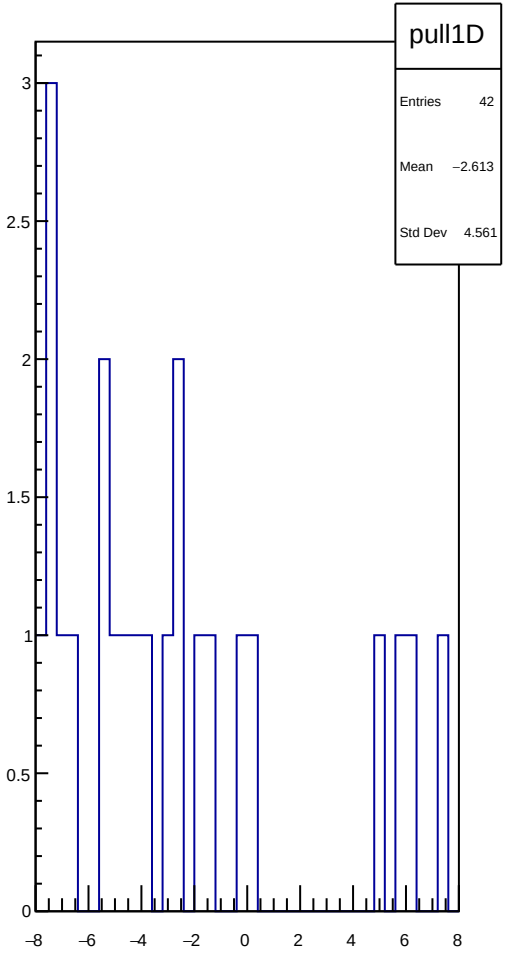

asym_bpm0i07WS_rms vs run
χ² / ndf 4949 / 41
p0 423.8 ± 0.4672
500
480
460
440
420
400
380
360
340
320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

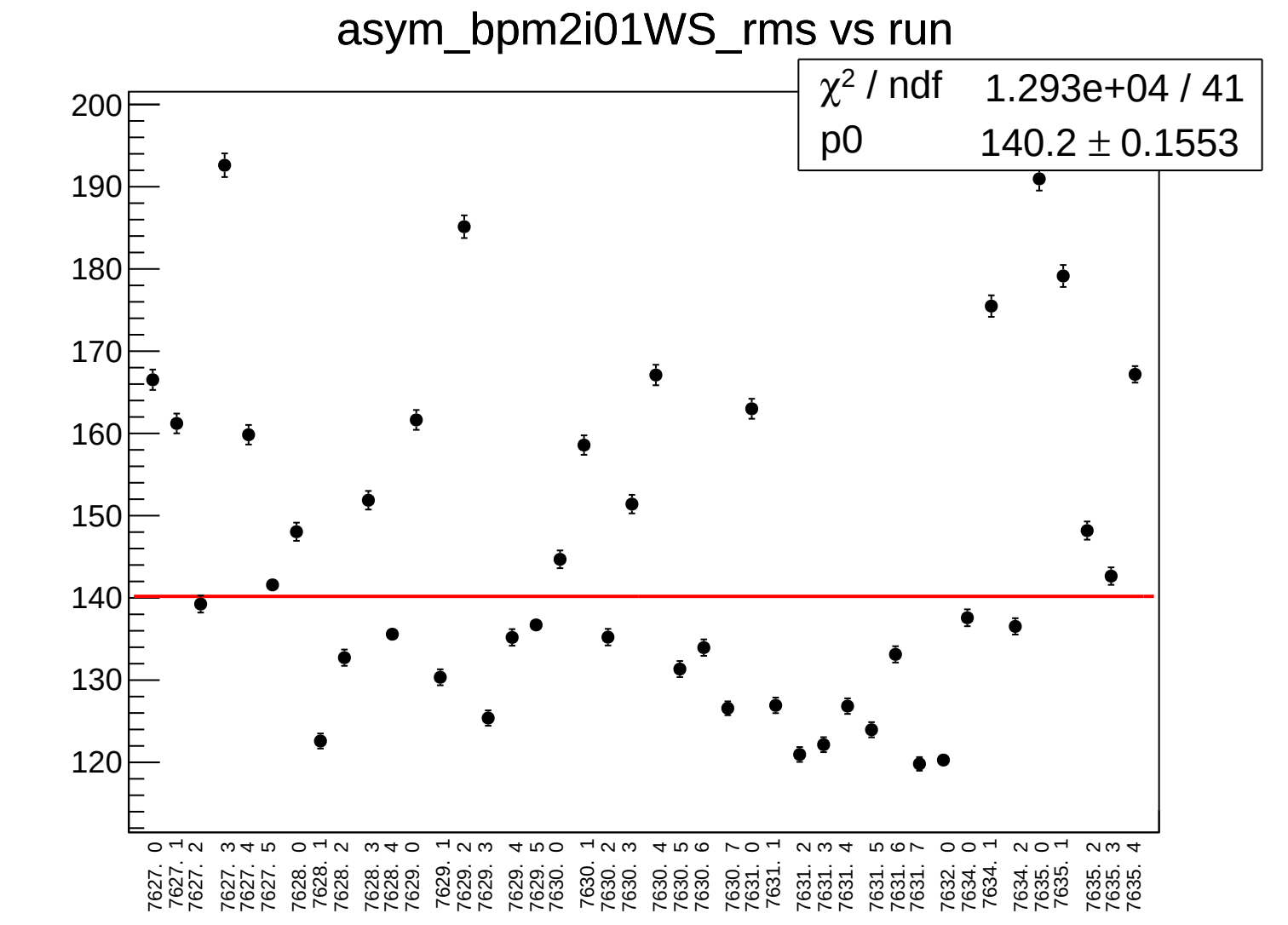

asym_bpm1i02WS_mean vs run
χ² / ndf 4326 / 41
p0 −1.629e+04 ± 227.8
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −29.71
Std Dev 0
20
15
10
5
0
−5
−10
−15

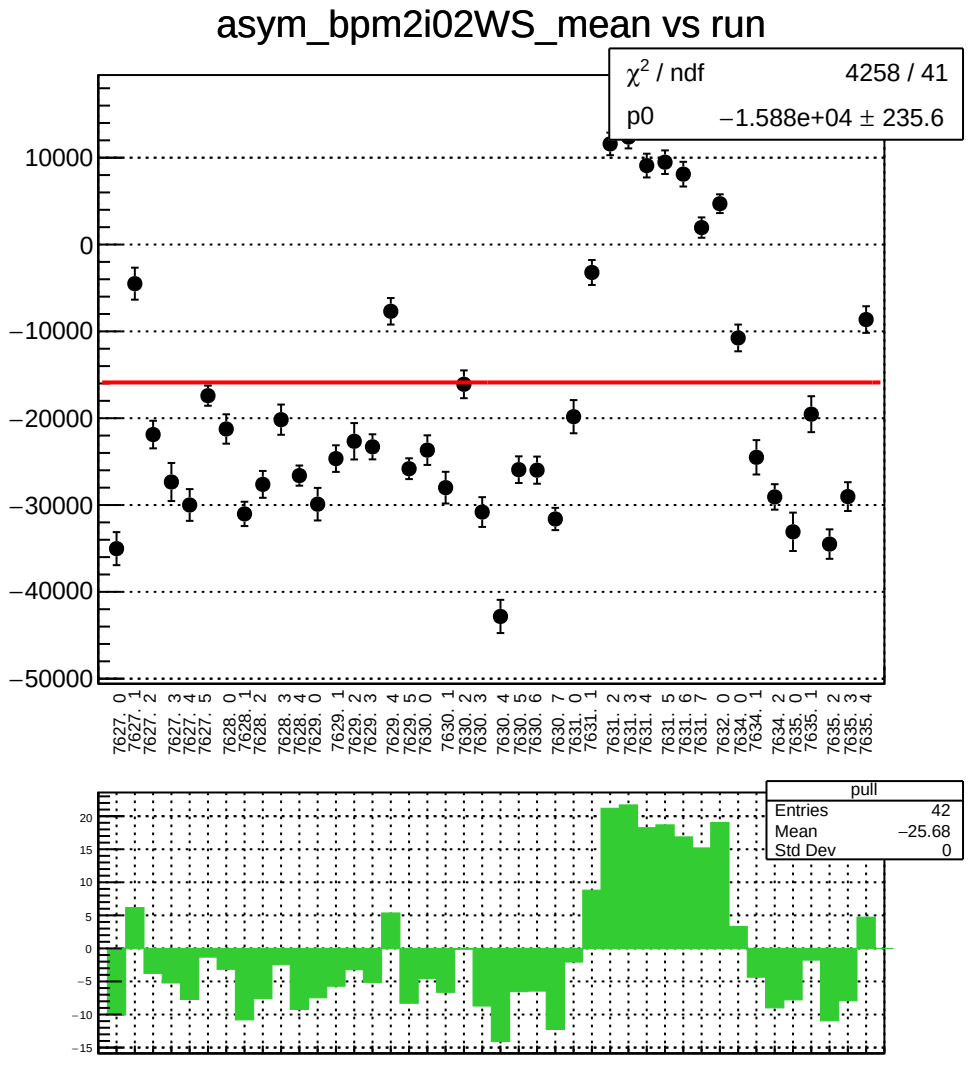

pull1D
Entries 42
Mean −2.481
Std Dev 3.991
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

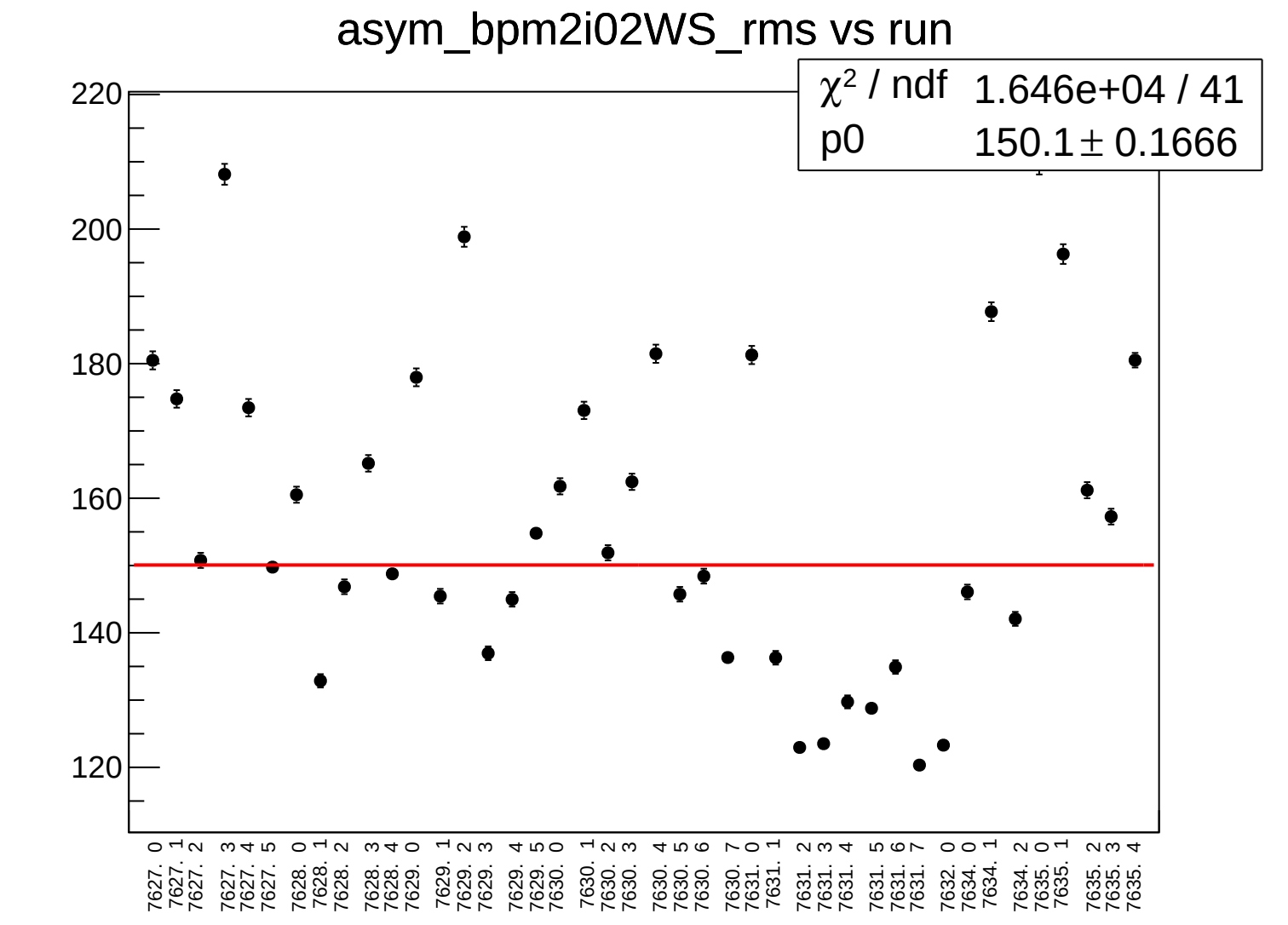

asym_bpm1i02WS_rms vs run
χ² / ndf 1.466e+04 / 41
p0 145.2 ± 0.1611
200
190
180
170
160
150
140
130
120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

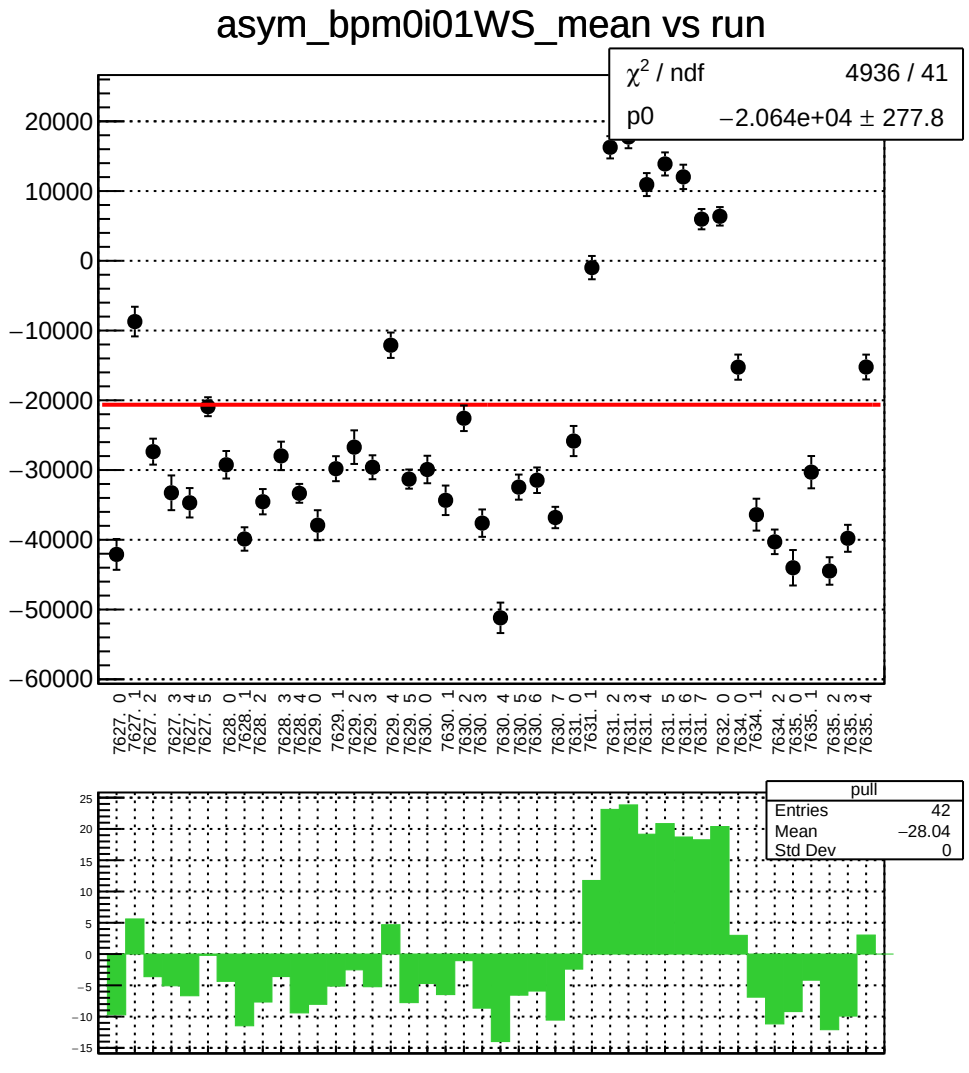

asym_bpm2i01WS_mean vs run
χ² / ndf 4521 / 41
p0 −1.652e+04 ± 219.6
pull
Entries 42
Mean −45.62
Std Dev 0

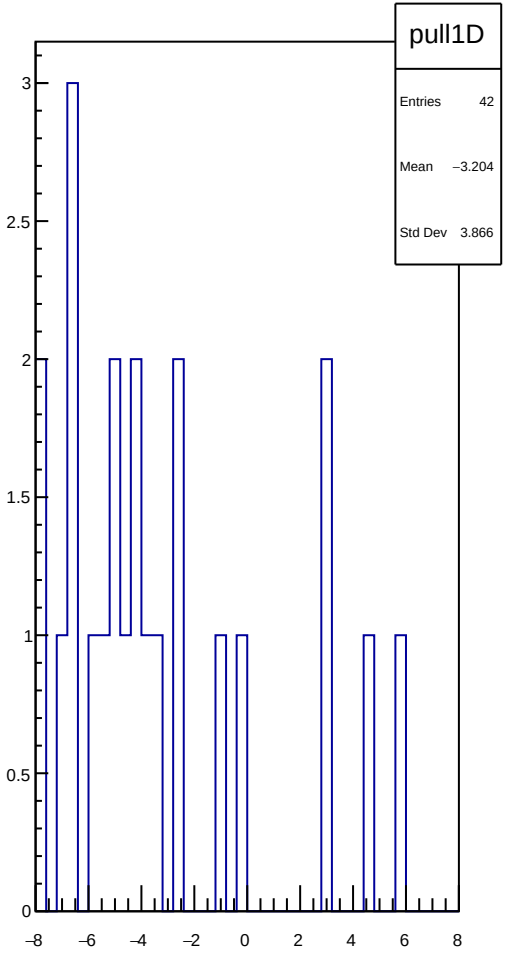

pull1D
Entries 42
Mean −2.613
Std Dev 4.561

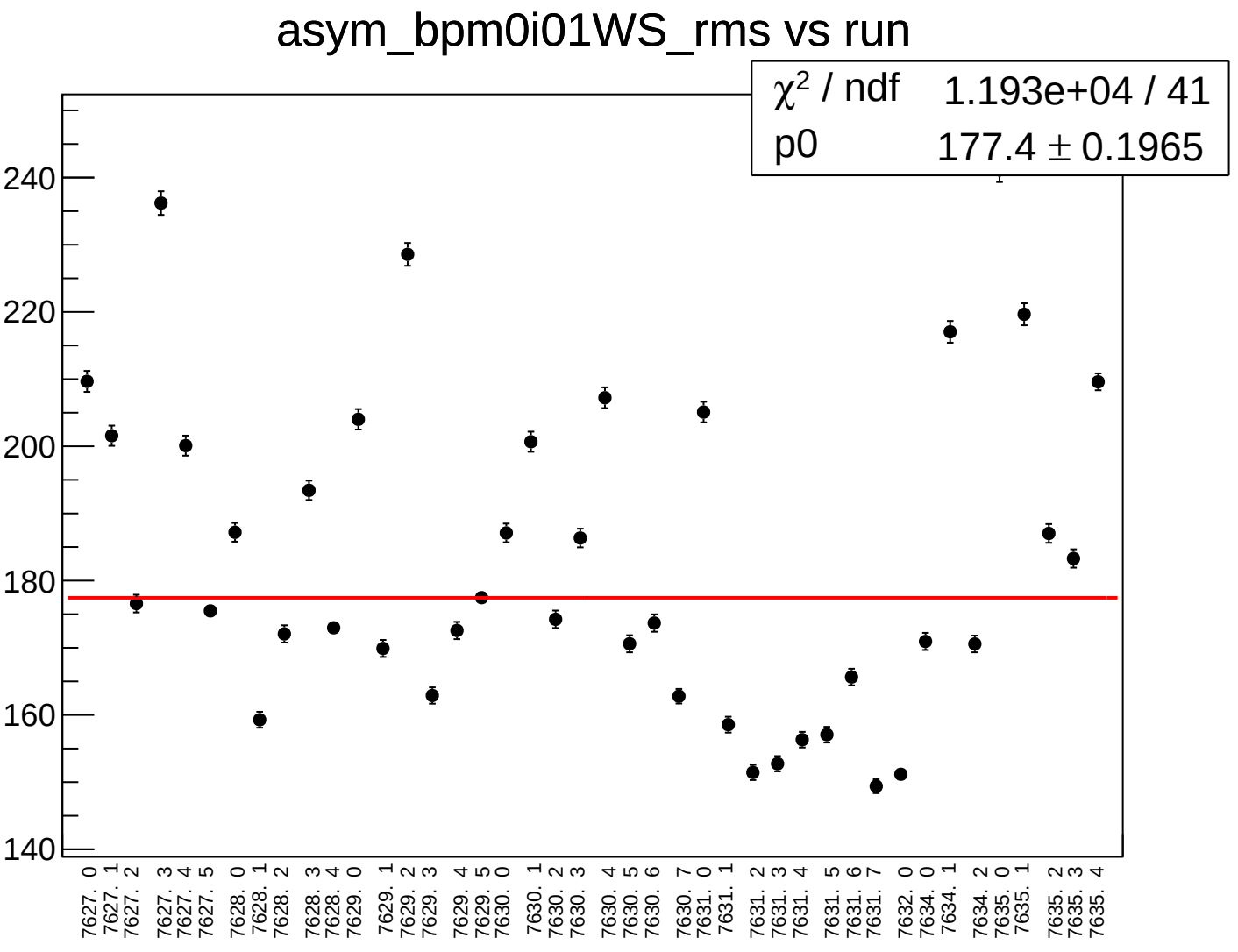

asym_bpm2i01WS_rms vs run
χ² / ndf 1.293e+04 / 41
p0 140.2 ± 0.1553
200
190
180
170
160
150
140
130
120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

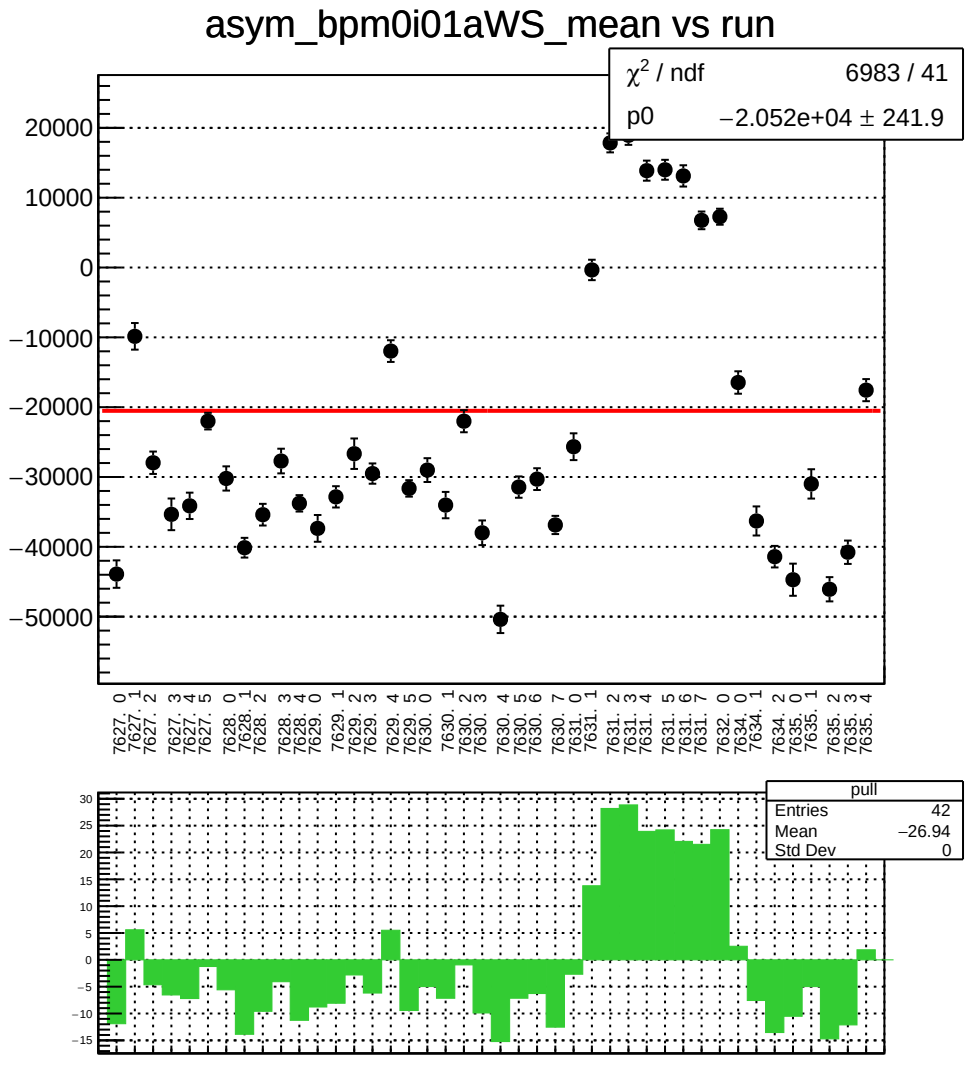

asym_bpm2i02WS_mean vs run
χ² / ndf 4258 / 41
p0 −1.588e+04 ± 235.6
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.68
Std Dev 0
20
15
10
5
0
−5
−10
−15
pull1D
Entries 42
Mean −3.259
Std Dev 4.176
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

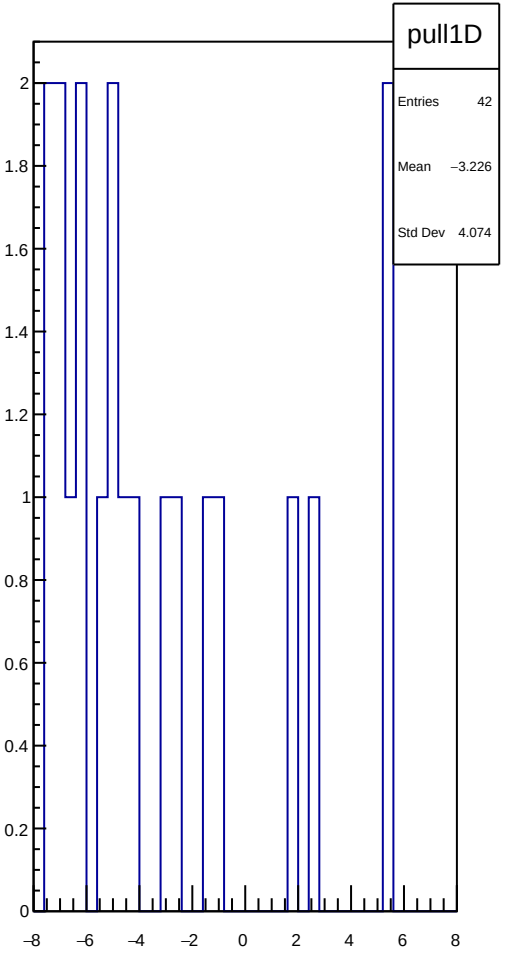

asym_bpm2i02WS_rms vs run
χ² / ndf 1.646e+04 / 41
p0 150.1 ± 0.1666
220
200
180
160
140
120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

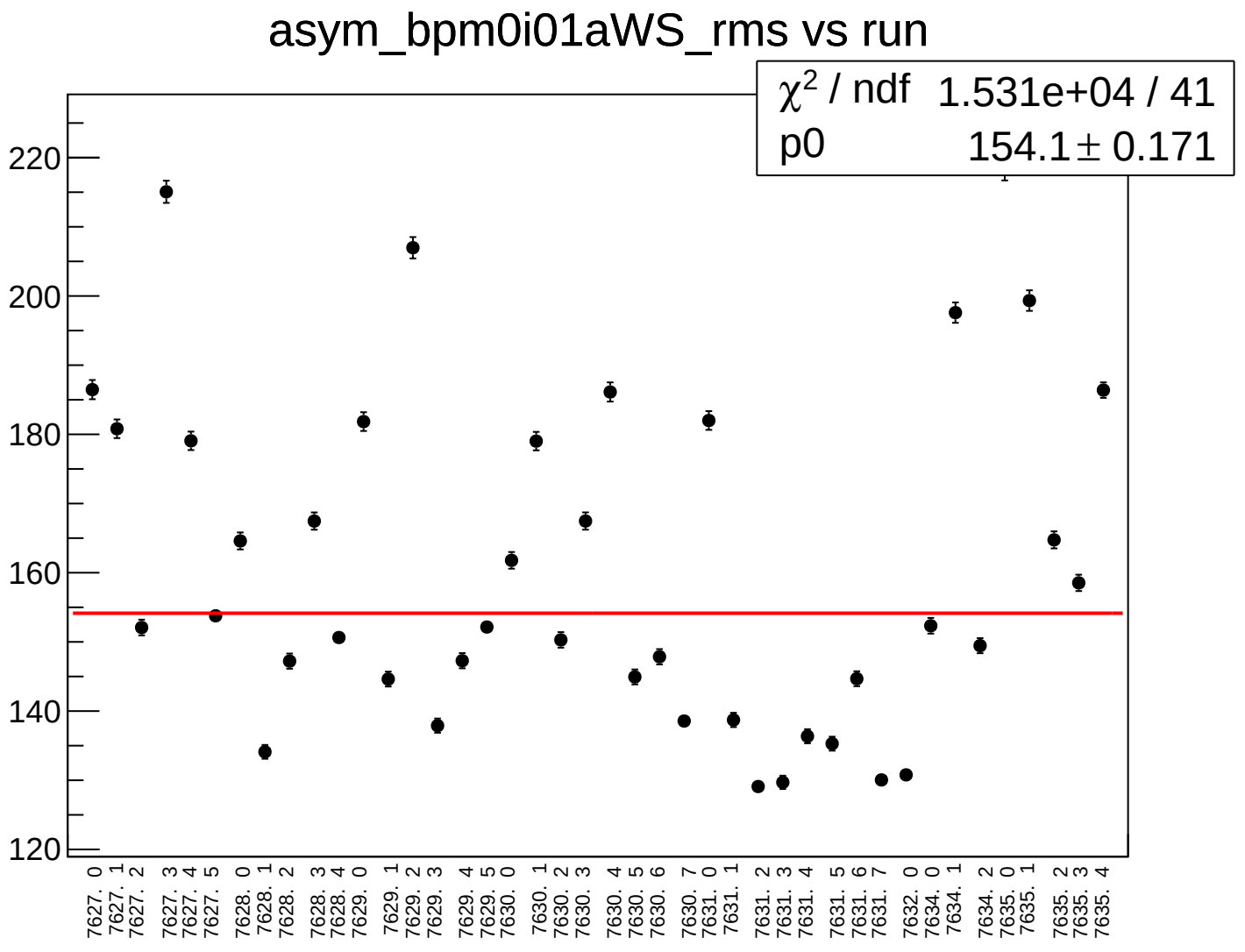

asym_bpm0i01WS_mean vs run
χ² / ndf 4936 / 41
p0 −2.064e+04 ± 277.8
pull
Entries 42
Mean −28.04
Std Dev 0

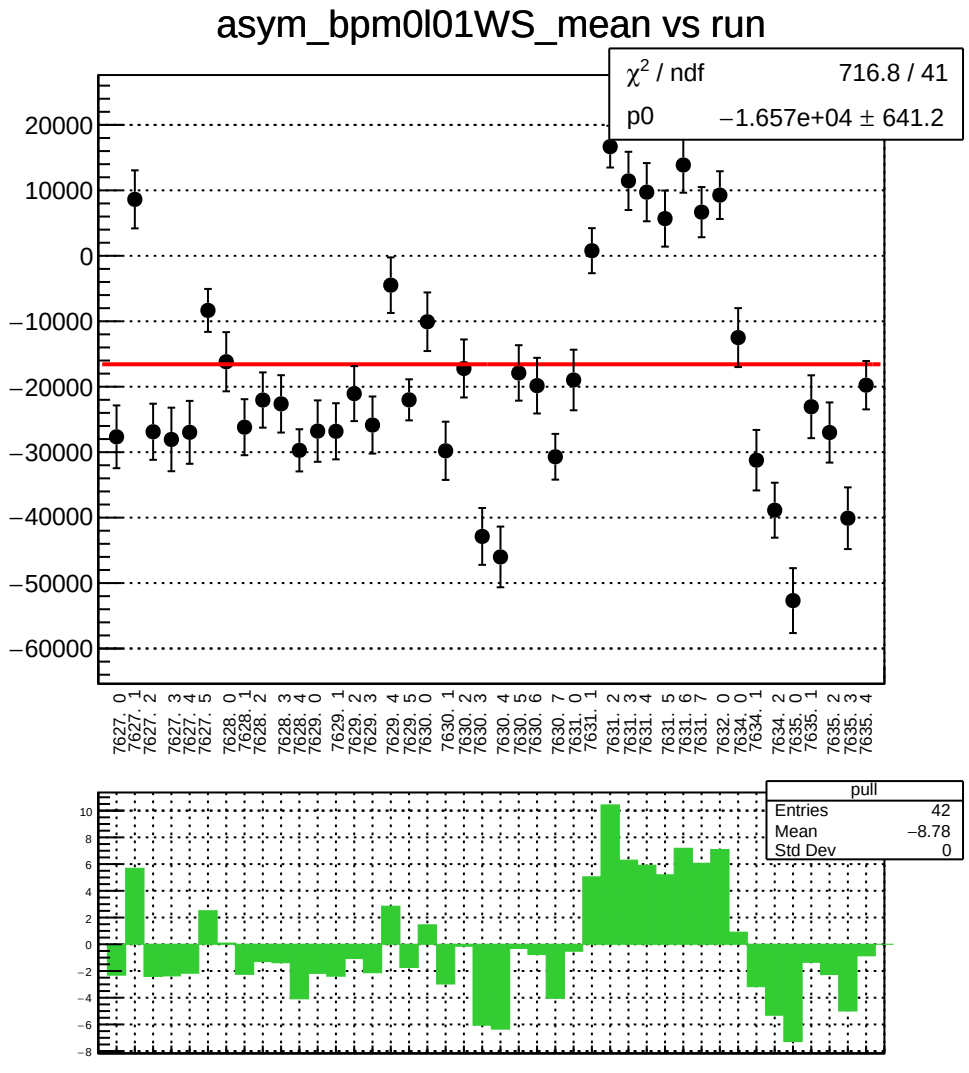

pull1D
Entries 42
Mean −3.204
Std Dev 3.866

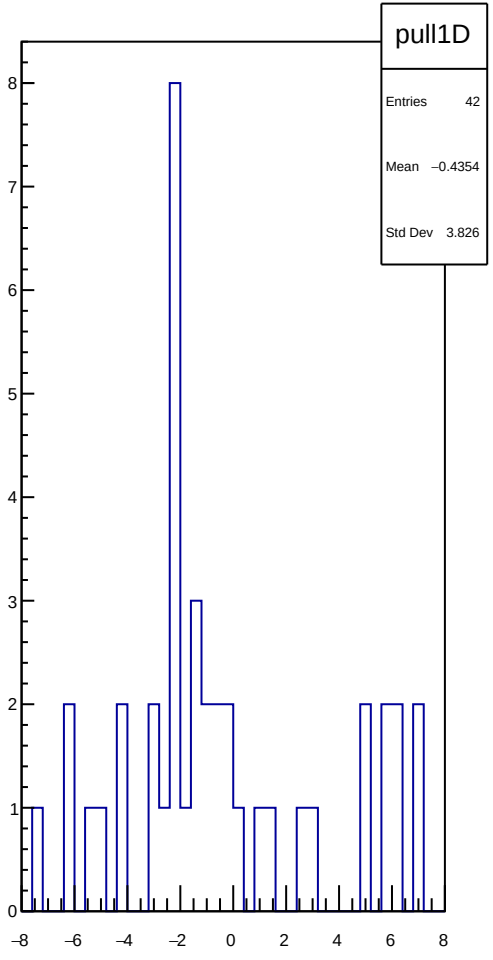

asym_bpm0i01WS_rms vs run
χ² / ndf 1.193e+04 / 41
p0 177.4 ± 0.1965
240
220
200
180
160
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

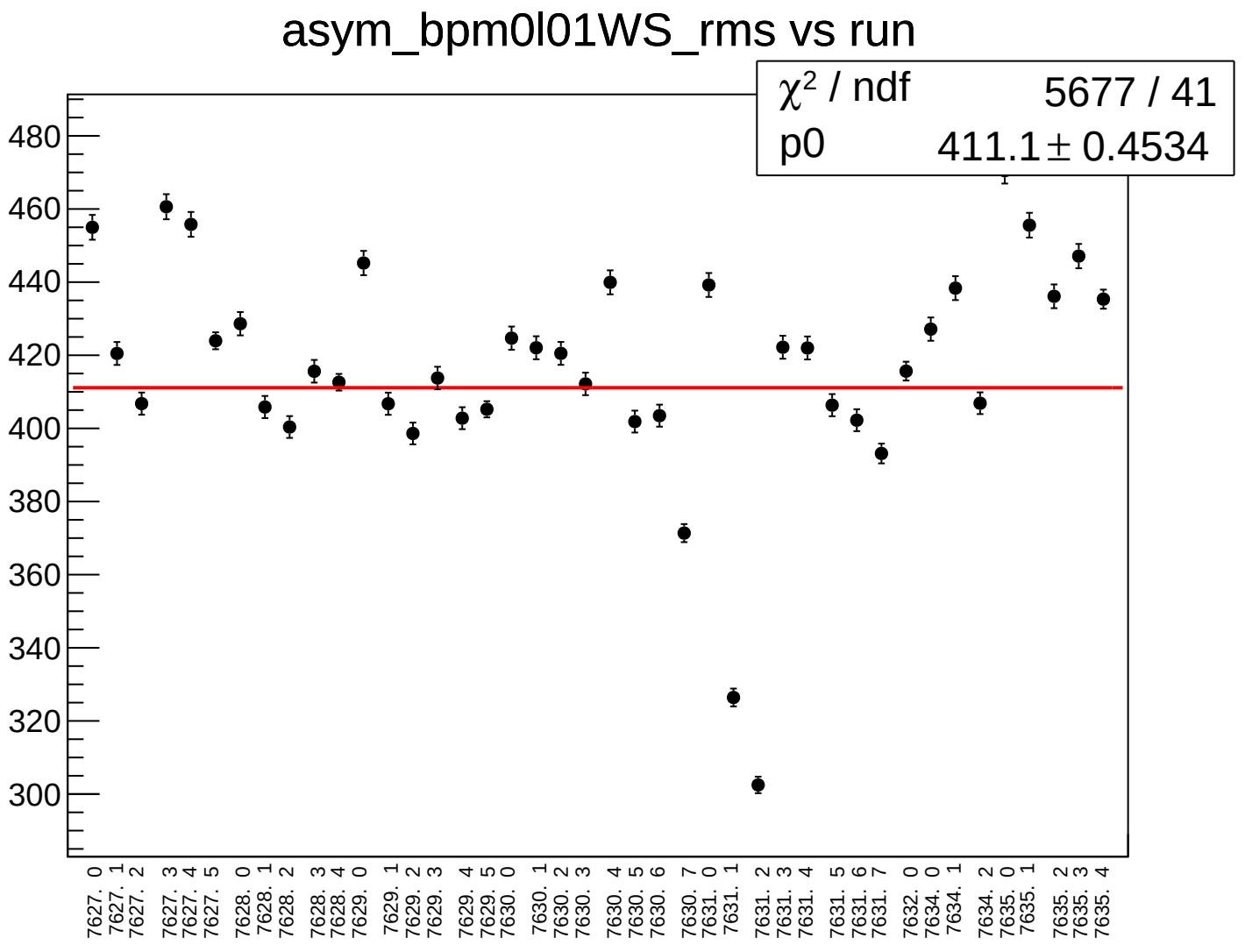

asym_bpm0i01aWS_mean vs run
χ² / ndf 6983 / 41
p0 −2.052e+04 ± 241.9
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −26.94
Std Dev 0
30
25
20
15
10
5
0
−5
−10
−15

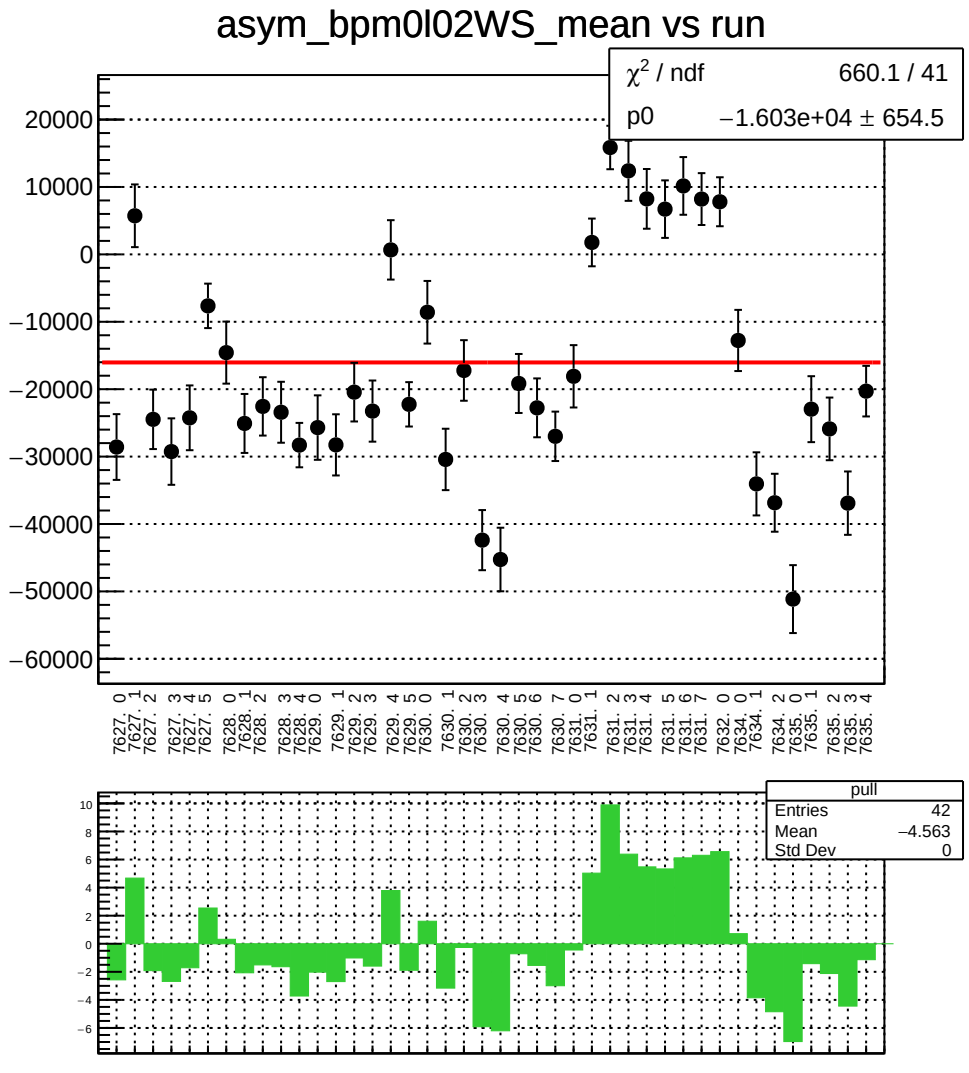

pull1D
Entries 42
Mean −3.226
Std Dev 4.074
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

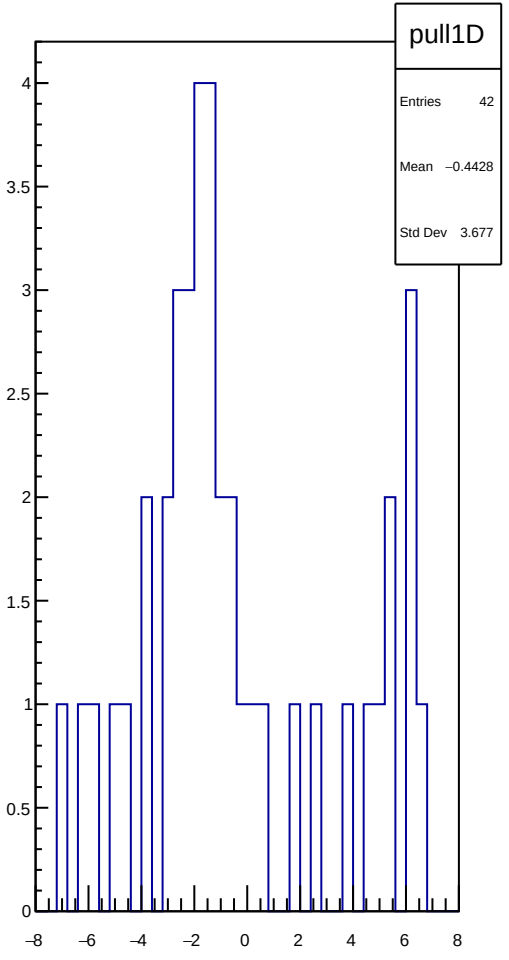

asym_bpm0i01aWS_rms vs run
χ² / ndf 1.531e+04 / 41
p0 154.1 ± 0.171
220
200
180
160
140
120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

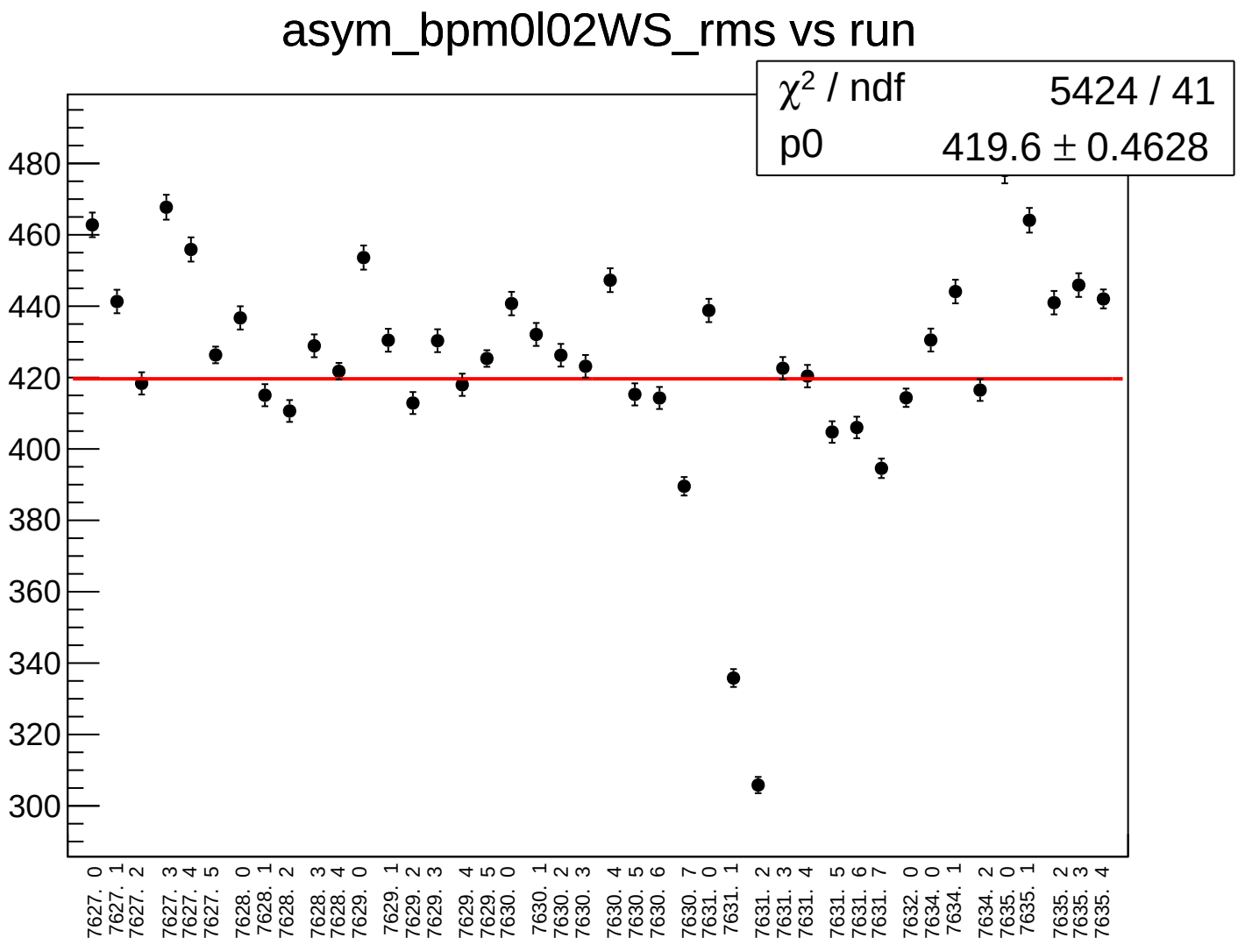

asym_bpm0l01WS_mean vs run
χ² / ndf 716.8 / 41
p0 −1.657e+04 ± 641.2
pull
Entries 42
Mean −8.78
Std Dev 0

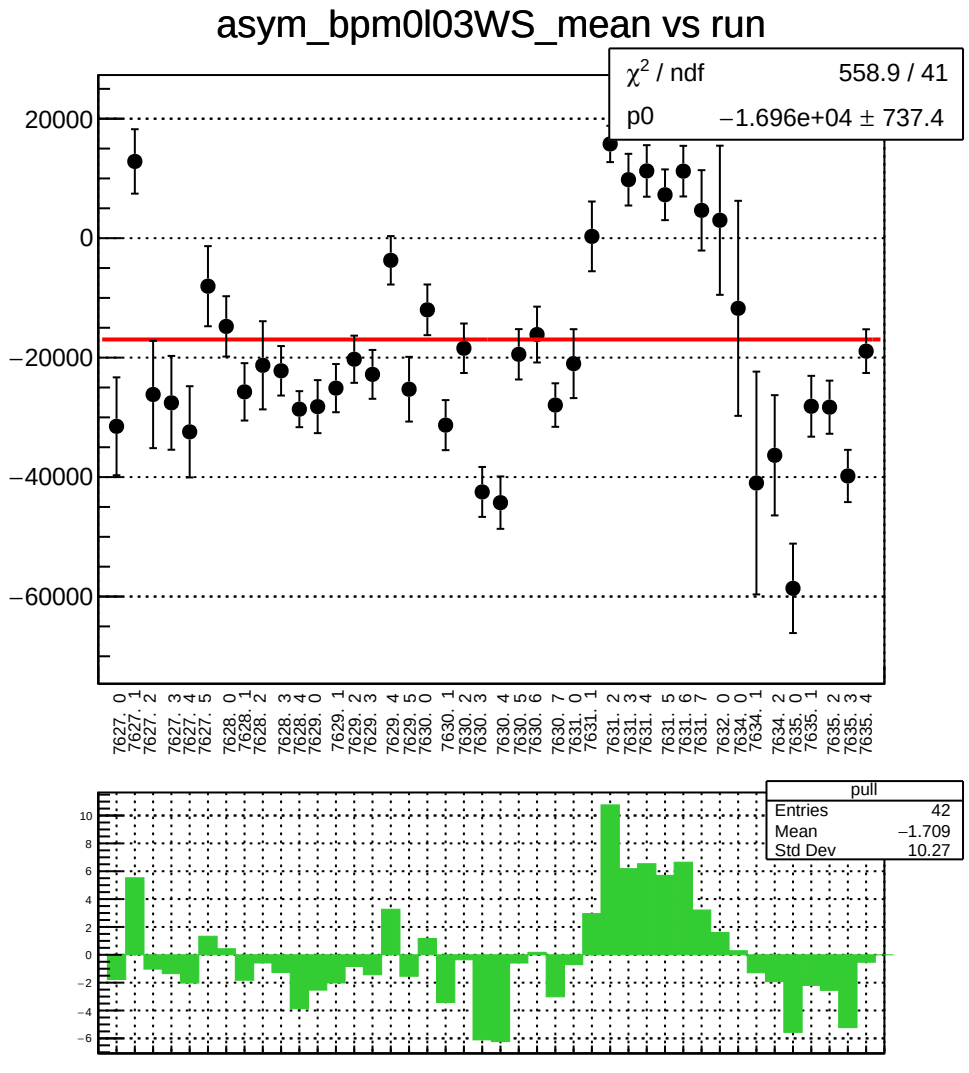

pull1D
Entries 42
Mean −0.4354
Std Dev 3.826

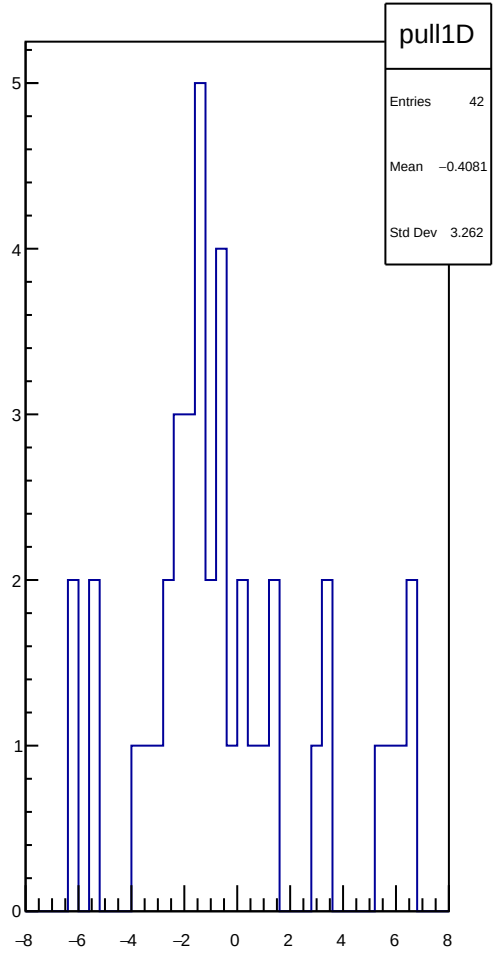

asym_bpm0l01WS_rms vs run
χ² / ndf 5677 / 41
p0 411.1 ± 0.4534
480
460
440
420
400
380
360
340
320
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

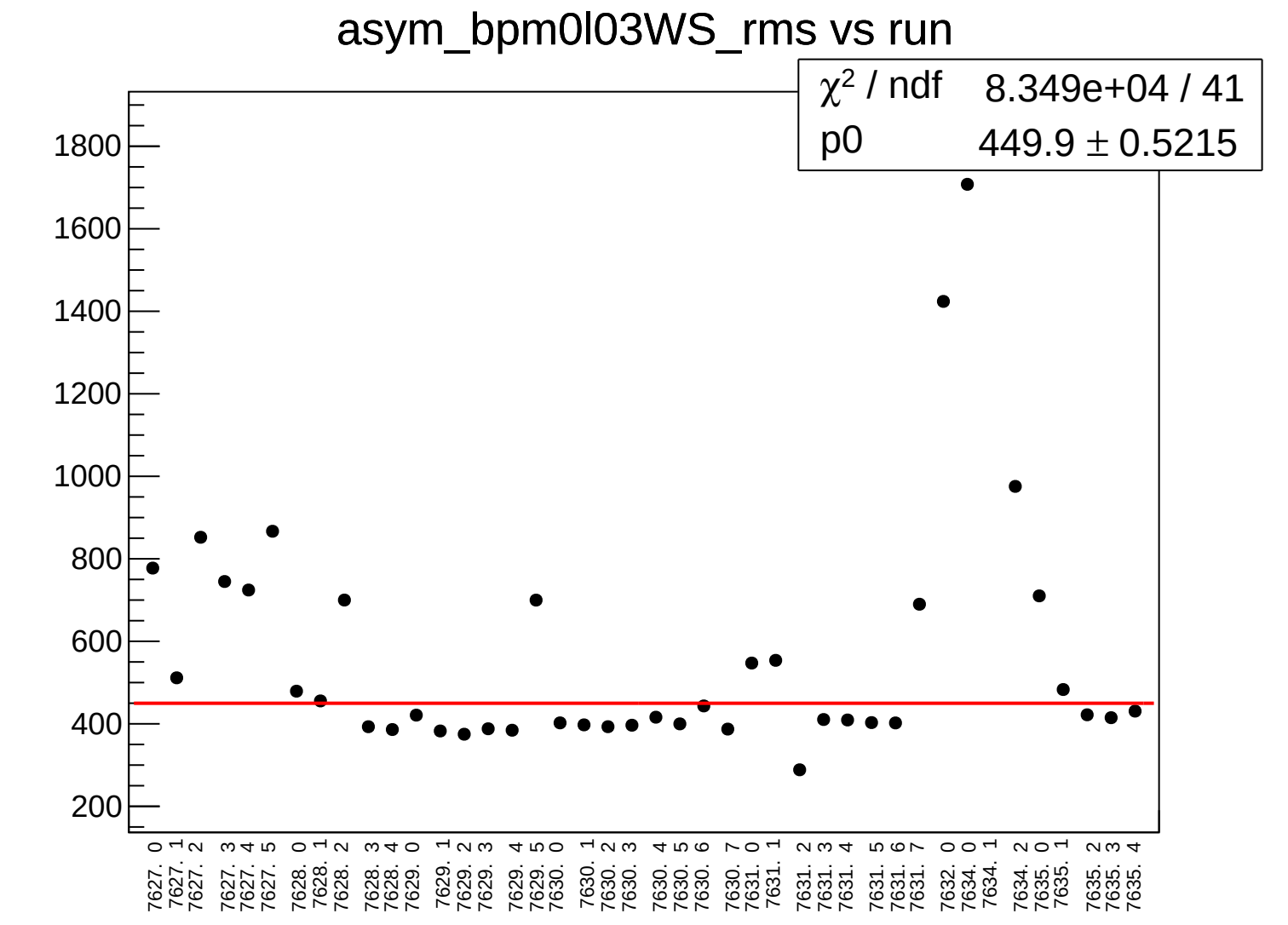

asym_bpm0l02WS_mean vs run
χ² / ndf 660.1 / 41
p0 −1.603e+04 ± 654.5
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4.563
Std Dev 0
10
8
6
4
2
0
−2
−4
−6

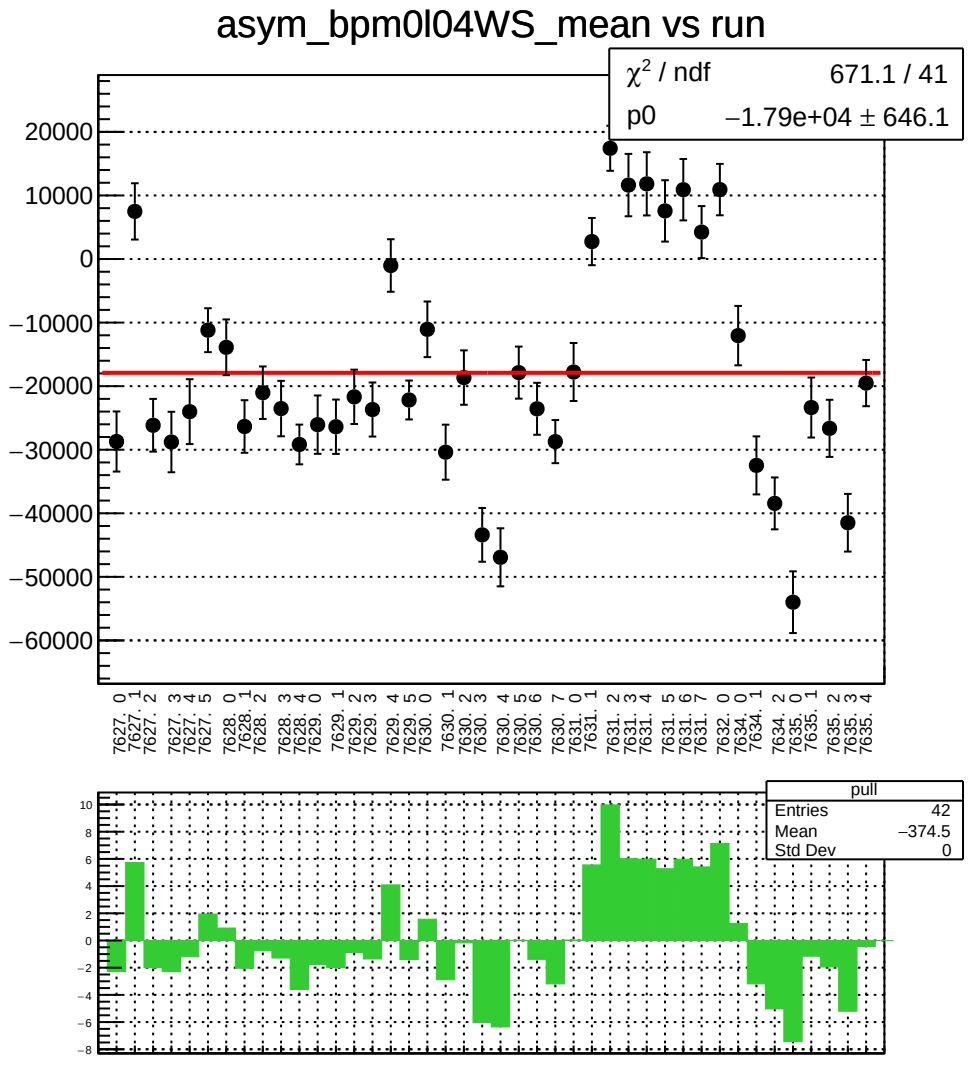

pull1D
Entries 42
Mean −0.4428
Std Dev 3.677
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

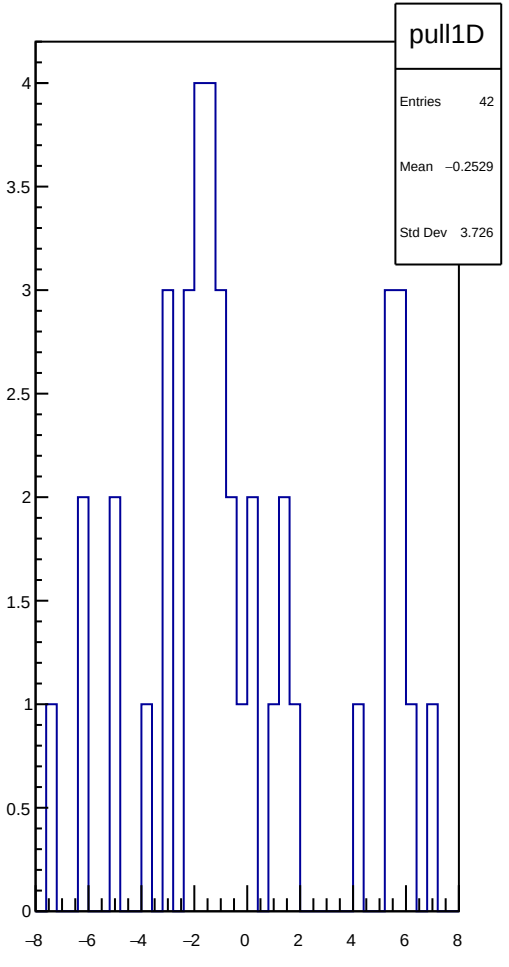

asym_bpm0l02WS_rms vs run
χ² / ndf 5424 / 41
p0 419.6 ± 0.4628
480
460
440
420
400
380
360
340
320
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

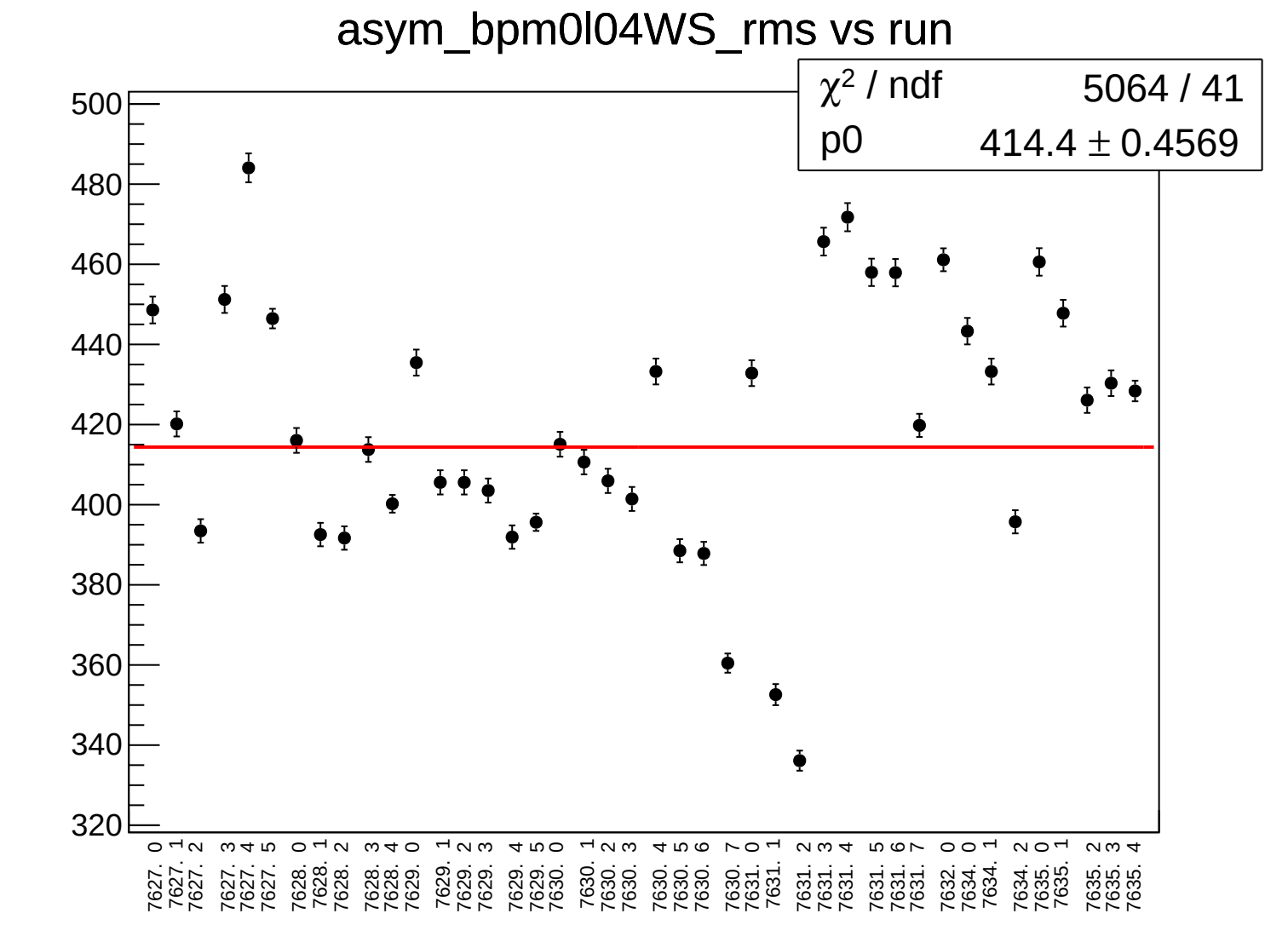

asym_bpm0l03WS_mean vs run
χ² / ndf 558.9 / 41
p0 −1.696e+04 ± 737.4
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.709
Std Dev 10.27
10
8
6
4
2
0
−2
−4
−6

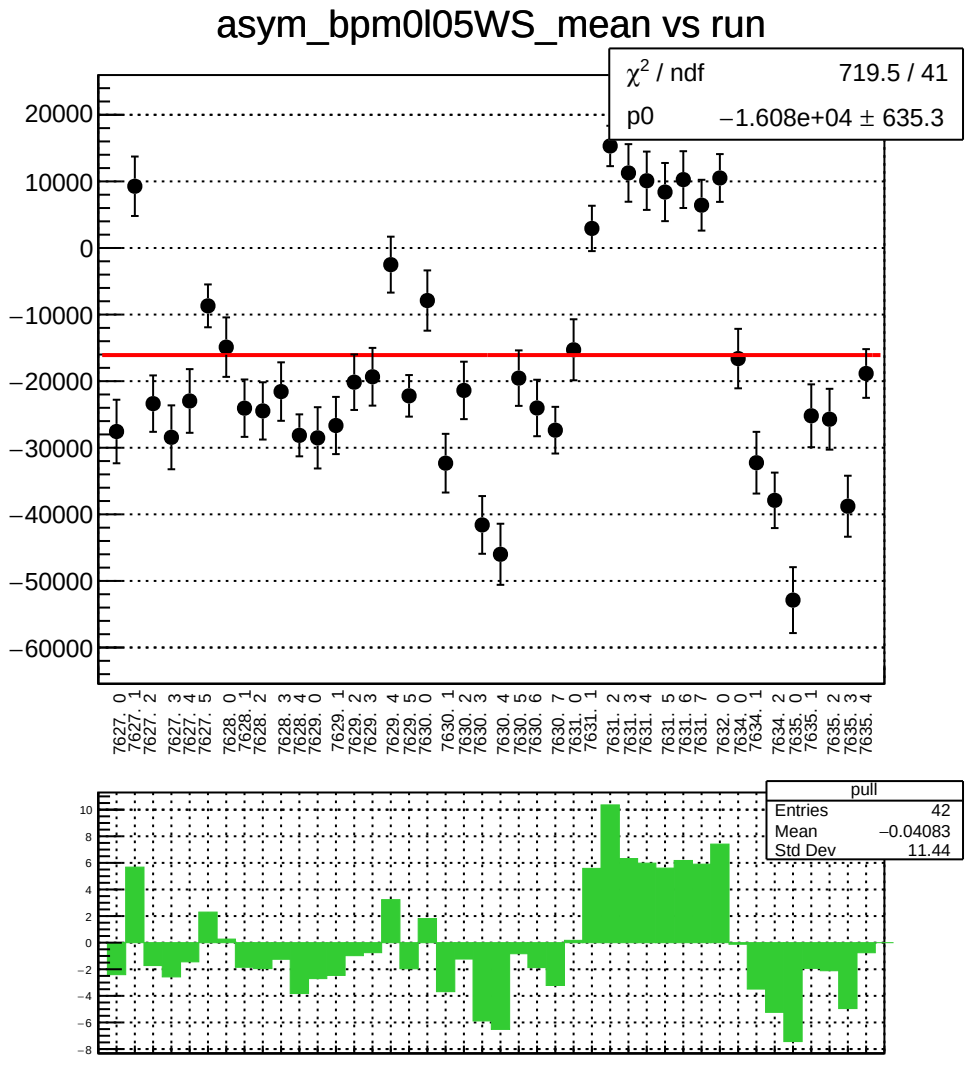

pull1D
Entries 42
Mean −0.4081
Std Dev 3.262
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

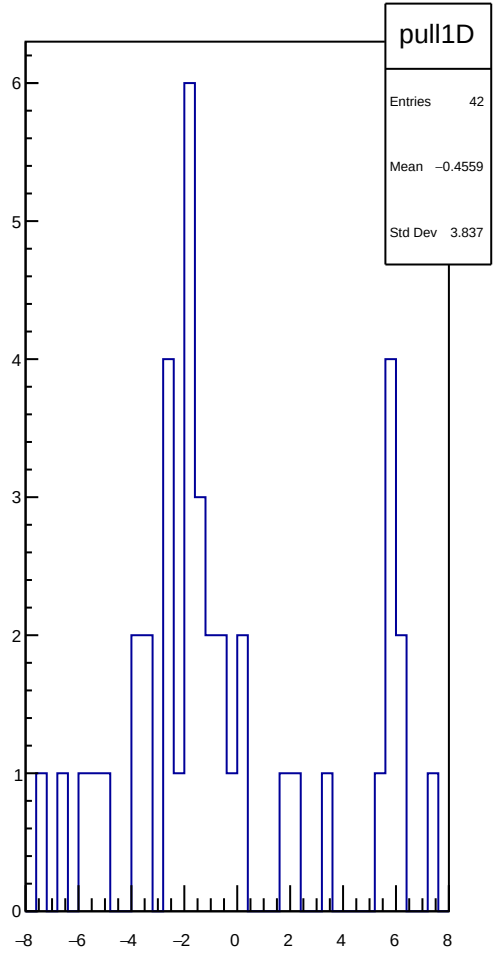

asym_bpm0l03WS_rms vs run
χ² / ndf 8.349e+04 / 41
p0 449.9 ± 0.5215
1800
1600
1400
1200
1000
800
600
400
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

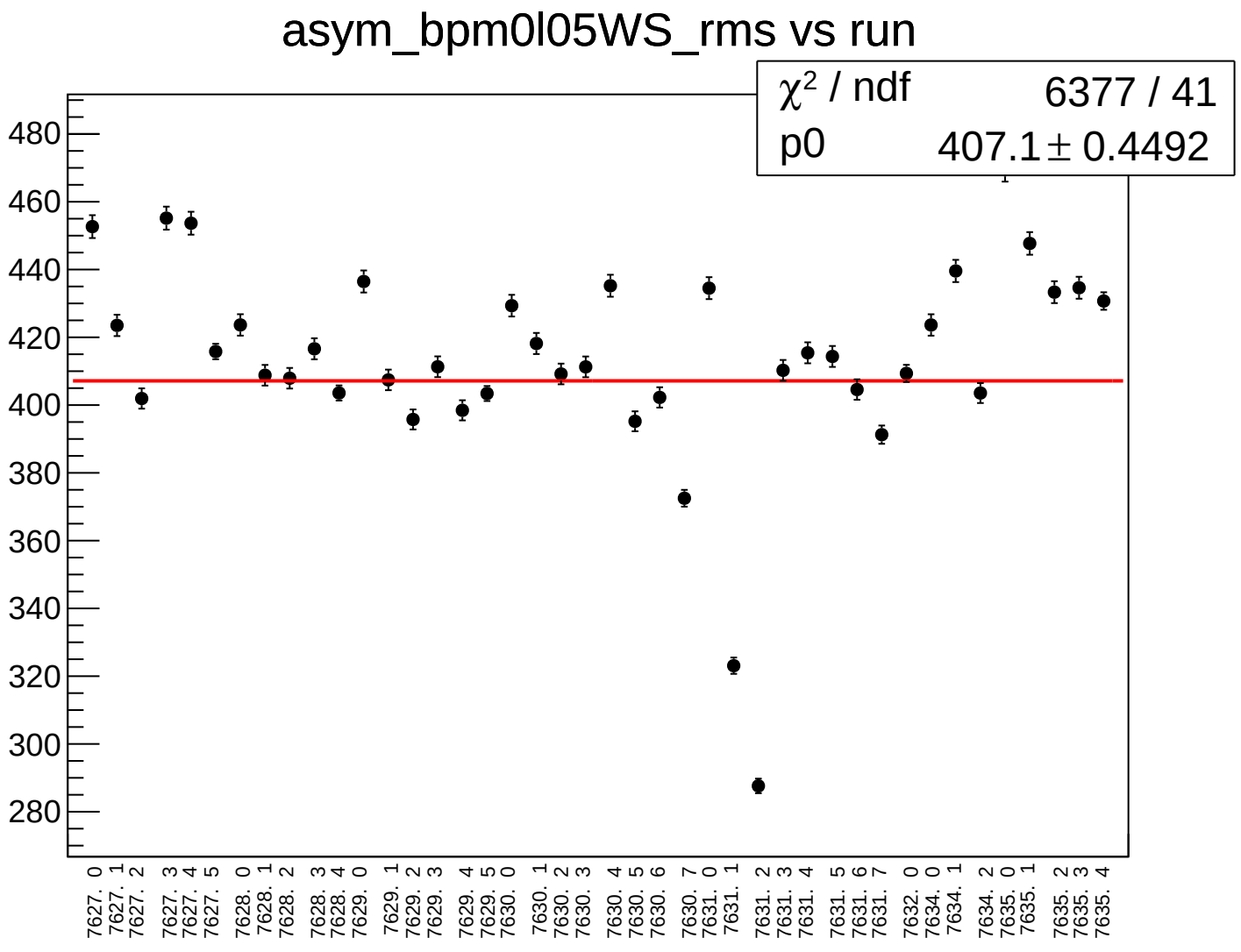

asym_bpm0l04WS_mean vs run
χ² / ndf 671.1 / 41
p0 −1.79e+04 ± 646.1
pull
Entries 42
Mean −374.5
Std Dev 0

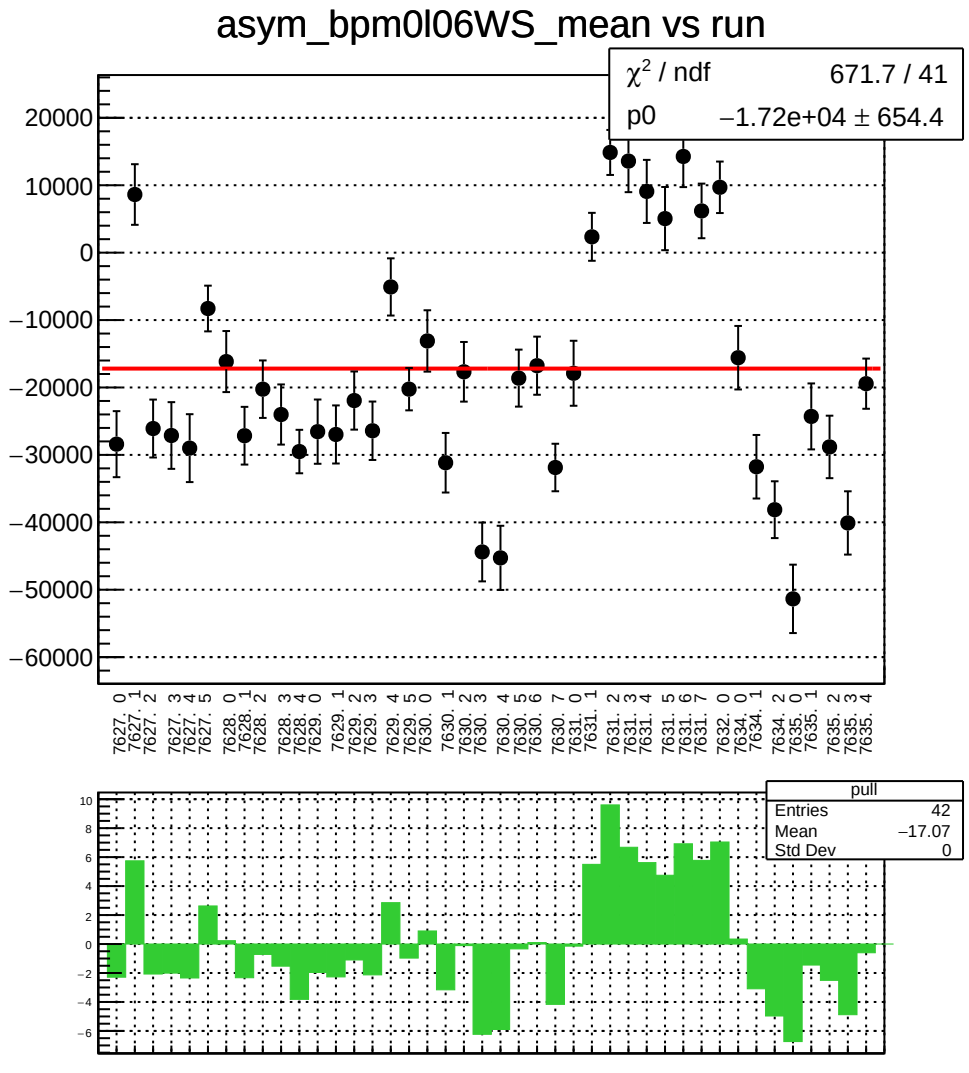

pull1D
Entries 42
Mean −0.2529
Std Dev 3.726

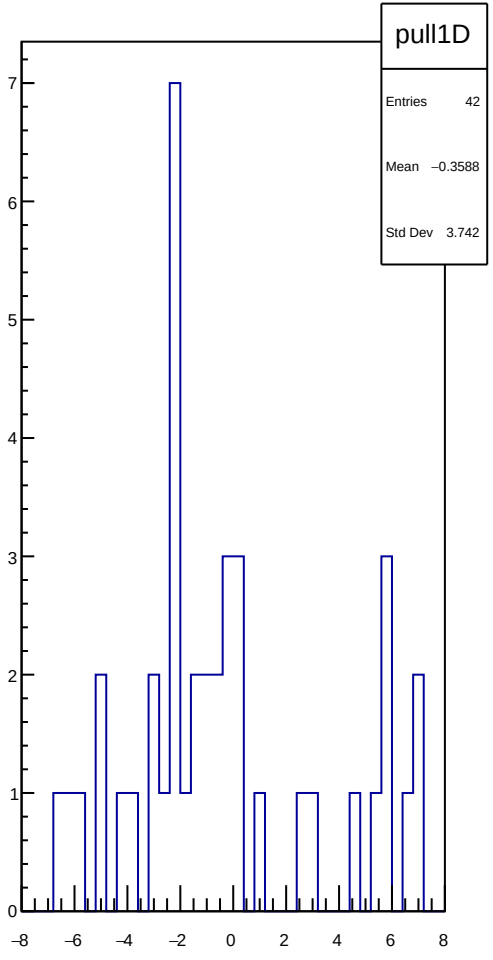

asym_bpm0l04WS_rms vs run
χ² / ndf 5064 / 41
p0 414.4 ± 0.4569
500
480
460
440
420
400
380
360
340
320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

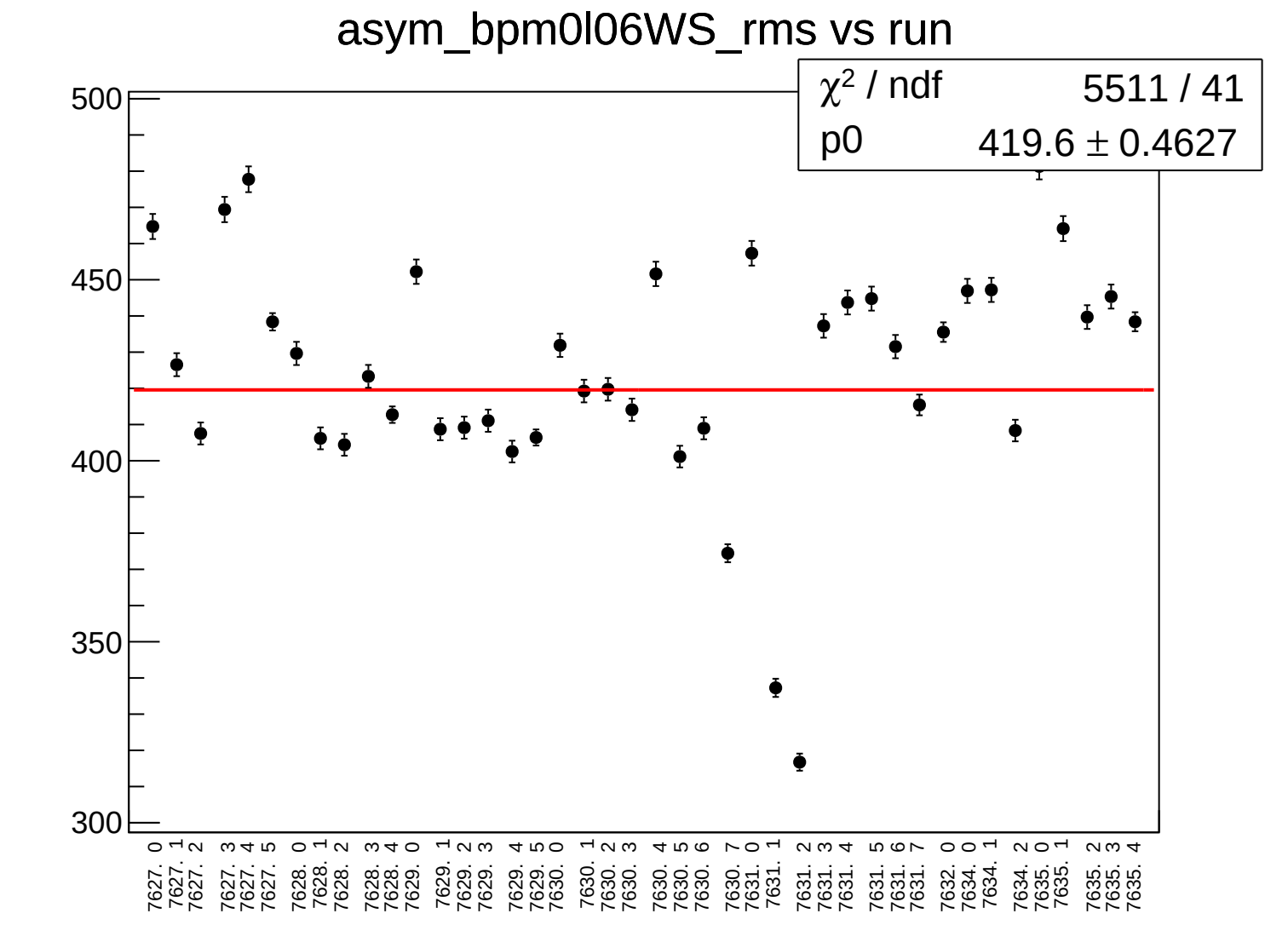

asym_bpm0l05WS_mean vs run
χ² / ndf 719.5 / 41
p0 −1.608e+04 ± 635.3
pull
Entries 42
Mean −0.04083
Std Dev 11.44

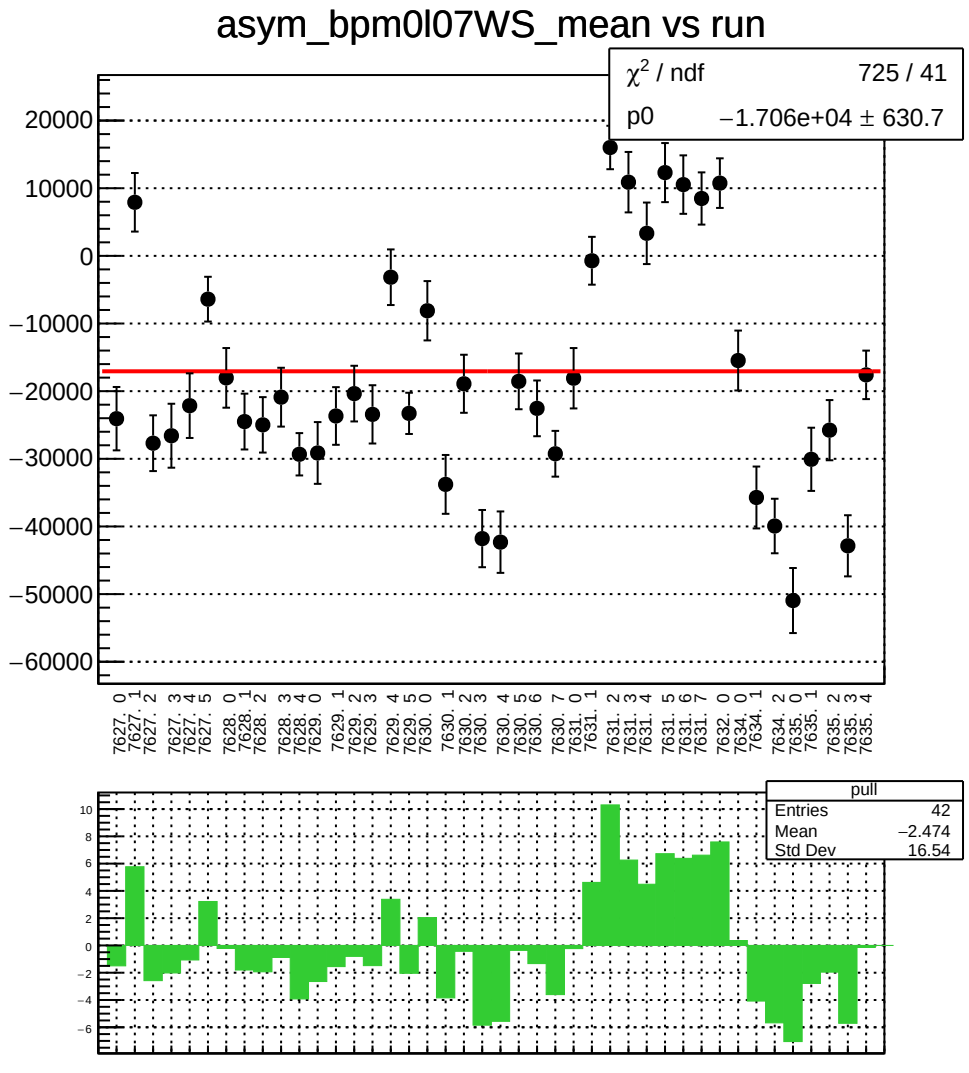

pull1D
Entries 42
Mean −0.4559
Std Dev 3.837

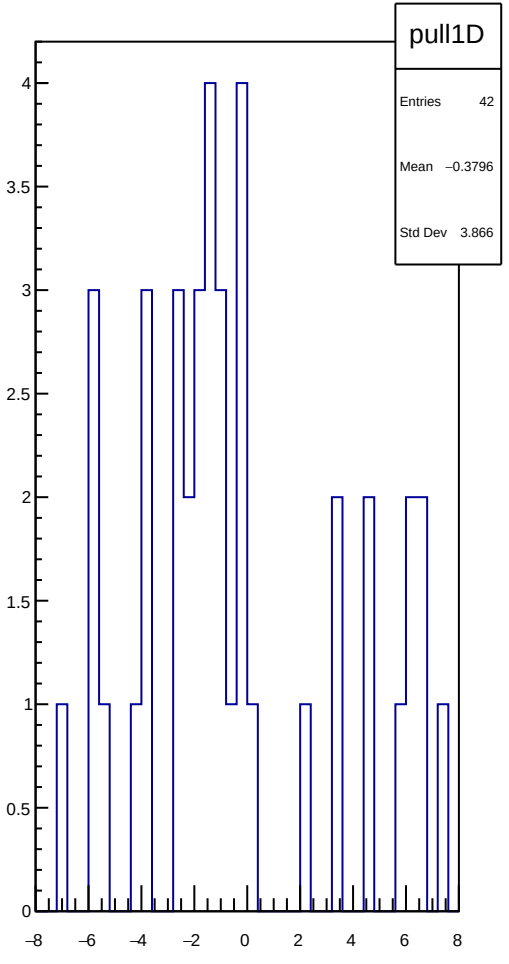

asym_bpm0l05WS_rms vs run
χ² / ndf 6377 / 41
p0 407.1 ± 0.4492
480
460
440
420
400
380
360
340
320
300
280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

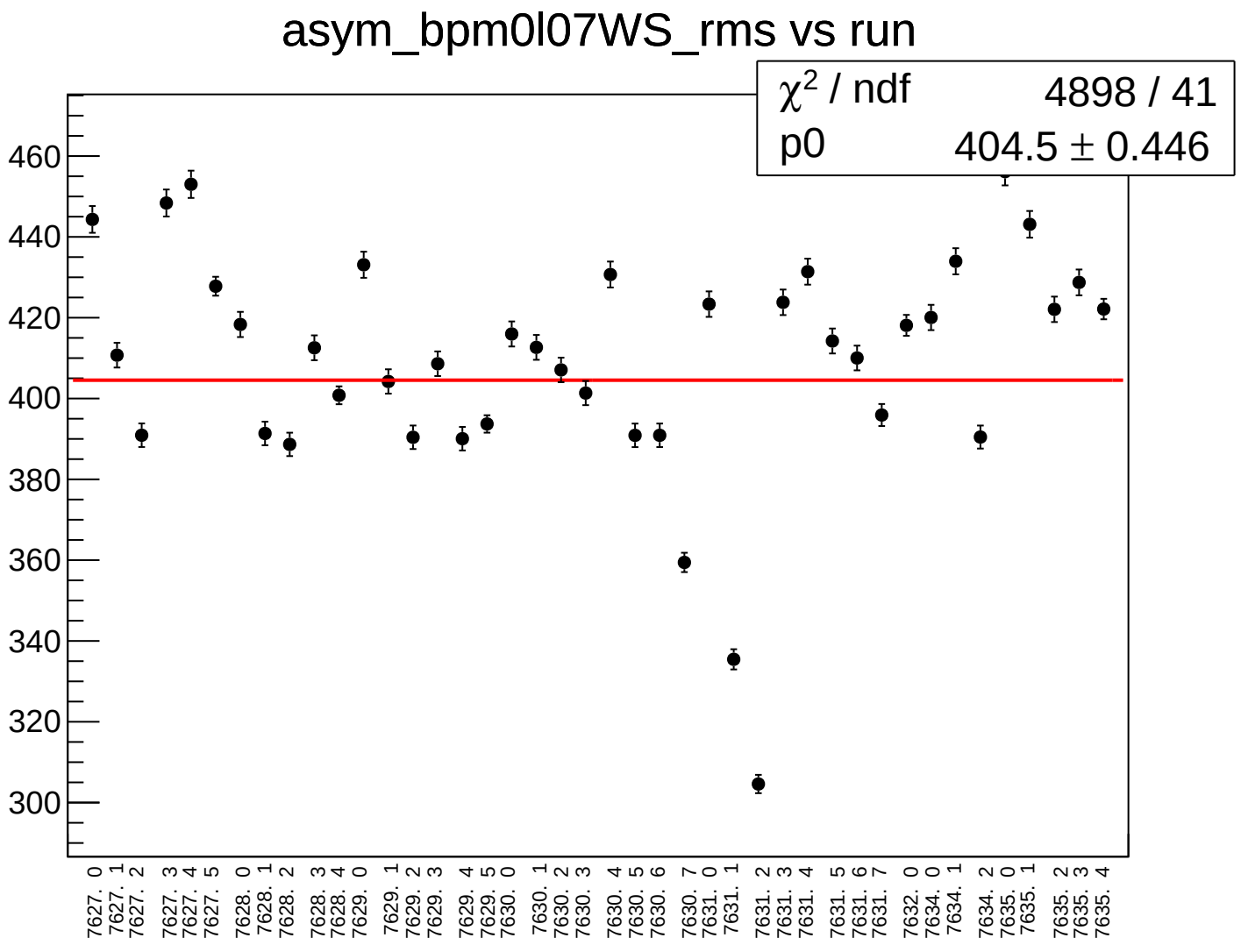

asym_bpm0l06WS_mean vs run
χ² / ndf 671.7 / 41
p0 −1.72e+04 ± 654.4
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −17.07
Std Dev 0
10
8
6
4
2
0
−2
−4
−6

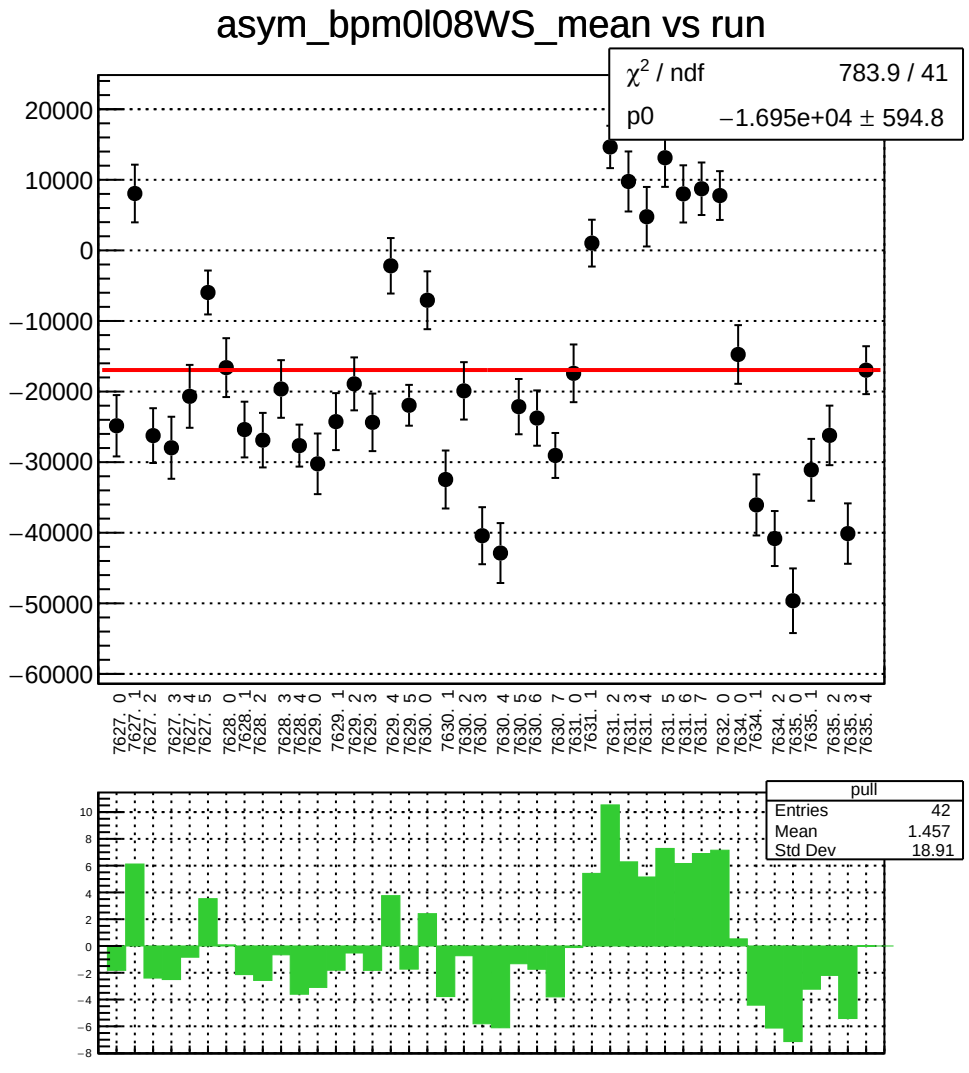

pull1D
Entries 42
Mean −0.3588
Std Dev 3.742
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

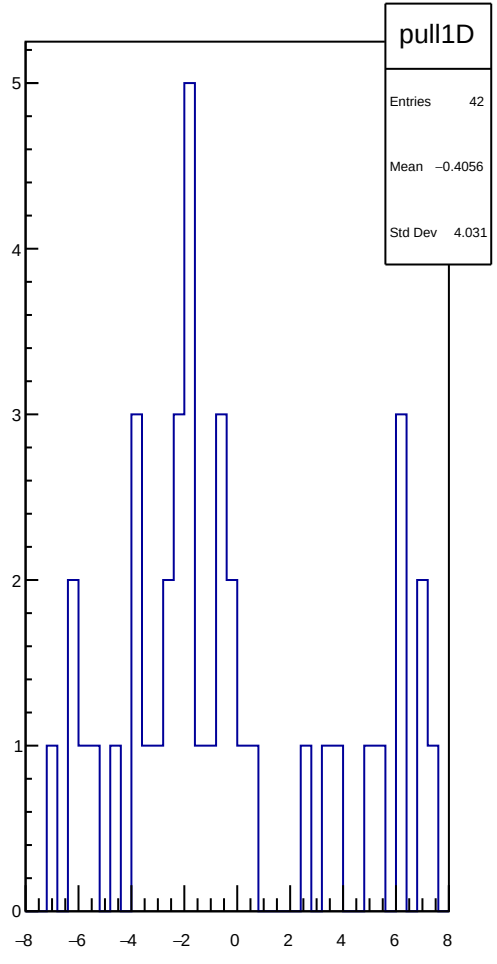

asym_bpm0l06WS_rms vs run
χ² / ndf 5511 / 41
p0 419.6 ± 0.4627
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

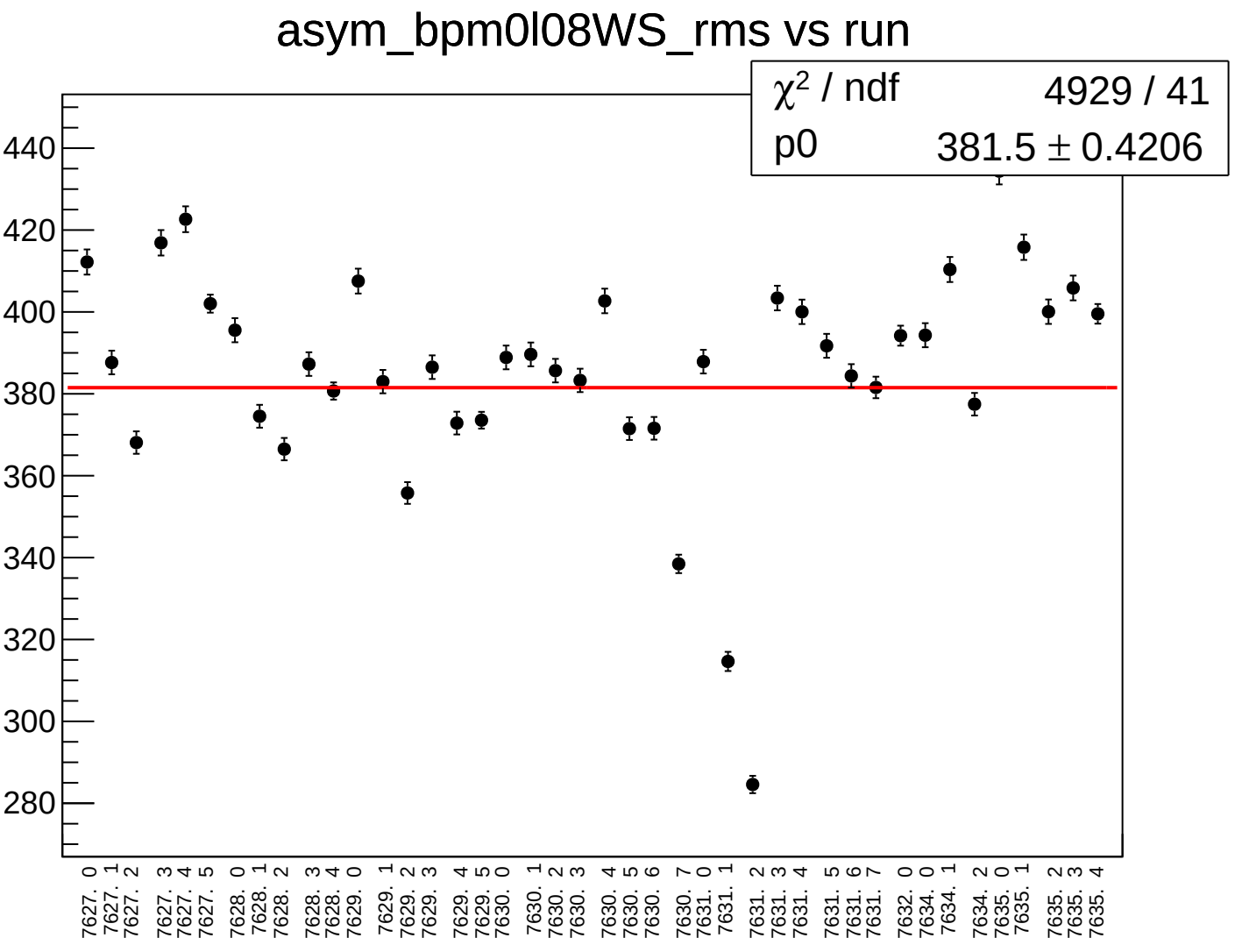

asym_bpm0l07WS_mean vs run
χ² / ndf 725 / 41
p0 −1.706e+04 ± 630.7
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.474
Std Dev 16.54
10
8
6
4
2
0
−2
−4
−6

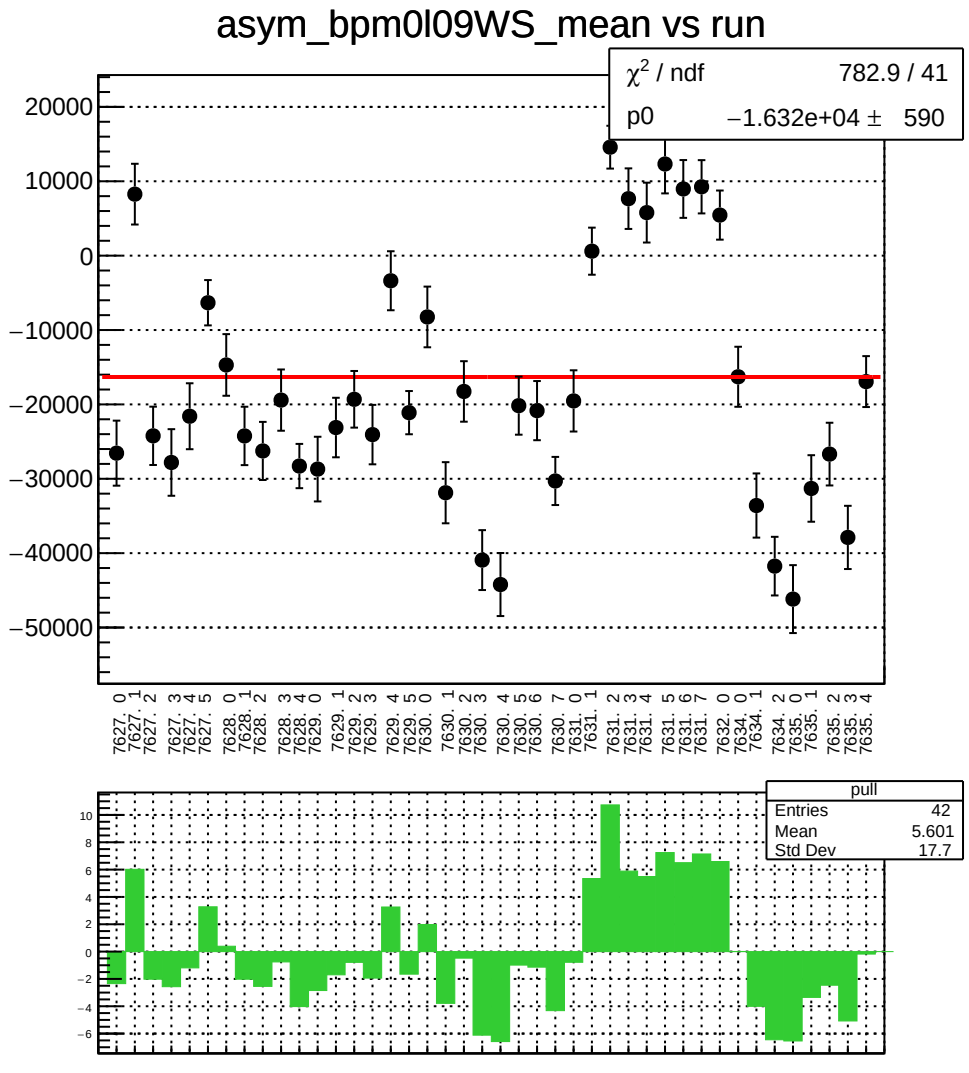

pull1D
Entries 42
Mean −0.3796
Std Dev 3.866
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

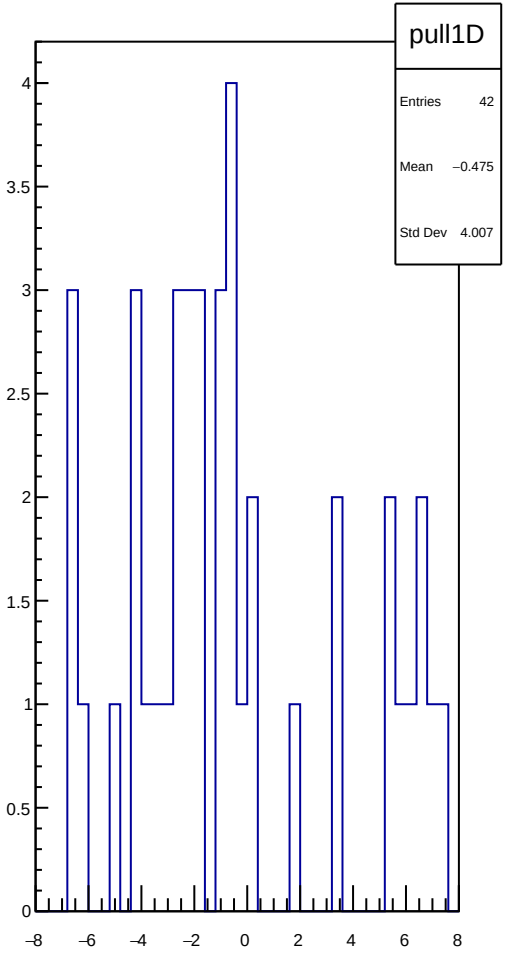

asym_bpm0l07WS_rms vs run
χ² / ndf 4898 / 41
p0 404.5 ± 0.446
460
440
420
400
380
360
340
320
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

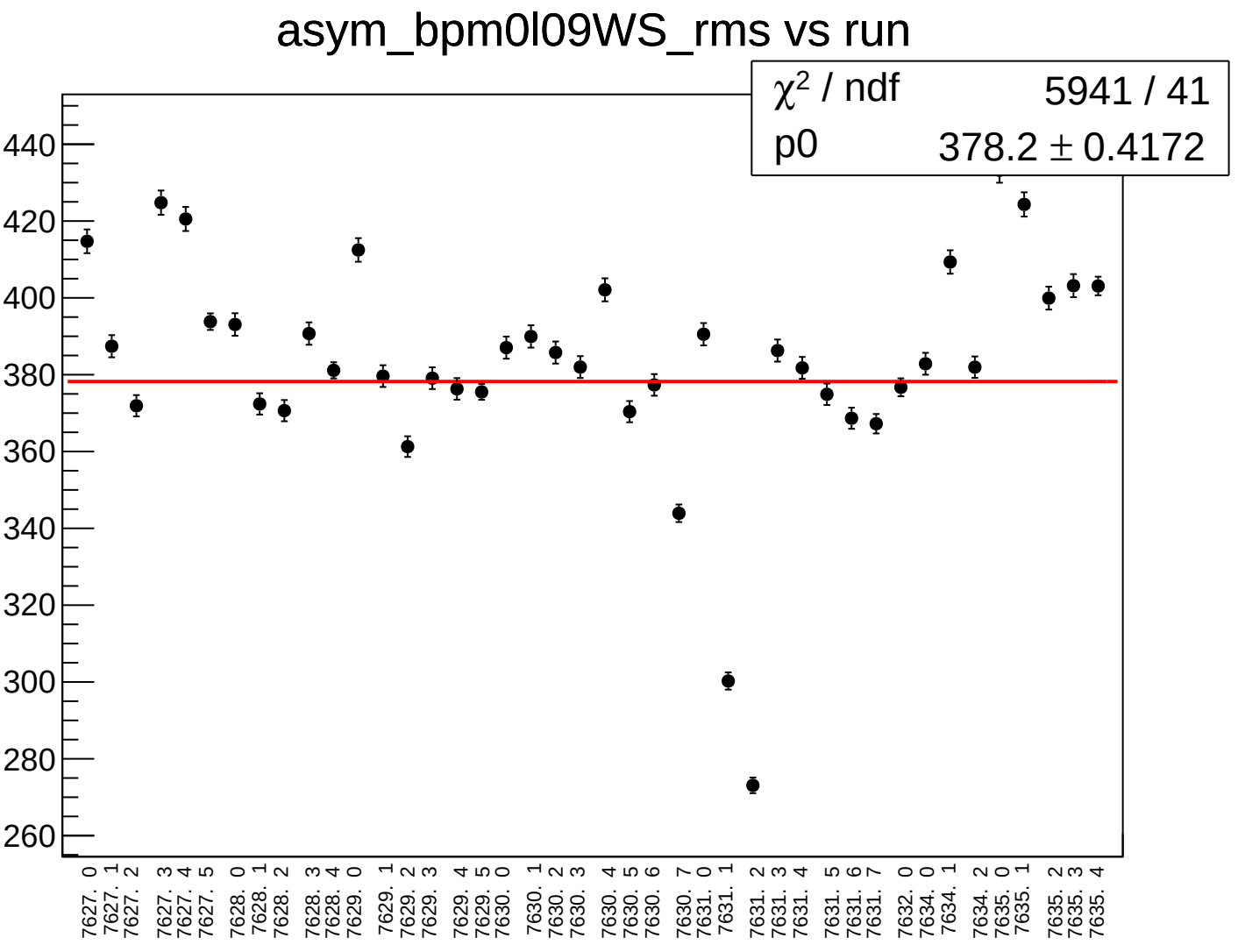

asym_bpm0l08WS_mean vs run
χ² / ndf 783.9 / 41
p0 −1.695e+04 ± 594.8
pull
Entries 42
Mean 1.457
Std Dev 18.91

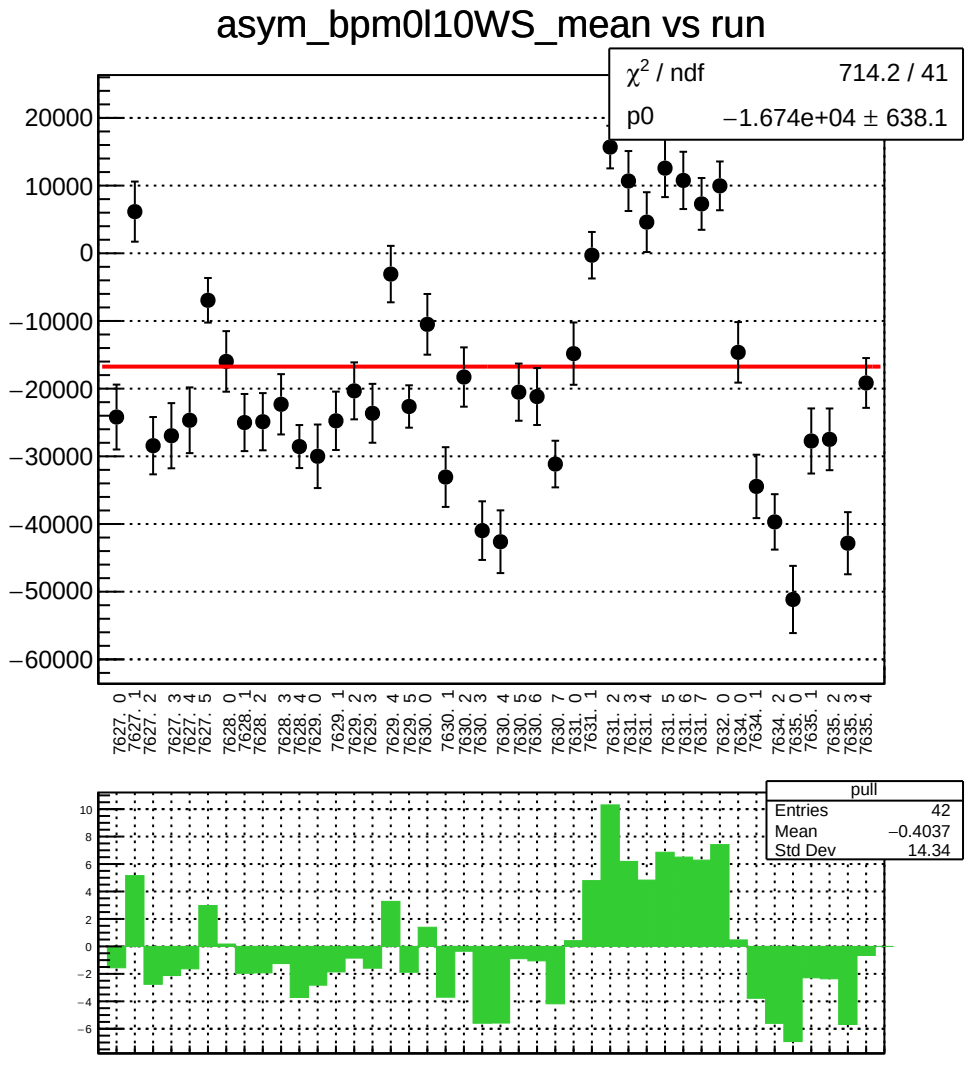

pull1D
Entries 42
Mean −0.4056
Std Dev 4.031

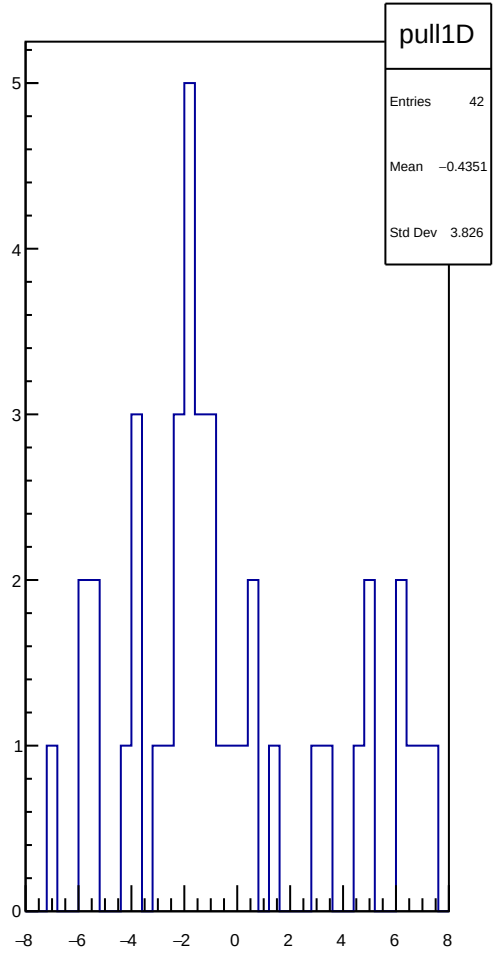

asym_bpm0l08WS_rms vs run
χ² / ndf 4929 / 41
p0 381.5 ± 0.4206
440
420
400
380
360
340
320
300
280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

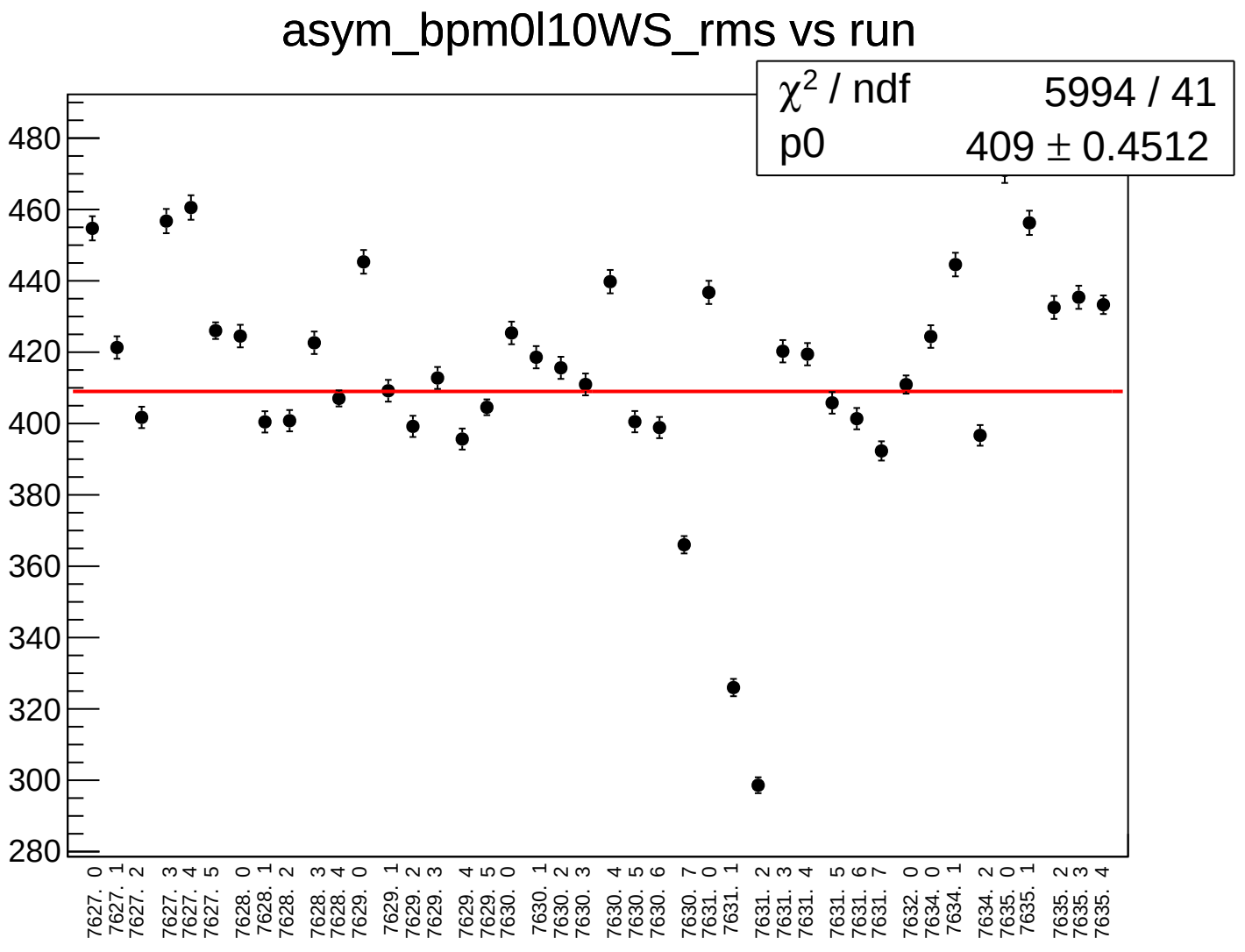

asym_bpm0l09WS_mean vs run
χ² / ndf 782.9 / 41
p0 −1.632e+04 ± 590
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 5.601
Std Dev 17.7
10
8
6
4
2
0
−2
−4
−6

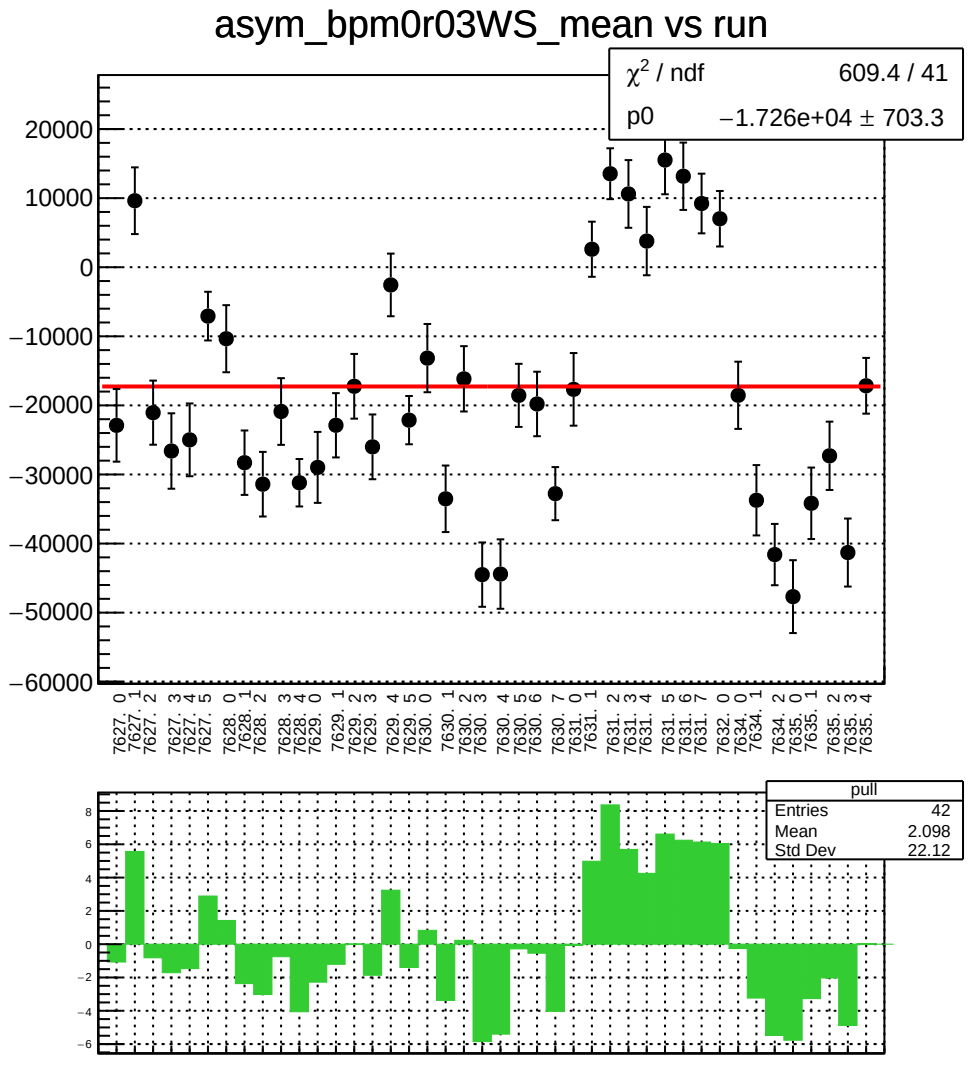

pull1D
Entries 42
Mean −0.475
Std Dev 4.007
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

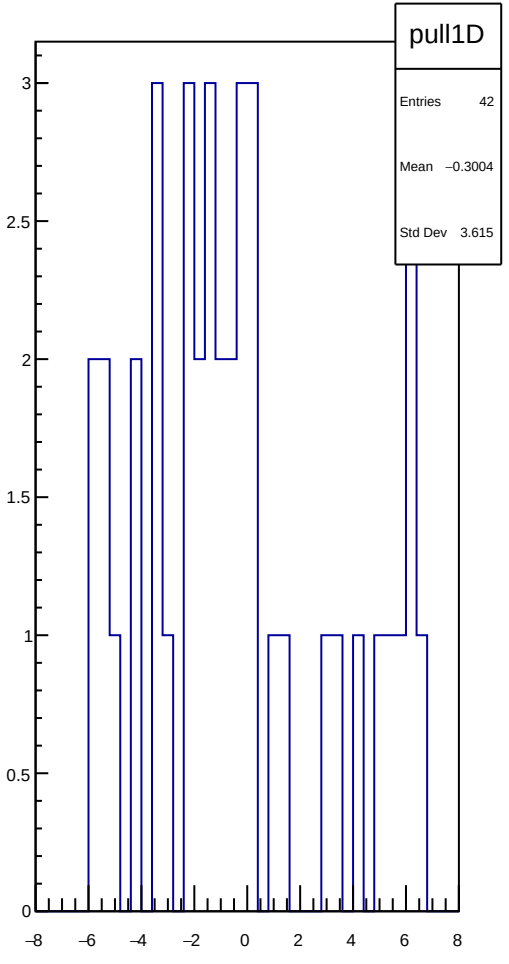

asym_bpm0l09WS_rms vs run
χ^2 / ndf 5941 / 41
p0 378.2 ± 0.4172
440
420
400
380
360
340
320
300
280
260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

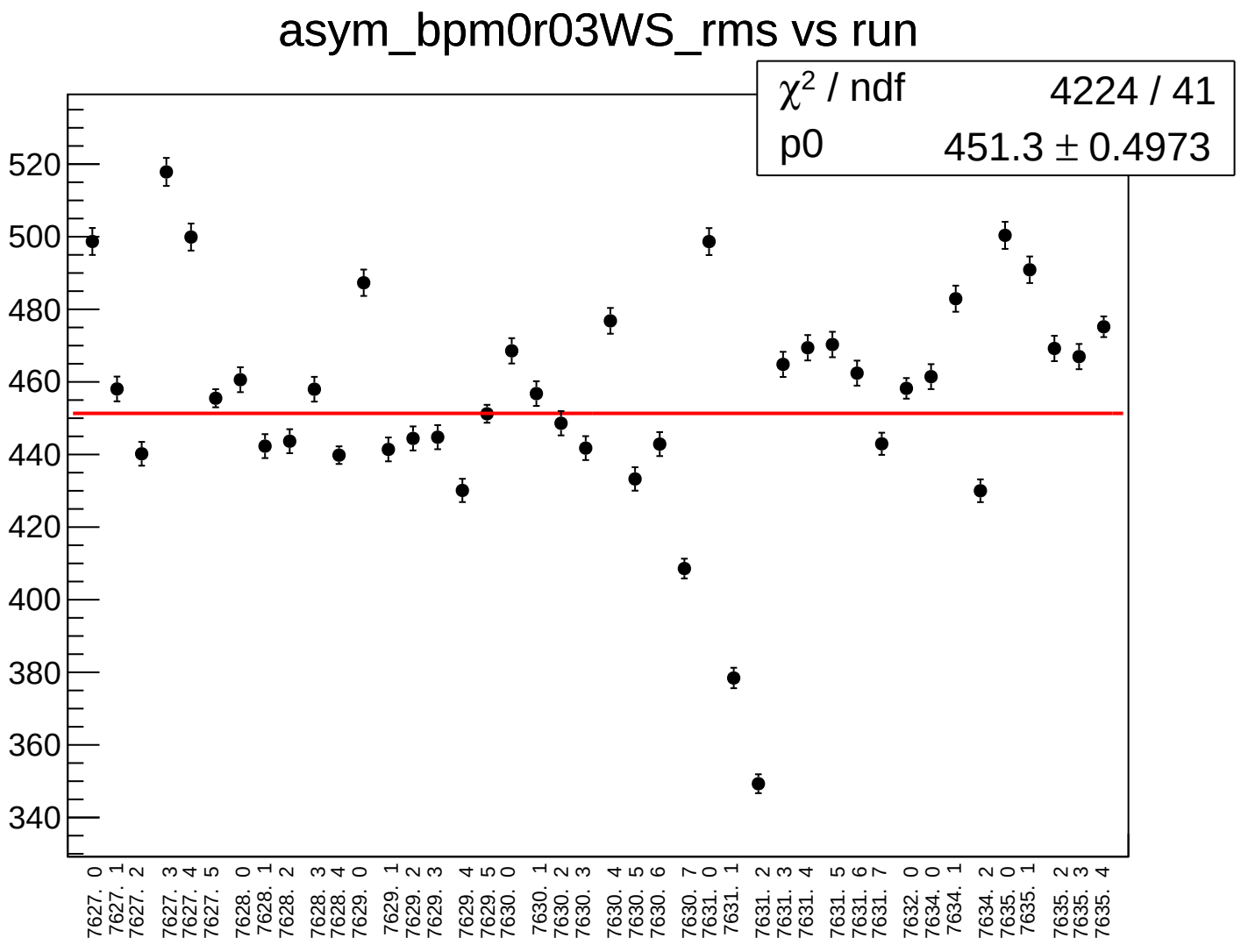

asym_bpm0l10WS_mean vs run
χ² / ndf 714.2 / 41
p0 −1.674e+04 ± 638.1
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −0.4037
Std Dev 14.34
10
8
6
4
2
0
−2
−4
−6

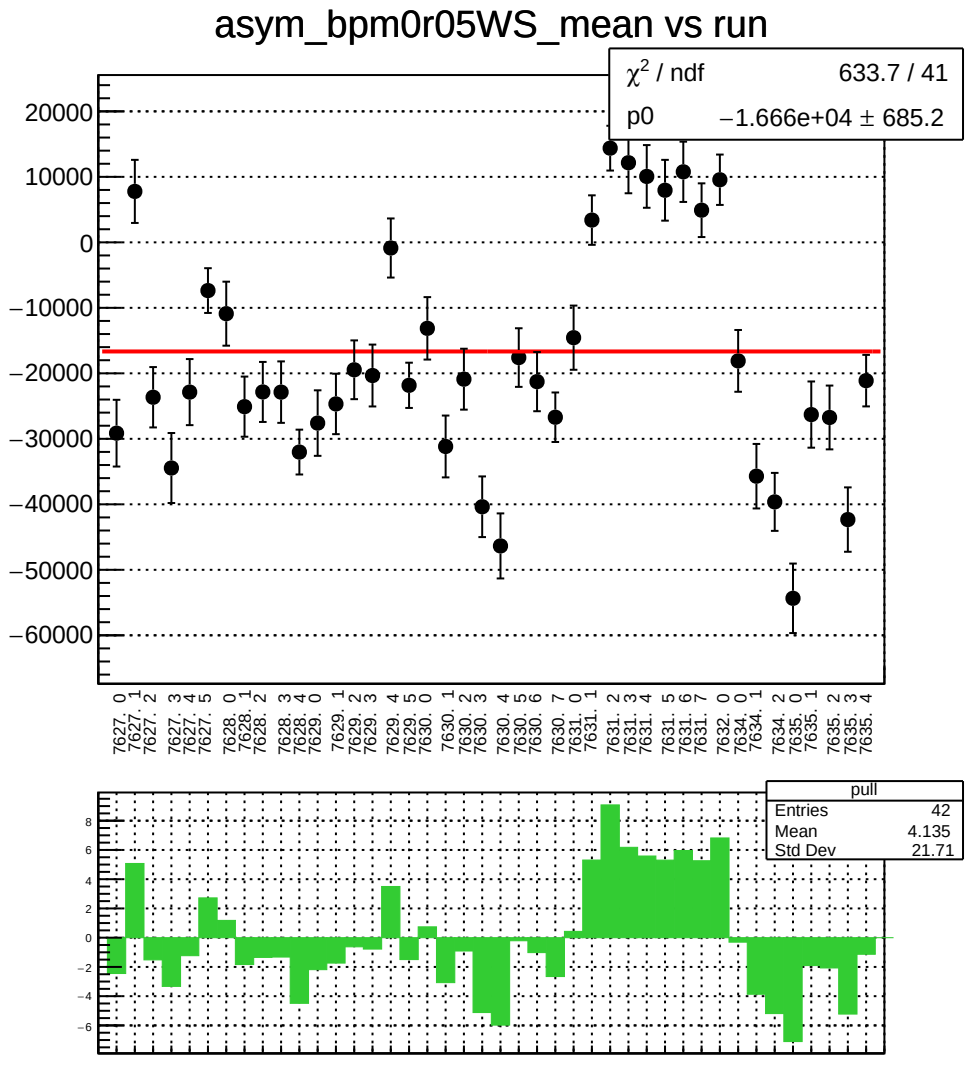

pull1D
Entries 42
Mean −0.4351
Std Dev 3.826
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

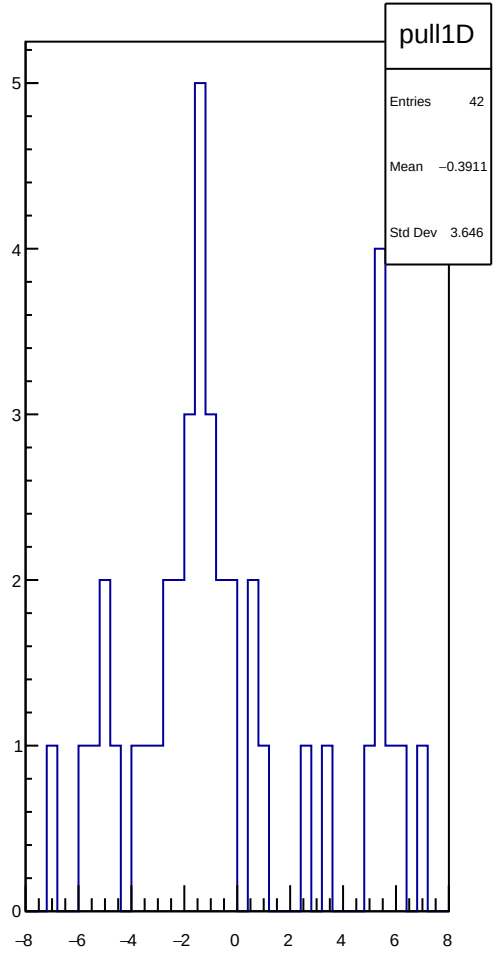

asym_bpm0l10WS_rms vs run
χ² / ndf 5994 / 41
p0 409 ± 0.4512
480
460
440
420
400
380
360
340
320
300
280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

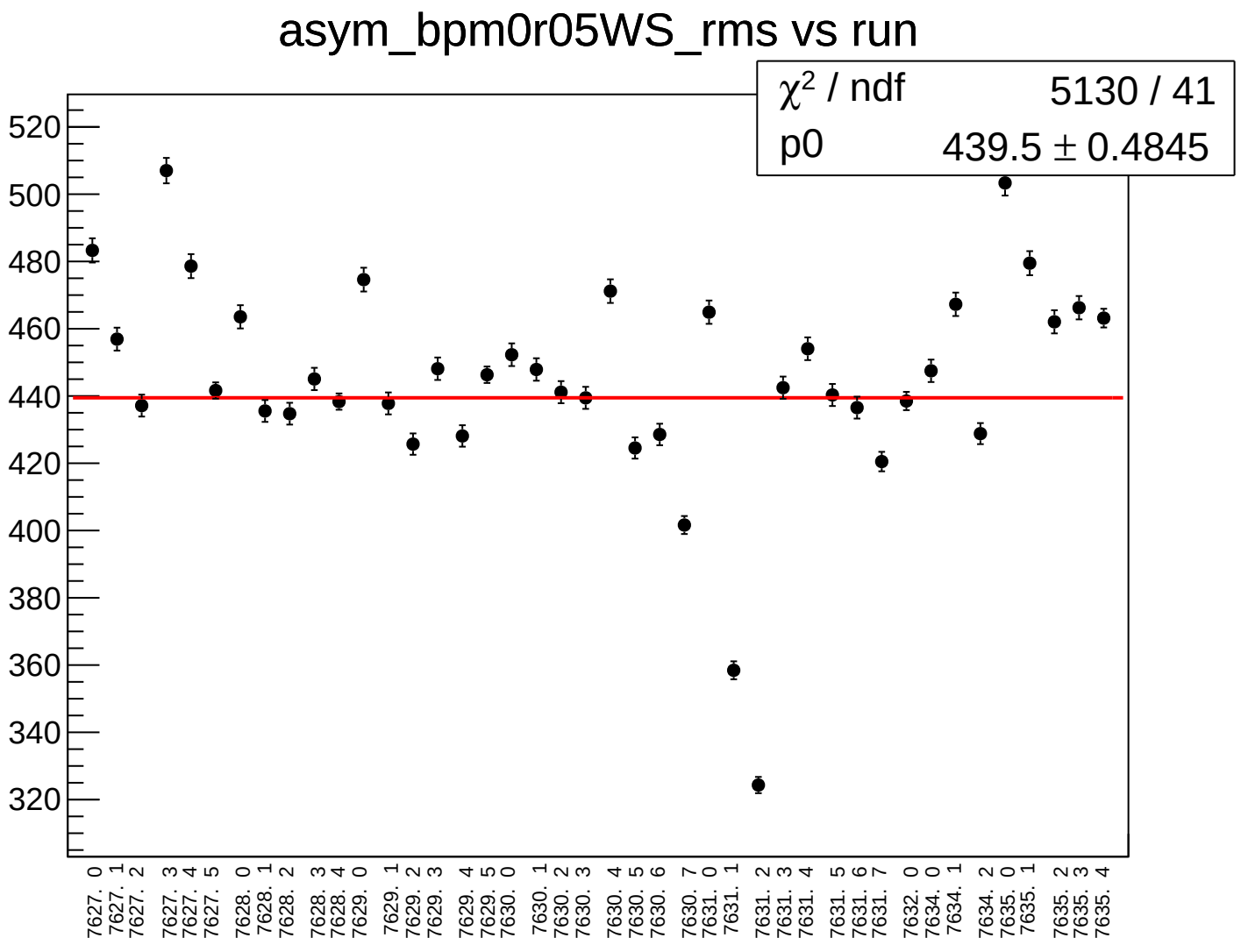

asym_bpm0r03WS_mean vs run
χ² / ndf 609.4 / 41
p0 −1.726e+04 ± 703.3
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2.098
Std Dev 22.12
8
6
4
2
0
−2
−4
−6

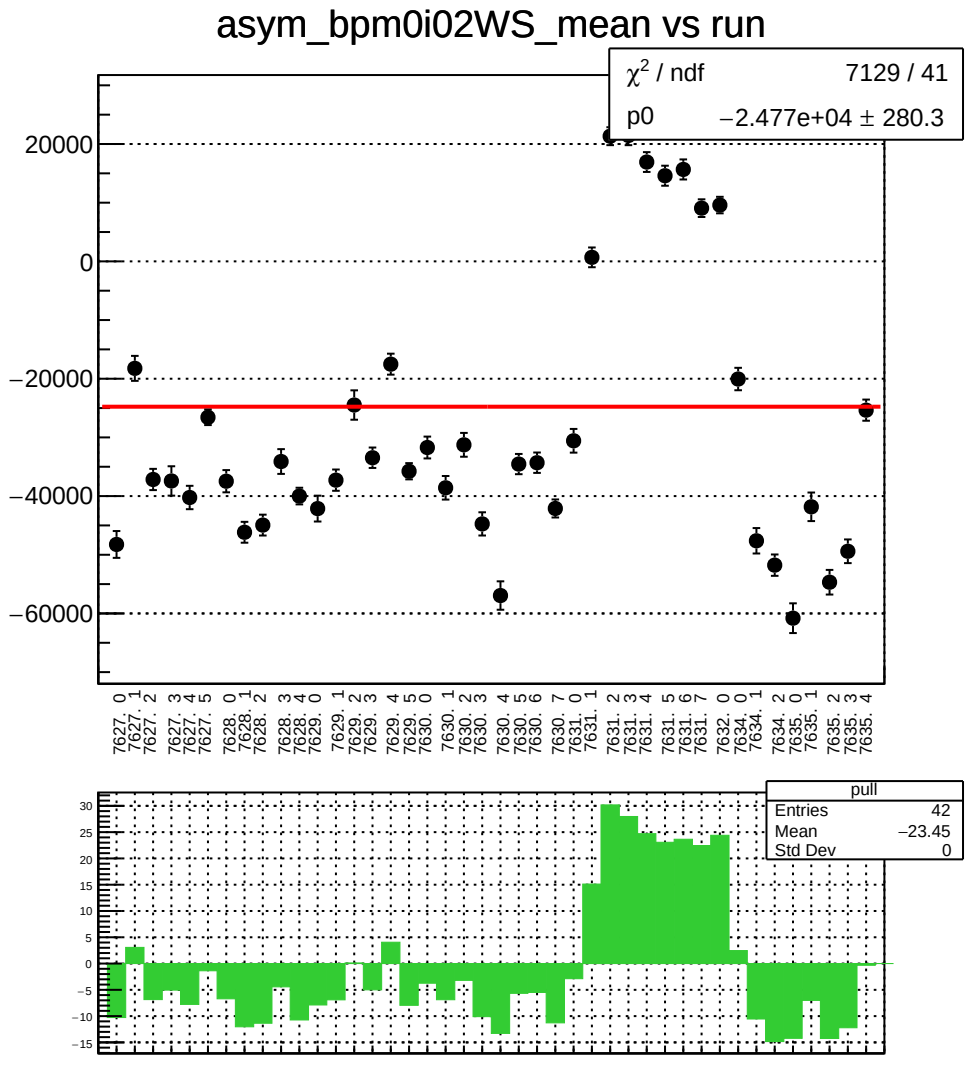

pull1D
Entries 42
Mean −0.3004
Std Dev 3.615
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

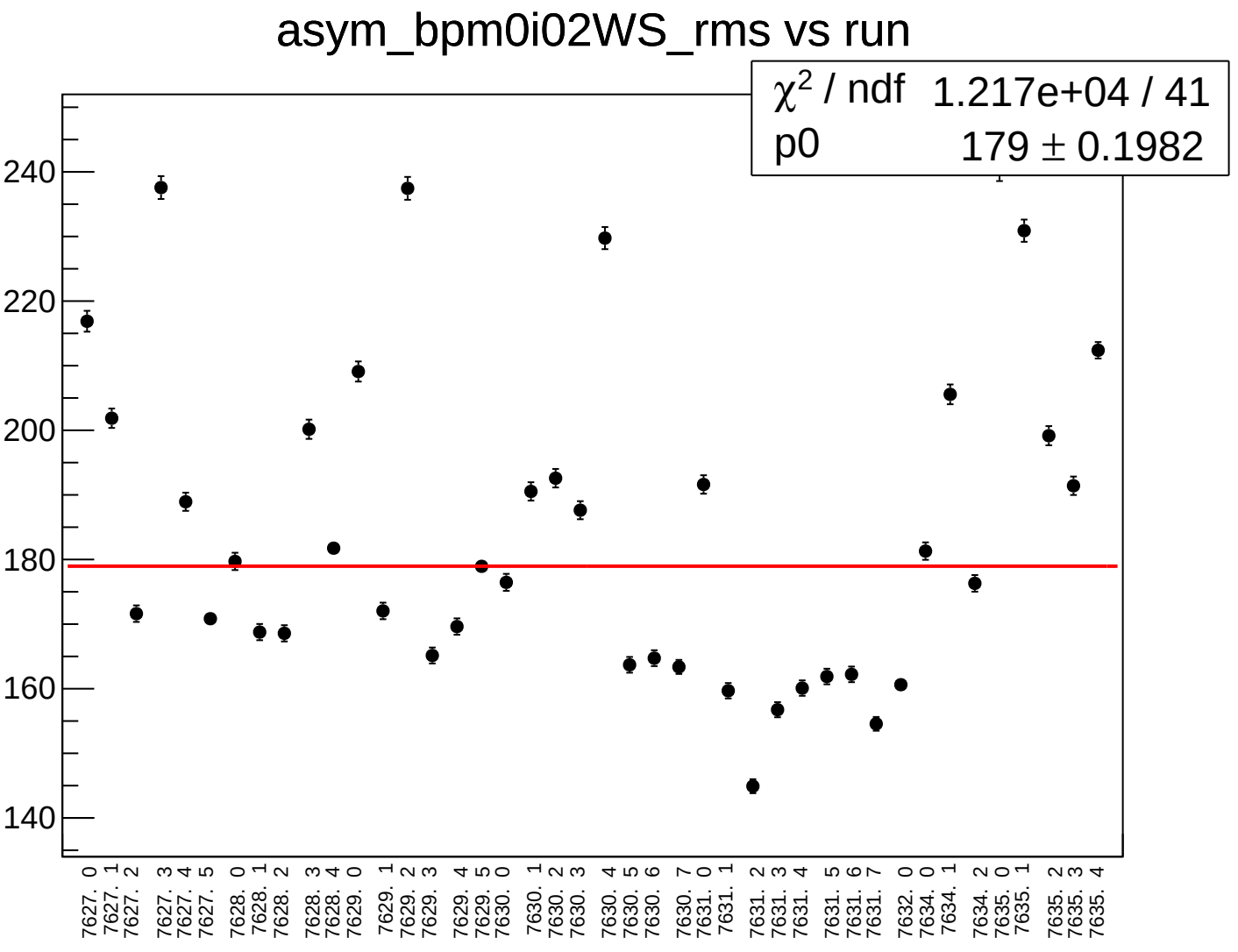

asym_bpm0r03WS_rms vs run
χ² / ndf 4224 / 41
p0 451.3 ± 0.4973
520
500
480
460
440
420
400
380
360
340
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

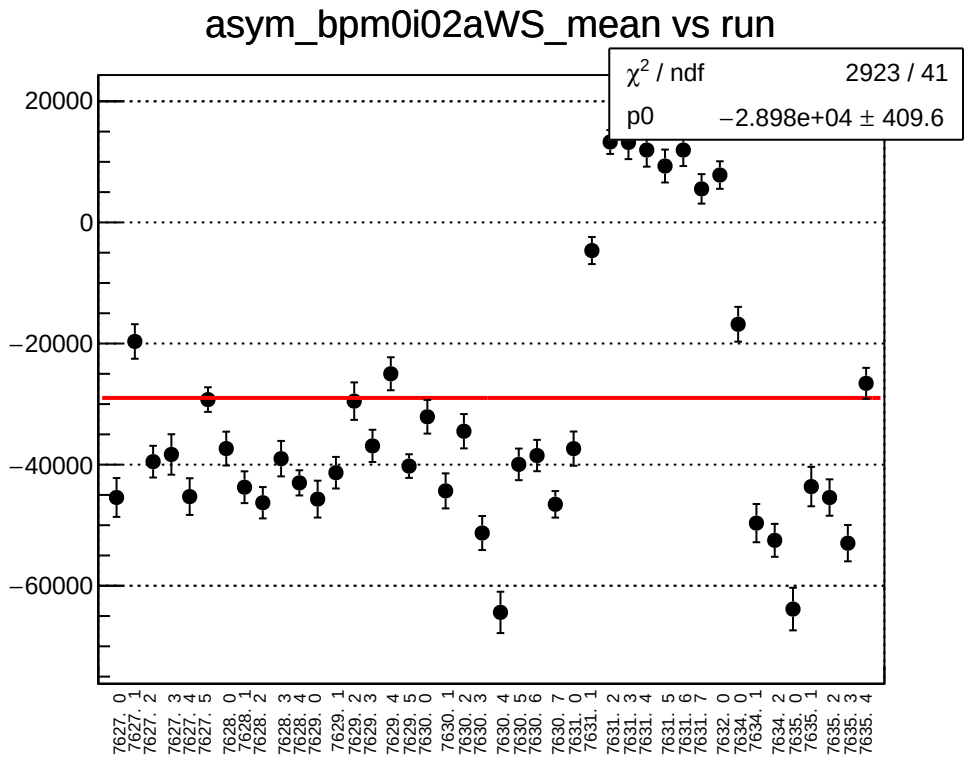

asym_bpm0r05WS_mean vs run
χ² / ndf 633.7 / 41
p0 −1.666e+04 ± 685.2
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 4.135
Std Dev 21.71
8
6
4
2
0
−2
−4
−6

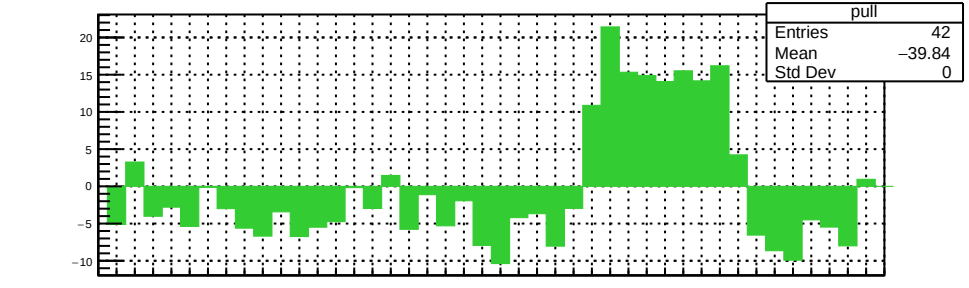

pull1D
Entries 42
Mean −0.3911
Std Dev 3.646
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

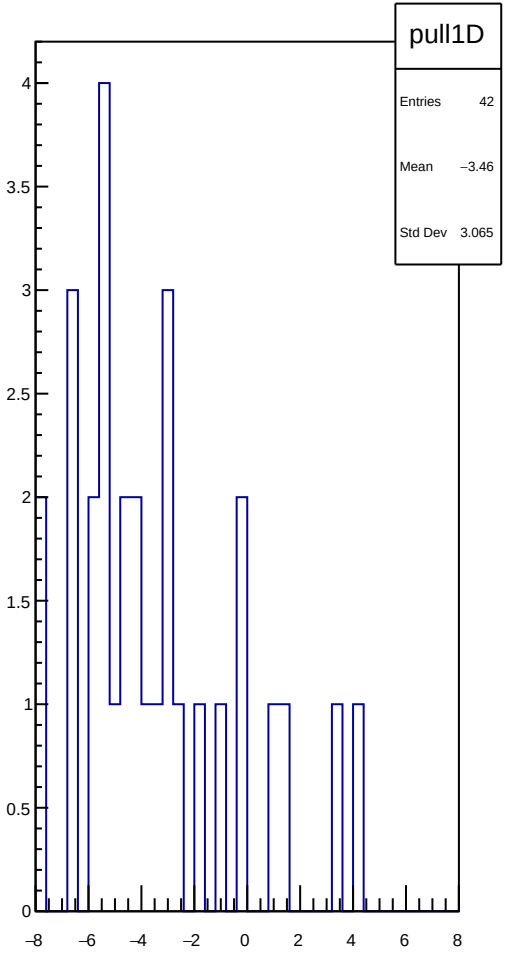

asym_bpm0r05WS_rms vs run
χ² / ndf 5130 / 41
p0 439.5 ± 0.4845
520
500
480
460
440
420
400
380
360
340
320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

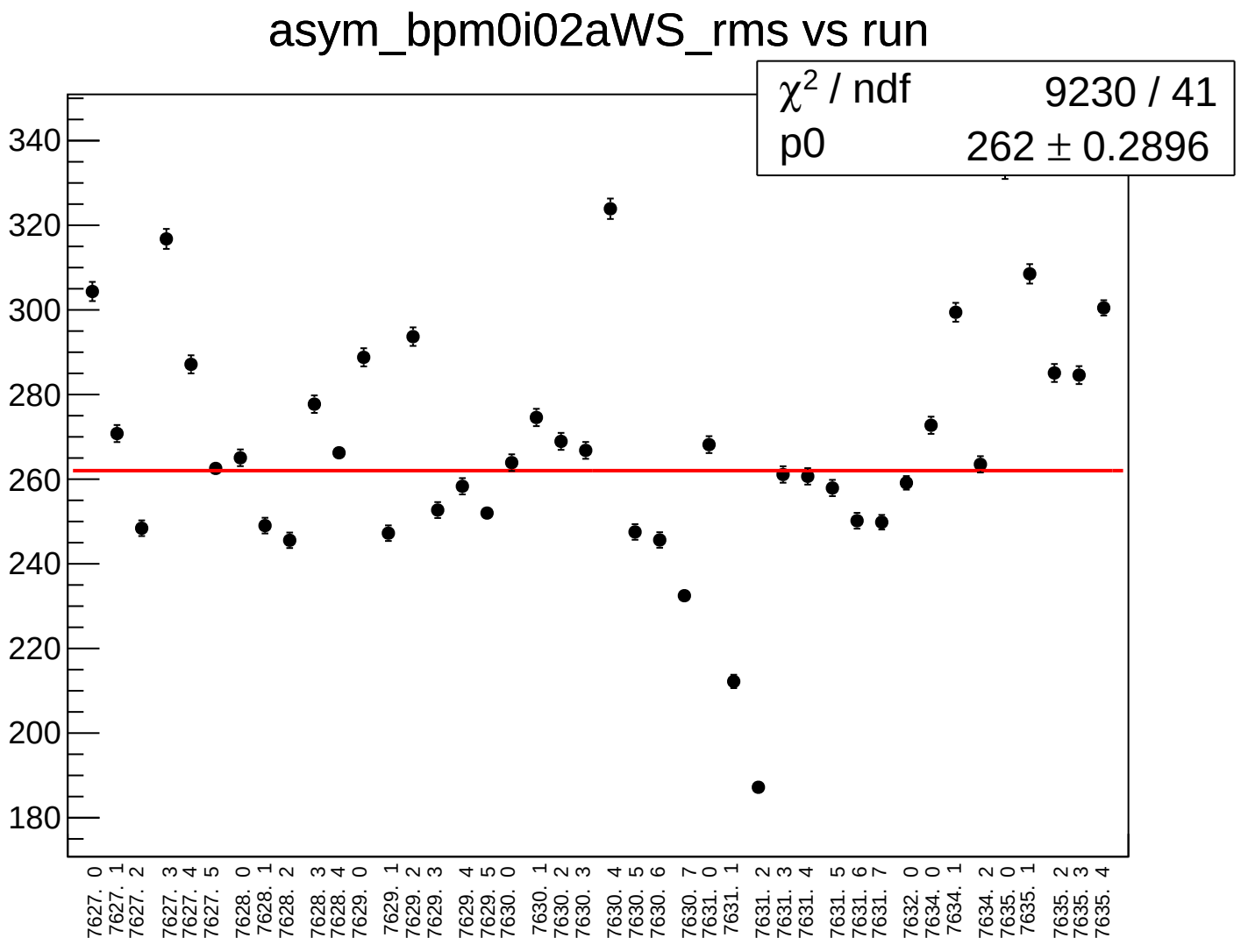

asym_bpm0i02WS_mean vs run
χ² / ndf 7129 / 41
p0 −2.477e+04 ± 280.3
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.45
Std Dev 0
30
25
20
15
10
5
0
−5
−10
−15
pull1D
Entries 42
Mean −3.881
Std Dev 3.625
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

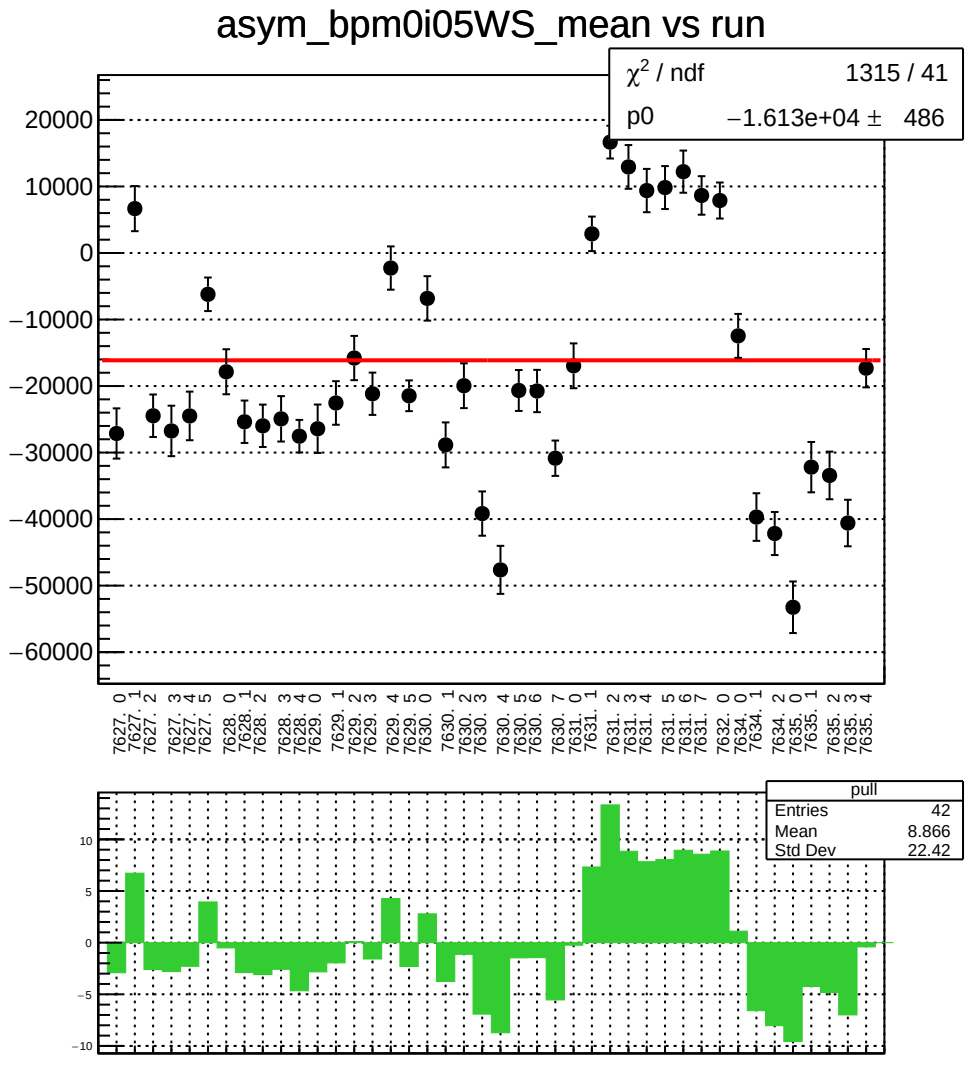

asym_bpm0i02WS_rms vs run
χ² / ndf 1.217e+04 / 41
p0 179 ± 0.1982
240
220
200
180
160
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

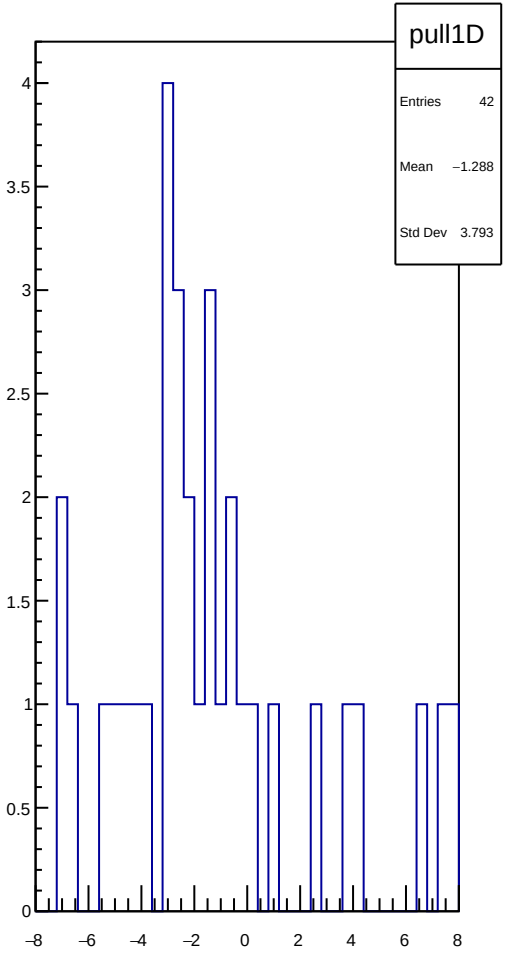

asym_bpm0i02aWS_mean vs run
χ² / ndf 2923 / 41
p0 −2.898e+04 ± 409.6
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

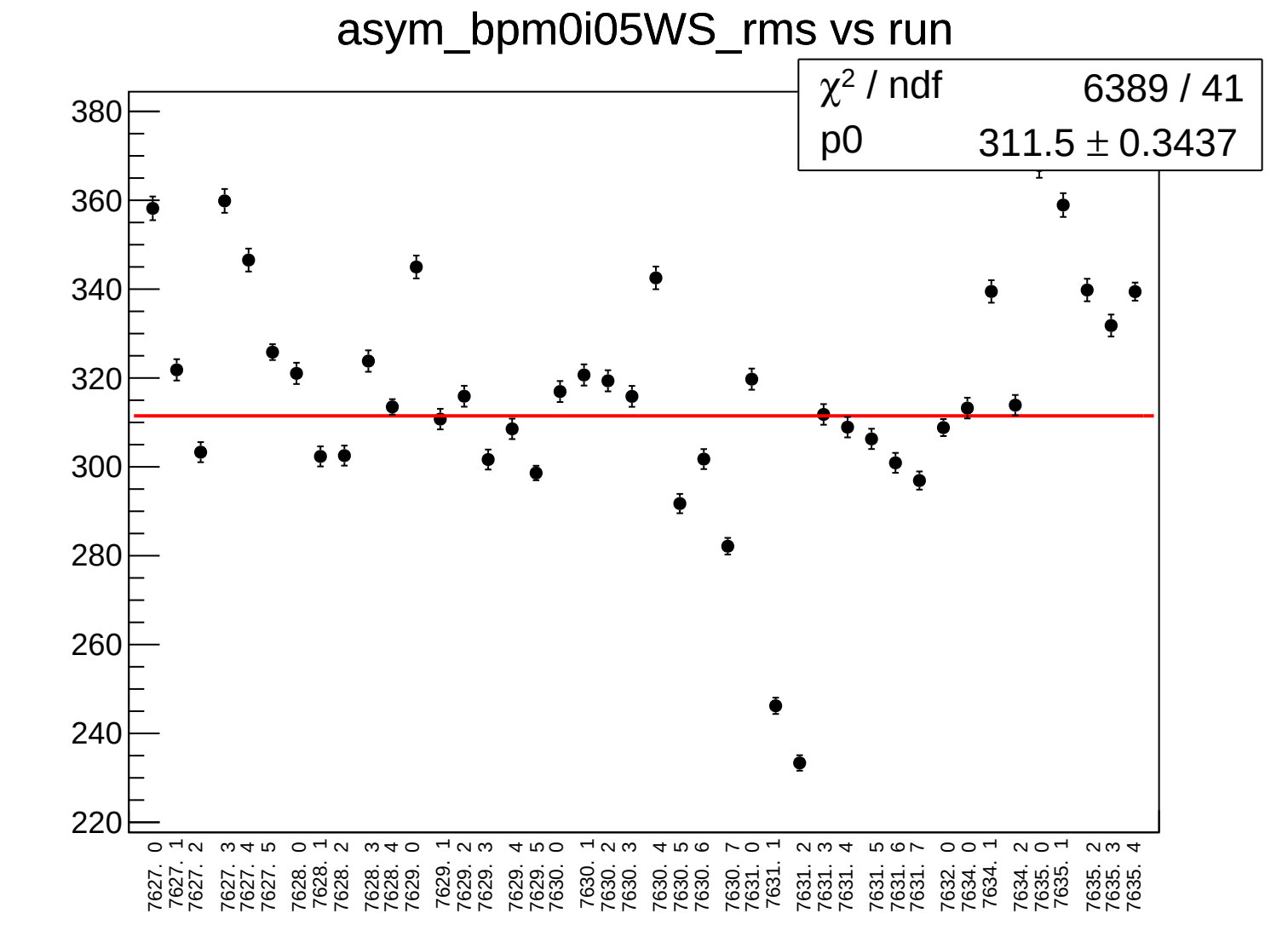

pull
Entries 42
Mean −39.84
Std Dev 0
20
15
10
5
0
−5
−10

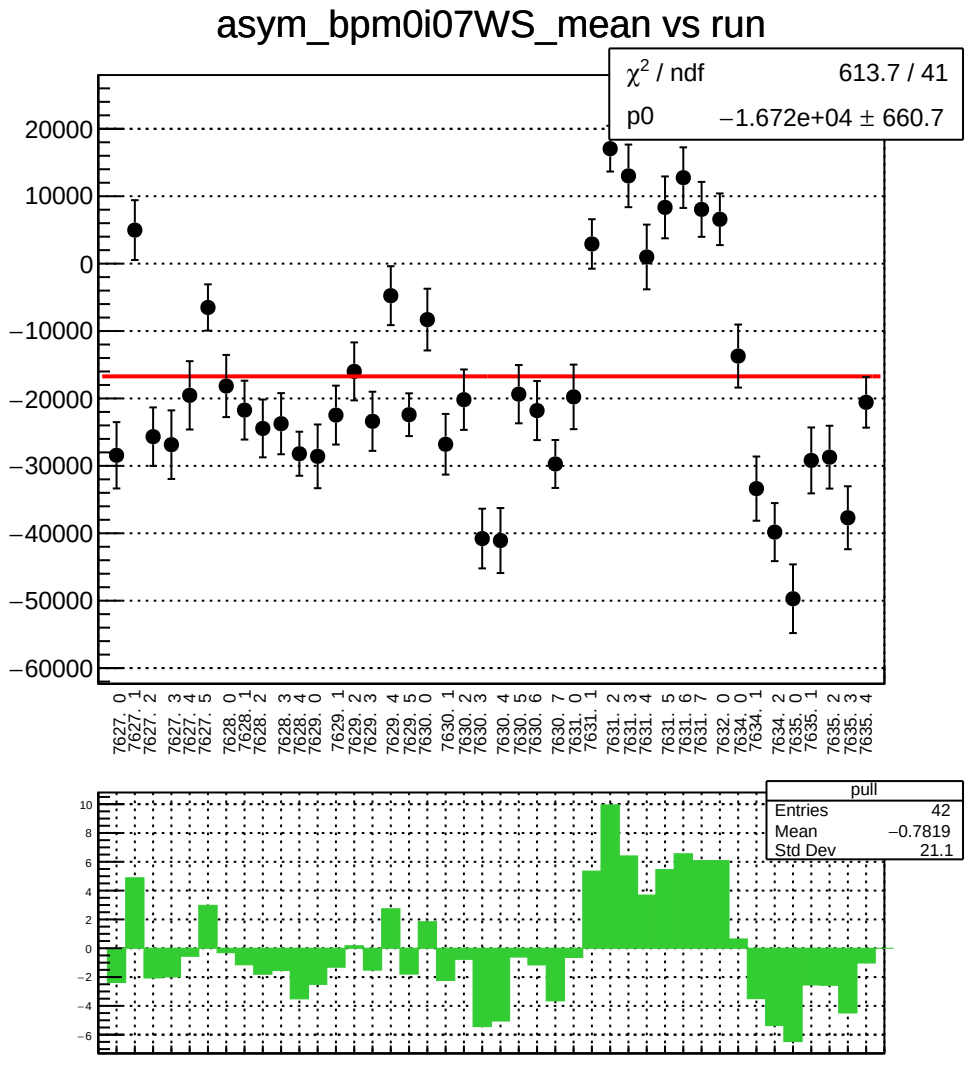

pull1D
Entries 42
Mean −3.46
Std Dev 3.065
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

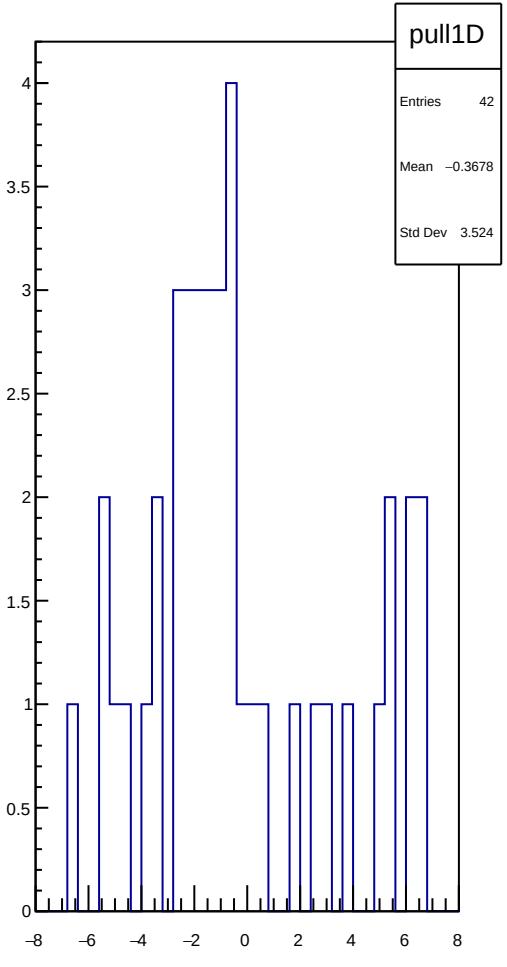

asym_bpm0i02aWS_rms vs run
χ^2 / ndf 9230 / 41
p0 262 ± 0.2896
340
320
300
280
260
240
220
200
180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

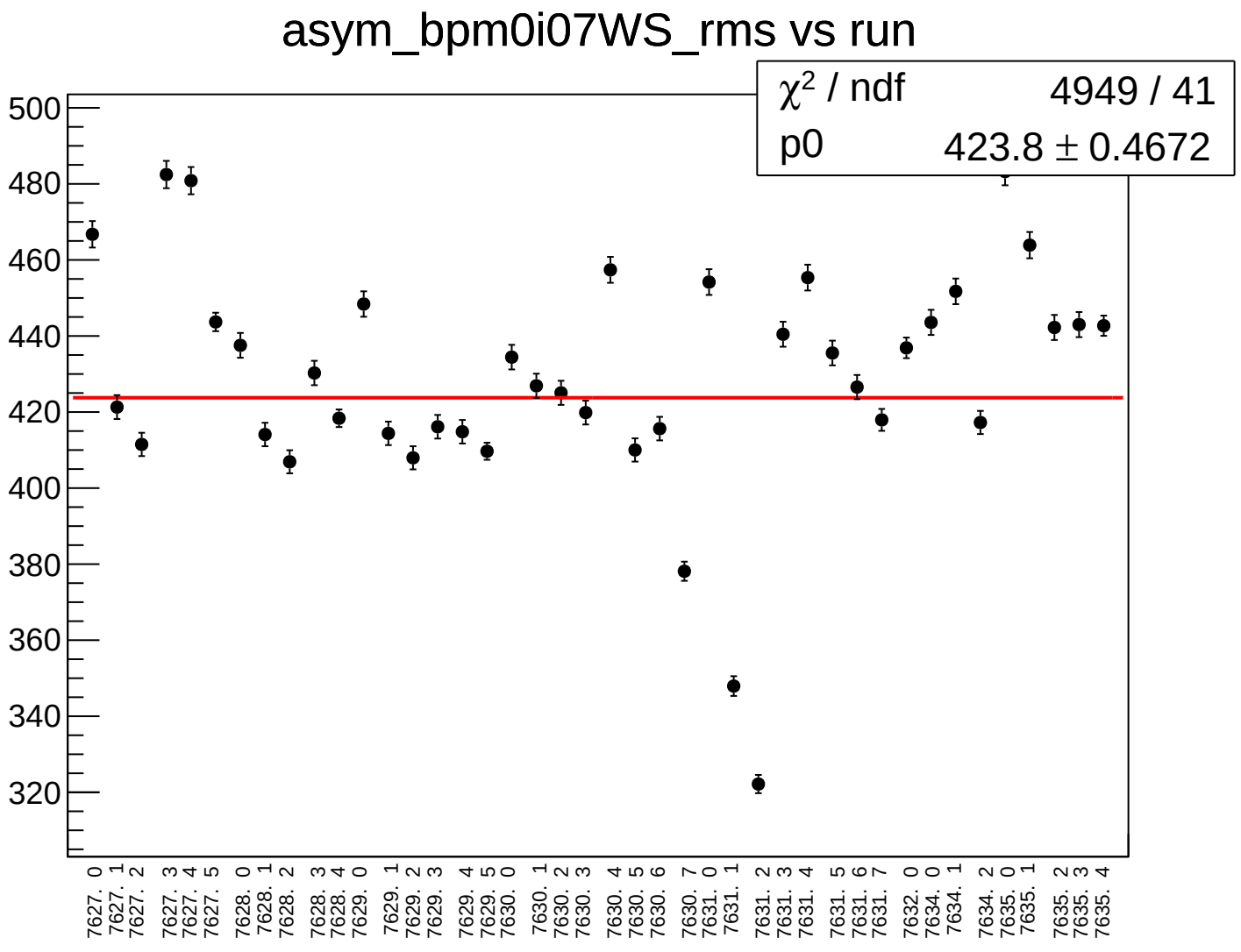

asym_bpm0i05WS_mean vs run
χ² / ndf 1315 / 41
p0 −1.613e+04 ± 486
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 8.866
Std Dev 22.42
10
5
0
−5
−10

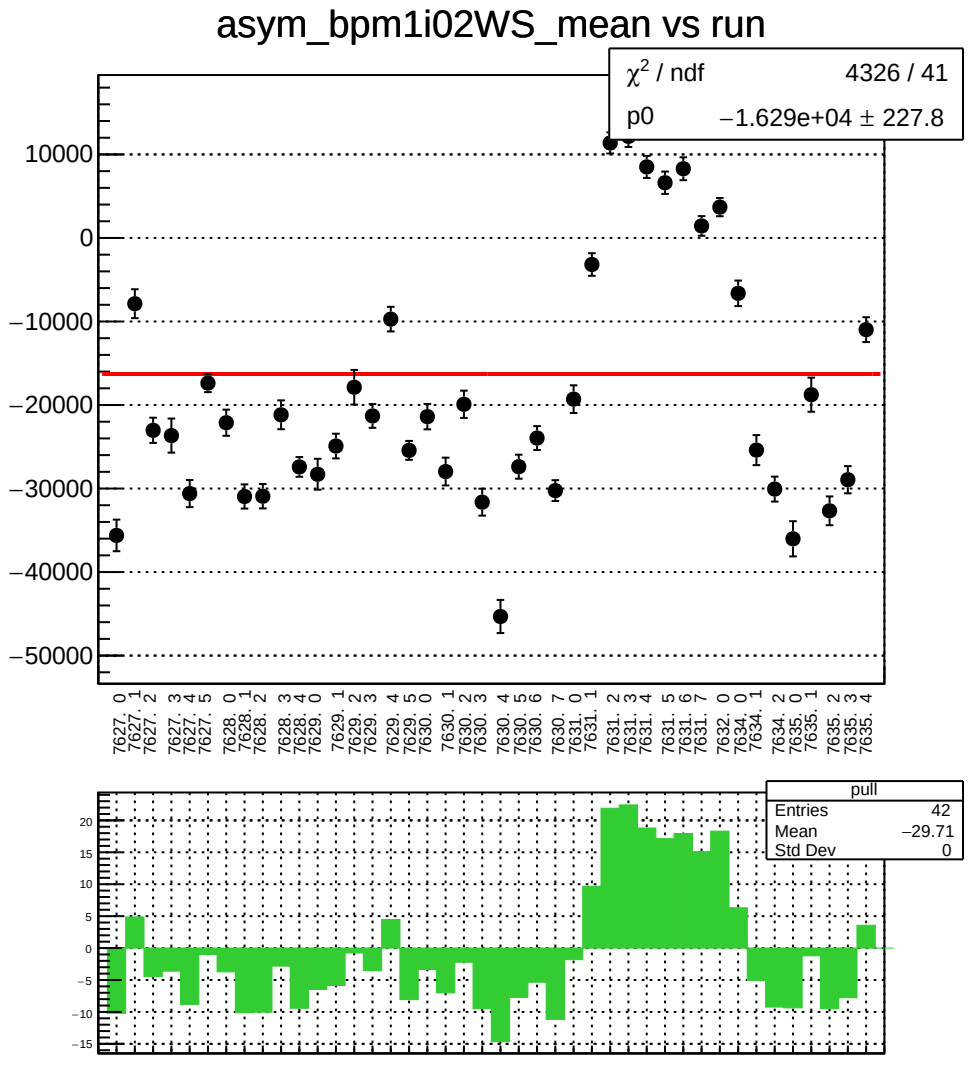

pull1D
Entries 42
Mean −1.288
Std Dev 3.793
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

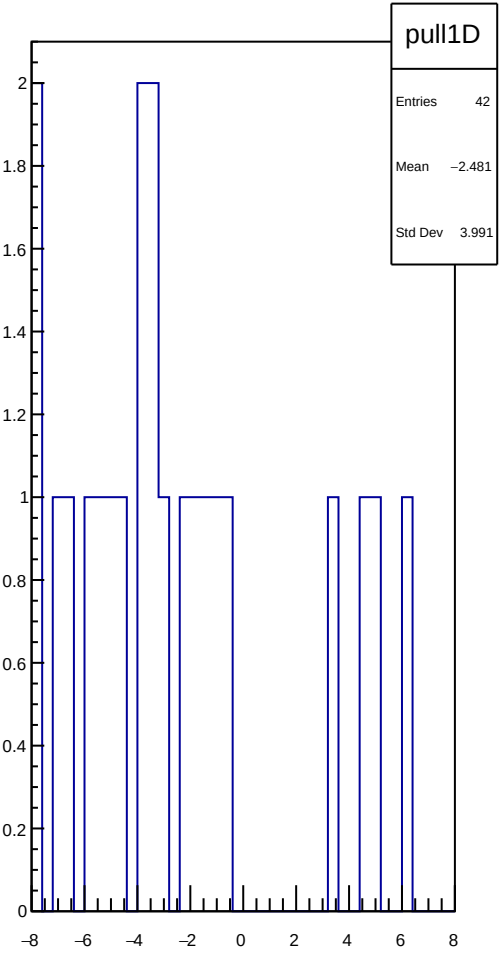

asym_bpm0i05WS_rms vs run
χ² / ndf 6389 / 41
p0 311.5 ± 0.3437
380
360
340
320
300
280
260
240
220
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

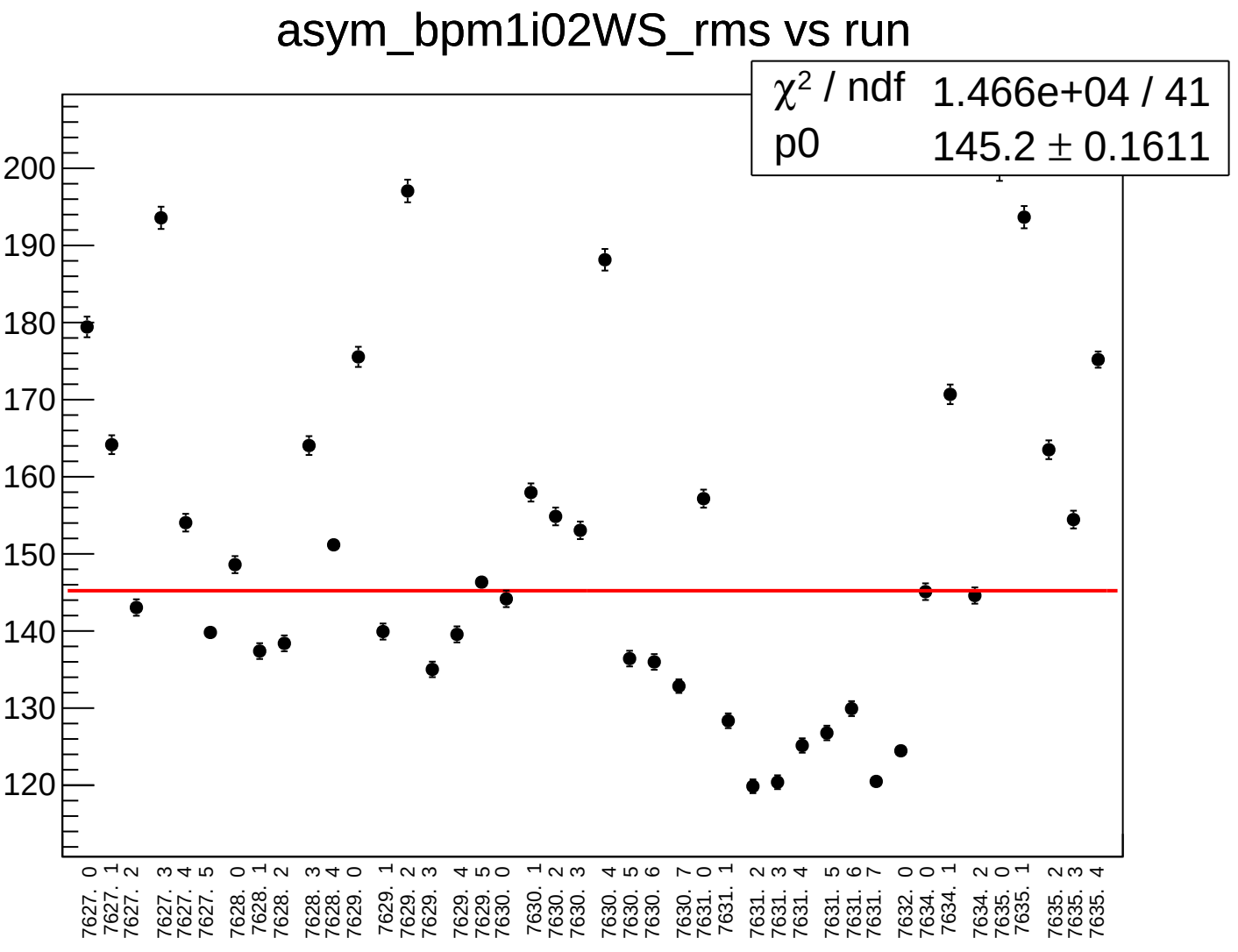

asym_bpm0i07WS_mean vs run
χ² / ndf 613.7 / 41
p0 −1.672e+04 ± 660.7
pull
Entries 42
Mean −0.7819
Std Dev 21.1

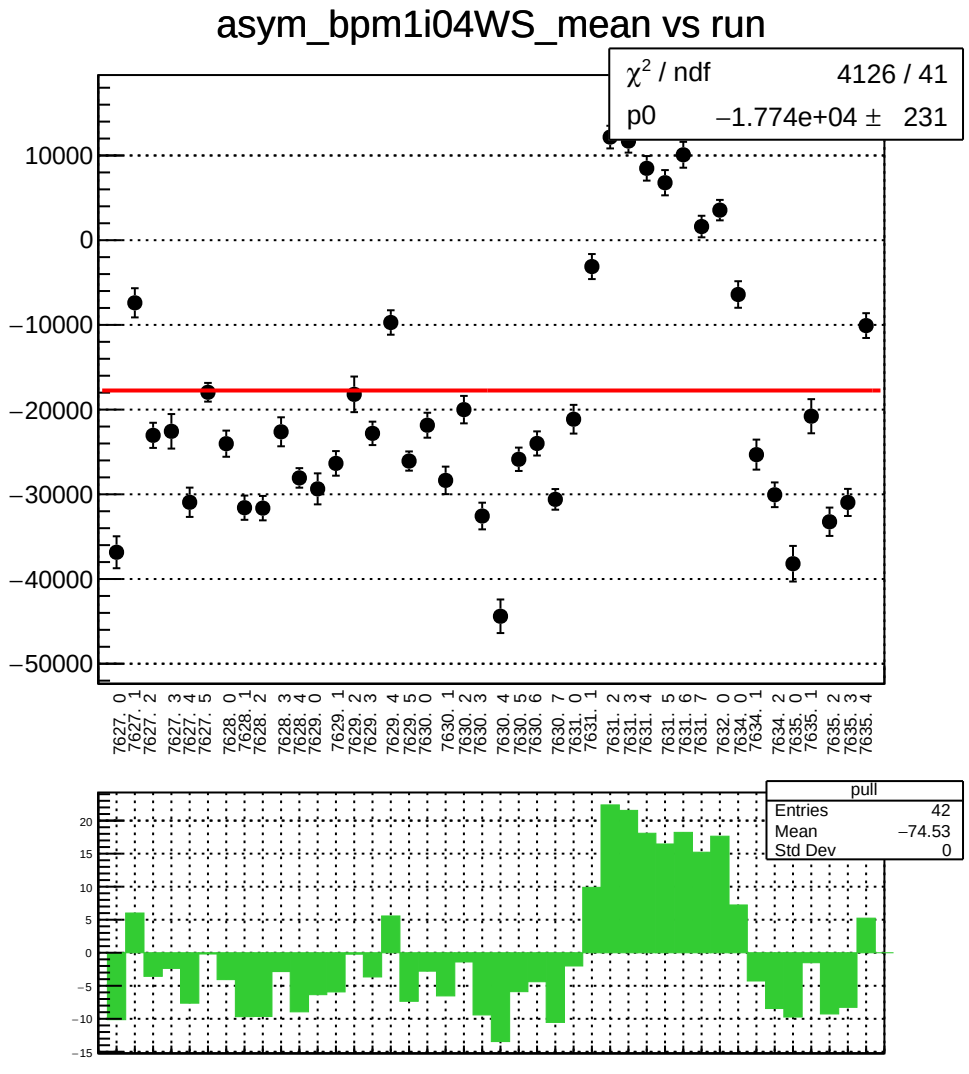

pull1D
Entries 42
Mean −0.3678
Std Dev 3.524

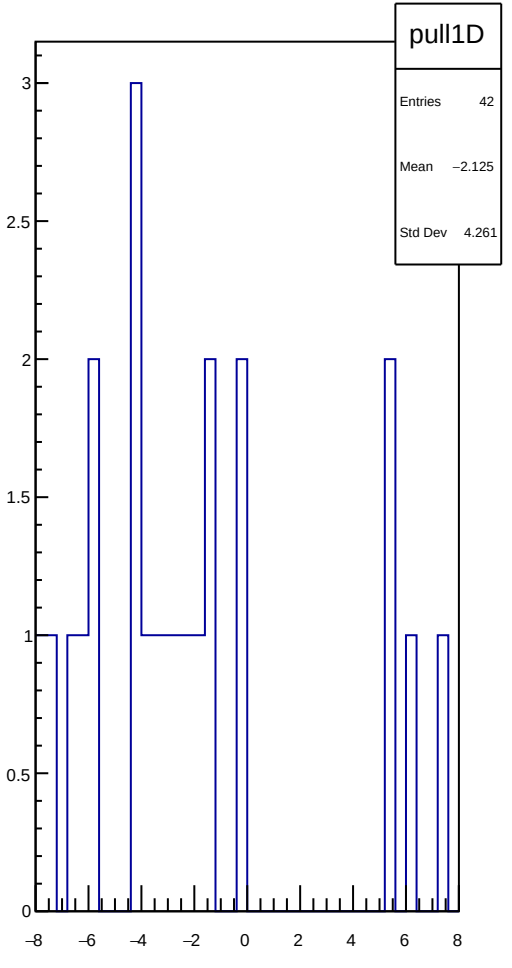

asym_bpm0i07WS_rms vs run
χ² / ndf 4949 / 41
p0 423.8 ± 0.4672
500
480
460
440
420
400
380
360
340
320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

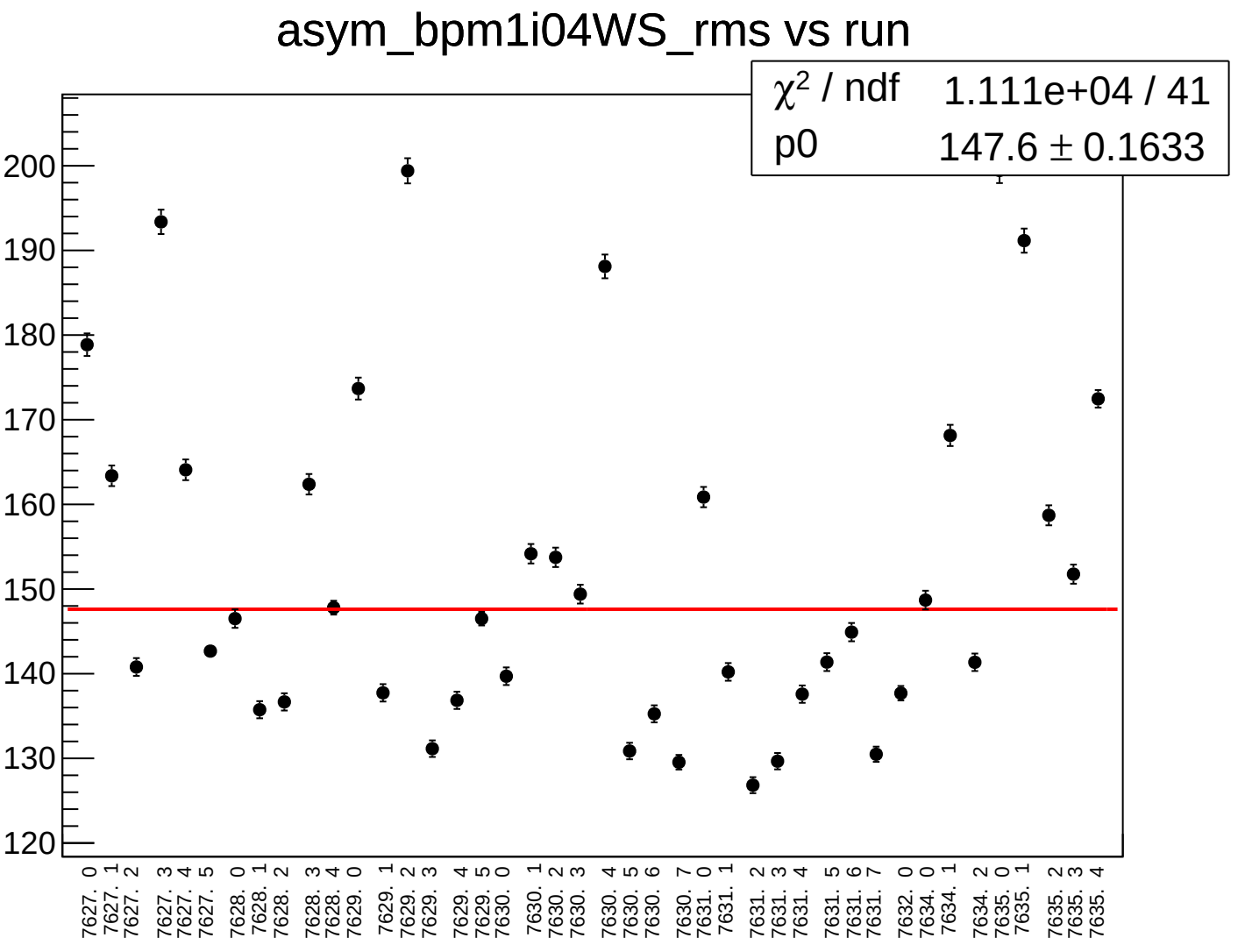

asym_bpm1i02WS_mean vs run
χ² / ndf 4326 / 41
p0 −1.629e+04 ± 227.8
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −29.71
Std Dev 0
20
15
10
5
0
−5
−10
−15

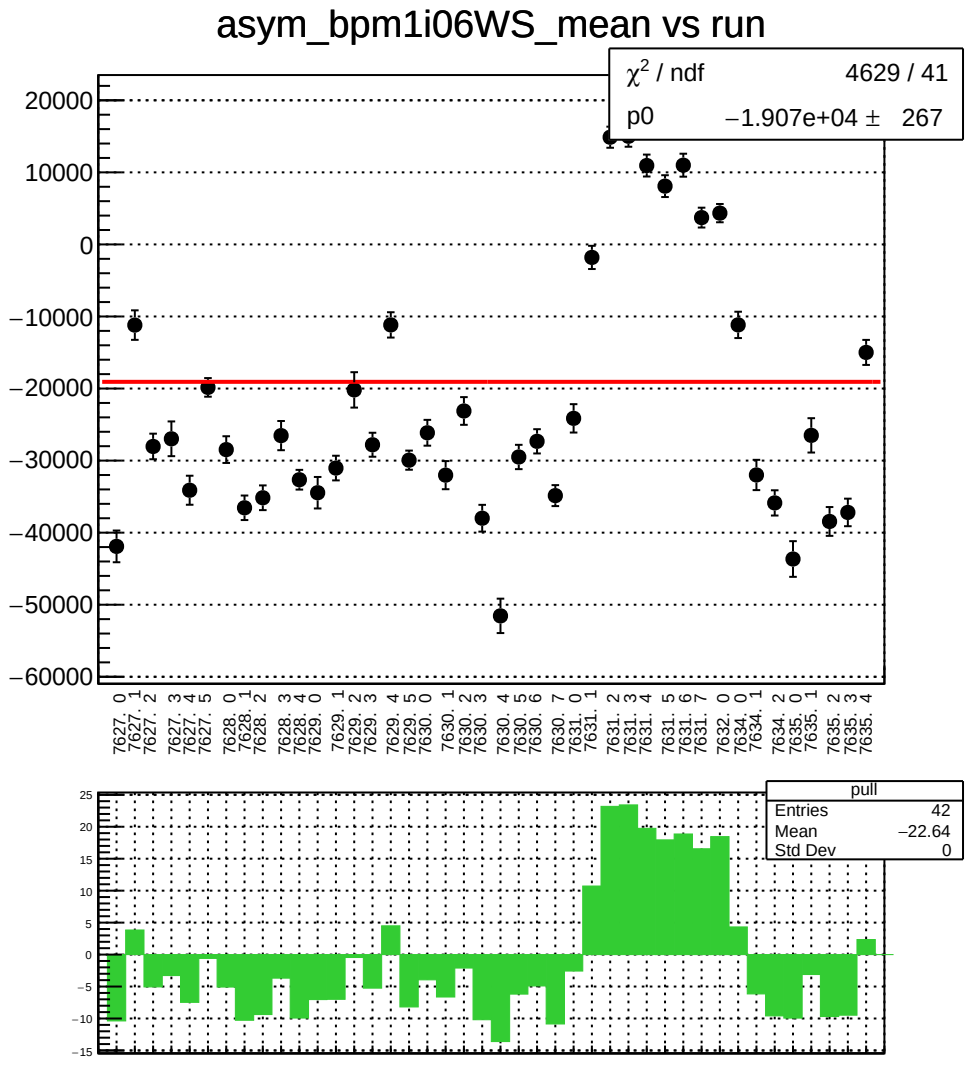

pull1D
Entries 42
Mean −2.481
Std Dev 3.991
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

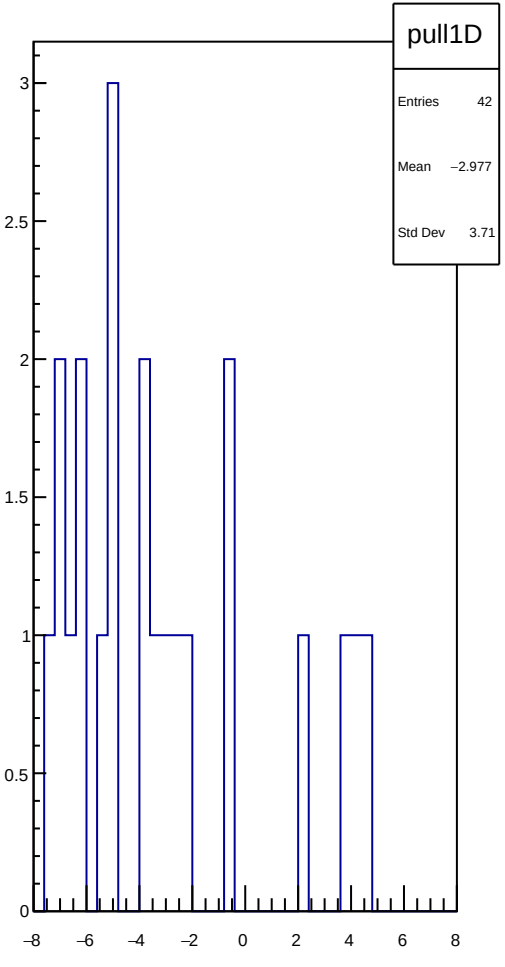

asym_bpm1i02WS_rms vs run
χ² / ndf 1.466e+04 / 41
p0 145.2 ± 0.1611
200
190
180
170
160
150
140
130
120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

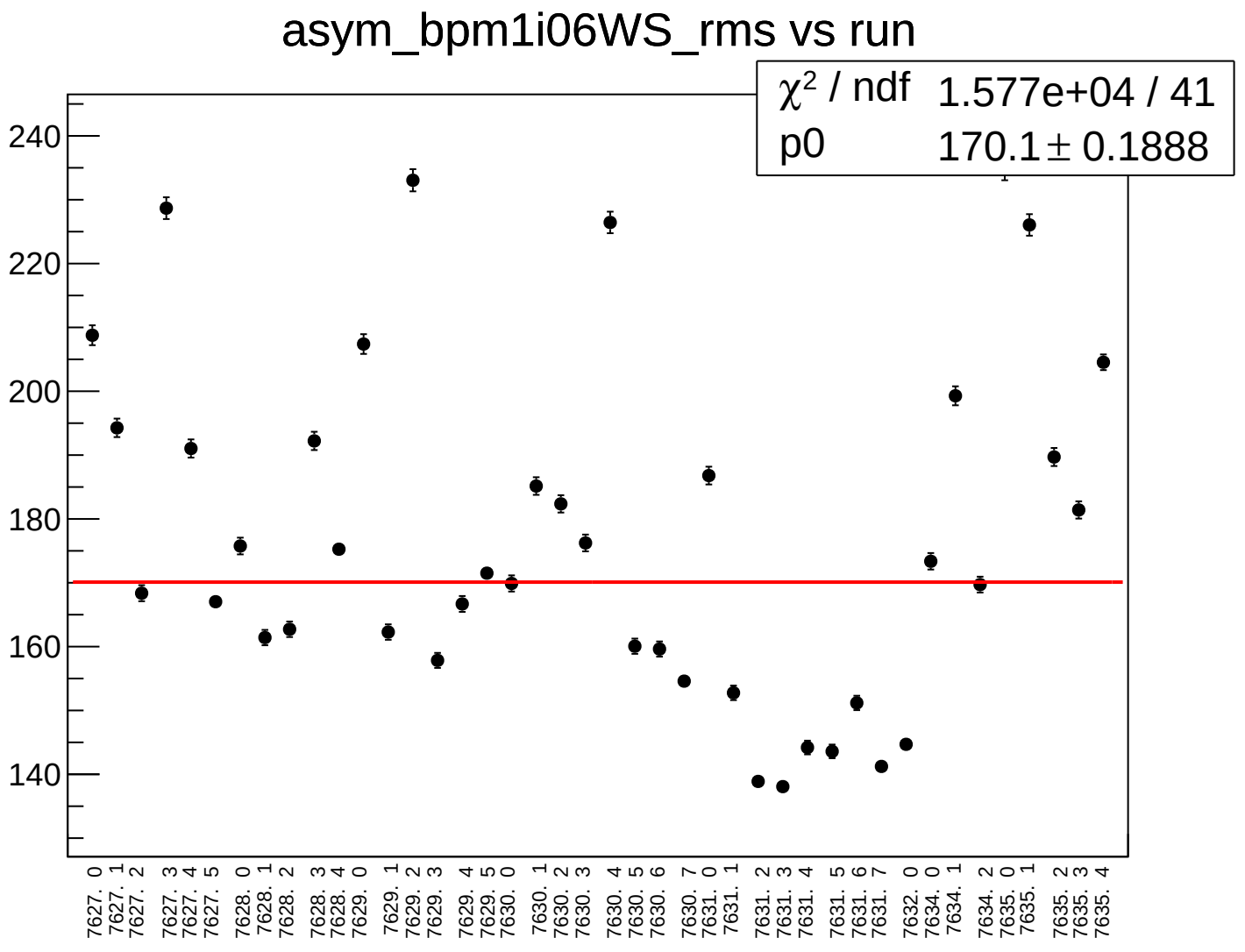

asym_bpm1i04WS_mean vs run
χ² / ndf 4126 / 41
p0 −1.774e+04 ± 231
10000
0
−10000
−20000
−30000
−40000
−50000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −74.53
Std Dev 0
20
15
10
5
0
−5
−10
−15

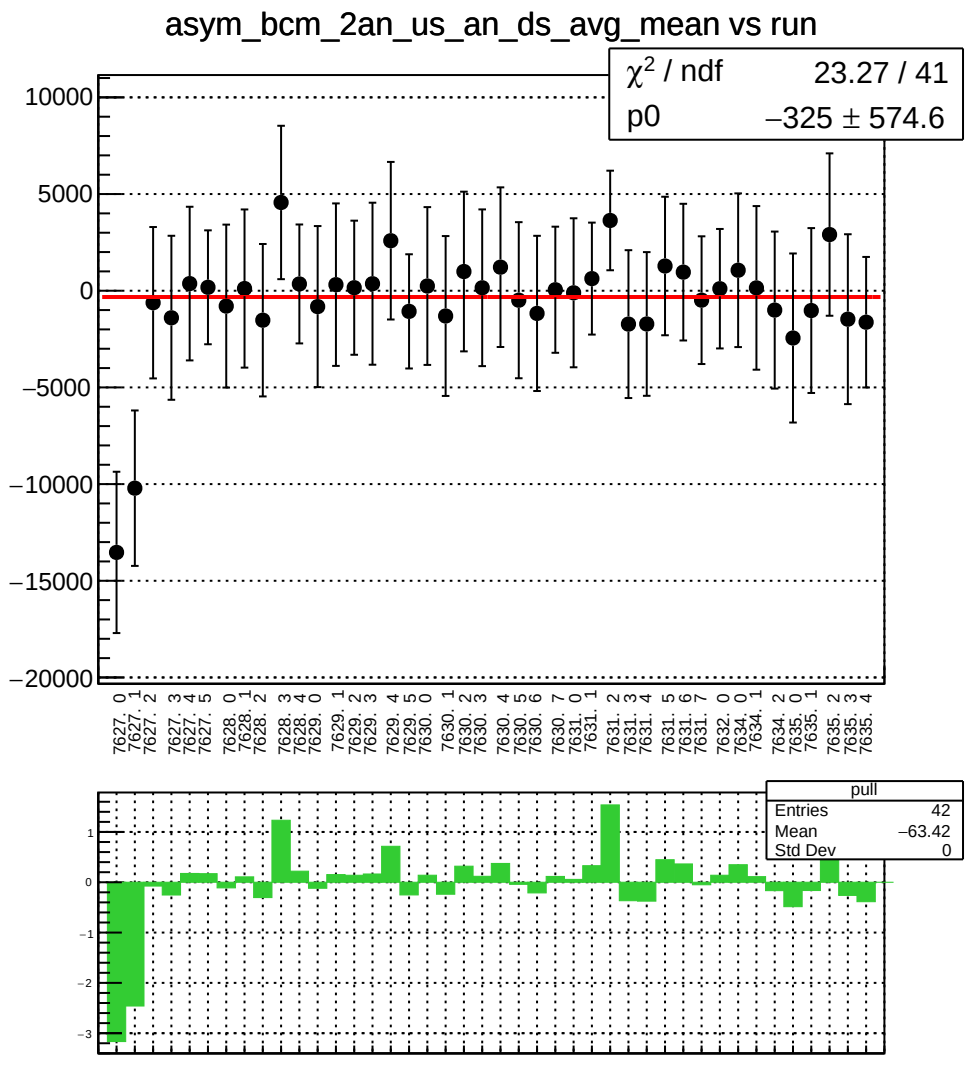

pull1D
Entries 42
Mean −2.125
Std Dev 4.261
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

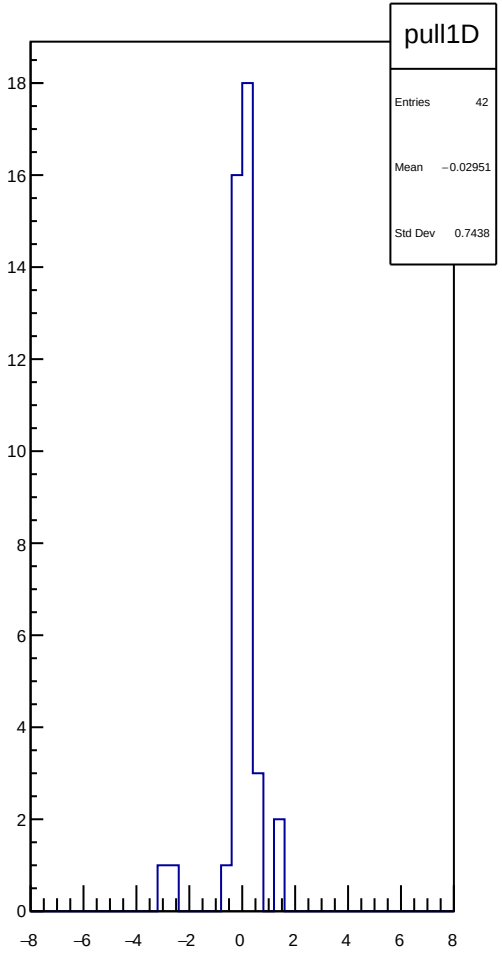

asym_bpm1i04WS_rms vs run
χ² / ndf 1.111e+04 / 41
p0 147.6 ± 0.1633
200
190
180
170
160
150
140
130
120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

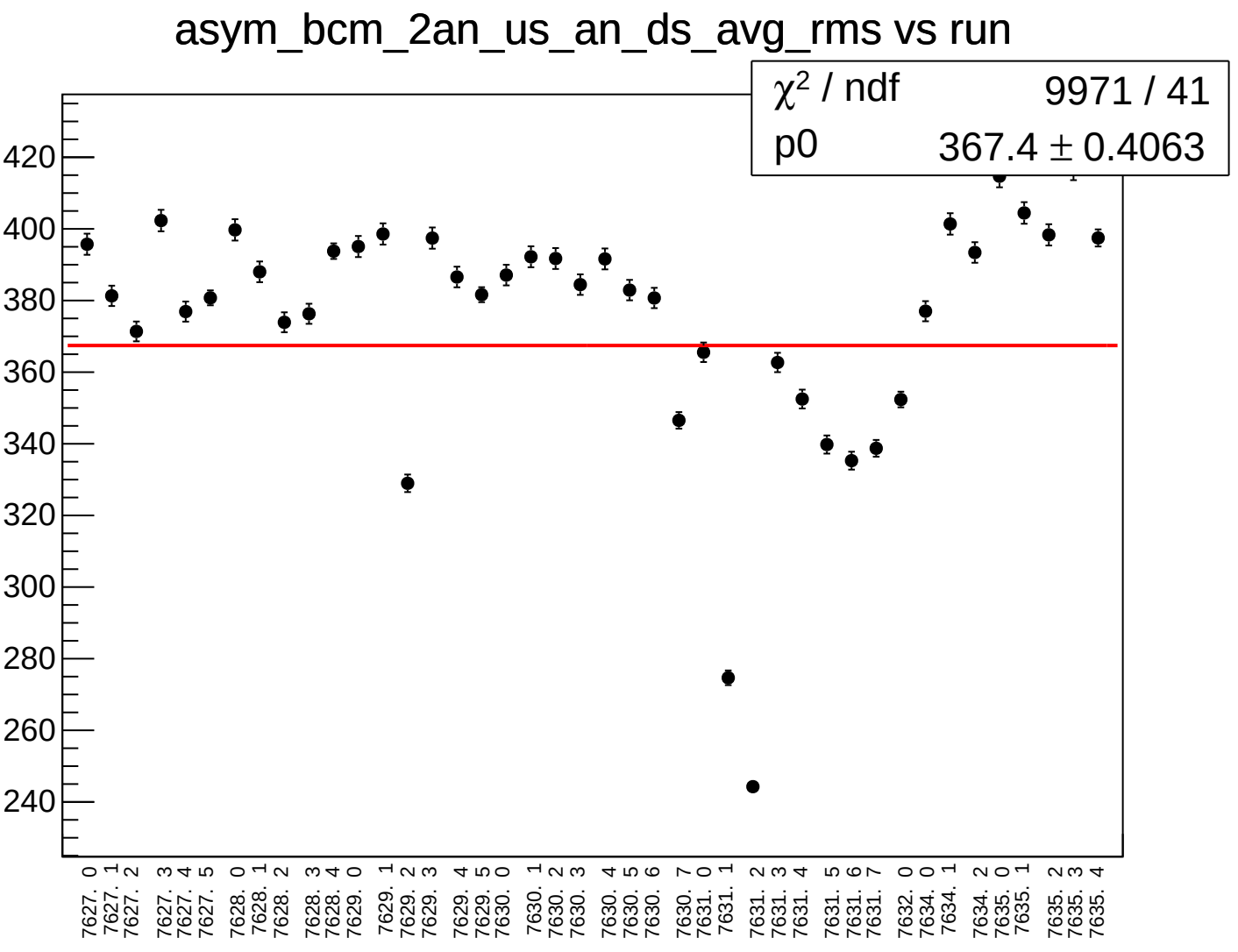

asym_bpm1i06WS_mean vs run
χ² / ndf 4629 / 41
p0 −1.907e+04 ± 267
pull
Entries 42
Mean −22.64
Std Dev 0

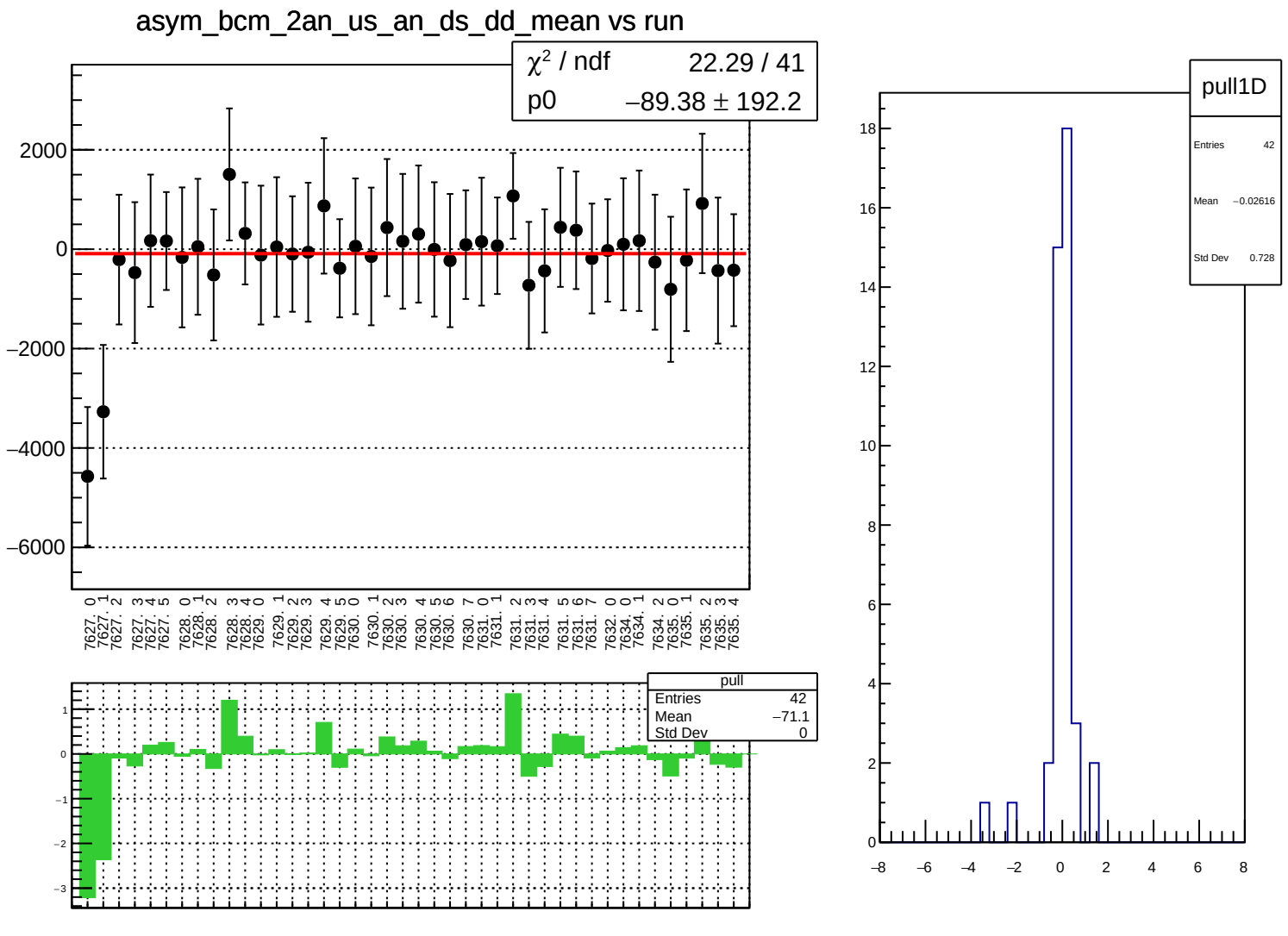

pull1D
Entries 42
Mean −2.977
Std Dev 3.71

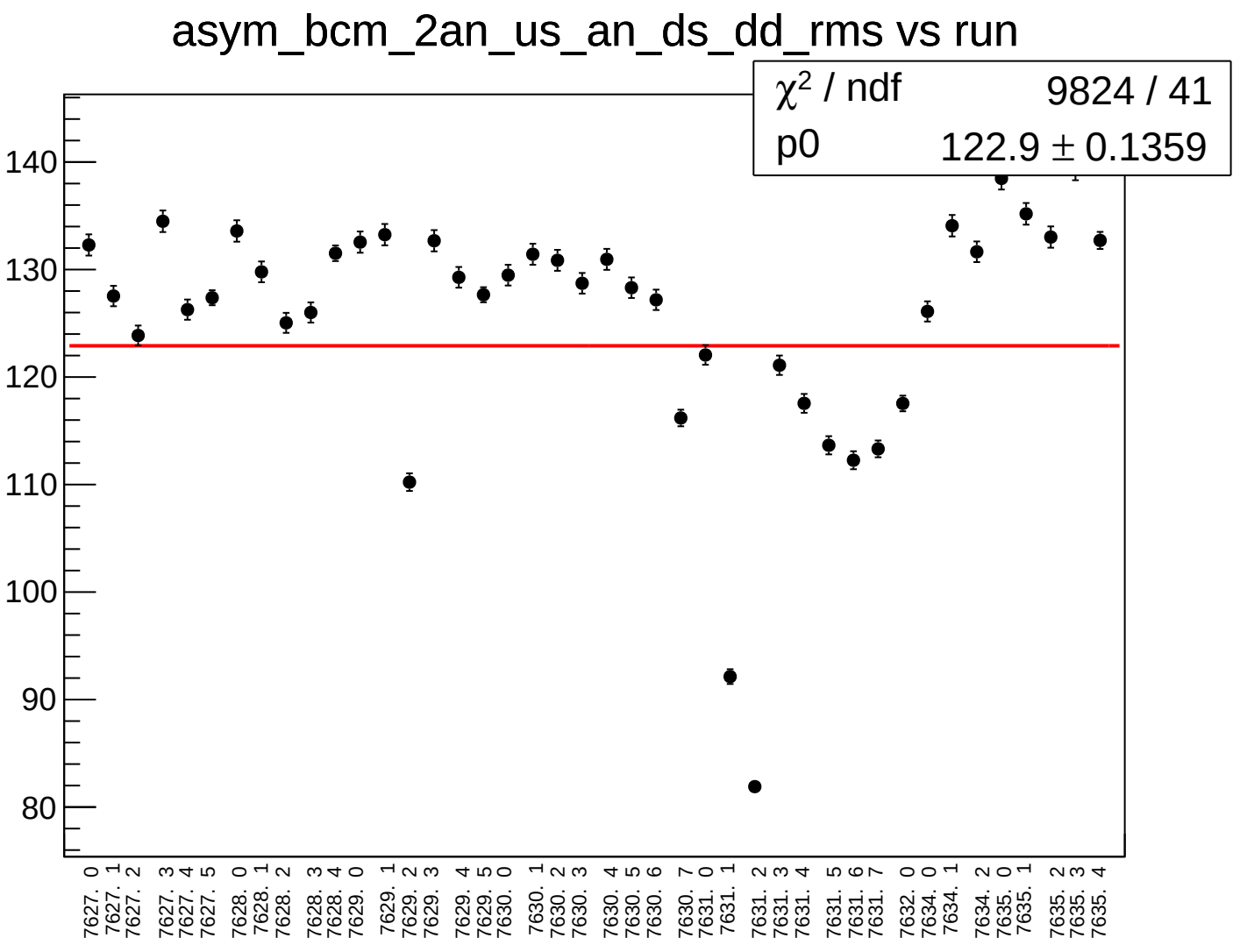

asym_bpm1i06WS_rms vs run
χ² / ndf 1.577e+04 / 41
p0 170.1 ± 0.1888
240
220
200
180
160
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

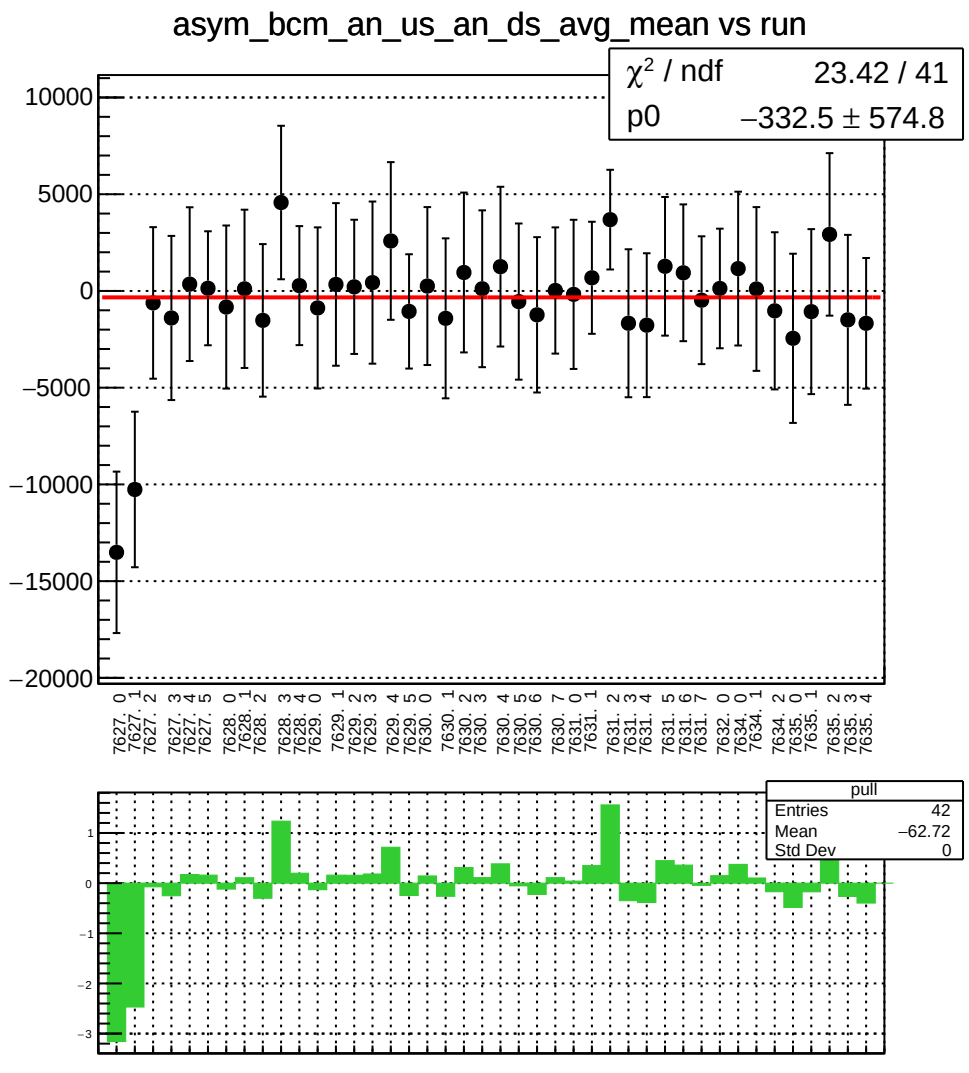

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 23.27 / 41
p0 −325 ± 574.6
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −63.42
Std Dev 0
1
0
−1
−2
−3

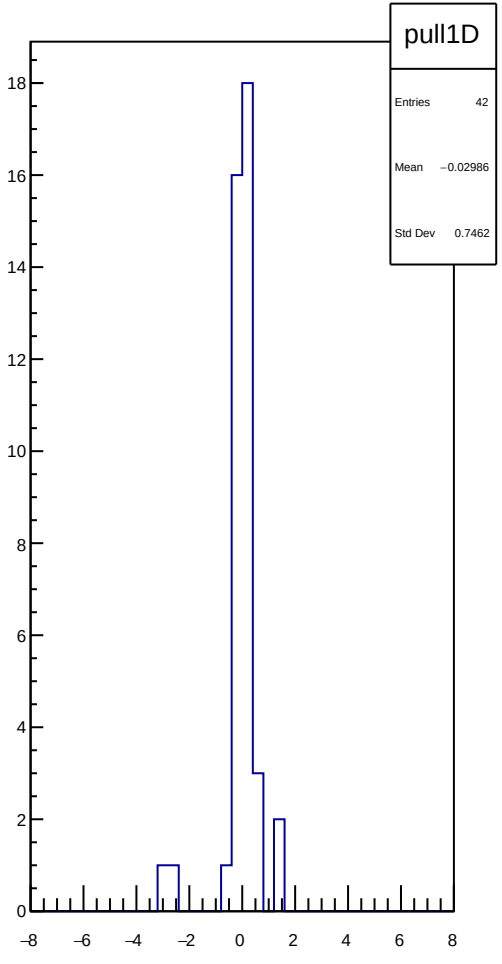

pull1D
Entries 42
Mean −0.02951
Std Dev 0.7438
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

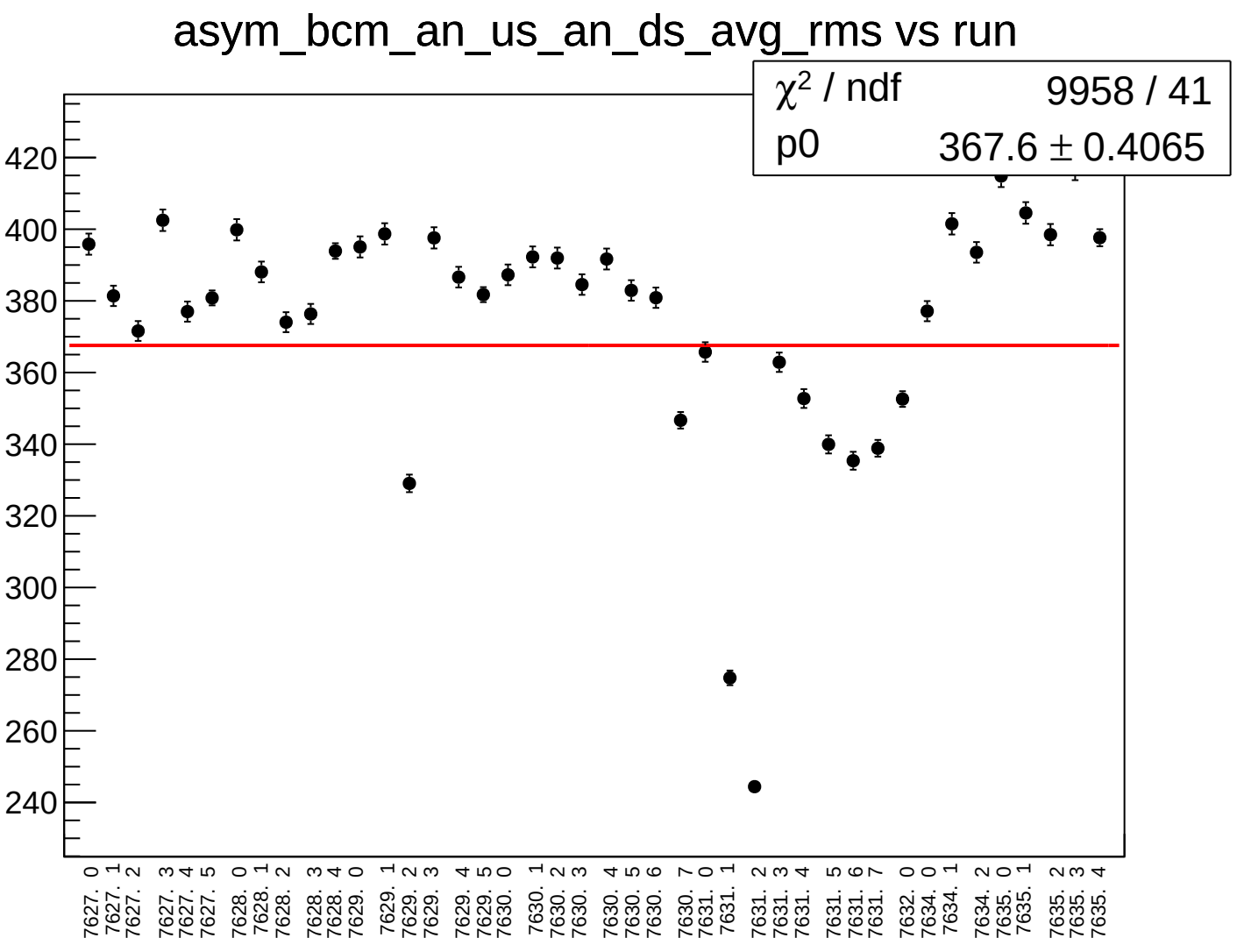

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 9971 / 41
p0 367.4 ± 0.4063
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

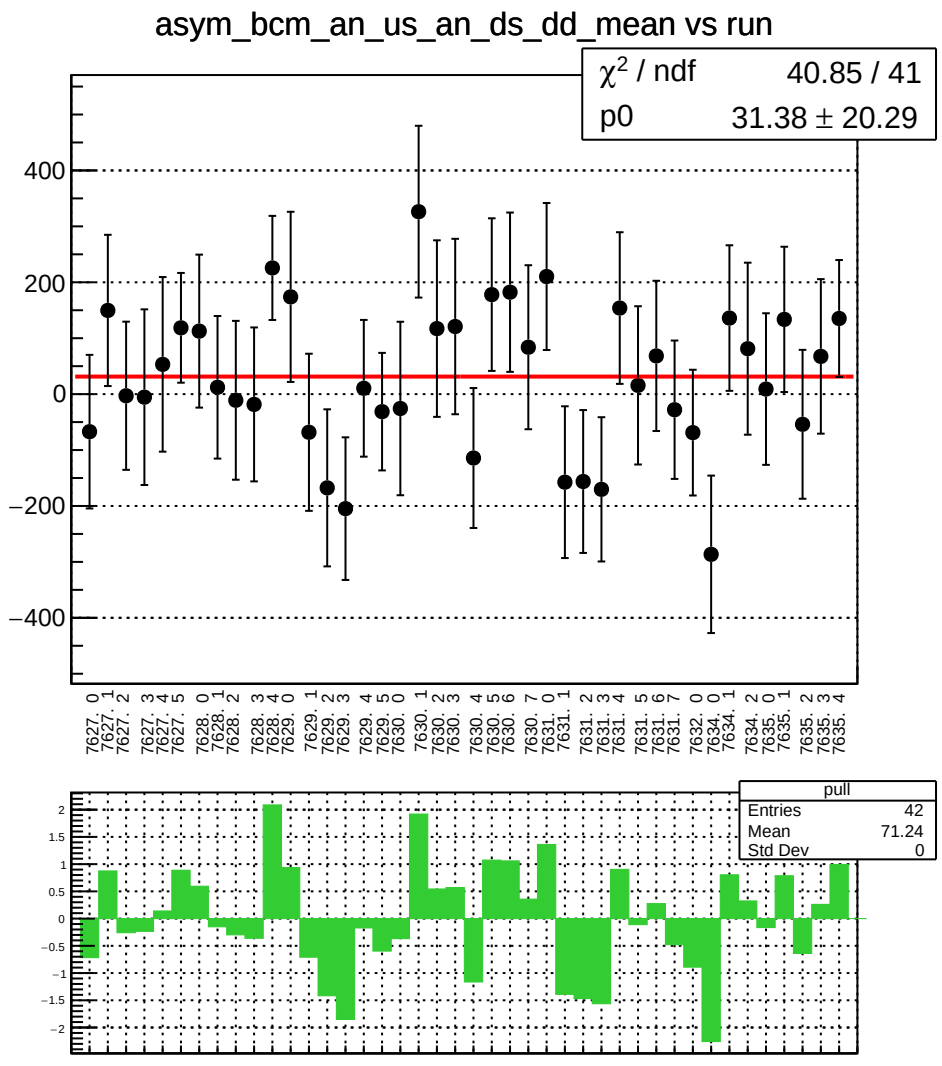

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 22.29 / 41
p0 −89.38 ± 192.2
2000
0
−2000
−4000
−6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −71.1
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.02616
Std Dev 0.728
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

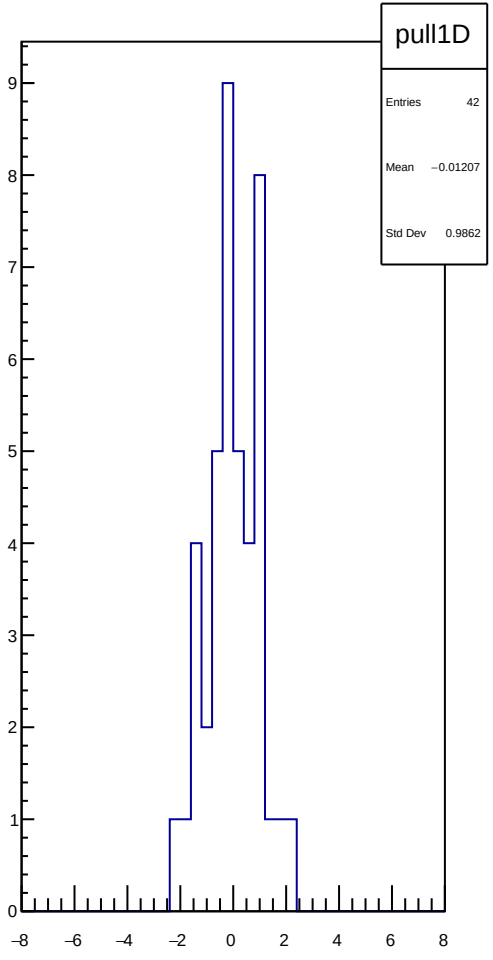

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 9824 / 41
p0 122.9 ± 0.1359
140
130
120
110
100
90
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

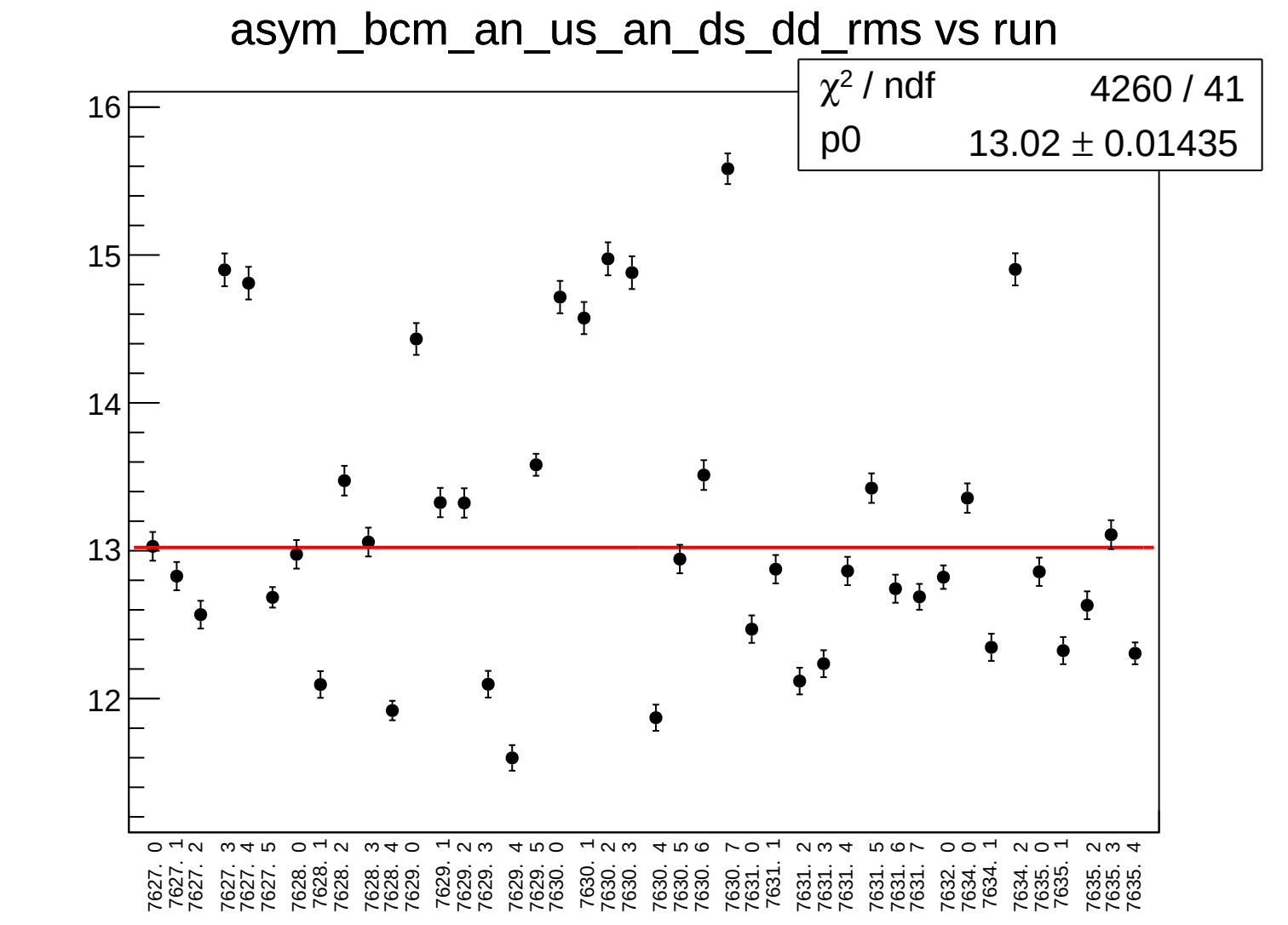

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 23.42 / 41
p0 −332.5 ± 574.8
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −62.72
Std Dev 0
1
0
−1
−2
−3

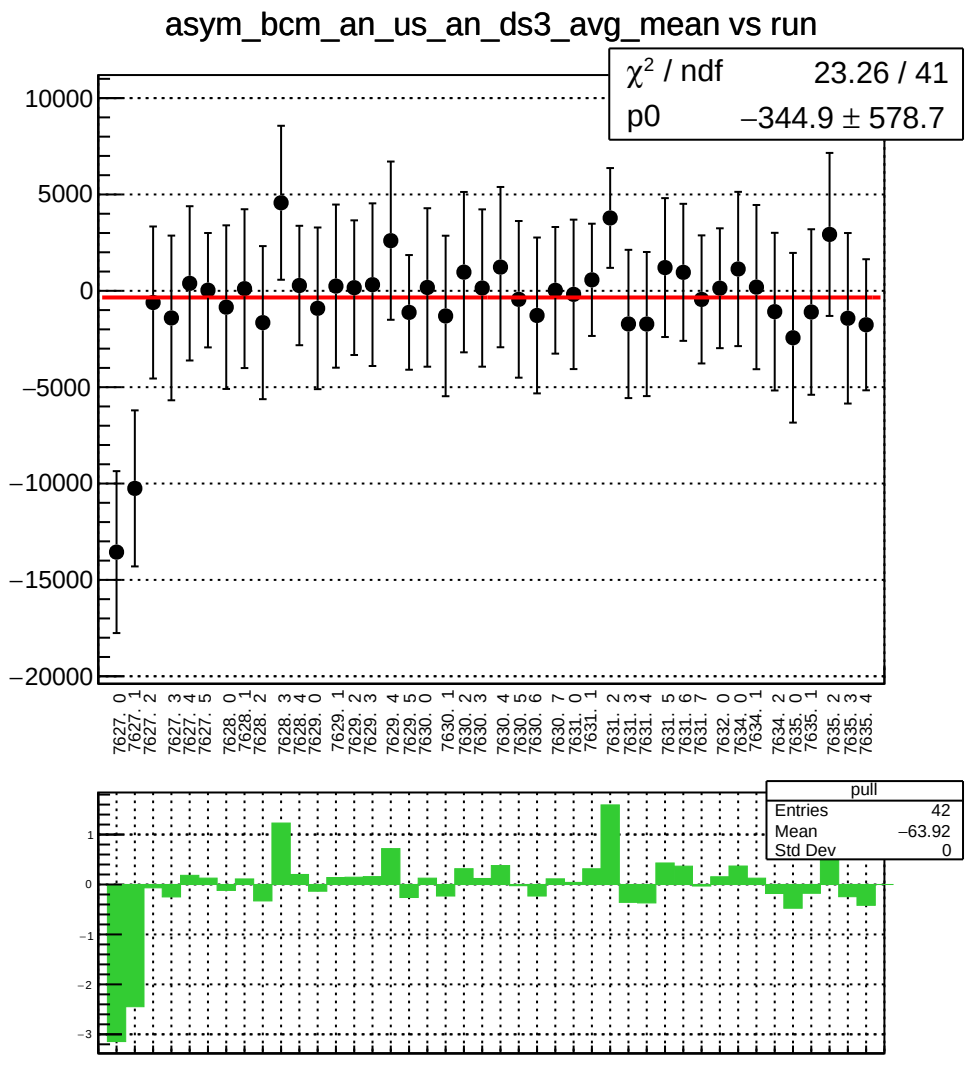

pull1D
Entries 42
Mean −0.02986
Std Dev 0.7462
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

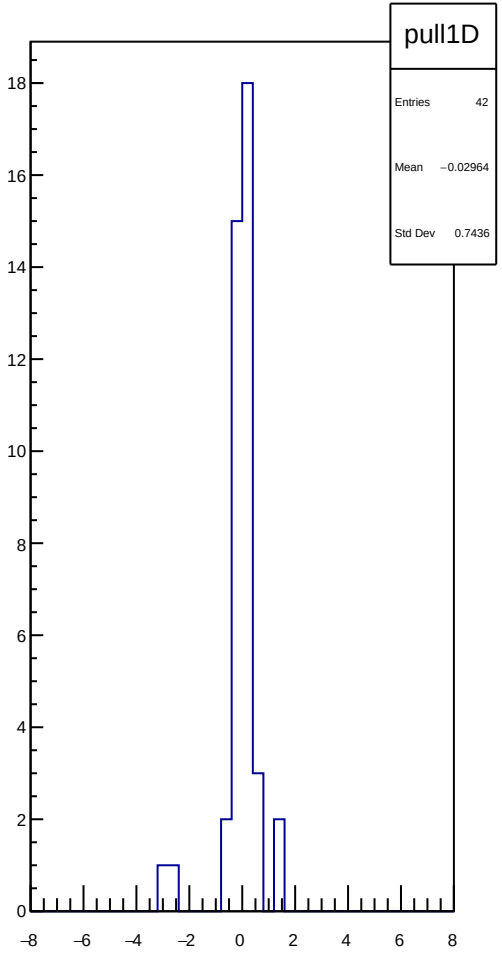

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 9958 / 41
p0 367.6 ± 0.4065
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

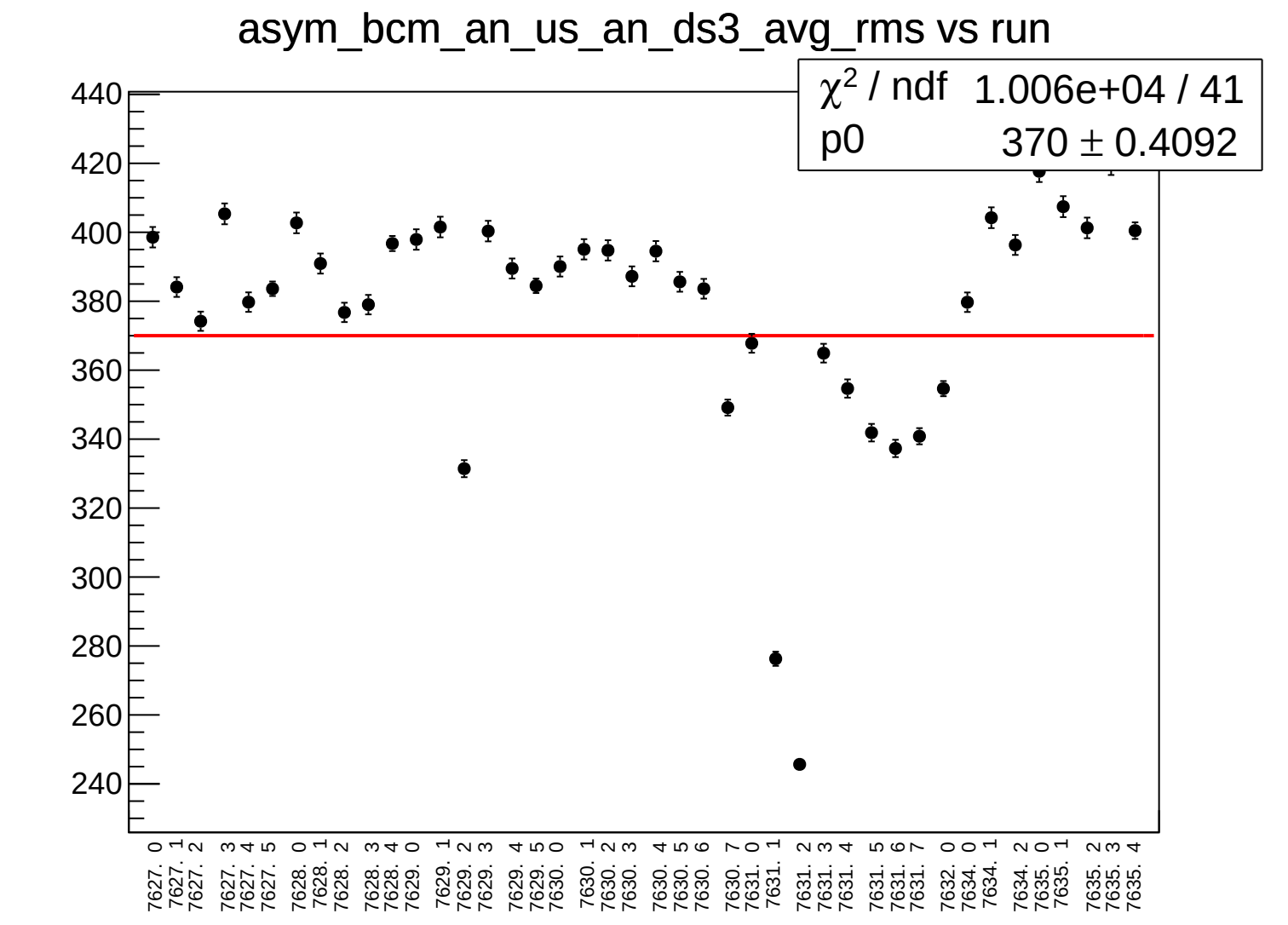

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 40.85 / 41
p0 31.38 ± 20.29
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

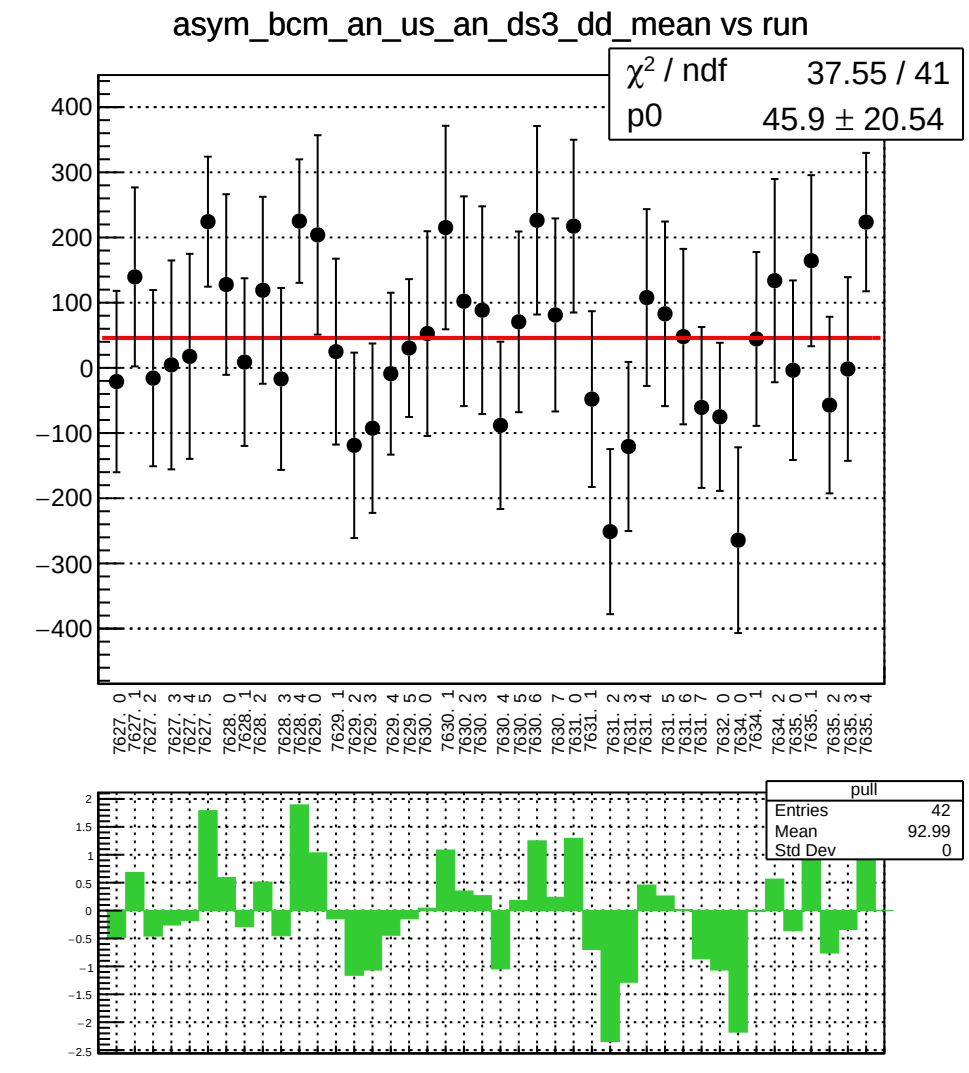

pull1D
Entries 42
Mean −0.01207
Std Dev 0.9862
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

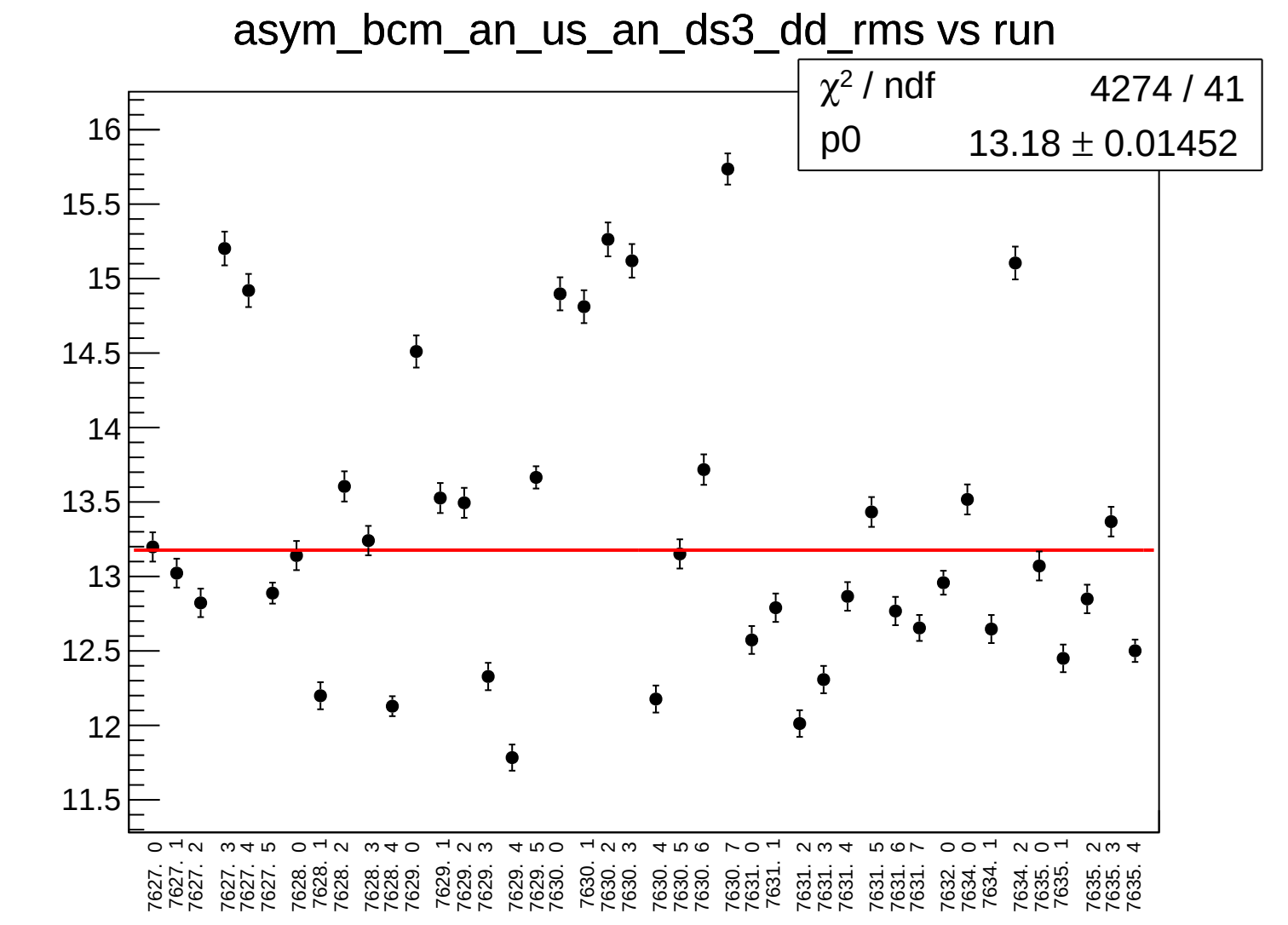

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 4260 / 41
p0 13.02 ± 0.01435
16
15
14
13
12
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

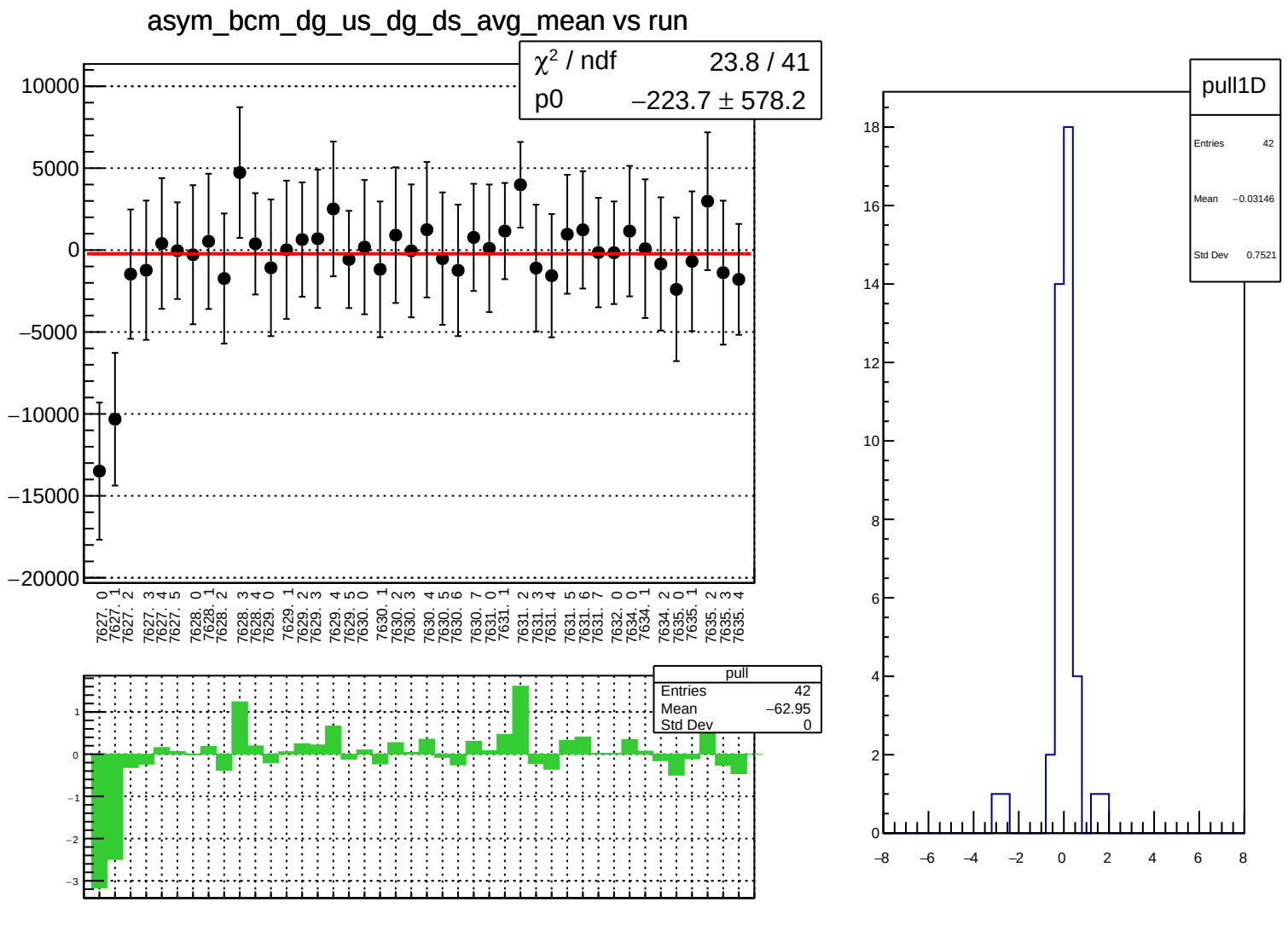

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 23.26 / 41
p0 −344.9 ± 578.7
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −63.92
Std Dev 0
1
0
−1
−2
−3

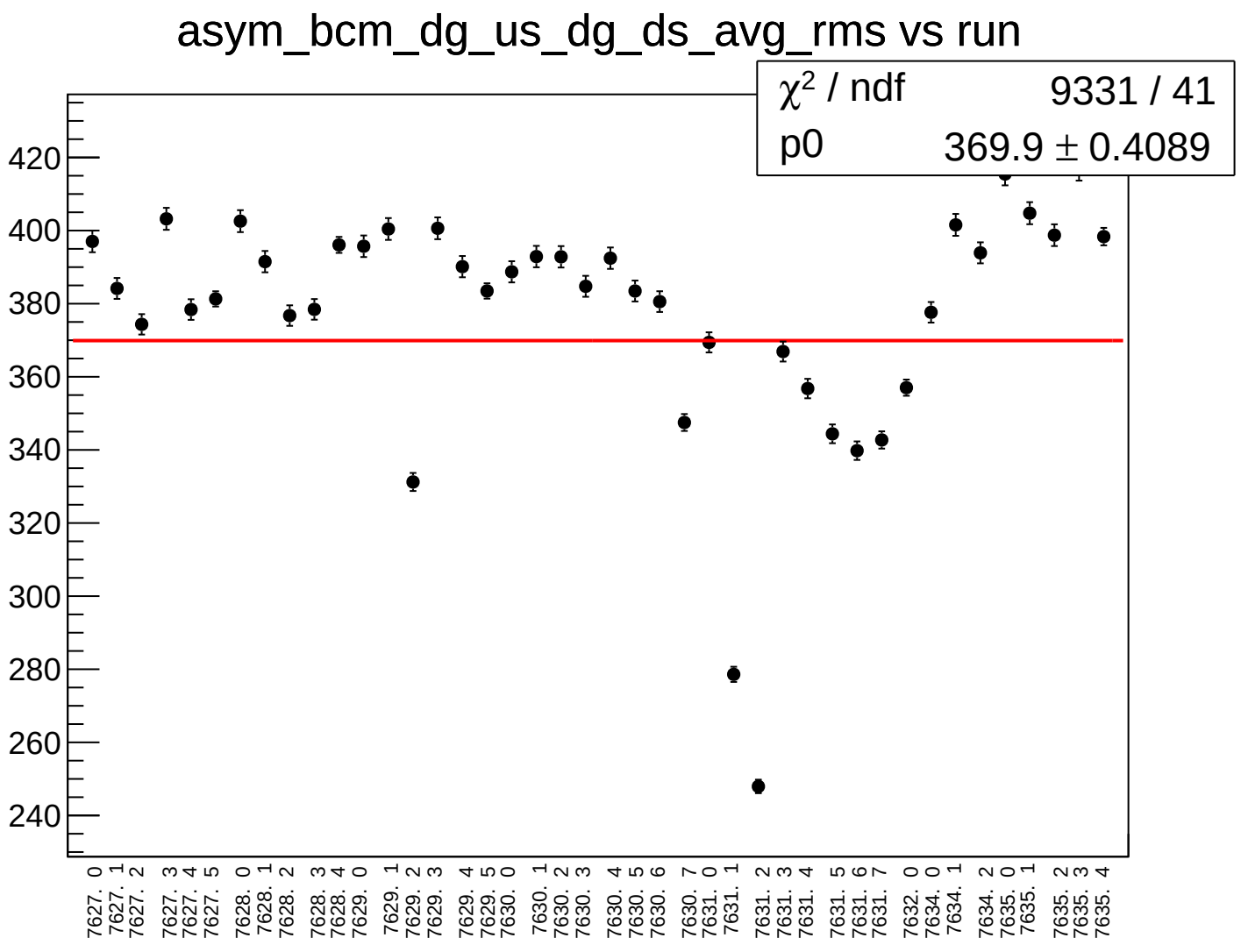

pull1D
Entries 42
Mean −0.02964
Std Dev 0.7436
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

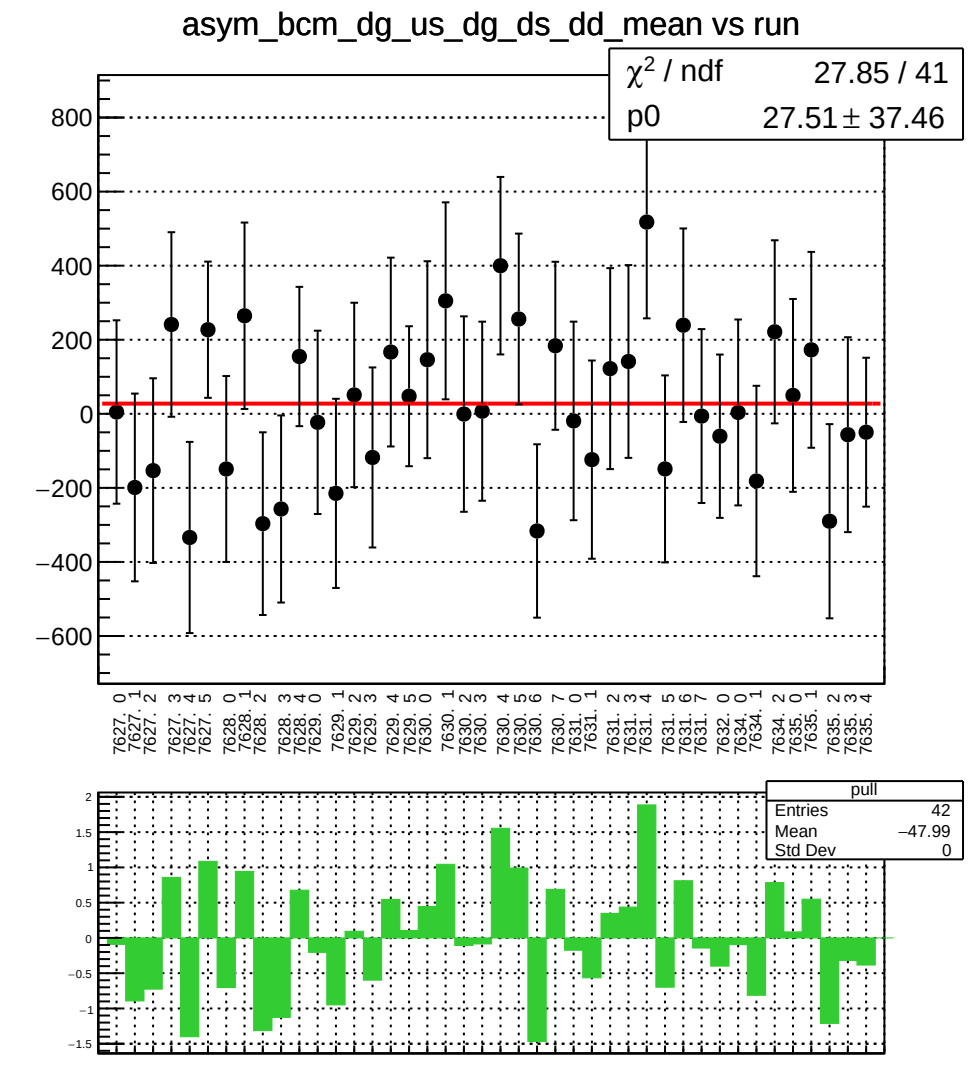

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 1.006e+04 / 41
p0 370 ± 0.4092
440
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

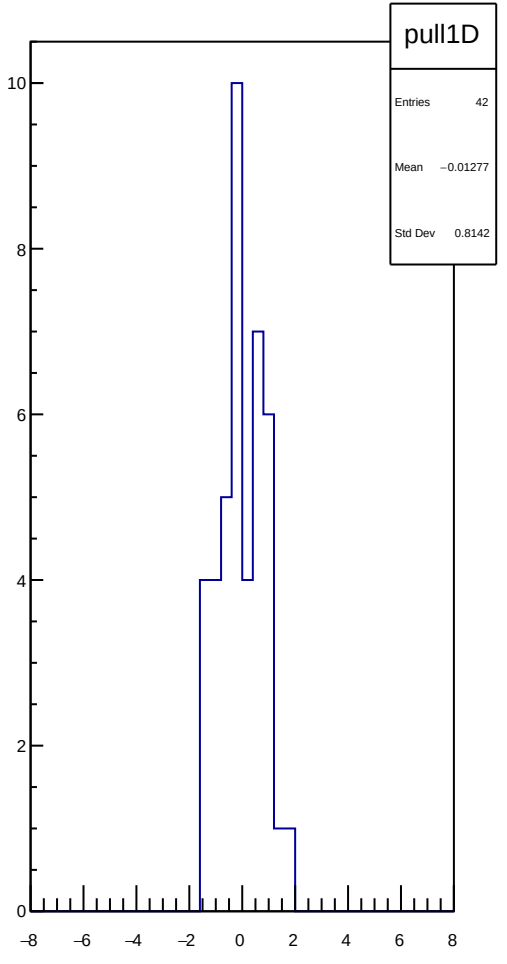

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 37.55 / 41
p0 45.9 ± 20.54
pull
Entries 42
Mean 92.99
Std Dev 0
pull1D
Entries 42
Mean −0.02236
Std Dev 0.9453

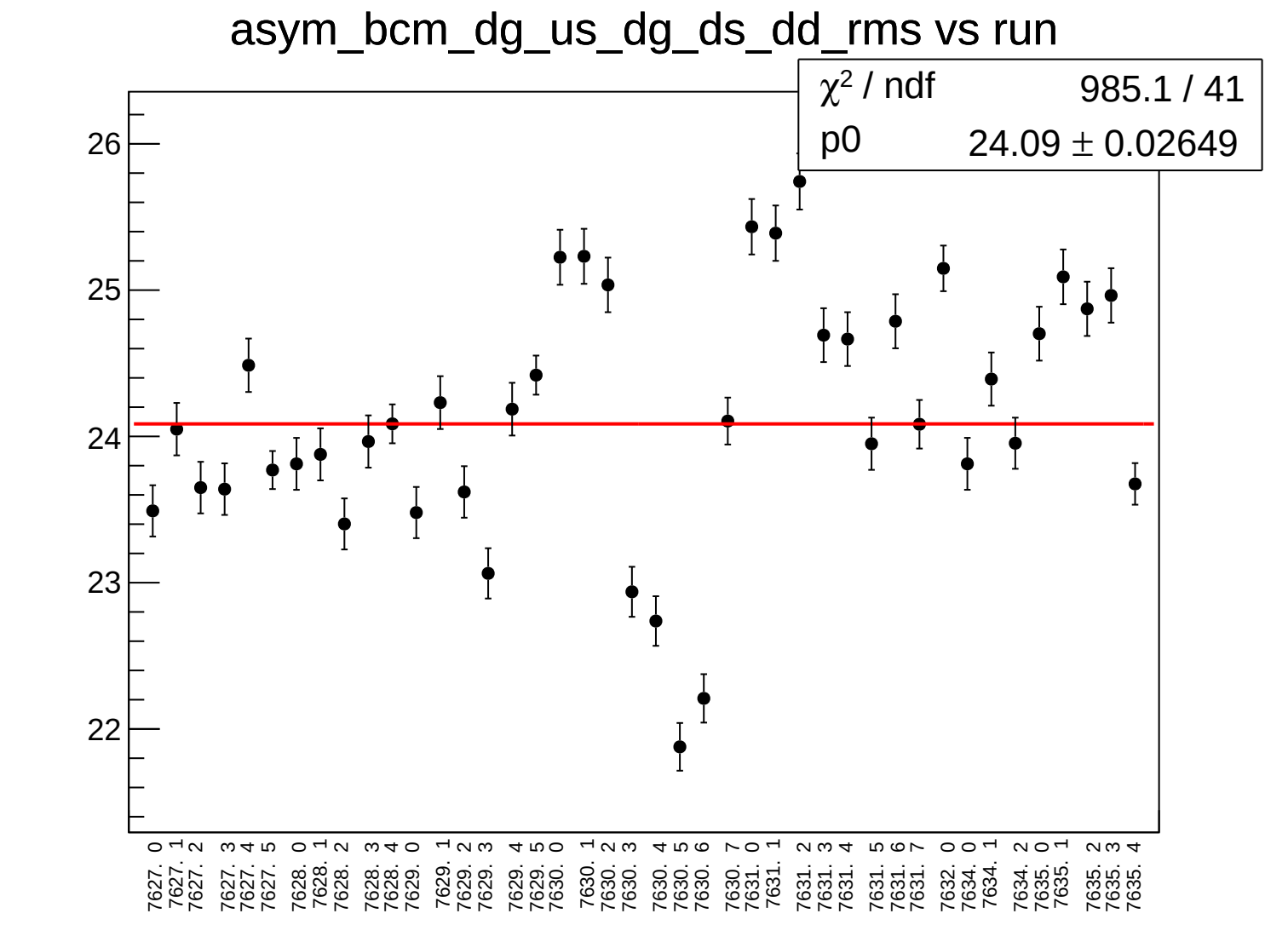

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 4274 / 41
p0 13.18 ± 0.01452
16
15.5
15
14.5
14
13.5
13
12.5
12
11.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

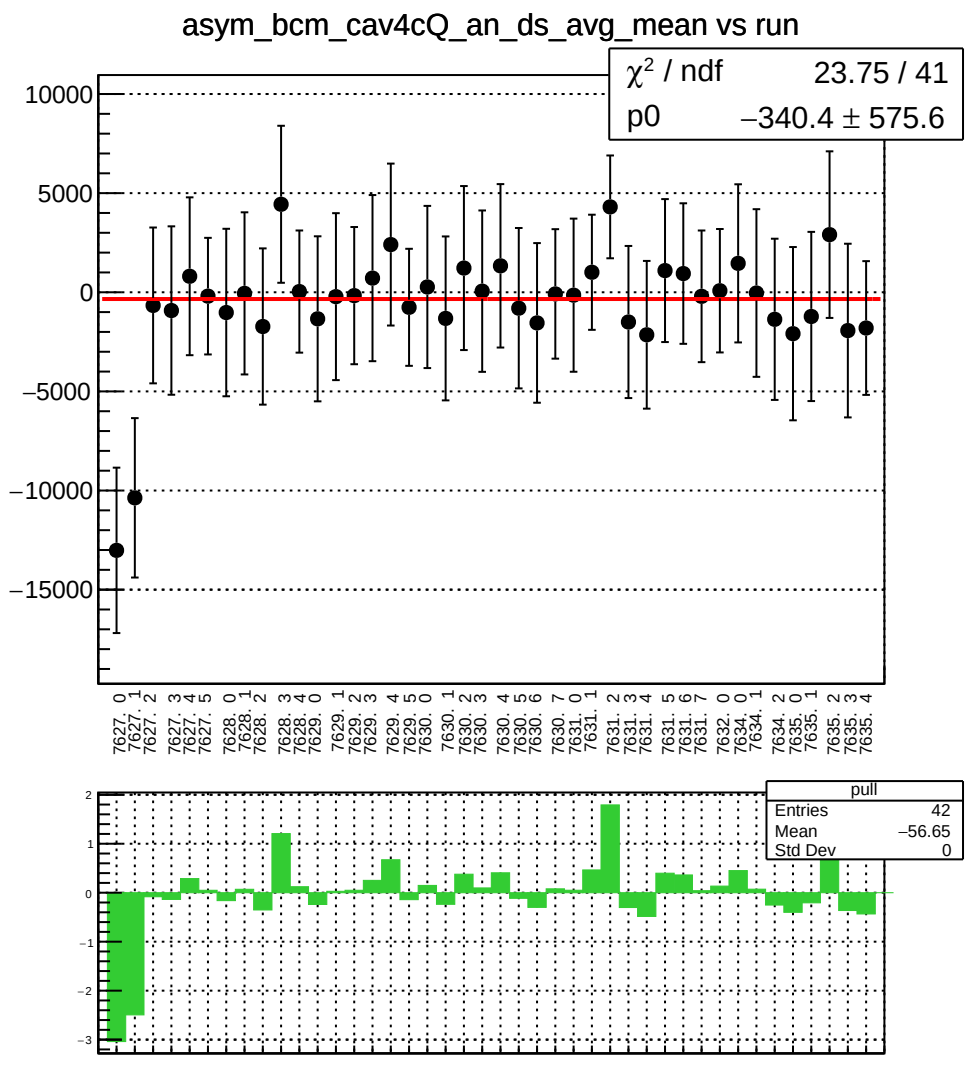

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 23.8 / 41
p0 −223.7 ± 578.2
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −62.95
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.03146
Std Dev 0.7521
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

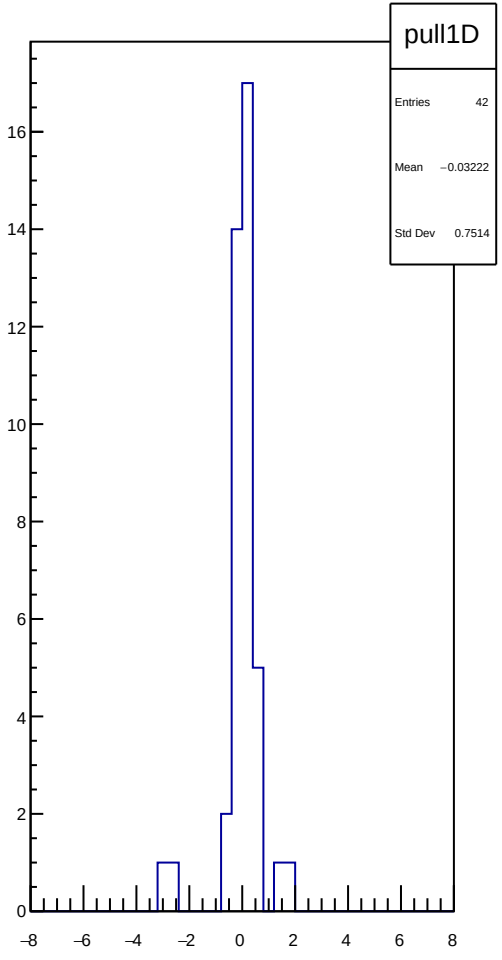

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 9331 / 41
p0 369.9 ± 0.4089
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

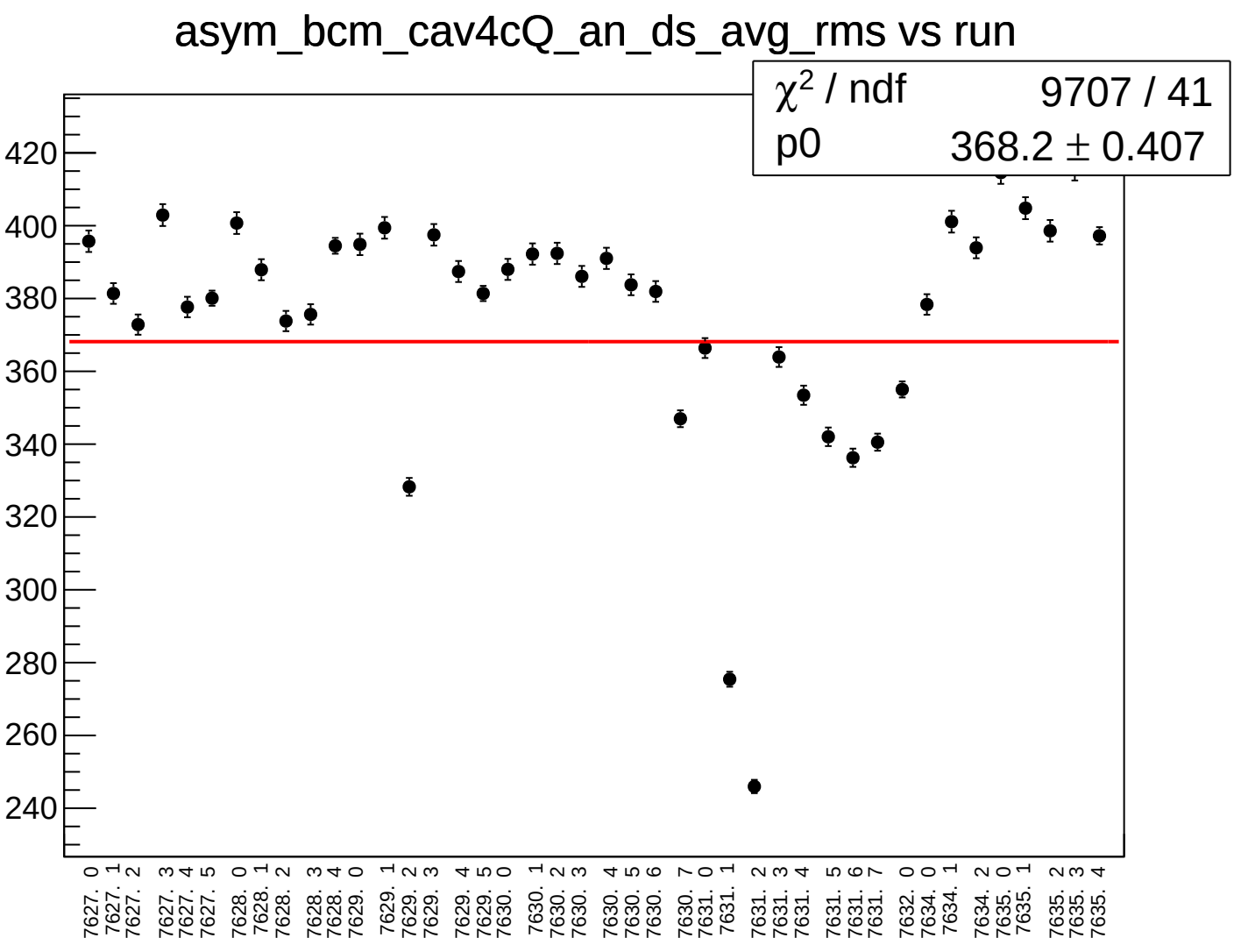

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 27.85 / 41
p0 27.51 ± 37.46
800
600
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −47.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

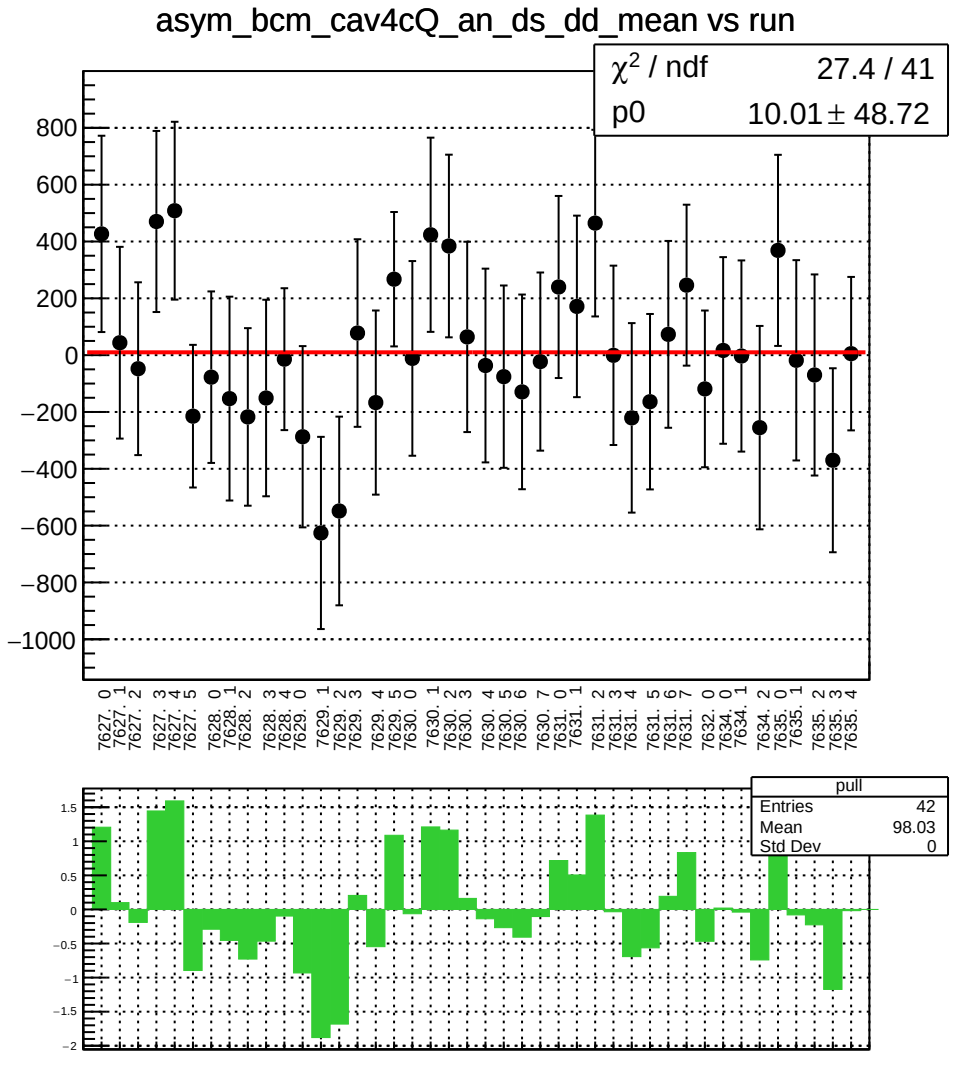

pull1D
Entries 42
Mean −0.01277
Std Dev 0.8142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

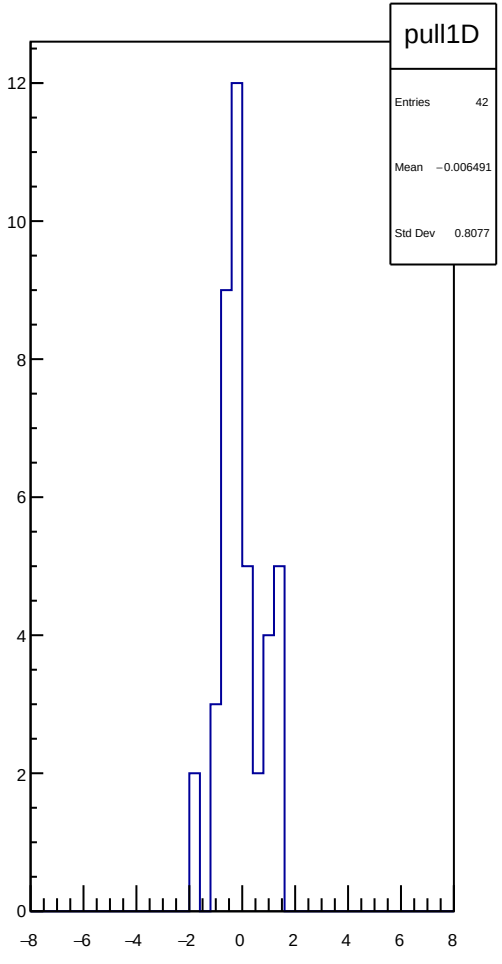

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 985.1 / 41
p0 24.09 ± 0.02649
26
25
24
23
22
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

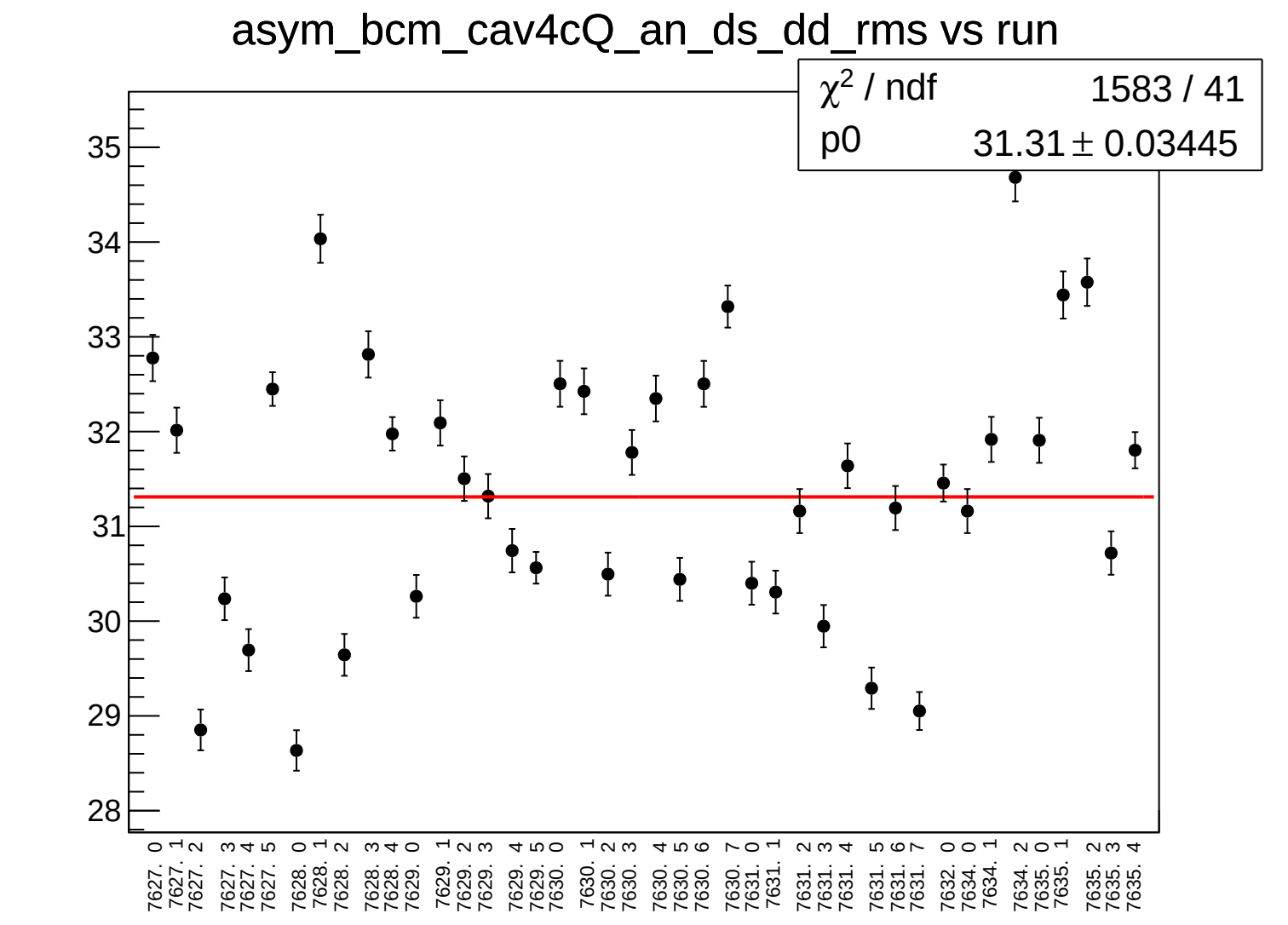

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 23.75 / 41
p0 −340.4 ± 575.6
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −56.65
Std Dev 0
2
1
0
−1
−2
−3

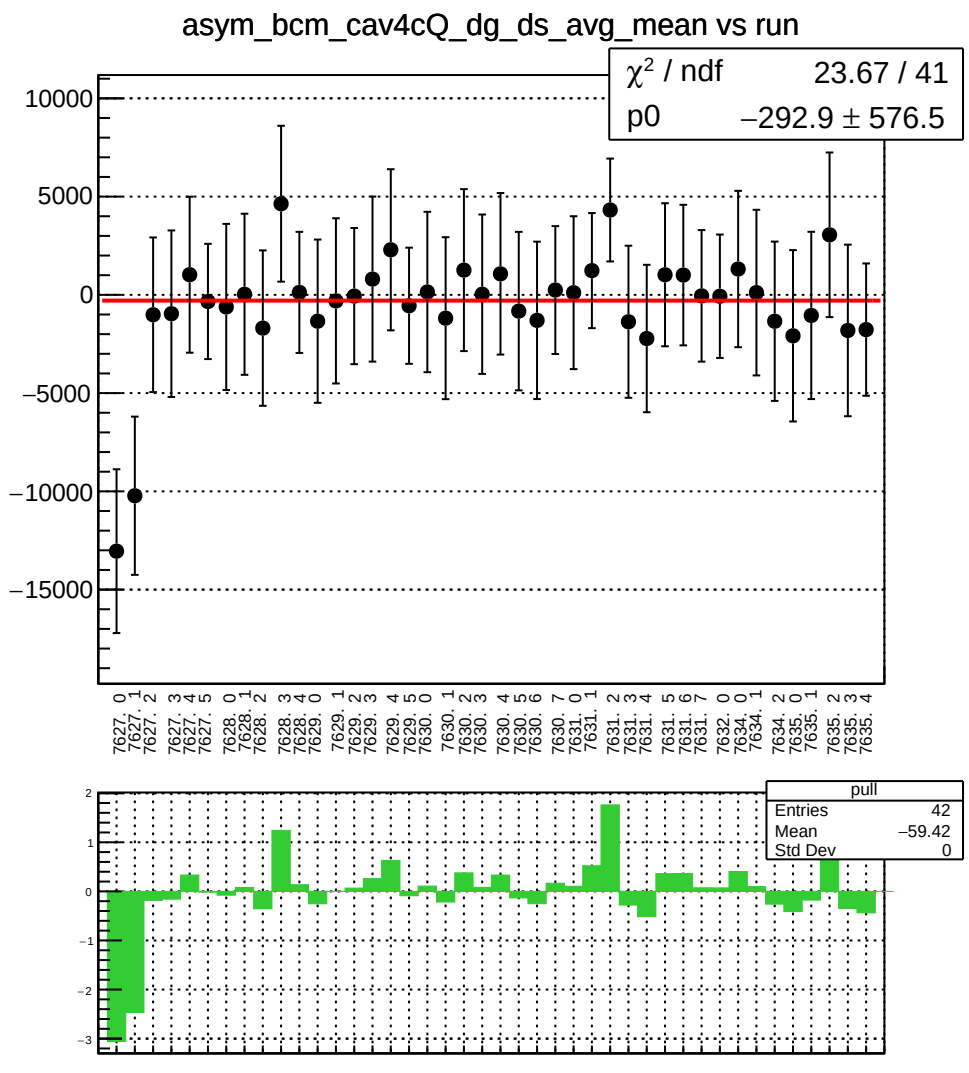

pull1D
Entries 42
Mean −0.03222
Std Dev 0.7514
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

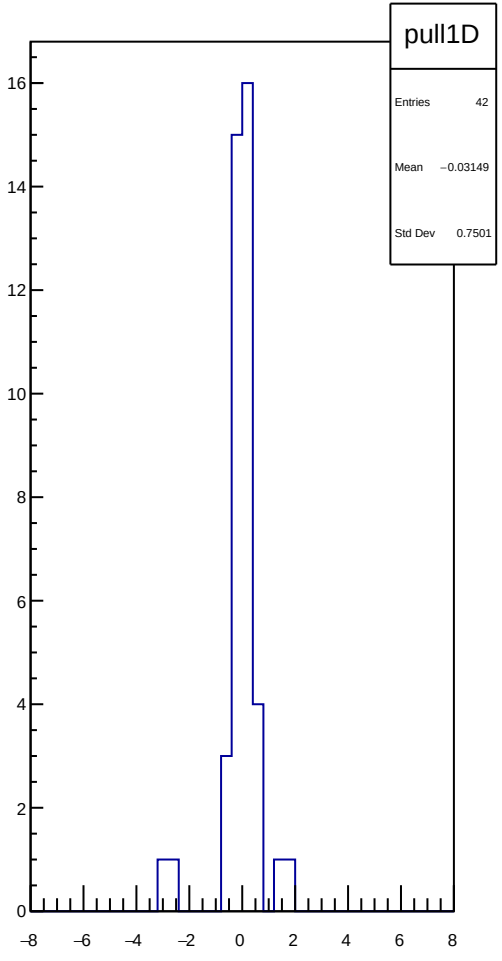

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 9707 / 41
p0 368.2 ± 0.407
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

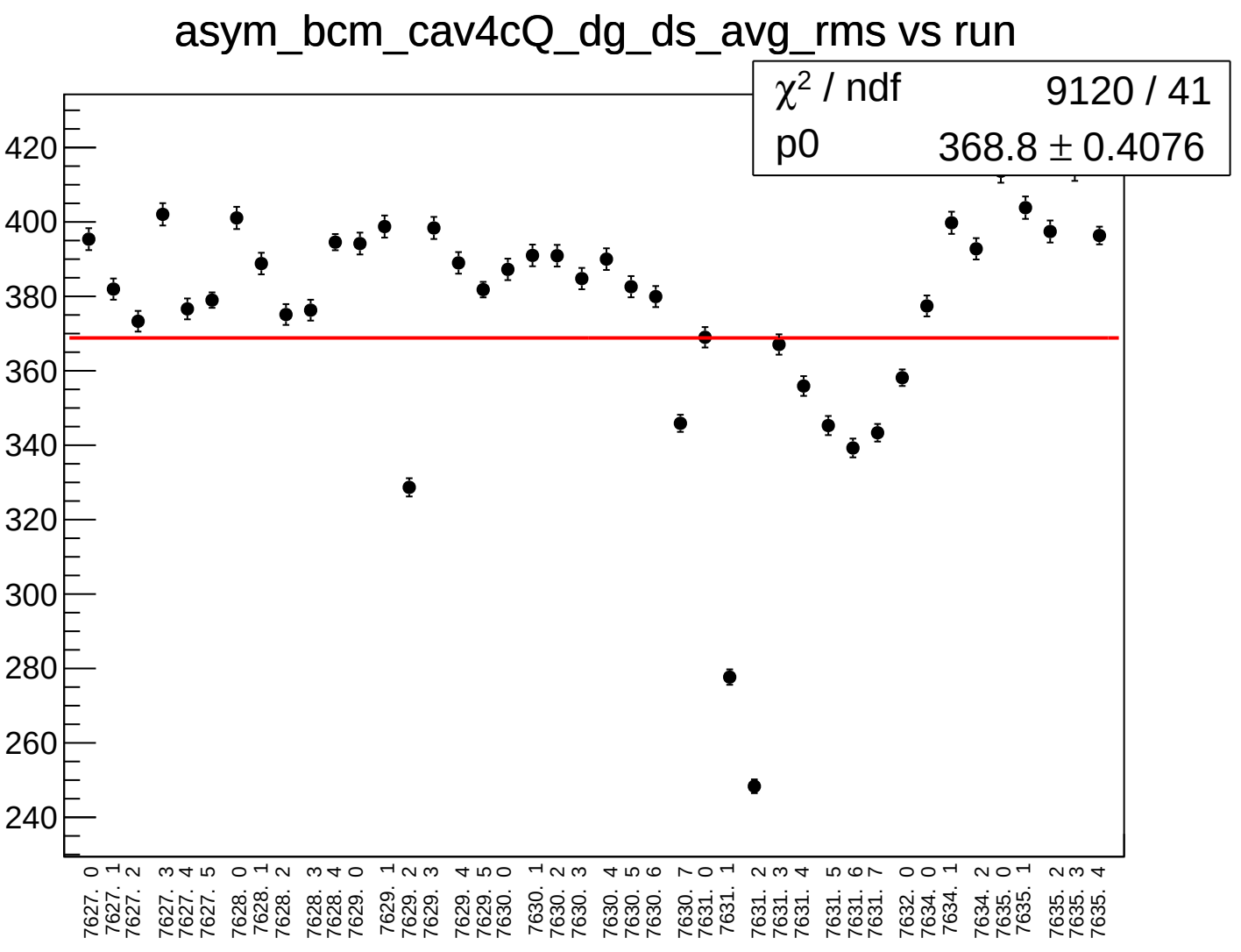

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 27.4 / 41
p0 10.01 ± 48.72
pull
Entries 42
Mean 98.03
Std Dev 0

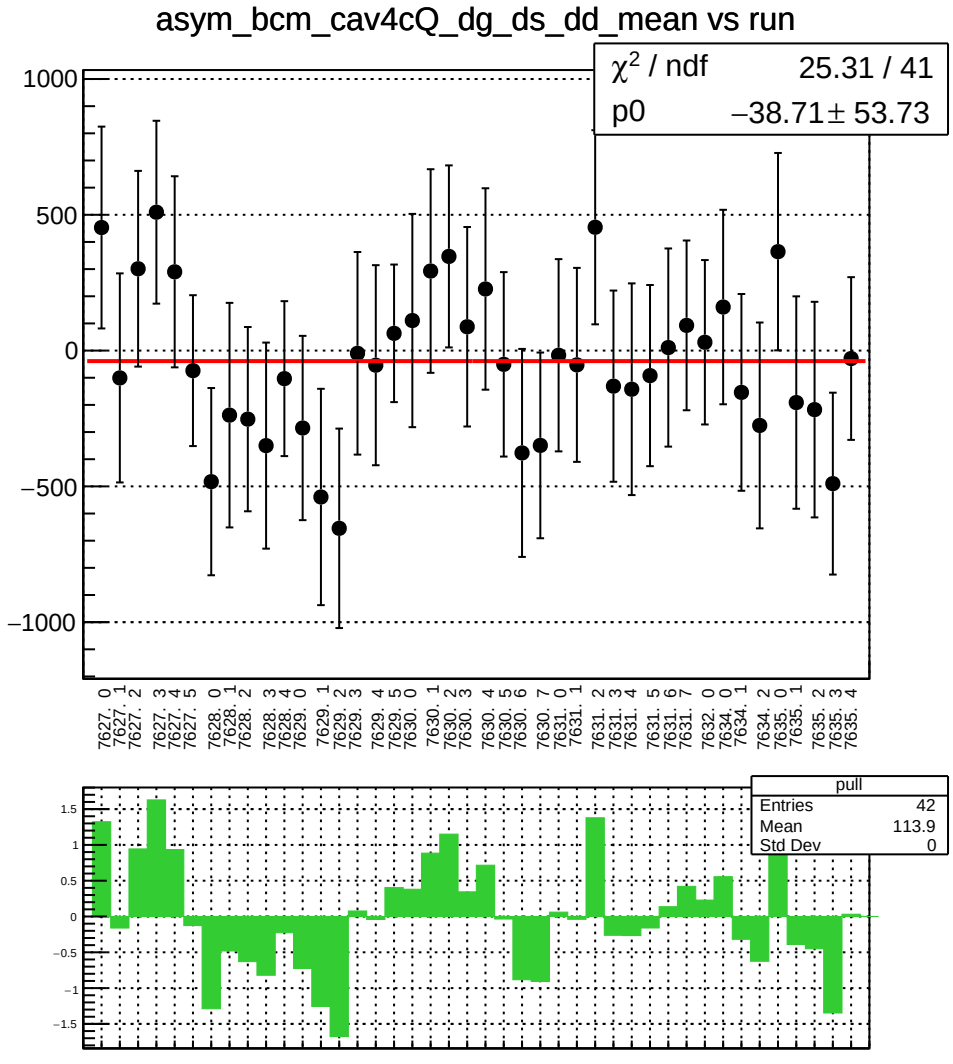

pull1D
Entries 42
Mean −0.006491
Std Dev 0.8077

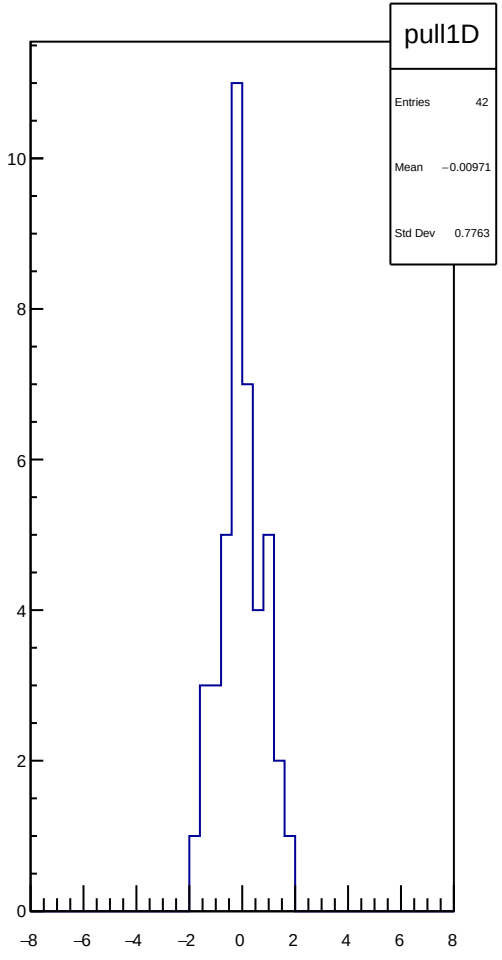

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 1583 / 41
p0 31.31 ± 0.03445
35
34
33
32
31
30
29
28
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

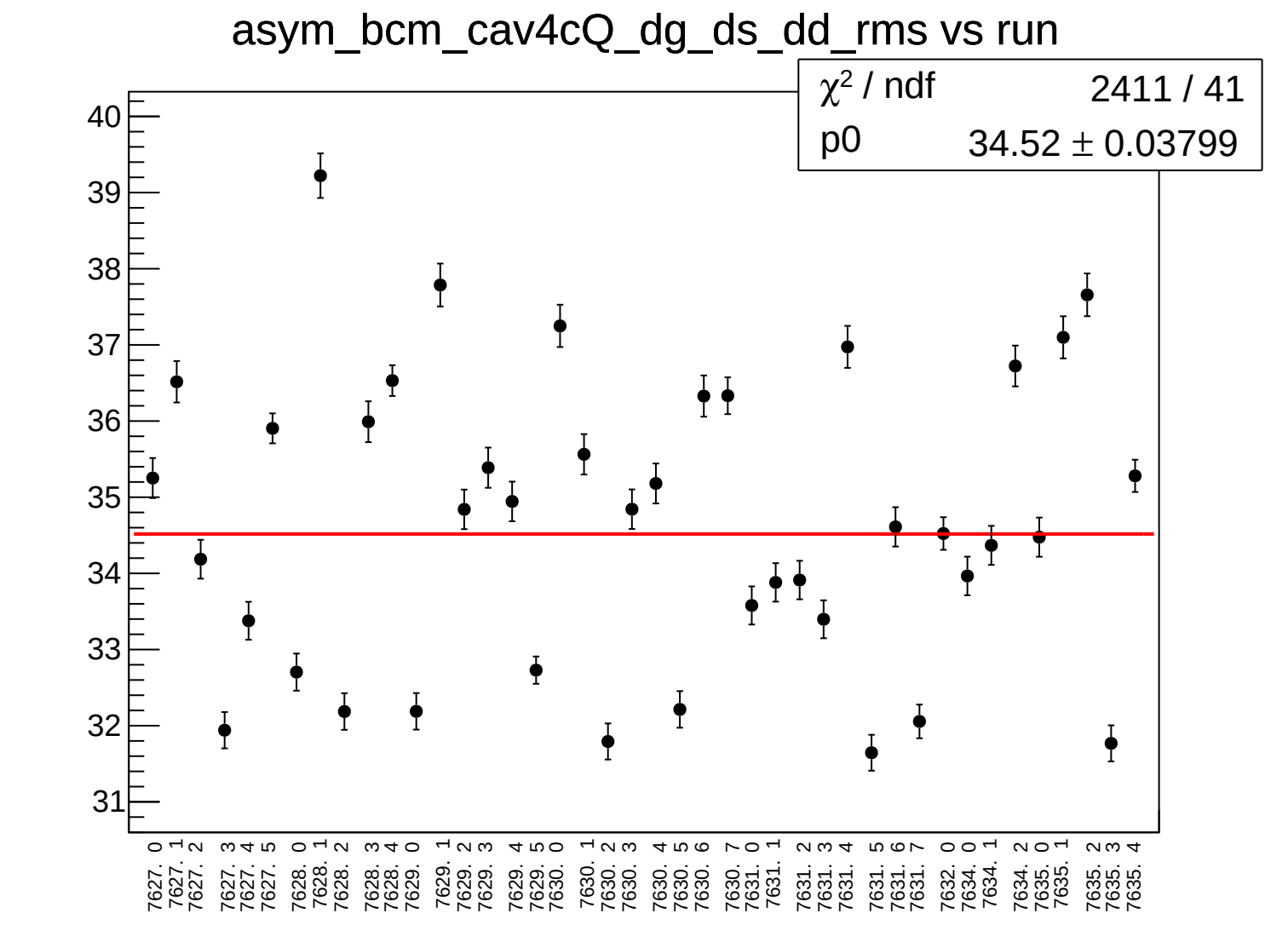

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 23.67 / 41
p0 −292.9 ± 576.5
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −59.42
Std Dev 0
2
1
0
−1
−2
−3

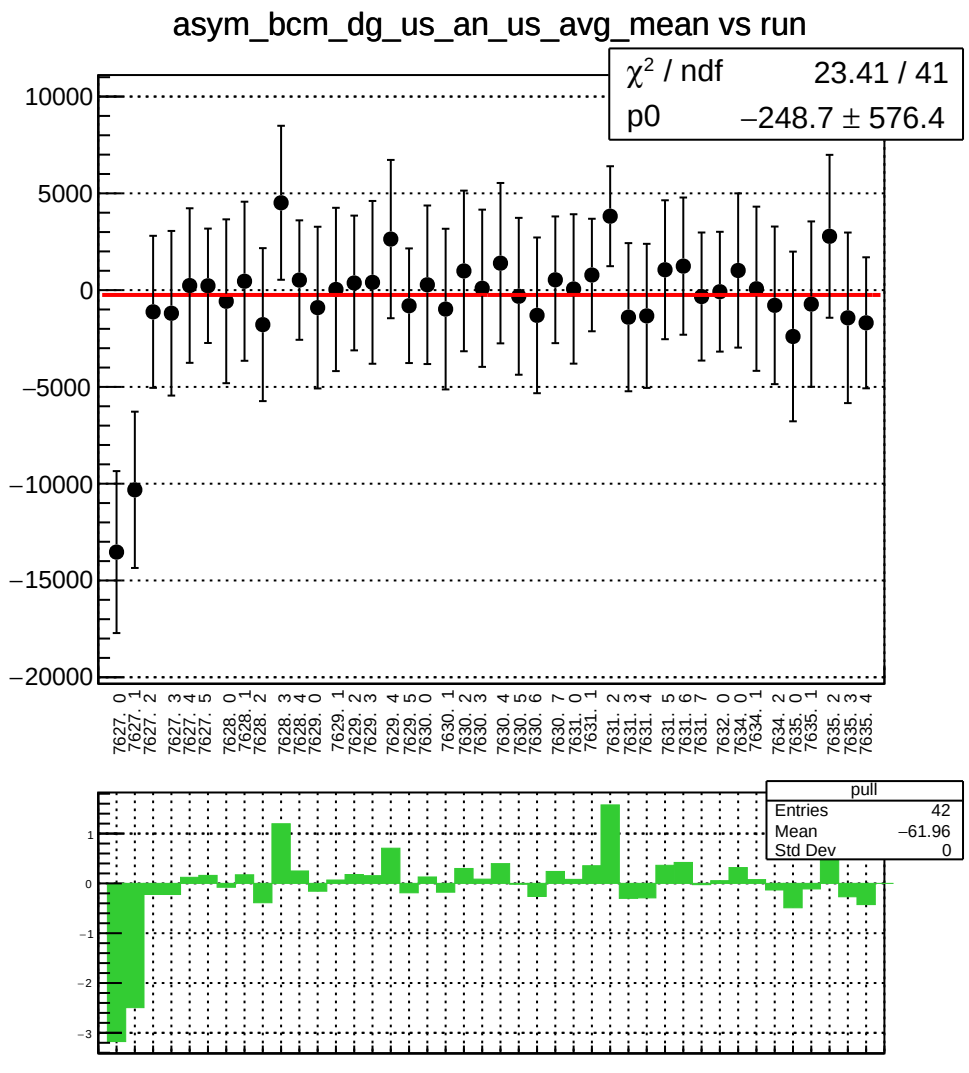

pull1D
Entries 42
Mean −0.03149
Std Dev 0.7501
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

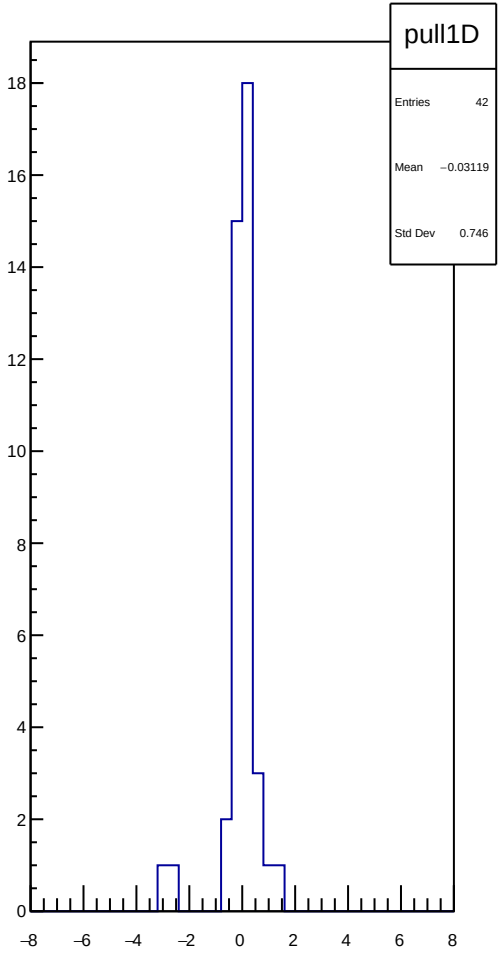

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 9120 / 41
p0 368.8 ± 0.4076
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

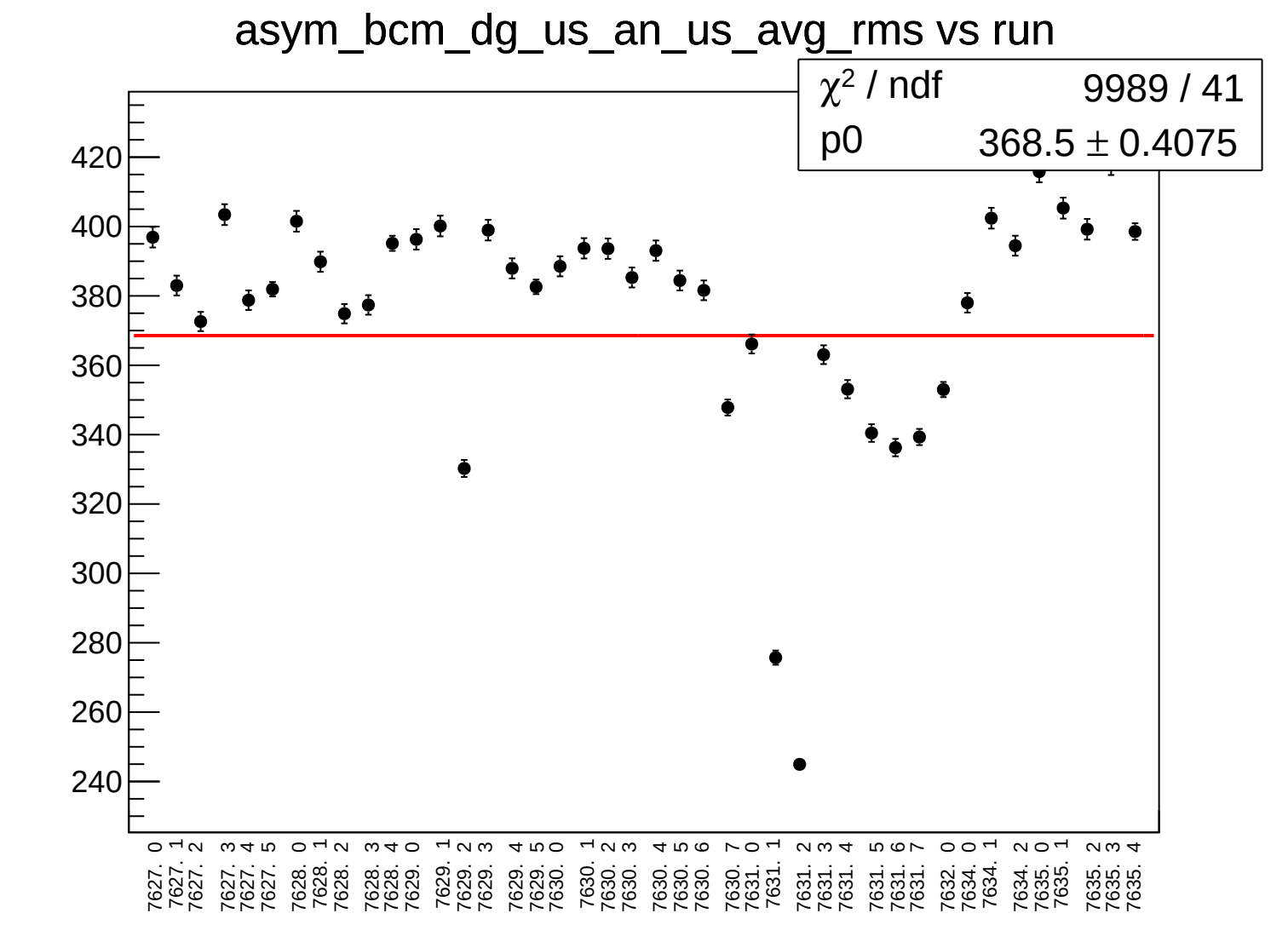

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 25.31 / 41
p0 −38.71 ± 53.73
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 113.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

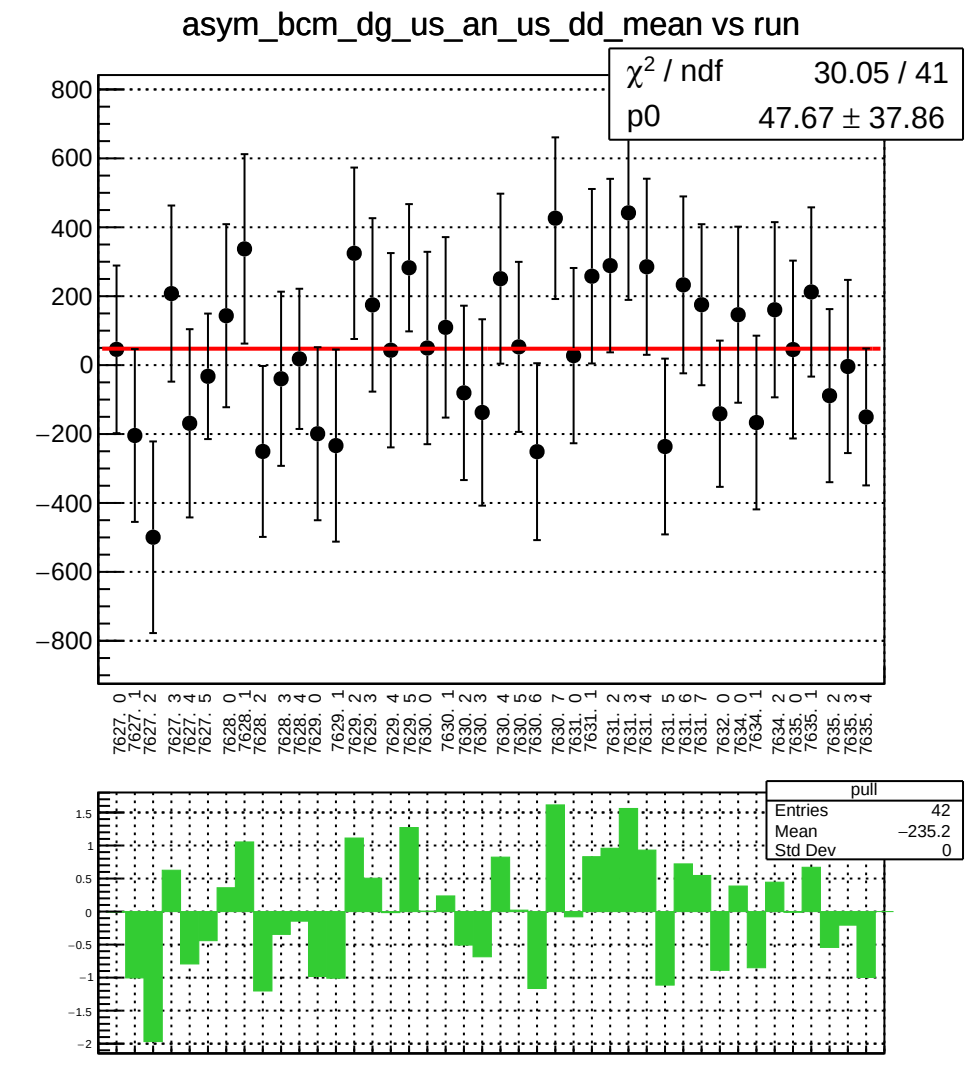

pull1D
Entries 42
Mean −0.00971
Std Dev 0.7763
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

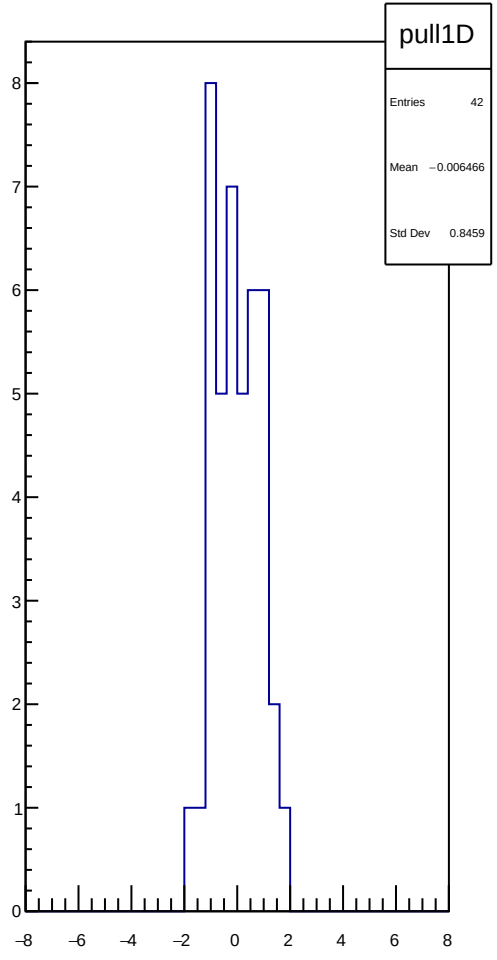

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 2411 / 41
p0 34.52 ± 0.03799
40
39
38
37
36
35
34
33
32
31
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

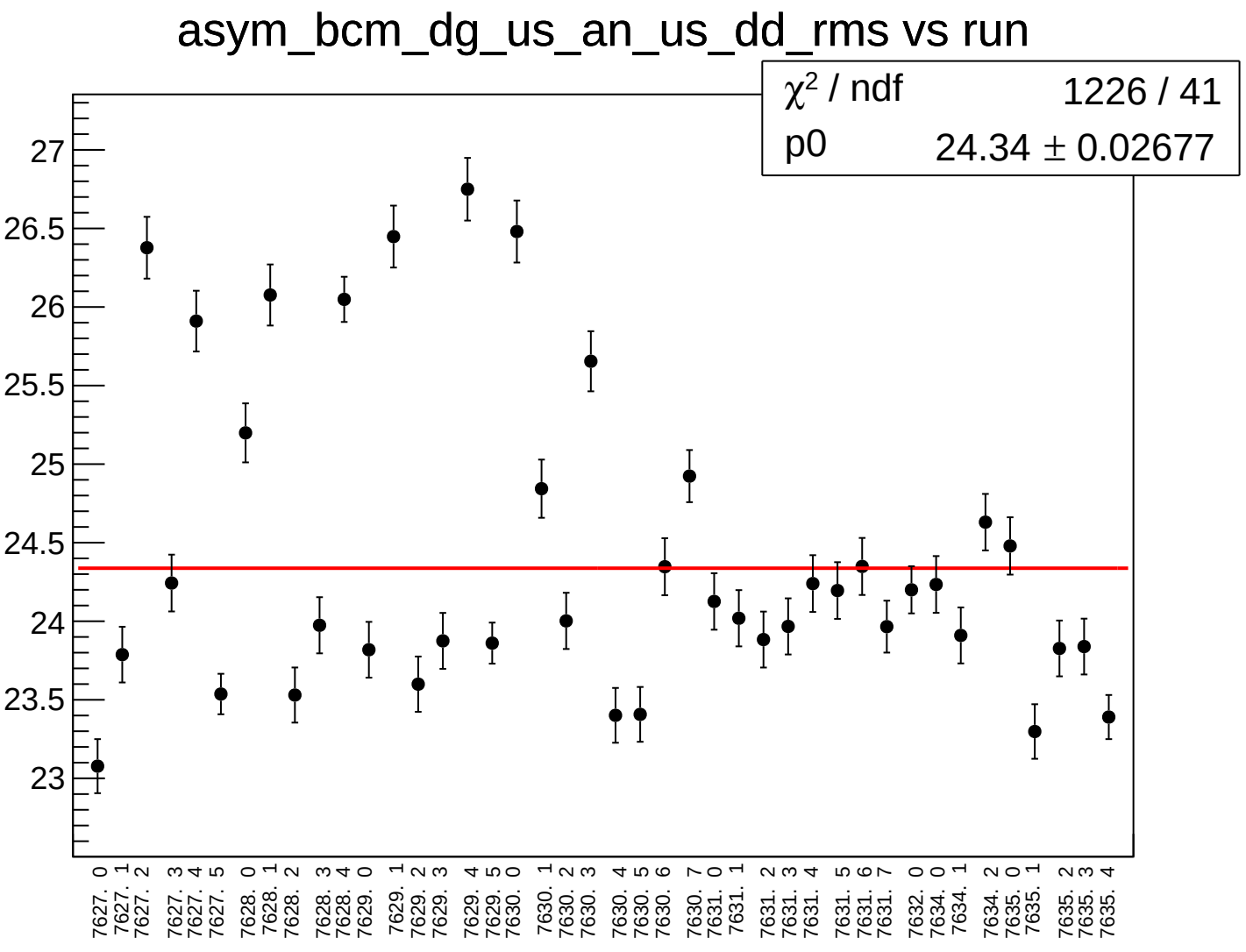

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 23.41 / 41
p0 −248.7 ± 576.4
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −61.96
Std Dev 0
1
0
−1
−2
−3

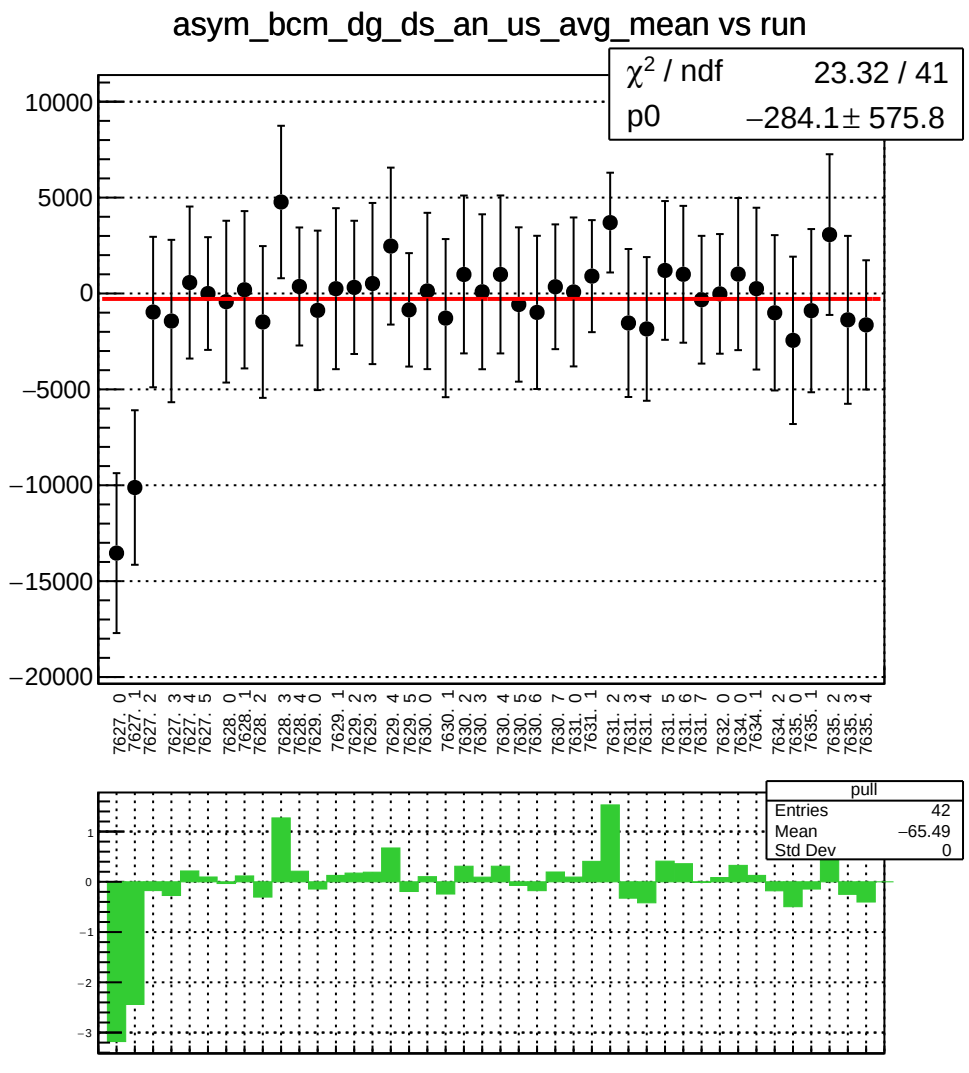

pull1D
Entries 42
Mean −0.03119
Std Dev 0.746
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

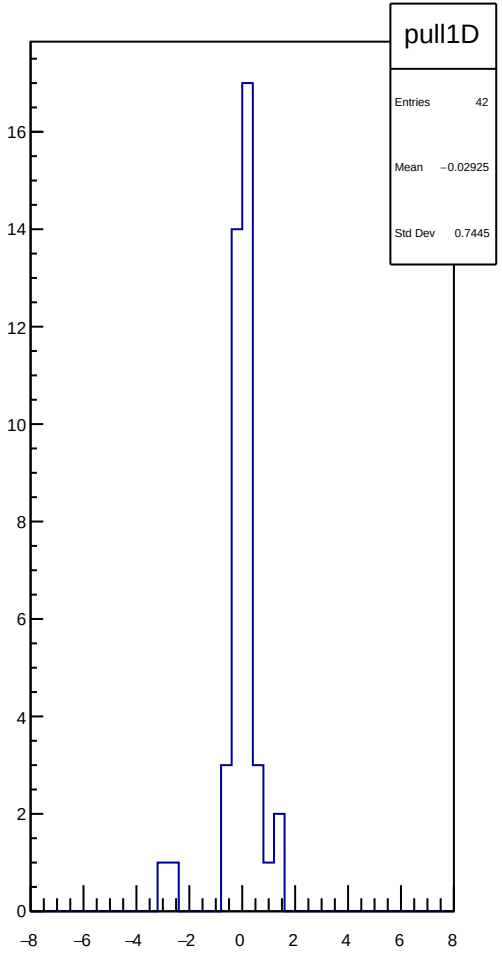

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 9989 / 41
p0 368.5 ± 0.4075
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

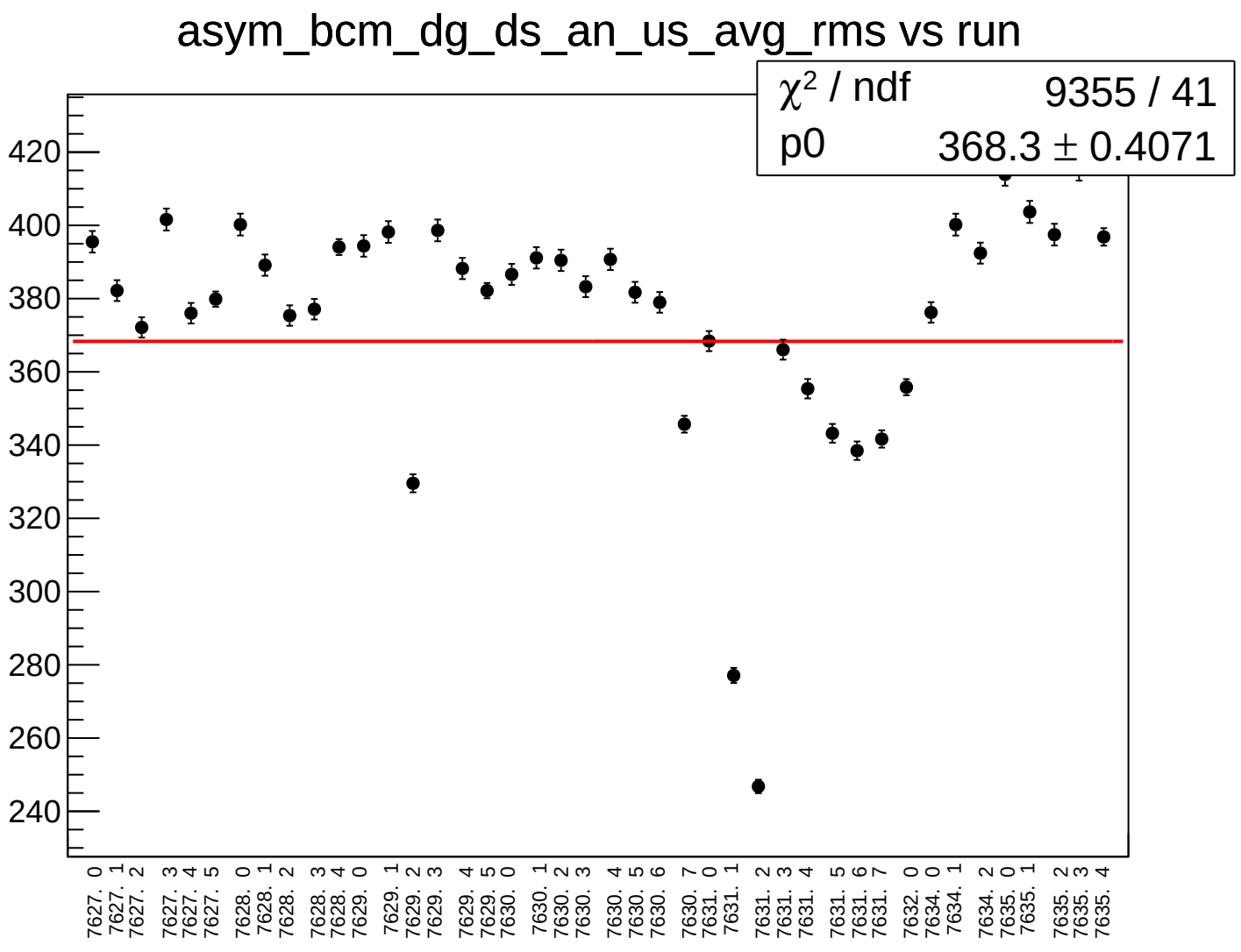

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 30.05 / 41
p0 47.67 ± 37.86
pull
Entries 42
Mean −235.2
Std Dev 0

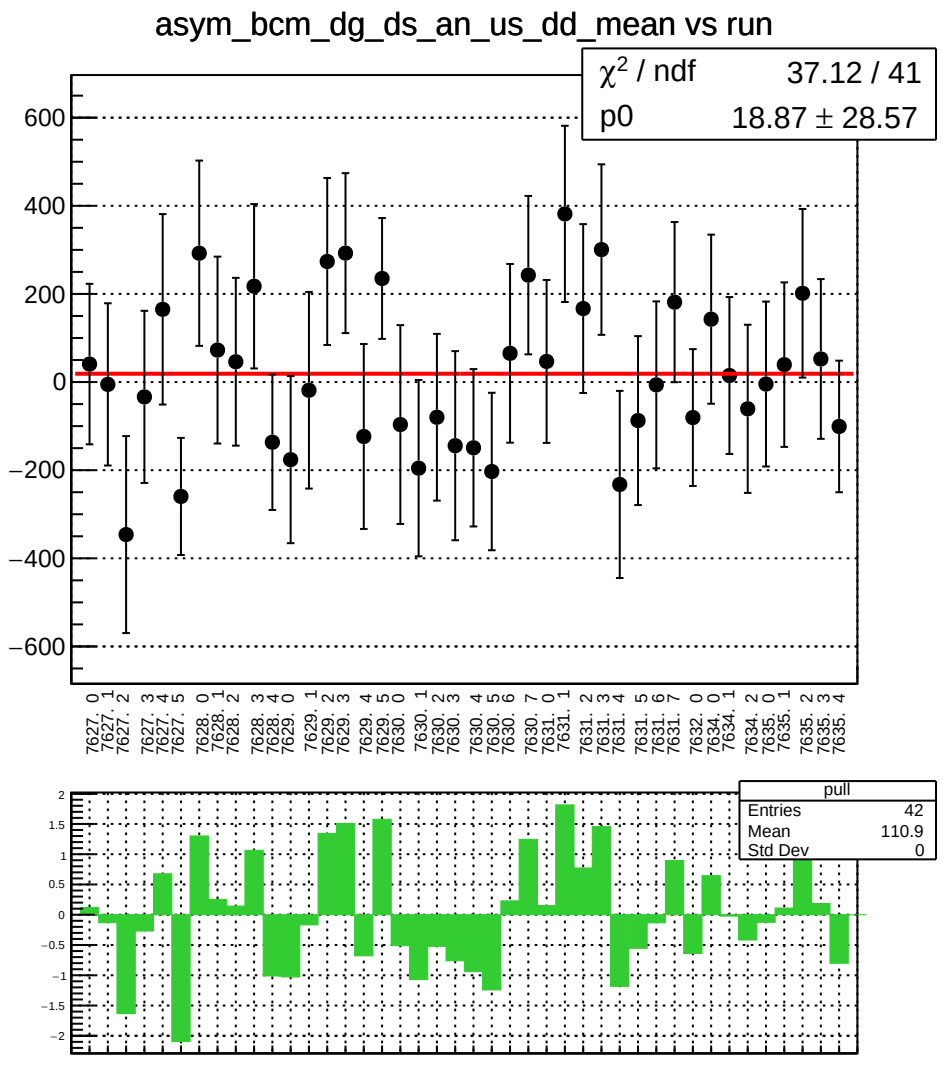

pull1D
Entries 42
Mean −0.006466
Std Dev 0.8459

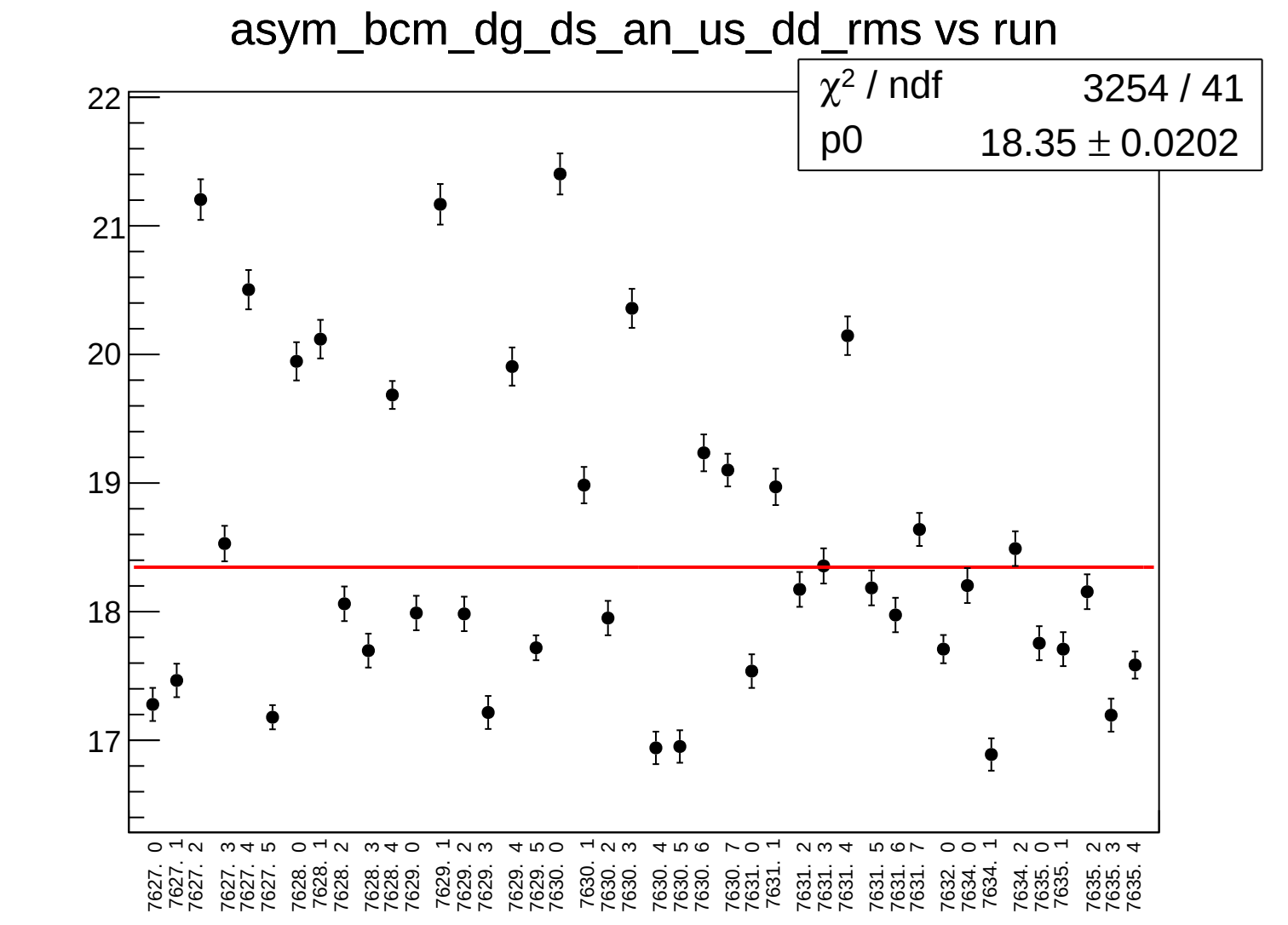

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 1226 / 41
p0 24.34 ± 0.02677
27
26.5
26
25.5
25
24.5
24
23.5
23
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

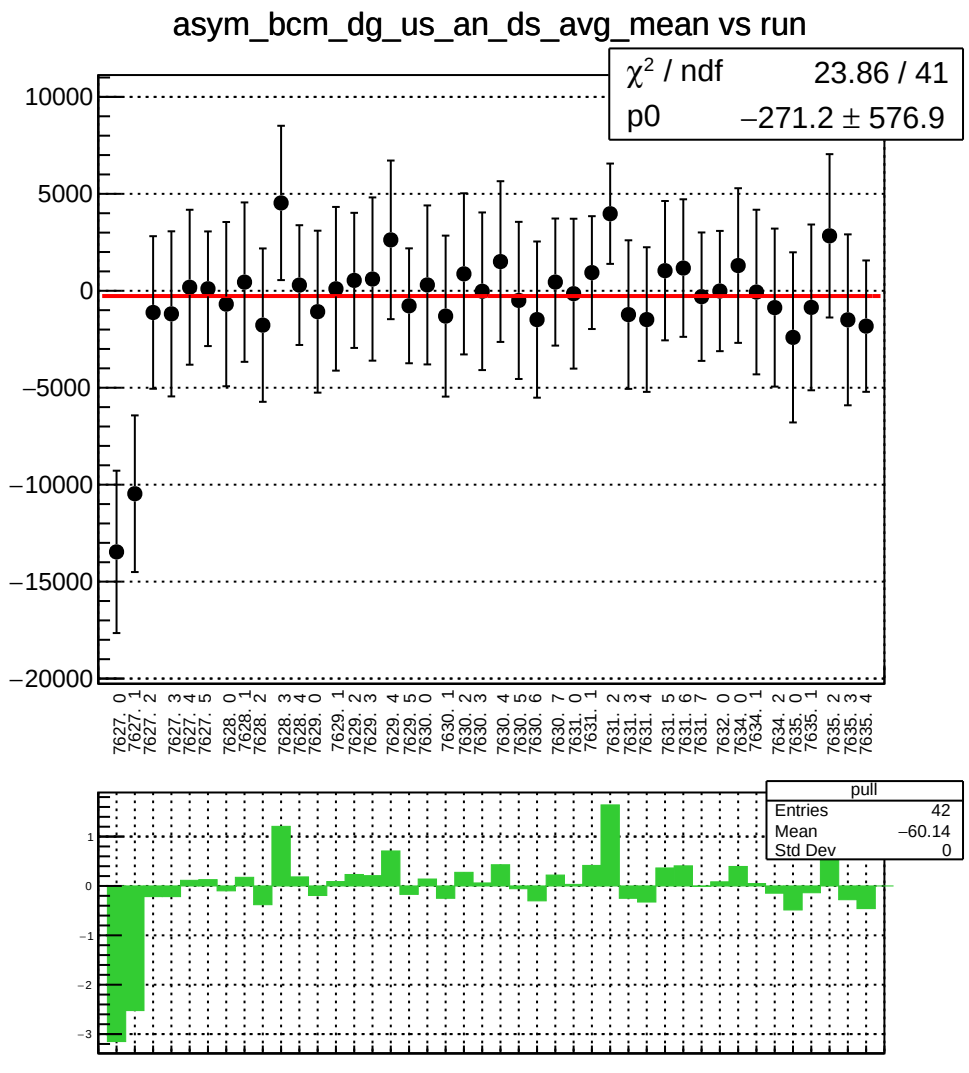

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 23.32 / 41
p0 −284.1 ± 575.8
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −65.49
Std Dev 0
1
0
−1
−2
−3

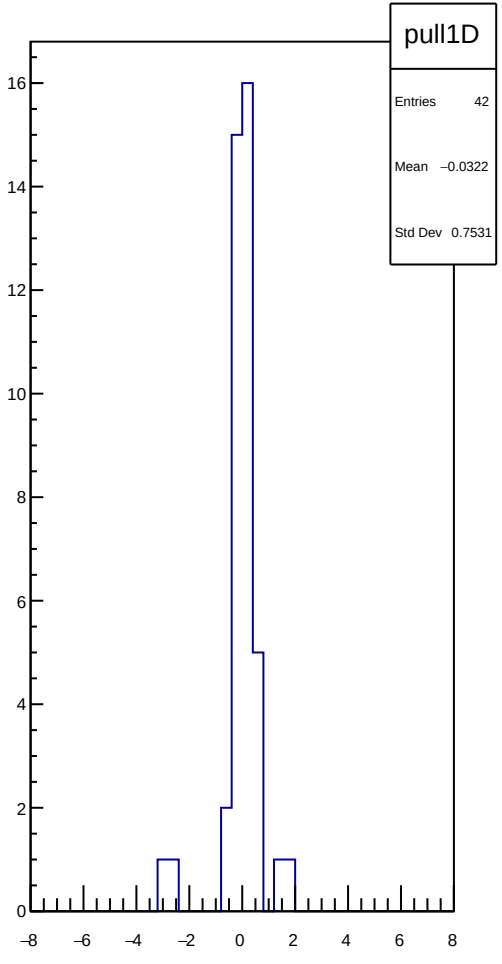

pull1D
Entries 42
Mean −0.02925
Std Dev 0.7445
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

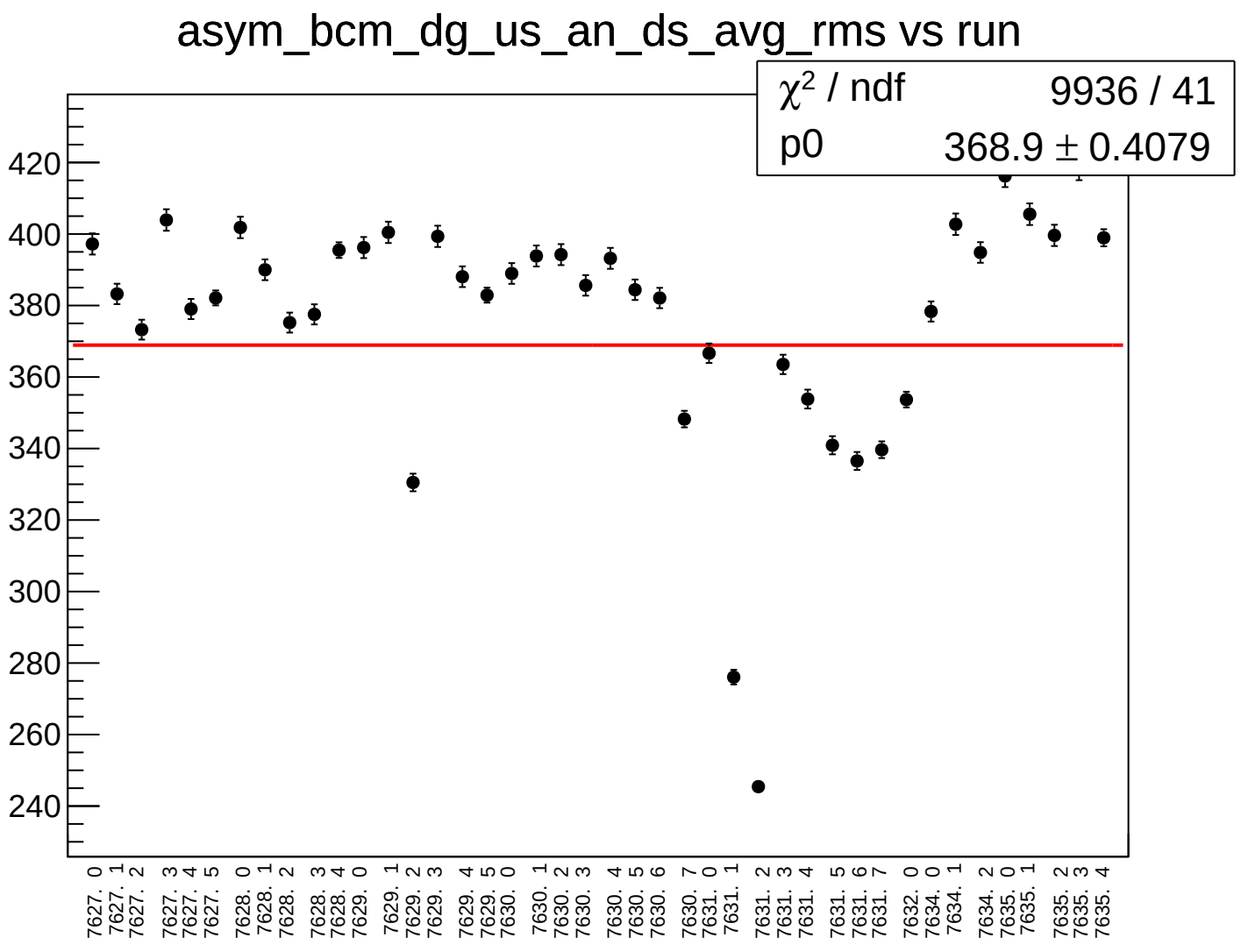

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 9355 / 41
p0 368.3 ± 0.4071
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

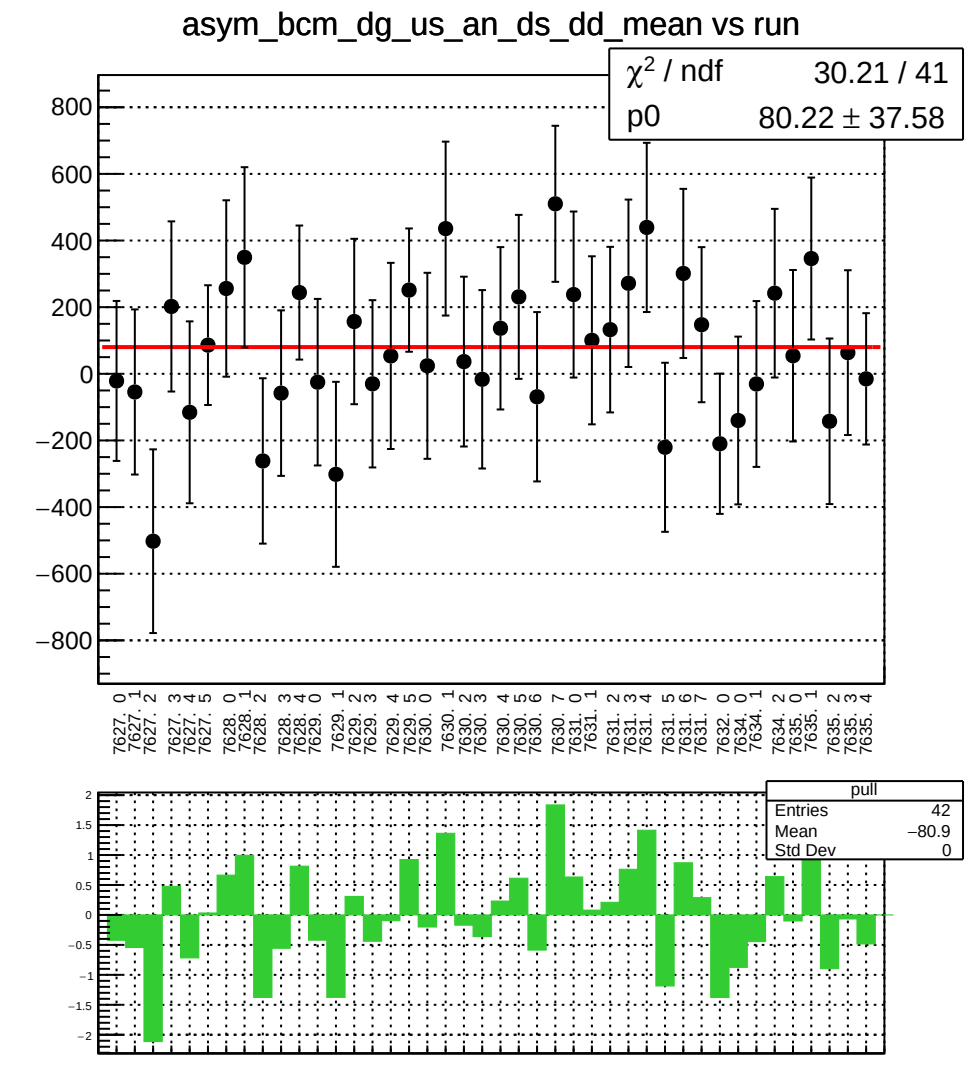

asym_bcm_dg_ds_an_us_dd_mean vs run
χ^2 / ndf 37.12 / 41
p0 18.87 ± 28.57
600
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 110.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01207
Std Dev 0.9401
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

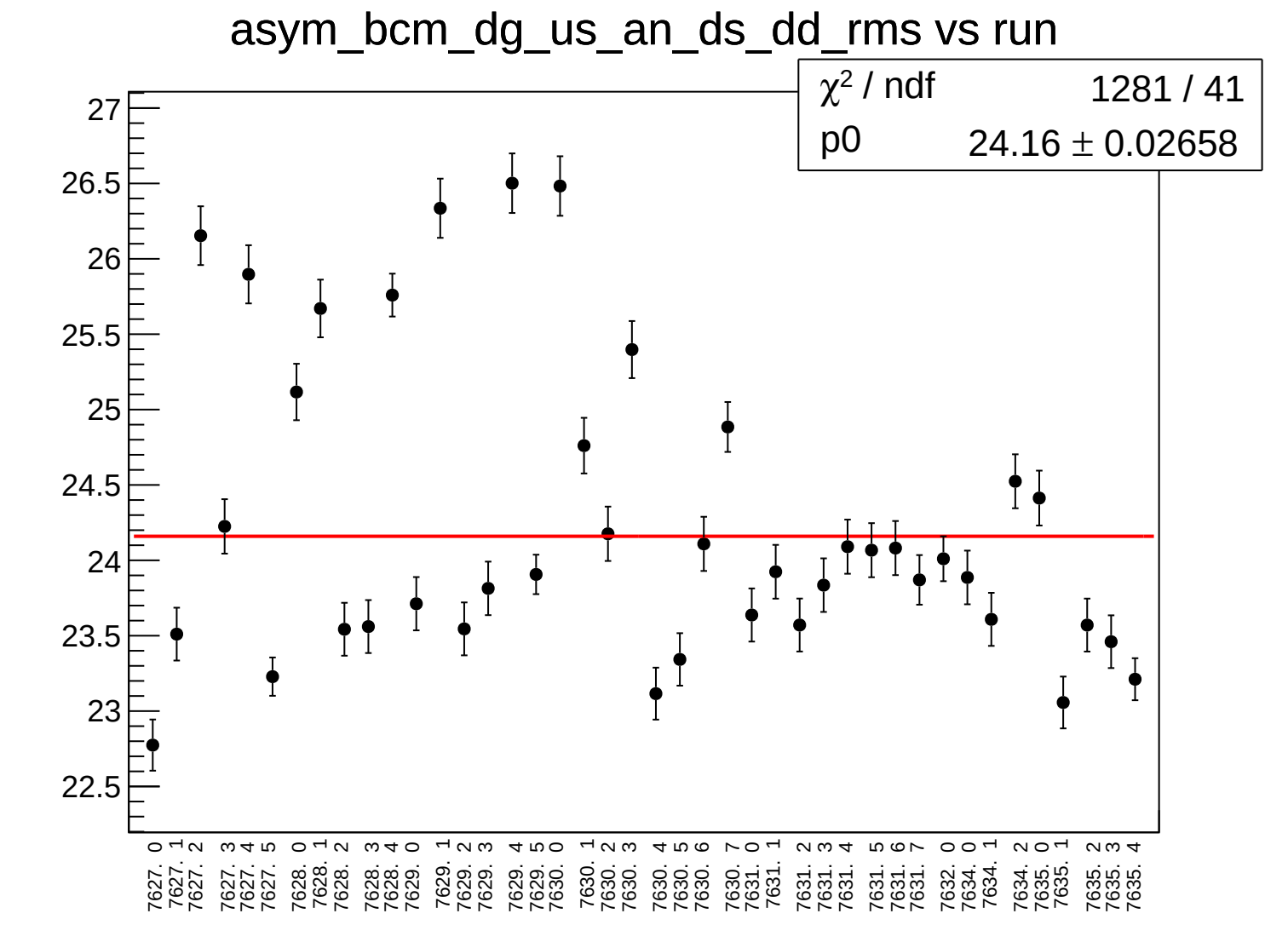

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 3254 / 41
p0 18.35 ± 0.0202
22
21
20
19
18
17
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

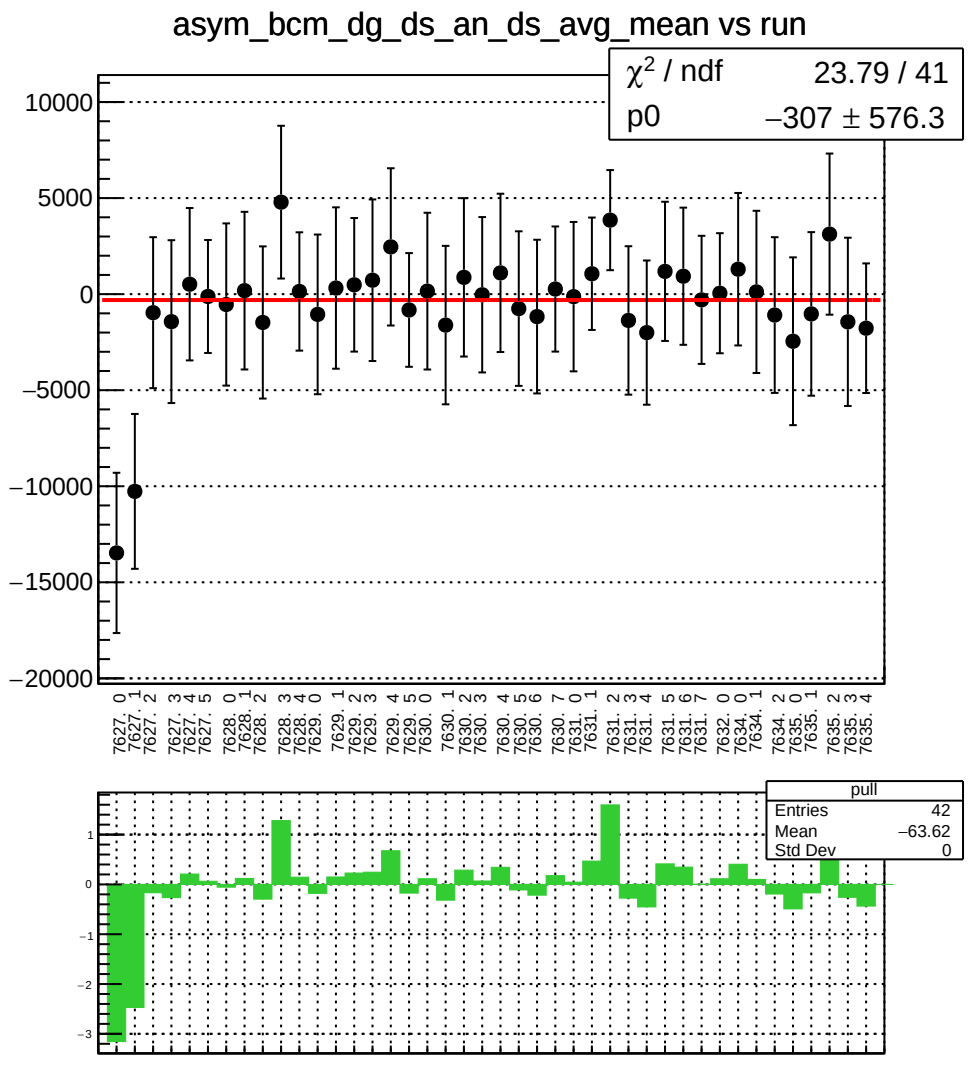

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 23.86 / 41
p0 −271.2 ± 576.9
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −60.14
Std Dev 0
1
0
−1
−2
−3

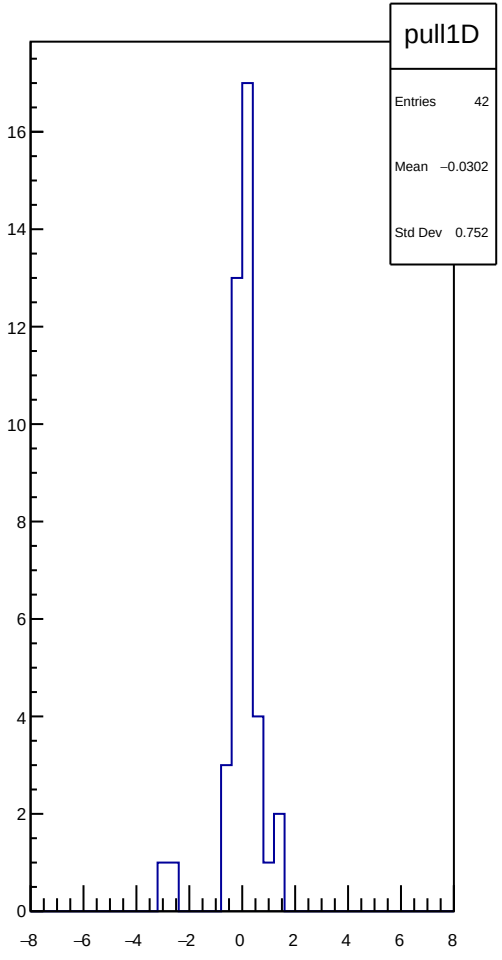

pull1D
Entries 42
Mean −0.0322
Std Dev 0.7531
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

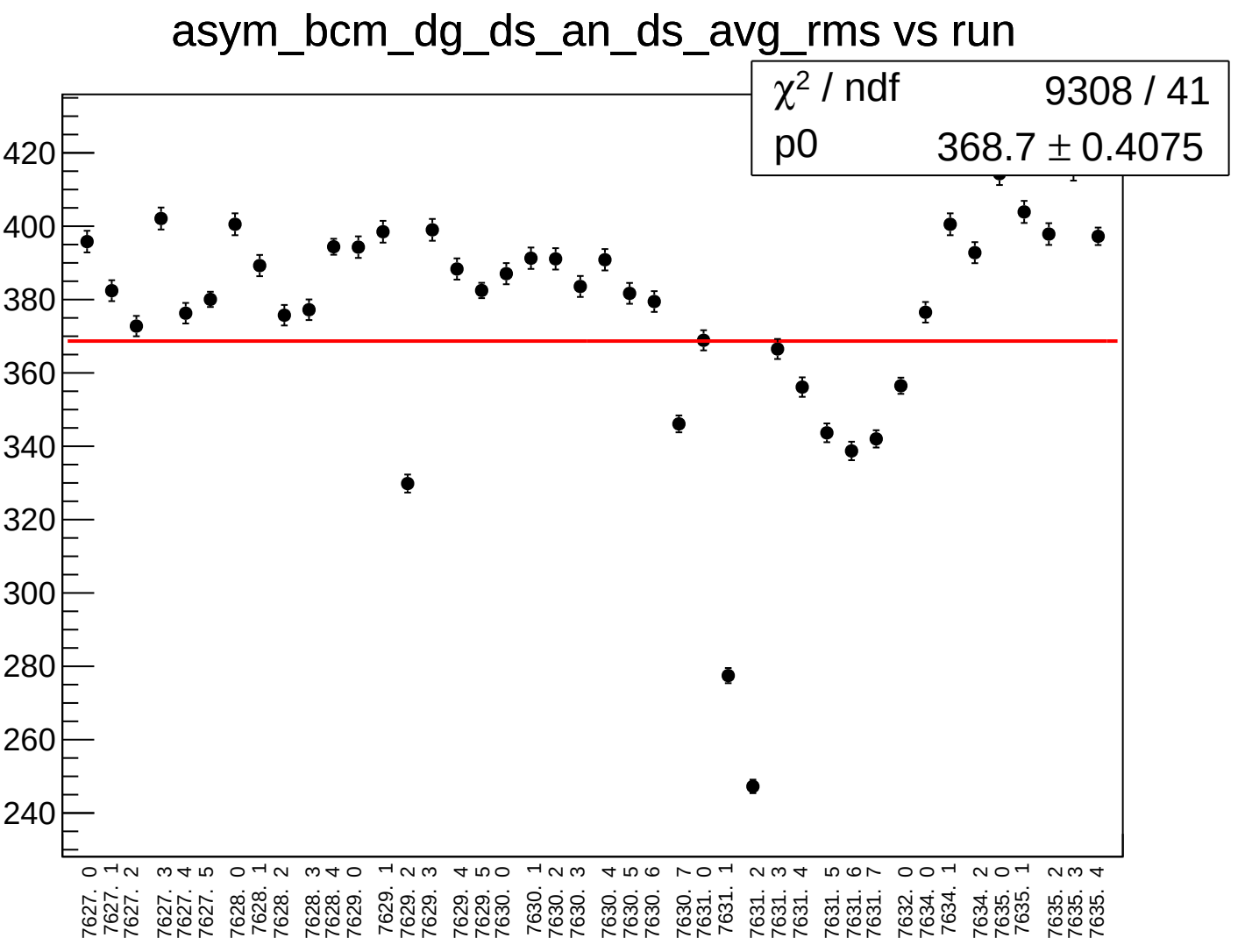

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 9936 / 41
p0 368.9 ± 0.4079
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

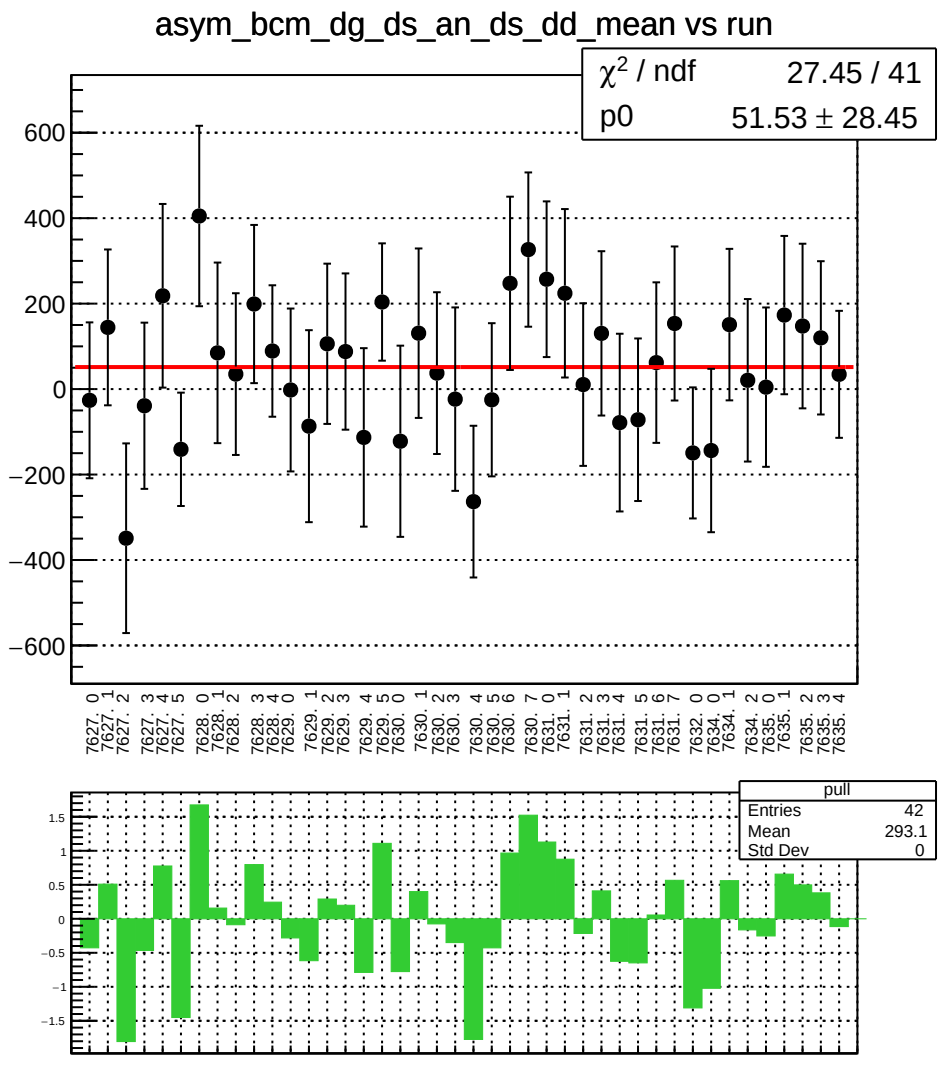

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 30.21 / 41
p0 80.22 ± 37.58
pull
Entries 42
Mean −80.9
Std Dev 0
pull1D
Entries 42
Mean −0.0134
Std Dev 0.848

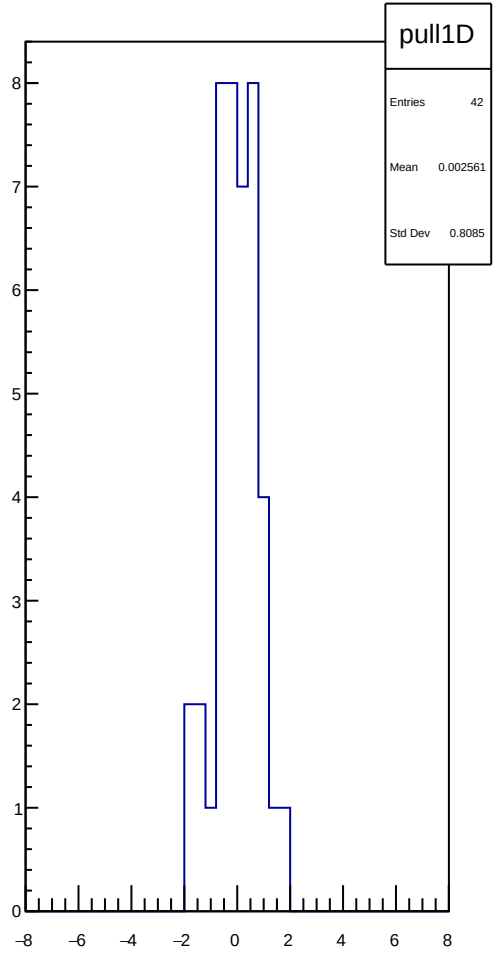

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 1281 / 41
p0 24.16 ± 0.02658
27
26.5
26
25.5
25
24.5
24
23.5
23
22.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

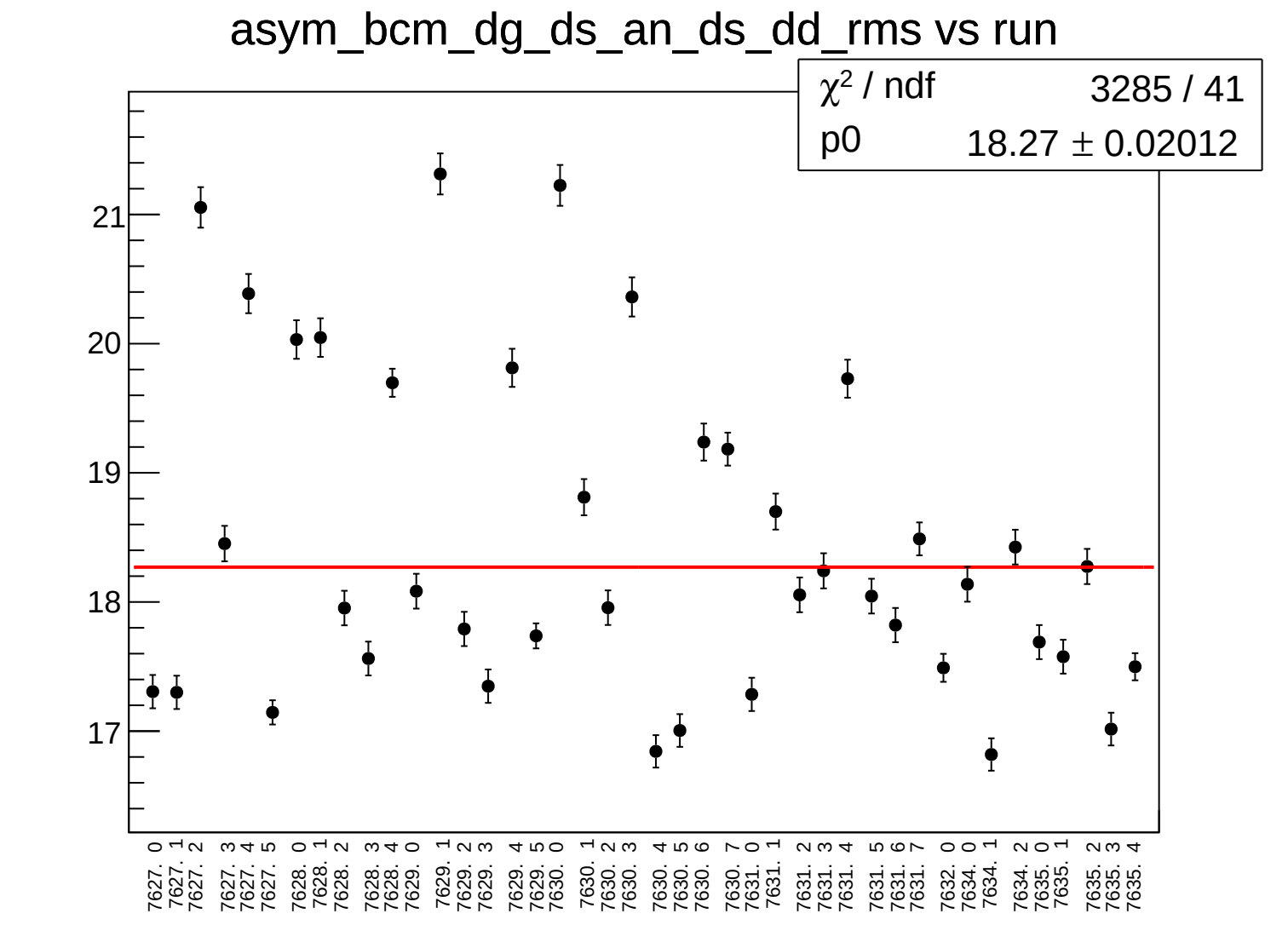

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 23.79 / 41
p0 −307 ± 576.3
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −63.62
Std Dev 0
1
0
−1
−2
−3

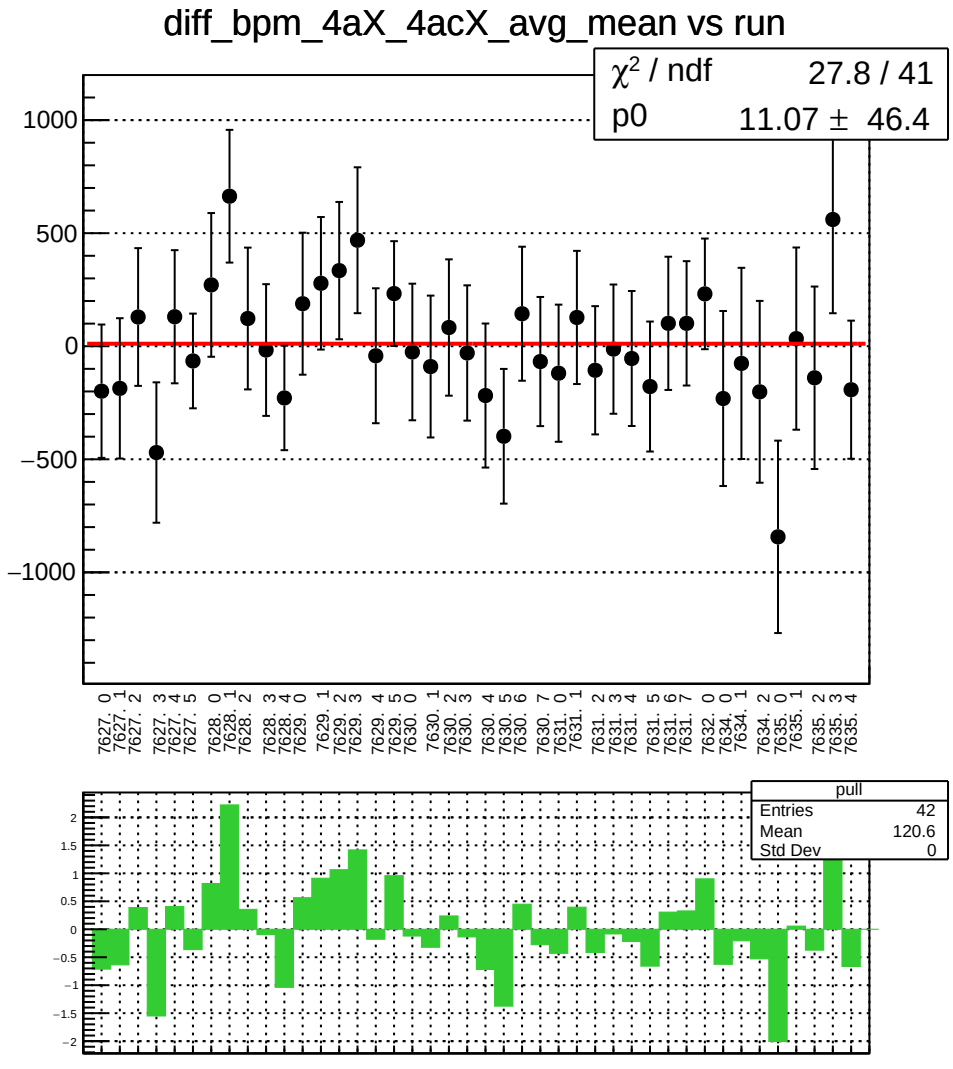

pull1D
Entries 42
Mean −0.0302
Std Dev 0.752
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

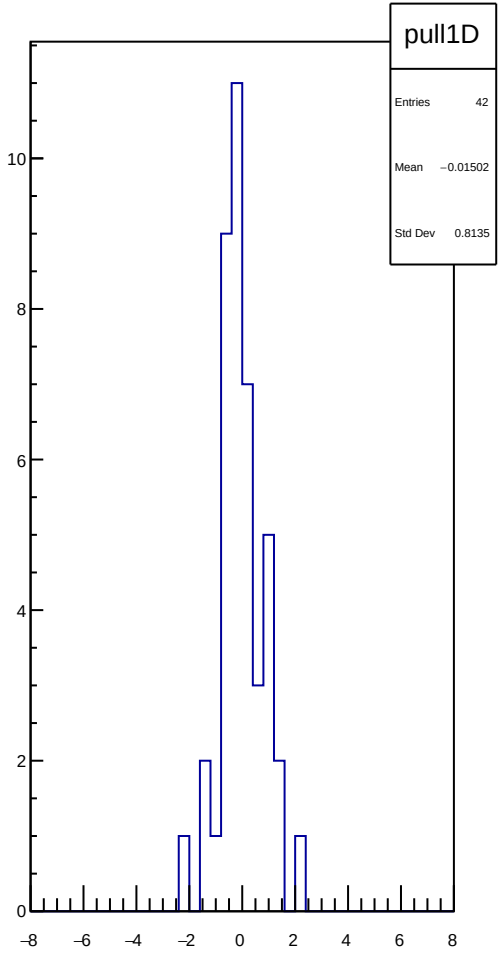

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 9308 / 41
p0 368.7 ± 0.4075
420
400
380
360
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

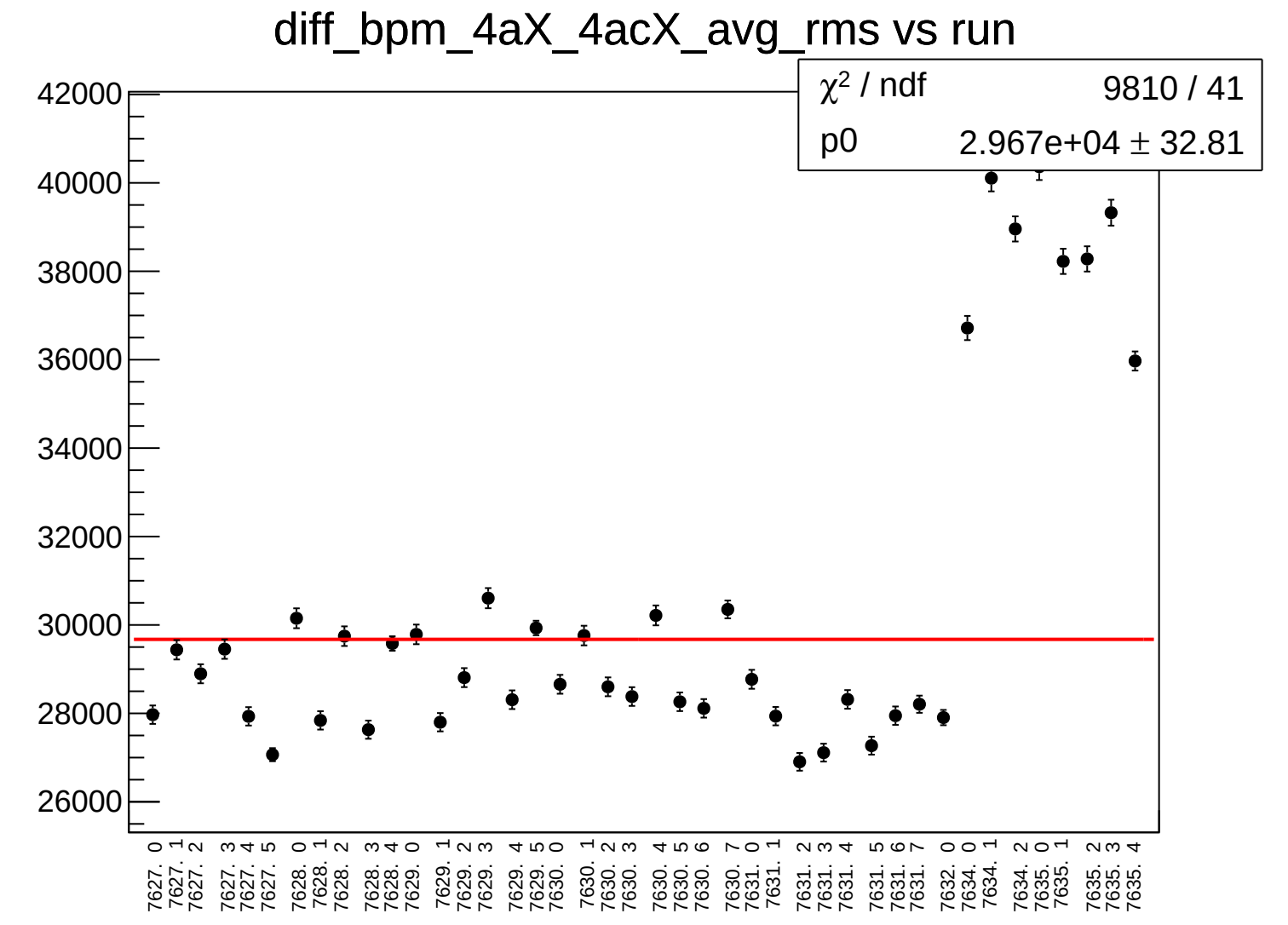

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 27.45 / 41
p0 51.53 ± 28.45
600
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 293.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

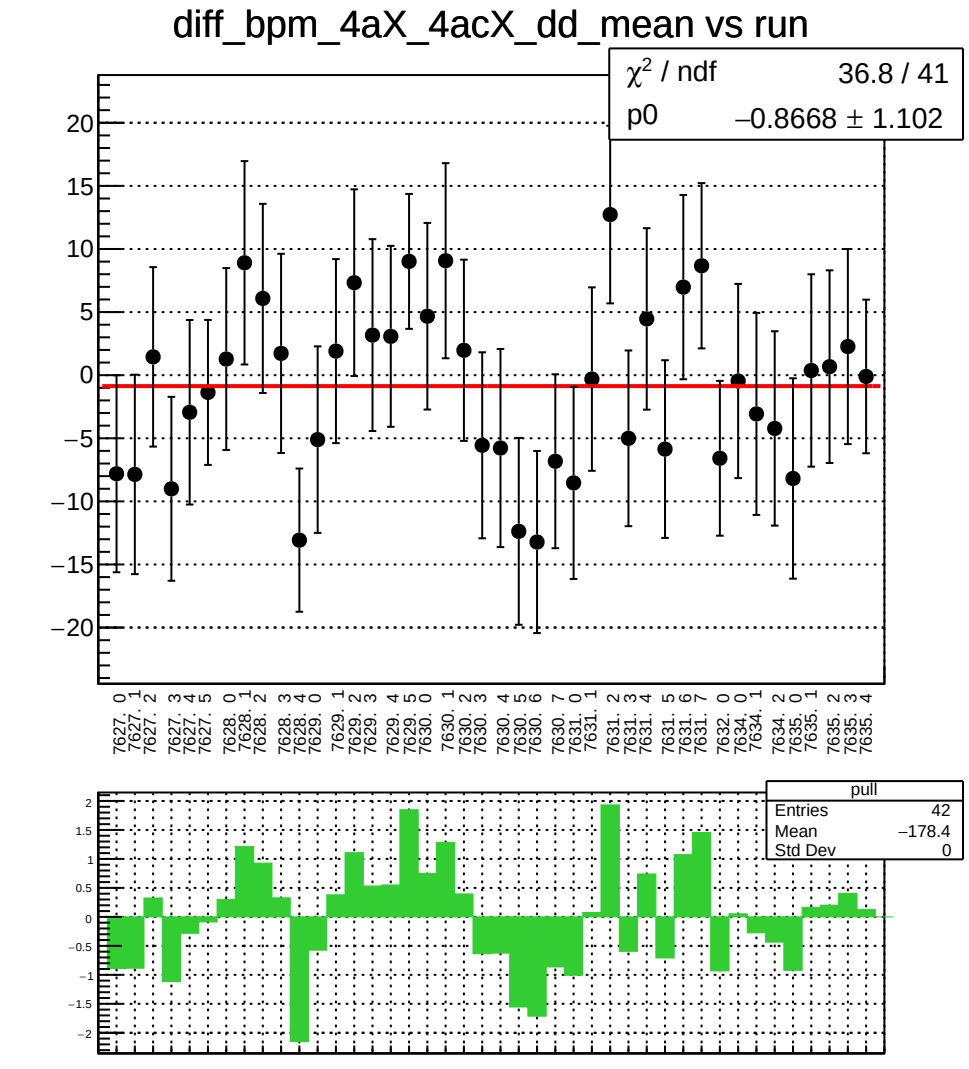

pull1D
Entries 42
Mean 0.002561
Std Dev 0.8085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

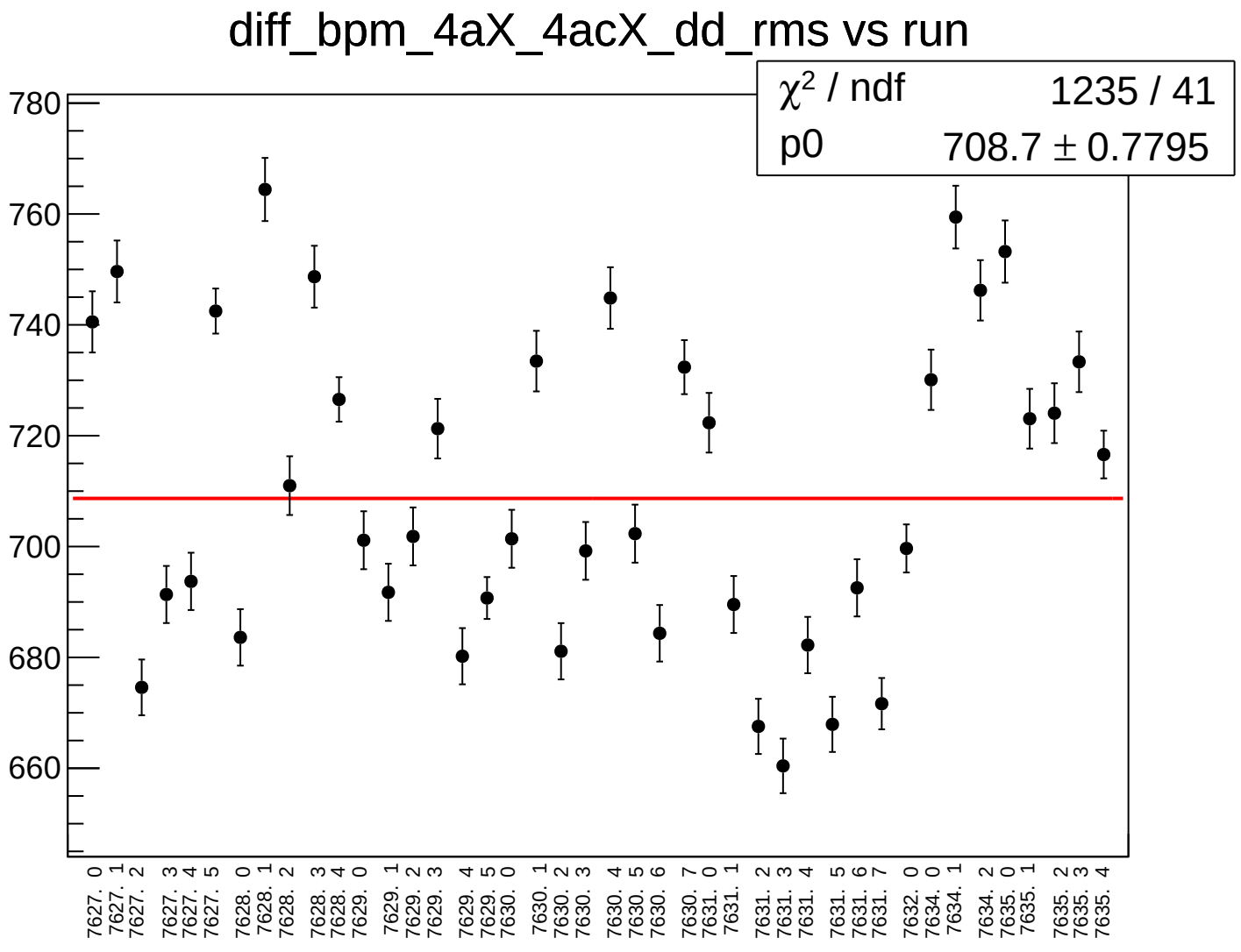

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 3285 / 41
p0 18.27 ± 0.02012
21
20
19
18
17
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

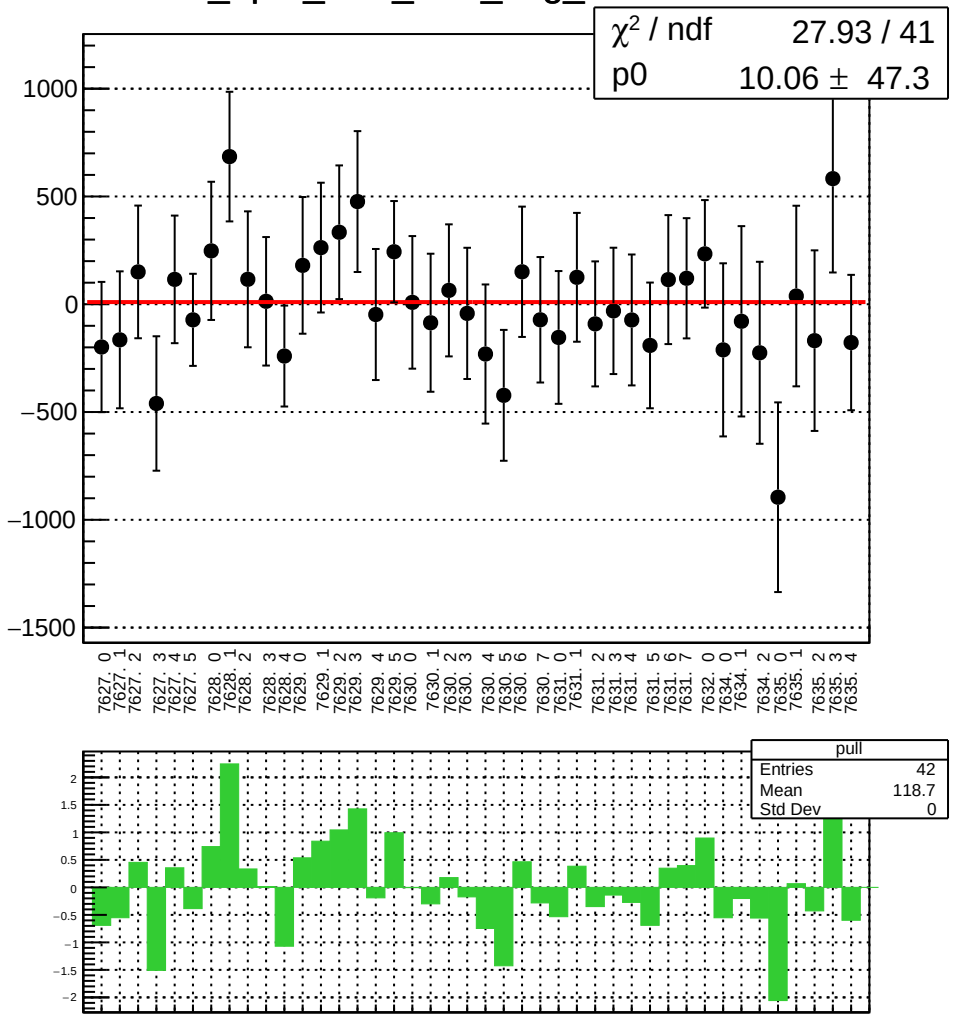

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 27.8 / 41
p0 11.07 ± 46.4
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 120.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

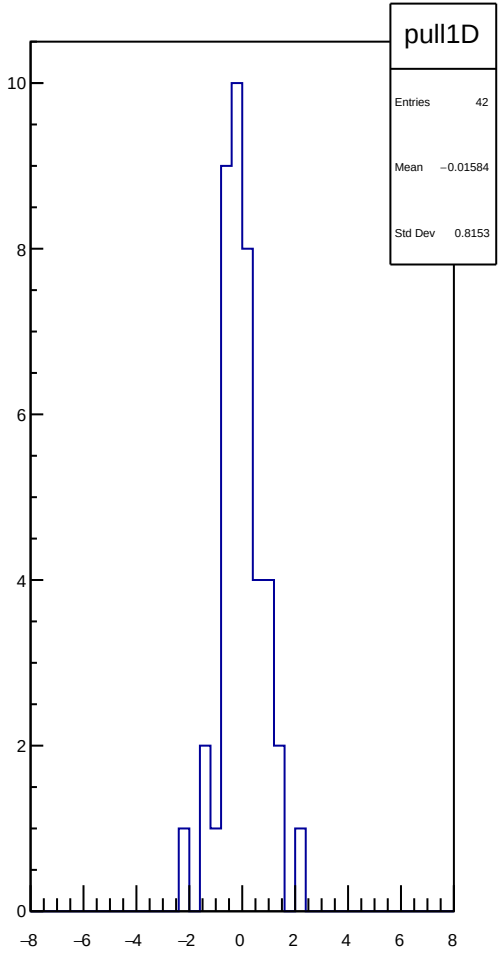

pull1D
Entries 42
Mean −0.01502
Std Dev 0.8135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

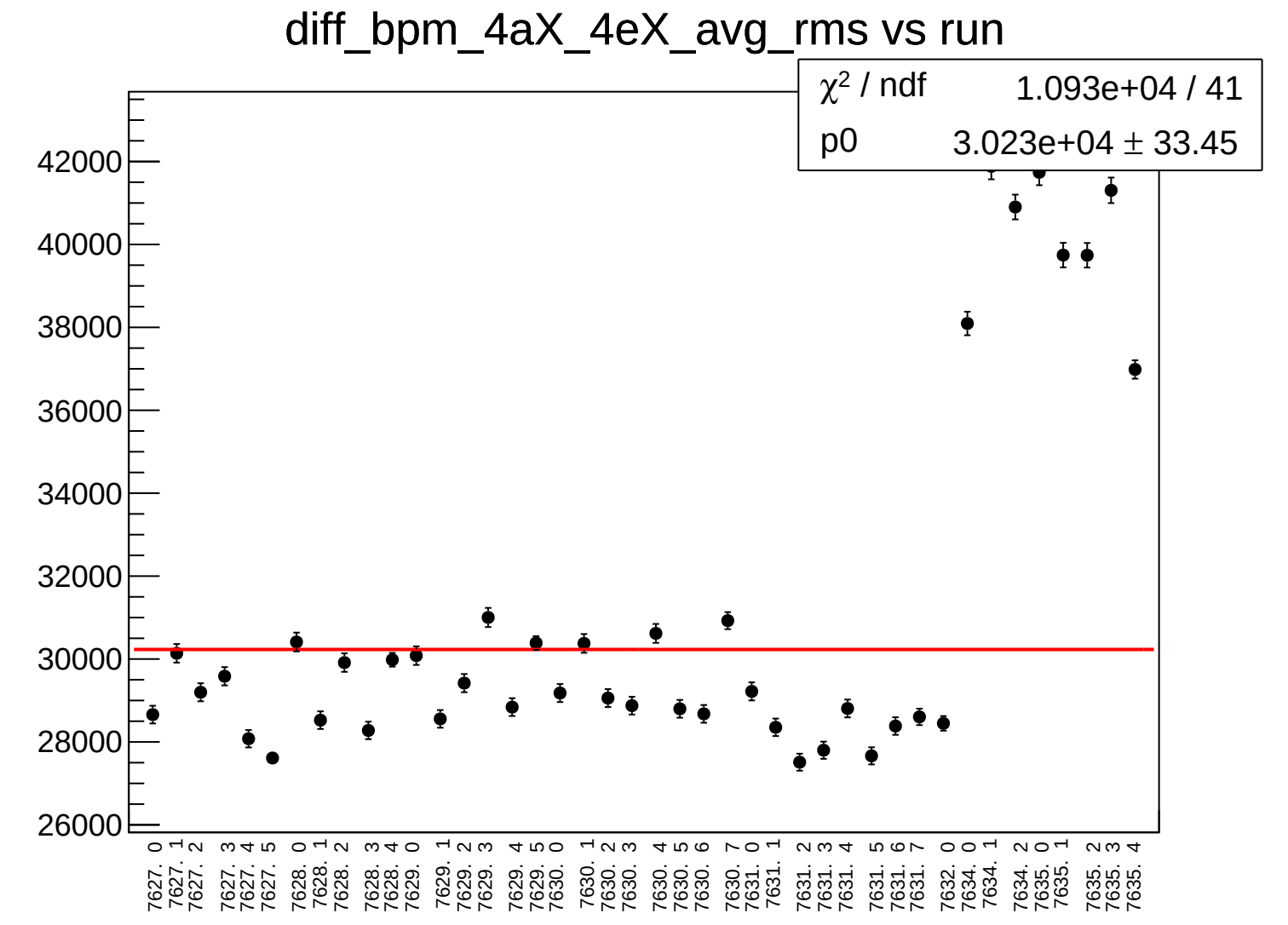

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 9810 / 41
p0 2.967e+04 ± 32.81
42000
40000
38000
36000
34000
32000
30000
28000
26000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

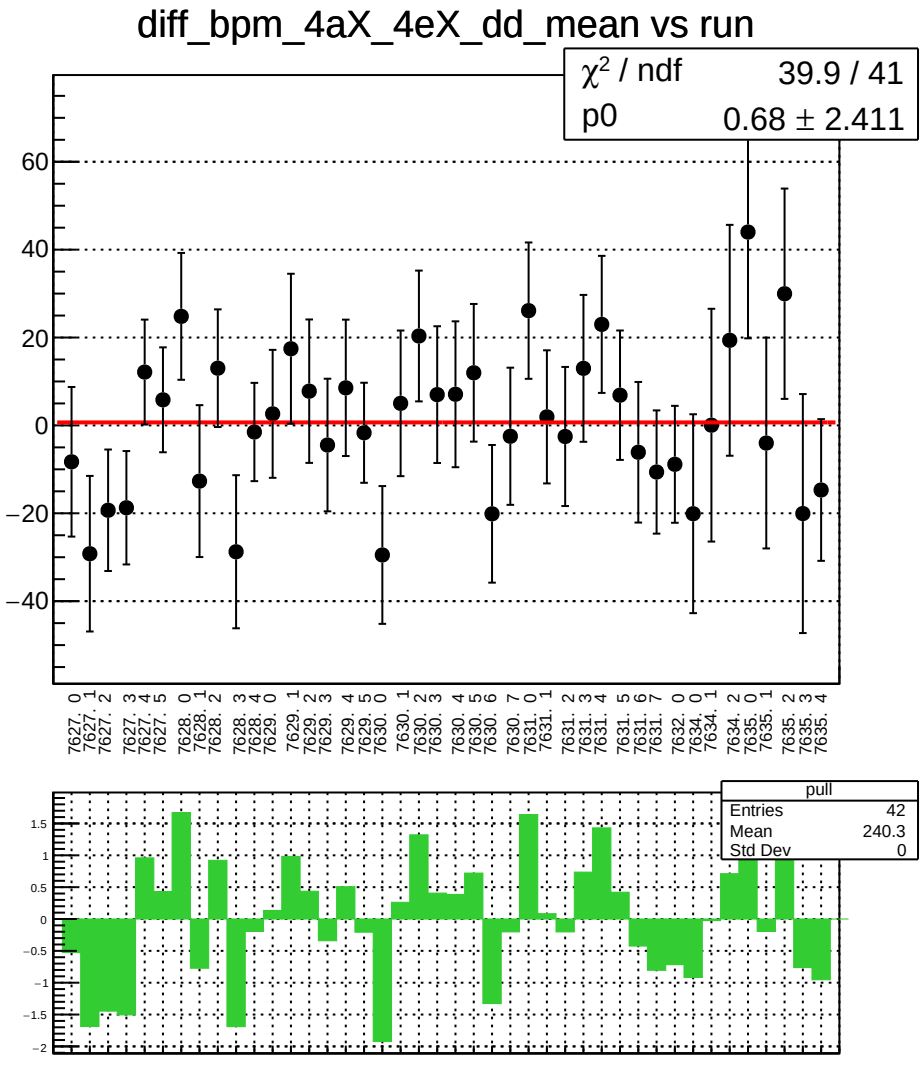

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 36.8 / 41
p0 −0.8668 ± 1.102
pull
Entries 42
Mean −178.4
Std Dev 0
pull1D
Entries 42
Mean −0.001955
Std Dev 0.9361

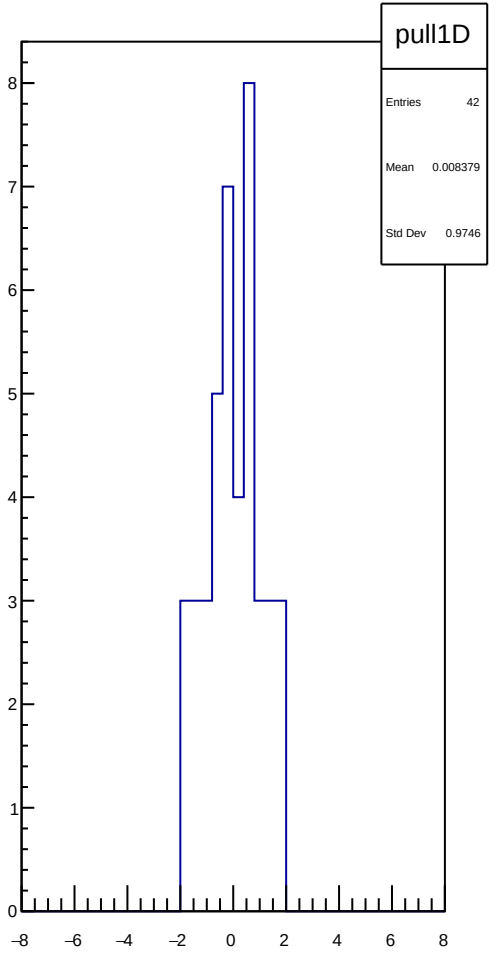

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 1235 / 41
p0 708.7 ± 0.7795
780
760
740
720
700
680
660
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

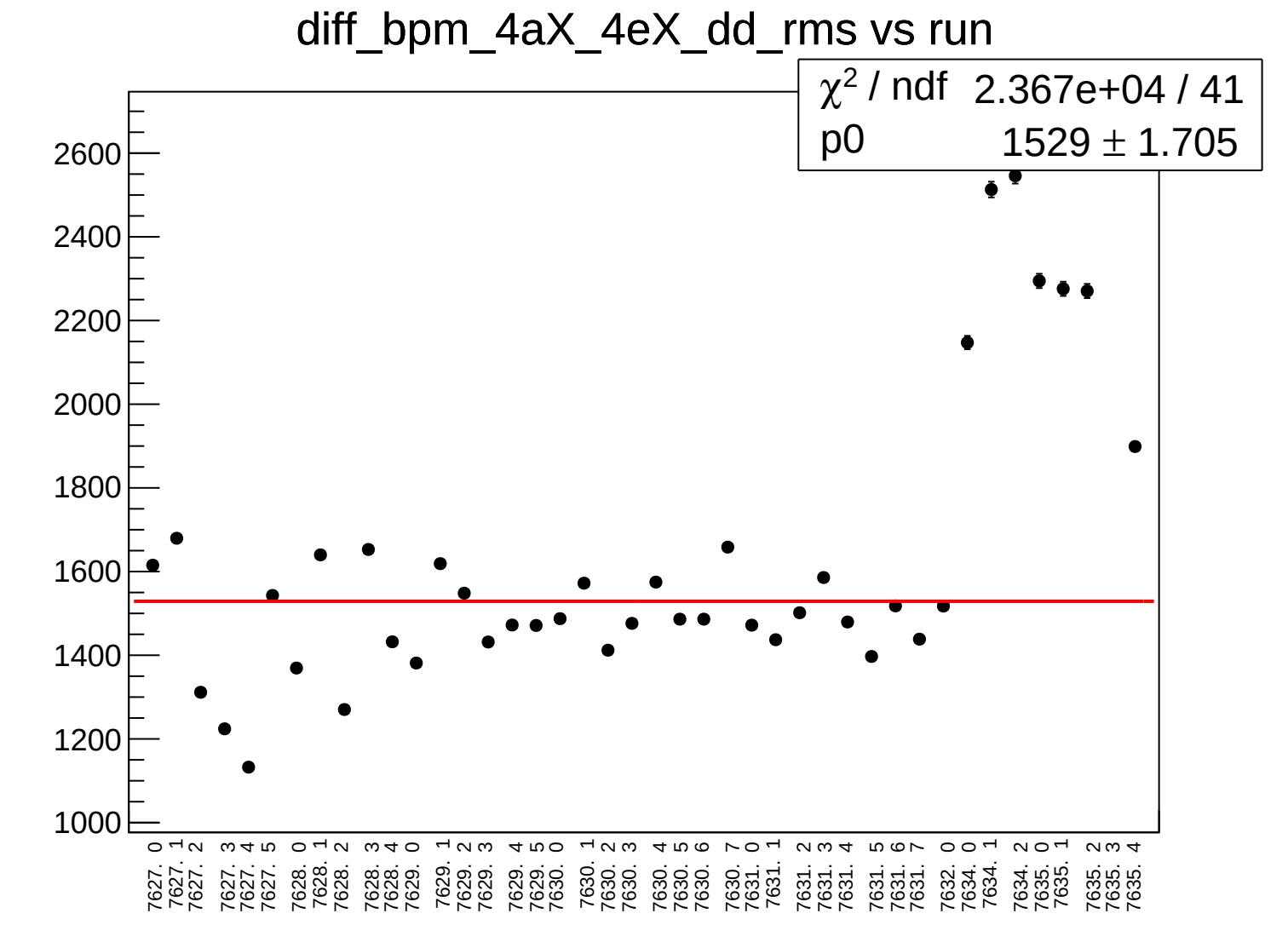

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 27.93 / 41
p0 10.06 ± 47.3
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 118.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

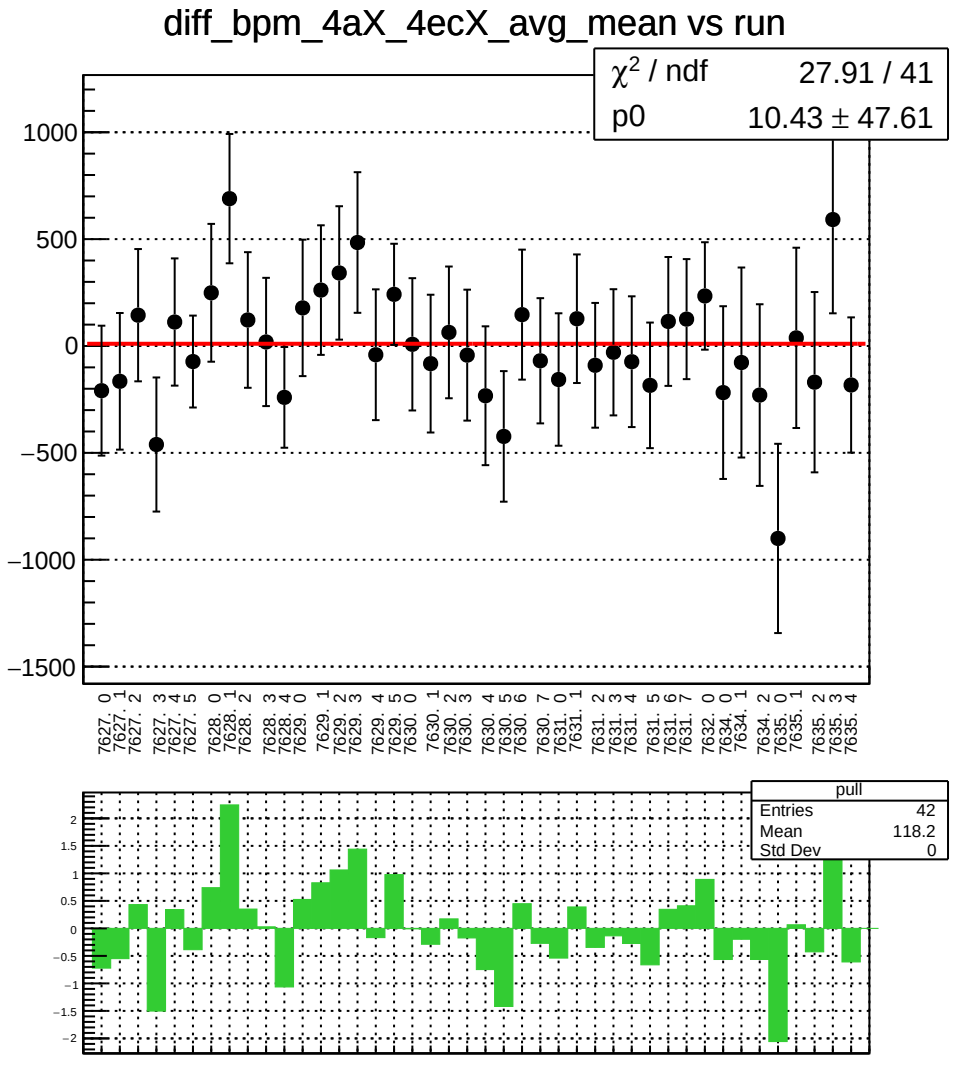

pull1D
Entries 42
Mean −0.01584
Std Dev 0.8153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

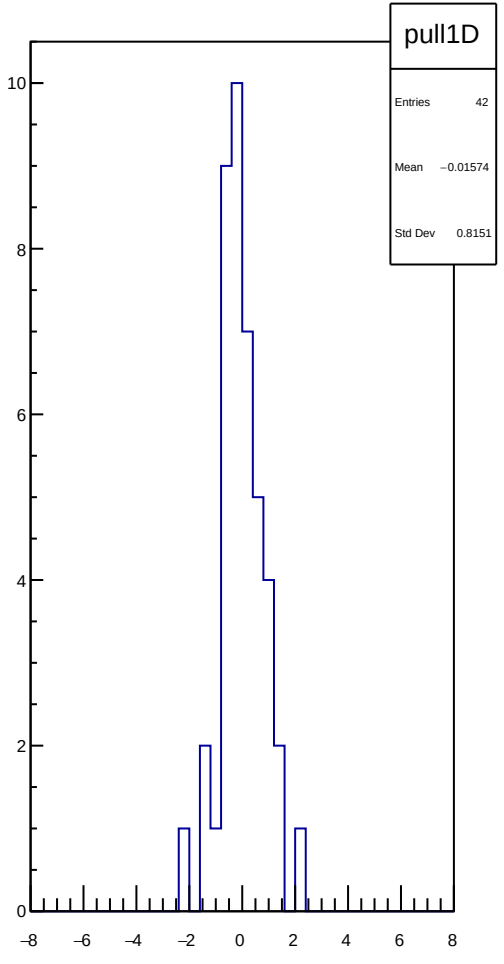

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 1.093e+04 / 41
p0 3.023e+04 ± 33.45
42000
40000
38000
36000
34000
32000
30000
28000
26000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

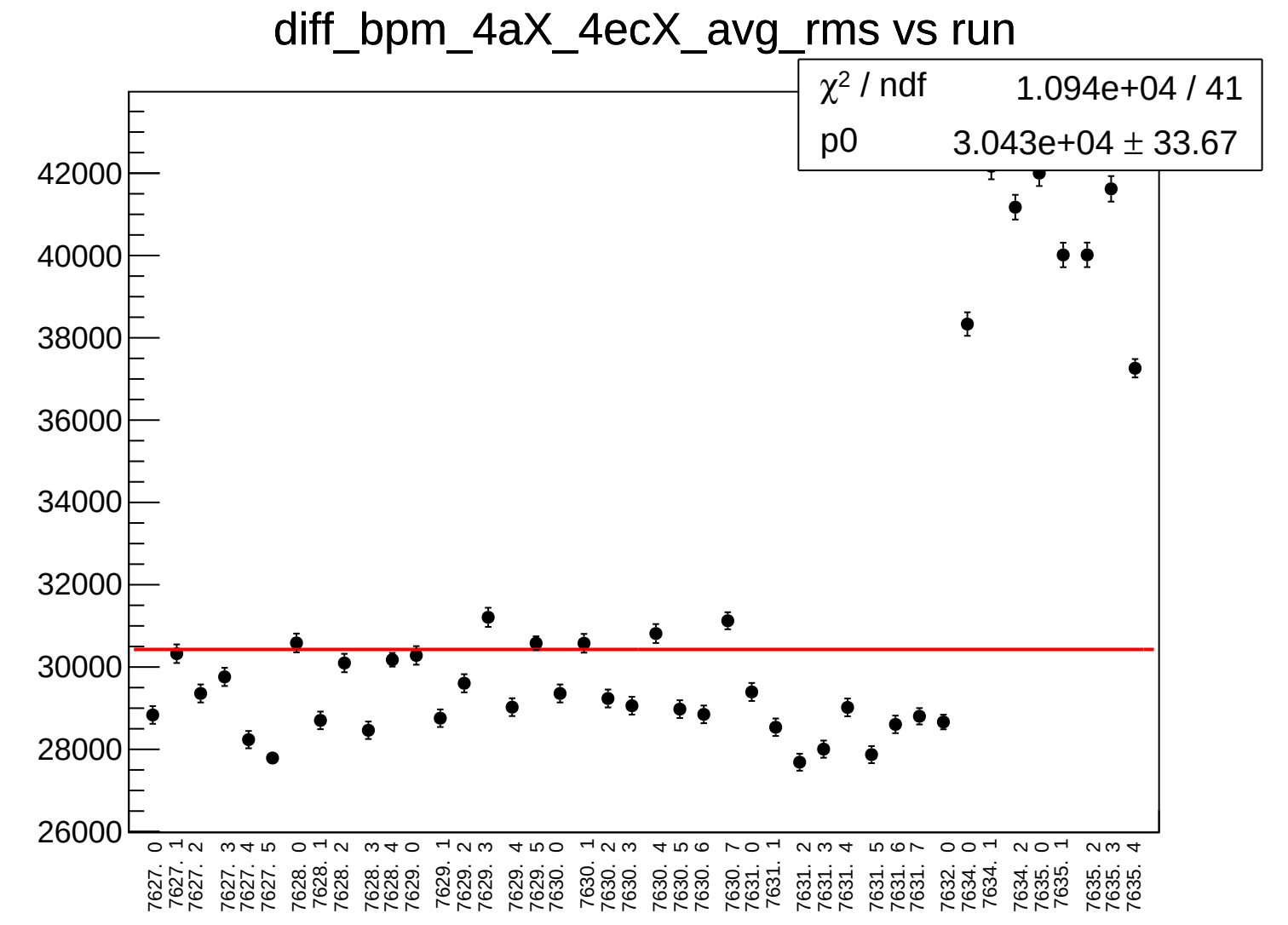

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 39.9 / 41
p0 0.68 ± 2.411
60
40
20
0
−20
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 240.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

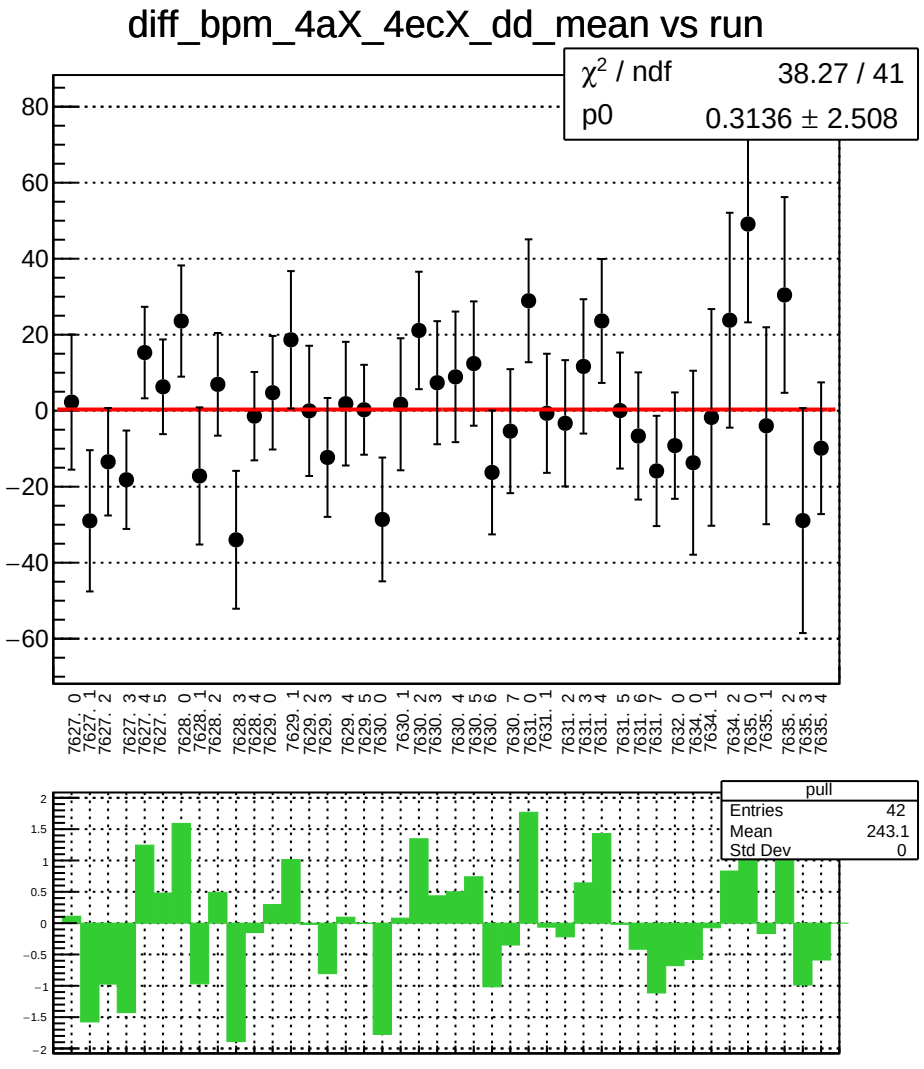

pull1D
Entries 42
Mean 0.008379
Std Dev 0.9746
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

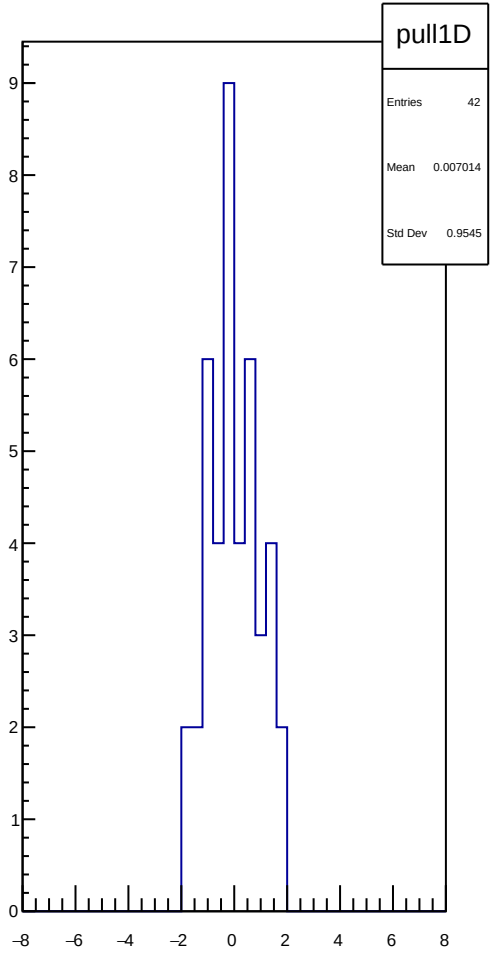

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2.367e+04 / 41
p0 1529 ± 1.705
2600
2400
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

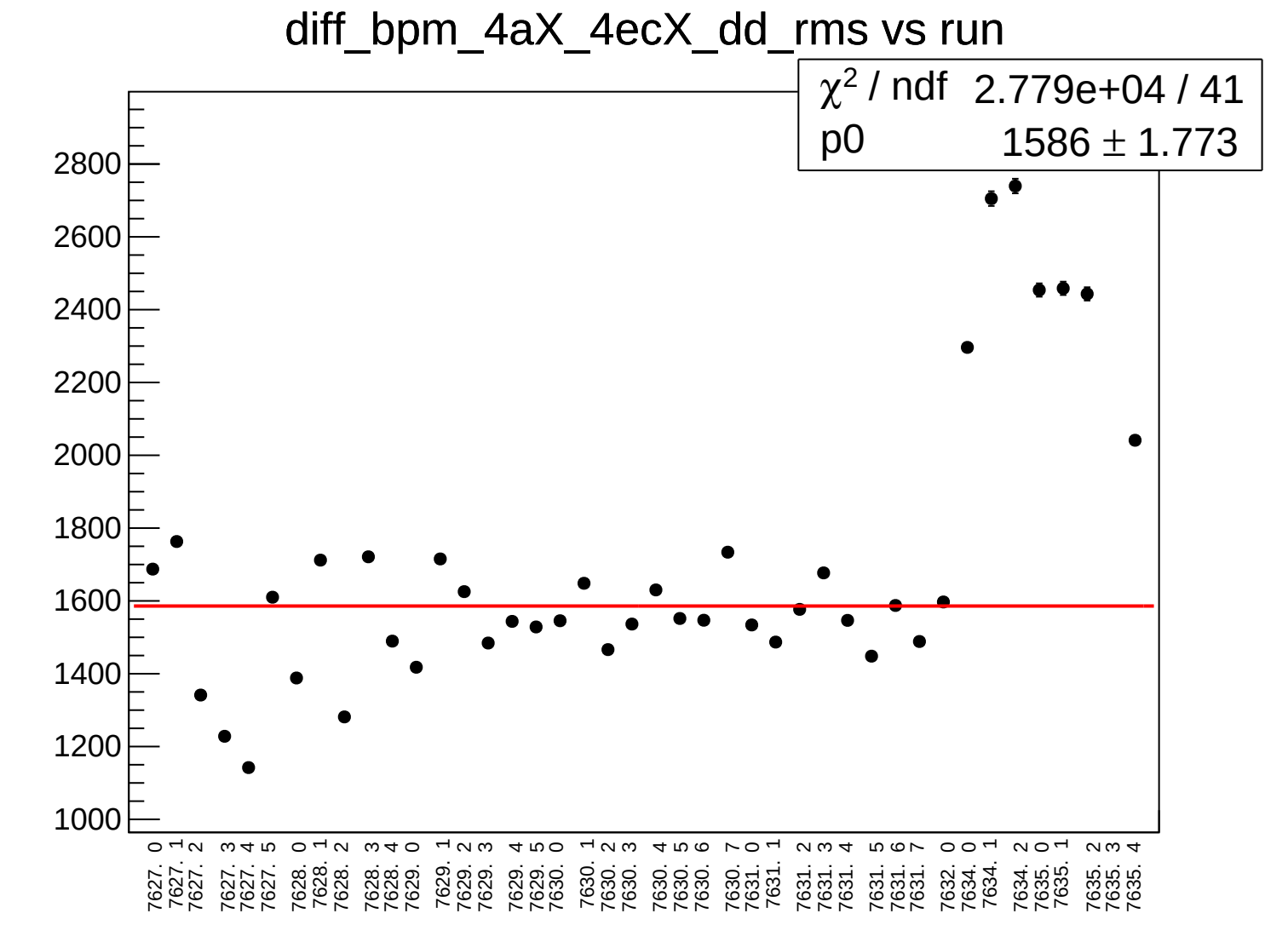

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 27.91 / 41
p0 10.43 ± 47.61
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 118.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

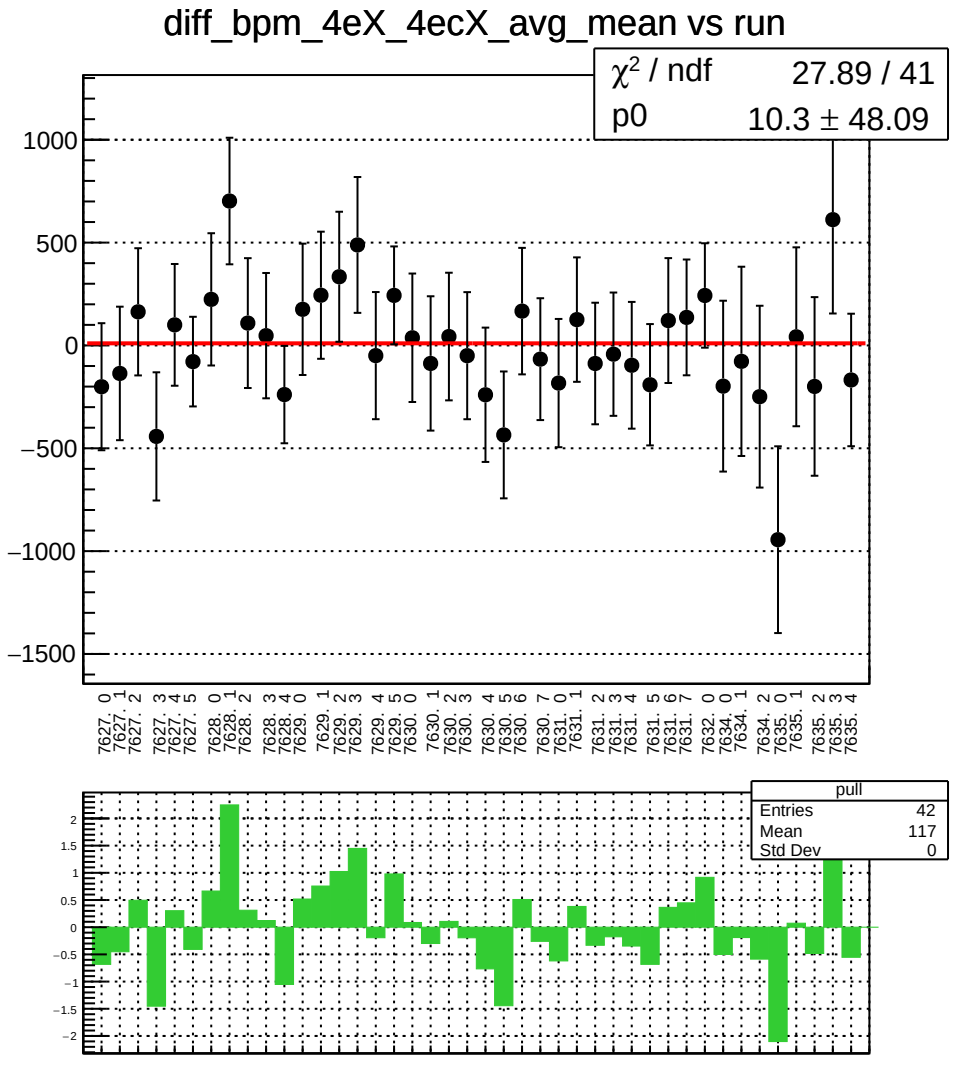

pull1D
Entries 42
Mean −0.01574
Std Dev 0.8151
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

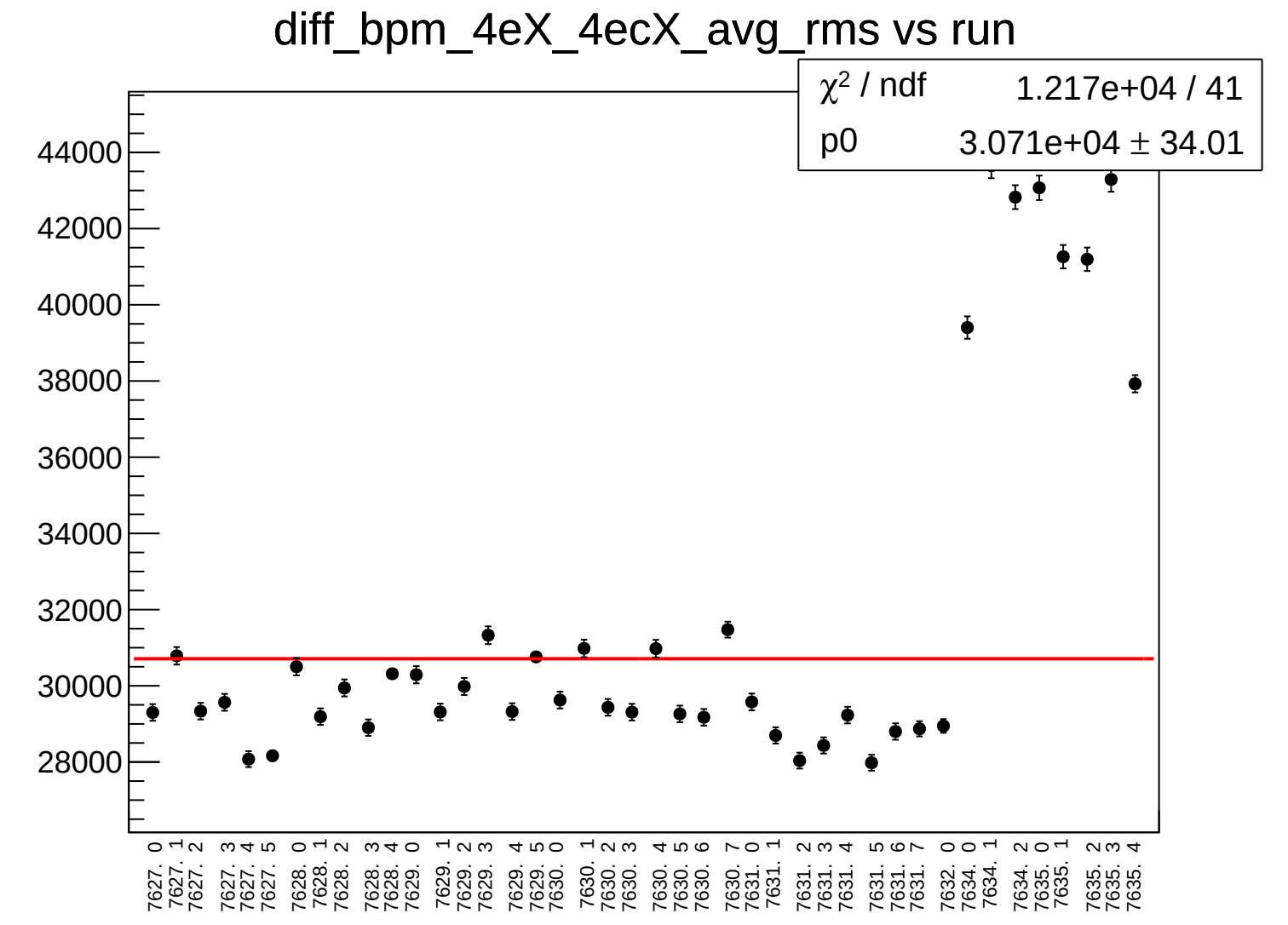

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 1.094e+04 / 41
p0 3.043e+04 ± 33.67
42000
40000
38000
36000
34000
32000
30000
28000
26000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

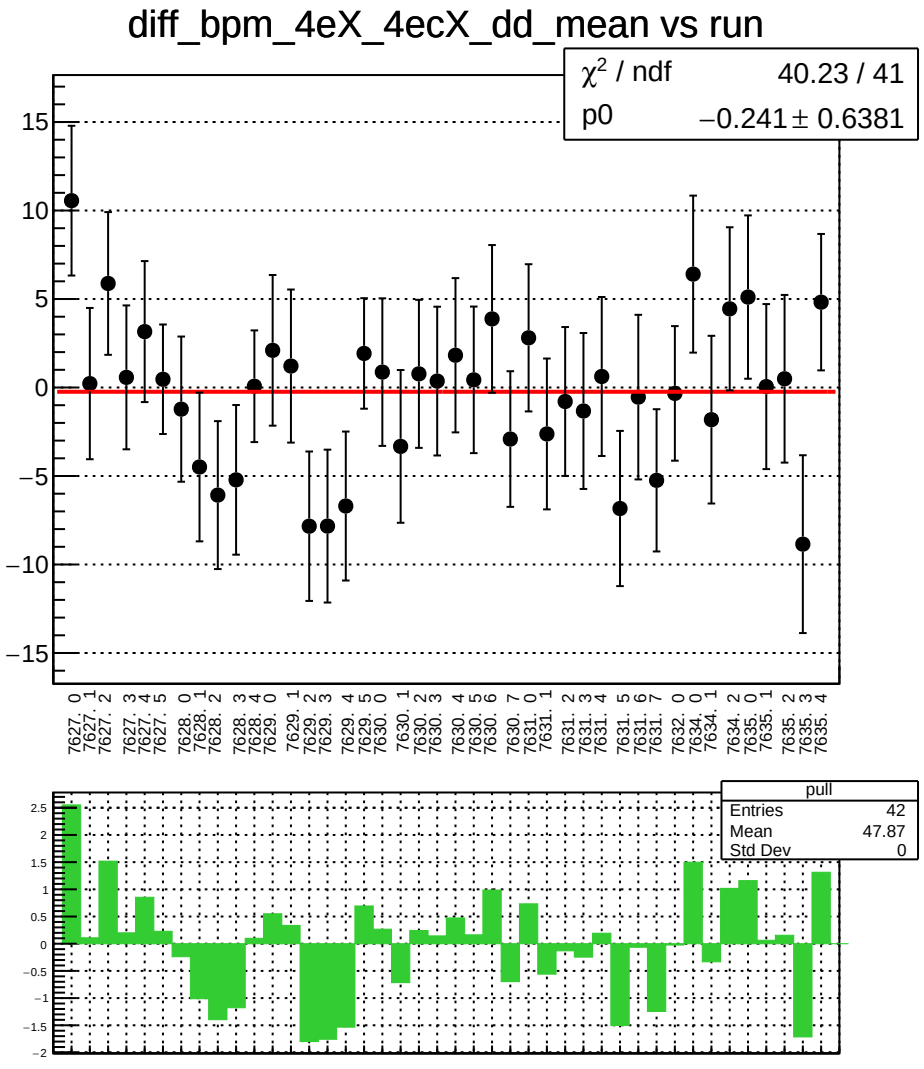

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 38.27 / 41
p0 0.3136 ± 2.508
pull
Entries 42
Mean 243.1
Std Dev 0

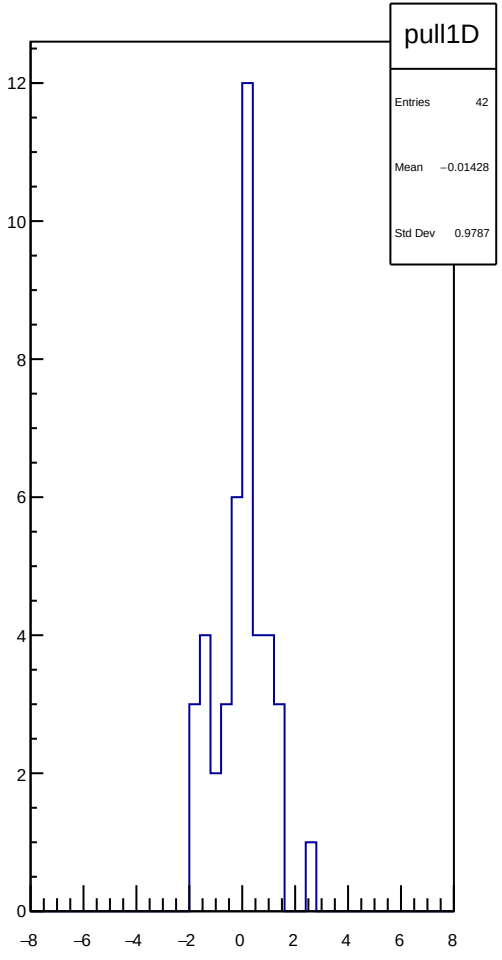

pull1D
Entries 42
Mean 0.007014
Std Dev 0.9545

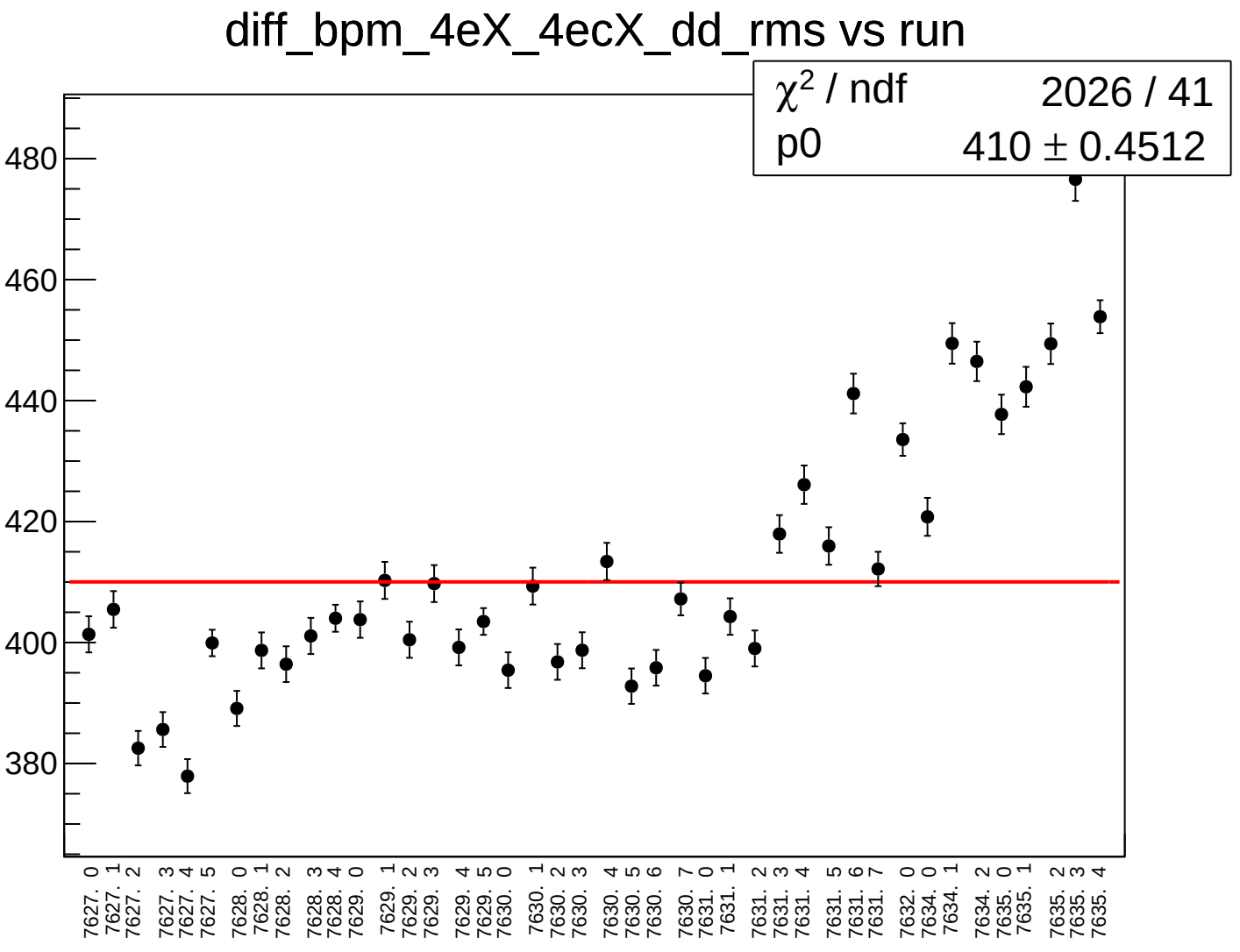

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 2.779e+04 / 41
p0 1586 ± 1.773
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

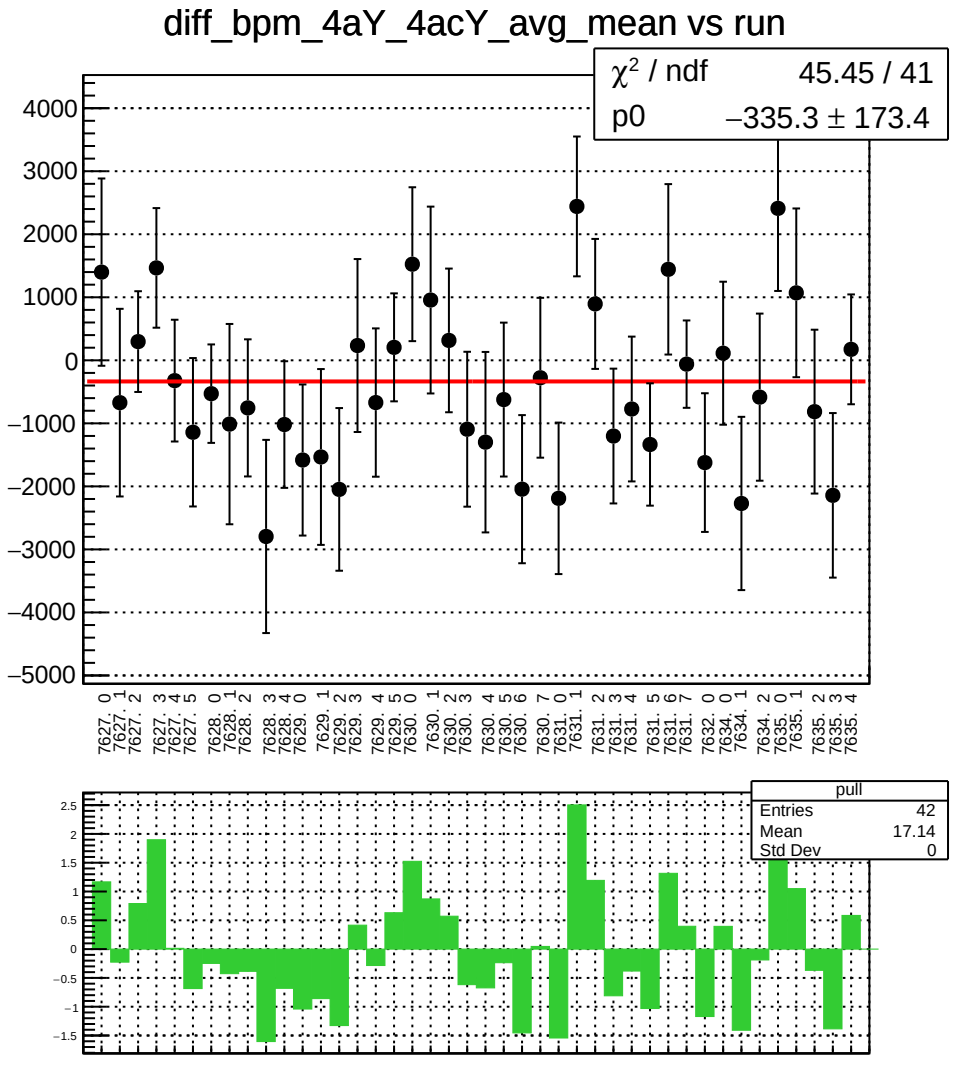

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 27.89 / 41
p0 10.3 ± 48.09
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01668
Std Dev 0.8148
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

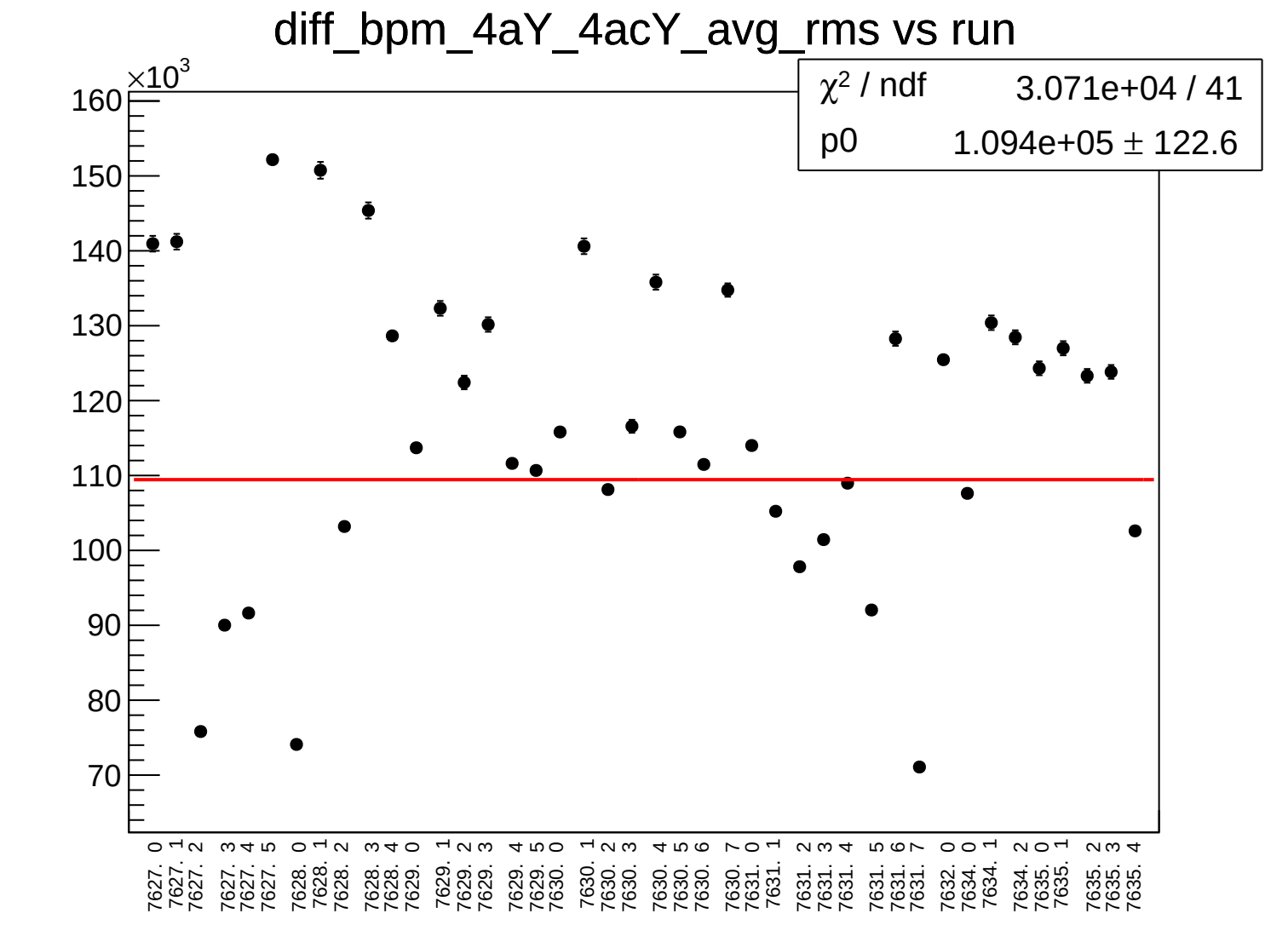

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 1.217e+04 / 41
p0 3.071e+04 ± 34.01
44000
42000
40000
38000
36000
34000
32000
30000
28000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

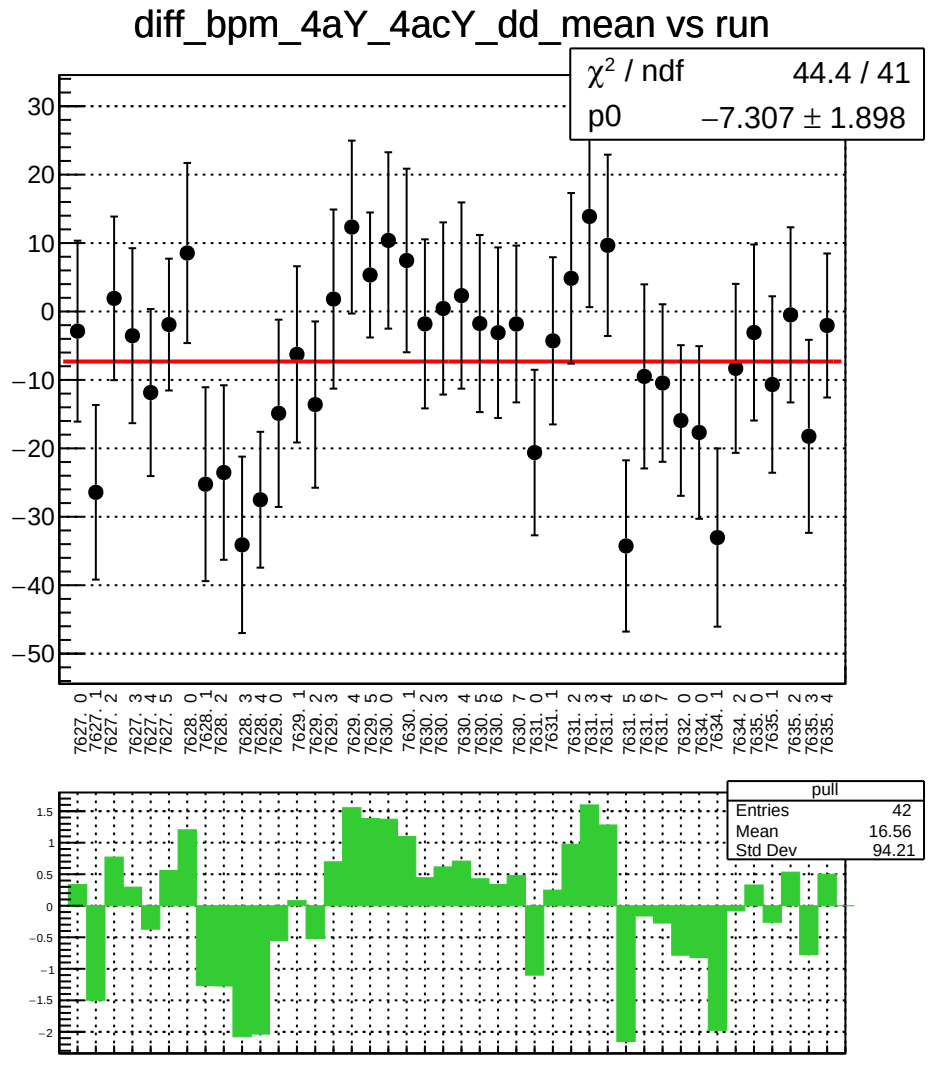

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 40.23 / 41
p0 −0.241 ± 0.6381
15
10
5
0
−5
−10
−15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 47.87
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

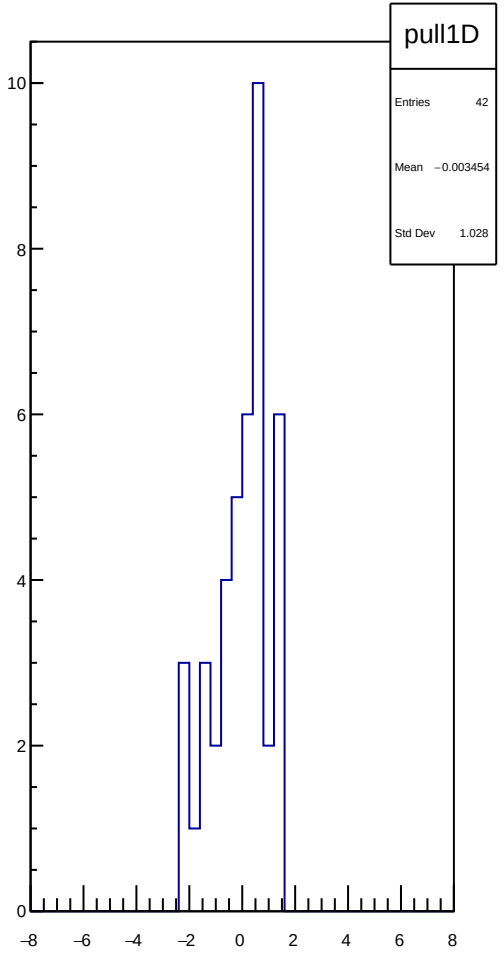

pull1D
Entries 42
Mean −0.01428
Std Dev 0.9787
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

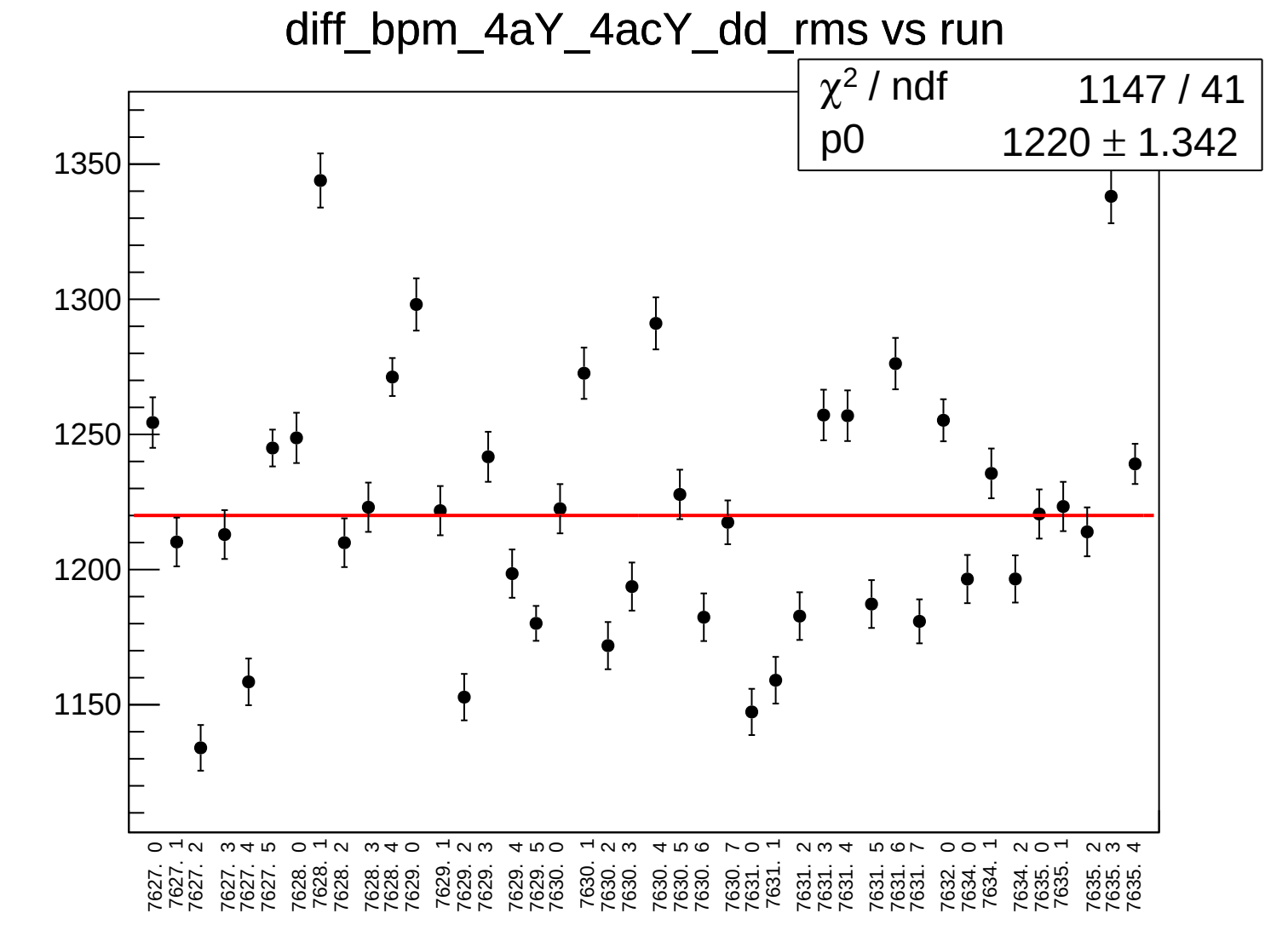

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 2026 / 41
p0 410 ± 0.4512
480
460
440
420
400
380
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

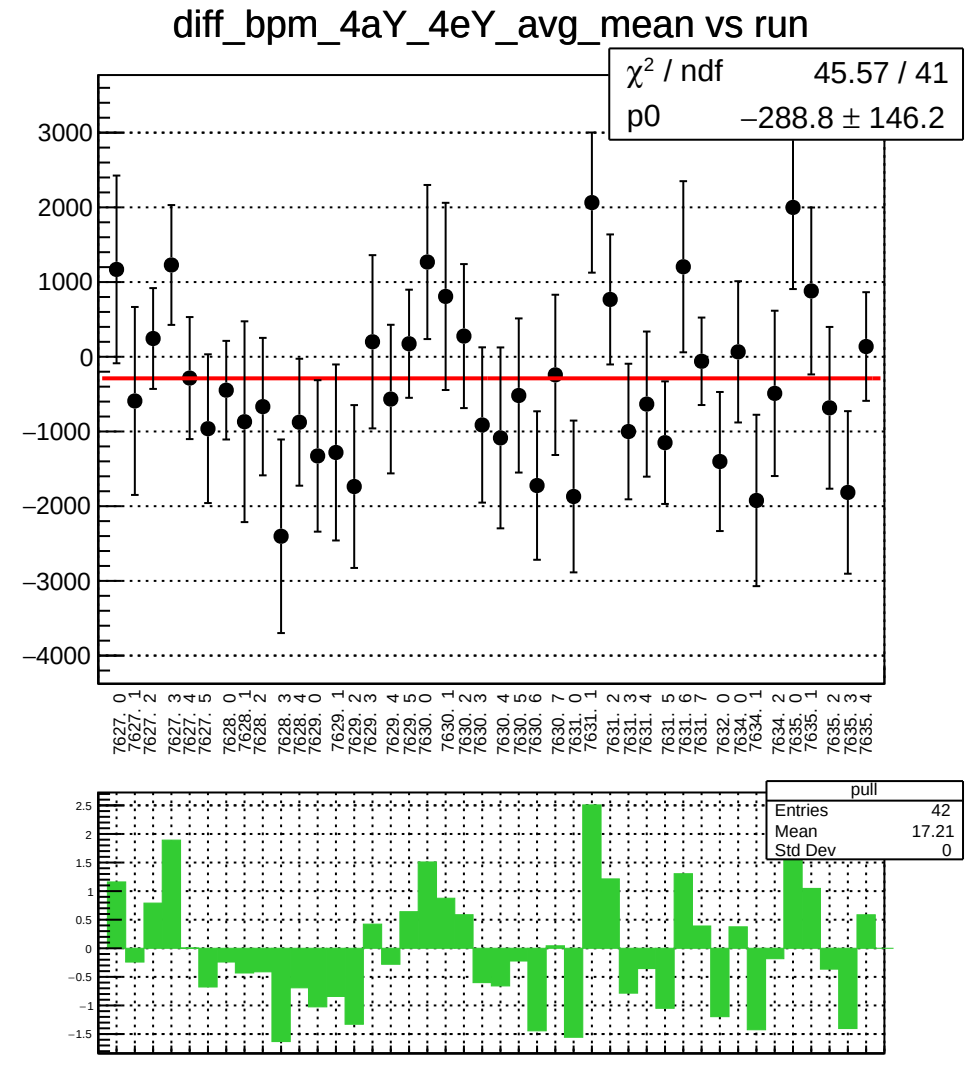

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 45.45 / 41
p0 −335.3 ± 173.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.14
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03734
Std Dev 1.04
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

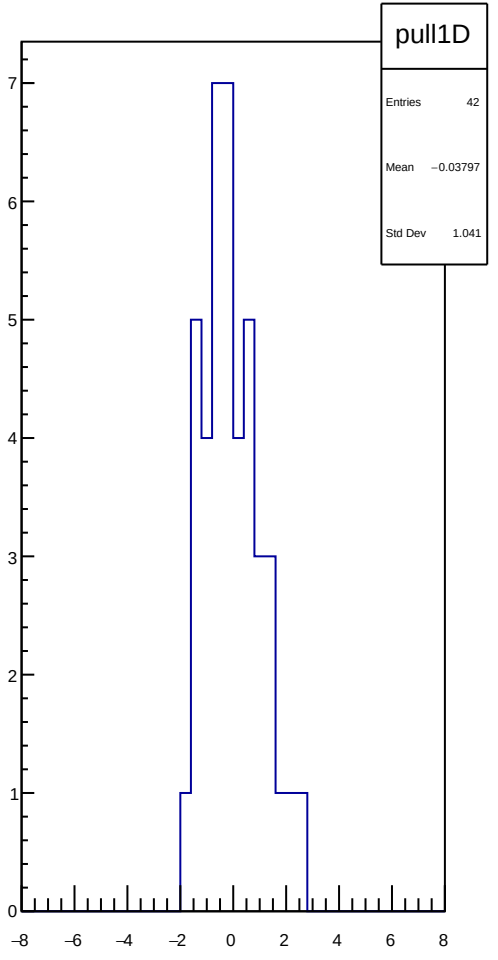

diff_bpm_4aY_4acY_avg_rms vs run
×10^3
χ² / ndf 3.071e+04 / 41
p0 1.094e+05 ± 122.6
160
150
140
130
120
110
100
90
80
70
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

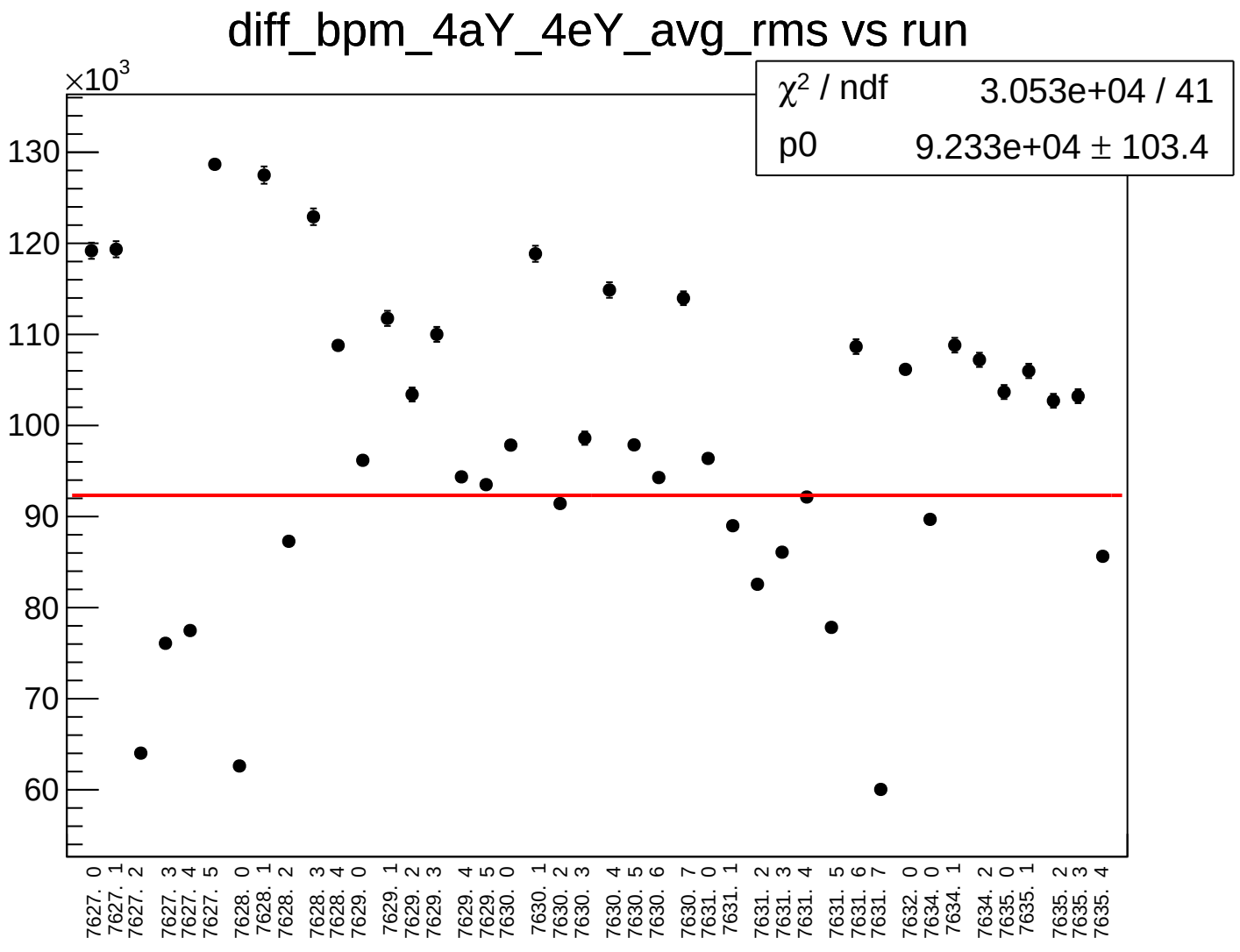

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 44.4 / 41
p0 −7.307 ± 1.898
pull
Entries 42
Mean 16.56
Std Dev 94.21

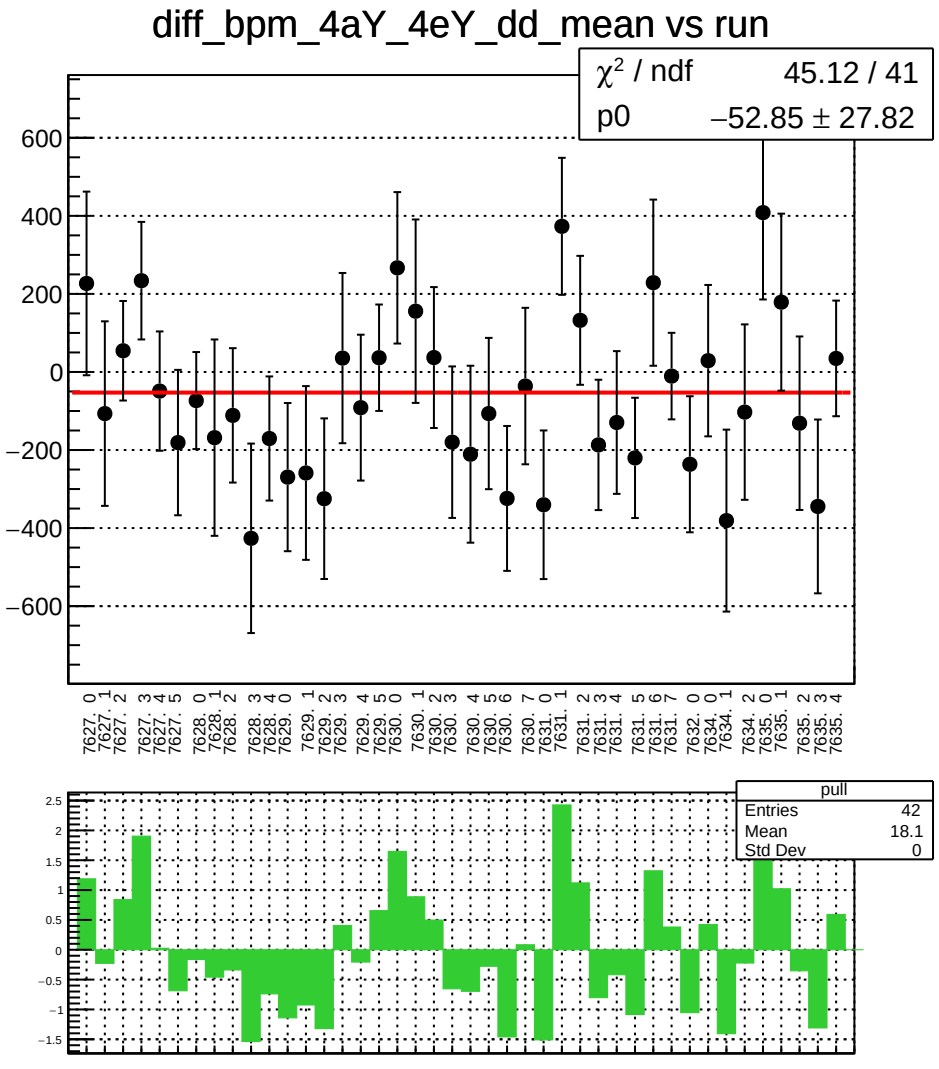

pull1D
Entries 42
Mean −0.003454
Std Dev 1.028

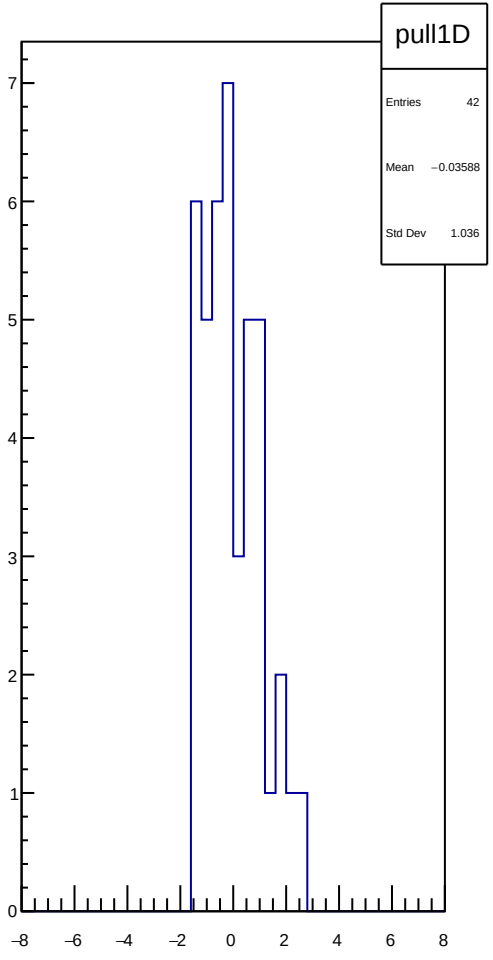

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 1147 / 41
p0 1220 ± 1.342
1350
1300
1250
1200
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

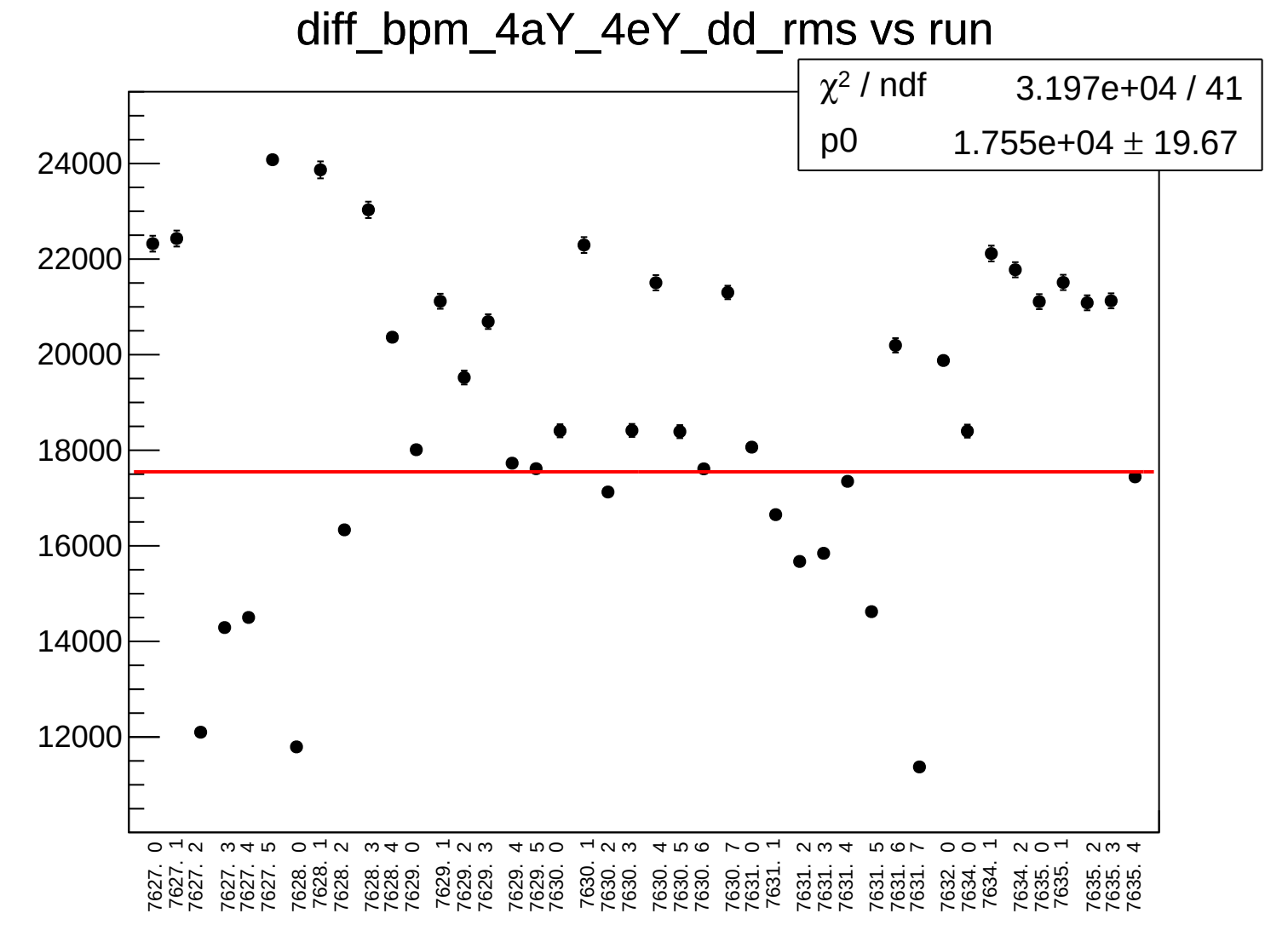

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 45.57 / 41
p0 −288.8 ± 146.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

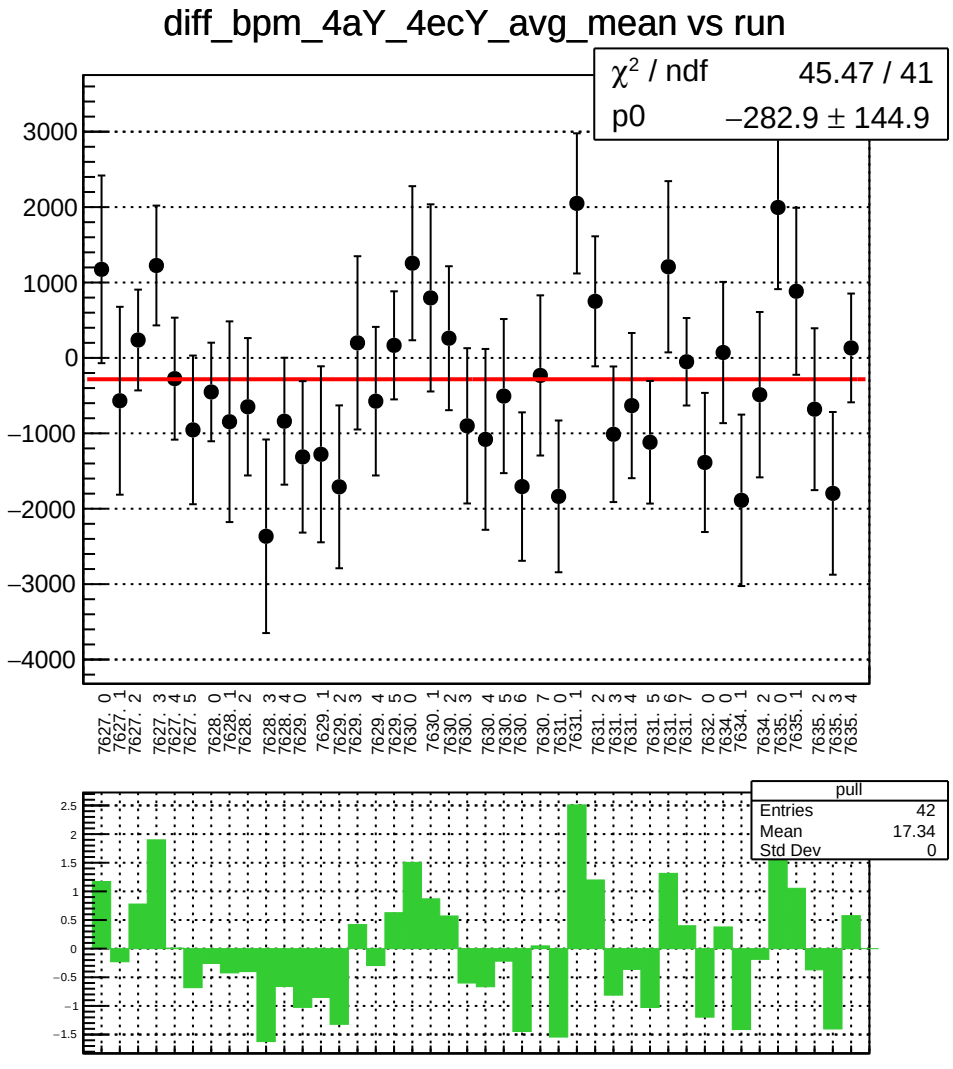

pull1D
Entries 42
Mean −0.03797
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

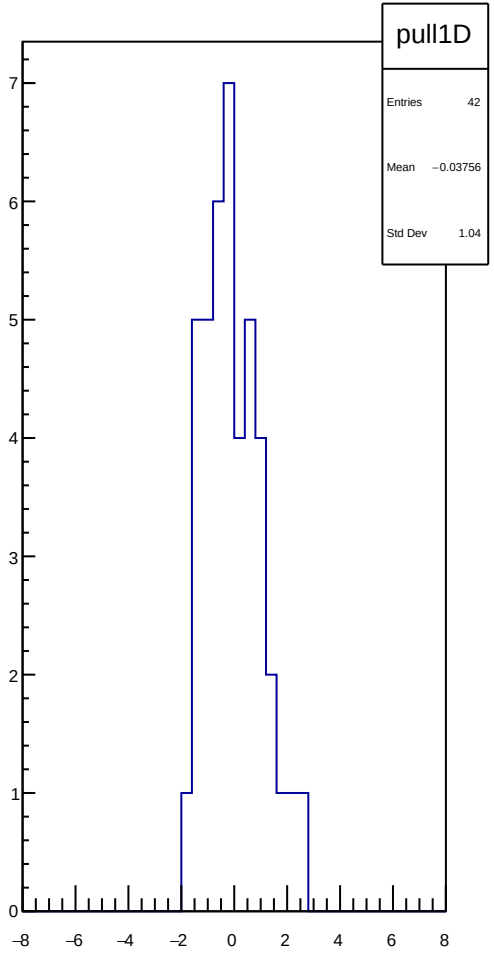

diff_bpm_4aY_4eY_avg_rms vs run
×10^3
130
120
110
100
90
80
70
60
χ² / ndf 3.053e+04 / 41
p0 9.233e+04 ± 103.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

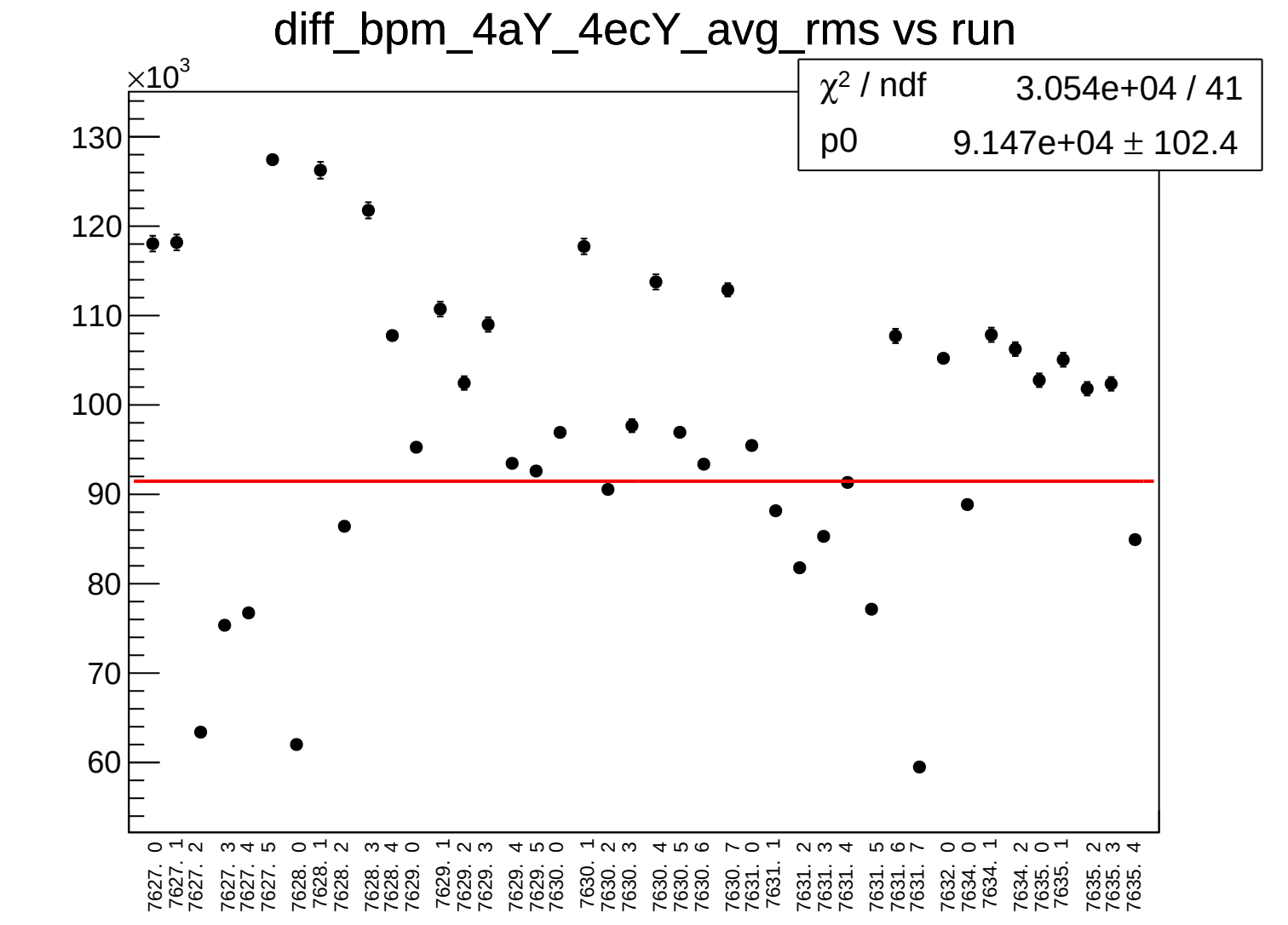

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 45.12 / 41
p0 −52.85 ± 27.82
600
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

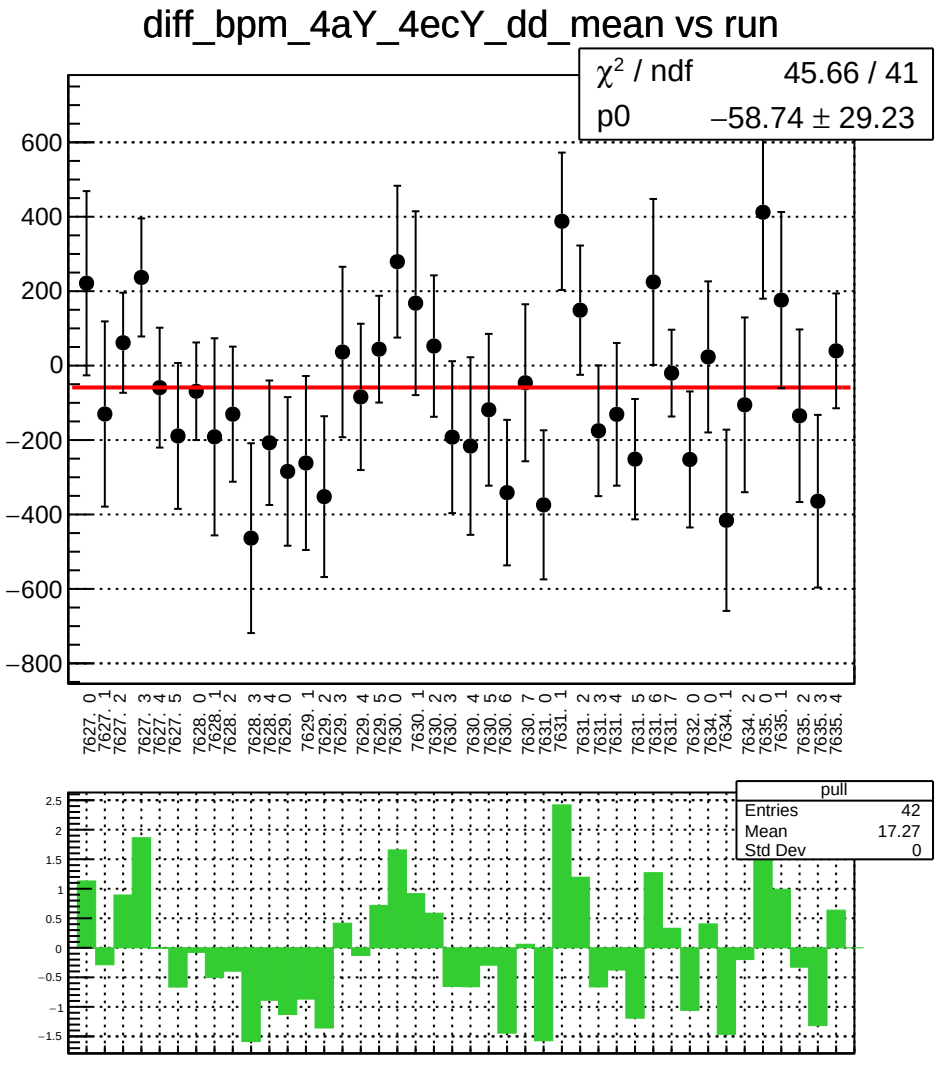

pull1D
Entries 42
Mean −0.03588
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

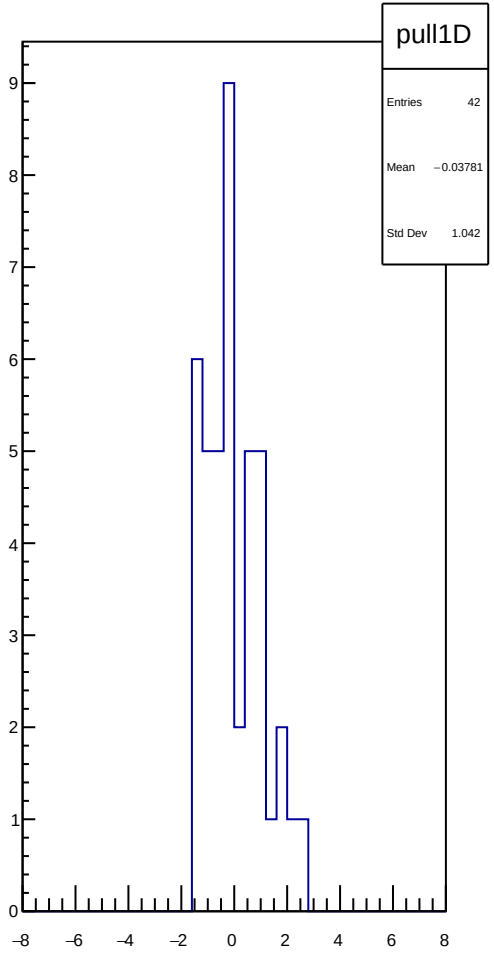

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 3.197e+04 / 41
p0 1.755e+04 ± 19.67
24000
22000
20000
18000
16000
14000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

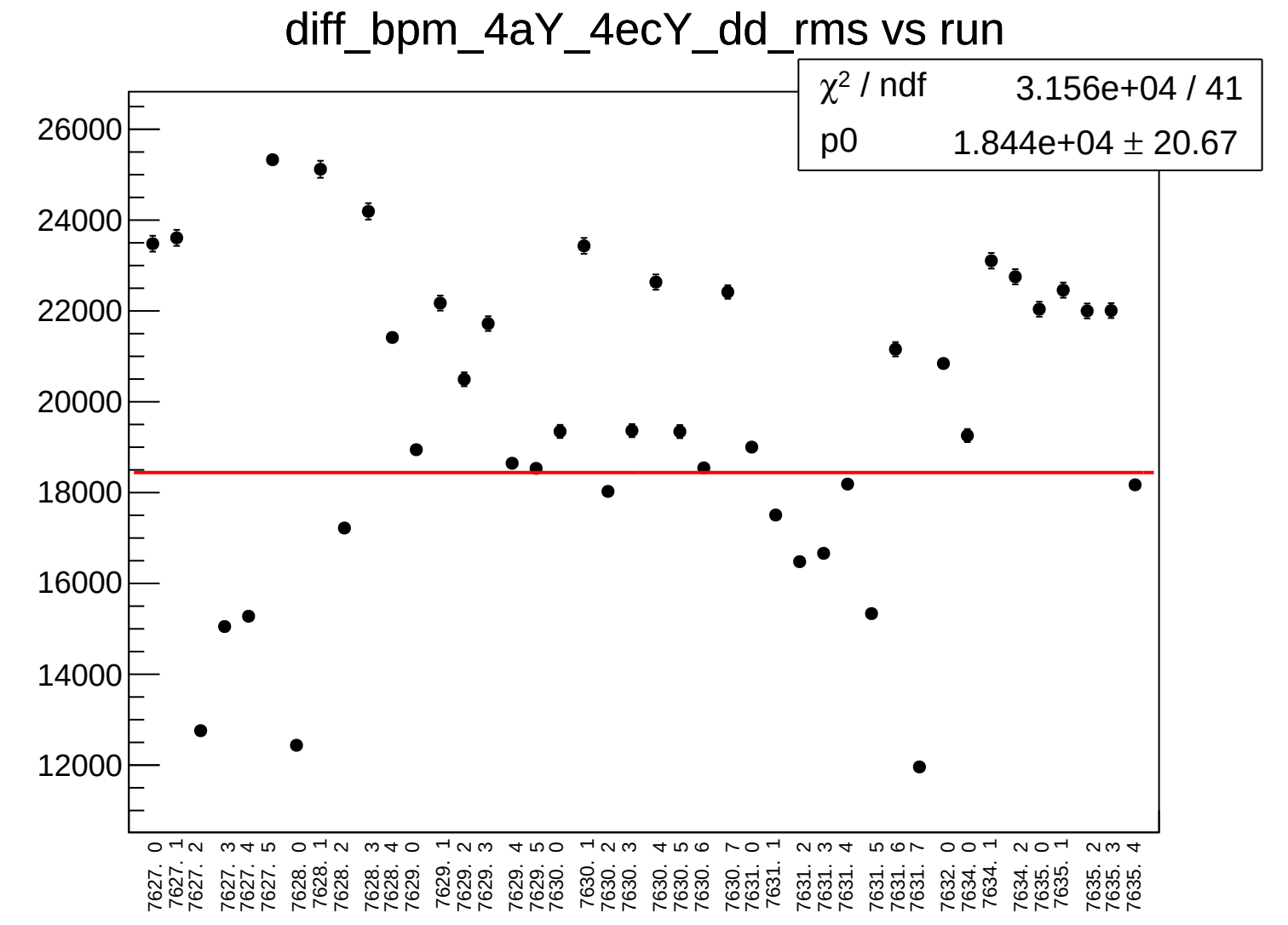

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 45.47 / 41
p0 −282.9 ± 144.9
3000
2000
1000
0
−1000
−2000
−3000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.34
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

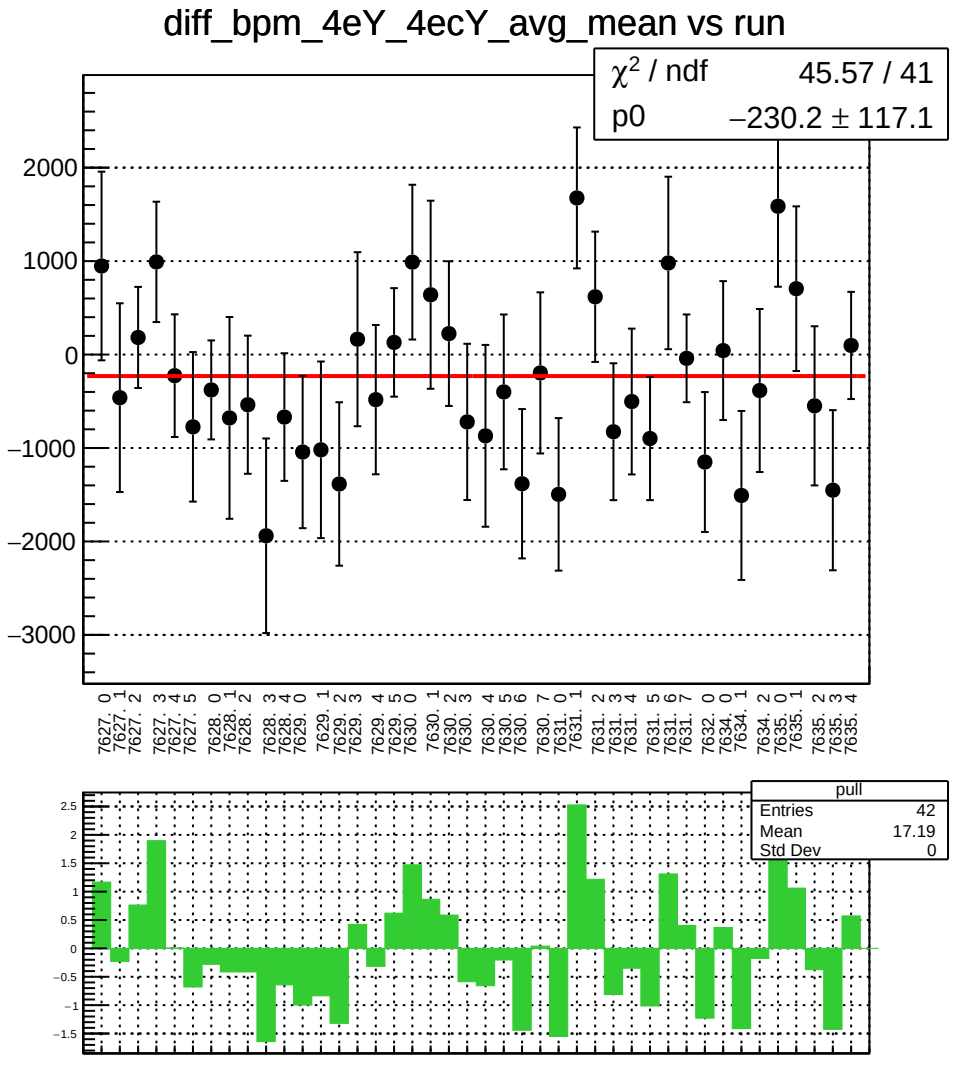

pull1D
Entries 42
Mean −0.03756
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

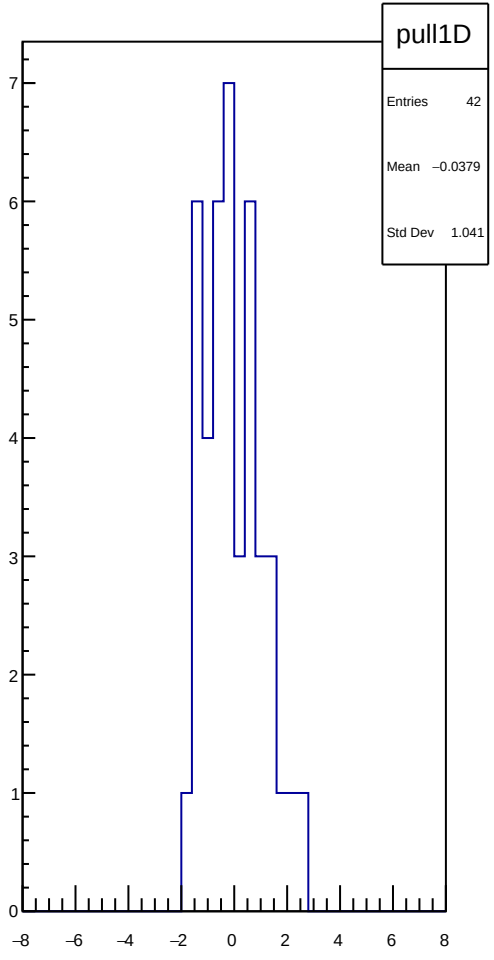

diff_bpm_4aY_4ecY_avg_rms vs run
×10^3
χ² / ndf 3.054e+04 / 41
p0 9.147e+04 ± 102.4
130
120
110
100
90
80
70
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

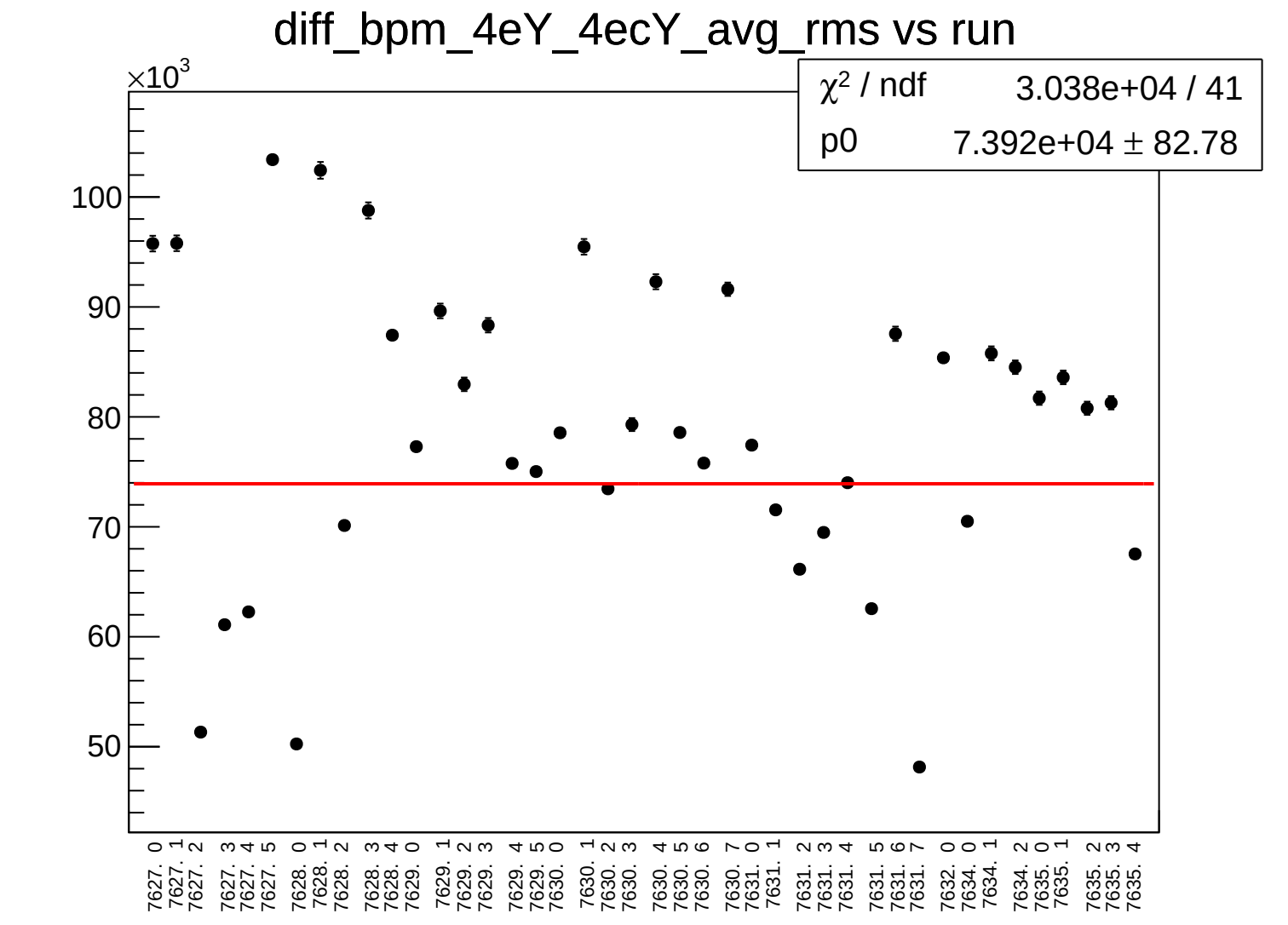

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 45.66 / 41
p0 −58.74 ± 29.23
600
400
200
0
−200
−400
−600
−800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.27
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

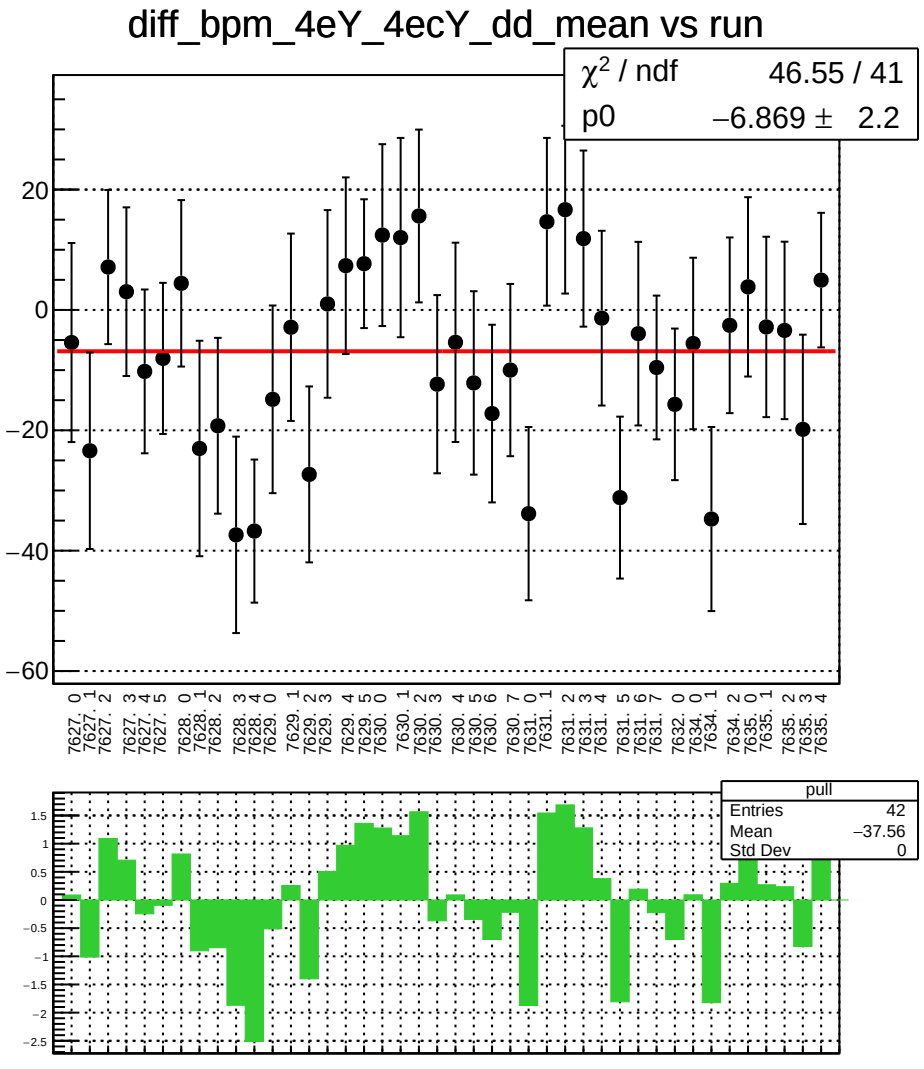

pull1D
Entries 42
Mean −0.03781
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

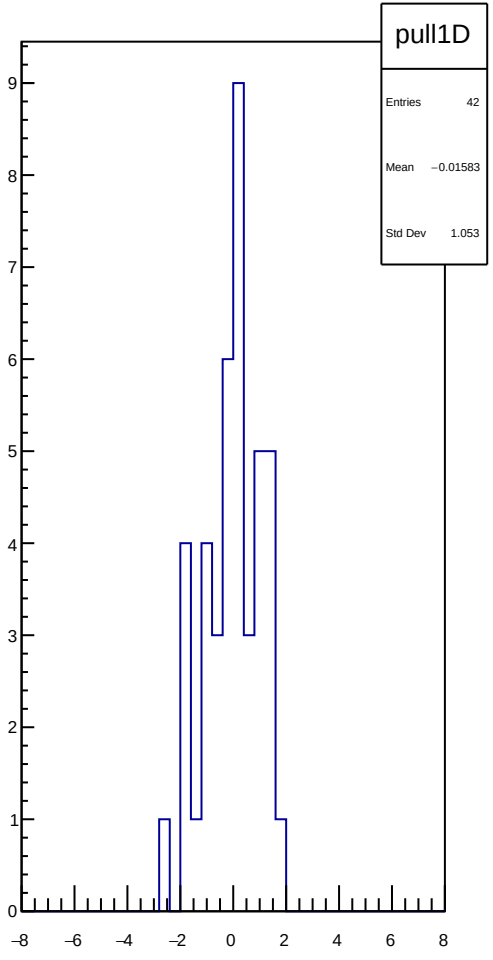

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 3.156e+04 / 41
p0 1.844e+04 ± 20.67
26000
24000
22000
20000
18000
16000
14000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

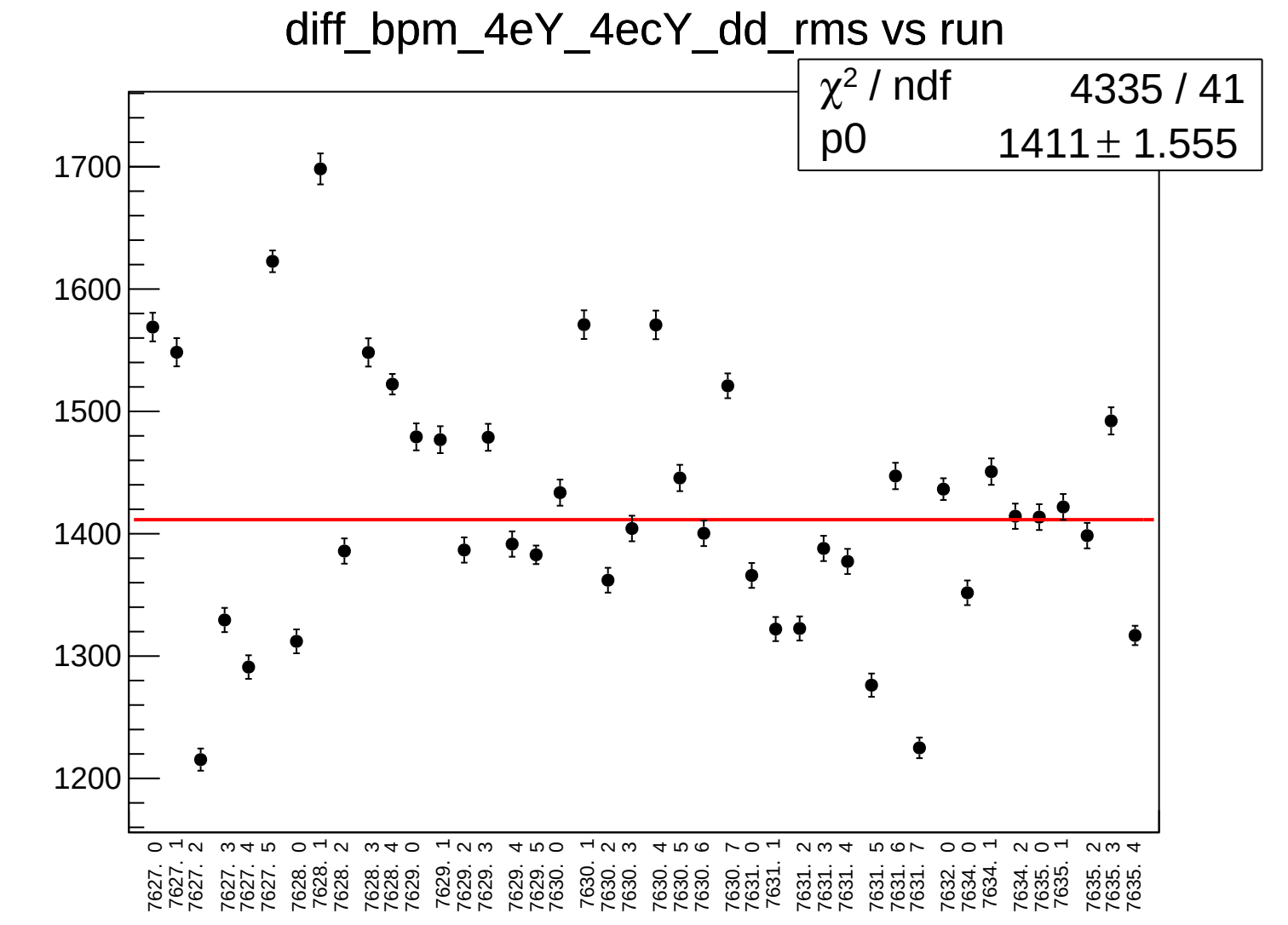

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 45.57 / 41
p0 −230.2 ± 117.1
2000
1000
0
−1000
−2000
−3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.19
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

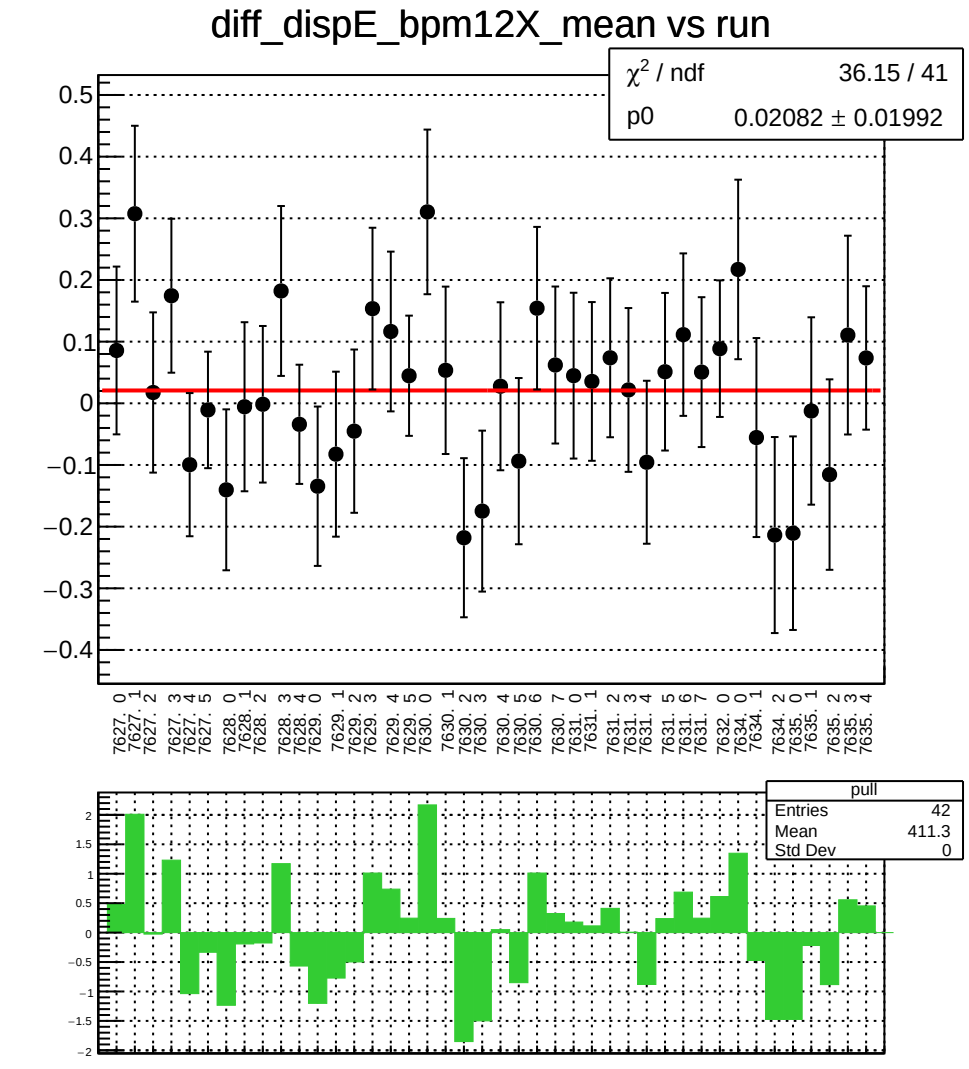

pull1D
Entries 42
Mean −0.0379
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

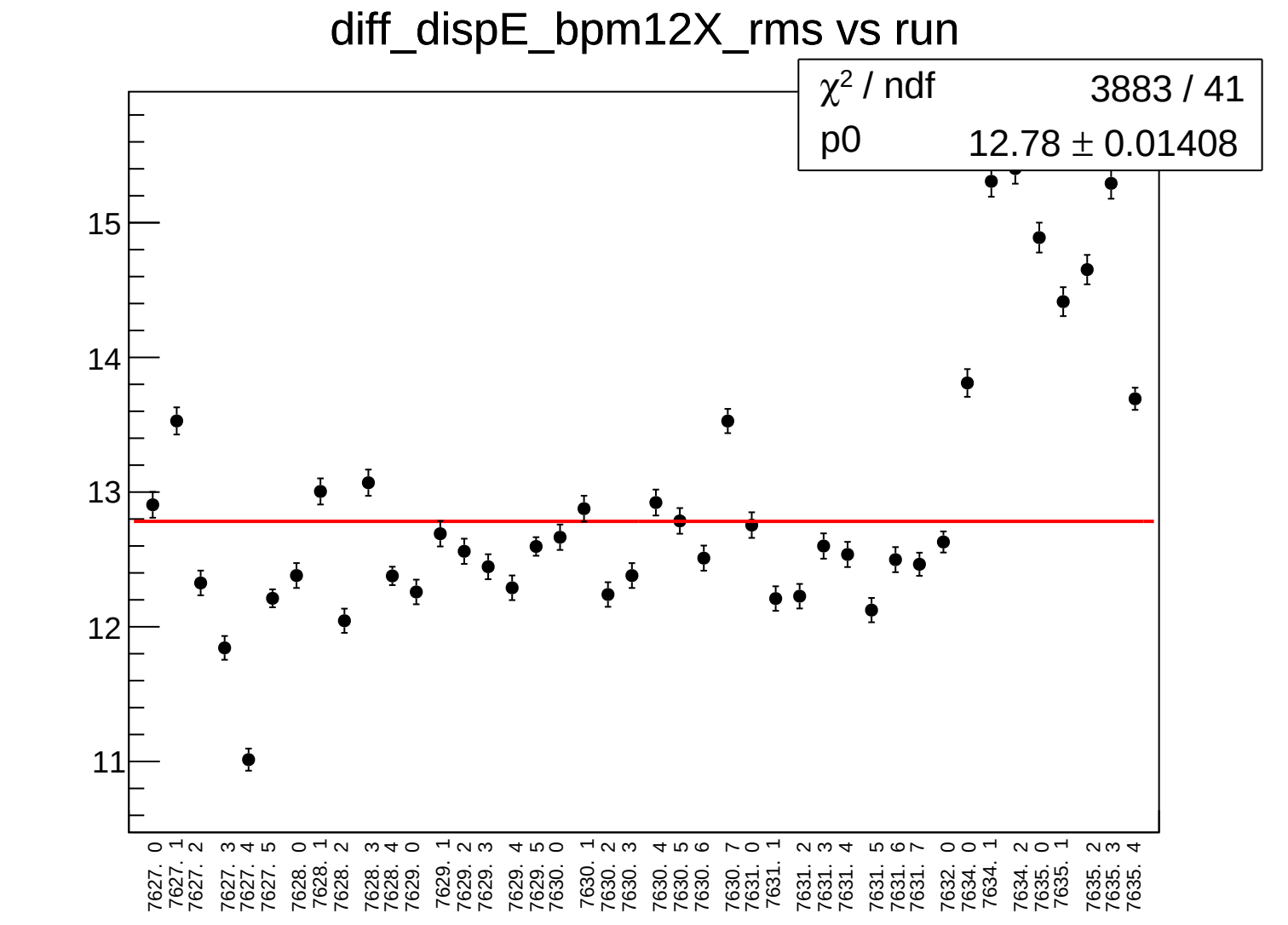

diff_bpm_4eY_4ecY_avg_rms vs run
×10^3
χ² / ndf 3.038e+04 / 41
p0 7.392e+04 ± 82.78
100
90
80
70
60
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

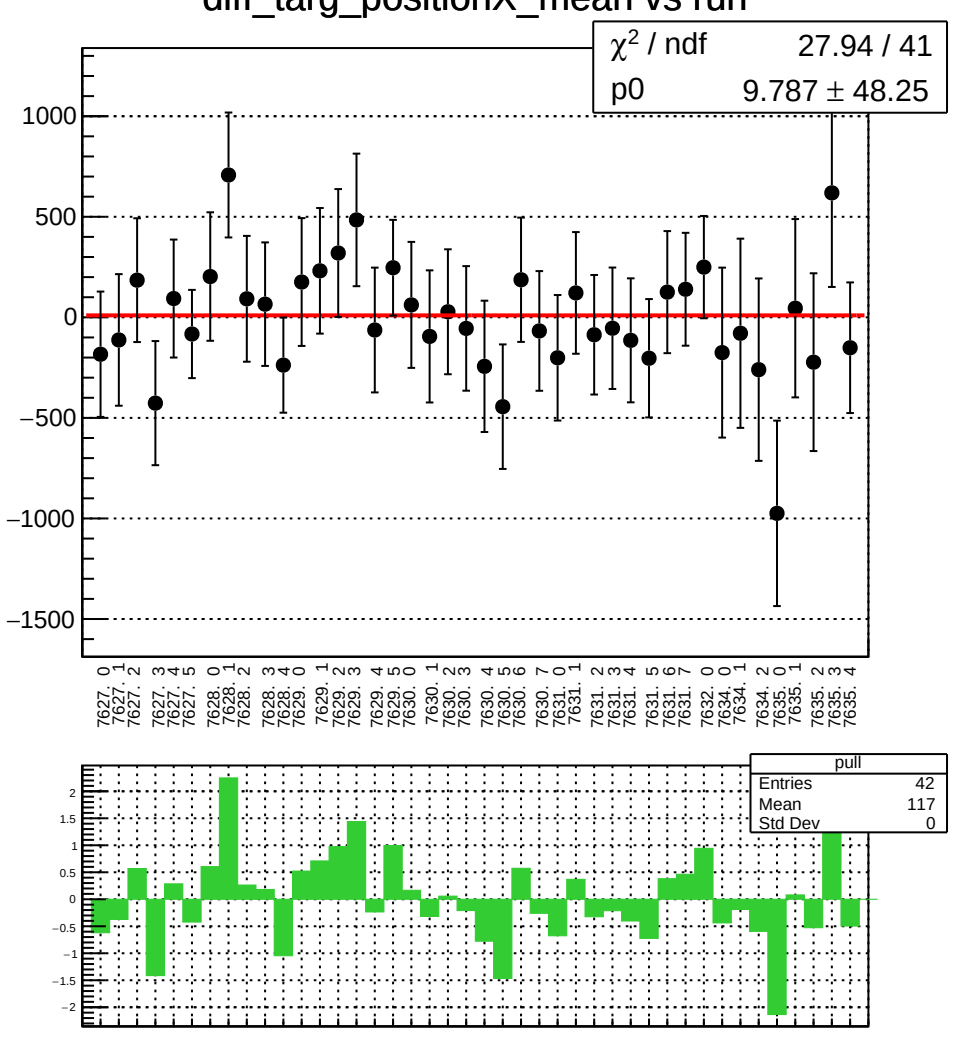

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 46.55 / 41
p0 −6.869 ± 2.2
20
0
−20
−40
−60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −37.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

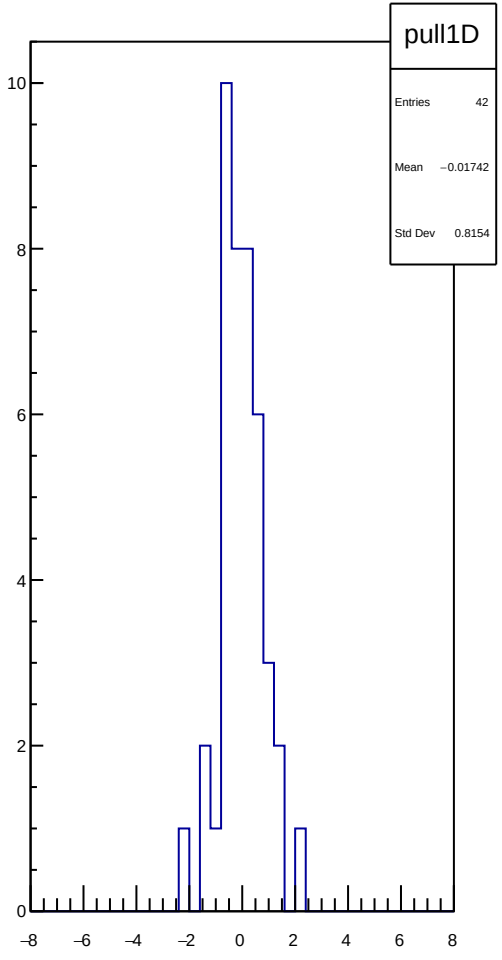

pull1D
Entries 42
Mean −0.01583
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

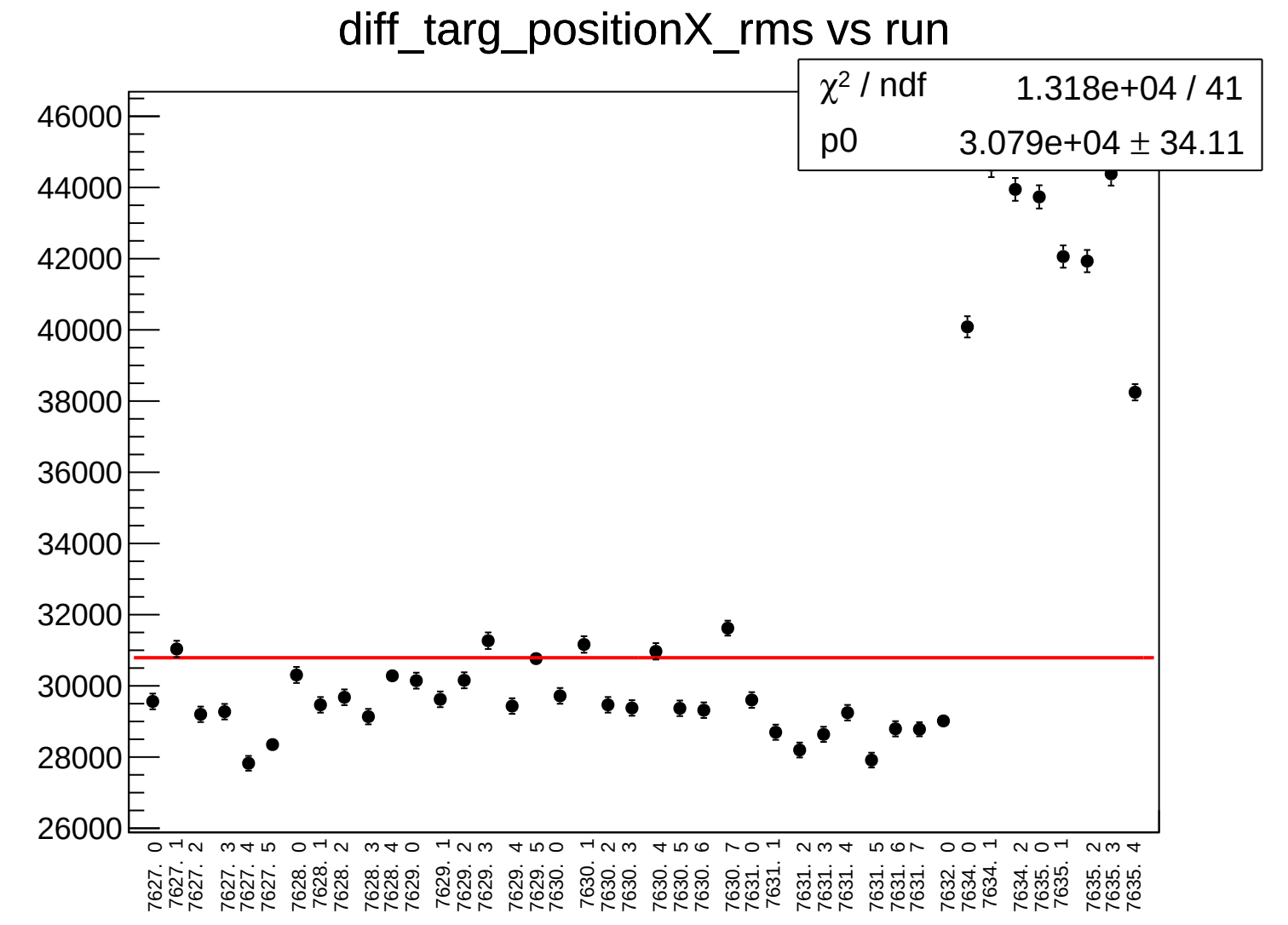

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 4335 / 41
p0 1411 ± 1.555
1700
1600
1500
1400
1300
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

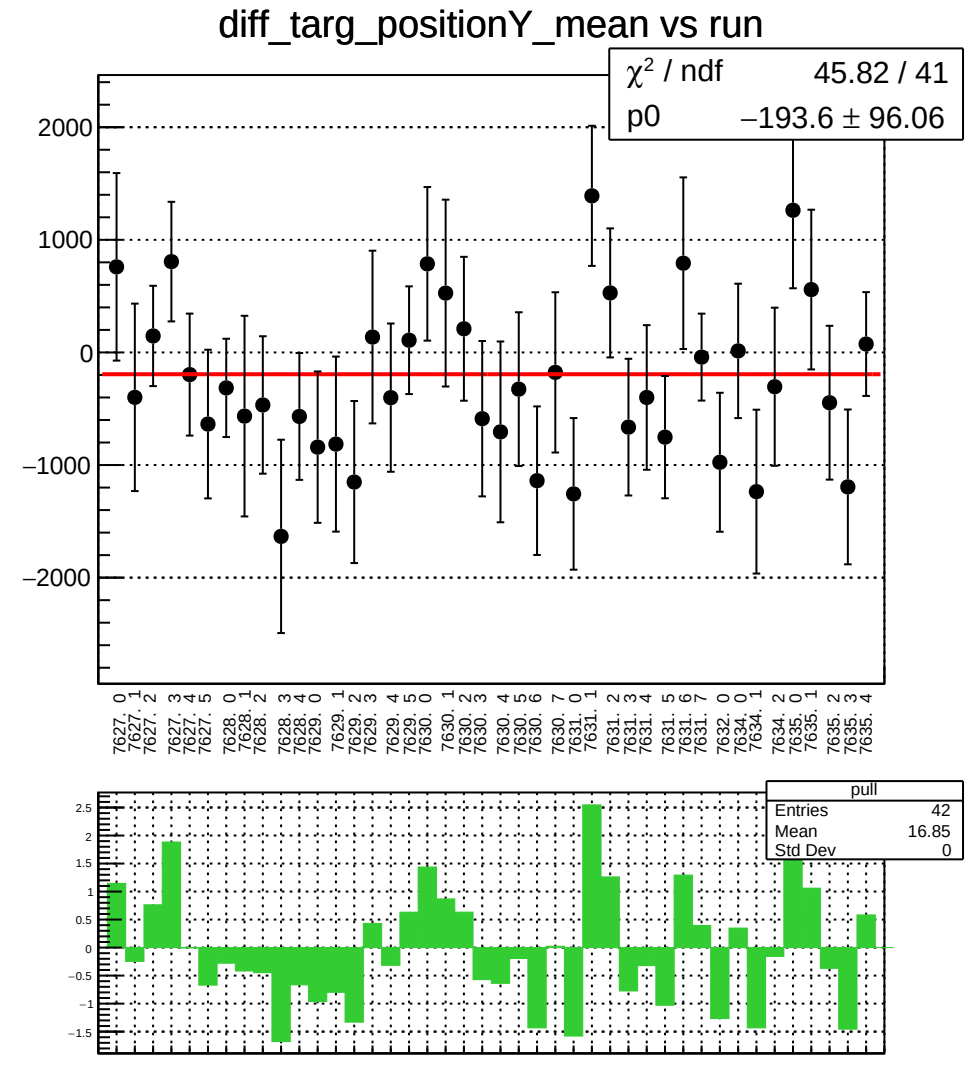

diff_dispE_bpm12X_mean vs run
χ² / ndf 36.15 / 41
p0 0.02082 ± 0.01992
pull
Entries 42
Mean 411.3
Std Dev 0
pull1D
Entries 42
Mean −0.002691
Std Dev 0.9278

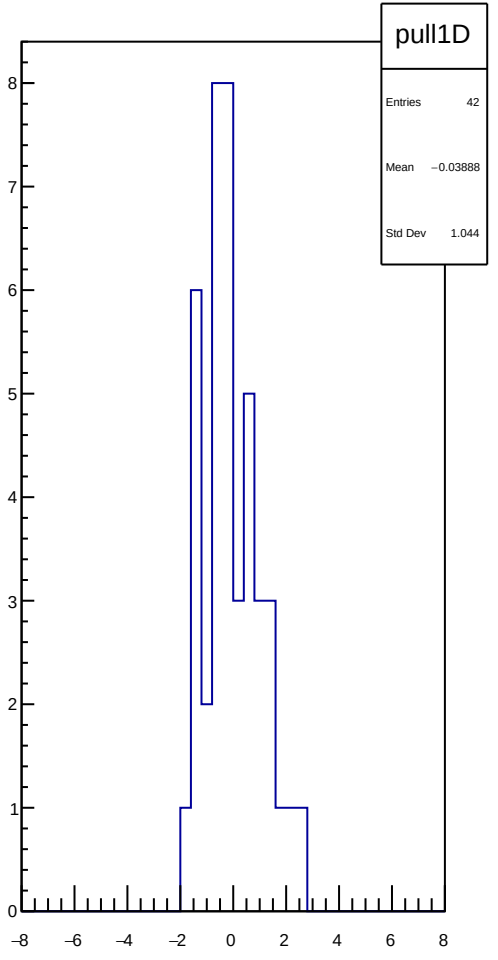

diff_dispE_bpm12X_rms vs run
χ² / ndf 3883 / 41
p0 12.78 ± 0.01408
15
14
13
12
11
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

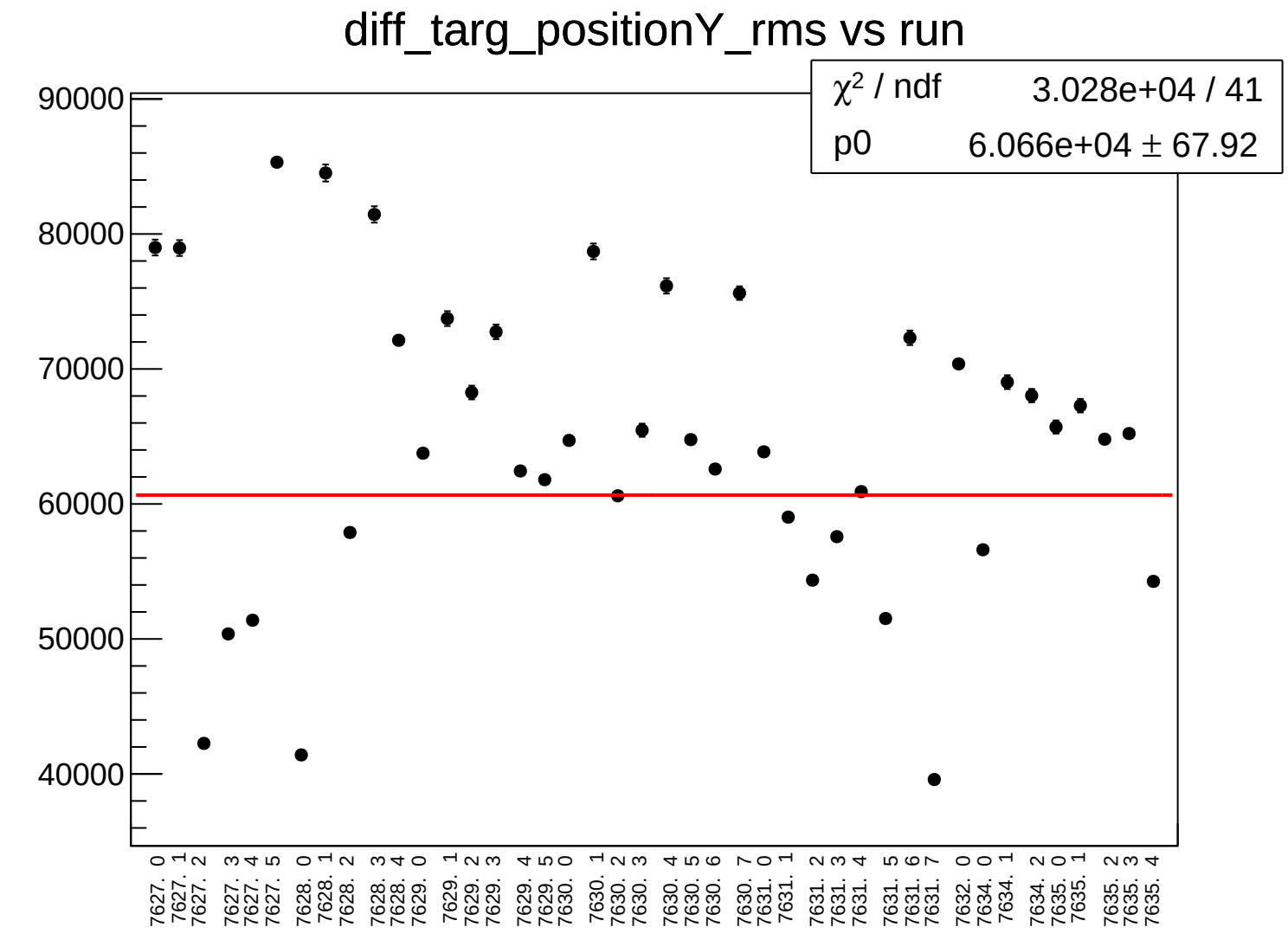

diff_targ_positionX_mean vs run
χ² / ndf 27.94 / 41
p0 9.787 ± 48.25
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

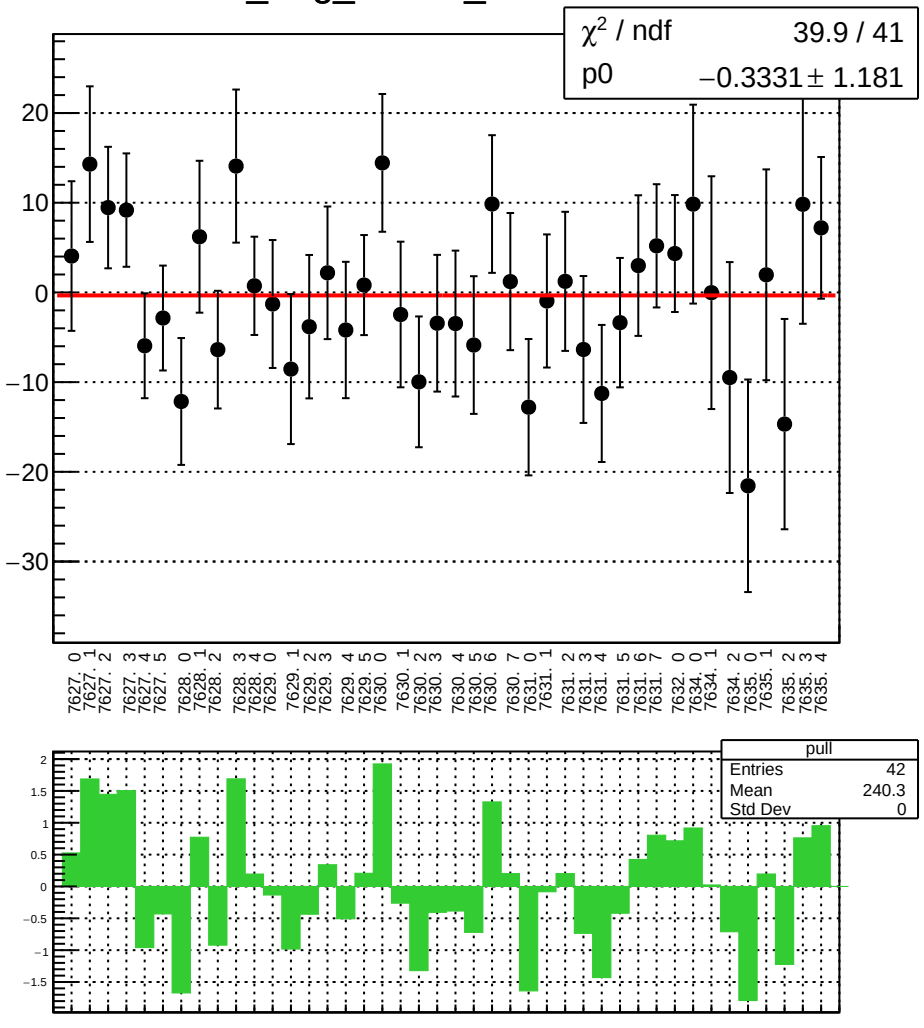

pull1D
Entries 42
Mean −0.01742
Std Dev 0.8154
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

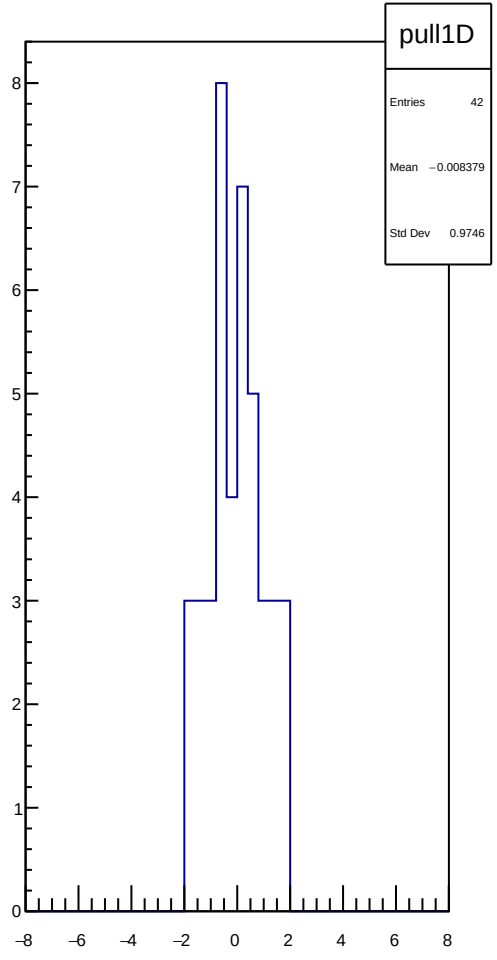

diff_targ_positionX_rms vs run
χ² / ndf 1.318e+04 / 41
p0 3.079e+04 ± 34.11
46000
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

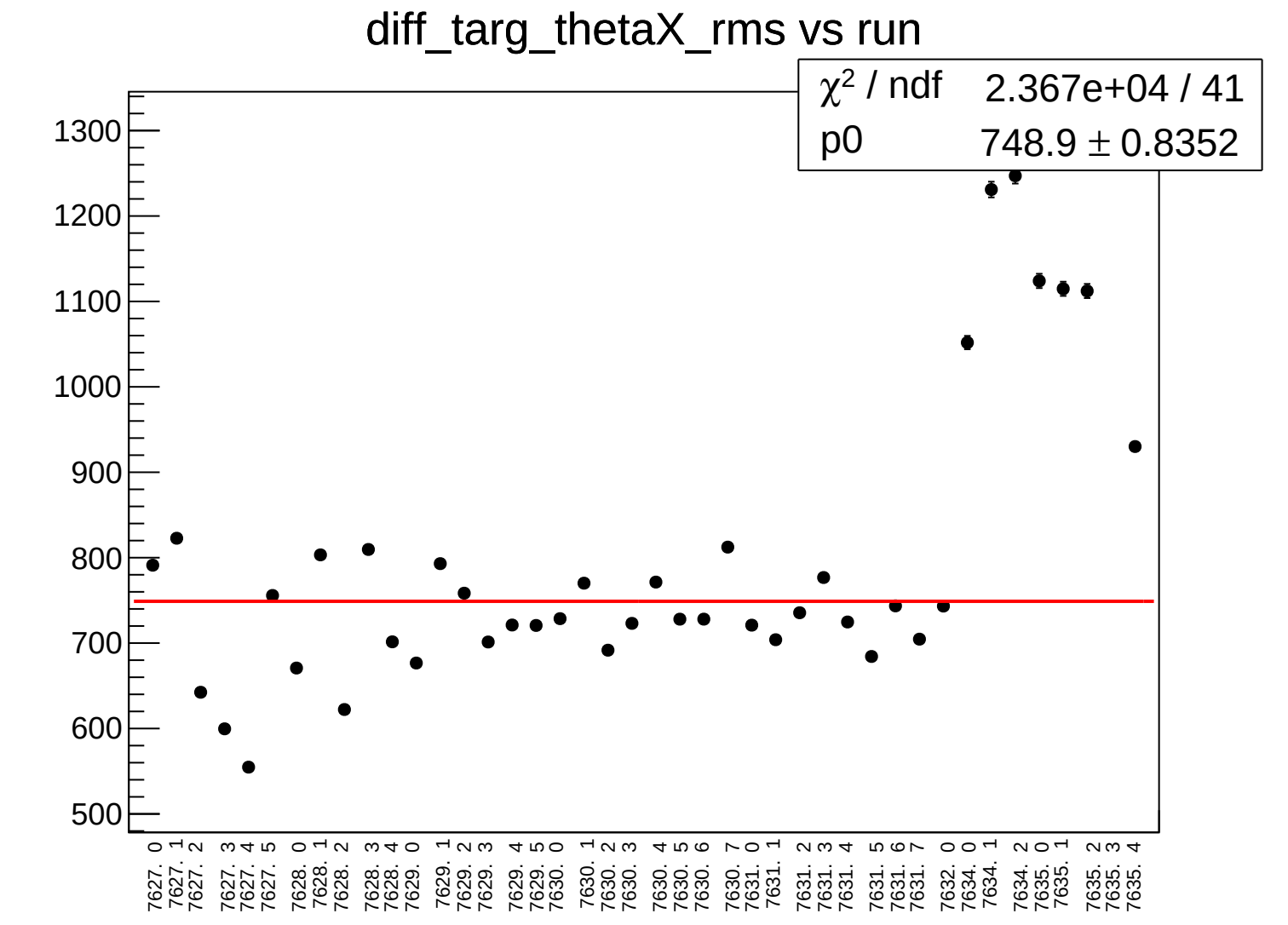

diff_targ_positionY_mean vs run
χ² / ndf 45.82 / 41
p0 −193.6 ± 96.06
2000
1000
0
−1000
−2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 16.85
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

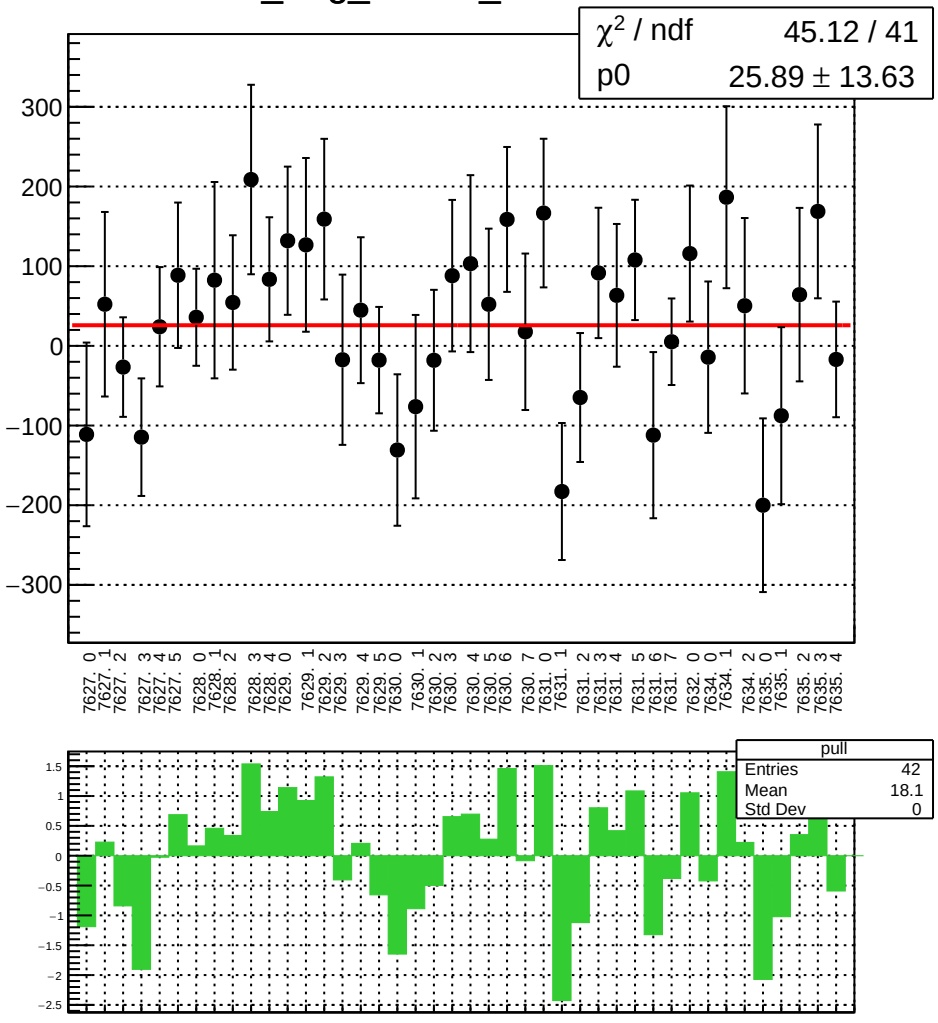

pull1D
Entries 42
Mean −0.03888
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

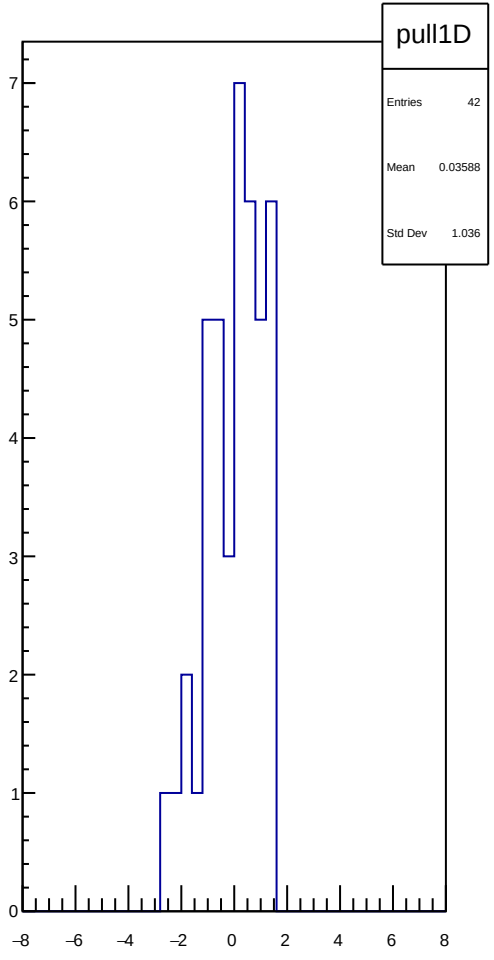

diff_targ_positionY_rms vs run
χ² / ndf 3.028e+04 / 41
p0 6.066e+04 ± 67.92
90000
80000
70000
60000
50000
40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

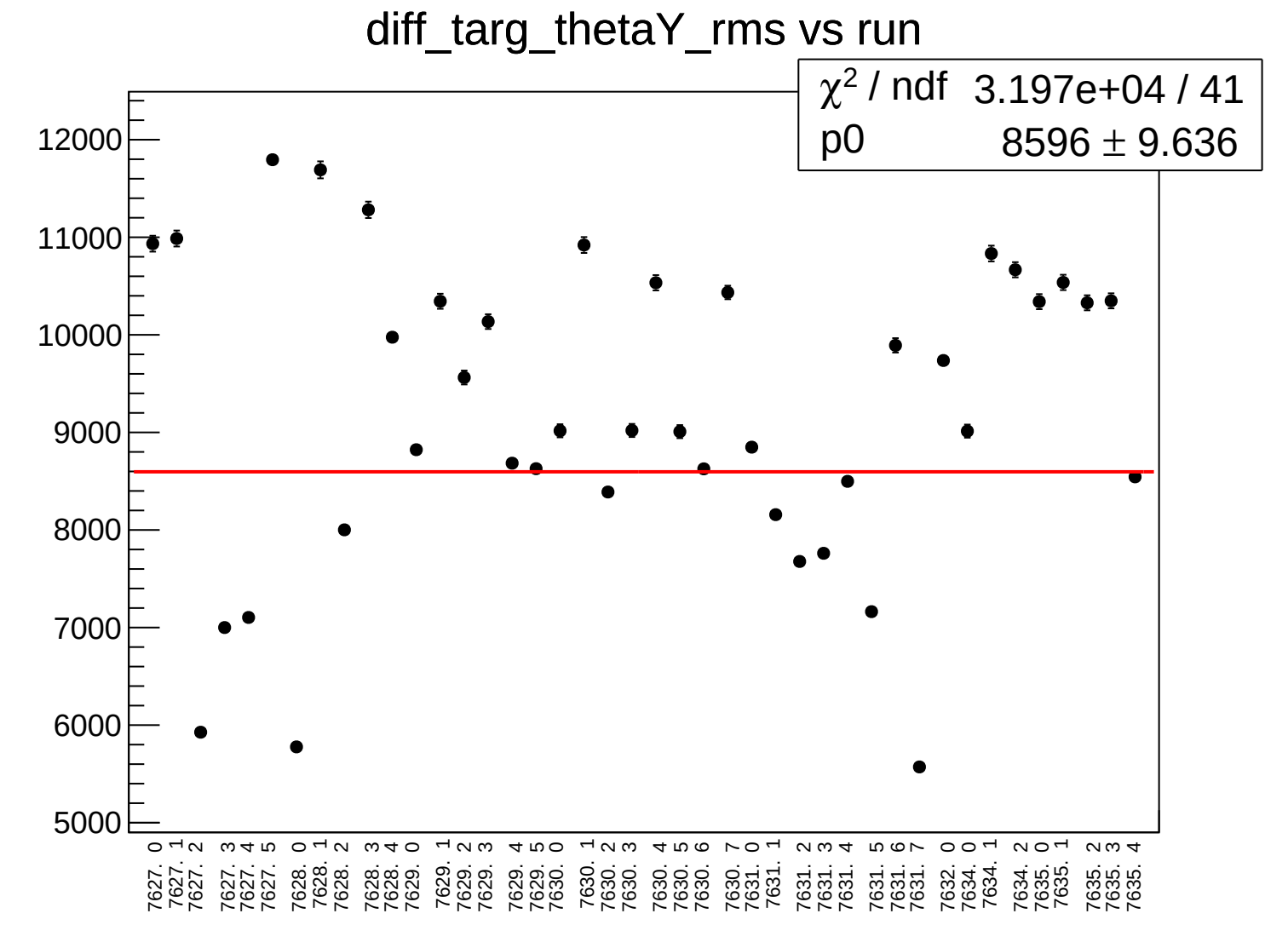

diff_targ_thetaX_mean vs run
χ² / ndf 39.9 / 41
p0 −0.3331 ± 1.181
20
10
0
−10
−20
−30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 240.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

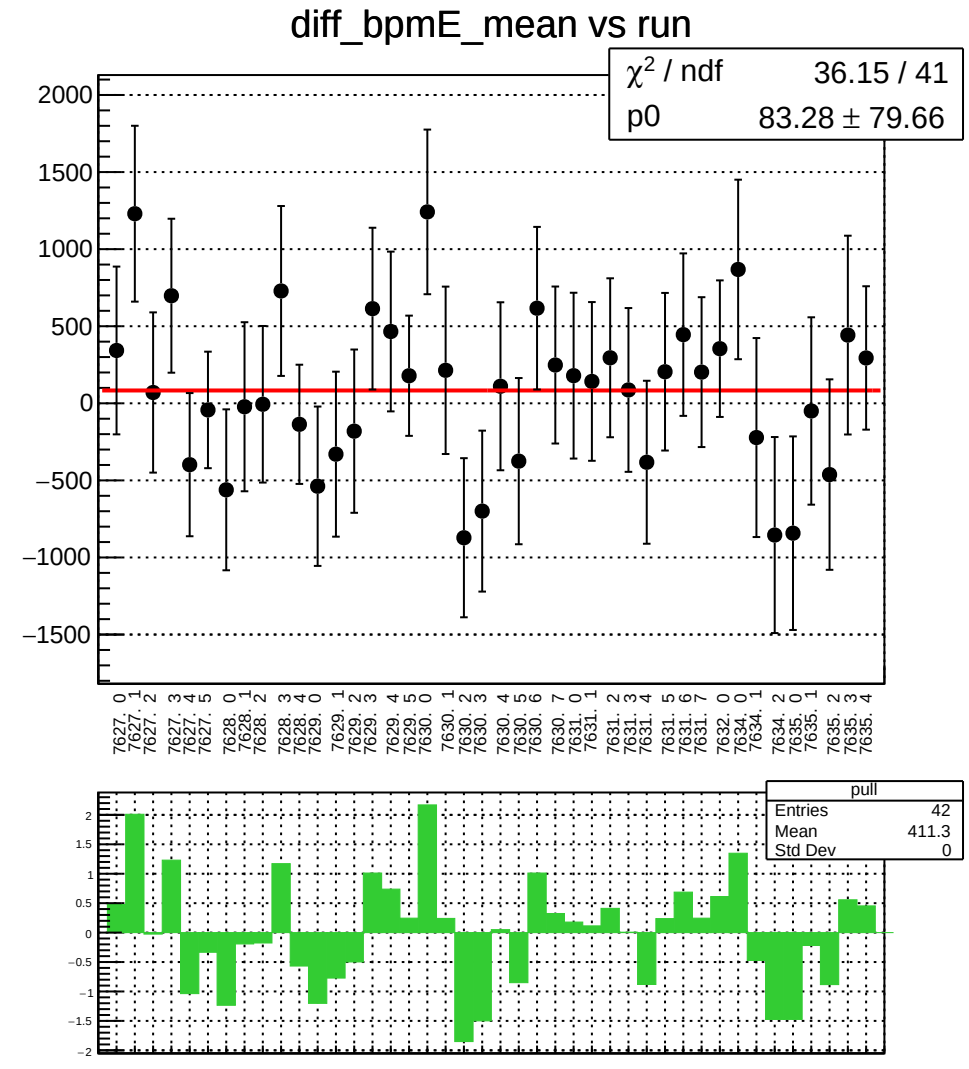

pull1D
Entries 42
Mean −0.008379
Std Dev 0.9746
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

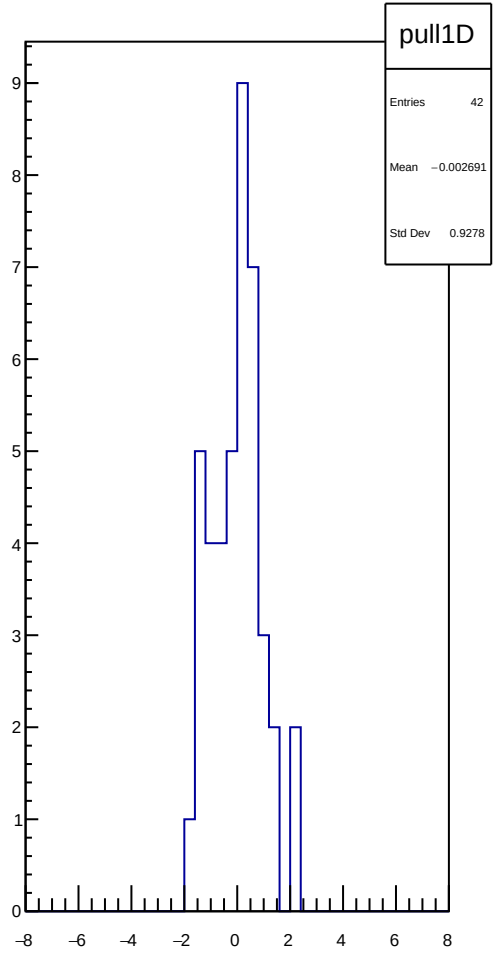

diff_targ_thetaX_rms vs run
χ² / ndf 2.367e+04 / 41
p0 748.9 ± 0.8352
1300
1200
1100
1000
900
800
700
600
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

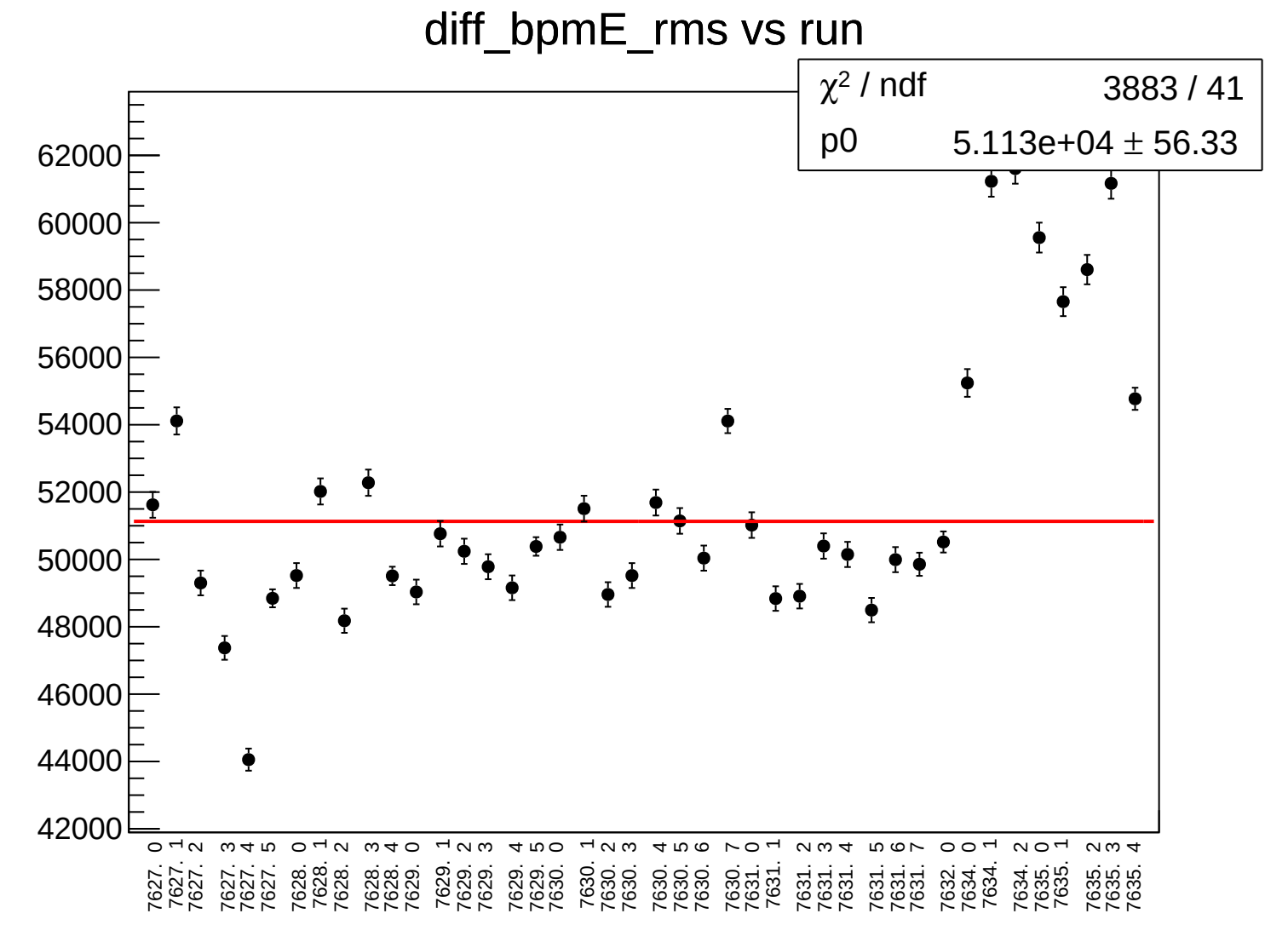

diff_targ_thetaY_mean vs run
χ² / ndf 45.12 / 41
p0 25.89 ± 13.63
pull
Entries 42
Mean 18.1
Std Dev 0

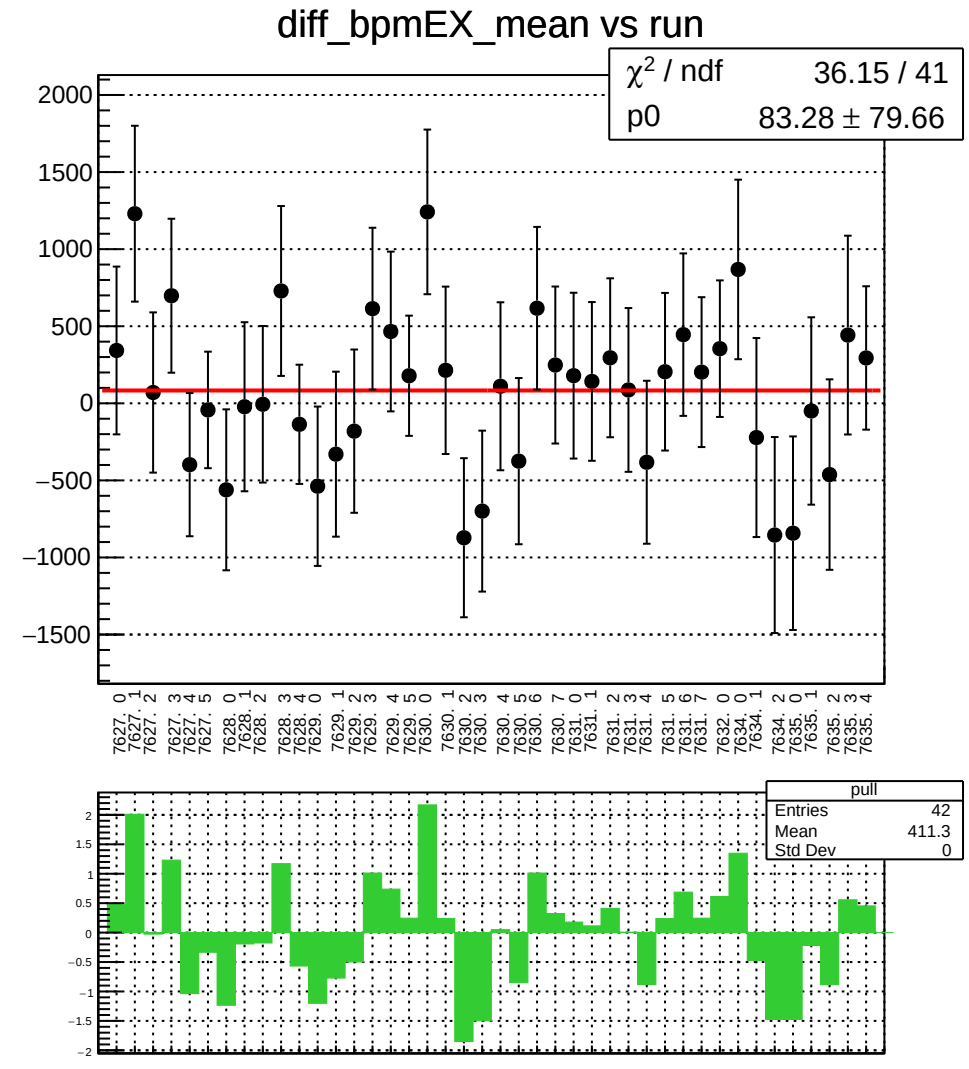

pull1D
Entries 42
Mean 0.03588
Std Dev 1.036

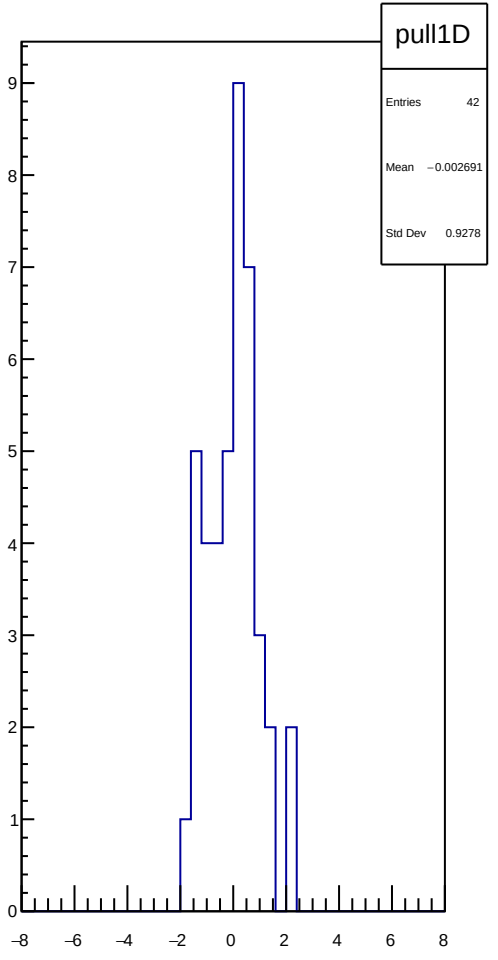

diff_targ_thetaY_rms vs run
χ² / ndf 3.197e+04 / 41
p0 8596 ± 9.636
12000
11000
10000
9000
8000
7000
6000
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

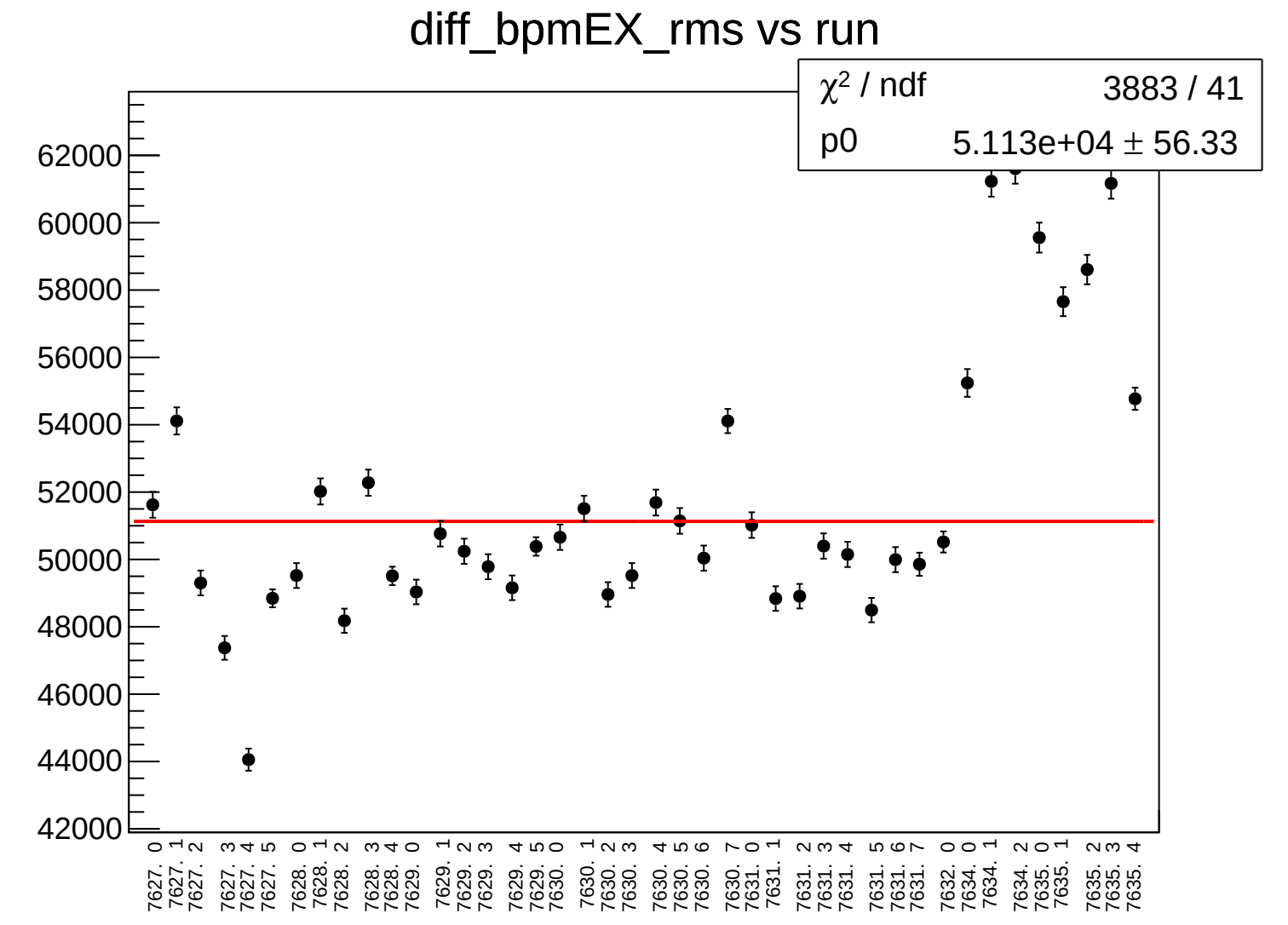

diff_bpmE_mean vs run
χ² / ndf 36.15 / 41
p0 83.28 ± 79.66
2000
1500
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 411.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.002691
Std Dev 0.9278
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpmE_rms vs run
χ² / ndf 3883 / 41
p0 5.113e+04 ± 56.33
62000
60000
58000
56000
54000
52000
50000
48000
46000
44000
42000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


diff_bpmEX_mean vs run
χ² / ndf 36.15 / 41
p0 83.28 ± 79.66
2000
1500
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 411.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.002691
Std Dev 0.9278
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpmEX_rms vs run
χ² / ndf 3883 / 41
p0 5.113e+04 ± 56.33
62000
60000
58000
56000
54000
52000
50000
48000
46000
44000
42000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
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7631. 2
7631. 3
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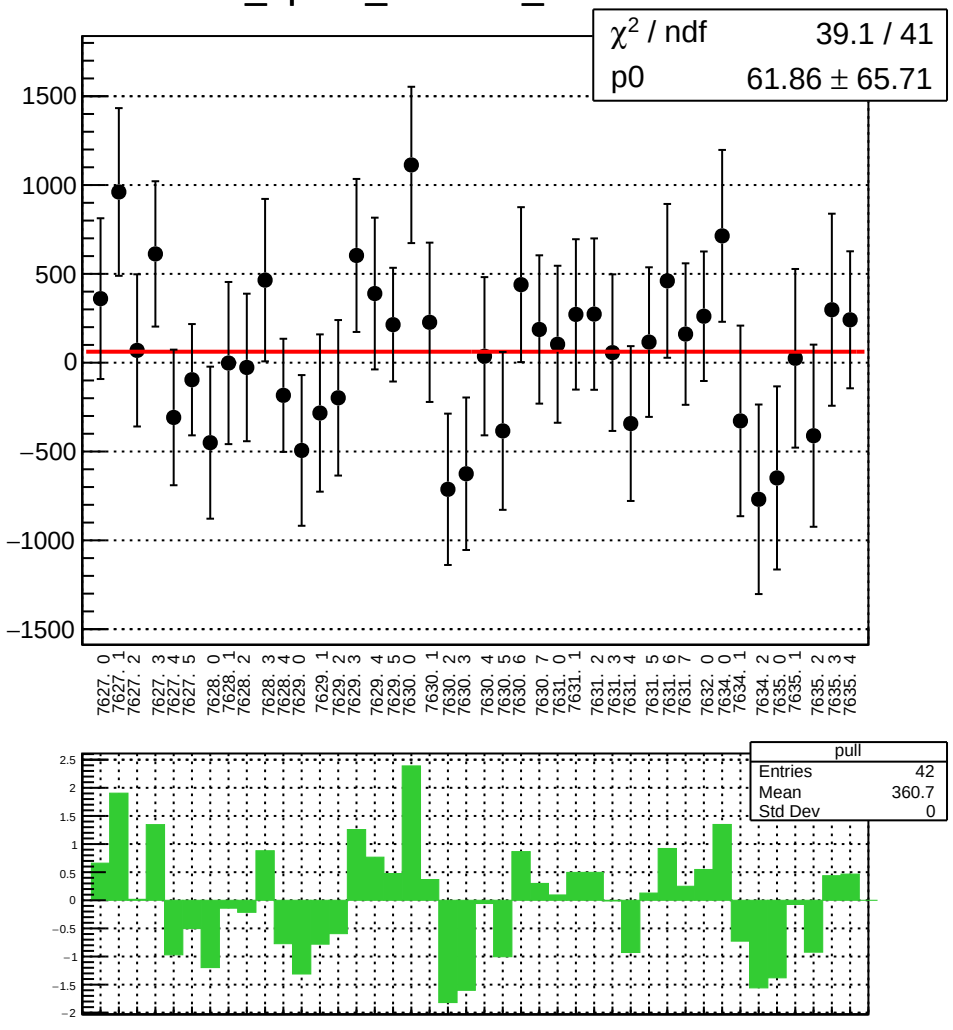
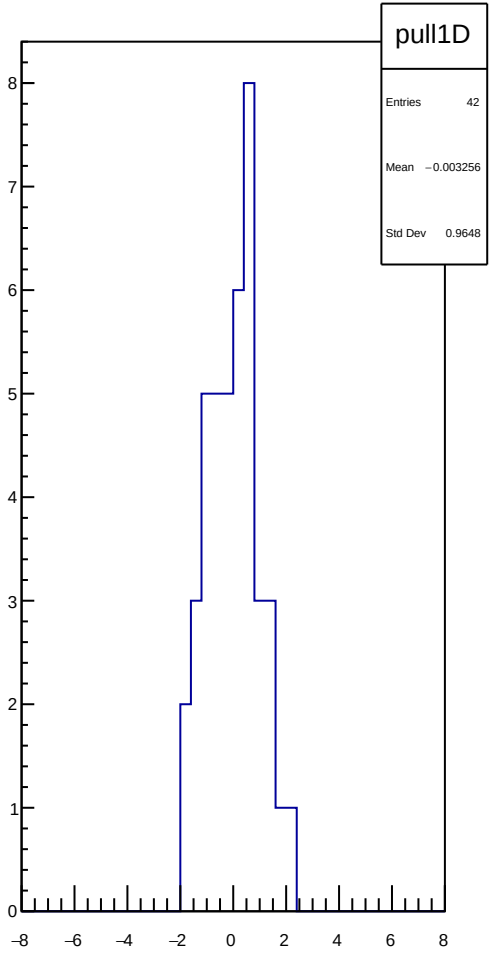
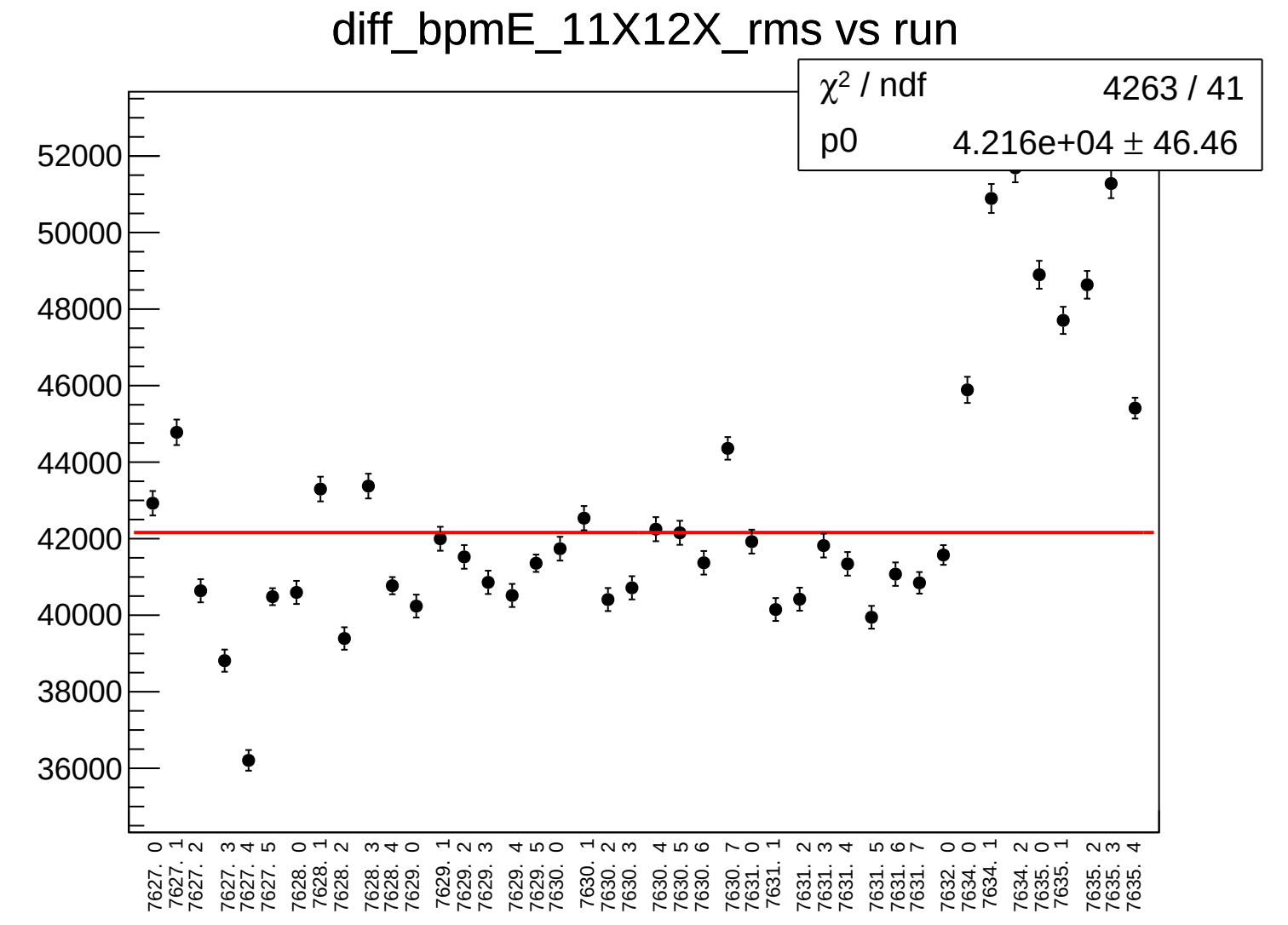
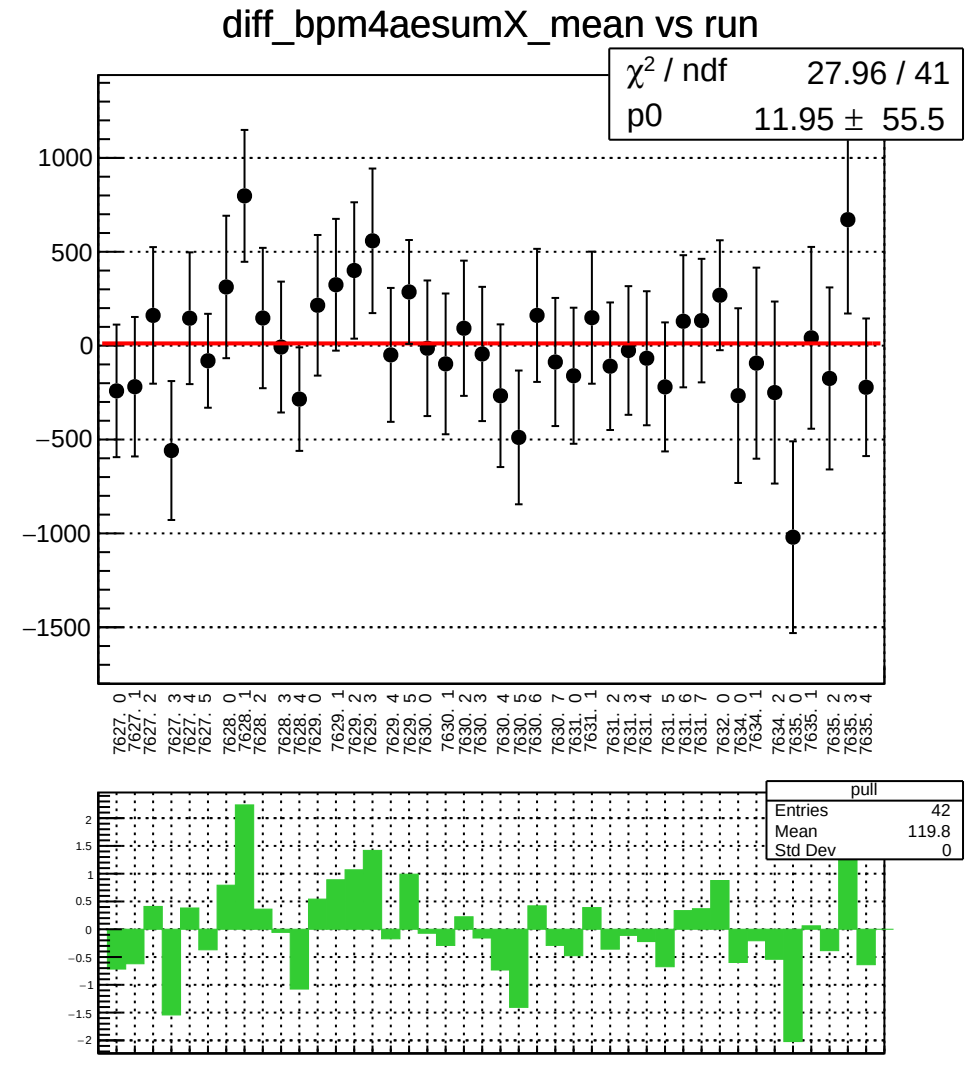
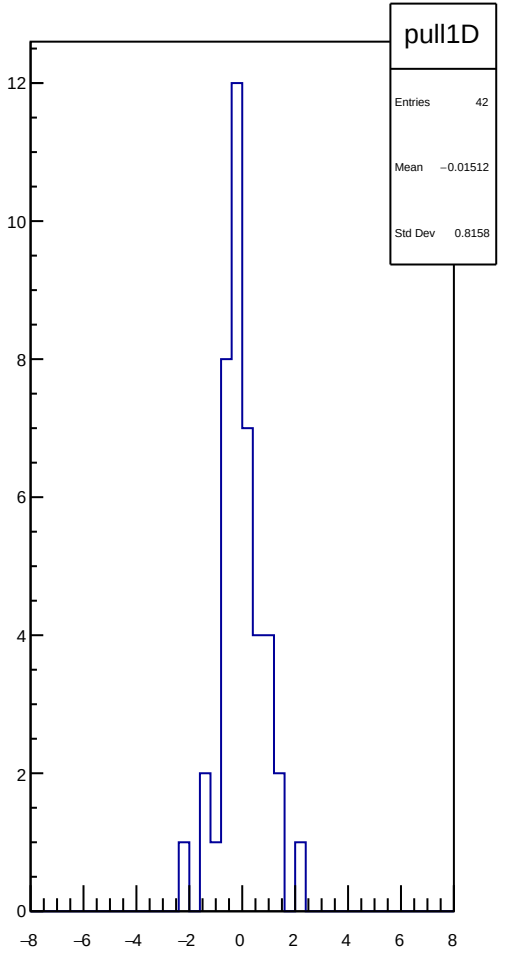
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

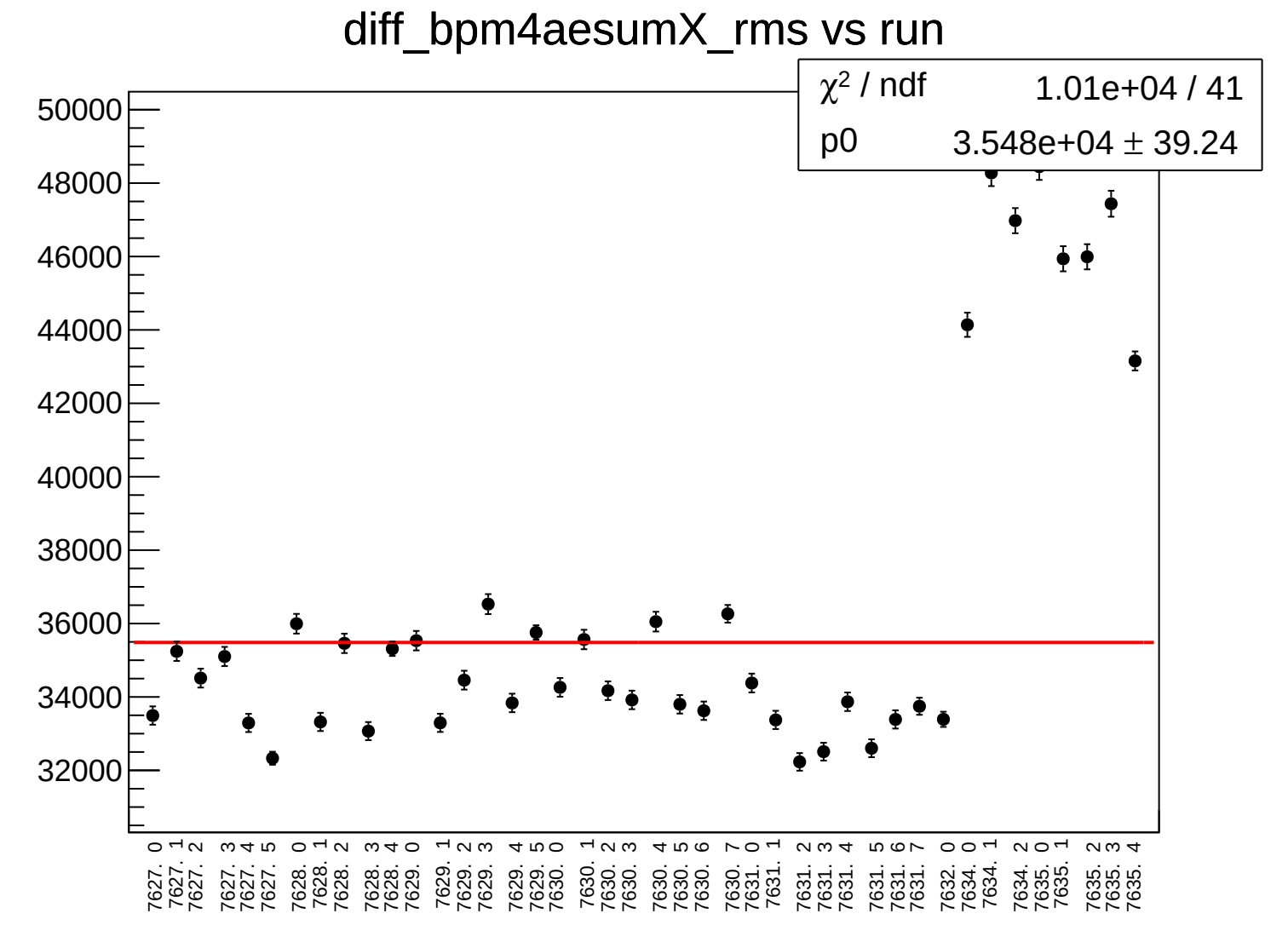

diff_bpmE_11X12X_mean vs run
χ² / ndf 39.1 / 41
p0 61.86 ± 65.71
1500
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 360.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

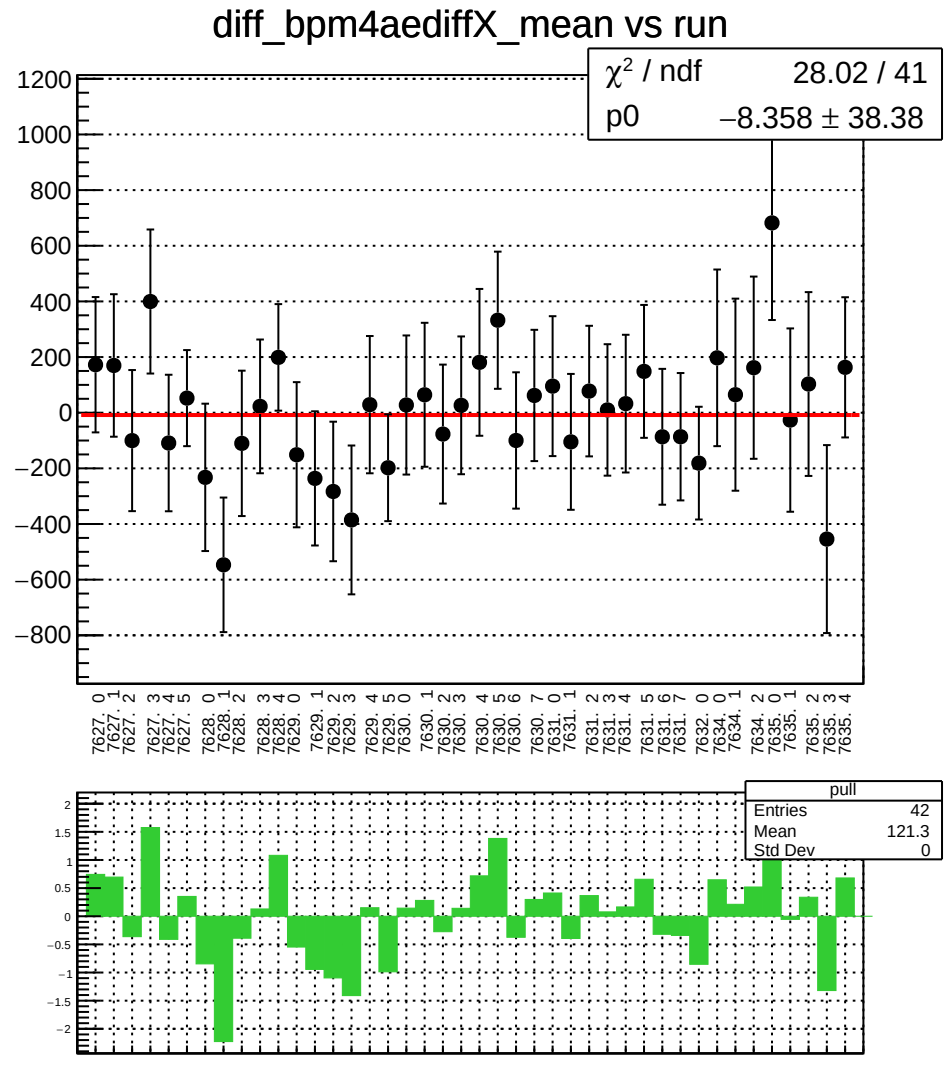

pull1D
Entries 42
Mean −0.003256
Std Dev 0.9648
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

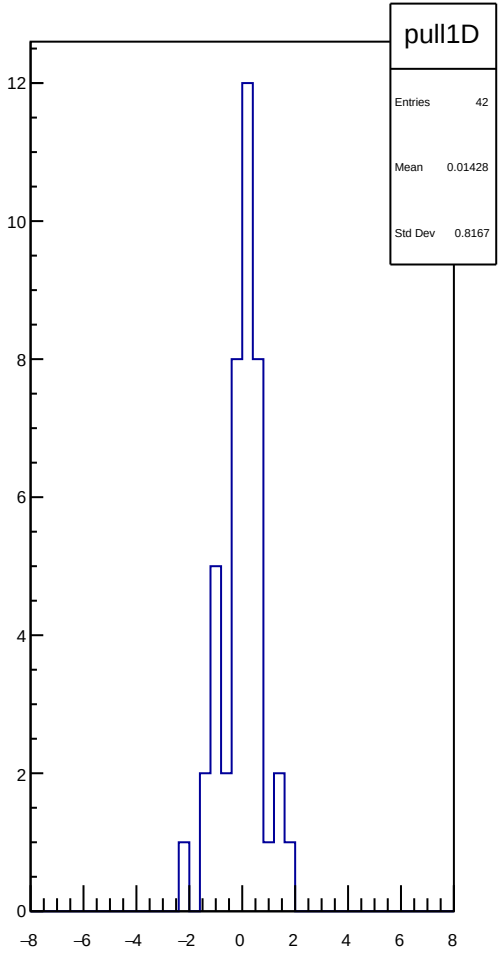

diff_bpmE_11X12X_rms vs run
χ² / ndf 4263 / 41
p0 4.216e+04 ± 46.46
52000
50000
48000
46000
44000
42000
40000
38000
36000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

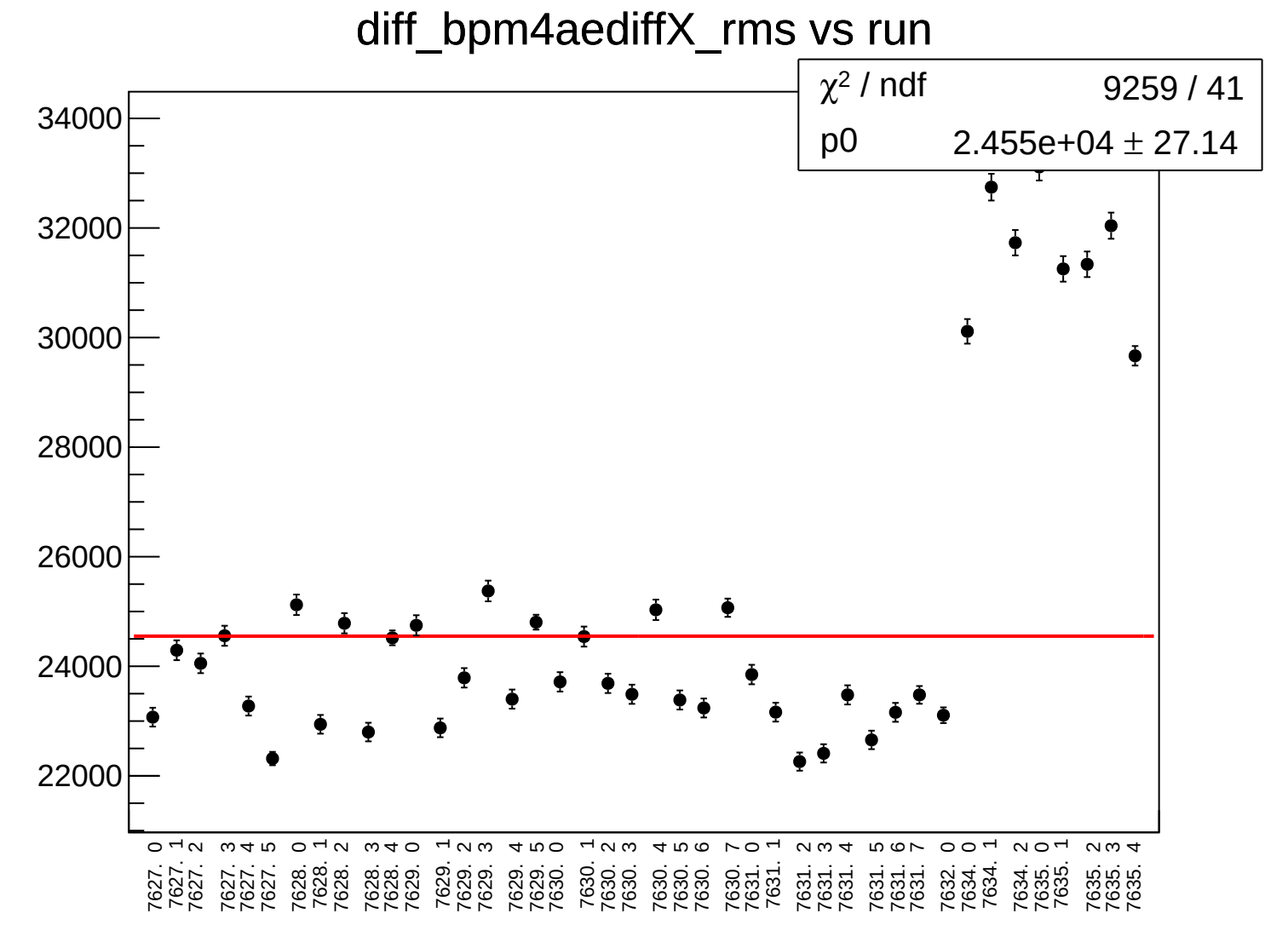

diff_bpm4aesumX_mean vs run
χ² / ndf 27.96 / 41
p0 11.95 ± 55.5
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 119.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

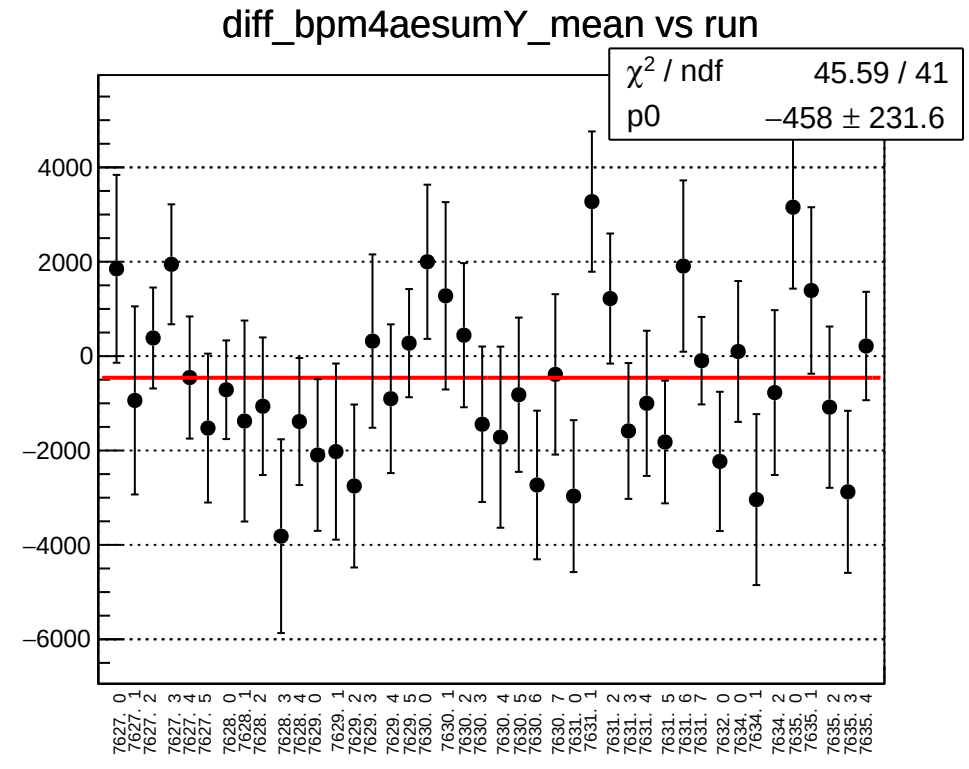

pull1D
Entries 42
Mean −0.01512
Std Dev 0.8158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

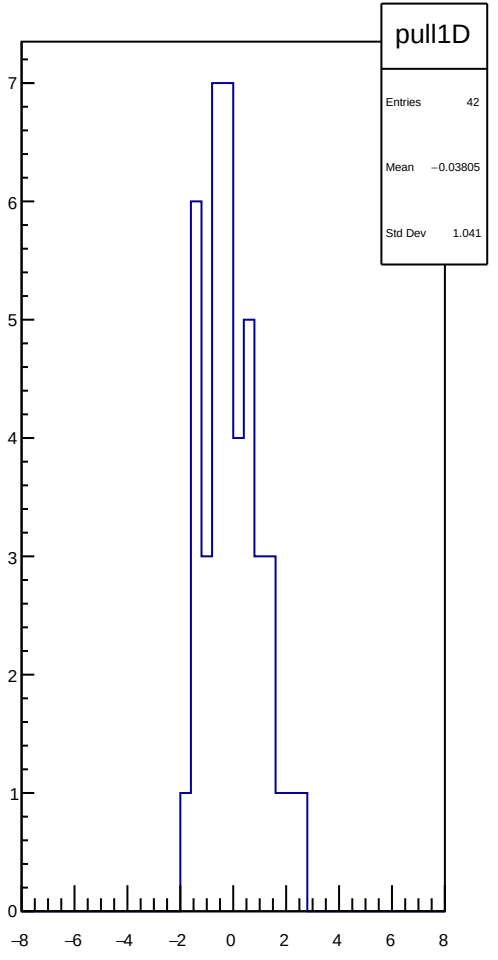

diff_bpm4aesumX_rms vs run
χ² / ndf 1.01e+04 / 41
p0 3.548e+04 ± 39.24
50000
48000
46000
44000
42000
40000
38000
36000
34000
32000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

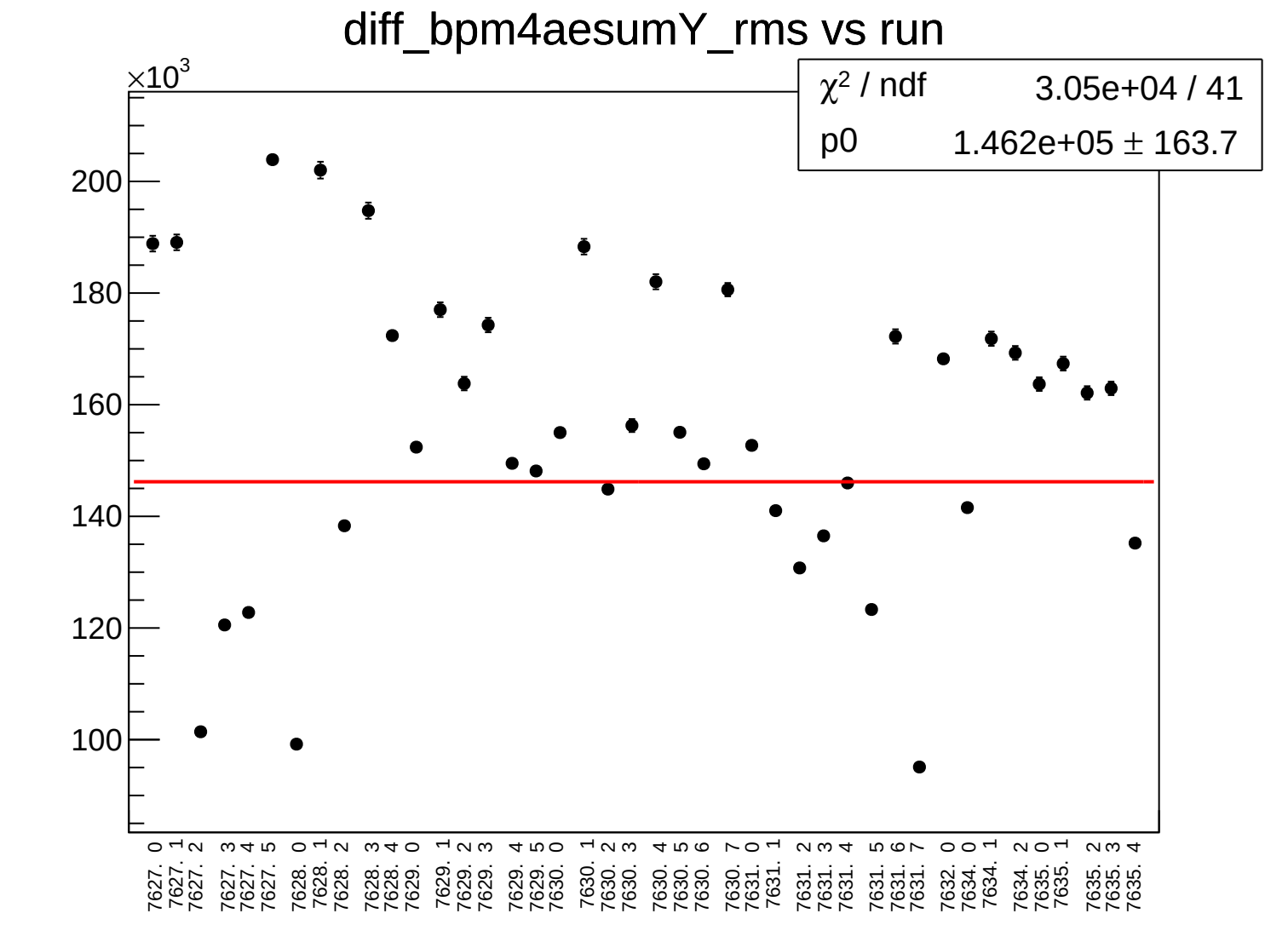

diff_bpm4aediffX_mean vs run
χ² / ndf 28.02 / 41
p0 −8.358 ± 38.38
pull
Entries 42
Mean 121.3
Std Dev 0

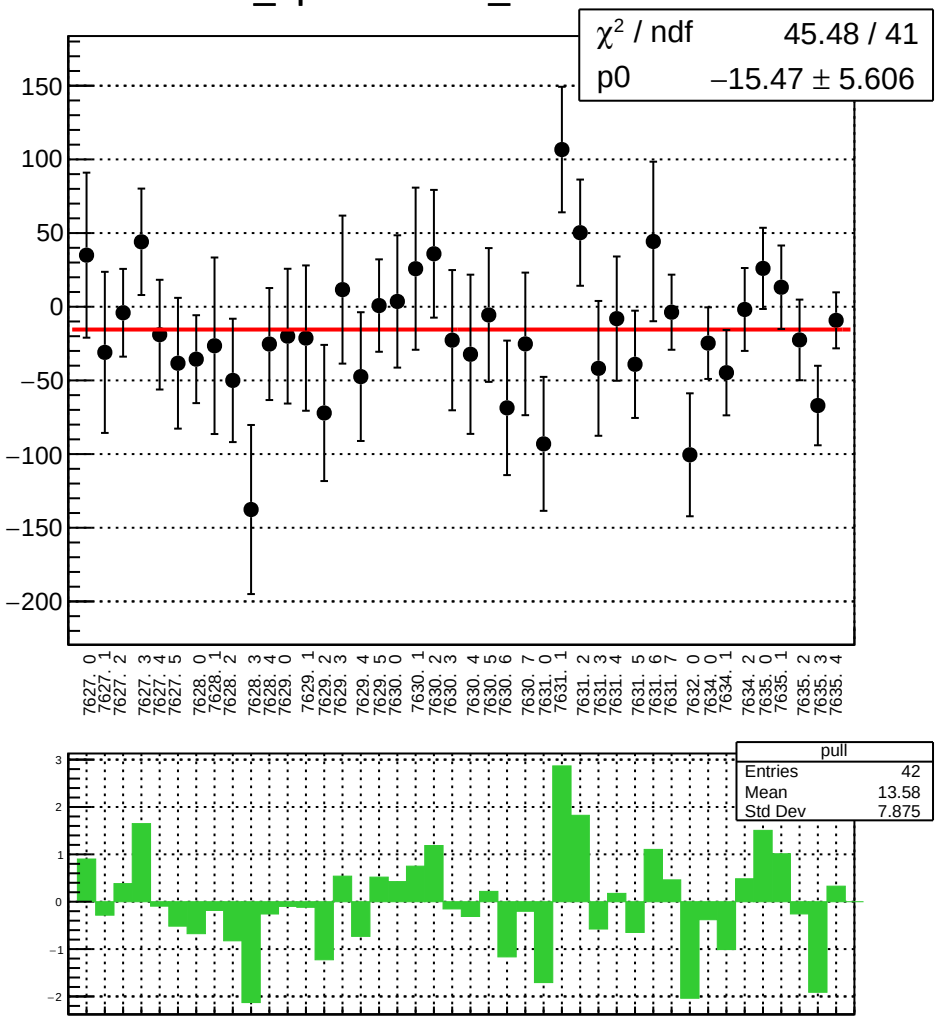

pull1D
Entries 42
Mean 0.01428
Std Dev 0.8167

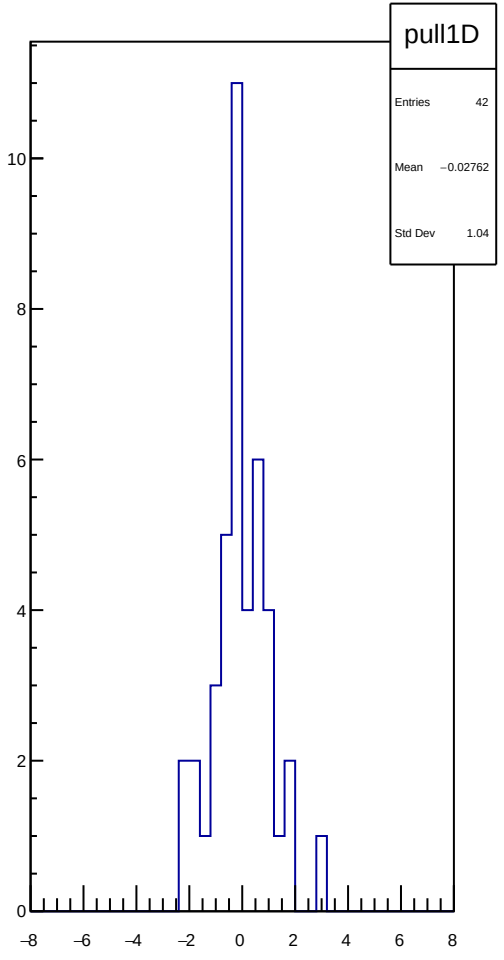

diff_bpm4aediffX_rms vs run
χ² / ndf 9259 / 41
p0 2.455e+04 ± 27.14
34000
32000
30000
28000
26000
24000
22000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

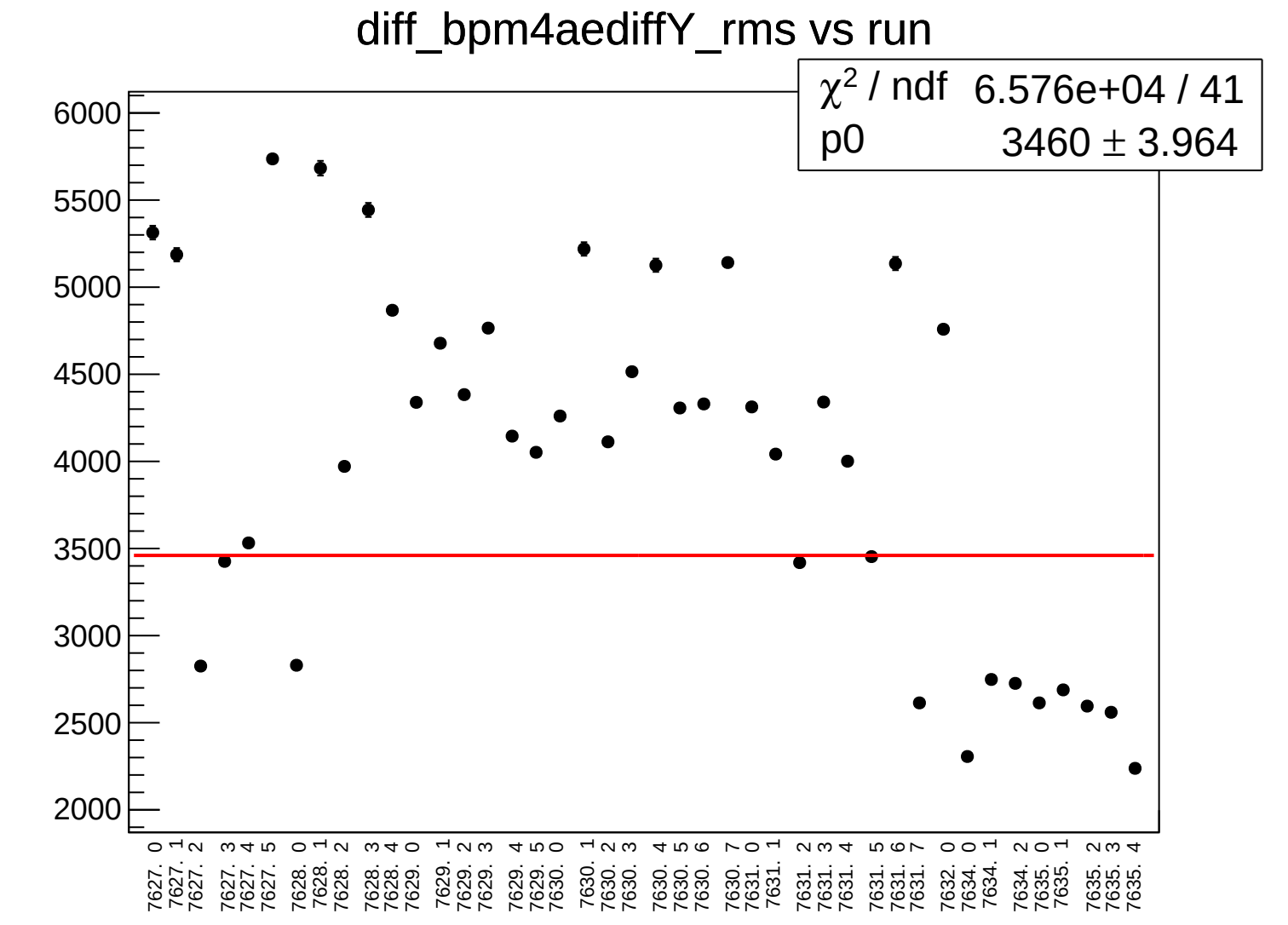

diff_bpm4aesumY_mean vs run
χ² / ndf 45.59 / 41
p0 −458 ± 231.6
4000
2000
0
−2000
−4000
−6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

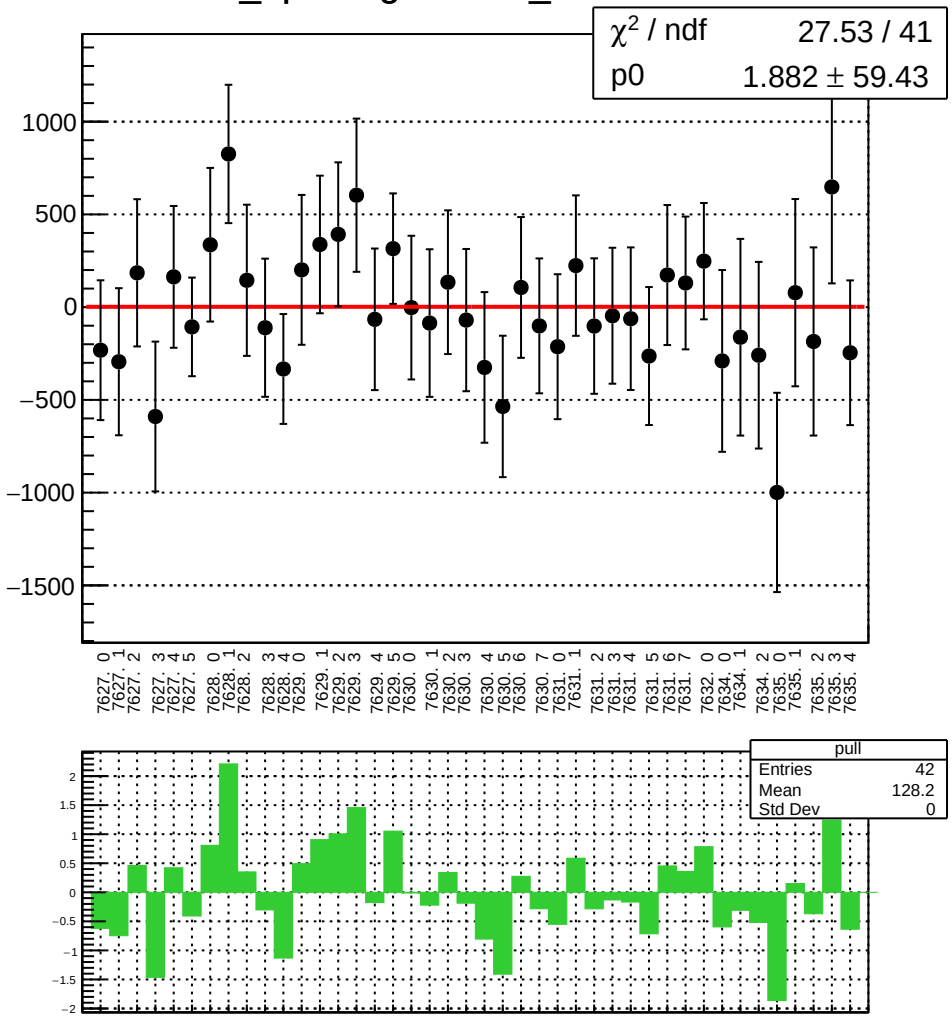

pull1D
Entries 42
Mean −0.03805
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

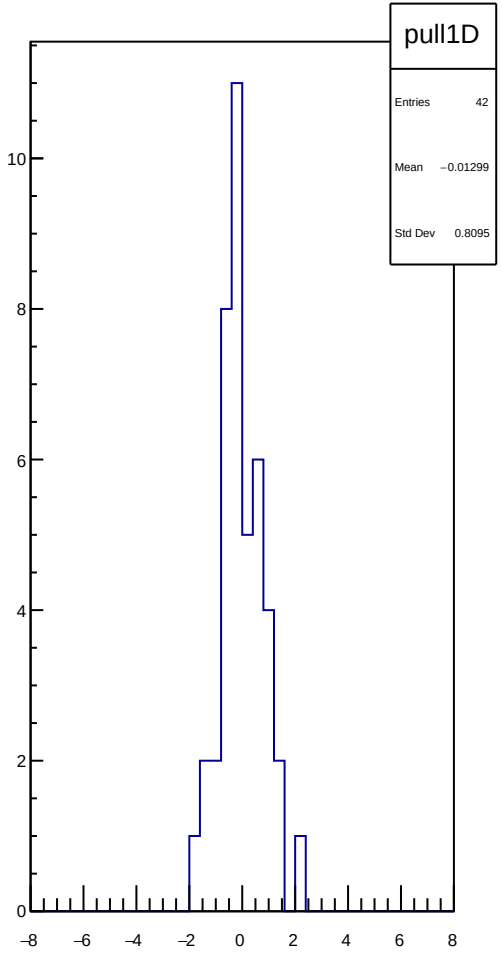

diff_bpm4aesumY_rms vs run
×10^3
χ² / ndf 3.05e+04 / 41
p0 1.462e+05 ± 163.7
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

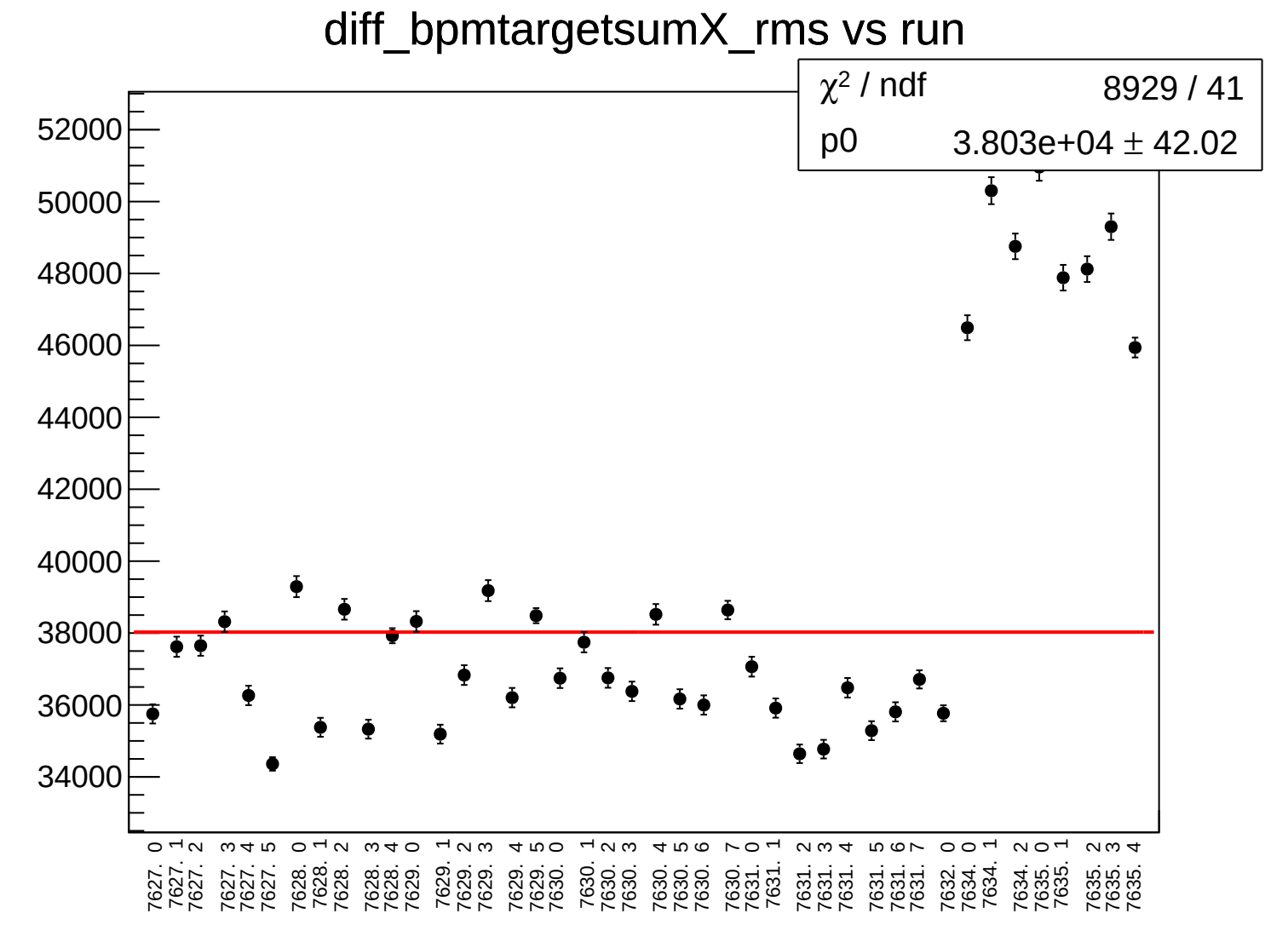

diff_bpm4aediffY_mean vs run
χ² / ndf 45.48 / 41
p0 −15.47 ± 5.606
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 13.58
Std Dev 7.875
3
2
1
0
−1
−2

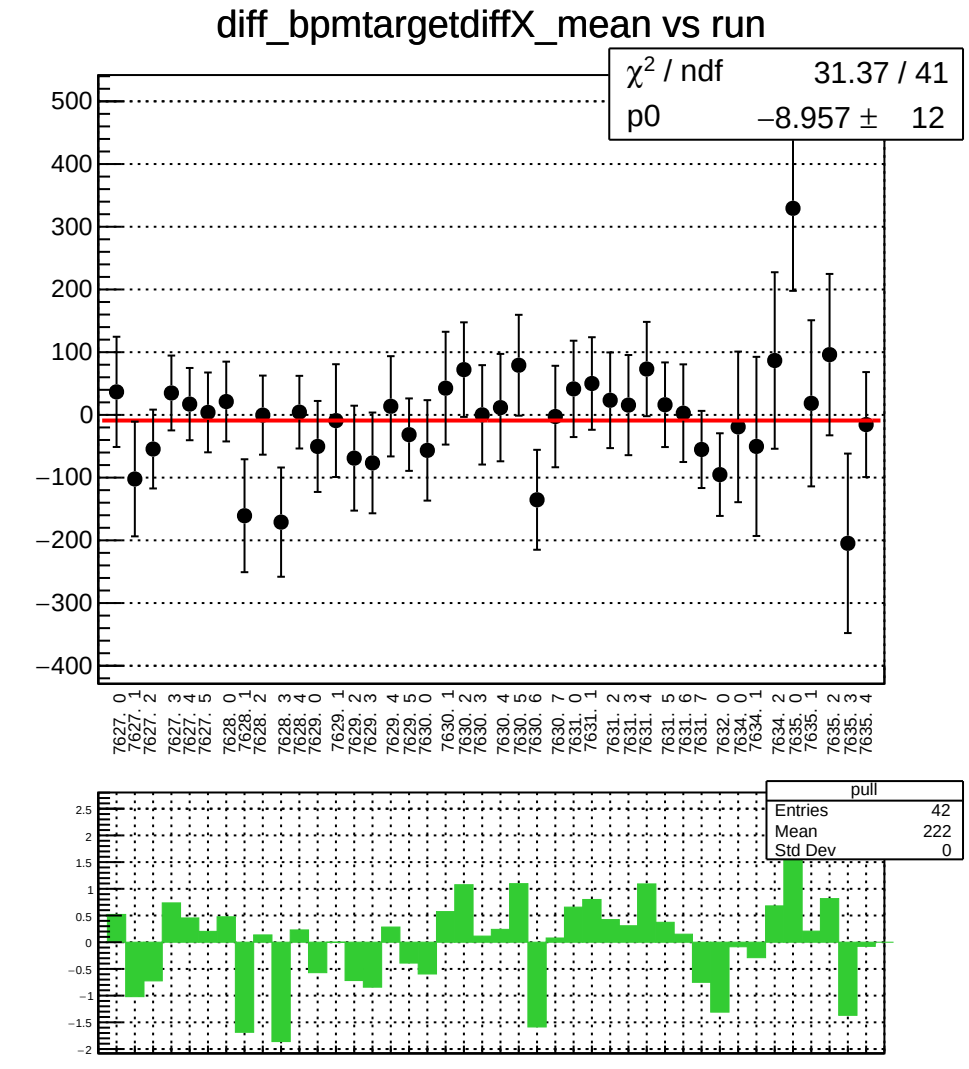

pull1D
Entries 42
Mean −0.02762
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

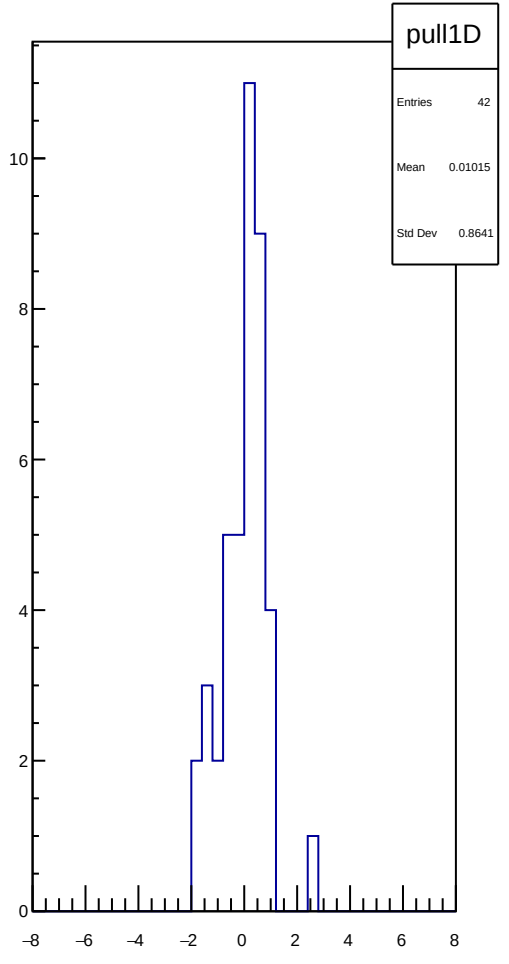

diff_bpm4aediffY_rms vs run
χ² / ndf 6.576e+04 / 41
p0 3460 ± 3.964
6000
5500
5000
4500
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

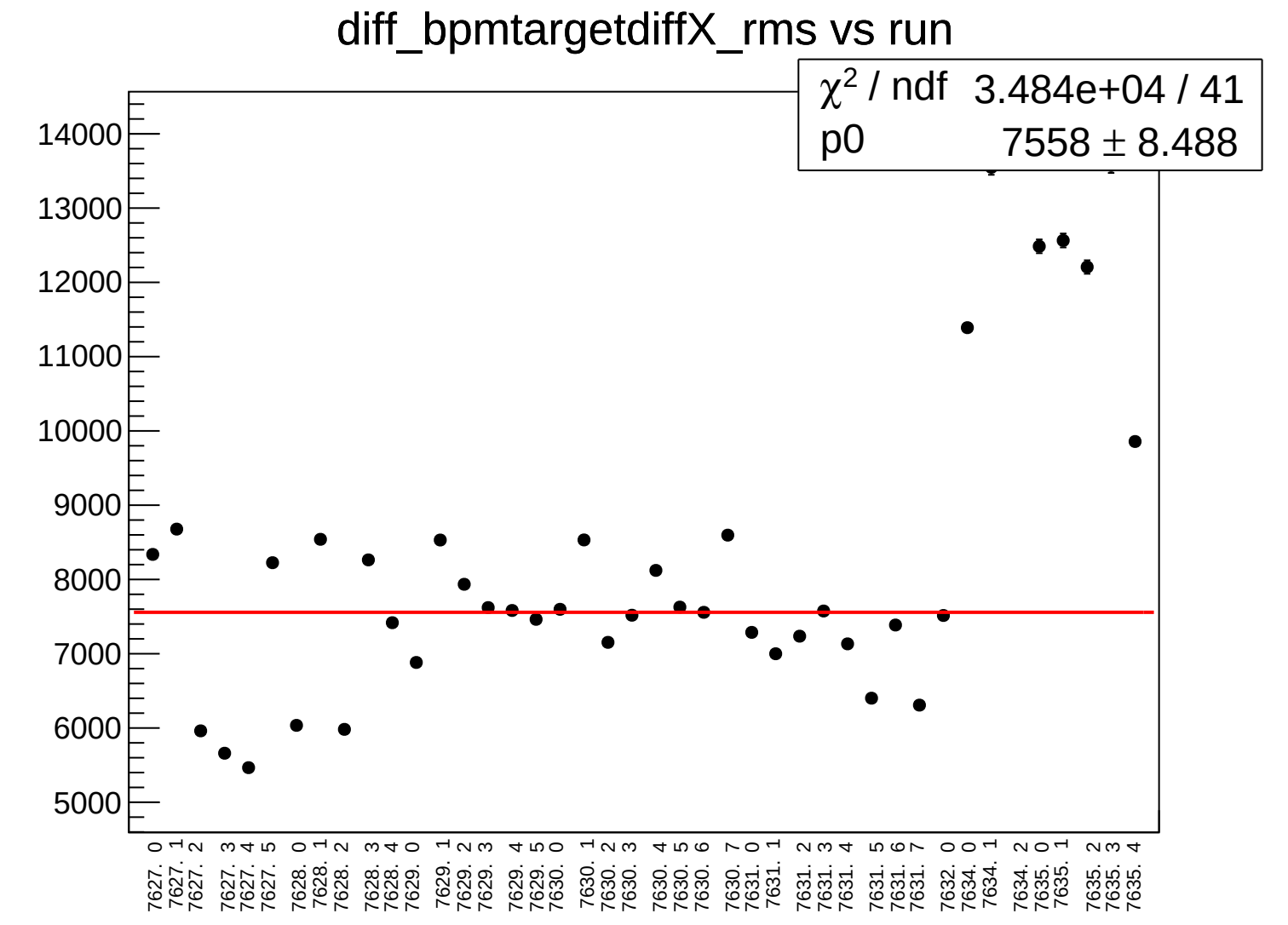

diff_bpmtargetsumX_mean vs run
χ^2 / ndf 27.53 / 41
p0 1.882 ± 59.43
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 128.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

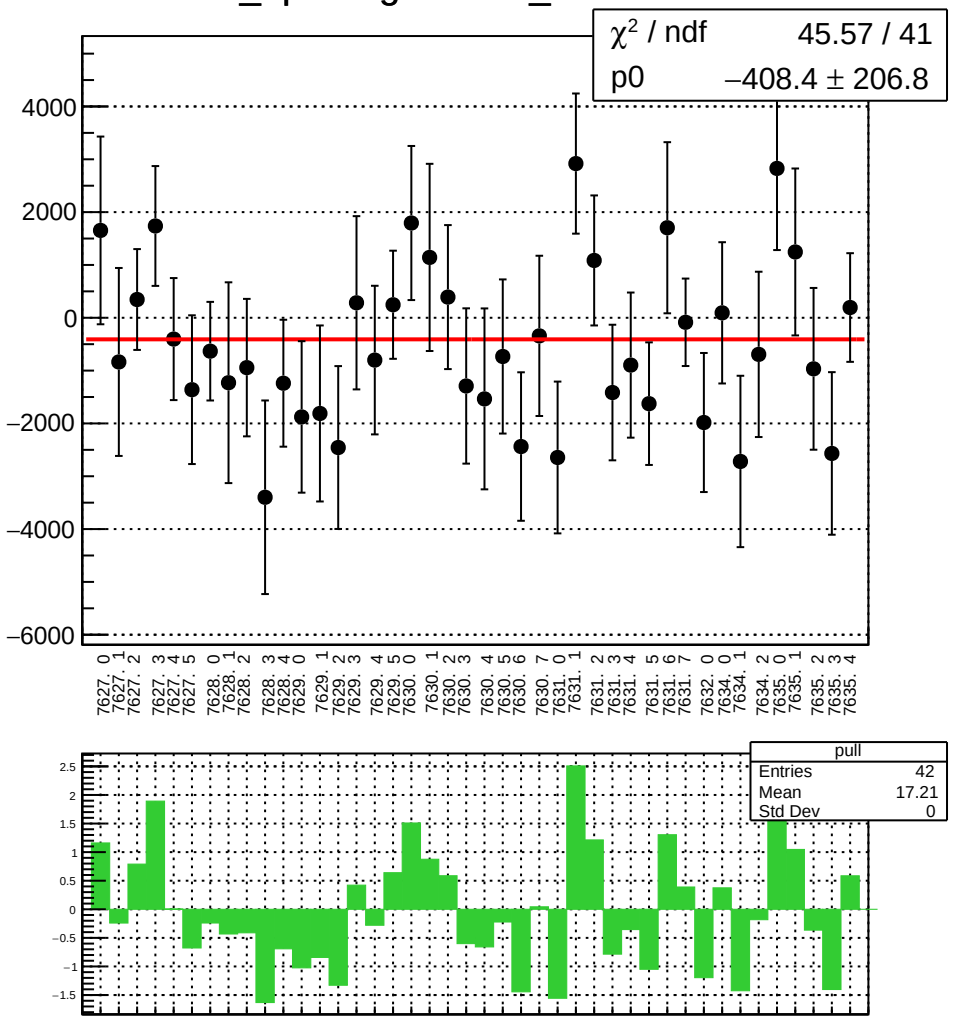

pull1D
Entries 42
Mean −0.01299
Std Dev 0.8095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

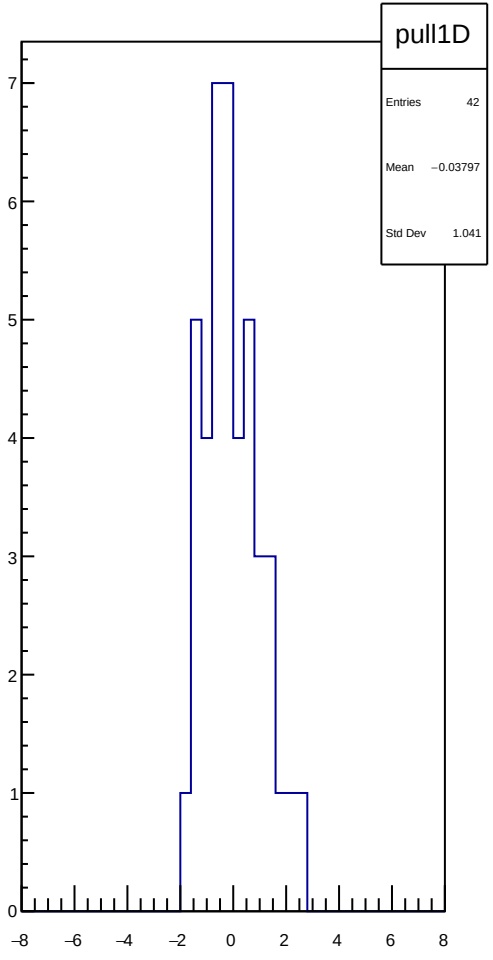

diff_bpmtargetsumX_rms vs run
χ² / ndf 8929 / 41
p0 3.803e+04 ± 42.02
52000
50000
48000
46000
44000
42000
40000
38000
36000
34000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

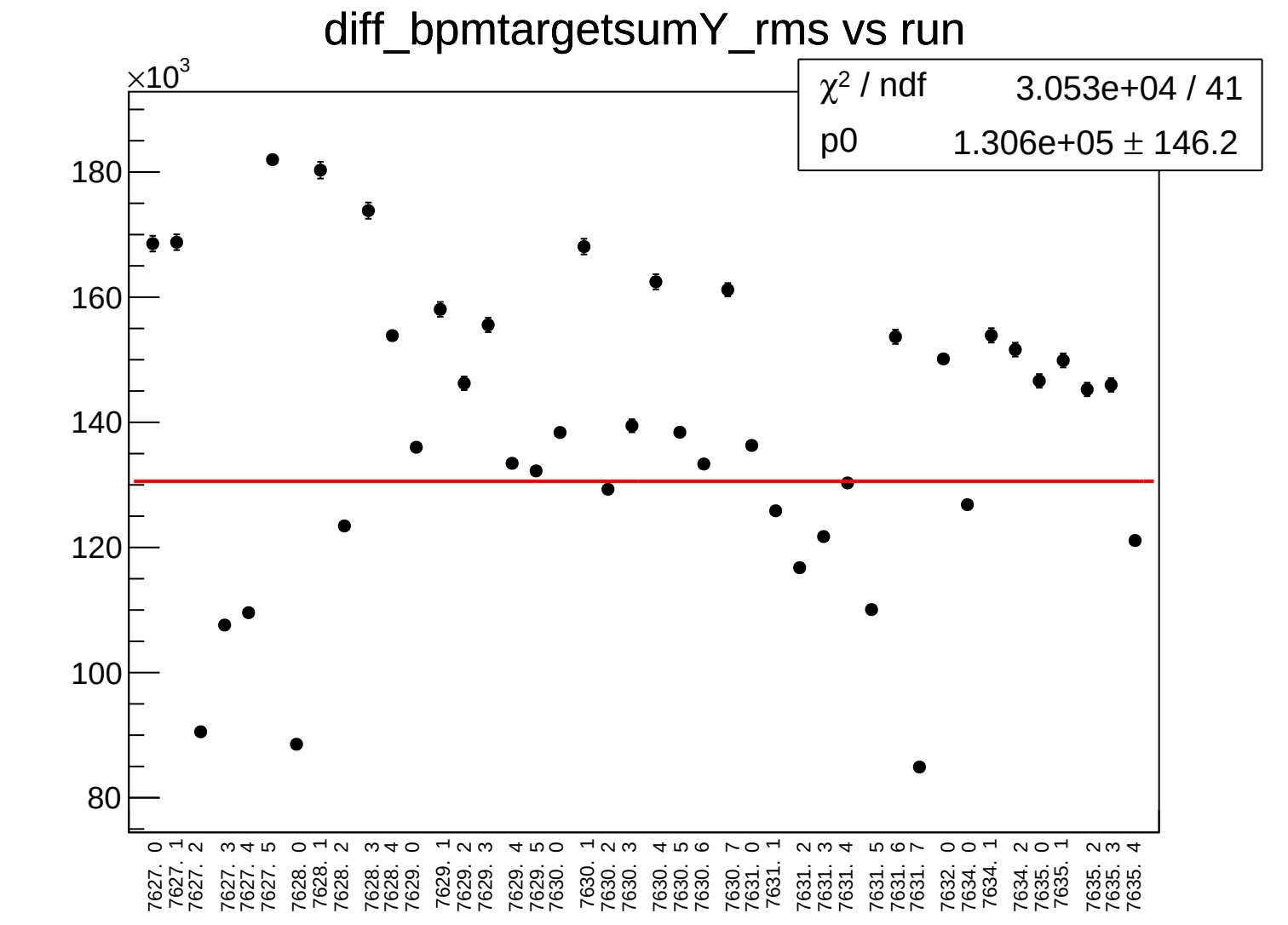

diff_bpmtargetdiffX_mean vs run
χ² / ndf 31.37 / 41
p0 −8.957 ± 12
pull
Entries 42
Mean 222
Std Dev 0

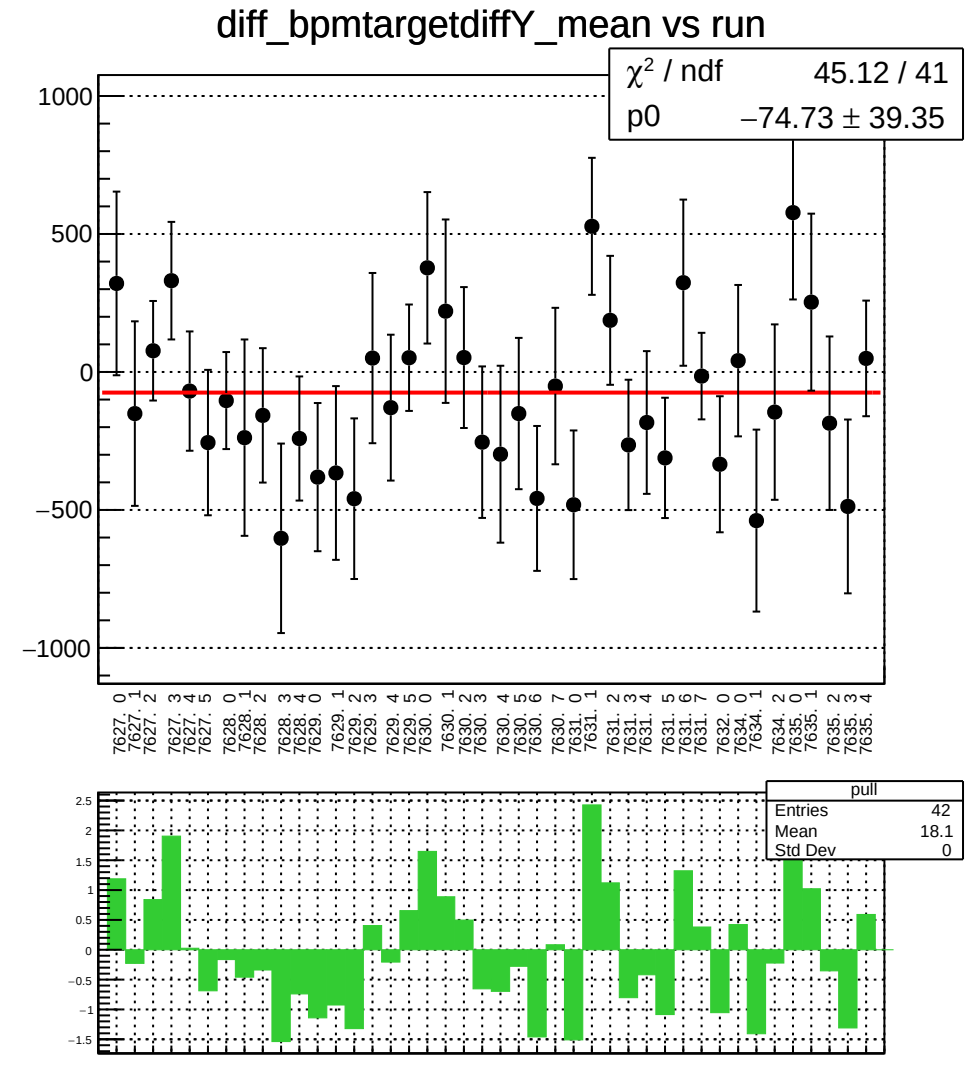

pull1D
Entries 42
Mean 0.01015
Std Dev 0.8641

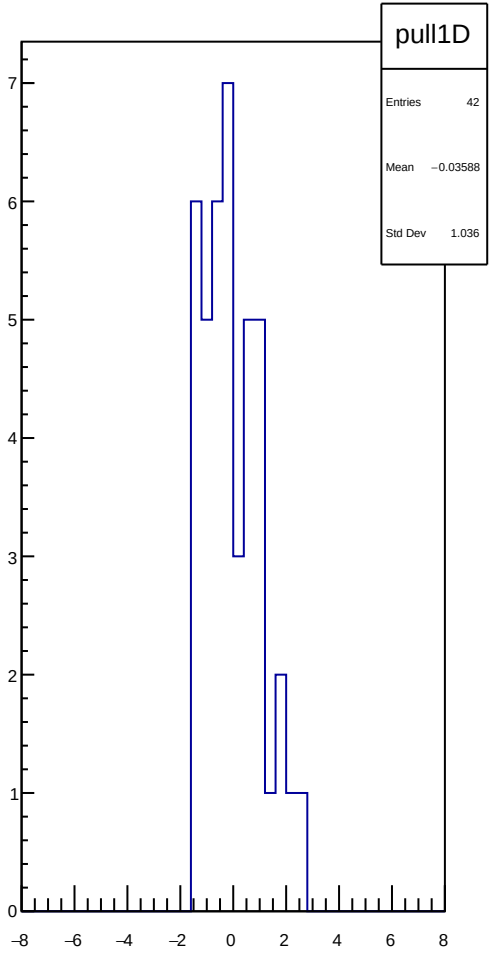

diff_bpmtargetdiffX_rms vs run
χ² / ndf 3.484e+04 / 41
p0 7558 ± 8.488
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

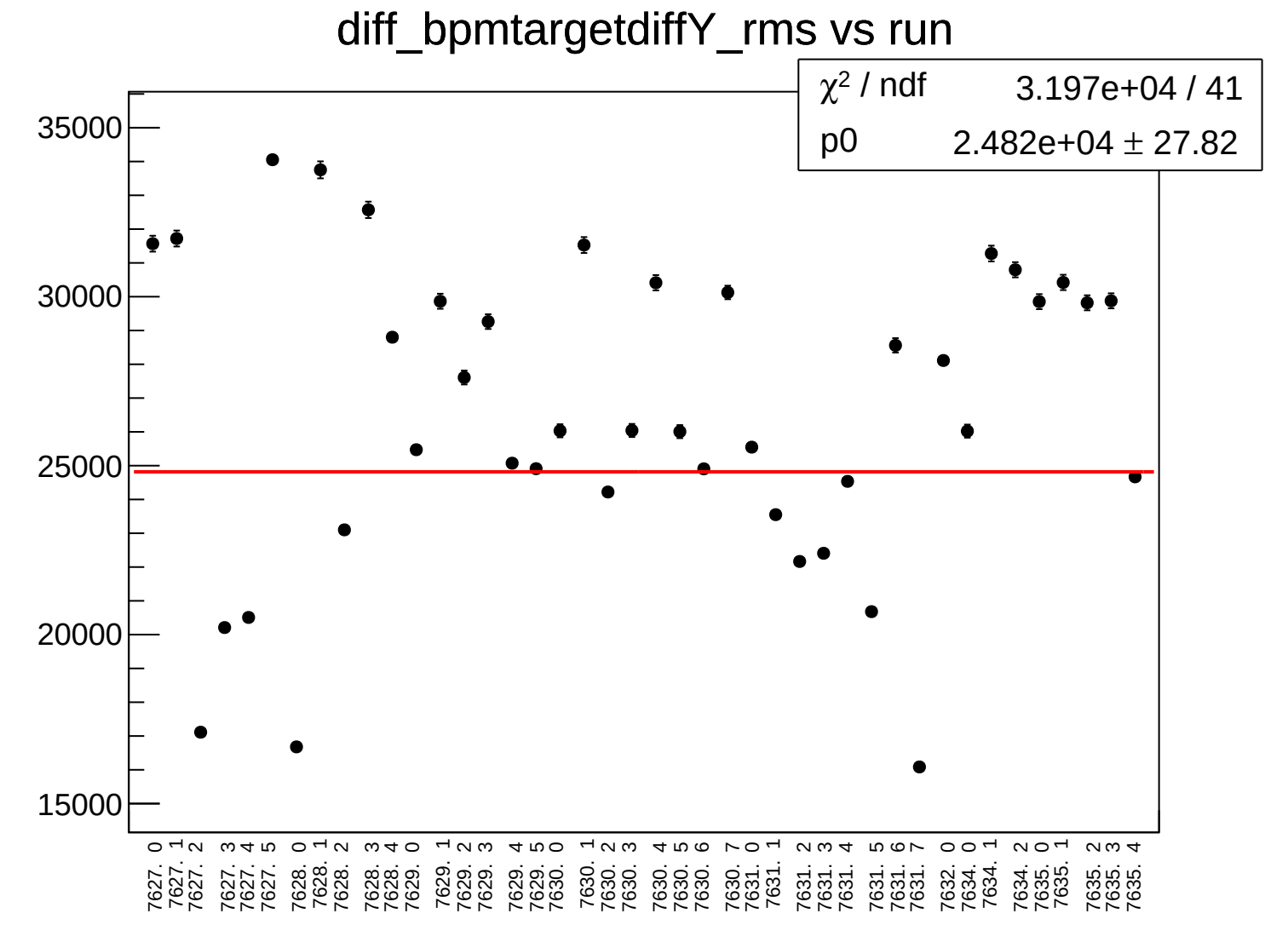

diff_bpmtargetsumY_mean vs run
χ² / ndf 45.57 / 41
p0 −408.4 ± 206.8
4000
2000
0
−2000
−4000
−6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

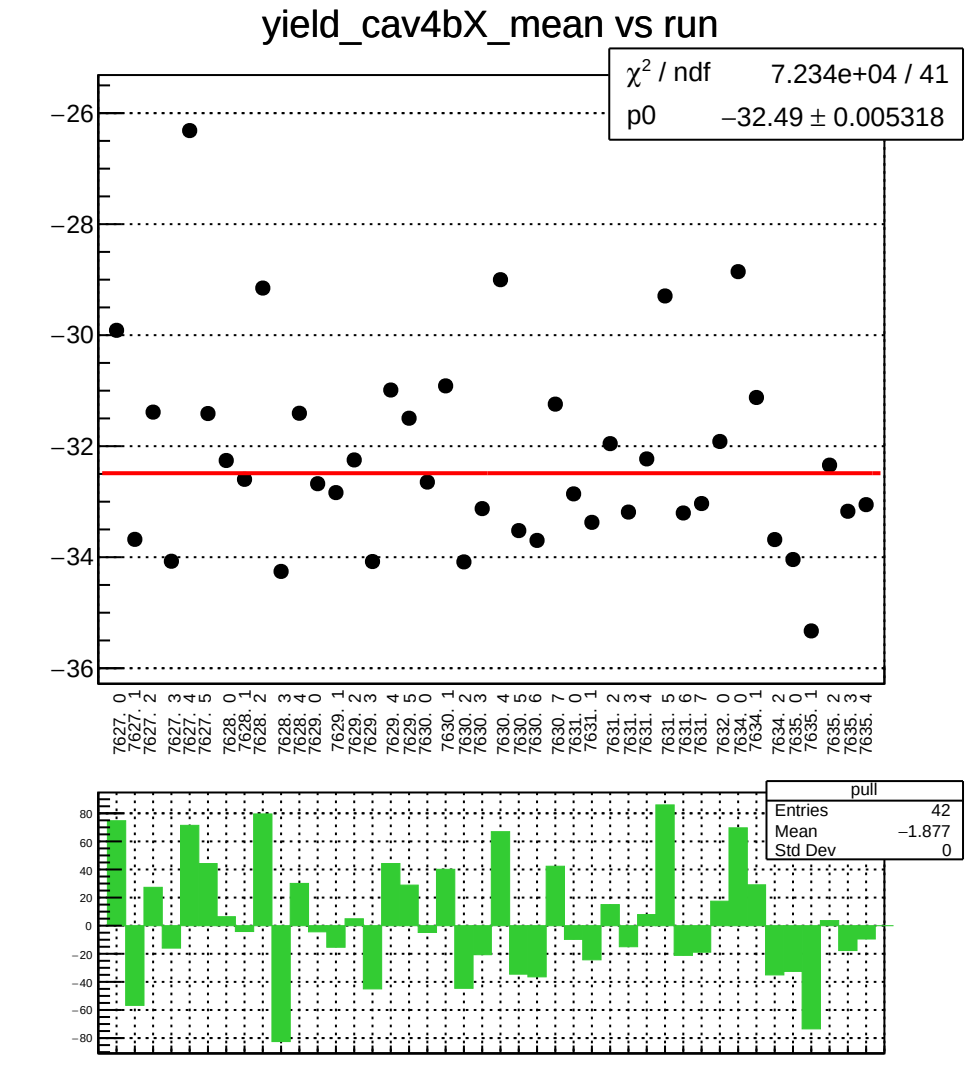

pull1D
Entries 42
Mean −0.03797
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

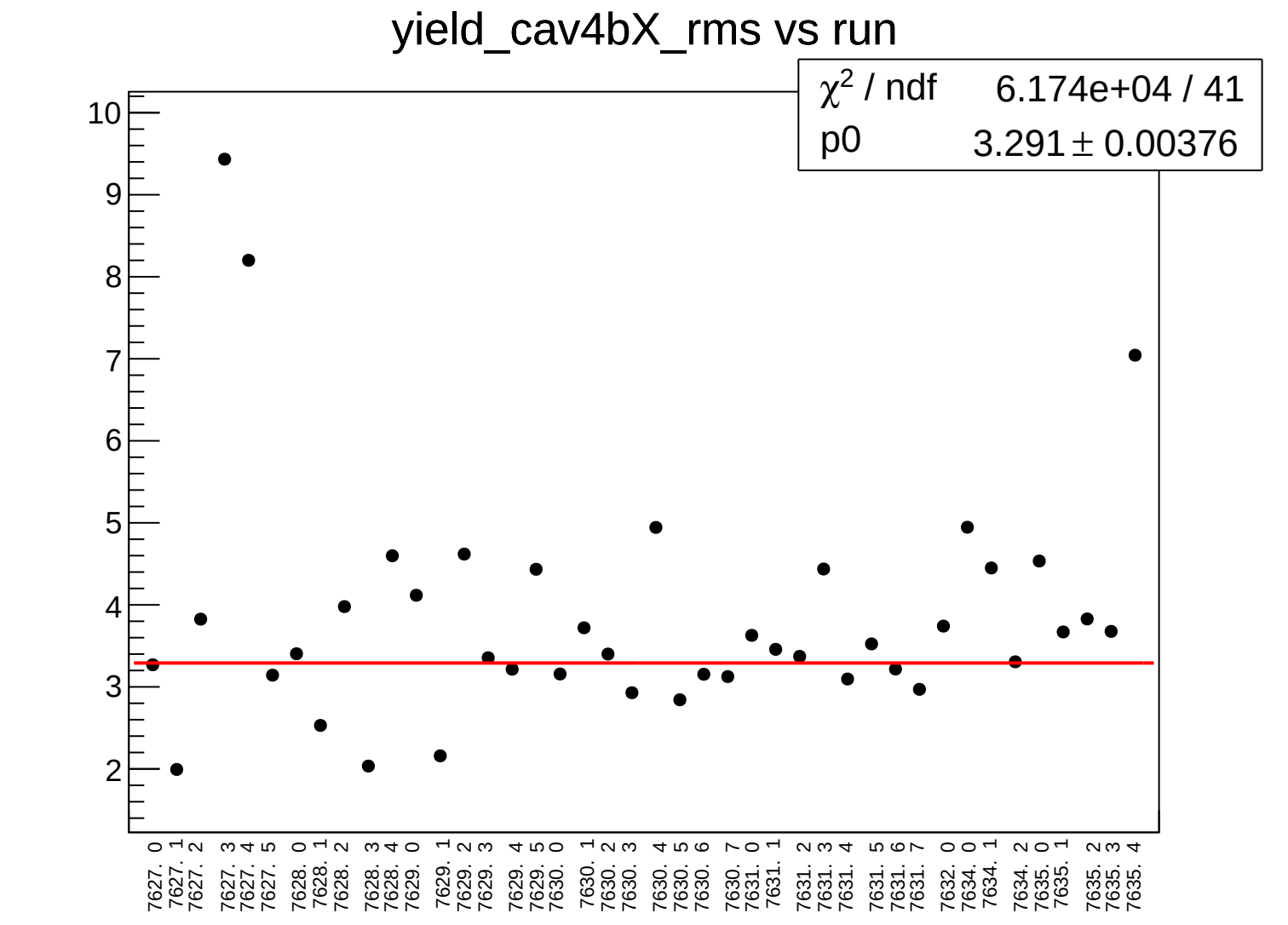

diff_bpmtargetsumY_rms vs run
×10^3
χ² / ndf 3.053e+04 / 41
p0 1.306e+05 ± 146.2
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

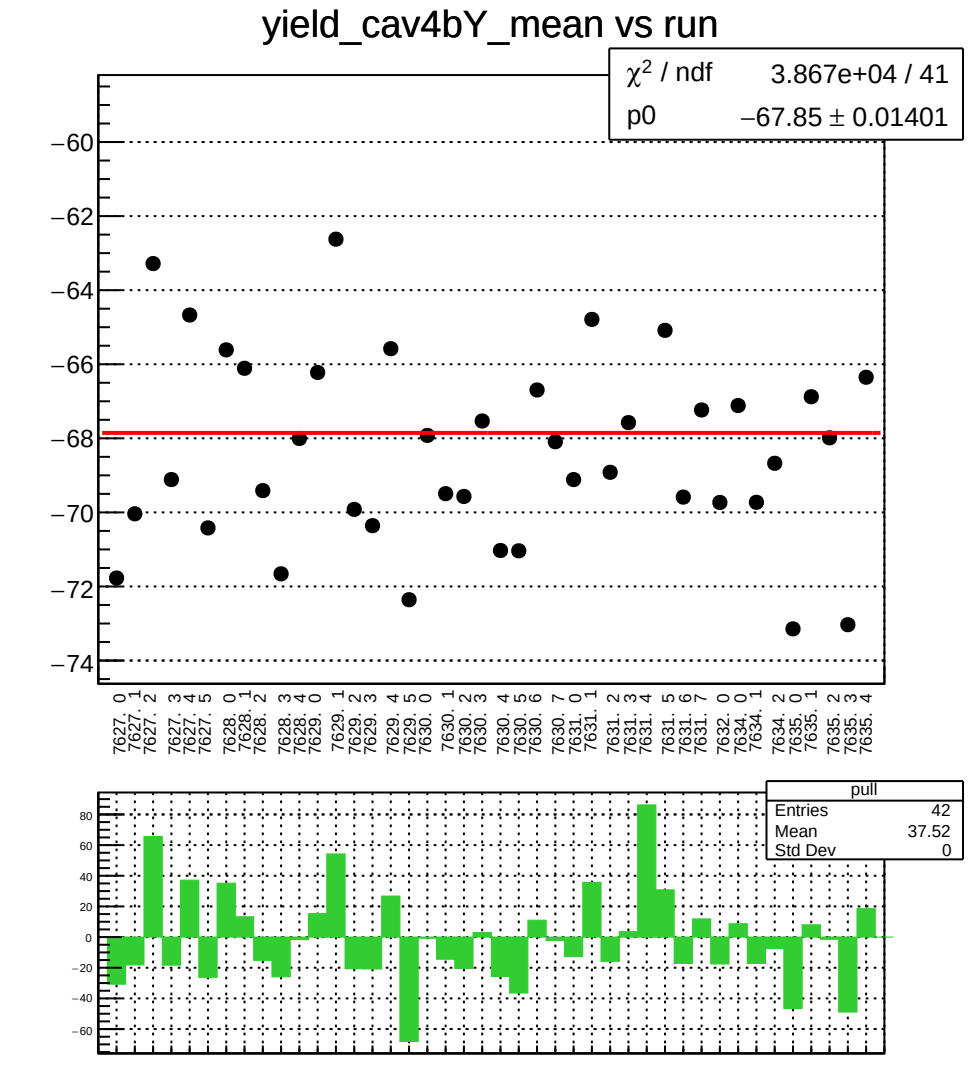

diff_bpmtargetdiffY_mean vs run
χ² / ndf 45.12 / 41
p0 −74.73 ± 39.35
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

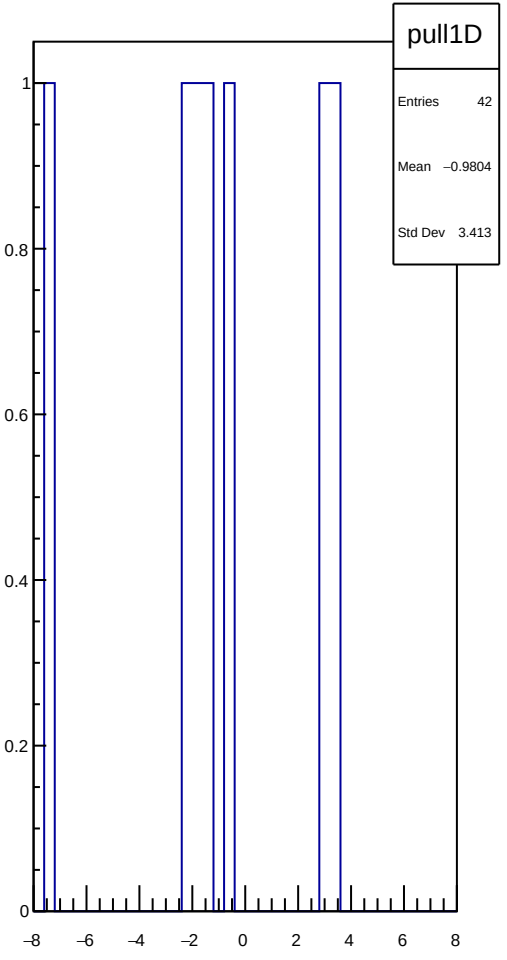

pull1D
Entries 42
Mean −0.03588
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

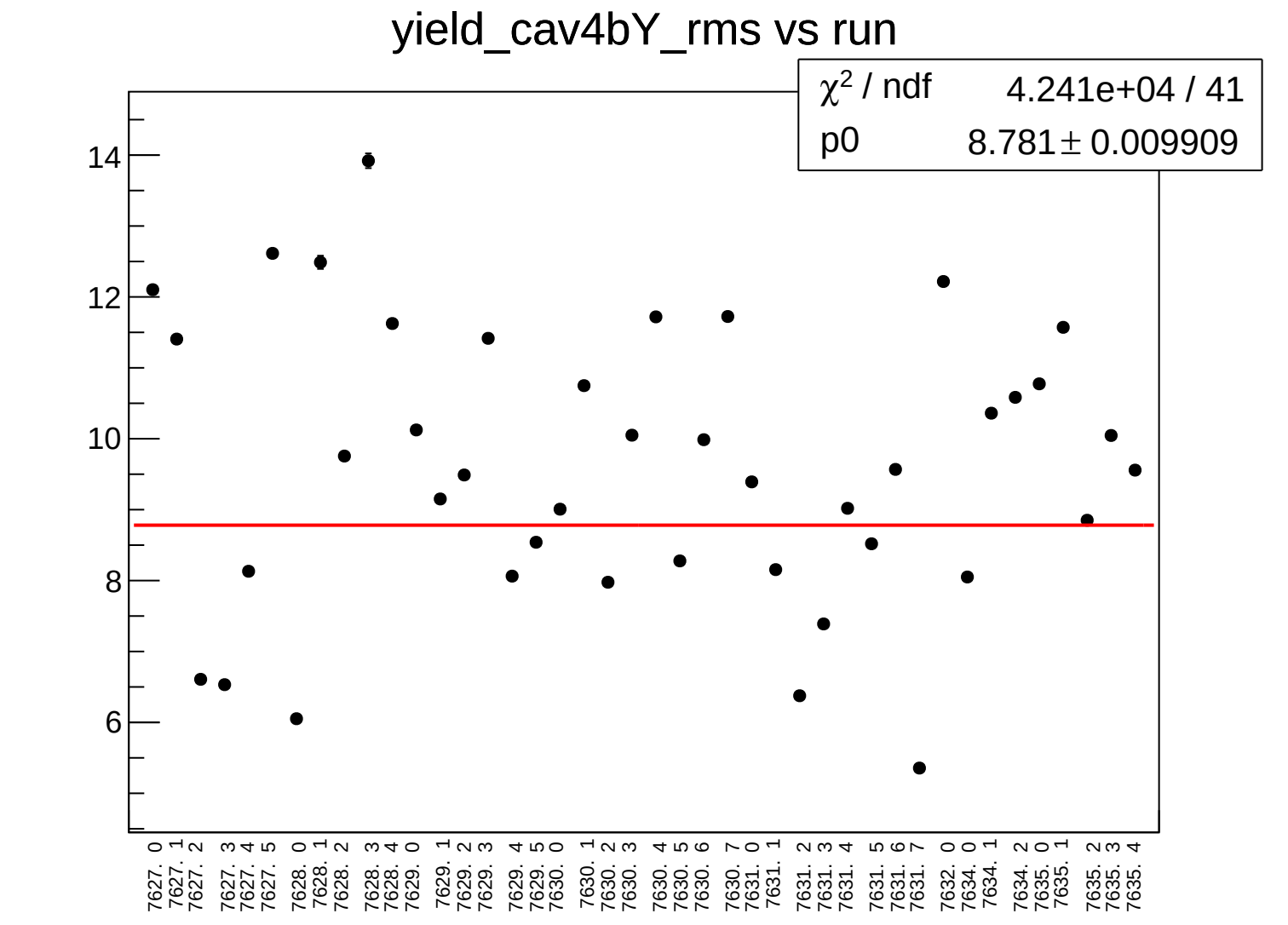

diff_bpmtargetdiffY_rms vs run
χ² / ndf 3.197e+04 / 41
p0 2.482e+04 ± 27.82
35000
30000
25000
20000
15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

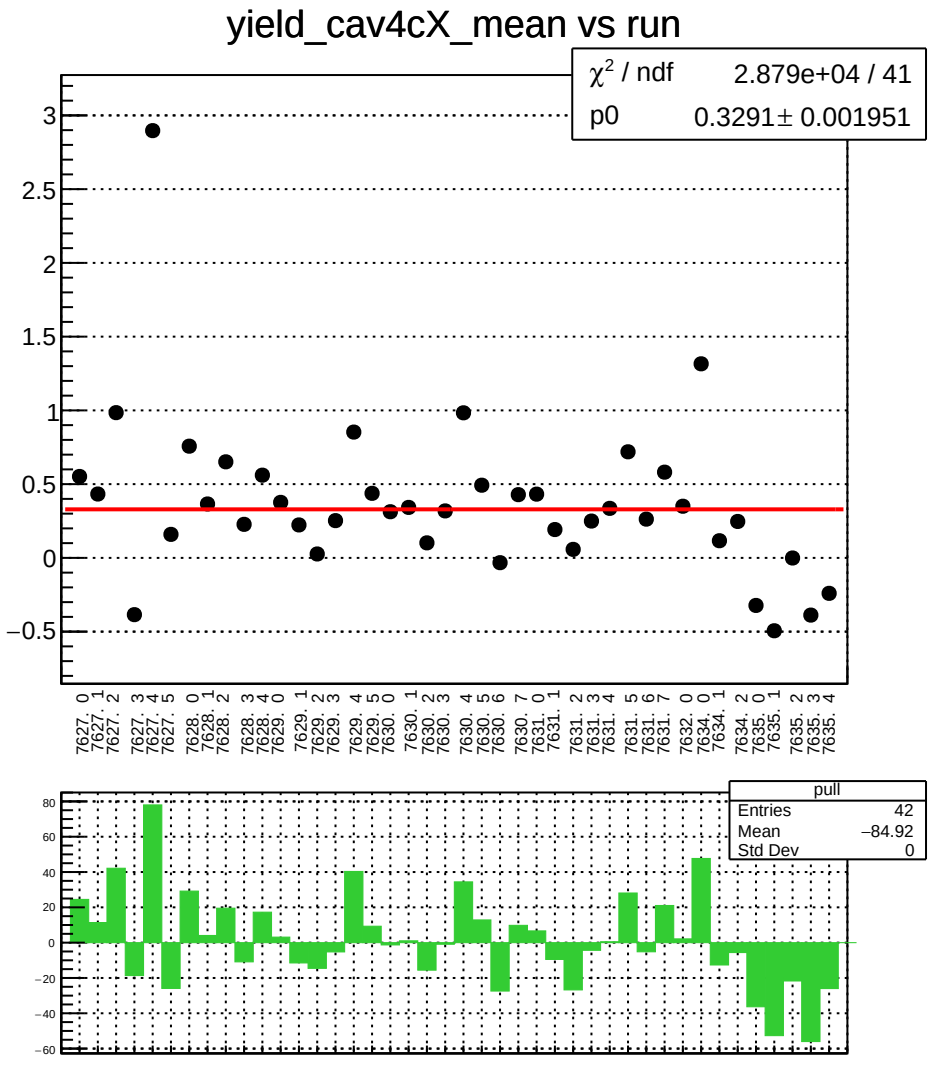

yield_cav4bX_mean vs run
χ² / ndf 7.234e+04 / 41
p0 −32.49 ± 0.005318
−26
−28
−30
−32
−34
−36
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.877
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 42
Mean 1.356
Std Dev 5.161
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

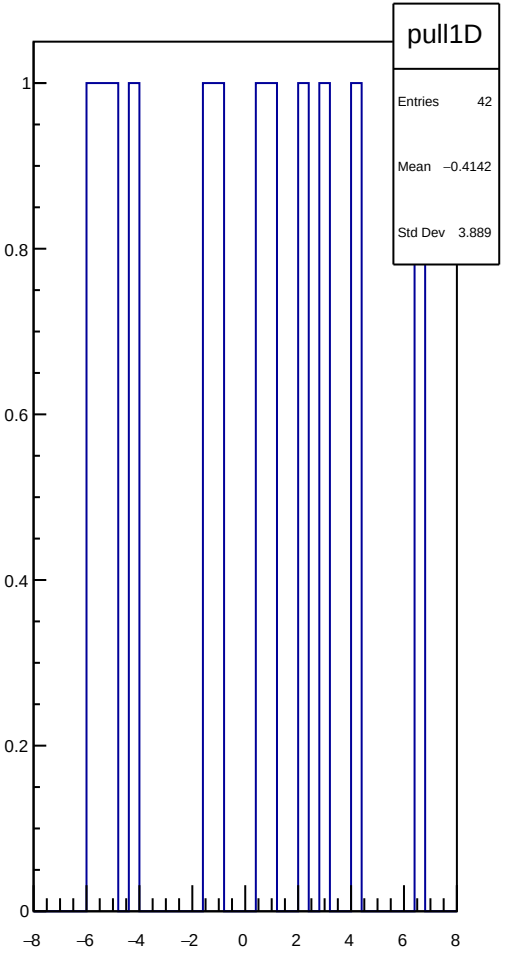

yield_cav4bX_rms vs run
χ^2 / ndf 6.174e+04 / 41
p0 3.291 ± 0.00376
10
9
8
7
6
5
4
3
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

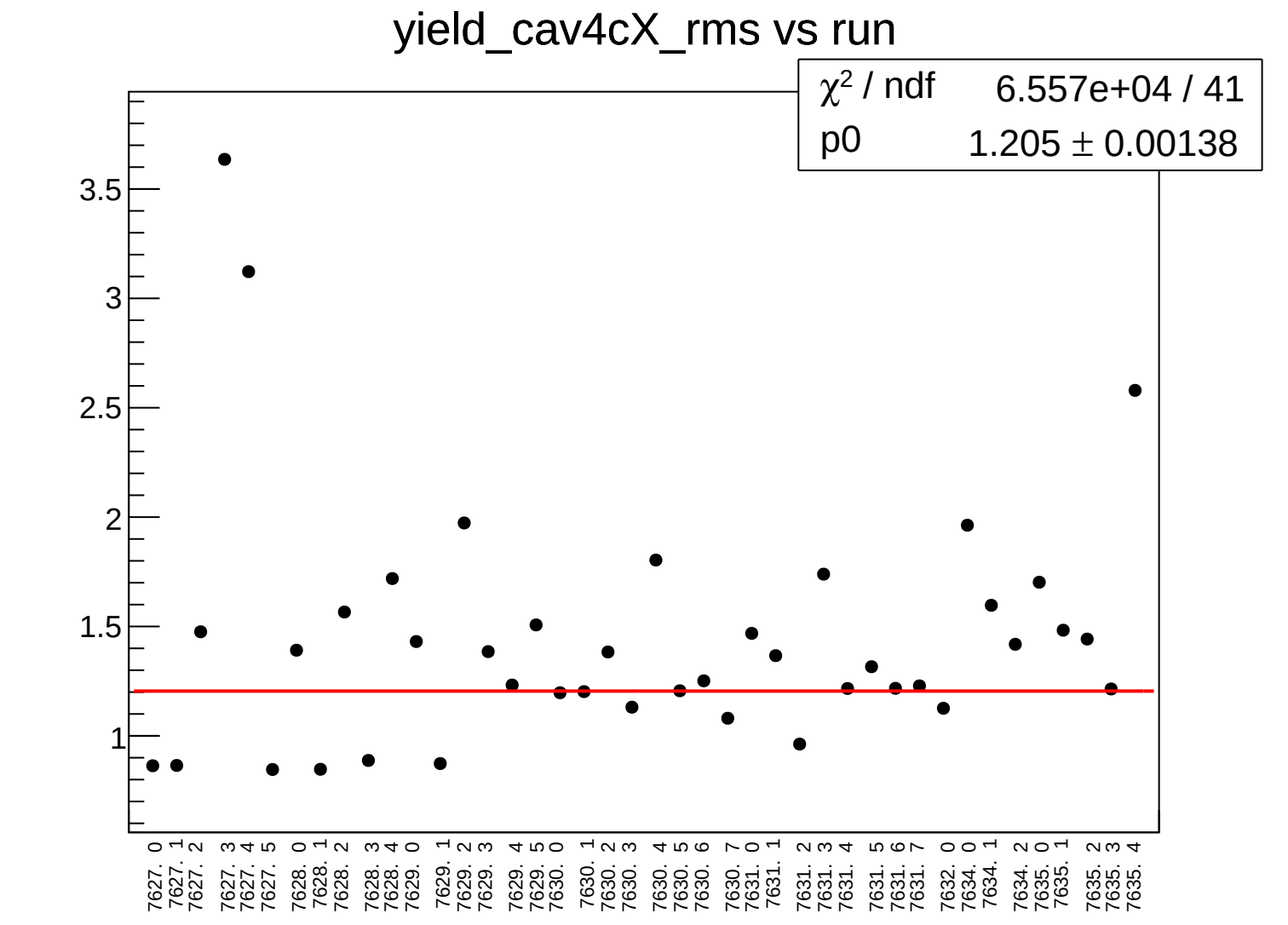

yield_cav4bY_mean vs run
χ² / ndf 3.867e+04 / 41
p0 −67.85 ± 0.01401
pull
Entries 42
Mean 37.52
Std Dev 0

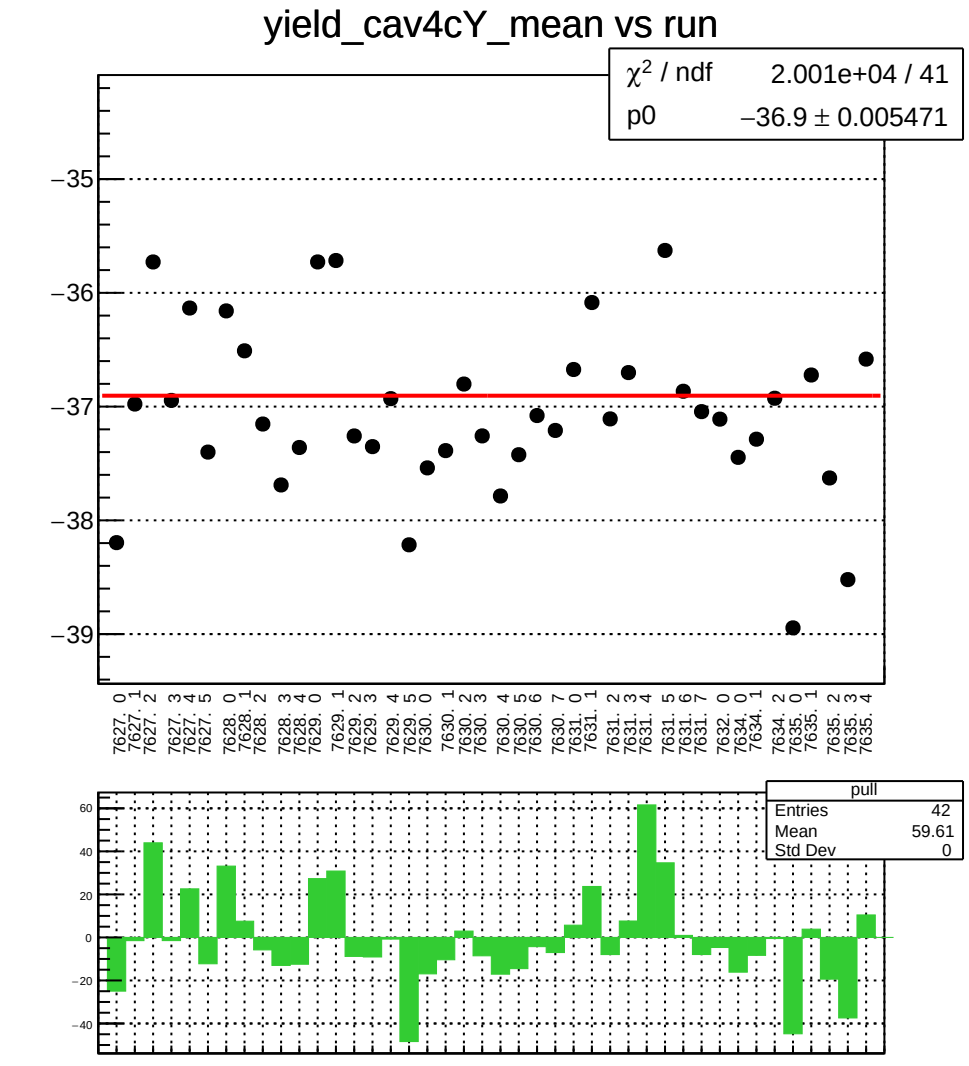

pull1D
Entries 42
Mean −0.9804
Std Dev 3.413

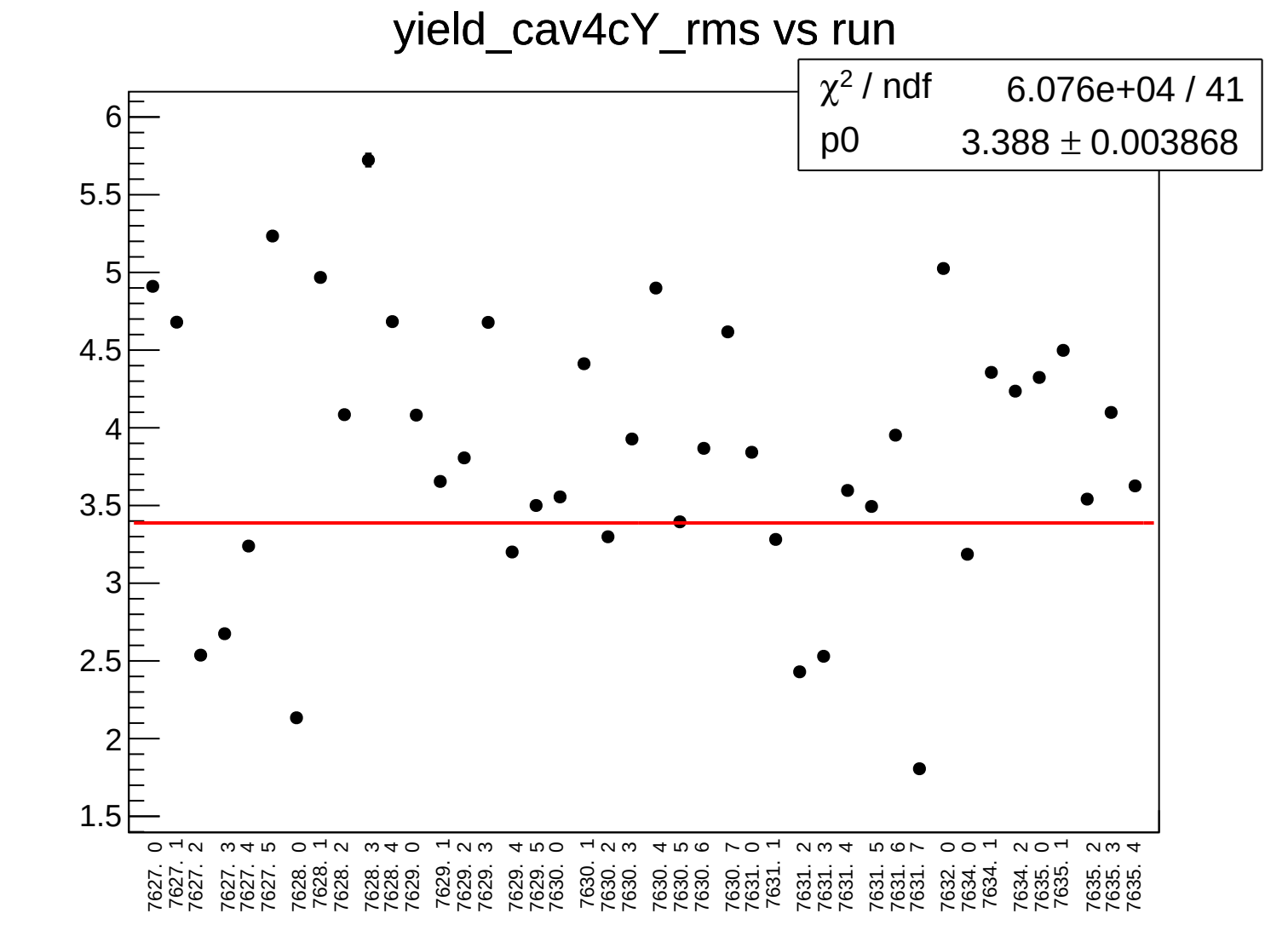

yield_cav4bY_rms vs run
χ^2 / ndf 4.241e+04 / 41
p0 8.781 ± 0.009909
14
12
10
8
6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

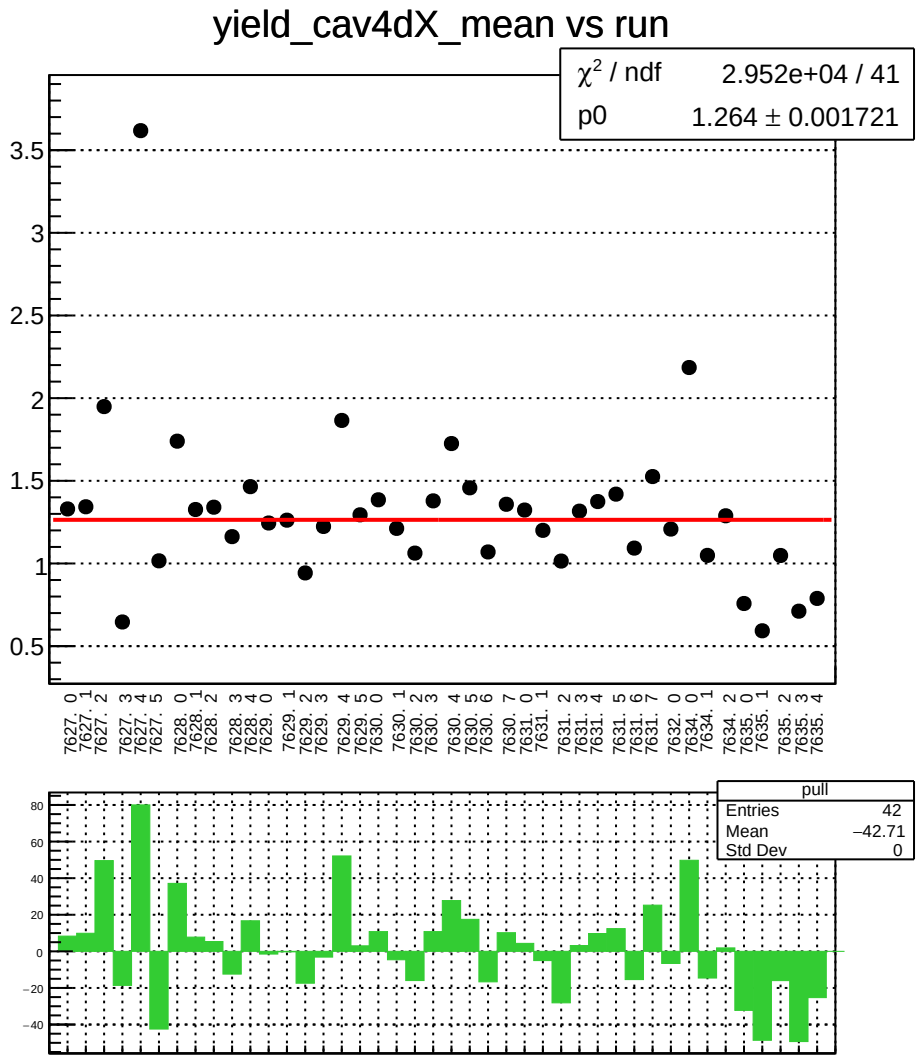

yield_cav4cX_mean vs run
χ² / ndf 2.879e+04 / 41
p0 0.3291± 0.001951
pull
Entries 42
Mean −84.92
Std Dev 0

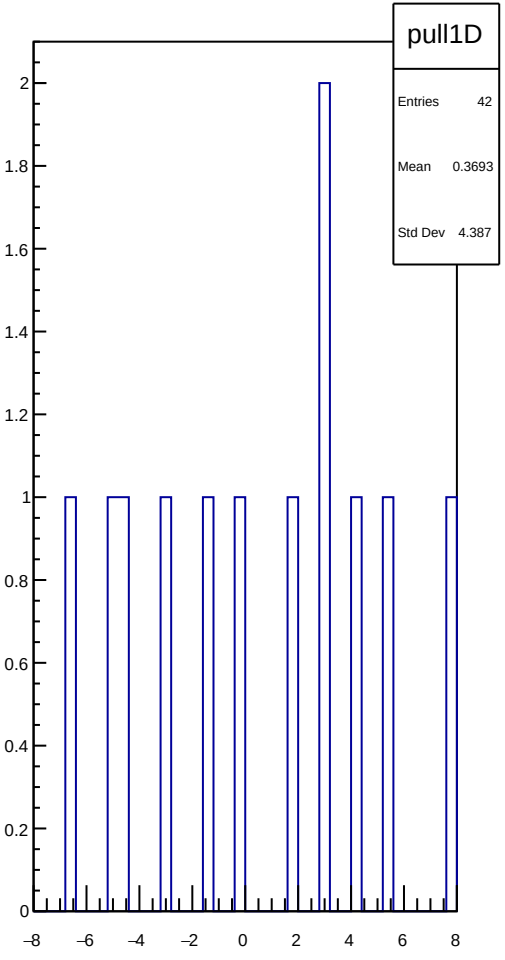

pull1D
Entries 42
Mean −0.4142
Std Dev 3.889

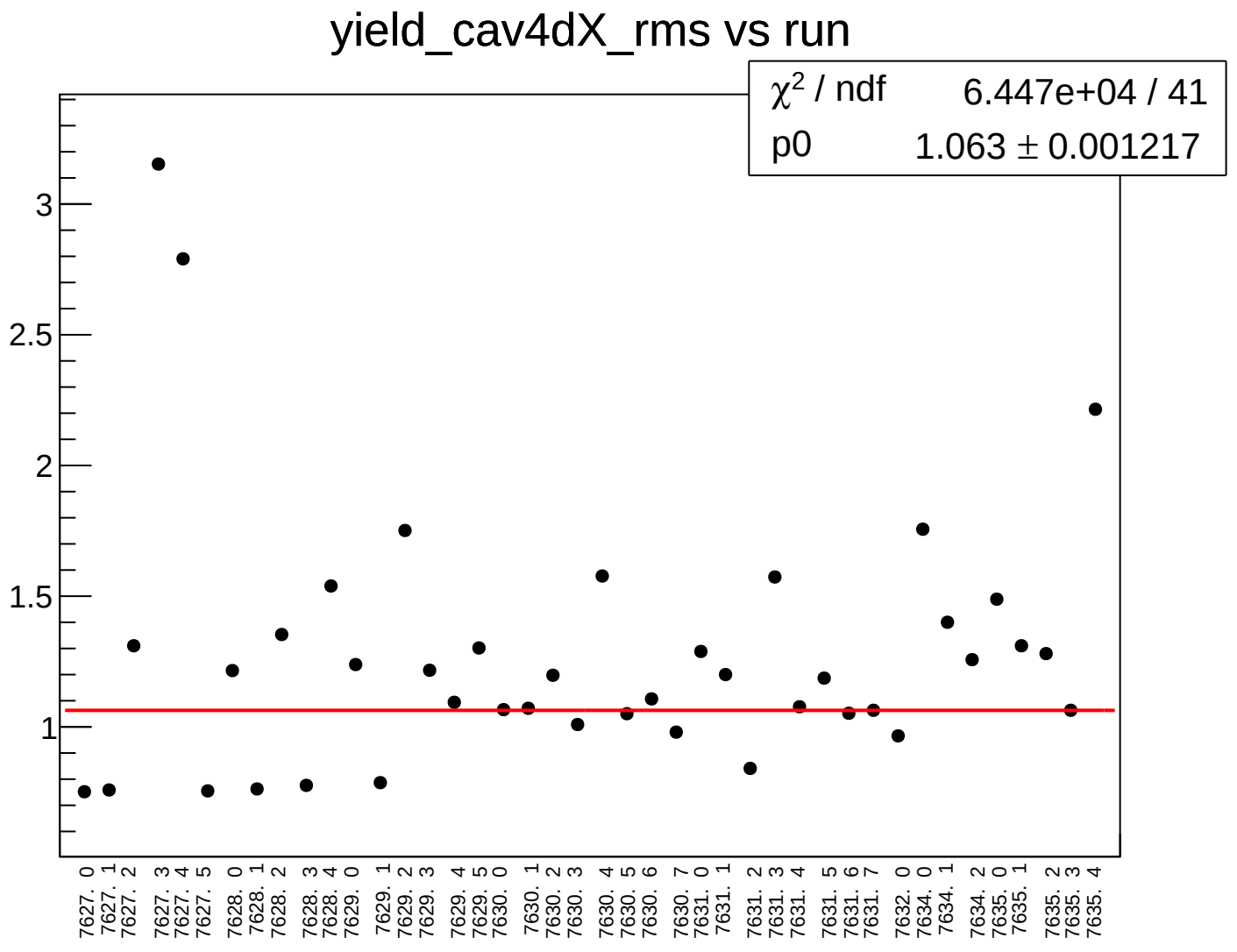

yield_cav4cX_rms vs run
χ² / ndf 6.557e+04 / 41
p0 1.205 ± 0.00138
3.5
3
2.5
2
1.5
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

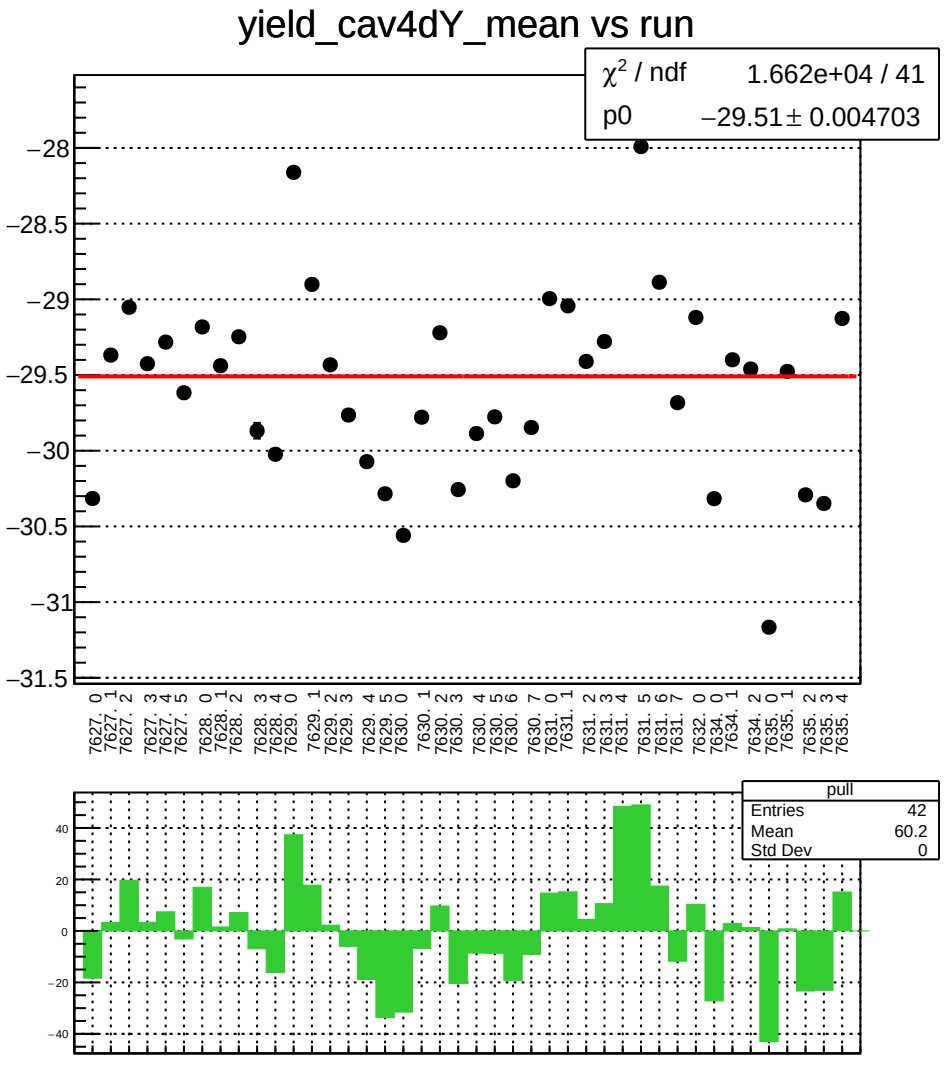

yield_cav4cY_mean vs run
χ² / ndf 2.001e+04 / 41
p0 −36.9 ± 0.005471
−35
−36
−37
−38
−39
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 59.61
Std Dev 0
60
40
20
0
−20
−40
pull1D
Entries 42
Mean −0.8331
Std Dev 5.094
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

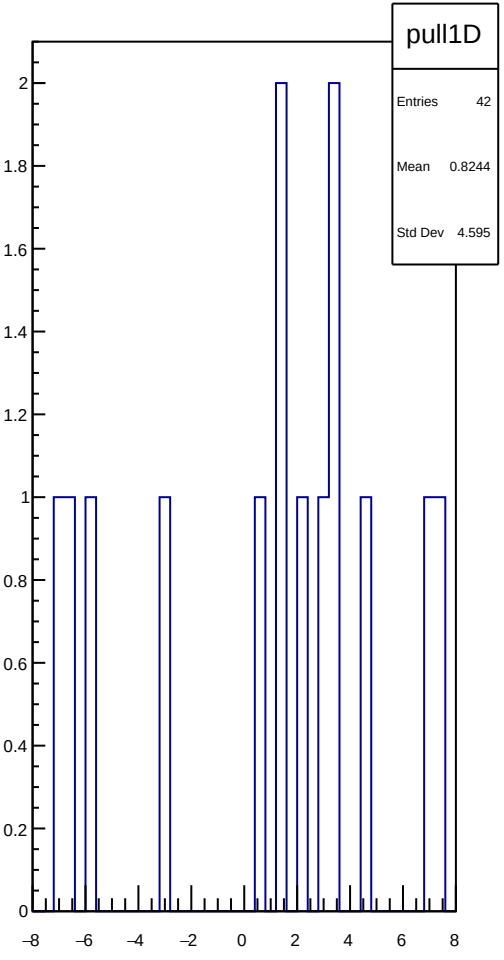

yield_cav4cY_rms vs run
χ^2 / ndf 6.076e+04 / 41
p0 3.388 ± 0.003868
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

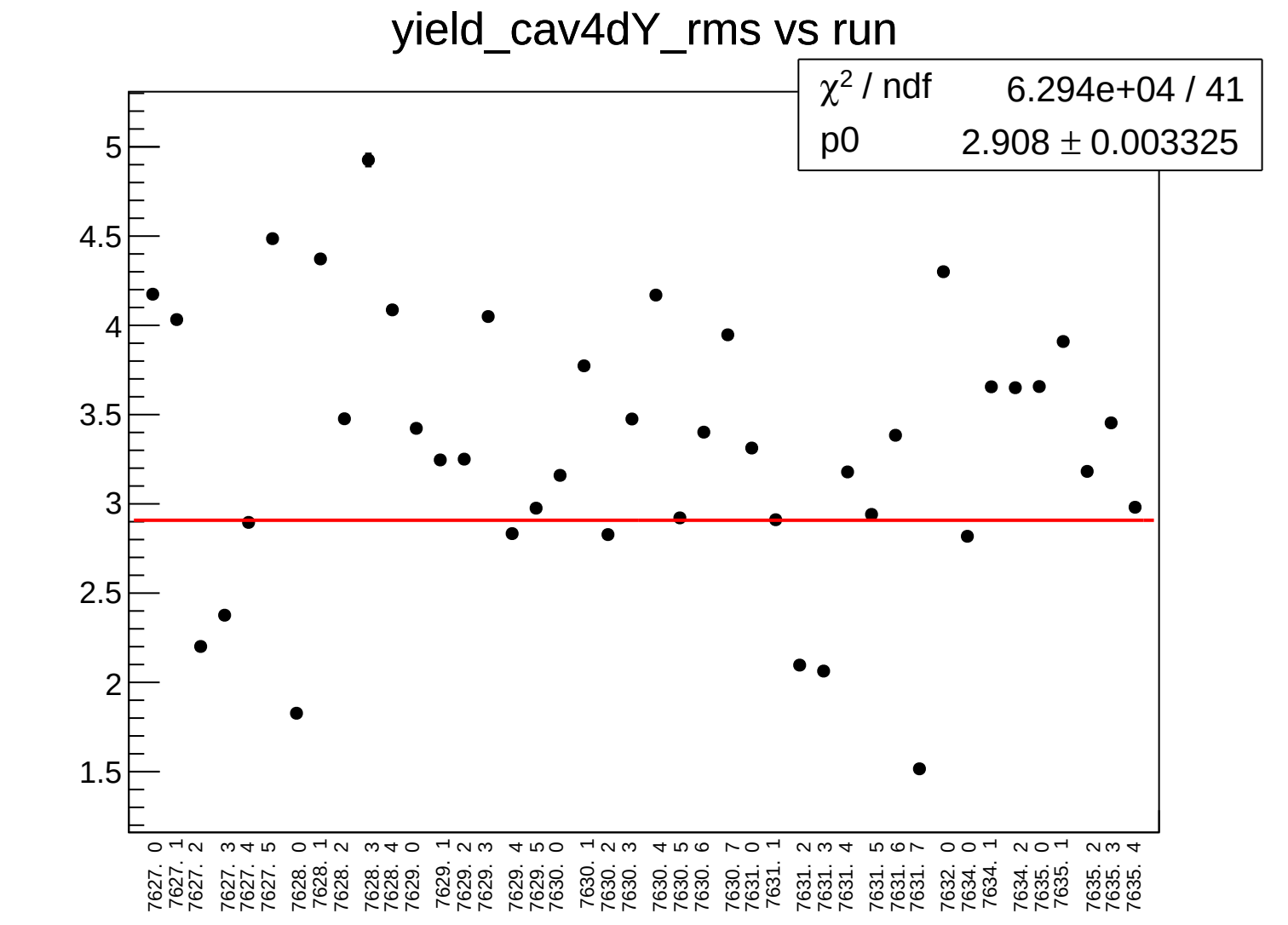

yield_cav4dX_mean vs run
χ² / ndf 2.952e+04 / 41
p0 1.264 ± 0.001721
pull
Entries 42
Mean −42.71
Std Dev 0

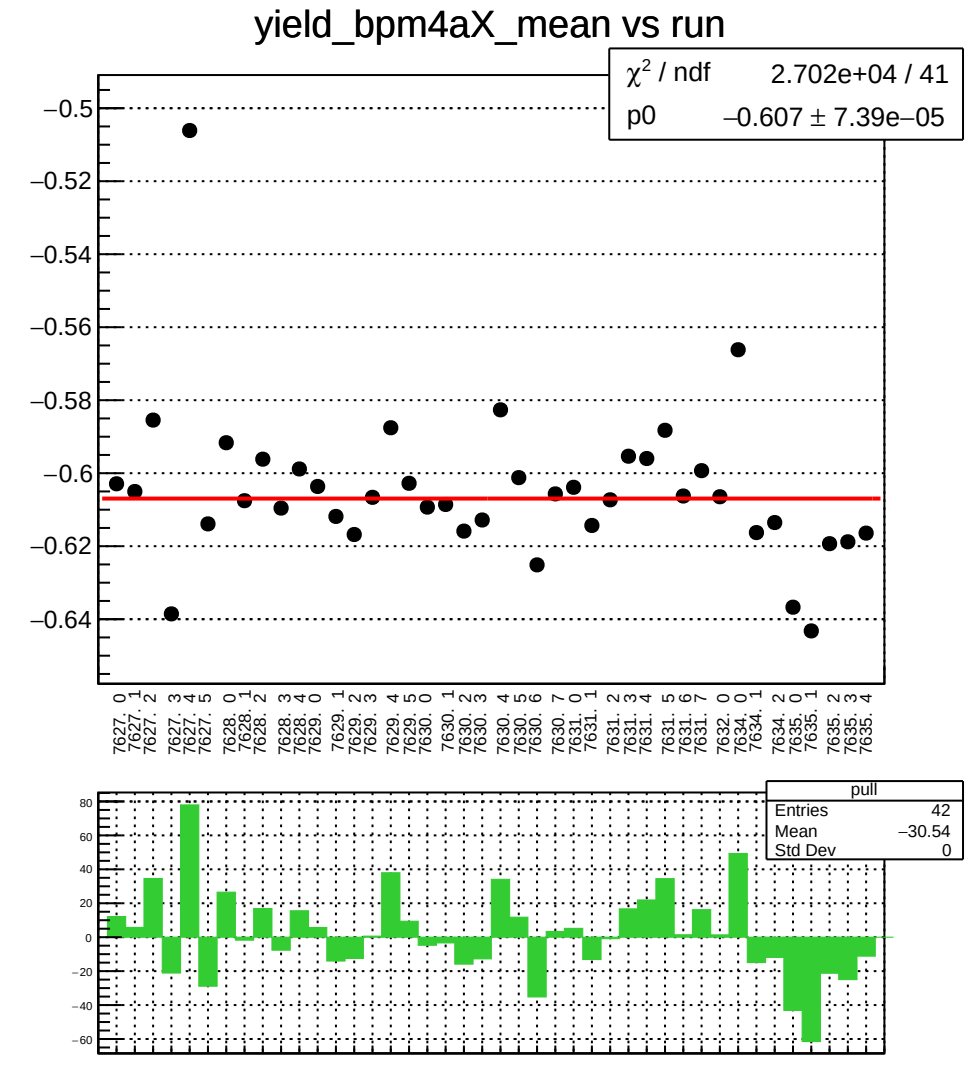

pull1D
Entries 42
Mean 0.3693
Std Dev 4.387

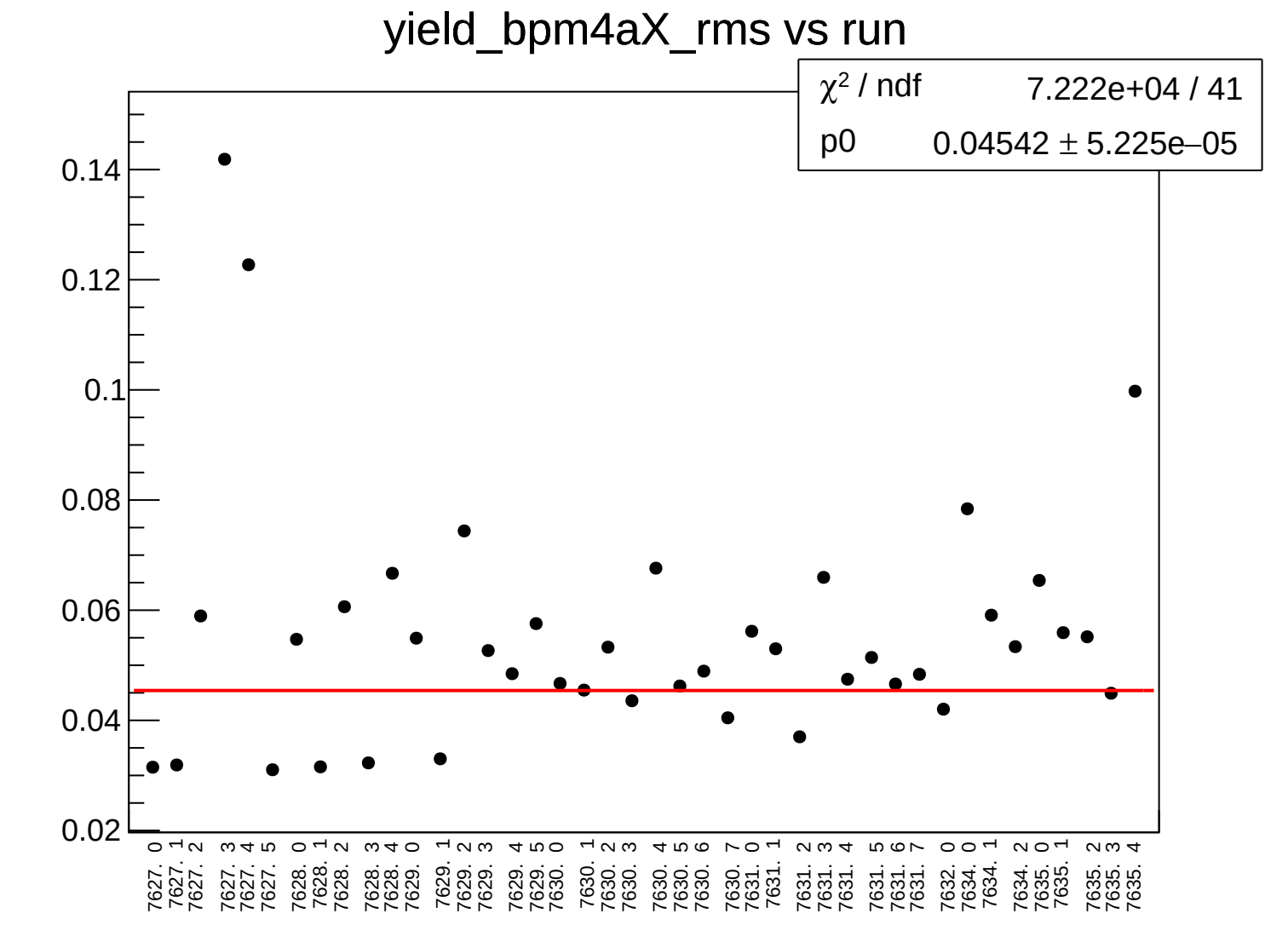

yield_cav4dX_rms vs run
χ² / ndf 6.447e+04 / 41
p0 1.063 ± 0.001217
3
2.5
2
1.5
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

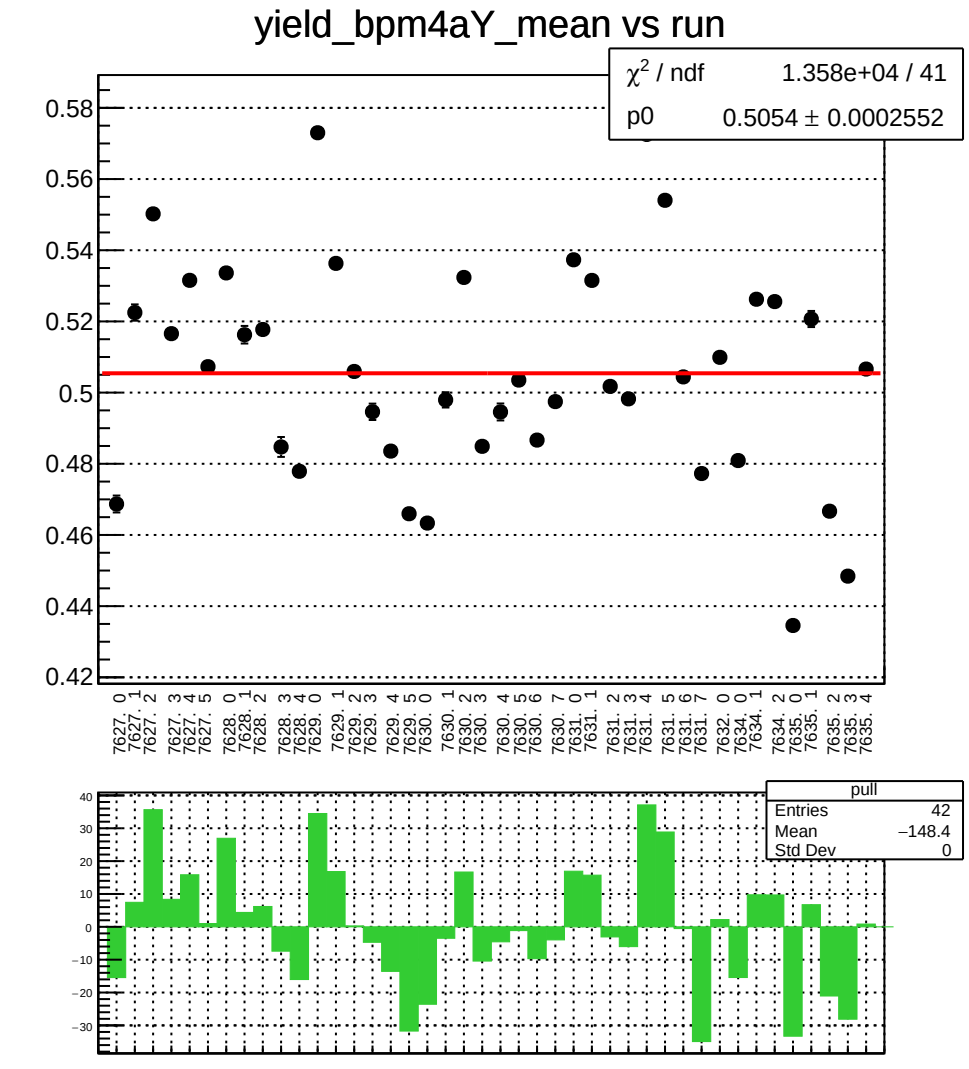

yield_cav4dY_mean vs run
χ² / ndf 1.662e+04 / 41
p0 −29.51 ± 0.004703
−28
−28.5
−29
−29.5
−30
−30.5
−31
−31.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 60.2
Std Dev 0
40
20
0
−20
−40

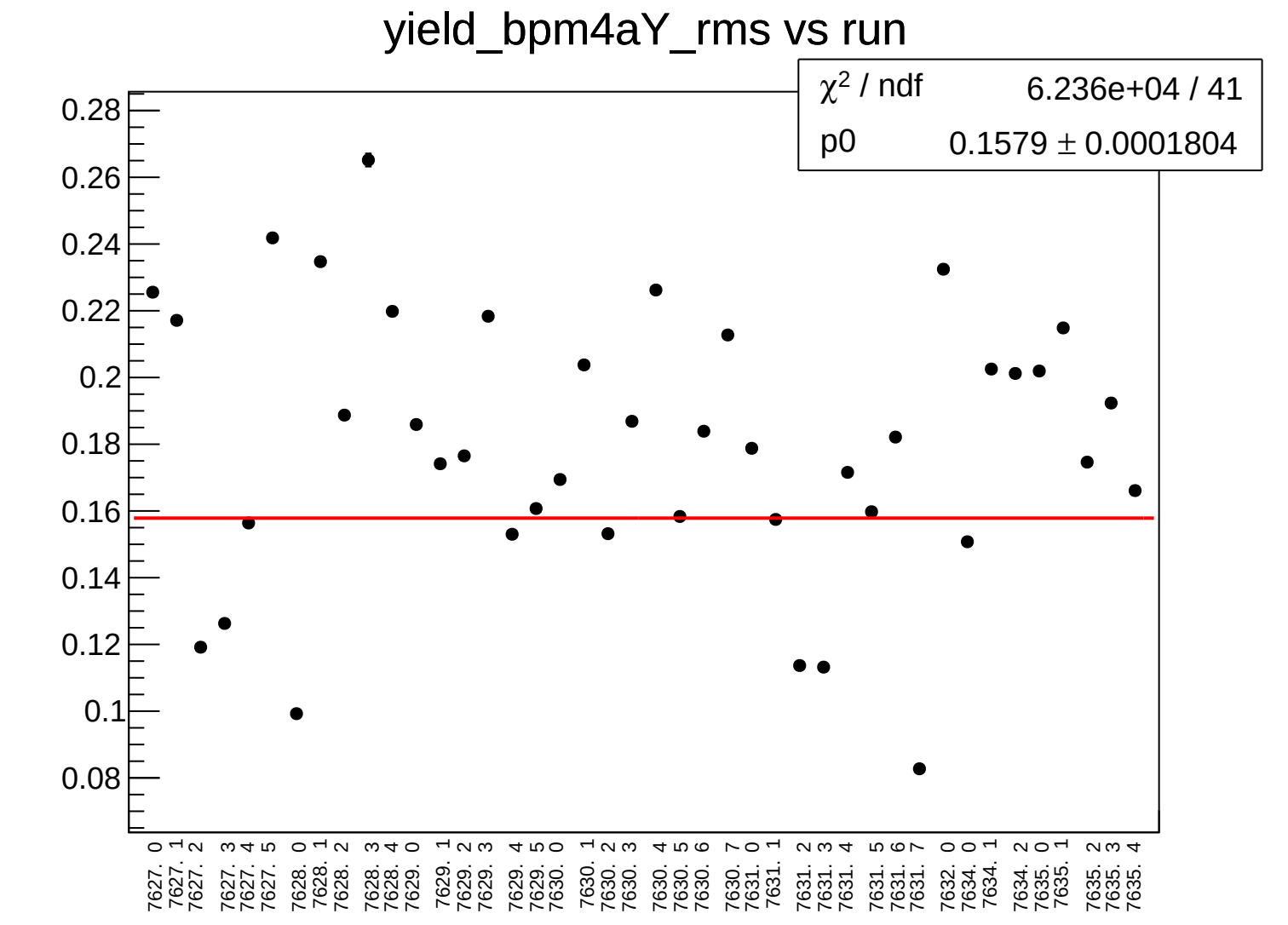

pull1D
Entries 42
Mean 0.8244
Std Dev 4.595
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

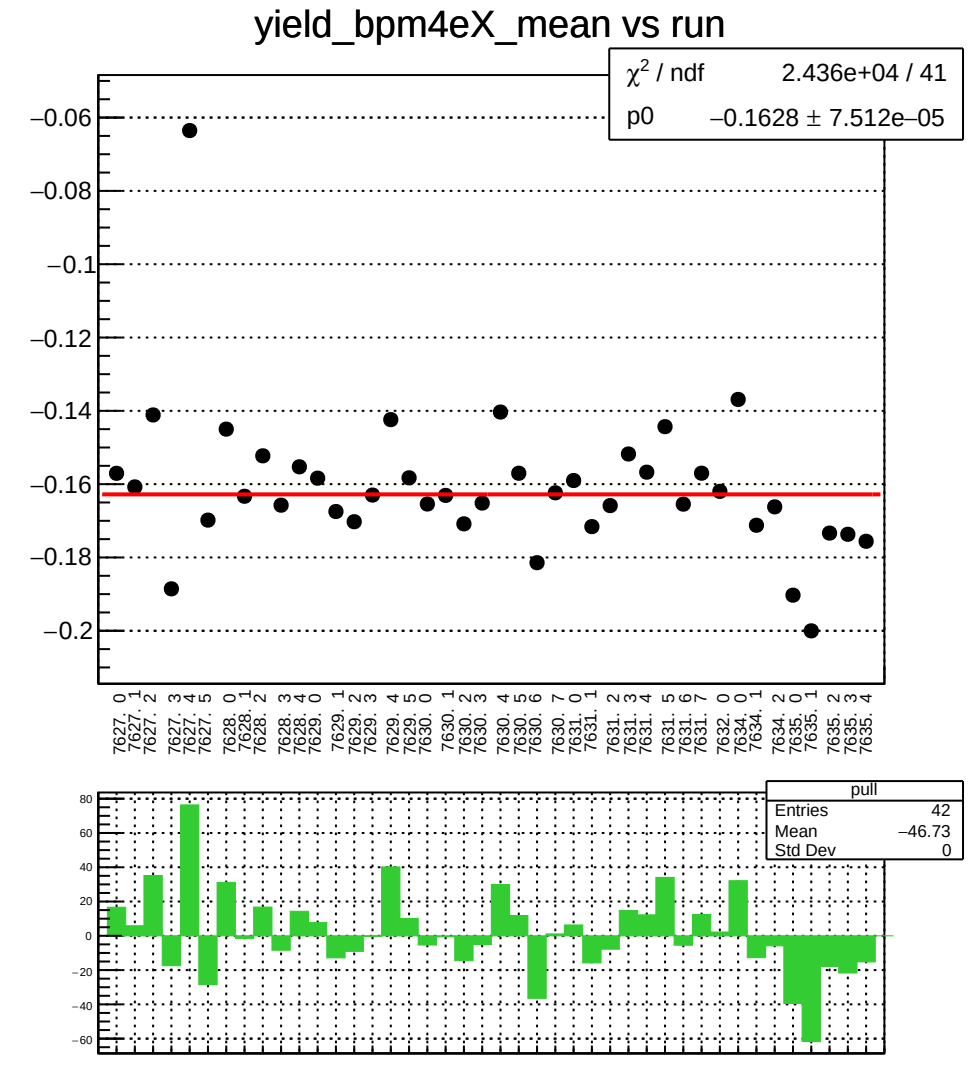

yield_cav4dY_rms vs run
χ^2 / ndf 6.294e+04 / 41
p0 2.908 ± 0.003325
5
4.5
4
3.5
3
2.5
2
1.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

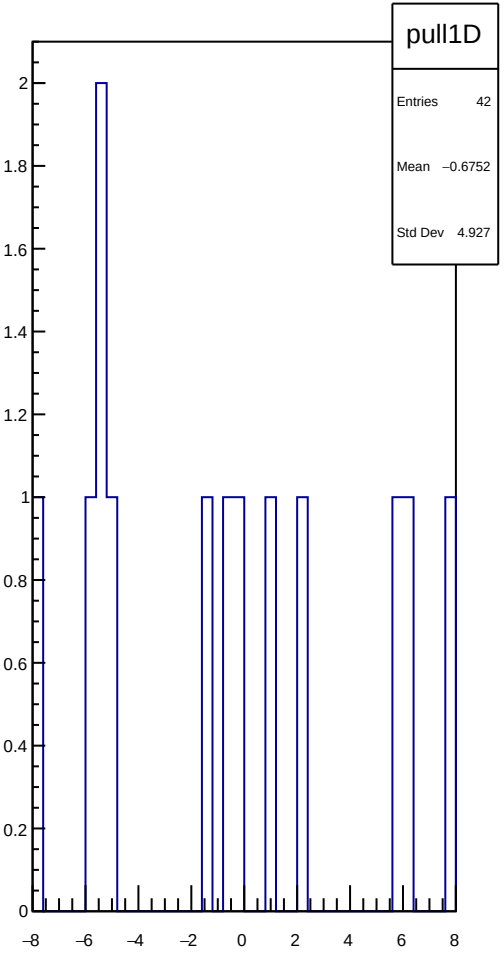

yield_bpm4aX_mean vs run
χ² / ndf 2.702e+04 / 41
p0 −0.607 ± 7.39e−05
−0.5
−0.52
−0.54
−0.56
−0.58
−0.6
−0.62
−0.64
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −30.54
Std Dev 0
80
60
40
20
0
−20
−40
−60
pull1D
Entries 42
Mean 0.4252
Std Dev 4.113
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

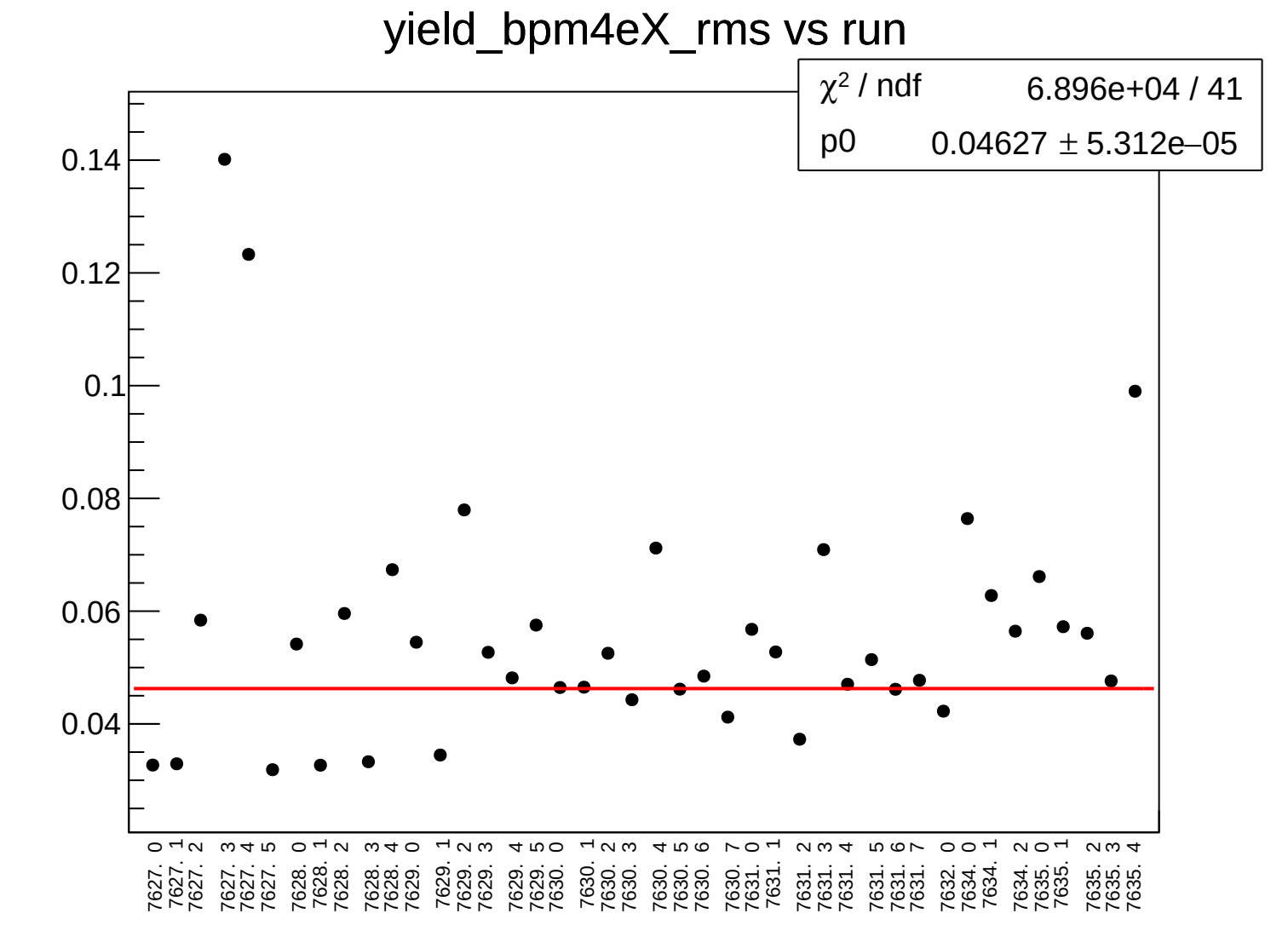

yield_bpm4aX_rms vs run
χ² / ndf 7.222e+04 / 41
p0 0.04542 ± 5.225e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

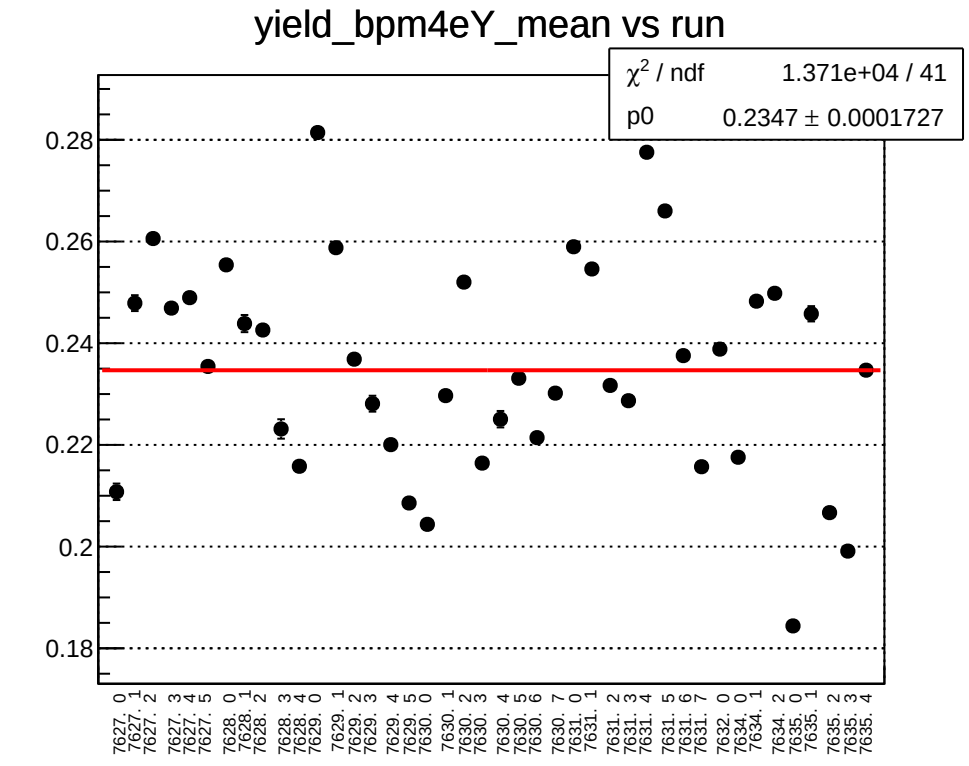

yield_bpm4aY_mean vs run
χ² / ndf 1.358e+04 / 41
p0 0.5054 ± 0.0002552
0.58
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −148.4
Std Dev 0
40
30
20
10
0
−10
−20
−30
pull1D
Entries 42
Mean −0.3416
Std Dev 4.445
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

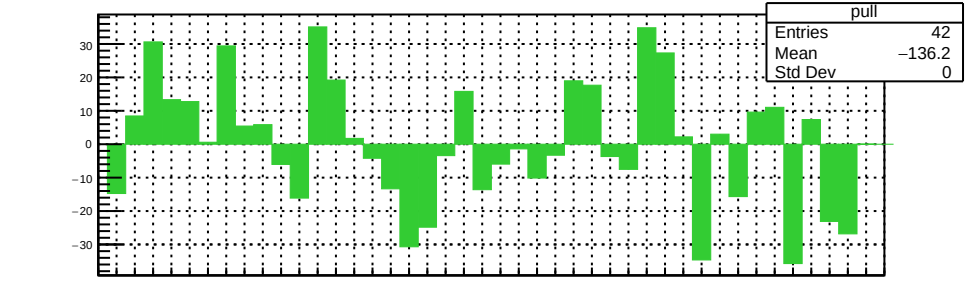

yield_bpm4aY_rms vs run
χ² / ndf 6.236e+04 / 41
p0 0.1579 ± 0.0001804
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

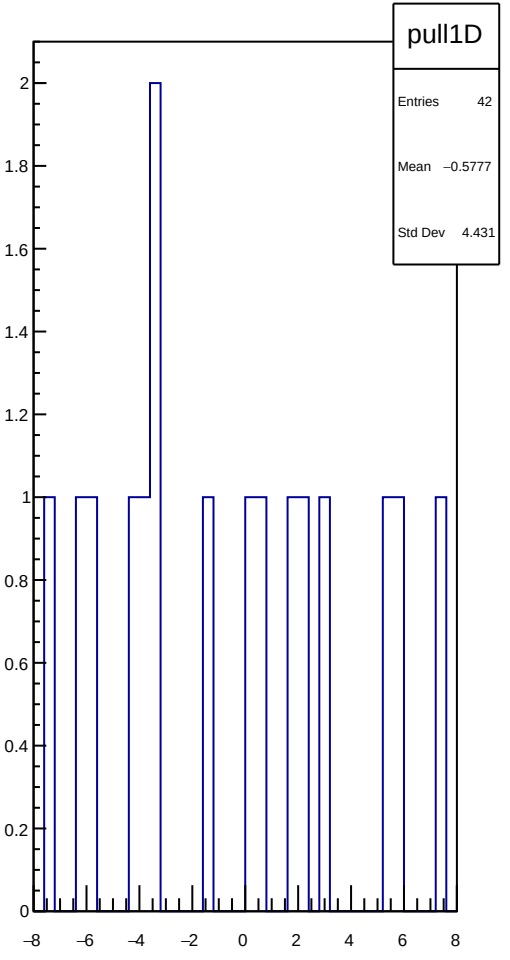

yield_bpm4eX_mean vs run
χ² / ndf 2.436e+04 / 41
p0 −0.1628 ± 7.512e−05
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −46.73
Std Dev 0
80
60
40
20
0
−20
−40
−60

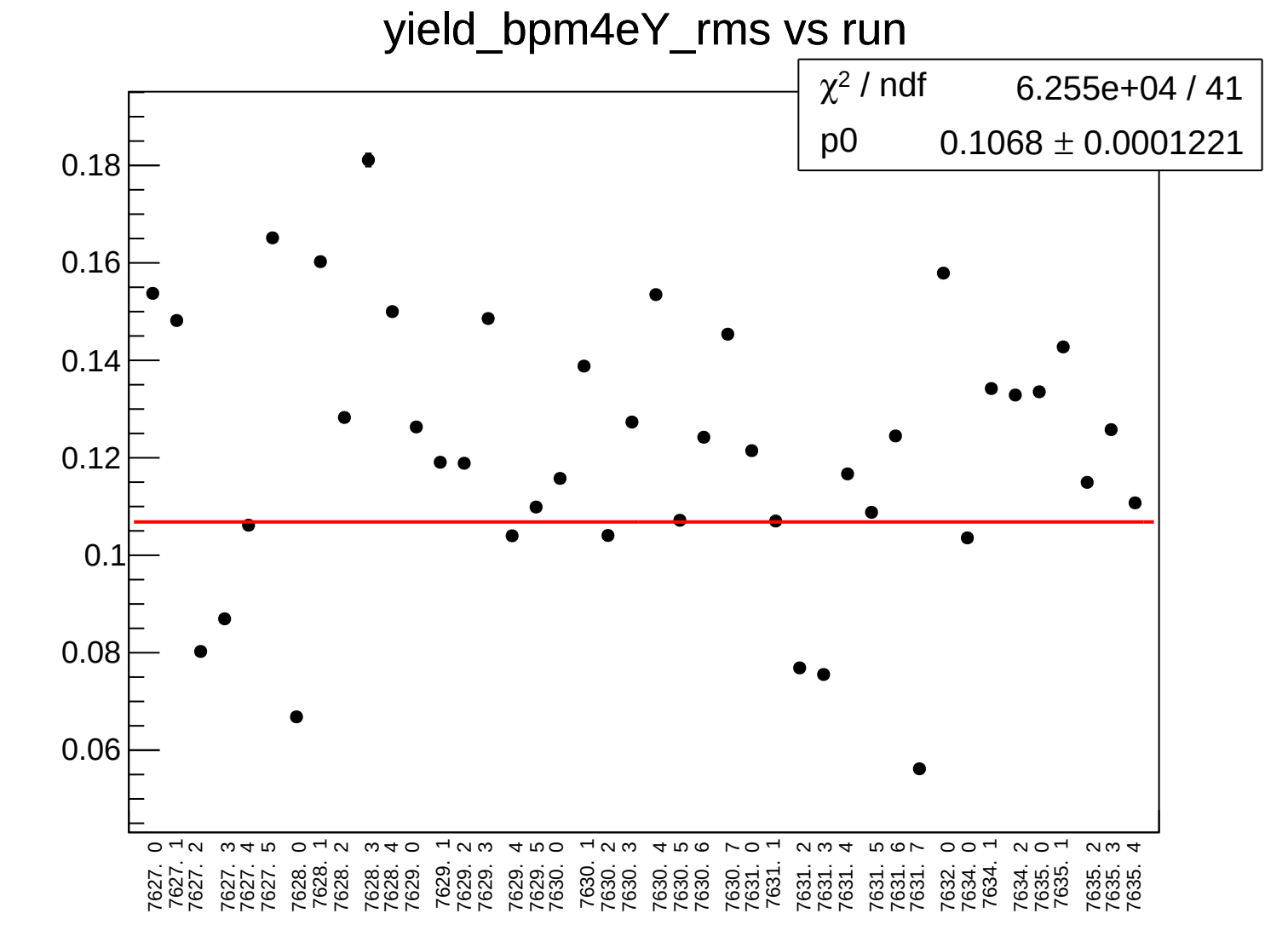

pull1D
Entries 42
Mean −0.6752
Std Dev 4.927
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

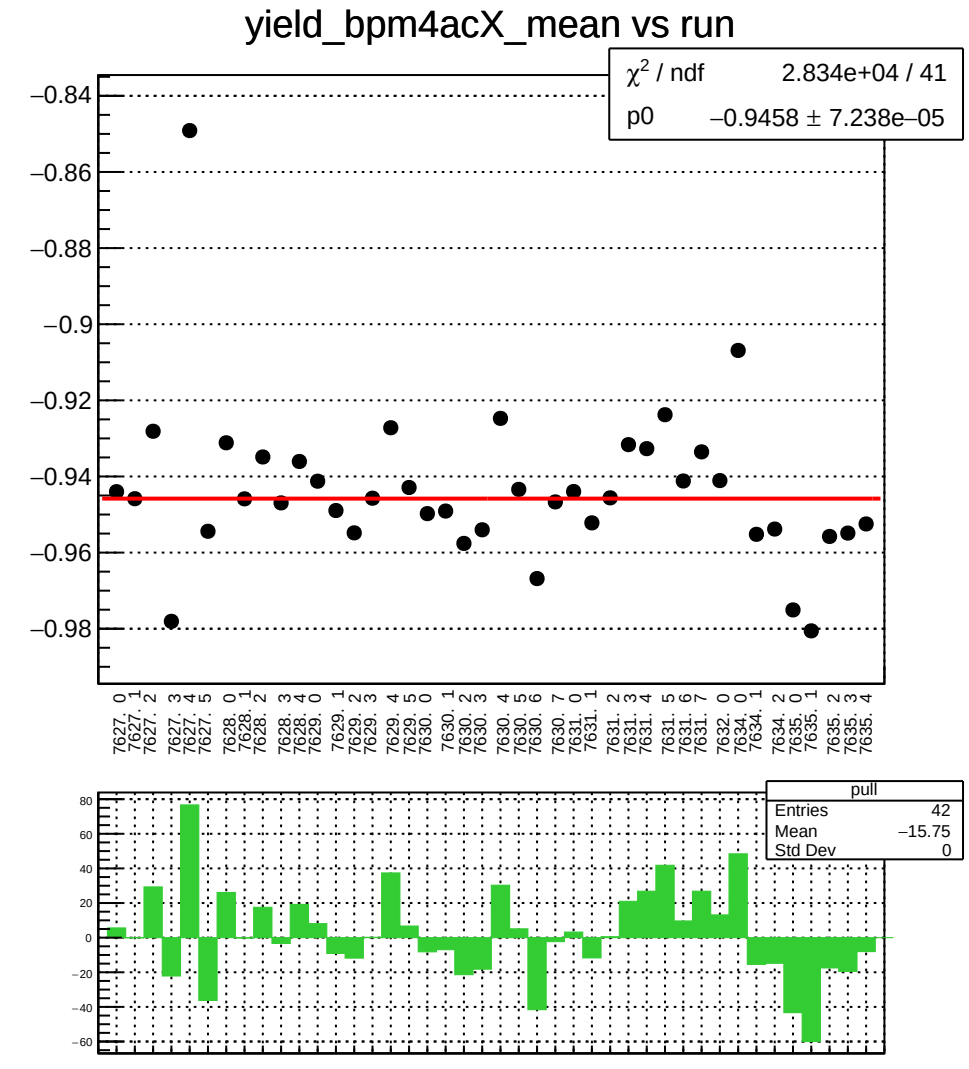

yield_bpm4eX_rms vs run
χ² / ndf 6.896e+04 / 41
p0 0.04627 ± 5.312e–05
0.14
0.12
0.1
0.08
0.06
0.04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

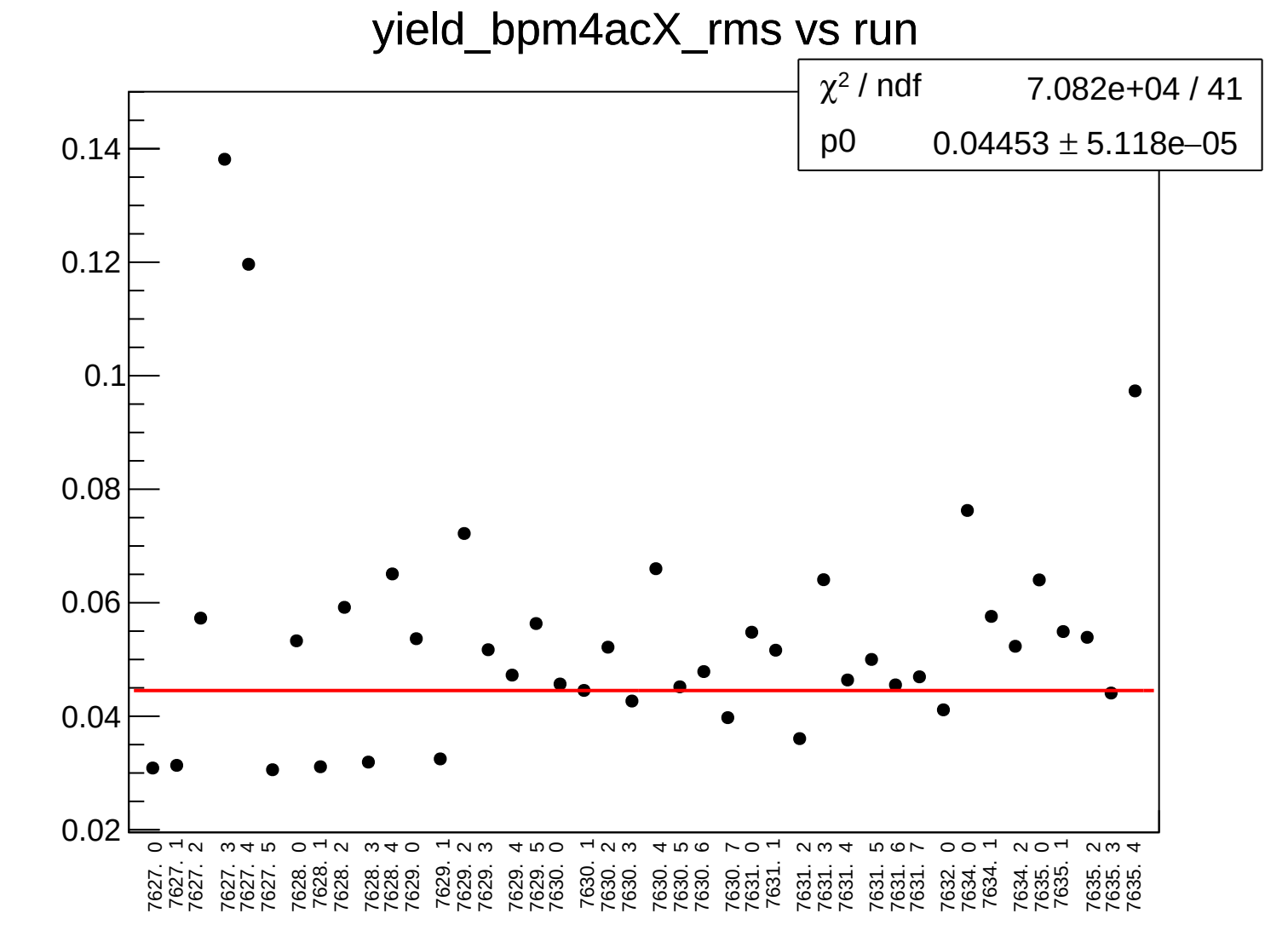

yield_bpm4eY_mean vs run
χ² / ndf 1.371e+04 / 41
p0 0.2347 ± 0.0001727
0.28
0.26
0.24
0.22
0.2
0.18
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

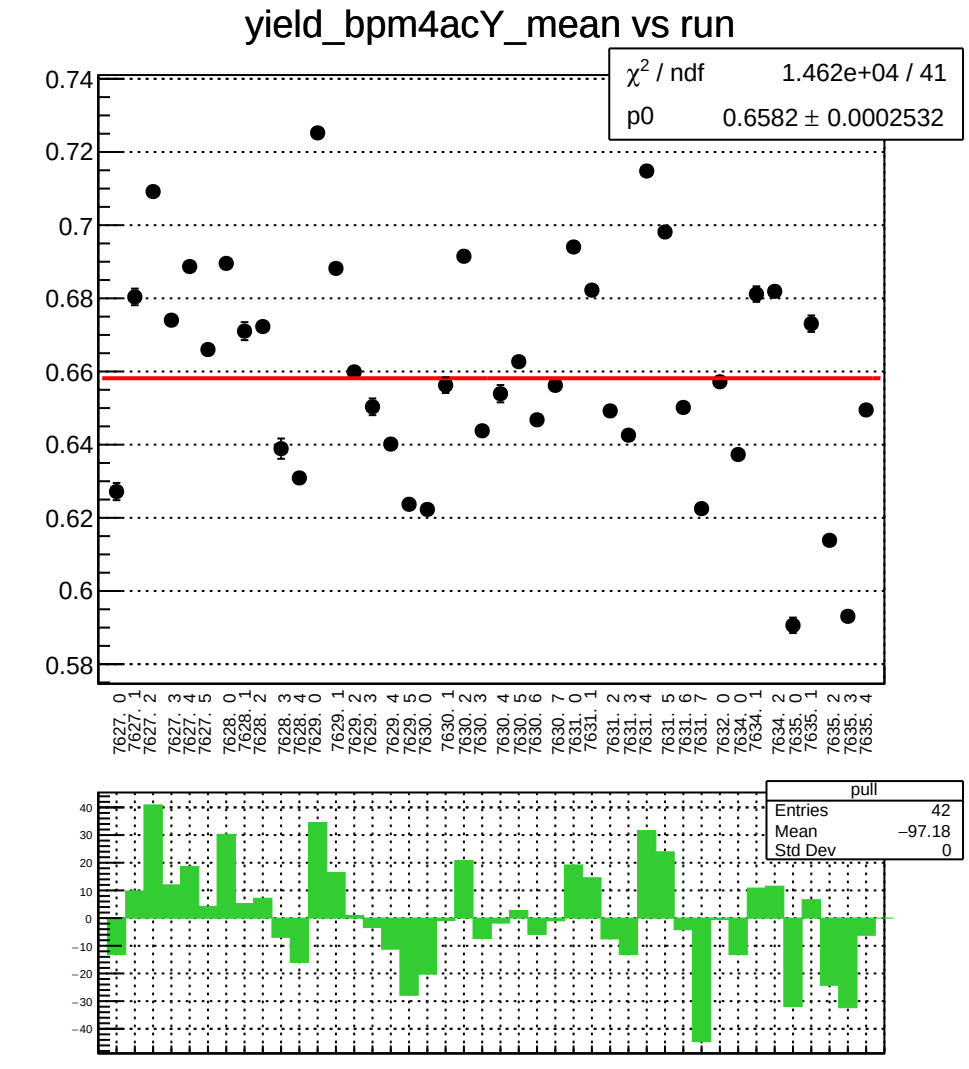

pull
Entries 42
Mean −136.2
Std Dev 0
30
20
10
0
−10
−20
−30

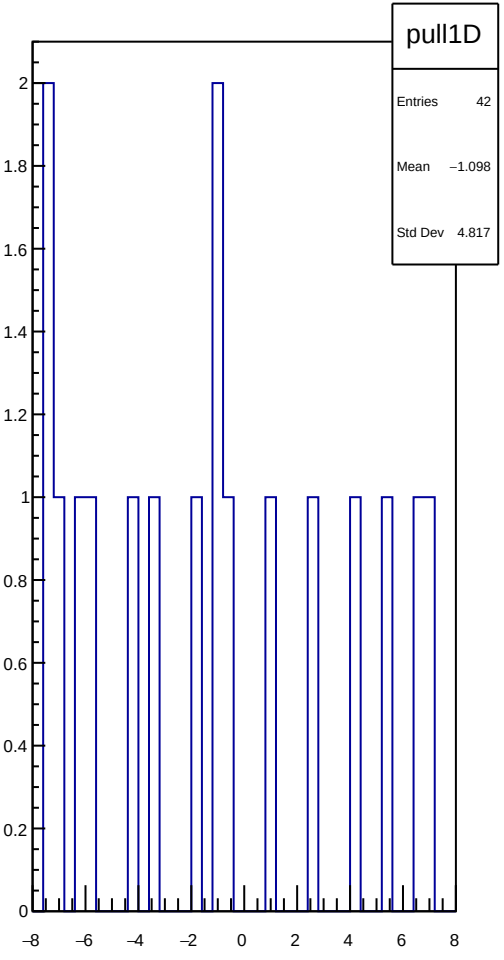

pull1D
Entries 42
Mean −0.5777
Std Dev 4.431
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

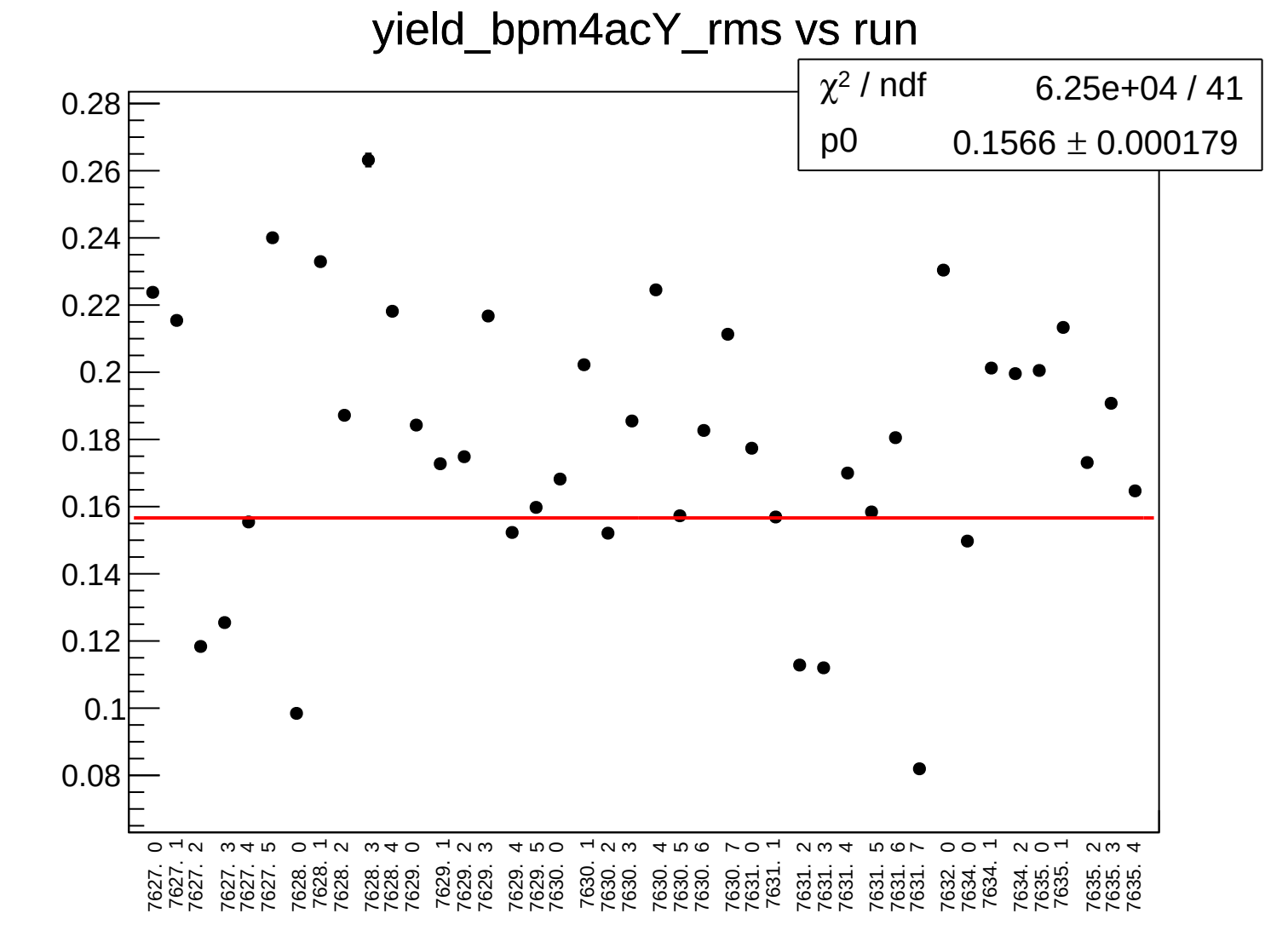

yield_bpm4eY_rms vs run
χ² / ndf 6.255e+04 / 41
p0 0.1068 ± 0.0001221
0.18
0.16
0.14
0.12
0.1
0.08
0.06
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

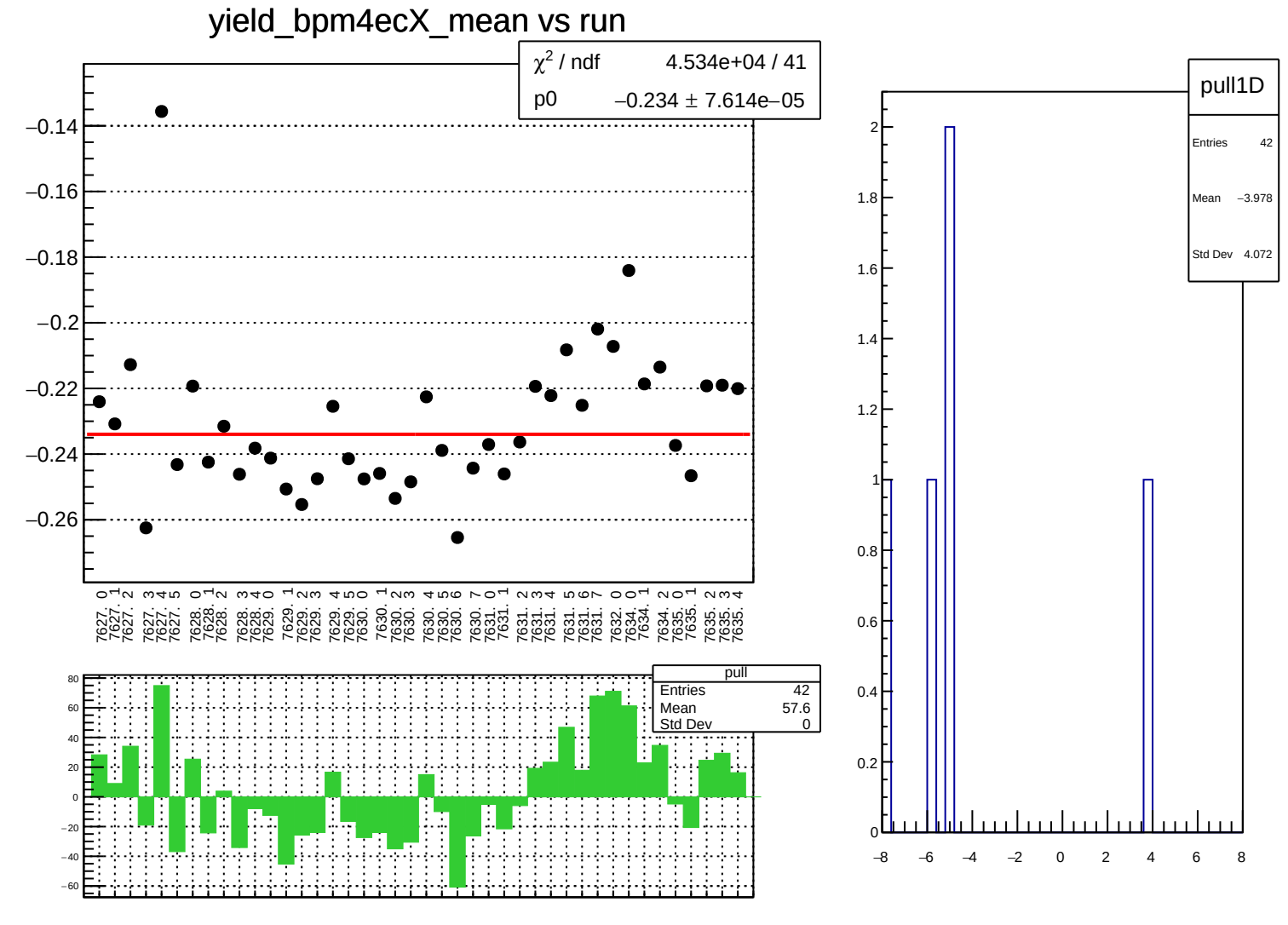

yield_bpm4acX_mean vs run
χ² / ndf 2.834e+04 / 41
p0 −0.9458 ± 7.238e−05
−0.84
−0.86
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −15.75
Std Dev 0
80
60
40
20
0
−20
−40
−60
pull1D
Entries 42
Mean 0.7731
Std Dev 3.95
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

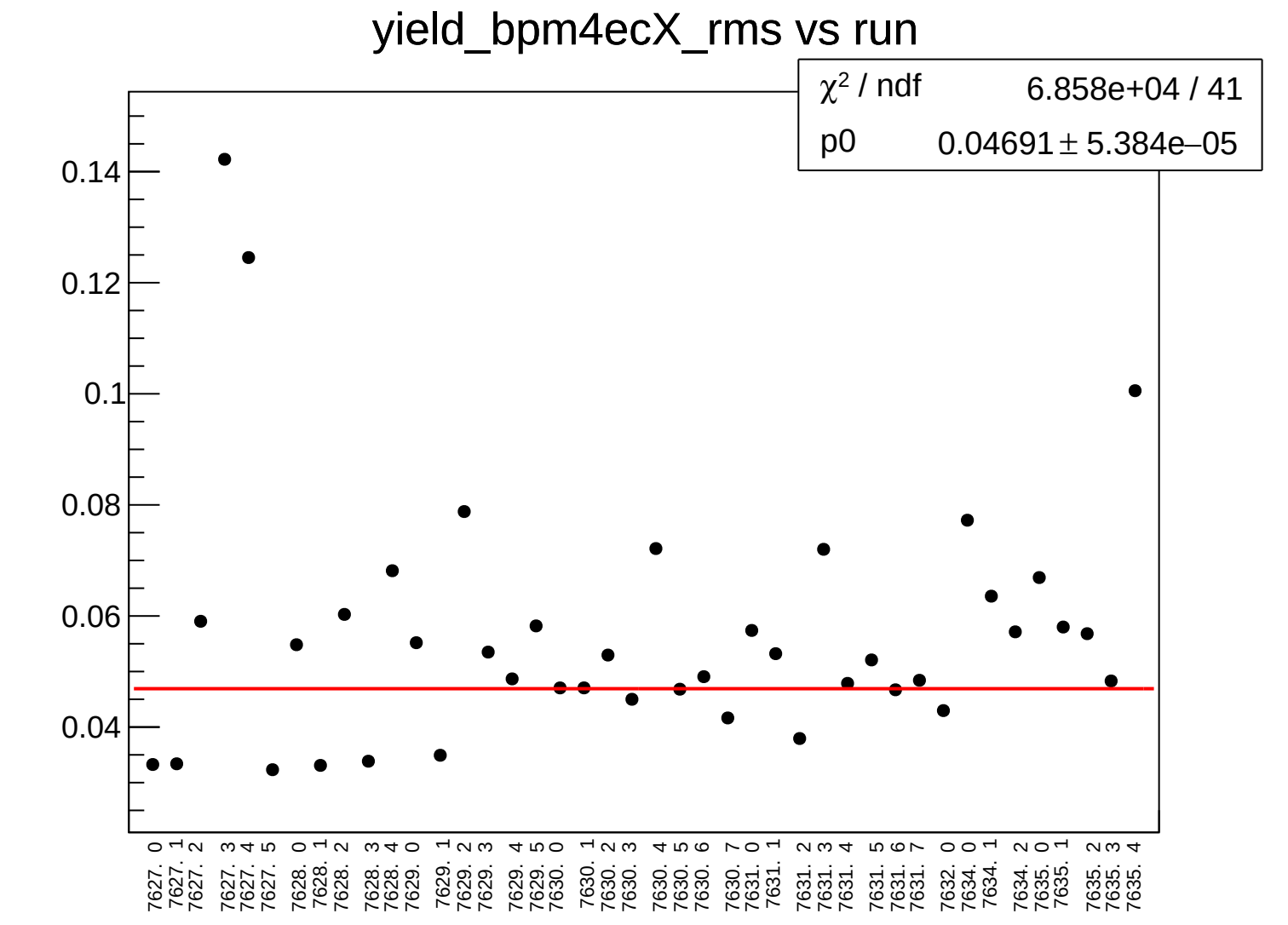

yield_bpm4acX_rms vs run
χ² / ndf 7.082e+04 / 41
p0 0.04453 ± 5.118e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


yield_bpm4acY_mean vs run
χ² / ndf 1.462e+04 / 41
p0 0.6582 ± 0.0002532
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −97.18
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40


pull1D
Entries 42
Mean −1.098
Std Dev 4.817
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 6.25e+04 / 41
p0 0.1566 ± 0.000179
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


yield_bpm4ecX_mean vs run
χ² / ndf 4.534e+04 / 41
p0 −0.234 ± 7.614e−05
pull
Entries 42
Mean 57.6
Std Dev 0
pull1D
Entries 42
Mean −3.978
Std Dev 4.072


yield_bpm4ecX_rms vs run
χ² / ndf 6.858e+04 / 41
p0 0.04691 ± 5.384e–05
0.14
0.12
0.1
0.08
0.06
0.04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7635. 1
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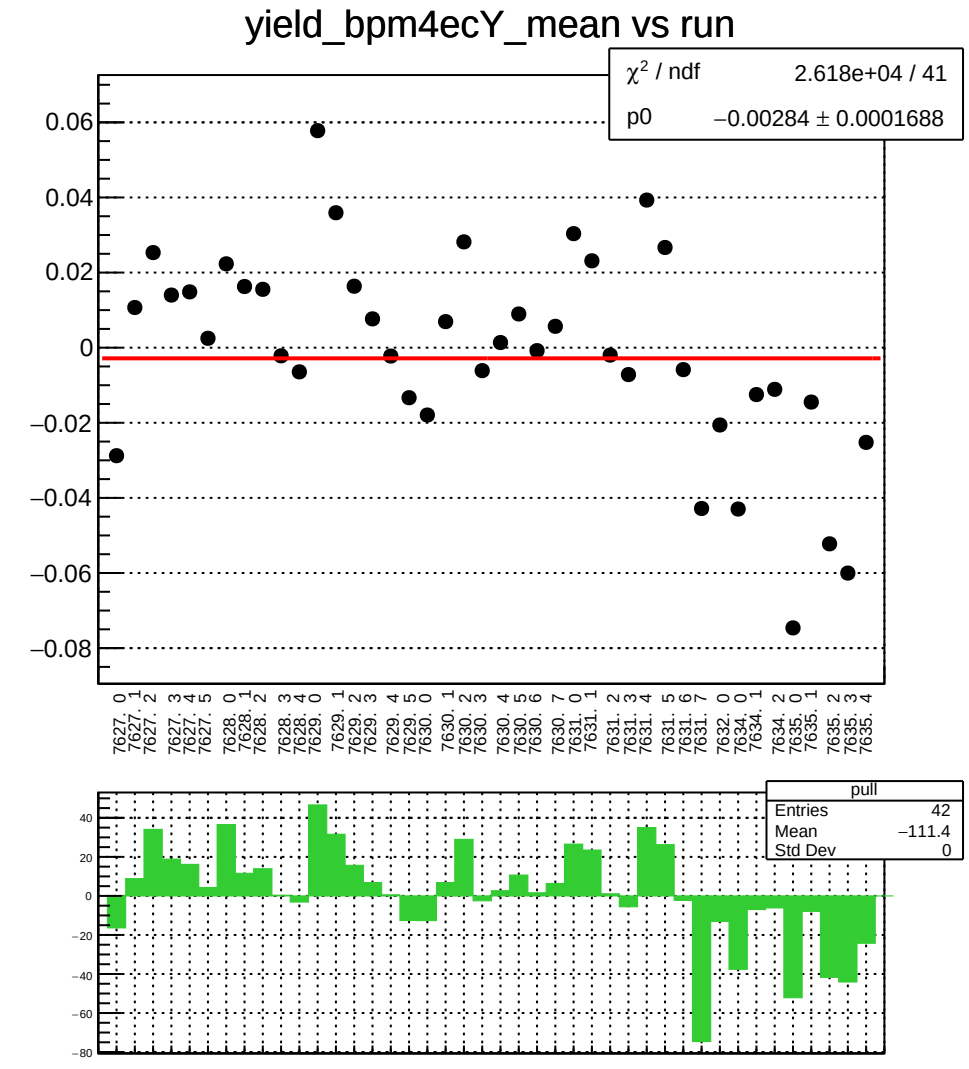
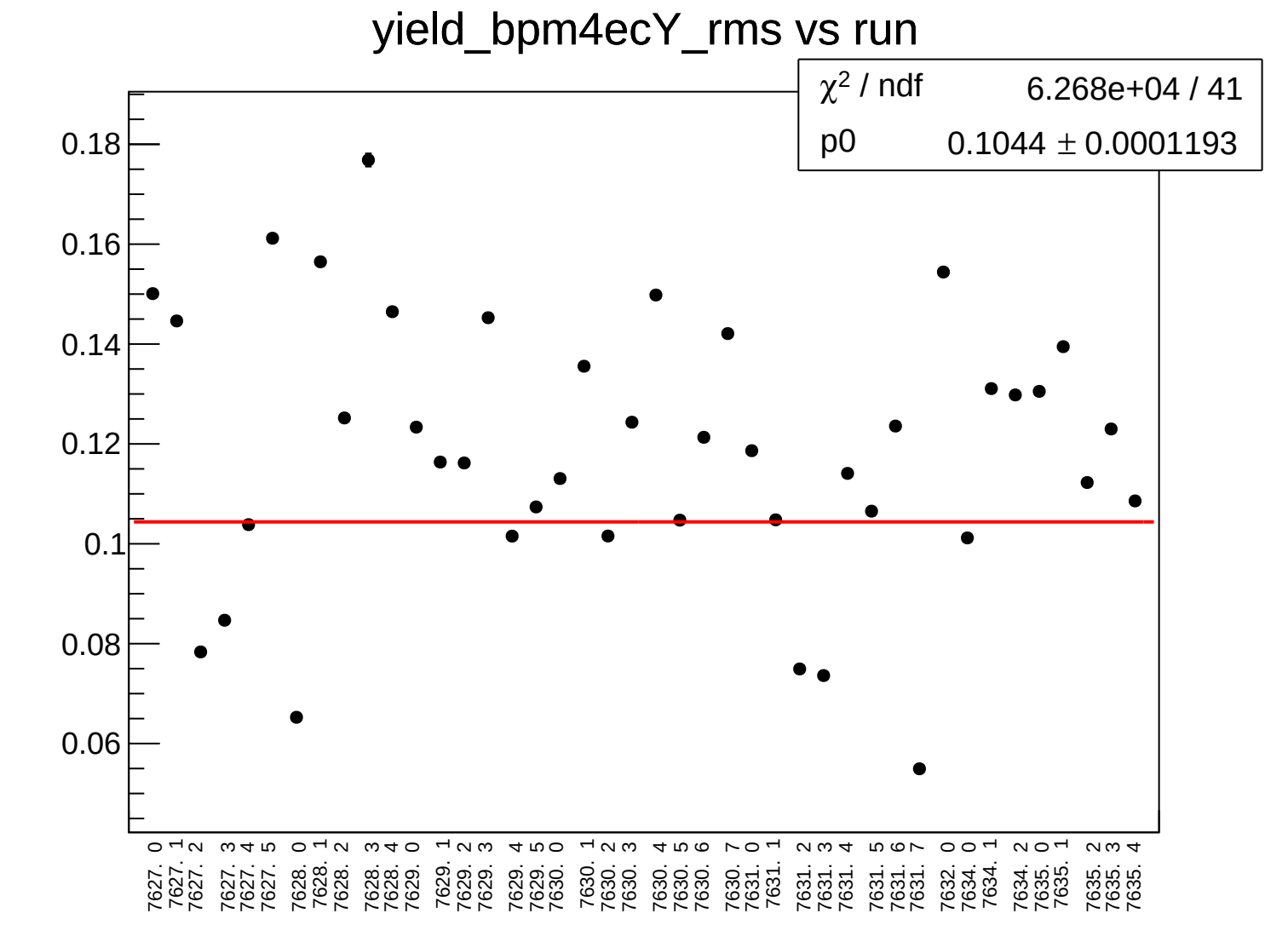
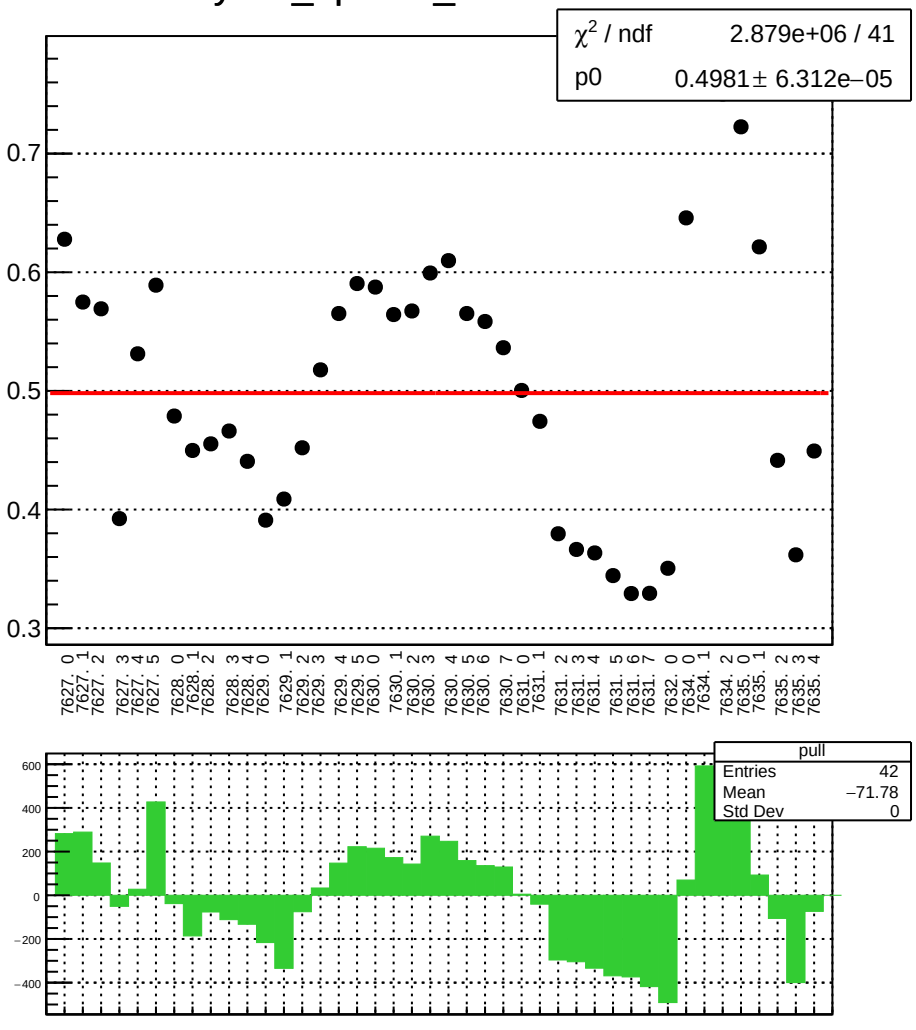
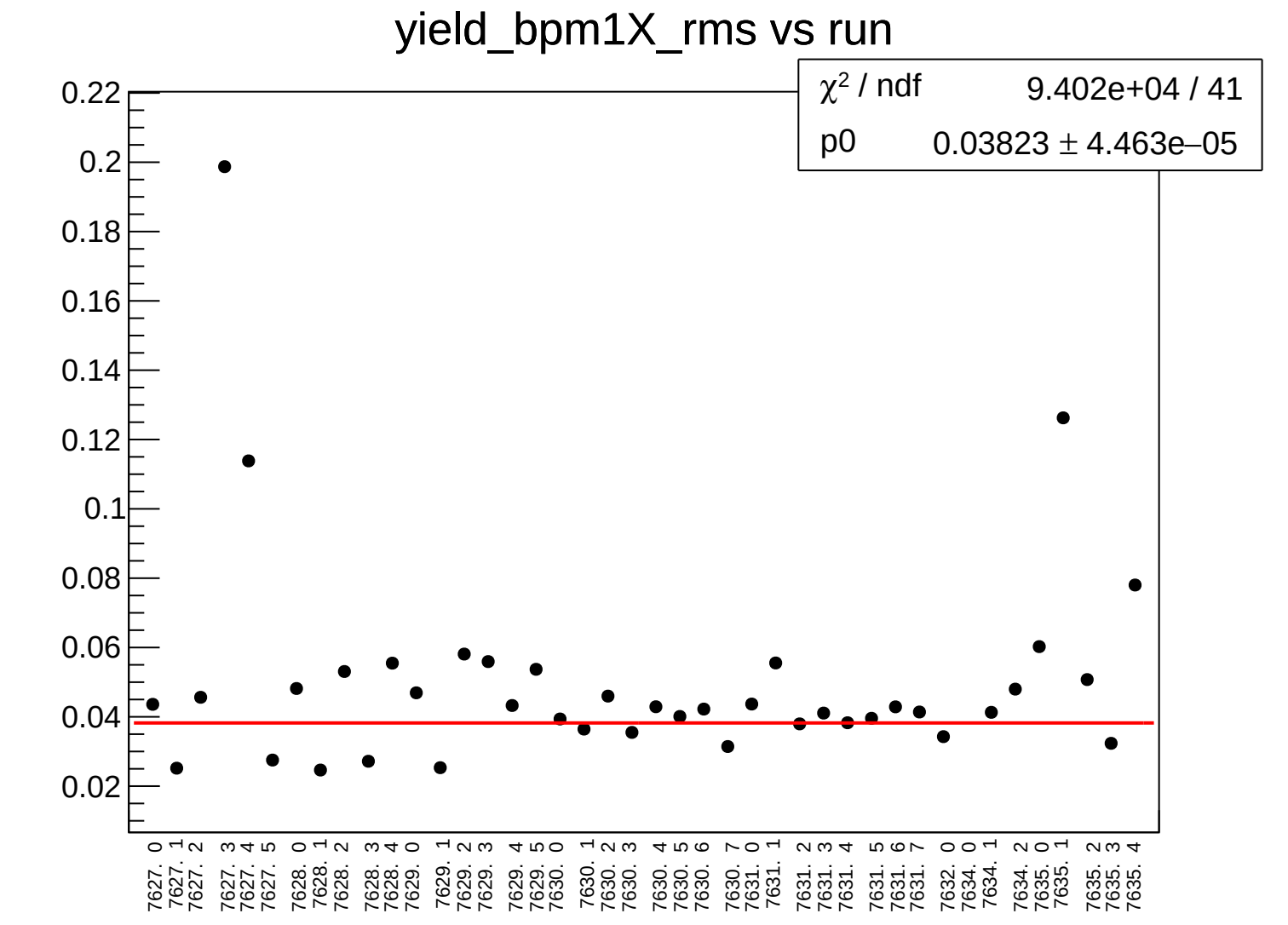
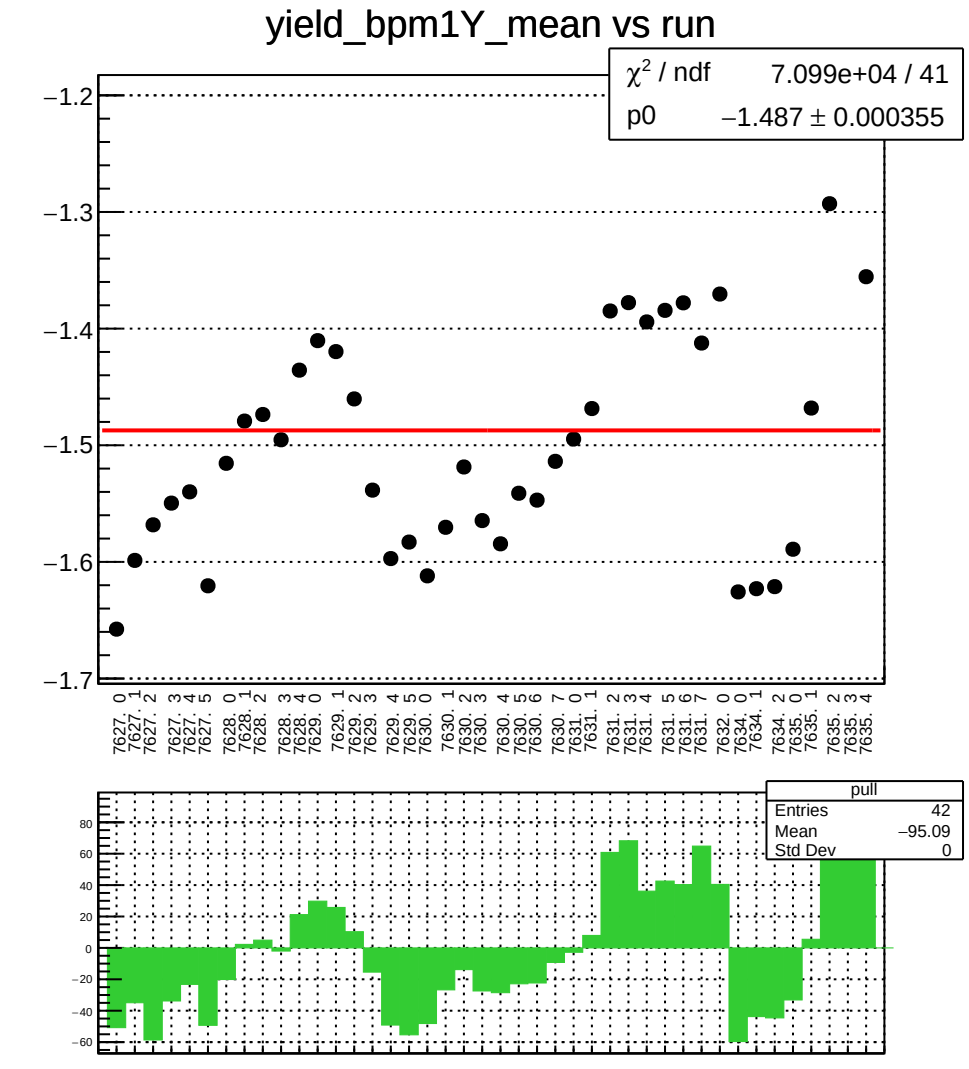
7635. 3
7635. 4

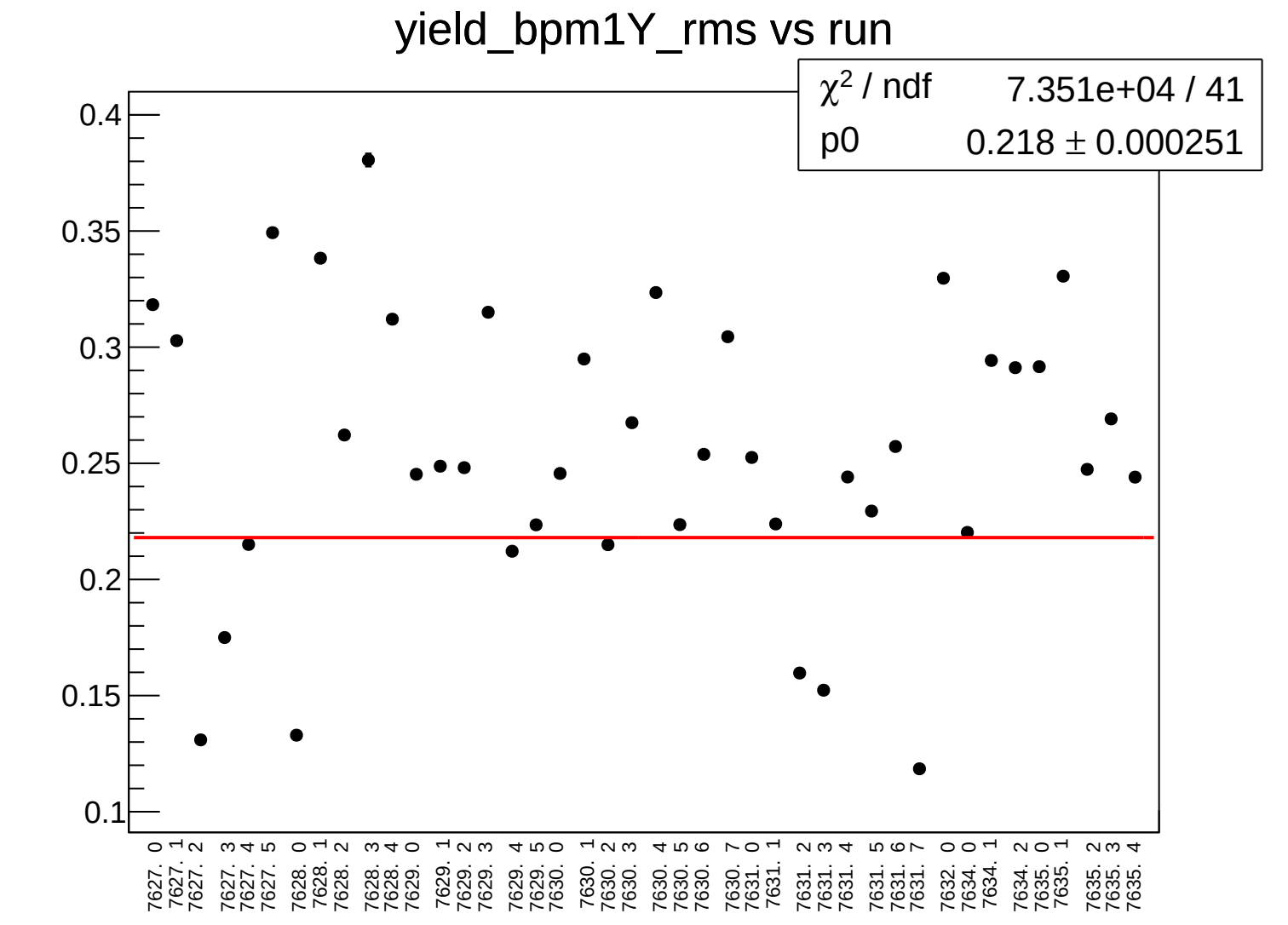

yield_bpm4ecY_mean vs run
χ² / ndf 2.618e+04 / 41
p0 −0.00284 ± 0.0001688
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −111.4
Std Dev 0
40
20
0
−20
−40
−60
−80
pull1D
Entries 42
Mean −0.2451
Std Dev 4.777
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

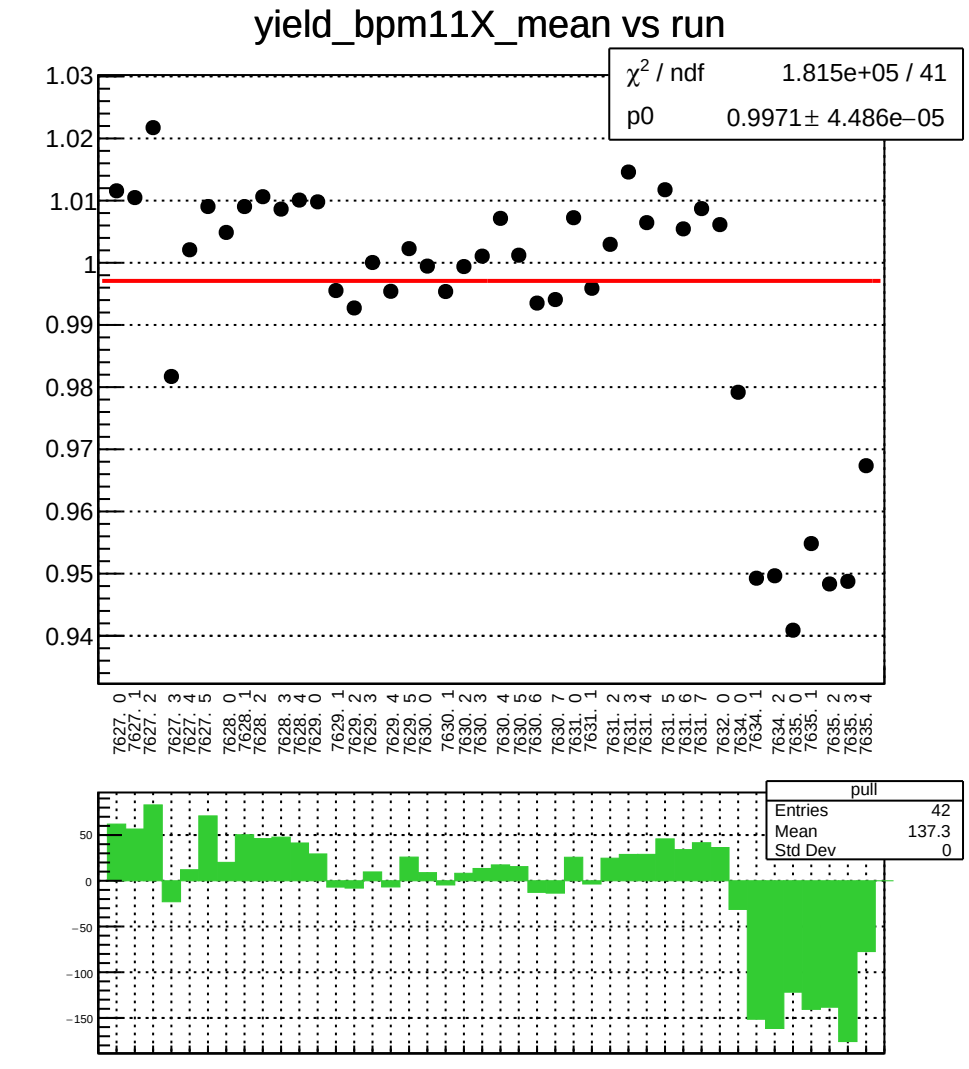

yield_bpm4ecY_rms vs run
χ² / ndf 6.268e+04 / 41
p0 0.1044 ± 0.0001193
0.18
0.16
0.14
0.12
0.1
0.08
0.06
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

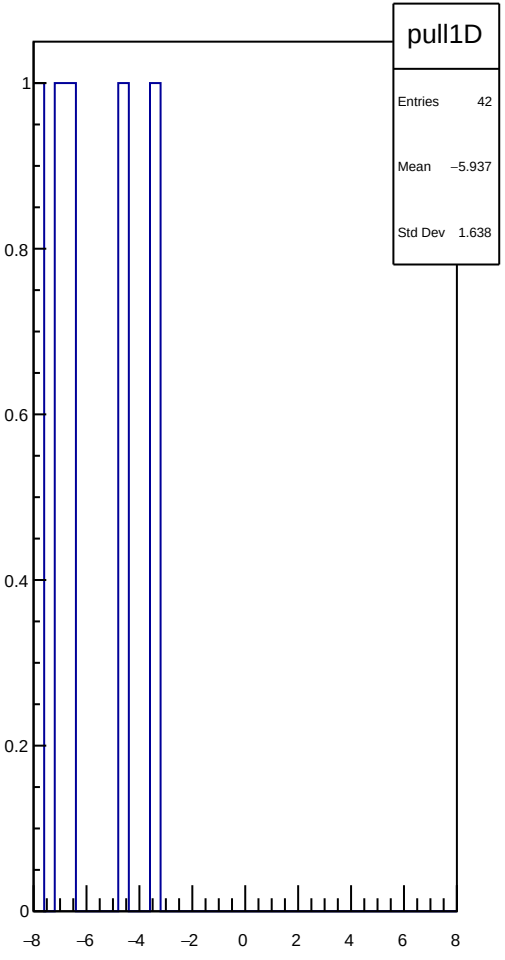

yield_bpm1X_mean vs run
χ² / ndf 2.879e+06 / 41
p0 0.4981 ± 6.312e−05
0.7
0.6
0.5
0.4
0.3
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −71.78
Std Dev 0
600
400
200
0
−200
−400
pull1D
Entries 42
Mean 4.922
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

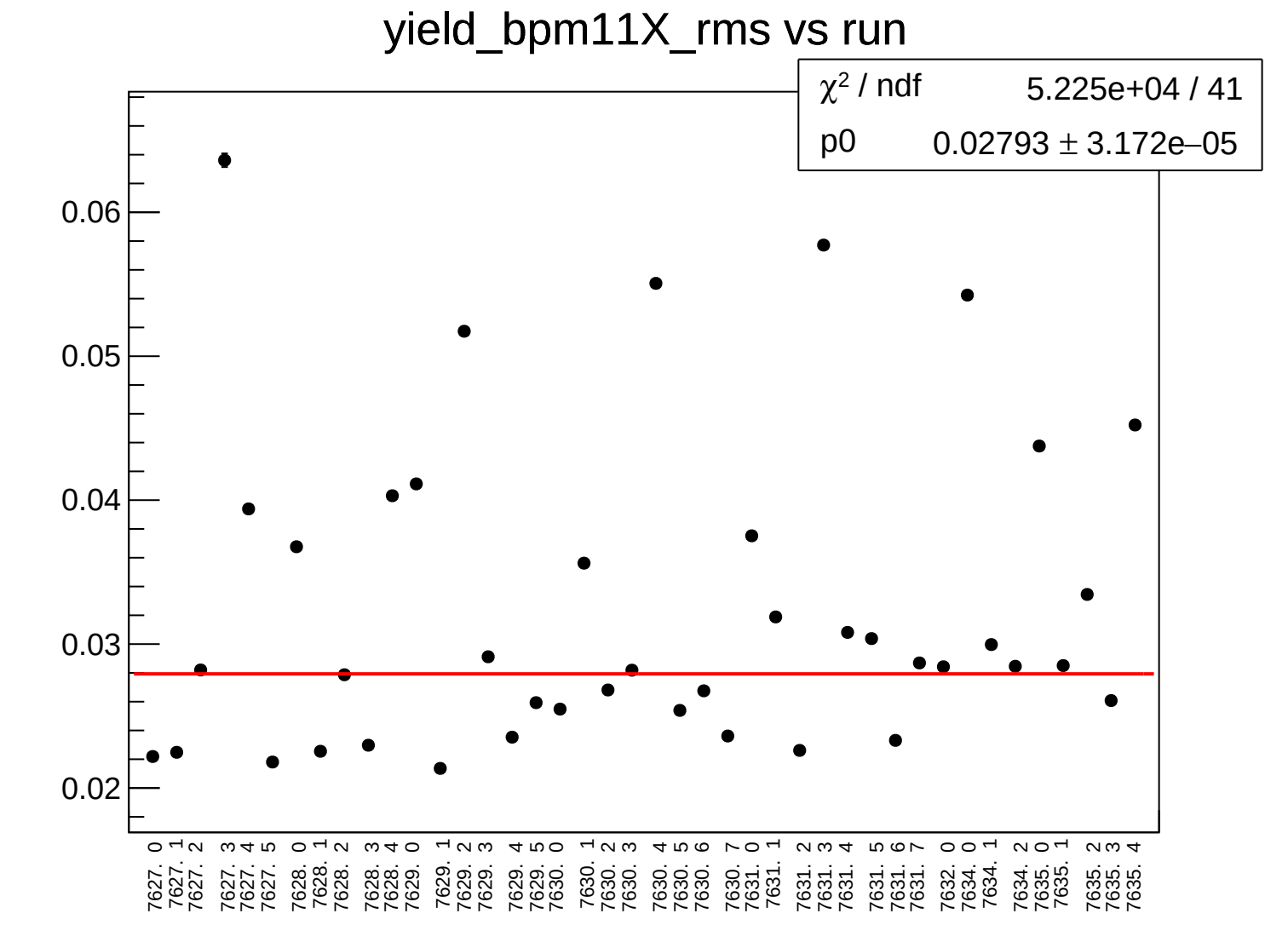

yield_bpm1X_rms vs run
χ² / ndf 9.402e+04 / 41
p0 0.03823 ± 4.463e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

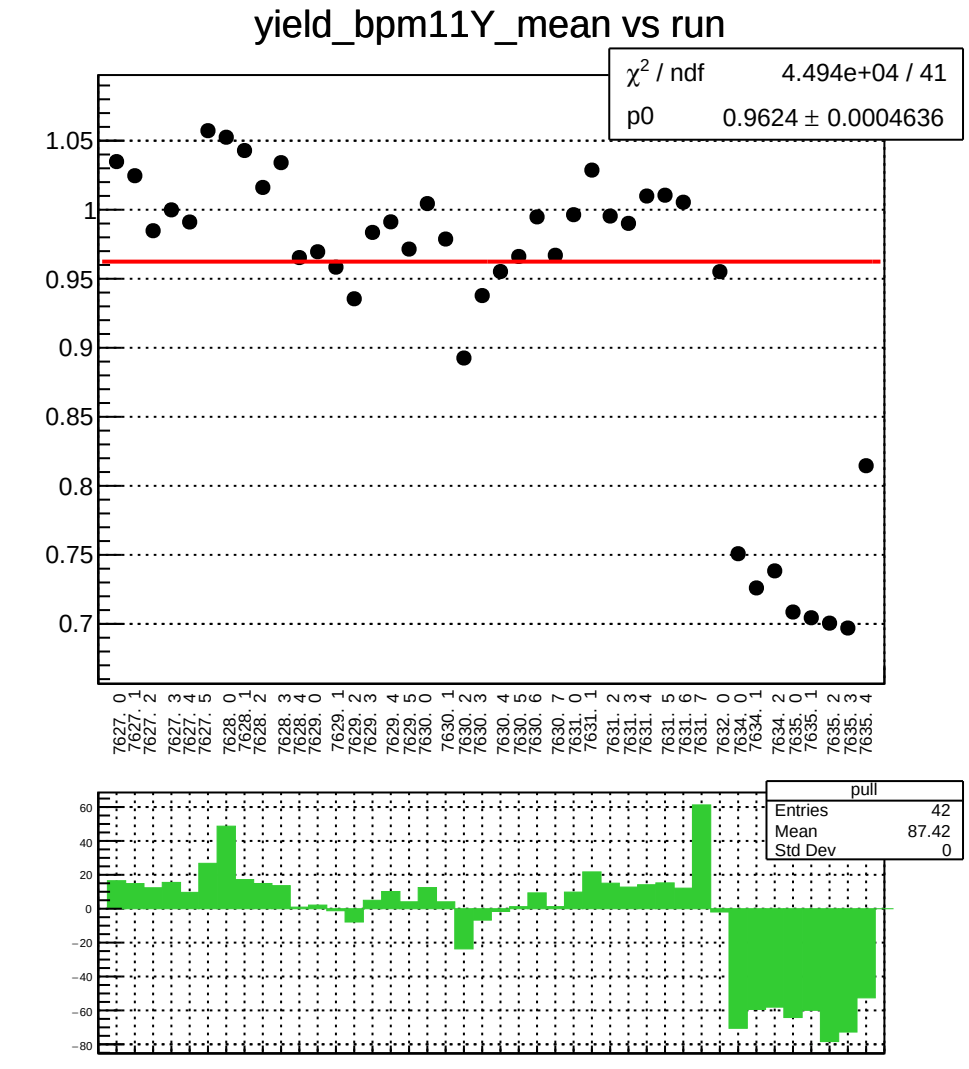

yield_bpm1Y_mean vs run
χ² / ndf 7.099e+04 / 41
p0 −1.487 ± 0.000355
−1.2
−1.3
−1.4
−1.5
−1.6
−1.7
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −95.09
Std Dev 0
80
60
40
20
0
−20
−40
−60
pull1D
Entries 42
Mean 2.64
Std Dev 3.929
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

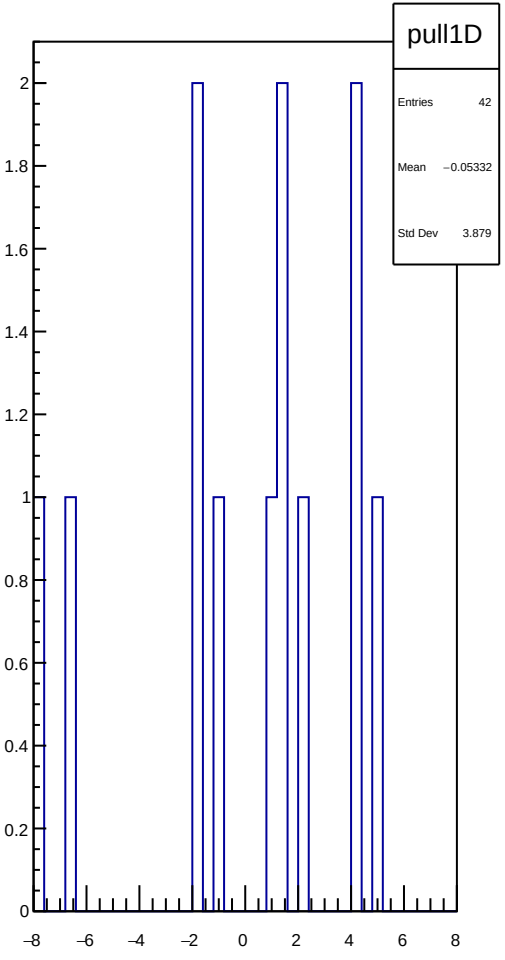

yield_bpm1Y_rms vs run
χ² / ndf 7.351e+04 / 41
p0 0.218 ± 0.000251
0.4
0.35
0.3
0.25
0.2
0.15
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

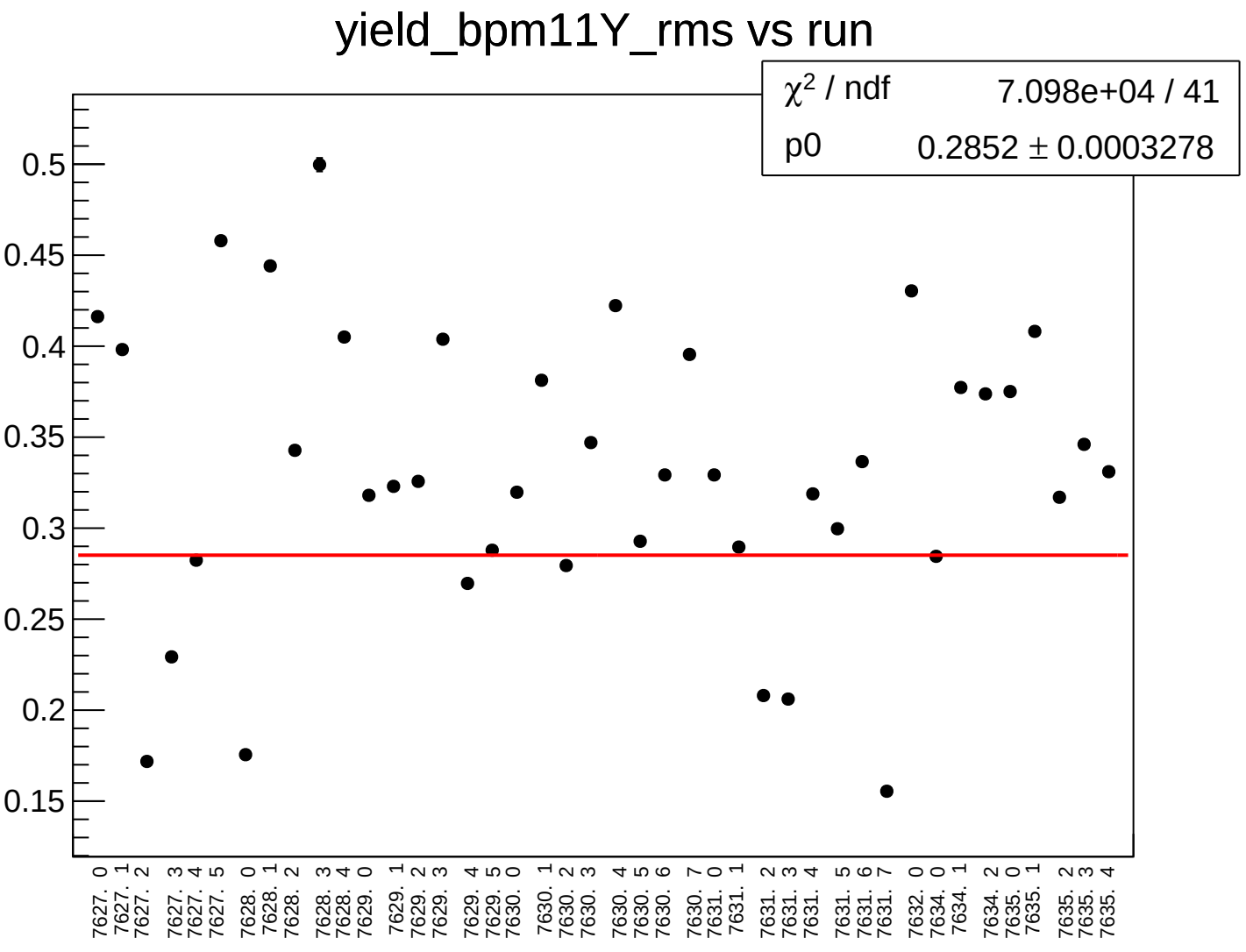

yield_bpm11X_mean vs run
χ² / ndf 1.815e+05 / 41
p0 0.9971 ± 4.486e−05
pull
Entries 42
Mean 137.3
Std Dev 0

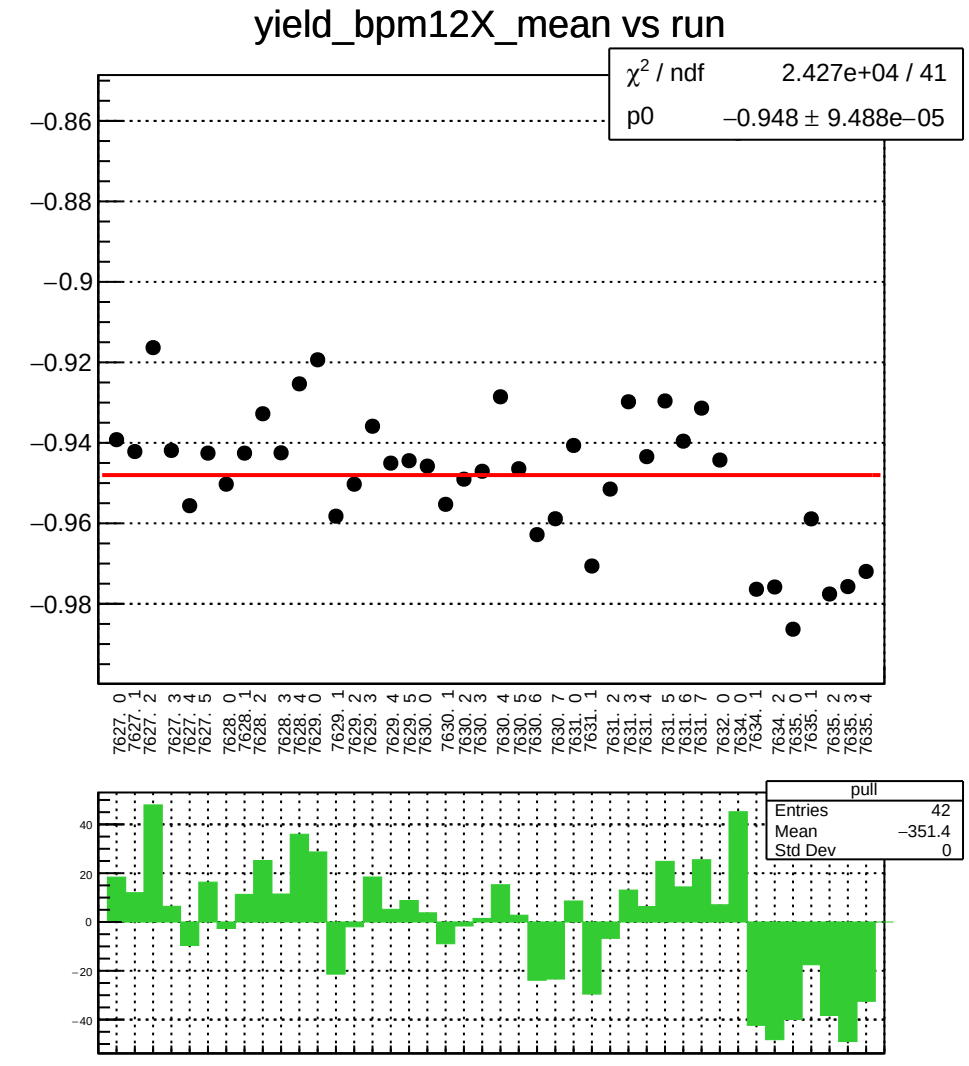

pull1D
Entries 42
Mean −5.937
Std Dev 1.638

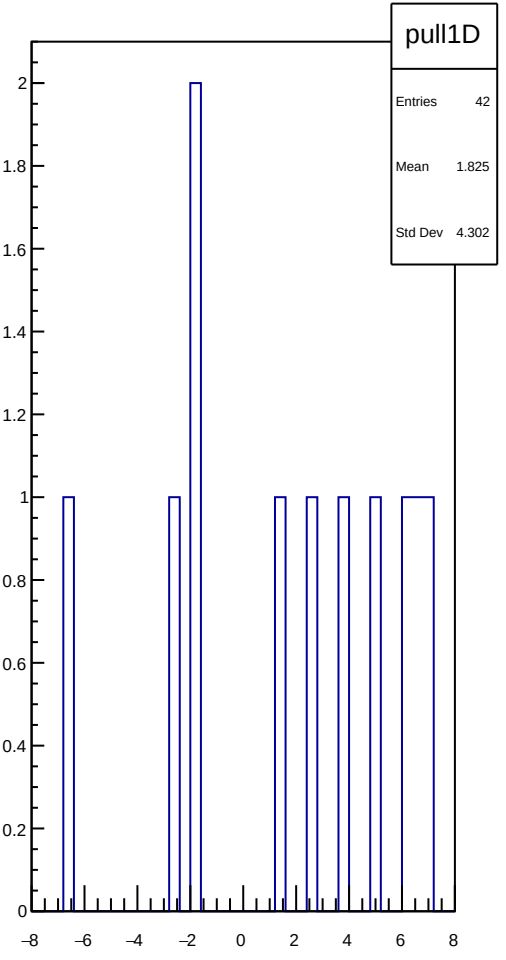

yield_bpm11X_rms vs run
χ² / ndf 5.225e+04 / 41
p0 0.02793 ± 3.172e–05
0.06
0.05
0.04
0.03
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

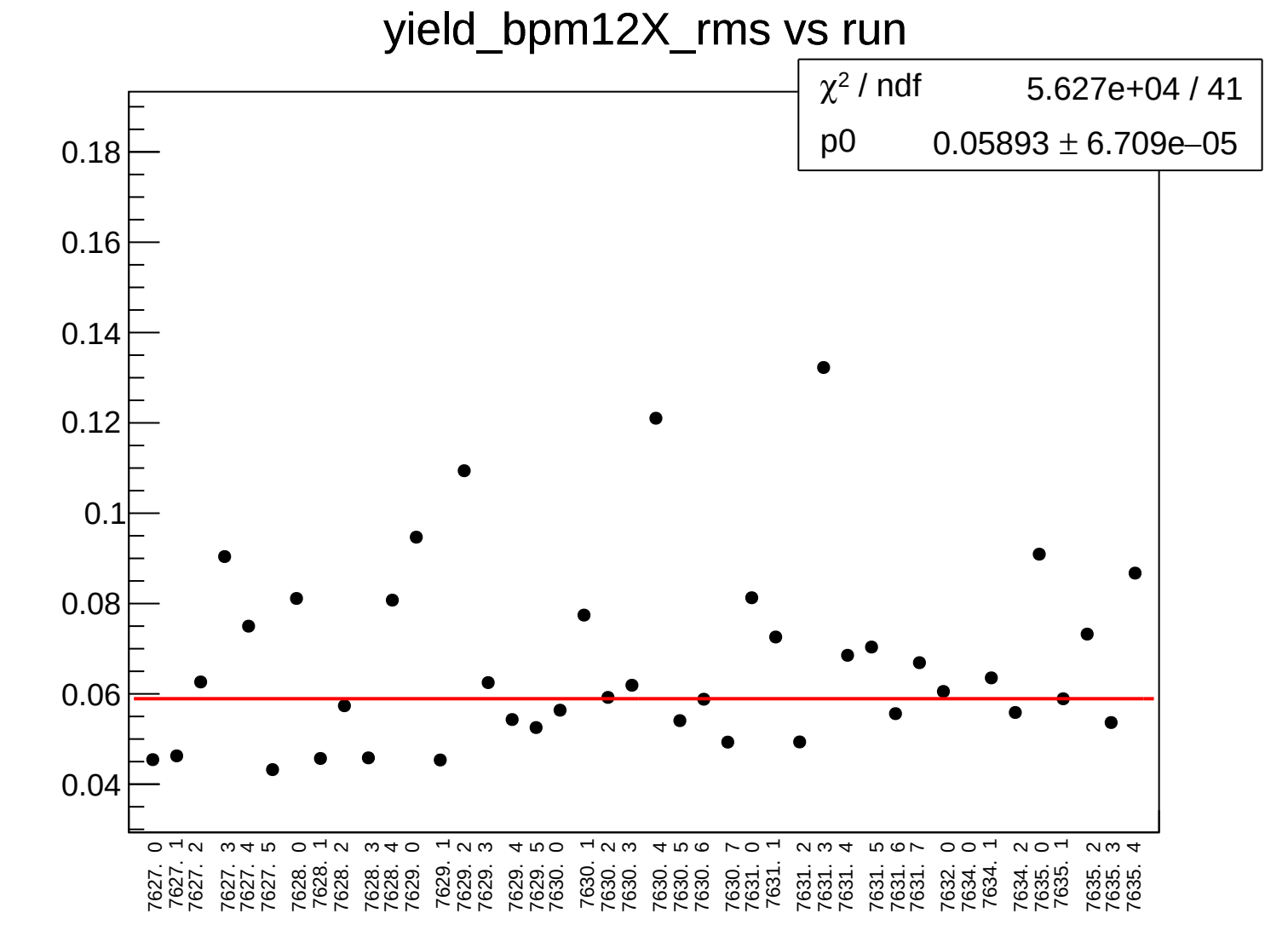

yield_bpm11Y_mean vs run
χ² / ndf 4.494e+04 / 41
p0 0.9624 ± 0.0004636
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 87.42
Std Dev 0
60
40
20
0
−20
−40
−60
−80

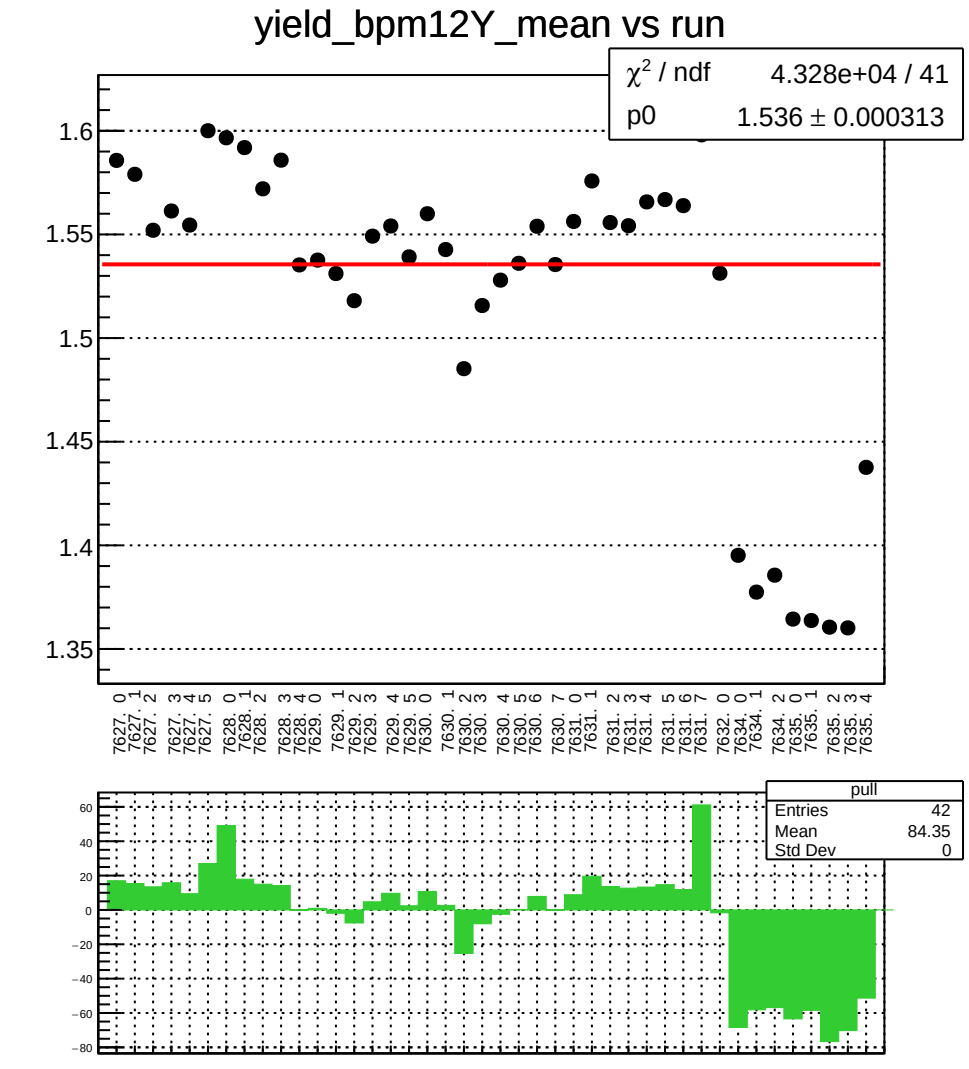

pull1D
Entries 42
Mean −0.05332
Std Dev 3.879
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

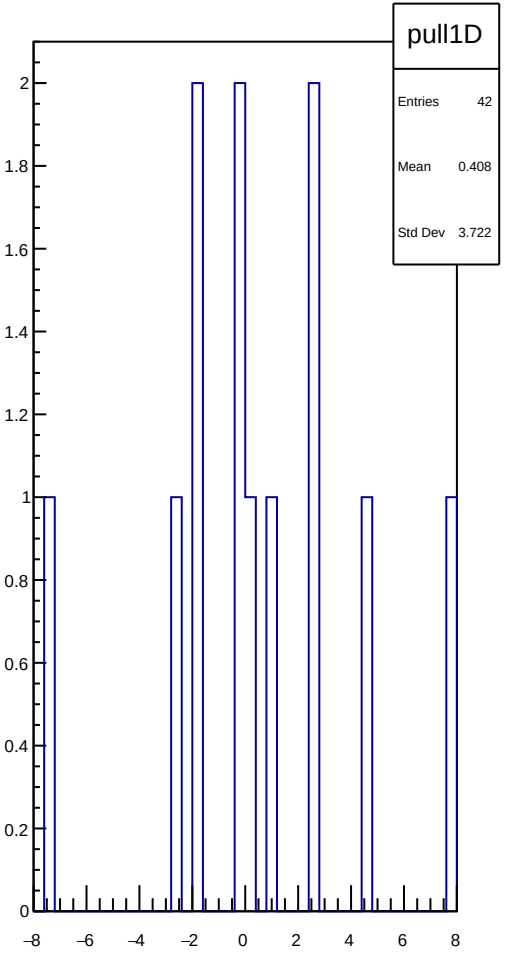

yield_bpm11Y_rms vs run
χ² / ndf 7.098e+04 / 41
p0 0.2852 ± 0.0003278
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

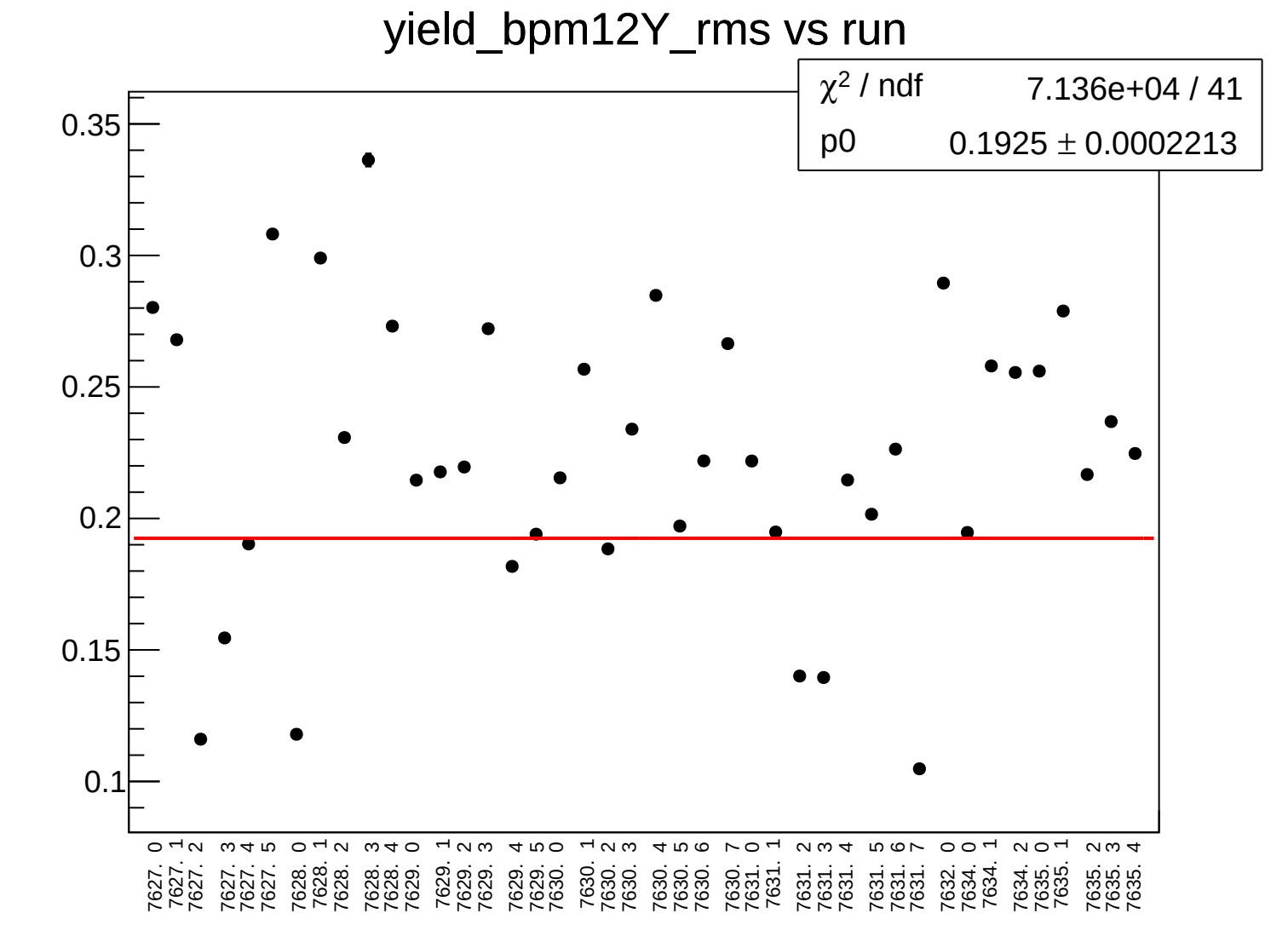

yield_bpm12X_mean vs run
χ² / ndf 2.427e+04 / 41
p0 −0.948 ± 9.488e−05
−0.86
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −351.4
Std Dev 0
40
20
0
−20
−40

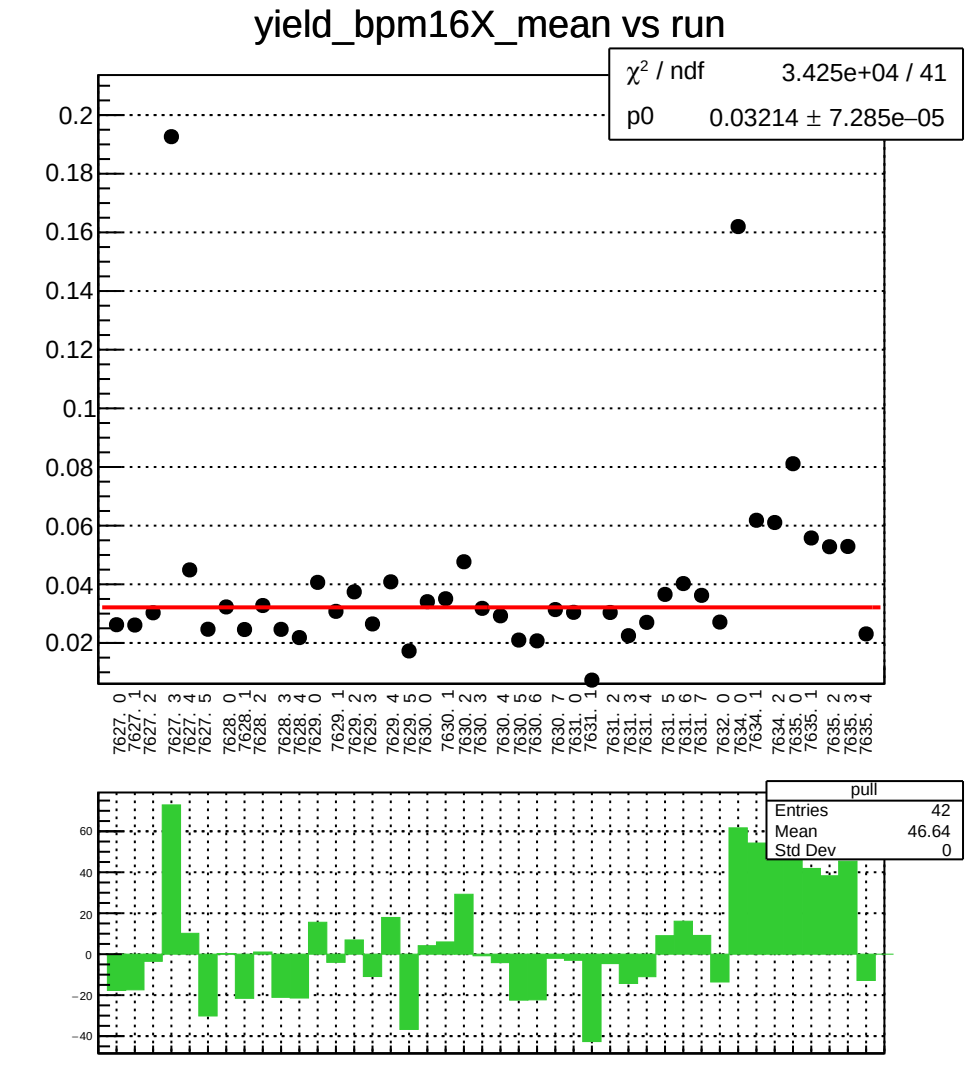

pull1D
Entries 42
Mean 1.825
Std Dev 4.302
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

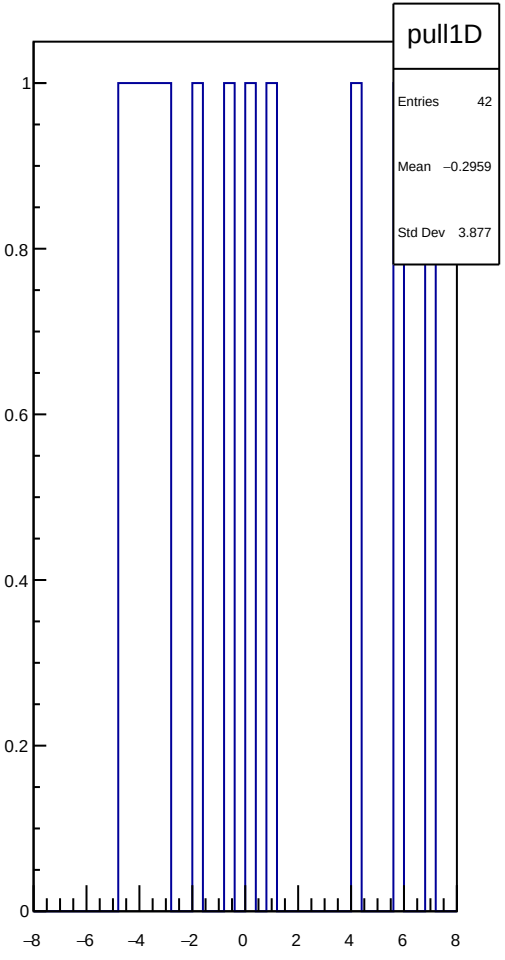

yield_bpm12X_rms vs run
χ² / ndf 5.627e+04 / 41
p0 0.05893 ± 6.709e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

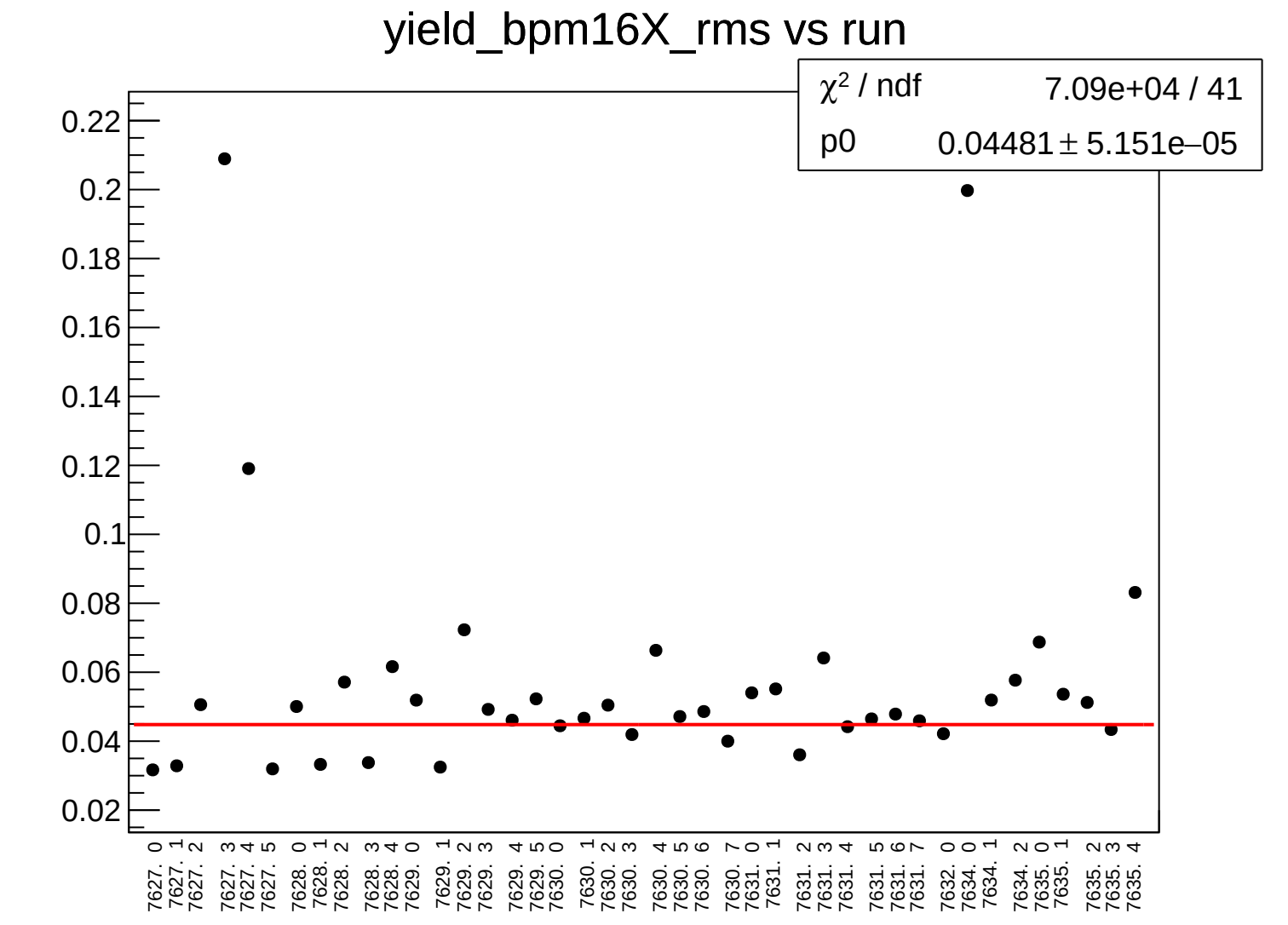

yield_bpm12Y_mean vs run
χ² / ndf 4.328e+04 / 41
p0 1.536 ± 0.000313
1.6
1.55
1.5
1.45
1.4
1.35
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 84.35
Std Dev 0
60
40
20
0
−20
−40
−60
−80

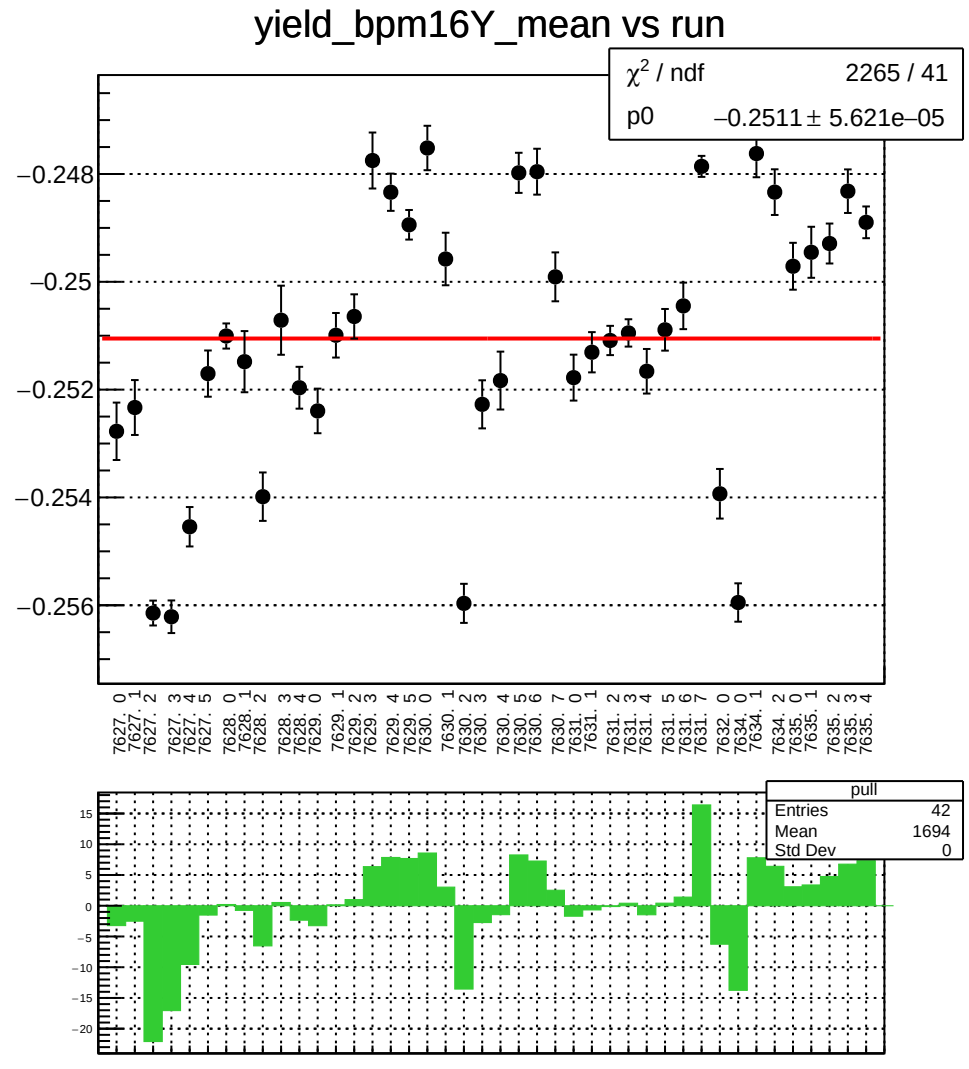

pull1D
Entries 42
Mean 0.408
Std Dev 3.722
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

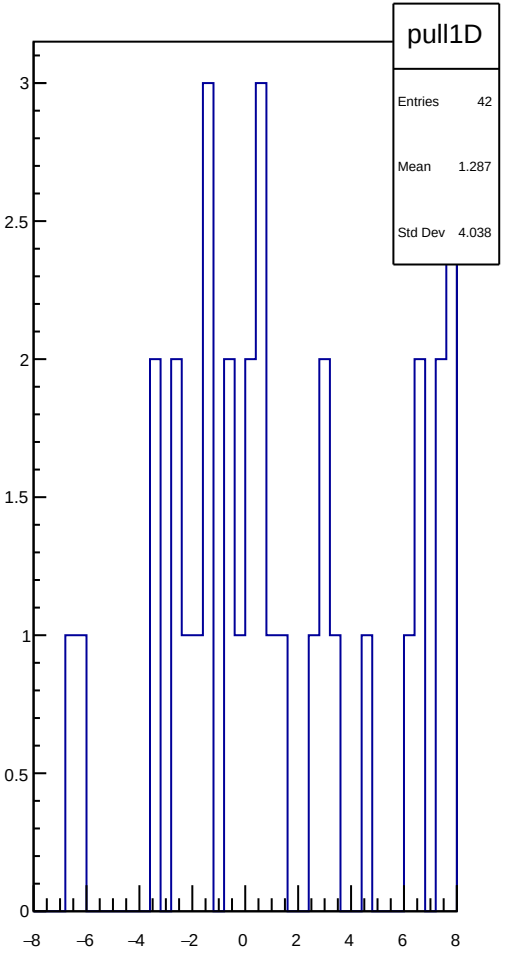

yield_bpm12Y_rms vs run
χ² / ndf 7.136e+04 / 41
p0 0.1925 ± 0.0002213
0.35
0.3
0.25
0.2
0.15
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

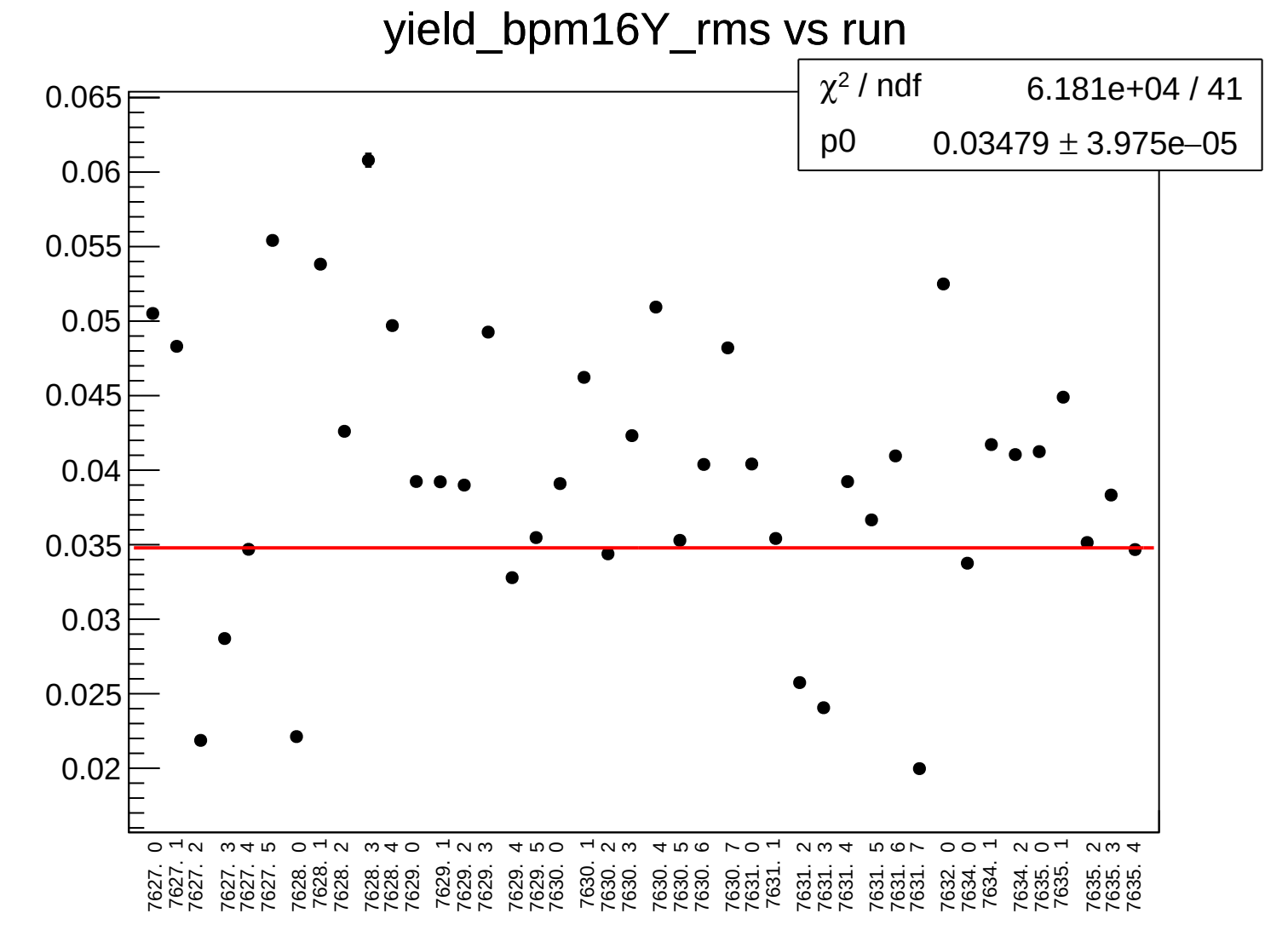

yield_bpm16X_mean vs run
χ² / ndf 3.425e+04 / 41
p0 0.03214 ± 7.285e−05
pull
Entries 42
Mean 46.64
Std Dev 0

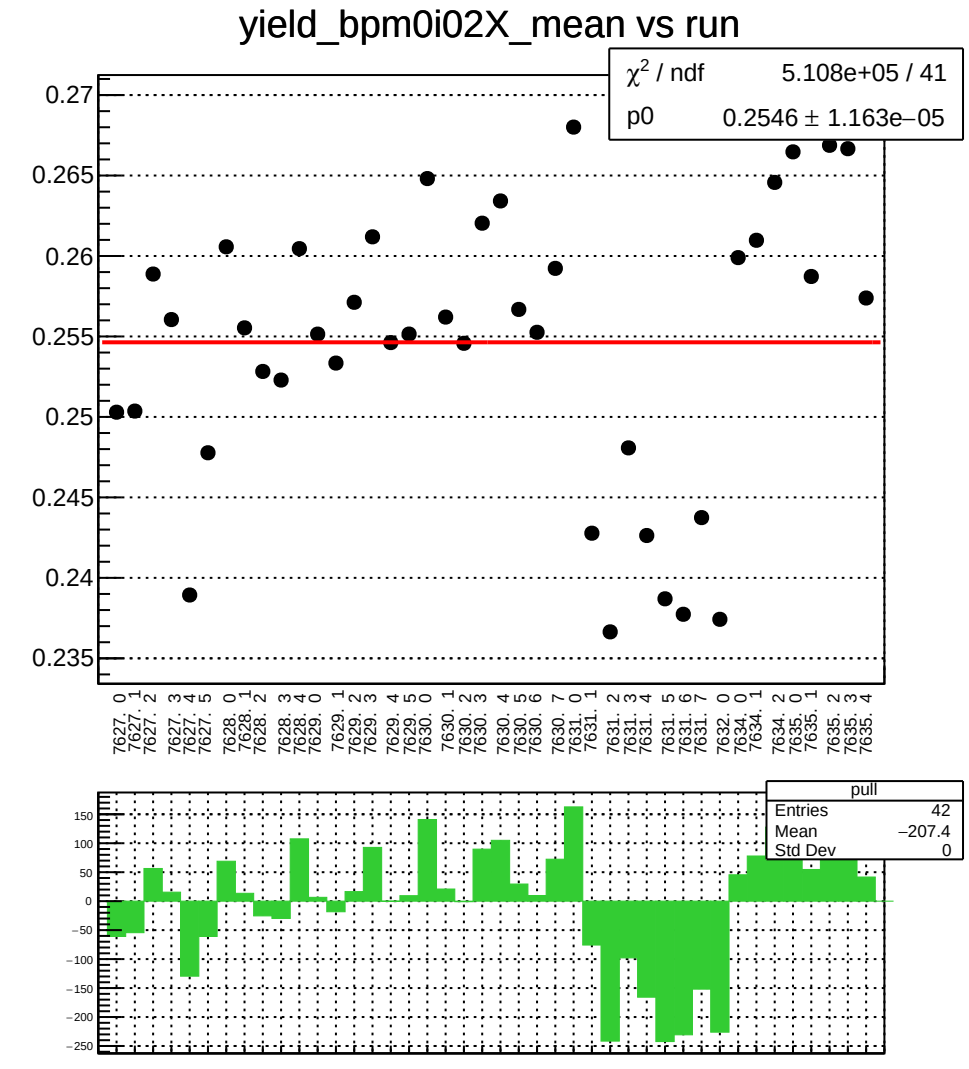

pull1D
Entries 42
Mean −0.2959
Std Dev 3.877

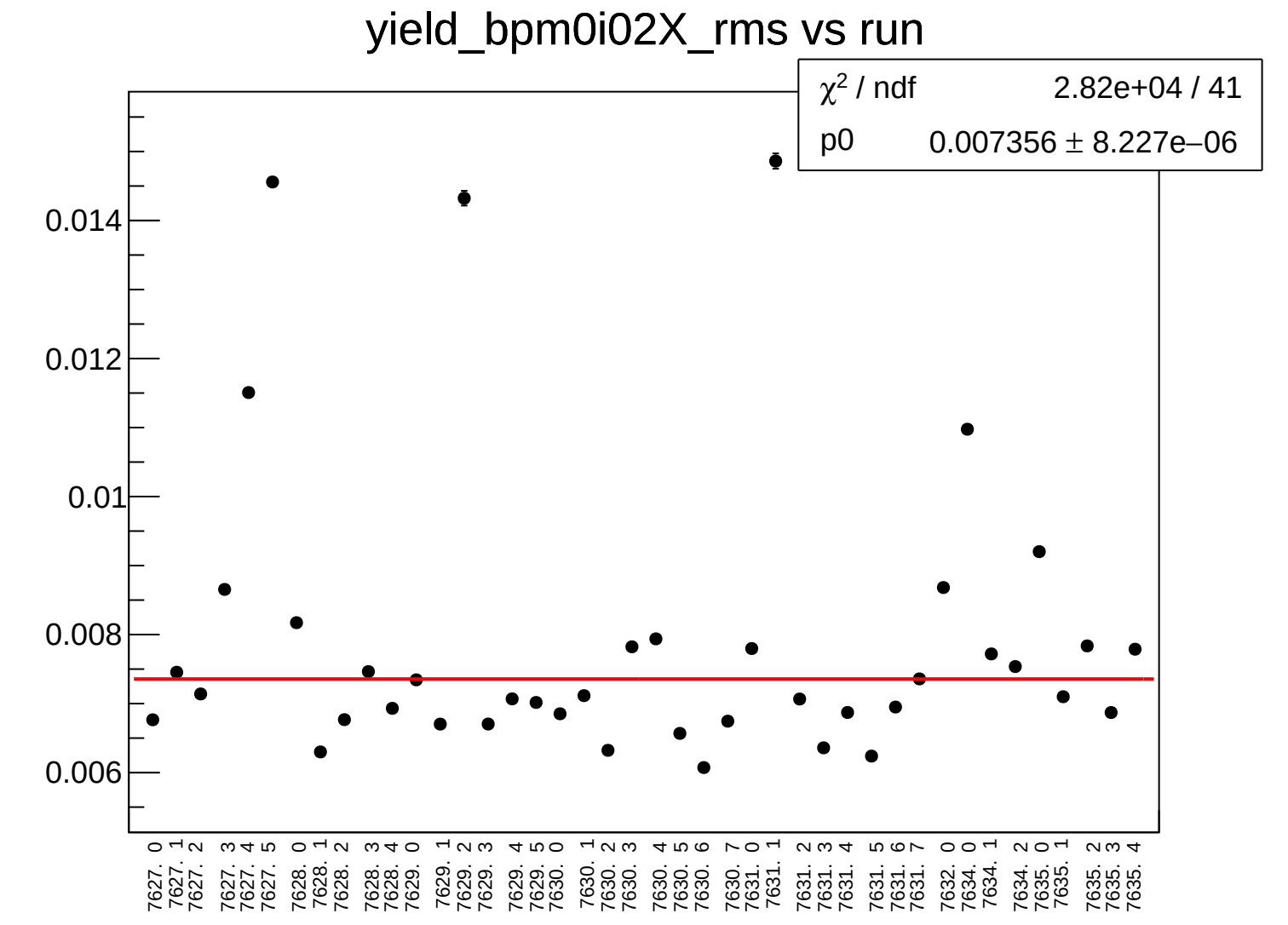

yield_bpm16X_rms vs run
χ² / ndf 7.09e+04 / 41
p0 0.04481 ± 5.151e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

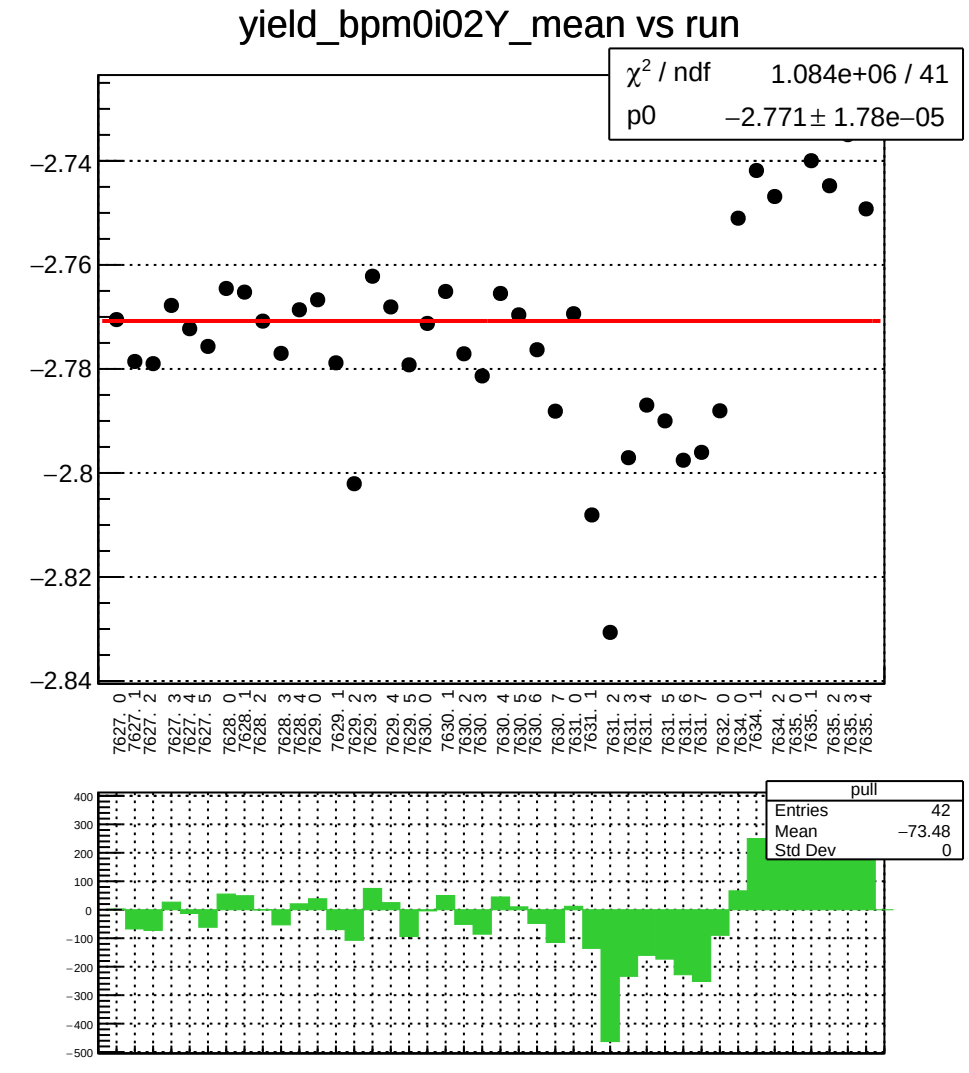

yield_bpm16Y_mean vs run
χ² / ndf 2265 / 41
p0 −0.2511 ± 5.621e−05
−0.248
−0.25
−0.252
−0.254
−0.256
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1694
Std Dev 0
15
10
5
0
−5
−10
−15
−20

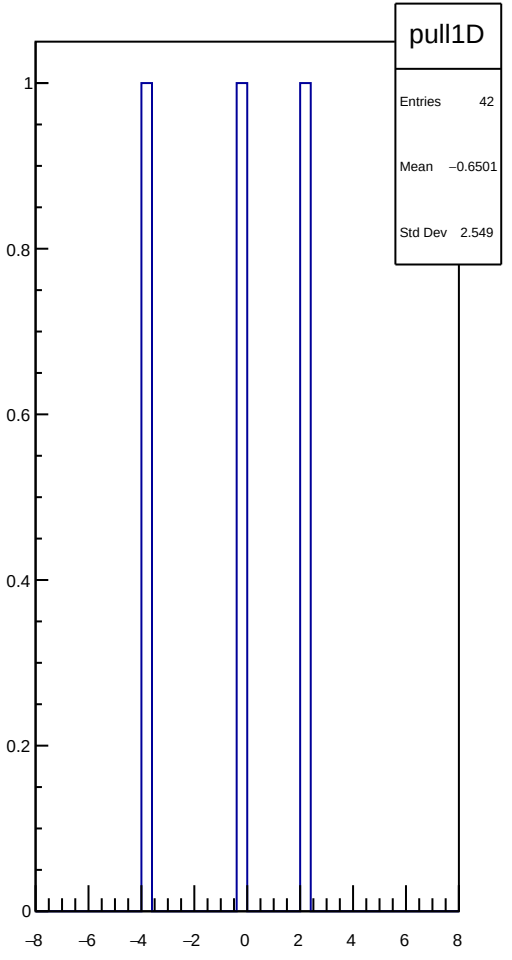

pull1D
Entries 42
Mean 1.287
Std Dev 4.038
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

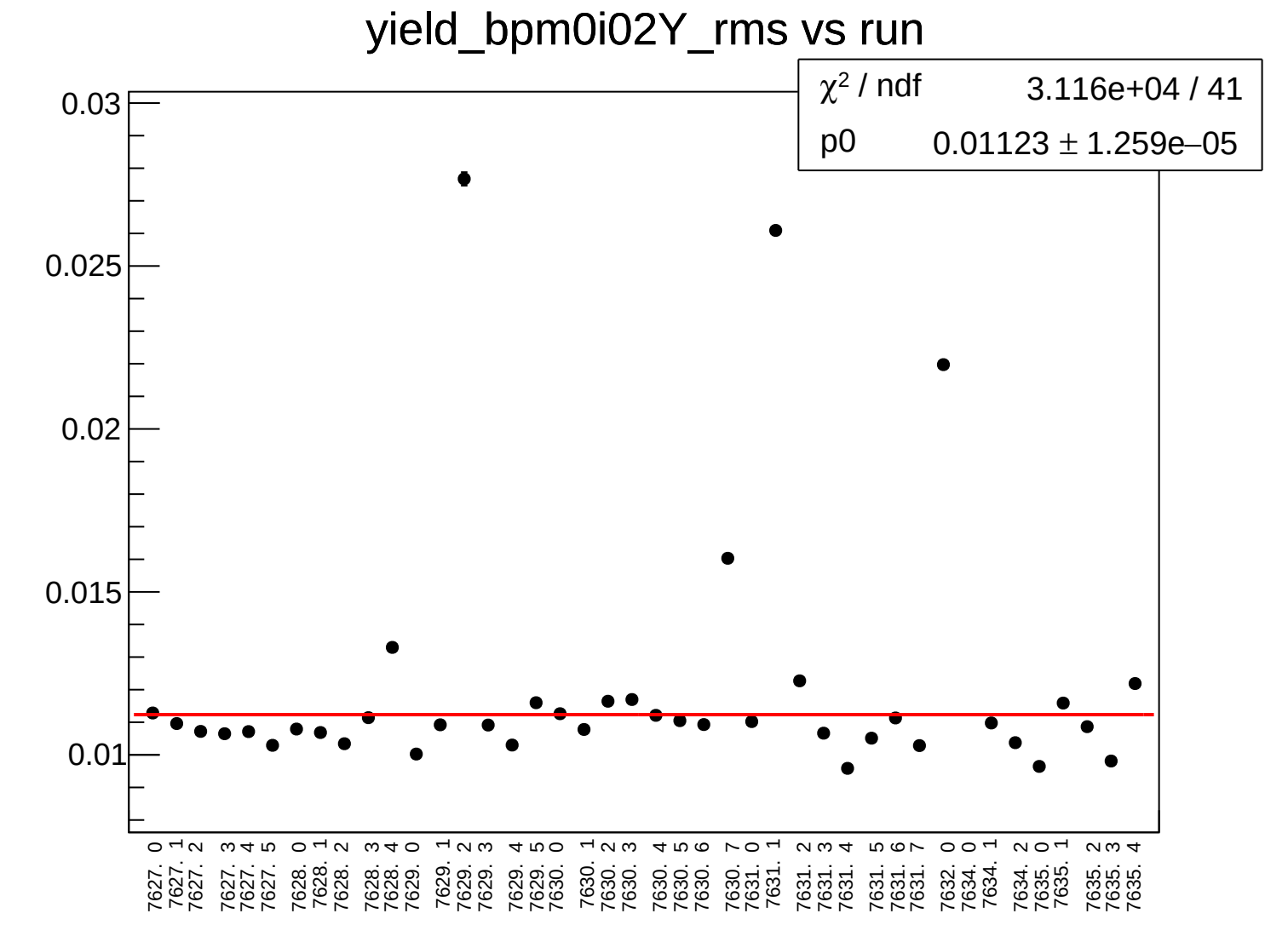

yield_bpm16Y_rms vs run
χ² / ndf 6.181e+04 / 41
p0 0.03479 ± 3.975e−05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

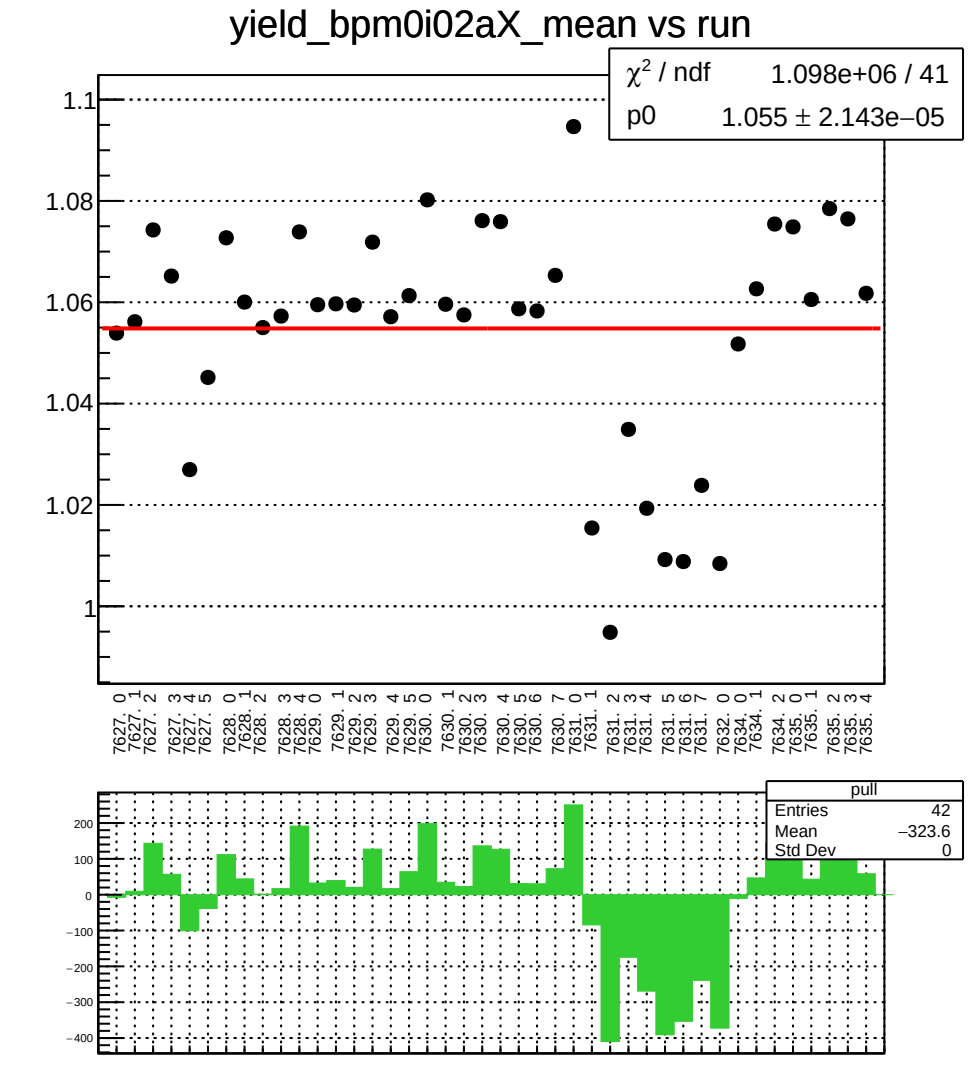

yield_bpm0i02X_mean vs run
χ² / ndf 5.108e+05 / 41
p0 0.2546 ± 1.163e−05
0.27
0.265
0.26
0.255
0.25
0.245
0.24
0.235
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −207.4
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 42
Mean 1.817
Std Dev 3.38
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

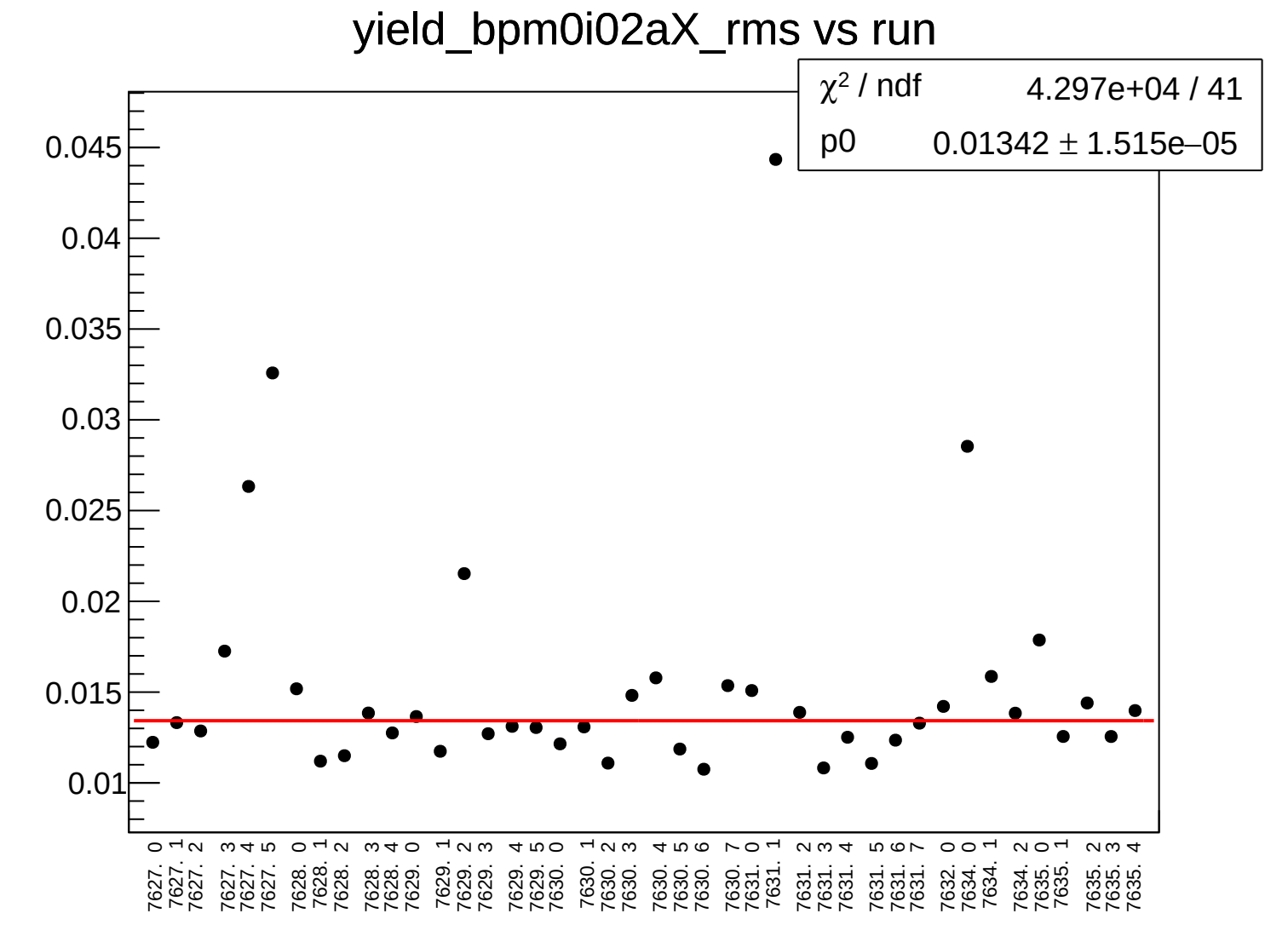

yield_bpm0i02X_rms vs run
χ² / ndf 2.82e+04 / 41
p0 0.007356 ± 8.227e−06
0.014
0.012
0.01
0.008
0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

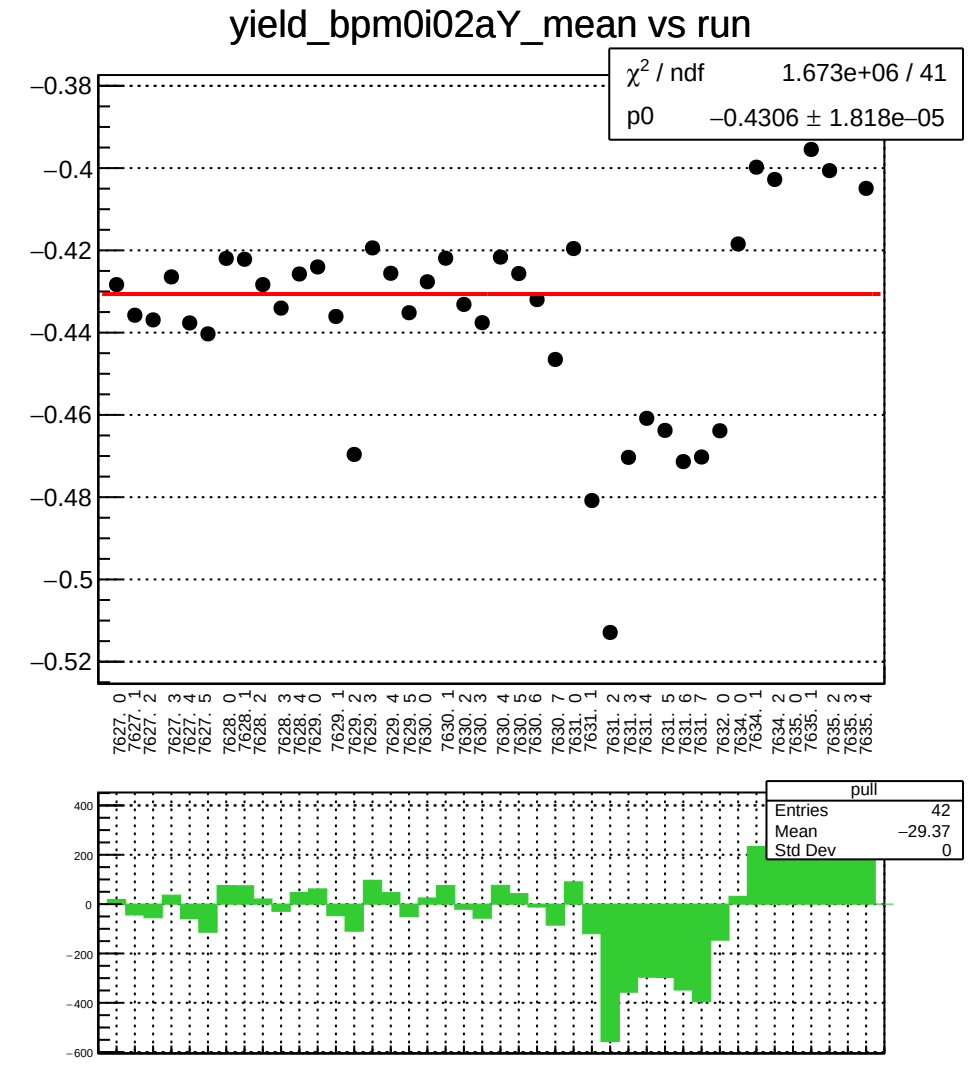

yield_bpm0i02Y_mean vs run
χ² / ndf 1.084e+06 / 41
p0 −2.771 ± 1.78e−05
−2.74
−2.76
−2.78
−2.8
−2.82
−2.84
pull
Entries 42
Mean −73.48
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
−500

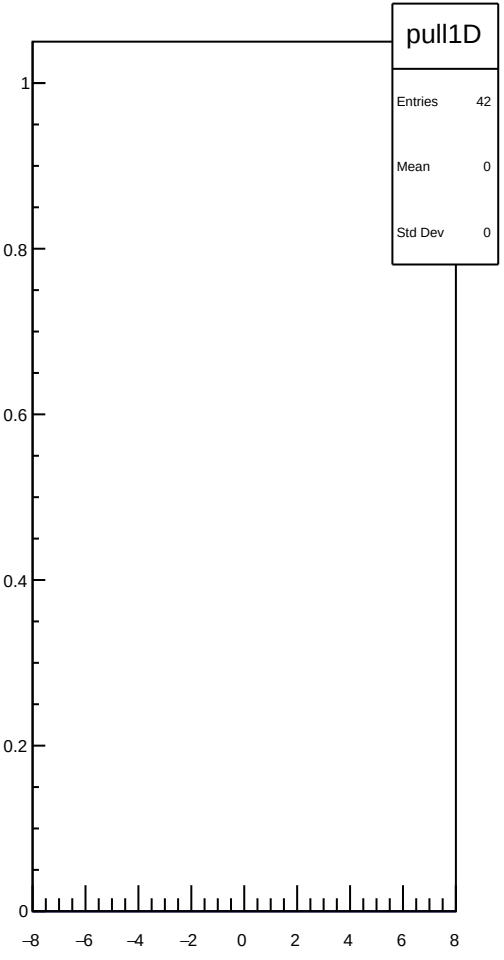

pull1D
Entries 42
Mean −0.6501
Std Dev 2.549
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

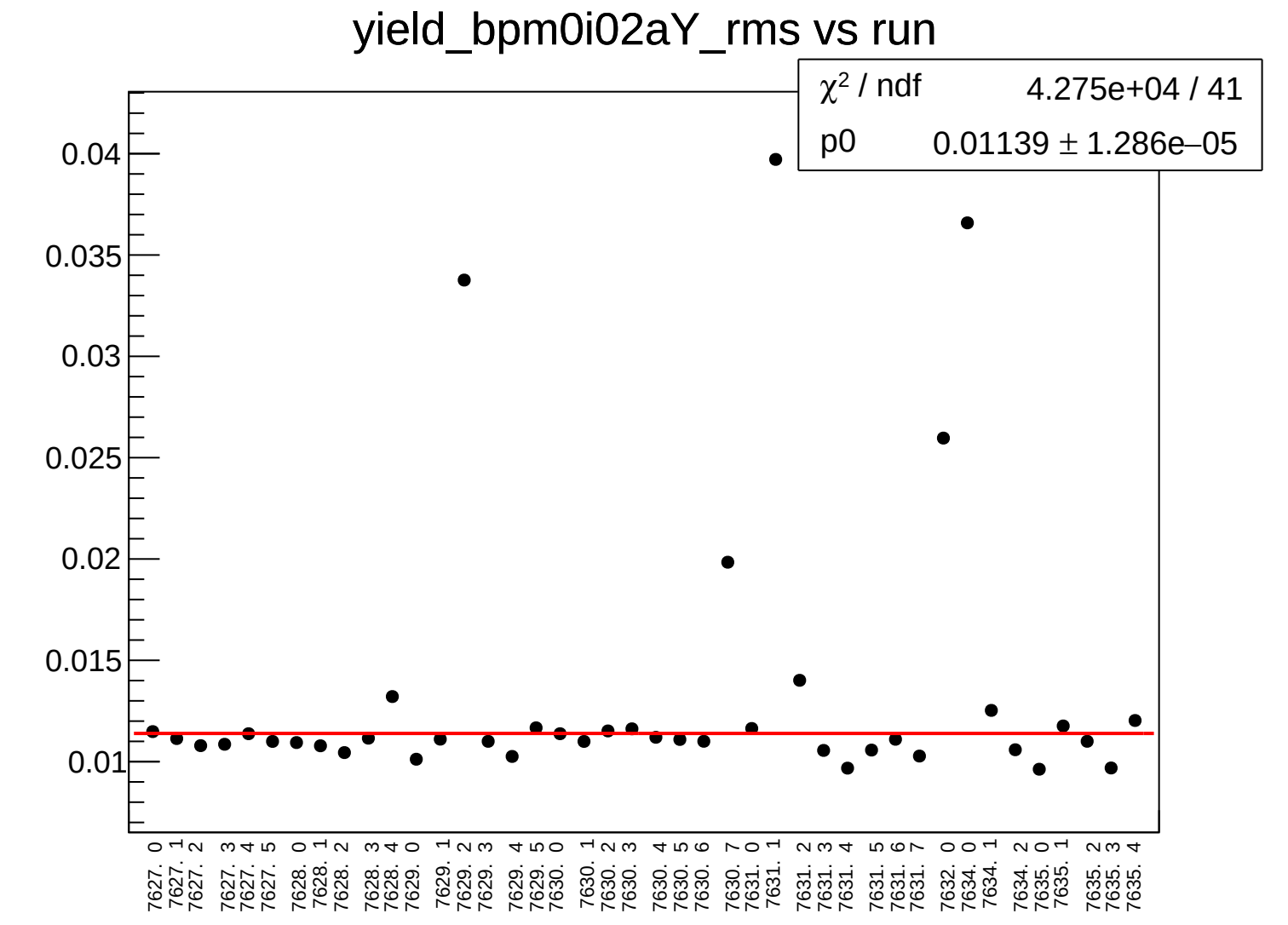

yield_bpm0i02Y_rms vs run
χ² / ndf 3.116e+04 / 41
p0 0.01123 ± 1.259e–05
0.03
0.025
0.02
0.015
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

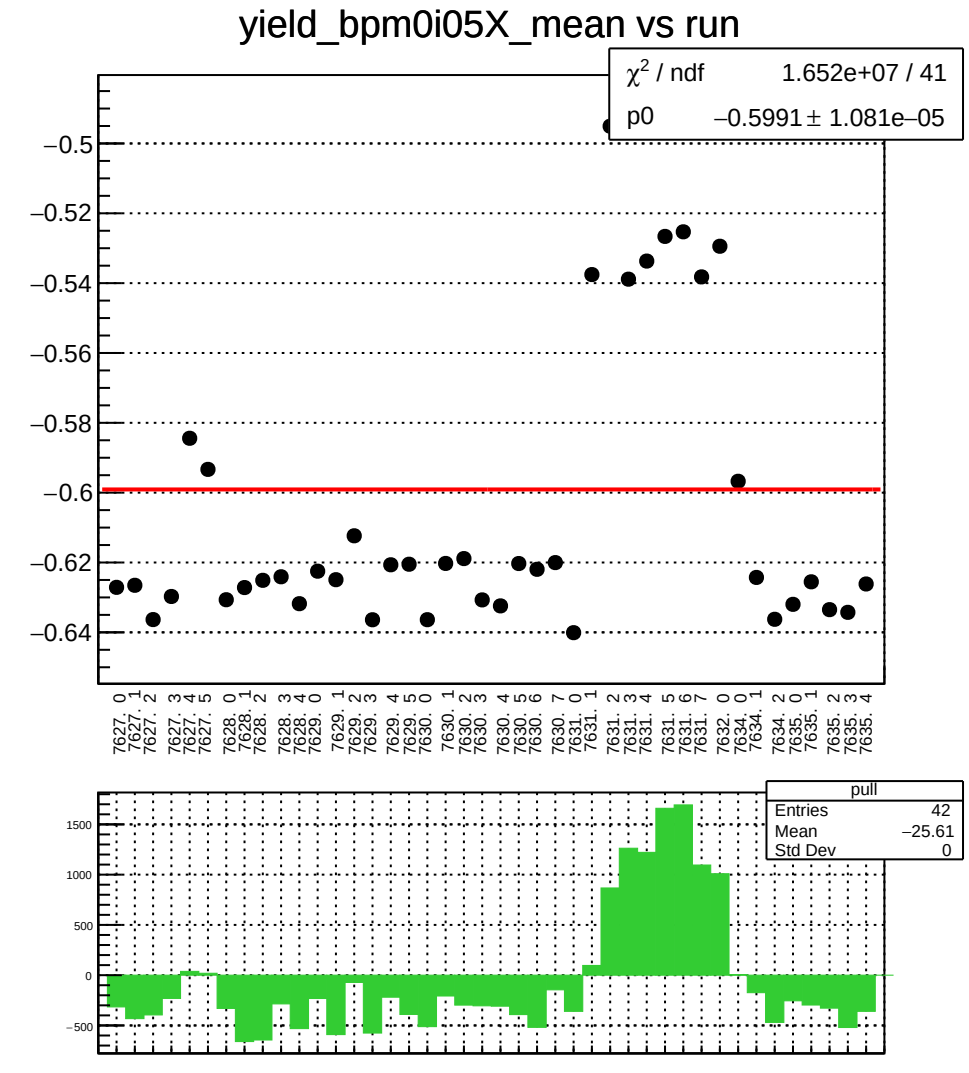

yield_bpm0i02aX_mean vs run
χ² / ndf 1.098e+06 / 41
p0 1.055 ± 2.143e−05
1.1
1.08
1.06
1.04
1.02
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −323.6
Std Dev 0
200
100
0
−100
−200
−300
−400
pull1D
Entries 42
Mean −2.873
Std Dev 4.272
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

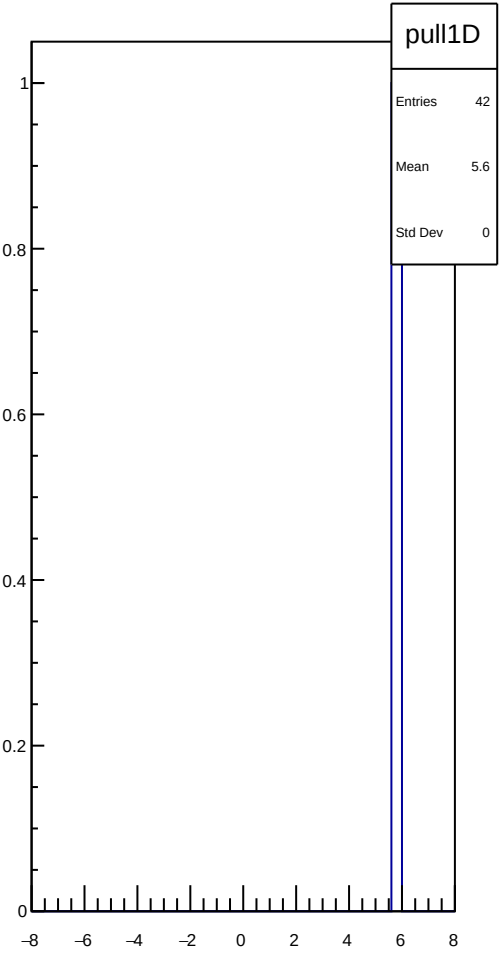

yield_bpm0i02aX_rms vs run
χ² / ndf 4.297e+04 / 41
p0 0.01342 ± 1.515e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

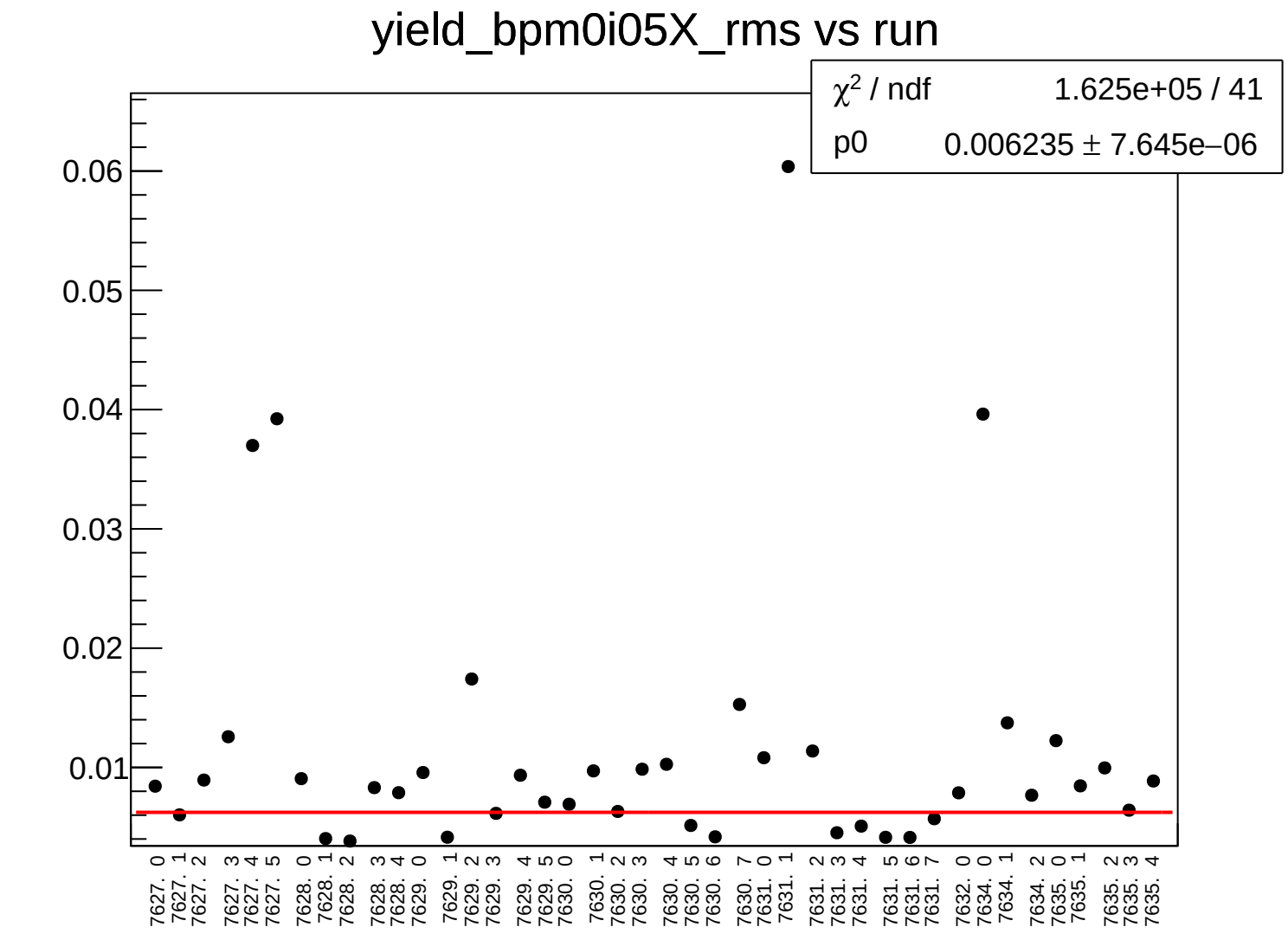

yield_bpm0i02aY_mean vs run
χ² / ndf 1.673e+06 / 41
p0 −0.4306 ± 1.818e−05
−0.38
−0.4
−0.42
−0.44
−0.46
−0.48
−0.5
−0.52
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −29.37
Std Dev 0
400
200
0
−200
−400
−600

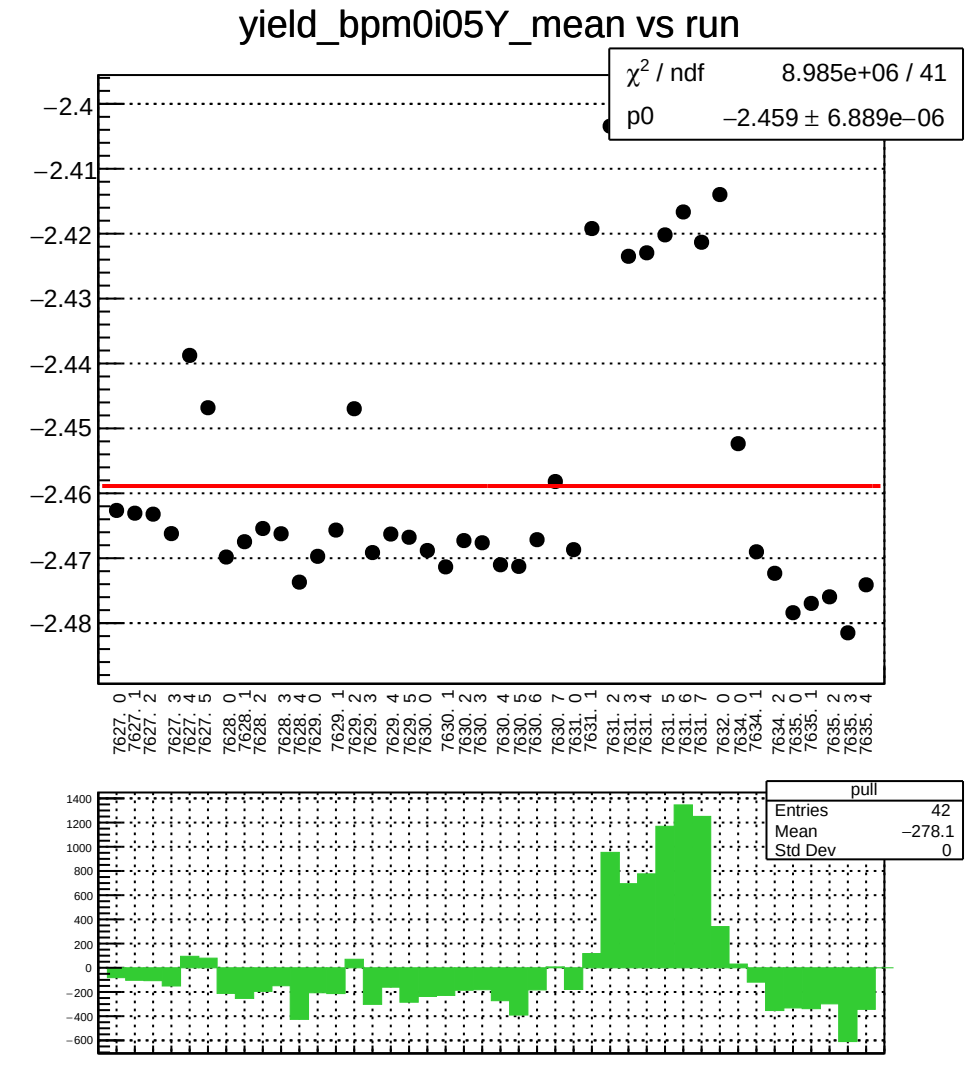

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

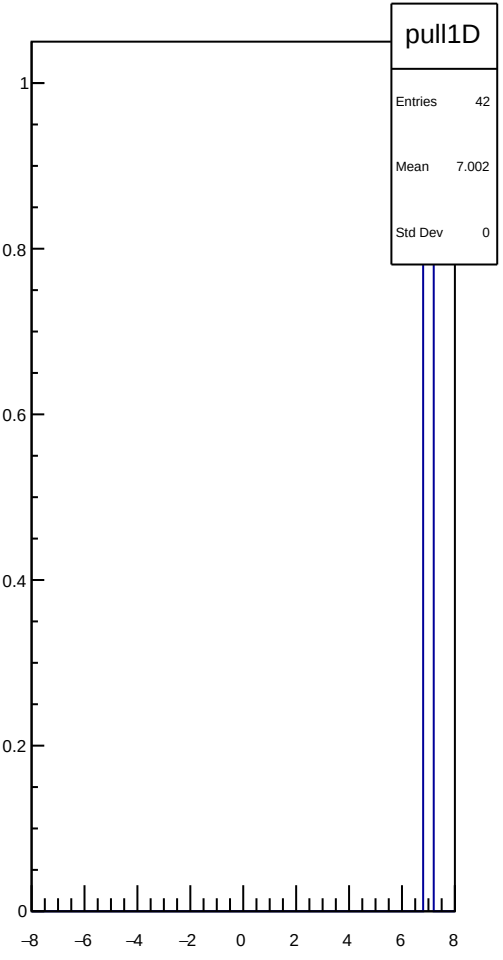

yield_bpm0i02aY_rms vs run
χ² / ndf 4.275e+04 / 41
p0 0.01139 ± 1.286e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

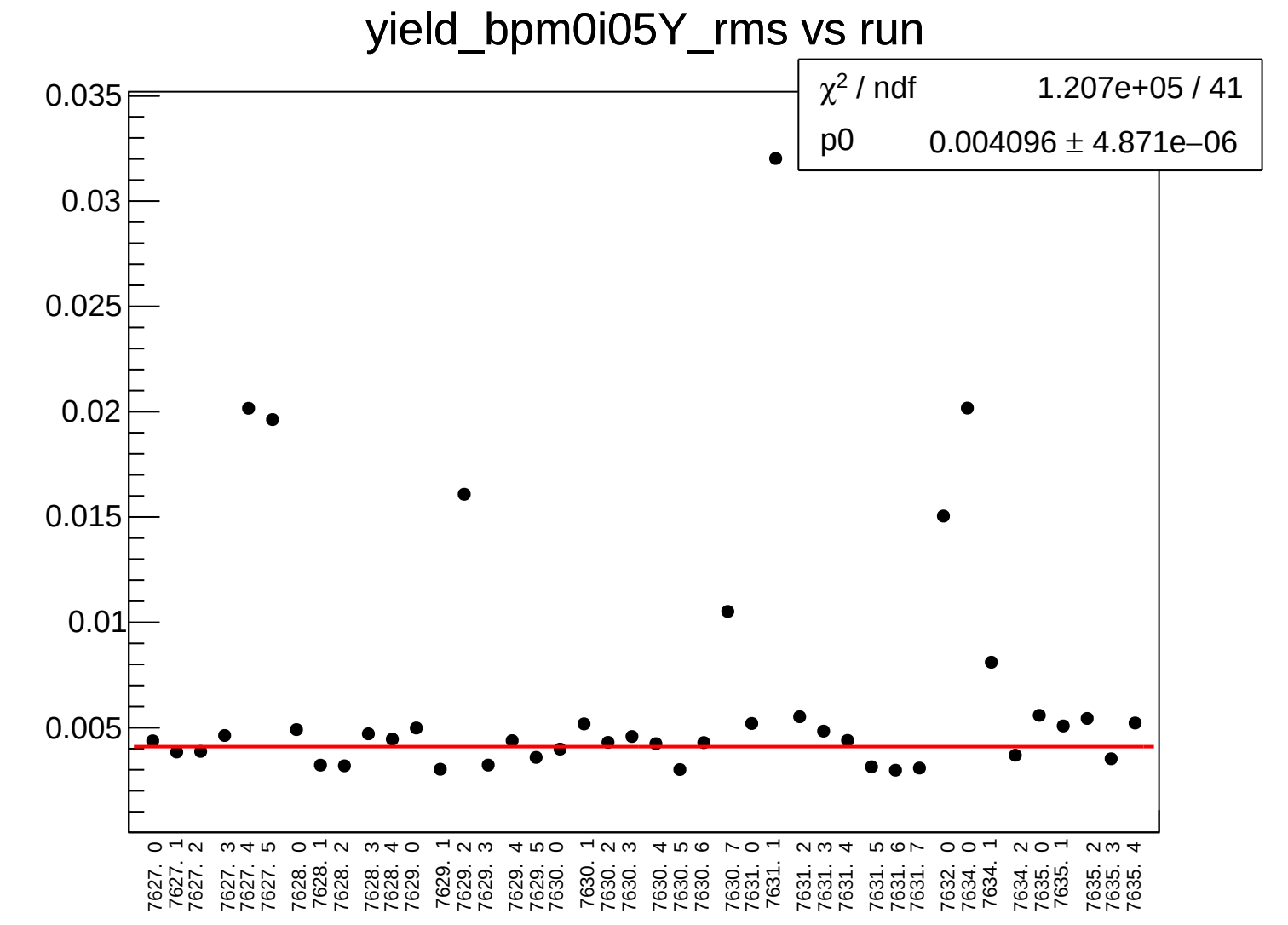

yield_bpm0i05X_mean vs run
χ² / ndf 1.652e+07 / 41
p0 −0.5991 ± 1.081e−05
−0.5
−0.52
−0.54
−0.56
−0.58
−0.6
−0.62
−0.64
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.61
Std Dev 0
1500
1000
500
0
−500

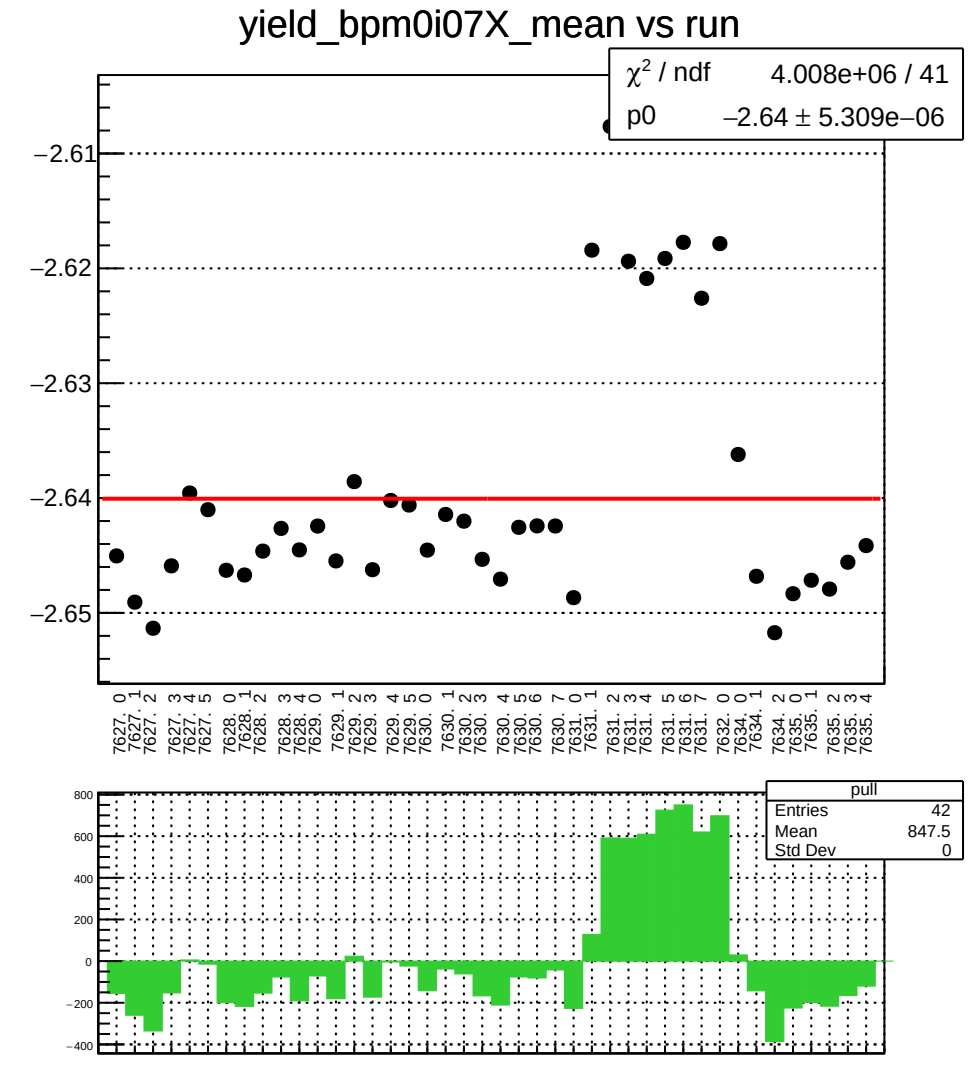

pull1D
Entries 42
Mean 5.6
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

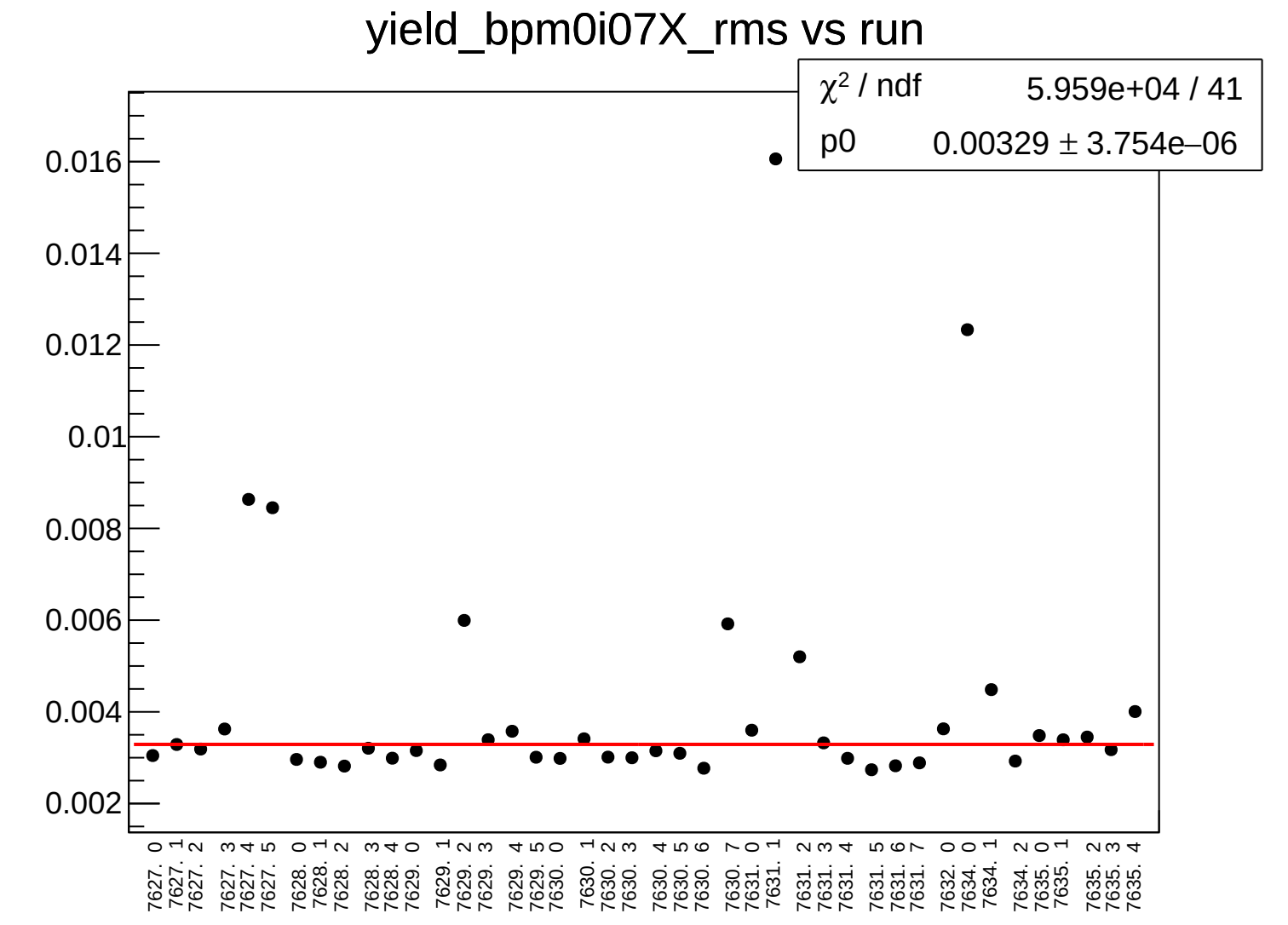

yield_bpm0i05X_rms vs run
χ² / ndf 1.625e+05 / 41
p0 0.006235 ± 7.645e−06
0.06
0.05
0.04
0.03
0.02
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

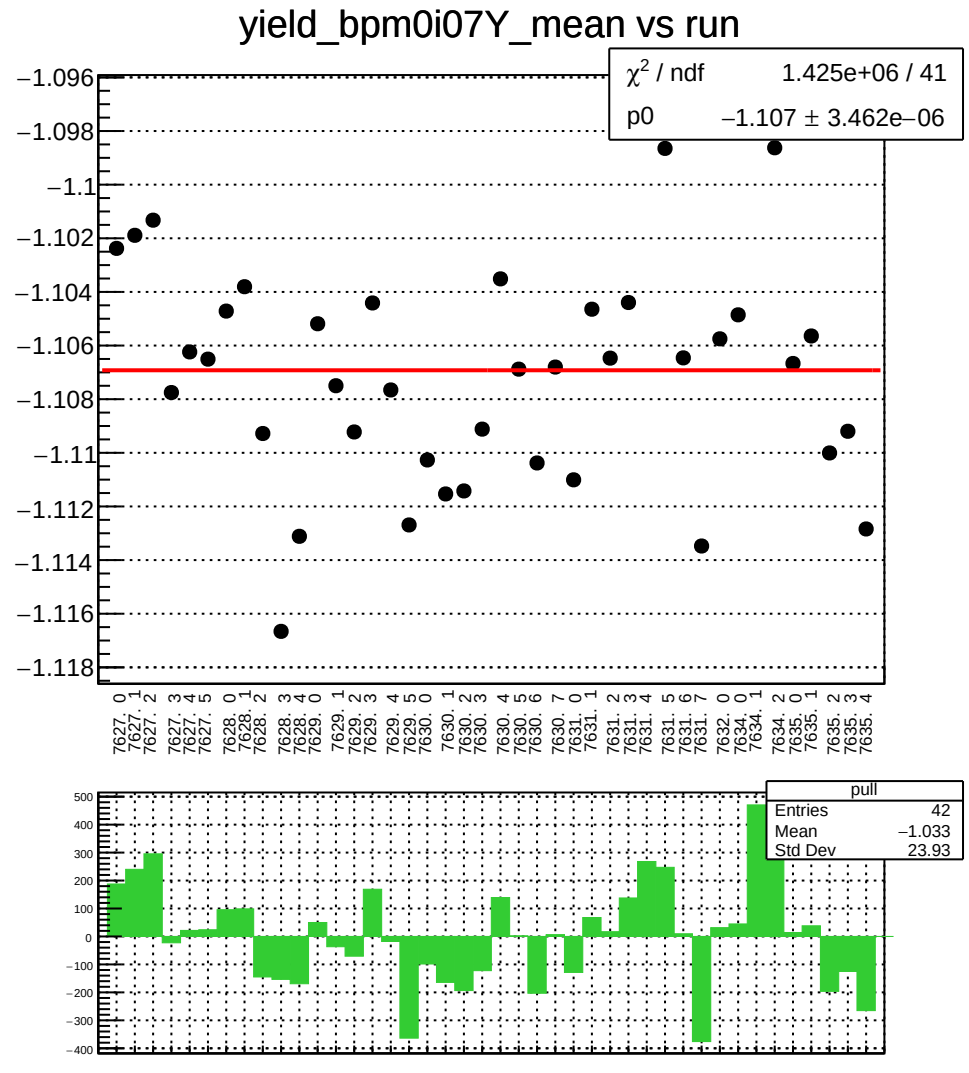

yield_bpm0i05Y_mean vs run
χ² / ndf 8.985e+06 / 41
p0 −2.459 ± 6.889e−06
−2.4
−2.41
−2.42
−2.43
−2.44
−2.45
−2.46
−2.47
−2.48
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −278.1
Std Dev 0
1400
1200
1000
800
600
400
200
0
−200
−400
−600

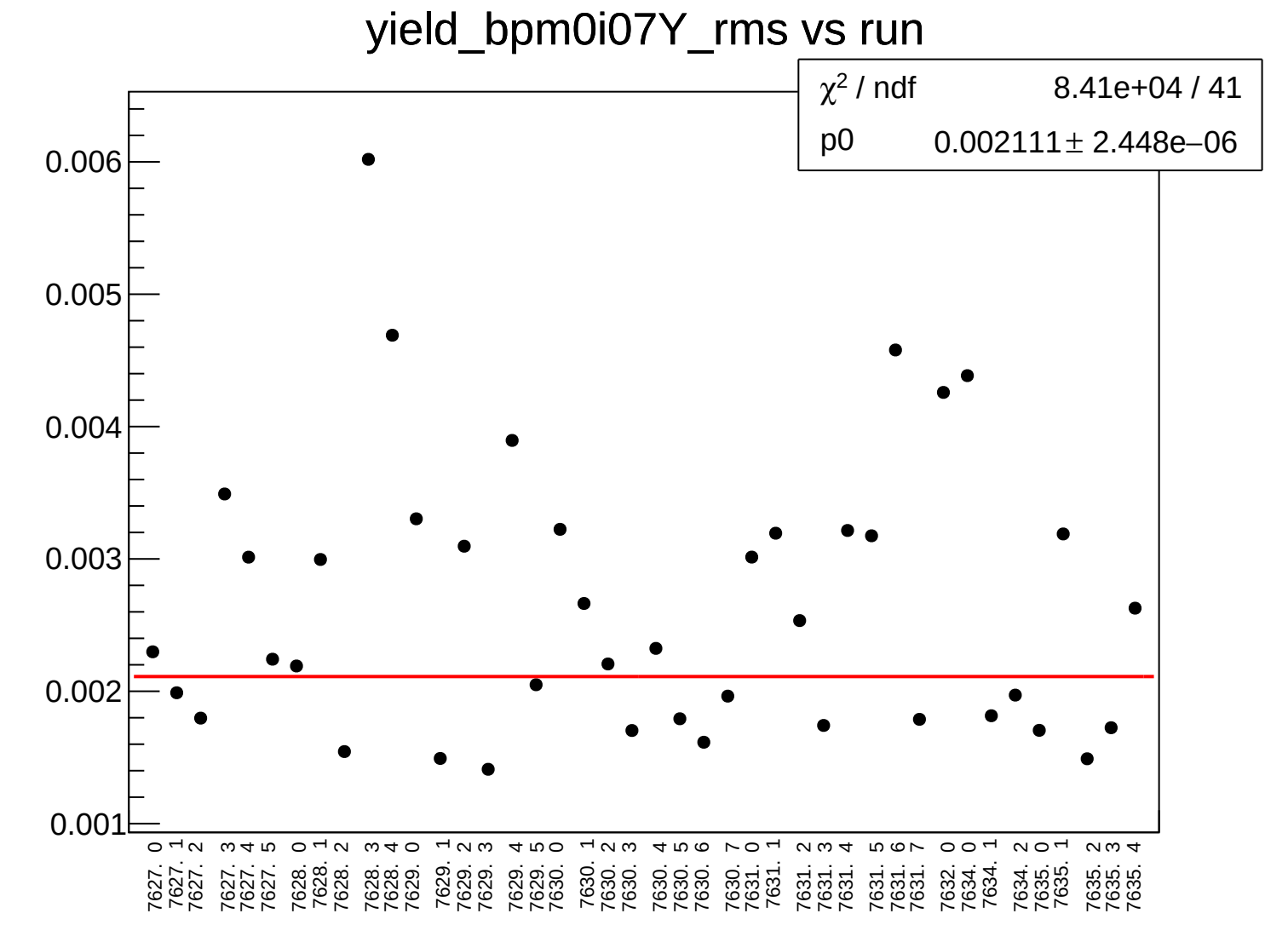

pull1D
Entries 42
Mean 7.002
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

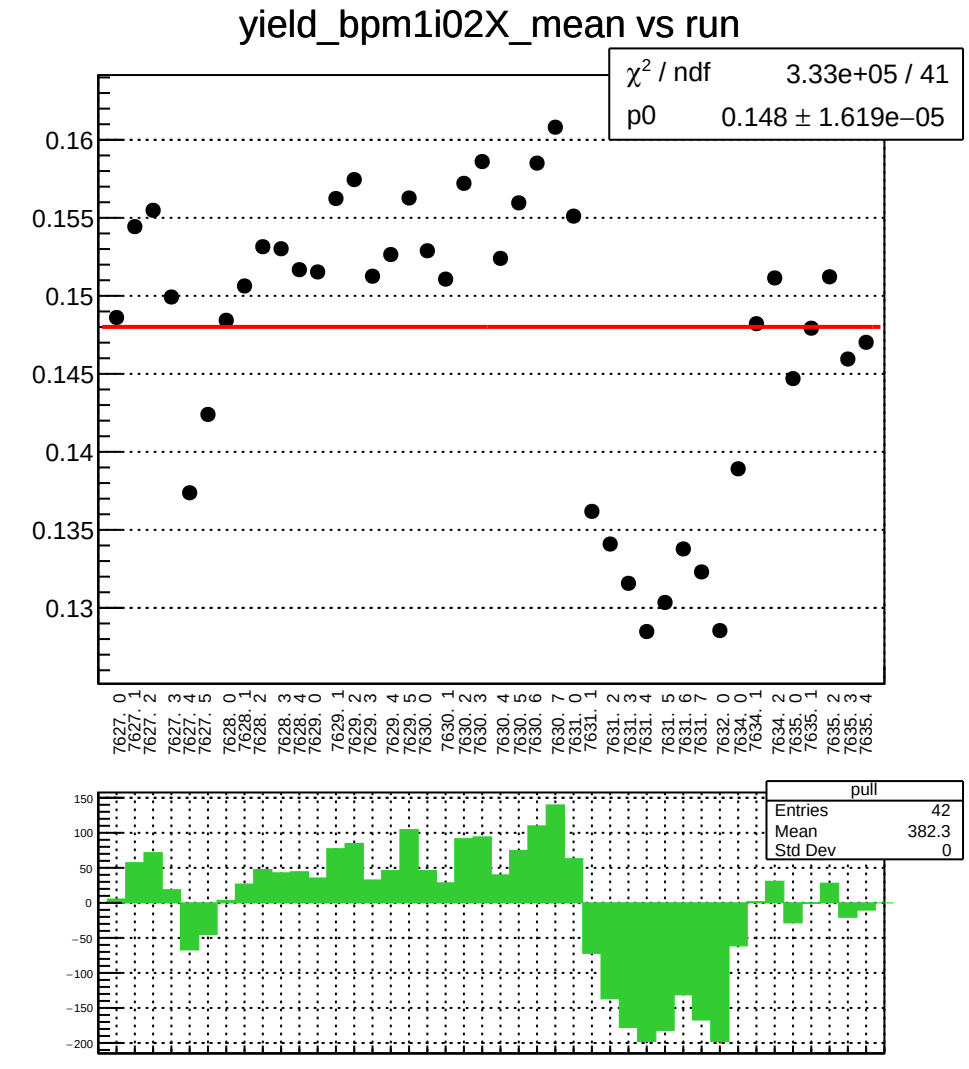

yield_bpm0i05Y_rms vs run
χ² / ndf 1.207e+05 / 41
p0 0.004096 ± 4.871e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

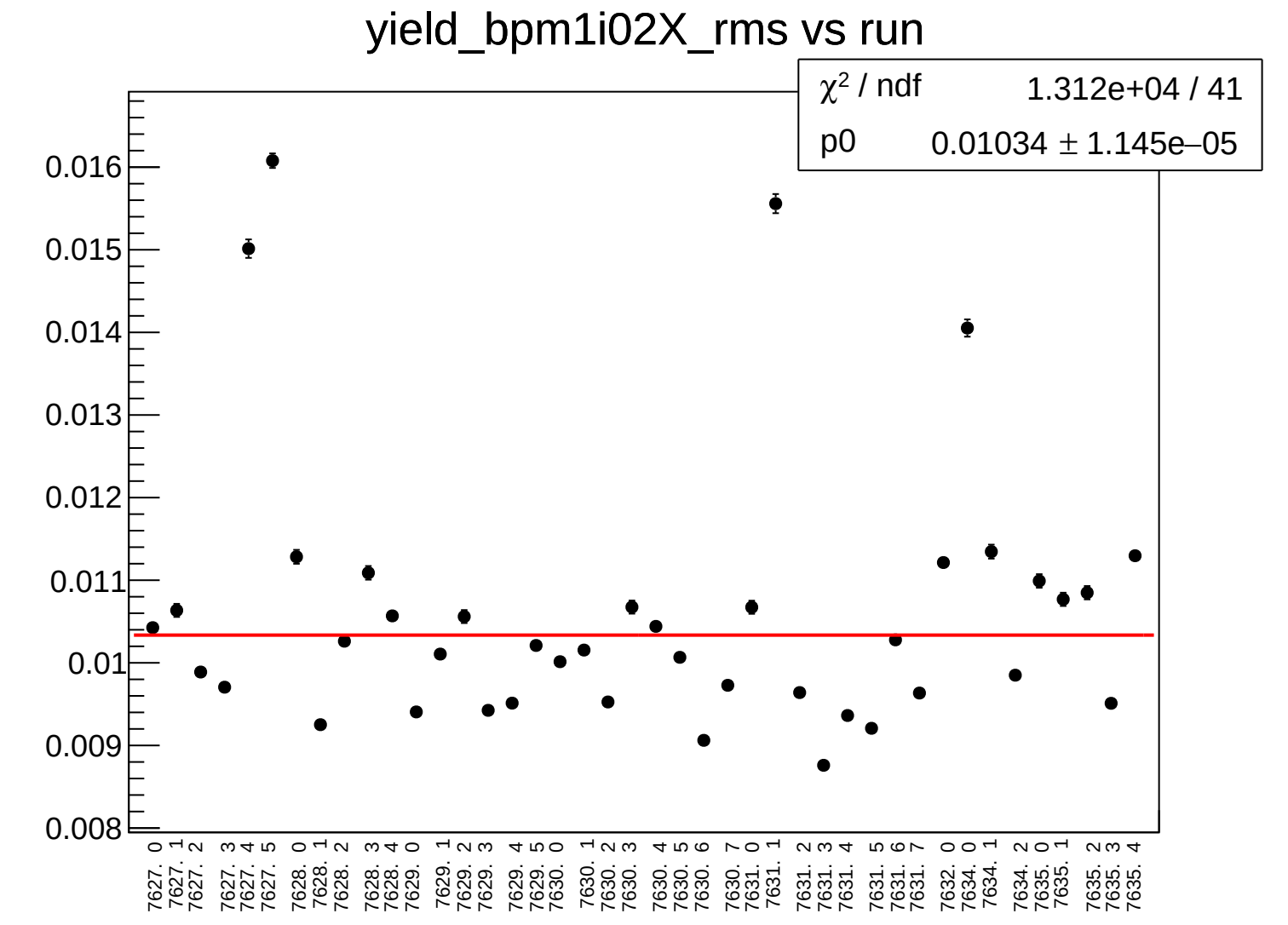

yield_bpm0i07X_mean vs run
χ² / ndf 4.008e+06 / 41
p0 −2.64 ± 5.309e−06
−2.61
−2.62
−2.63
−2.64
−2.65
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 847.5
Std Dev 0
800
600
400
200
0
−200
−400
pull1D
Entries 42
Mean 0.7262
Std Dev 4.75
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

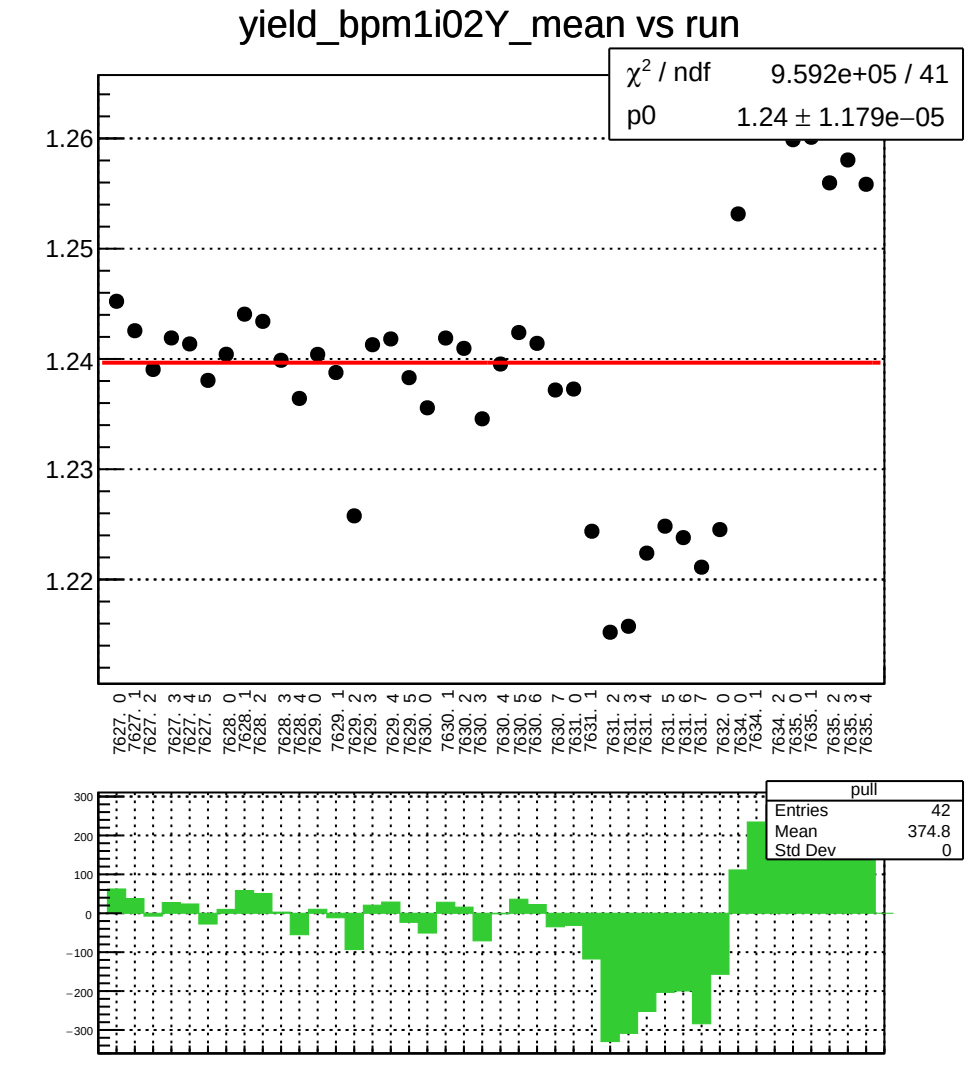

yield_bpm0i07X_rms vs run
χ² / ndf 5.959e+04 / 41
p0 0.00329 ± 3.754e–06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

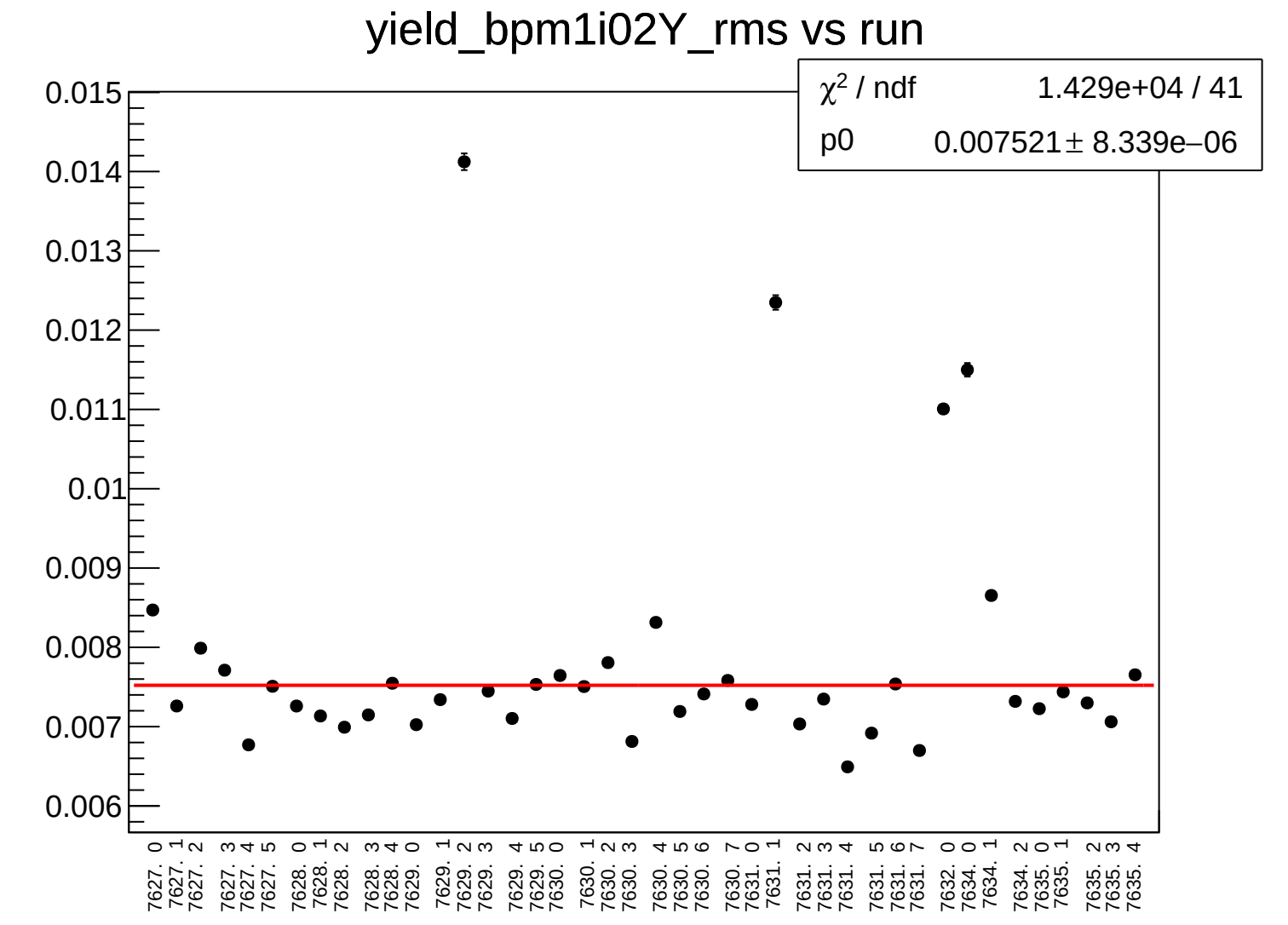

yield_bpm0i07Y_mean vs run
χ² / ndf 1.425e+06 / 41
p0 −1.107 ± 3.462e−06
−1.096
−1.098
−1.1
−1.102
−1.104
−1.106
−1.108
−1.11
−1.112
−1.114
−1.116
−1.118
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.033
Std Dev 23.93
500
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 42
Mean 4.365
Std Dev 2.126
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

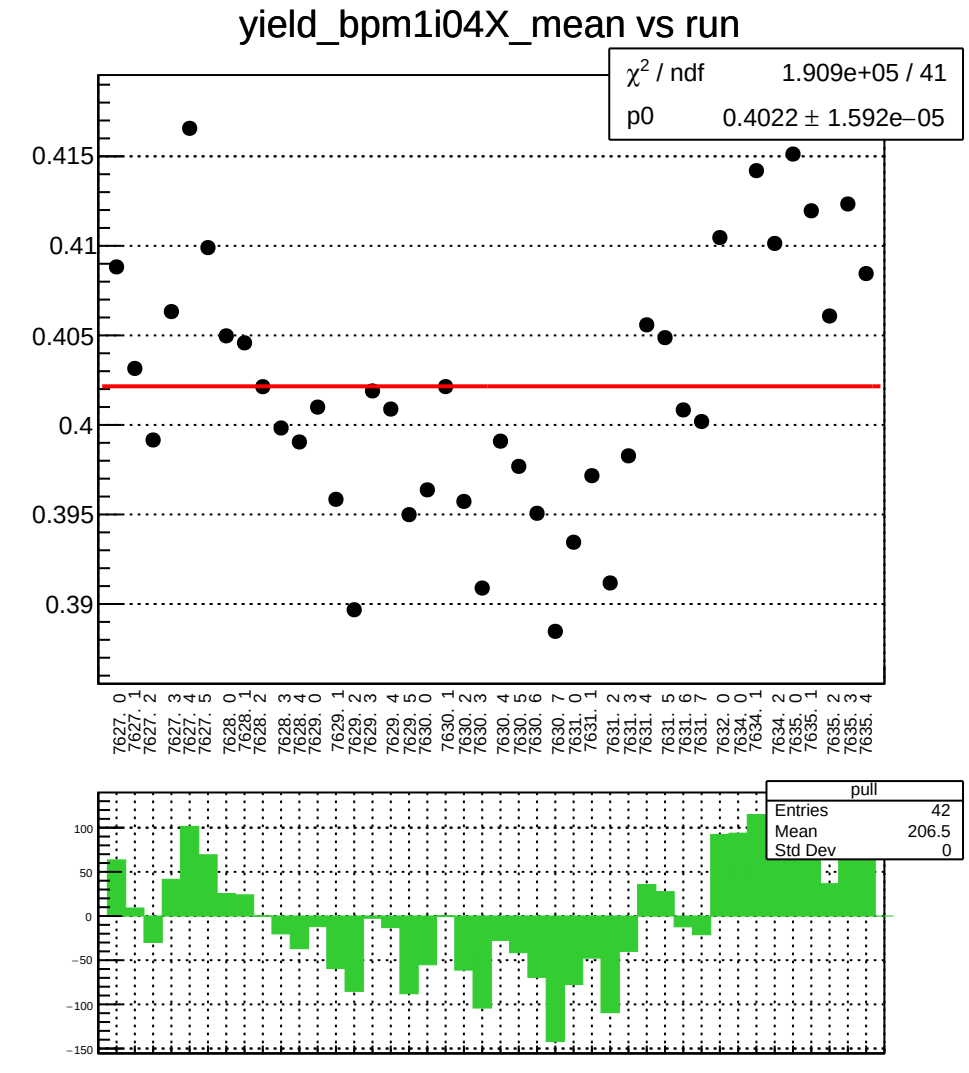

yield_bpm0i07Y_rms vs run
χ² / ndf 8.41e+04 / 41
p0 0.002111 ± 2.448e−06
0.006
0.005
0.004
0.003
0.002
0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

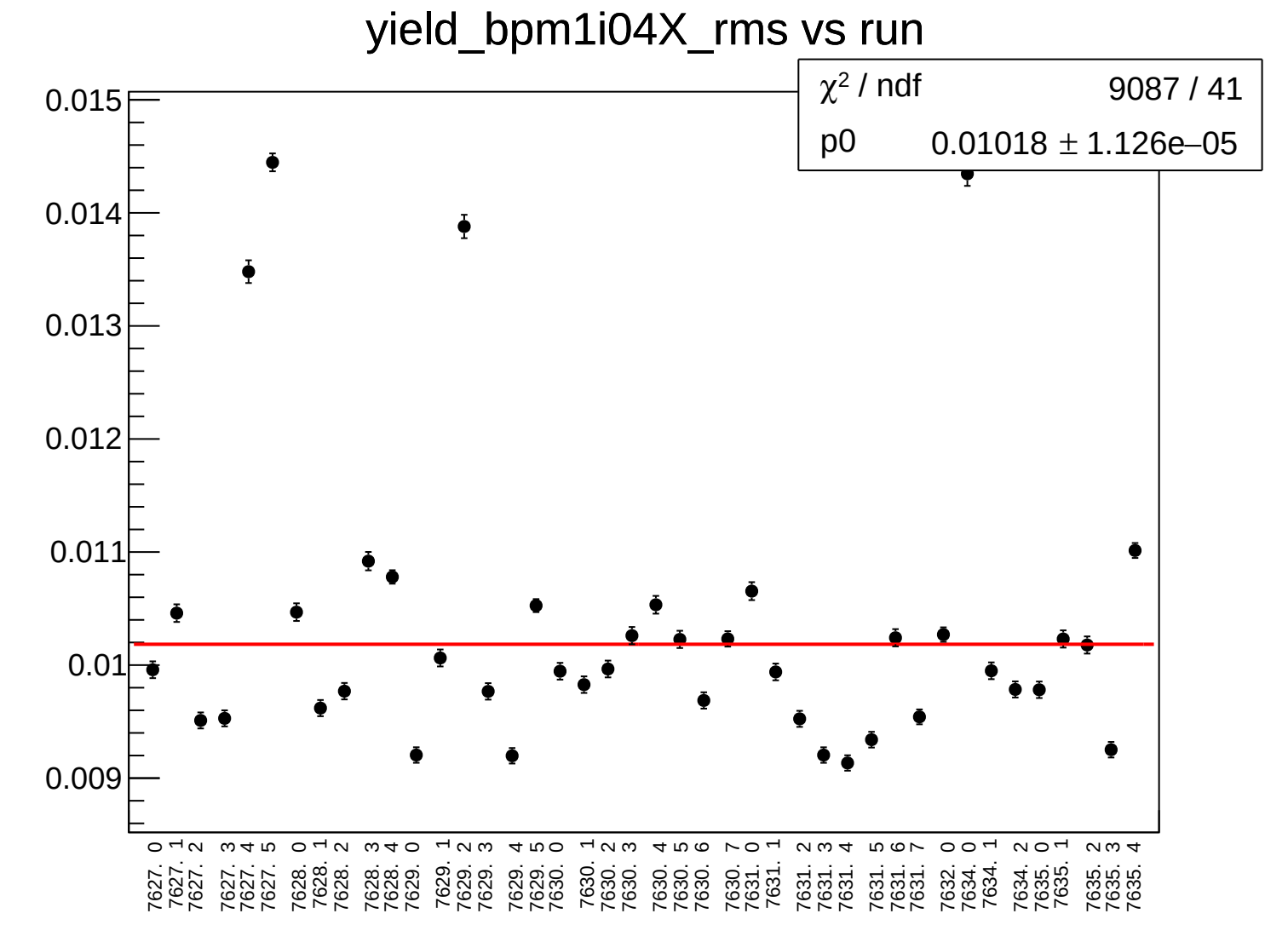

yield_bpm1i02X_mean vs run
χ² / ndf 3.33e+05 / 41
p0 0.148 ± 1.619e−05
0.16
0.155
0.15
0.145
0.14
0.135
0.13
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 382.3
Std Dev 0
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 42
Mean 2.507
Std Dev 2.3
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

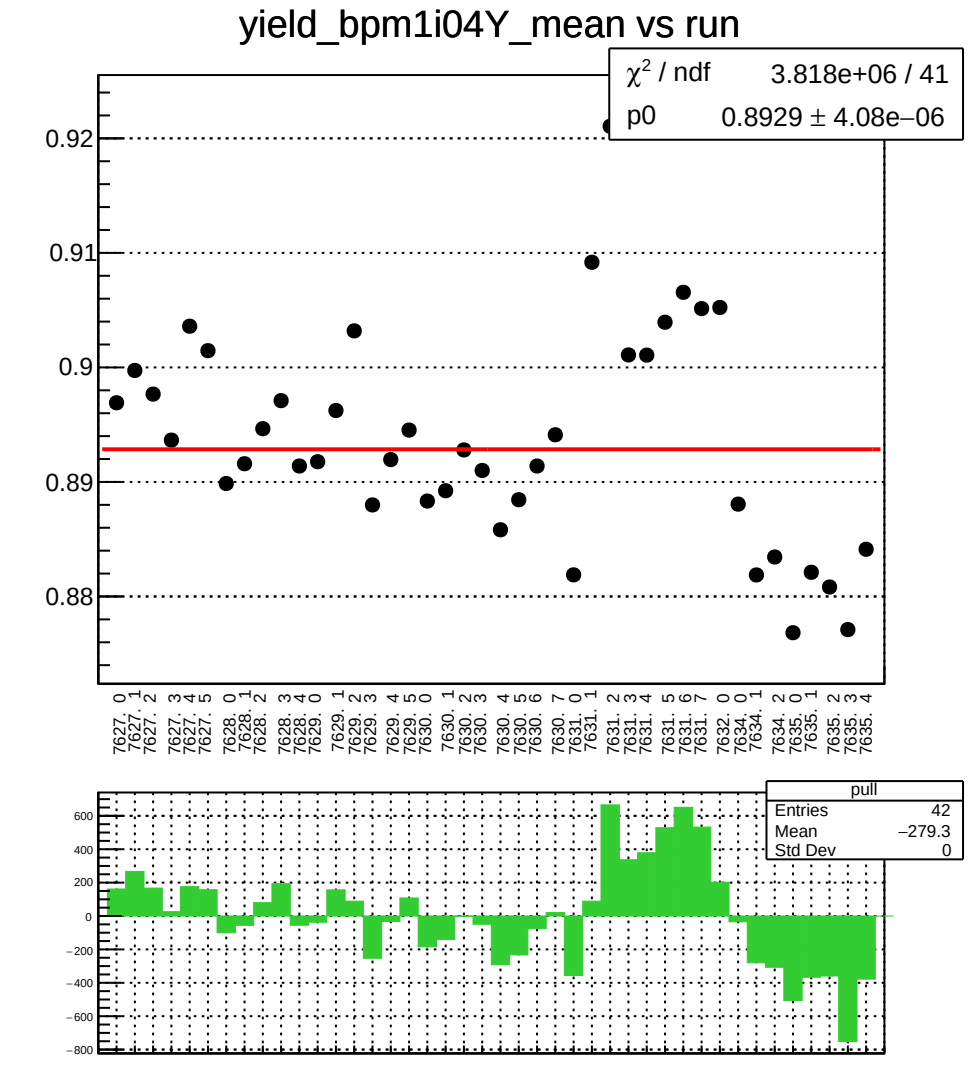

yield_bpm1i02X_rms vs run
χ² / ndf 1.312e+04 / 41
p0 0.01034 ± 1.145e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

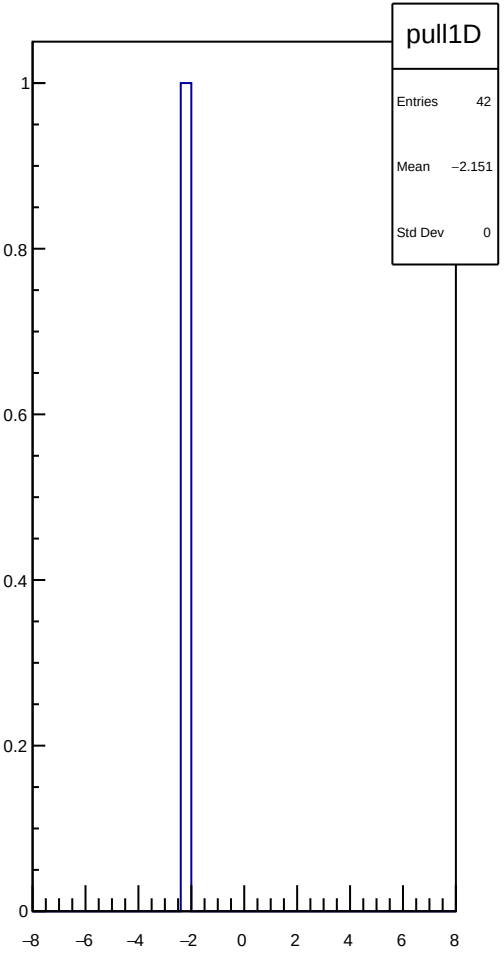

yield_bpm1i02Y_mean vs run
χ² / ndf 9.592e+05 / 41
p0 1.24 ± 1.179e−05
1.26
1.25
1.24
1.23
1.22
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 374.8
Std Dev 0
300
200
100
0
−100
−200
−300
pull1D
Entries 42
Mean −1.93
Std Dev 4.175
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

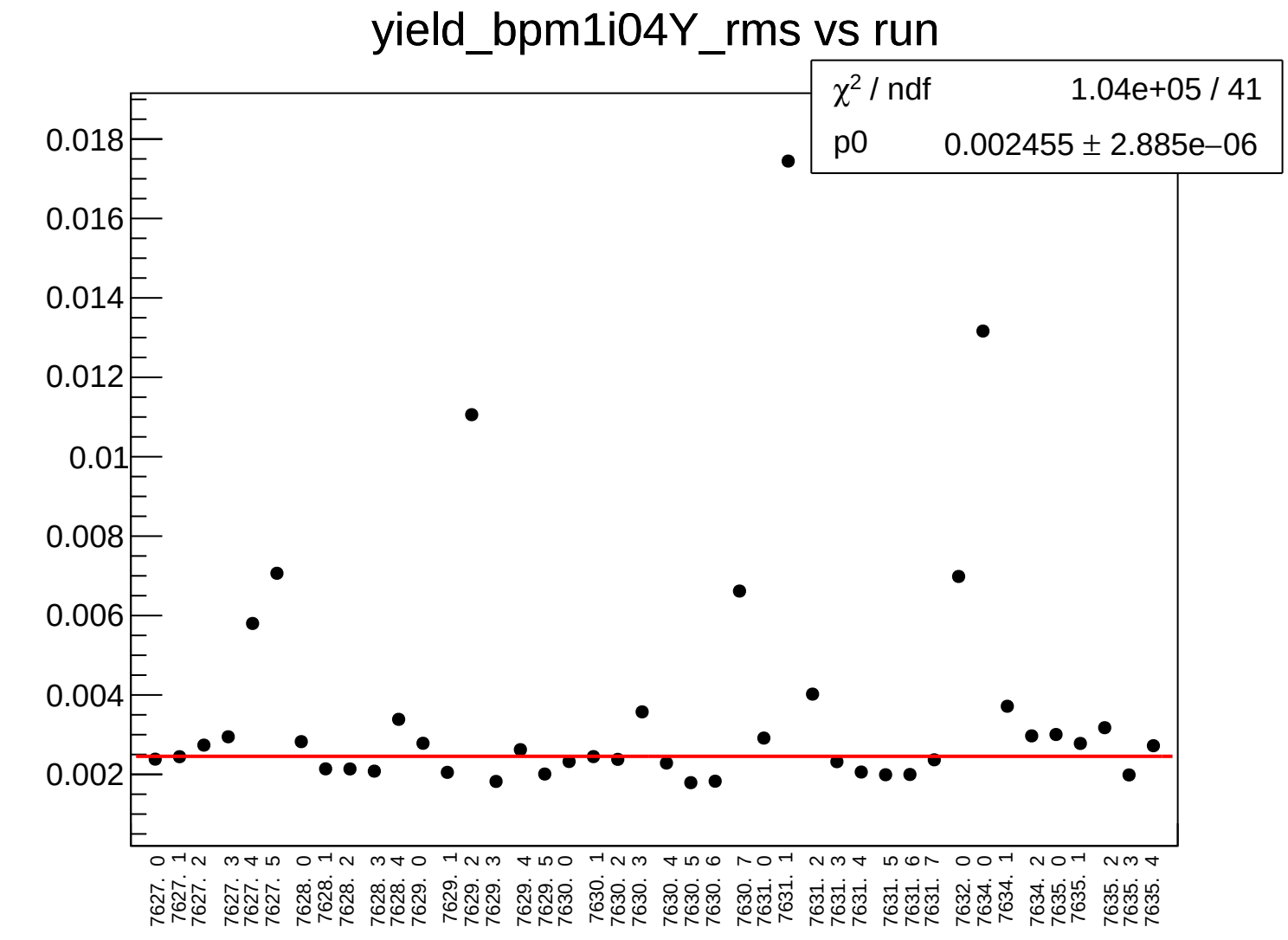

yield_bpm1i02Y_rms vs run
χ² / ndf 1.429e+04 / 41
p0 0.007521 ± 8.339e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

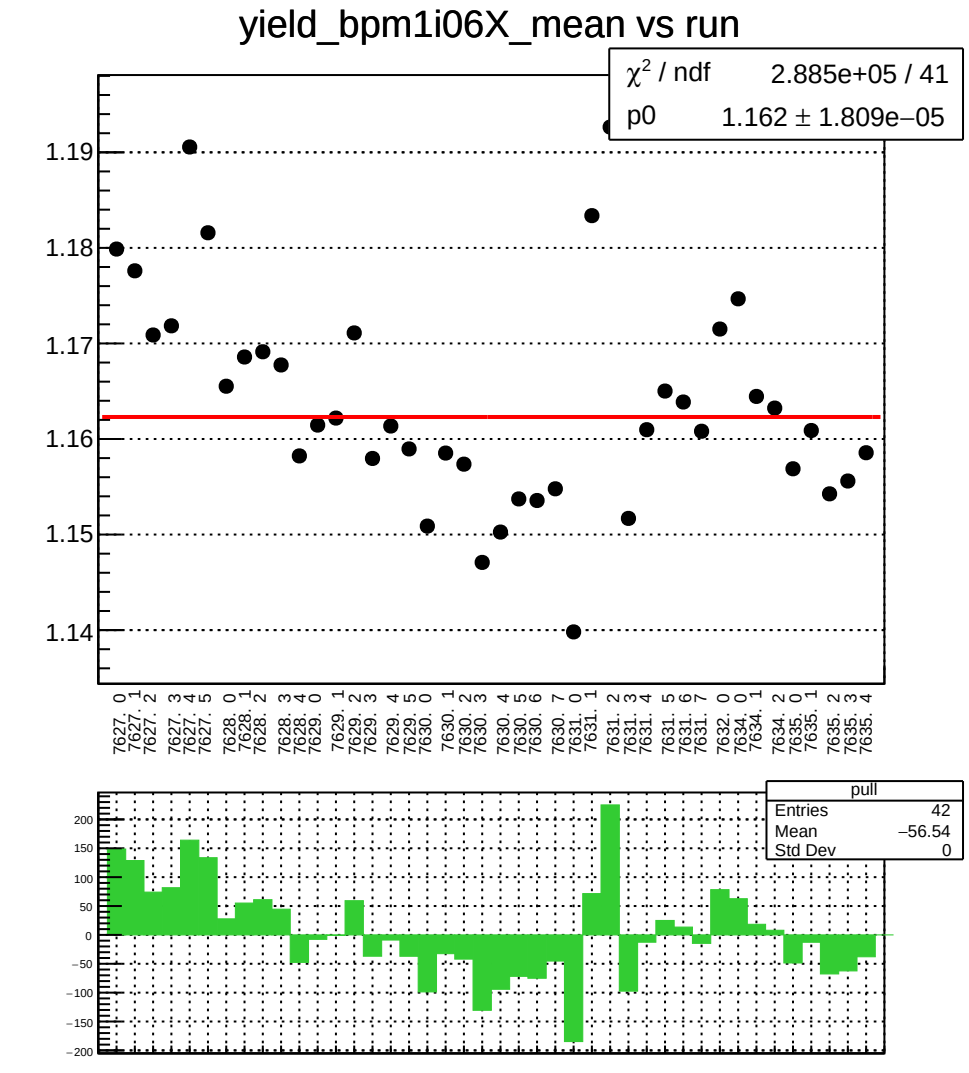

yield_bpm1i04X_mean vs run
χ² / ndf 1.909e+05 / 41
p0 0.4022 ± 1.592e−05
0.415
0.41
0.405
0.4
0.395
0.39
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 206.5
Std Dev 0
100
50
0
−50
−100
−150
pull1D
Entries 42
Mean −0.9503
Std Dev 1.097
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

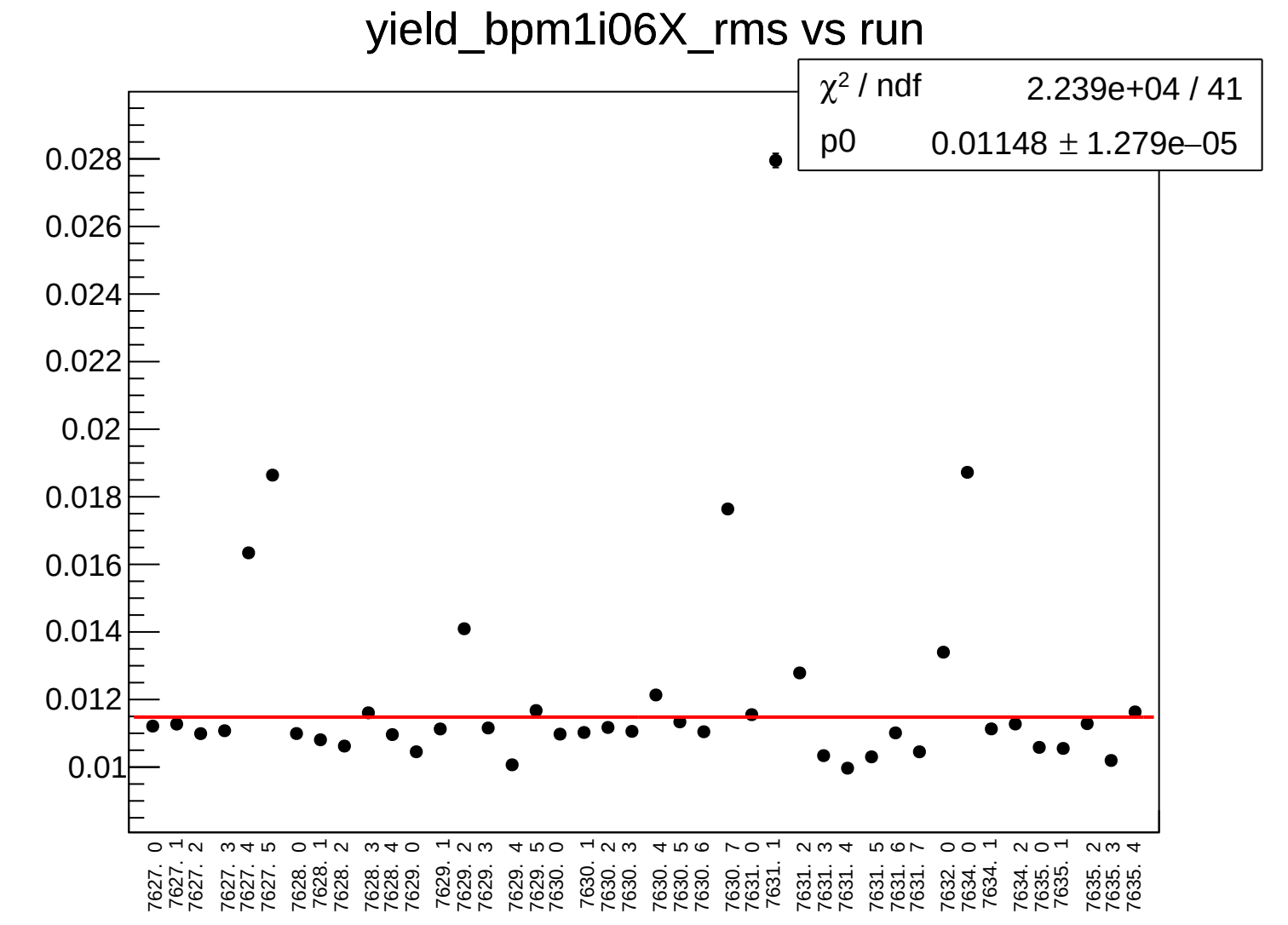

yield_bpm1i04X_rms vs run
χ² / ndf 9087 / 41
p0 0.01018 ± 1.126e–05
0.015
0.014
0.013
0.012
0.011
0.01
0.009
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

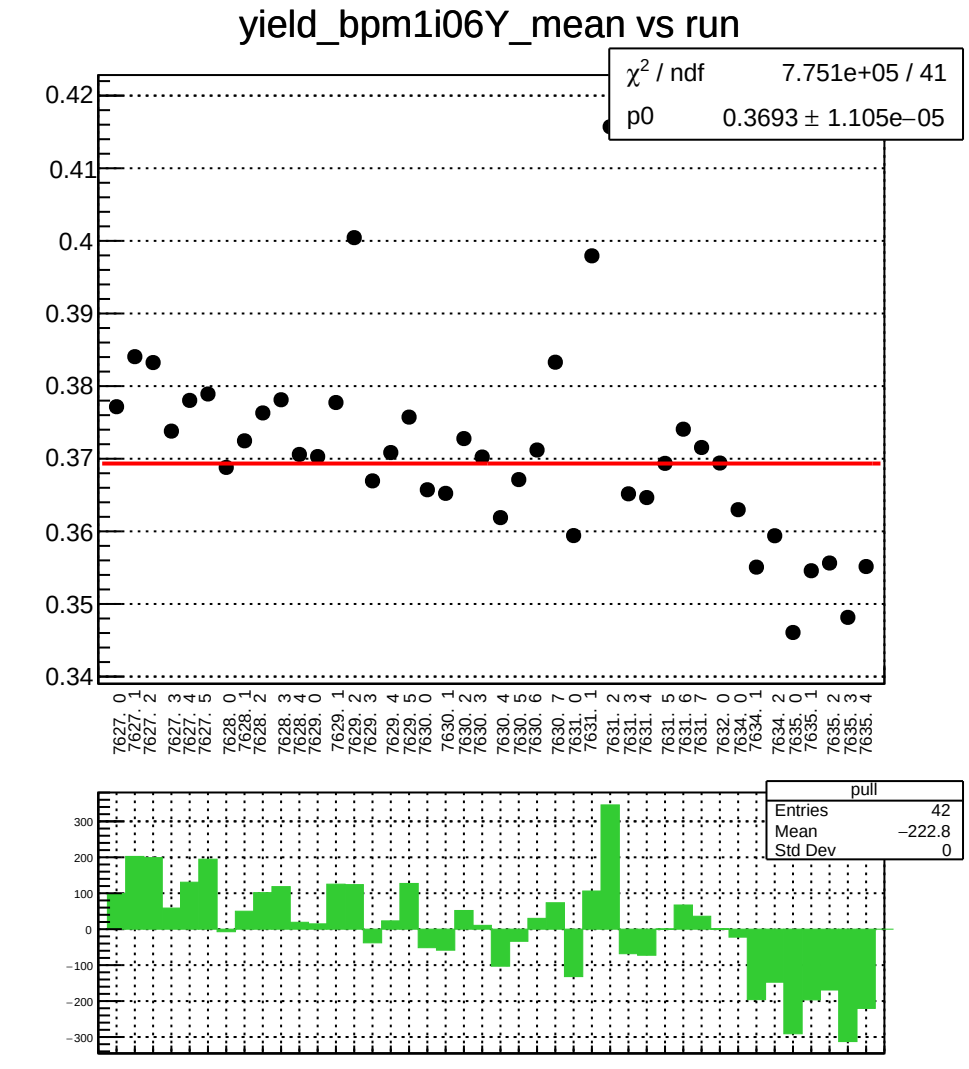

yield_bpm1i04Y_mean vs run
χ² / ndf 3.818e+06 / 41
p0 0.8929 ± 4.08e−06
0.92
0.91
0.9
0.89
0.88
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −279.3
Std Dev 0
600
400
200
0
−200
−400
−600
−800

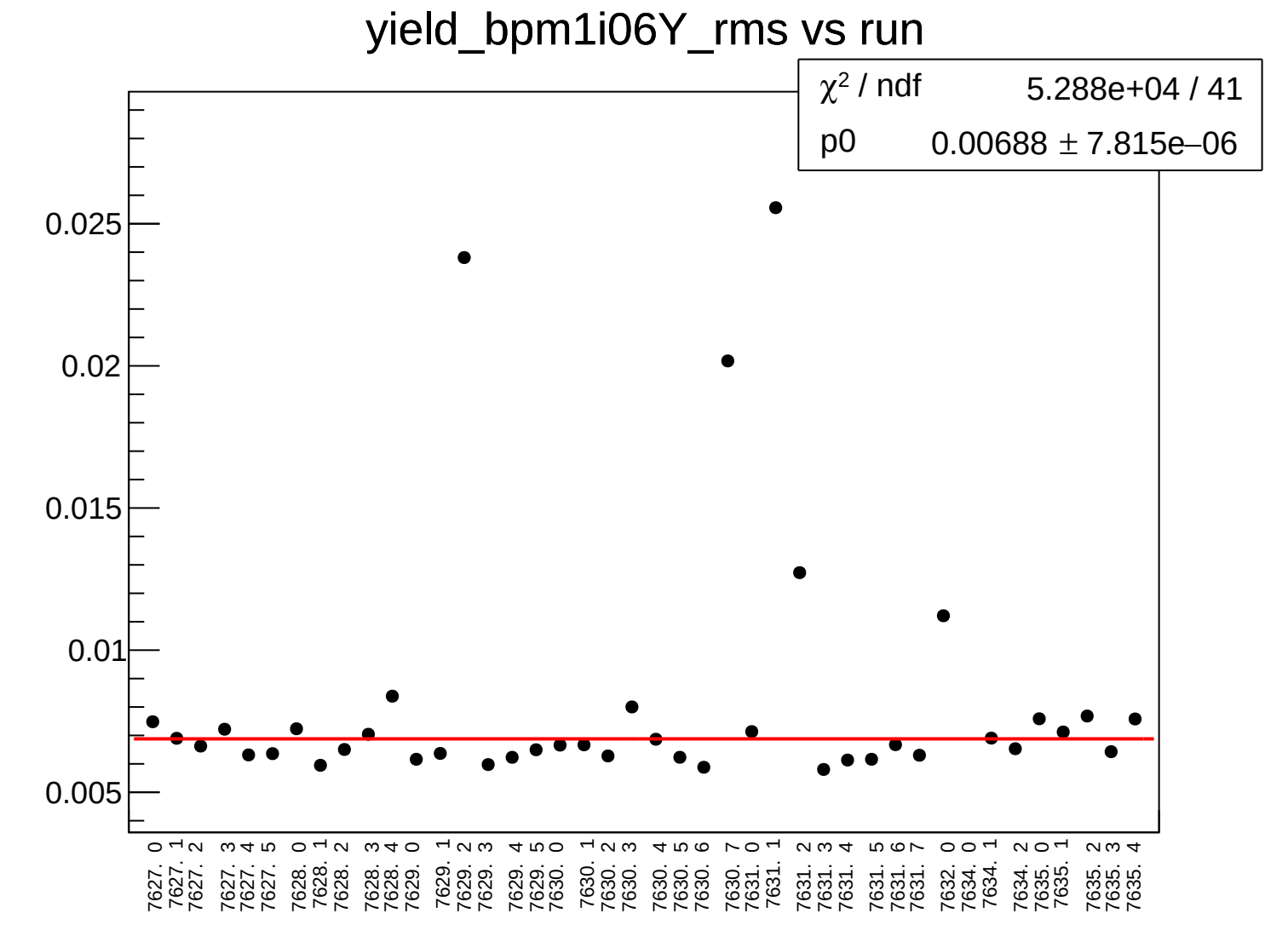

pull1D
Entries 42
Mean −2.151
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

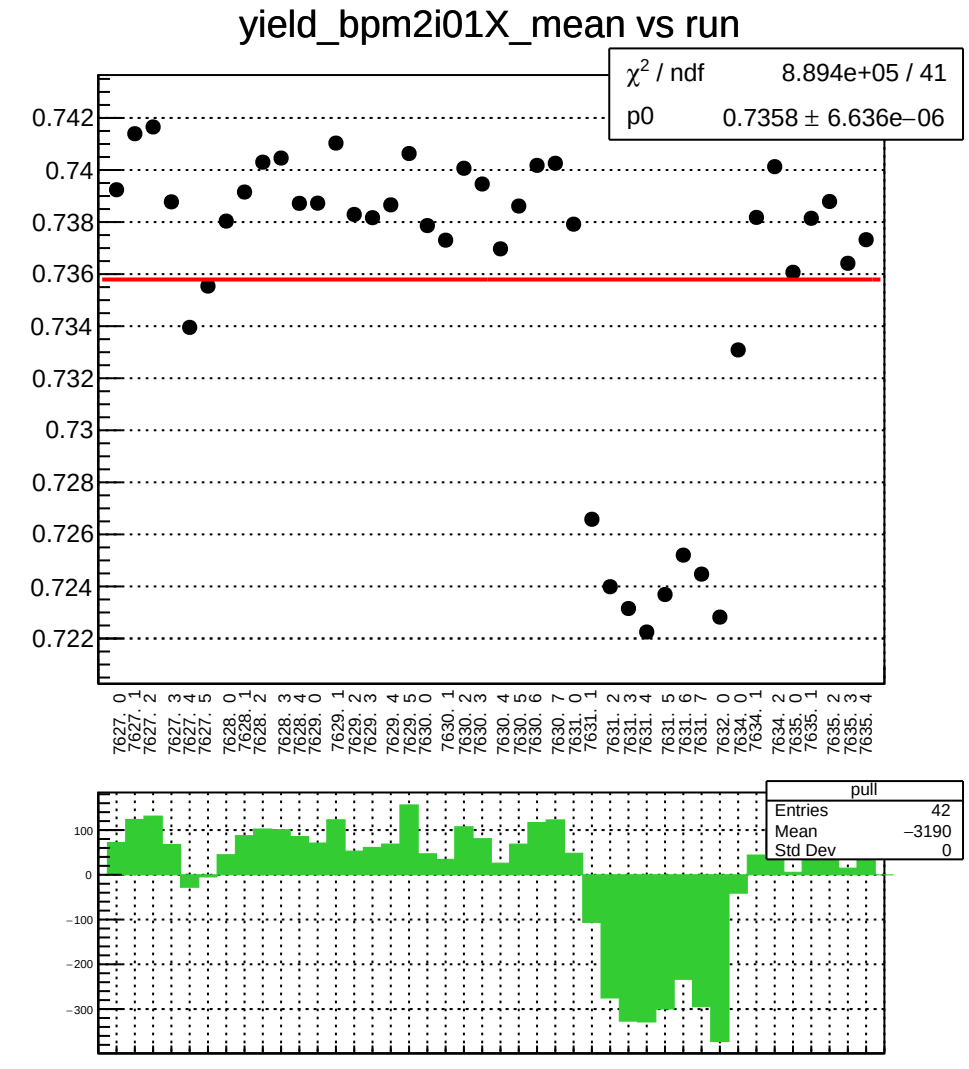

yield_bpm1i04Y_rms vs run
χ² / ndf 1.04e+05 / 41
p0 0.002455 ± 2.885e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

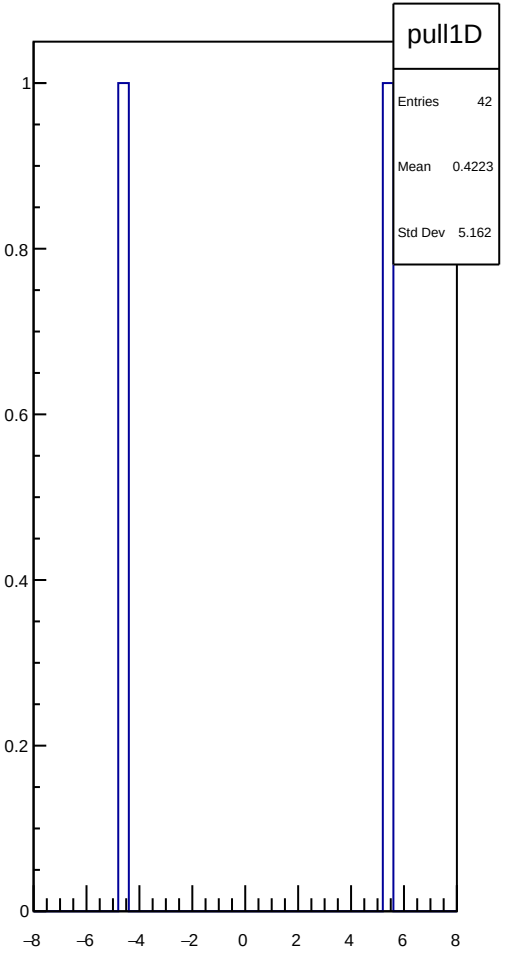

yield_bpm1i06X_mean vs run
χ² / ndf 2.885e+05 / 41
p0 1.162 ± 1.809e−05
1.19
1.18
1.17
1.16
1.15
1.14
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −56.54
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 42
Mean −4.33
Std Dev 3.359
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

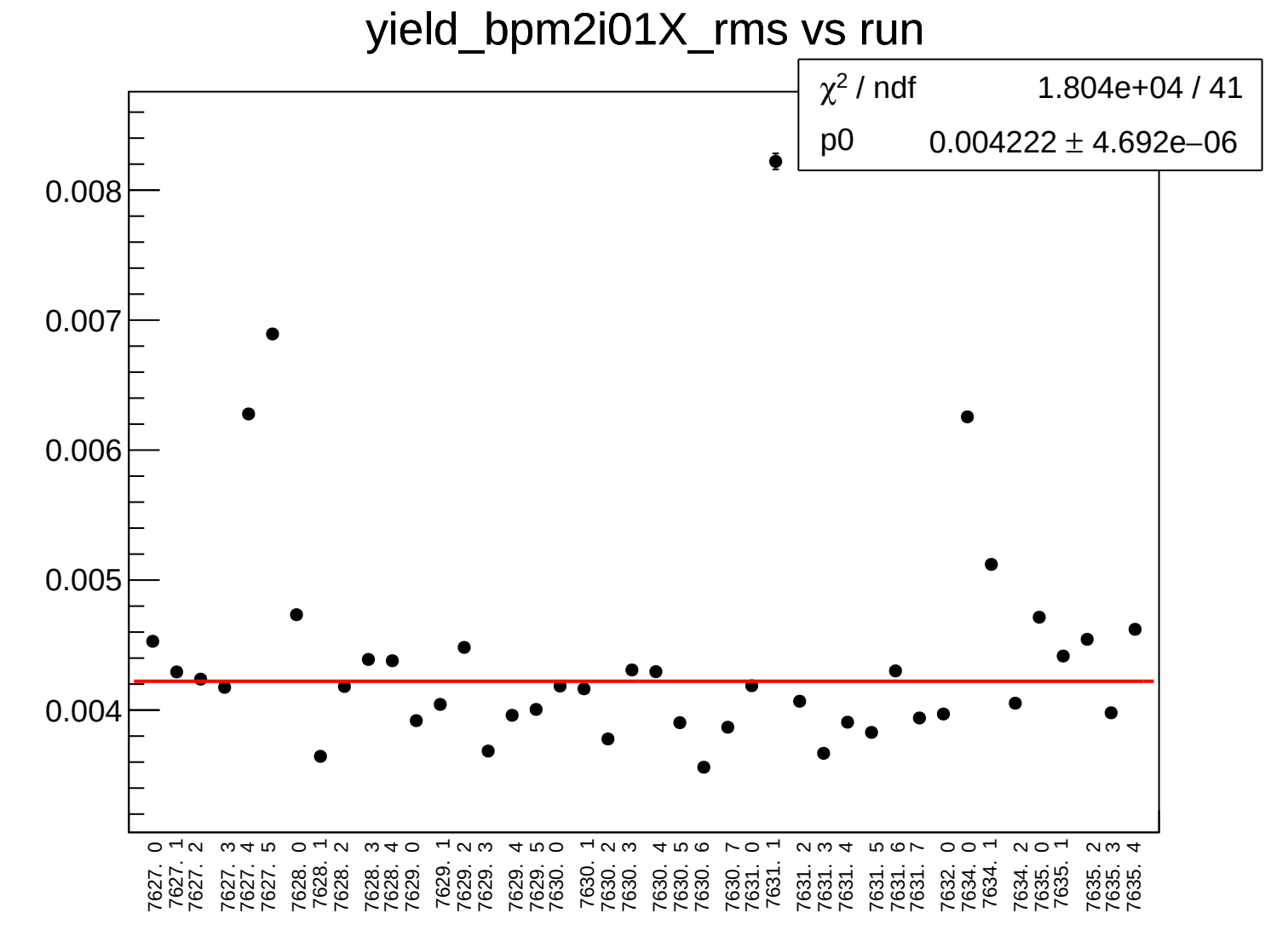

yield_bpm1i06X_rms vs run
χ² / ndf 2.239e+04 / 41
p0 0.01148 ± 1.279e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

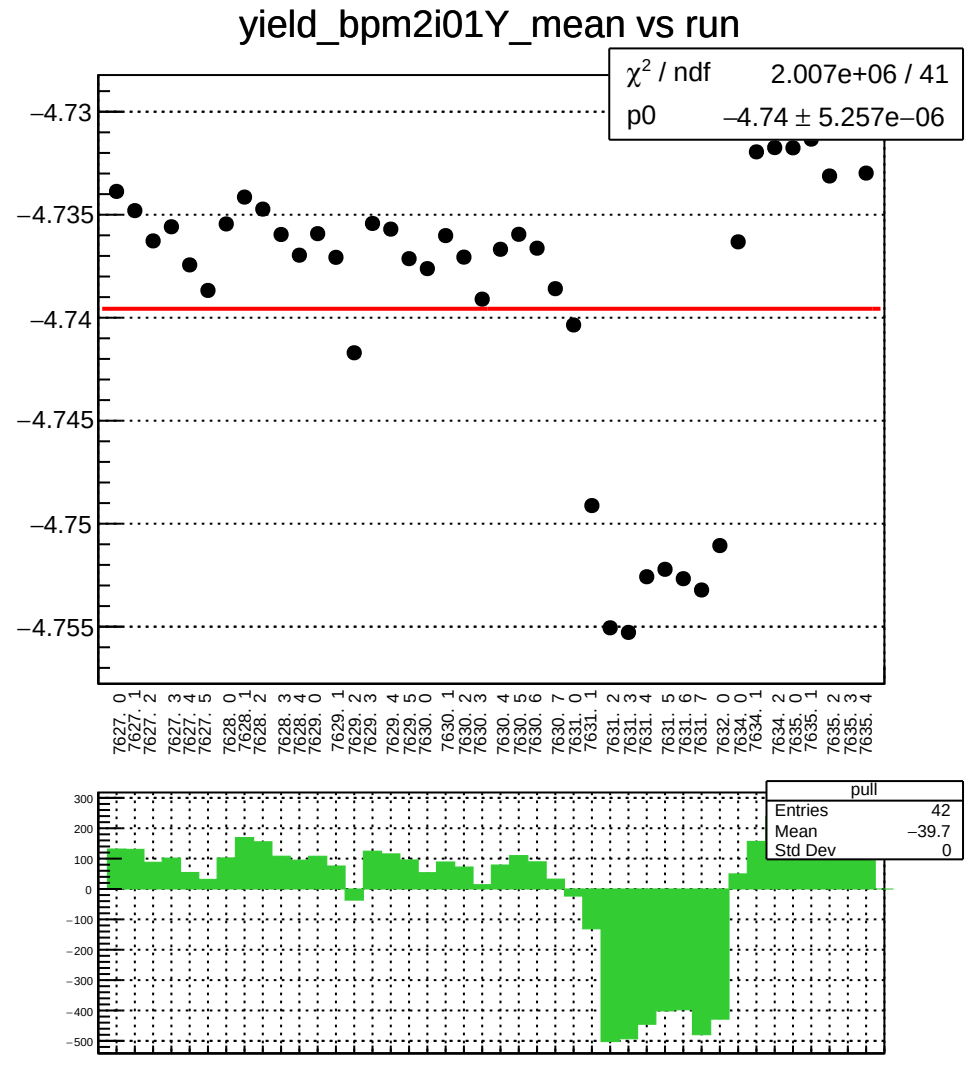

yield_bpm1i06Y_mean vs run
χ² / ndf 7.751e+05 / 41
p0 0.3693 ± 1.105e−05
0.42
0.41
0.4
0.39
0.38
0.37
0.36
0.35
0.34
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −222.8
Std Dev 0
300
200
100
0
−100
−200
−300
pull1D
Entries 42
Mean −1.979
Std Dev 3.552
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

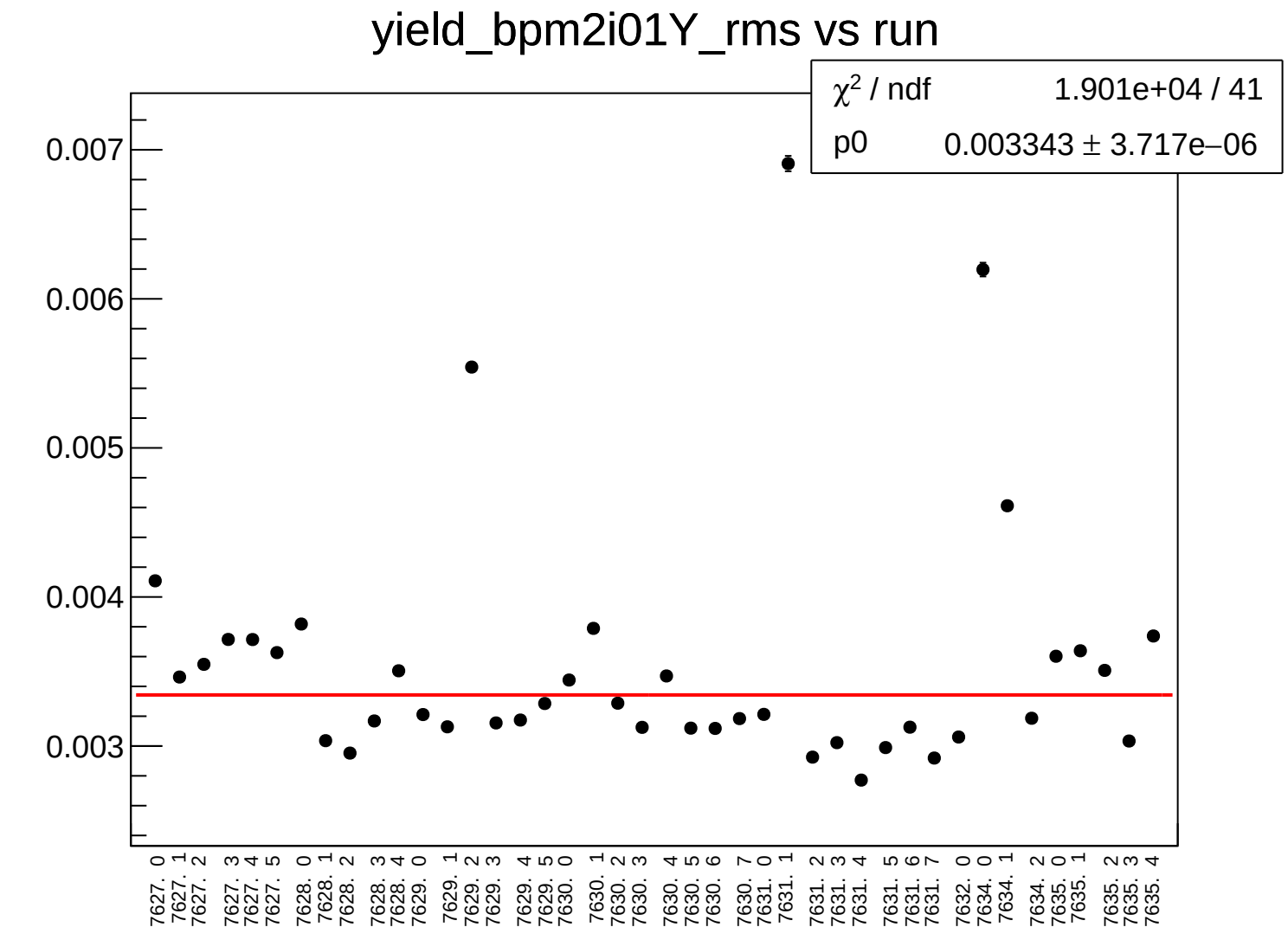

yield_bpm1i06Y_rms vs run
χ² / ndf 5.288e+04 / 41
p0 0.00688 ± 7.815e–06
0.025
0.02
0.015
0.01
0.005
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

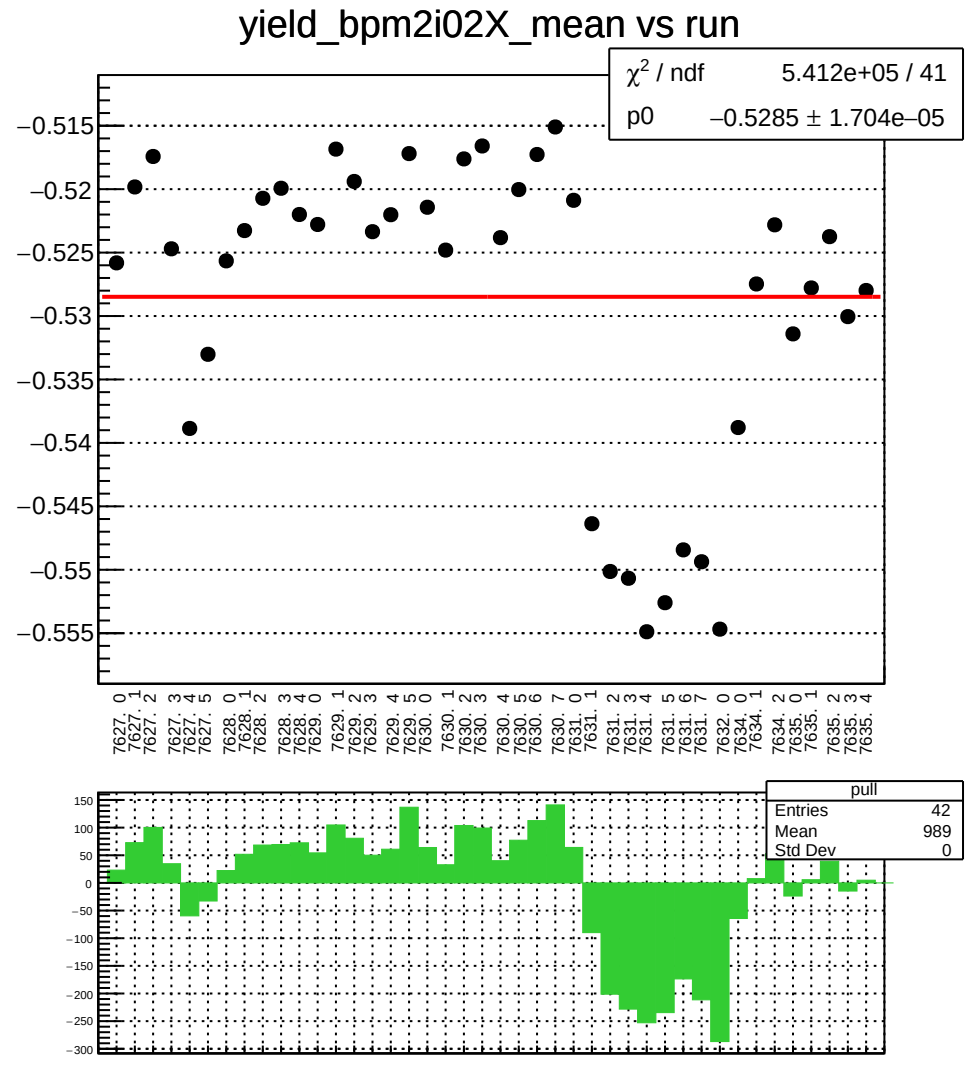

yield_bpm2i01X_mean vs run
χ² / ndf 8.894e+05 / 41
p0 0.7358 ± 6.636e−06
0.742
0.74
0.738
0.736
0.734
0.732
0.73
0.728
0.726
0.724
0.722
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −3190
Std Dev 0
100
0
−100
−200
−300

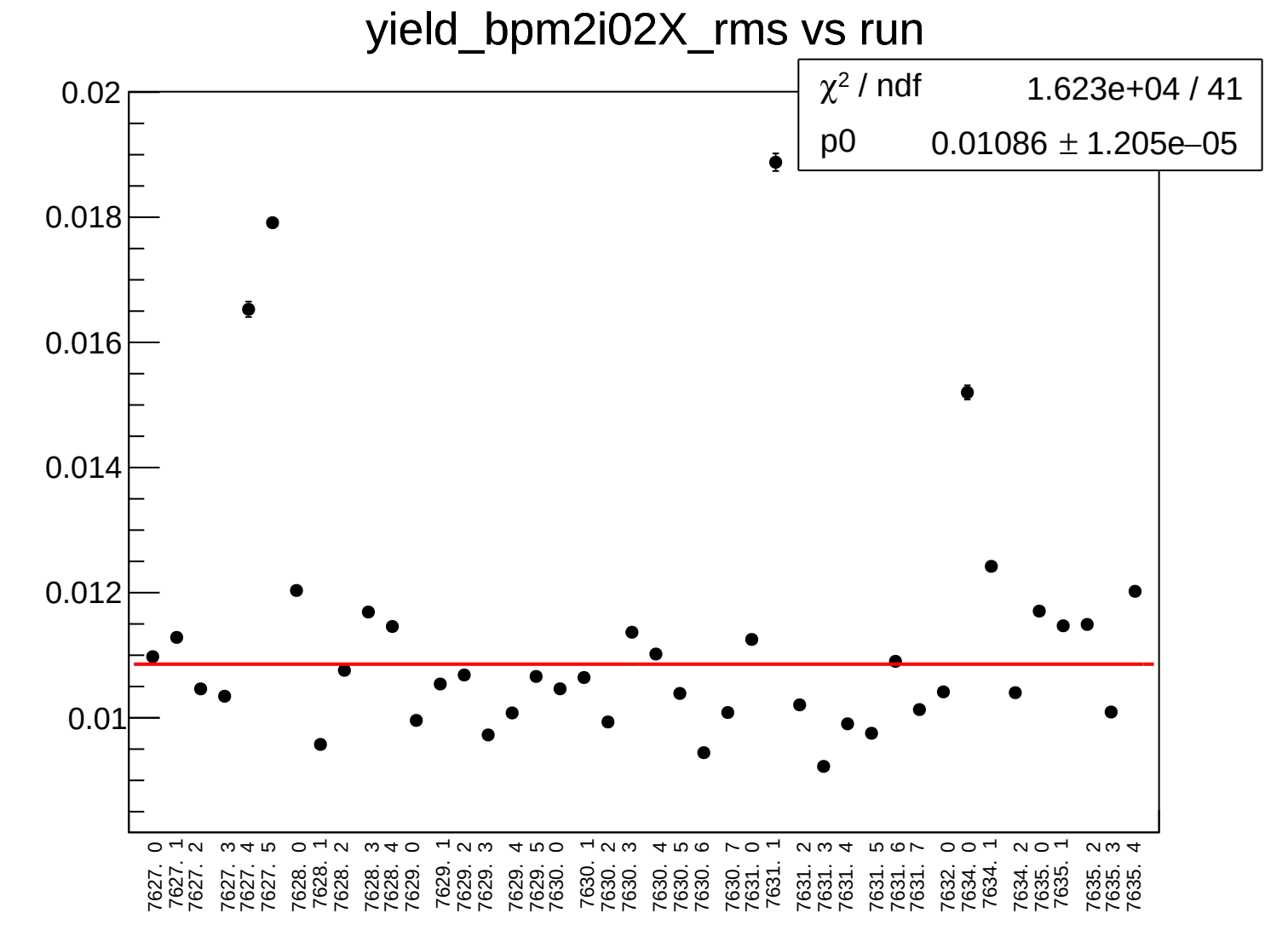

pull1D
Entries 42
Mean 0.4223
Std Dev 5.162
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

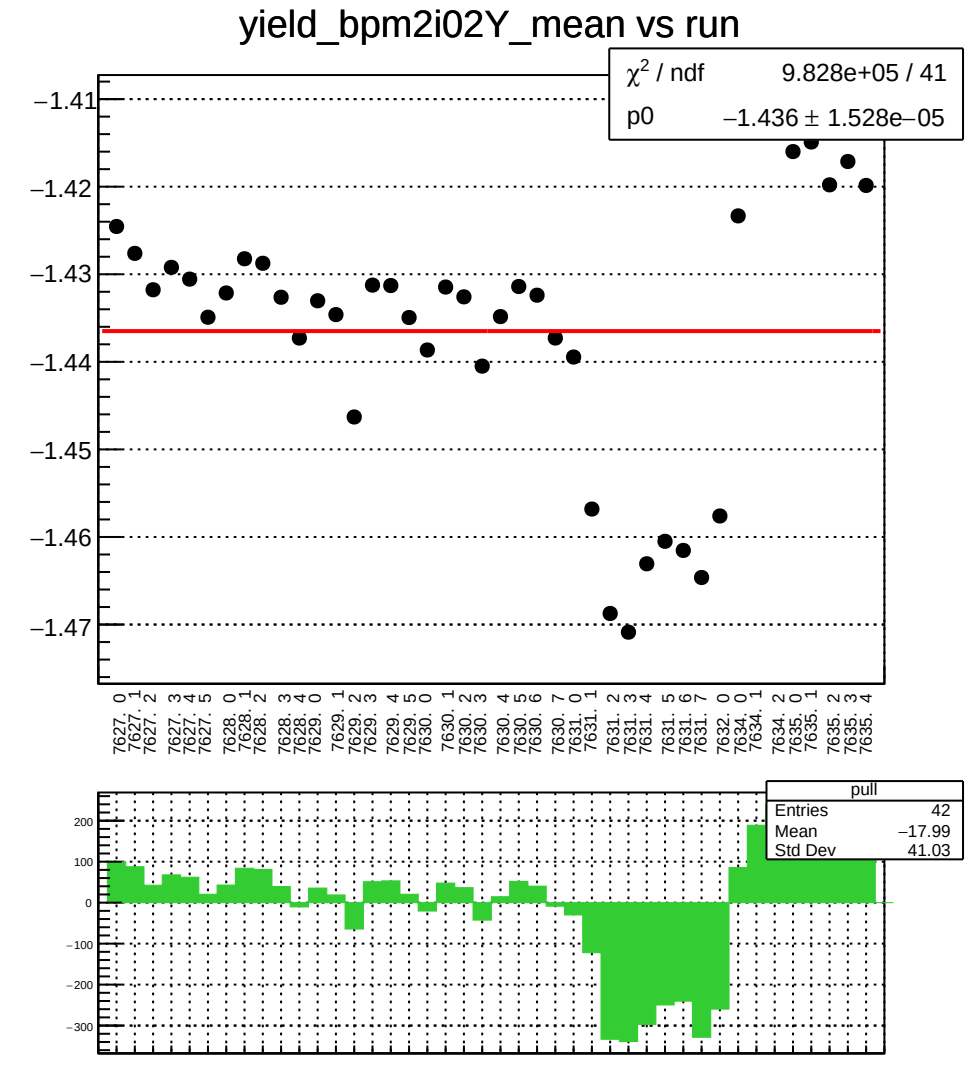

yield_bpm2i01X_rms vs run
χ² / ndf 1.804e+04 / 41
p0 0.004222 ± 4.692e−06
0.008
0.007
0.006
0.005
0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

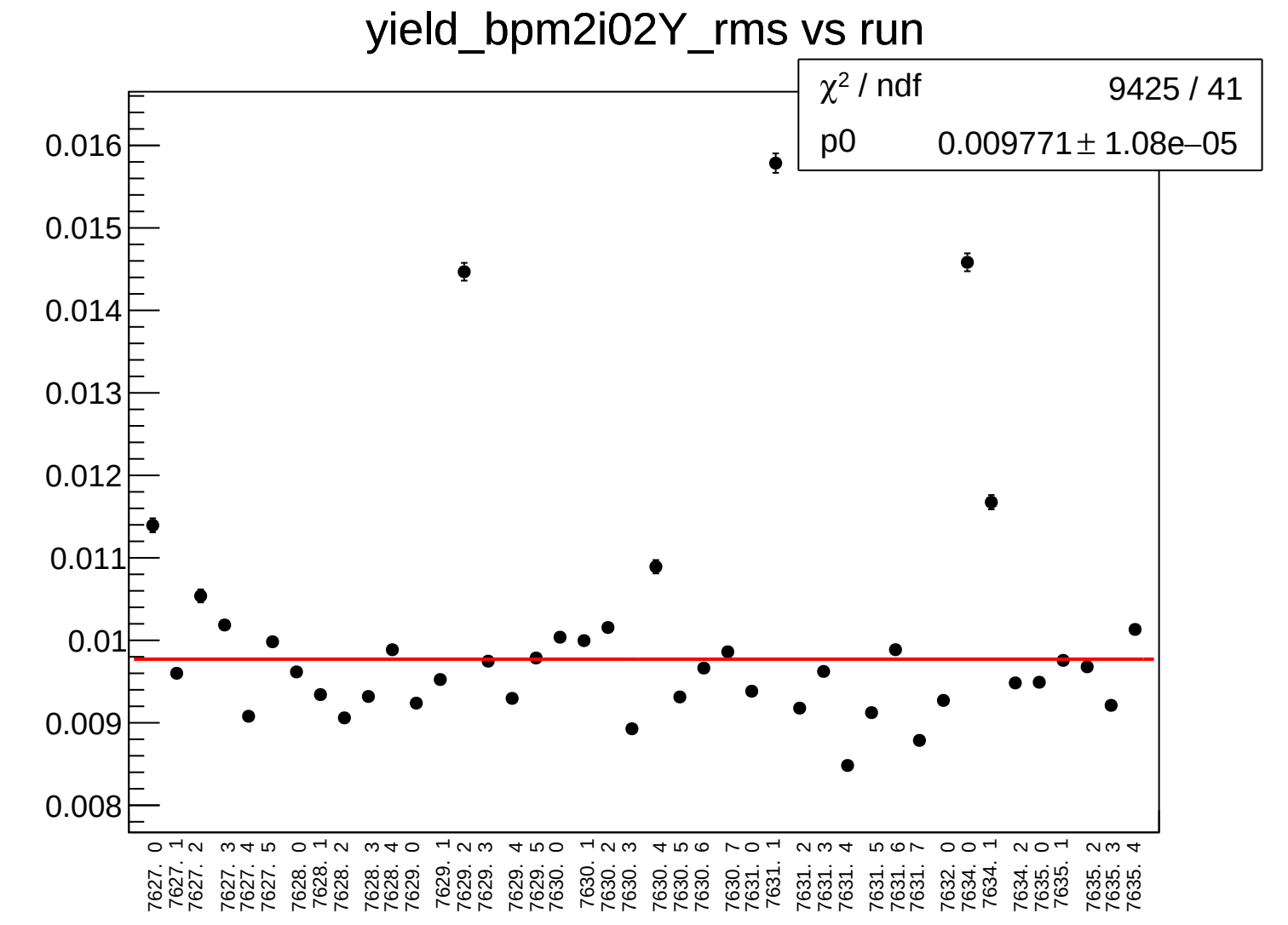

yield_bpm2i01Y_mean vs run
χ² / ndf 2.007e+06 / 41
p0 −4.74 ± 5.257e−06
−4.73
−4.735
−4.74
−4.745
−4.75
−4.755
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −39.7
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

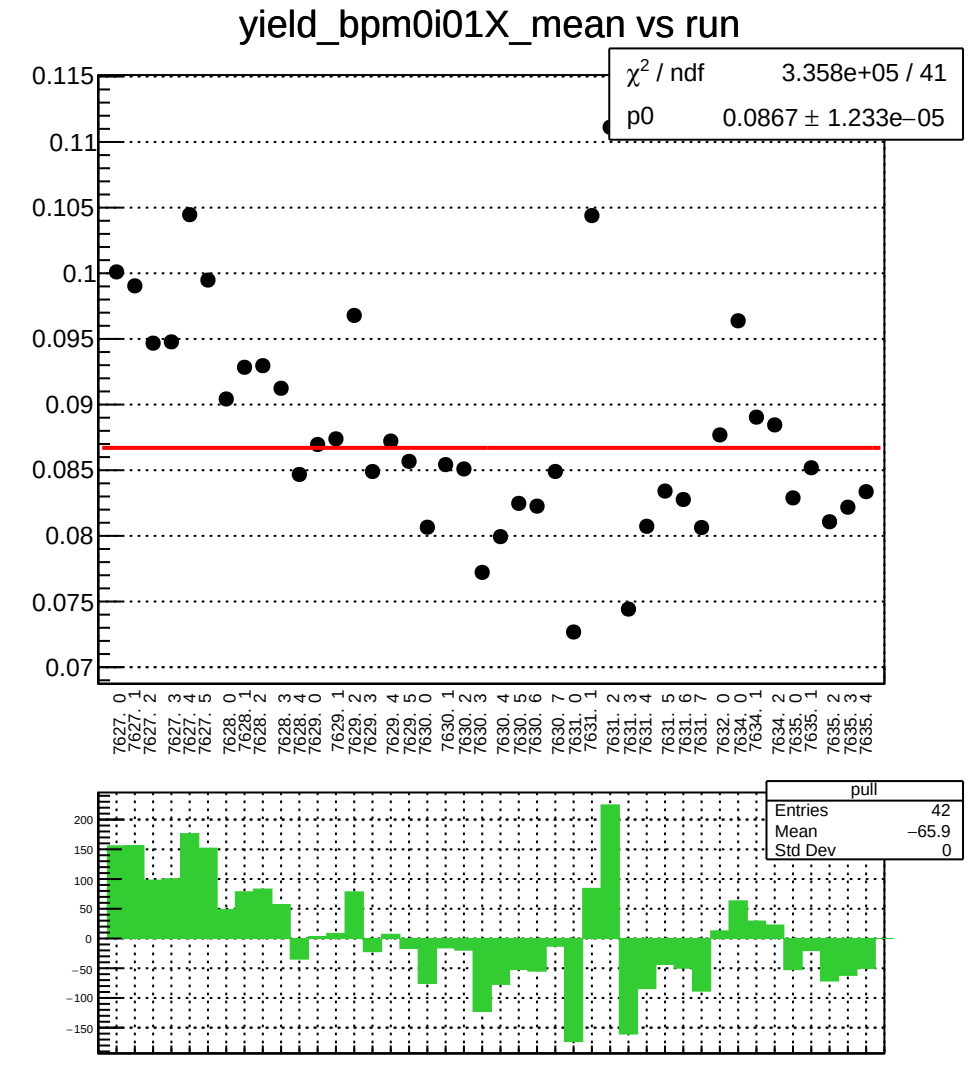

yield_bpm2i01Y_rms vs run
χ² / ndf 1.901e+04 / 41
p0 0.003343 ± 3.717e−06
0.007
0.006
0.005
0.004
0.003
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

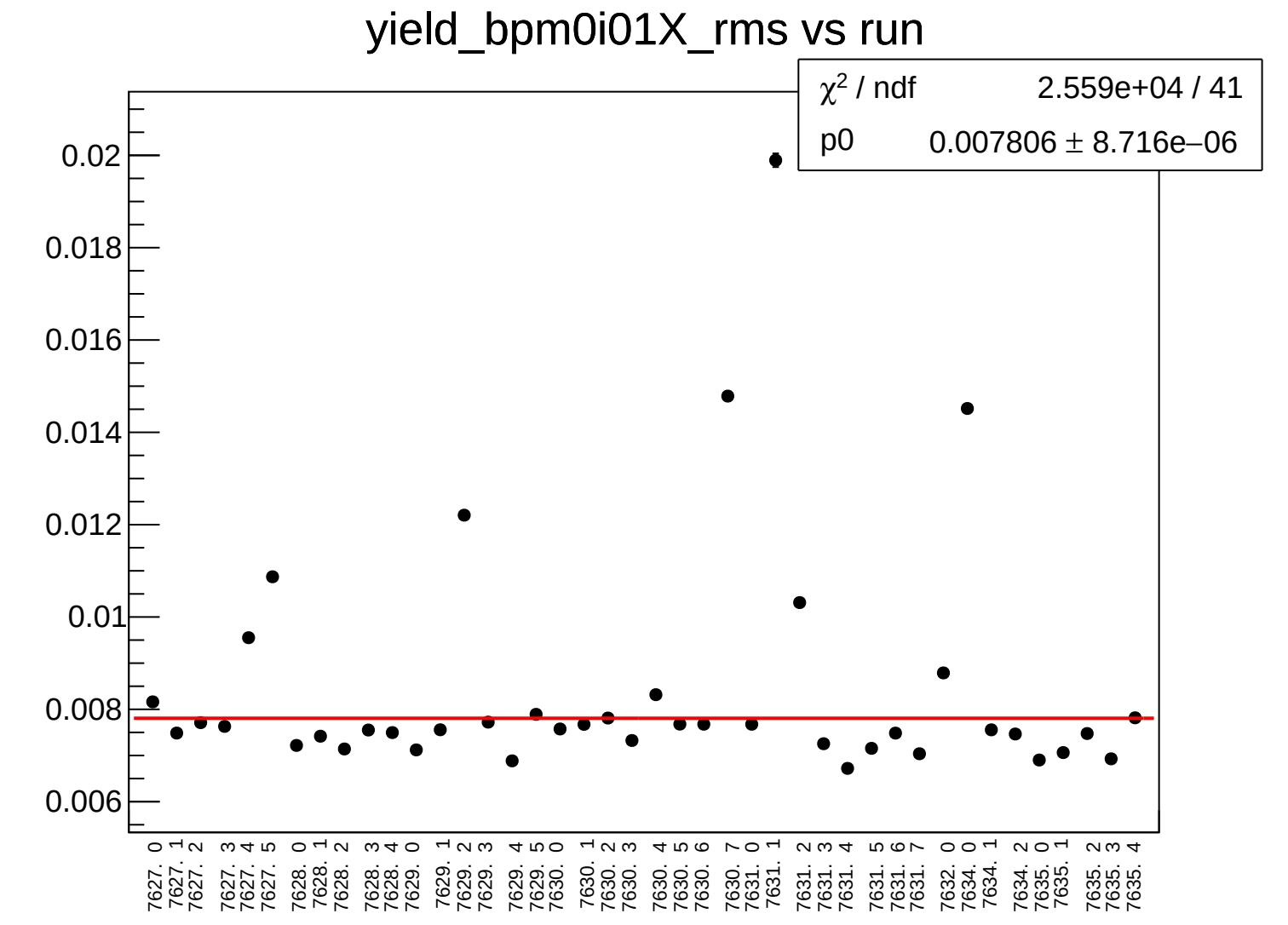

yield_bpm2i02X_mean vs run
χ² / ndf 5.412e+05 / 41
p0 −0.5285 ± 1.704e−05
−0.515
−0.52
−0.525
−0.53
−0.535
−0.54
−0.545
−0.55
−0.555
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 989
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250
−300
pull1D
Entries 42
Mean 6.125
Std Dev 1.188
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

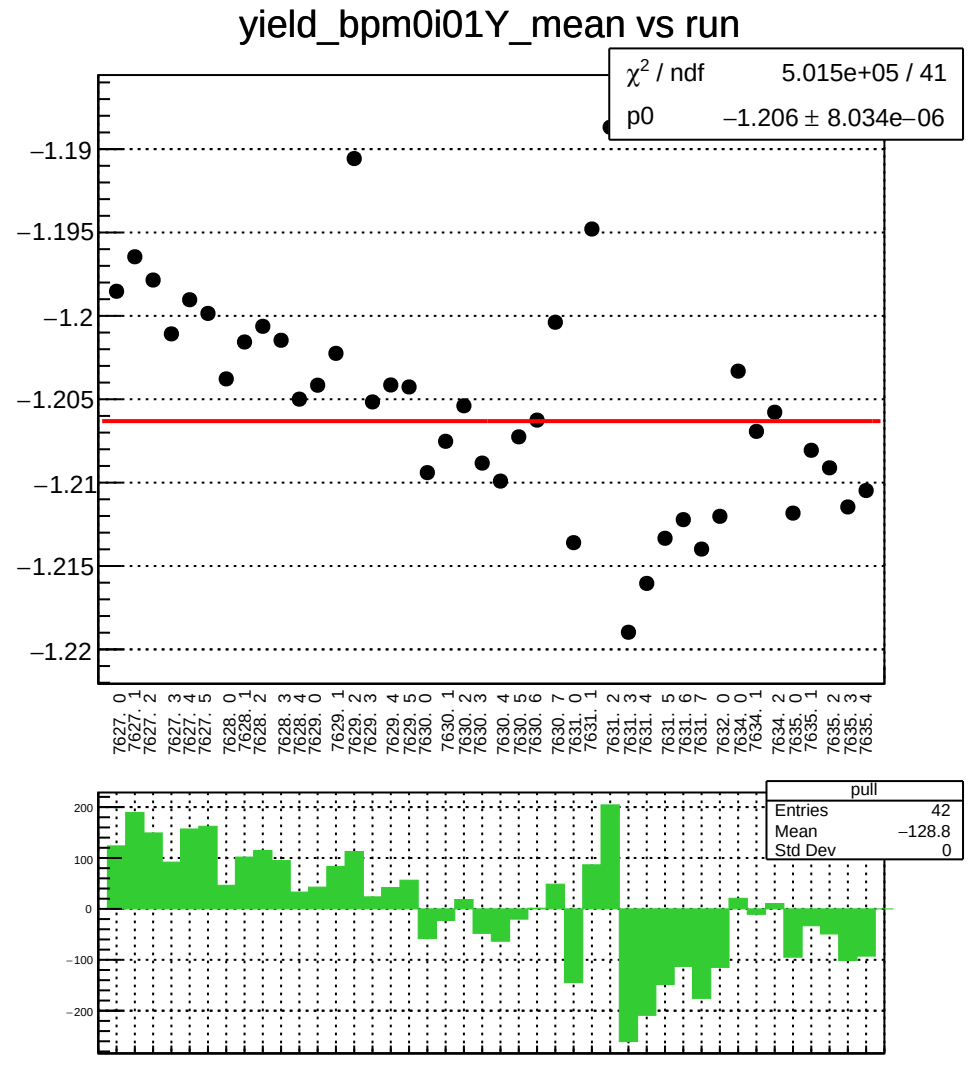

yield_bpm2i02X_rms vs run
χ² / ndf 1.623e+04 / 41
p0 0.01086 ± 1.205e–05
0.02
0.018
0.016
0.014
0.012
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

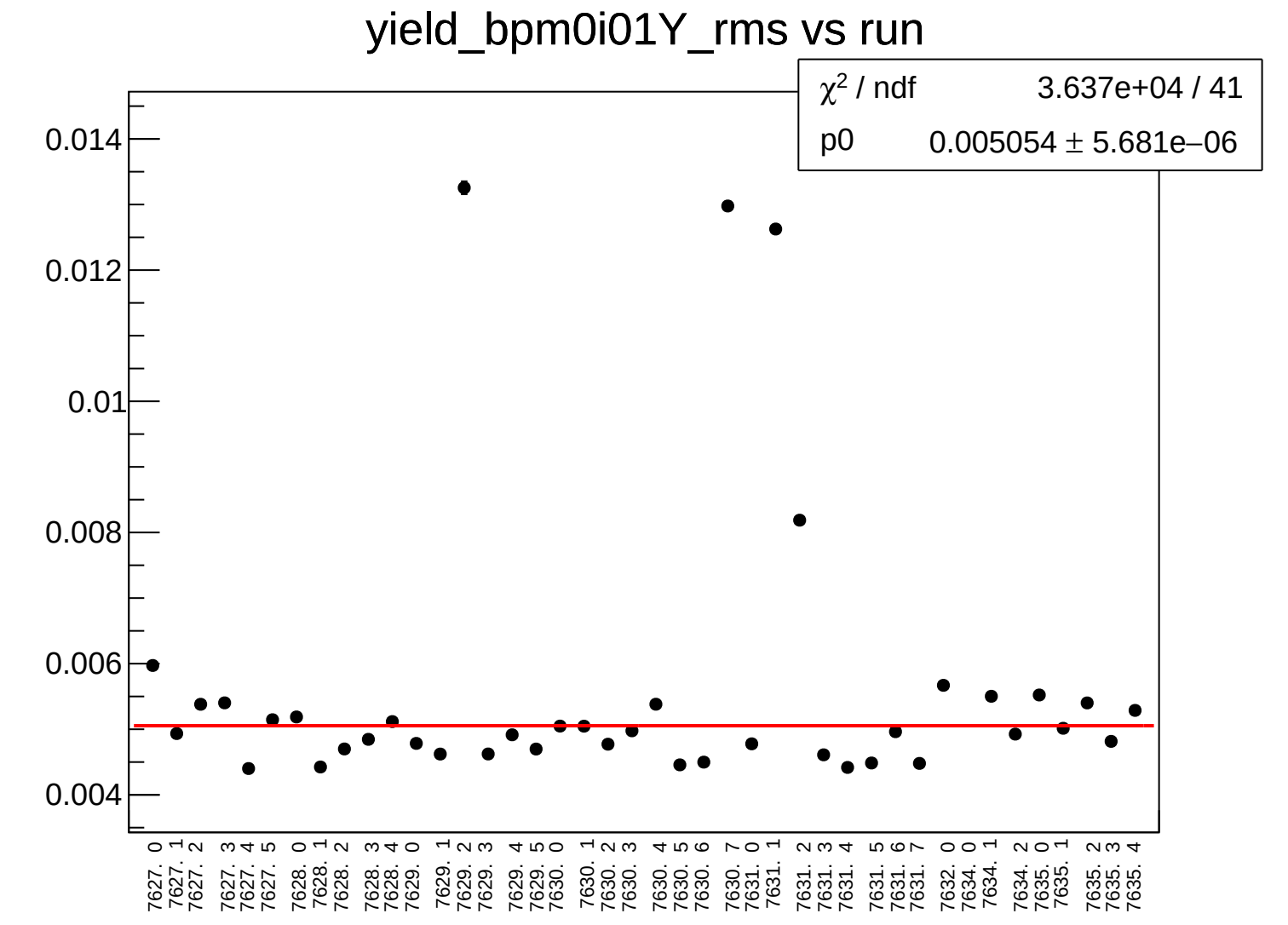

yield_bpm2i02Y_mean vs run
χ² / ndf 9.828e+05 / 41
p0 −1.436 ± 1.528e−05
−1.41
−1.42
−1.43
−1.44
−1.45
−1.46
−1.47
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −17.99
Std Dev 41.03
200
100
0
−100
−200
−300
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

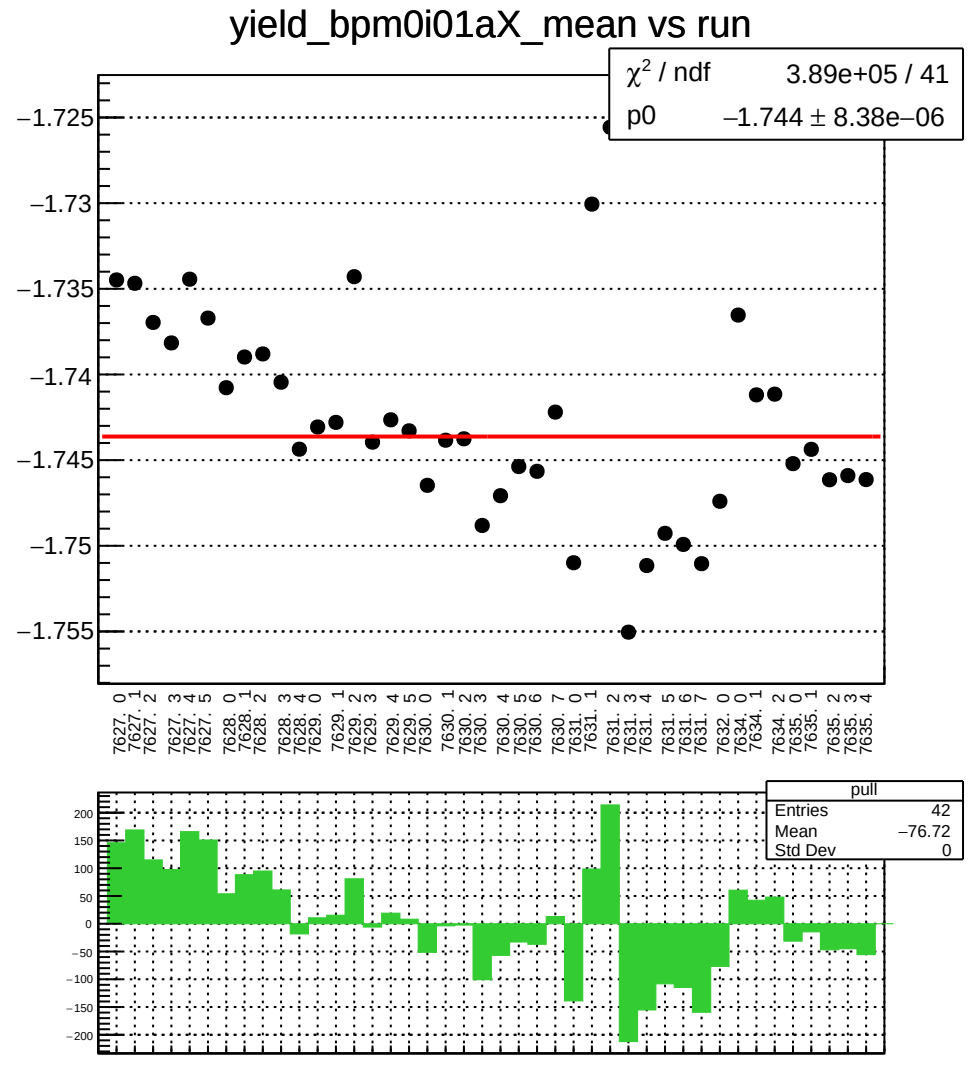

yield_bpm2i02Y_rms vs run
χ² / ndf 9425 / 41
p0 0.009771 ± 1.08e–05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

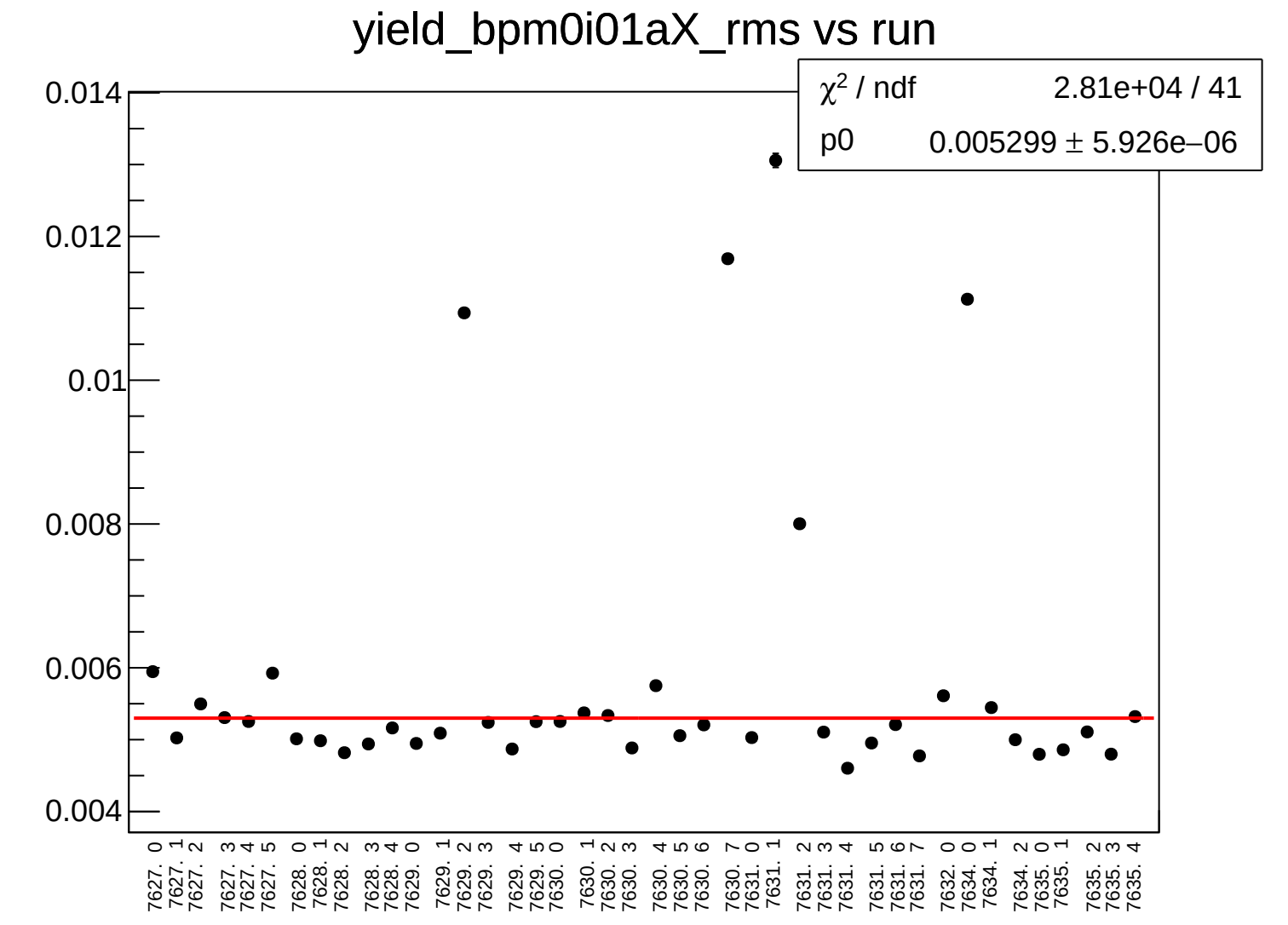

yield_bpm0i01X_mean vs run
χ² / ndf 3.358e+05 / 41
p0 0.0867 ± 1.233e−05
0.115
0.11
0.105
0.1
0.095
0.09
0.085
0.08
0.075
0.07
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −65.9
Std Dev 0
200
150
100
50
0
−50
−100
−150
pull1D
Entries 42
Mean 5.256
Std Dev 1.853
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

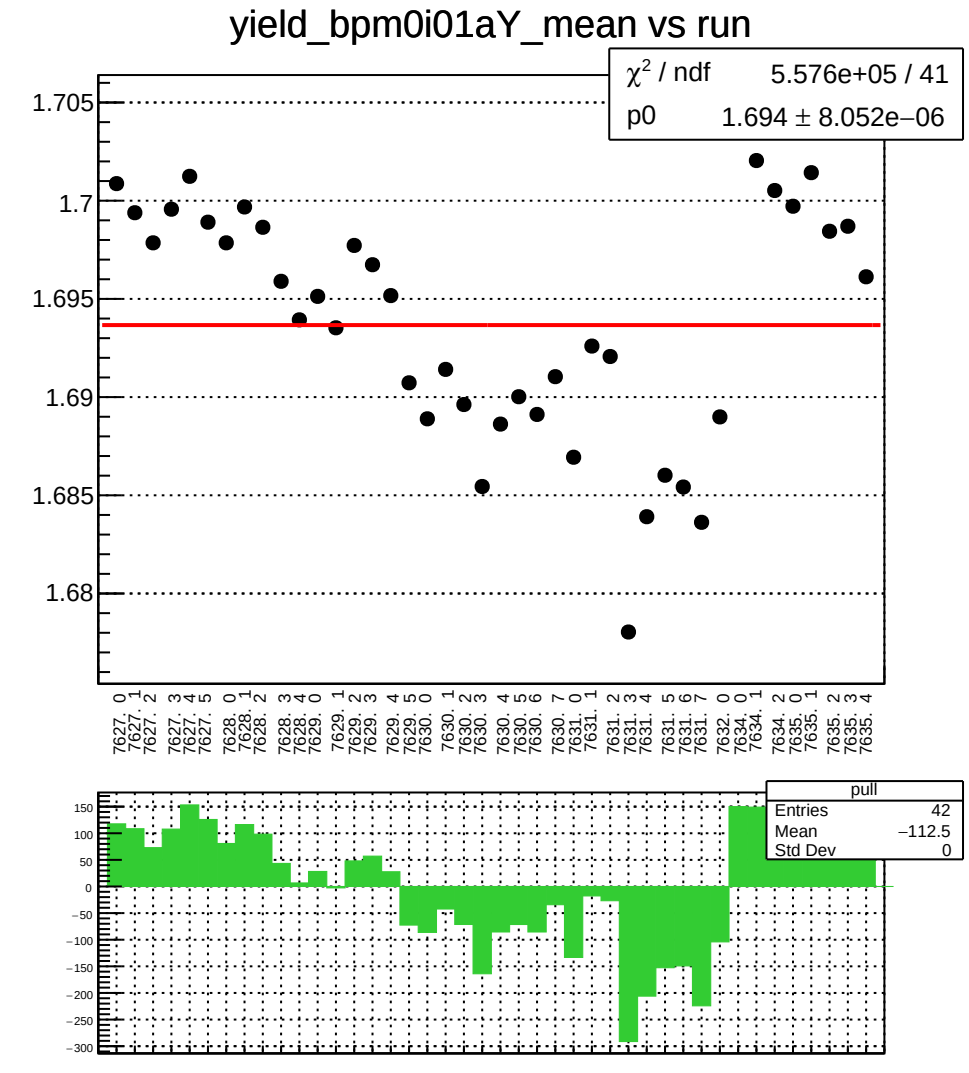

yield_bpm0i01X_rms vs run
χ² / ndf 2.559e+04 / 41
p0 0.007806 ± 8.716e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

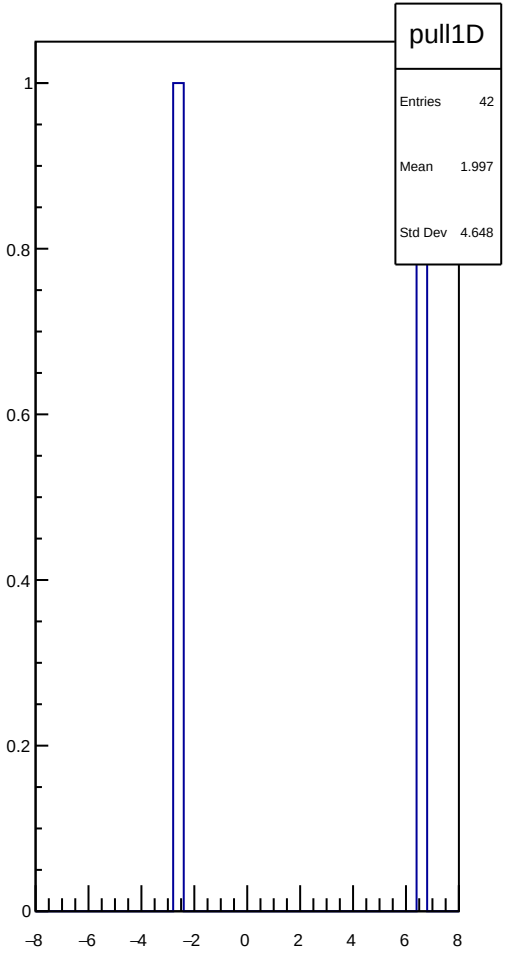

yield_bpm0i01Y_mean vs run
χ² / ndf 5.015e+05 / 41
p0 −1.206 ± 8.034e−06
−1.19
−1.195
−1.2
−1.205
−1.21
−1.215
−1.22
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −128.8
Std Dev 0
200
100
0
−100
−200
pull1D
Entries 42
Mean 1.276
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

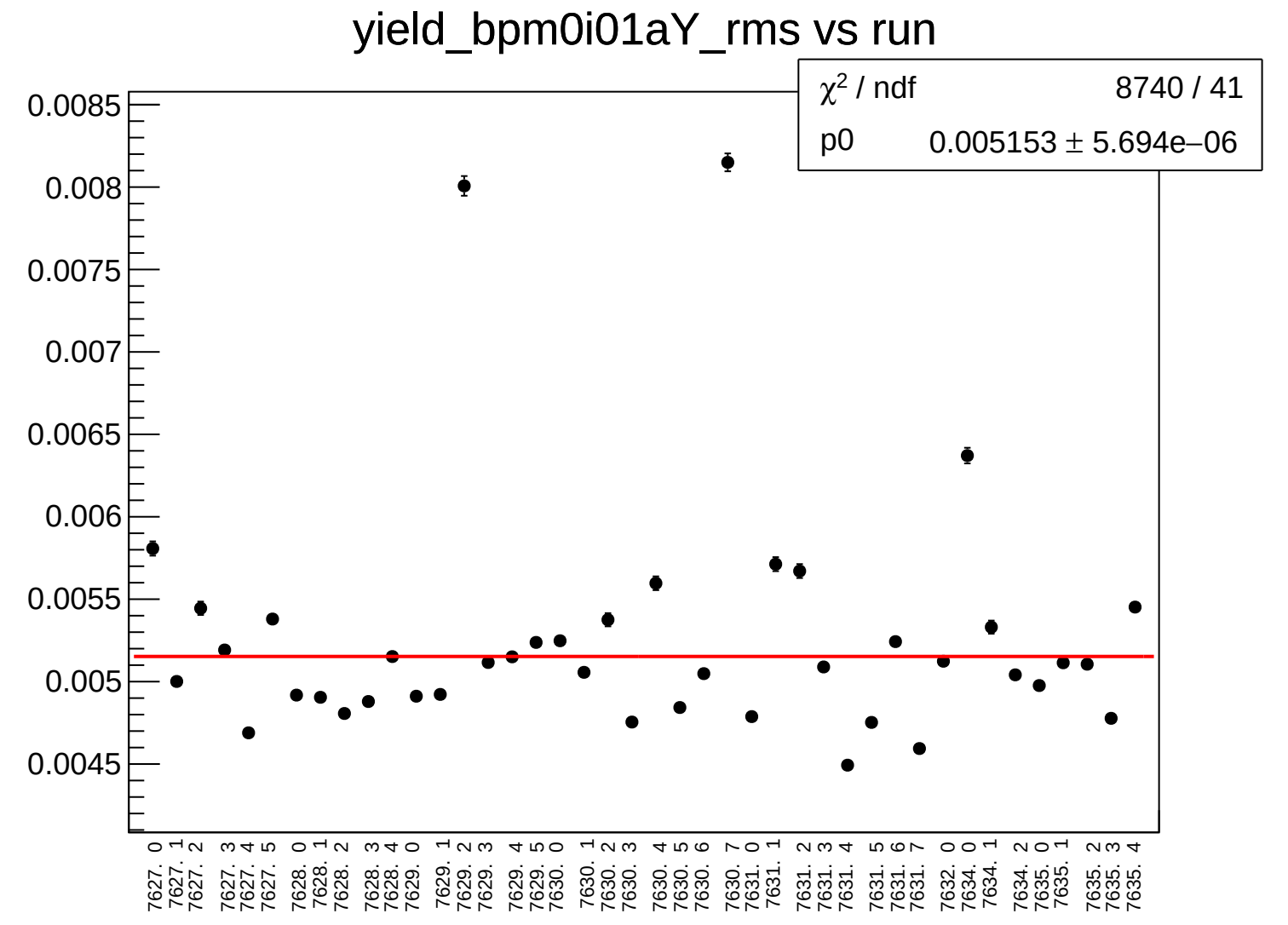

yield_bpm0i01Y_rms vs run
χ² / ndf 3.637e+04 / 41
p0 0.005054 ± 5.681e−06
0.014
0.012
0.01
0.008
0.006
0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

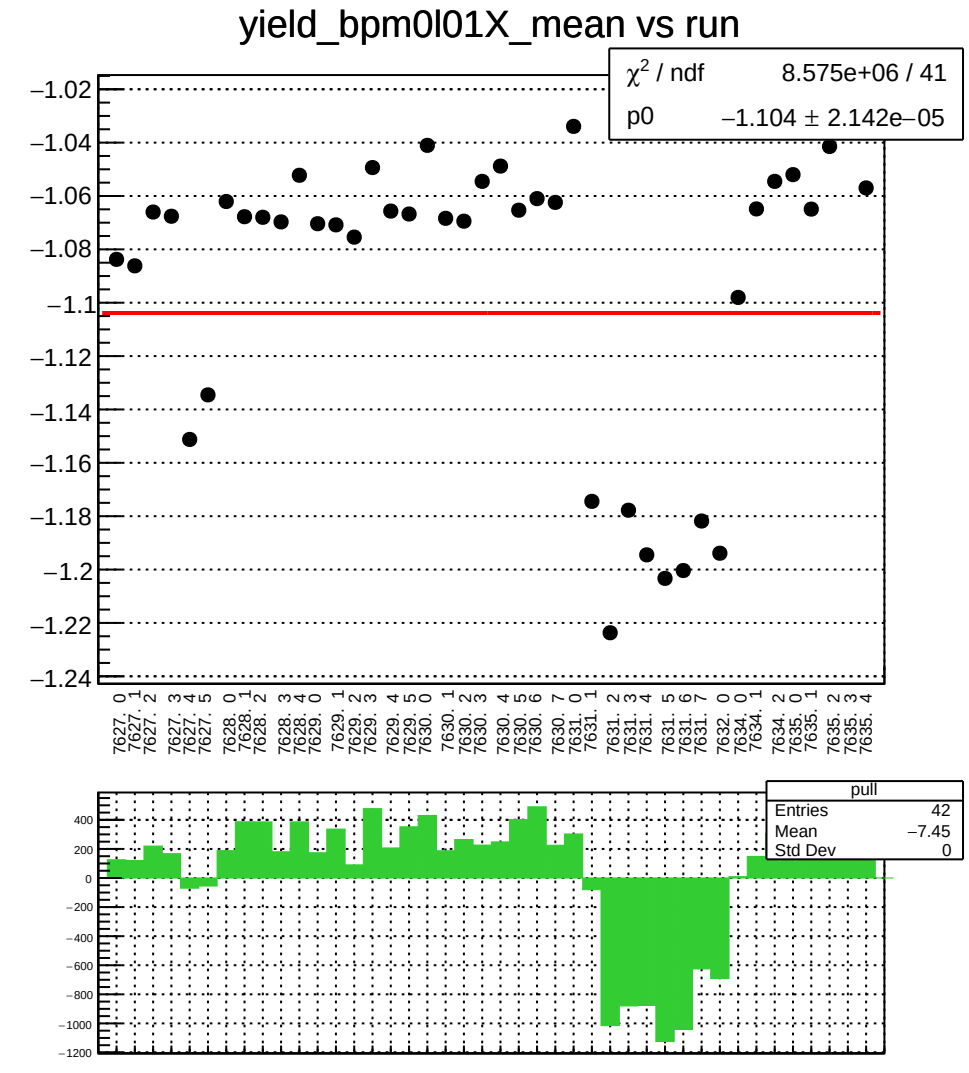

yield_bpm0i01aX_mean vs run
χ² / ndf 3.89e+05 / 41
p0 −1.744 ± 8.38e−06
−1.725
−1.73
−1.735
−1.74
−1.745
−1.75
−1.755
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −76.72
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 42
Mean −4.026
Std Dev 1.488
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

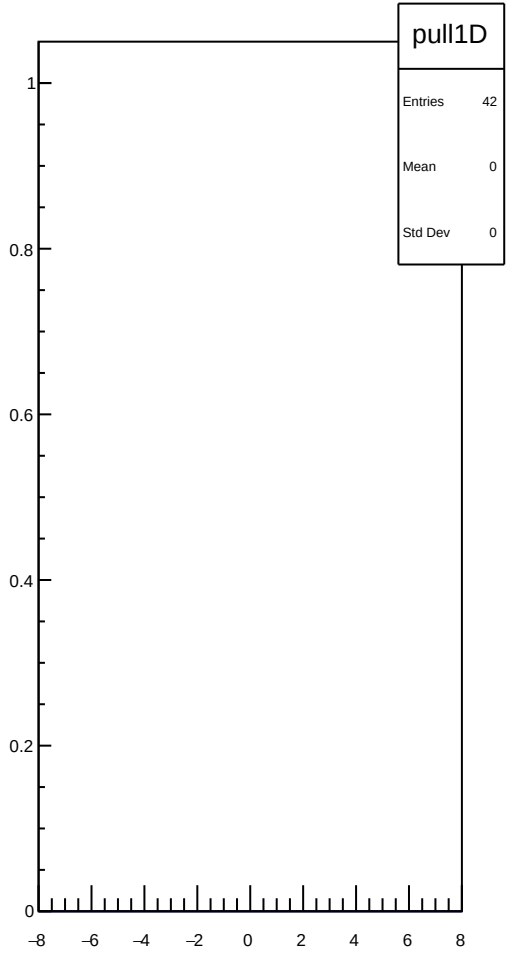

yield_bpm0i01aX_rms vs run
χ² / ndf 2.81e+04 / 41
p0 0.005299 ± 5.926e−06
0.014
0.012
0.01
0.008
0.006
0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

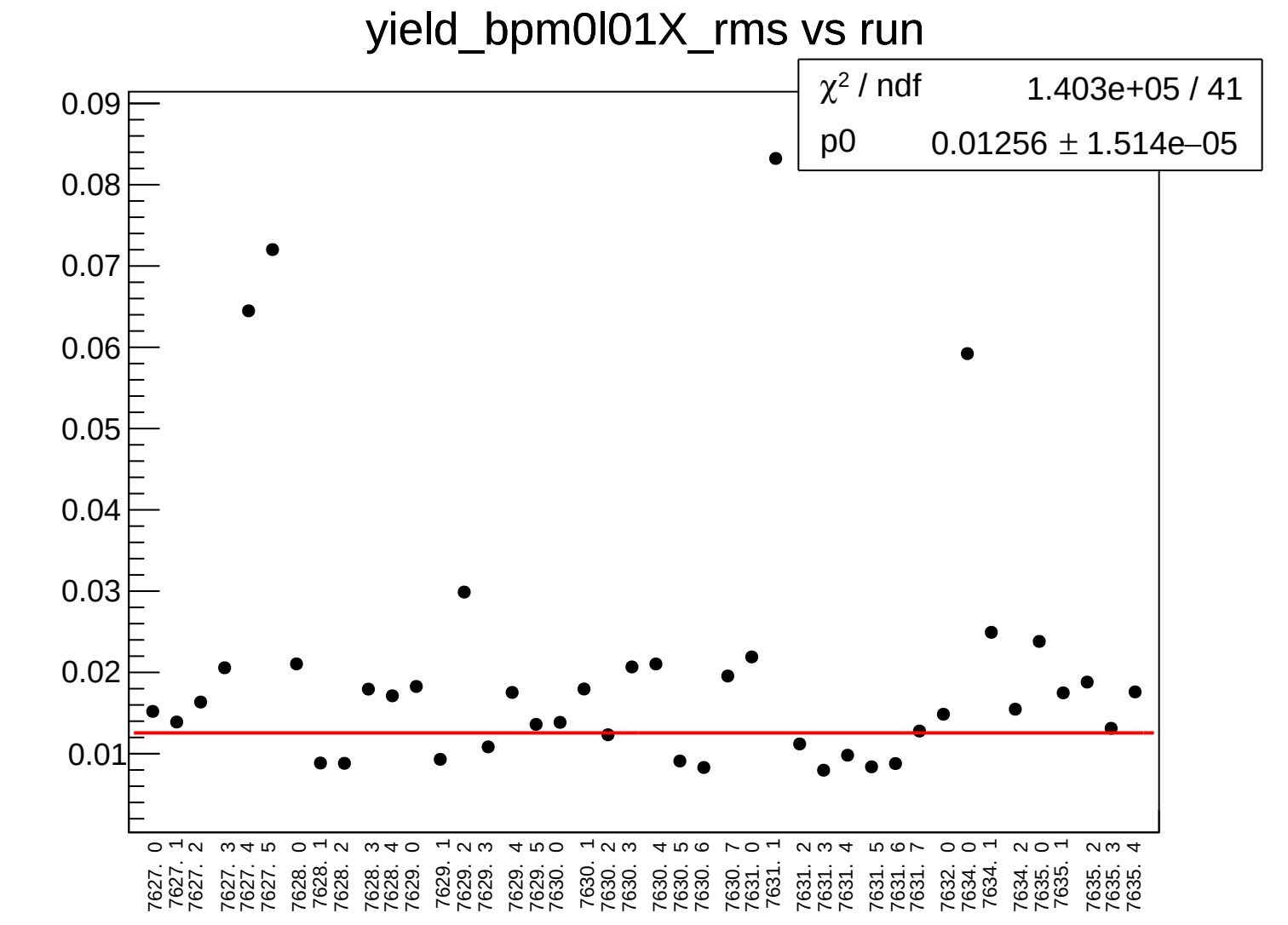

yield_bpm0i01aY_mean vs run
χ² / ndf 5.576e+05 / 41
p0 1.694 ± 8.052e−06
1.705
1.7
1.695
1.69
1.685
1.68
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −112.5
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250
−300

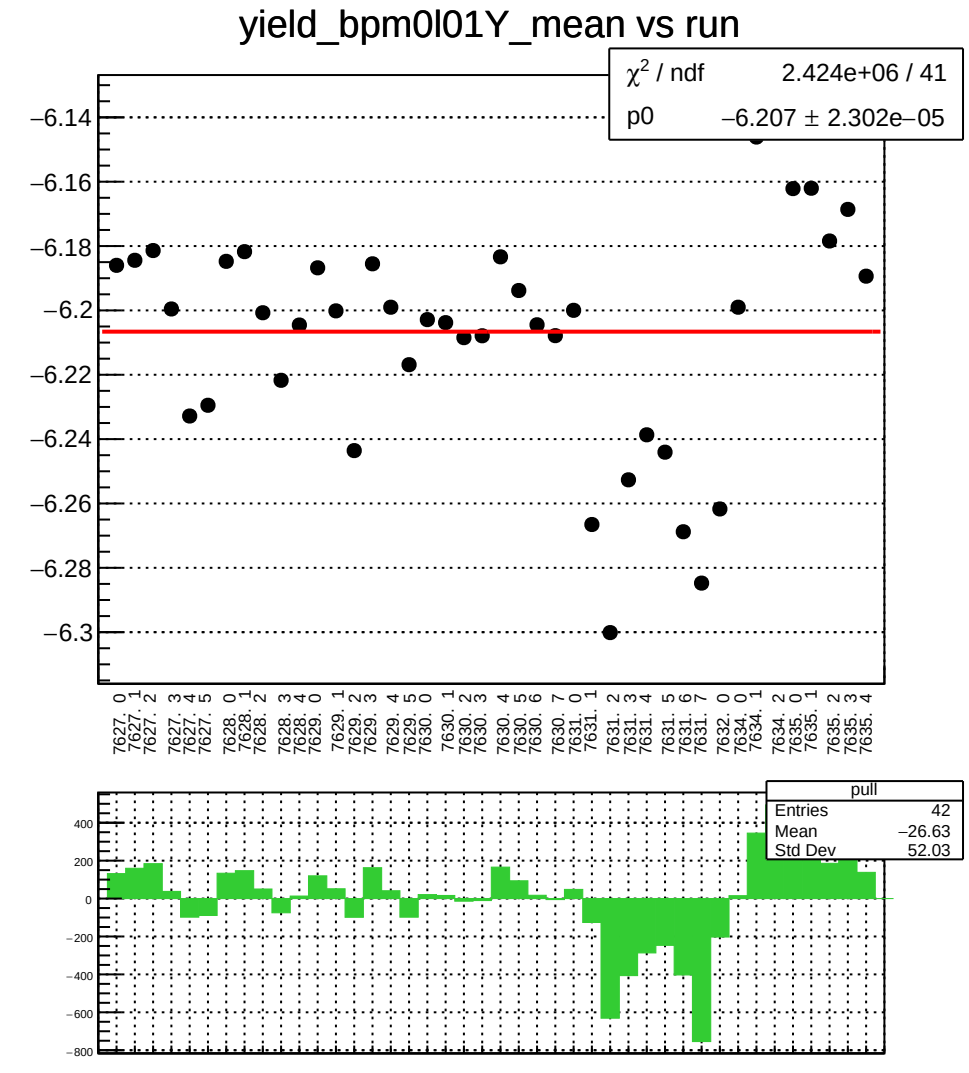

pull1D
Entries 42
Mean 1.997
Std Dev 4.648
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

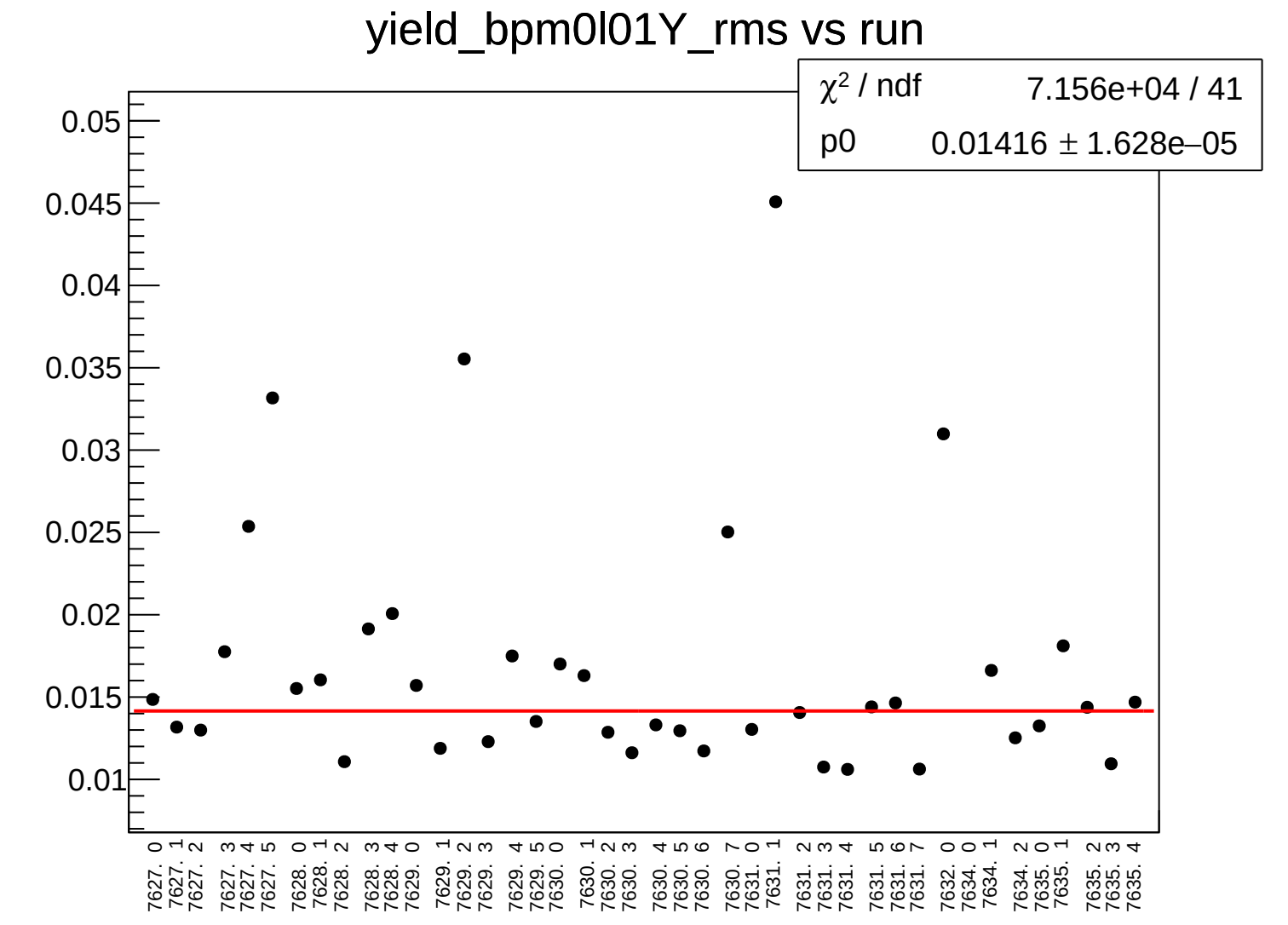

yield_bpm0i01aY_rms vs run
χ² / ndf 8740 / 41
p0 0.005153 ± 5.694e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

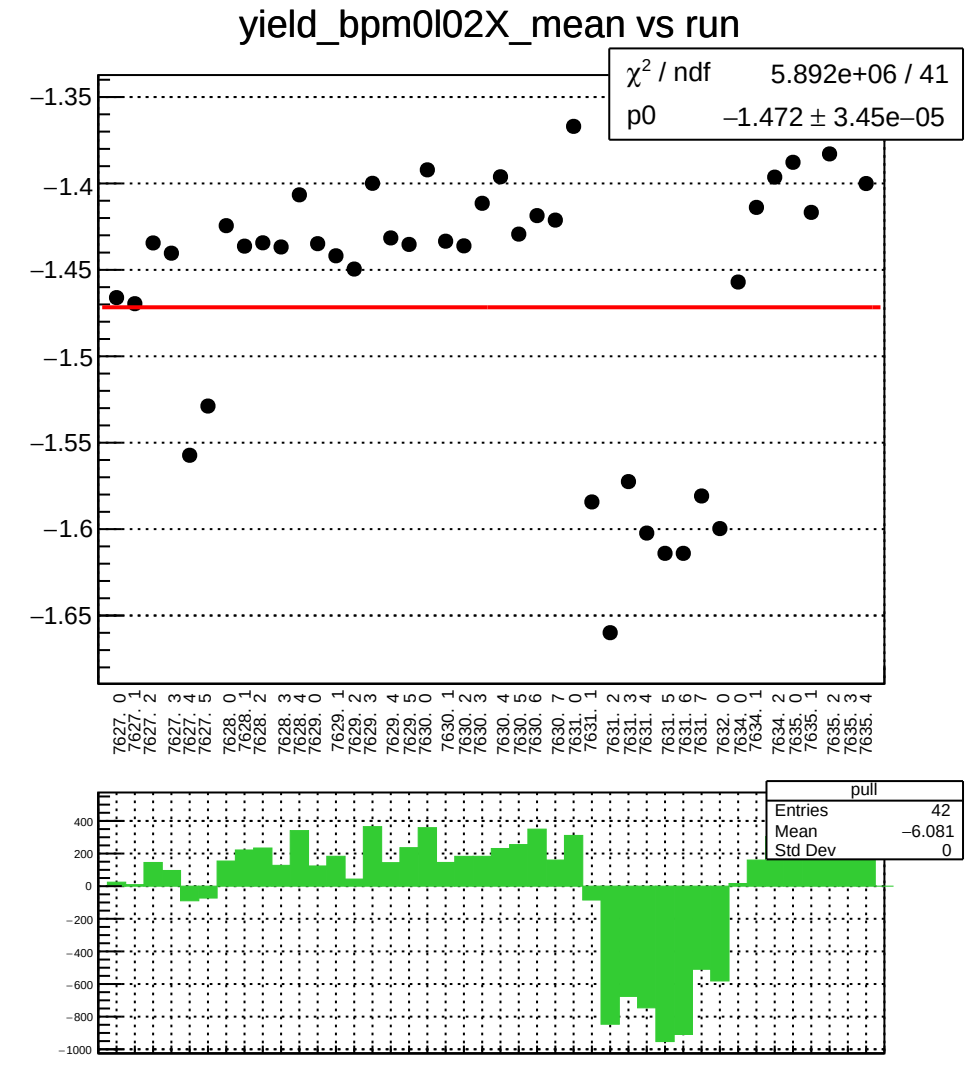

yield_bpm0l01X_mean vs run
χ² / ndf 8.575e+06 / 41
p0 −1.104 ± 2.142e−05
pull
Entries 42
Mean −7.45
Std Dev 0

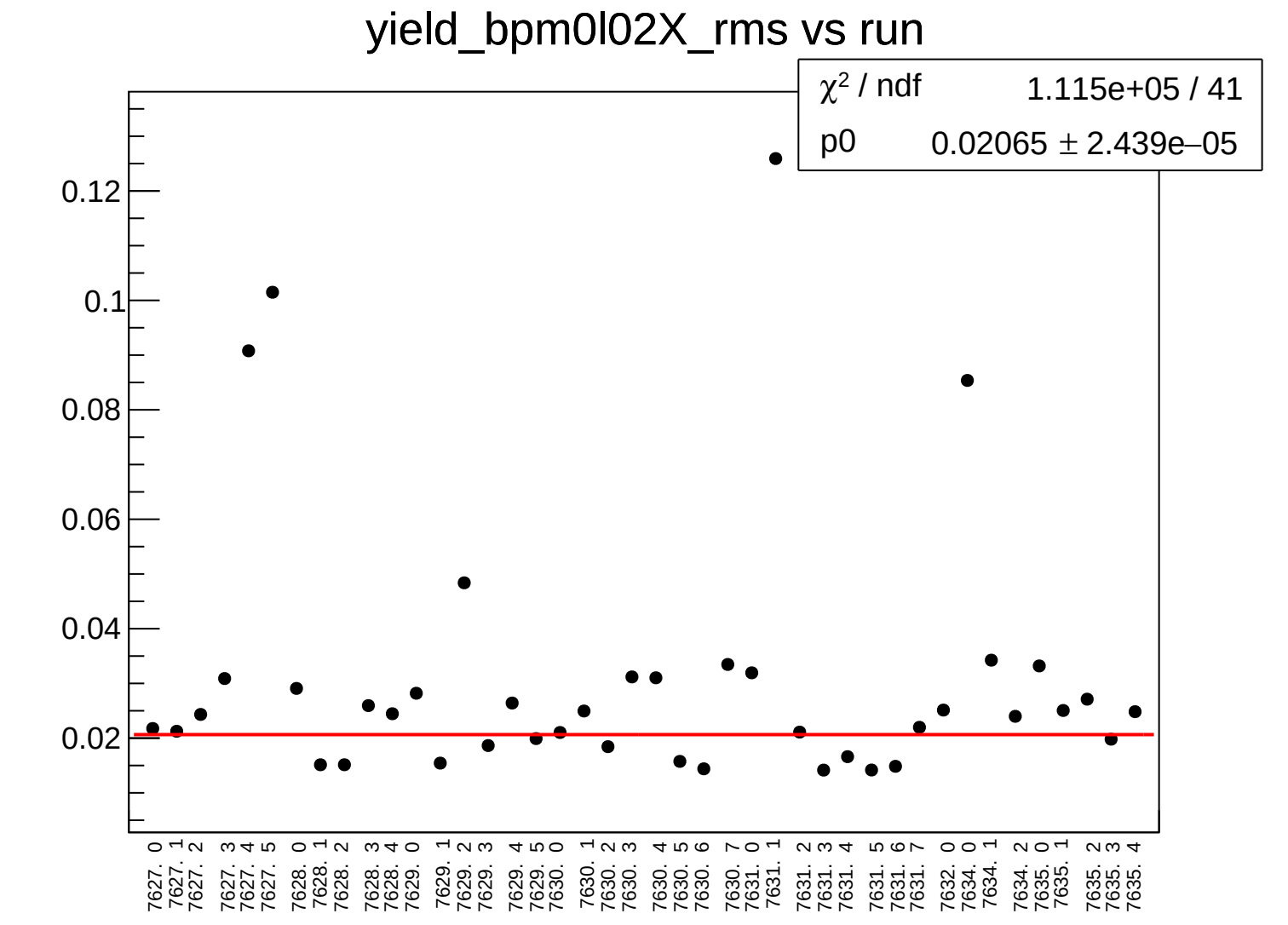

pull1D
Entries 42
Mean 0
Std Dev 0

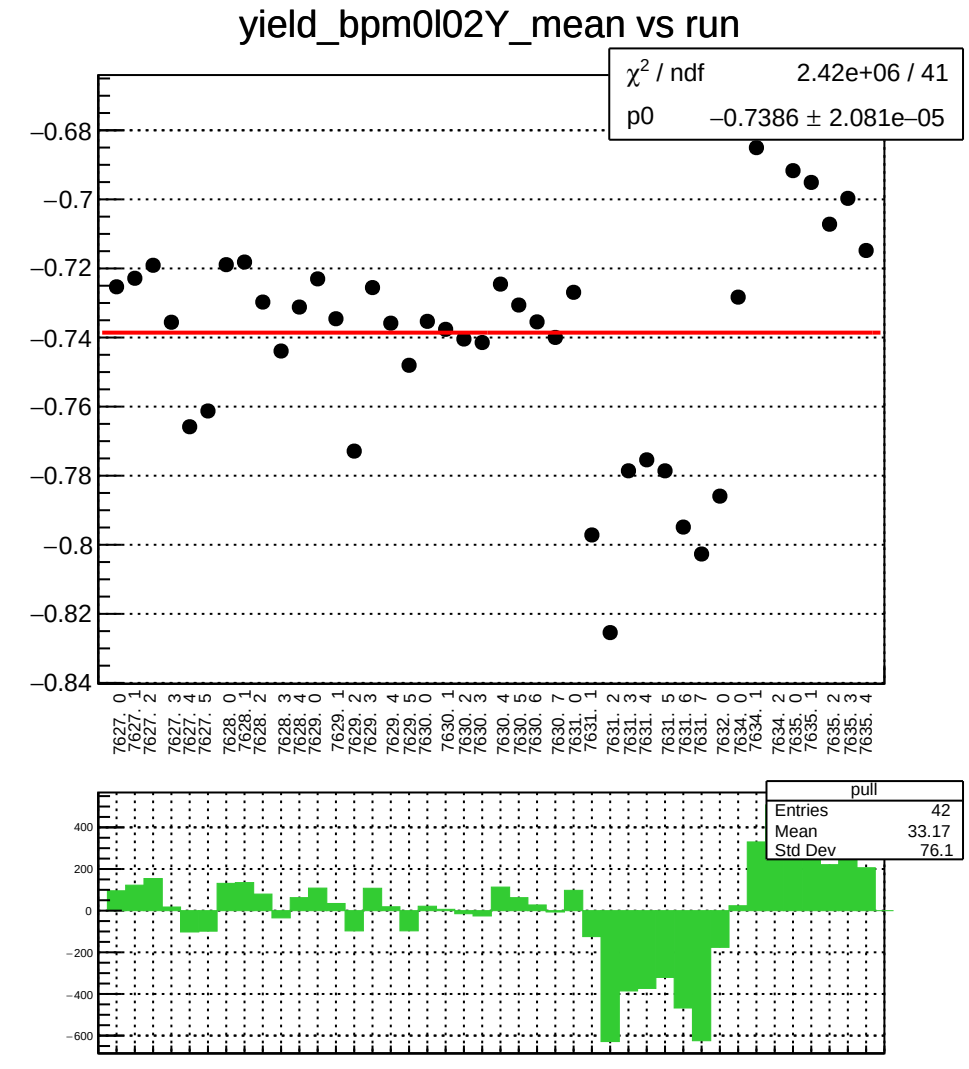

yield_bpm0l01X_rms vs run
χ² / ndf 1.403e+05 / 41
p0 0.01256 ± 1.514e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

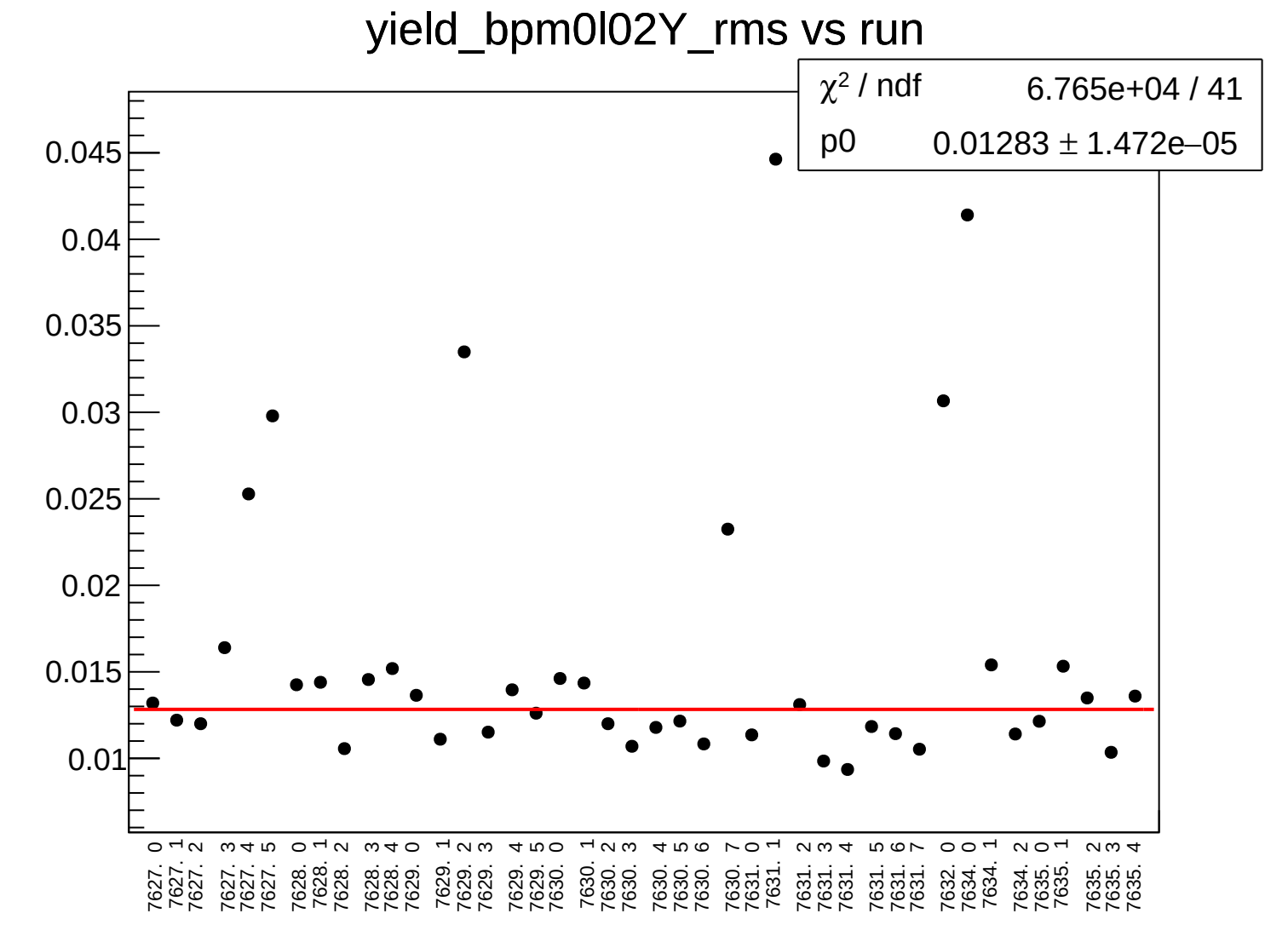

yield_bpm0l01Y_mean vs run
χ² / ndf 2.424e+06 / 41
p0 −6.207 ± 2.302e−05
−6.14
−6.16
−6.18
−6.2
−6.22
−6.24
−6.26
−6.28
−6.3
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −26.63
Std Dev 52.03
400
200
0
−200
−400
−600
−800
pull1D
Entries 42
Mean −5.27
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

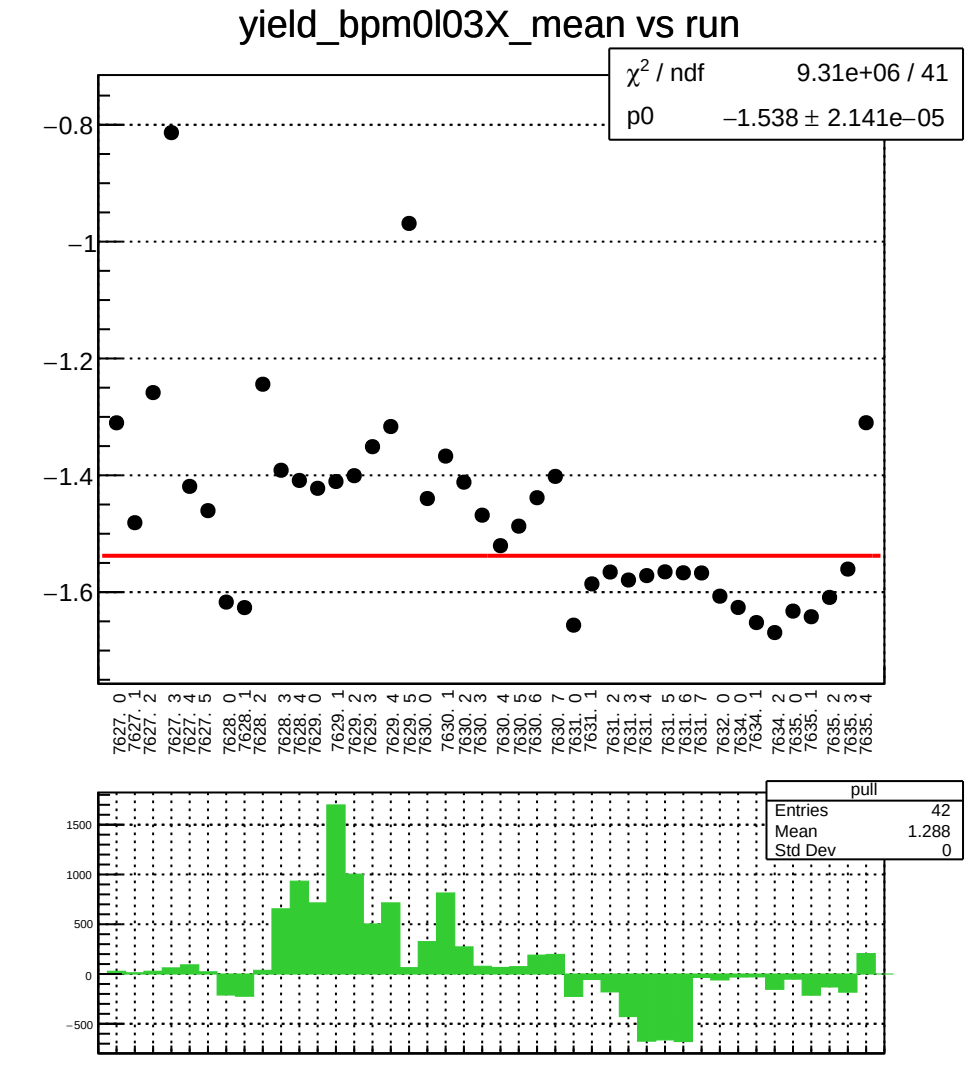

yield_bpm0l01Y_rms vs run
χ² / ndf 7.156e+04 / 41
p0 0.01416 ± 1.628e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

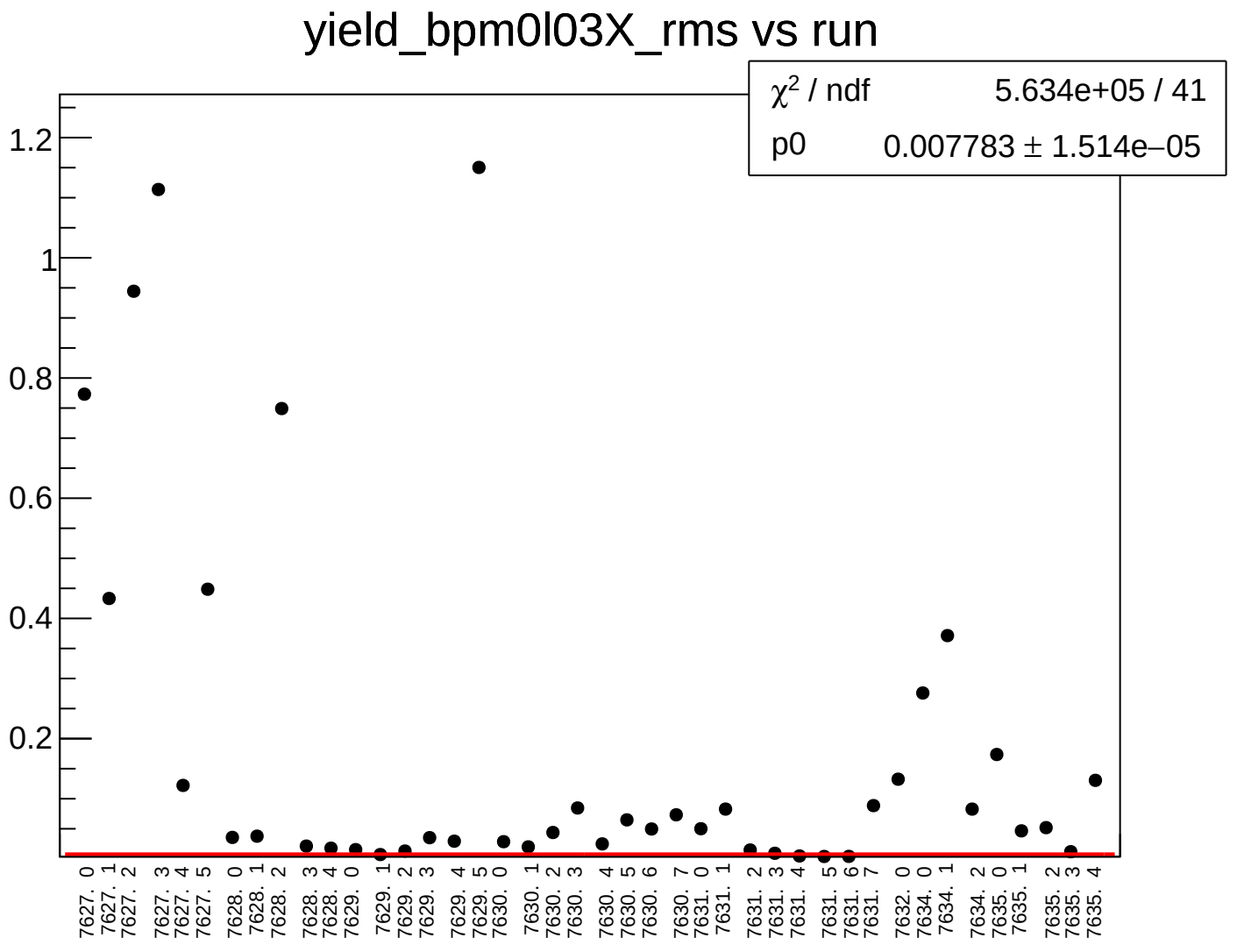

yield_bpm0l02X_mean vs run
χ² / ndf 5.892e+06 / 41
p0 −1.472 ± 3.45e−05
−1.35
−1.4
−1.45
−1.5
−1.55
−1.6
−1.65
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −6.081
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

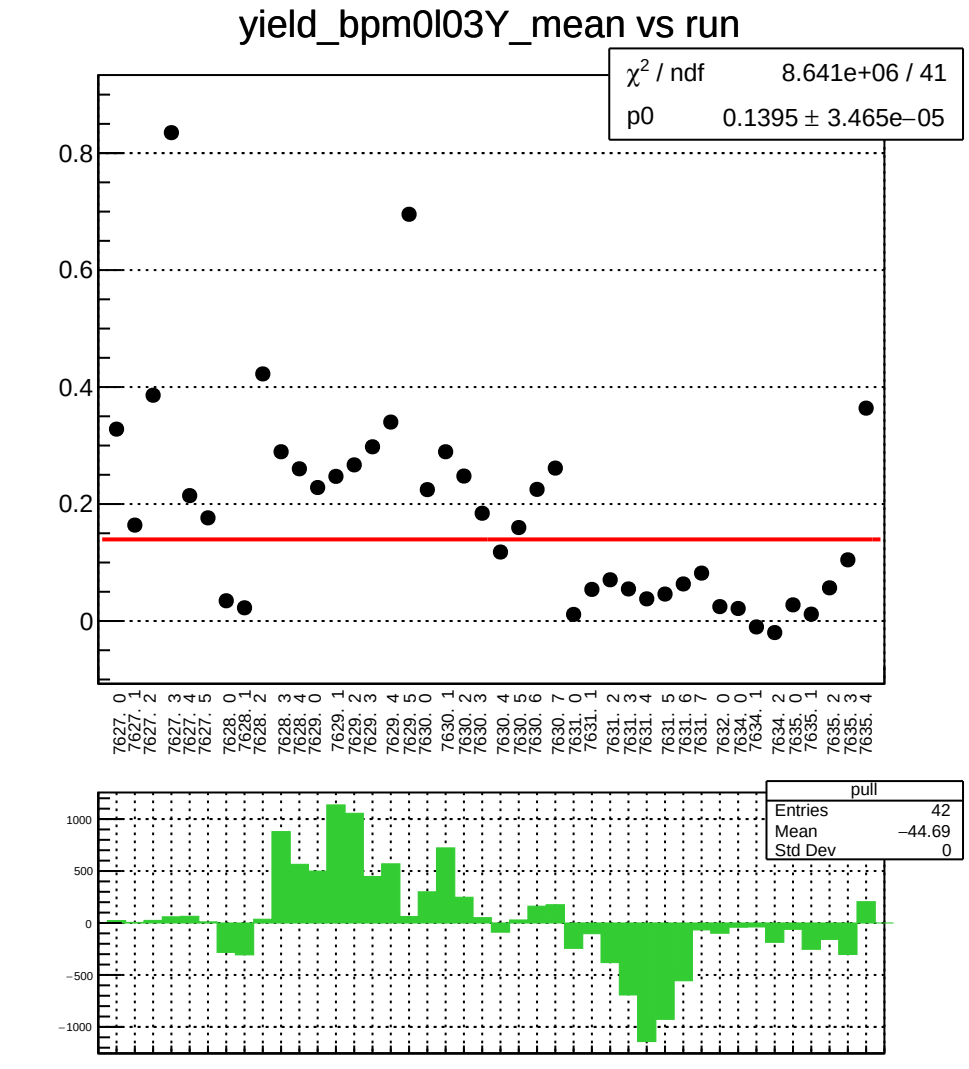

yield_bpm0l02X_rms vs run
χ² / ndf 1.115e+05 / 41
p0 0.02065 ± 2.439e–05
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

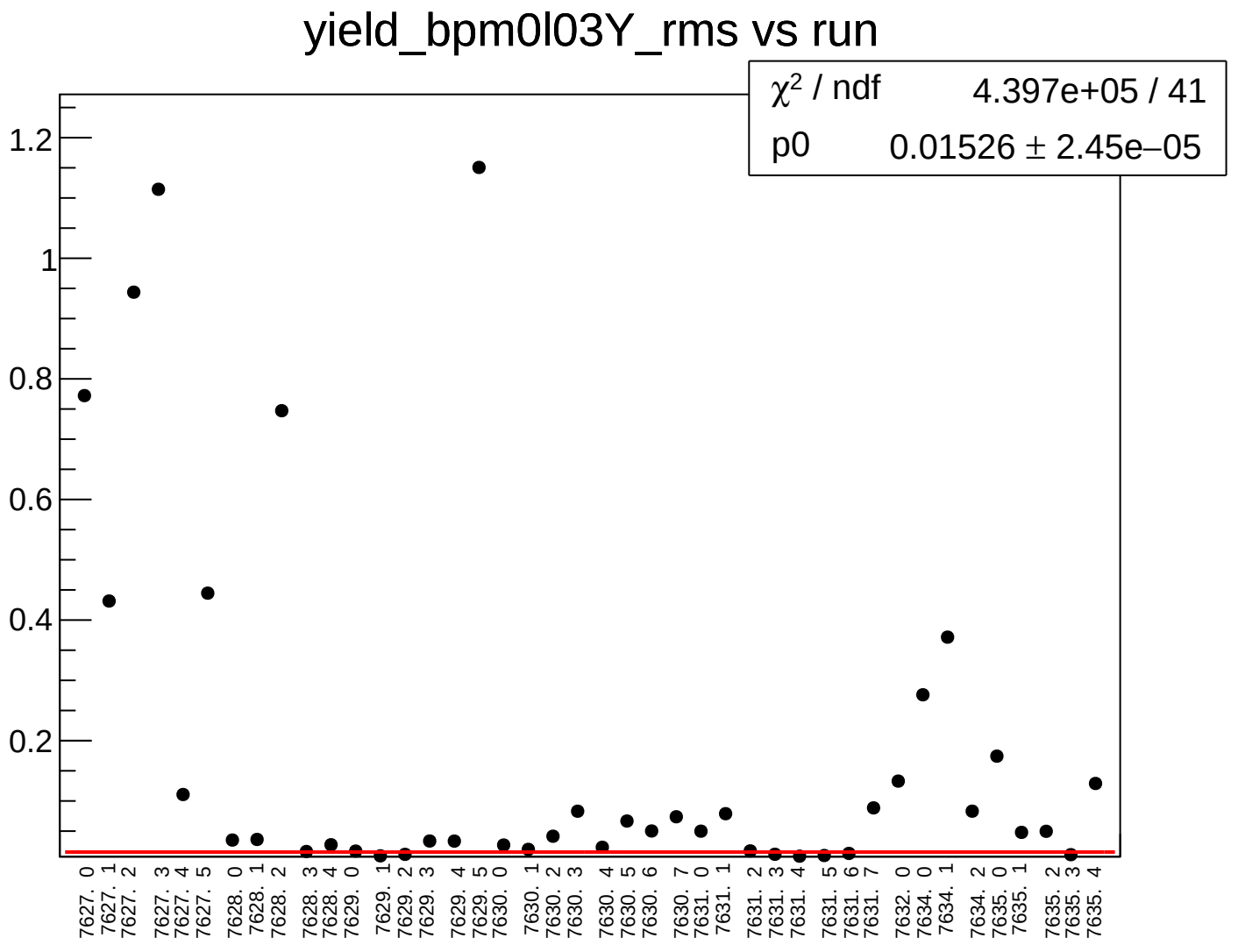

yield_bpm0l02Y_mean vs run
χ² / ndf 2.42e+06 / 41
p0 −0.7386 ± 2.081e−05
−0.68
−0.7
−0.72
−0.74
−0.76
−0.78
−0.8
−0.82
−0.84
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.17
Std Dev 76.1
400
200
0
−200
−400
−600
pull1D
Entries 42
Mean −0.009595
Std Dev 6.336
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

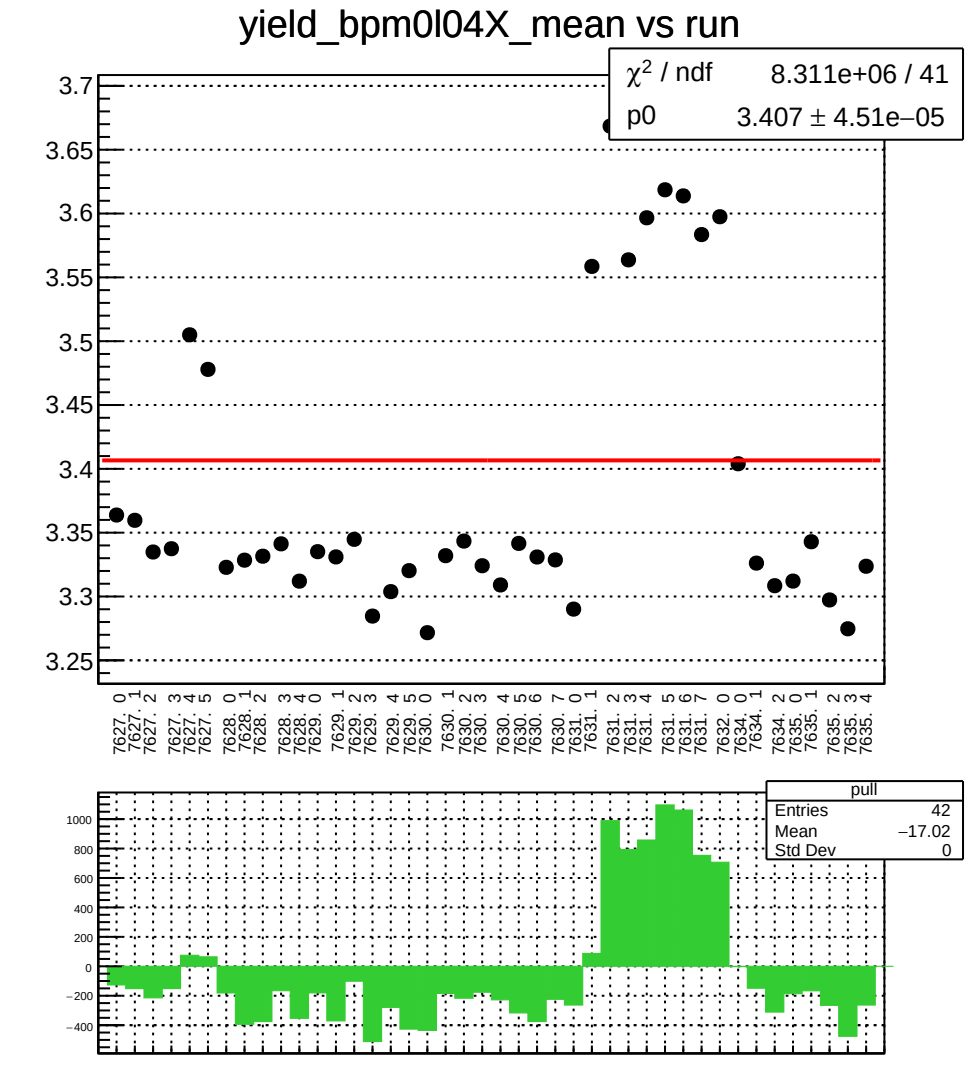

yield_bpm0l02Y_rms vs run
χ² / ndf 6.765e+04 / 41
p0 0.01283 ± 1.472e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

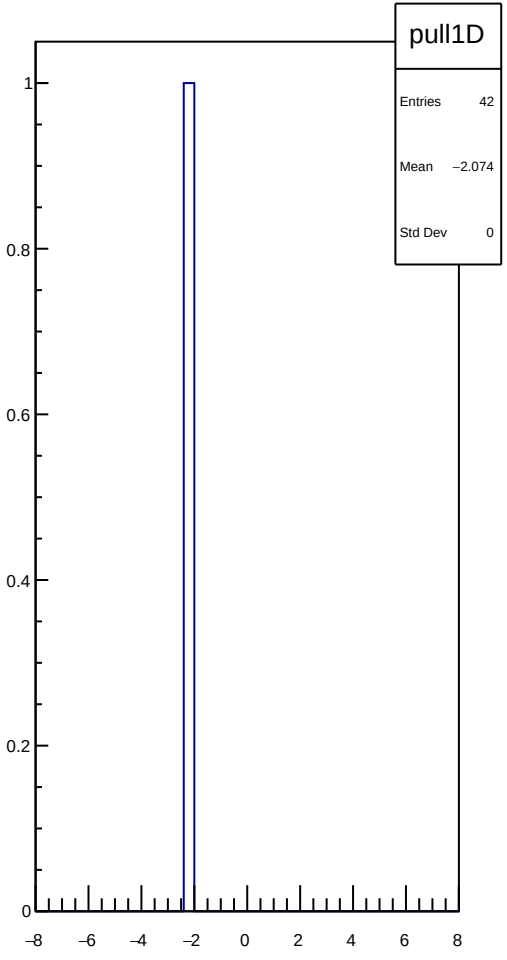

yield_bpm0l03X_mean vs run
χ² / ndf 9.31e+06 / 41
p0 −1.538 ± 2.141e−05
−0.8
−1
−1.2
−1.4
−1.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1.288
Std Dev 0
1500
1000
500
0
−500
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

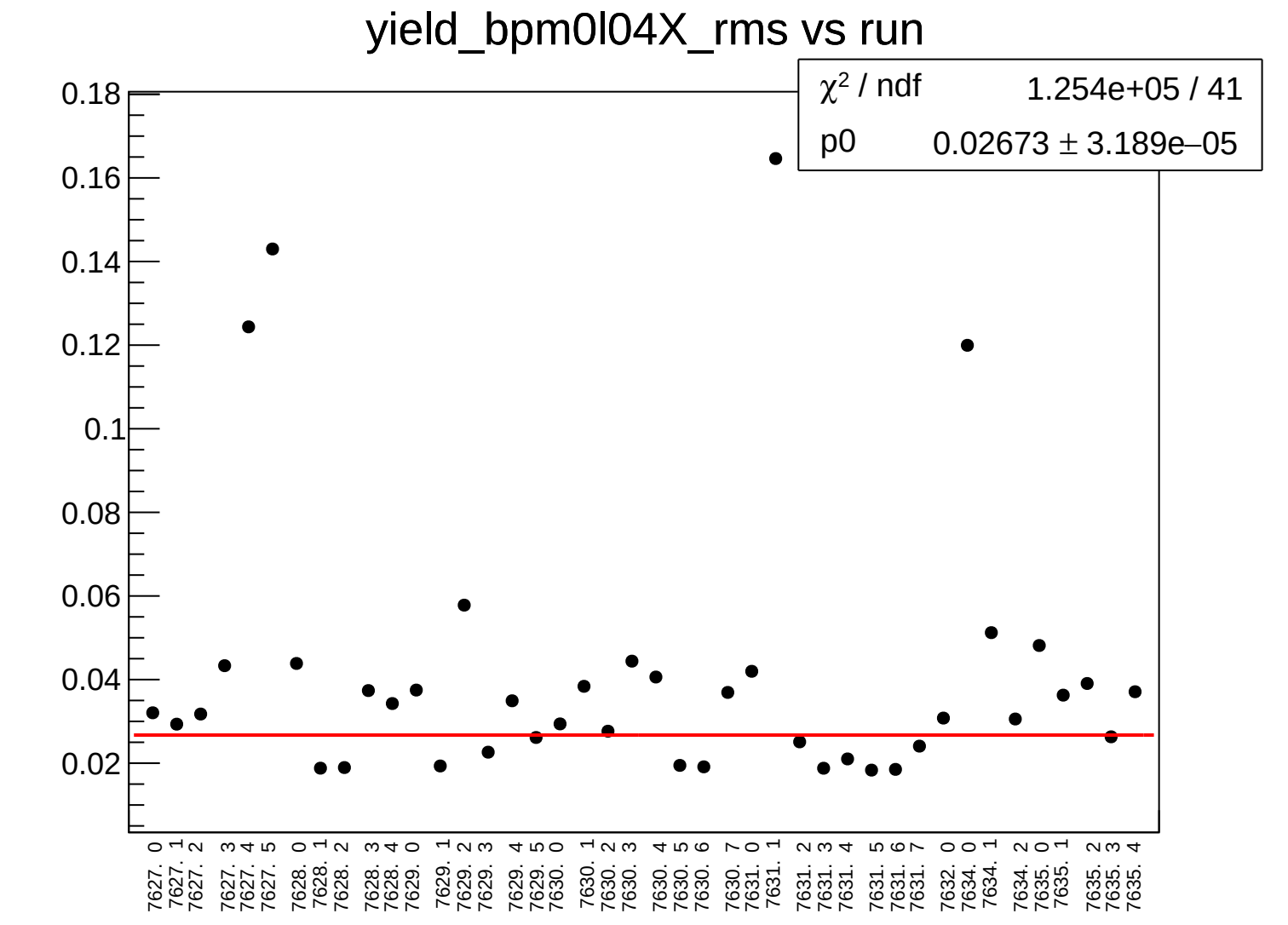

yield_bpm0l03X_rms vs run
χ² / ndf 5.634e+05 / 41
p0 0.007783 ± 1.514e−05
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

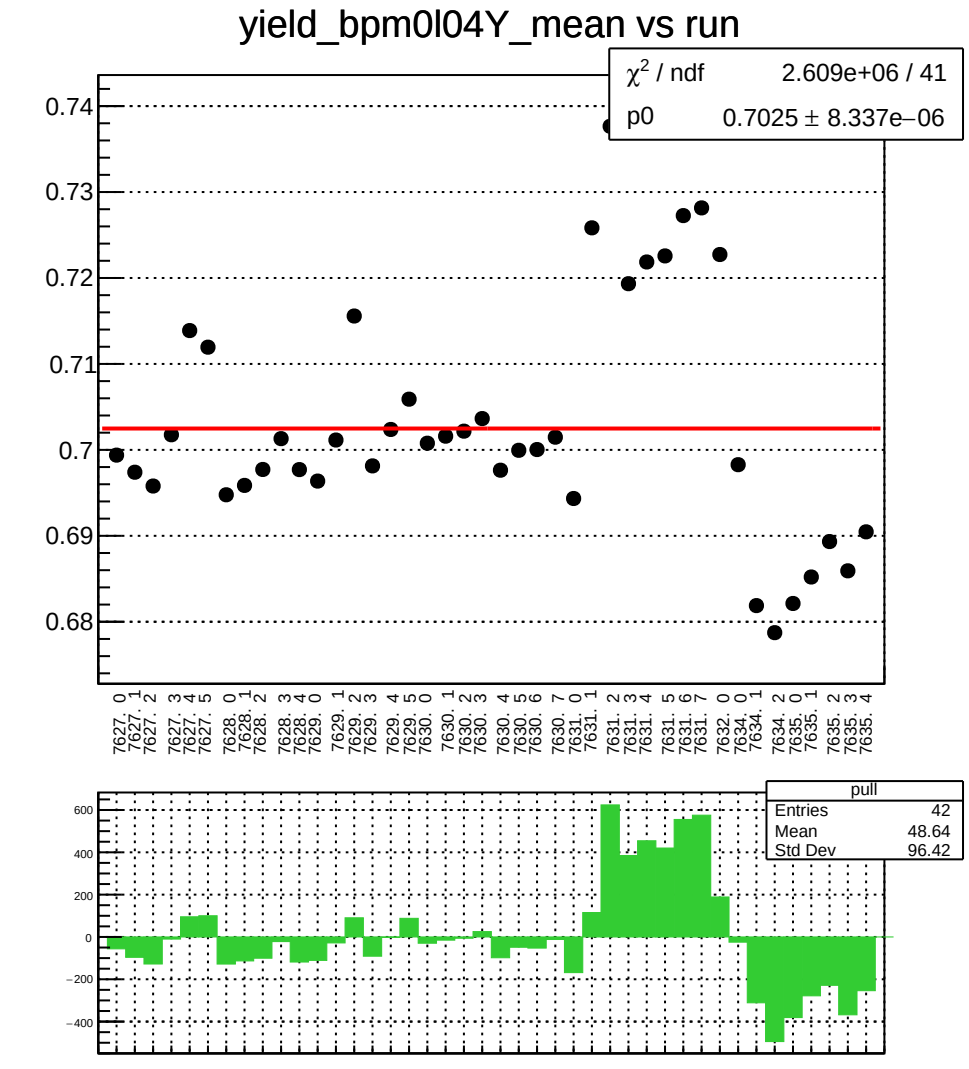

yield_bpm0l03Y_mean vs run
χ² / ndf 8.641e+06 / 41
p0 0.1395 ± 3.465e−05
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −44.69
Std Dev 0
1000
500
0
−500
−1000
pull1D
Entries 42
Mean 5.38
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

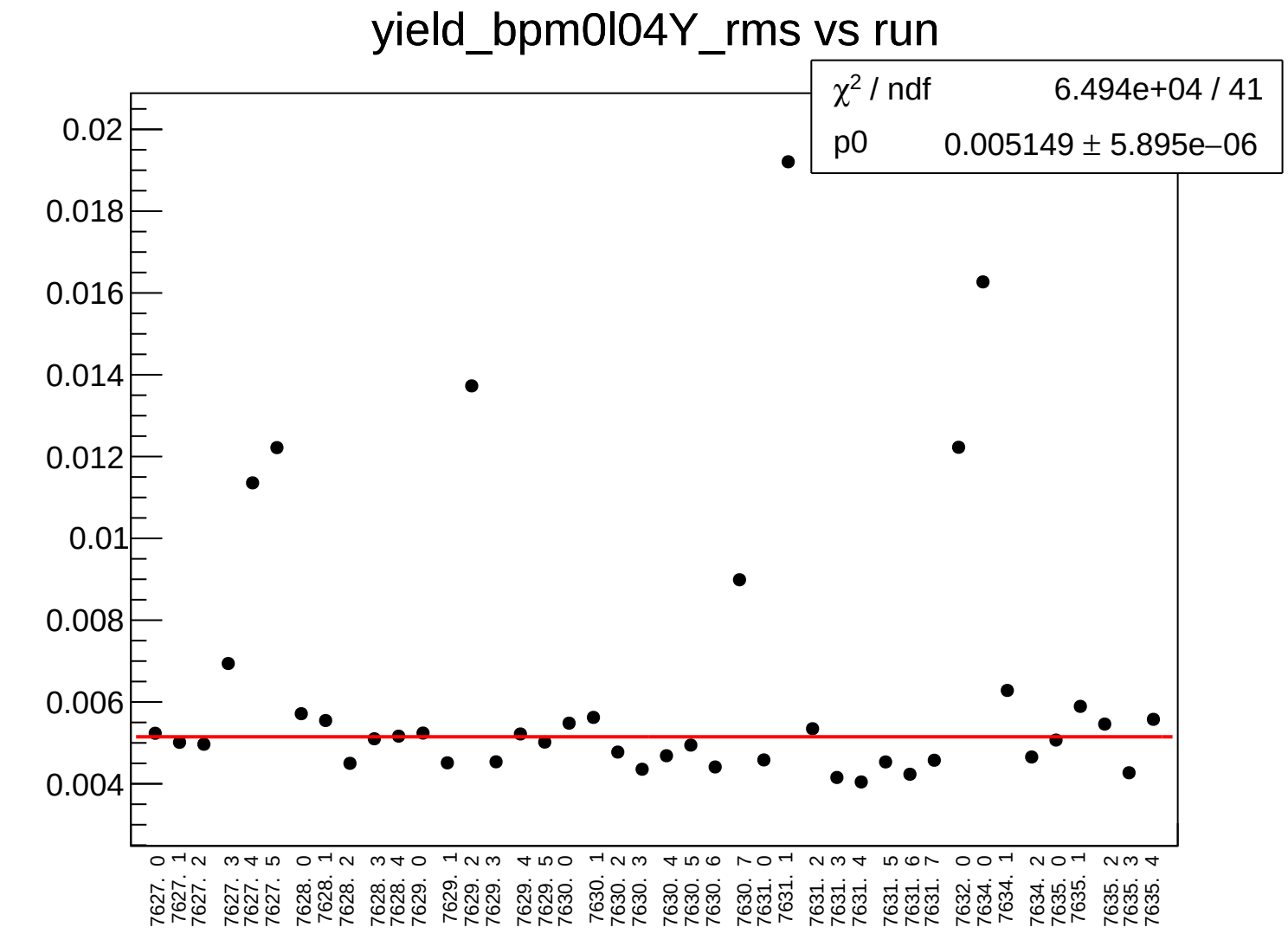

yield_bpm0l03Y_rms vs run
χ² / ndf 4.397e+05 / 41
p0 0.01526 ± 2.45e−05
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

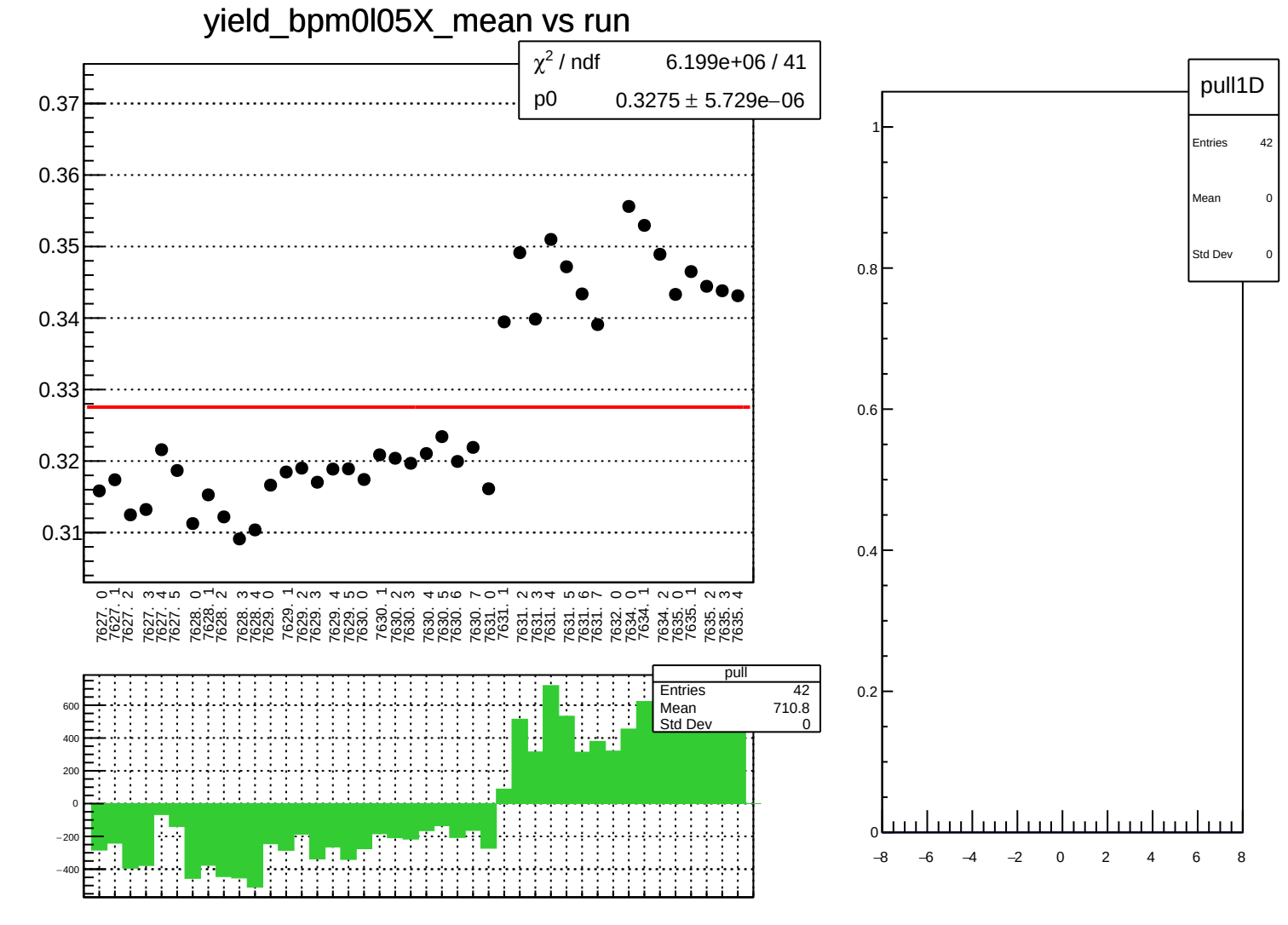

yield_bpm0l04X_mean vs run
χ² / ndf 8.311e+06 / 41
p0 3.407 ± 4.51e−05
pull
Entries 42
Mean −17.02
Std Dev 0

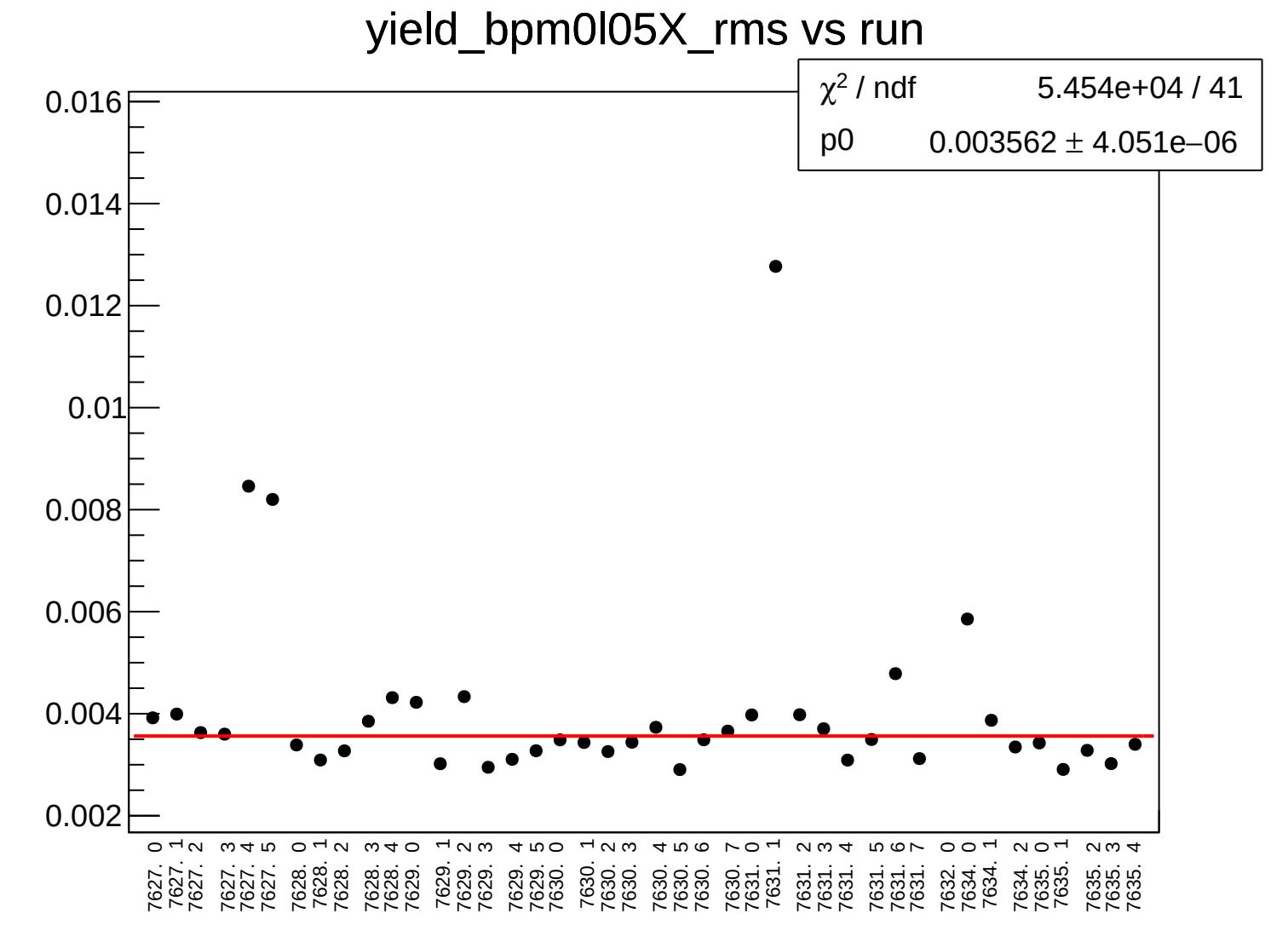

pull1D
Entries 42
Mean −2.074
Std Dev 0

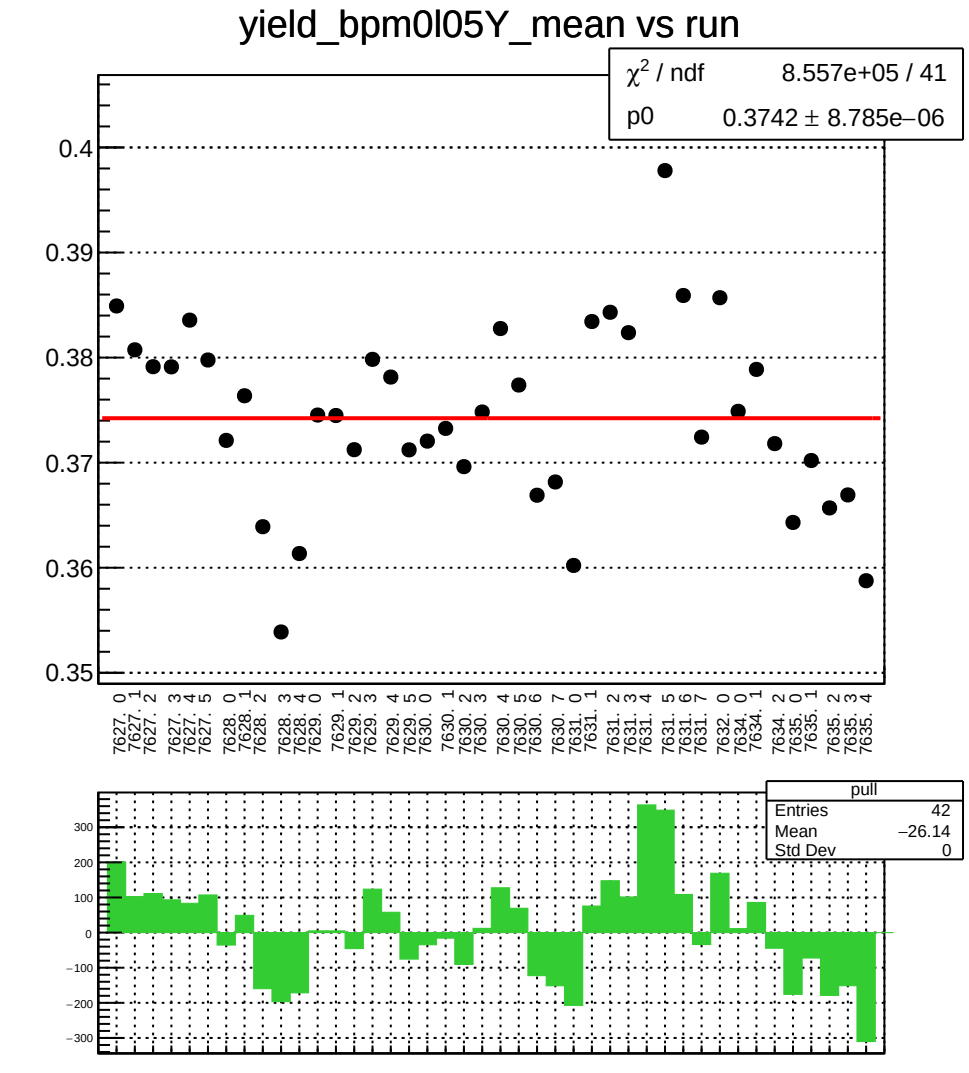

yield_bpm0l04X_rms vs run
χ² / ndf 1.254e+05 / 41
p0 0.02673 ± 3.189e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

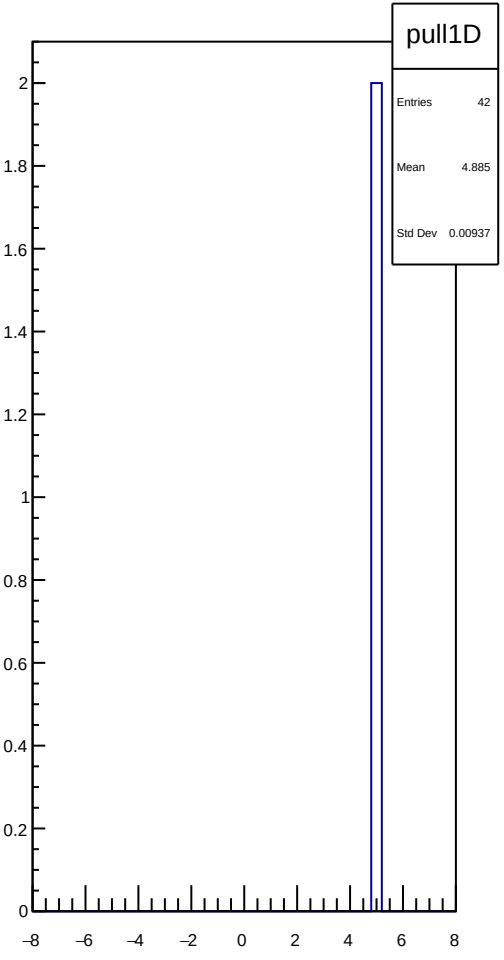

yield_bpm0l04Y_mean vs run
χ² / ndf 2.609e+06 / 41
p0 0.7025 ± 8.337e−06
0.74
0.73
0.72
0.71
0.7
0.69
0.68
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 48.64
Std Dev 96.42
600
400
200
0
−200
−400
pull1D
Entries 42
Mean −4.023
Std Dev 2.057
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

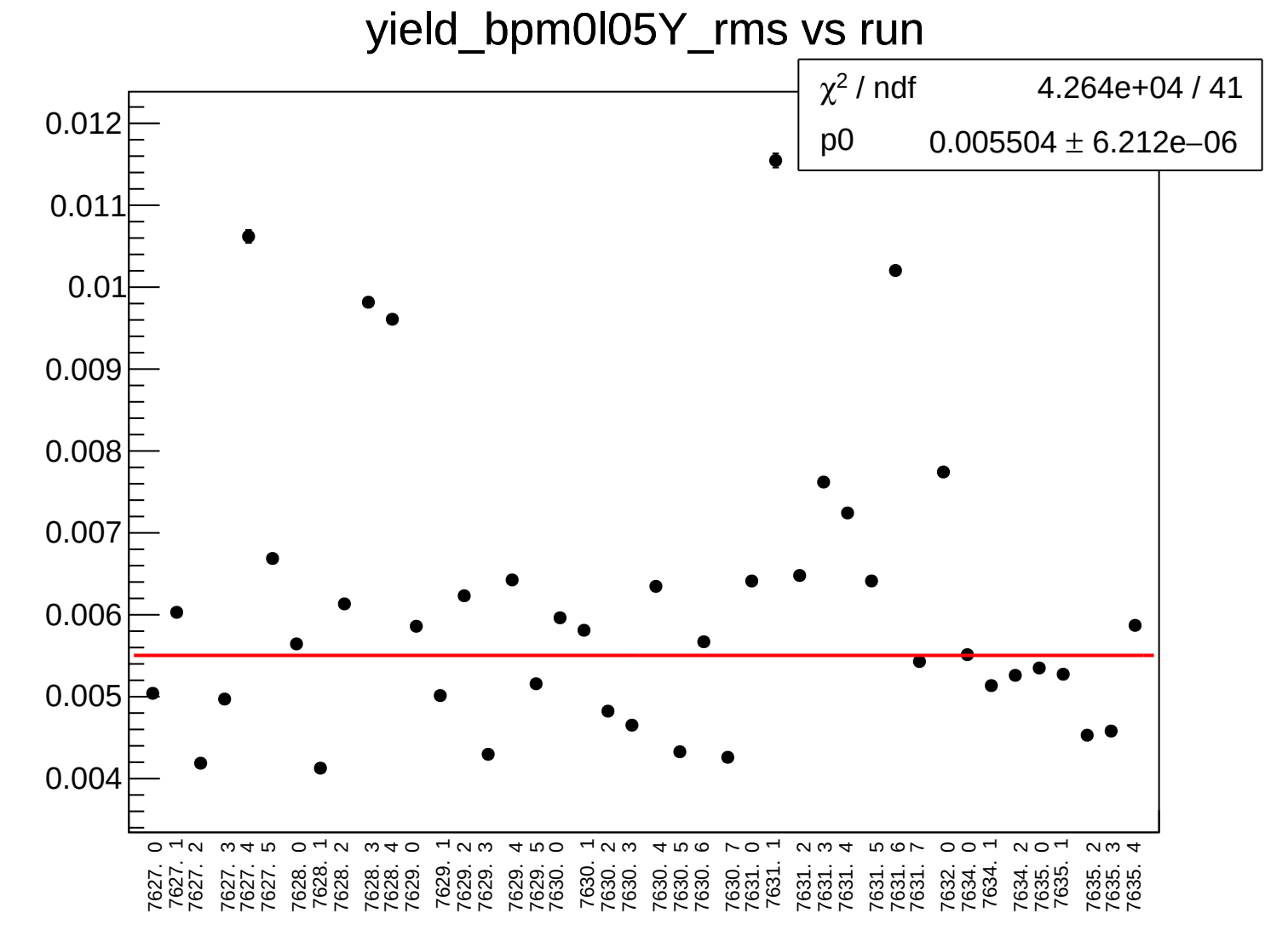

yield_bpm0l04Y_rms vs run
χ² / ndf 6.494e+04 / 41
p0 0.005149 ± 5.895e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

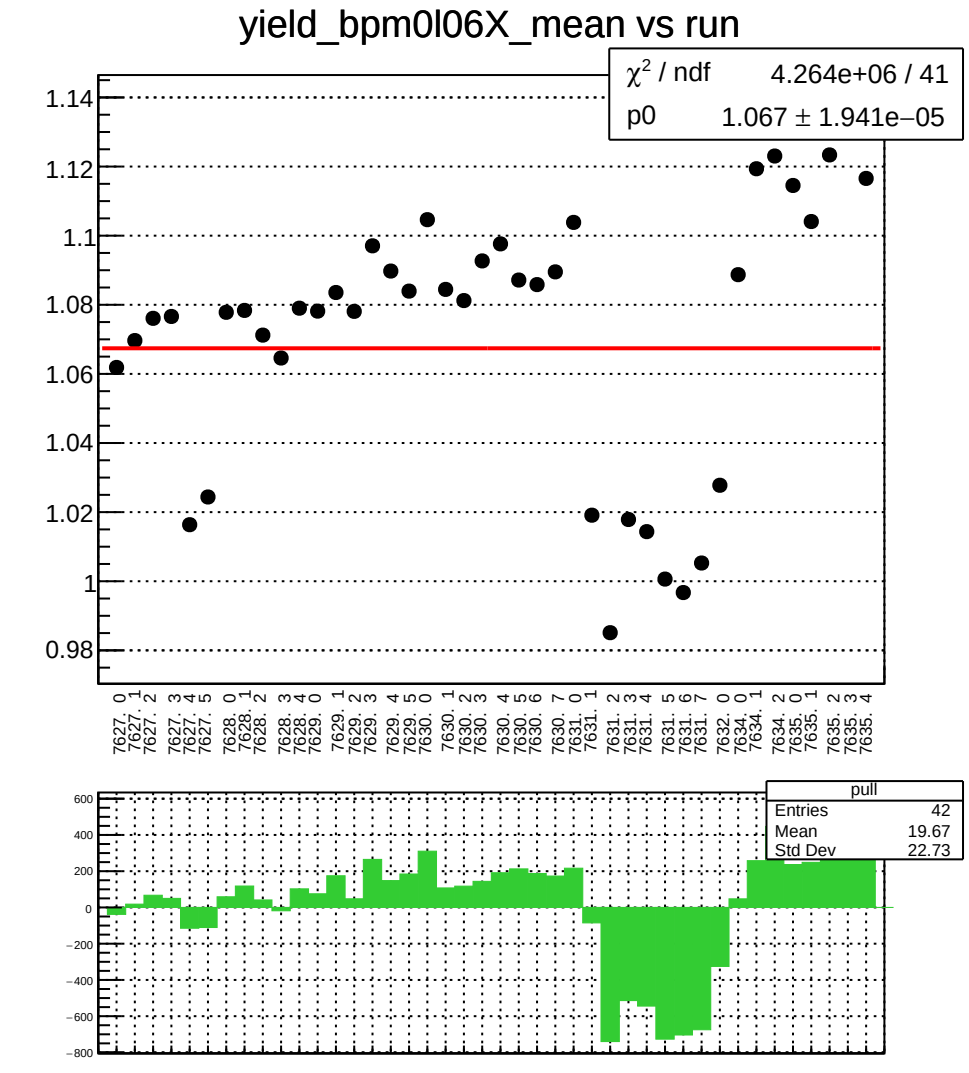

yield_bpm0l05X_mean vs run
χ² / ndf 6.199e+06 / 41
p0 0.3275 ± 5.729e−06
0.37
0.36
0.35
0.34
0.33
0.32
0.31
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 710.8
Std Dev 0
600
400
200
0
−200
−400
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

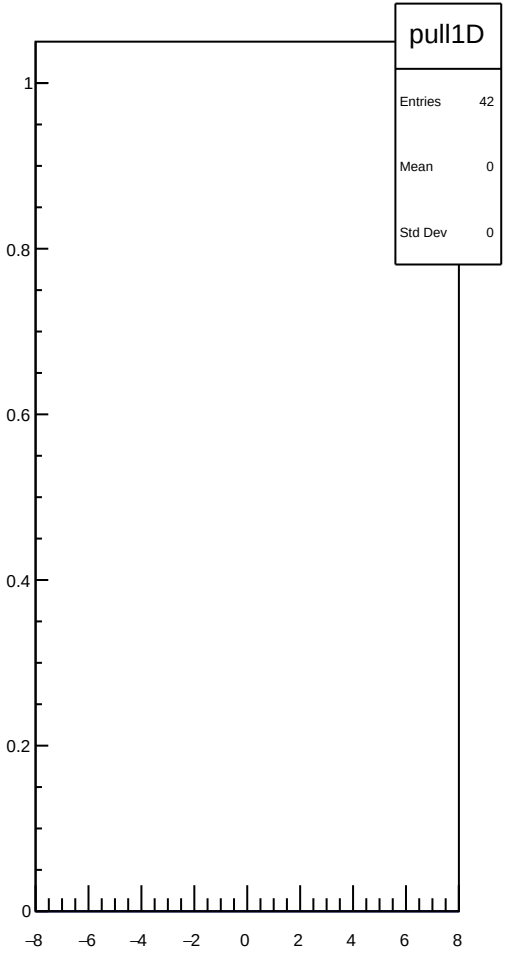

yield_bpm0l05X_rms vs run
χ² / ndf 5.454e+04 / 41
p0 0.003562 ± 4.051e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

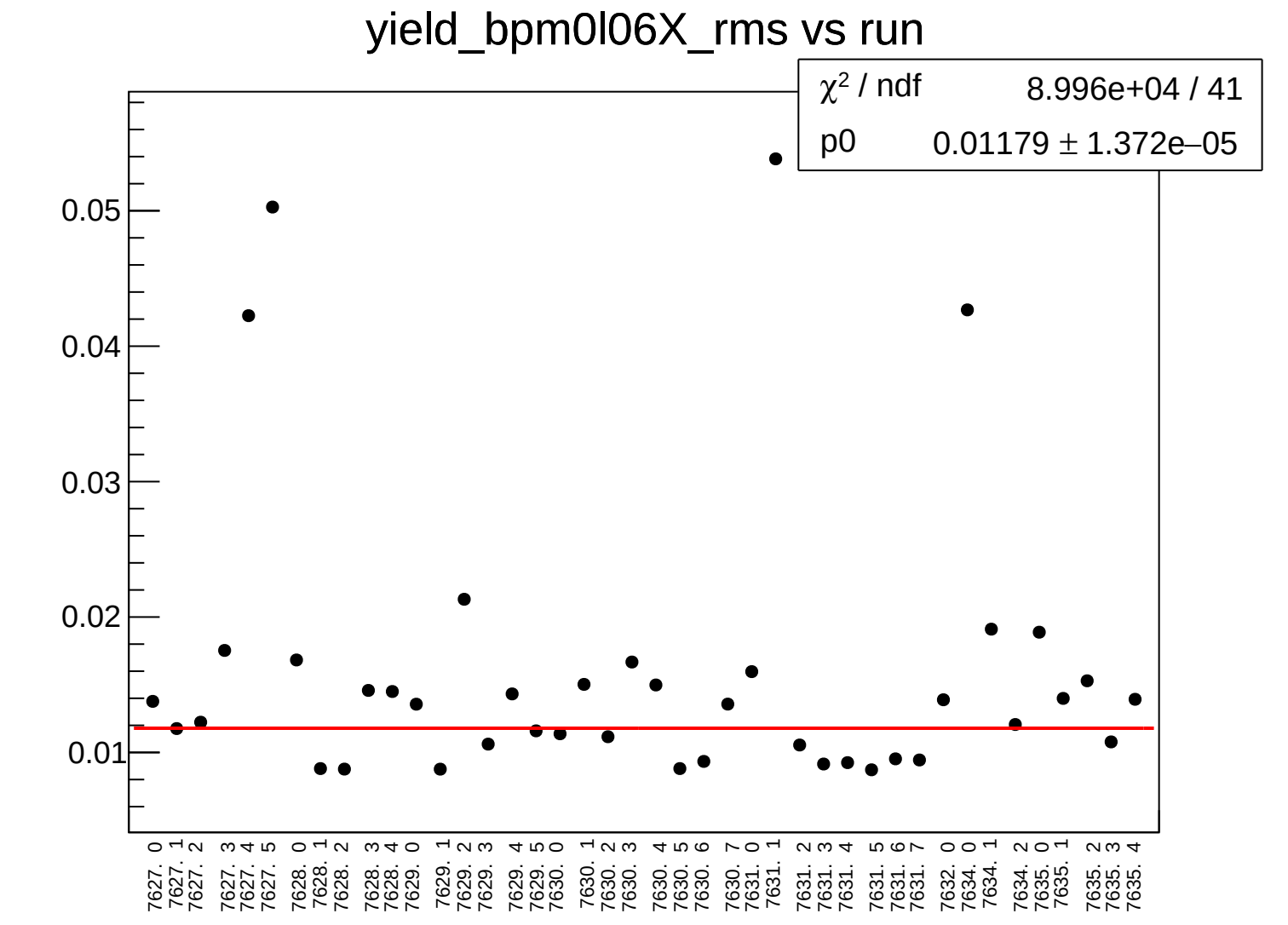

yield_bpm0l05Y_mean vs run
χ² / ndf 8.557e+05 / 41
p0 0.3742 ± 8.785e−06
0.4
0.39
0.38
0.37
0.36
0.35
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −26.14
Std Dev 0
300
200
100
0
−100
−200
−300

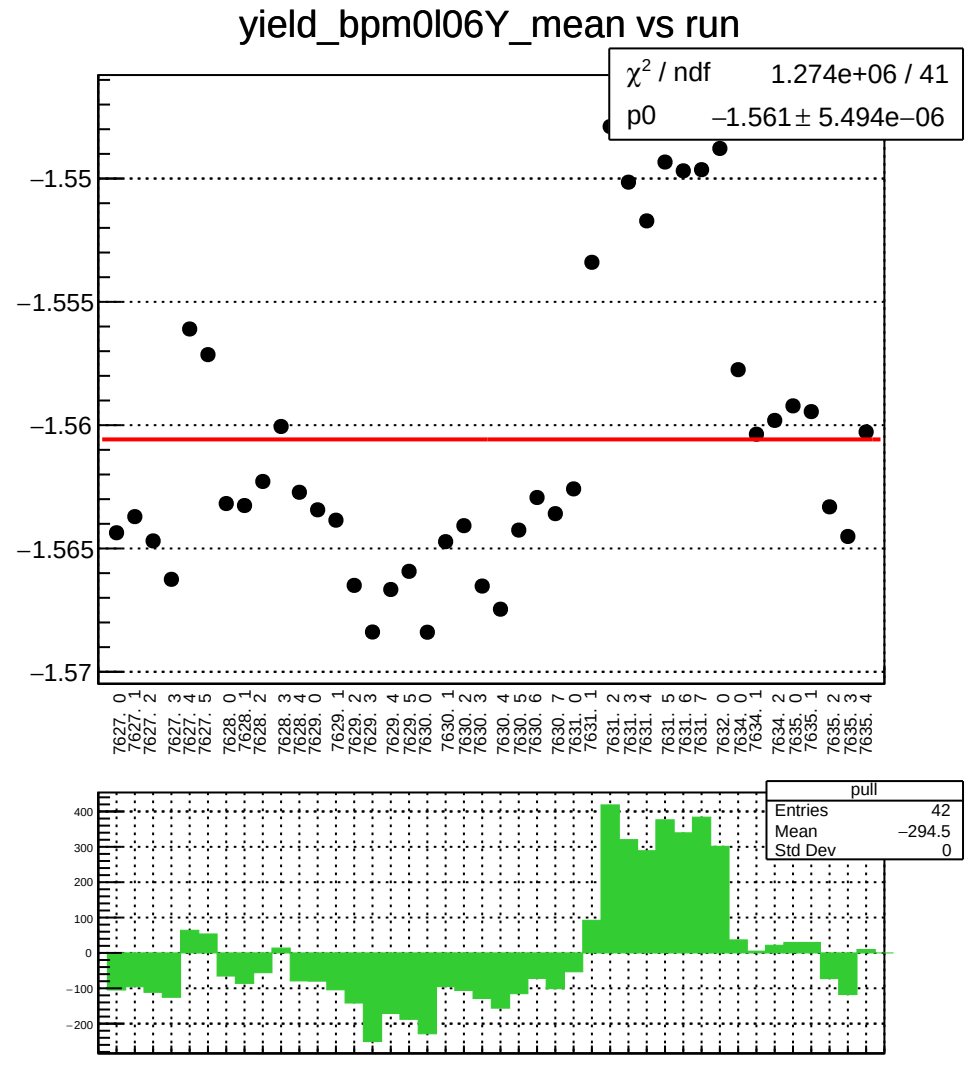

pull1D
Entries 42
Mean 4.885
Std Dev 0.00937
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

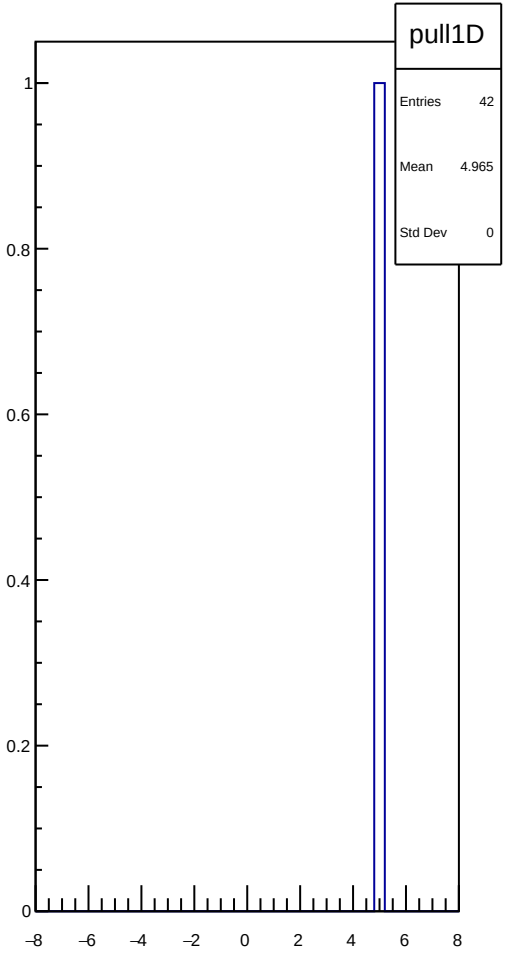

yield_bpm0l05Y_rms vs run
χ² / ndf 4.264e+04 / 41
p0 0.005504 ± 6.212e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

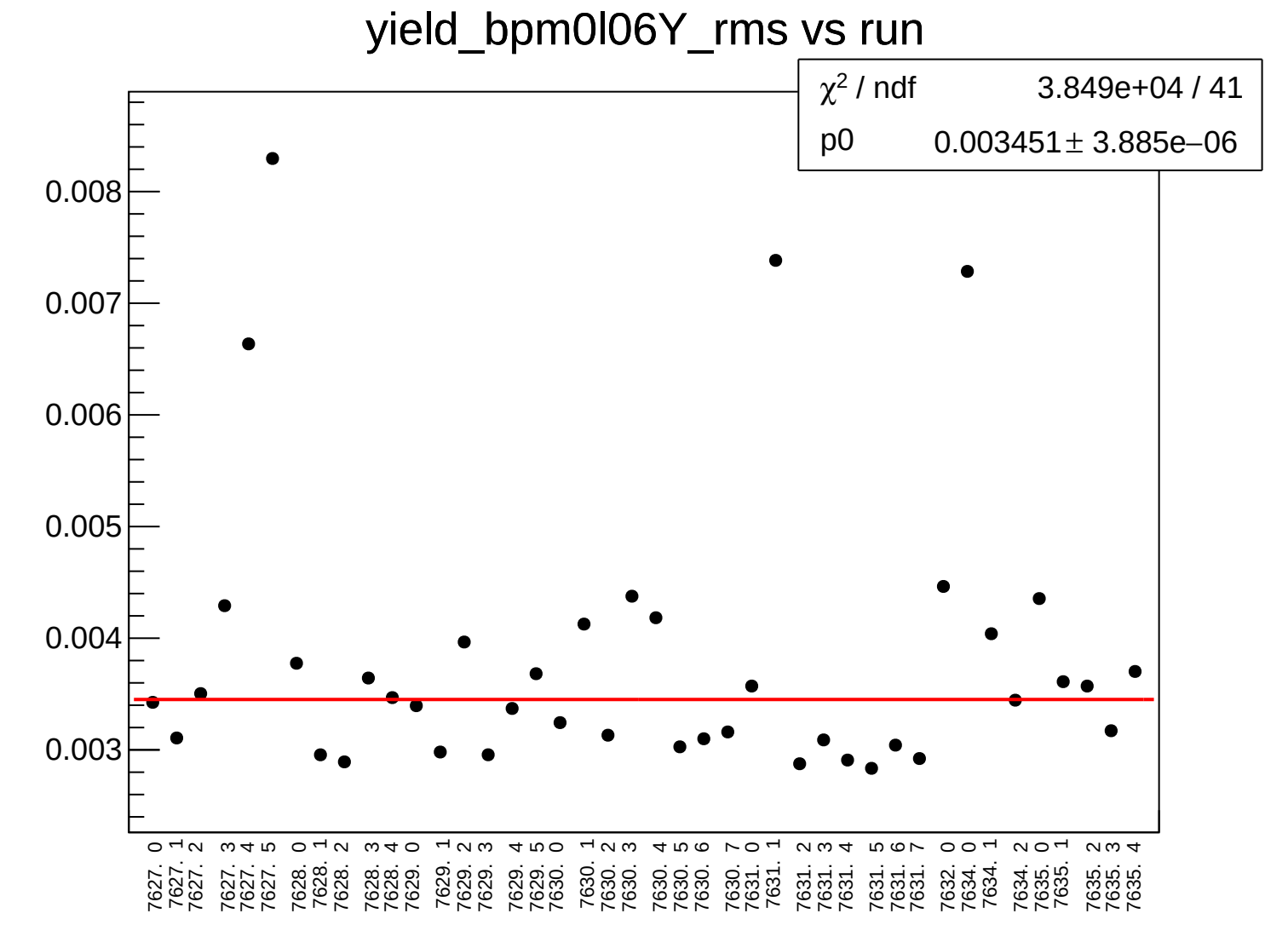

yield_bpm0l06X_mean vs run
χ² / ndf 4.264e+06 / 41
p0 1.067 ± 1.941e−05
1.14
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 19.67
Std Dev 22.73
600
400
200
0
−200
−400
−600
−800

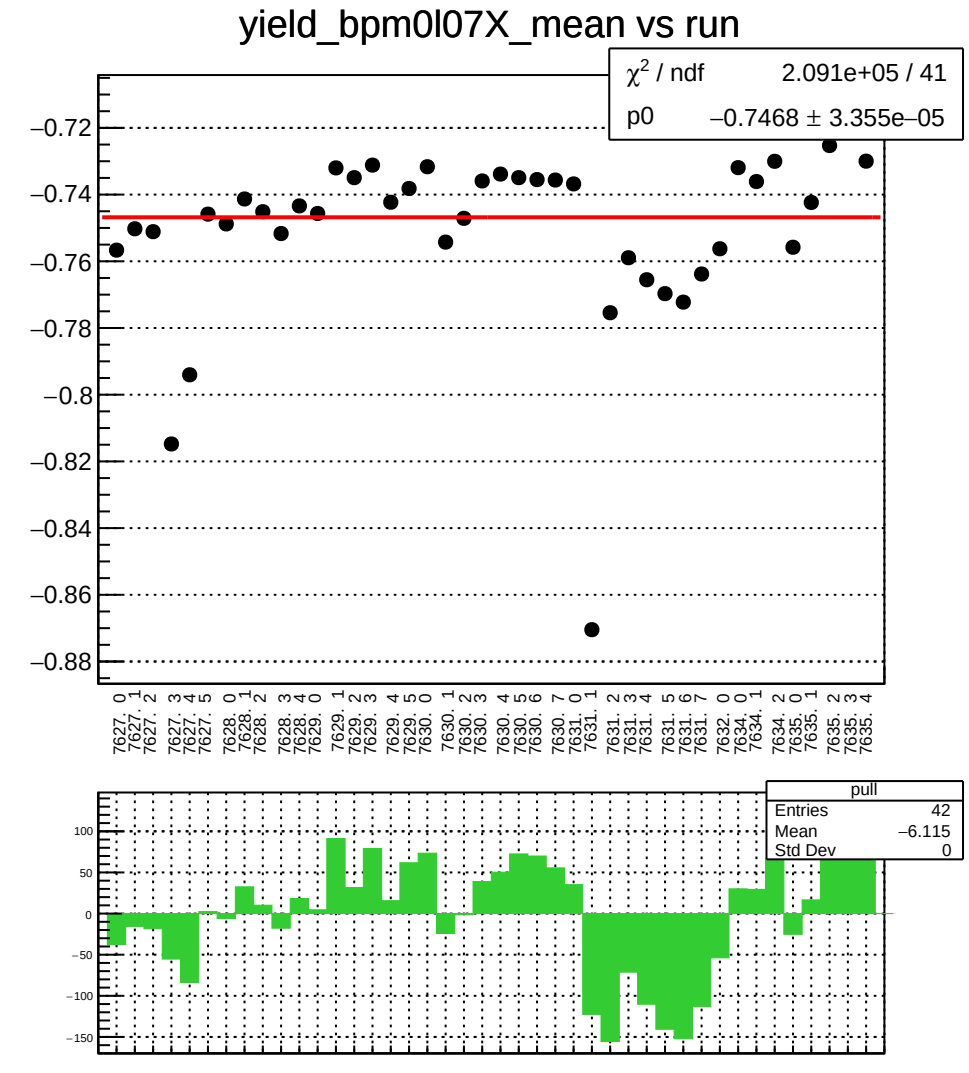

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

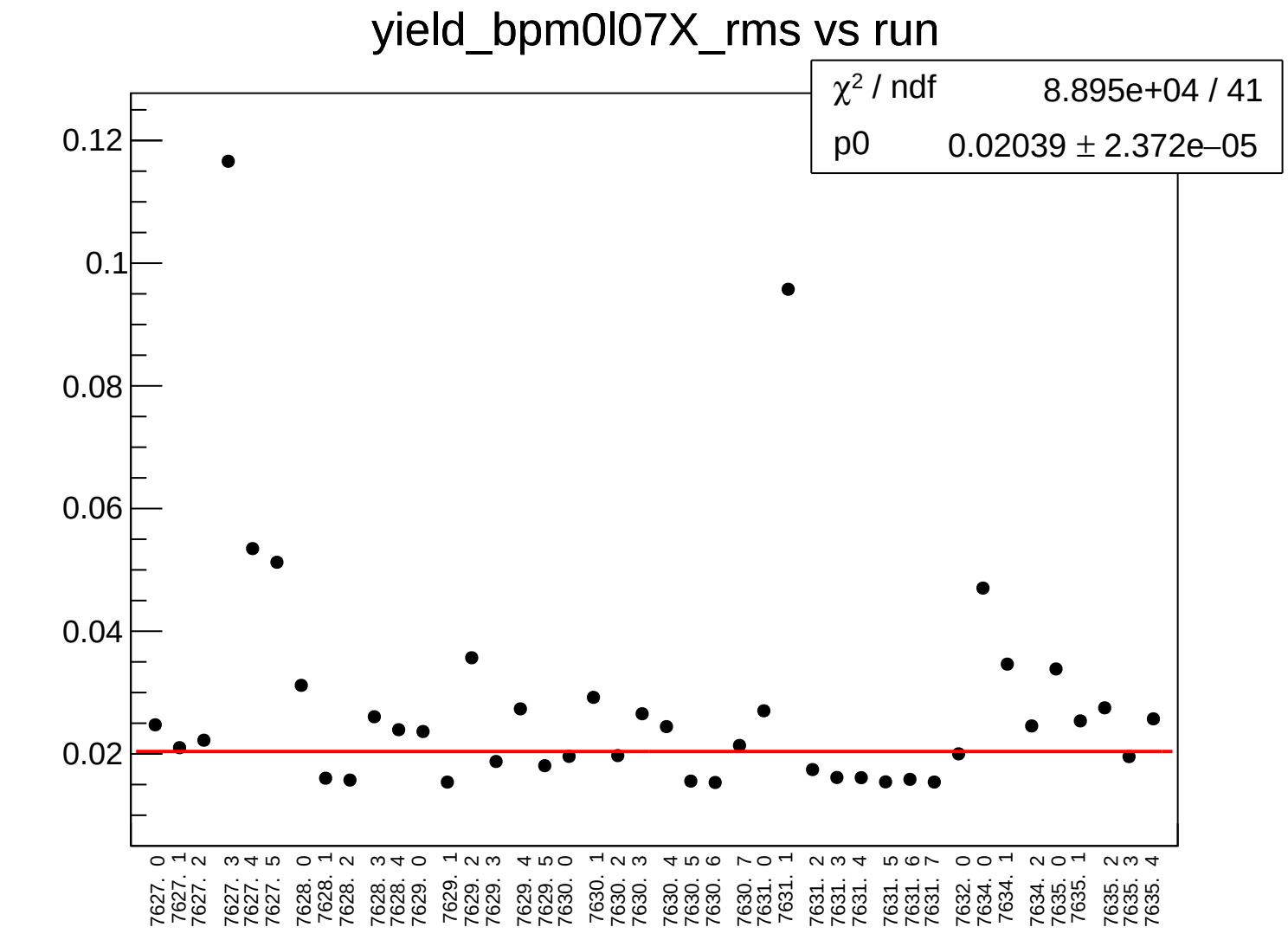

yield_bpm0l06X_rms vs run
χ² / ndf 8.996e+04 / 41
p0 0.01179 ± 1.372e–05
0.05
0.04
0.03
0.02
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

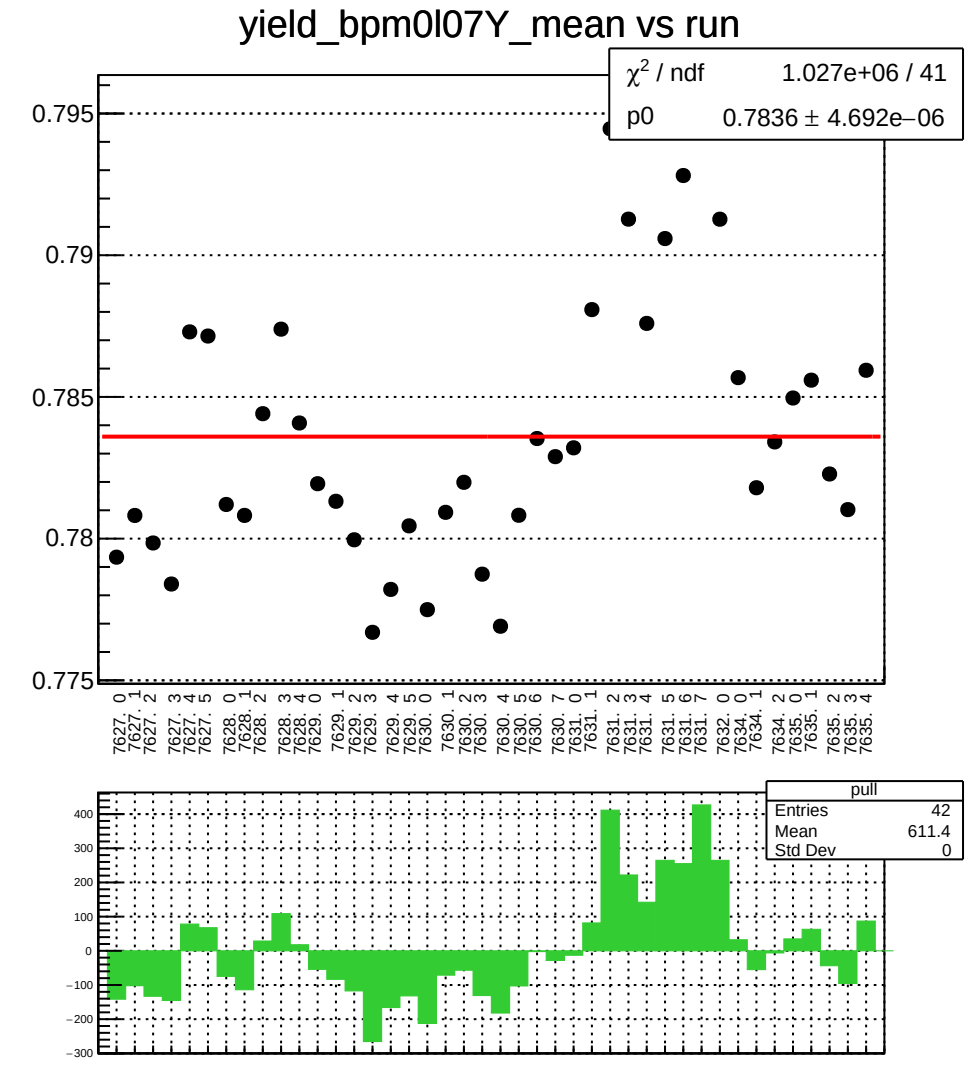

yield_bpm0l06Y_mean vs run
χ² / ndf 1.274e+06 / 41
p0 −1.561 ± 5.494e−06
−1.55
−1.555
−1.56
−1.565
−1.57
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −294.5
Std Dev 0
400
300
200
100
0
−100
−200

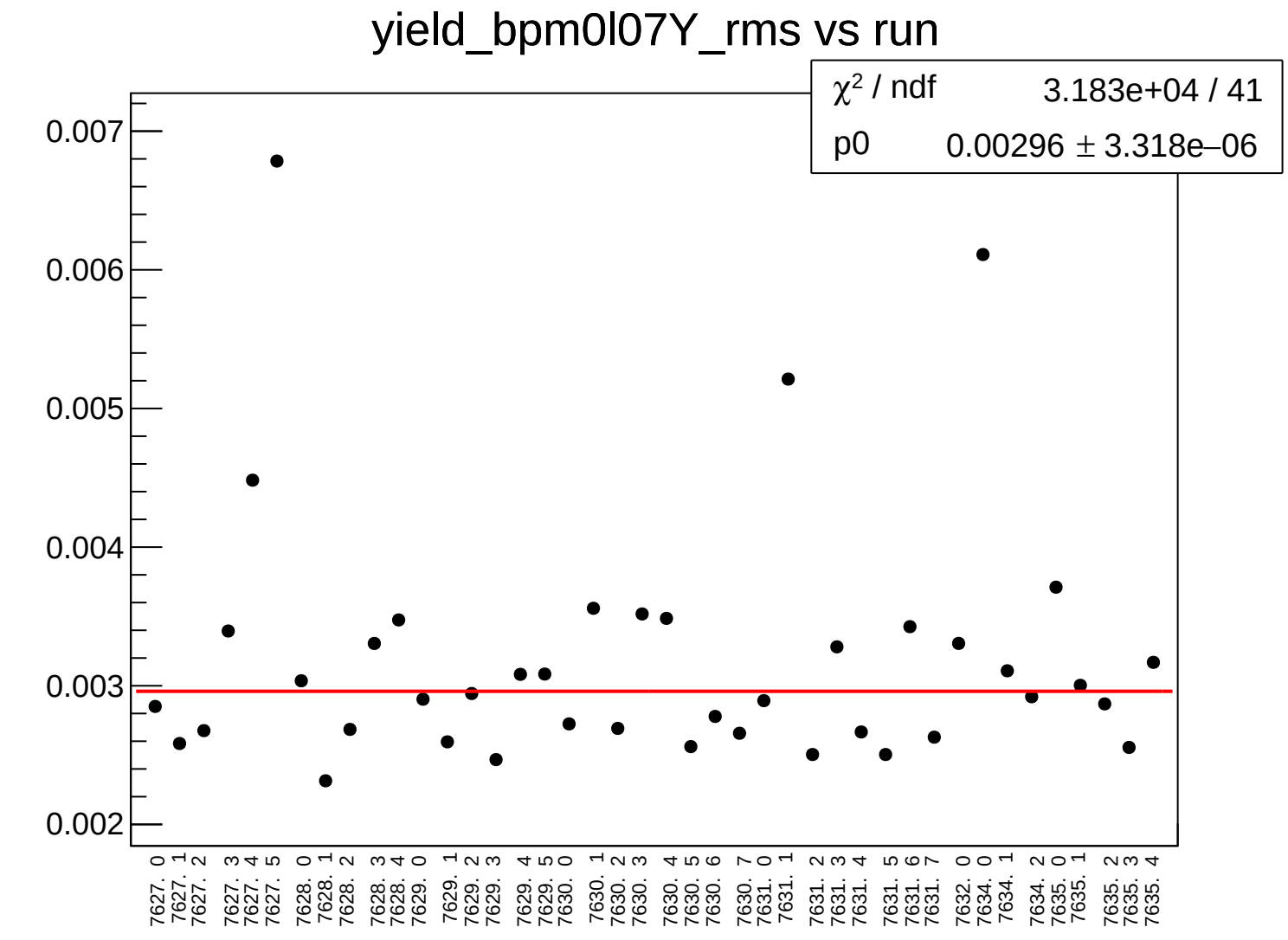

pull1D
Entries 42
Mean 4.965
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

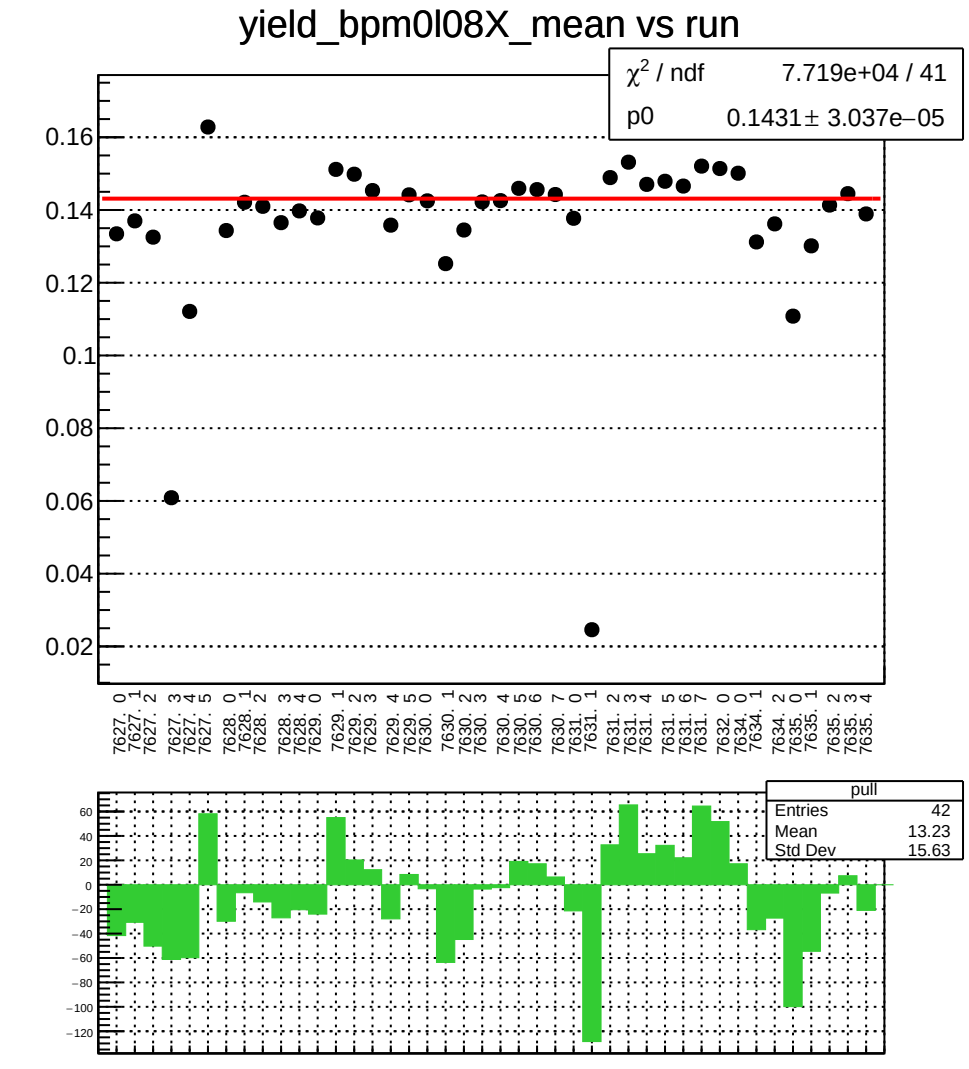

yield_bpm0l06Y_rms vs run
χ² / ndf 3.849e+04 / 41
p0 0.003451 ± 3.885e−06
0.008
0.007
0.006
0.005
0.004
0.003
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

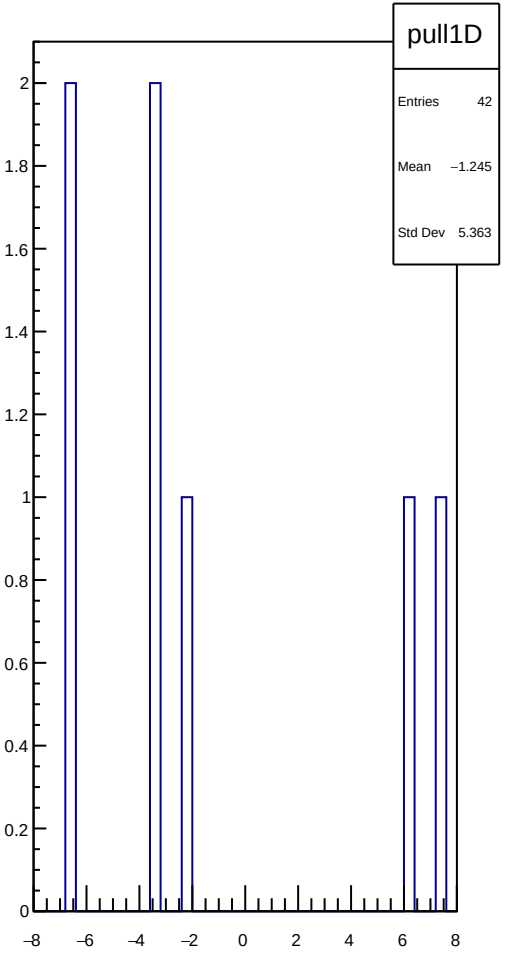

yield_bpm0l07X_mean vs run
χ^2 / ndf 2.091e+05 / 41
p0 −0.7468 ± 3.355e−05
−0.72
−0.74
−0.76
−0.78
−0.8
−0.82
−0.84
−0.86
−0.88
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −6.115
Std Dev 0
100
50
0
−50
−100
−150
pull1D
Entries 42
Mean −0.1442
Std Dev 4.047
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

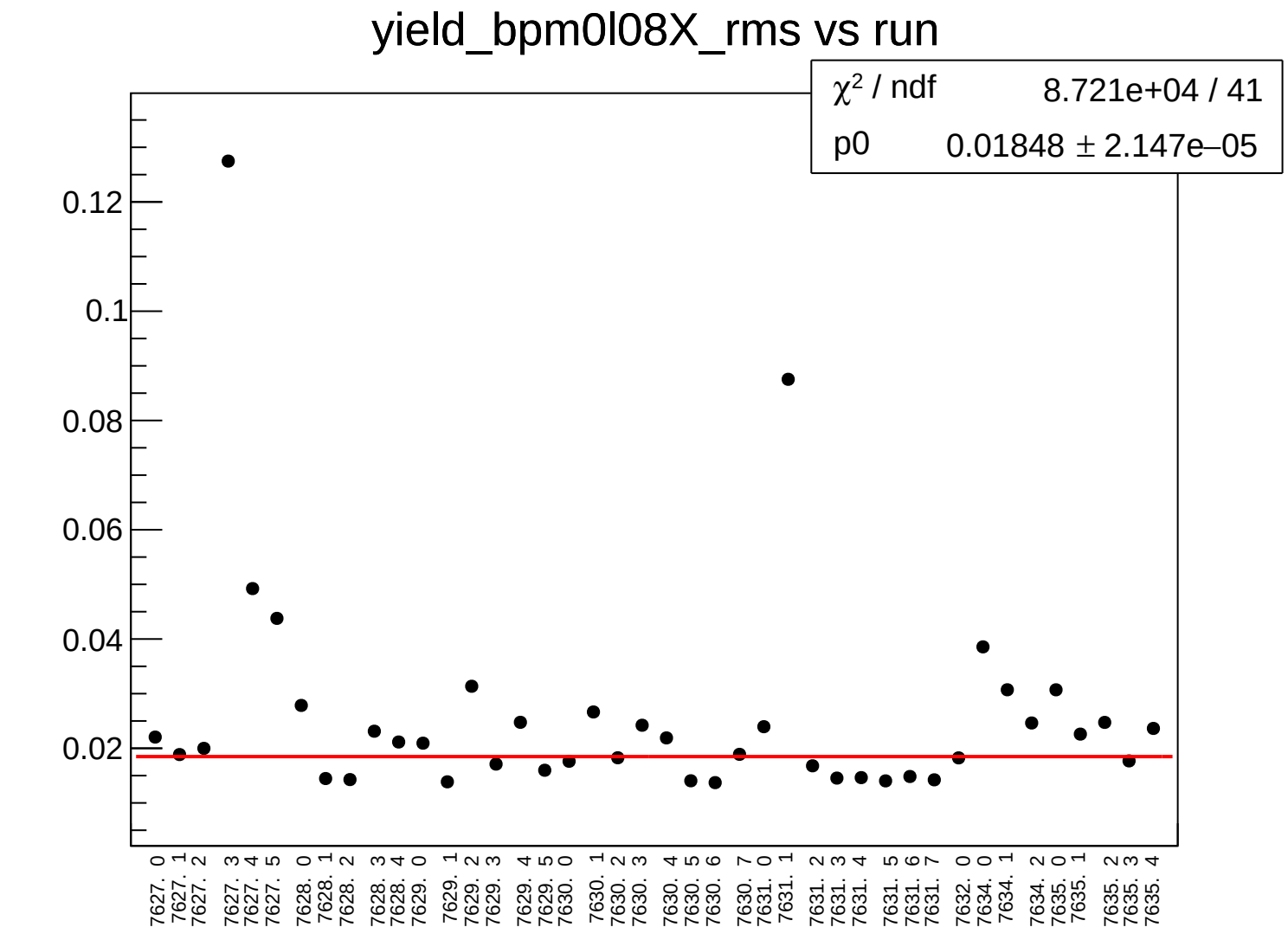

yield_bpm0l07X_rms vs run
χ² / ndf 8.895e+04 / 41
p0 0.02039 ± 2.372e–05
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


yield_bpm0l07Y_mean vs run
χ² / ndf 1.027e+06 / 41
p0 0.7836 ± 4.692e−06
0.795
0.79
0.785
0.78
0.775
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 611.4
Std Dev 0
400
300
200
100
0
−100
−200
−300
pull1D
Entries 42
Mean −4.23
Std Dev 1.961
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 3.183e+04 / 41
p0 0.00296 ± 3.318e–06
0.007
0.006
0.005
0.004
0.003
0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


yield_bpm0l08X_mean vs run
χ² / ndf 7.719e+04 / 41
p0 0.1431 ± 3.037e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 13.23
Std Dev 15.63
60
40
20
0
−20
−40
−60
−80
−100
−120


pull1D
Entries 42
Mean −1.245
Std Dev 5.363
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 8.721e+04 / 41
p0 0.01848 ± 2.147e–05
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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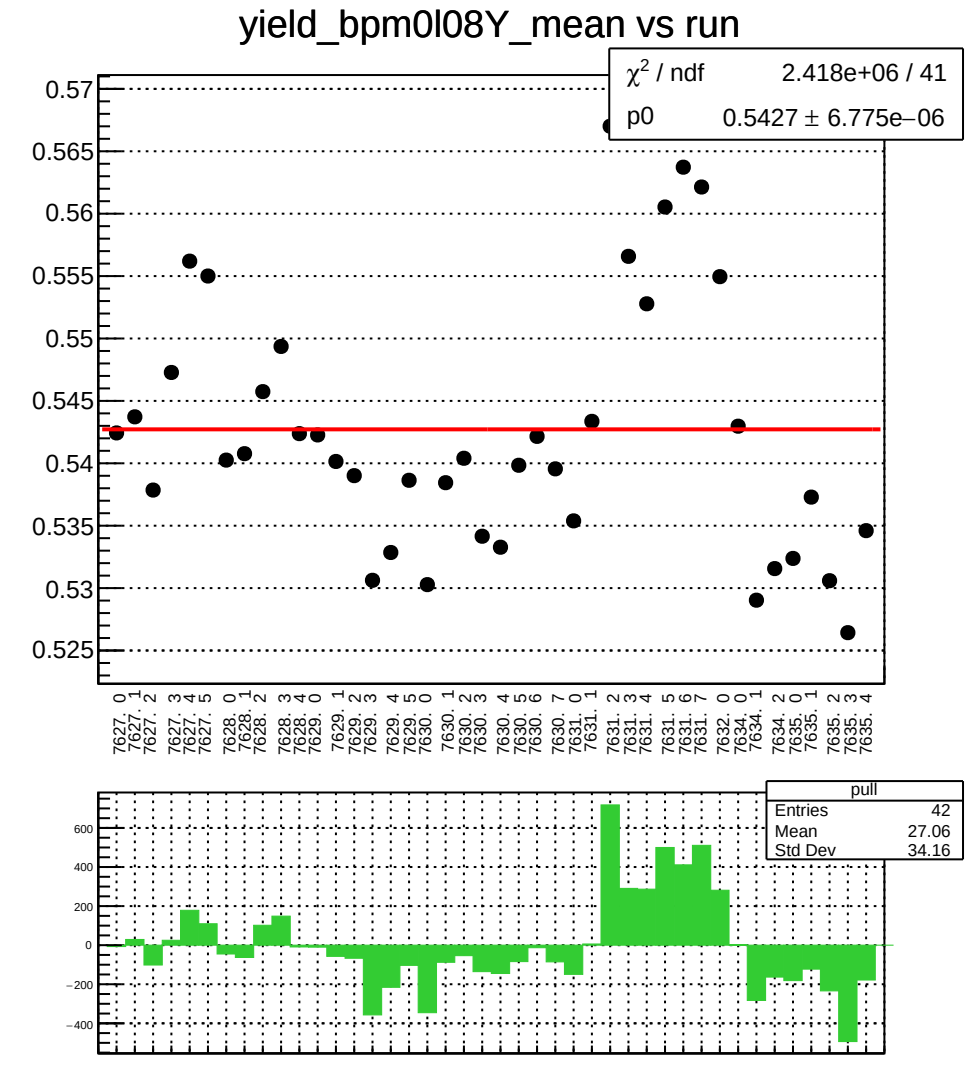
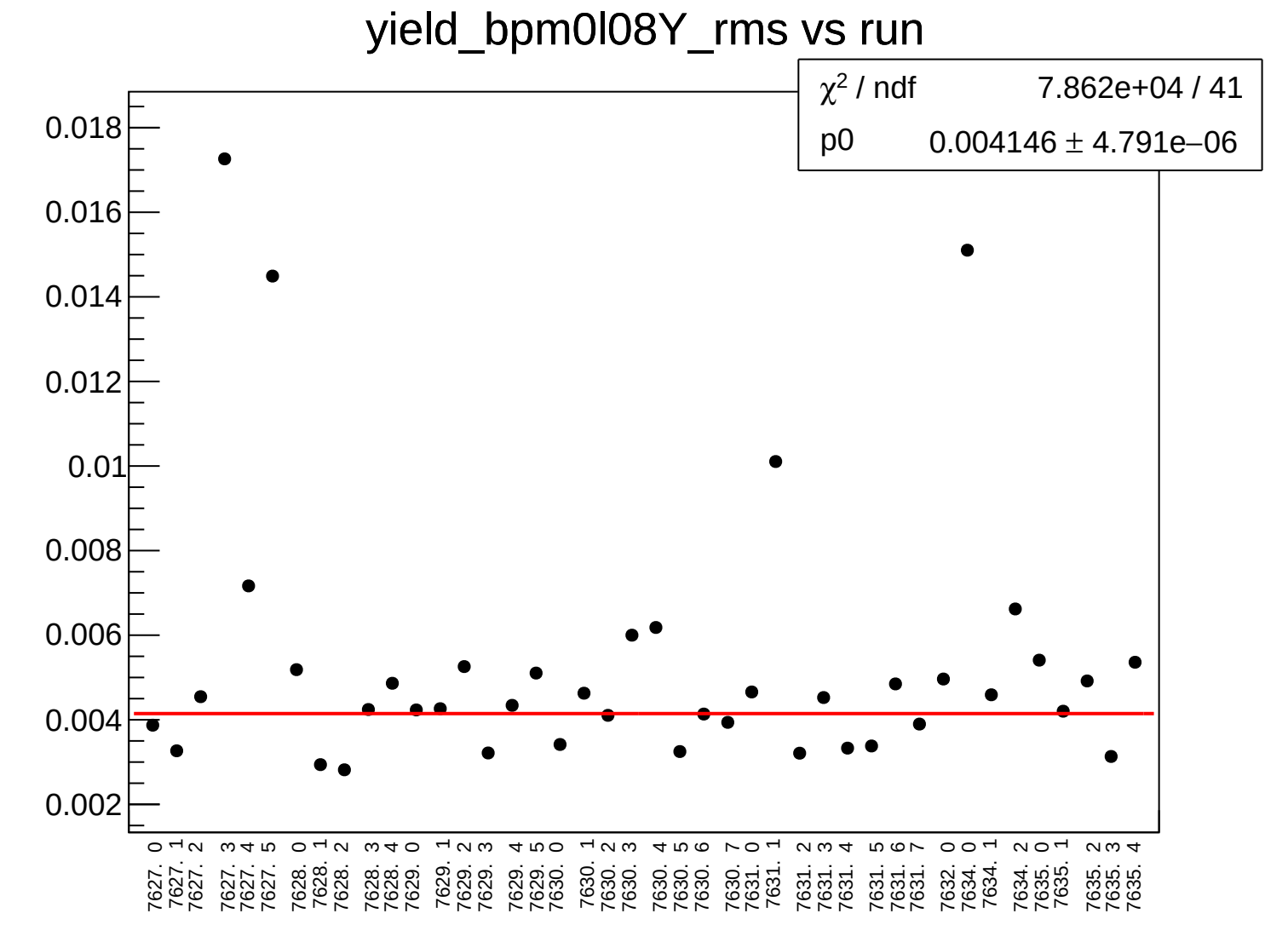
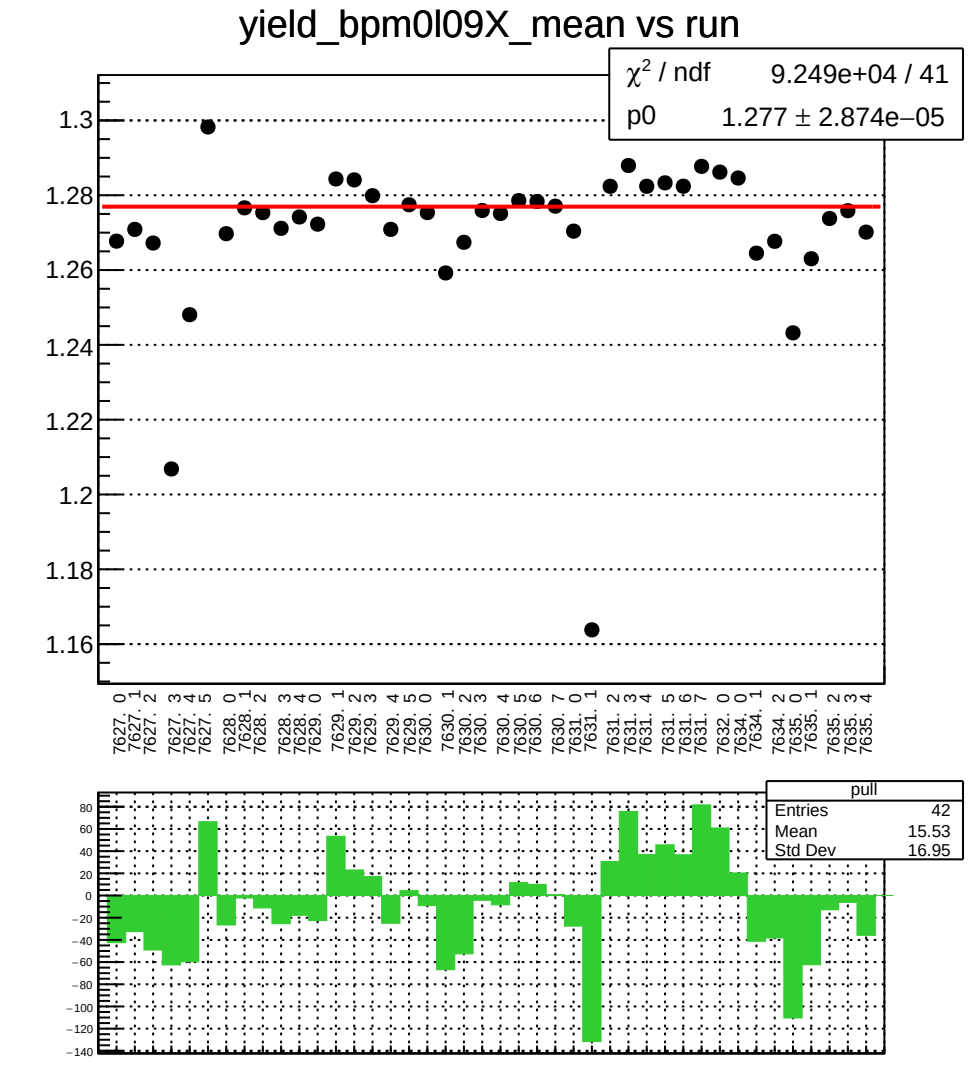
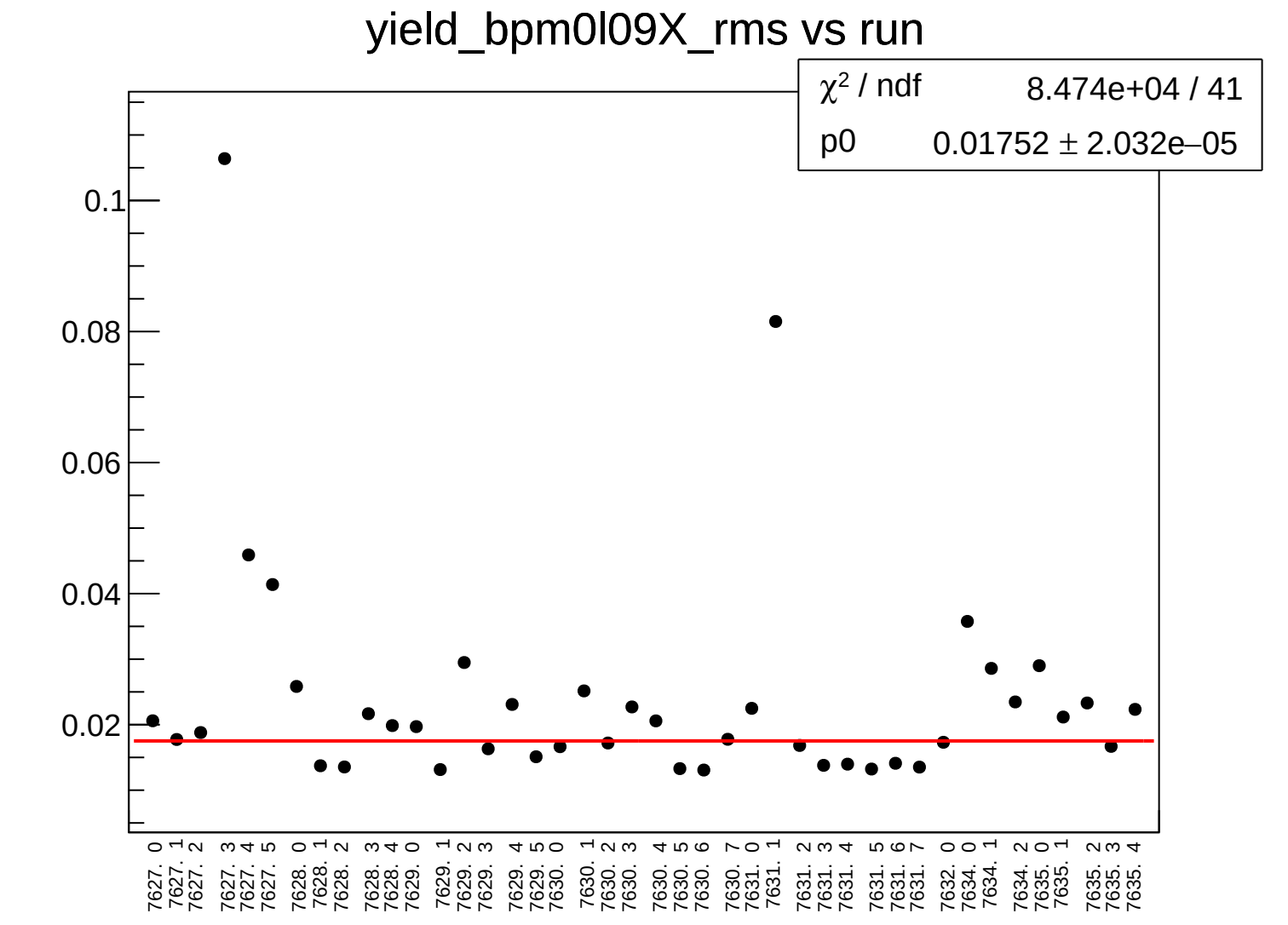
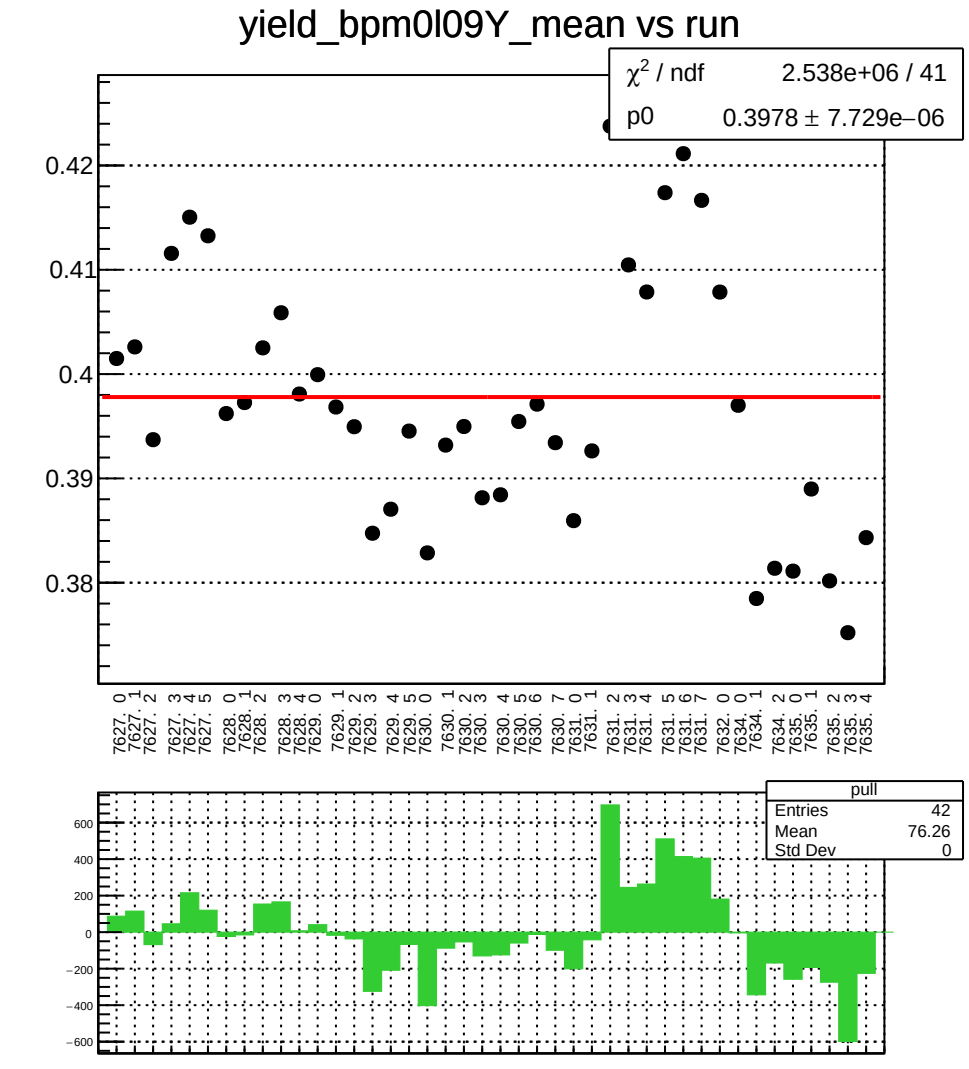
7635. 3
7635. 4

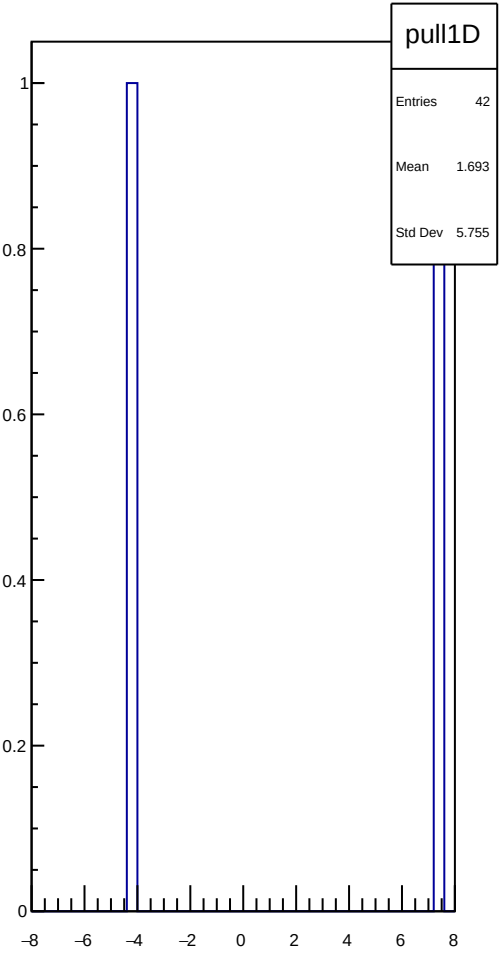

yield_bpm0l08Y_mean vs run
χ² / ndf 2.418e+06 / 41
p0 0.5427 ± 6.775e−06
0.57
0.565
0.56
0.555
0.55
0.545
0.54
0.535
0.53
0.525
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 27.06
Std Dev 34.16
600
400
200
0
−200
−400
pull1D
Entries 42
Mean 0.1956
Std Dev 5.407
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

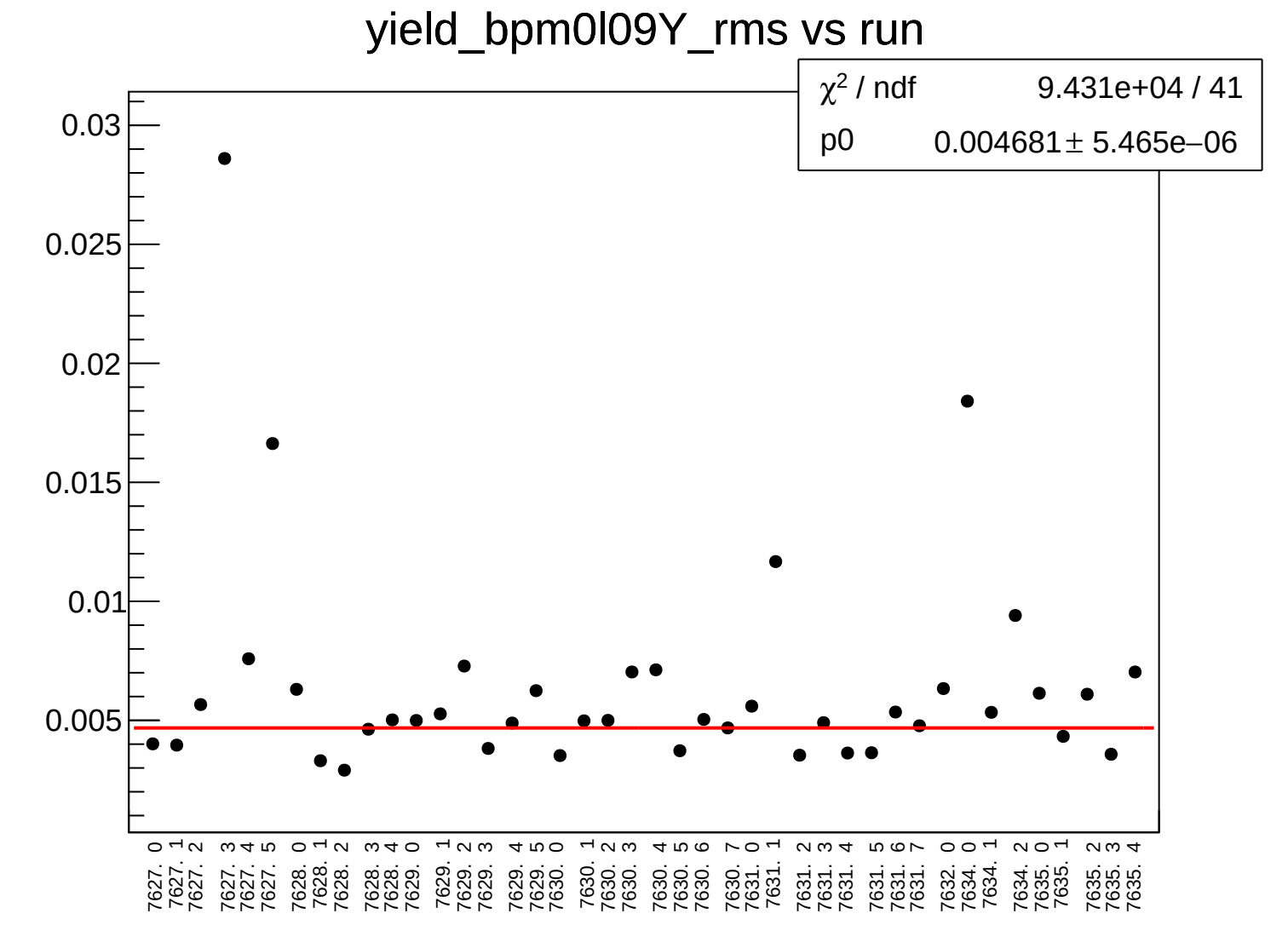

yield_bpm0l08Y_rms vs run
χ² / ndf 7.862e+04 / 41
p0 0.004146 ± 4.791e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

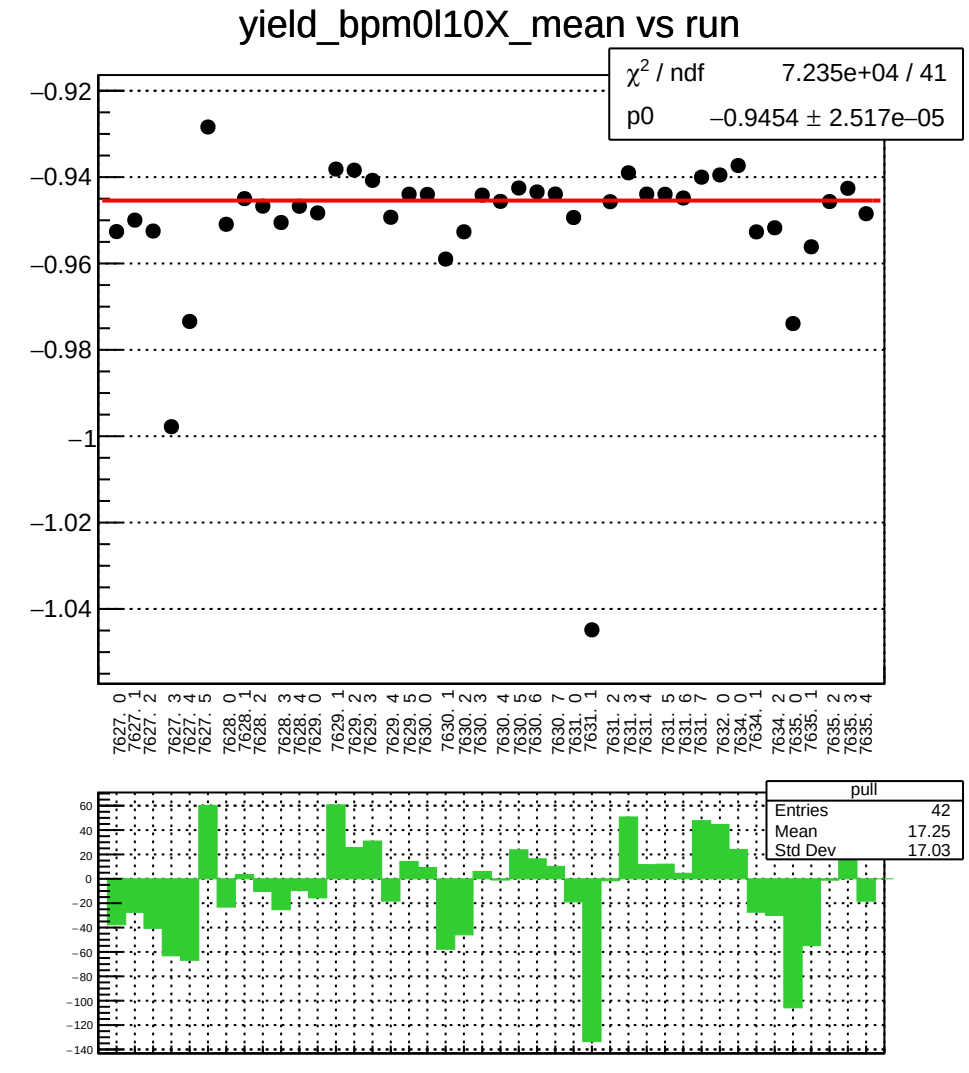

yield_bpm0l09X_mean vs run
χ² / ndf 9.249e+04 / 41
p0 1.277 ± 2.874e−05
1.3
1.28
1.26
1.24
1.22
1.2
1.18
1.16
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.53
Std Dev 16.95
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
pull1D
Entries 42
Mean −1.504
Std Dev 3.708
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

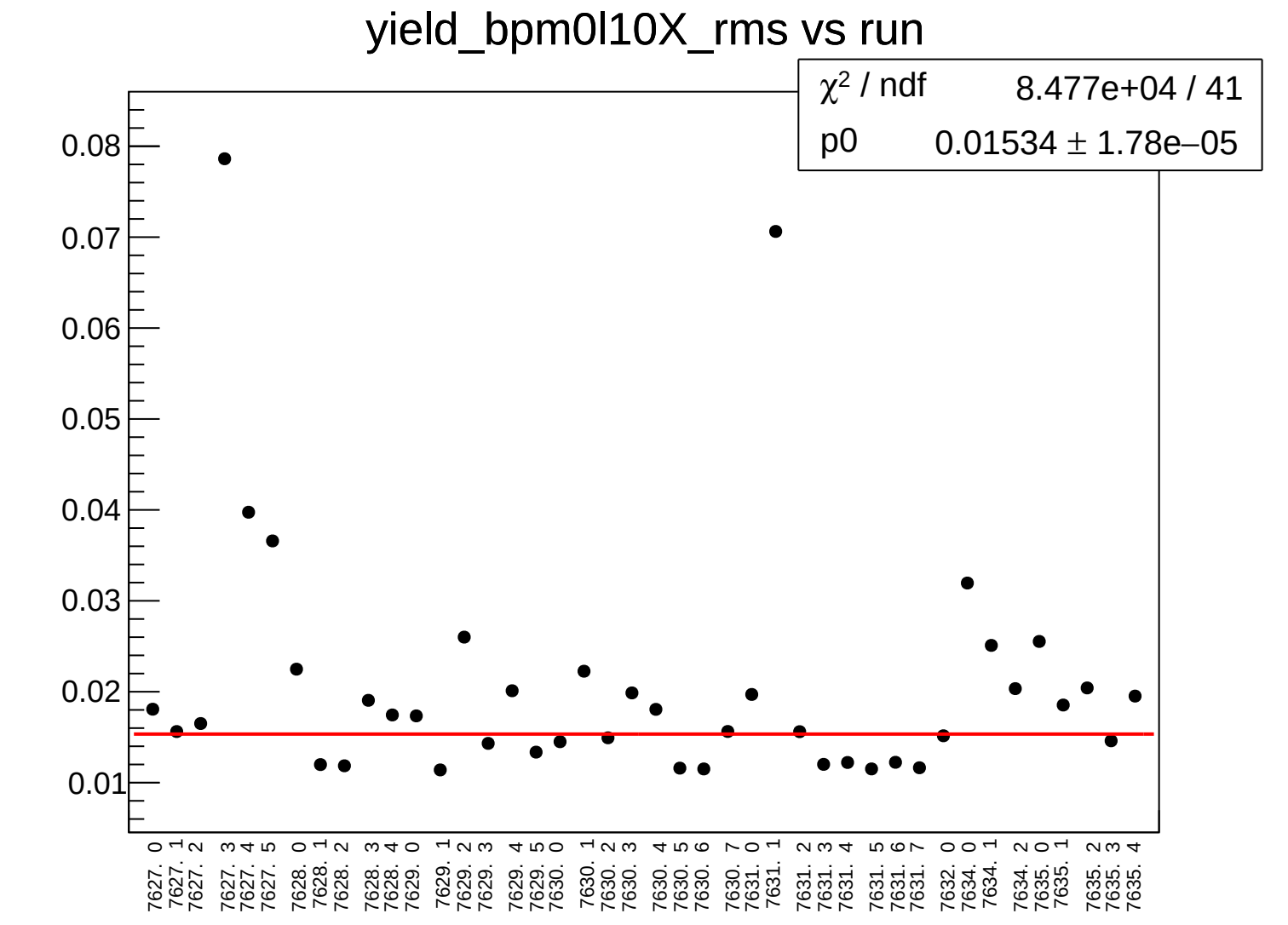

yield_bpm0l09X_rms vs run
χ² / ndf 8.474e+04 / 41
p0 0.01752 ± 2.032e–05
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

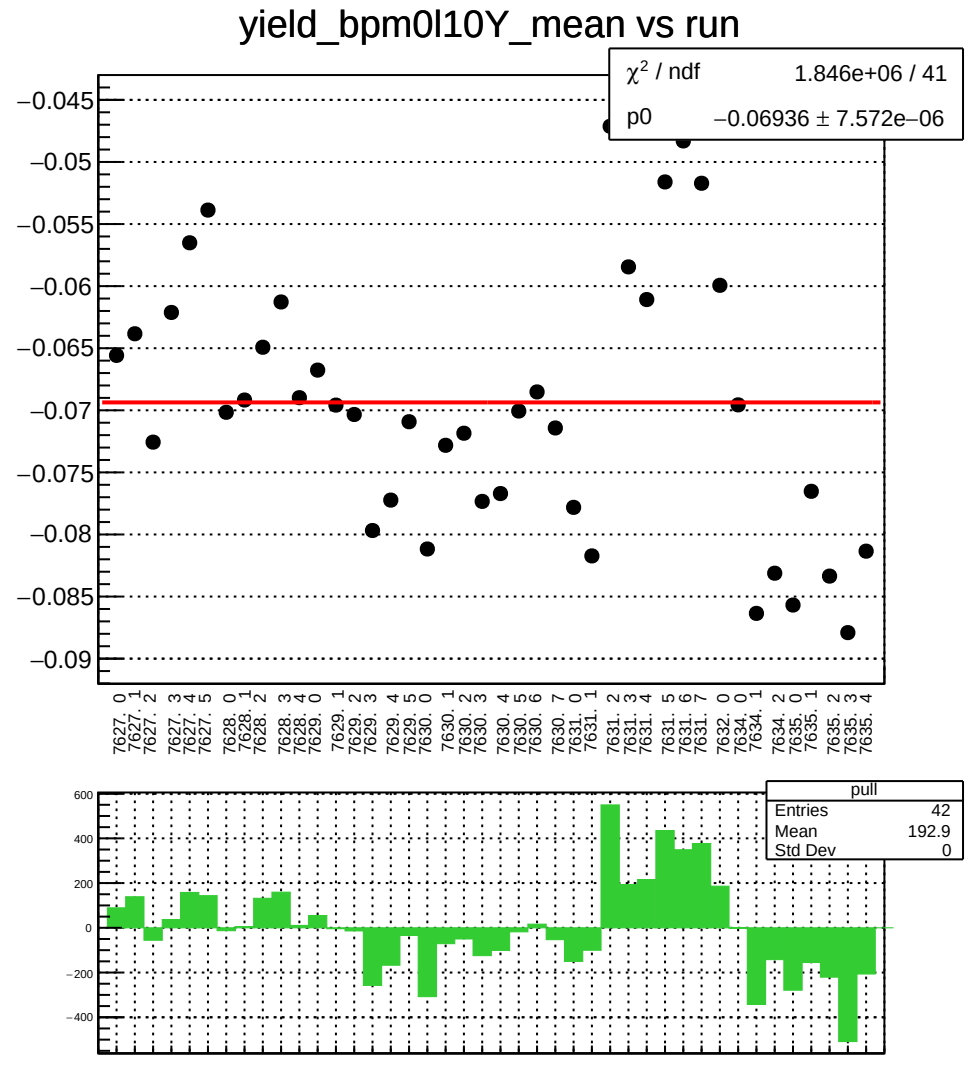

yield_bpm0l09Y_mean vs run
χ² / ndf 2.538e+06 / 41
p0 0.3978 ± 7.729e−06
0.42
0.41
0.4
0.39
0.38
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 76.26
Std Dev 0
600
400
200
0
−200
−400
−600

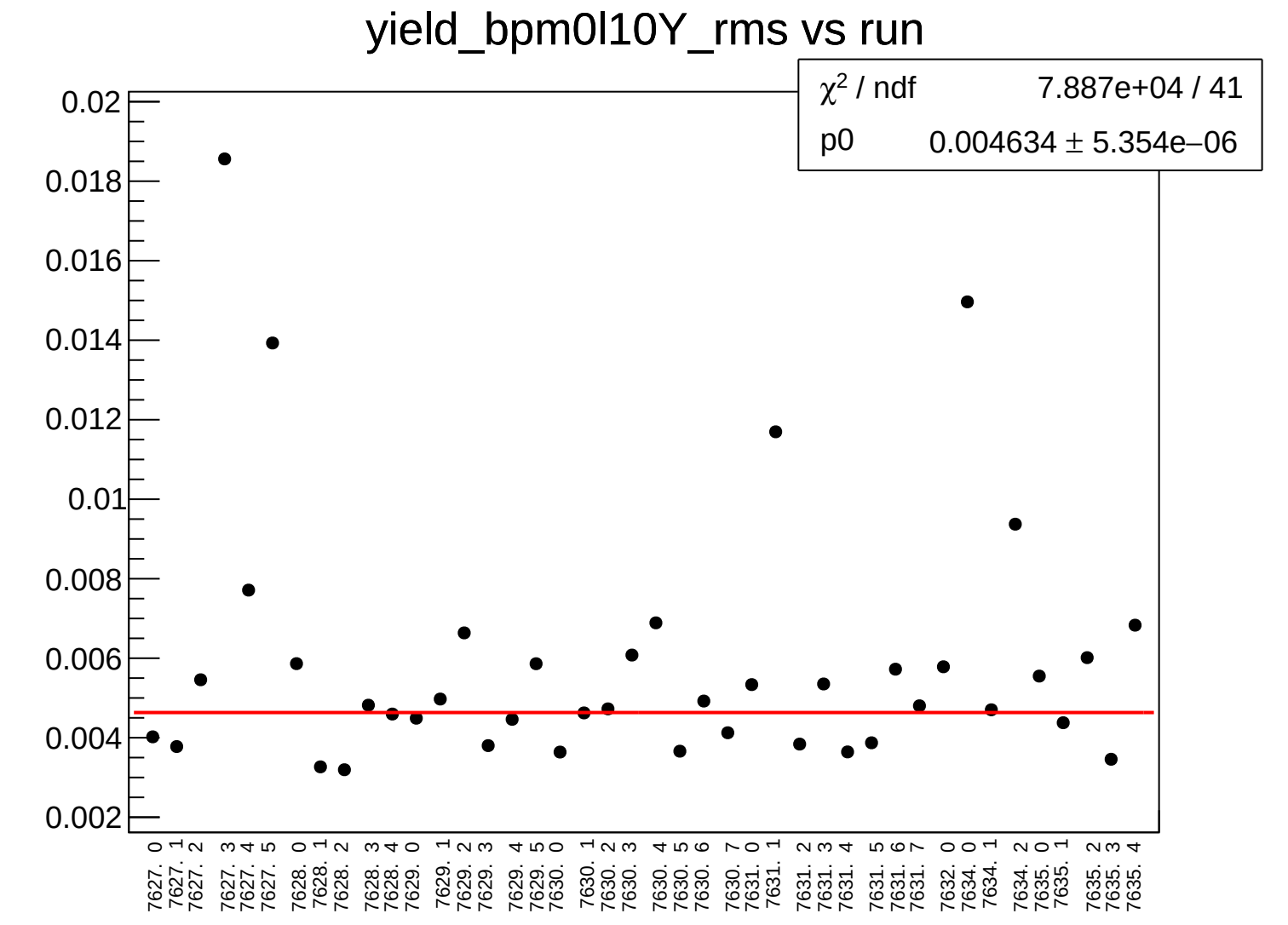

pull1D
Entries 42
Mean 1.693
Std Dev 5.755
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

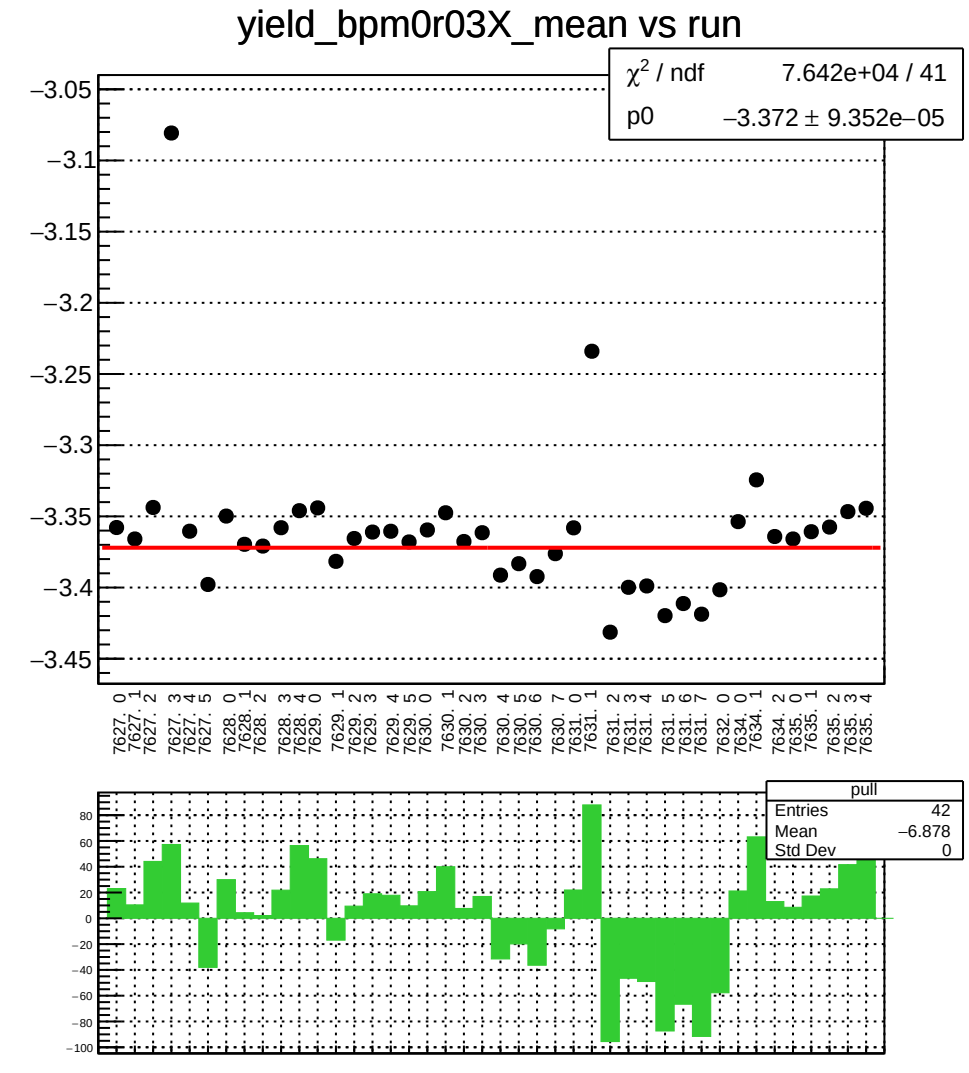

yield_bpm0l09Y_rms vs run
χ² / ndf 9.431e+04 / 41
p0 0.004681 ± 5.465e−06
0.03
0.025
0.02
0.015
0.01
0.005
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

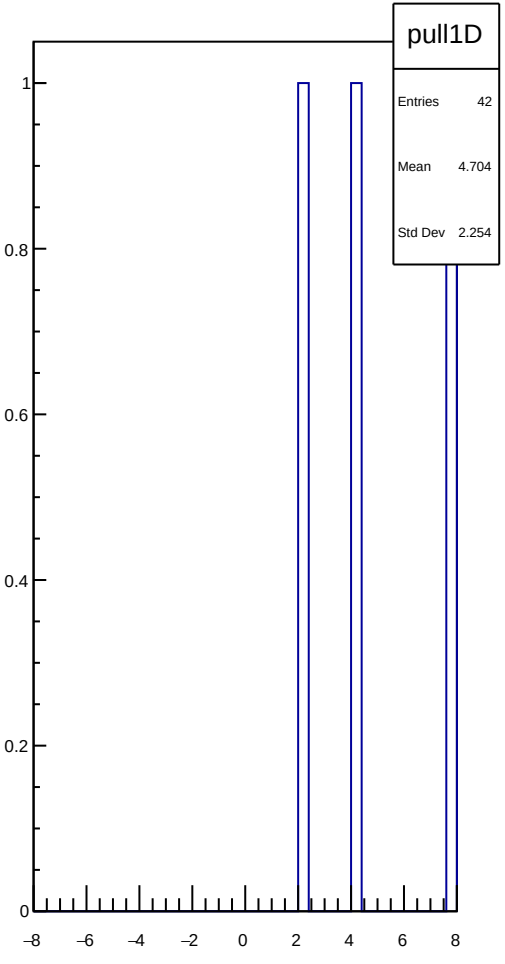

yield_bpm0l10X_mean vs run
χ² / ndf 7.235e+04 / 41
p0 −0.9454 ± 2.517e−05
−0.92
−0.94
−0.96
−0.98
−1
−1.02
−1.04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.25
Std Dev 17.03
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
pull1D
Entries 42
Mean 1.732
Std Dev 3.062
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

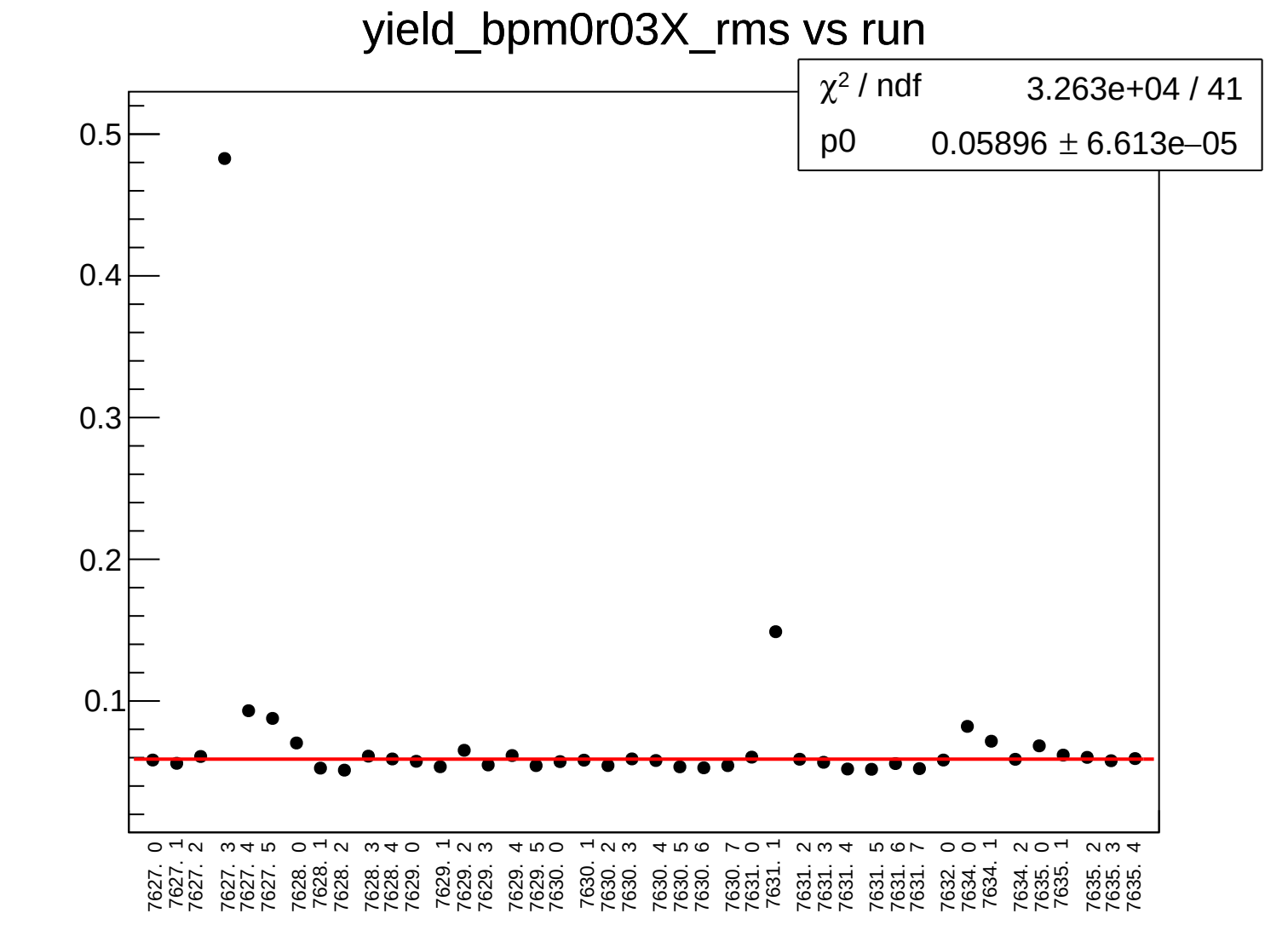

yield_bpm0l10X_rms vs run
χ² / ndf 8.477e+04 / 41
p0 0.01534 ± 1.78e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

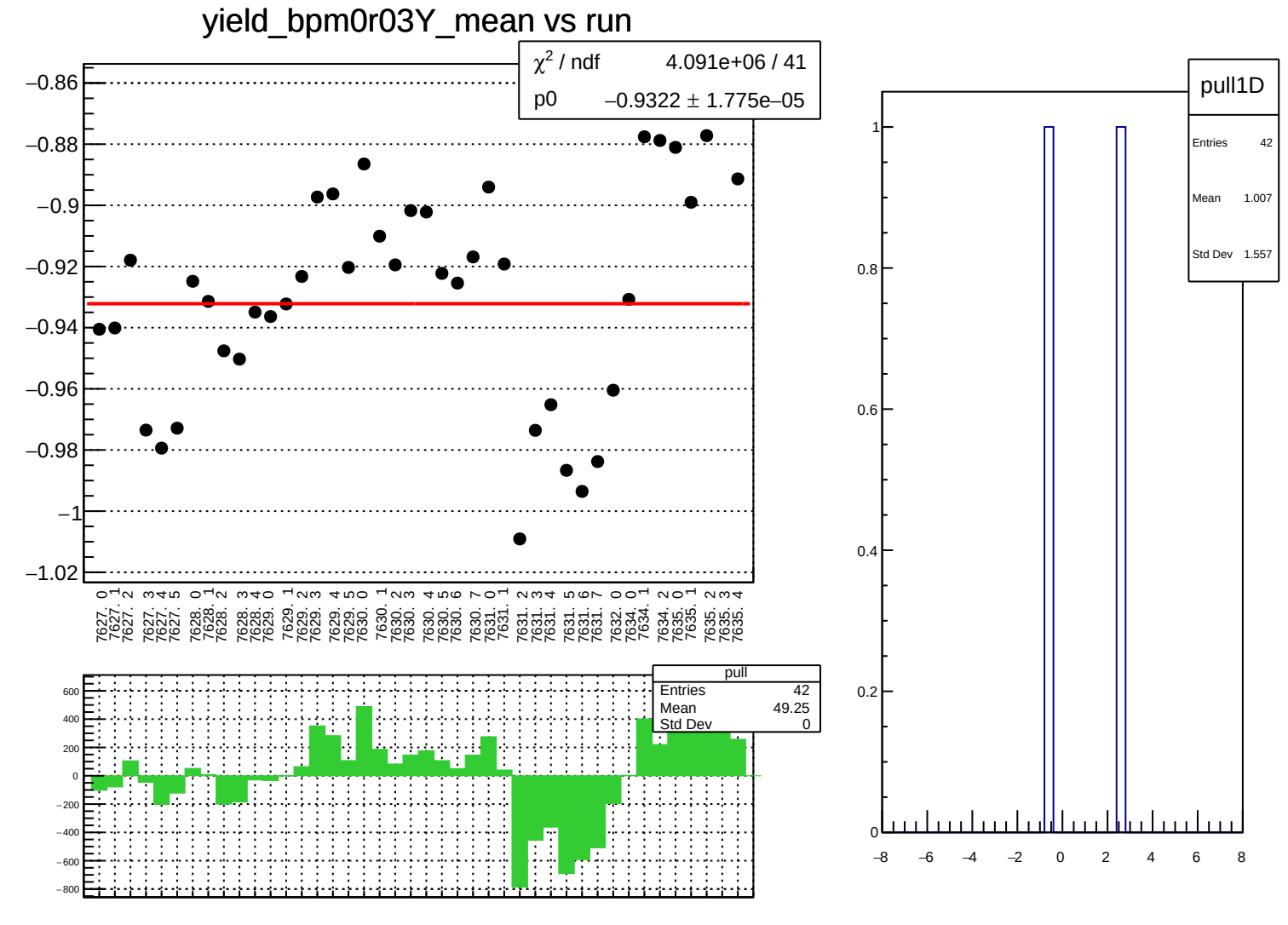

yield_bpm0l10Y_mean vs run
χ² / ndf 1.846e+06 / 41
p0 −0.06936 ± 7.572e−06
pull
Entries 42
Mean 192.9
Std Dev 0
pull1D
Entries 42
Mean 0.05649
Std Dev 4.065

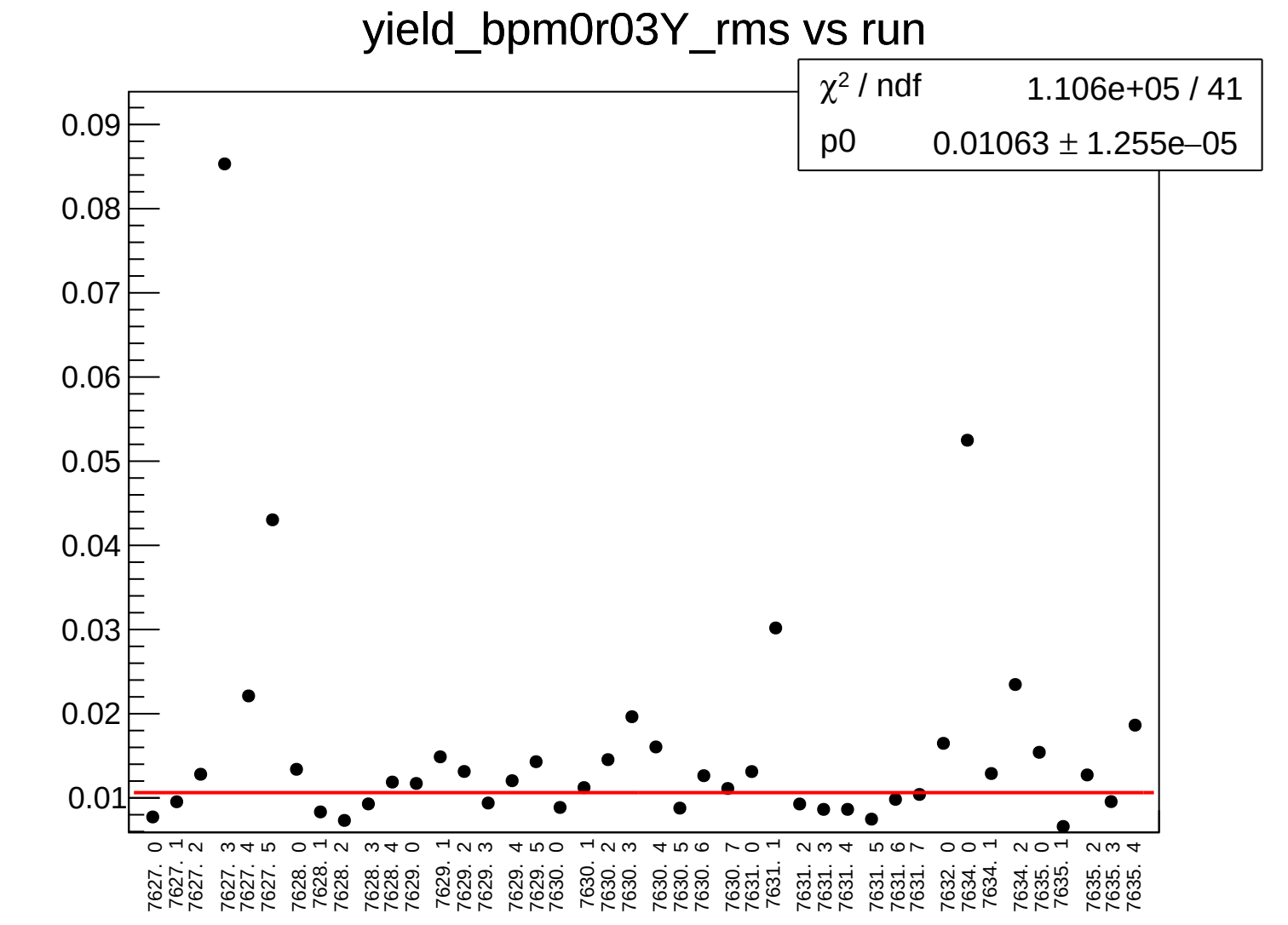

yield_bpm0l10Y_rms vs run
χ² / ndf 7.887e+04 / 41
p0 0.004634 ± 5.354e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


yield_bpm0r03X_mean vs run
χ² / ndf 7.642e+04 / 41
p0 −3.372 ± 9.352e−05
pull
Entries 42
Mean −6.878
Std Dev 0


pull1D
Entries 42
Mean 4.704
Std Dev 2.254


yield_bpm0r03X_rms vs run
χ² / ndf 3.263e+04 / 41
p0 0.05896 ± 6.613e–05
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


yield_bpm0r03Y_mean vs run
χ² / ndf 4.091e+06 / 41
p0 −0.9322 ± 1.775e−05
−0.86
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
−1
−1.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 49.25
Std Dev 0
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 42
Mean 1.007
Std Dev 1.557
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 1.106e+05 / 41
p0 0.01063 ± 1.255e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
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7635. 0
7635. 1
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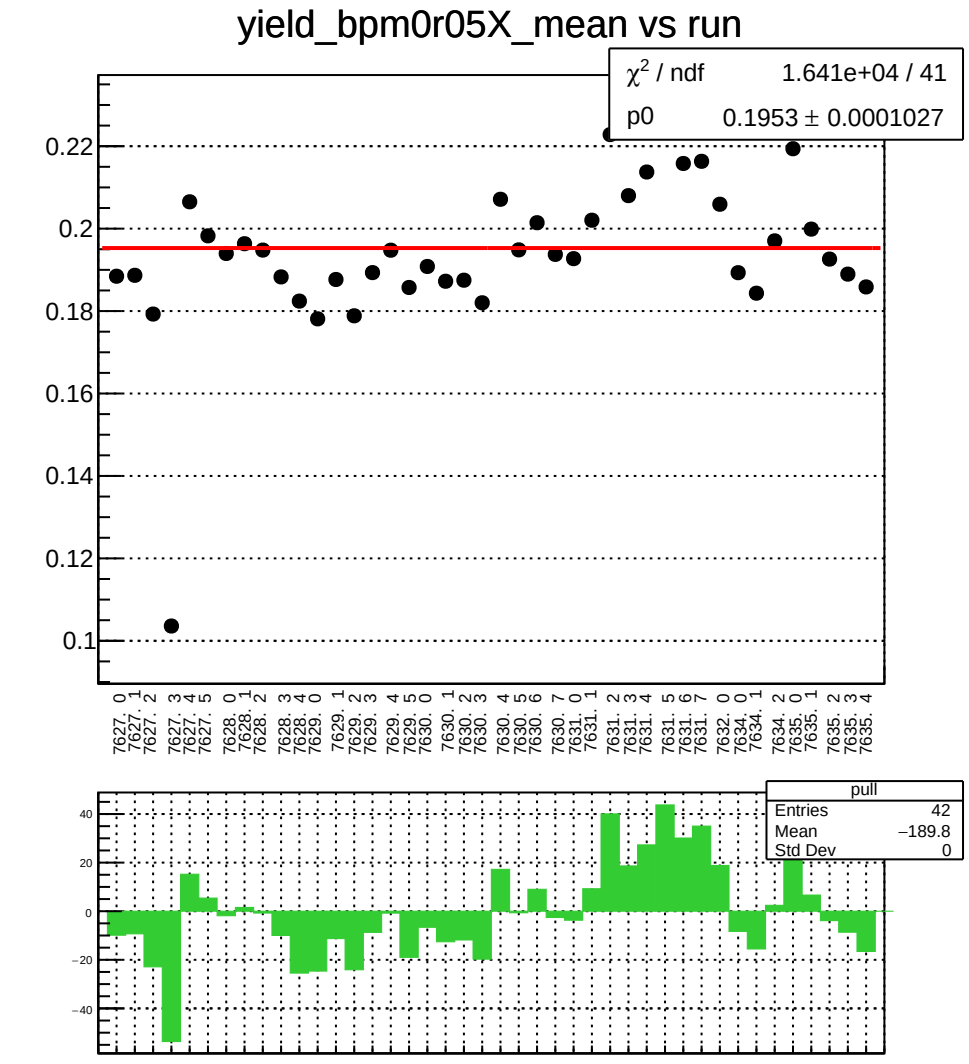
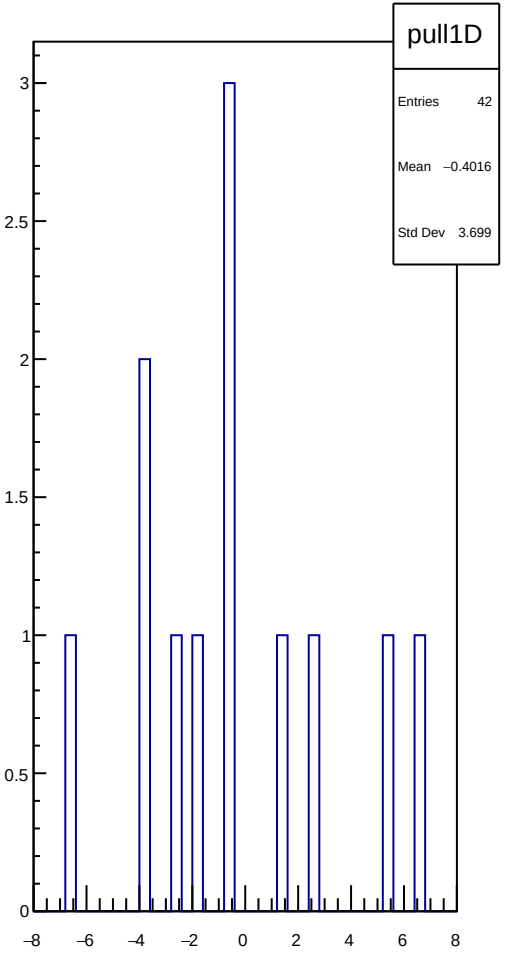
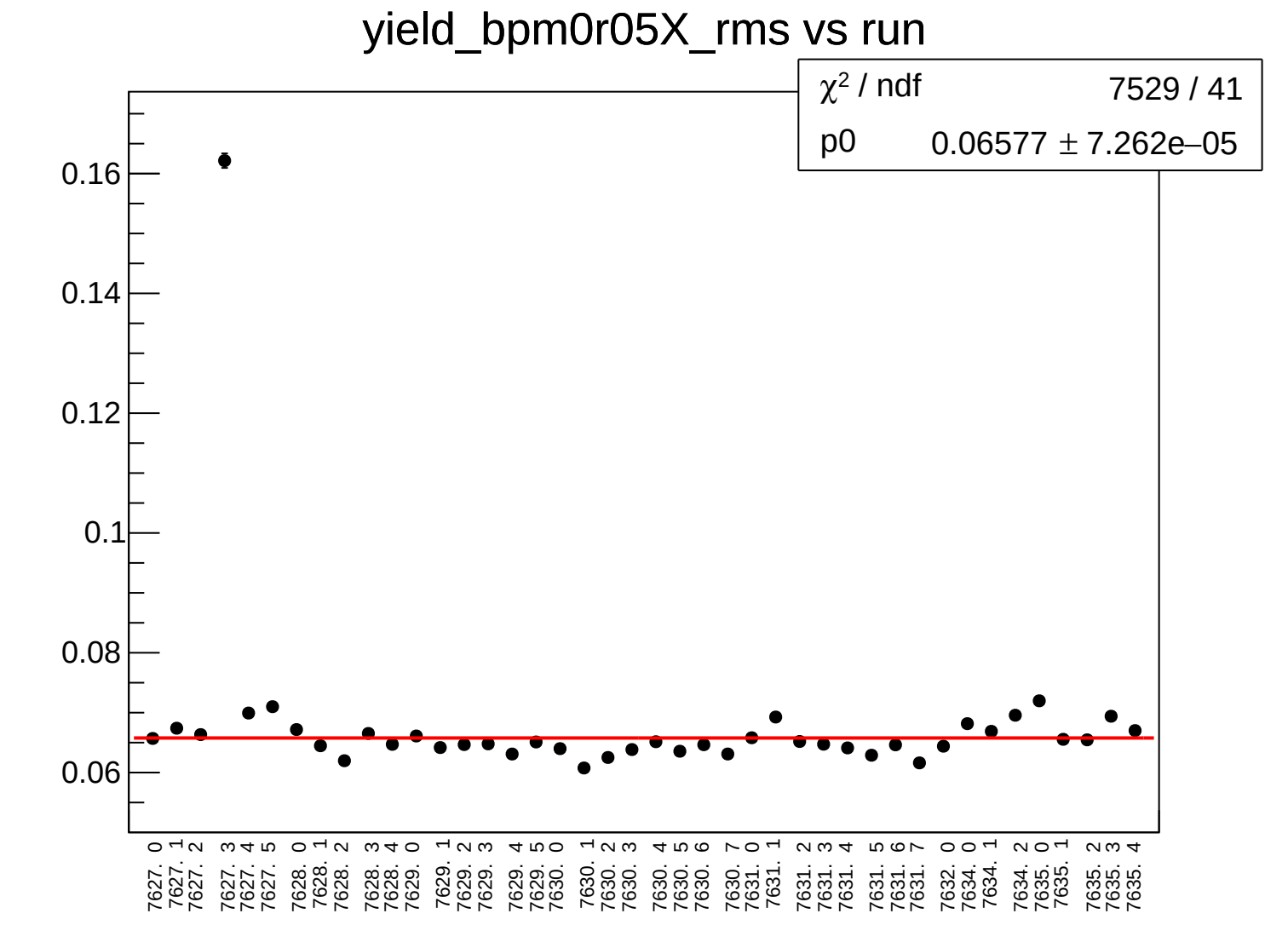
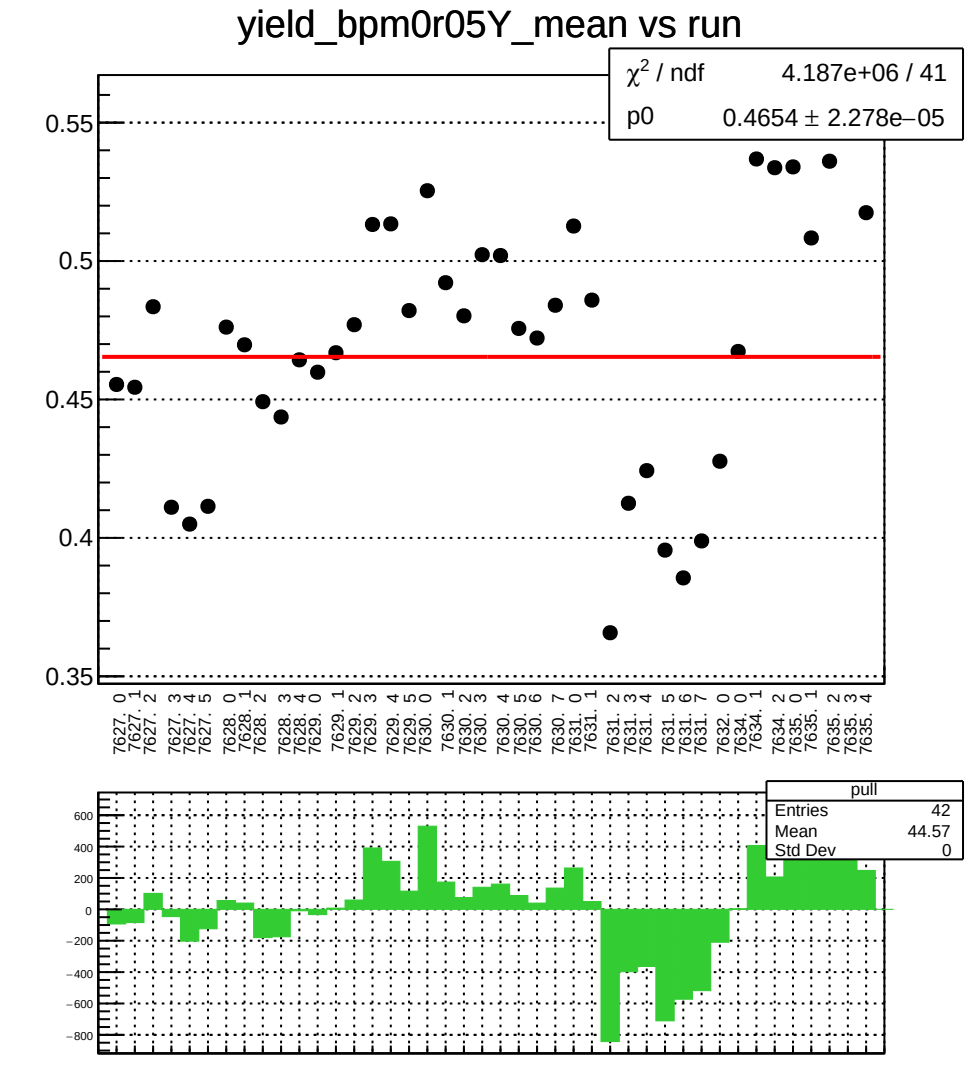
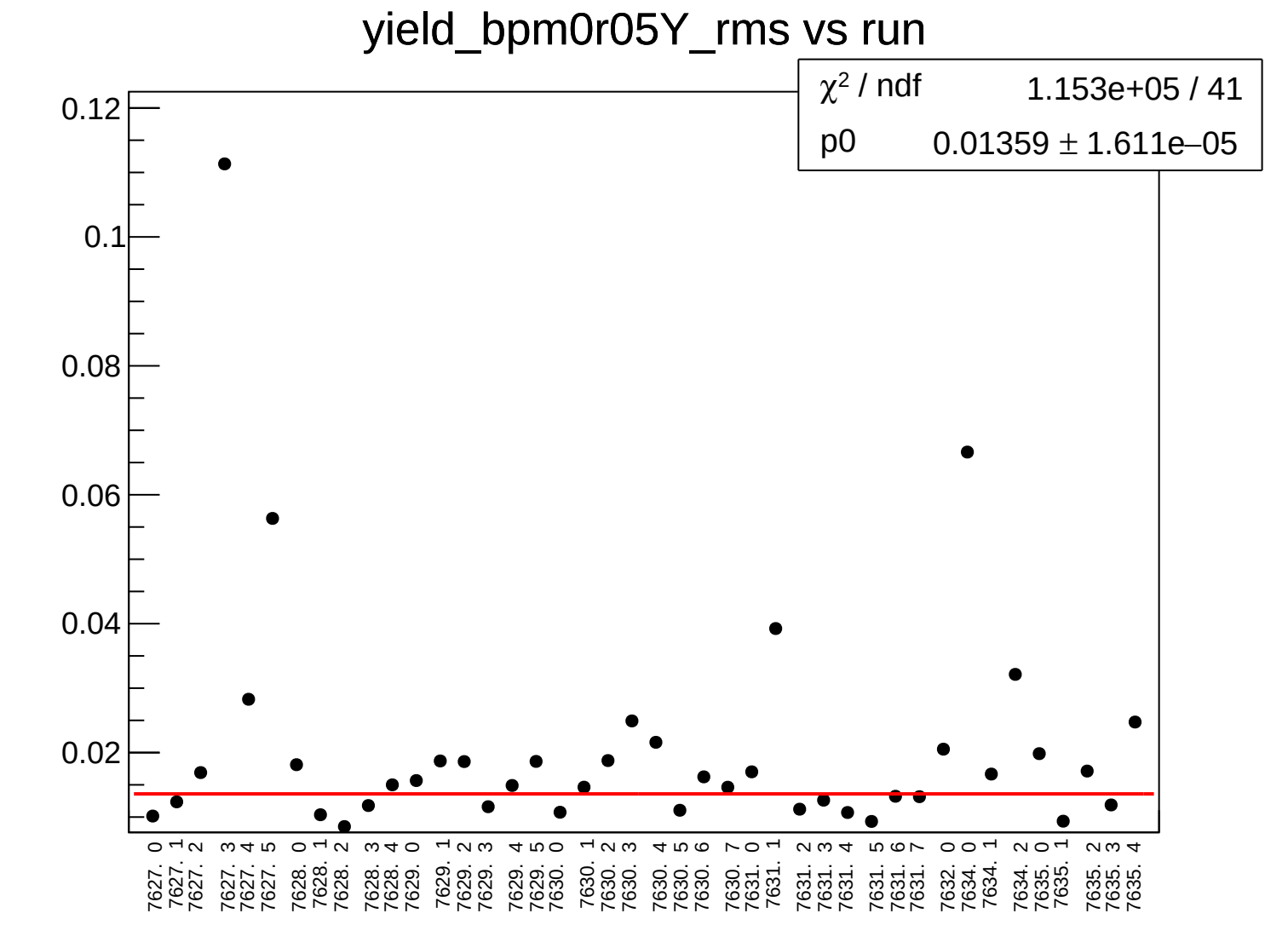
7635. 3
7635. 4

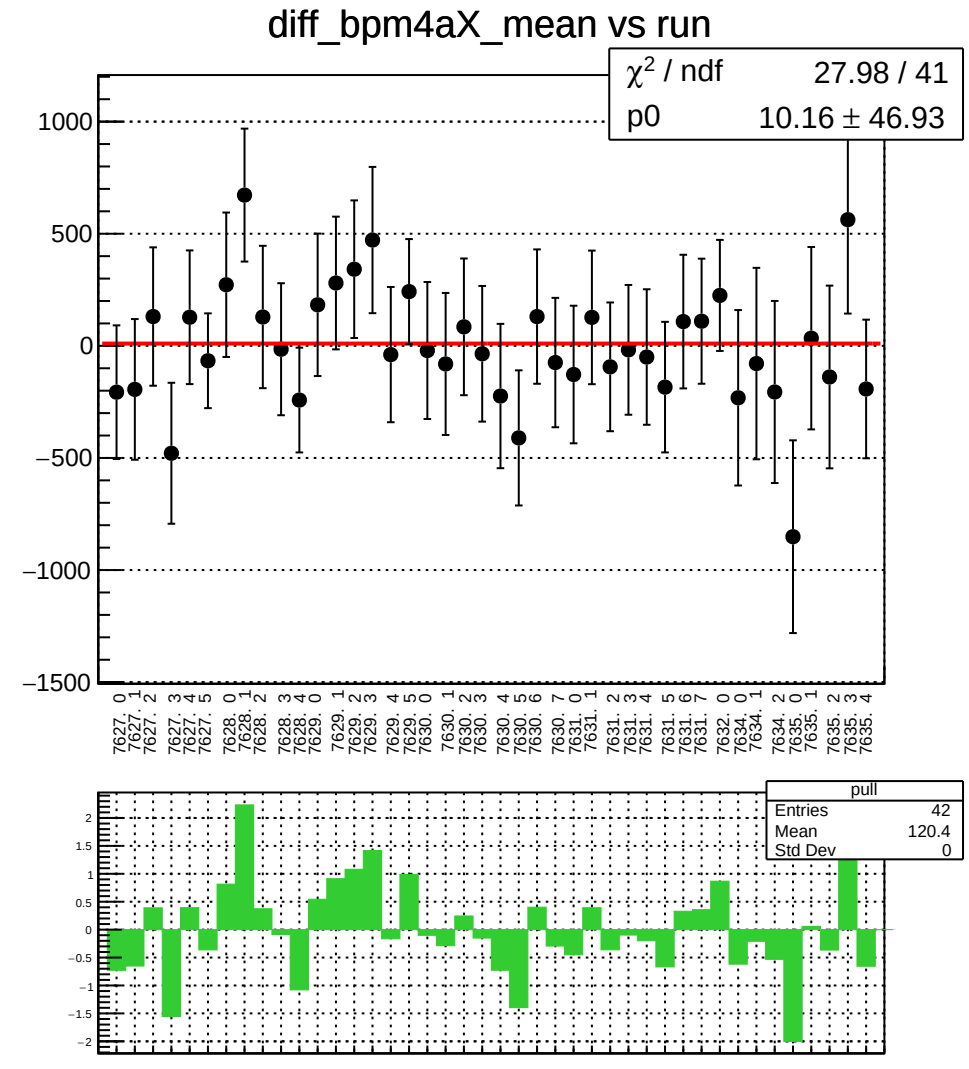

yield_bpm0r05X_mean vs run
χ² / ndf 1.641e+04 / 41
p0 0.1953 ± 0.0001027
0.22
0.2
0.18
0.16
0.14
0.12
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −189.8
Std Dev 0
40
20
0
−20
−40

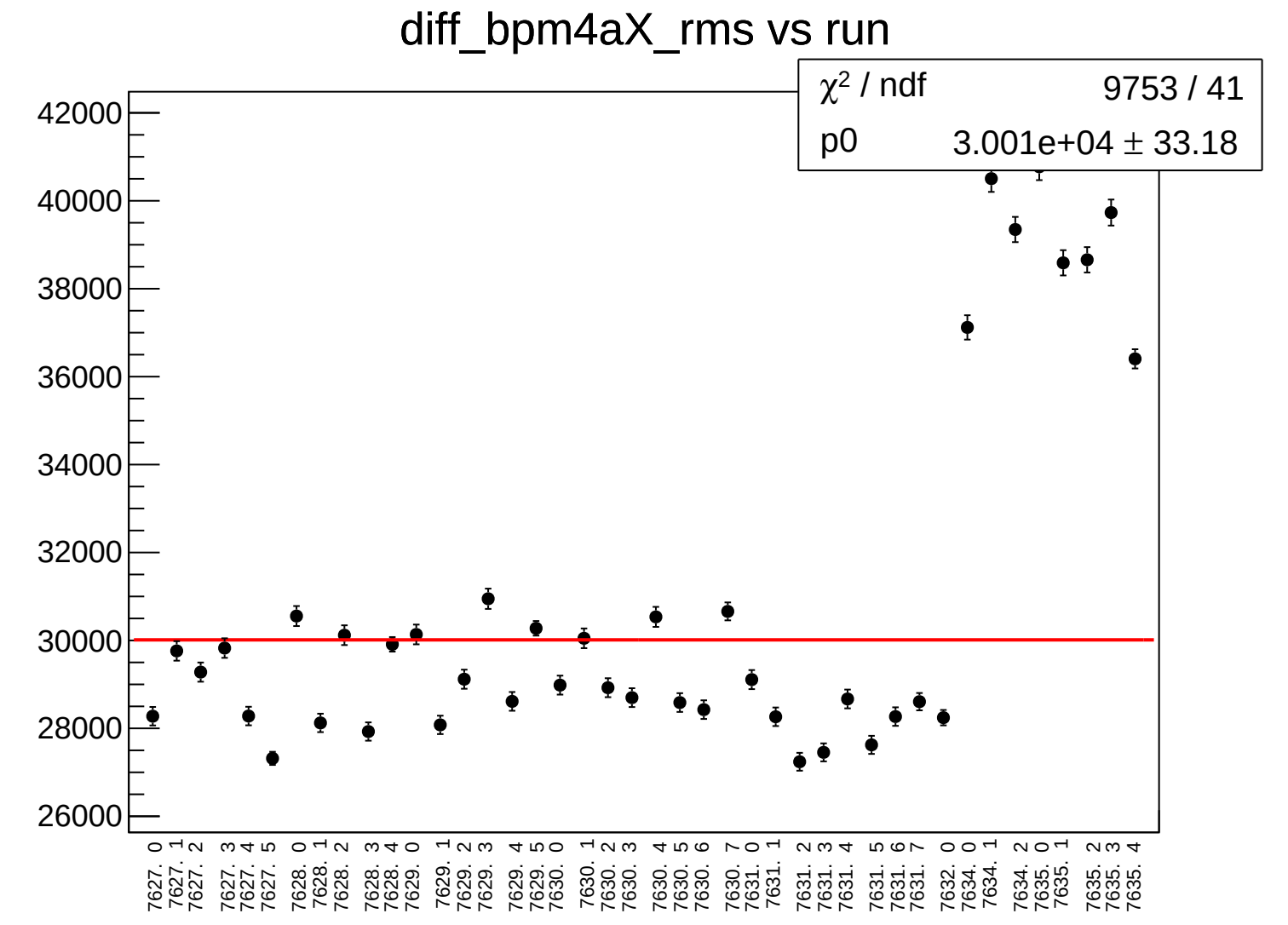

pull1D
Entries 42
Mean −0.4016
Std Dev 3.699
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

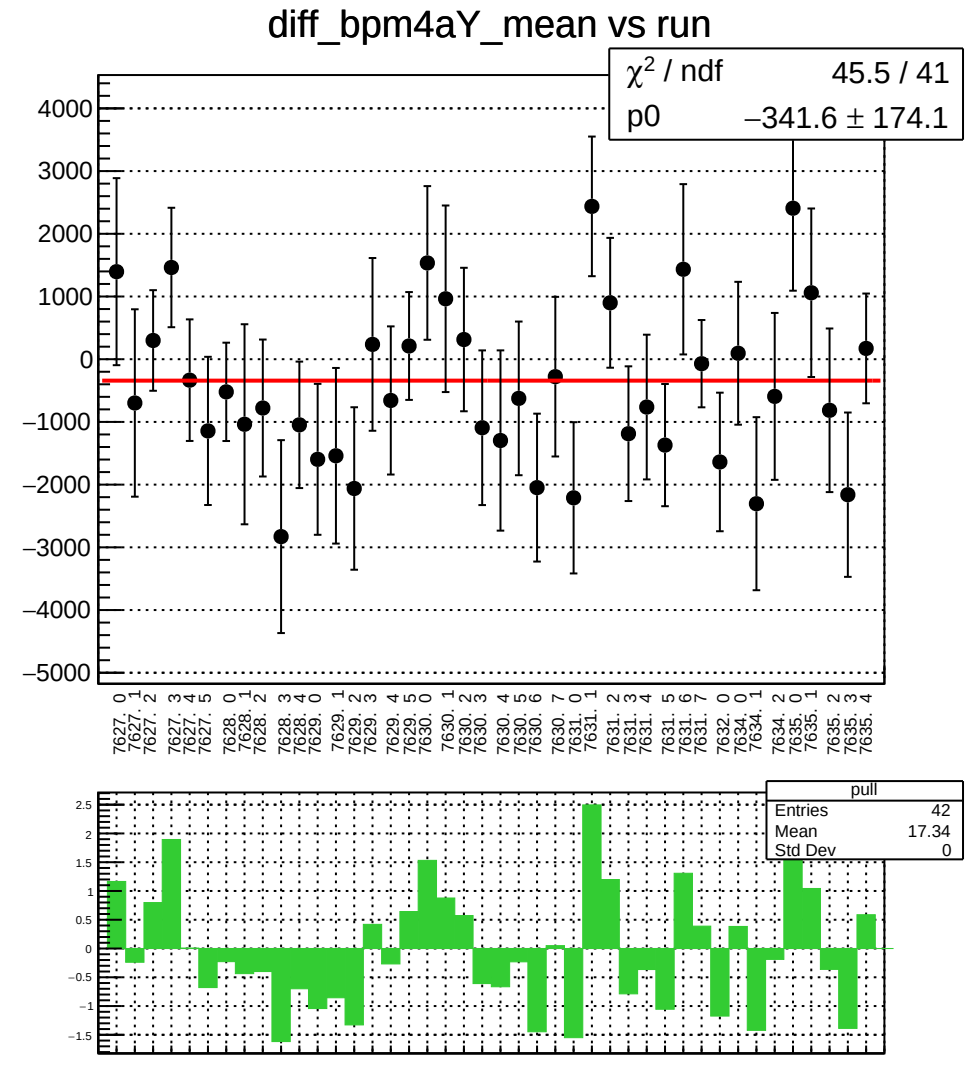

yield_bpm0r05X_rms vs run
χ² / ndf 7529 / 41
p0 0.06577 ± 7.262e–05
0.16
0.14
0.12
0.1
0.08
0.06
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

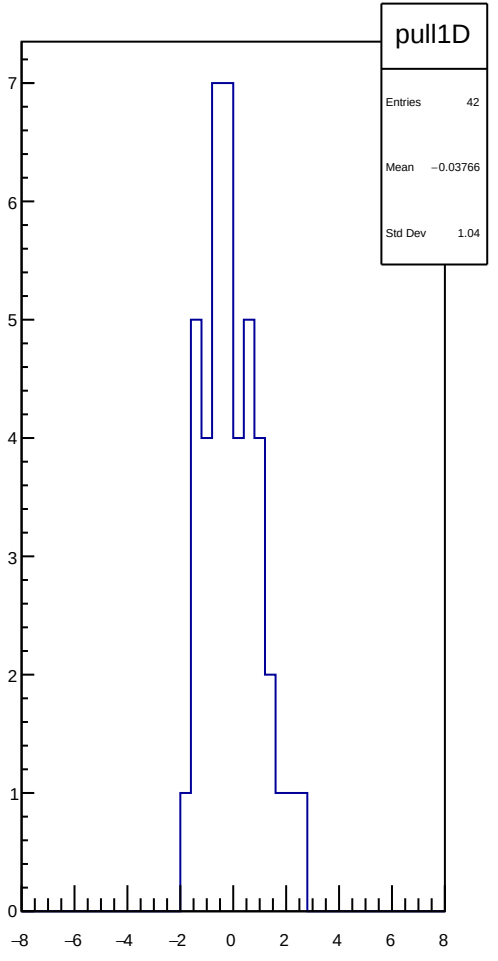

yield_bpm0r05Y_mean vs run
χ² / ndf 4.187e+06 / 41
p0 0.4654 ± 2.278e−05
0.55
0.5
0.45
0.4
0.35
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 44.57
Std Dev 0
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 42
Mean 5.186
Std Dev 2.402
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

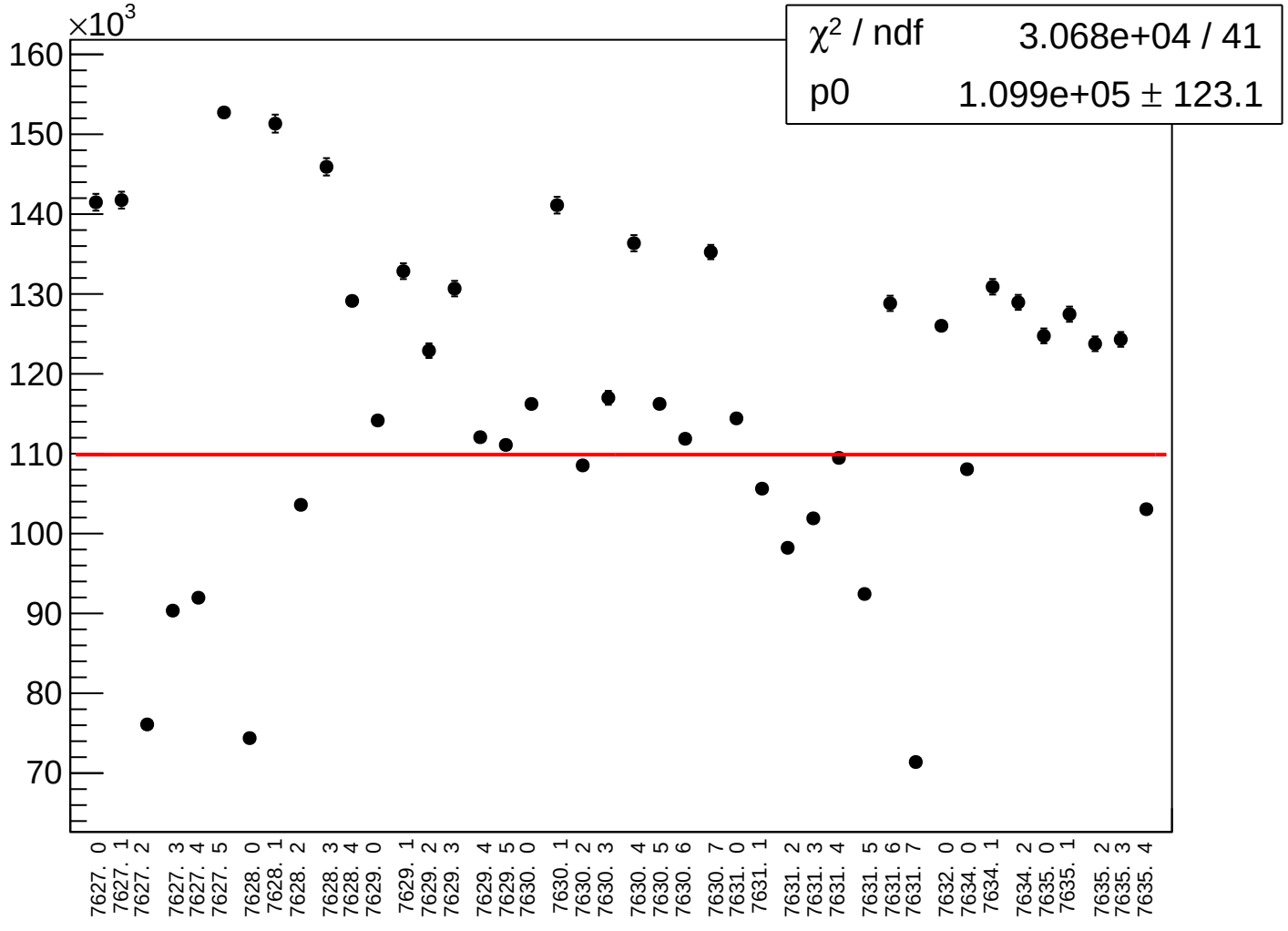

yield_bpm0r05Y_rms vs run
χ² / ndf 1.153e+05 / 41
p0 0.01359 ± 1.611e–05
0.12
0.1
0.08
0.06
0.04
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

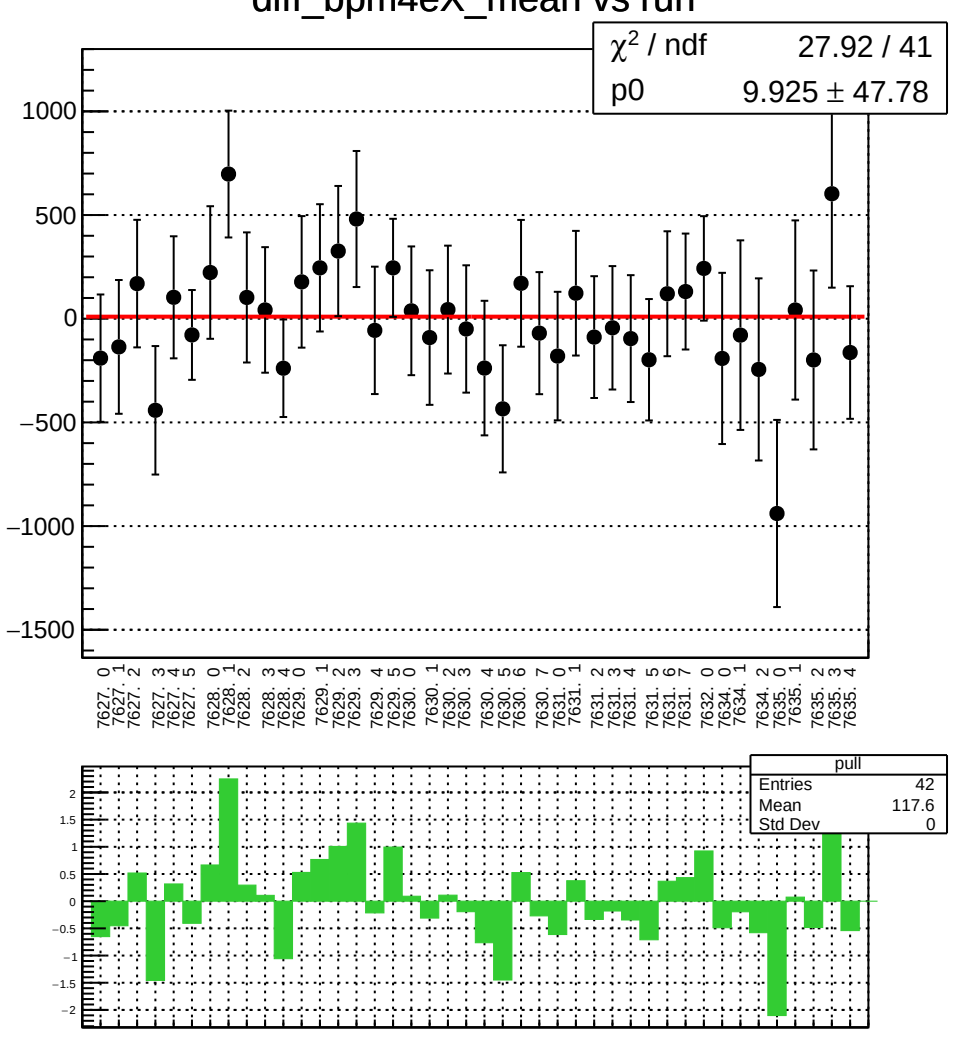

diff_bpm4aX_mean vs run
χ² / ndf 27.98 / 41
p0 10.16 ± 46.93
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 120.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01478
Std Dev 0.8161
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

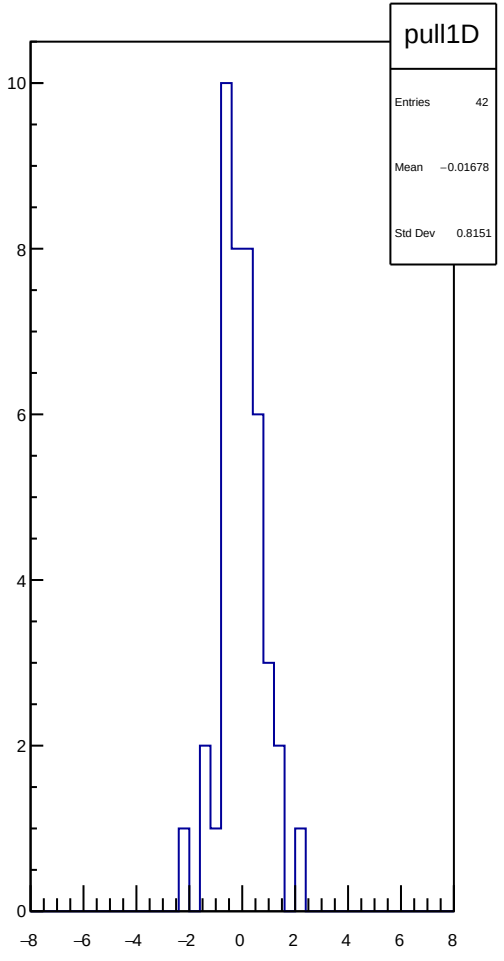

diff_bpm4aX_rms vs run
χ² / ndf 9753 / 41
p0 3.001e+04 ± 33.18
42000
40000
38000
36000
34000
32000
30000
28000
26000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

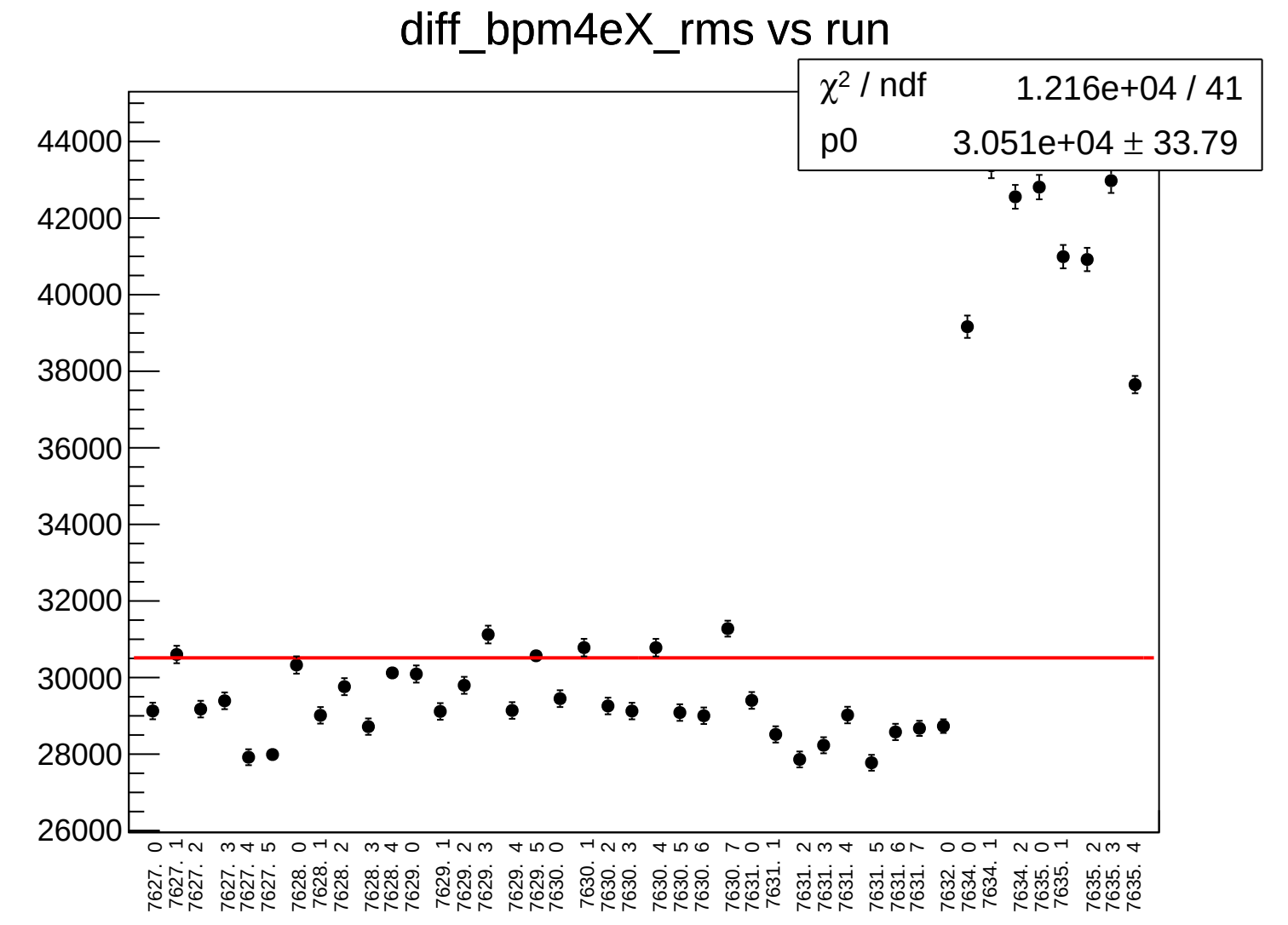

diff_bpm4aY_mean vs run
χ² / ndf 45.5 / 41
p0 −341.6 ± 174.1
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.34
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

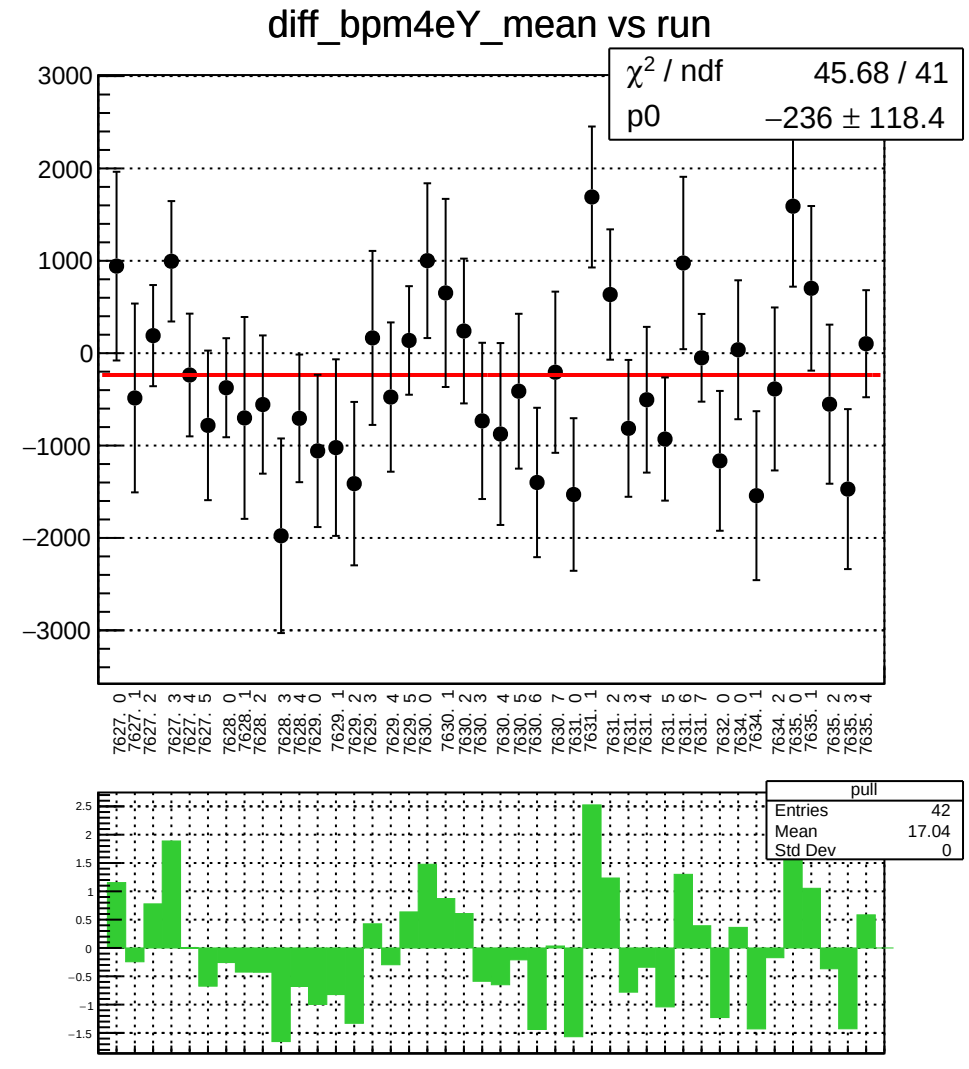

pull1D
Entries 42
Mean −0.03766
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

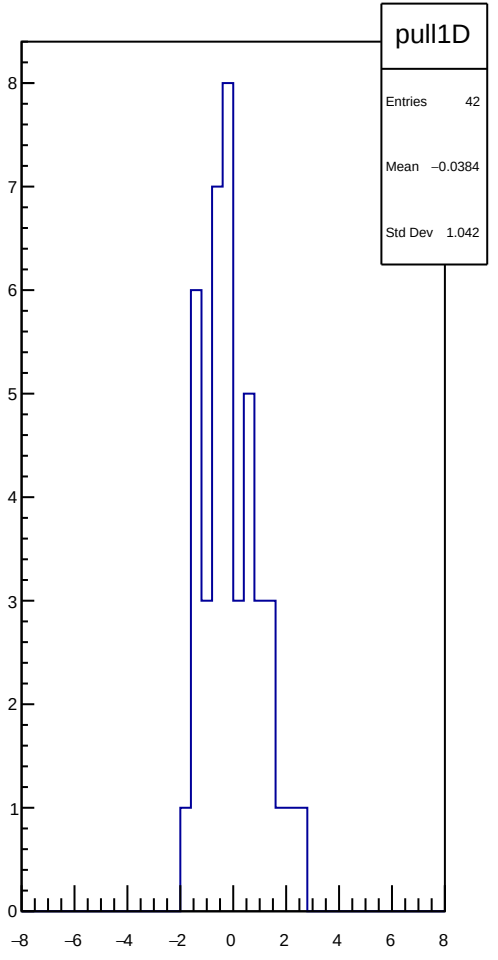

diff_bpm4aY_rms vs run
×10^3
160
150
140
130
120
110
100
90
80
70
χ² / ndf 3.068e+04 / 41
p0 1.099e+05 ± 123.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

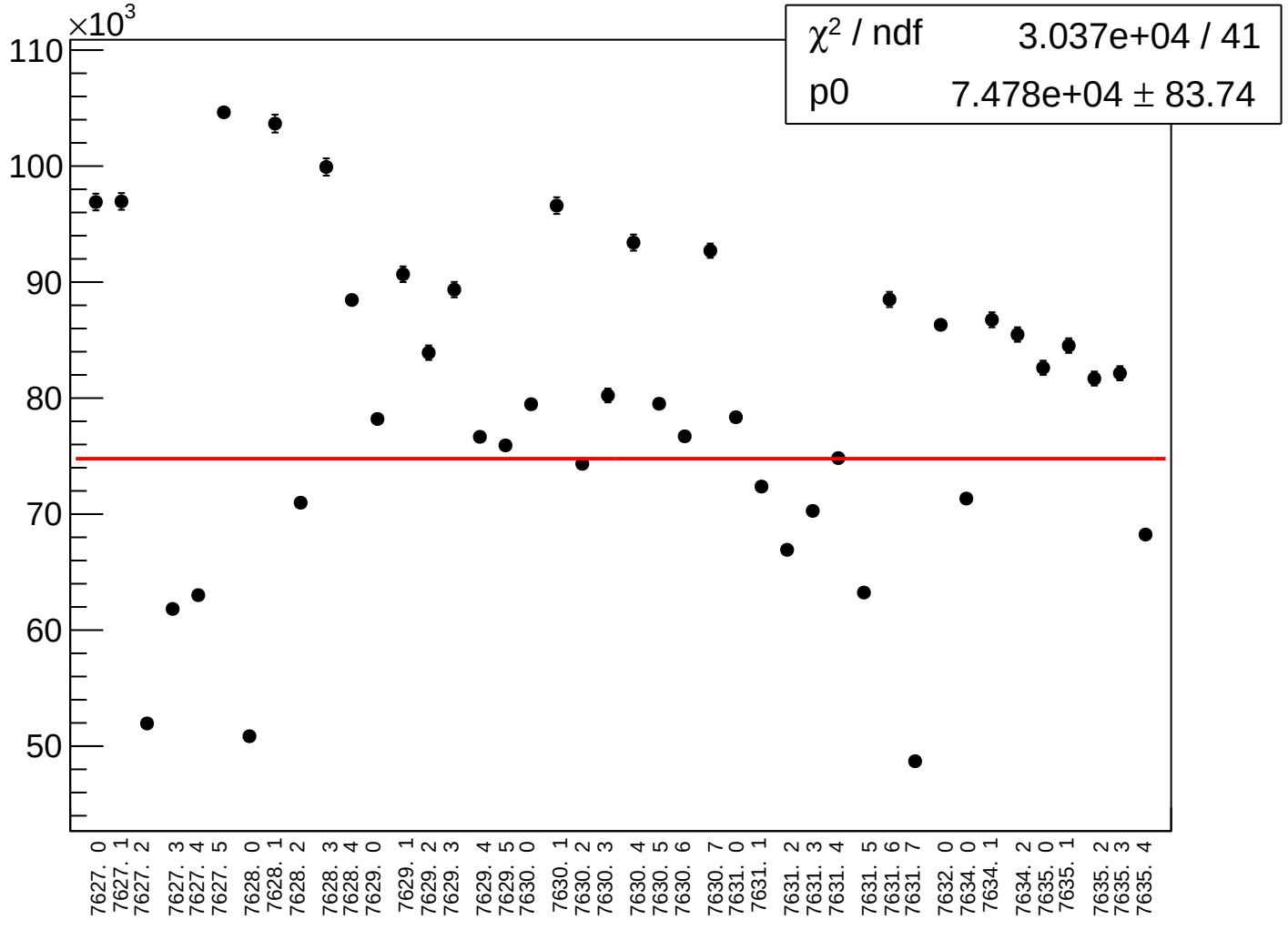

diff_bpm4eX_mean vs run
χ^2 / ndf 27.92 / 41
p0 9.925 ± 47.78
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

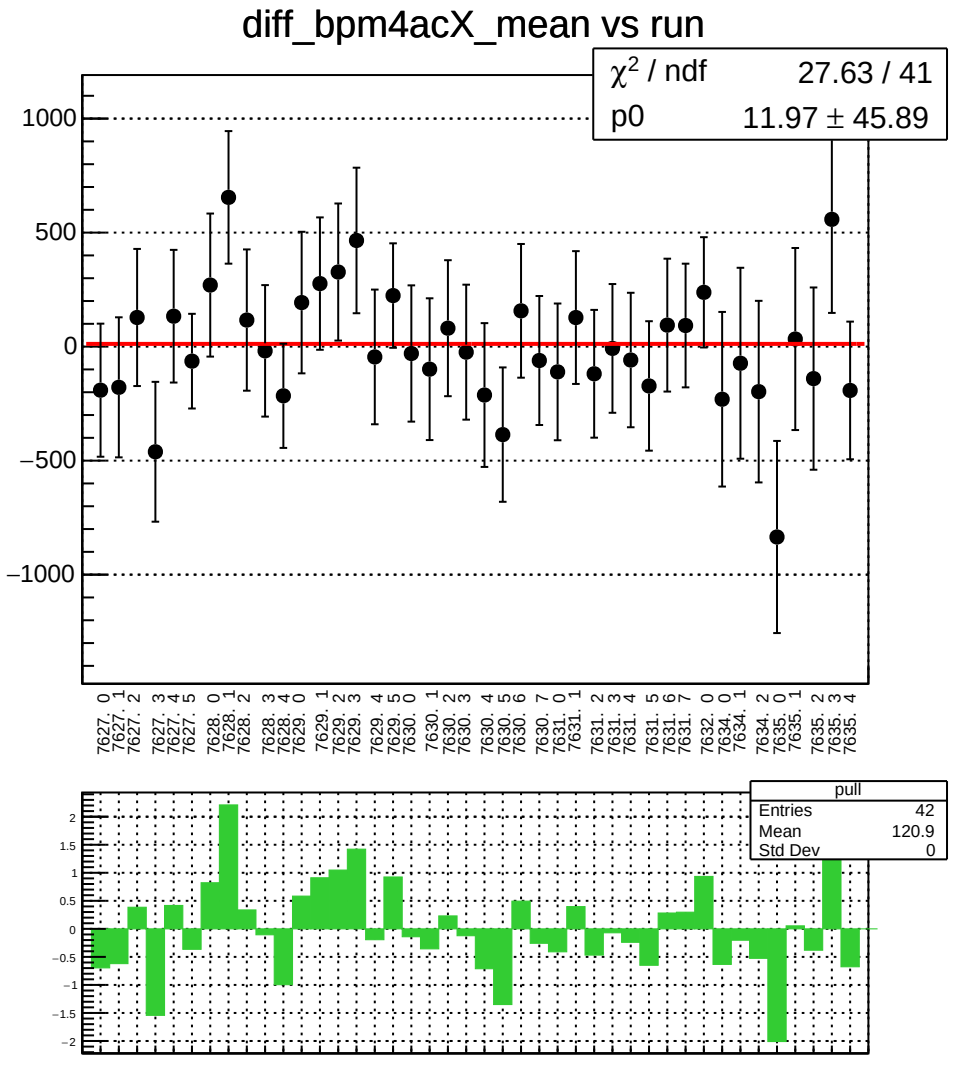

pull1D
Entries 42
Mean −0.01678
Std Dev 0.8151
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

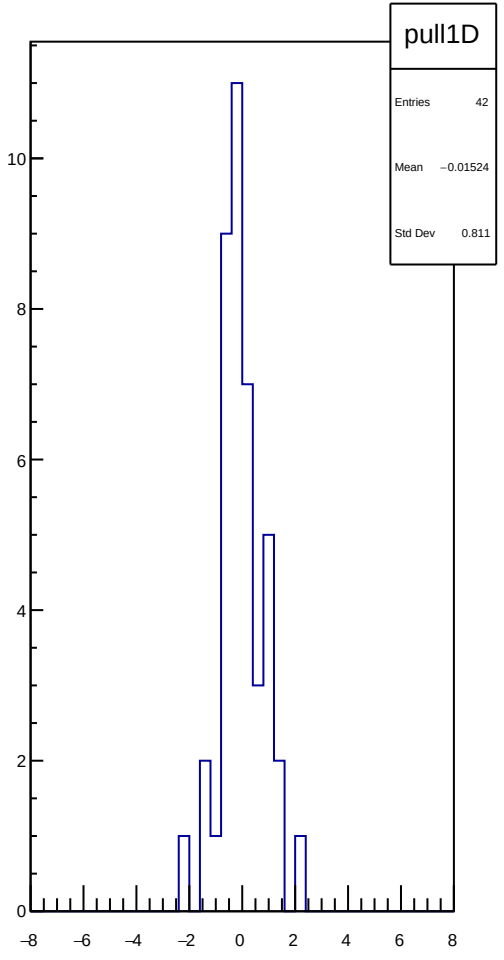

diff_bpm4eX_rms vs run
χ² / ndf 1.216e+04 / 41
p0 3.051e+04 ± 33.79
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

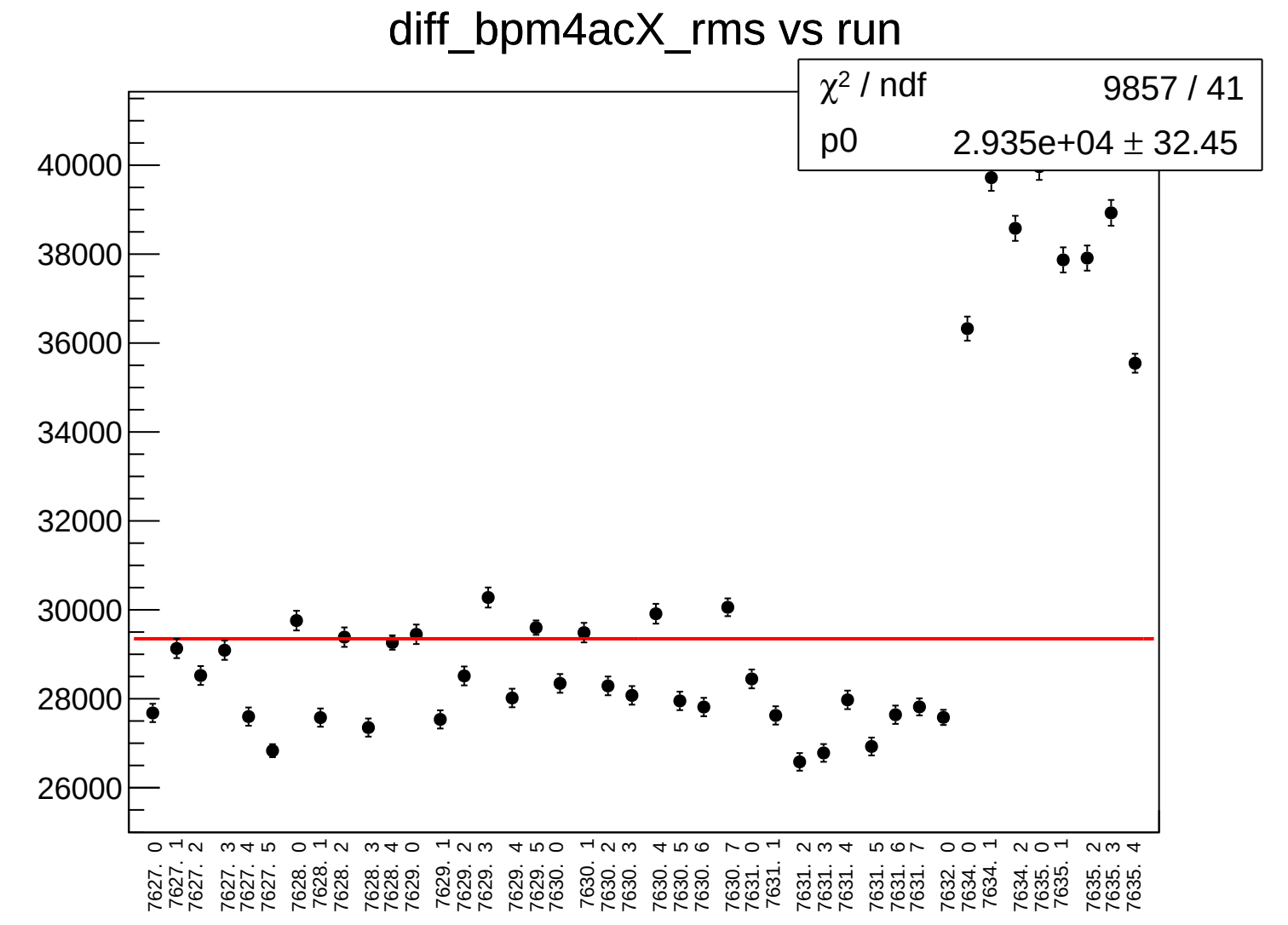

diff_bpm4eY_mean vs run
χ² / ndf 45.68 / 41
p0 −236 ± 118.4
3000
2000
1000
0
−1000
−2000
−3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

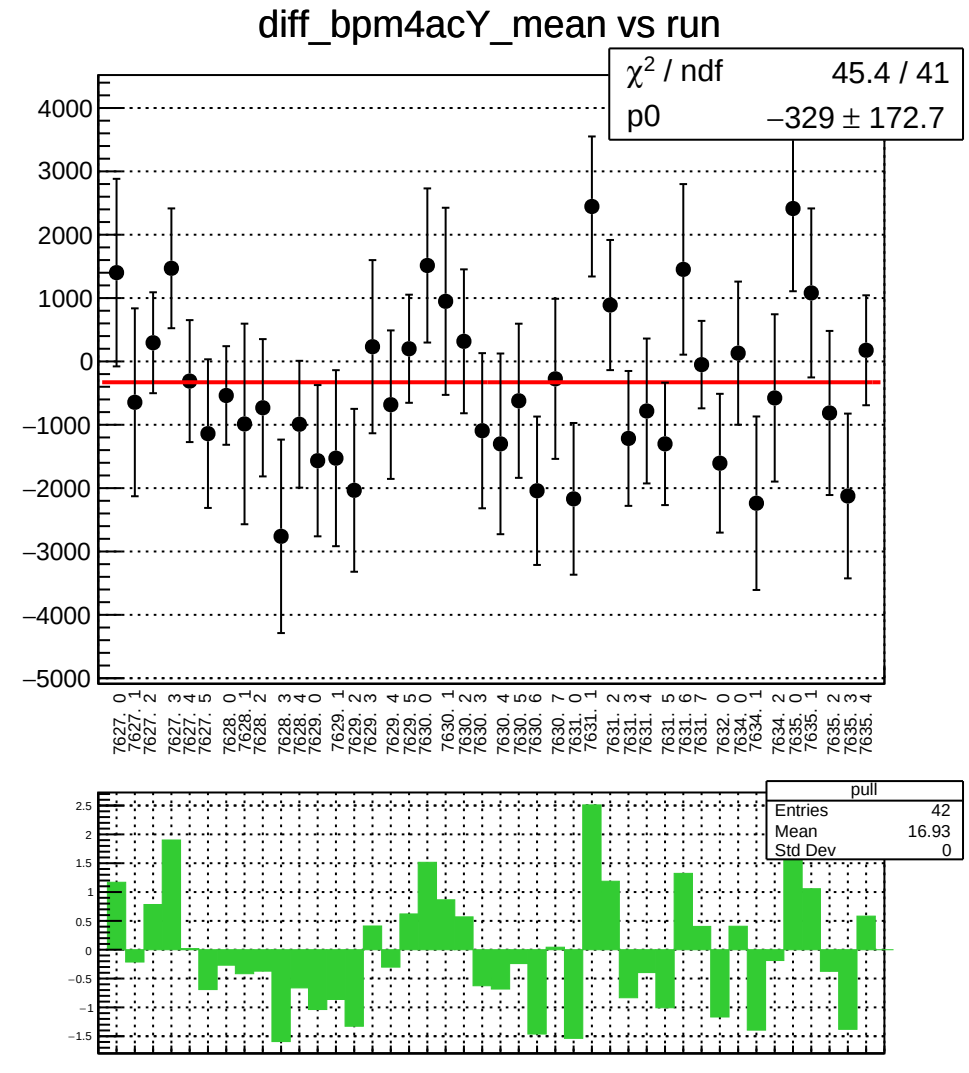

pull1D
Entries 42
Mean −0.0384
Std Dev 1.042
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

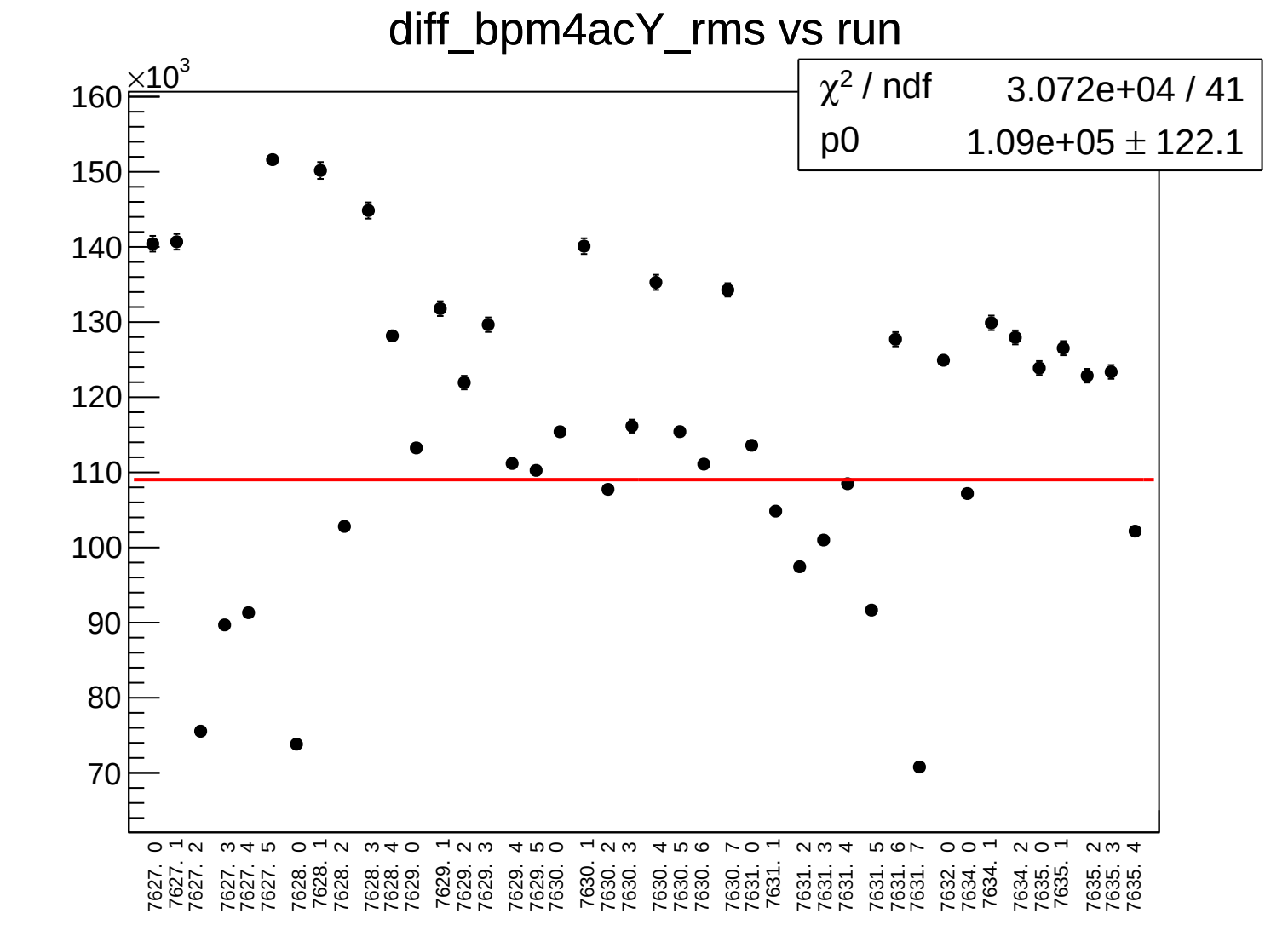

diff_bpm4eY_rms vs run
×10^3
110
100
90
80
70
60
50
χ² / ndf 3.037e+04 / 41
p0 7.478e+04 ± 83.74
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

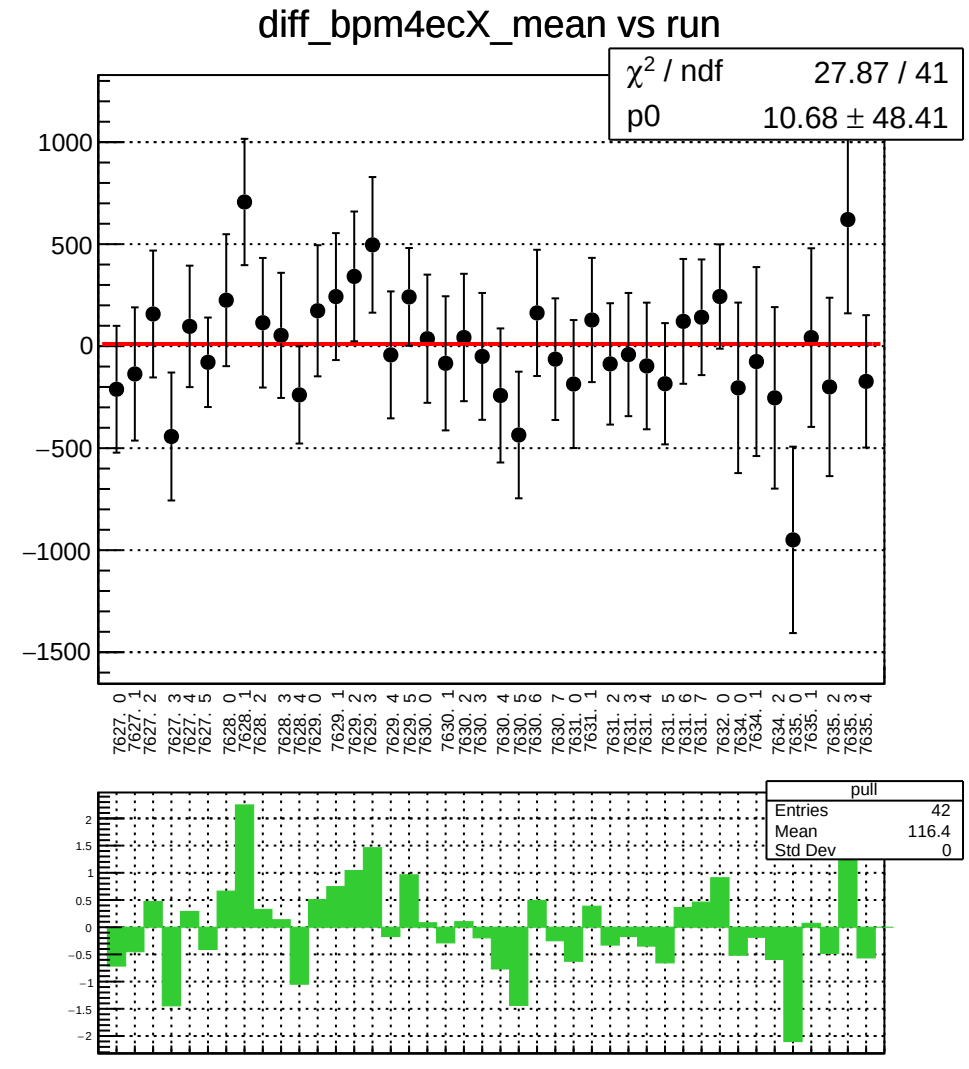

diff_bpm4acX_mean vs run
χ² / ndf 27.63 / 41
p0 11.97 ± 45.89
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 120.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

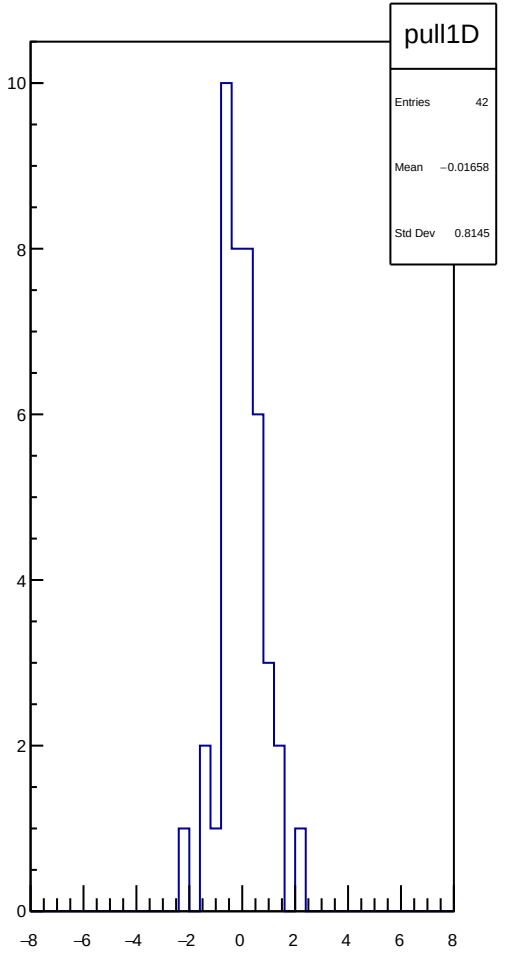

pull1D
Entries 42
Mean −0.01524
Std Dev 0.811
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

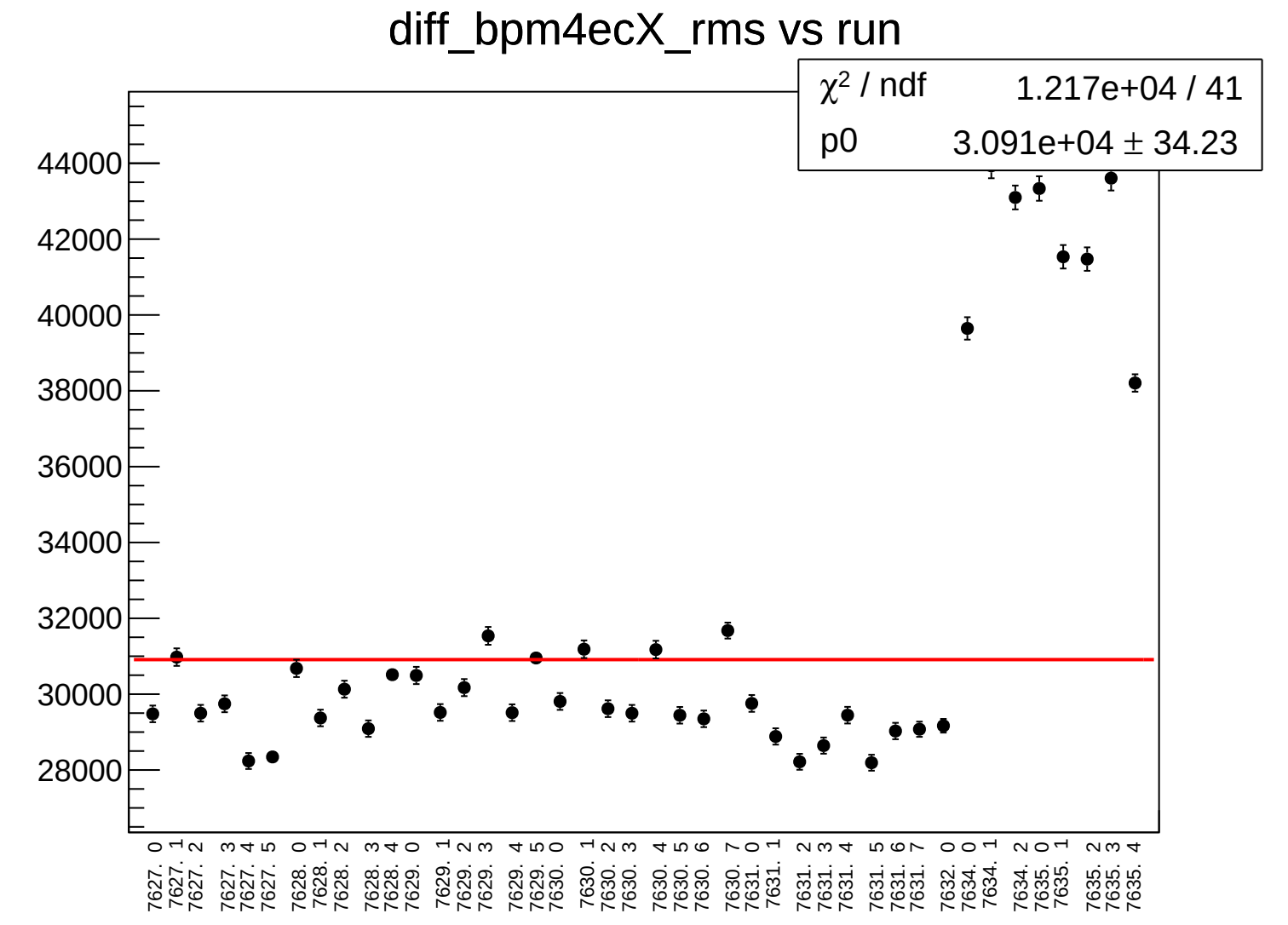

diff_bpm4acX_rms vs run
χ² / ndf 9857 / 41
p0 2.935e+04 ± 32.45
40000
38000
36000
34000
32000
30000
28000
26000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

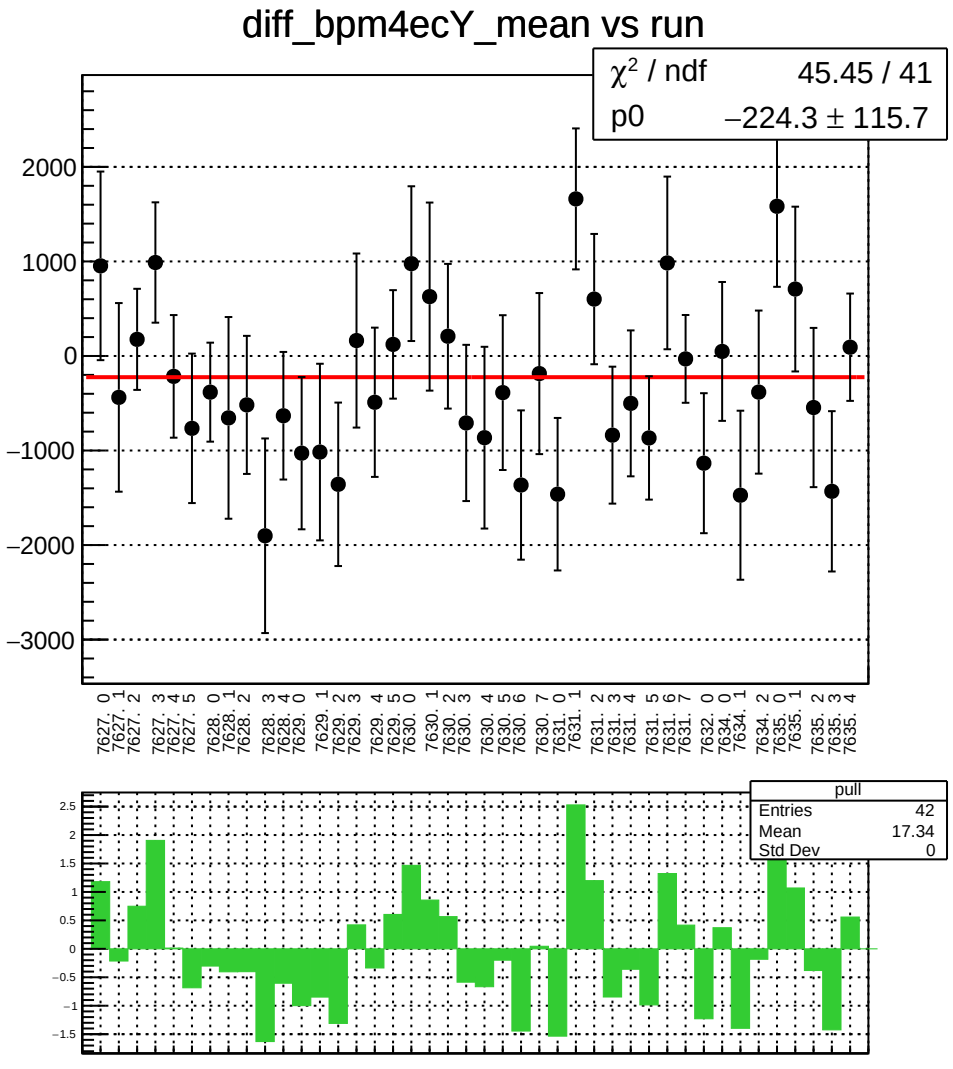

diff_bpm4acY_mean vs run
χ² / ndf 45.4 / 41
p0 −329 ± 172.7
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 16.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.037
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

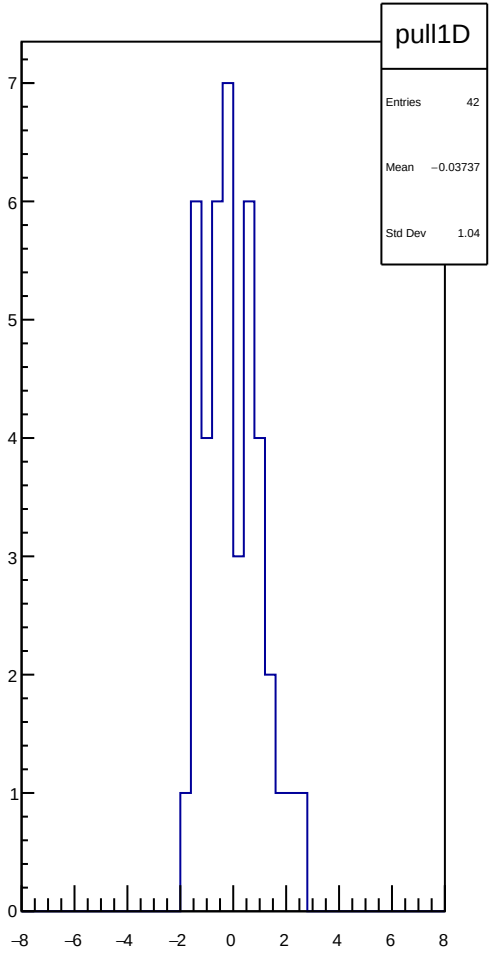

diff_bpm4acY_rms vs run
×10^3
160
150
140
130
120
110
100
90
80
70
χ² / ndf 3.072e+04 / 41
p0 1.09e+05 ± 122.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

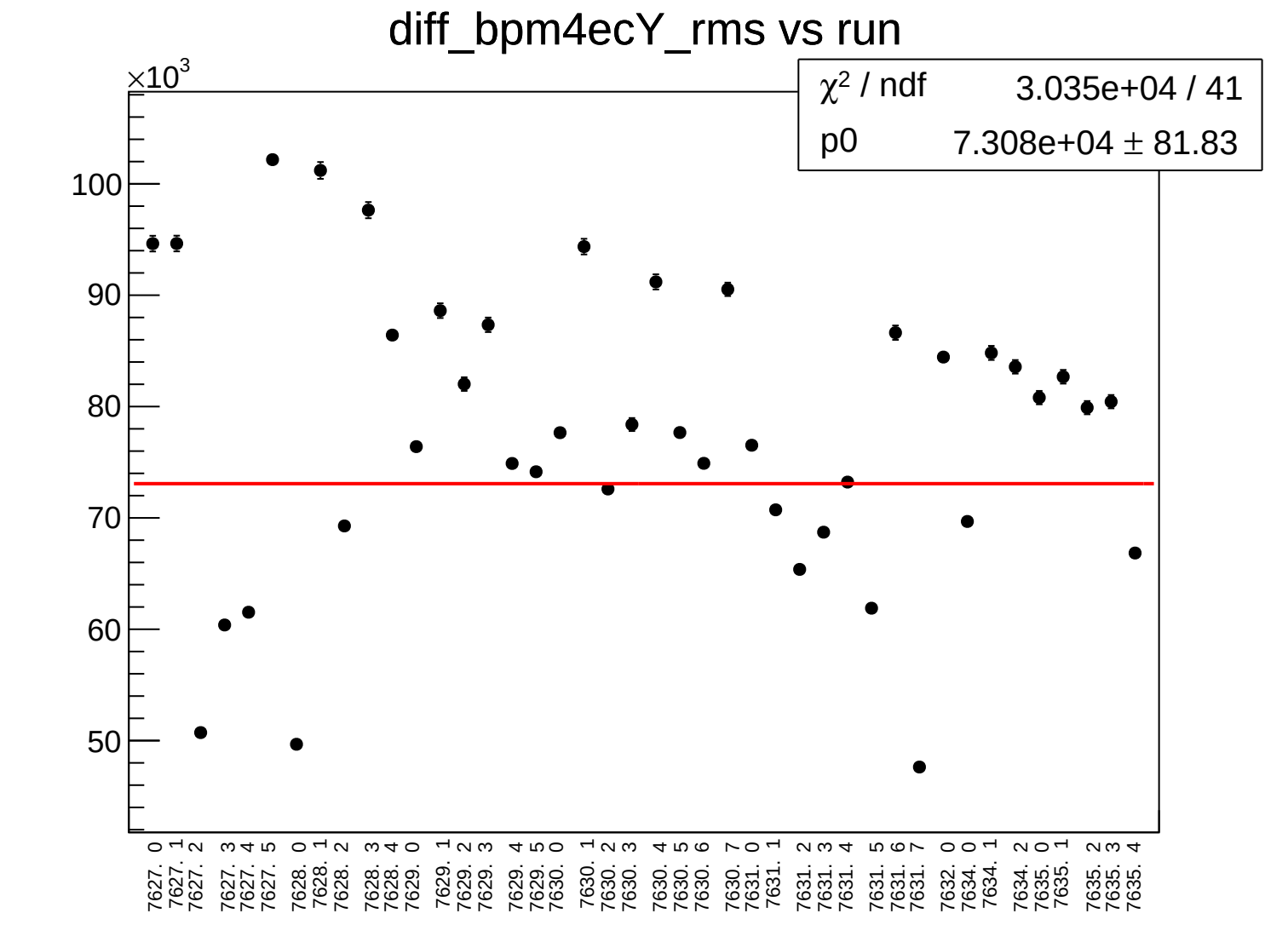

diff_bpm4ecX_mean vs run
χ² / ndf 27.87 / 41
p0 10.68 ± 48.41
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 116.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

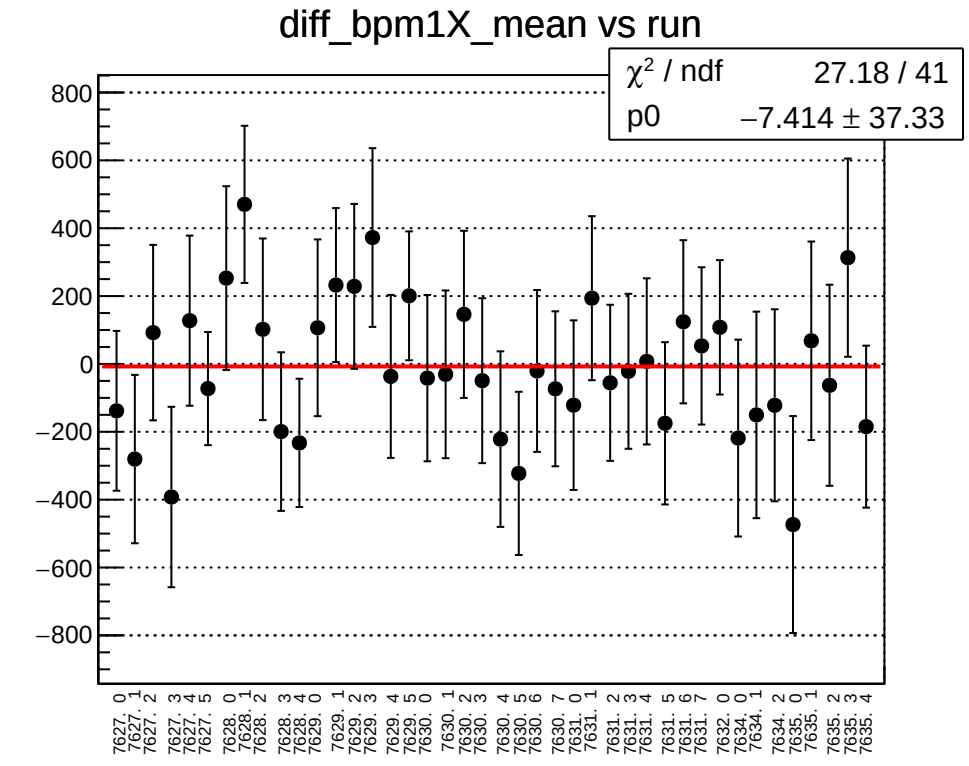

pull1D
Entries 42
Mean −0.01658
Std Dev 0.8145
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

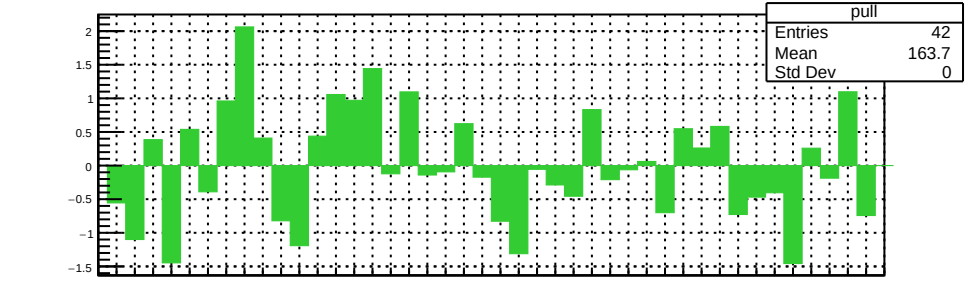

diff_bpm4ecX_rms vs run
χ² / ndf 1.217e+04 / 41
p0 3.091e+04 ± 34.23
44000
42000
40000
38000
36000
34000
32000
30000
28000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

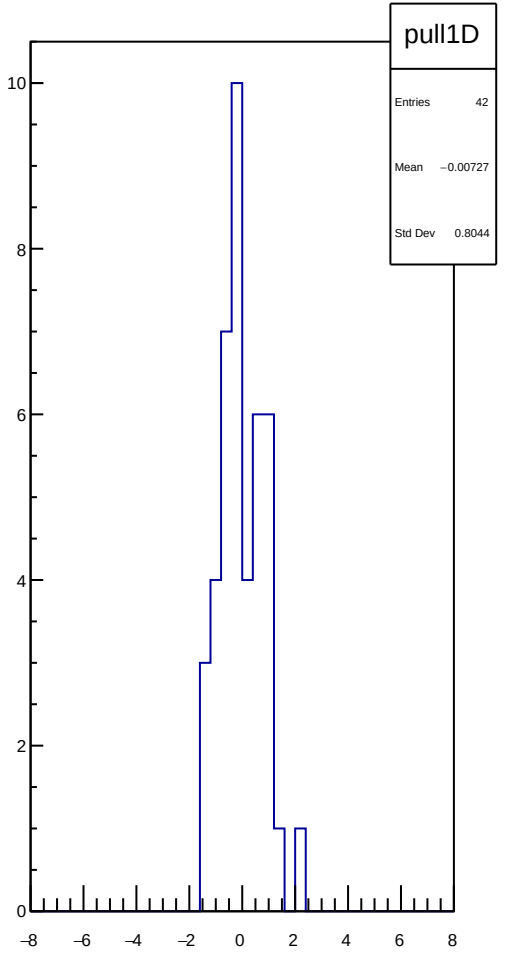

diff_bpm4ecY_mean vs run
χ² / ndf 45.45 / 41
p0 −224.3 ± 115.7
2000
1000
0
−1000
−2000
−3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.34
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

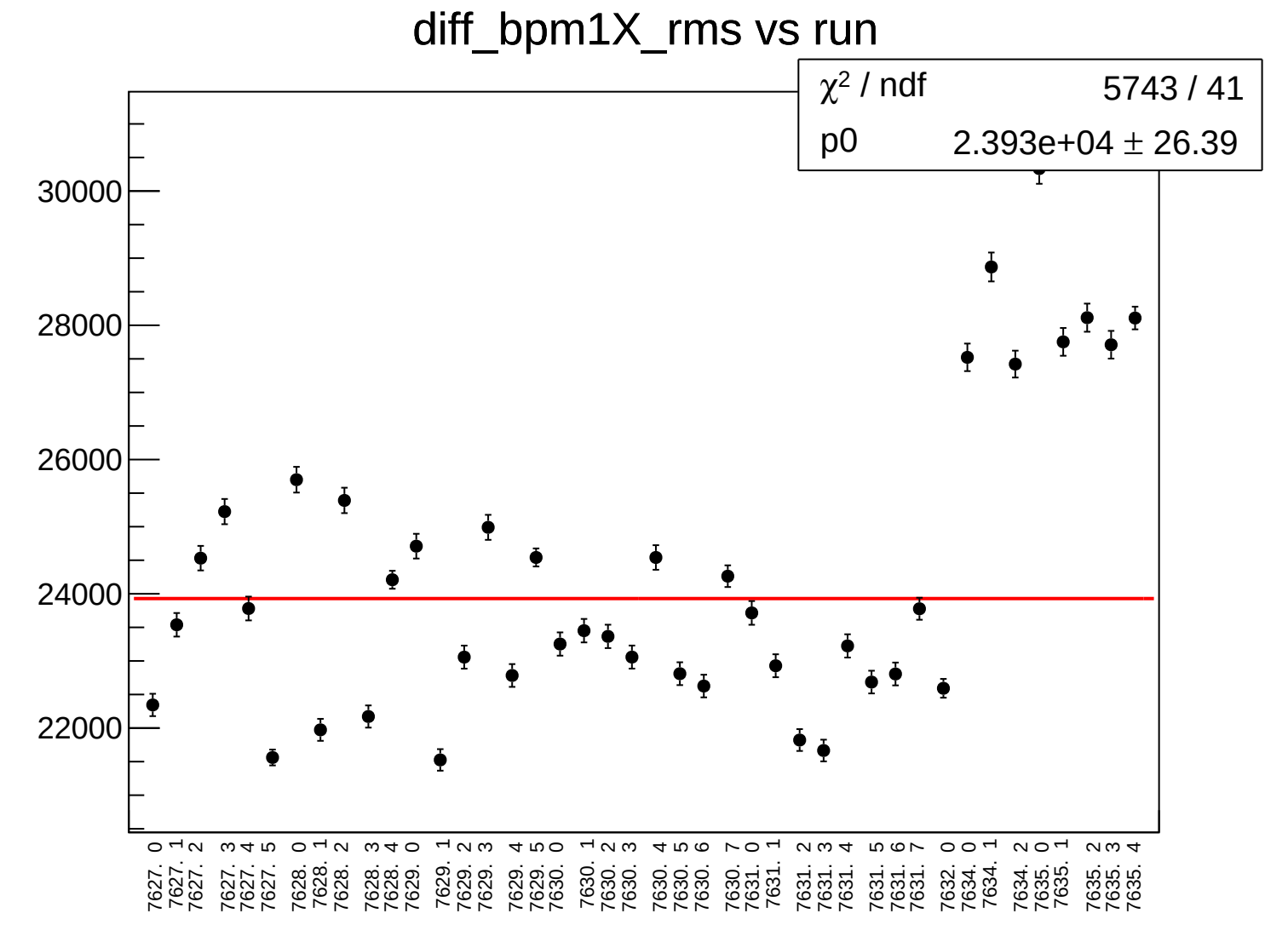

pull1D
Entries 42
Mean −0.03737
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

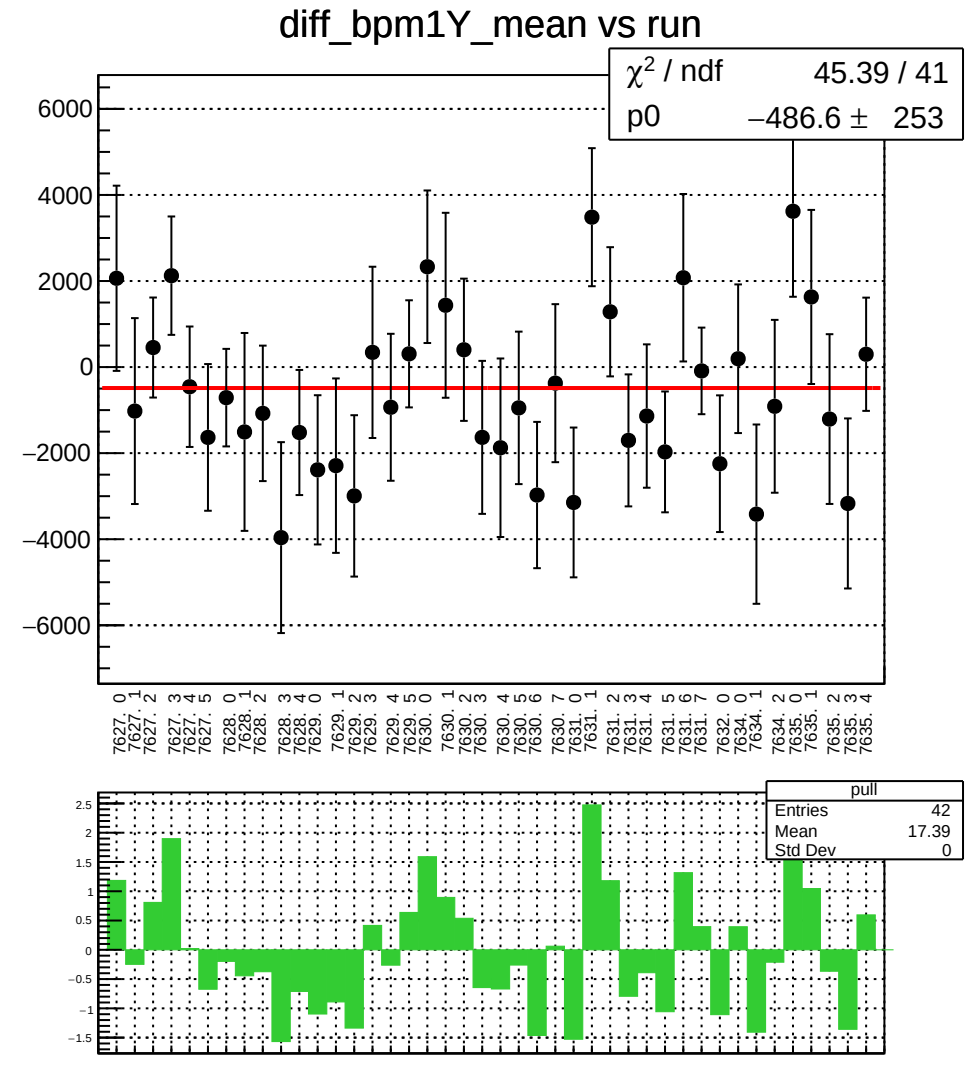

diff_bpm4ecY_rms vs run
×10^3
χ² / ndf 3.035e+04 / 41
p0 7.308e+04 ± 81.83
100
90
80
70
60
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

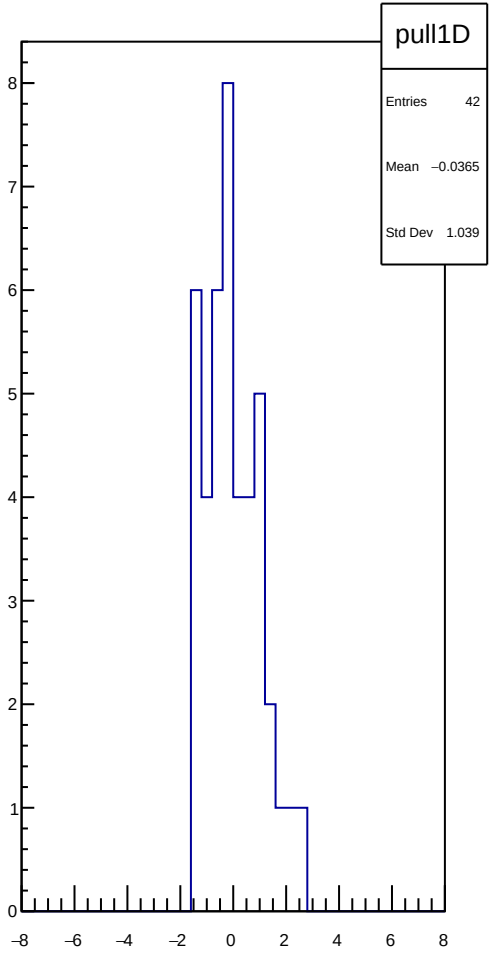

diff_bpm1X_mean vs run
χ² / ndf 27.18 / 41
p0 −7.414 ± 37.33
800
600
400
200
0
−200
−400
−600
−800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

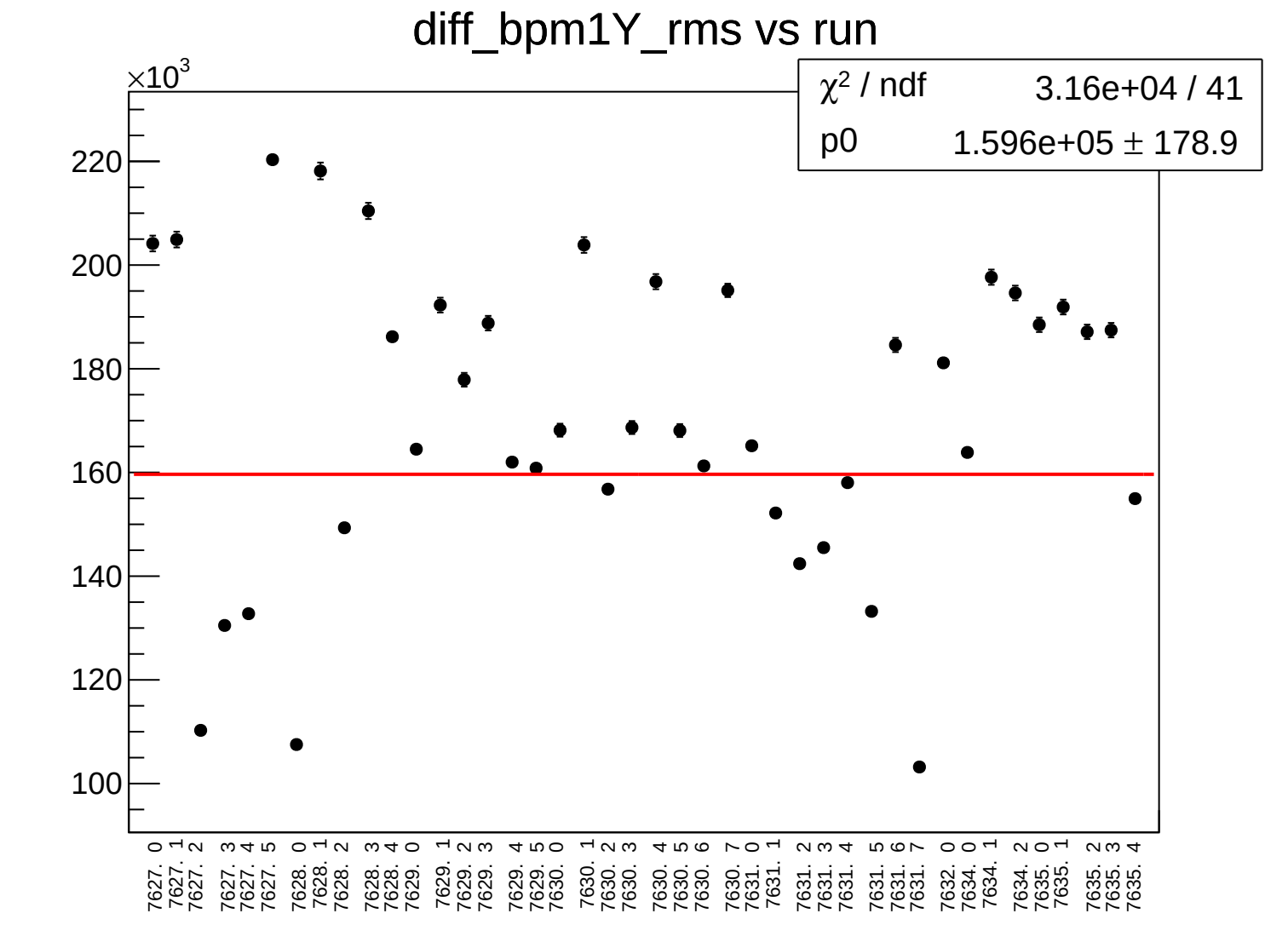

pull
Entries 42
Mean 163.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

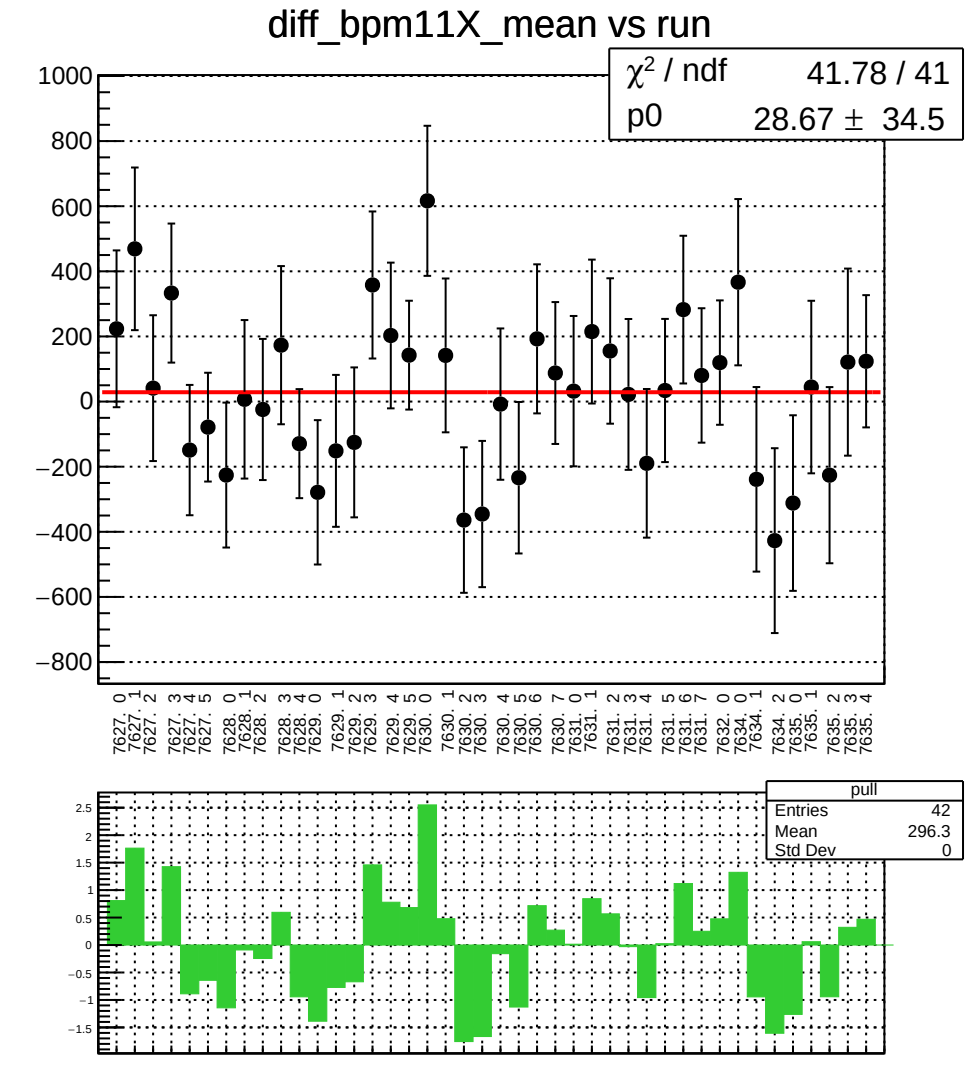

pull1D
Entries 42
Mean −0.00727
Std Dev 0.8044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

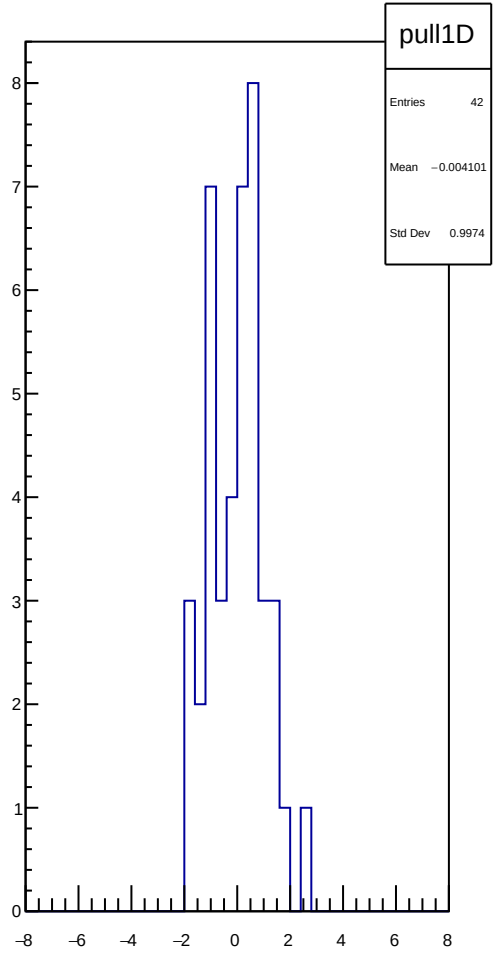

diff_bpm1X_rms vs run
χ² / ndf 5743 / 41
p0 2.393e+04 ± 26.39
30000
28000
26000
24000
22000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

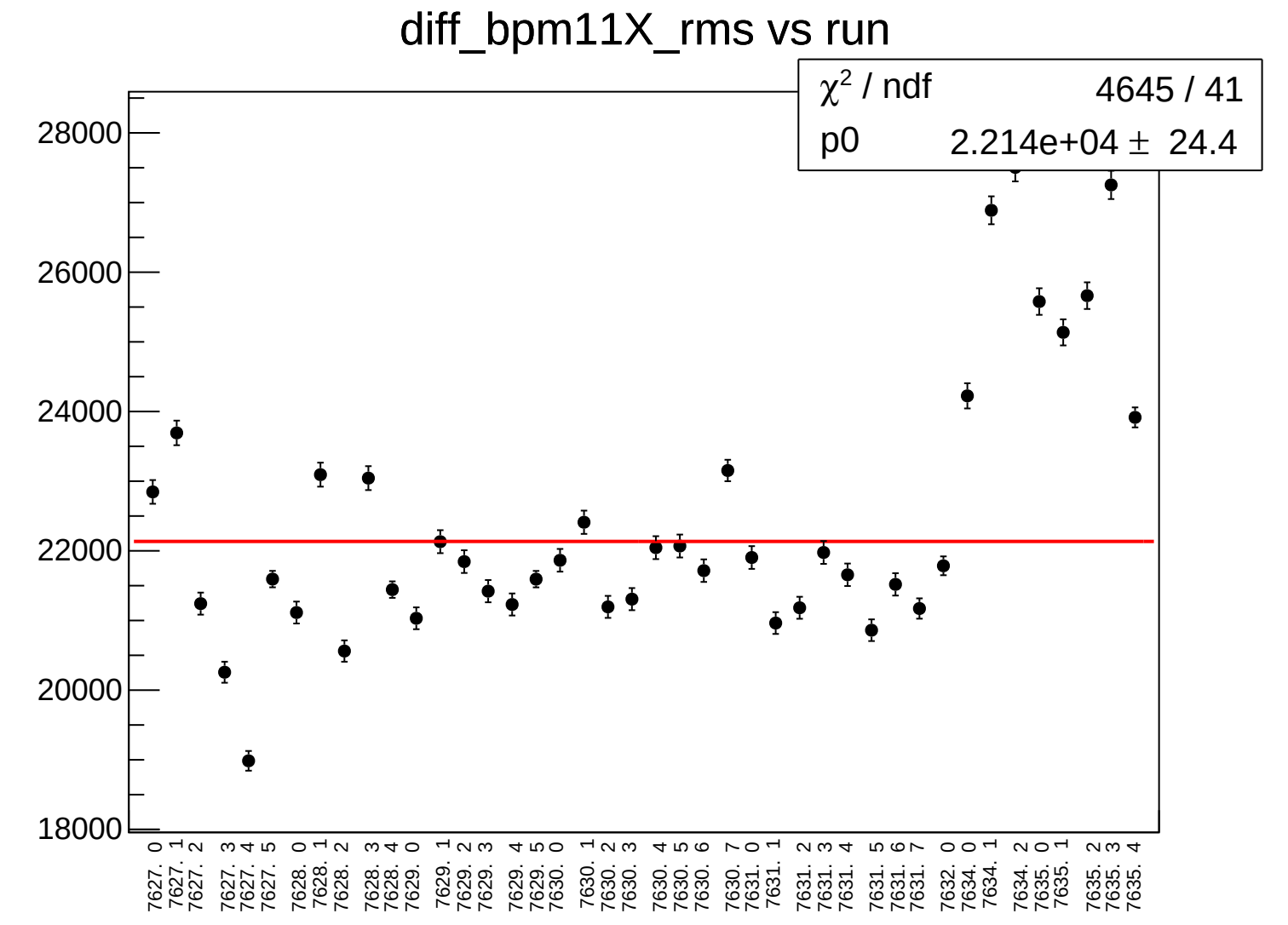

diff_bpm1Y_mean vs run
χ² / ndf 45.39 / 41
p0 −486.6 ± 253
6000
4000
2000
0
−2000
−4000
−6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.39
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

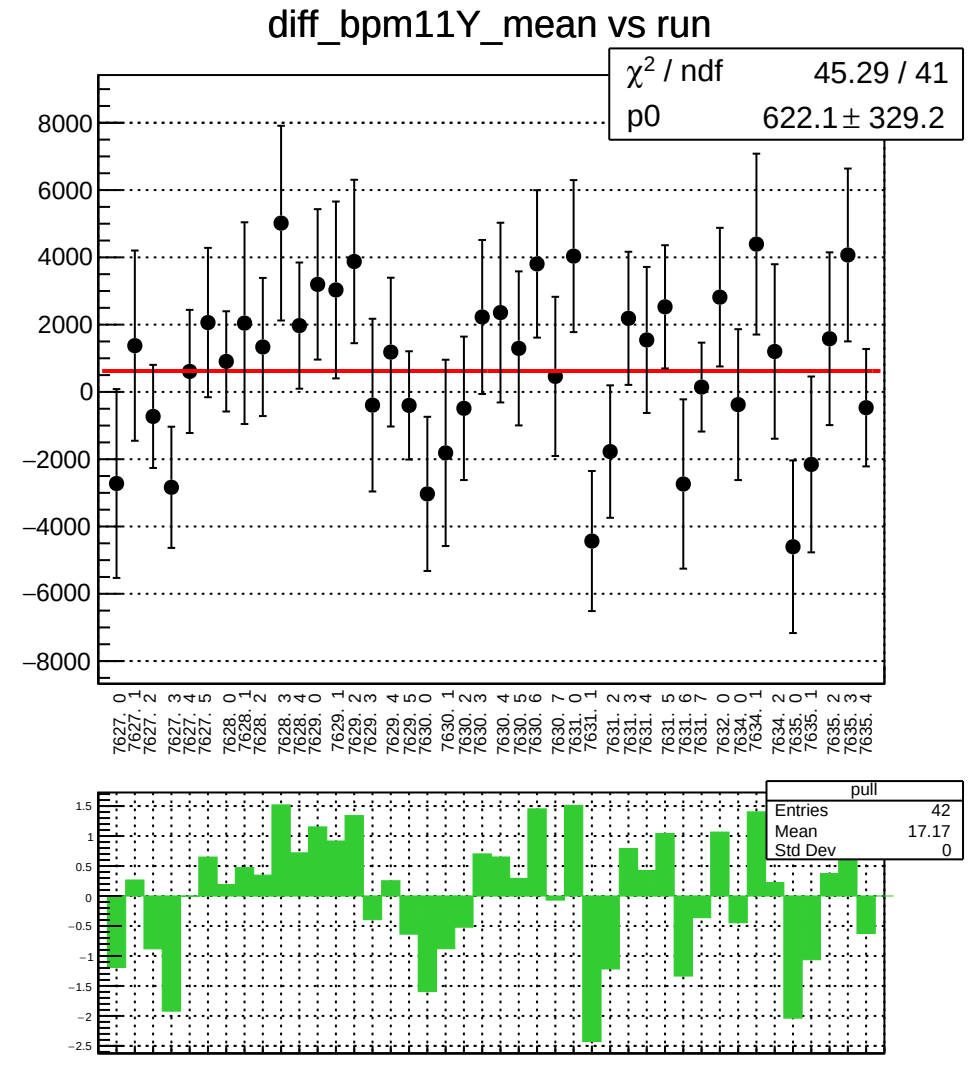

pull1D
Entries 42
Mean −0.0365
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

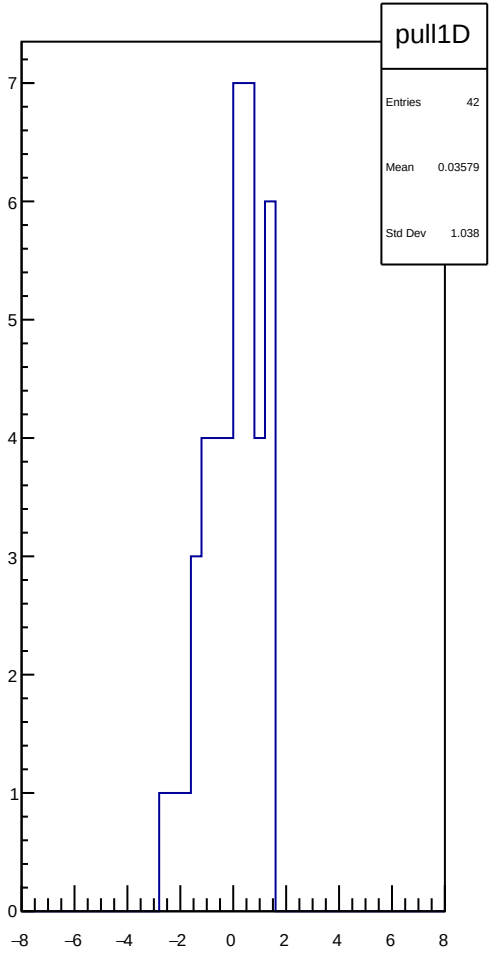

diff_bpm1Y_rms vs run
×10^3
χ² / ndf 3.16e+04 / 41
p0 1.596e+05 ± 178.9
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

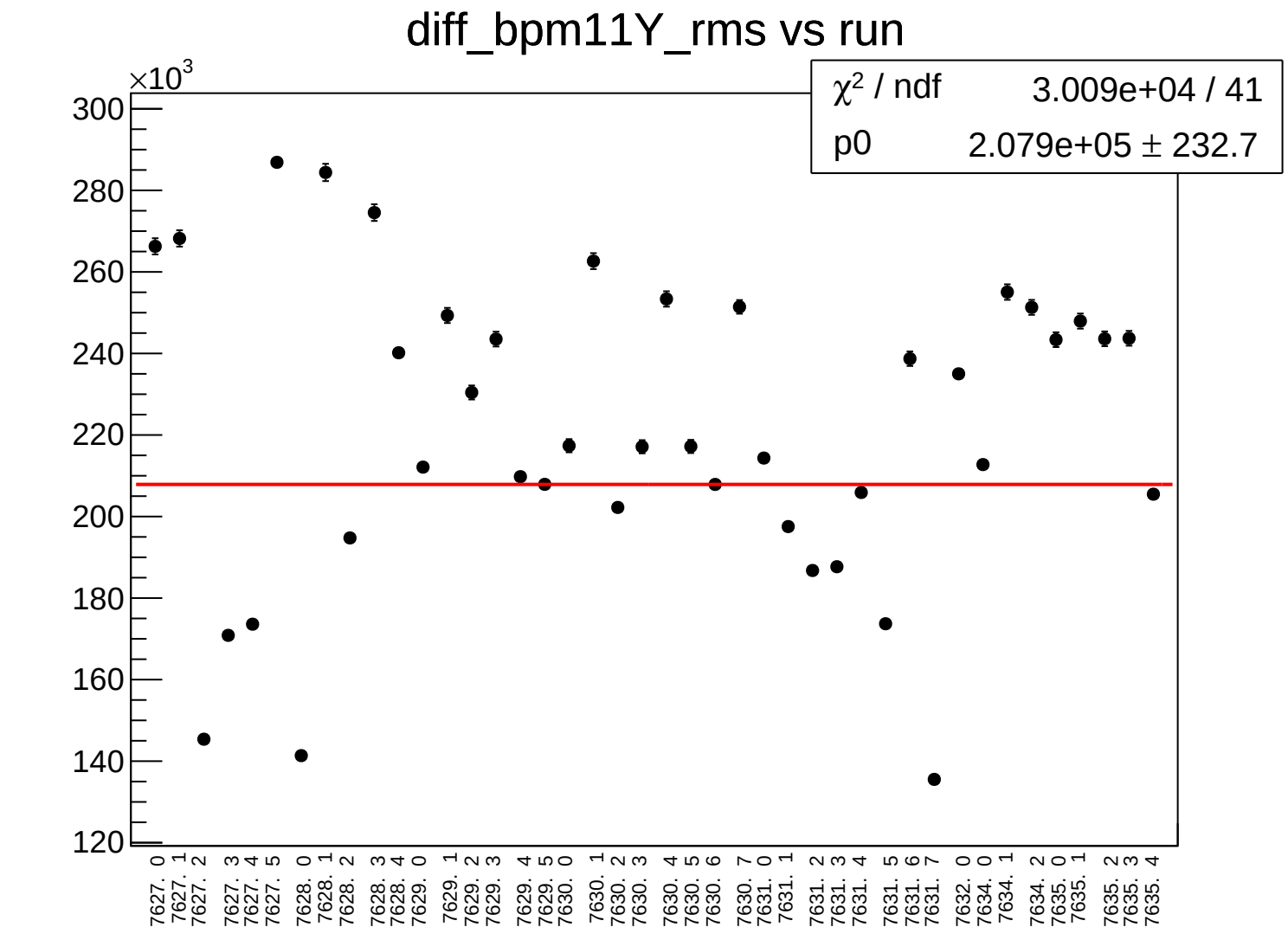

diff_bpm11X_mean vs run
χ² / ndf 41.78 / 41
p0 28.67 ± 34.5
pull
Entries 42
Mean 296.3
Std Dev 0

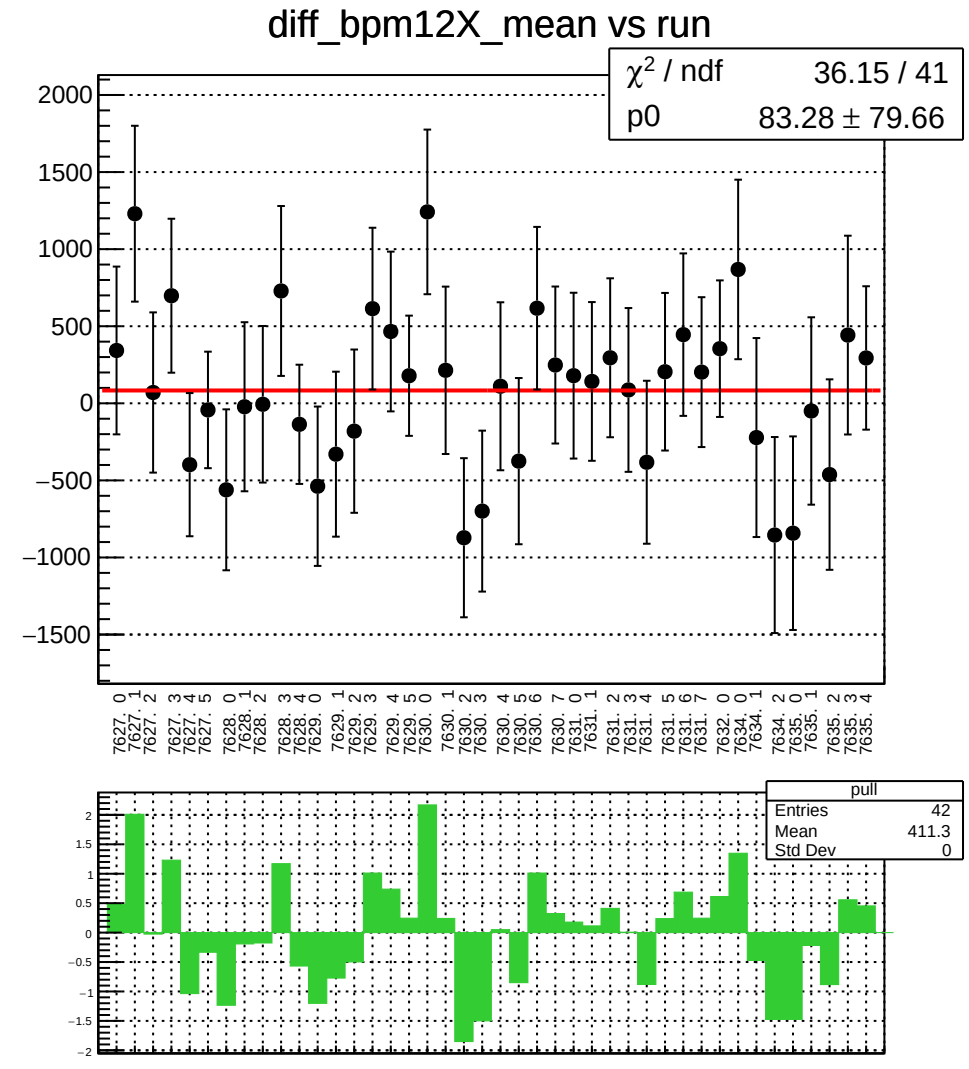

pull1D
Entries 42
Mean −0.004101
Std Dev 0.9974

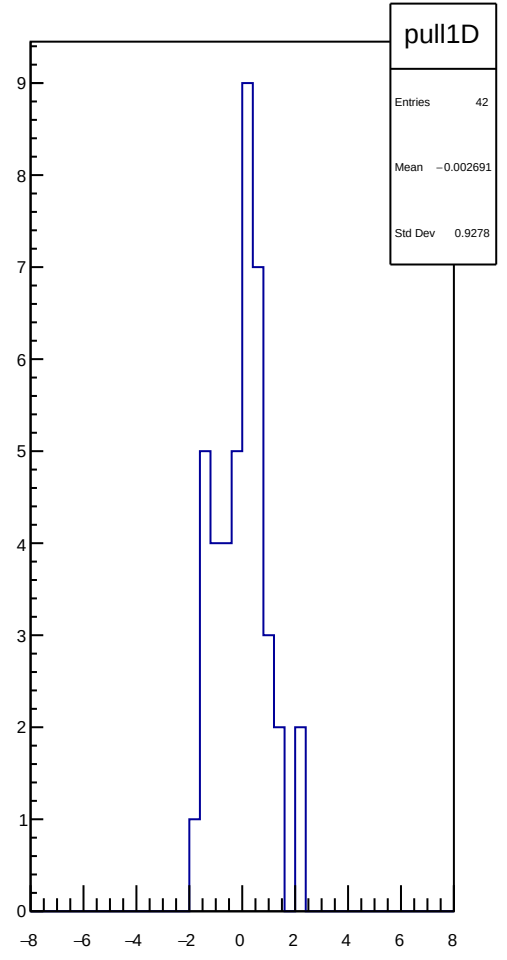

diff_bpm11X_rms vs run
χ² / ndf 4645 / 41
p0 2.214e+04 ± 24.4
28000
26000
24000
22000
20000
18000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

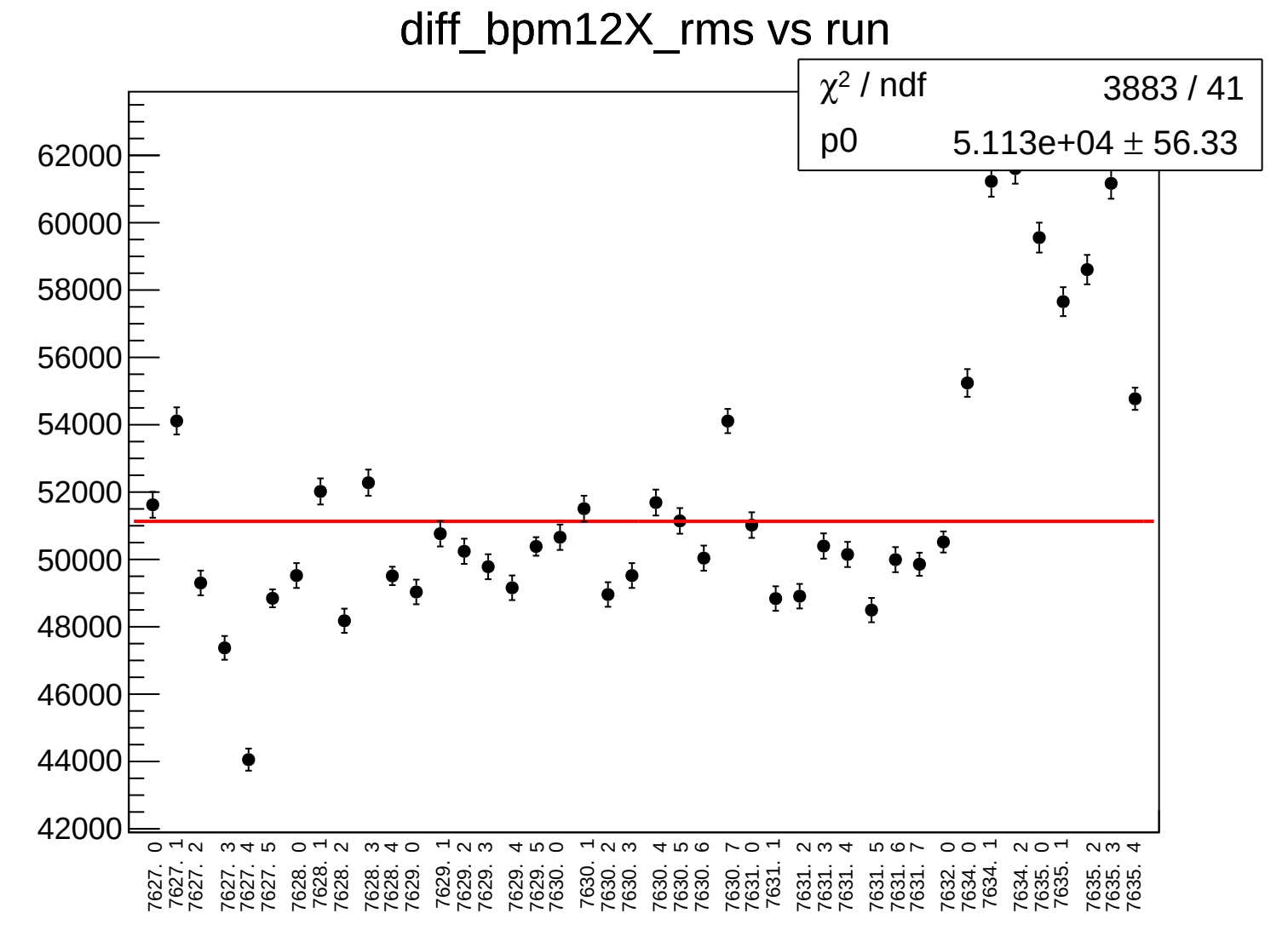

diff_bpm11Y_mean vs run
χ² / ndf 45.29 / 41
p0 622.1 ± 329.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

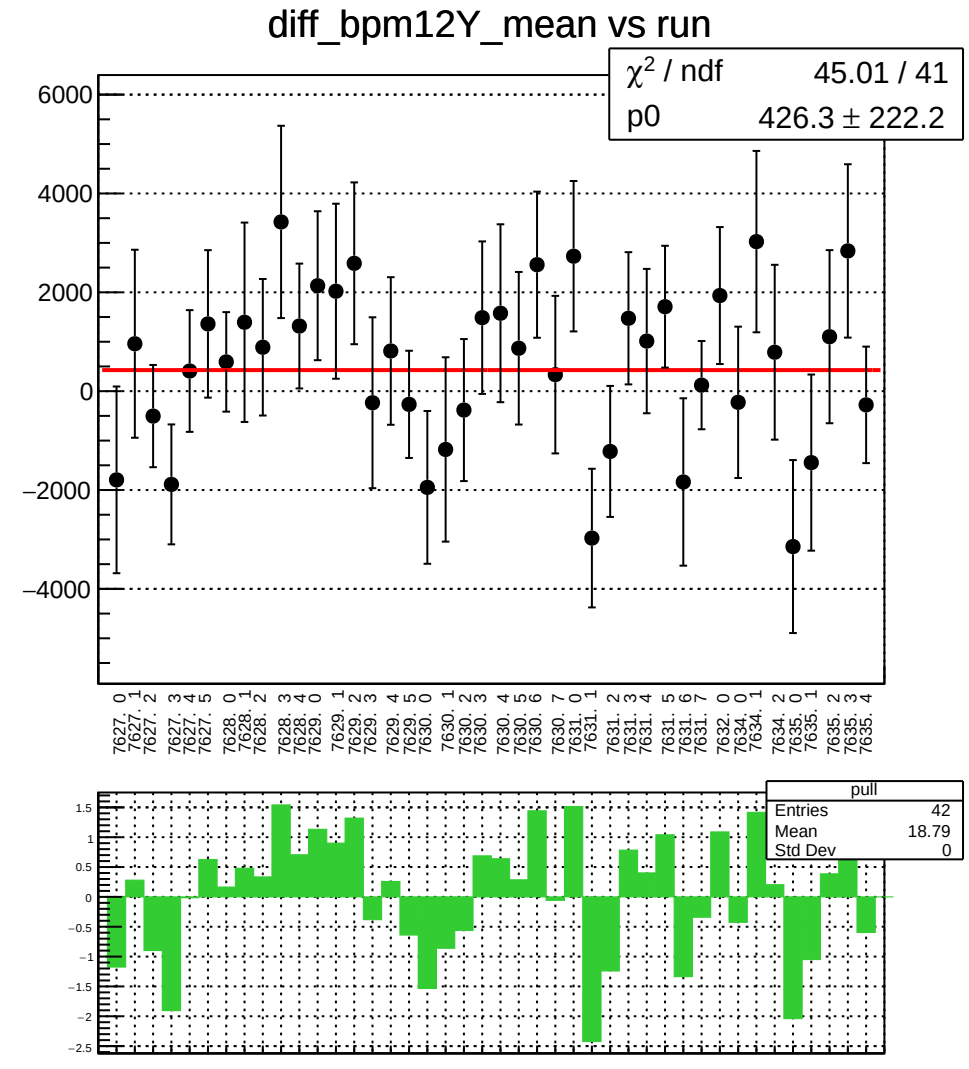

pull1D
Entries 42
Mean 0.03579
Std Dev 1.038
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

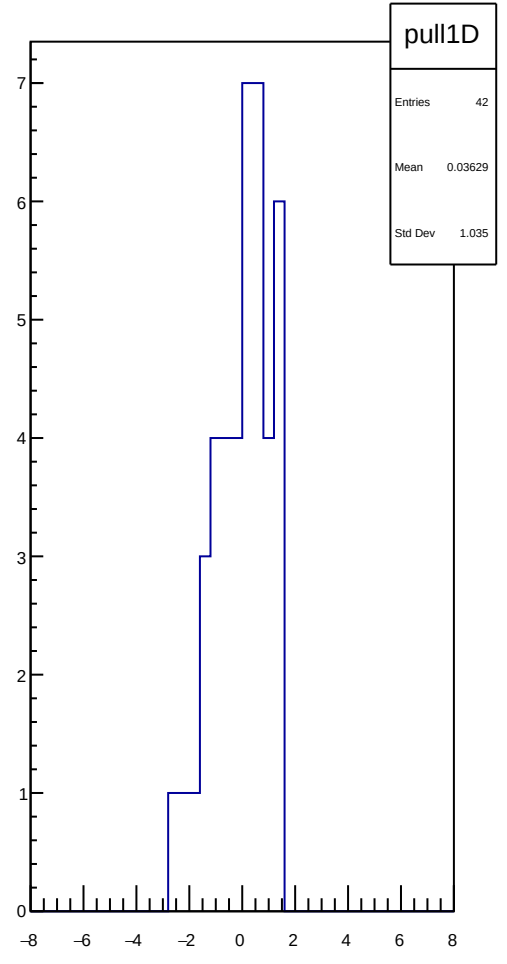

diff_bpm11Y_rms vs run
×10^3
χ² / ndf 3.009e+04 / 41
p0 2.079e+05 ± 232.7
300
280
260
240
220
200
180
160
140
120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

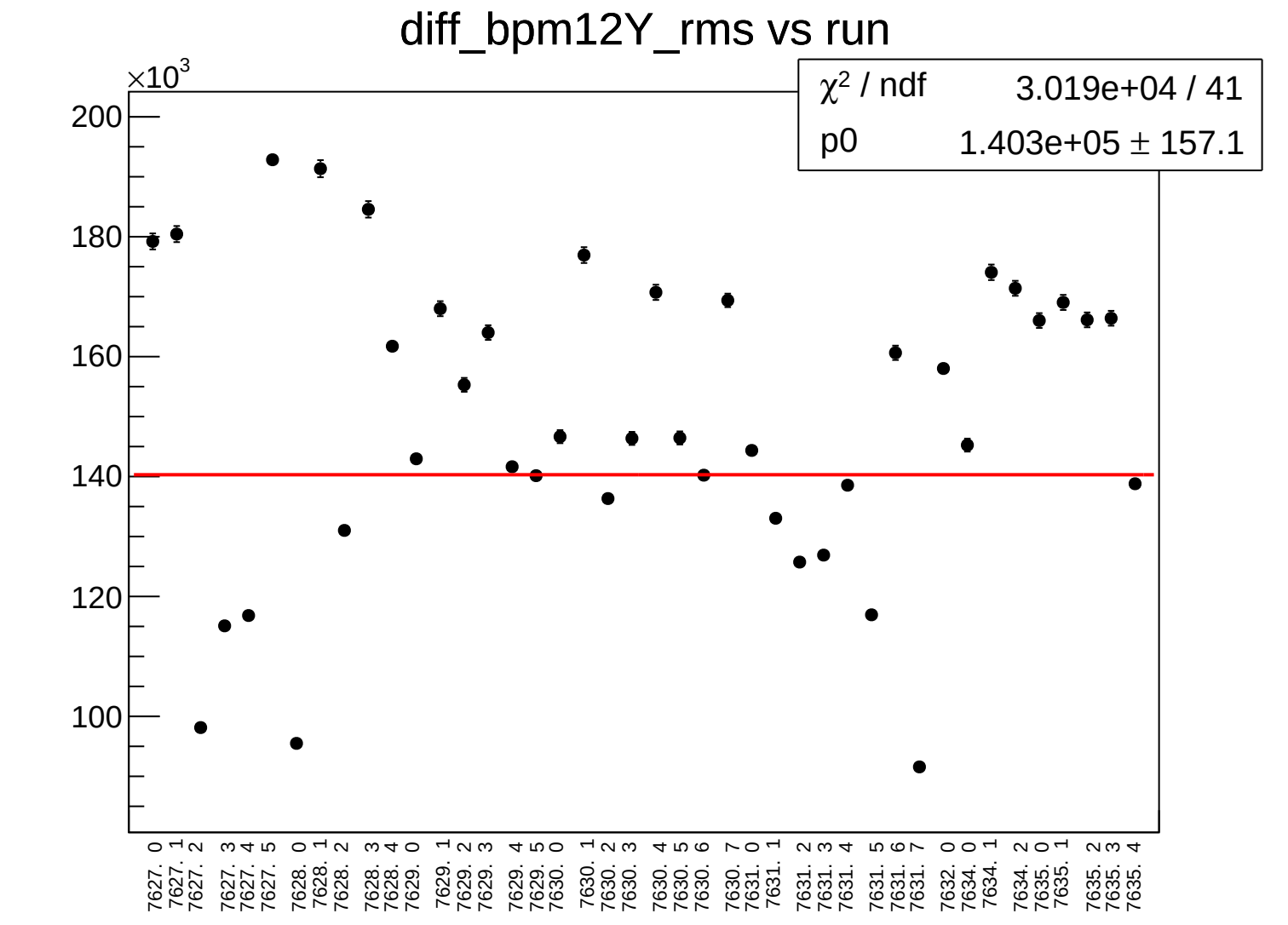

diff_bpm12X_mean vs run
χ² / ndf 36.15 / 41
p0 83.28 ± 79.66
2000
1500
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 411.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

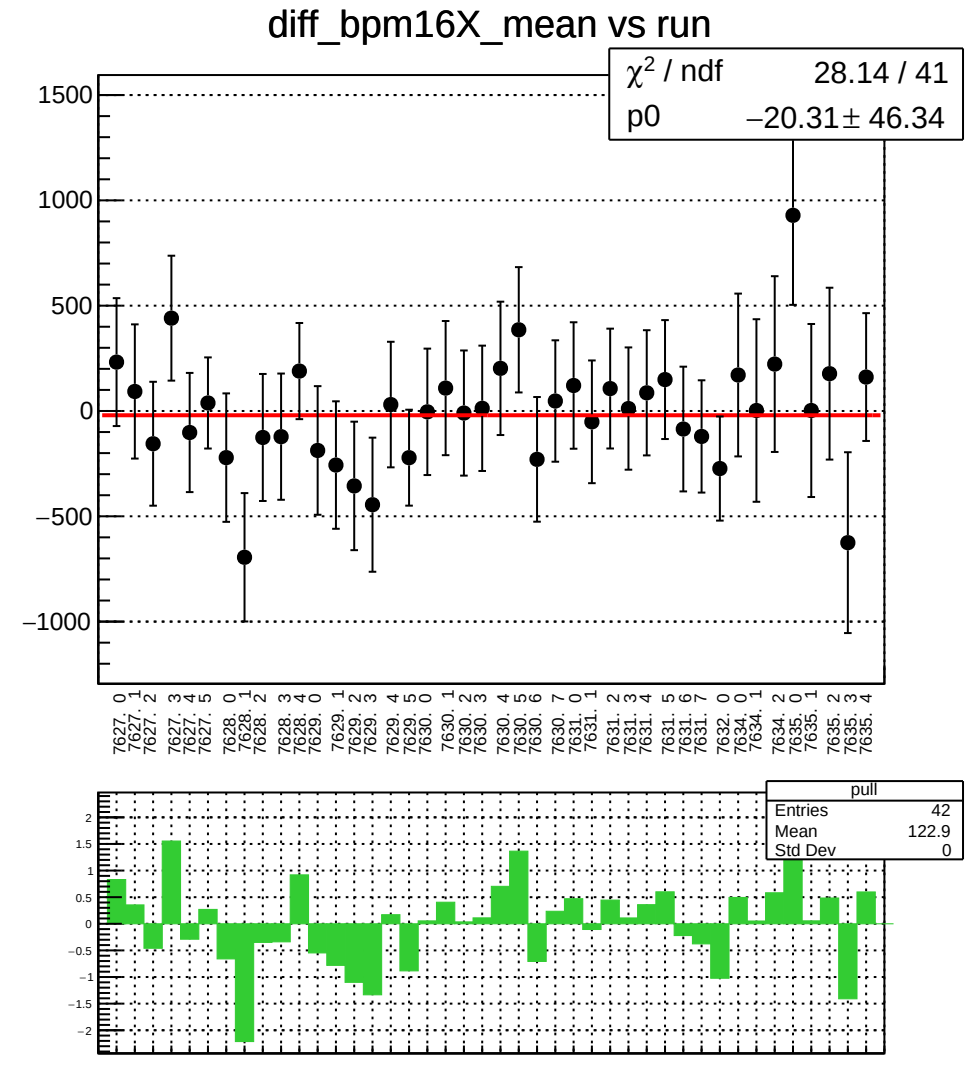

pull1D
Entries 42
Mean −0.002691
Std Dev 0.9278
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

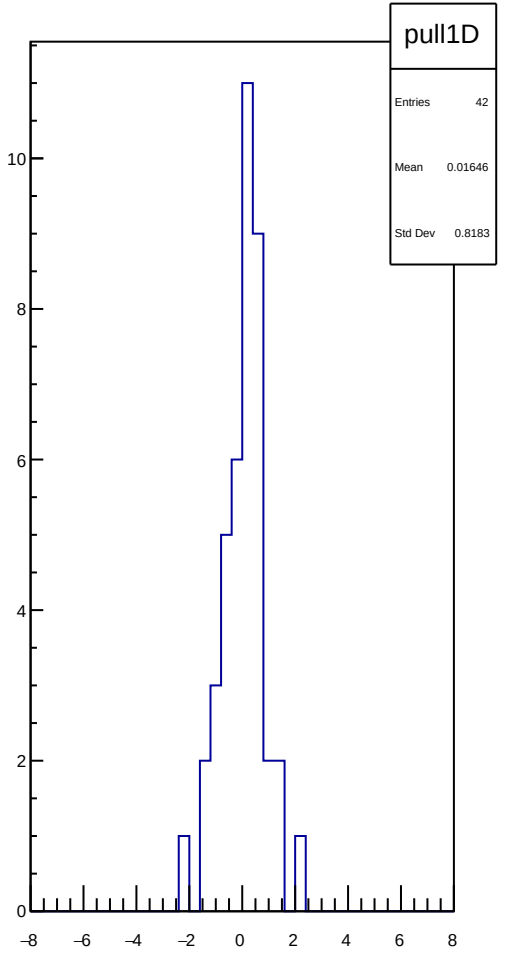

diff_bpm12X_rms vs run
χ² / ndf 3883 / 41
p0 5.113e+04 ± 56.33
62000
60000
58000
56000
54000
52000
50000
48000
46000
44000
42000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

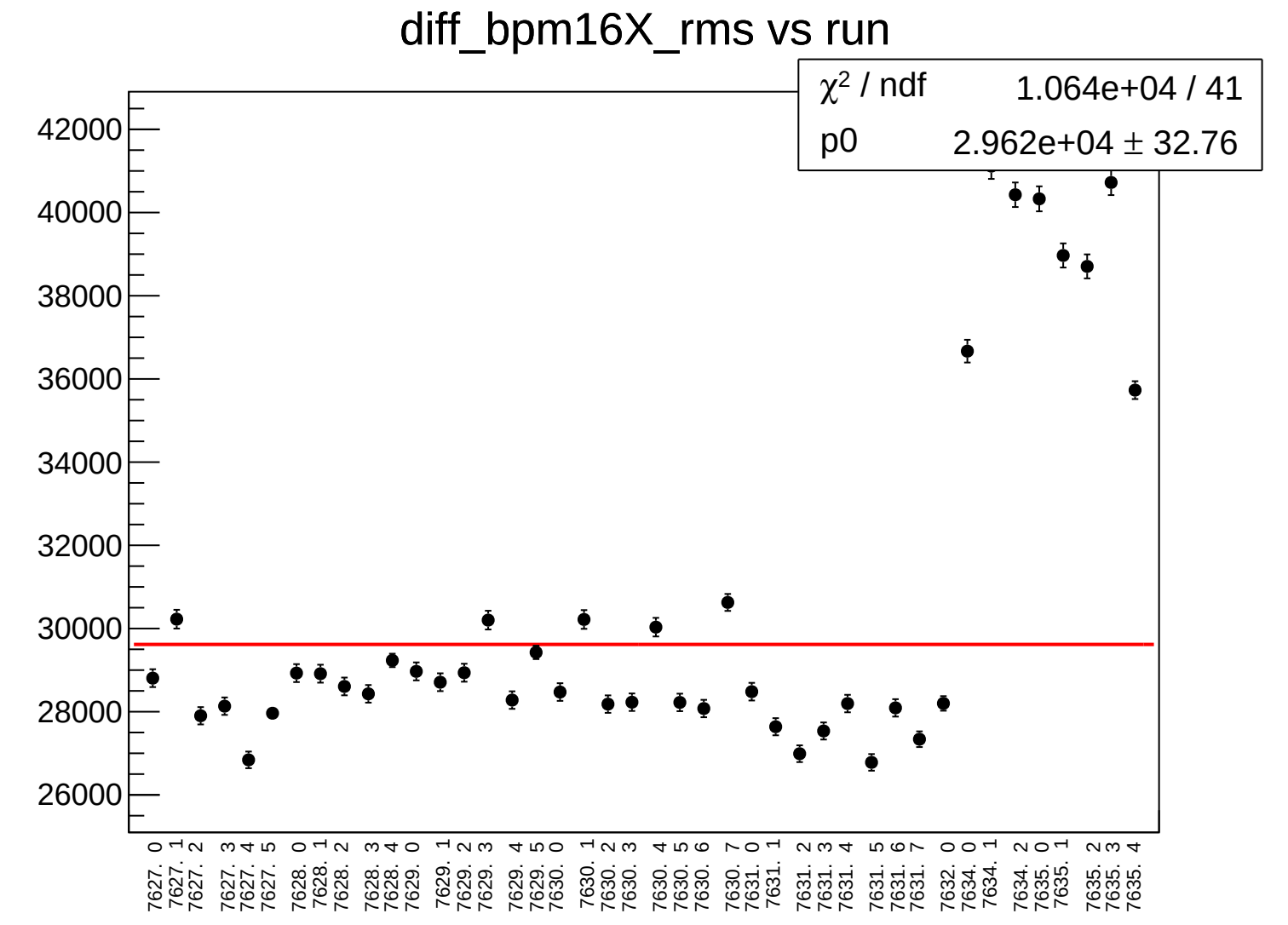

diff_bpm12Y_mean vs run
χ² / ndf 45.01 / 41
p0 426.3 ± 222.2
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

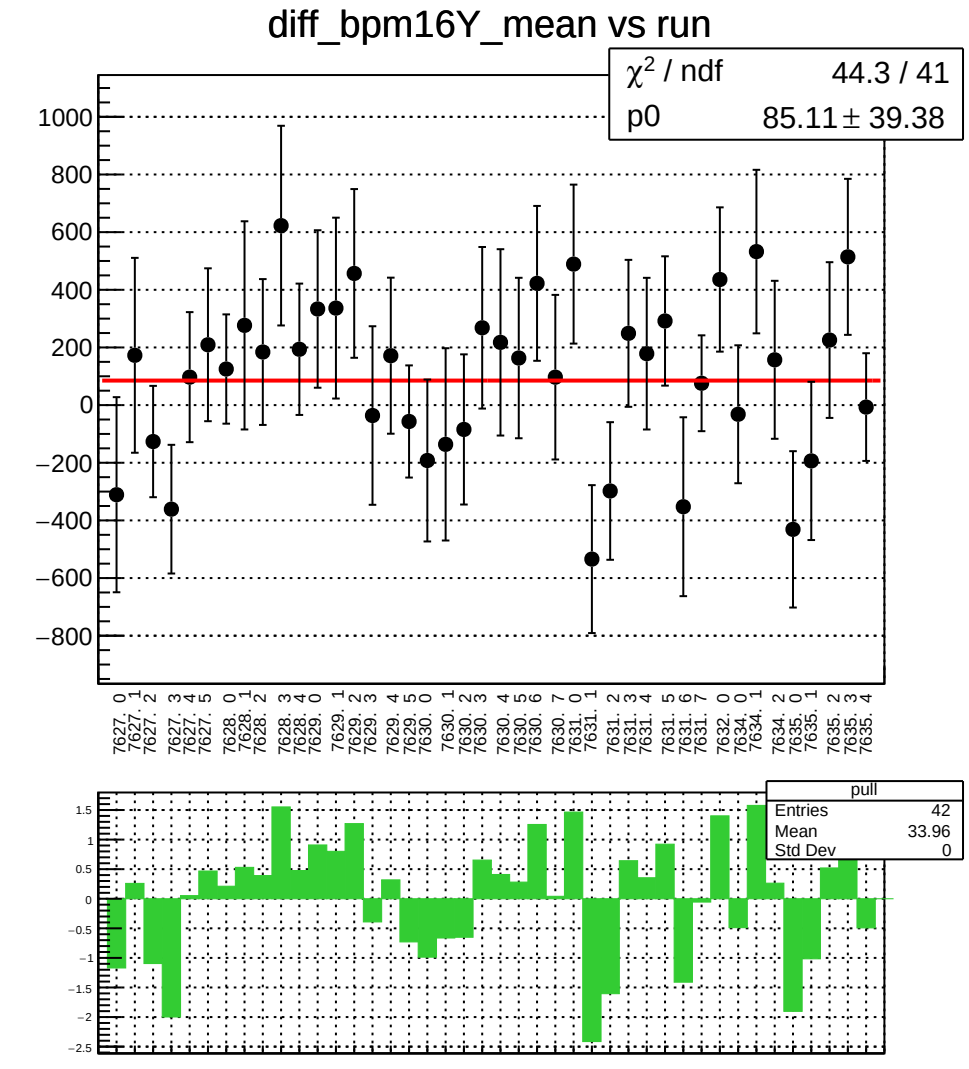

pull1D
Entries 42
Mean 0.03629
Std Dev 1.035
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

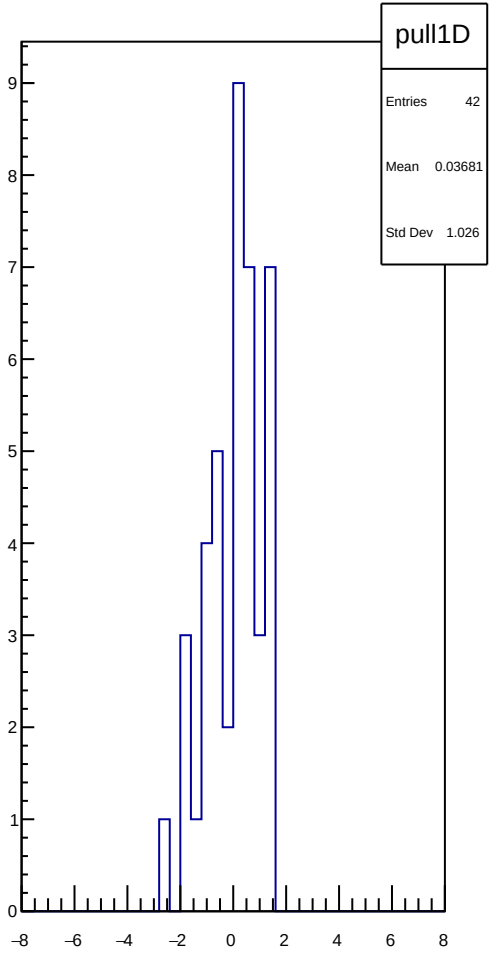

diff_bpm12Y_rms vs run
×10^3
χ² / ndf 3.019e+04 / 41
p0 1.403e+05 ± 157.1
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

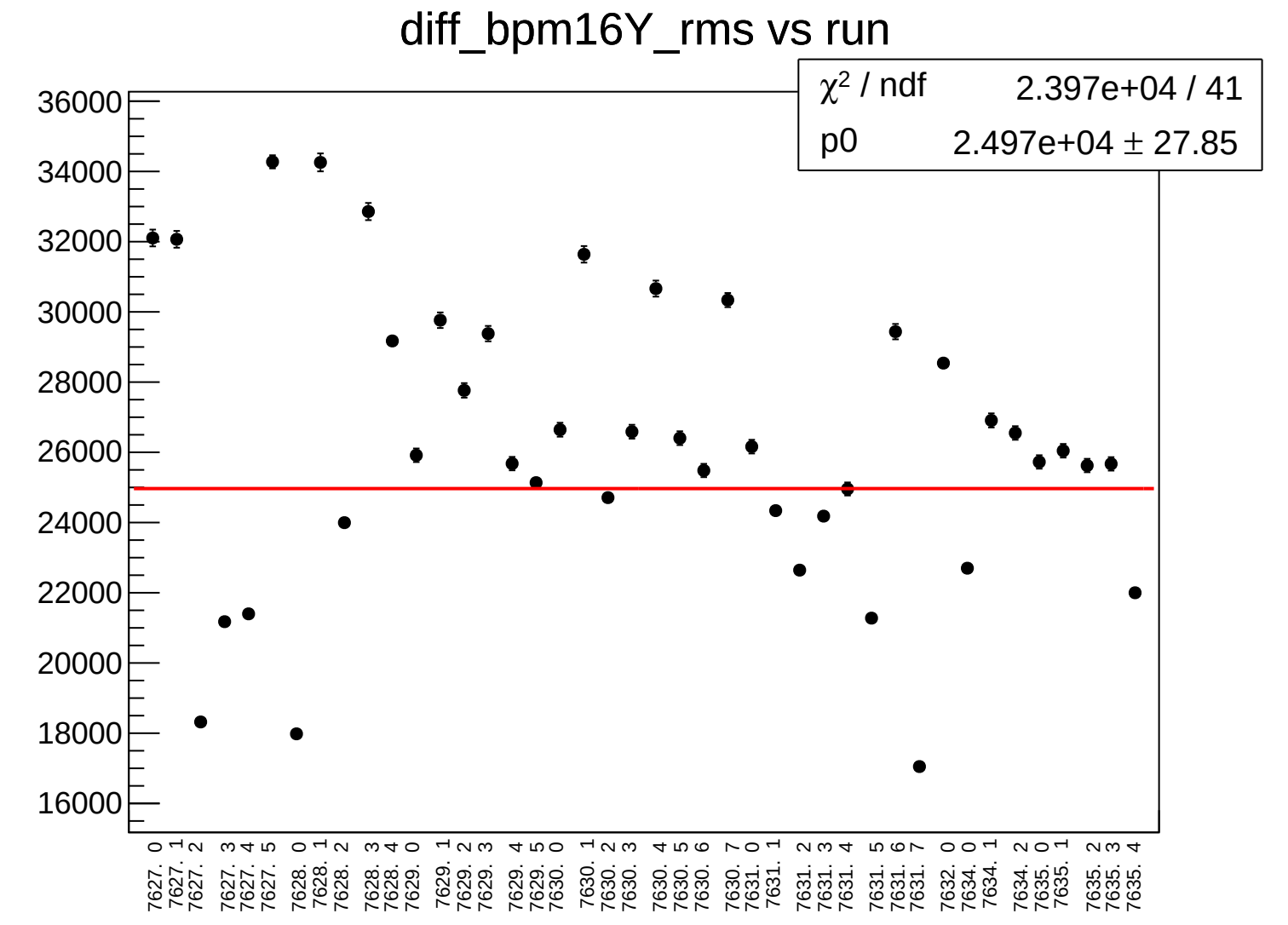

diff_bpm16X_mean vs run
χ² / ndf 28.14 / 41
p0 −20.31 ± 46.34
1500
1000
500
0
−500
−1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 122.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

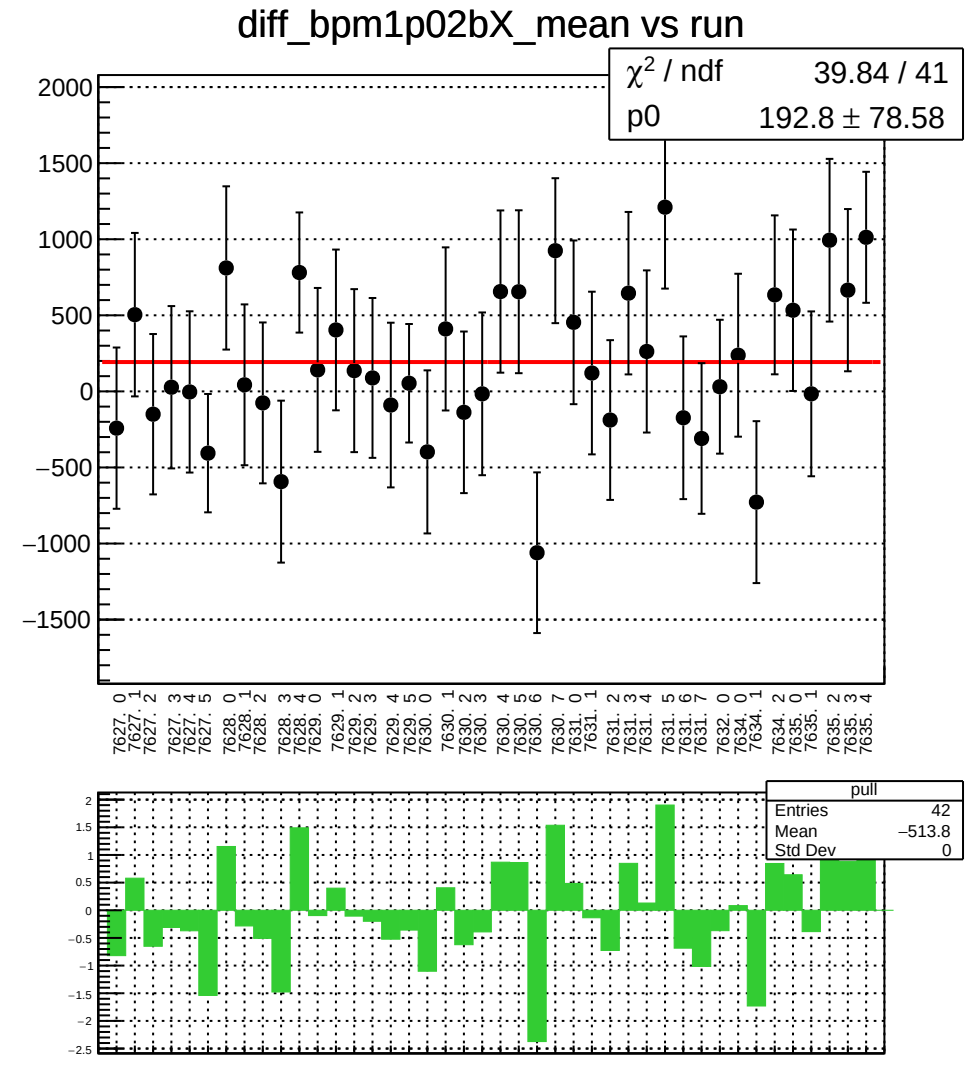

pull1D
Entries 42
Mean 0.01646
Std Dev 0.8183
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

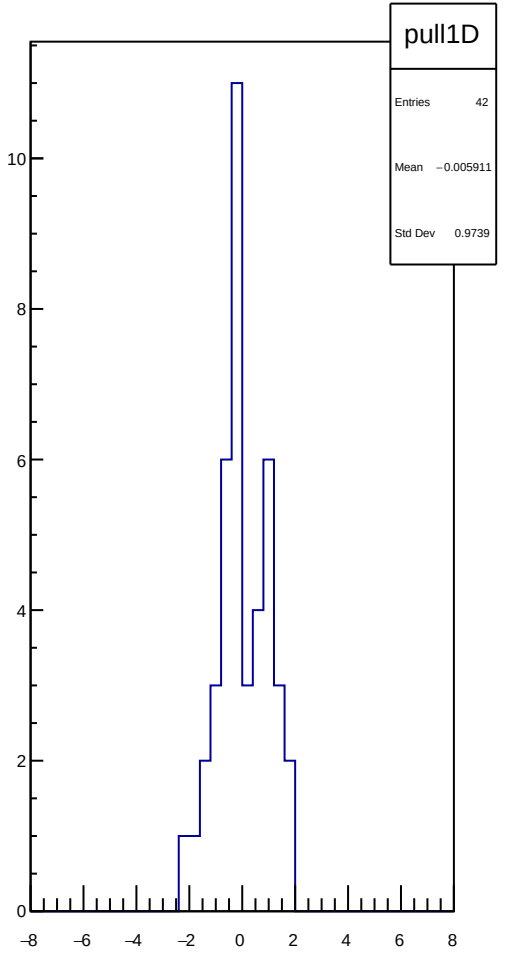

diff_bpm16X_rms vs run
χ² / ndf 1.064e+04 / 41
p0 2.962e+04 ± 32.76
42000
40000
38000
36000
34000
32000
30000
28000
26000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

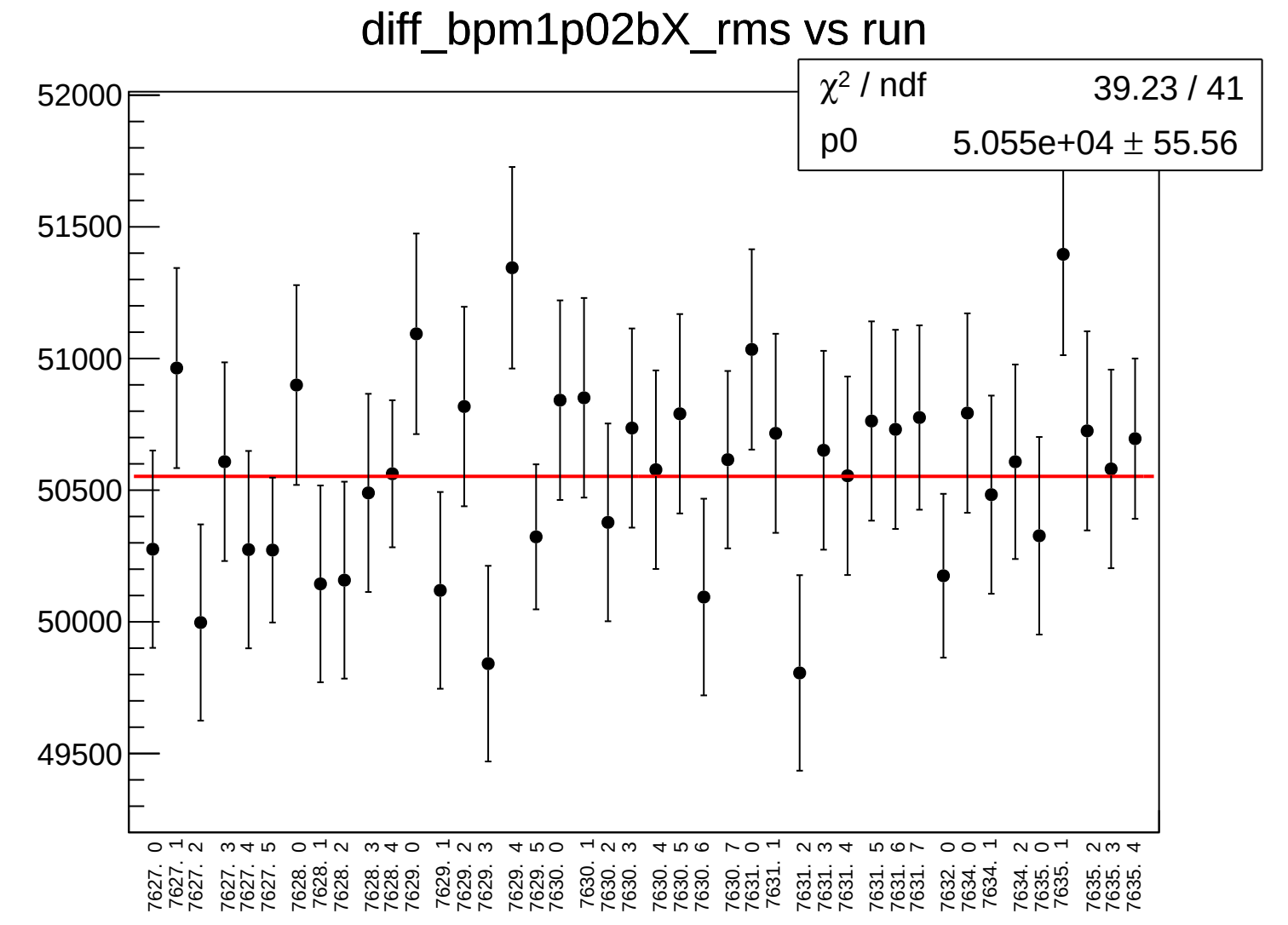

diff_bpm16Y_mean vs run
χ² / ndf 44.3 / 41
p0 85.11 ± 39.38
pull
Entries 42
Mean 33.96
Std Dev 0

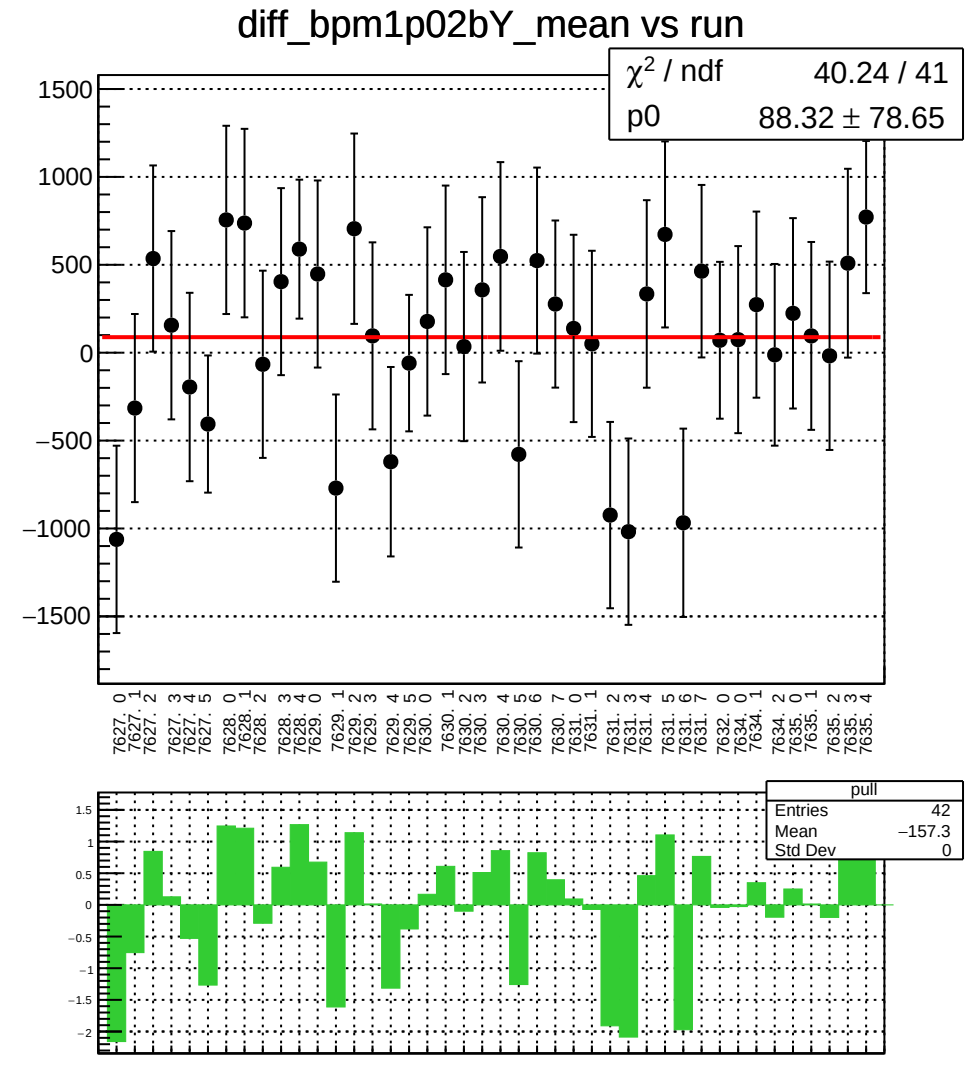

pull1D
Entries 42
Mean 0.03681
Std Dev 1.026

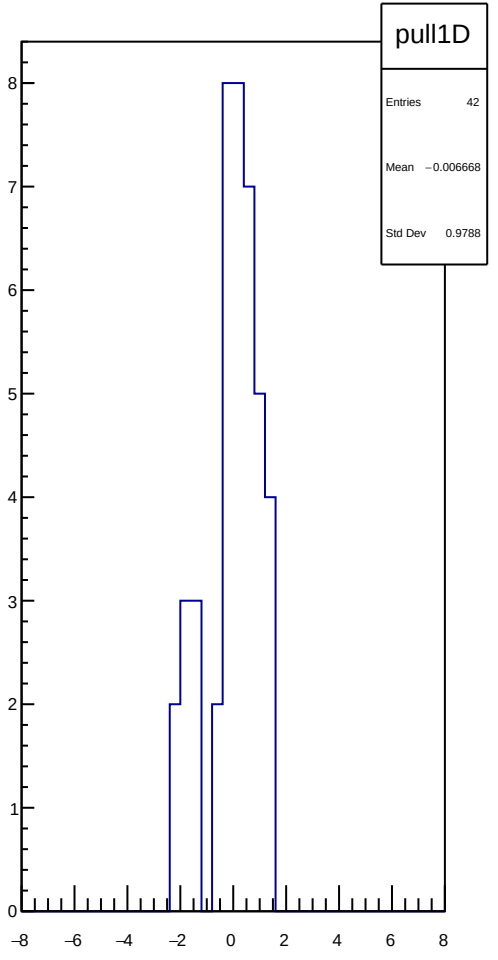

diff_bpm16Y_rms vs run
χ² / ndf 2.397e+04 / 41
p0 2.497e+04 ± 27.85
36000
34000
32000
30000
28000
26000
24000
22000
20000
18000
16000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

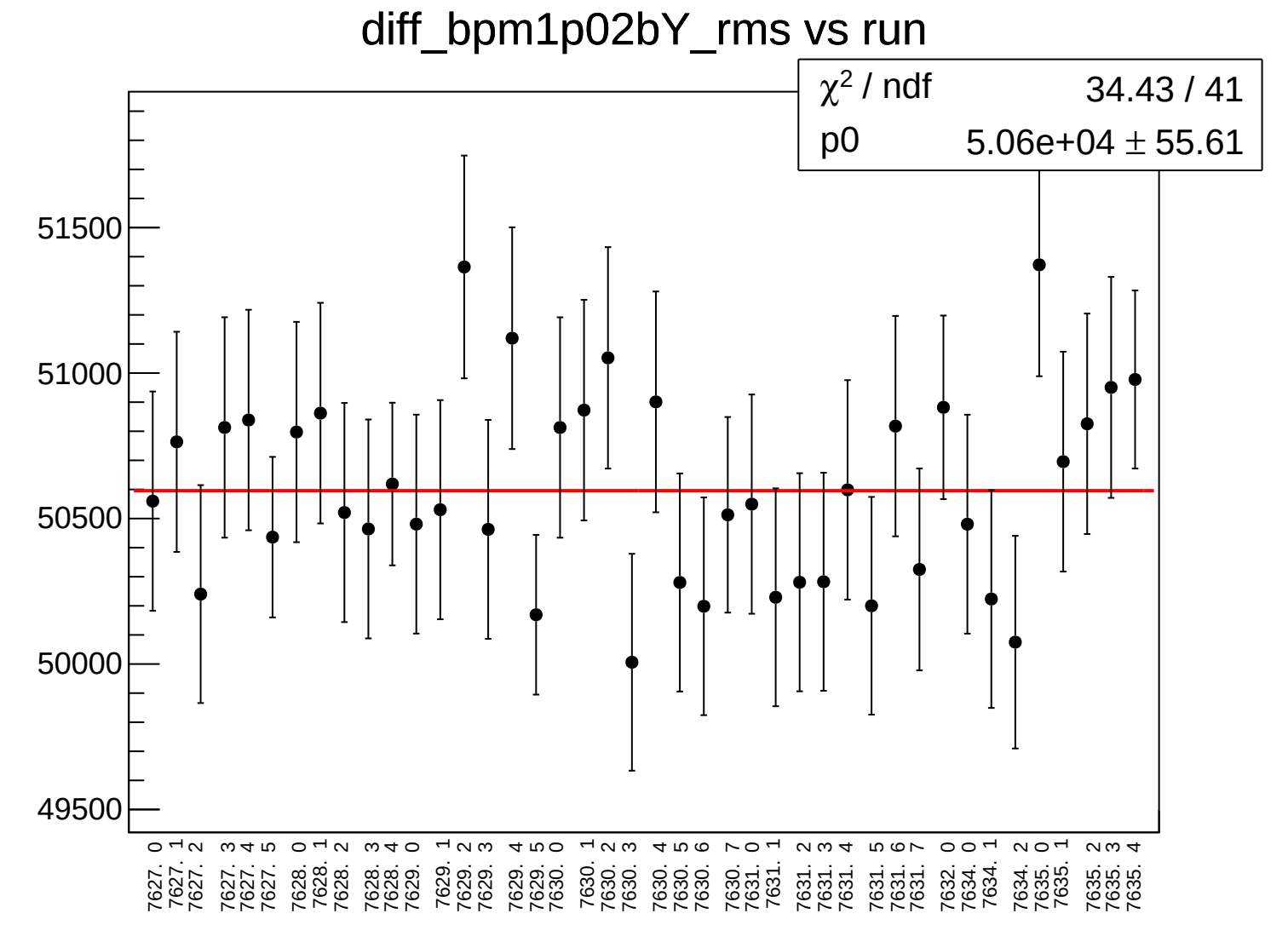

diff_bpm1p02bX_mean vs run
χ² / ndf 39.84 / 41
p0 192.8 ± 78.58
2000
1500
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −513.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

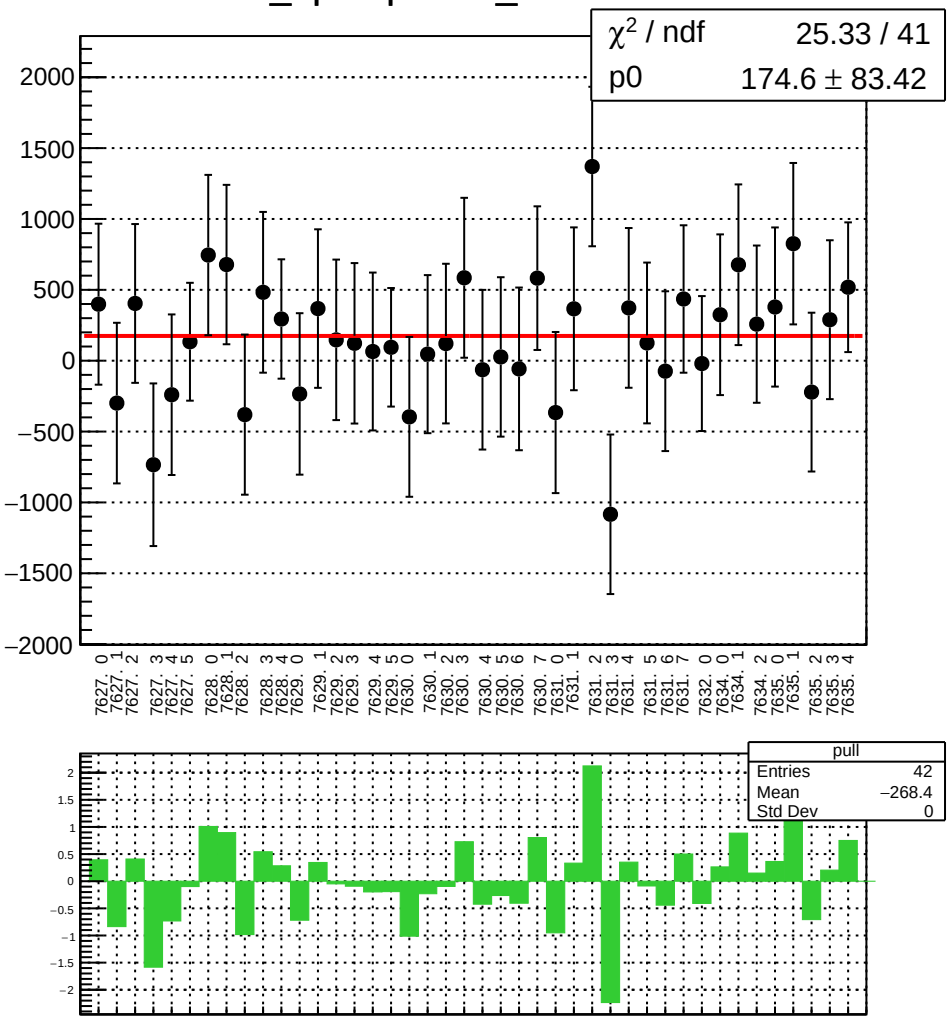

pull1D
Entries 42
Mean −0.005911
Std Dev 0.9739
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

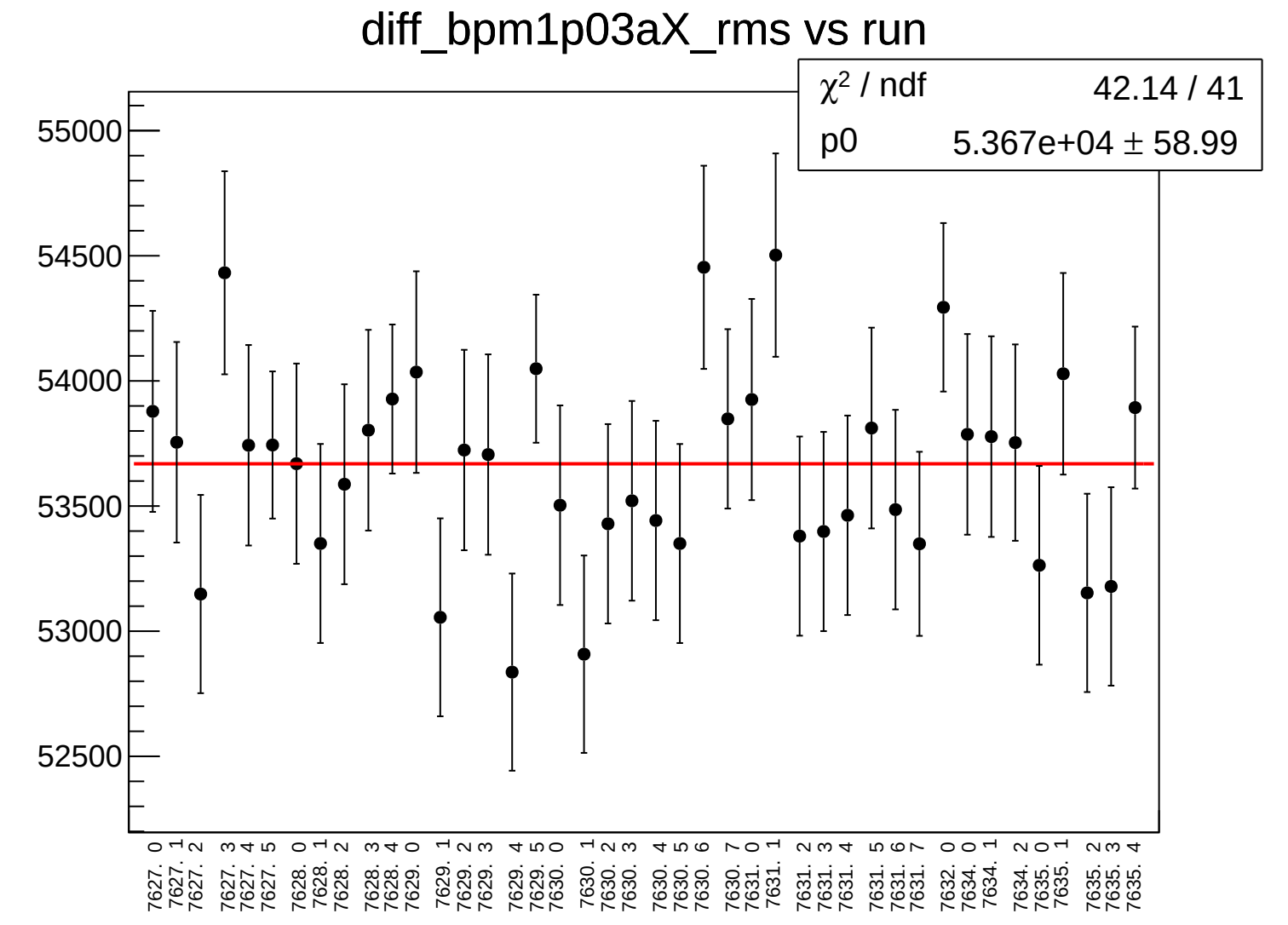

diff_bpm1p02bX_rms vs run
χ² / ndf 39.23 / 41
p0 5.055e+04 ± 55.56
52000
51500
51000
50500
50000
49500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

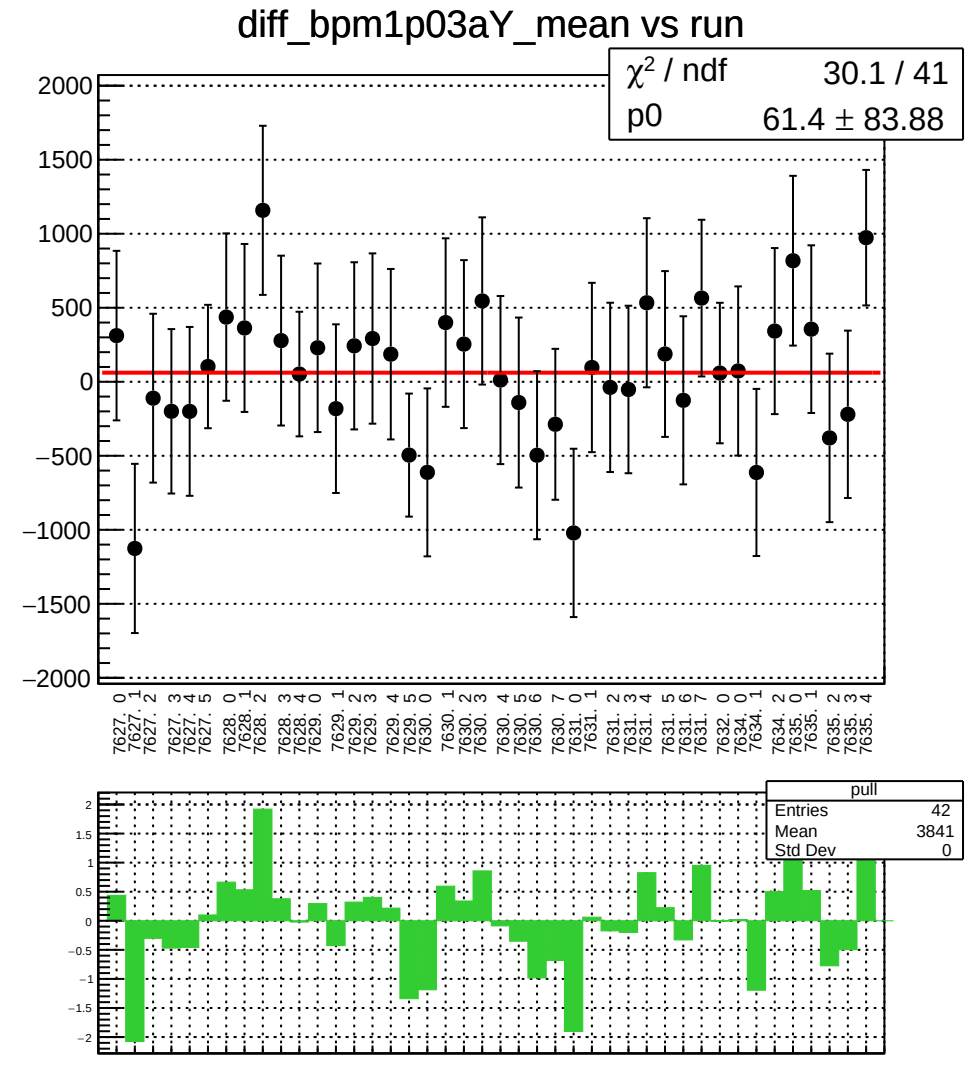

diff_bpm1p02bY_mean vs run
χ² / ndf 40.24 / 41
p0 88.32 ± 78.65
1500
1000
500
0
−500
−1000
−1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −157.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

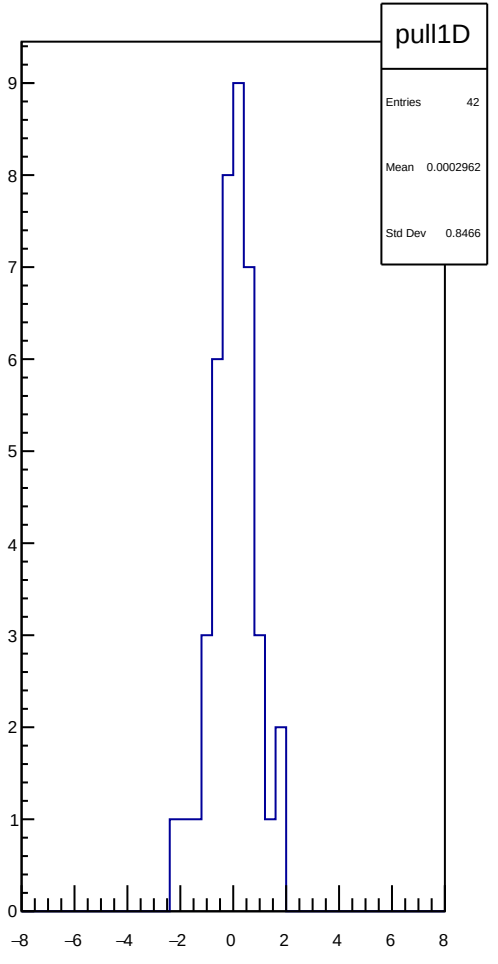

pull1D
Entries 42
Mean −0.006668
Std Dev 0.9788
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

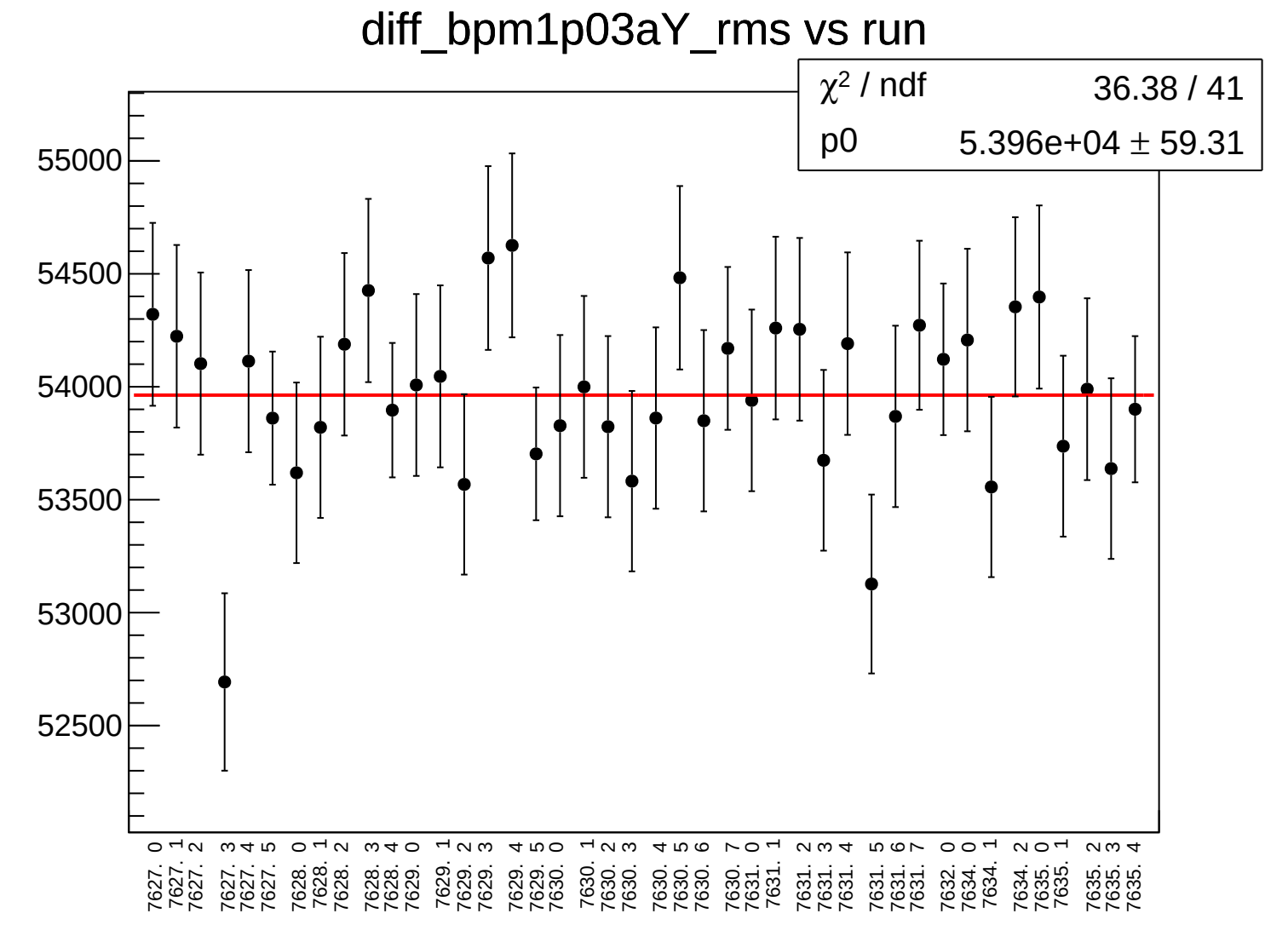

diff_bpm1p02bY_rms vs run
χ² / ndf 34.43 / 41
p0 5.06e+04 ± 55.61
51500
51000
50500
50000
49500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

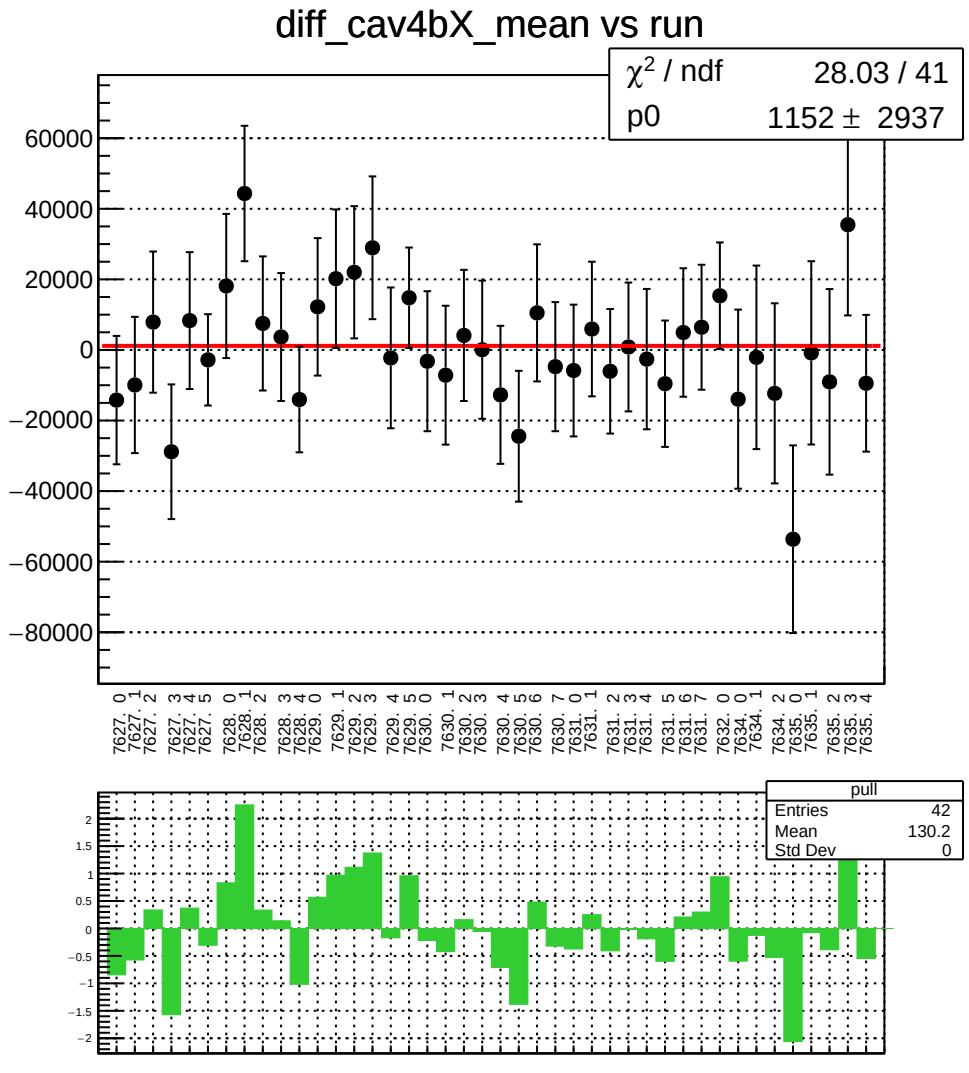

diff_bpm1p03aX_mean vs run
χ² / ndf 25.33 / 41
p0 174.6 ± 83.42
pull
Entries 42
Mean −268.4
Std Dev 0
pull1D
Entries 42
Mean −0.00609
Std Dev 0.7765

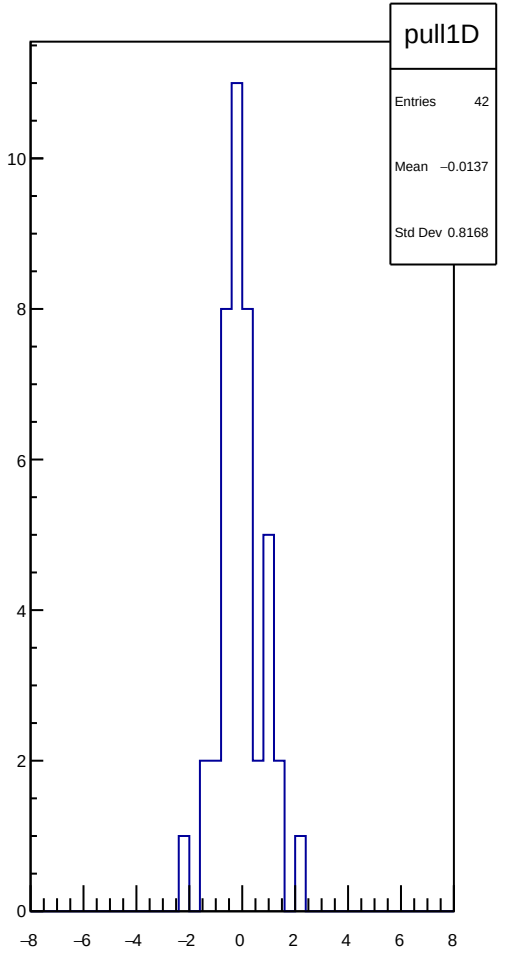

diff_bpm1p03aX_rms vs run
χ² / ndf 42.14 / 41
p0 5.367e+04 ± 58.99
55000
54500
54000
53500
53000
52500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

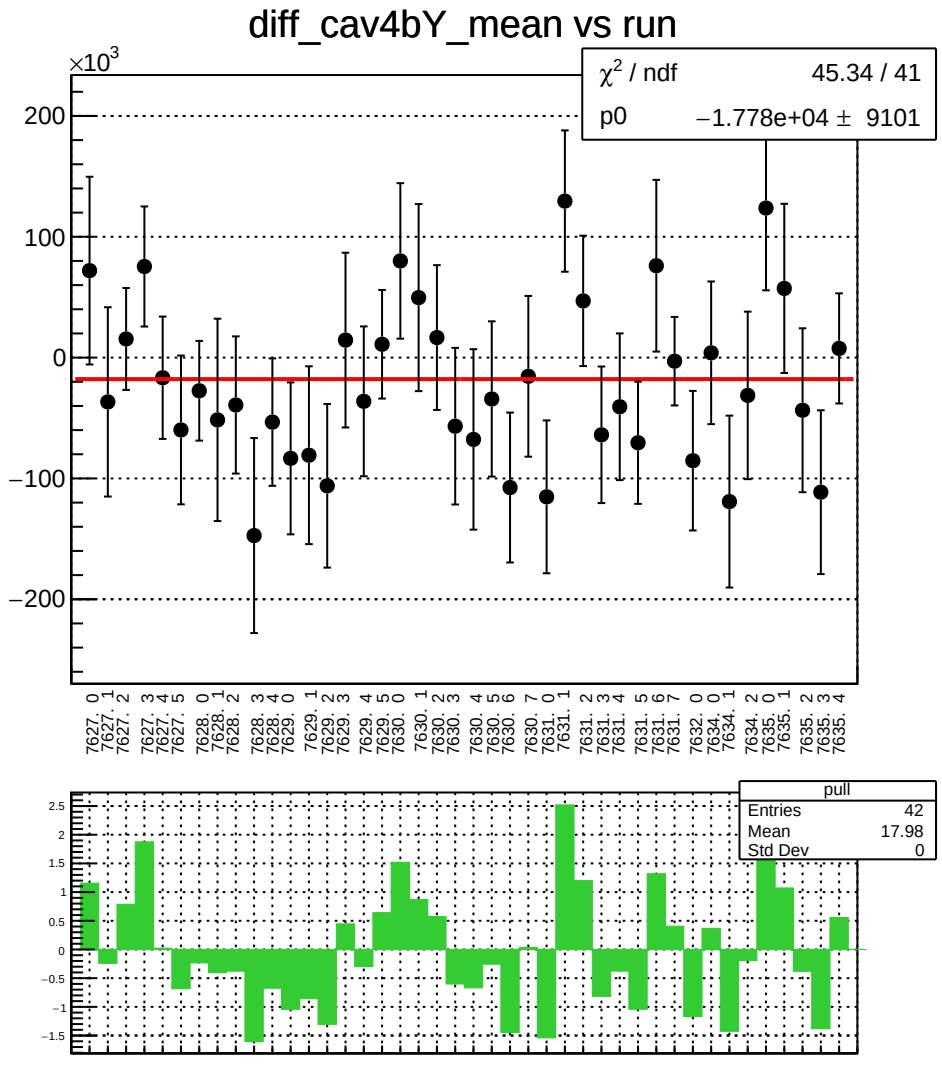

diff_bpm1p03aY_mean vs run
χ² / ndf 30.1 / 41
p0 61.4 ± 83.88
pull
Entries 42
Mean 3841
Std Dev 0

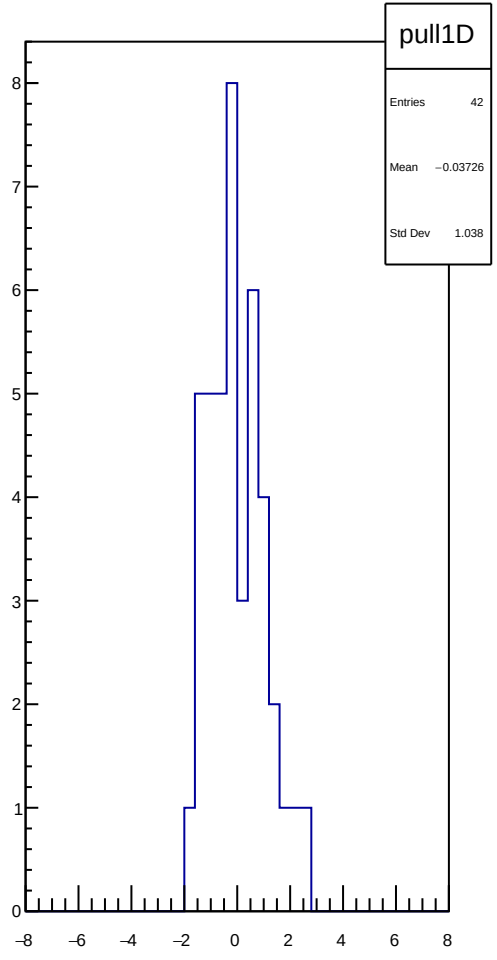

pull1D
Entries 42
Mean 0.0002962
Std Dev 0.8466

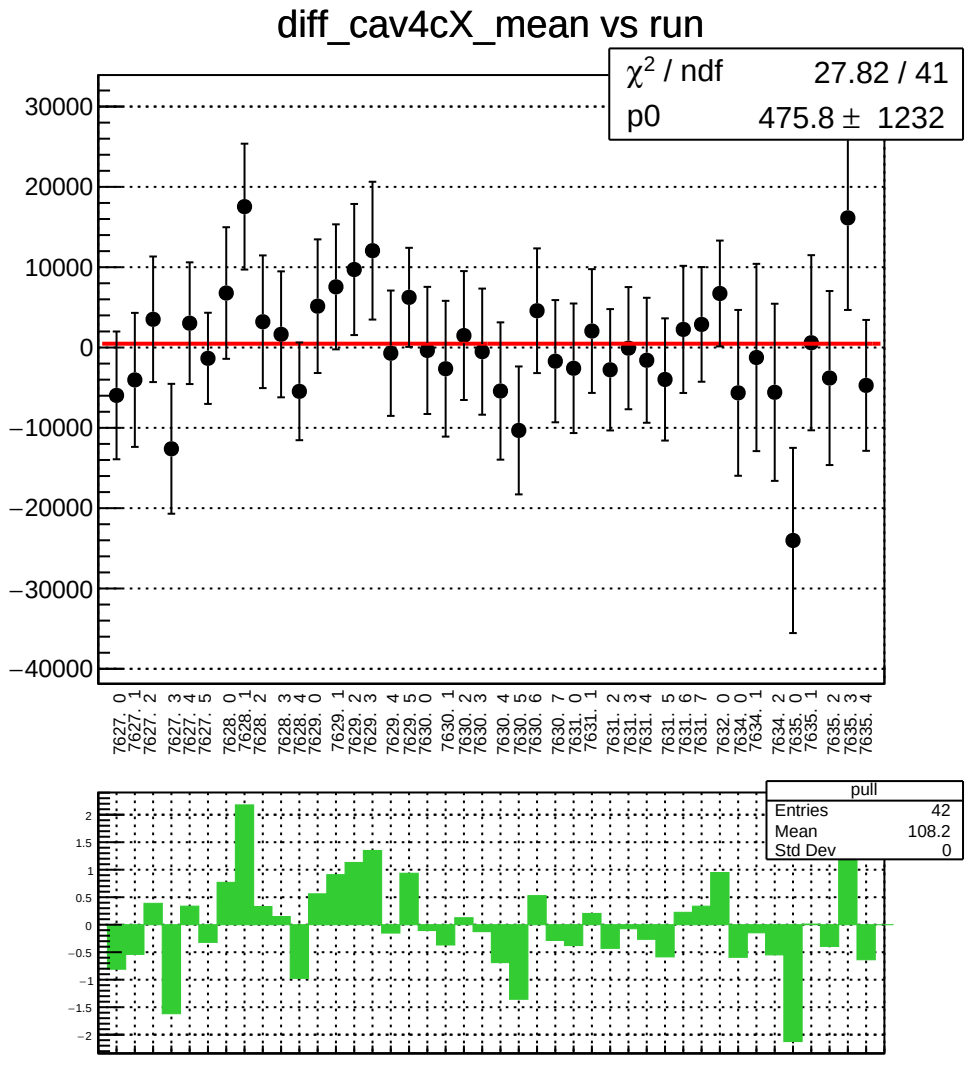

diff_bpm1p03aY_rms vs run
χ² / ndf 36.38 / 41
p0 5.396e+04 ± 59.31
55000
54500
54000
53500
53000
52500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

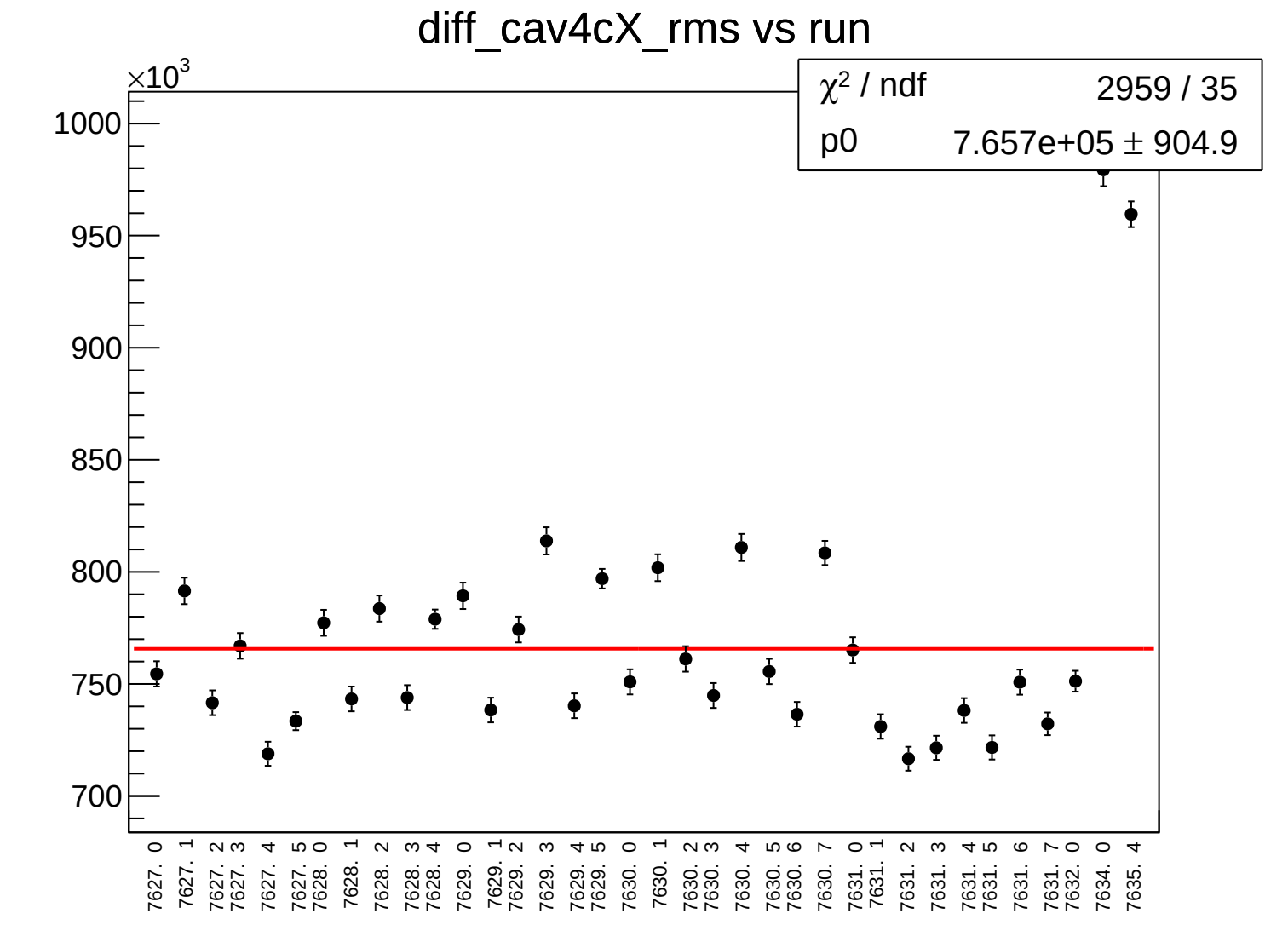

diff_cav4bX_mean vs run
χ² / ndf 28.03 / 41
p0 1152 ± 2937
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 130.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

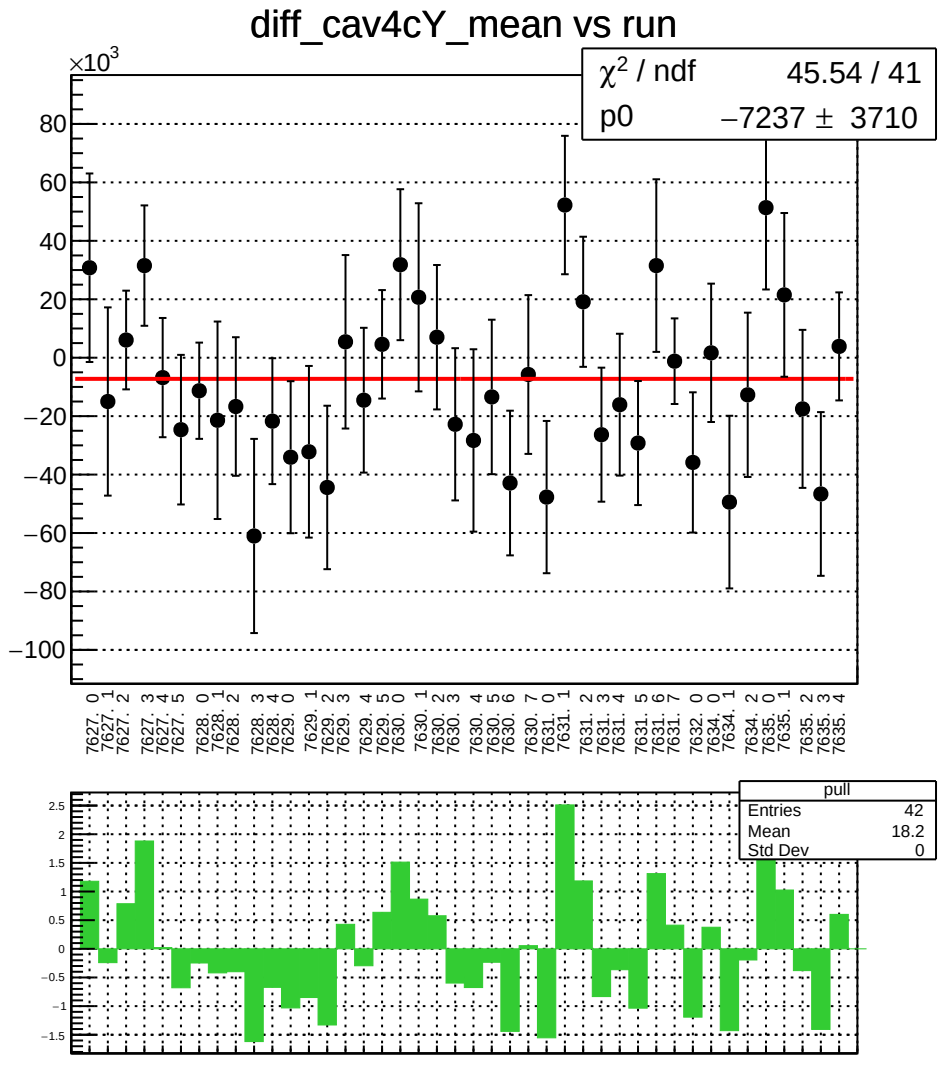

pull1D
Entries 42
Mean −0.0137
Std Dev 0.8168
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

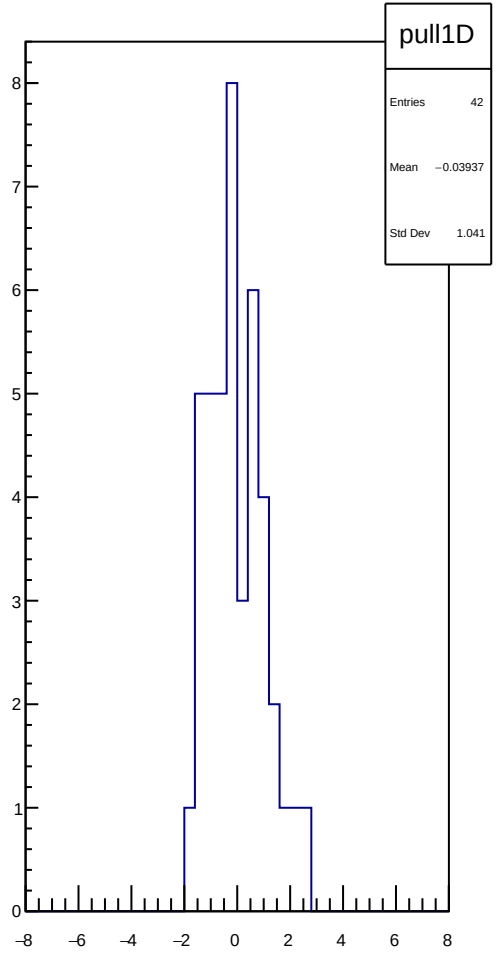

diff_cav4bY_mean vs run
×10^3
χ² / ndf 45.34 / 41
p0 −1.778e+04 ± 9101
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.98
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

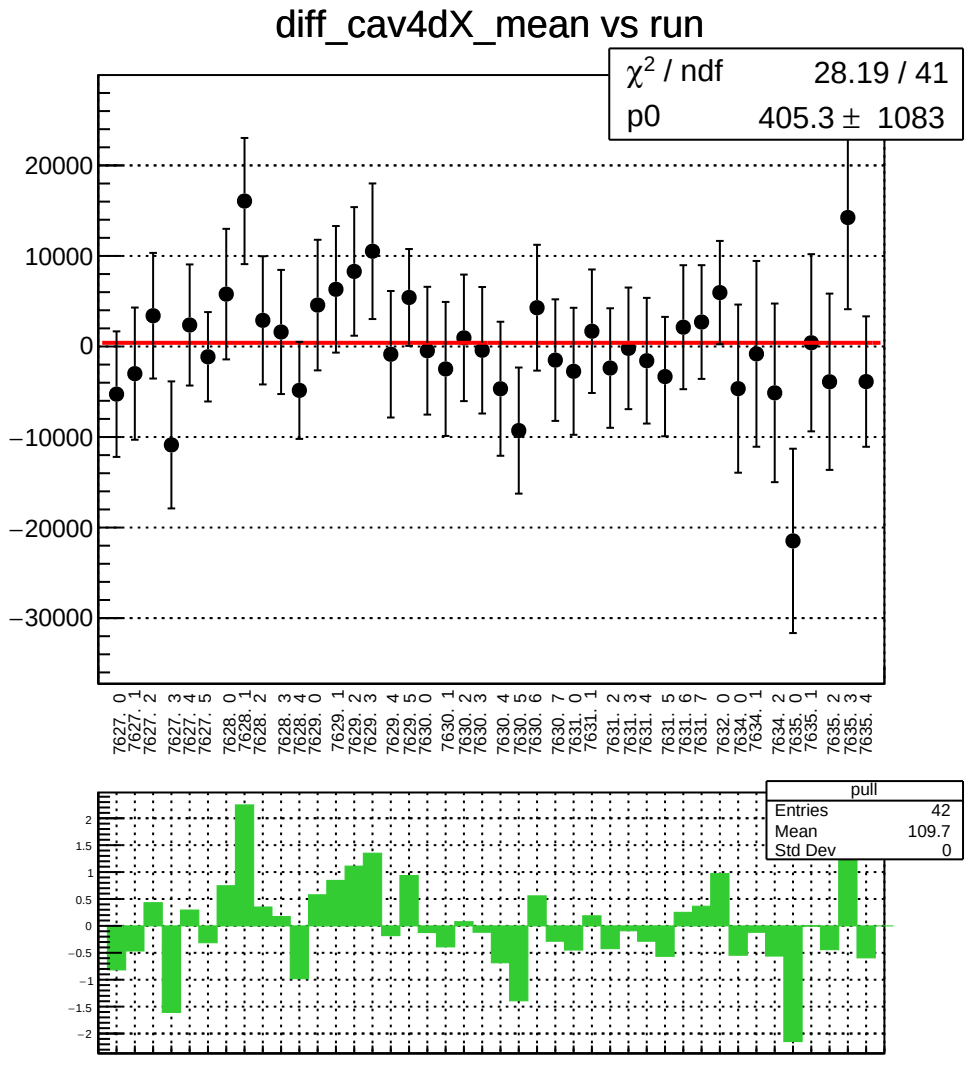

pull1D
Entries 42
Mean −0.03726
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

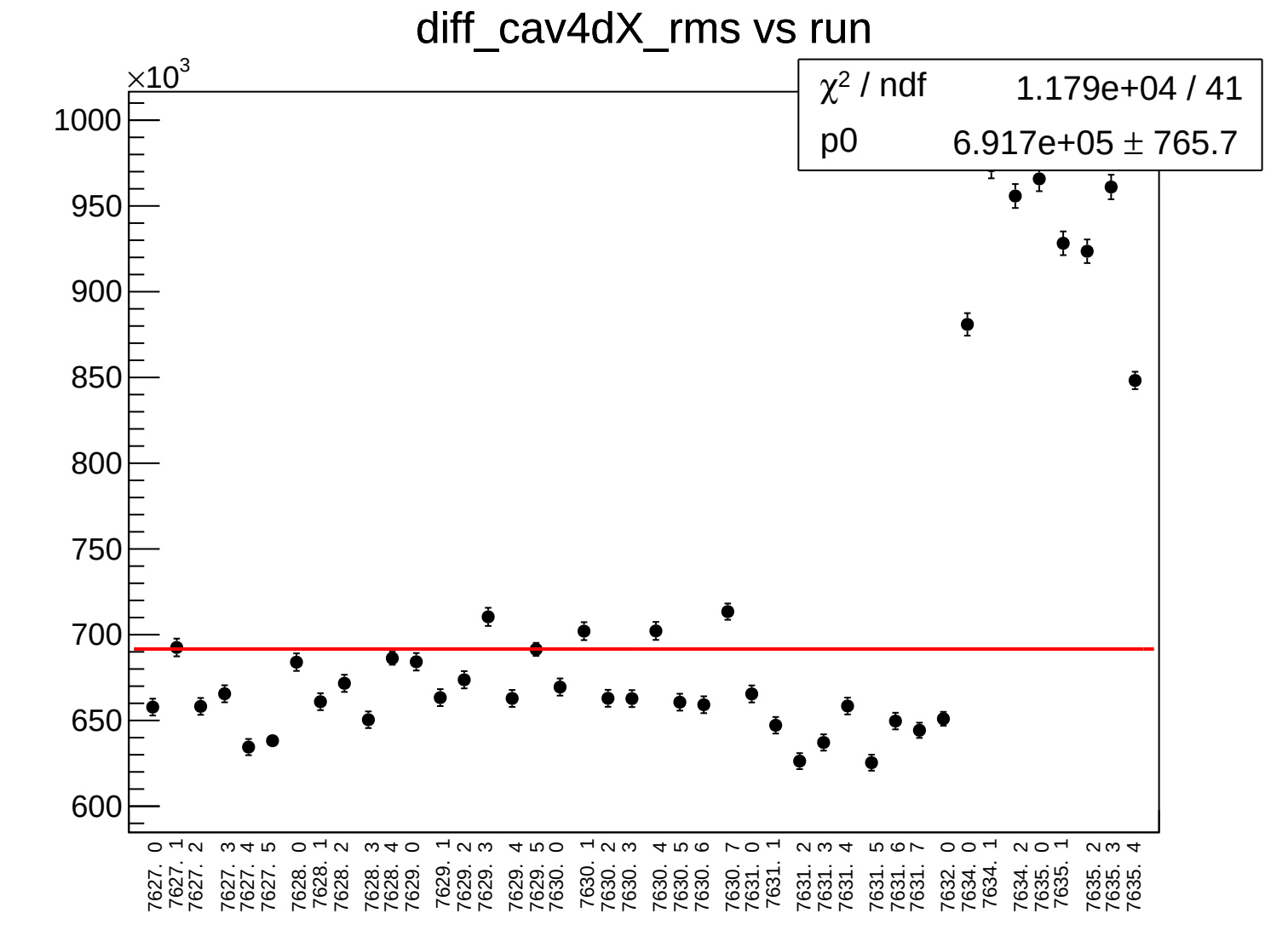

diff_cav4cX_mean vs run
χ² / ndf 27.82 / 41
p0 475.8 ± 1232
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 108.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01746
Std Dev 0.8137
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

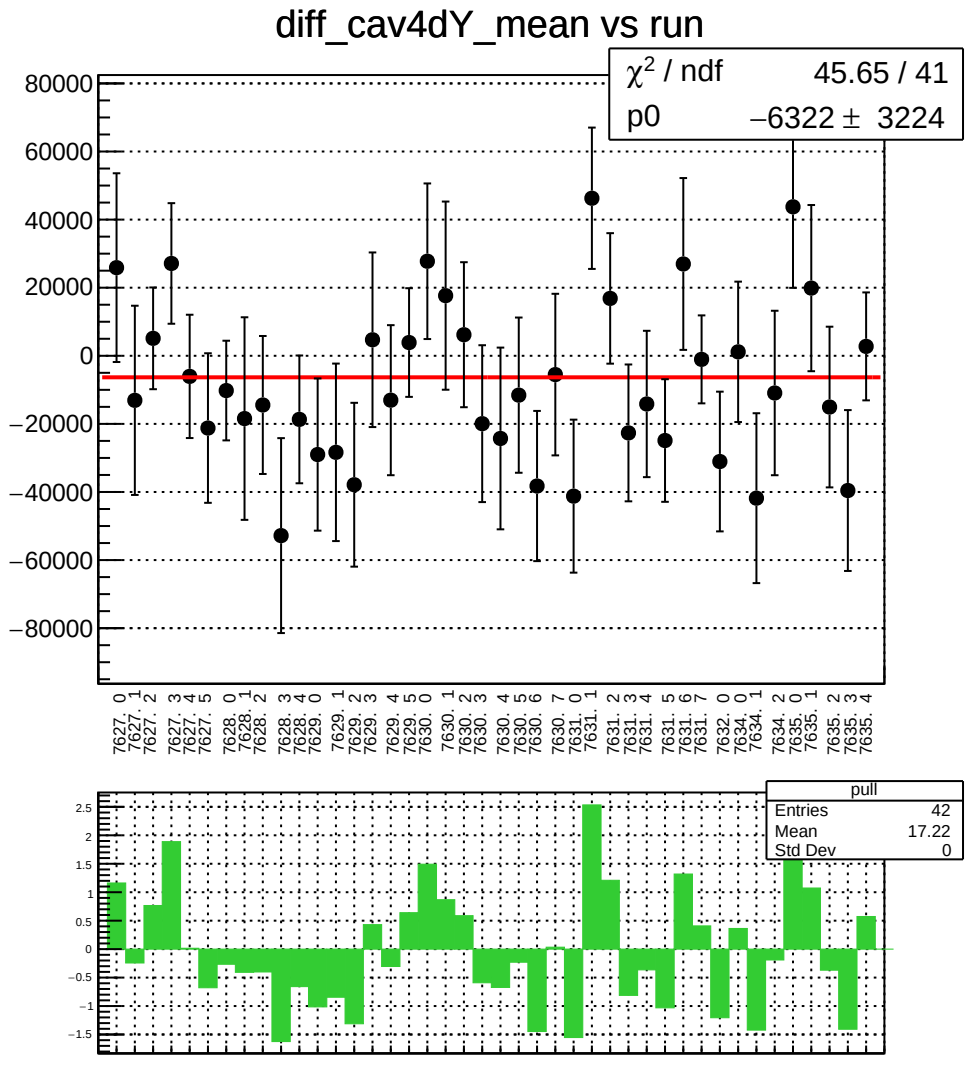

diff_cav4cX_rms vs run
×10^3
χ² / ndf 2959 / 35
p0 7.657e+05 ± 904.9
1000
950
900
850
800
750
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7635. 4

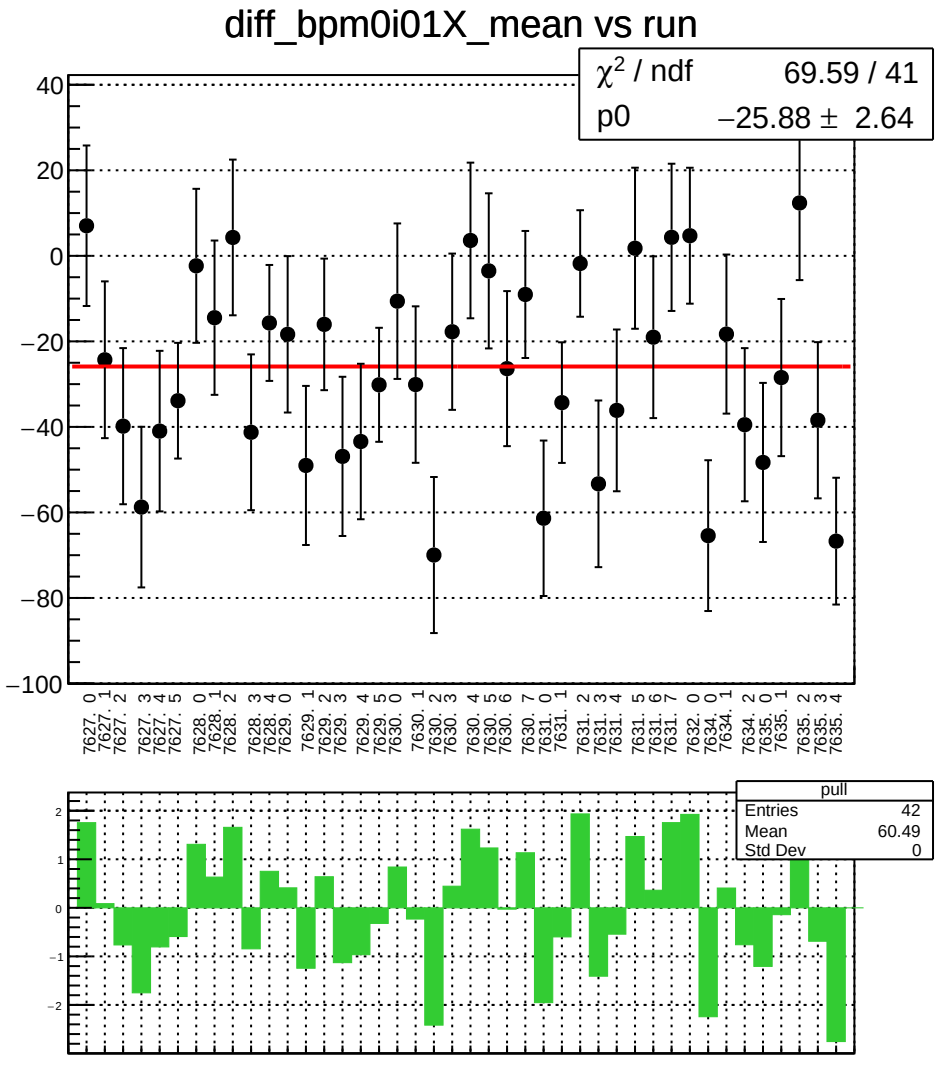

diff_cav4cY_mean vs run
×10^3
χ² / ndf 45.54 / 41
p0 −7237 ± 3710
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

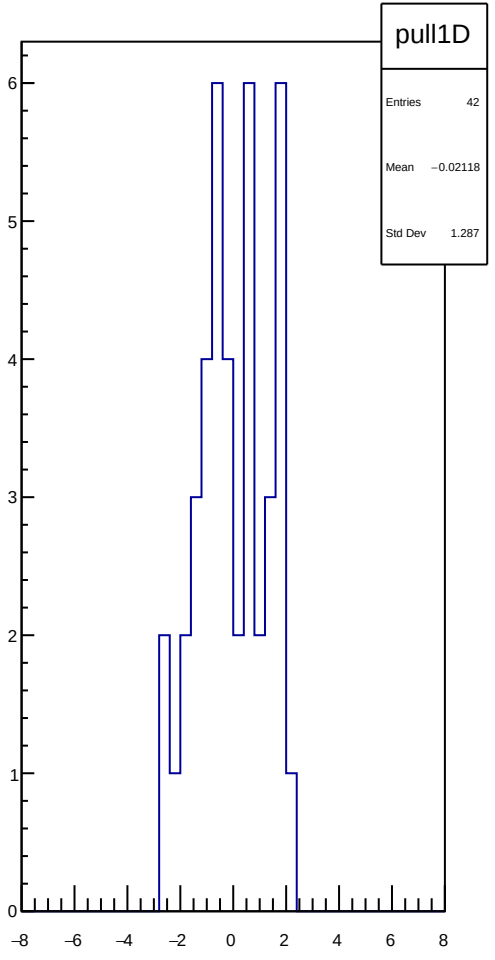

pull1D
Entries 42
Mean −0.03937
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

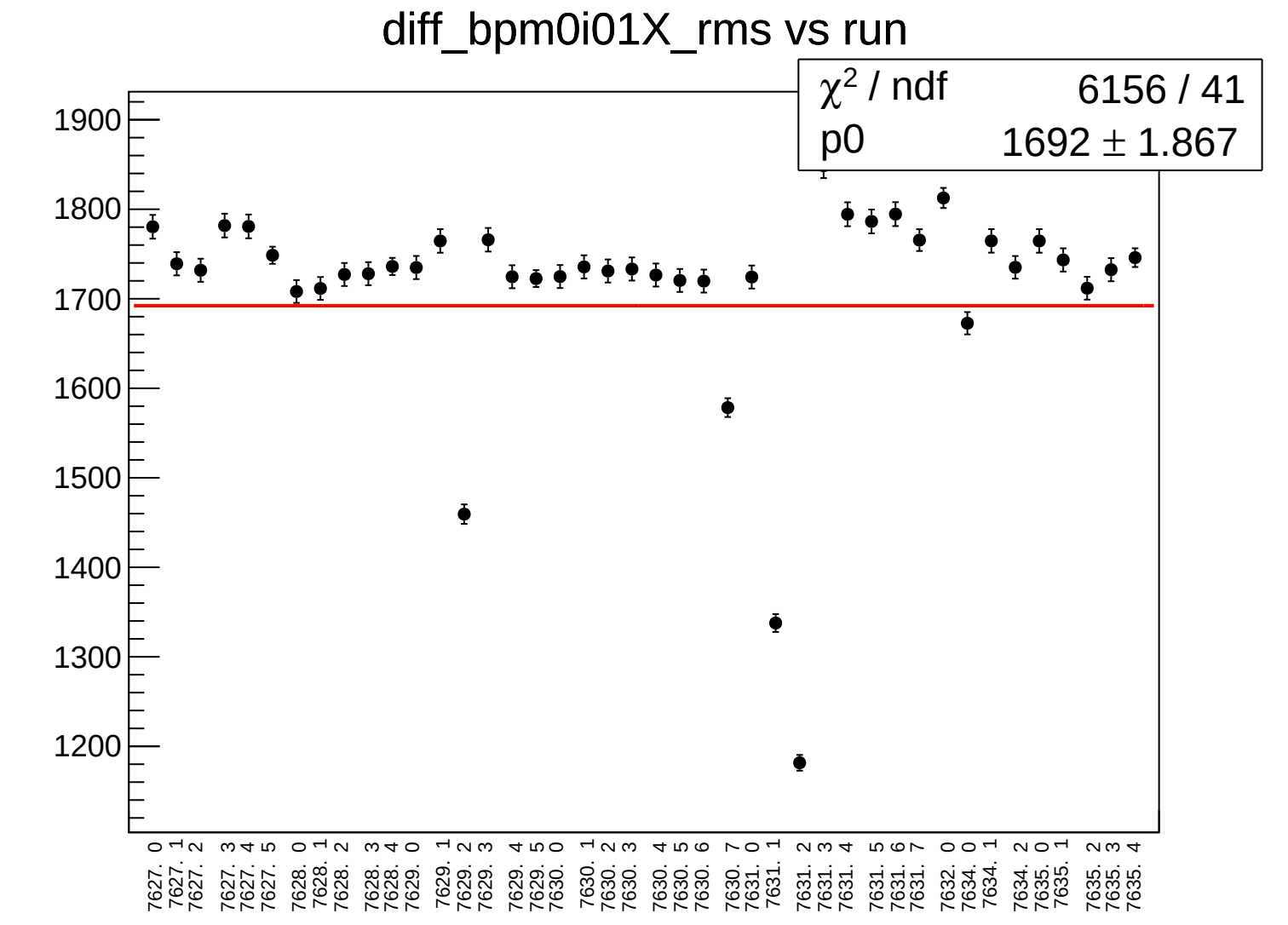

diff_cav4dX_mean vs run
χ² / ndf 28.19 / 41
p0 405.3 ± 1083
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 109.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01747
Std Dev 0.819
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

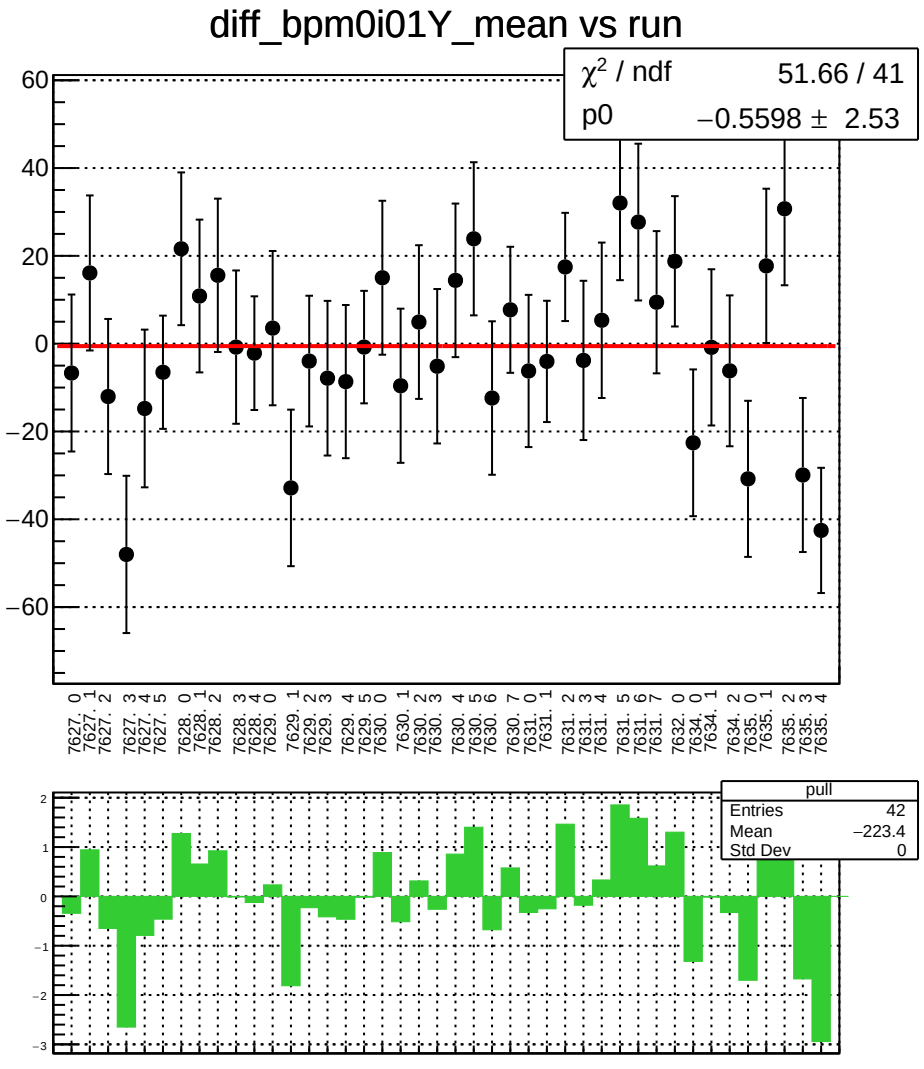

diff_cav4dX_rms vs run
×10^3
χ² / ndf 1.179e+04 / 41
p0 6.917e+05 ± 765.7
1000
950
900
850
800
750
700
650
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

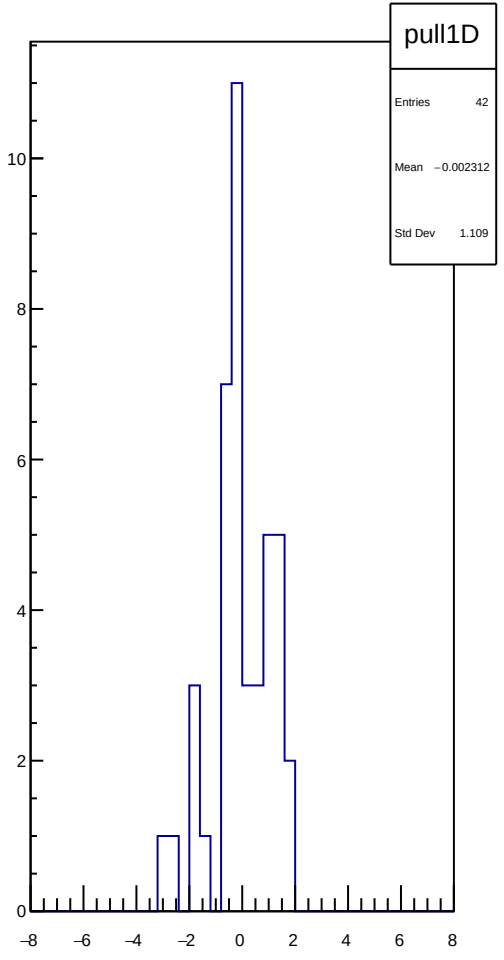

diff_cav4dY_mean vs run
χ² / ndf 45.65 / 41
p0 −6322 ± 3224
pull
Entries 42
Mean 17.22
Std Dev 0
pull1D
Entries 42
Mean −0.03772
Std Dev 1.042

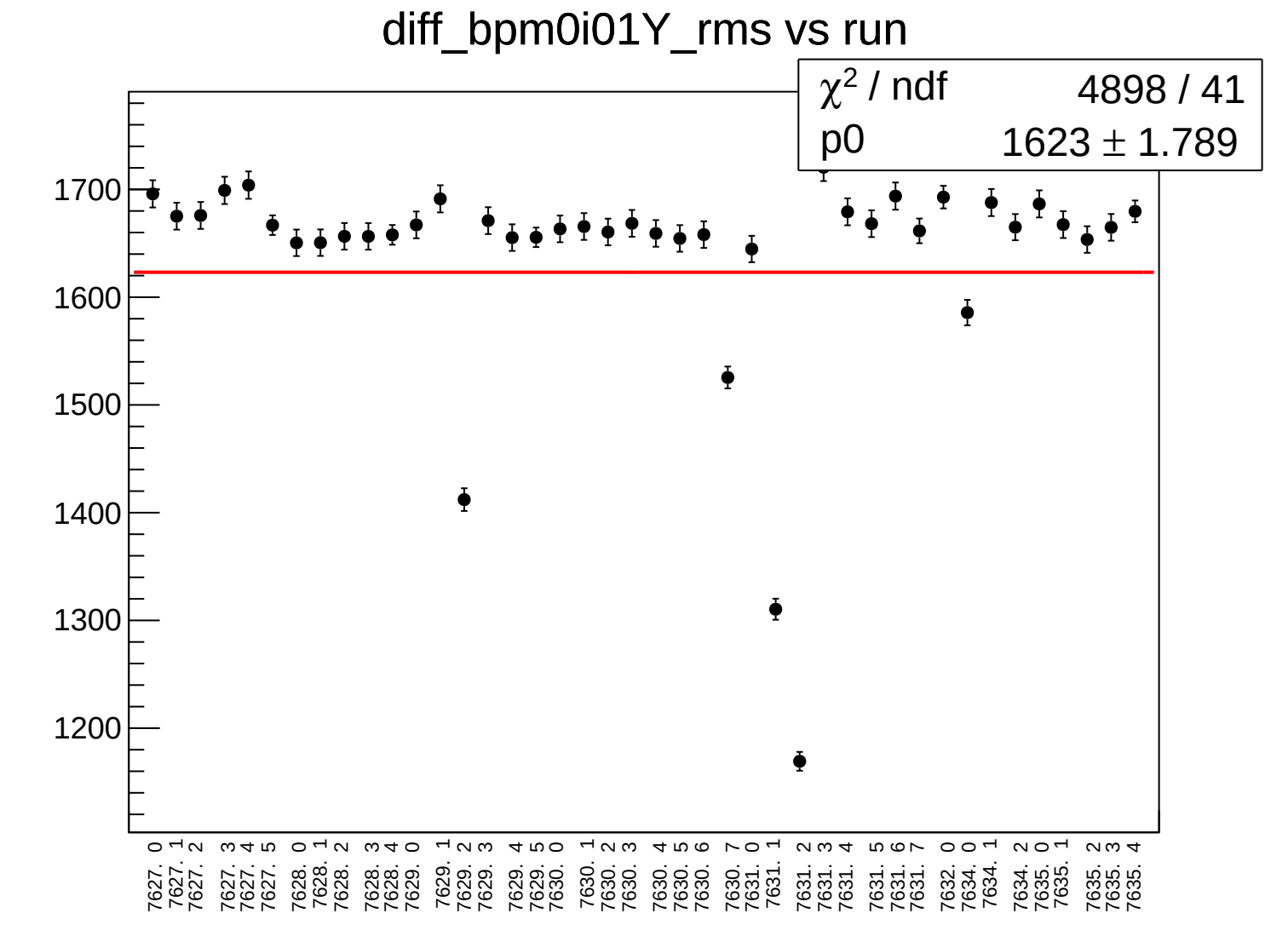

diff_bpm0i01X_mean vs run
χ² / ndf 69.59 / 41
p0 −25.88 ± 2.64
pull
Entries 42
Mean 60.49
Std Dev 0

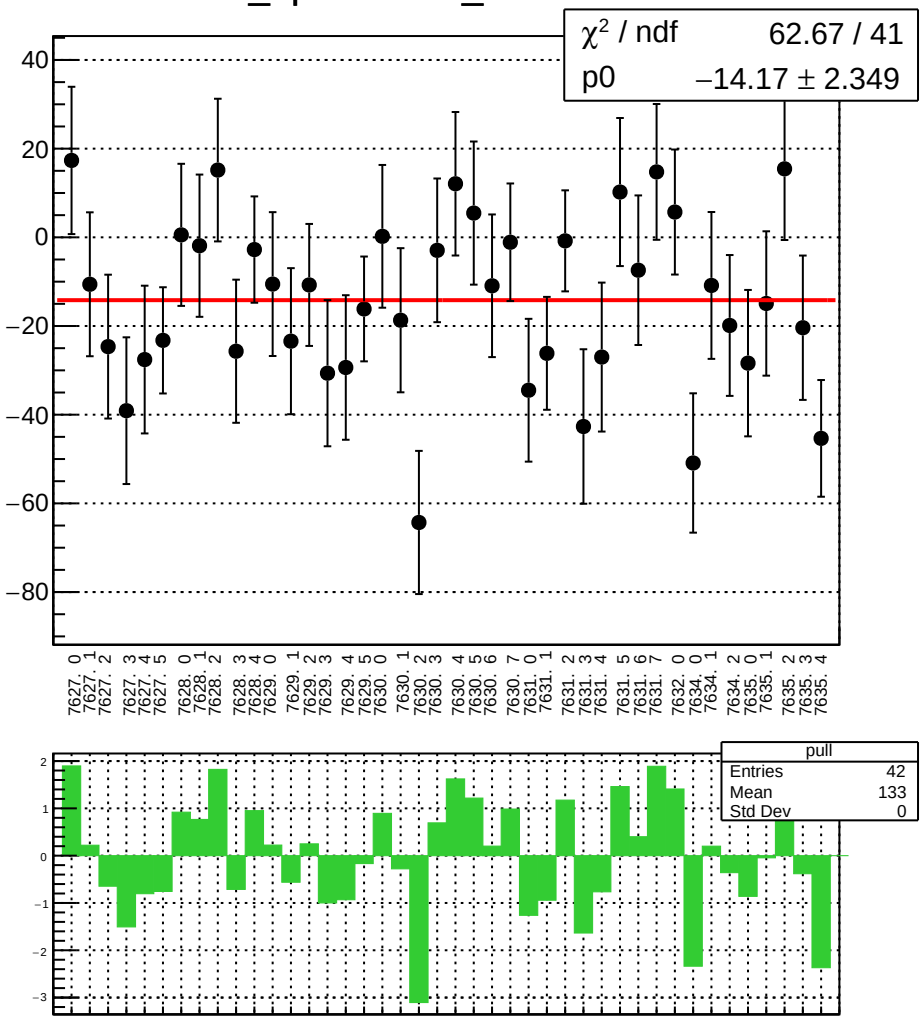

pull1D
Entries 42
Mean −0.02118
Std Dev 1.287

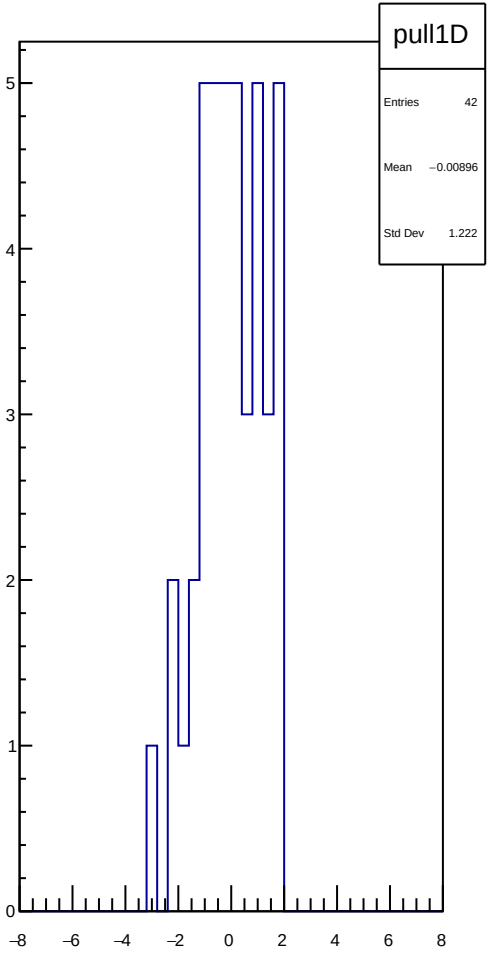

diff_bpm0i01X_rms vs run
χ² / ndf 6156 / 41
p0 1692 ± 1.867
1900
1800
1700
1600
1500
1400
1300
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

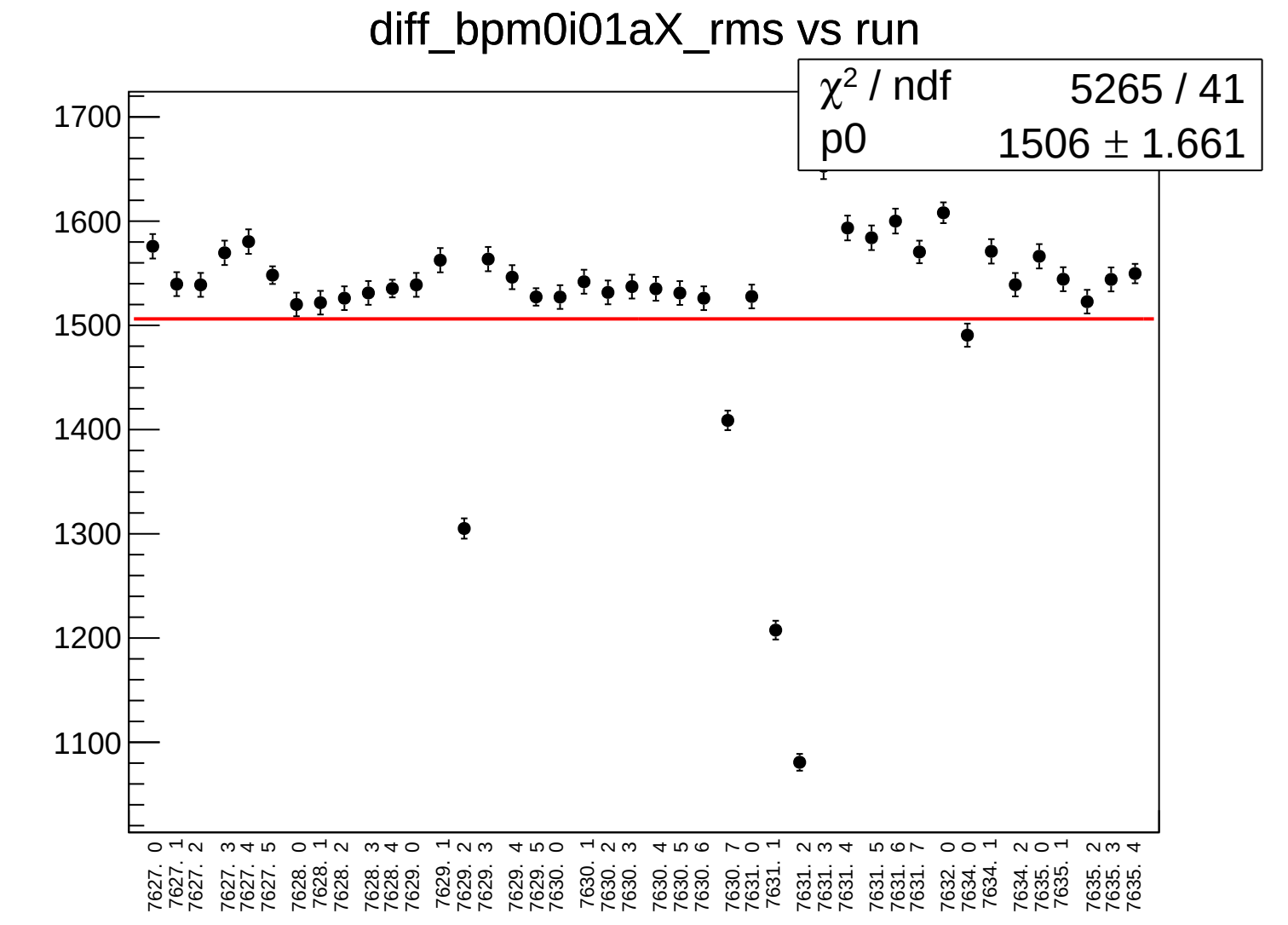

diff_bpm0i01Y_mean vs run
χ² / ndf 51.66 / 41
p0 −0.5598 ± 2.53
pull
Entries 42
Mean −223.4
Std Dev 0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

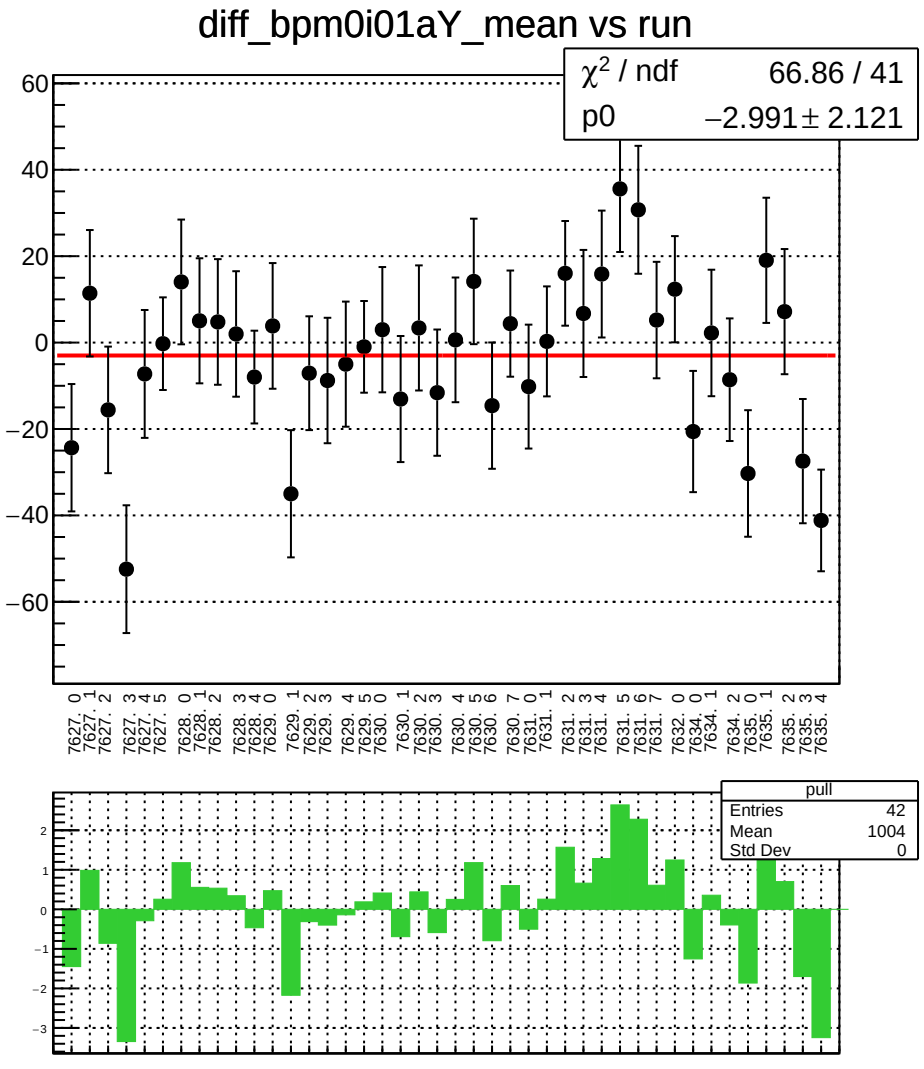

pull1D
Entries 42
Mean −0.002312
Std Dev 1.109

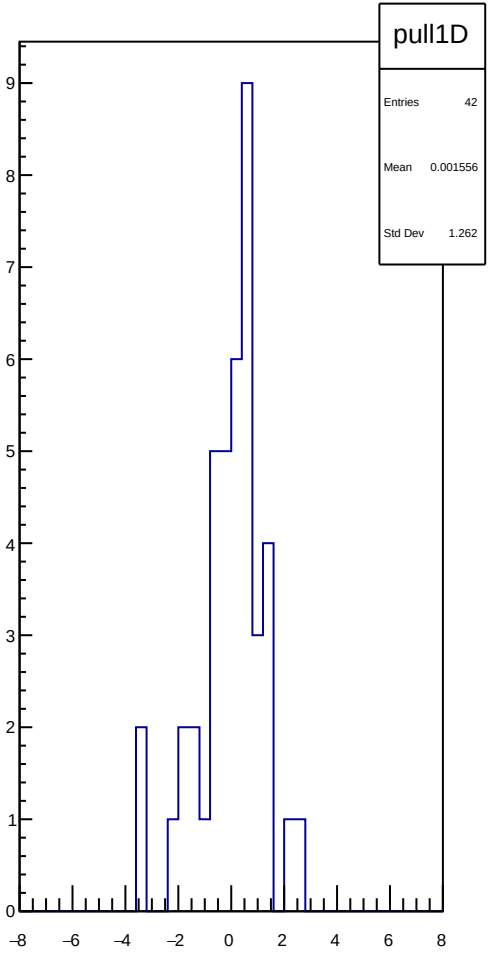

diff_bpm0i01Y_rms vs run
χ² / ndf 4898 / 41
p0 1623 ± 1.789
1700
1600
1500
1400
1300
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

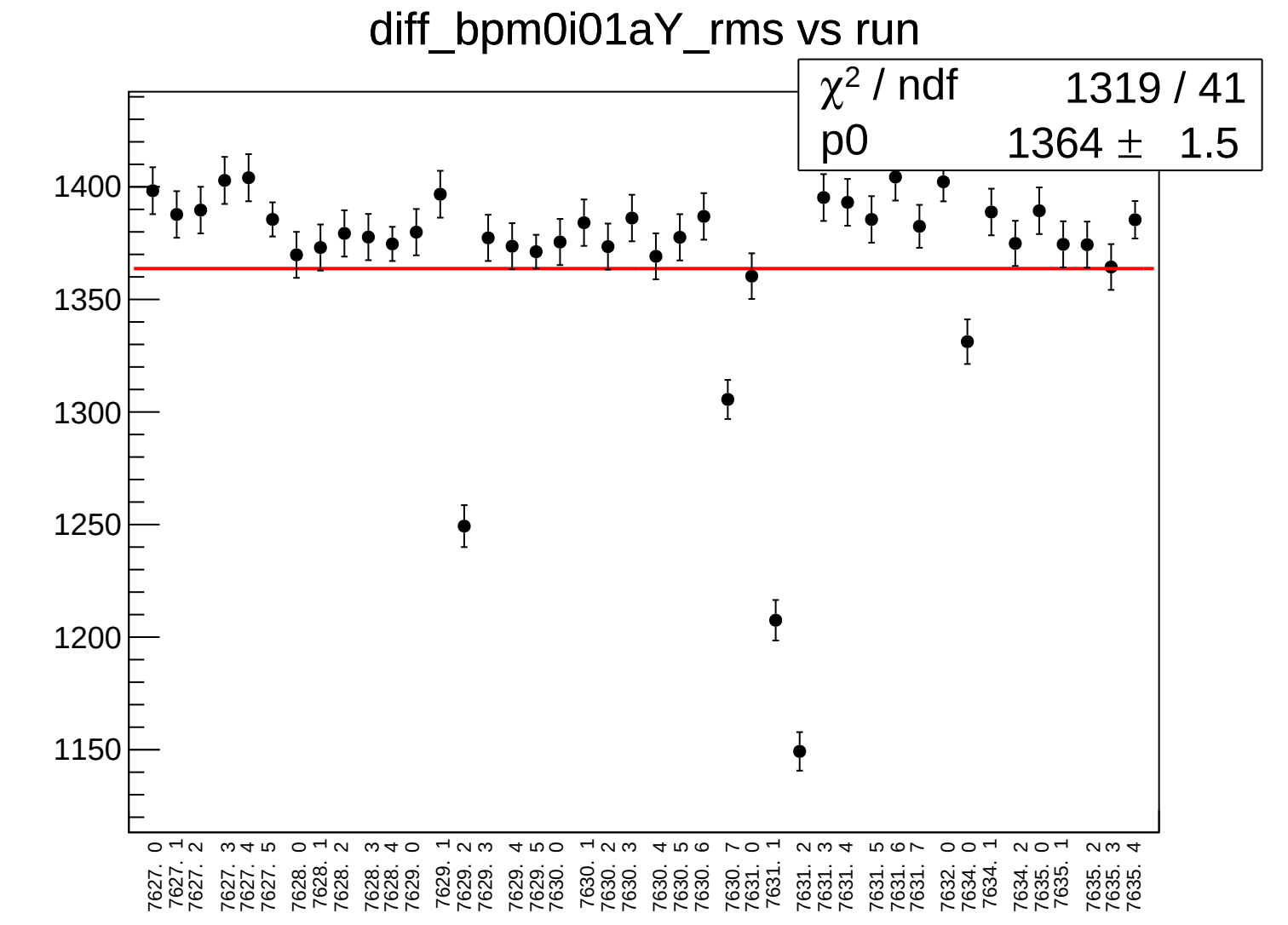

diff_bpm0i01aX_mean vs run
χ² / ndf 62.67 / 41
p0 −14.17 ± 2.349
pull
Entries 42
Mean 133
Std Dev 0

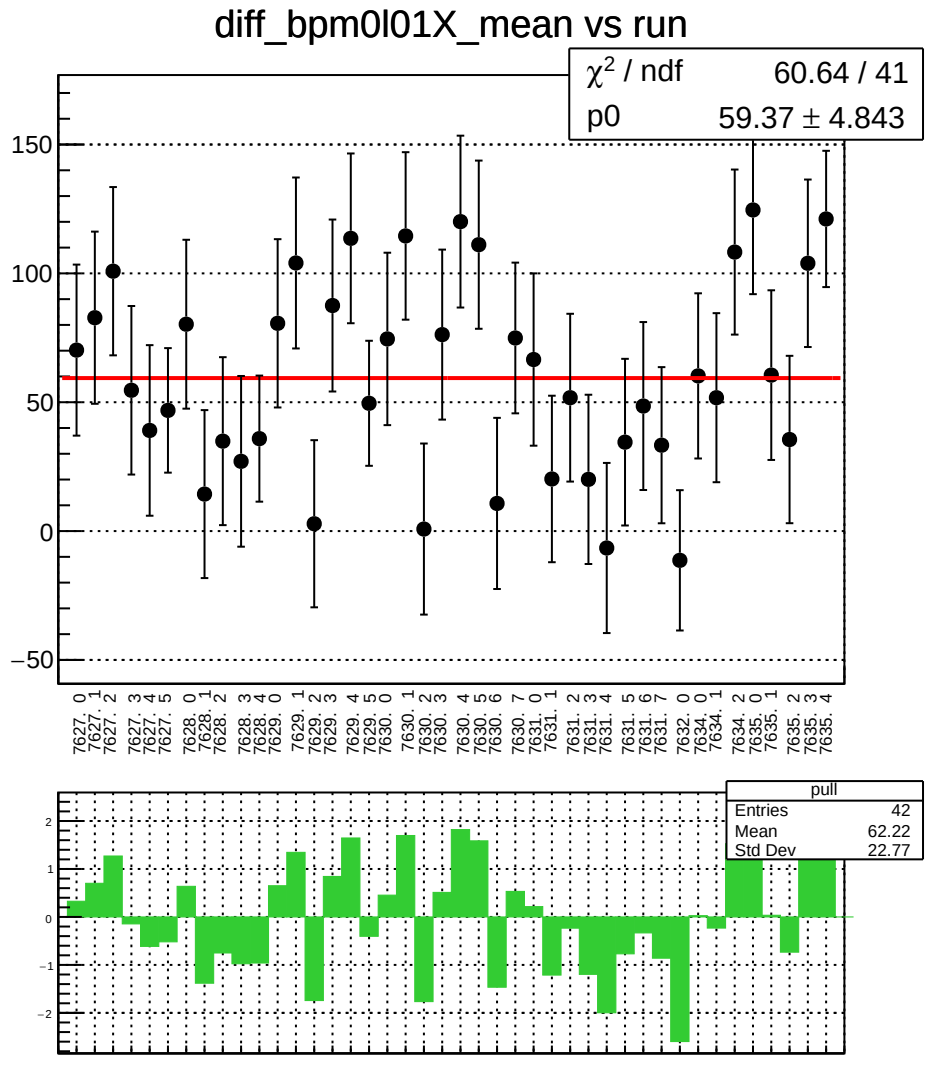

pull1D
Entries 42
Mean −0.00896
Std Dev 1.222

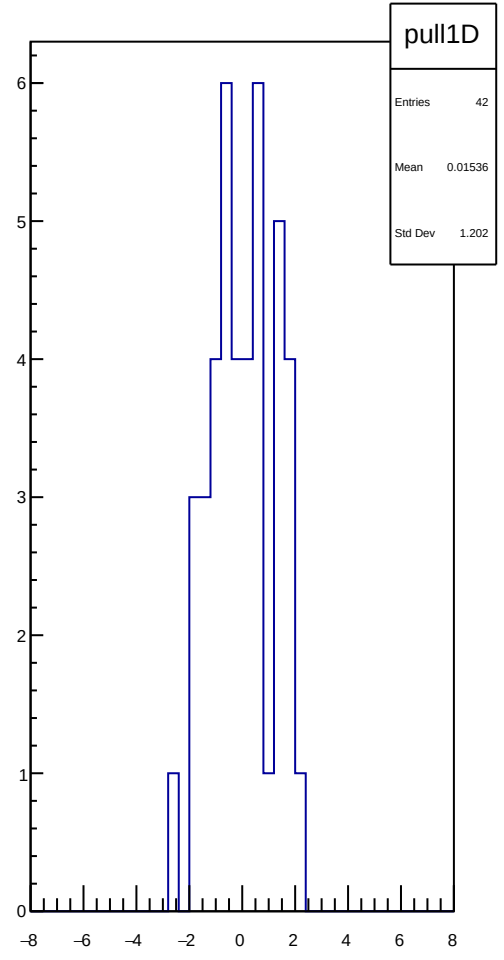

diff_bpm0i01aX_rms vs run
χ² / ndf 5265 / 41
p0 1506 ± 1.661
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

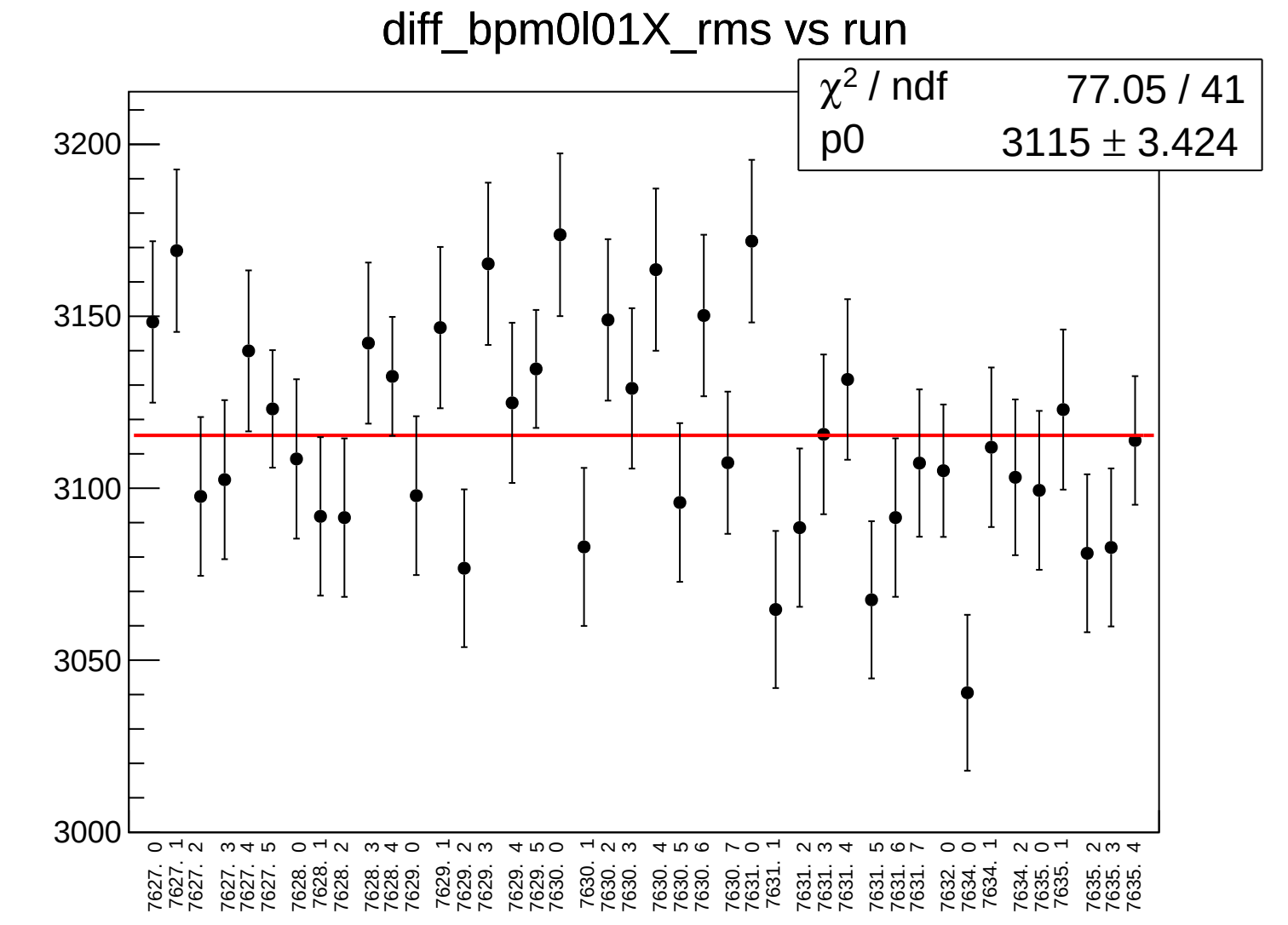

diff_bpm0i01aY_mean vs run
χ² / ndf 66.86 / 41
p0 −2.991 ± 2.121
pull
Entries 42
Mean 1004
Std Dev 0

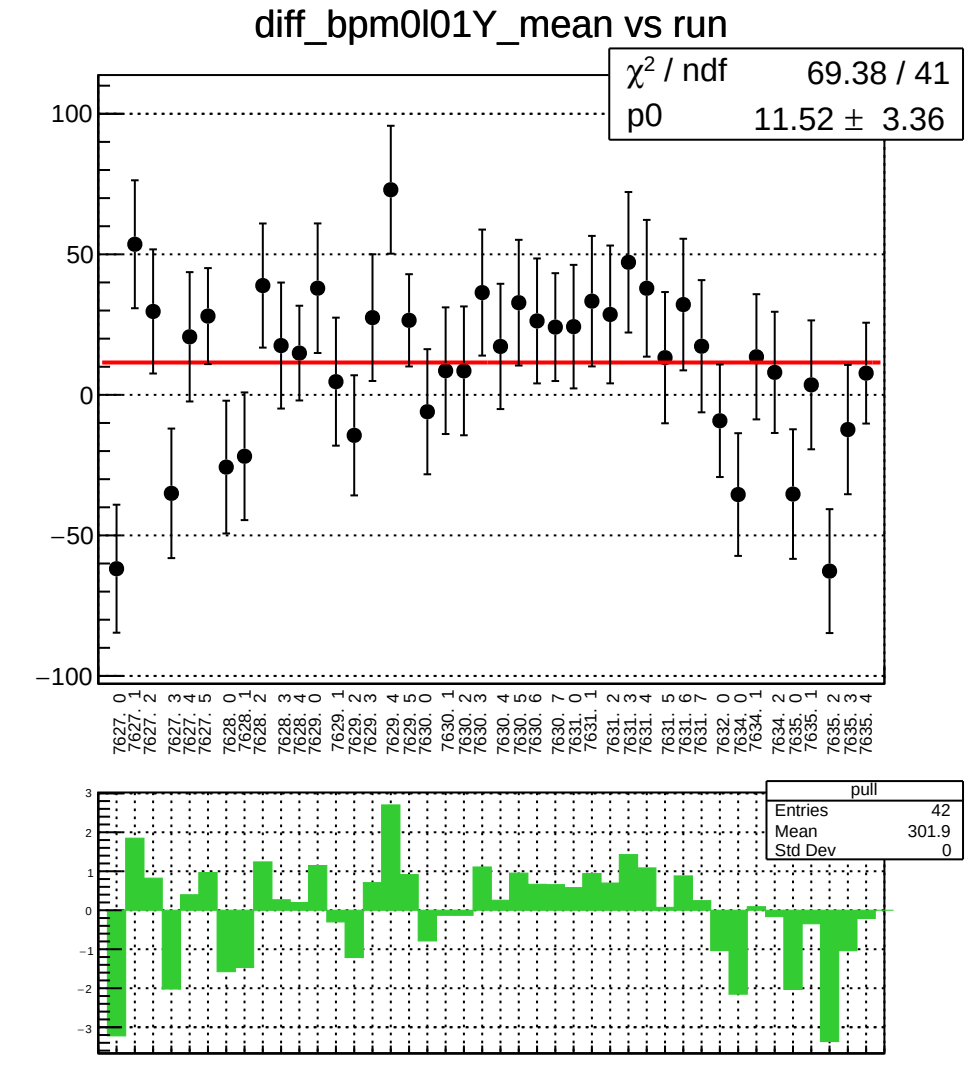

pull1D
Entries 42
Mean 0.001556
Std Dev 1.262

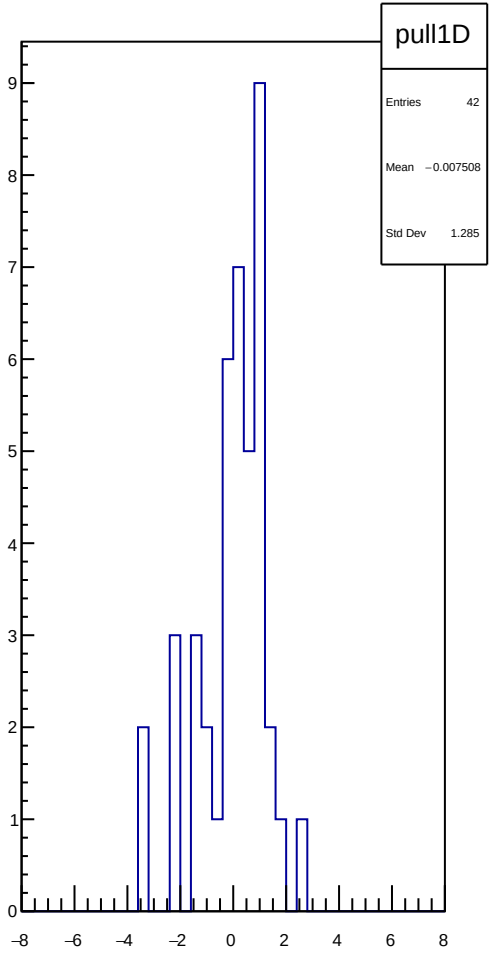

diff_bpm0i01aY_rms vs run
χ² / ndf 1319 / 41
p0 1364 ± 1.5
1400
1350
1300
1250
1200
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

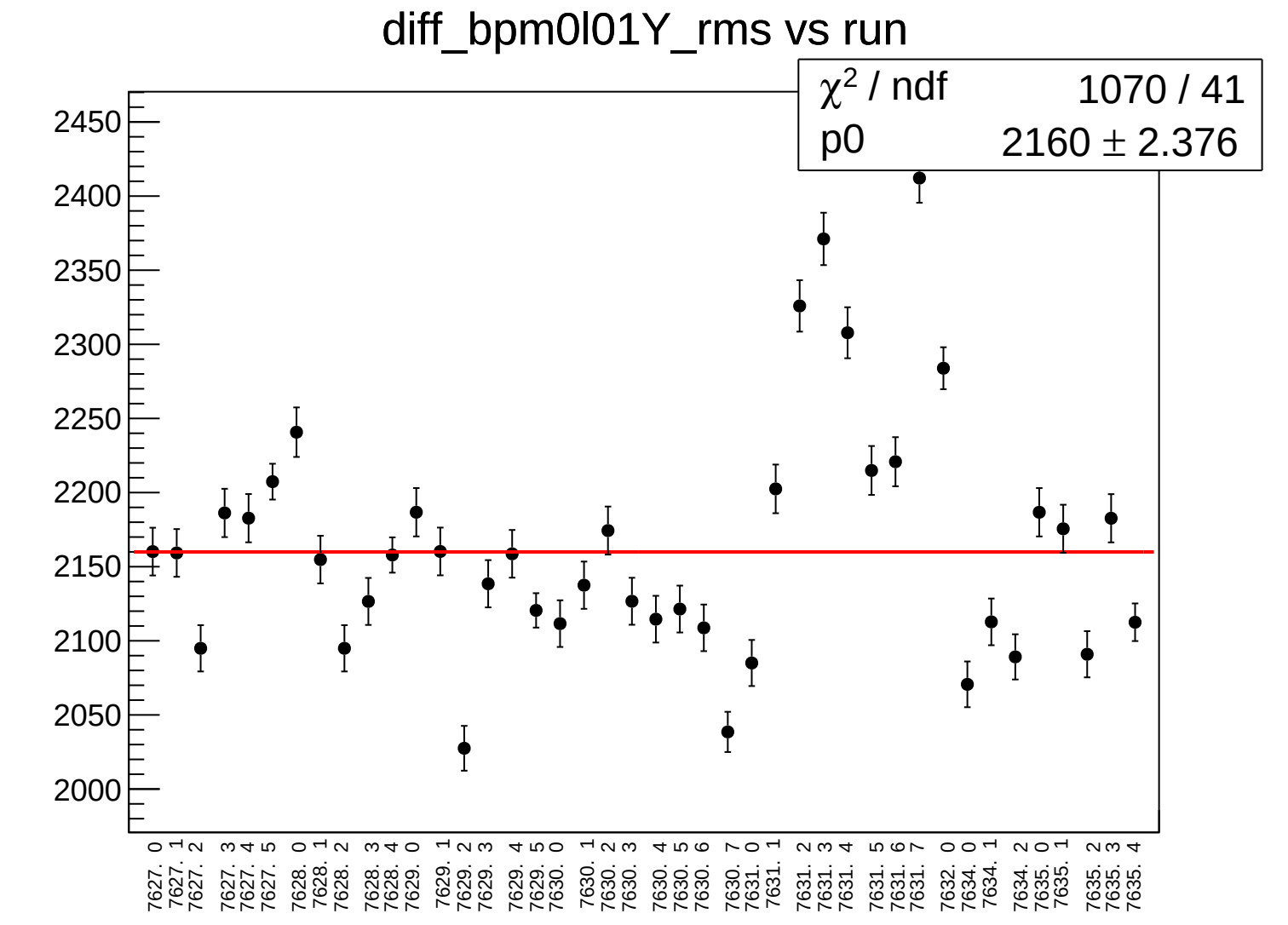

diff_bpm0l01X_mean vs run
χ² / ndf 60.64 / 41
p0 59.37 ± 4.843
150
100
50
0
−50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 62.22
Std Dev 22.77
2
1
0
−1
−2

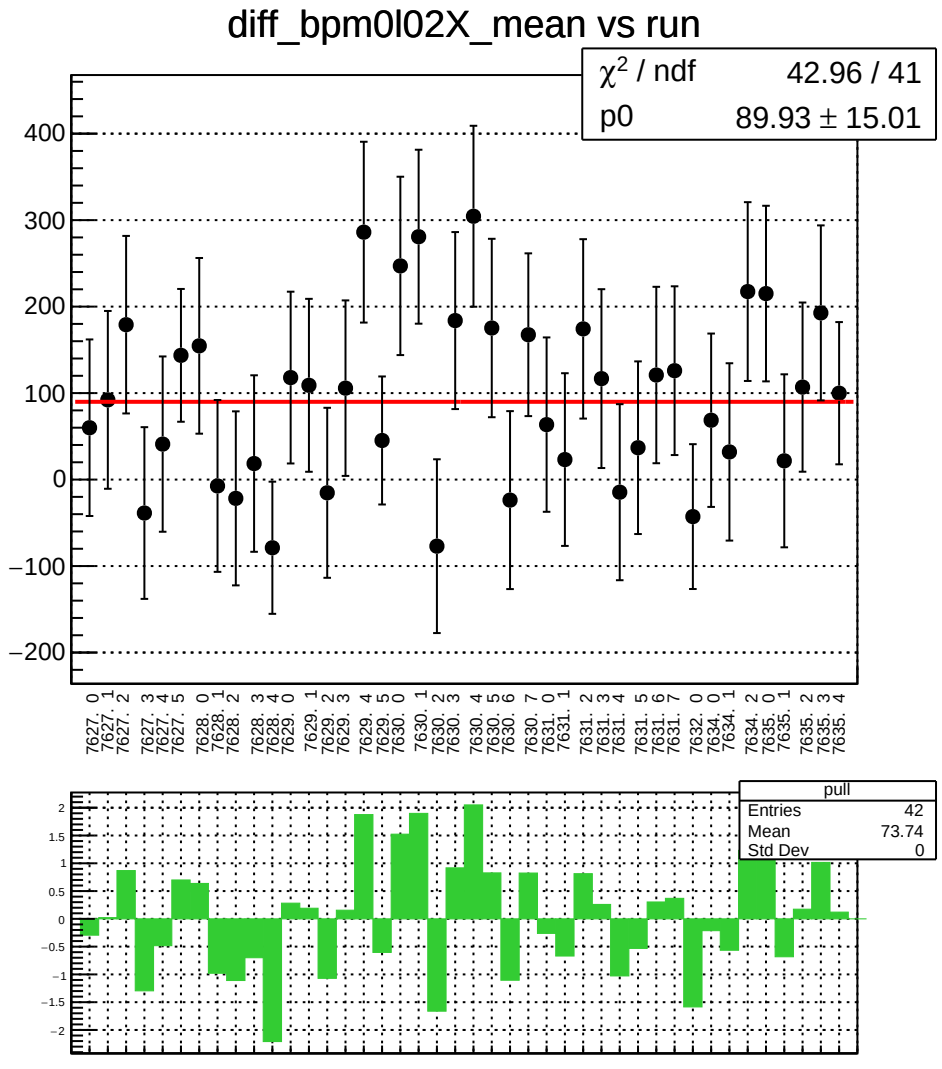

pull1D
Entries 42
Mean 0.01536
Std Dev 1.202
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

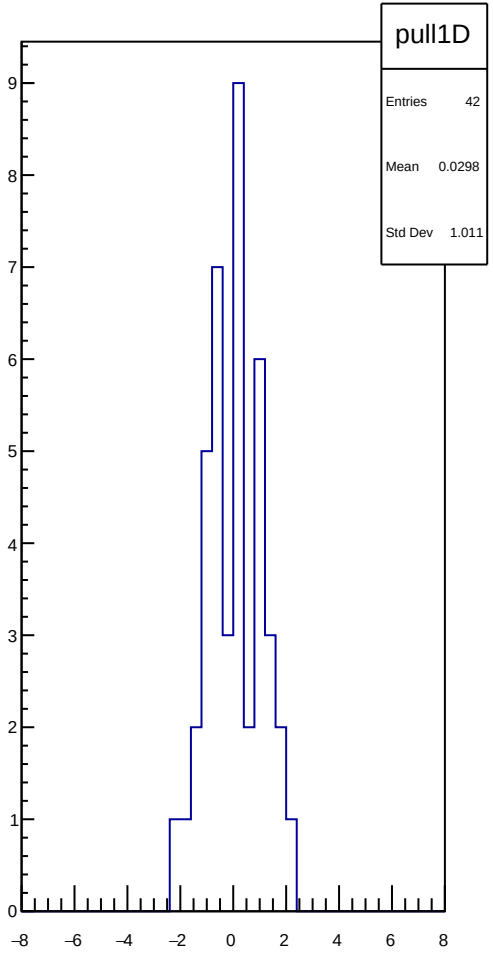

diff_bpm0l01X_rms vs run
χ² / ndf 77.05 / 41
p0 3115 ± 3.424
3200
3150
3100
3050
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

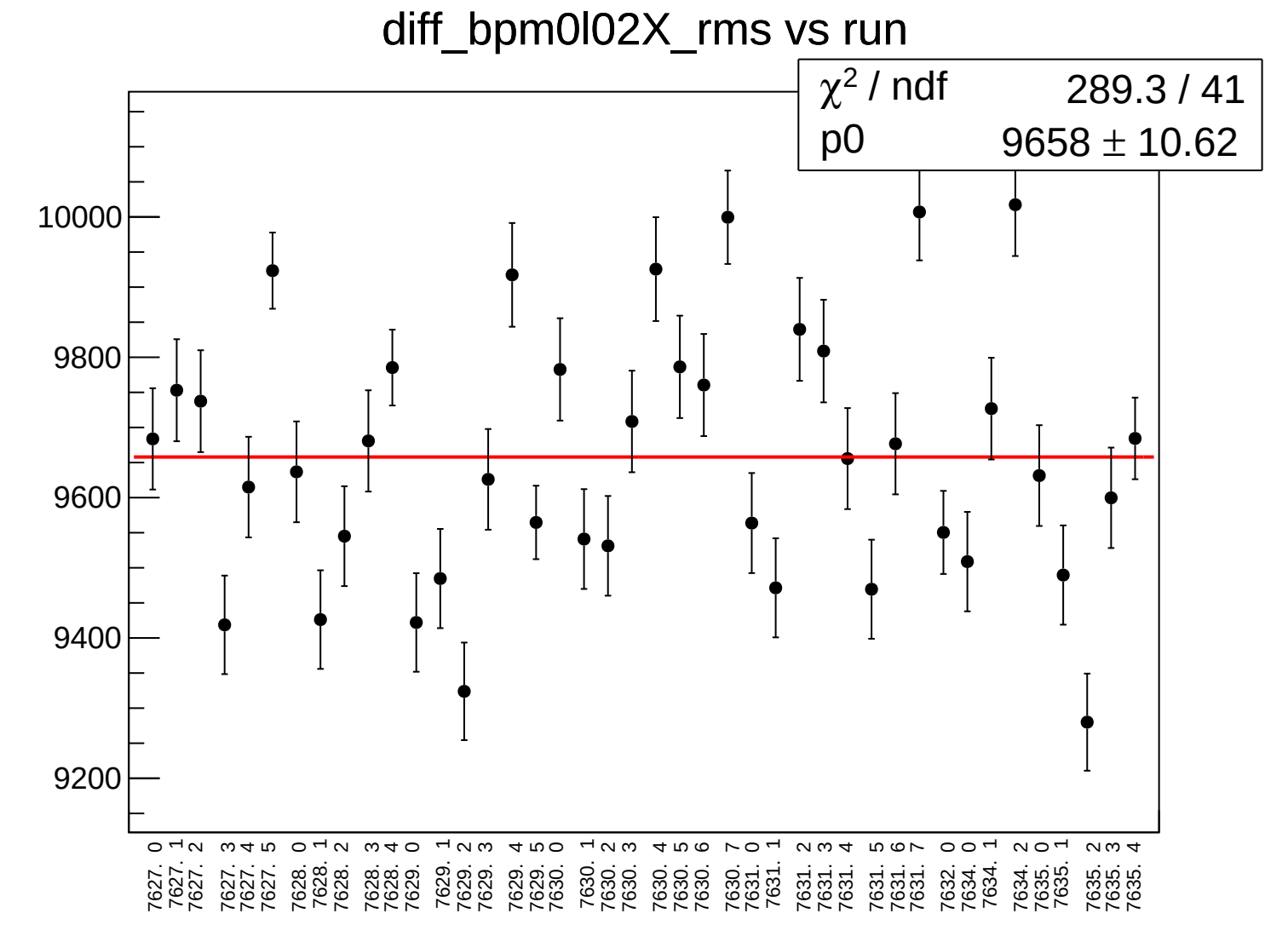

diff_bpm0l01Y_mean vs run
χ² / ndf 69.38 / 41
p0 11.52 ± 3.36
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 301.9
Std Dev 0
3
2
1
0
−1
−2
−3

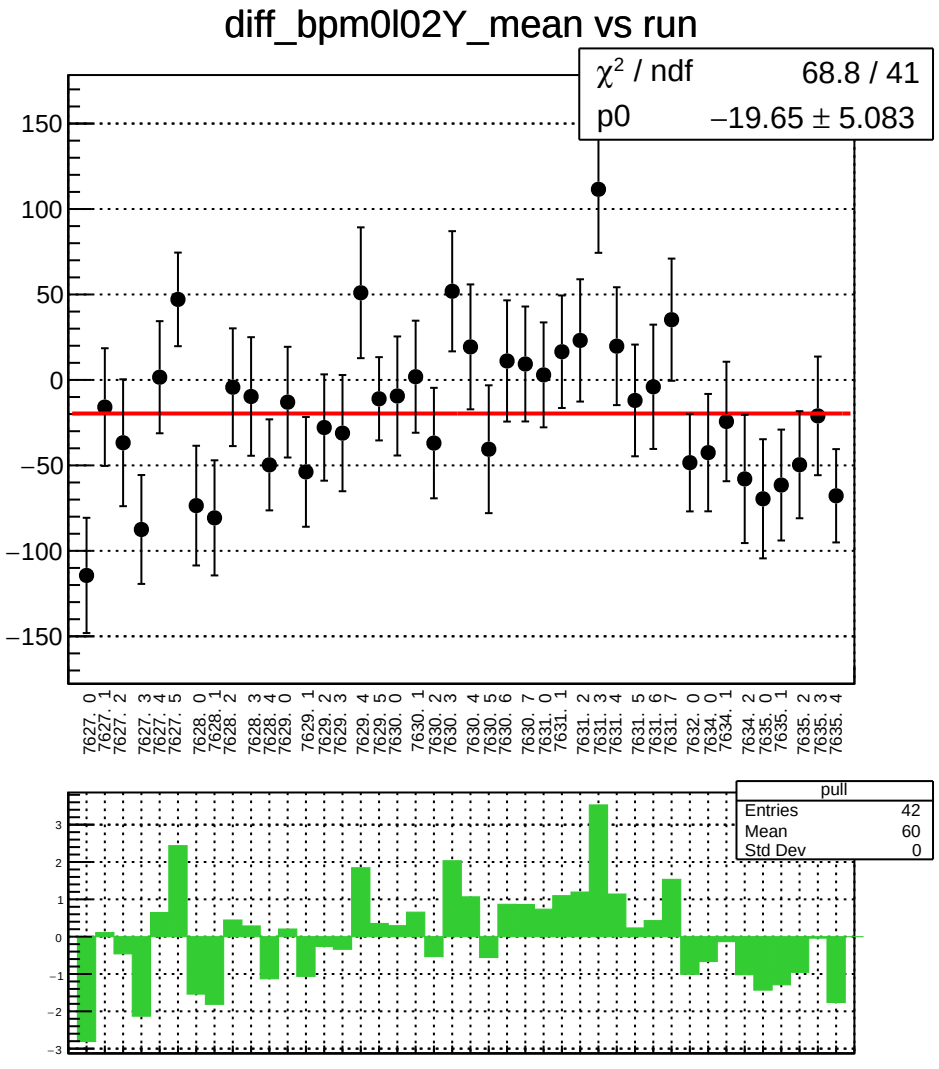

pull1D
Entries 42
Mean −0.007508
Std Dev 1.285
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

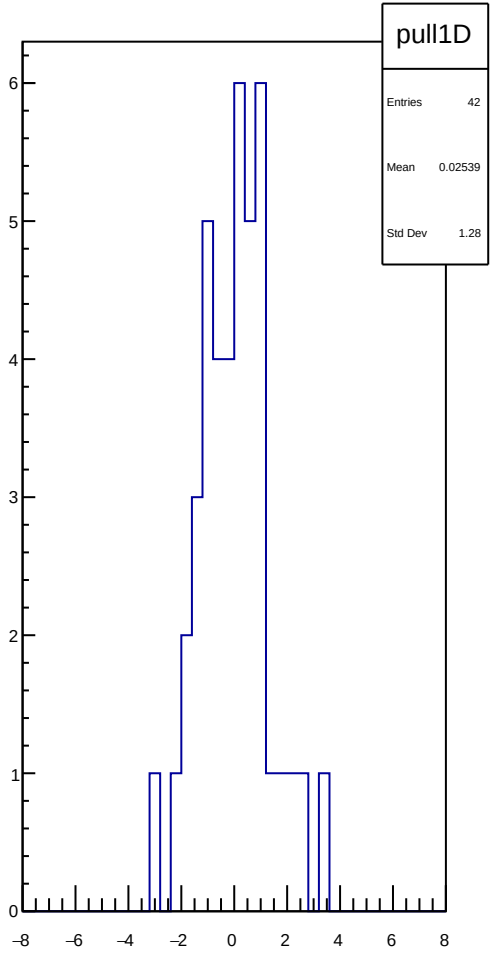

diff_bpm0l01Y_rms vs run
χ² / ndf 1070 / 41
p0 2160 ± 2.376
2450
2400
2350
2300
2250
2200
2150
2100
2050
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

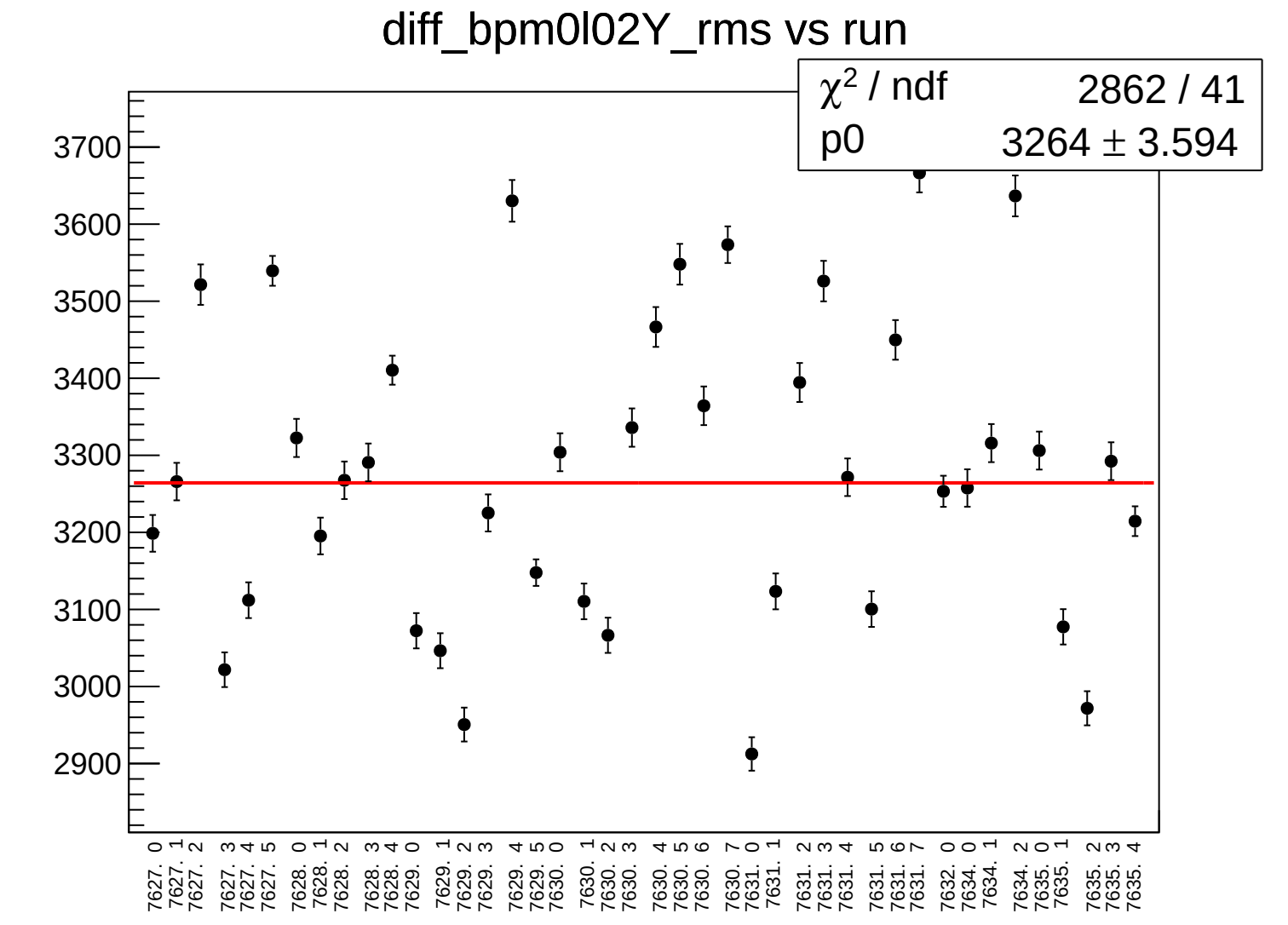

diff_bpm0l02X_mean vs run
χ² / ndf 42.96 / 41
p0 89.93 ± 15.01
400
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 73.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

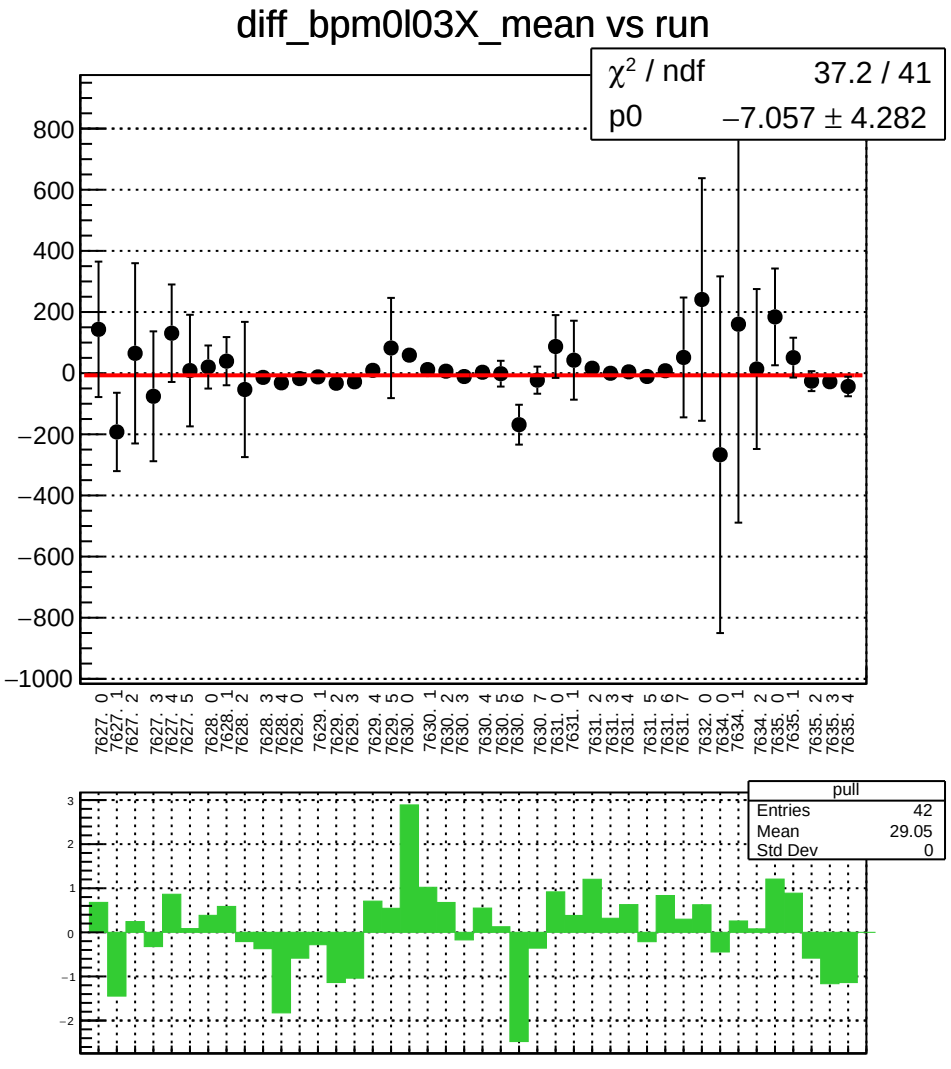

pull1D
Entries 42
Mean 0.0298
Std Dev 1.011
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

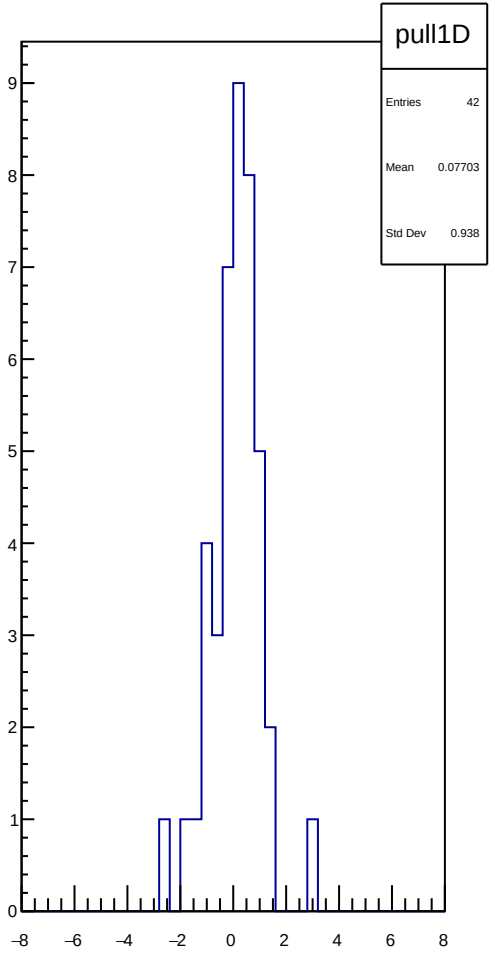

diff_bpm0l02X_rms vs run
χ^2 / ndf 289.3 / 41
p0 9658 ± 10.62
10000
9800
9600
9400
9200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

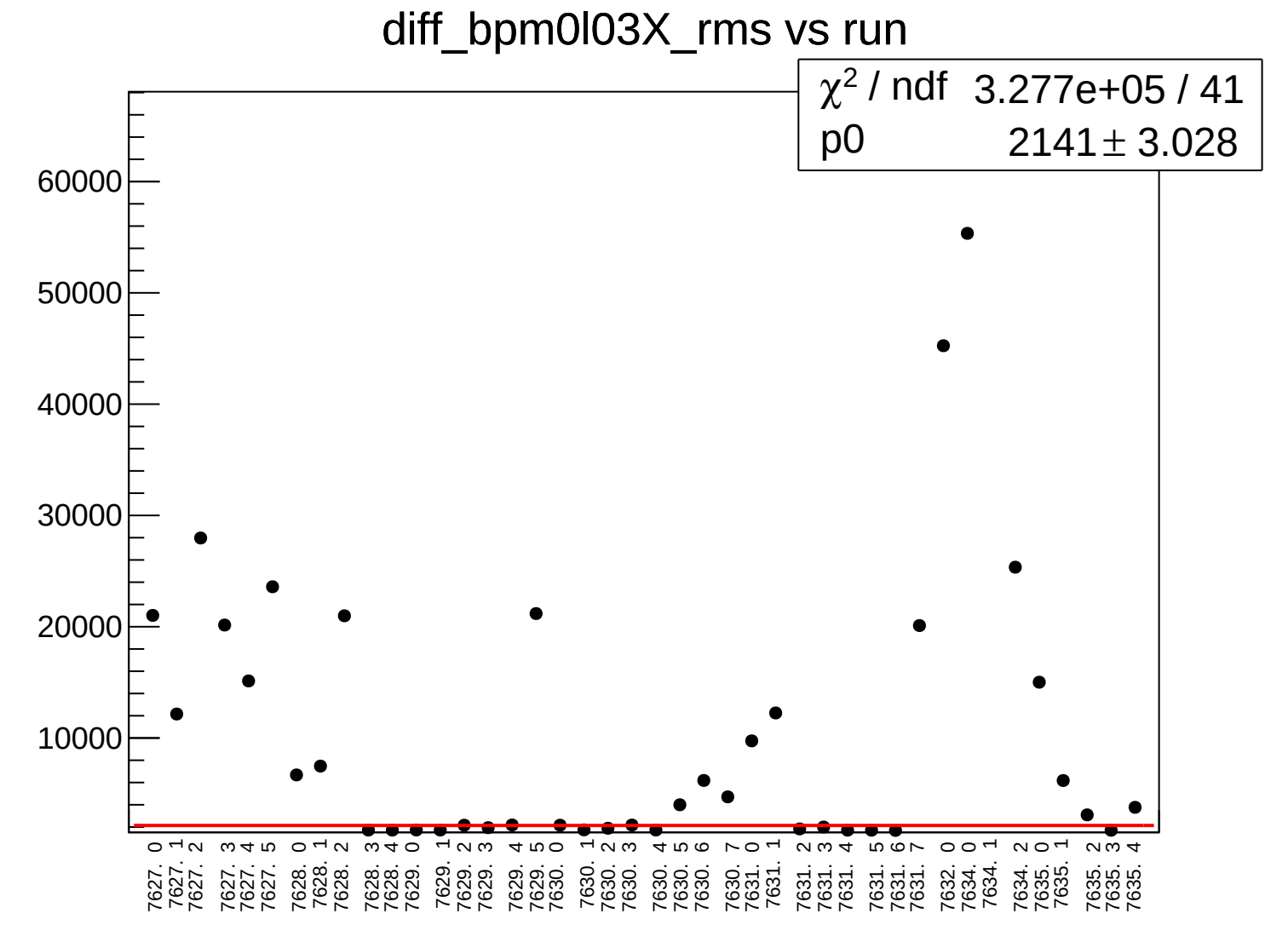

diff_bpm0l02Y_mean vs run
χ² / ndf 68.8 / 41
p0 −19.65 ± 5.083
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 60
Std Dev 0
3
2
1
0
−1
−2
−3

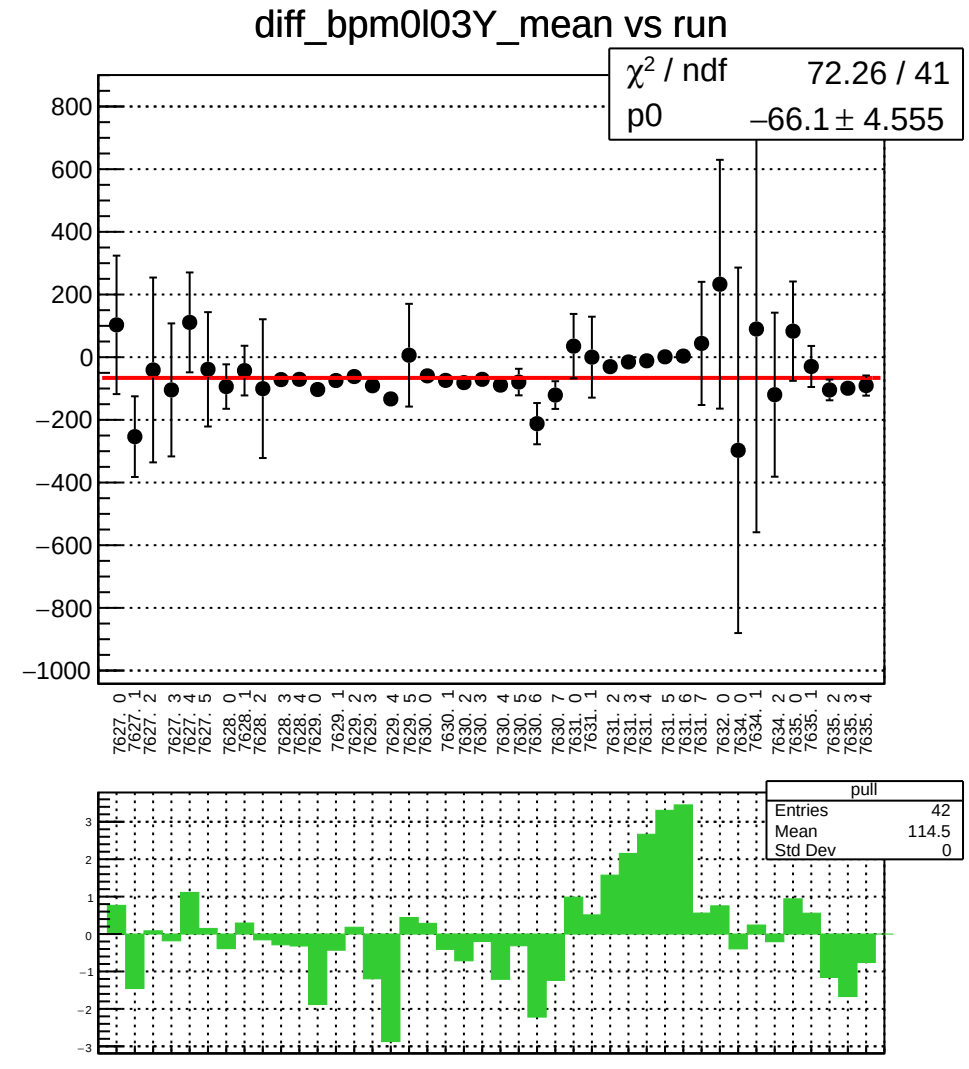

pull1D
Entries 42
Mean 0.02539
Std Dev 1.28
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

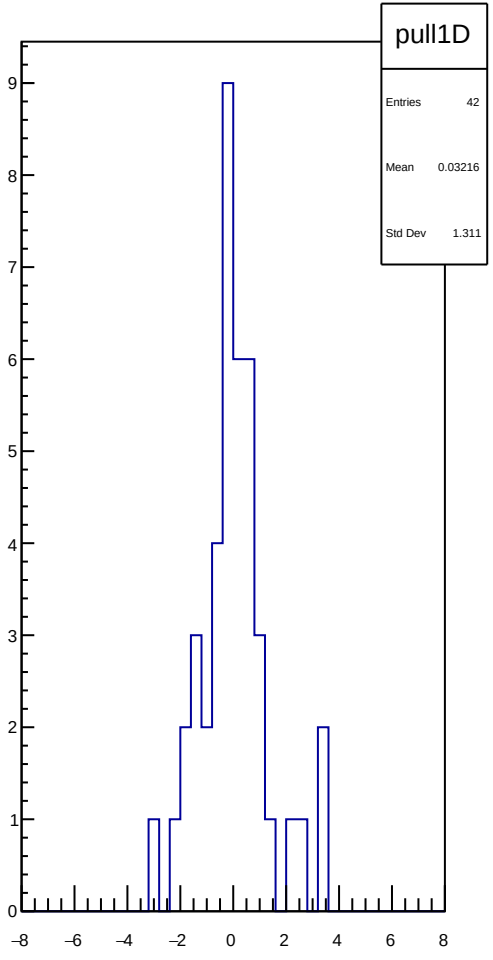

diff_bpm0l02Y_rms vs run
χ² / ndf 2862 / 41
p0 3264 ± 3.594
3700
3600
3500
3400
3300
3200
3100
3000
2900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

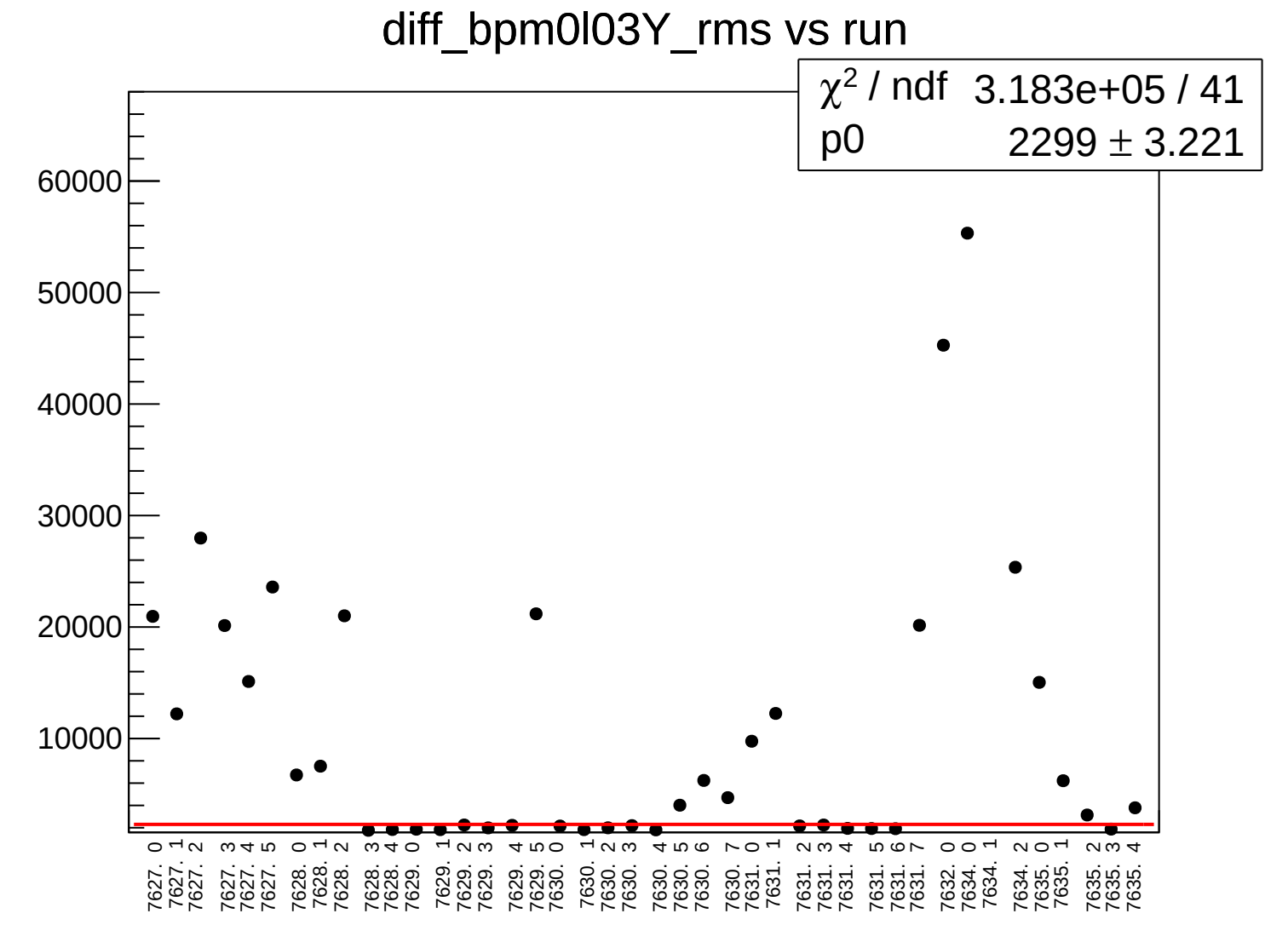

diff_bpm0l03X_mean vs run
χ² / ndf 37.2 / 41
p0 −7.057 ± 4.282
pull
Entries 42
Mean 29.05
Std Dev 0

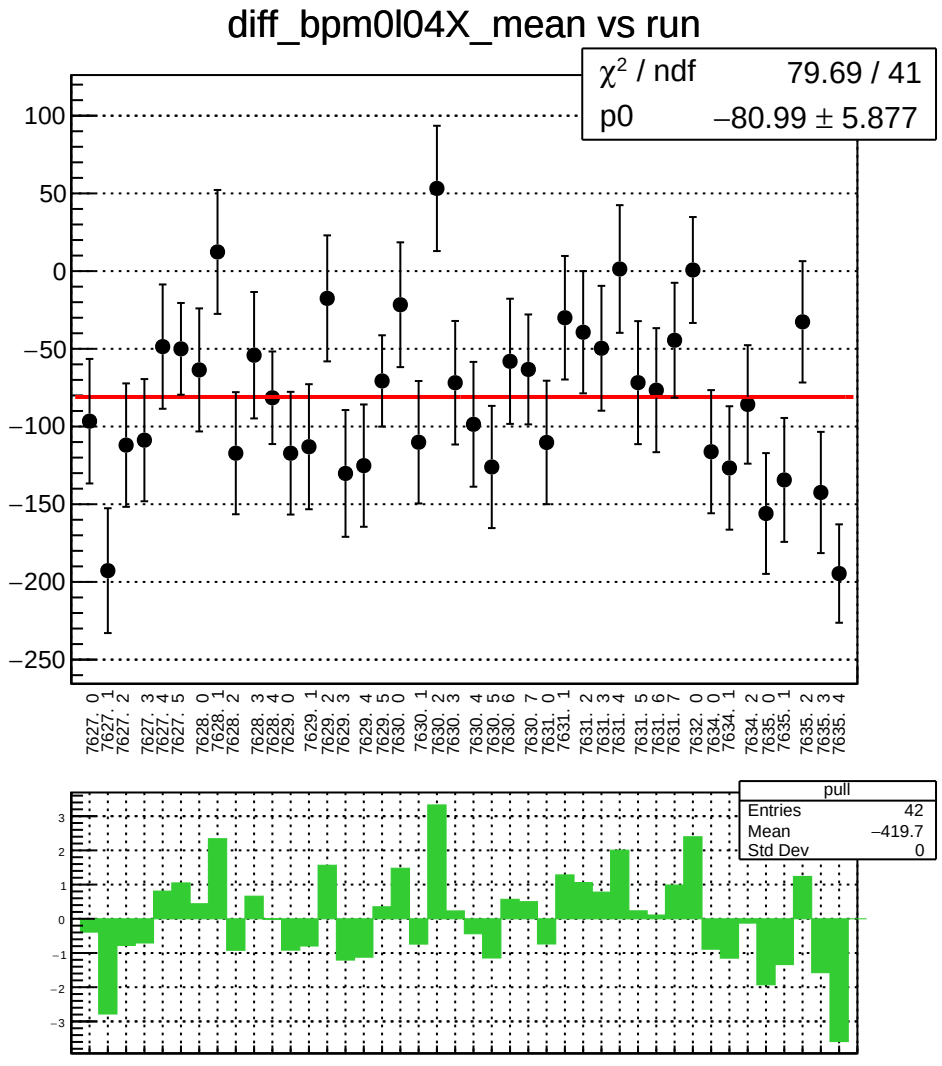

pull1D
Entries 42
Mean 0.07703
Std Dev 0.938

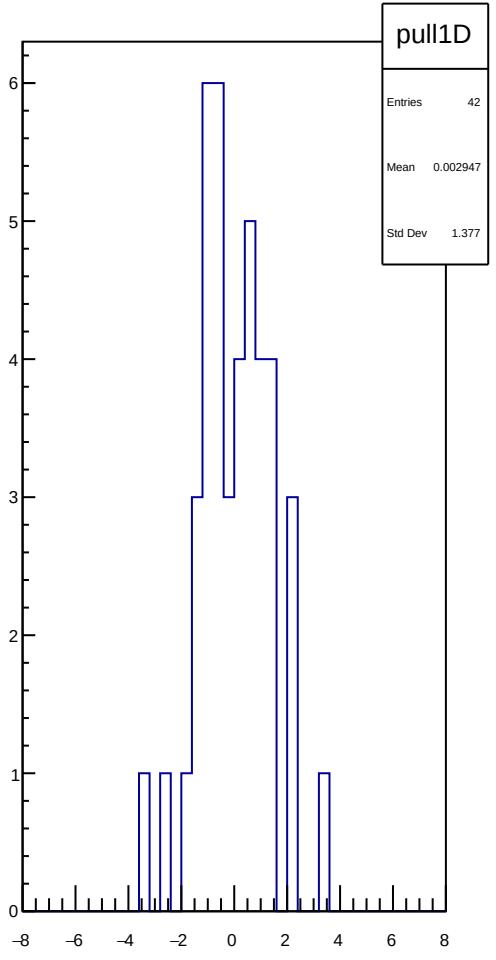

diff_bpm0l03X_rms vs run
χ² / ndf 3.277e+05 / 41
p0 2141 ± 3.028
60000
50000
40000
30000
20000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

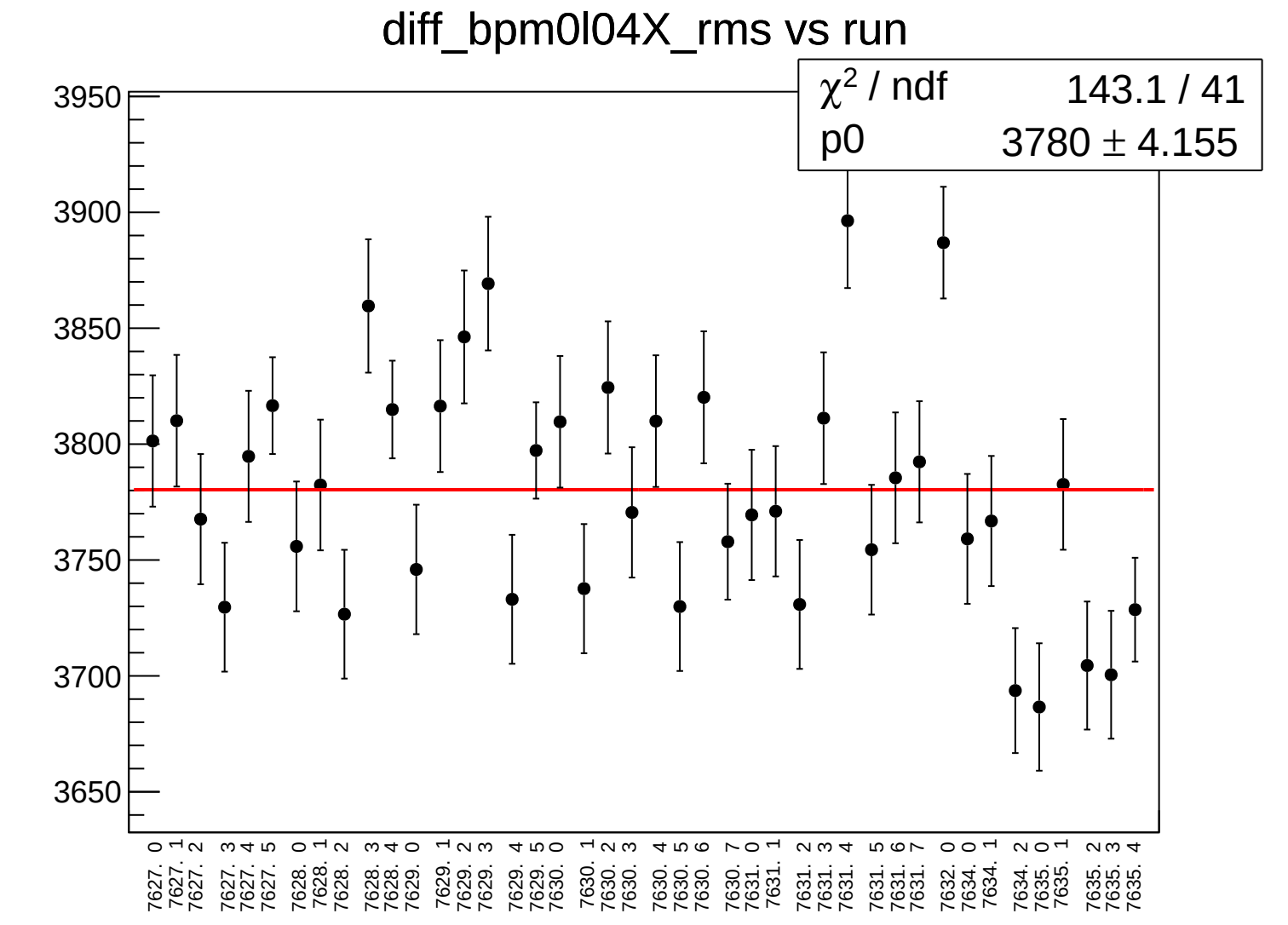

diff_bpm0l03Y_mean vs run
χ² / ndf 72.26 / 41
p0 −66.1 ± 4.555
pull
Entries 42
Mean 114.5
Std Dev 0

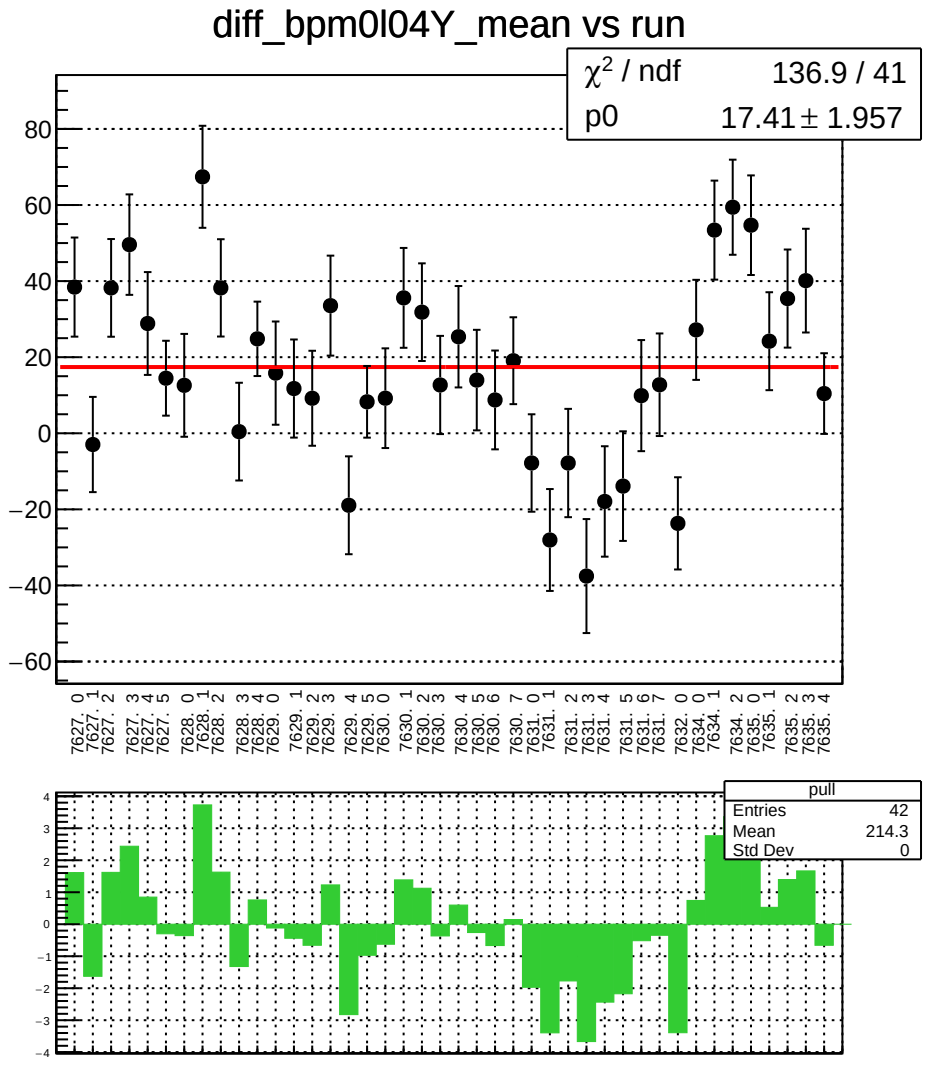

pull1D
Entries 42
Mean 0.03216
Std Dev 1.311

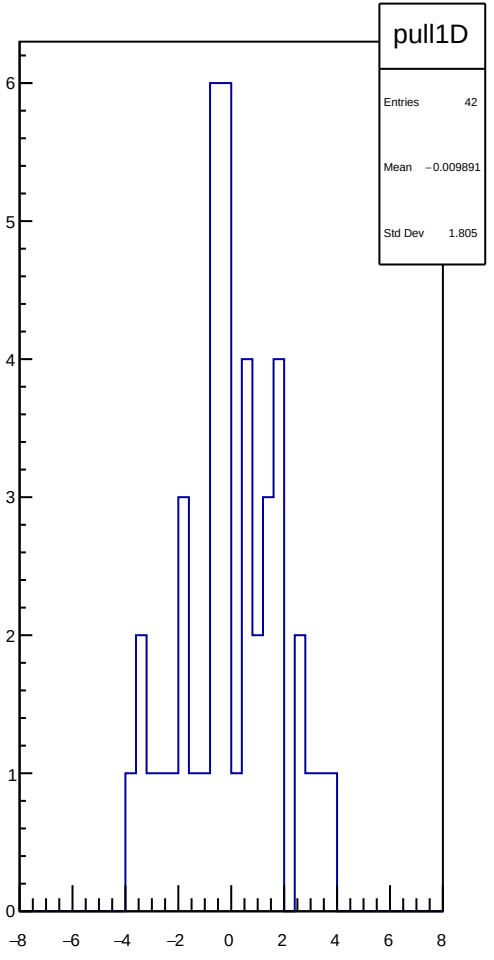

diff_bpm0l03Y_rms vs run
χ² / ndf 3.183e+05 / 41
p0 2299 ± 3.221
60000
50000
40000
30000
20000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

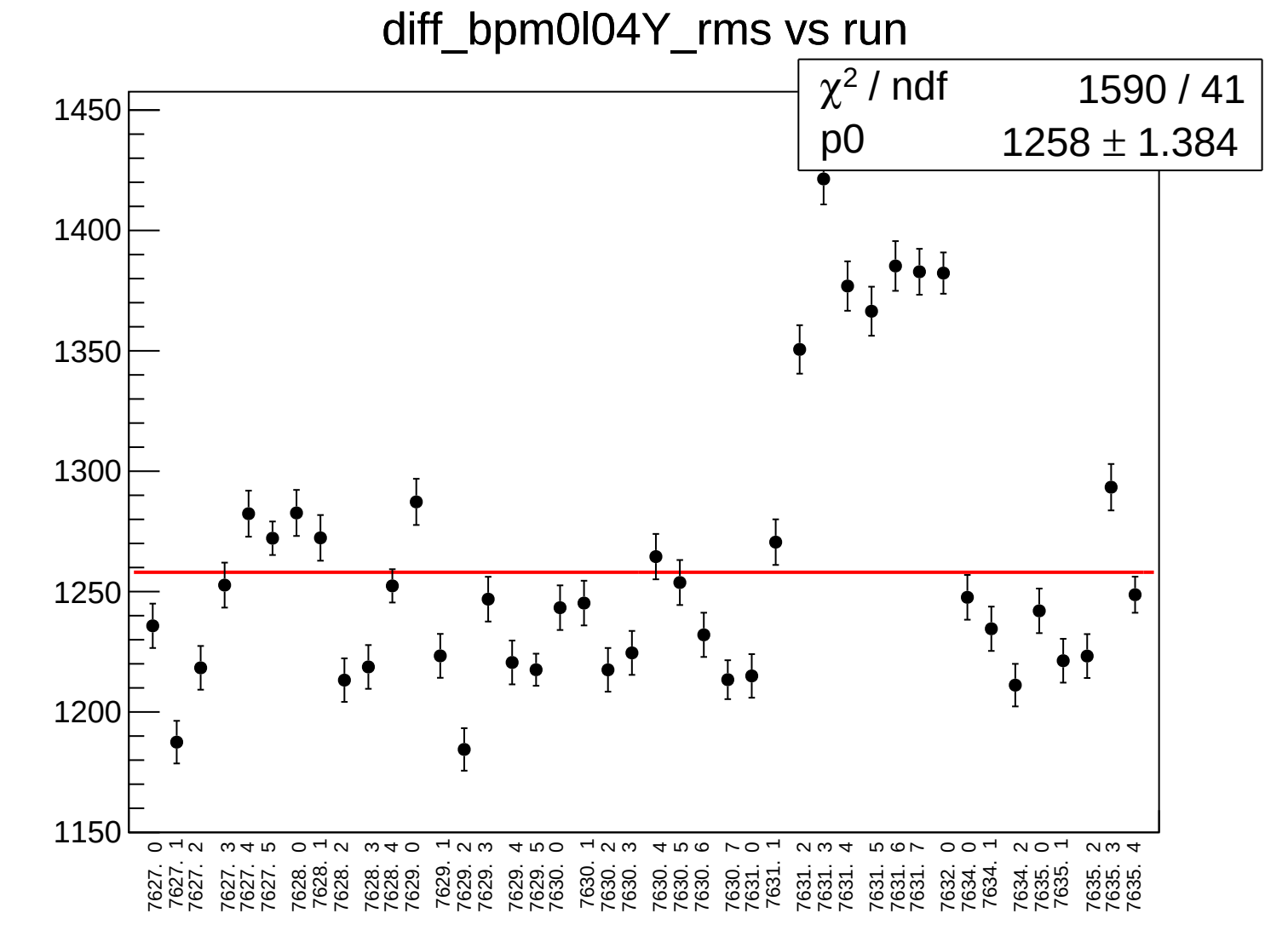

diff_bpm0l04X_mean vs run
χ² / ndf 79.69 / 41
p0 −80.99 ± 5.877
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −419.7
Std Dev 0
3
2
1
0
−1
−2
−3

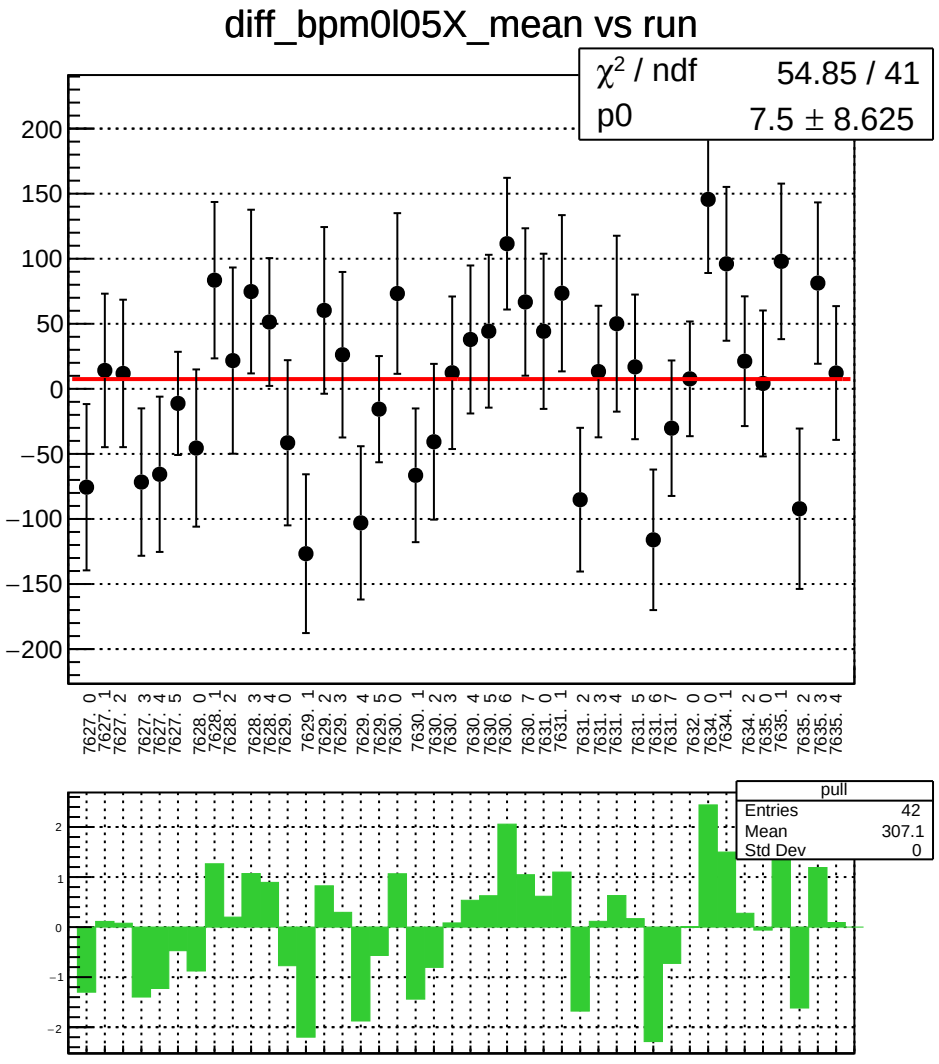

pull1D
Entries 42
Mean 0.002947
Std Dev 1.377
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

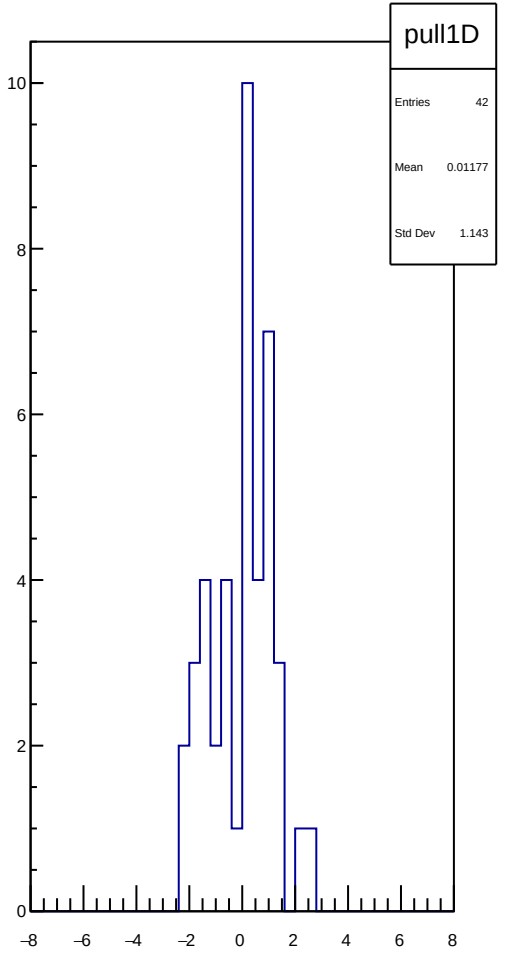

diff_bpm0l04X_rms vs run
χ² / ndf 143.1 / 41
p0 3780 ± 4.155
3950
3900
3850
3800
3750
3700
3650
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

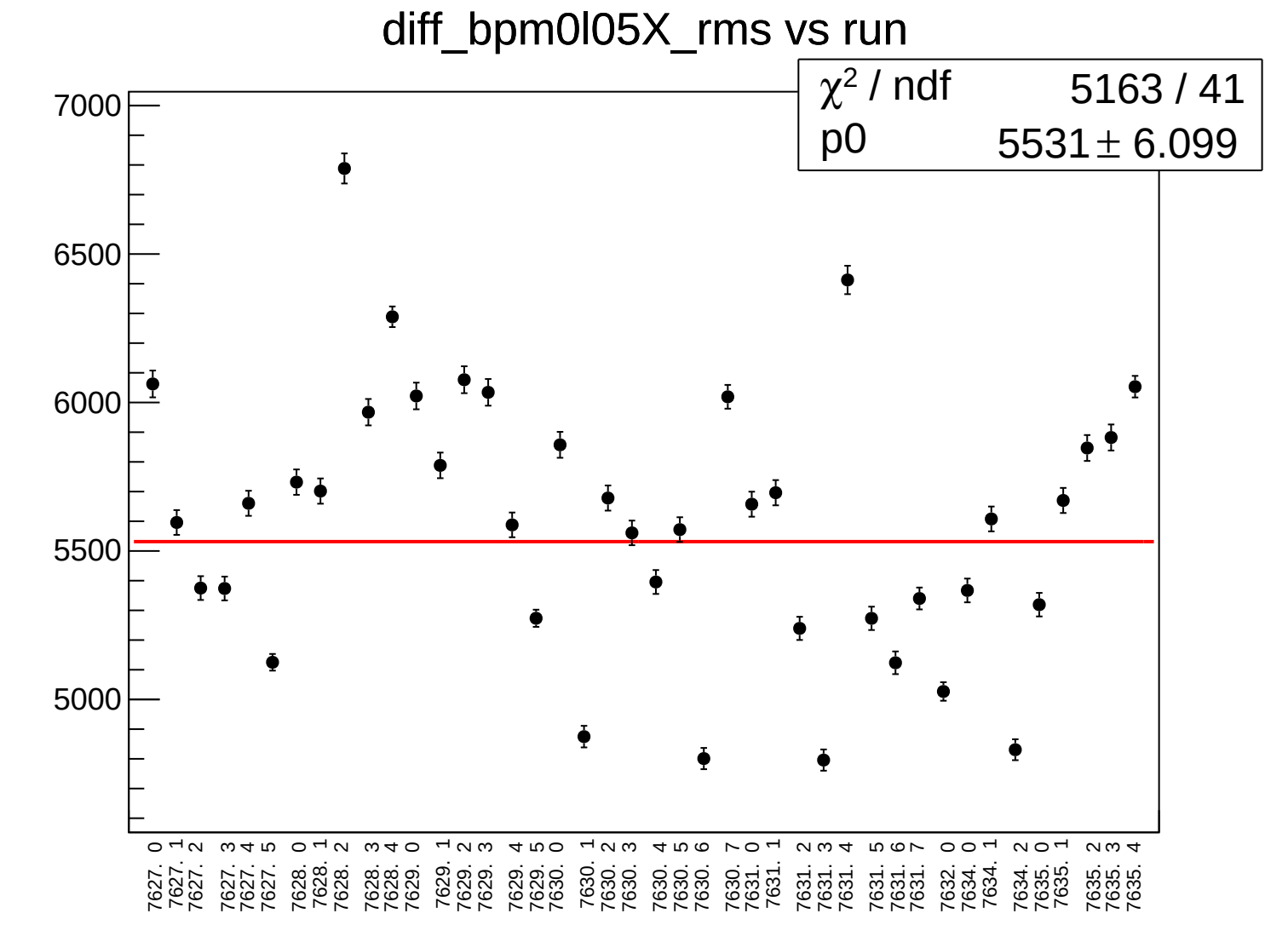

diff_bpm0l04Y_mean vs run
χ² / ndf 136.9 / 41
p0 17.41 ± 1.957
pull
Entries 42
Mean 214.3
Std Dev 0

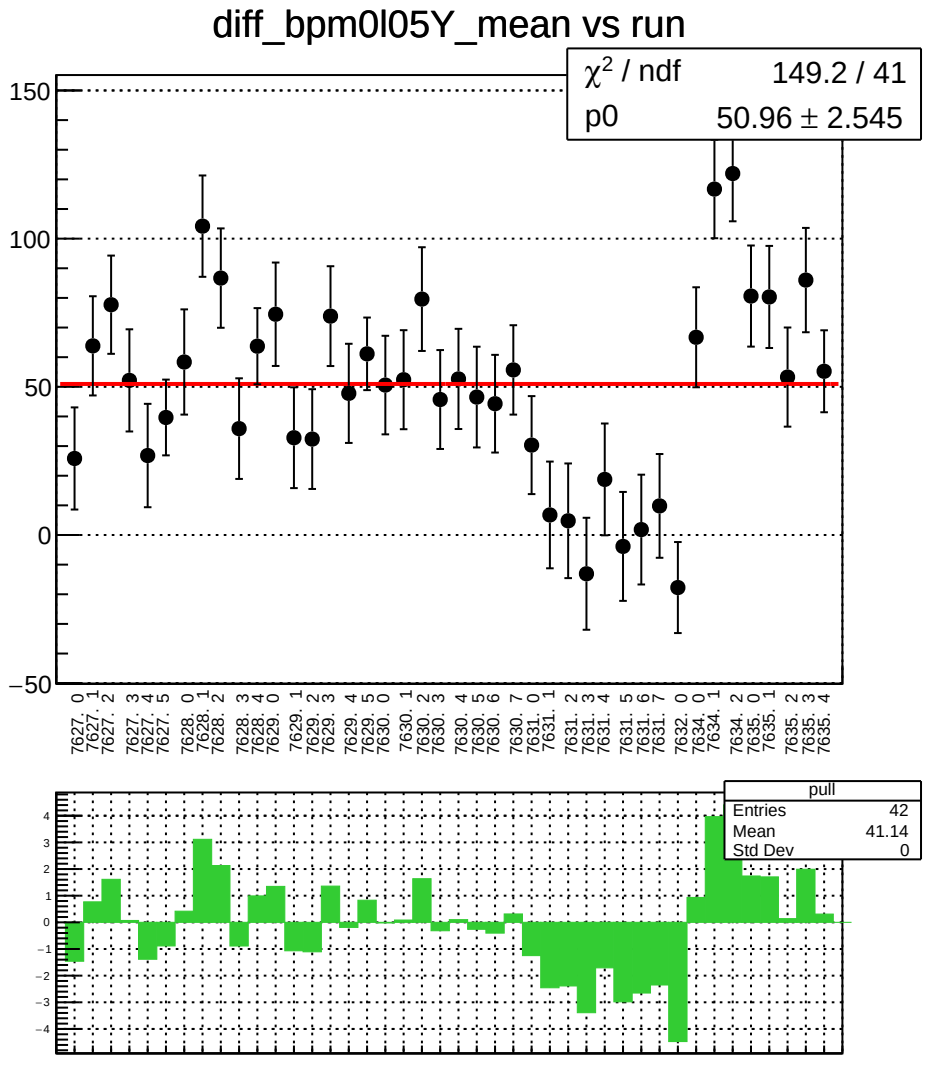

pull1D
Entries 42
Mean −0.009891
Std Dev 1.805

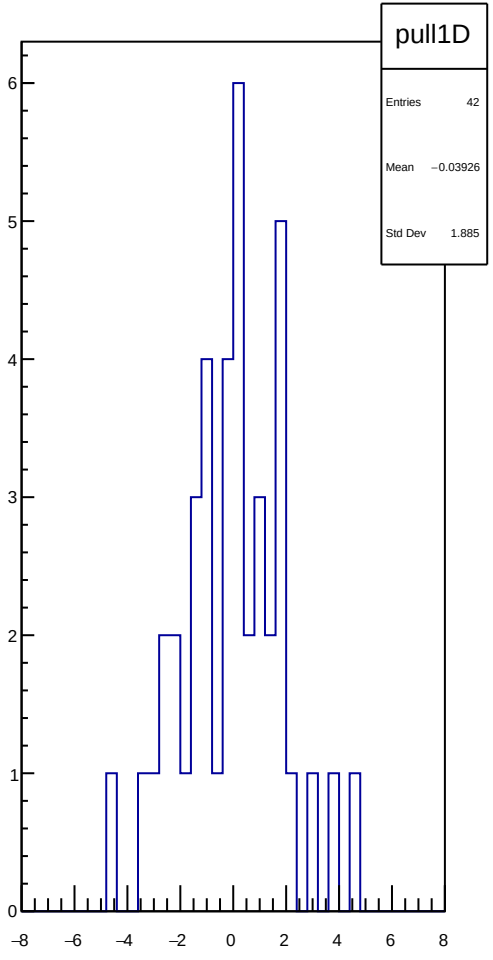

diff_bpm0l04Y_rms vs run
χ² / ndf 1590 / 41
p0 1258 ± 1.384
1450
1400
1350
1300
1250
1200
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

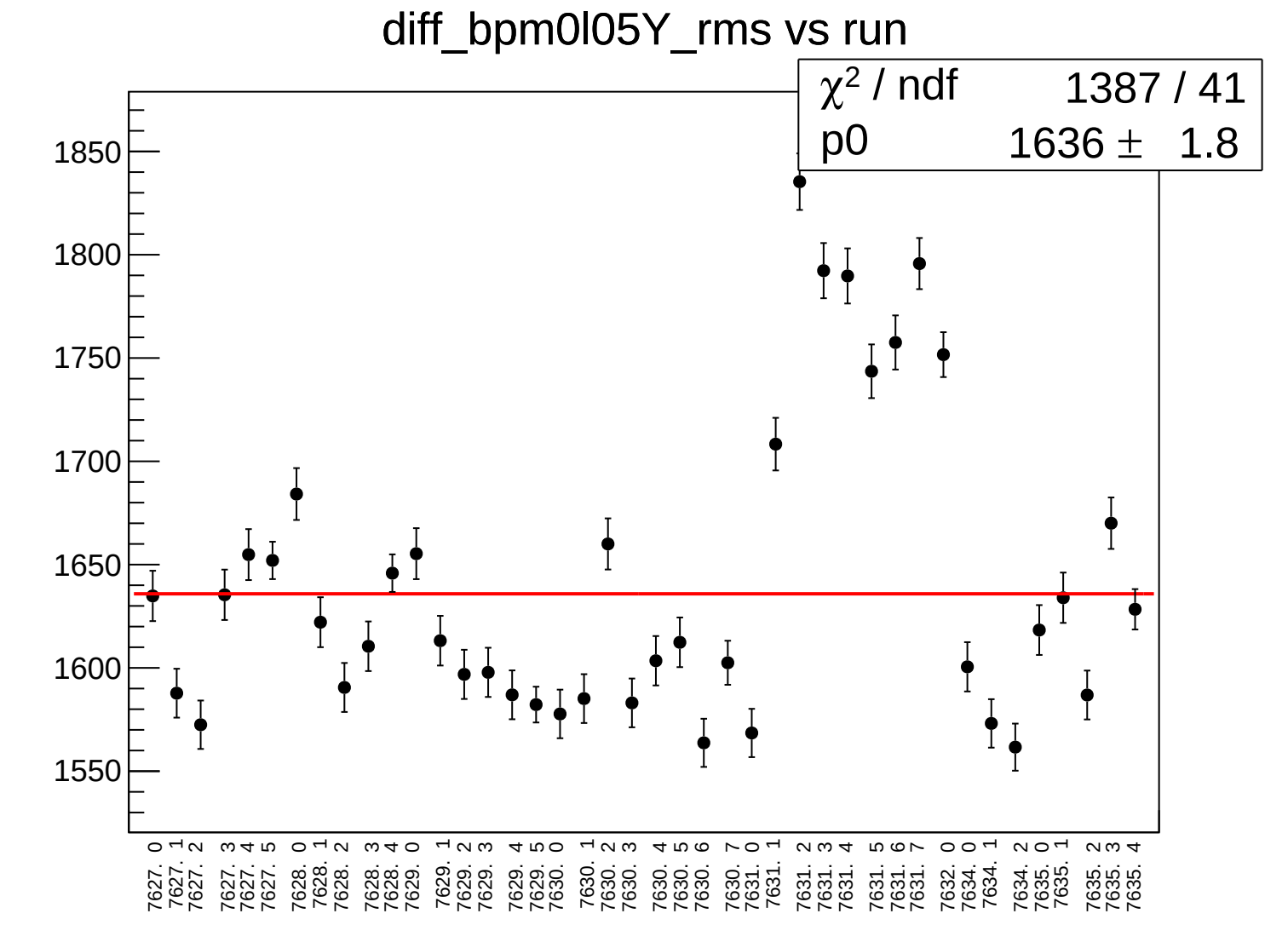

diff_bpm0l05X_mean vs run
χ² / ndf 54.85 / 41
p0 7.5 ± 8.625
pull
Entries 42
Mean 307.1
Std Dev 0

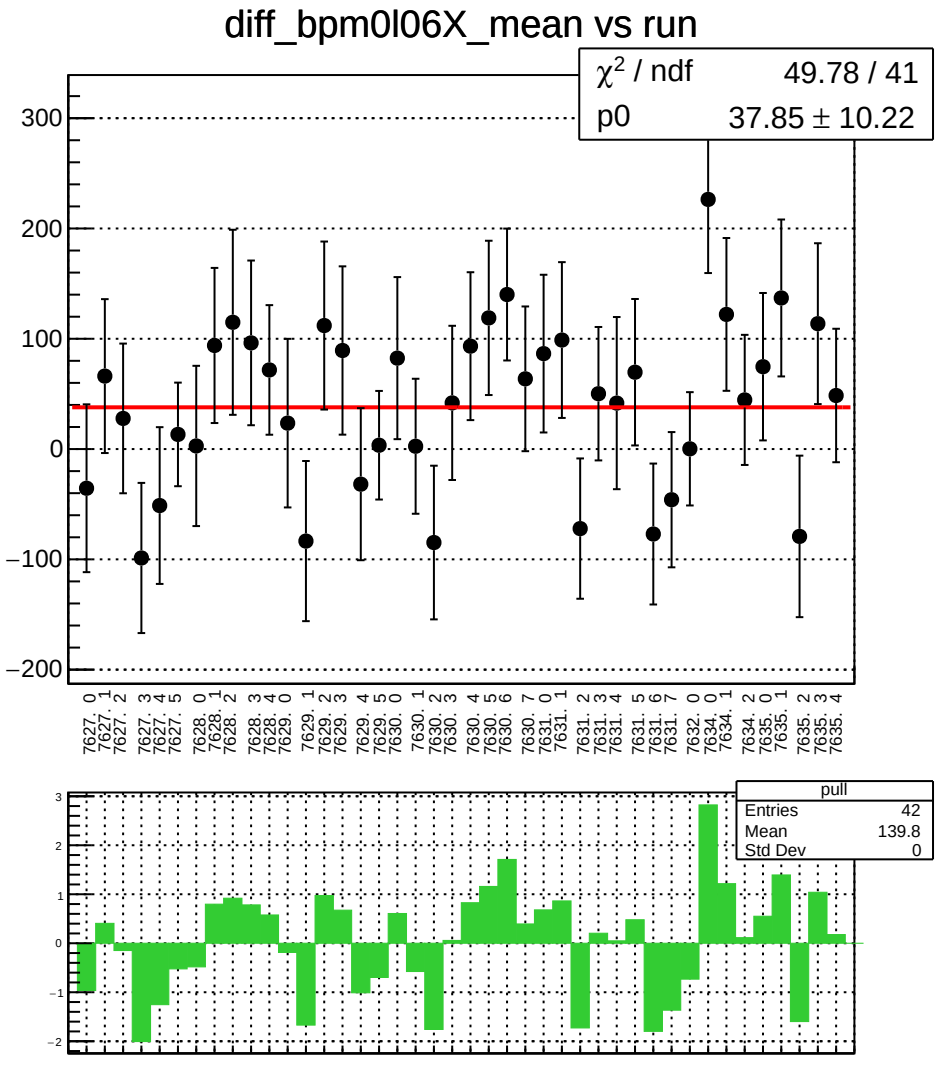

pull1D
Entries 42
Mean 0.01177
Std Dev 1.143

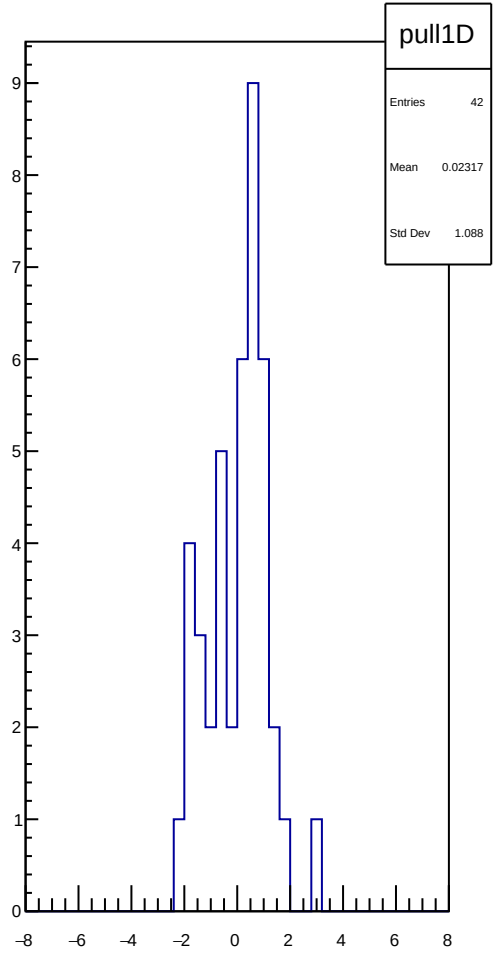

diff_bpm0l05X_rms vs run
χ² / ndf 5163 / 41
p0 5531 ± 6.099
7000
6500
6000
5500
5000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

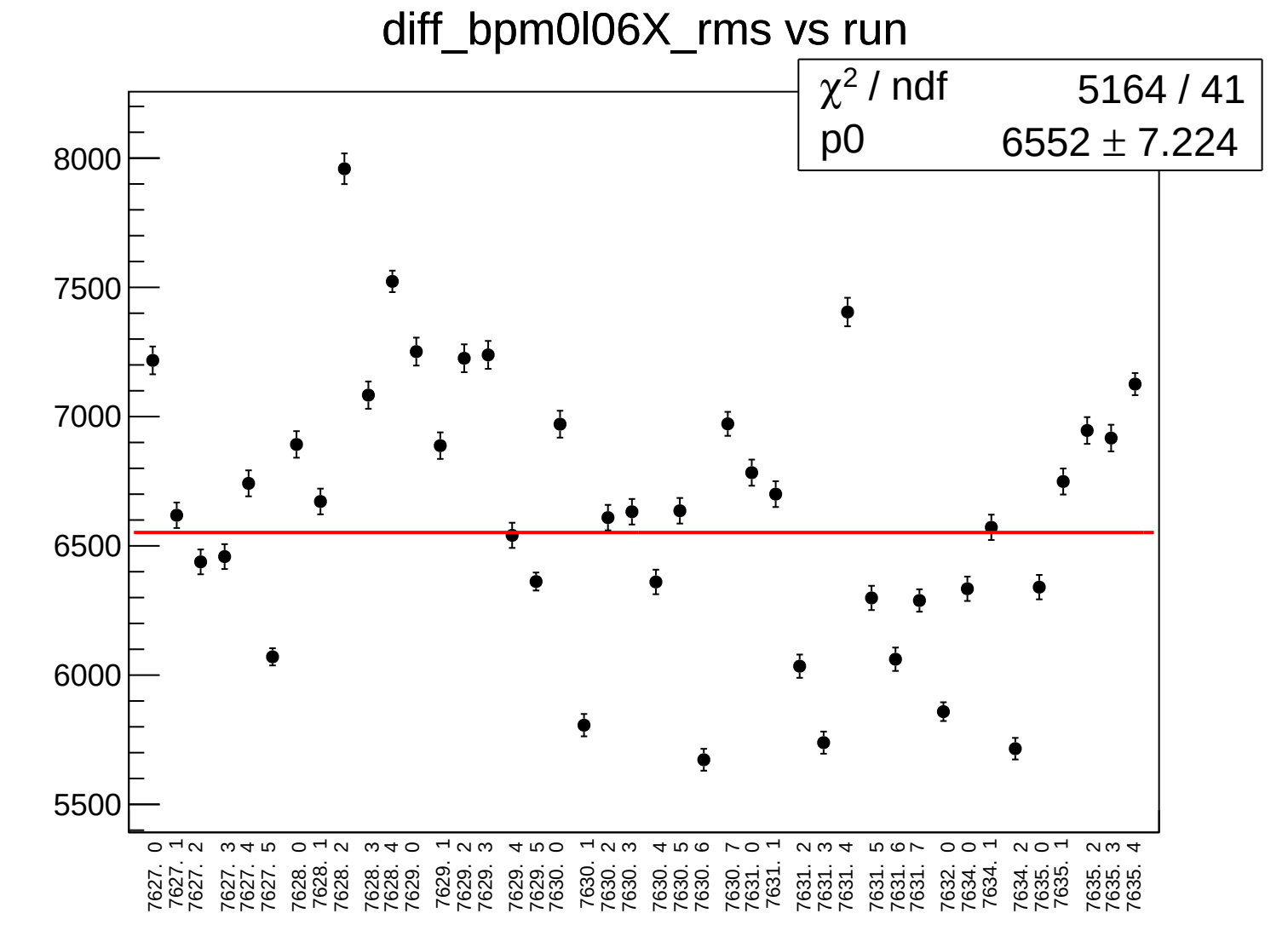

diff_bpm0l05Y_mean vs run
χ² / ndf 149.2 / 41
p0 50.96 ± 2.545
150
100
50
0
−50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 41.14
Std Dev 0
4
3
2
1
0
−1
−2
−3
−4

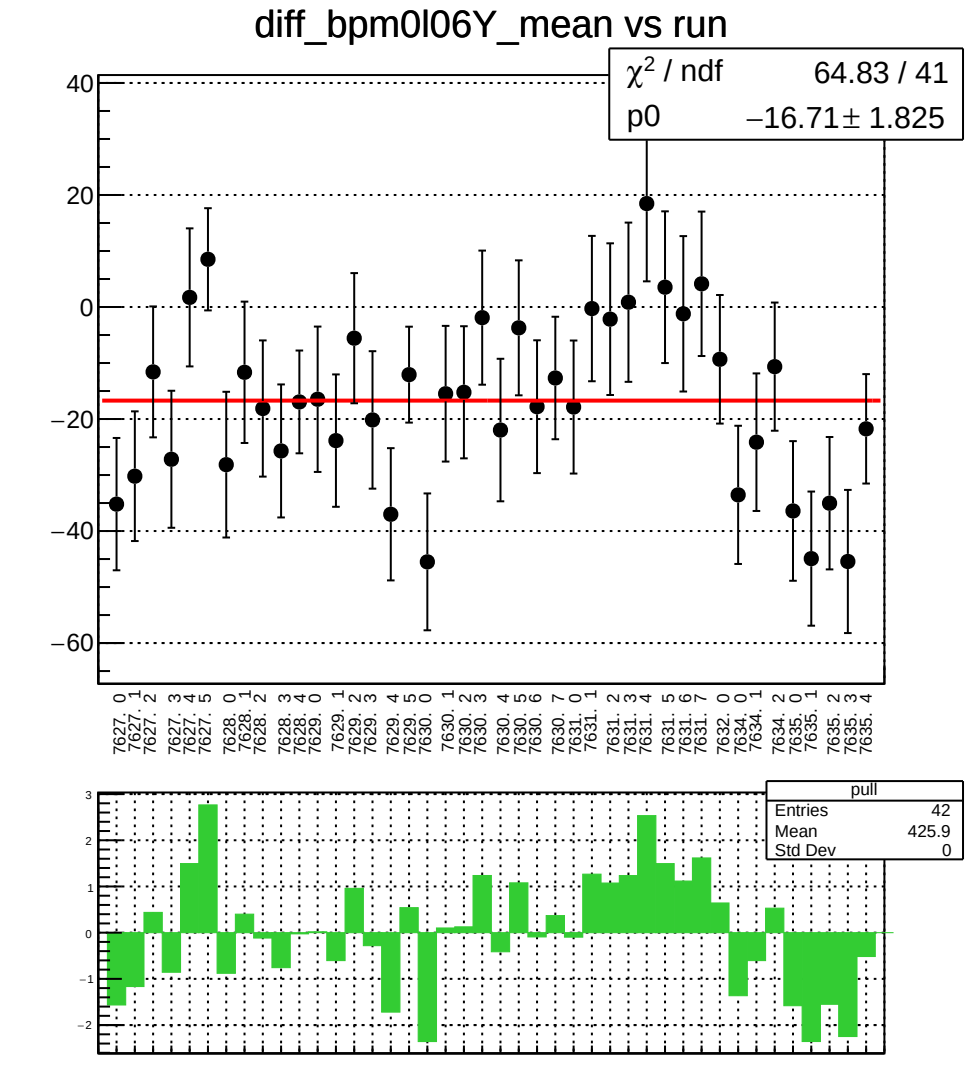

pull1D
Entries 42
Mean −0.03926
Std Dev 1.885
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

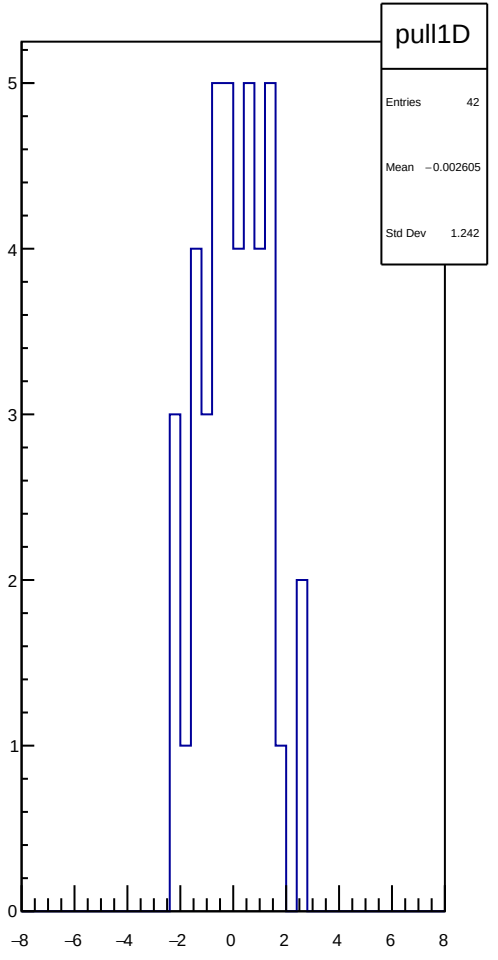

diff_bpm0l05Y_rms vs run
χ² / ndf 1387 / 41
p0 1636 ± 1.8
1850
1800
1750
1700
1650
1600
1550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

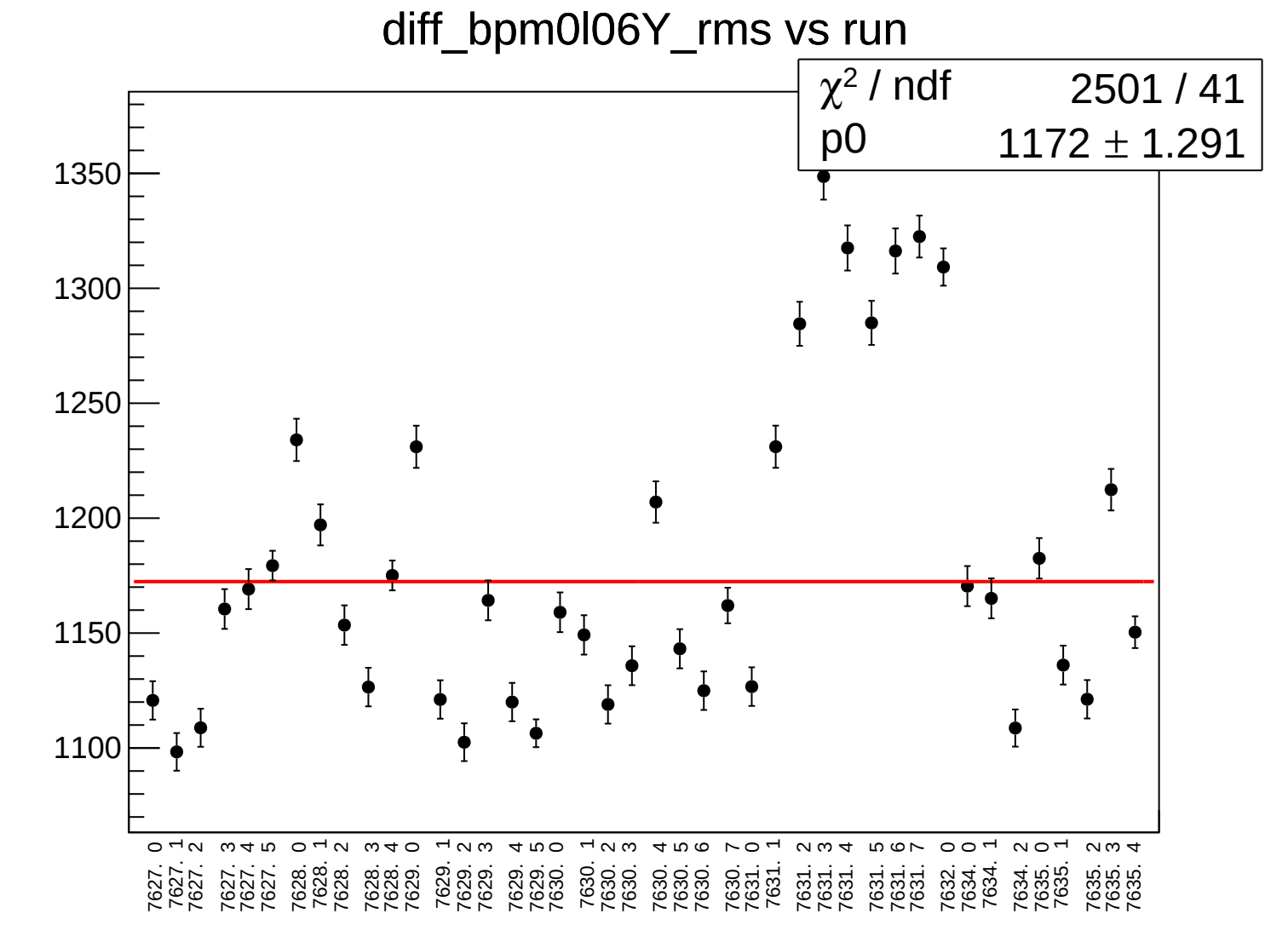

diff_bpm0l06X_mean vs run
χ^2 / ndf 49.78 / 41
p0 37.85 ± 10.22
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 139.8
Std Dev 0
3
2
1
0
−1
−2

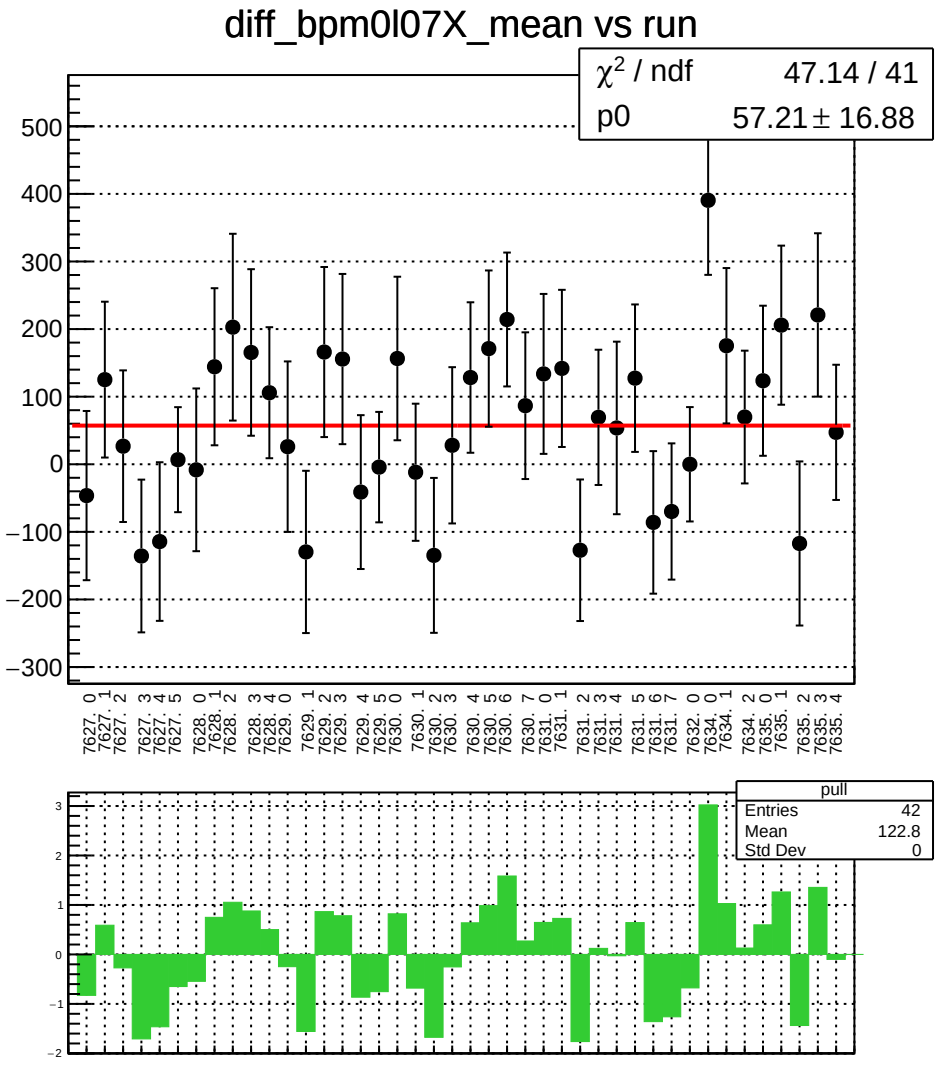

pull1D
Entries 42
Mean 0.02317
Std Dev 1.088
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

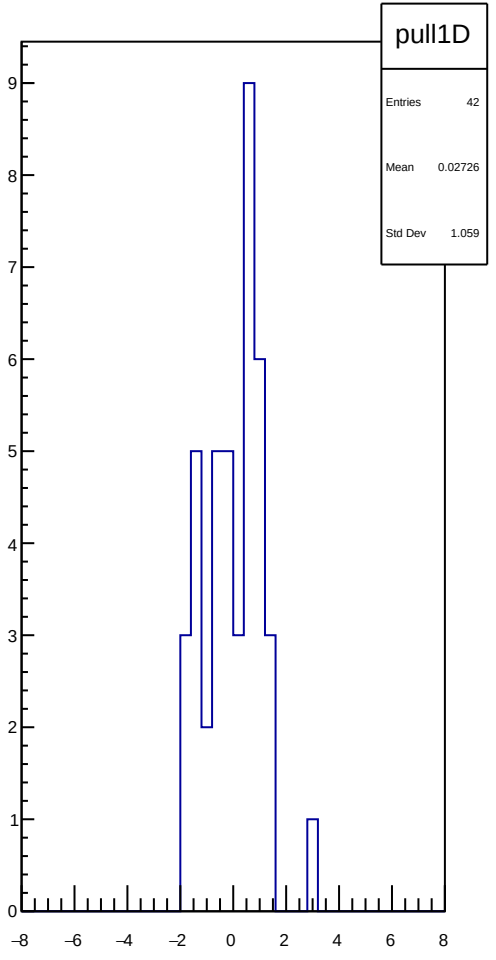

diff_bpm0l06X_rms vs run
χ² / ndf 5164 / 41
p0 6552 ± 7.224
8000
7500
7000
6500
6000
5500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

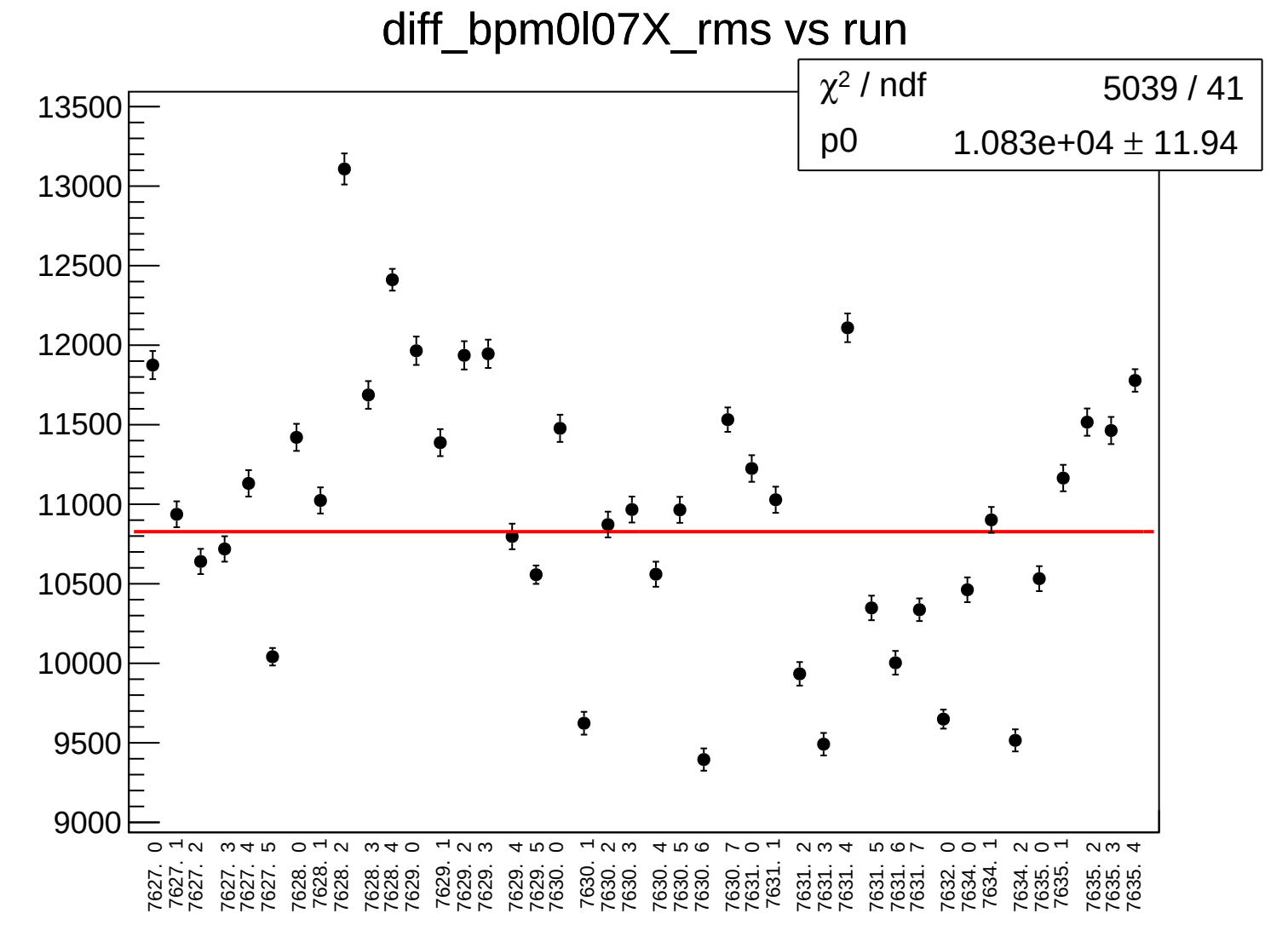

diff_bpm0l06Y_mean vs run
χ² / ndf 64.83 / 41
p0 −16.71± 1.825
pull
Entries 42
Mean 425.9
Std Dev 0

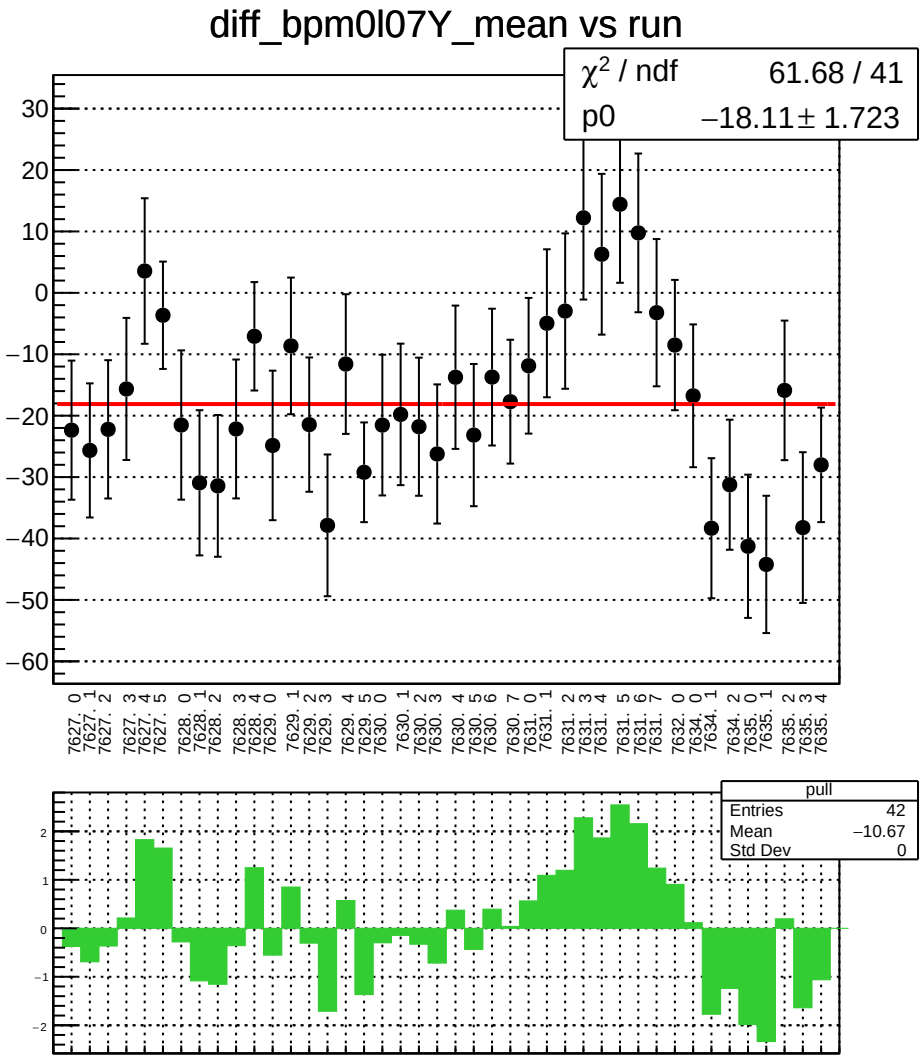

pull1D
Entries 42
Mean −0.002605
Std Dev 1.242

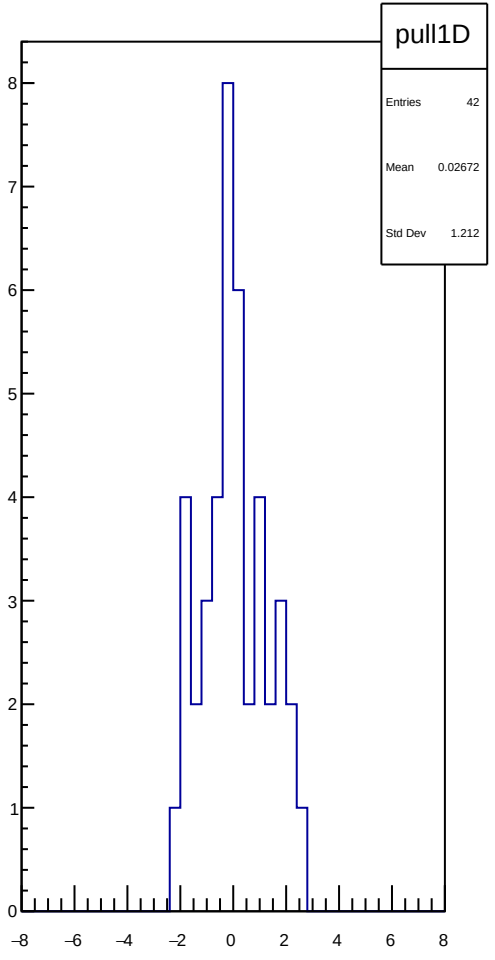

diff_bpm0l06Y_rms vs run
χ² / ndf 2501 / 41
p0 1172 ± 1.291
1350
1300
1250
1200
1150
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

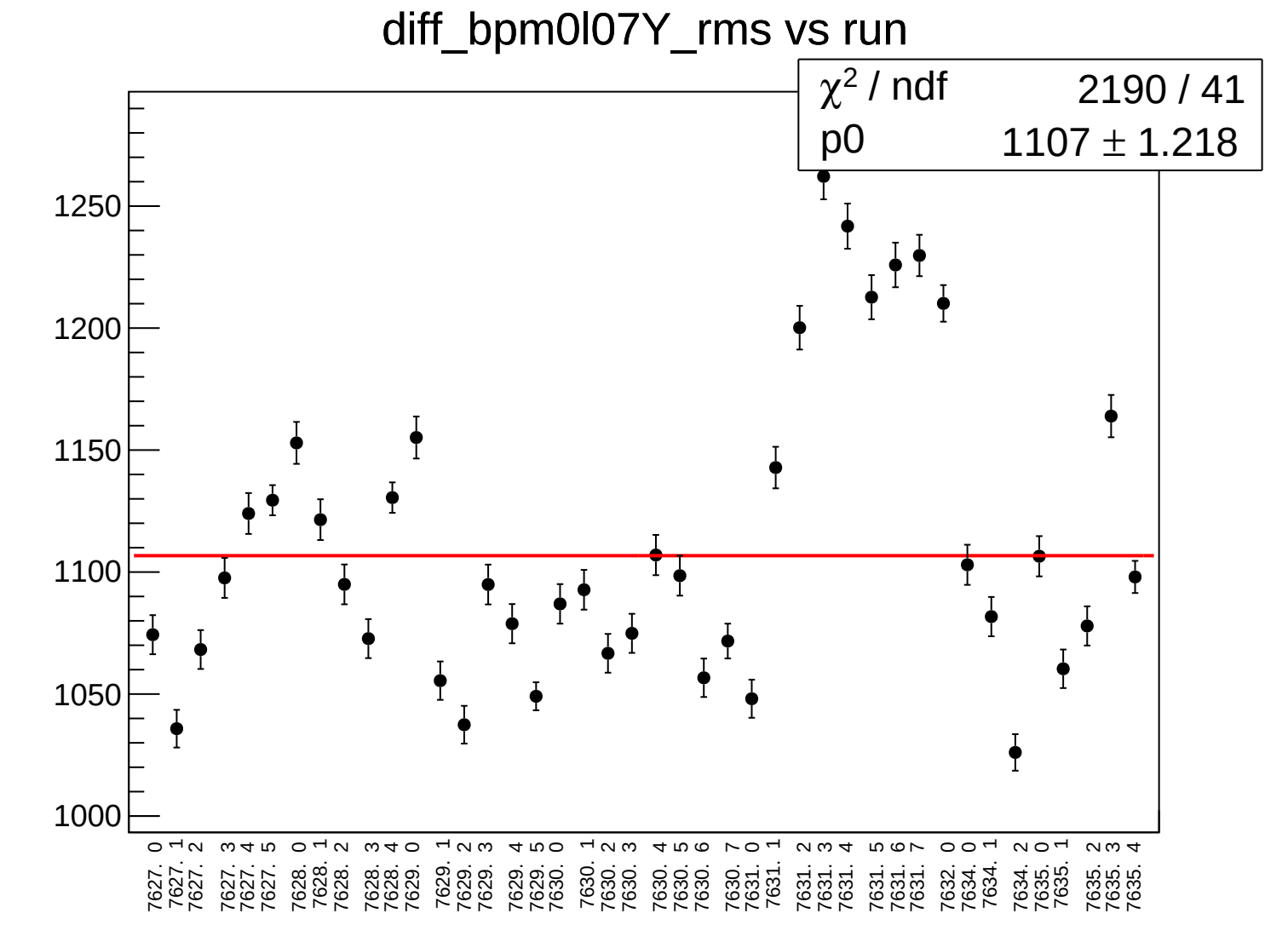

diff_bpm0l07X_mean vs run
χ² / ndf 47.14 / 41
p0 57.21 ± 16.88
pull
Entries 42
Mean 122.8
Std Dev 0

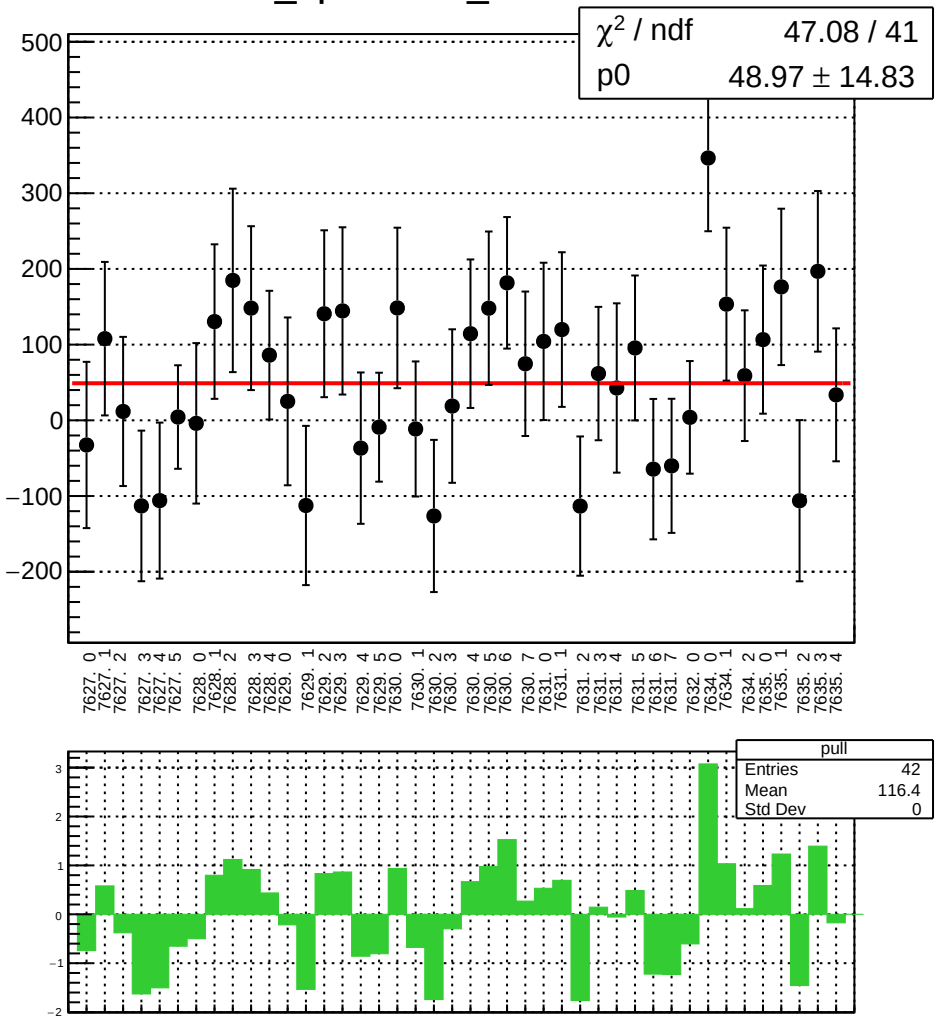

pull1D
Entries 42
Mean 0.02726
Std Dev 1.059

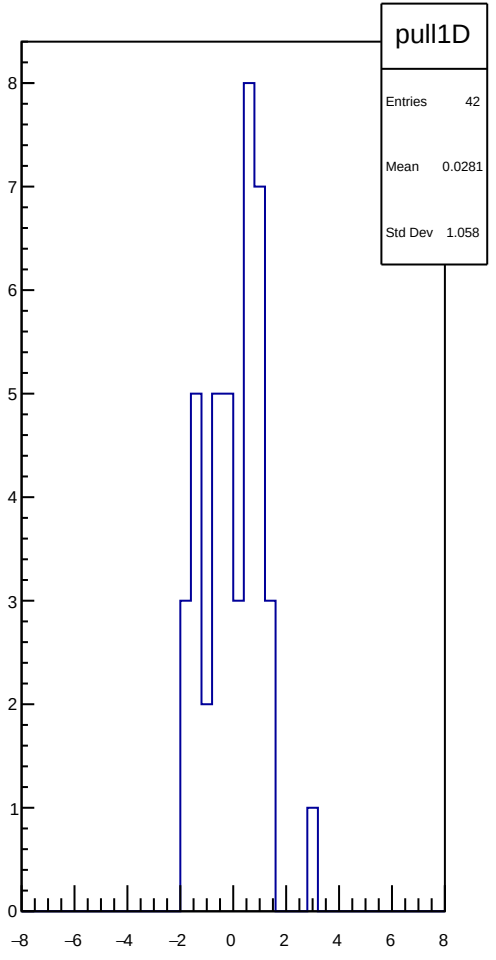

diff_bpm0l07X_rms vs run
χ² / ndf 5039 / 41
p0 1.083e+04 ± 11.94
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

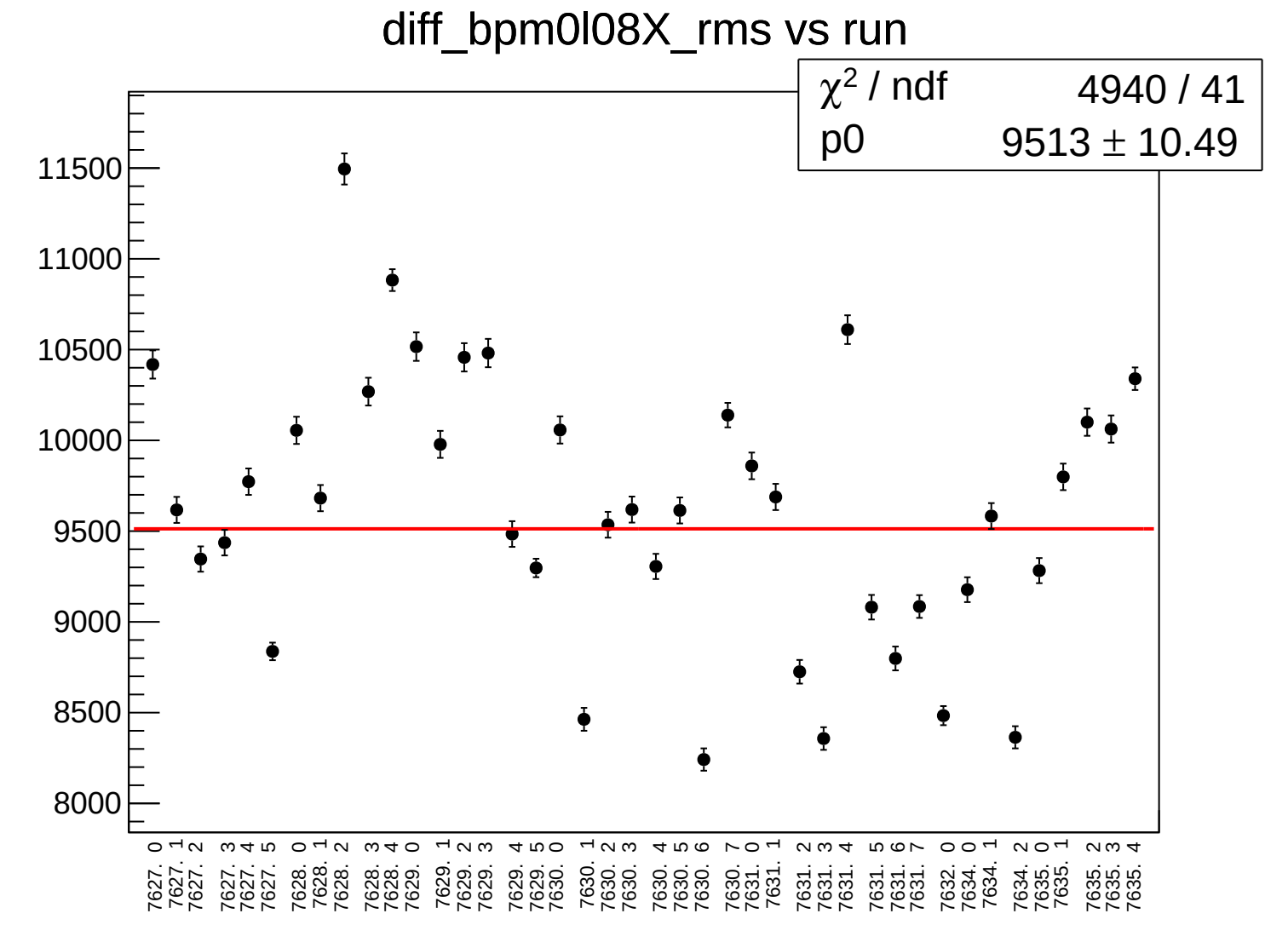

diff_bpm0l07Y_mean vs run
χ² / ndf 61.68 / 41
p0 −18.11± 1.723
pull
Entries 42
Mean −10.67
Std Dev 0

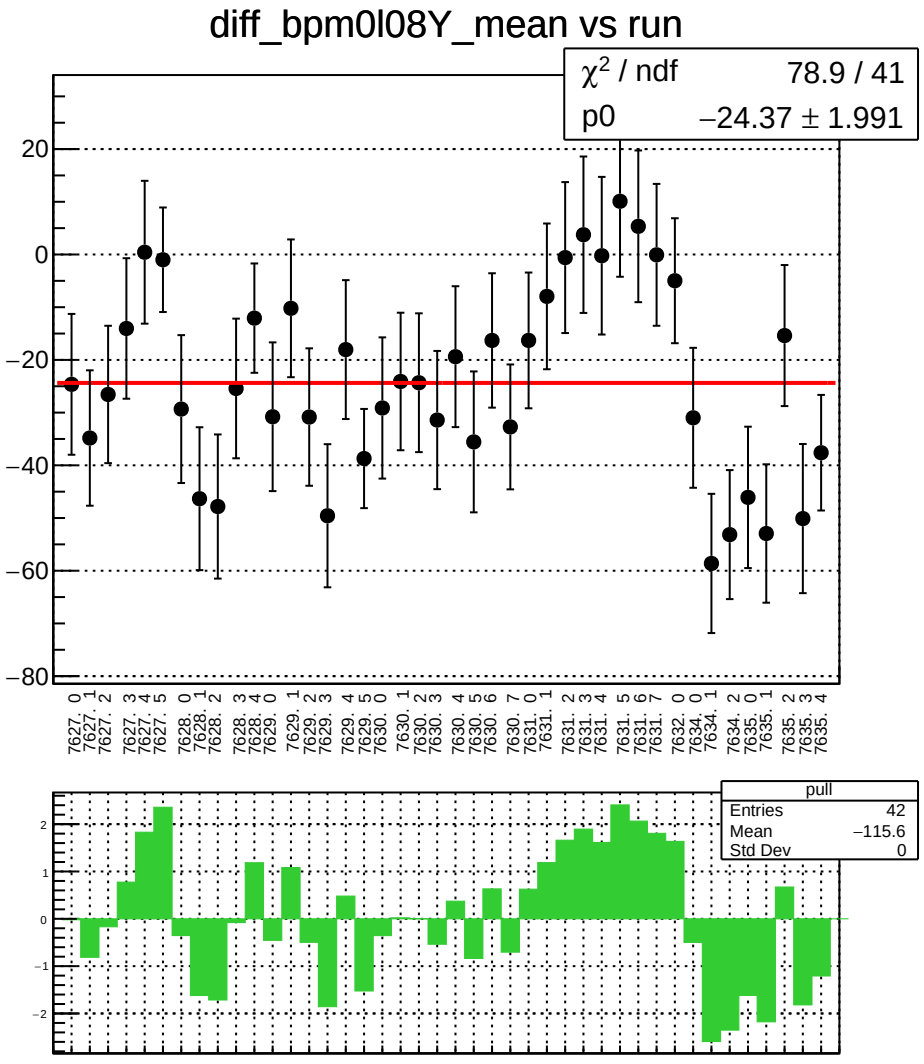

pull1D
Entries 42
Mean 0.02672
Std Dev 1.212

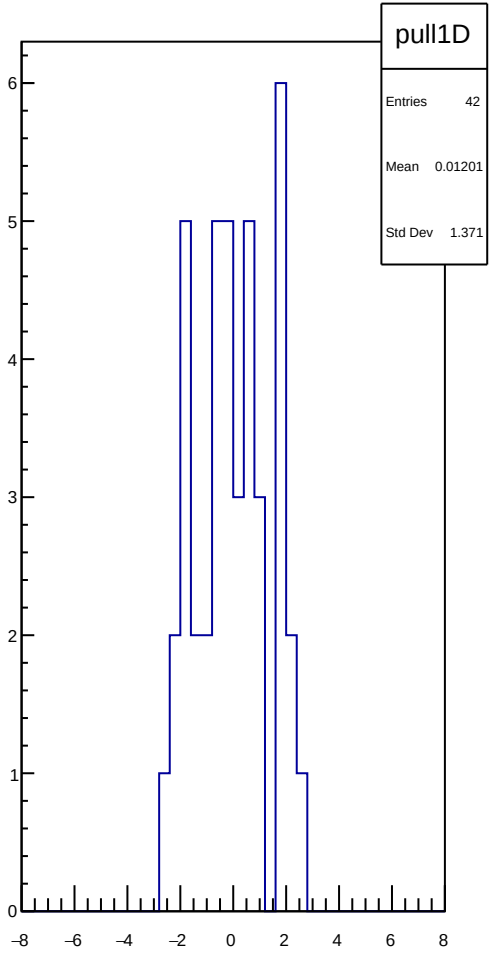

diff_bpm0l07Y_rms vs run
χ² / ndf 2190 / 41
p0 1107 ± 1.218
1250
1200
1150
1100
1050
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

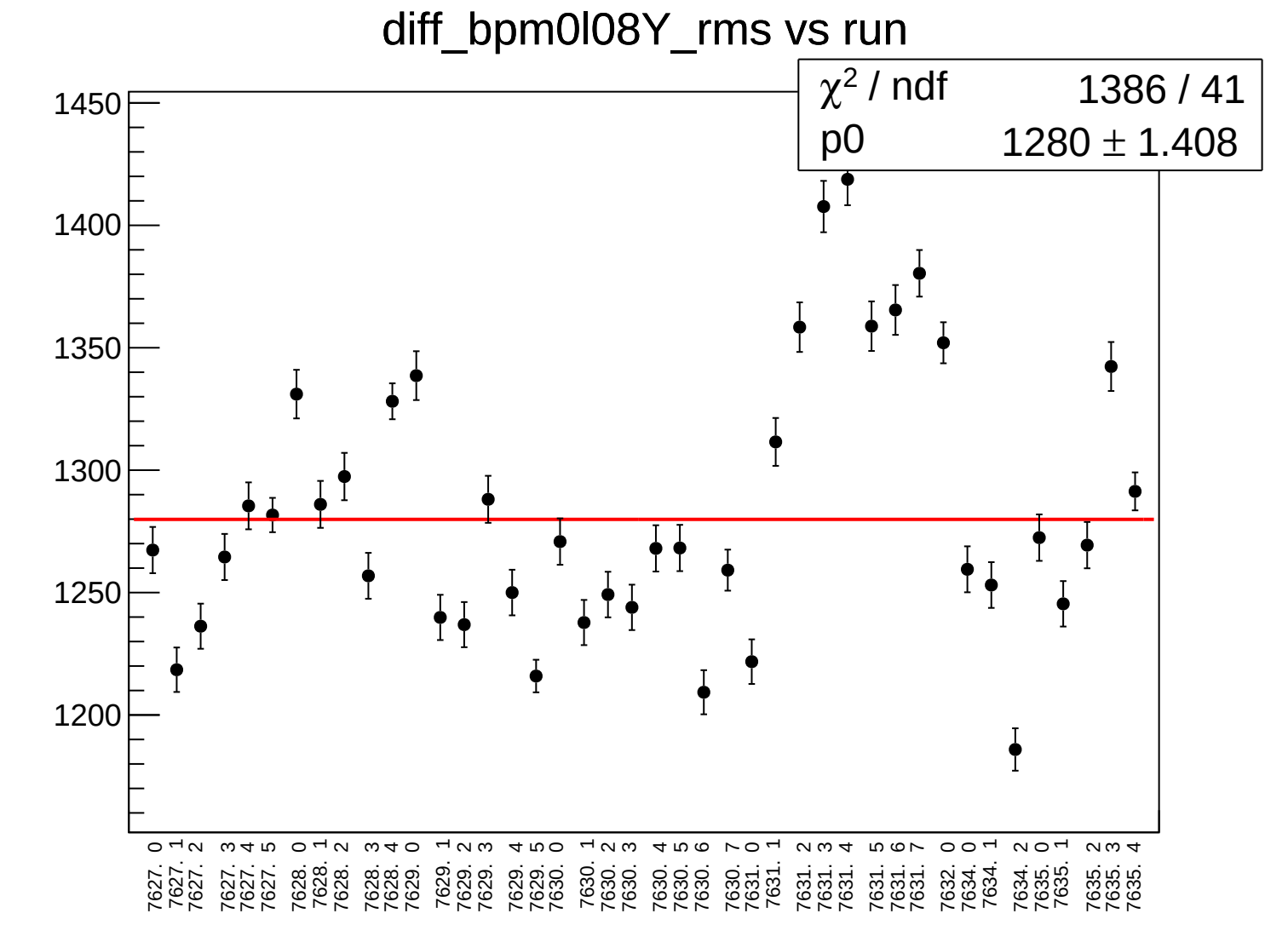

diff_bpm0l08X_mean vs run
χ² / ndf 47.08 / 41
p0 48.97 ± 14.83
pull
Entries 42
Mean 116.4
Std Dev 0

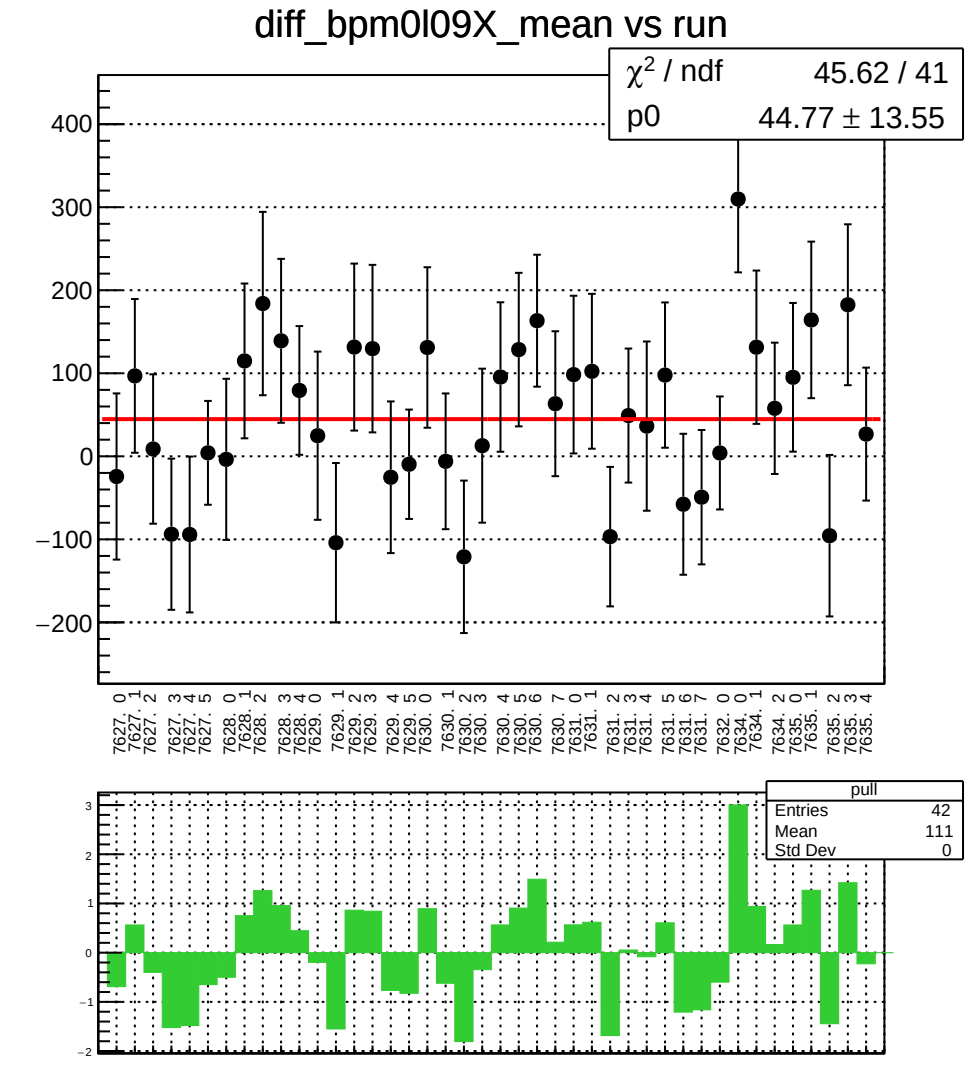

pull1D
Entries 42
Mean 0.0281
Std Dev 1.058

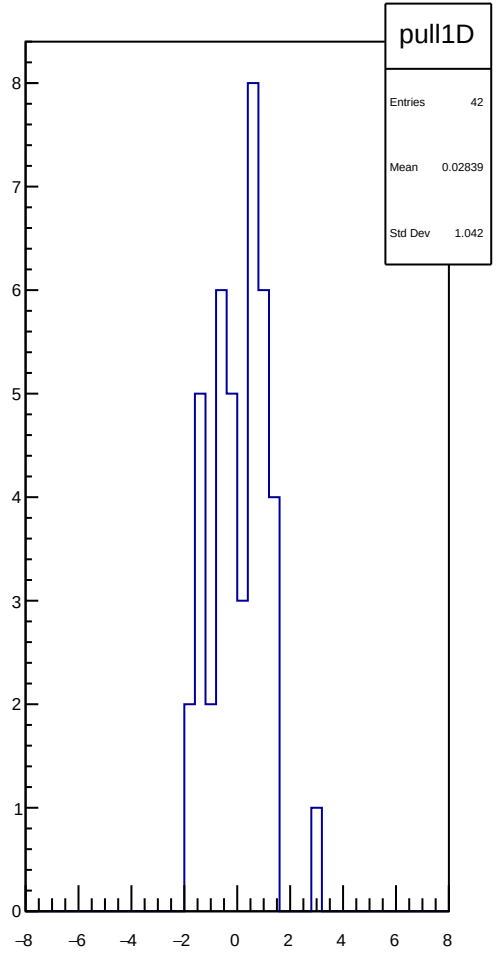

diff_bpm0l08X_rms vs run
χ² / ndf 4940 / 41
p0 9513 ± 10.49
11500
11000
10500
10000
9500
9000
8500
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

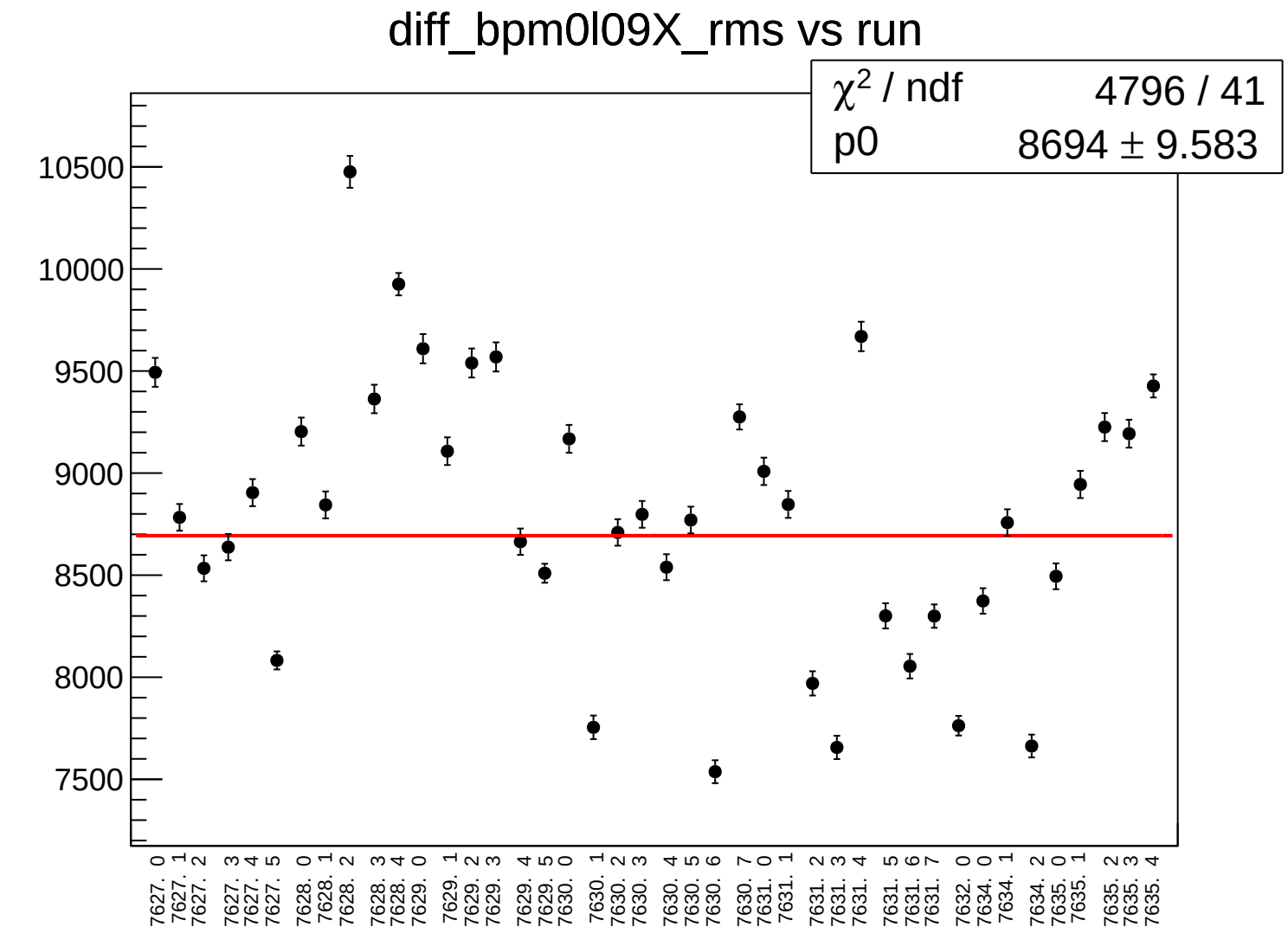

diff_bpm0l08Y_mean vs run
χ² / ndf 78.9 / 41
p0 −24.37 ± 1.991
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −115.6
Std Dev 0
2
1
0
−1
−2

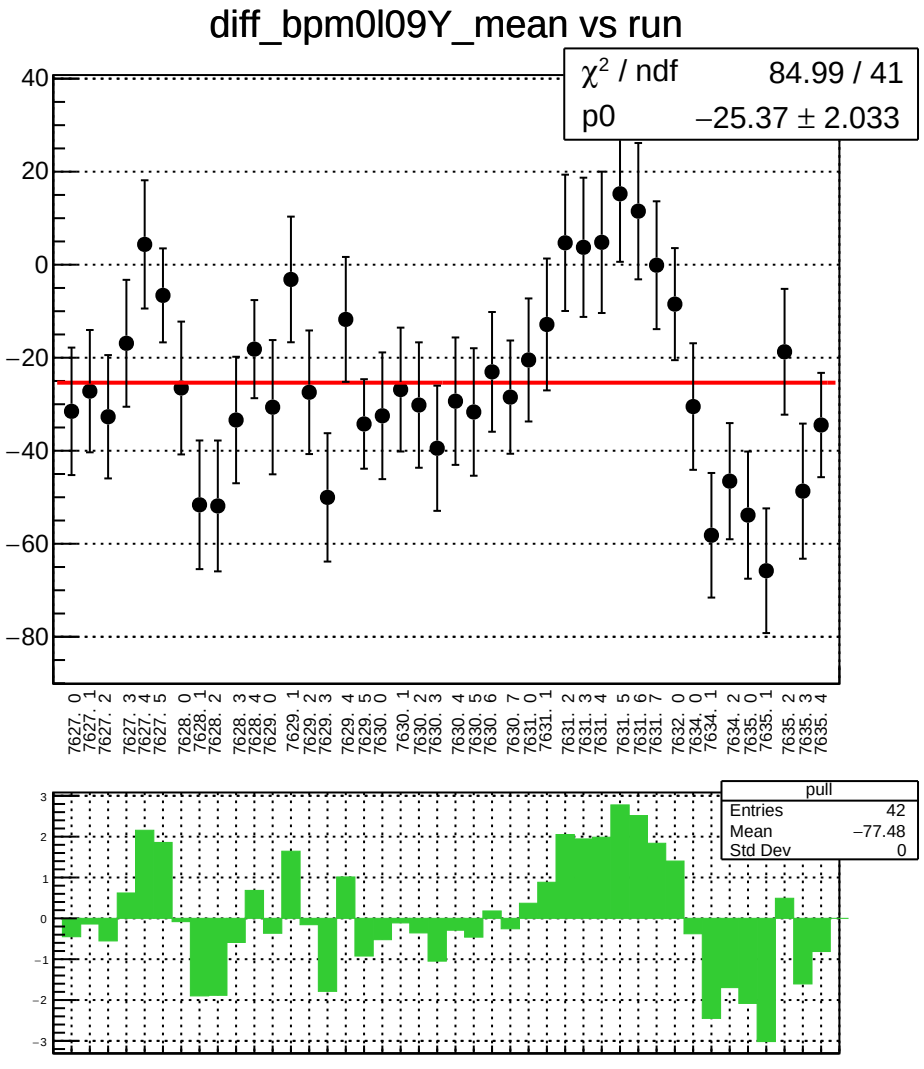

pull1D
Entries 42
Mean 0.01201
Std Dev 1.371
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

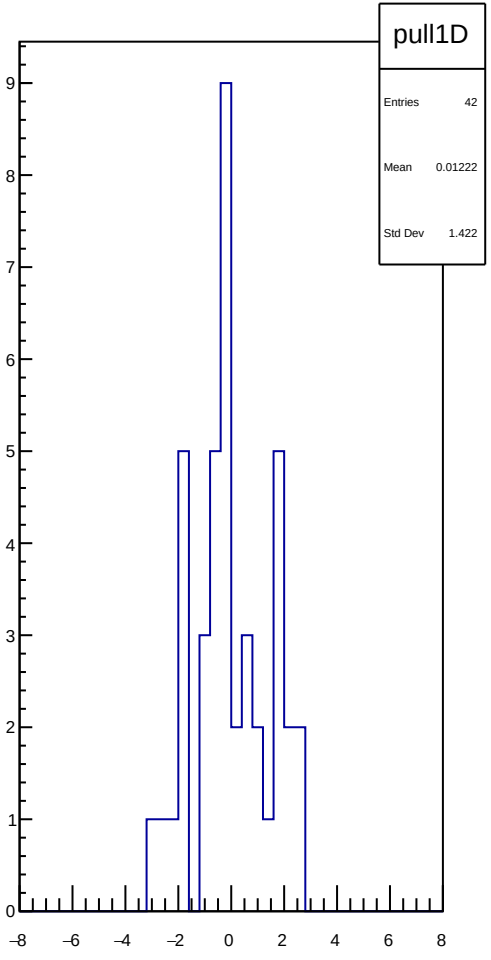

diff_bpm0l08Y_rms vs run
χ² / ndf 1386 / 41
p0 1280 ± 1.408
1450
1400
1350
1300
1250
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

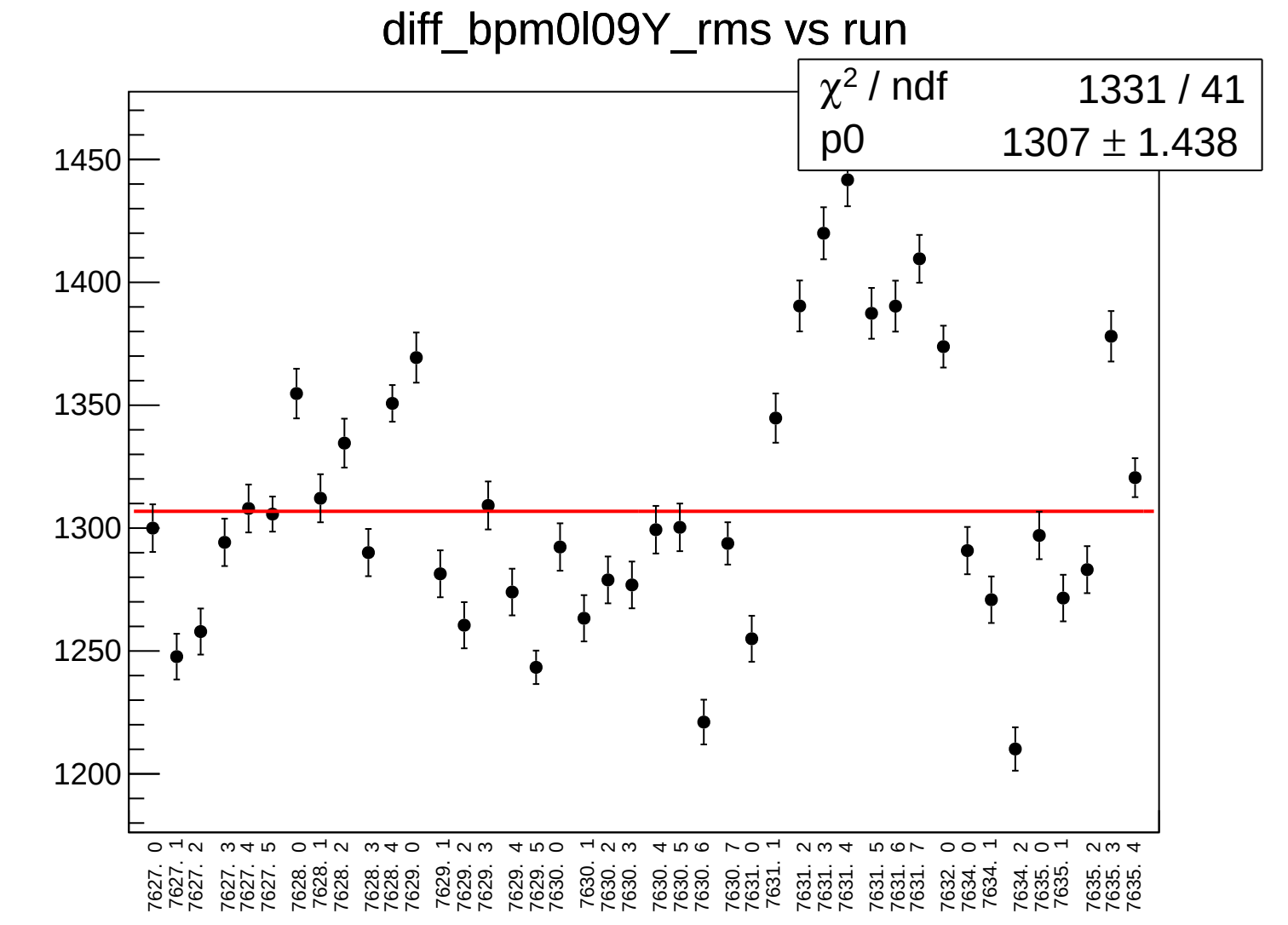

diff_bpm0l09X_mean vs run
χ² / ndf 45.62 / 41
p0 44.77 ± 13.55
400
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 111
Std Dev 0
3
2
1
0
−1
−2

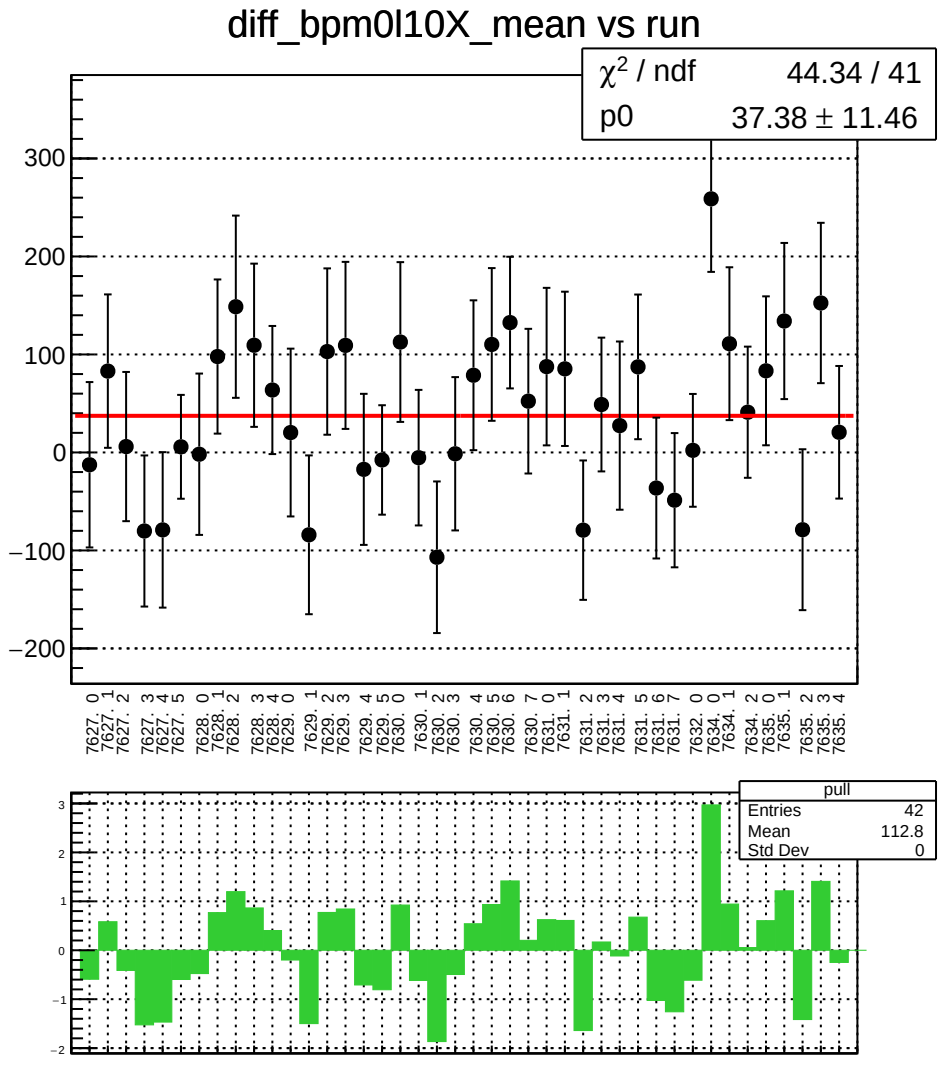

pull1D
Entries 42
Mean 0.02839
Std Dev 1.042
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

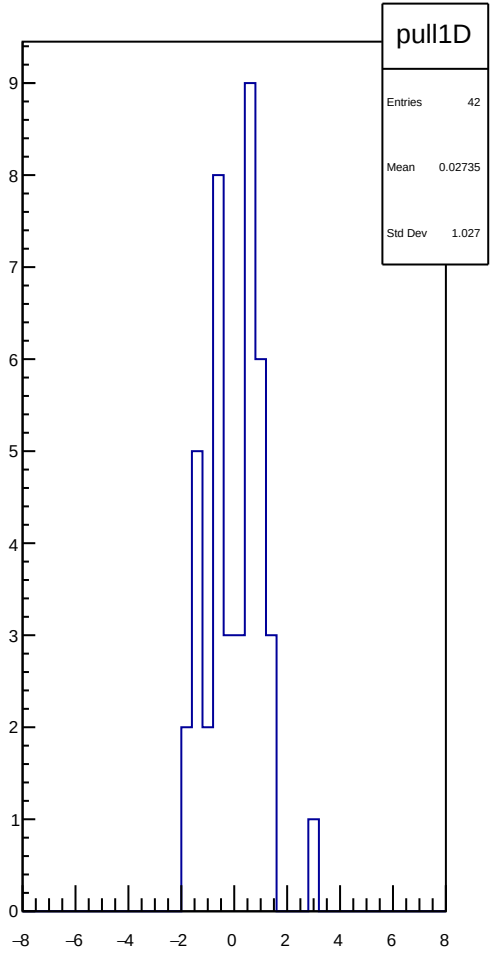

diff_bpm0l09X_rms vs run
χ² / ndf 4796 / 41
p0 8694 ± 9.583
10500
10000
9500
9000
8500
8000
7500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

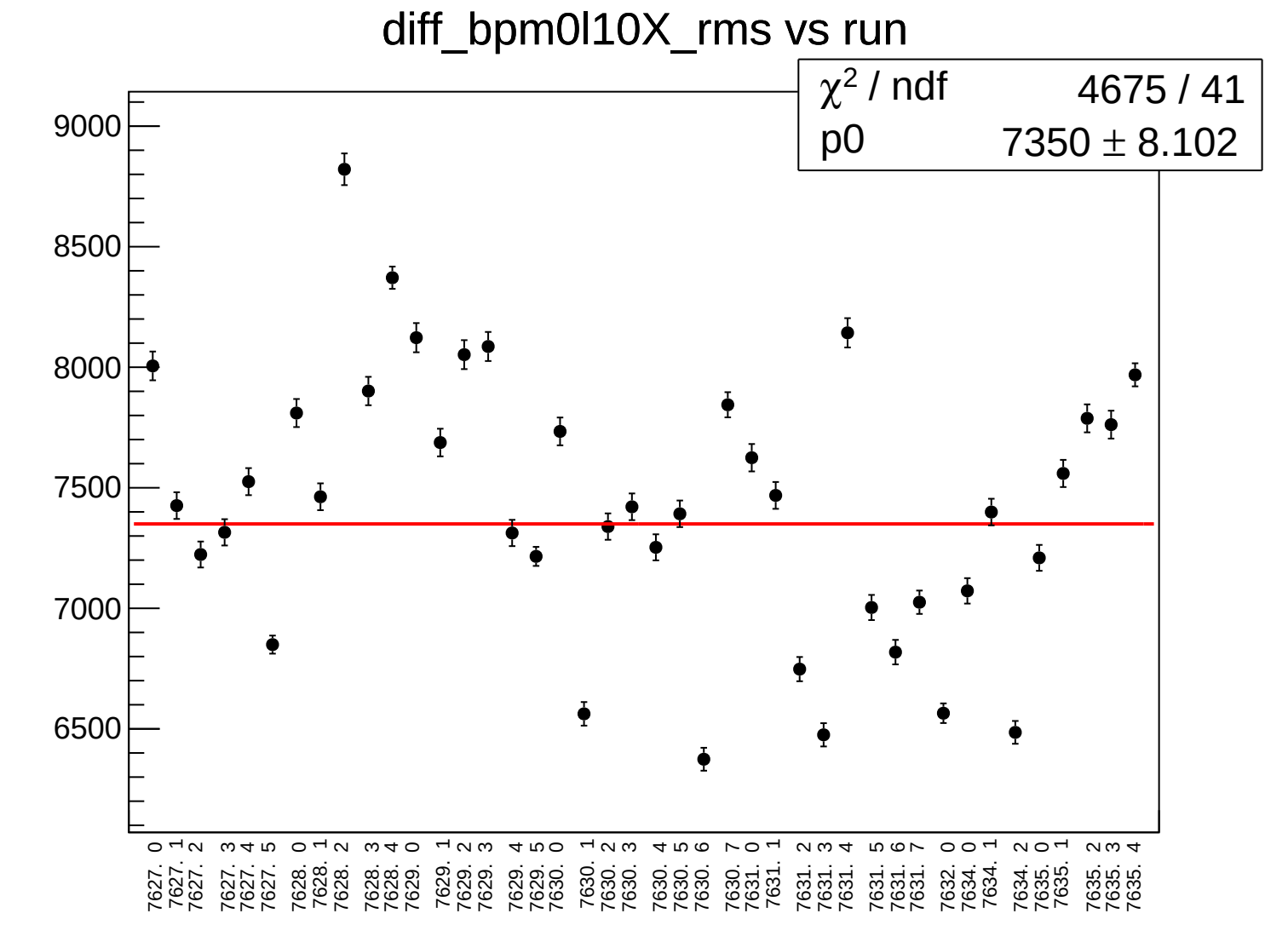

diff_bpm0l09Y_mean vs run
χ² / ndf 84.99 / 41
p0 −25.37 ± 2.033
40
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −77.48
Std Dev 0
3
2
1
0
−1
−2
−3

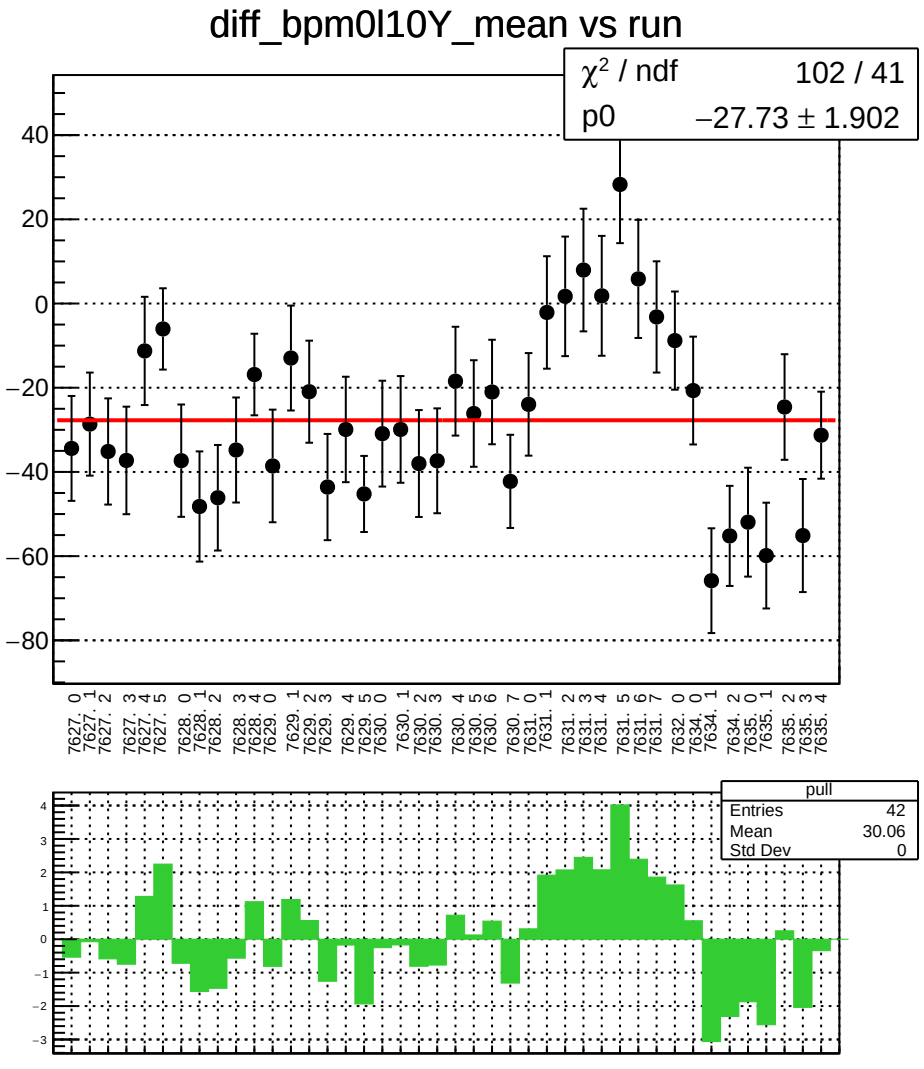

pull1D
Entries 42
Mean 0.01222
Std Dev 1.422
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

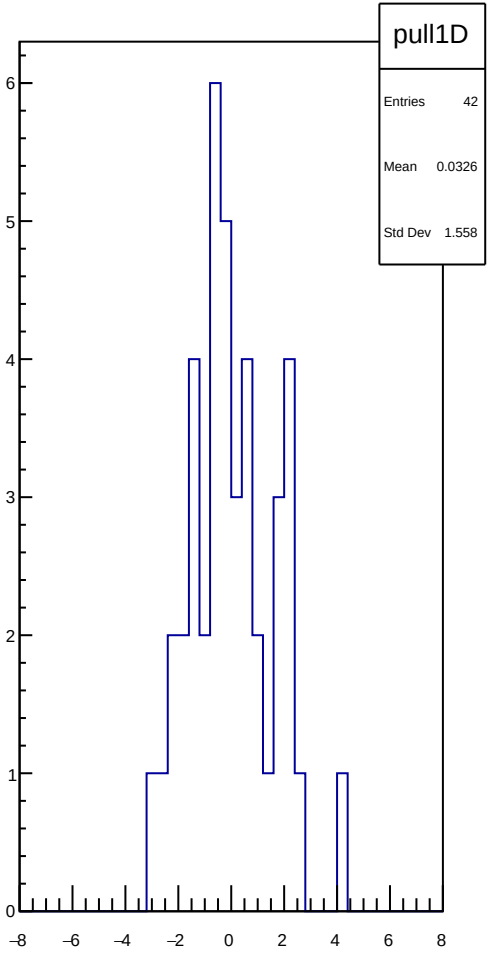

diff_bpm0l09Y_rms vs run
χ² / ndf 1331 / 41
p0 1307 ± 1.438
1450
1400
1350
1300
1250
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

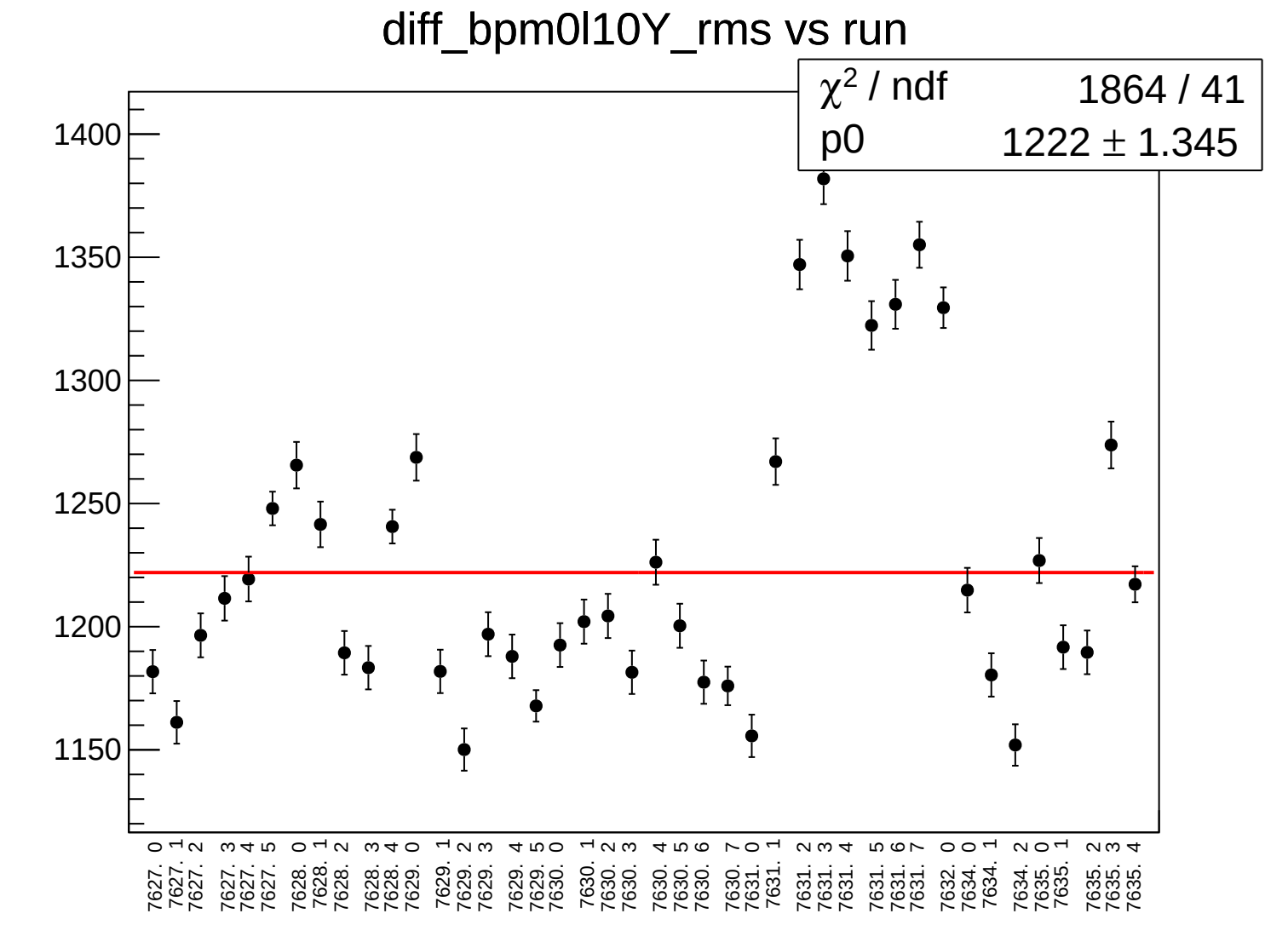

diff_bpm0l10X_mean vs run
χ² / ndf 44.34 / 41
p0 37.38 ± 11.46
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 112.8
Std Dev 0
3
2
1
0
−1
−2

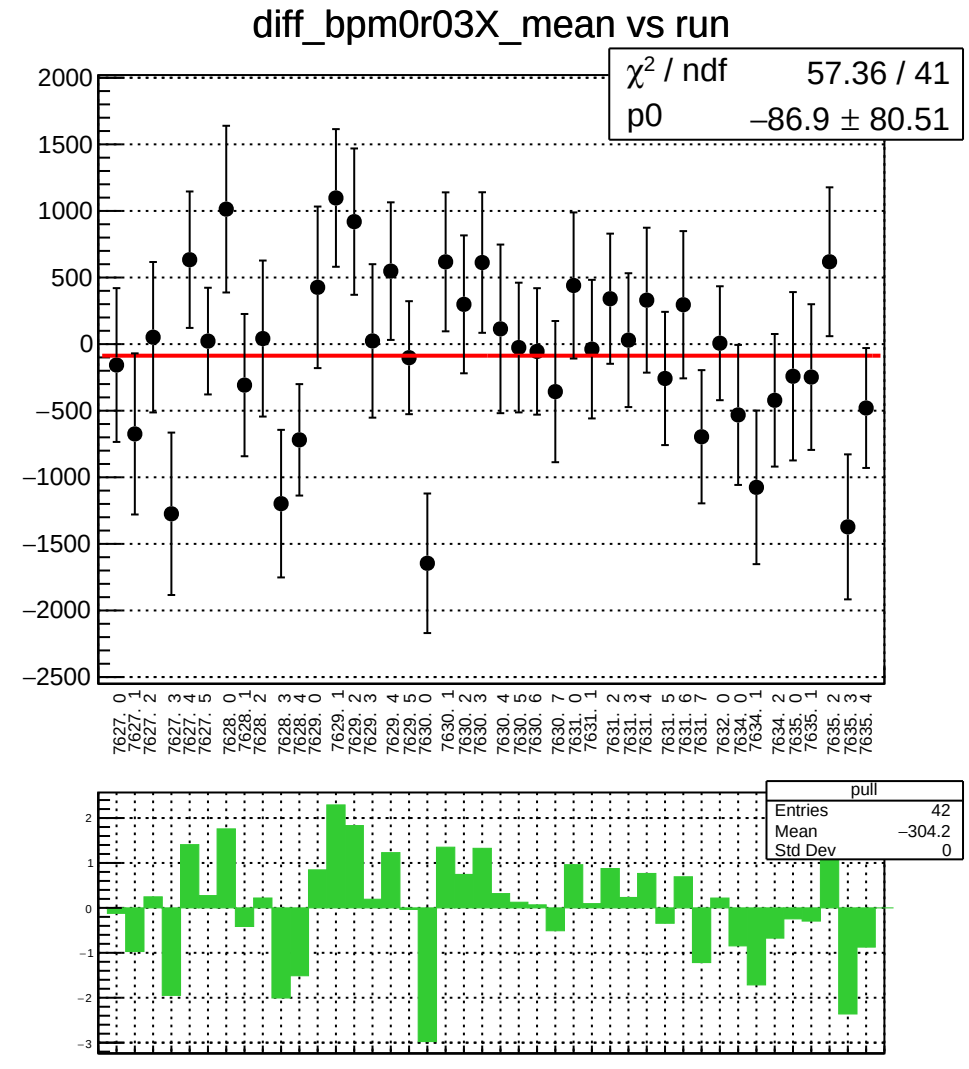

pull1D
Entries 42
Mean 0.02735
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

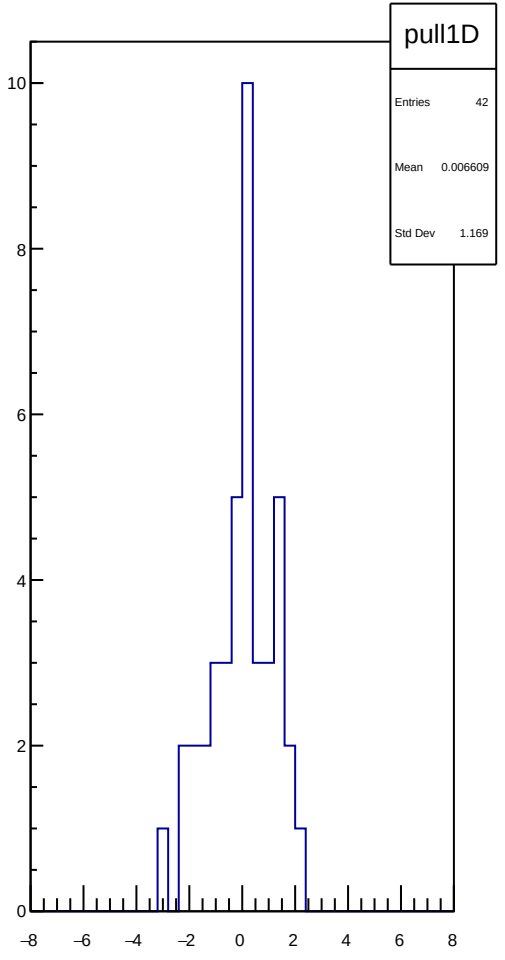

diff_bpm0l10X_rms vs run
χ² / ndf 4675 / 41
p0 7350 ± 8.102
9000
8500
8000
7500
7000
6500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

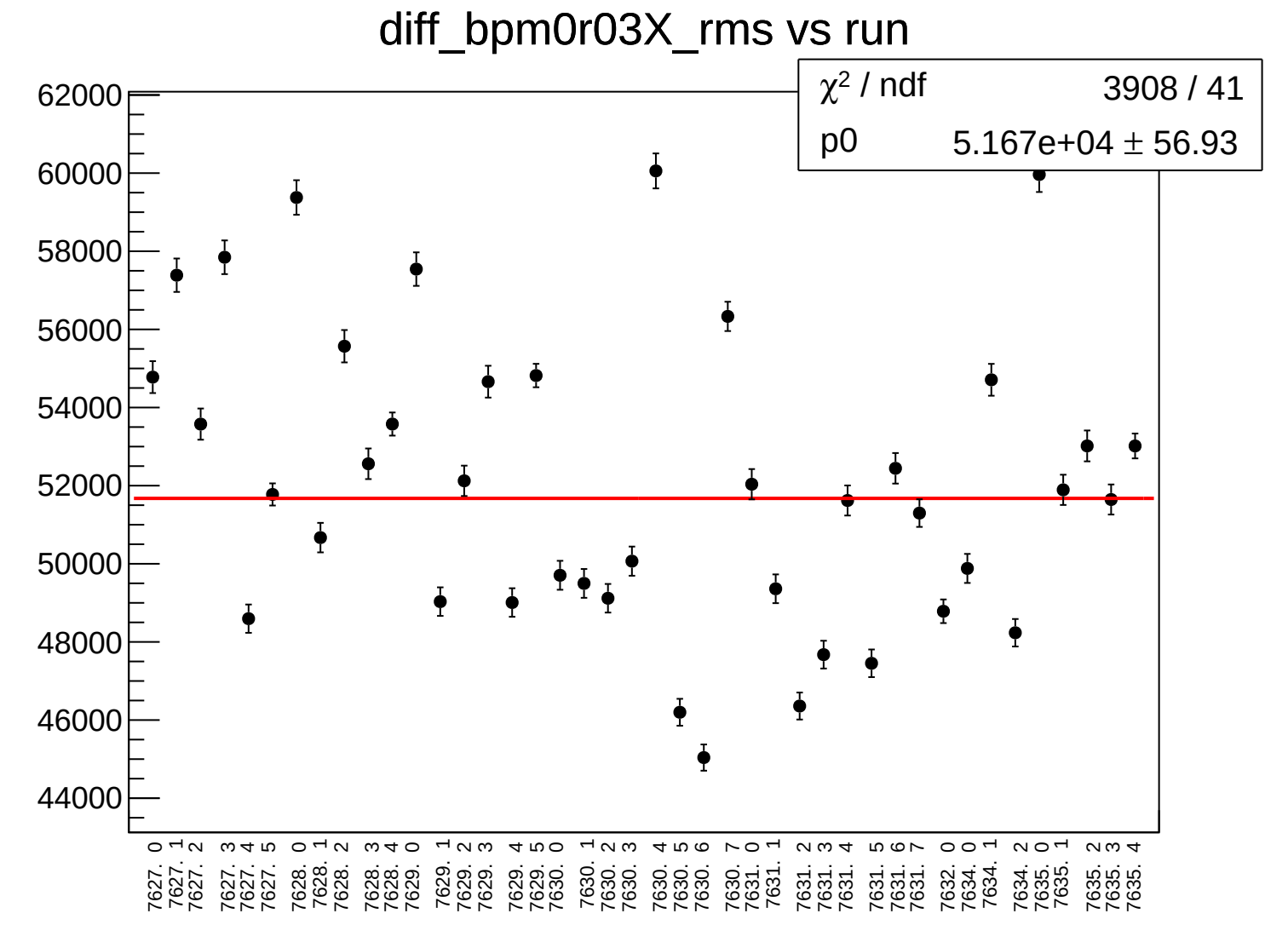

diff_bpm0l10Y_mean vs run
χ² / ndf 102 / 41
p0 −27.73 ± 1.902
pull
Entries 42
Mean 30.06
Std Dev 0

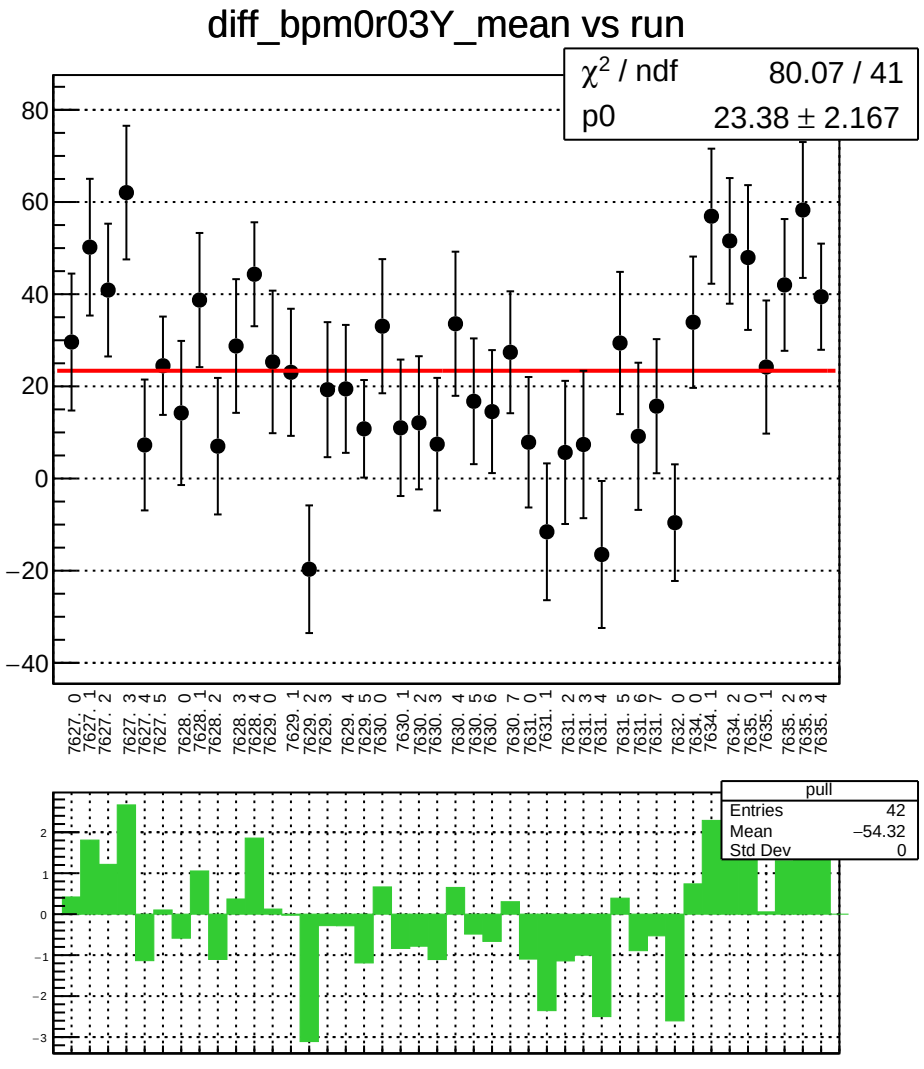

pull1D
Entries 42
Mean 0.0326
Std Dev 1.558

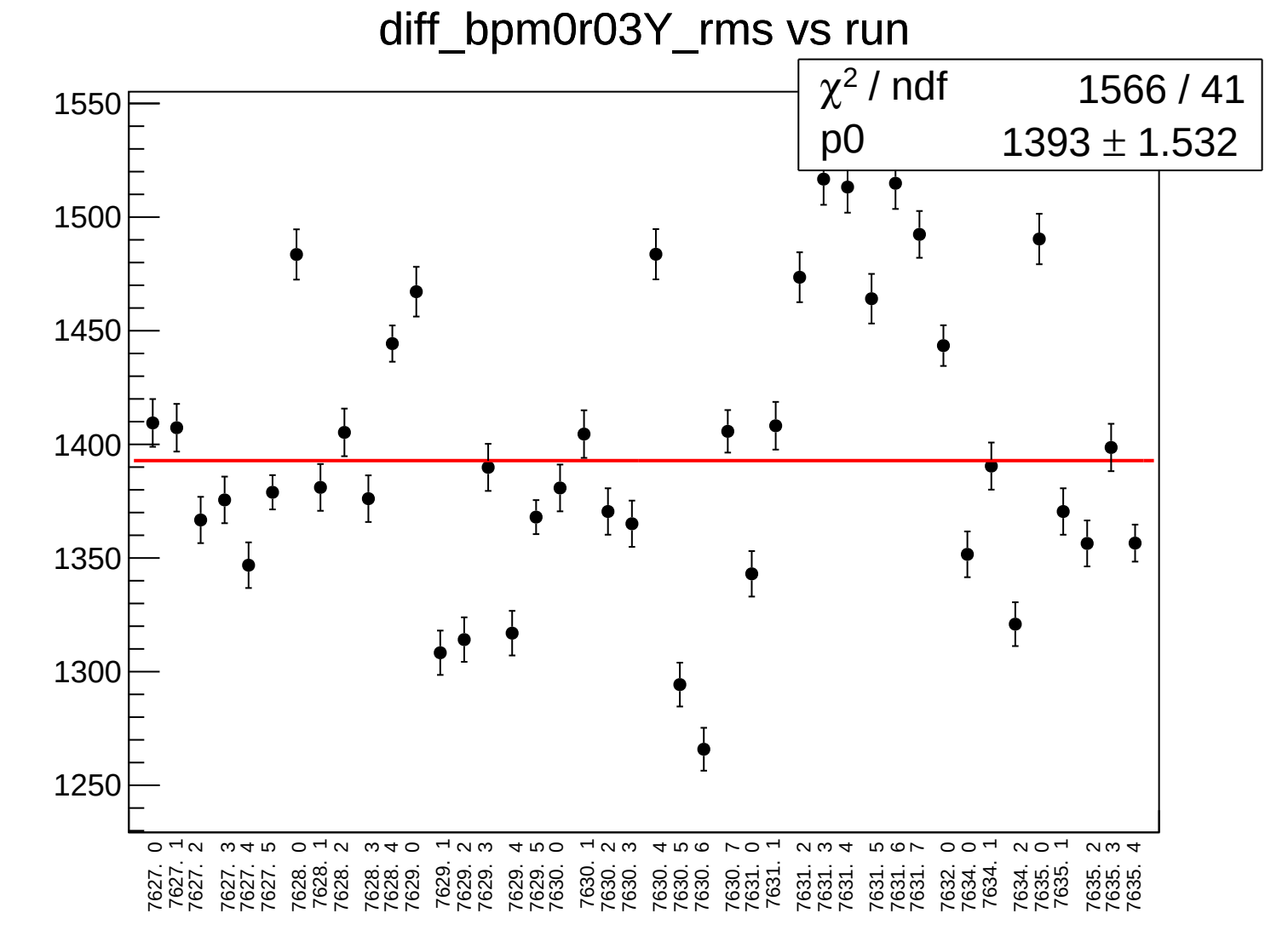

diff_bpm0l10Y_rms vs run
χ² / ndf 1864 / 41
p0 1222 ± 1.345
1400
1350
1300
1250
1200
1150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

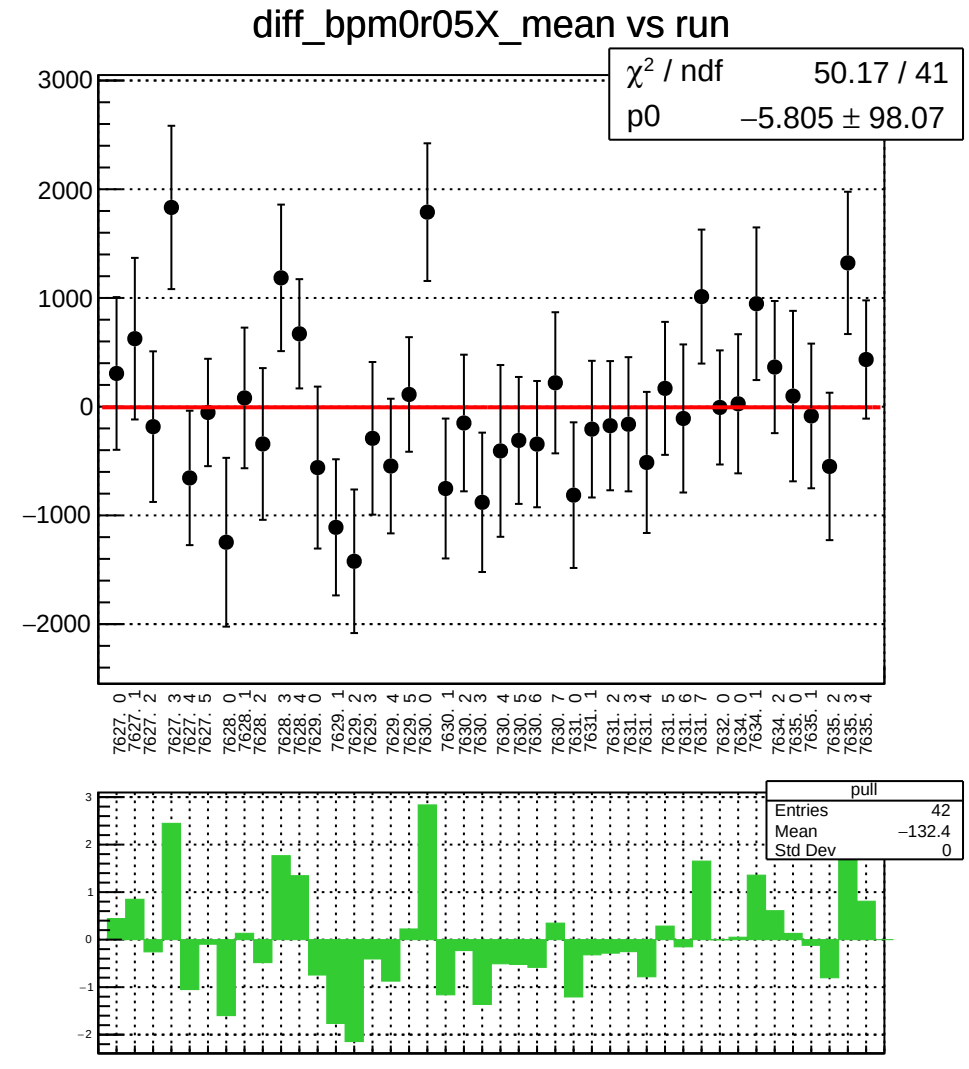

diff_bpm0r03X_mean vs run
χ² / ndf 57.36 / 41
p0 −86.9 ± 80.51
pull
Entries 42
Mean −304.2
Std Dev 0

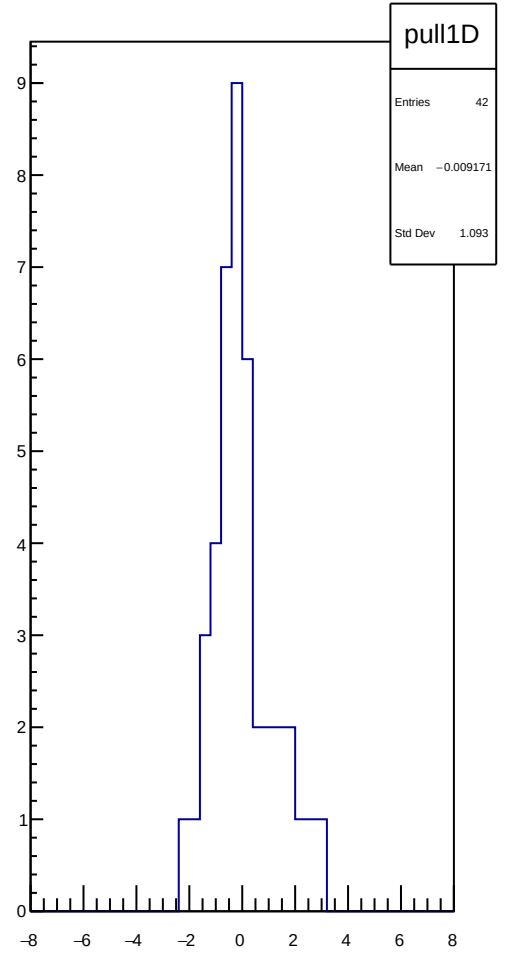

pull1D
Entries 42
Mean 0.006609
Std Dev 1.169

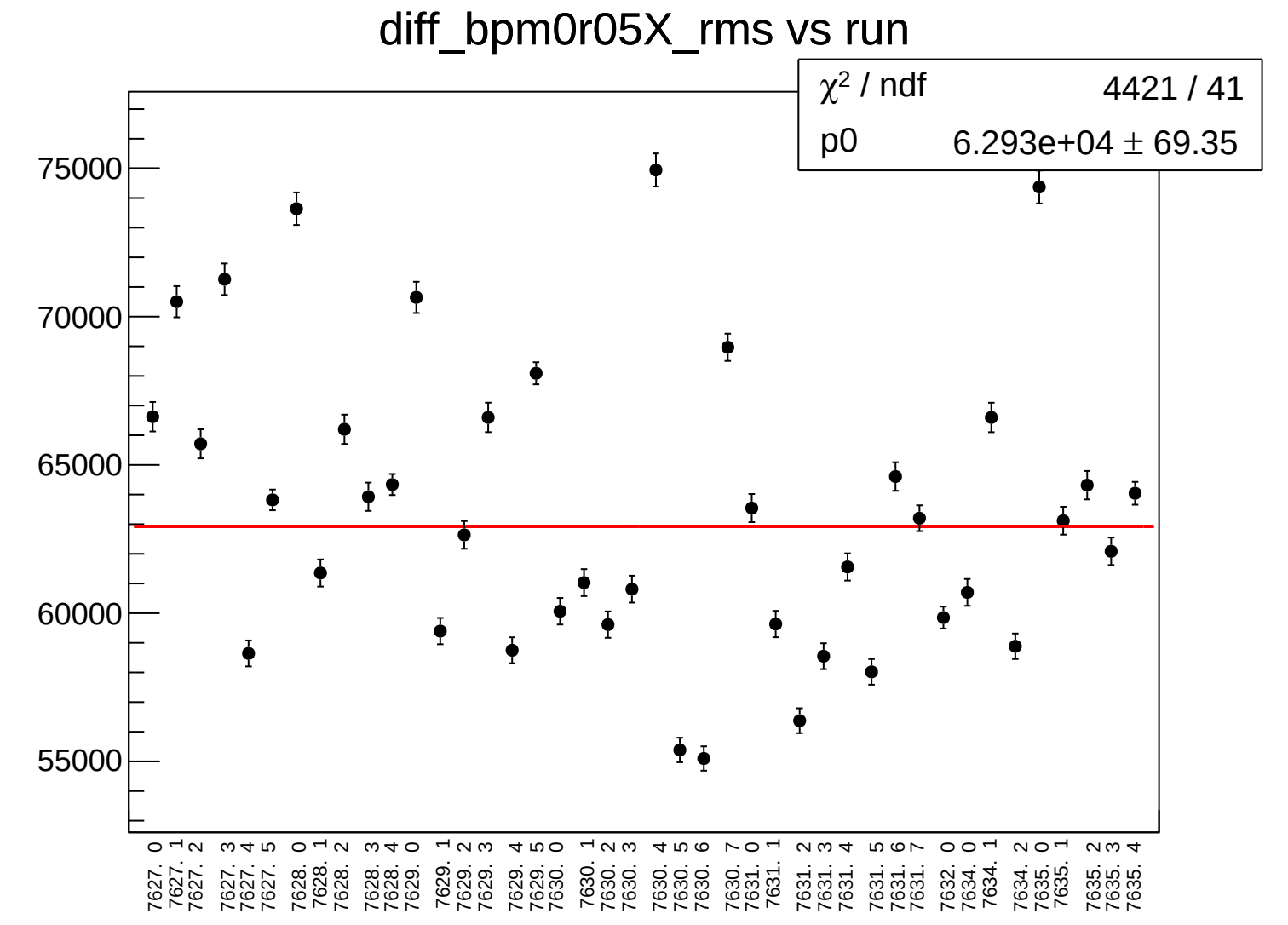

diff_bpm0r03X_rms vs run
χ² / ndf 3908 / 41
p0 5.167e+04 ± 56.93
62000
60000
58000
56000
54000
52000
50000
48000
46000
44000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

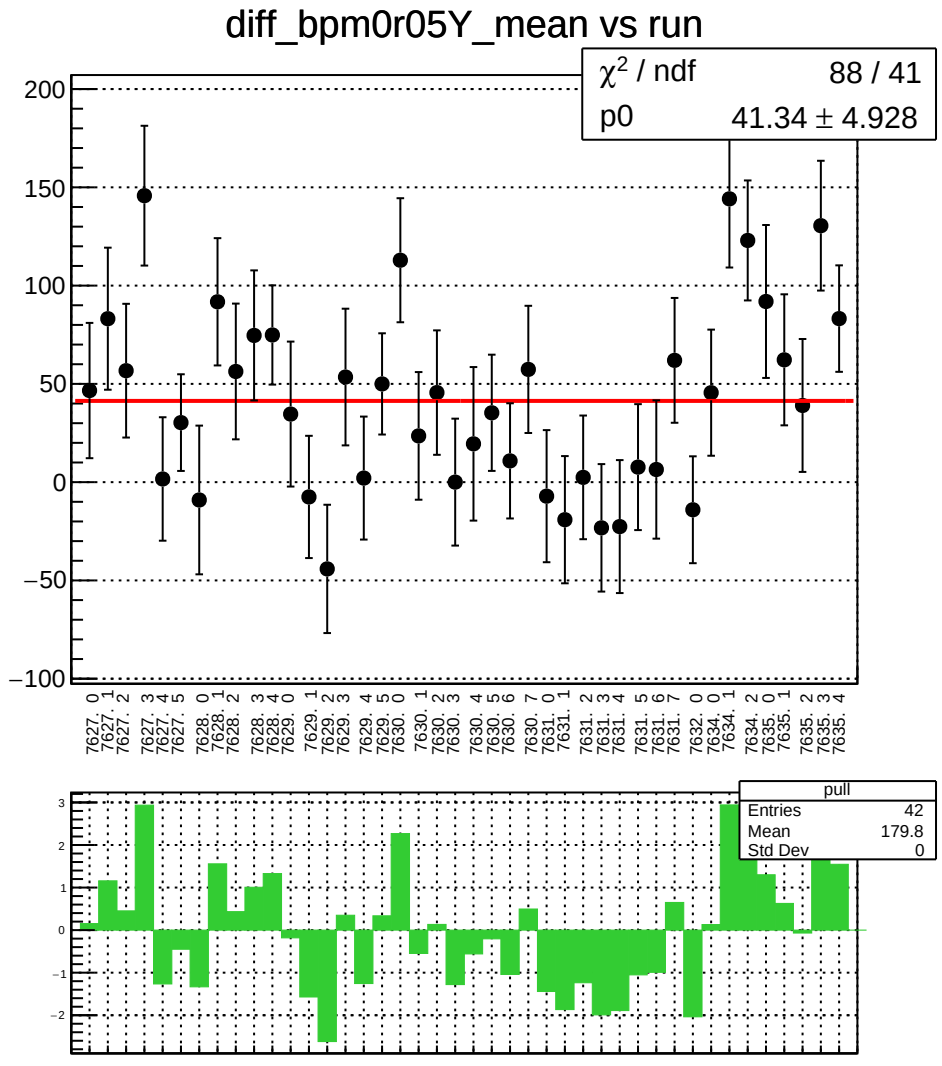

diff_bpm0r03Y_mean vs run
χ² / ndf 80.07 / 41
p0 23.38 ± 2.167
pull
Entries 42
Mean −54.32
Std Dev 0
pull1D
Entries 42
Mean −0.007129
Std Dev 1.381

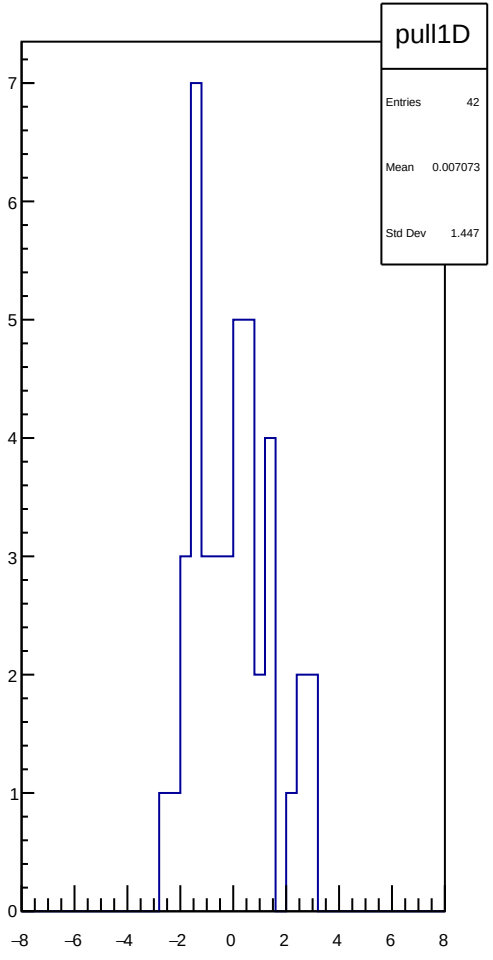

diff_bpm0r03Y_rms vs run
χ² / ndf 1566 / 41
p0 1393 ± 1.532
1550
1500
1450
1400
1350
1300
1250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

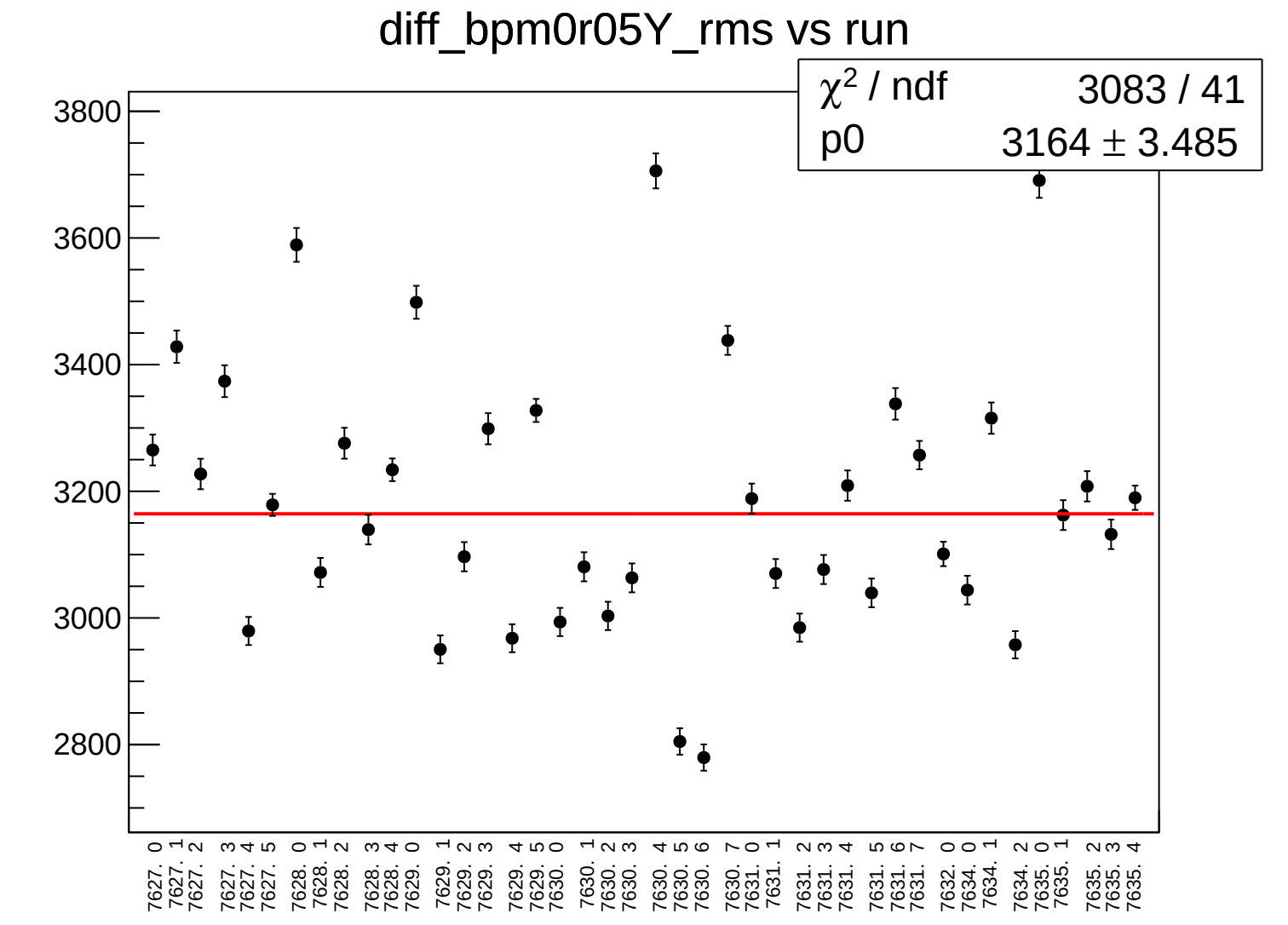

diff_bpm0r05X_mean vs run
χ² / ndf 50.17 / 41
p0 −5.805 ± 98.07
3000
2000
1000
0
−1000
−2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −132.4
Std Dev 0
3
2
1
0
−1
−2

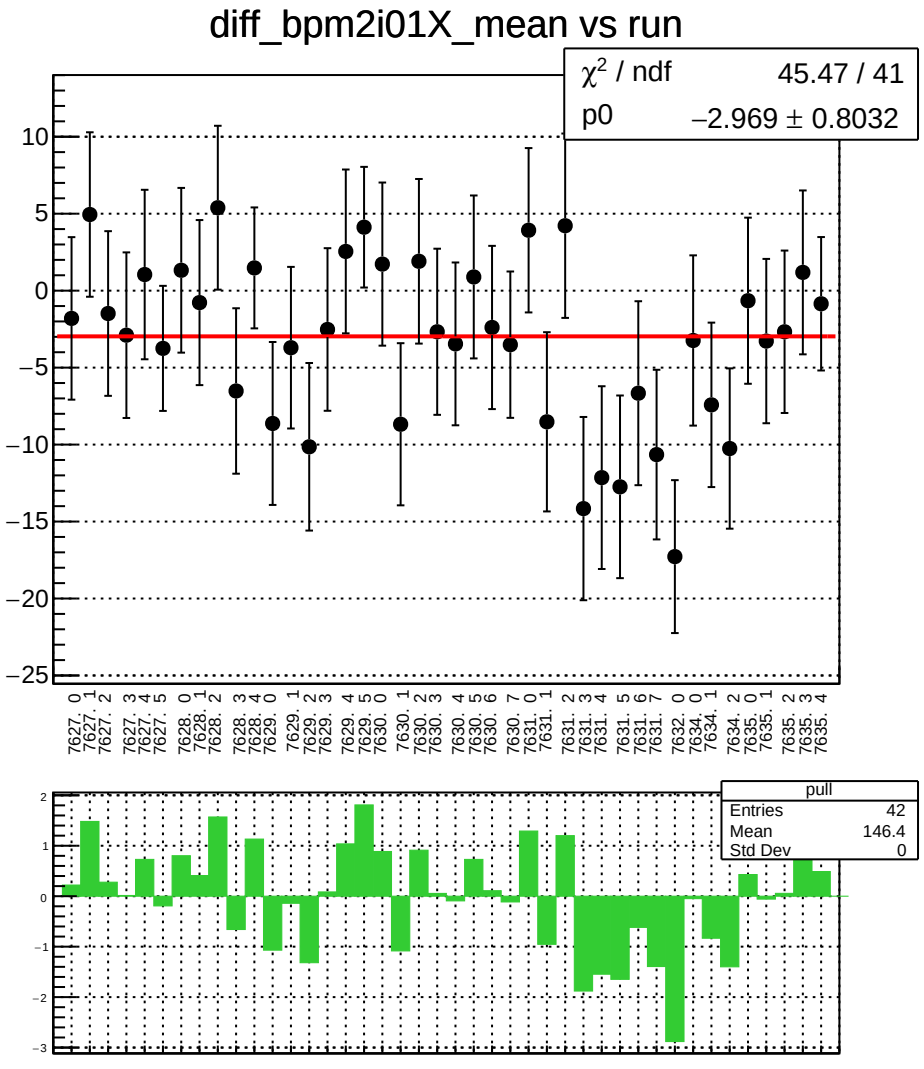

pull1D
Entries 42
Mean −0.009171
Std Dev 1.093
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

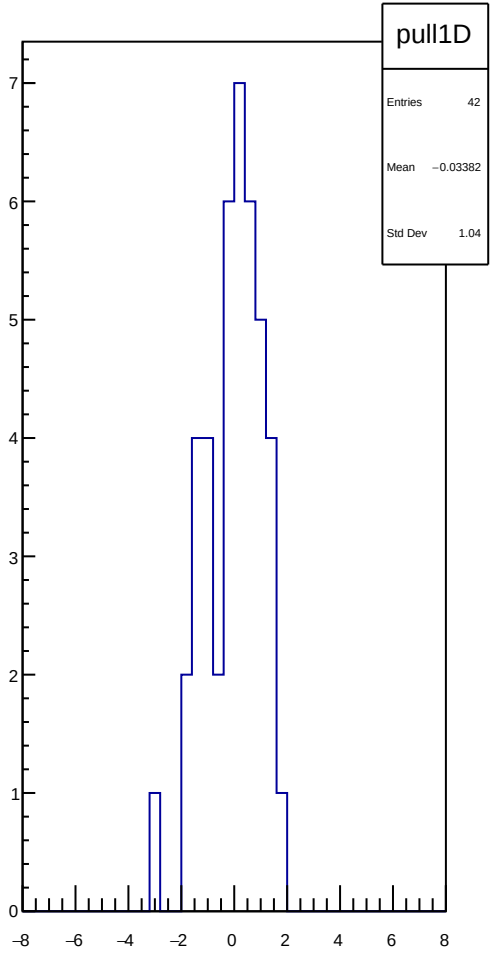

diff_bpm0r05X_rms vs run
χ² / ndf 4421 / 41
p0 6.293e+04 ± 69.35
75000
70000
65000
60000
55000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

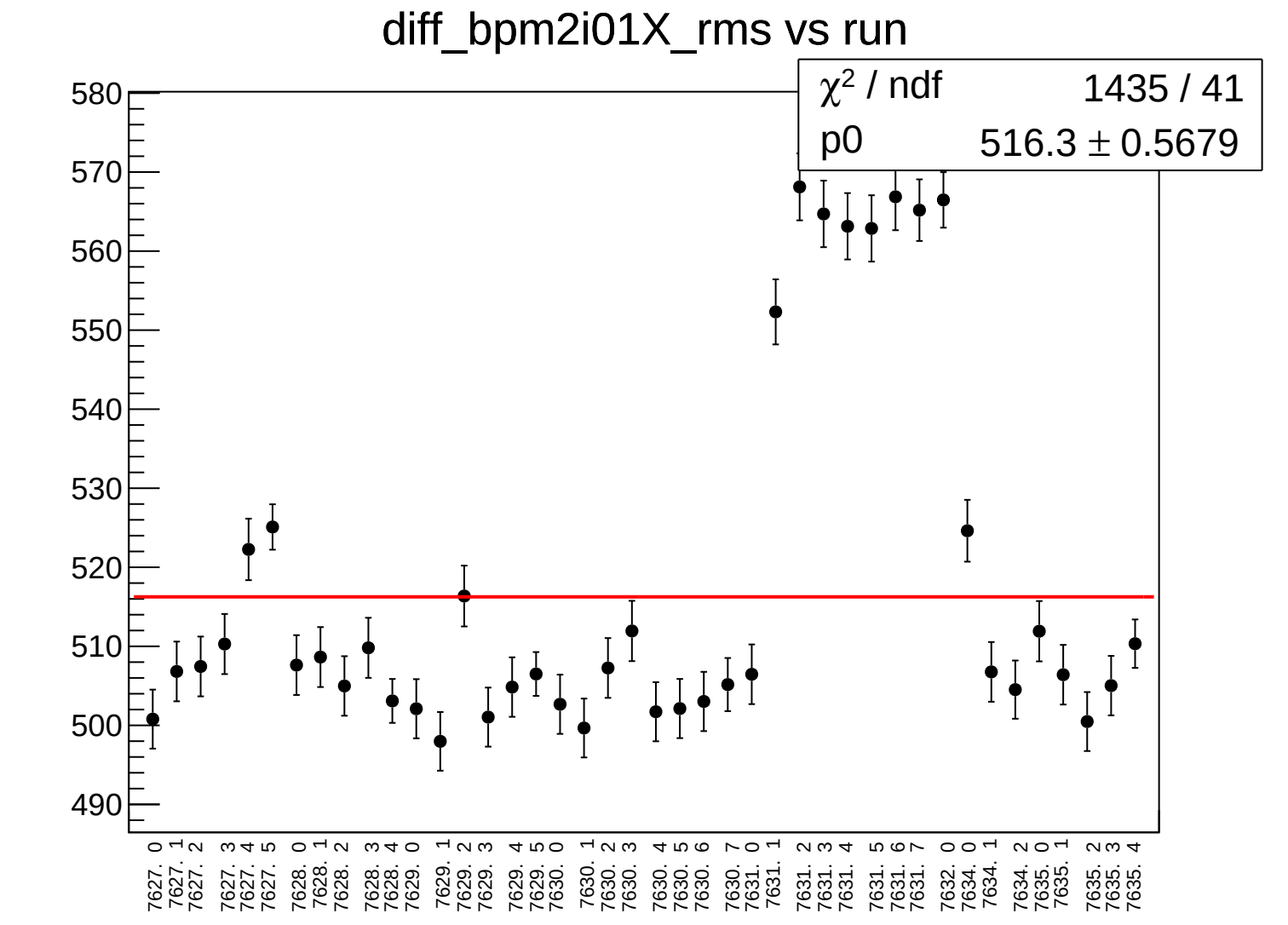

diff_bpm0r05Y_mean vs run
χ² / ndf 88 / 41
p0 41.34 ± 4.928
200
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 179.8
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.007073
Std Dev 1.447
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm0r05Y_rms vs run
χ² / ndf 3083 / 41
p0 3164 ± 3.485
3800
3600
3400
3200
3000
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


diff_bpm2i01X_mean vs run
χ² / ndf 45.47 / 41
p0 −2.969 ± 0.8032
pull
Entries 42
Mean 146.4
Std Dev 0


pull1D
Entries 42
Mean −0.03382
Std Dev 1.04


diff_bpm2i01X_rms vs run
χ² / ndf 1435 / 41
p0 516.3 ± 0.5679
580
570
560
550
540
530
520
510
500
490
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
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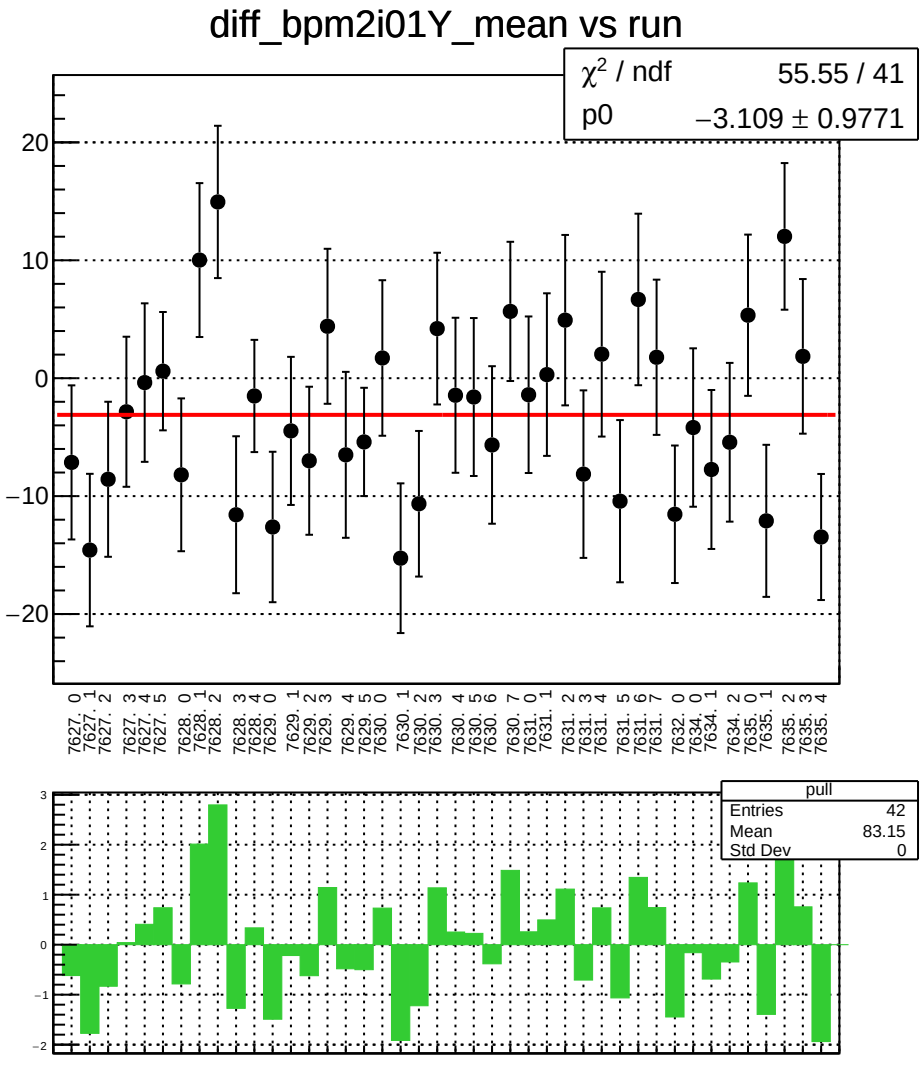
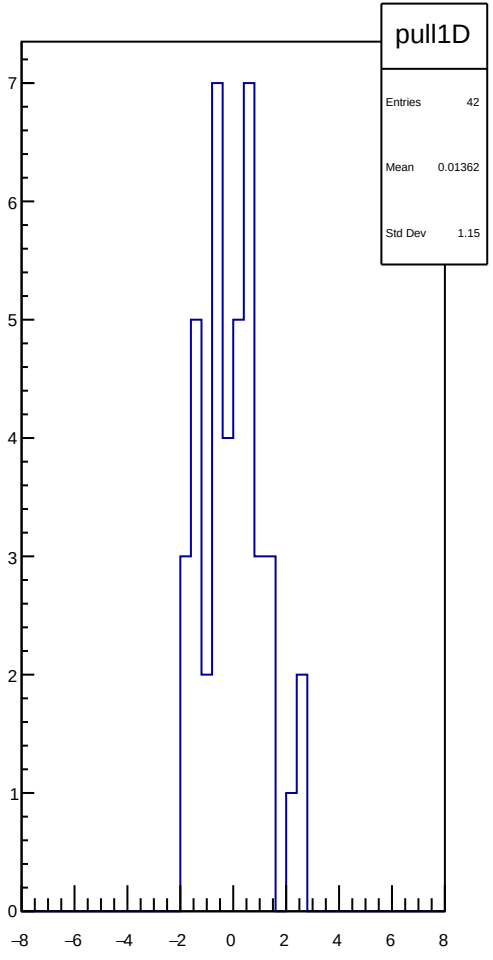
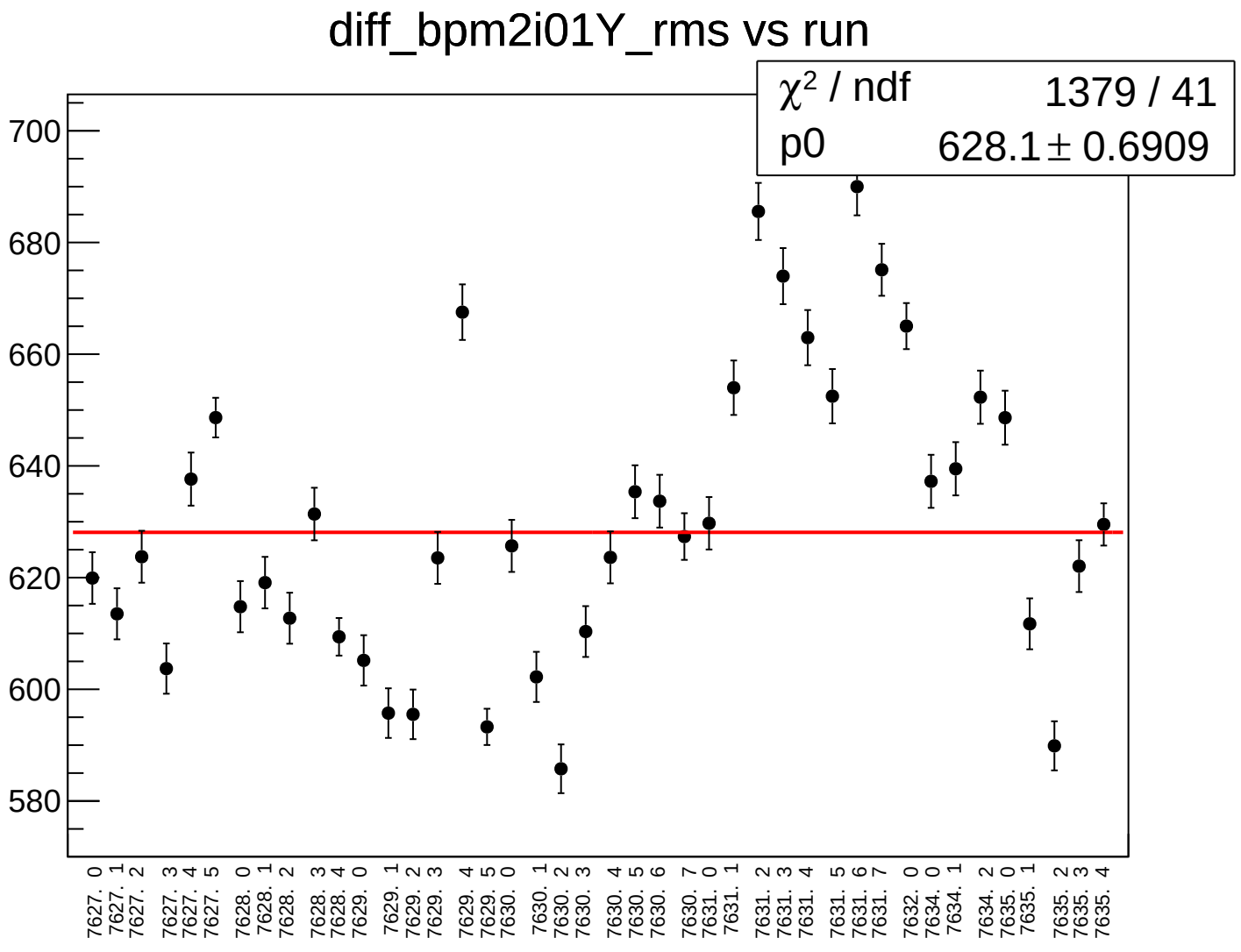
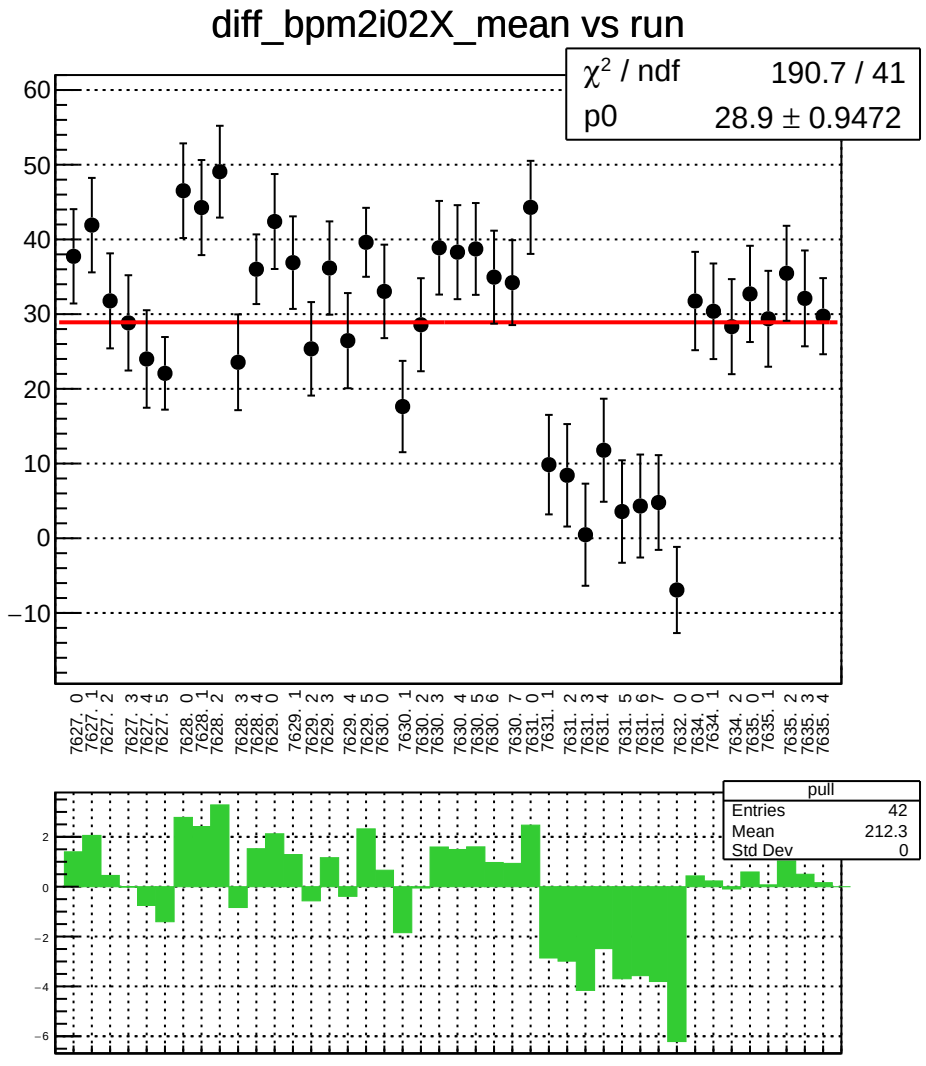
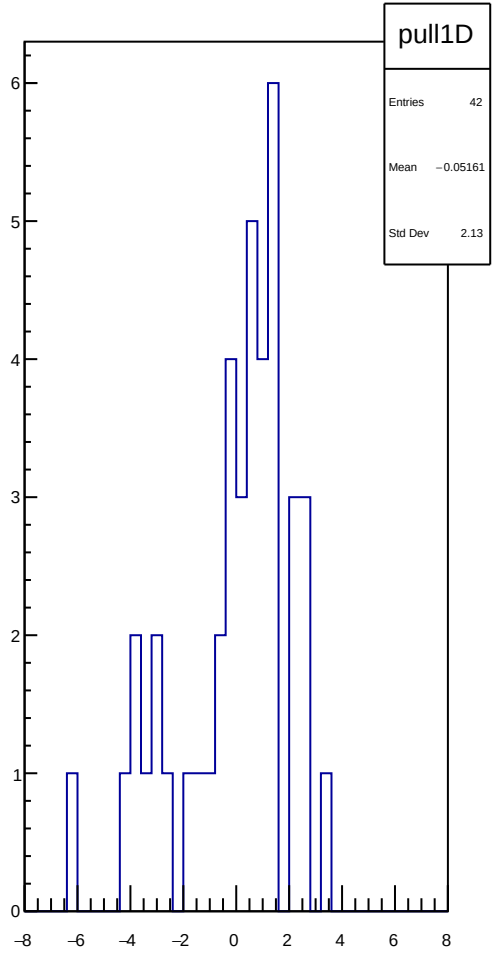
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

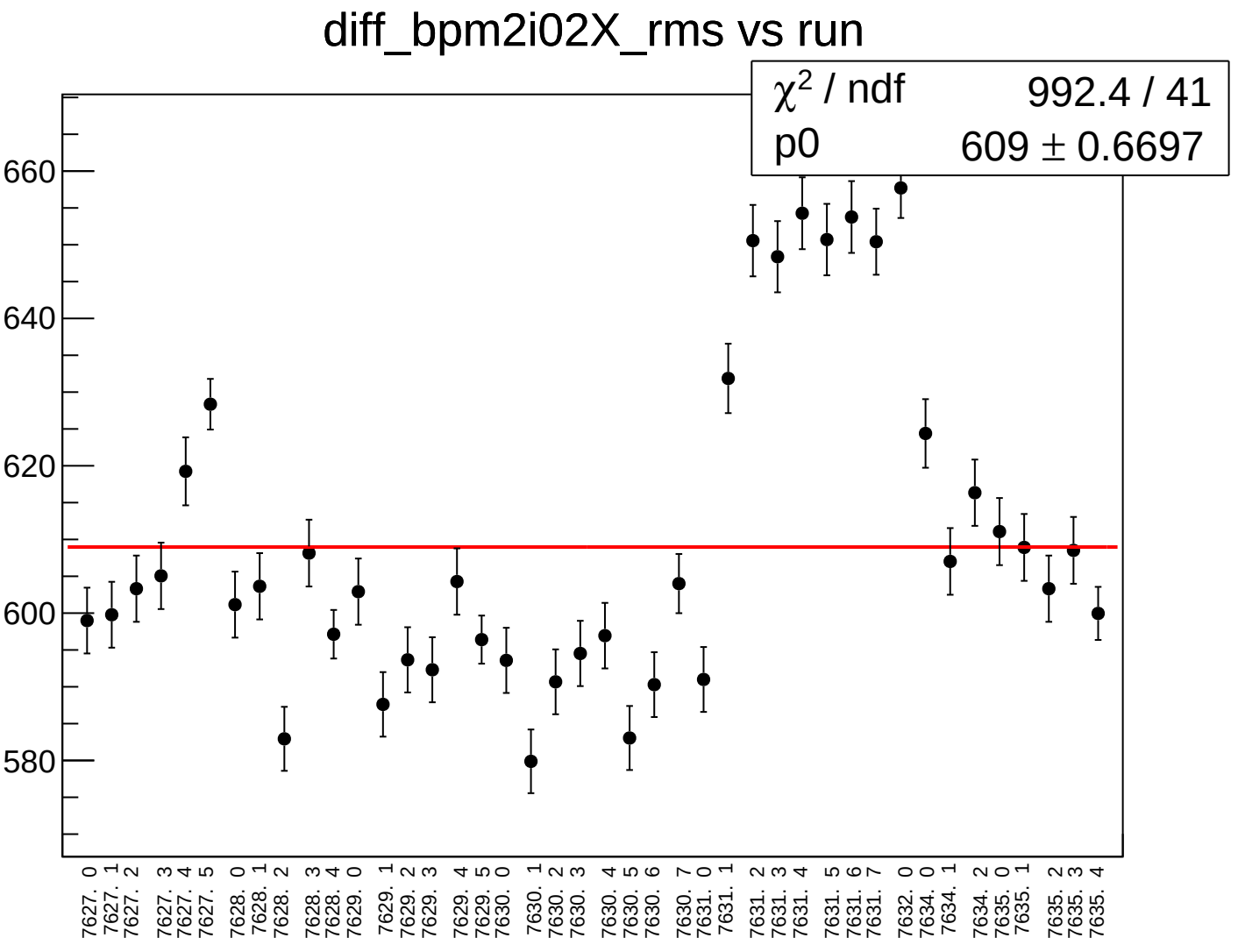

diff_bpm2i01Y_mean vs run
χ² / ndf 55.55 / 41
p0 −3.109 ± 0.9771
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 83.15
Std Dev 0
3
2
1
0
−1
−2

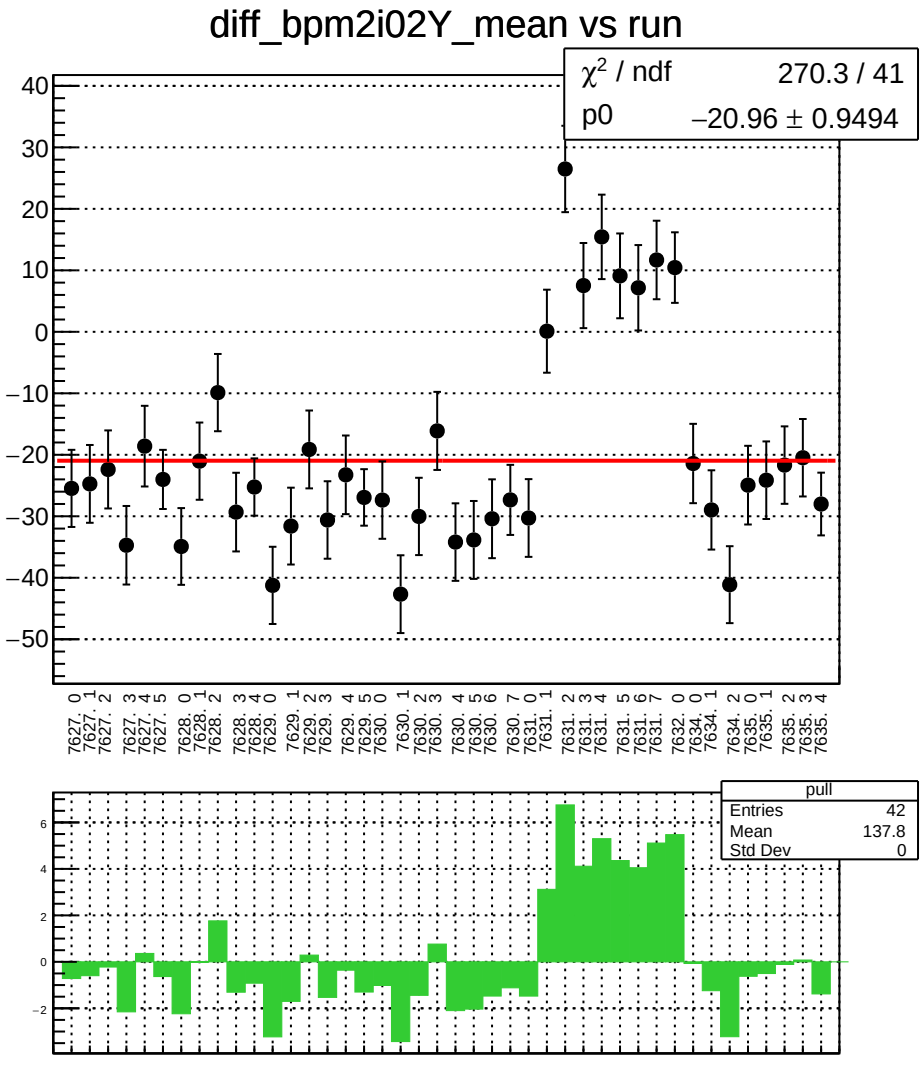

pull1D
Entries 42
Mean 0.01362
Std Dev 1.15
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

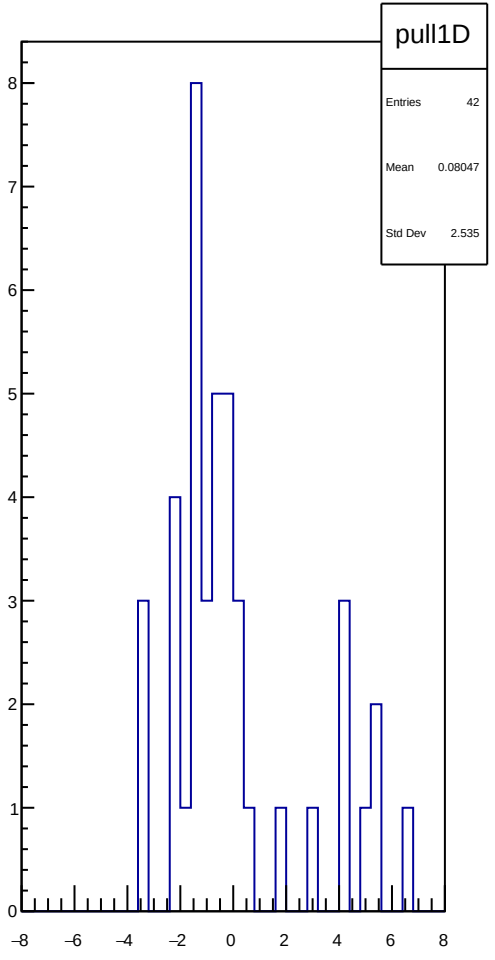

diff_bpm2i01Y_rms vs run
χ² / ndf 1379 / 41
p0 628.1 ± 0.6909
700
680
660
640
620
600
580
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

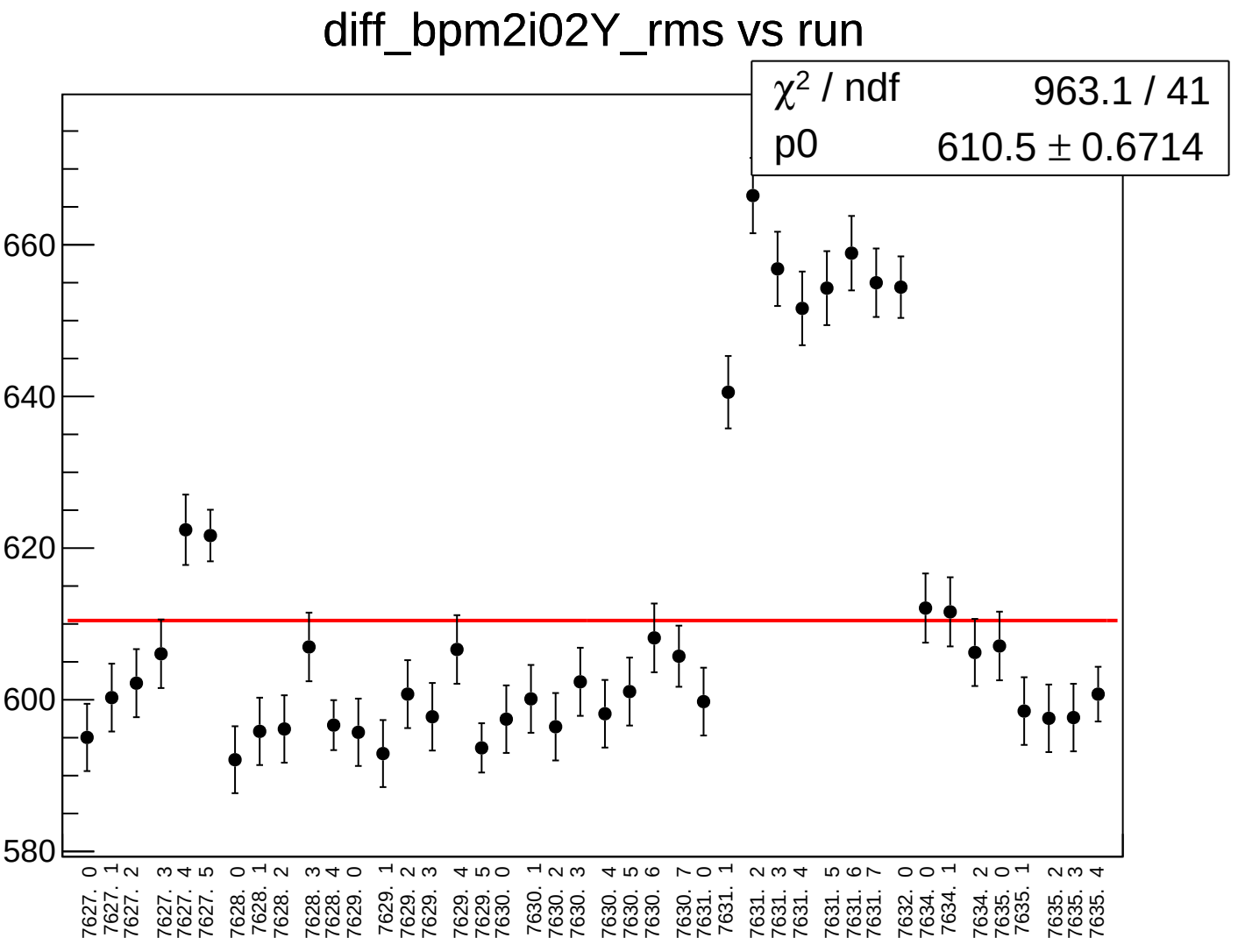

diff_bpm2i02X_mean vs run
χ² / ndf 190.7 / 41
p0 28.9 ± 0.9472
pull
Entries 42
Mean 212.3
Std Dev 0

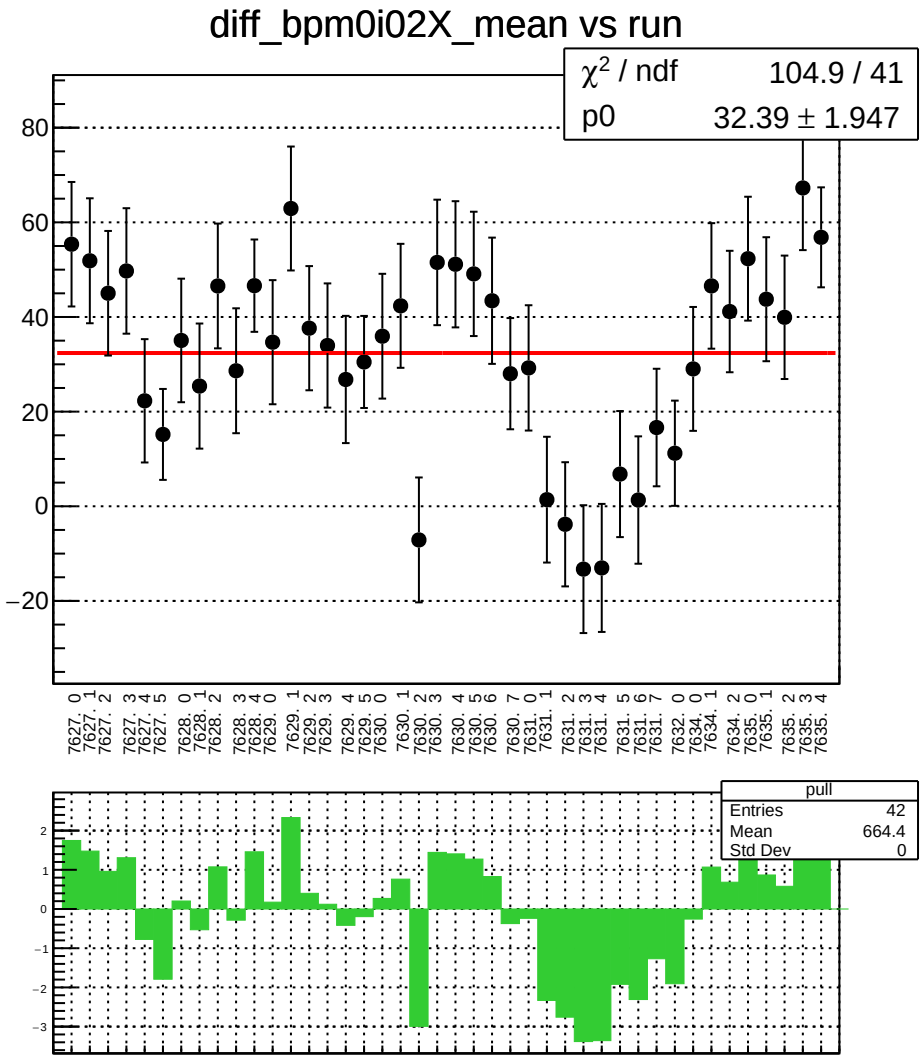

pull1D
Entries 42
Mean −0.05161
Std Dev 2.13

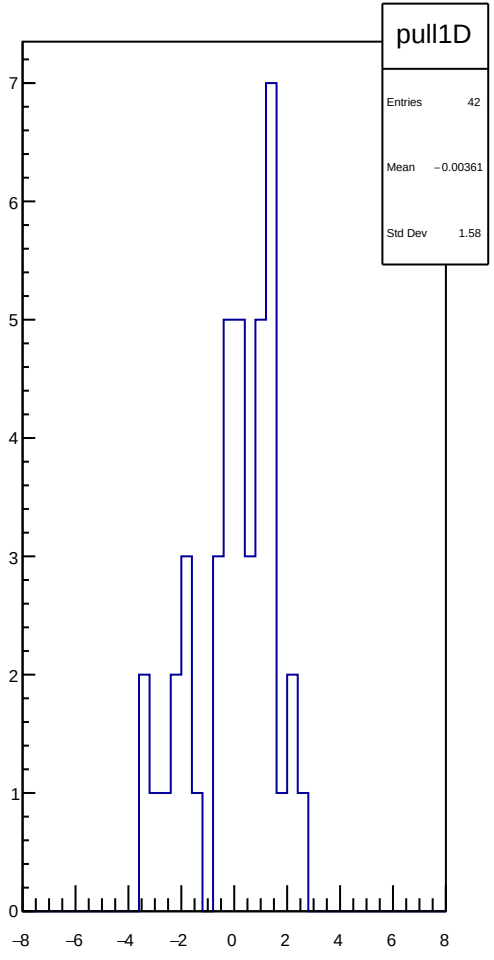

diff_bpm2i02X_rms vs run
χ² / ndf 992.4 / 41
p0 609 ± 0.6697
660
640
620
600
580
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

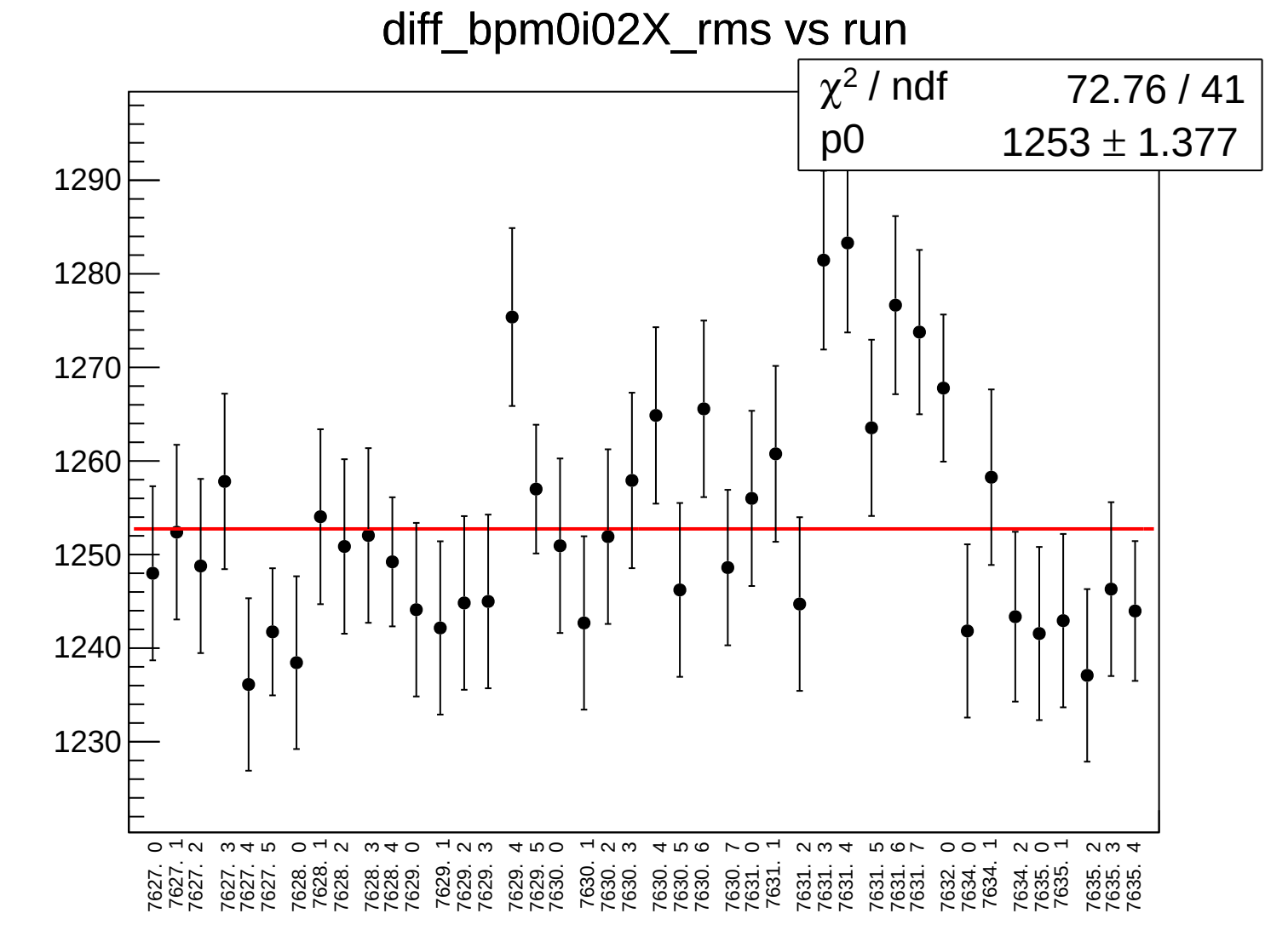

diff_bpm2i02Y_mean vs run
χ² / ndf 270.3 / 41
p0 −20.96 ± 0.9494
pull
Entries 42
Mean 137.8
Std Dev 0

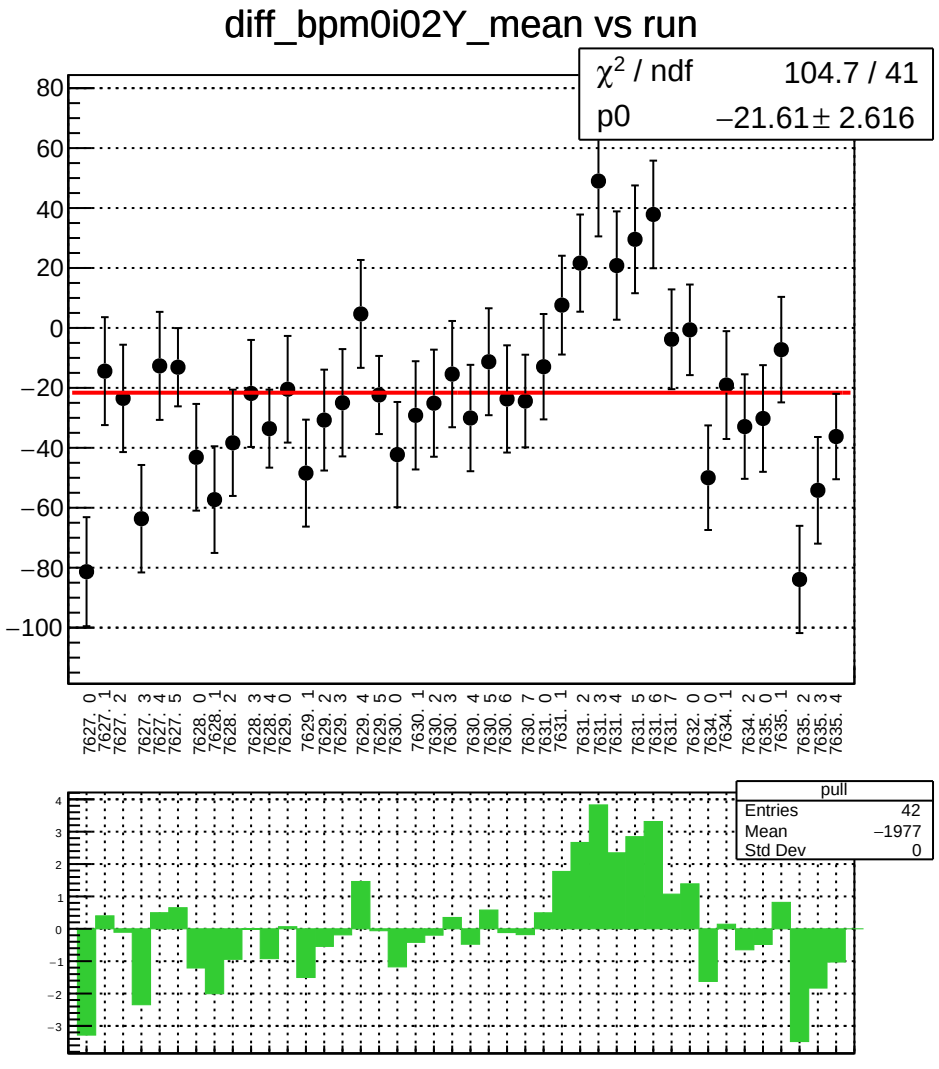

pull1D
Entries 42
Mean 0.08047
Std Dev 2.535

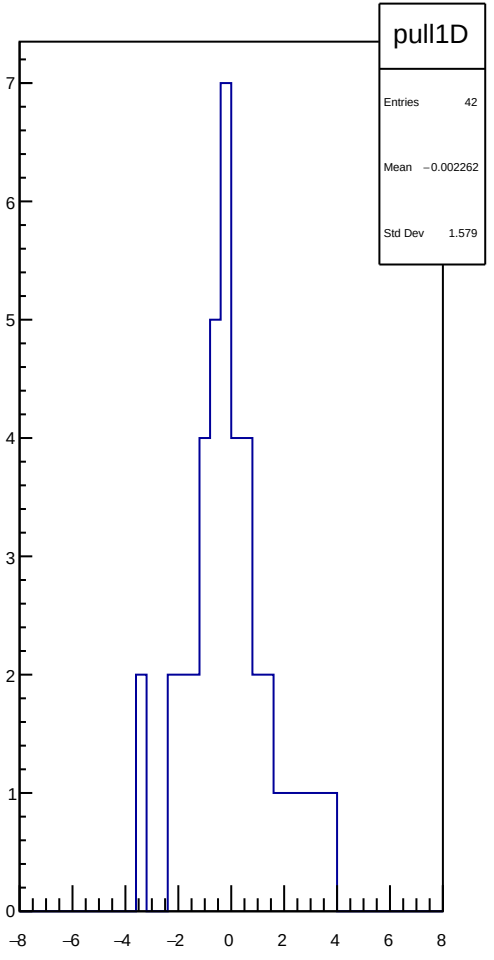

diff_bpm2i02Y_rms vs run
χ² / ndf 963.1 / 41
p0 610.5 ± 0.6714
660
640
620
600
580
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

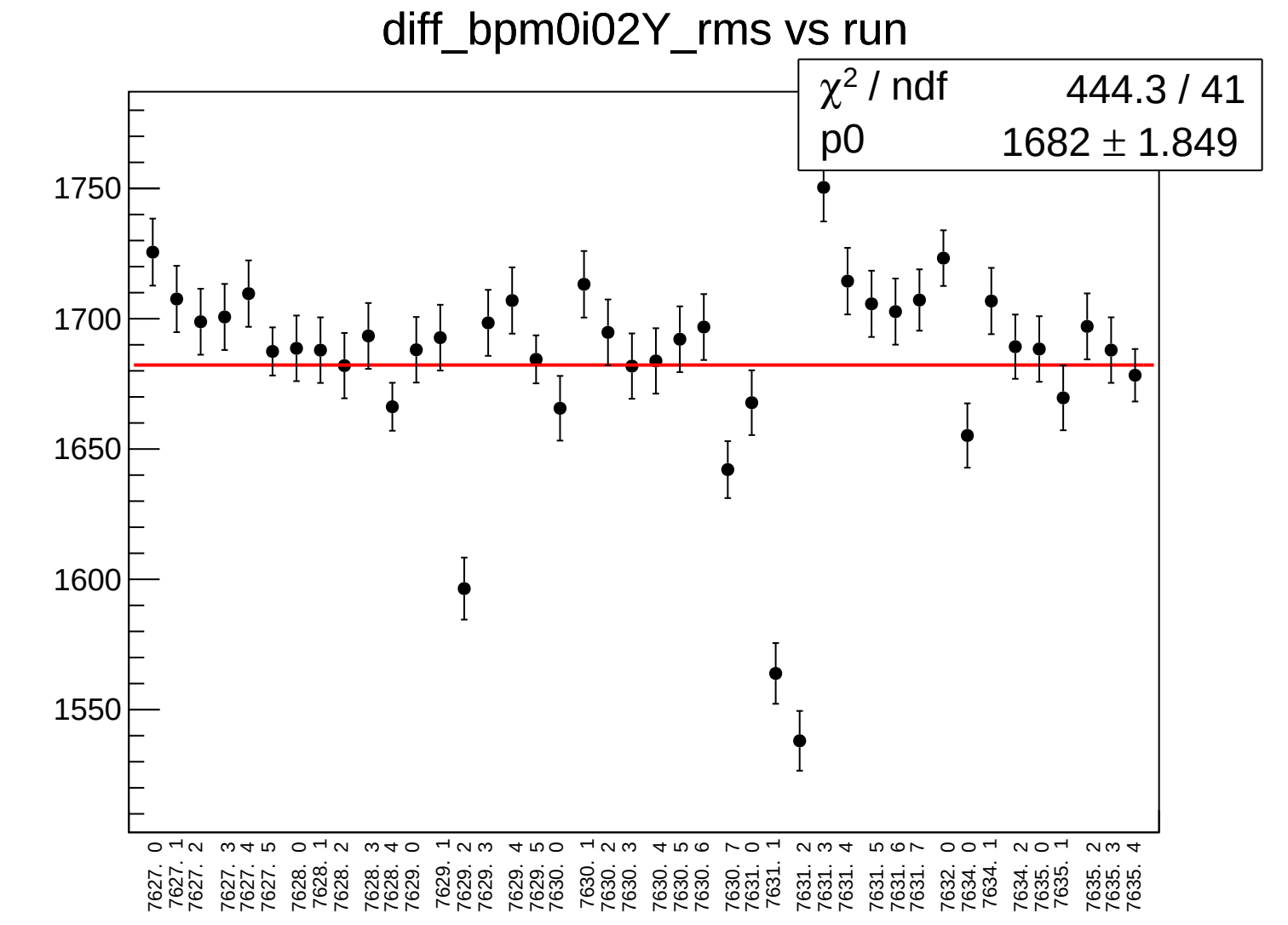

diff_bpm0i02X_mean vs run
χ² / ndf 104.9 / 41
p0 32.39 ± 1.947
80
60
40
20
0
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 664.4
Std Dev 0
2
1
0
−1
−2
−3

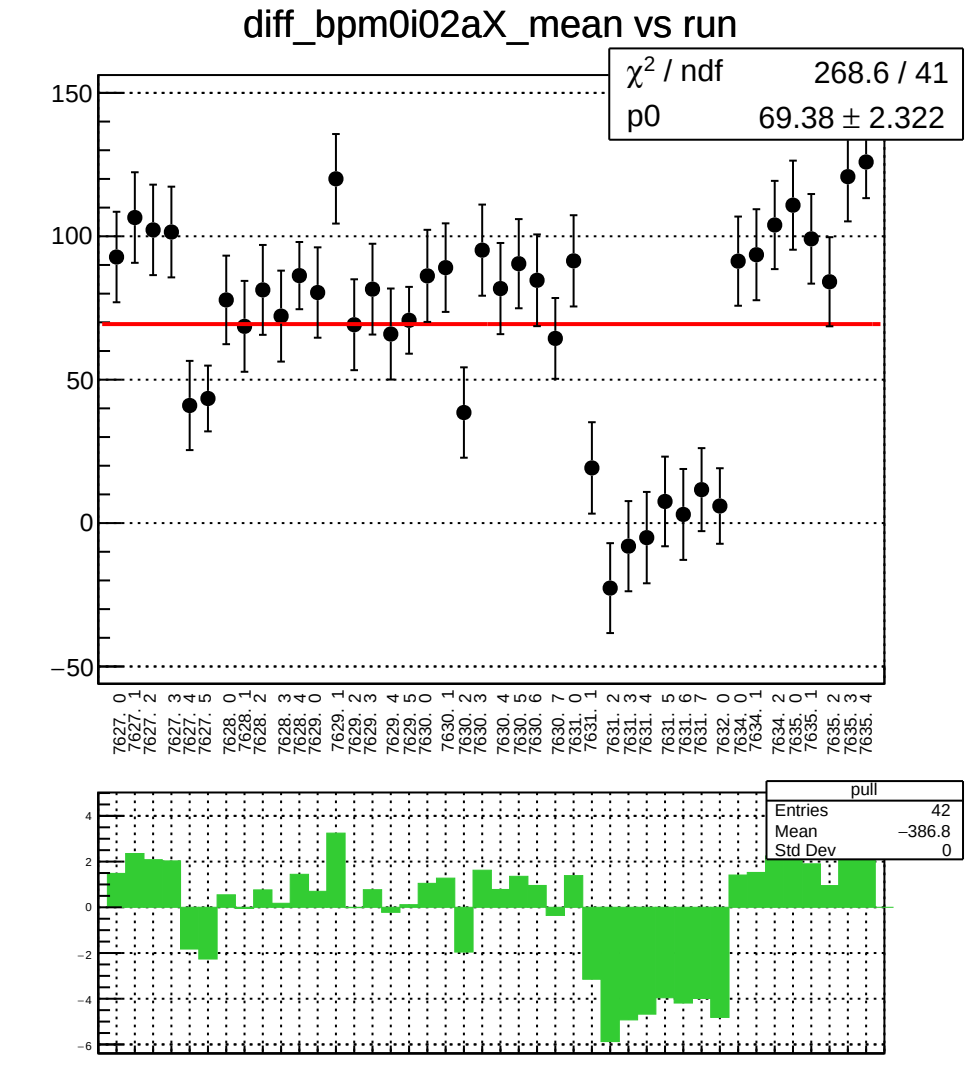

pull1D
Entries 42
Mean −0.00361
Std Dev 1.58
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

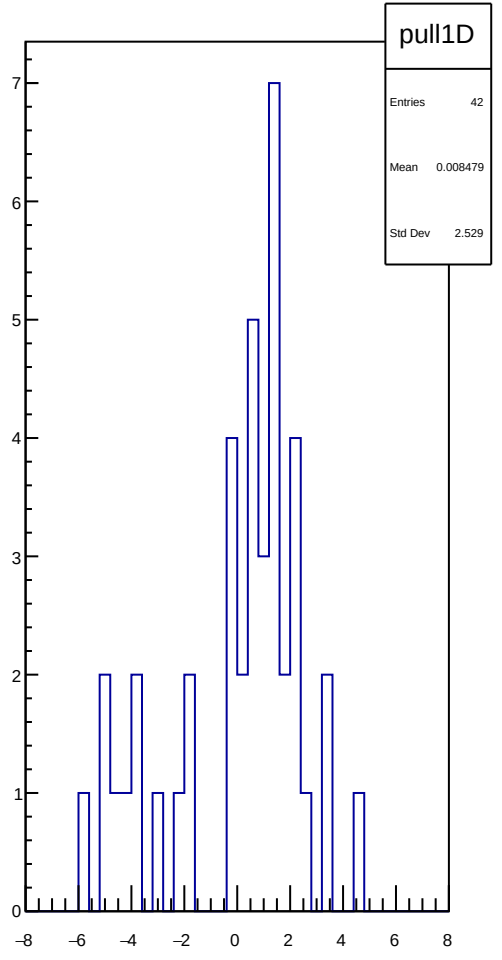

diff_bpm0i02X_rms vs run
χ² / ndf 72.76 / 41
p0 1253 ± 1.377
1290
1280
1270
1260
1250
1240
1230
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

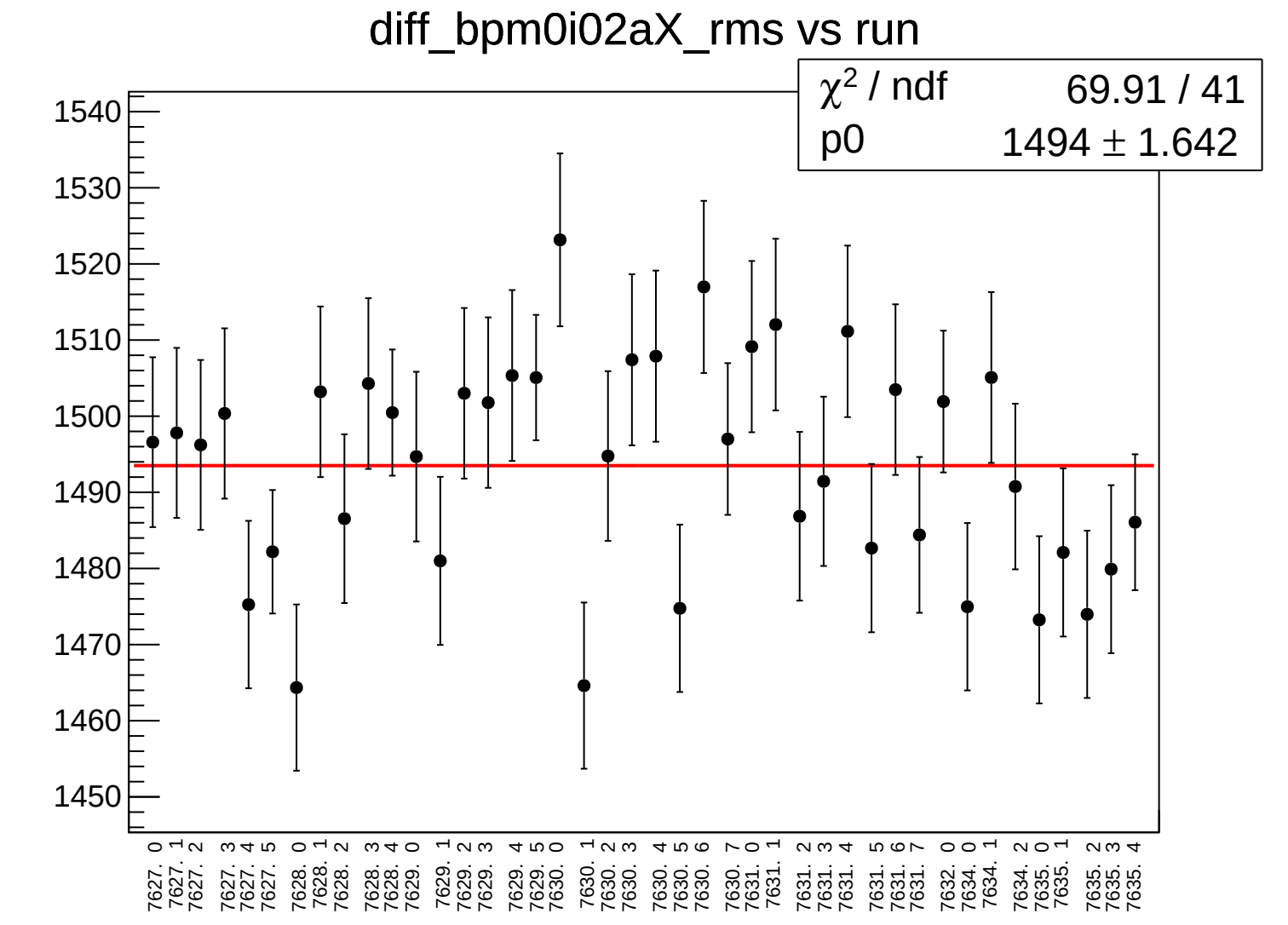

diff_bpm0i02Y_mean vs run
χ² / ndf 104.7 / 41
p0 −21.61± 2.616
pull
Entries 42
Mean −1977
Std Dev 0

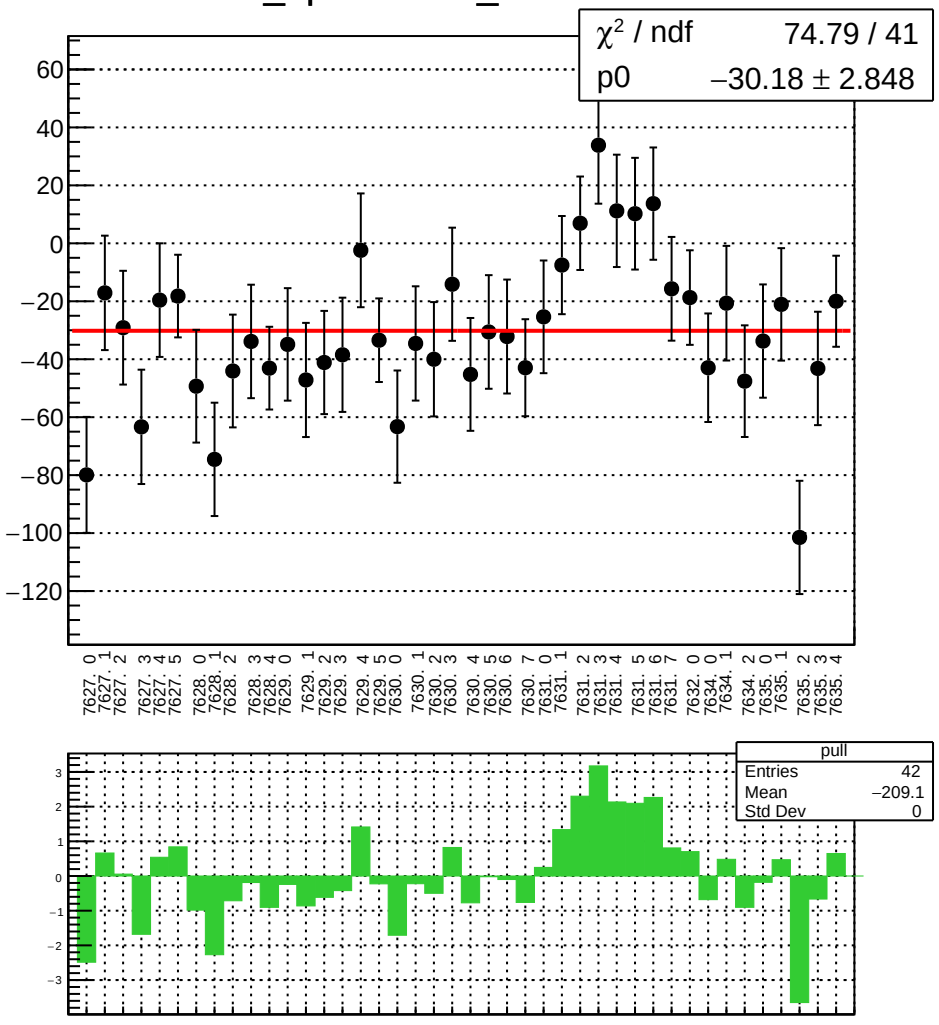

pull1D
Entries 42
Mean −0.002262
Std Dev 1.579

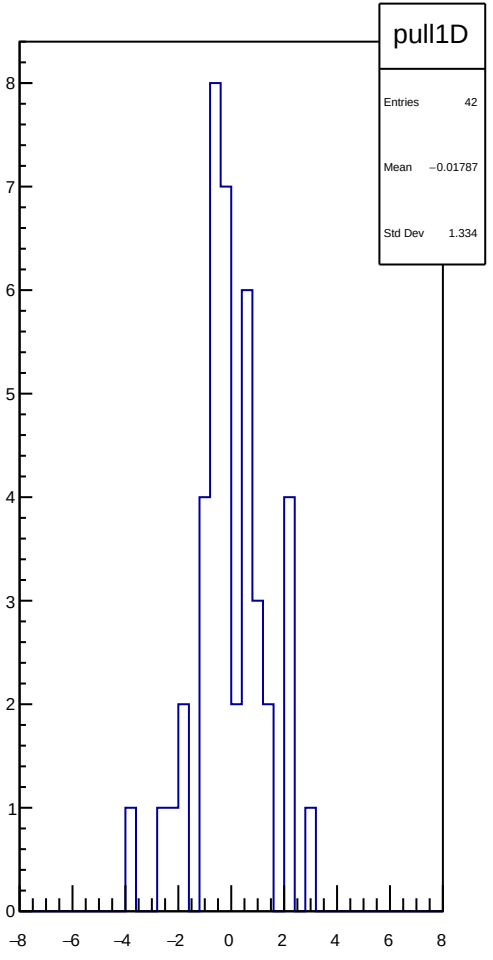

diff_bpm0i02Y_rms vs run
χ² / ndf 444.3 / 41
p0 1682 ± 1.849
1750
1700
1650
1600
1550
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

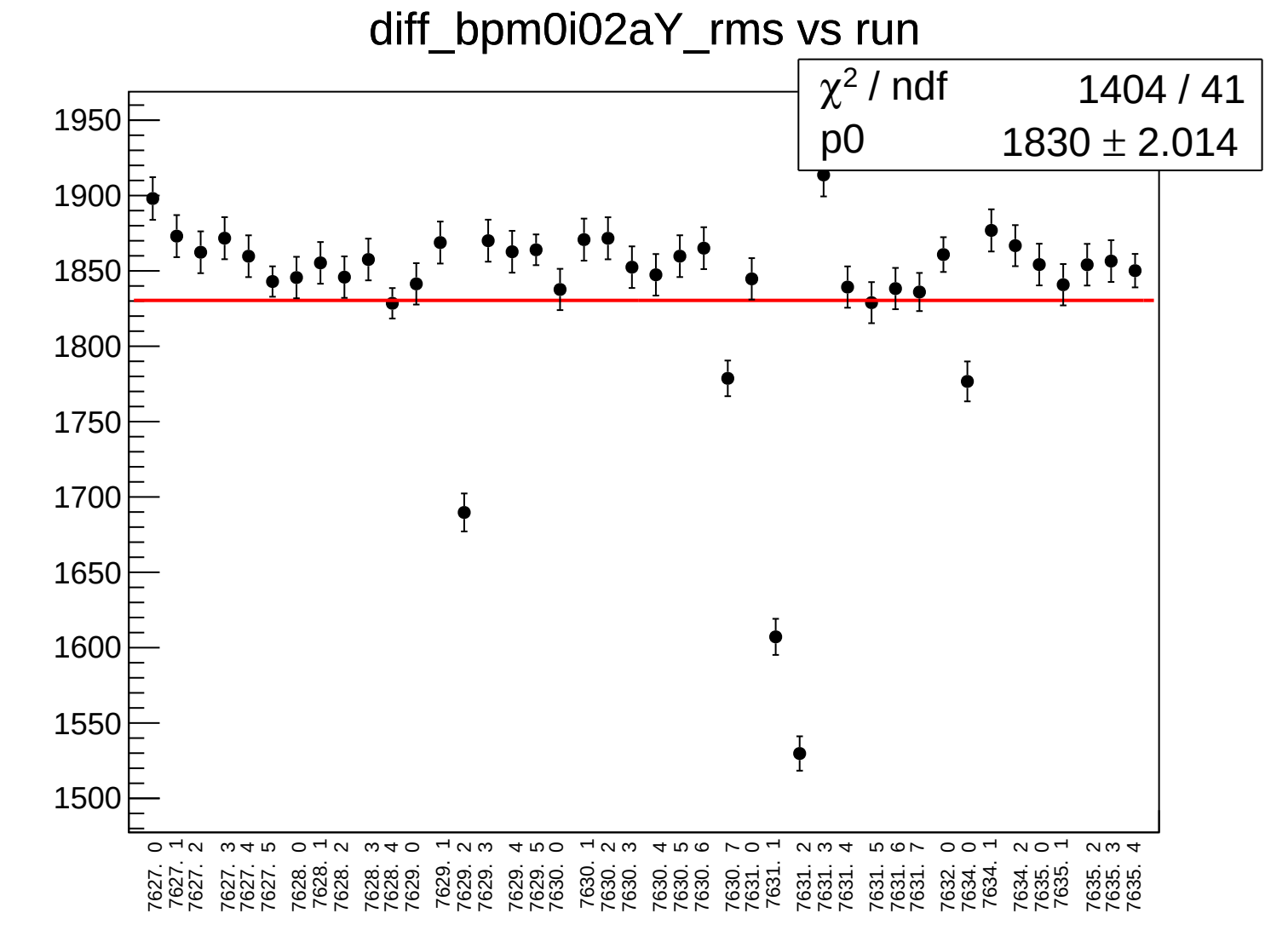

diff_bpm0i02aX_mean vs run
χ² / ndf 268.6 / 41
p0 69.38 ± 2.322
150
100
50
0
−50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −386.8
Std Dev 0
4
2
0
−2
−4
−6

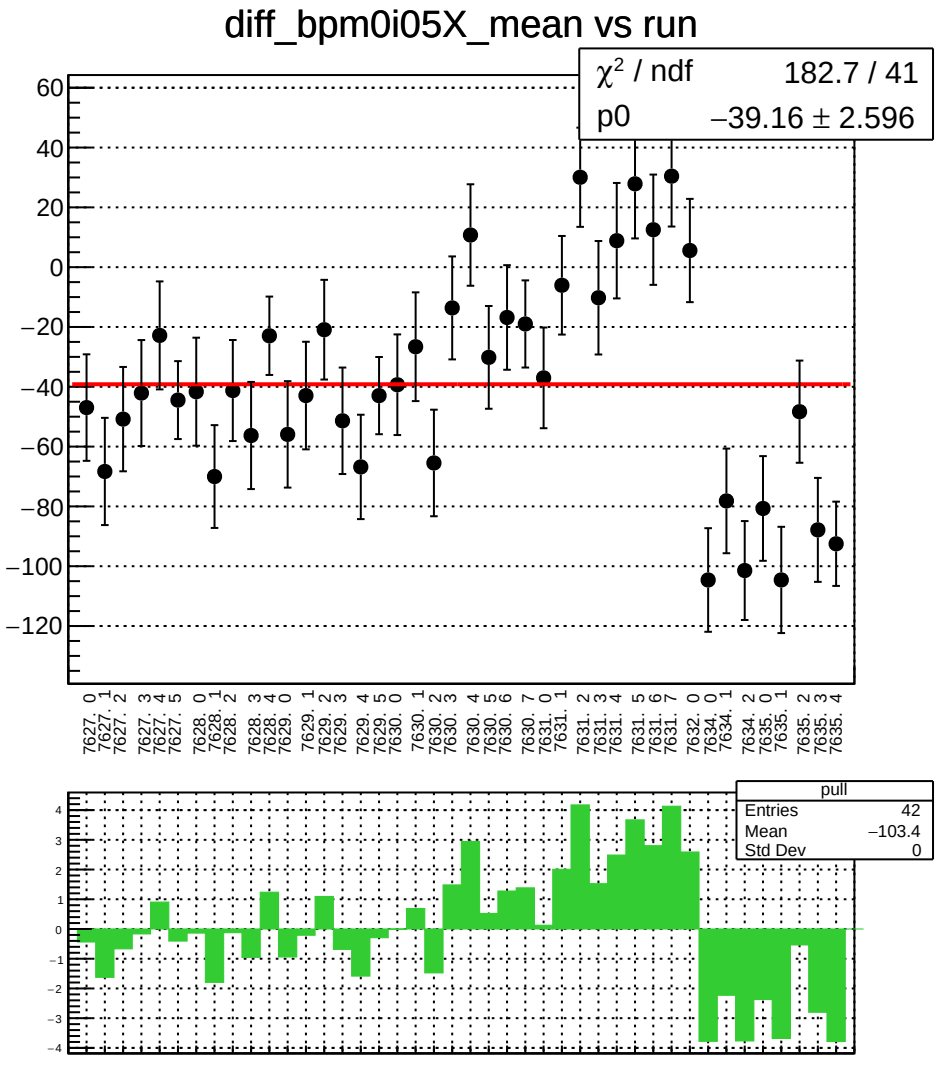

pull1D
Entries 42
Mean 0.008479
Std Dev 2.529
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

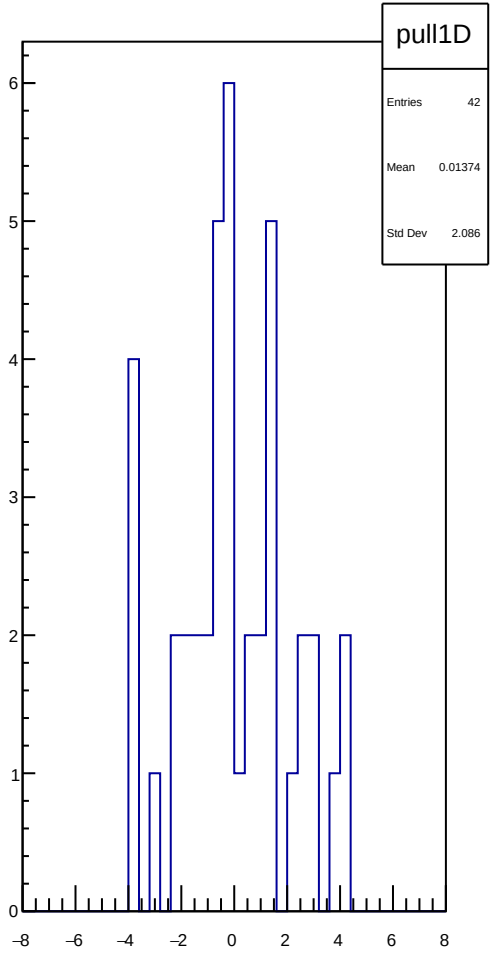

diff_bpm0i02aX_rms vs run
χ² / ndf 69.91 / 41
p0 1494 ± 1.642
1540
1530
1520
1510
1500
1490
1480
1470
1460
1450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

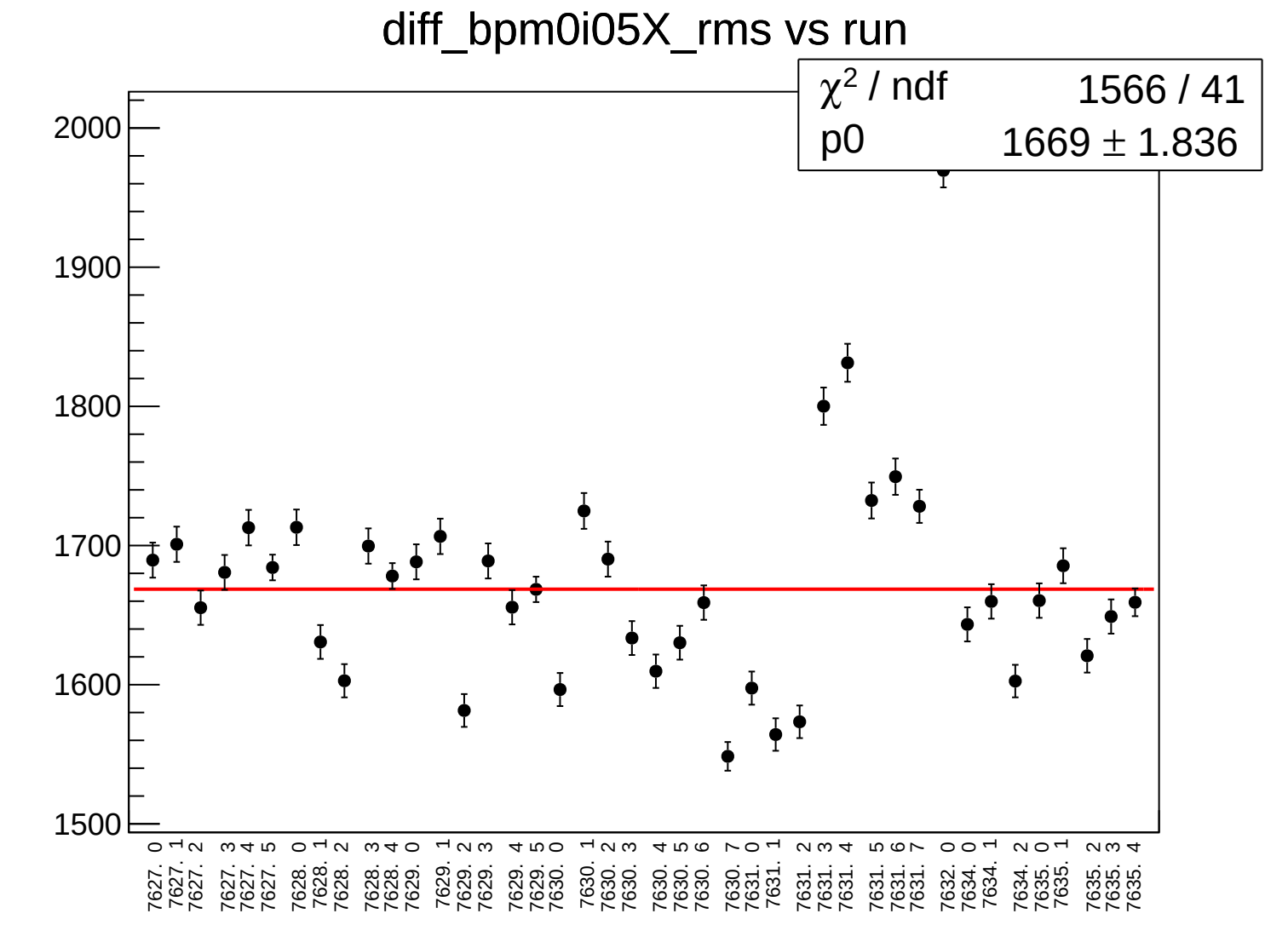

diff_bpm0i02aY_mean vs run
χ² / ndf 74.79 / 41
p0 −30.18 ± 2.848
pull
Entries 42
Mean −209.1
Std Dev 0

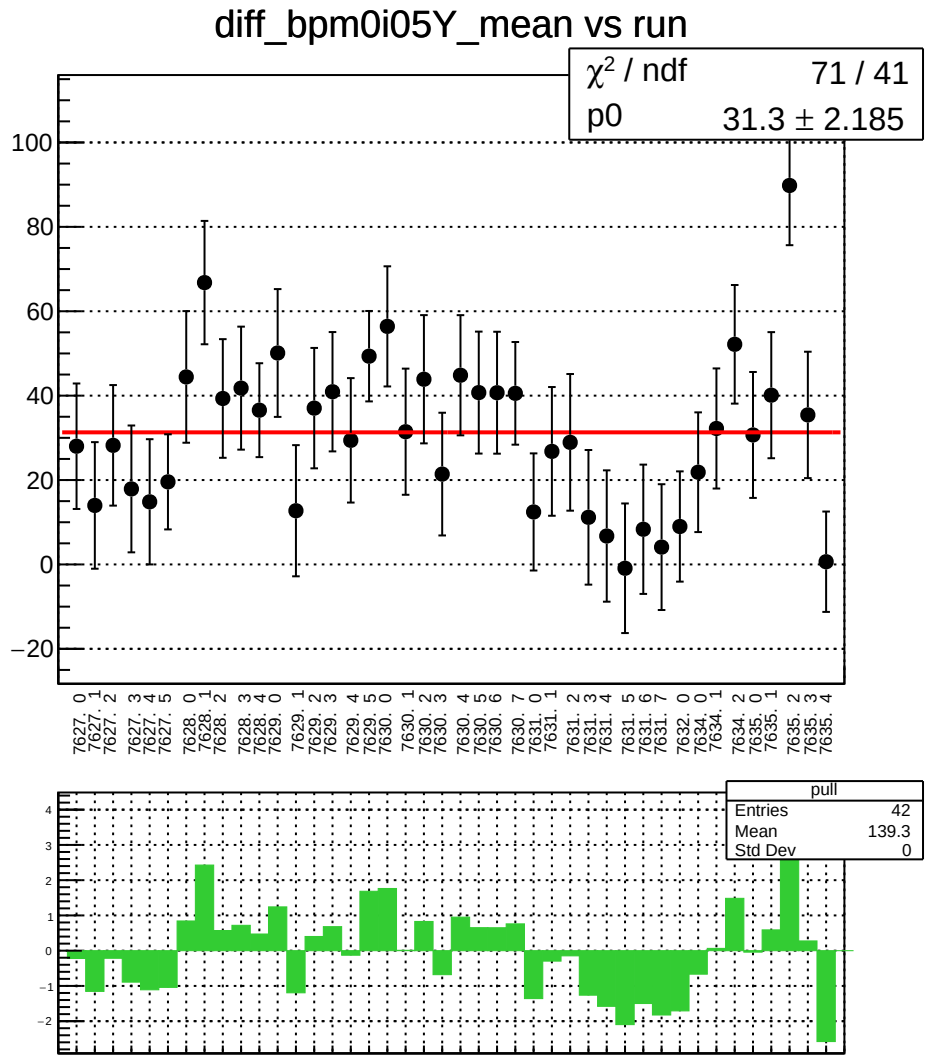

pull1D
Entries 42
Mean −0.01787
Std Dev 1.334

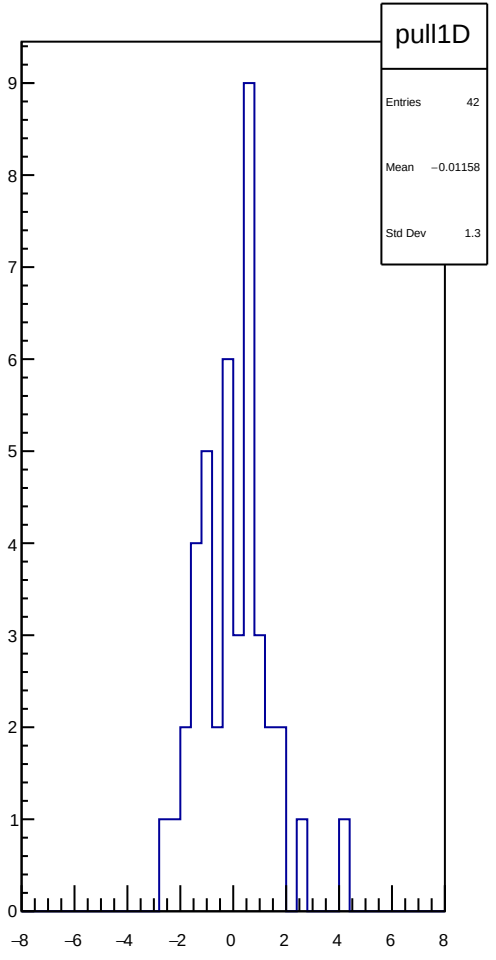

diff_bpm0i02aY_rms vs run
χ² / ndf 1404 / 41
p0 1830 ± 2.014
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

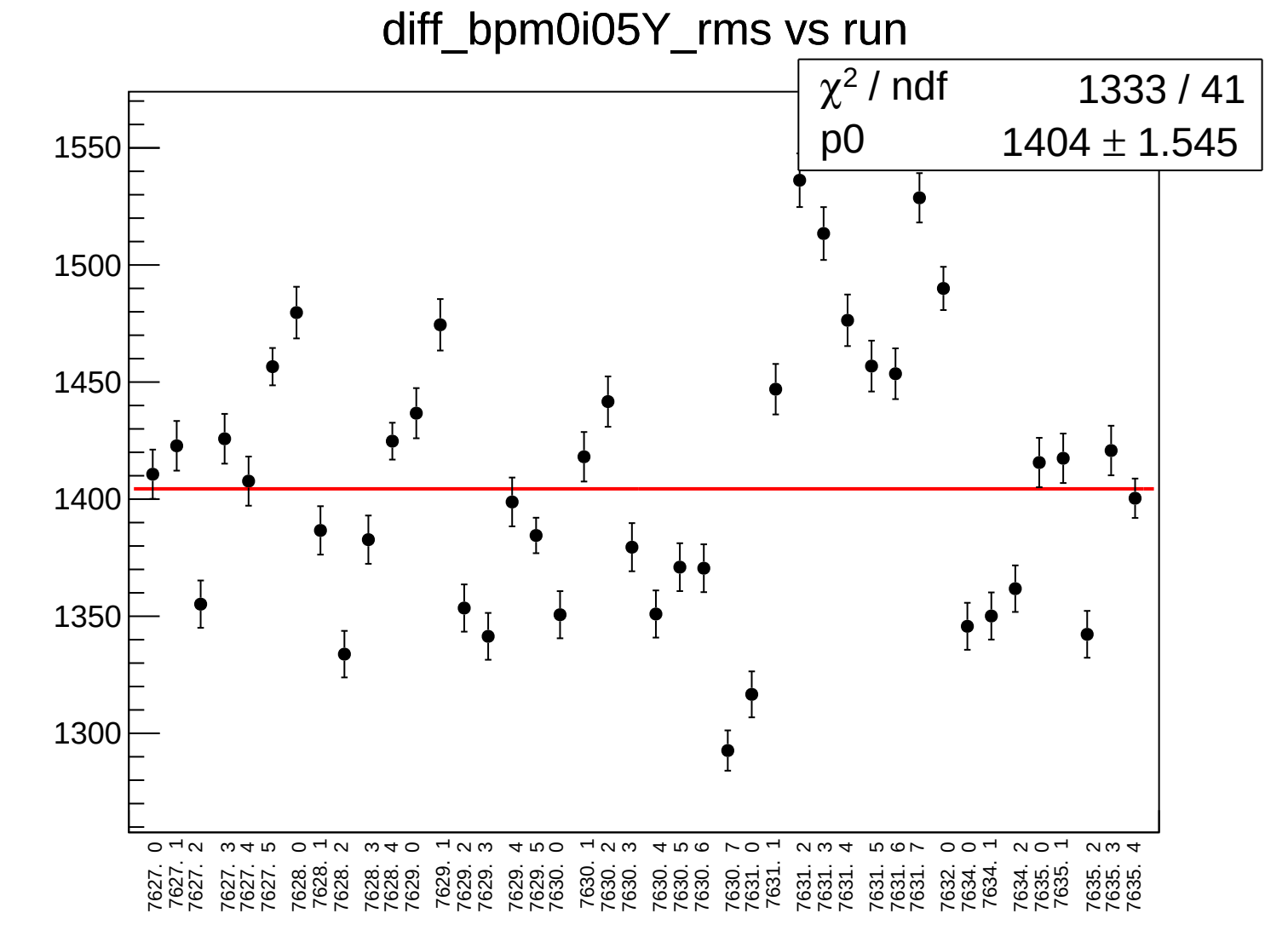

diff_bpm0i05X_mean vs run
χ² / ndf 182.7 / 41
p0 −39.16 ± 2.596
pull
Entries 42
Mean −103.4
Std Dev 0

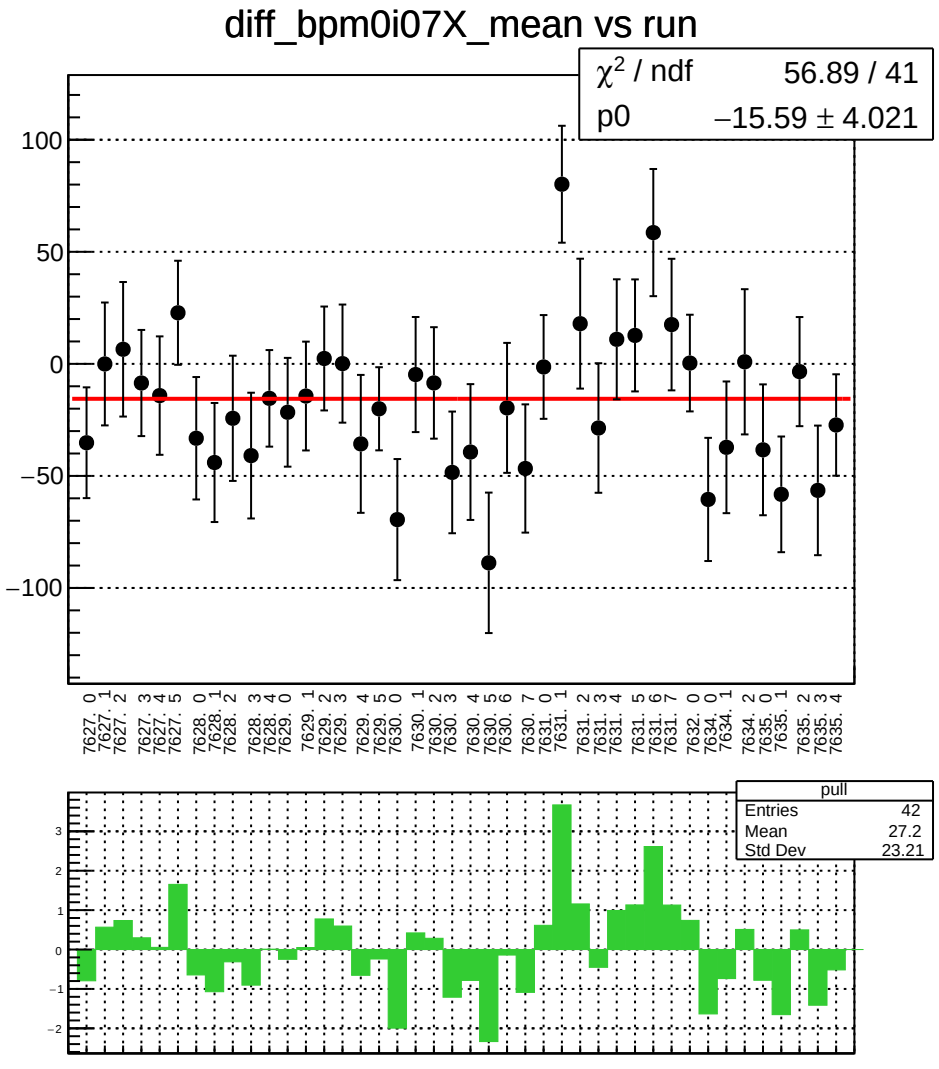

pull1D
Entries 42
Mean 0.01374
Std Dev 2.086

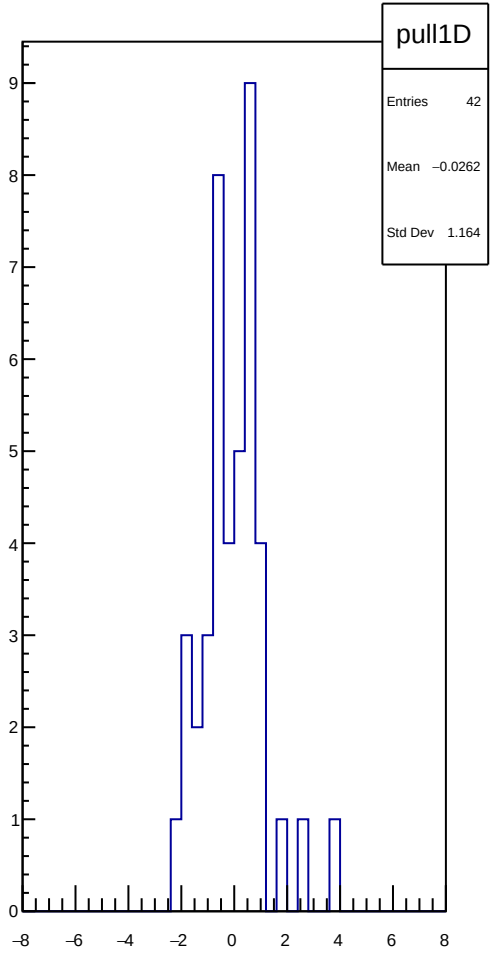

diff_bpm0i05X_rms vs run
χ² / ndf 1566 / 41
p0 1669 ± 1.836
2000
1900
1800
1700
1600
1500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

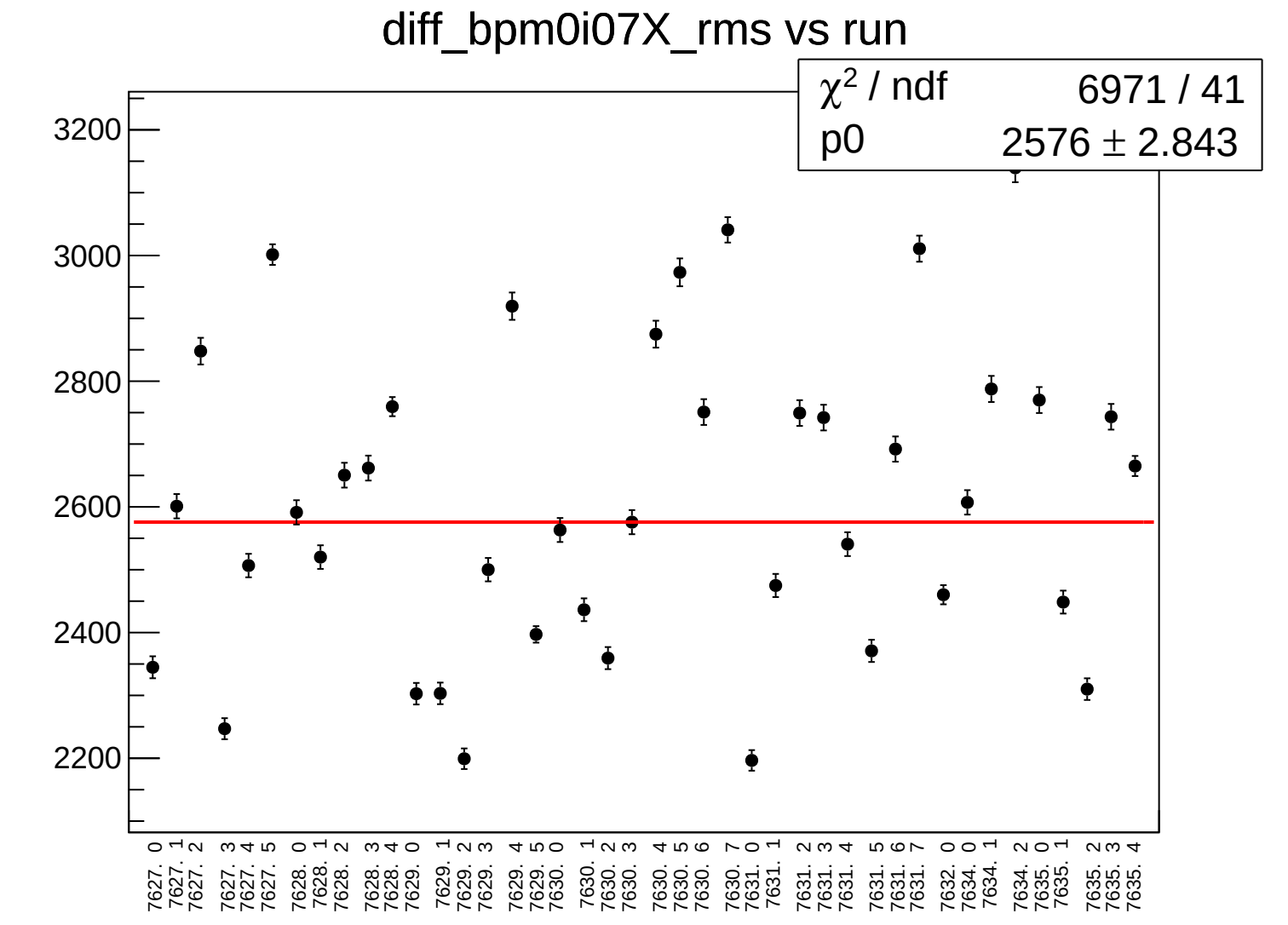

diff_bpm0i05Y_mean vs run
χ² / ndf 71 / 41
p0 31.3 ± 2.185
100
80
60
40
20
0
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 139.3
Std Dev 0
4
3
2
1
0
−1
−2

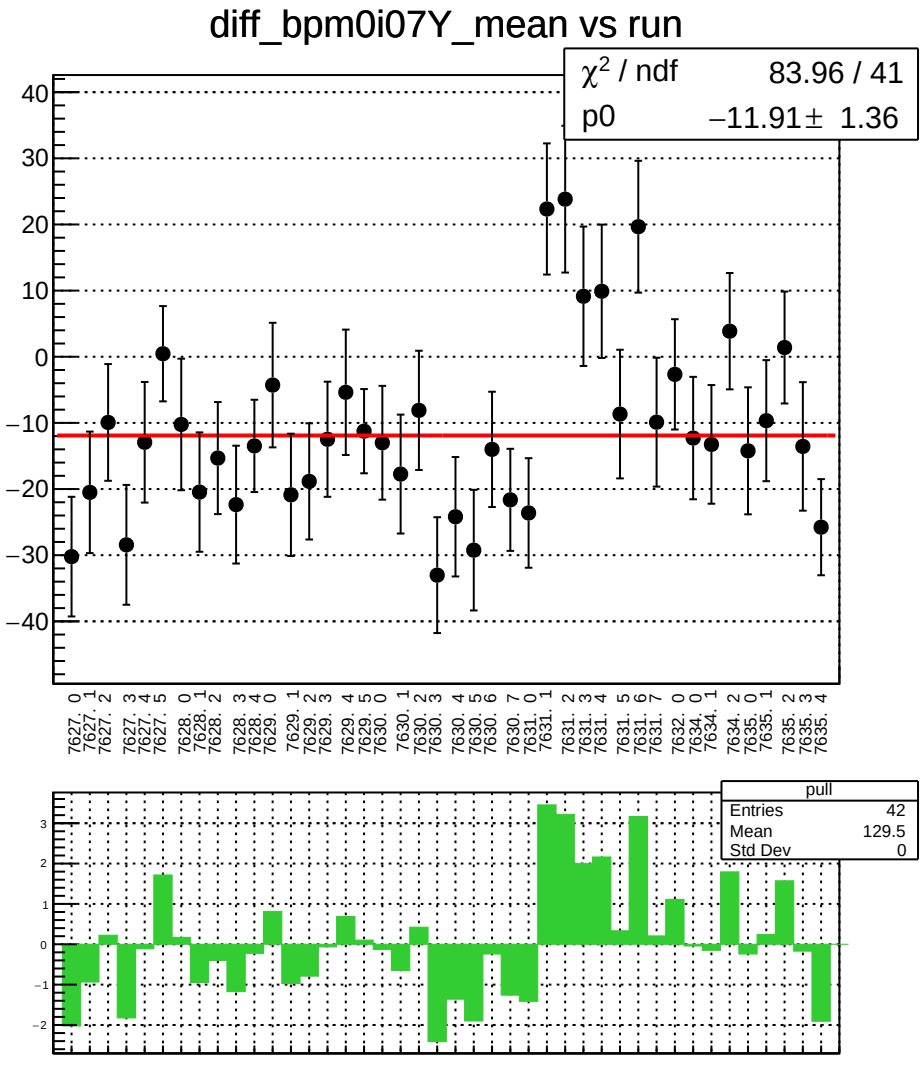

pull1D
Entries 42
Mean −0.01158
Std Dev 1.3
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

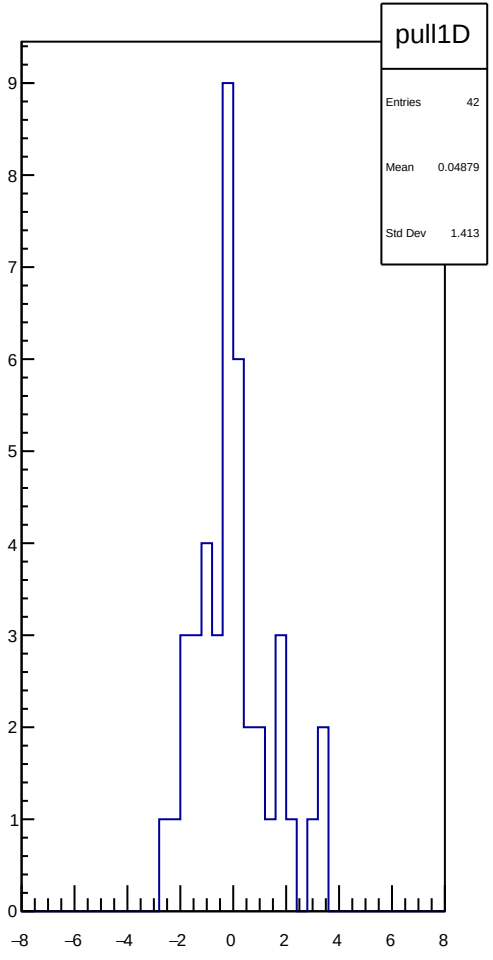

diff_bpm0i05Y_rms vs run
χ² / ndf 1333 / 41
p0 1404 ± 1.545
1550
1500
1450
1400
1350
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

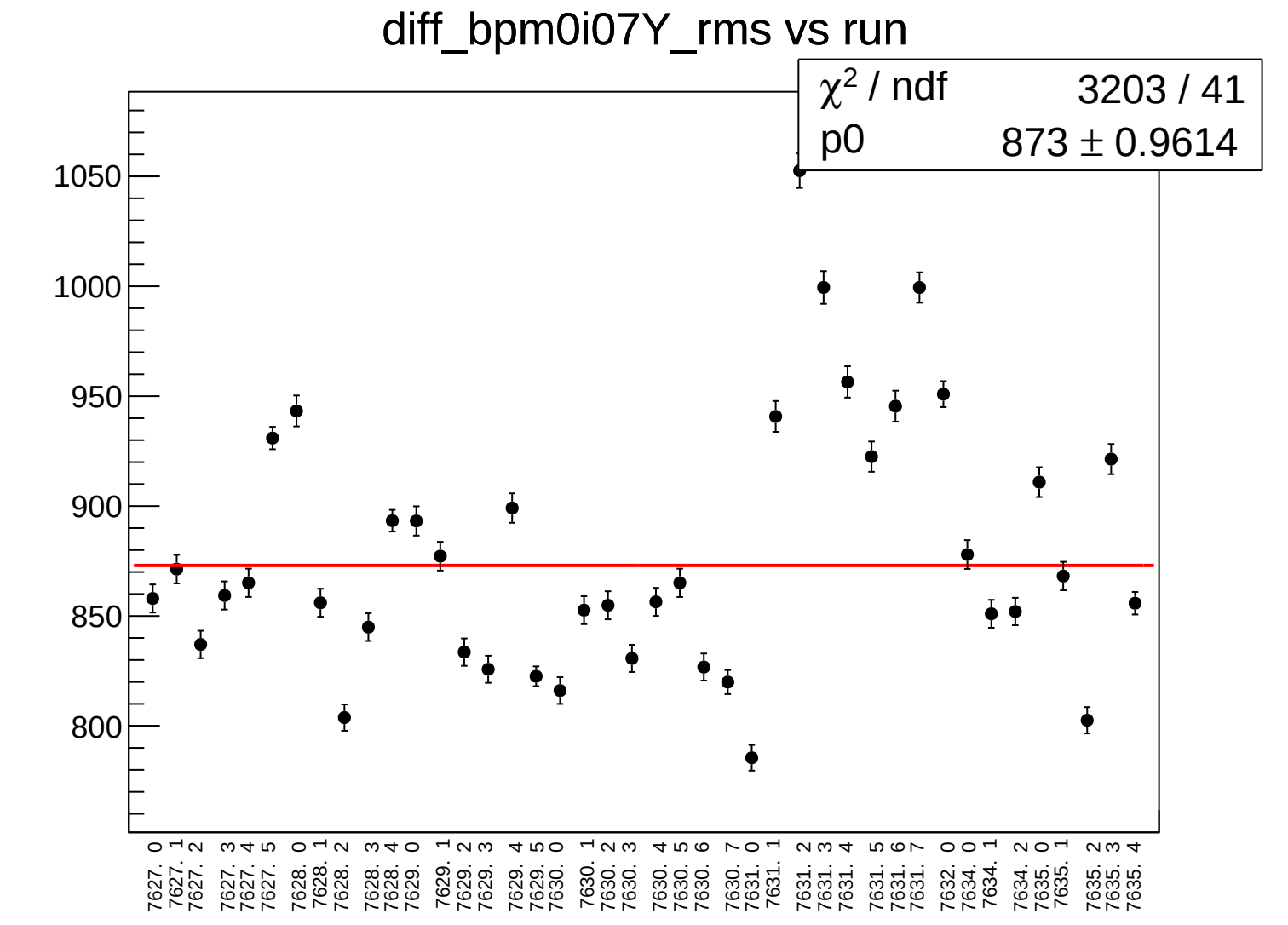

diff_bpm0i07X_mean vs run
χ² / ndf 56.89 / 41
p0 −15.59 ± 4.021
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 27.2
Std Dev 23.21
3
2
1
0
−1
−2

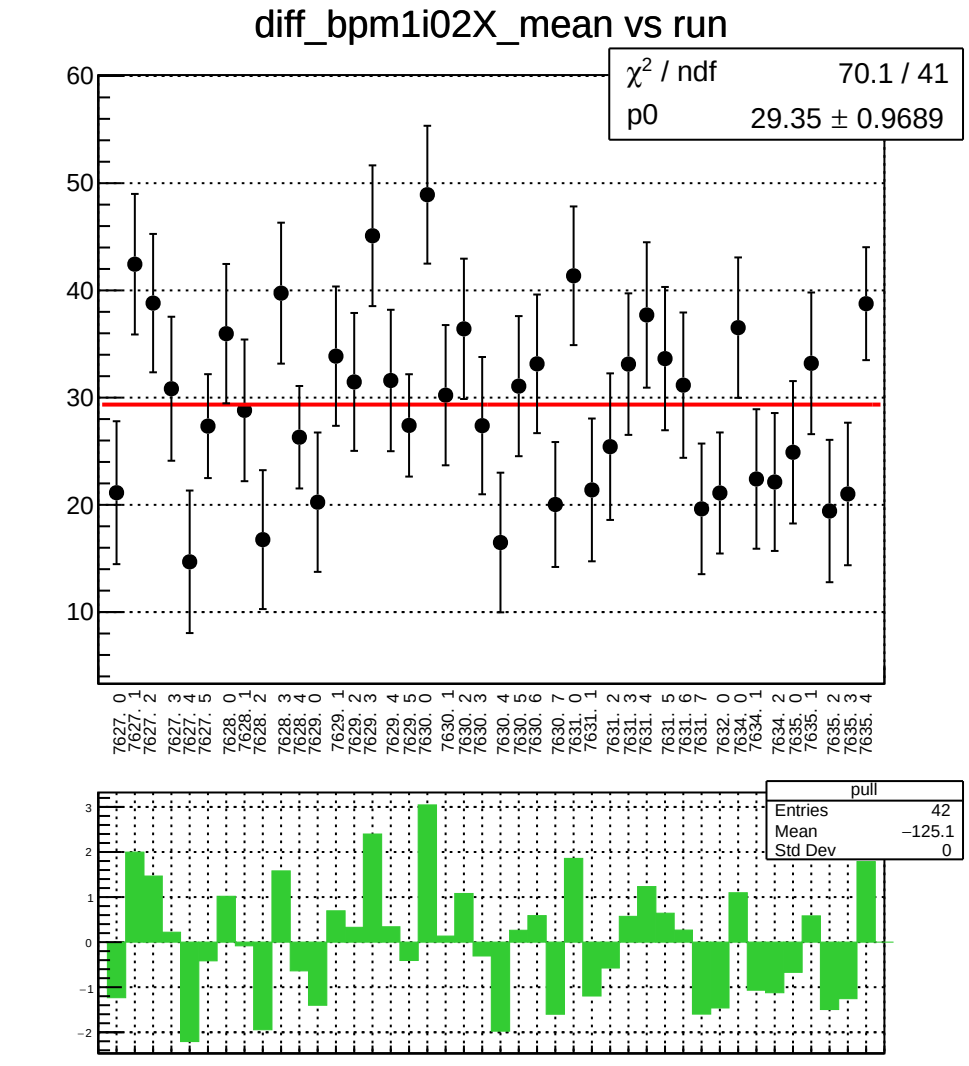

pull1D
Entries 42
Mean −0.0262
Std Dev 1.164
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

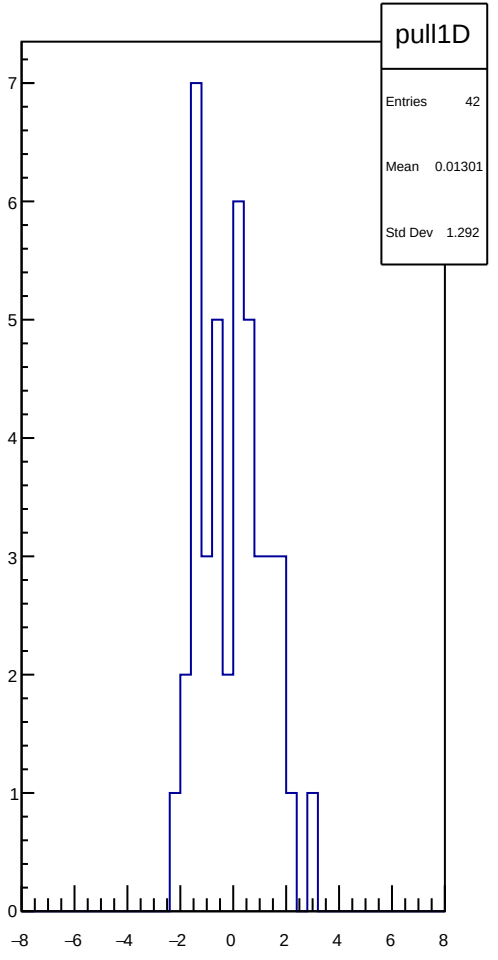

diff_bpm0i07X_rms vs run
χ² / ndf 6971 / 41
p0 2576 ± 2.843
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

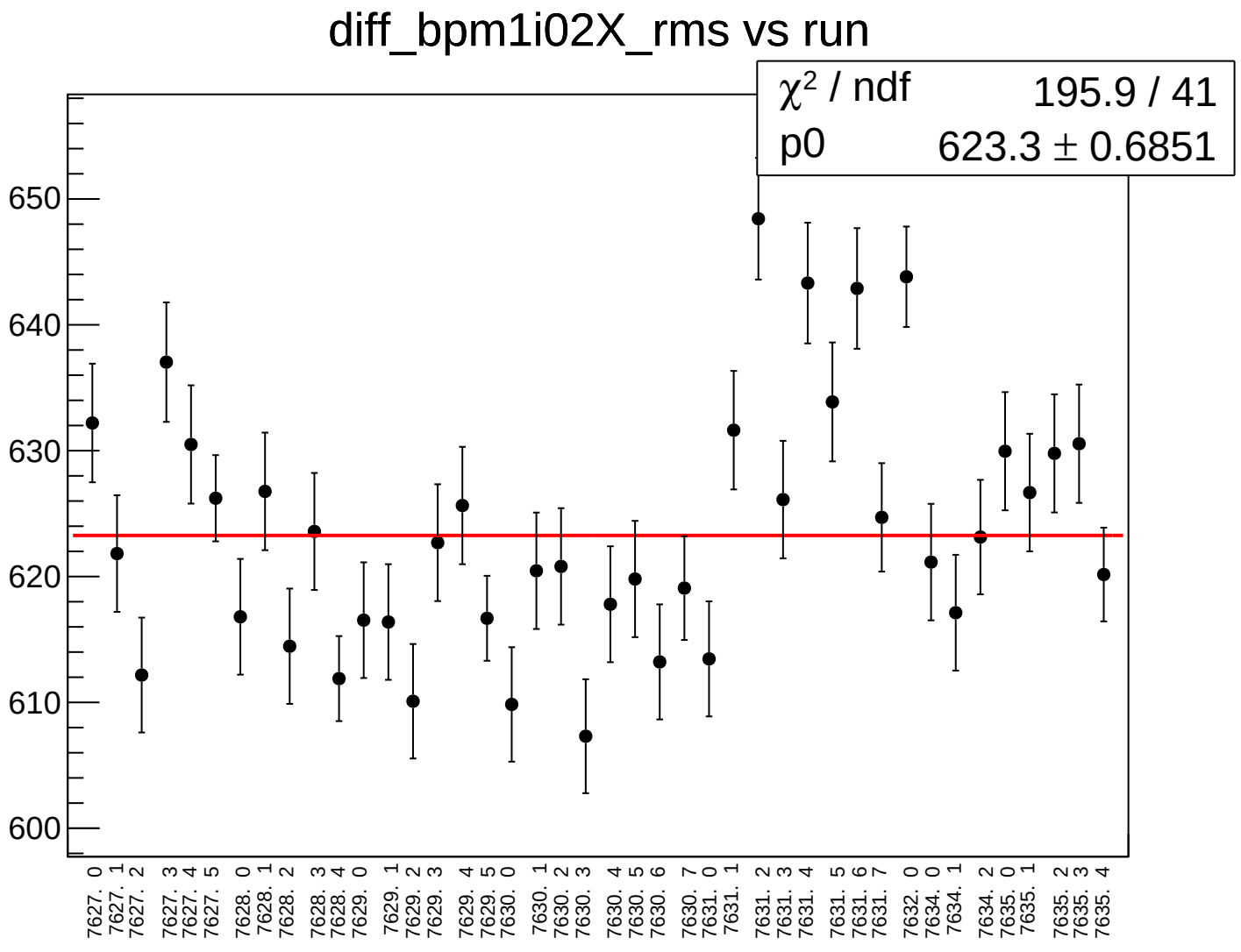

diff_bpm0i07Y_mean vs run
χ² / ndf 83.96 / 41
p0 −11.91± 1.36
40
30
20
10
0
−10
−20
−30
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 129.5
Std Dev 0
3
2
1
0
−1
−2

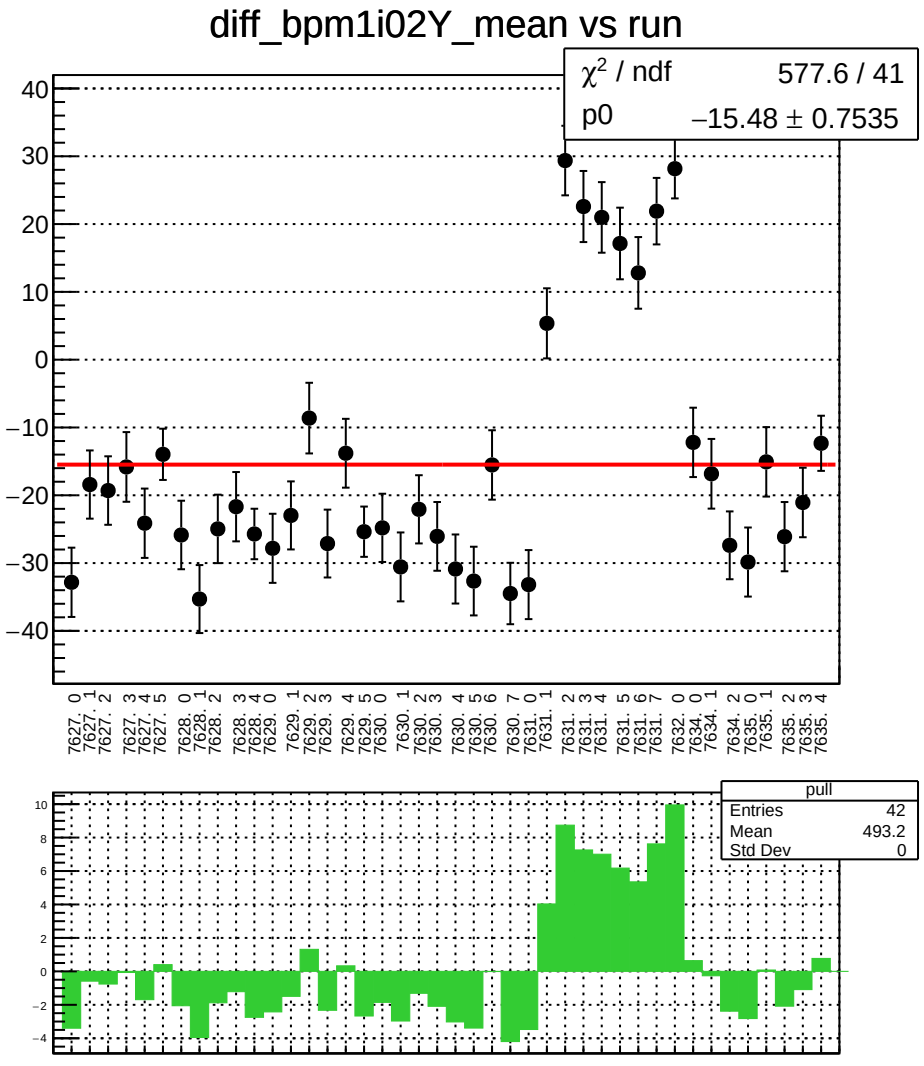

pull1D
Entries 42
Mean 0.04879
Std Dev 1.413
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

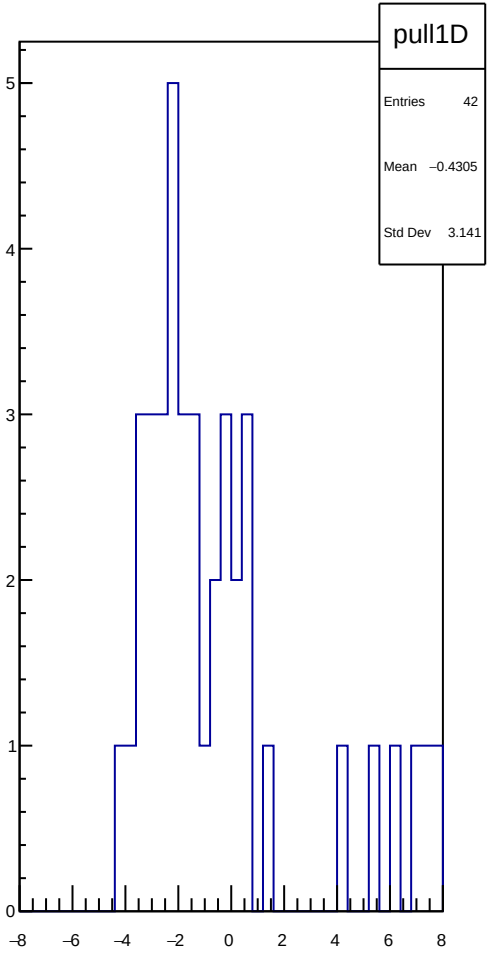

diff_bpm0i07Y_rms vs run
χ² / ndf 3203 / 41
p0 873 ± 0.9614
1050
1000
950
900
850
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

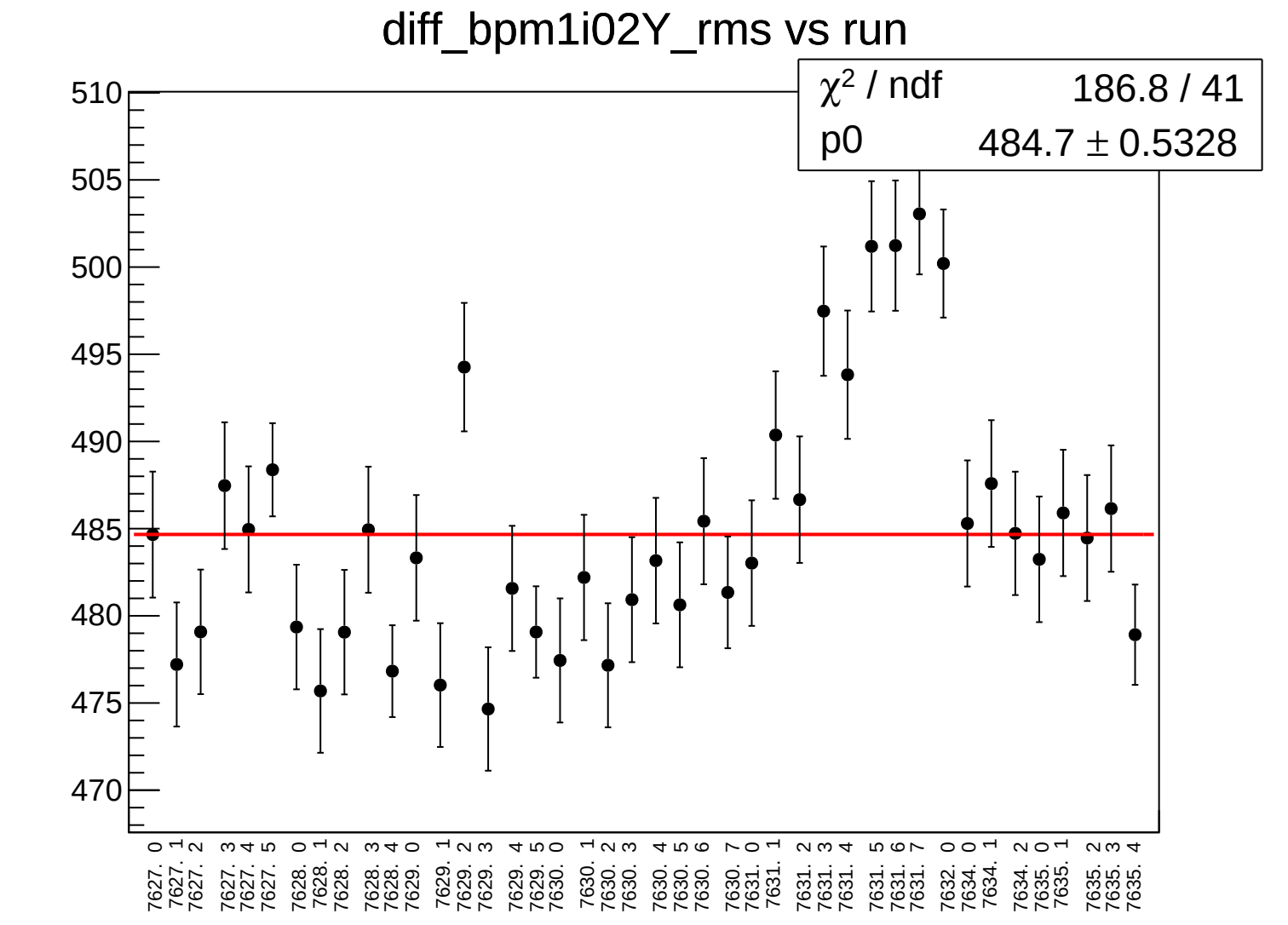

diff_bpm1i02X_mean vs run
χ² / ndf 70.1 / 41
p0 29.35 ± 0.9689
pull
Entries 42
Mean −125.1
Std Dev 0

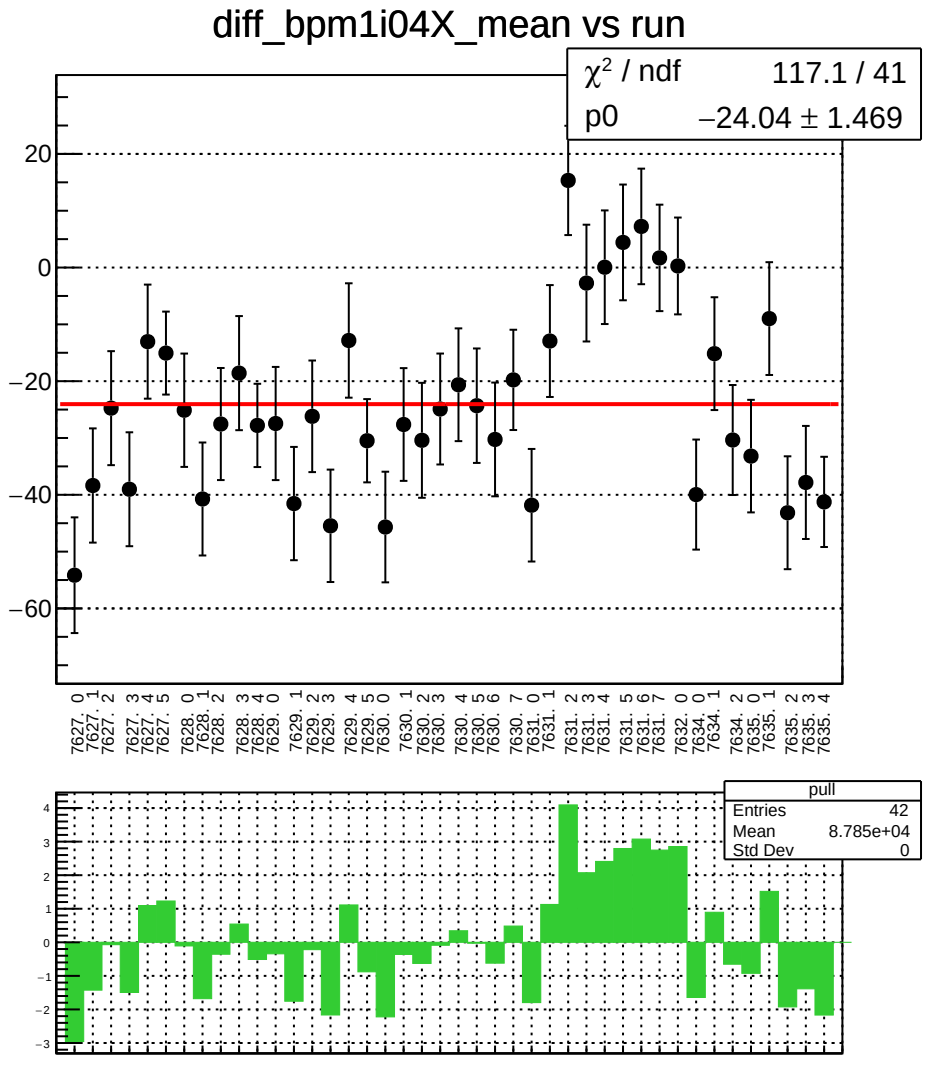

pull1D
Entries 42
Mean 0.01301
Std Dev 1.292

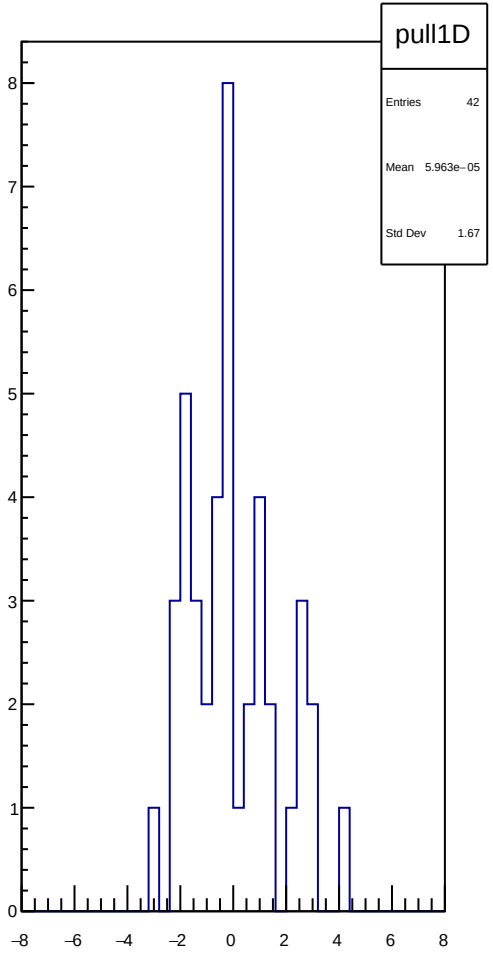

diff_bpm1i02X_rms vs run
χ² / ndf 195.9 / 41
p0 623.3 ± 0.6851
650
640
630
620
610
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

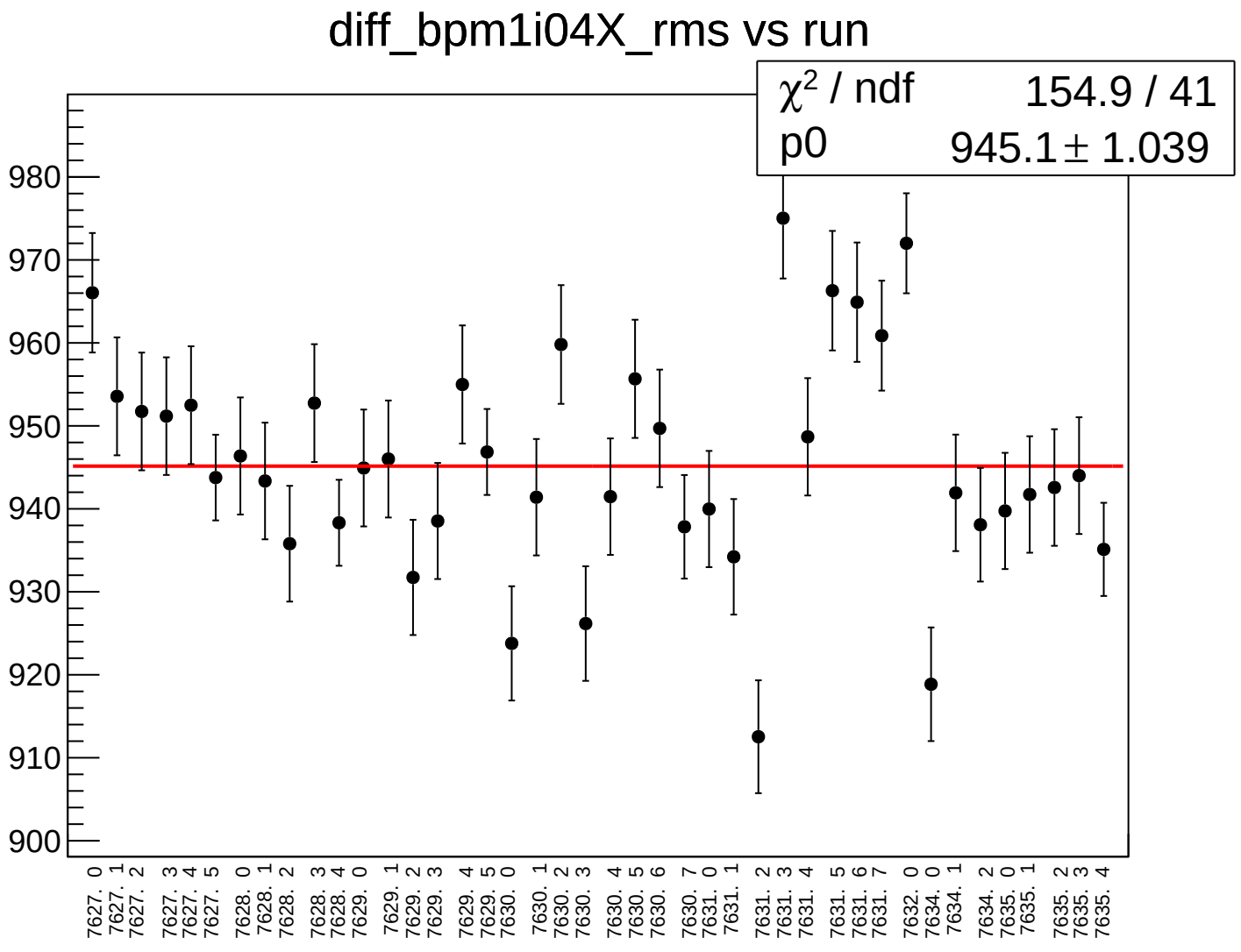

diff_bpm1i02Y_mean vs run
χ² / ndf 577.6 / 41
p0 −15.48 ± 0.7535
pull
Entries 42
Mean 493.2
Std Dev 0

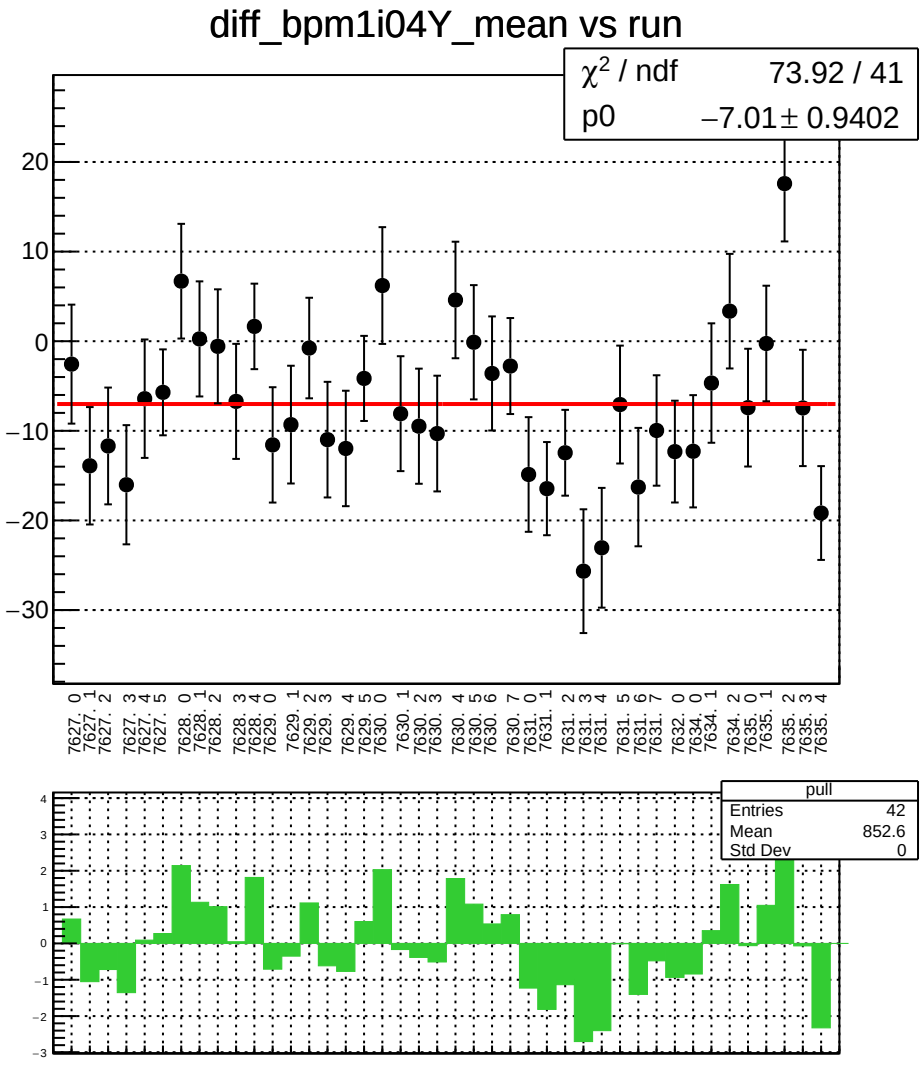

pull1D
Entries 42
Mean −0.4305
Std Dev 3.141

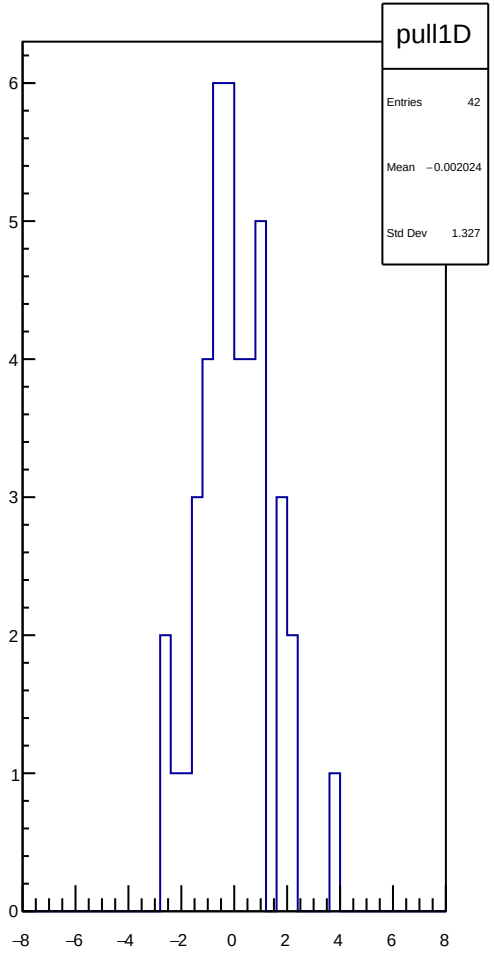

diff_bpm1i02Y_rms vs run
χ² / ndf 186.8 / 41
p0 484.7 ± 0.5328
510
505
500
495
490
485
480
475
470
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

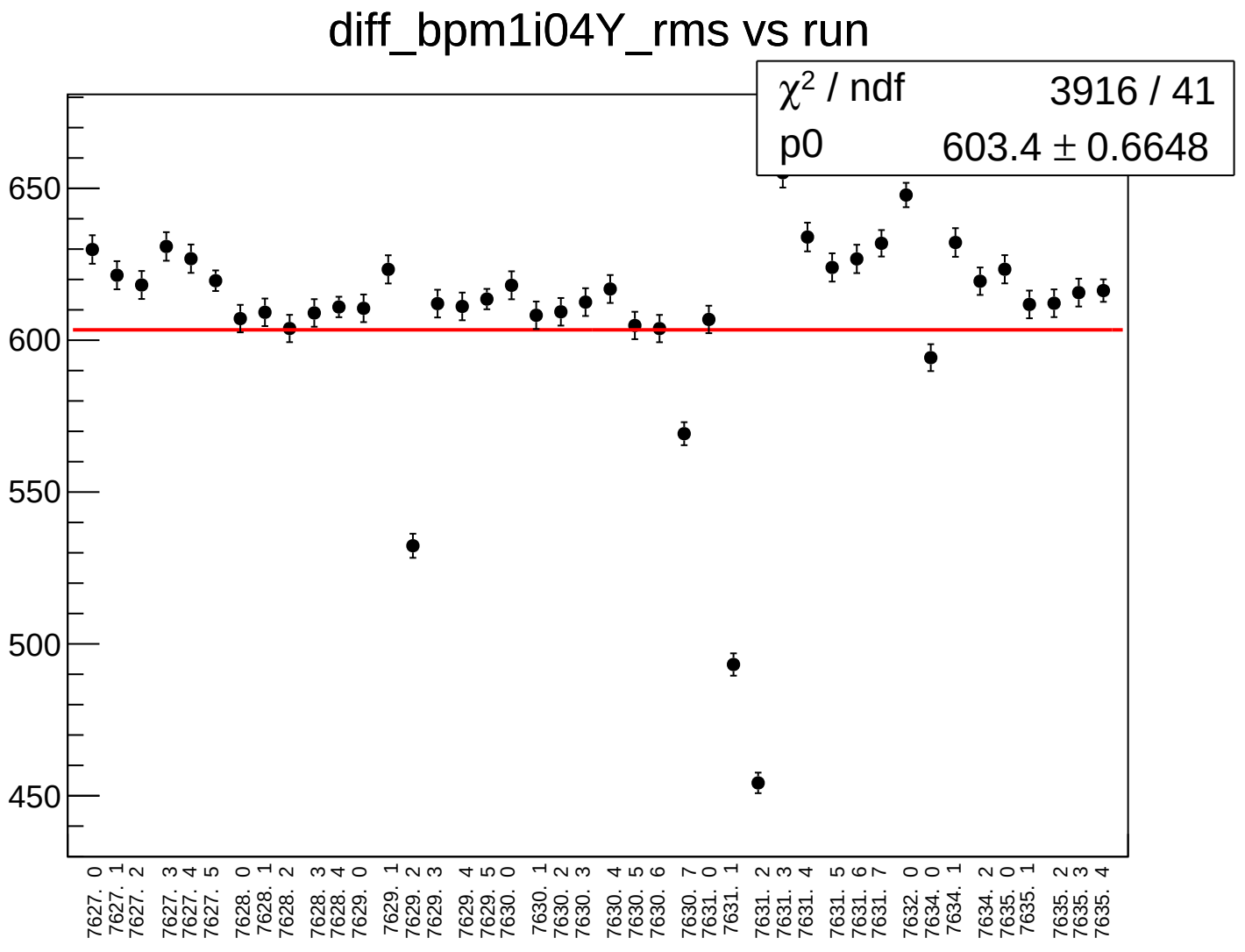

diff_bpm1i04X_mean vs run
χ² / ndf 117.1 / 41
p0 −24.04 ± 1.469
20
0
−20
−40
−60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 8.785e+04
Std Dev 0
4
3
2
1
0
−1
−2
−3

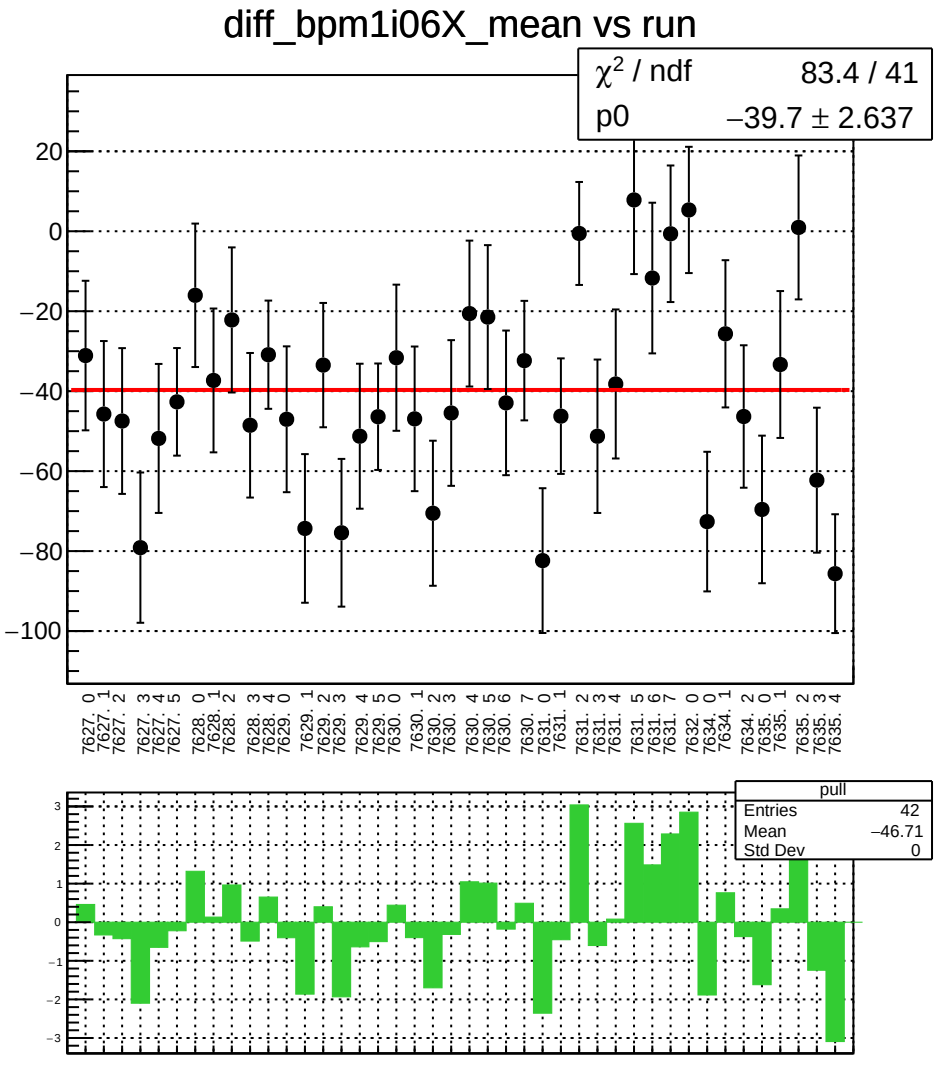

pull1D
Entries 42
Mean 5.963e−05
Std Dev 1.67
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

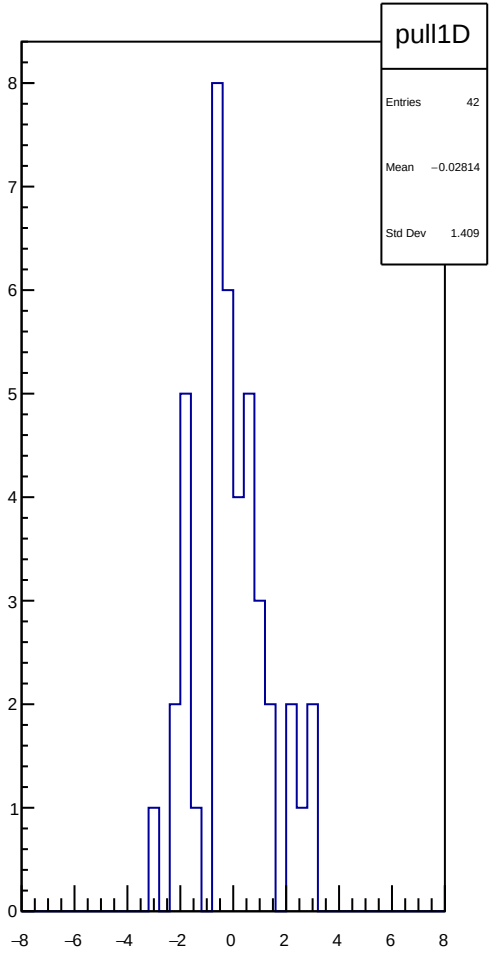

diff_bpm1i04X_rms vs run
χ² / ndf 154.9 / 41
p0 945.1 ± 1.039
980
970
960
950
940
930
920
910
900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

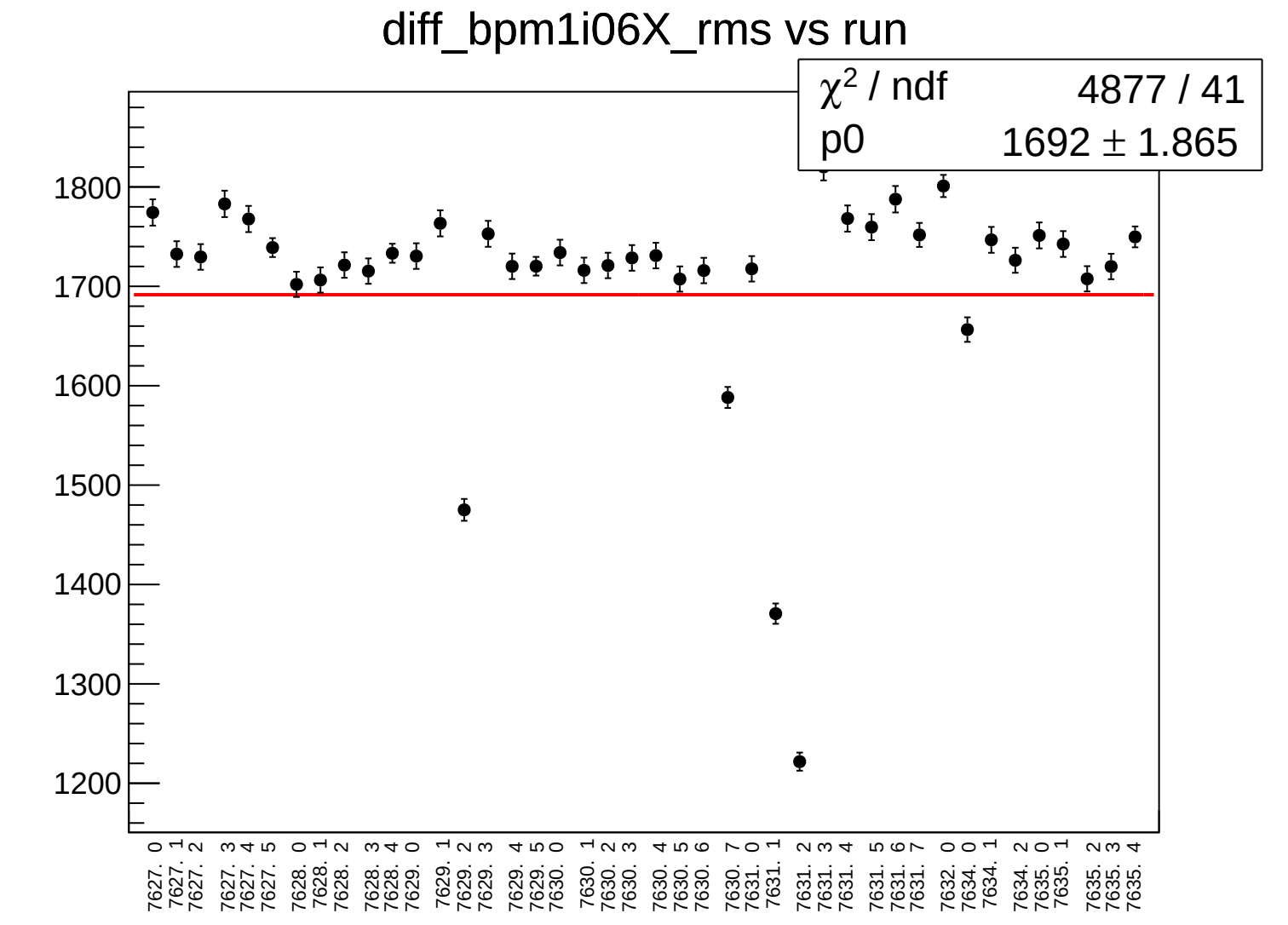

diff_bpm1i04Y_mean vs run
χ² / ndf 73.92 / 41
p0 −7.01 ± 0.9402
20
10
0
−10
−20
−30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 852.6
Std Dev 0
4
3
2
1
0
−1
−2
−3

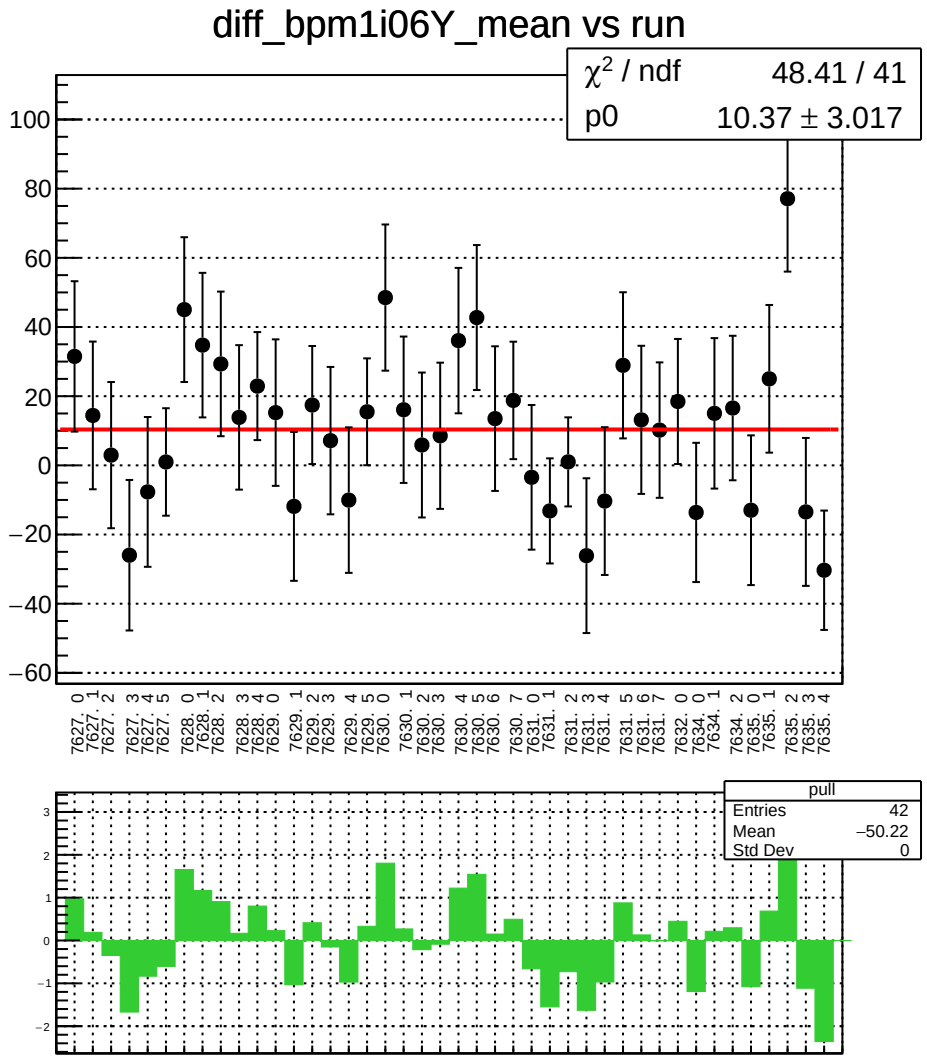

pull1D
Entries 42
Mean −0.002024
Std Dev 1.327
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

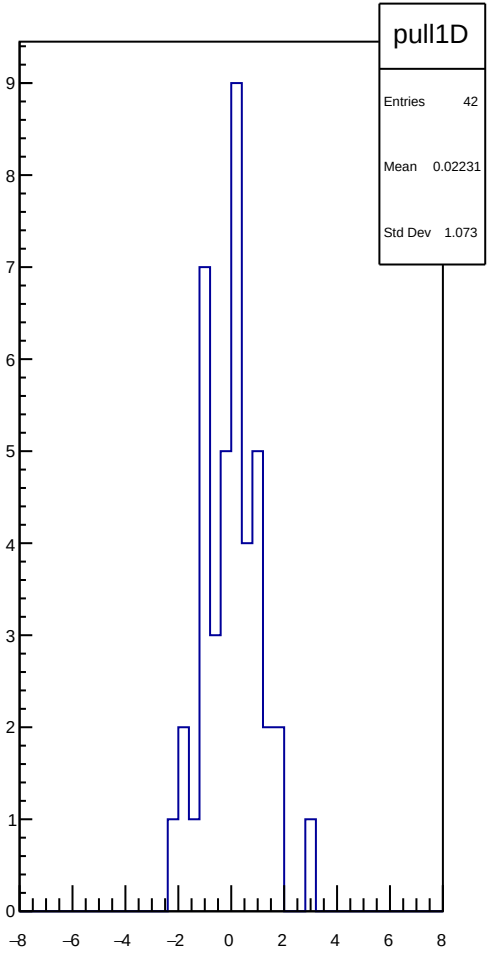

diff_bpm1i04Y_rms vs run
χ² / ndf 3916 / 41
p0 603.4 ± 0.6648
650
600
550
500
450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

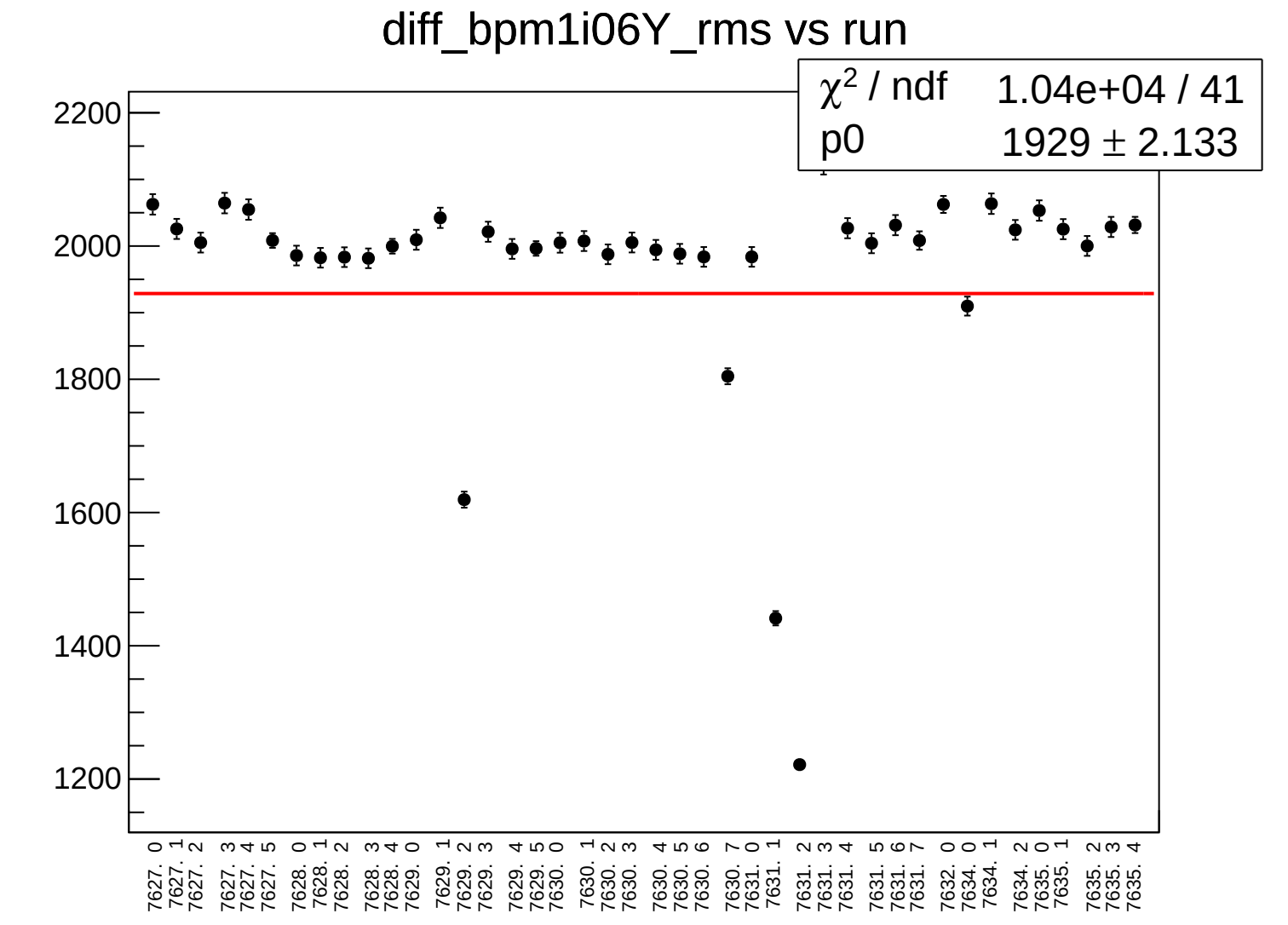

diff_bpm1i06X_mean vs run
χ² / ndf 83.4 / 41
p0 −39.7 ± 2.637
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −46.71
Std Dev 0
3
2
1
0
−1
−2
−3

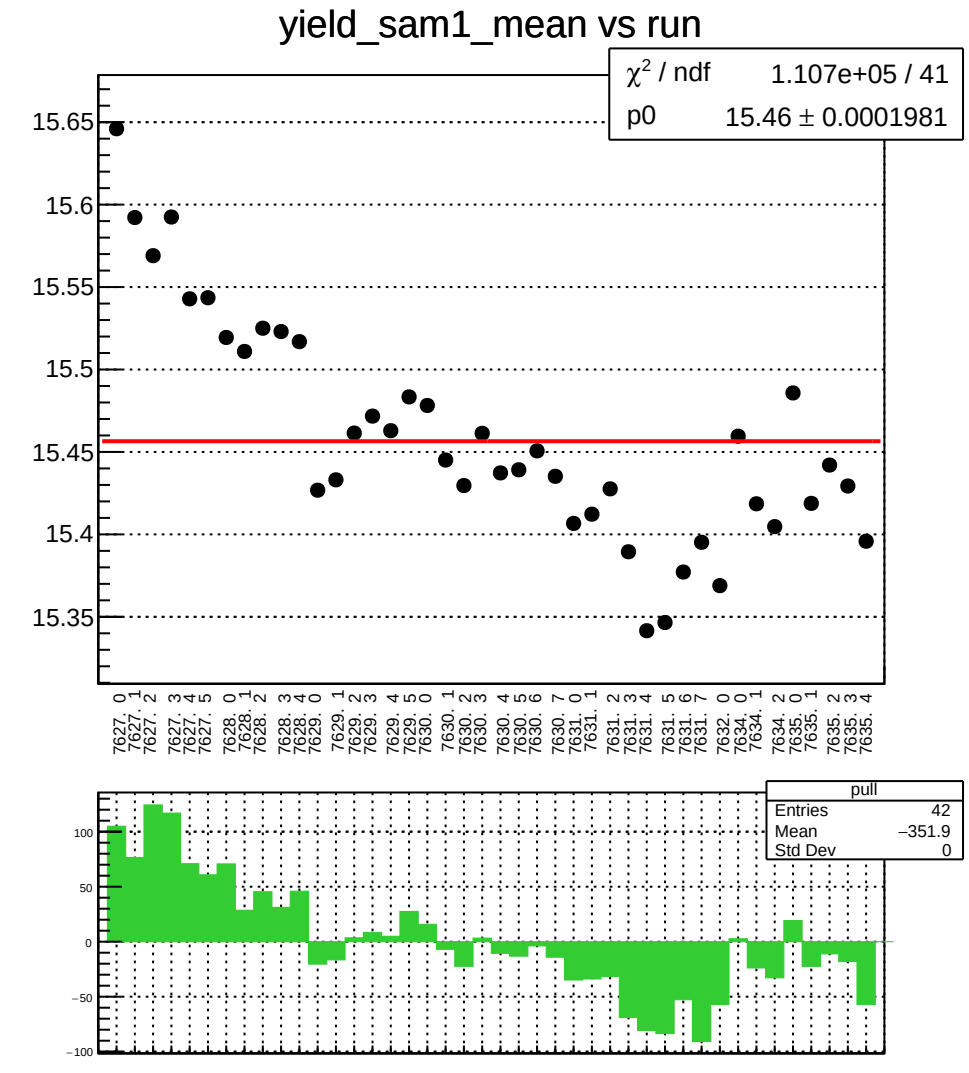

pull1D
Entries 42
Mean −0.02814
Std Dev 1.409
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

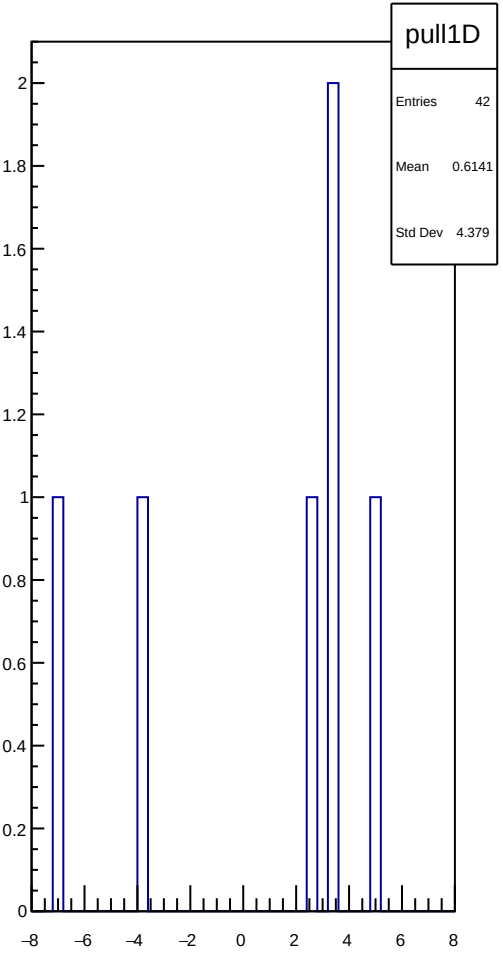

diff_bpm1i06X_rms vs run
χ² / ndf 4877 / 41
p0 1692 ± 1.865
1800
1700
1600
1500
1400
1300
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

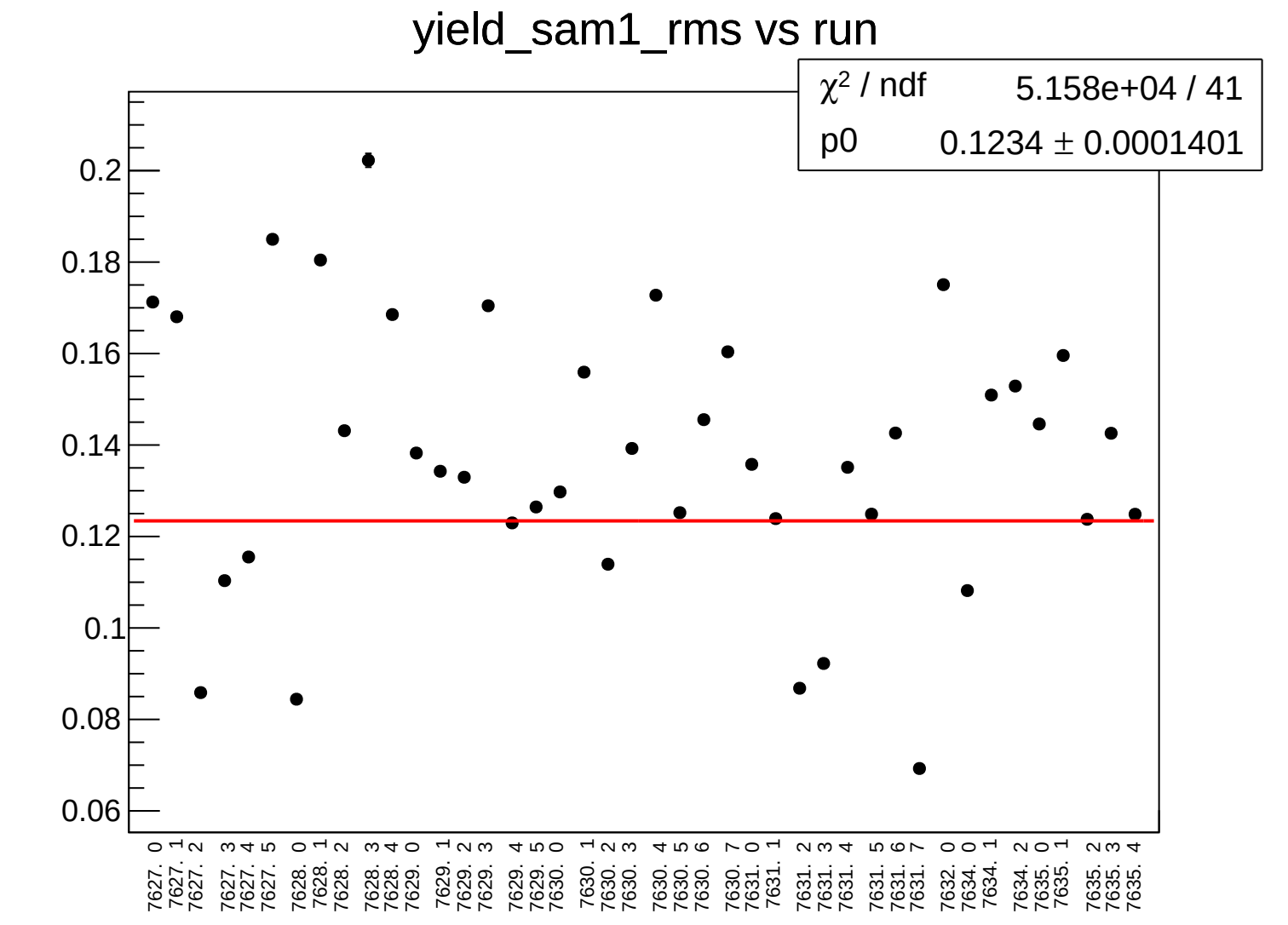

diff_bpm1i06Y_mean vs run
χ² / ndf 48.41 / 41
p0 10.37 ± 3.017
pull
Entries 42
Mean −50.22
Std Dev 0

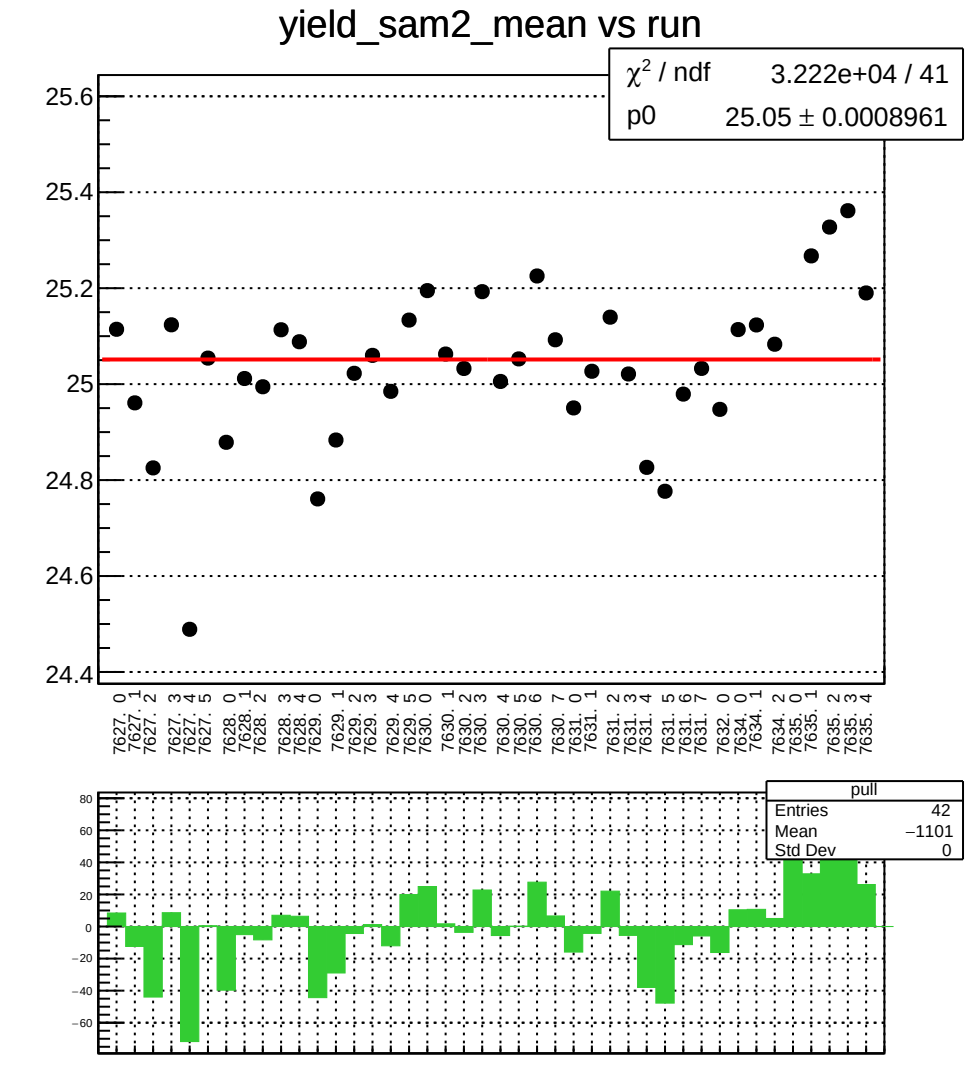

pull1D
Entries 42
Mean 0.02231
Std Dev 1.073

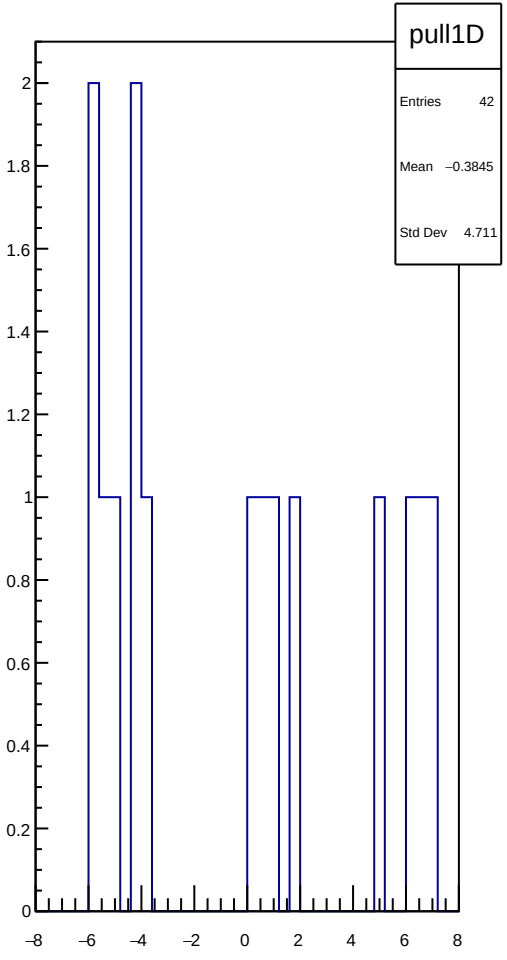

diff_bpm1i06Y_rms vs run
χ² / ndf 1.04e+04 / 41
p0 1929 ± 2.133
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

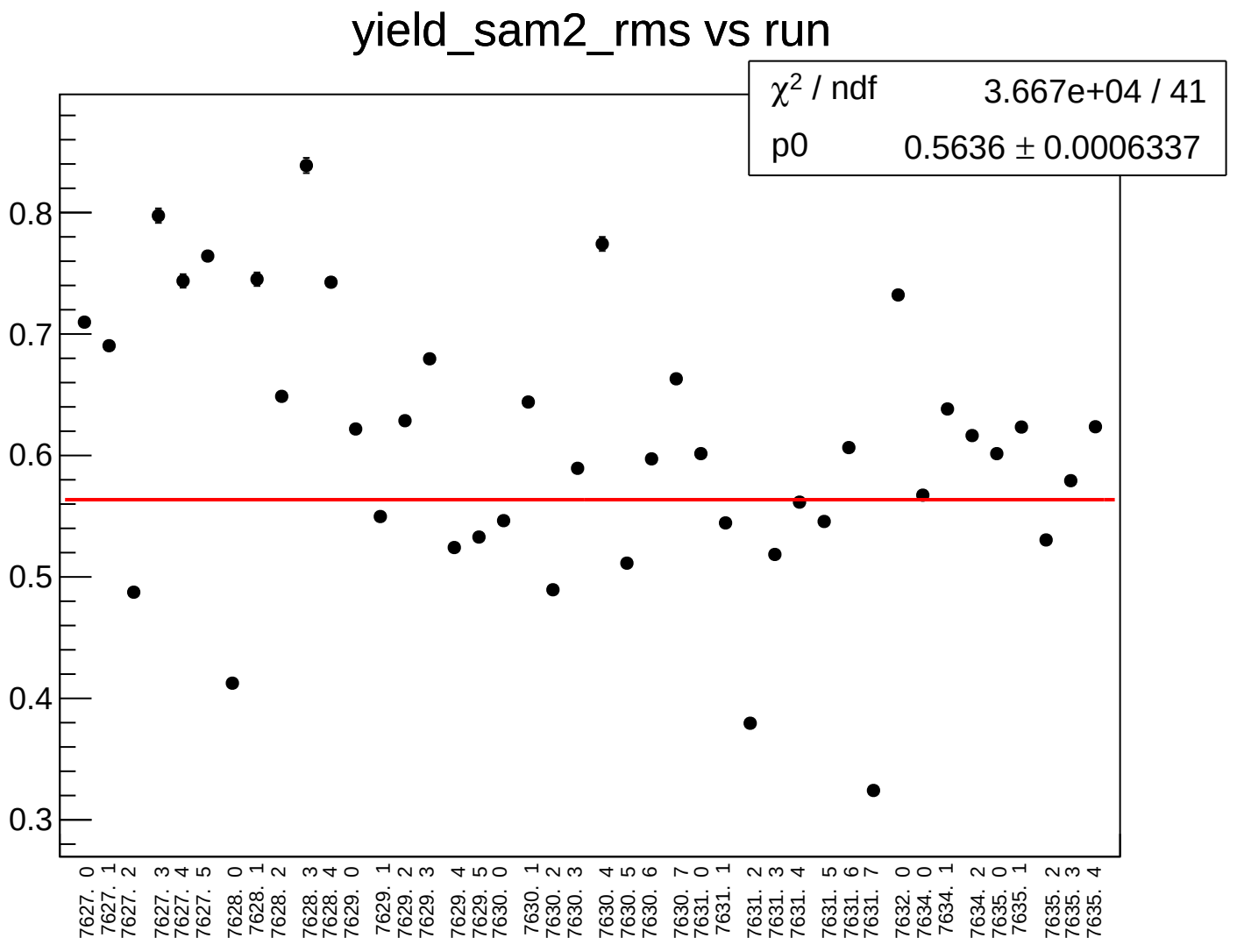

yield_sam1_mean vs run
χ² / ndf 1.107e+05 / 41
p0 15.46 ± 0.0001981
15.65
15.6
15.55
15.5
15.45
15.4
15.35
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −351.9
Std Dev 0
100
50
0
−50
−100

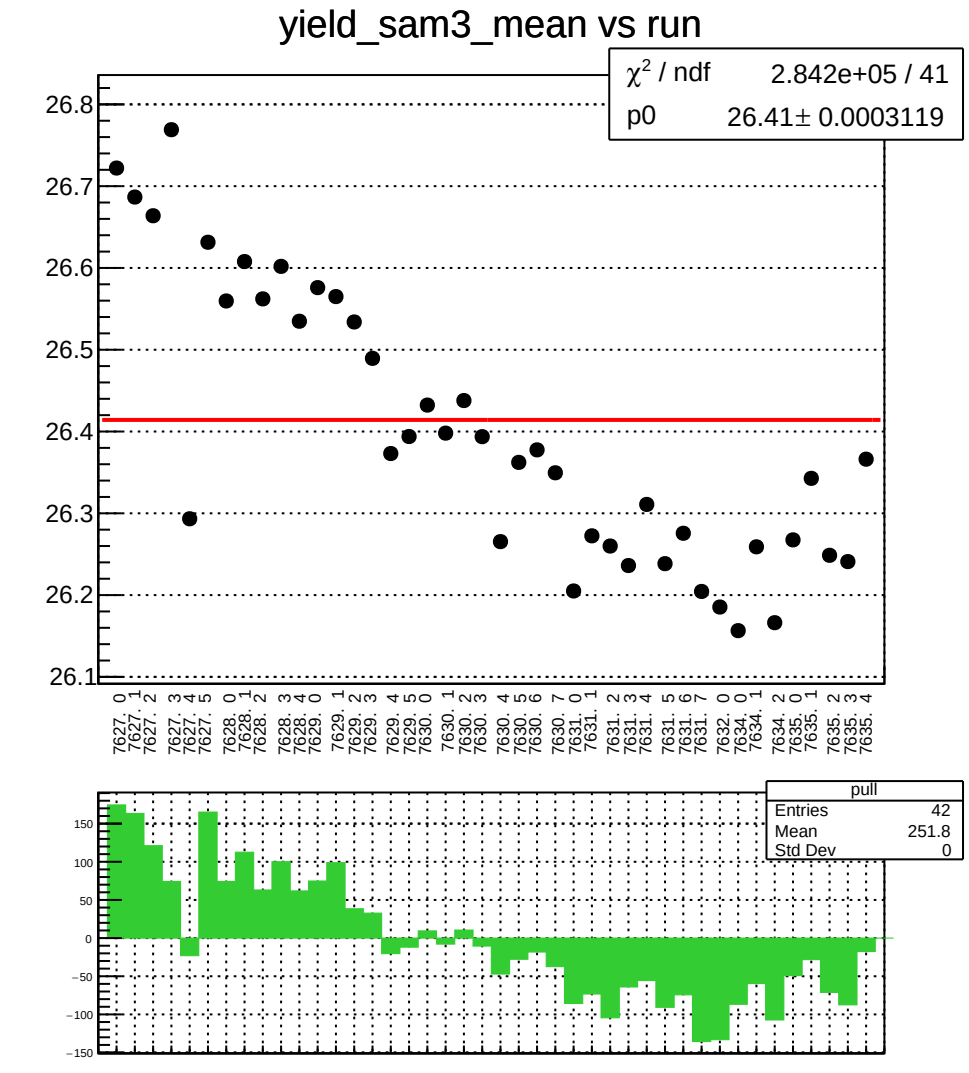

pull1D
Entries 42
Mean 0.6141
Std Dev 4.379
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

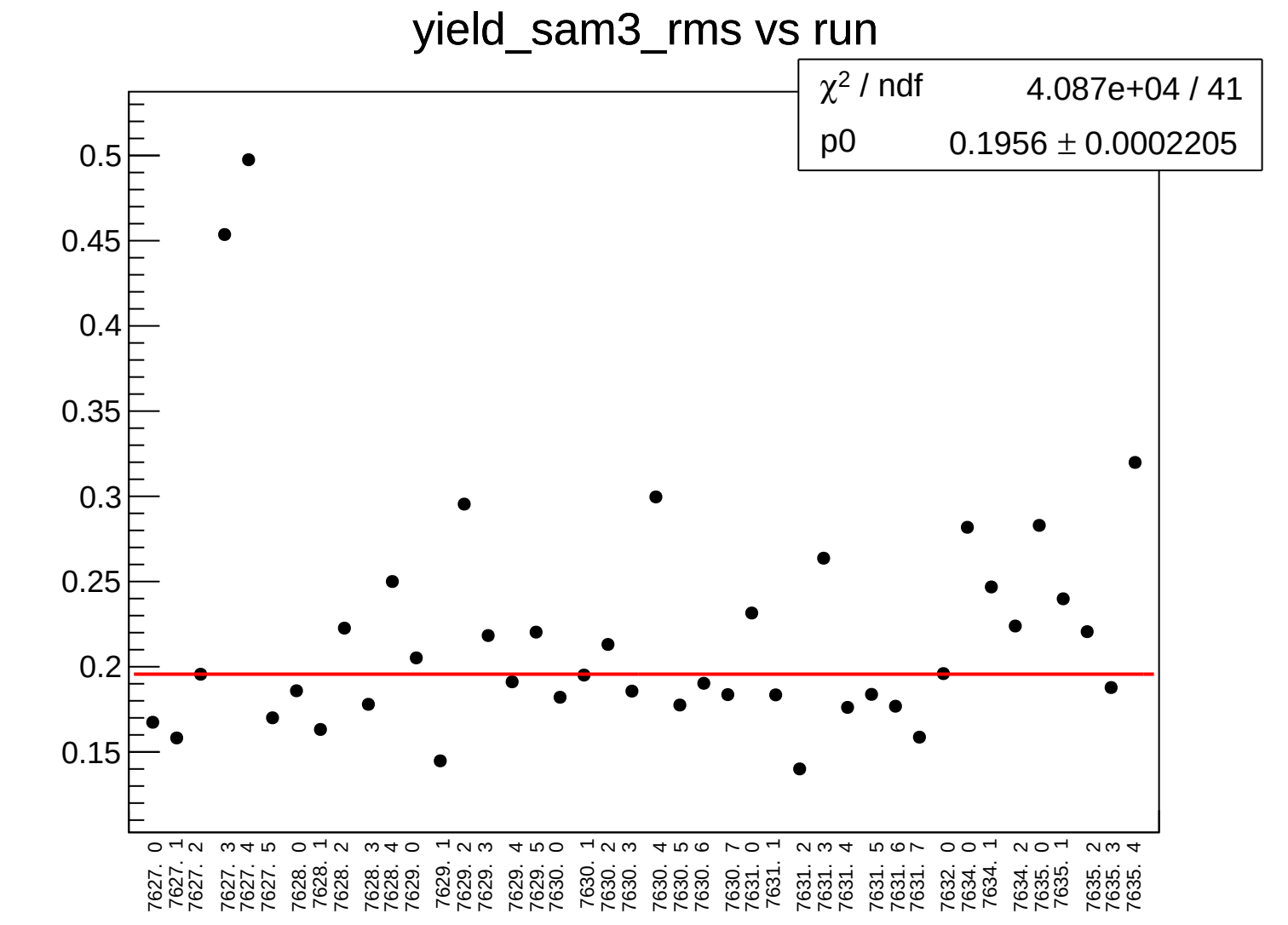

yield_sam1_rms vs run
χ² / ndf 5.158e+04 / 41
p0 0.1234 ± 0.0001401
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

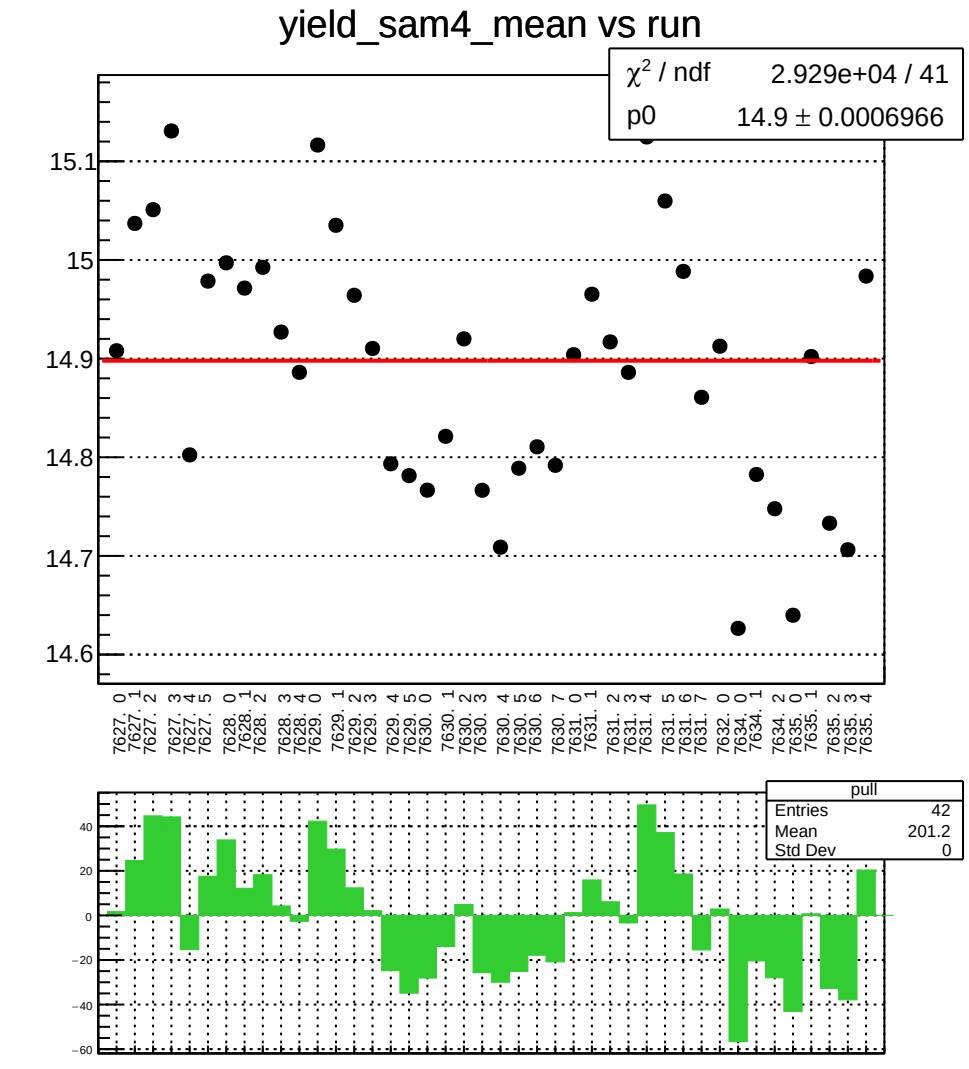

yield_sam2_mean vs run
χ² / ndf 3.222e+04 / 41
p0 25.05 ± 0.0008961
25.6
25.4
25.2
25
24.8
24.6
24.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1101
Std Dev 0
80
60
40
20
0
−20
−40
−60

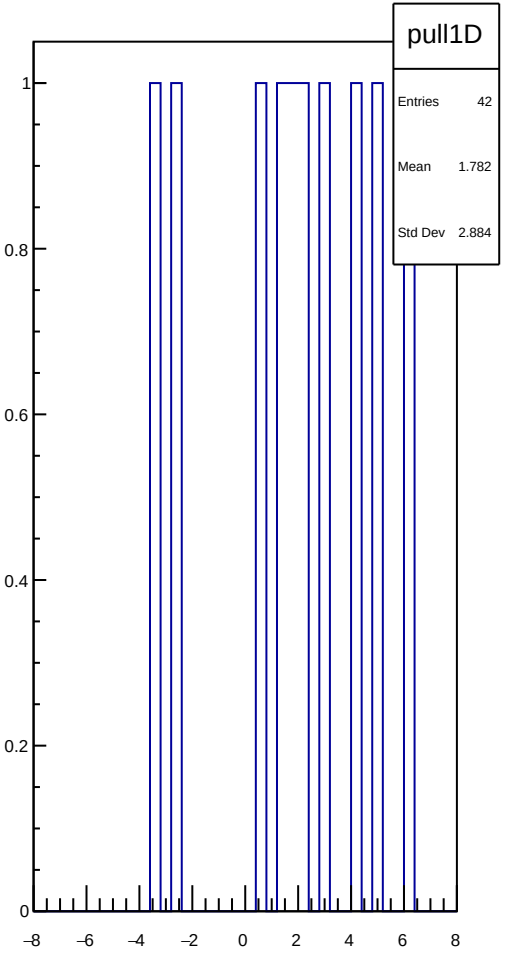

pull1D
Entries 42
Mean −0.3845
Std Dev 4.711
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

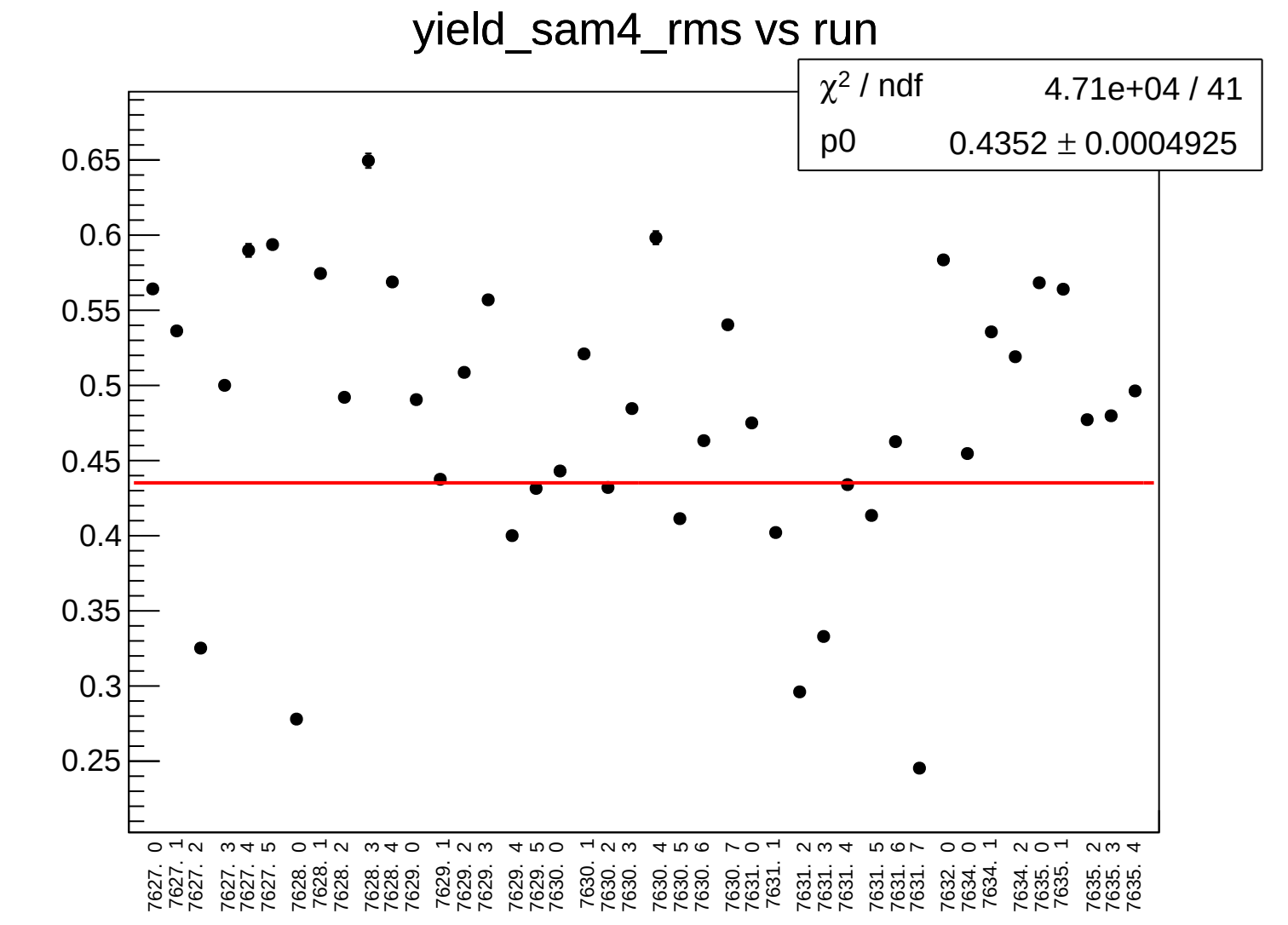

yield_sam2_rms vs run
χ² / ndf 3.667e+04 / 41
p0 0.5636 ± 0.0006337
0.8
0.7
0.6
0.5
0.4
0.3
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

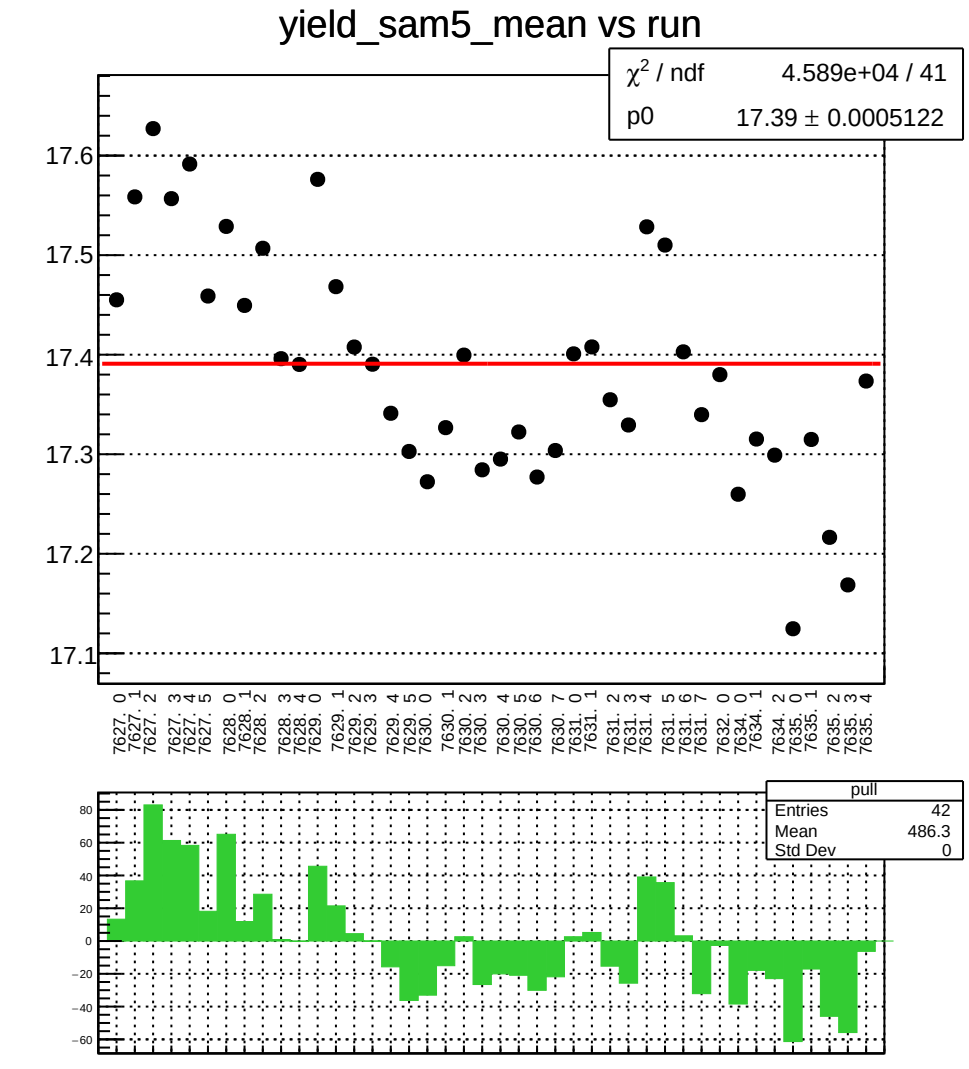

yield_sam3_mean vs run
χ² / ndf 2.842e+05 / 41
p0 26.41± 0.0003119
26.8
26.7
26.6
26.5
26.4
26.3
26.2
26.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 251.8
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 42
Mean −7.862
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

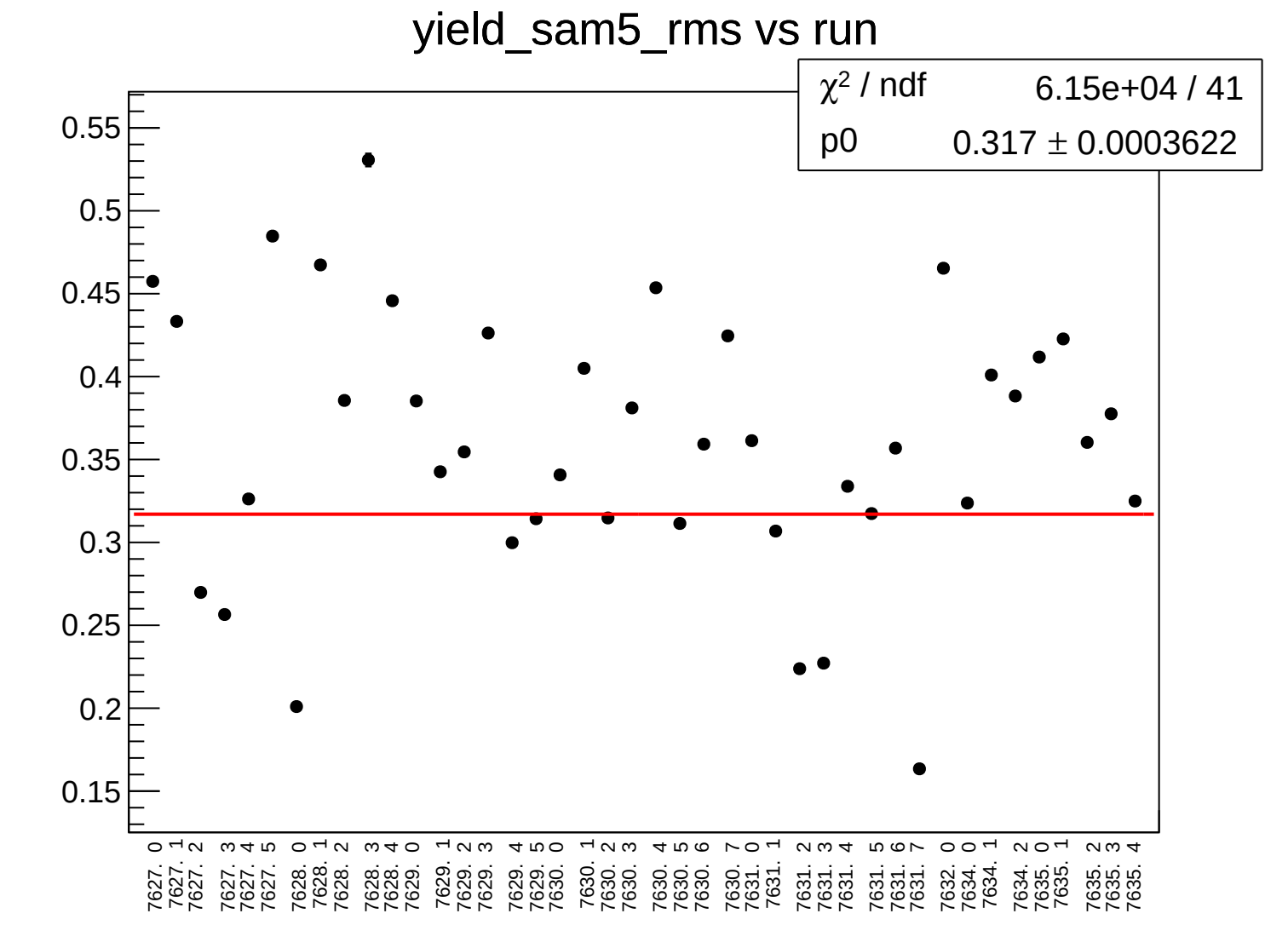

yield_sam3_rms vs run
χ² / ndf 4.087e+04 / 41
p0 0.1956 ± 0.0002205
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

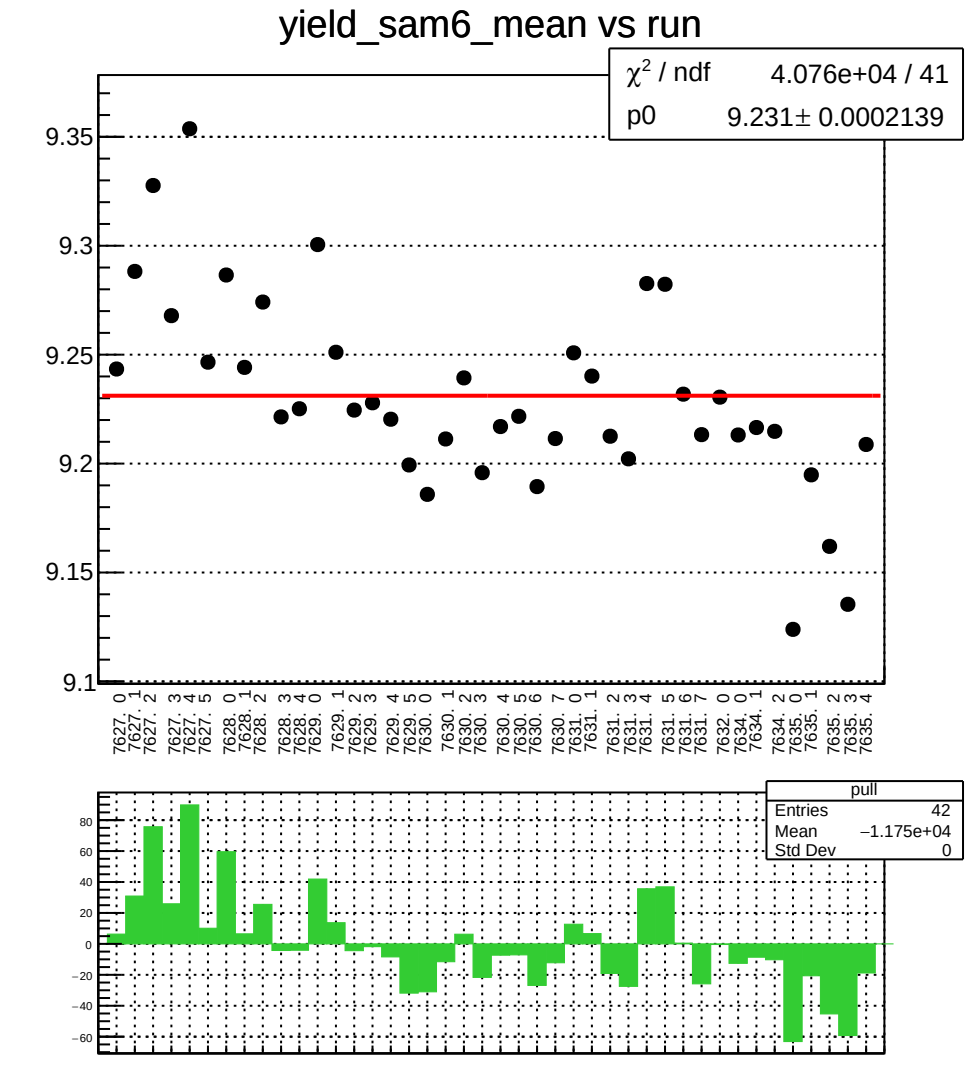

yield_sam4_mean vs run
χ² / ndf 2.929e+04 / 41
p0 14.9 ± 0.0006966
15.1
15
14.9
14.8
14.7
14.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 201.2
Std Dev 0
40
20
0
−20
−40
−60

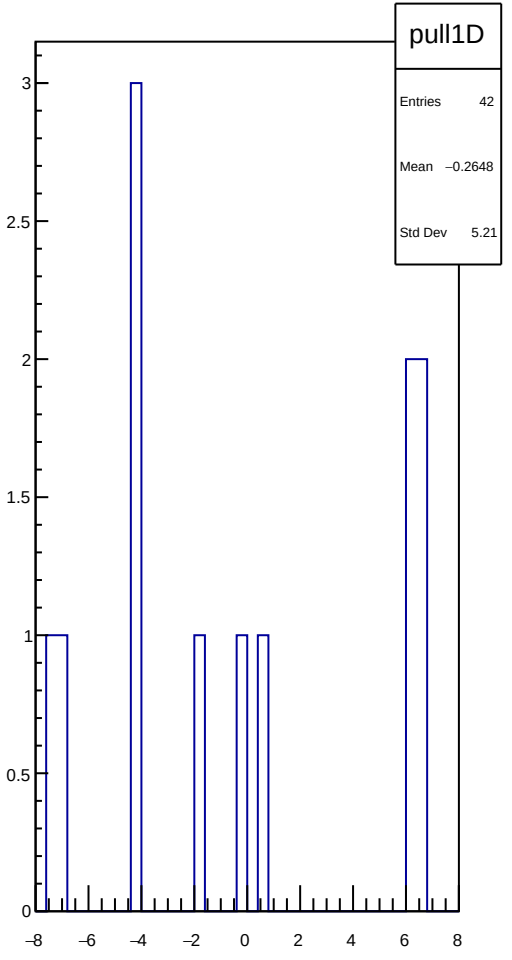

pull1D
Entries 42
Mean 1.782
Std Dev 2.884
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

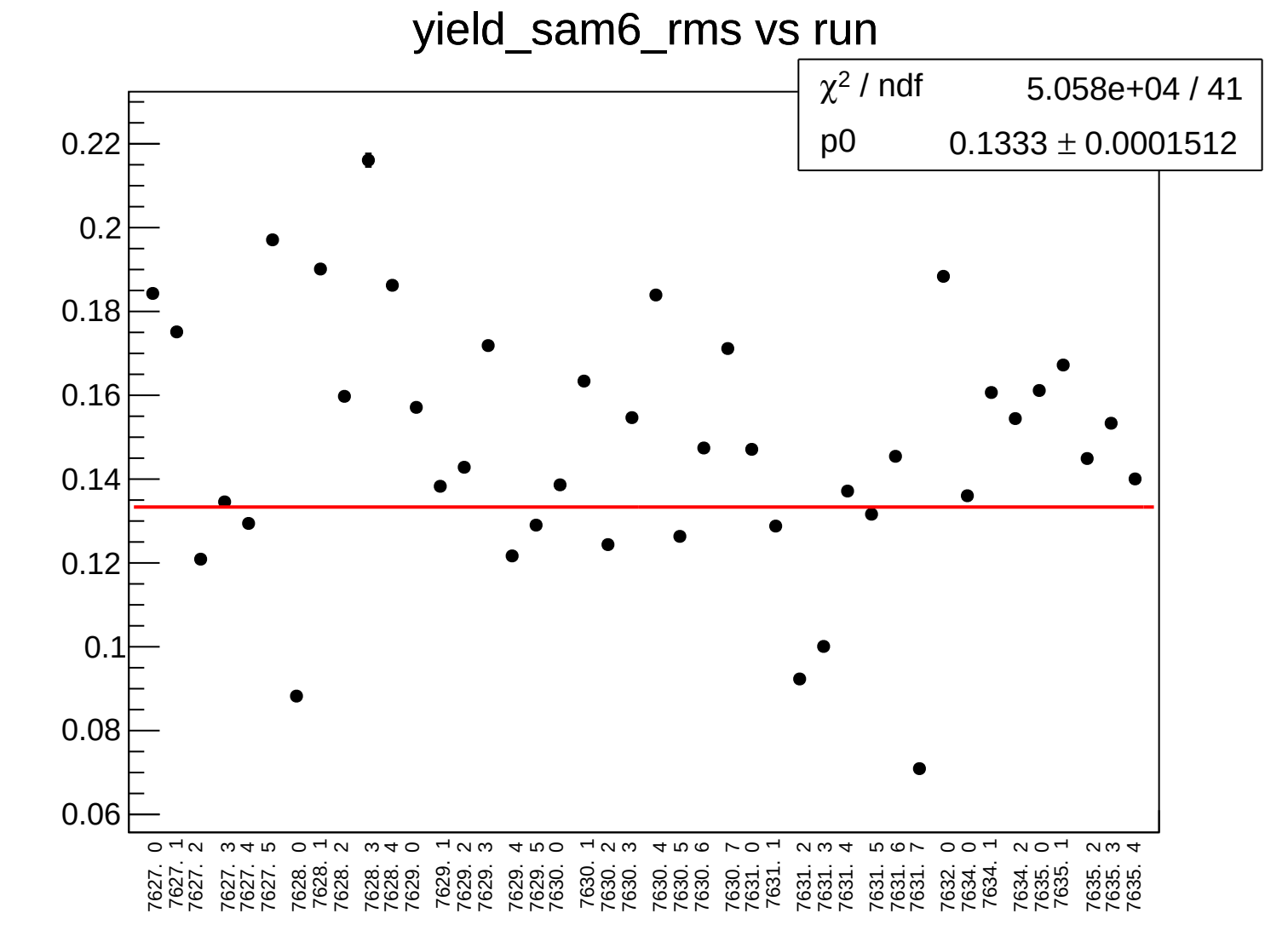

yield_sam4_rms vs run
χ² / ndf 4.71e+04 / 41
p0 0.4352 ± 0.0004925
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

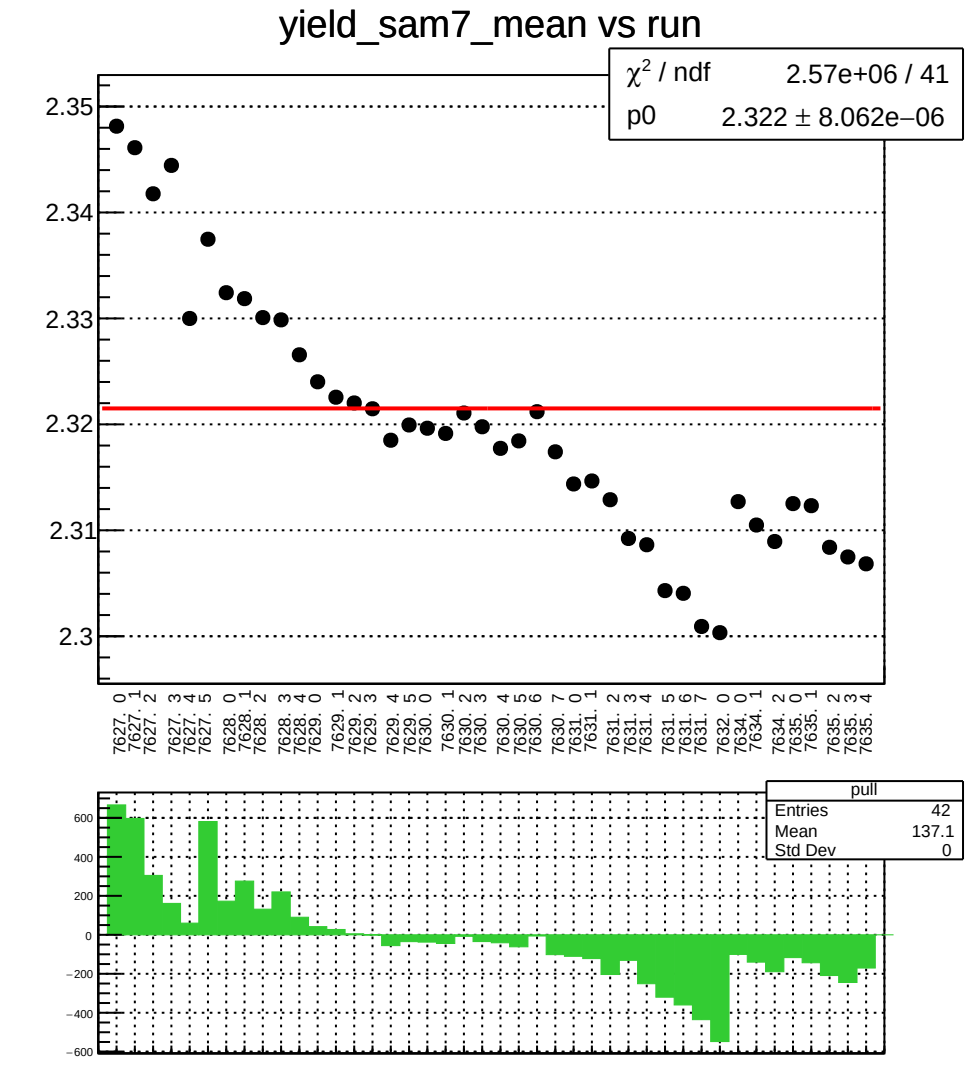

yield_sam5_mean vs run
χ² / ndf 4.589e+04 / 41
p0 17.39 ± 0.0005122
17.6
17.5
17.4
17.3
17.2
17.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 486.3
Std Dev 0
80
60
40
20
0
−20
−40
−60
pull1D
Entries 42
Mean 0.9694
Std Dev 3.308
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

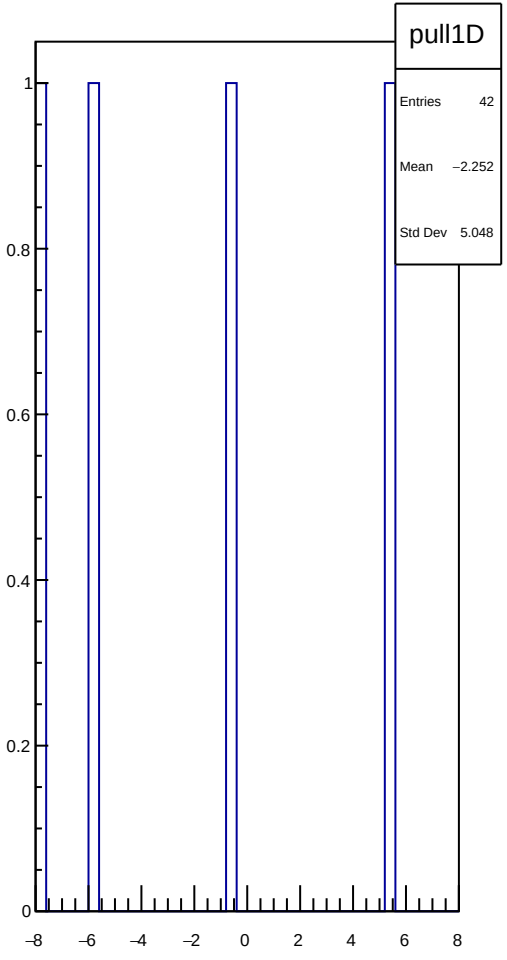

yield_sam5_rms vs run
χ² / ndf 6.15e+04 / 41
p0 0.317 ± 0.0003622
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

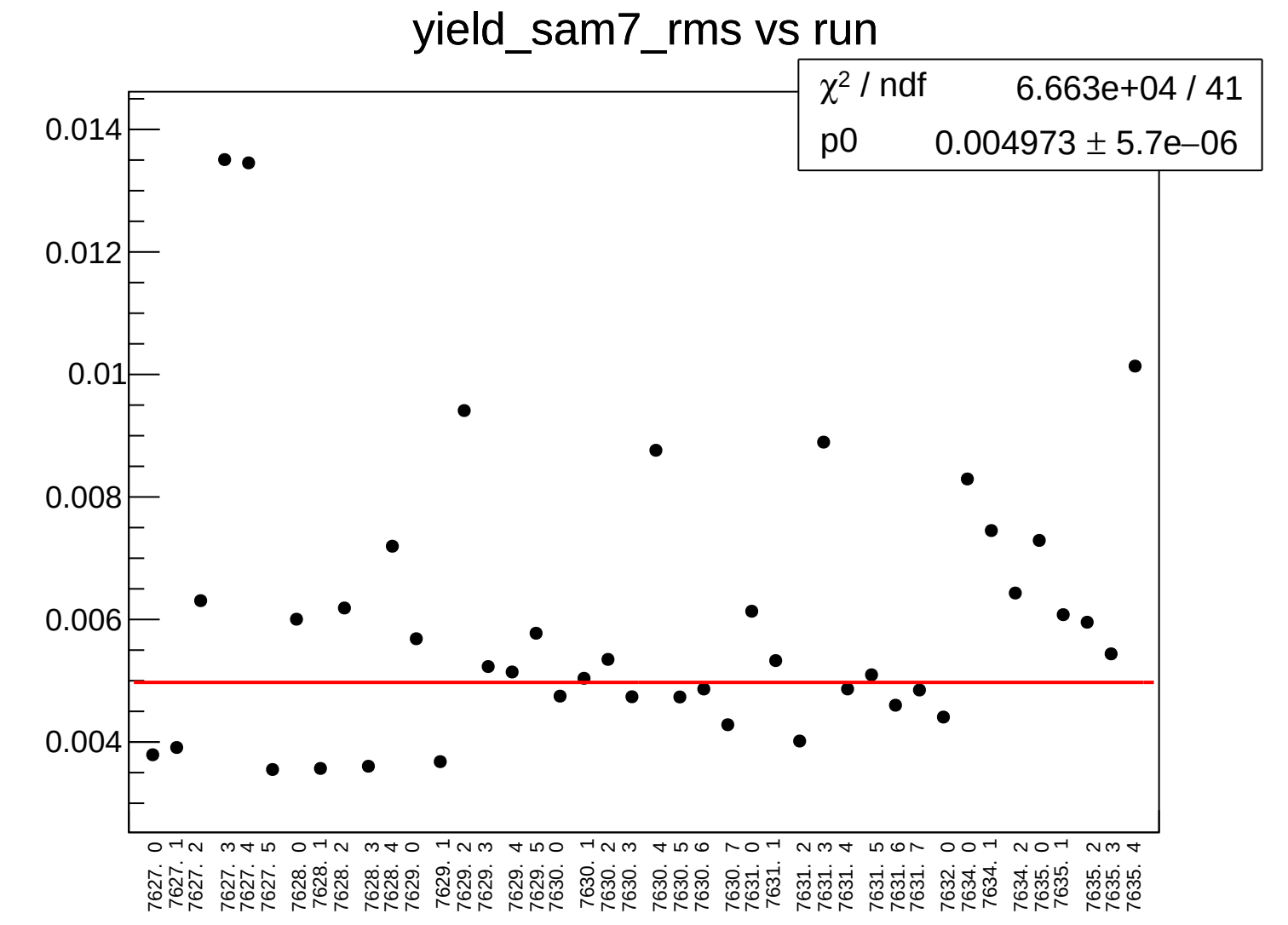

yield_sam6_mean vs run
χ² / ndf 4.076e+04 / 41
p0 9.231± 0.0002139
9.35
9.3
9.25
9.2
9.15
9.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.175e+04
Std Dev 0
80
60
40
20
0
−20
−40
−60

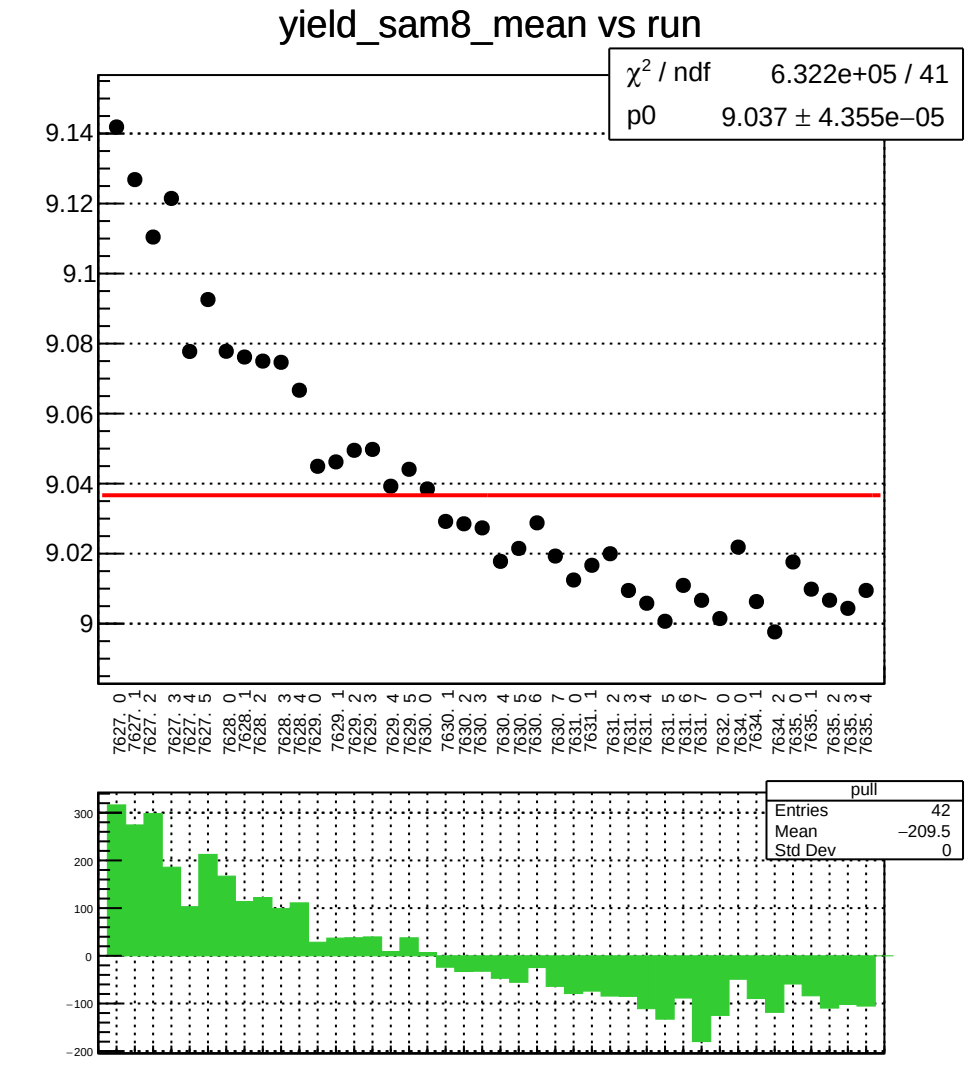

pull1D
Entries 42
Mean −0.2648
Std Dev 5.21
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

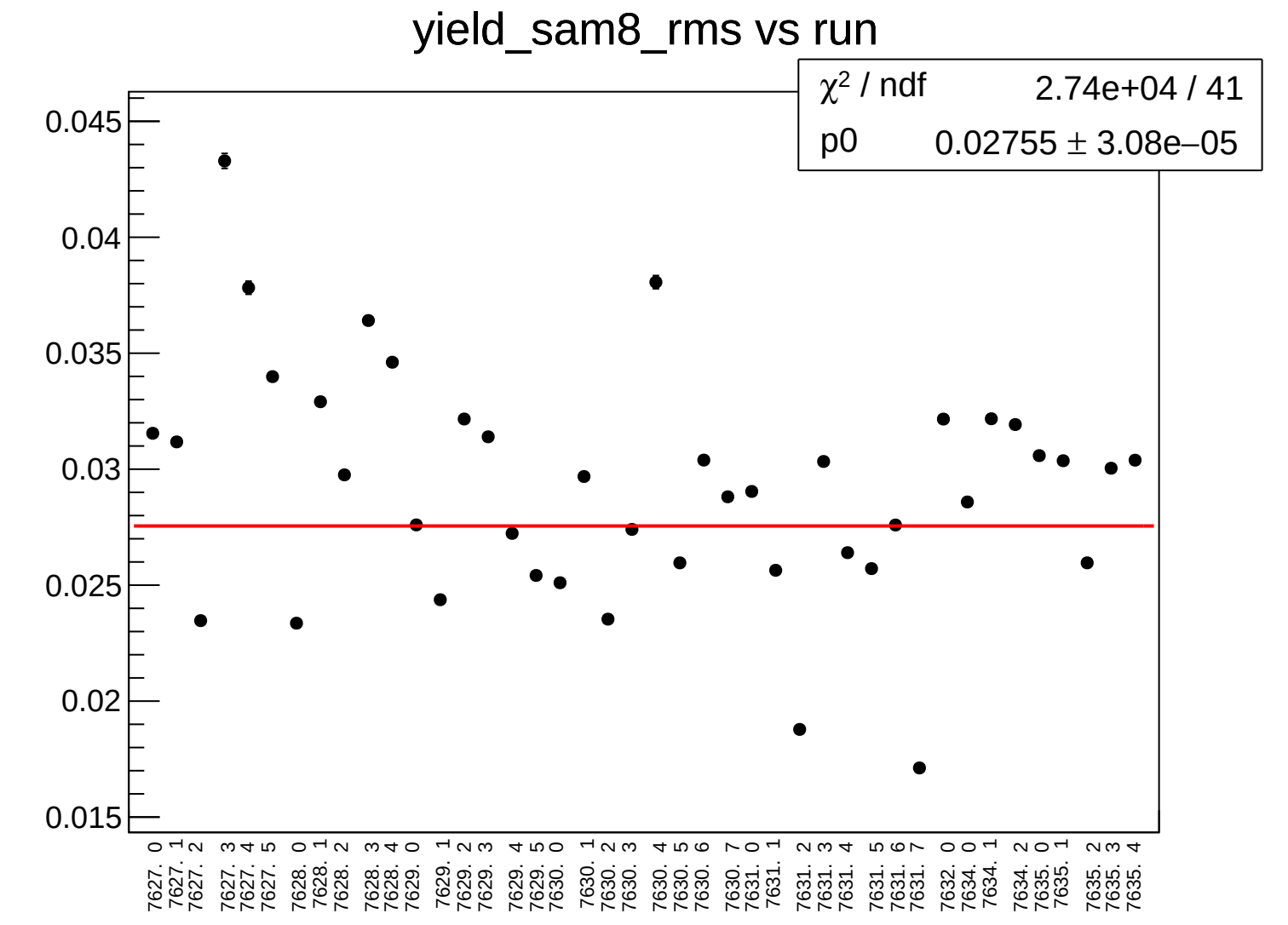

yield_sam6_rms vs run
χ² / ndf 5.058e+04 / 41
p0 0.1333 ± 0.0001512
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

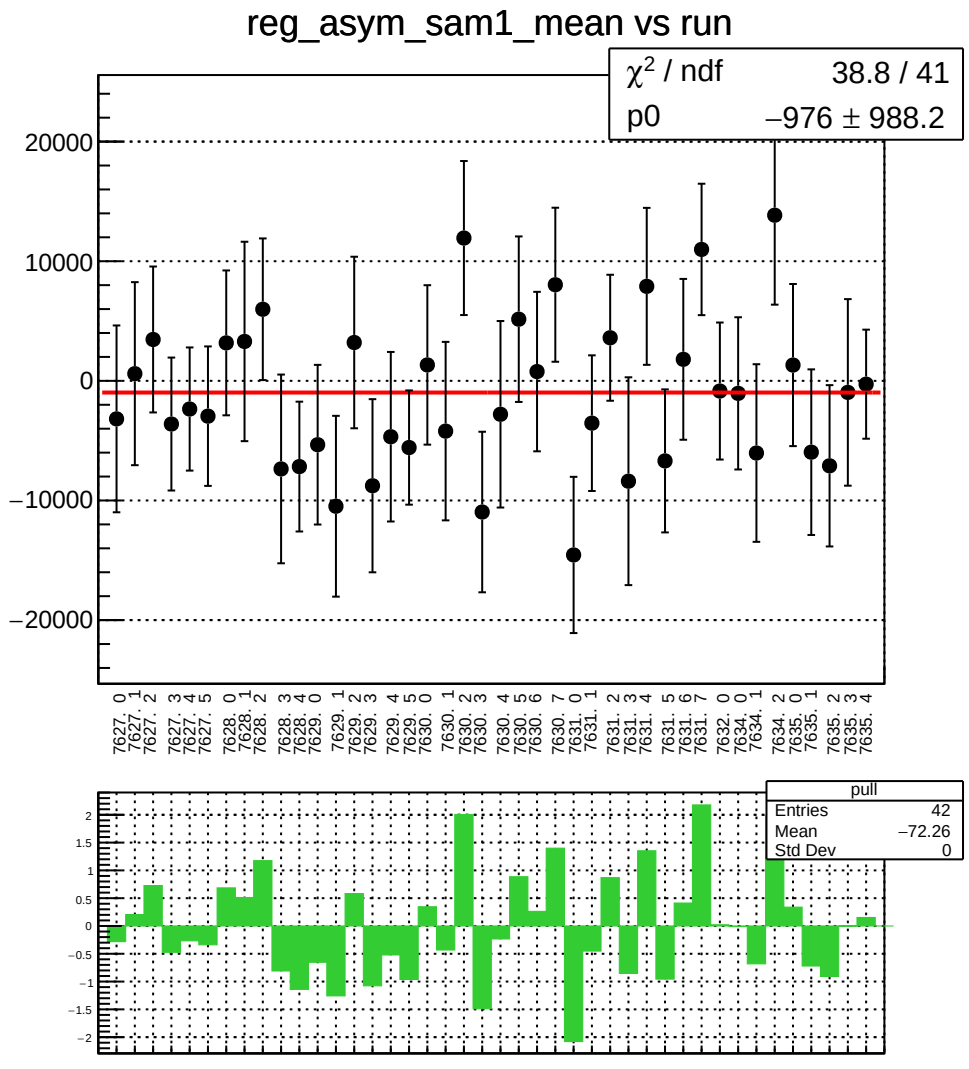

yield_sam7_mean vs run
χ² / ndf 2.57e+06 / 41
p0 2.322 ± 8.062e−06
2.35
2.34
2.33
2.32
2.31
2.3
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 137.1
Std Dev 0
600
400
200
0
−200
−400
−600

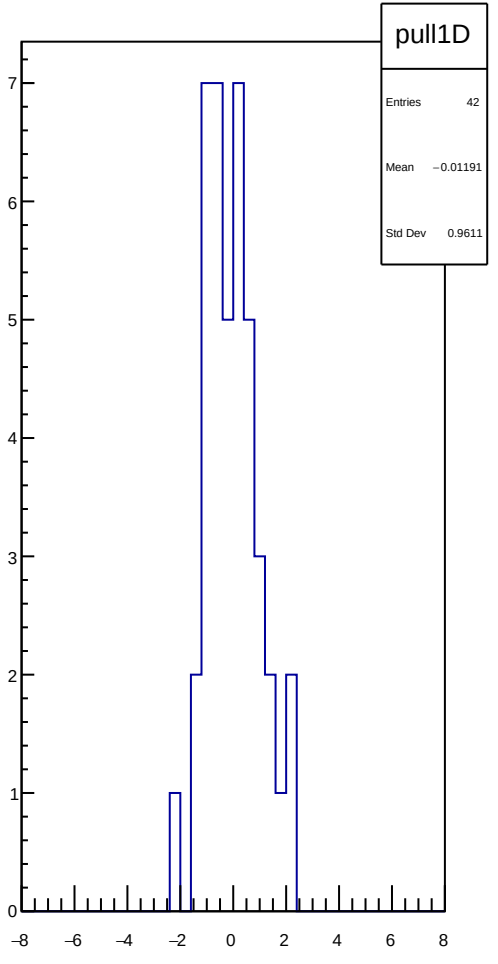

pull1D
Entries 42
Mean −2.252
Std Dev 5.048
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

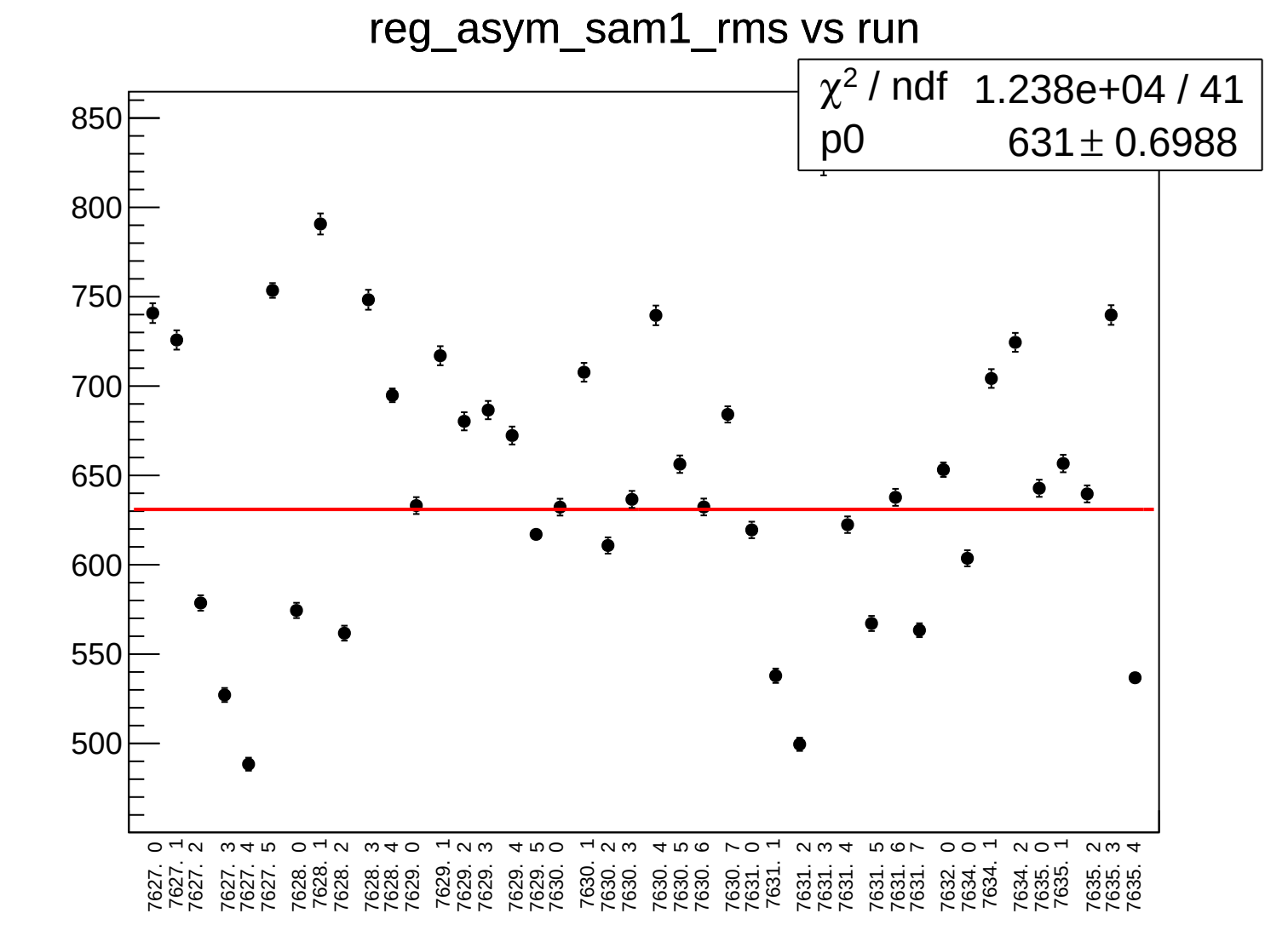

yield_sam7_rms vs run
χ² / ndf 6.663e+04 / 41
p0 0.004973 ± 5.7e−06
0.014
0.012
0.01
0.008
0.006
0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

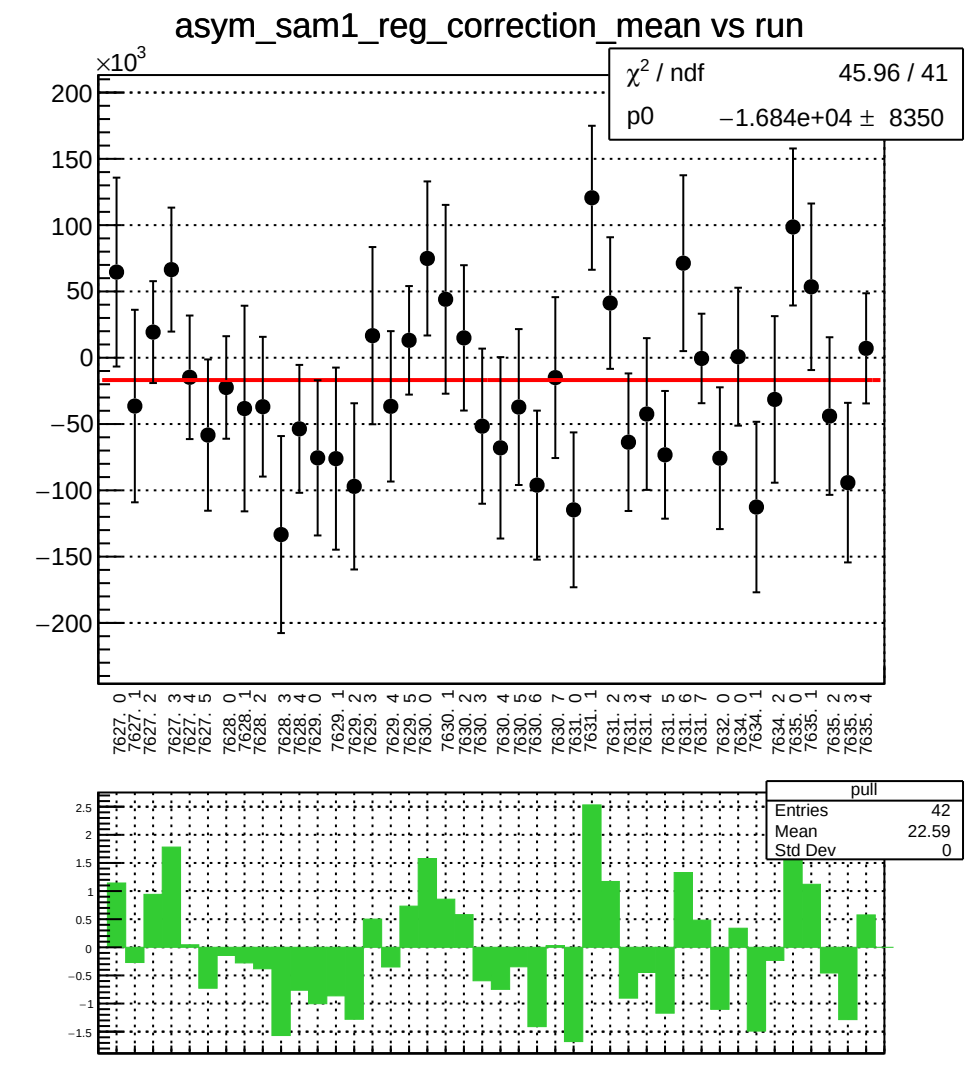

yield_sam8_mean vs run
χ² / ndf 6.322e+05 / 41
p0 9.037 ± 4.355e−05
9.14
9.12
9.1
9.08
9.06
9.04
9.02
9
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −209.5
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 42
Mean 6.848
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

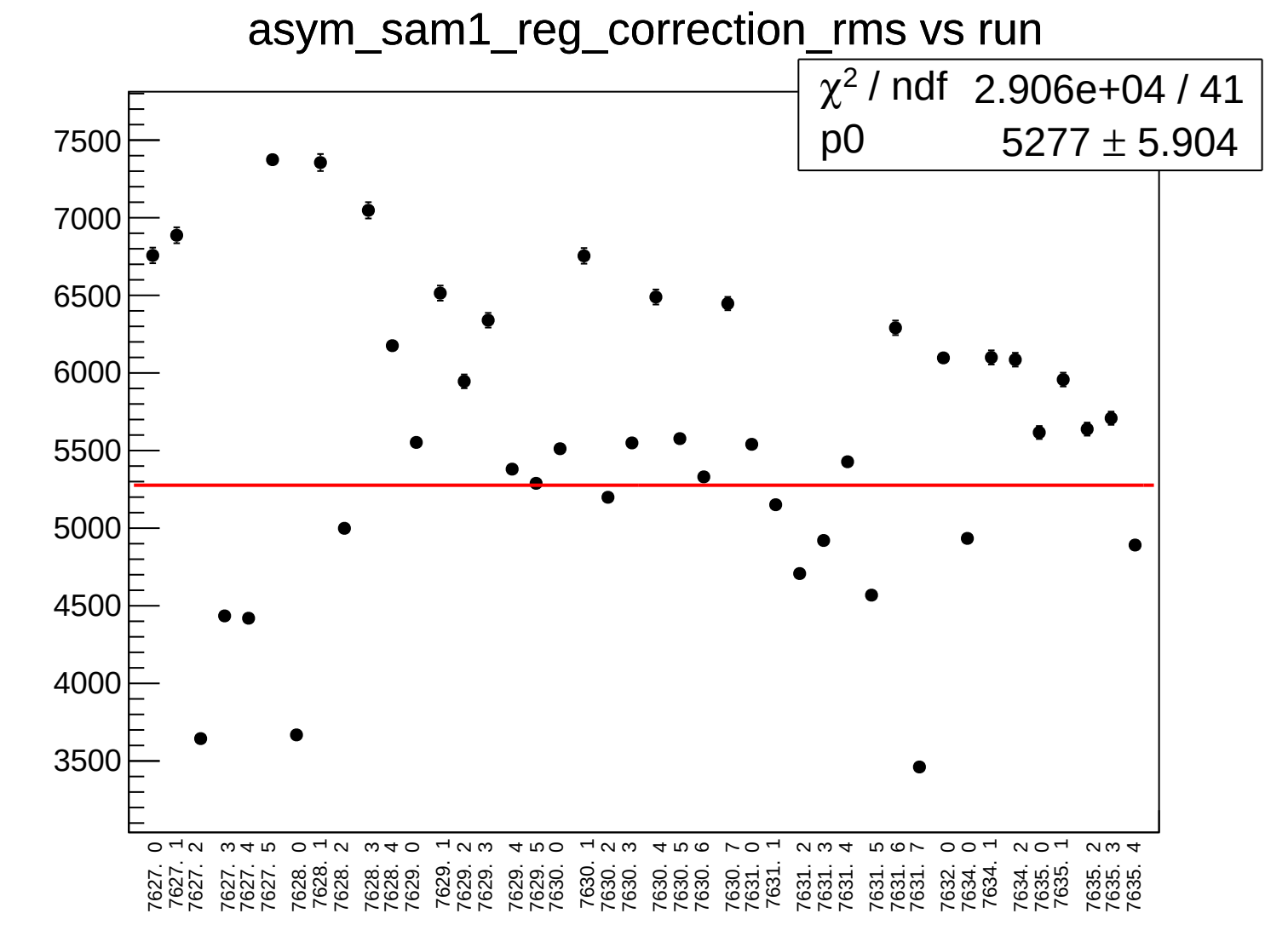

yield_sam8_rms vs run
χ² / ndf 2.74e+04 / 41
p0 0.02755 ± 3.08e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

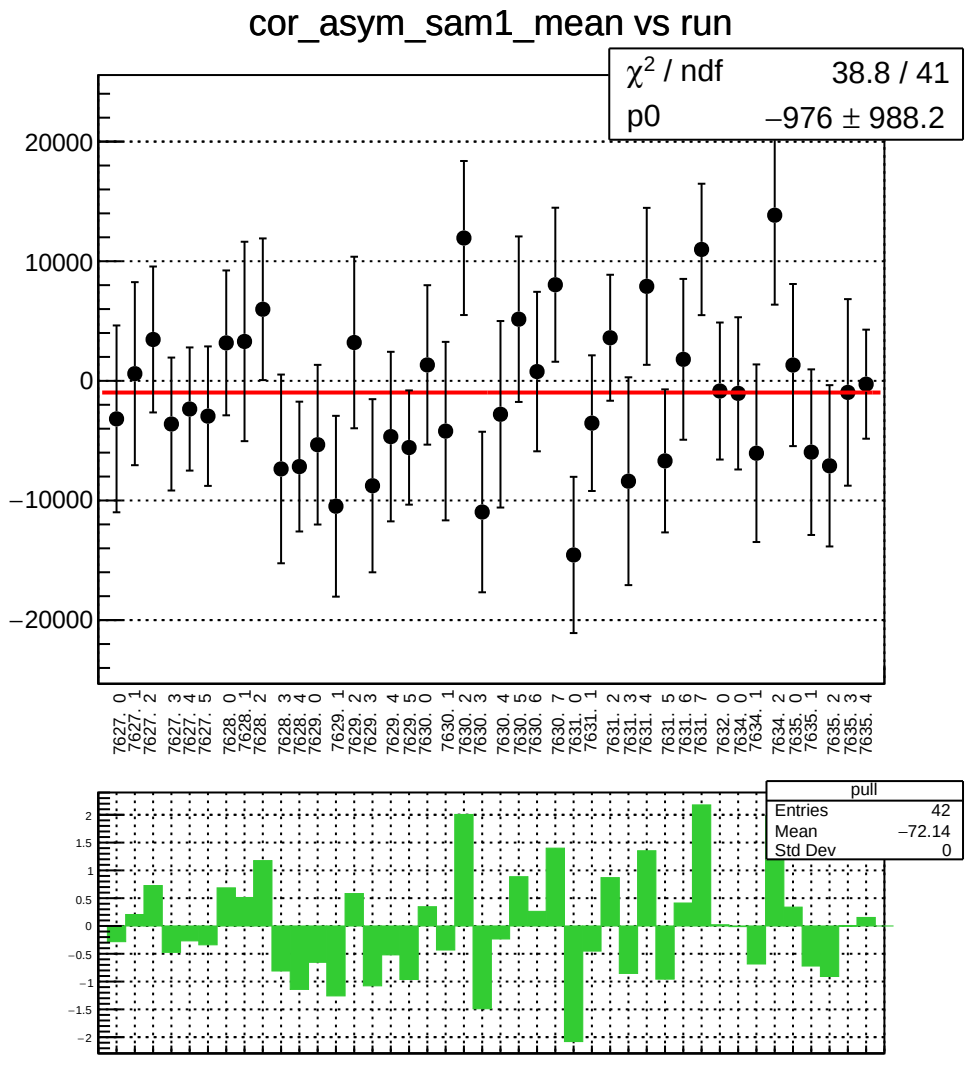

reg_asym_sam1_mean vs run
χ² / ndf 38.8 / 41
p0 −976 ± 988.2
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −72.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

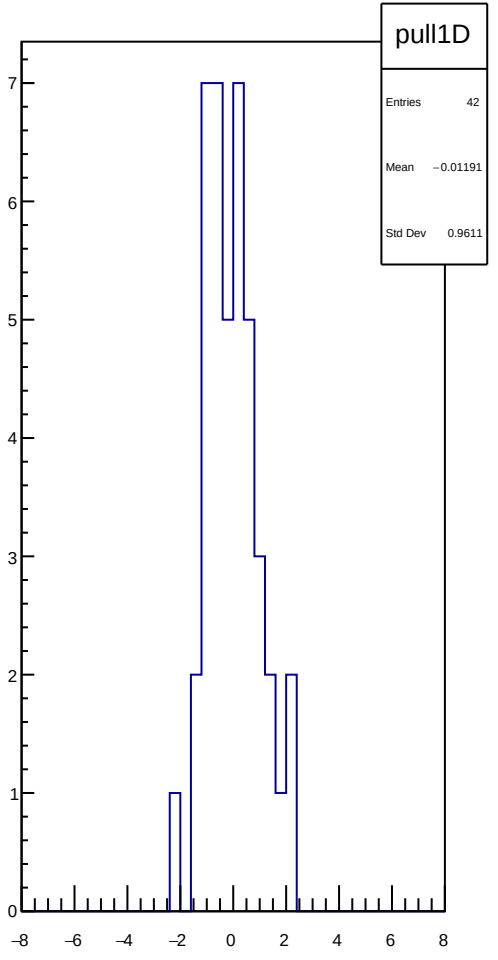

pull1D
Entries 42
Mean −0.01191
Std Dev 0.9611
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

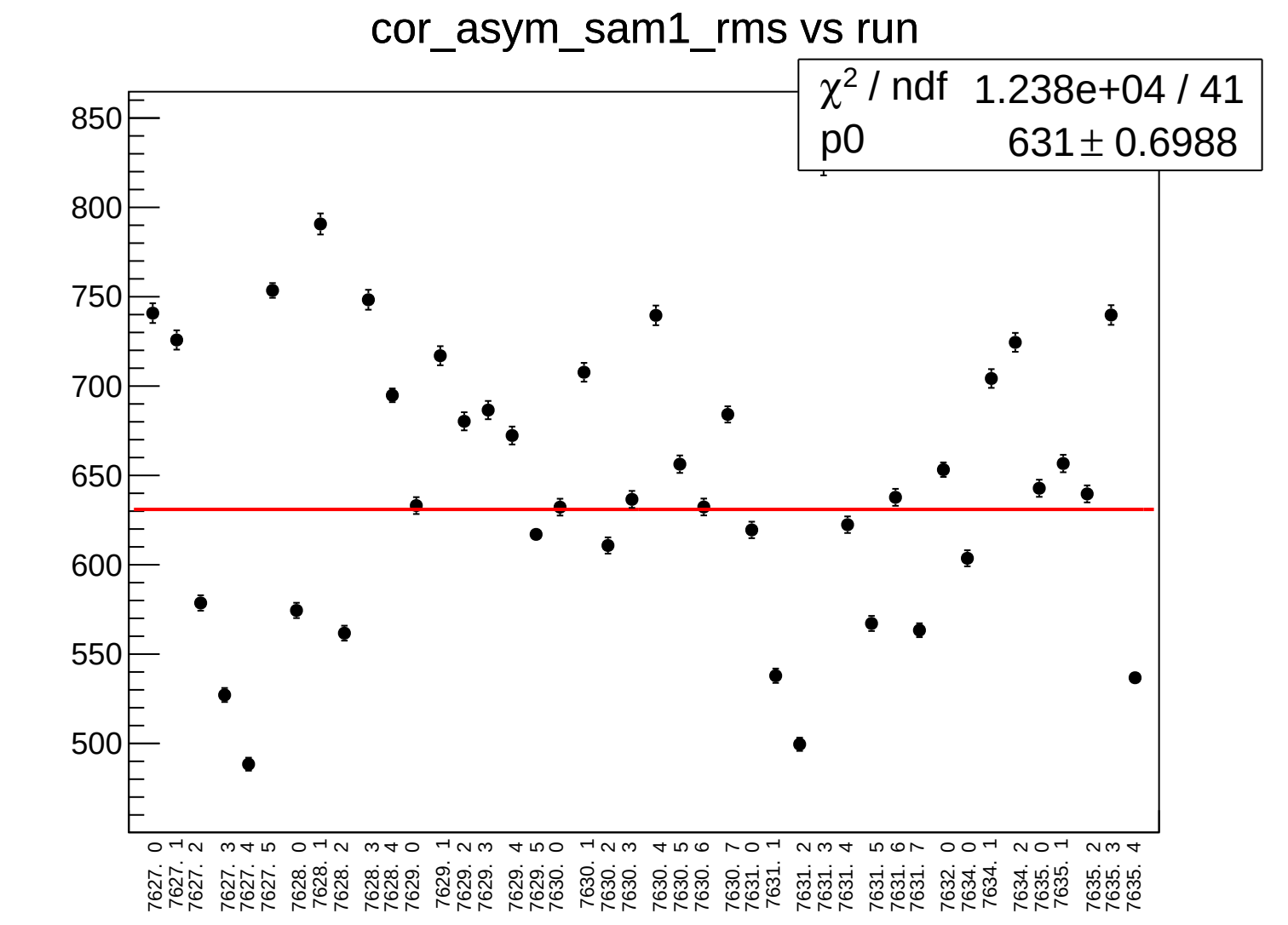

reg_asym_sam1_rms vs run
χ² / ndf 1.238e+04 / 41
p0 631 ± 0.6988
850
800
750
700
650
600
550
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam1_reg_correction_mean vs run
×10^3
χ² / ndf 45.96 / 41
p0 −1.684e+04 ± 8350
200
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.59
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.04278
Std Dev 1.045
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_reg_correction_rms vs run
χ² / ndf 2.906e+04 / 41
p0 5277 ± 5.904
7500
7000
6500
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_sam1_mean vs run
χ² / ndf 38.8 / 41
p0 −976 ± 988.2
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −72.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.01191
Std Dev 0.9611
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam1_rms vs run
χ² / ndf 1.238e+04 / 41
p0 631 ± 0.6988
850
800
750
700
650
600
550
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
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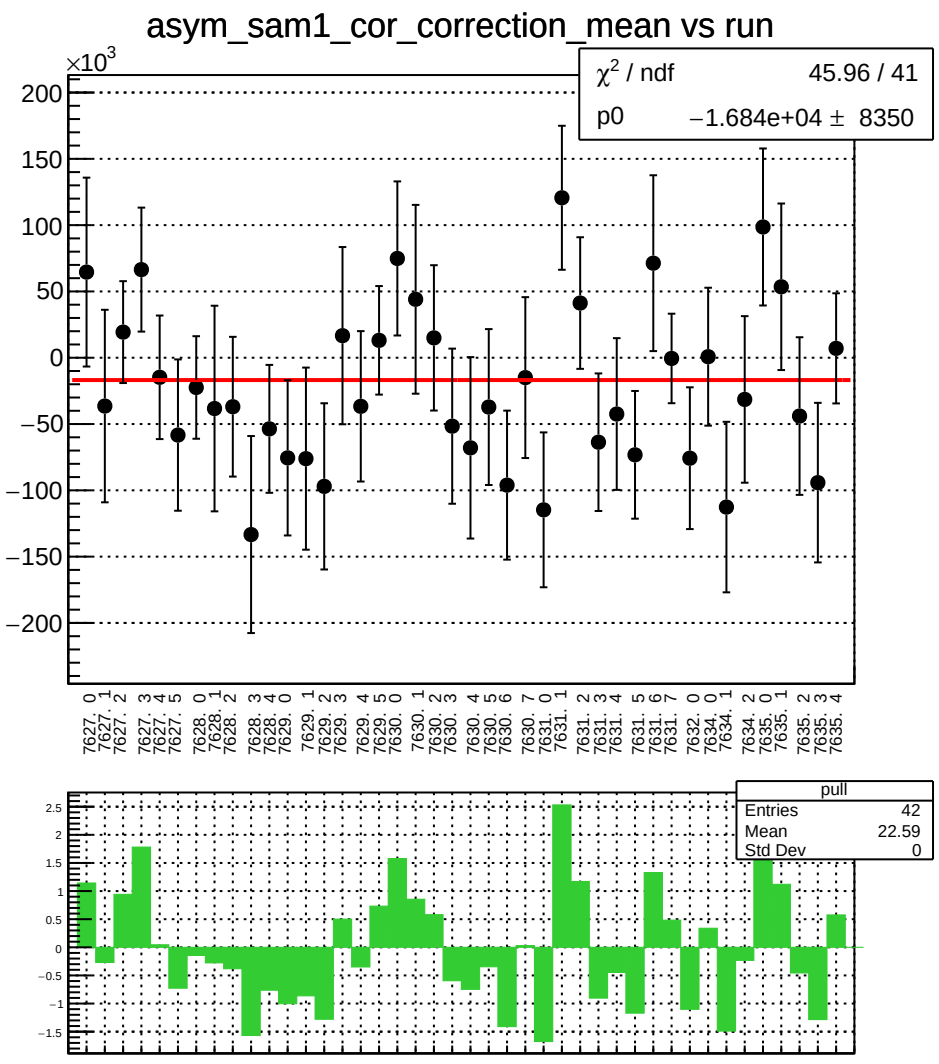
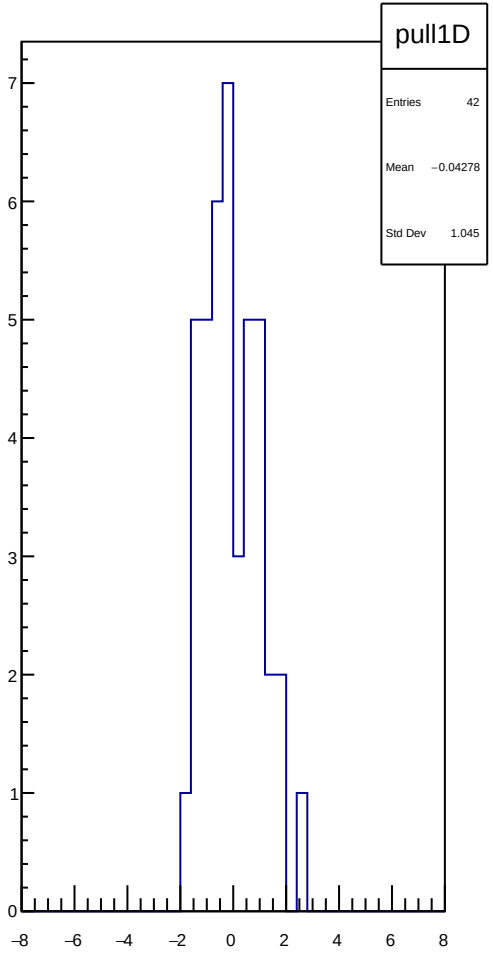
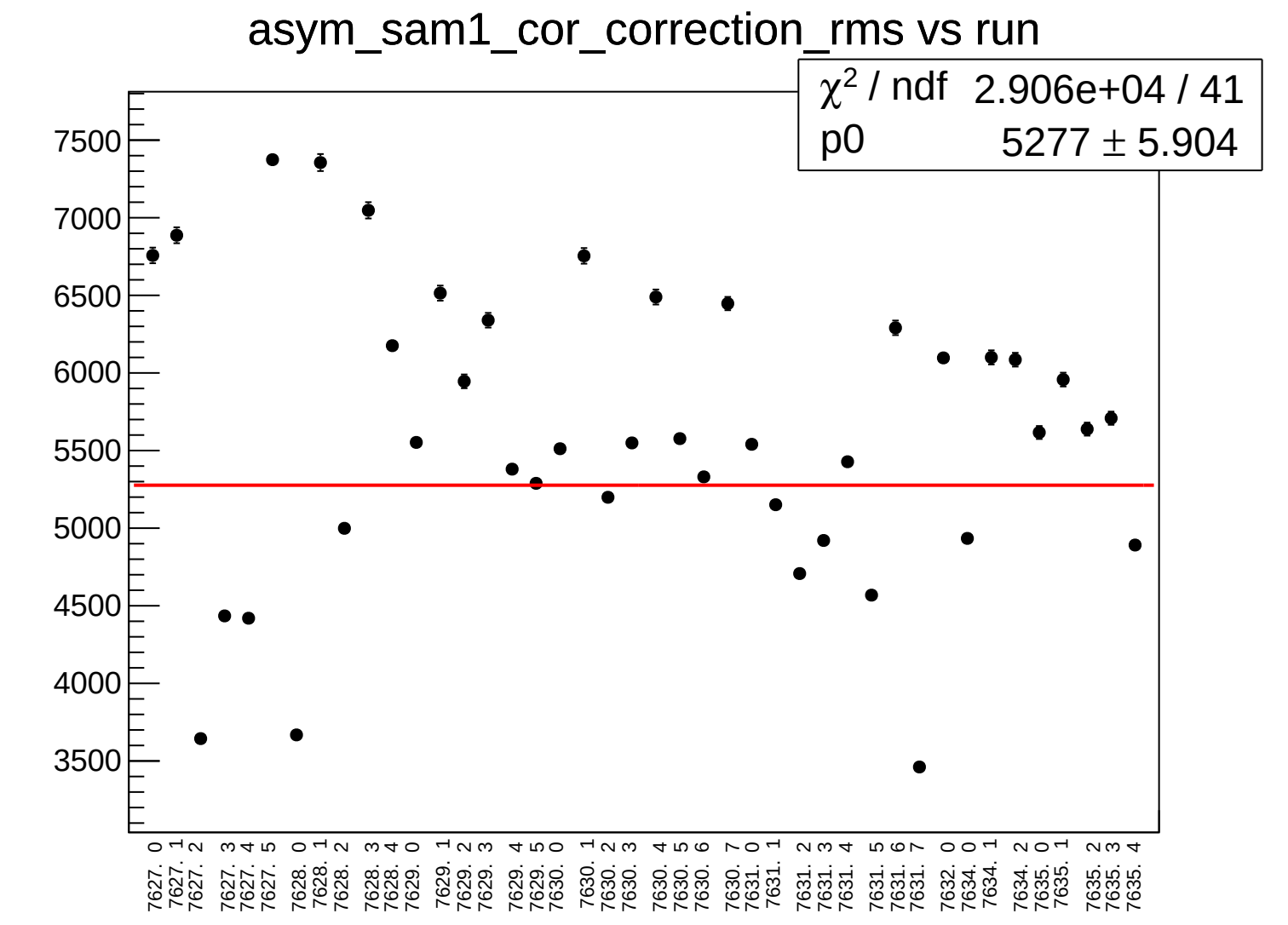
7635. 3
7635. 4


asym_sam1_cor_correction_mean vs run
×10^3
χ² / ndf 45.96 / 41
p0 −1.684e+04 ± 8350
200
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.59
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.04278
Std Dev 1.045
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_cor_correction_rms vs run
χ² / ndf 2.906e+04 / 41
p0 5277 ± 5.904
7500
7000
6500
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
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7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
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7631. 5
7631. 6
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7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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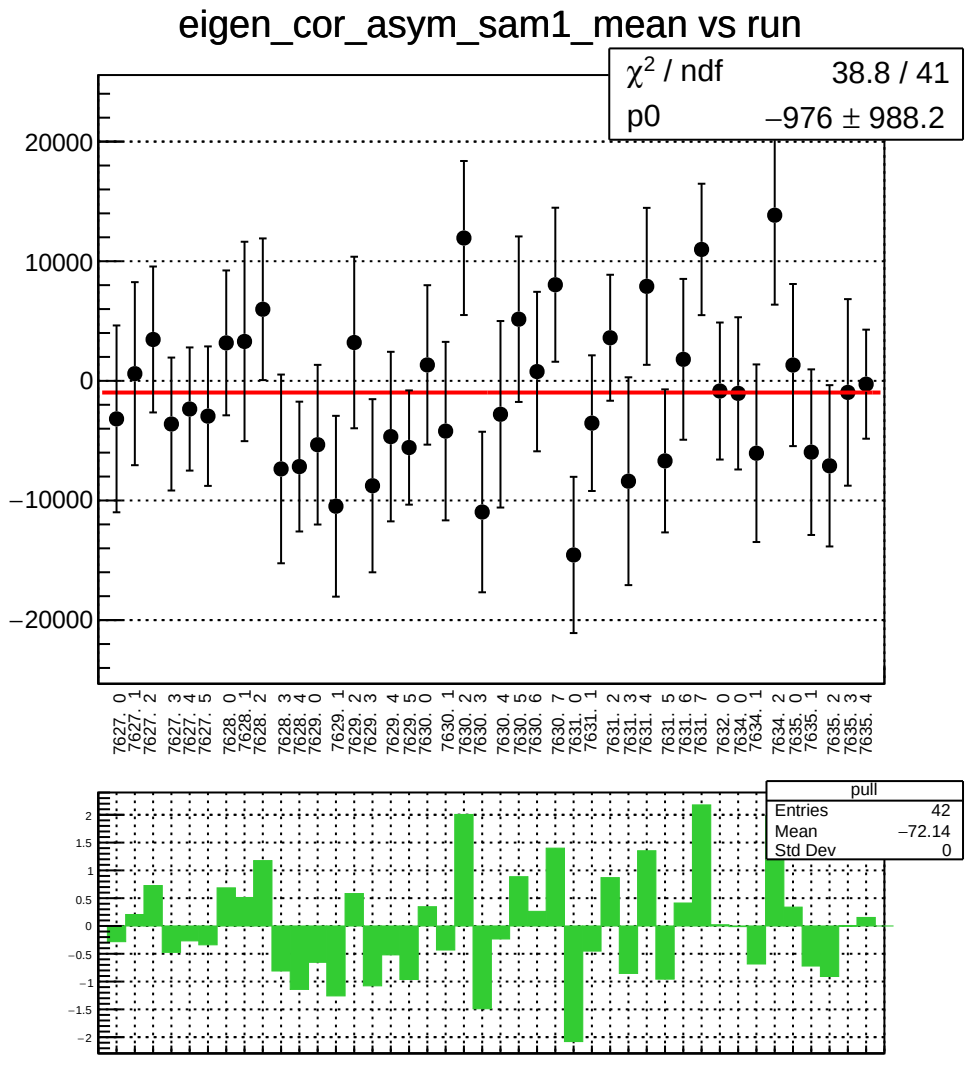
7635. 3
7635. 4


eigen_cor_asym_sam1_mean vs run
χ² / ndf 38.8 / 41
p0 −976 ± 988.2
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
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7631. 2
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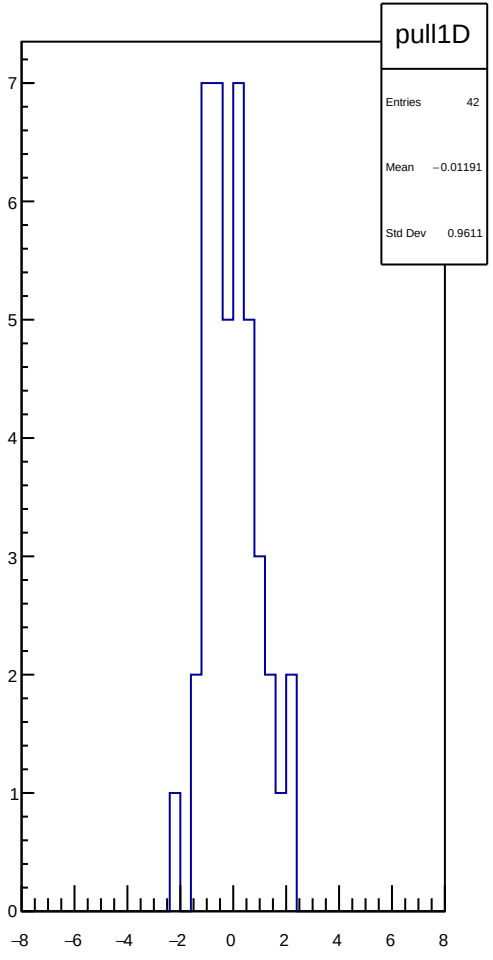
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −72.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.01191
Std Dev 0.9611
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4
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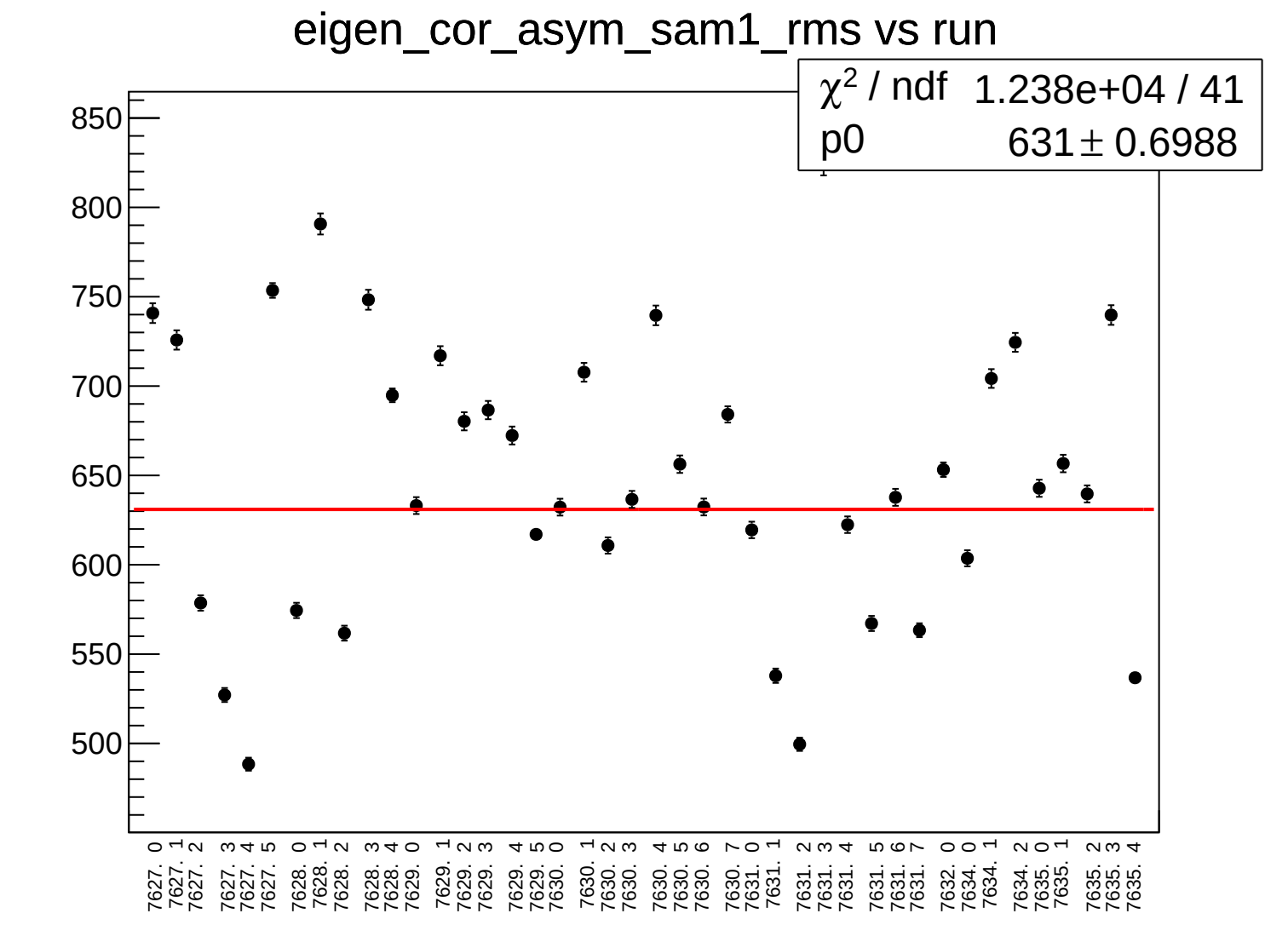
2
4
6
8


eigen_cor_asym_sam1_rms vs run
χ² / ndf 1.238e+04 / 41
p0 631 ± 0.6988
850
800
750
700
650
600
550
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
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7630. 2
7630. 3
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
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7631. 5
7631. 6
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7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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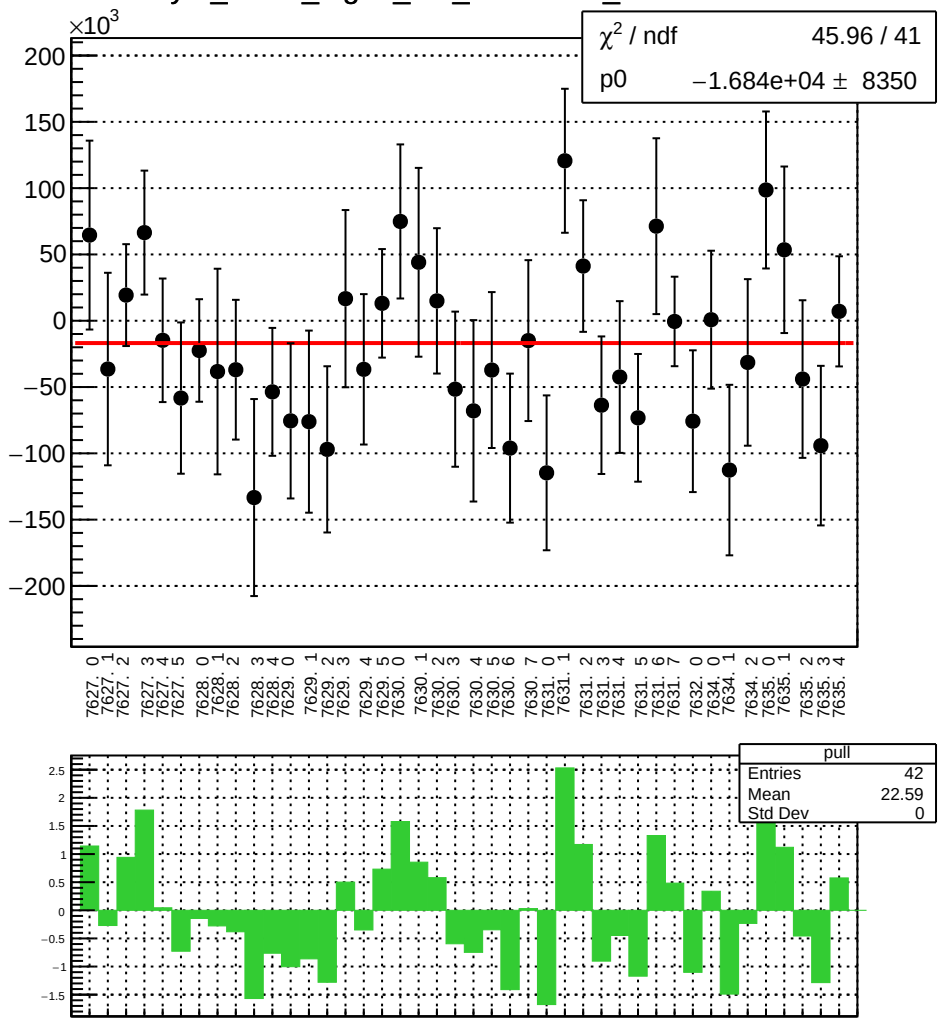
7635. 4


asym_sam1_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 45.96 / 41
p0 −1.684e+04 ± 8350
200
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
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7628. 1
7628. 2
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7630. 0
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7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
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7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.59
Std Dev 0
2.5
2
1.5
1
0.5
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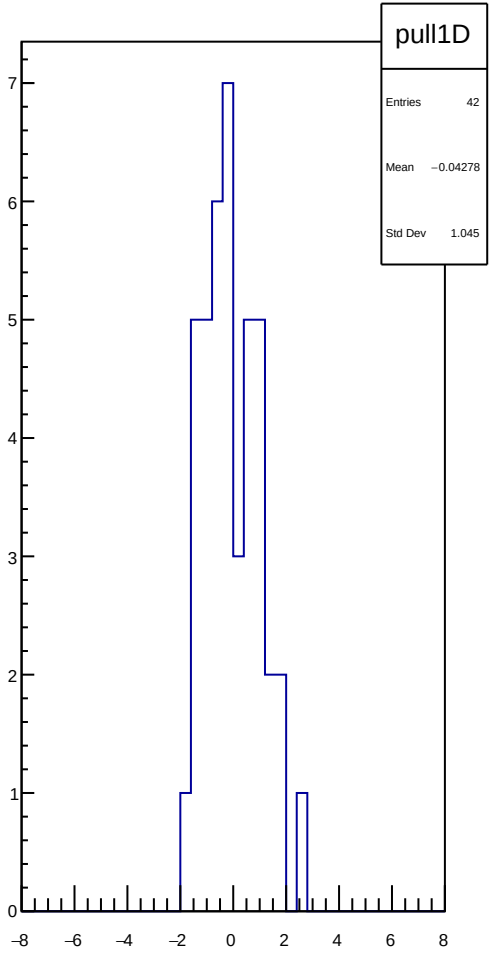
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.04278
Std Dev 1.045
7
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4
3
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−8
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−4
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2
4
6
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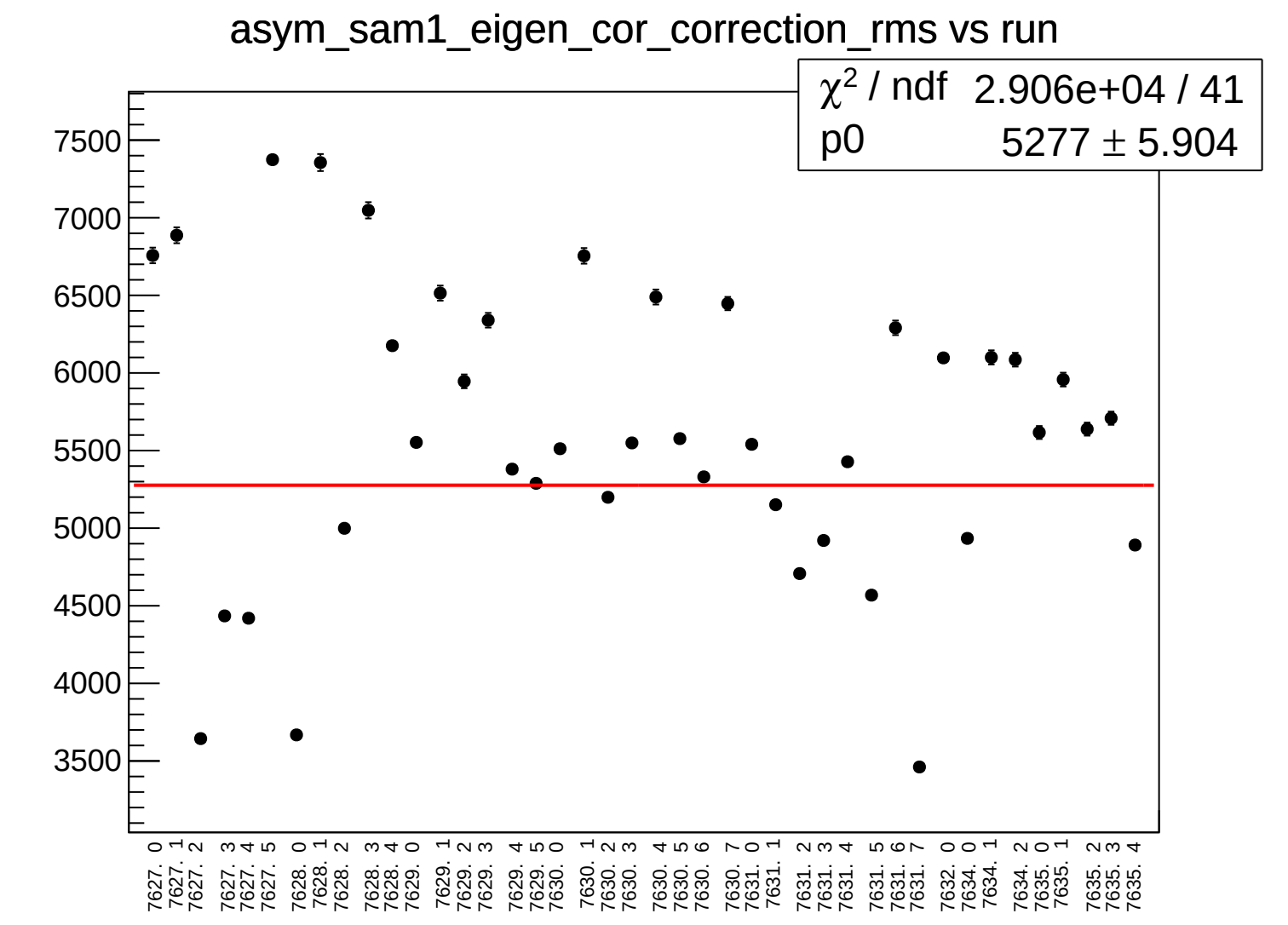
asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 2.906e+04 / 41
p0 5277 ± 5.904
7500
7000
6500
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
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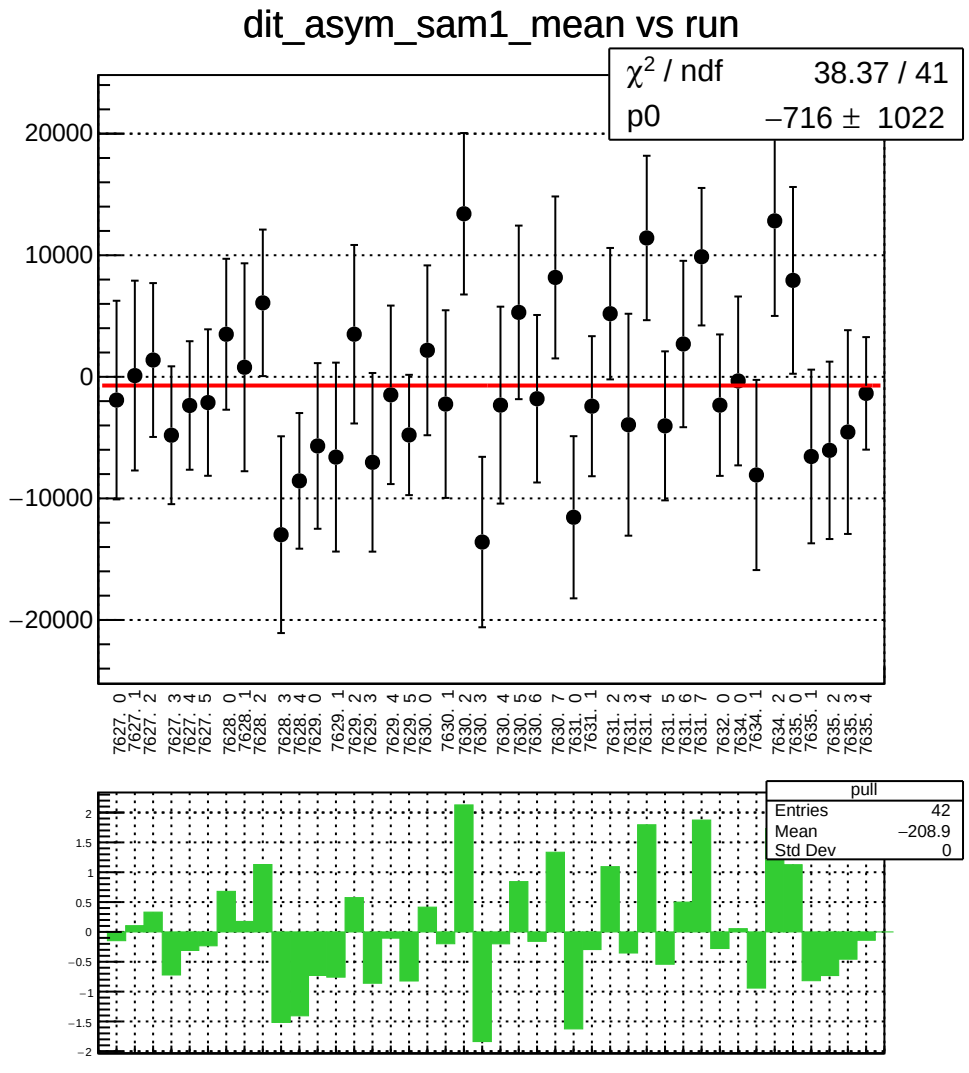
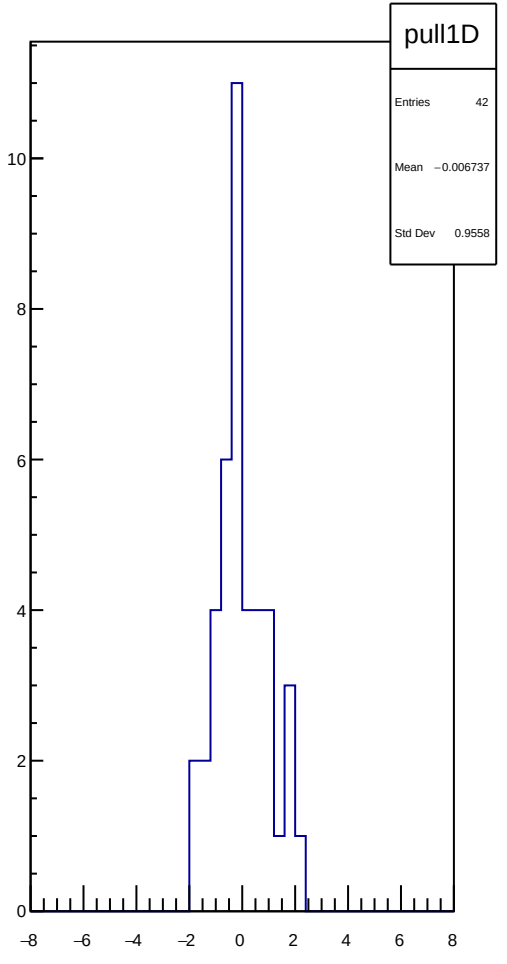
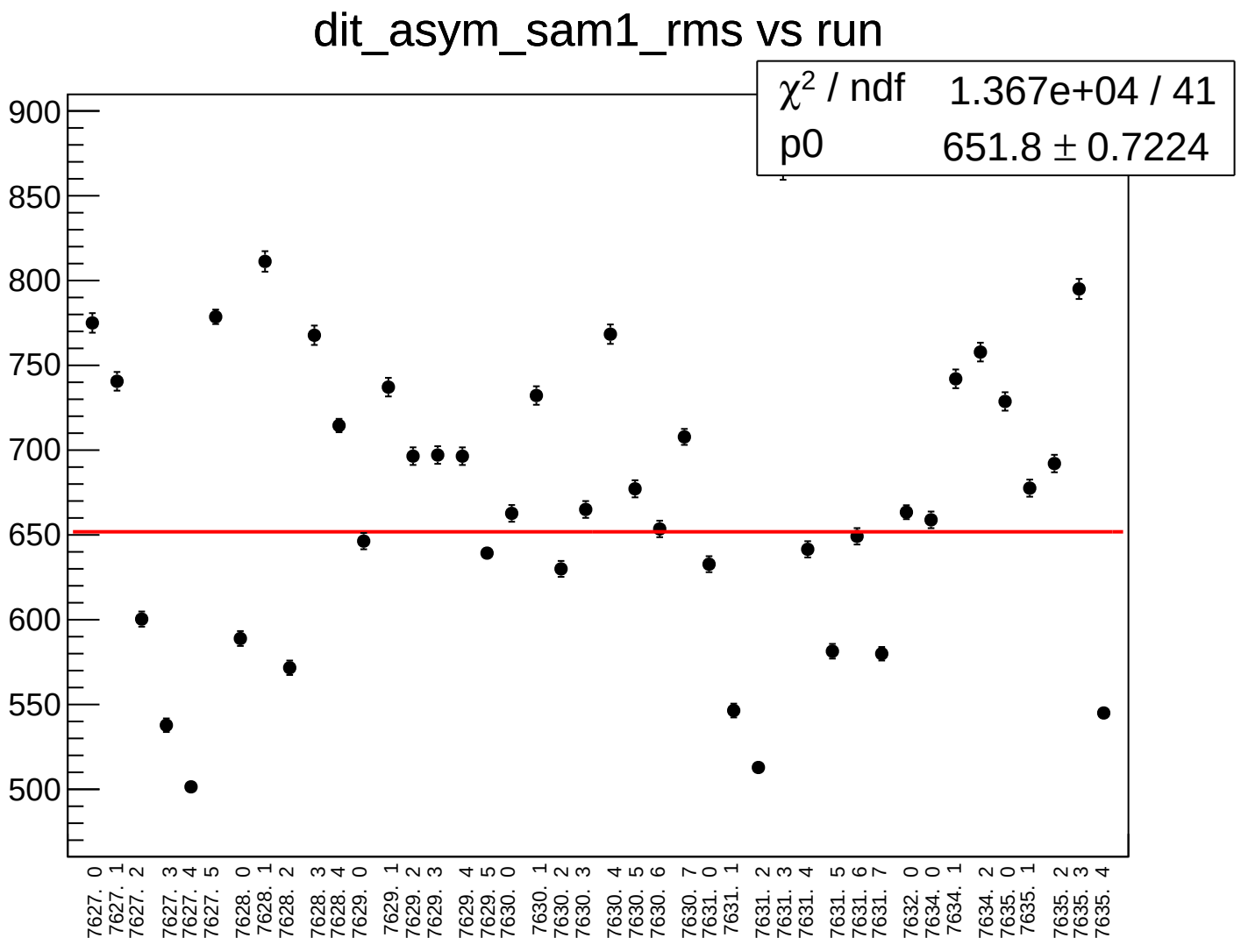
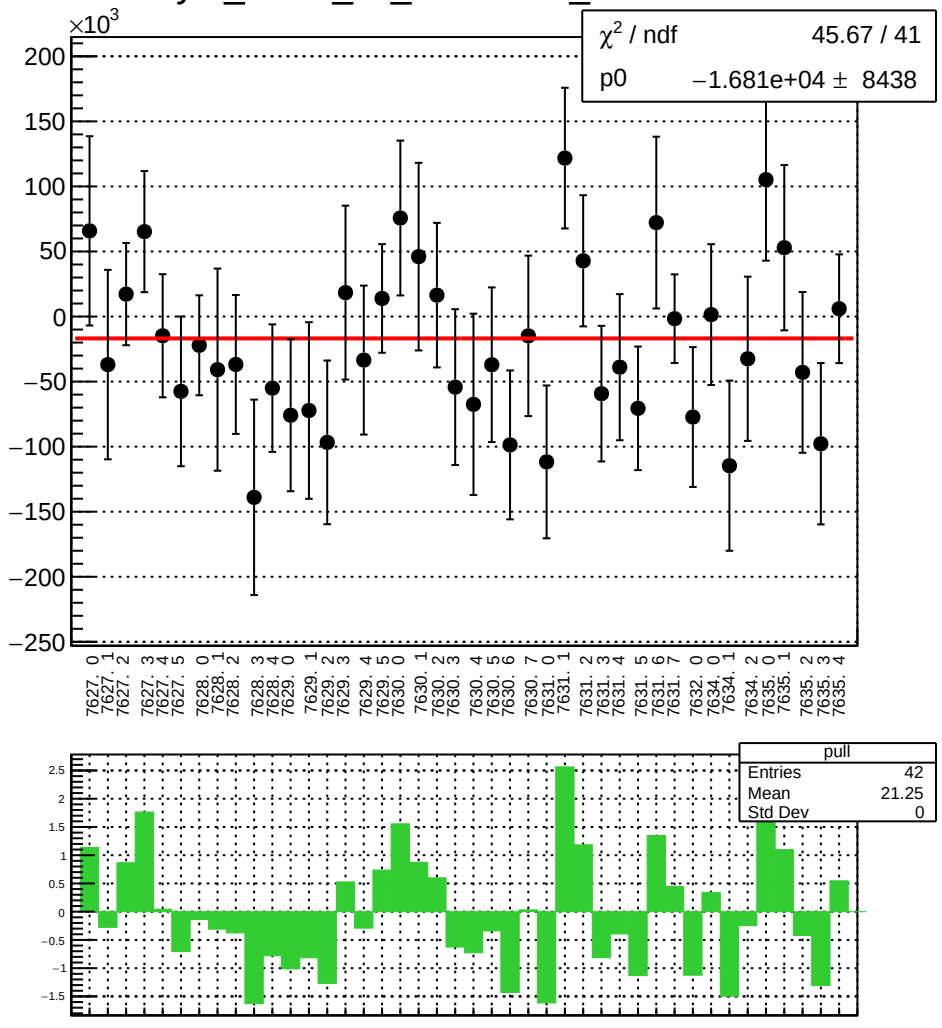
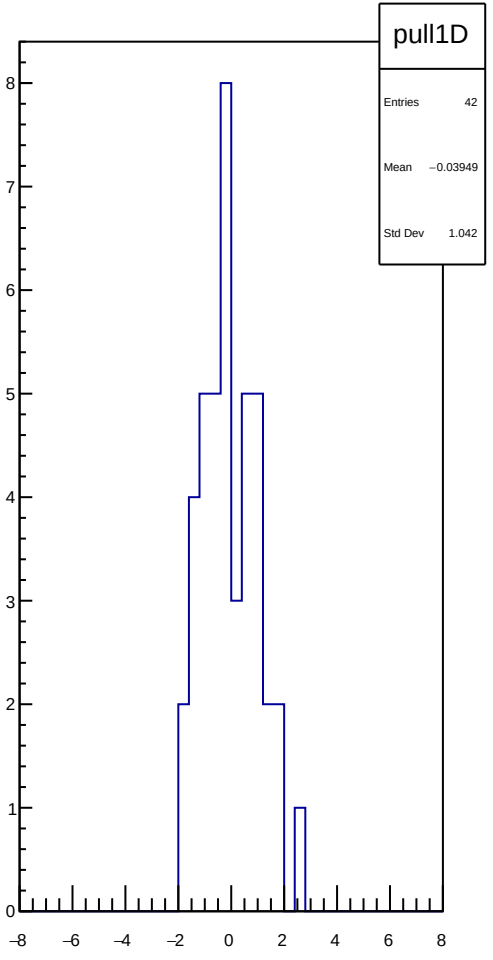
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

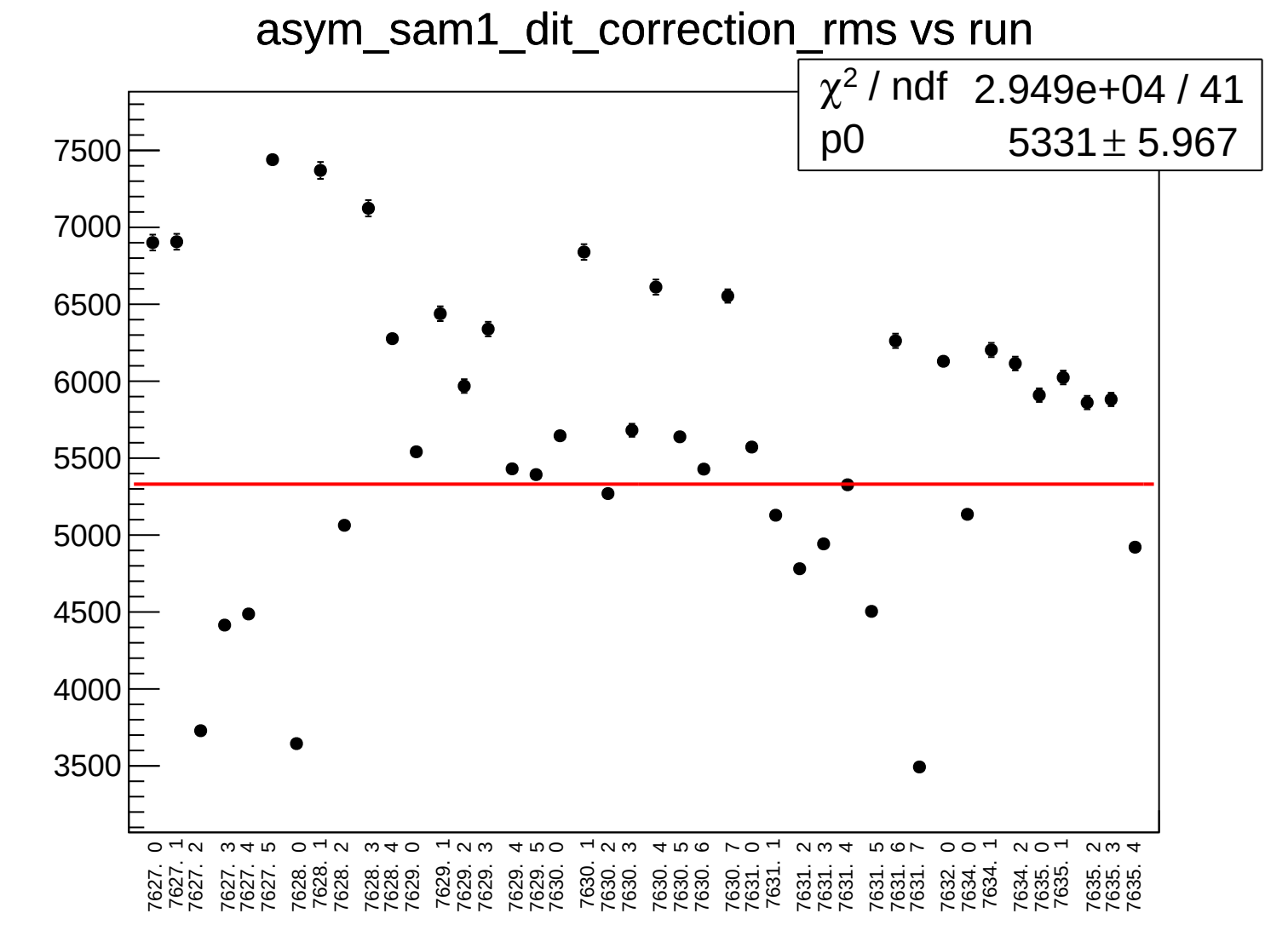

dit_asym_sam1_mean vs run
χ² / ndf 38.37 / 41
p0 −716 ± 1022
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −208.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

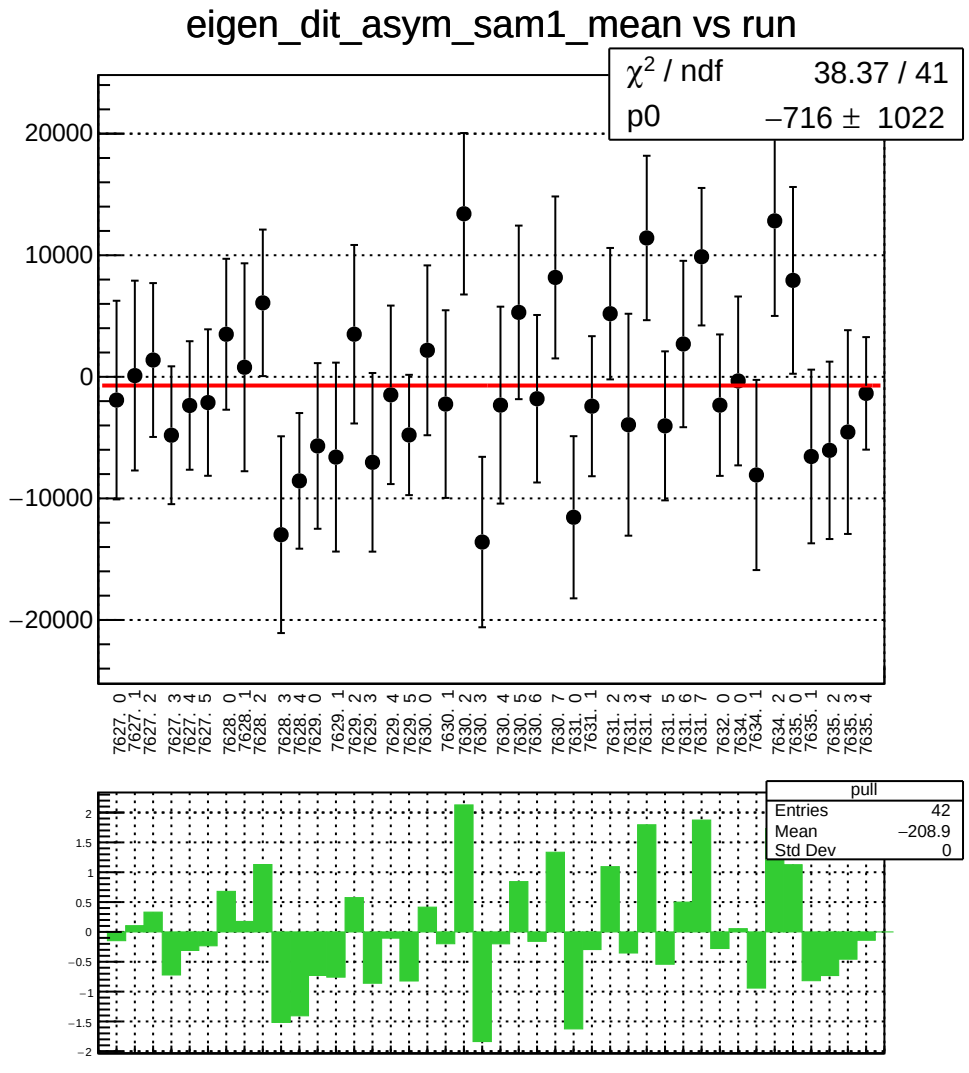

pull1D
Entries 42
Mean −0.006737
Std Dev 0.9558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

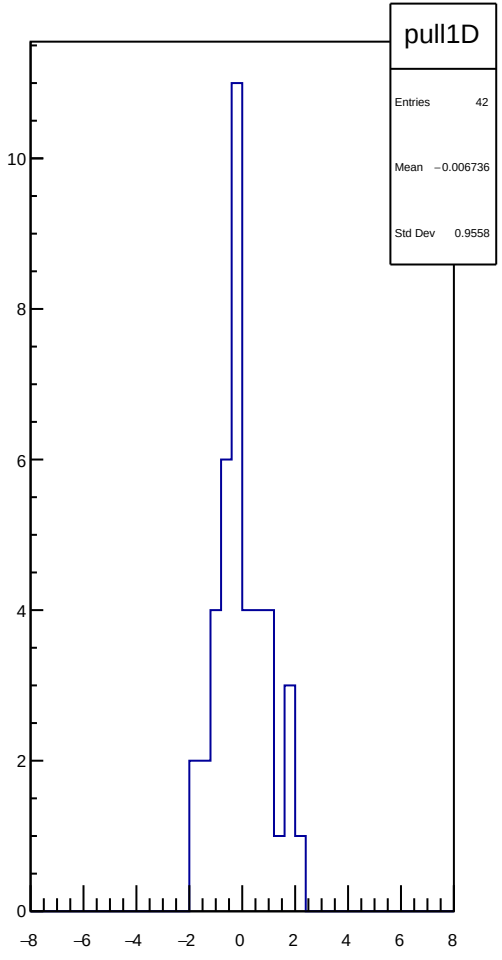

dit_asym_sam1_rms vs run
χ² / ndf 1.367e+04 / 41
p0 651.8 ± 0.7224
900
850
800
750
700
650
600
550
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

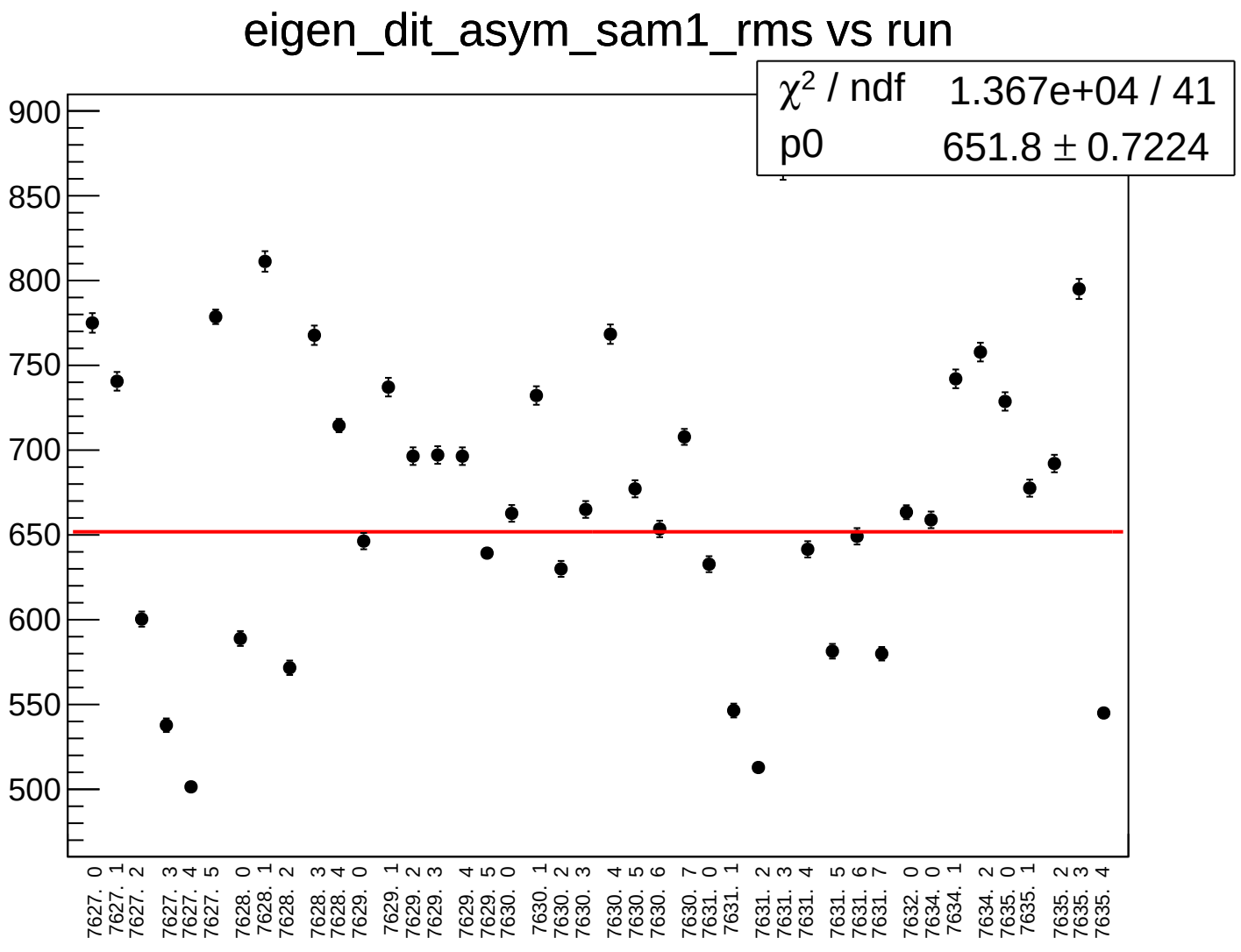

asym_sam1_dit_correction_mean vs run
×10^3
χ² / ndf 45.67 / 41
p0 −1.681e+04 ± 8438
pull
Entries 42
Mean 21.25
Std Dev 0

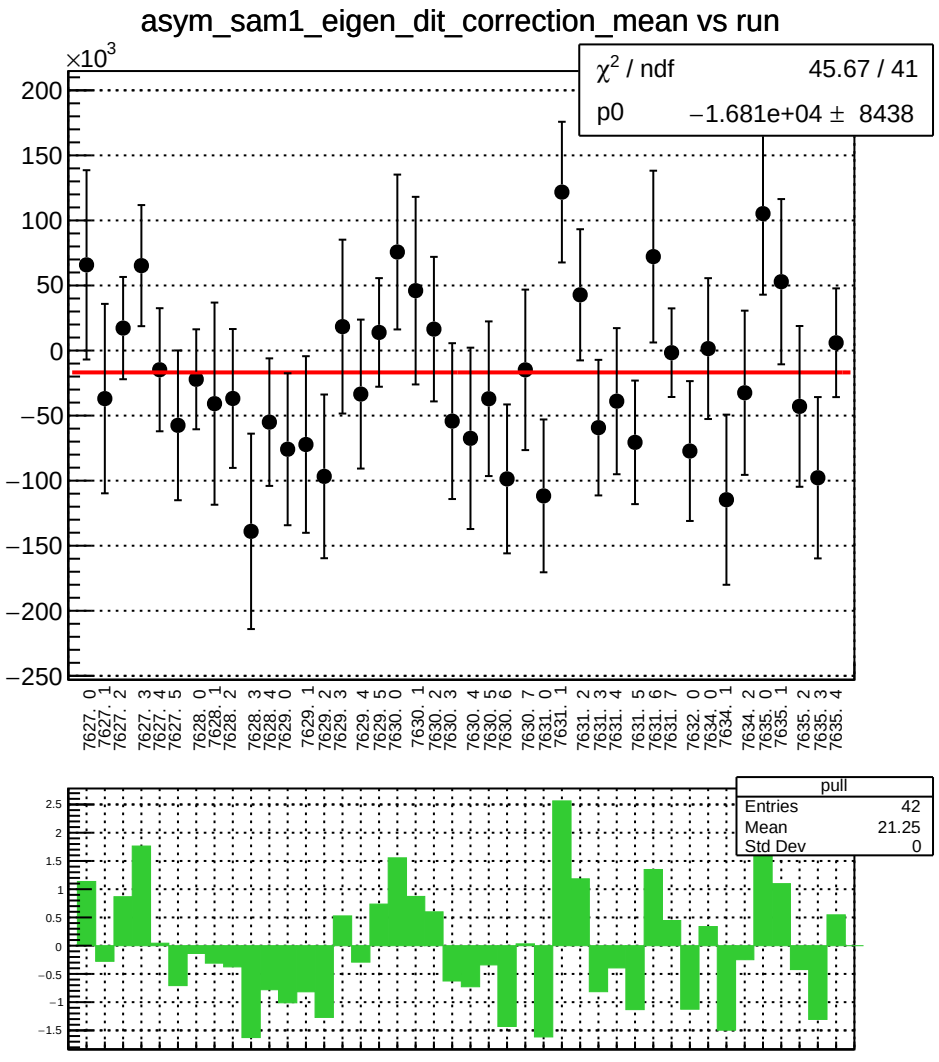

pull1D
Entries 42
Mean −0.03949
Std Dev 1.042

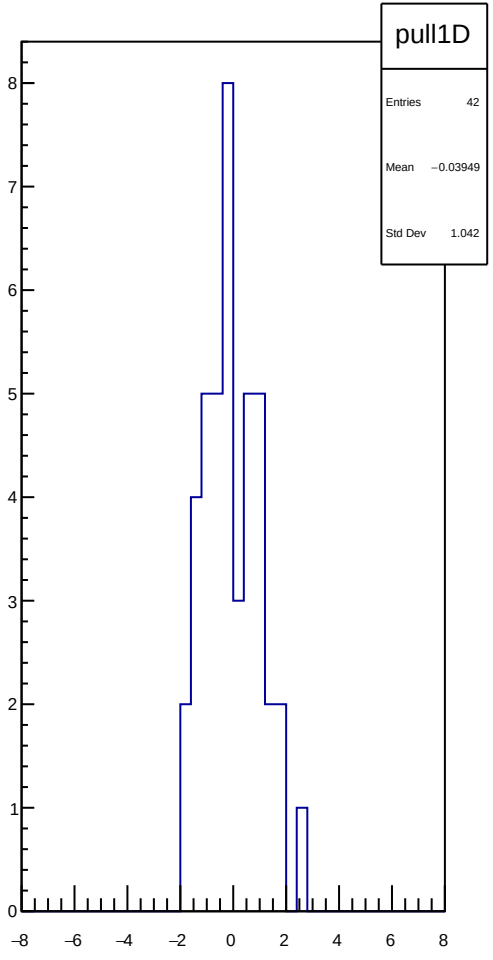

asym_sam1_dit_correction_rms vs run
χ² / ndf 2.949e+04 / 41
p0 5331 ± 5.967
7500
7000
6500
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

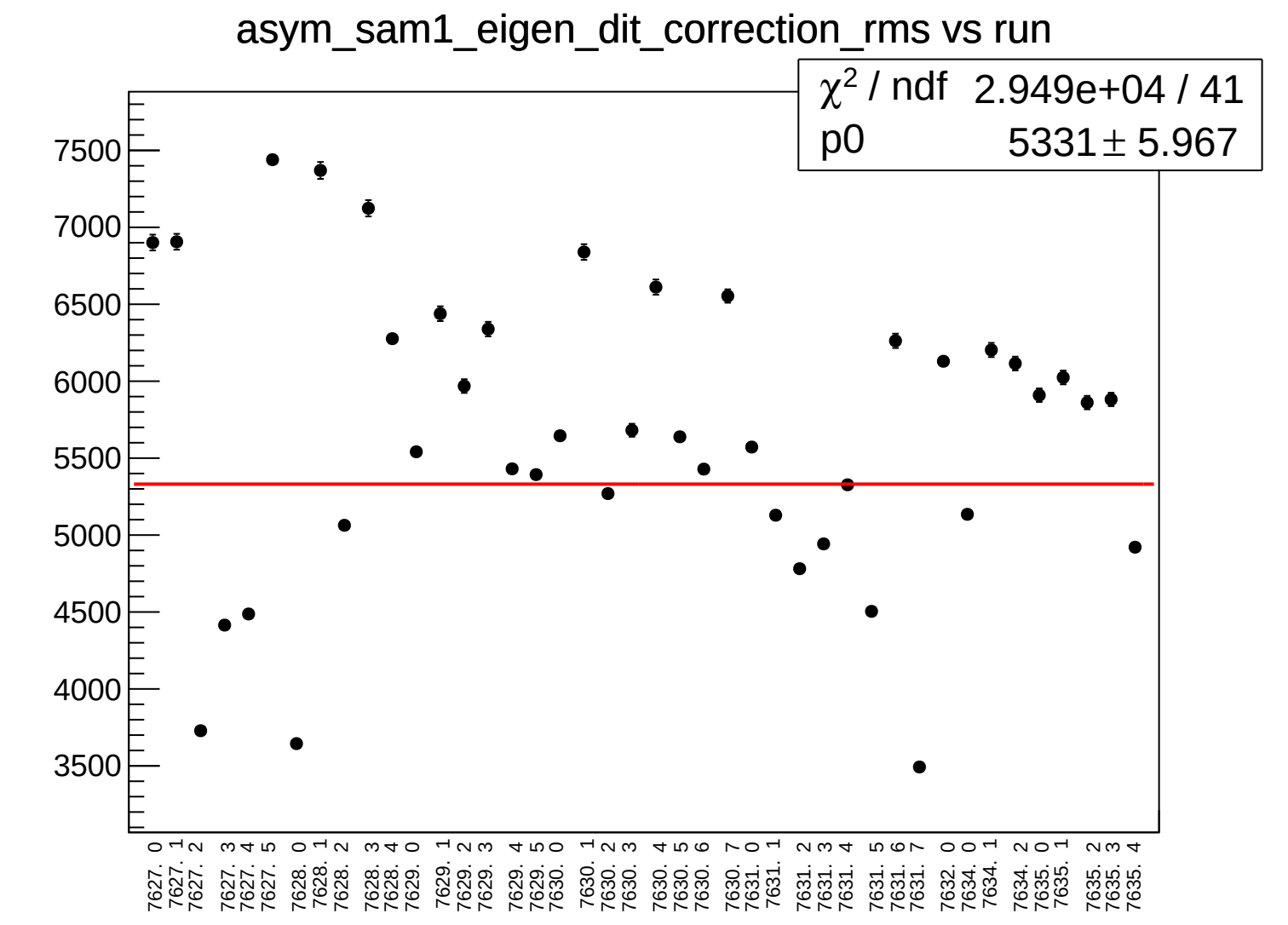

eigen_dit_asym_sam1_mean vs run
χ² / ndf 38.37 / 41
p0 −716 ± 1022
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −208.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

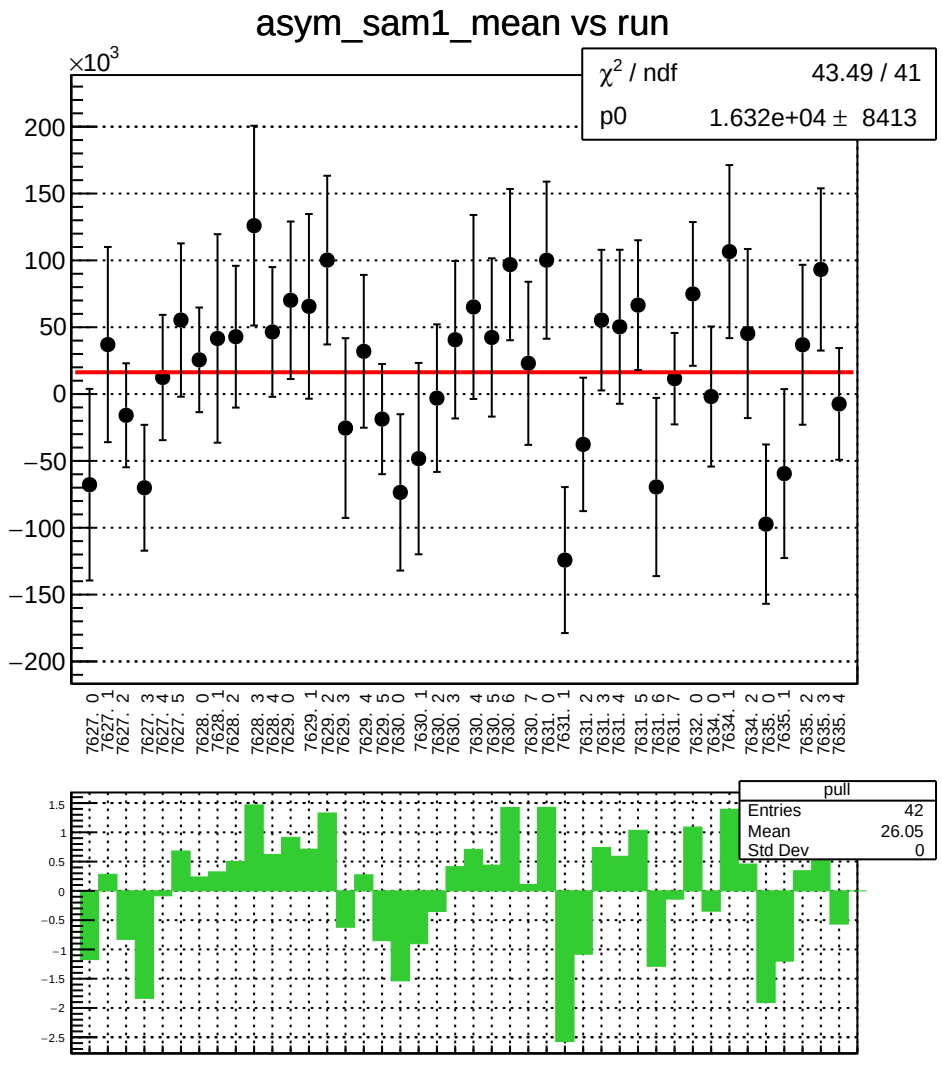

pull1D
Entries 42
Mean −0.006736
Std Dev 0.9558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

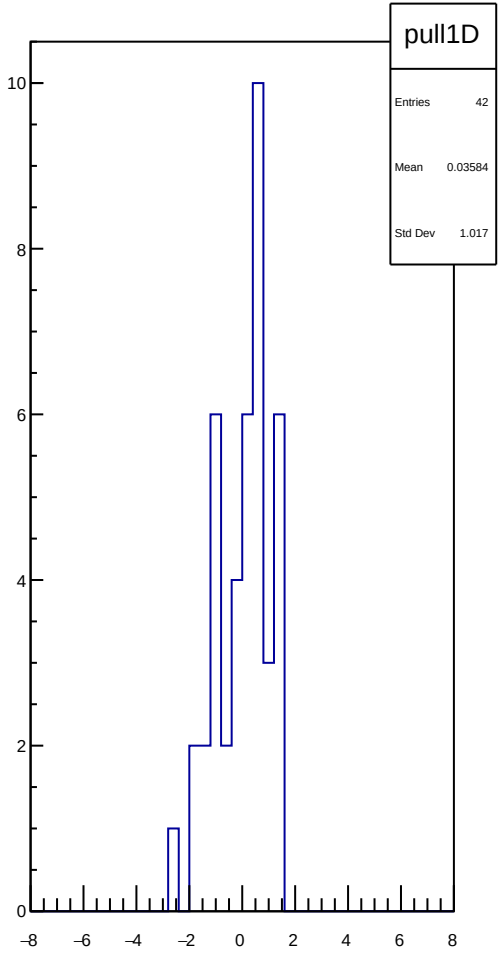

eigen_dit_asym_sam1_rms vs run
χ² / ndf 1.367e+04 / 41
p0 651.8 ± 0.7224
900
850
800
750
700
650
600
550
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

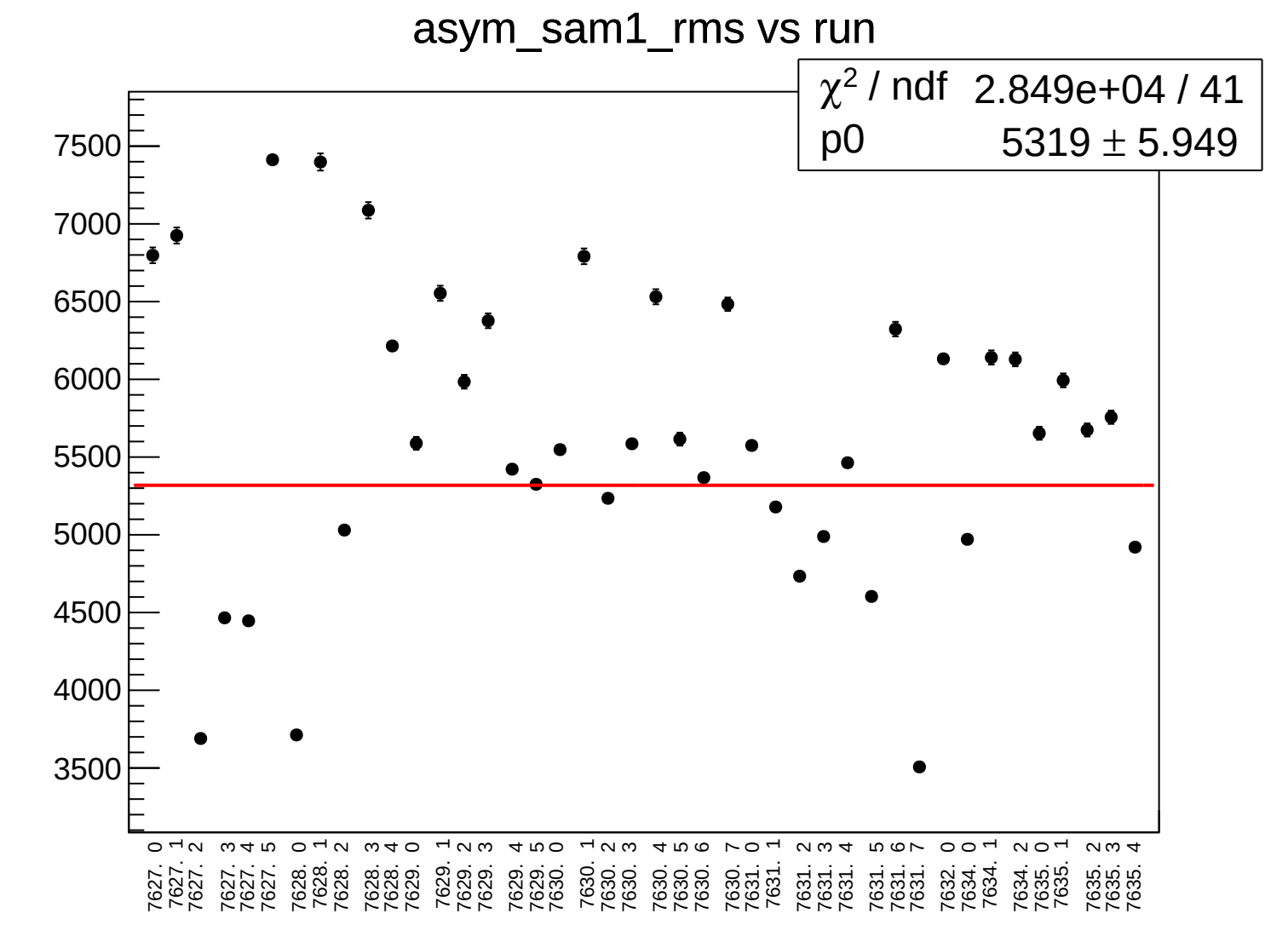

asym_sam1_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.67 / 41
p0 −1.681e+04 ± 8438
200
150
100
50
0
−50
−100
−150
−200
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21.25
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

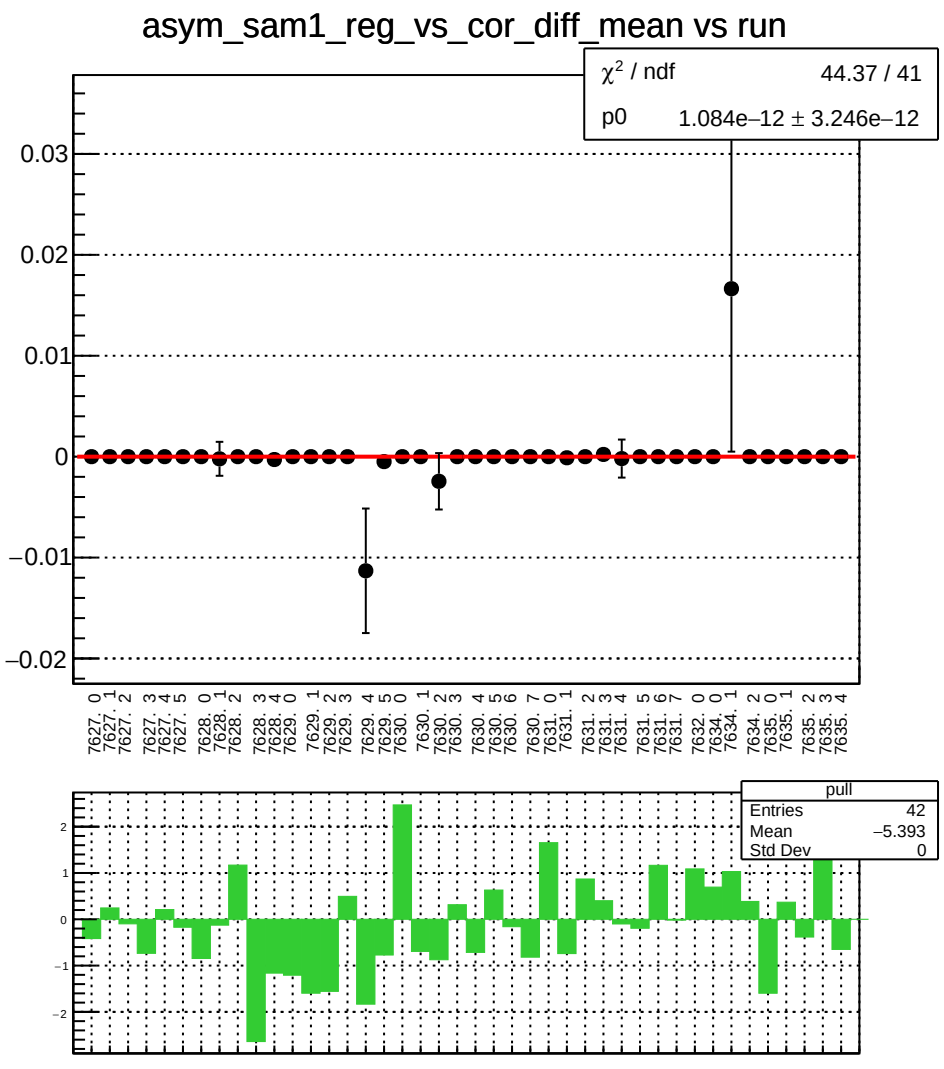

pull1D
Entries 42
Mean −0.03949
Std Dev 1.042
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

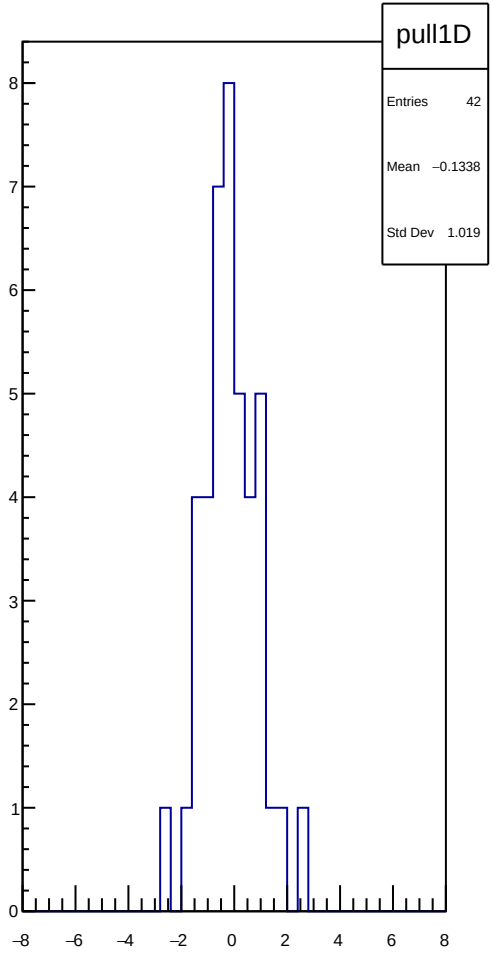

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 2.949e+04 / 41
p0 5331 ± 5.967
7500
7000
6500
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

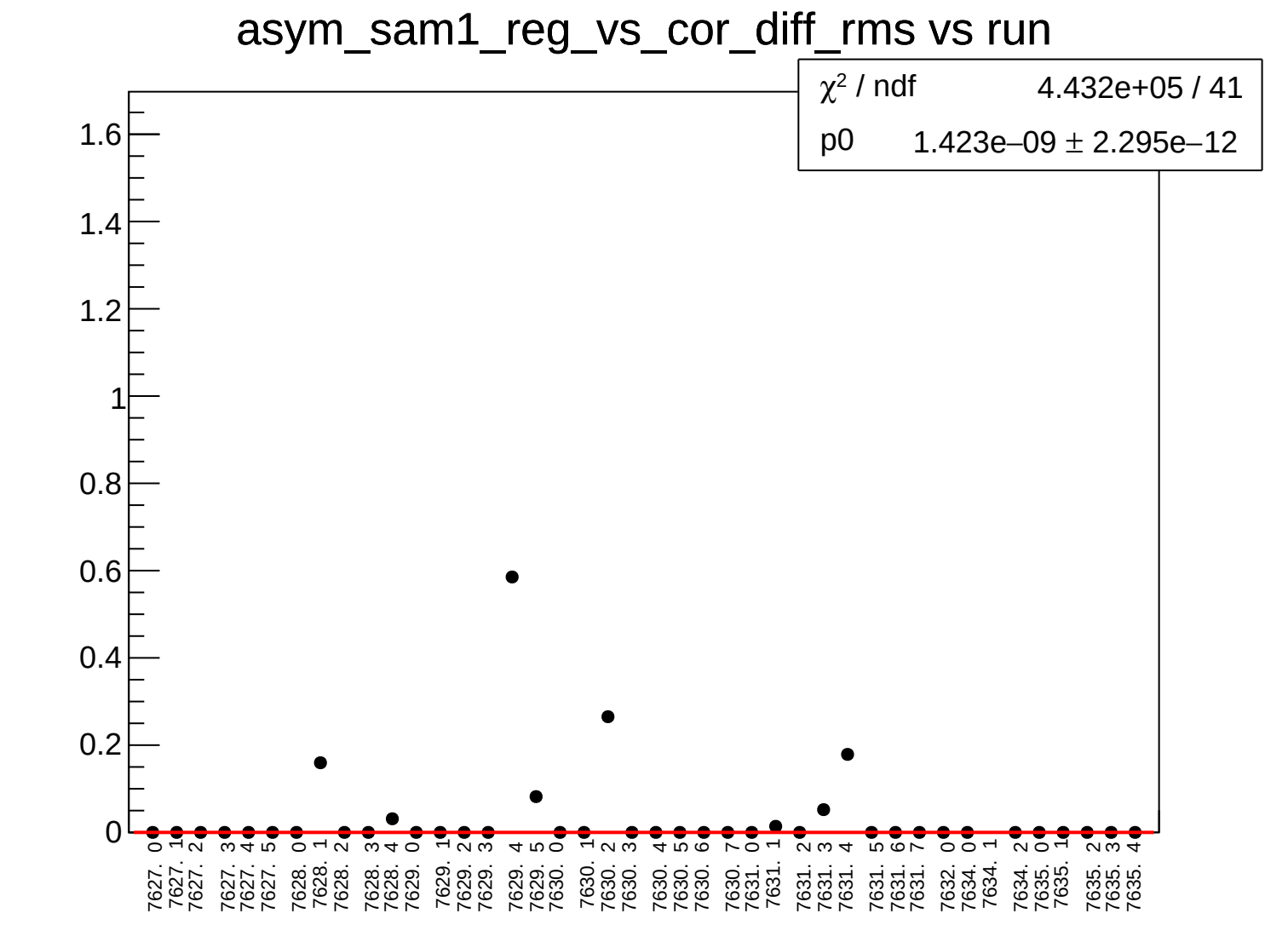

asym_sam1_mean vs run
×10^3
χ² / ndf 43.49 / 41
p0 1.632e+04 ± 8413
200
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

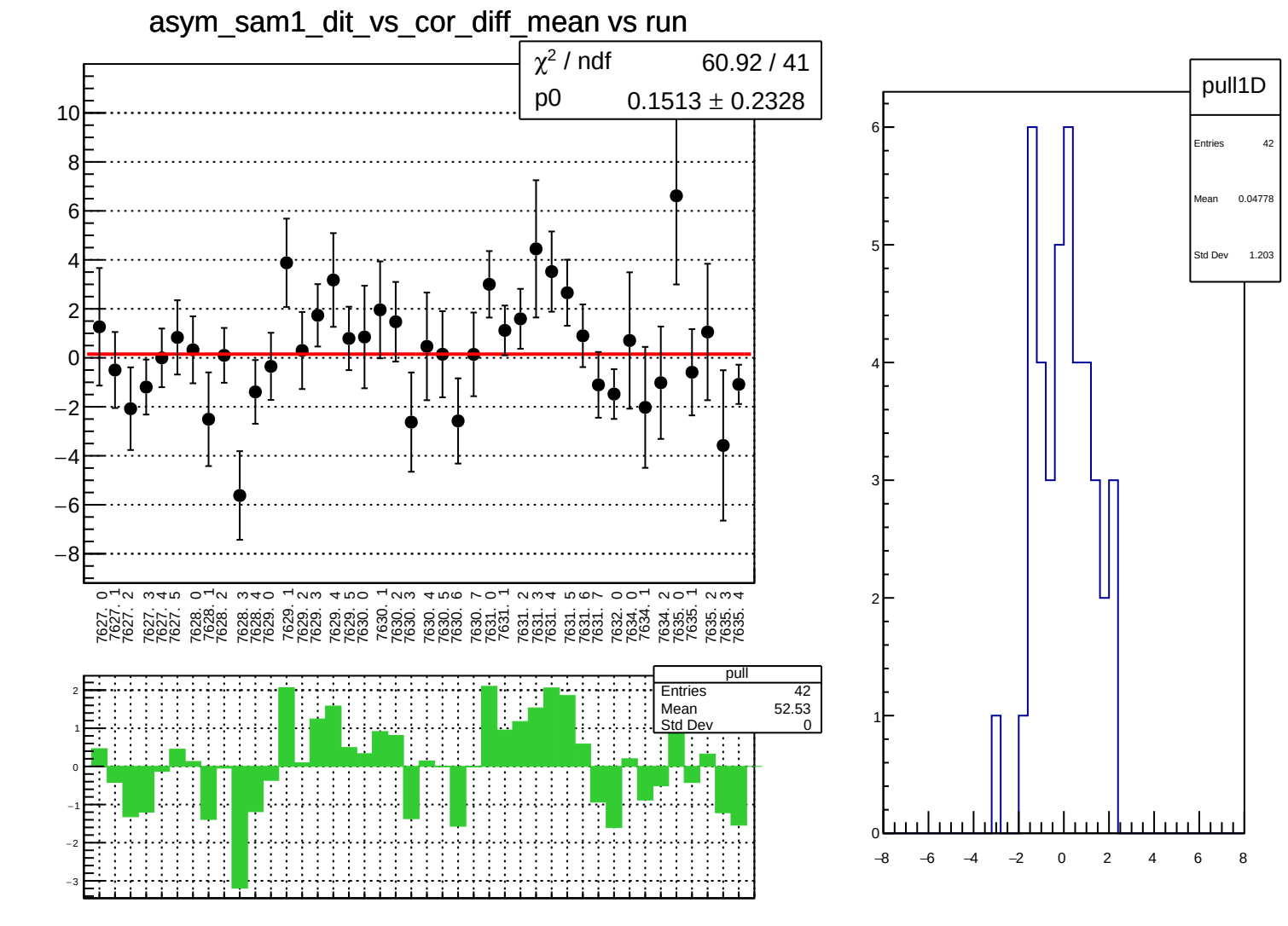

pull1D
Entries 42
Mean 0.03584
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

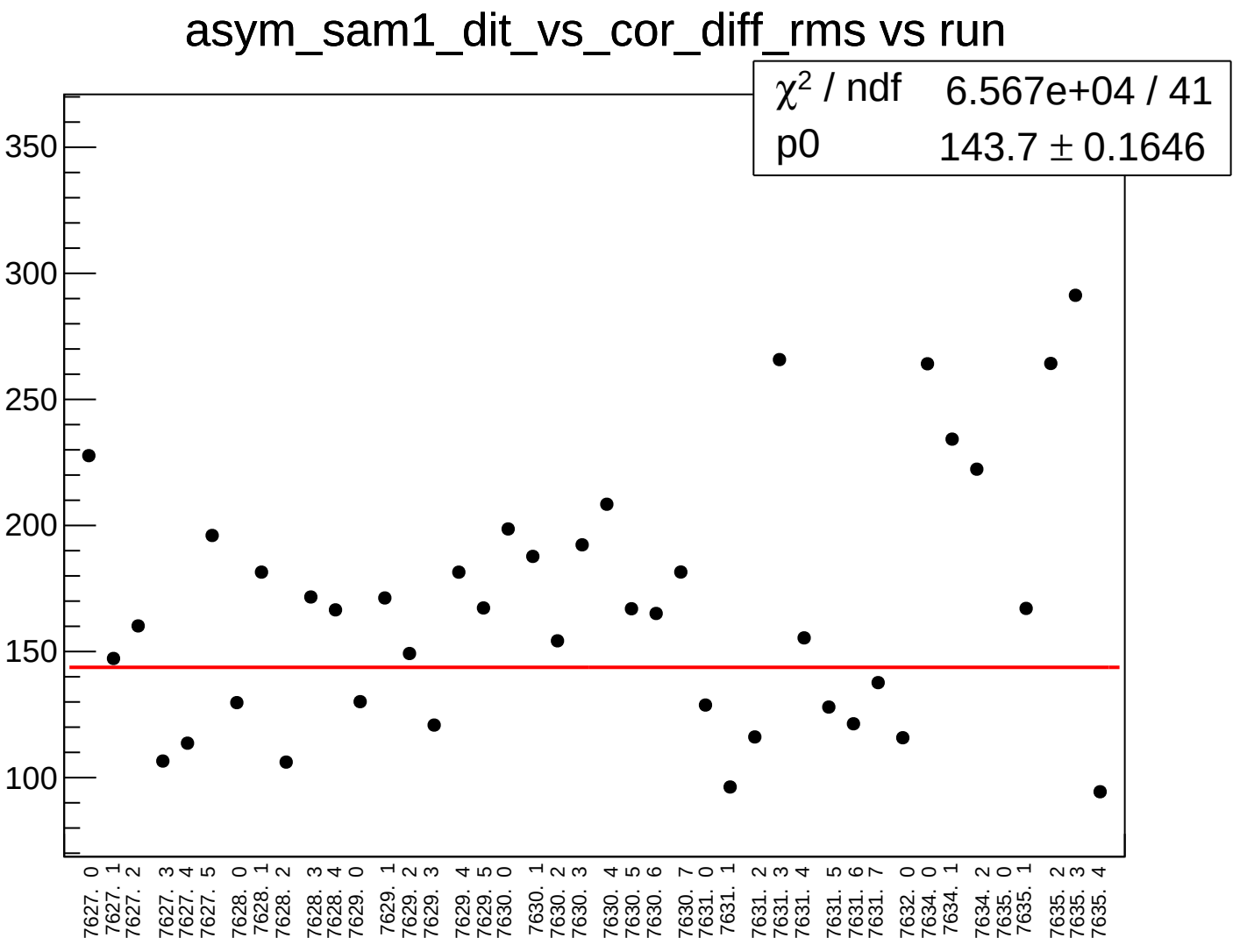

asym_sam1_rms vs run
χ² / ndf 2.849e+04 / 41
p0 5319 ± 5.949
7500
7000
6500
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

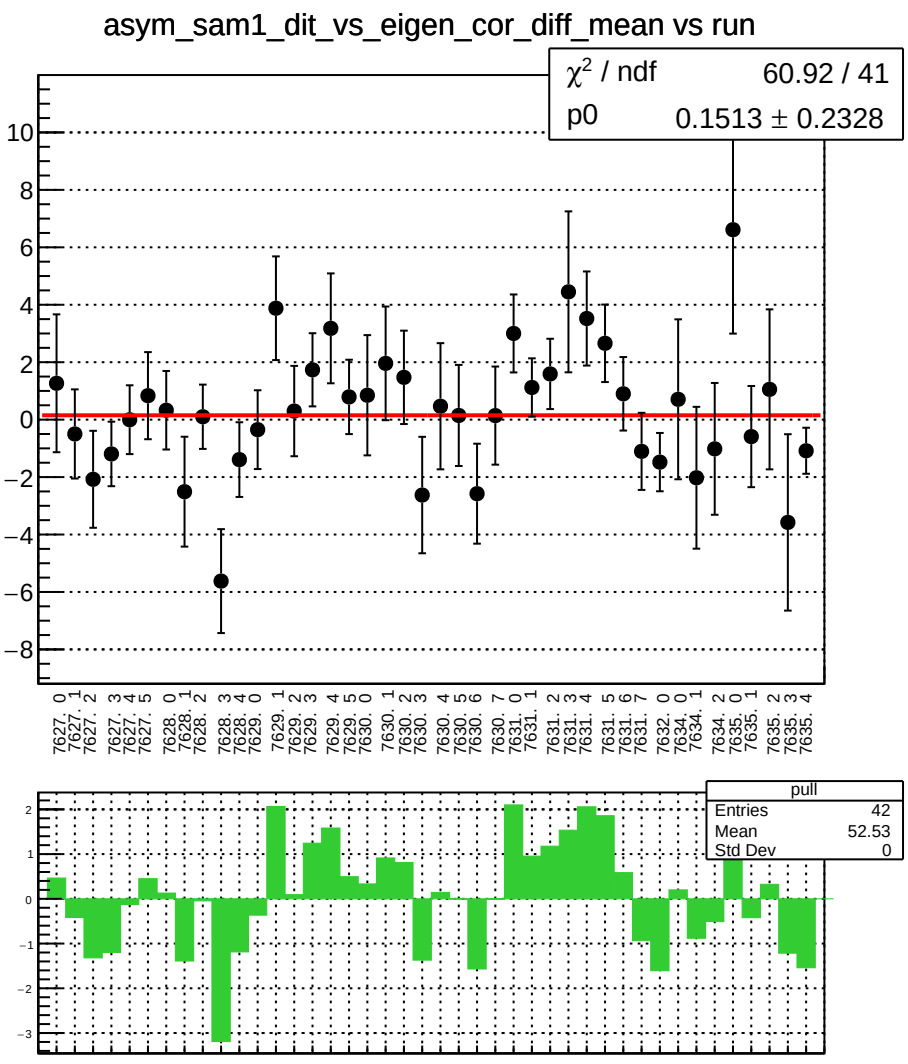

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 44.37 / 41
p0 1.084e−12 ± 3.246e−12
0.03
0.02
0.01
0
−0.01
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −5.393
Std Dev 0
2
1
0
−1
−2

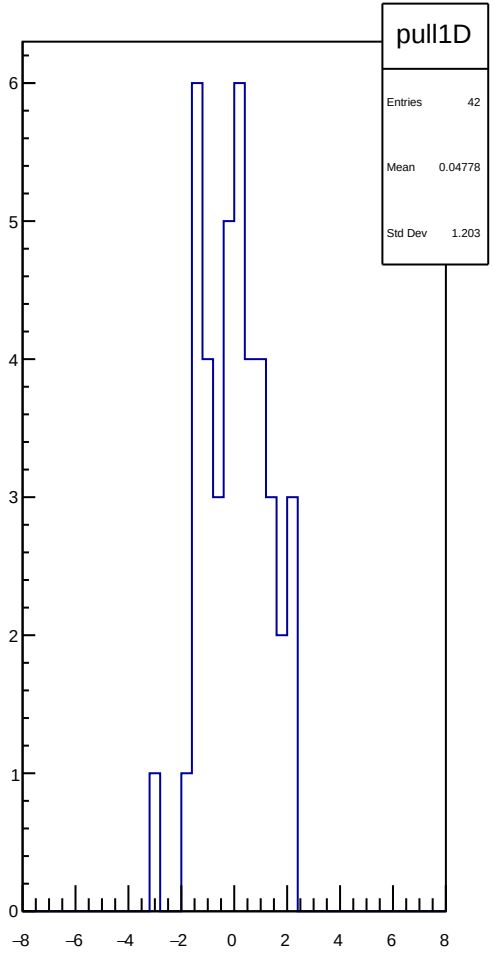

pull1D
Entries 42
Mean −0.1338
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

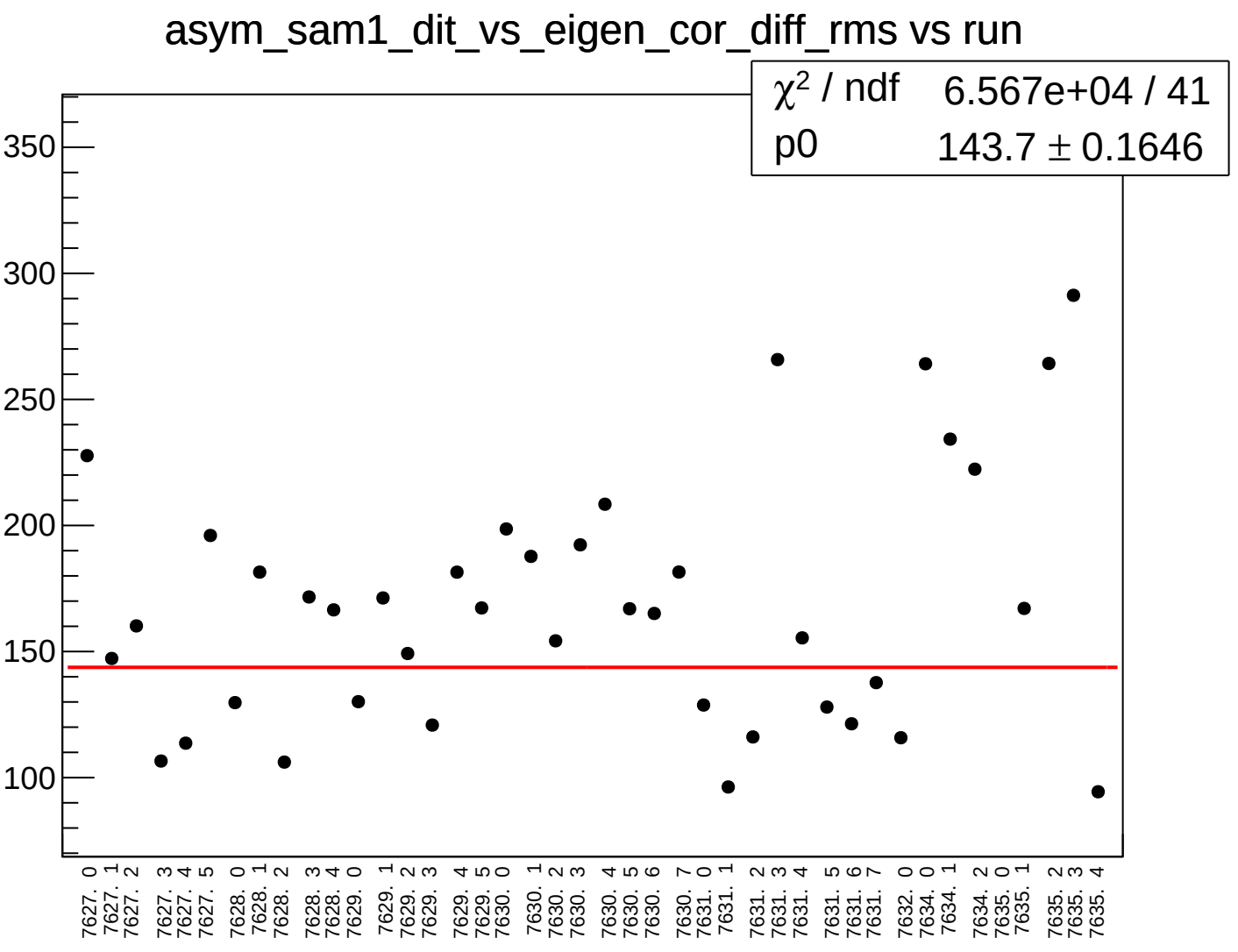

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 4.432e+05 / 41
p0 1.423e−09 ± 2.295e−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

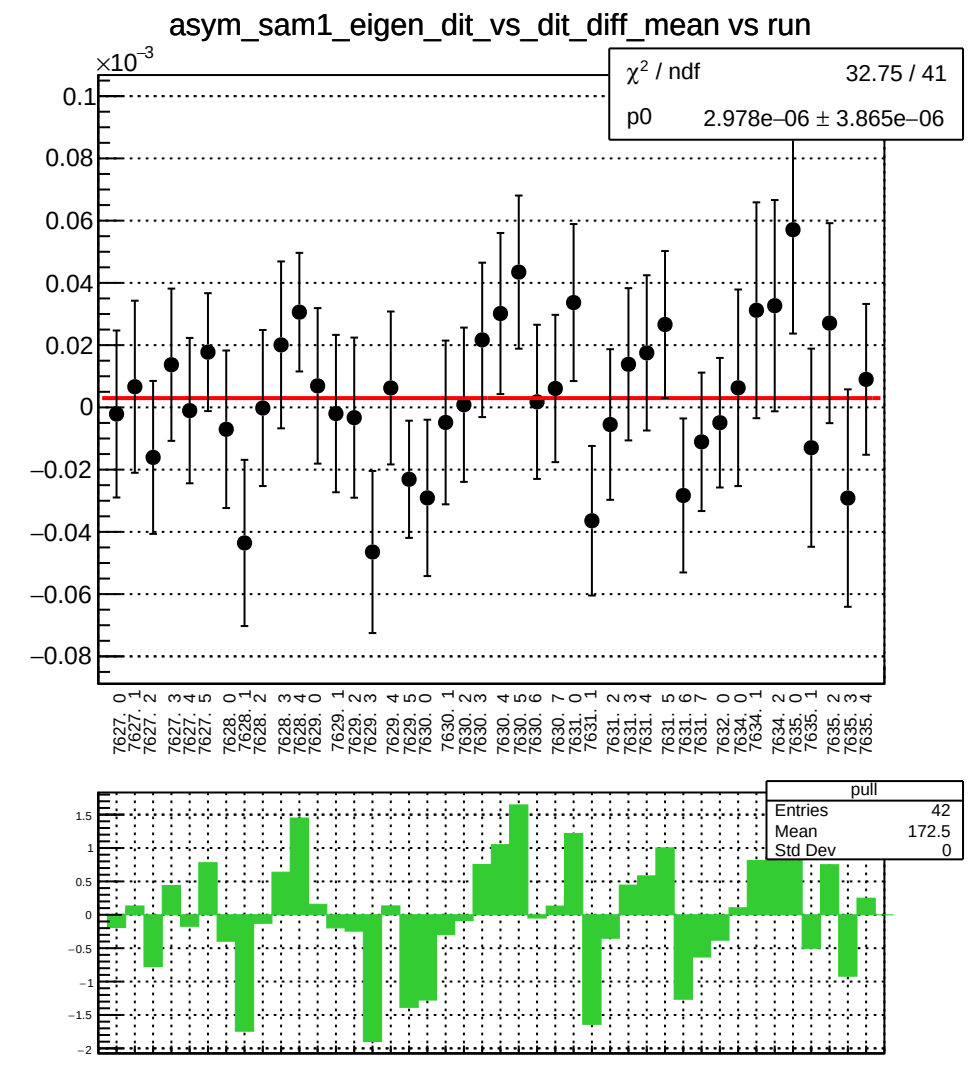

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 60.92 / 41
p0 0.1513 ± 0.2328
pull
Entries 42
Mean 52.53
Std Dev 0
pull1D
Entries 42
Mean 0.04778
Std Dev 1.203

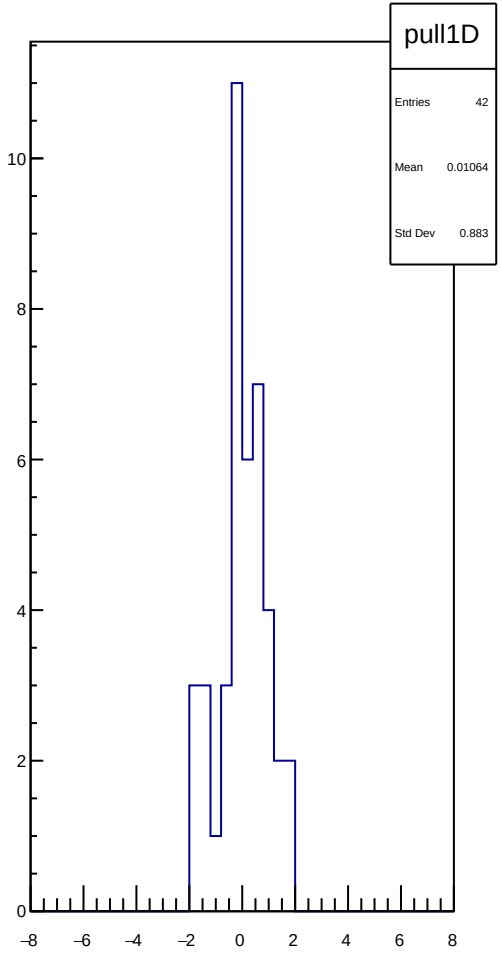

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 6.567e+04 / 41
p0 143.7 ± 0.1646
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

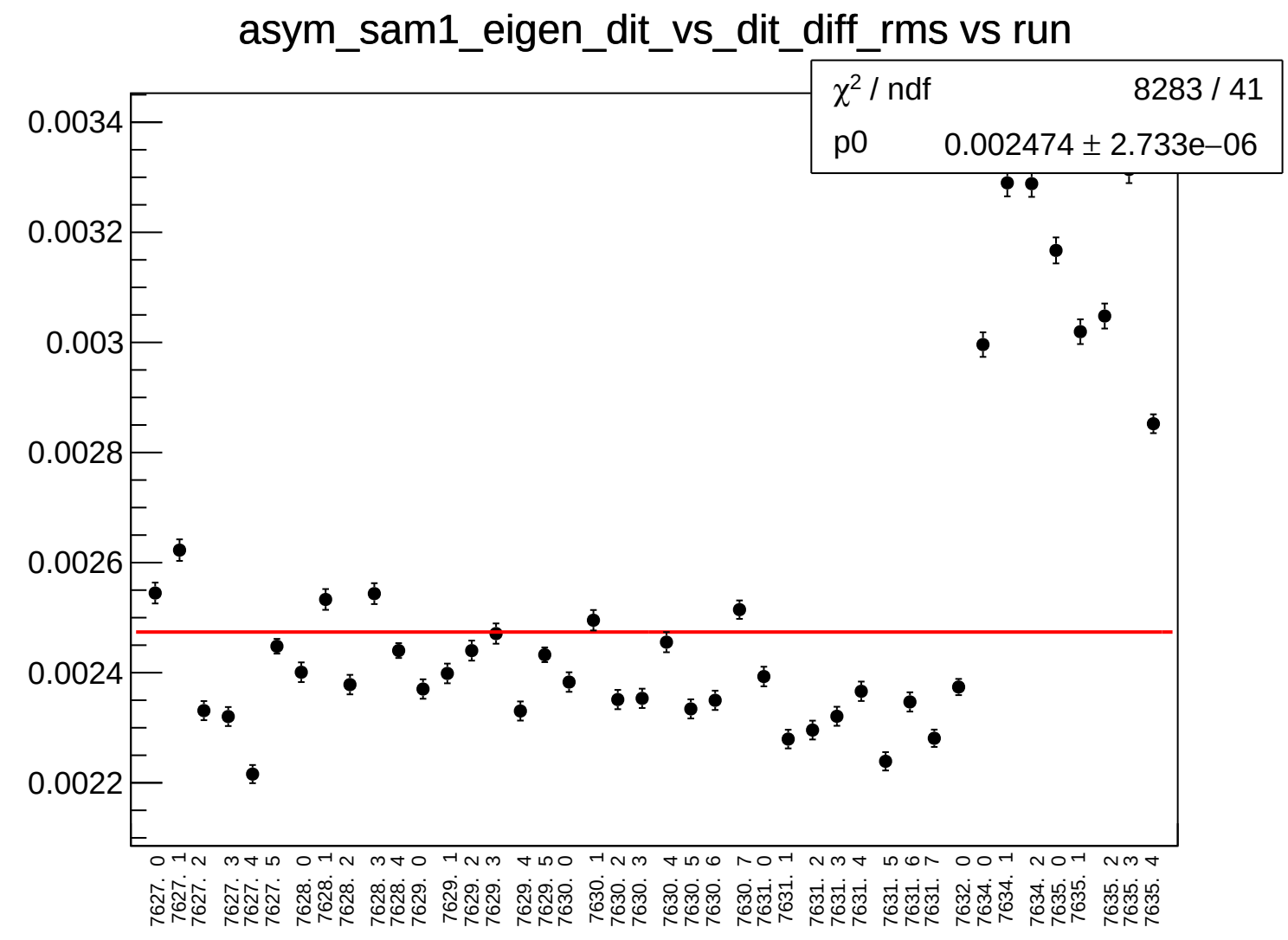

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.92 / 41
p0 0.1513 ± 0.2328
pull
Entries 42
Mean 52.53
Std Dev 0

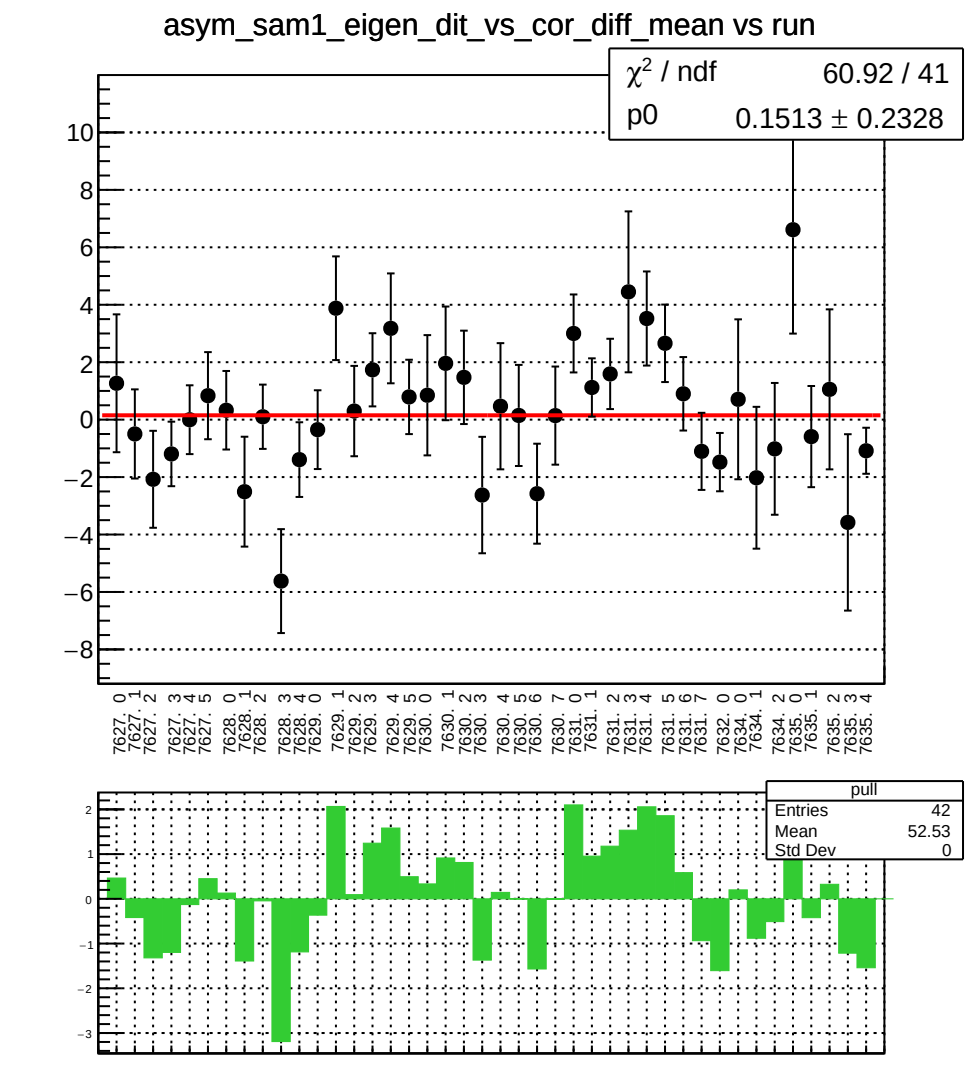

pull1D
Entries 42
Mean 0.04778
Std Dev 1.203

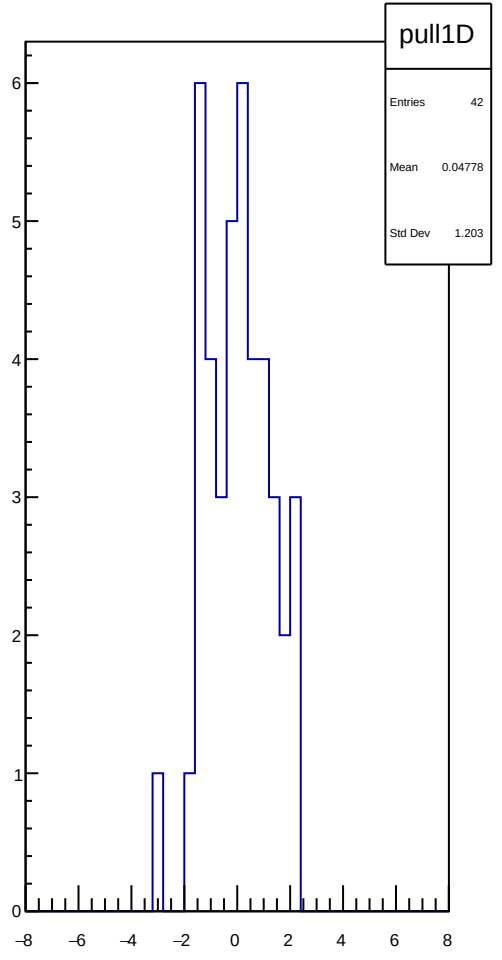

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.567e+04 / 41
p0 143.7 ± 0.1646
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

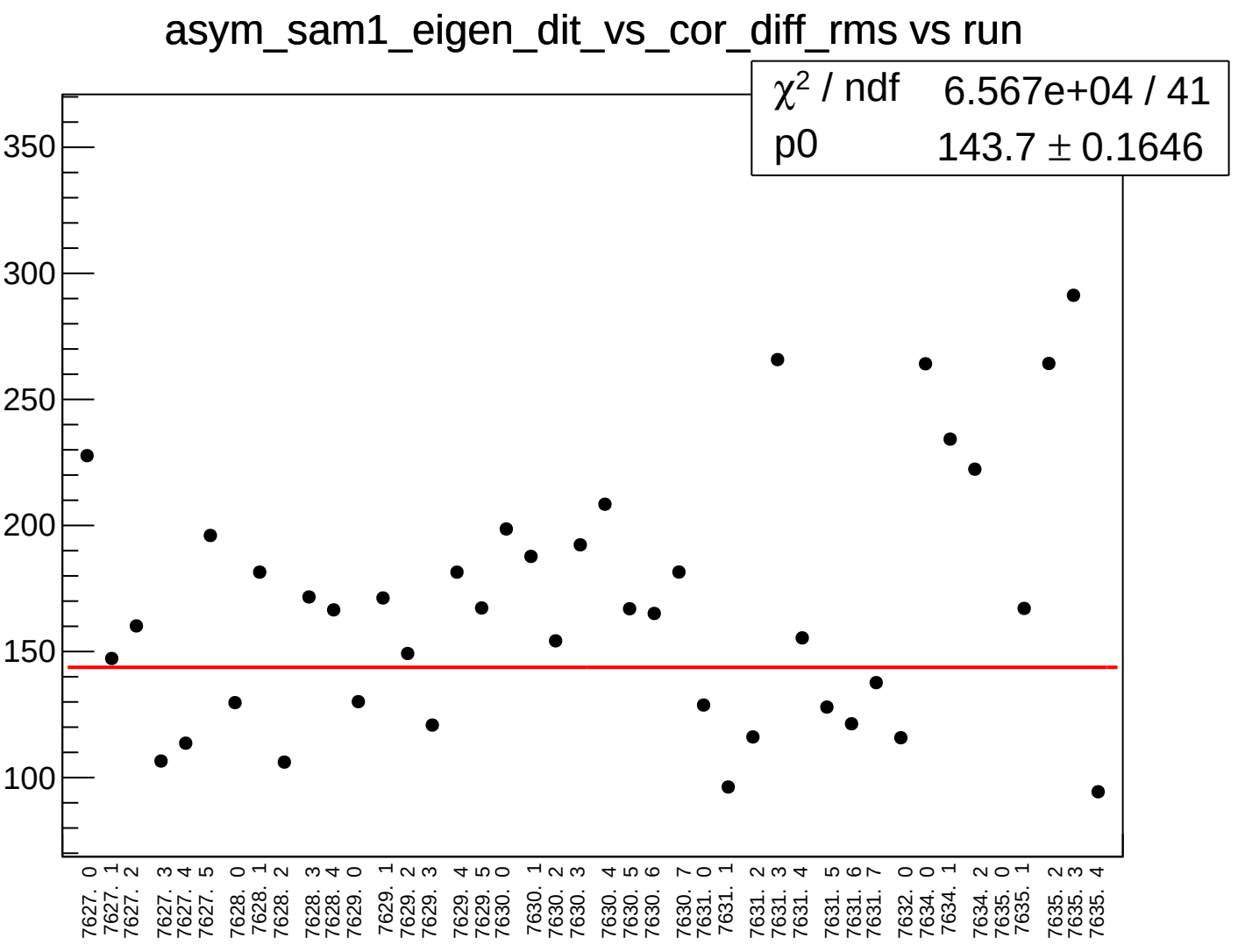

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 32.75 / 41
p0 2.978e−06 ± 3.865e−06
pull
Entries 42
Mean 172.5
Std Dev 0

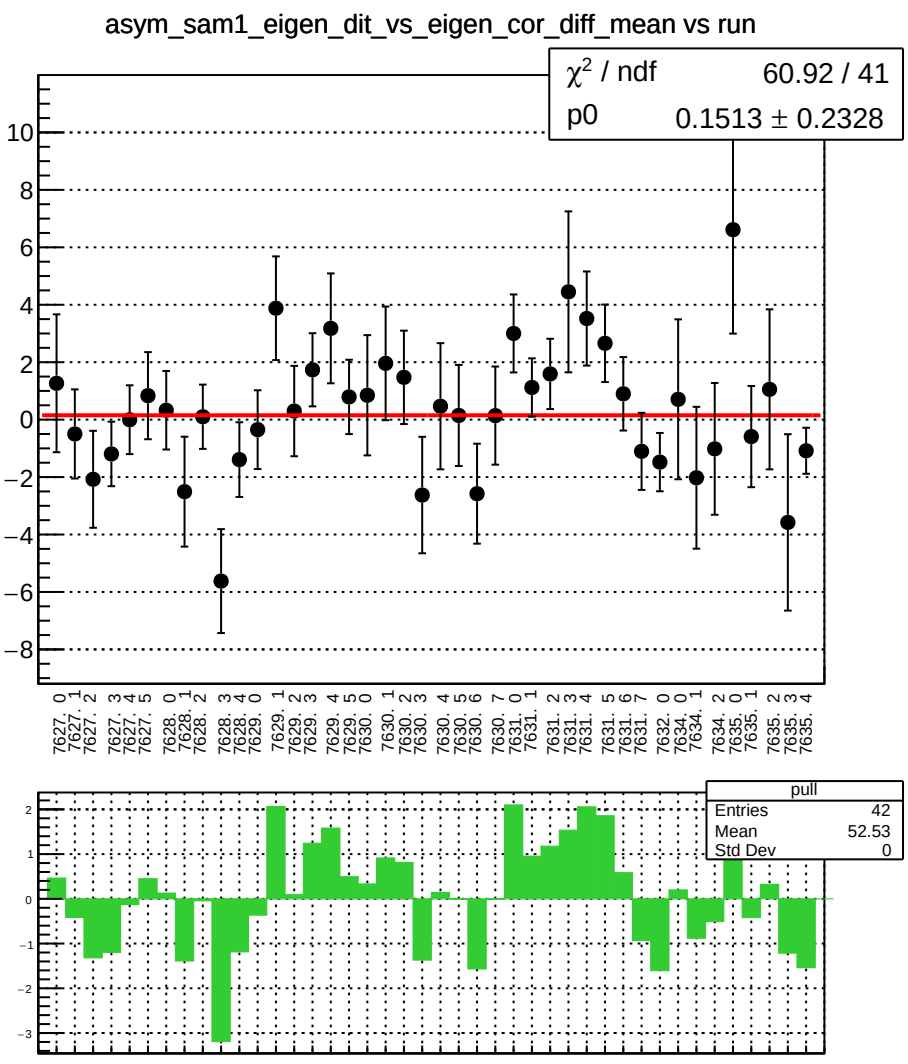

pull1D
Entries 42
Mean 0.01064
Std Dev 0.883

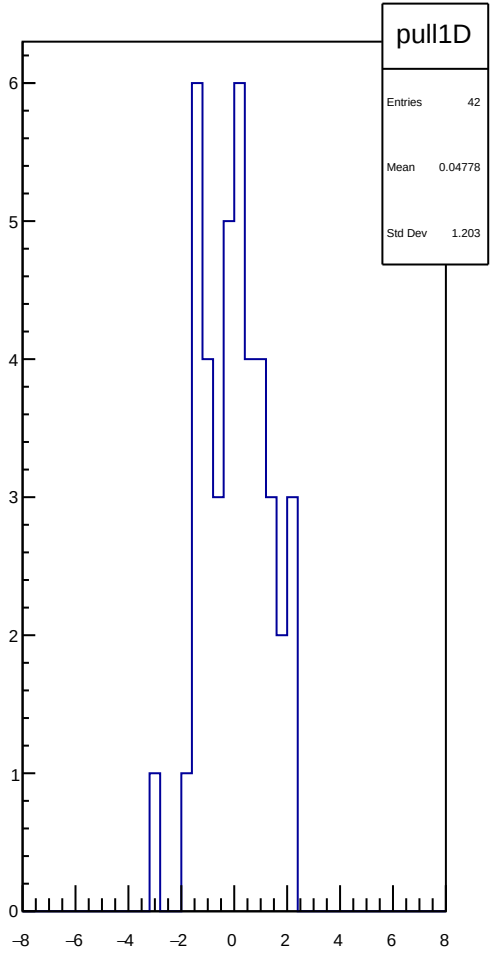

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8283 / 41
p0 0.002474 ± 2.733e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

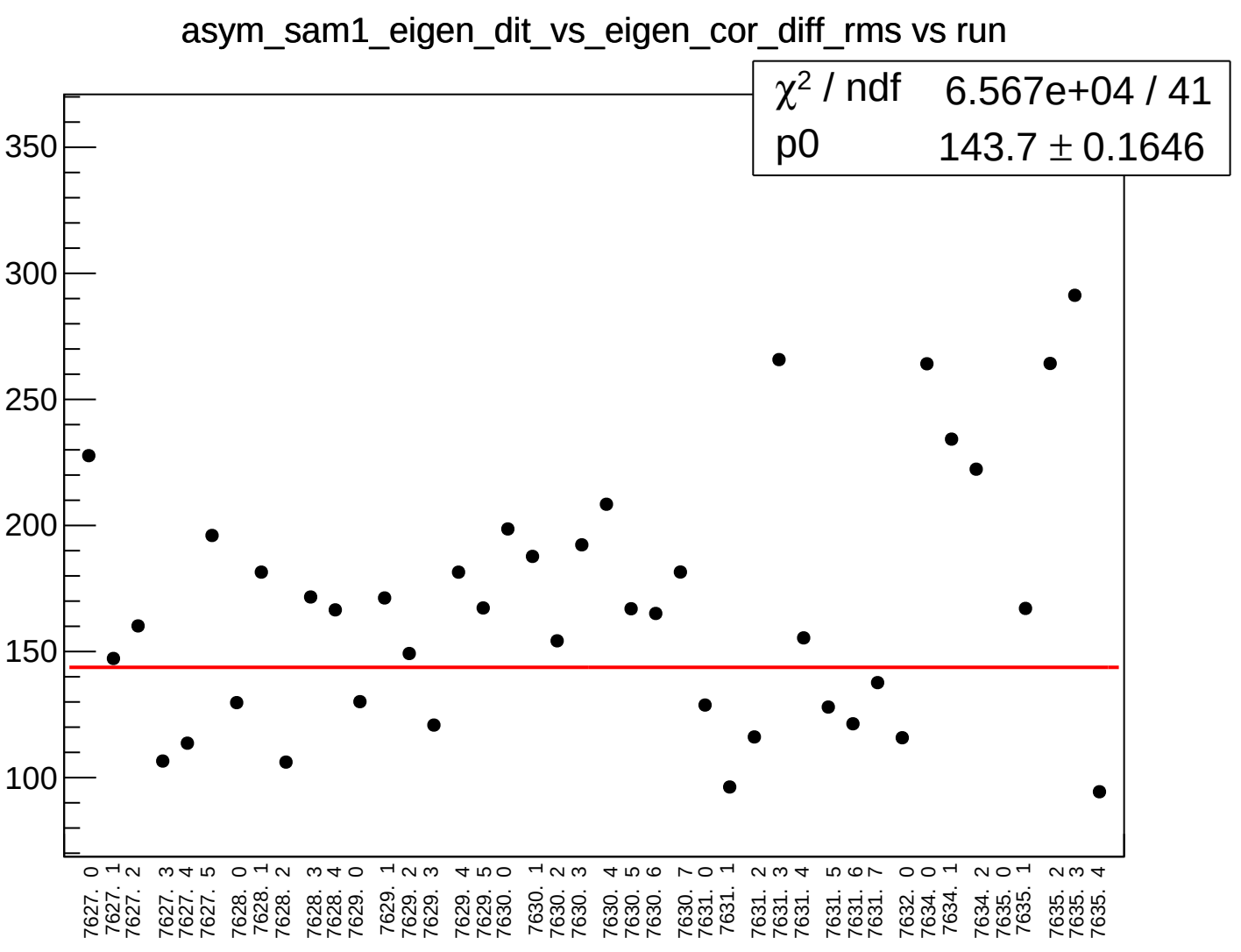

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.92 / 41
p0 0.1513 ± 0.2328
pull
Entries 42
Mean 52.53
Std Dev 0

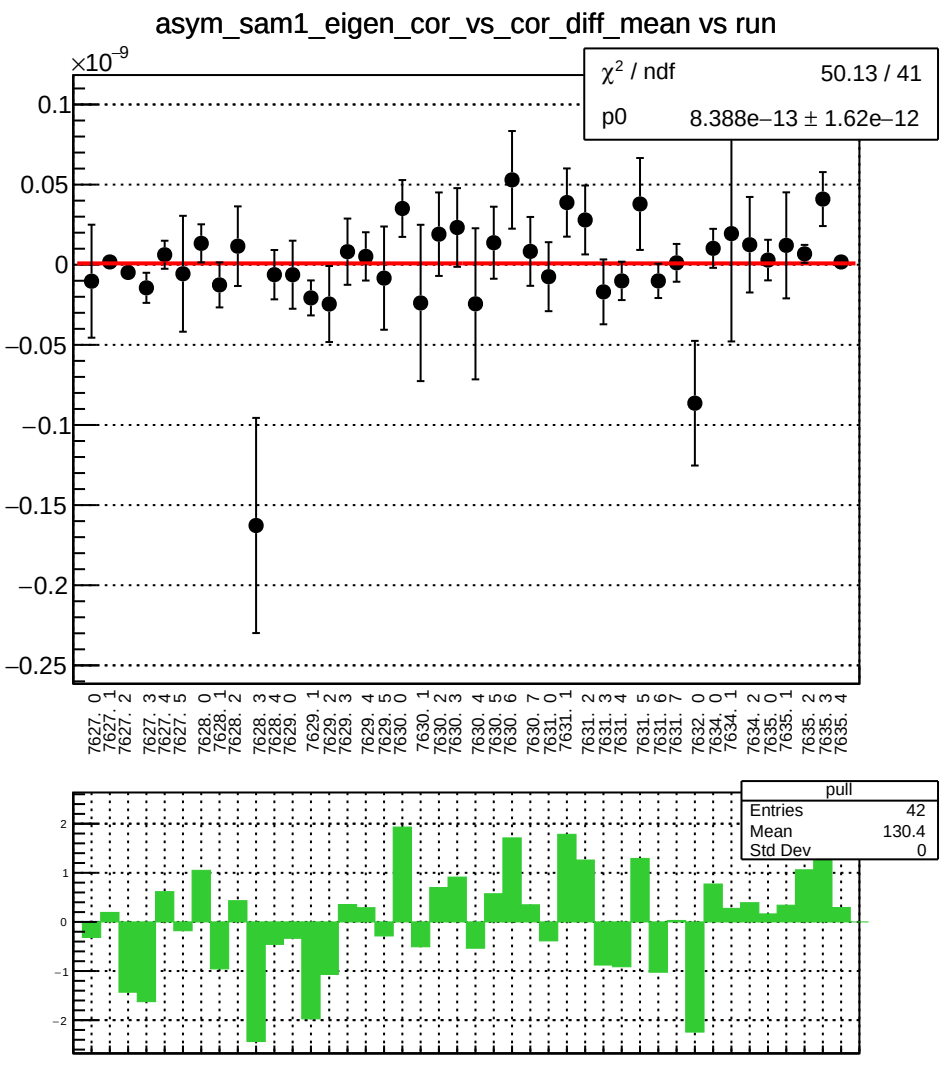

pull1D
Entries 42
Mean 0.04778
Std Dev 1.203

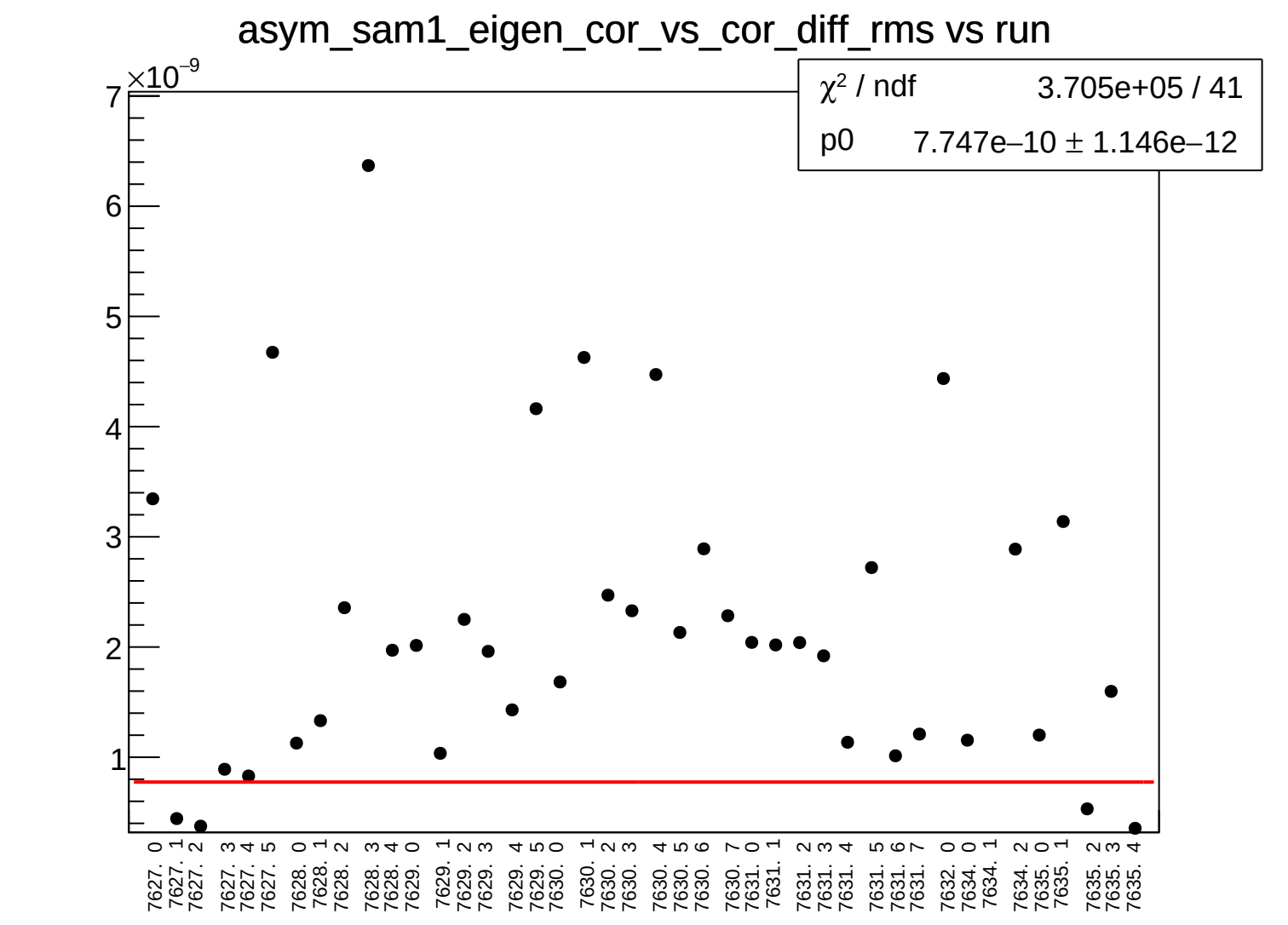

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.567e+04 / 41
p0 143.7 ± 0.1646
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

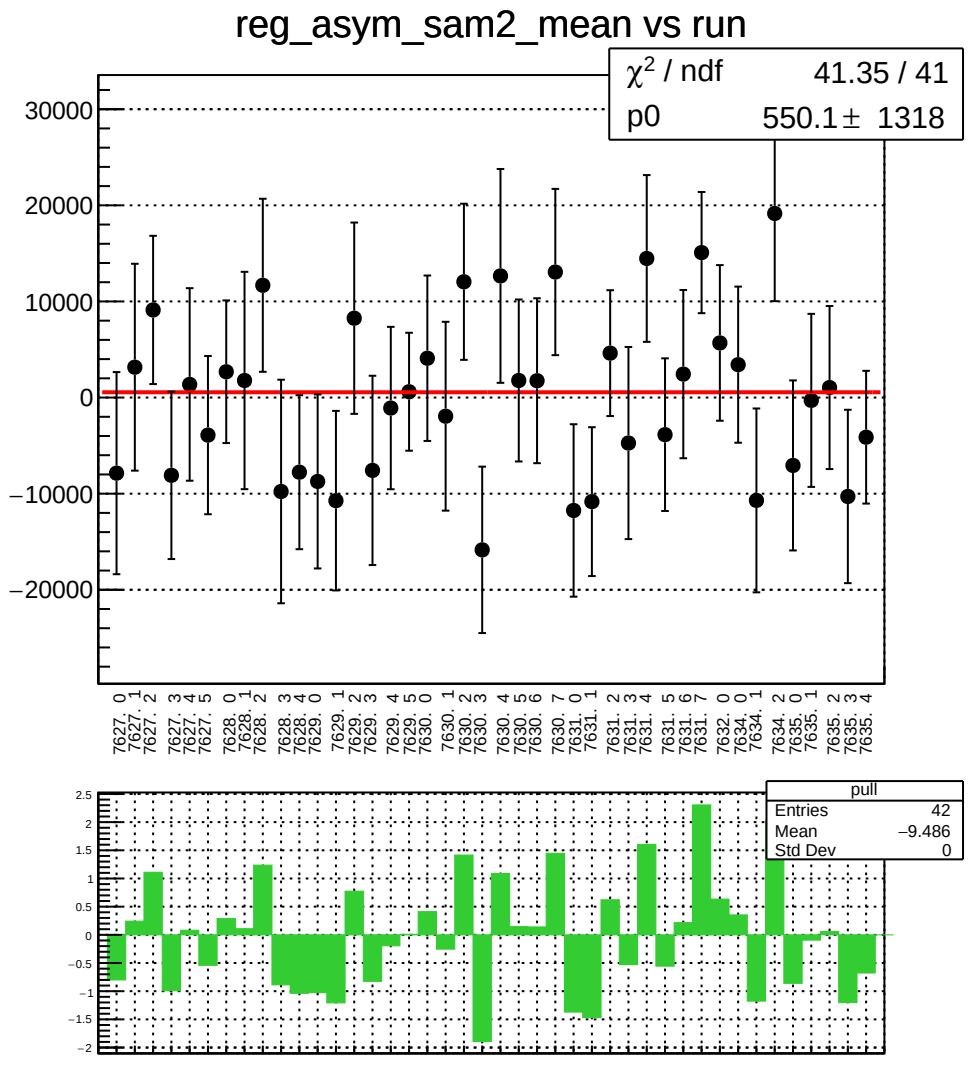

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.92 / 41
p0 0.1513 ± 0.2328
pull
Entries 42
Mean 52.53
Std Dev 0

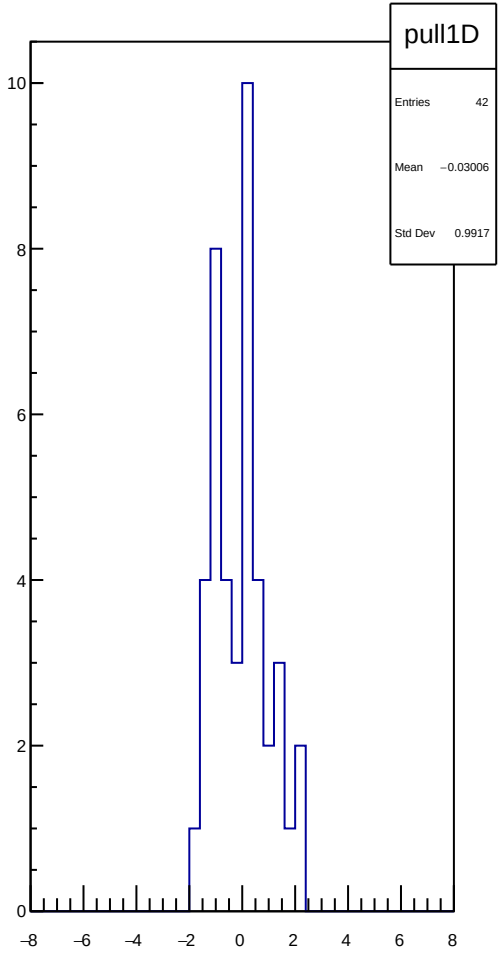

pull1D
Entries 42
Mean 0.04778
Std Dev 1.203

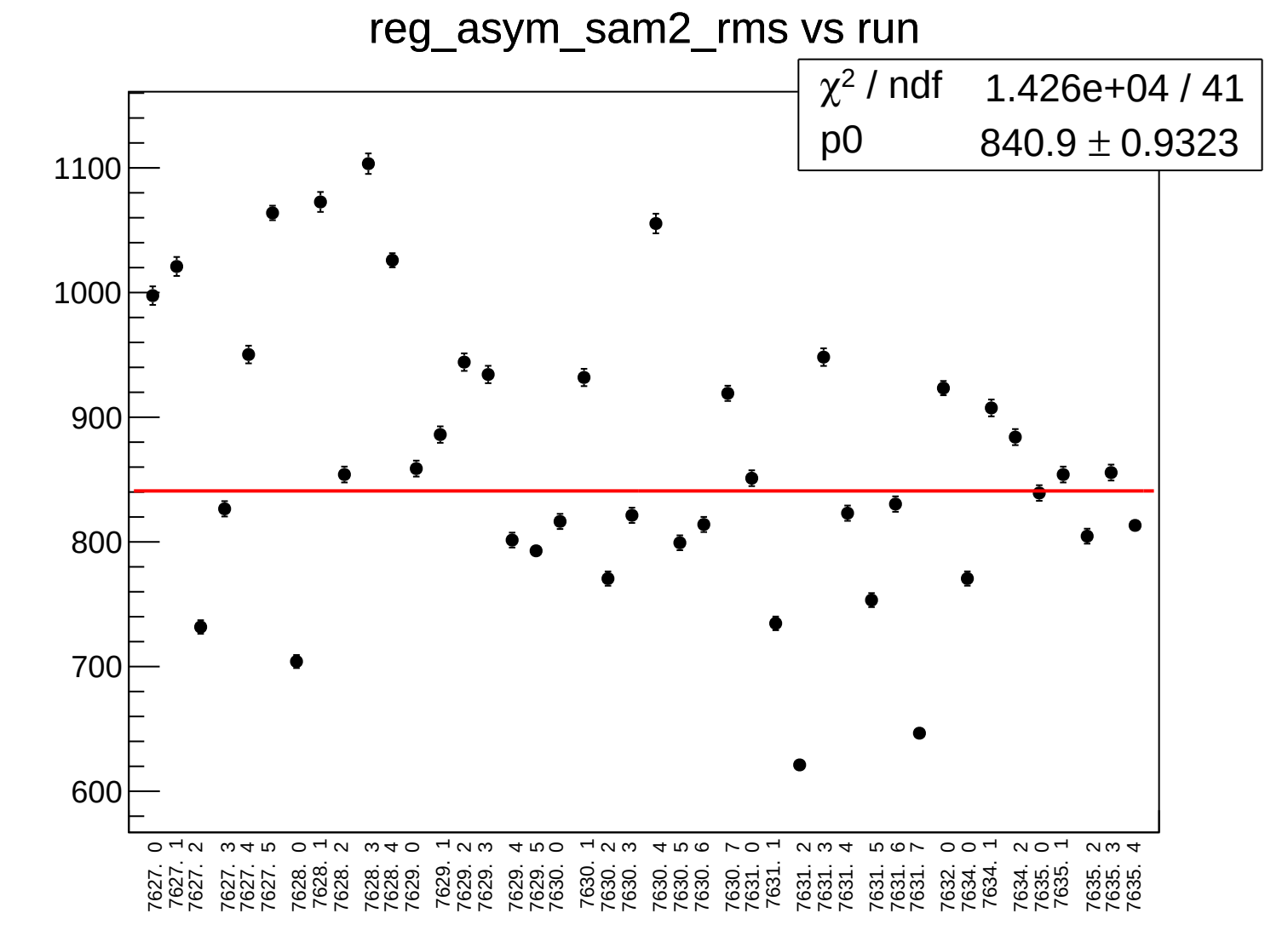

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.567e+04 / 41
p0 143.7 ± 0.1646
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

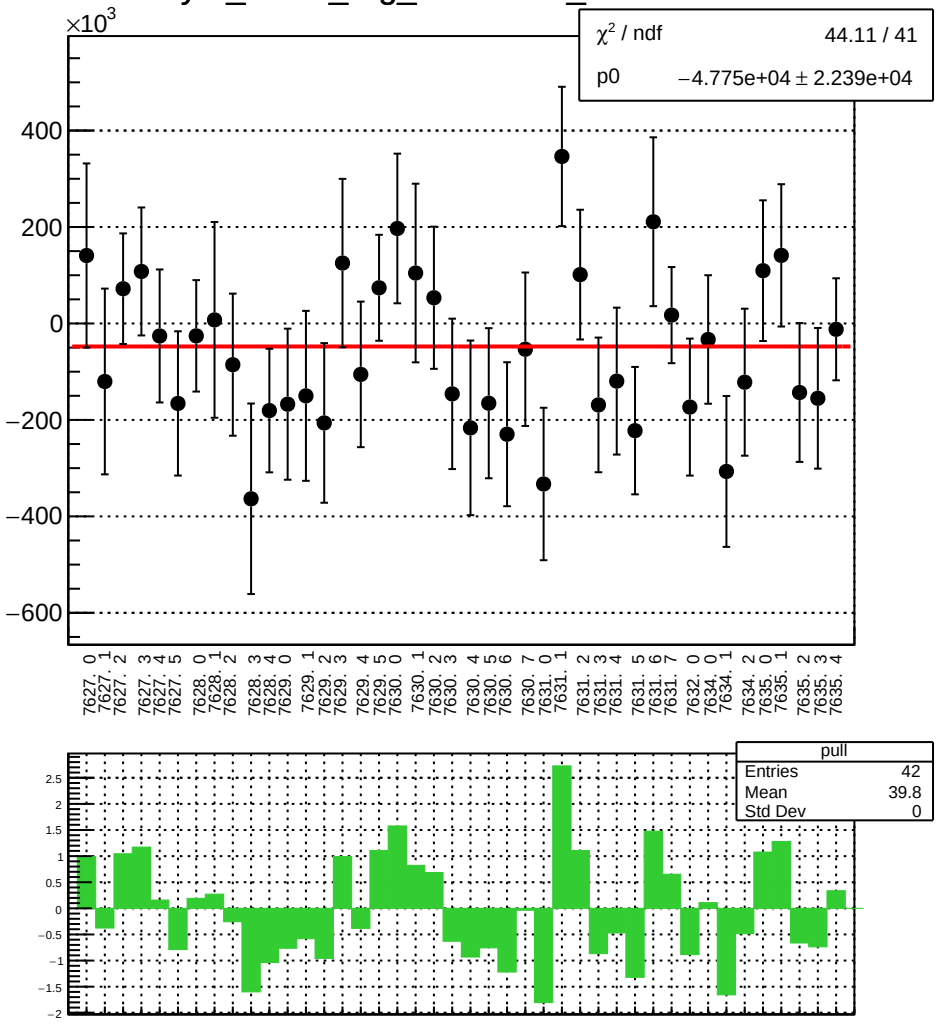

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 50.13 / 41
p0 8.388e−13 ± 1.62e−12
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 130.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.03846
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

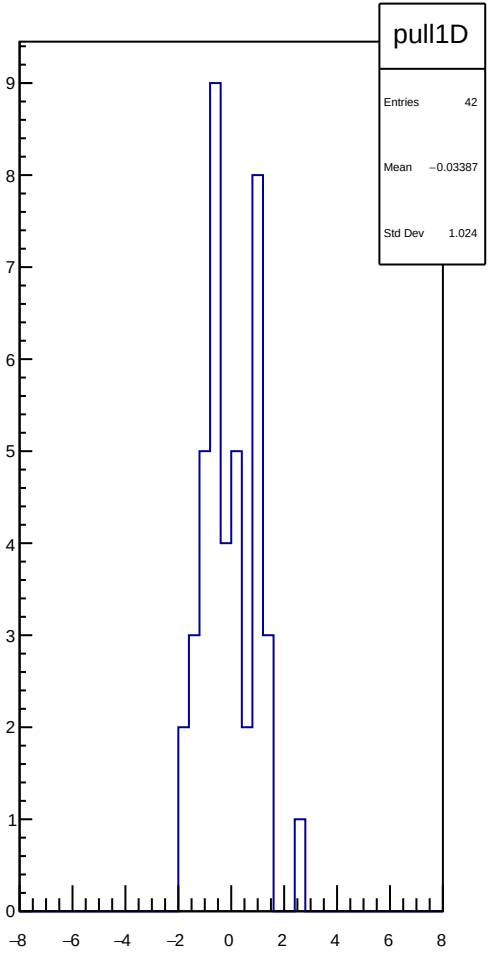

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.705e+05 / 41
p0 7.747e−10 ± 1.146e−12
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

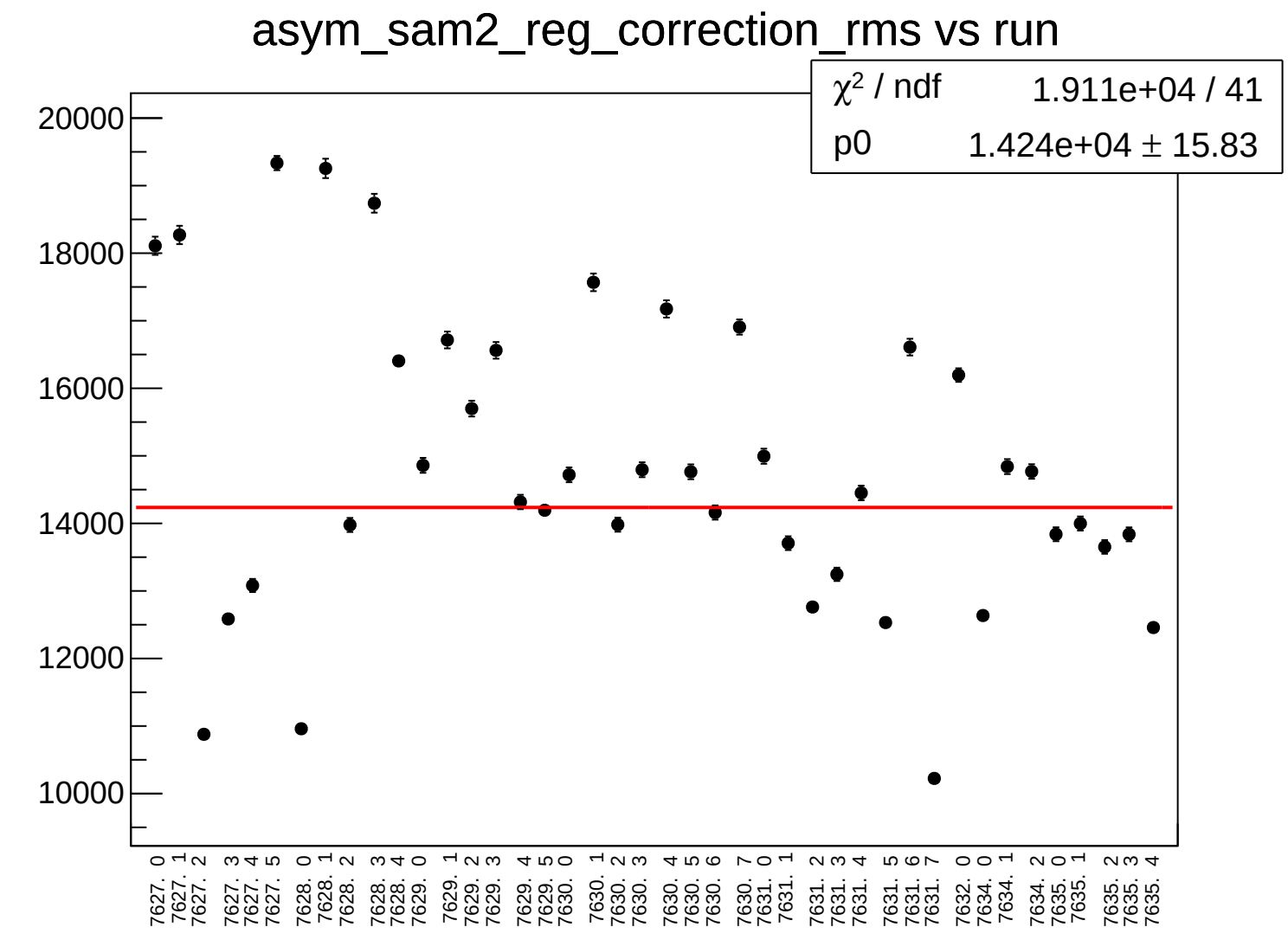

reg_asym_sam2_mean vs run
χ² / ndf 41.35 / 41
p0 550.1 ± 1318
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.486
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

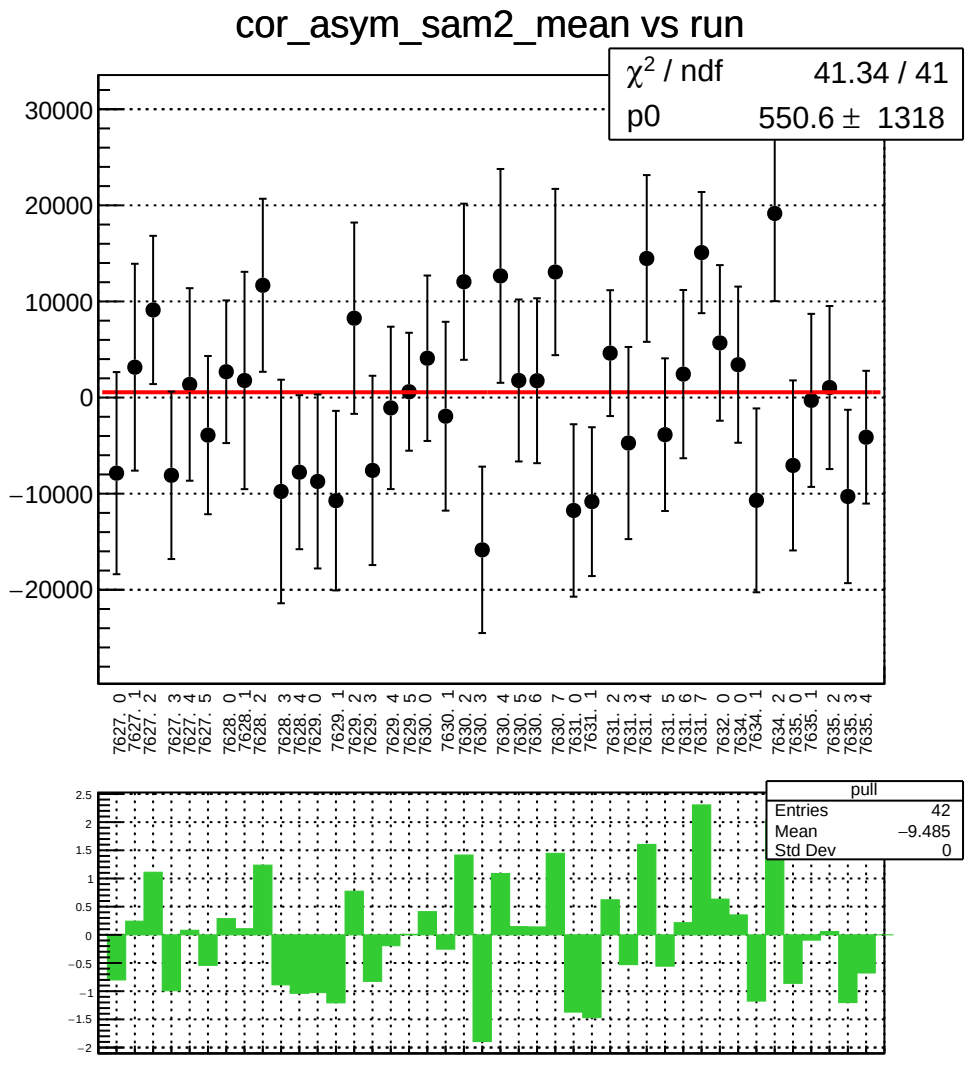

pull1D
Entries 42
Mean −0.03006
Std Dev 0.9917
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

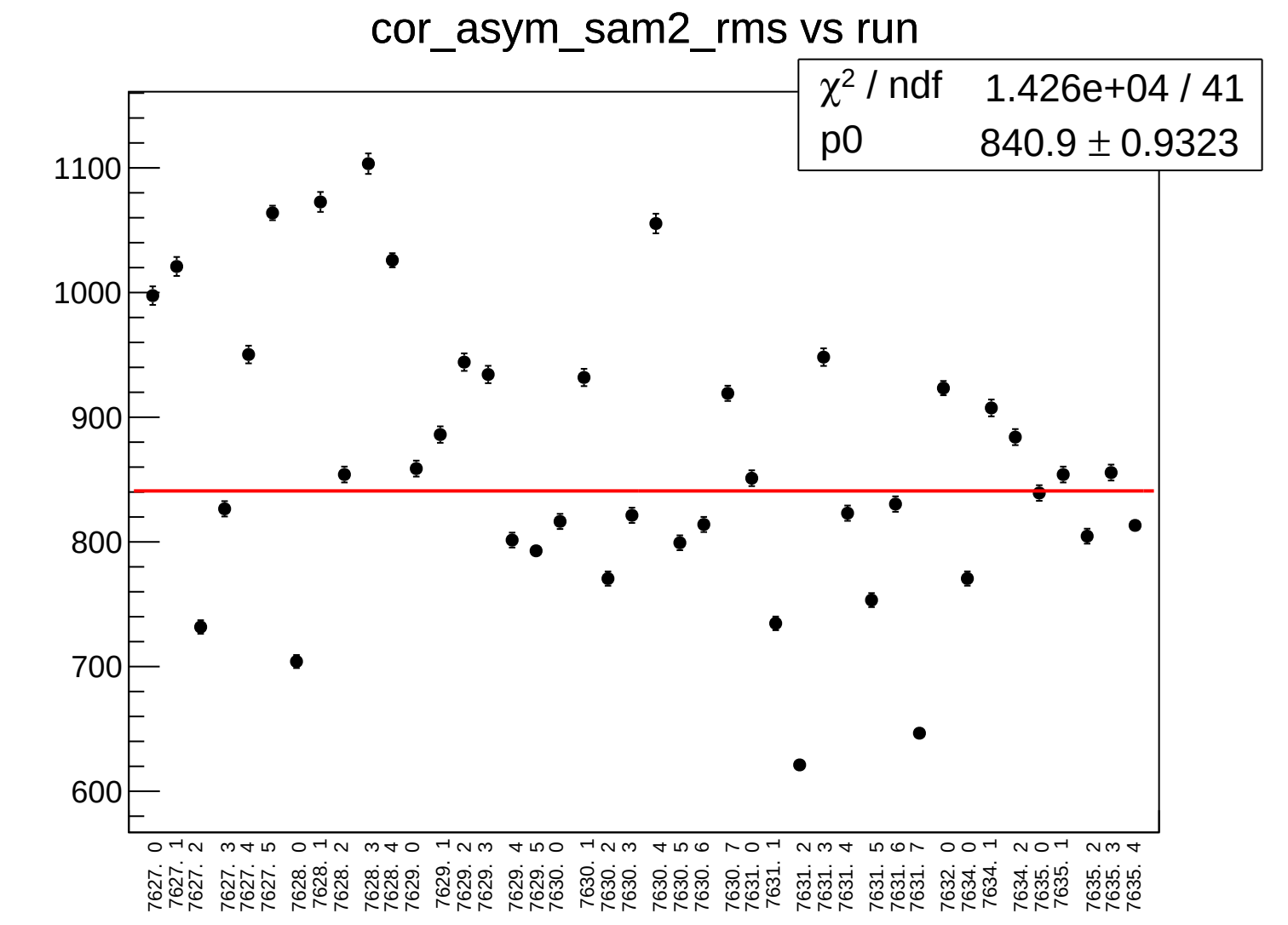

reg_asym_sam2_rms vs run
χ² / ndf 1.426e+04 / 41
p0 840.9 ± 0.9323
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

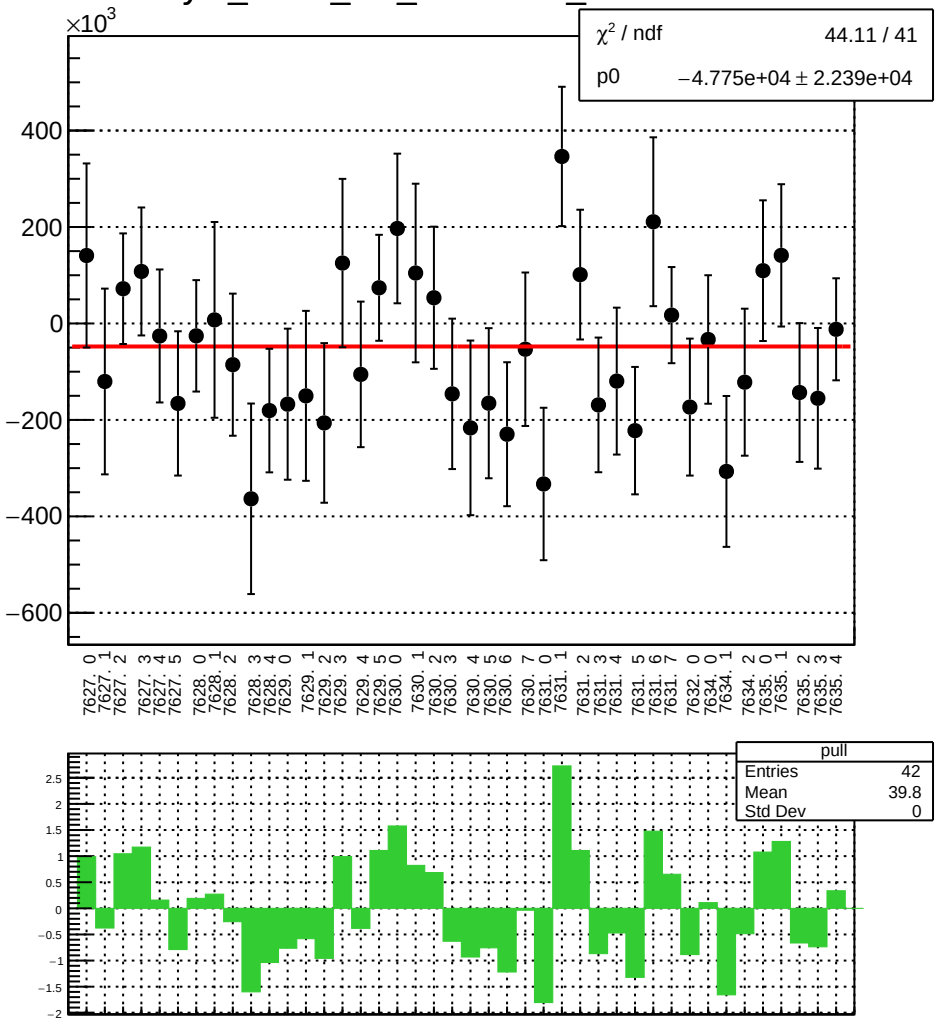

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 44.11 / 41
p0 −4.775e+04 ± 2.239e+04
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 39.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

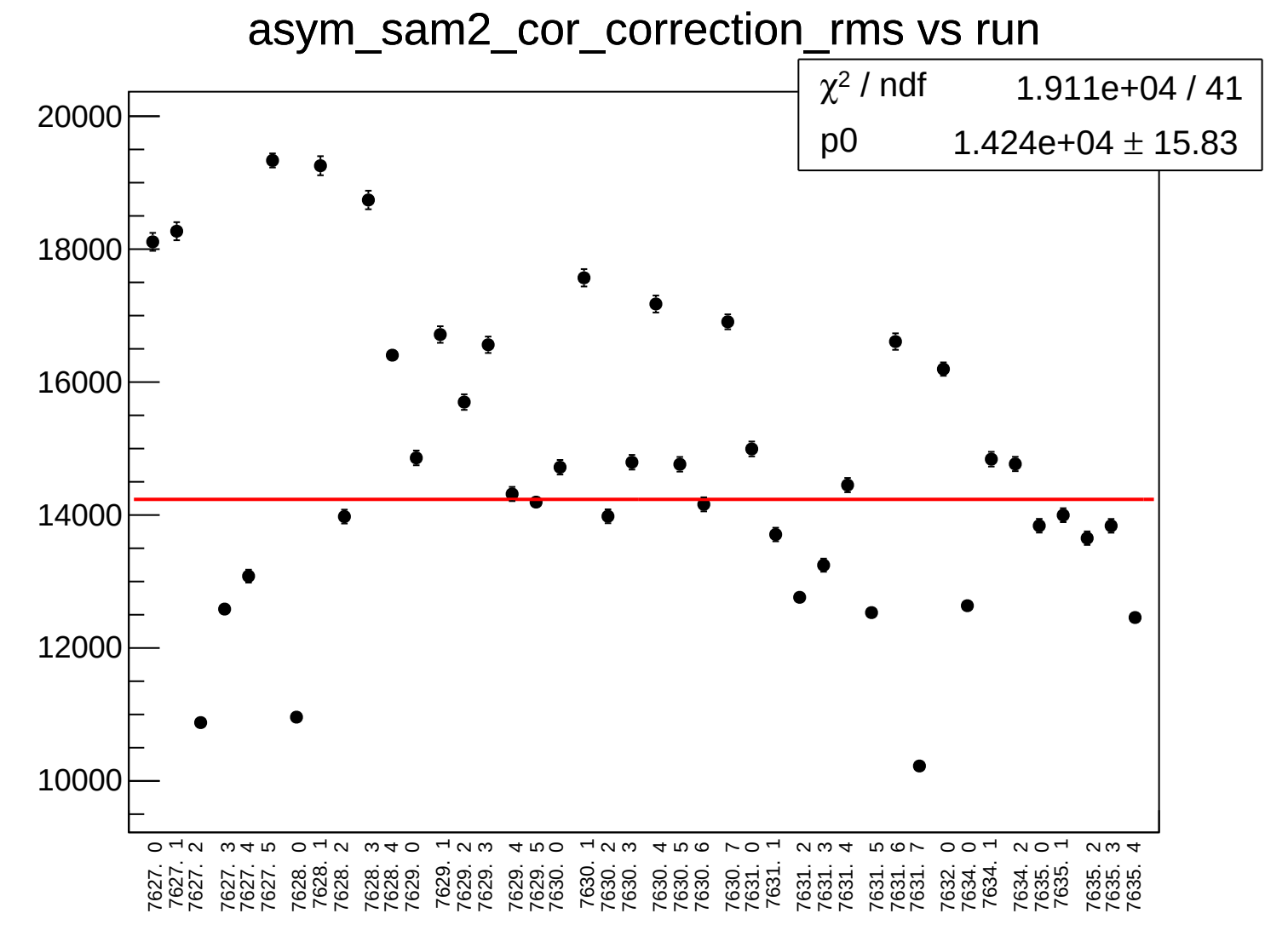

pull1D
Entries 42
Mean −0.03387
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

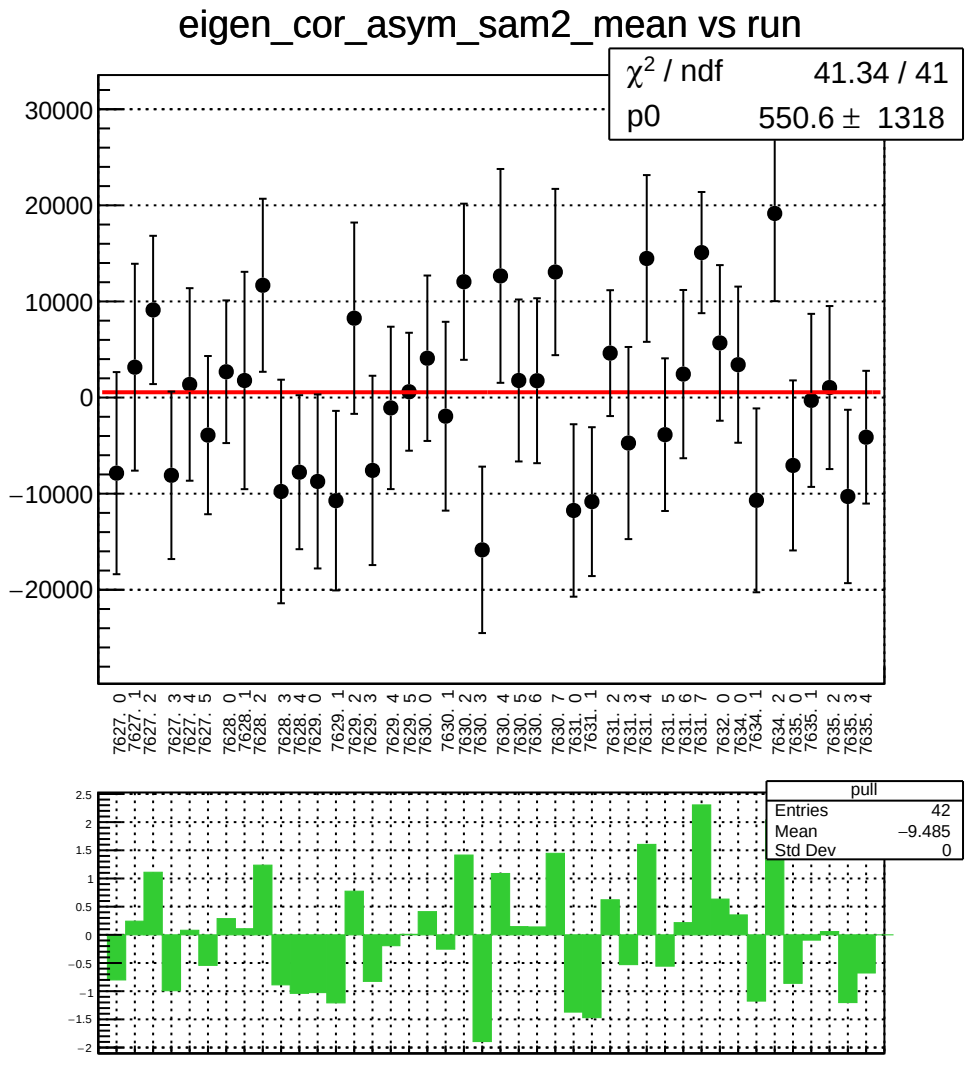

asym_sam2_reg_correction_rms vs run
χ² / ndf 1.911e+04 / 41
p0 1.424e+04 ± 15.83
20000
18000
16000
14000
12000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

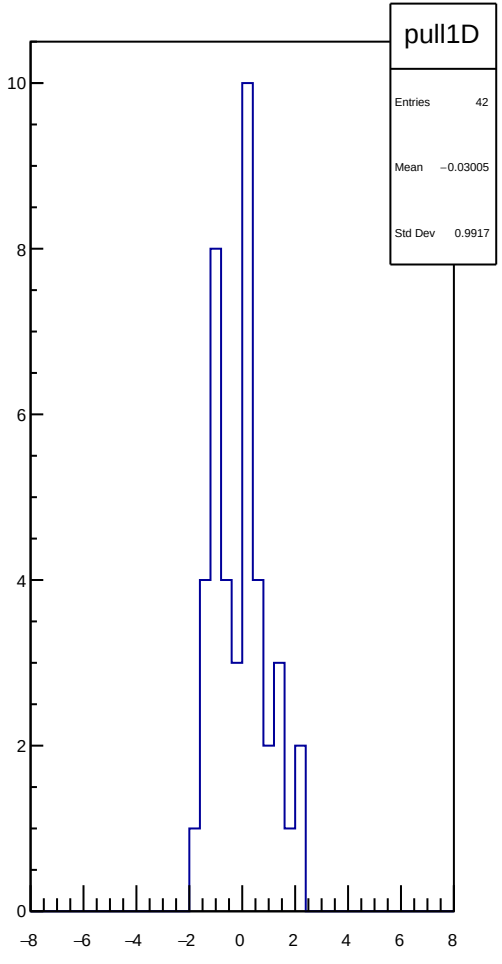

cor_asym_sam2_mean vs run
χ² / ndf 41.34 / 41
p0 550.6 ± 1318
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.485
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03005
Std Dev 0.9917
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

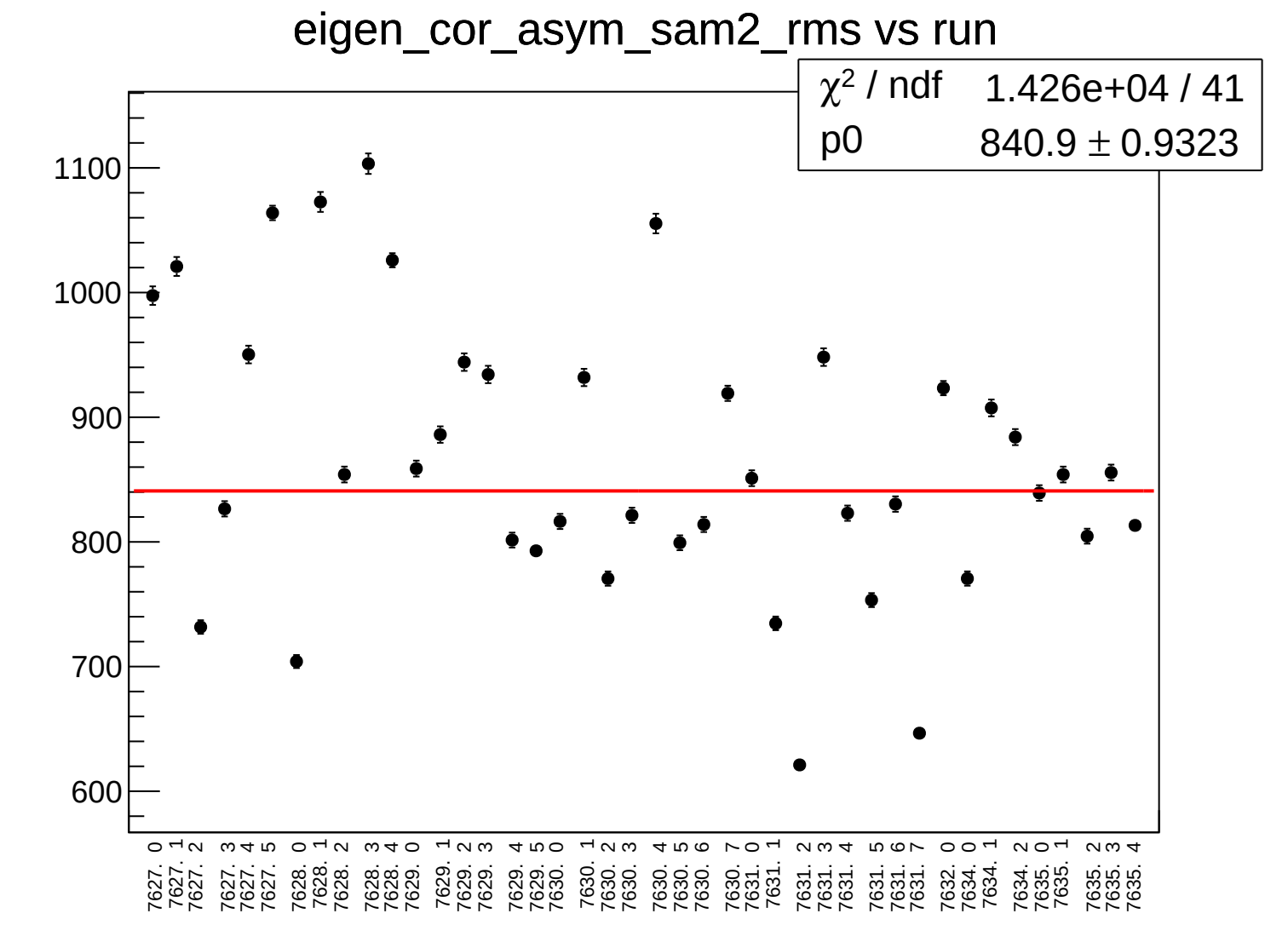

cor_asym_sam2_rms vs run
χ² / ndf 1.426e+04 / 41
p0 840.9 ± 0.9323
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

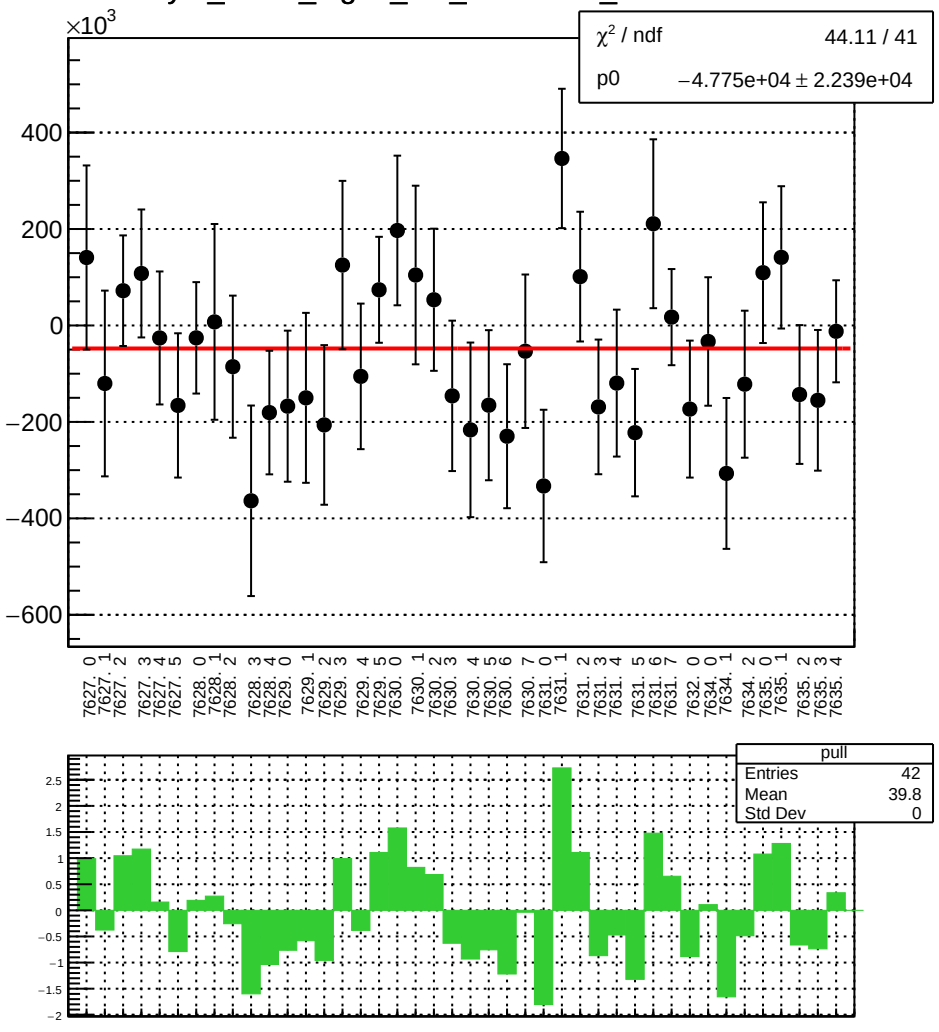

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 44.11 / 41
p0 −4.775e+04 ± 2.239e+04
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 39.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03387
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

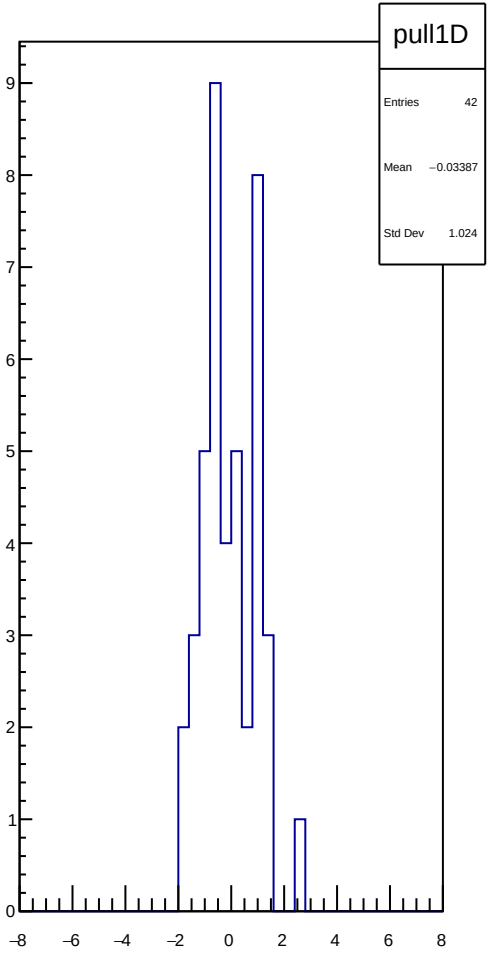

asym_sam2_cor_correction_rms vs run
χ² / ndf 1.911e+04 / 41
p0 1.424e+04 ± 15.83
20000
18000
16000
14000
12000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

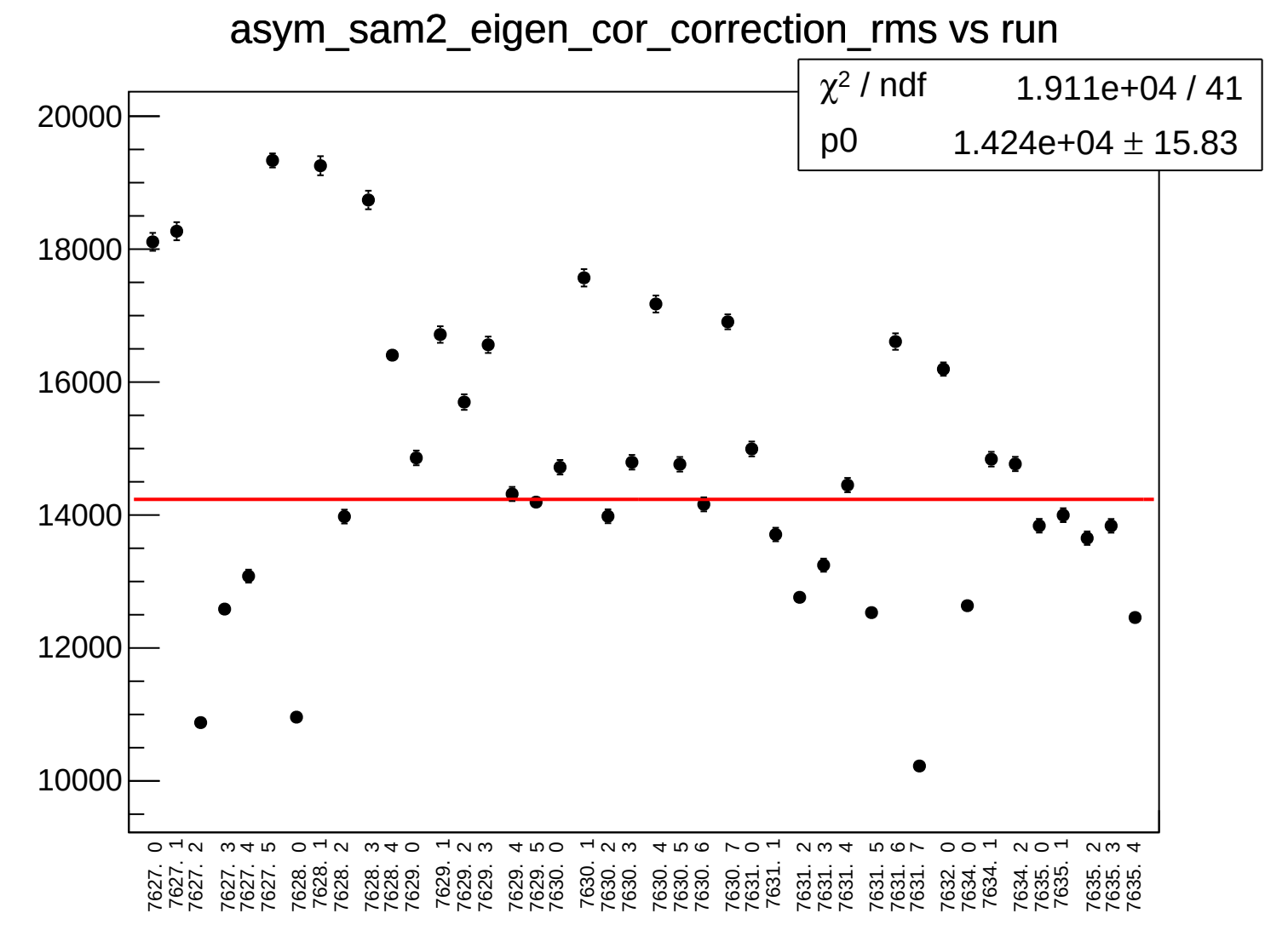

eigen_cor_asym_sam2_mean vs run
χ² / ndf 41.34 / 41
p0 550.6 ± 1318
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.485
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

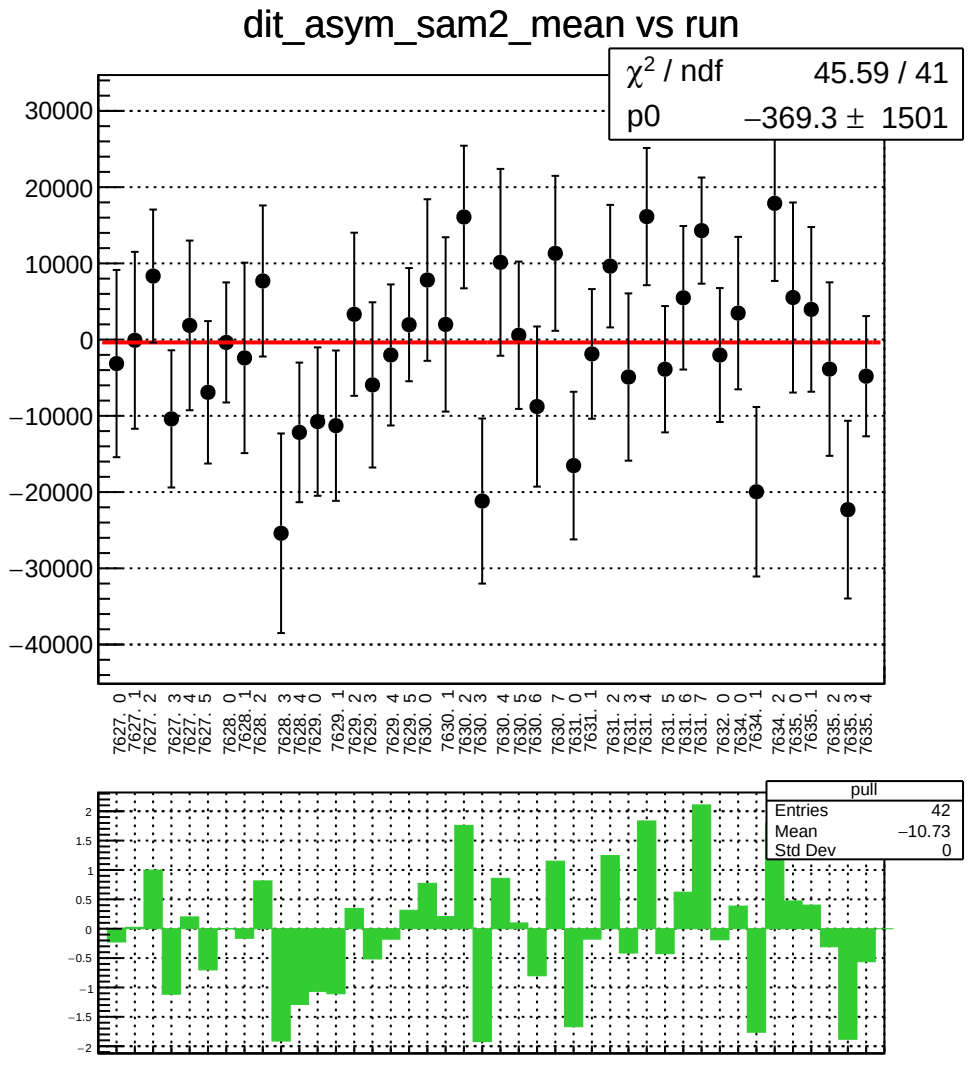

pull1D
Entries 42
Mean −0.03005
Std Dev 0.9917
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

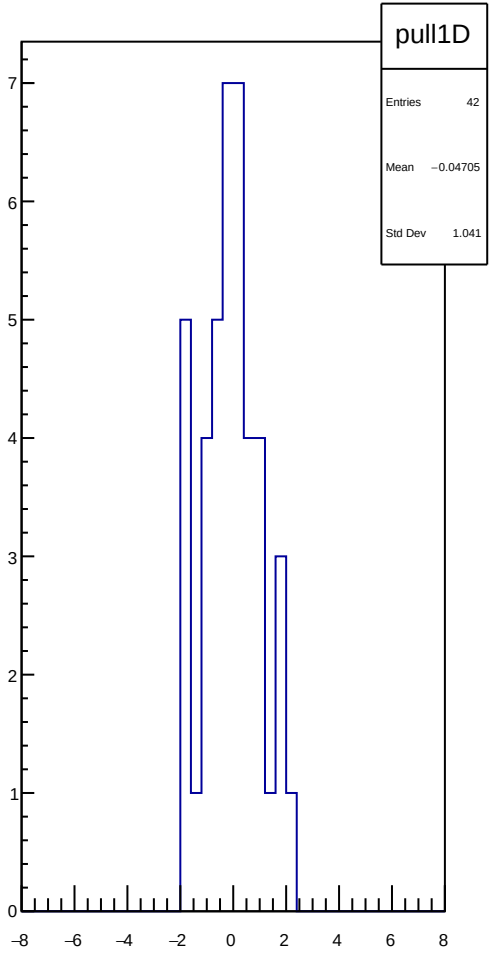

eigen_cor_asym_sam2_rms vs run
χ² / ndf 1.426e+04 / 41
p0 840.9 ± 0.9323
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

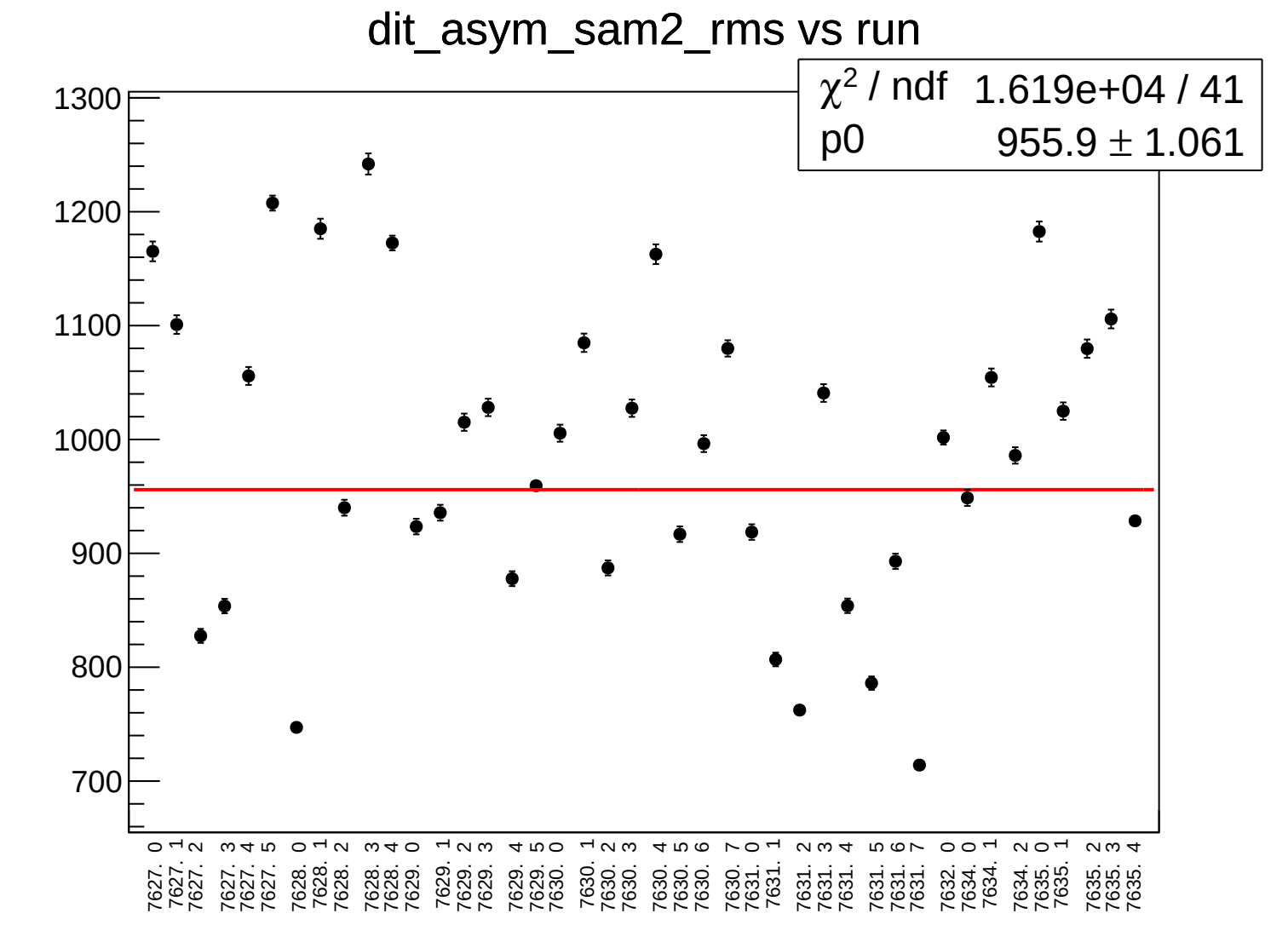

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.11 / 41
p0 −4.775e+04 ± 2.239e+04
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 39.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

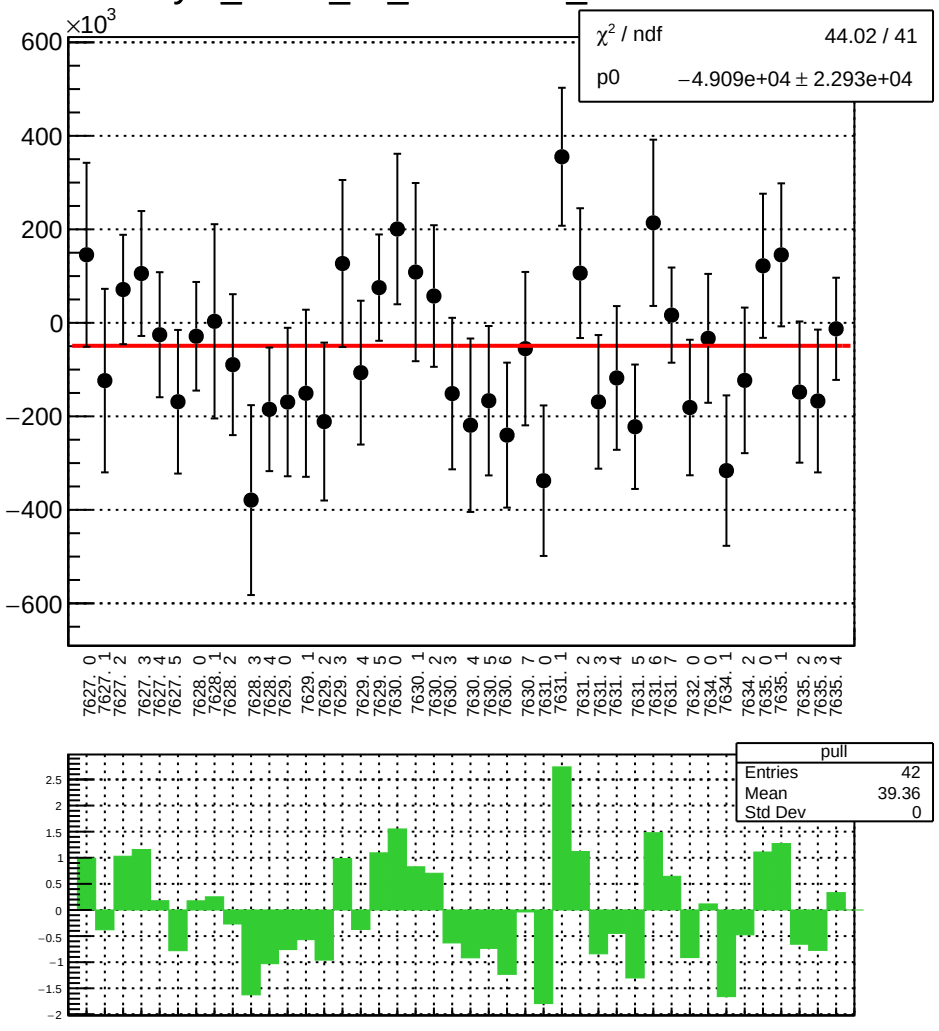

pull1D
Entries 42
Mean −0.03387
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

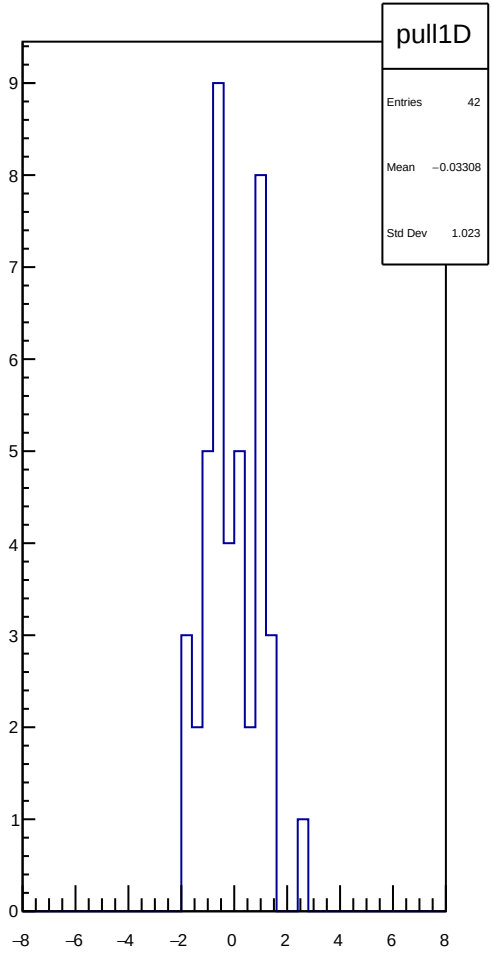

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 1.911e+04 / 41
p0 1.424e+04 ± 15.83
20000
18000
16000
14000
12000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

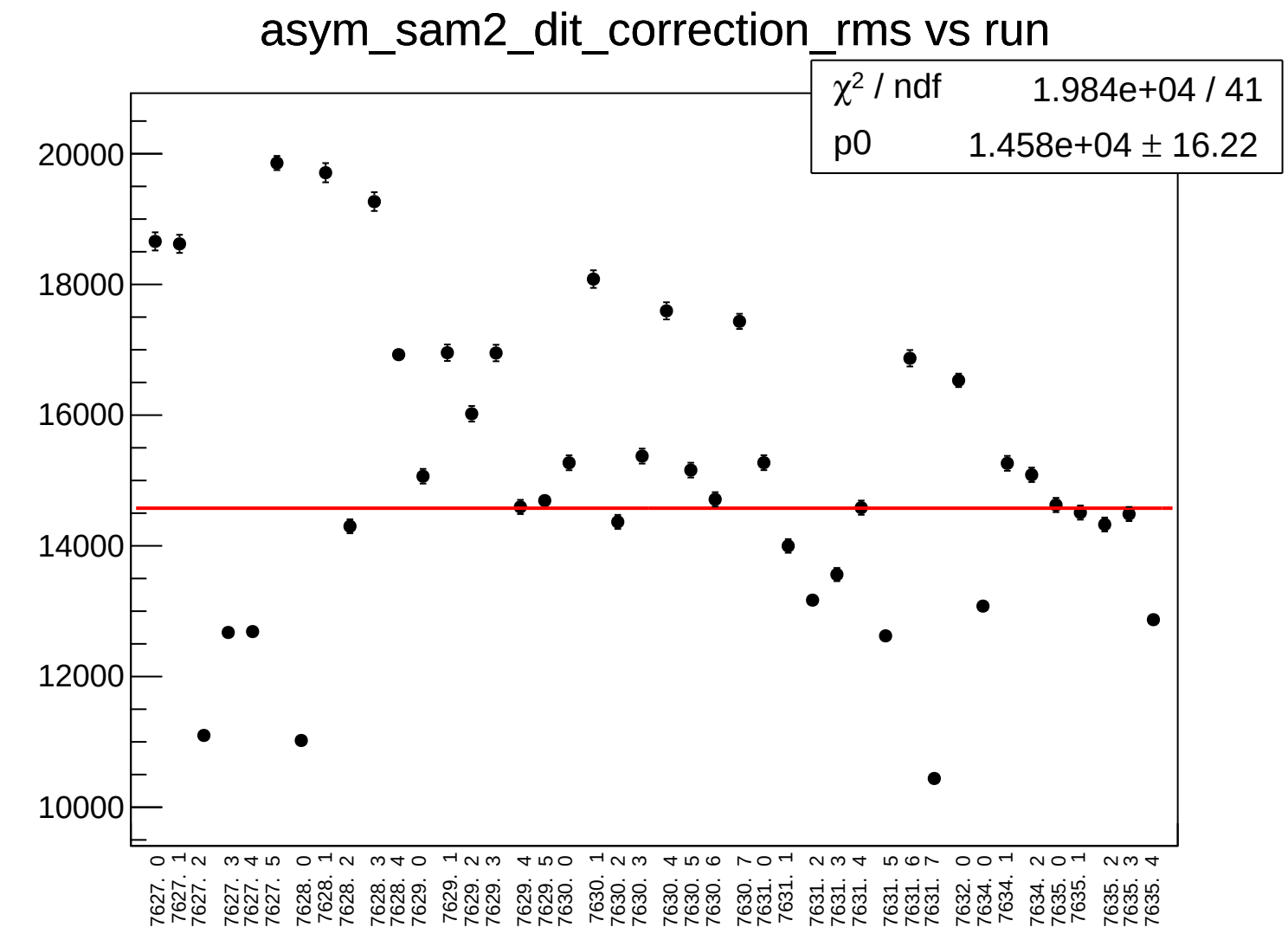

dit_asym_sam2_mean vs run
χ² / ndf 45.59 / 41
p0 −369.3 ± 1501
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

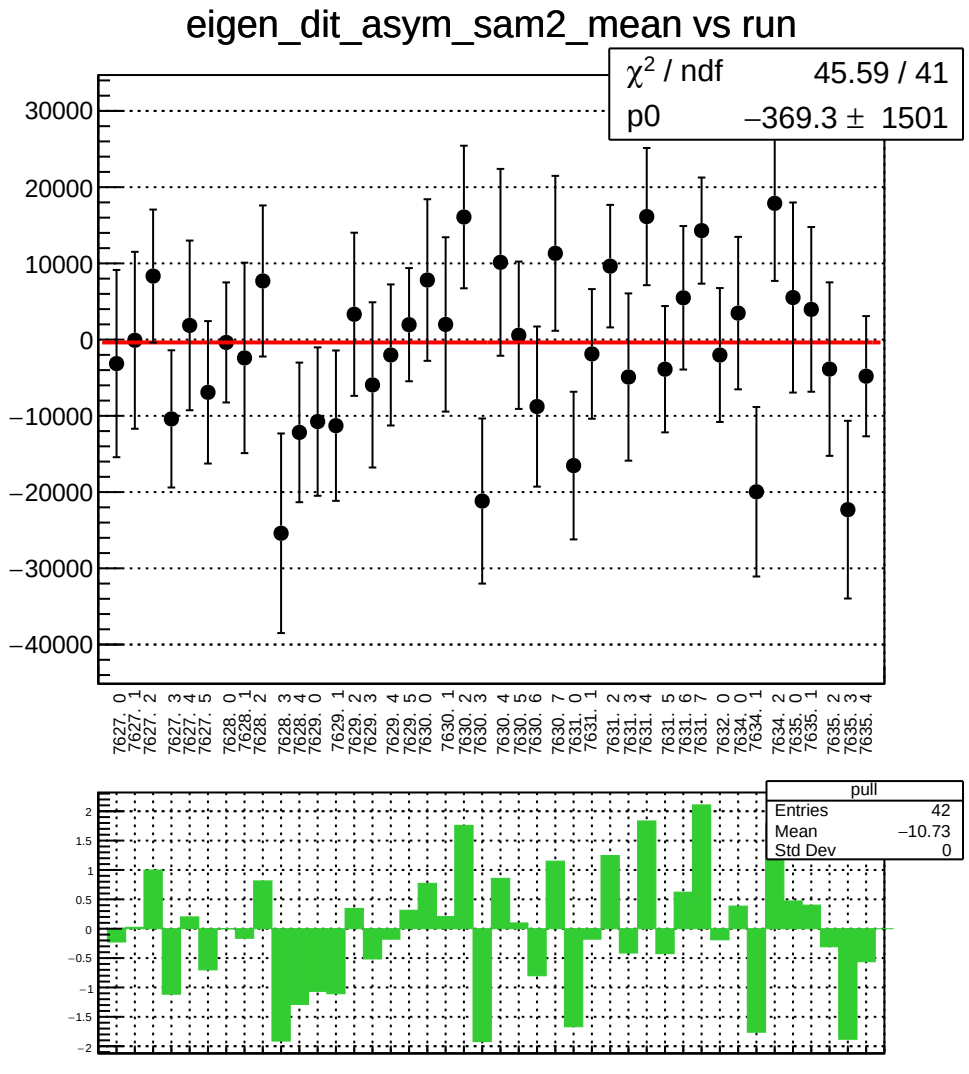

pull1D
Entries 42
Mean −0.04705
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

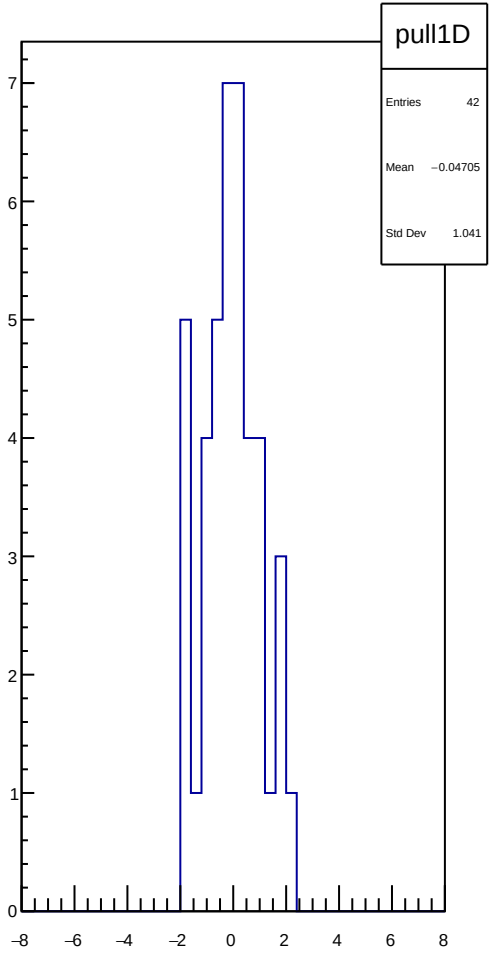

dit_asym_sam2_rms vs run
χ² / ndf 1.619e+04 / 41
p0 955.9 ± 1.061
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

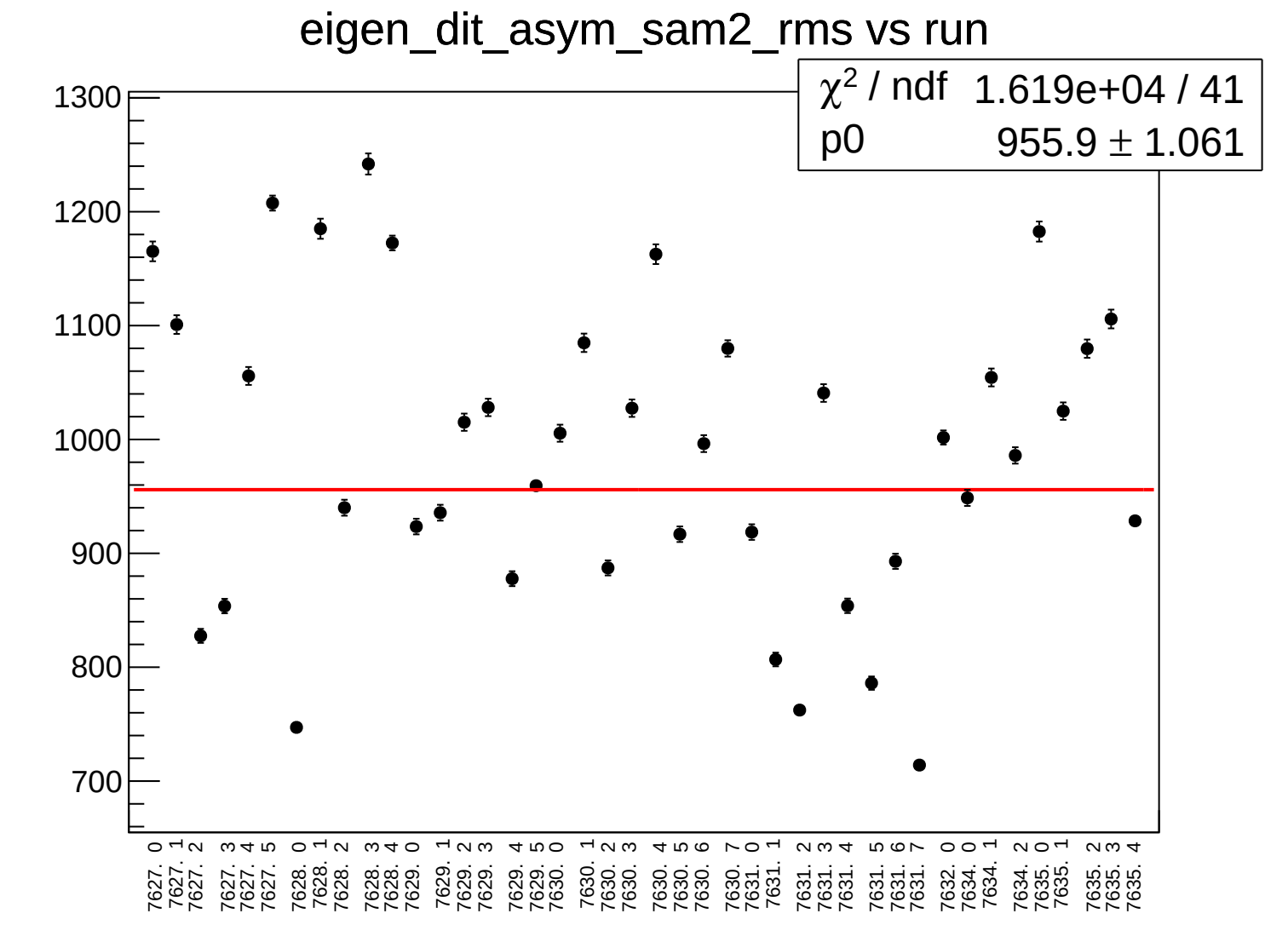

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 44.02 / 41
p0 −4.909e+04 ± 2.293e+04
pull
Entries 42
Mean 39.36
Std Dev 0

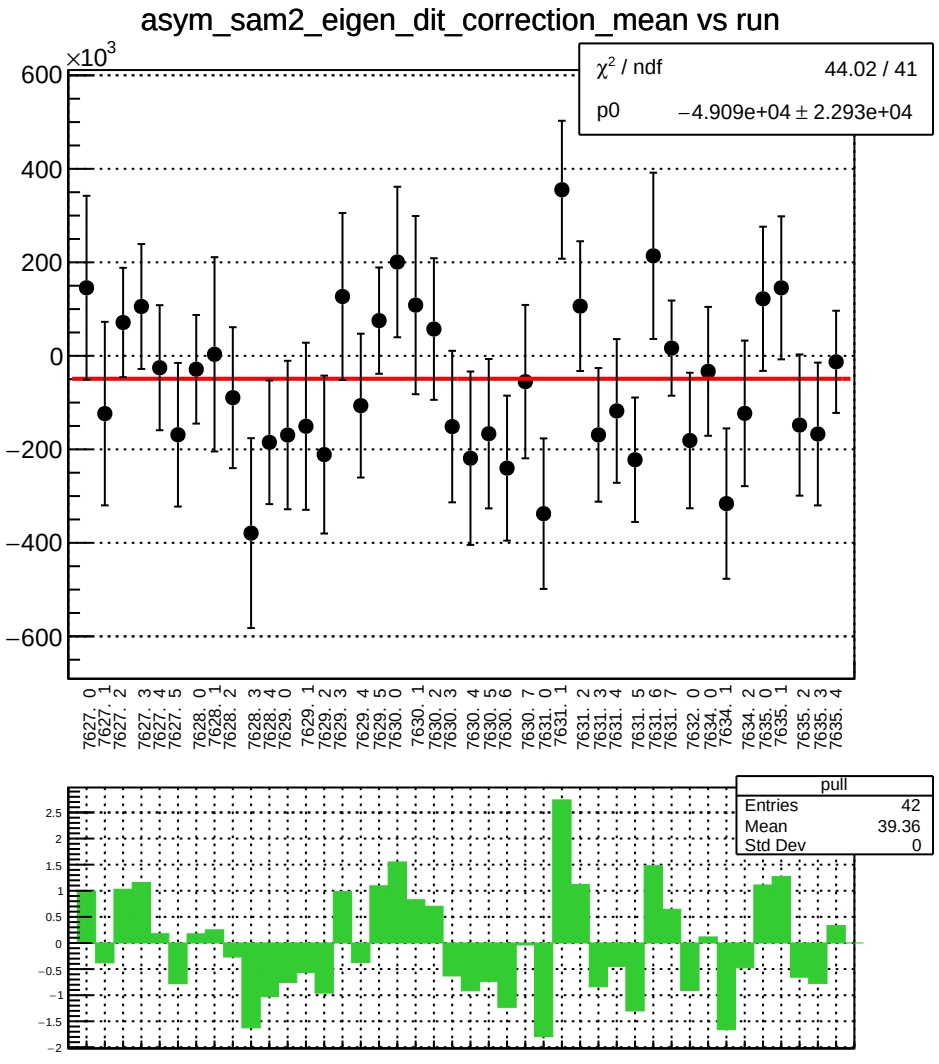

pull1D
Entries 42
Mean −0.03308
Std Dev 1.023

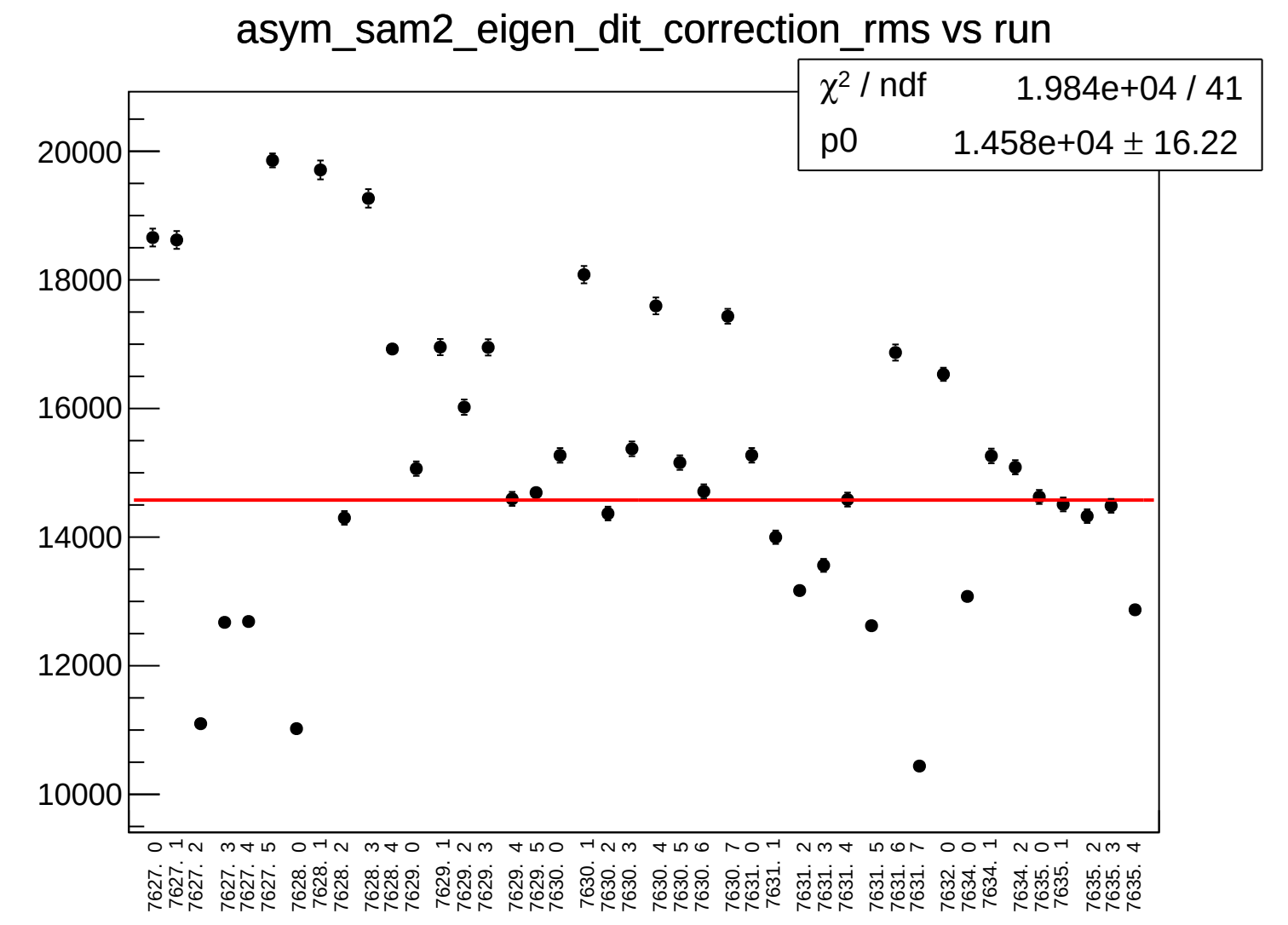

asym_sam2_dit_correction_rms vs run
χ² / ndf 1.984e+04 / 41
p0 1.458e+04 ± 16.22
20000
18000
16000
14000
12000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

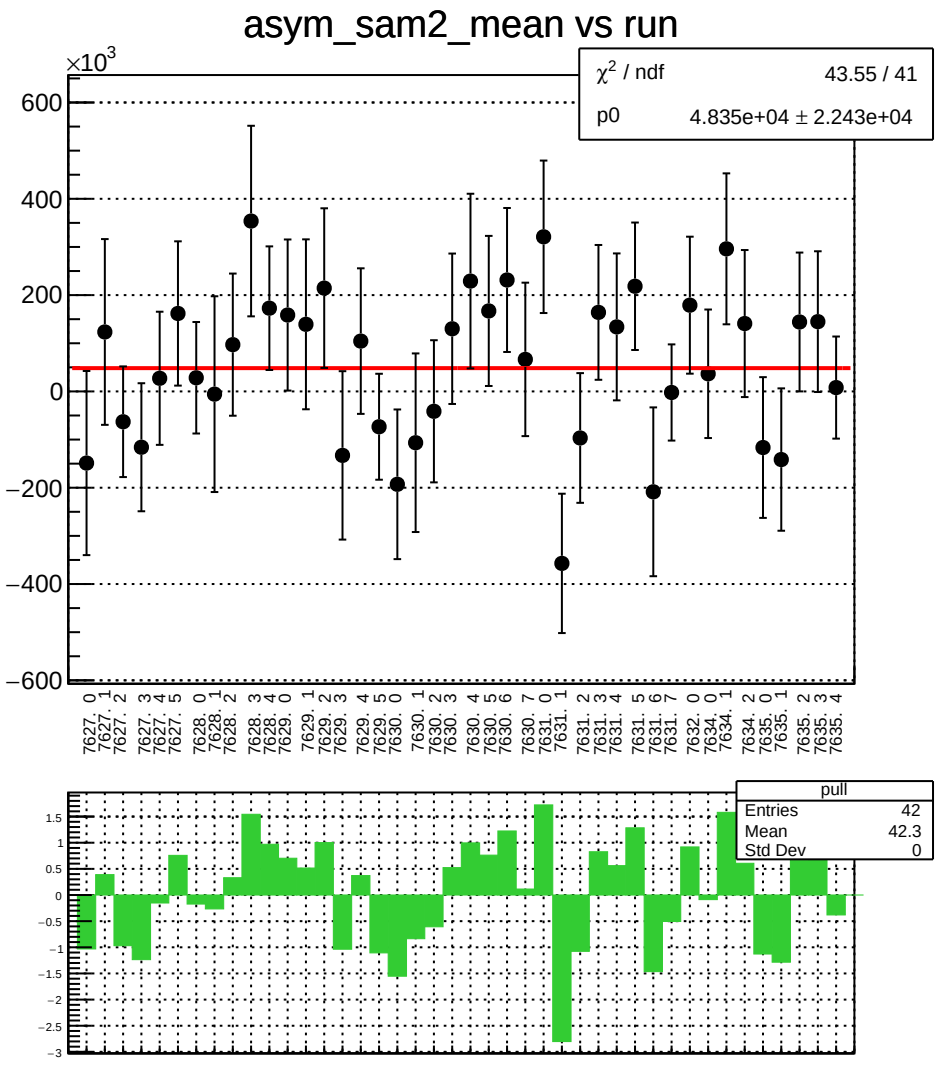

eigen_dit_asym_sam2_mean vs run
χ² / ndf 45.59 / 41
p0 −369.3 ± 1501
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

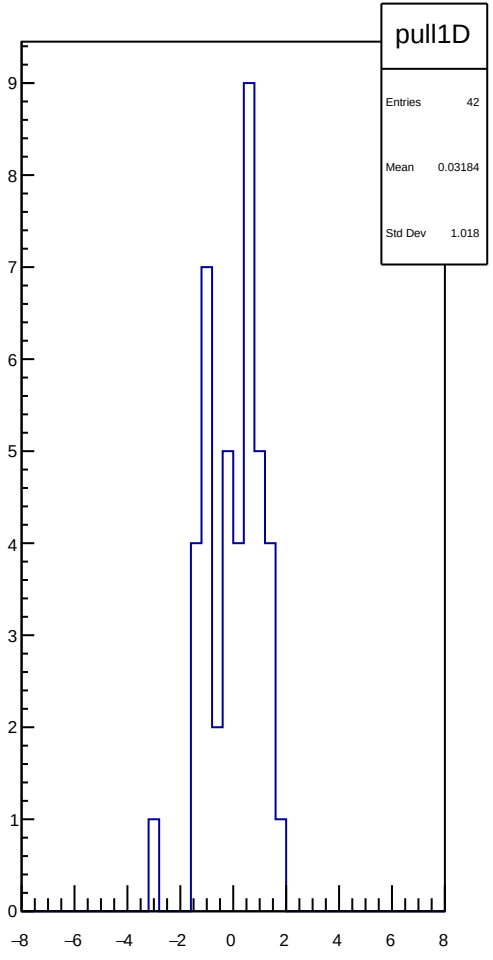

pull1D
Entries 42
Mean −0.04705
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

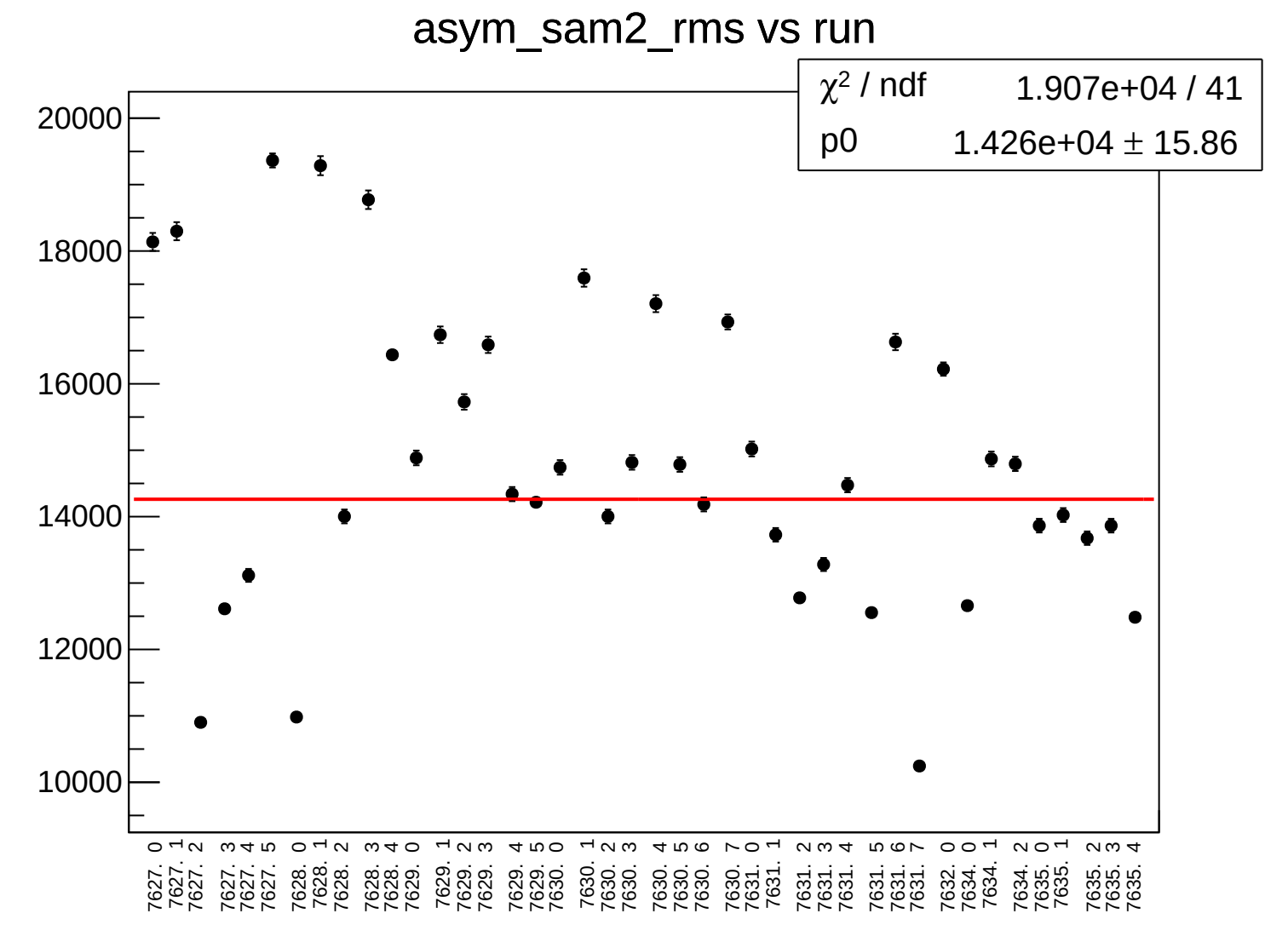

eigen_dit_asym_sam2_rms vs run
χ² / ndf 1.619e+04 / 41
p0 955.9 ± 1.061
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

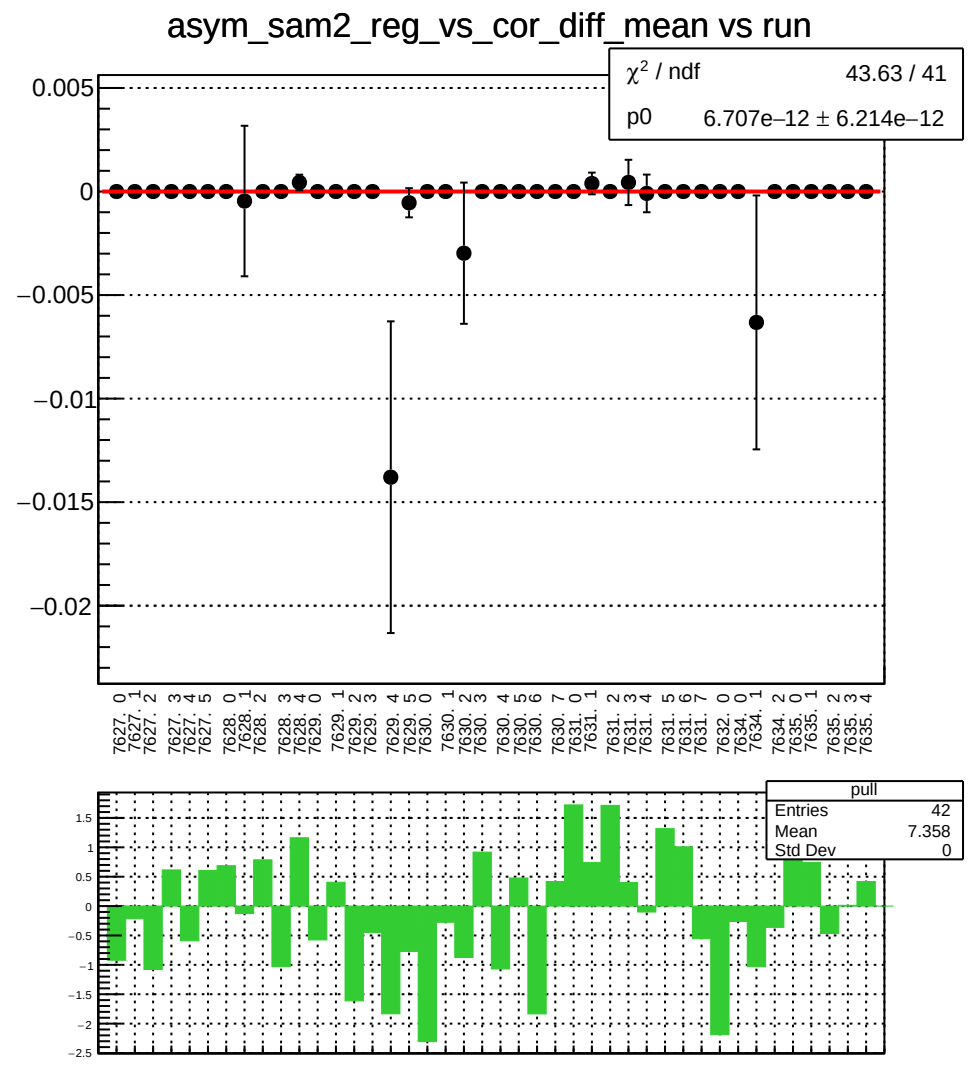

asym_sam2_eigen_dit_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 44.02 / 41
p0 −4.909e+04 ± 2.293e+04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 39.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03308
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

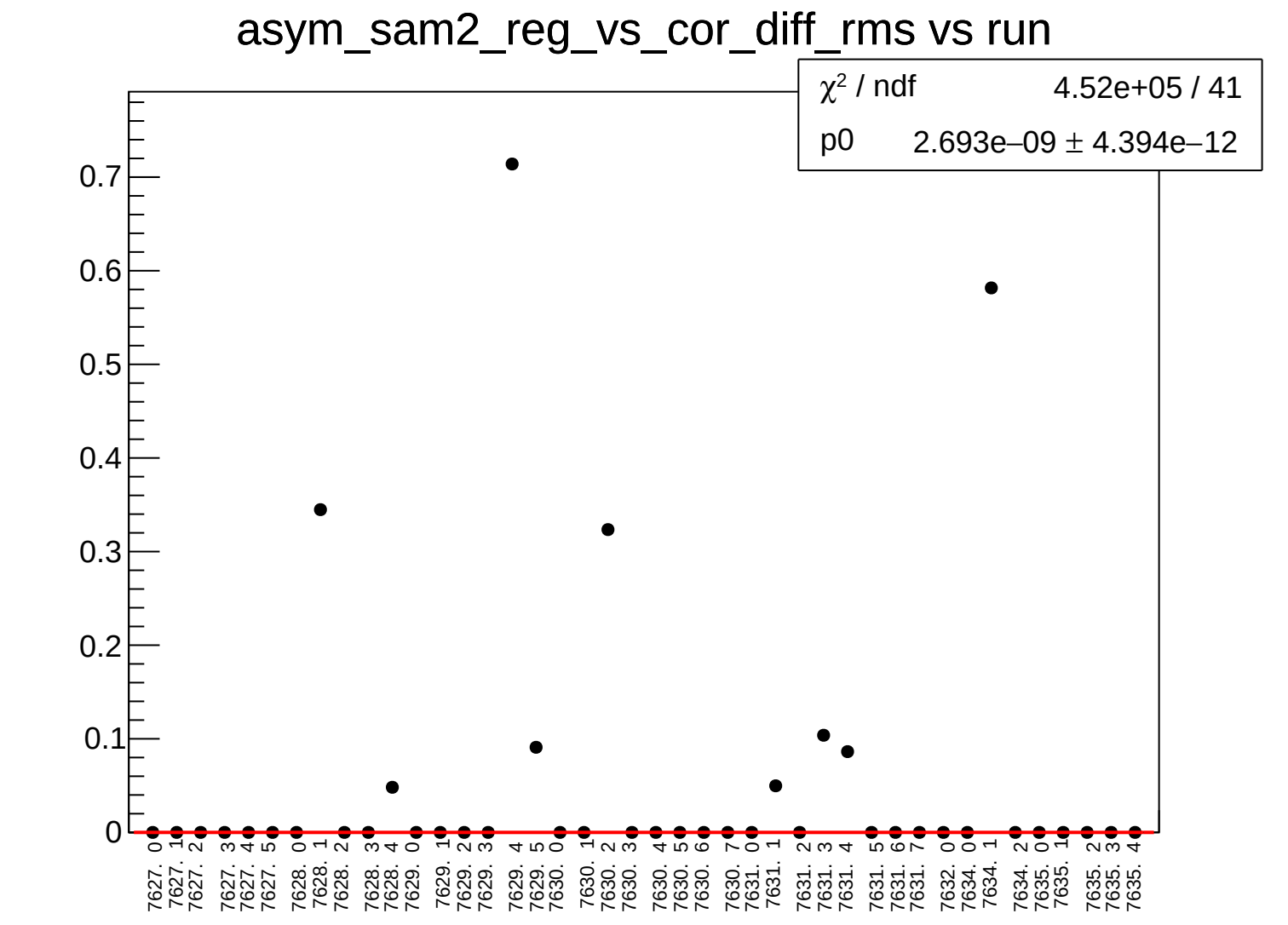

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 1.984e+04 / 41
p0 1.458e+04 ± 16.22
20000
18000
16000
14000
12000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

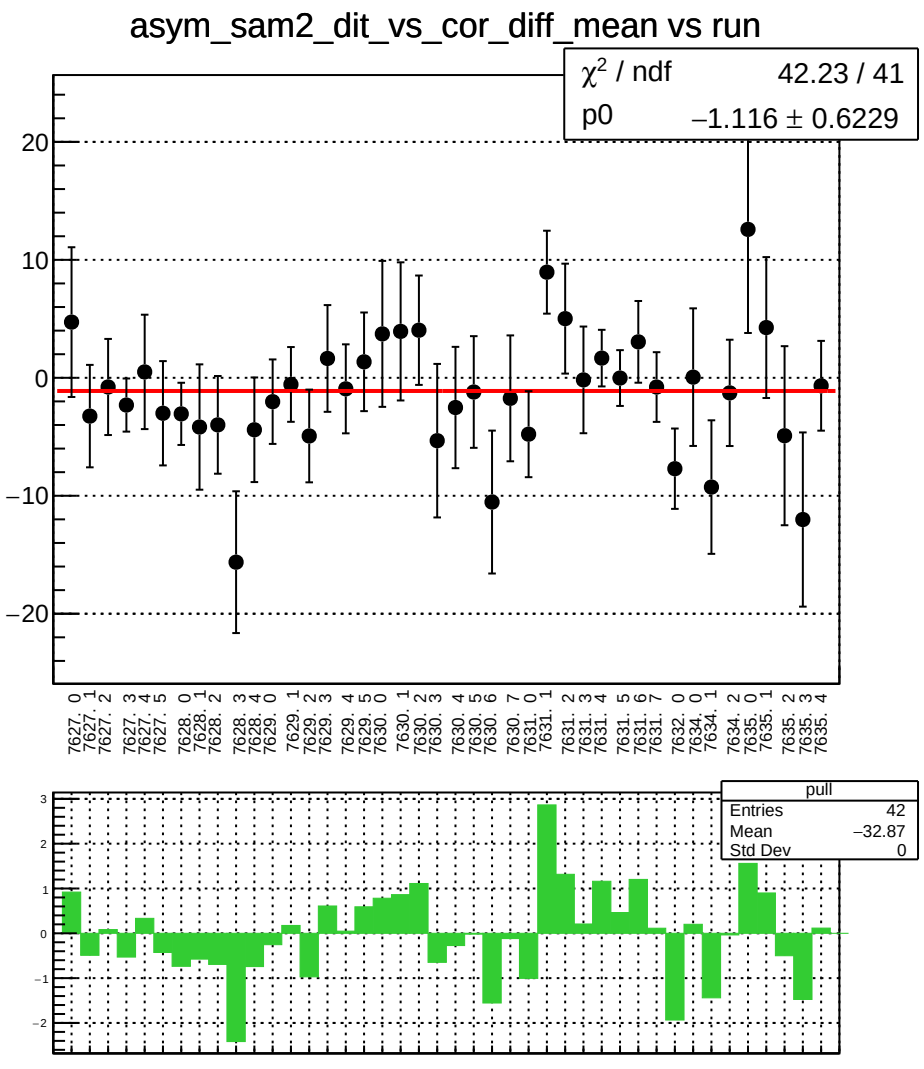

asym_sam2_mean vs run
×10^3
χ² / ndf 43.55 / 41
p0 4.835e+04 ± 2.243e+04
600
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 42.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

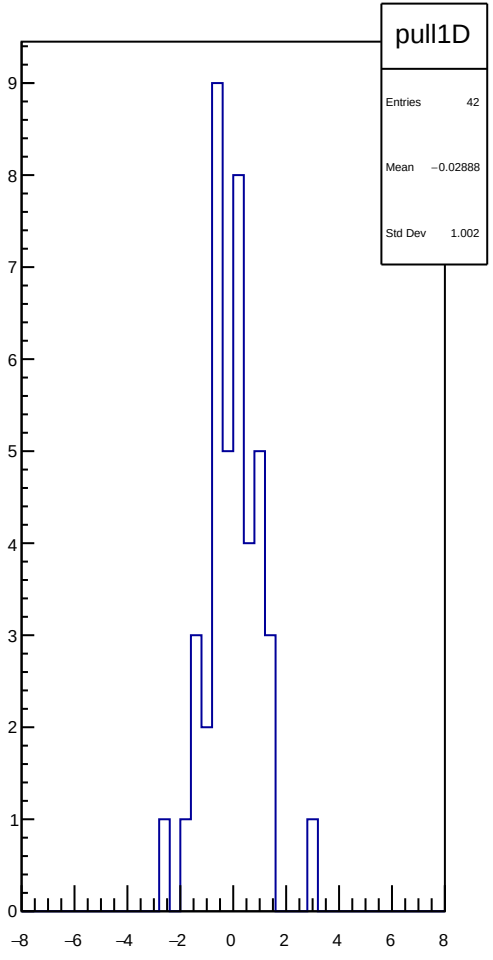

pull1D
Entries 42
Mean 0.03184
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

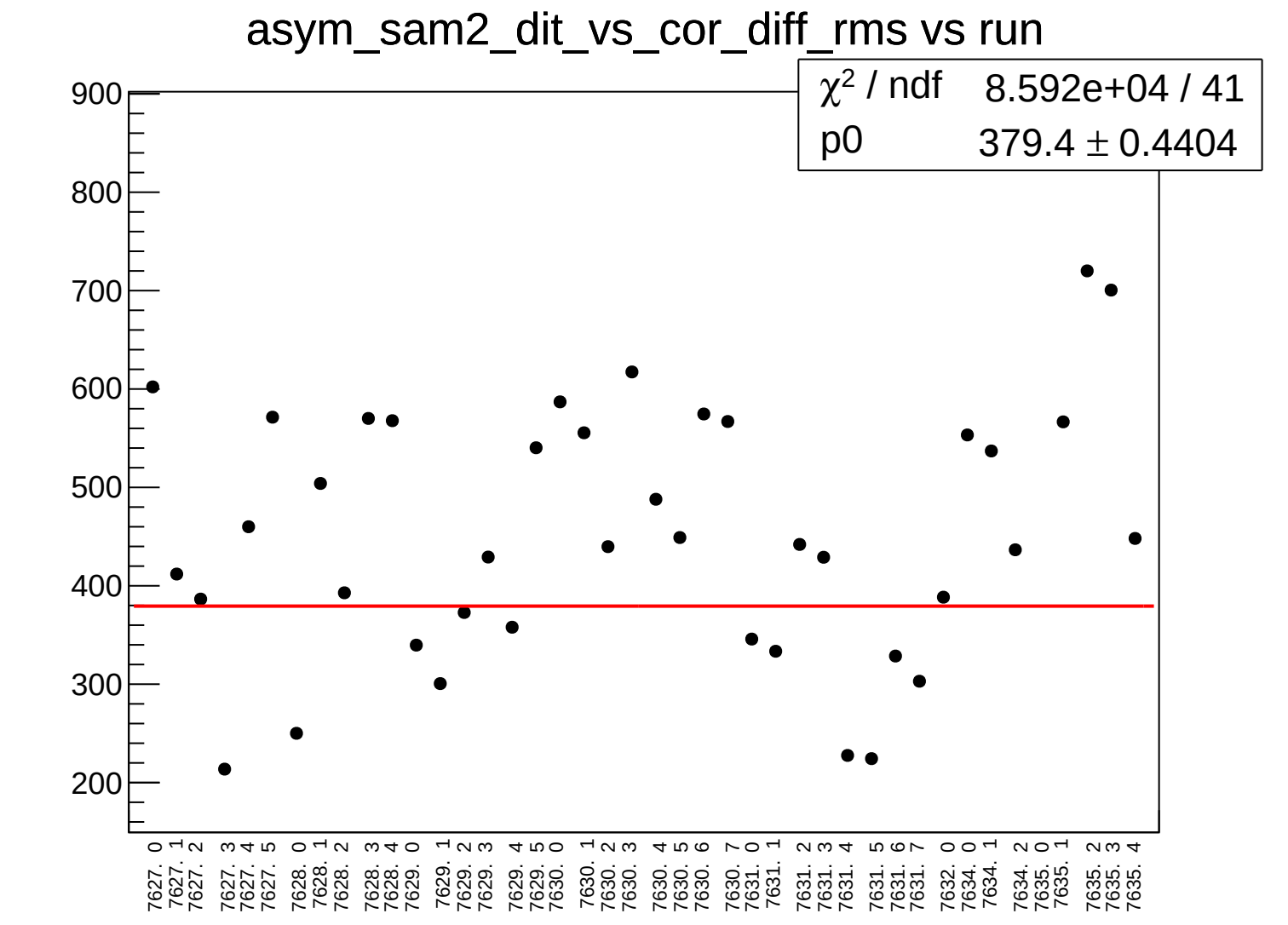

asym_sam2_rms vs run
χ² / ndf 1.907e+04 / 41
p0 1.426e+04 ± 15.86
20000
18000
16000
14000
12000
10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

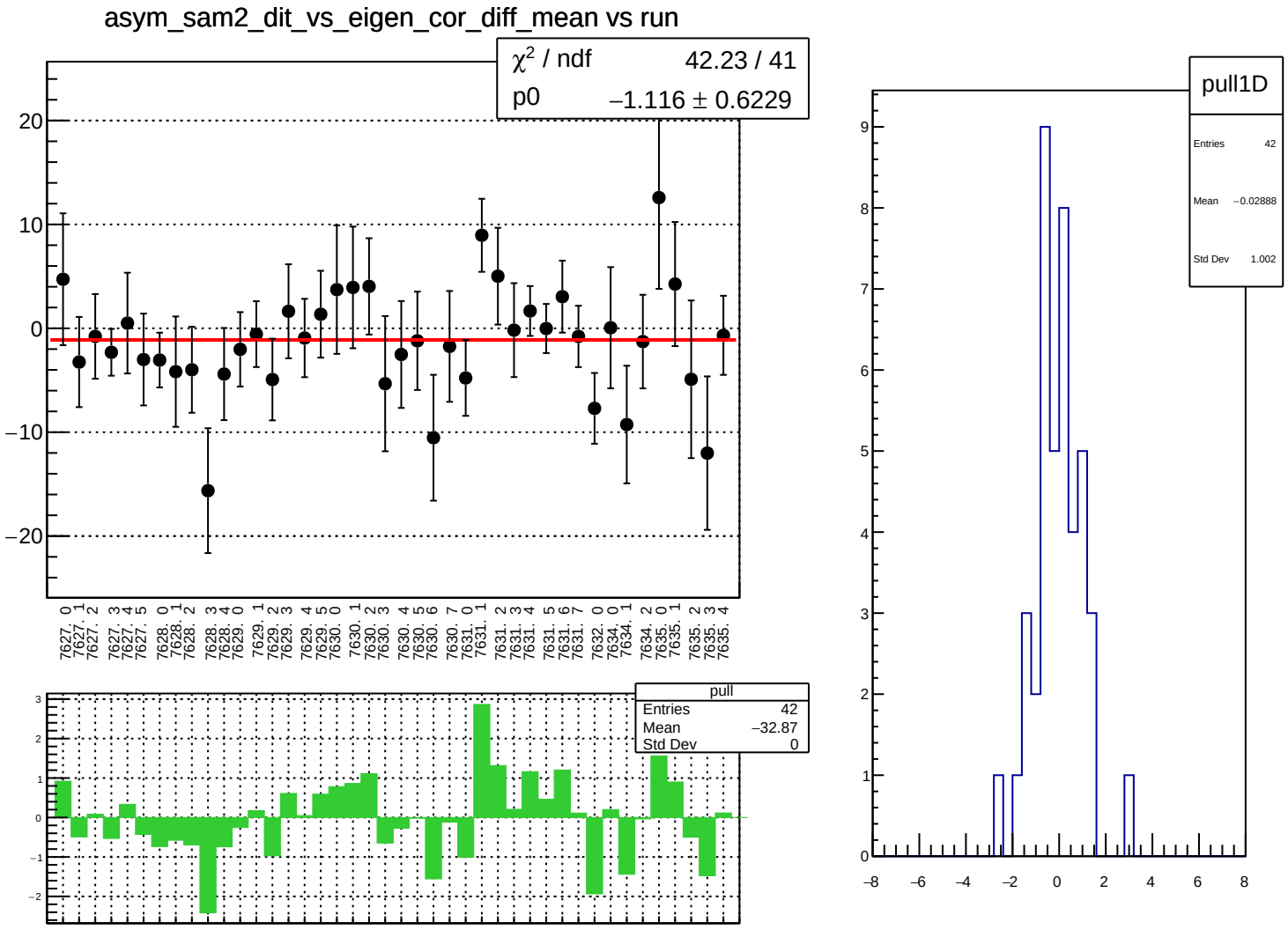

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 43.63 / 41
p0 6.707e−12 ± 6.214e−12
0.005
0
−0.005
−0.01
−0.015
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.358
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.1266
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

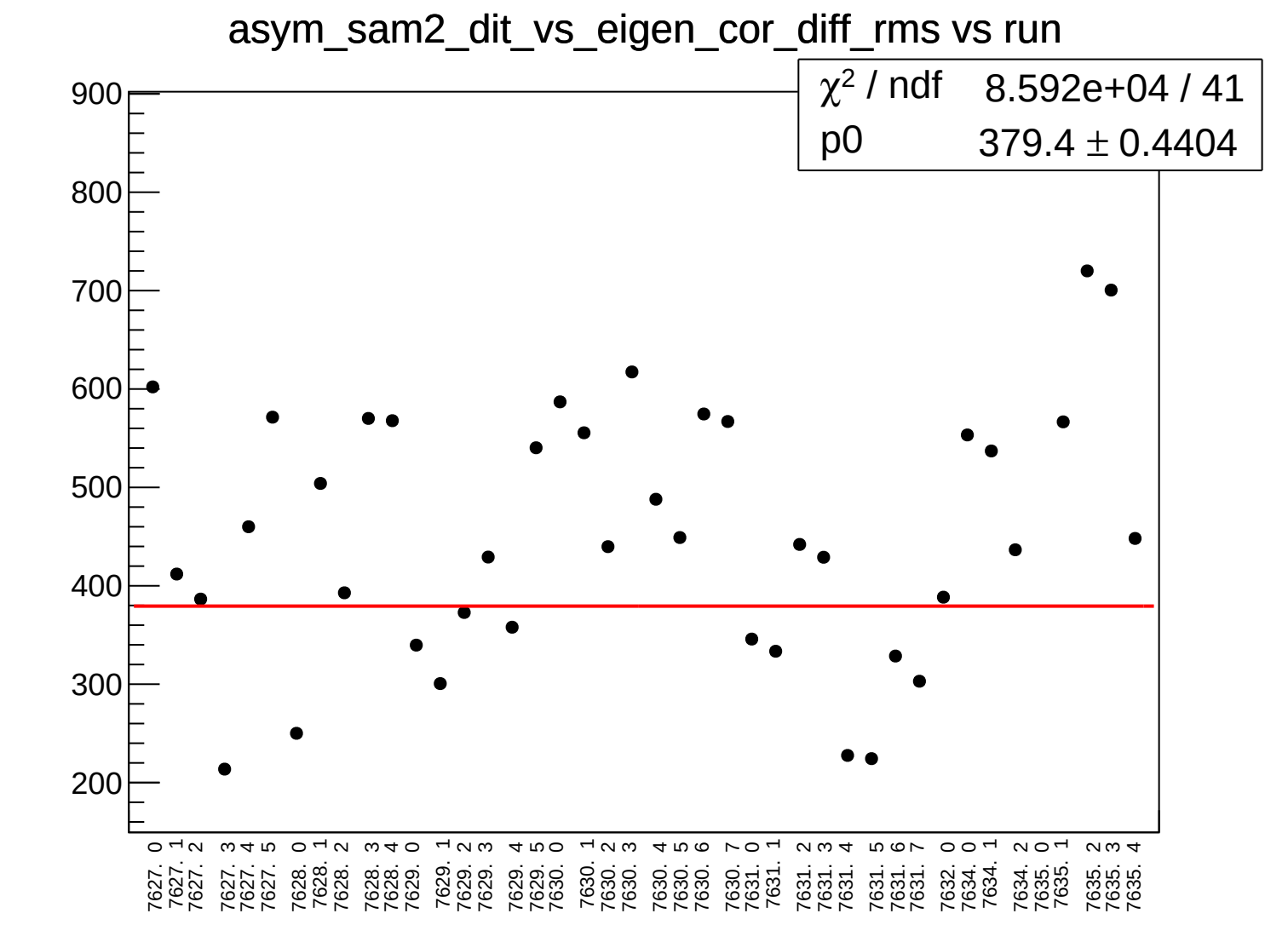

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 4.52e+05 / 41
p0 2.693e−09 ± 4.394e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

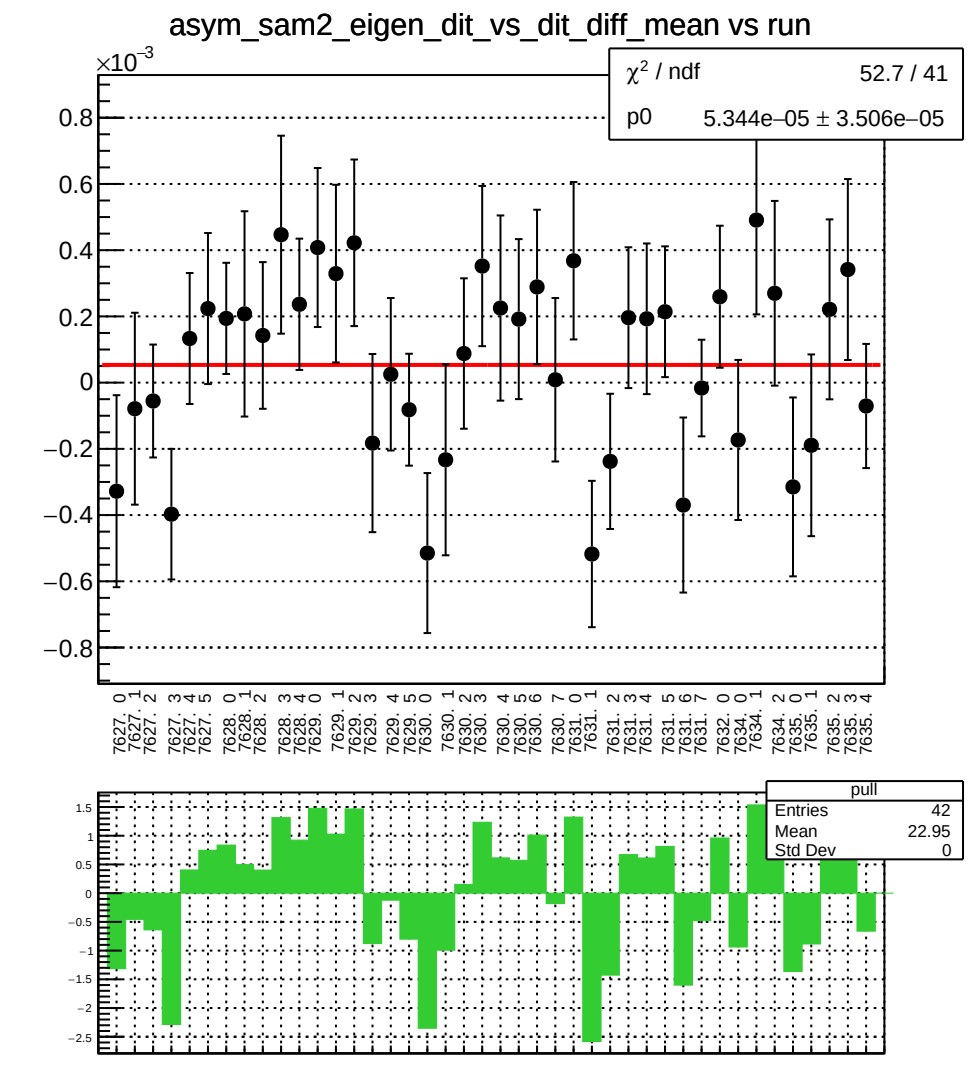

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 42.23 / 41
p0 −1.116 ± 0.6229
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −32.87
Std Dev 0
3
2
1
0
−1
−2

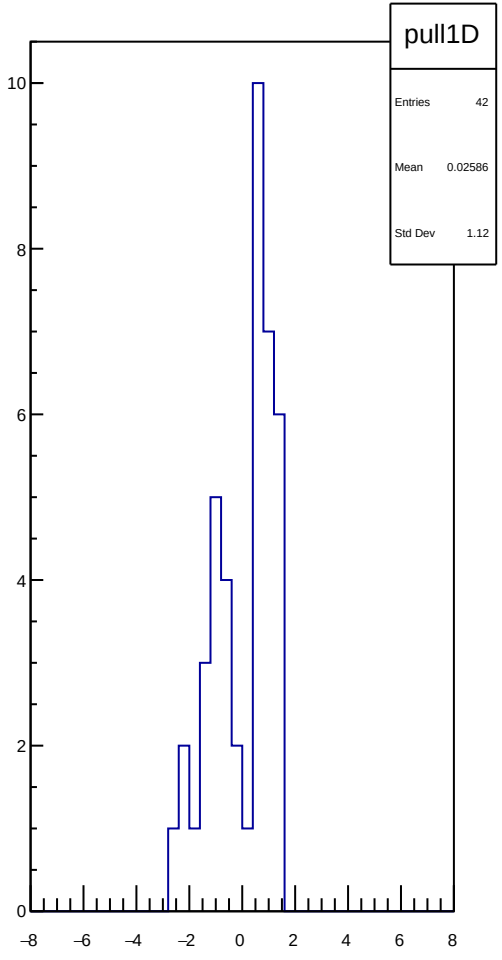

pull1D
Entries 42
Mean −0.02888
Std Dev 1.002
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

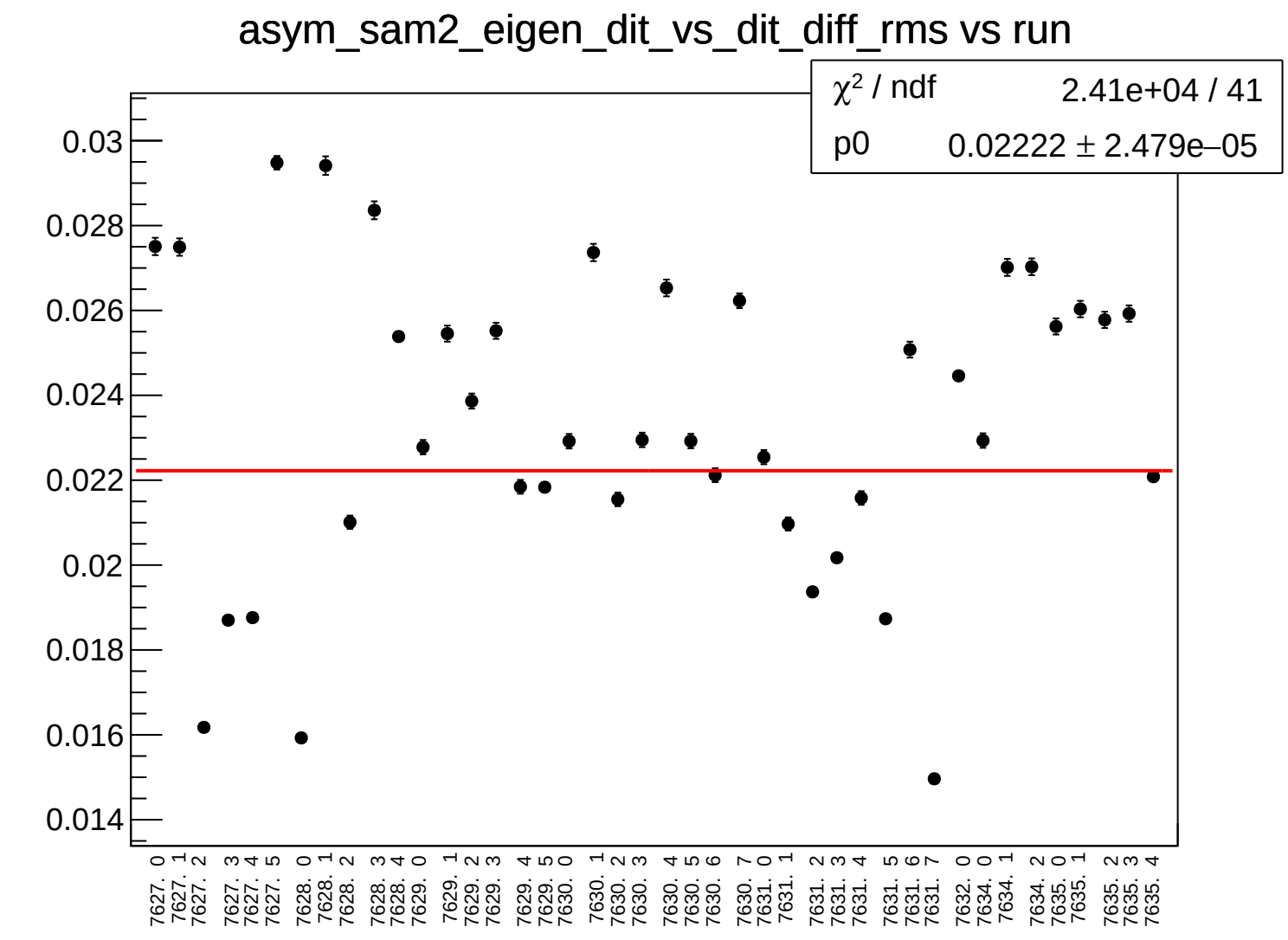

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 8.592e+04 / 41
p0 379.4 ± 0.4404
900
800
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

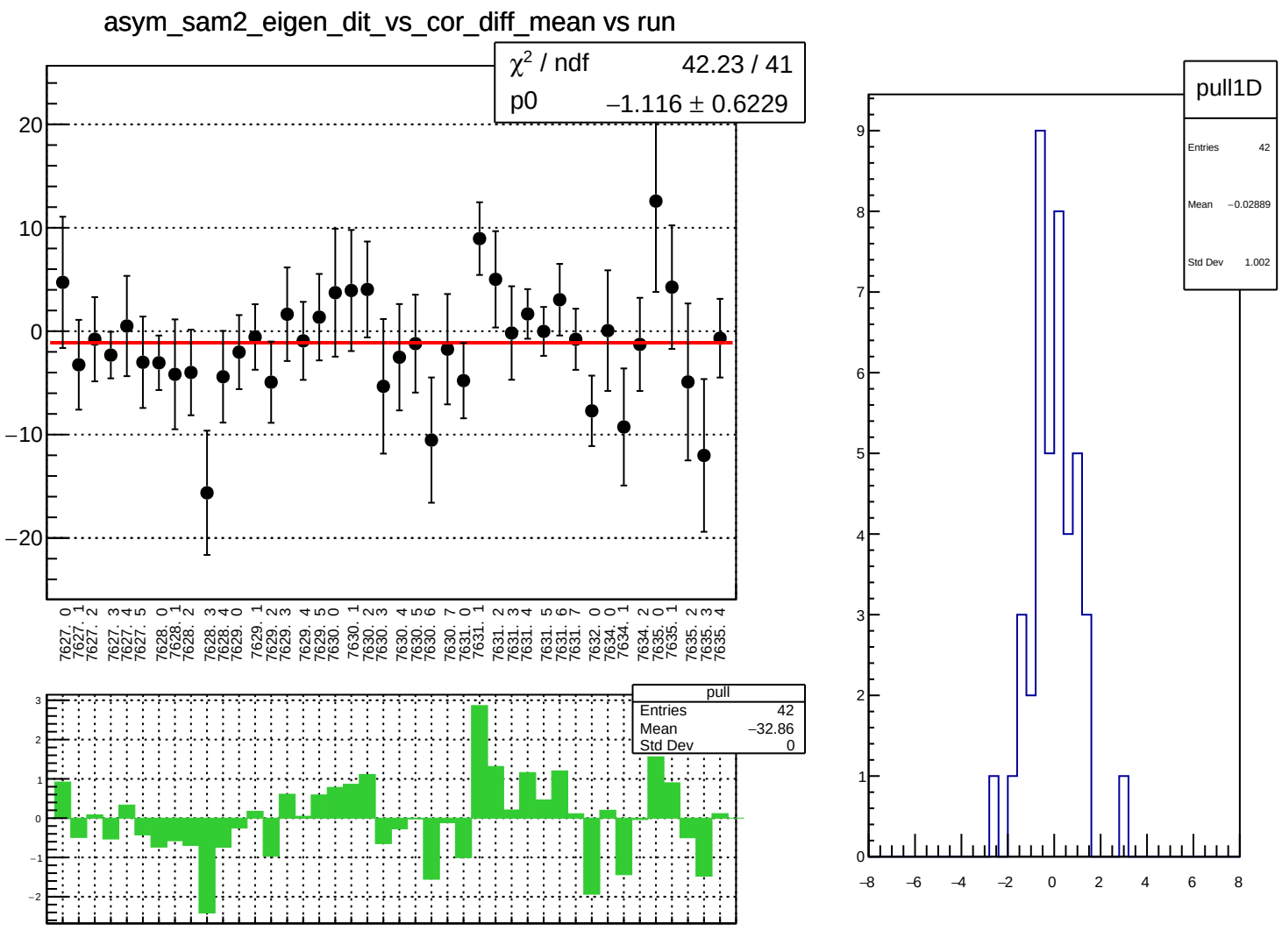

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.23 / 41
p0 −1.116 ± 0.6229
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −32.87
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.02888
Std Dev 1.002
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

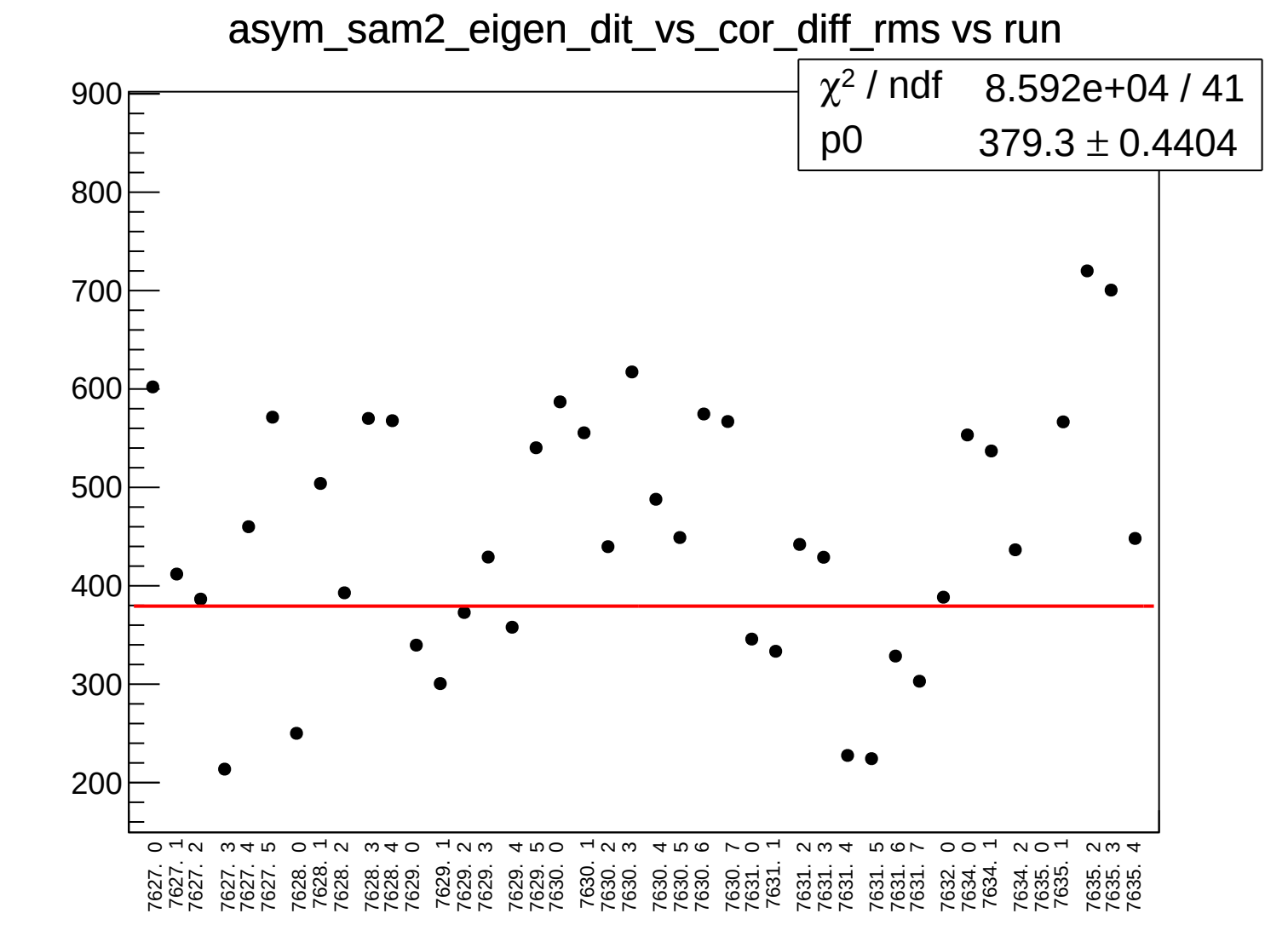

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.592e+04 / 41
p0 379.4 ± 0.4404
900
800
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

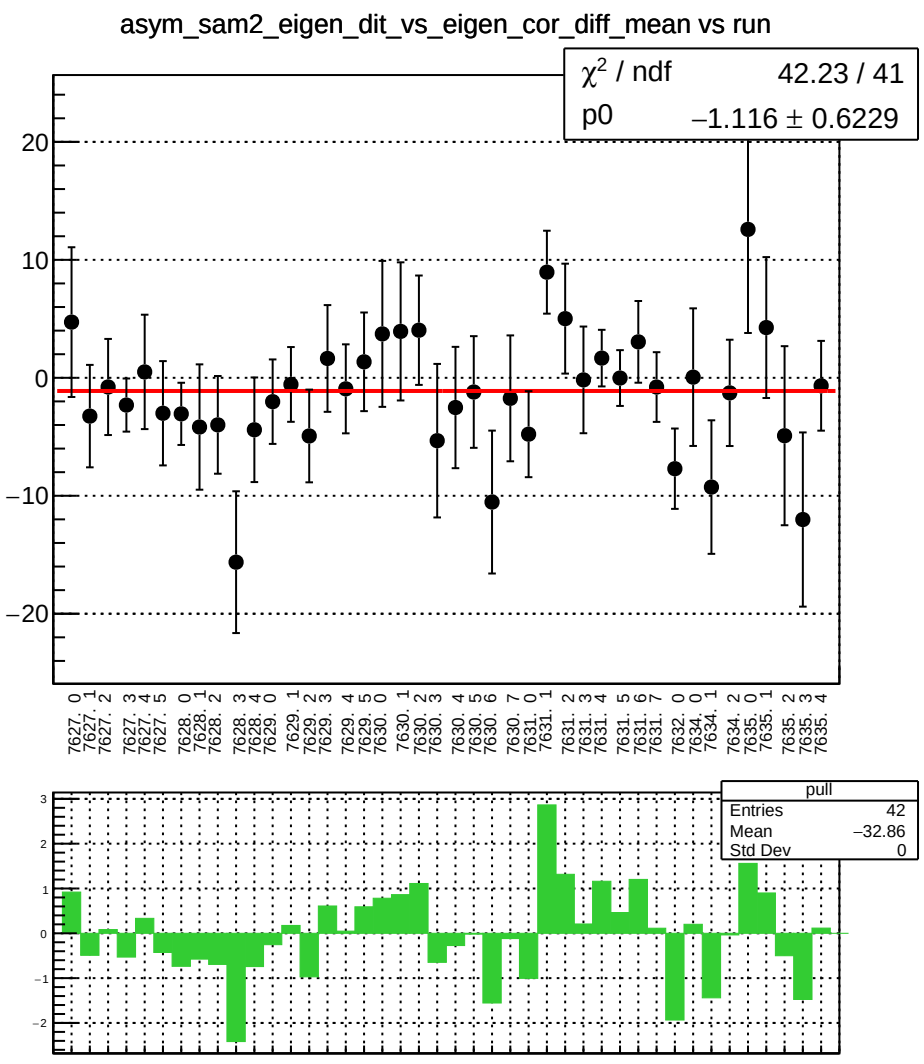

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.7 / 41
p0 5.344e−05 ± 3.506e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.95
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

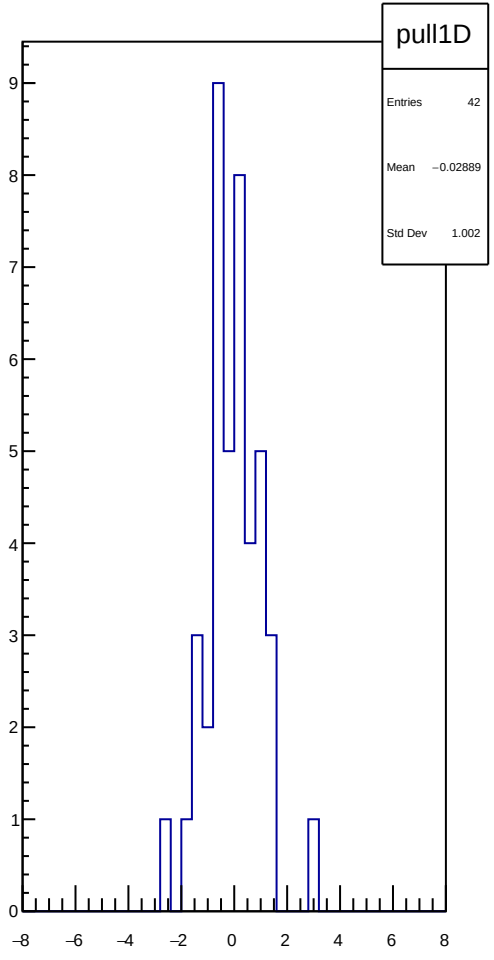

pull1D
Entries 42
Mean 0.02586
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

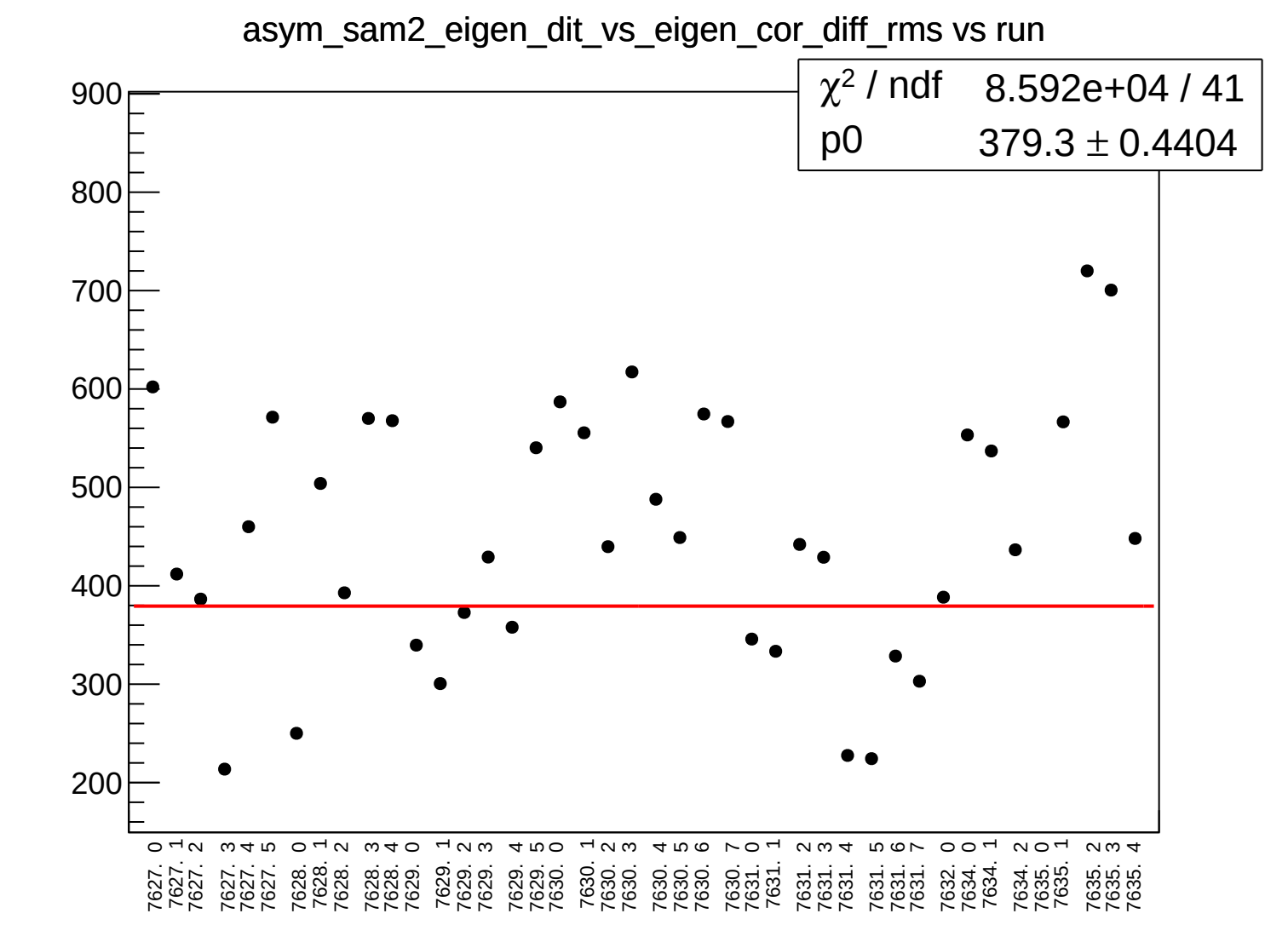

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.41e+04 / 41
p0 0.02222 ± 2.479e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

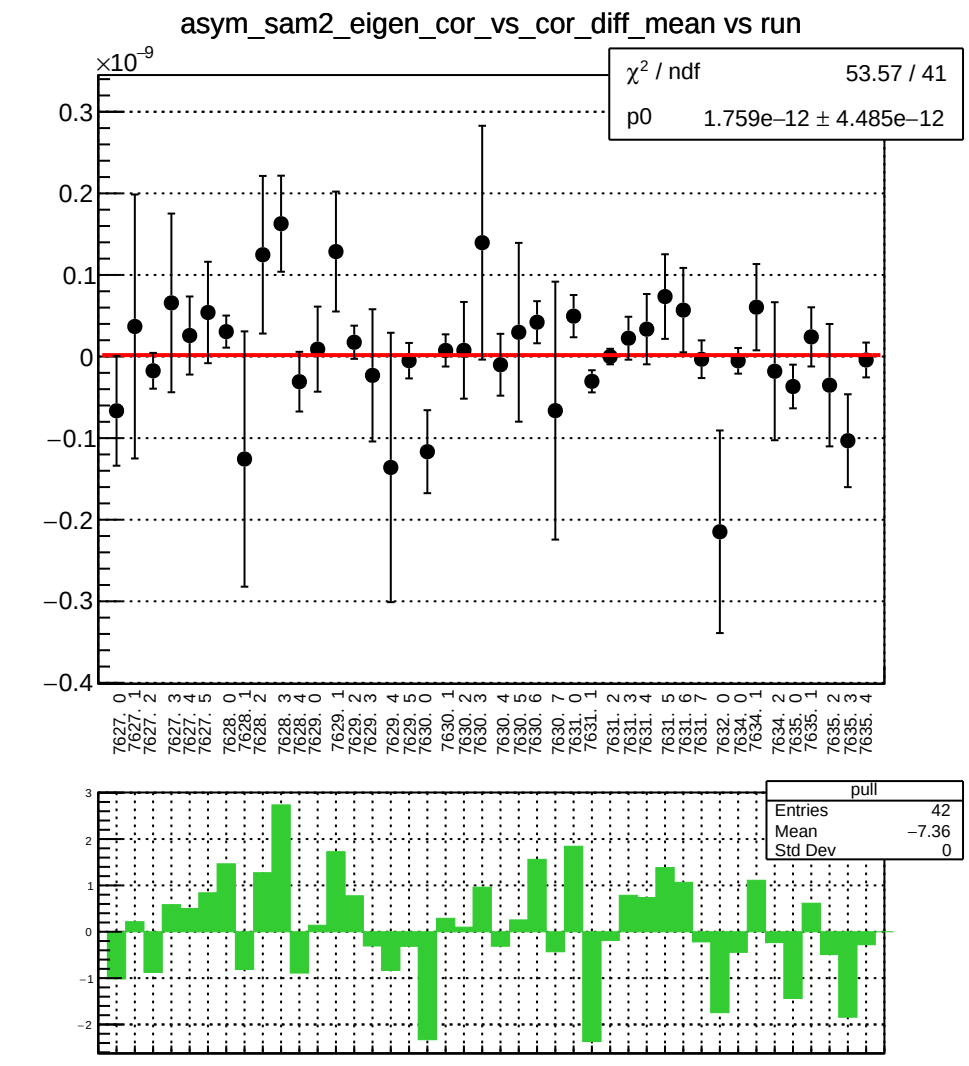

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.23 / 41
p0 −1.116 ± 0.6229
pull
Entries 42
Mean −32.86
Std Dev 0
pull1D
Entries 42
Mean −0.02889
Std Dev 1.002

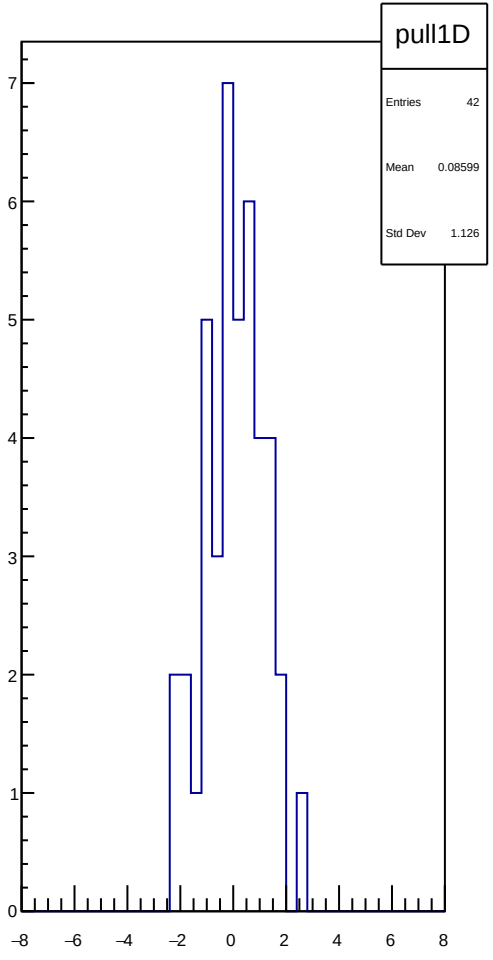

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.592e+04 / 41
p0 379.3 ± 0.4404
900
800
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

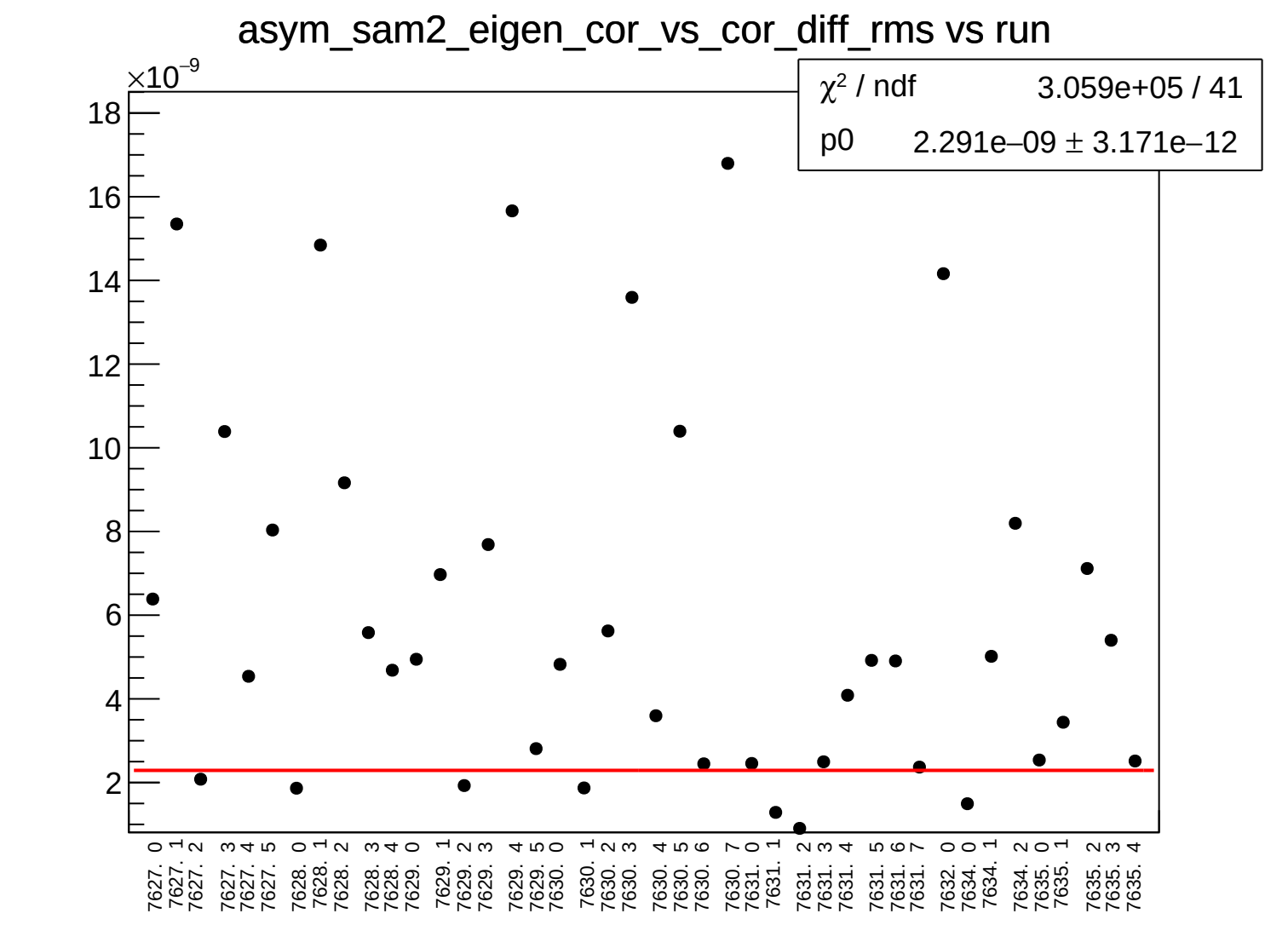

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.23 / 41
p0 −1.116 ± 0.6229
pull
Entries 42
Mean −32.86
Std Dev 0

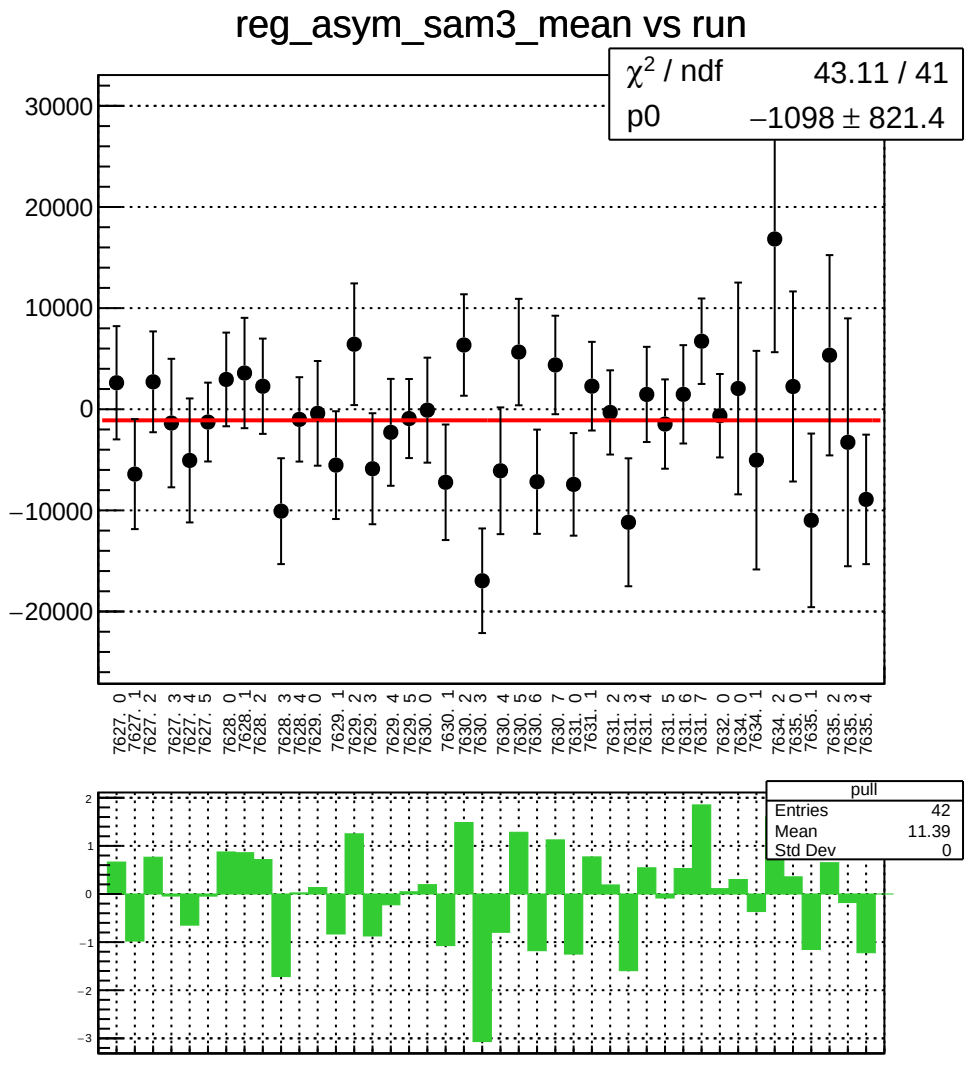

pull1D
Entries 42
Mean −0.02889
Std Dev 1.002

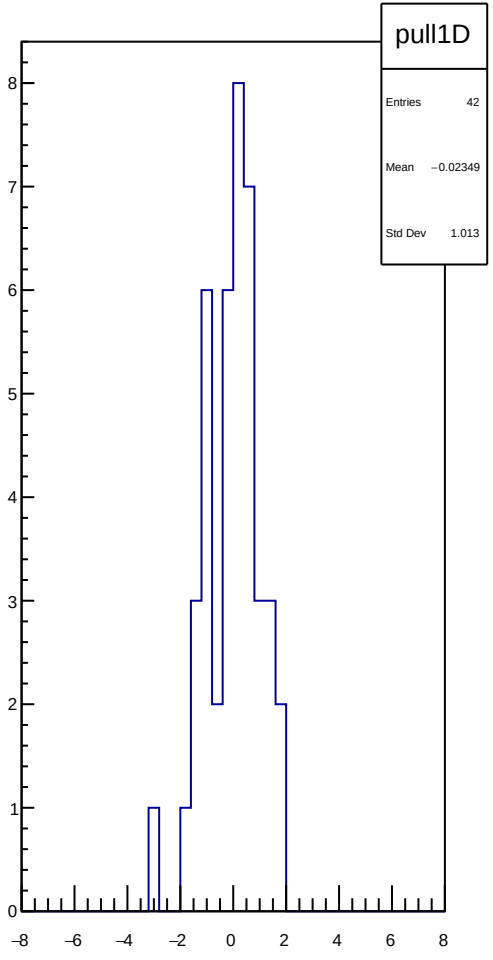

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.592e+04 / 41
p0 379.3 ± 0.4404
900
800
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

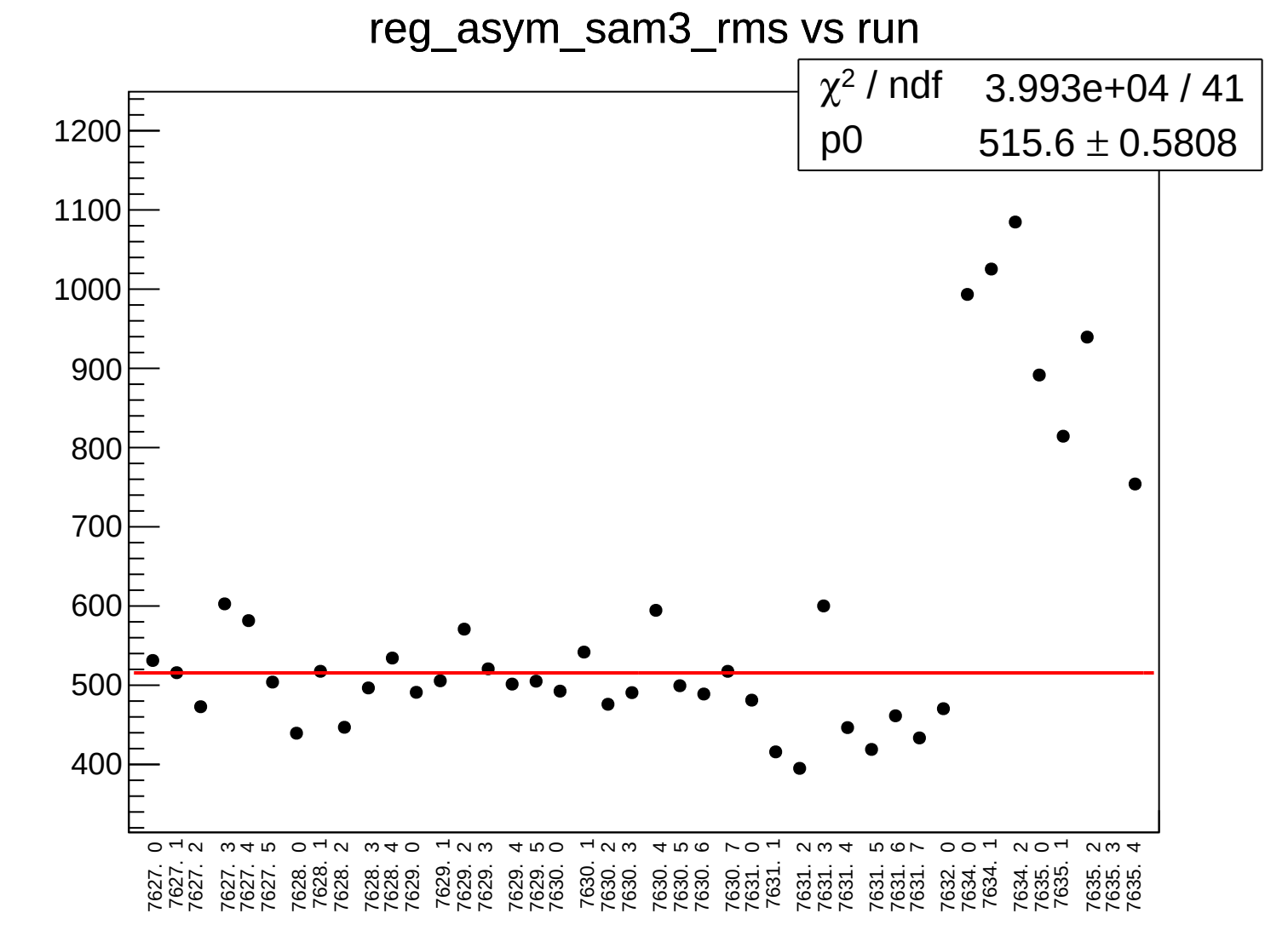

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 53.57 / 41
p0 1.759e−12 ± 4.485e−12
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.36
Std Dev 0
3
2
1
0
−1
−2

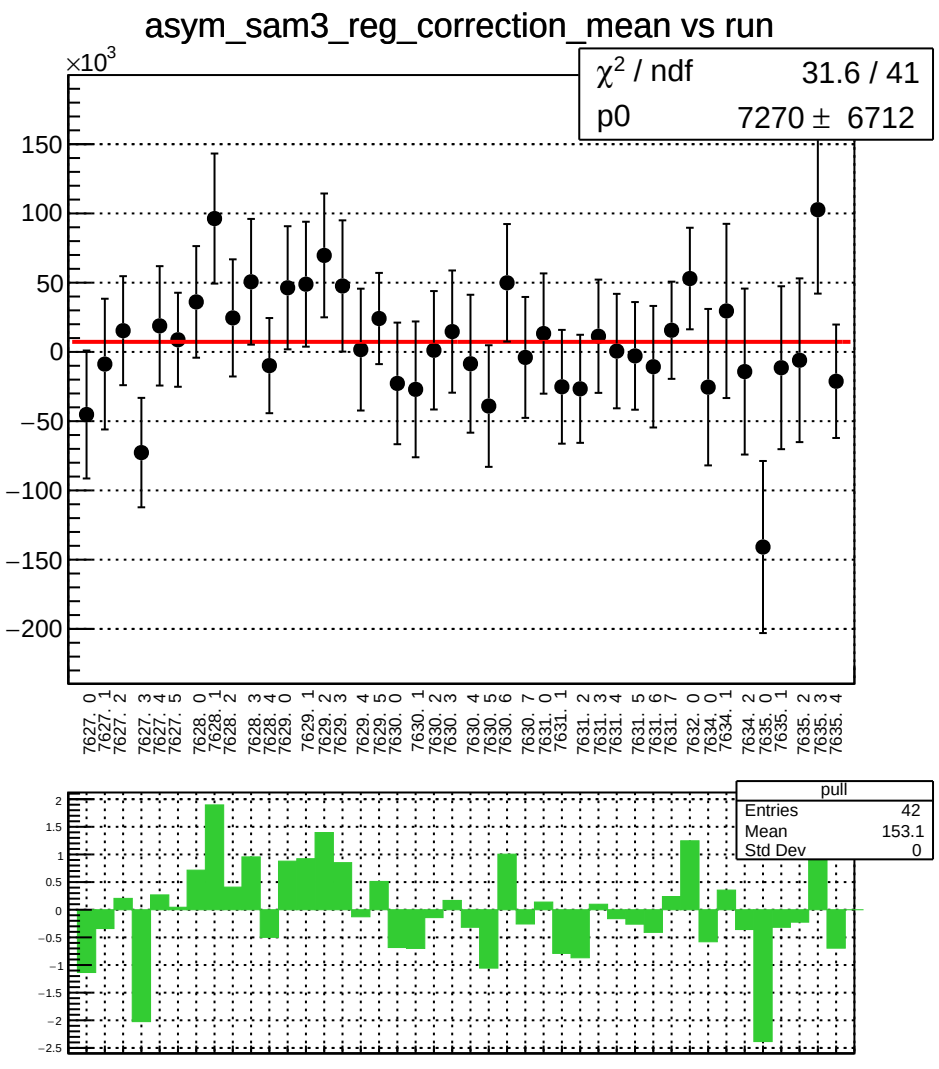

pull1D
Entries 42
Mean 0.08599
Std Dev 1.126
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

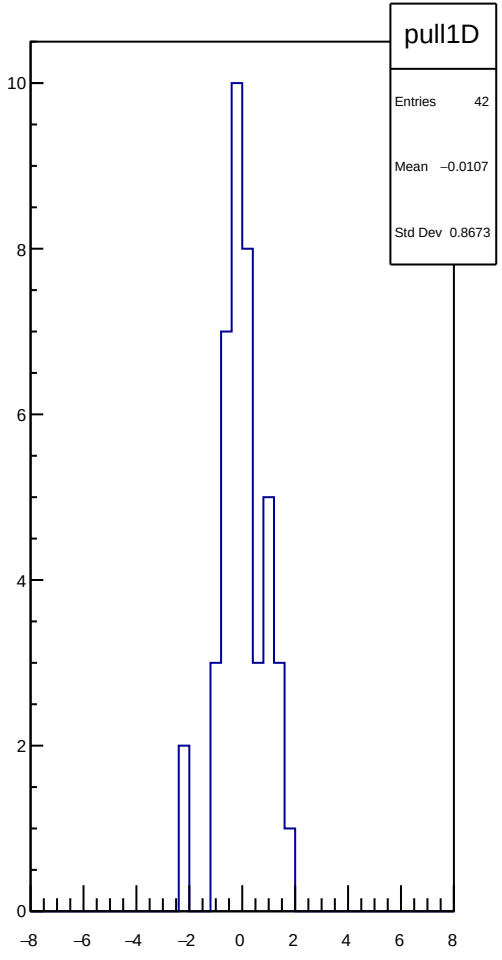

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.059e+05 / 41
p0 2.291e−09 ± 3.171e−12
18
16
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

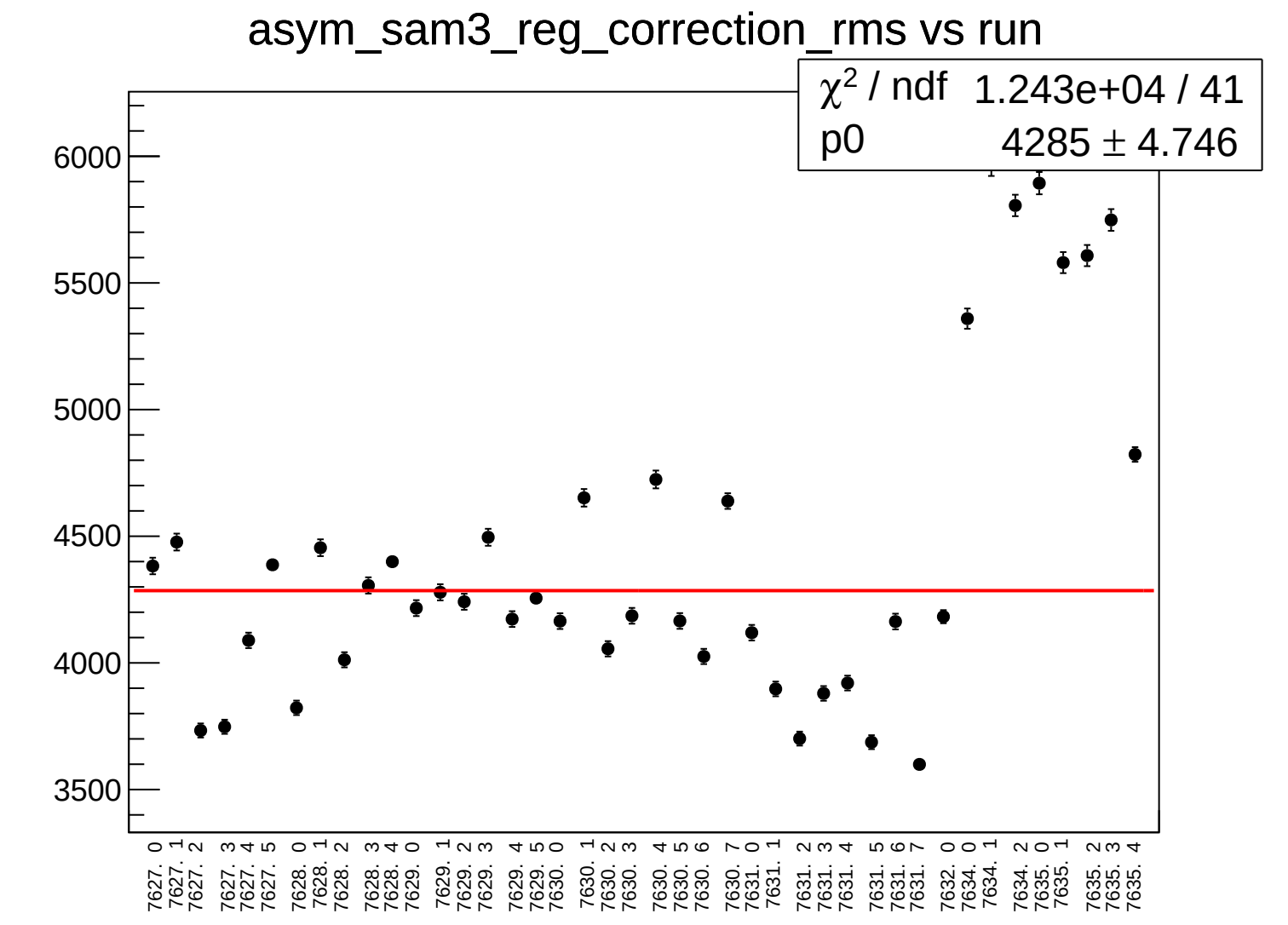

reg_asym_sam3_mean vs run
χ² / ndf 43.11 / 41
p0 −1098 ± 821.4
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 11.39
Std Dev 0
2
1
0
−1
−2
−3

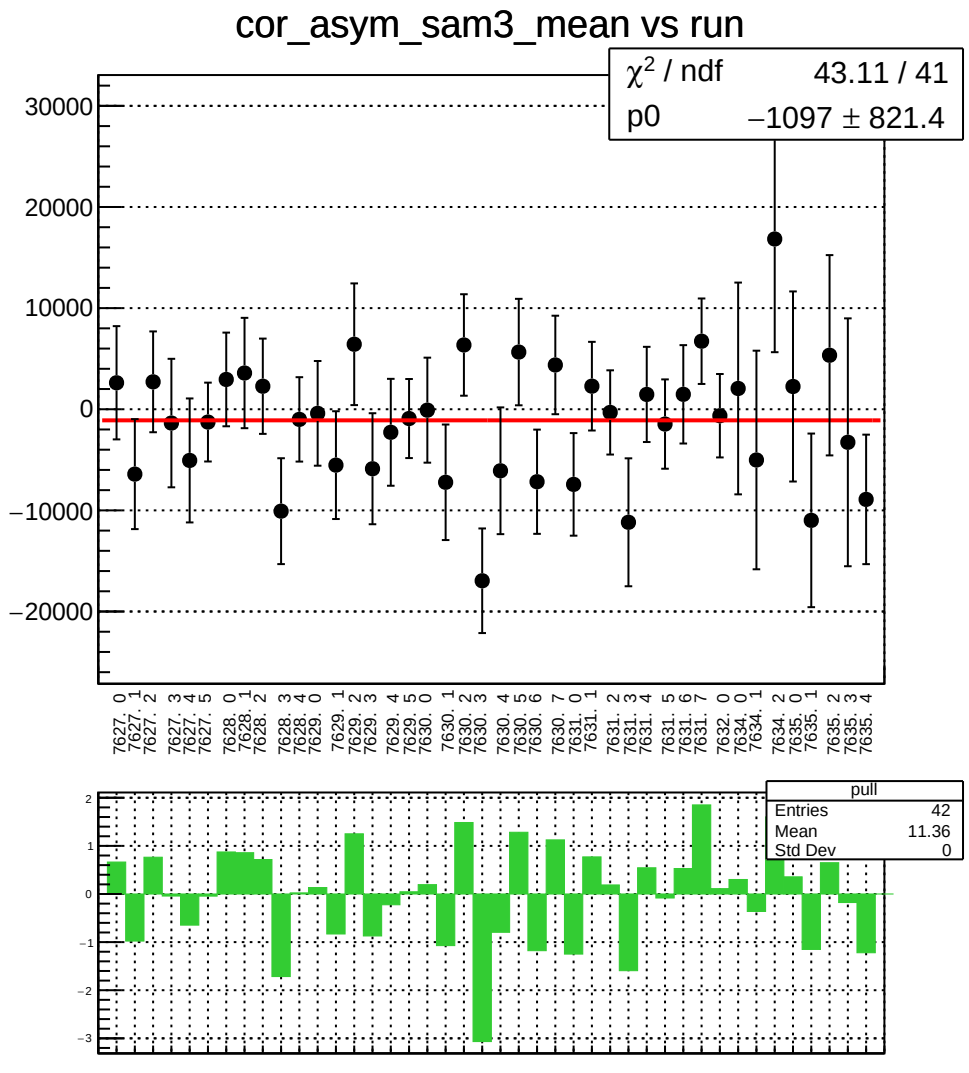

pull1D
Entries 42
Mean −0.02349
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

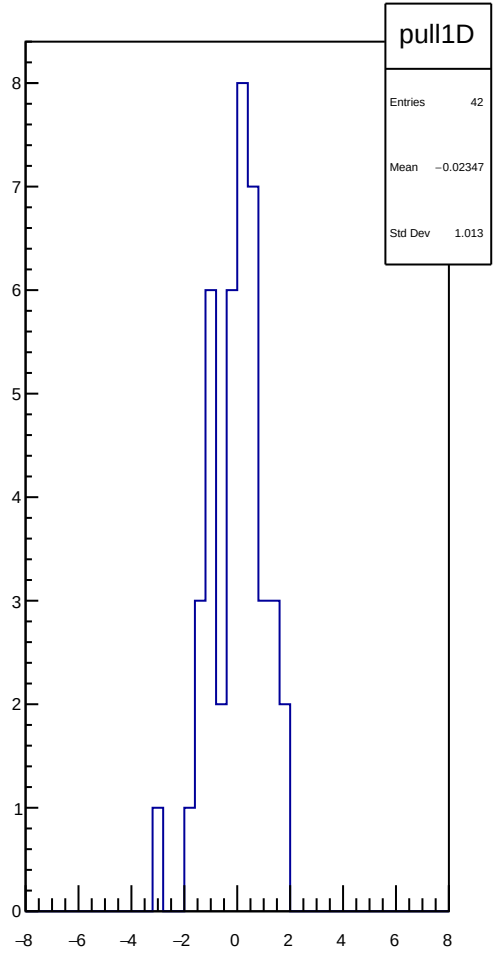

reg_asym_sam3_rms vs run
χ² / ndf 3.993e+04 / 41
p0 515.6 ± 0.5808
1200
1100
1000
900
800
700
600
500
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

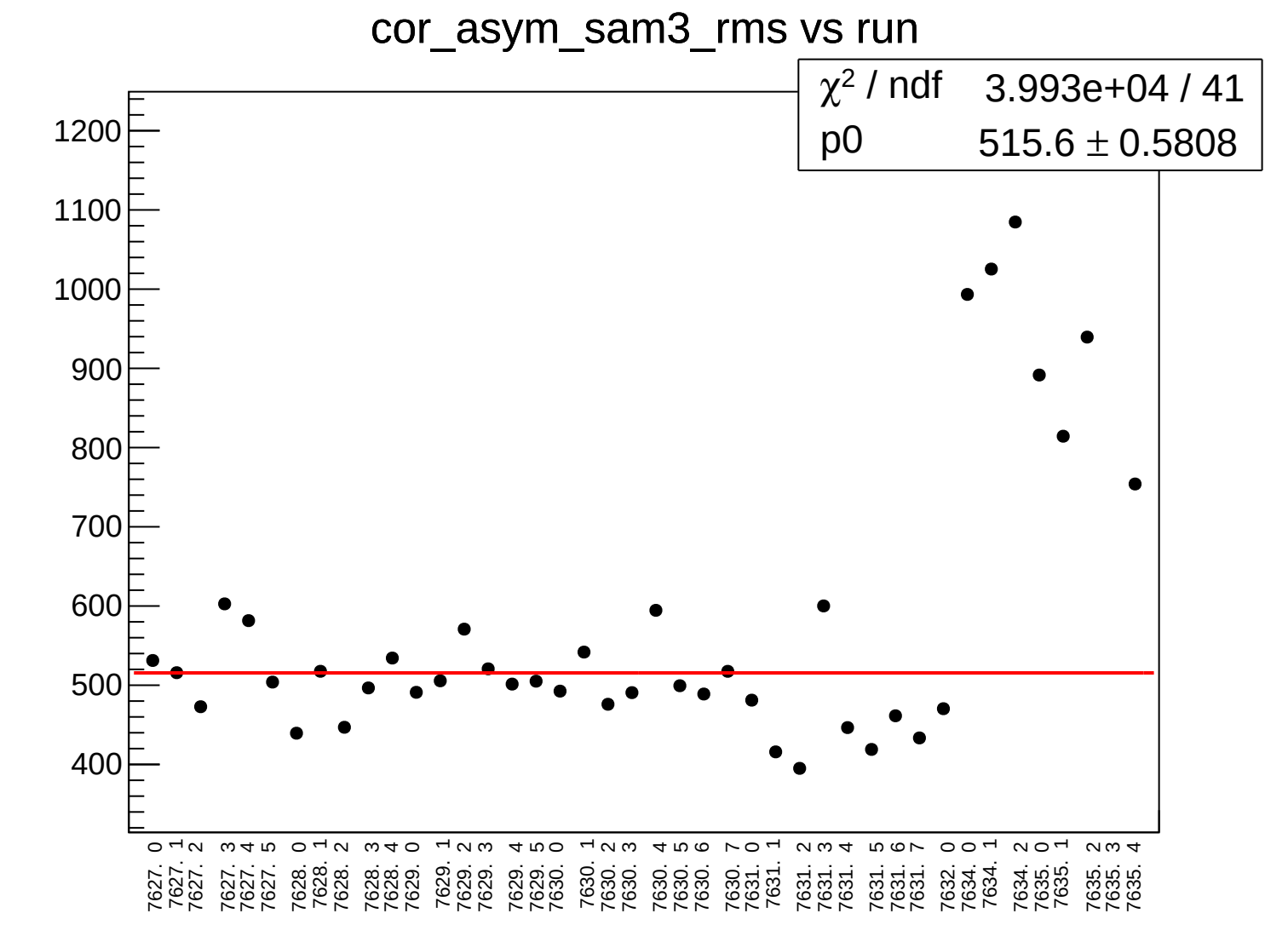

asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 31.6 / 41
p0 7270 ± 6712
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 153.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

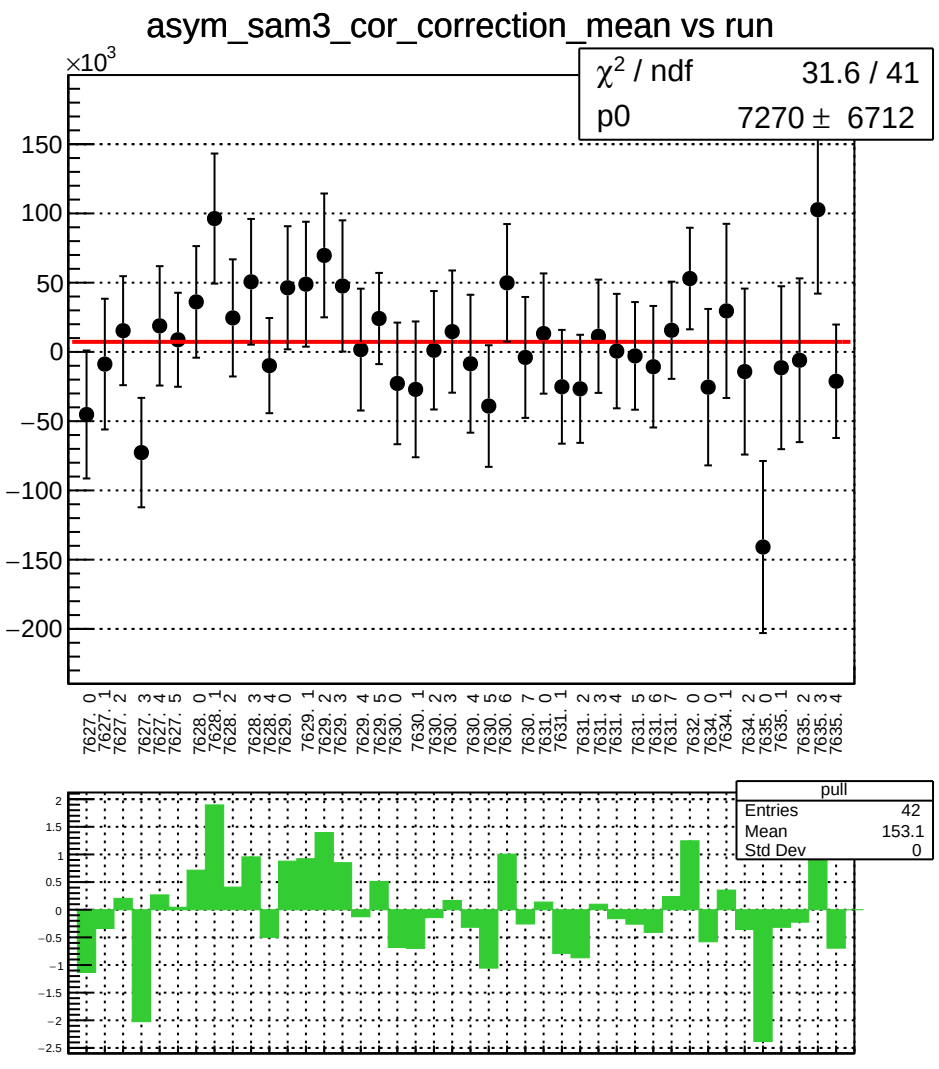

pull1D
Entries 42
Mean −0.0107
Std Dev 0.8673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

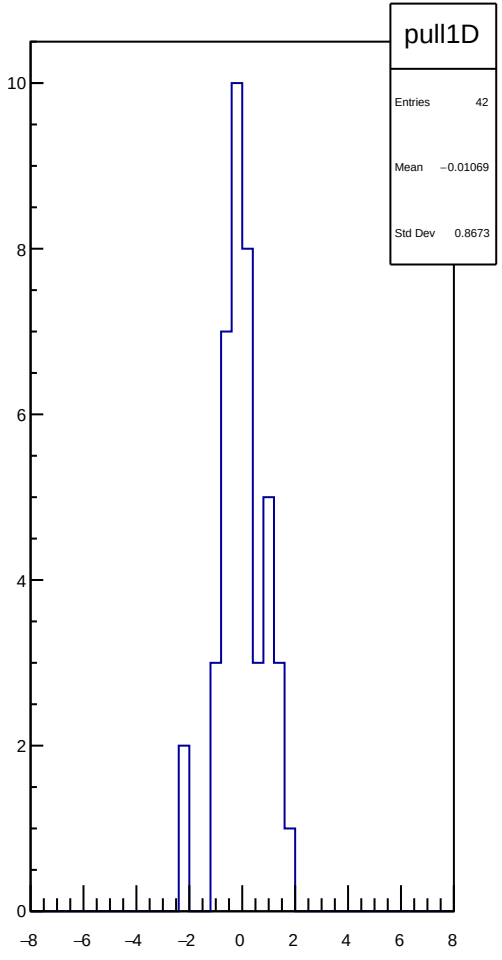

asym_sam3_reg_correction_rms vs run
χ² / ndf 1.243e+04 / 41
p0 4285 ± 4.746
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

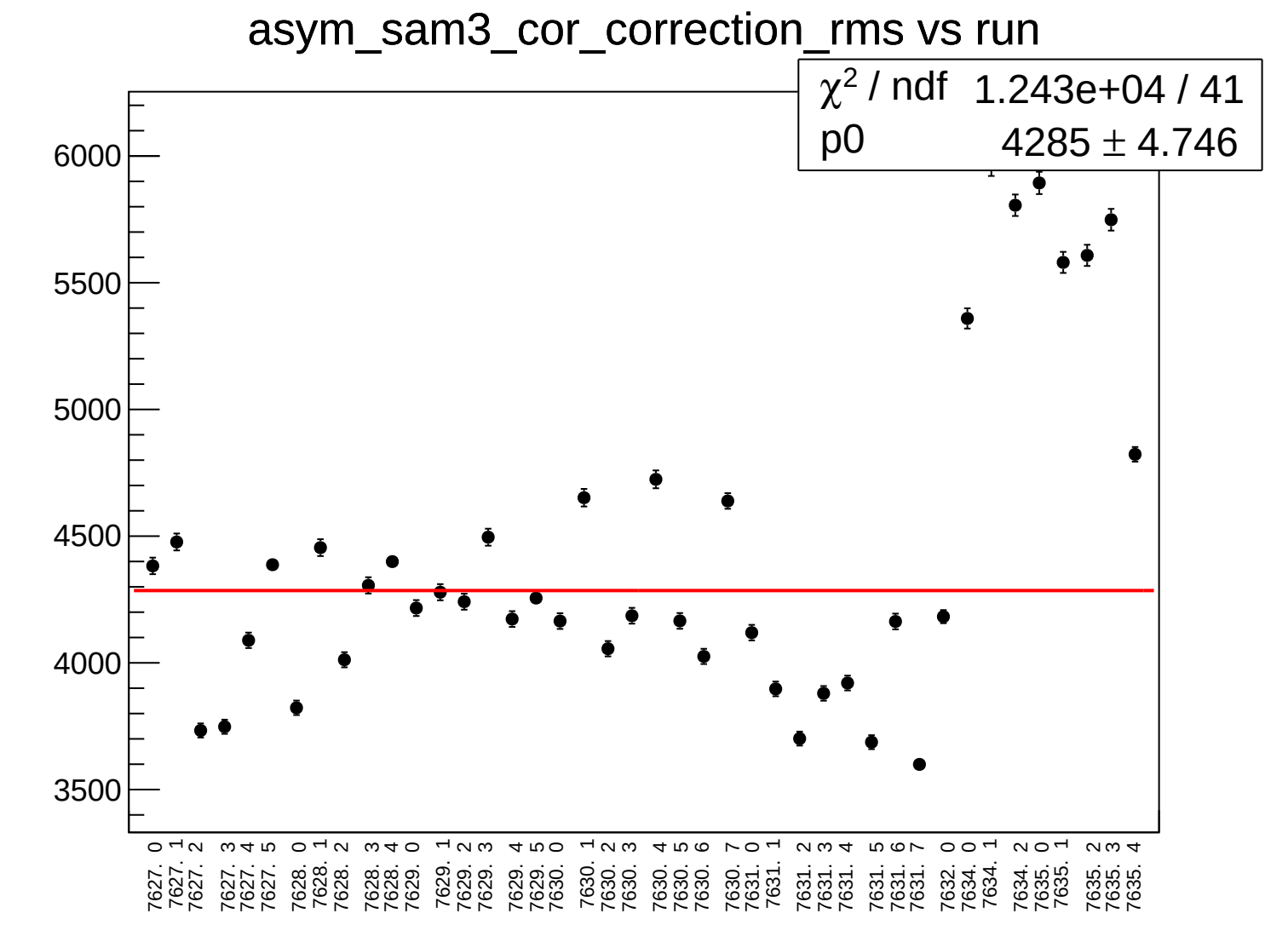

cor_asym_sam3_mean vs run
χ² / ndf 43.11 / 41
p0 −1097 ± 821.4
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 11.36
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.02347
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam3_rms vs run
χ² / ndf 3.993e+04 / 41
p0 515.6 ± 0.5808
1200
1100
1000
900
800
700
600
500
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam3_cor_correction_mean vs run
×10^3
χ² / ndf 31.6 / 41
p0 7270 ± 6712
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 153.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean −0.01069
Std Dev 0.8673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_cor_correction_rms vs run
χ² / ndf 1.243e+04 / 41
p0 4285 ± 4.746
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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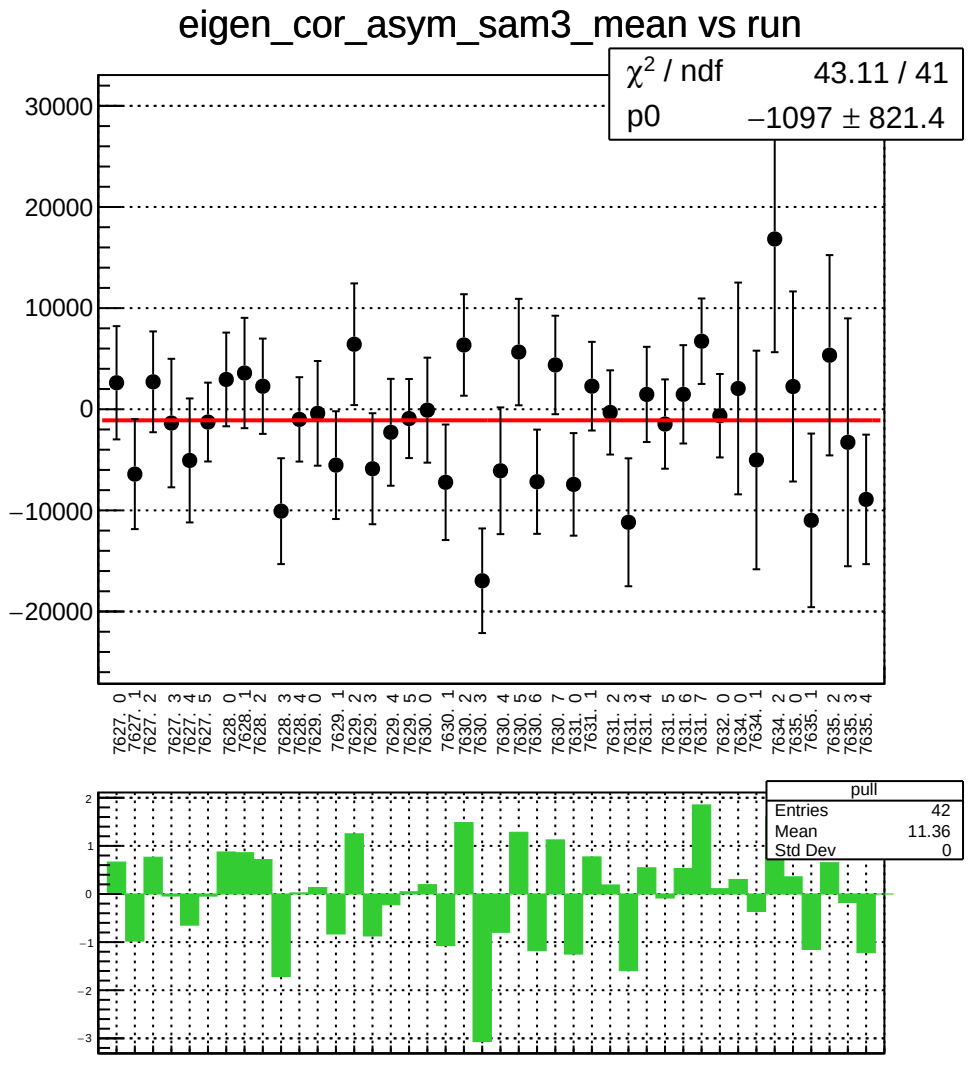
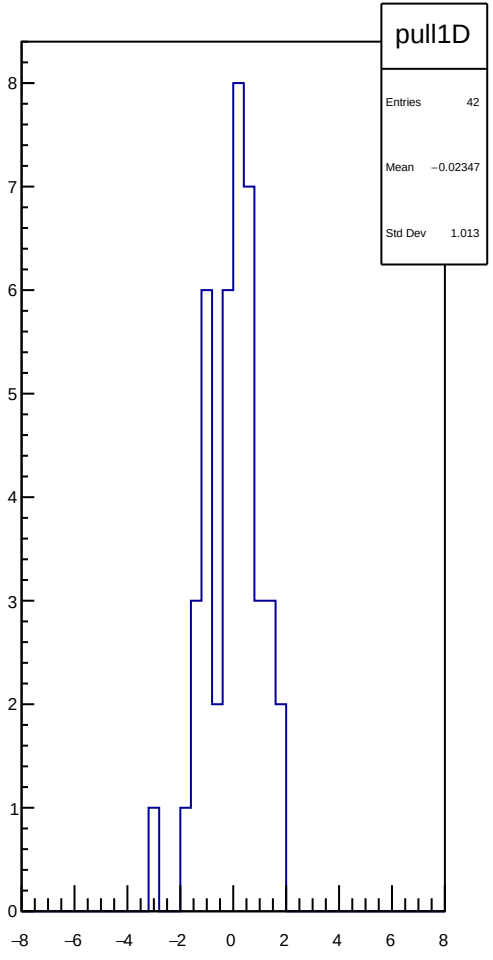
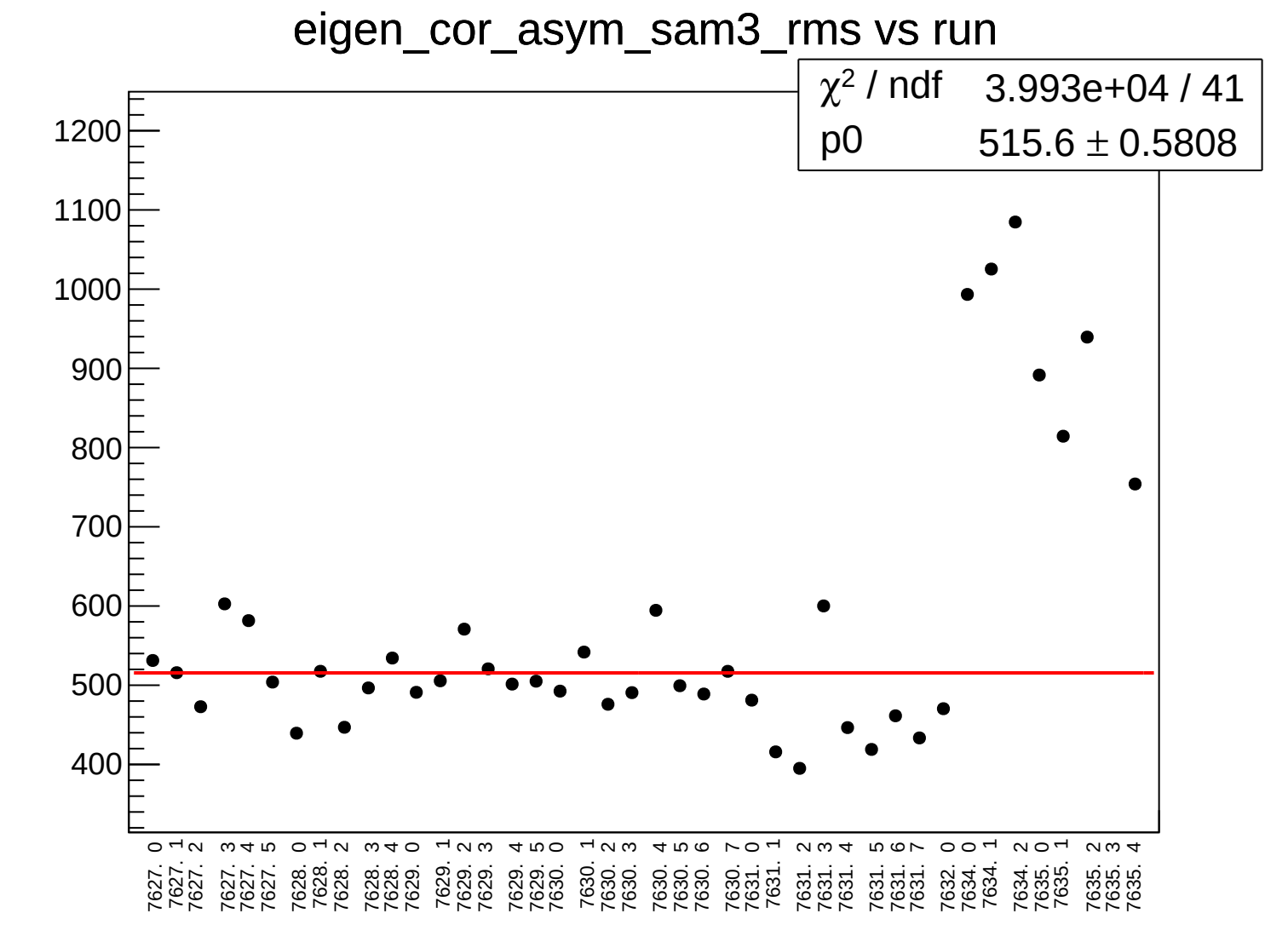
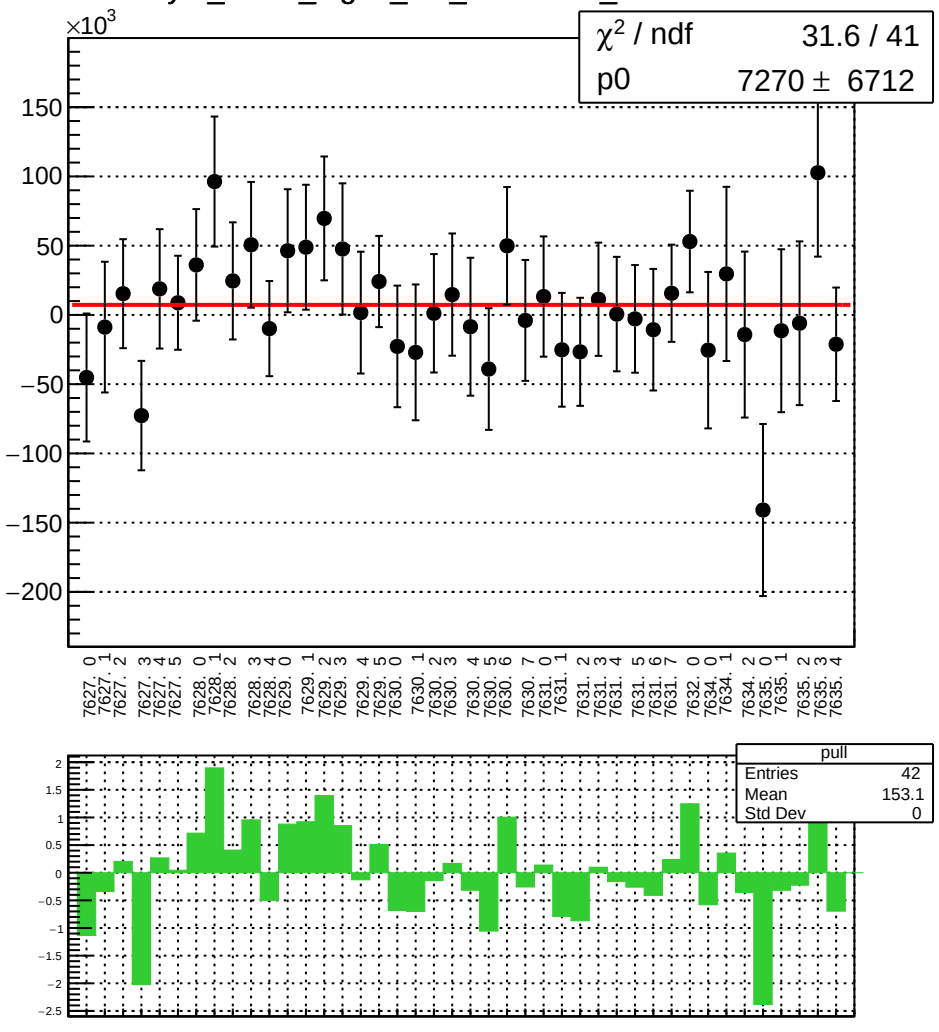
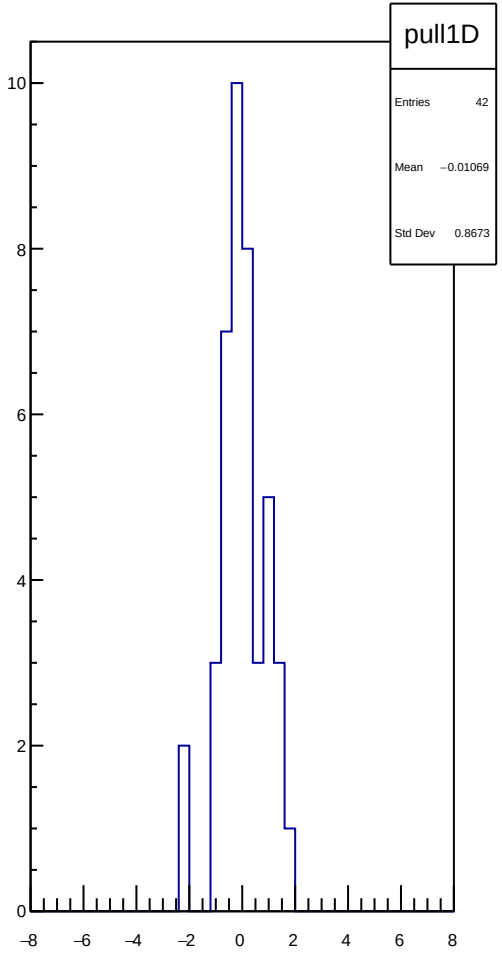
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

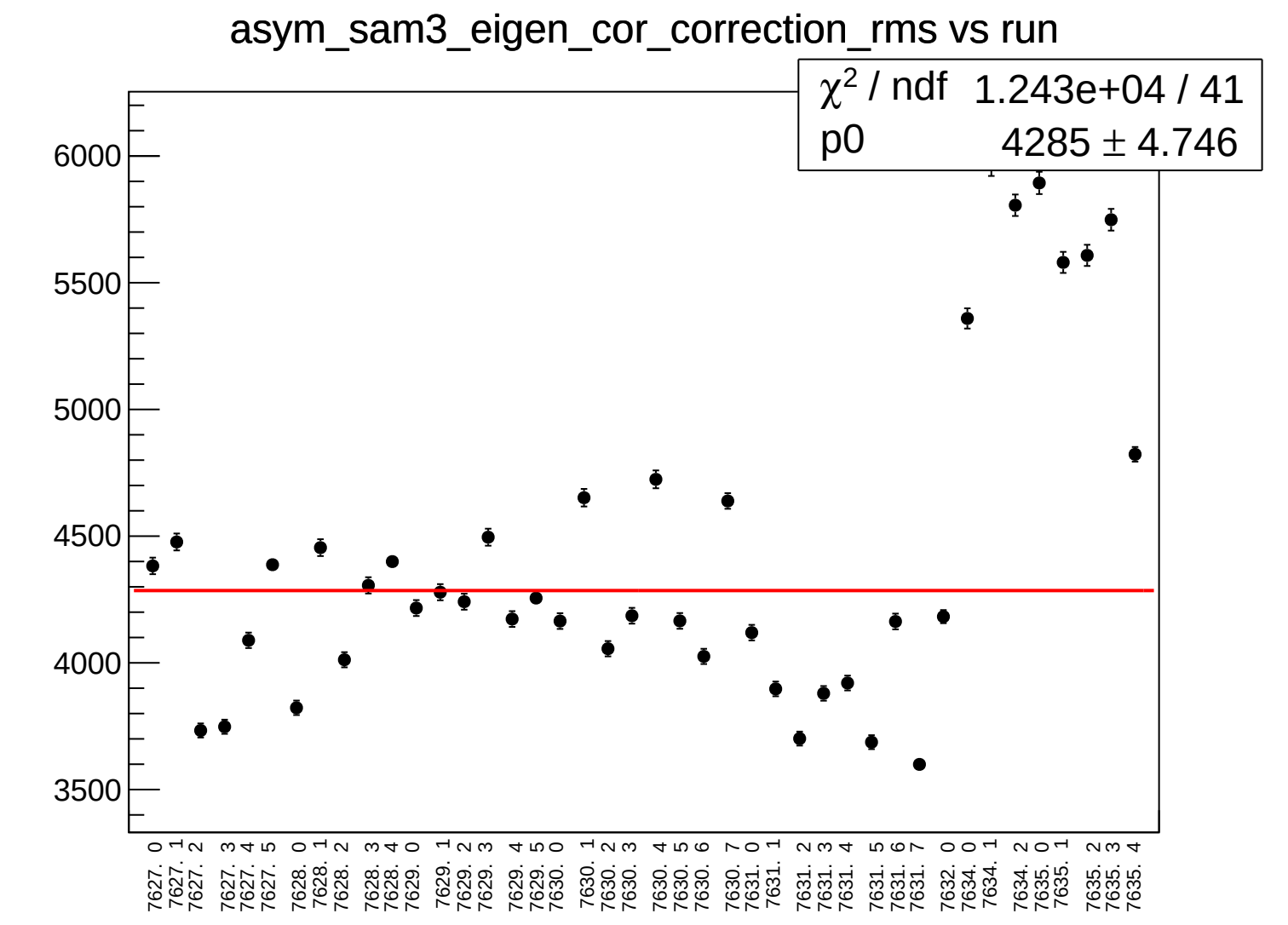

eigen_cor_asym_sam3_mean vs run
χ² / ndf 43.11 / 41
p0 −1097 ± 821.4
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 11.36
Std Dev 0
2
1
0
−1
−2
−3

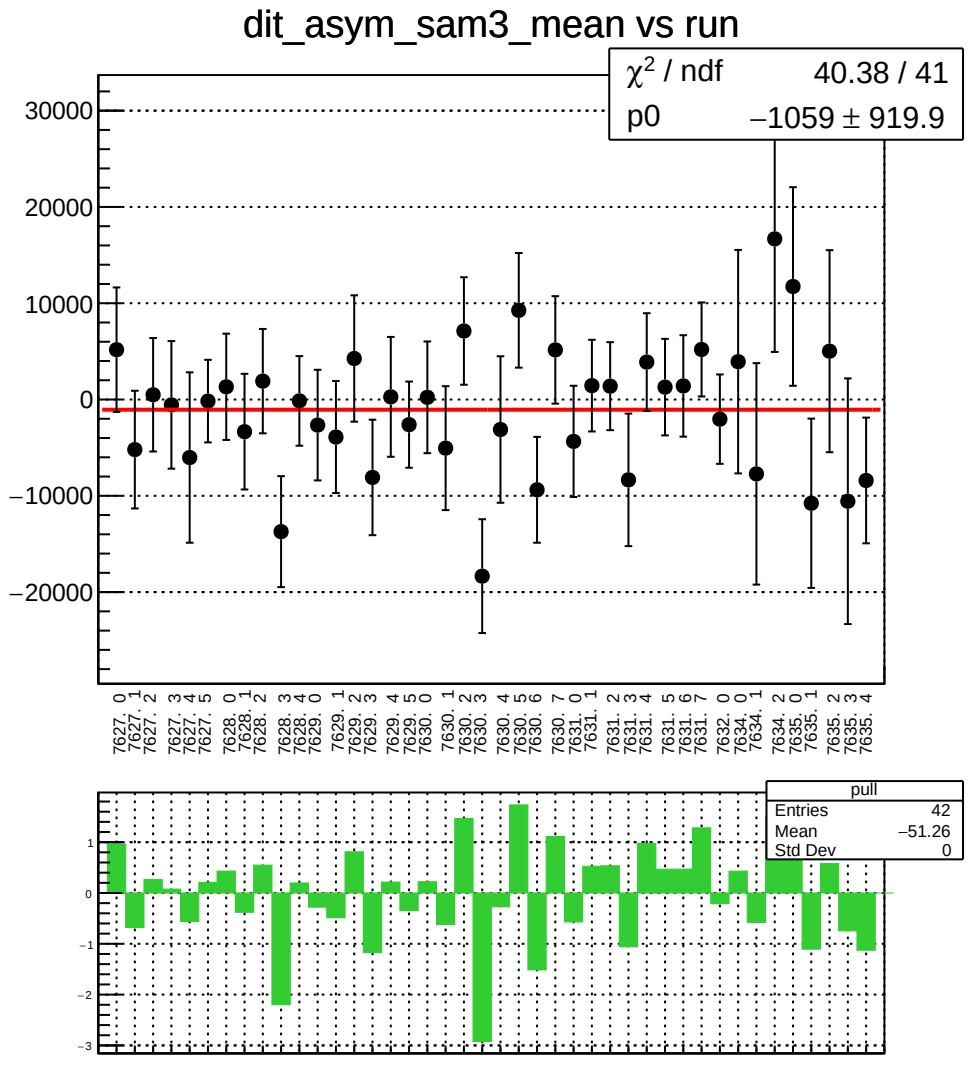

pull1D
Entries 42
Mean −0.02347
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

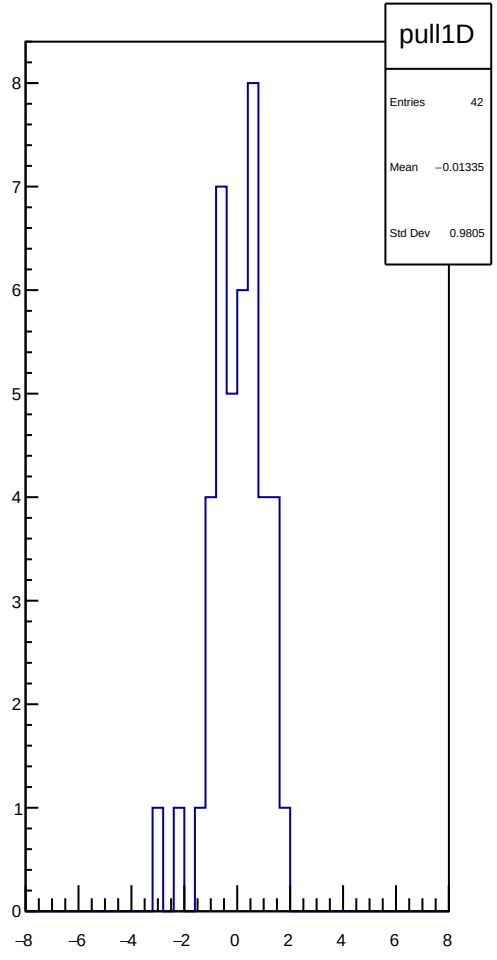

eigen_cor_asym_sam3_rms vs run
χ² / ndf 3.993e+04 / 41
p0 515.6 ± 0.5808
1200
1100
1000
900
800
700
600
500
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

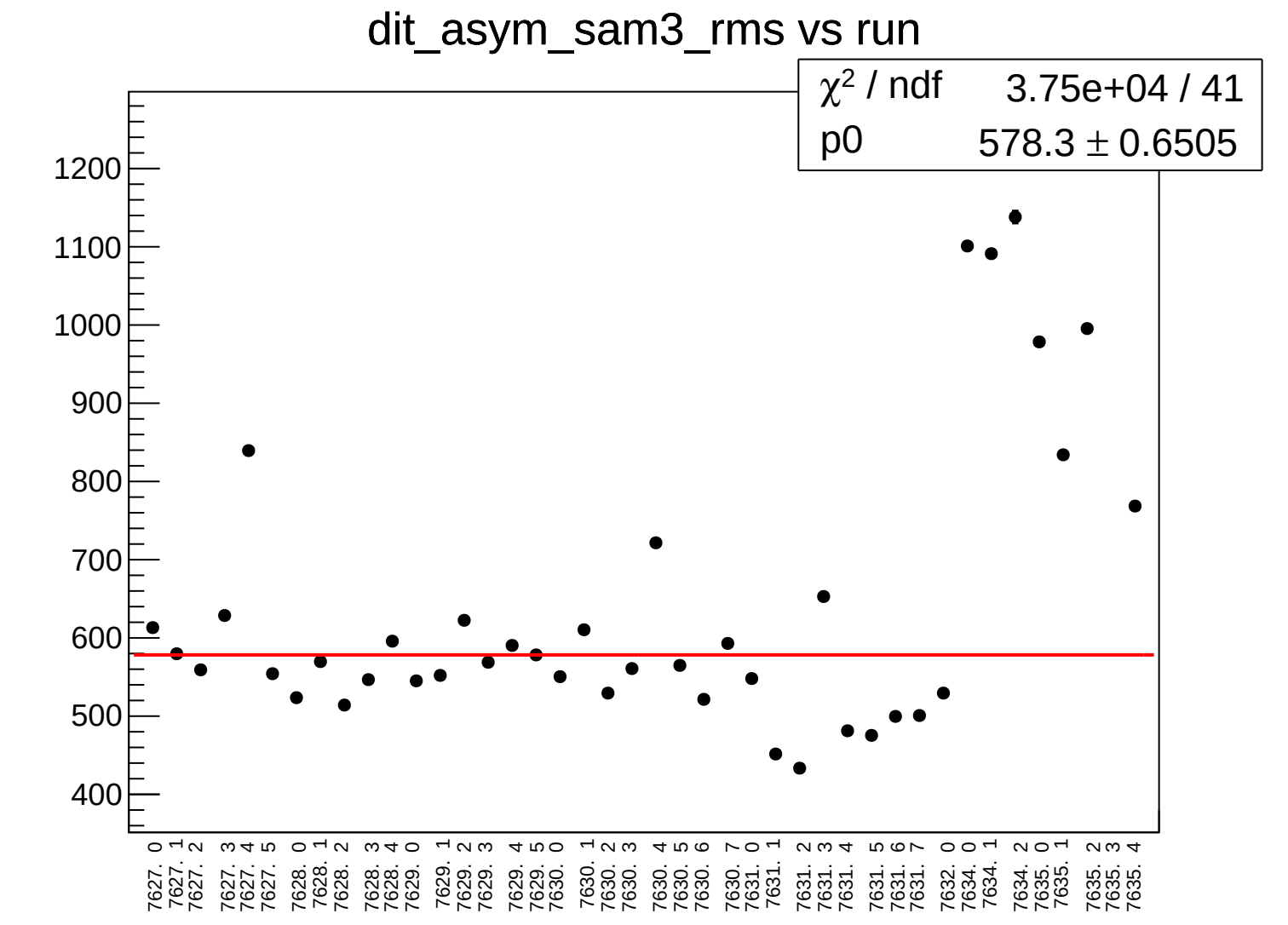

asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.6 / 41
p0 7270 ± 6712
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 153.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

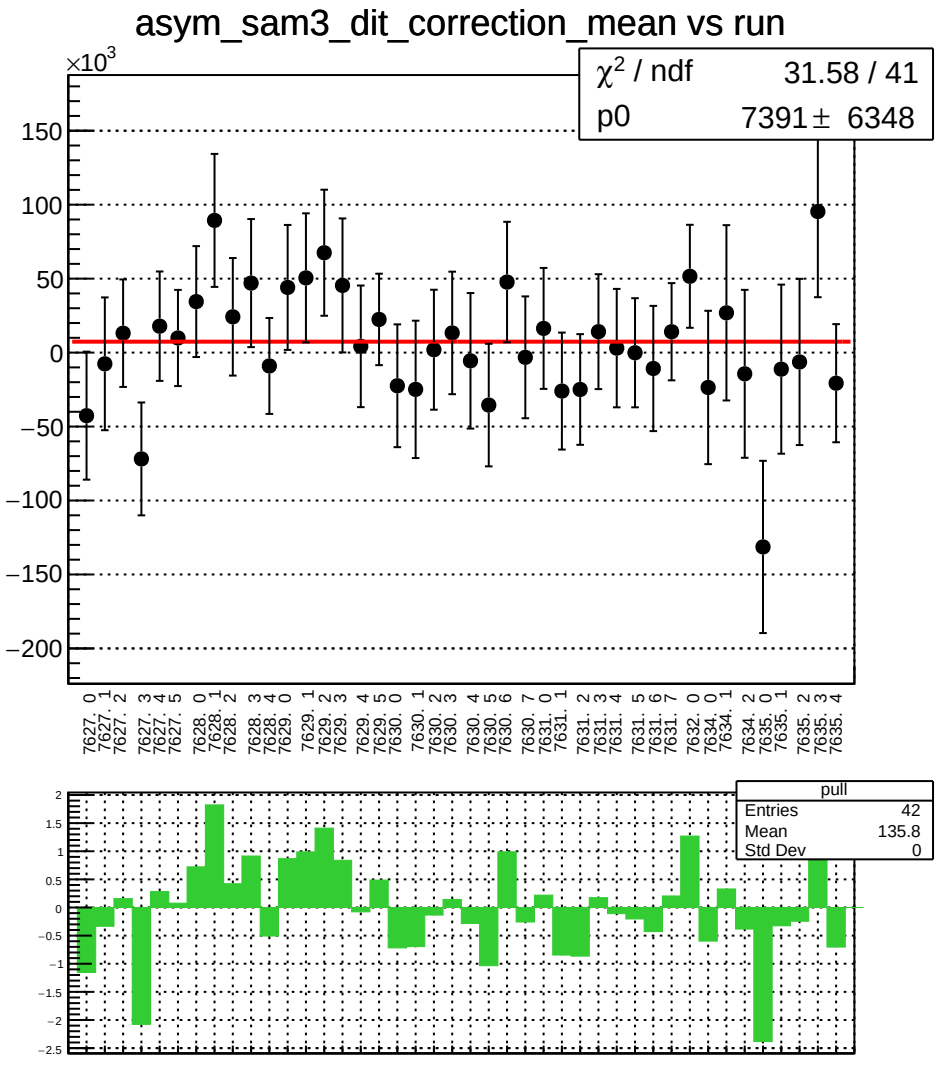

pull1D
Entries 42
Mean −0.01069
Std Dev 0.8673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

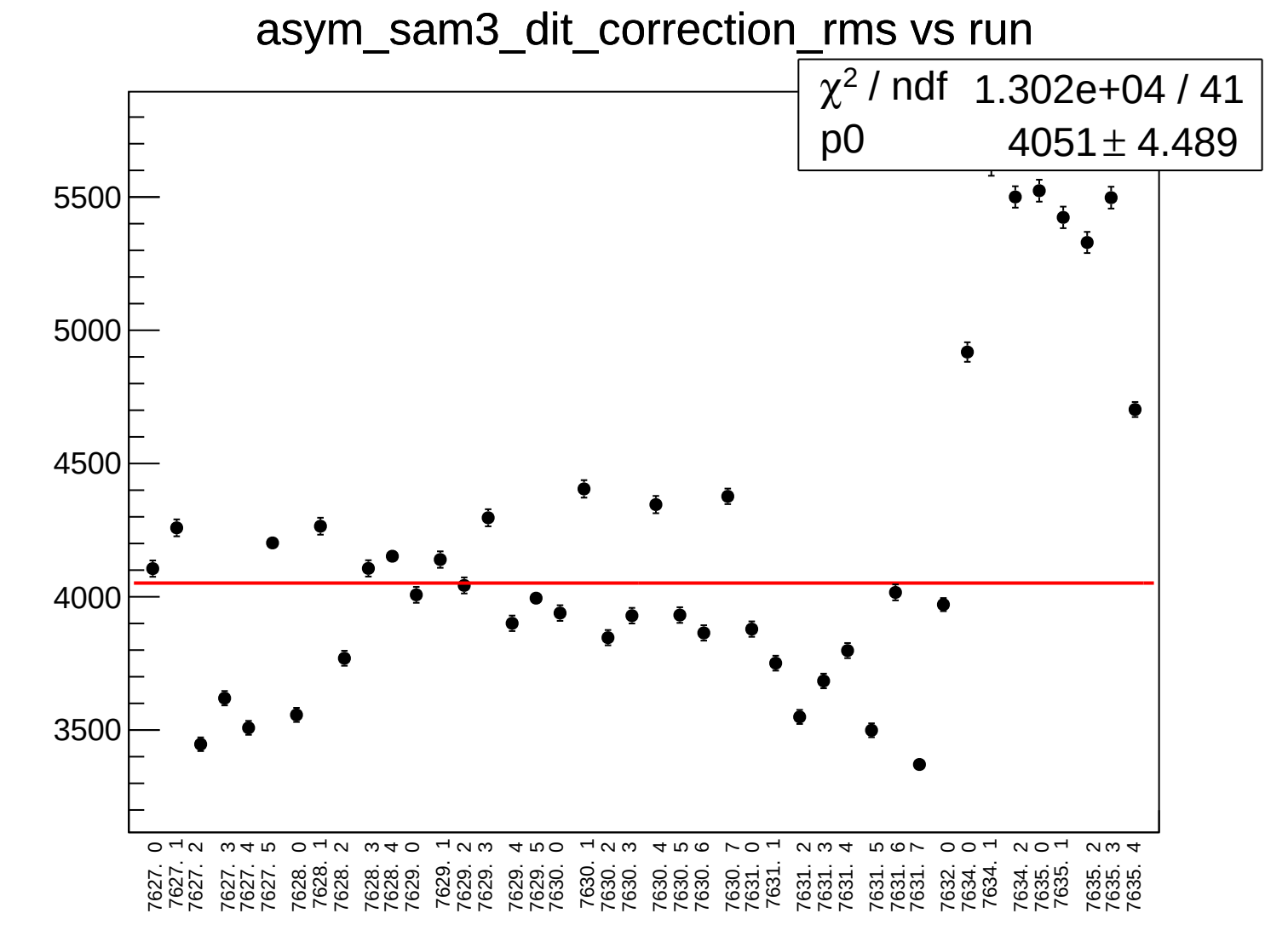

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 1.243e+04 / 41
p0 4285 ± 4.746
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

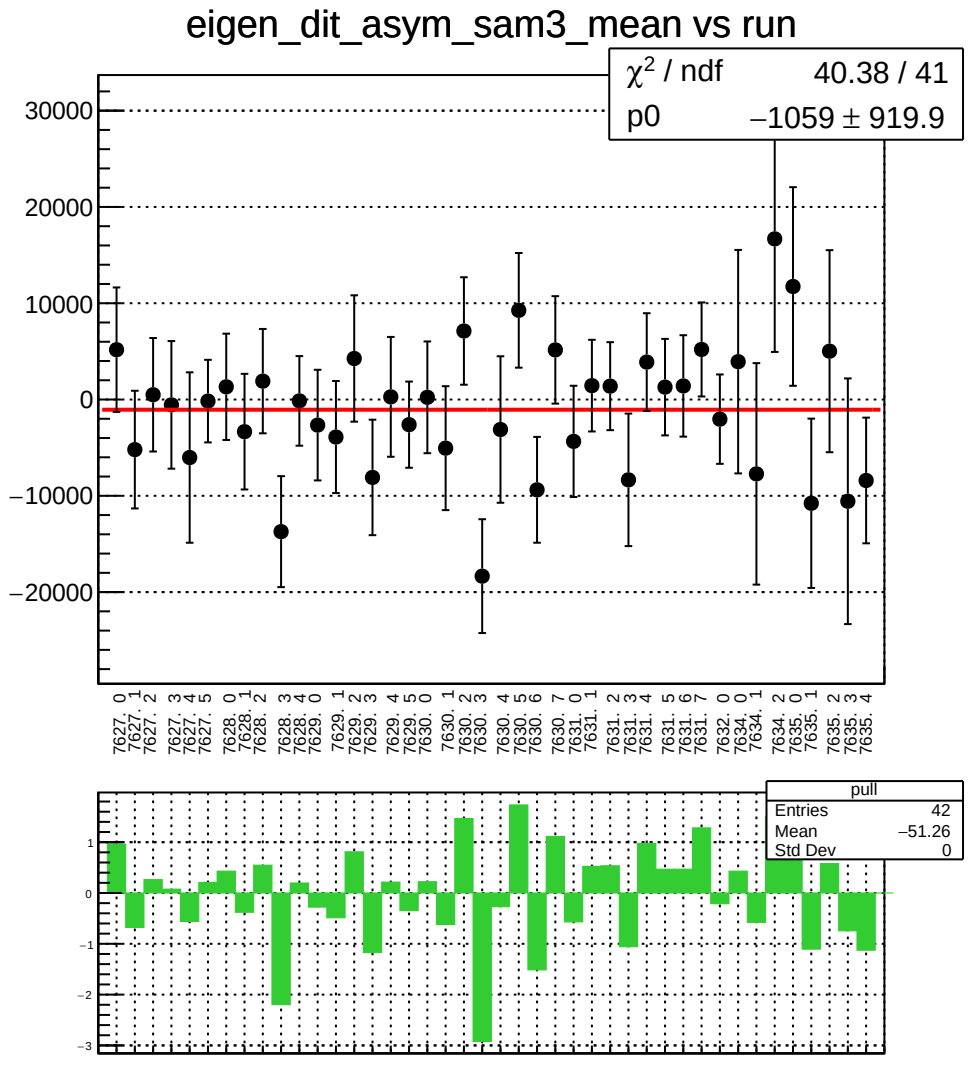

dit_asym_sam3_mean vs run
χ² / ndf 40.38 / 41
p0 −1059 ± 919.9
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −51.26
Std Dev 0
1
0
−1
−2
−3

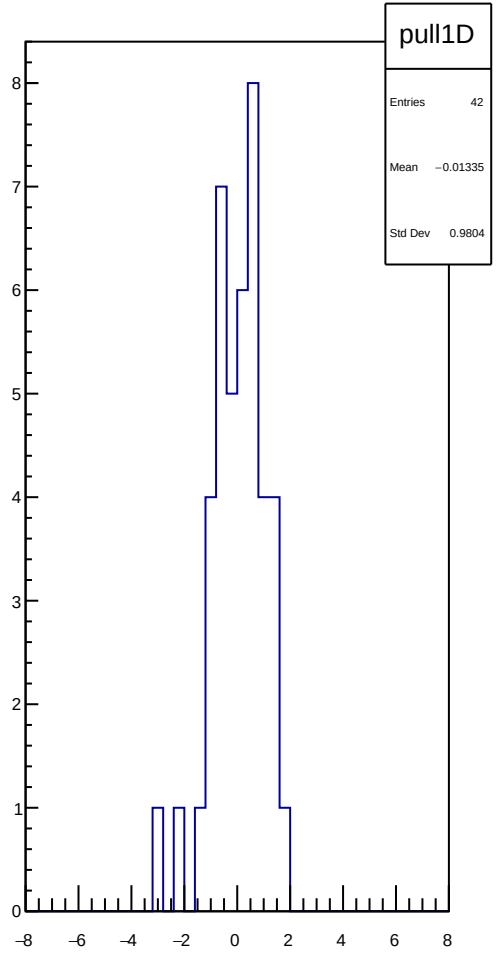

pull1D
Entries 42
Mean −0.01335
Std Dev 0.9805
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

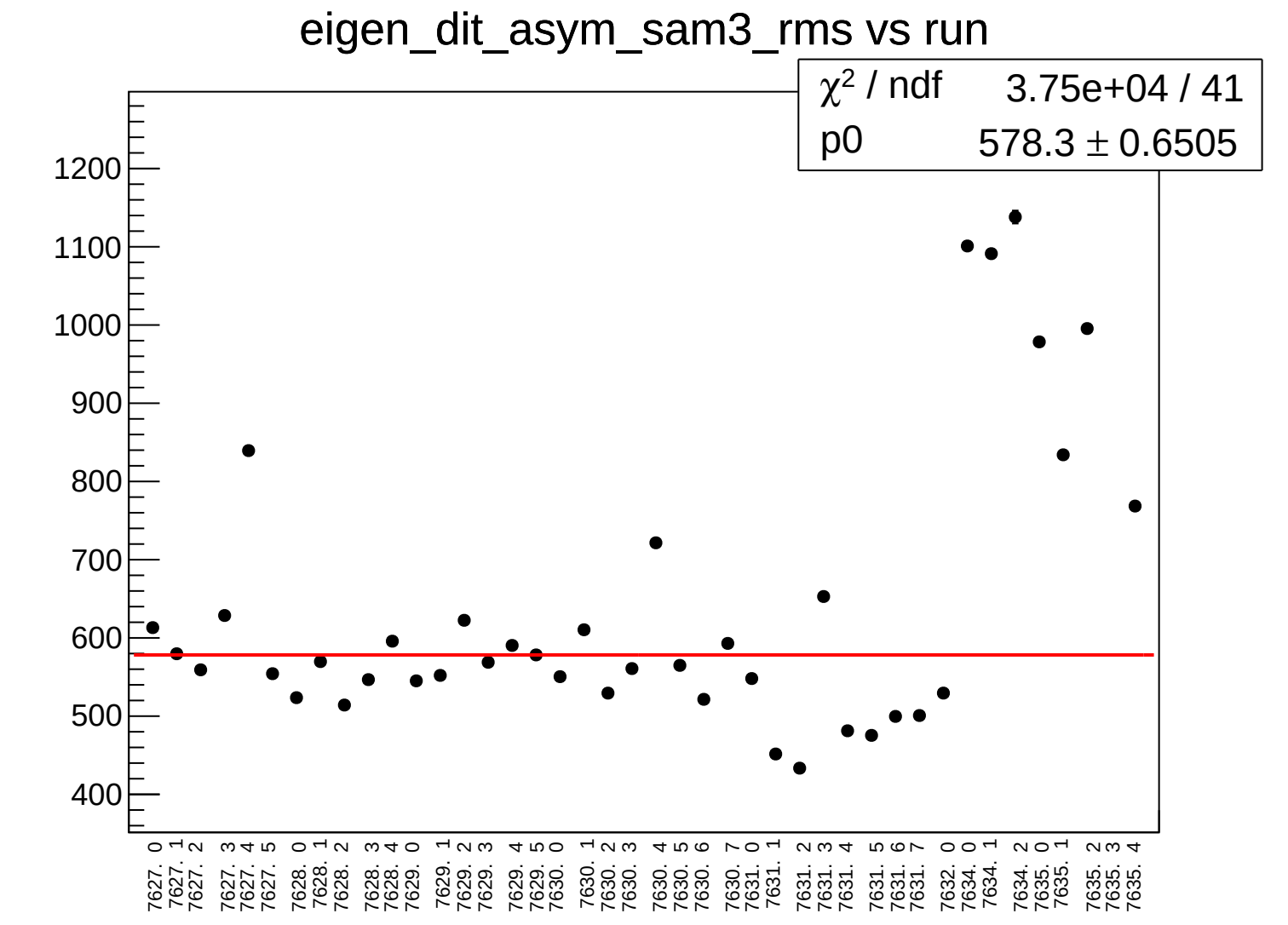

dit_asym_sam3_rms vs run
χ² / ndf 3.75e+04 / 41
p0 578.3 ± 0.6505
1200
1100
1000
900
800
700
600
500
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

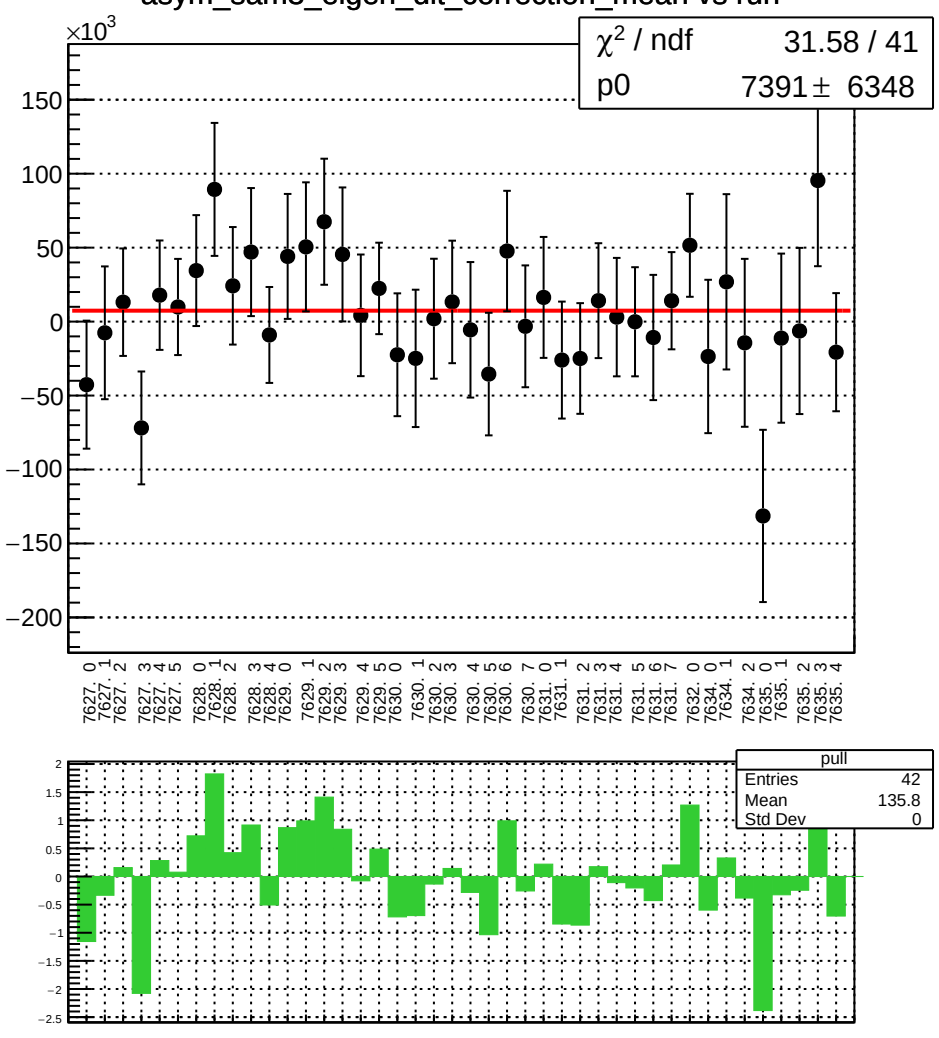

asym_sam3_dit_correction_mean vs run
×10^3
χ² / ndf 31.58 / 41
p0 7391 ± 6348
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 135.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01217
Std Dev 0.8671
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

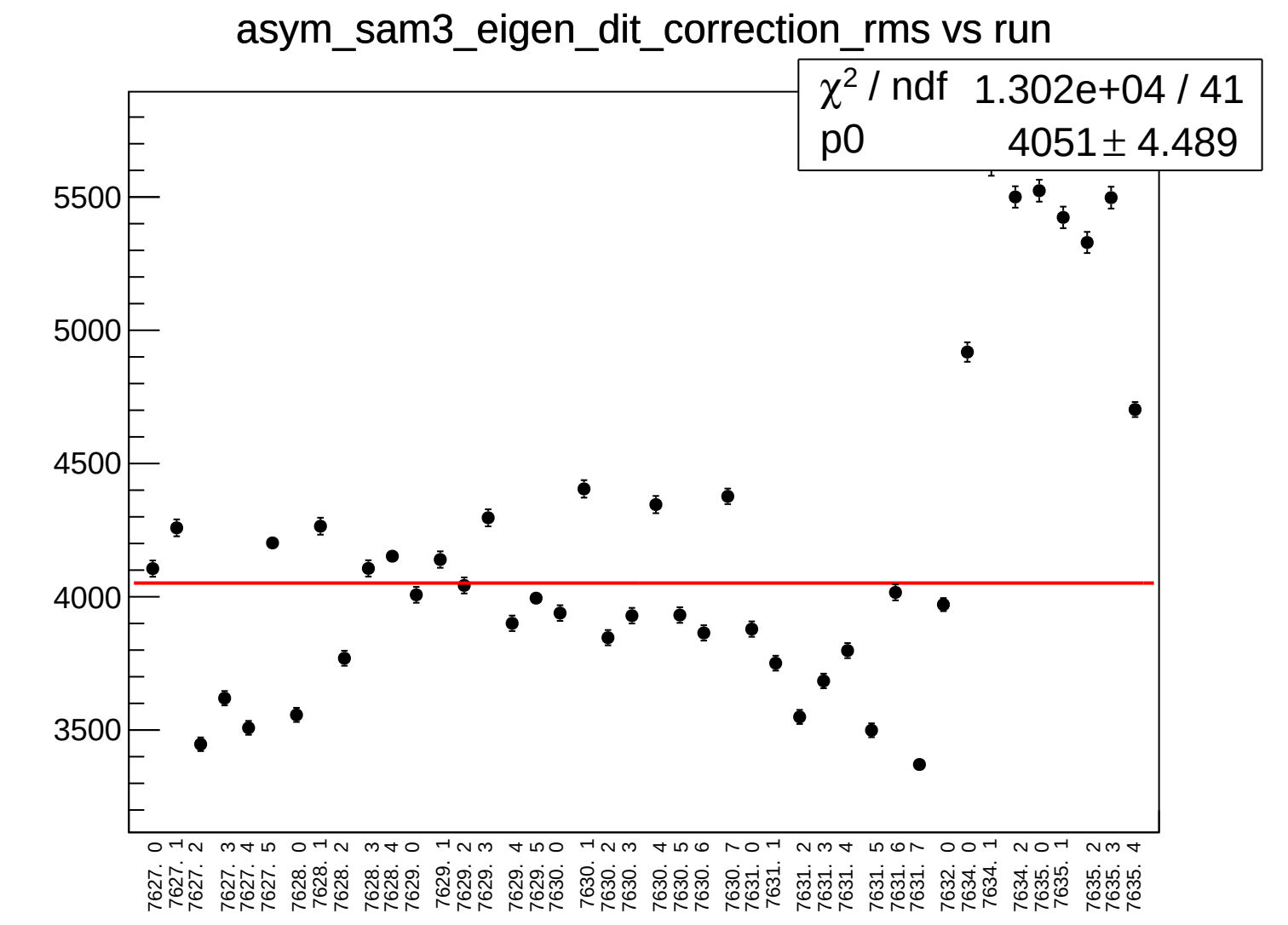

asym_sam3_dit_correction_rms vs run
χ² / ndf 1.302e+04 / 41
p0 4051 ± 4.489
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

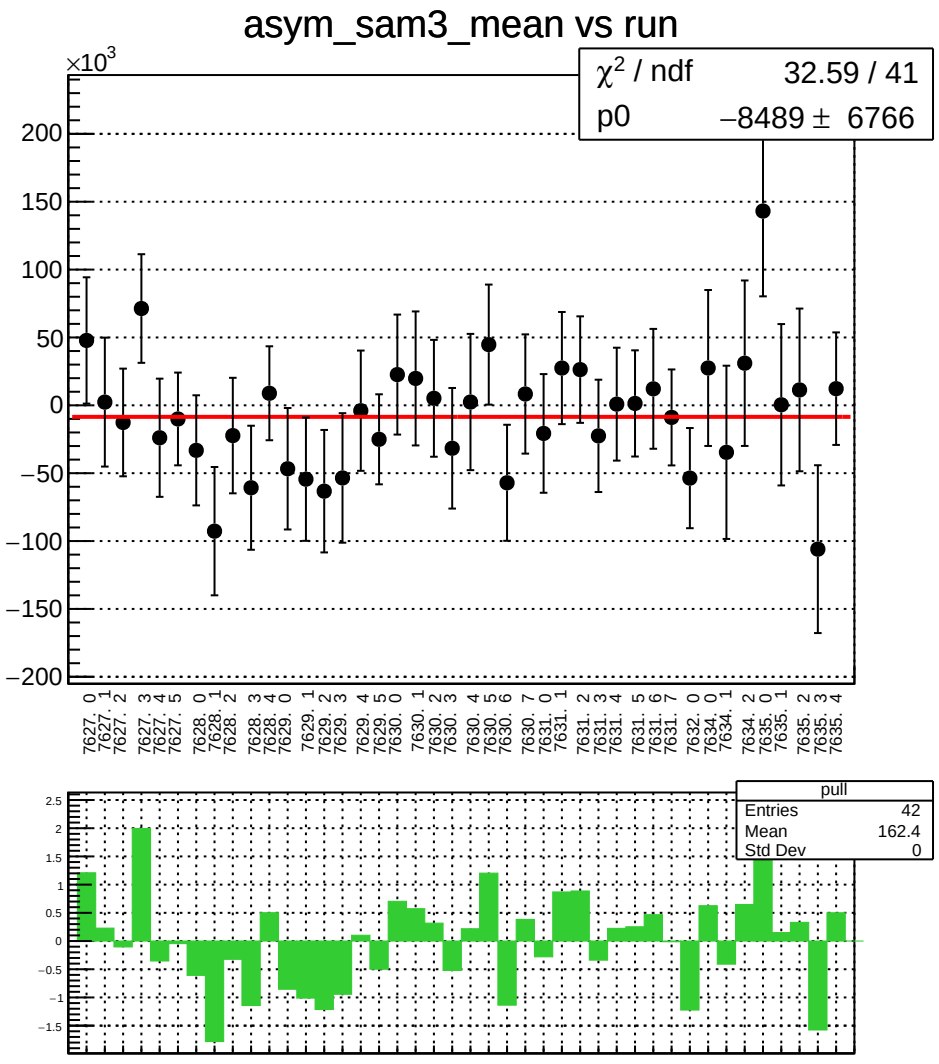

eigen_dit_asym_sam3_mean vs run
χ² / ndf 40.38 / 41
p0 −1059 ± 919.9
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −51.26
Std Dev 0
1
0
−1
−2
−3

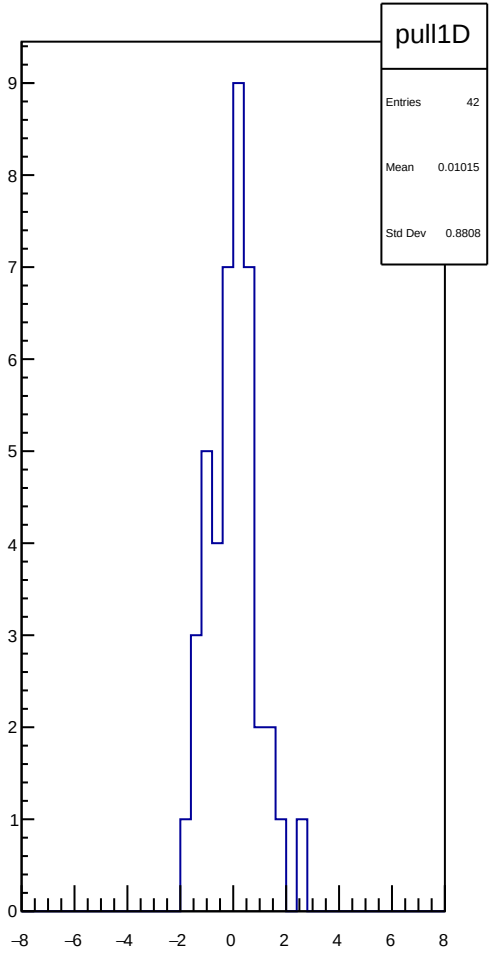

pull1D
Entries 42
Mean −0.01335
Std Dev 0.9804
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

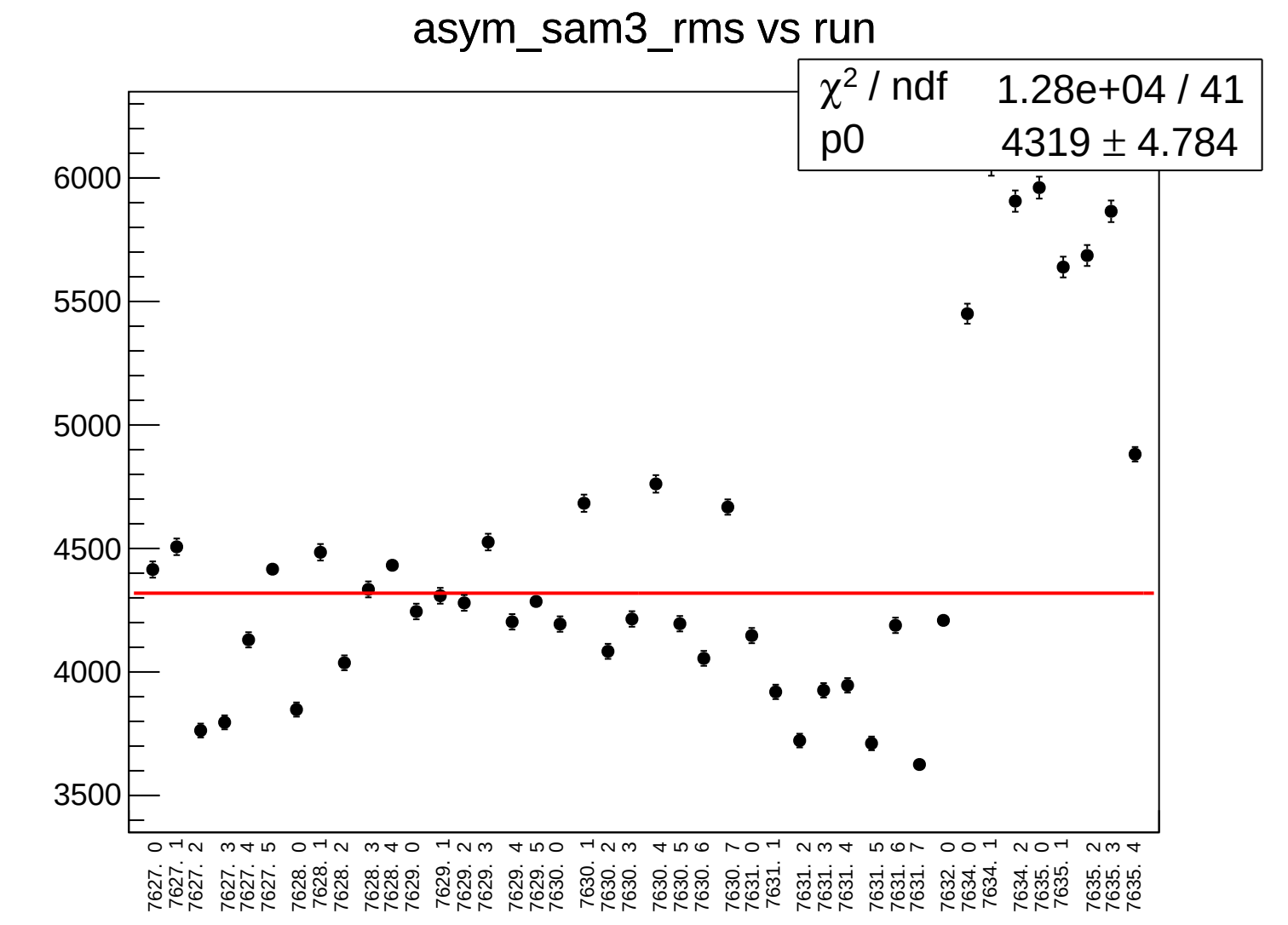

eigen_dit_asym_sam3_rms vs run
χ² / ndf 3.75e+04 / 41
p0 578.3 ± 0.6505
1200
1100
1000
900
800
700
600
500
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

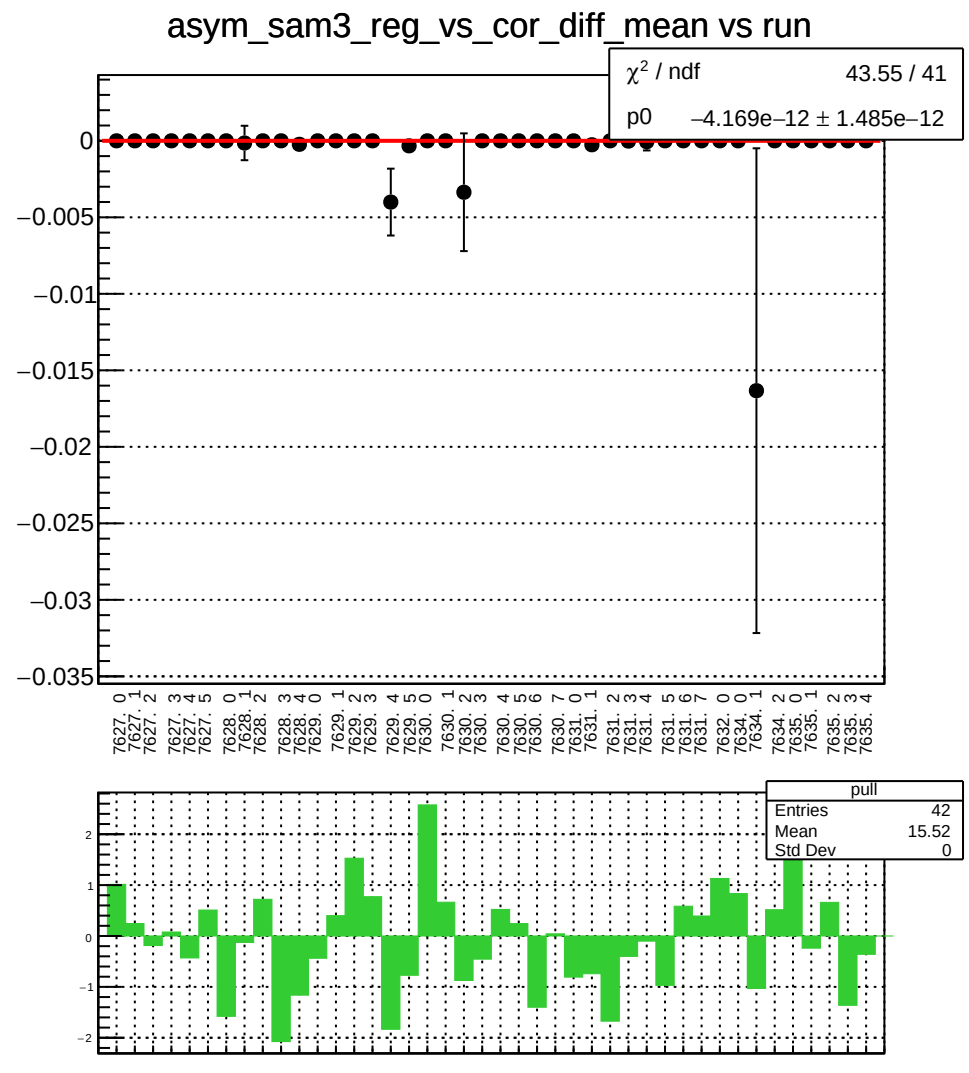

asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 31.58 / 41
p0 7391 ± 6348
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 135.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01217
Std Dev 0.8671
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

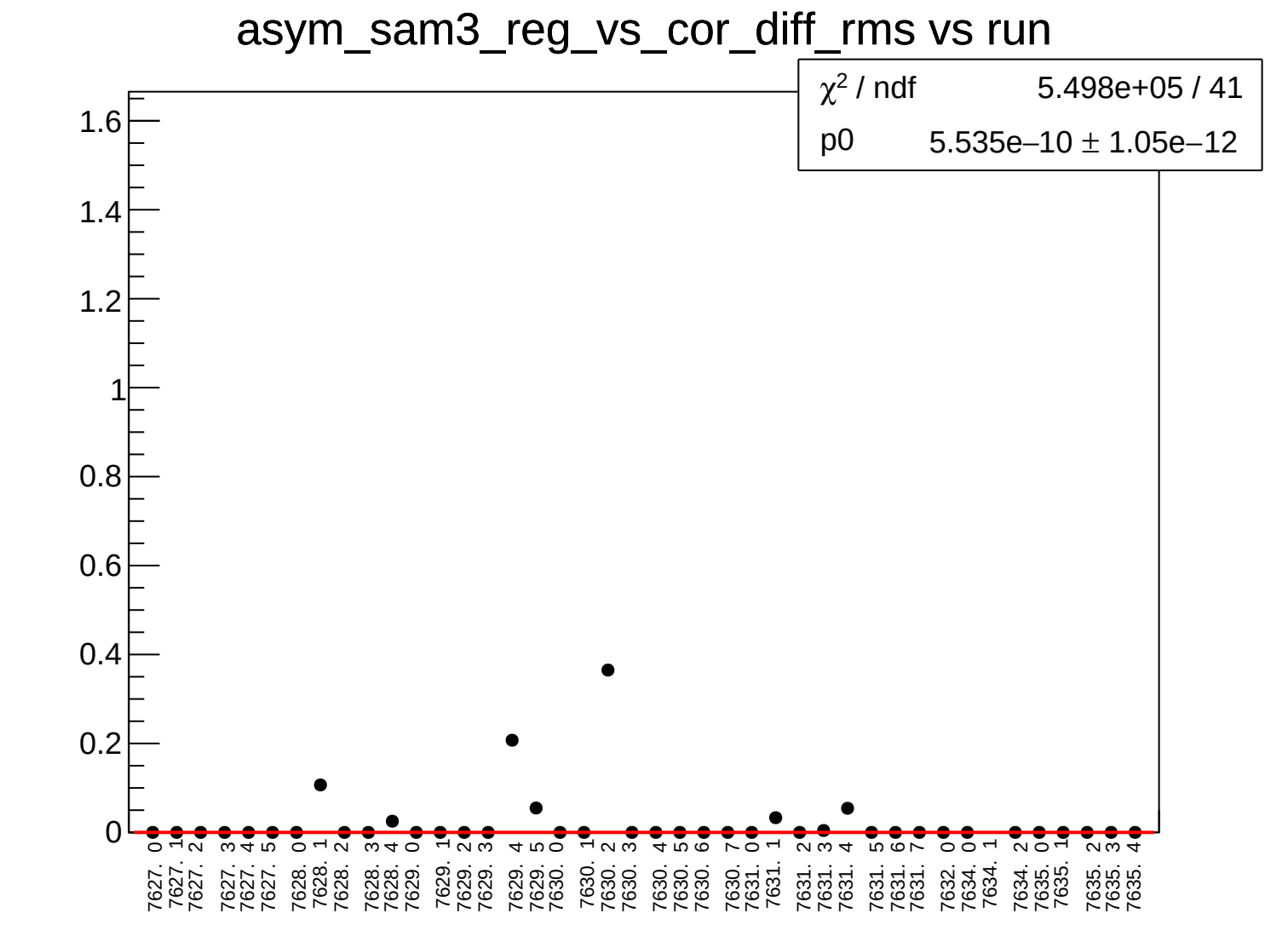

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 1.302e+04 / 41
p0 4051 ± 4.489
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

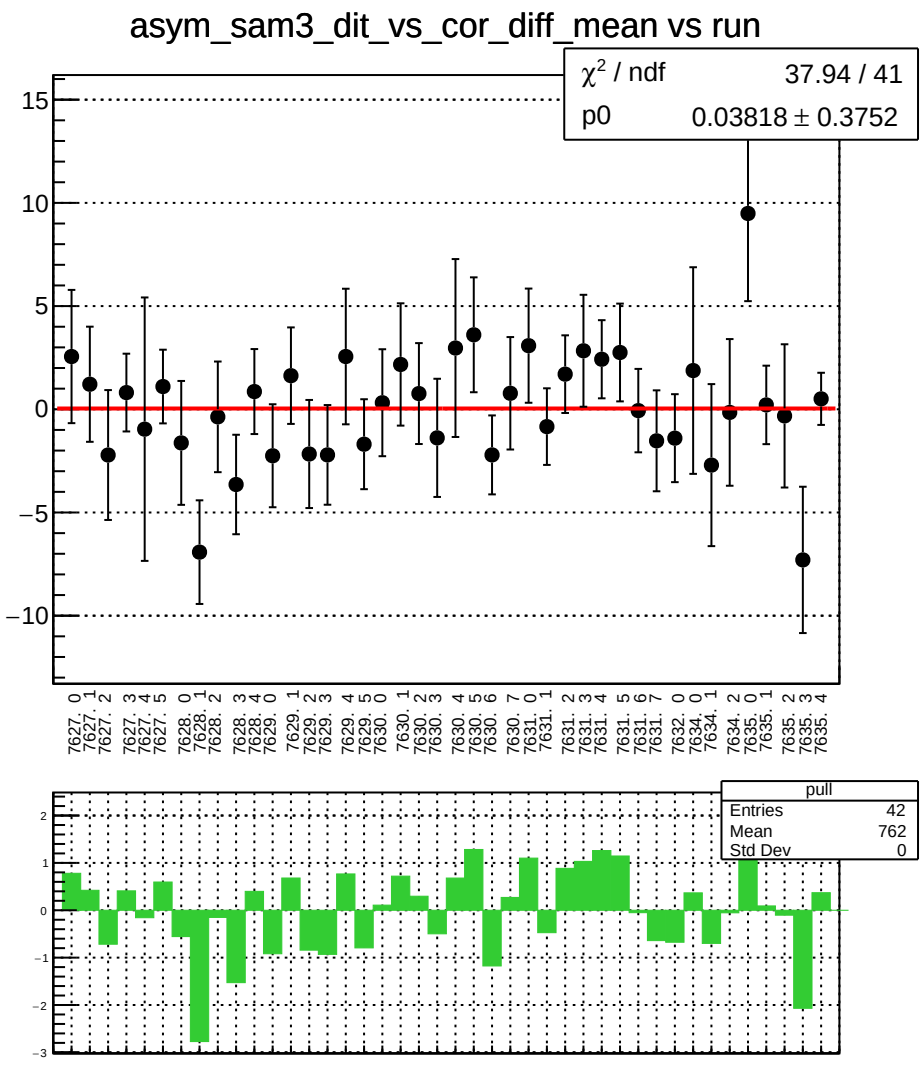

asym_sam3_mean vs run
×10^3
χ² / ndf 32.59 / 41
p0 −8489 ± 6766
200
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 162.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

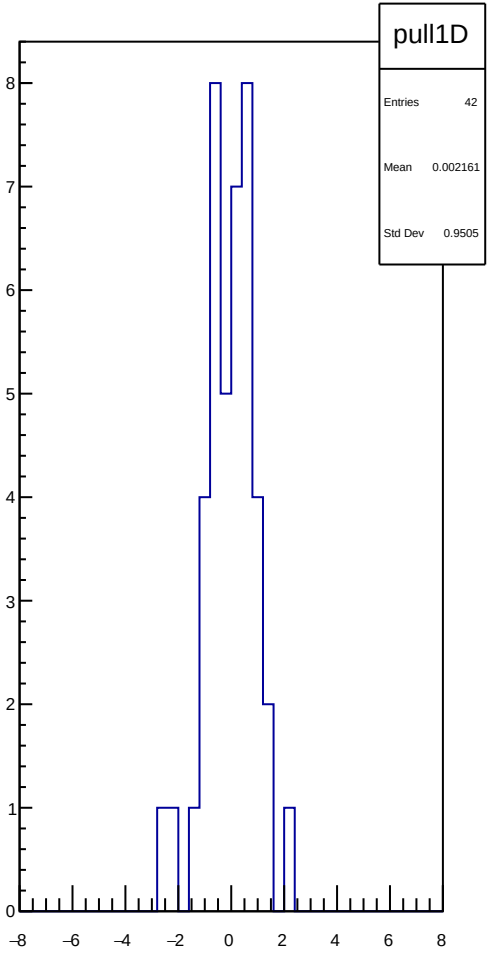

pull1D
Entries 42
Mean 0.01015
Std Dev 0.8808
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

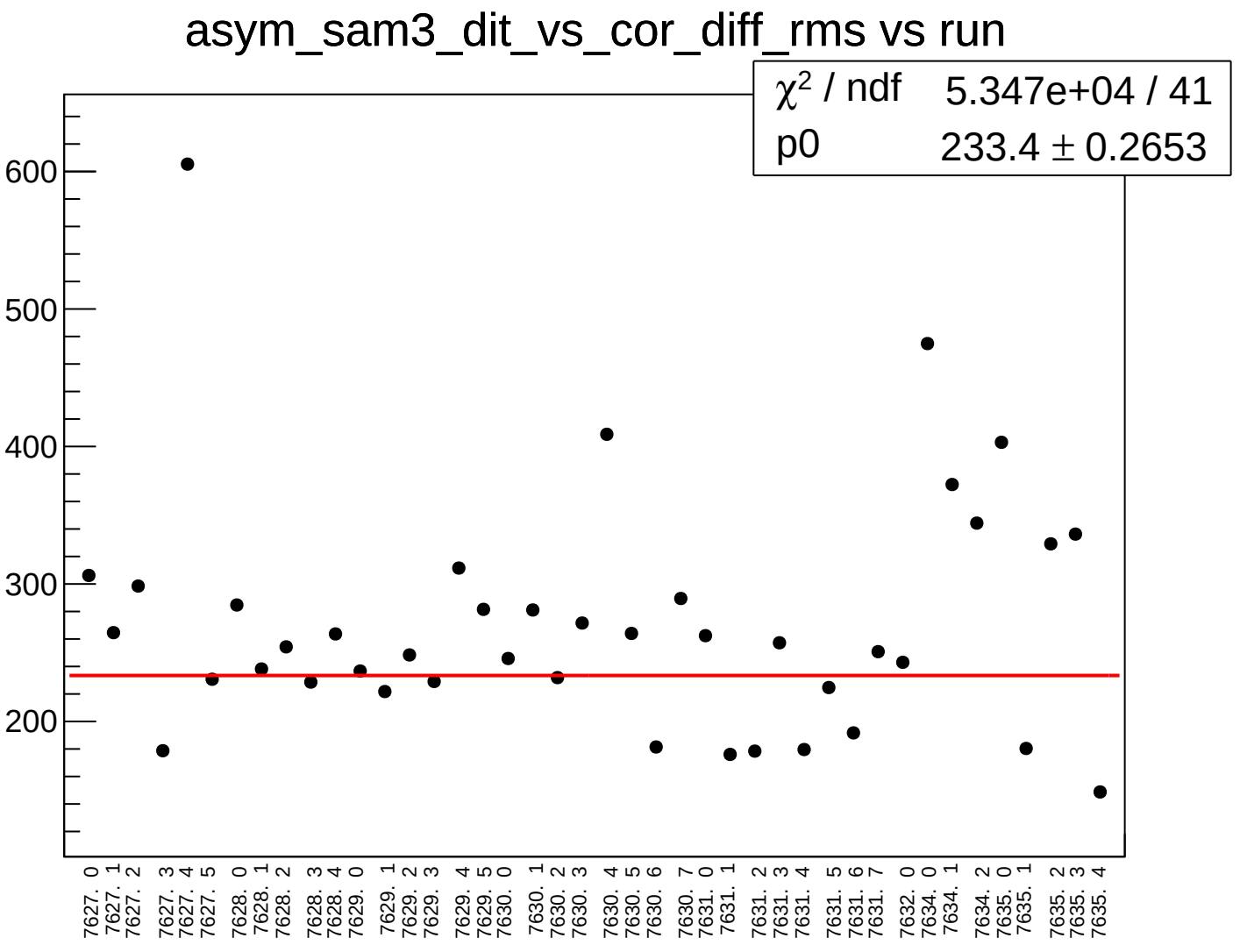

asym_sam3_rms vs run
χ² / ndf 1.28e+04 / 41
p0 4319 ± 4.784
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

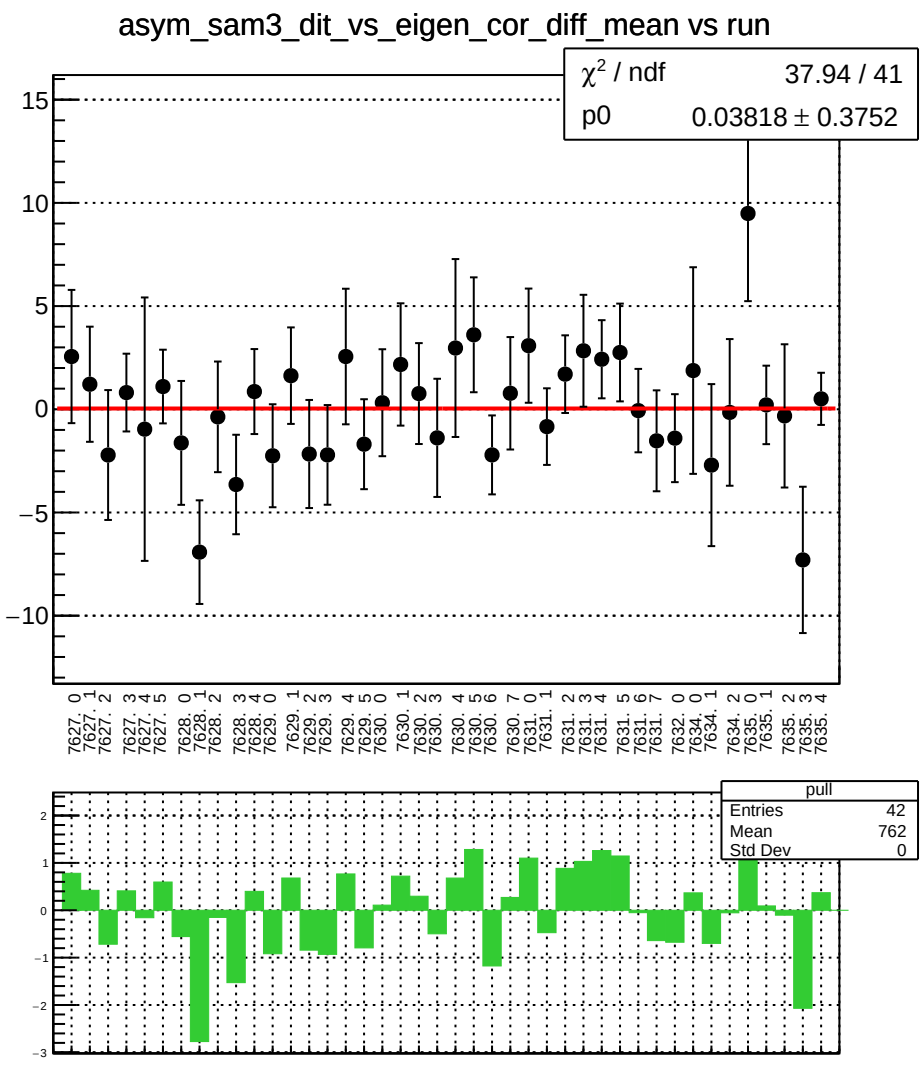

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 43.55 / 41
p0 −4.169e−12 ± 1.485e−12
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
−0.035
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.52
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.08344
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

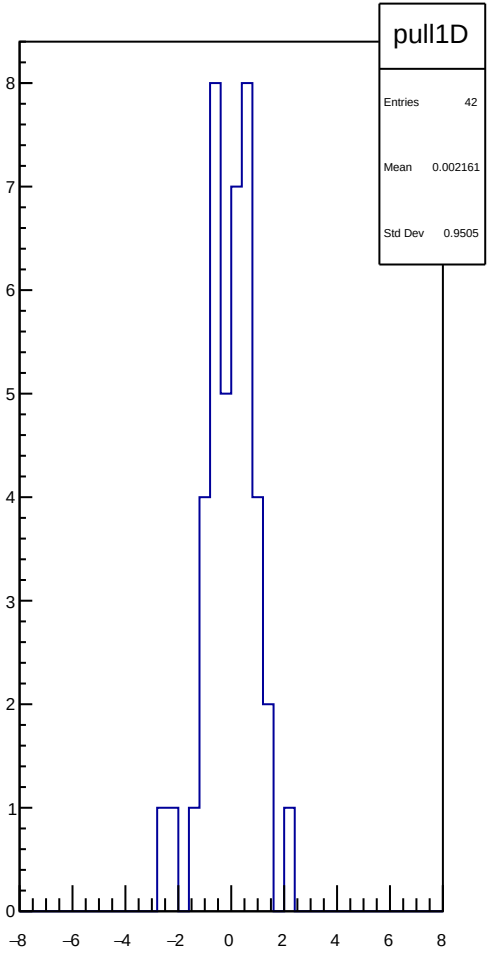

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 5.498e+05 / 41
p0 5.535e−10 ± 1.05e−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

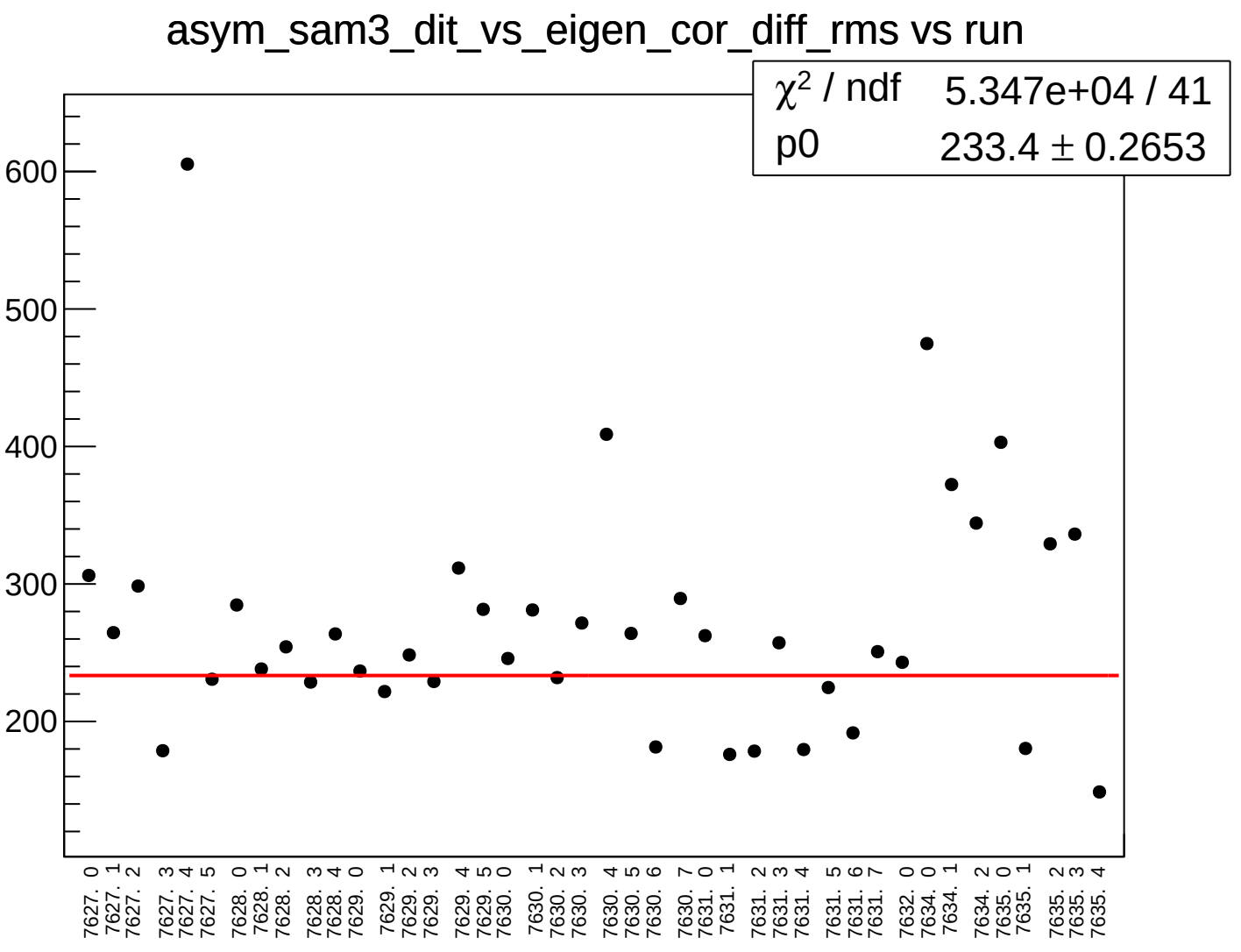

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 37.94 / 41
p0 0.03818 ± 0.3752
pull
Entries 42
Mean 762
Std Dev 0

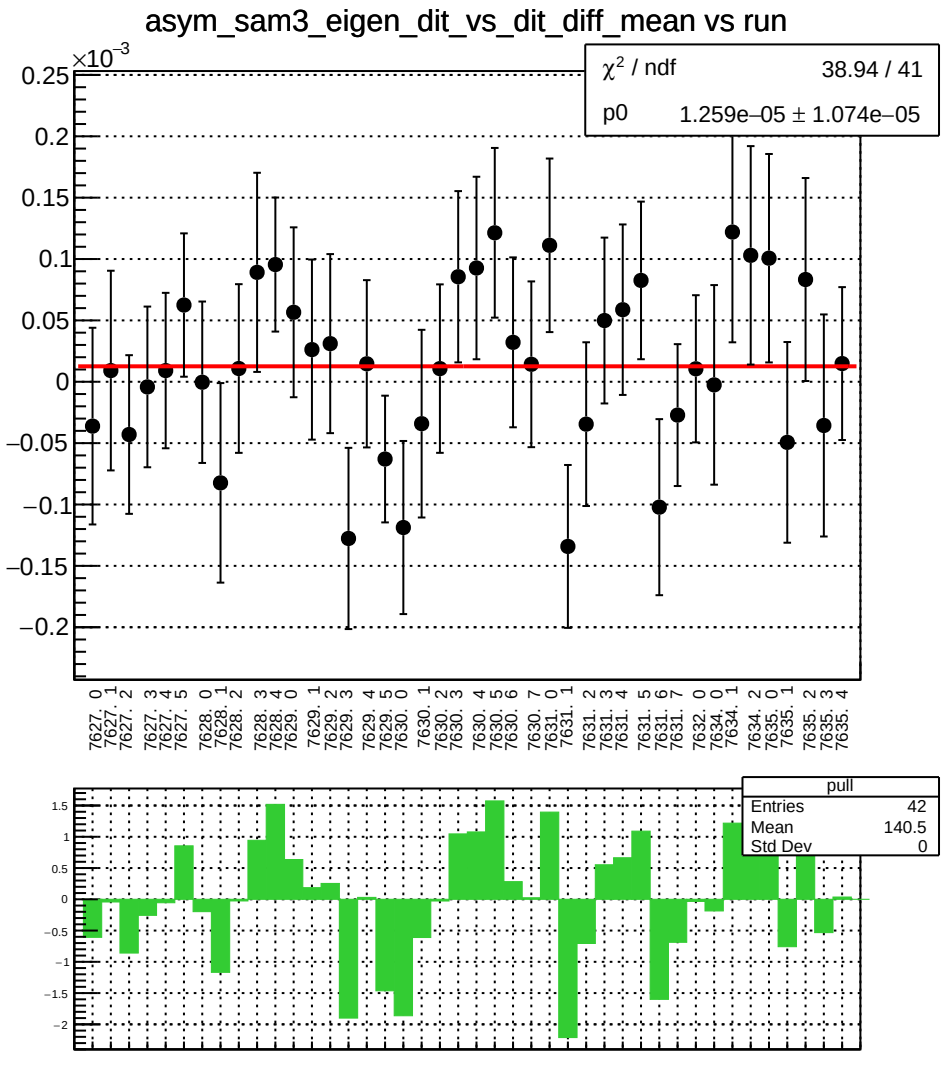

pull1D
Entries 42
Mean 0.002161
Std Dev 0.9505

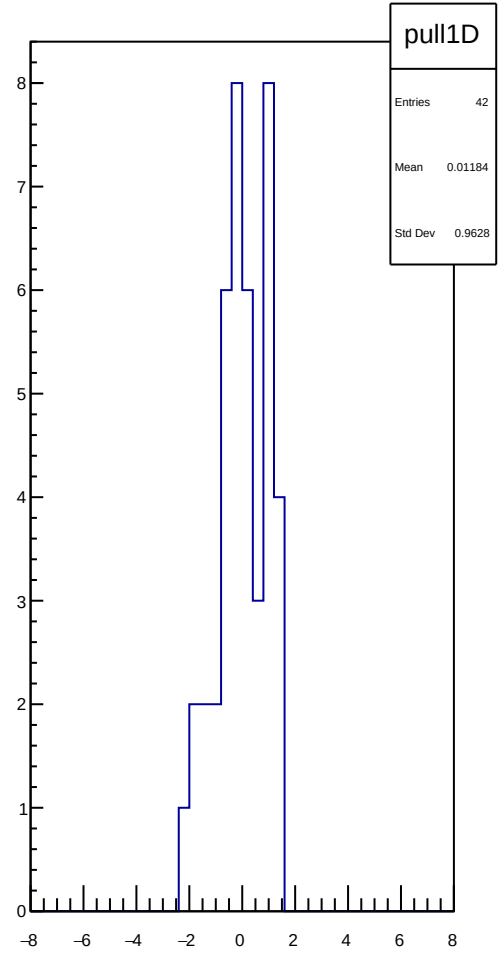

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 5.347e+04 / 41
p0 233.4 ± 0.2653
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

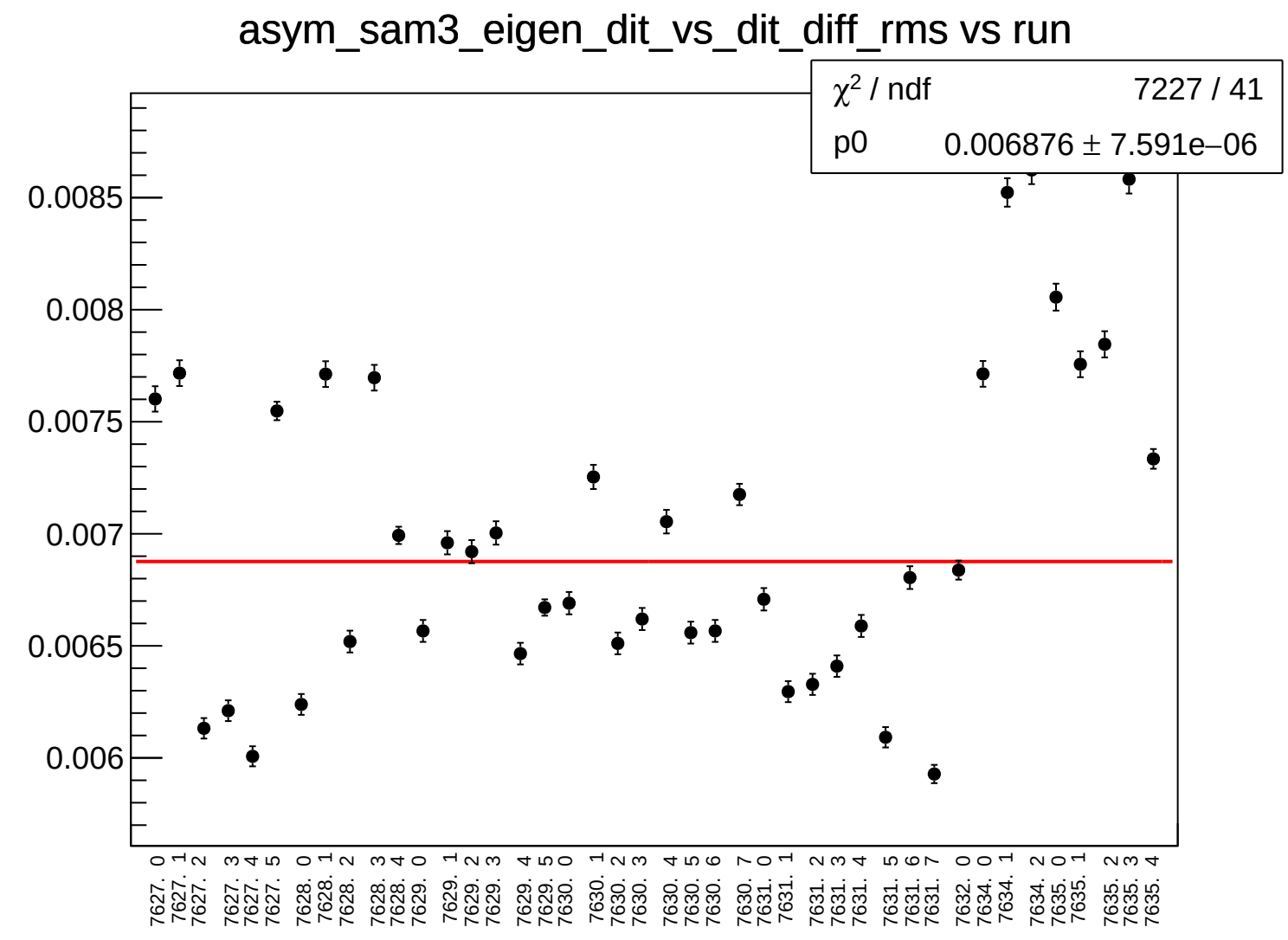

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.94 / 41
p0 0.03818 ± 0.3752
pull
Entries 42
Mean 762
Std Dev 0

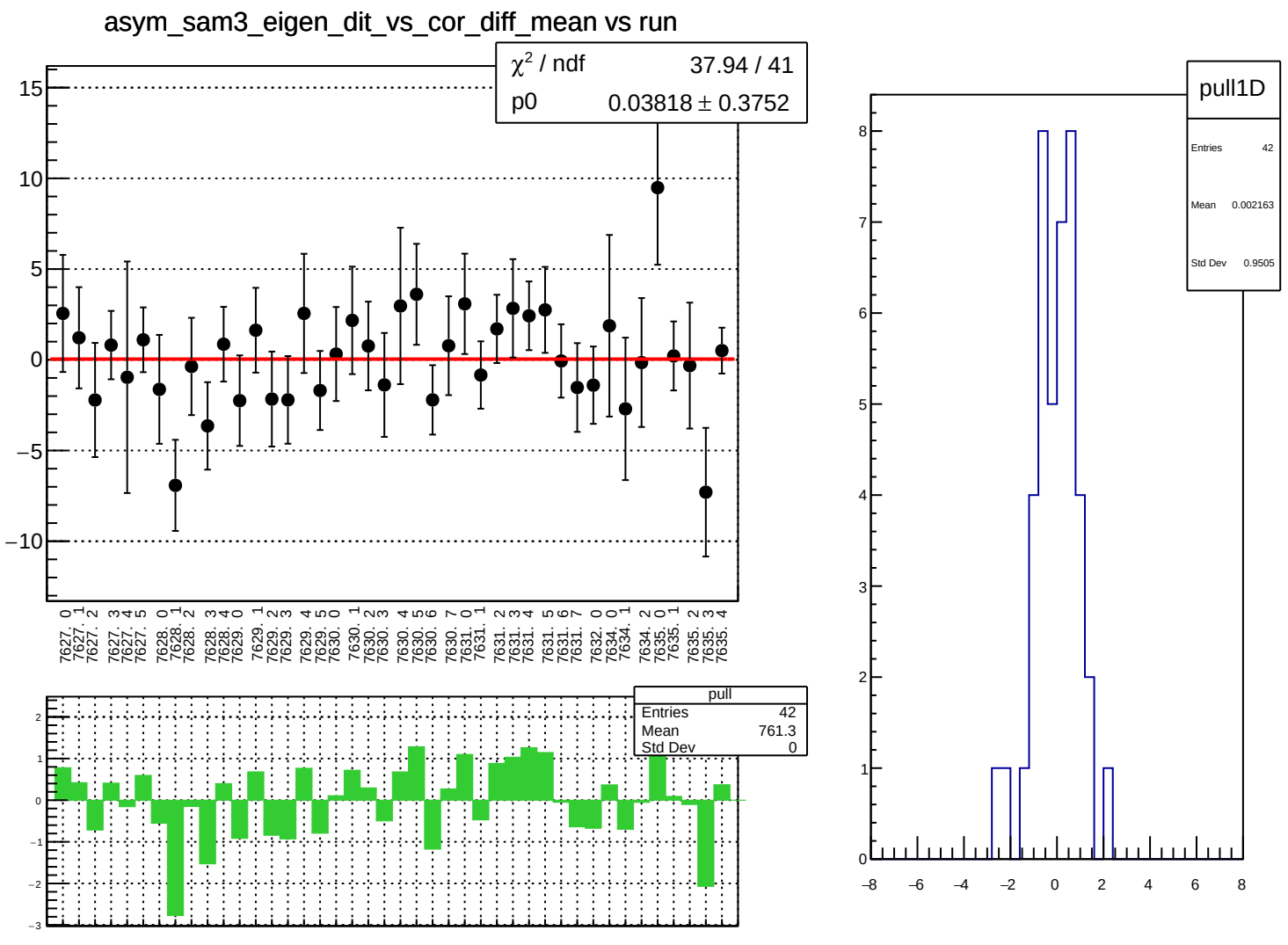

pull1D
Entries 42
Mean 0.002161
Std Dev 0.9505

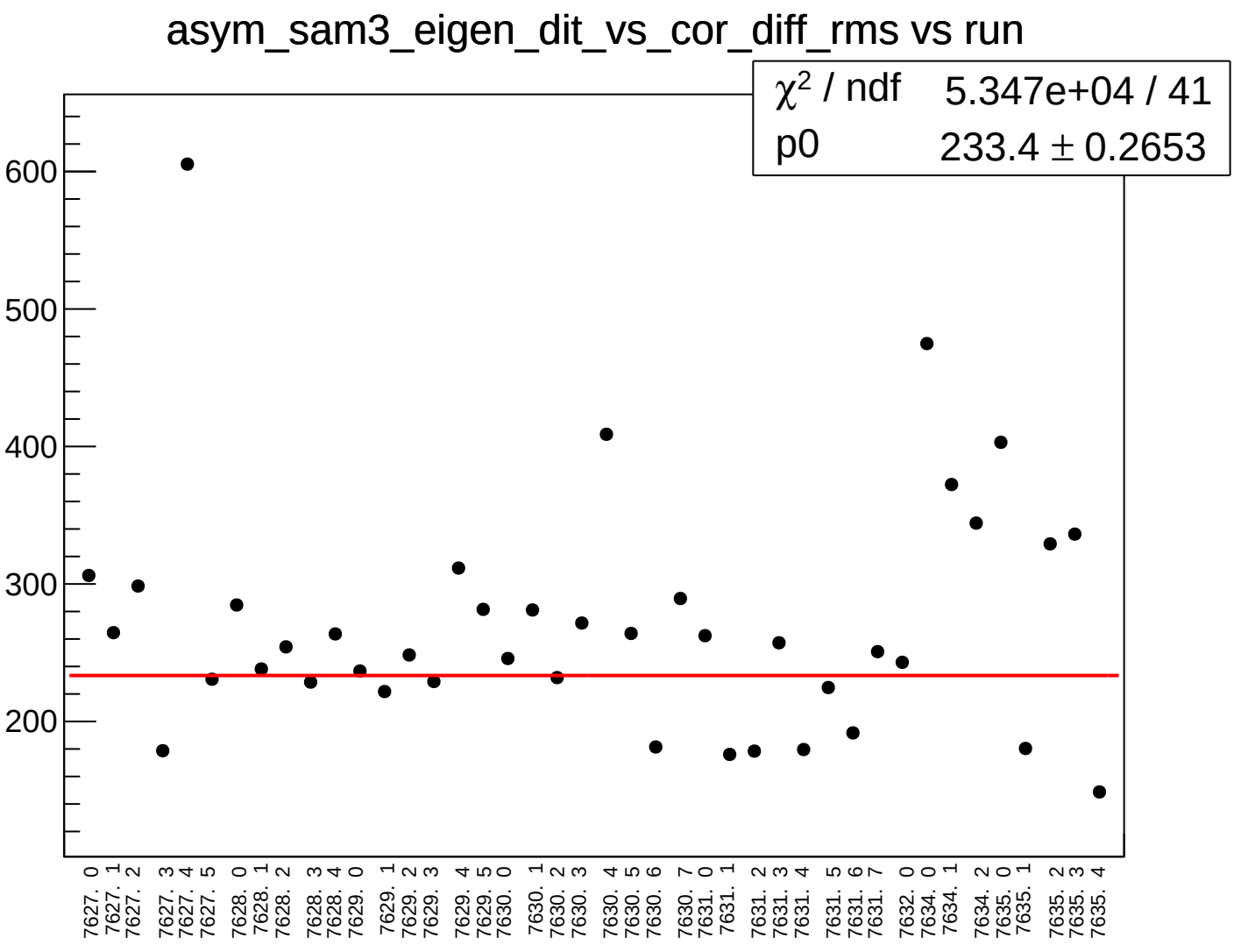

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.347e+04 / 41
p0 233.4 ± 0.2653
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

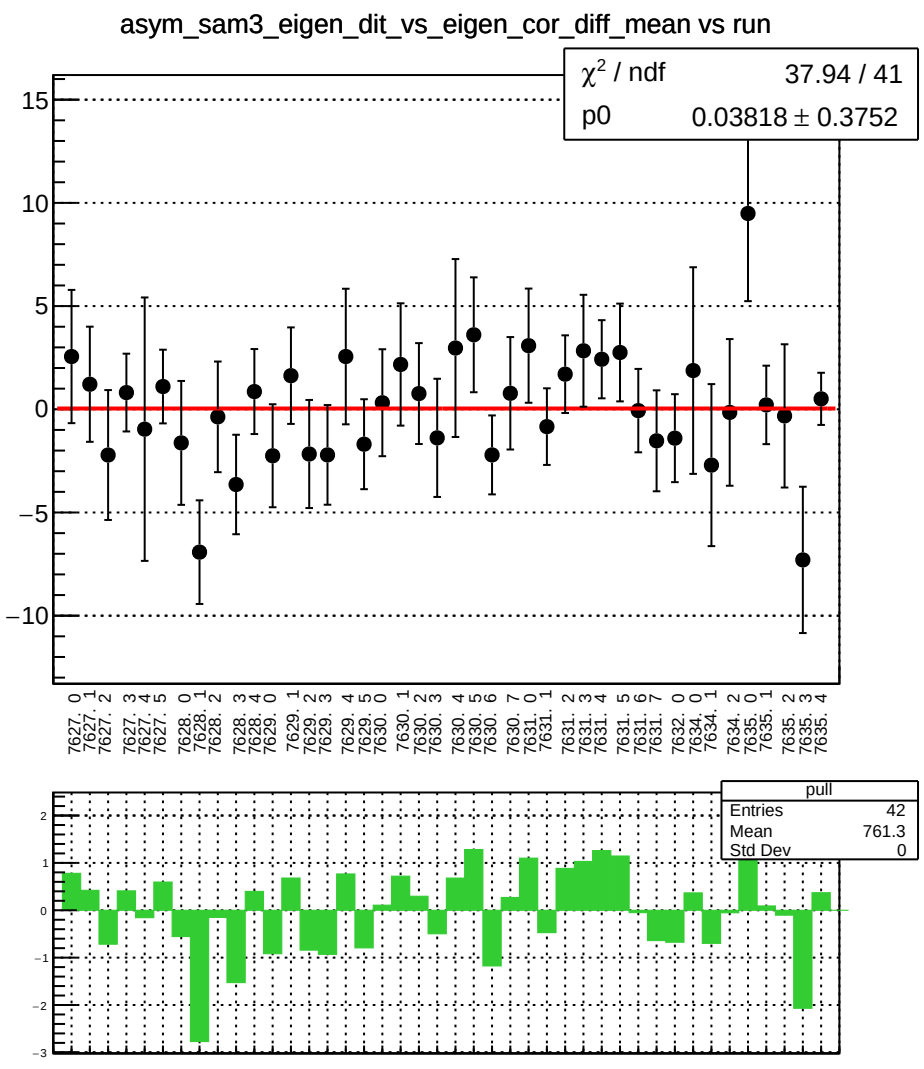

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.94 / 41
p0 1.259e−05 ± 1.074e−05
pull
Entries 42
Mean 140.5
Std Dev 0

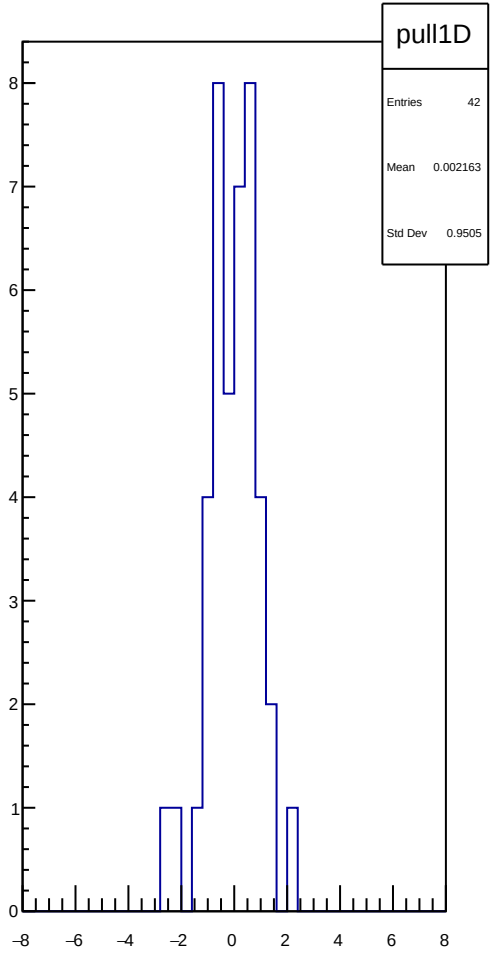

pull1D
Entries 42
Mean 0.01184
Std Dev 0.9628

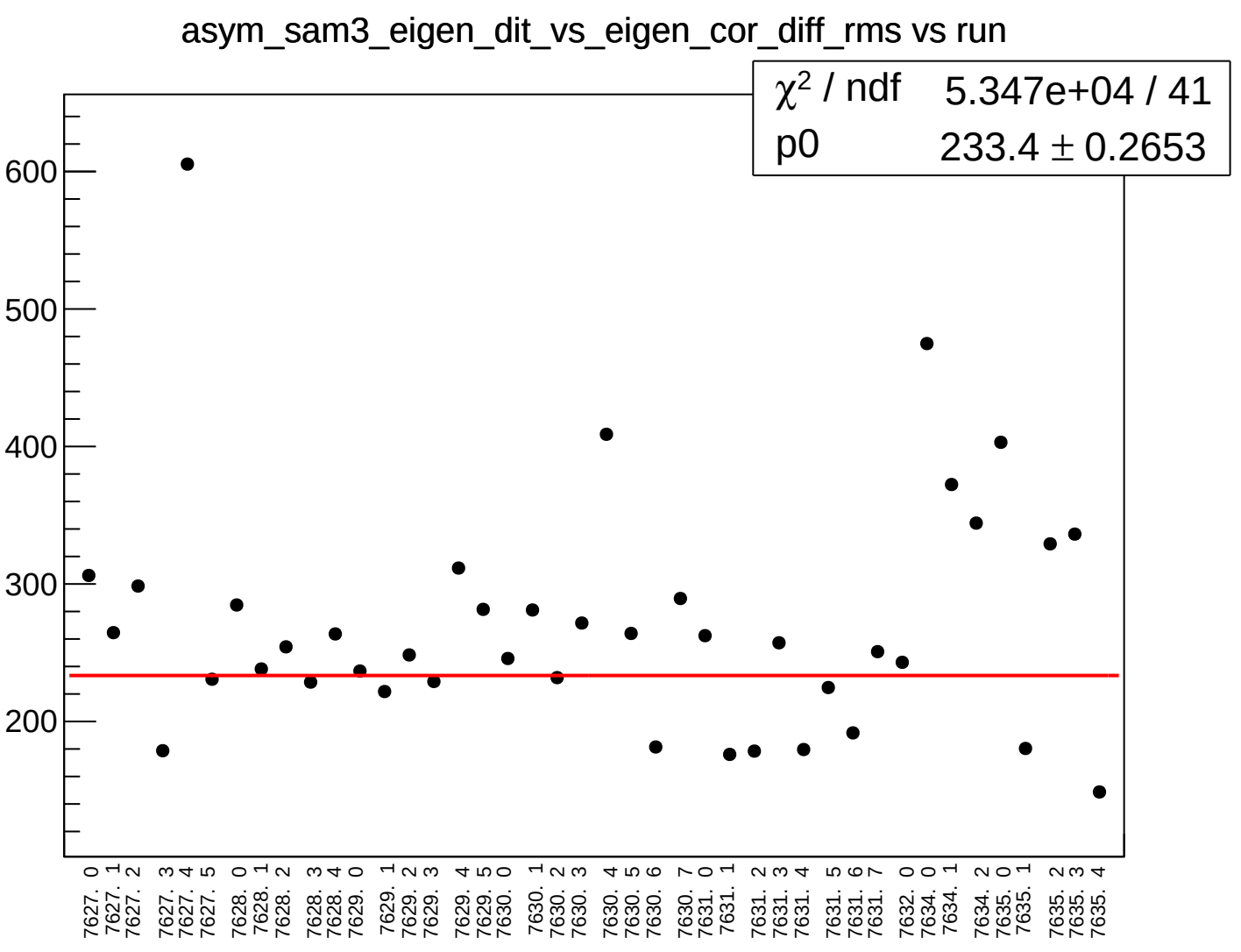

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7227 / 41
p0 0.006876 ± 7.591e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

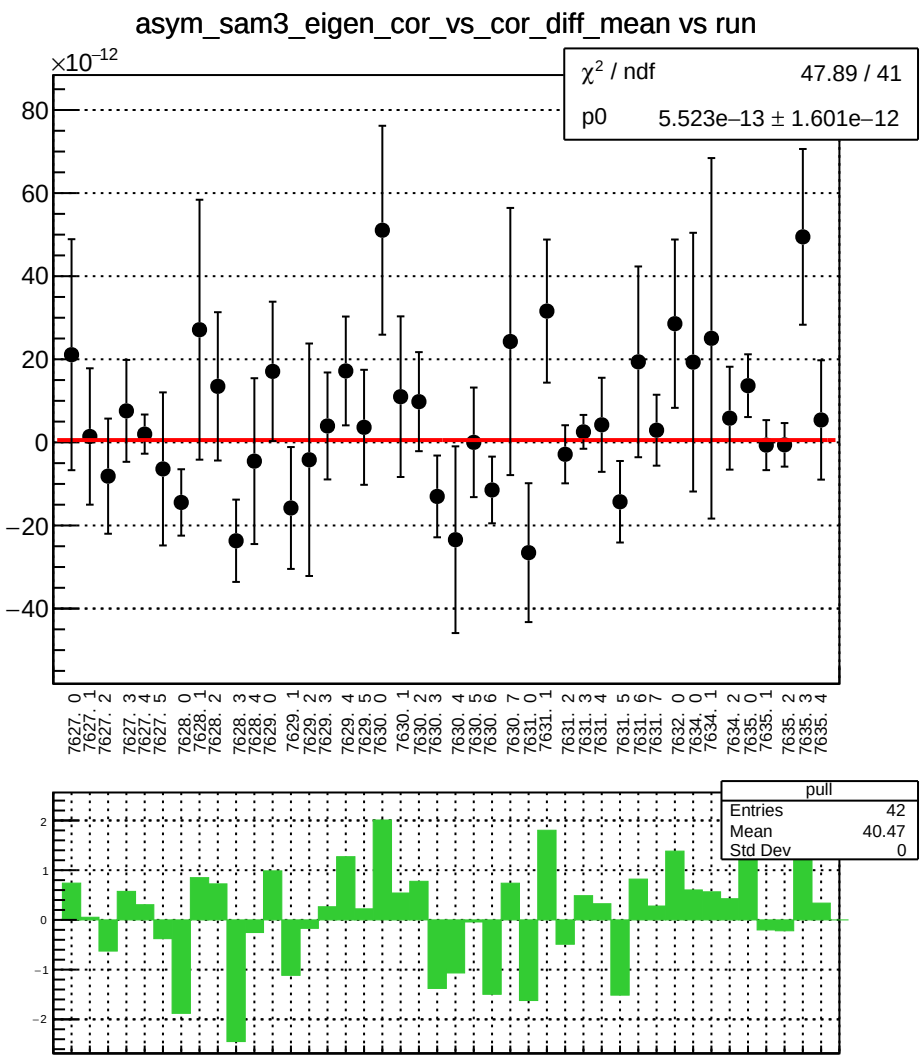

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.94 / 41
p0 0.03818 ± 0.3752
pull
Entries 42
Mean 761.3
Std Dev 0
pull1D
Entries 42
Mean 0.002163
Std Dev 0.9505

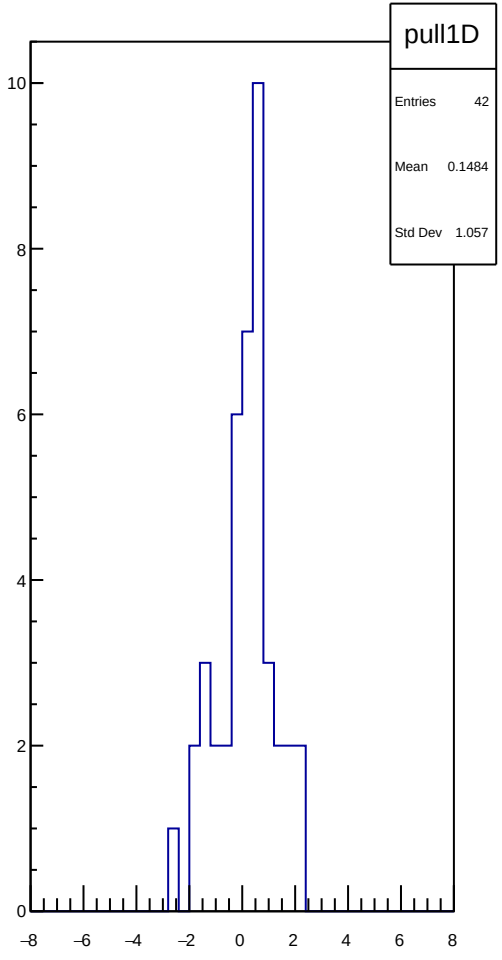

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.347e+04 / 41
p0 233.4 ± 0.2653
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

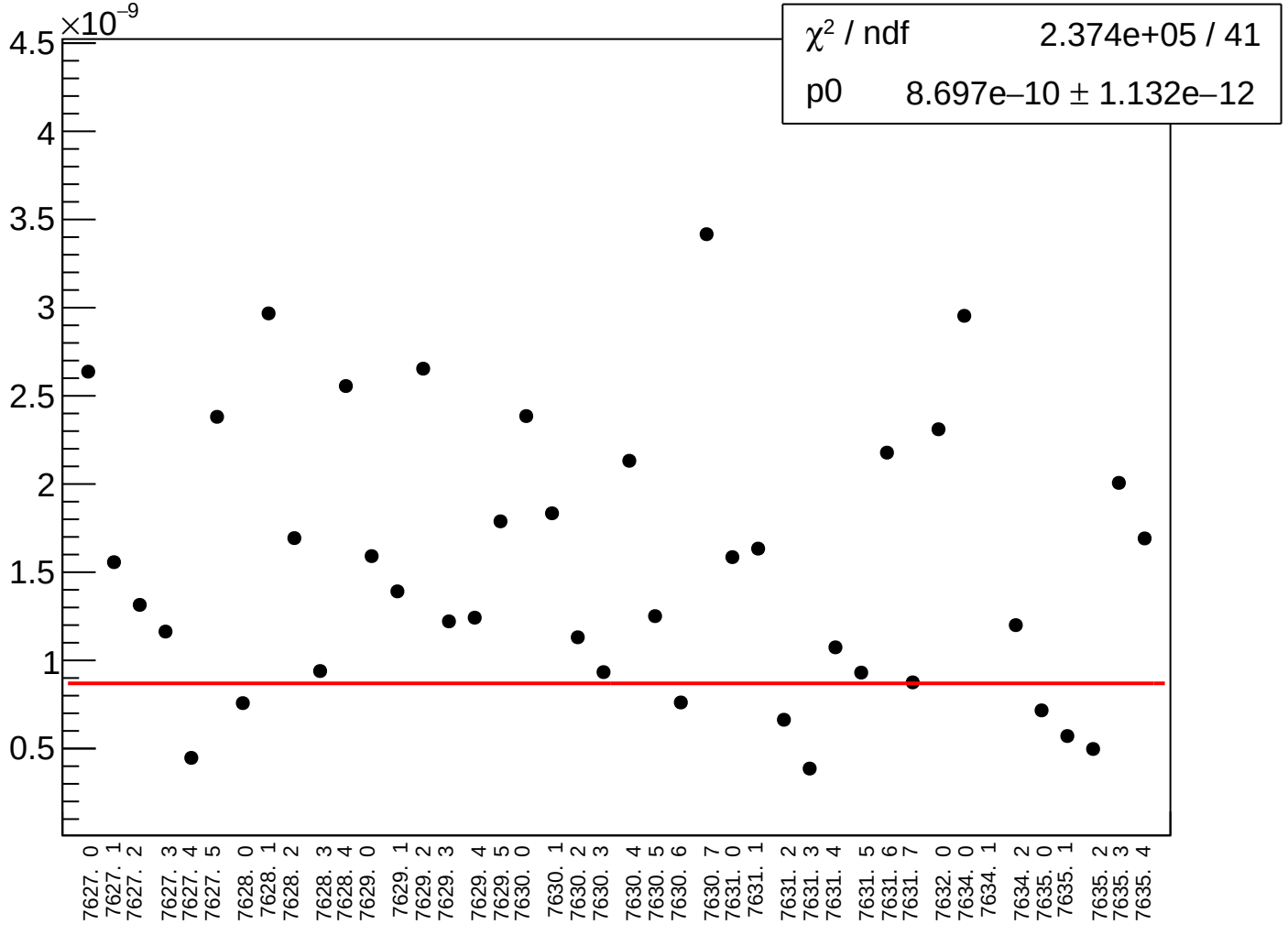

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.94 / 41
p0 0.03818 ± 0.3752
pull
Entries 42
Mean 761.3
Std Dev 0

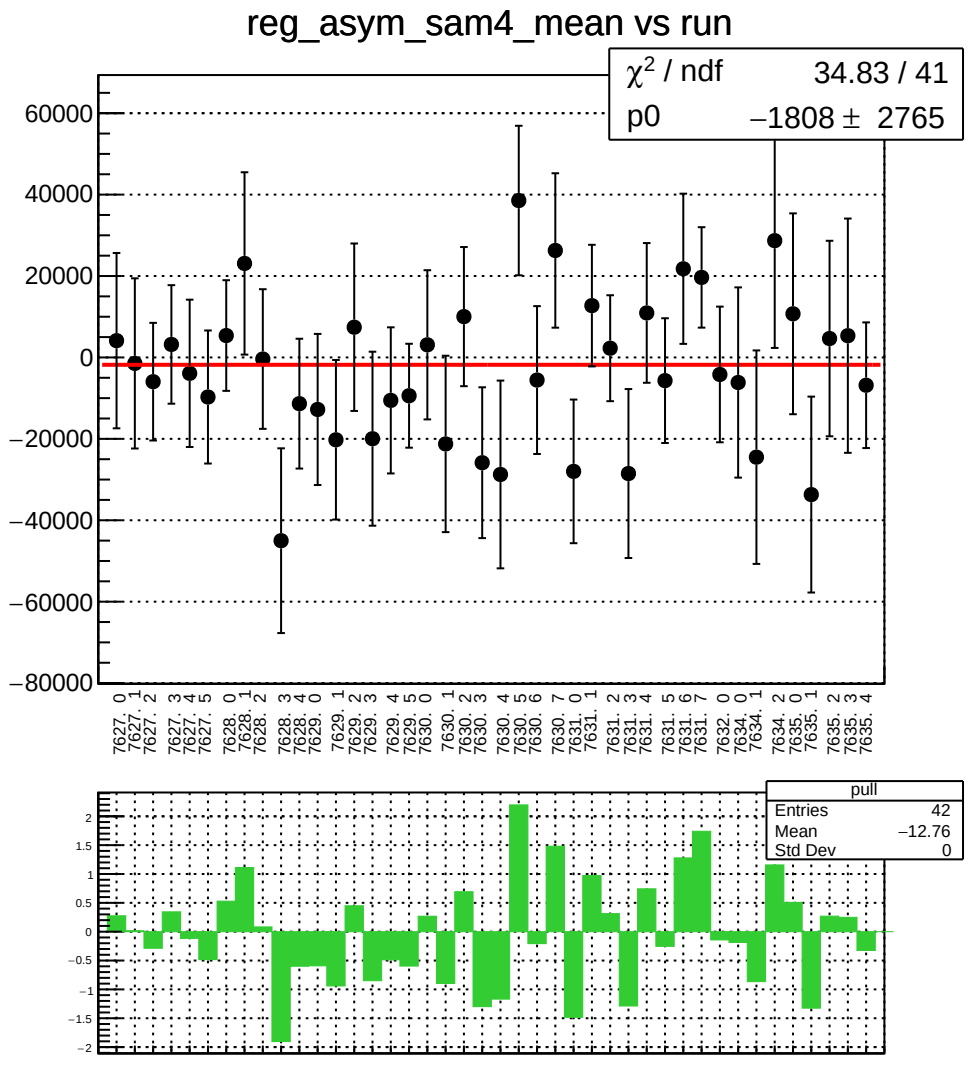

pull1D
Entries 42
Mean 0.002163
Std Dev 0.9505

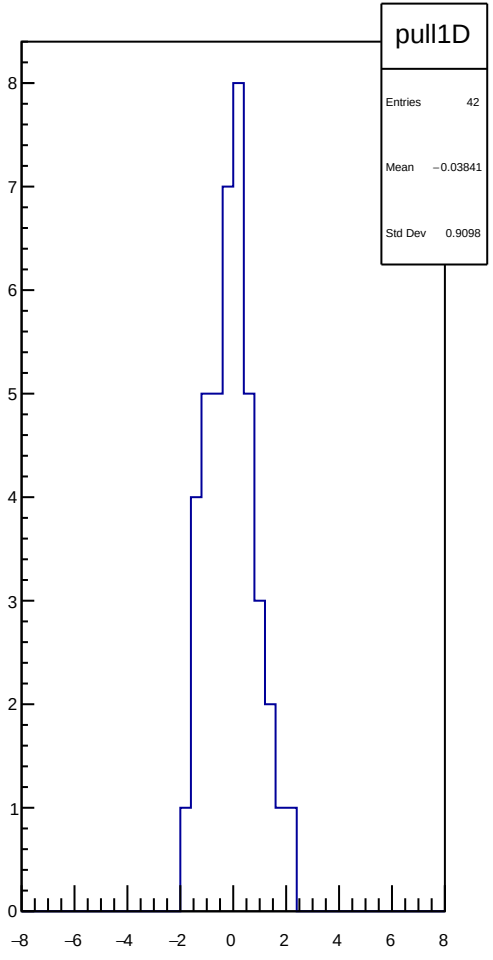

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.347e+04 / 41
p0 233.4 ± 0.2653
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

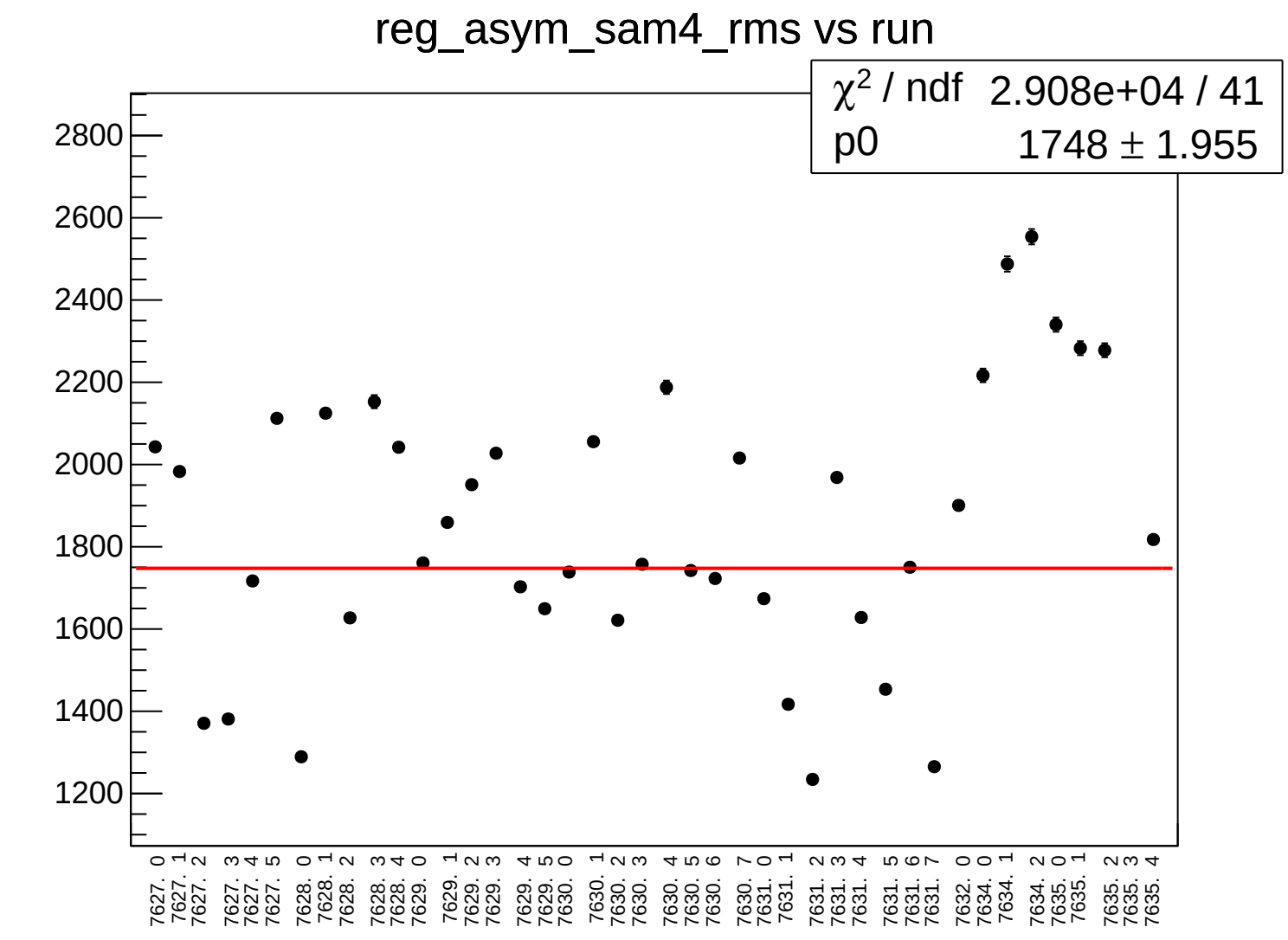

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.89 / 41
p0 5.523e−13 ± 1.601e−12
pull
Entries 42
Mean 40.47
Std Dev 0

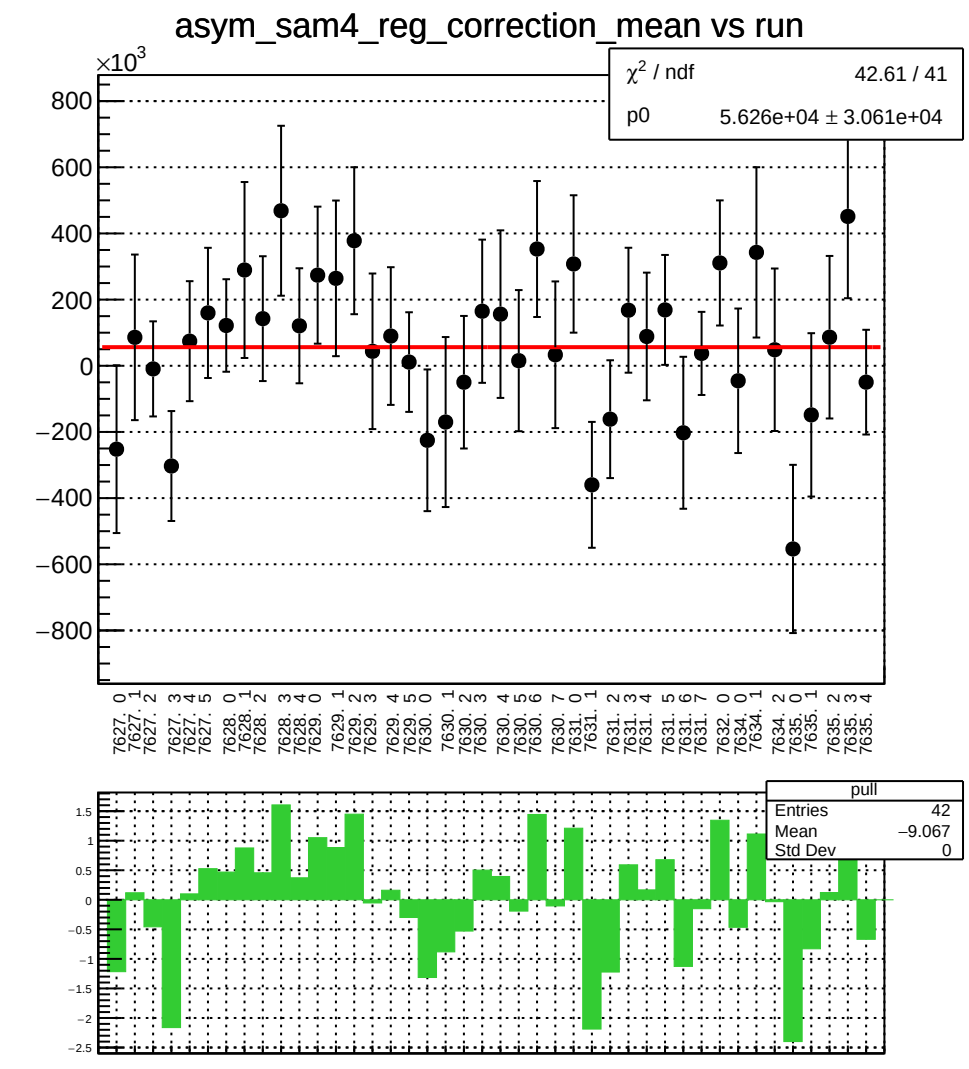

pull1D
Entries 42
Mean 0.1484
Std Dev 1.057

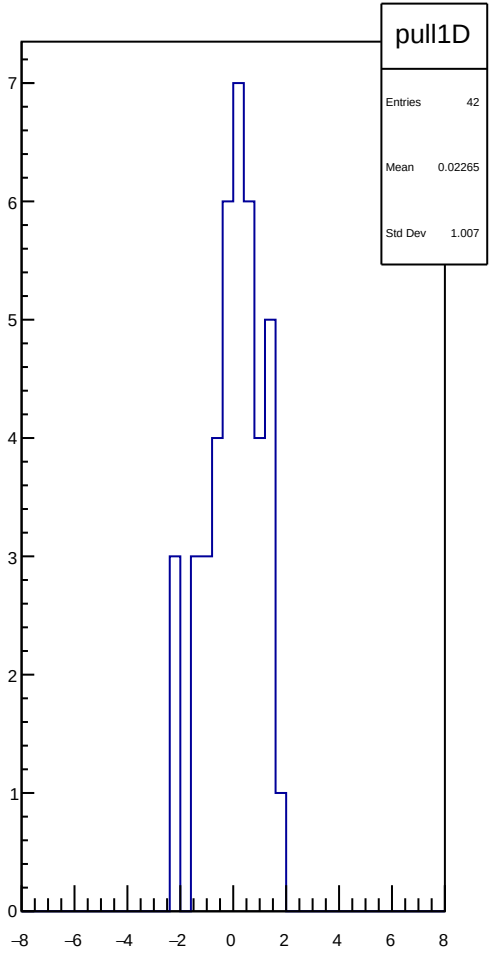

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.374e+05 / 41
p0 8.697e−10 ± 1.132e−12
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

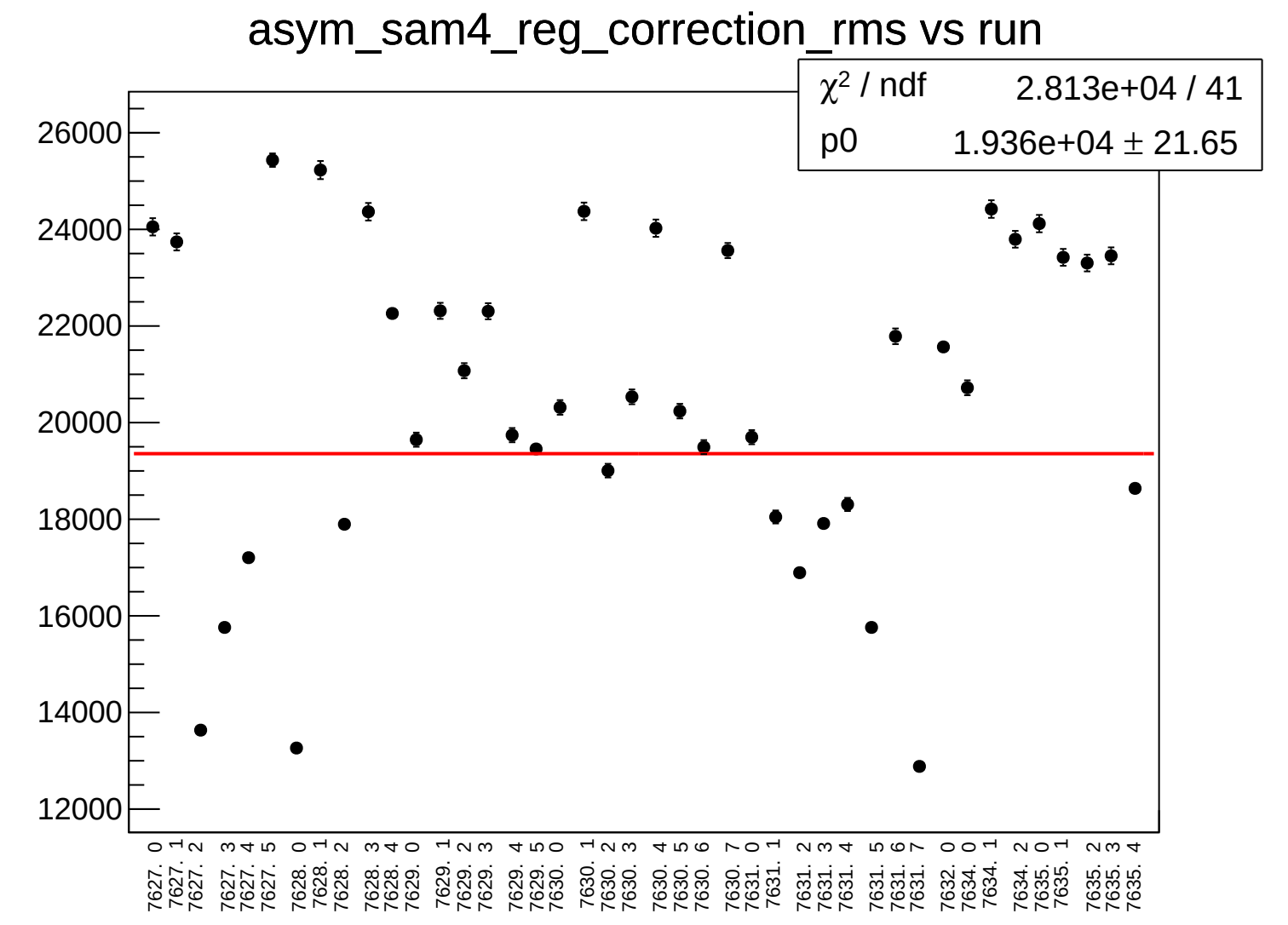

reg_asym_sam4_mean vs run
χ² / ndf 34.83 / 41
p0 −1808 ± 2765
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −12.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

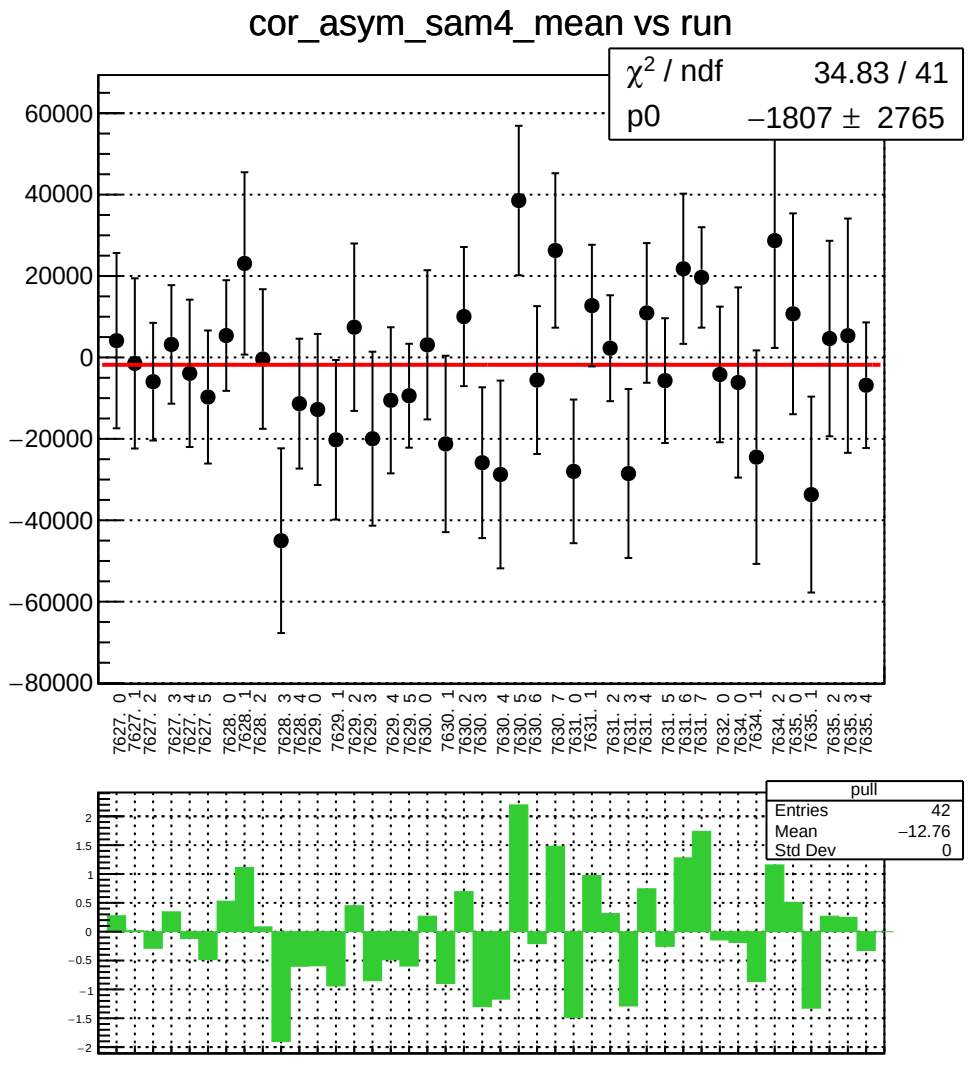

pull1D
Entries 42
Mean −0.03841
Std Dev 0.9098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

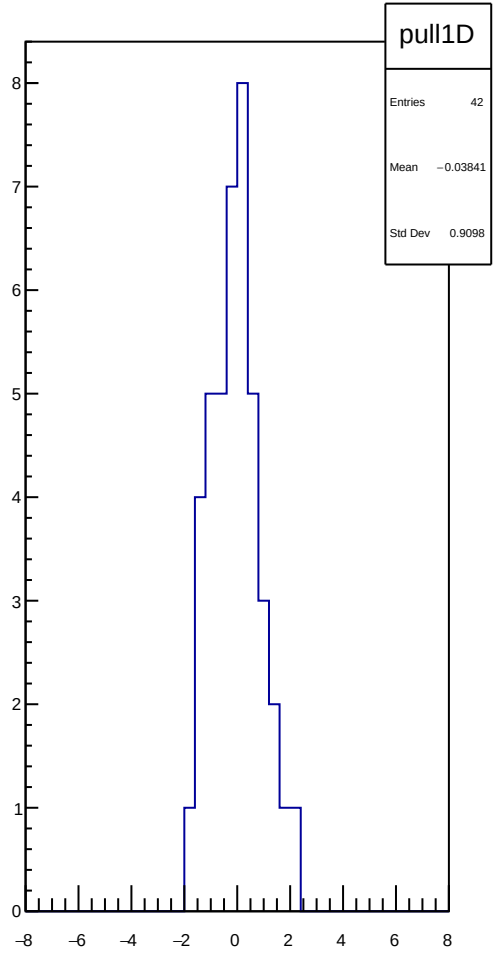

reg_asym_sam4_rms vs run
χ² / ndf 2.908e+04 / 41
p0 1748 ± 1.955
2800
2600
2400
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

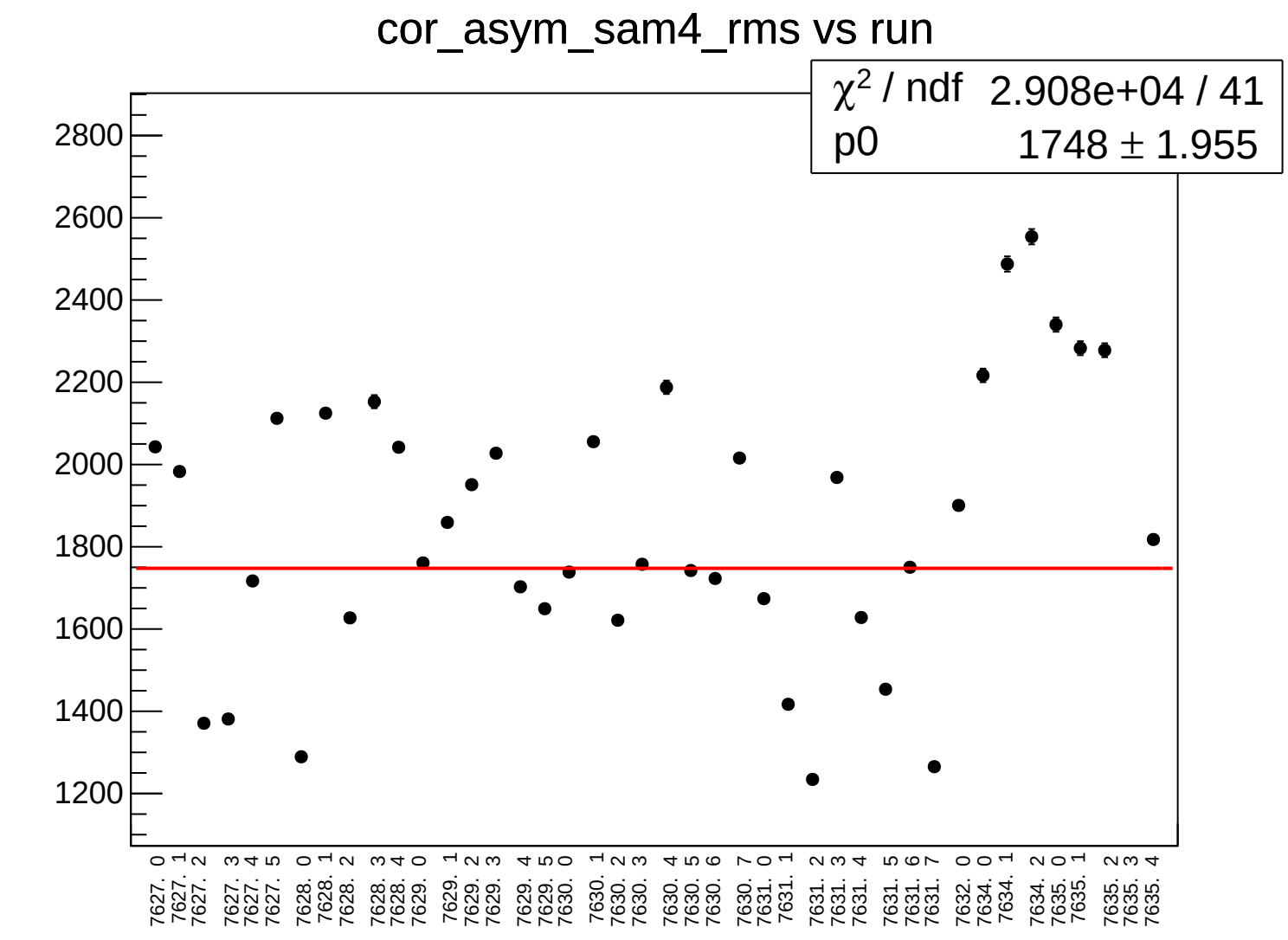

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 42.61 / 41
p0 5.626e+04 ± 3.061e+04
pull
Entries 42
Mean −9.067
Std Dev 0

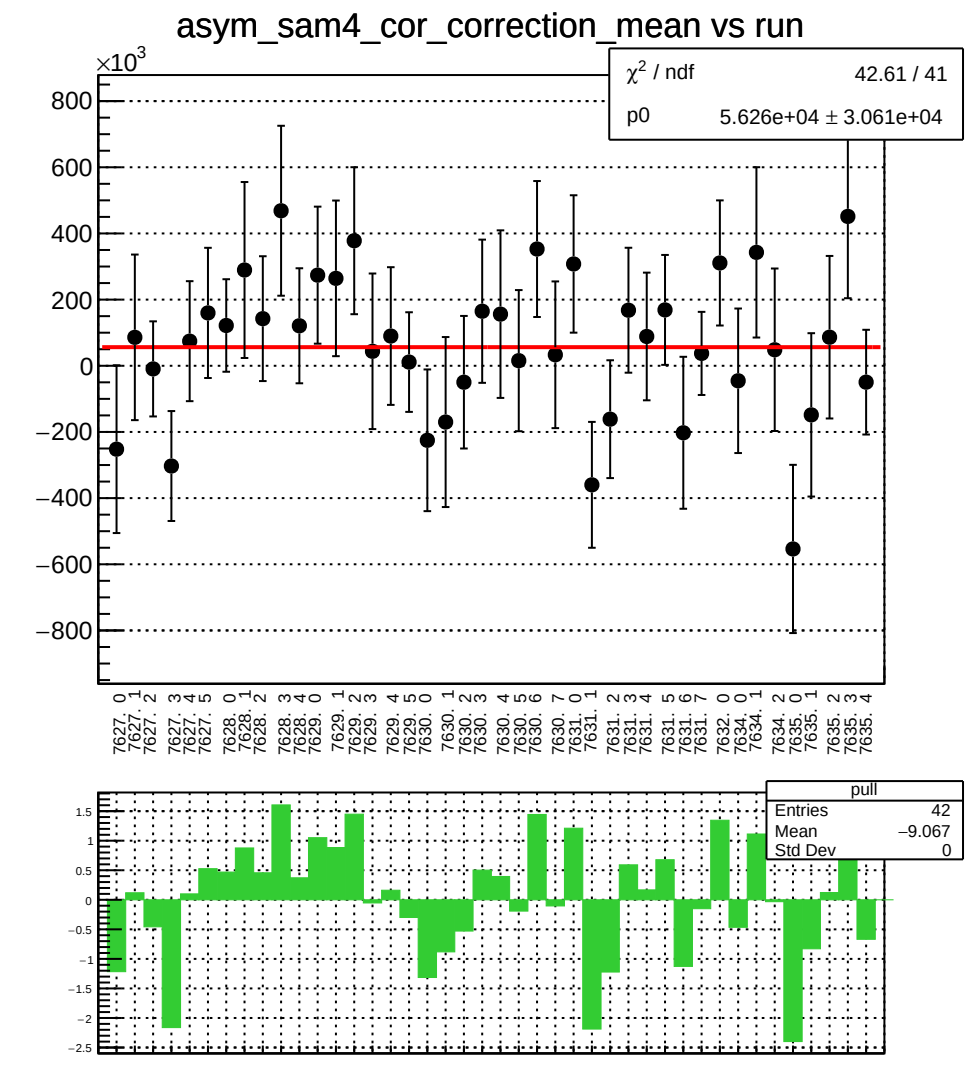

pull1D
Entries 42
Mean 0.02265
Std Dev 1.007

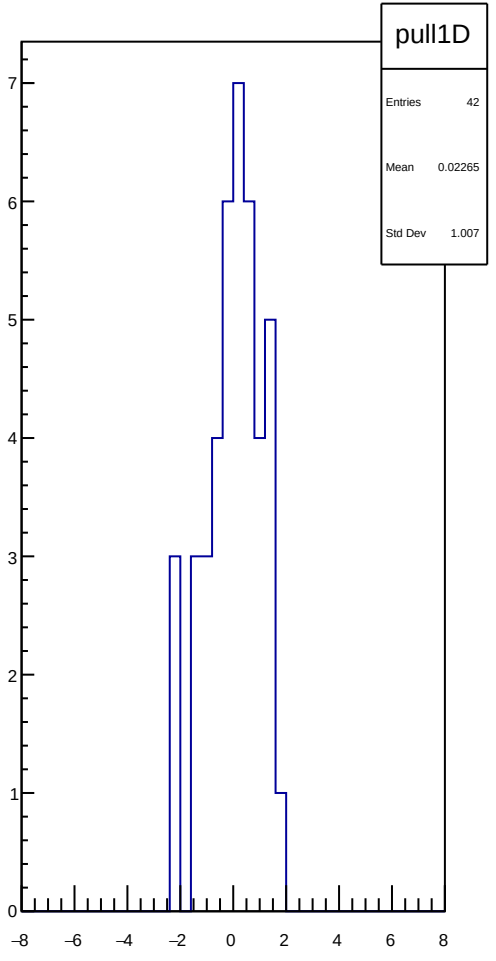

asym_sam4_reg_correction_rms vs run
χ² / ndf 2.813e+04 / 41
p0 1.936e+04 ± 21.65
26000
24000
22000
20000
18000
16000
14000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

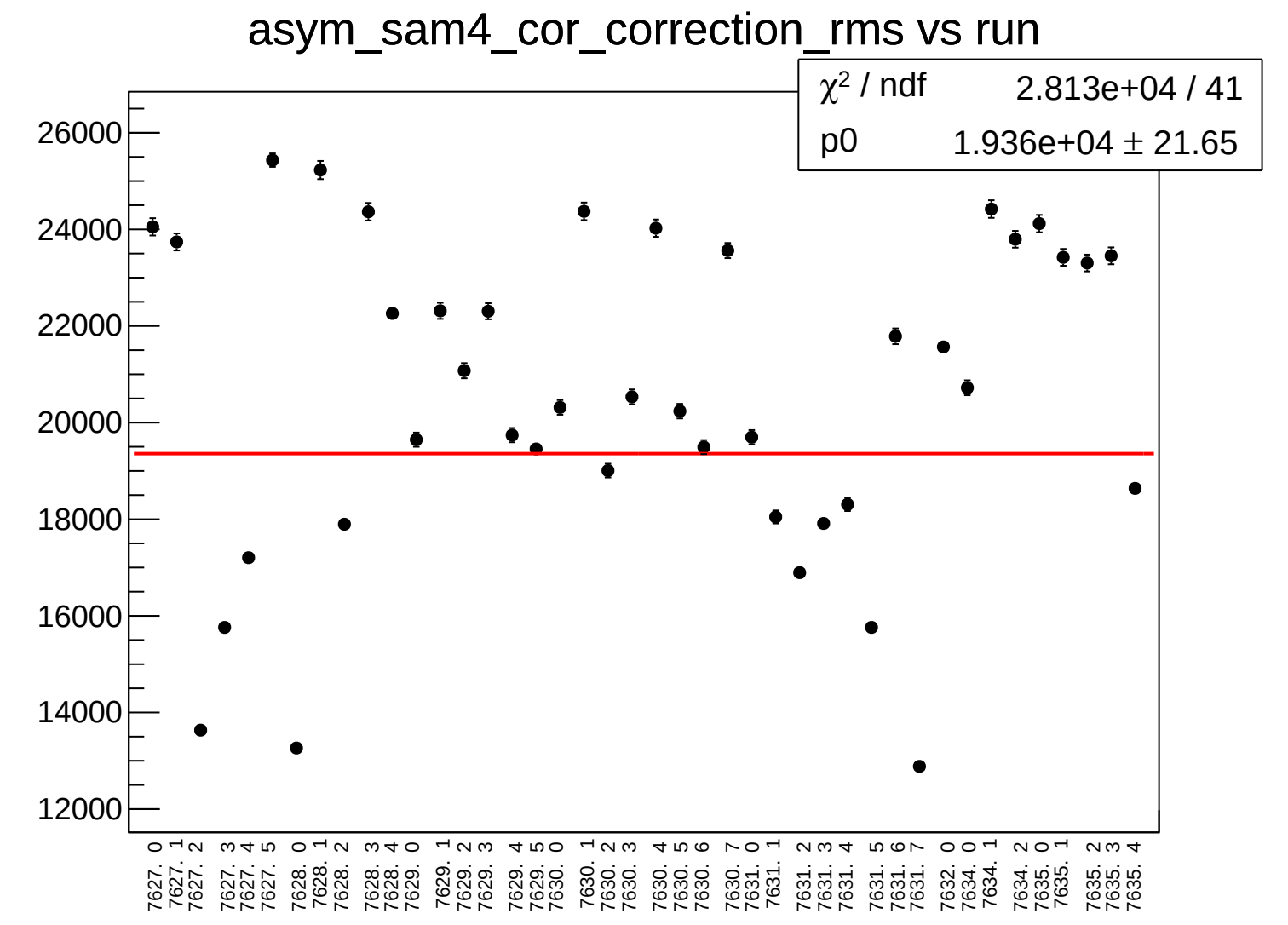

cor_asym_sam4_mean vs run
χ² / ndf 34.83 / 41
p0 −1807 ± 2765
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −12.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

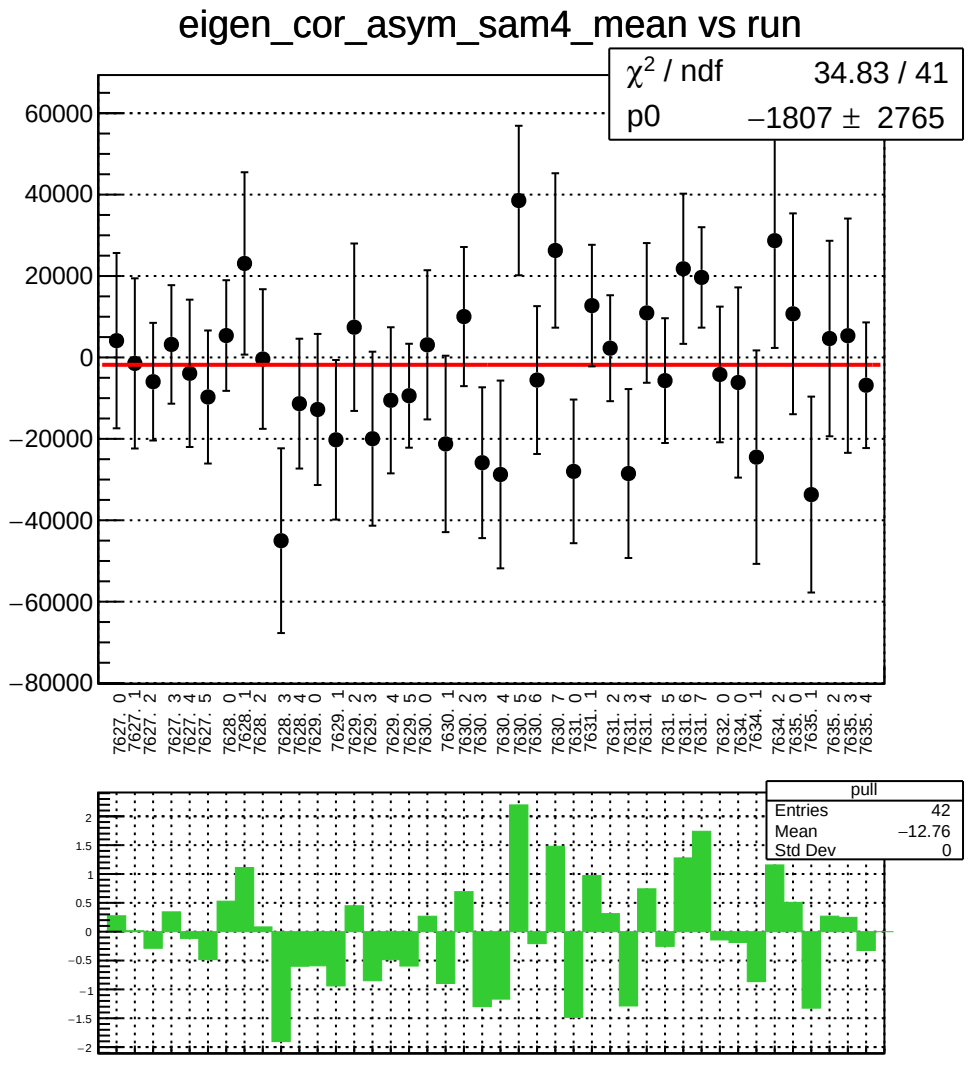

pull1D
Entries 42
Mean −0.03841
Std Dev 0.9098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

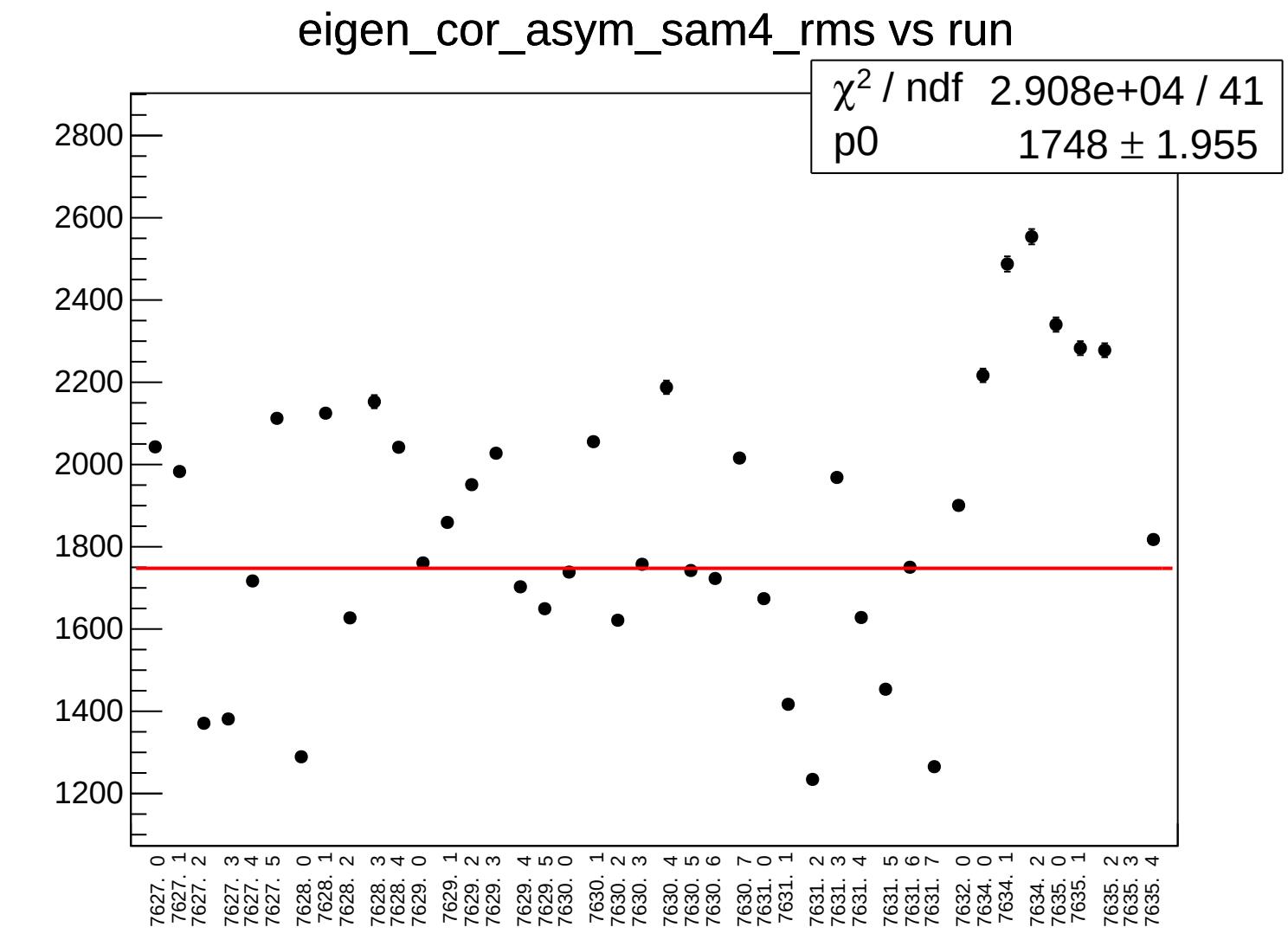

cor_asym_sam4_rms vs run
χ² / ndf 2.908e+04 / 41
p0 1748 ± 1.955
2800
2600
2400
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

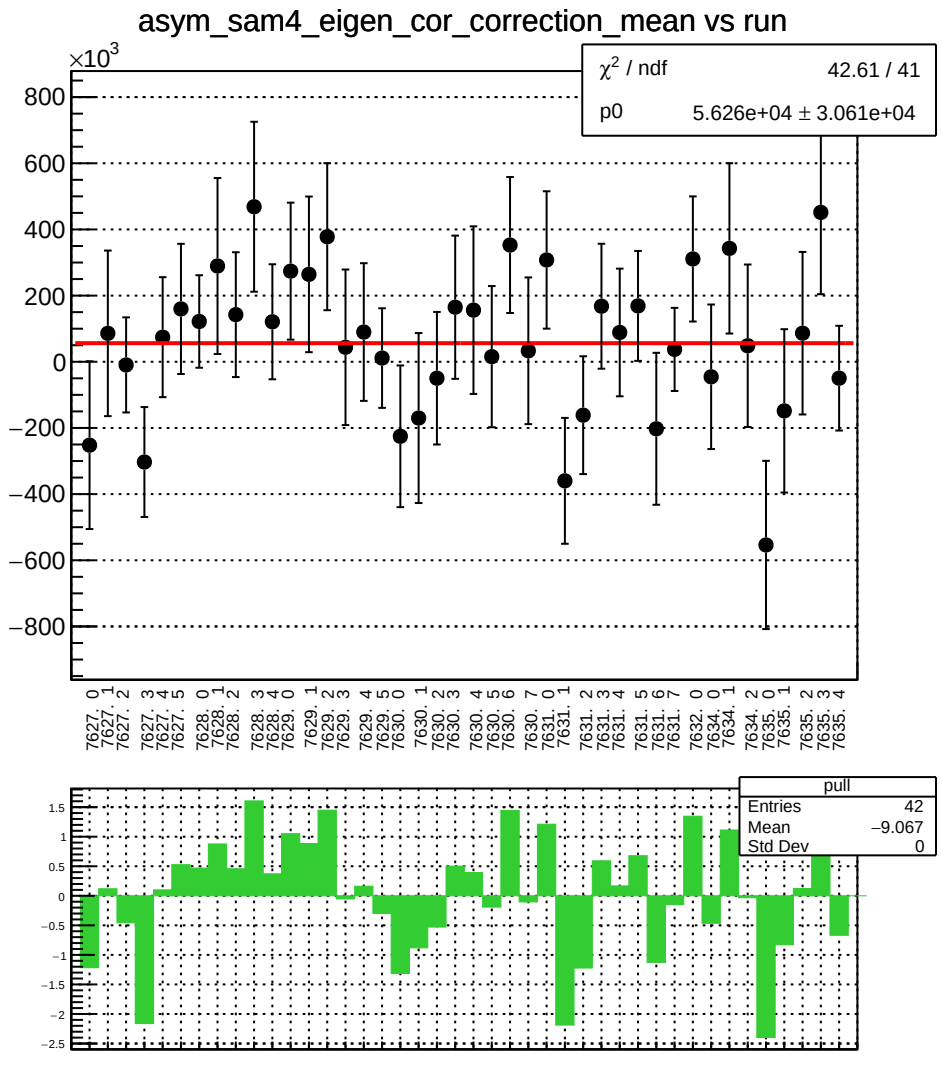

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 42.61 / 41
p0 5.626e+04 ± 3.061e+04
pull
Entries 42
Mean −9.067
Std Dev 0

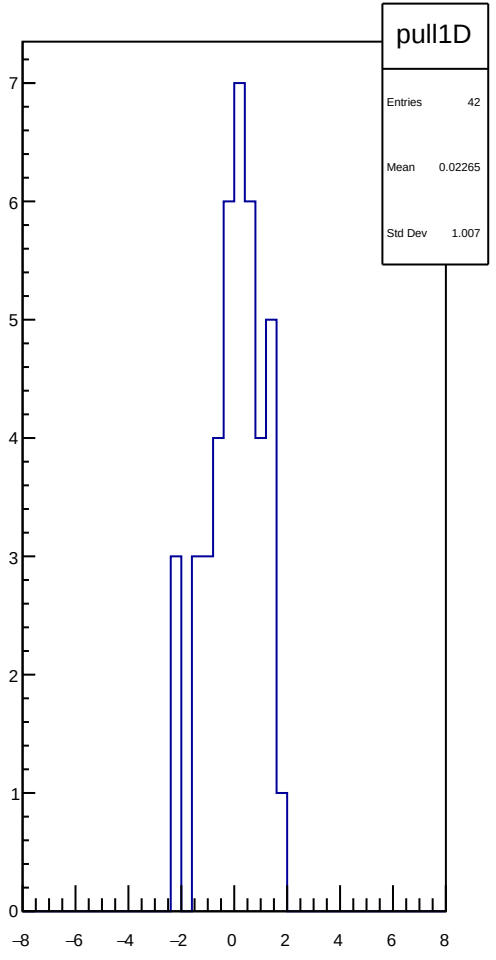

pull1D
Entries 42
Mean 0.02265
Std Dev 1.007

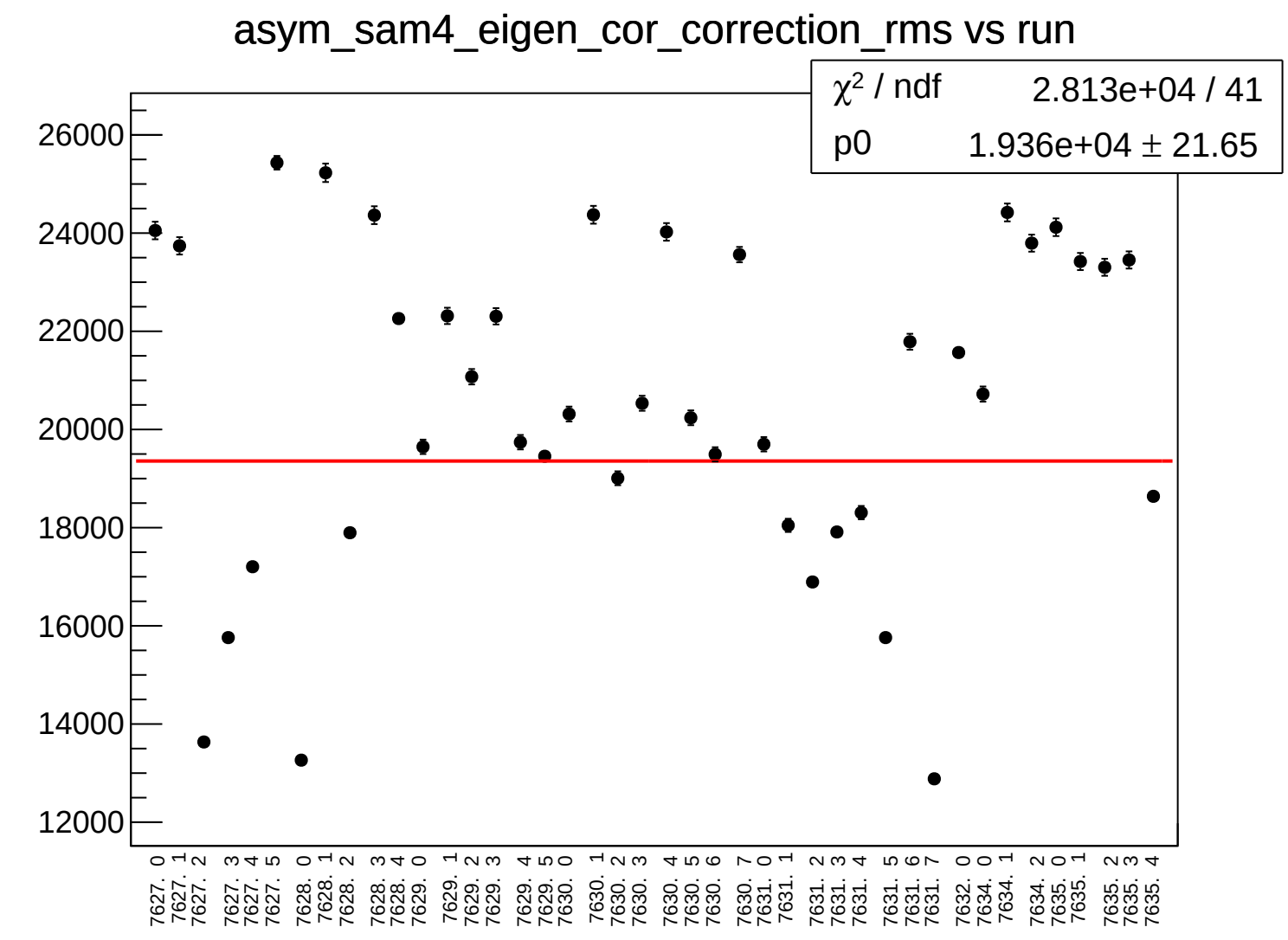

asym_sam4_cor_correction_rms vs run
χ² / ndf 2.813e+04 / 41
p0 1.936e+04 ± 21.65
26000
24000
22000
20000
18000
16000
14000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

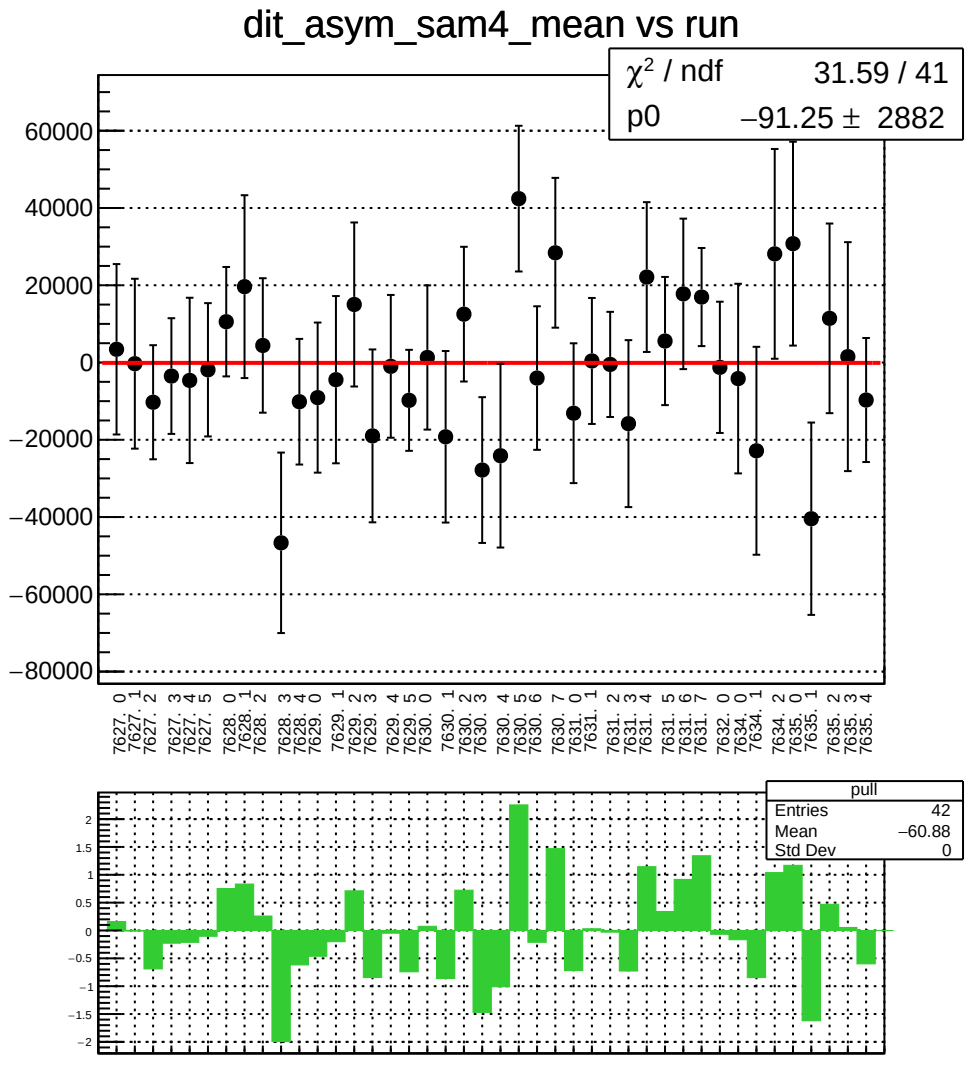

eigen_cor_asym_sam4_mean vs run
χ² / ndf 34.83 / 41
p0 −1807 ± 2765
pull
Entries 42
Mean −12.76
Std Dev 0
pull1D
Entries 42
Mean −0.03841
Std Dev 0.9098

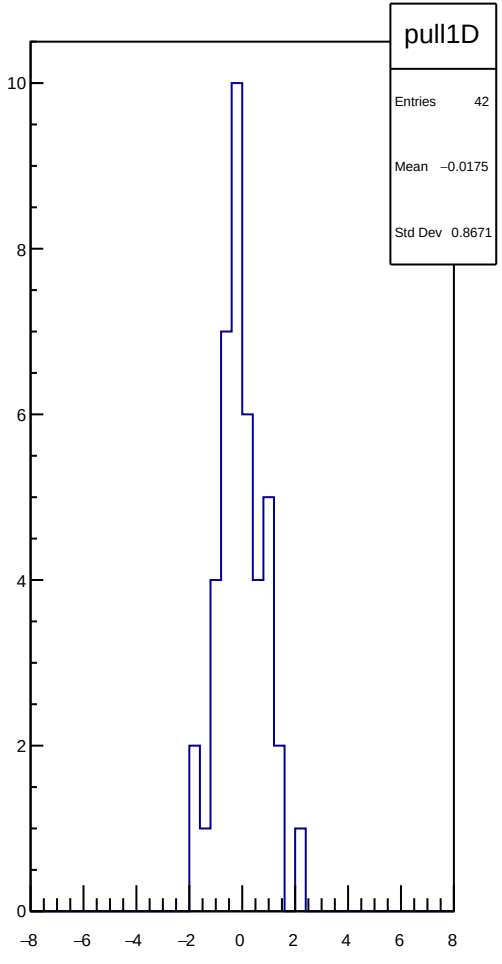

eigen_cor_asym_sam4_rms vs run
χ² / ndf 2.908e+04 / 41
p0 1748 ± 1.955
2800
2600
2400
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

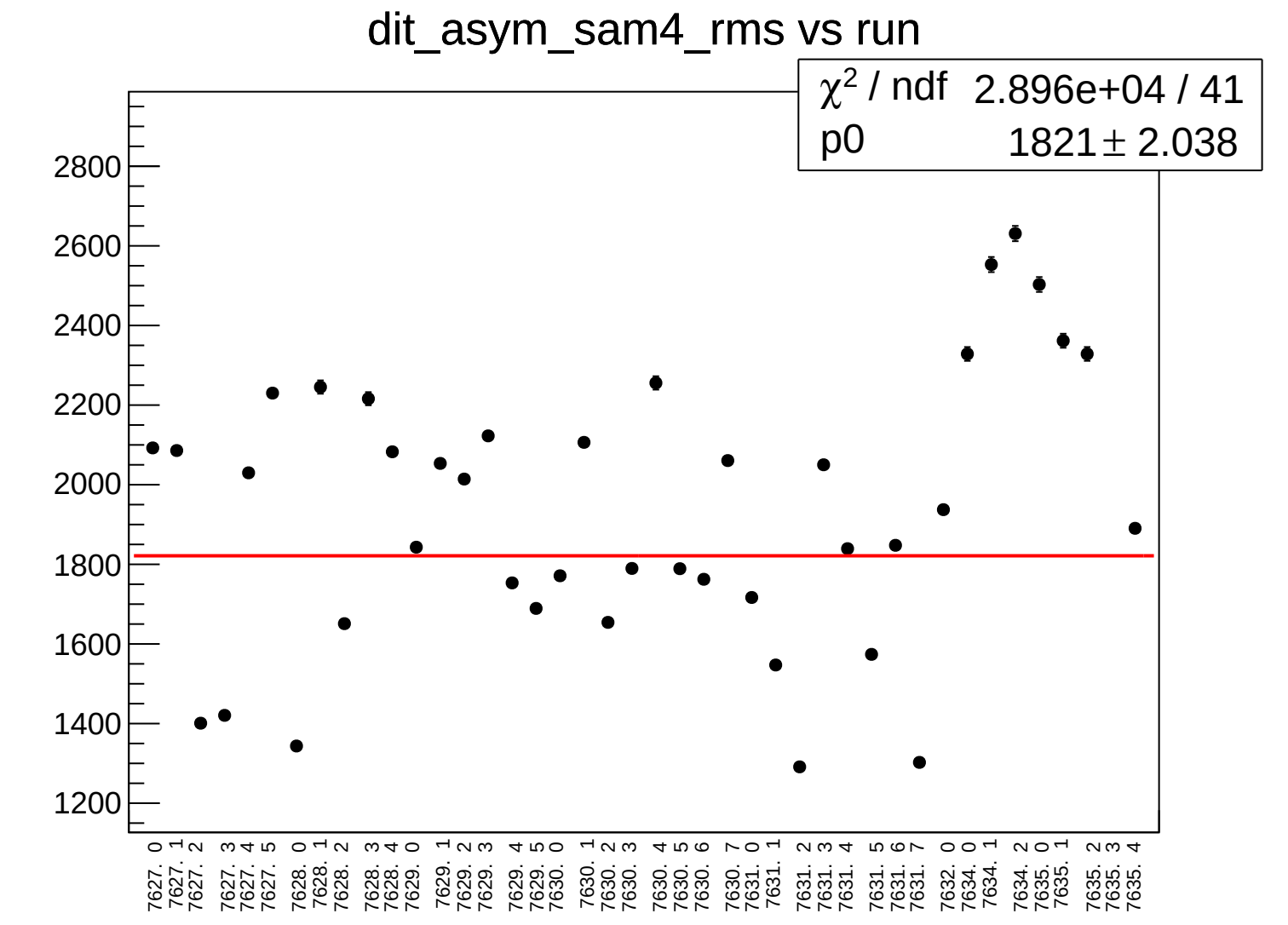

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.61 / 41
p0 5.626e+04 ± 3.061e+04
pull
Entries 42
Mean −9.067
Std Dev 0

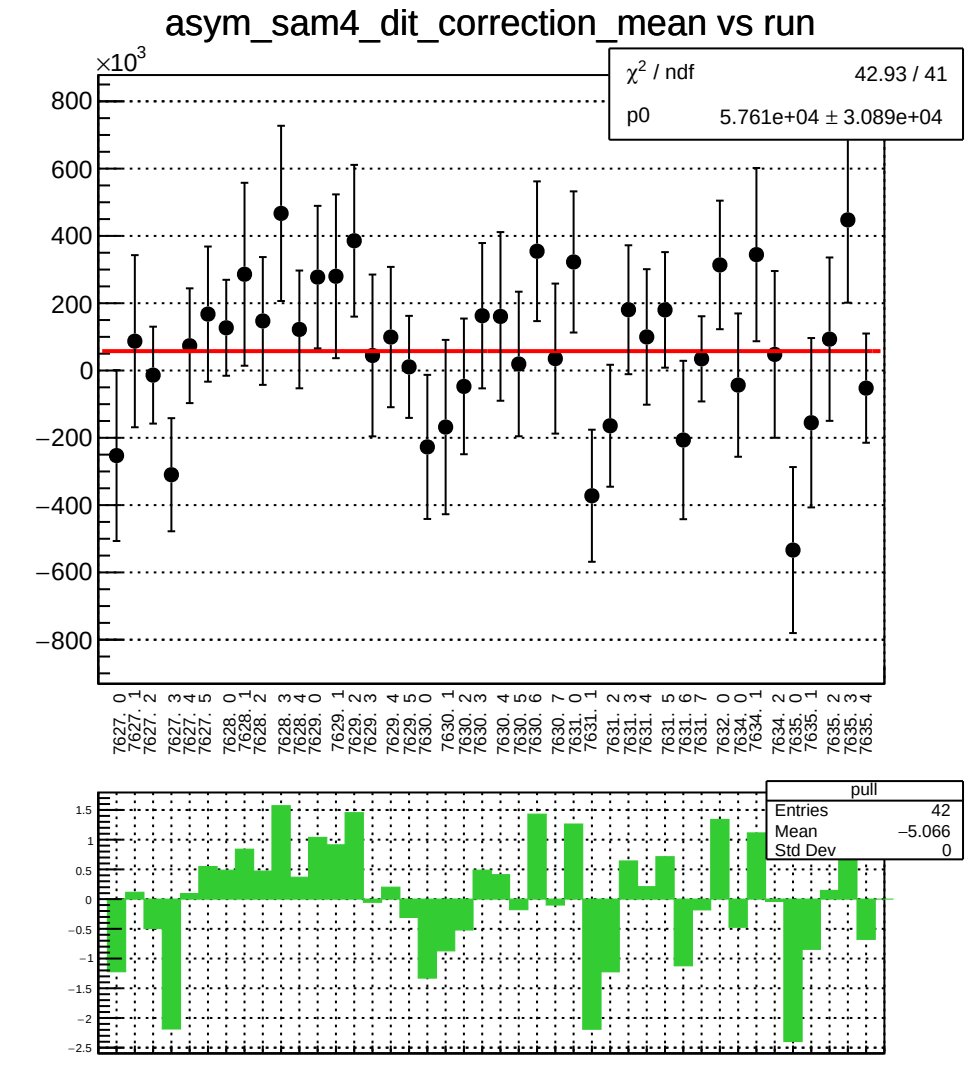

pull1D
Entries 42
Mean 0.02265
Std Dev 1.007

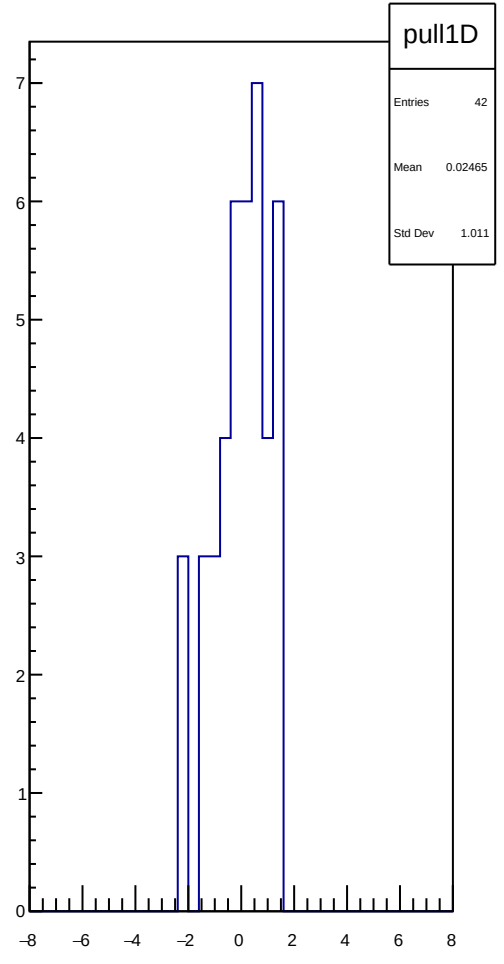

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 2.813e+04 / 41
p0 1.936e+04 ± 21.65
26000
24000
22000
20000
18000
16000
14000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

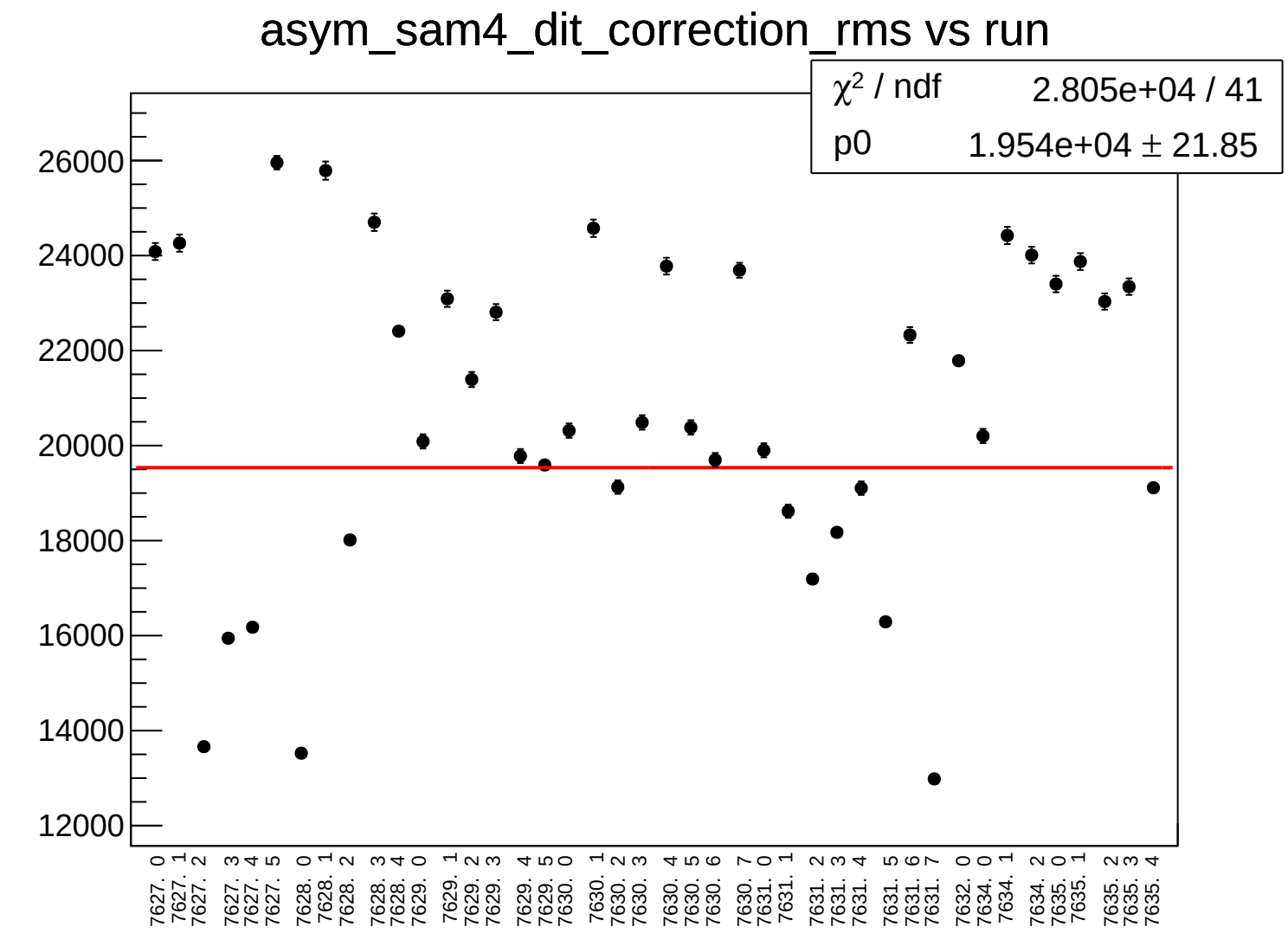

dit_asym_sam4_mean vs run
χ² / ndf 31.59 / 41
p0 −91.25 ± 2882
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −60.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

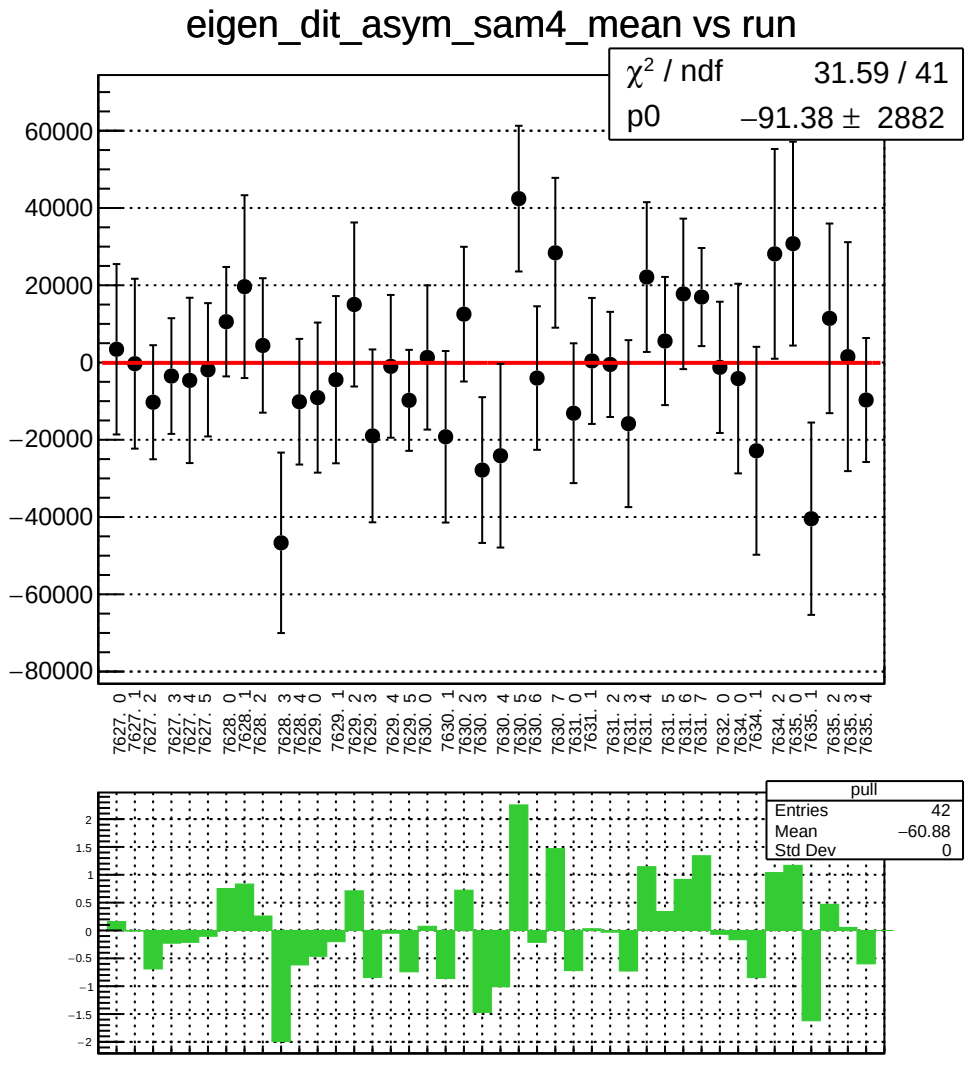

pull1D
Entries 42
Mean −0.0175
Std Dev 0.8671
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

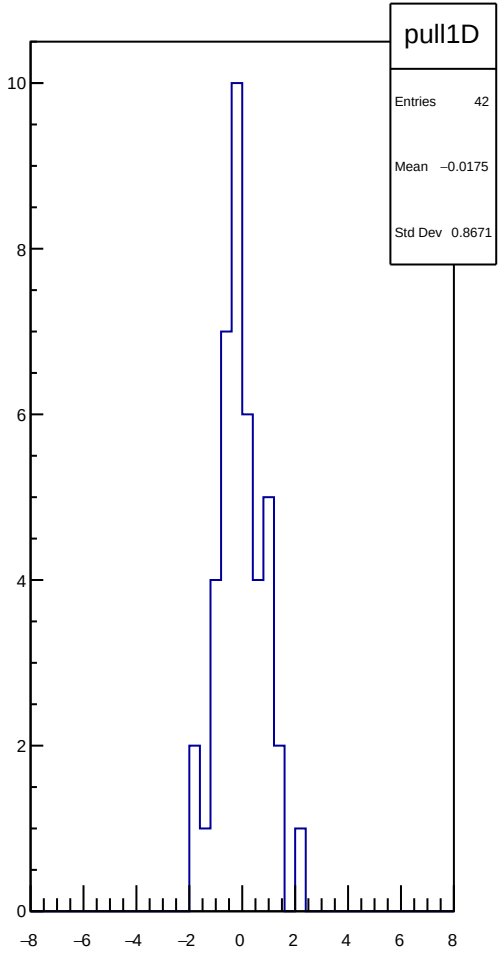

dit_asym_sam4_rms vs run
χ² / ndf 2.896e+04 / 41
p0 1821 ± 2.038
2800
2600
2400
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

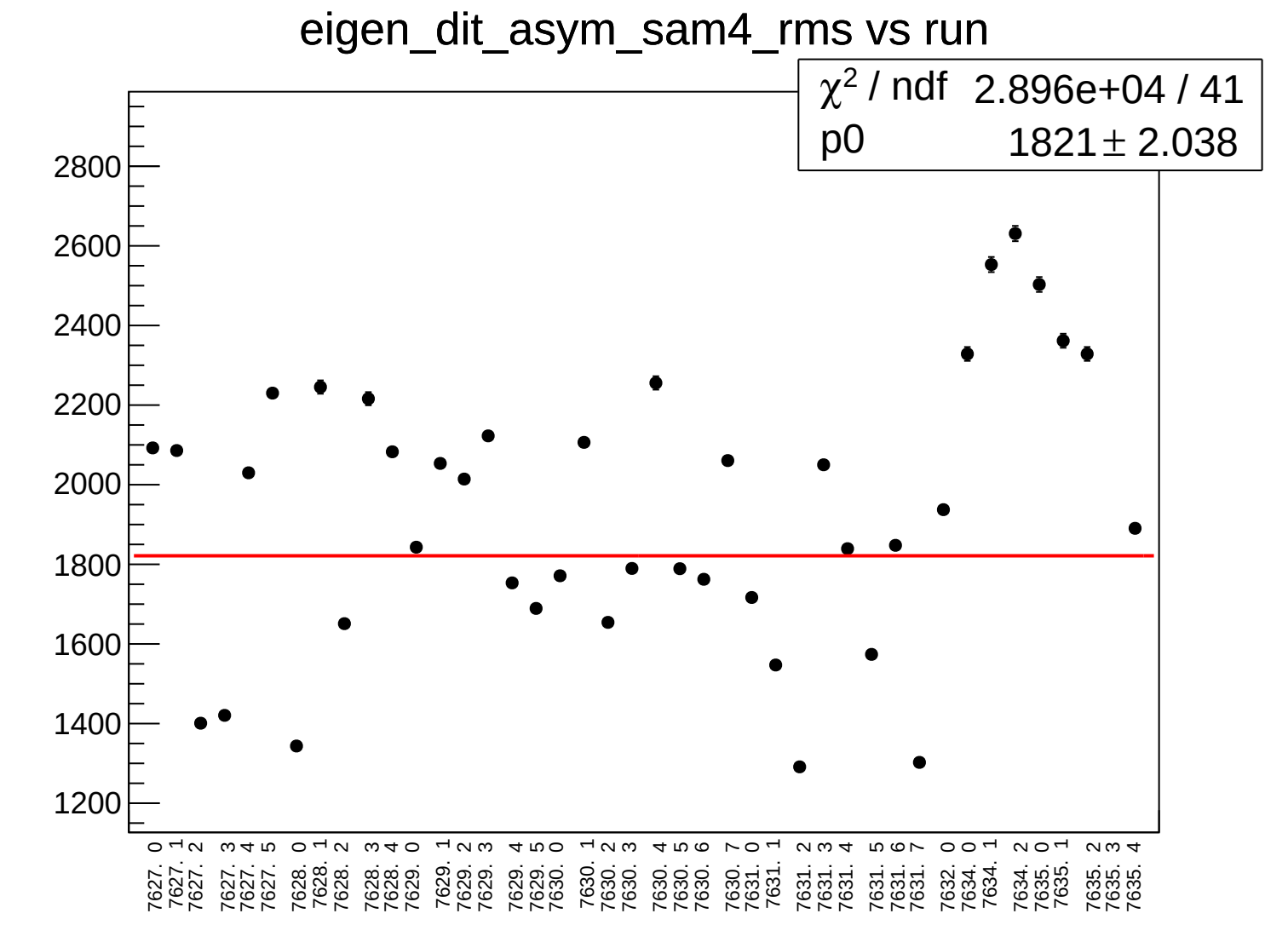

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 42.93 / 41
p0 5.761e+04 ± 3.089e+04
pull
Entries 42
Mean −5.066
Std Dev 0

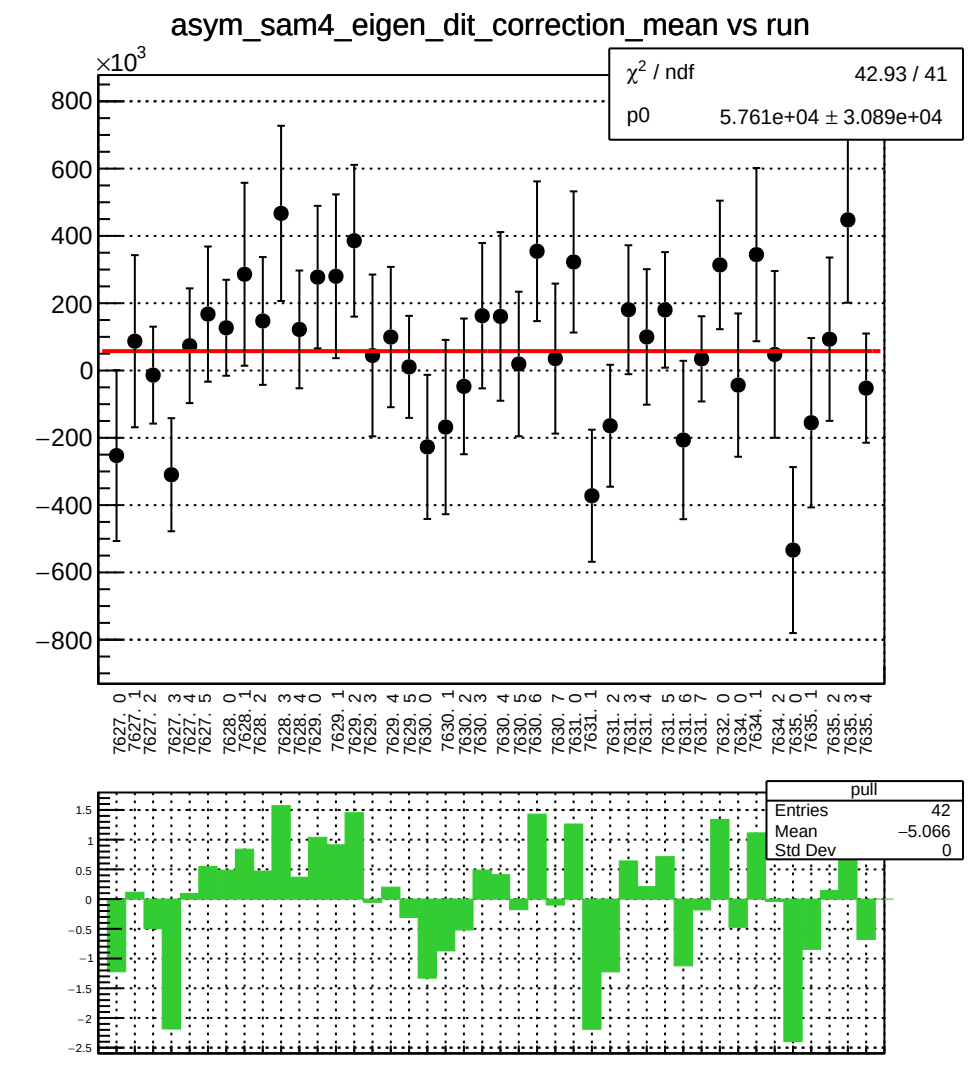

pull1D
Entries 42
Mean 0.02465
Std Dev 1.011

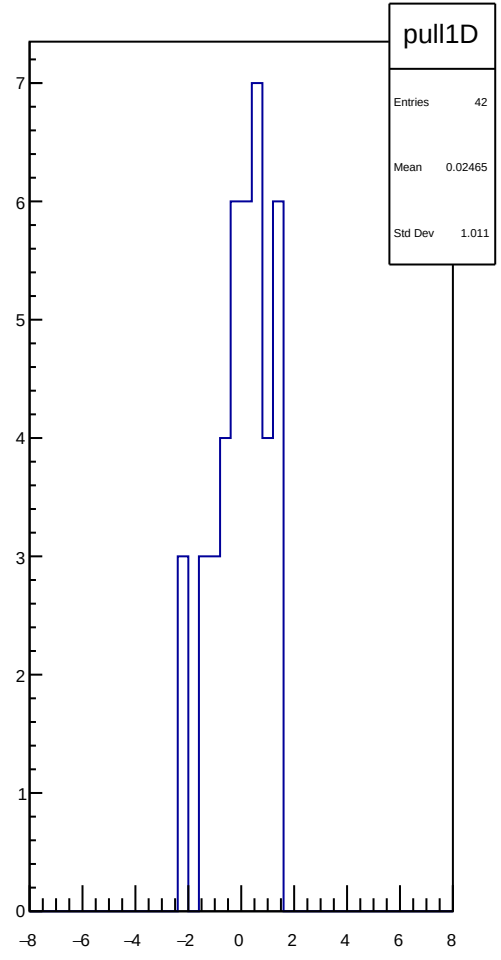

asym_sam4_dit_correction_rms vs run
χ² / ndf 2.805e+04 / 41
p0 1.954e+04 ± 21.85
26000
24000
22000
20000
18000
16000
14000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

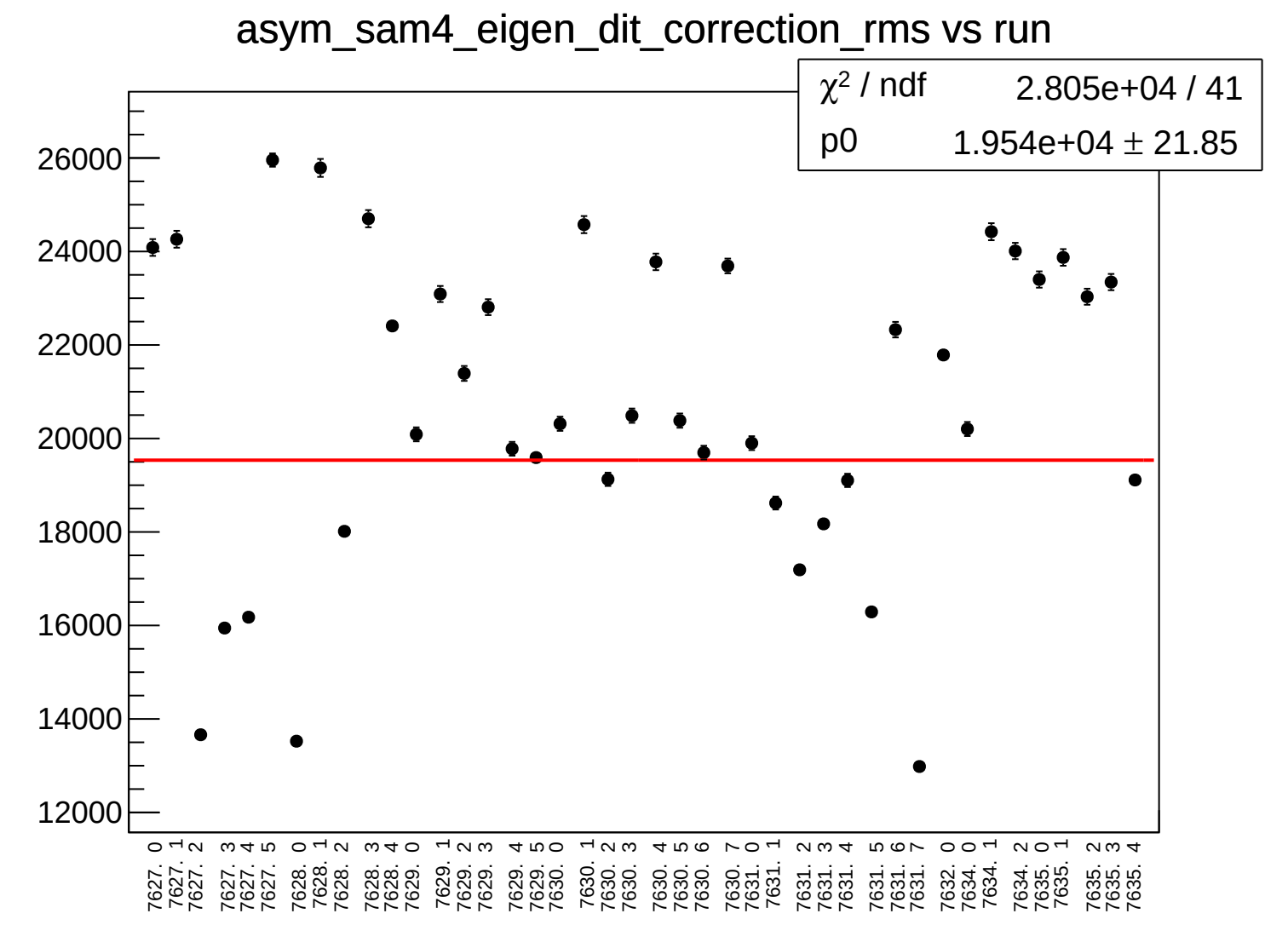

eigen_dit_asym_sam4_mean vs run
χ² / ndf 31.59 / 41
p0 −91.38 ± 2882
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −60.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

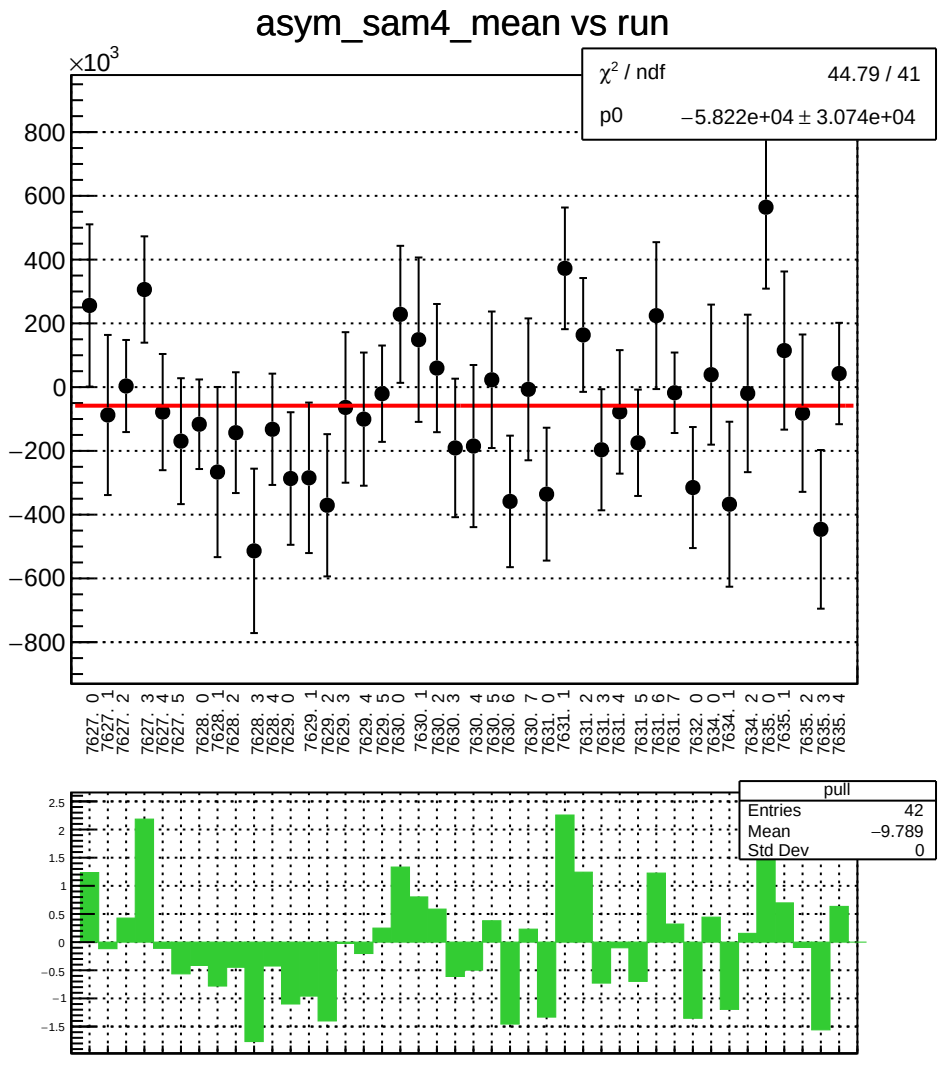

pull1D
Entries 42
Mean −0.0175
Std Dev 0.8671
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

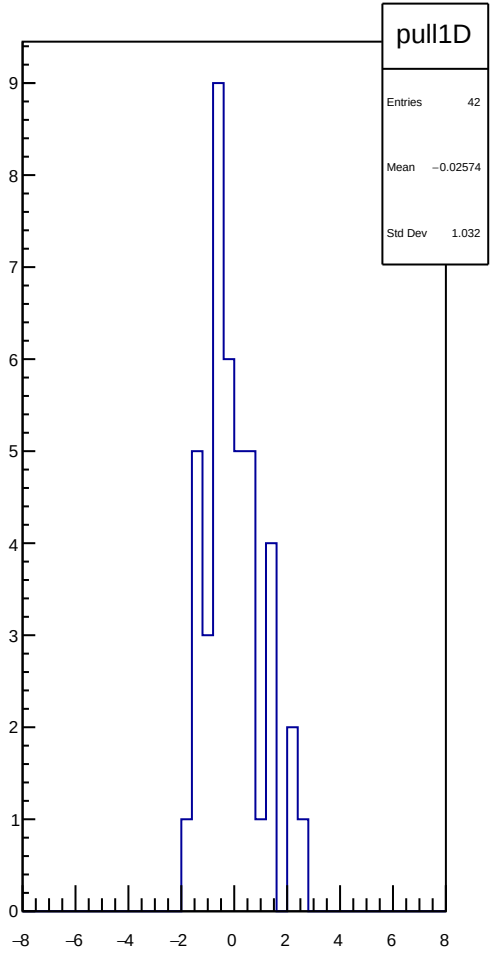

eigen_dit_asym_sam4_rms vs run
χ² / ndf 2.896e+04 / 41
p0 1821 ± 2.038
2800
2600
2400
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

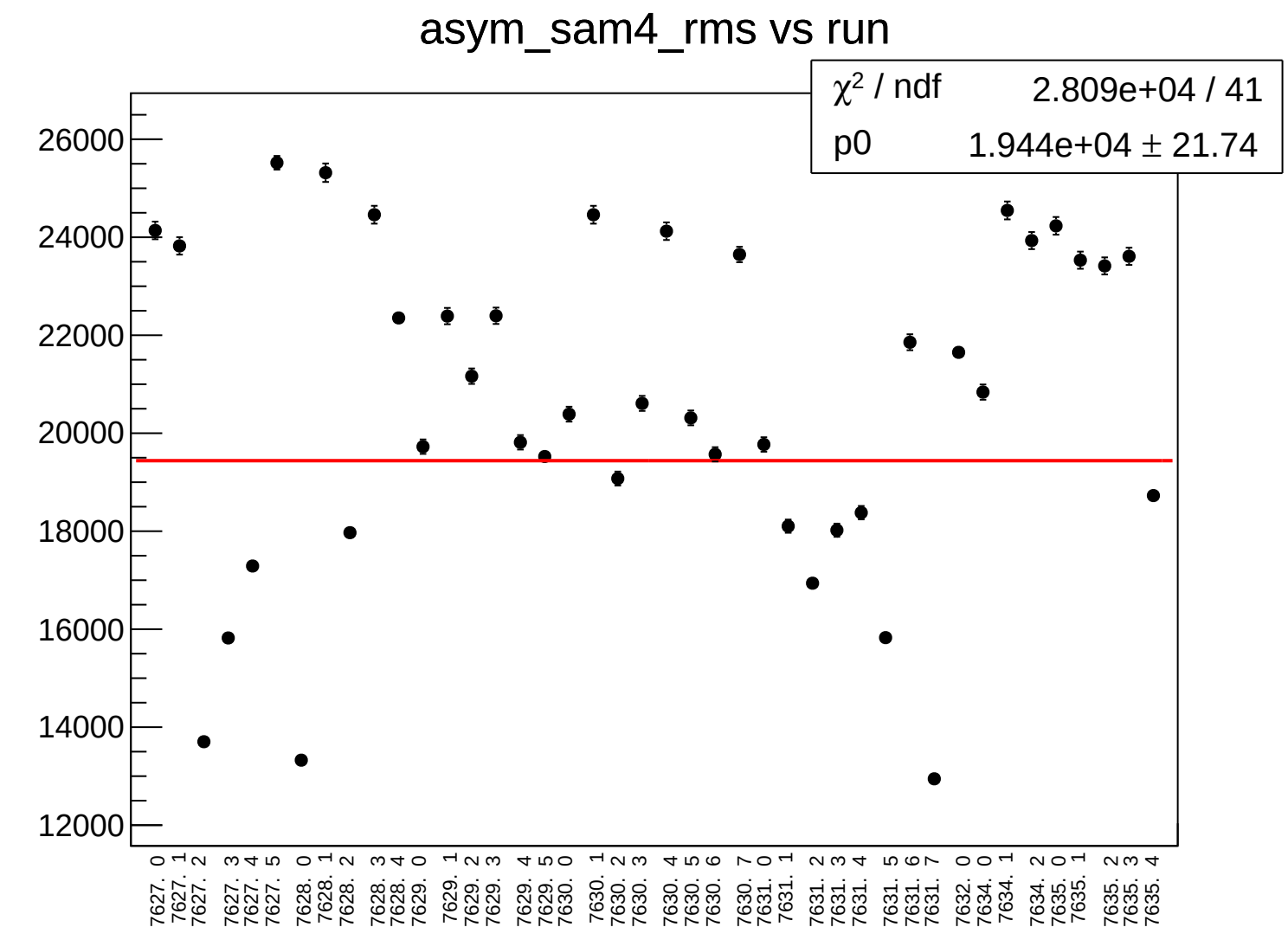

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.93 / 41
p0 5.761e+04 ± 3.089e+04
pull
Entries 42
Mean −5.066
Std Dev 0

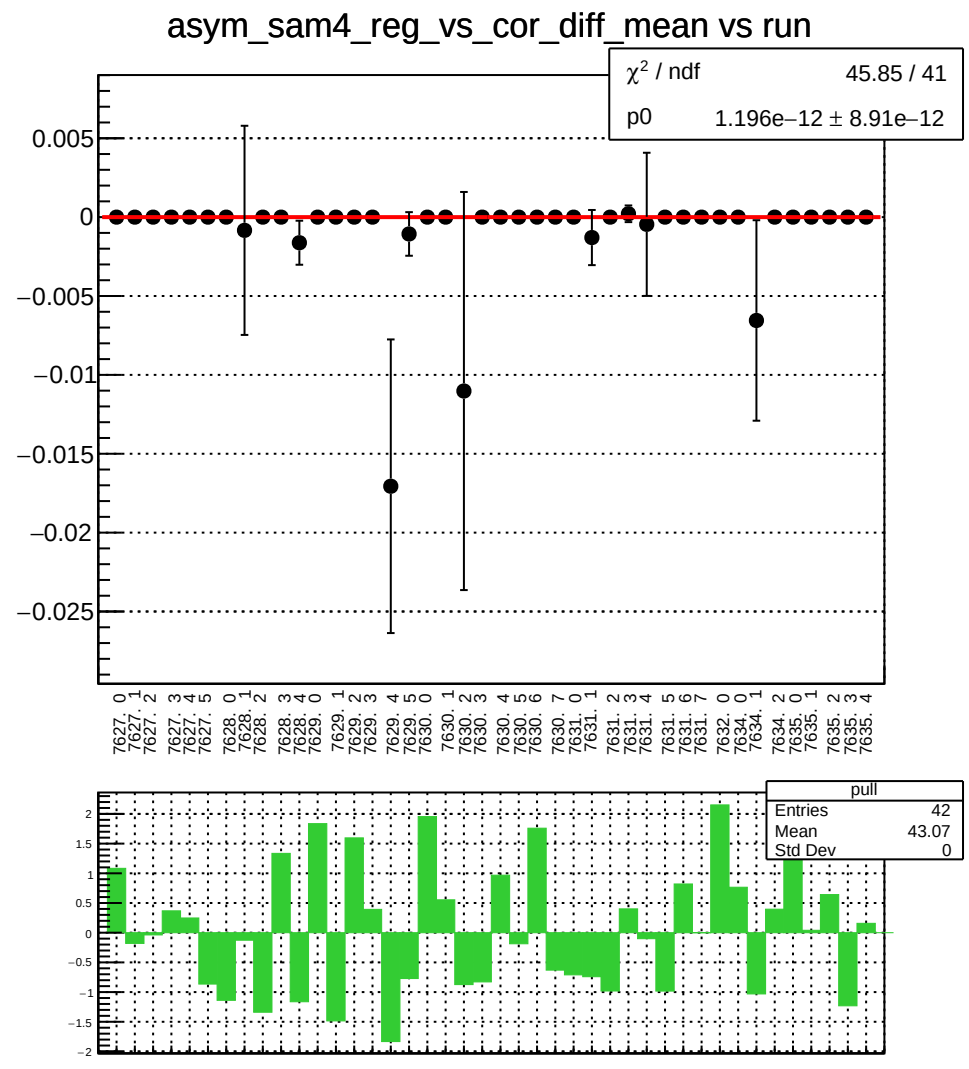

pull1D
Entries 42
Mean 0.02465
Std Dev 1.011

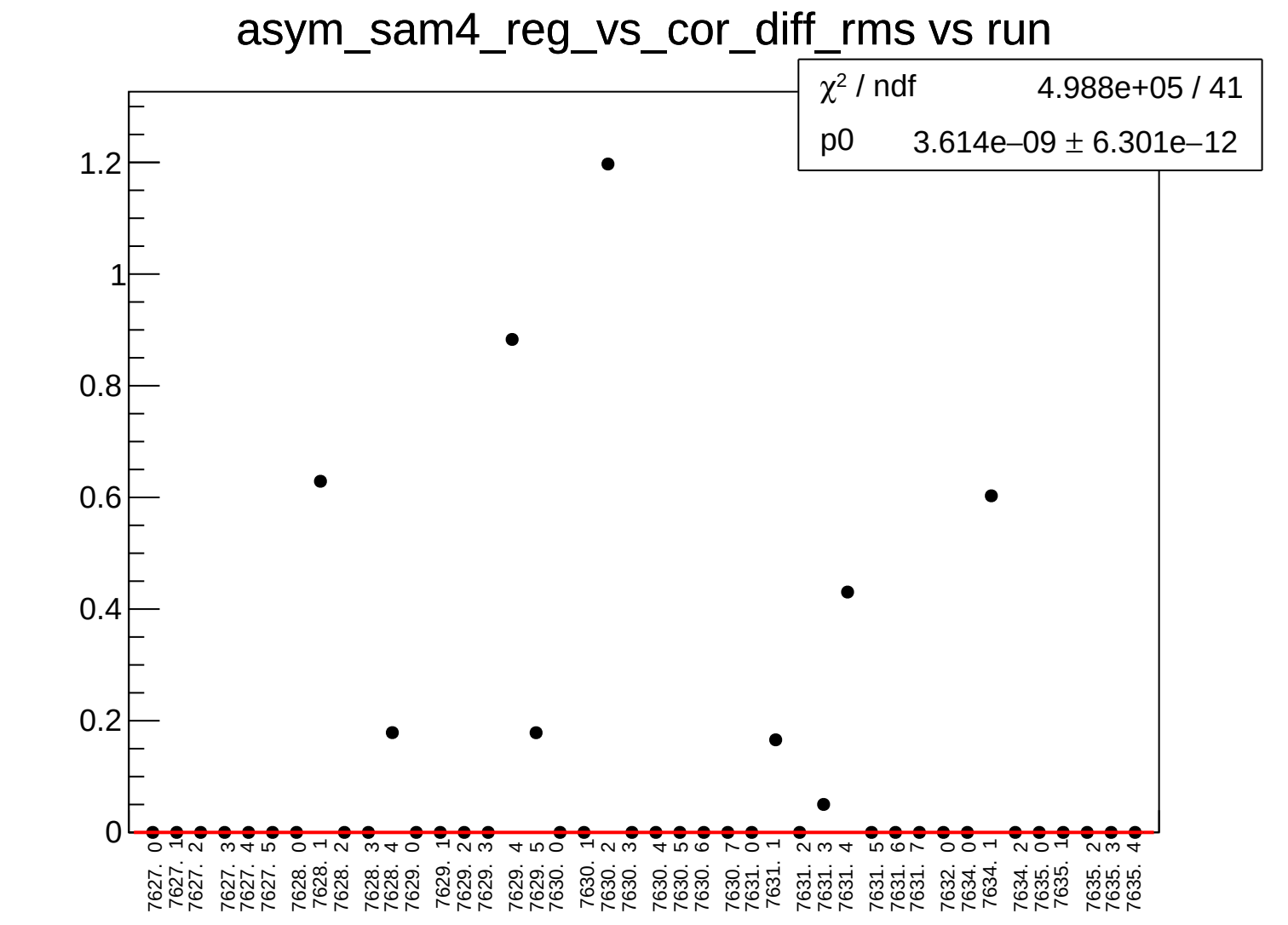

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 2.805e+04 / 41
p0 1.954e+04 ± 21.85
26000
24000
22000
20000
18000
16000
14000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

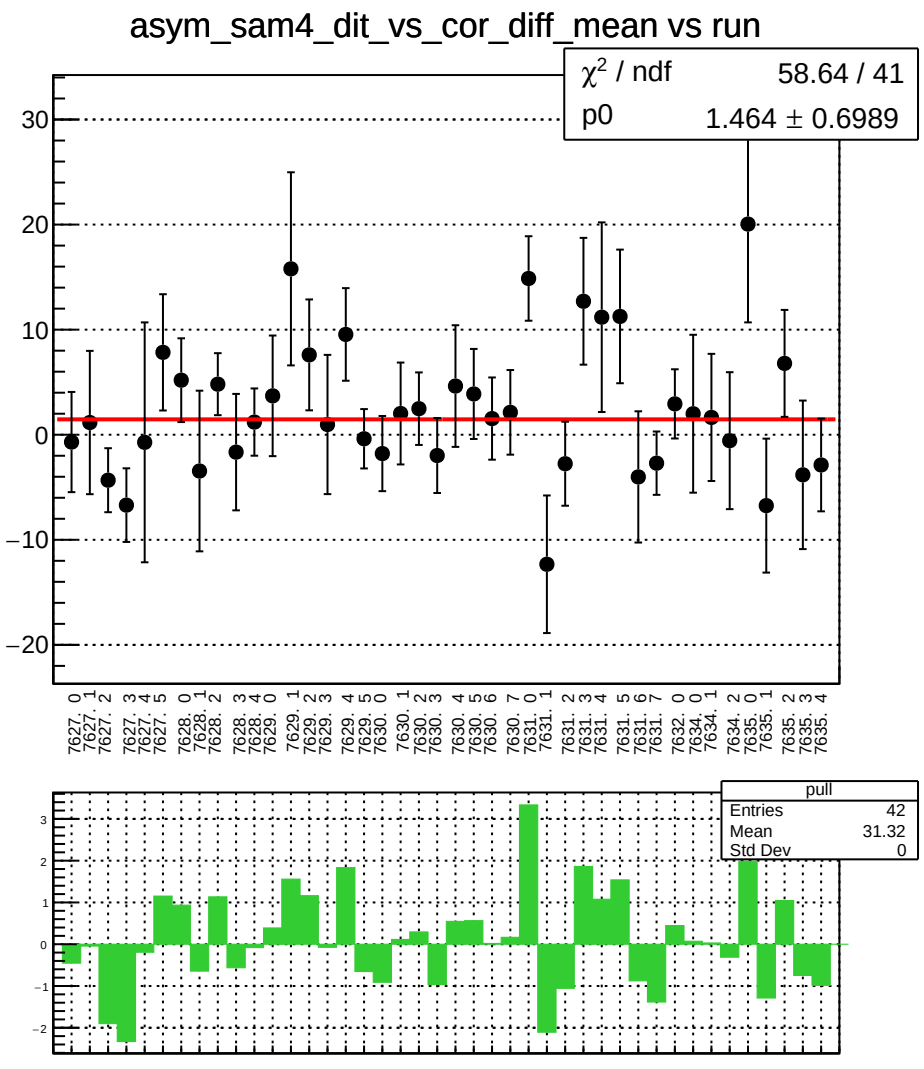

asym_sam4_mean vs run
×10^3
χ² / ndf 44.79 / 41
p0 −5.822e+04 ± 3.074e+04
800
600
400
200
0
−200
−400
−600
−800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.789
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

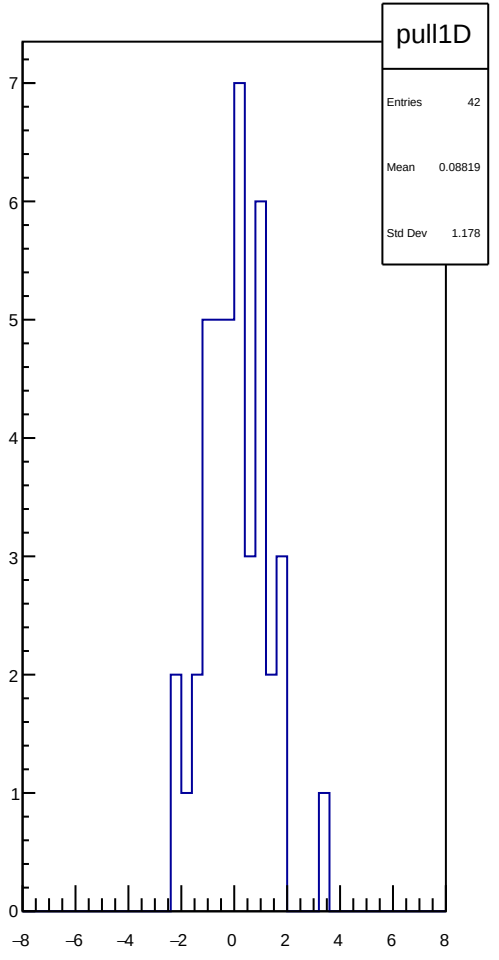

pull1D
Entries 42
Mean −0.02574
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

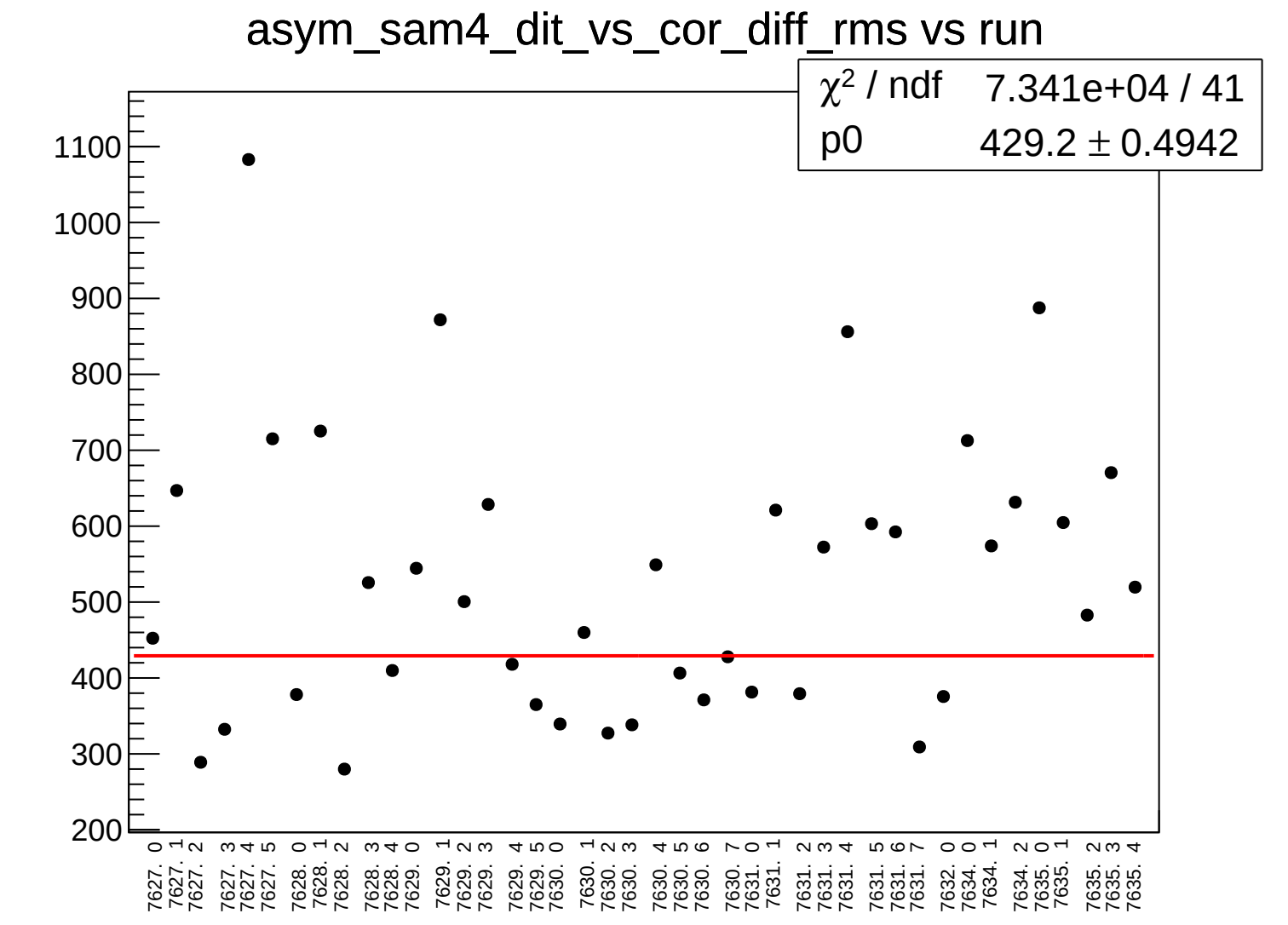

asym_sam4_rms vs run
χ² / ndf 2.809e+04 / 41
p0 1.944e+04 ± 21.74
26000
24000
22000
20000
18000
16000
14000
12000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

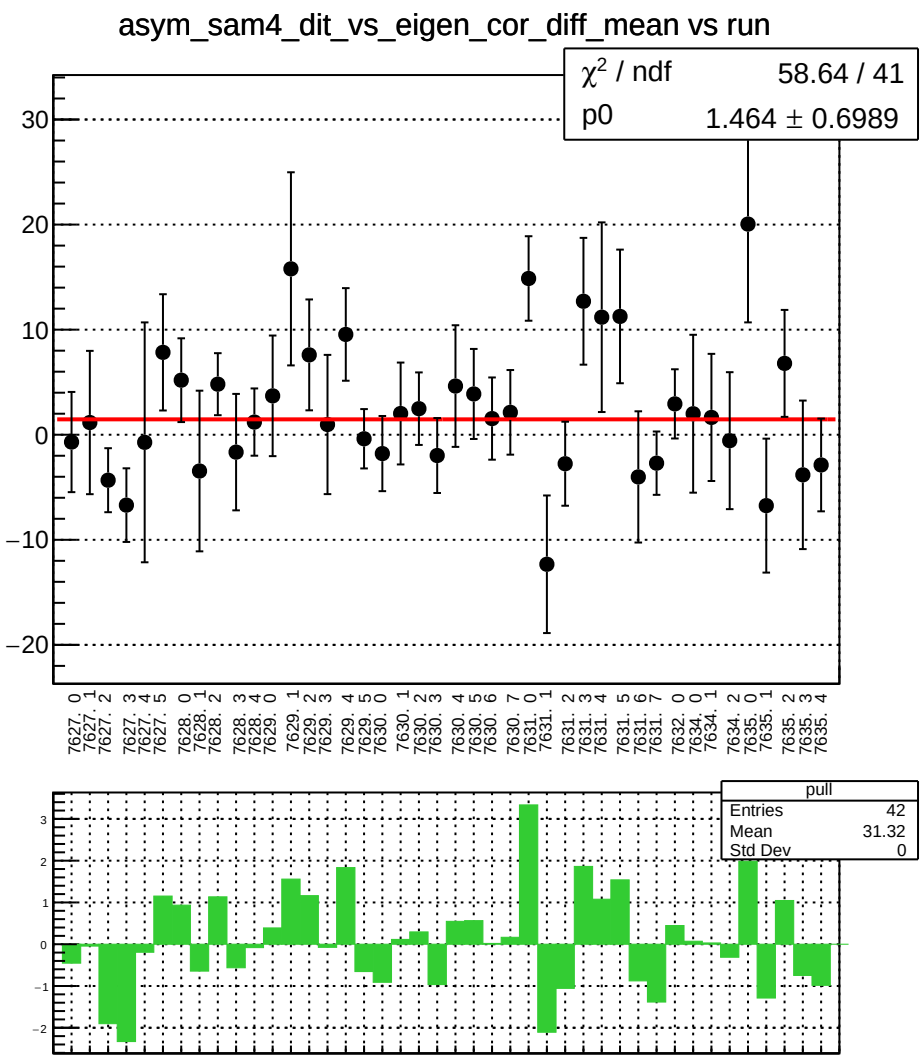

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 45.85 / 41
p0 1.196e−12 ± 8.91e−12
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 43.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.04662
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

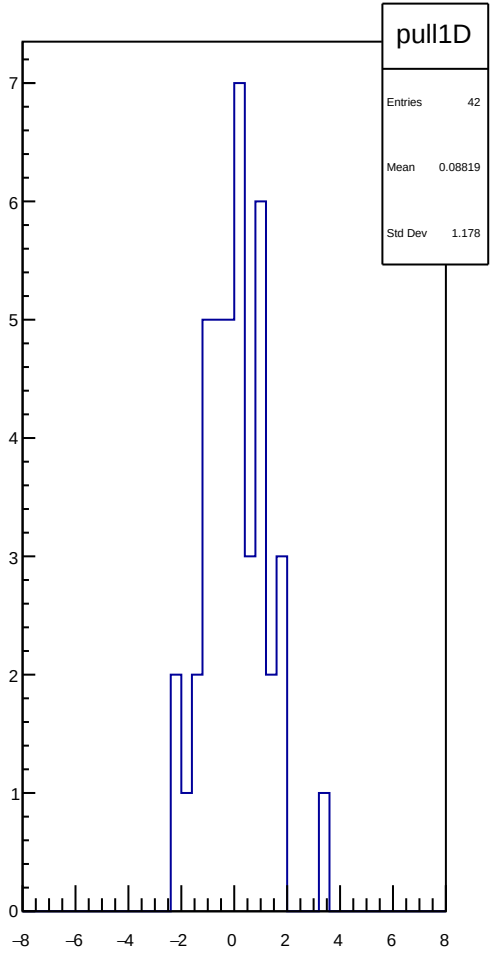

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 4.988e+05 / 41
p0 3.614e−09 ± 6.301e−12
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

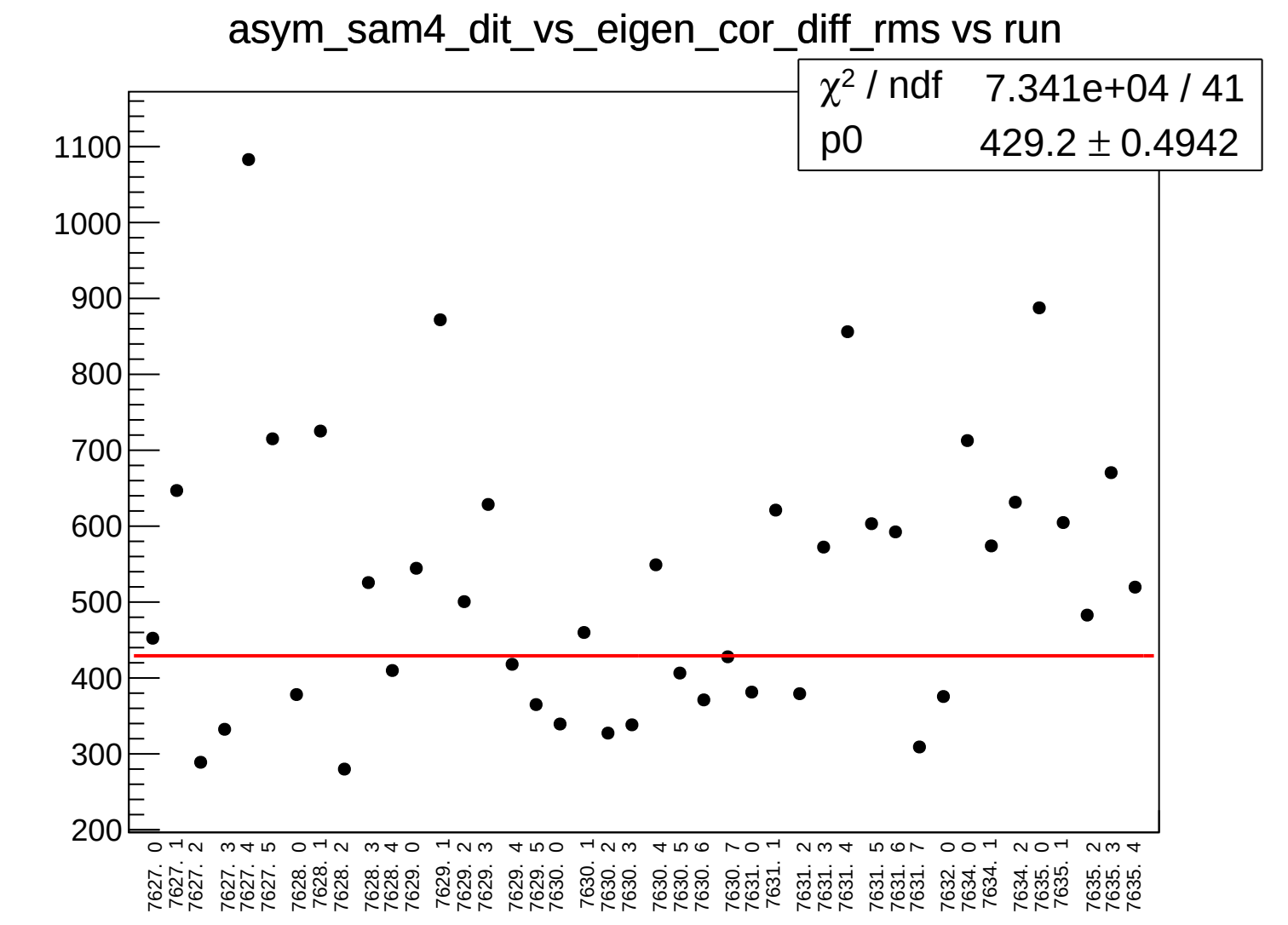

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 58.64 / 41
p0 1.464 ± 0.6989
30
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.32
Std Dev 0
3
2
1
0
−1
−2

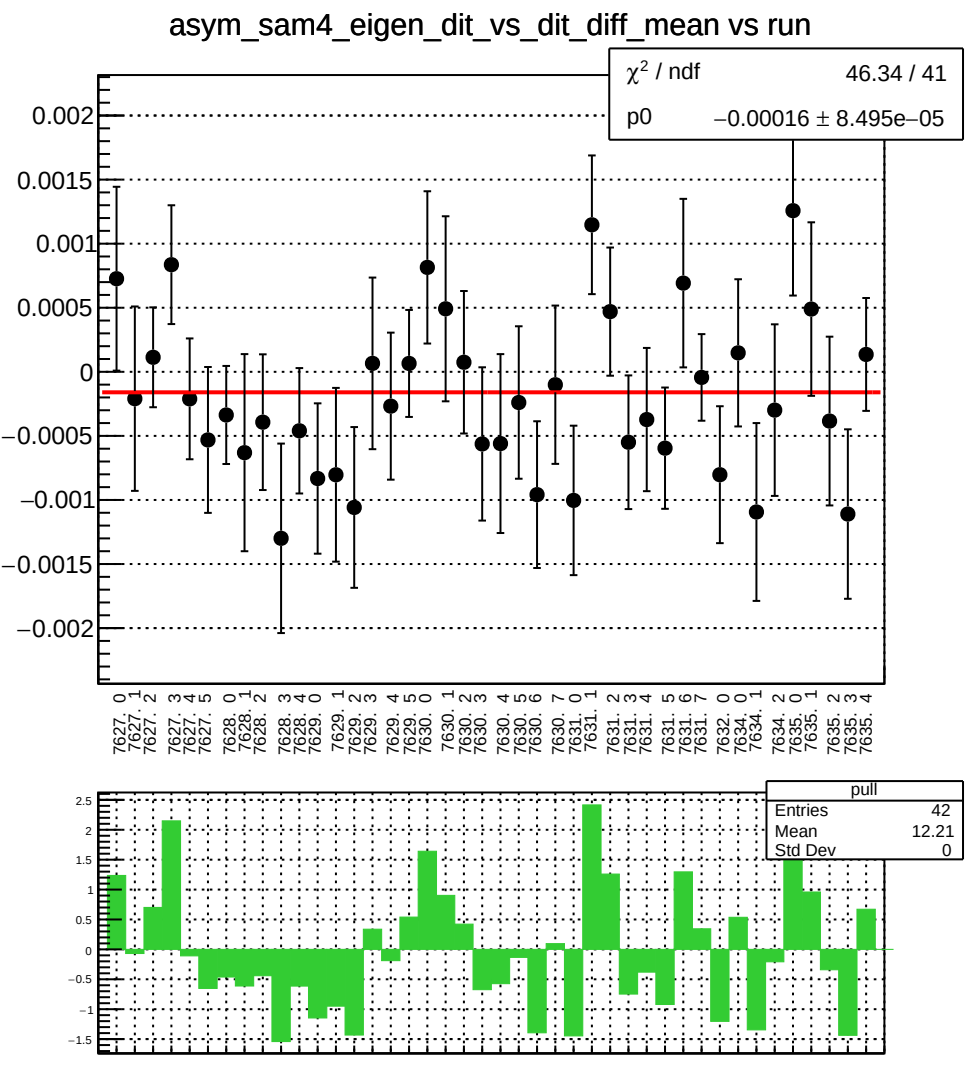

pull1D
Entries 42
Mean 0.08819
Std Dev 1.178
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

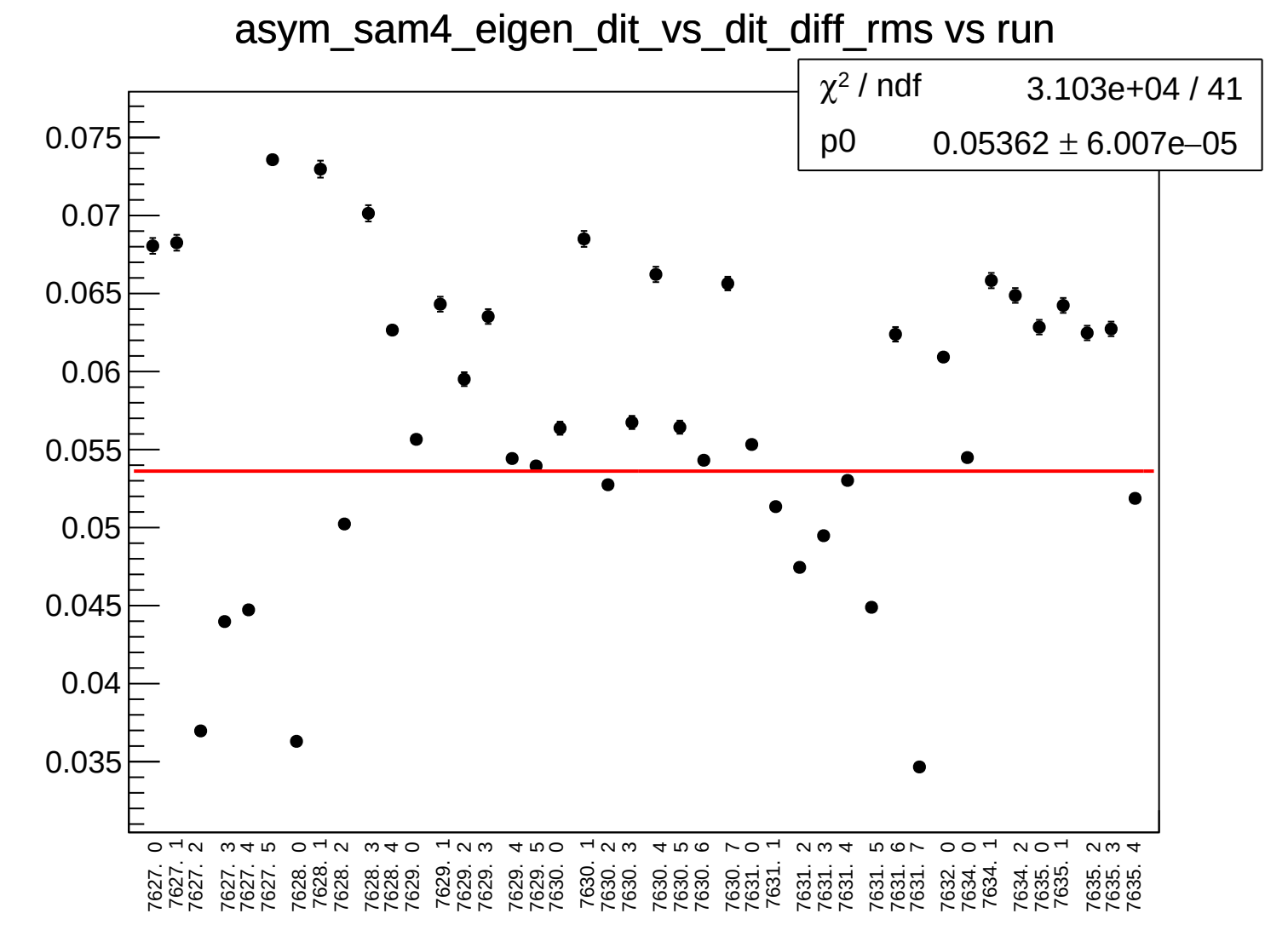

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 7.341e+04 / 41
p0 429.2 ± 0.4942
1100
1000
900
800
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

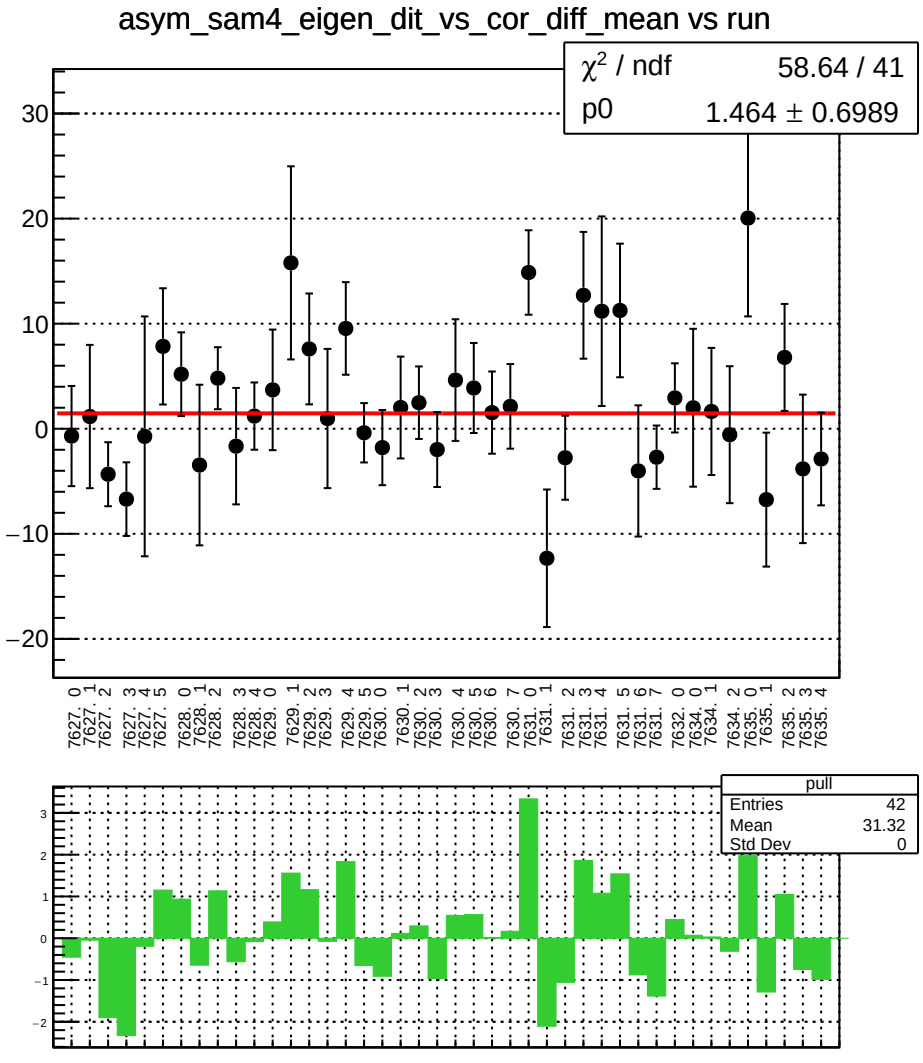

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.64 / 41
p0 1.464 ± 0.6989
pull
Entries 42
Mean 31.32
Std Dev 0

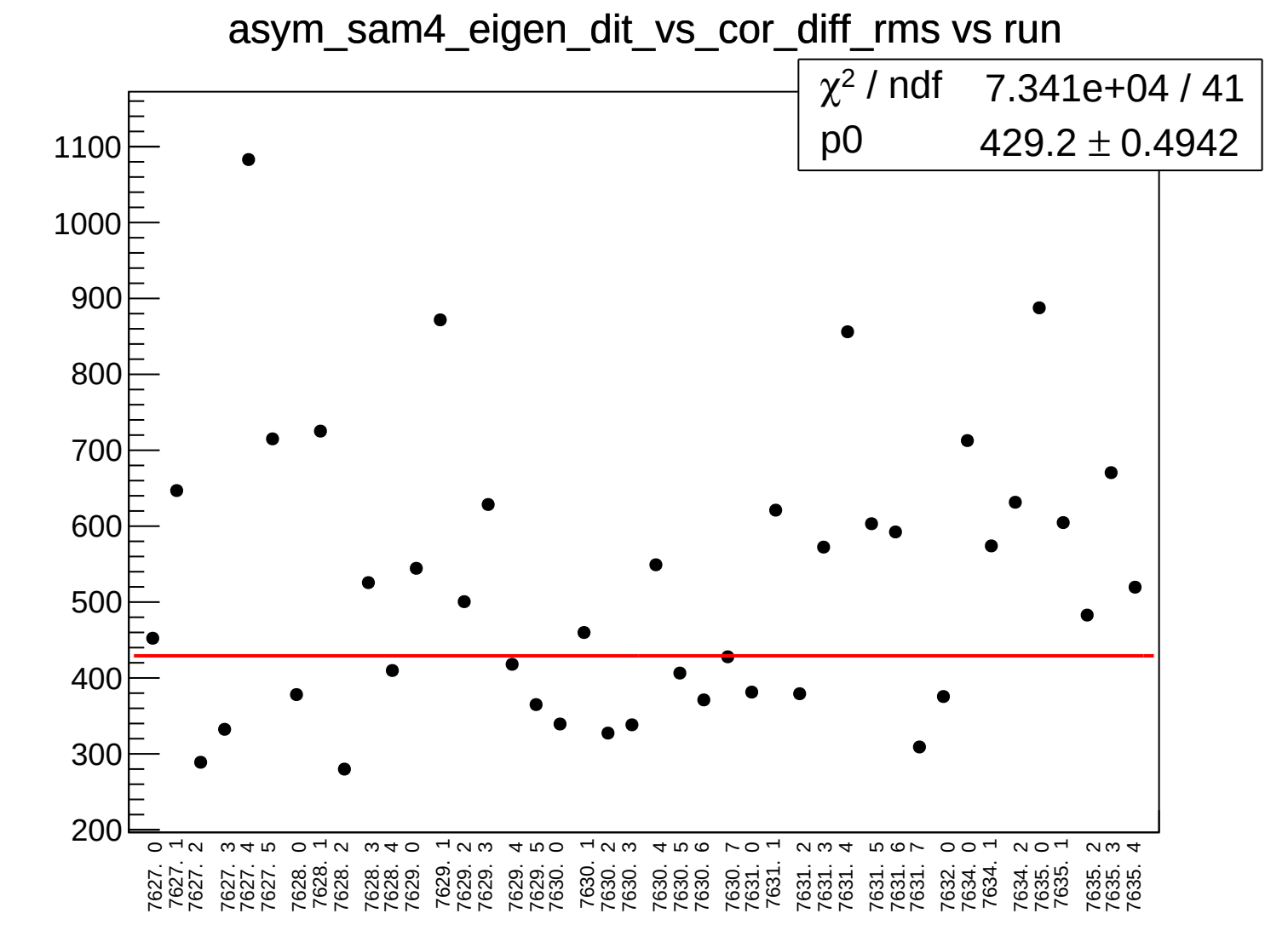

pull1D
Entries 42
Mean 0.08819
Std Dev 1.178

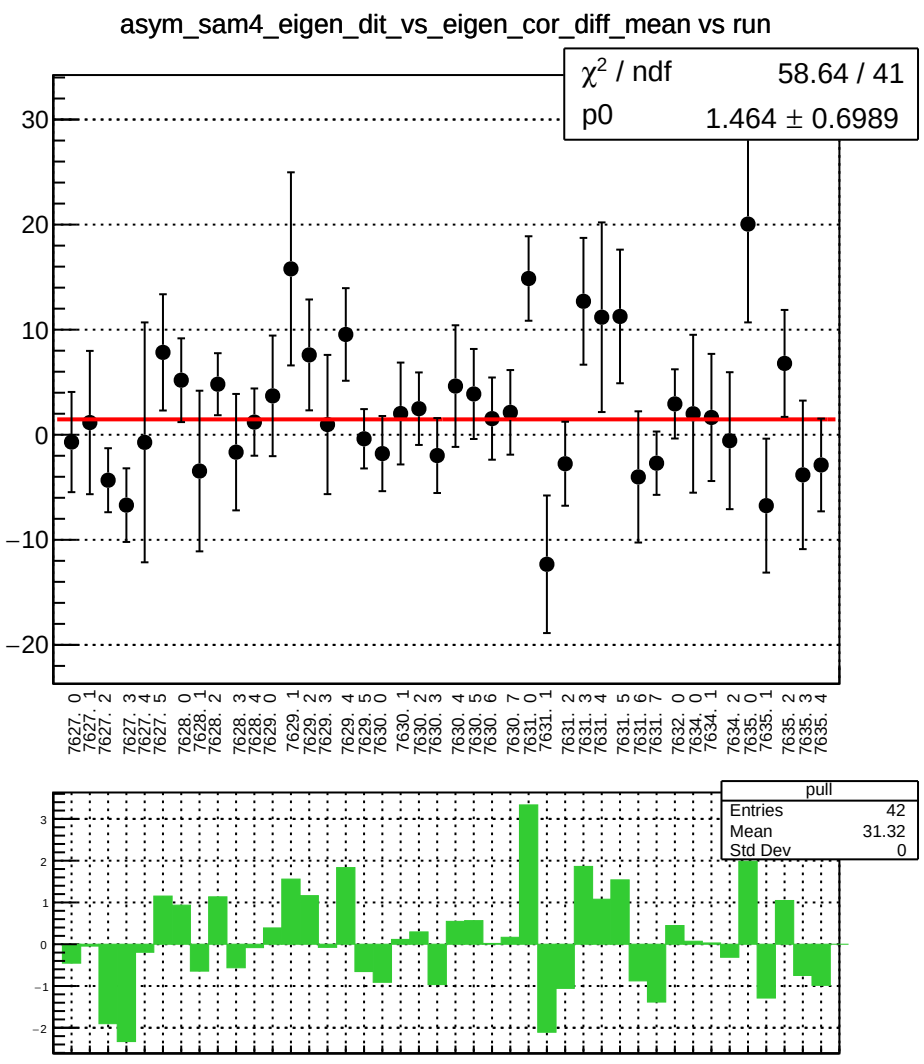

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.341e+04 / 41
p0 429.2 ± 0.4942
1100
1000
900
800
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

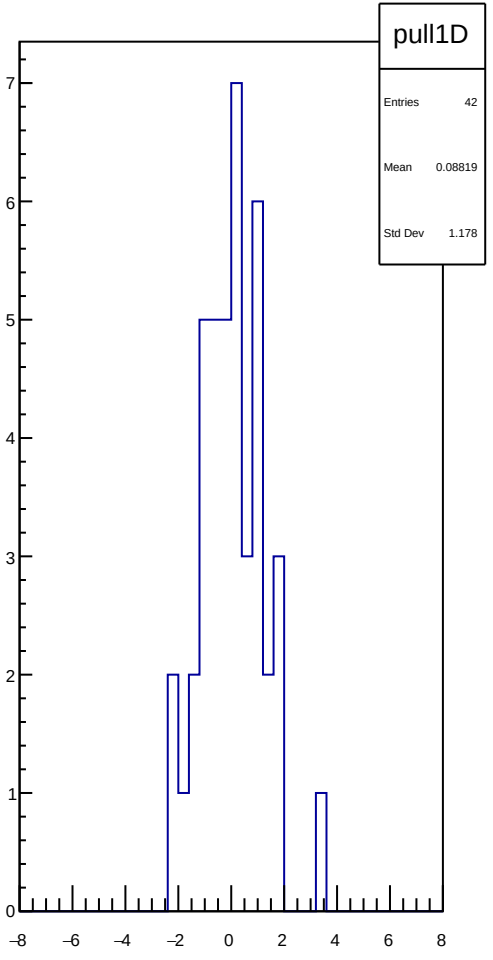

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 46.34 / 41
p0 −0.00016 ± 8.495e−05
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.21
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03274
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

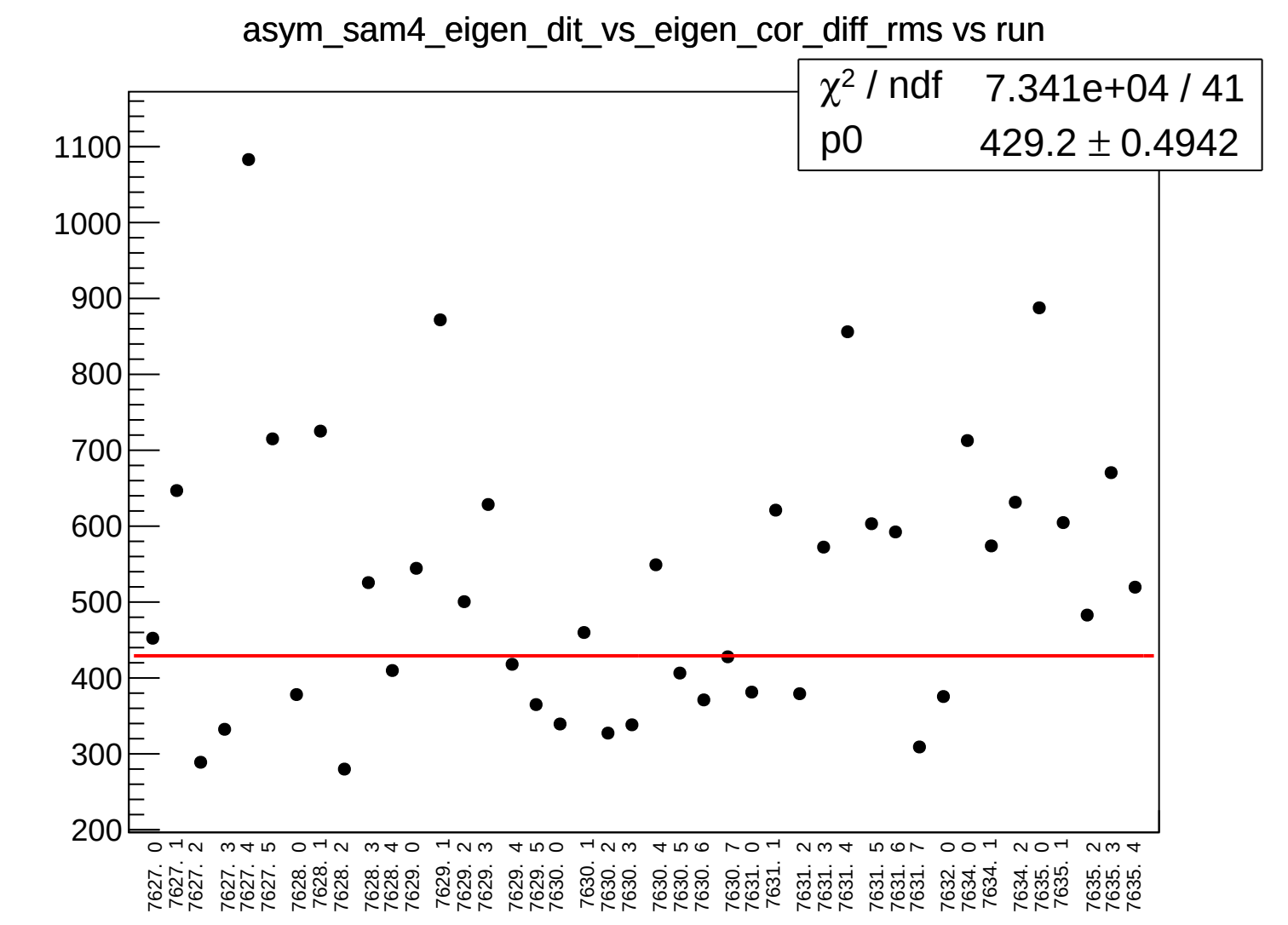

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.103e+04 / 41
p0 0.05362 ± 6.007e–05
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

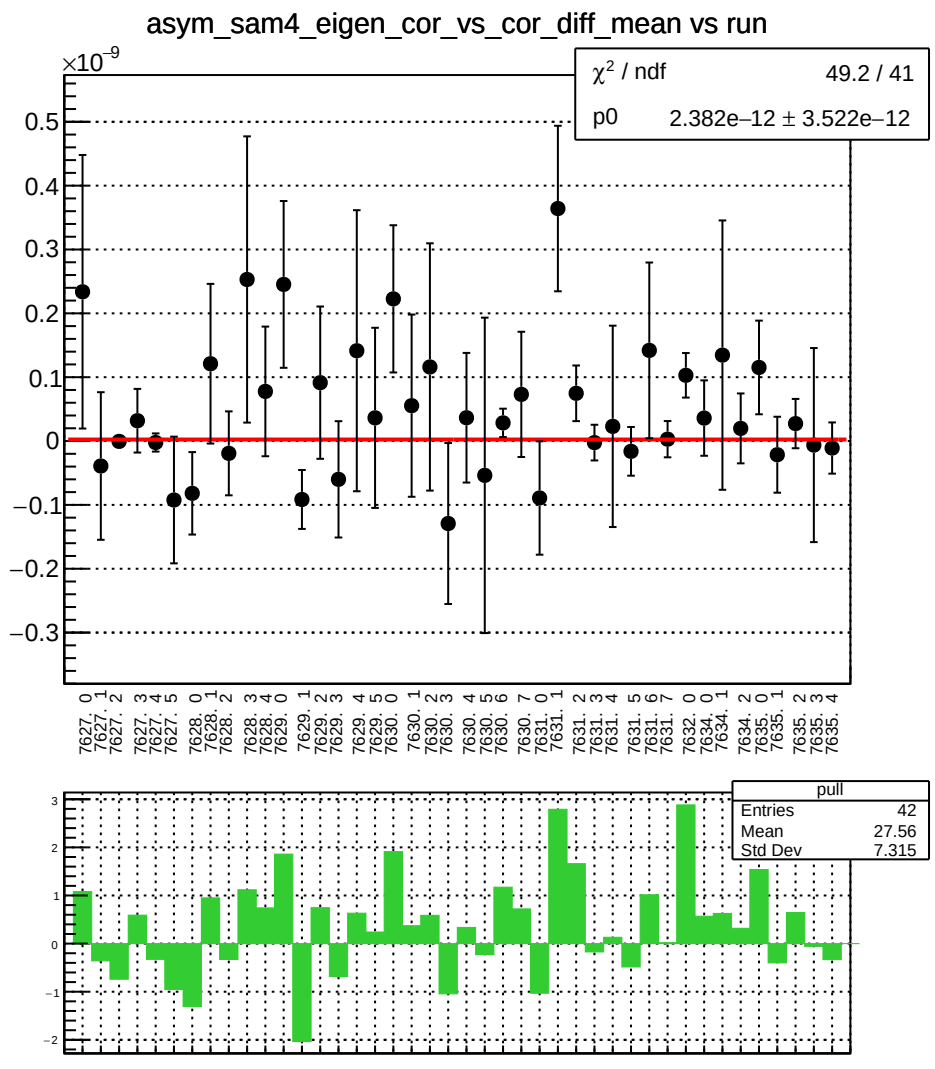

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.64 / 41
p0 1.464 ± 0.6989
pull
Entries 42
Mean 31.32
Std Dev 0
pull1D
Entries 42
Mean 0.08819
Std Dev 1.178

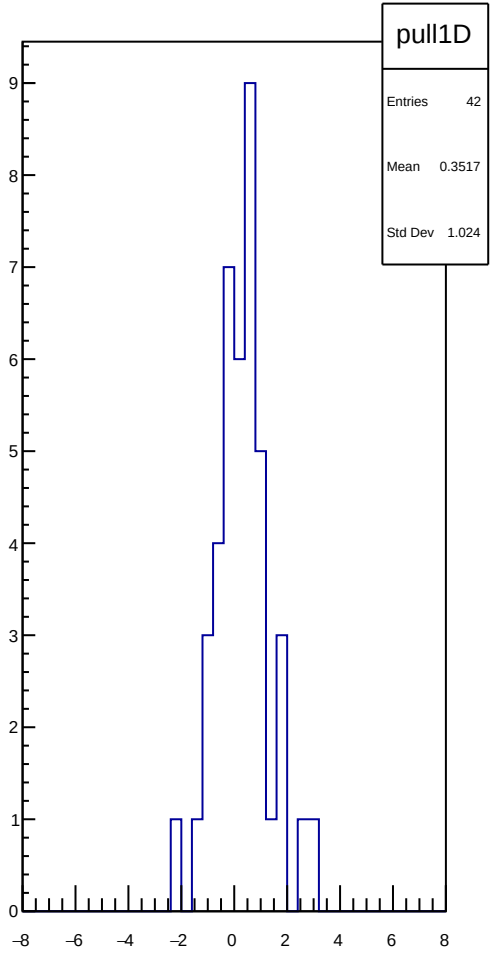

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.341e+04 / 41
p0 429.2 ± 0.4942
1100
1000
900
800
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

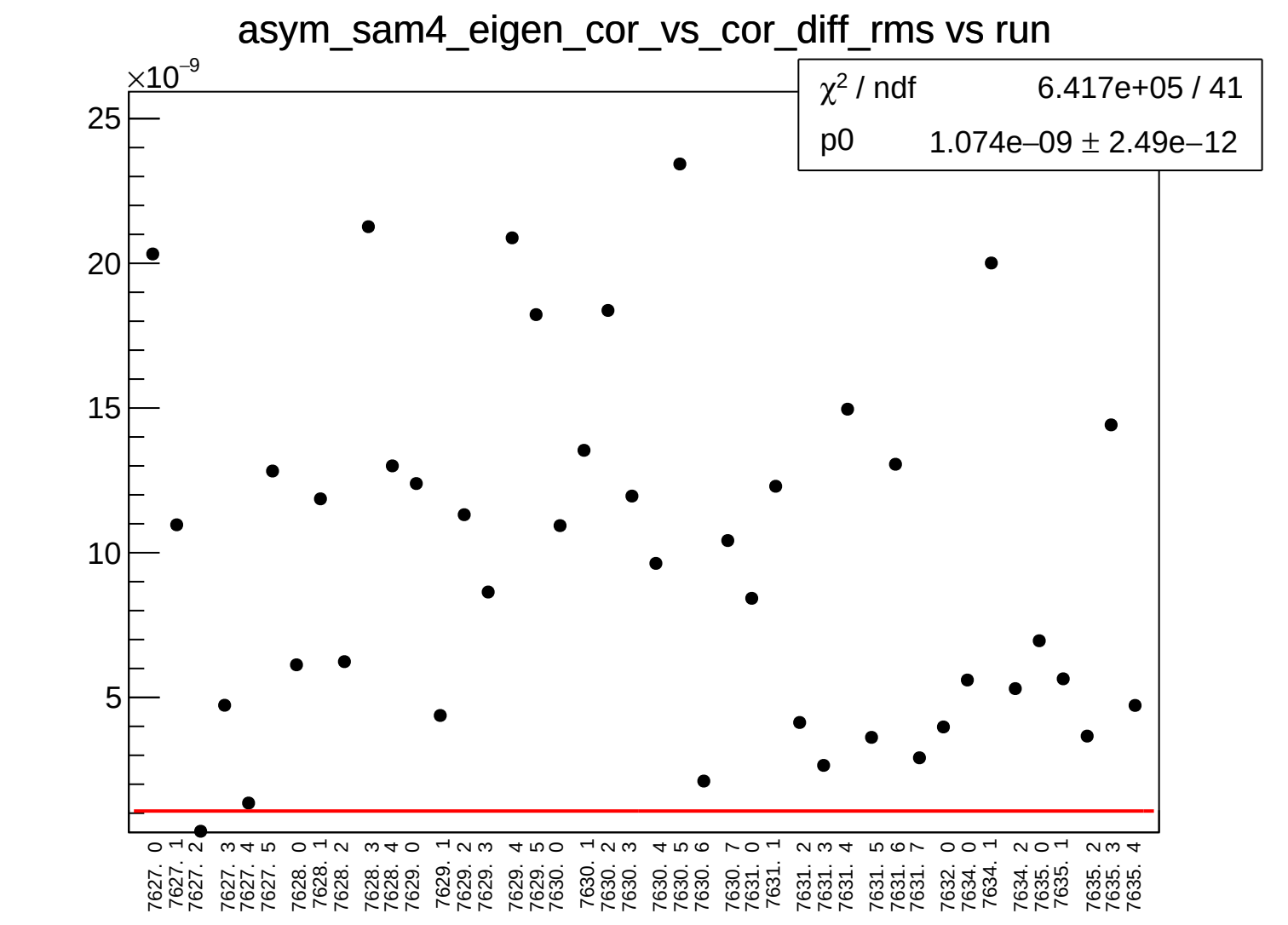

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.64 / 41
p0 1.464 ± 0.6989
pull
Entries 42
Mean 31.32
Std Dev 0

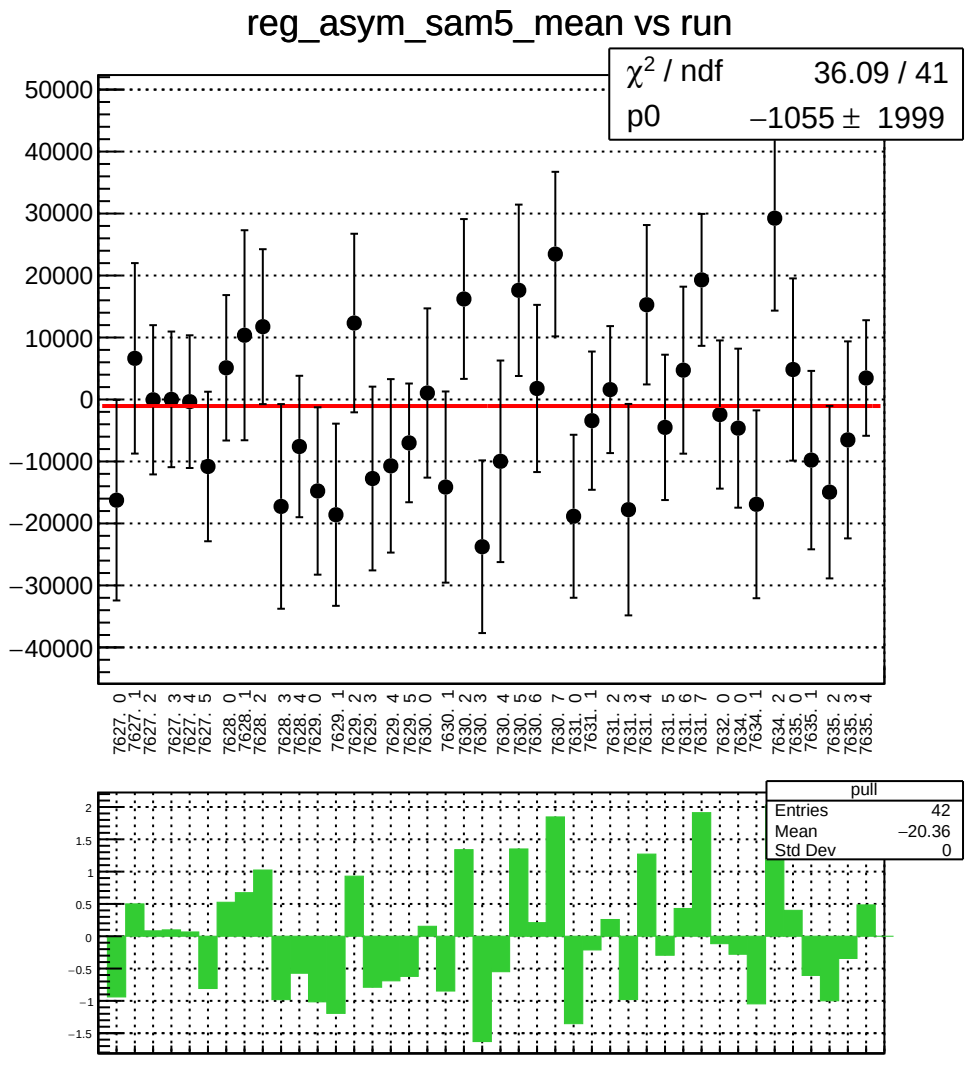

pull1D
Entries 42
Mean 0.08819
Std Dev 1.178

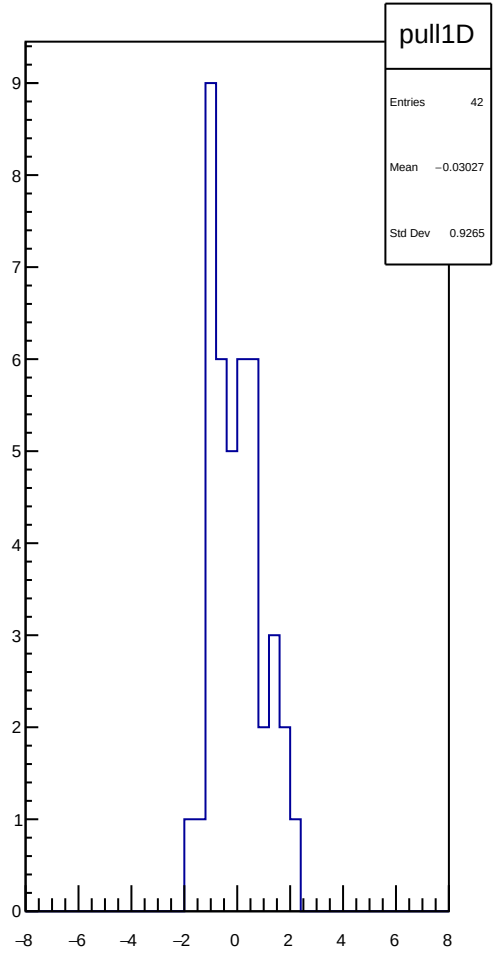

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.341e+04 / 41
p0 429.2 ± 0.4942
1100
1000
900
800
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

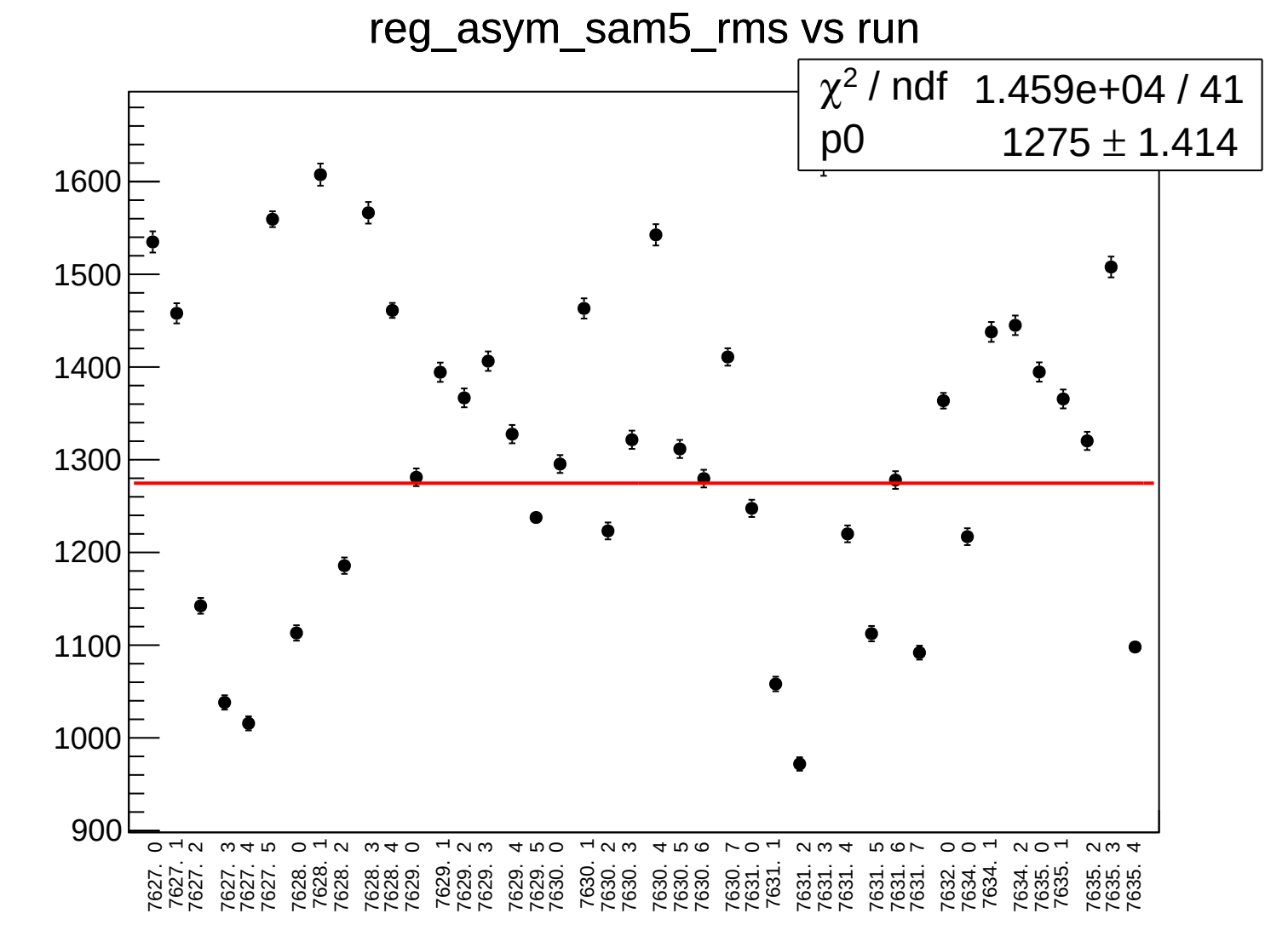

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 49.2 / 41
p0 2.382e−12 ± 3.522e−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 27.56
Std Dev 7.315
3
2
1
0
−1
−2

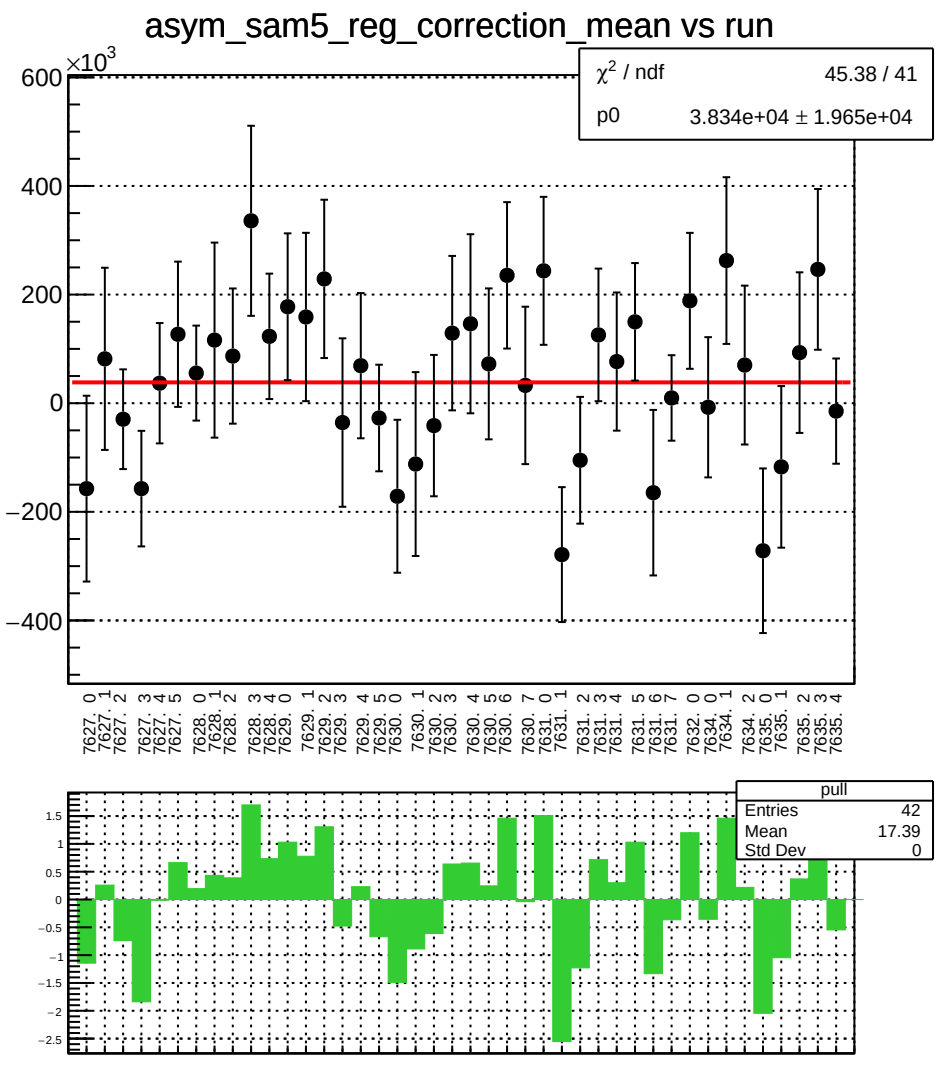

pull1D
Entries 42
Mean 0.3517
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

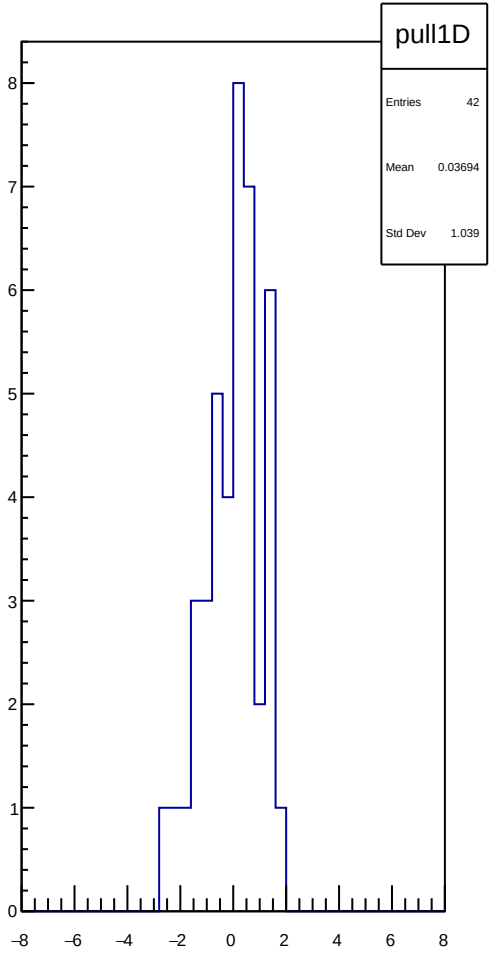

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.417e+05 / 41
p0 1.074e−09 ± 2.49e−12
25
20
15
10
5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

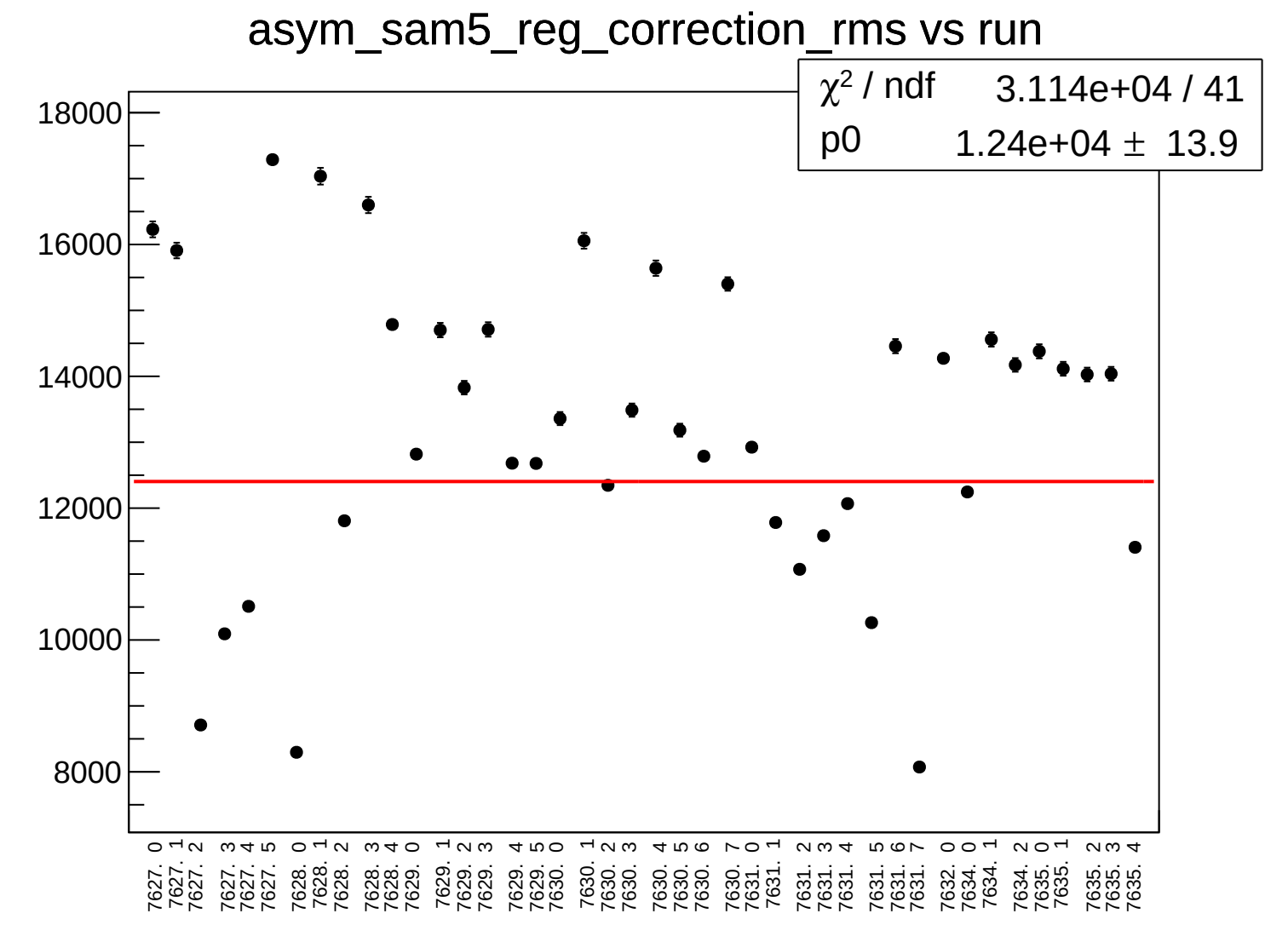

reg_asym_sam5_mean vs run
χ² / ndf 36.09 / 41
p0 −1055 ± 1999
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −20.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

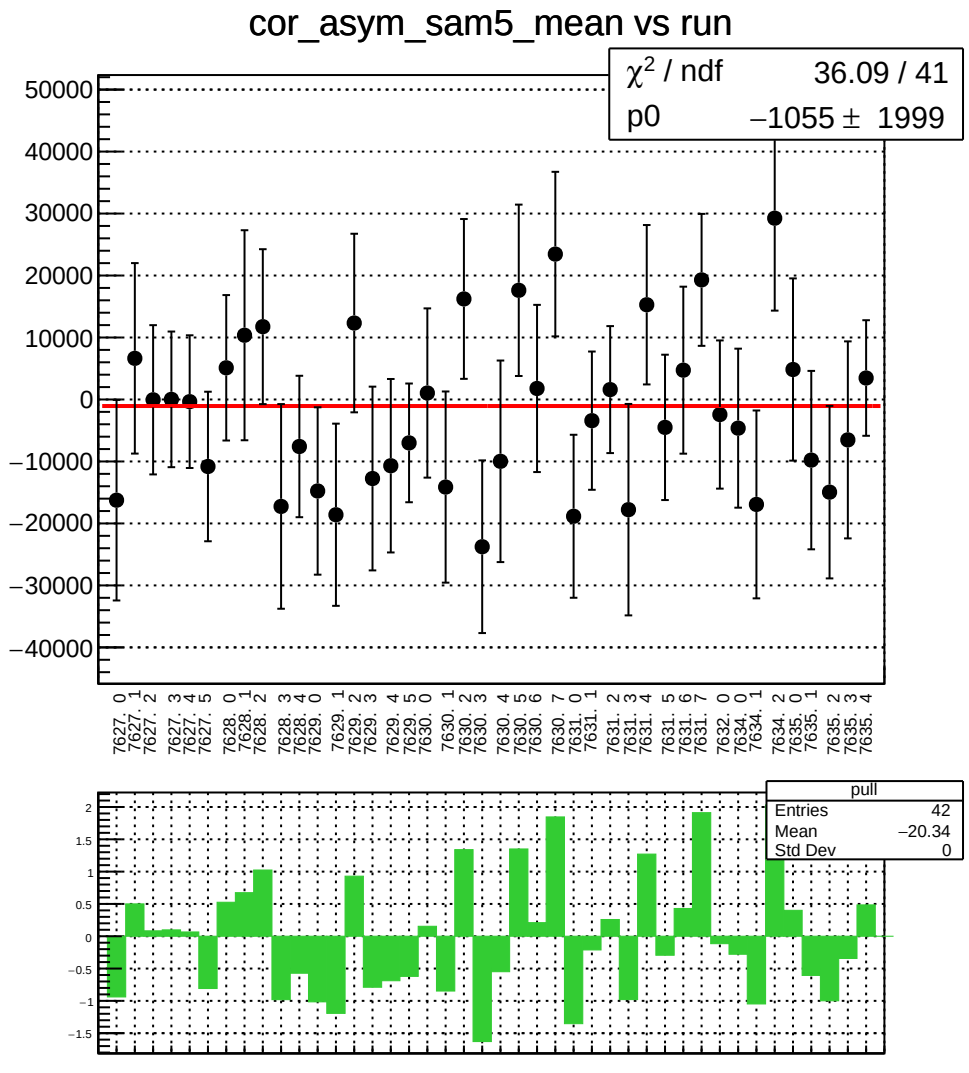

pull1D
Entries 42
Mean −0.03027
Std Dev 0.9265
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

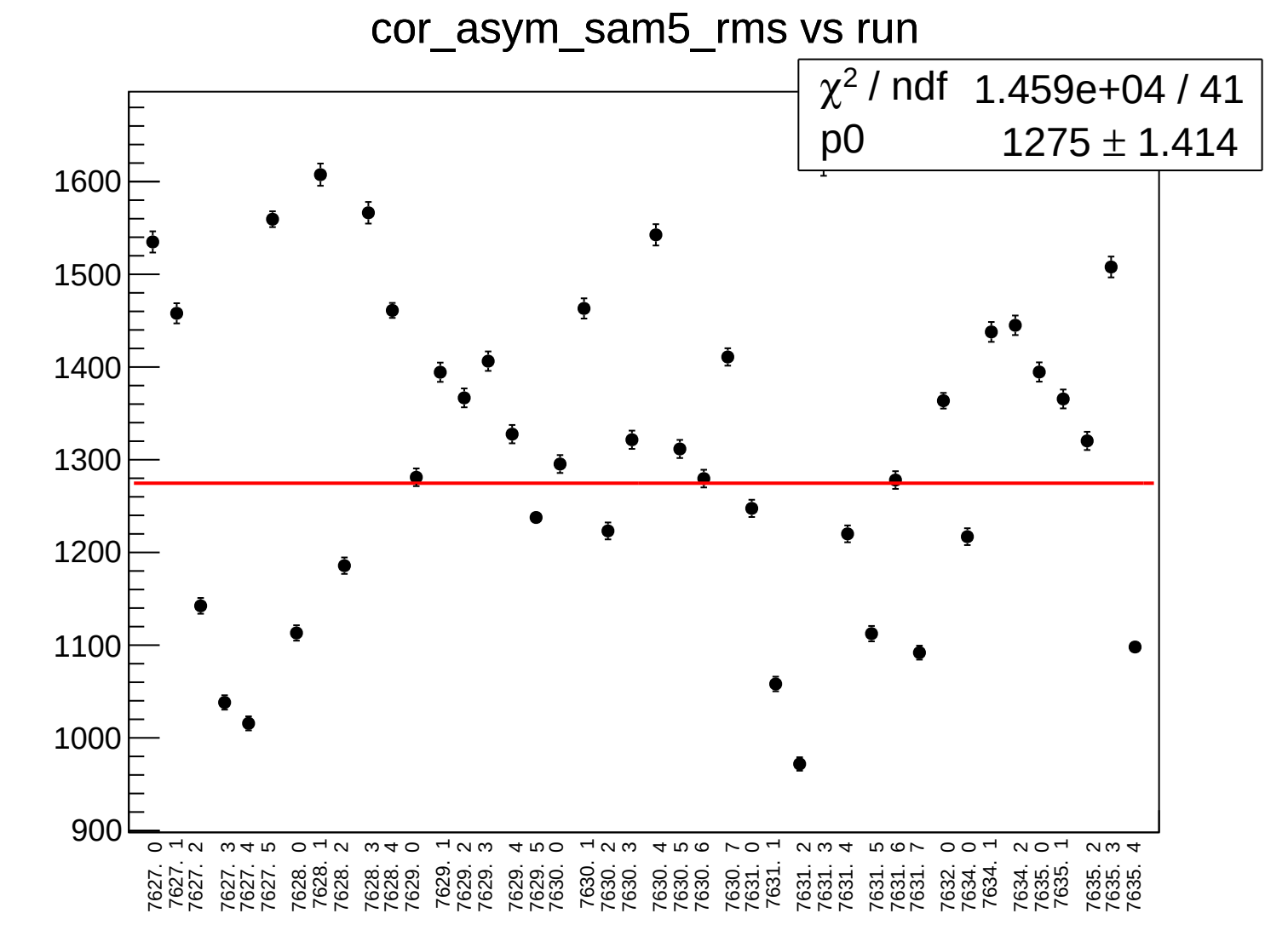

reg_asym_sam5_rms vs run
χ² / ndf 1.459e+04 / 41
p0 1275 ± 1.414
1600
1500
1400
1300
1200
1100
1000
900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

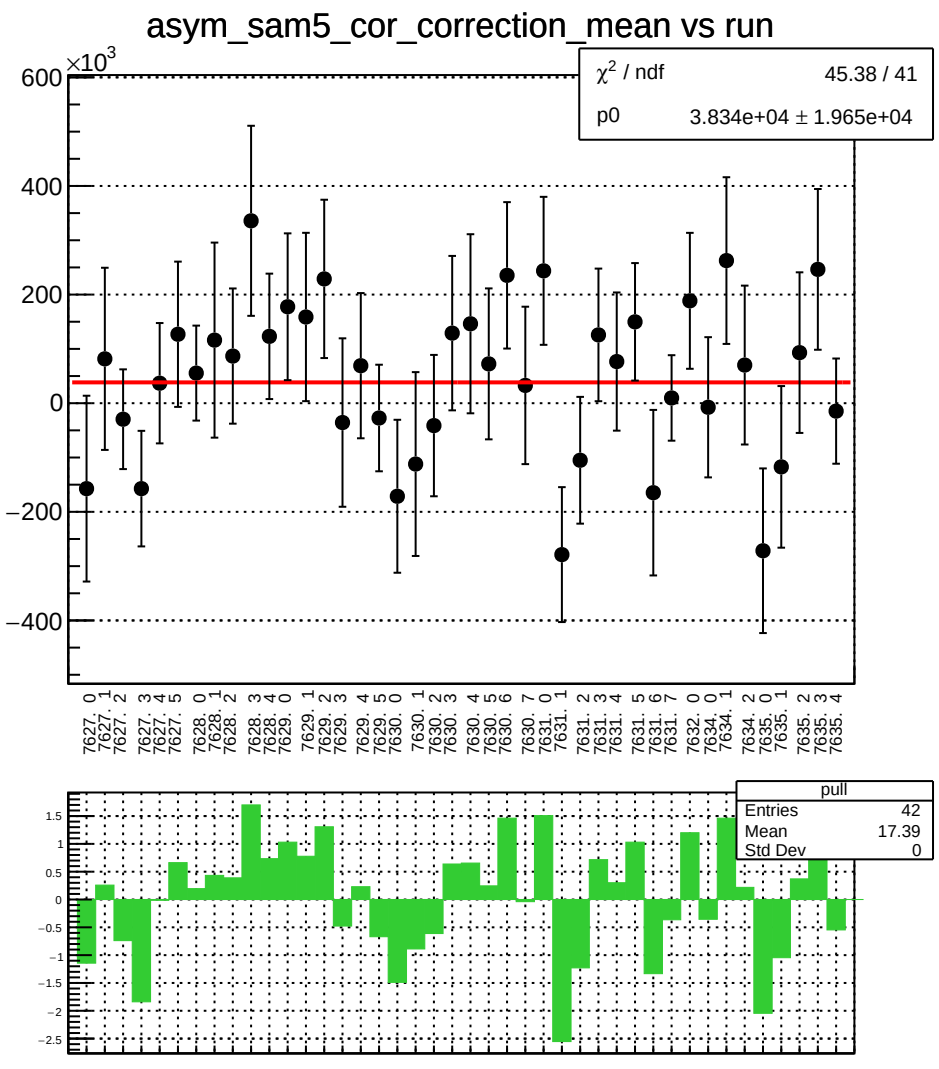

asym_sam5_reg_correction_mean vs run
×10^3
χ² / ndf 45.38 / 41
p0 3.834e+04 ± 1.965e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

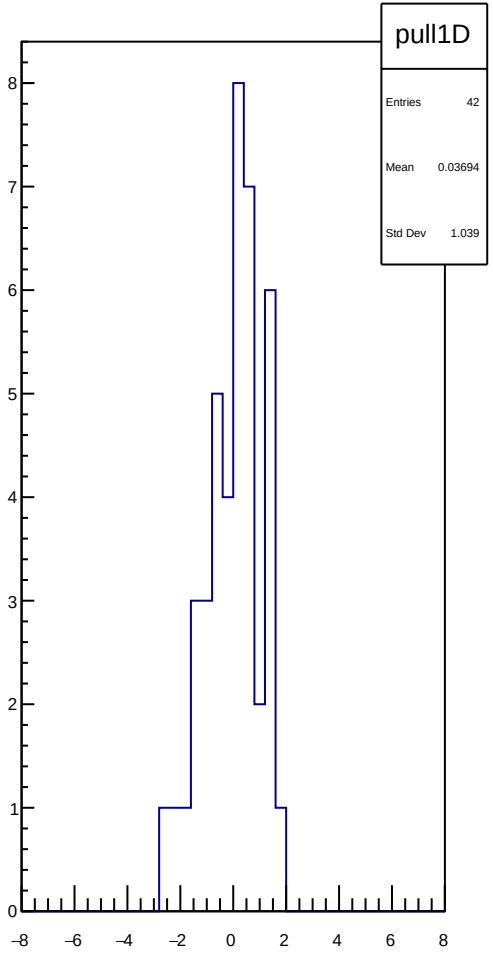

pull1D
Entries 42
Mean 0.03694
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

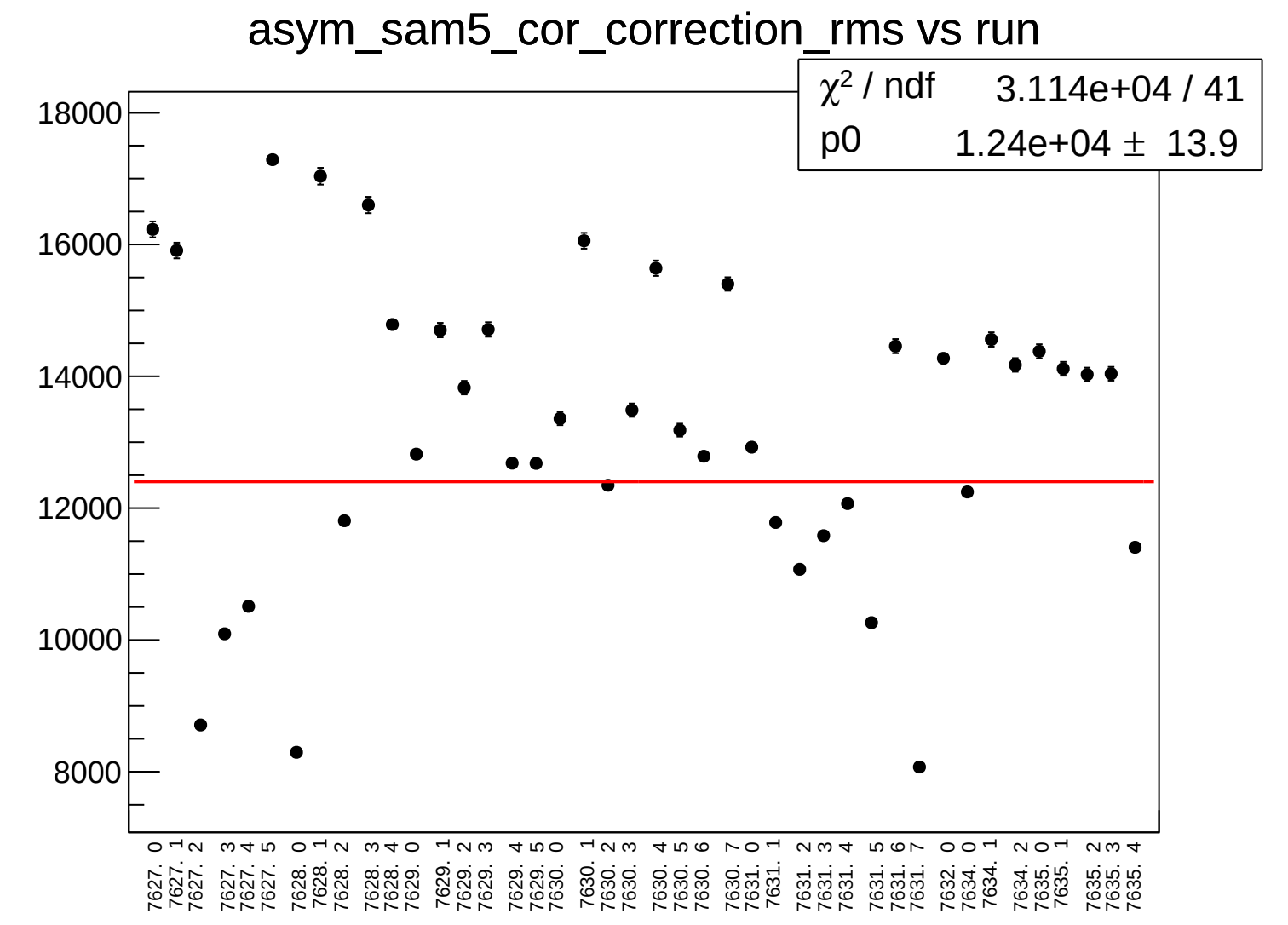

asym_sam5_reg_correction_rms vs run
χ² / ndf 3.114e+04 / 41
p0 1.24e+04 ± 13.9
18000
16000
14000
12000
10000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_sam5_mean vs run
χ² / ndf 36.09 / 41
p0 −1055 ± 1999
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −20.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03027
Std Dev 0.9265
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam5_rms vs run
χ² / ndf 1.459e+04 / 41
p0 1275 ± 1.414
1600
1500
1400
1300
1200
1100
1000
900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam5_cor_correction_mean vs run
×10^3
χ² / ndf 45.38 / 41
p0 3.834e+04 ± 1.965e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.03694
Std Dev 1.039
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 3.114e+04 / 41
p0 1.24e+04 ± 13.9
18000
16000
14000
12000
10000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
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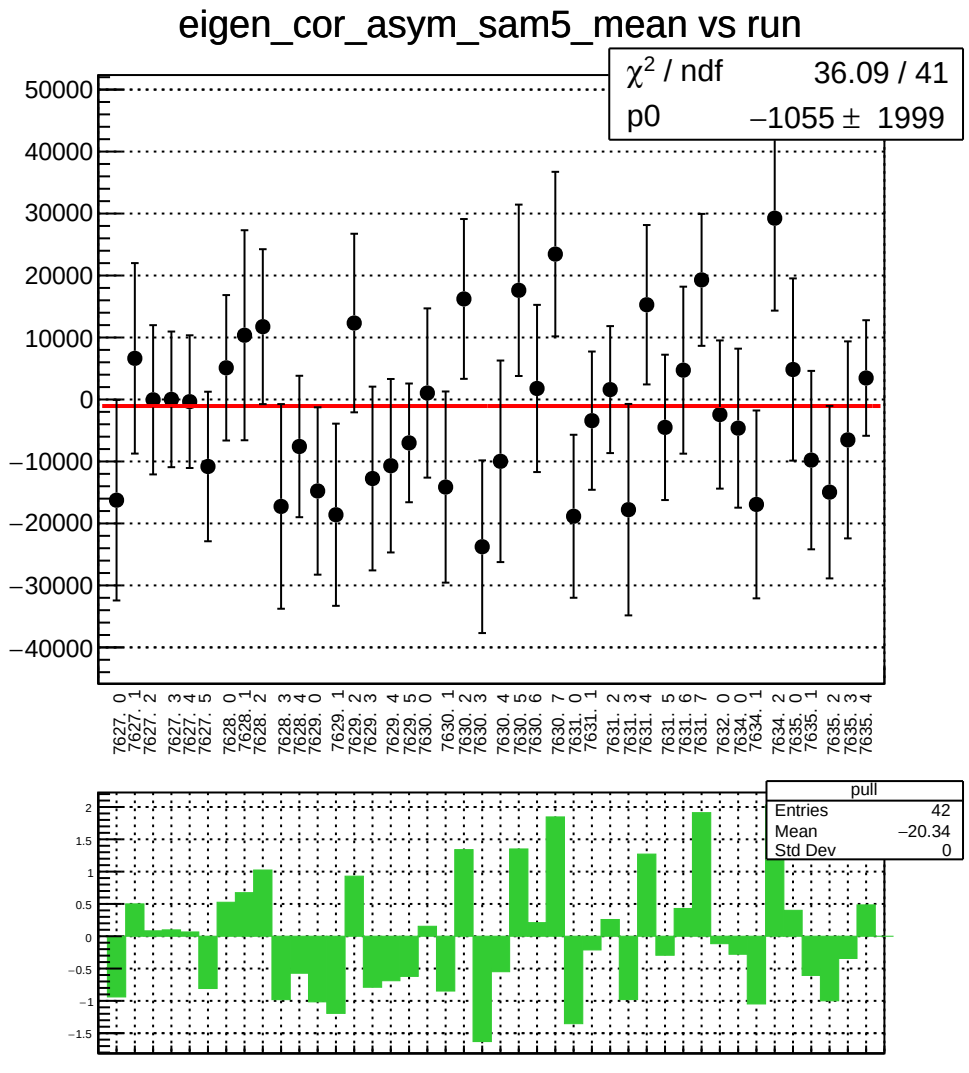
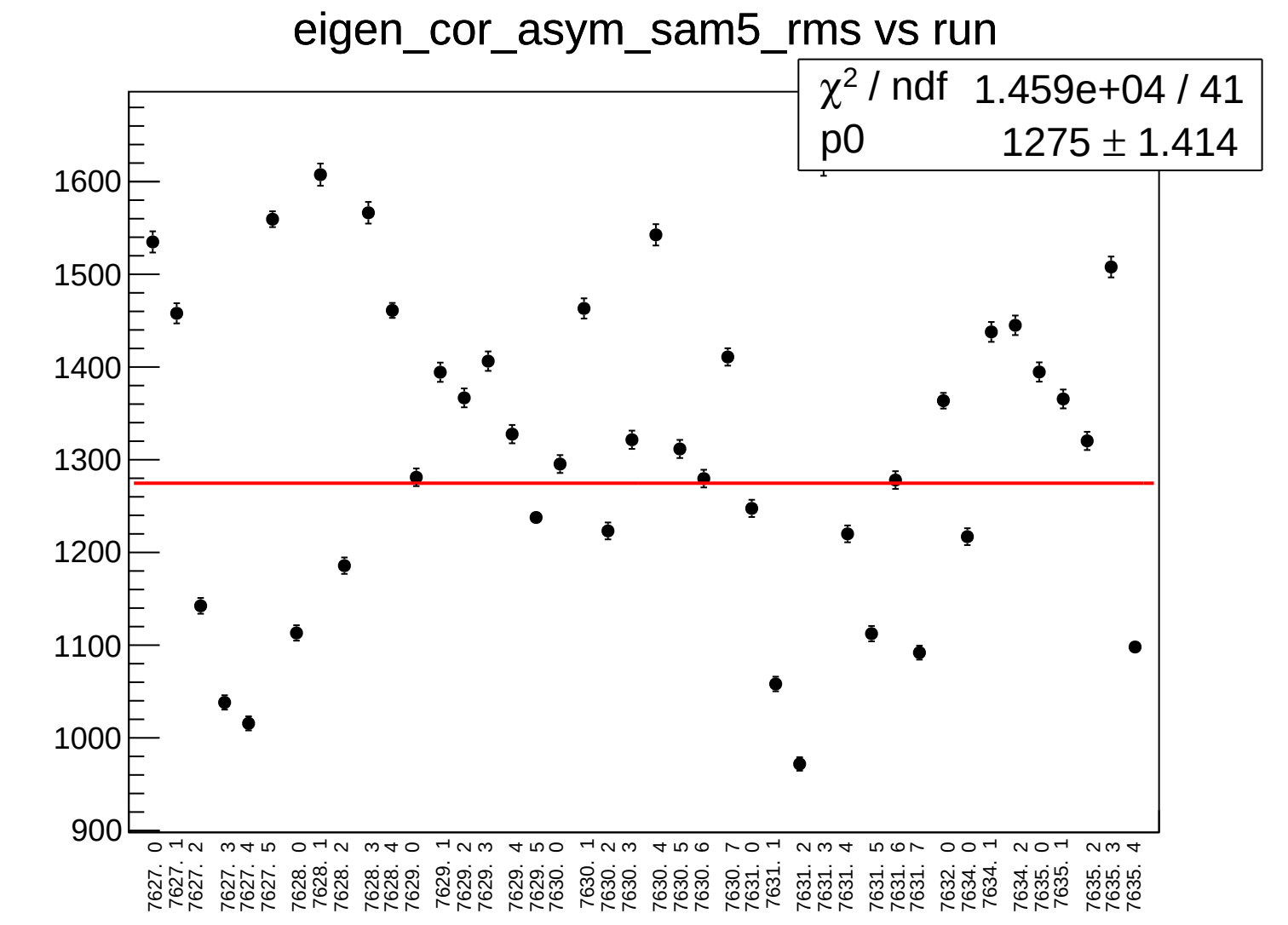
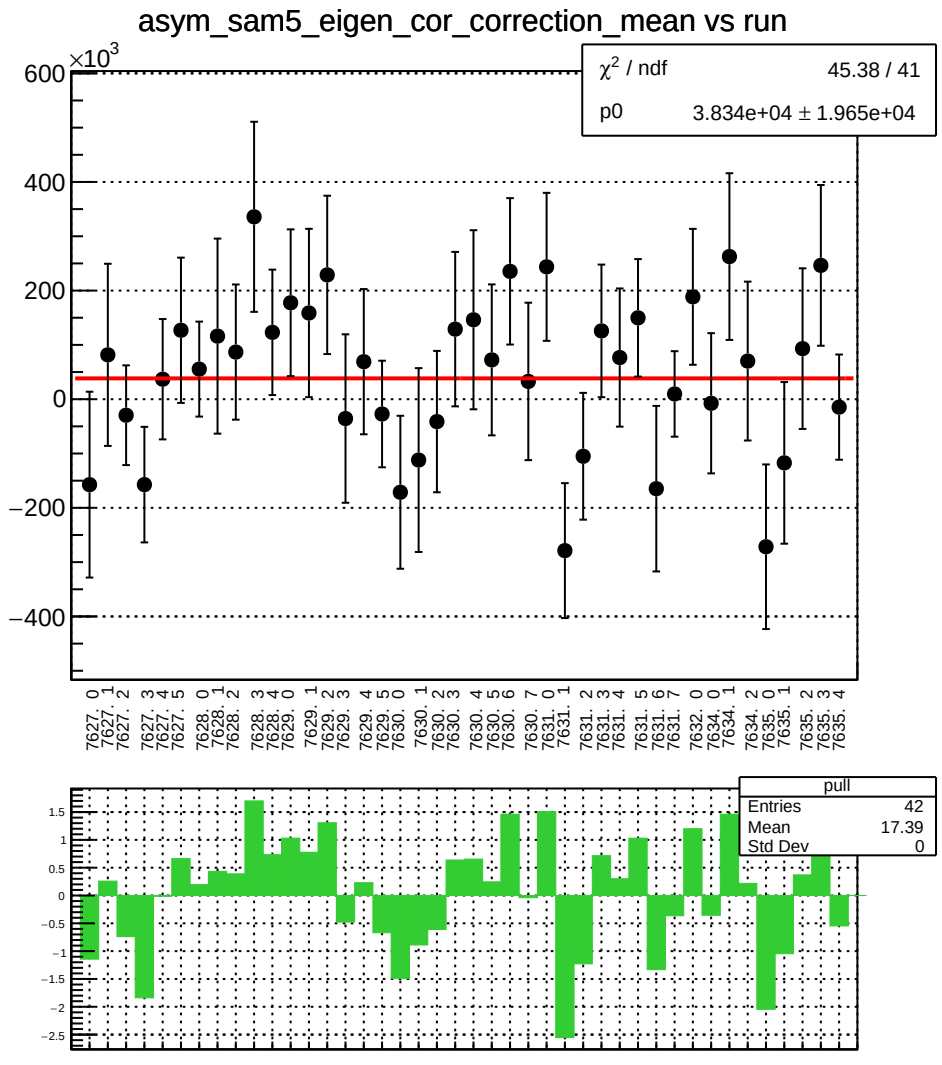
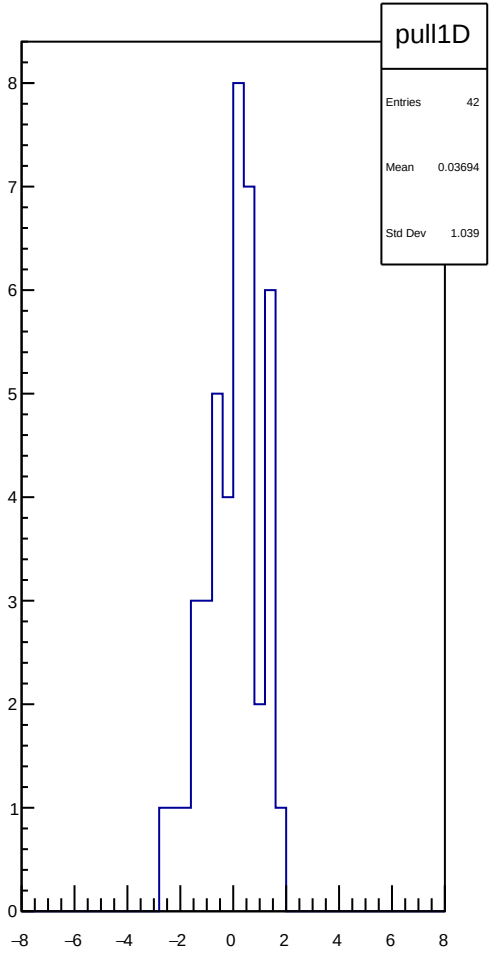
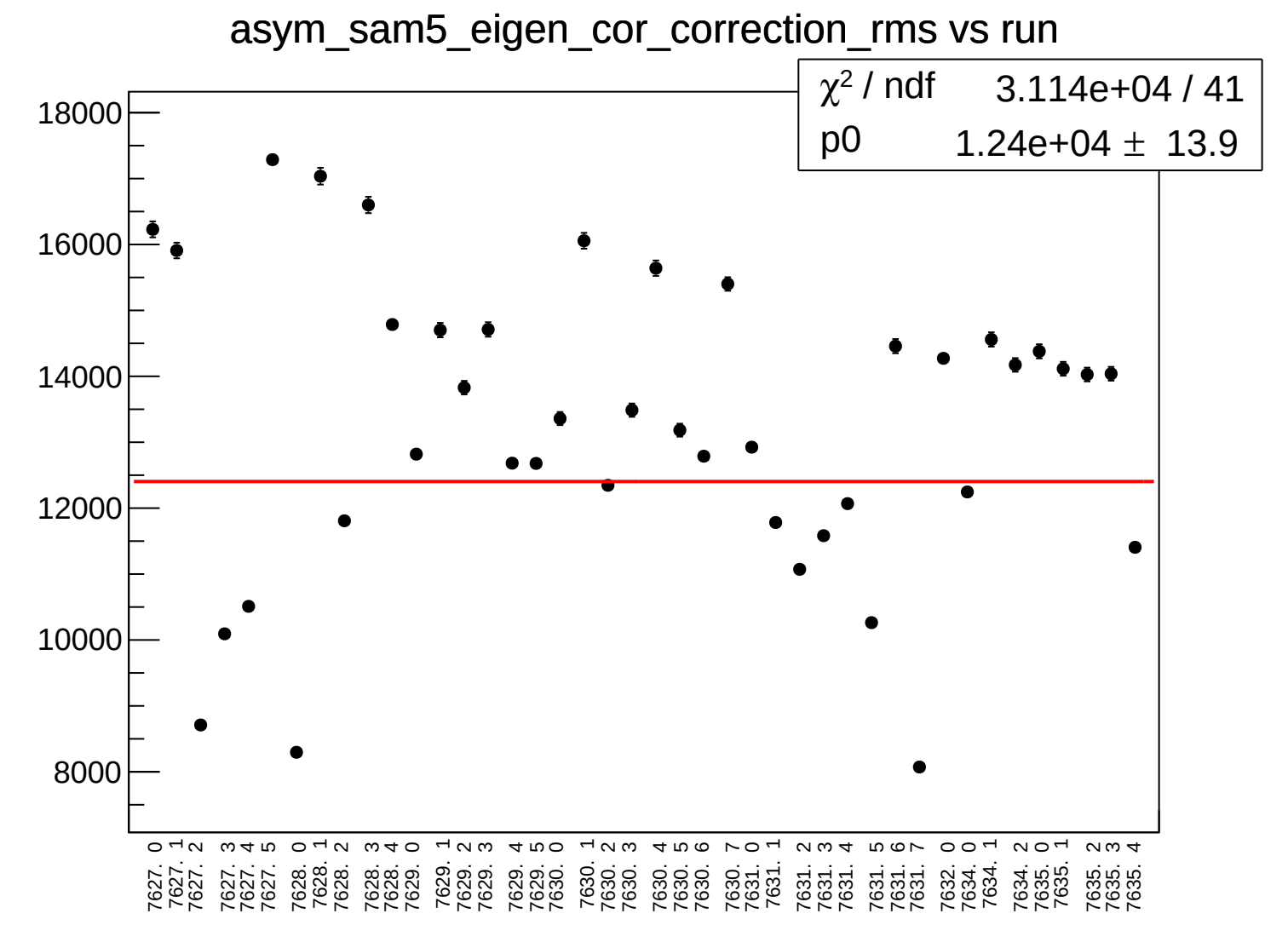
7635. 3
7635. 4

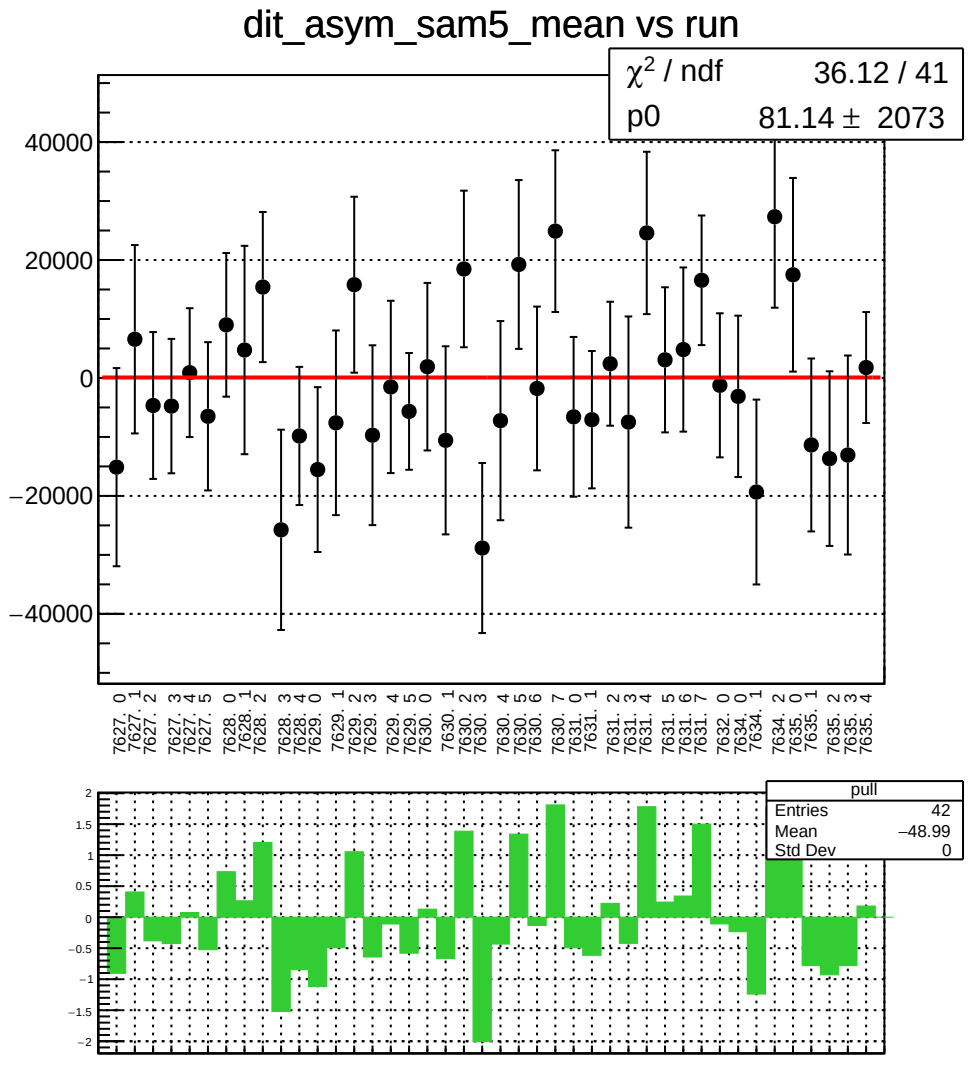

eigen_cor_asym_sam5_mean vs run
χ² / ndf 36.09 / 41
p0 −1055 ± 1999
pull
Entries 42
Mean −20.34
Std Dev 0
pull1D
Entries 42
Mean −0.03027
Std Dev 0.9265

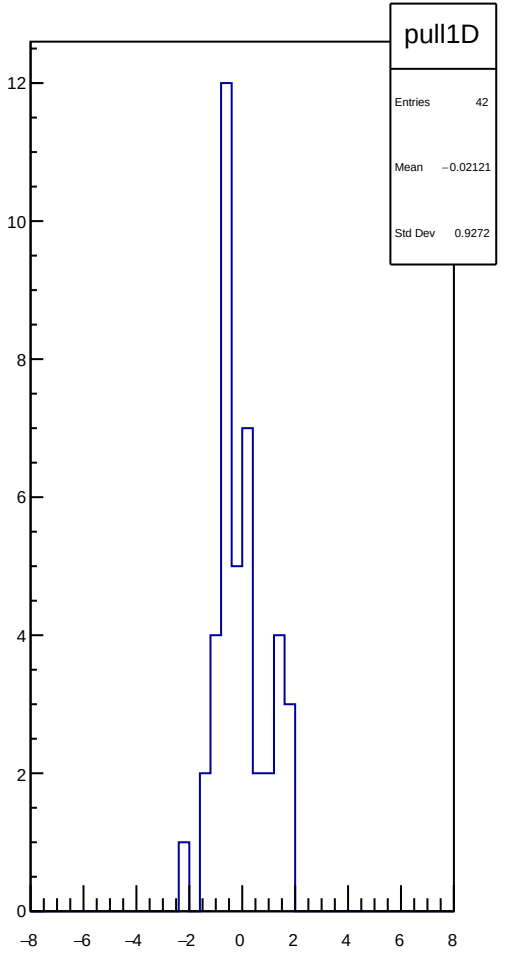

eigen_cor_asym_sam5_rms vs run
χ² / ndf 1.459e+04 / 41
p0 1275 ± 1.414
1600
1500
1400
1300
1200
1100
1000
900
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

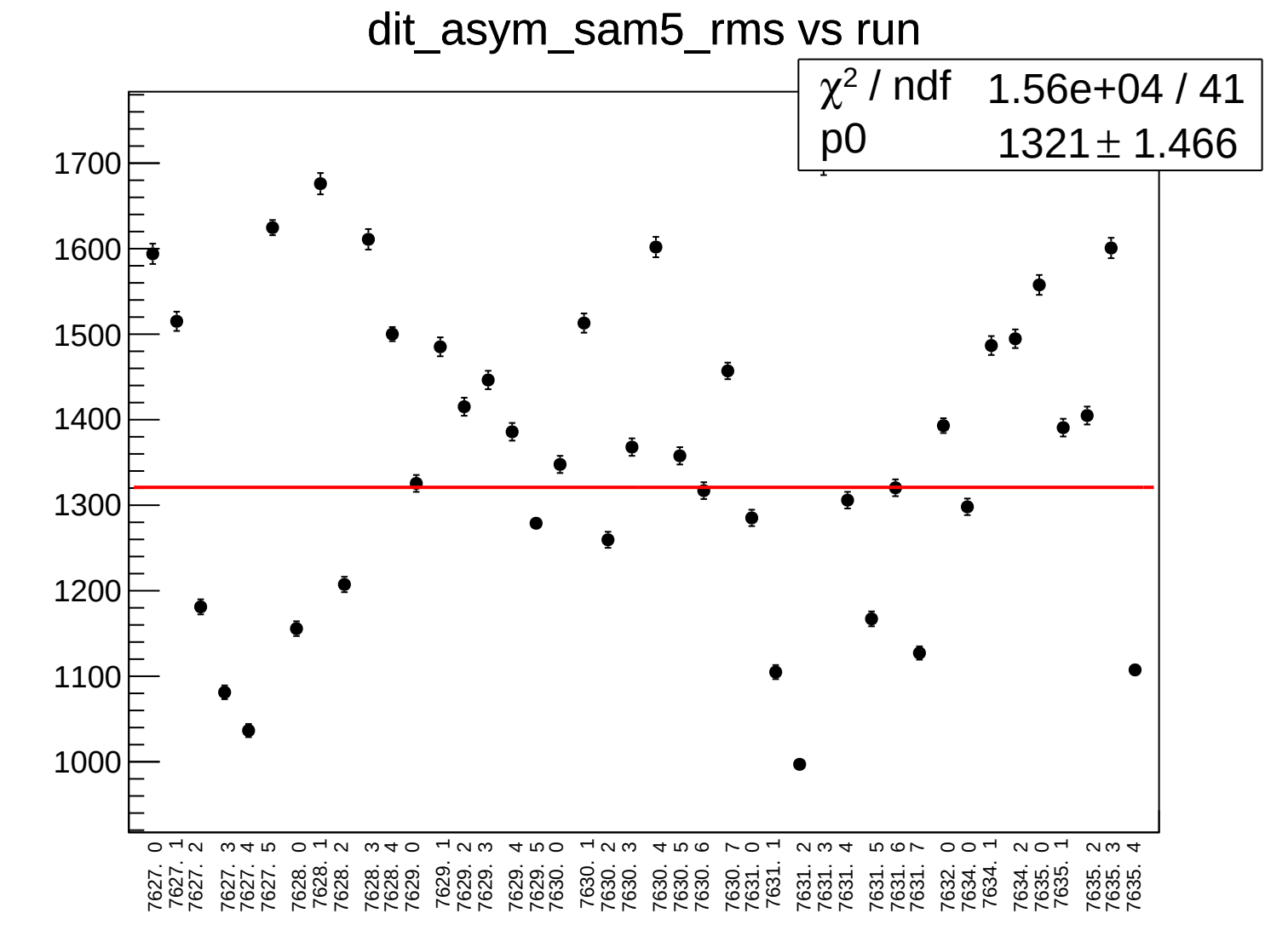

asym_sam5_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 45.38 / 41
p0 3.834e+04 ± 1.965e+04
600
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

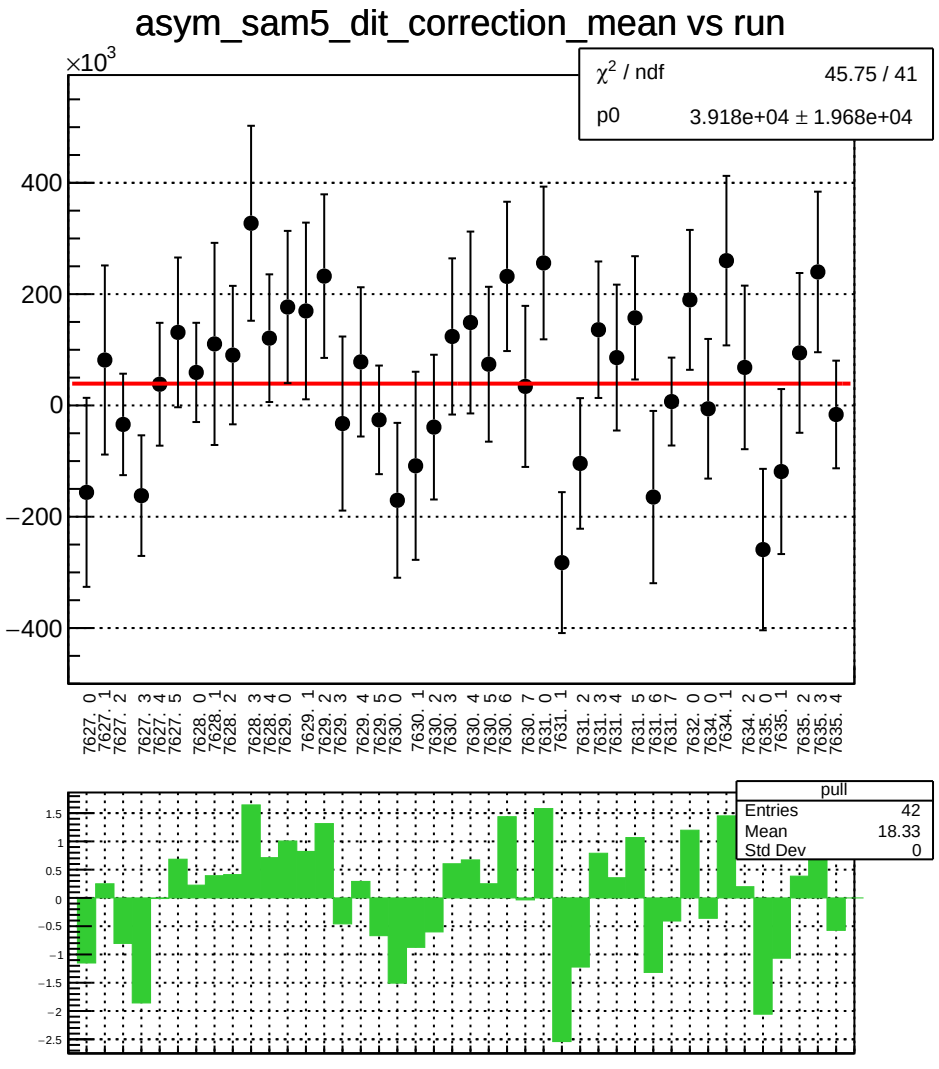

pull1D
Entries 42
Mean 0.03694
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

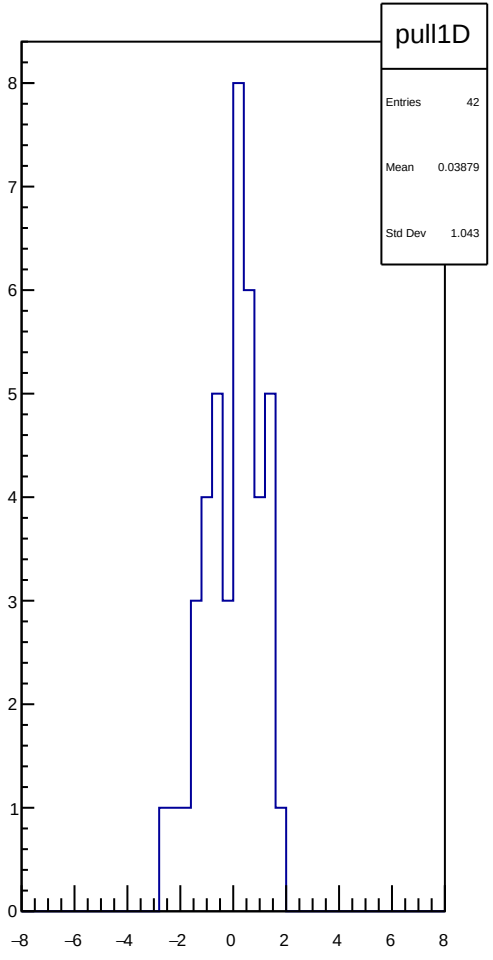

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 3.114e+04 / 41
p0 1.24e+04 ± 13.9
18000
16000
14000
12000
10000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

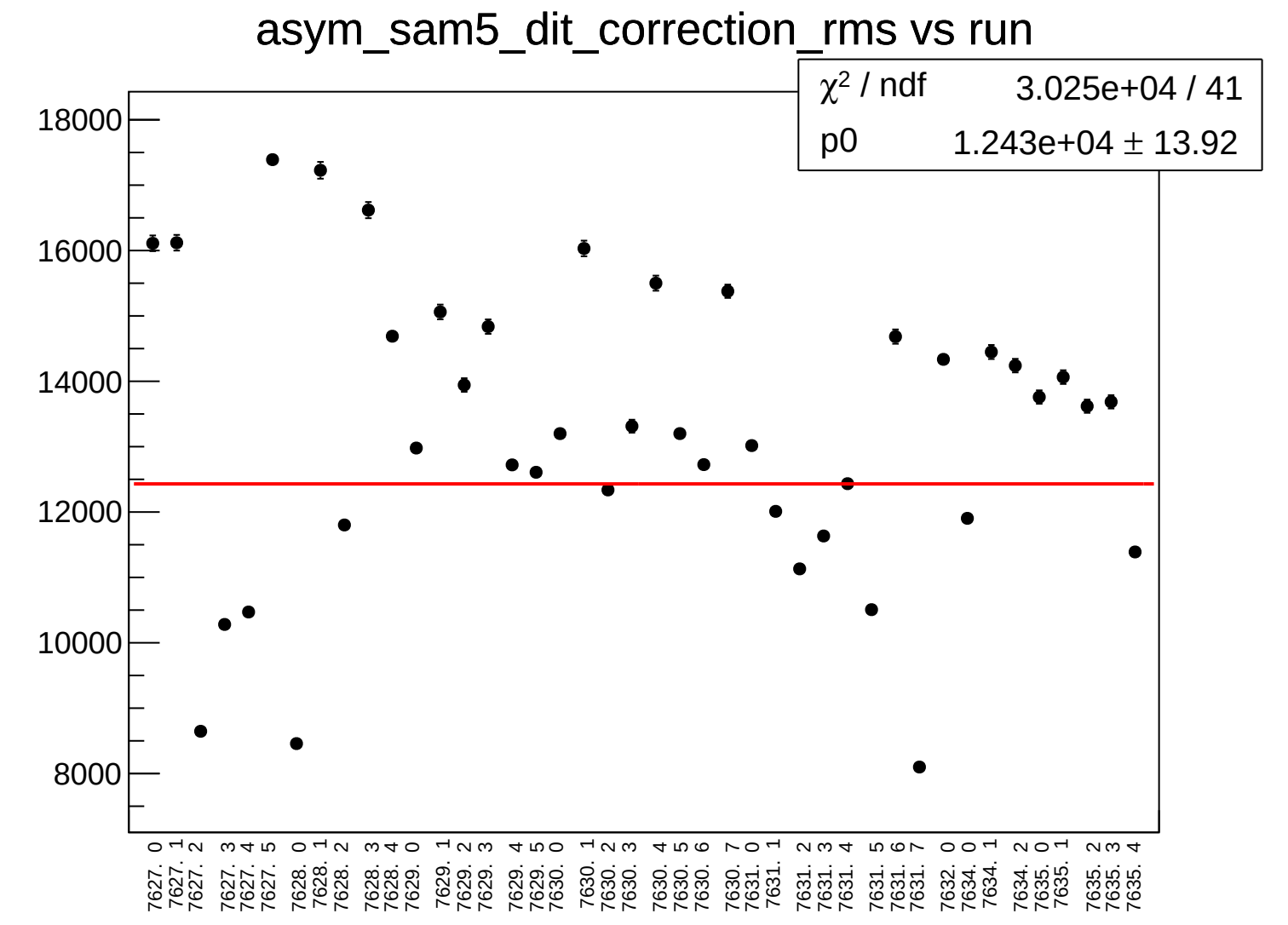

dit_asym_sam5_mean vs run
χ² / ndf 36.12 / 41
p0 81.14 ± 2073
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −48.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

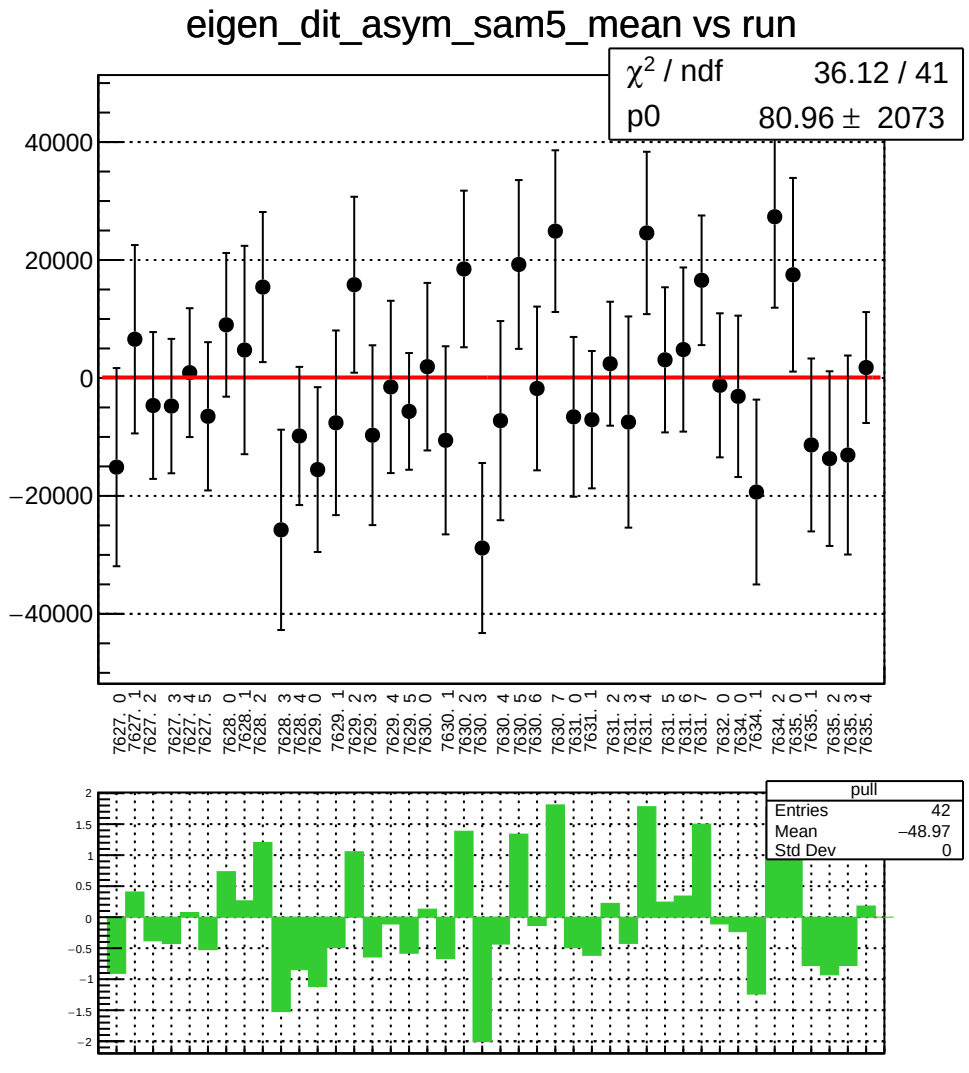

pull1D
Entries 42
Mean −0.02121
Std Dev 0.9272
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

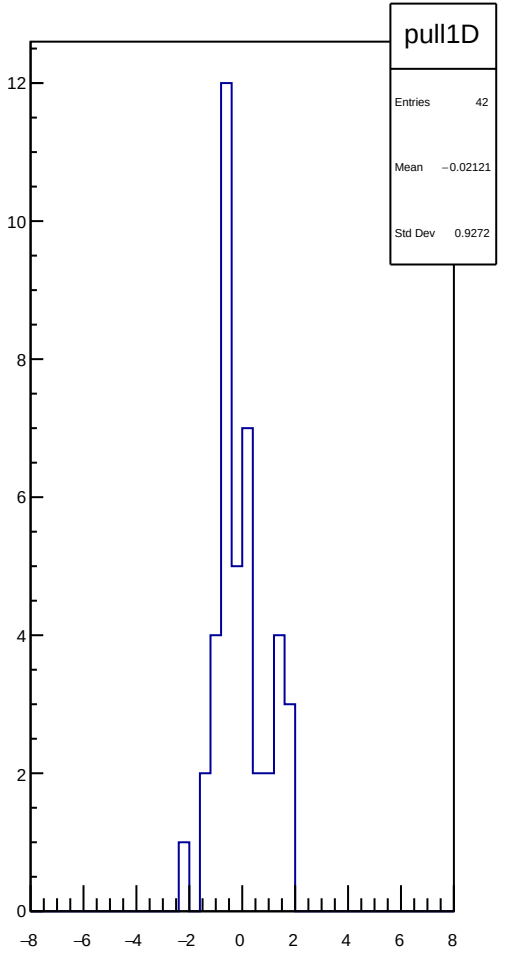

dit_asym_sam5_rms vs run
χ² / ndf 1.56e+04 / 41
p0 1321 ± 1.466
1700
1600
1500
1400
1300
1200
1100
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

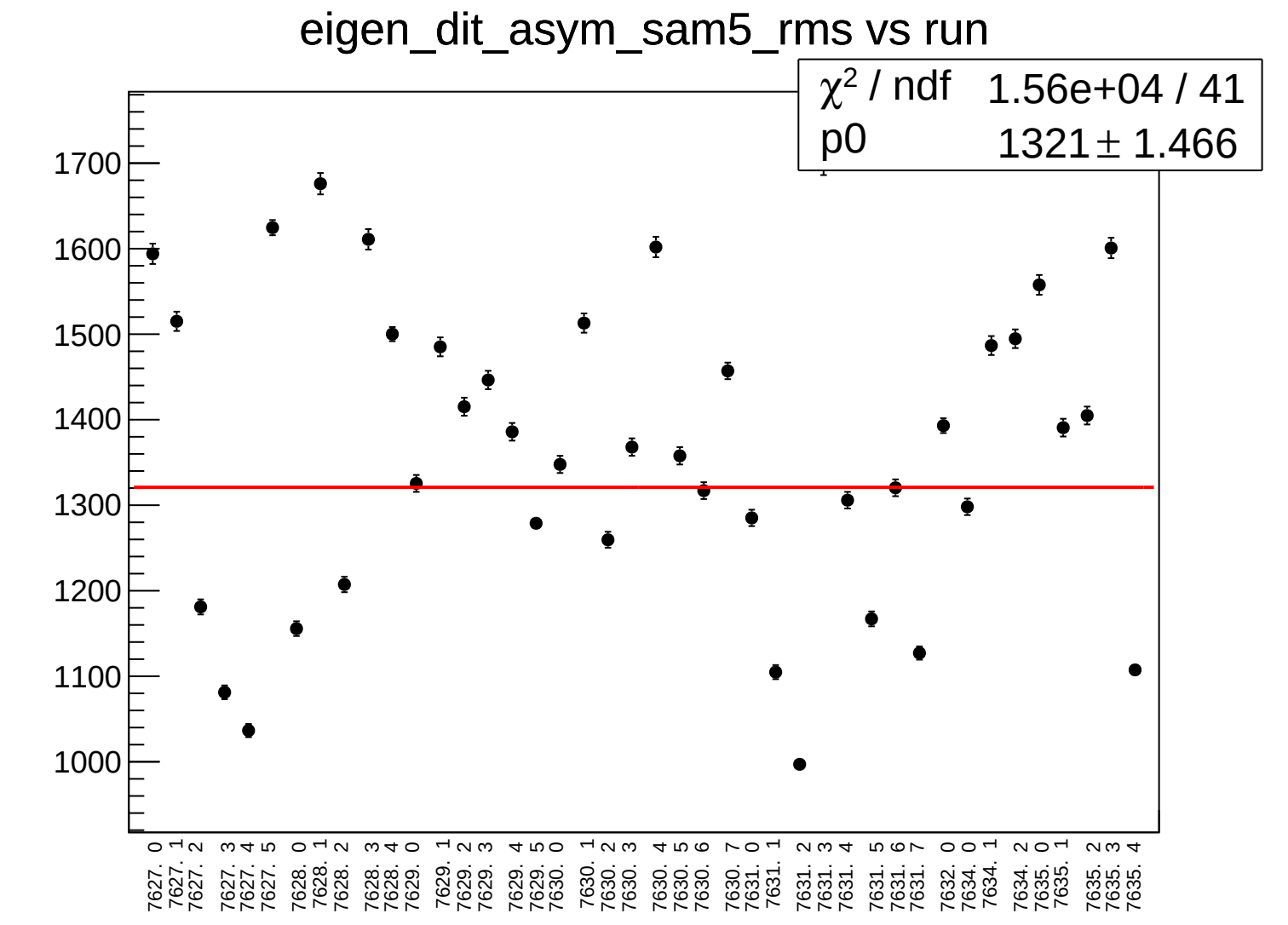

asym_sam5_dit_correction_mean vs run
×10^3
χ² / ndf 45.75 / 41
p0 3.918e+04 ± 1.968e+04
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

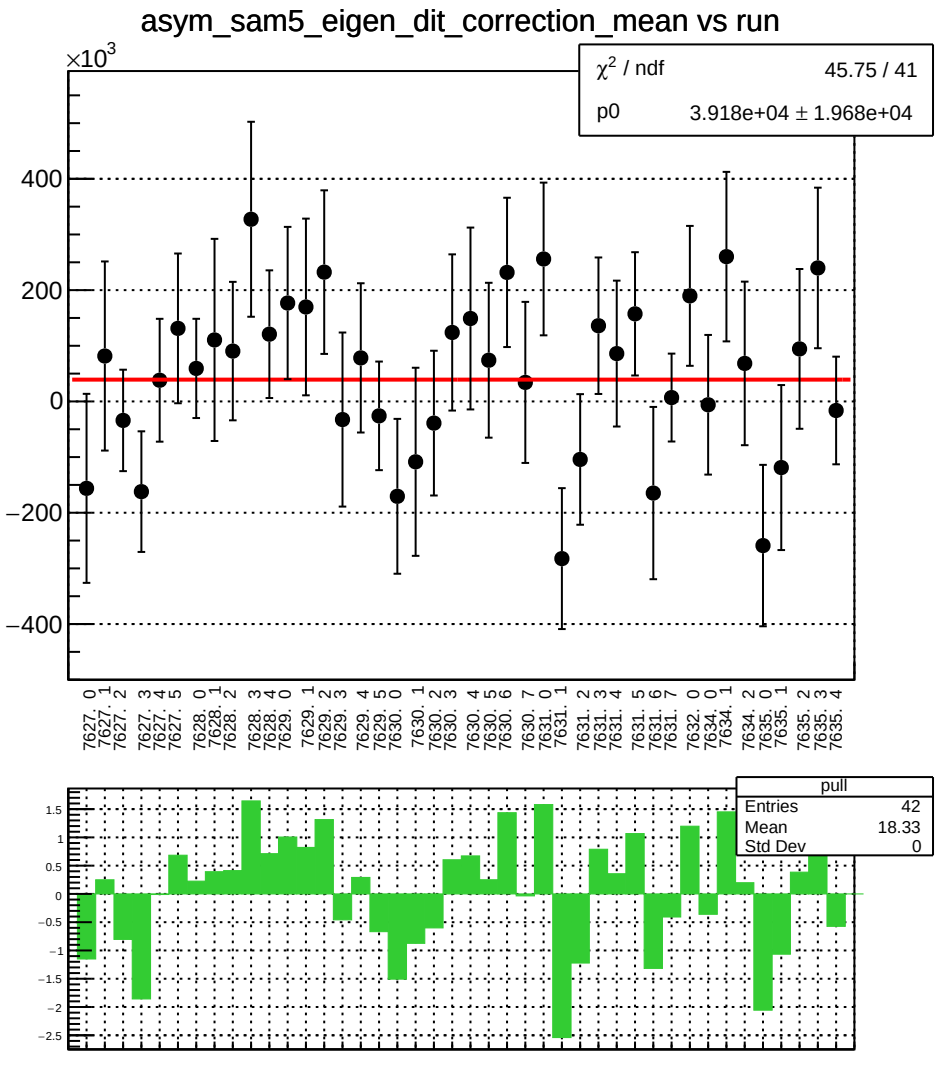

pull1D
Entries 42
Mean 0.03879
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

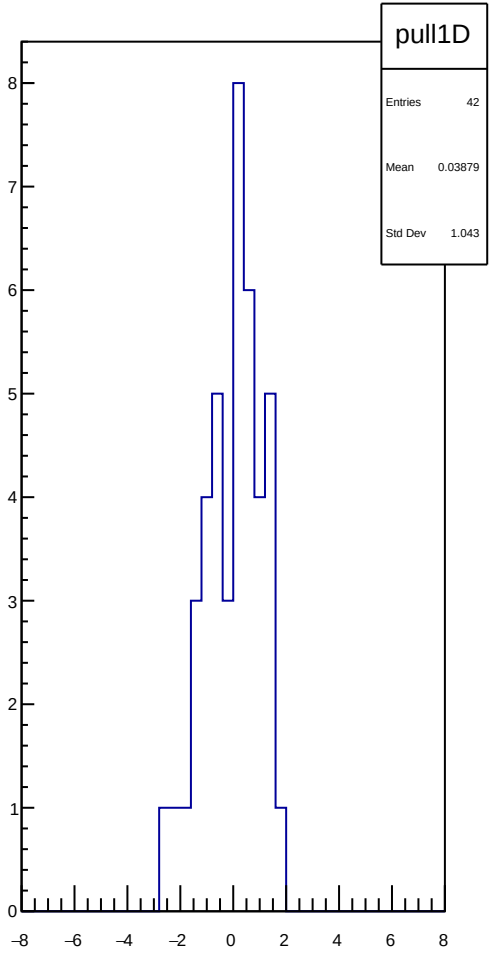

asym_sam5_dit_correction_rms vs run
χ² / ndf 3.025e+04 / 41
p0 1.243e+04 ± 13.92
18000
16000
14000
12000
10000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

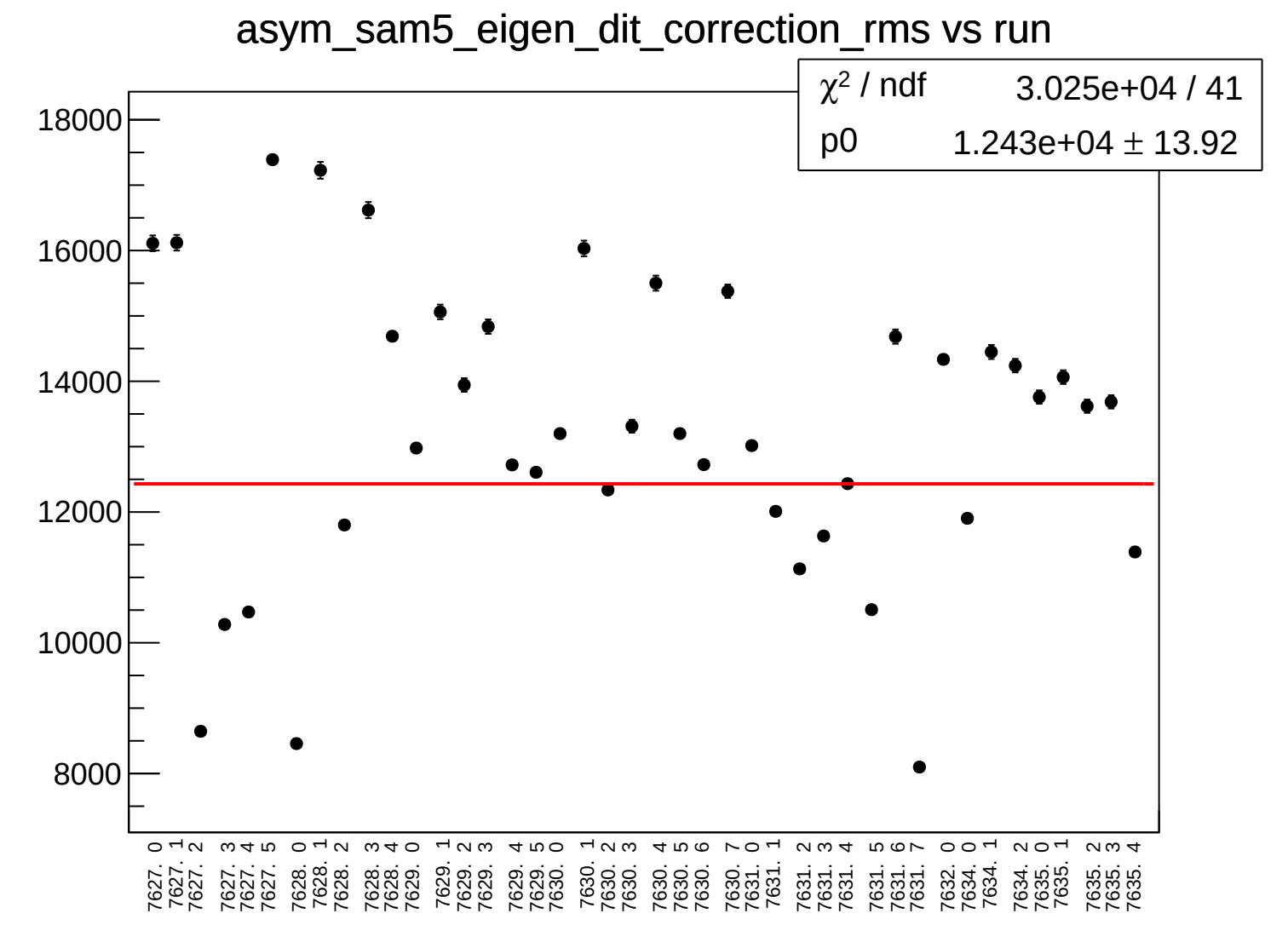

eigen_dit_asym_sam5_mean vs run
χ² / ndf 36.12 / 41
p0 80.96 ± 2073
40000
20000
0
−20000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −48.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

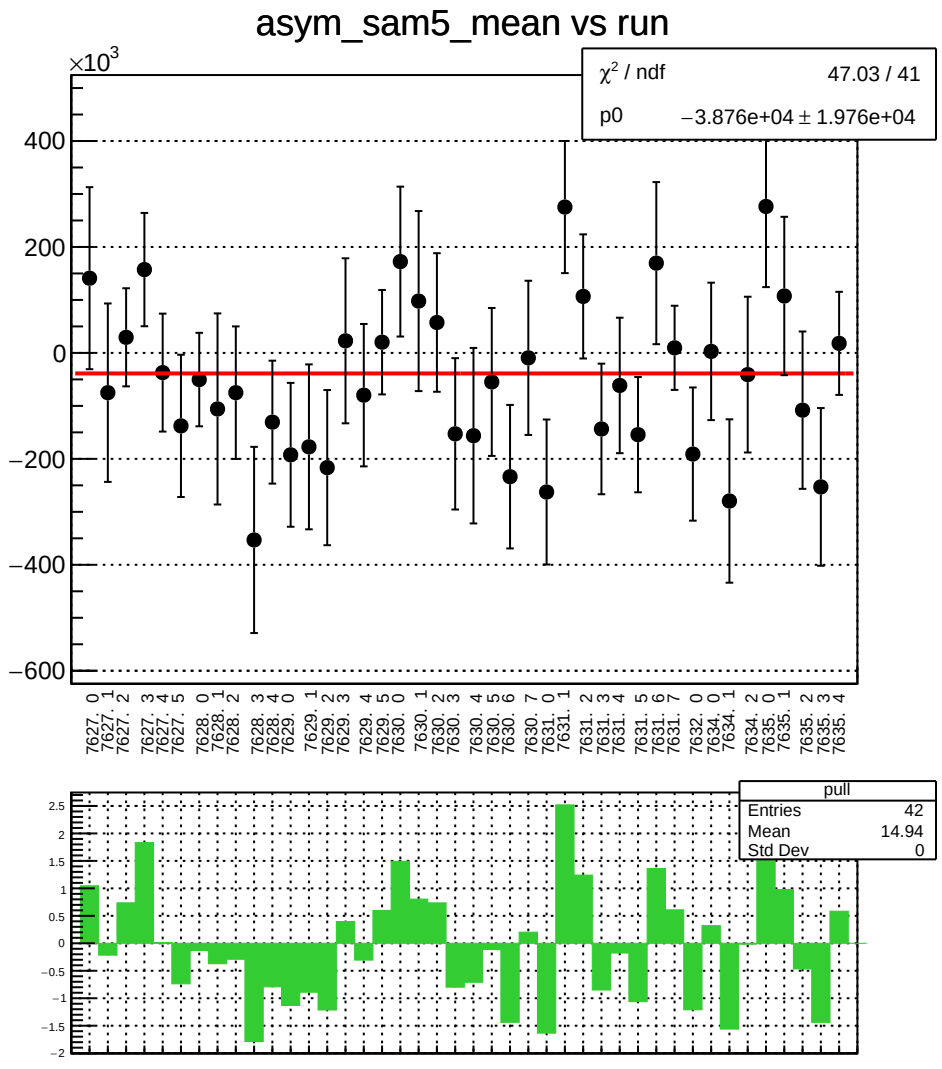

pull1D
Entries 42
Mean −0.02121
Std Dev 0.9272
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

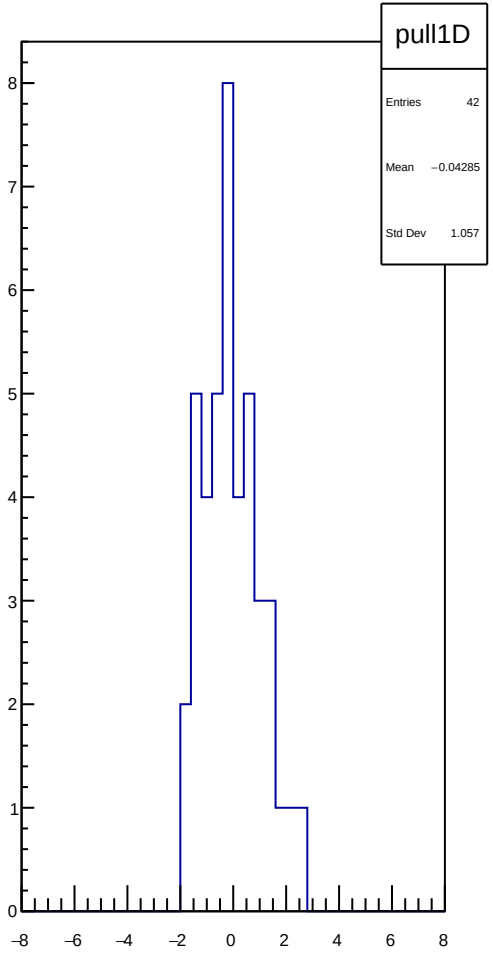

eigen_dit_asym_sam5_rms vs run
χ² / ndf 1.56e+04 / 41
p0 1321 ± 1.466
1700
1600
1500
1400
1300
1200
1100
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

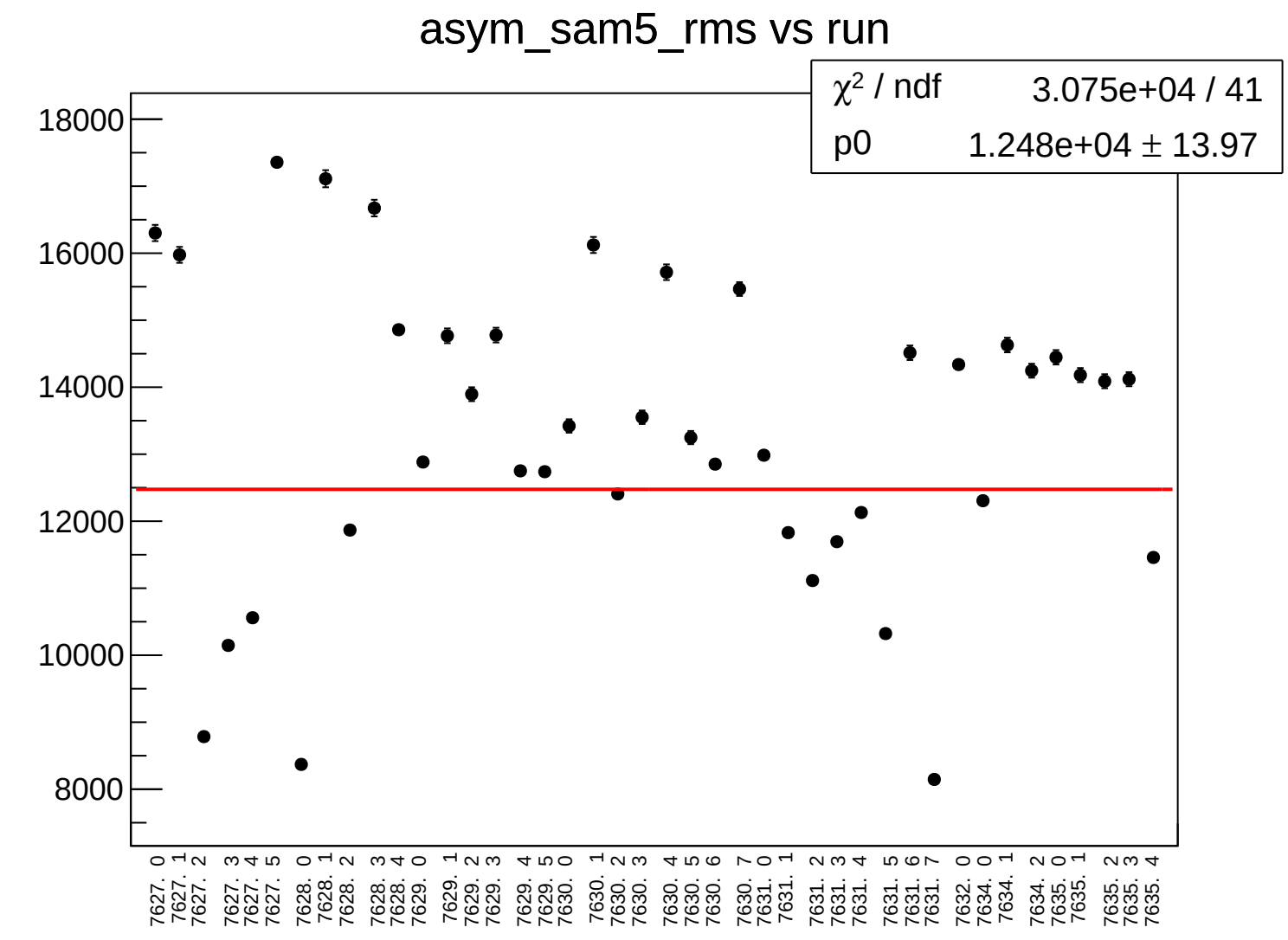

asym_sam5_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.75 / 41
p0 3.918e+04 ± 1.968e+04
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

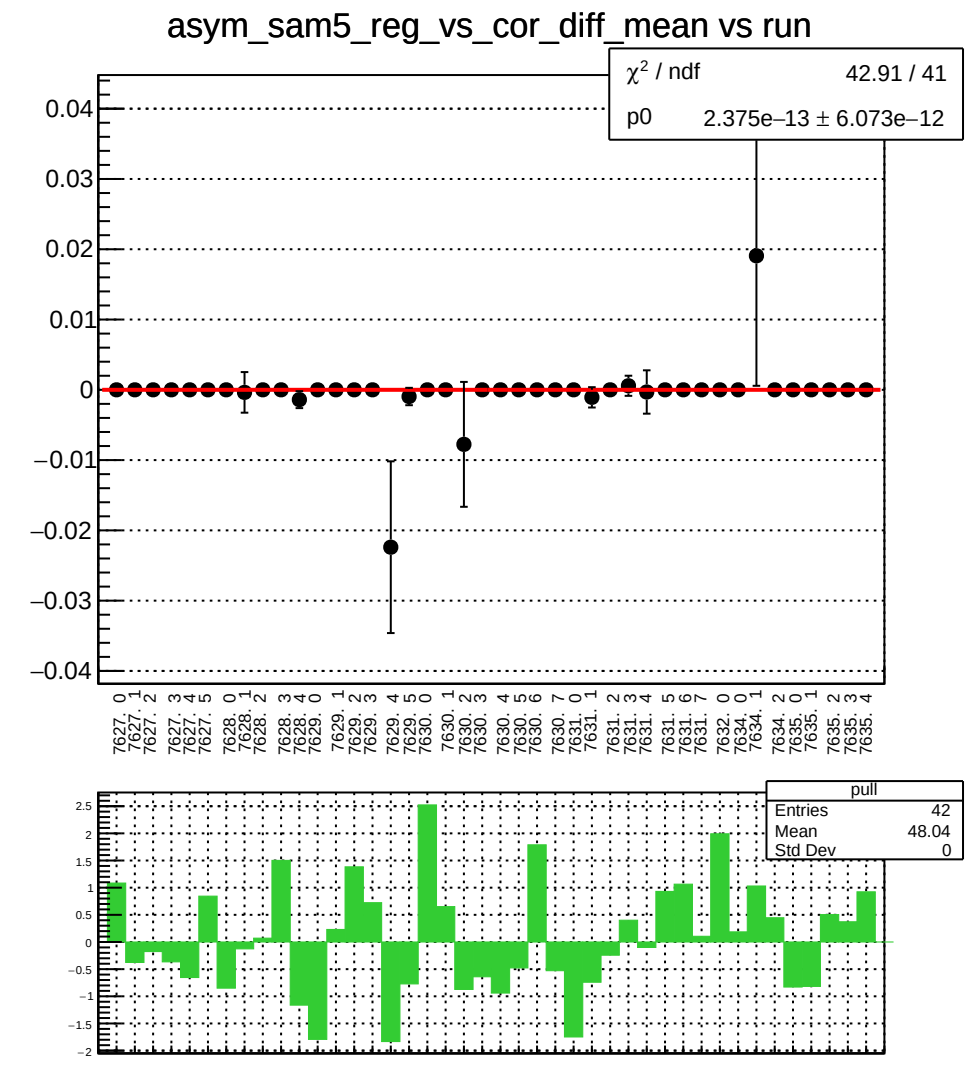

pull1D
Entries 42
Mean 0.03879
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

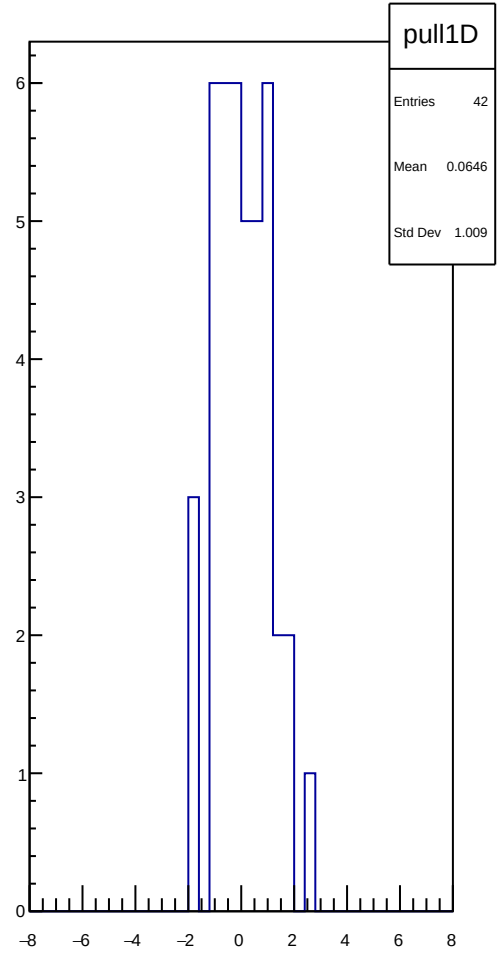

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 3.025e+04 / 41
p0 1.243e+04 ± 13.92
18000
16000
14000
12000
10000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

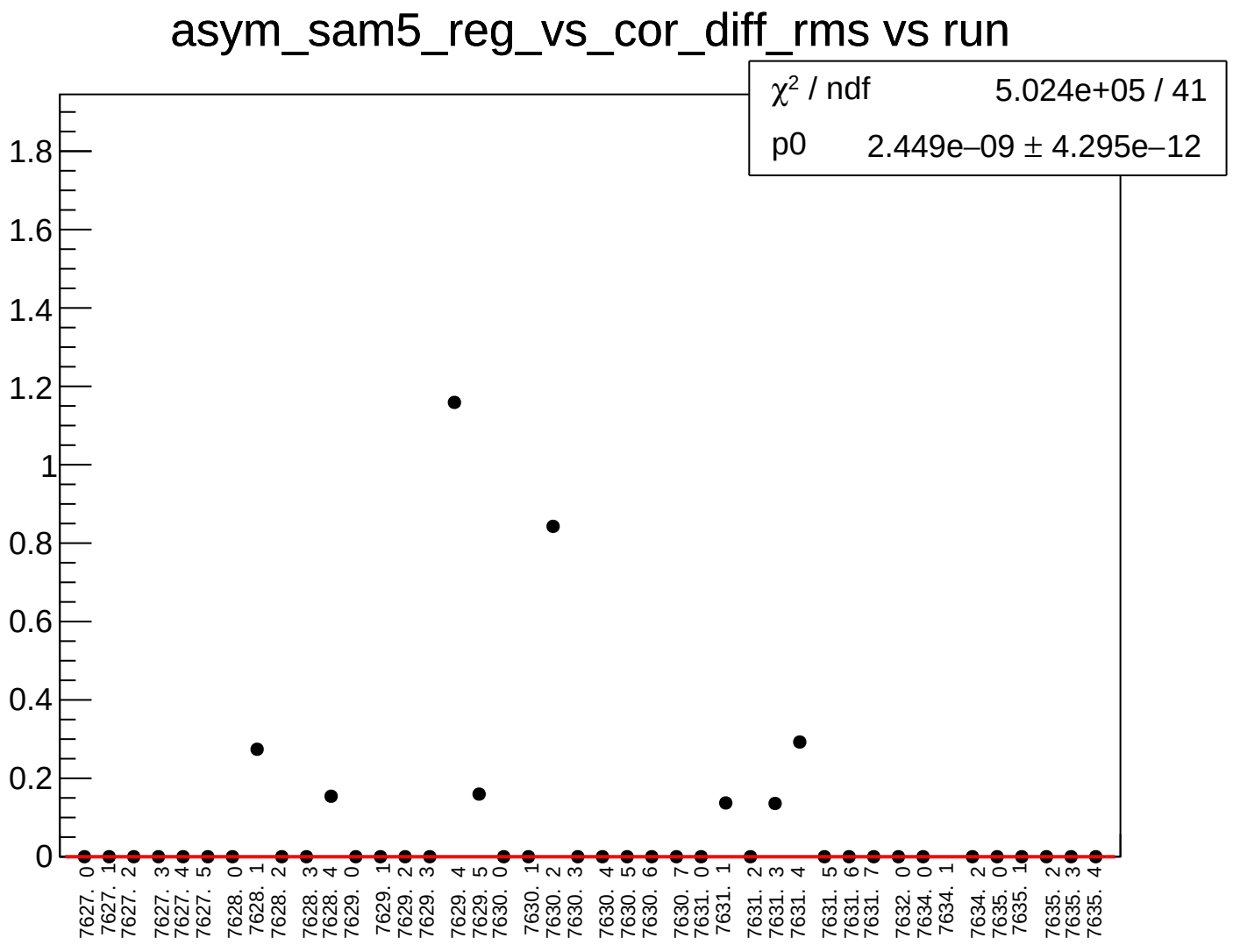

asym_sam5_mean vs run
×10^3
χ² / ndf 47.03 / 41
p0 −3.876e+04 ± 1.976e+04
400
200
0
−200
−400
−600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 14.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

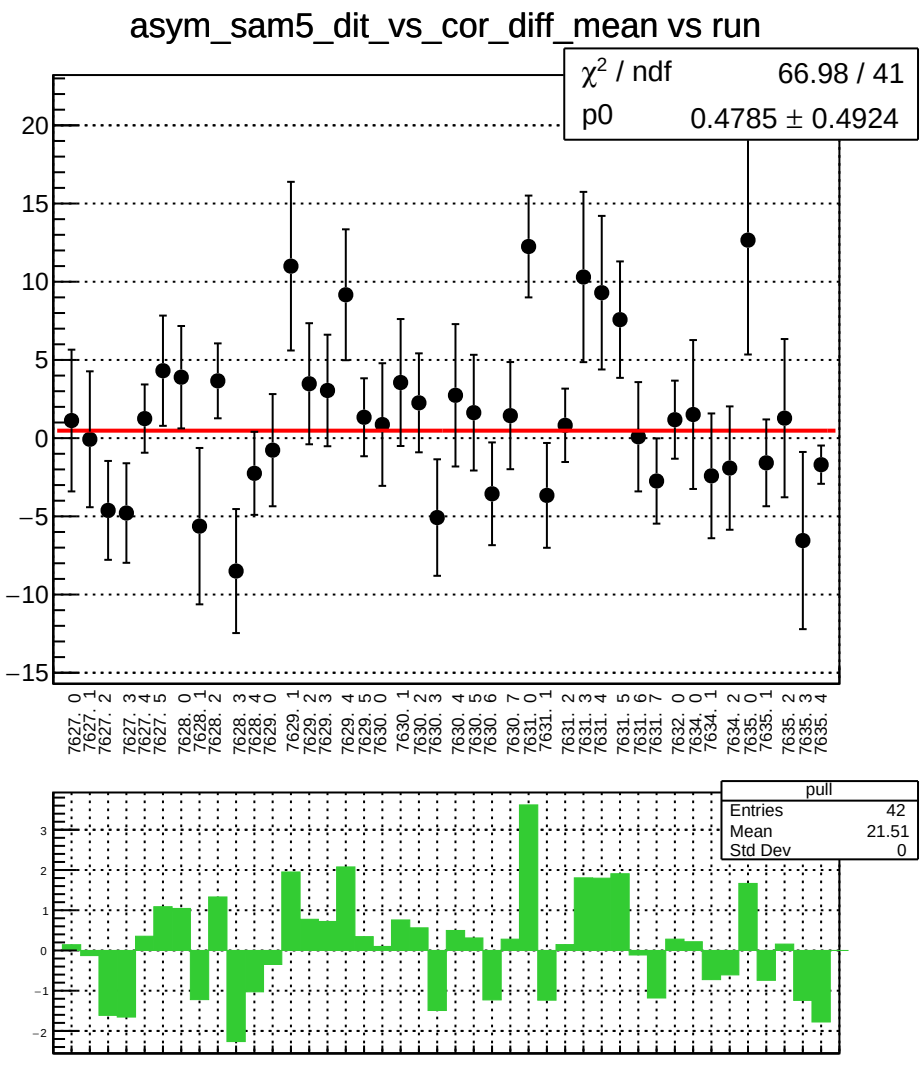

pull1D
Entries 42
Mean −0.04285
Std Dev 1.057
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

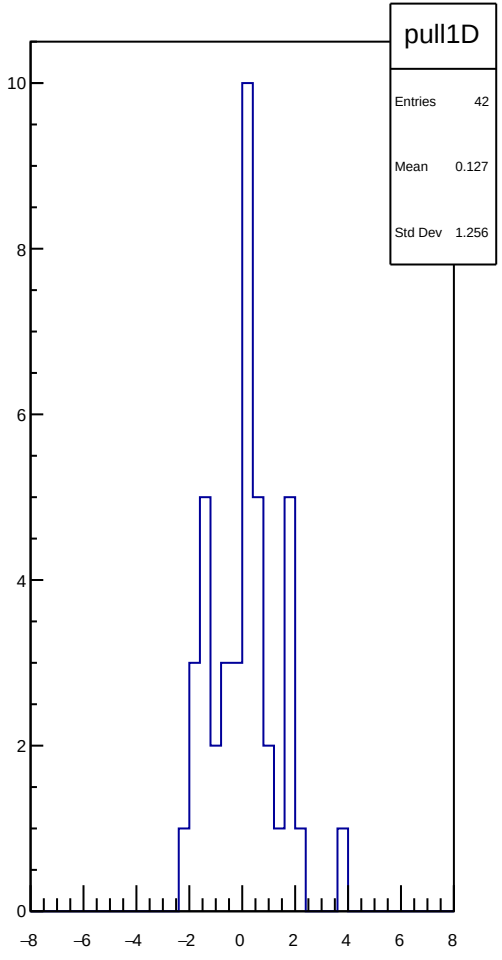

asym_sam5_rms vs run
χ² / ndf 3.075e+04 / 41
p0 1.248e+04 ± 13.97
18000
16000
14000
12000
10000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

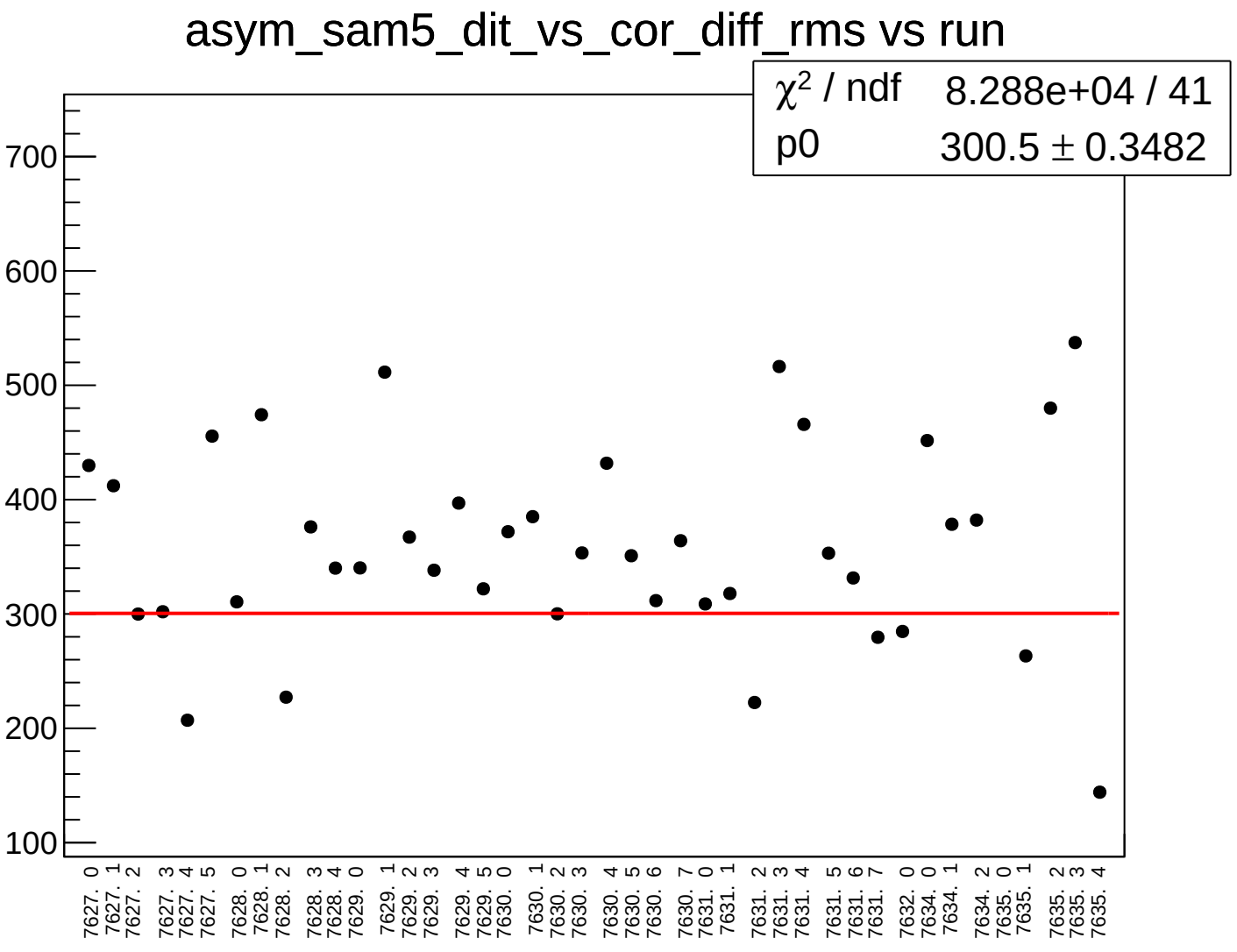

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 42.91 / 41
p0 2.375e−13 ± 6.073e−12
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 48.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

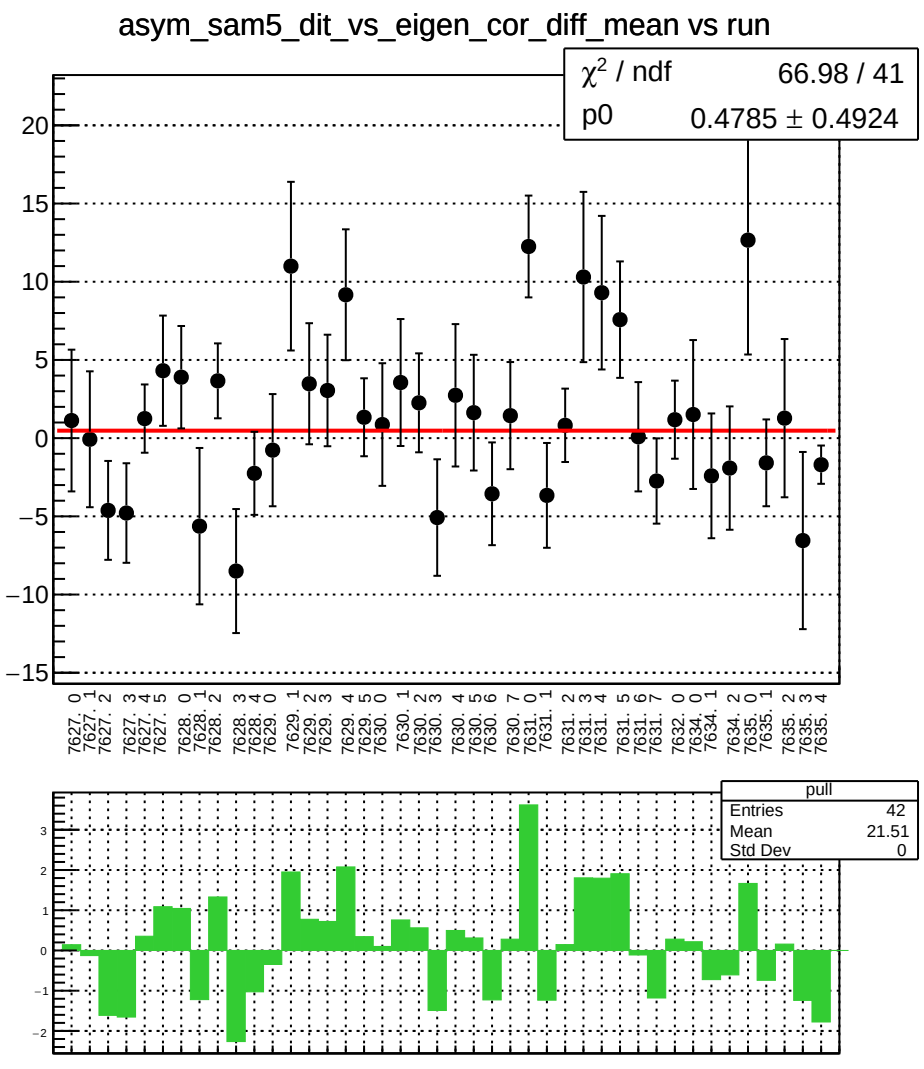

pull1D
Entries 42
Mean 0.0646
Std Dev 1.009
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

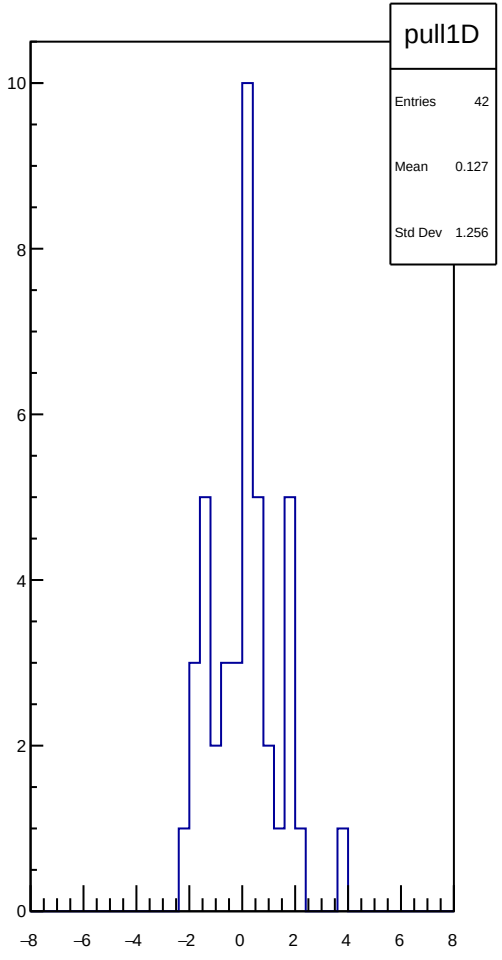

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 5.024e+05 / 41
p0 2.449e−09 ± 4.295e−12
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

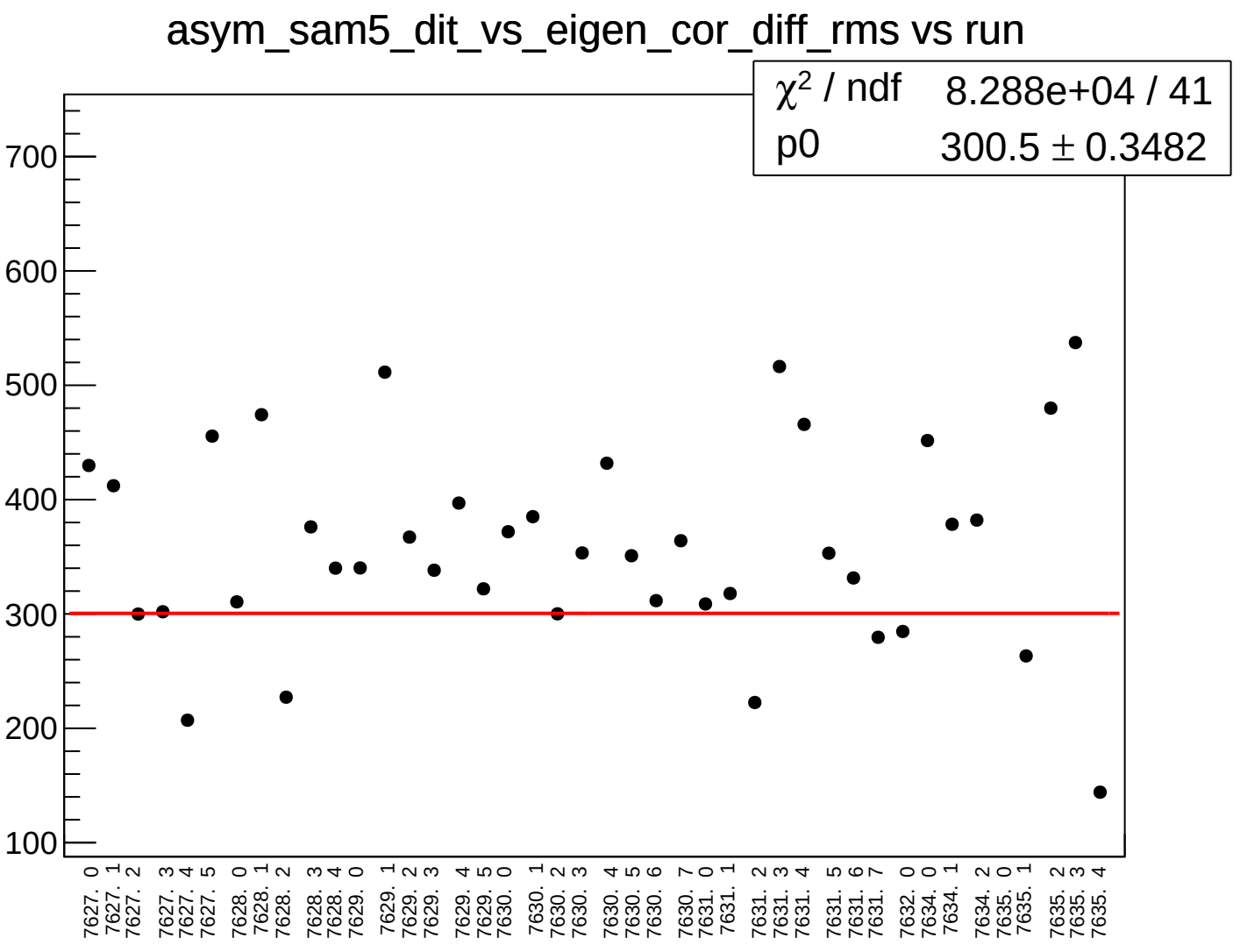

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 66.98 / 41
p0 0.4785 ± 0.4924
pull
Entries 42
Mean 21.51
Std Dev 0

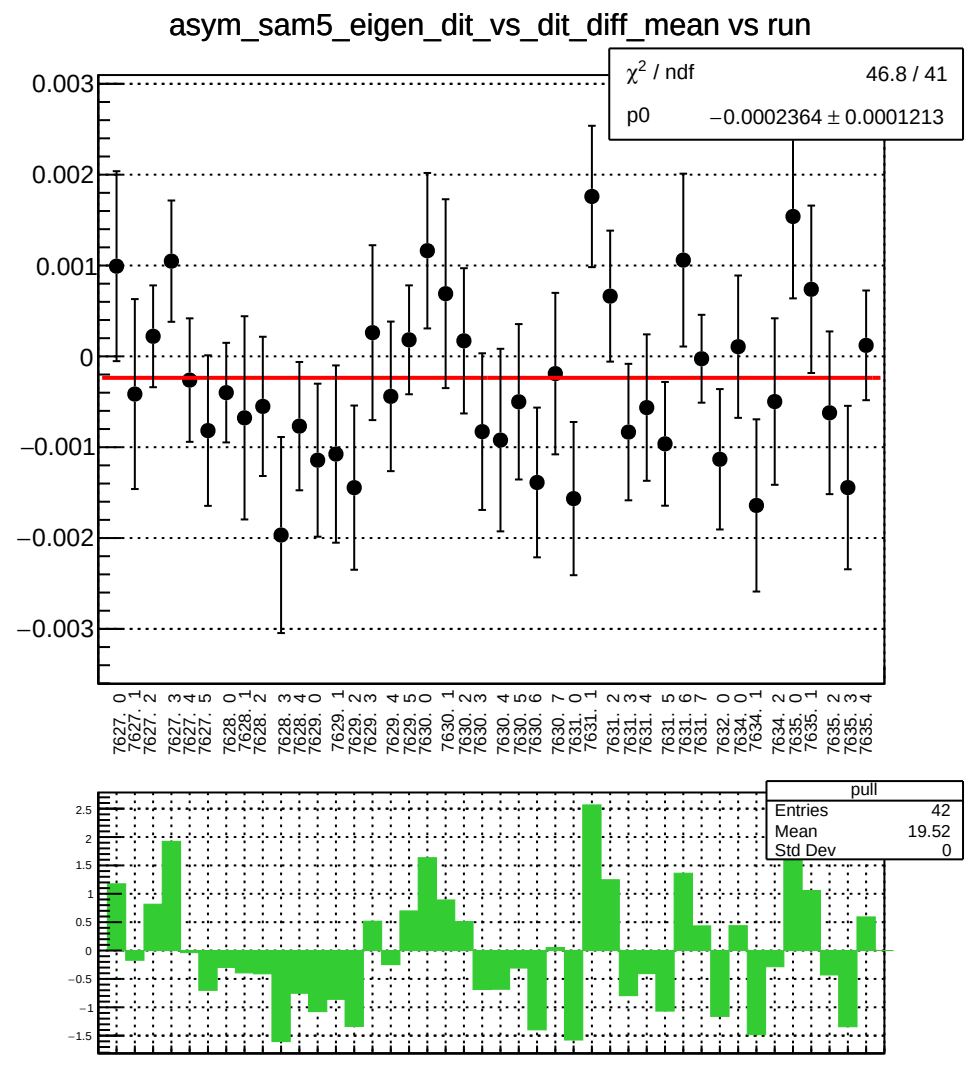

pull1D
Entries 42
Mean 0.127
Std Dev 1.256

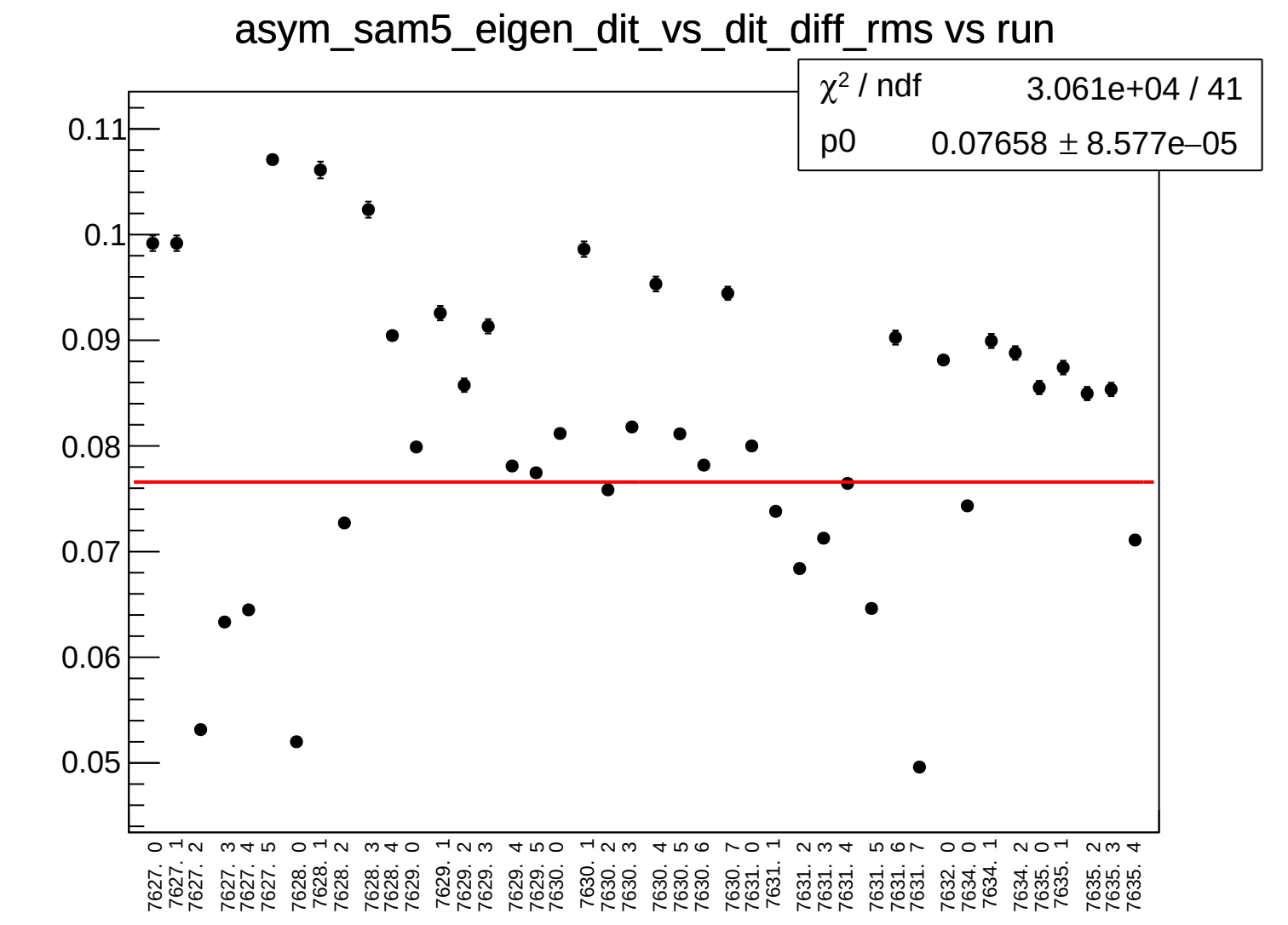

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 8.288e+04 / 41
p0 300.5 ± 0.3482
700
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

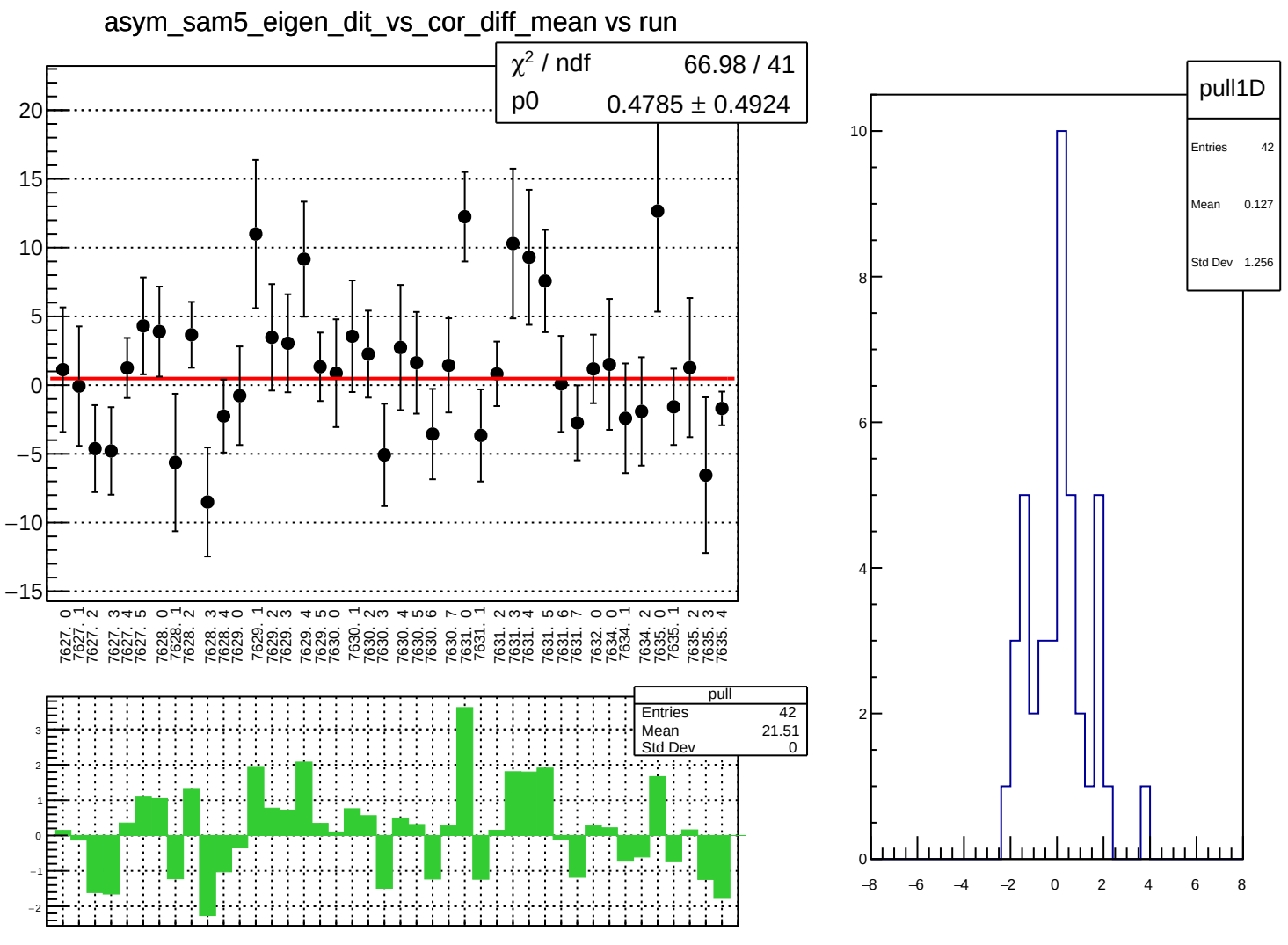

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.98 / 41
p0 0.4785 ± 0.4924
pull
Entries 42
Mean 21.51
Std Dev 0

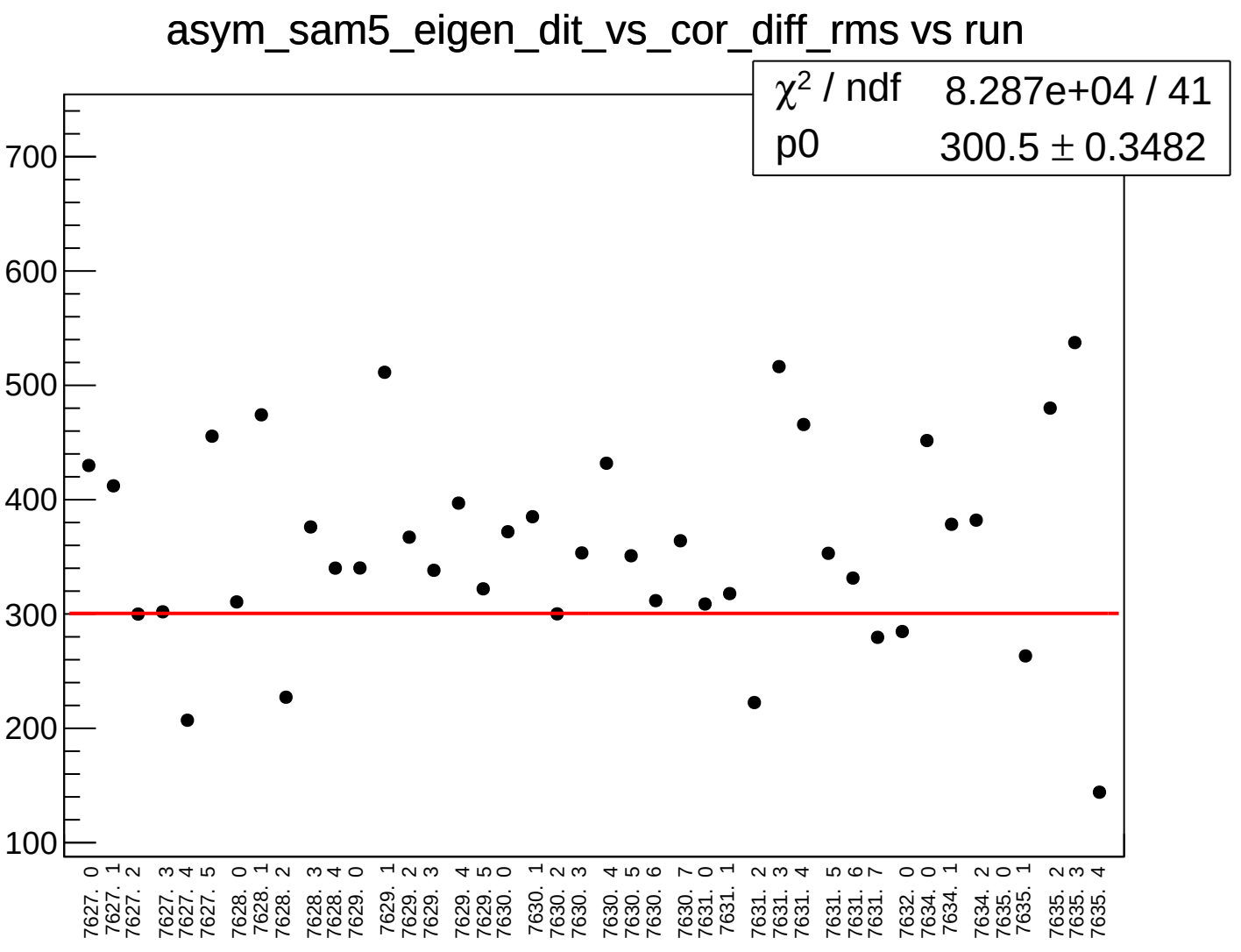

pull1D
Entries 42
Mean 0.127
Std Dev 1.256

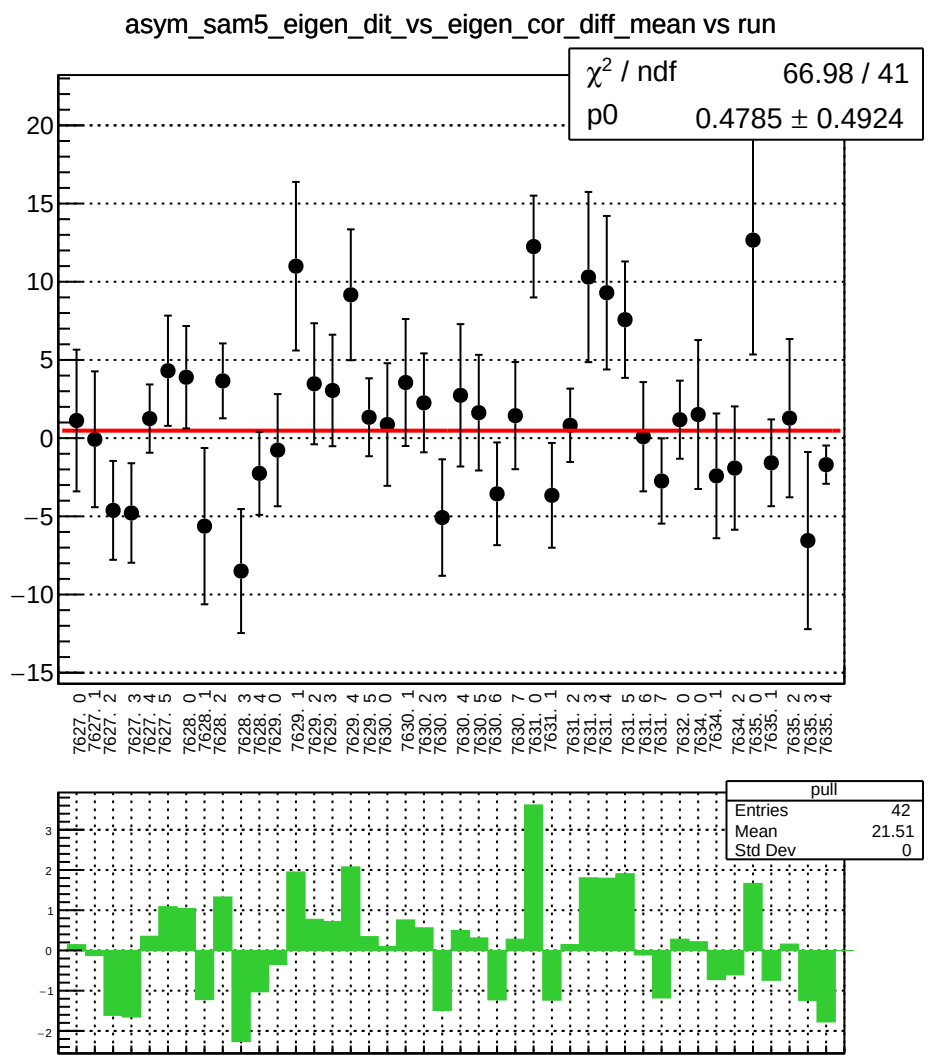

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.288e+04 / 41
p0 300.5 ± 0.3482
700
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

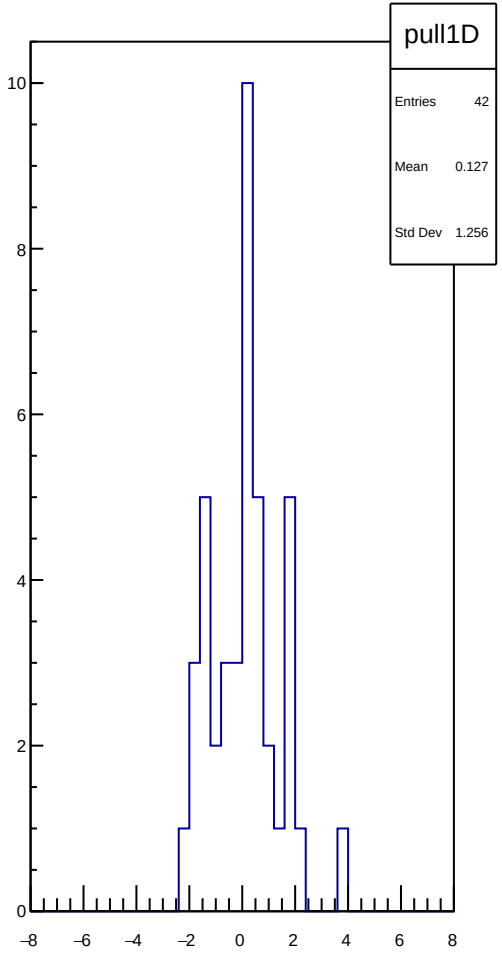

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 46.8 / 41
p0 −0.0002364 ± 0.0001213
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 19.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03851
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

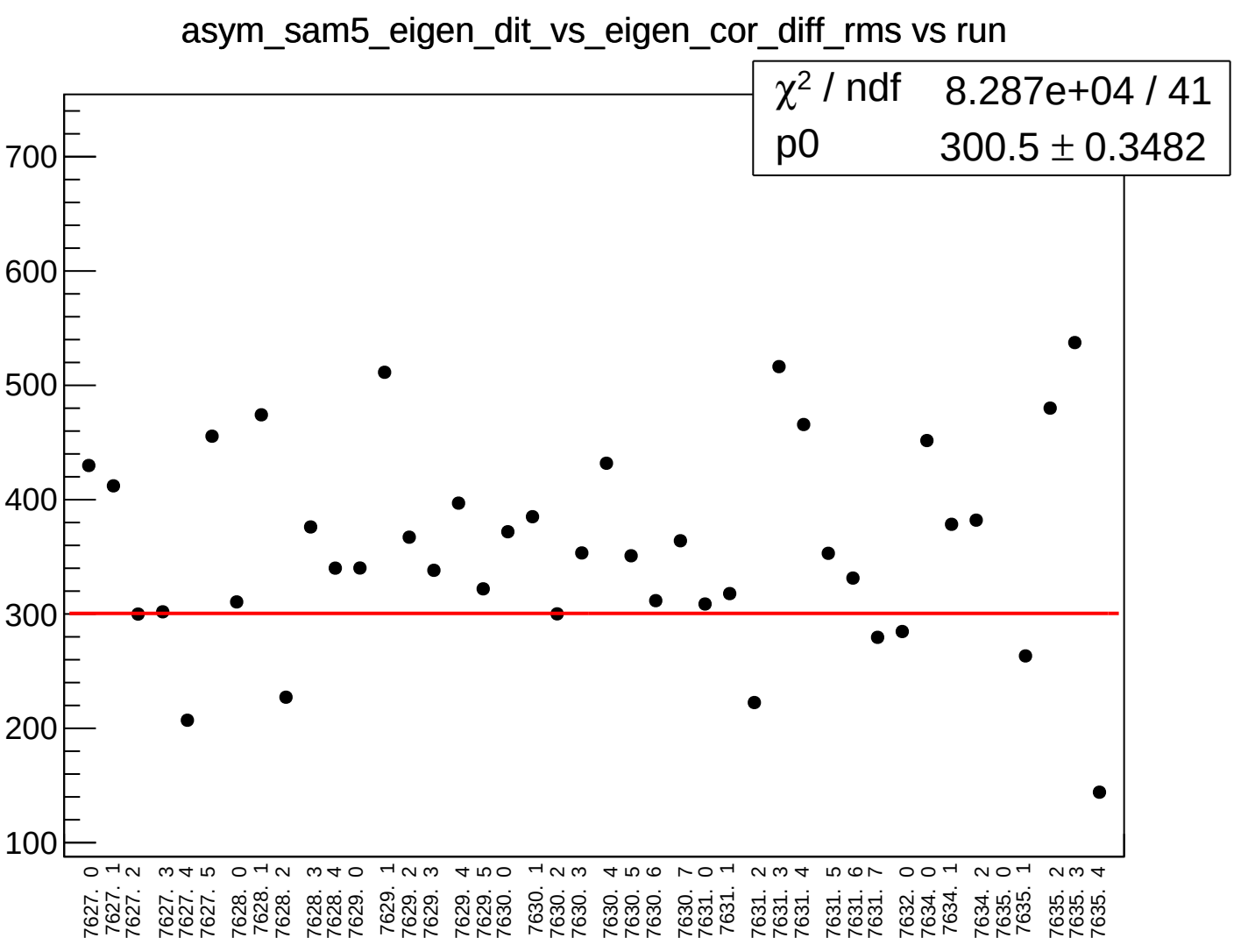

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.061e+04 / 41
p0 0.07658 ± 8.577e–05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

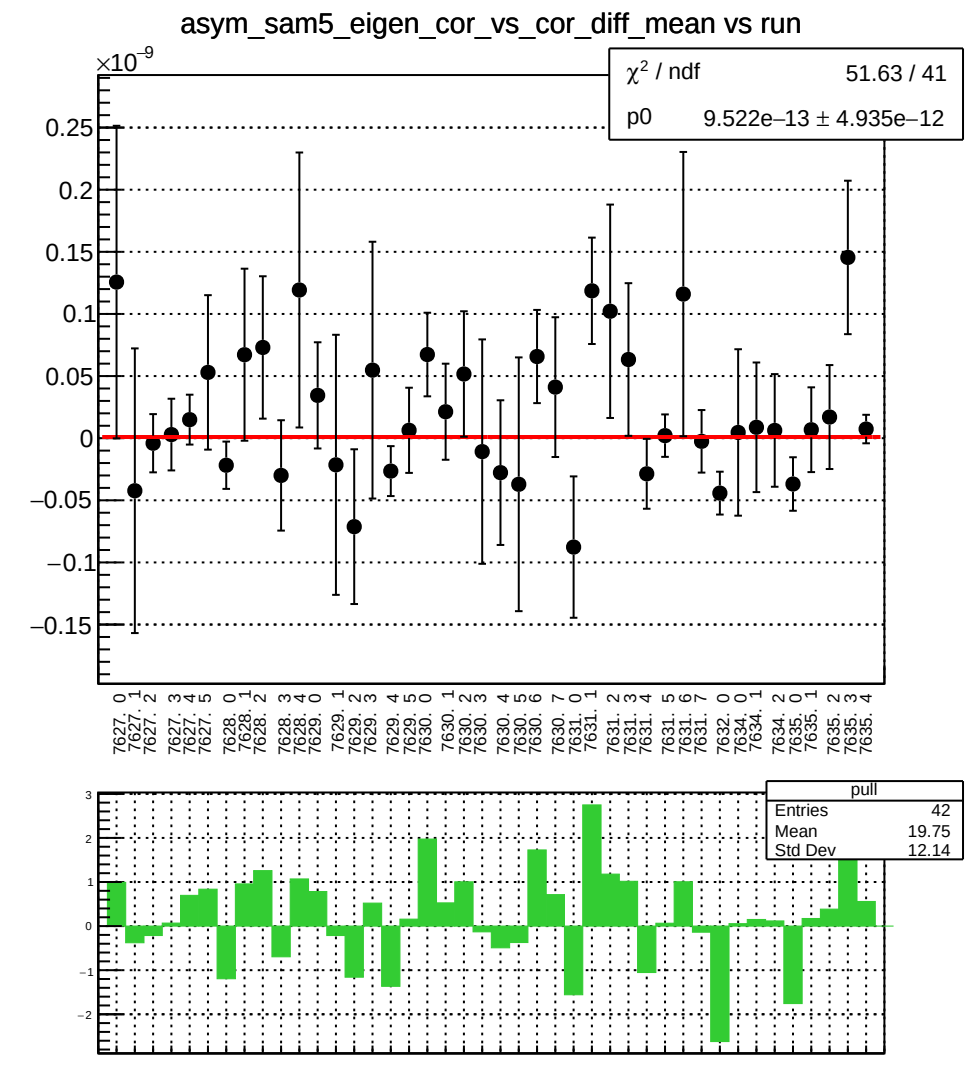

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.98 / 41
p0 0.4785 ± 0.4924
pull
Entries 42
Mean 21.51
Std Dev 0
pull1D
Entries 42
Mean 0.127
Std Dev 1.256

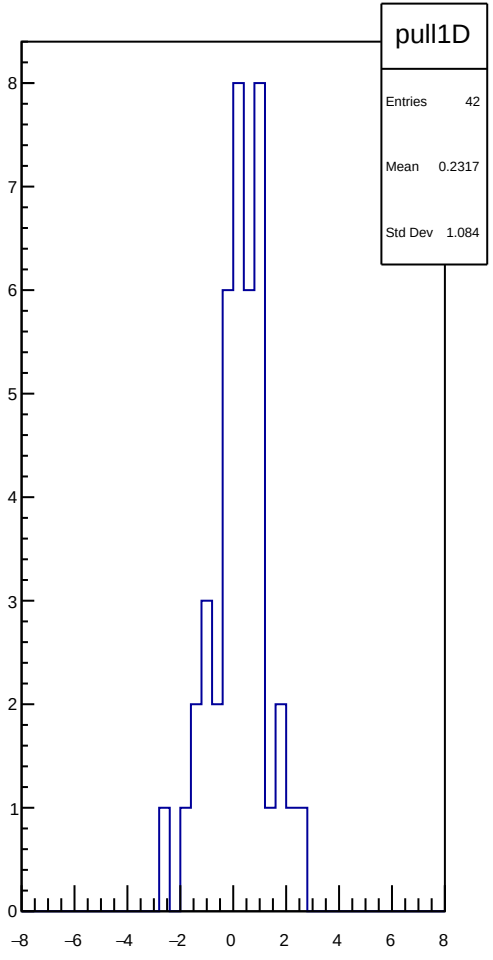

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.287e+04 / 41
p0 300.5 ± 0.3482
700
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

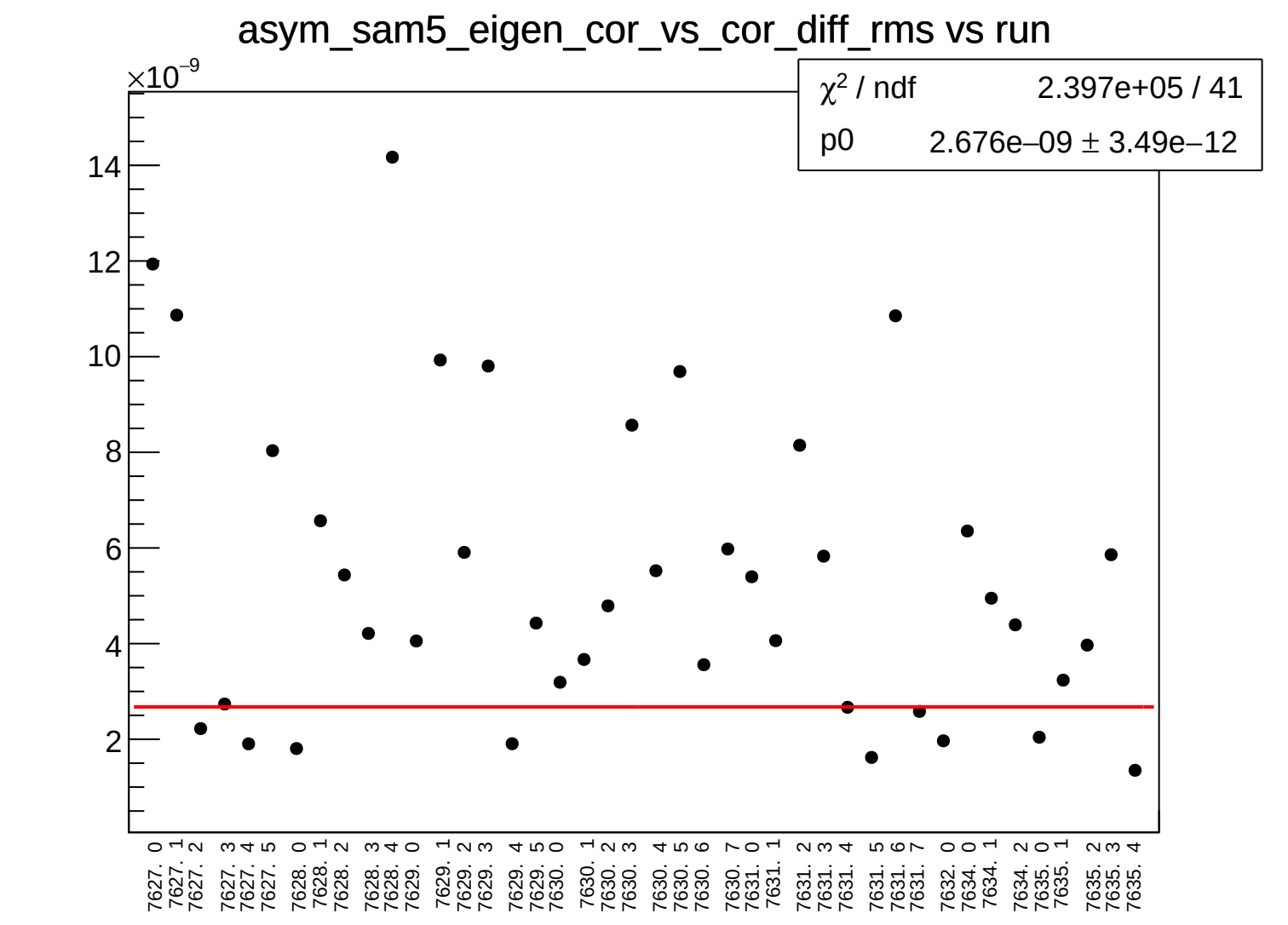

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.98 / 41
p0 0.4785 ± 0.4924
pull
Entries 42
Mean 21.51
Std Dev 0

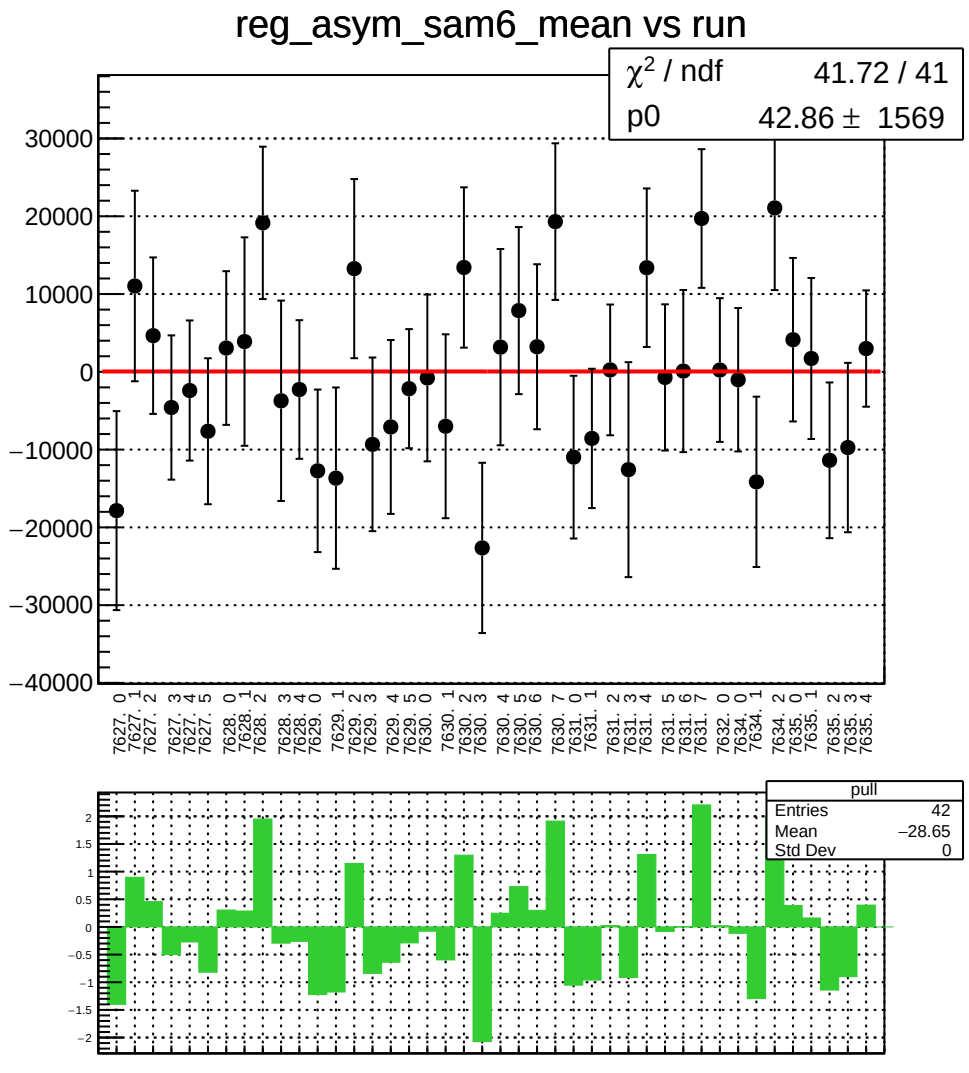

pull1D
Entries 42
Mean 0.127
Std Dev 1.256

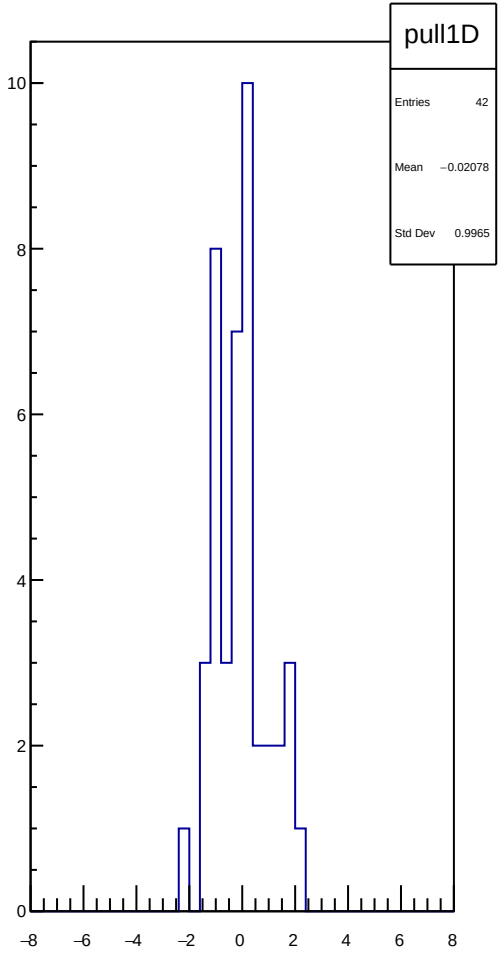

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.287e+04 / 41
p0 300.5 ± 0.3482
700
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

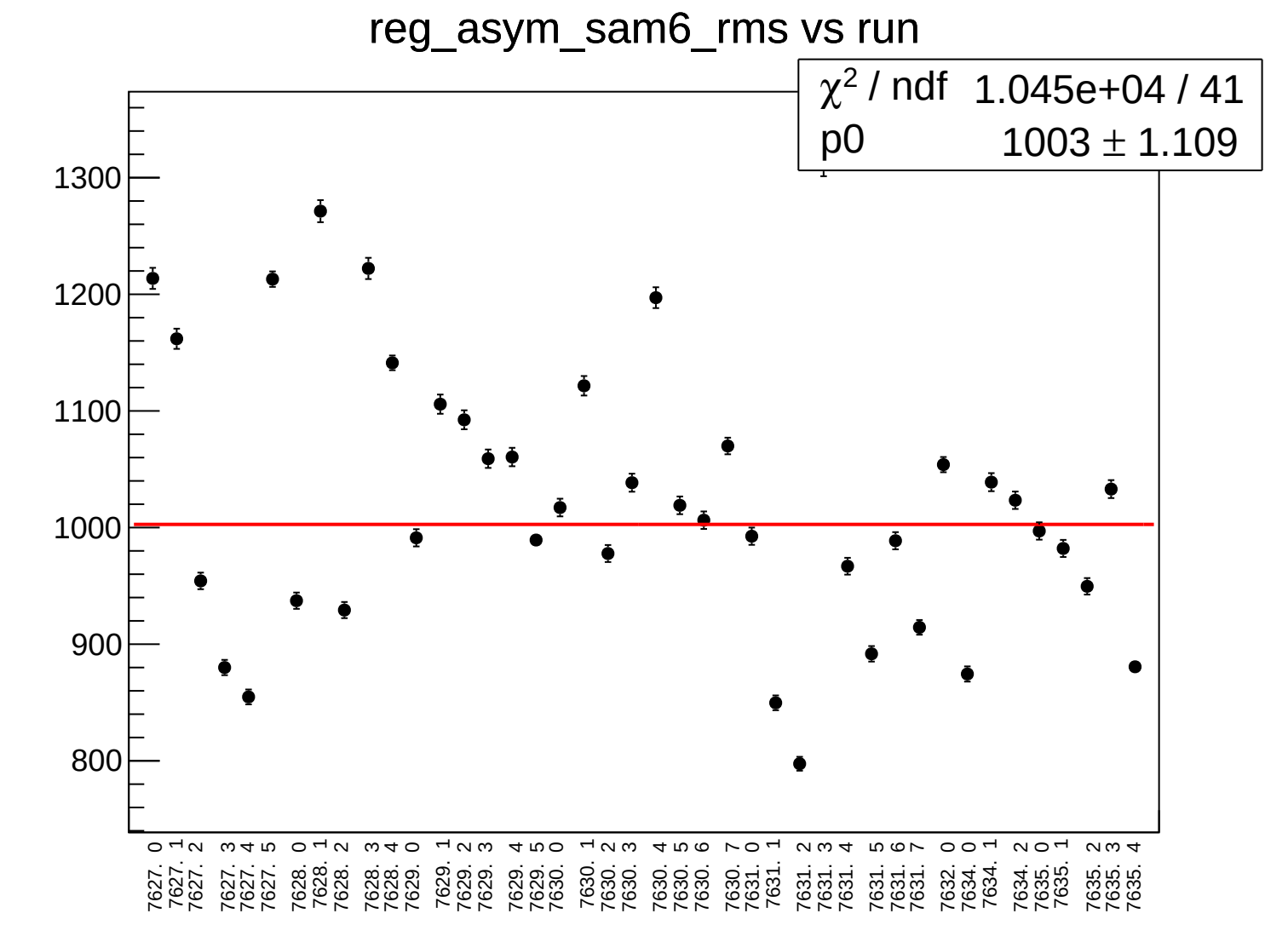

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 51.63 / 41
p0 9.522e−13 ± 4.935e−12
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 19.75
Std Dev 12.14
3
2
1
0
−1
−2

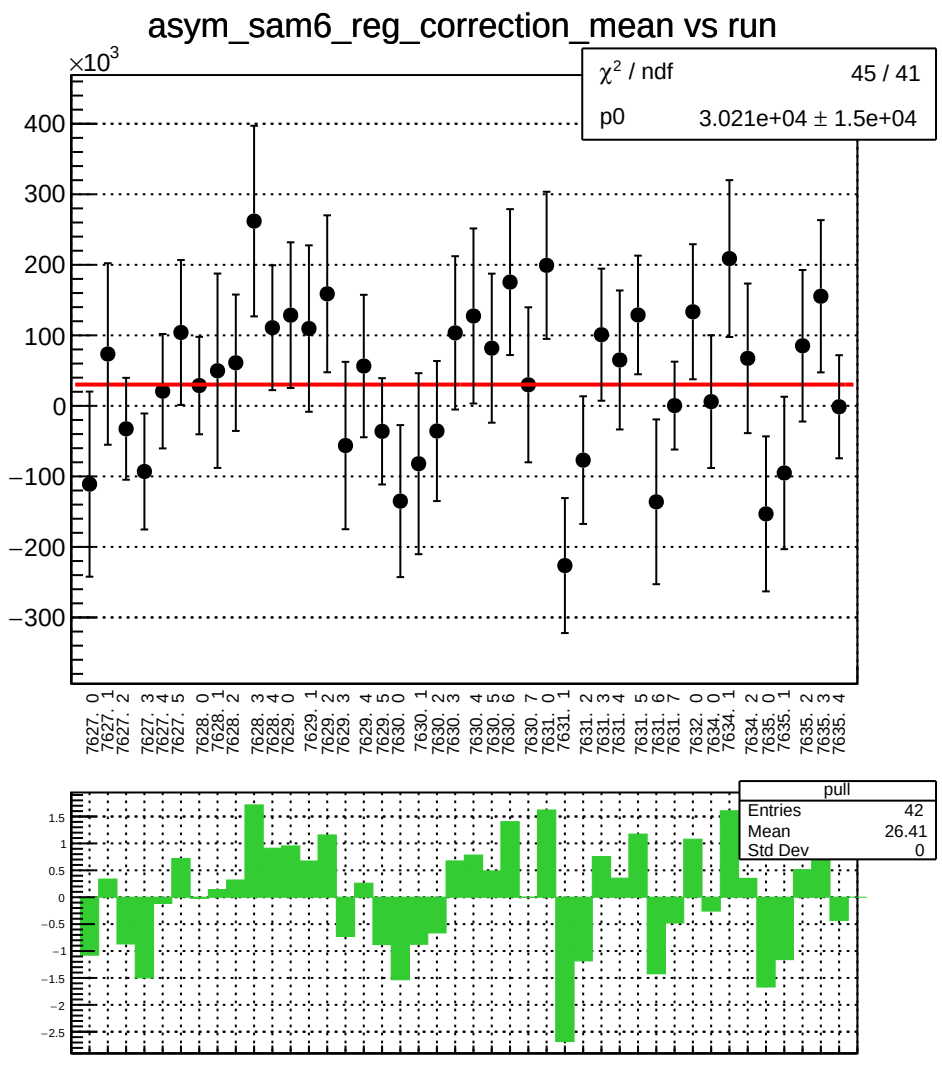

pull1D
Entries 42
Mean 0.2317
Std Dev 1.084
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

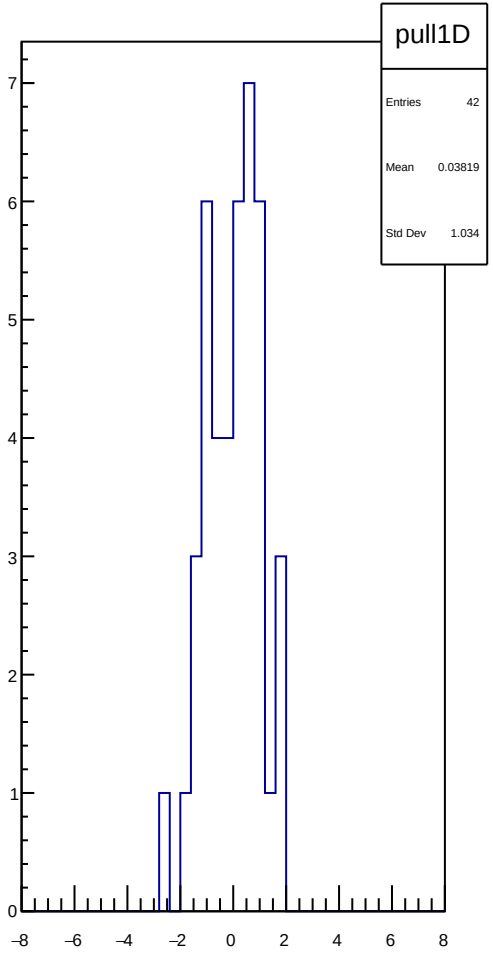

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.397e+05 / 41
p0 2.676e−09 ± 3.49e−12
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

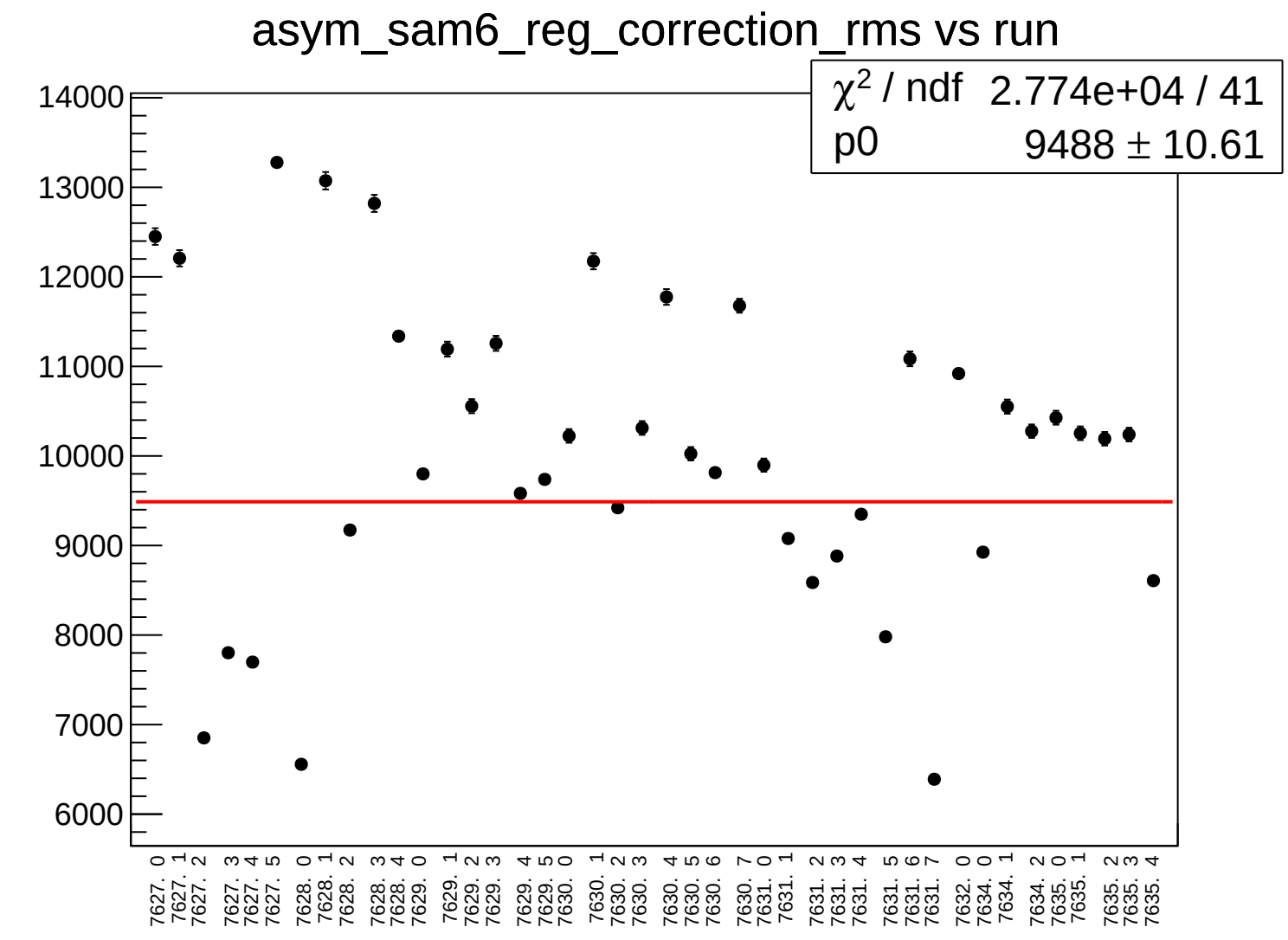

reg_asym_sam6_mean vs run
χ² / ndf 41.72 / 41
p0 42.86 ± 1569
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

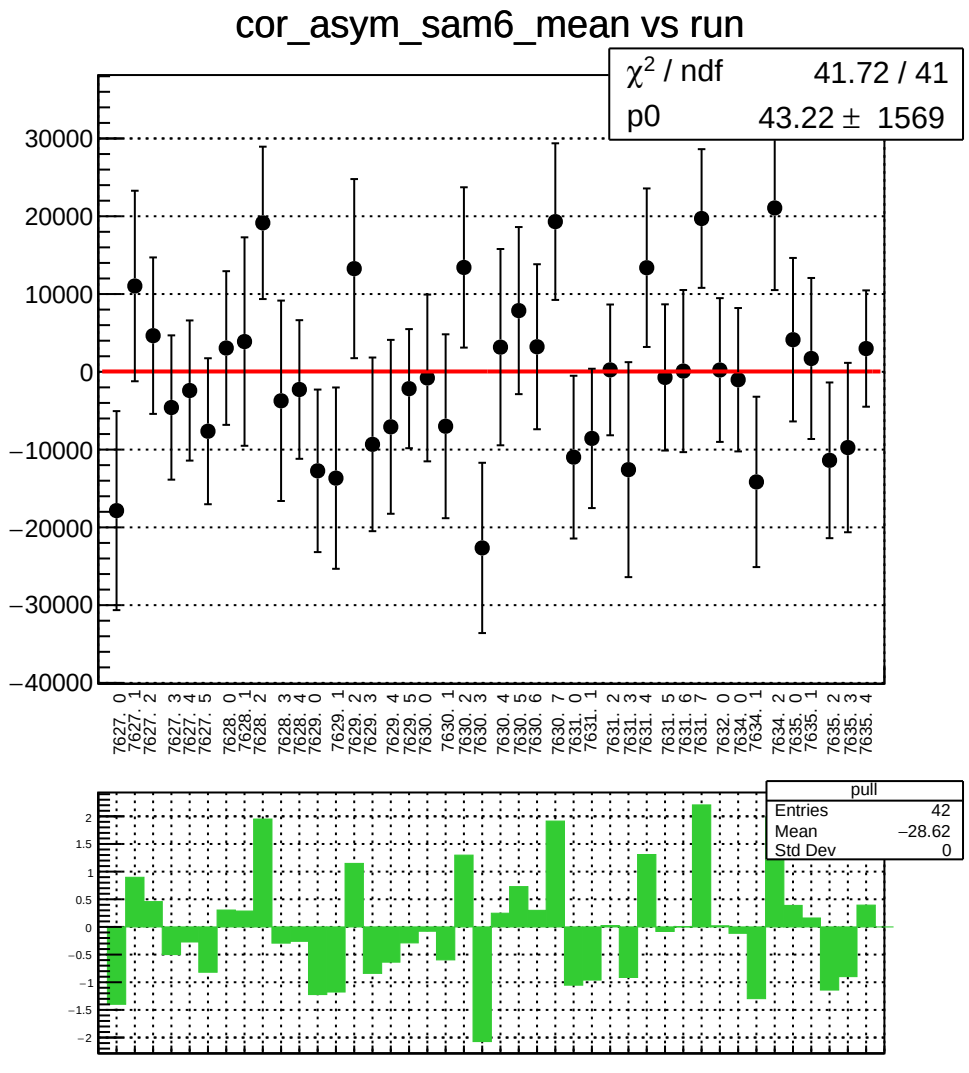

pull1D
Entries 42
Mean −0.02078
Std Dev 0.9965
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

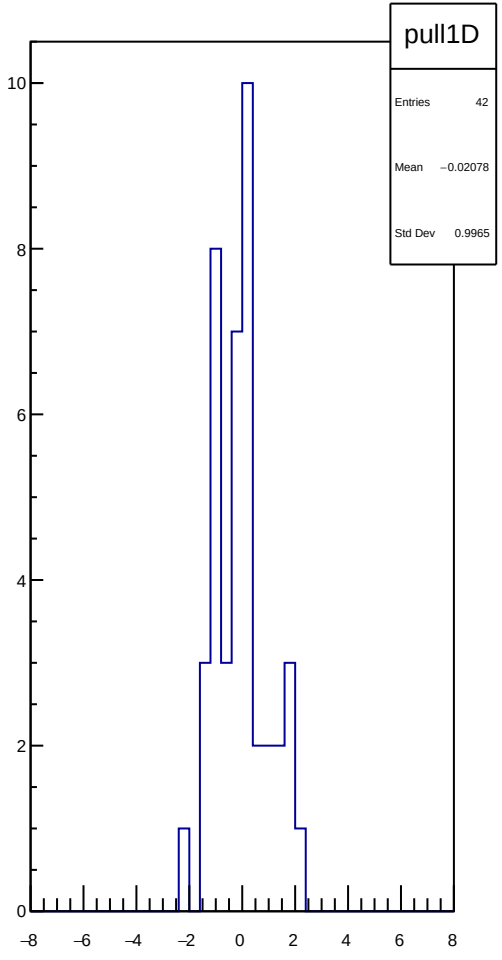

reg_asym_sam6_rms vs run
χ² / ndf 1.045e+04 / 41
p0 1003 ± 1.109
1300
1200
1100
1000
900
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

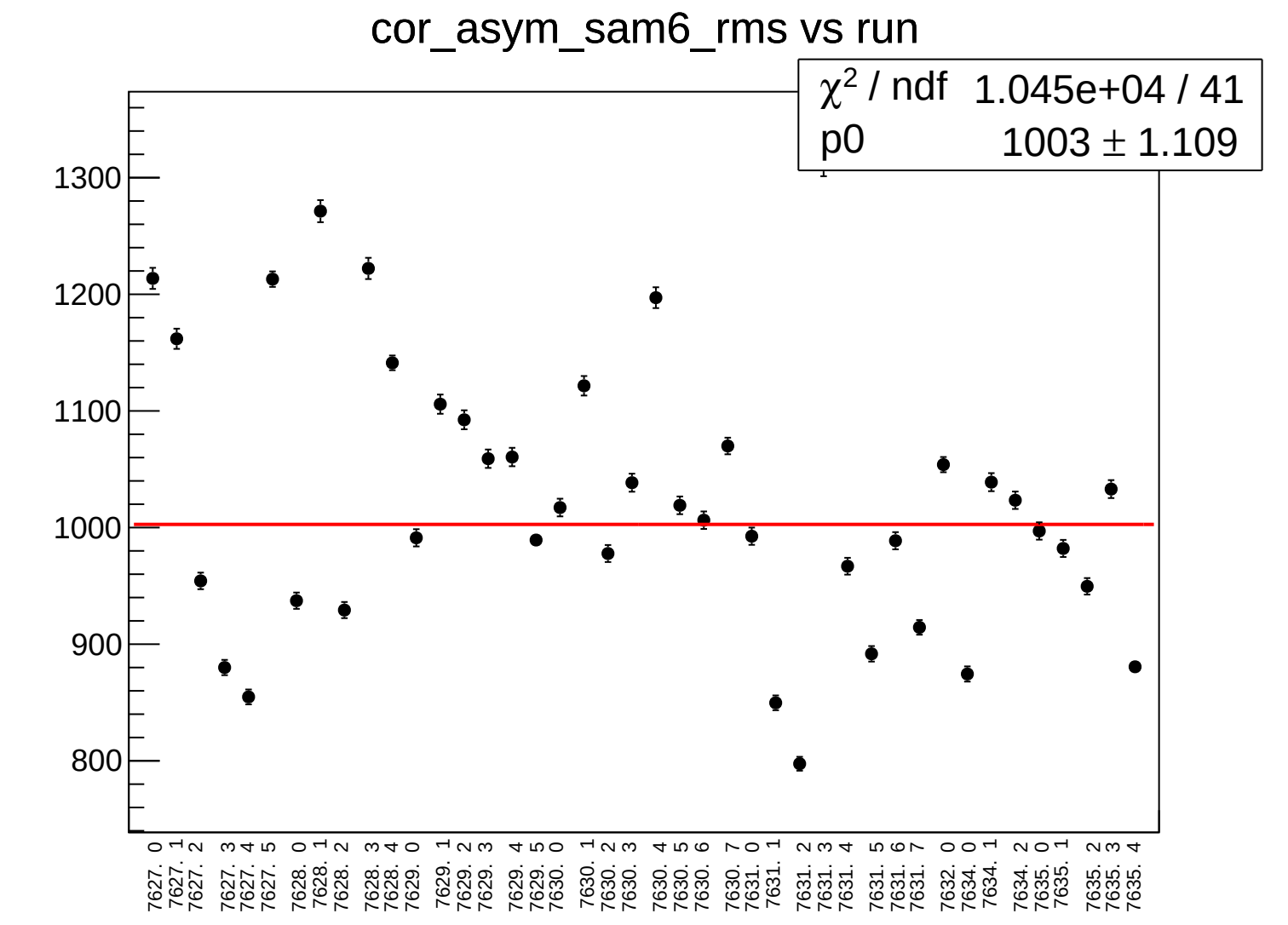

asym_sam6_reg_correction_mean vs run
×10^3
χ² / ndf 45 / 41
p0 3.021e+04 ± 1.5e+04
400
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

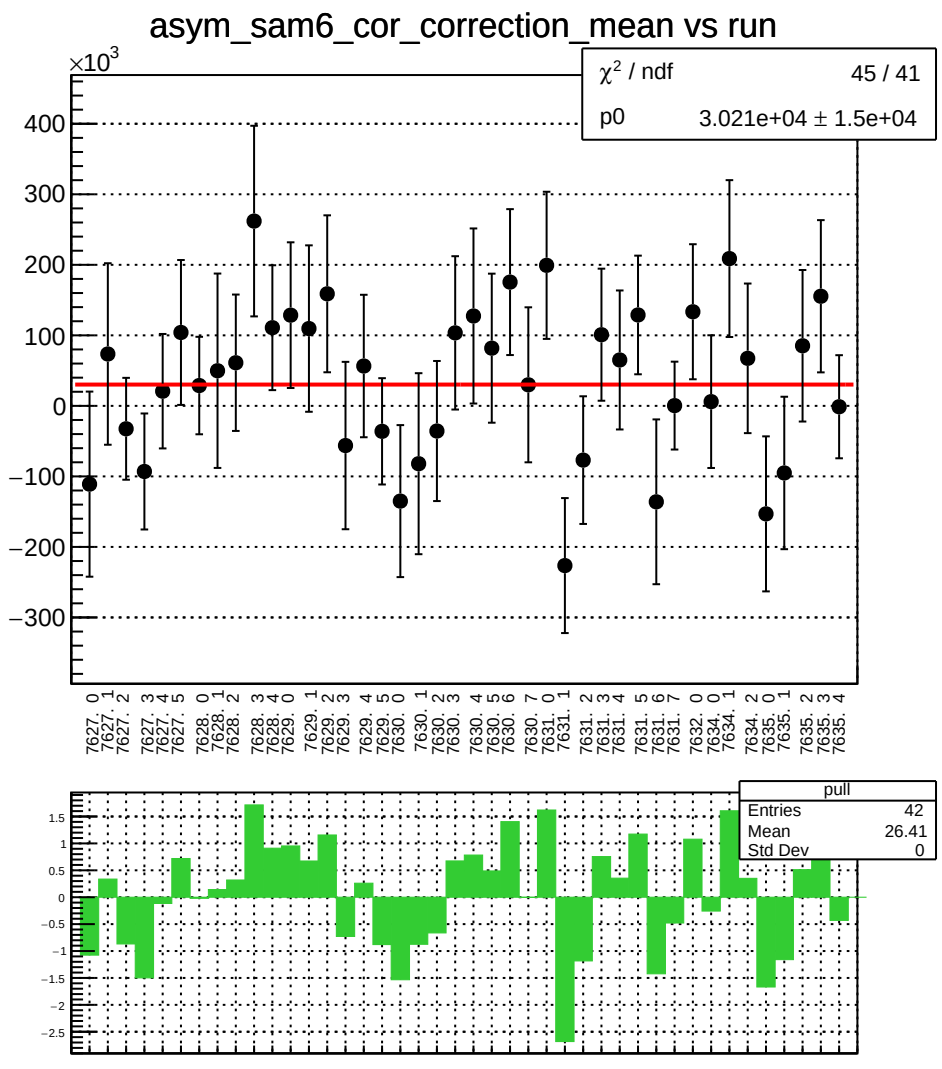

pull1D
Entries 42
Mean 0.03819
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

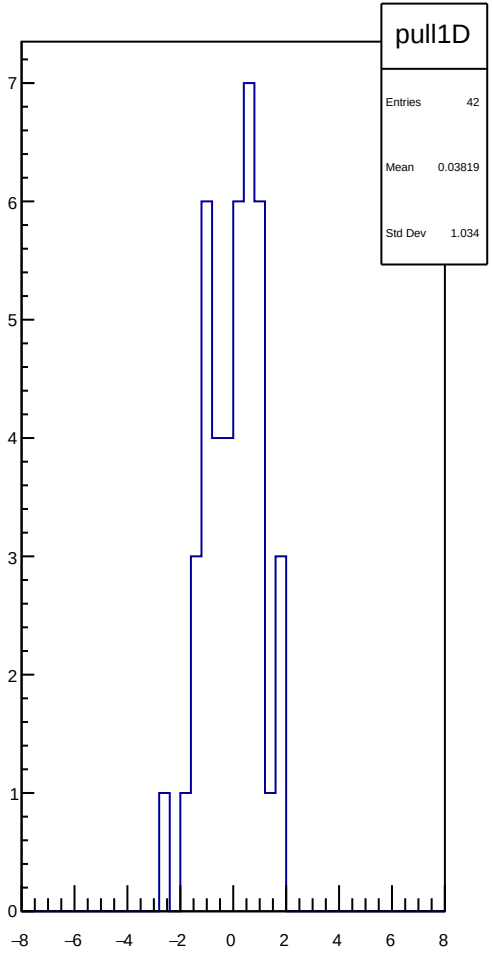

asym_sam6_reg_correction_rms vs run
χ² / ndf 2.774e+04 / 41
p0 9488 ± 10.61
14000
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

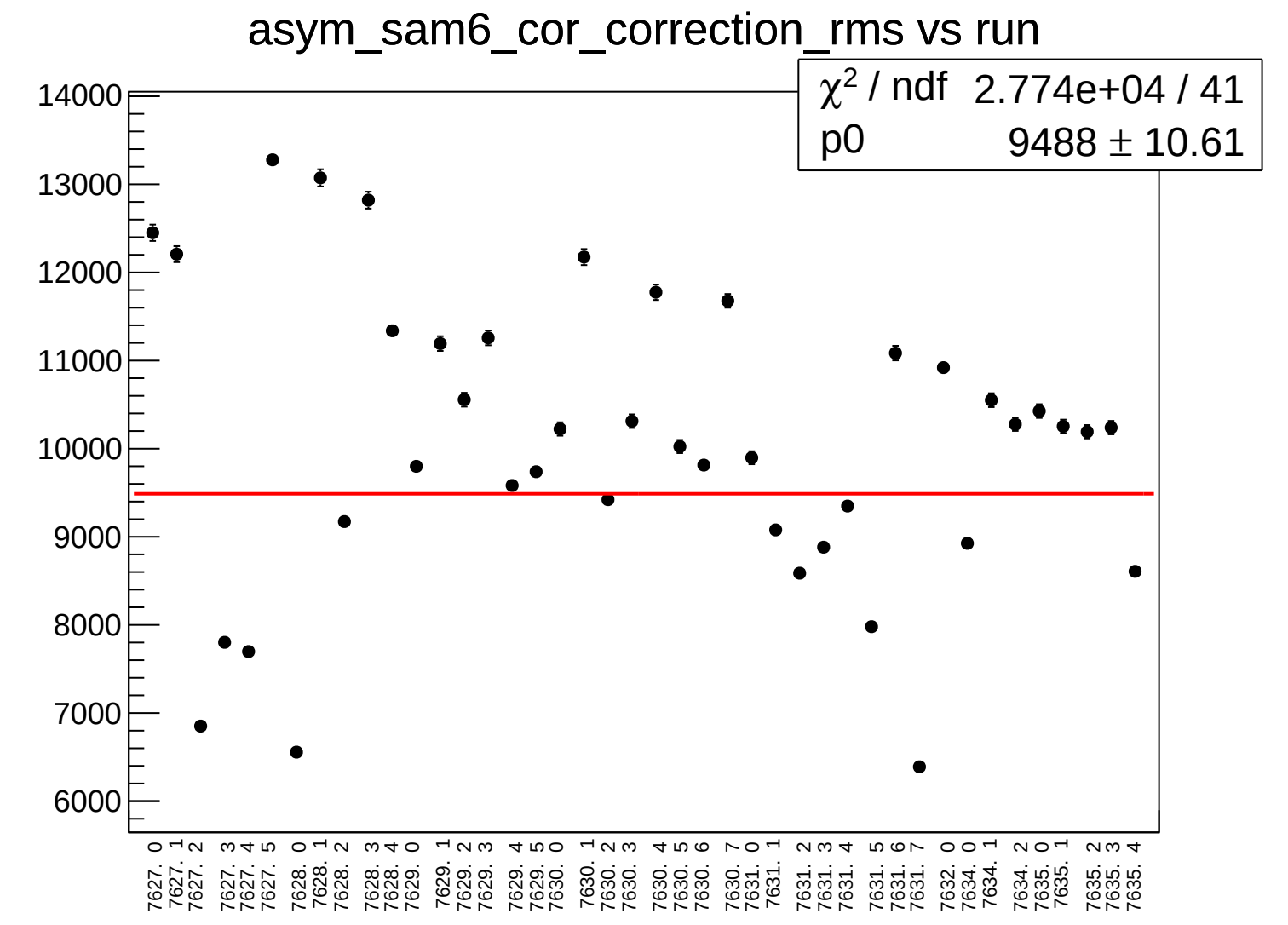

cor_asym_sam6_mean vs run
χ² / ndf 41.72 / 41
p0 43.22 ± 1569
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.02078
Std Dev 0.9965
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam6_rms vs run
χ² / ndf 1.045e+04 / 41
p0 1003 ± 1.109
1300
1200
1100
1000
900
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam6_cor_correction_mean vs run
×10^3
χ² / ndf 45 / 41
p0 3.021e+04 ± 1.5e+04
400
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.03819
Std Dev 1.034
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 2.774e+04 / 41
p0 9488 ± 10.61
14000
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
7629. 4
7629. 5
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7630. 2
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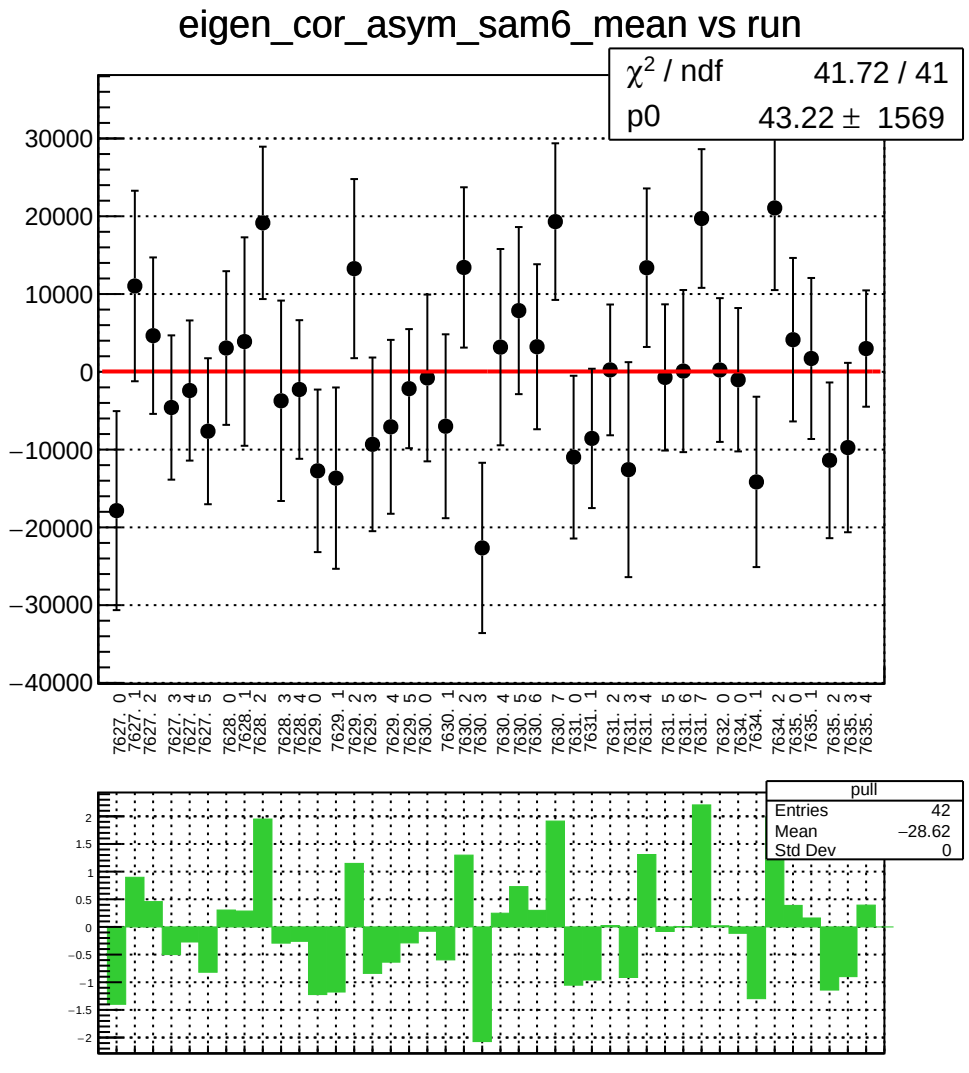
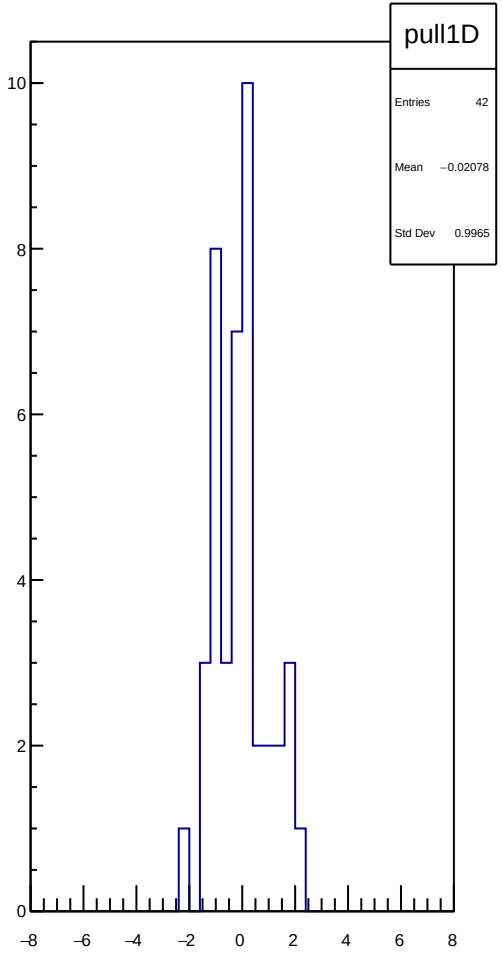
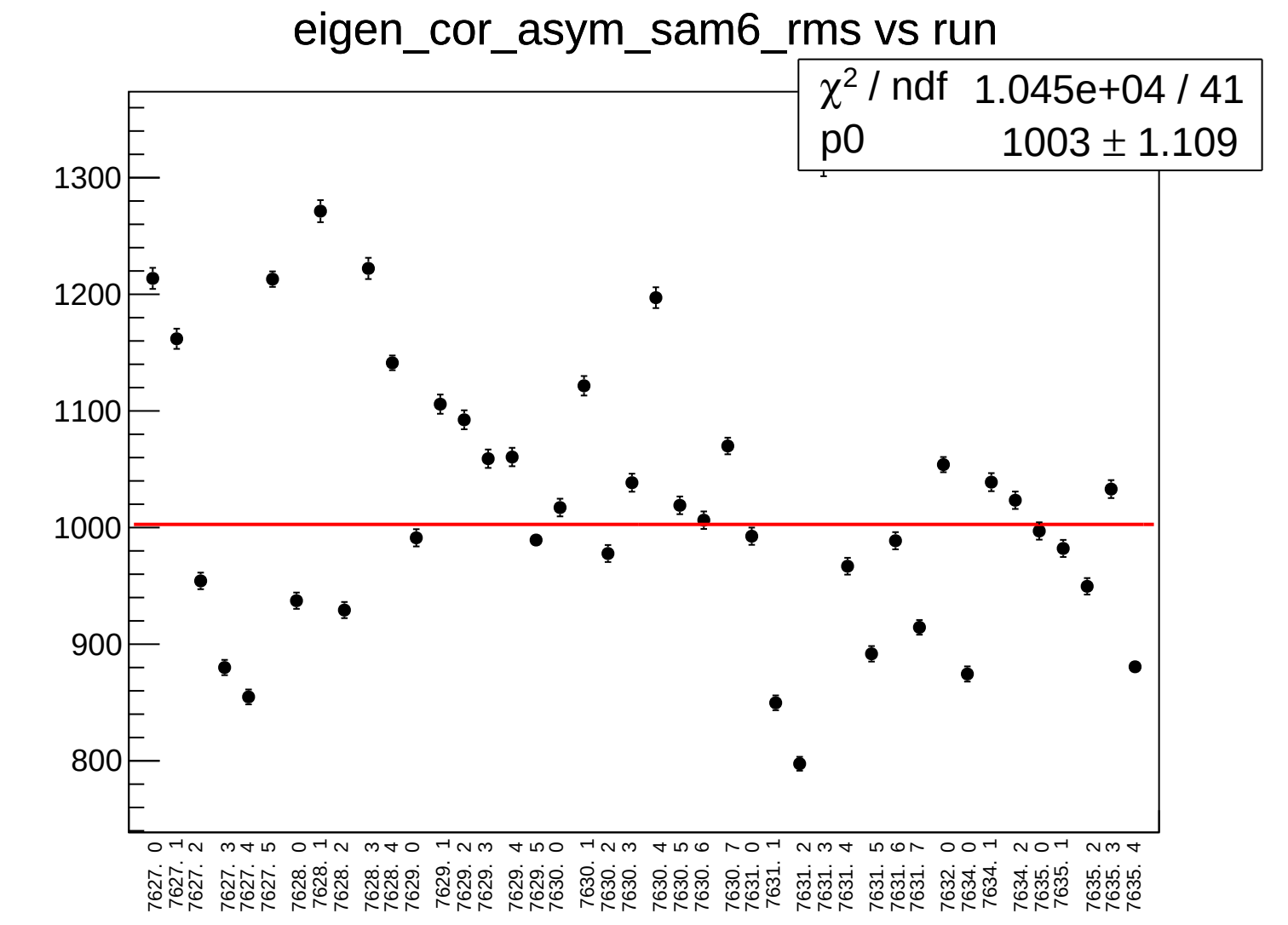
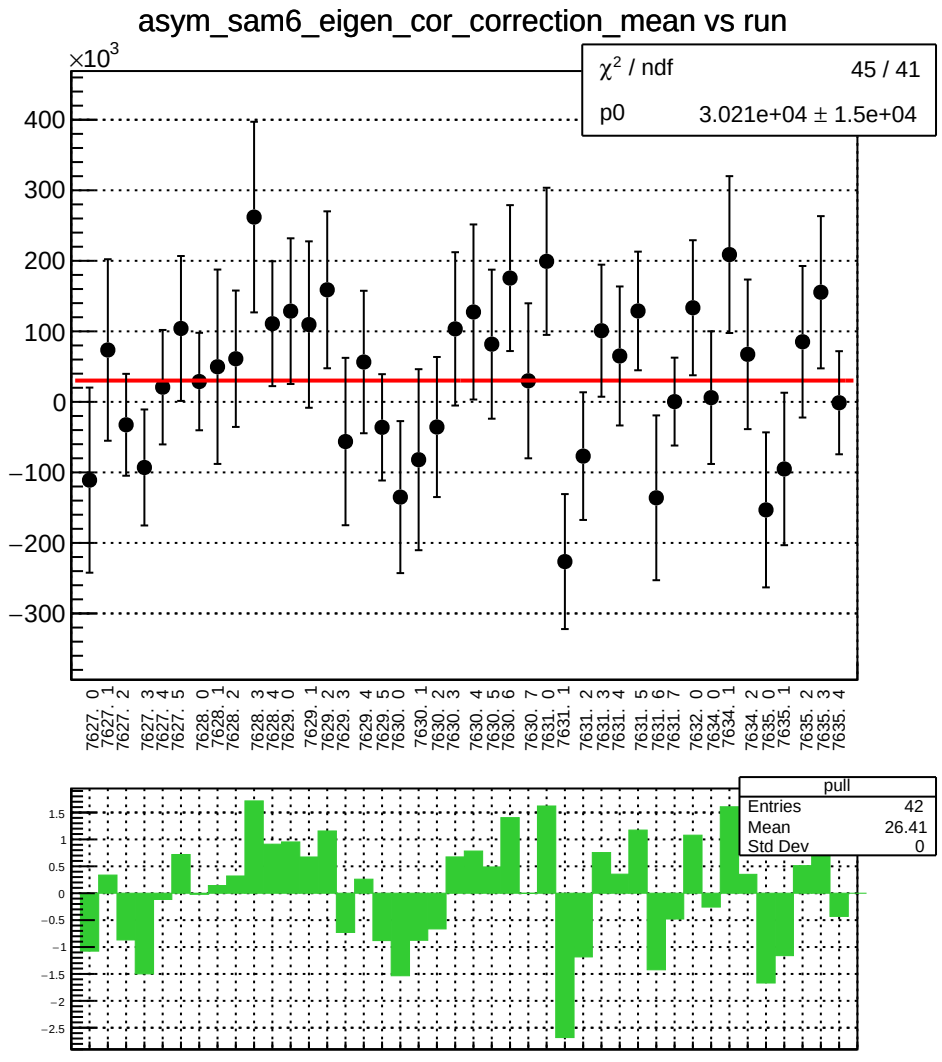
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam6_mean vs run
χ² / ndf 41.72 / 41
p0 43.22 ± 1569
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.02078
Std Dev 0.9965
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam6_rms vs run
χ² / ndf 1.045e+04 / 41
p0 1003 ± 1.109
1300
1200
1100
1000
900
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam6_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 45 / 41
p0 3.021e+04 ± 1.5e+04
400
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
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7631. 0
7631. 1
7631. 2
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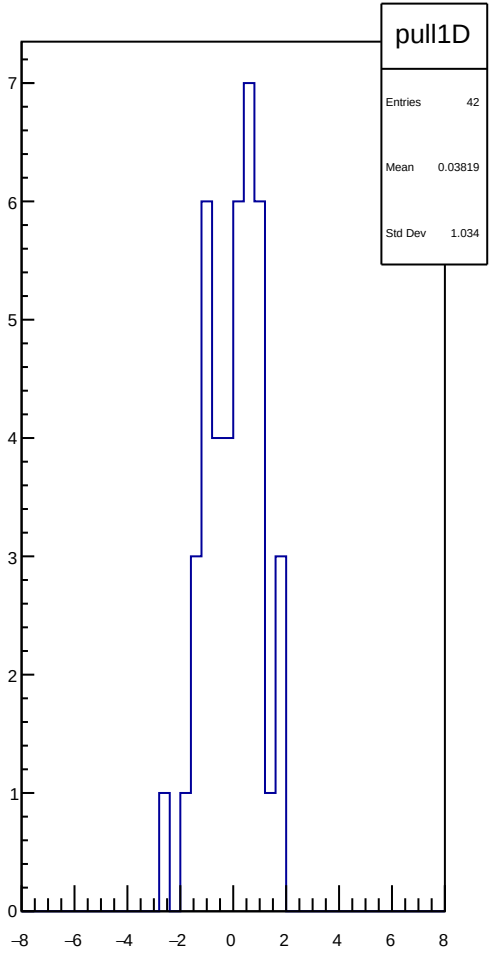
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.03819
Std Dev 1.034
7
6
5
4
3
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1
0
−8
−6
−4
−2
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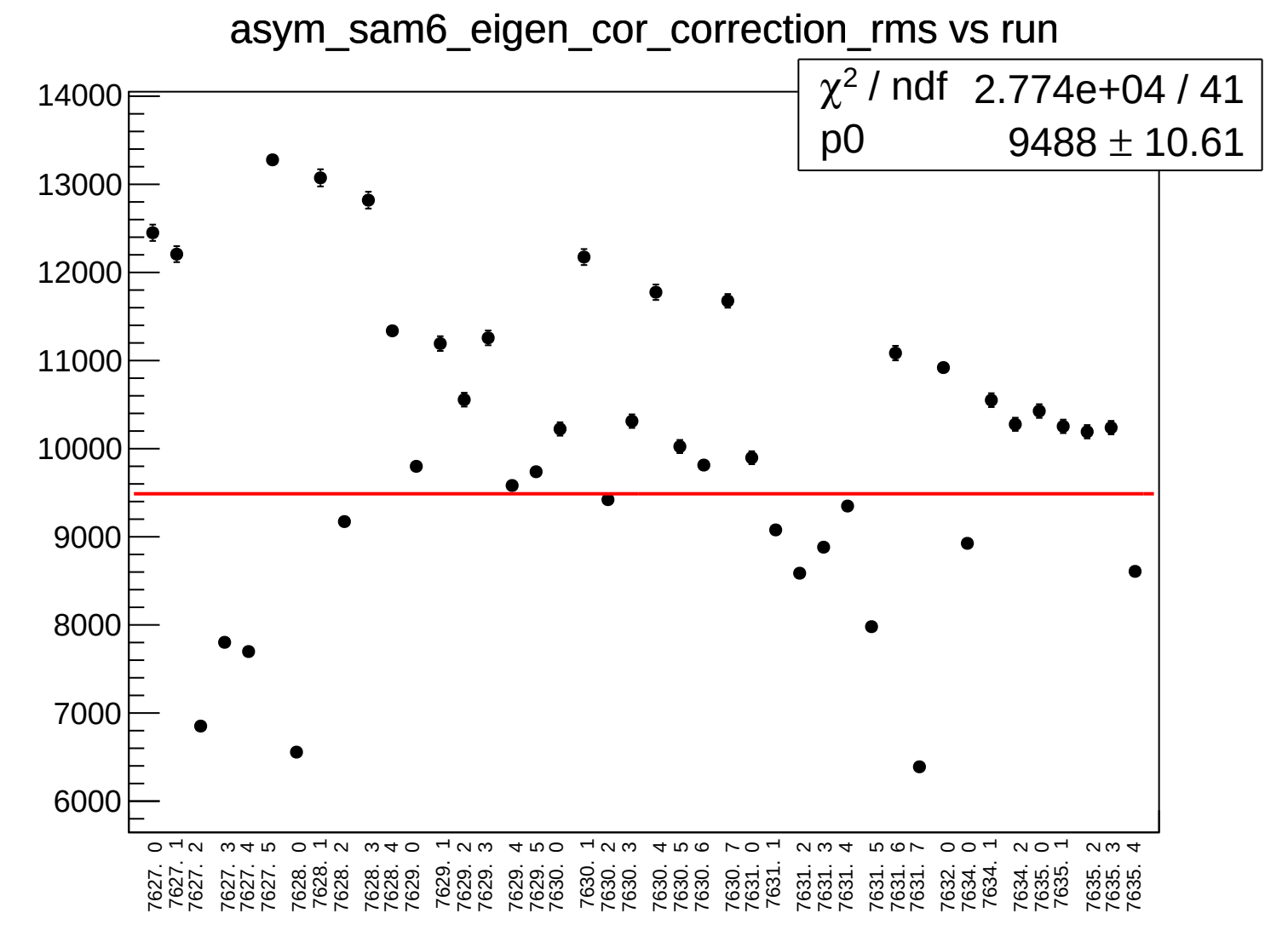
2
4
6
8


asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 2.774e+04 / 41
p0 9488 ± 10.61
14000
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
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7629. 5
7630. 0
7630. 1
7630. 2
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7631. 0
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7631. 6
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7635. 1
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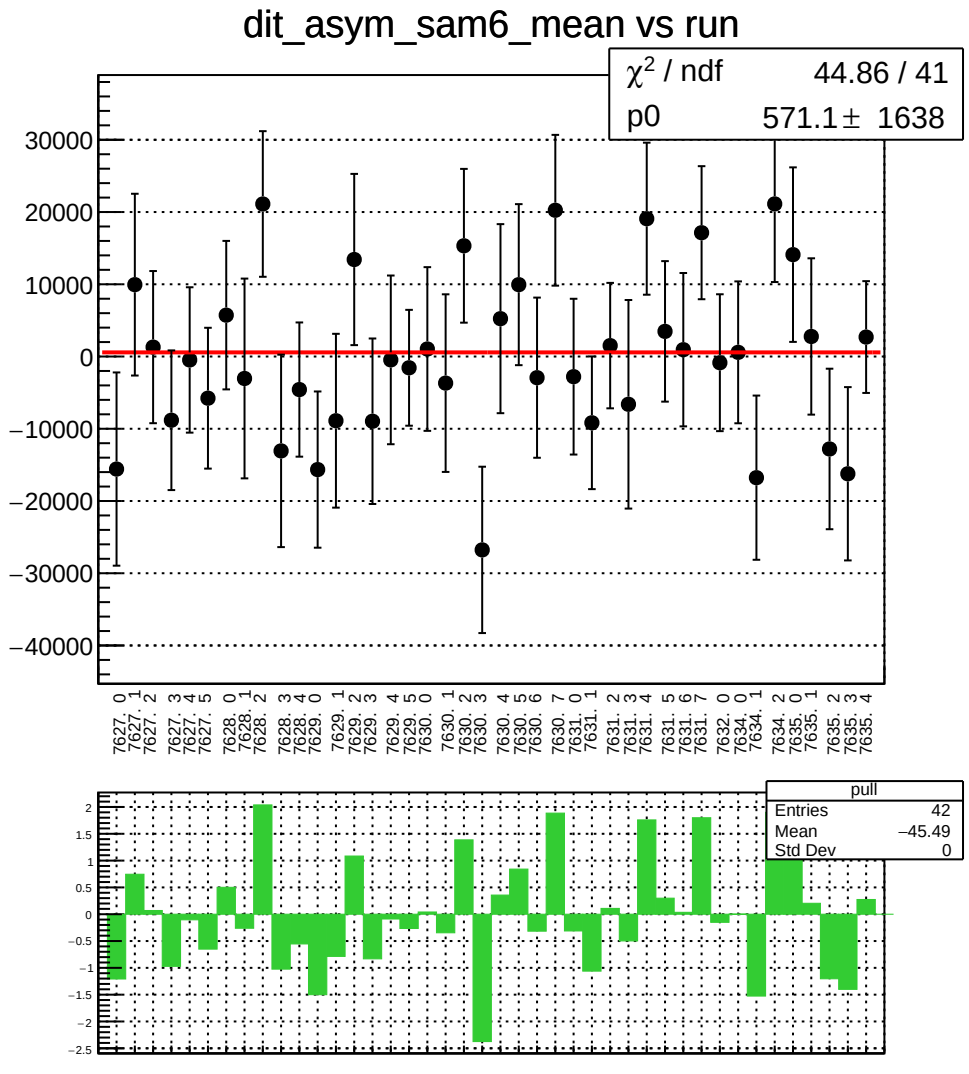
7635. 3
7635. 4


dit_asym_sam6_mean vs run
χ² / ndf 44.86 / 41
p0 571.1 ± 1638
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 1
7630. 2
7630. 3
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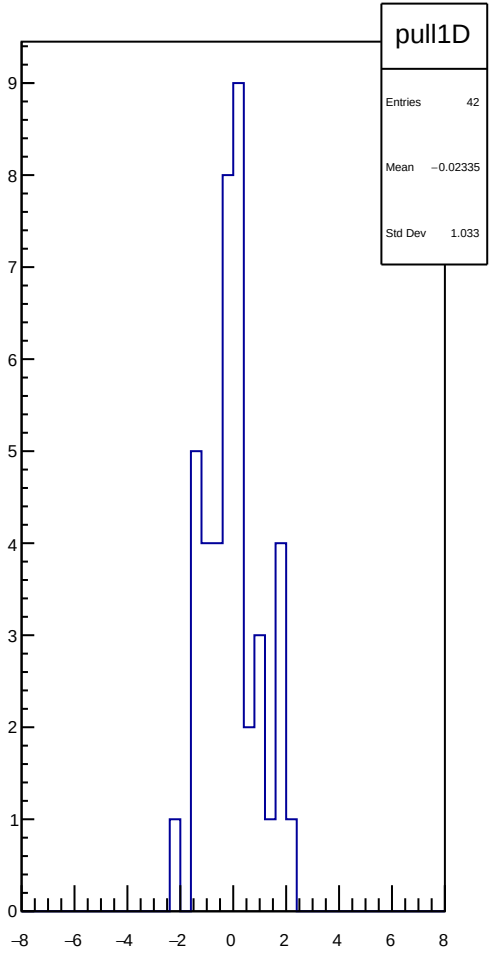
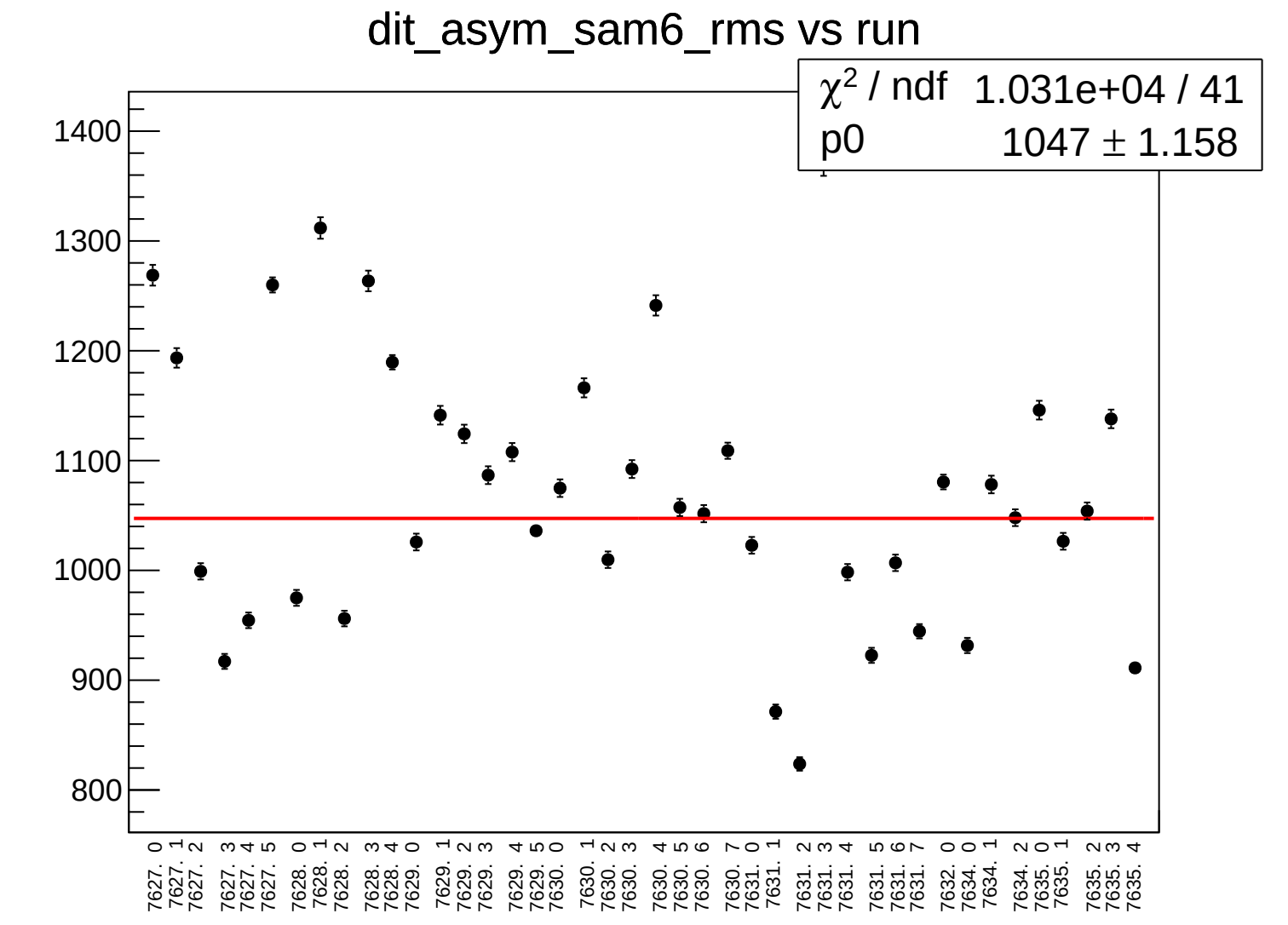
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −45.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean −0.02335
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam6_rms vs run
χ² / ndf 1.031e+04 / 41
p0 1047 ± 1.158
1400
1300
1200
1100
1000
900
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
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7630. 3
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7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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7634. 0
7634. 1
7634. 2
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7635. 1
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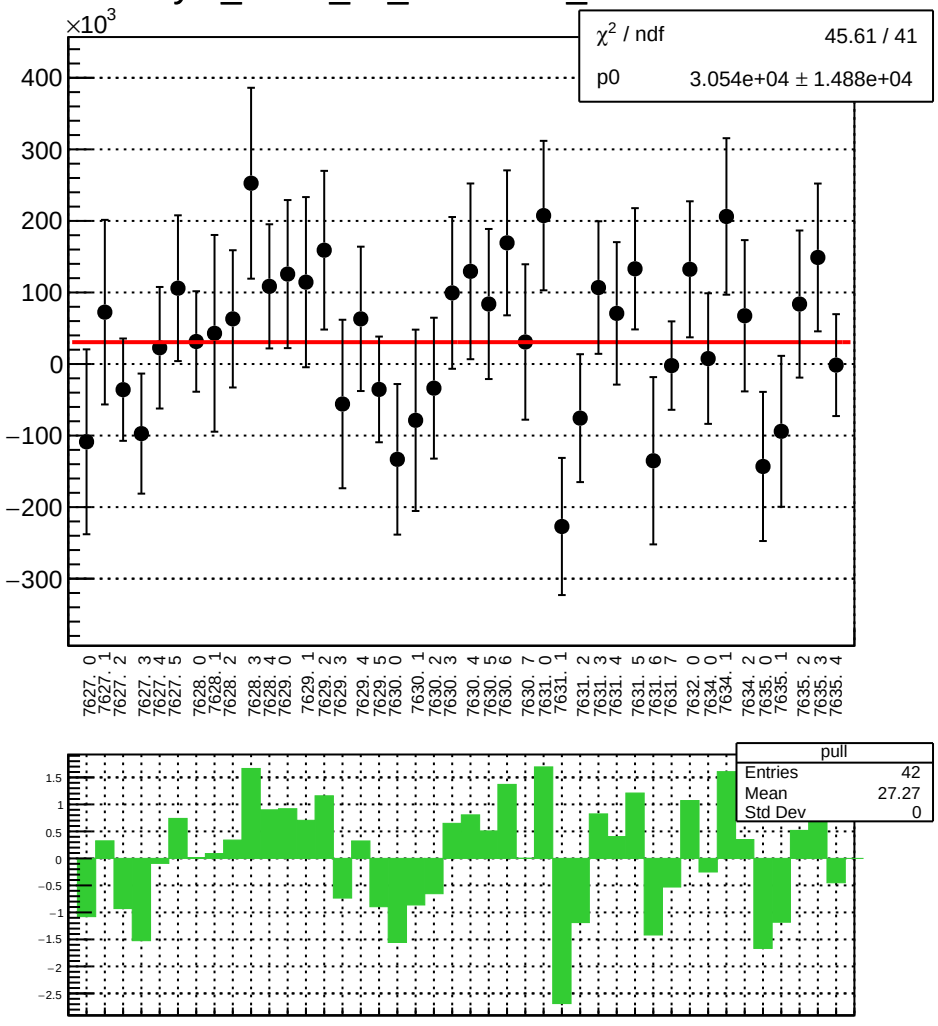
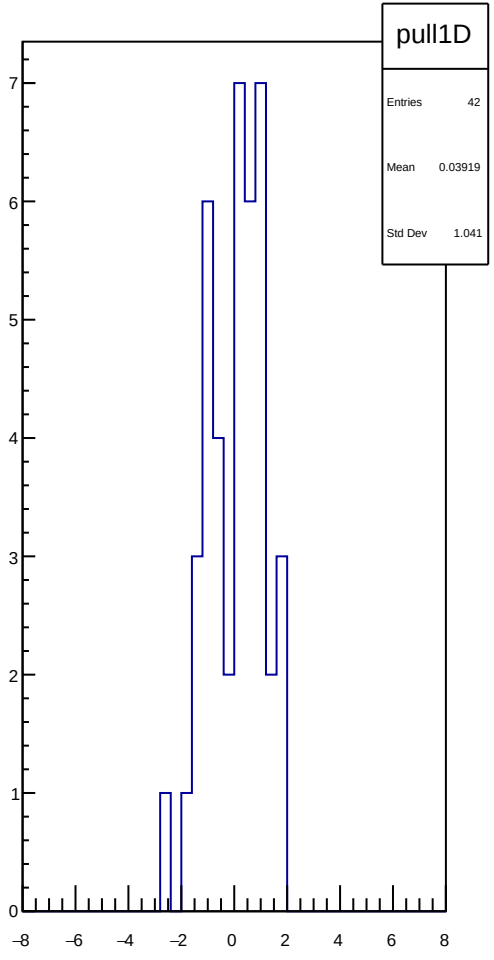
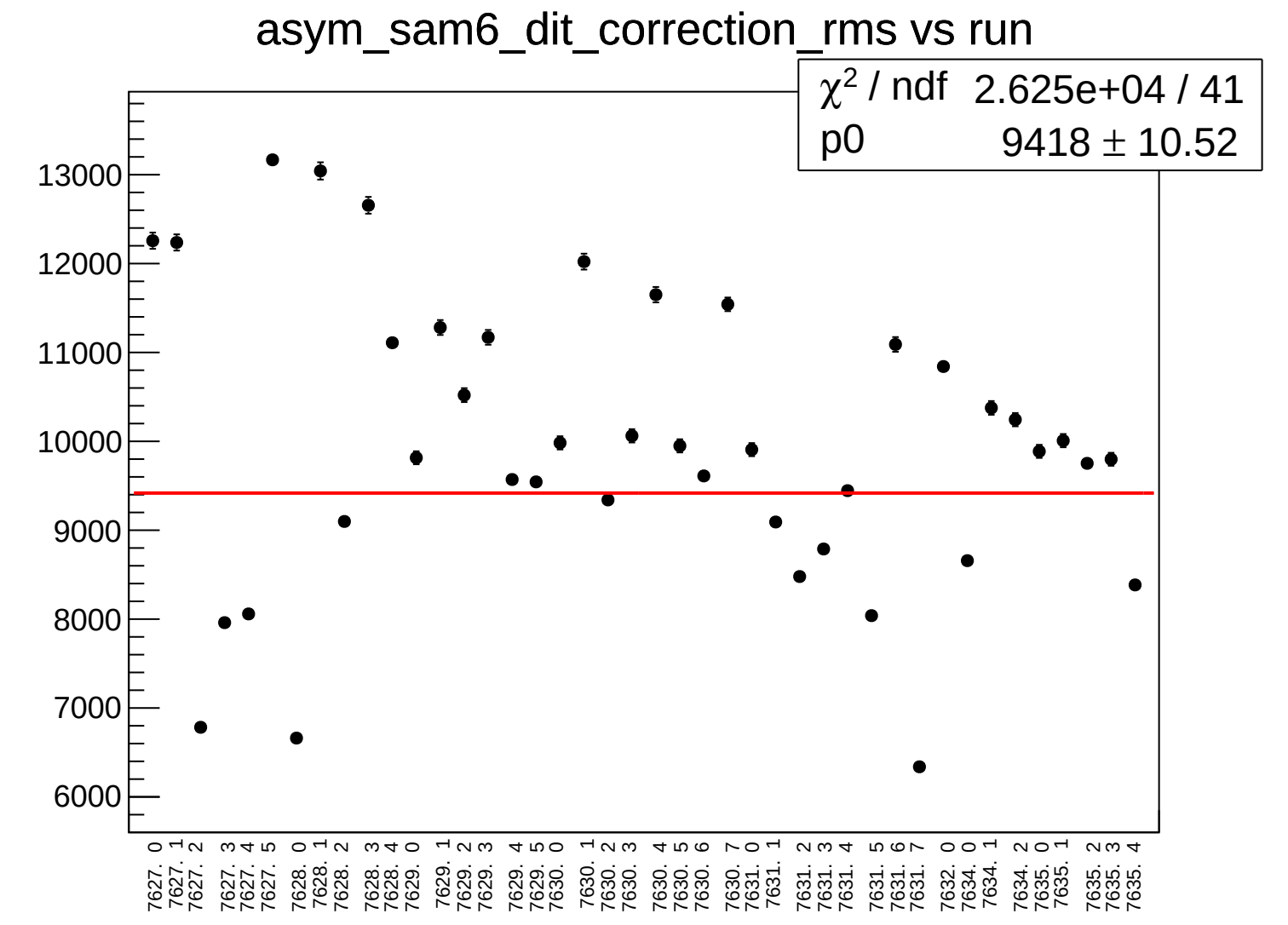

asym_sam6_dit_correction_mean vs run
×10^3
χ² / ndf 45.61 / 41
p0 3.054e+04 ± 1.488e+04
pull
Entries 42
Mean 27.27
Std Dev 0


pull1D
Entries 42
Mean 0.03919
Std Dev 1.041


asym_sam6_dit_correction_rms vs run
χ² / ndf 2.625e+04 / 41
p0 9418 ± 10.52
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
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7630. 7
7631. 0
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7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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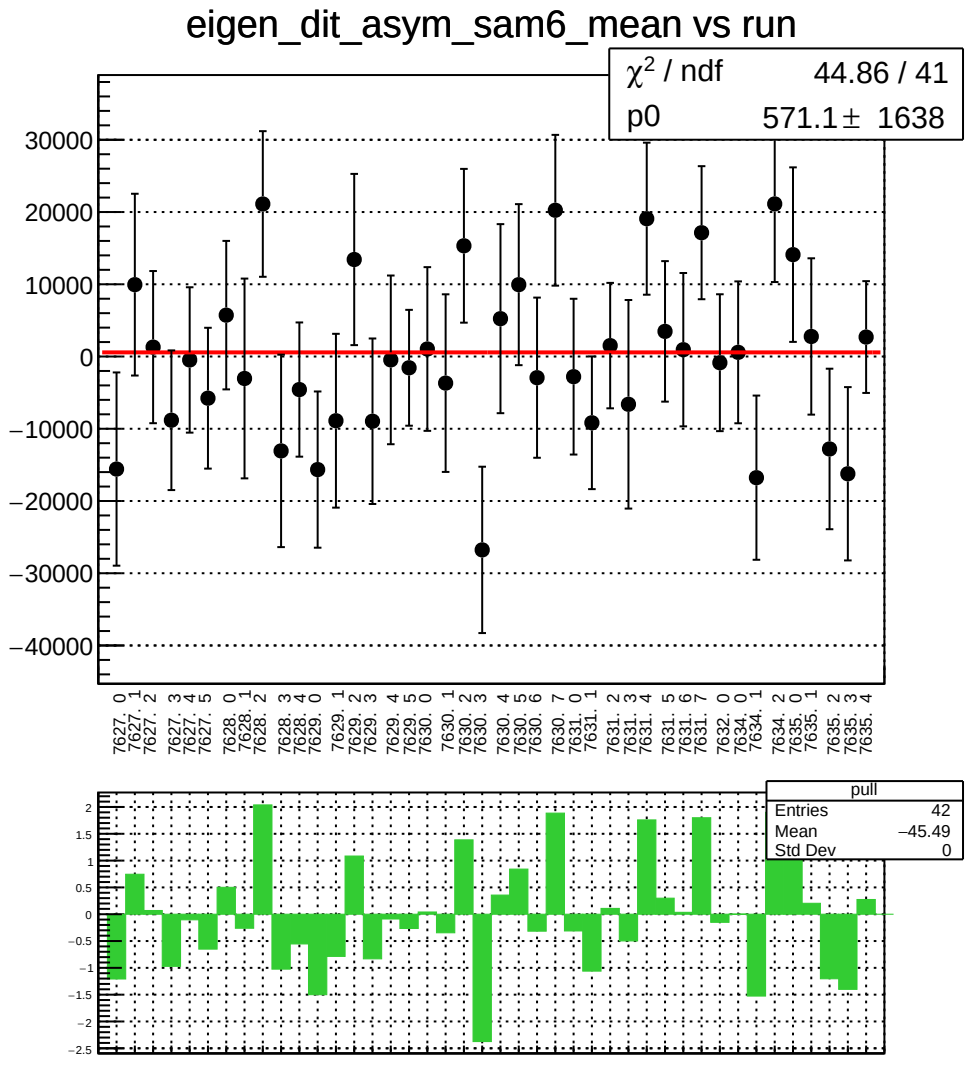
7635. 3
7635. 4


eigen_dit_asym_sam6_mean vs run
χ² / ndf 44.86 / 41
p0 571.1 ± 1638
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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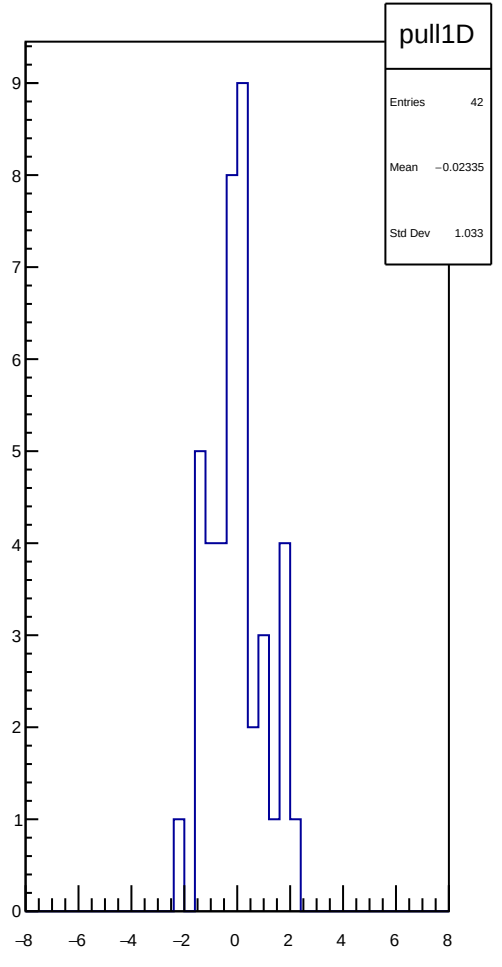
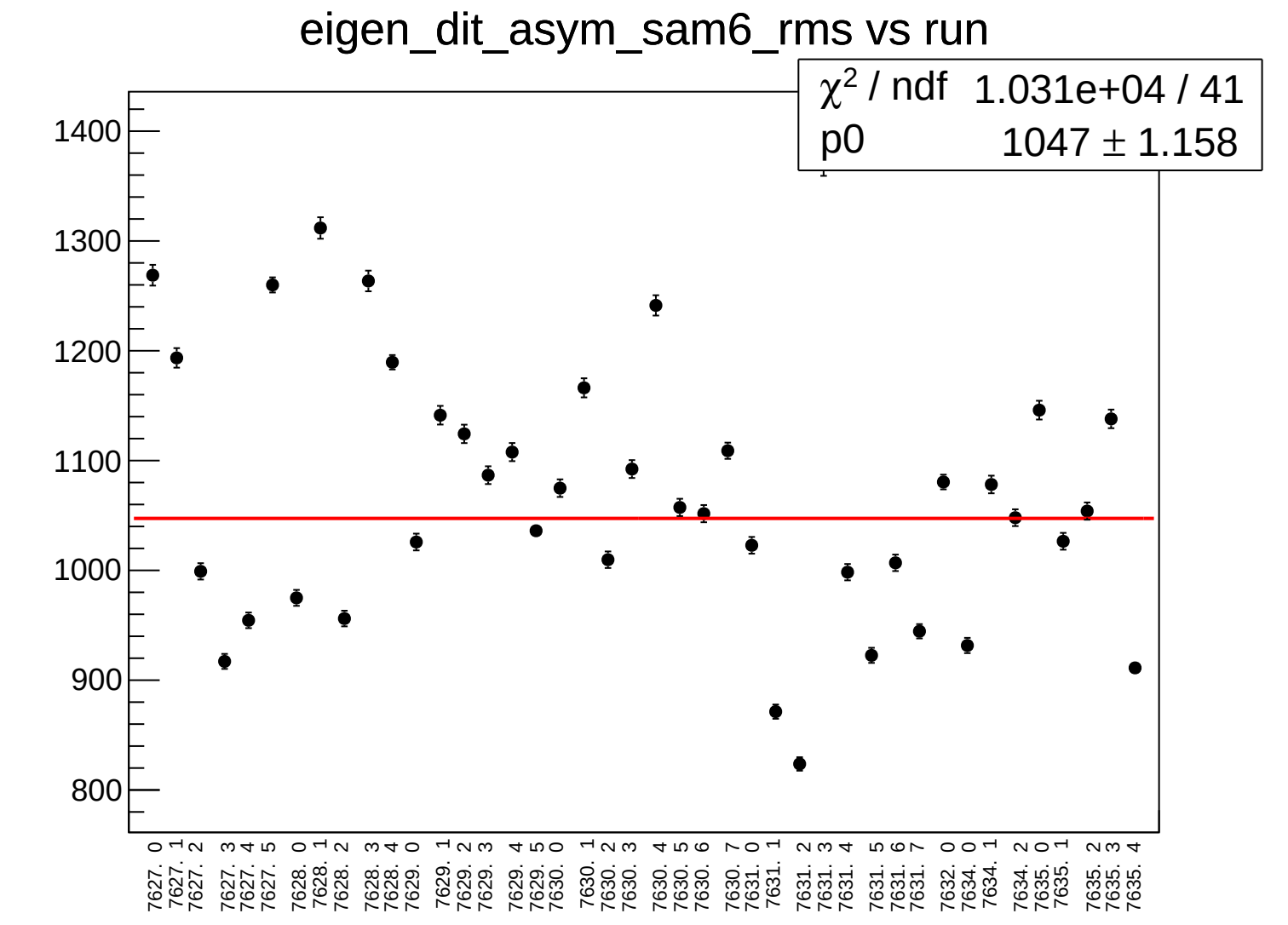
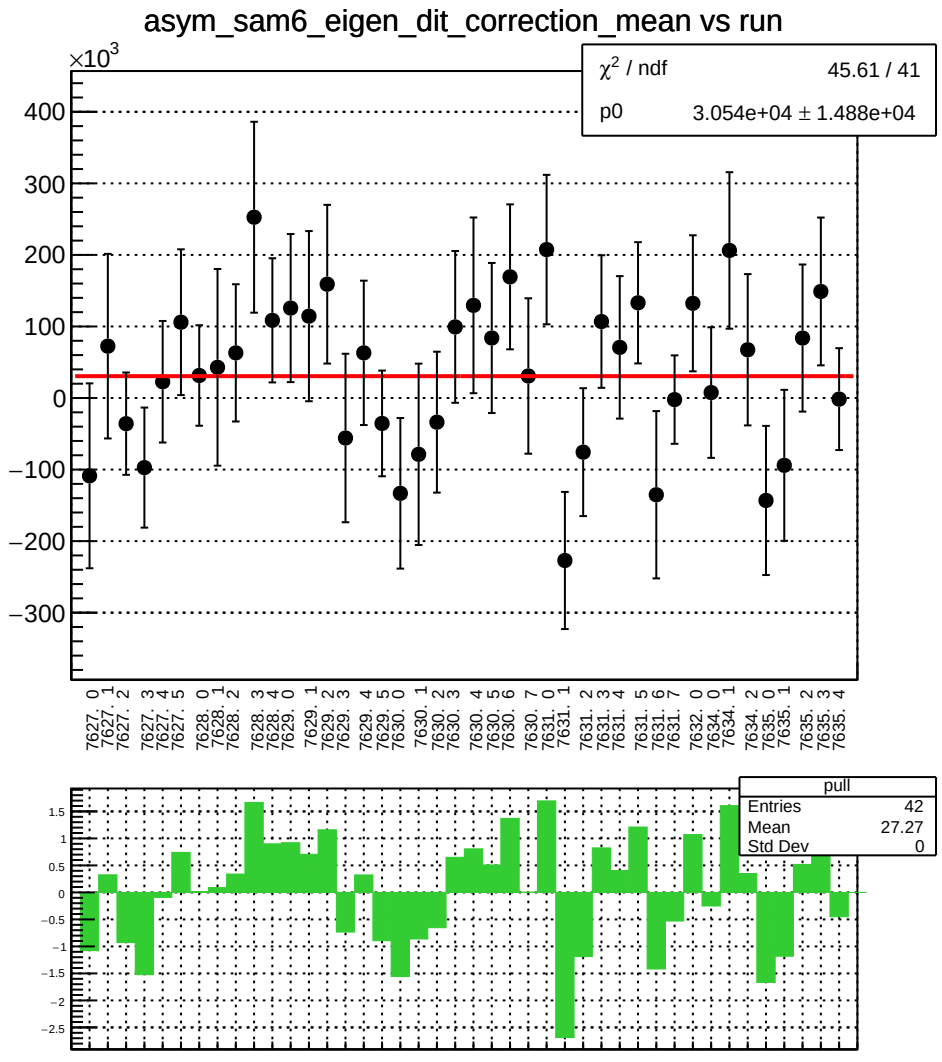
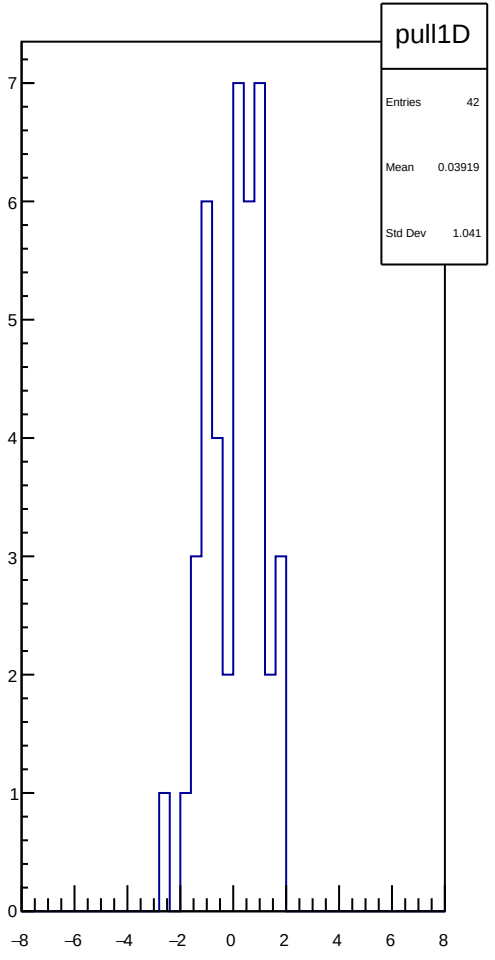
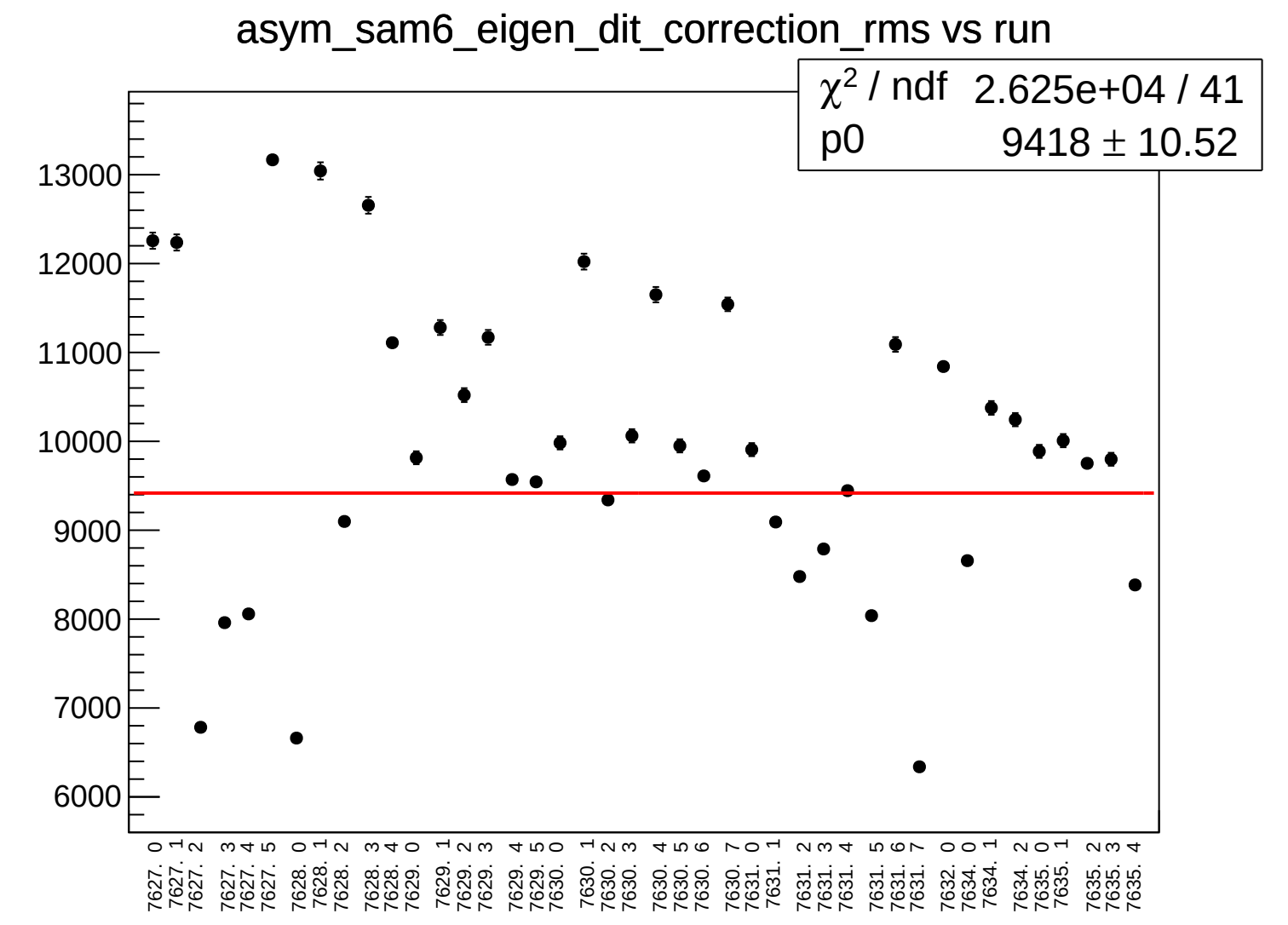
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −45.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

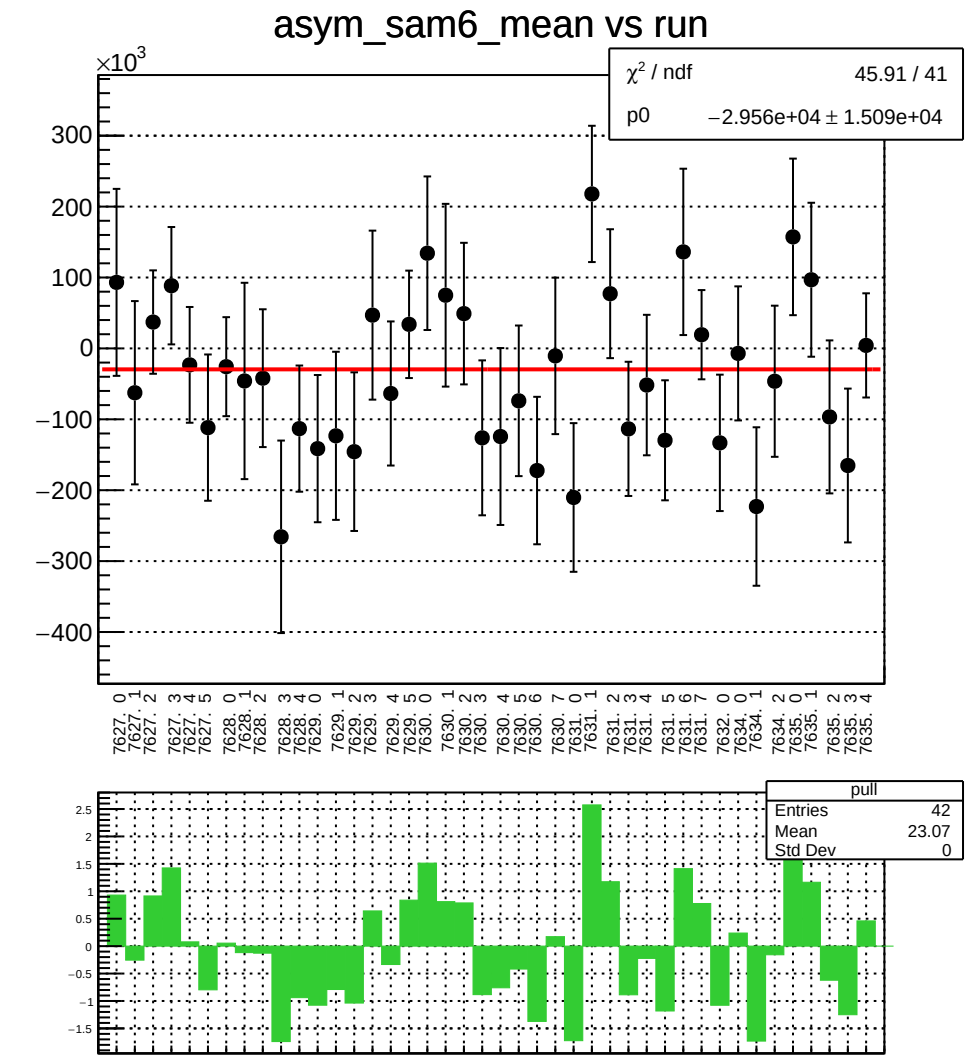

pull1D
Entries 42
Mean −0.02335
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

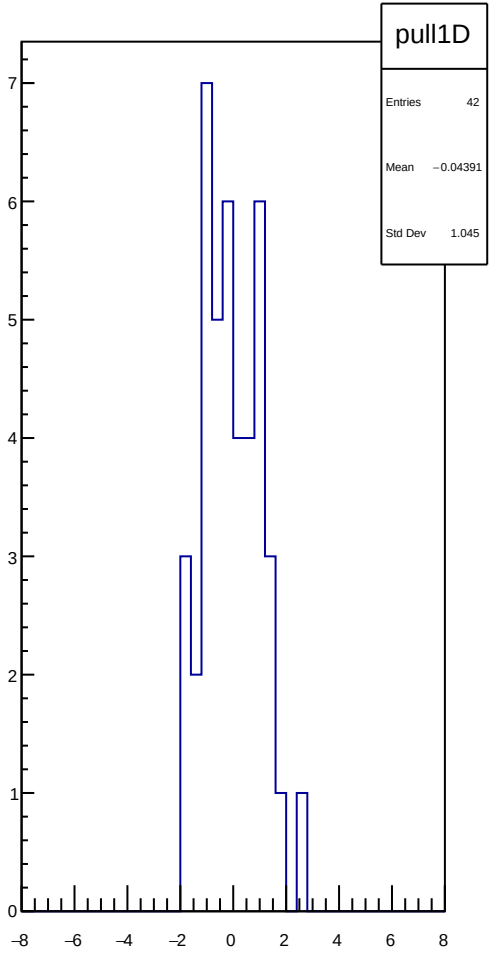

eigen_dit_asym_sam6_rms vs run
χ² / ndf 1.031e+04 / 41
p0 1047 ± 1.158
1400
1300
1200
1100
1000
900
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

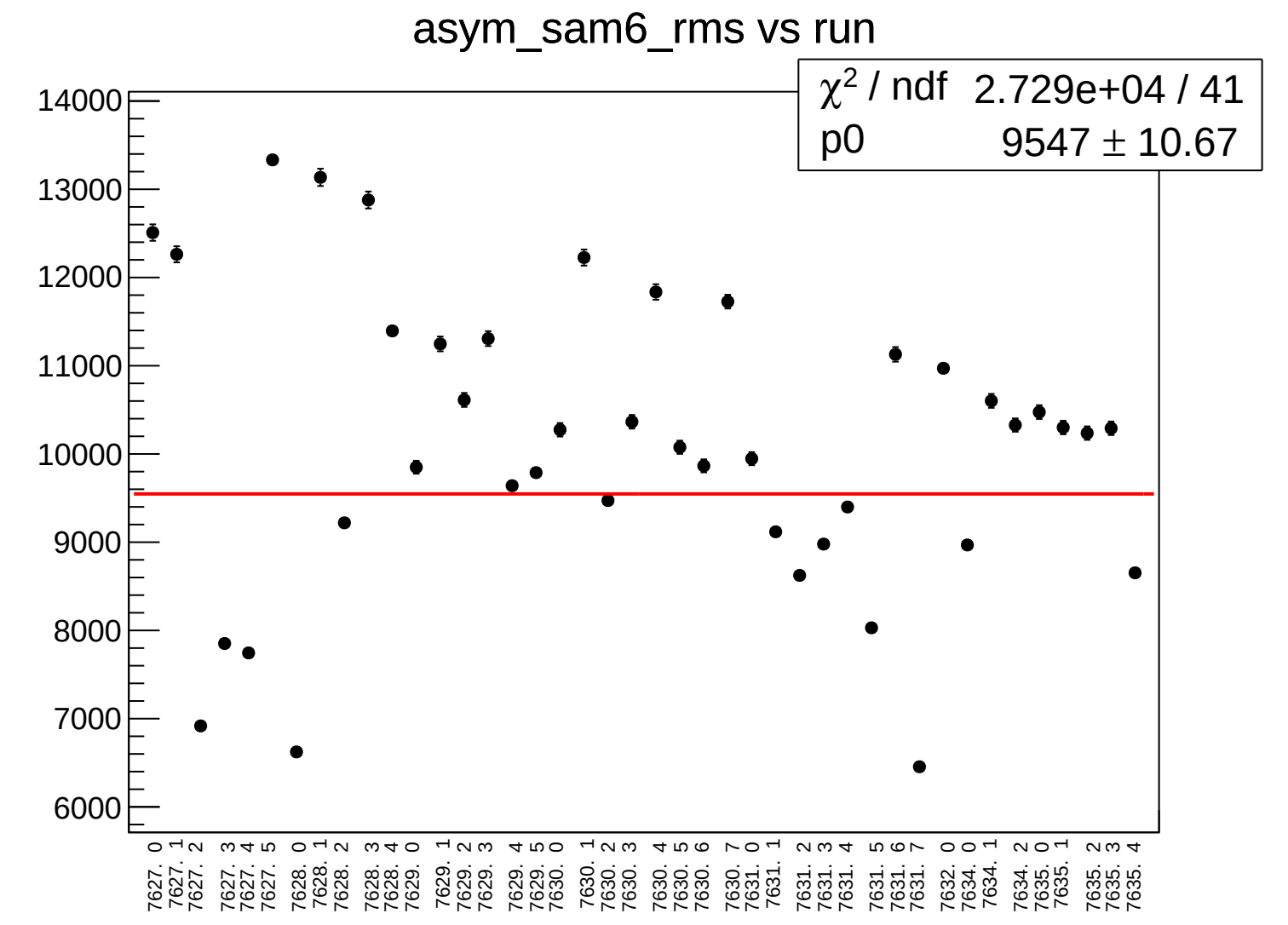

asym_sam6_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.61 / 41
p0 3.054e+04 ± 1.488e+04
pull
Entries 42
Mean 27.27
Std Dev 0

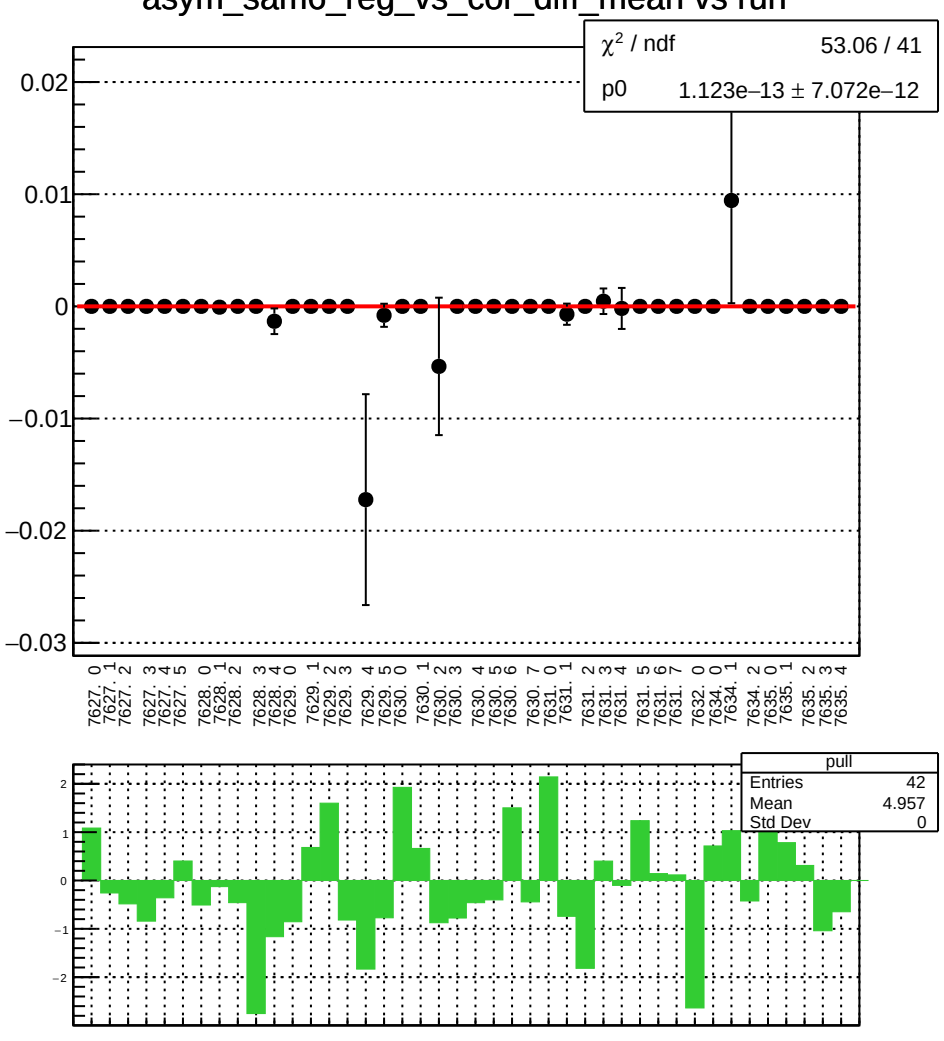

pull1D
Entries 42
Mean 0.03919
Std Dev 1.041

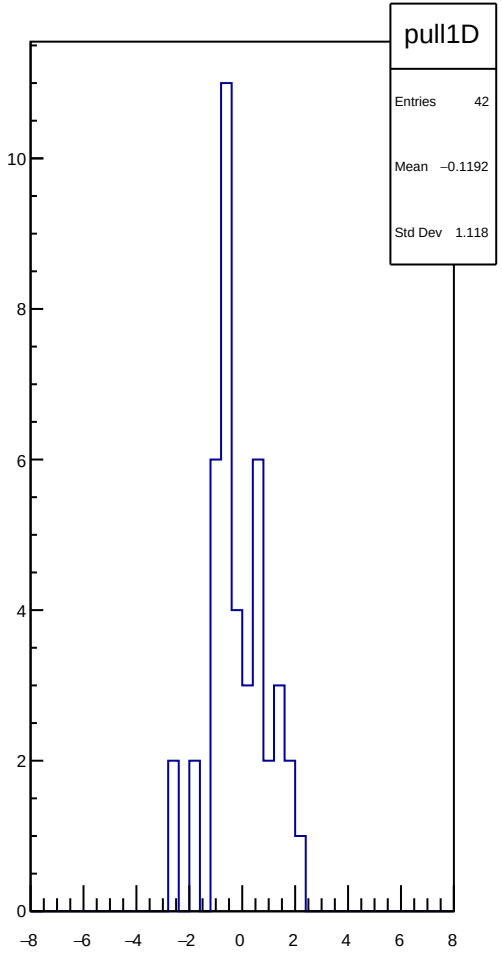

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 2.625e+04 / 41
p0 9418 ± 10.52
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

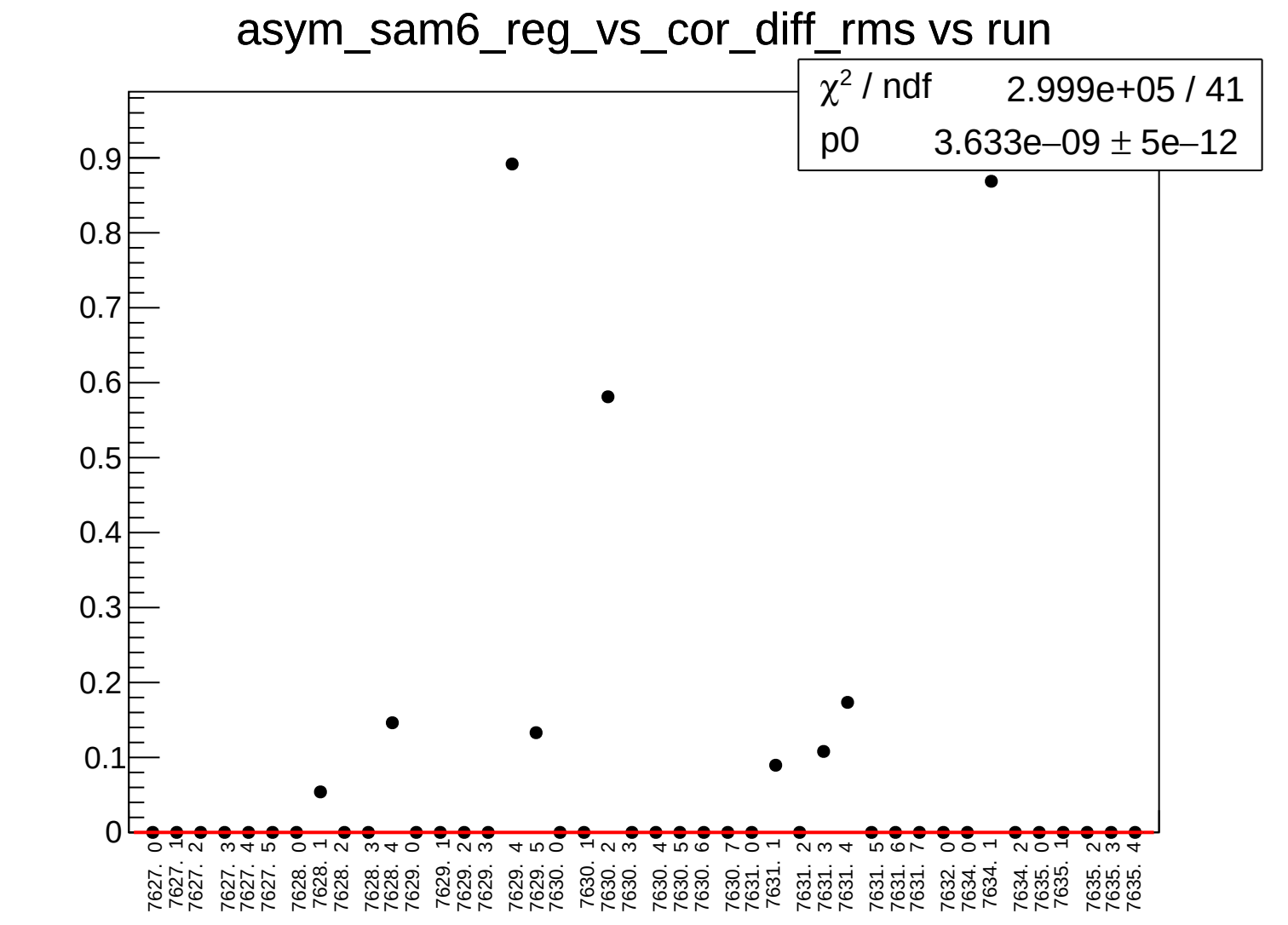

asym_sam6_mean vs run
×10^3
χ² / ndf 45.91 / 41
p0 −2.956e+04 ± 1.509e+04
300
200
100
0
−100
−200
−300
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 23.07
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

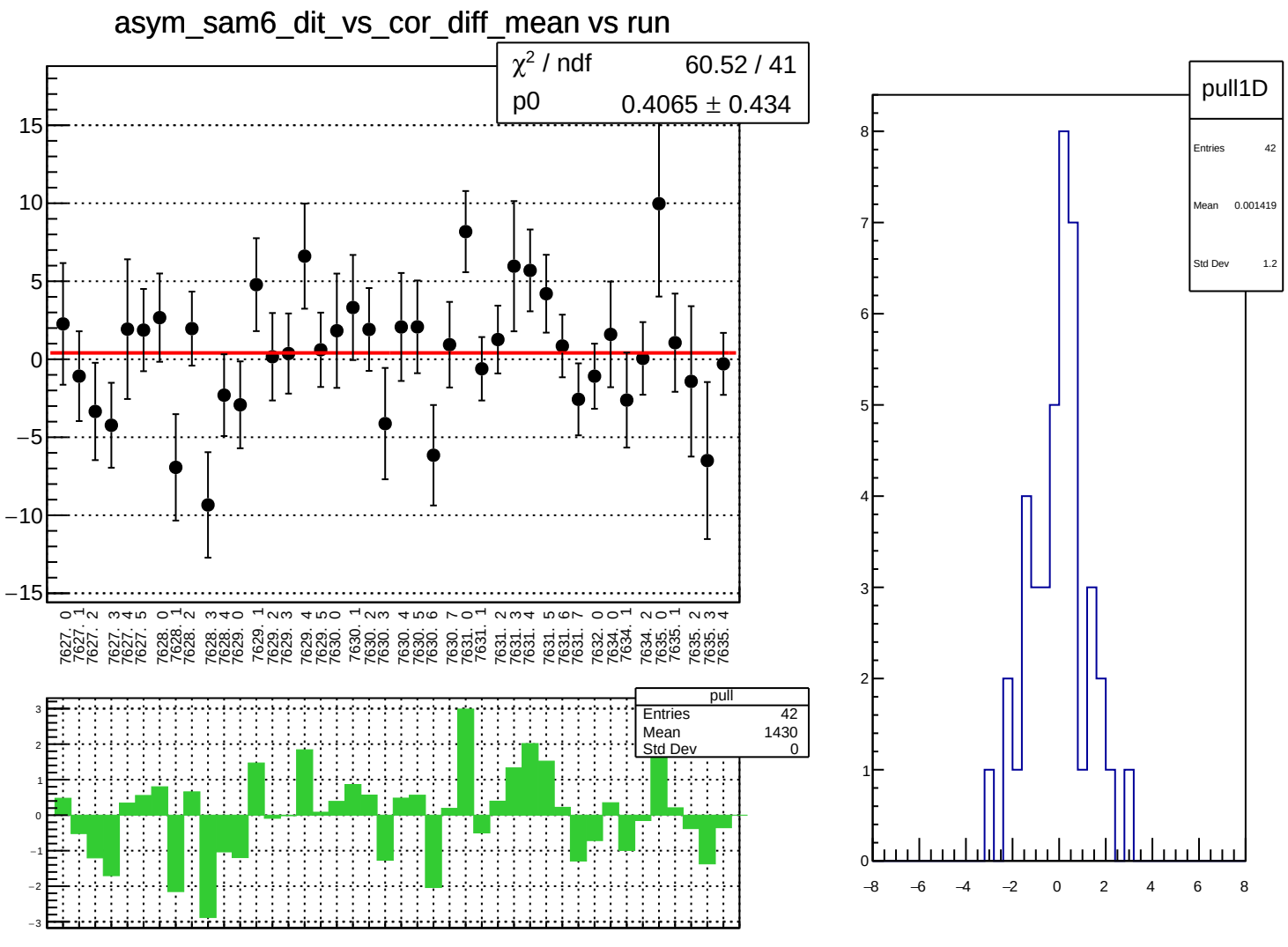

pull1D
Entries 42
Mean −0.04391
Std Dev 1.045
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

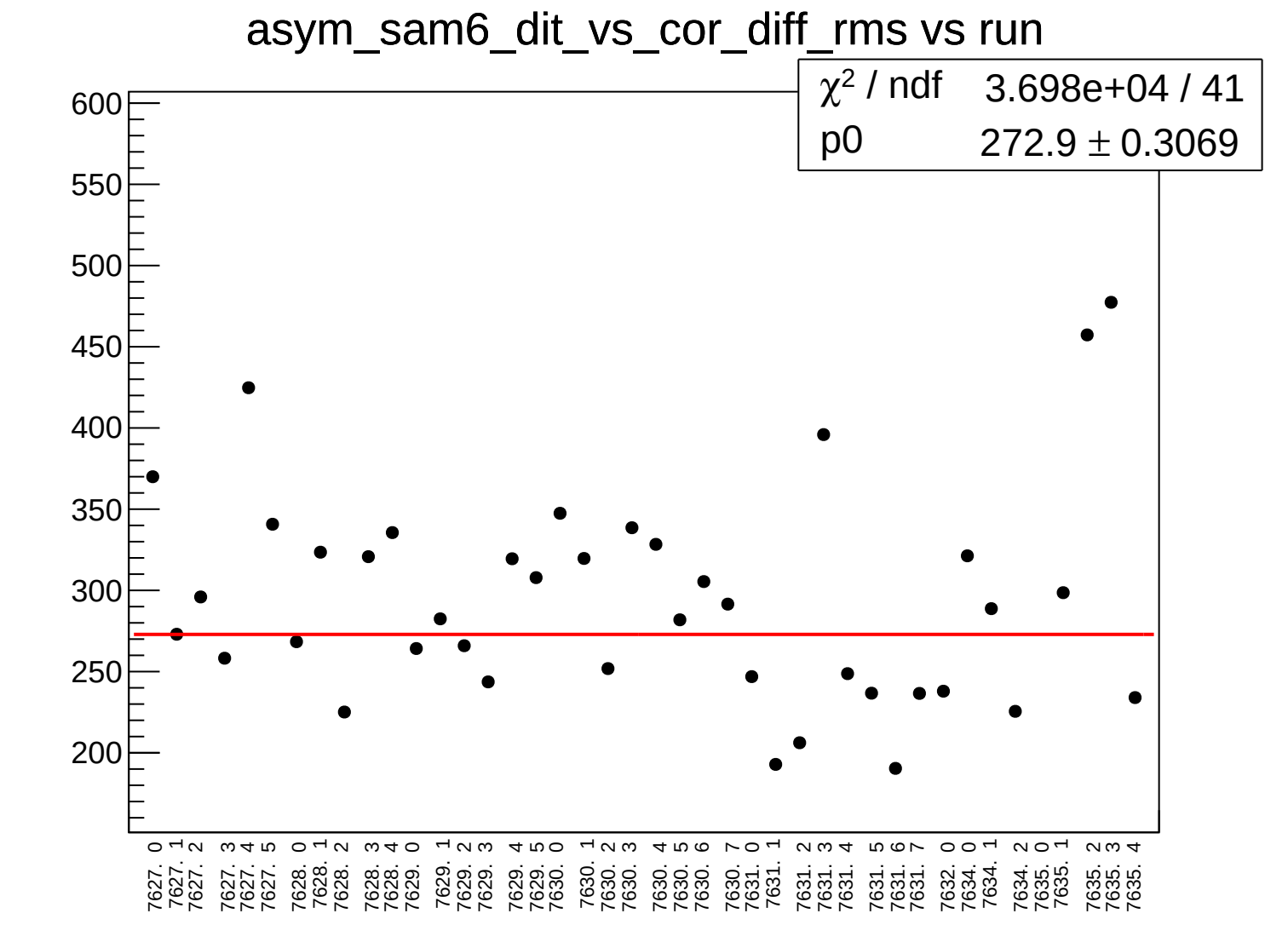

asym_sam6_rms vs run
χ² / ndf 2.729e+04 / 41
p0 9547 ± 10.67
14000
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

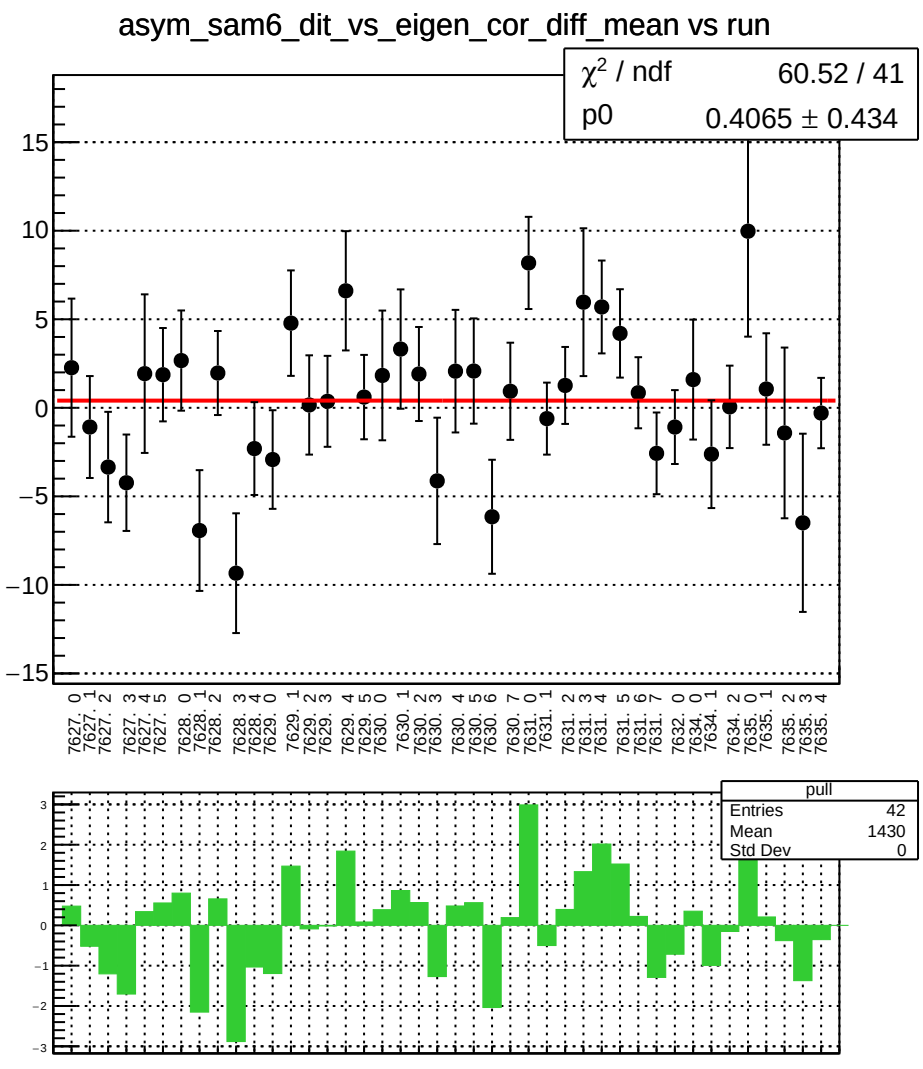

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 53.06 / 41
p0 1.123e−13 ± 7.072e−12
0.02
0.01
0
−0.01
−0.02
−0.03
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 4.957
Std Dev 0
2
1
0
−1
−2

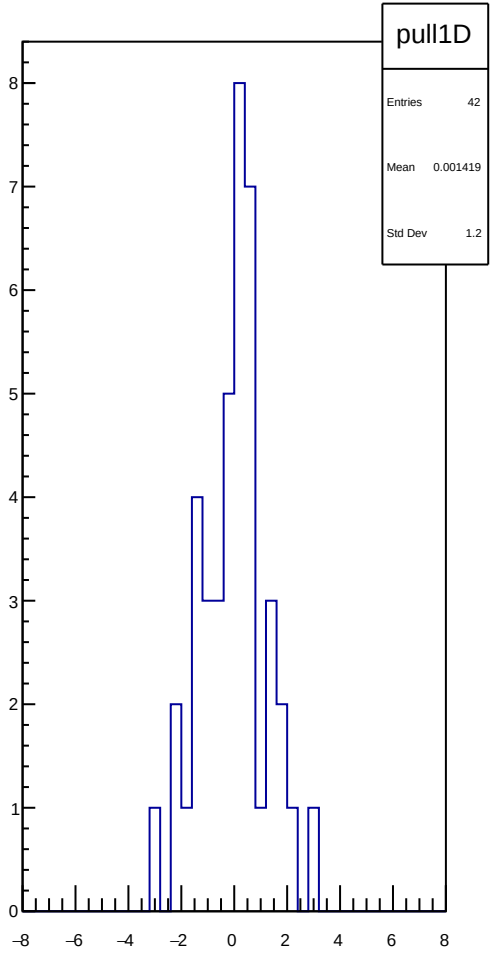

pull1D
Entries 42
Mean −0.1192
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

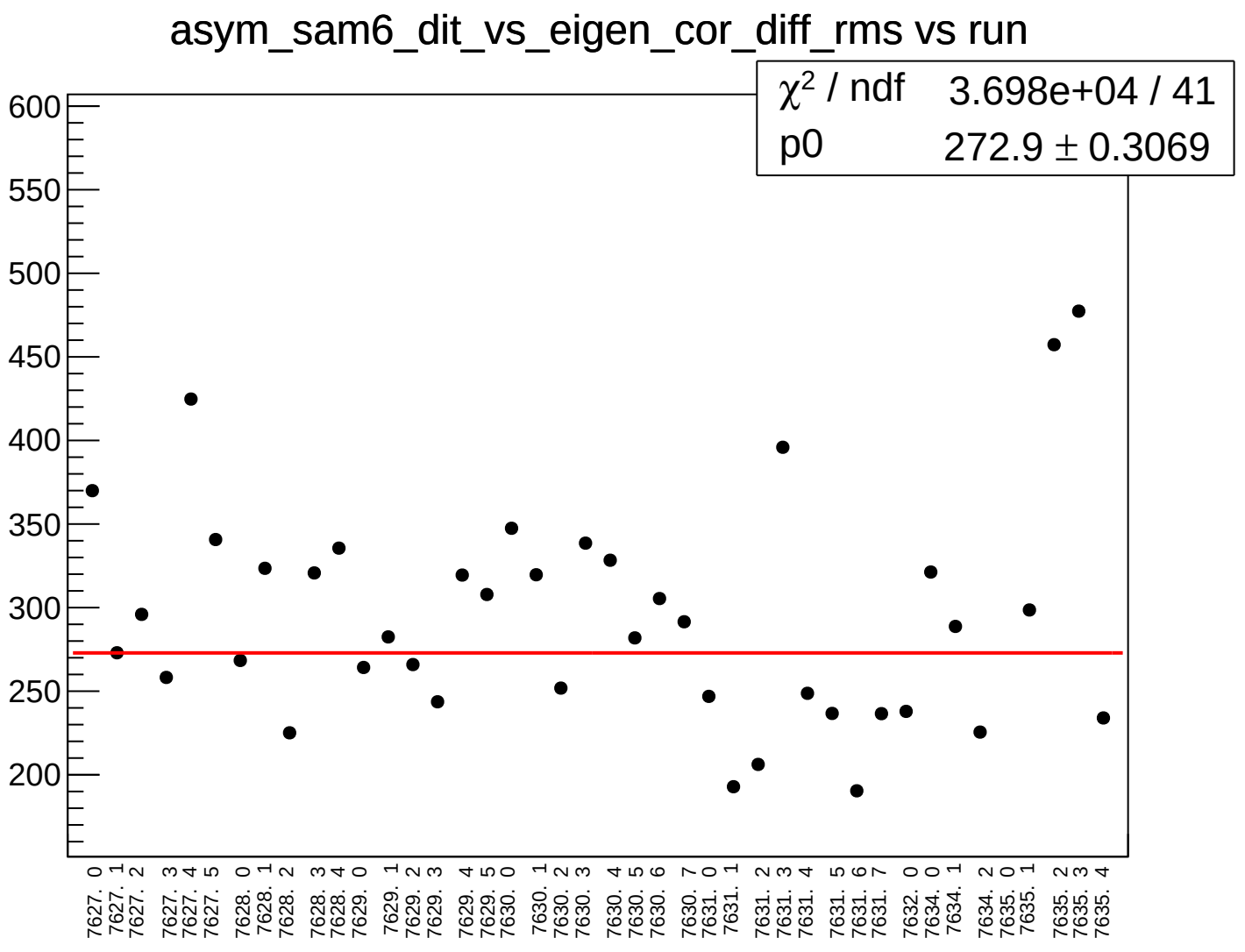

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 2.999e+05 / 41
p0 3.633e−09 ± 5e−12
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

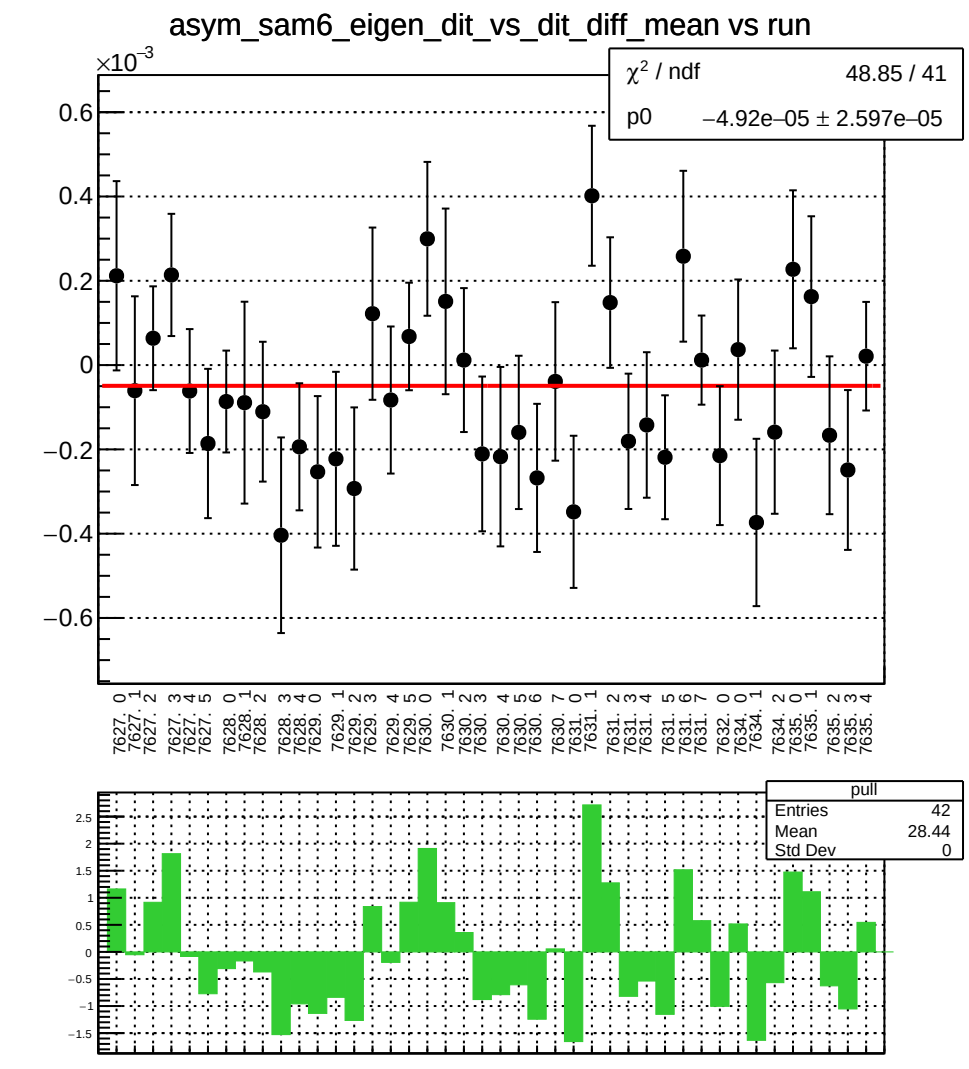

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 60.52 / 41
p0 0.4065 ± 0.434
pull
Entries 42
Mean 1430
Std Dev 0
pull1D
Entries 42
Mean 0.001419
Std Dev 1.2

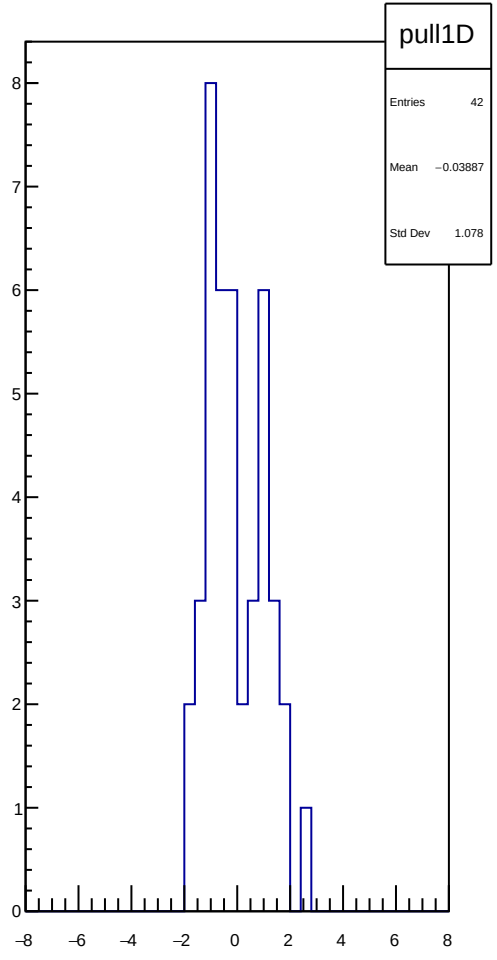

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 3.698e+04 / 41
p0 272.9 ± 0.3069
600
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

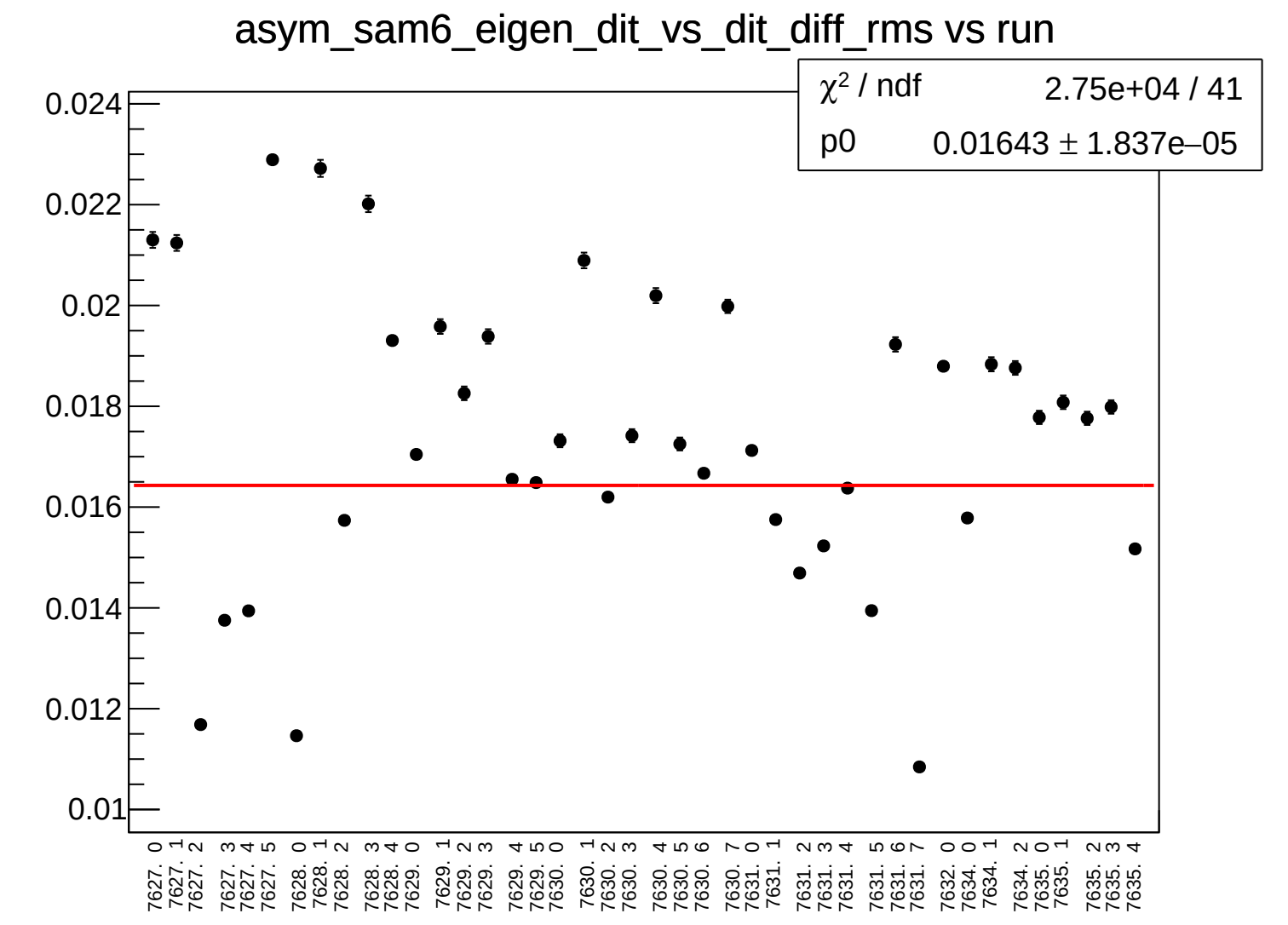

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.52 / 41
p0 0.4065 ± 0.434
15
10
5
0
−5
−10
−15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1430
Std Dev 0
3
2
1
0
−1
−2
−3

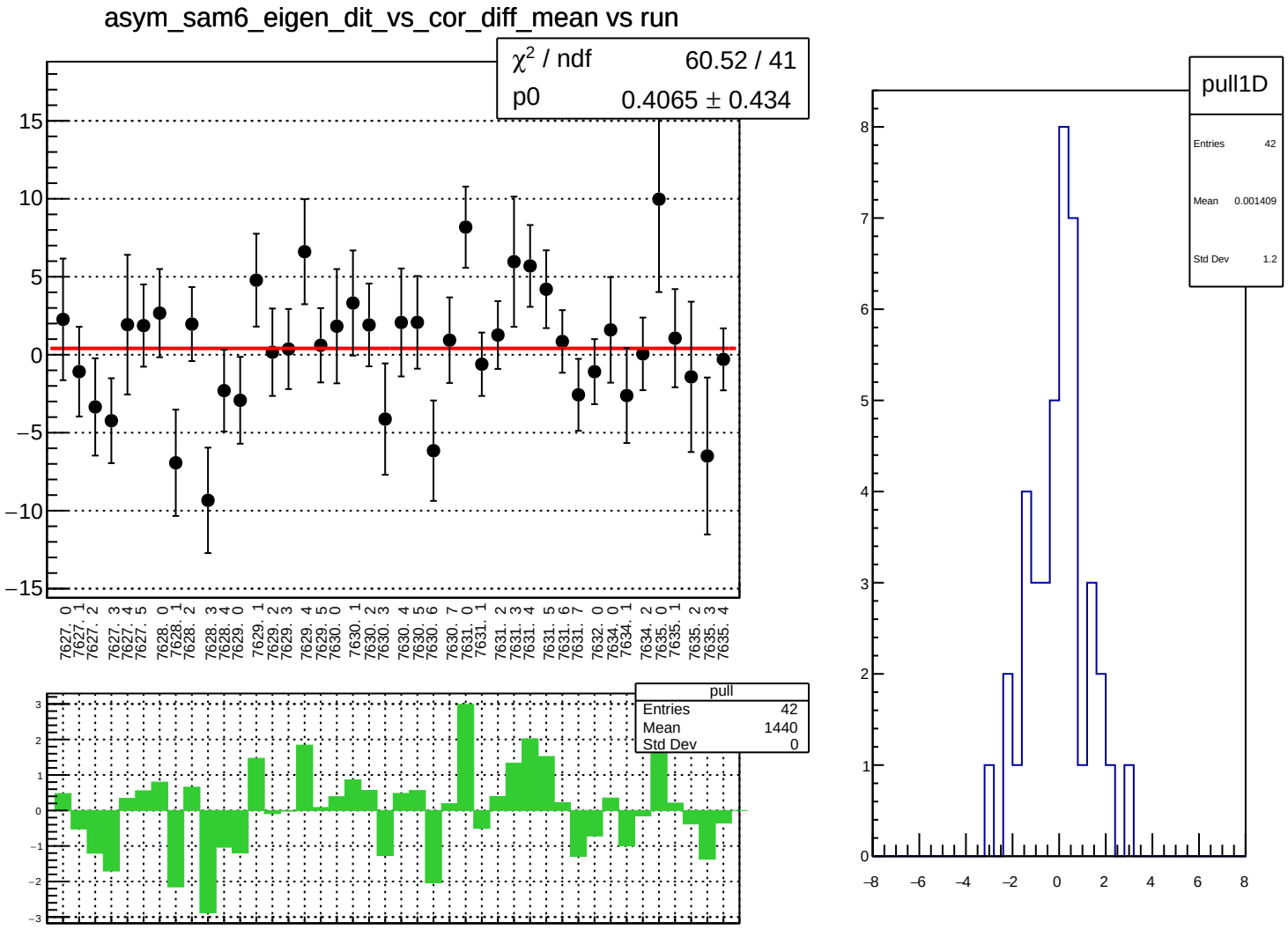

pull1D
Entries 42
Mean 0.001419
Std Dev 1.2
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

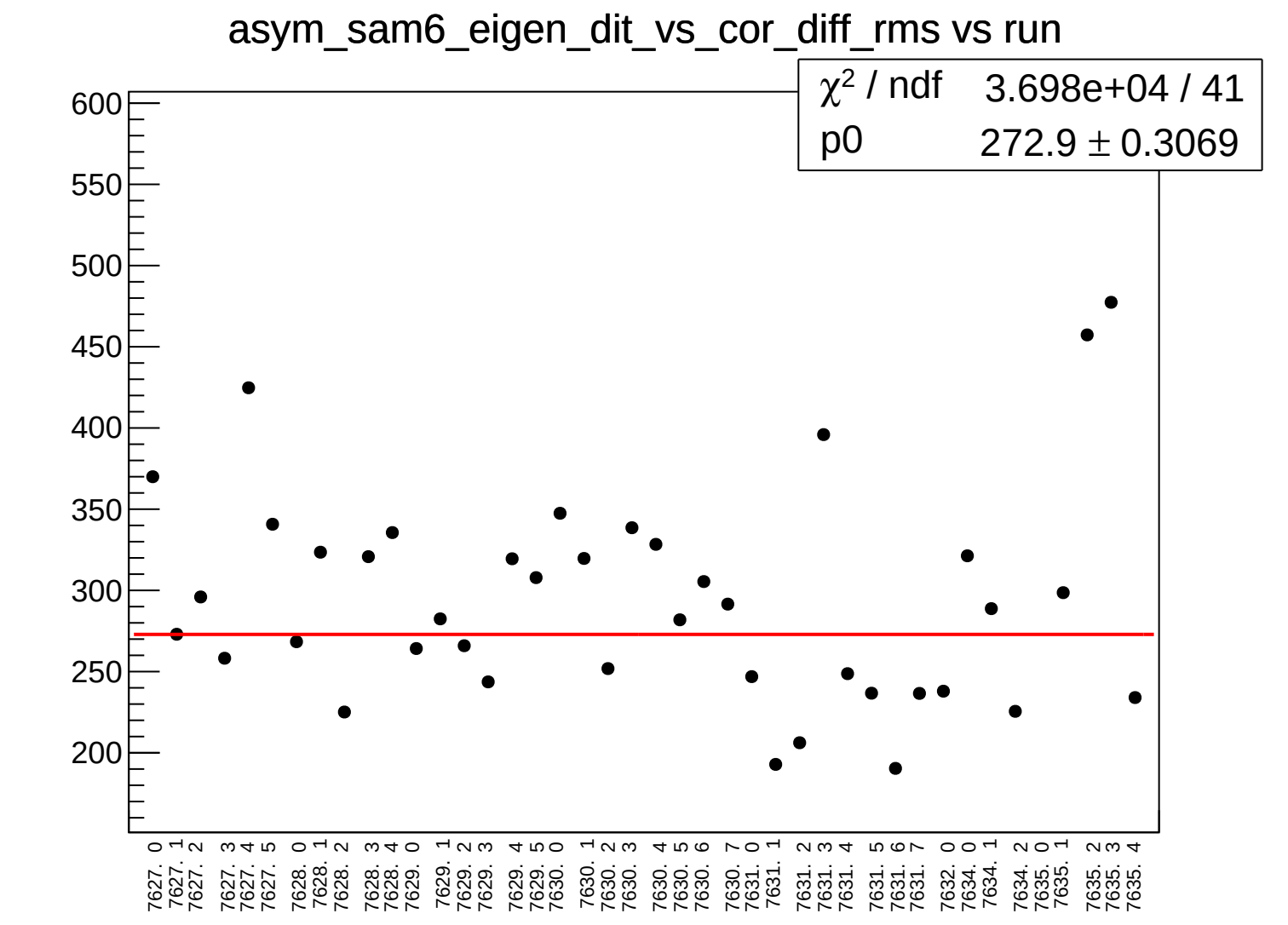

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.698e+04 / 41
p0 272.9 ± 0.3069
600
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

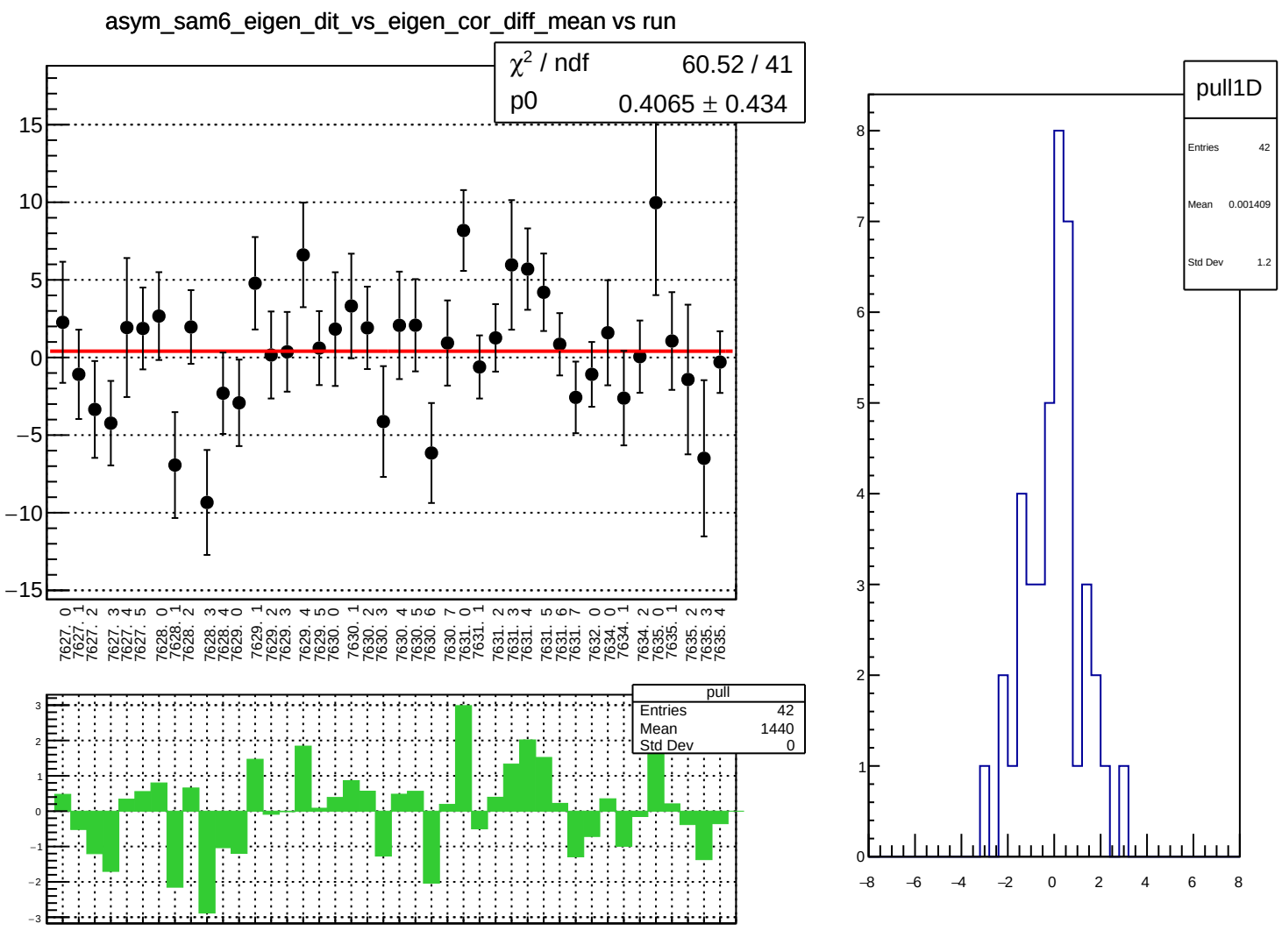

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.85 / 41
p0 −4.92e−05 ± 2.597e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 28.44
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

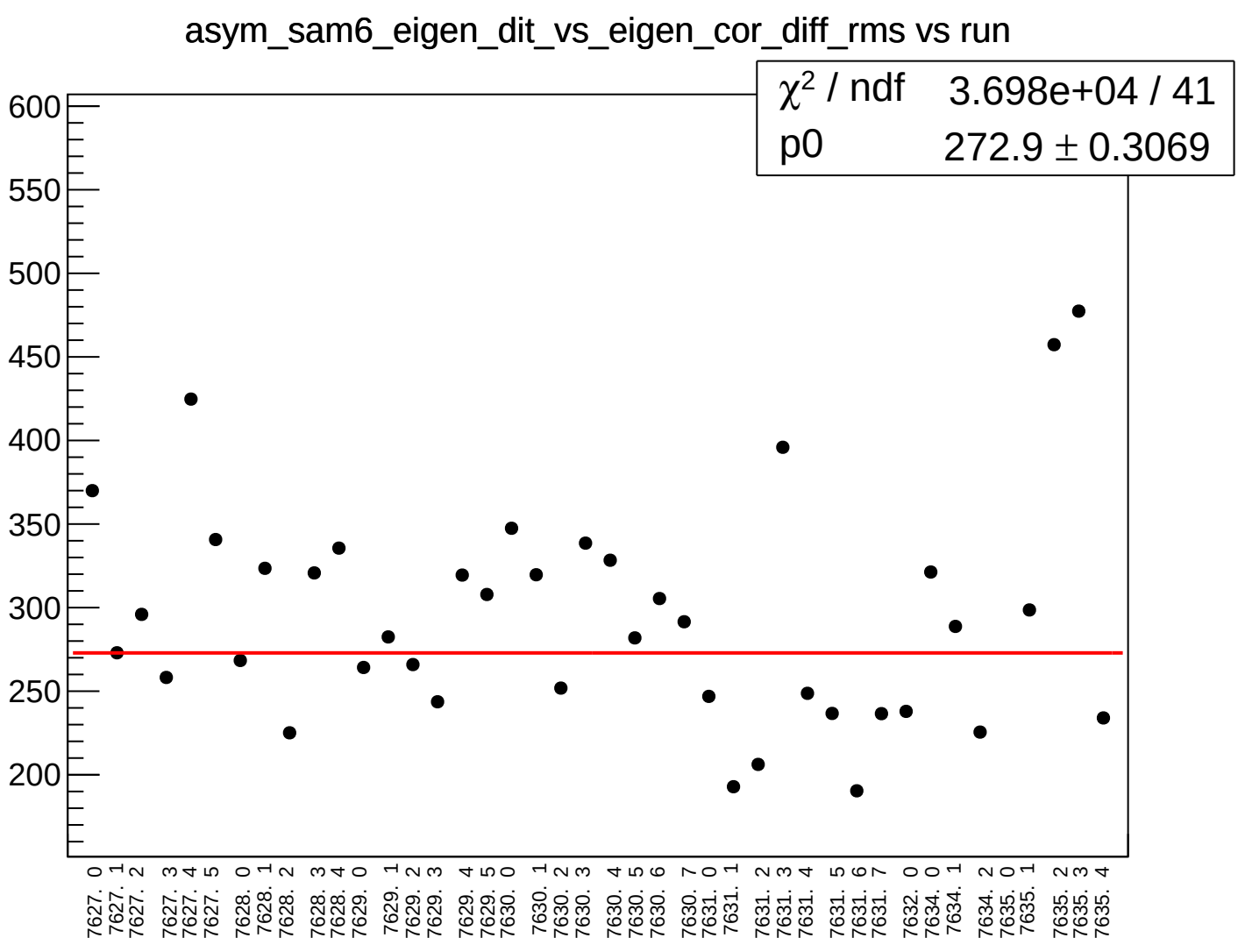

pull1D
Entries 42
Mean −0.03887
Std Dev 1.078
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.75e+04 / 41
p0 0.01643 ± 1.837e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.52 / 41
p0 0.4065 ± 0.434
pull
Entries 42
Mean 1440
Std Dev 0
pull1D
Entries 42
Mean 0.001409
Std Dev 1.2


asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.698e+04 / 41
p0 272.9 ± 0.3069
600
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.52 / 41
p0 0.4065 ± 0.434
pull
Entries 42
Mean 1440
Std Dev 0
pull1D
Entries 42
Mean 0.001409
Std Dev 1.2


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.698e+04 / 41
p0 272.9 ± 0.3069
600
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
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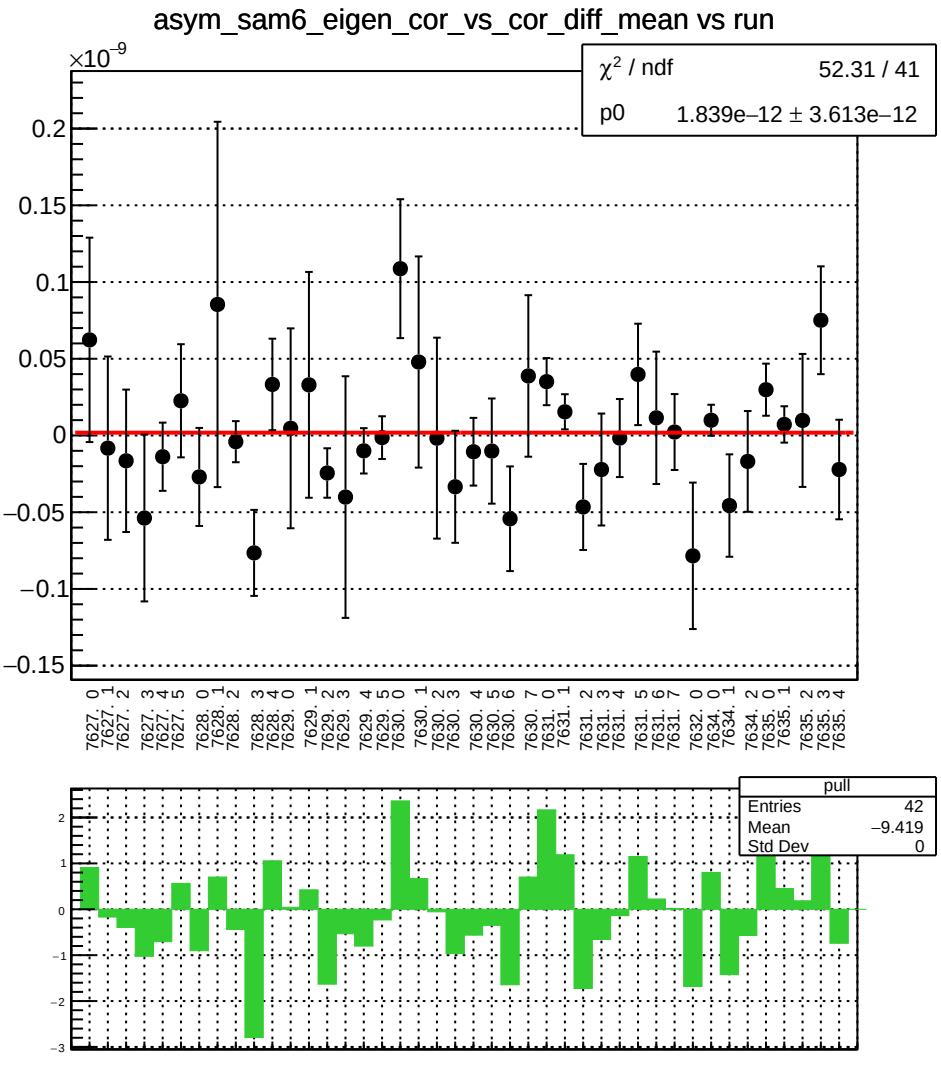
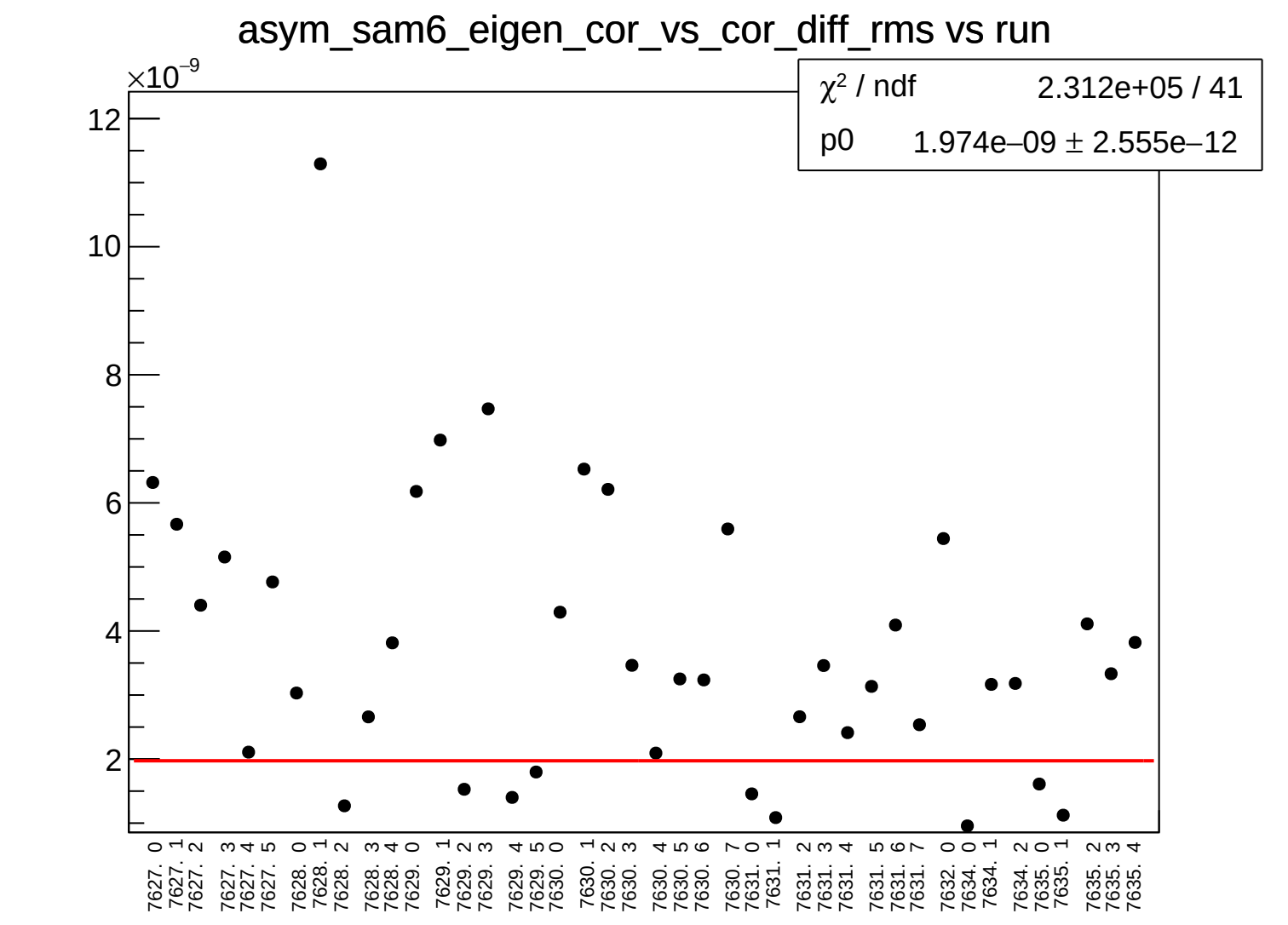
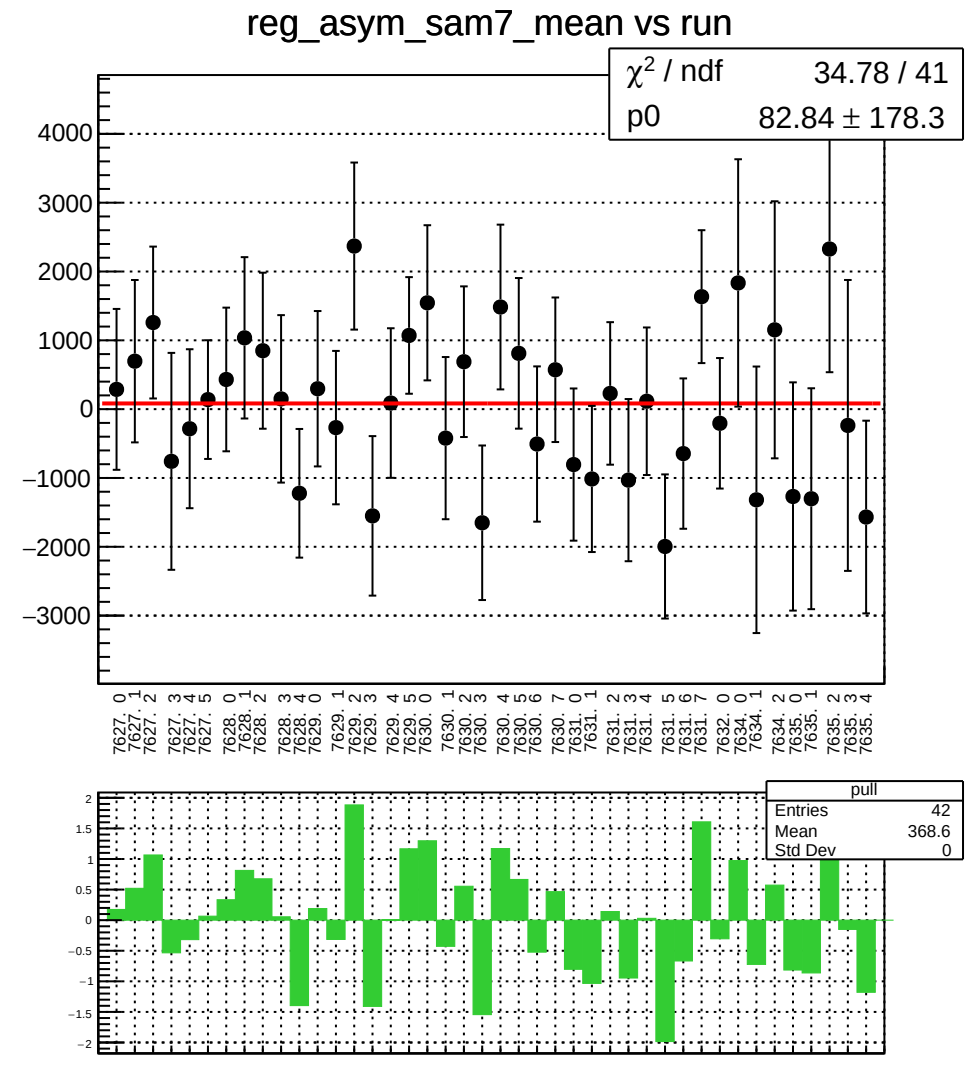
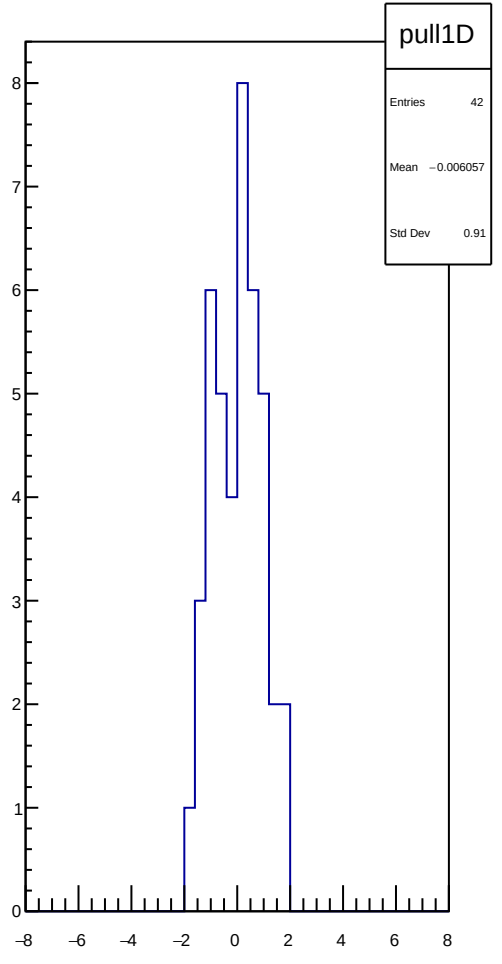
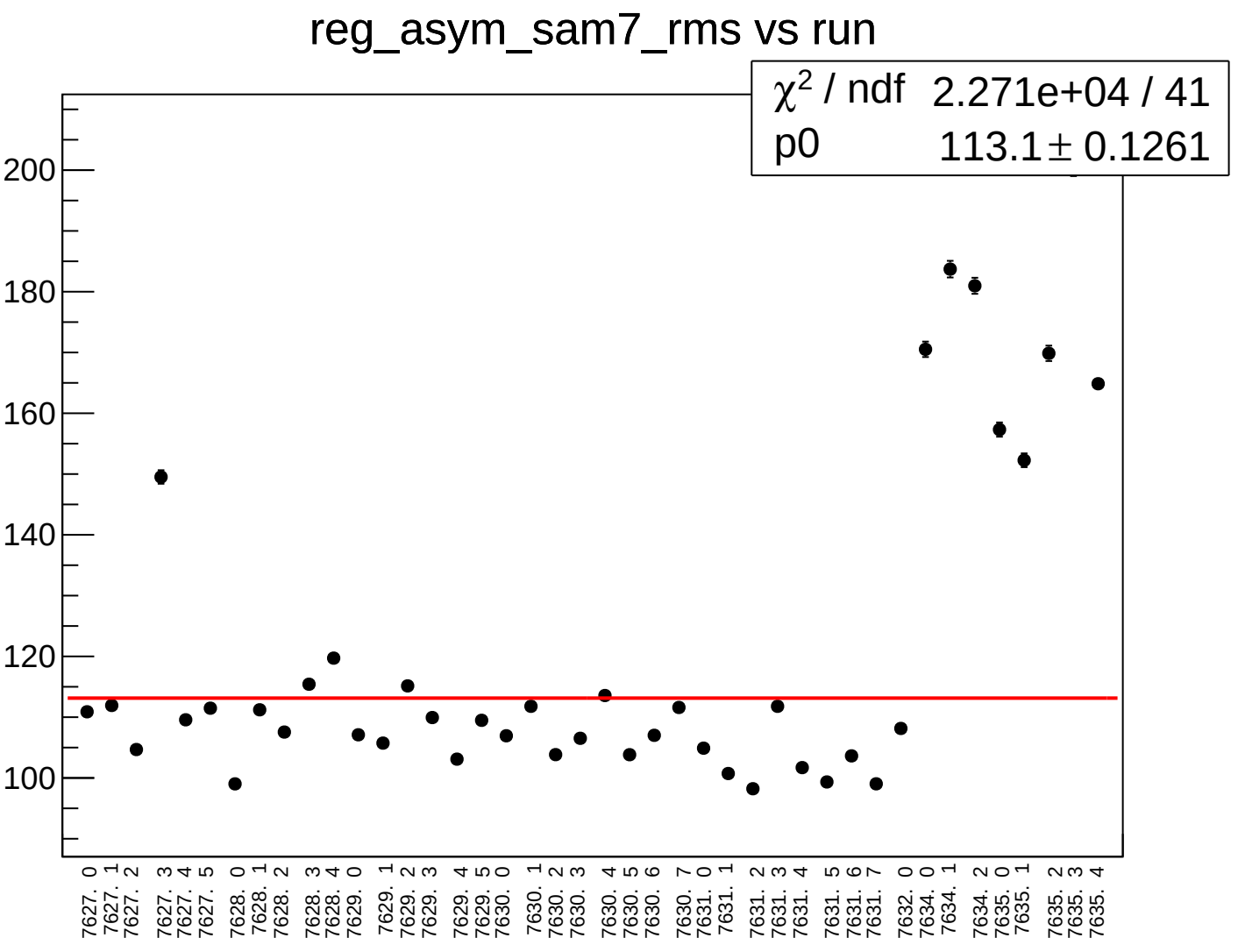
7635. 3
7635. 4

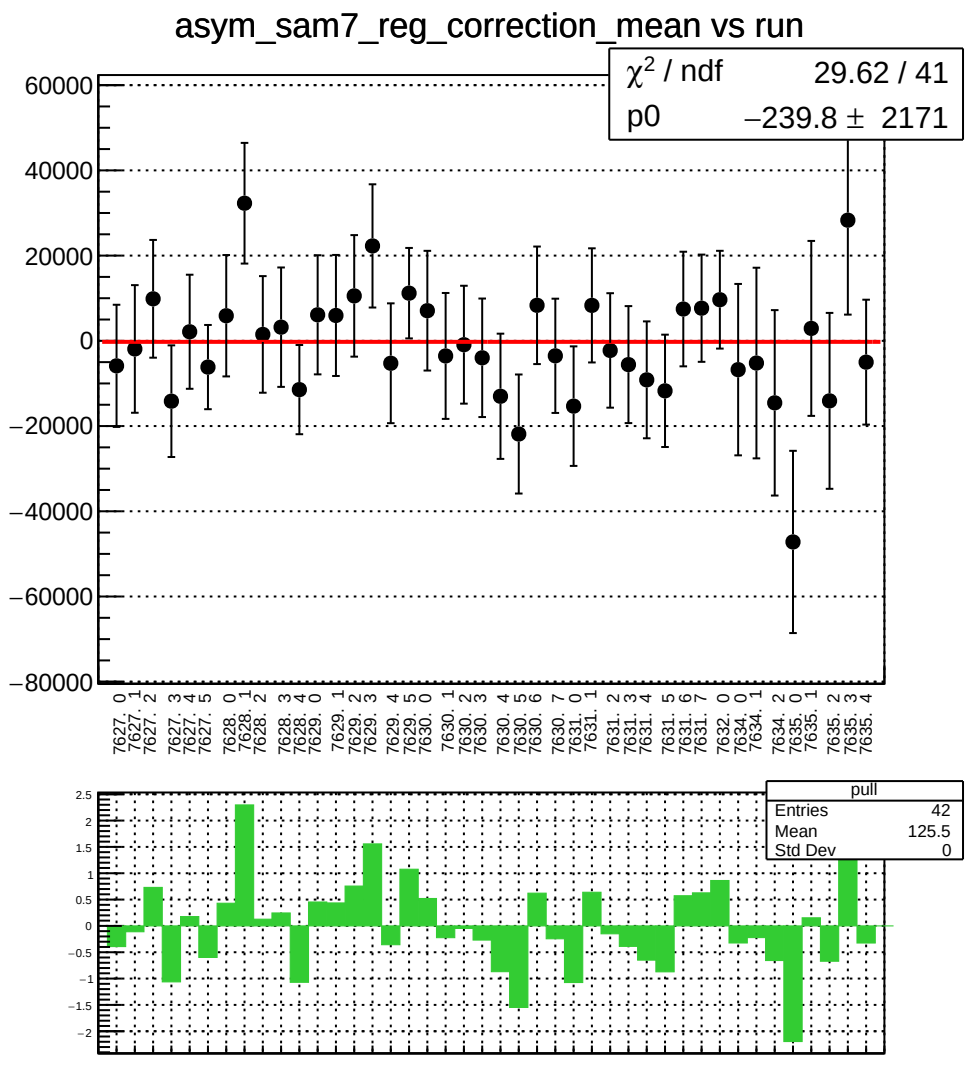

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 52.31 / 41
p0 1.839e−12 ± 3.613e−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.419
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.06659
Std Dev 1.114
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

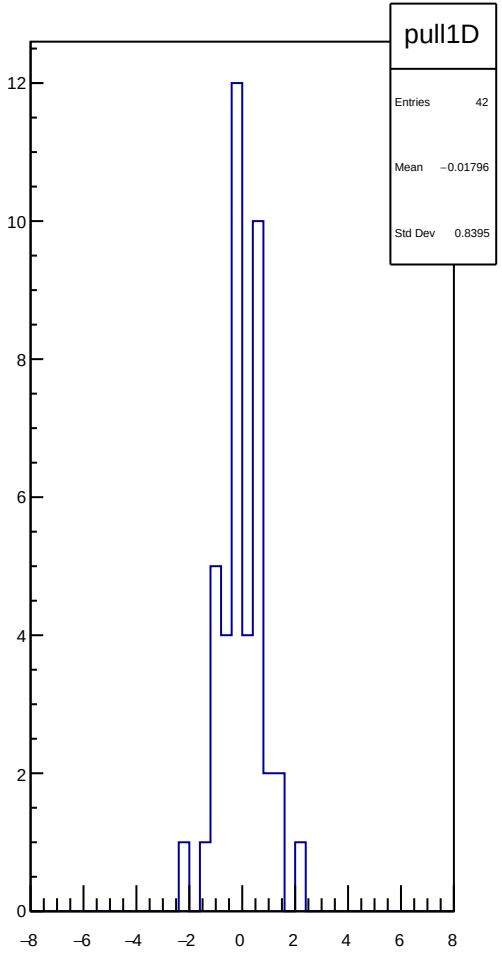

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.312e+05 / 41
p0 1.974e−09 ± 2.555e−12
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

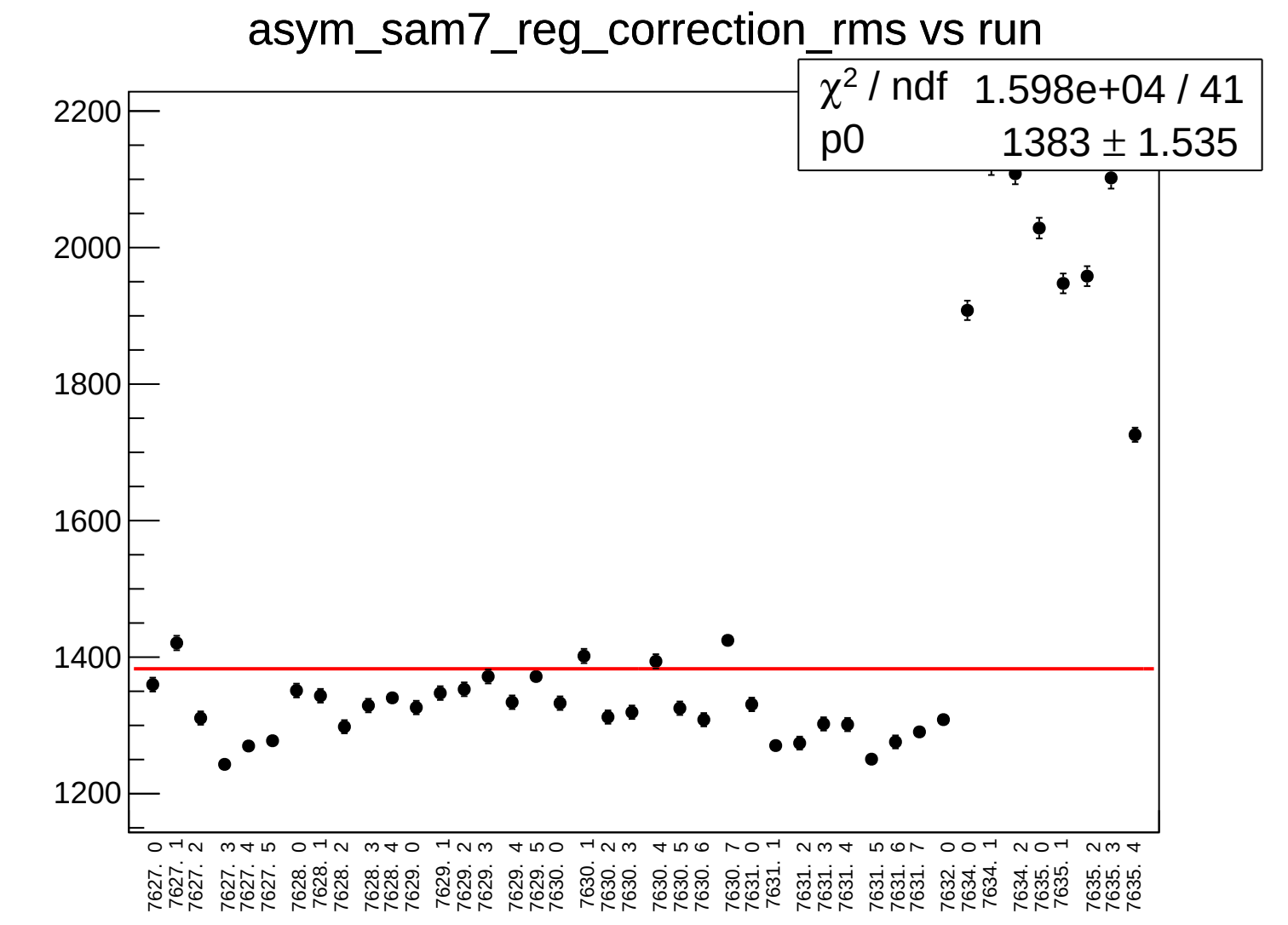

reg_asym_sam7_mean vs run
χ² / ndf 34.78 / 41
p0 82.84 ± 178.3
4000
3000
2000
1000
0
−1000
−2000
−3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 368.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

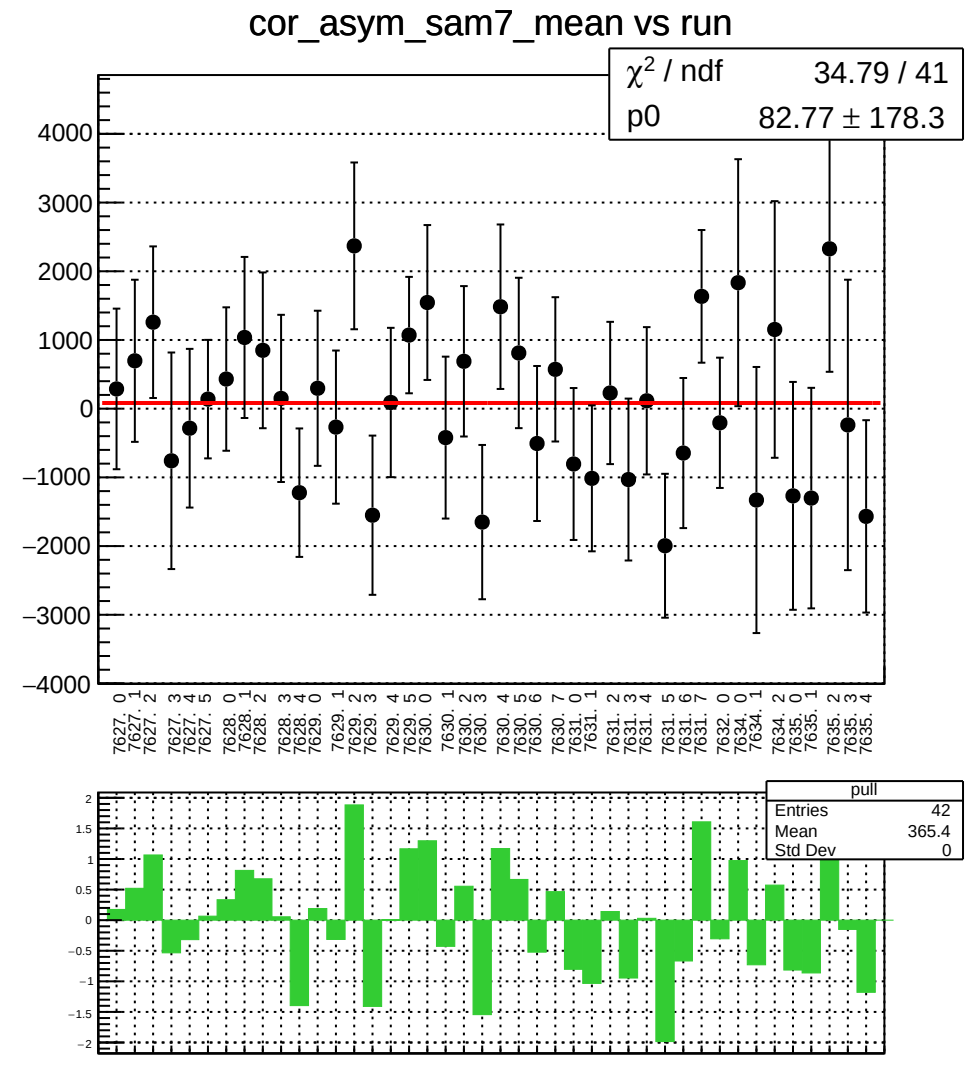

pull1D
Entries 42
Mean −0.006057
Std Dev 0.91
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

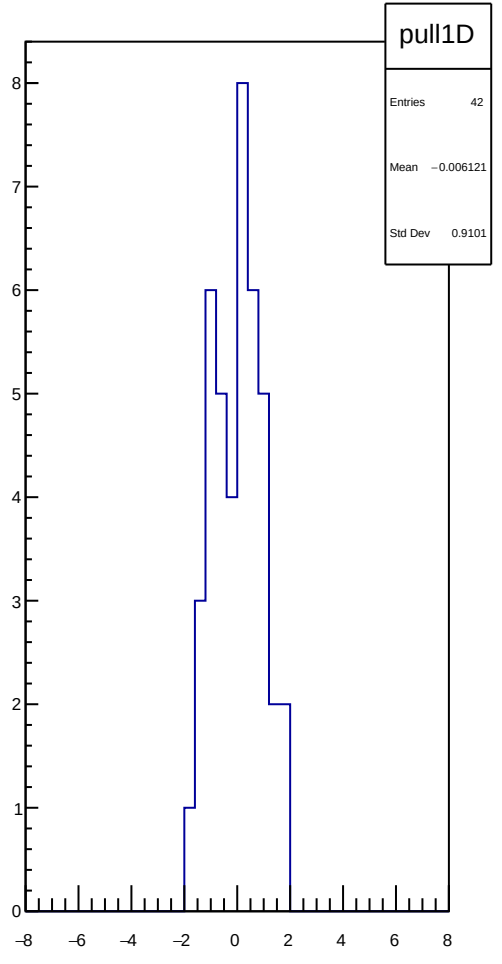

reg_asym_sam7_rms vs run
χ² / ndf 2.271e+04 / 41
p0 113.1 ± 0.1261
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

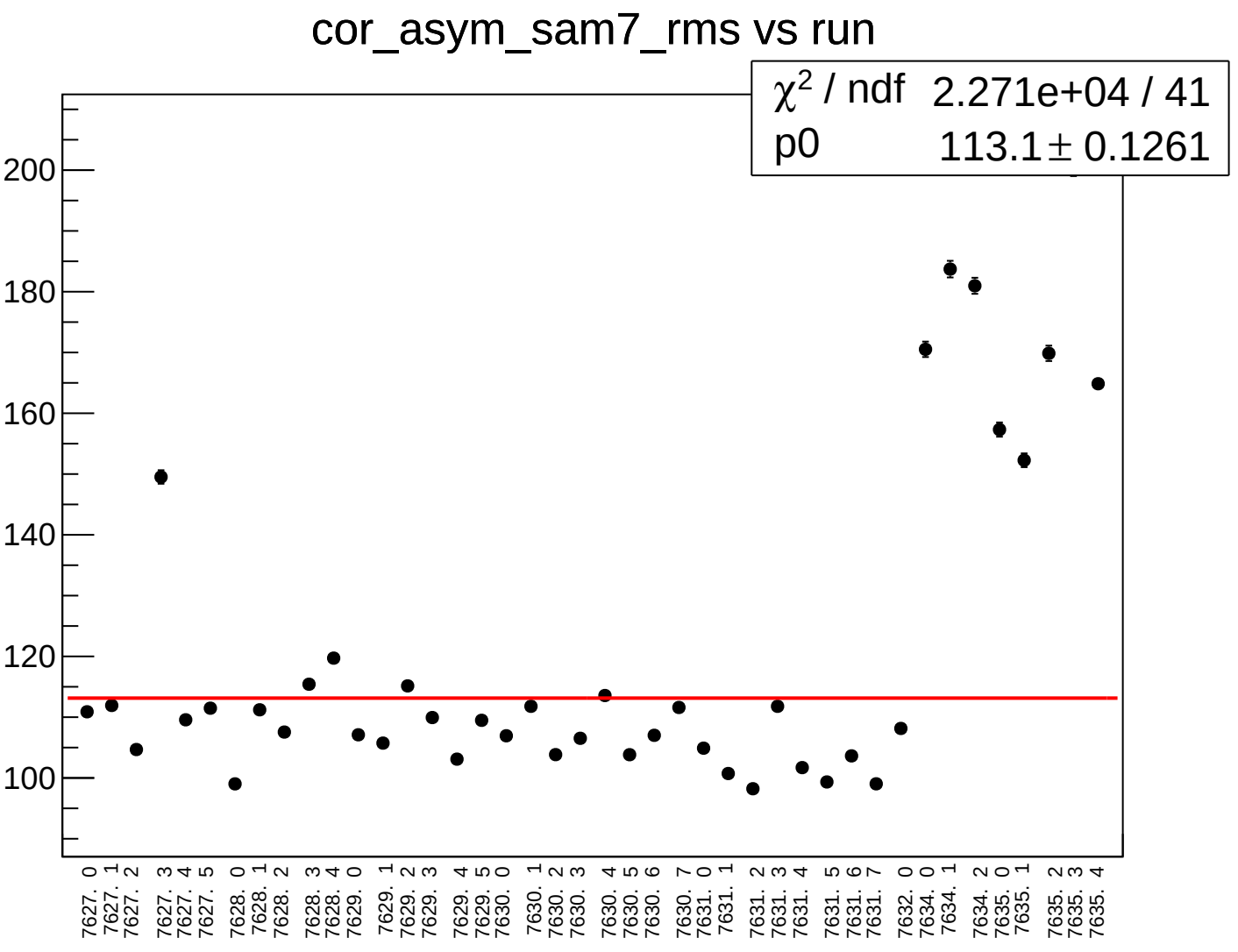

asym_sam7_reg_correction_mean vs run
χ² / ndf 29.62 / 41
p0 −239.8 ± 2171
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 125.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

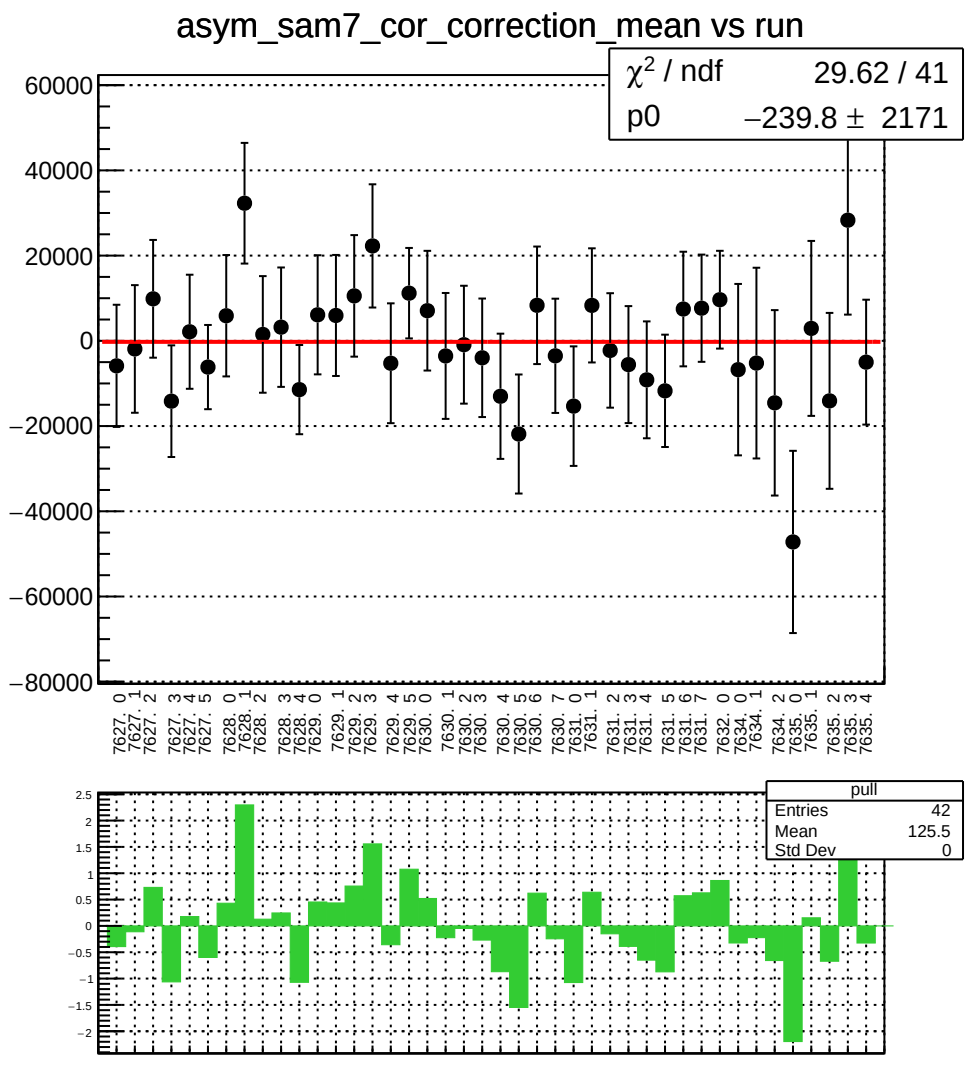

pull1D
Entries 42
Mean −0.01796
Std Dev 0.8395
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

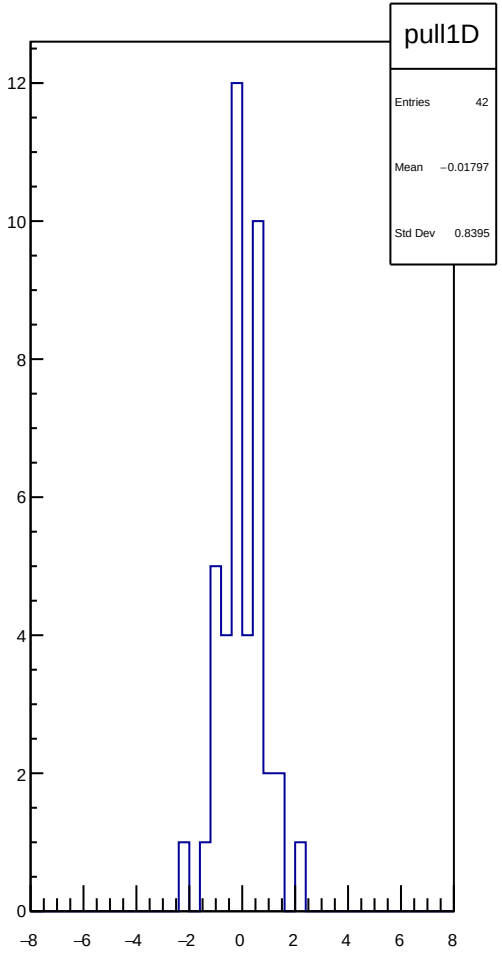

asym_sam7_reg_correction_rms vs run
χ² / ndf 1.598e+04 / 41
p0 1383 ± 1.535
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

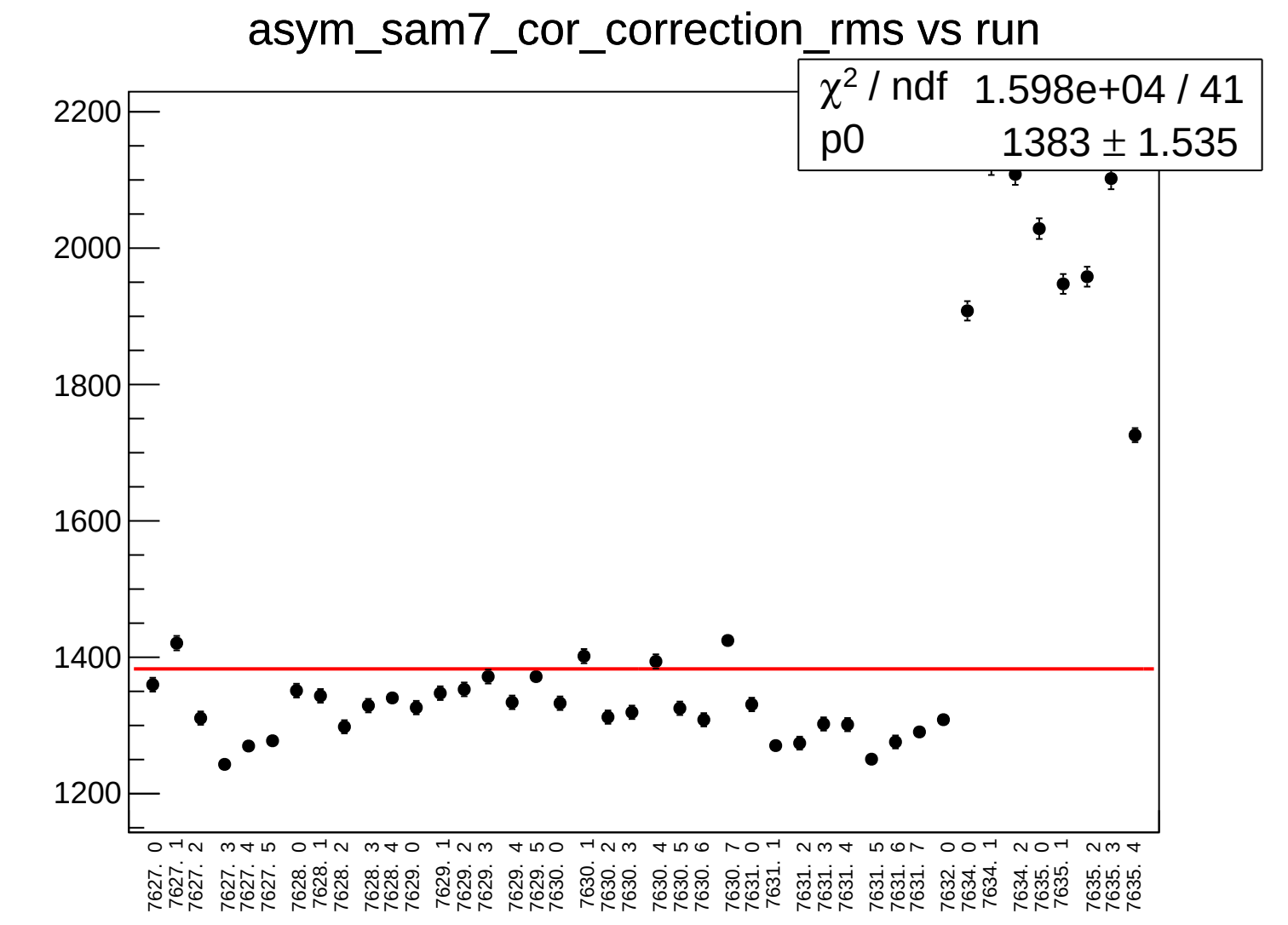

cor_asym_sam7_mean vs run
χ² / ndf 34.79 / 41
p0 82.77 ± 178.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 365.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.006121
Std Dev 0.9101
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam7_rms vs run
χ² / ndf 2.271e+04 / 41
p0 113.1 ± 0.1261
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam7_cor_correction_mean vs run
χ² / ndf 29.62 / 41
p0 −239.8 ± 2171
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 125.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.01797
Std Dev 0.8395
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_cor_correction_rms vs run
χ² / ndf 1.598e+04 / 41
p0 1383 ± 1.535
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
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7630. 0
7630. 1
7630. 2
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7630. 4
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7630. 6
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7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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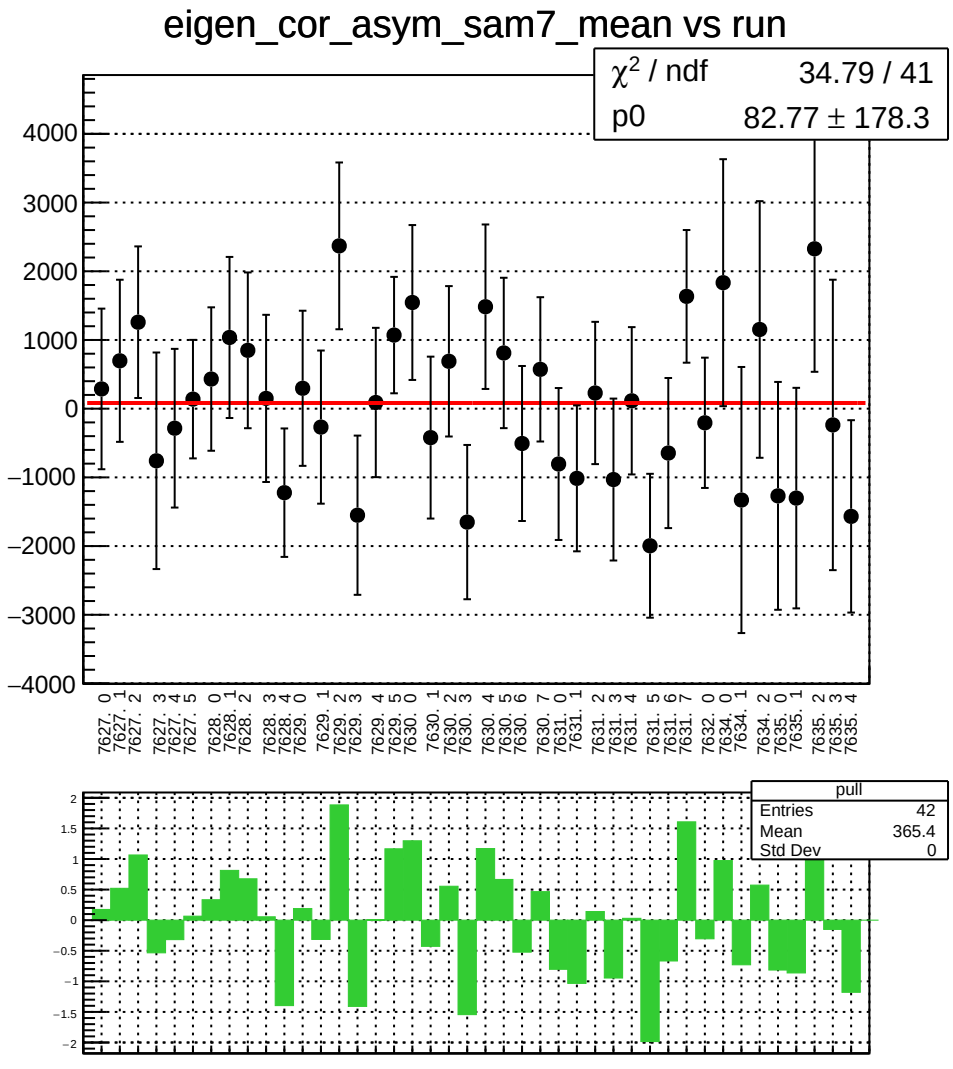
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam7_mean vs run
χ² / ndf 34.79 / 41
p0 82.77 ± 178.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
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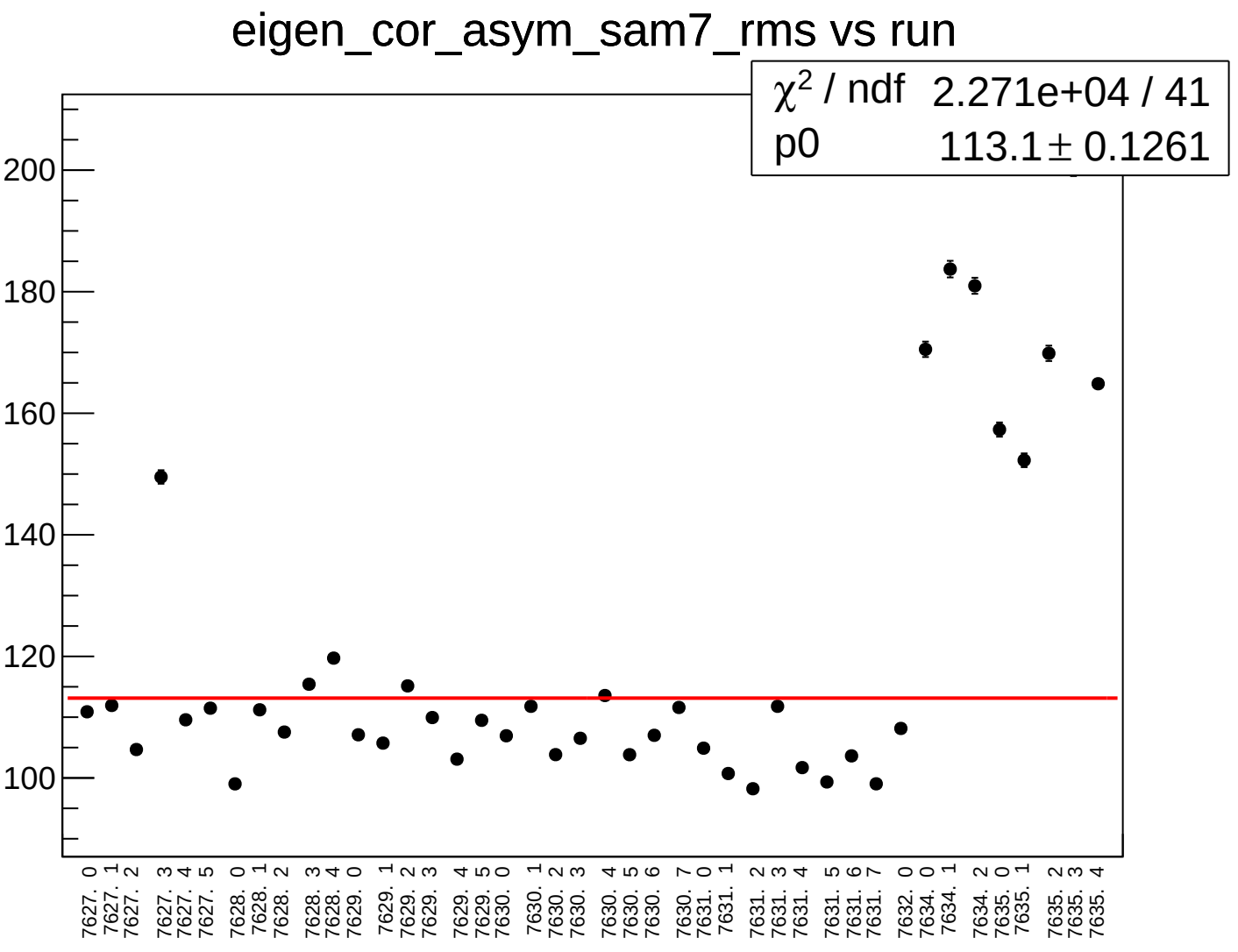
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 365.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.006121
Std Dev 0.9101
8
7
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 2.271e+04 / 41
p0 113.1 ± 0.1261
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
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7630. 1
7630. 2
7630. 3
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7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
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7631. 4
7631. 5
7631. 6
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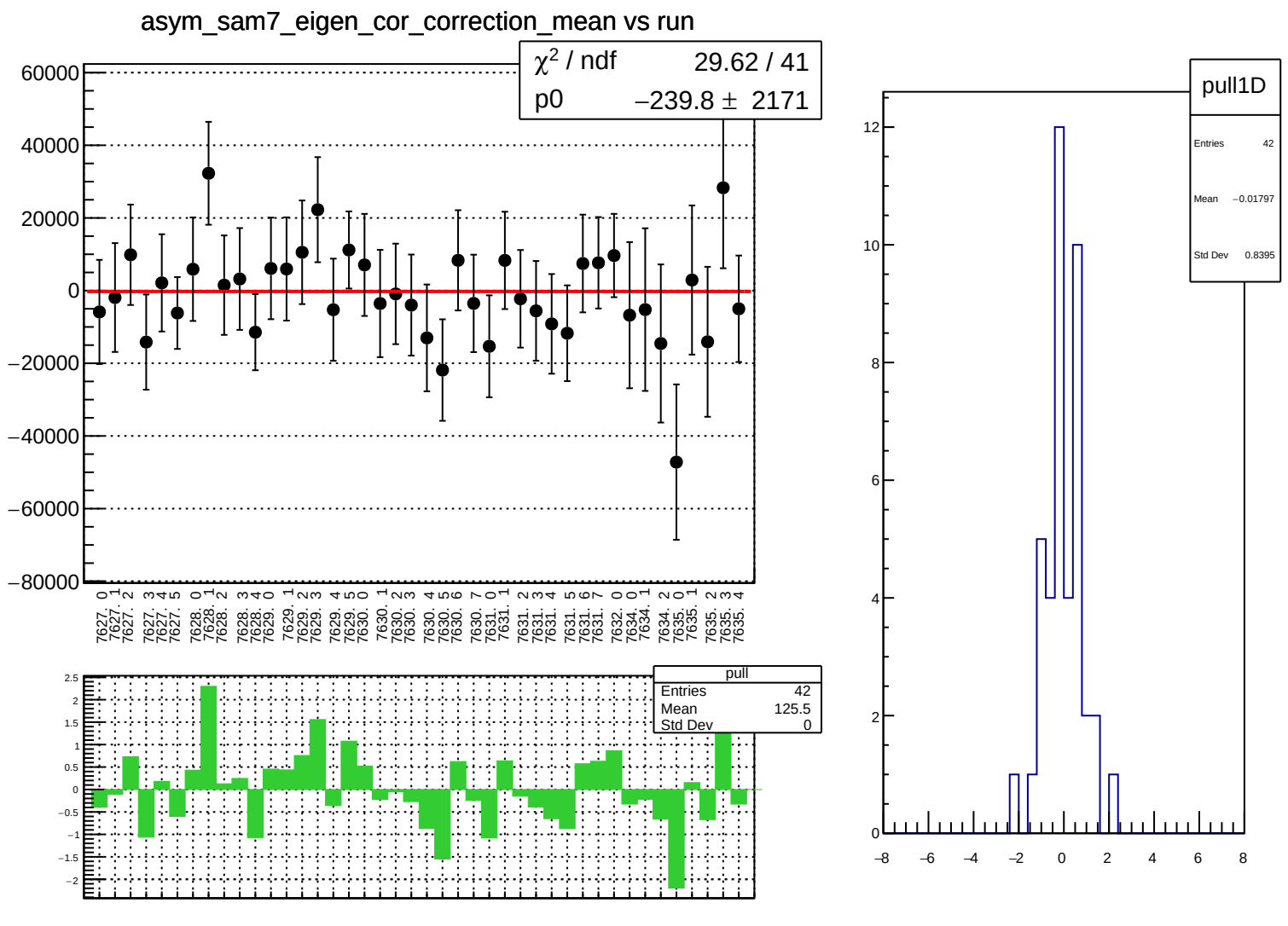
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 29.62 / 41
p0 −239.8 ± 2171
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
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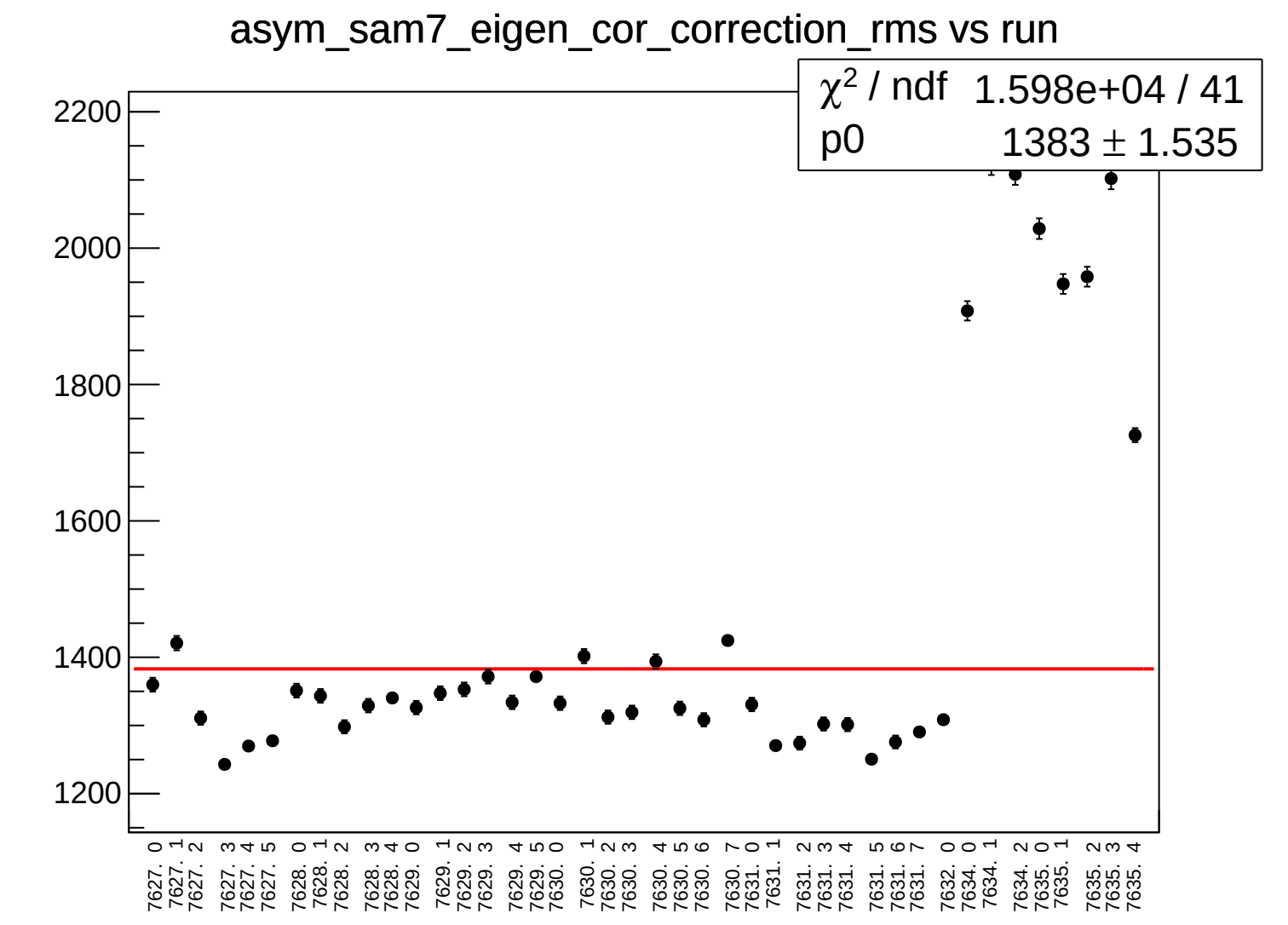
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 125.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01797
Std Dev 0.8395
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 1.598e+04 / 41
p0 1383 ± 1.535
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
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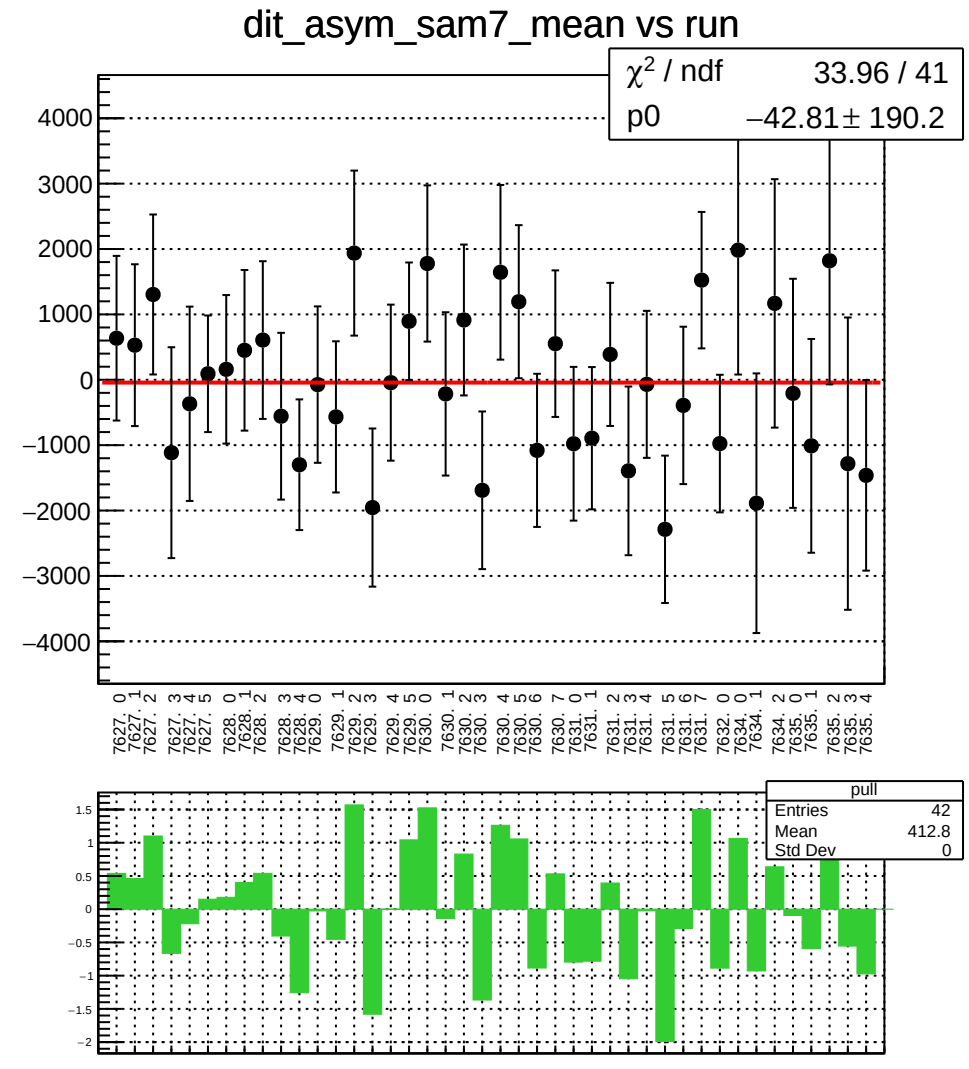
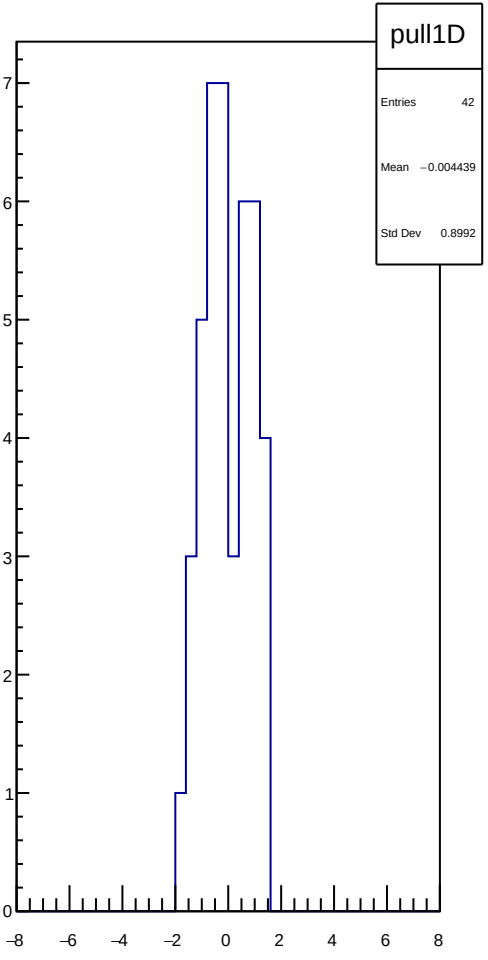
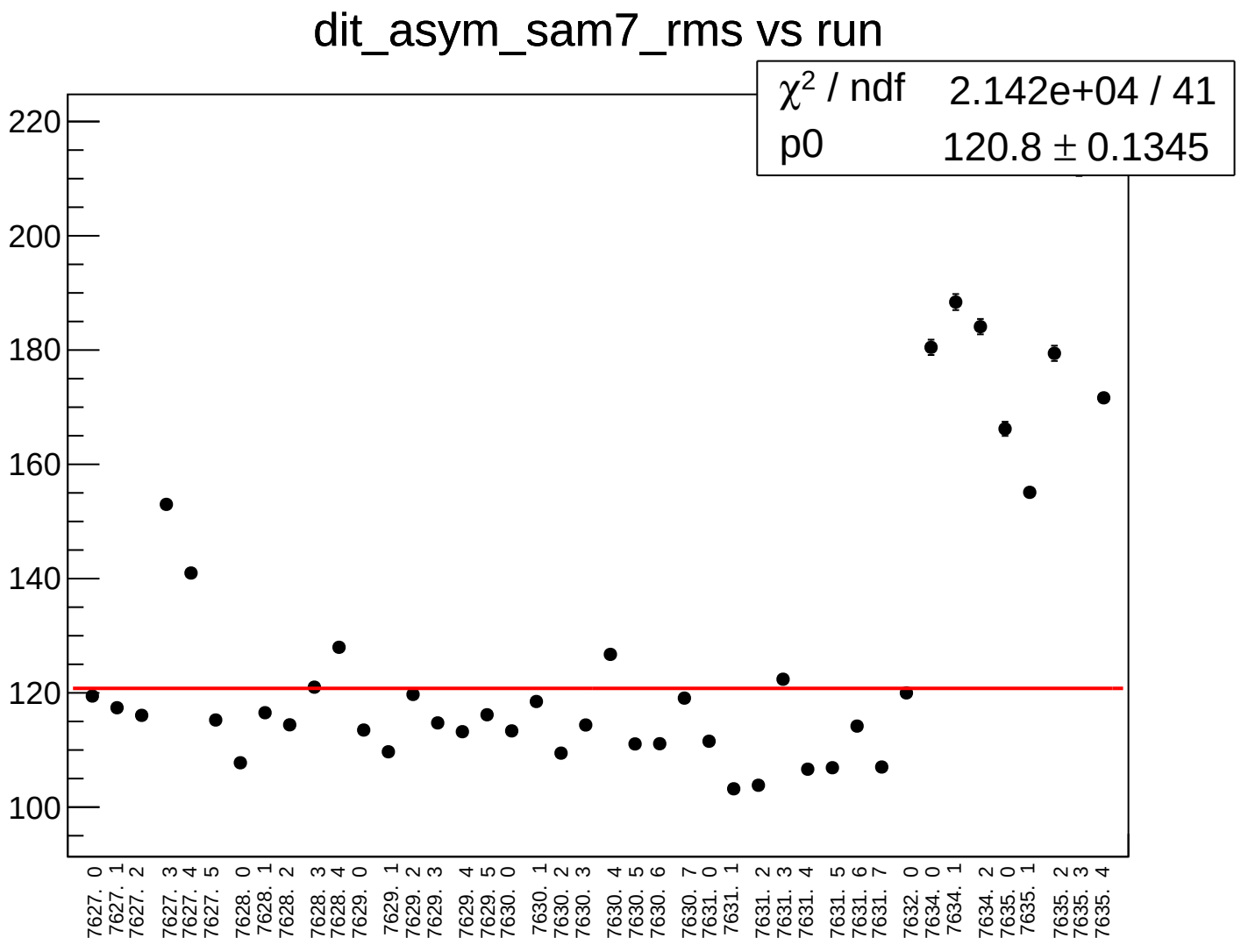
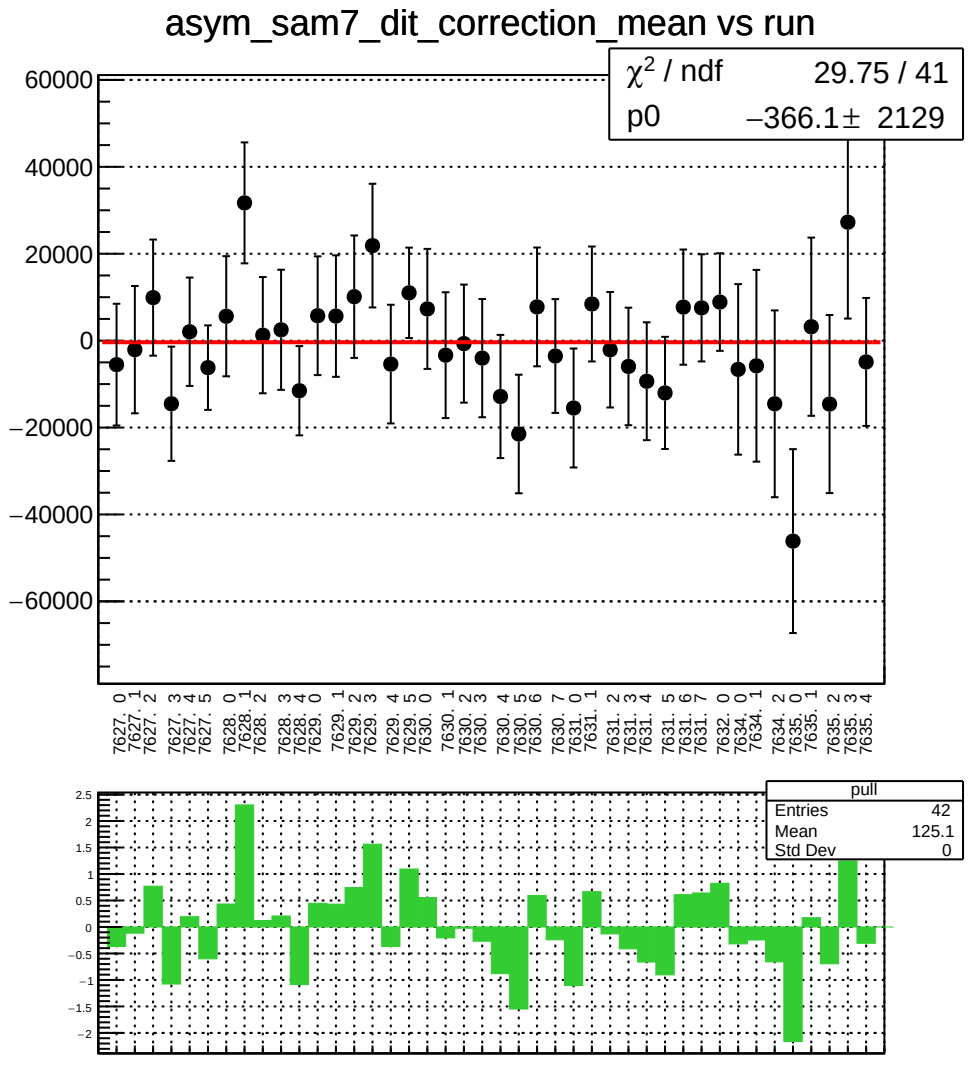
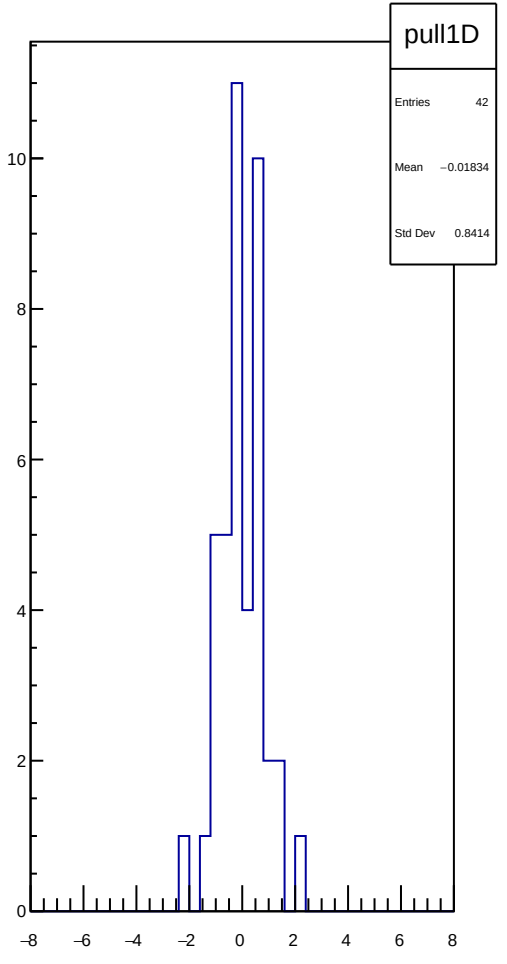
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

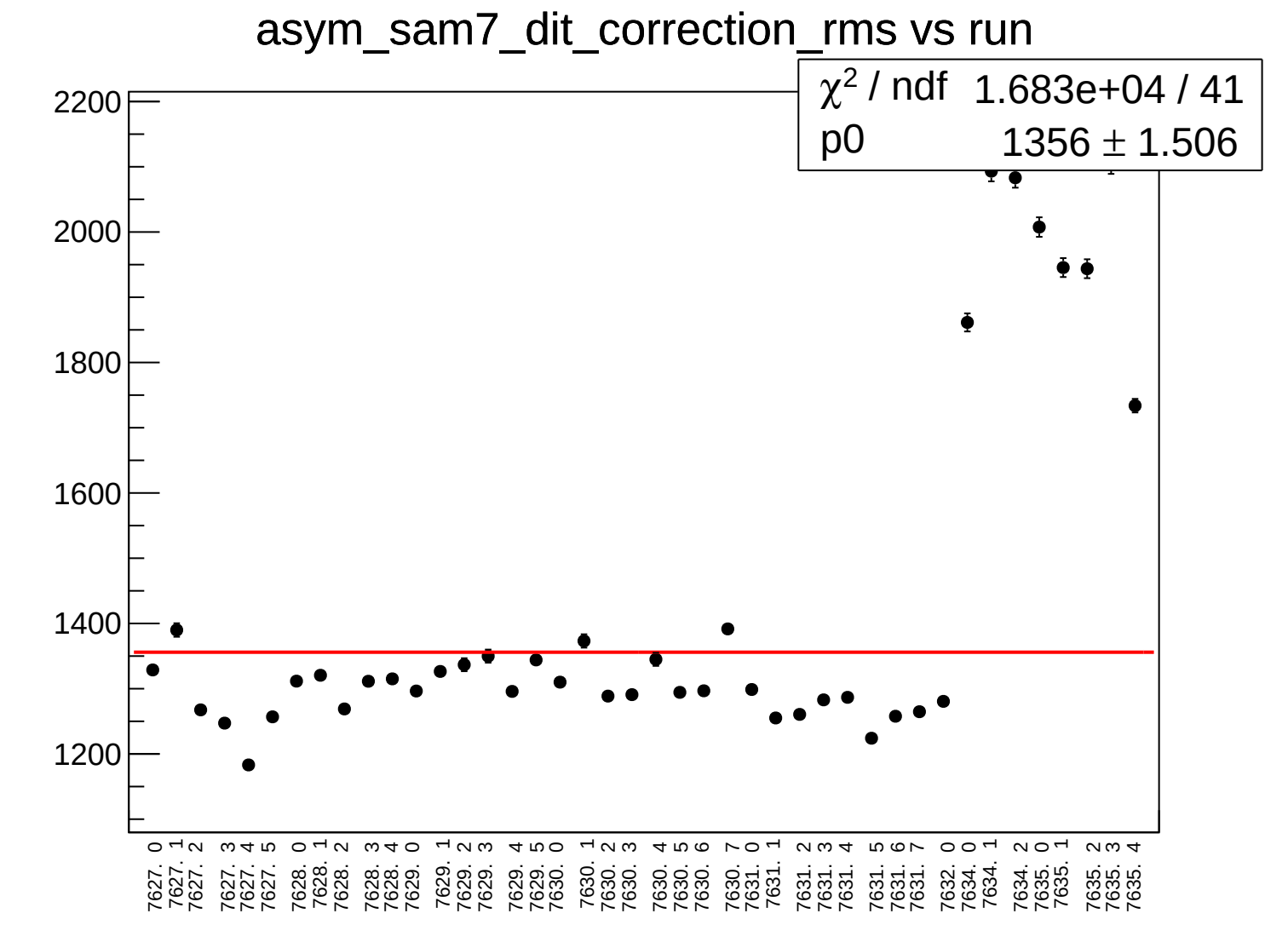

dit_asym_sam7_mean vs run
χ² / ndf 33.96 / 41
p0 −42.81 ± 190.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 412.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

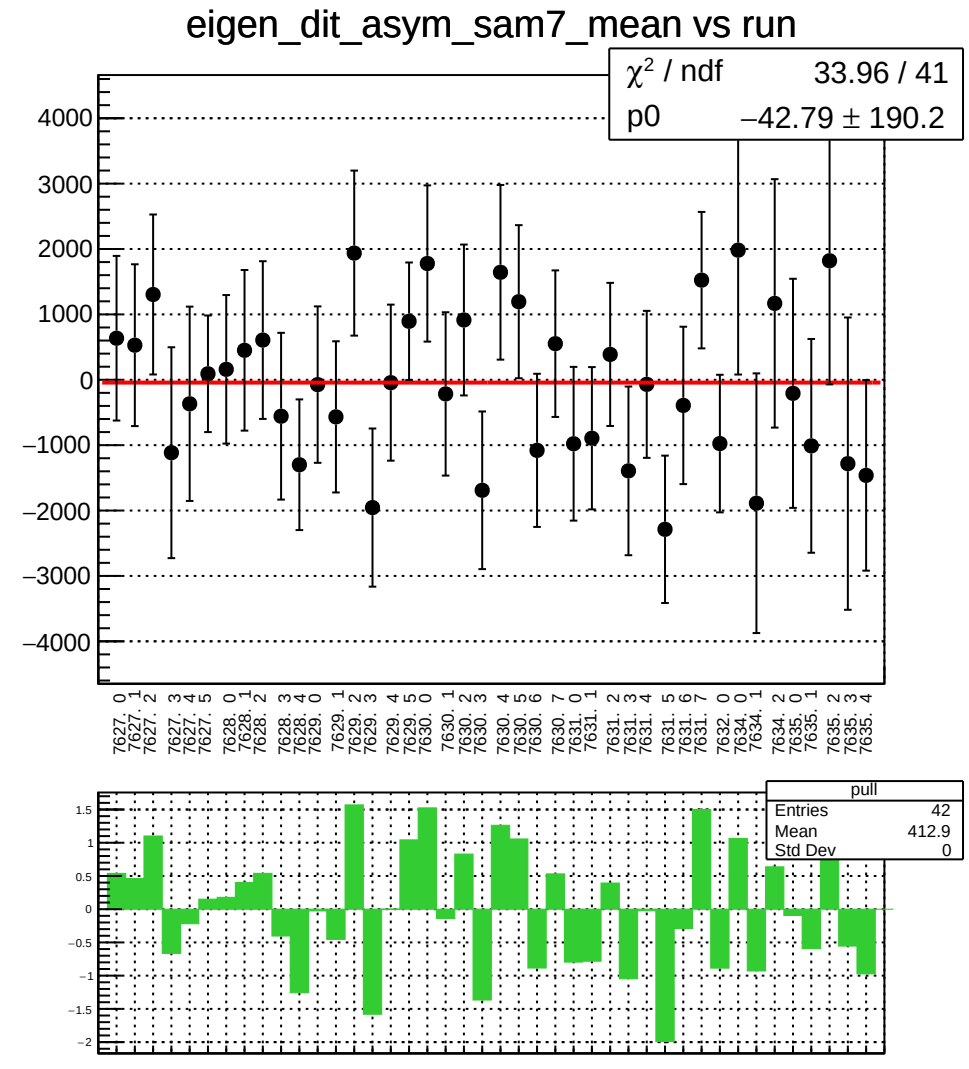

pull1D
Entries 42
Mean −0.004439
Std Dev 0.8992
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

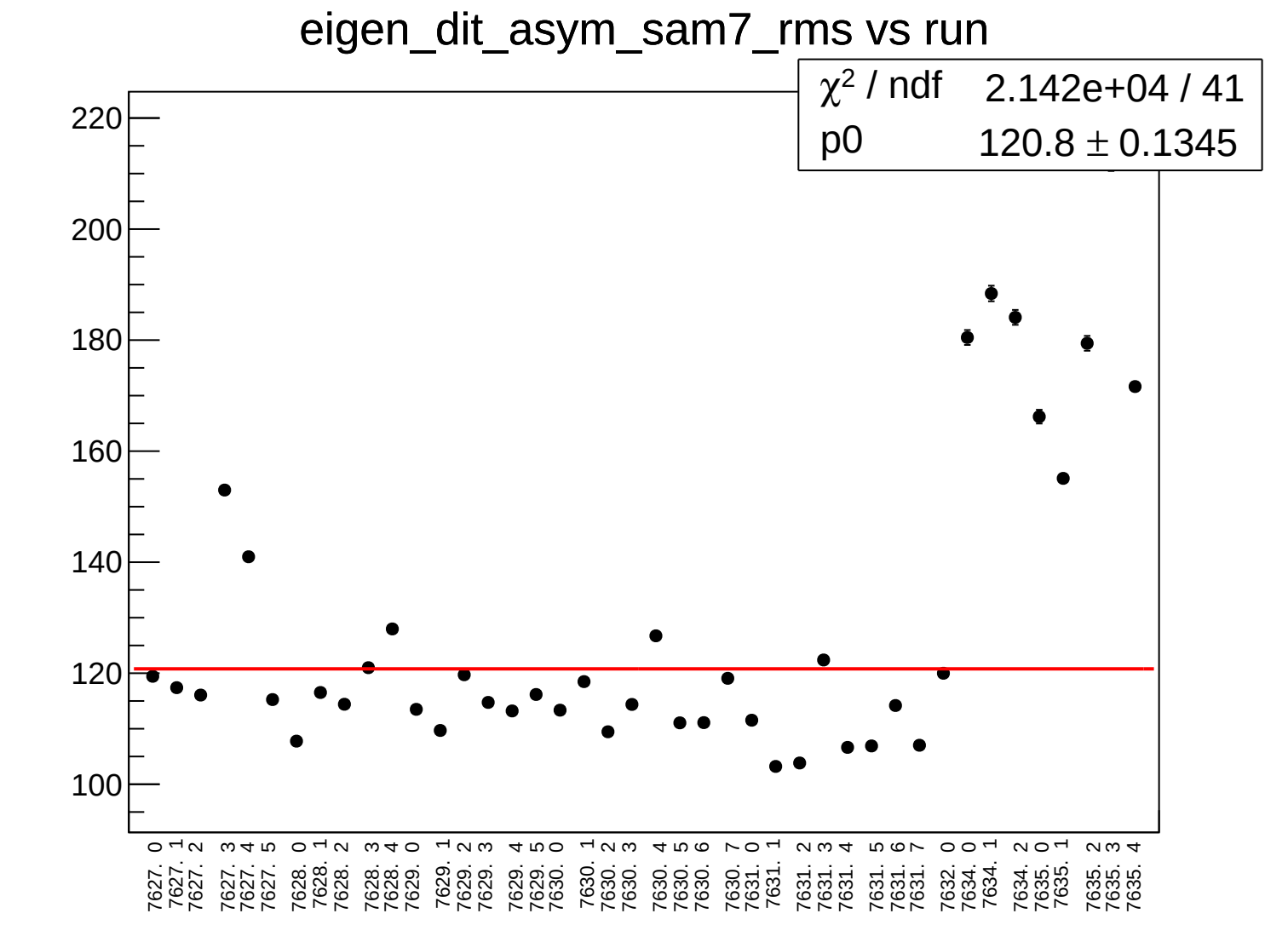

dit_asym_sam7_rms vs run
χ² / ndf 2.142e+04 / 41
p0 120.8 ± 0.1345
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

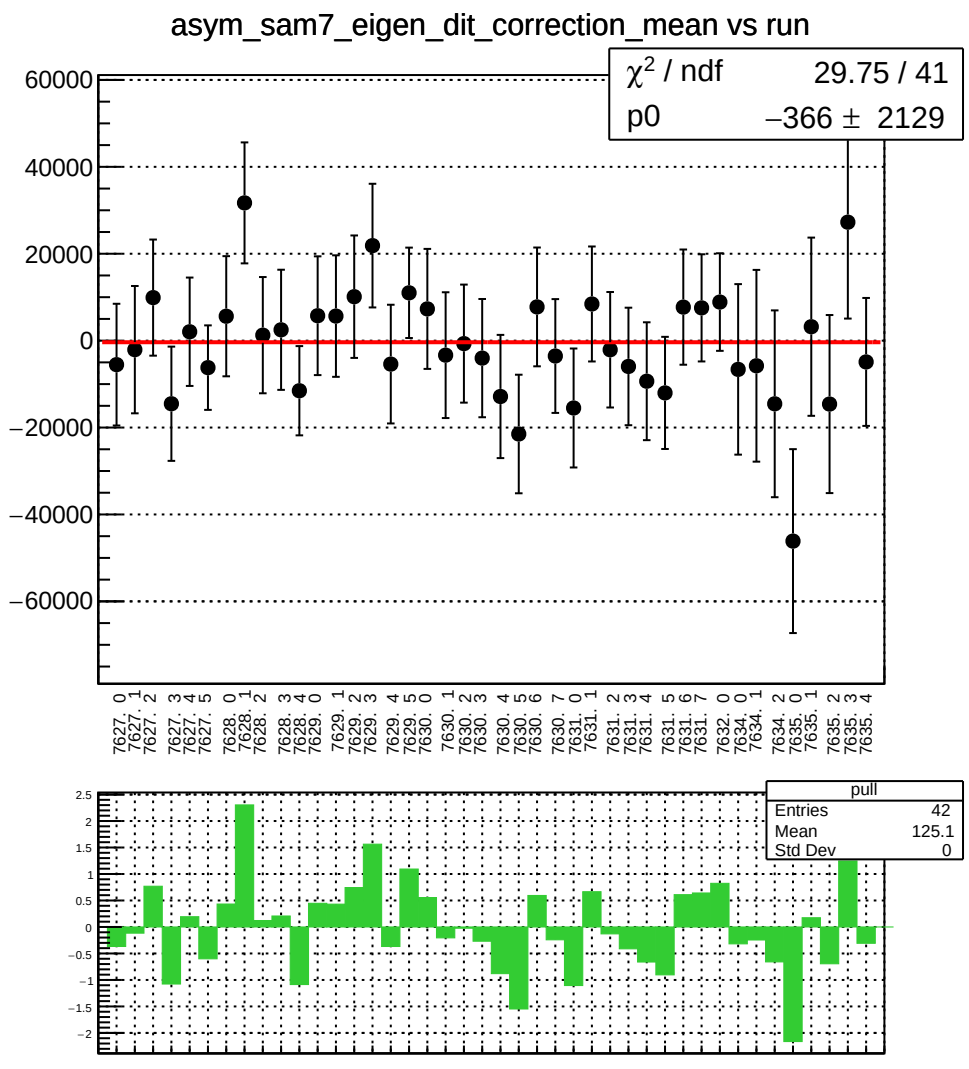

asym_sam7_dit_correction_mean vs run
χ² / ndf 29.75 / 41
p0 −366.1± 2129
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 125.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

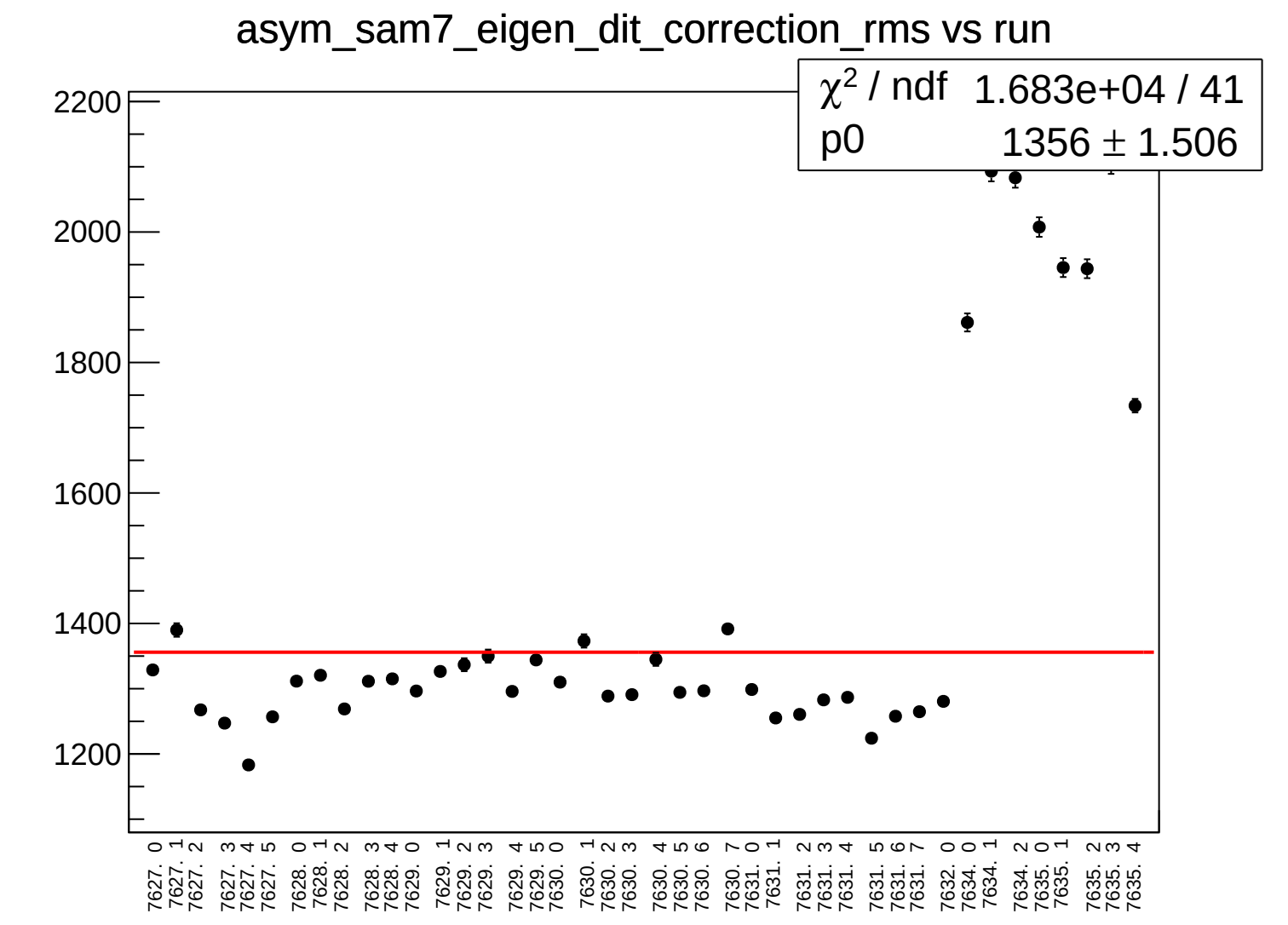

pull1D
Entries 42
Mean −0.01834
Std Dev 0.8414
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

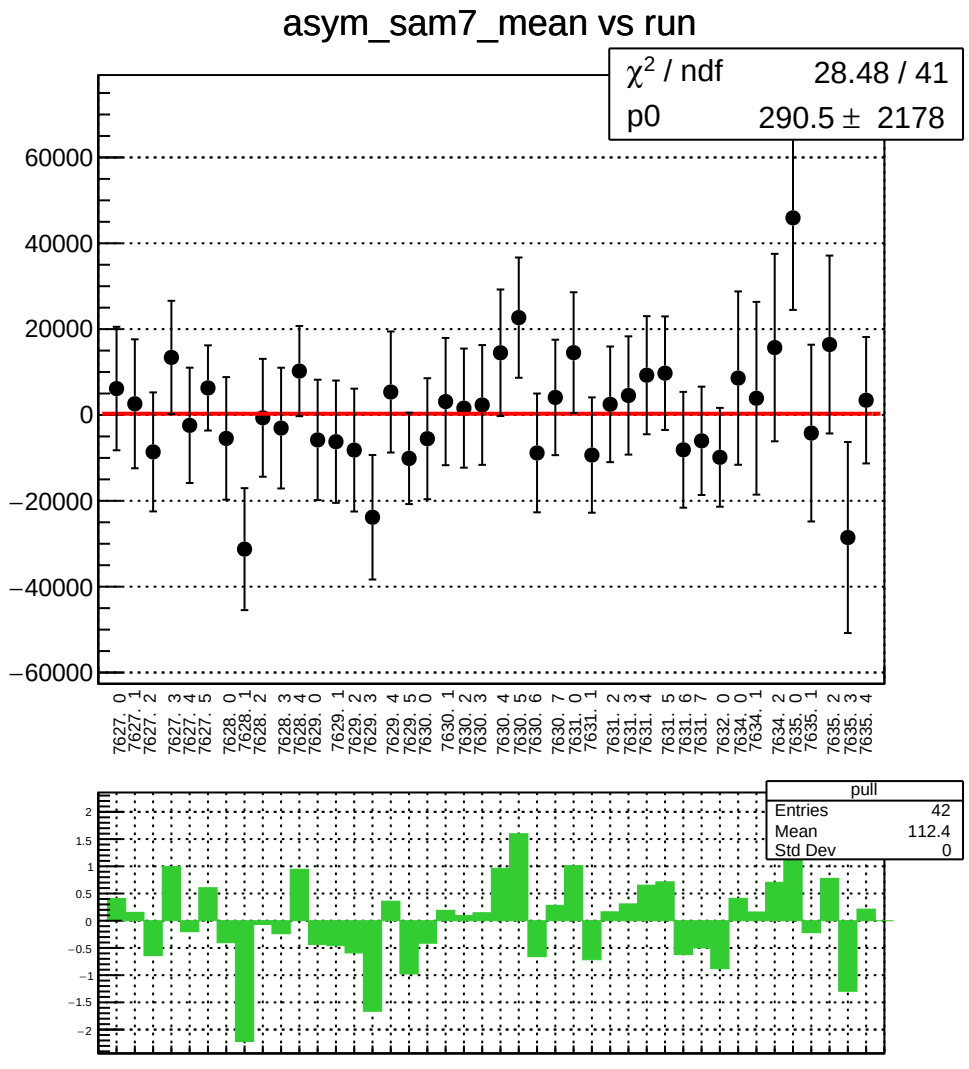

asym_sam7_dit_correction_rms vs run
χ² / ndf 1.683e+04 / 41
p0 1356 ± 1.506
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

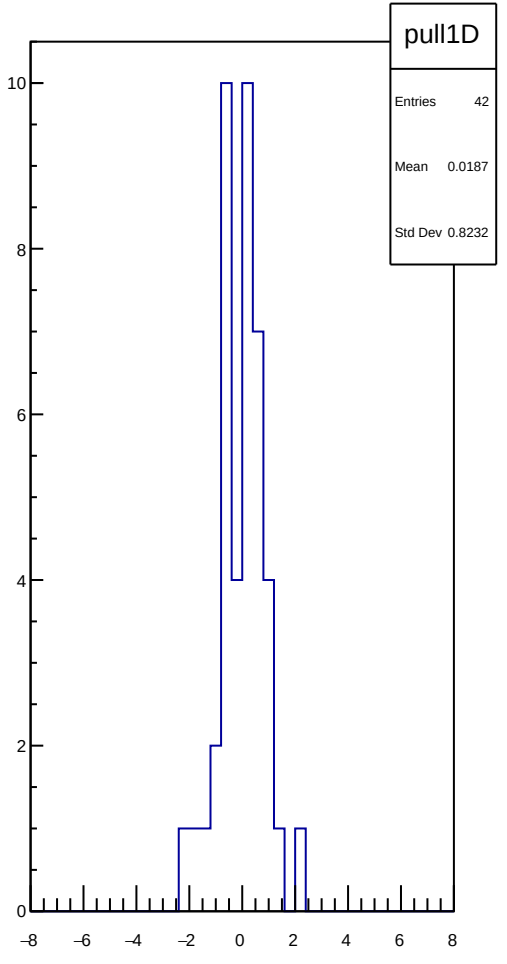

eigen_dit_asym_sam7_mean vs run
χ² / ndf 33.96 / 41
p0 −42.79 ± 190.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 412.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.004438
Std Dev 0.8992
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

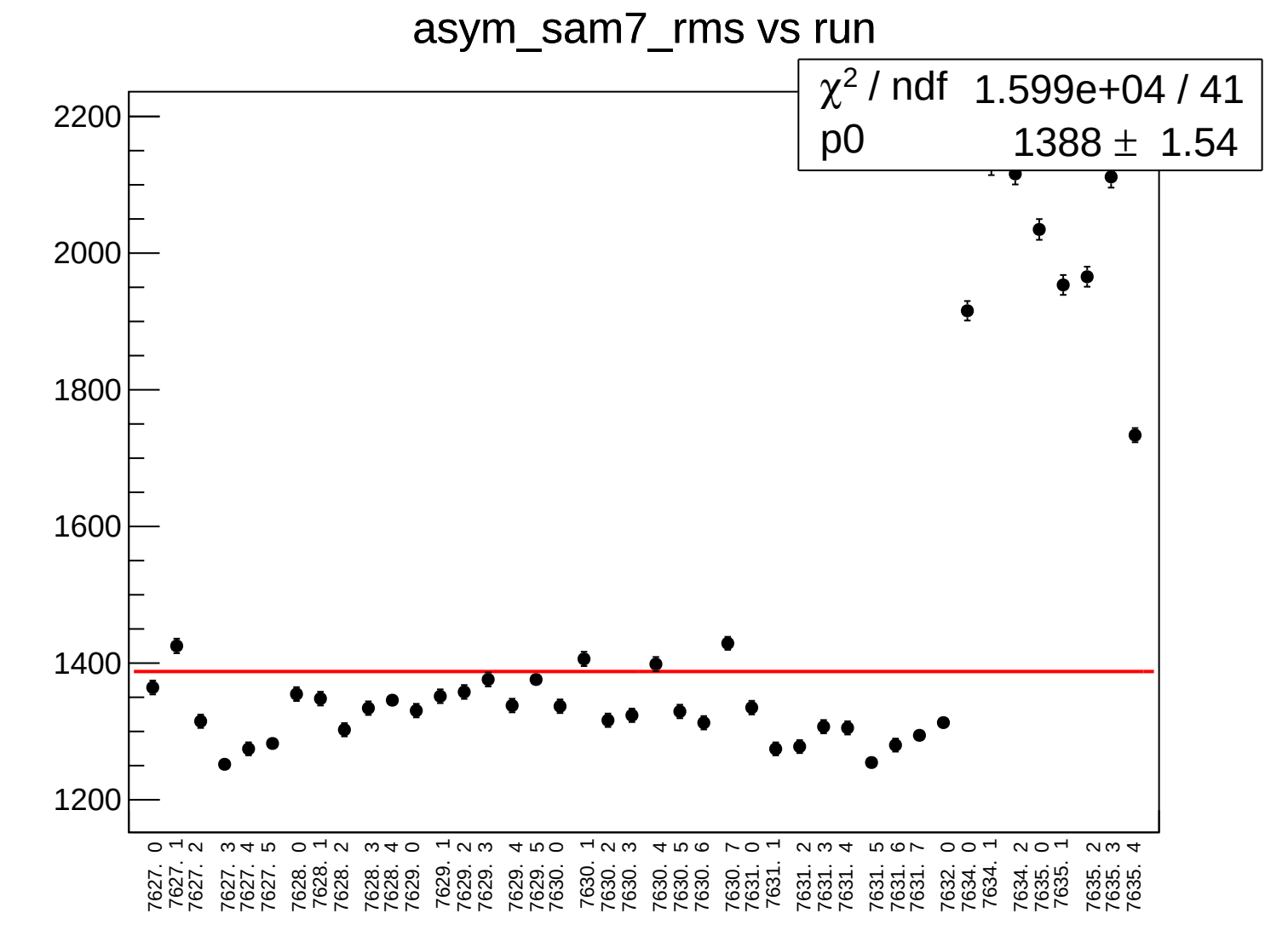

eigen_dit_asym_sam7_rms vs run
χ² / ndf 2.142e+04 / 41
p0 120.8 ± 0.1345
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

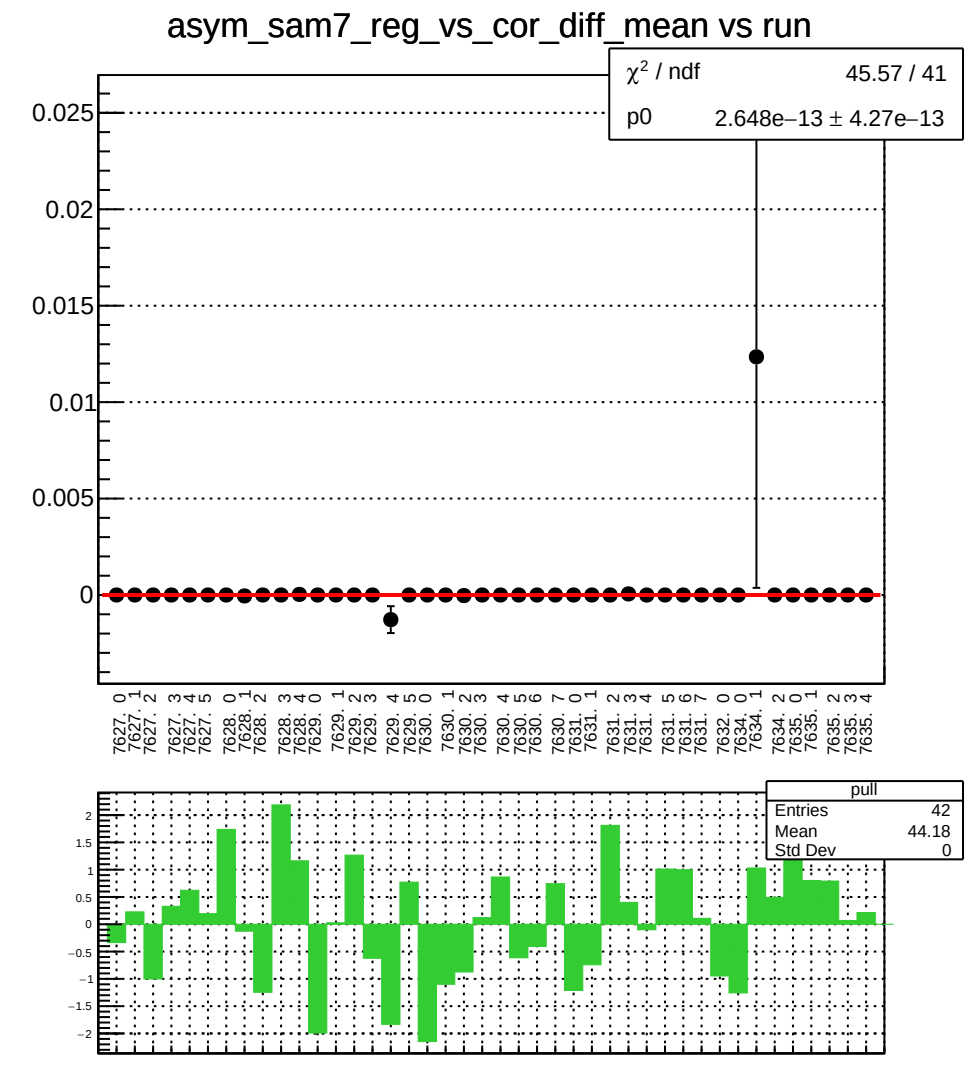

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 29.75 / 41
p0 −366 ± 2129
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 125.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01834
Std Dev 0.8414
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

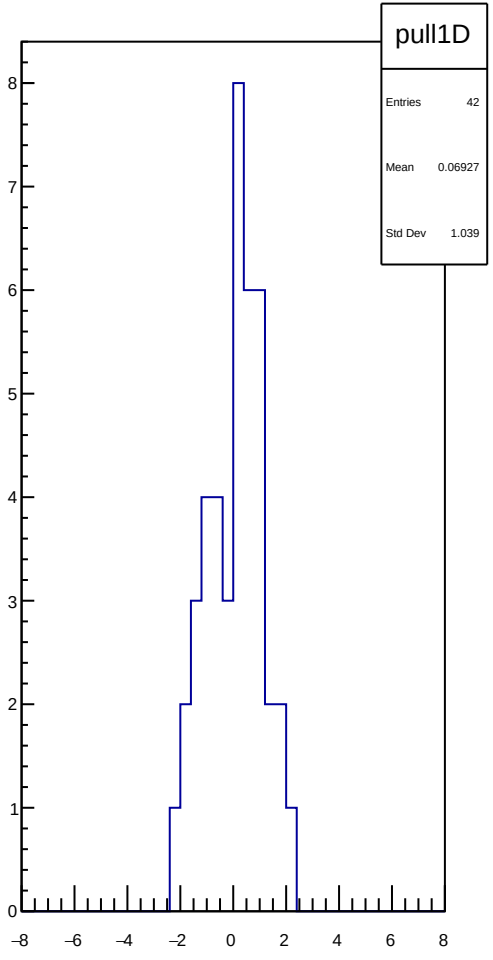

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 1.683e+04 / 41
p0 1356 ± 1.506
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

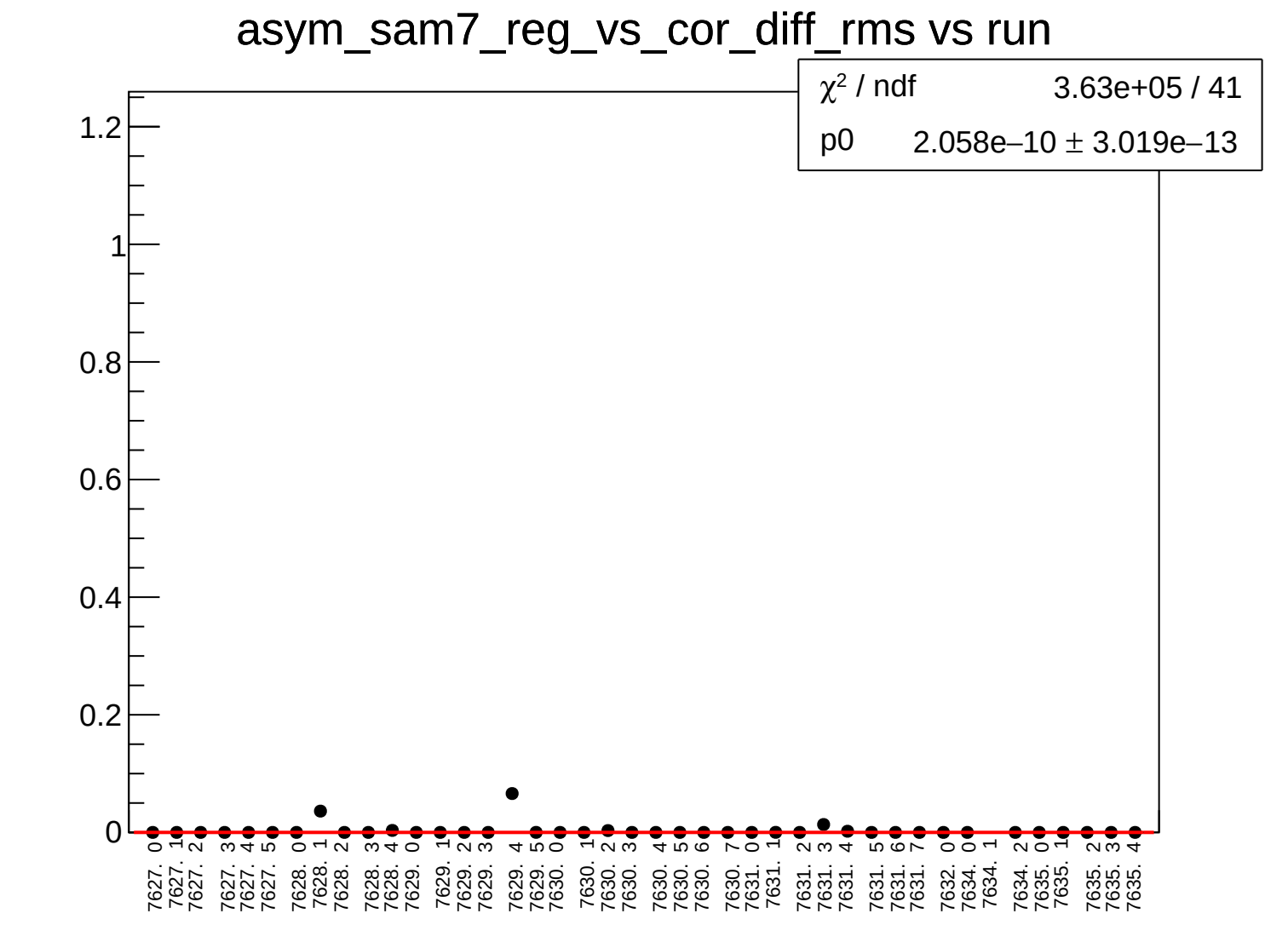

asym_sam7_mean vs run
χ² / ndf 28.48 / 41
p0 290.5 ± 2178
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 112.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

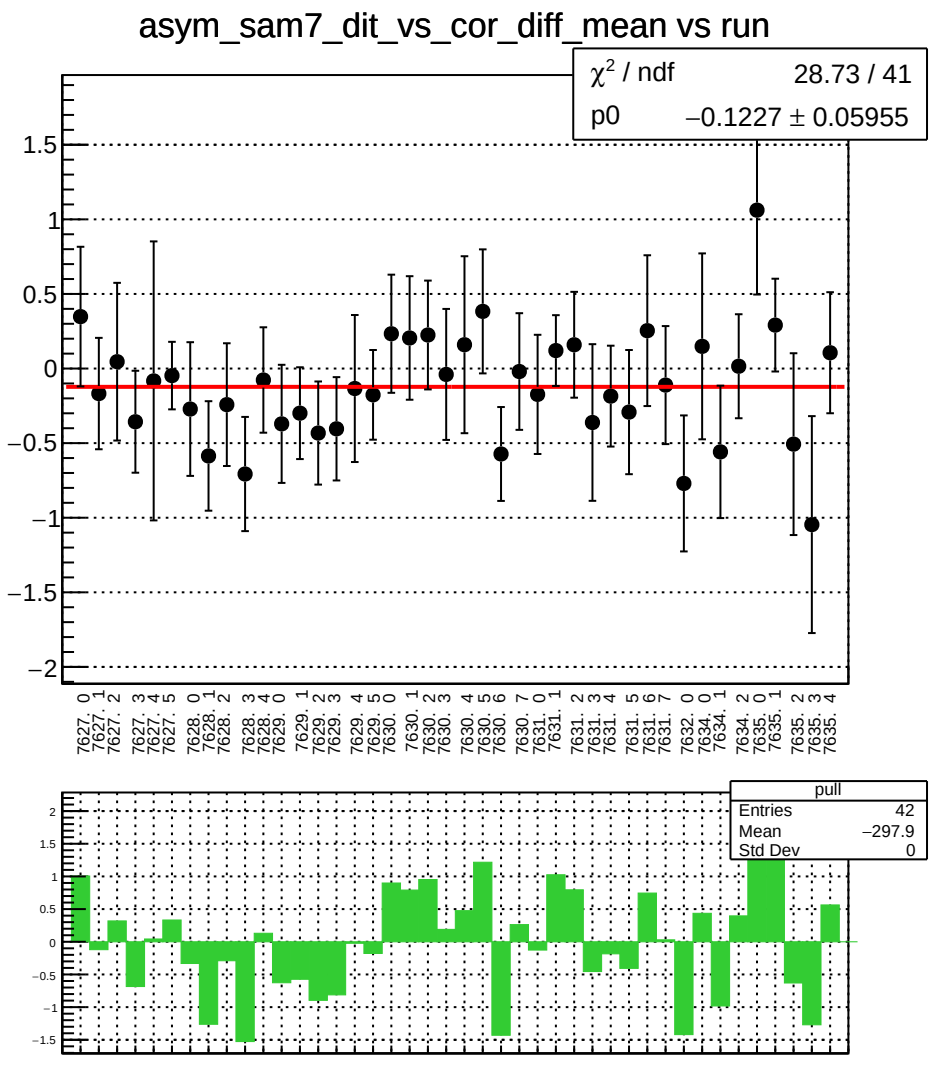

pull1D
Entries 42
Mean 0.0187
Std Dev 0.8232
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

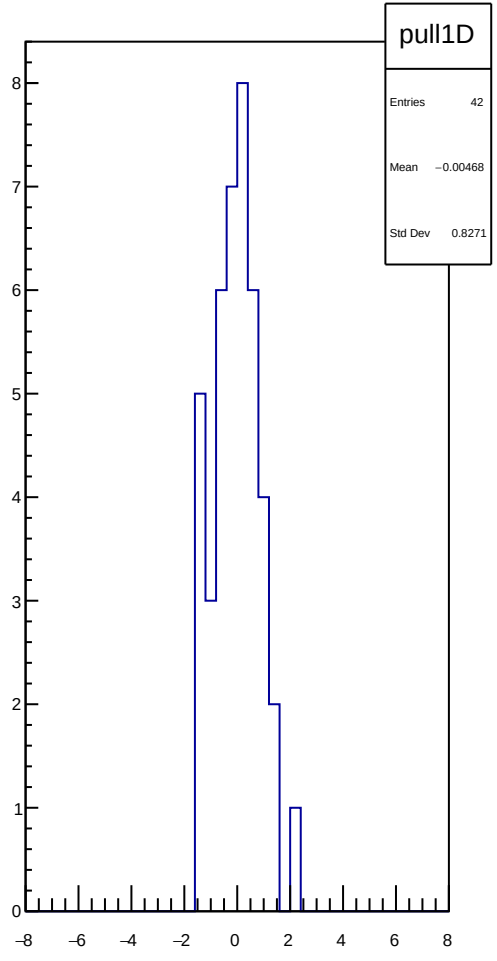

asym_sam7_rms vs run
χ² / ndf 1.599e+04 / 41
p0 1388 ± 1.54
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

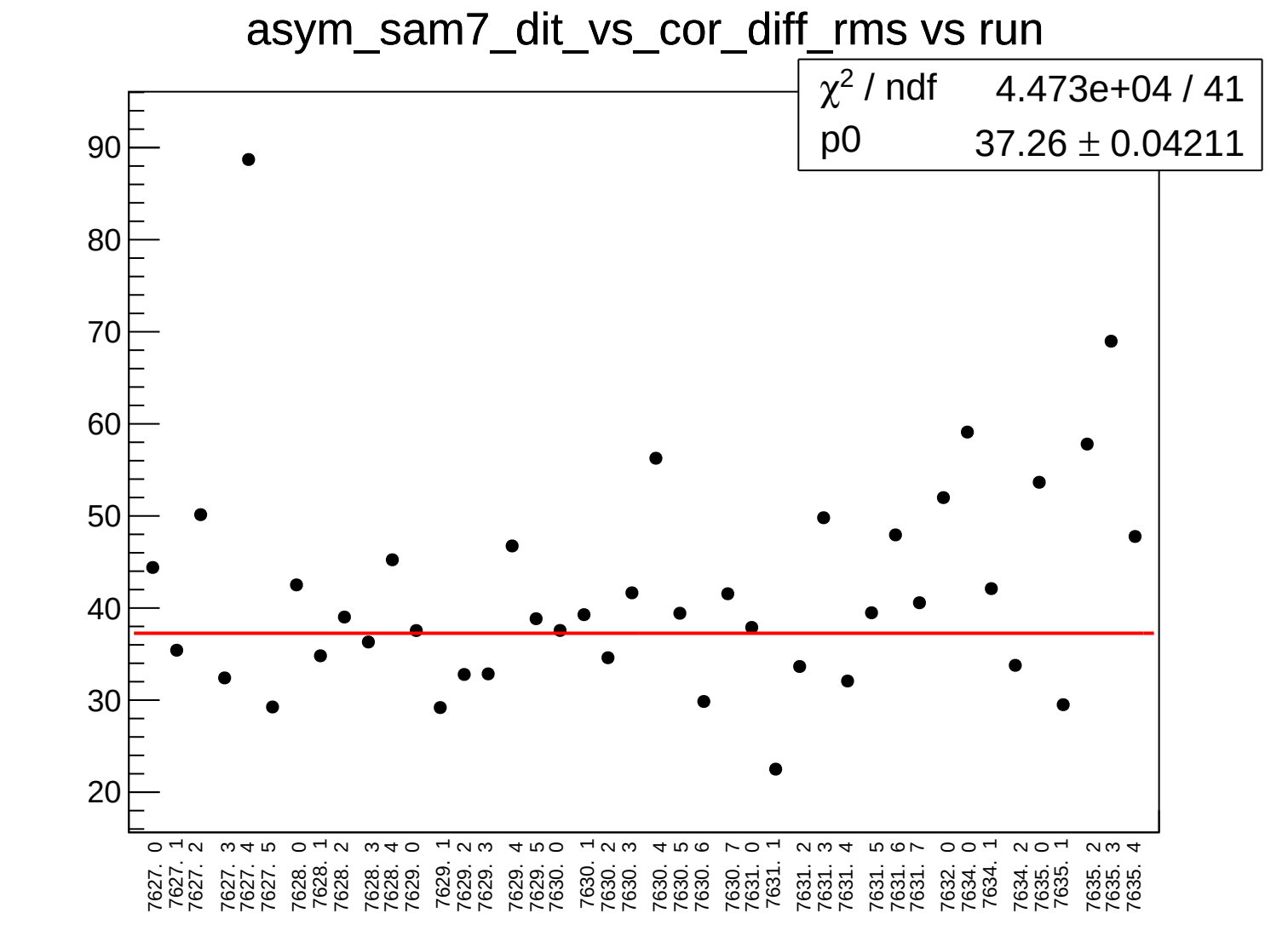

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 45.57 / 41
p0 2.648e−13 ± 4.27e−13
0.025
0.02
0.015
0.01
0.005
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 44.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

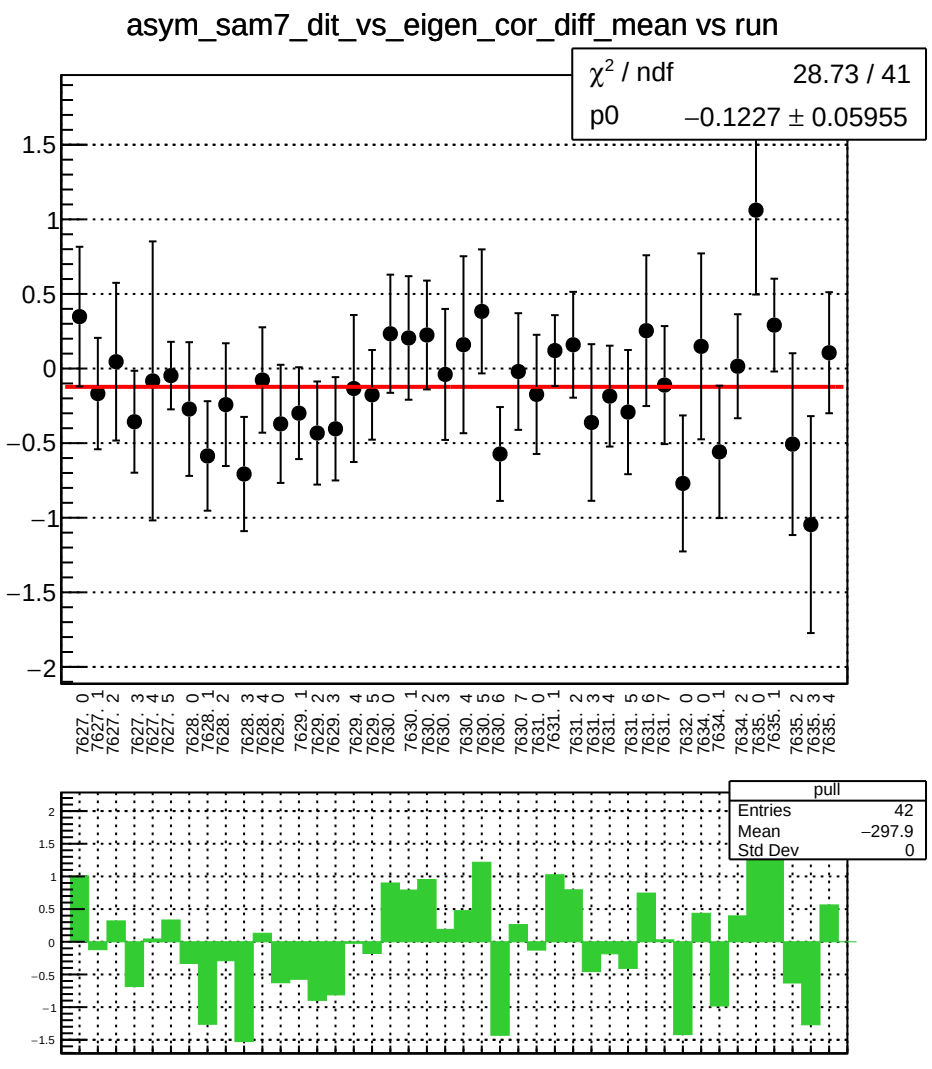

pull1D
Entries 42
Mean 0.06927
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

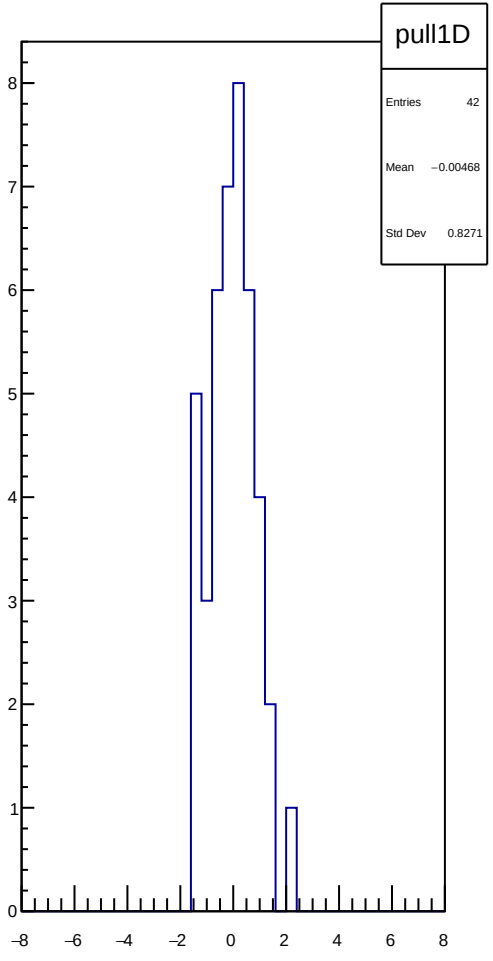

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 3.63e+05 / 41
p0 2.058e−10 ± 3.019e−13
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

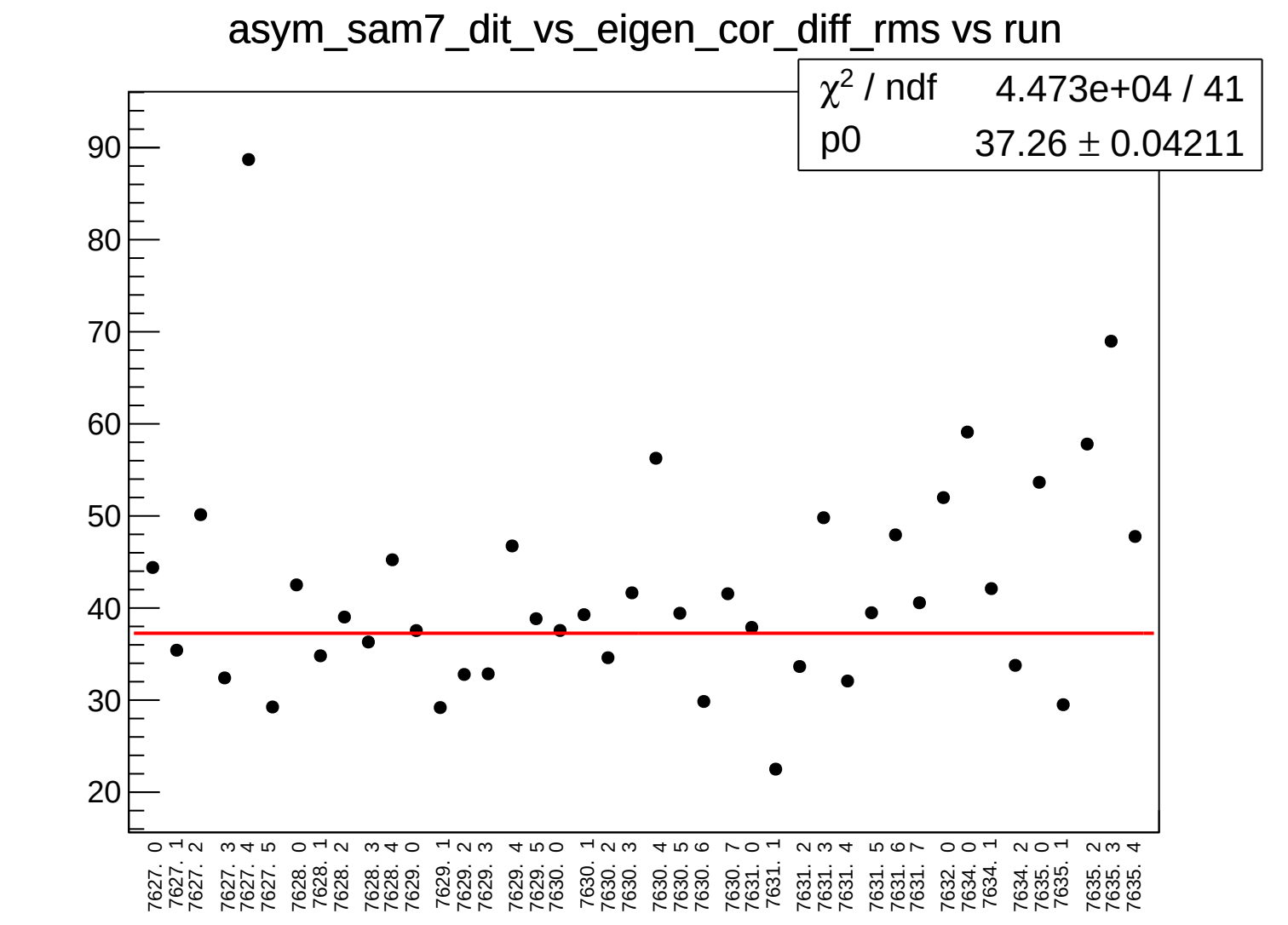

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 28.73 / 41
p0 −0.1227 ± 0.05955
pull
Entries 42
Mean −297.9
Std Dev 0

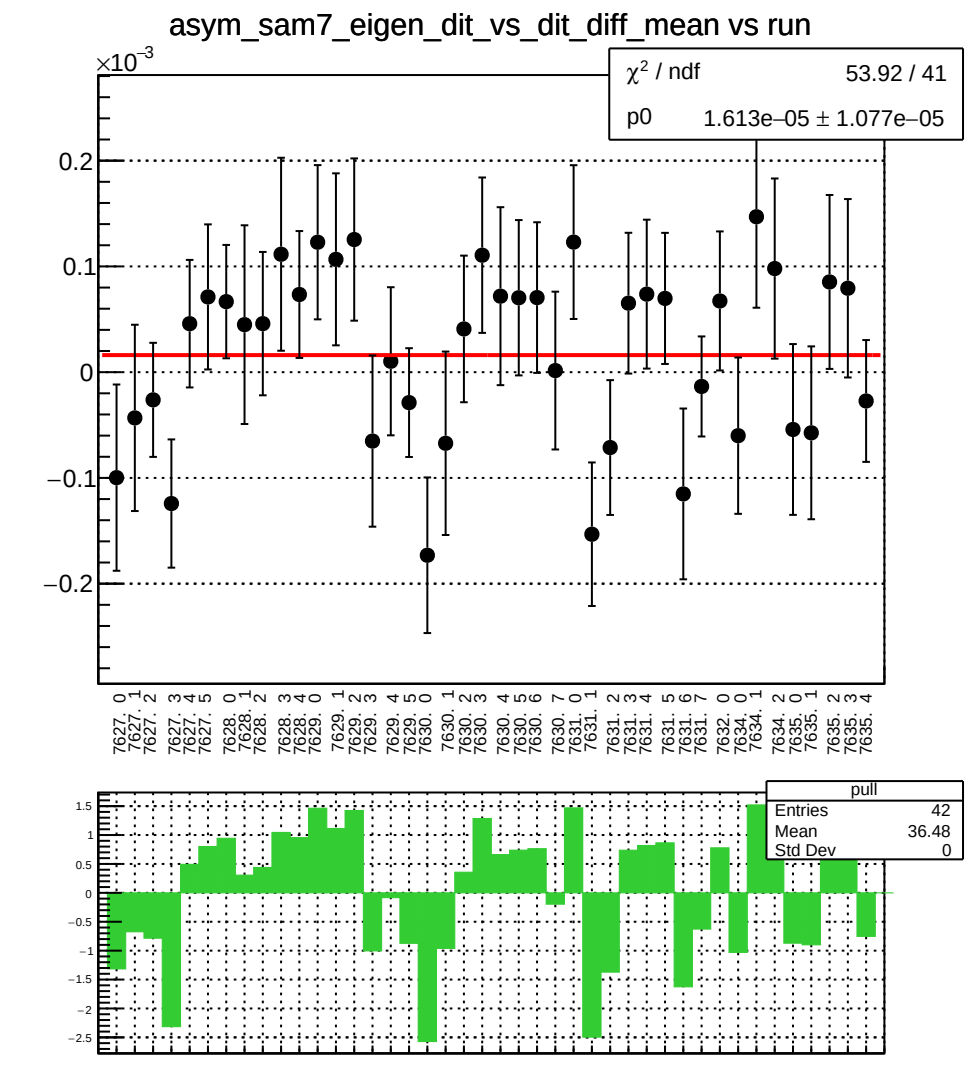

pull1D
Entries 42
Mean −0.00468
Std Dev 0.8271

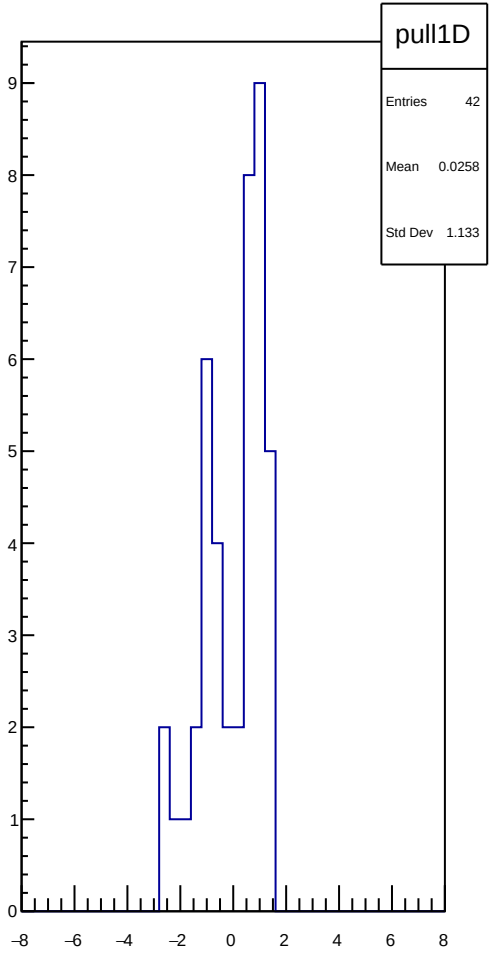

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 4.473e+04 / 41
p0 37.26 ± 0.04211
90
80
70
60
50
40
30
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

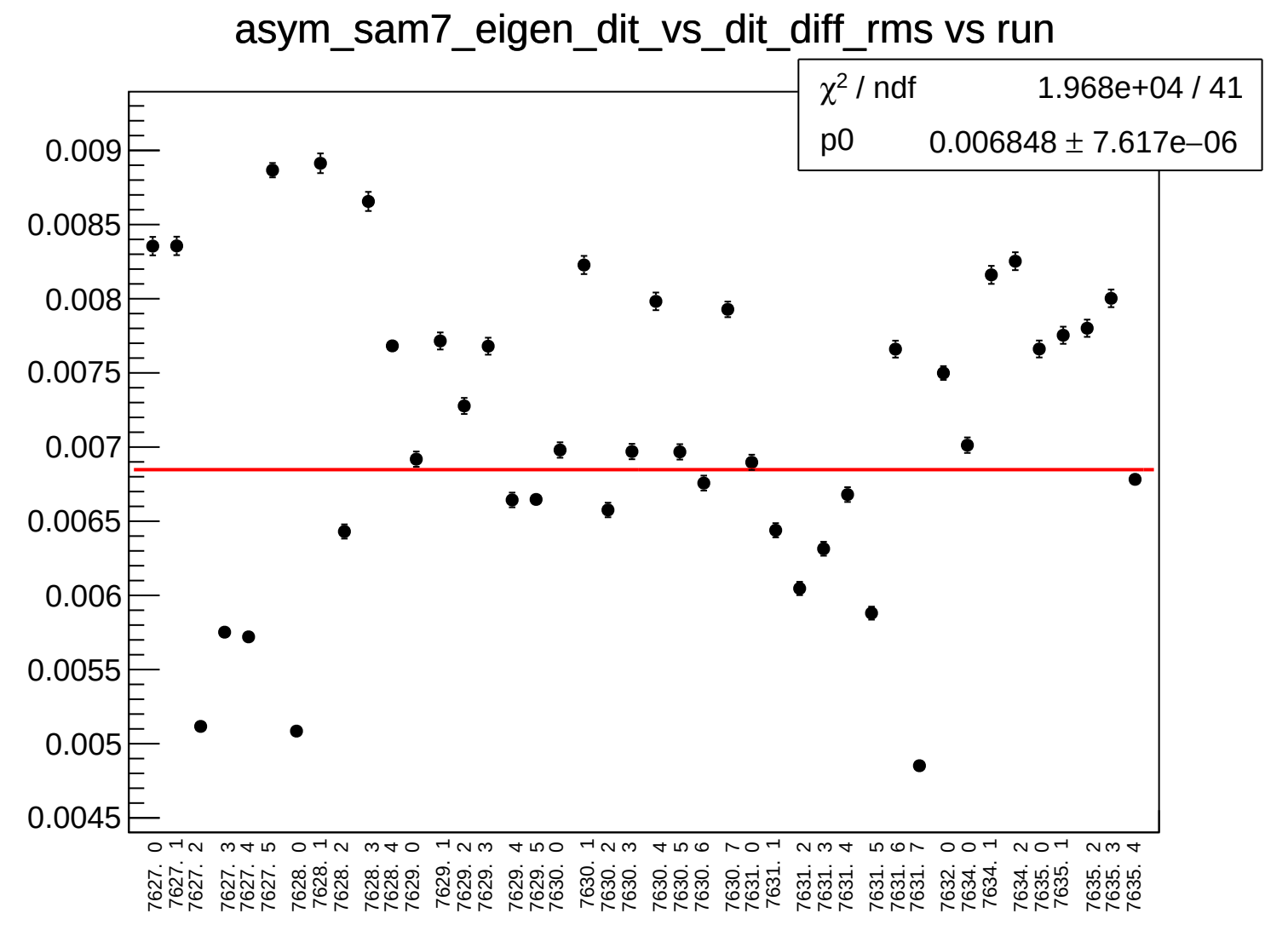

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.73 / 41
p0 −0.1227 ± 0.05955
pull
Entries 42
Mean −297.9
Std Dev 0


pull1D
Entries 42
Mean −0.00468
Std Dev 0.8271

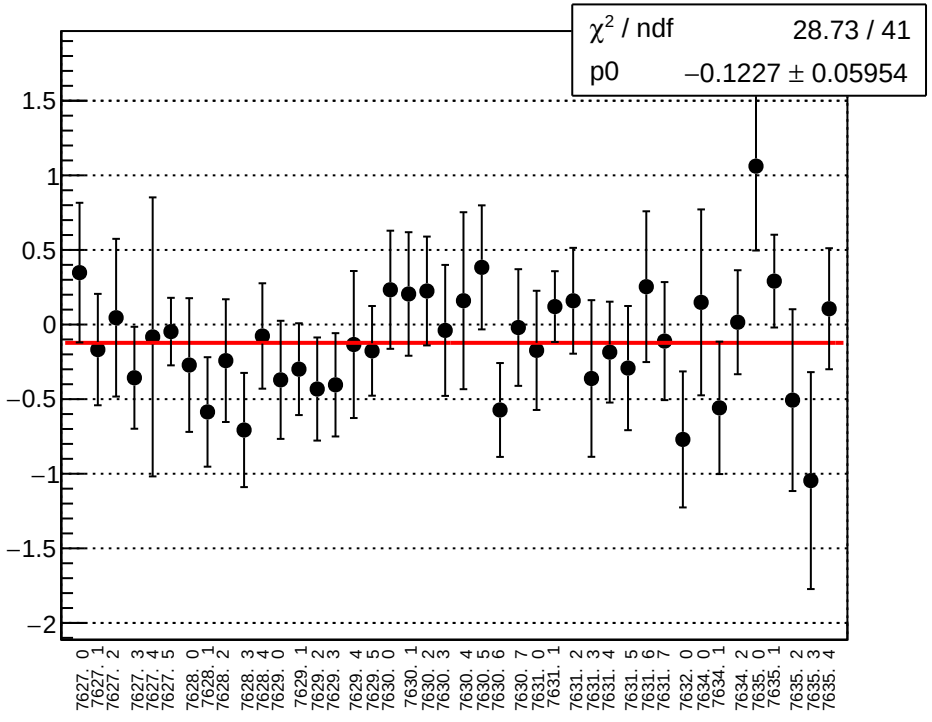

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.473e+04 / 41
p0 37.26 ± 0.04211
90
80
70
60
50
40
30
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

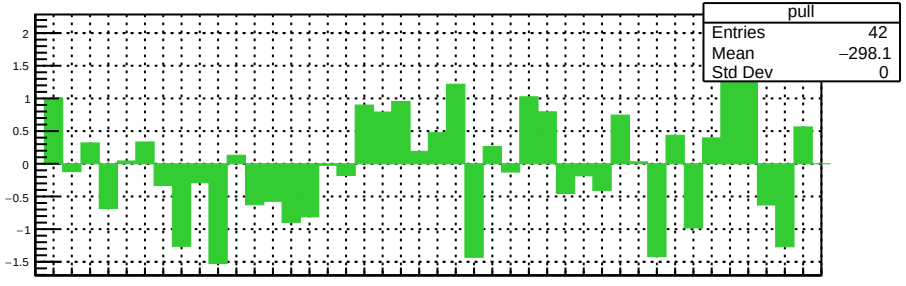

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.92 / 41
p0 1.613e−05 ± 1.077e−05
0.2
0.1
0
−0.1
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 36.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

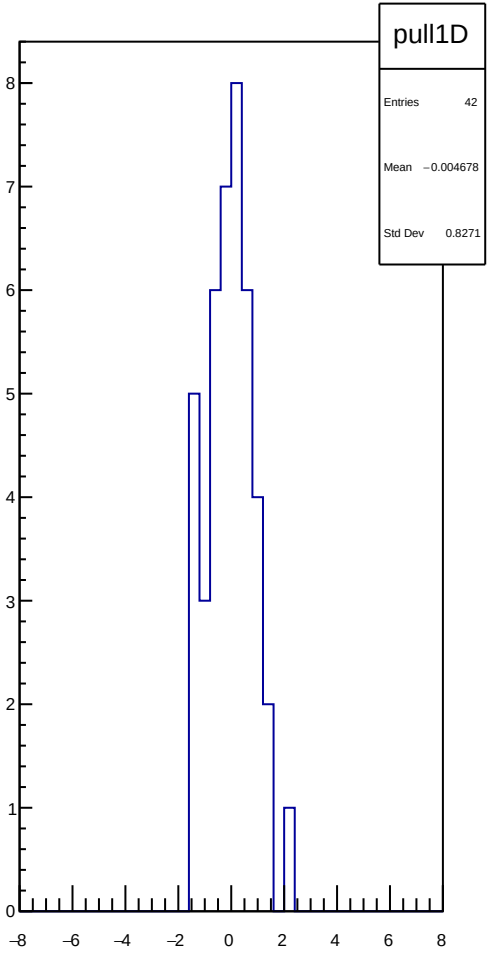

pull1D
Entries 42
Mean 0.0258
Std Dev 1.133
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

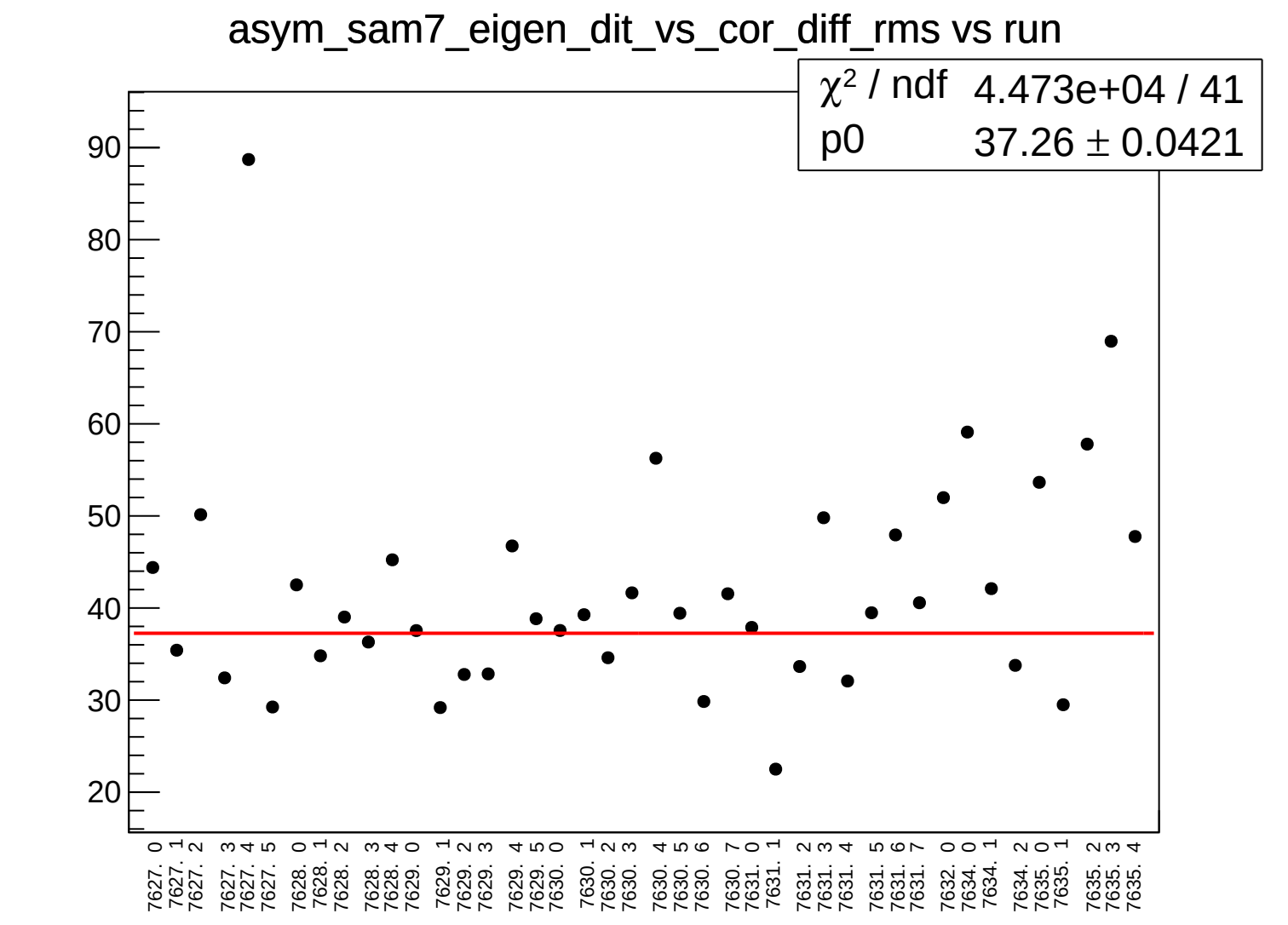

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.968e+04 / 41
p0 0.006848 ± 7.617e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

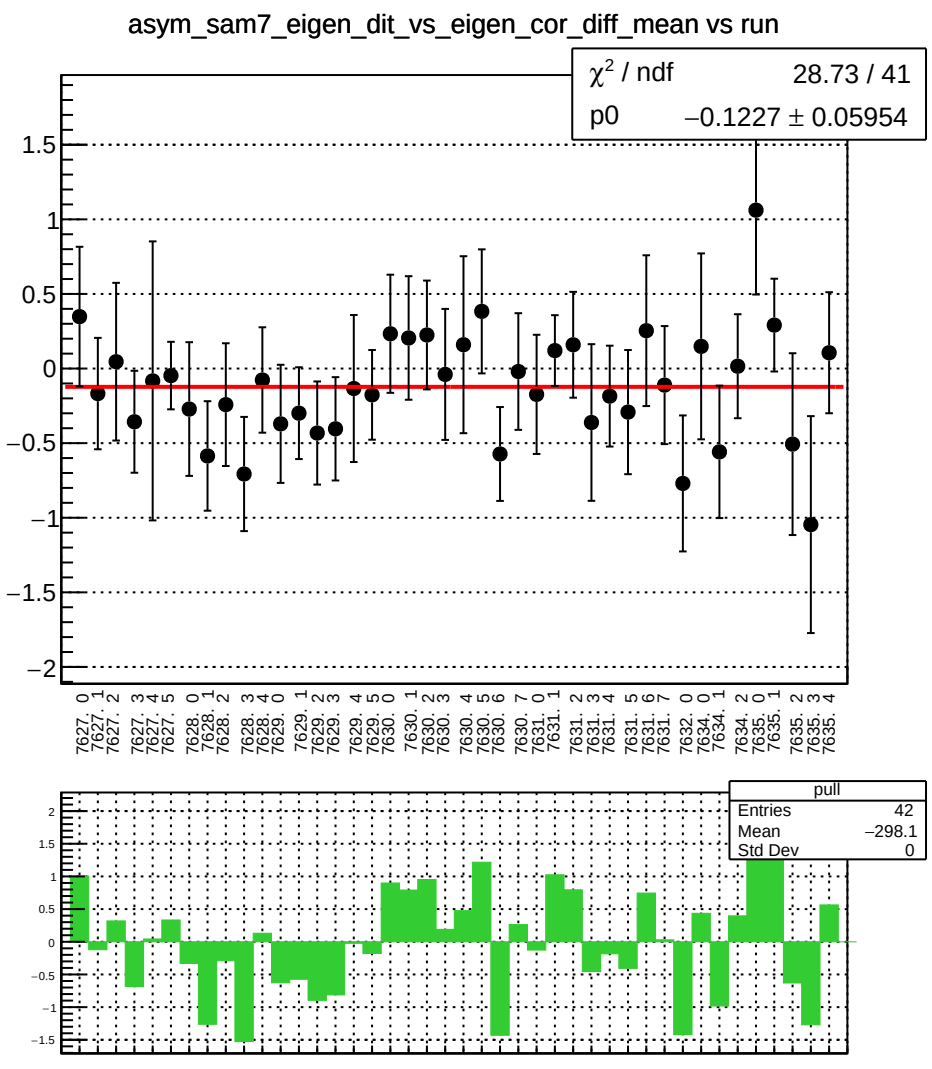
asym_sam7_eigen_dit_vs_cor_diff_mean vs run

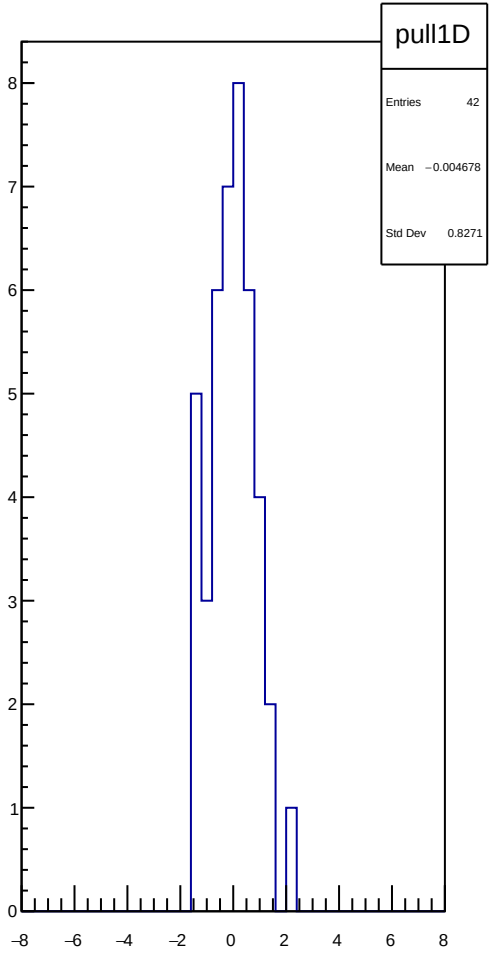


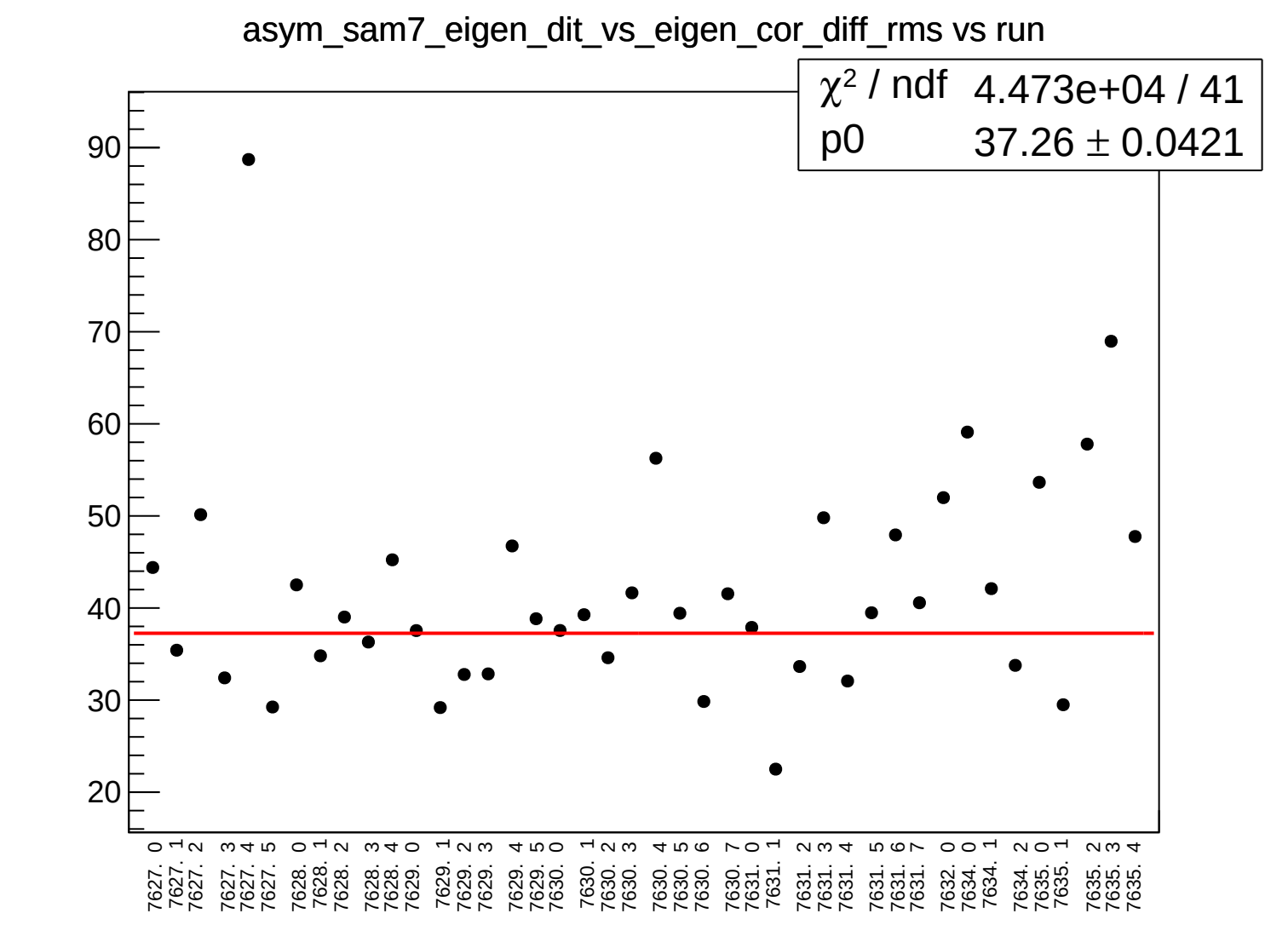


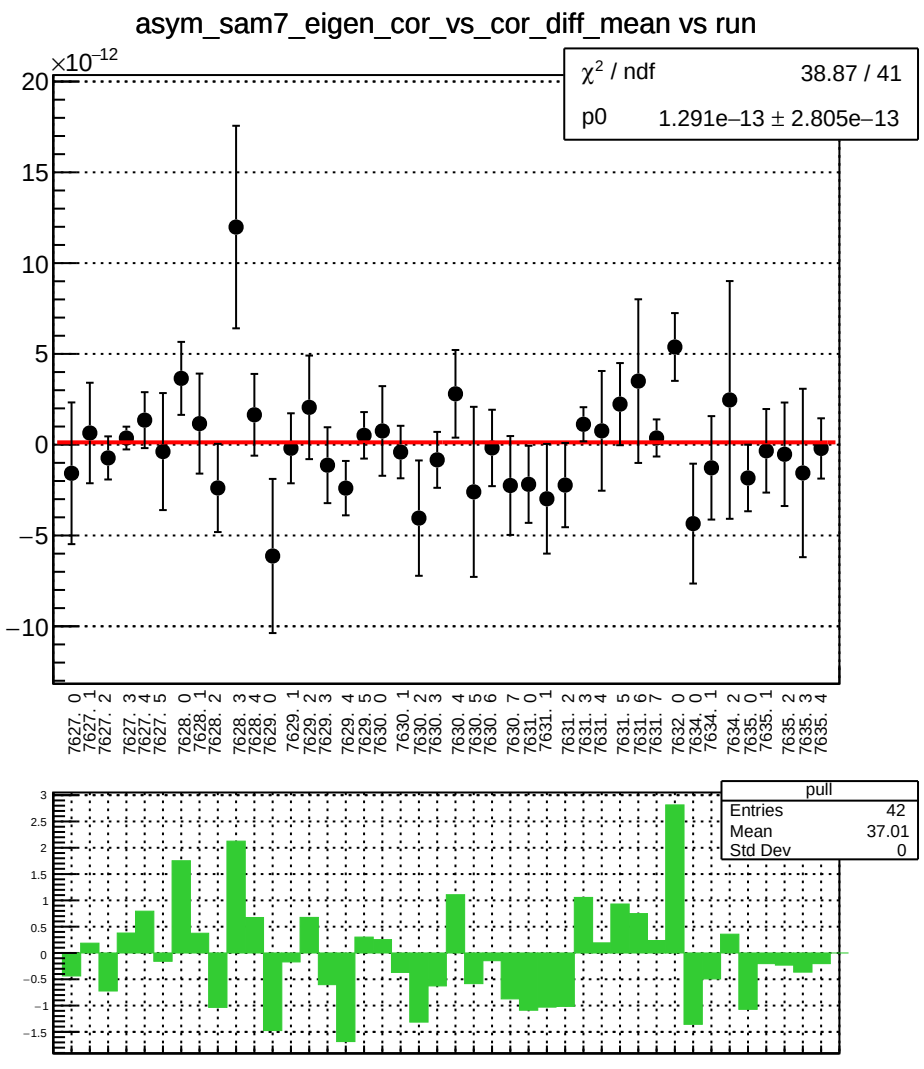


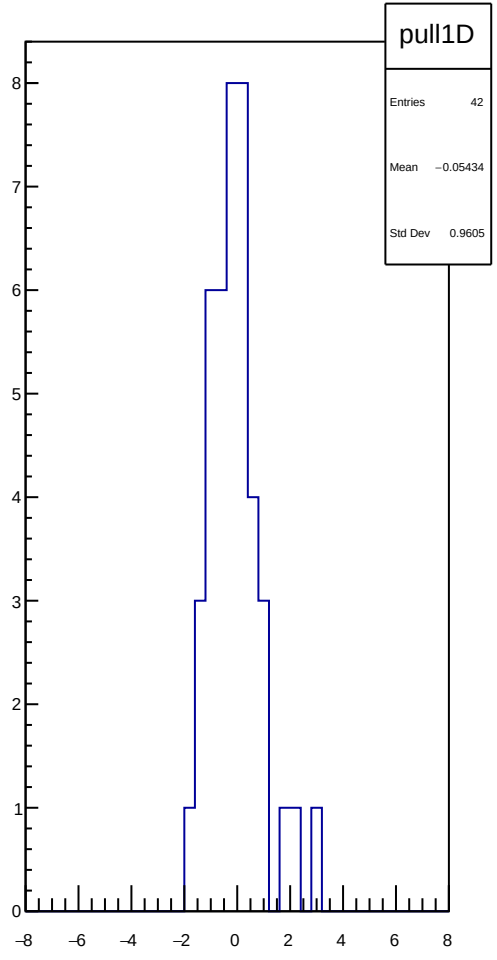

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.473e+04 / 41
p0 37.26 ± 0.0421
90
80
70
60
50
40
30
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

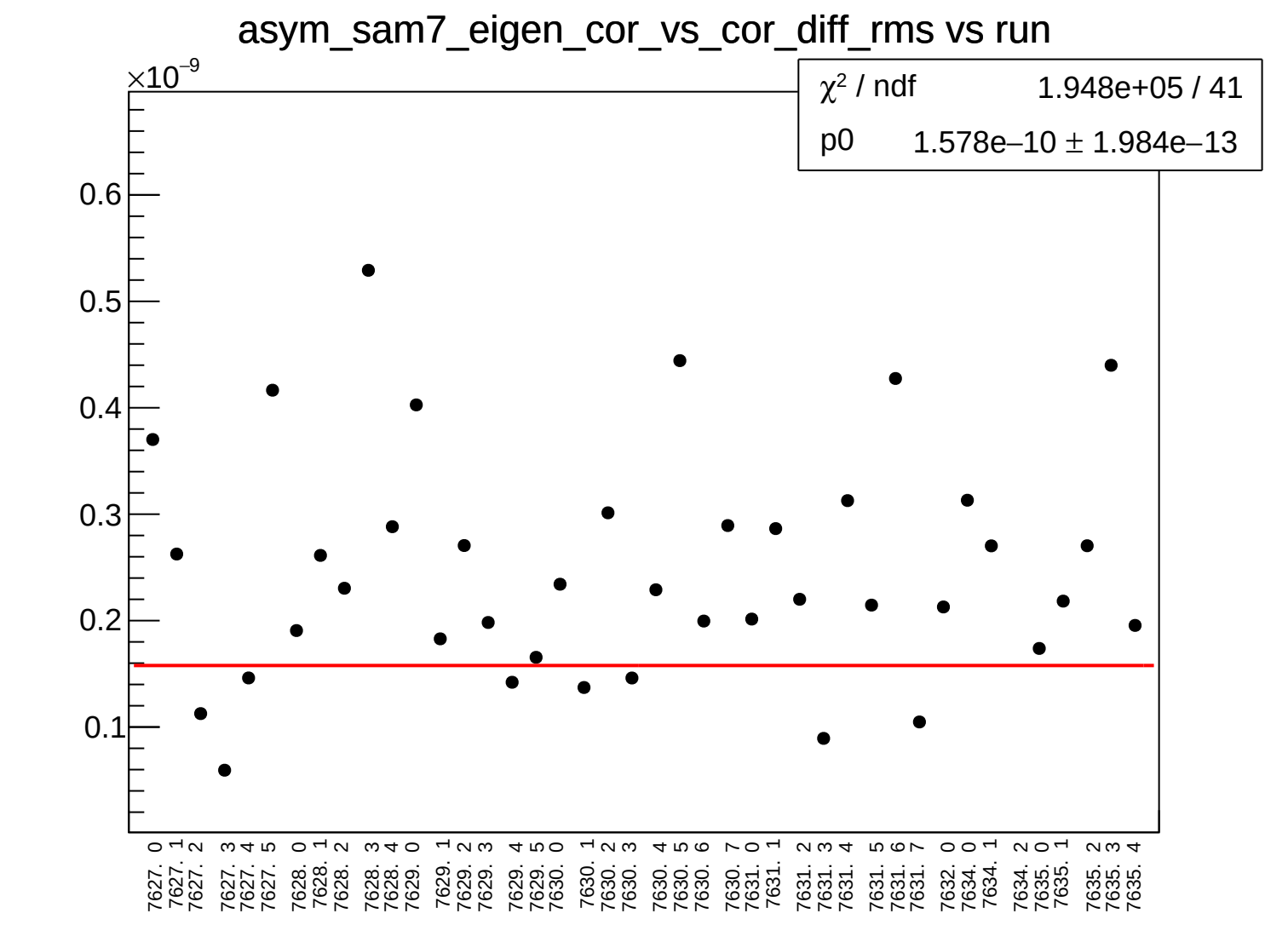

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.73 / 41
p0 −0.1227 ± 0.05954
pull
Entries 42
Mean −298.1
Std Dev 0

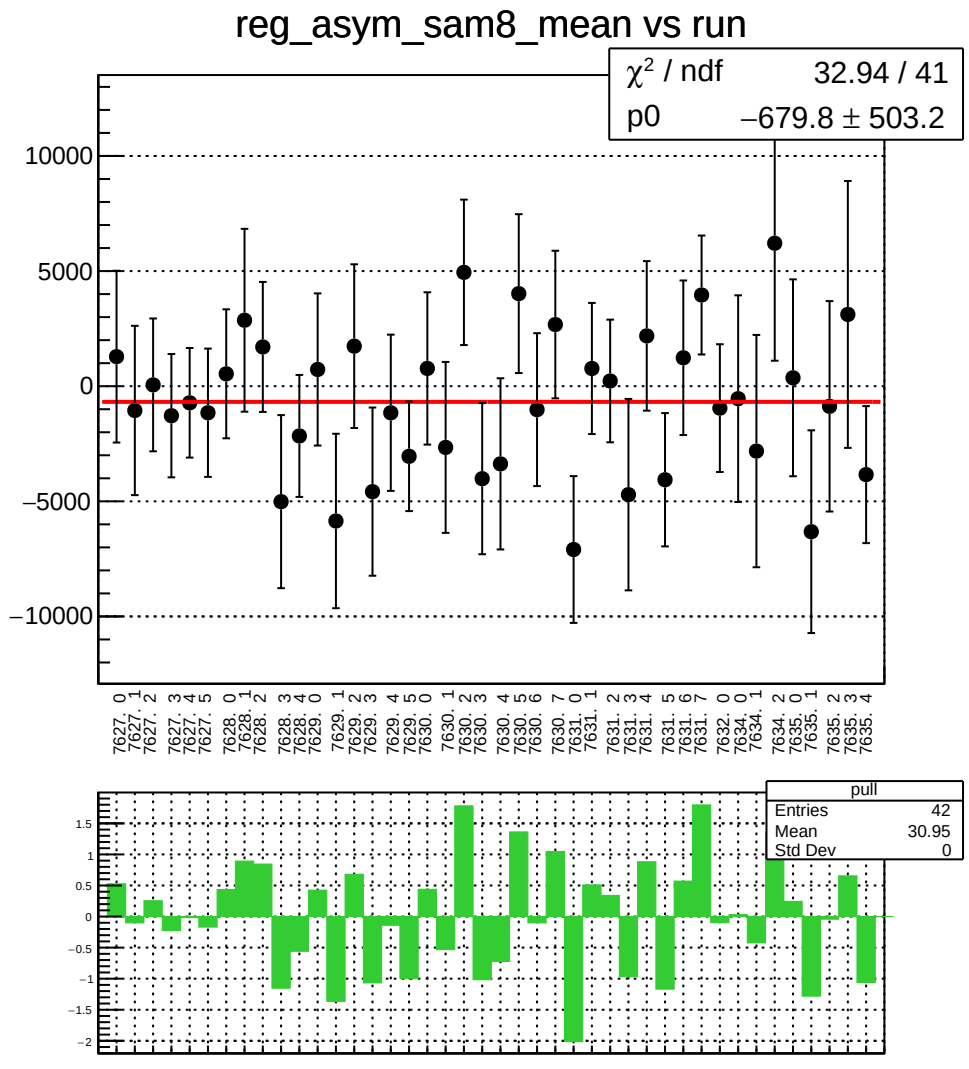

pull1D
Entries 42
Mean −0.004678
Std Dev 0.8271

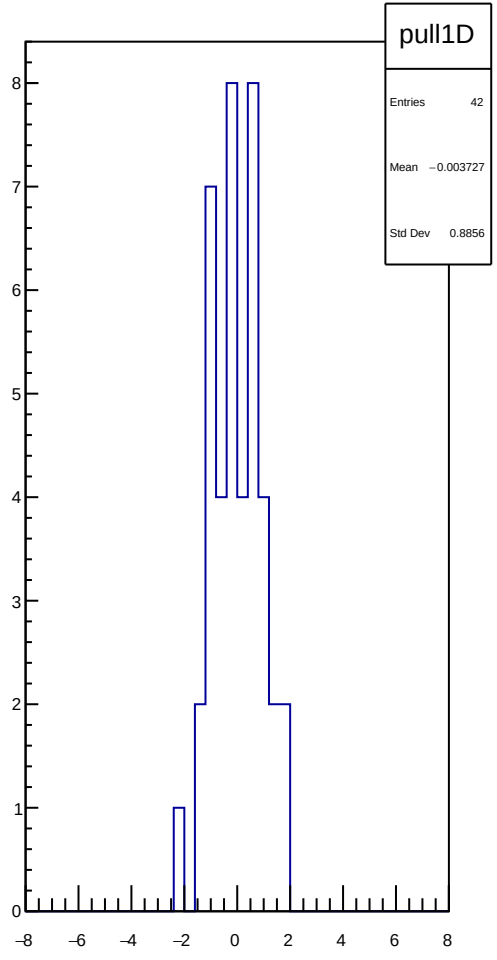

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.473e+04 / 41
p0 37.26 ± 0.0421
90
80
70
60
50
40
30
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

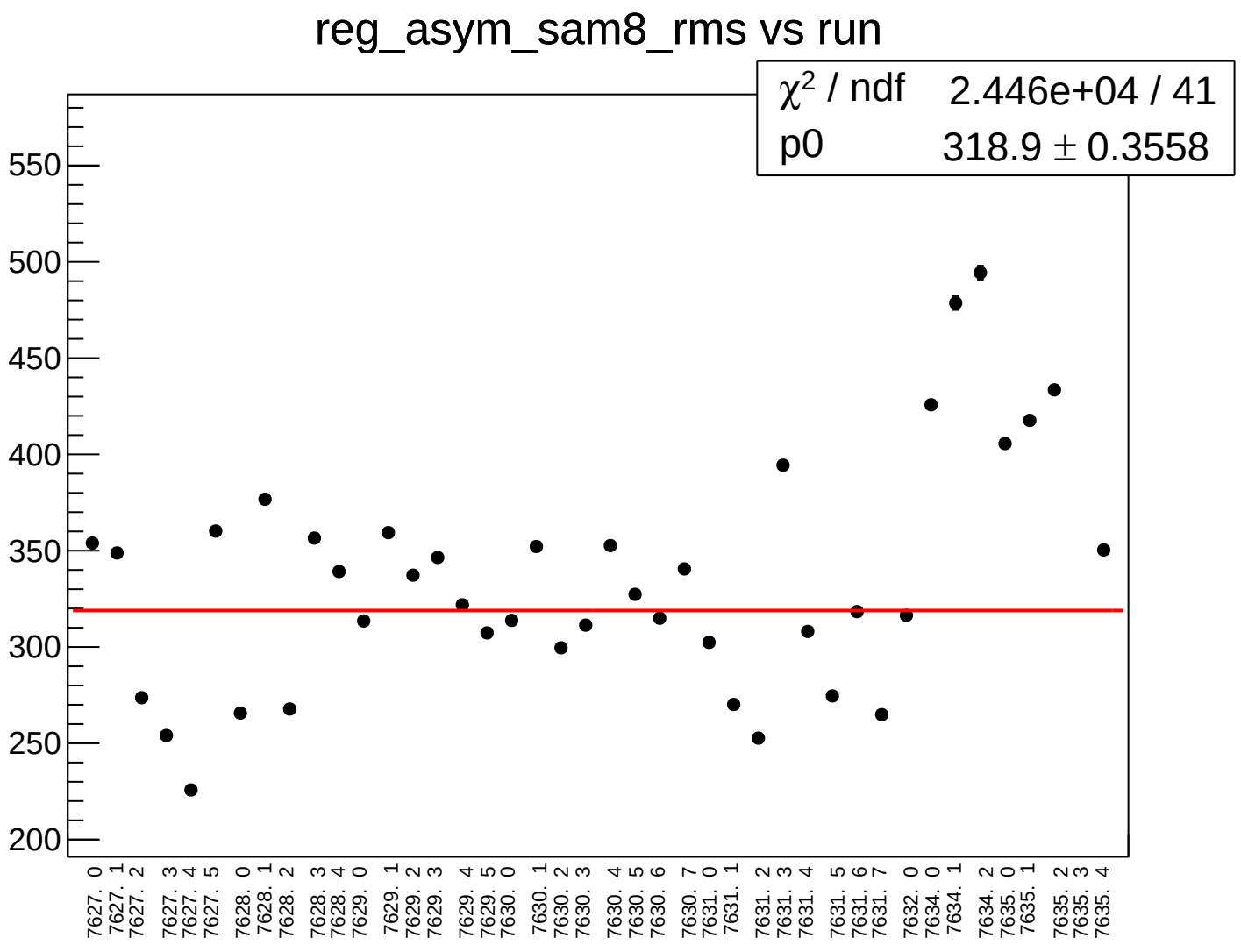

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.87 / 41
p0 1.291e−13 ± 2.805e−13
pull
Entries 42
Mean 37.01
Std Dev 0

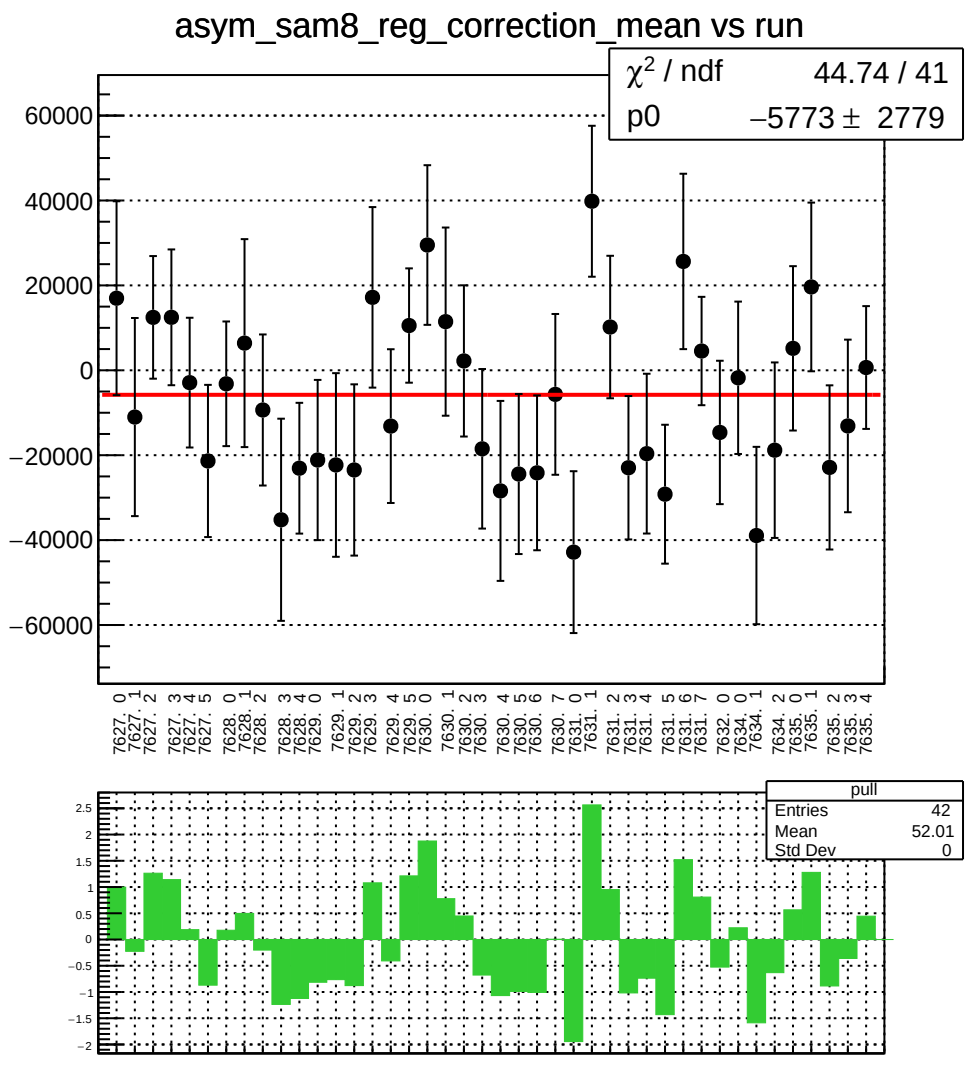

pull1D
Entries 42
Mean −0.05434
Std Dev 0.9605

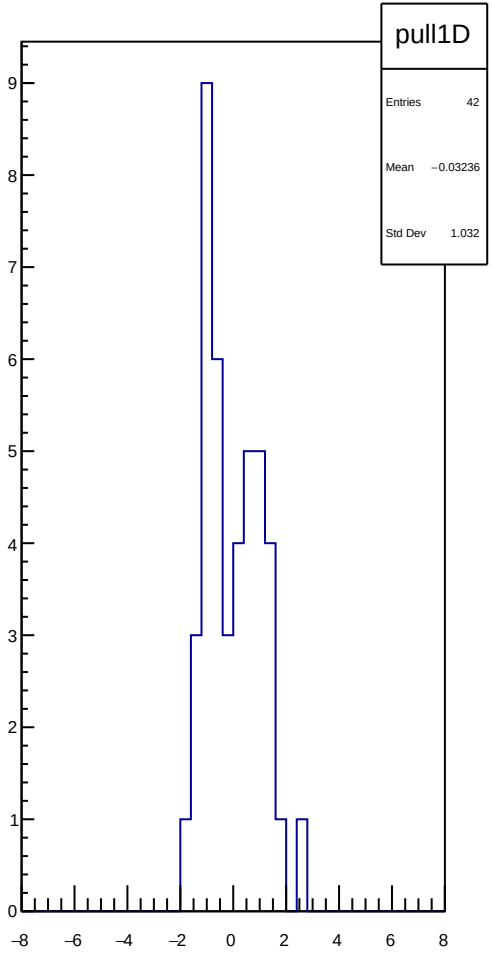

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.948e+05 / 41
p0 1.578e−10 ± 1.984e−13
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

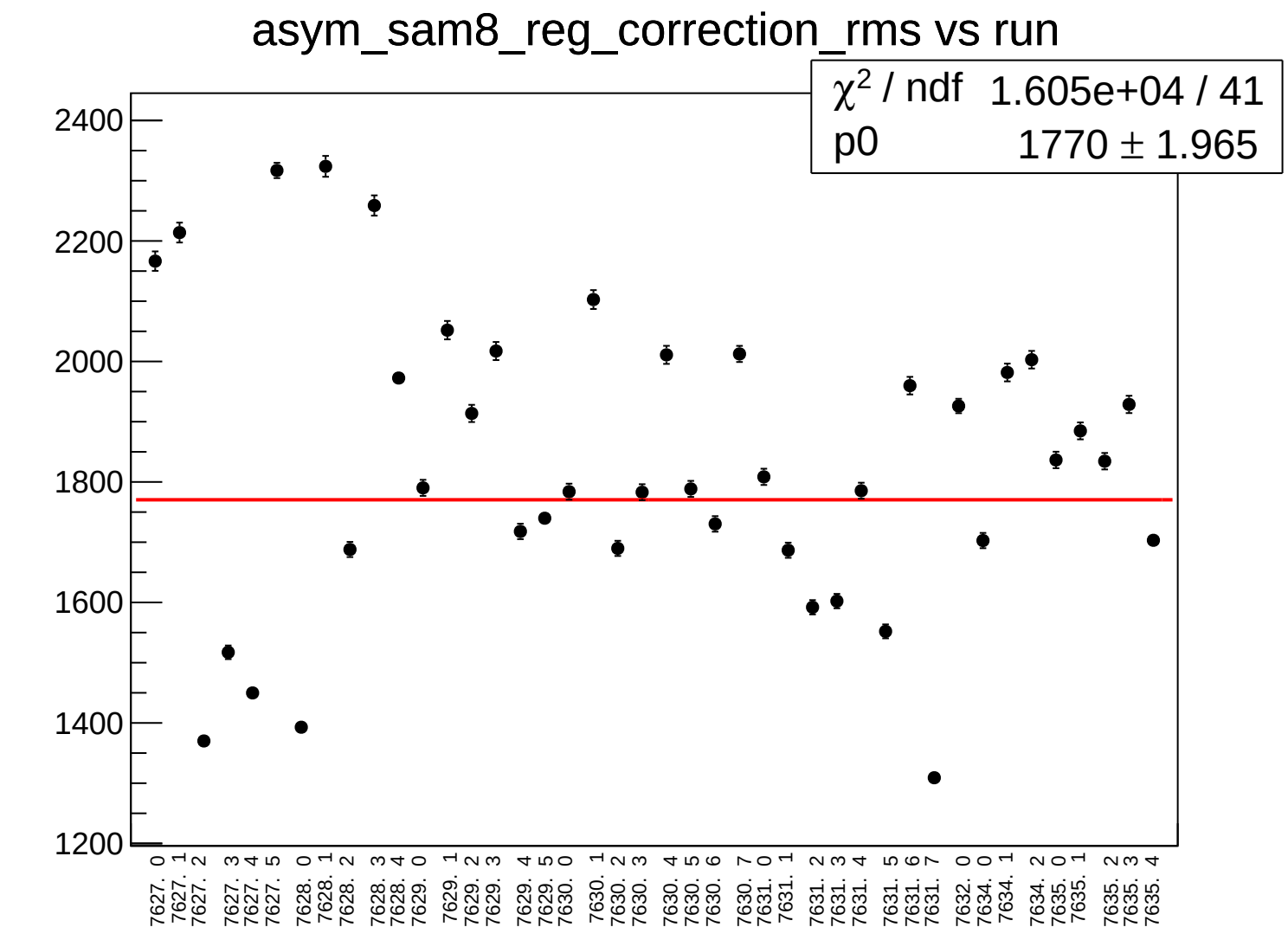

reg_asym_sam8_mean vs run
χ² / ndf 32.94 / 41
p0 −679.8 ± 503.2
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 30.95
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

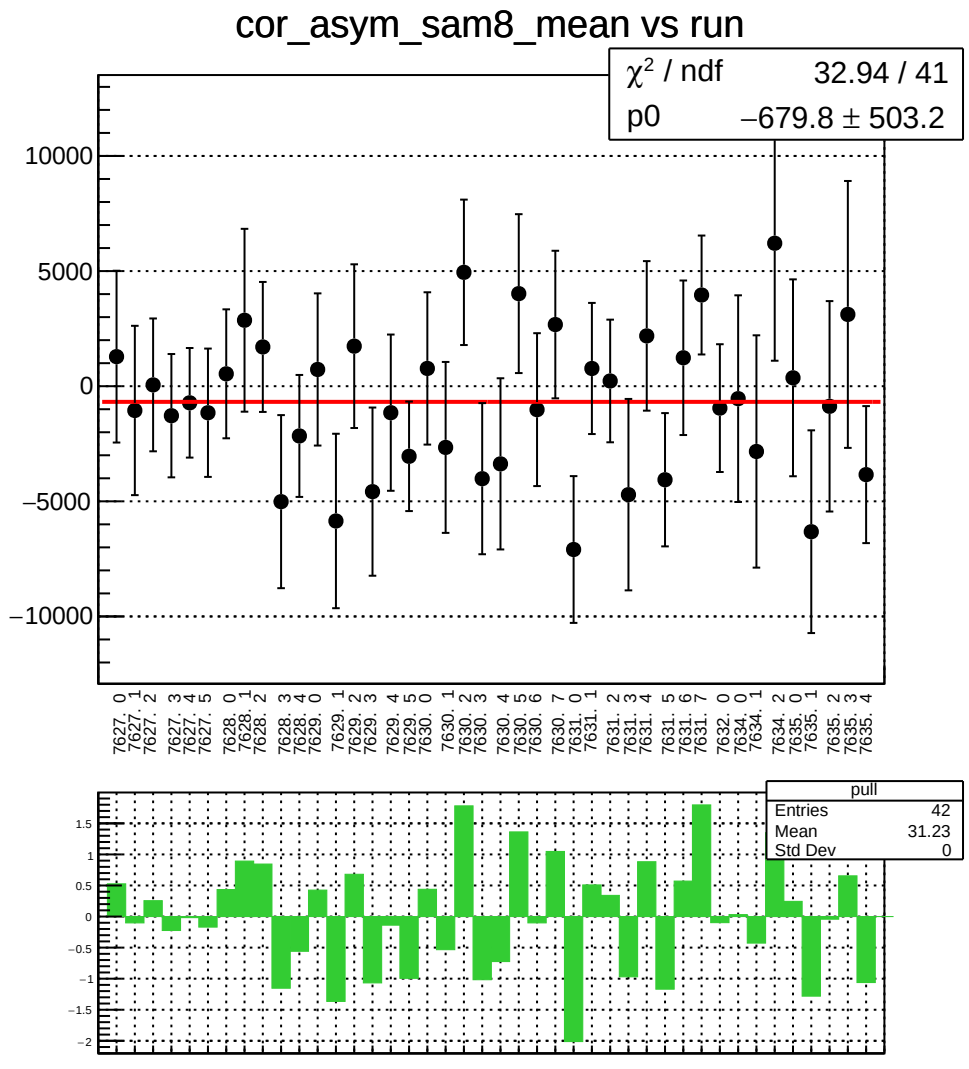

pull1D
Entries 42
Mean −0.003727
Std Dev 0.8856
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

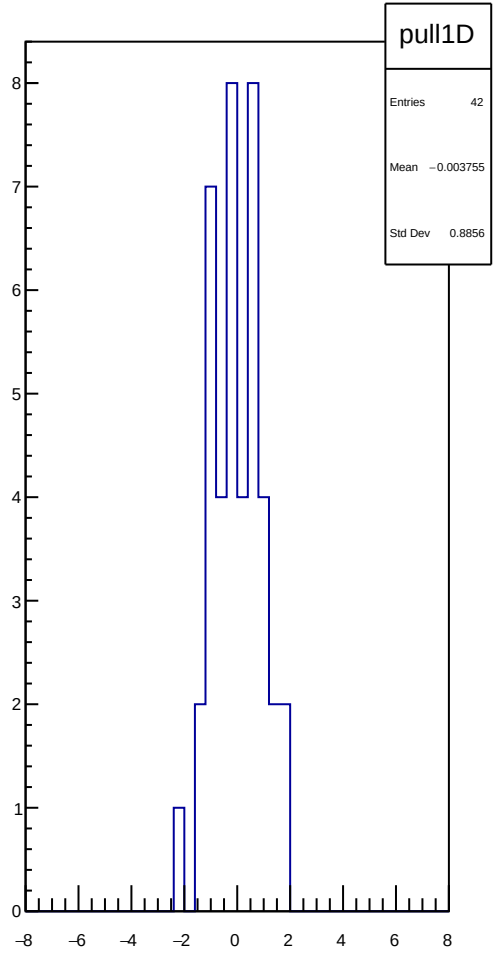

reg_asym_sam8_rms vs run
χ² / ndf 2.446e+04 / 41
p0 318.9 ± 0.3558
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

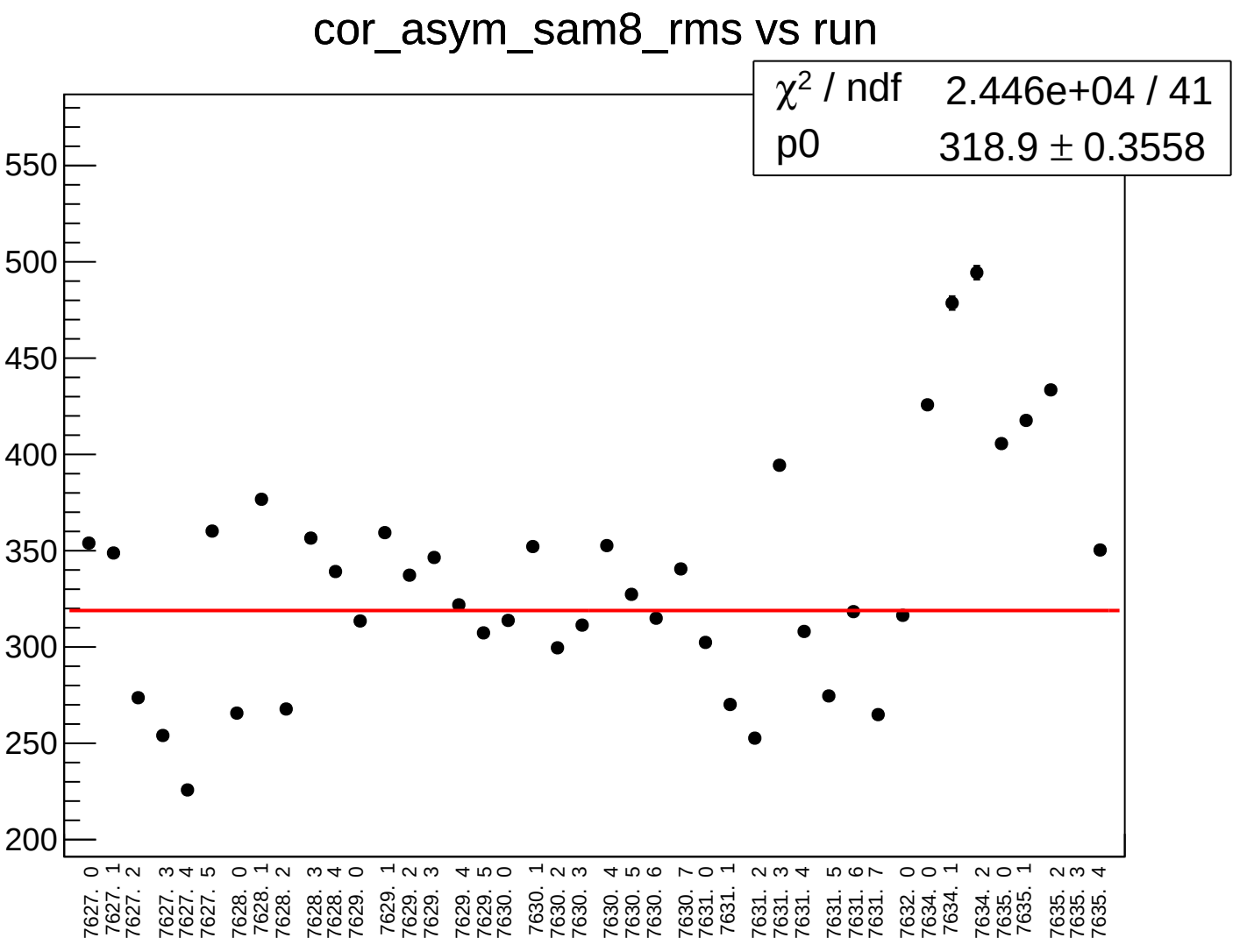

asym_sam8_reg_correction_mean vs run
χ² / ndf 44.74 / 41
p0 −5773 ± 2779
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 52.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

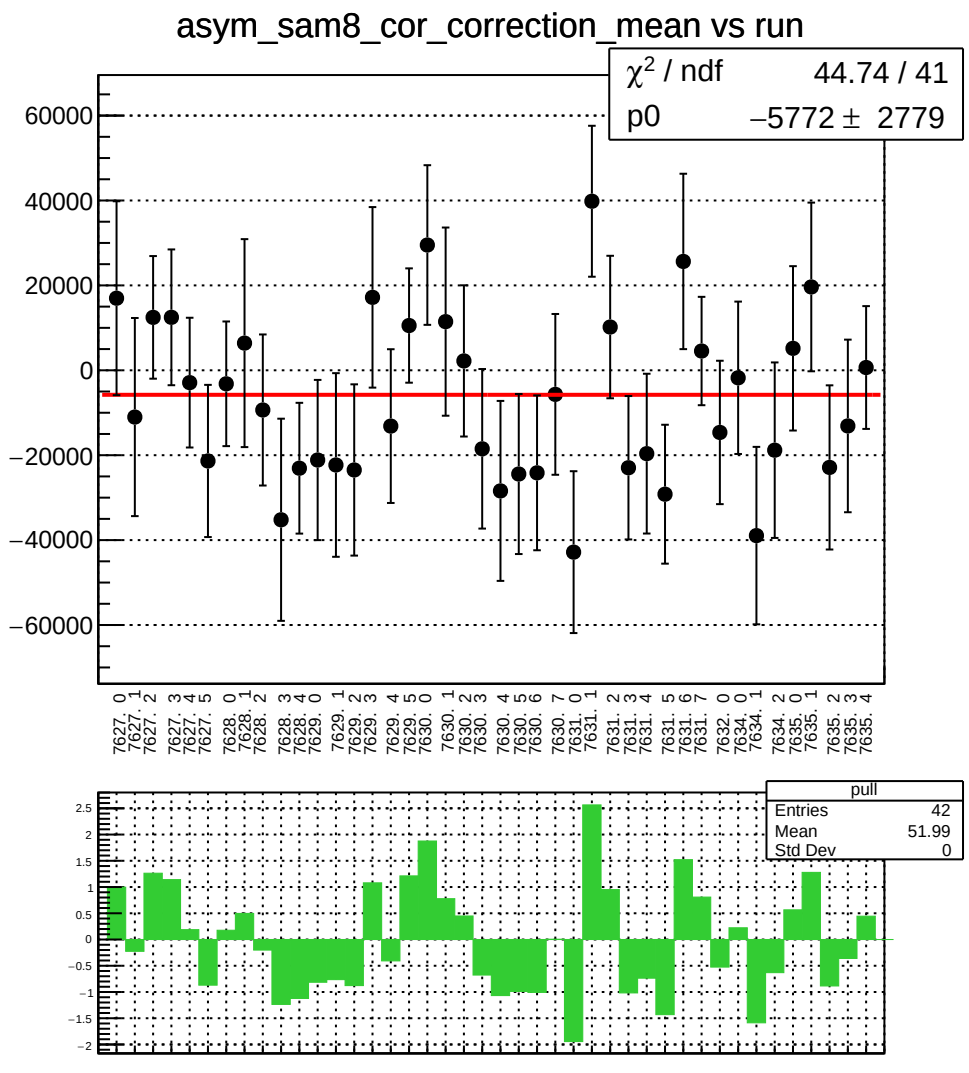

pull1D
Entries 42
Mean −0.03236
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

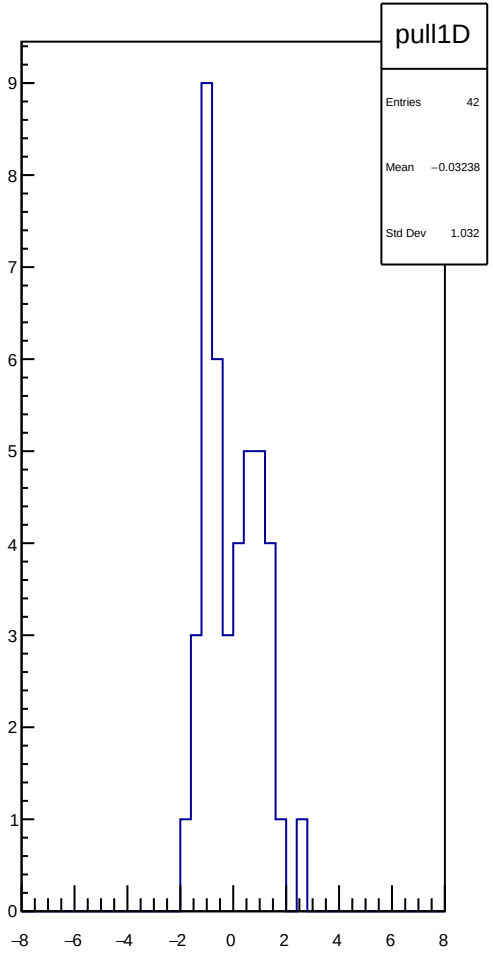

asym_sam8_reg_correction_rms vs run
χ² / ndf 1.605e+04 / 41
p0 1770 ± 1.965
2400
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

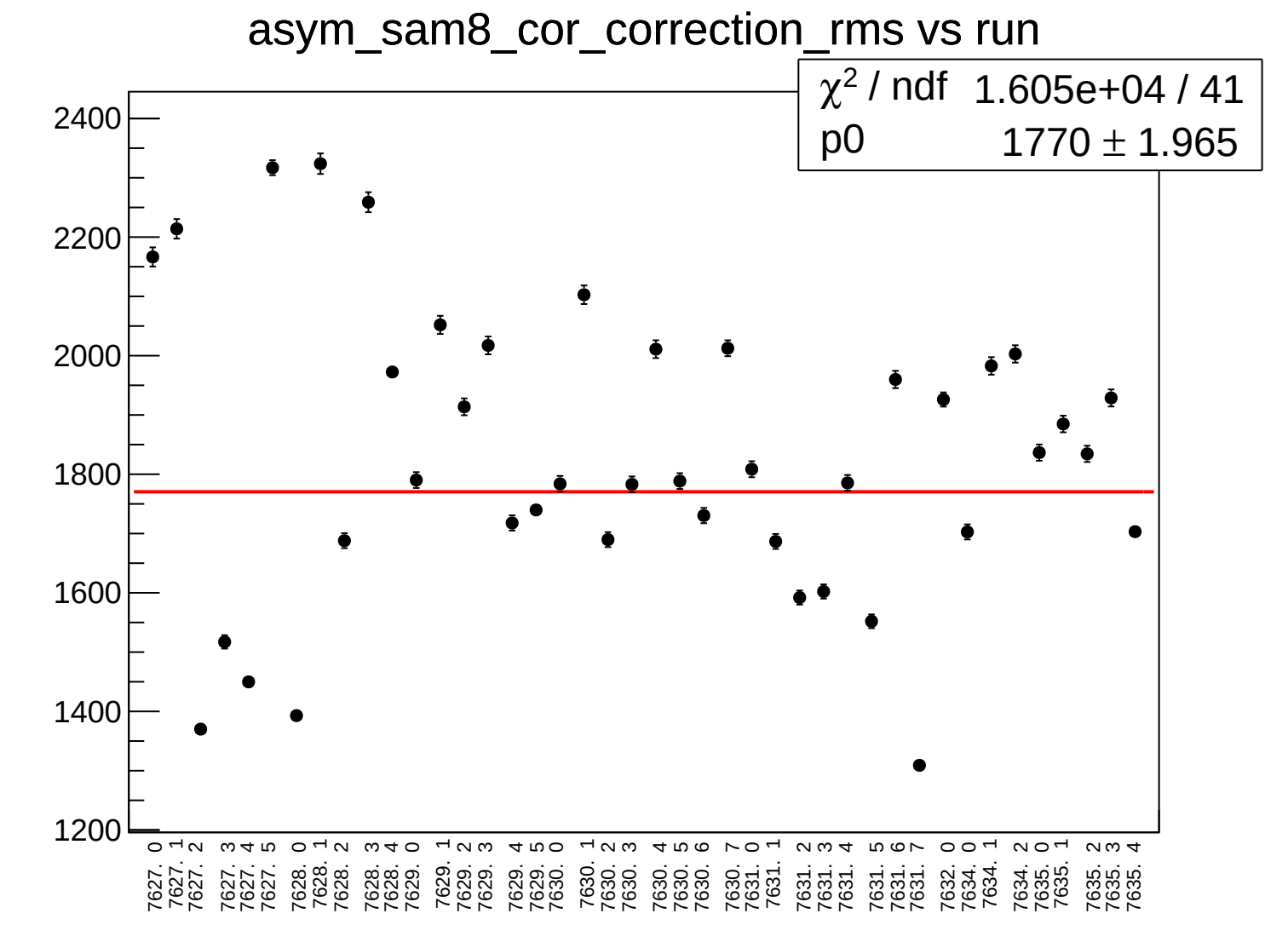

cor_asym_sam8_mean vs run
χ² / ndf 32.94 / 41
p0 −679.8 ± 503.2
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.23
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

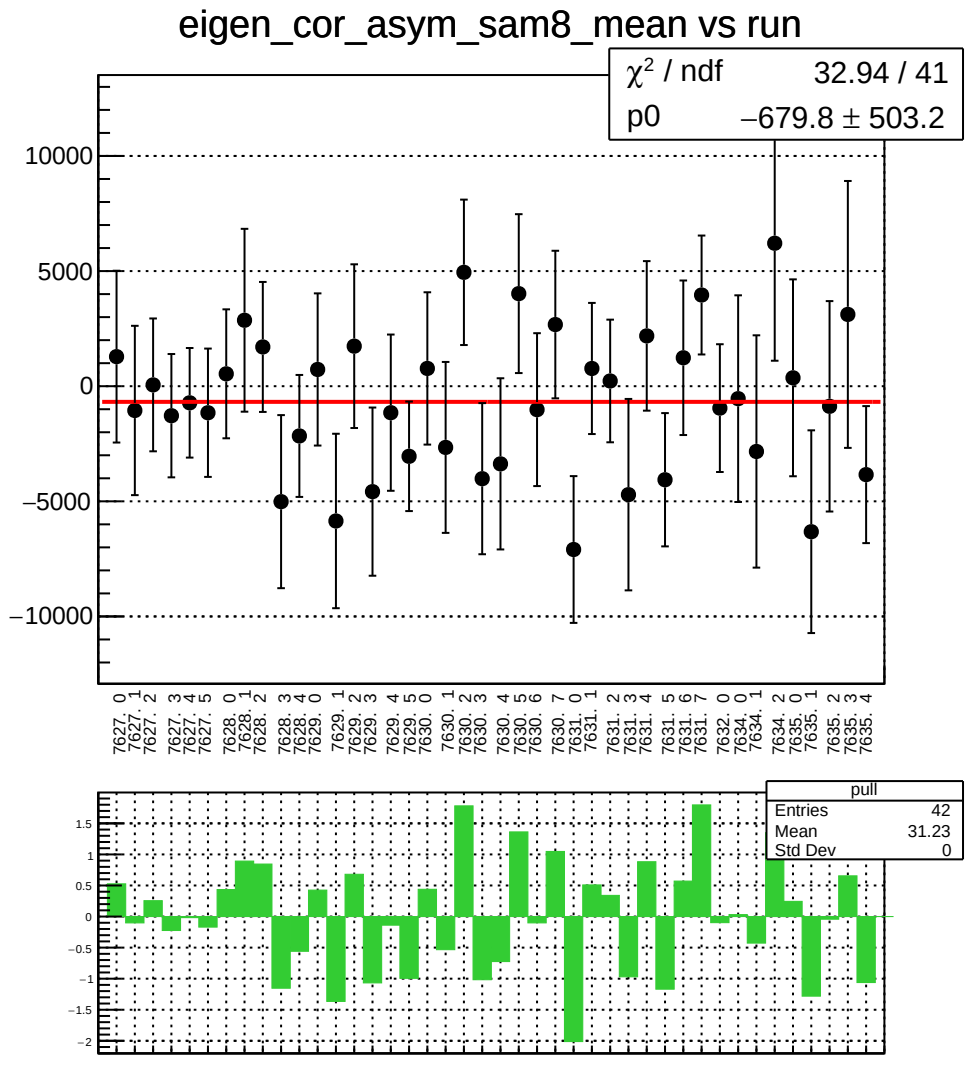

pull1D
Entries 42
Mean −0.003755
Std Dev 0.8856
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

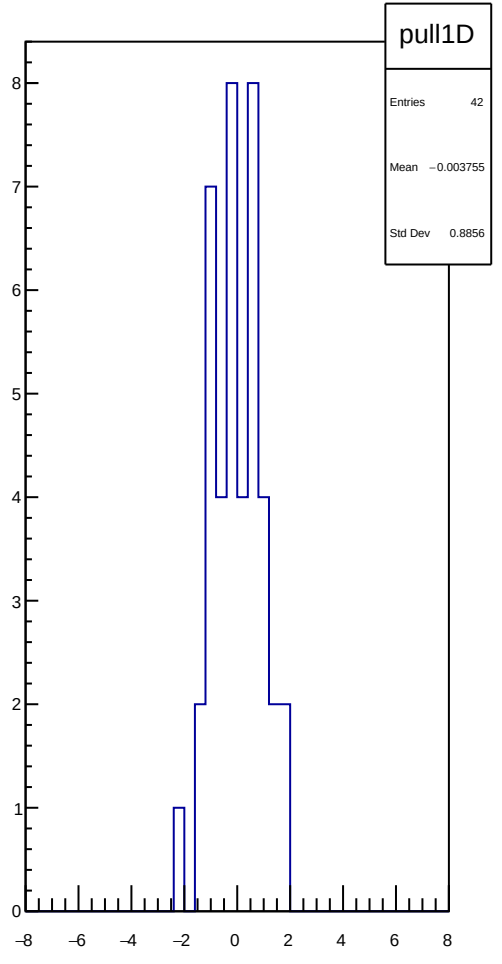

cor_asym_sam8_rms vs run
χ² / ndf 2.446e+04 / 41
p0 318.9 ± 0.3558
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

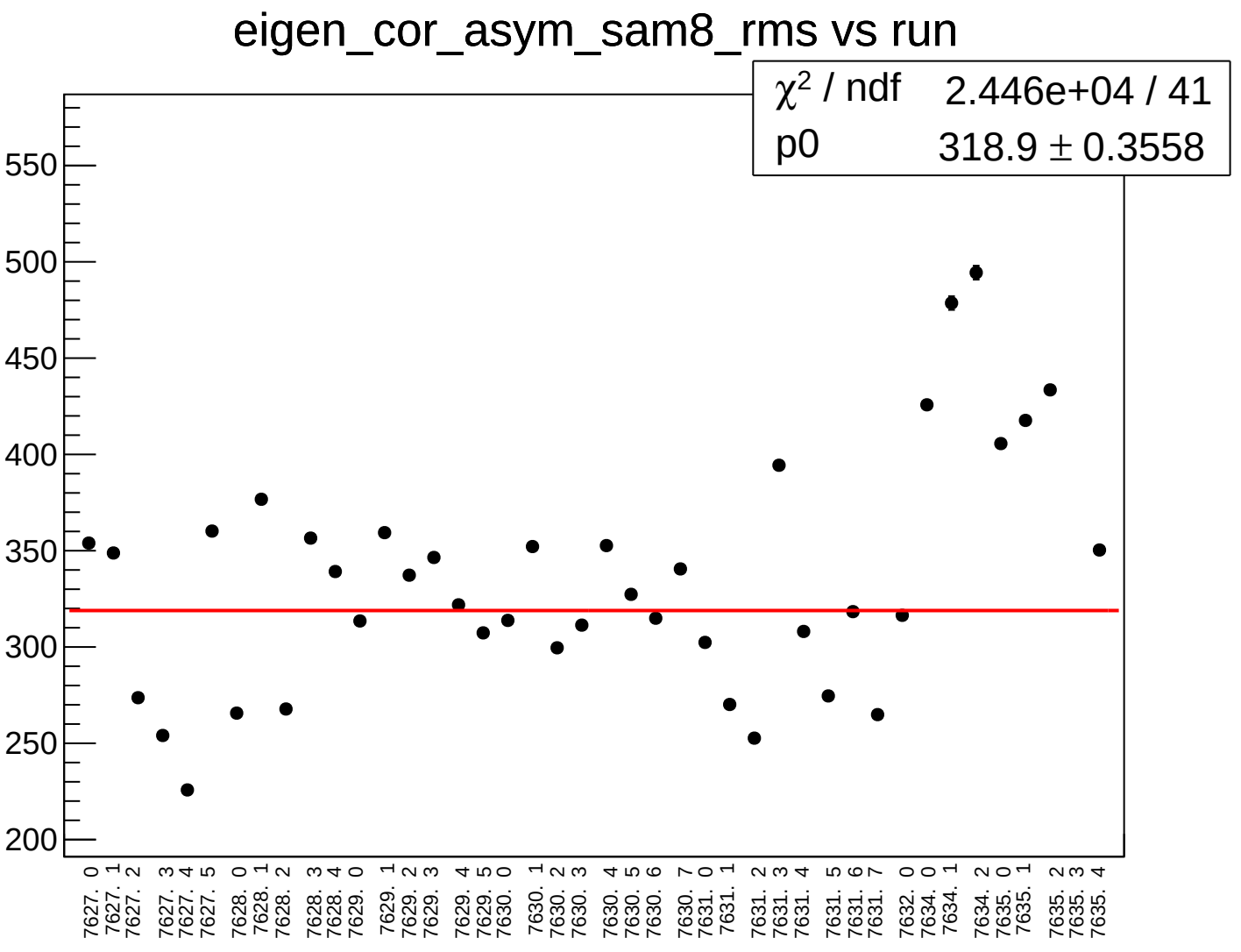

asym_sam8_cor_correction_mean vs run
χ² / ndf 44.74 / 41
p0 −5772 ± 2779
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 51.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

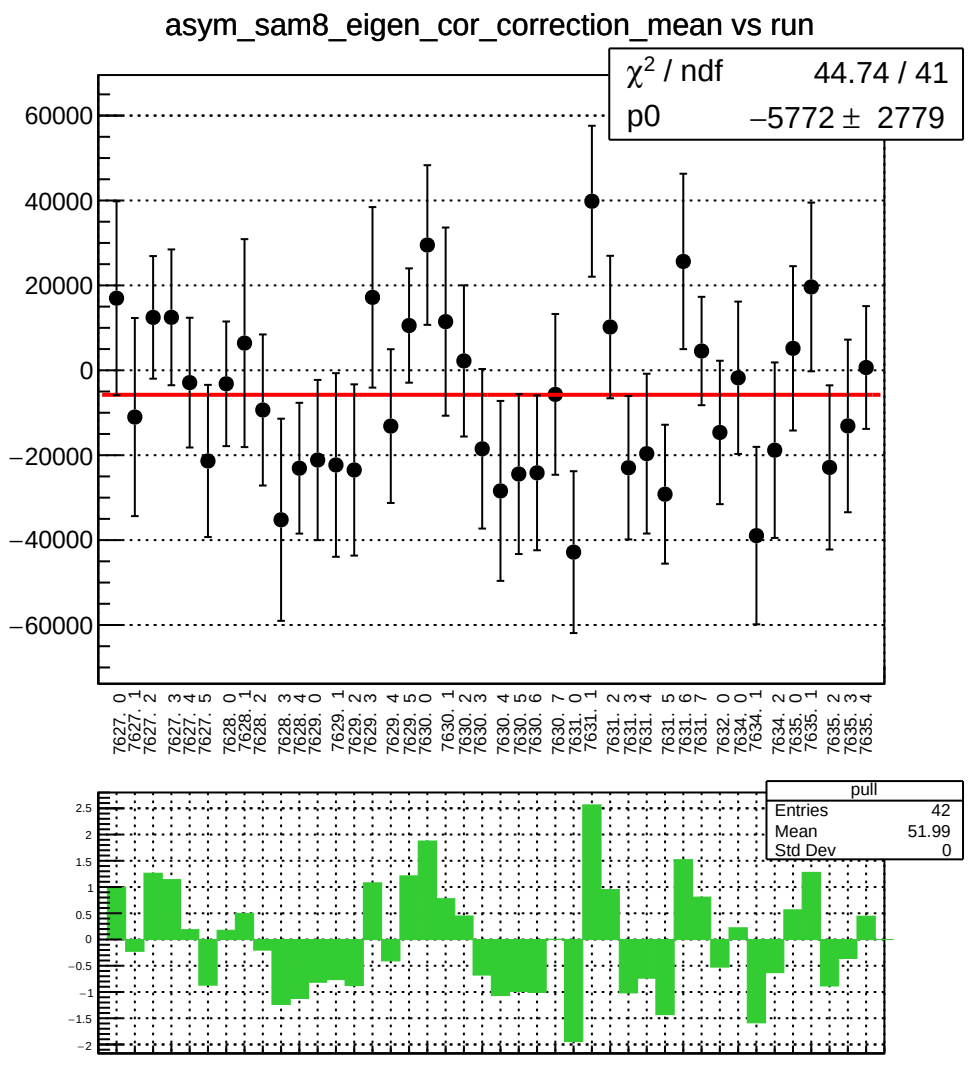

pull1D
Entries 42
Mean −0.03238
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

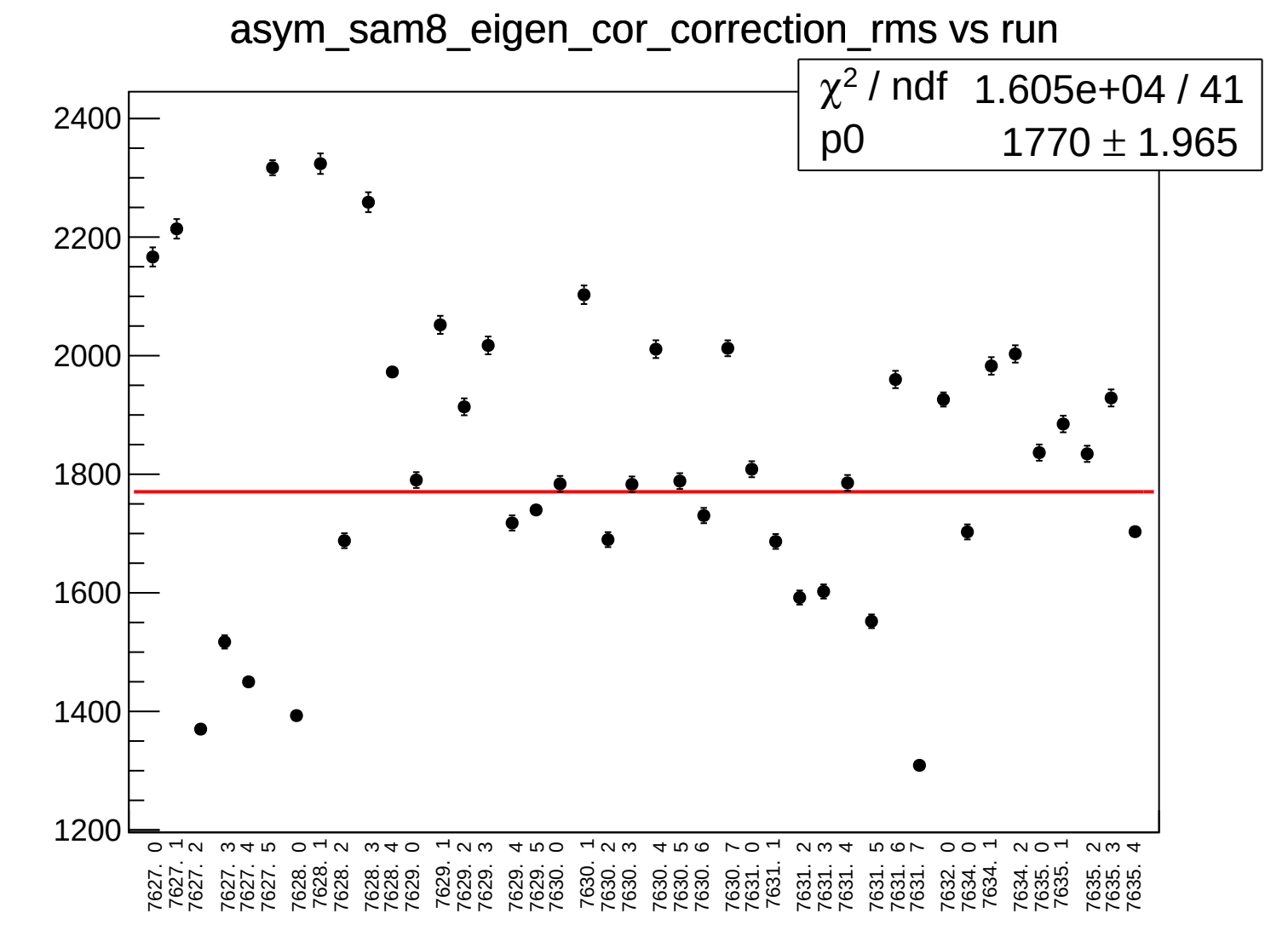

asym_sam8_cor_correction_rms vs run
χ² / ndf 1.605e+04 / 41
p0 1770 ± 1.965
2400
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

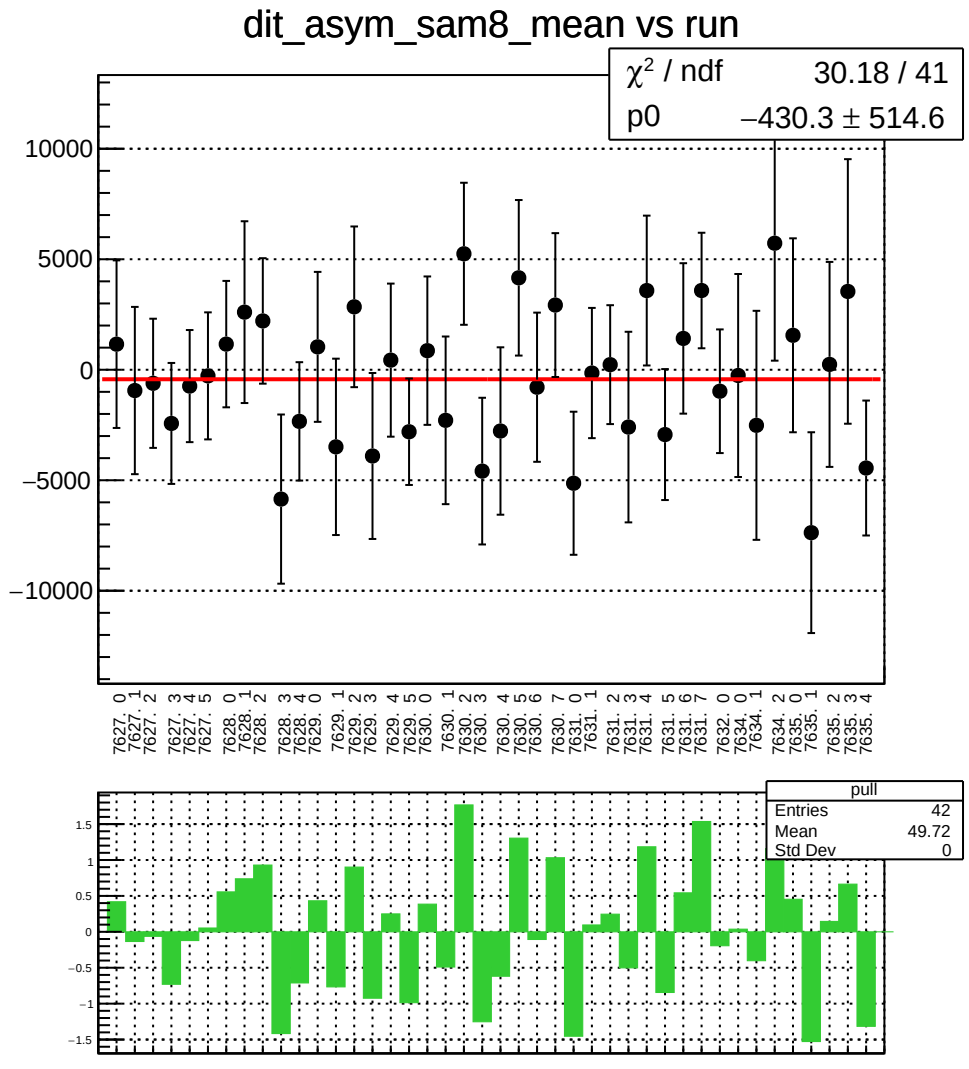

eigen_cor_asym_sam8_mean vs run
χ² / ndf 32.94 / 41
p0 −679.8 ± 503.2
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.23
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

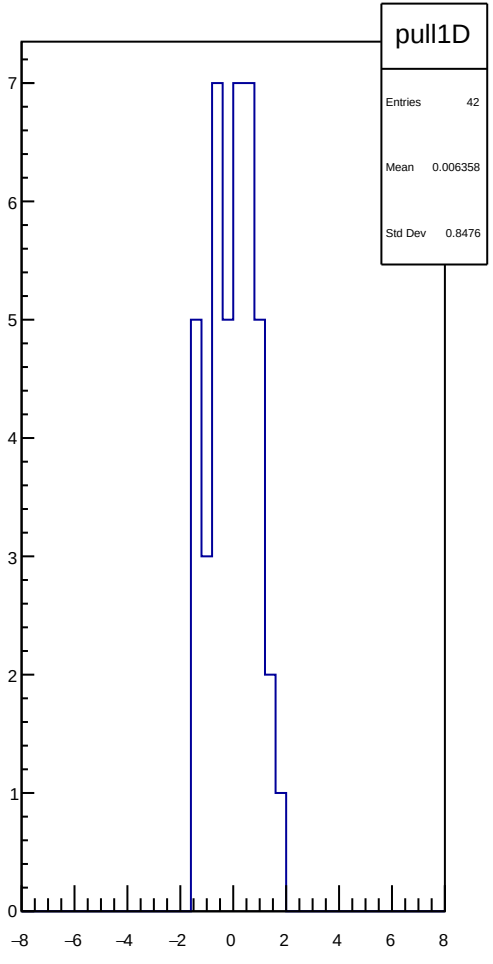

pull1D
Entries 42
Mean −0.003755
Std Dev 0.8856
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

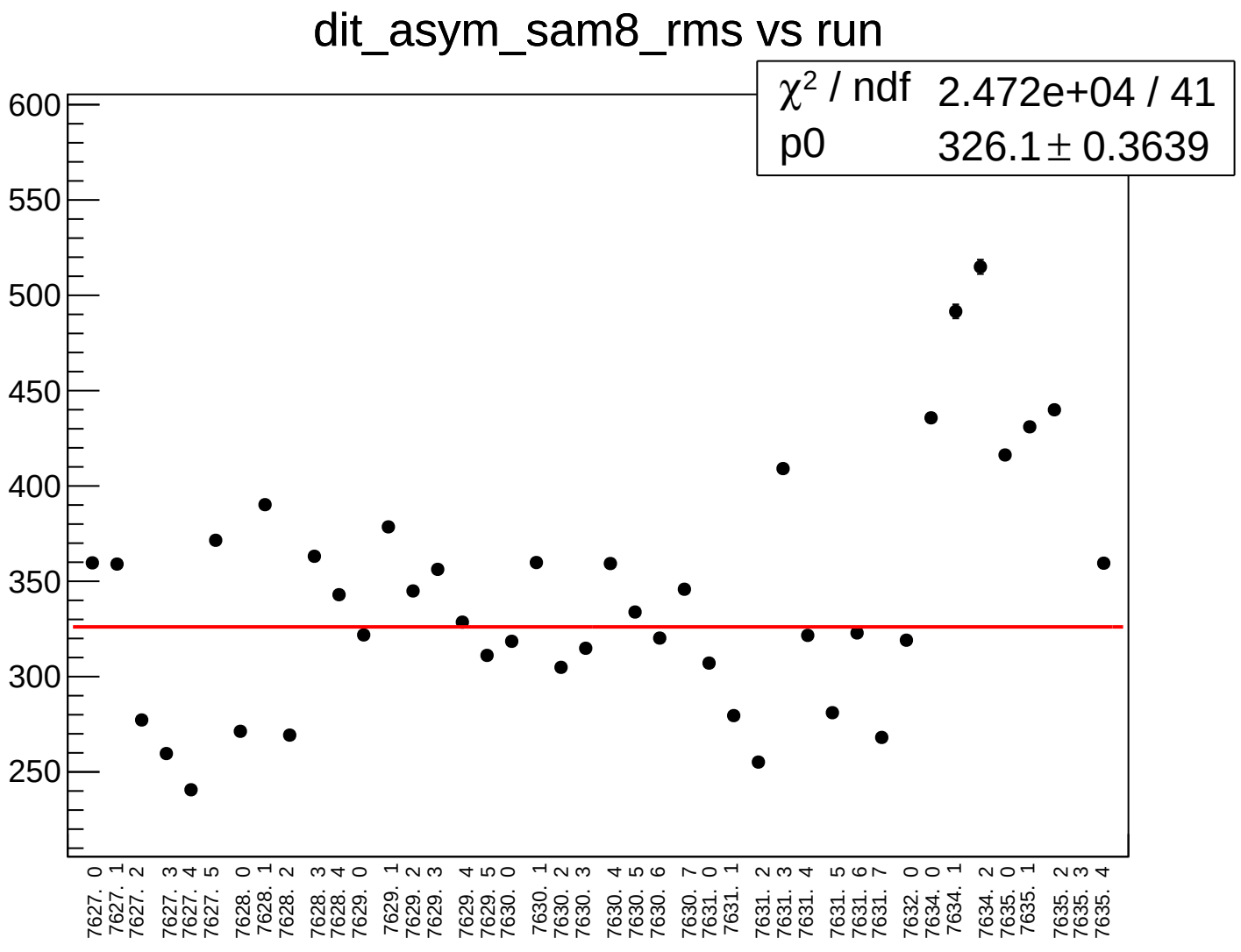

eigen_cor_asym_sam8_rms vs run
χ² / ndf 2.446e+04 / 41
p0 318.9 ± 0.3558
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 44.74 / 41
p0 −5772 ± 2779
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 51.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03238
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 1.605e+04 / 41
p0 1770 ± 1.965
2400
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_sam8_mean vs run
χ² / ndf 30.18 / 41
p0 −430.3 ± 514.6
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 49.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.006358
Std Dev 0.8476
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam8_rms vs run
χ² / ndf 2.472e+04 / 41
p0 326.1 ± 0.3639
600
550
500
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7635. 1
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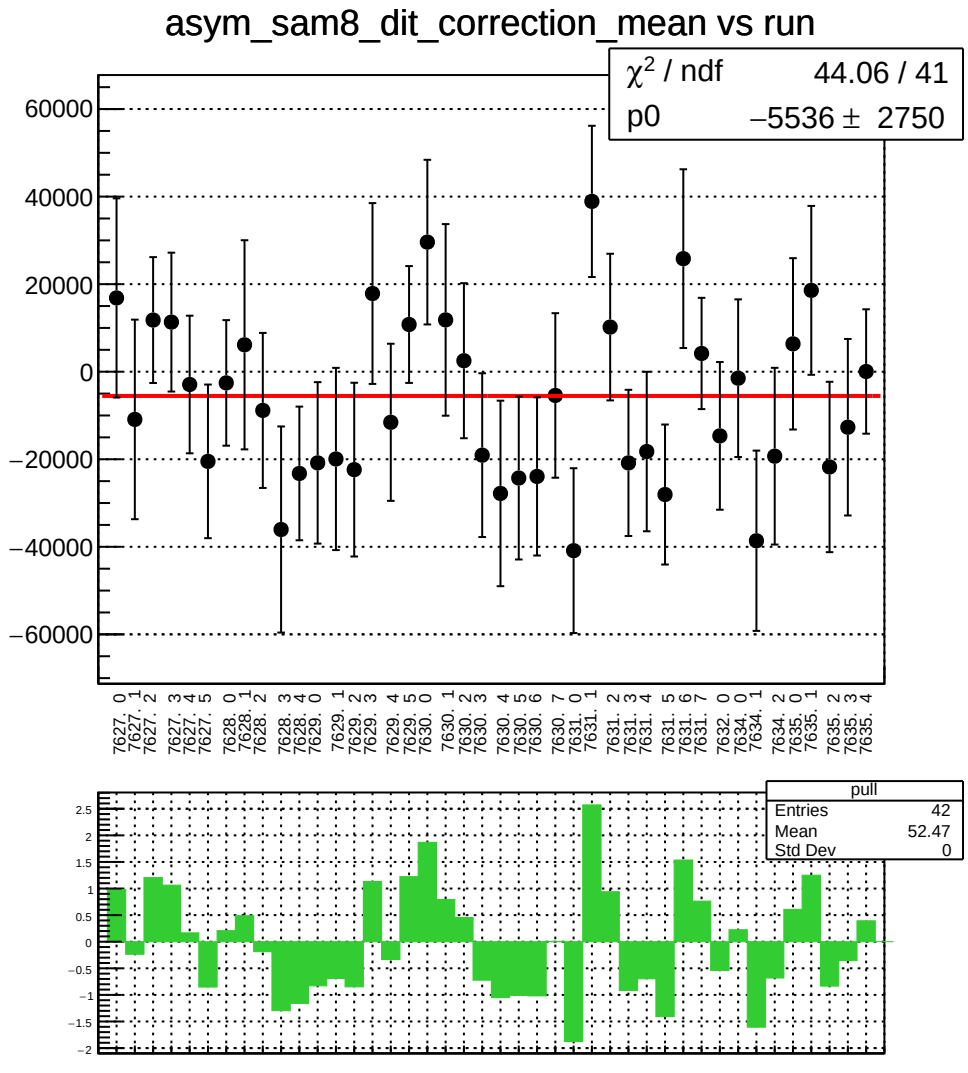
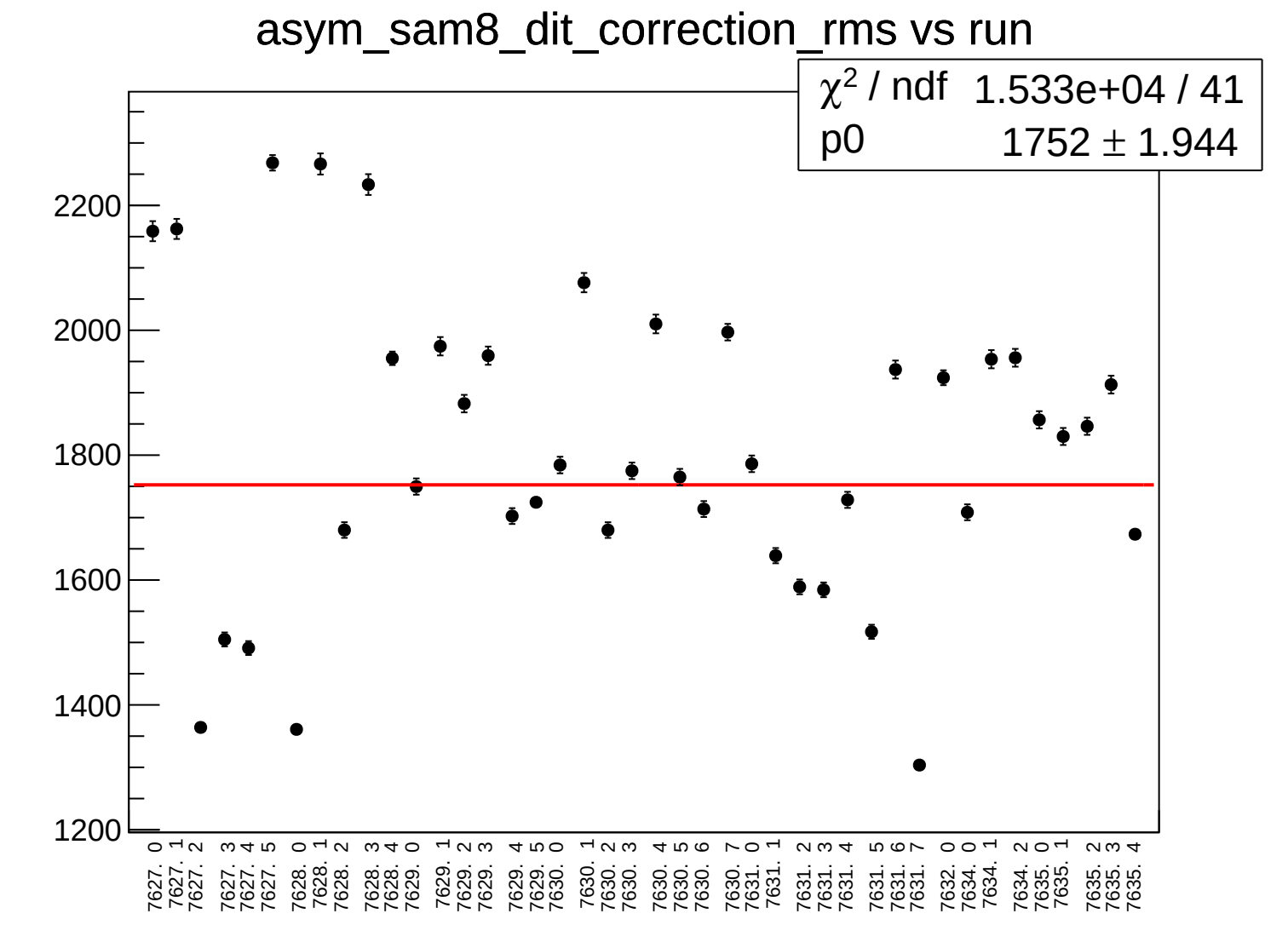
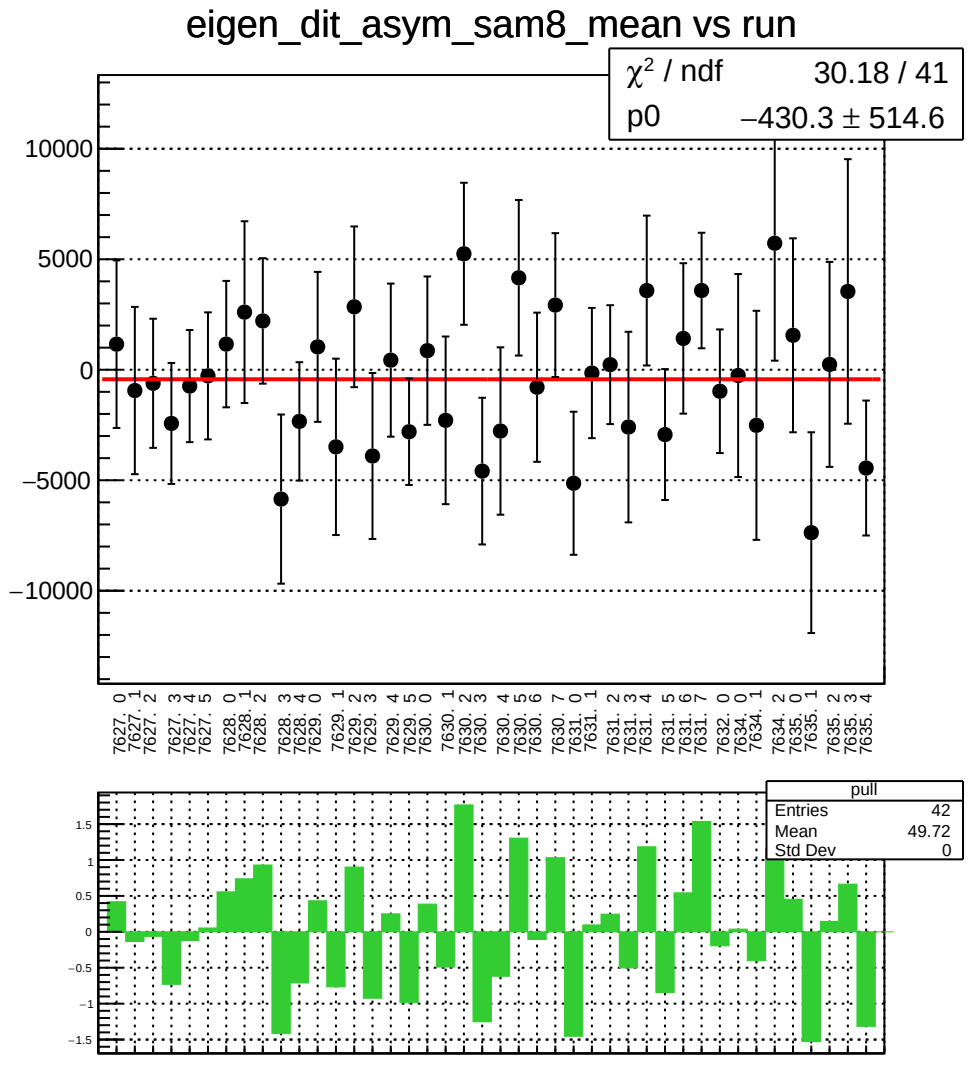
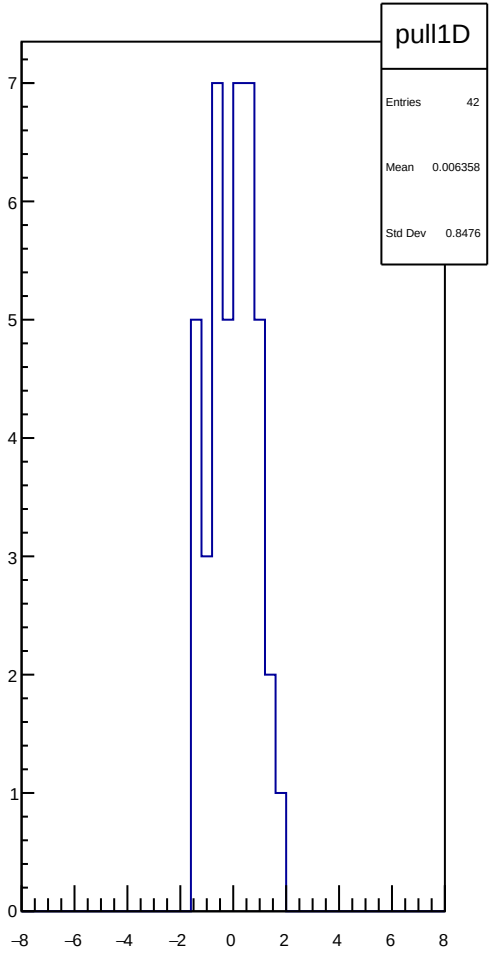
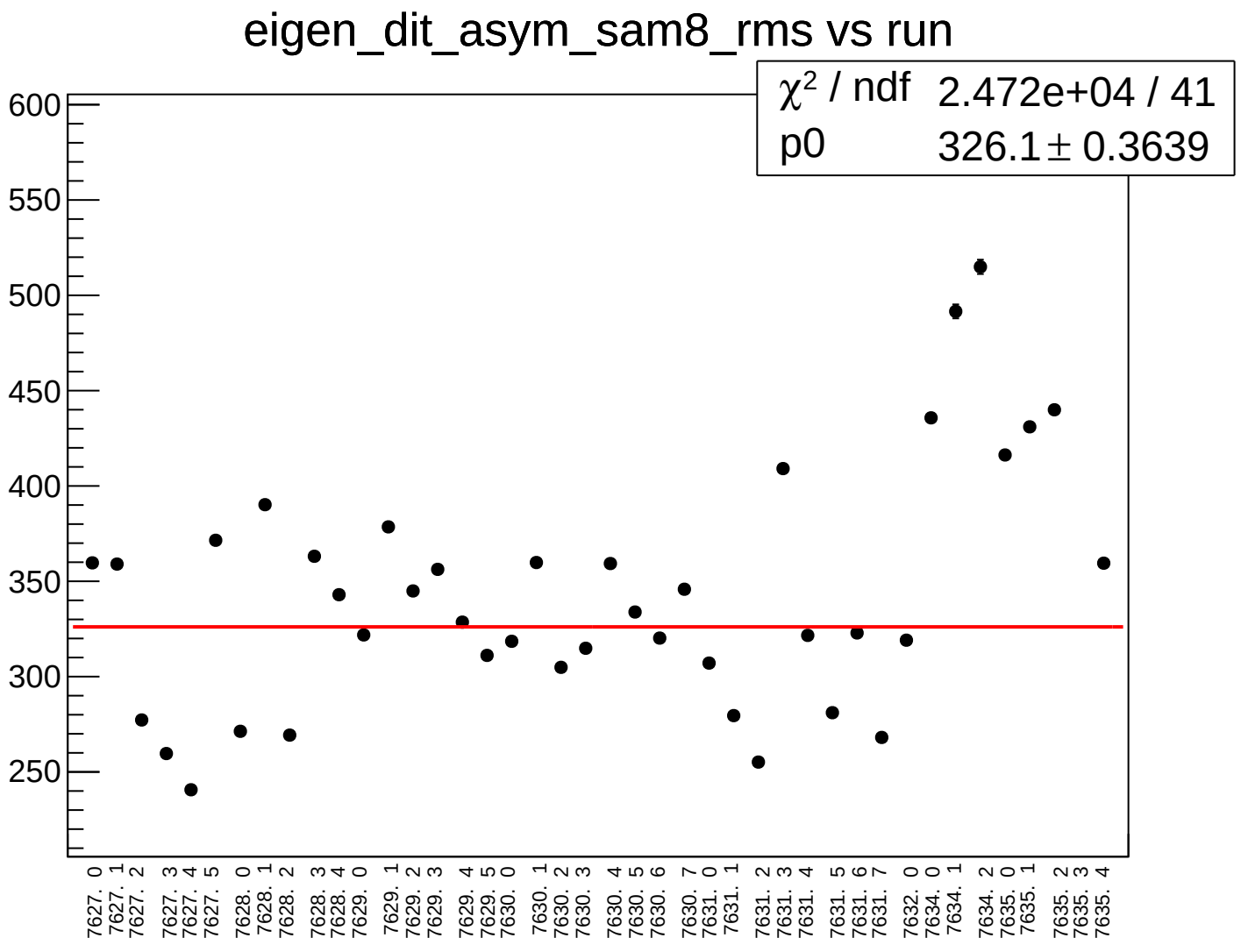
7635. 3
7635. 4

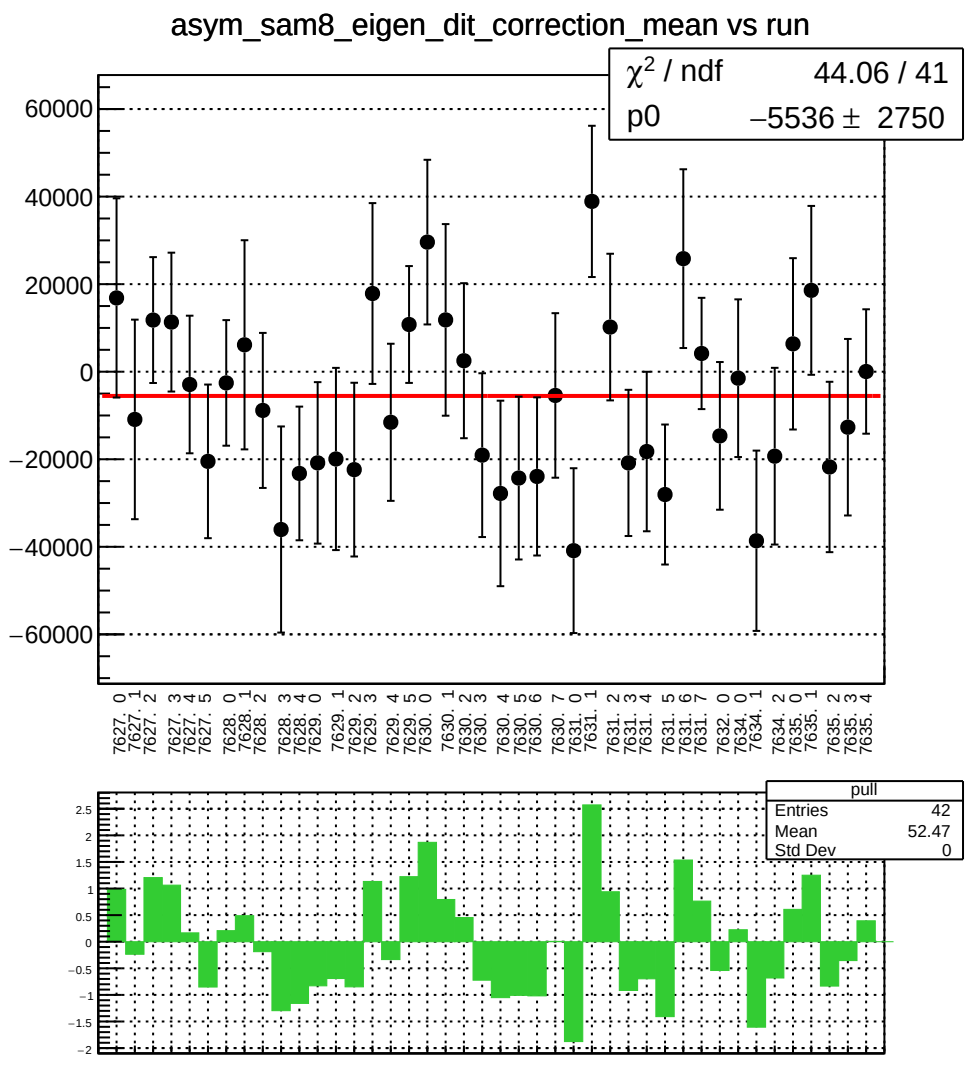

asym_sam8_dit_correction_mean vs run
χ² / ndf 44.06 / 41
p0 −5536 ± 2750
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 52.47
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03022
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

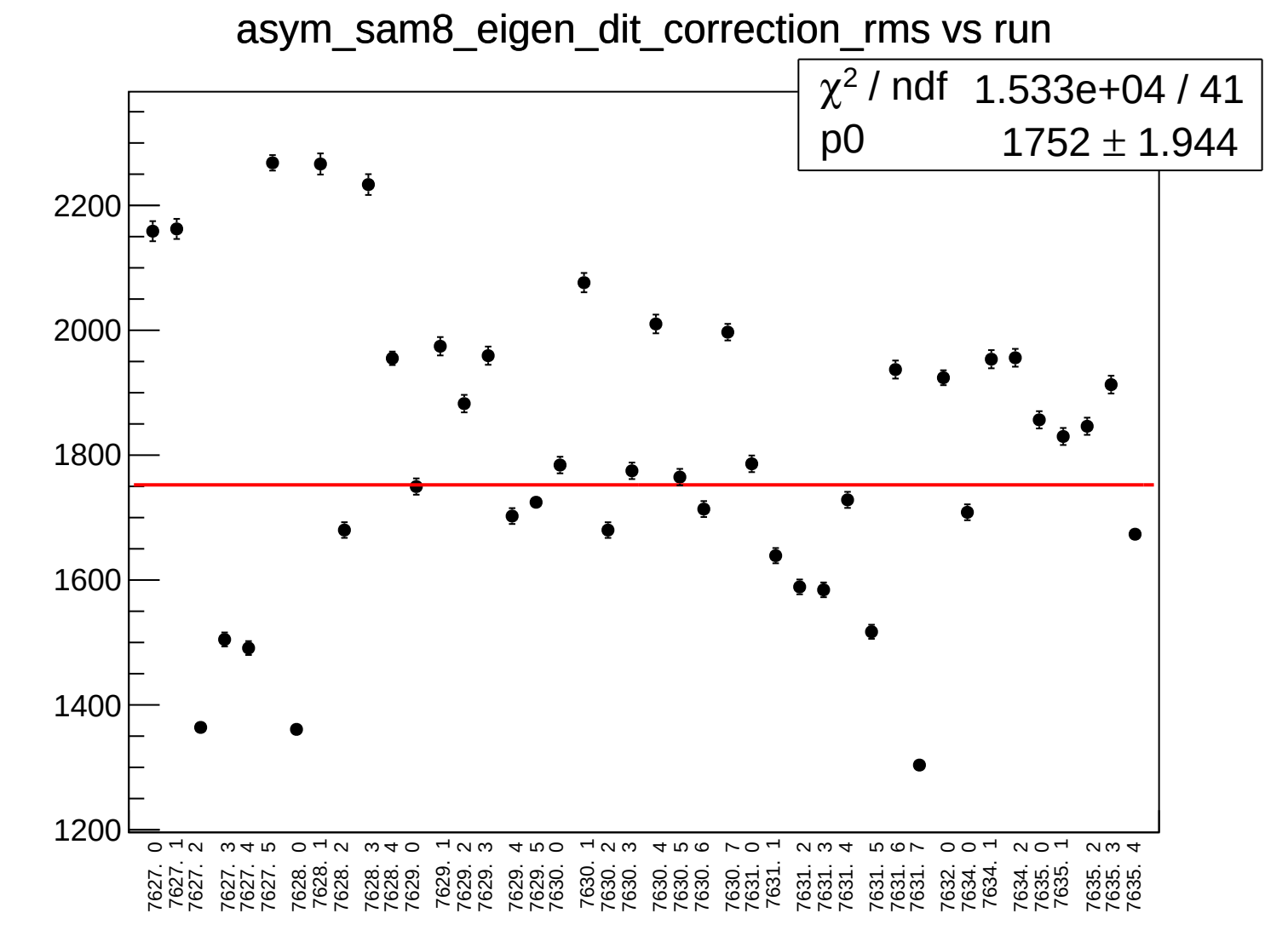

asym_sam8_dit_correction_rms vs run
χ² / ndf 1.533e+04 / 41
p0 1752 ± 1.944
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_sam8_mean vs run
χ² / ndf 30.18 / 41
p0 −430.3 ± 514.6
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 49.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.006358
Std Dev 0.8476
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 2.472e+04 / 41
p0 326.1 ± 0.3639
600
550
500
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 44.06 / 41
p0 −5536 ± 2750
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 52.47
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03022
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 1.533e+04 / 41
p0 1752 ± 1.944
2200
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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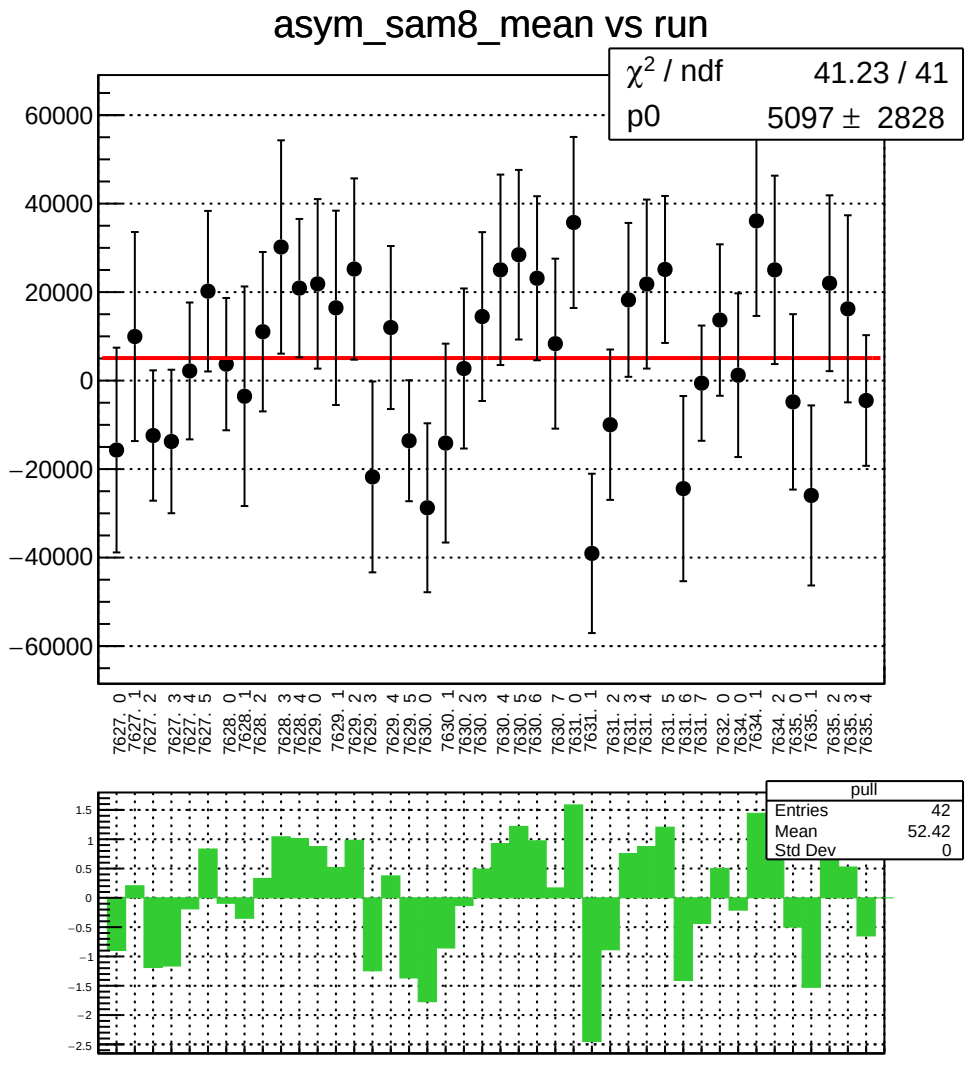
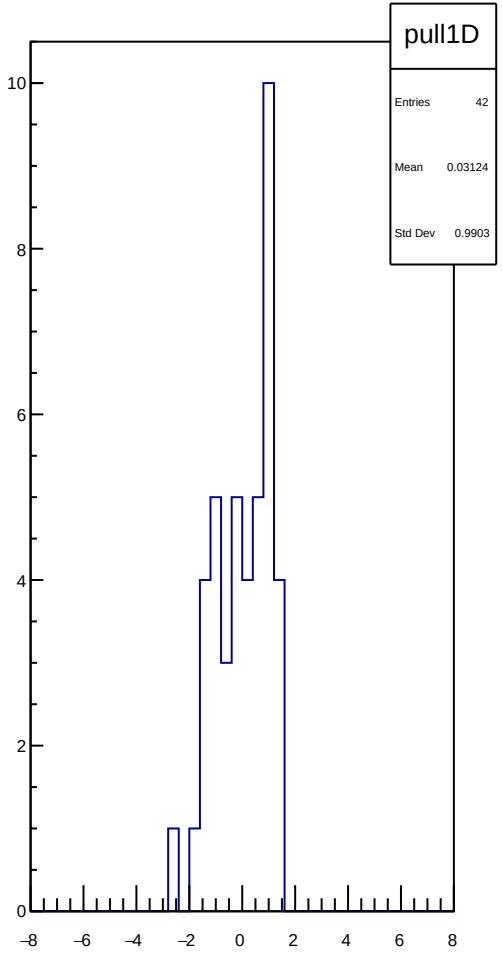
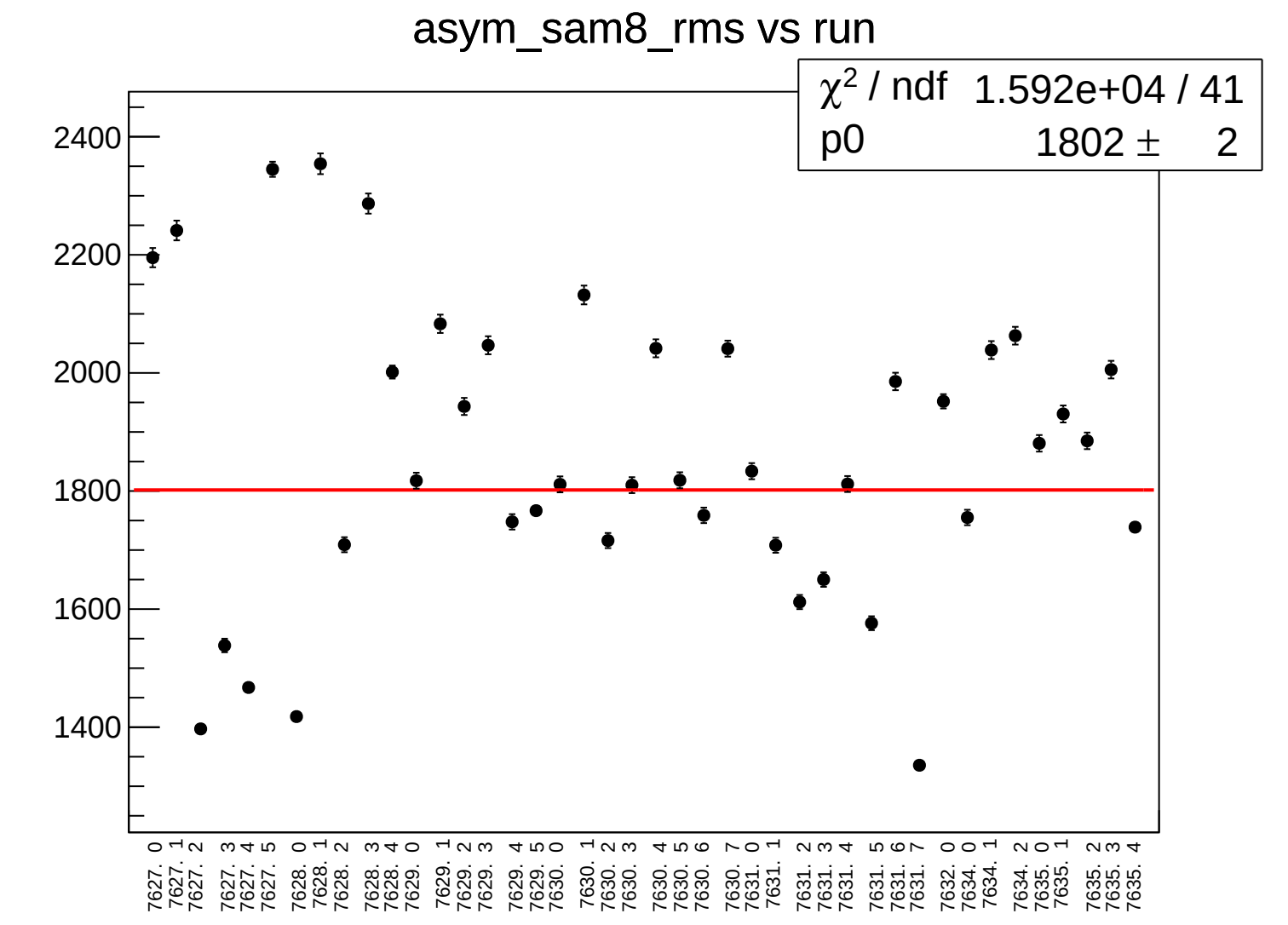
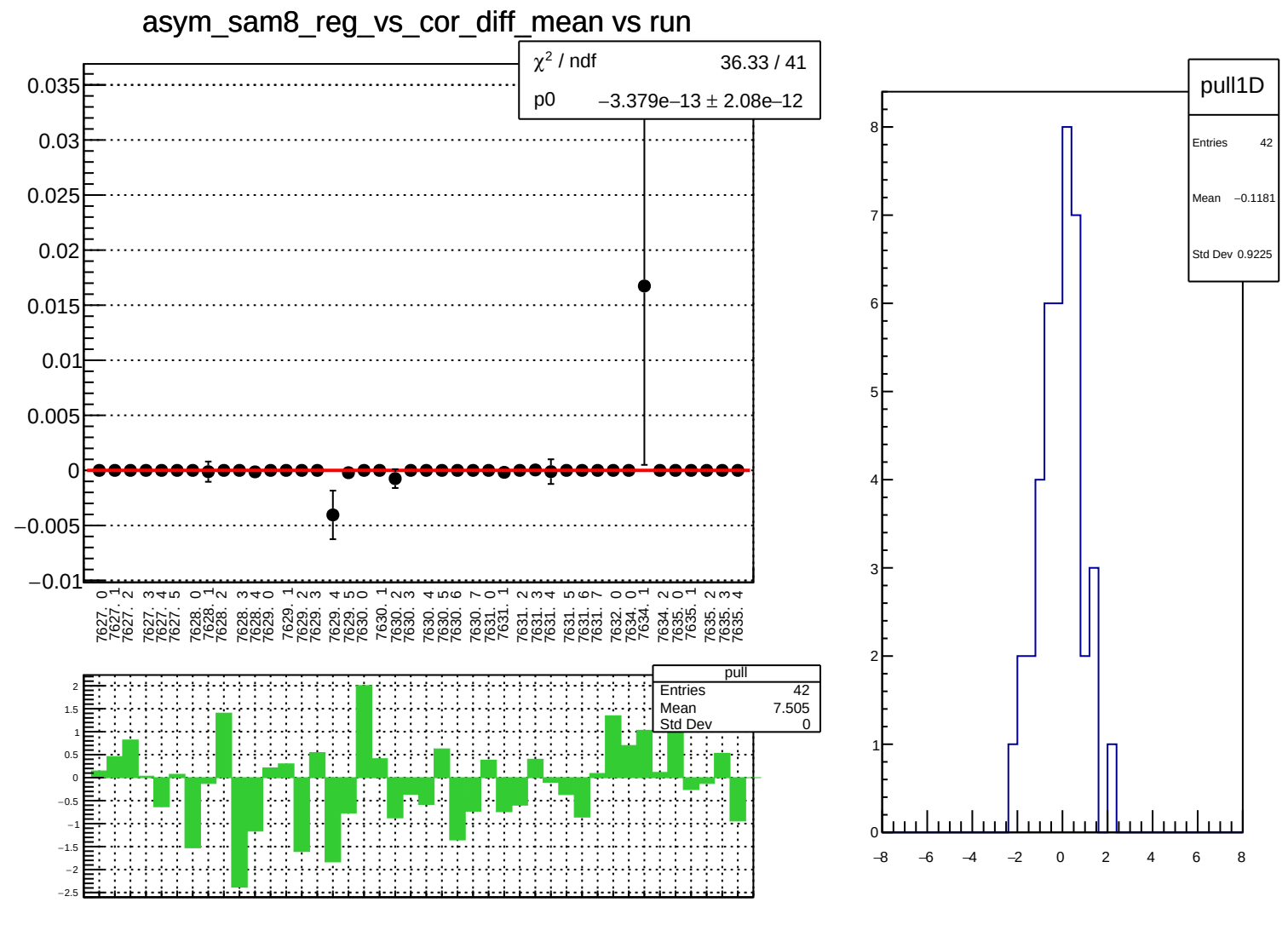
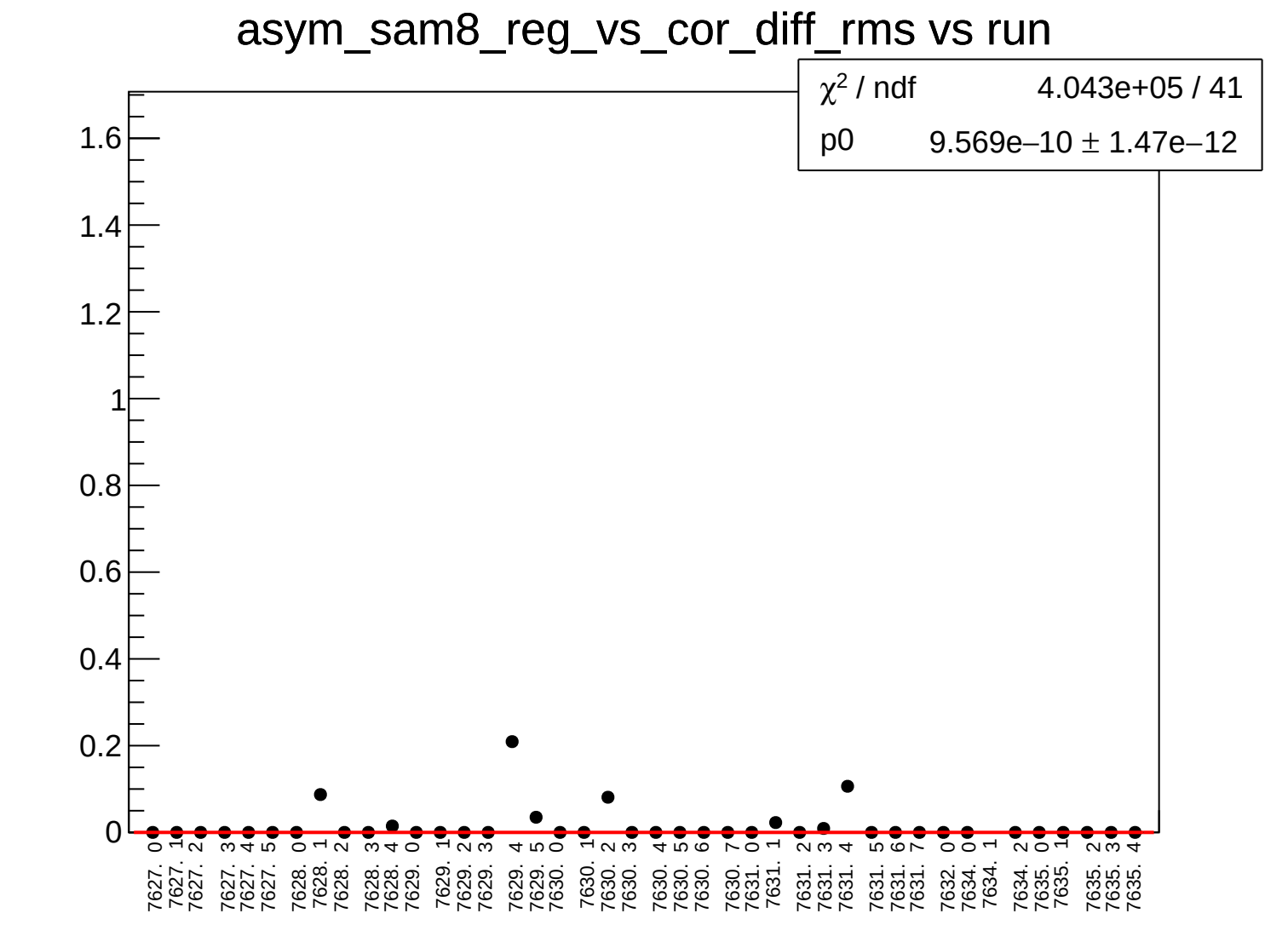
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

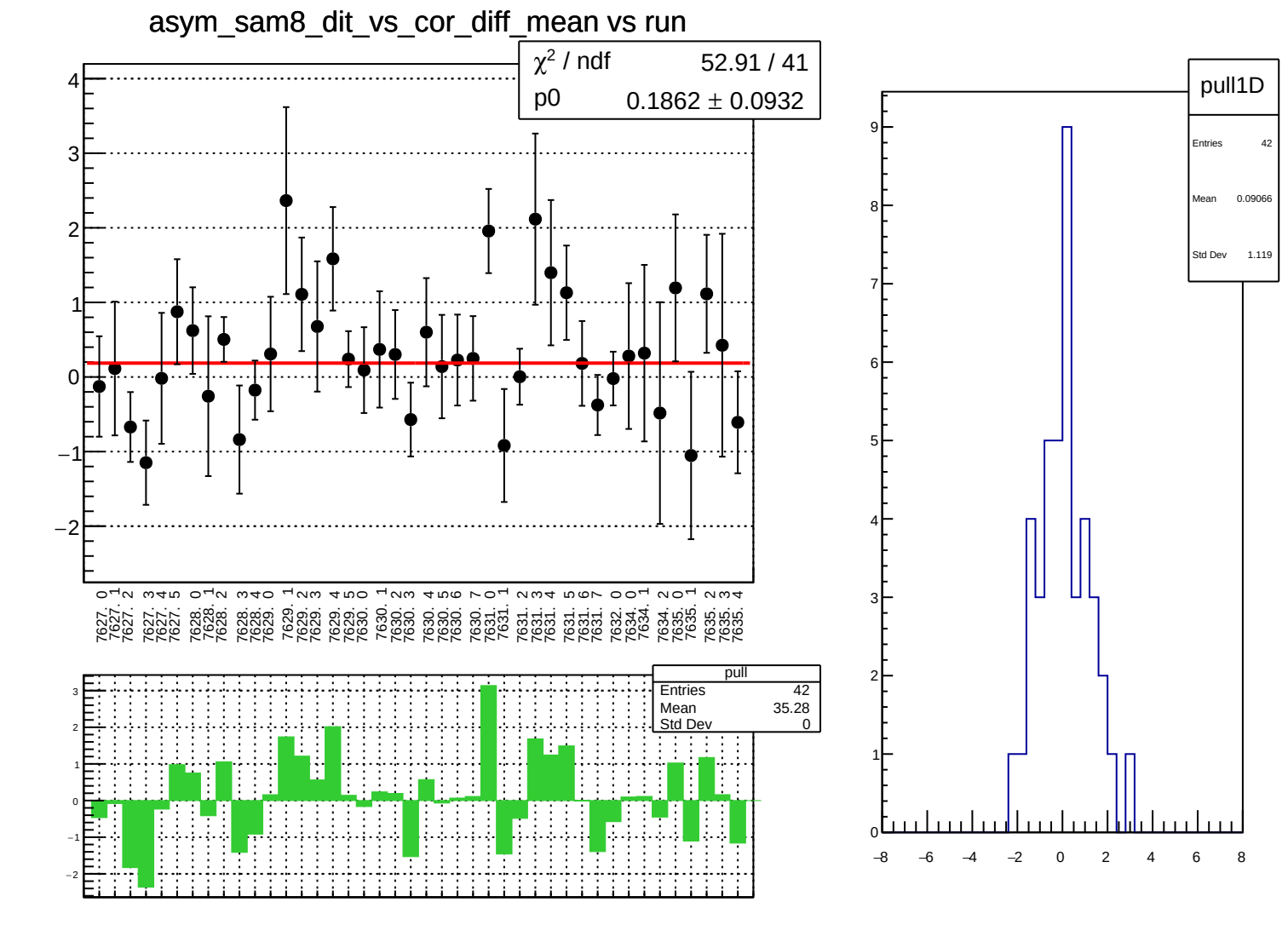

asym_sam8_mean vs run
χ² / ndf 41.23 / 41
p0 5097 ± 2828
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 52.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

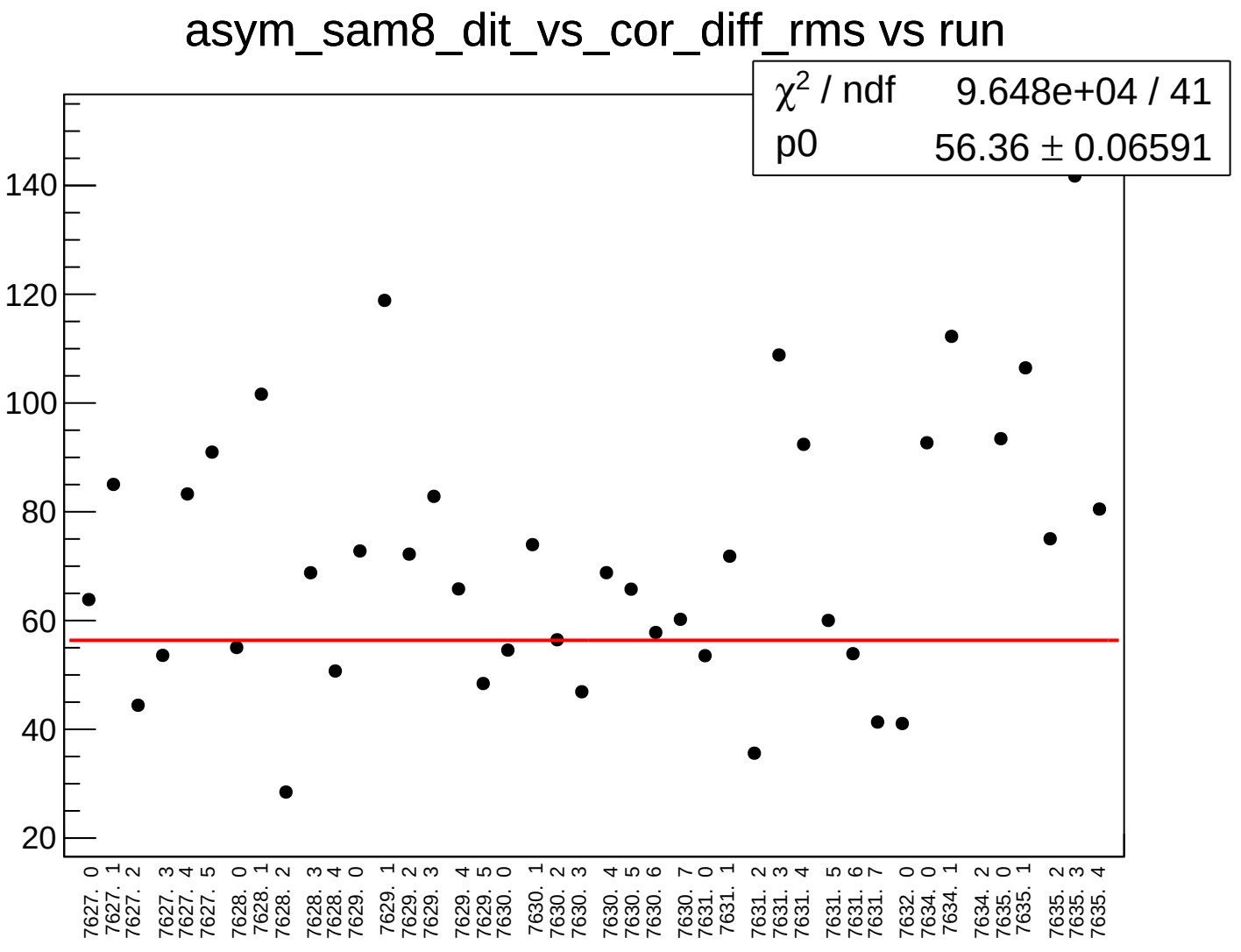

pull1D
Entries 42
Mean 0.03124
Std Dev 0.9903
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

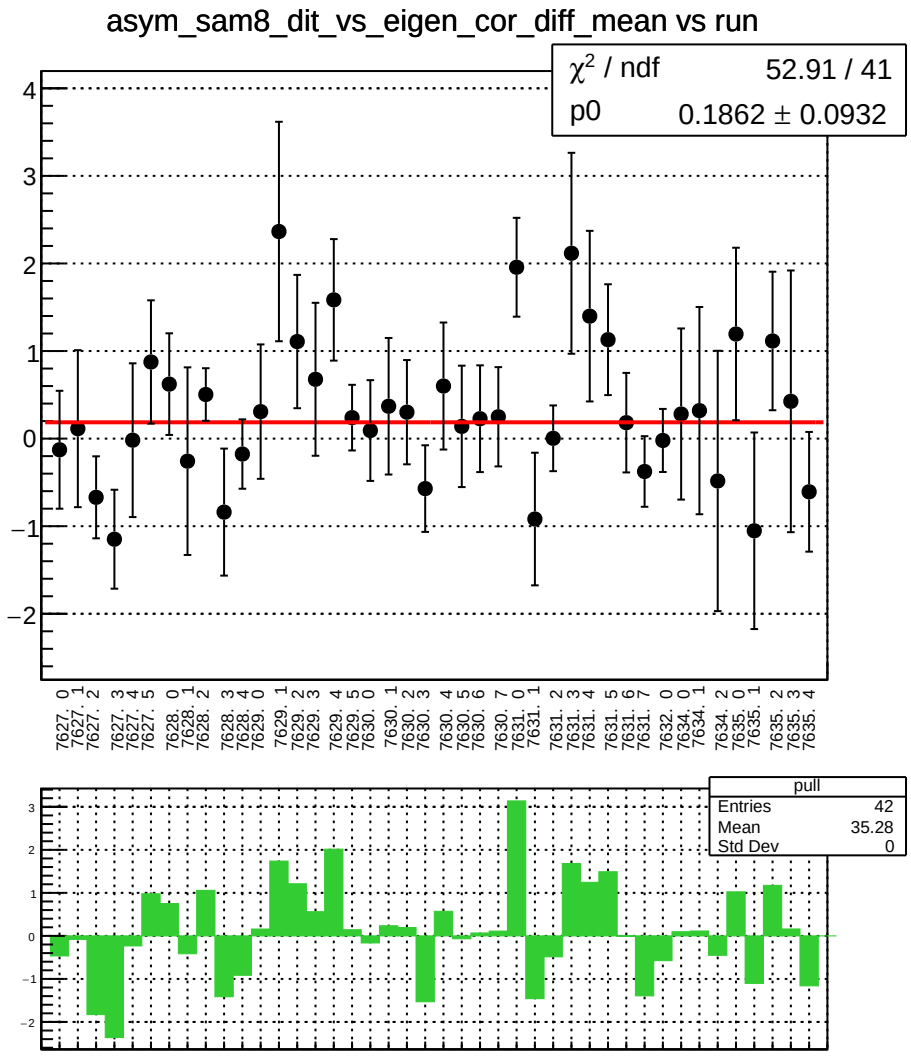

asym_sam8_rms vs run
χ² / ndf 1.592e+04 / 41
p0 1802 ± 2
2400
2200
2000
1800
1600
1400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

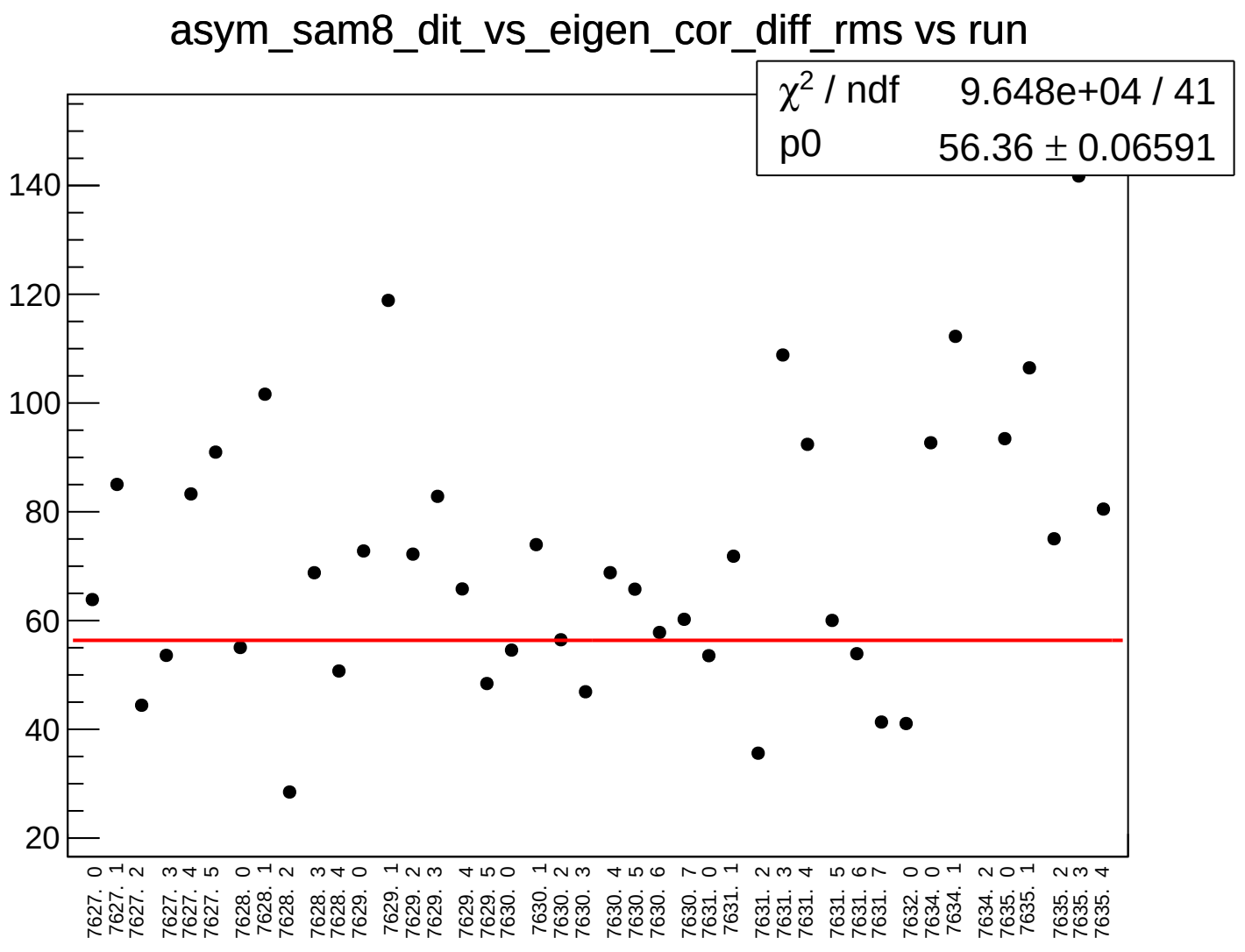

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 36.33 / 41
p0 −3.379e−13 ± 2.08e−12
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.505
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.1181
Std Dev 0.9225
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

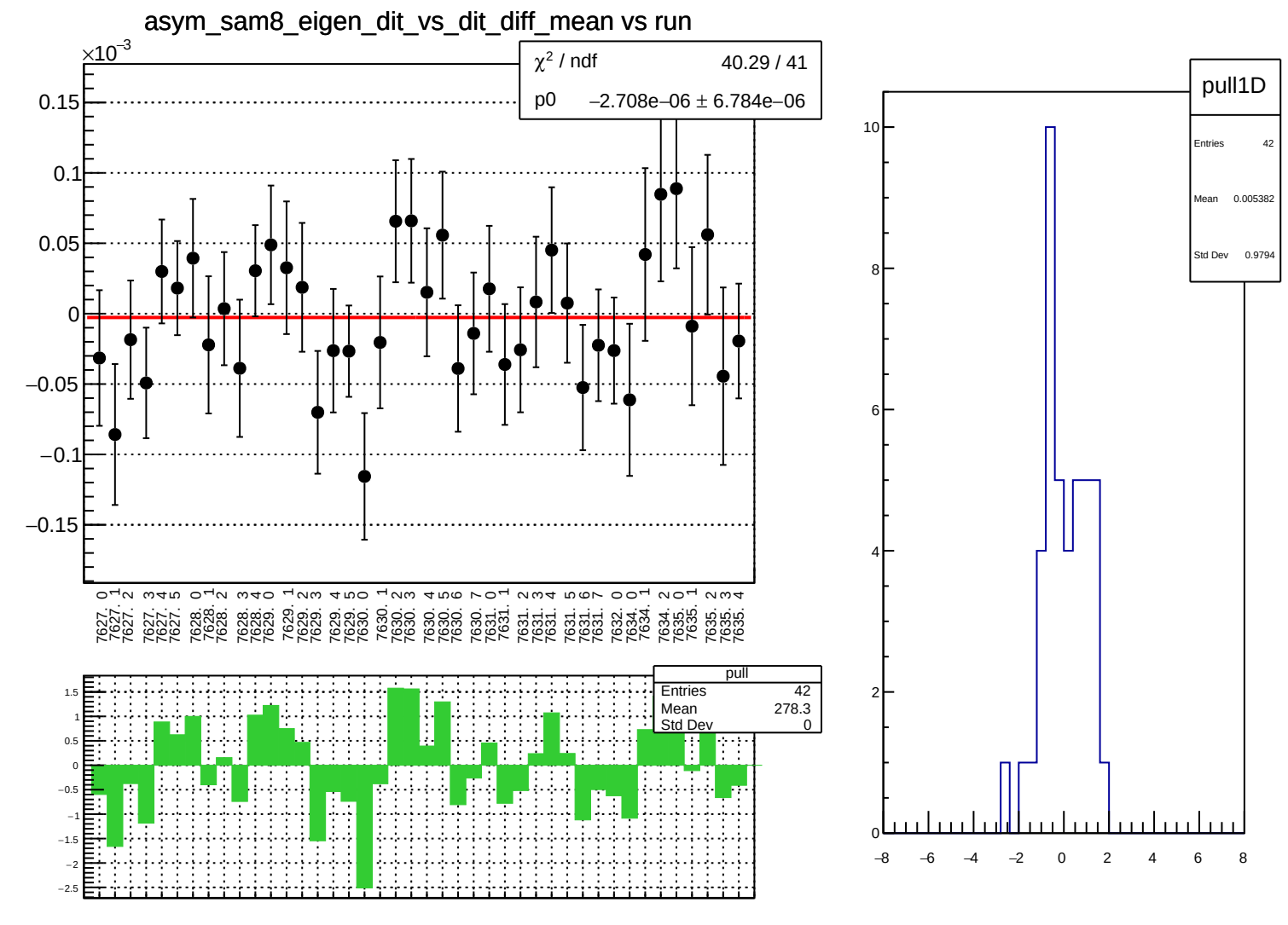

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 4.043e+05 / 41
p0 9.569e−10 ± 1.47e−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

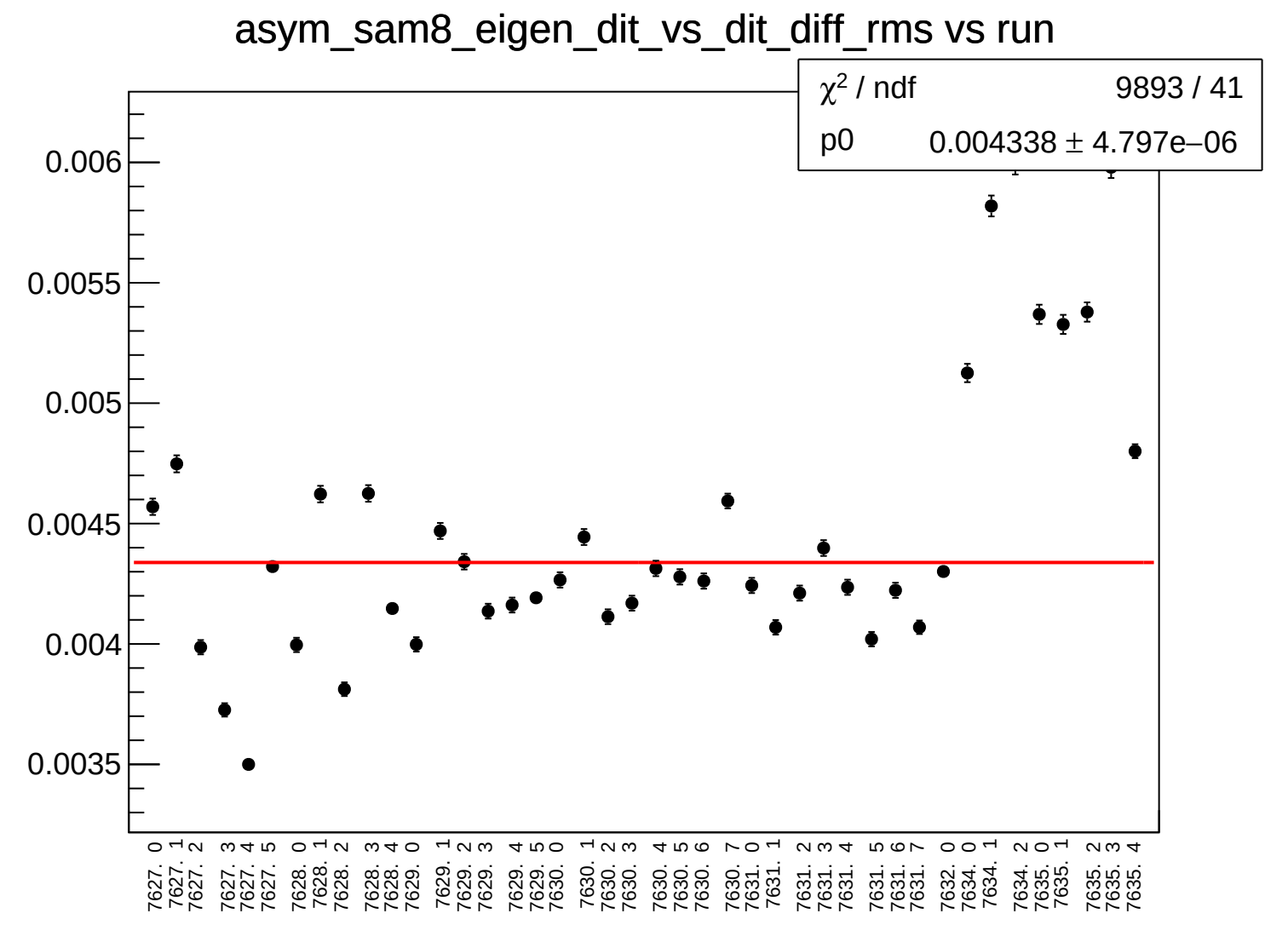

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 52.91 / 41
p0 0.1862 ± 0.0932
pull
Entries 42
Mean 35.28
Std Dev 0
pull1D
Entries 42
Mean 0.09066
Std Dev 1.119

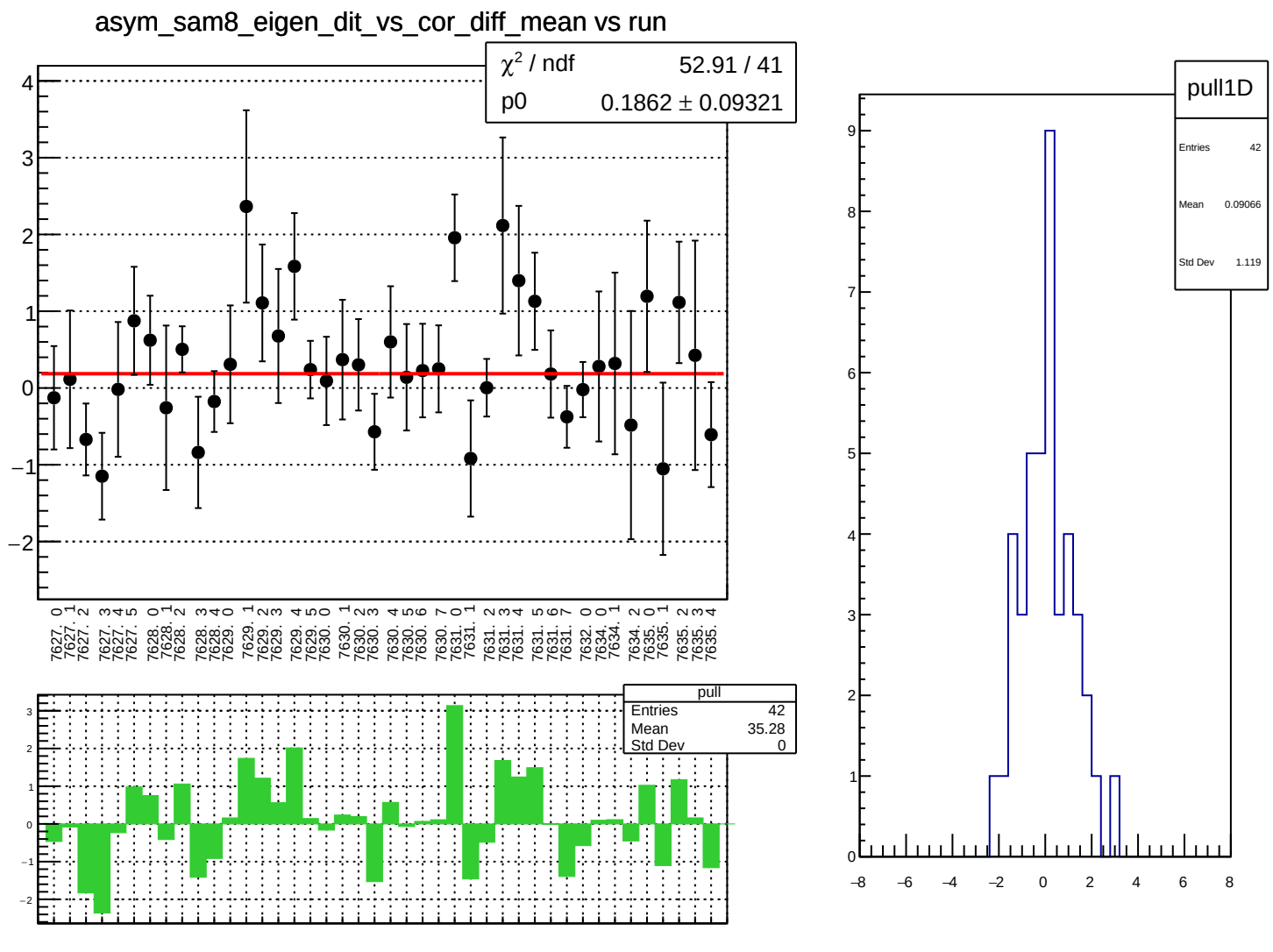

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 9.648e+04 / 41
p0 56.36 ± 0.06591
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

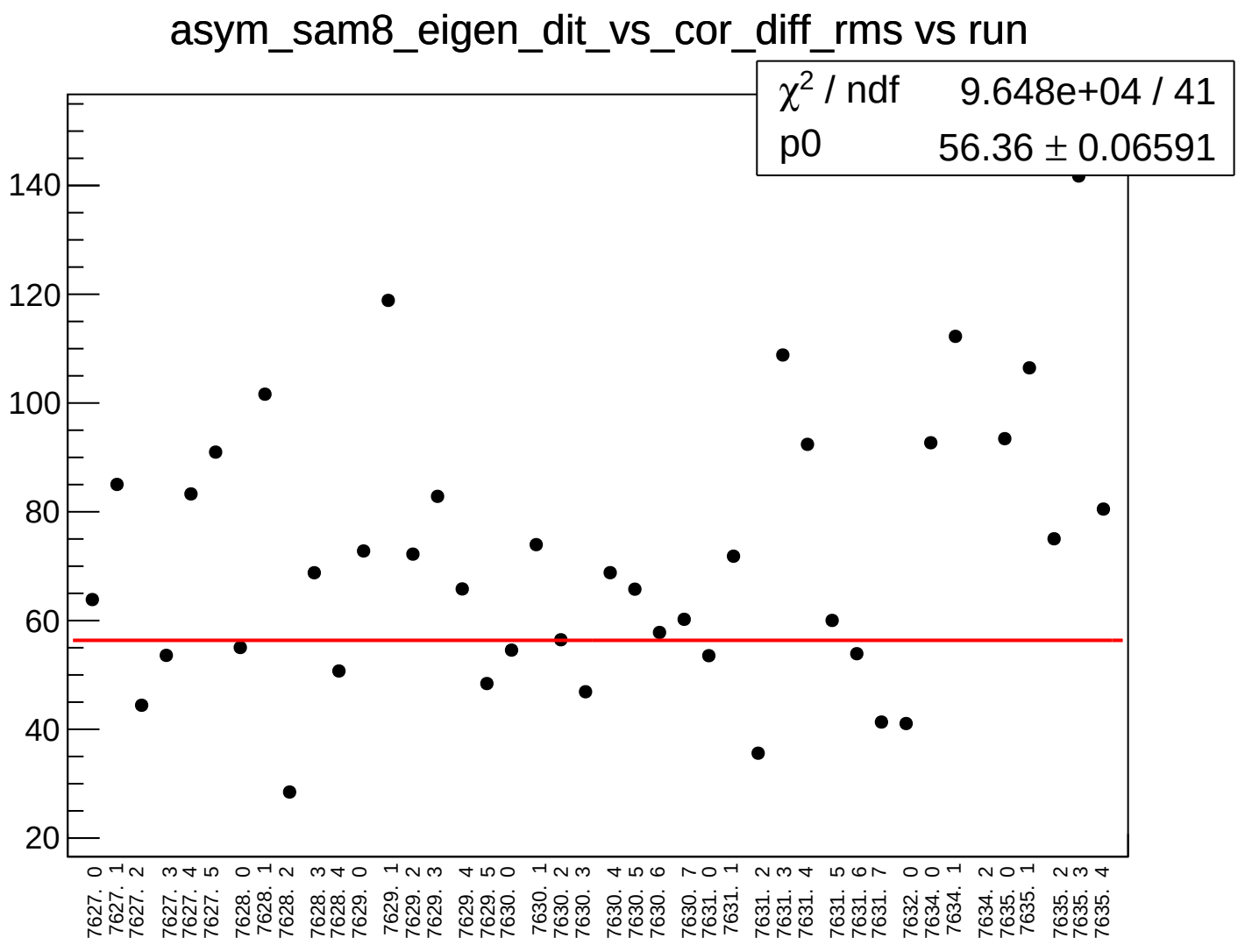

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.91 / 41
p0 0.1862 ± 0.0932
pull
Entries 42
Mean 35.28
Std Dev 0
pull1D
Entries 42
Mean 0.09066
Std Dev 1.119

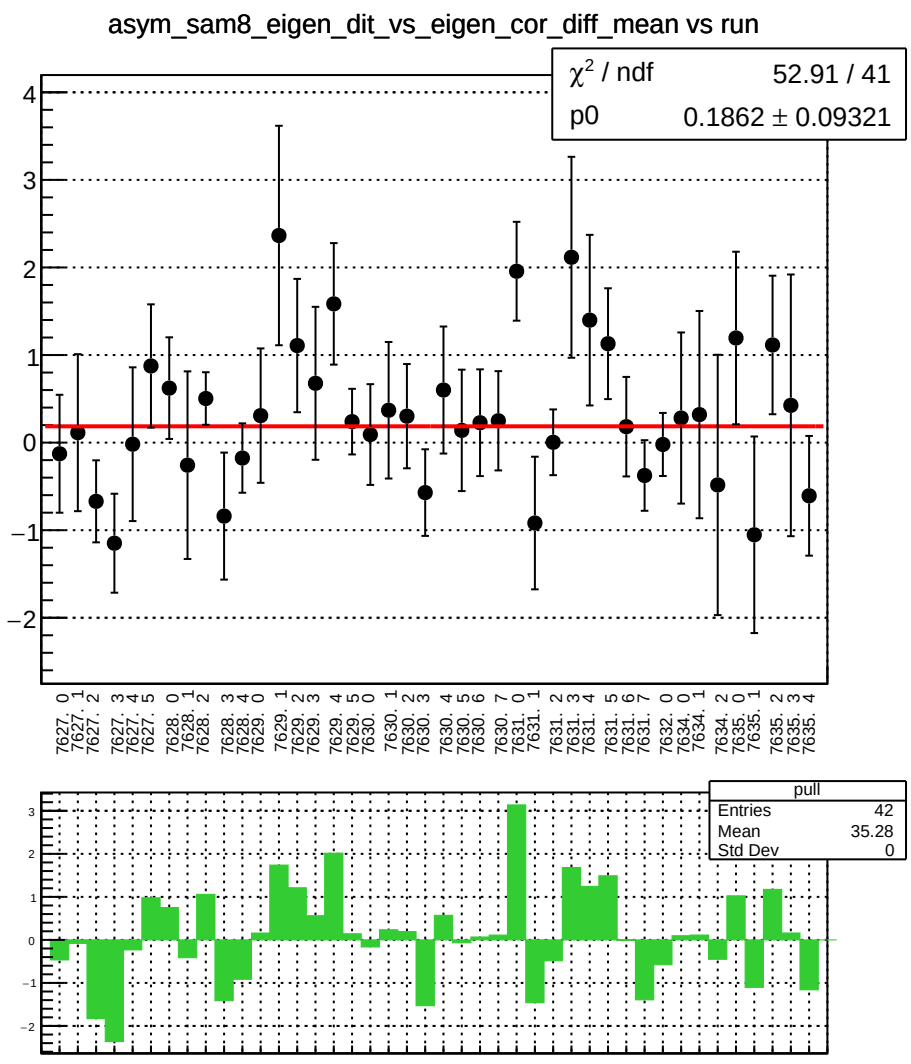

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.648e+04 / 41
p0 56.36 ± 0.06591
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

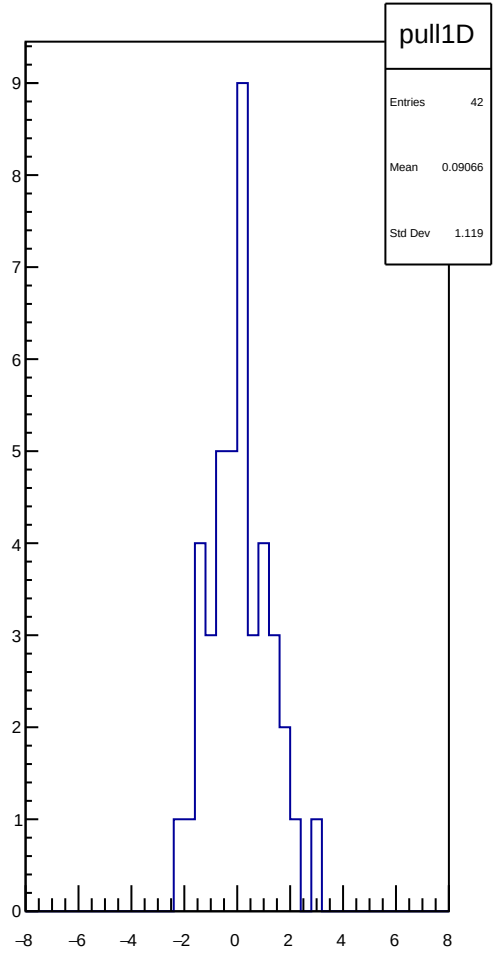

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 40.29 / 41
p0 −2.708e−06 ± 6.784e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 278.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.005382
Std Dev 0.9794
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

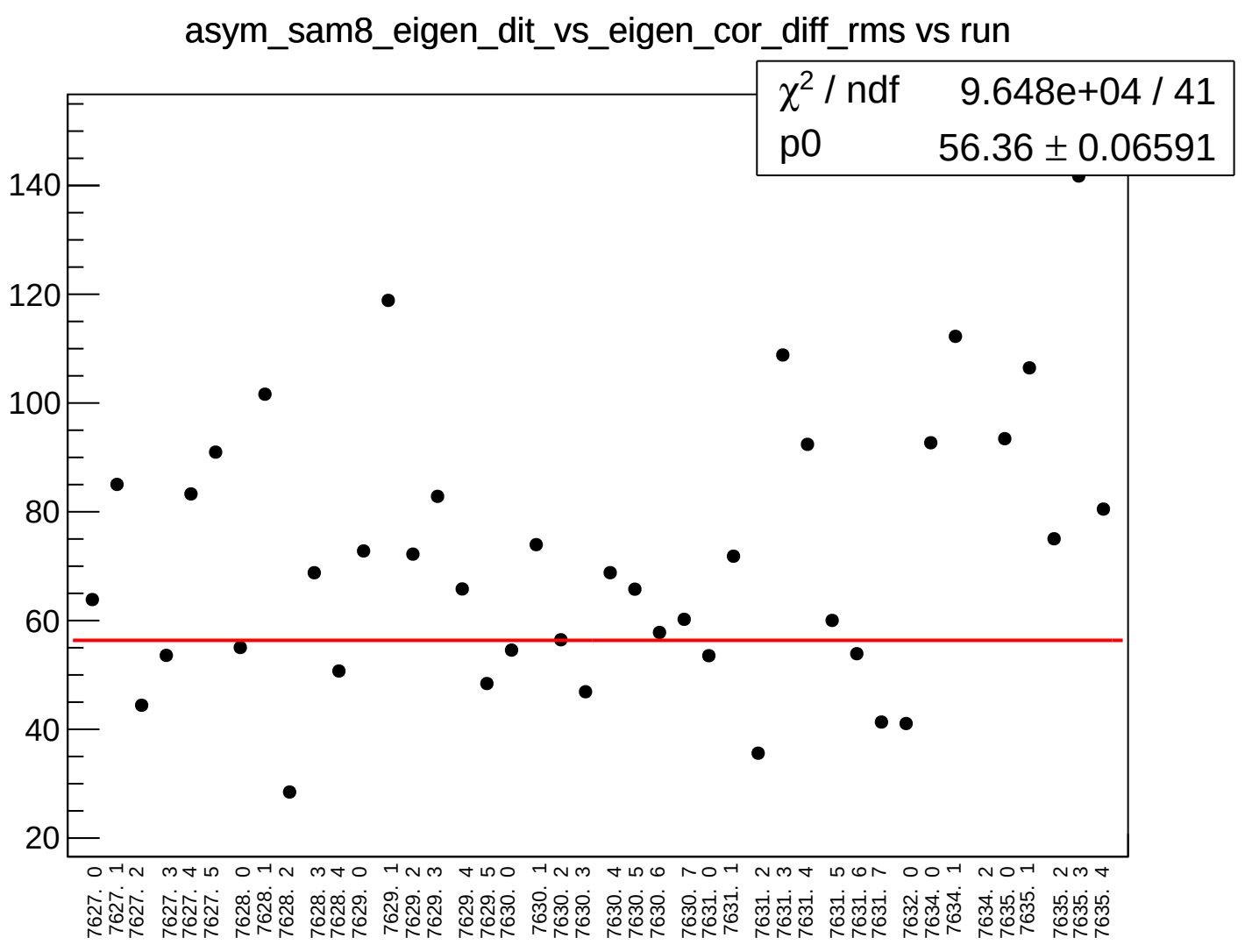

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9893 / 41
p0 0.004338 ± 4.797e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

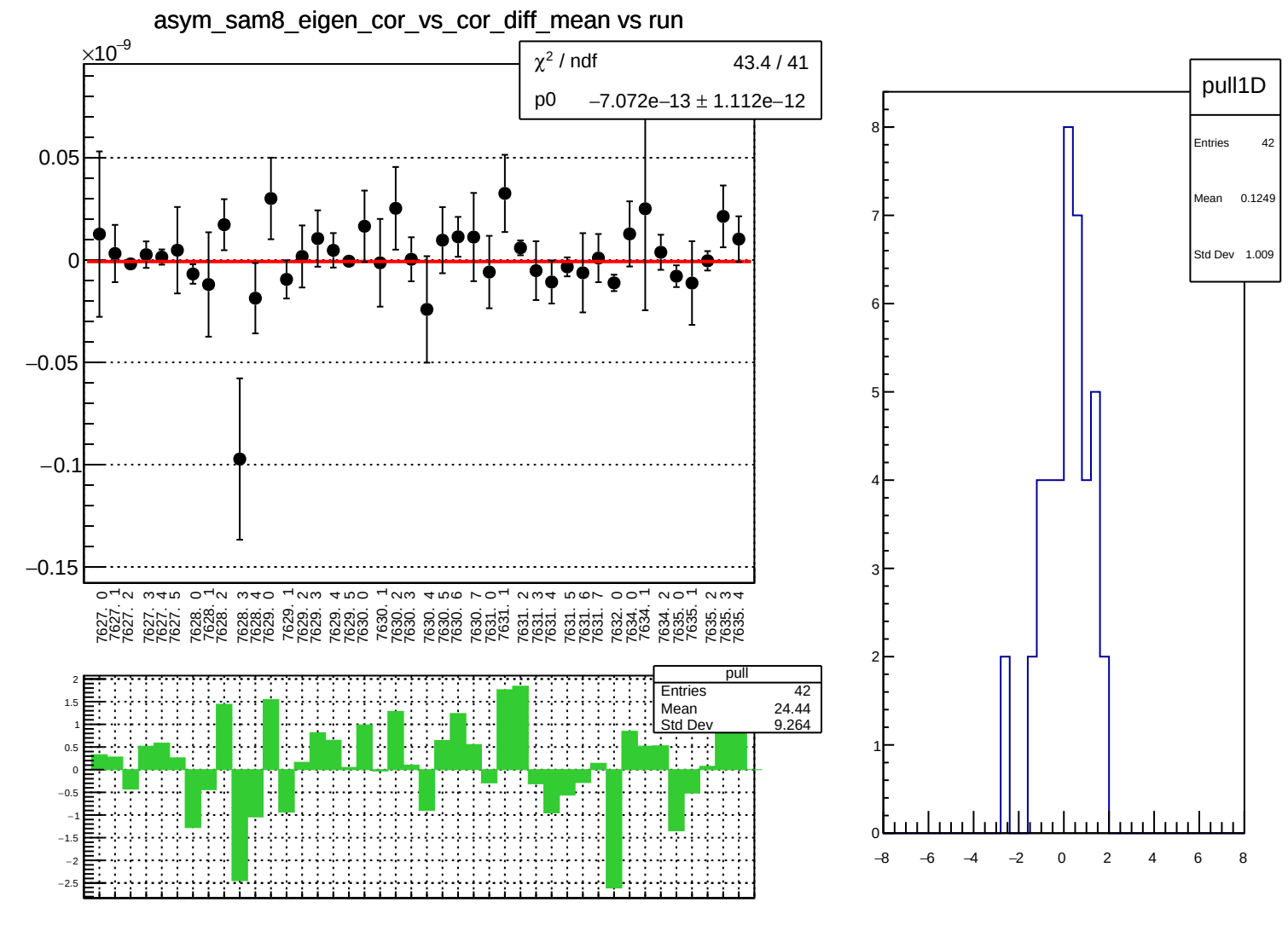

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.91 / 41
p0 0.1862 ± 0.09321
pull
Entries 42
Mean 35.28
Std Dev 0
pull1D
Entries 42
Mean 0.09066
Std Dev 1.119

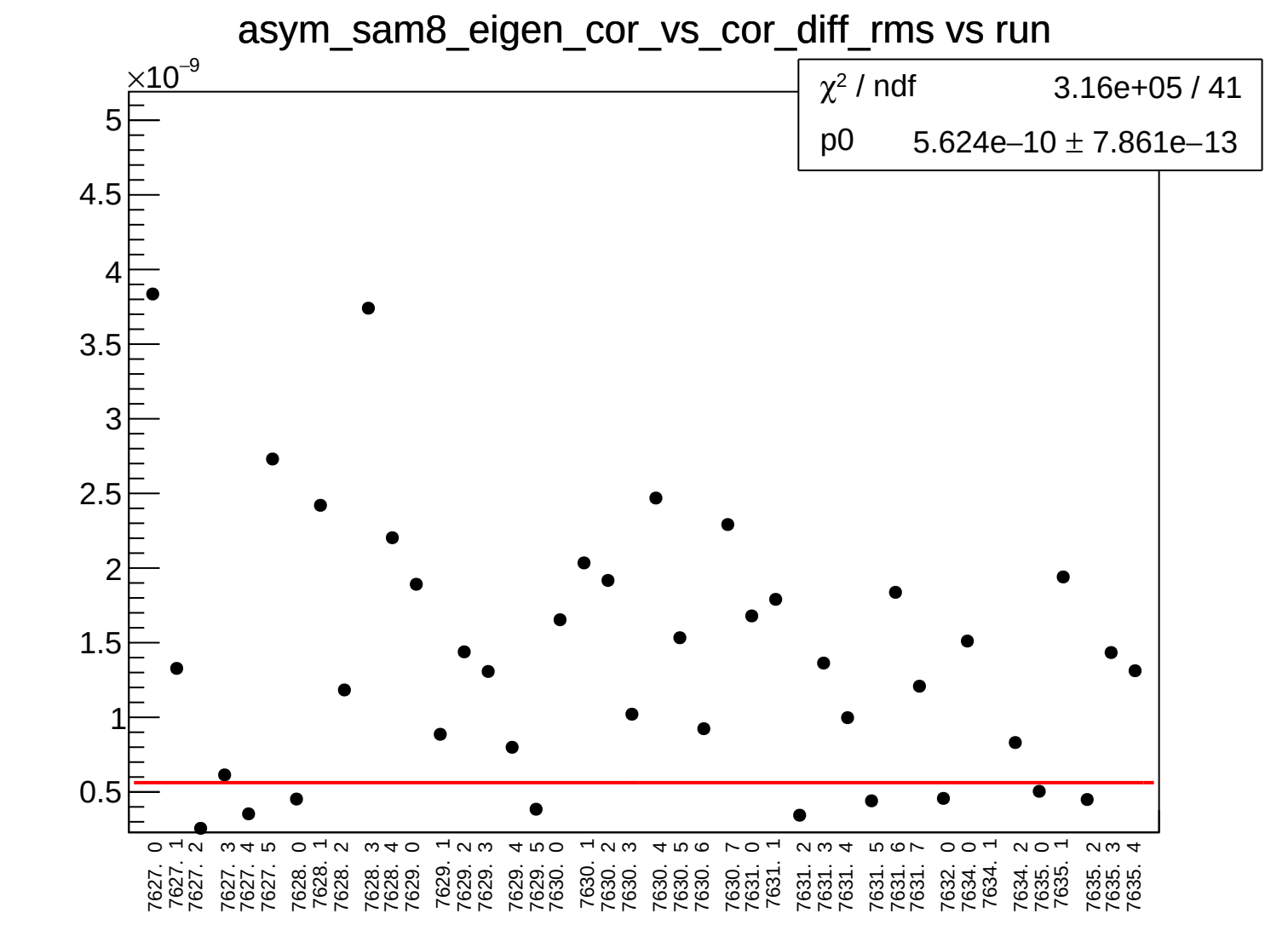

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.648e+04 / 41
p0 56.36 ± 0.06591
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

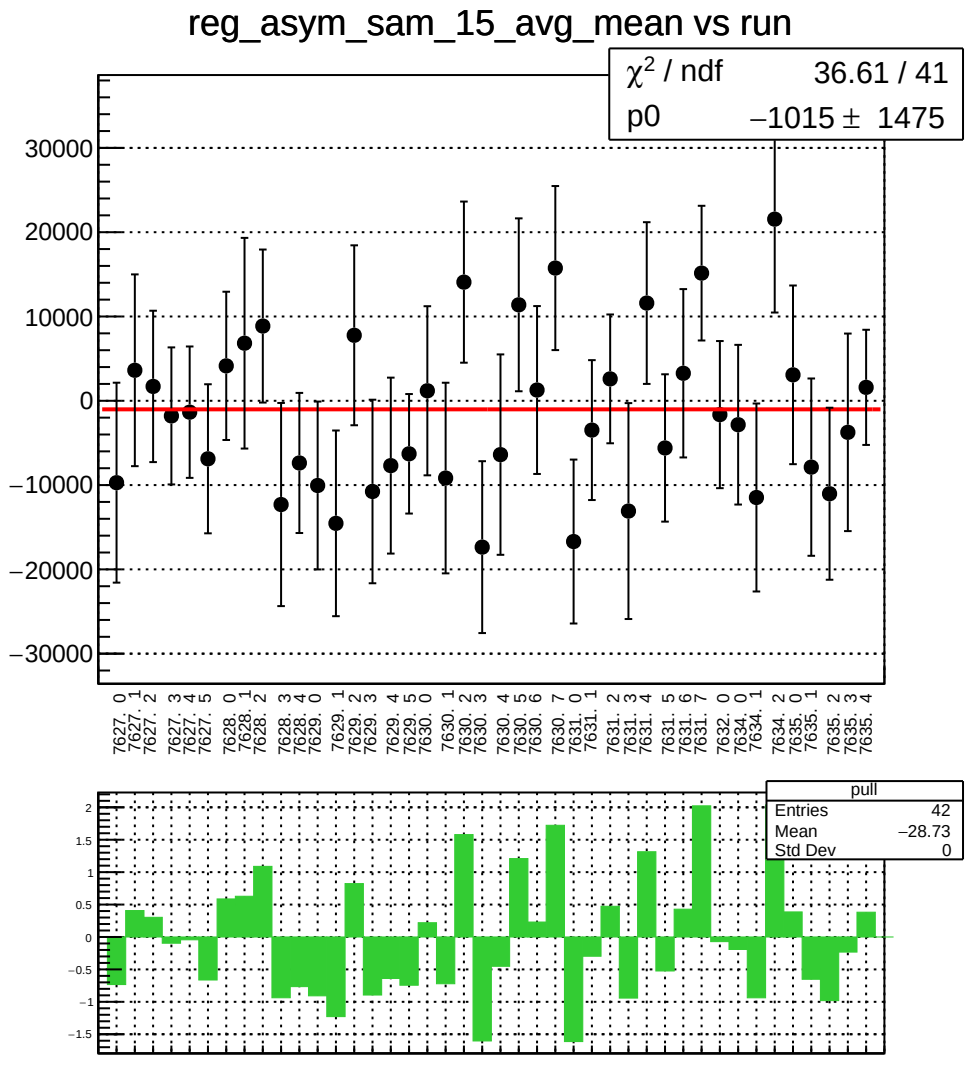

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.91 / 41
p0 0.1862 ± 0.09321
pull
Entries 42
Mean 35.28
Std Dev 0

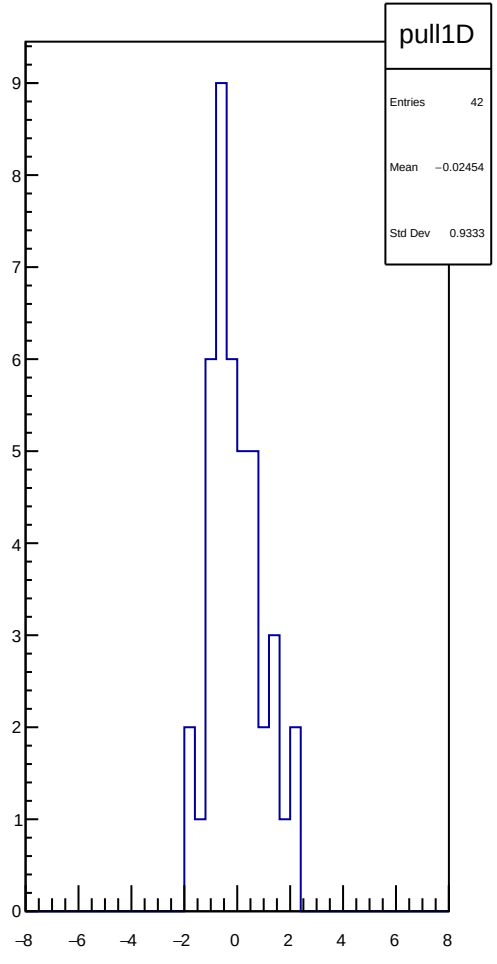

pull1D
Entries 42
Mean 0.09066
Std Dev 1.119

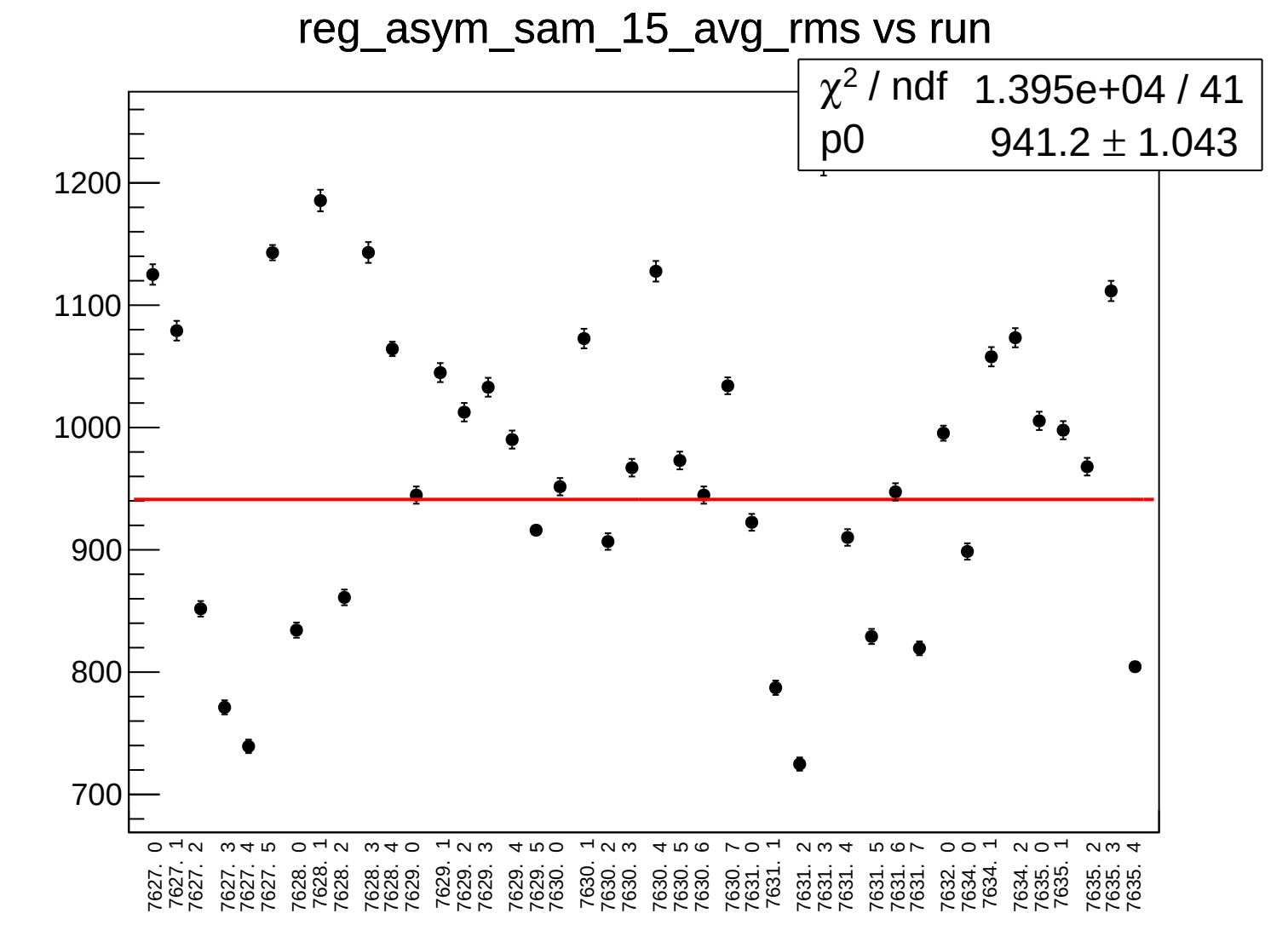

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.648e+04 / 41
p0 56.36 ± 0.06591
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

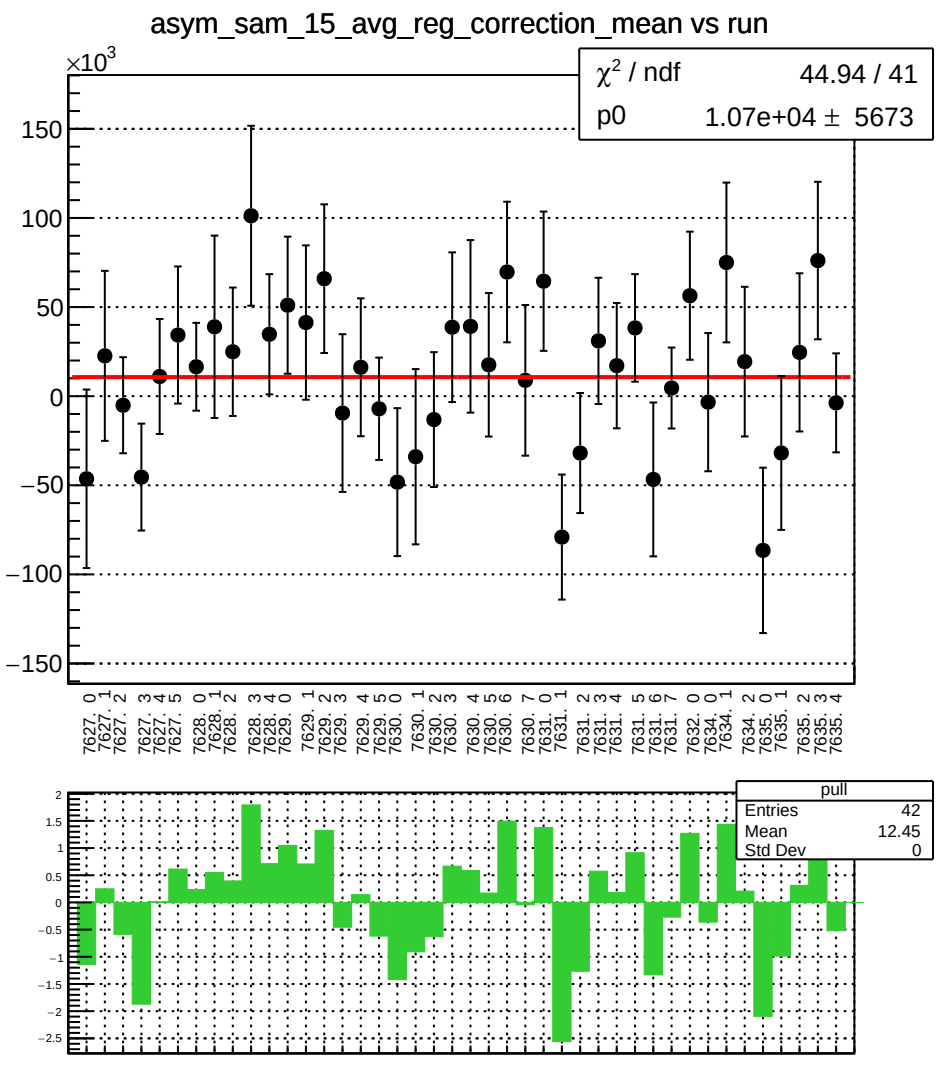

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 43.4 / 41
p0 −7.072e−13 ± 1.112e−12
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 24.44
Std Dev 9.264
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.1249
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

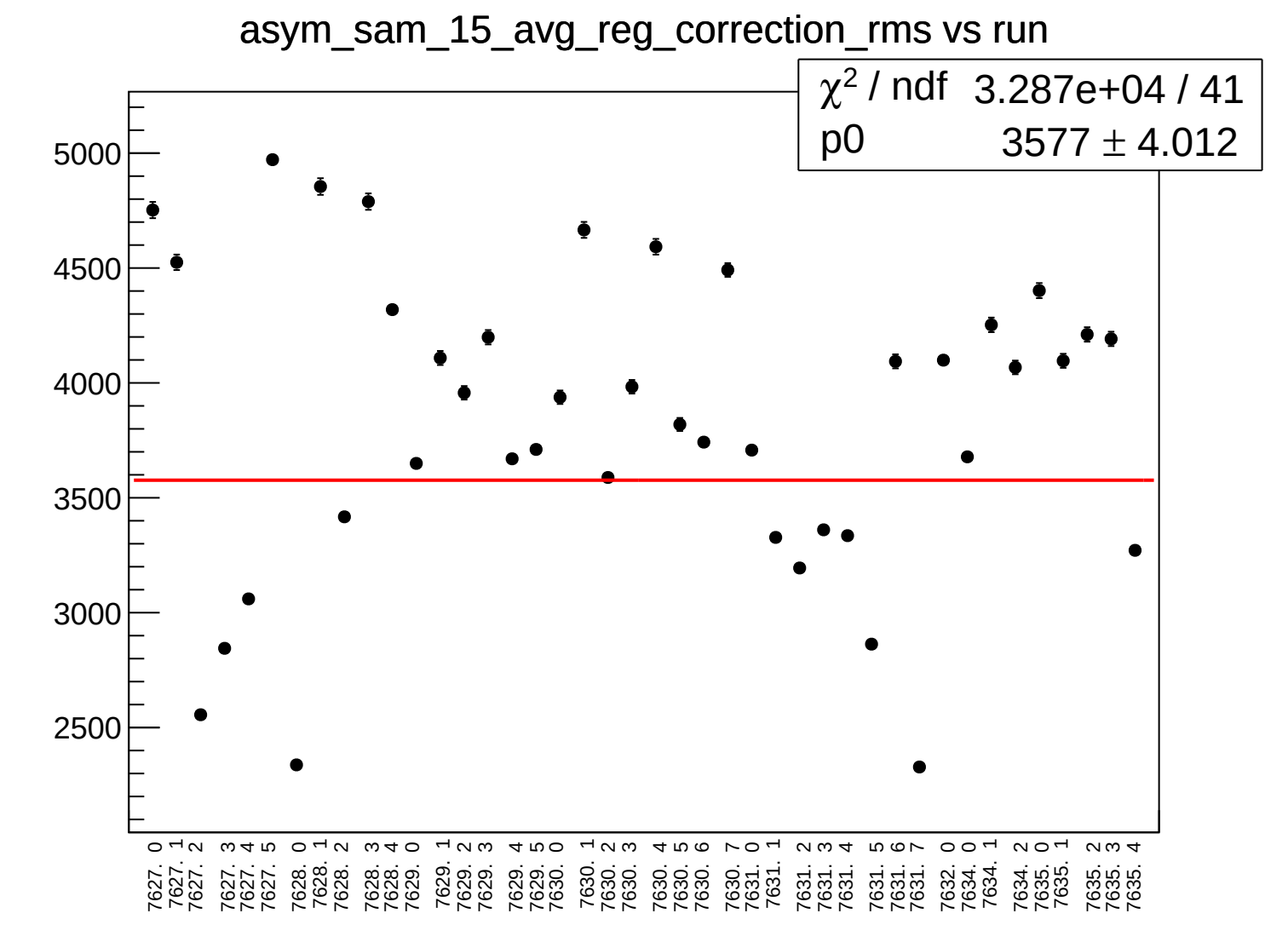

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.16e+05 / 41
p0 5.624e−10 ± 7.861e−13
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

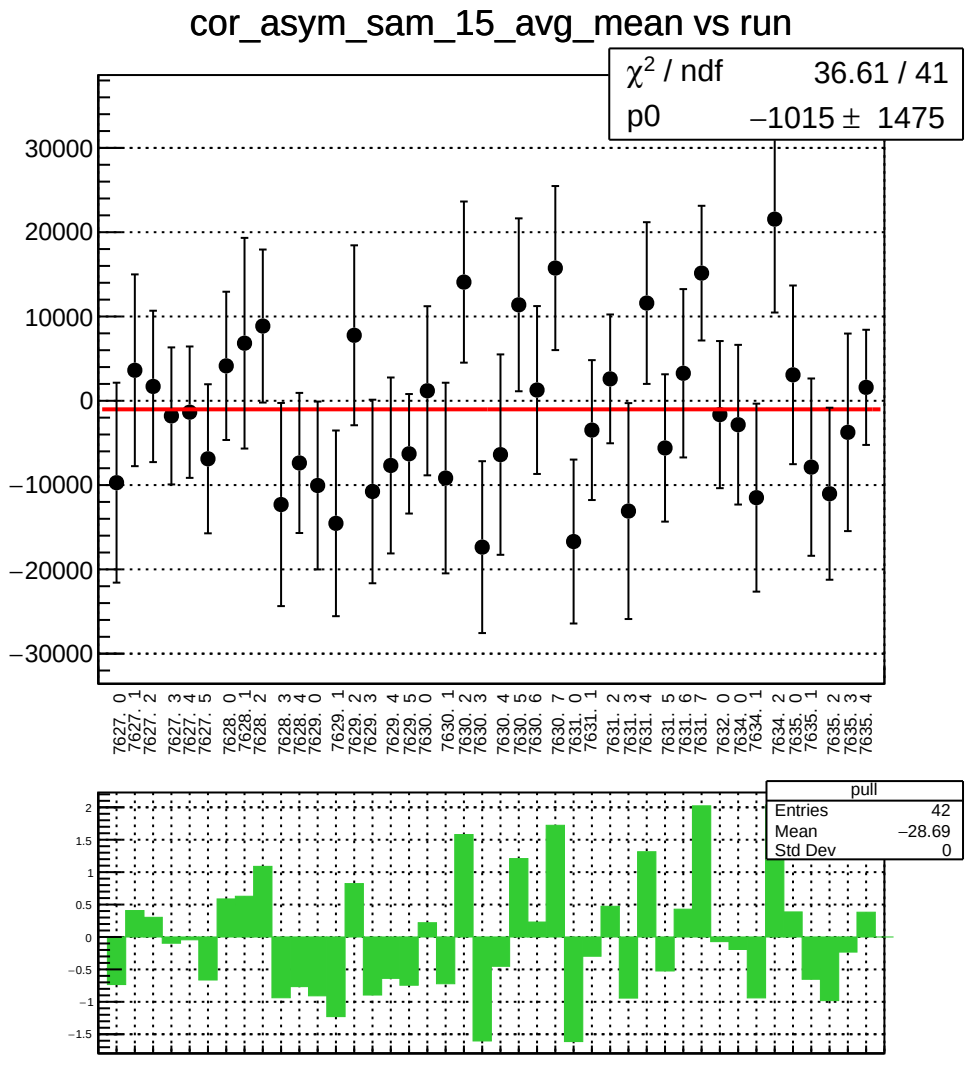

reg_asym_sam_15_avg_mean vs run
χ² / ndf 36.61 / 41
p0 −1015 ± 1475
pull
Entries 42
Mean −28.73
Std Dev 0

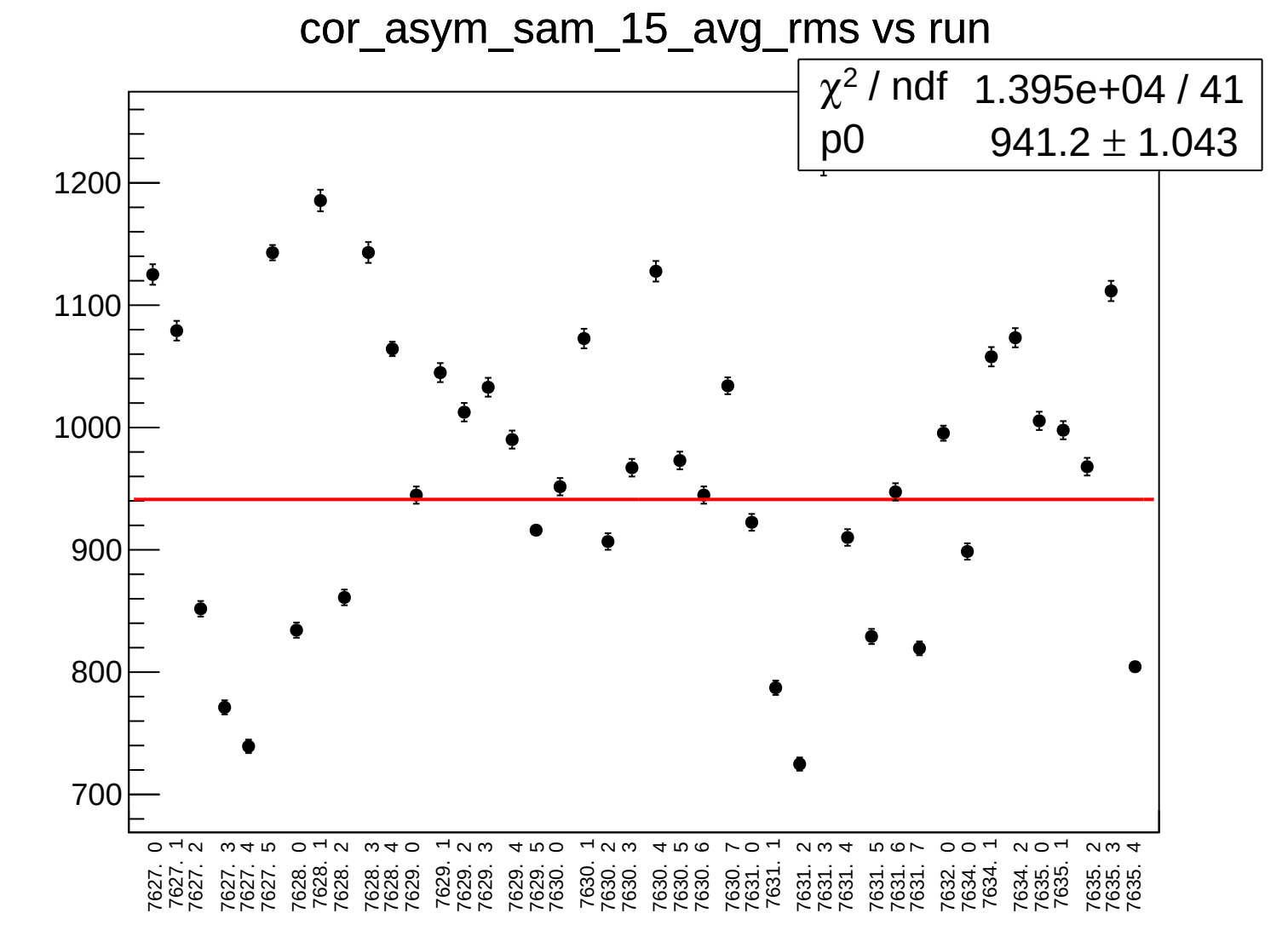

pull1D
Entries 42
Mean −0.02454
Std Dev 0.9333

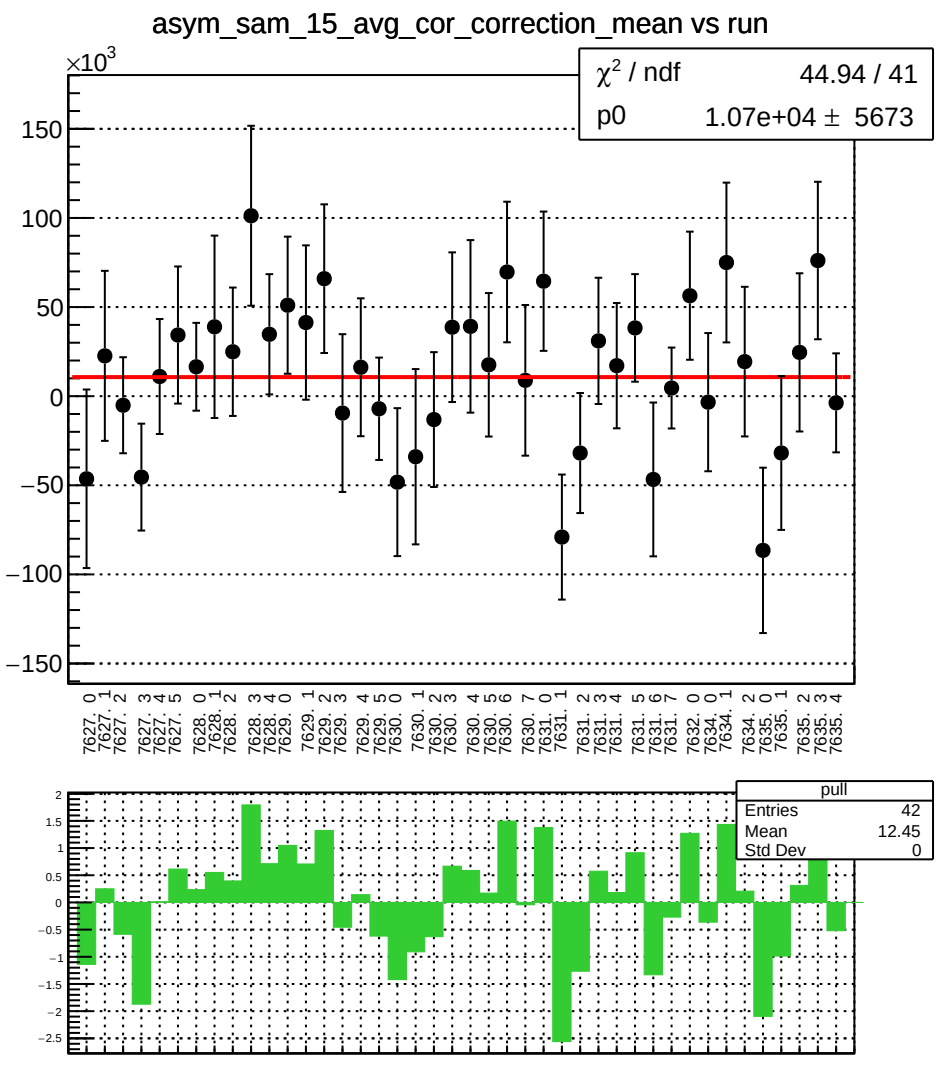

reg_asym_sam_15_avg_rms vs run
χ² / ndf 1.395e+04 / 41
p0 941.2 ± 1.043
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

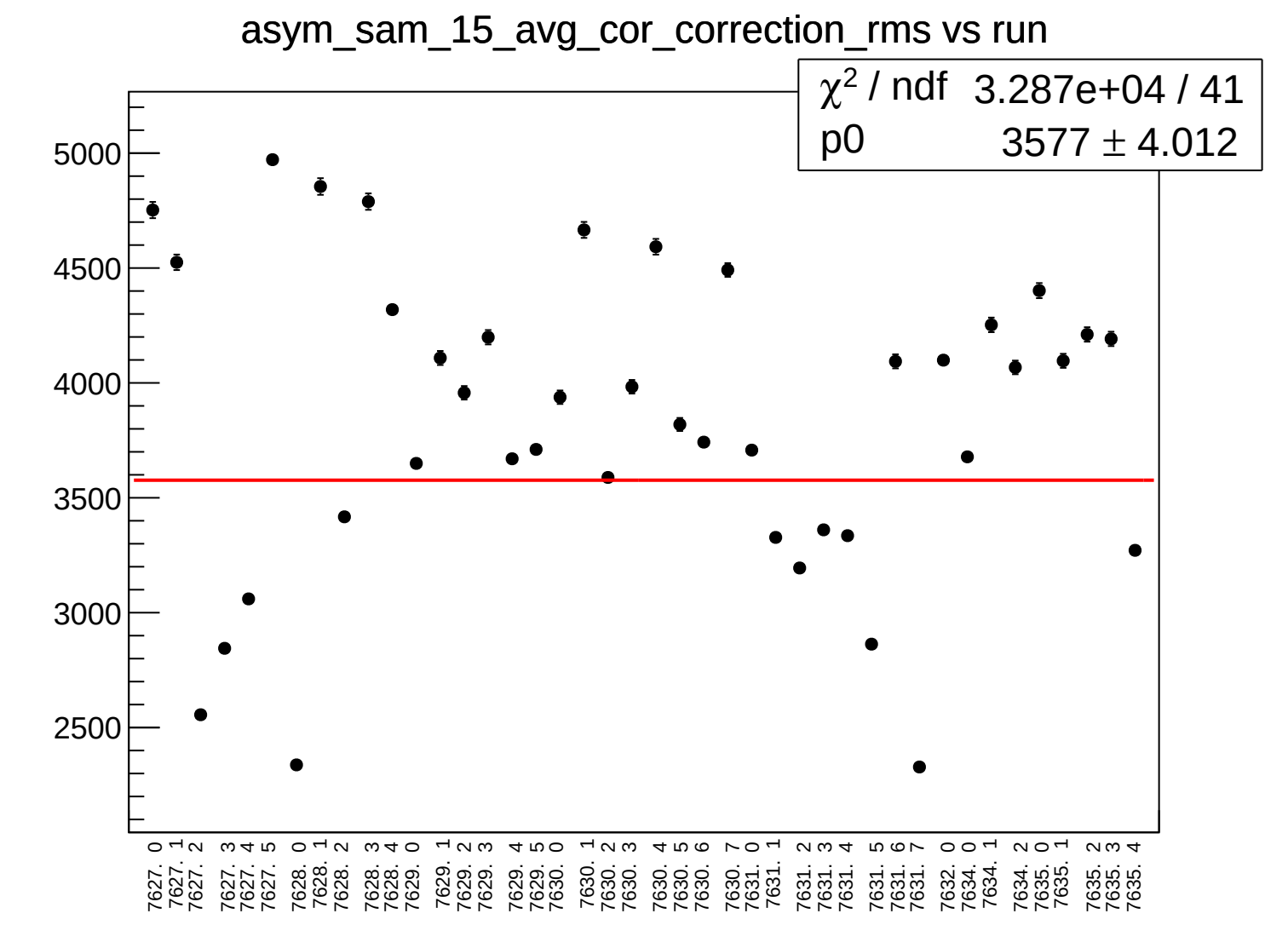

asym_sam_15_avg_reg_correction_mean vs run
×10^3
χ² / ndf 44.94 / 41
p0 1.07e+04 ± 5673
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.03327
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

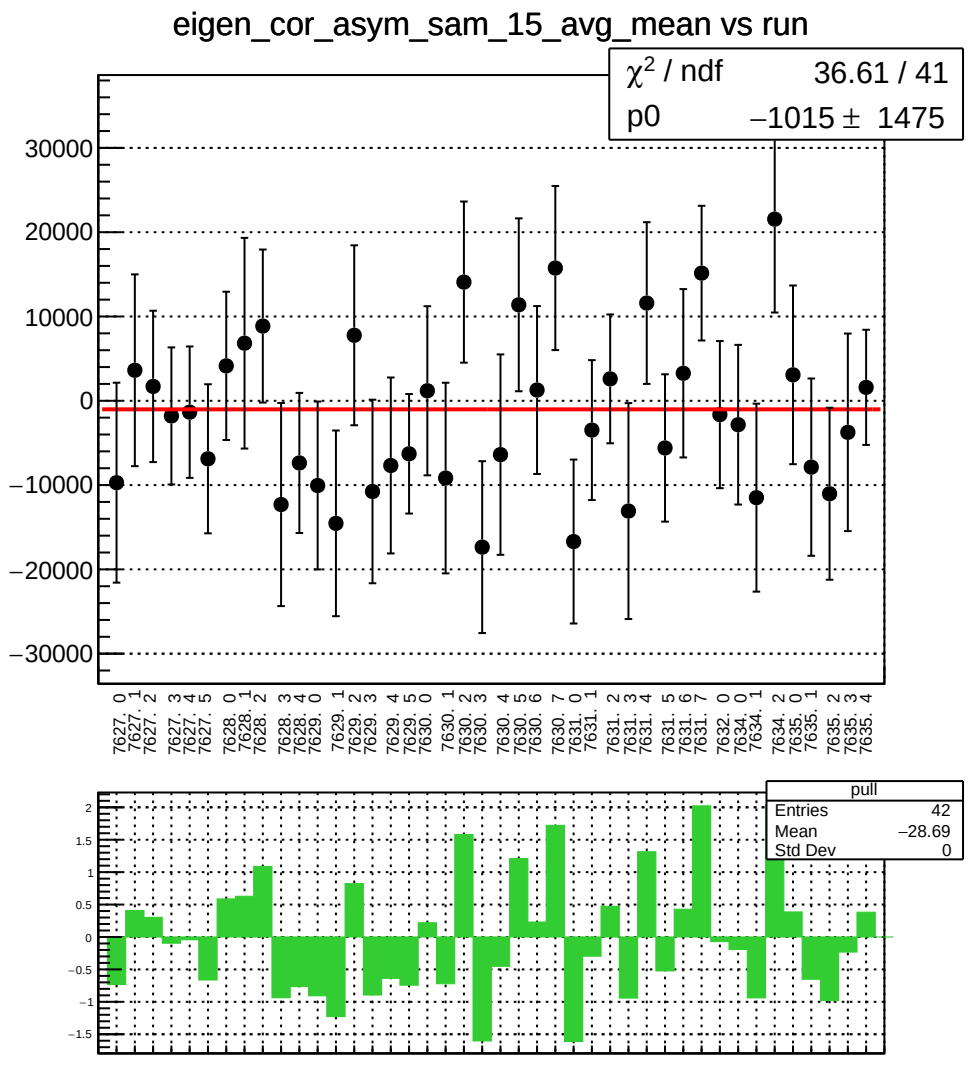

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 3.287e+04 / 41
p0 3577 ± 4.012
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

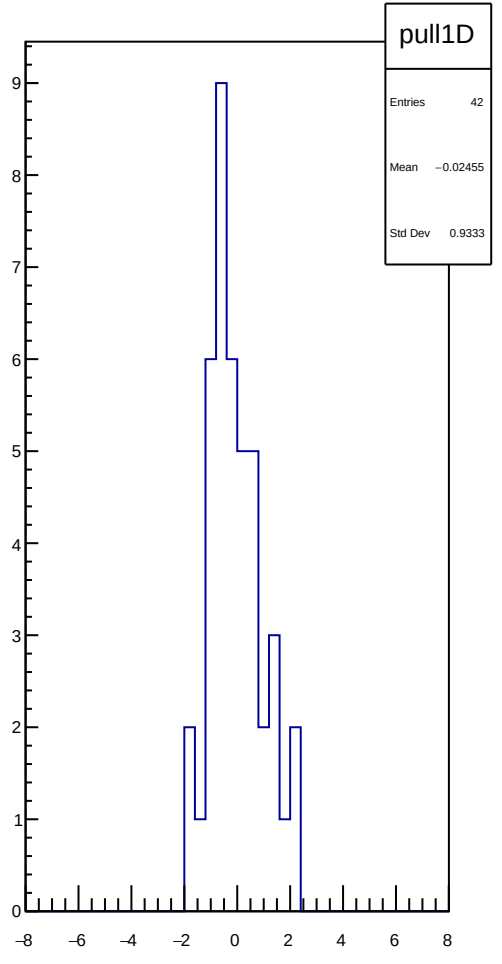

cor_asym_sam_15_avg_mean vs run
χ² / ndf 36.61 / 41
p0 −1015 ± 1475
pull
Entries 42
Mean −28.69
Std Dev 0
pull1D
Entries 42
Mean −0.02455
Std Dev 0.9333

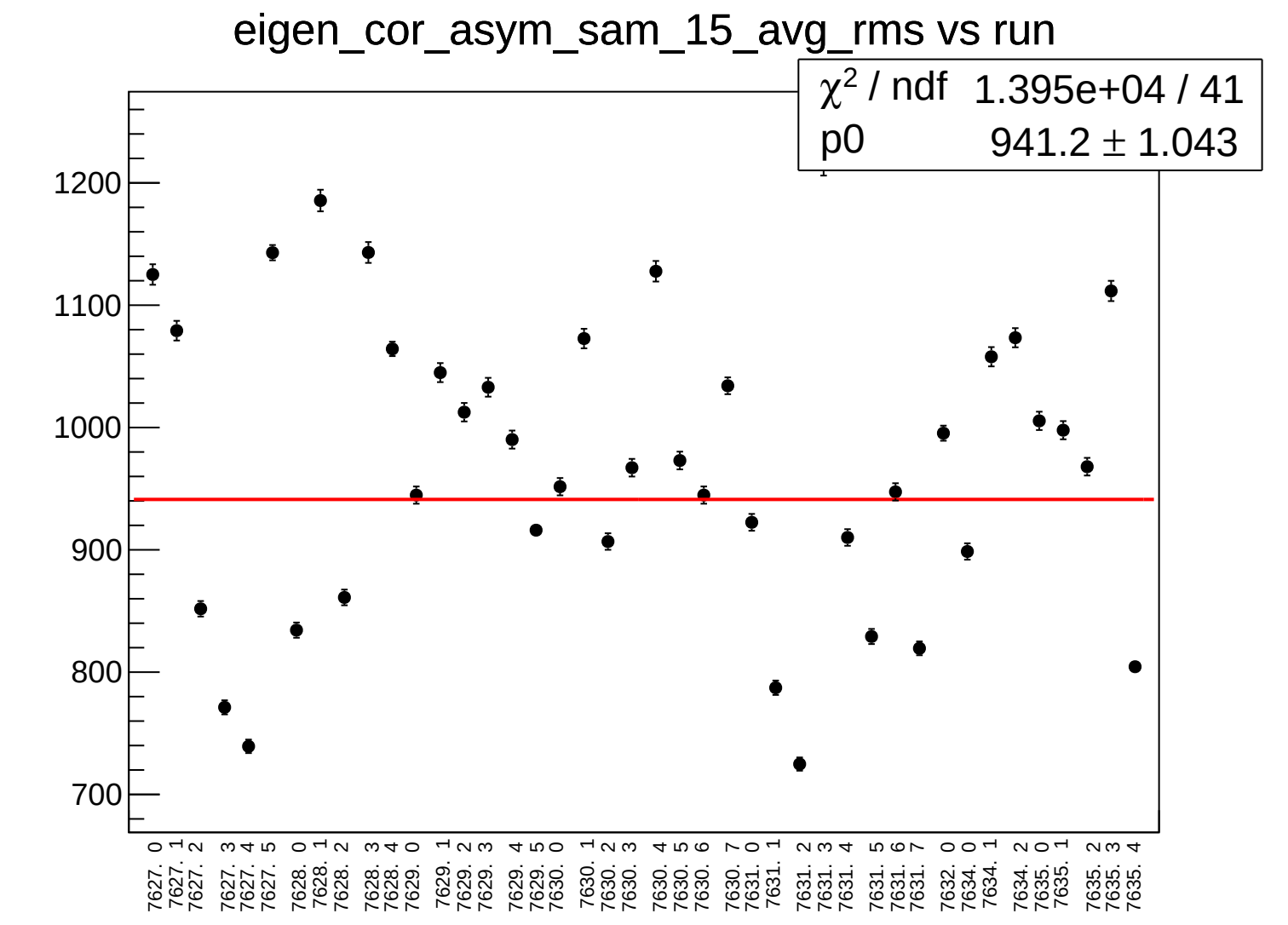

cor_asym_sam_15_avg_rms vs run
χ² / ndf 1.395e+04 / 41
p0 941.2 ± 1.043
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

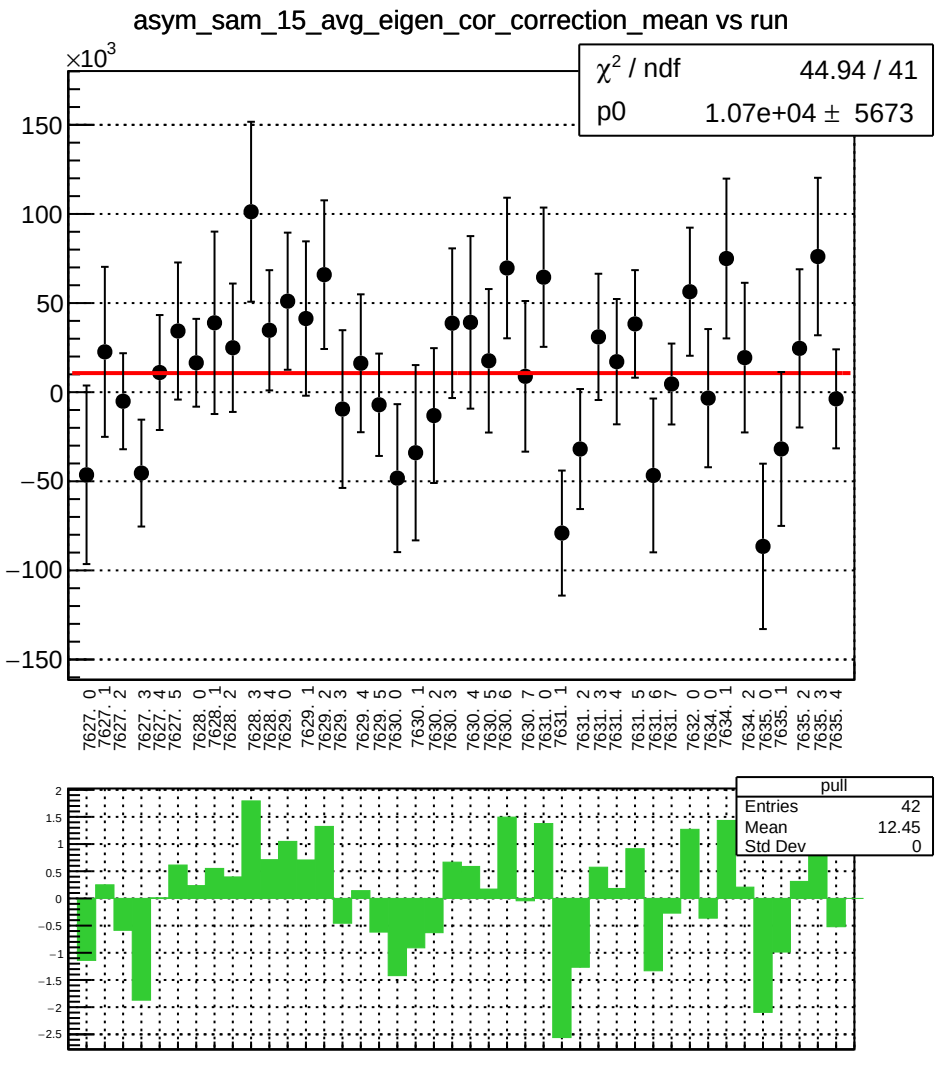

asym_sam_15_avg_cor_correction_mean vs run
×10^3
χ² / ndf 44.94 / 41
p0 1.07e+04 ± 5673
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.03326
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

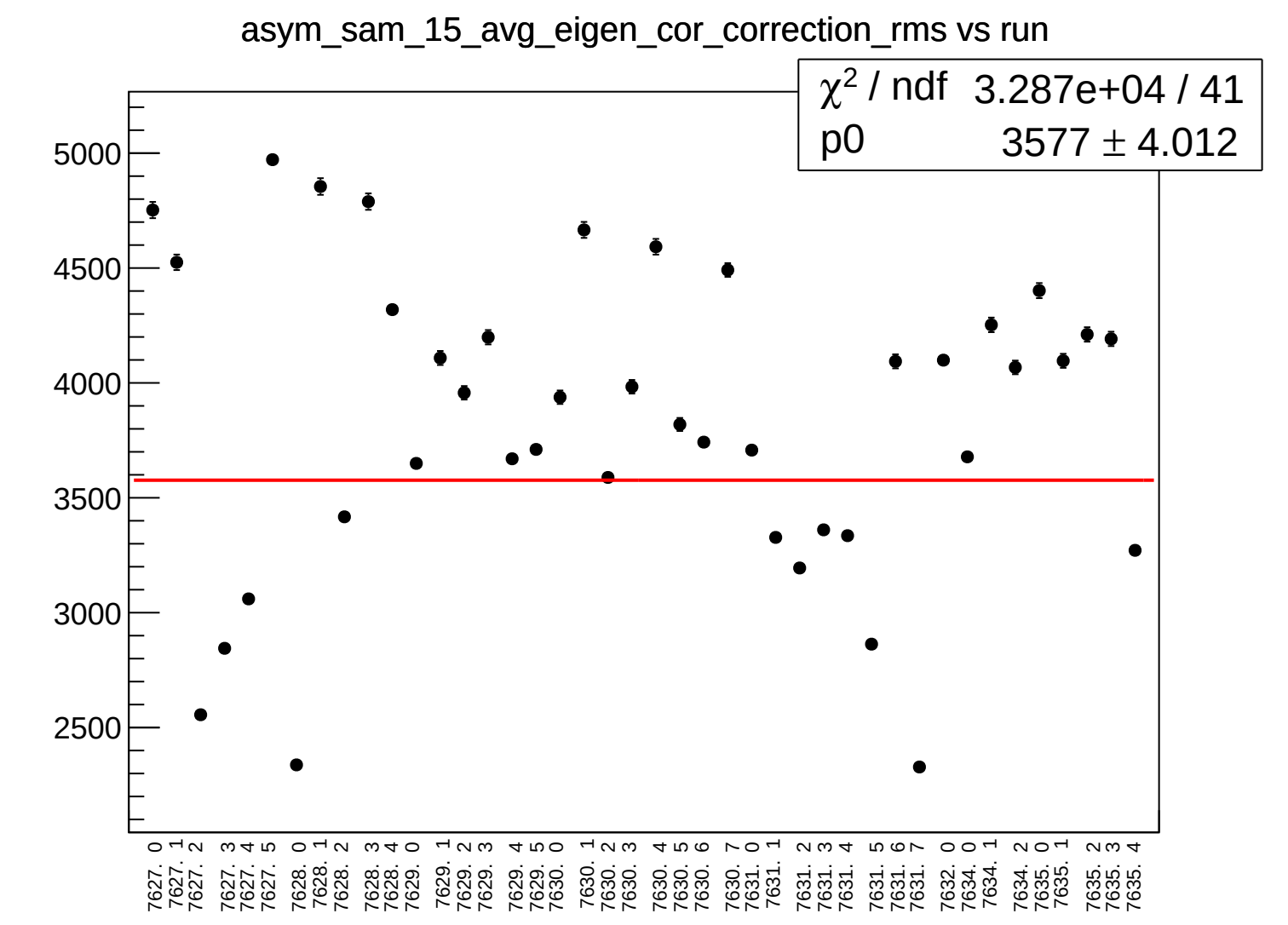

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 3.287e+04 / 41
p0 3577 ± 4.012
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

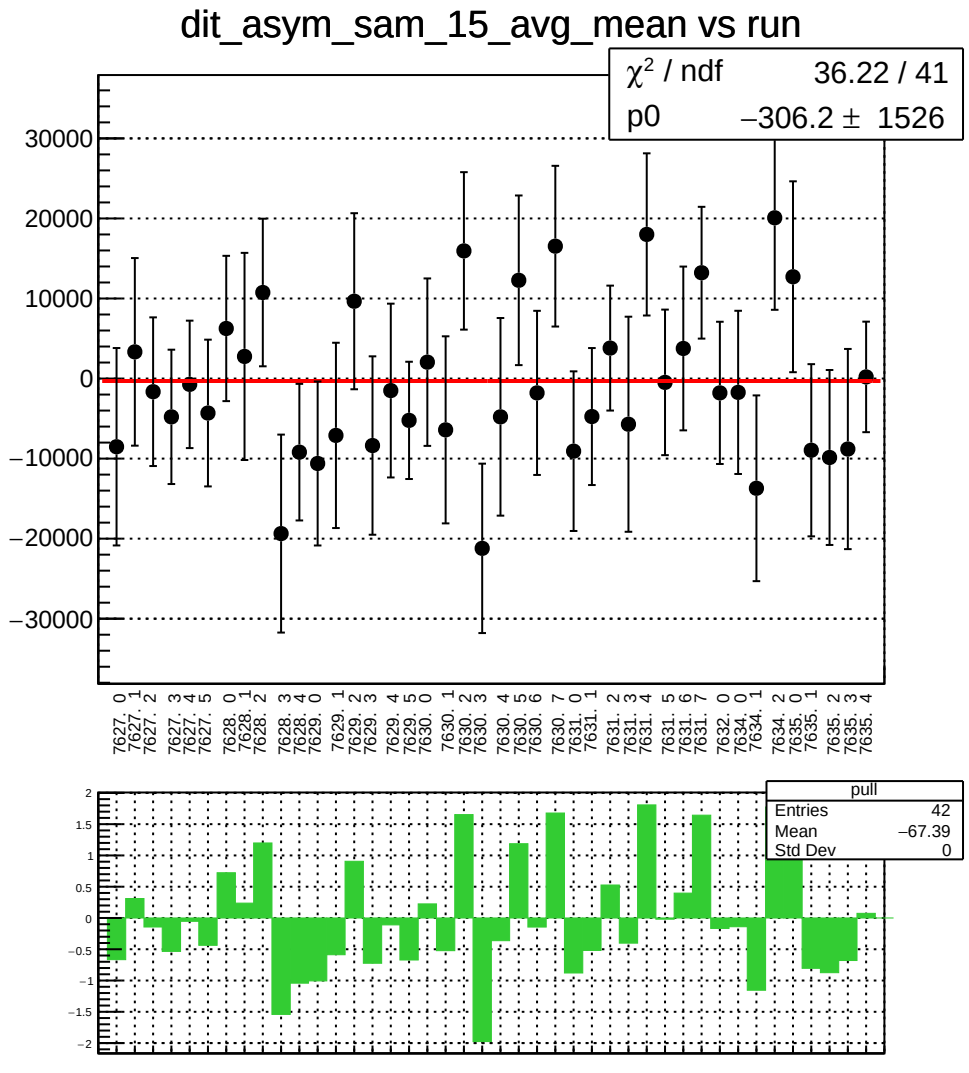

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 36.61 / 41
p0 −1015 ± 1475
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.69
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

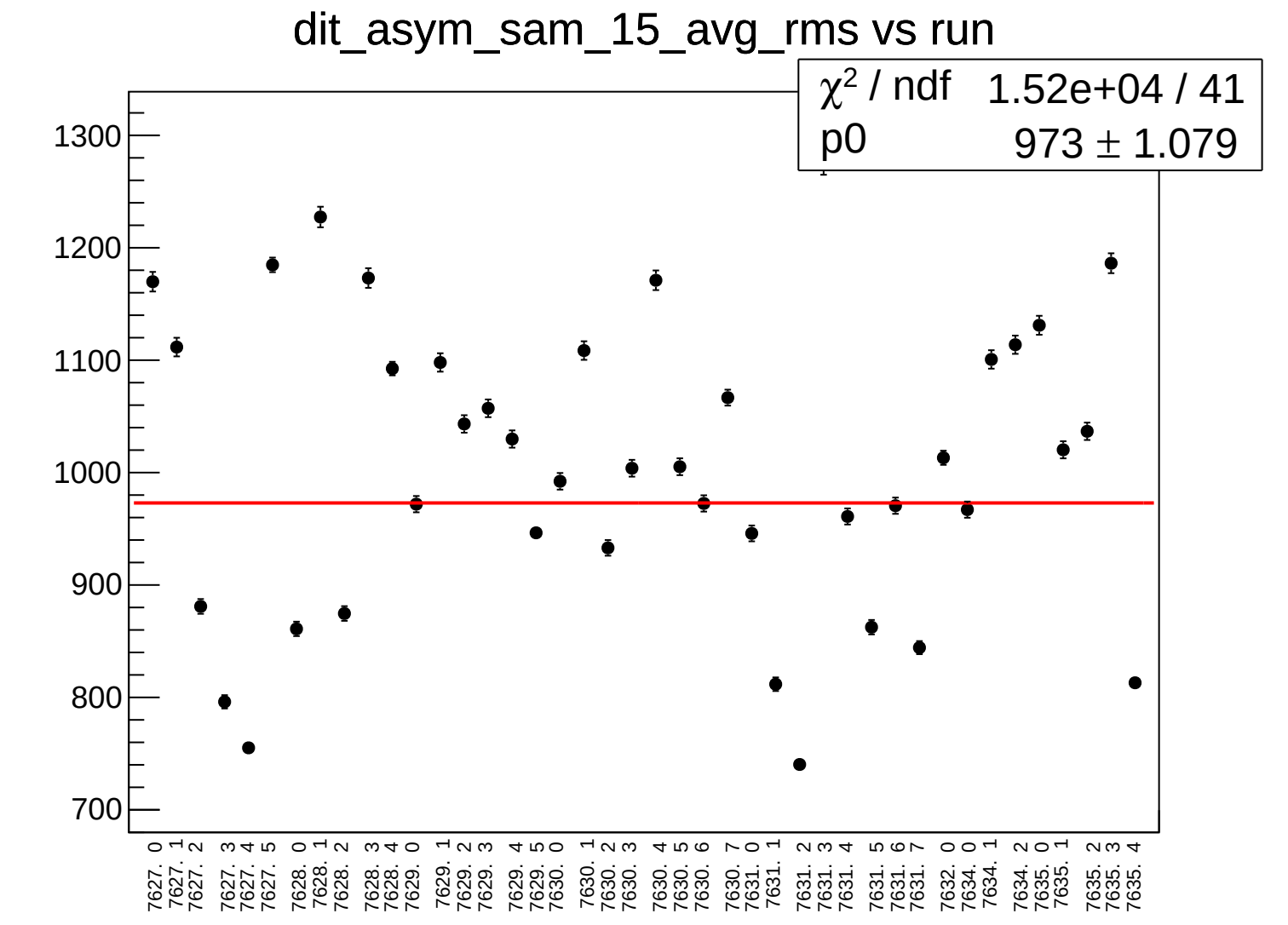

pull1D
Entries 42
Mean −0.02455
Std Dev 0.9333
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

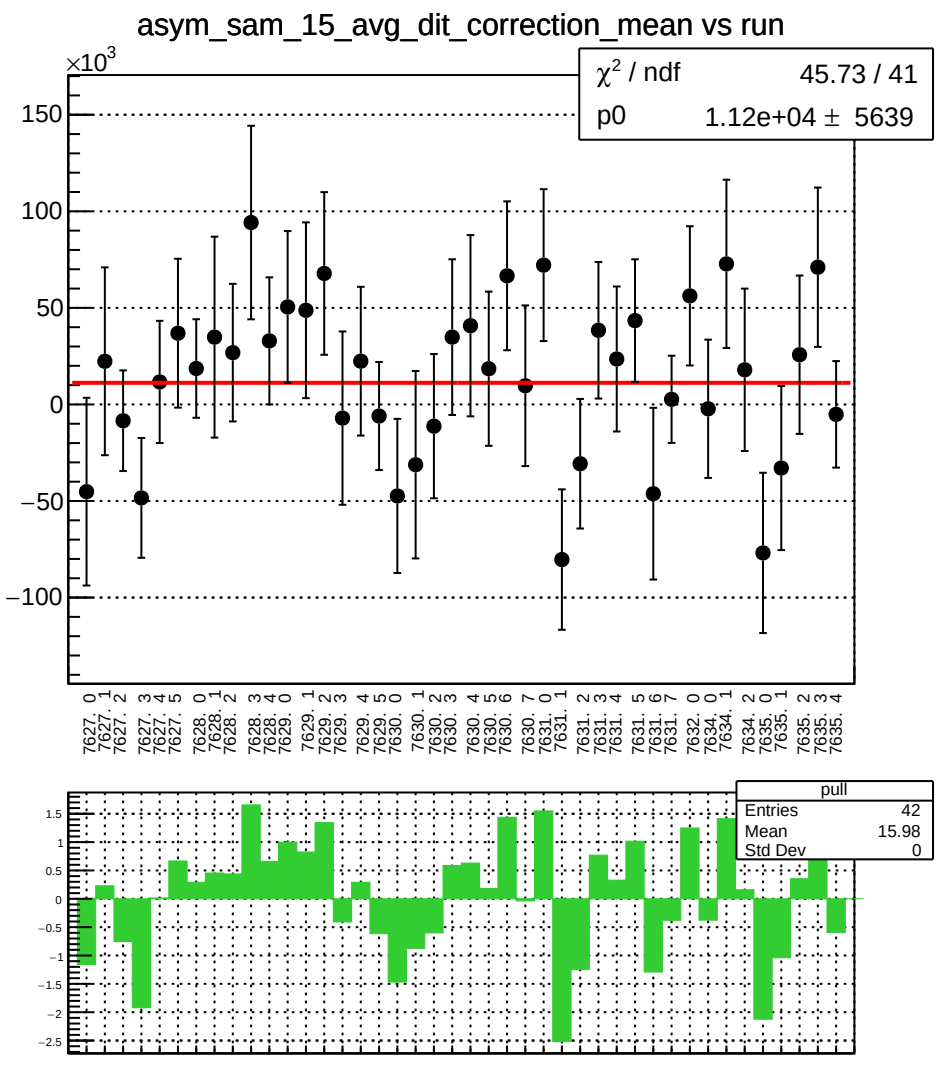

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 1.395e+04 / 41
p0 941.2 ± 1.043
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

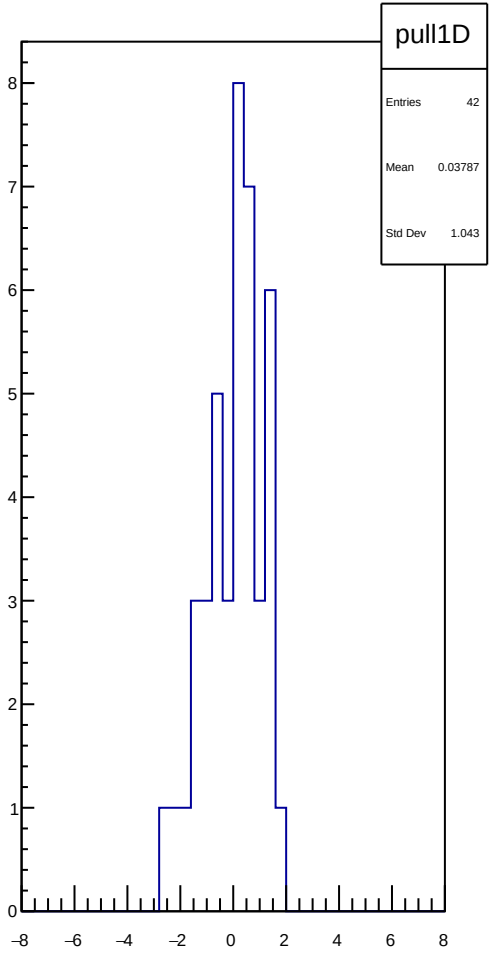

asym_sam_15_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.94 / 41
p0 1.07e+04 ± 5673
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.03326
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

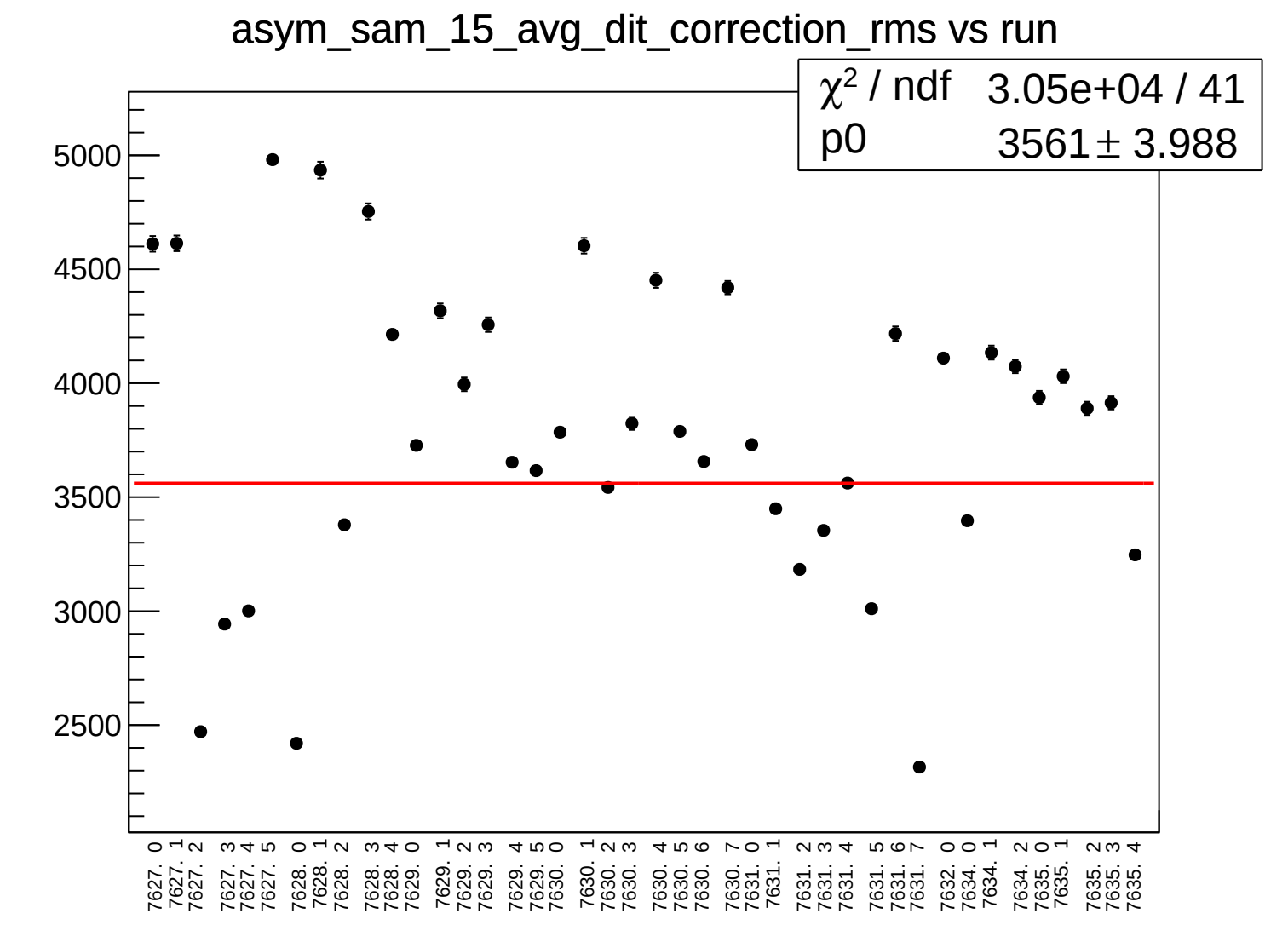

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.287e+04 / 41
p0 3577 ± 4.012
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

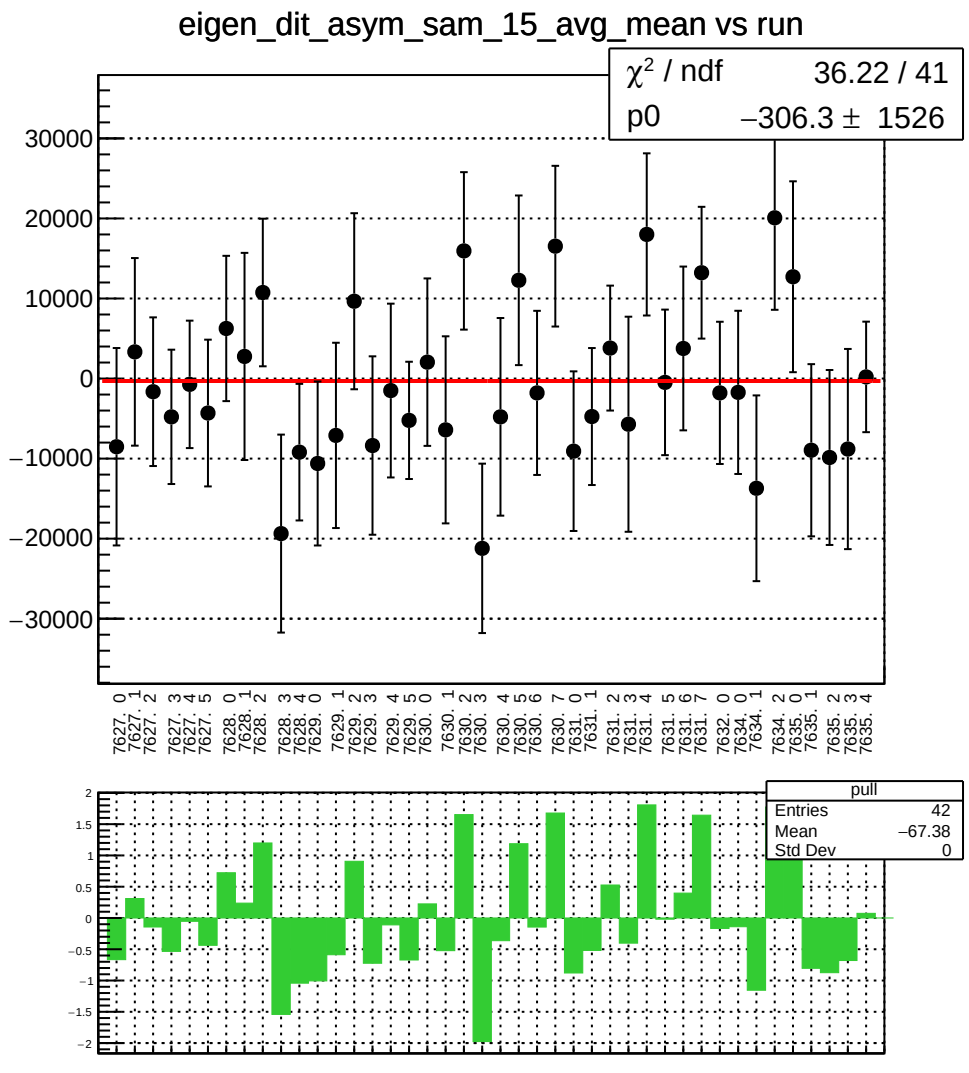

dit_asym_sam_15_avg_mean vs run
χ² / ndf 36.22 / 41
p0 −306.2 ± 1526
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −67.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01727
Std Dev 0.9285
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

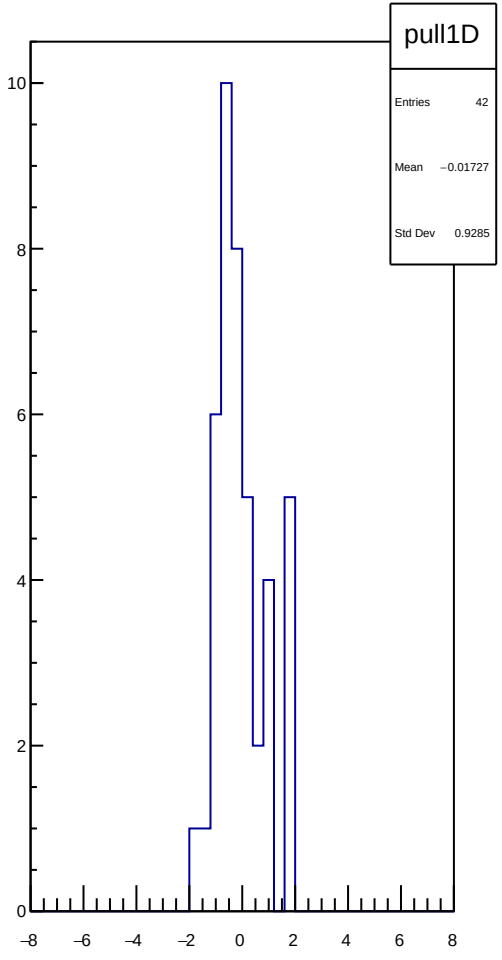

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.52e+04 / 41
p0 973 ± 1.079
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

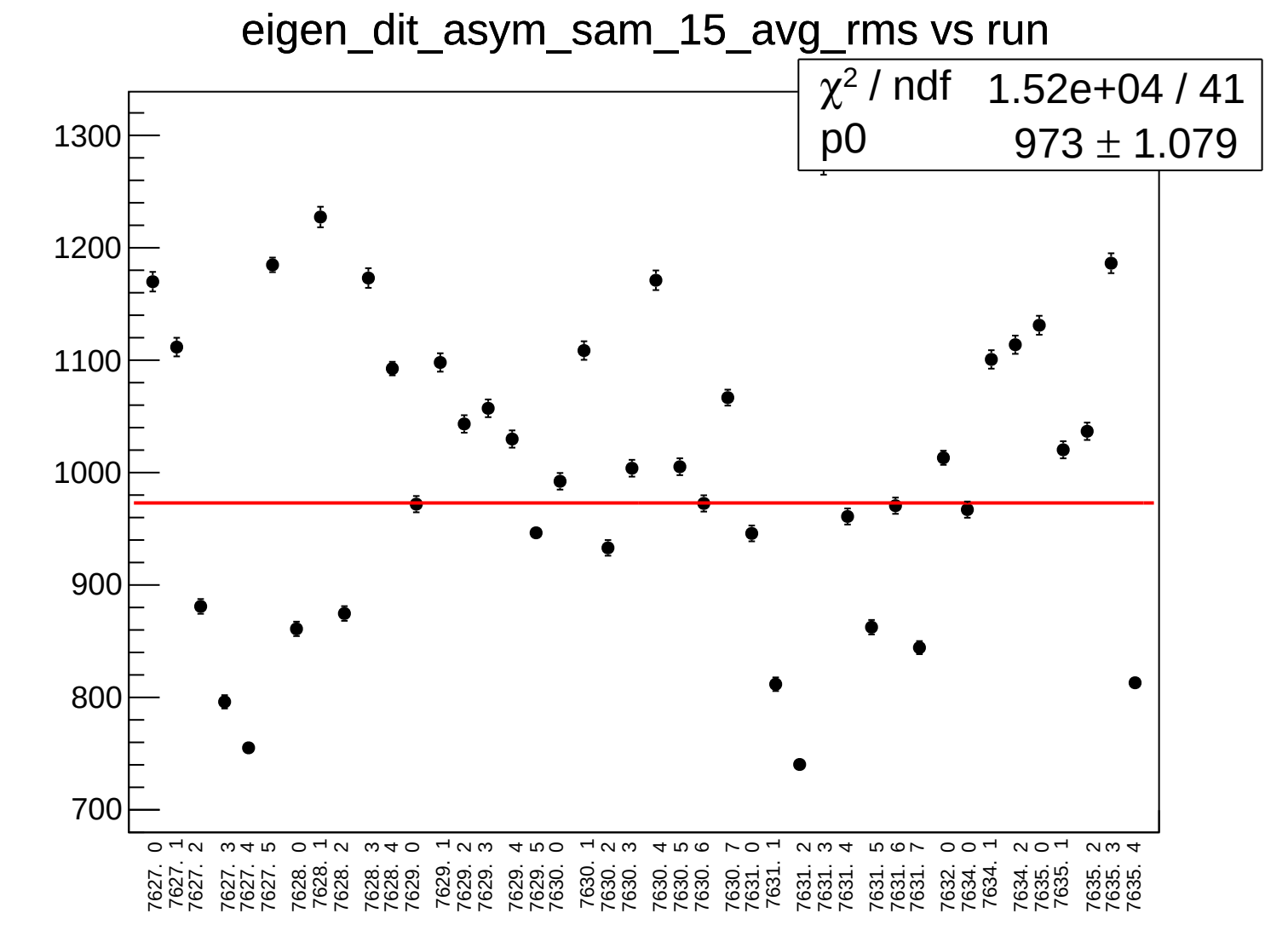

asym_sam_15_avg_dit_correction_mean vs run
×10^3
χ² / ndf 45.73 / 41
p0 1.12e+04 ± 5639
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.98
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.03787
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 3.05e+04 / 41
p0 3561 ± 3.988
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 36.22 / 41
p0 −306.3 ± 1526
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −67.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.01727
Std Dev 0.9285
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 1.52e+04 / 41
p0 973 ± 1.079
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7635. 1
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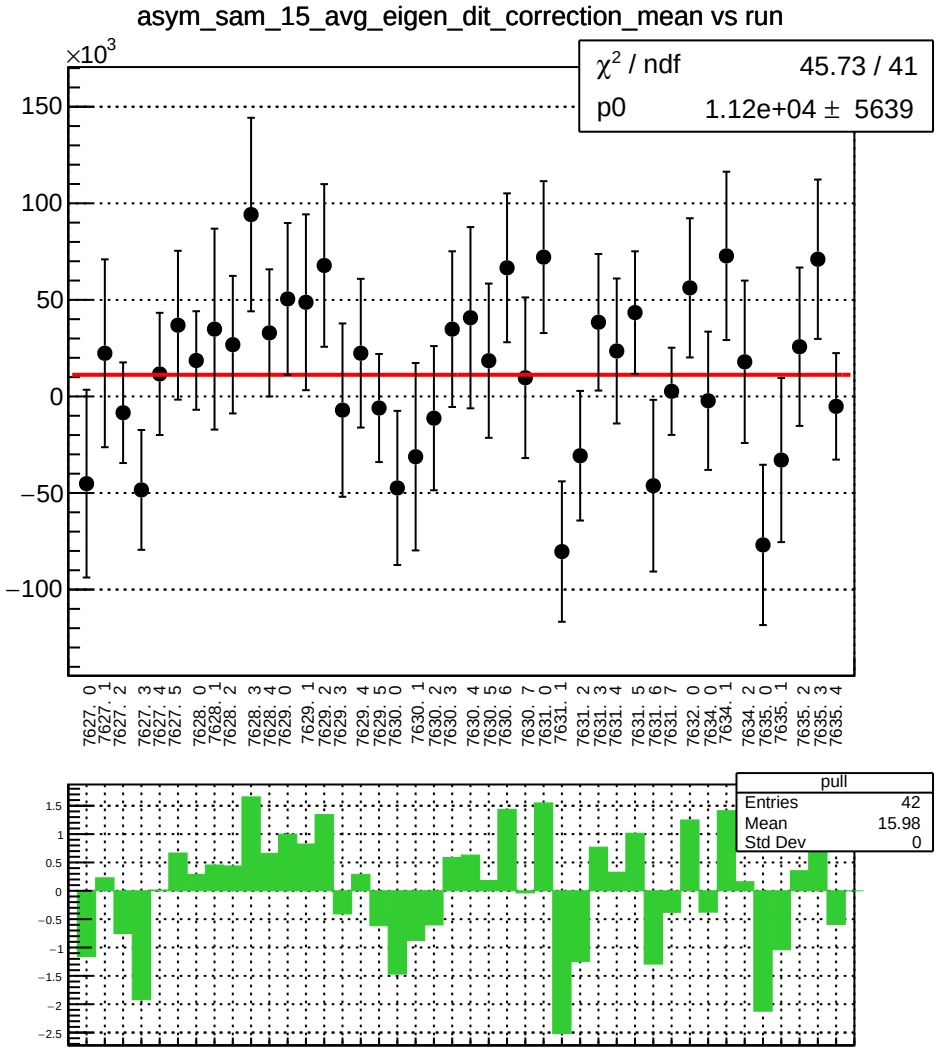
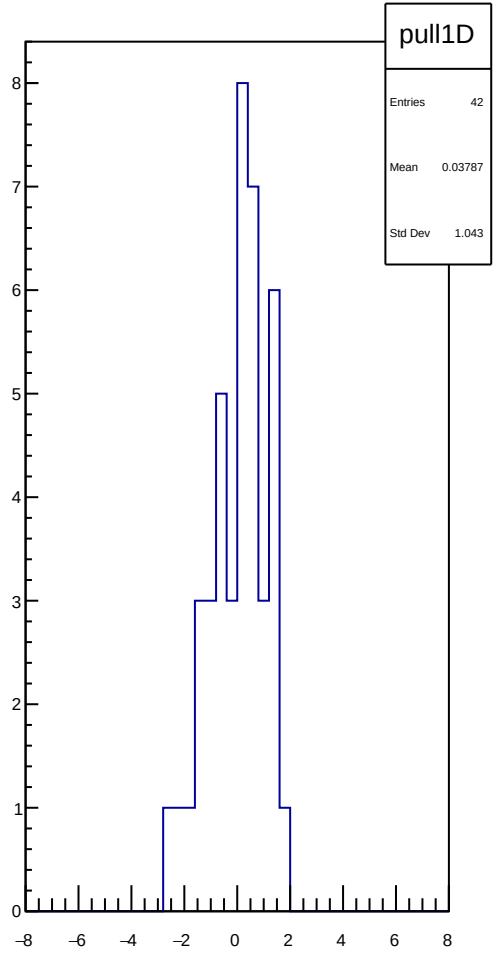
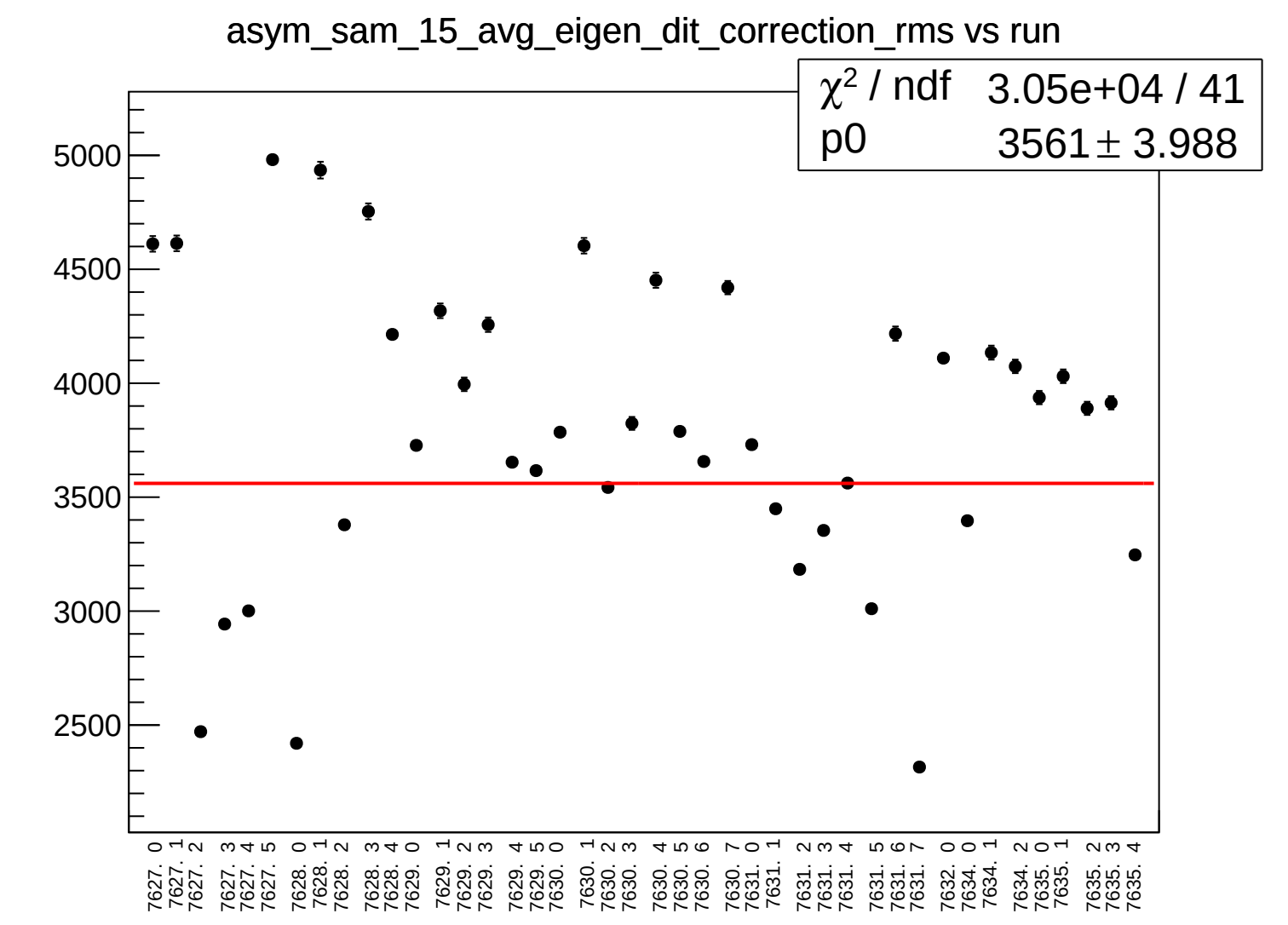
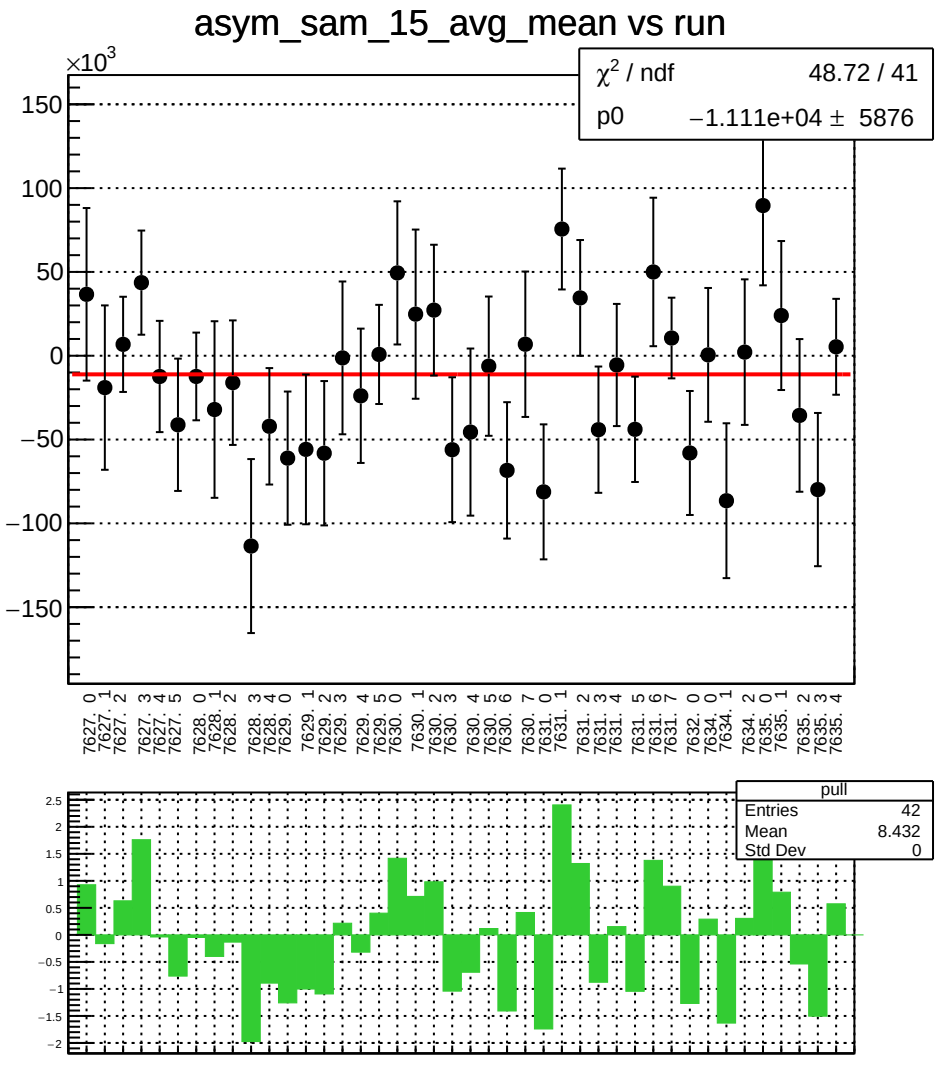
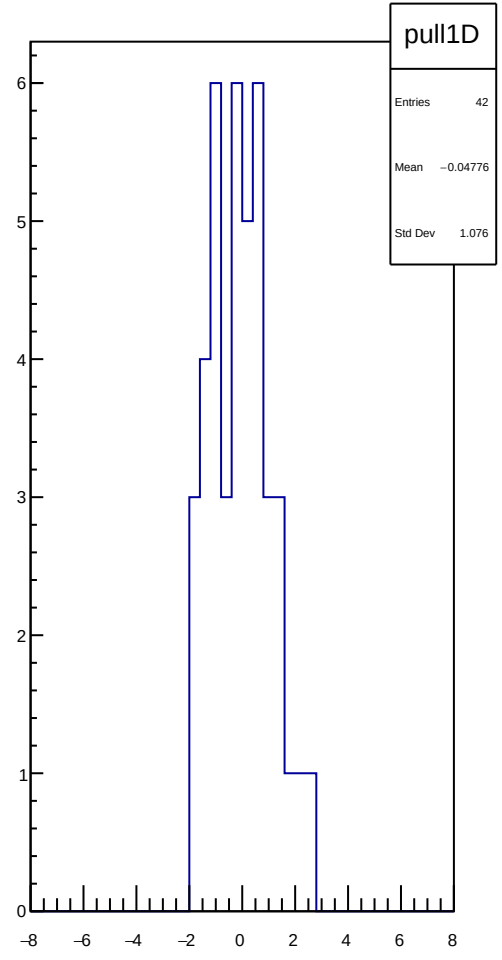
7635. 3
7635. 4

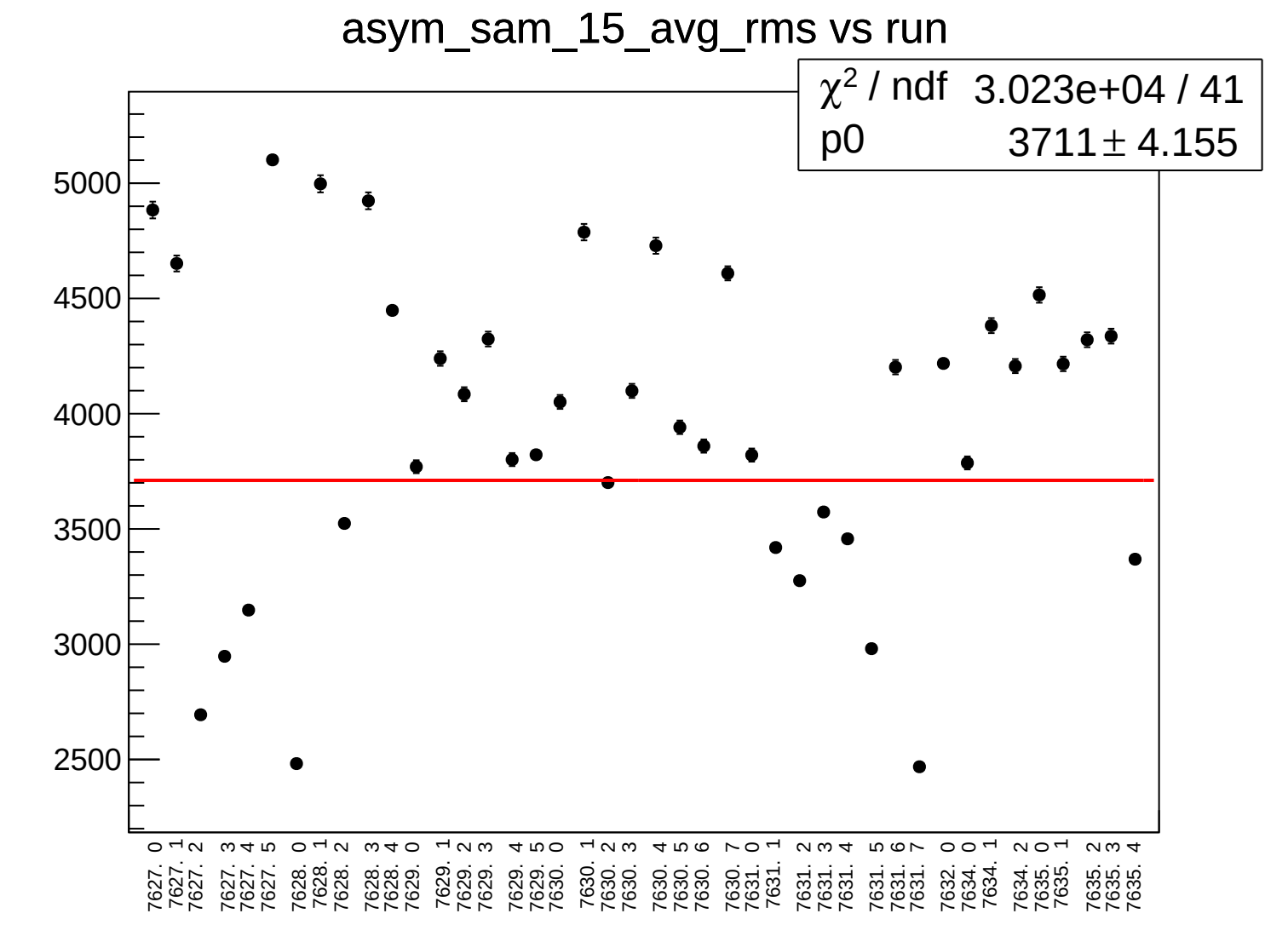

asym_sam_15_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.73 / 41
p0 1.12e+04 ± 5639
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.98
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

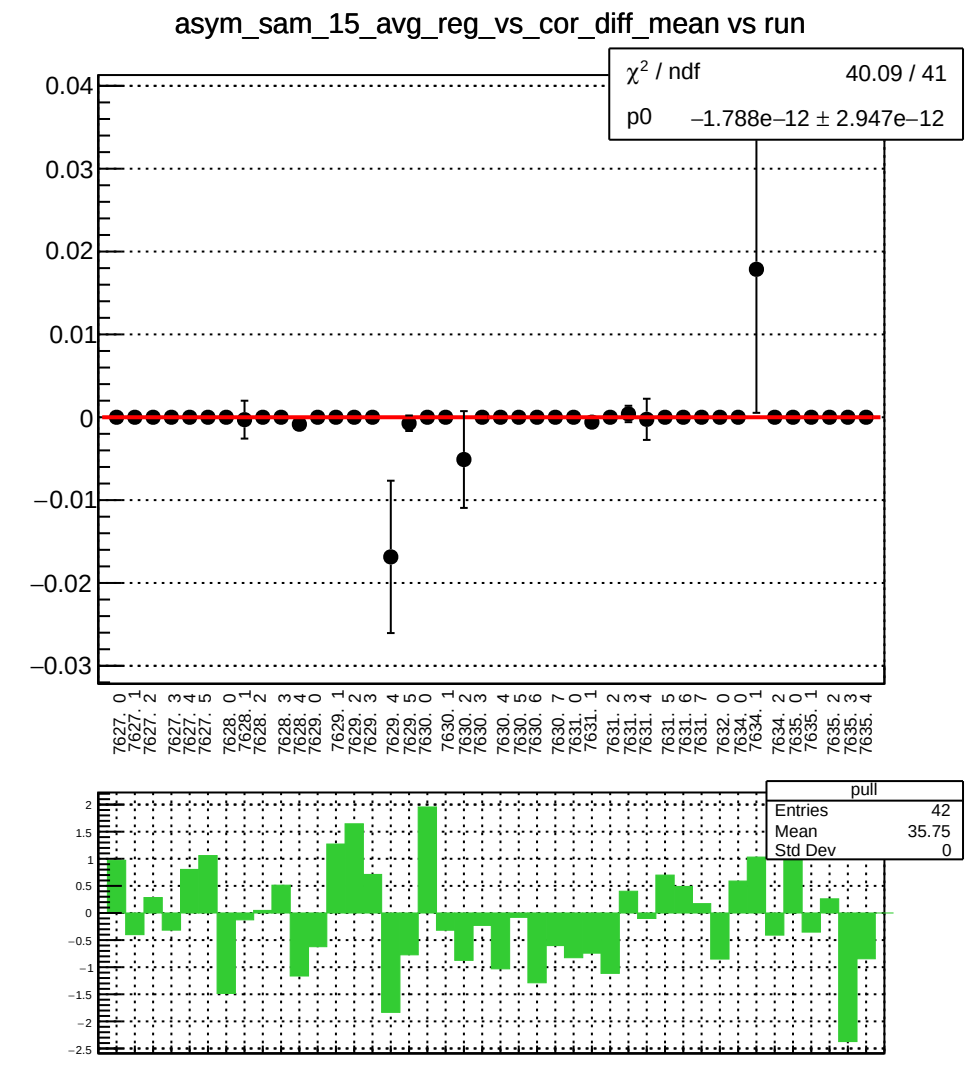

pull1D
Entries 42
Mean 0.03787
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

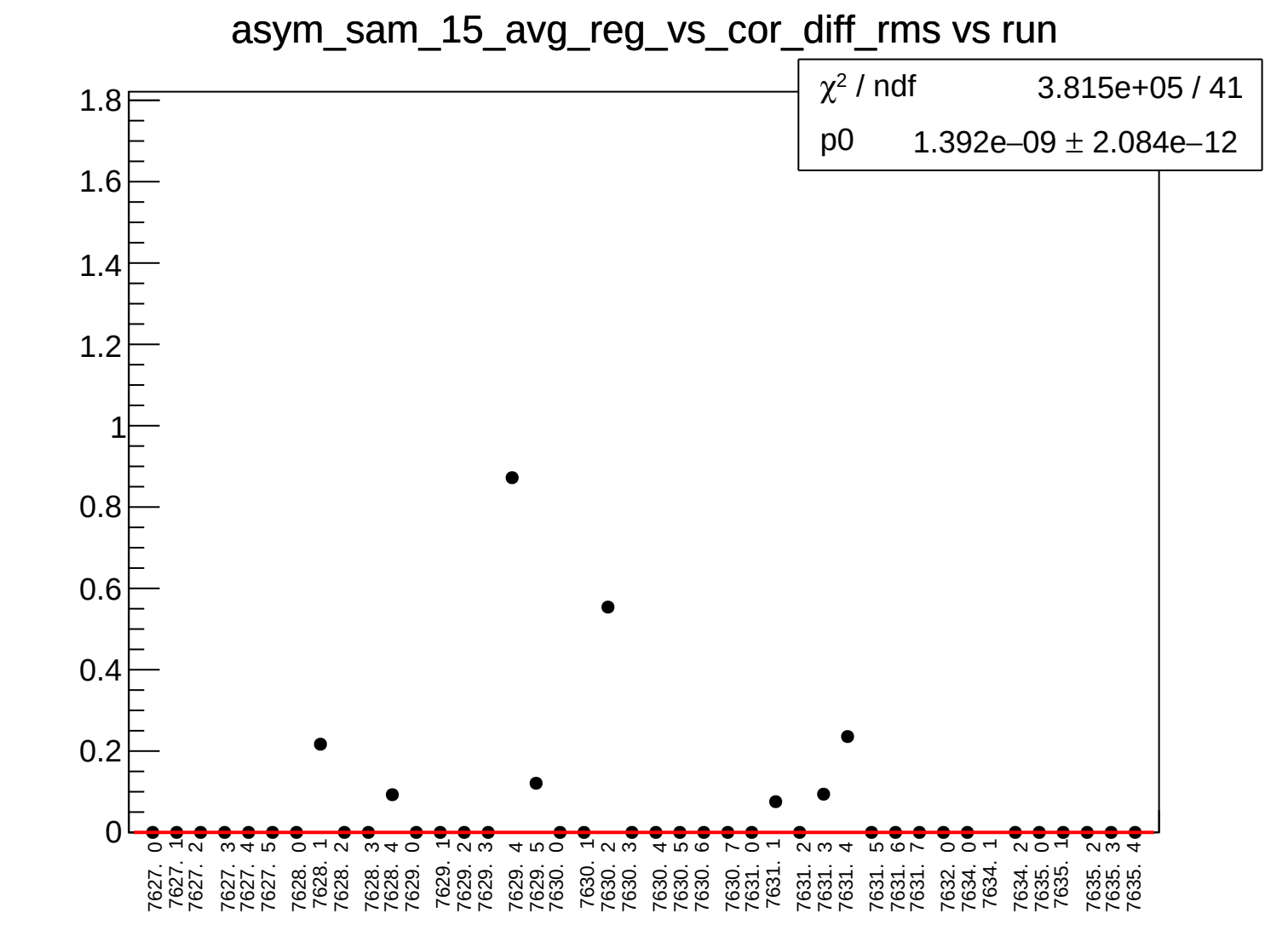

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.05e+04 / 41
p0 3561 ± 3.988
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

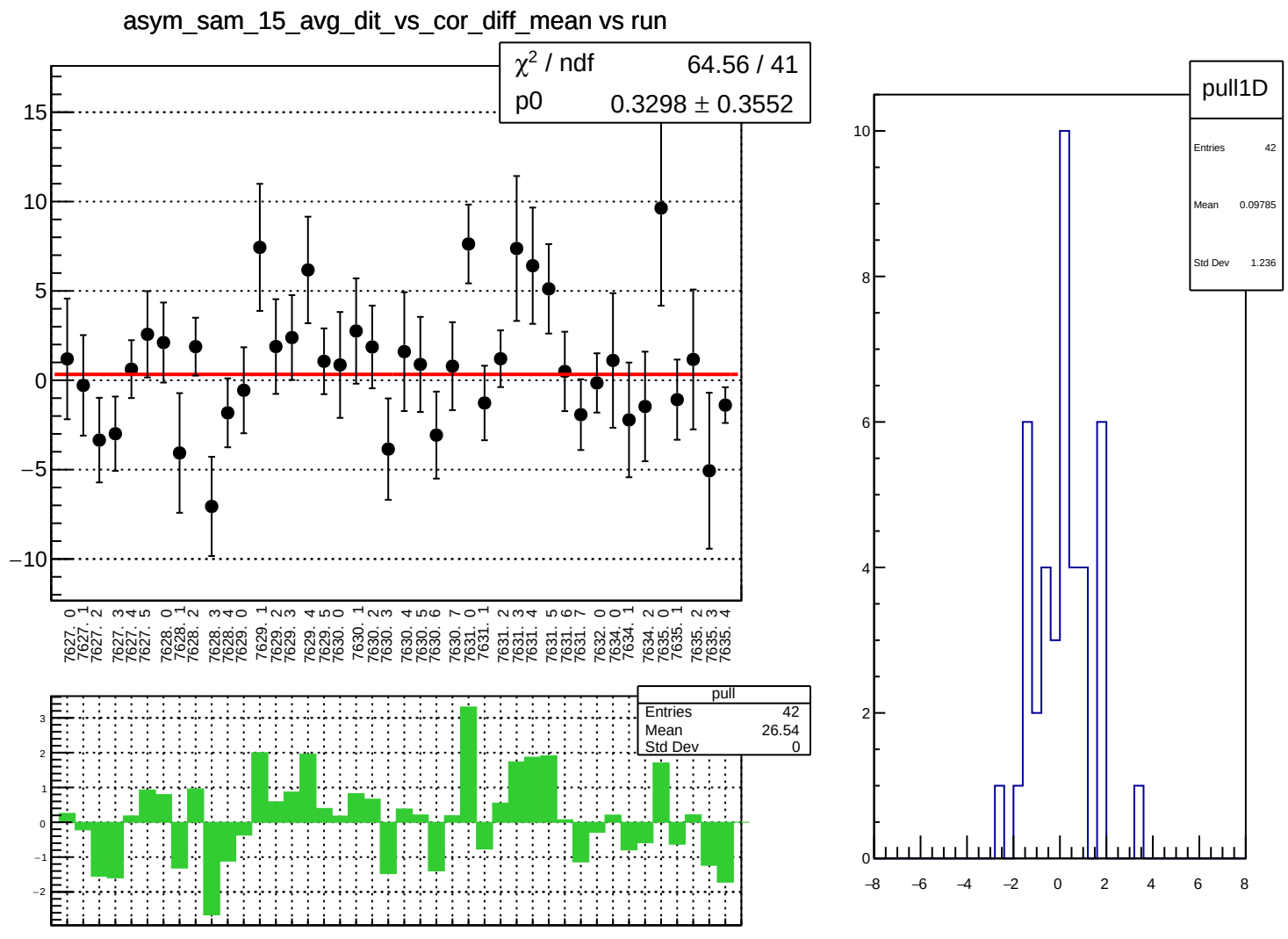

asym_sam_15_avg_mean vs run
×10^3
χ² / ndf 48.72 / 41
p0 −1.111e+04 ± 5876
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 8.432
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

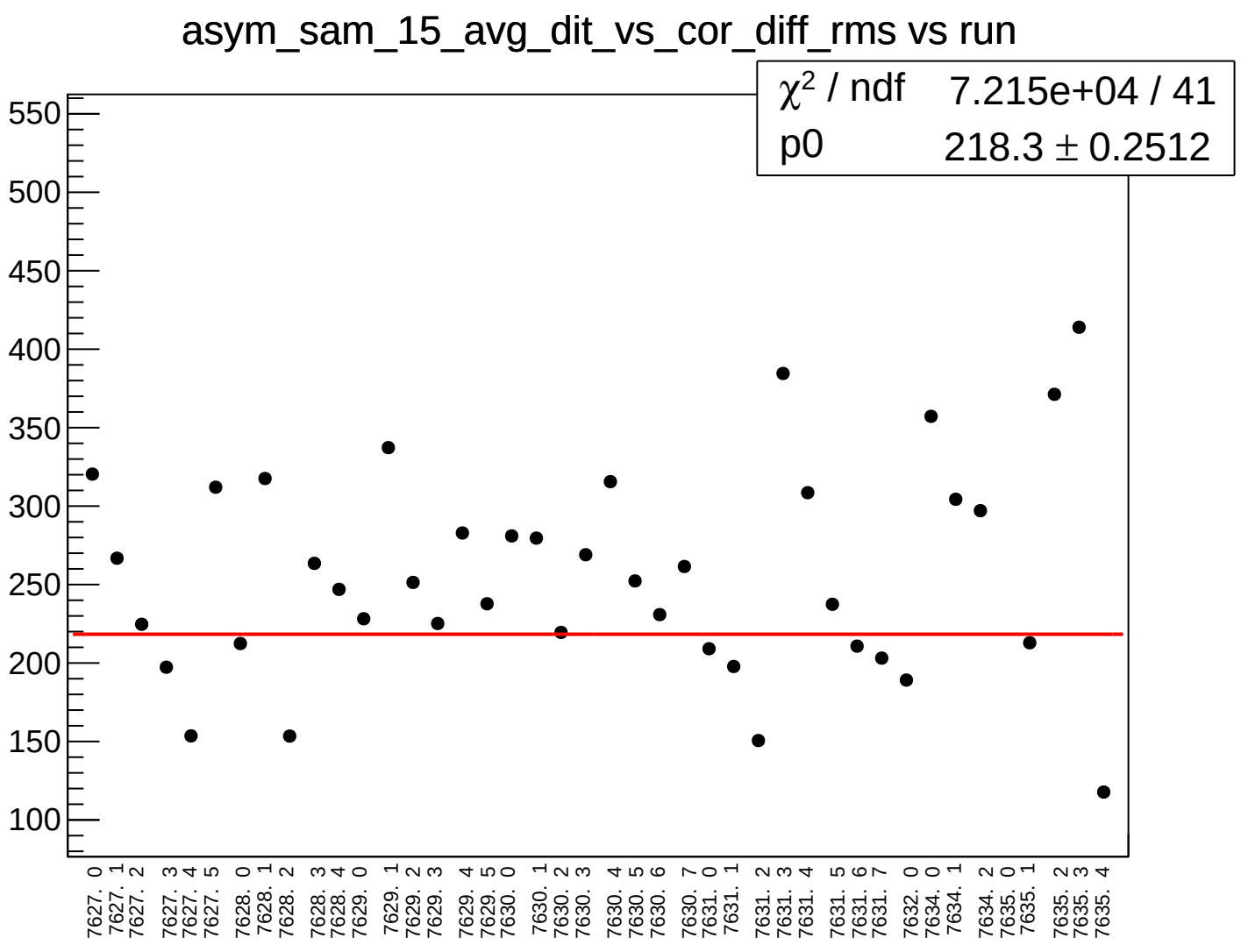

pull1D
Entries 42
Mean −0.04776
Std Dev 1.076
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

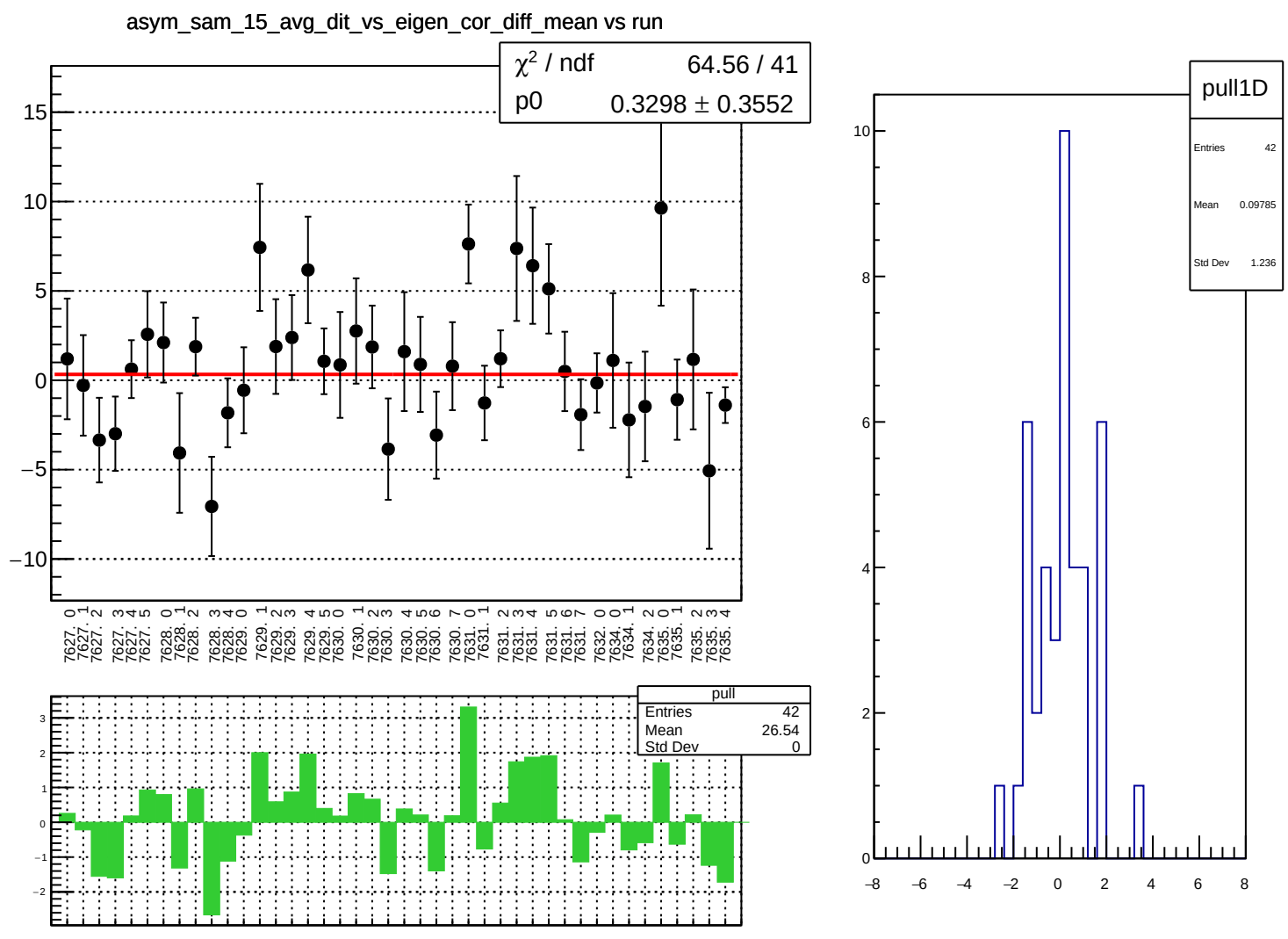

asym_sam_15_avg_rms vs run
χ^2 / ndf 3.023e+04 / 41
p0 3711 ± 4.155
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

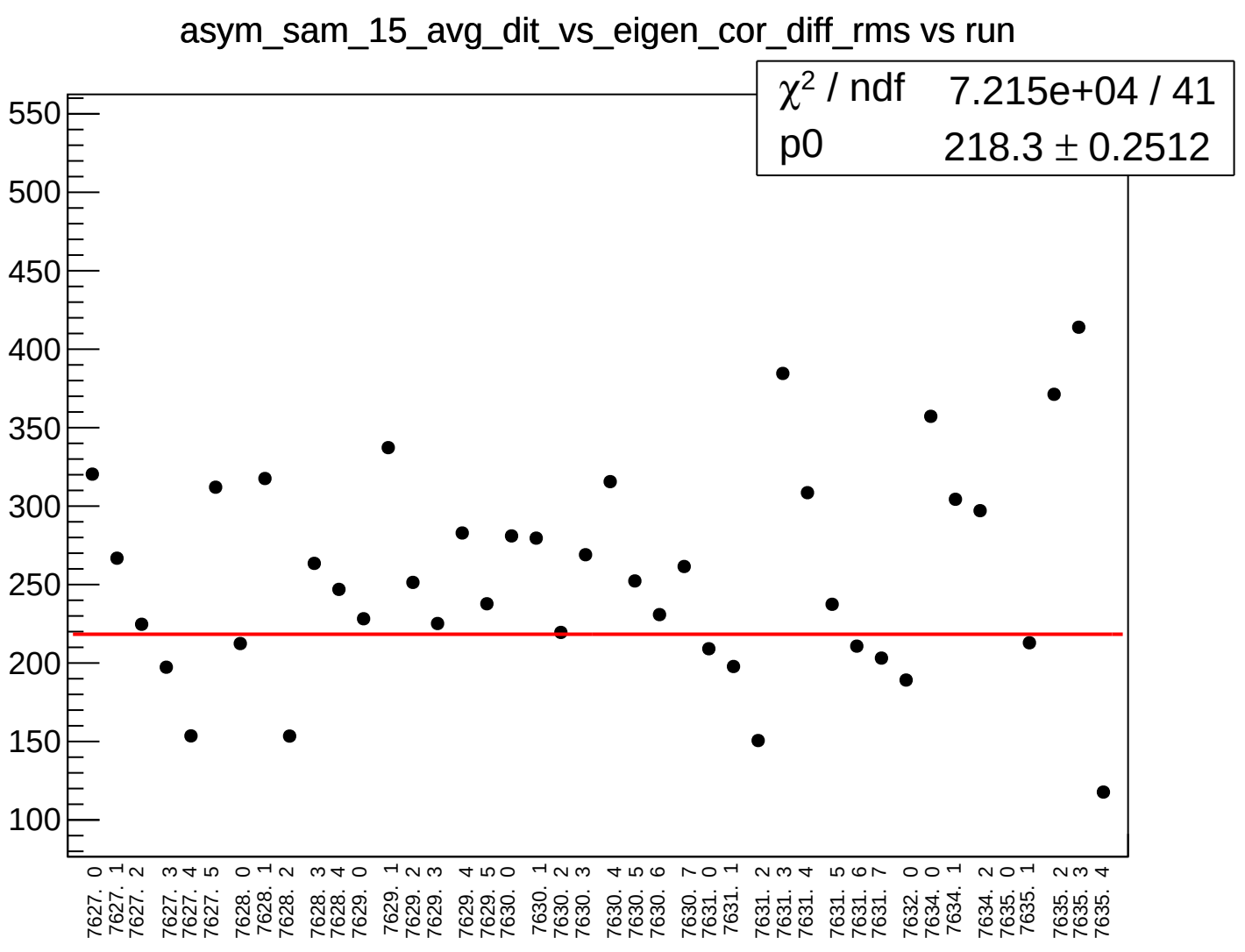

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 40.09 / 41
p0 −1.788e−12 ± 2.947e−12
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 35.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.09149
Std Dev 0.9727
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

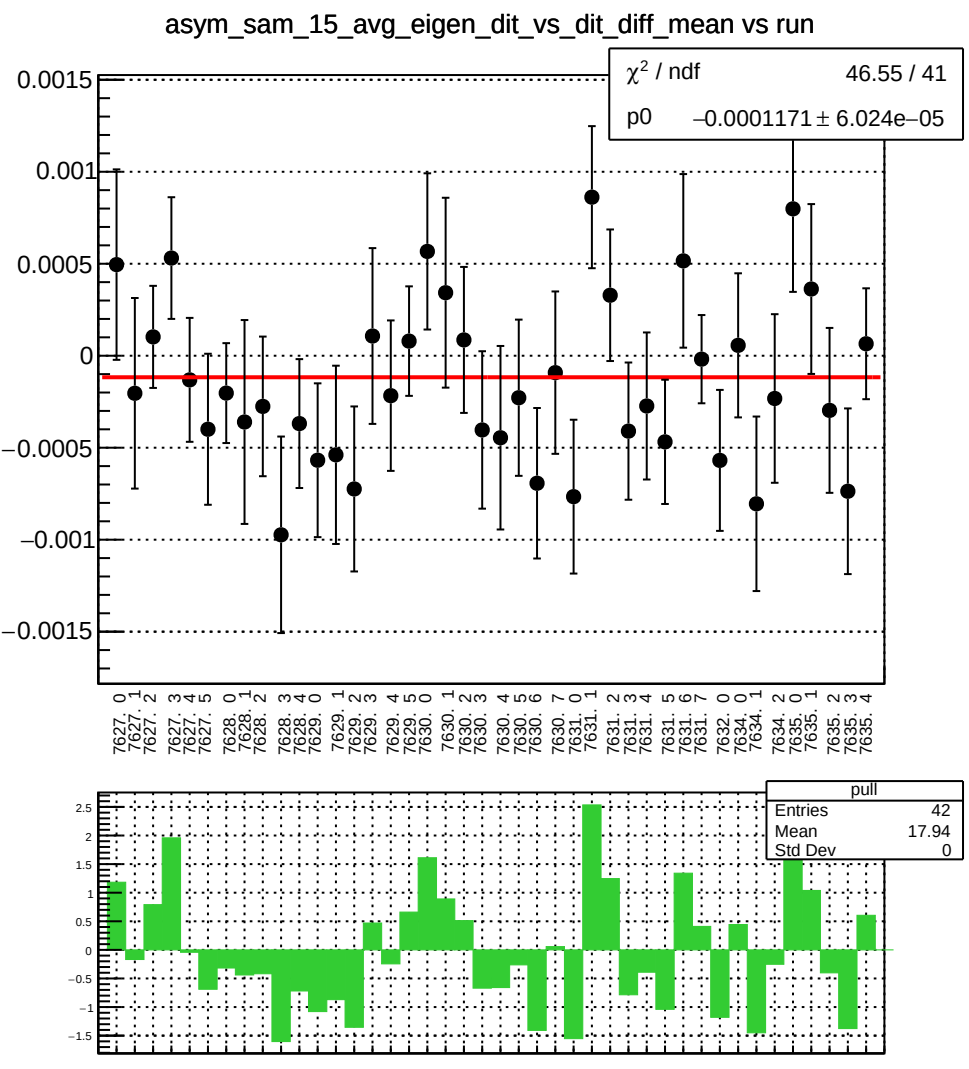

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.815e+05 / 41
p0 1.392e−09 ± 2.084e−12
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

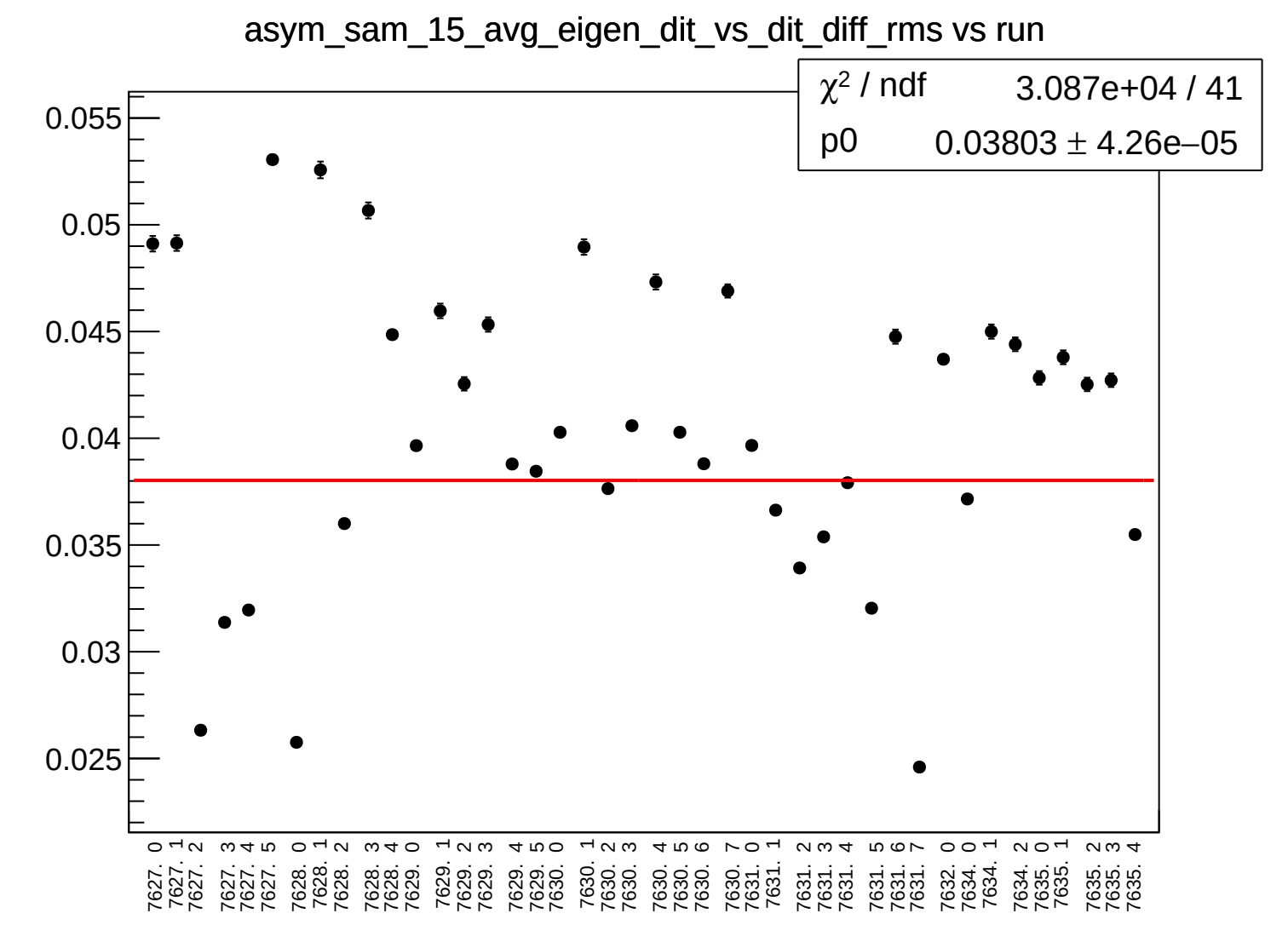

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 64.56 / 41
p0 0.3298 ± 0.3552
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.54
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.09785
Std Dev 1.236
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.215e+04 / 41
p0 218.3 ± 0.2512
550
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.56 / 41
p0 0.3298 ± 0.3552
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.54
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.09785
Std Dev 1.236
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.215e+04 / 41
p0 218.3 ± 0.2512
550
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 46.55 / 41
p0 −0.0001171 ± 6.024e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03771
Std Dev 1.052
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_dit_diff_rms vs run
χ² / ndf 3.087e+04 / 41
p0 0.03803 ± 4.26e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7634. 1
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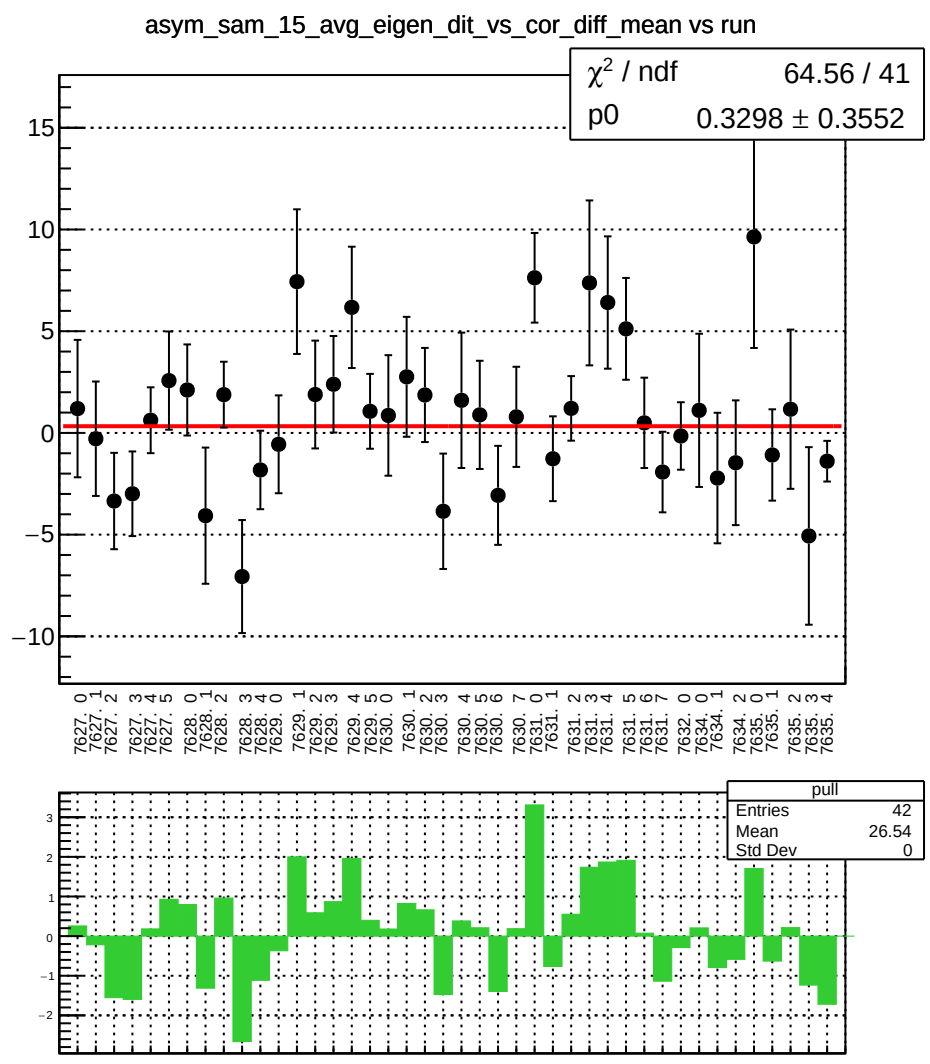
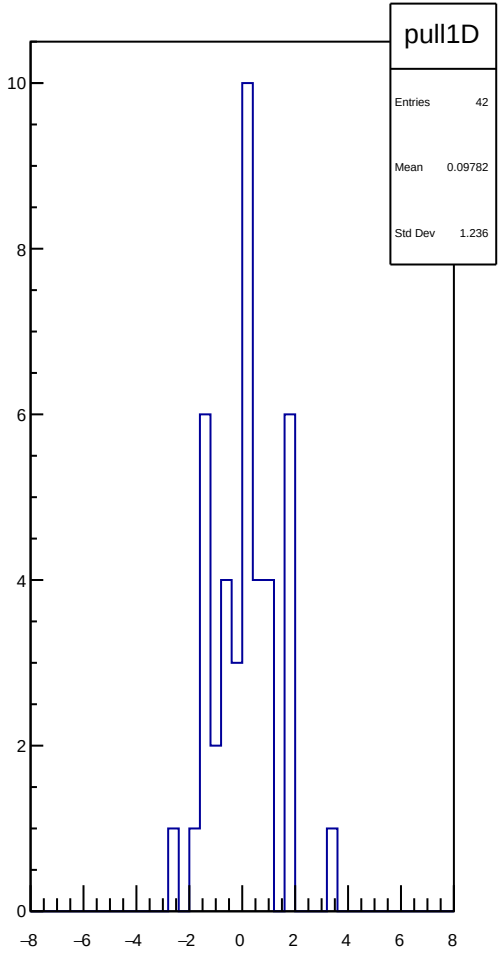
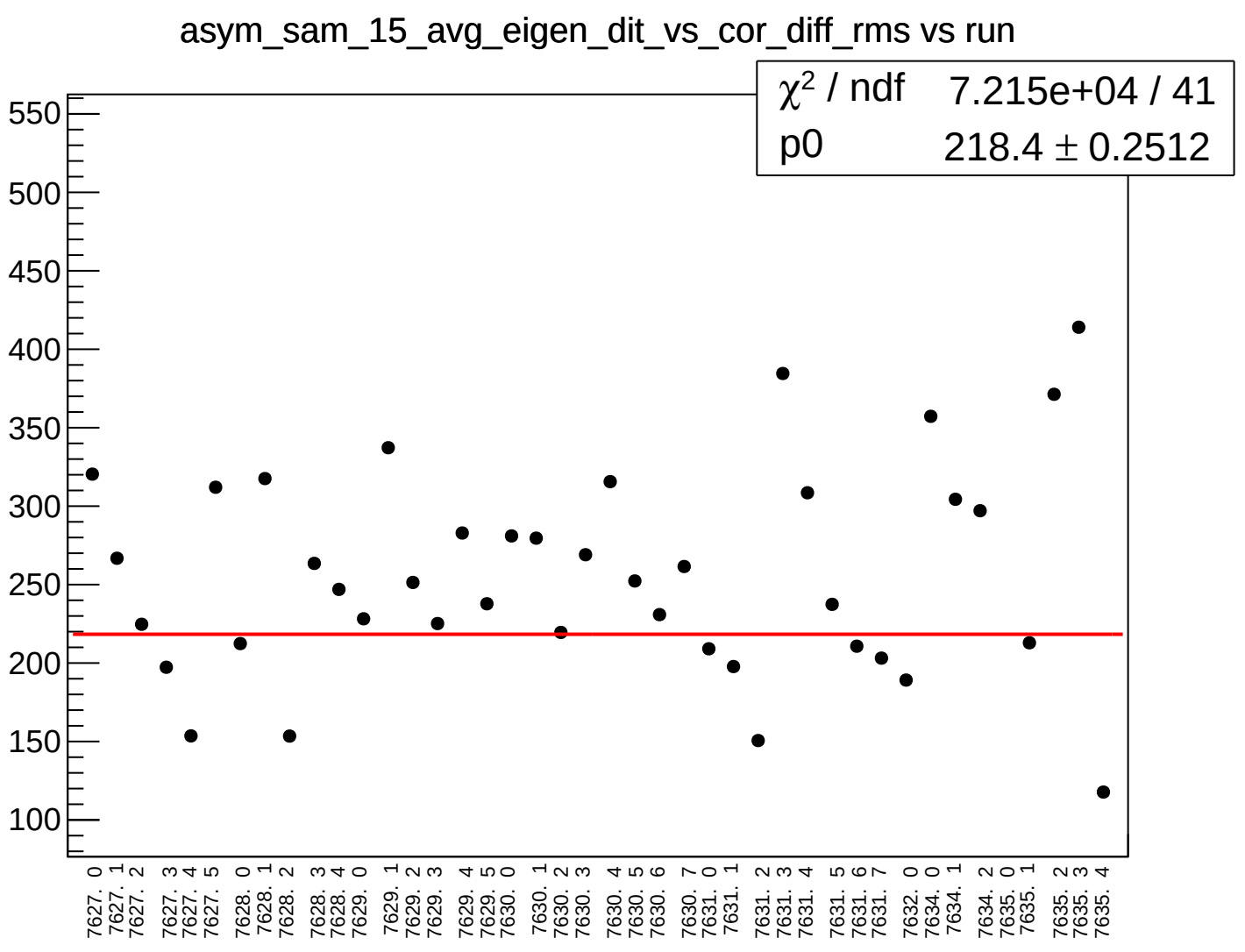
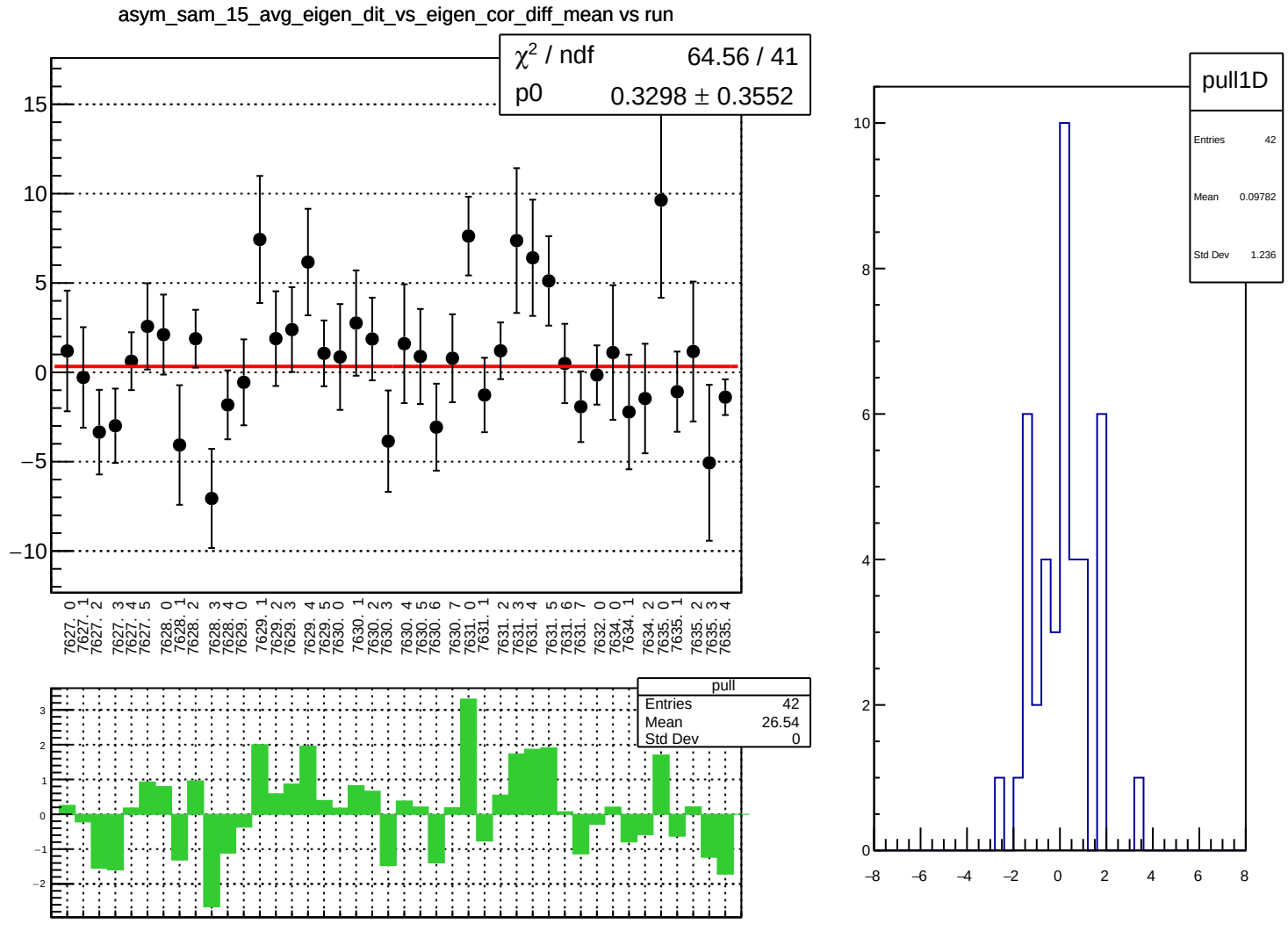
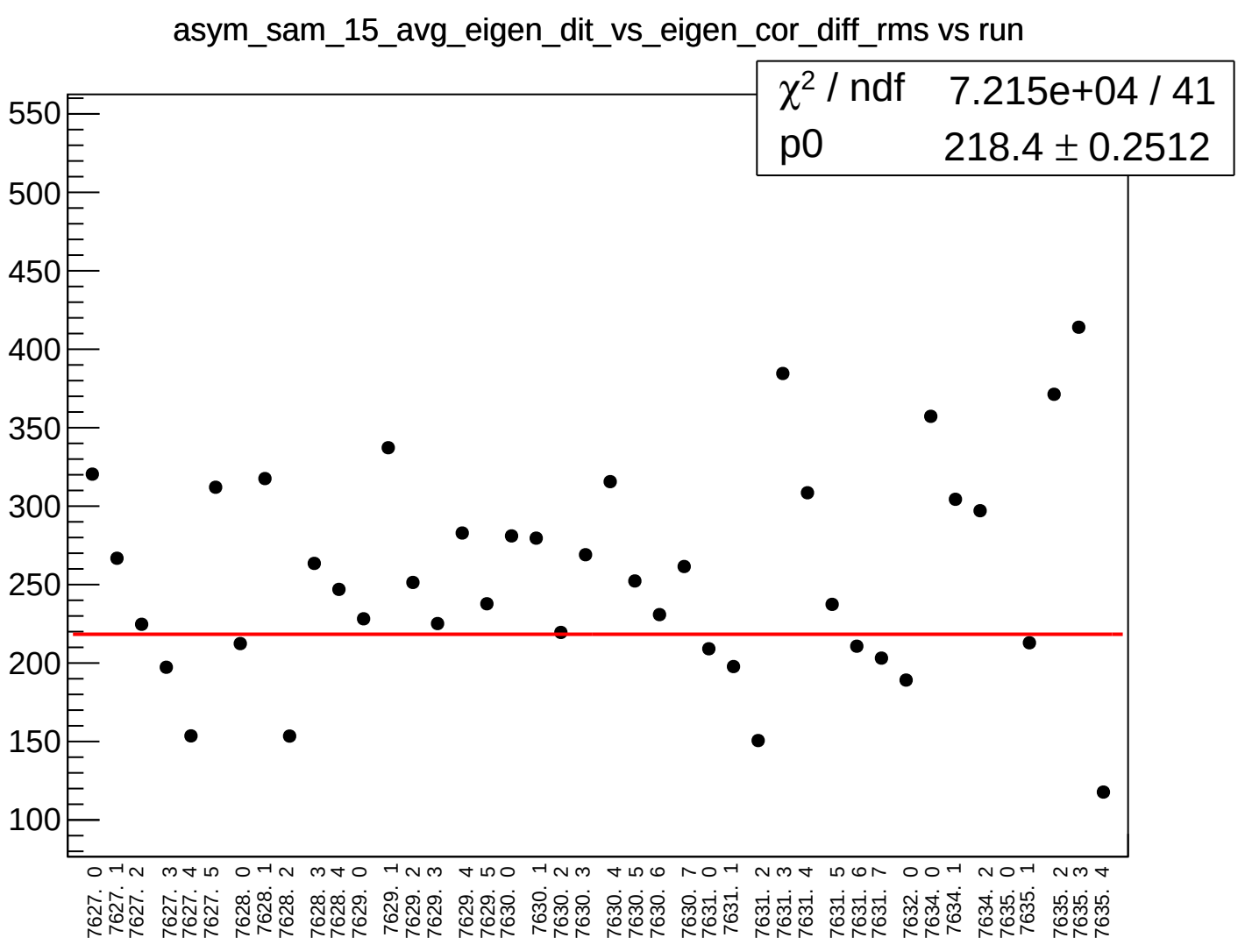
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

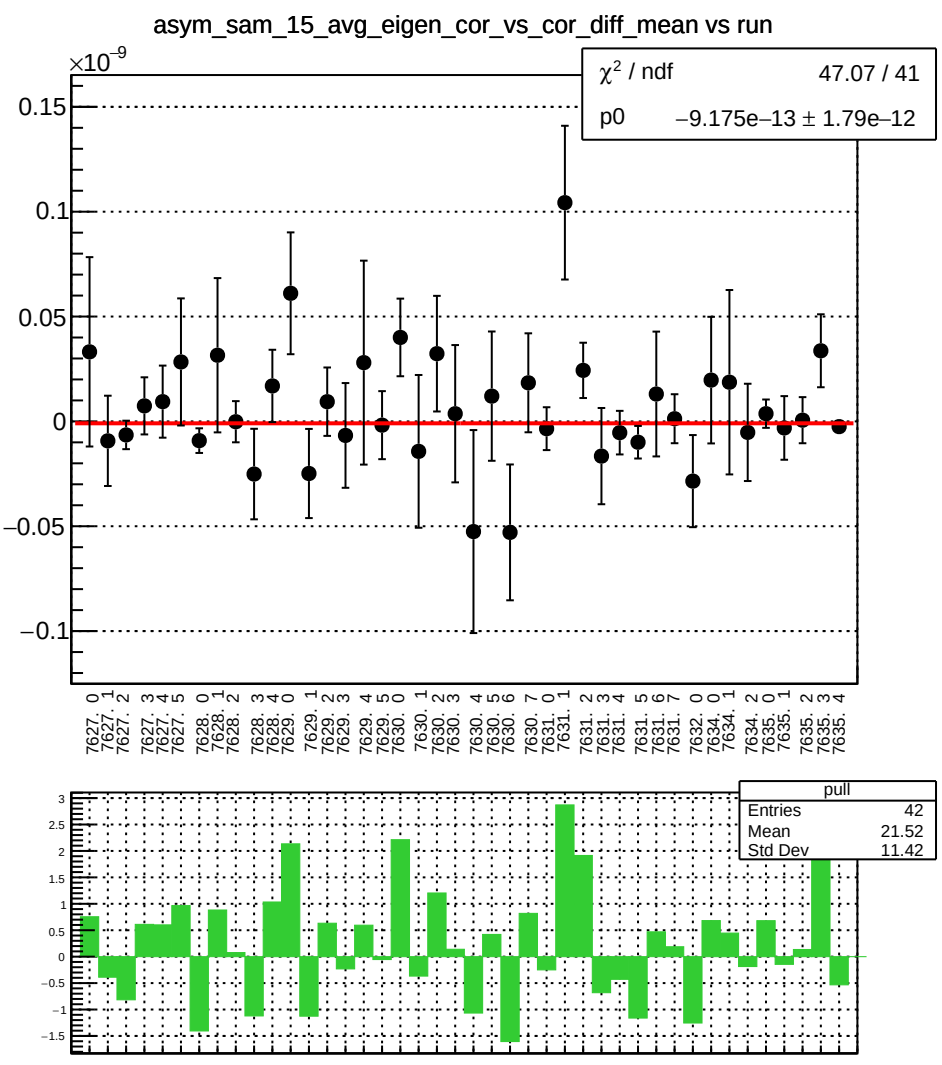

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.56 / 41
p0 0.3298 ± 0.3552
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.54
Std Dev 0
3
2
1
0
−1
−2

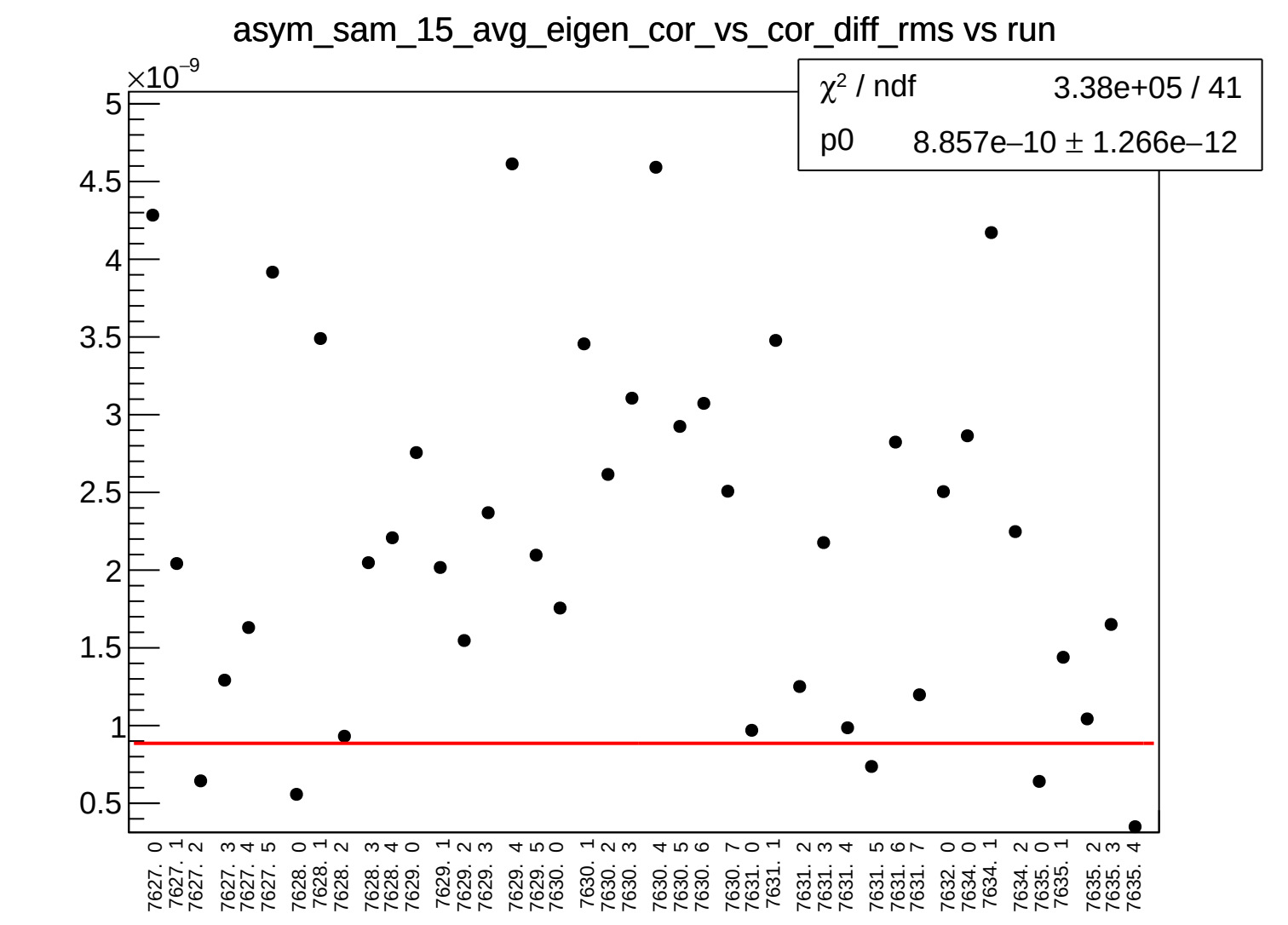

pull1D
Entries 42
Mean 0.09782
Std Dev 1.236
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

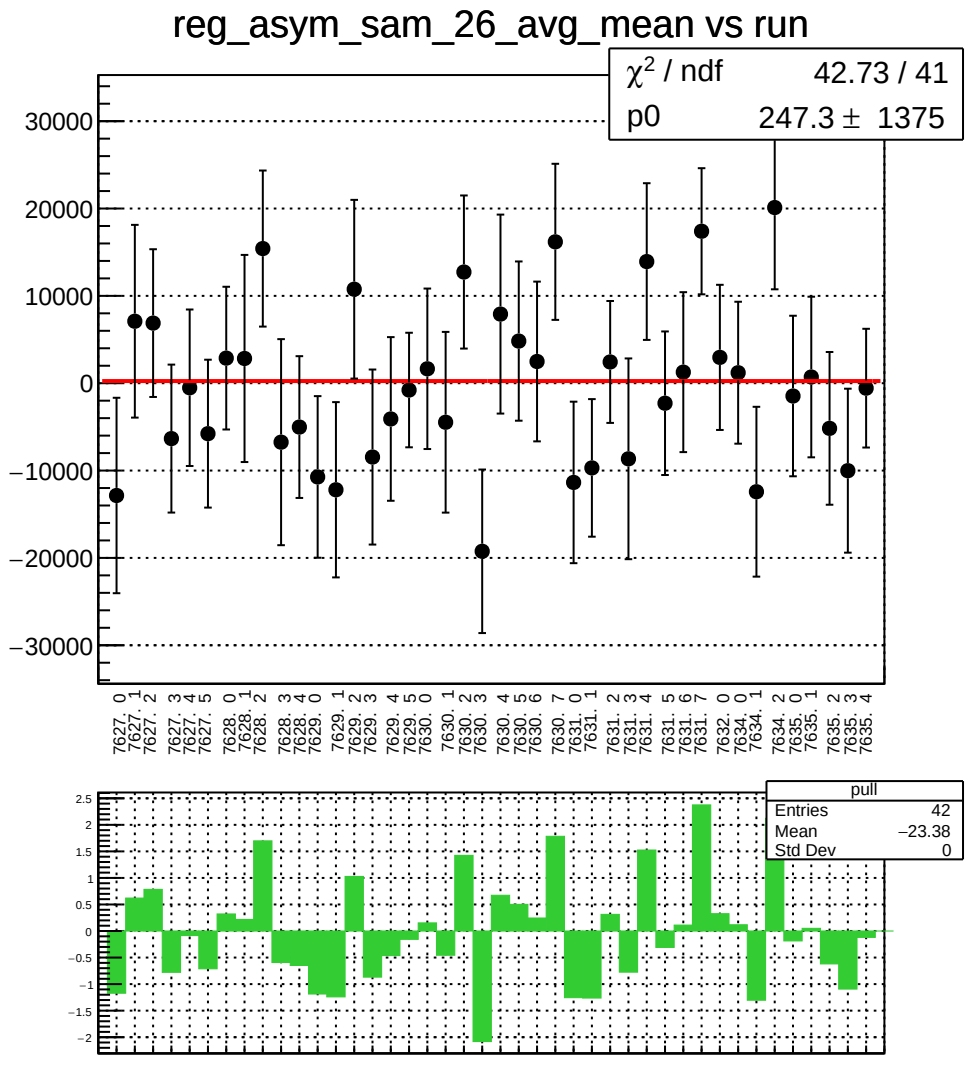

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.215e+04 / 41
p0 218.4 ± 0.2512
550
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

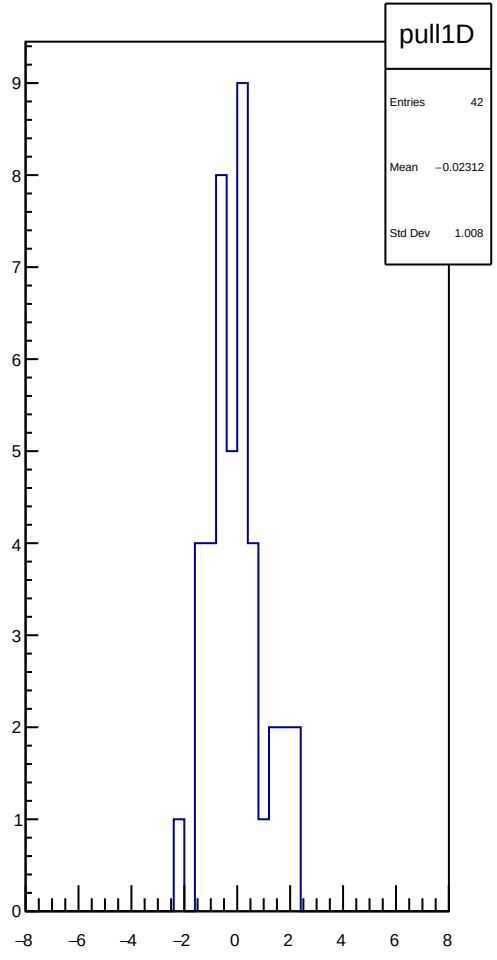

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.56 / 41
p0 0.3298 ± 0.3552
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.54
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.09782
Std Dev 1.236
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

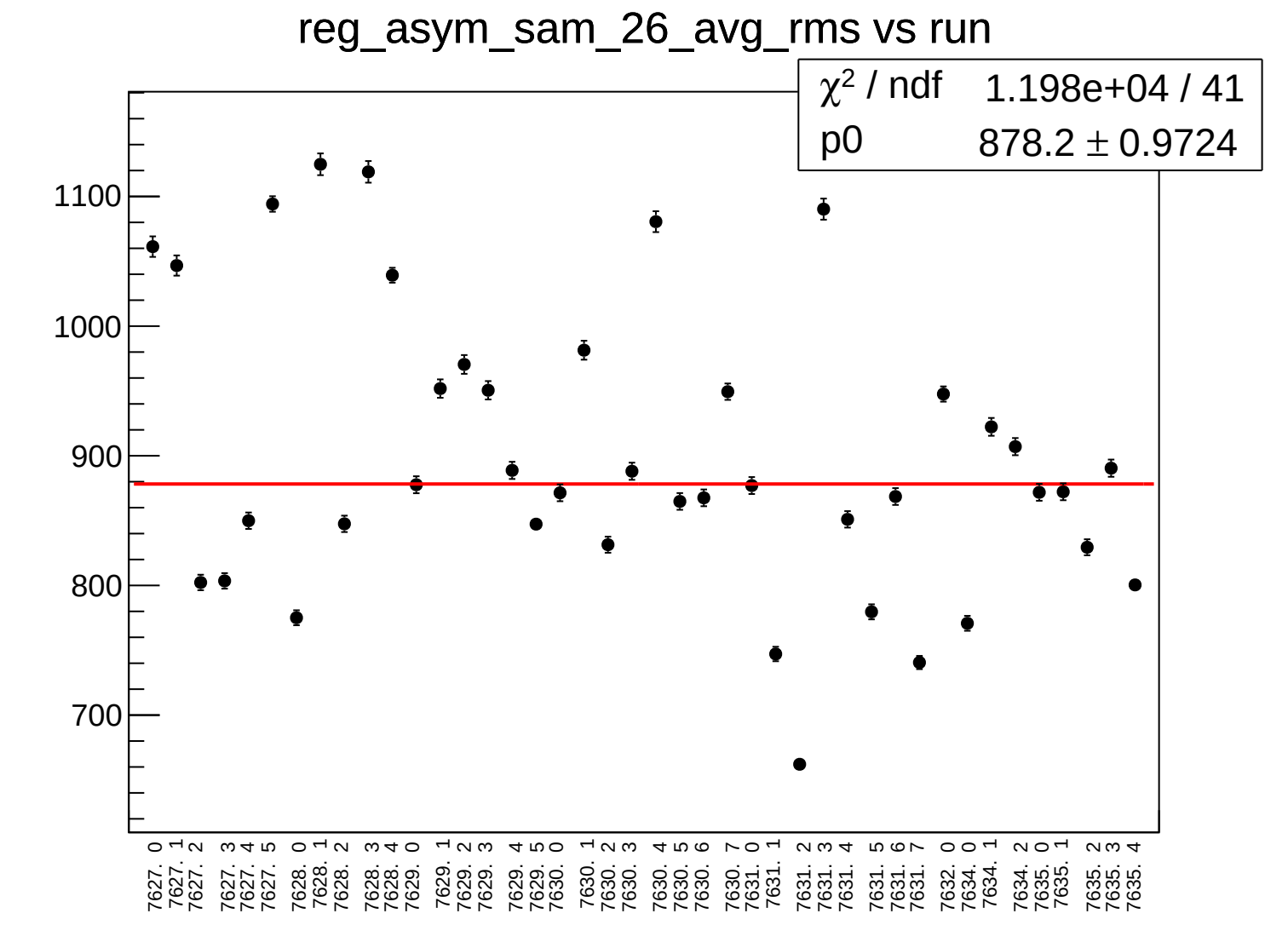

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.215e+04 / 41
p0 218.4 ± 0.2512
550
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

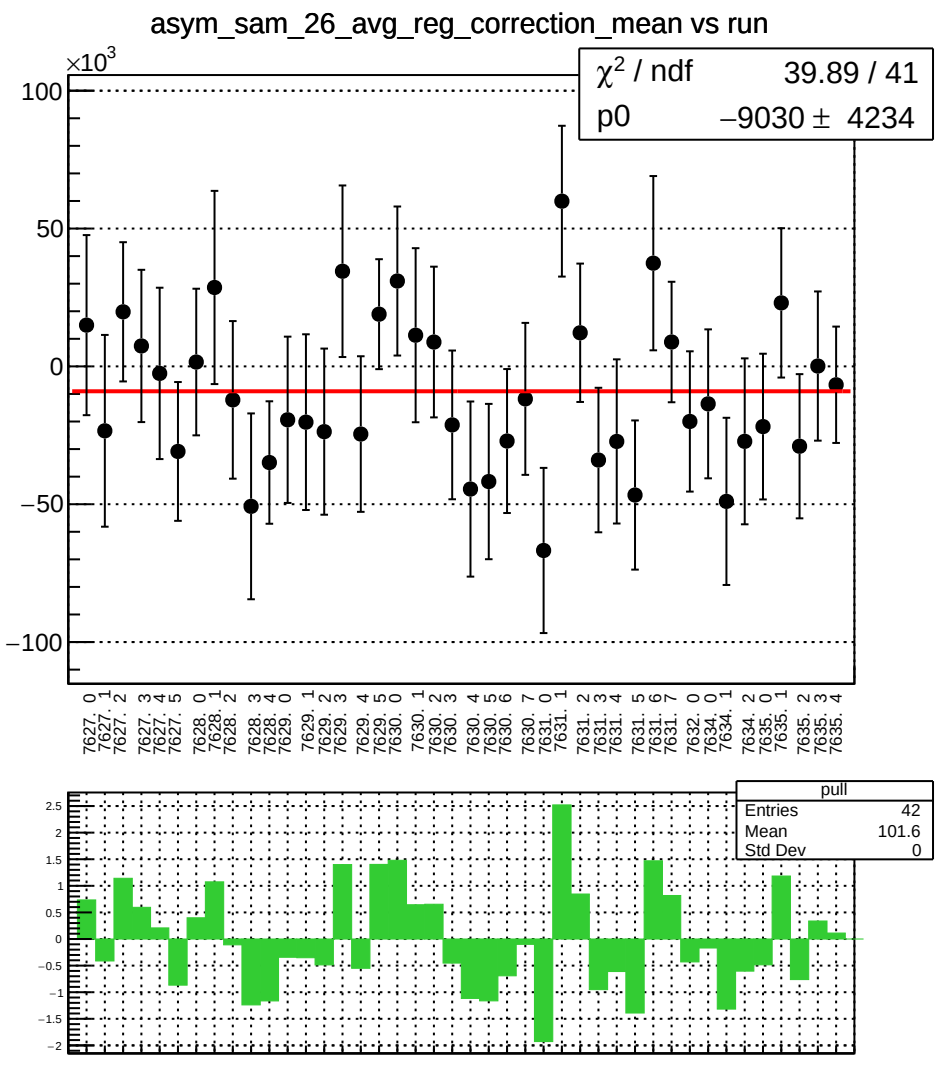

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 47.07 / 41
p0 −9.175e−13 ± 1.79e−12
0.15
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21.52
Std Dev 11.42
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.2294
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

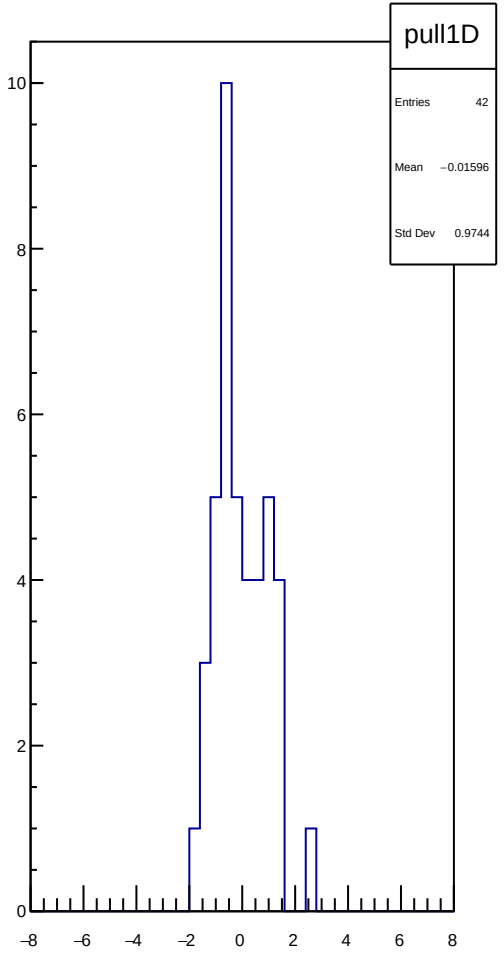

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.38e+05 / 41
p0 8.857e−10 ± 1.266e−12
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

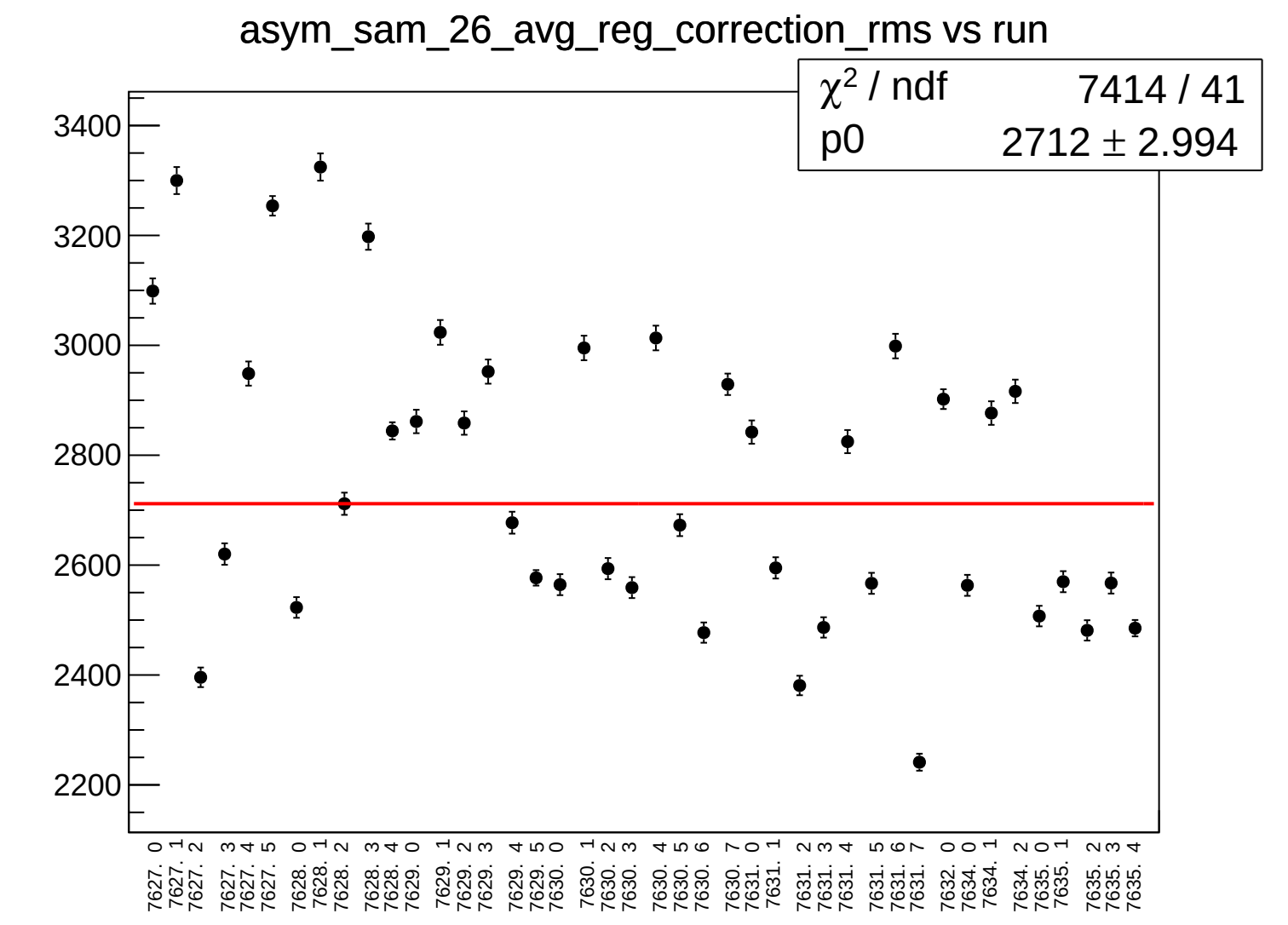

reg_asym_sam_26_avg_mean vs run
χ² / ndf 42.73 / 41
p0 247.3 ± 1375
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.38
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

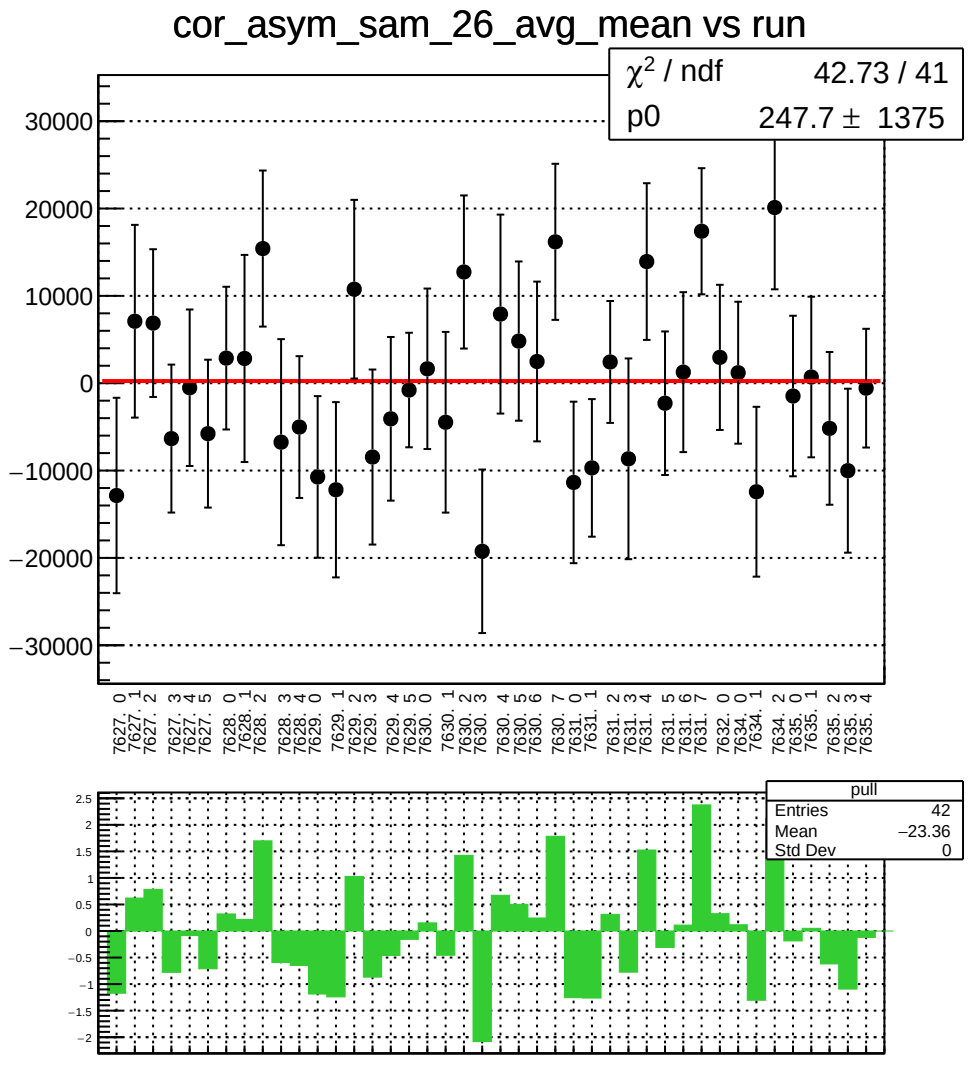

pull1D
Entries 42
Mean −0.02312
Std Dev 1.008
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

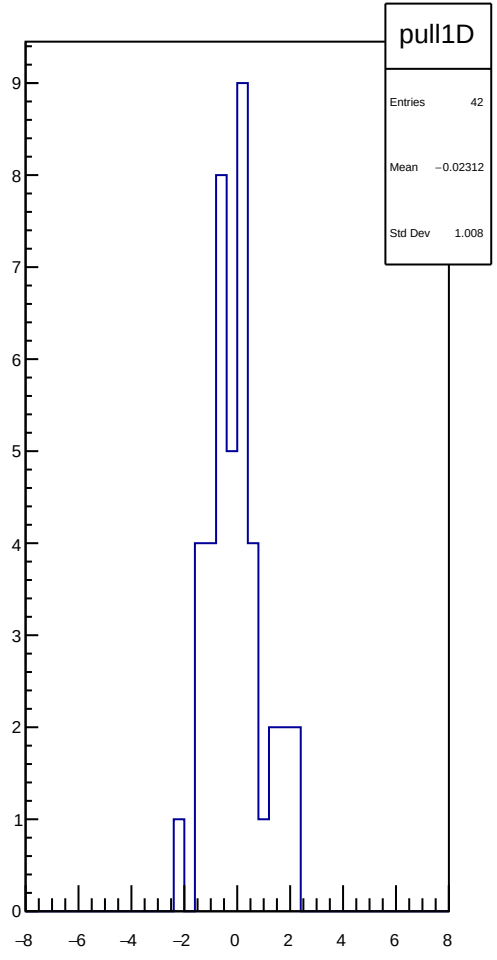

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.198e+04 / 41
p0 878.2 ± 0.9724
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

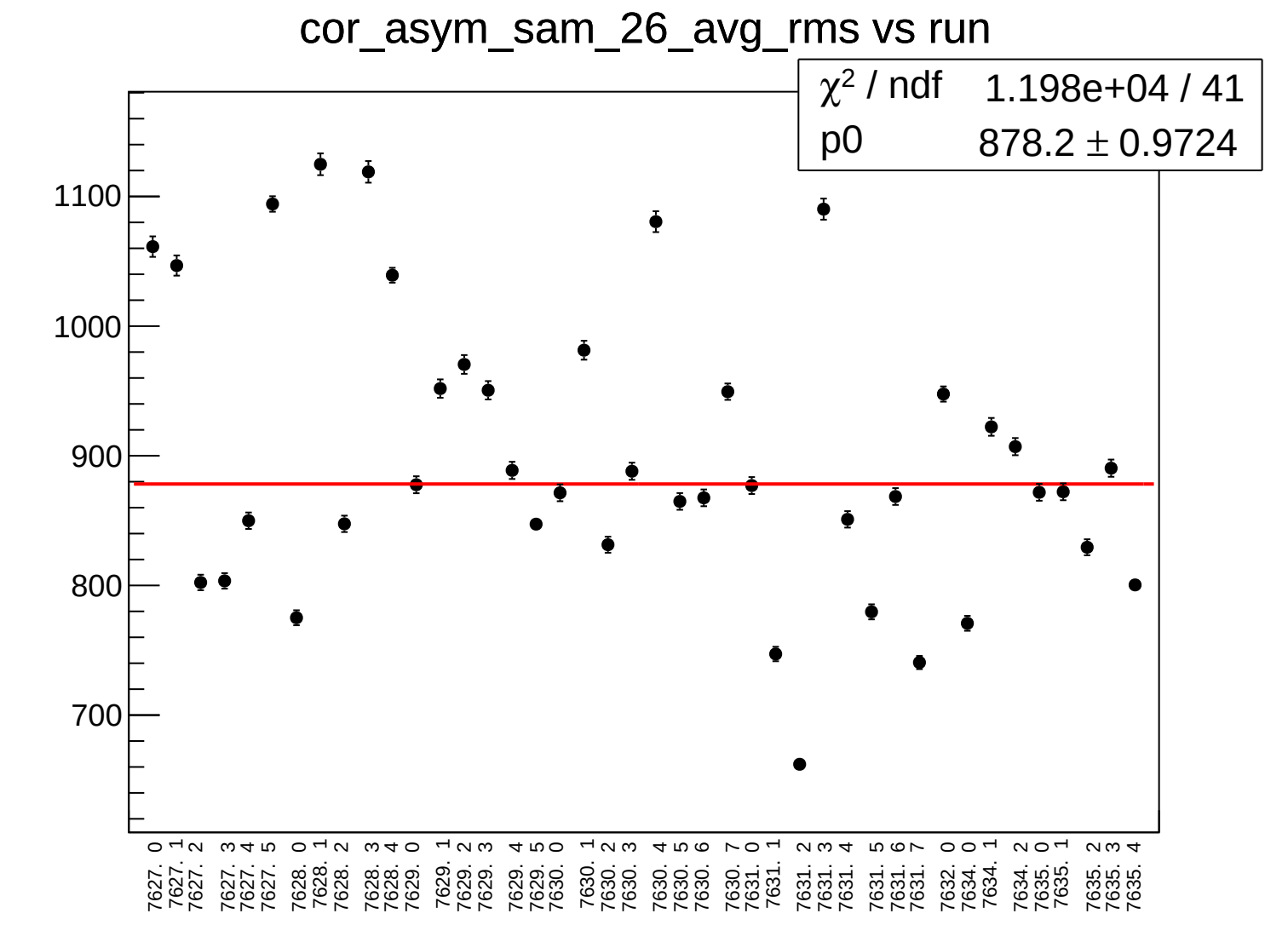

asym_sam_26_avg_reg_correction_mean vs run
×10^3
χ² / ndf 39.89 / 41
p0 −9030 ± 4234
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 101.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

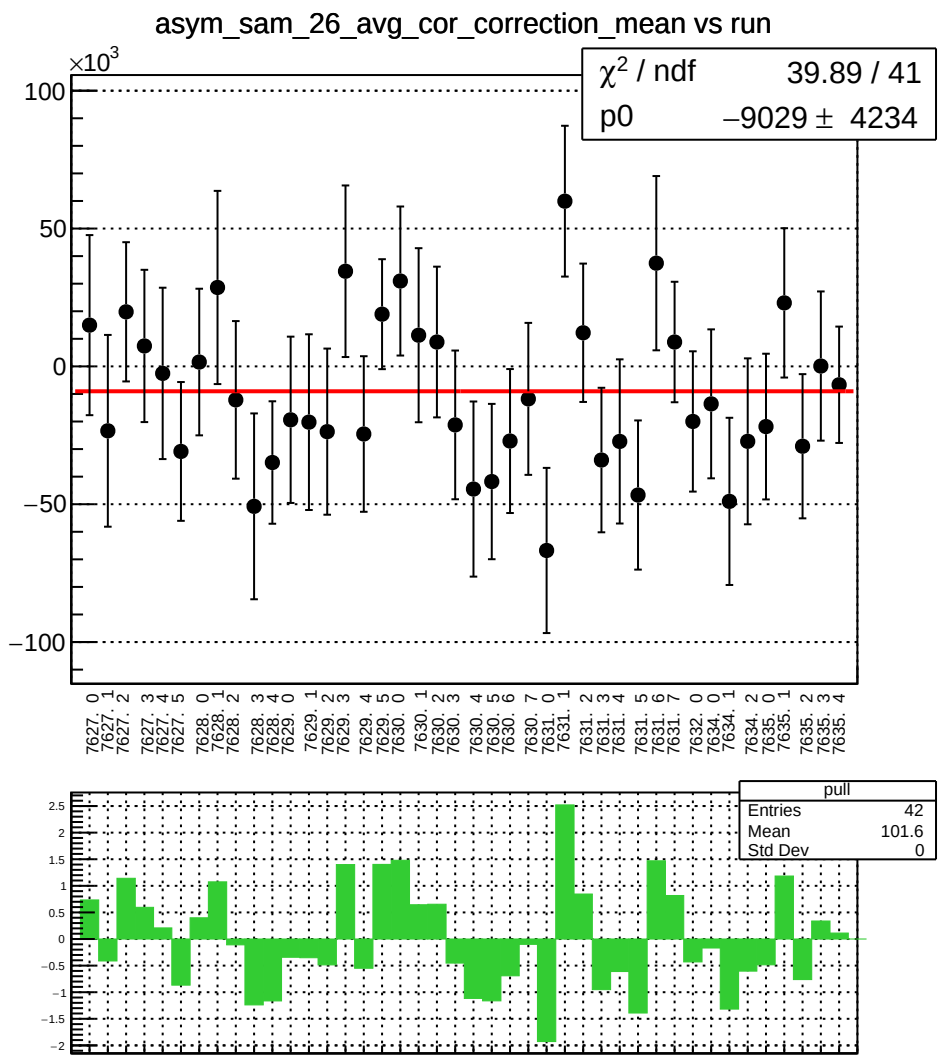

pull1D
Entries 42
Mean −0.01596
Std Dev 0.9744
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

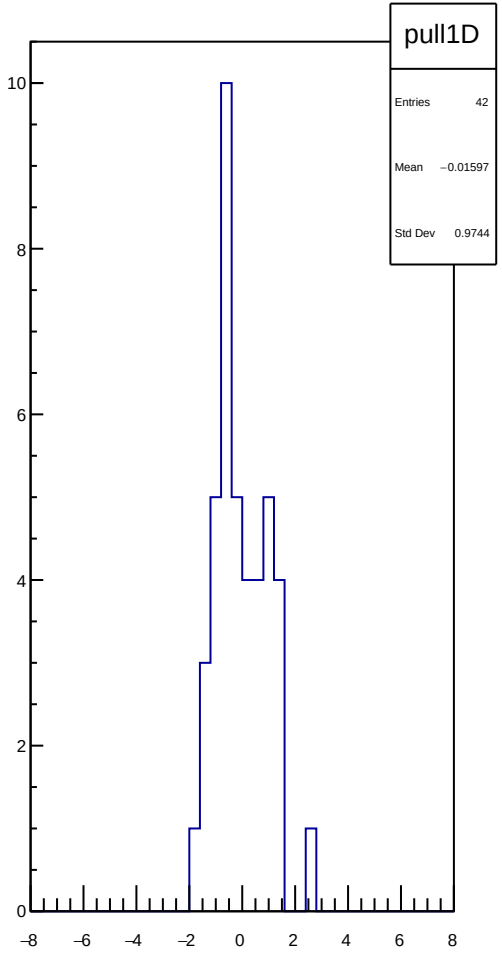

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 7414 / 41
p0 2712 ± 2.994
3400
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

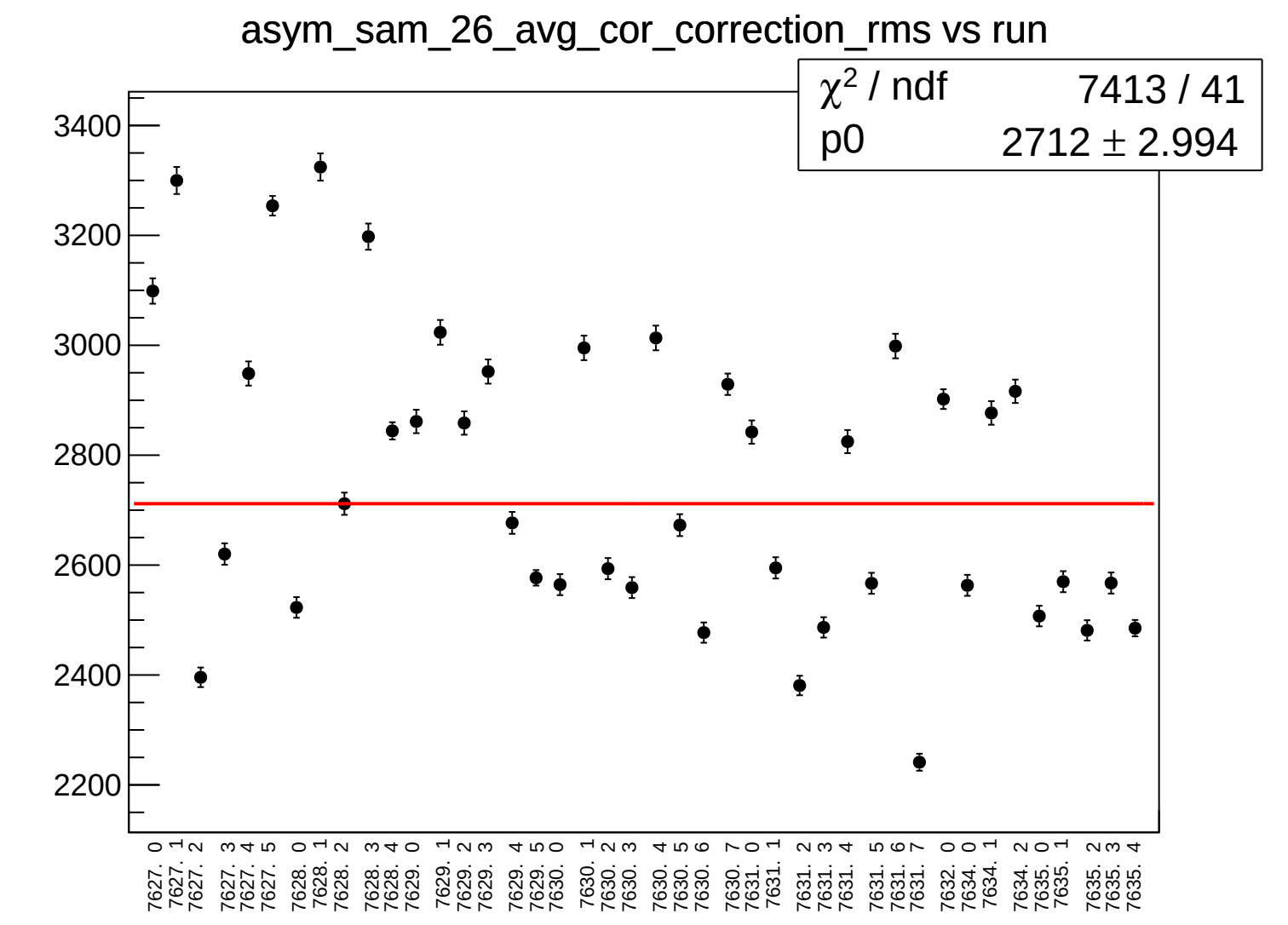

cor_asym_sam_26_avg_mean vs run
χ² / ndf 42.73 / 41
p0 247.7 ± 1375
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.02312
Std Dev 1.008
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.198e+04 / 41
p0 878.2 ± 0.9724
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_26_avg_cor_correction_mean vs run
×10^3
χ² / ndf 39.89 / 41
p0 −9029 ± 4234
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 101.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.01597
Std Dev 0.9744
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 7413 / 41
p0 2712 ± 2.994
3400
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
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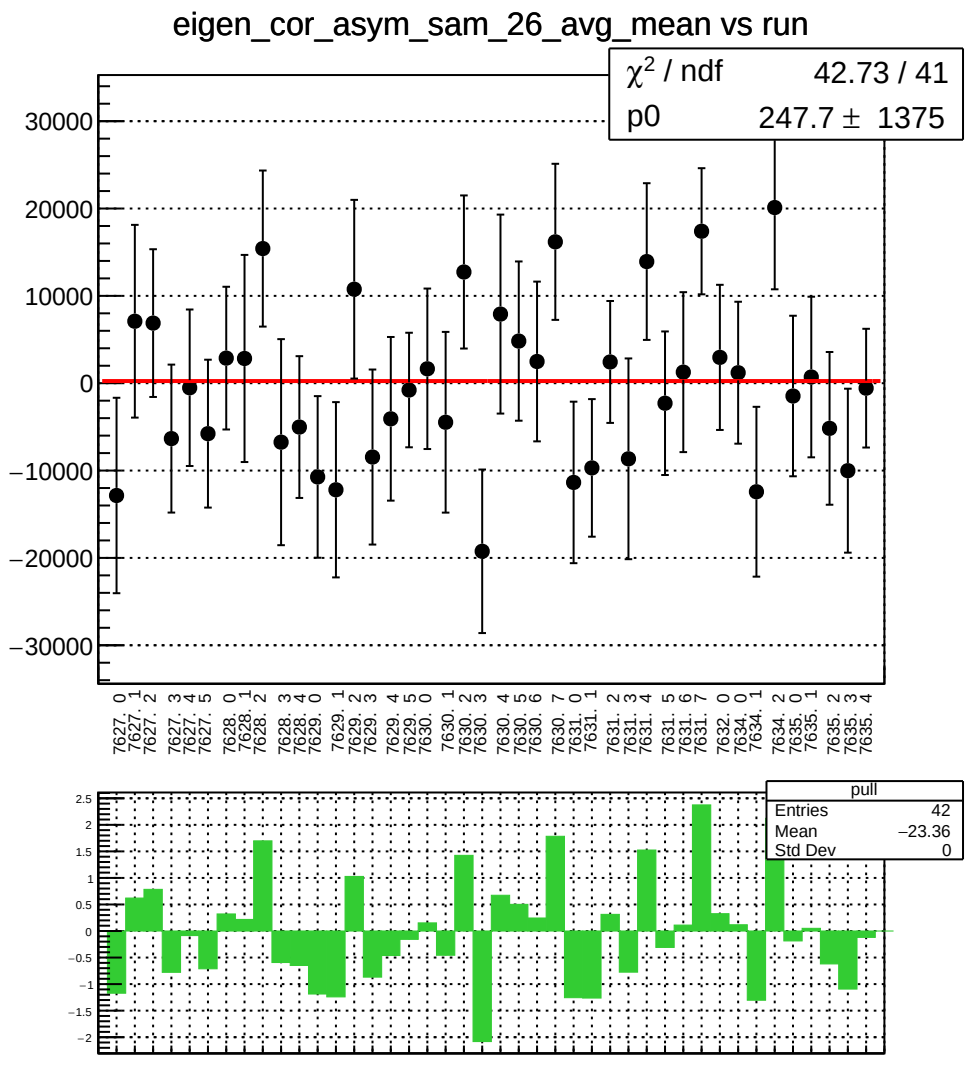
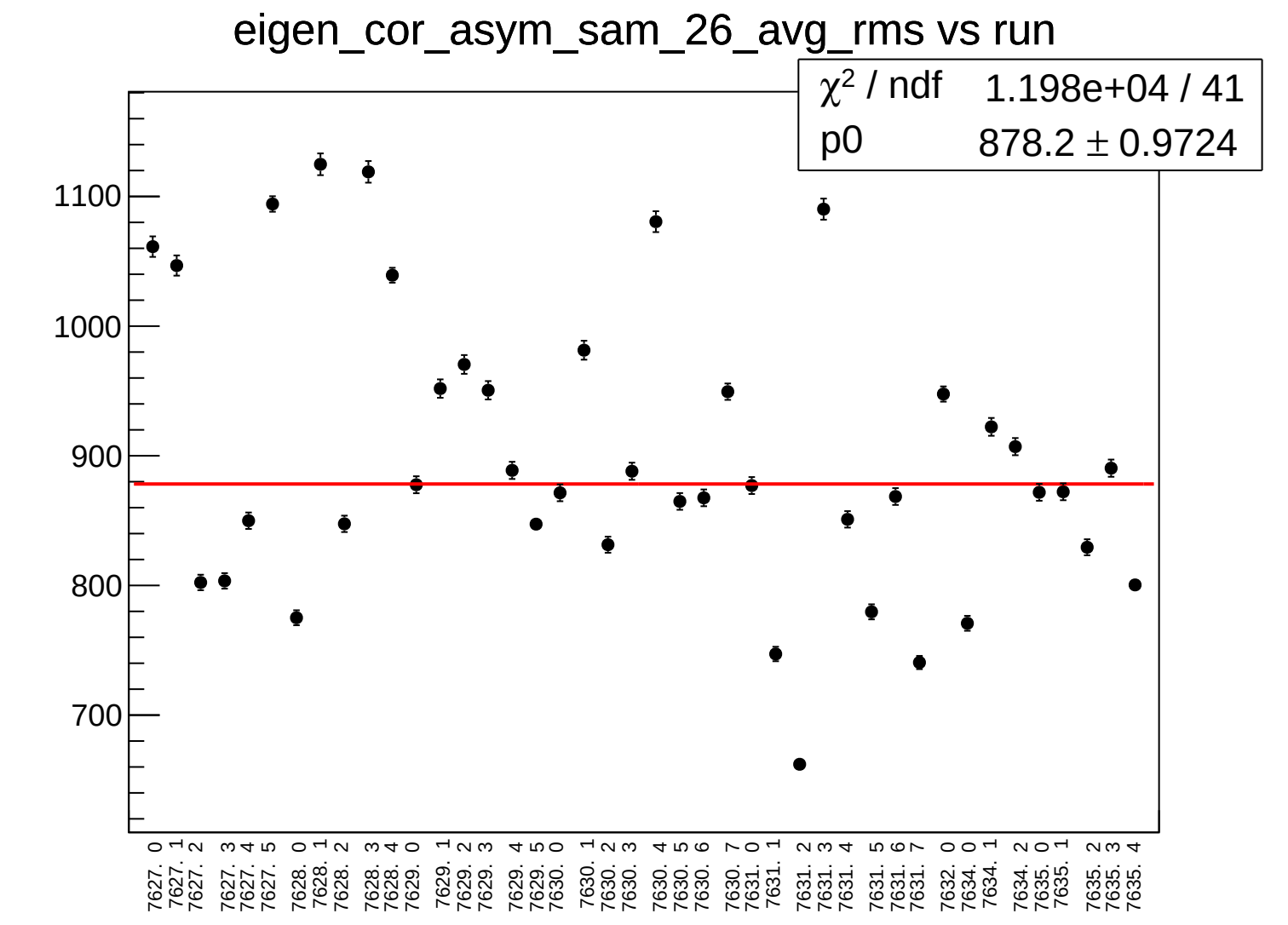
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 42.73 / 41
p0 247.7 ± 1375
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02312
Std Dev 1.008
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.198e+04 / 41
p0 878.2 ± 0.9724
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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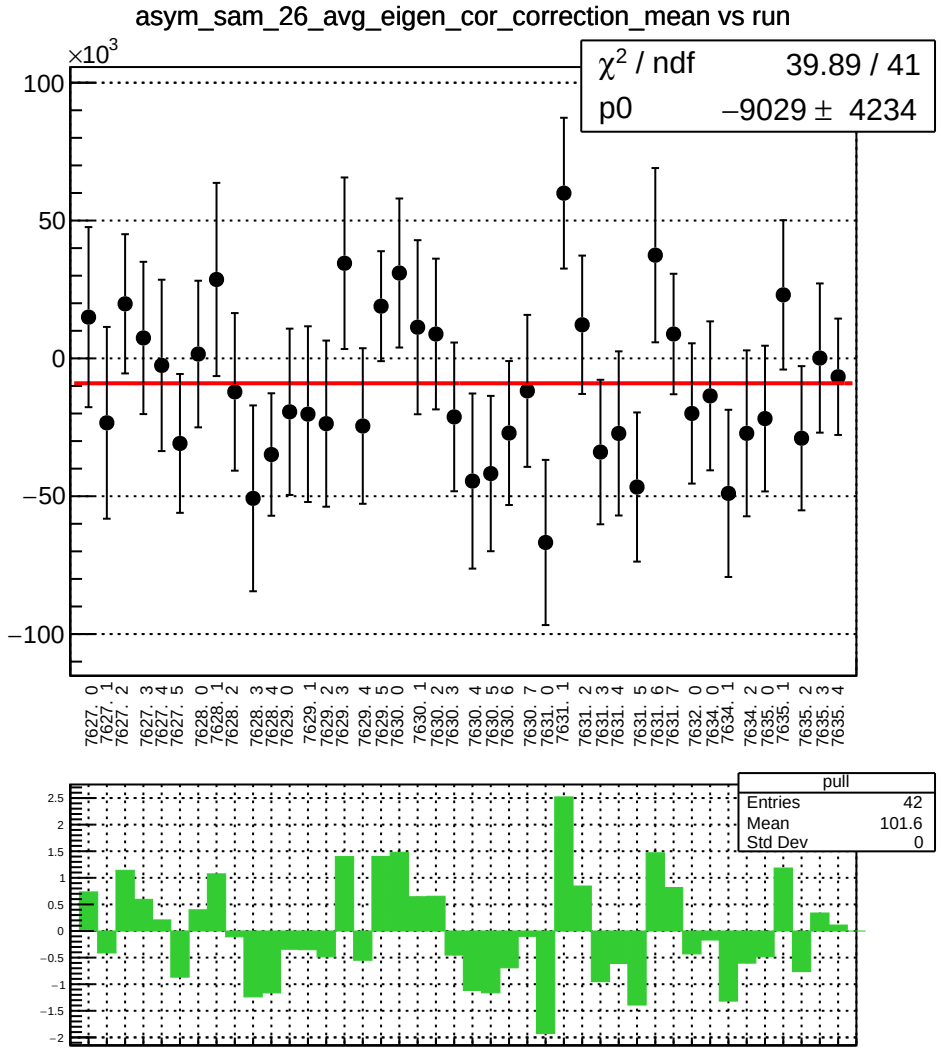
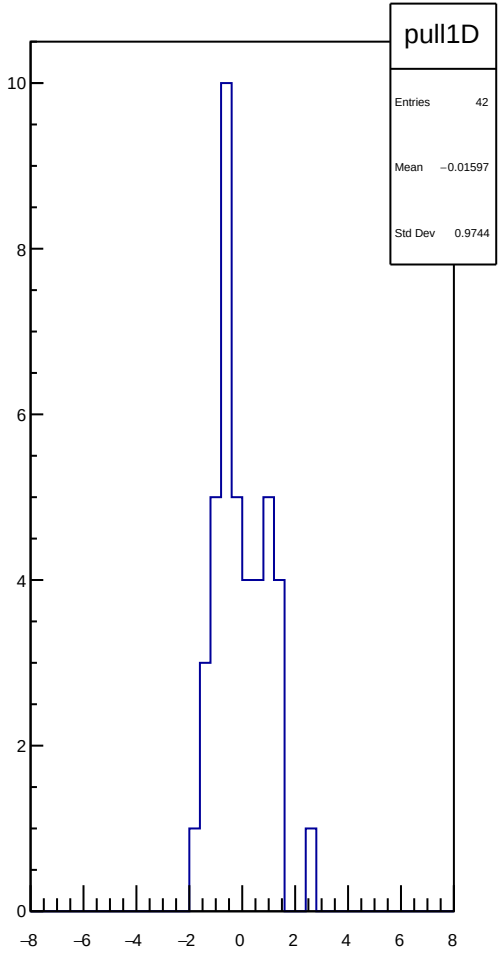
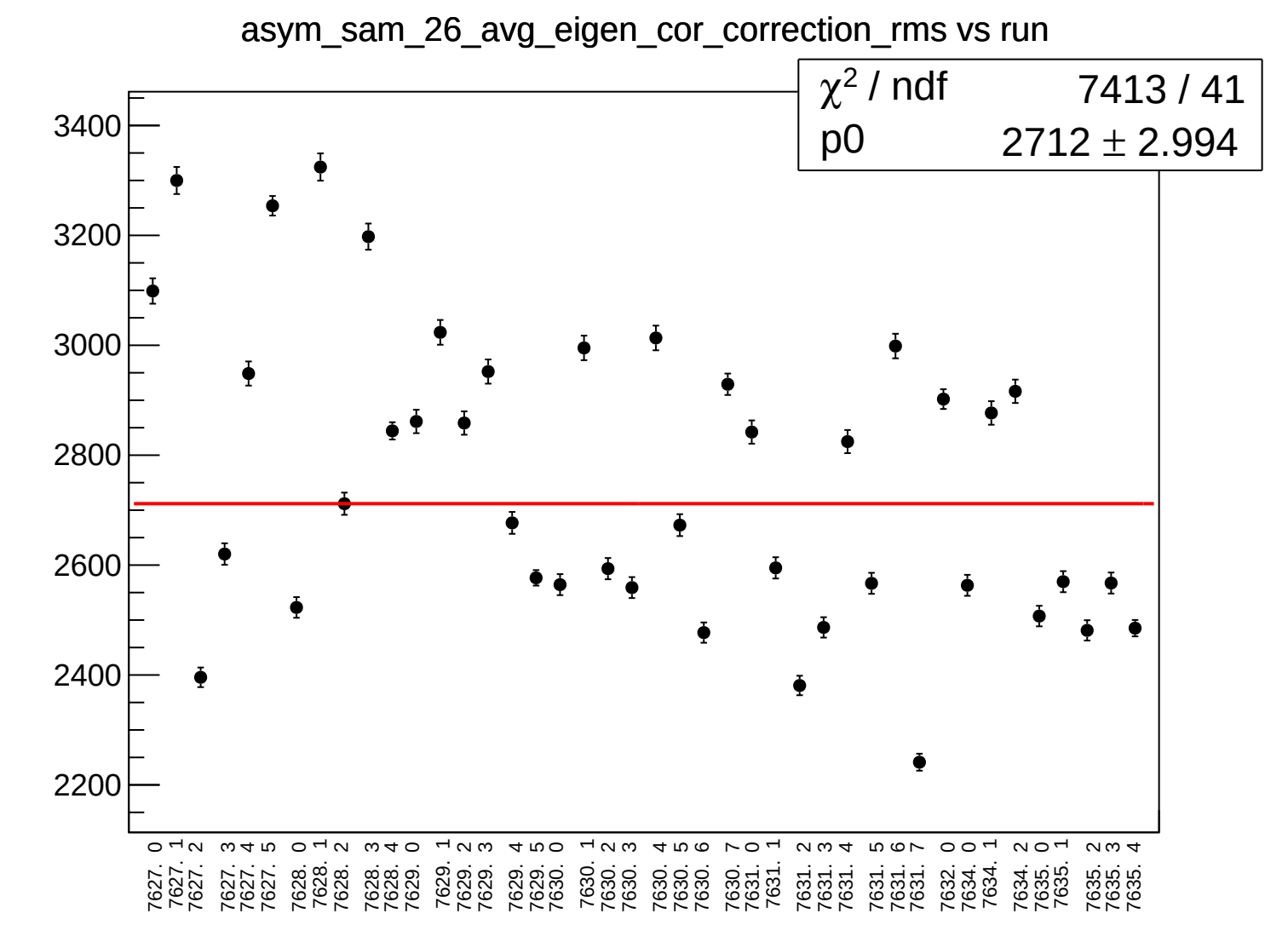
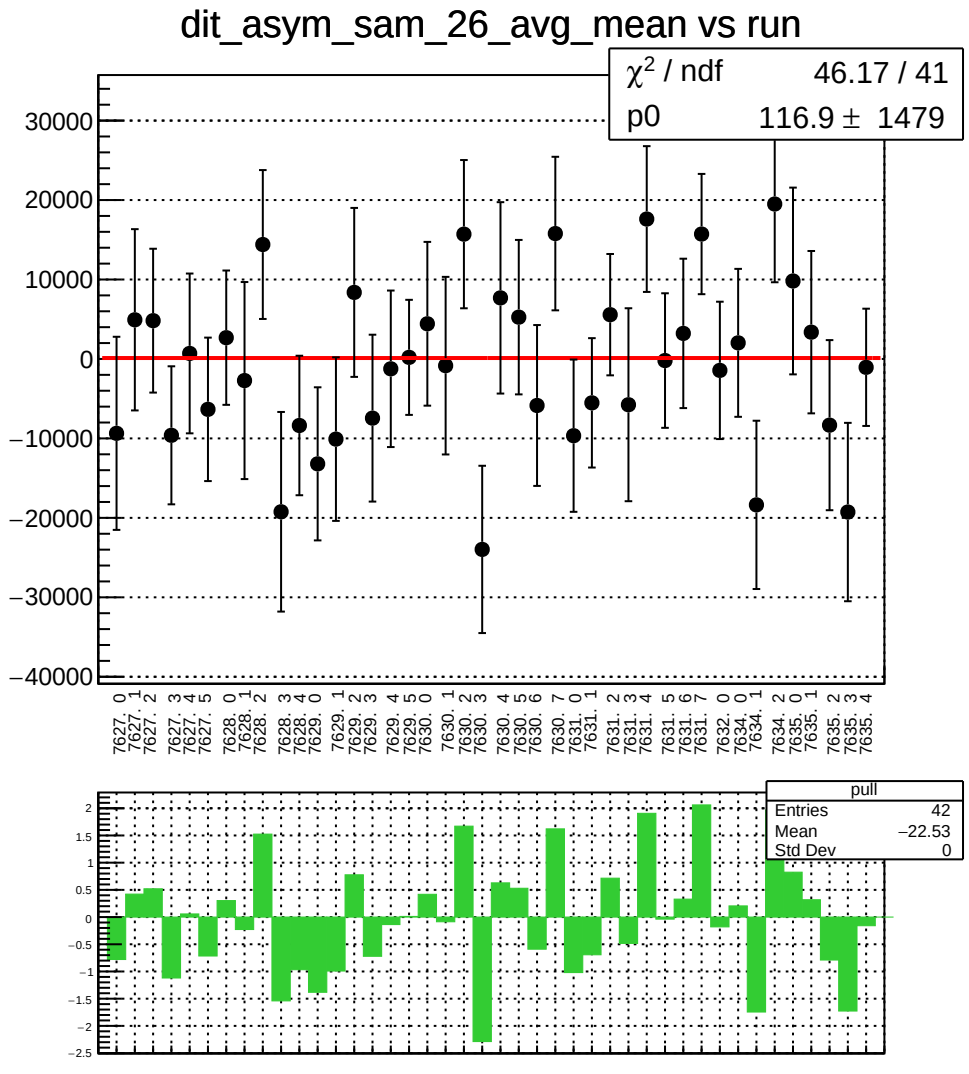
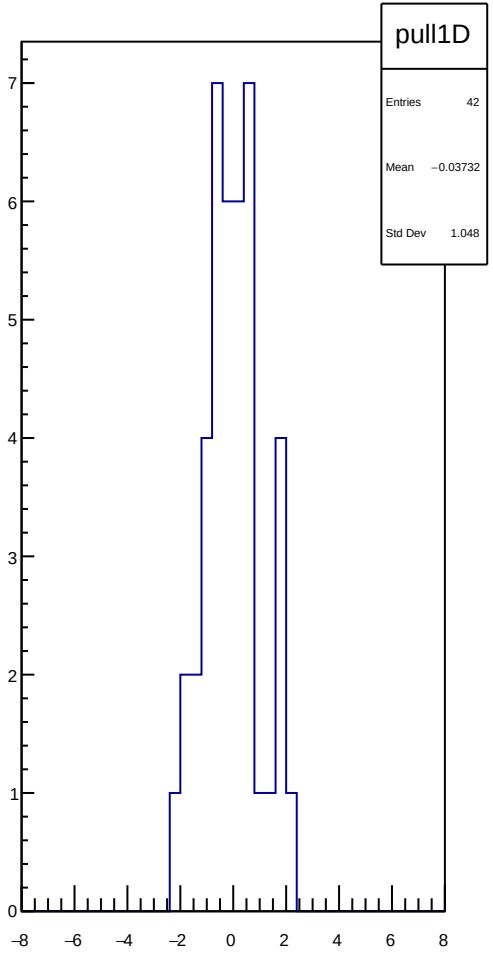
7635. 3
7635. 4

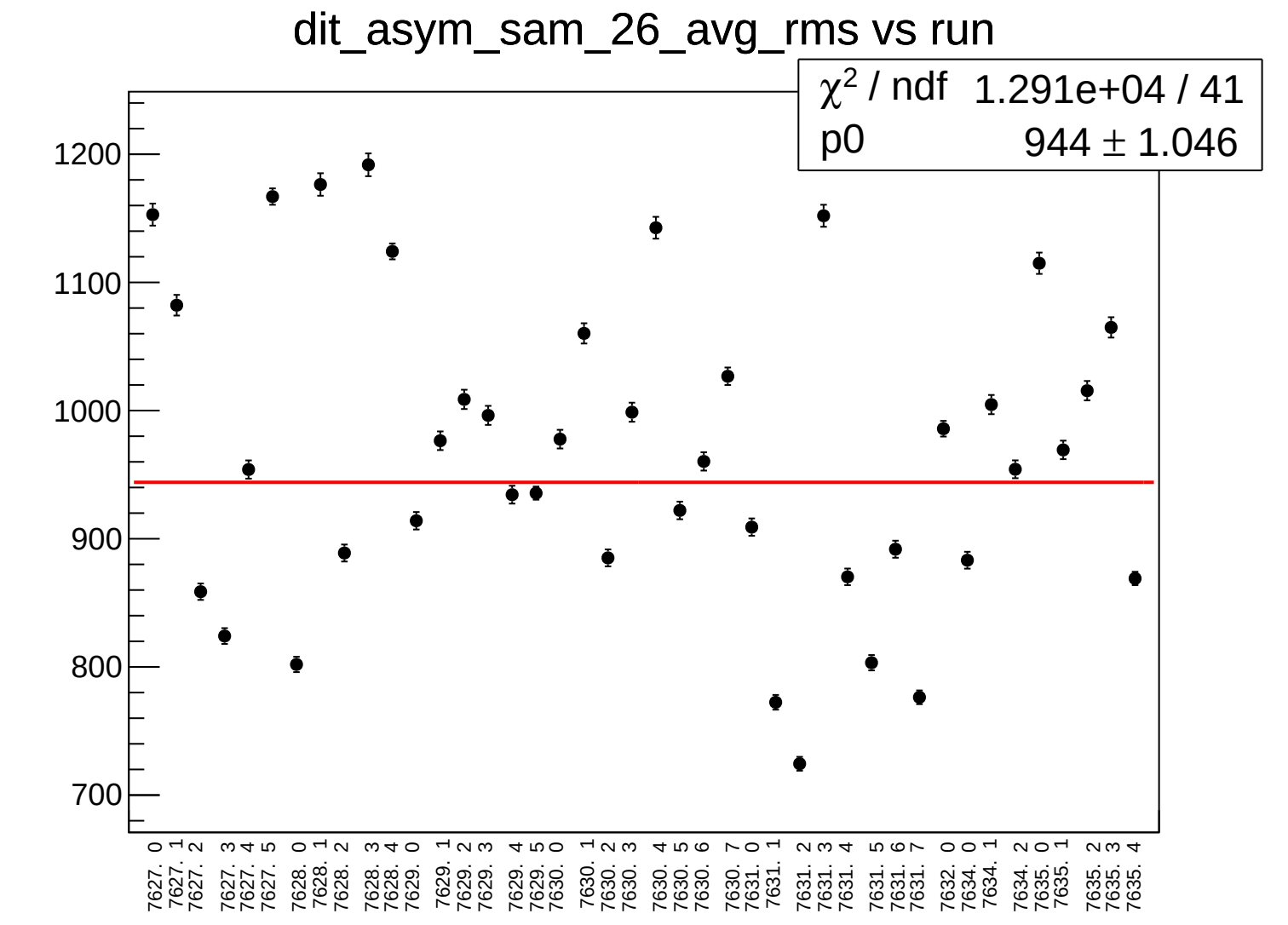

asym_sam_26_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.89 / 41
p0 −9029 ± 4234
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 101.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

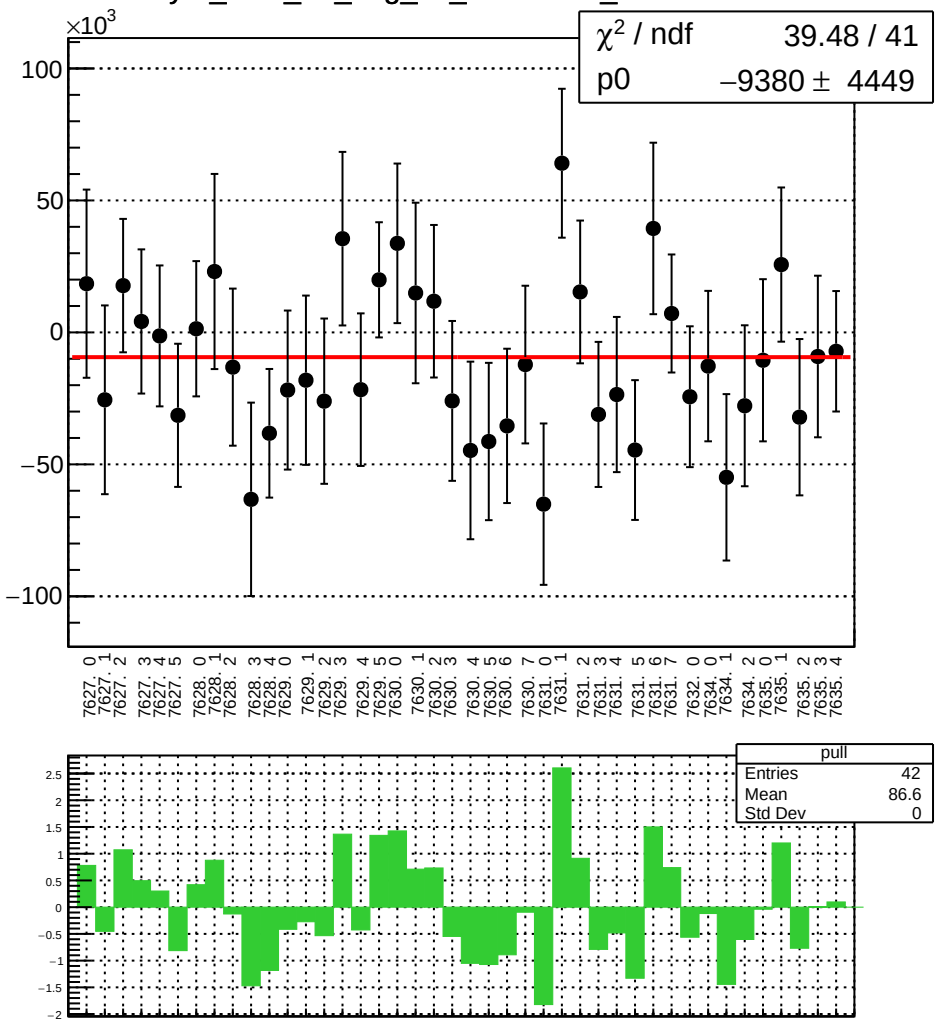

pull1D
Entries 42
Mean −0.01597
Std Dev 0.9744
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

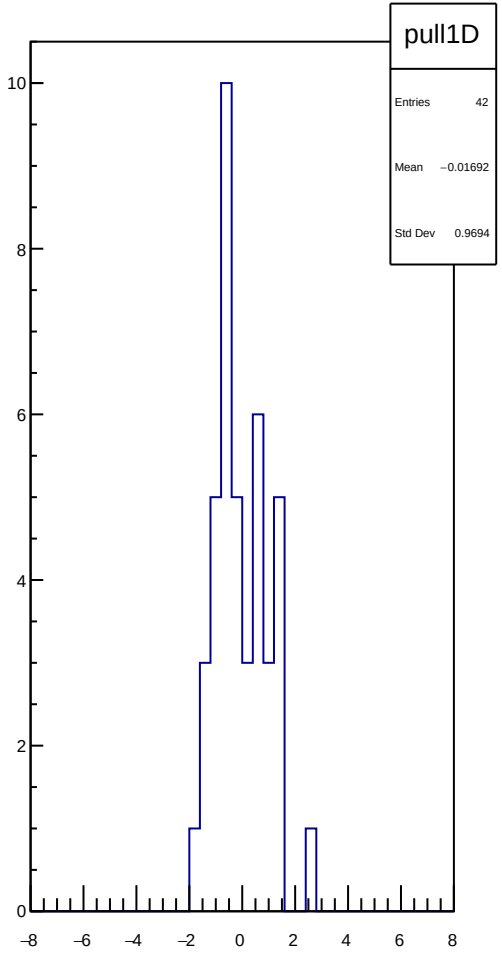

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 7413 / 41
p0 2712 ± 2.994
3400
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

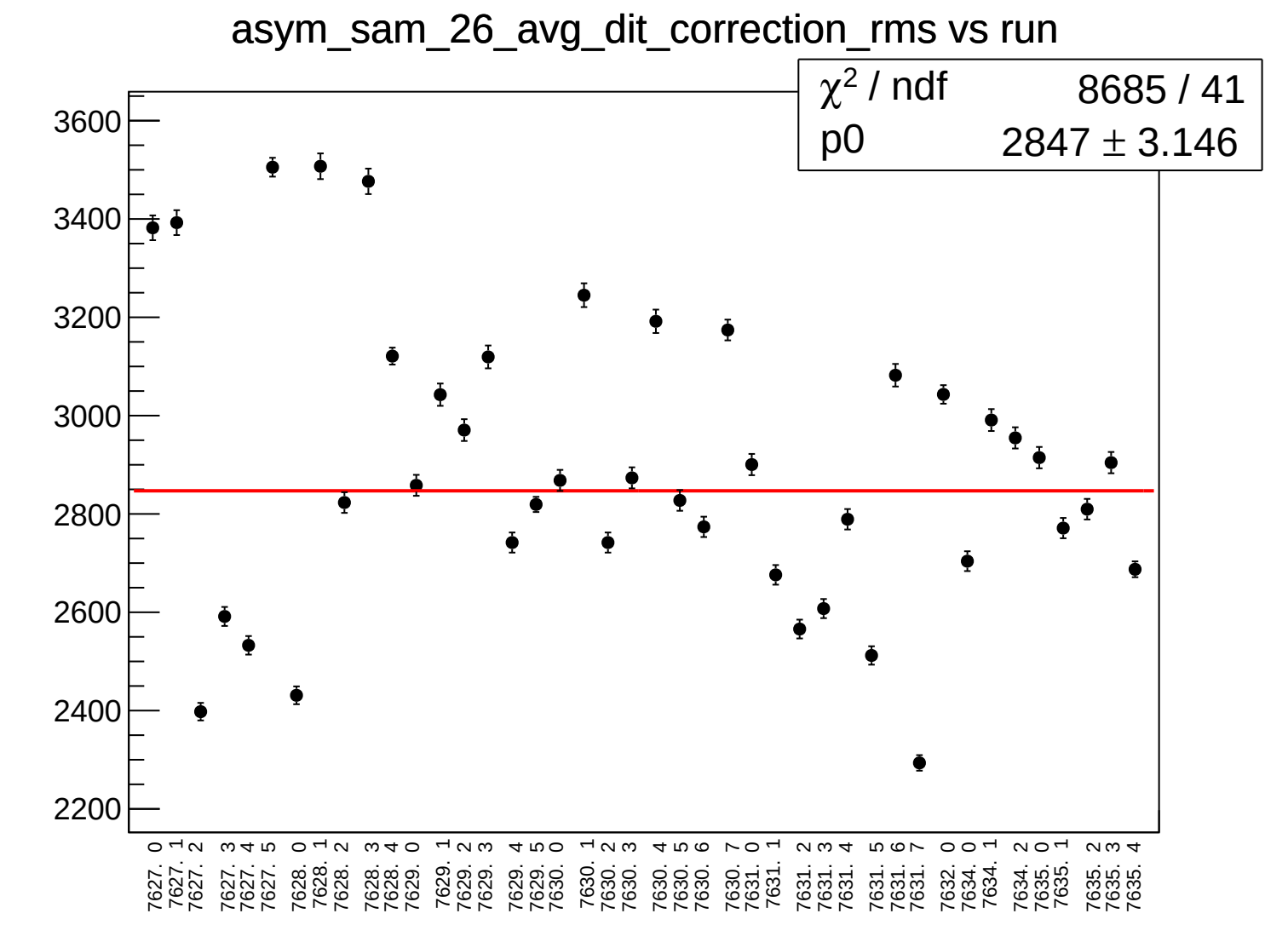

dit_asym_sam_26_avg_mean vs run
χ² / ndf 46.17 / 41
p0 116.9 ± 1479
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

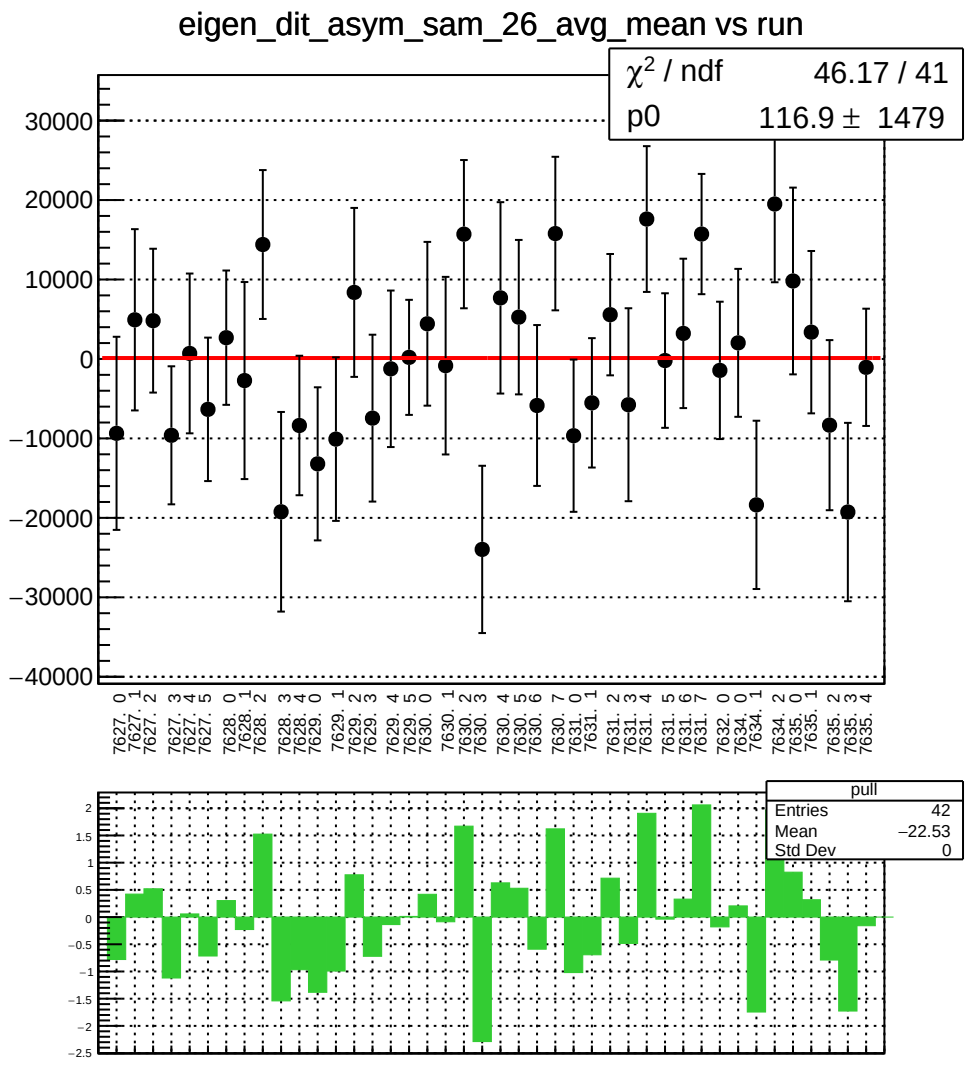

pull1D
Entries 42
Mean −0.03732
Std Dev 1.048
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

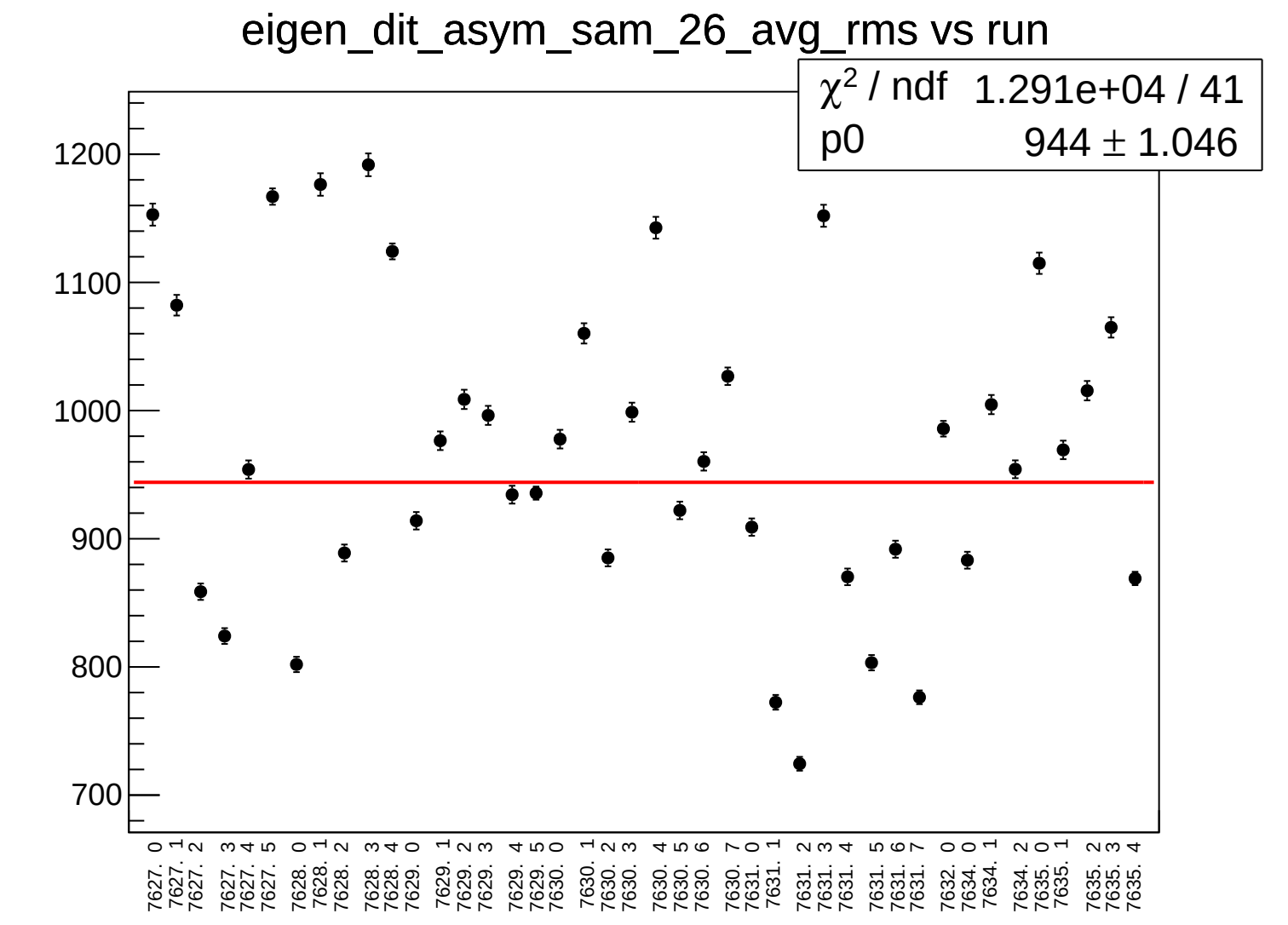

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.291e+04 / 41
p0 944 ± 1.046
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

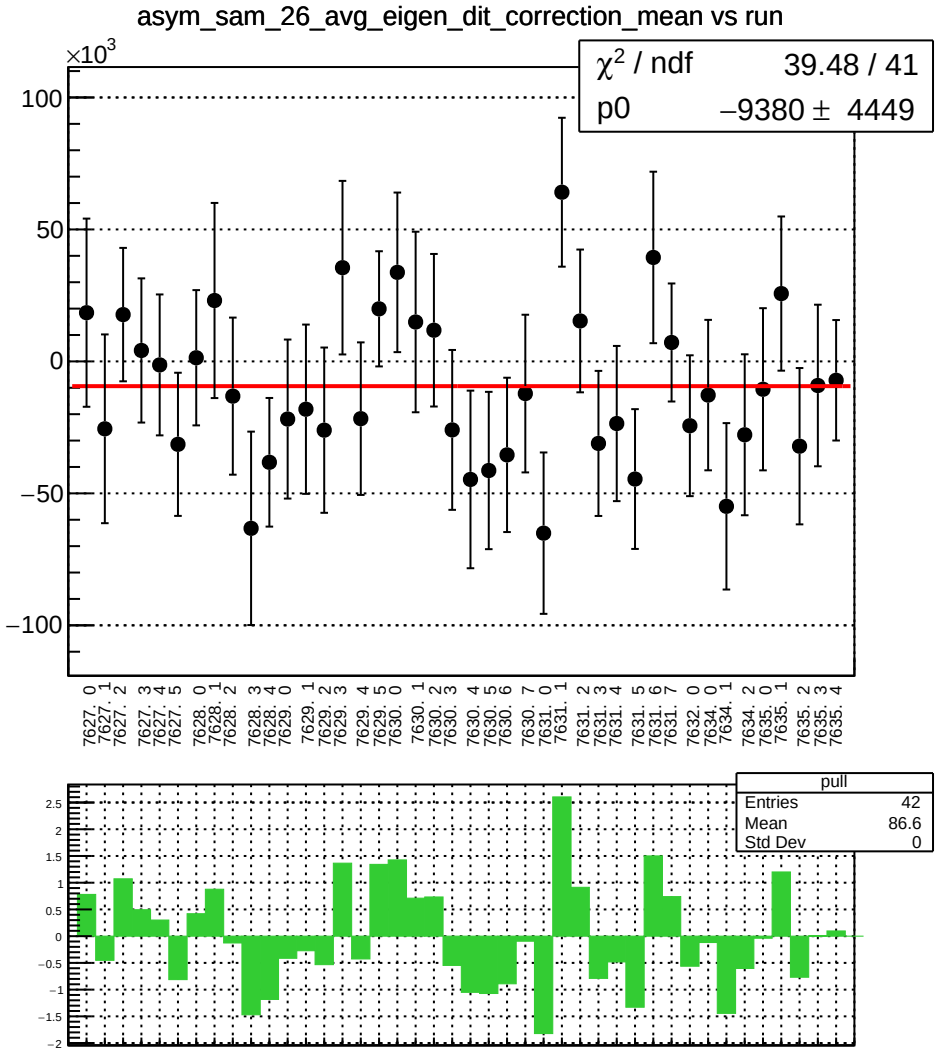

asym_sam_26_avg_dit_correction_mean vs run
×10^3
χ² / ndf 39.48 / 41
p0 −9380 ± 4449
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 86.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

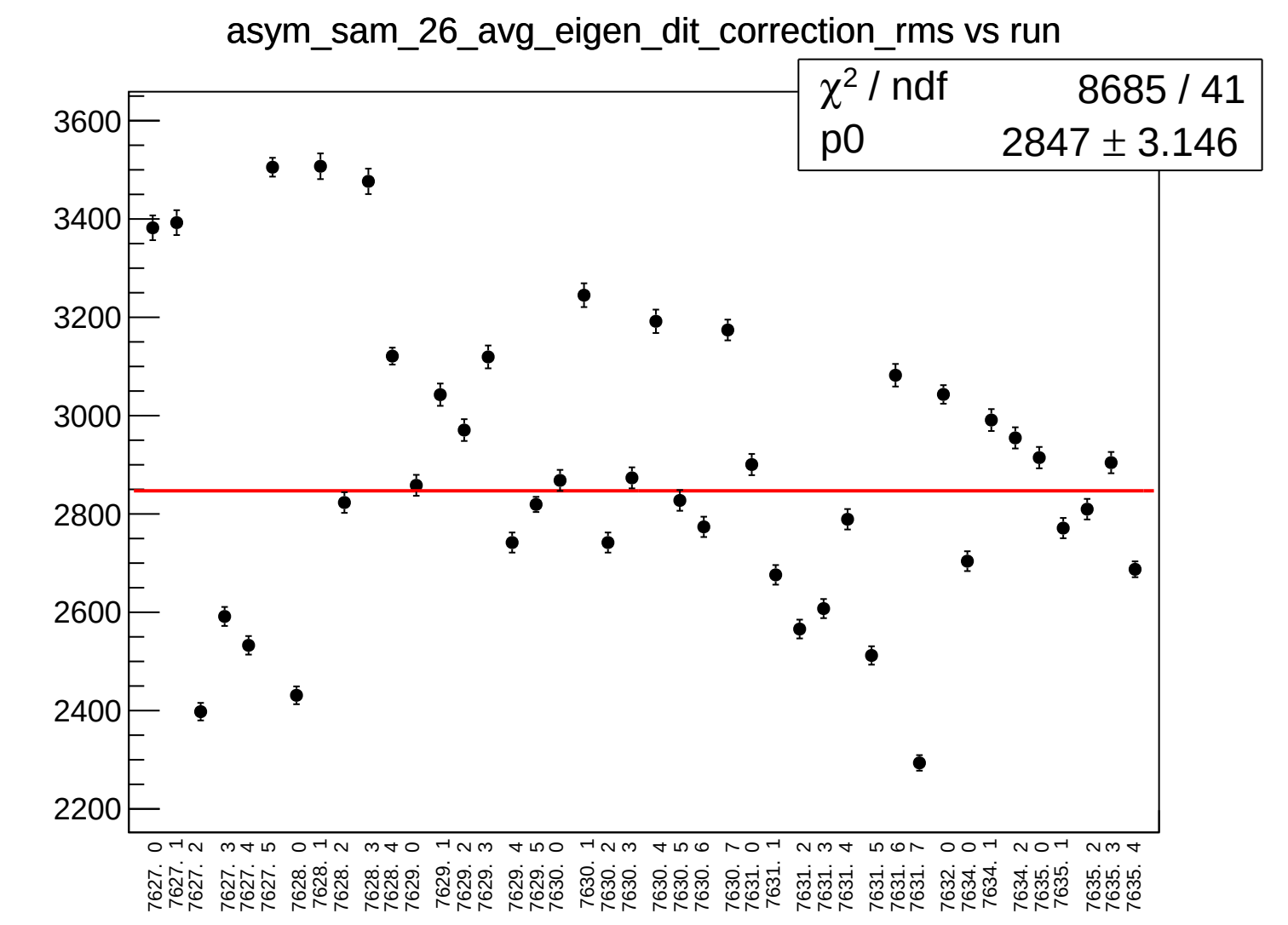

pull1D
Entries 42
Mean −0.01692
Std Dev 0.9694
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

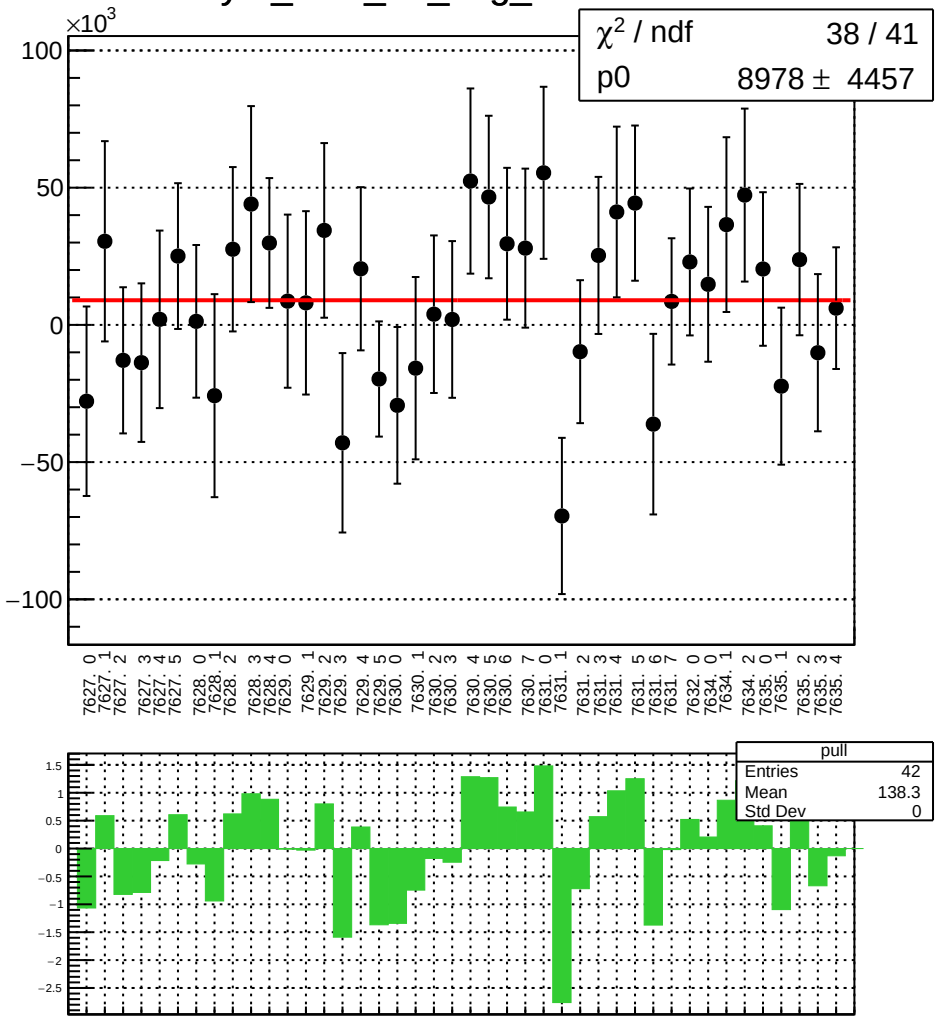

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 8685 / 41
p0 2847 ± 3.146
3600
3400
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

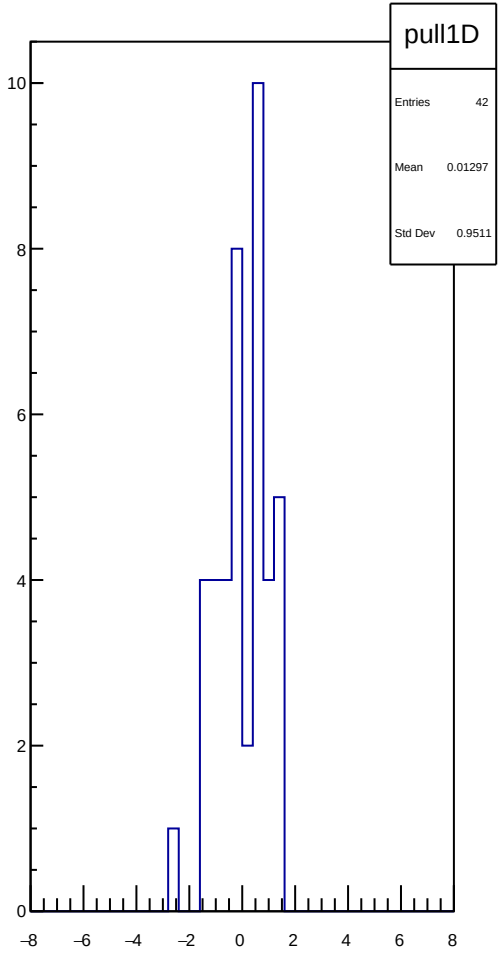

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 46.17 / 41
p0 116.9 ± 1479
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.03732
Std Dev 1.048
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

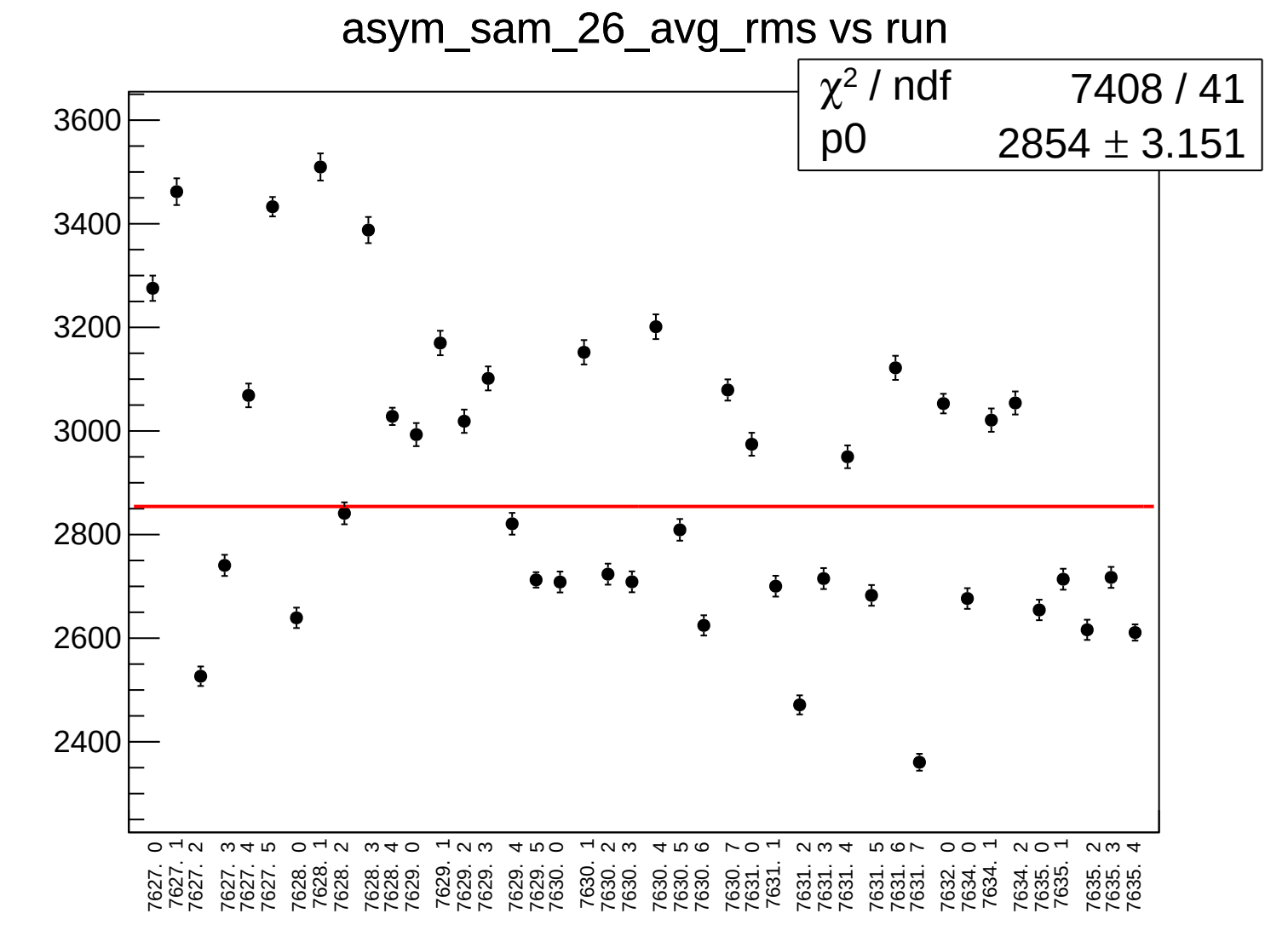

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.291e+04 / 41
p0 944 ± 1.046
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

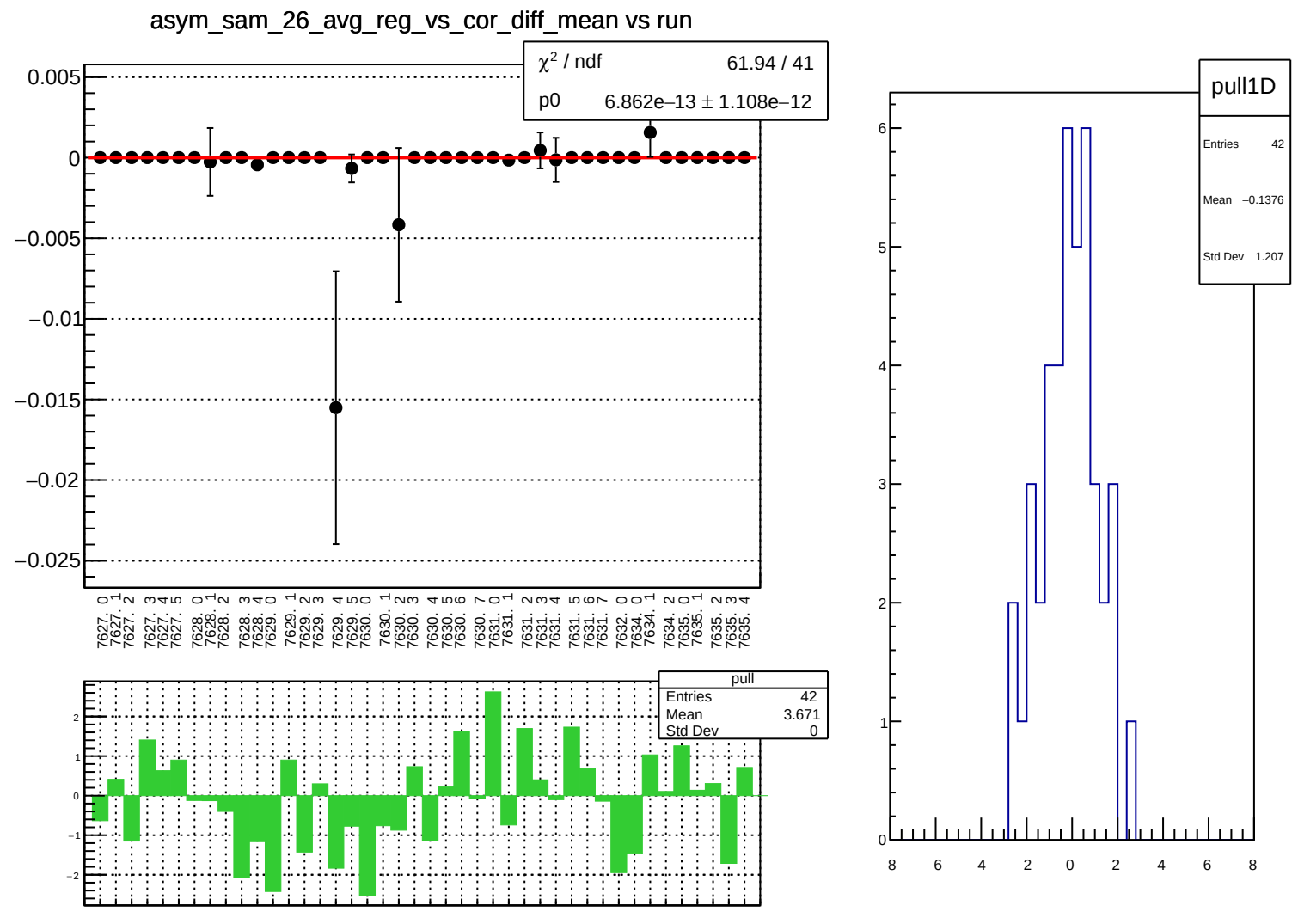

asym_sam_26_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 39.48 / 41
p0 −9380 ± 4449
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 86.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01692
Std Dev 0.9694
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

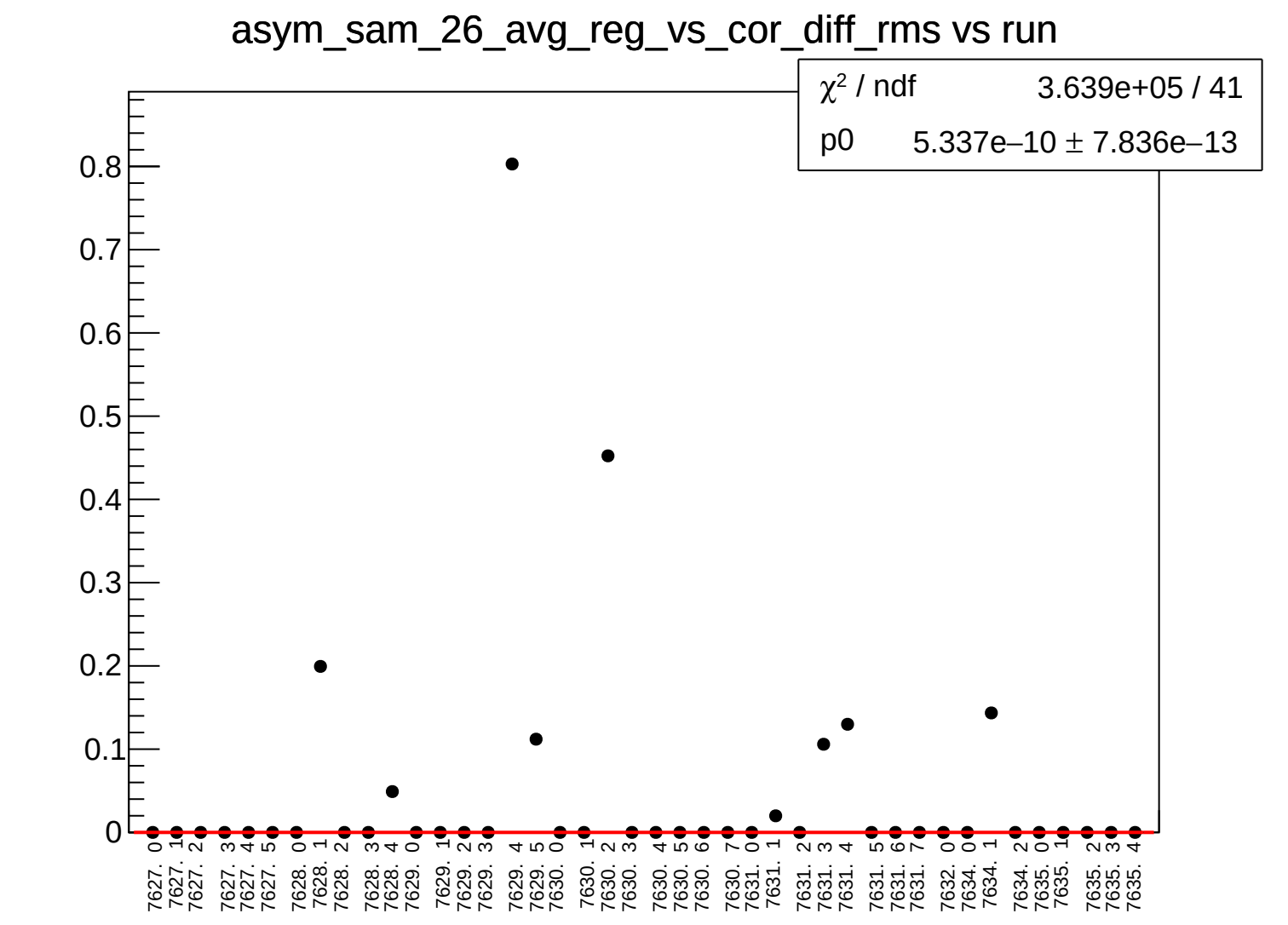

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 8685 / 41
p0 2847 ± 3.146
3600
3400
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

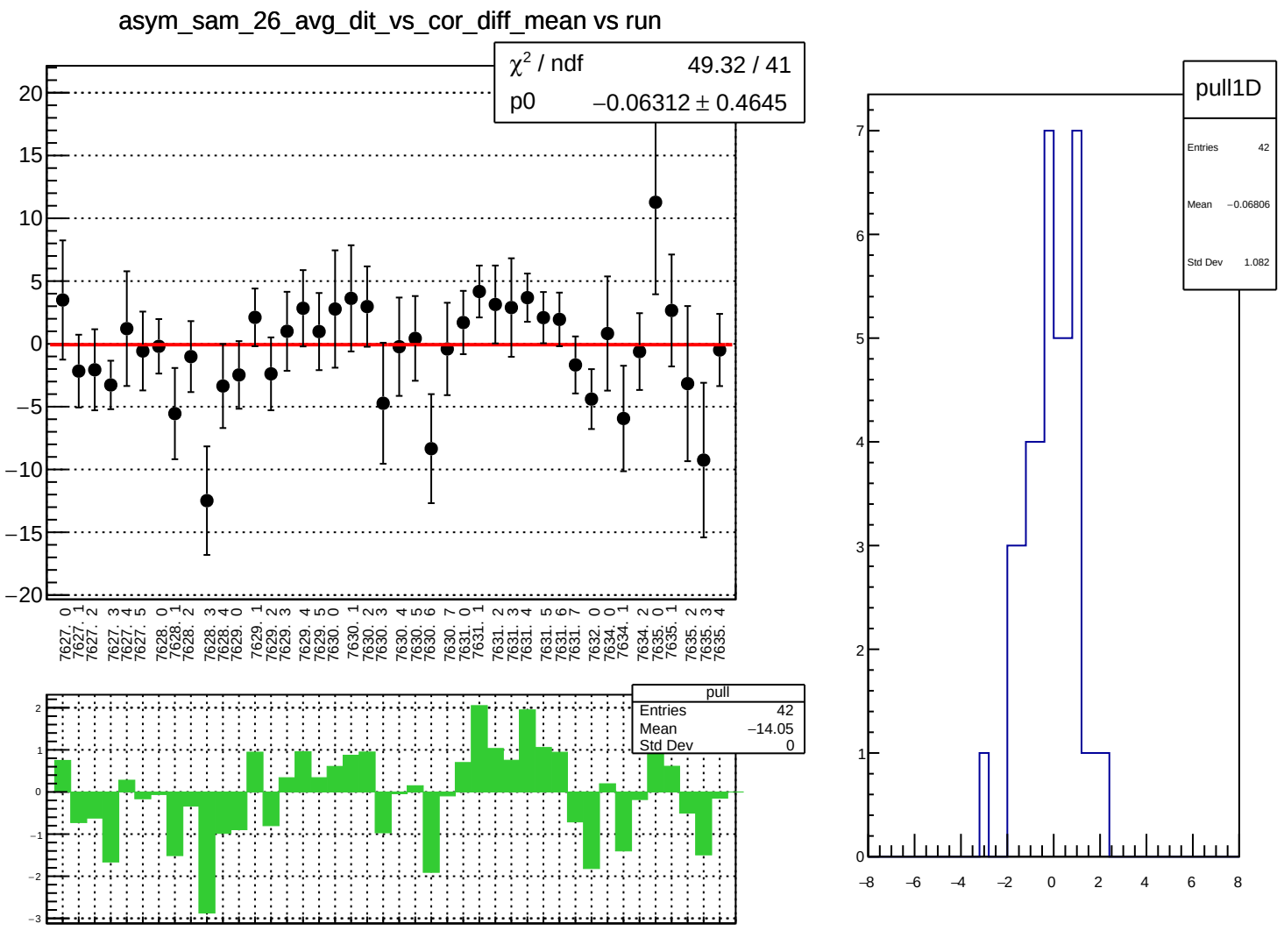

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 38 / 41
p0 8978 ± 4457
100
50
0
−50
−100
pull
Entries 42
Mean 138.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

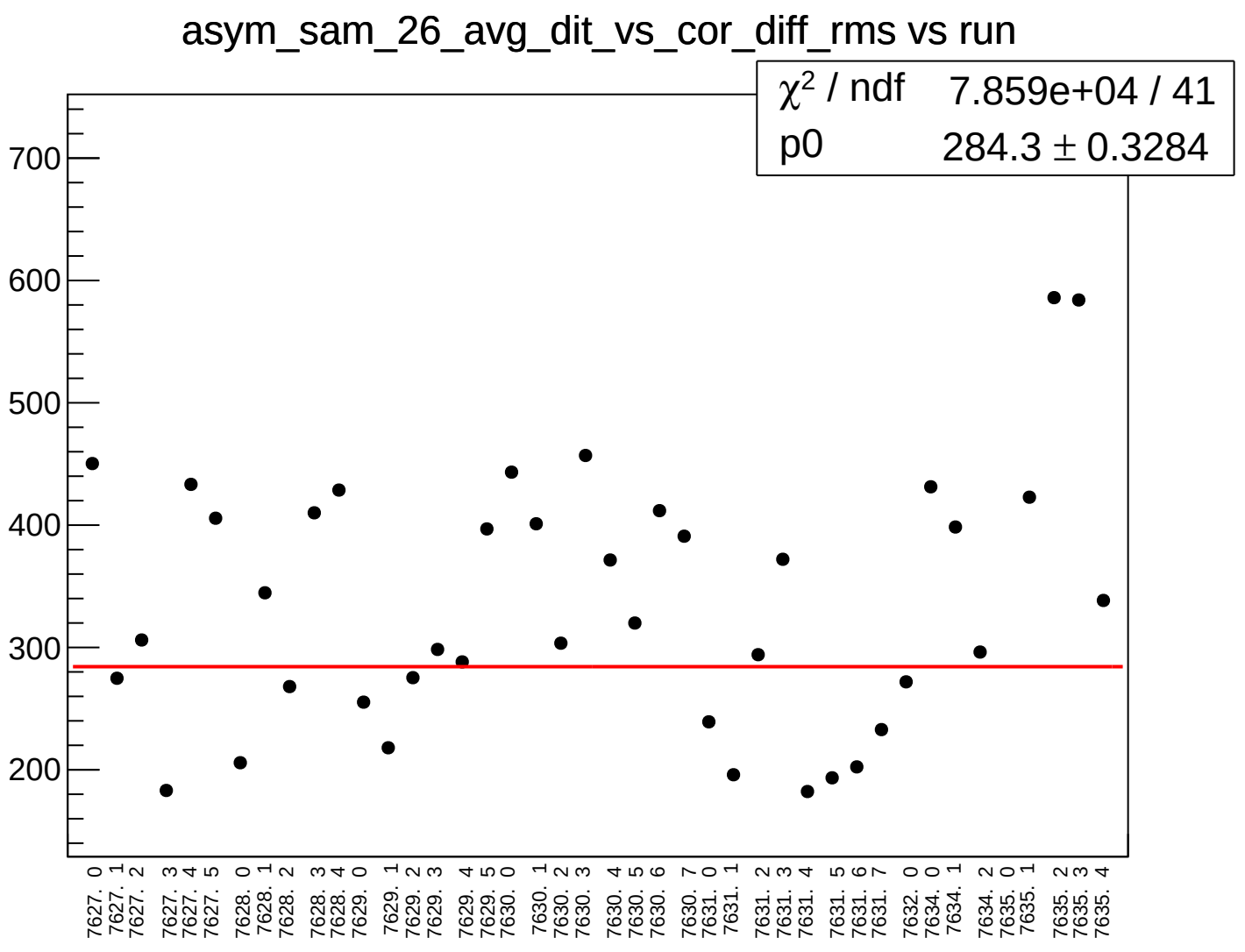

pull1D
Entries 42
Mean 0.01297
Std Dev 0.9511
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

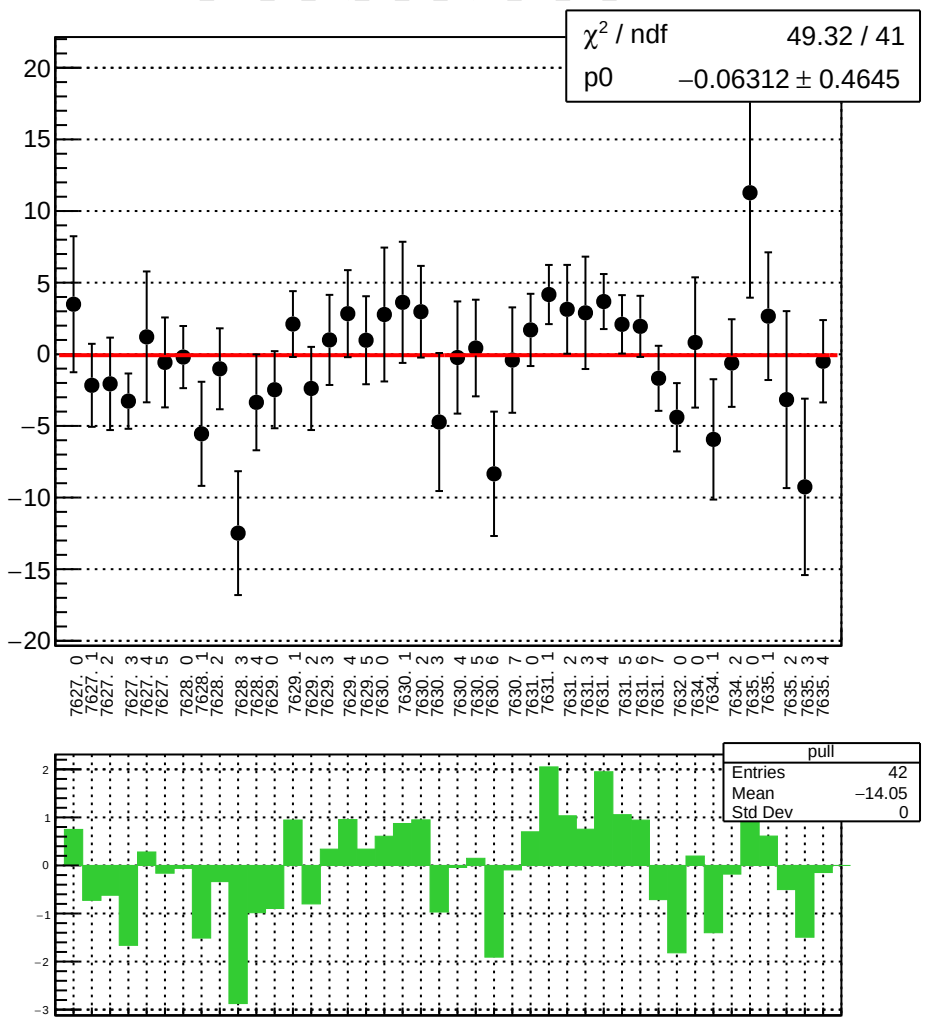

asym_sam_26_avg_rms vs run
χ² / ndf 7408 / 41
p0 2854 ± 3.151
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

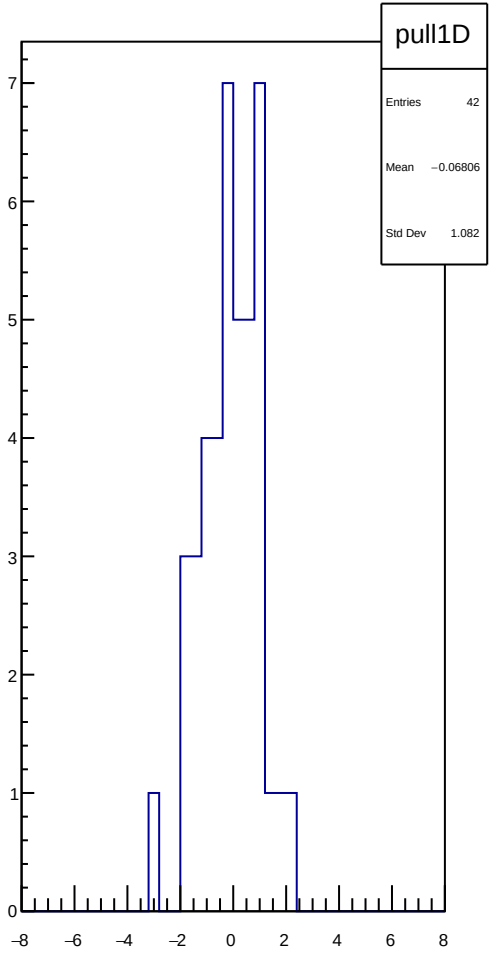

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.94 / 41
p0 6.862e−13 ± 1.108e−12
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.671
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.1376
Std Dev 1.207
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

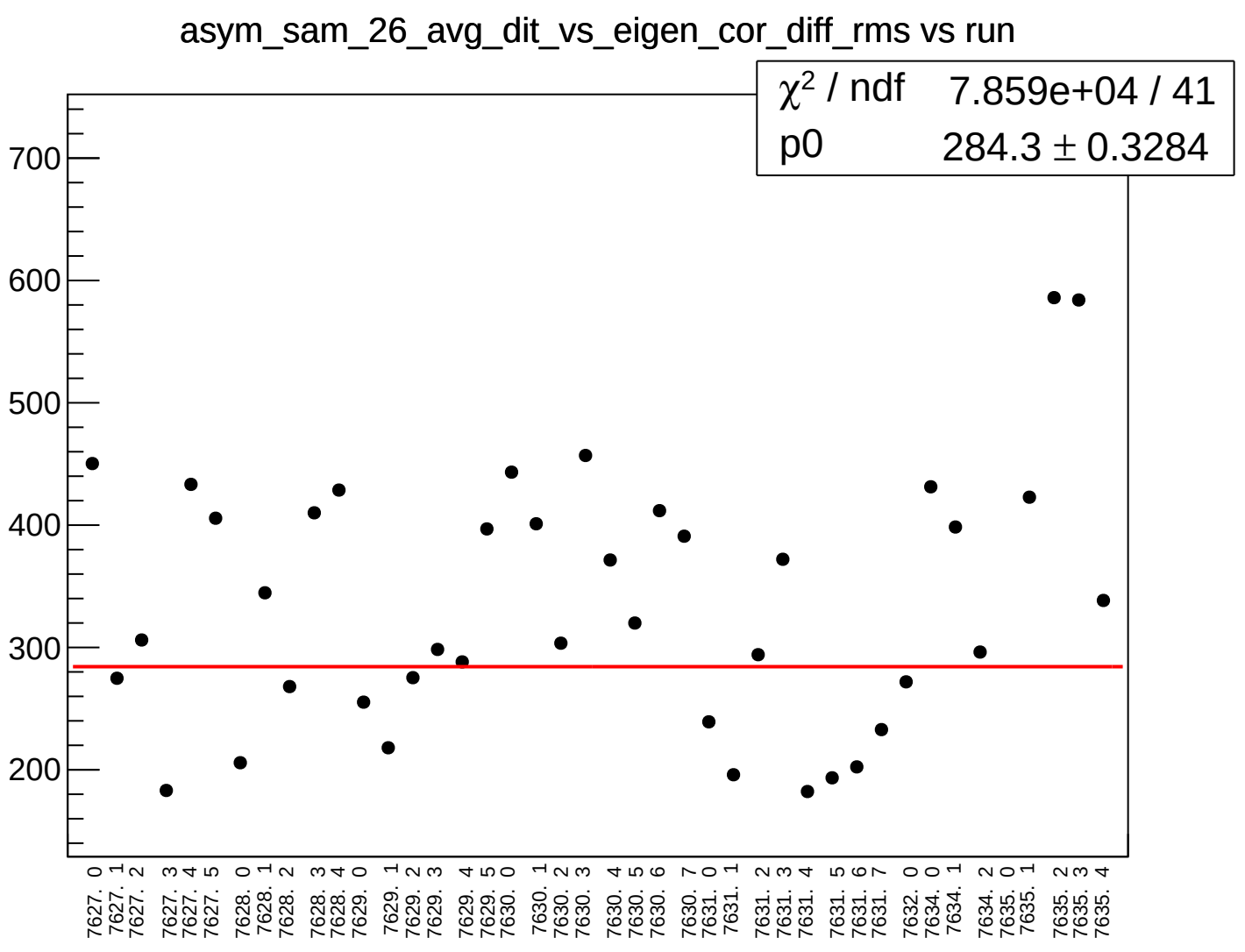

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.639e+05 / 41
p0 5.337e−10 ± 7.836e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

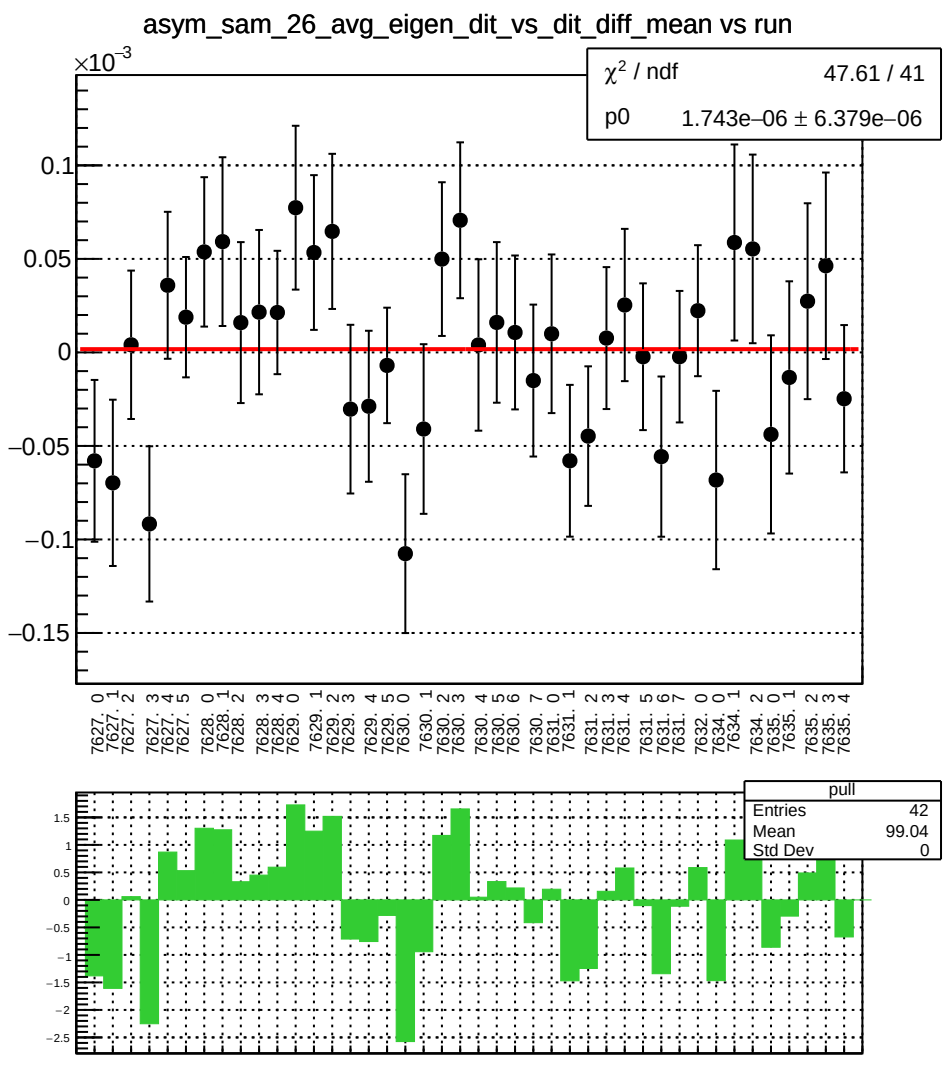

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.32 / 41
p0 −0.06312 ± 0.4645
pull
Entries 42
Mean −14.05
Std Dev 0
pull1D
Entries 42
Mean −0.06806
Std Dev 1.082

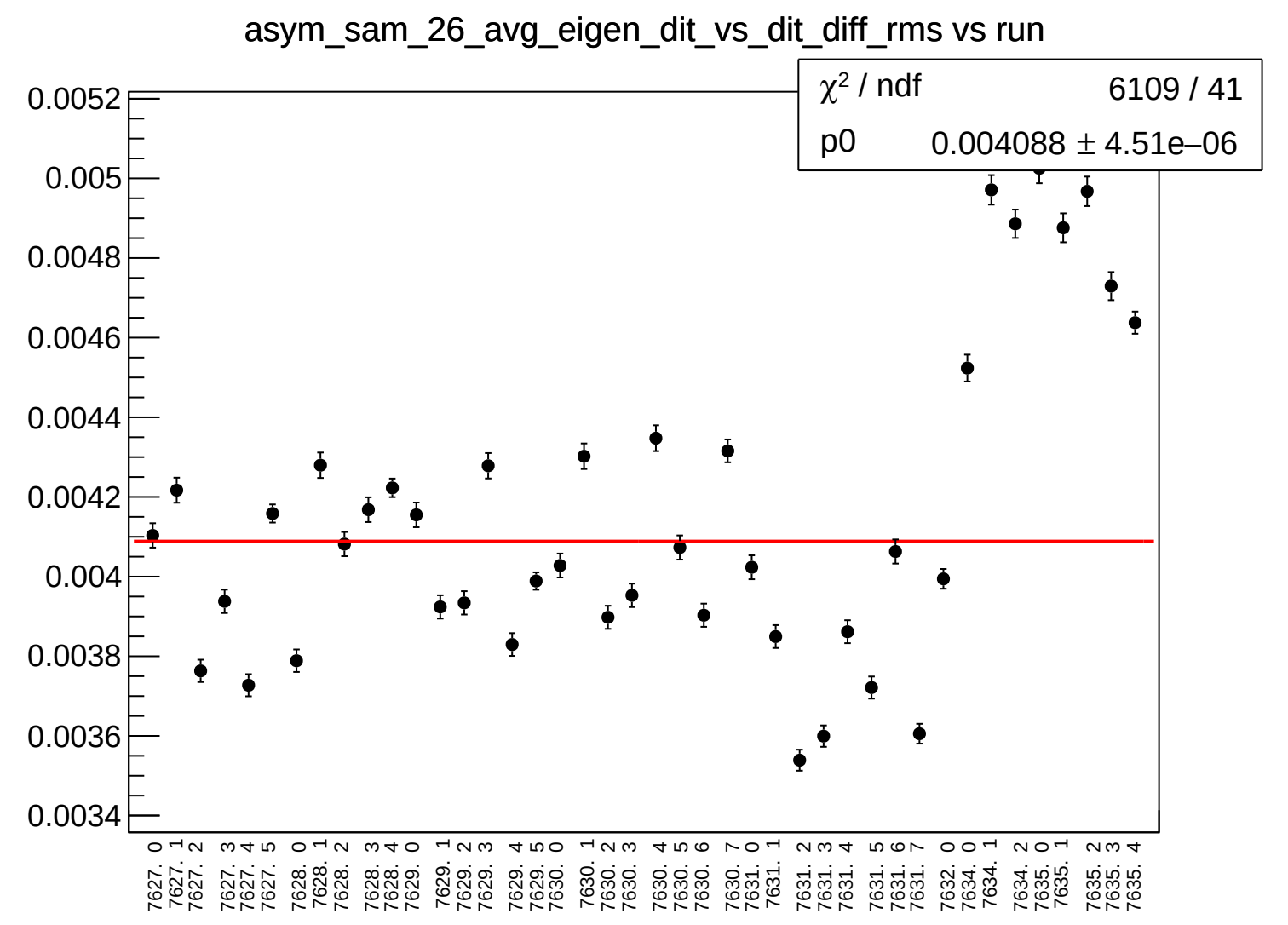

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.859e+04 / 41
p0 284.3 ± 0.3284
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

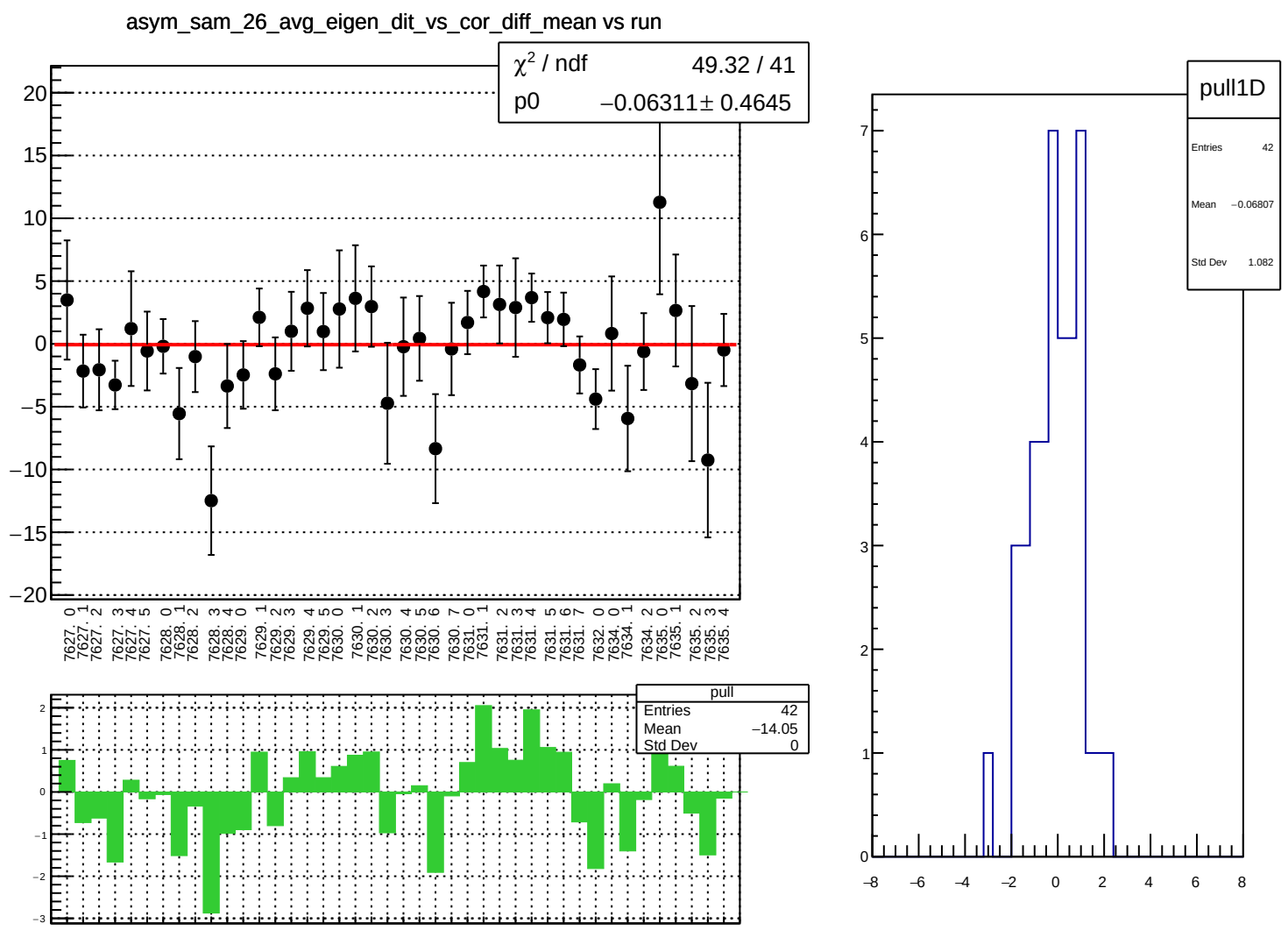

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.32 / 41
p0 −0.06312 ± 0.4645
pull
Entries 42
Mean −14.05
Std Dev 0

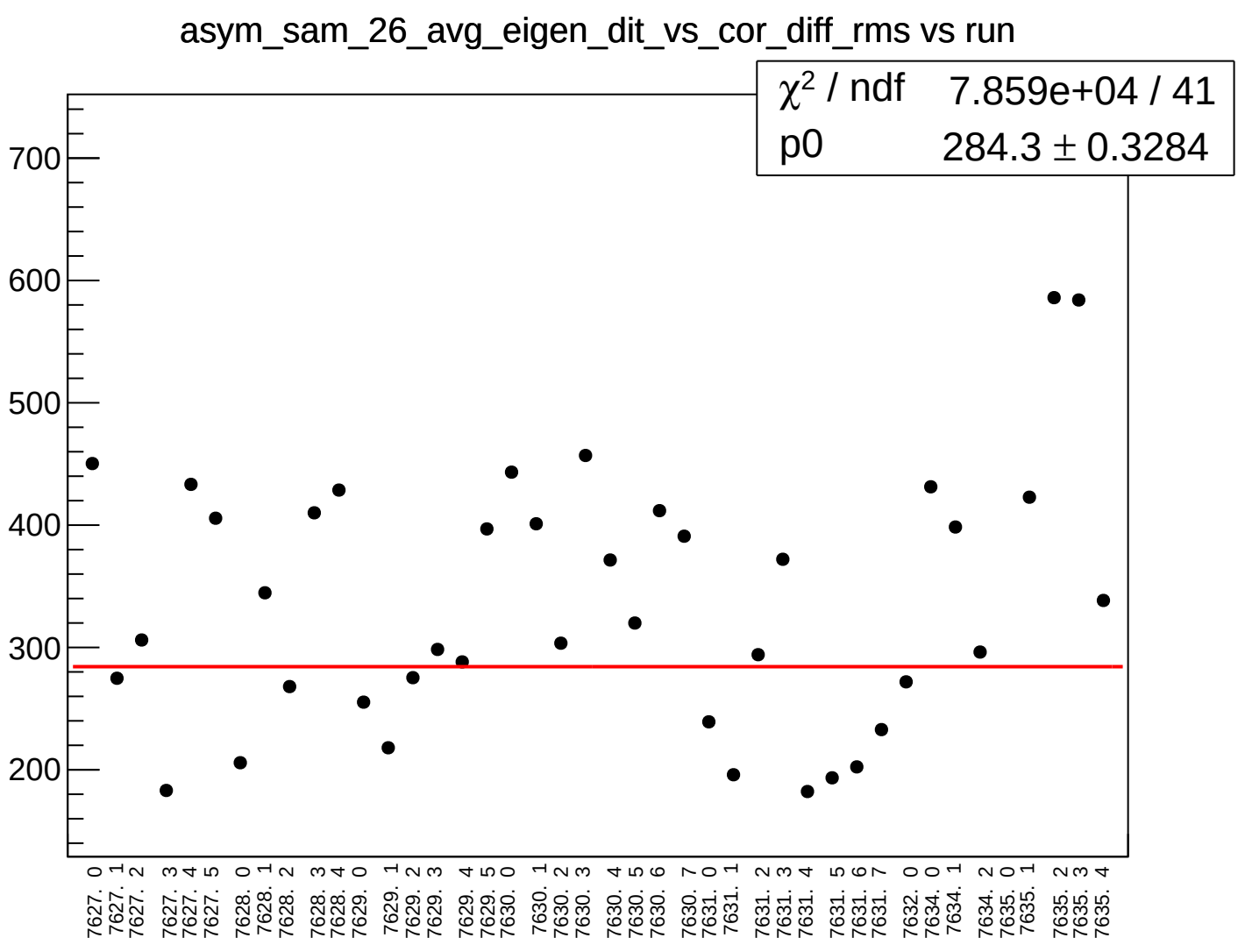

pull1D
Entries 42
Mean −0.06806
Std Dev 1.082

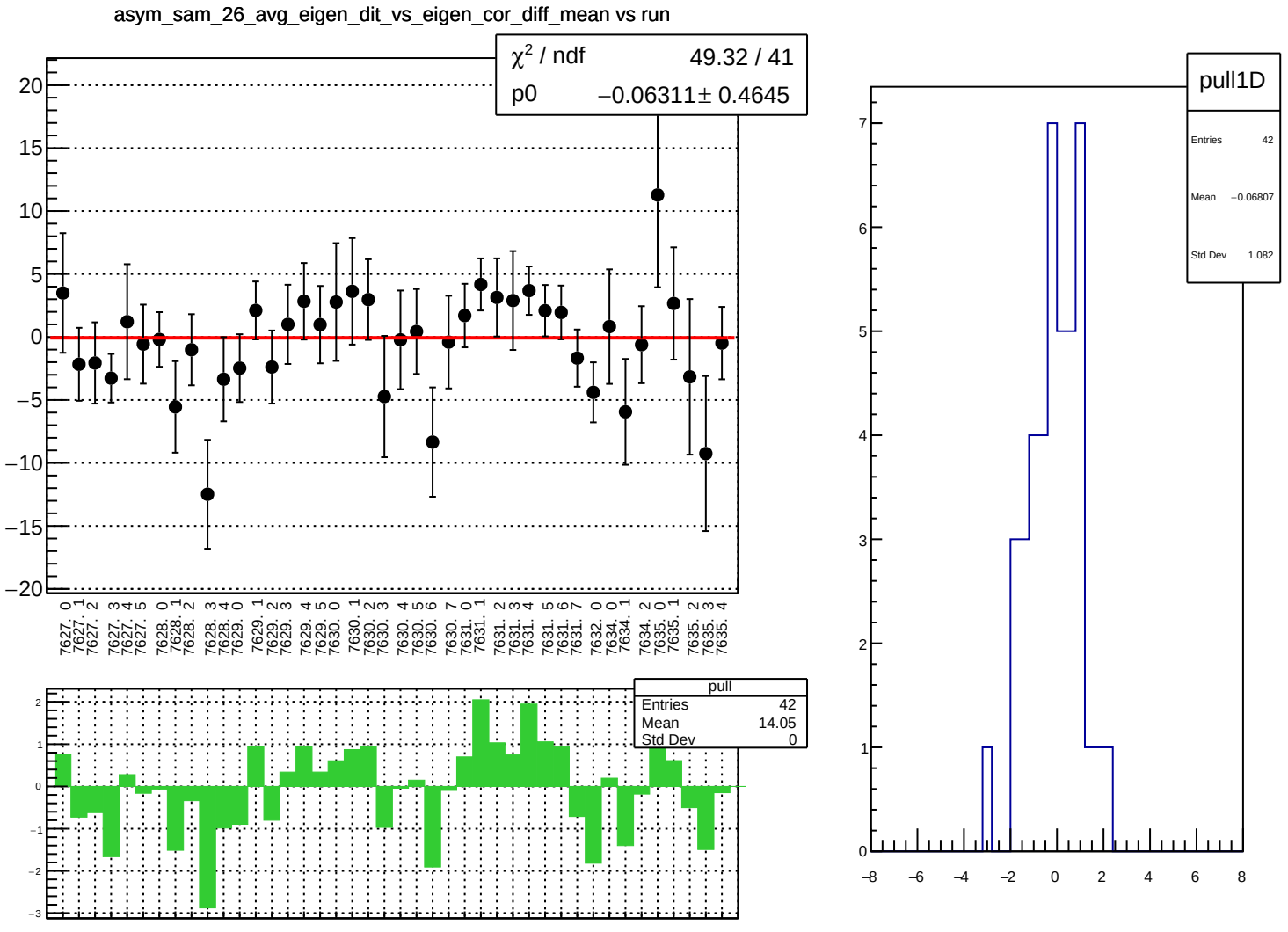

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.859e+04 / 41
p0 284.3 ± 0.3284
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

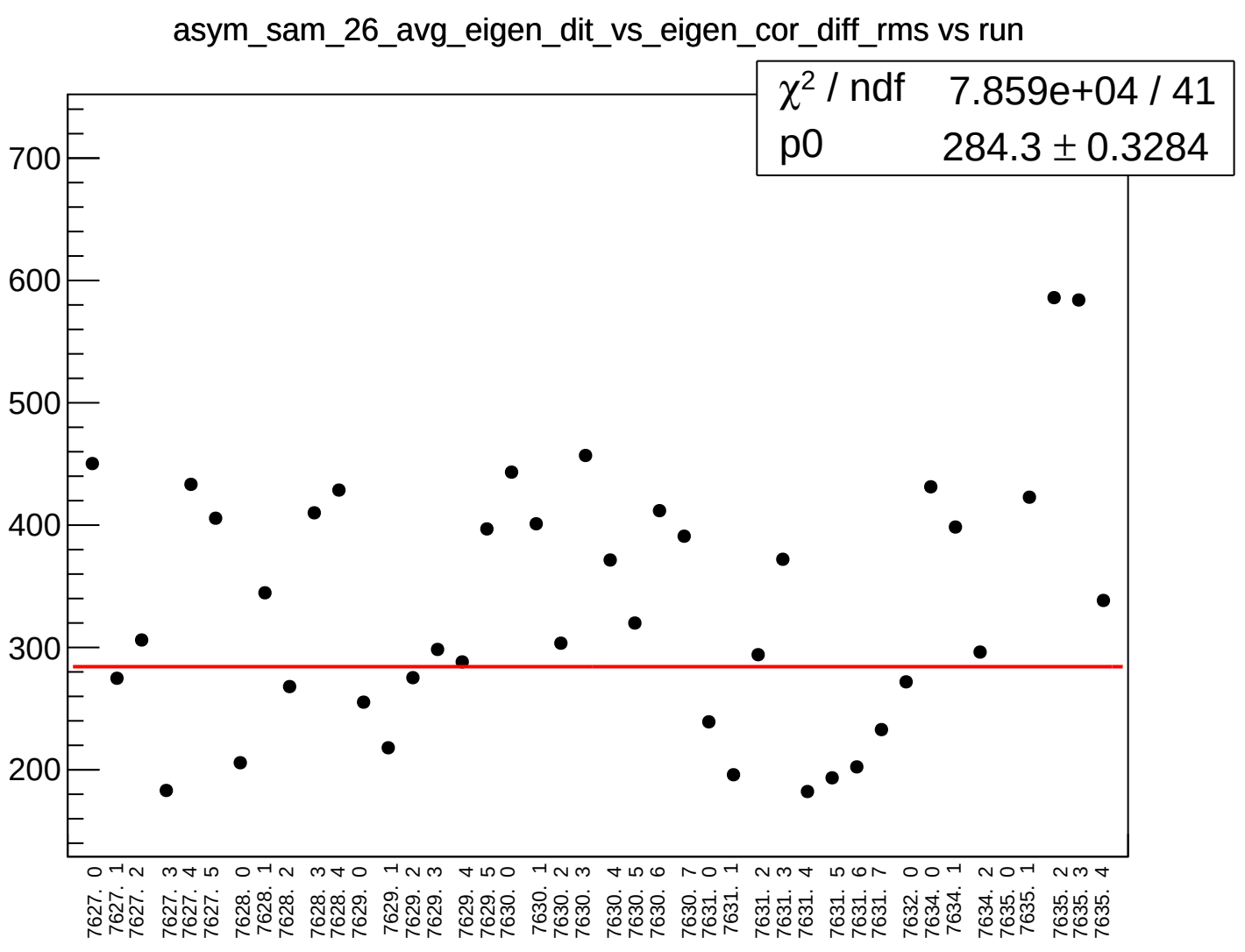

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.61 / 41
p0 1.743e−06 ± 6.379e−06
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 99.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.002644
Std Dev 1.065
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

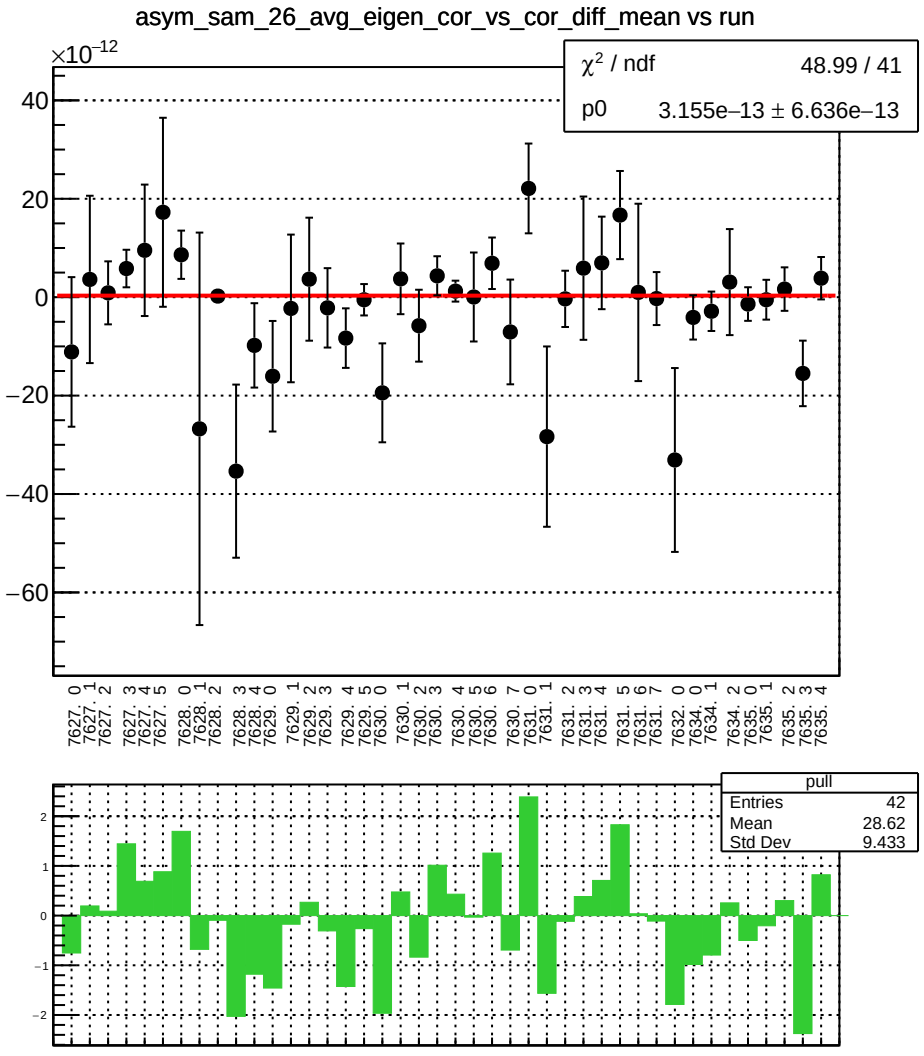

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6109 / 41
p0 0.004088 ± 4.51e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

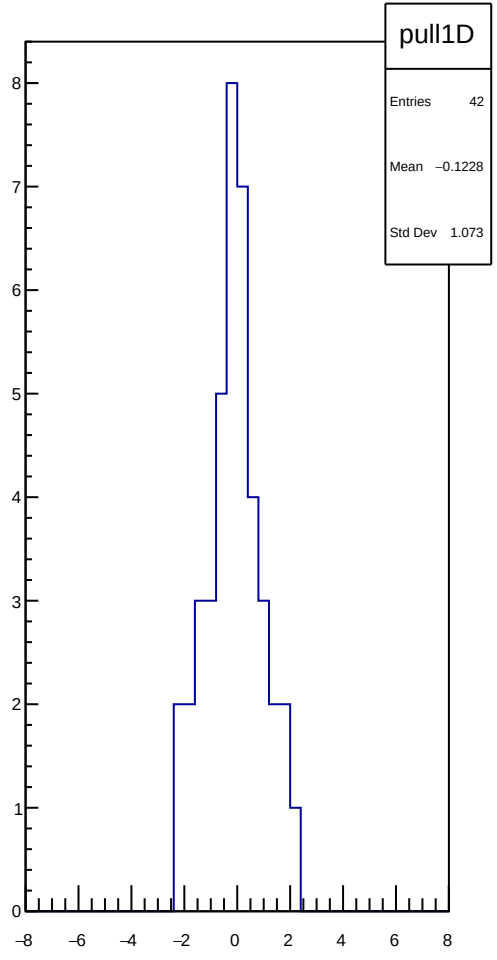

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.32 / 41
p0 −0.06311± 0.4645
pull
Entries 42
Mean −14.05
Std Dev 0
pull1D
Entries 42
Mean −0.06807
Std Dev 1.082

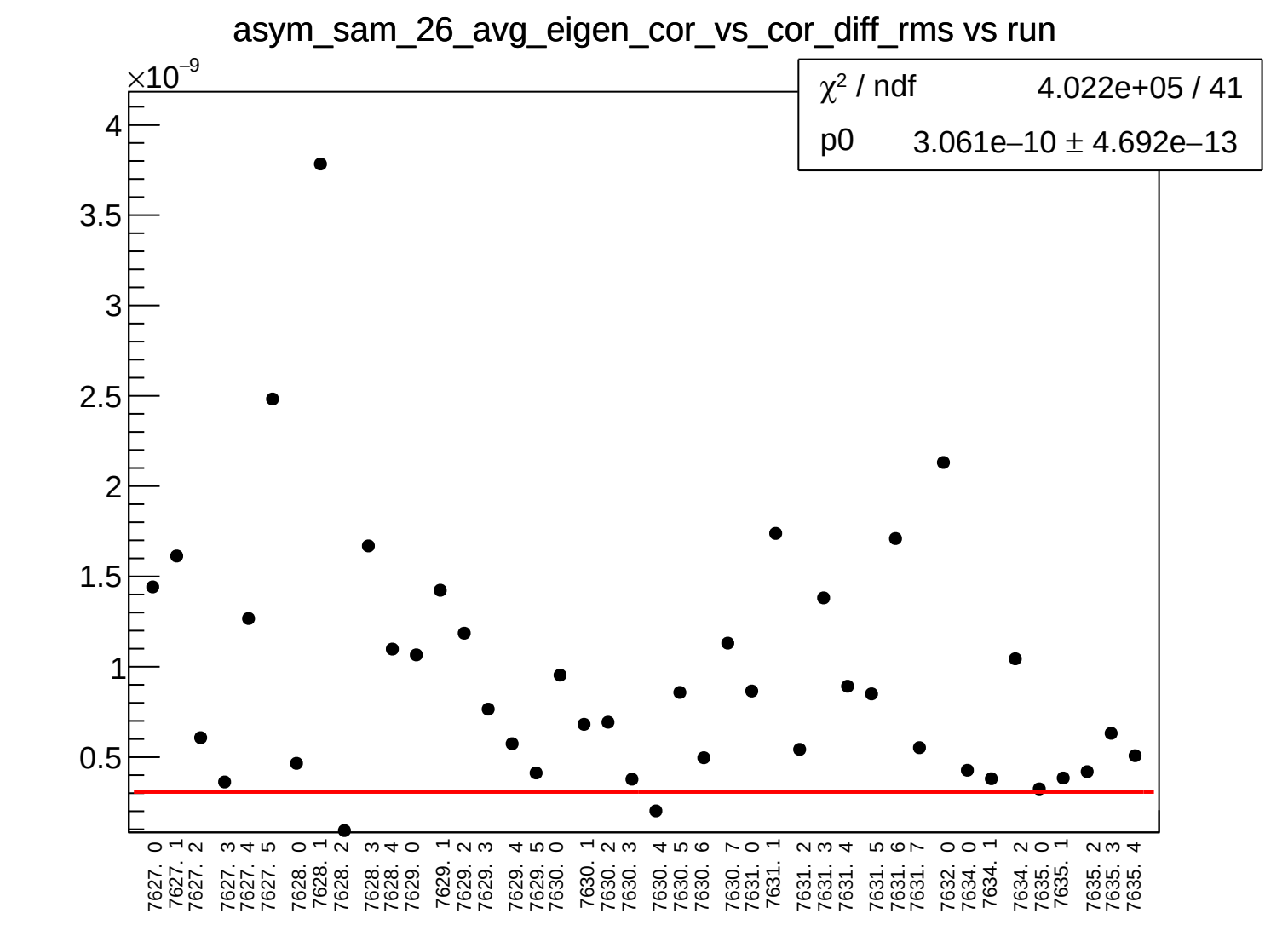

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.859e+04 / 41
p0 284.3 ± 0.3284
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

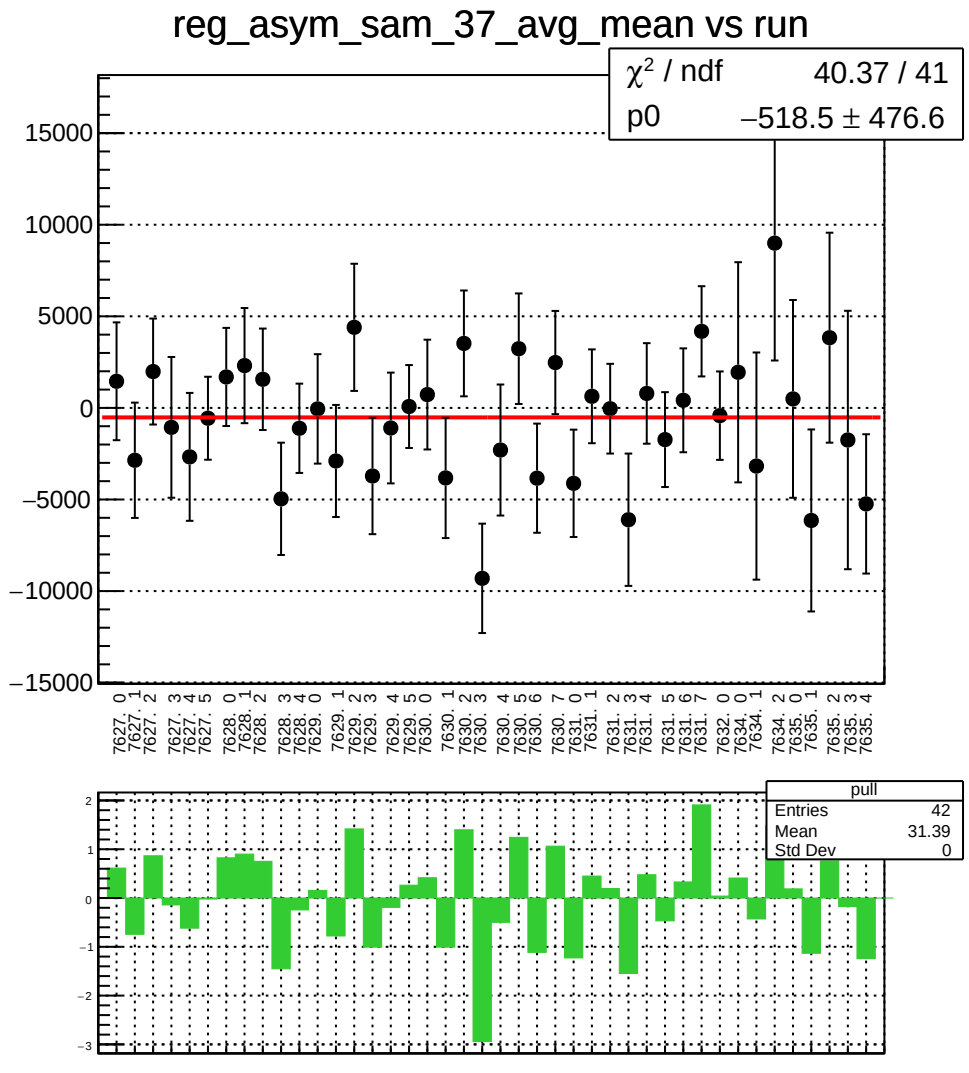

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.32 / 41
p0 −0.06311± 0.4645
pull
Entries 42
Mean −14.05
Std Dev 0
pull1D
Entries 42
Mean −0.06807
Std Dev 1.082

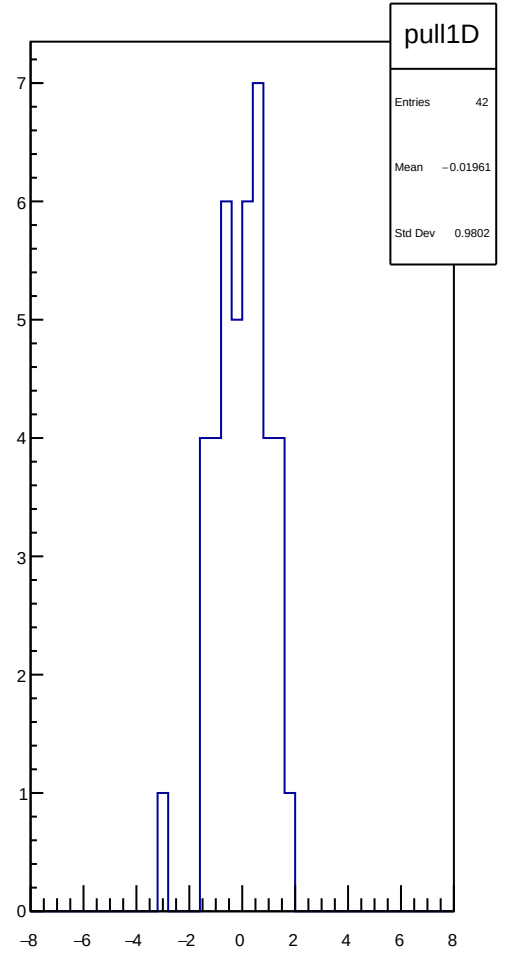

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.859e+04 / 41
p0 284.3 ± 0.3284
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

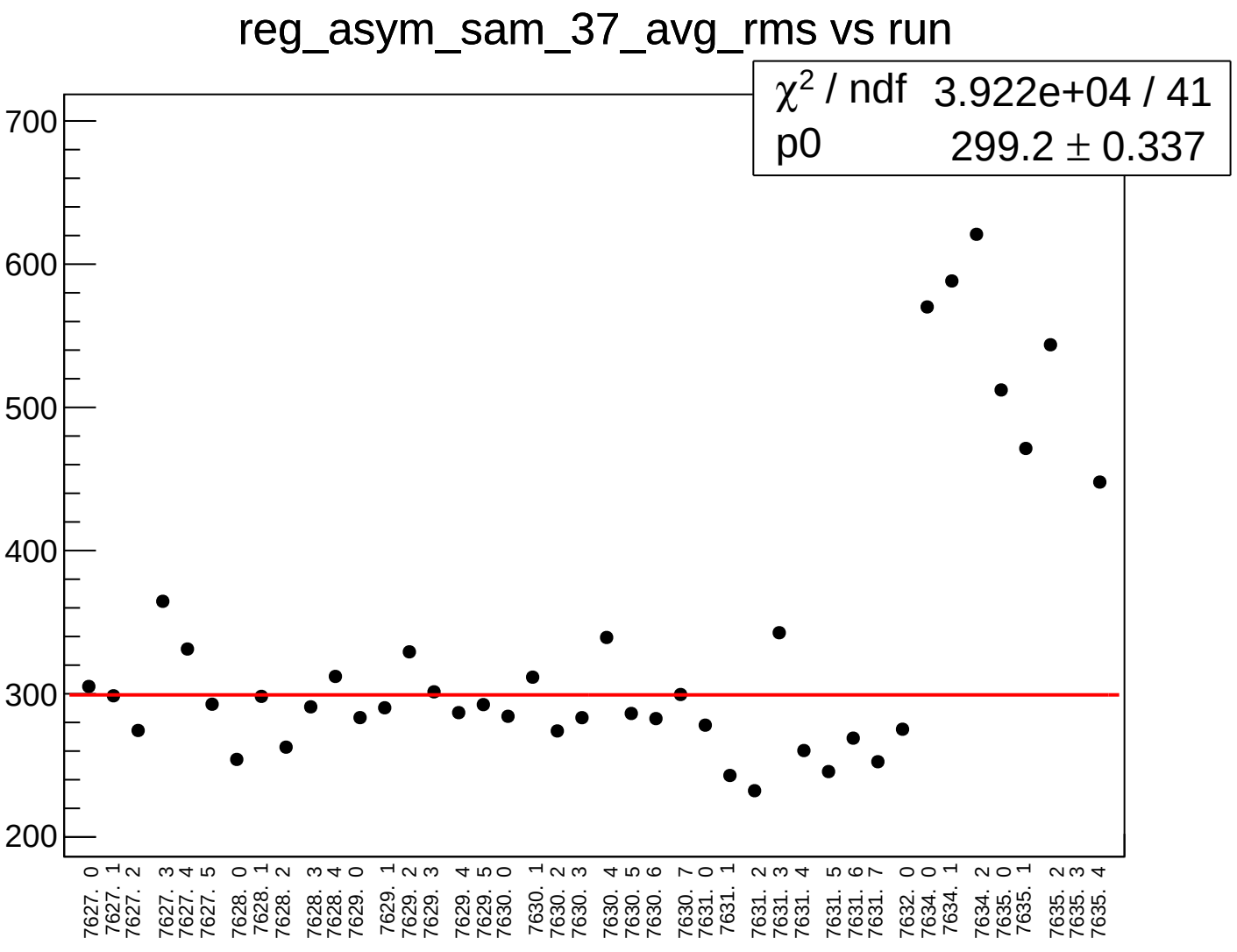

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.99 / 41
p0 3.155e−13 ± 6.636e−13
40
20
0
−20
−40
−60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 28.62
Std Dev 9.433
2
1
0
−1
−2

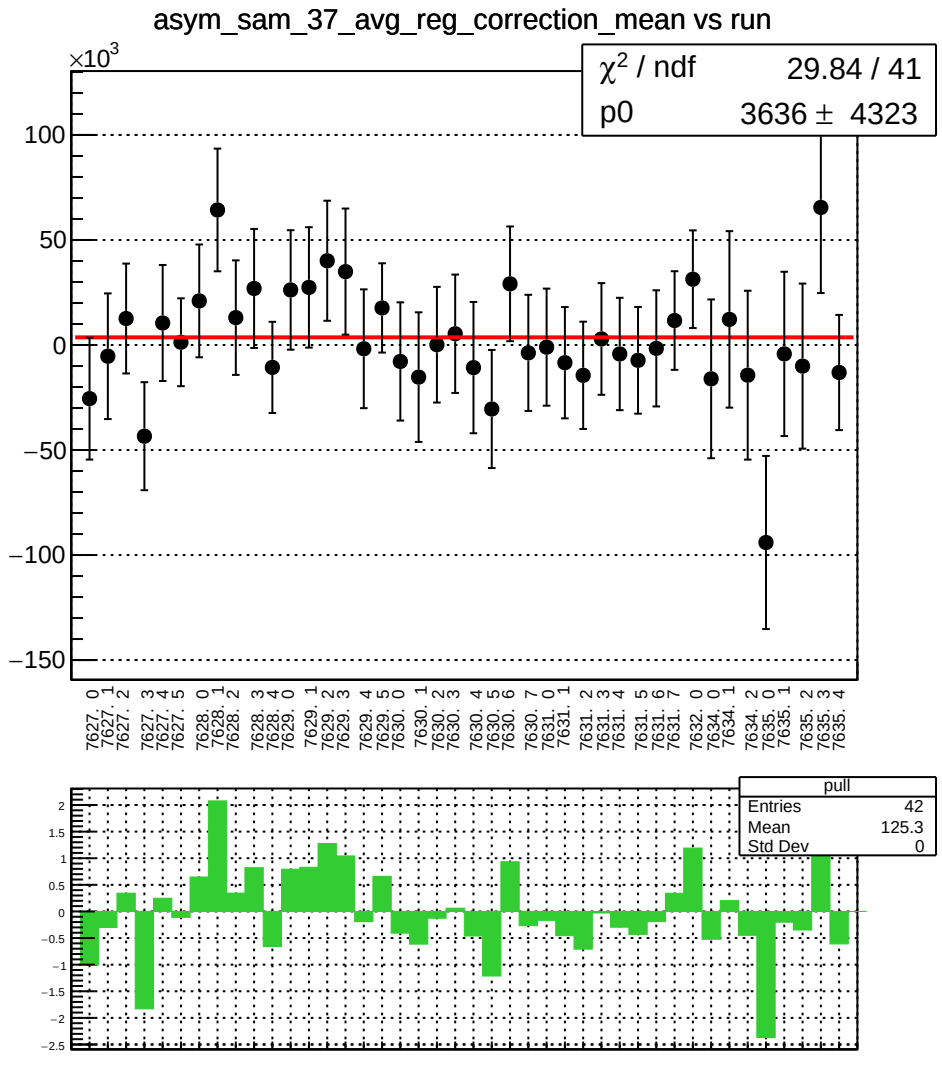

pull1D
Entries 42
Mean −0.1228
Std Dev 1.073
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

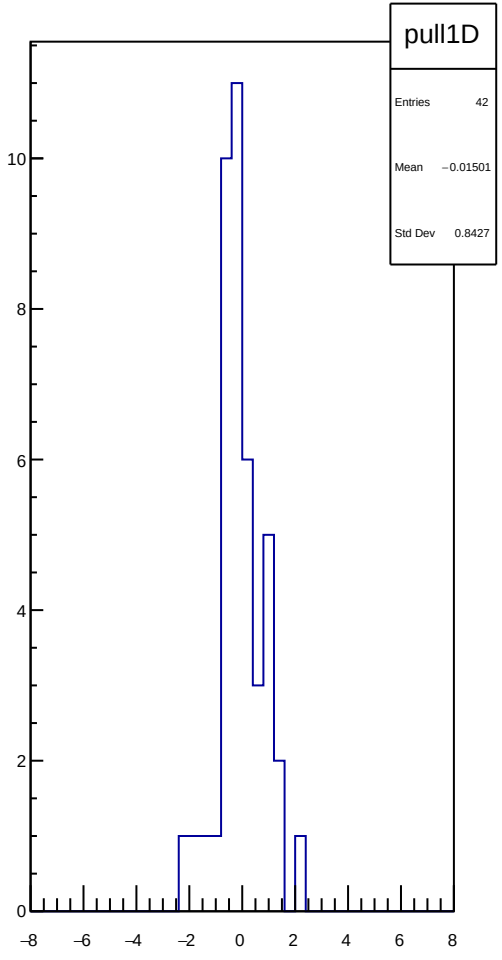

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.022e+05 / 41
p0 3.061e−10 ± 4.692e−13
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

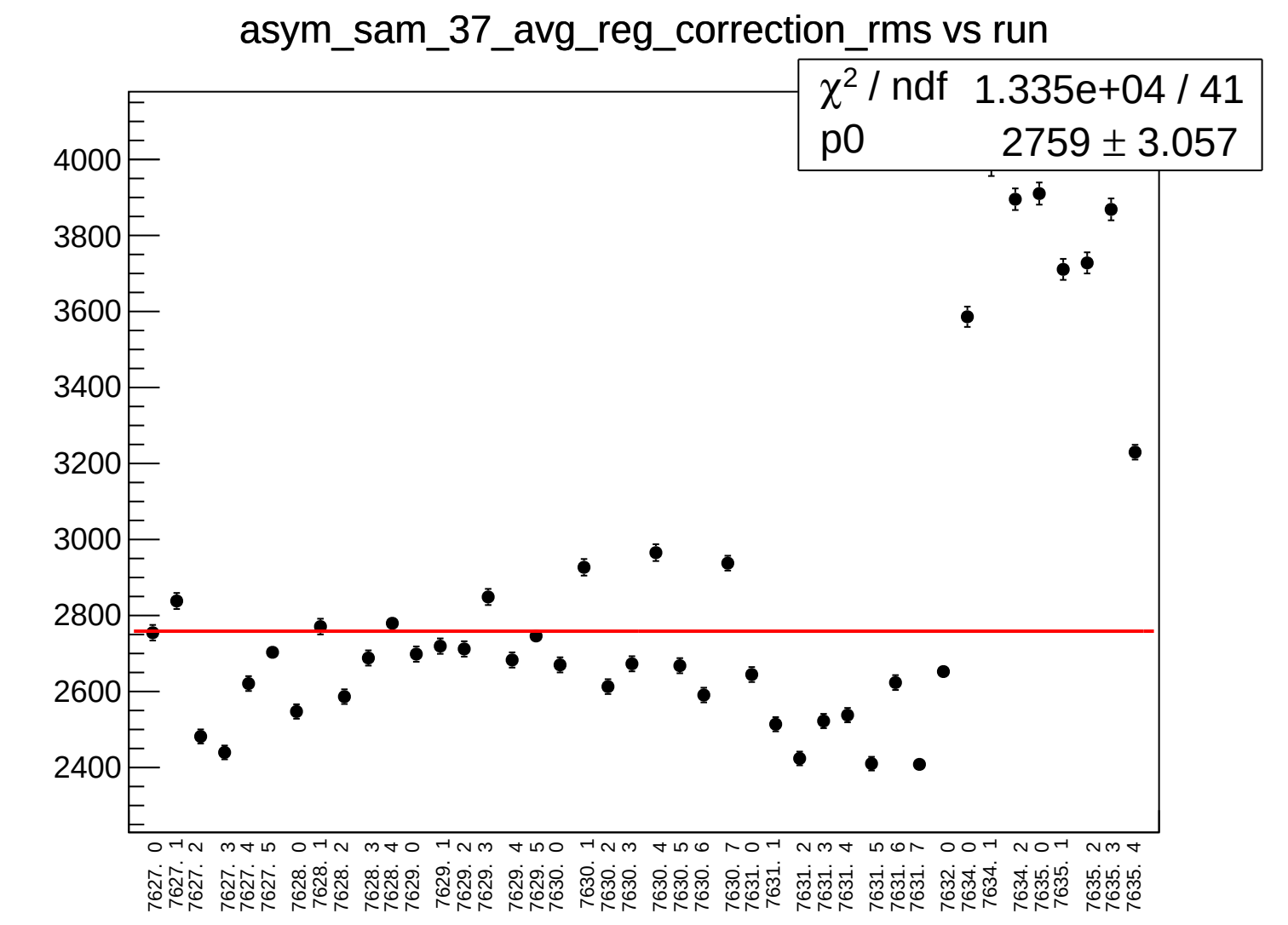

reg_asym_sam_37_avg_mean vs run
χ² / ndf 40.37 / 41
p0 −518.5 ± 476.6
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.39
Std Dev 0
2
1
0
−1
−2
−3

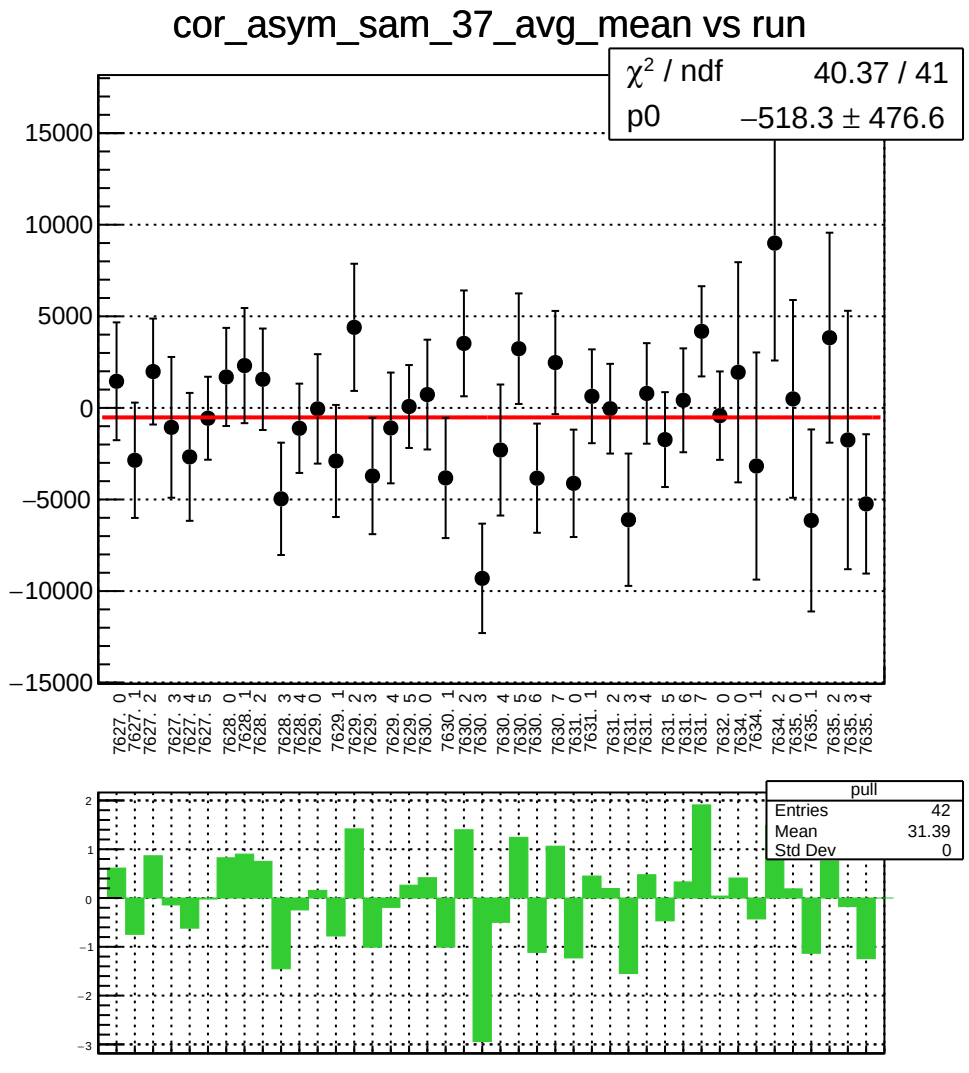

pull1D
Entries 42
Mean −0.01961
Std Dev 0.9802
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

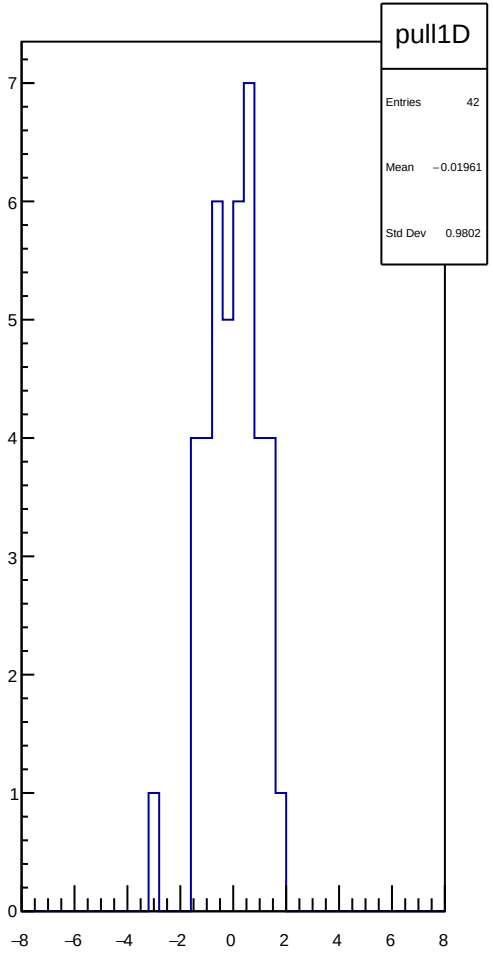

reg_asym_sam_37_avg_rms vs run
χ² / ndf 3.922e+04 / 41
p0 299.2 ± 0.337
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

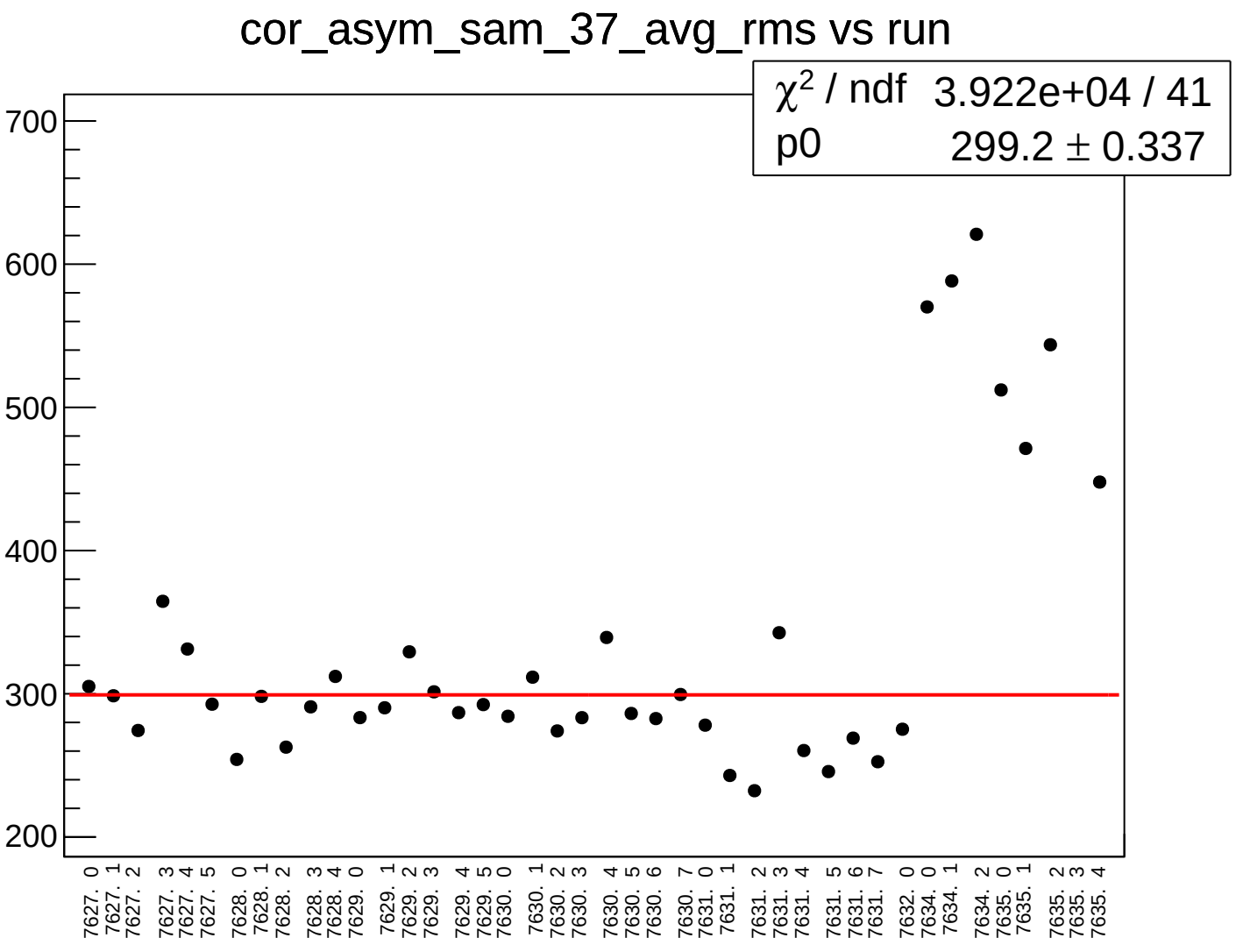

asym_sam_37_avg_reg_correction_mean vs run
×10^3
χ² / ndf 29.84 / 41
p0 3636 ± 4323
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 125.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

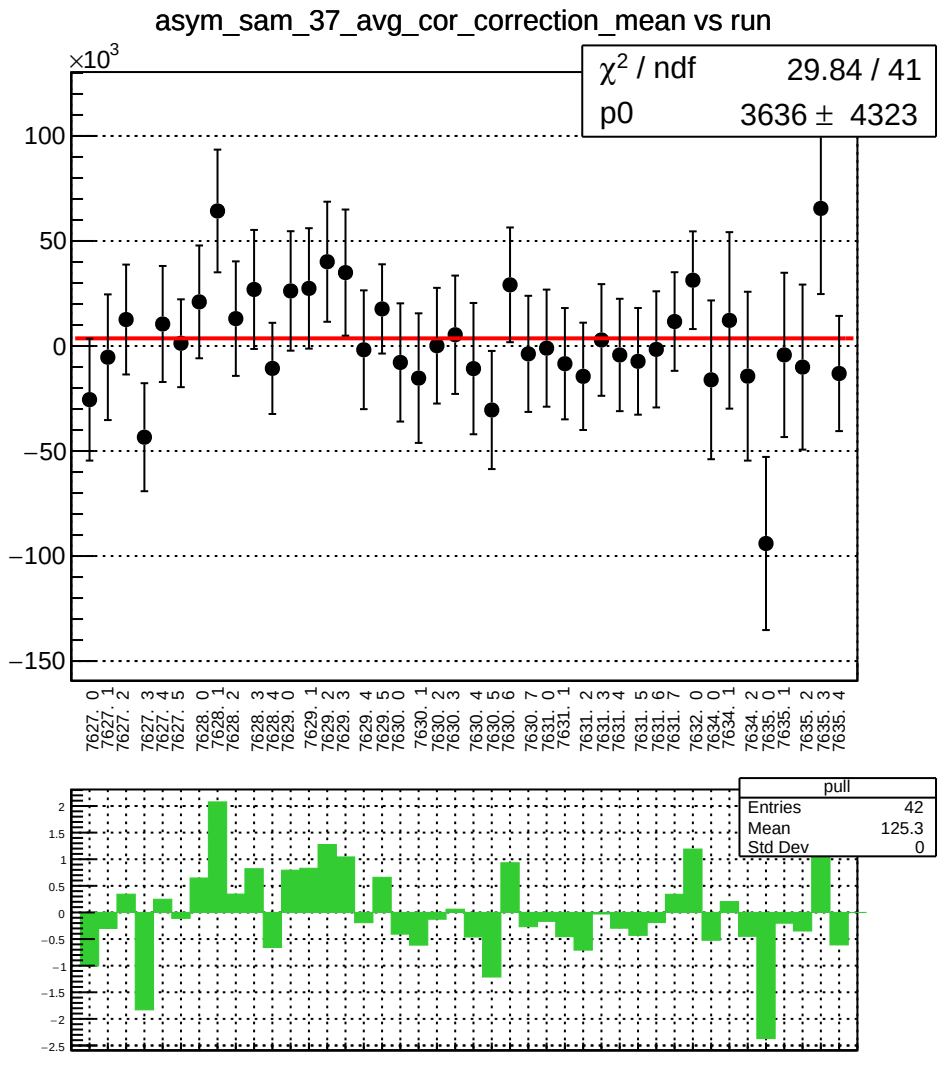

pull1D
Entries 42
Mean −0.01501
Std Dev 0.8427
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

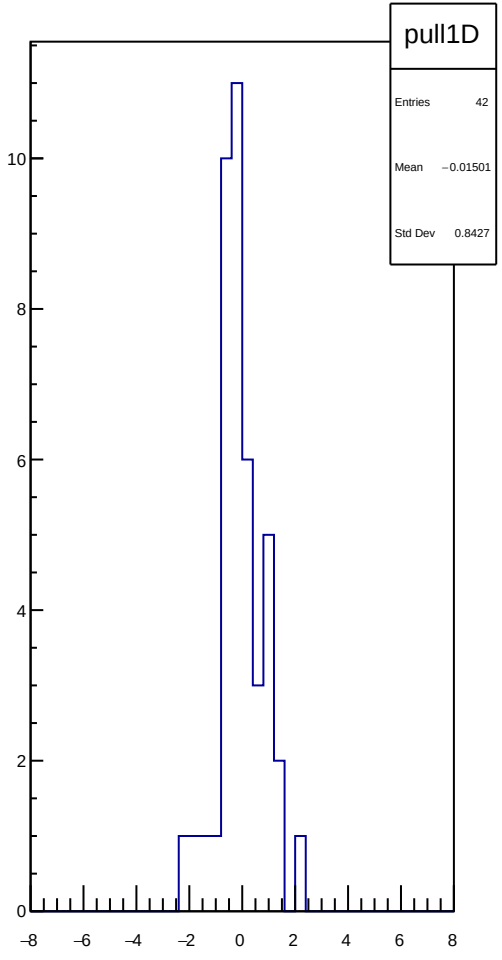

asym_sam_37_avg_reg_correction_rms vs run
χ^2 / ndf 1.335e+04 / 41
p0 2759 ± 3.057
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

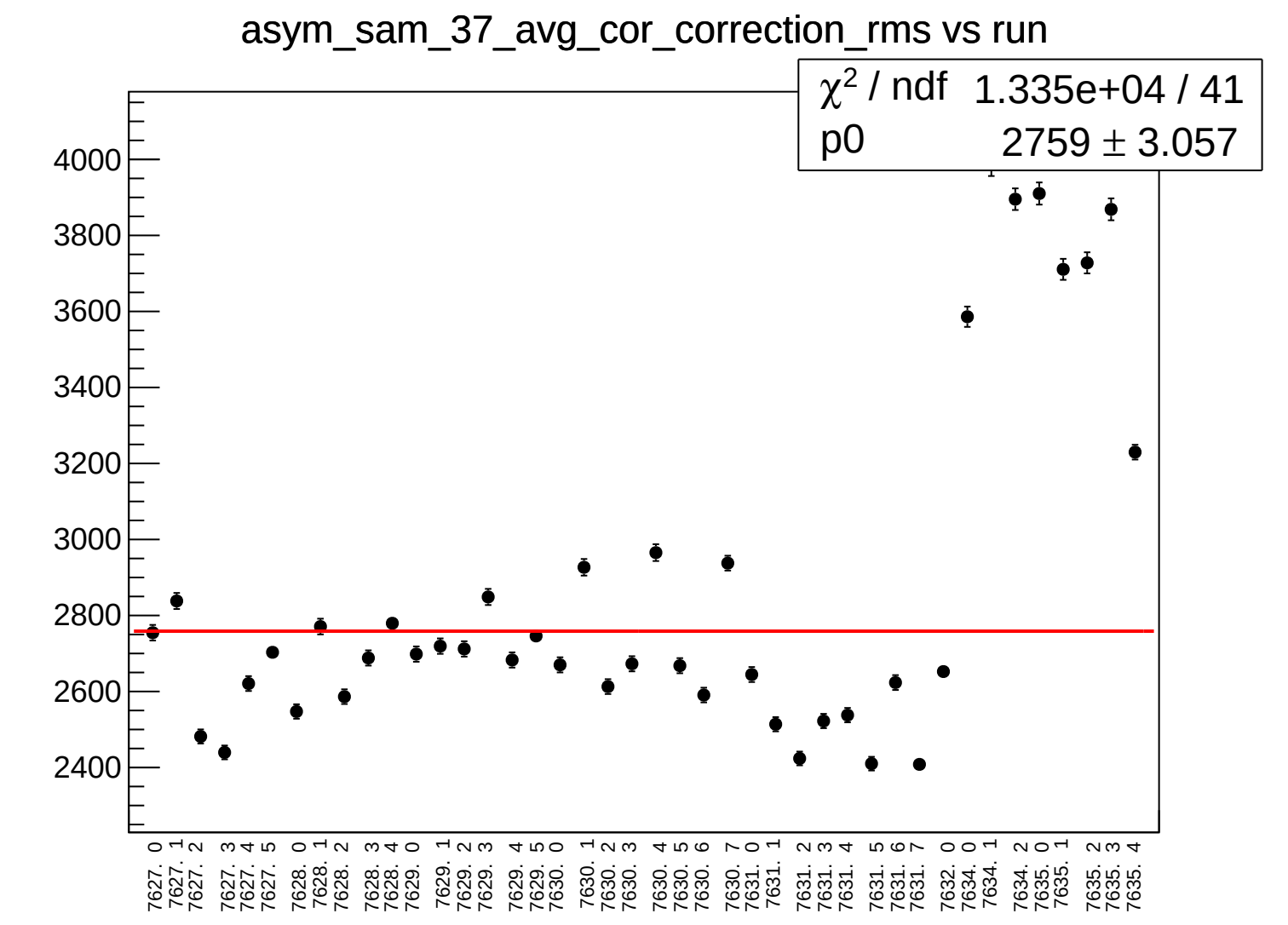

cor_asym_sam_37_avg_mean vs run
χ² / ndf 40.37 / 41
p0 −518.3 ± 476.6
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.39
Std Dev 0
2
1
0
−1
−2
−3

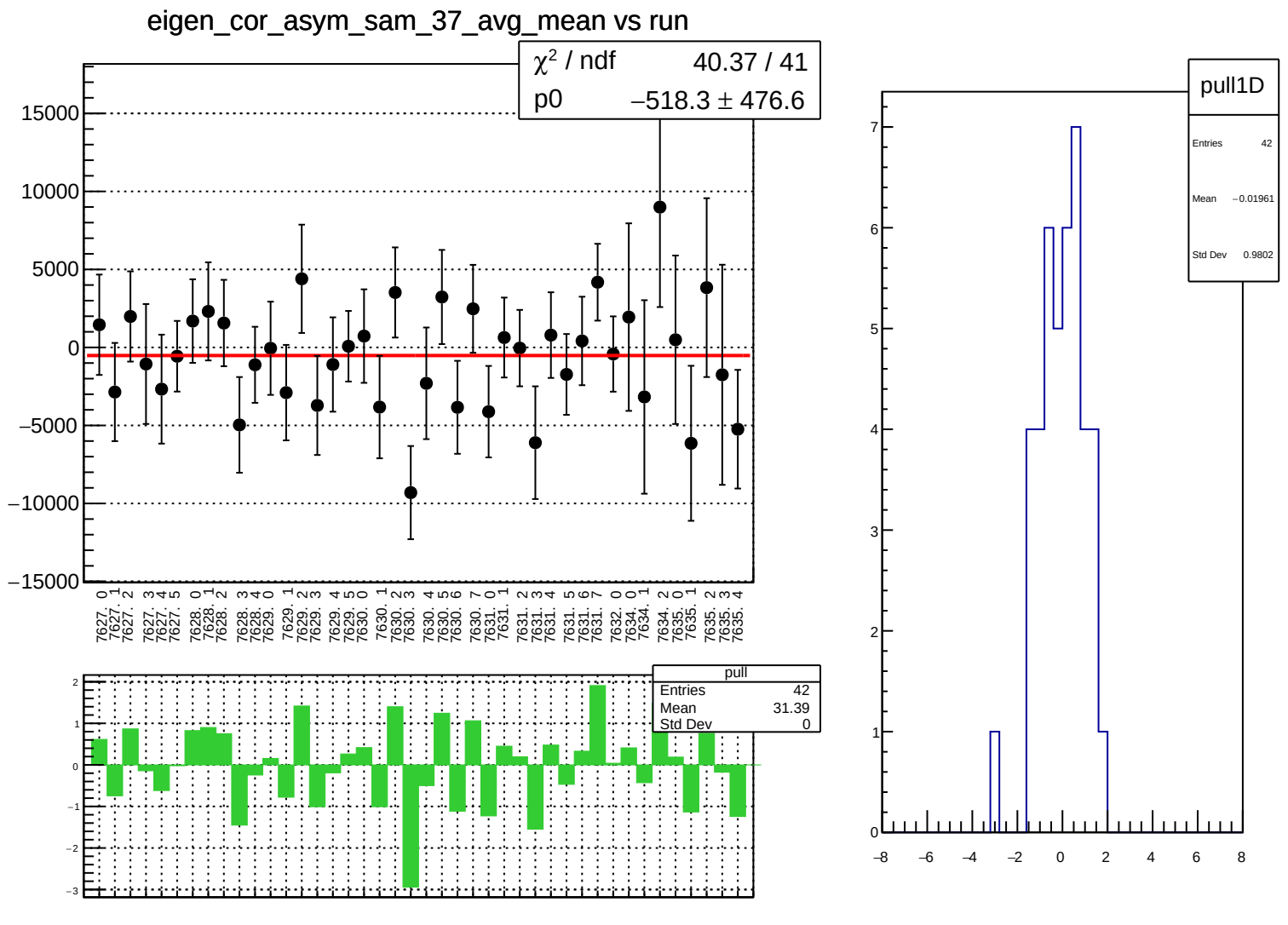

pull1D
Entries 42
Mean −0.01961
Std Dev 0.9802
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

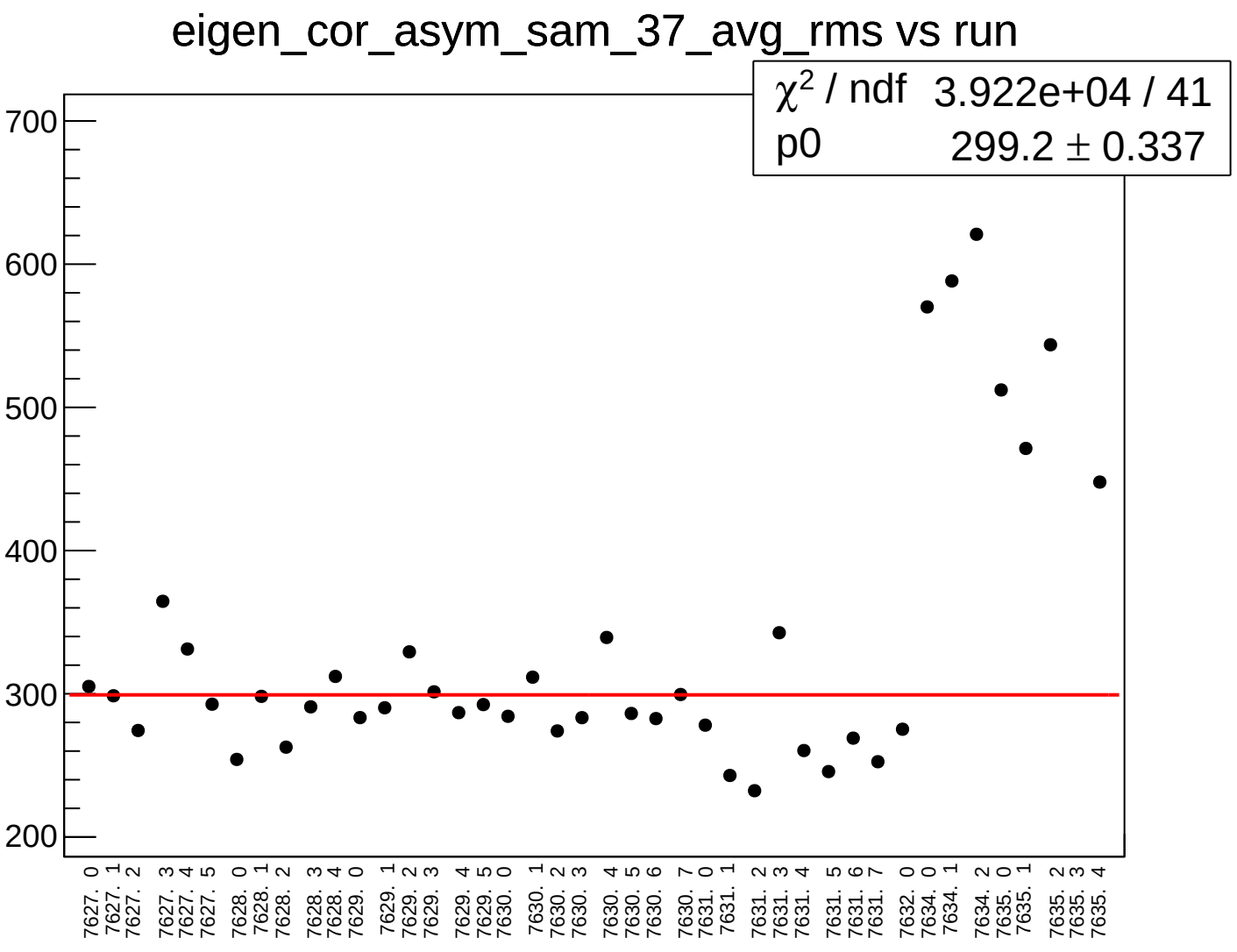

cor_asym_sam_37_avg_rms vs run
χ² / ndf 3.922e+04 / 41
p0 299.2 ± 0.337
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

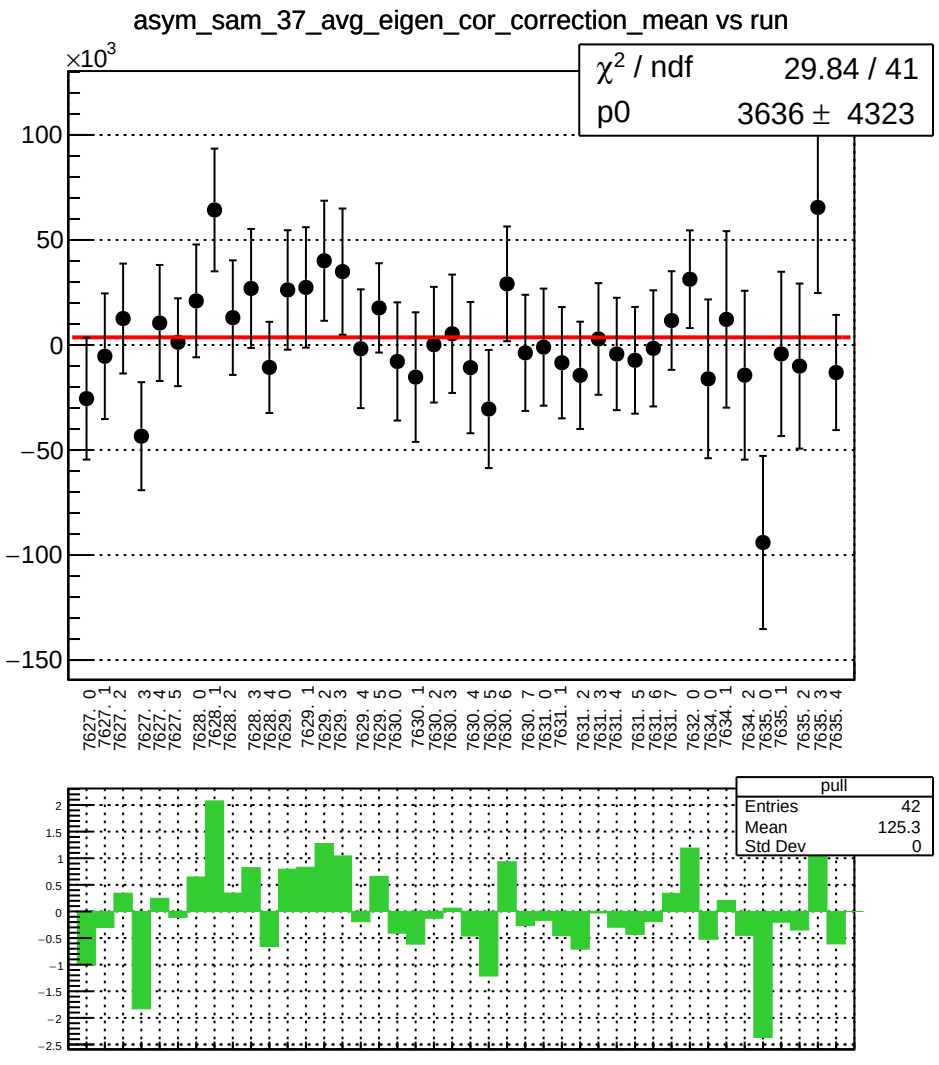

asym_sam_37_avg_cor_correction_mean vs run
×10^3
χ² / ndf 29.84 / 41
p0 3636 ± 4323
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 125.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

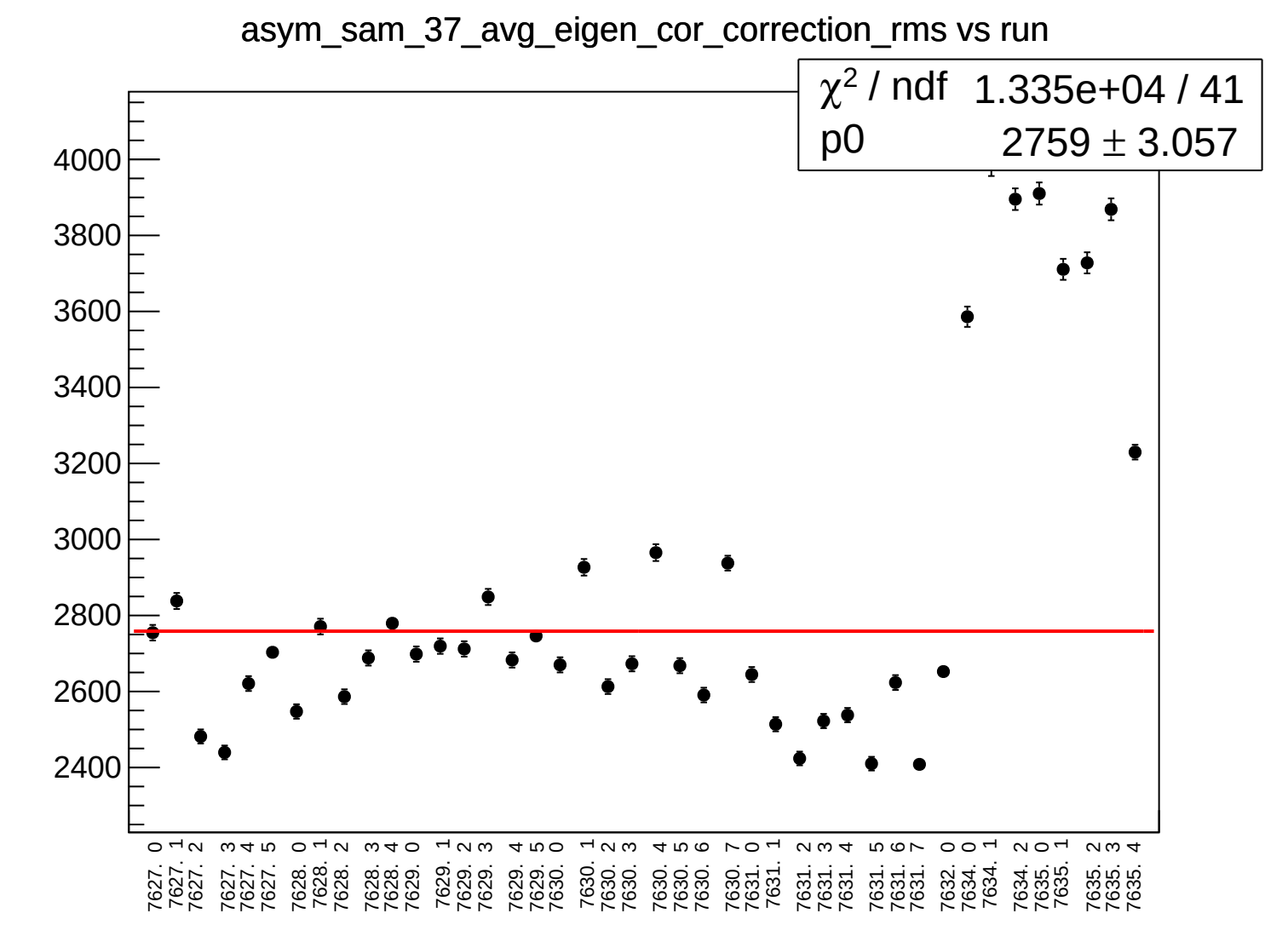

pull1D
Entries 42
Mean −0.01501
Std Dev 0.8427
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

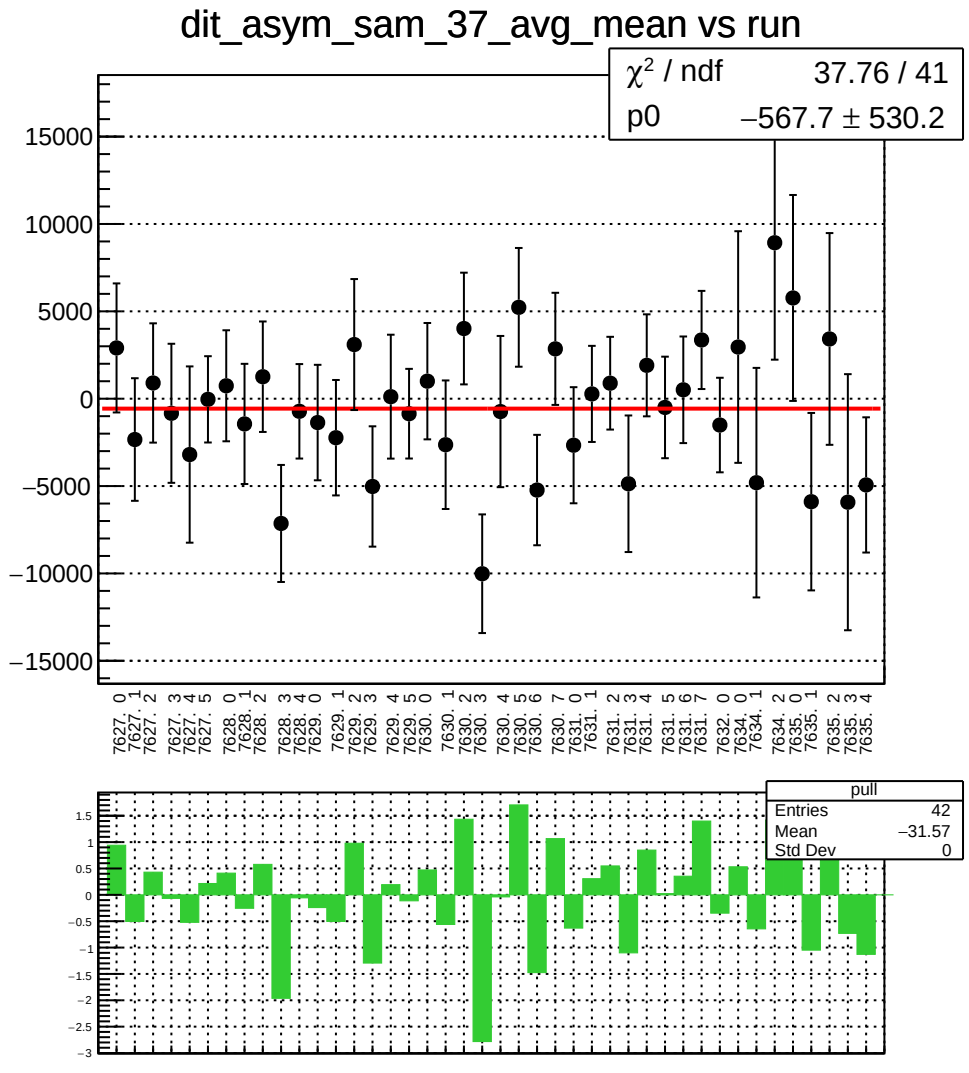

asym_sam_37_avg_cor_correction_rms vs run
χ^2 / ndf 1.335e+04 / 41
p0 2759 ± 3.057
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

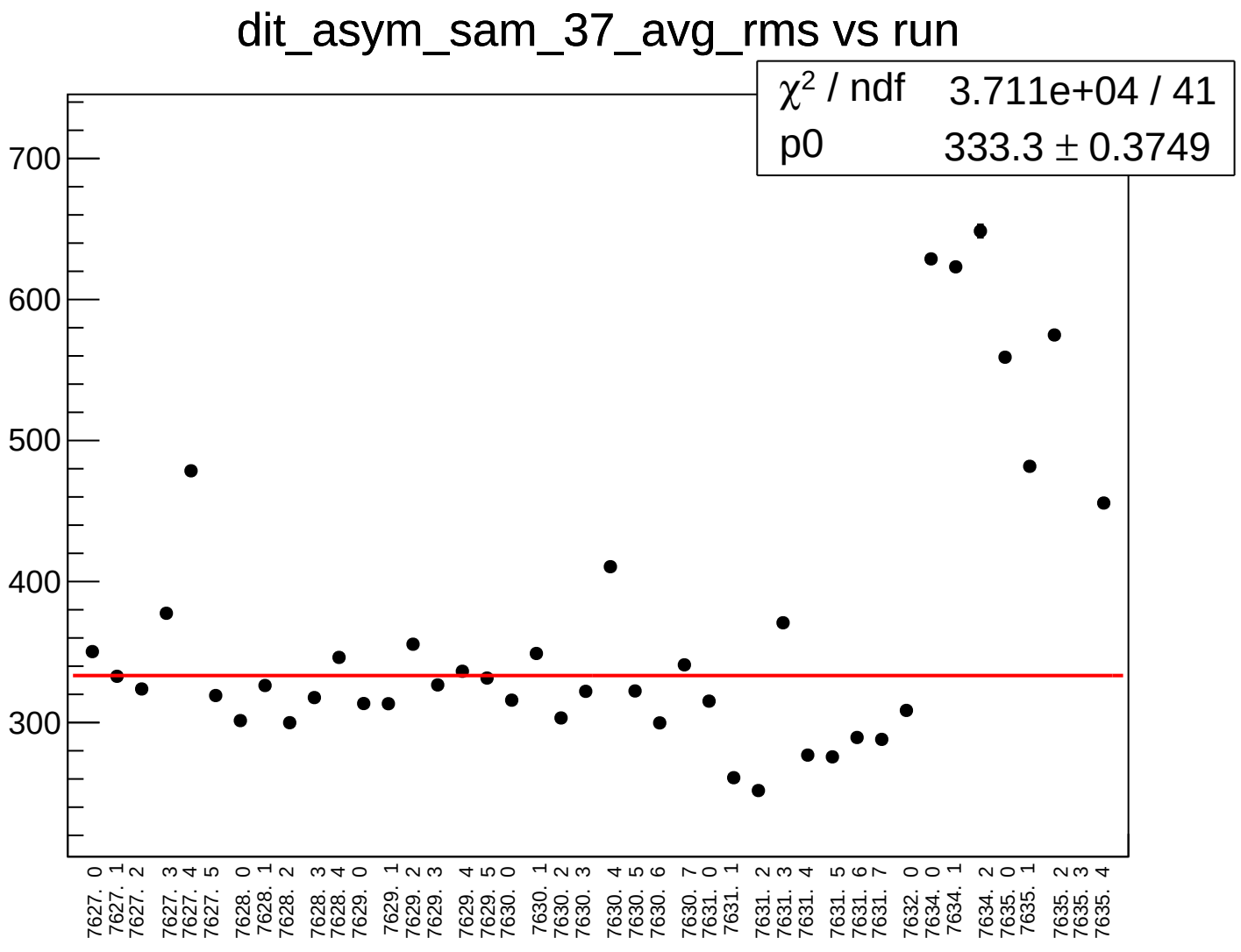

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 40.37 / 41
p0 −518.3 ± 476.6
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.39
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.01961
Std Dev 0.9802
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

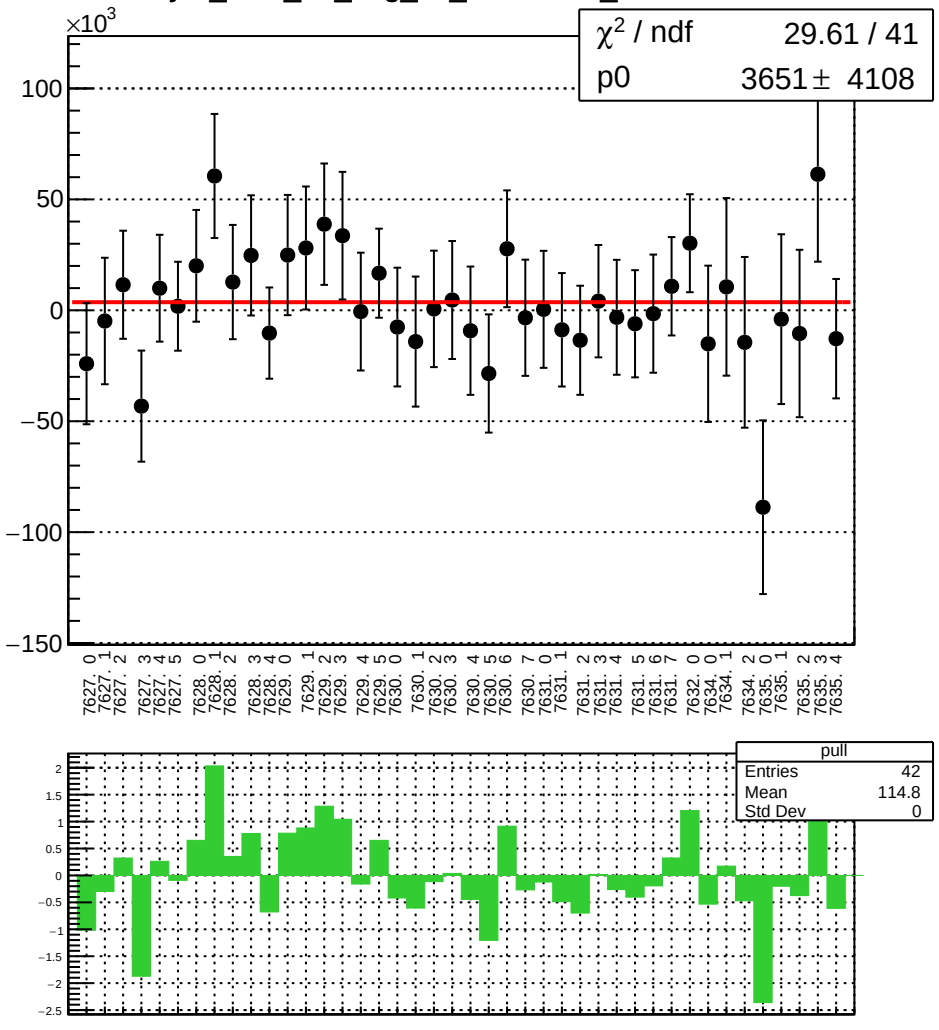

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 3.922e+04 / 41
p0 299.2 ± 0.337
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

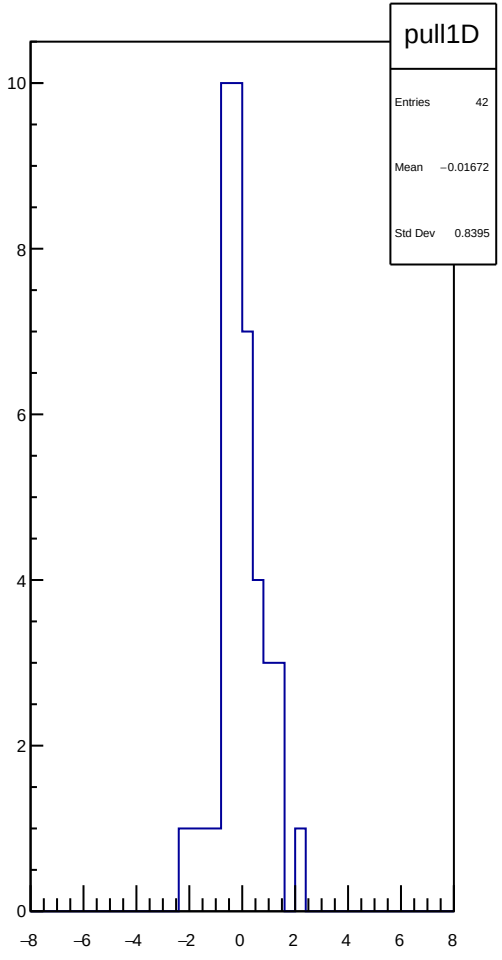

asym_sam_37_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.84 / 41
p0 3636 ± 4323
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 125.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01501
Std Dev 0.8427
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

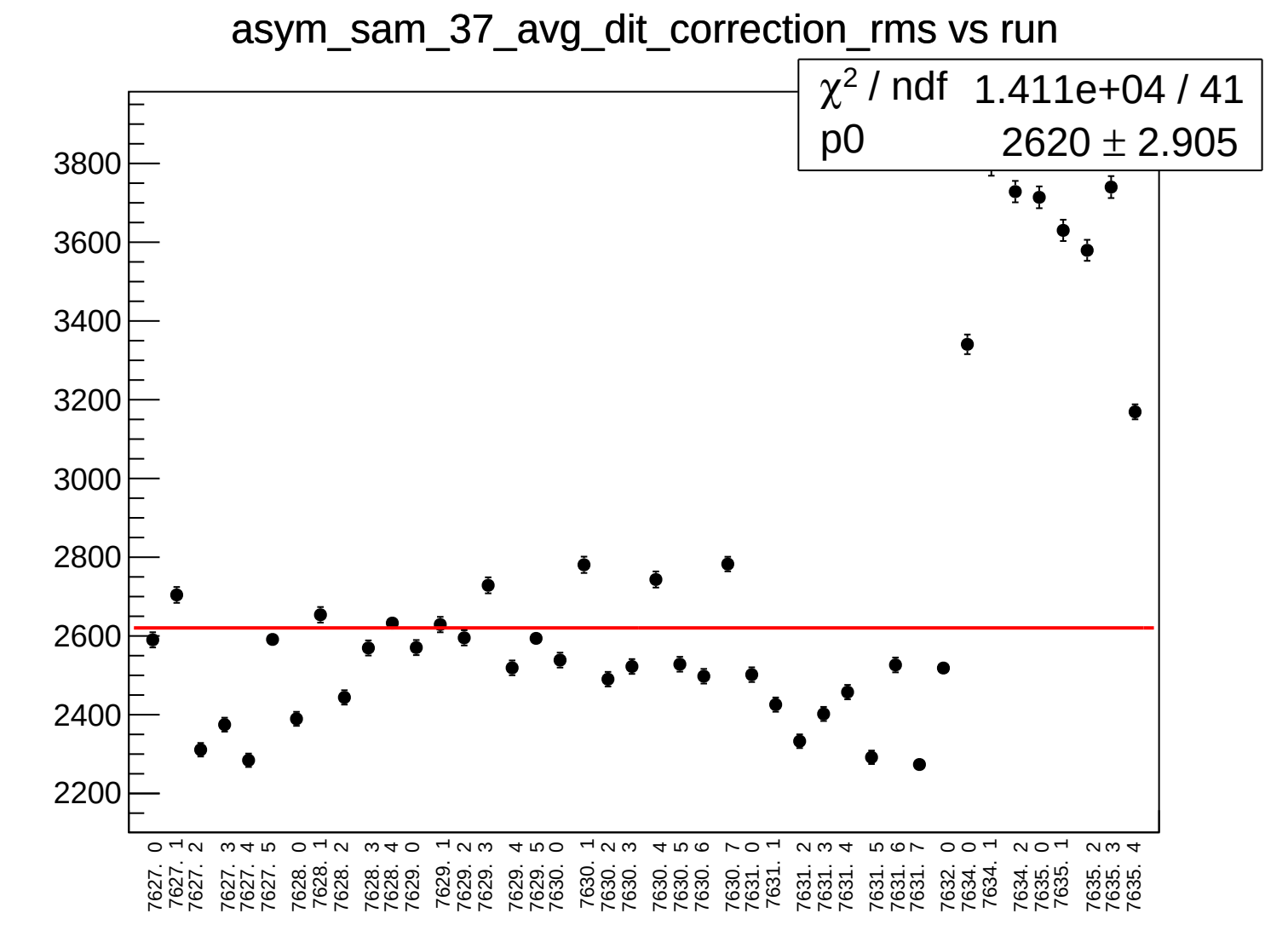

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.335e+04 / 41
p0 2759 ± 3.057
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

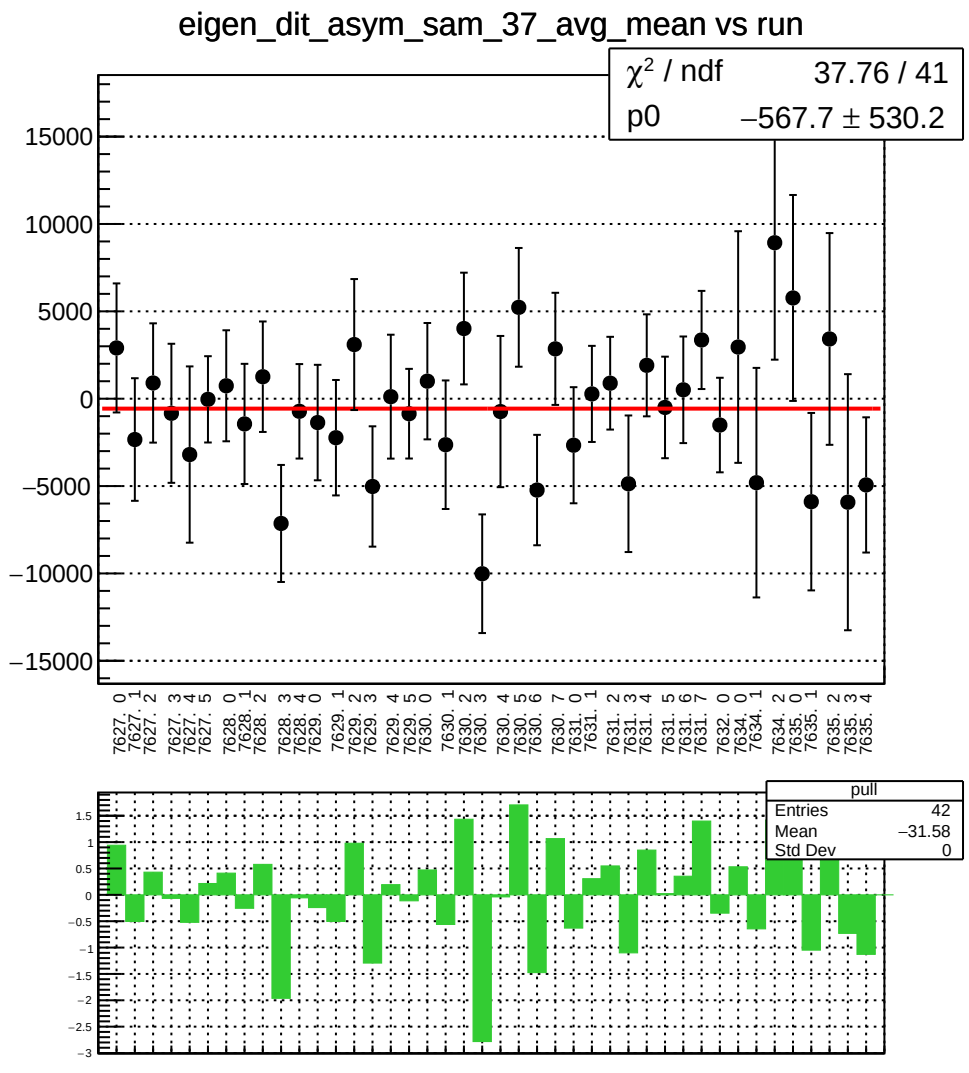

dit_asym_sam_37_avg_mean vs run
χ² / ndf 37.76 / 41
p0 −567.7 ± 530.2
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 42
Mean −0.01003
Std Dev 0.9481
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

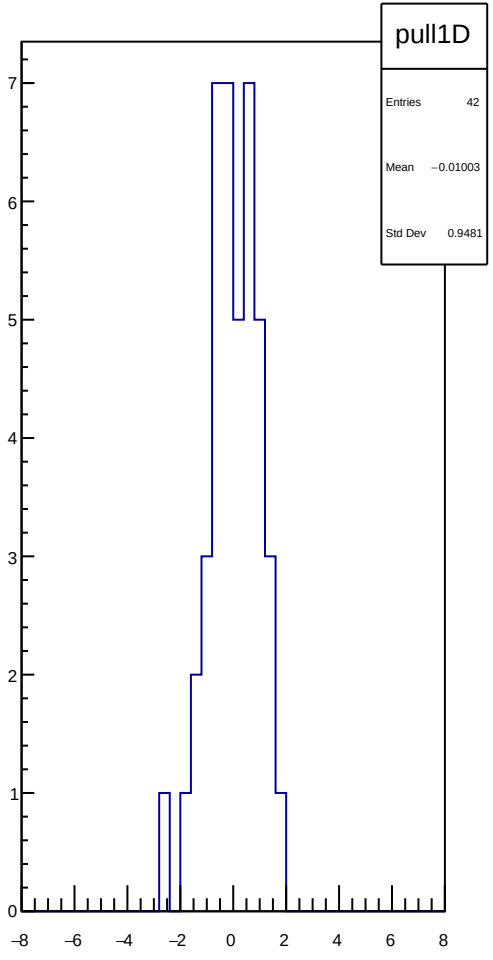

dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.711e+04 / 41
p0 333.3 ± 0.3749
700
600
500
400
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

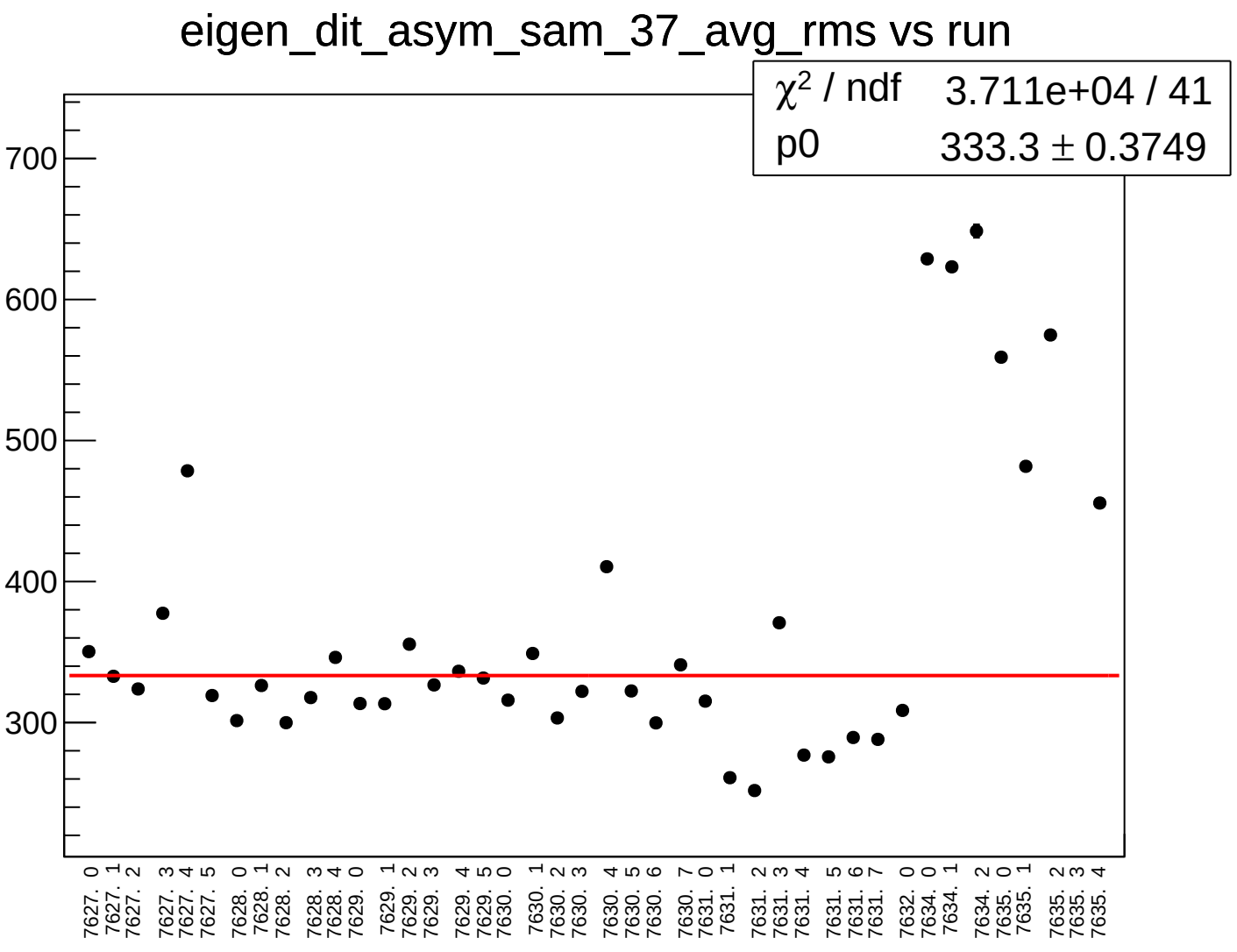

asym_sam_37_avg_dit_correction_mean vs run
×10^3
χ² / ndf 29.61 / 41
p0 3651 ± 4108
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 114.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

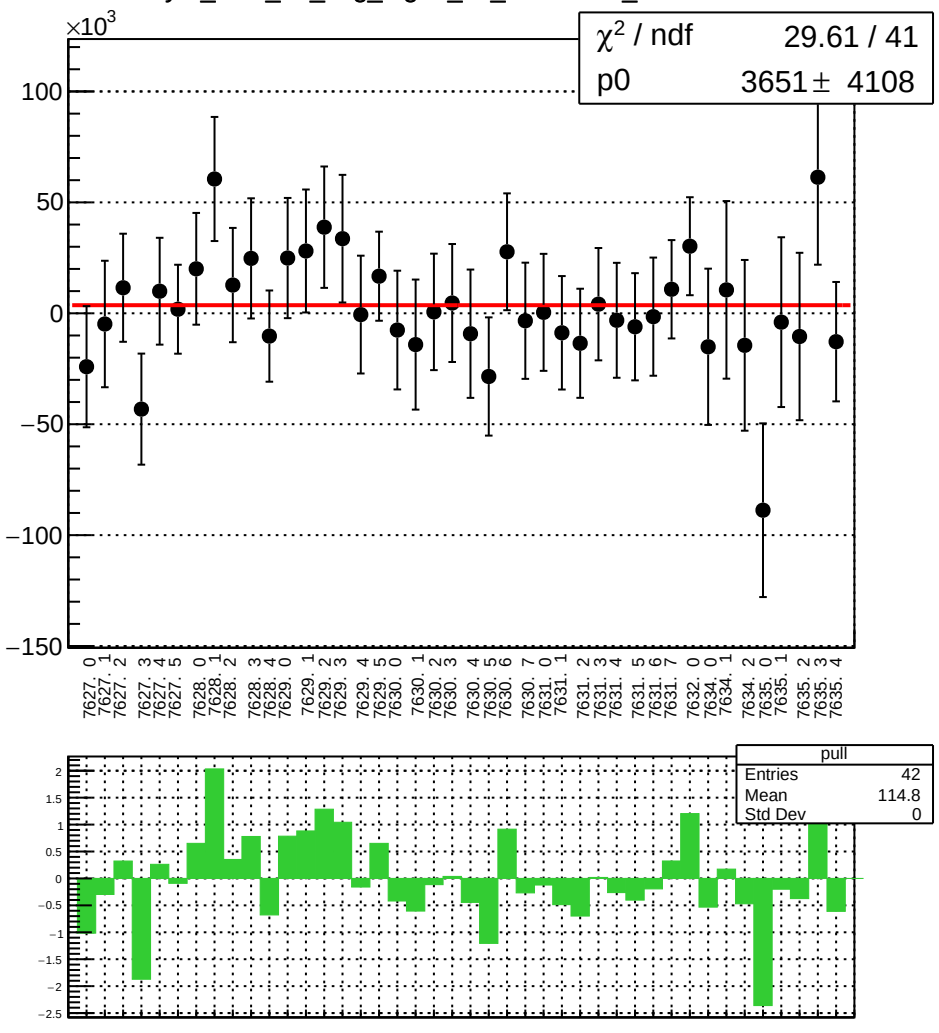

pull1D
Entries 42
Mean −0.01672
Std Dev 0.8395
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

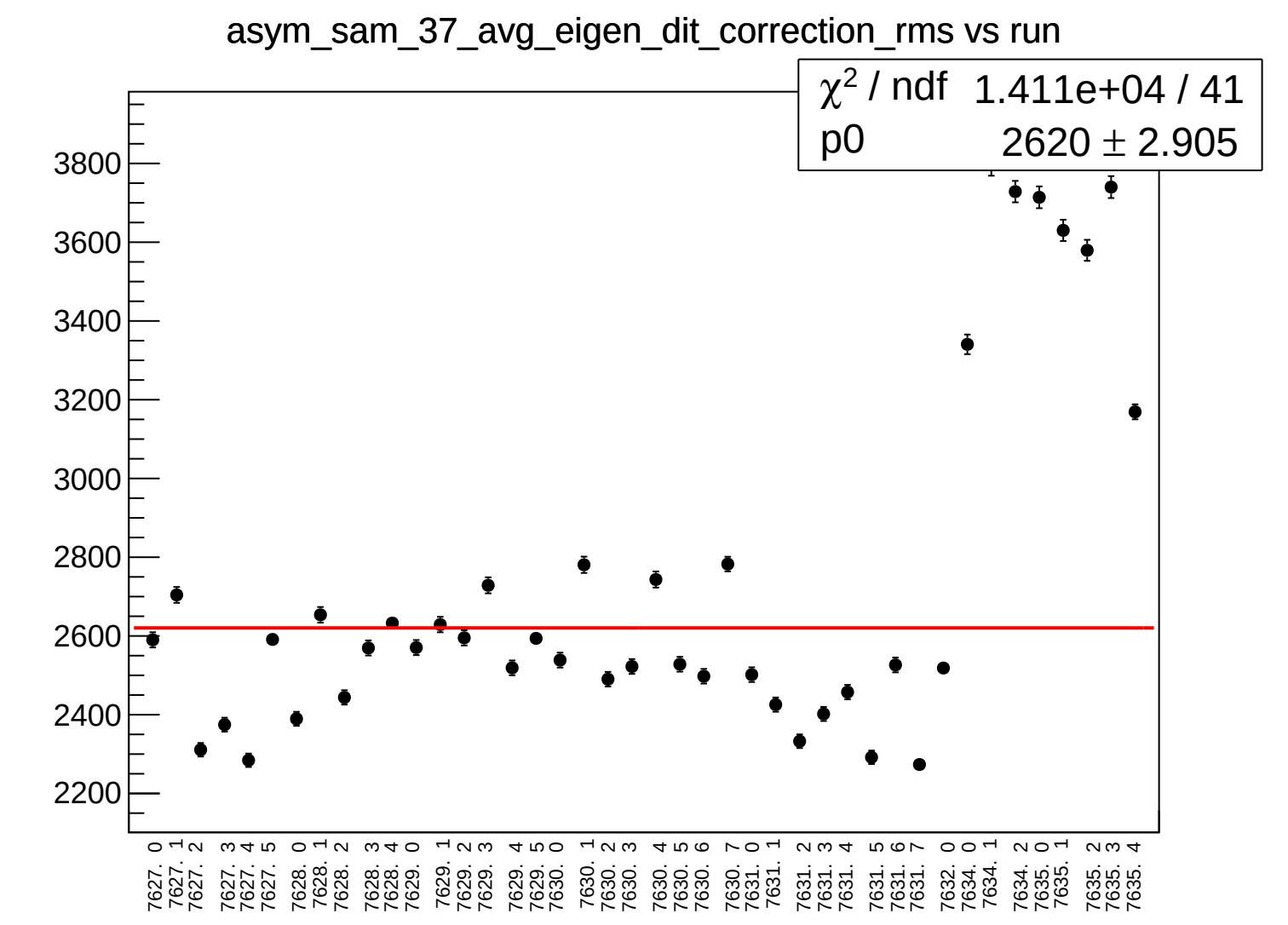

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 1.411e+04 / 41
p0 2620 ± 2.905
3800
3600
3400
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

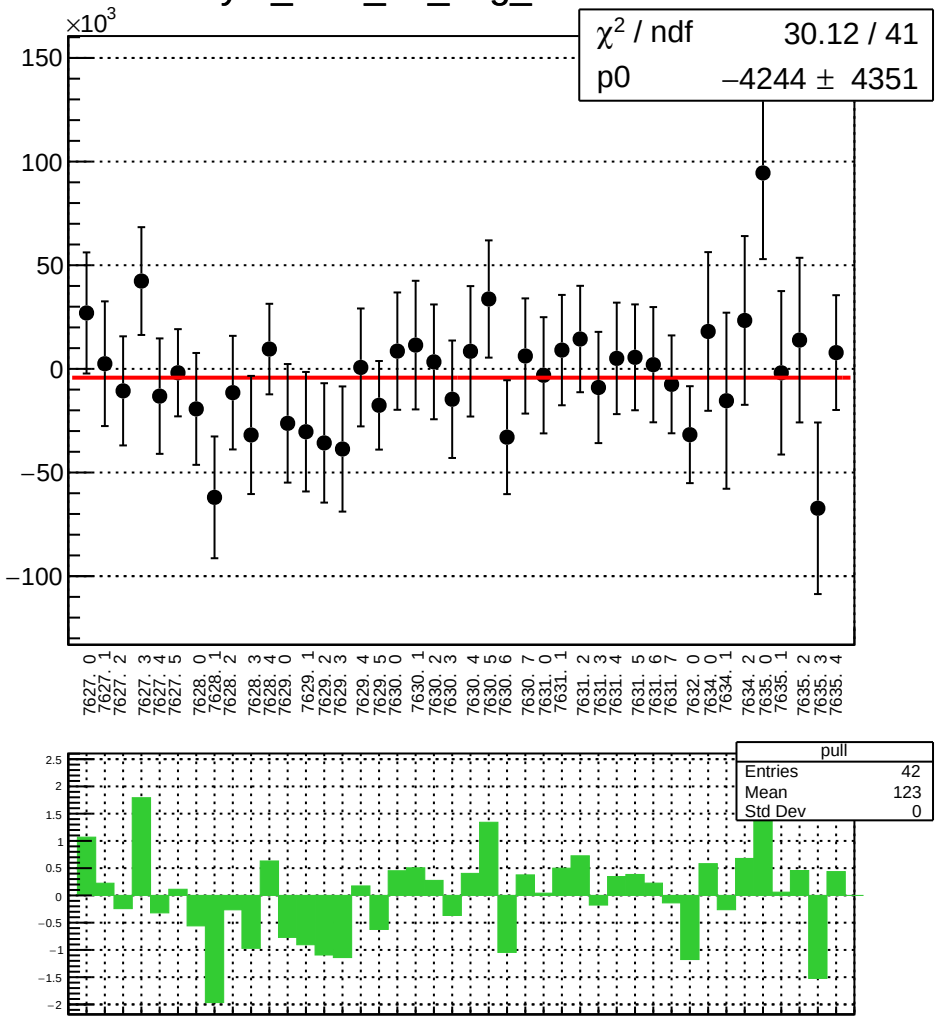

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 37.76 / 41
p0 −567.7 ± 530.2
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.58
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

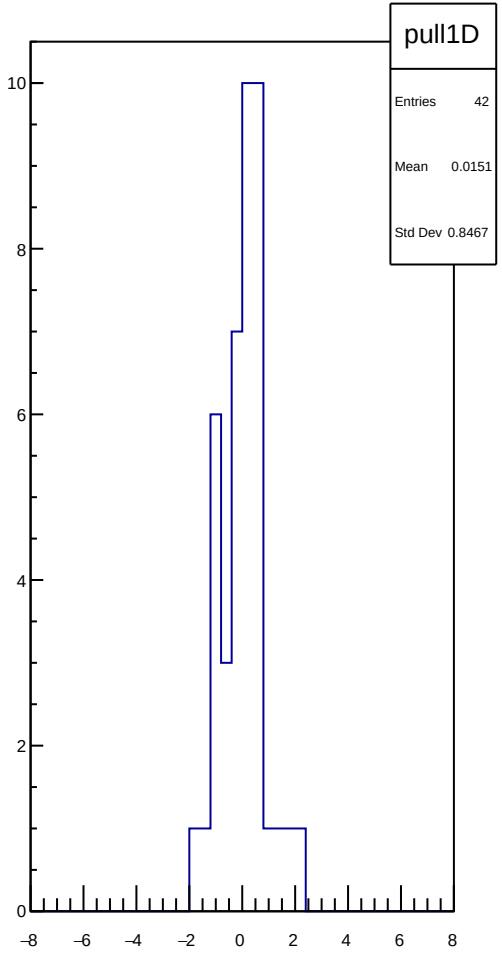

pull1D
Entries 42
Mean −0.01003
Std Dev 0.9481
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

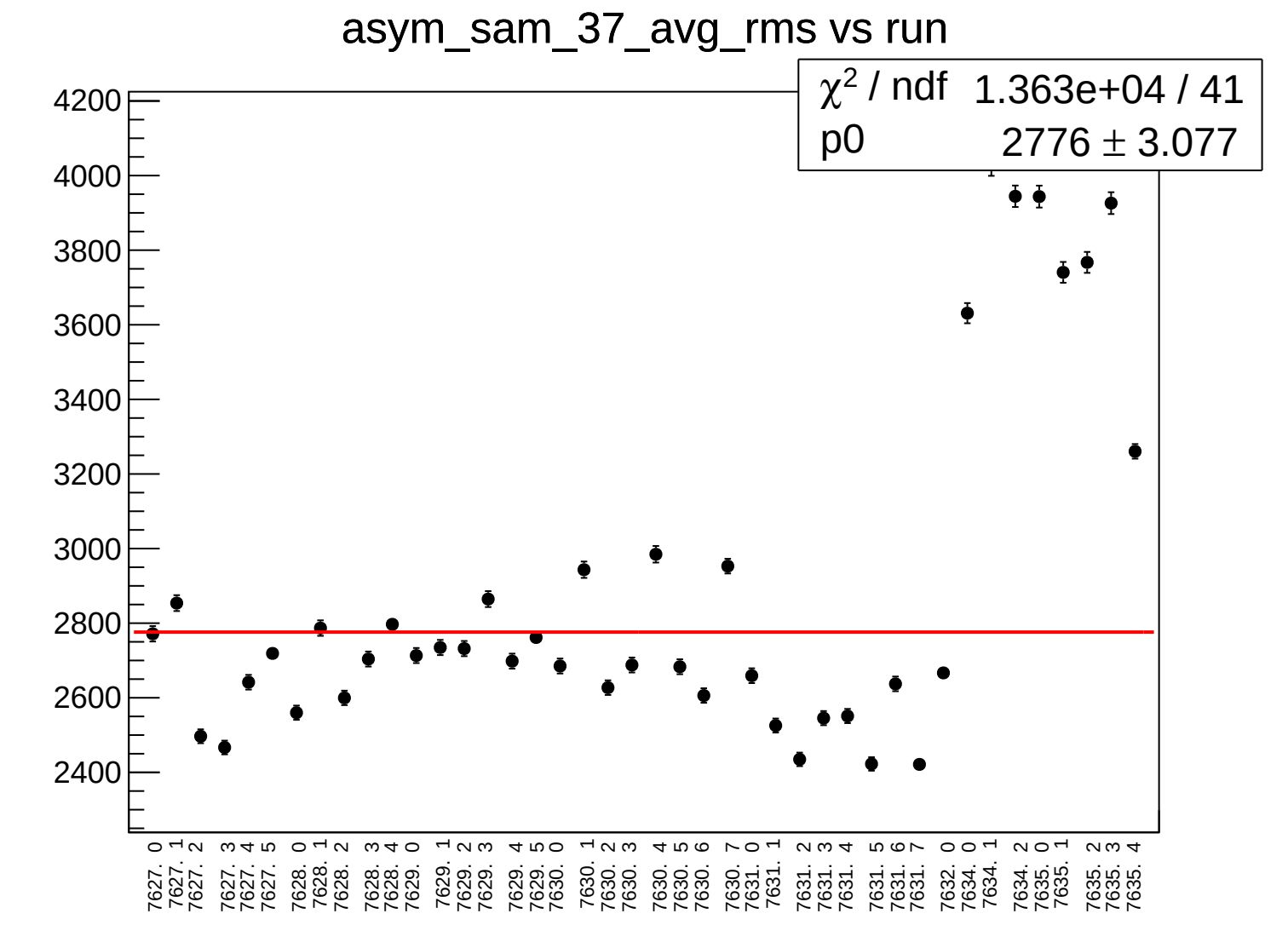

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.711e+04 / 41
p0 333.3 ± 0.3749
700
600
500
400
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

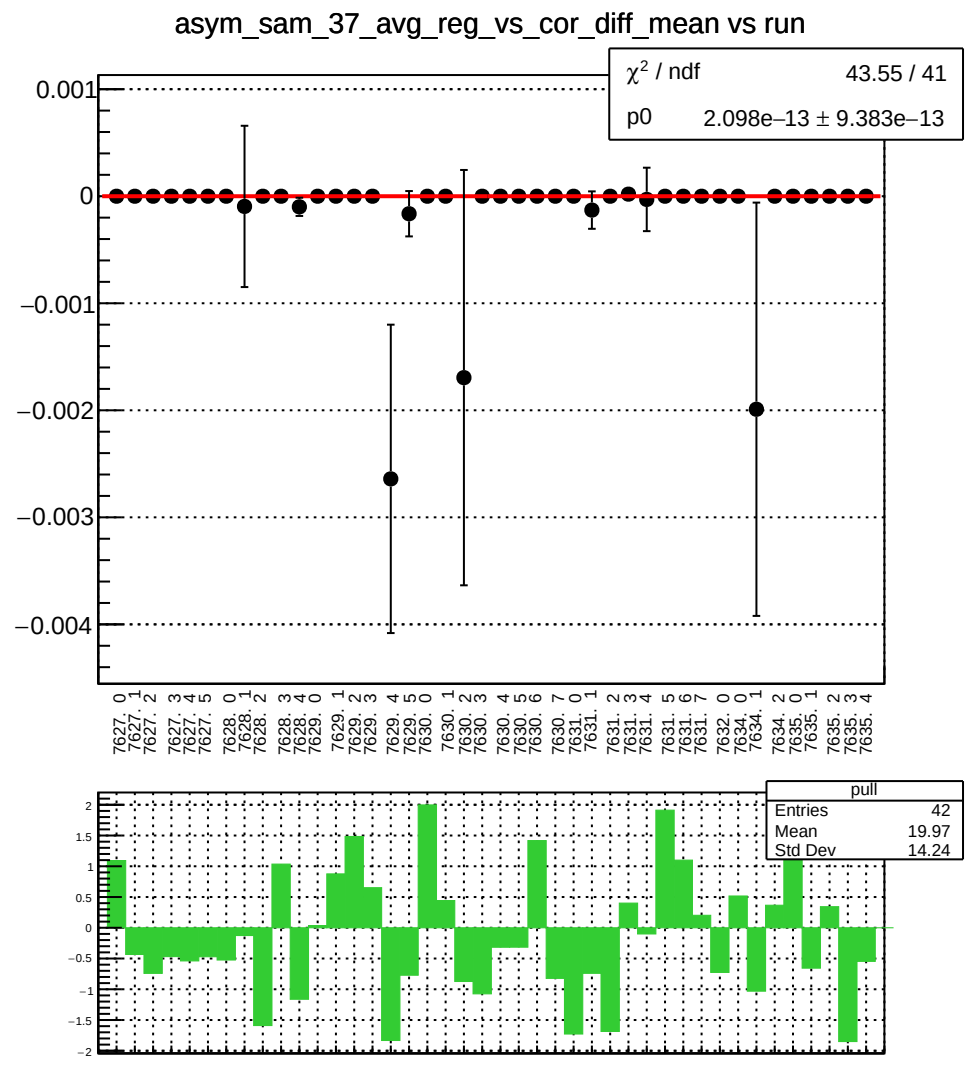

asym_sam_37_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 29.61 / 41
p0 3651 ± 4108
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 114.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01672
Std Dev 0.8395
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

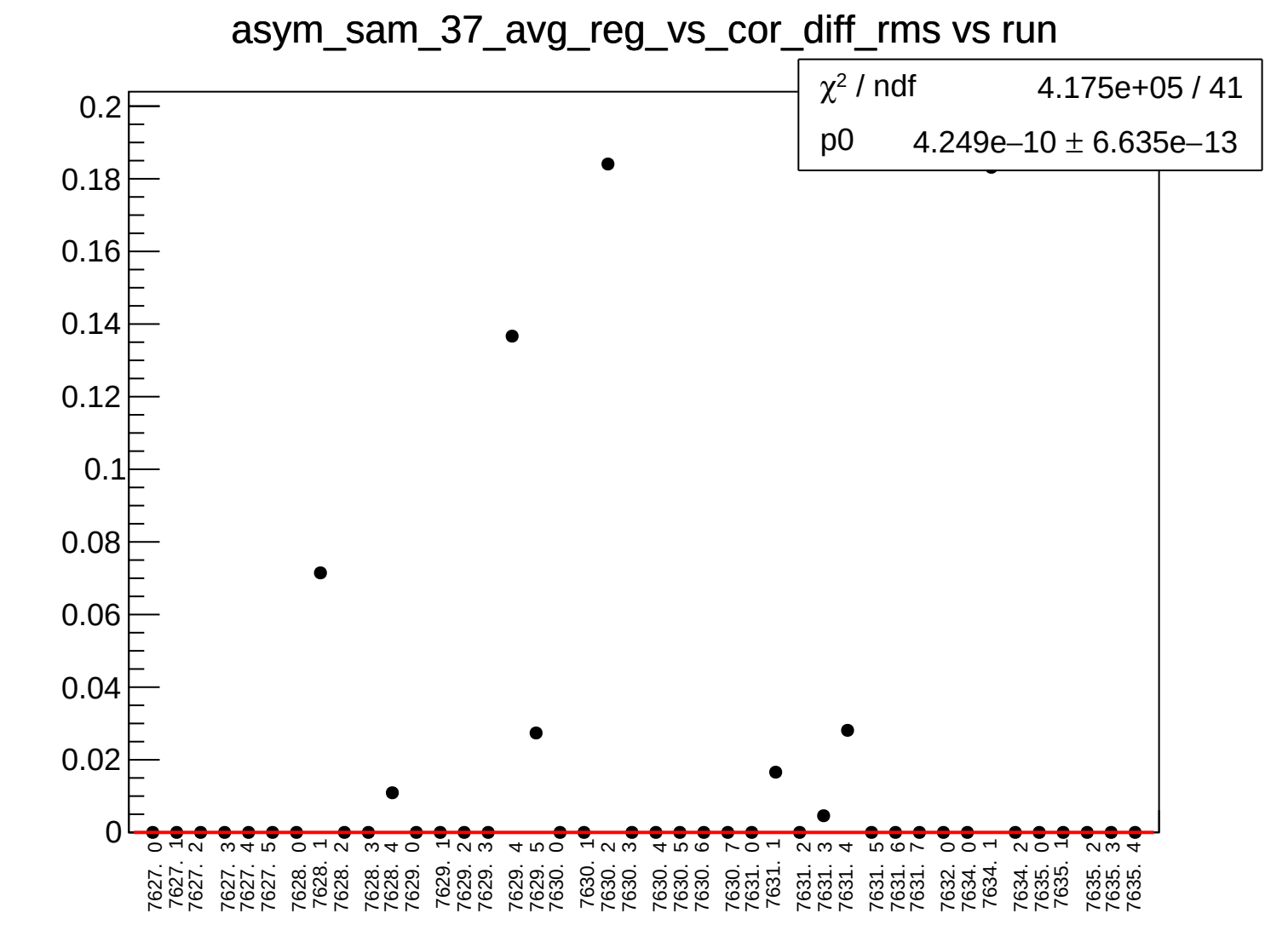

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.411e+04 / 41
p0 2620 ± 2.905
3800
3600
3400
3200
3000
2800
2600
2400
2200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

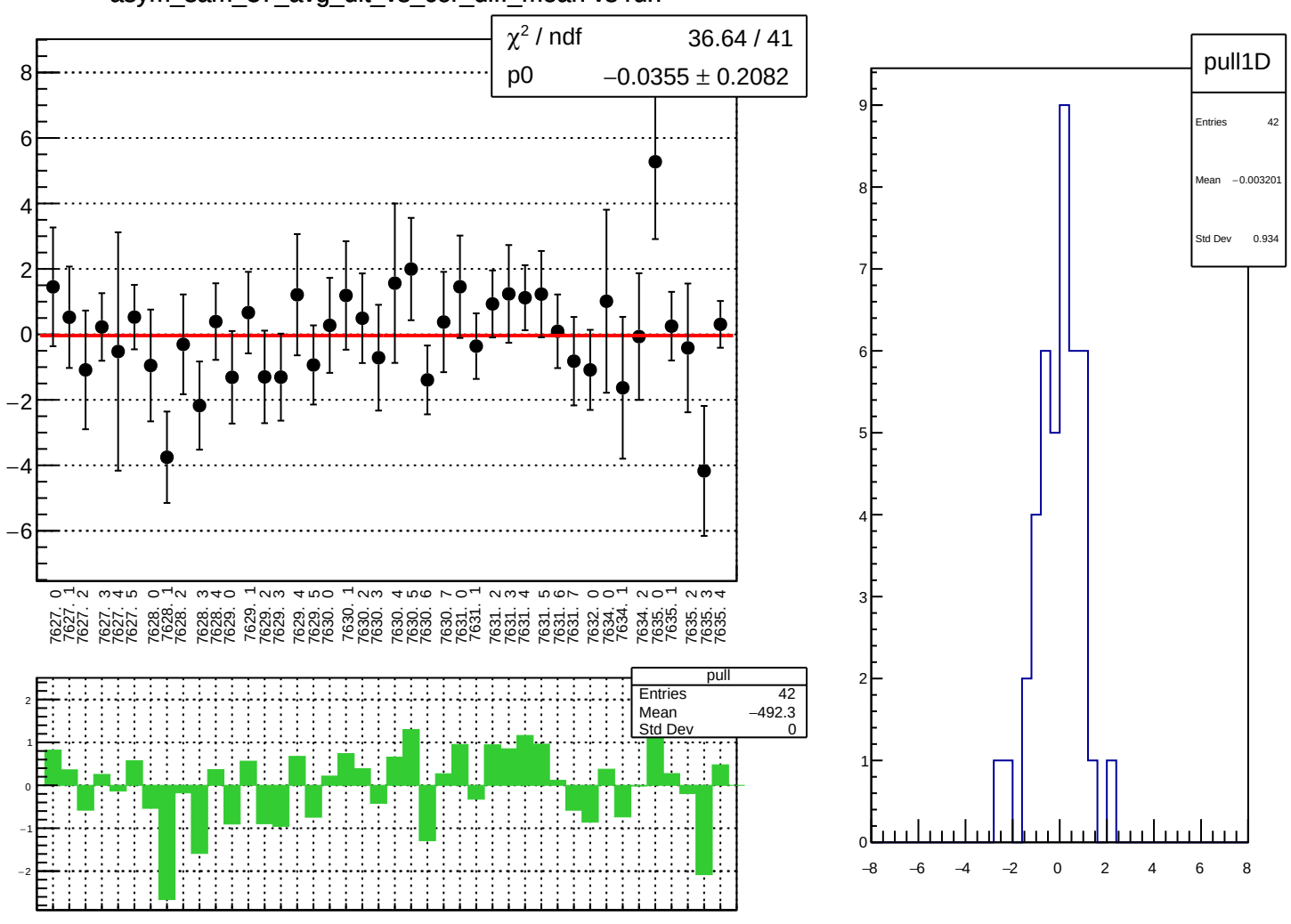

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 30.12 / 41
p0 −4244 ± 4351
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 123
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

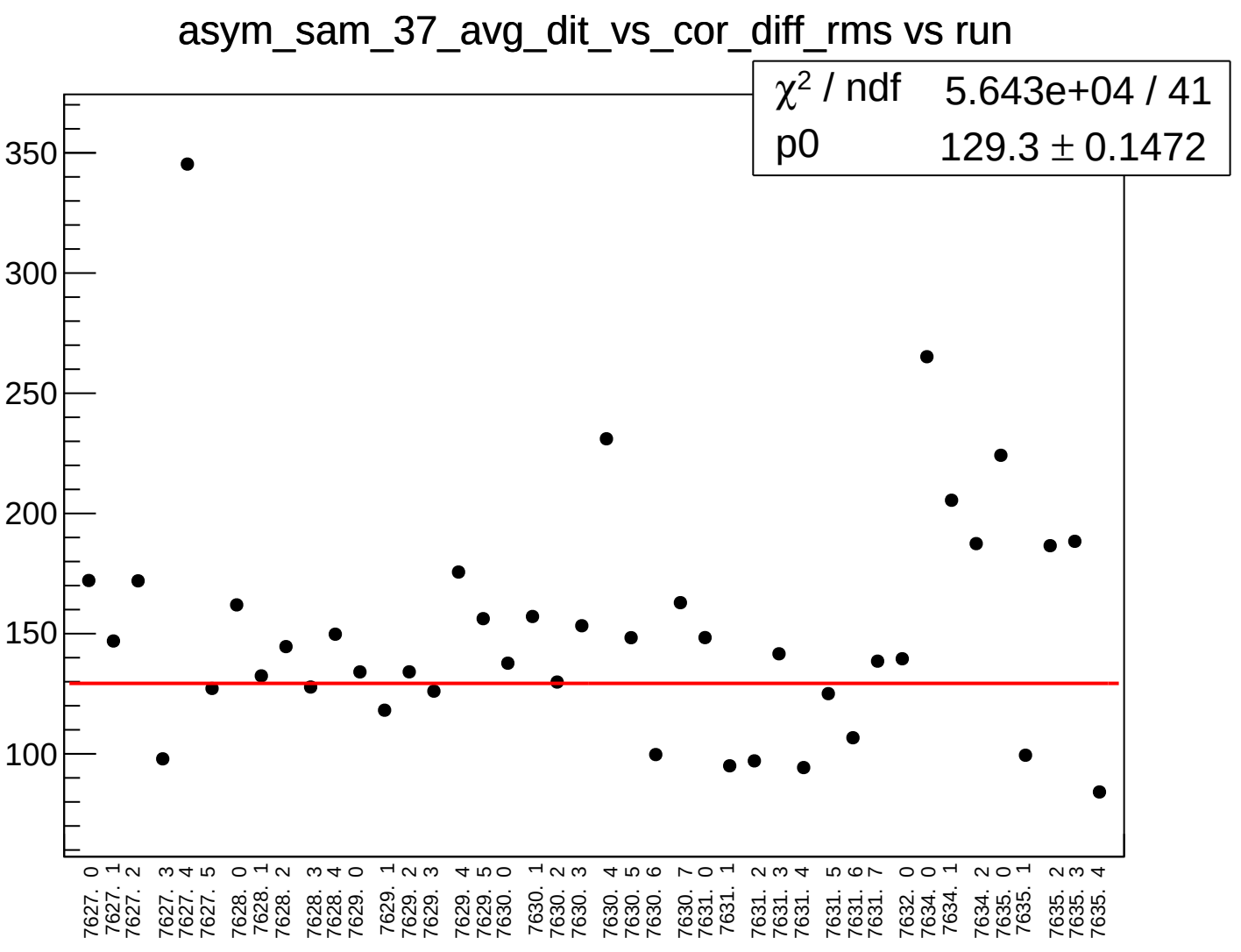

pull1D
Entries 42
Mean 0.0151
Std Dev 0.8467
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

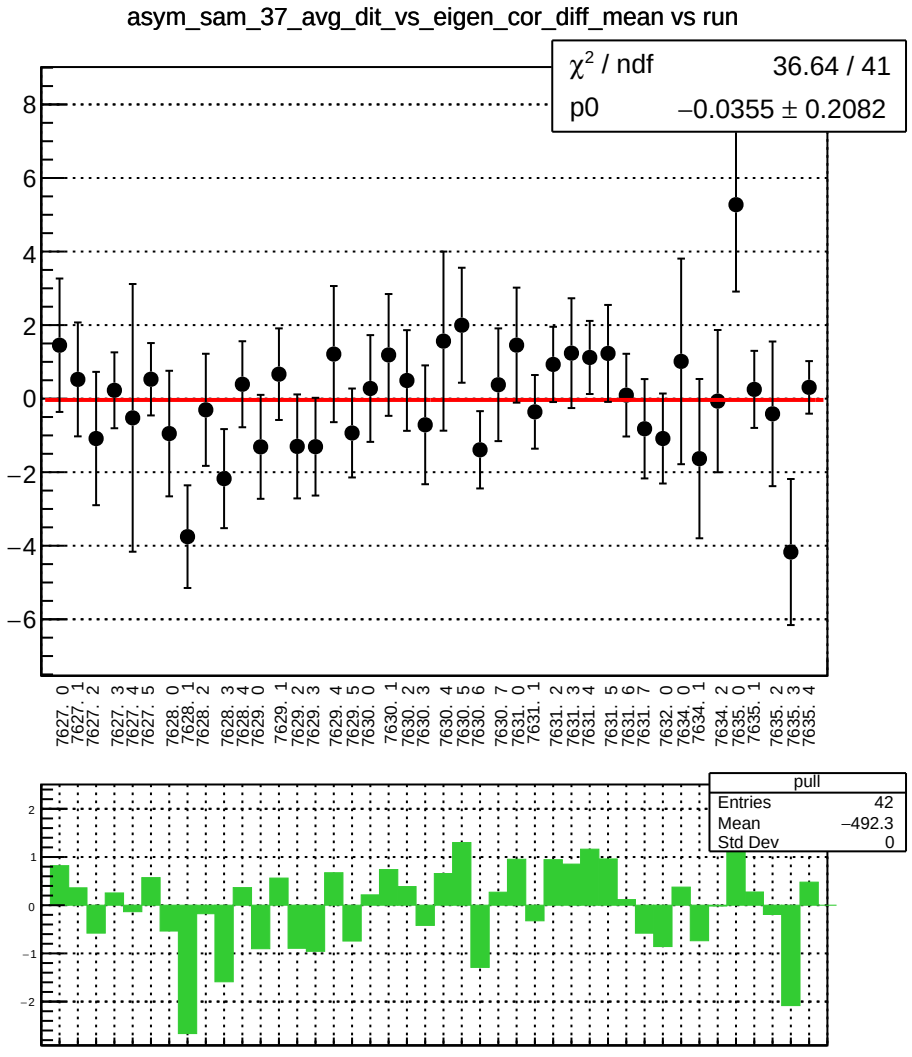

asym_sam_37_avg_rms vs run
χ² / ndf 1.363e+04 / 41
p0 2776 ± 3.077
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

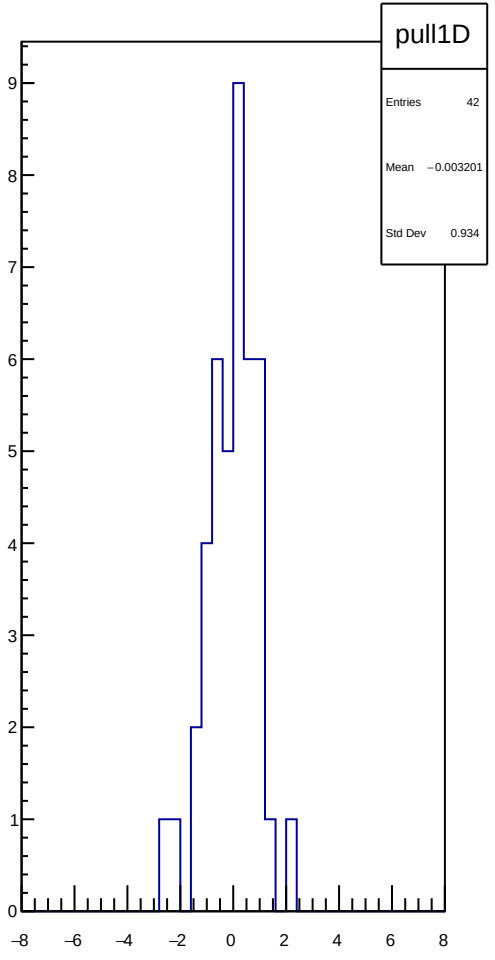

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.55 / 41
p0 2.098e−13 ± 9.383e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 19.97
Std Dev 14.24
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.1428
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

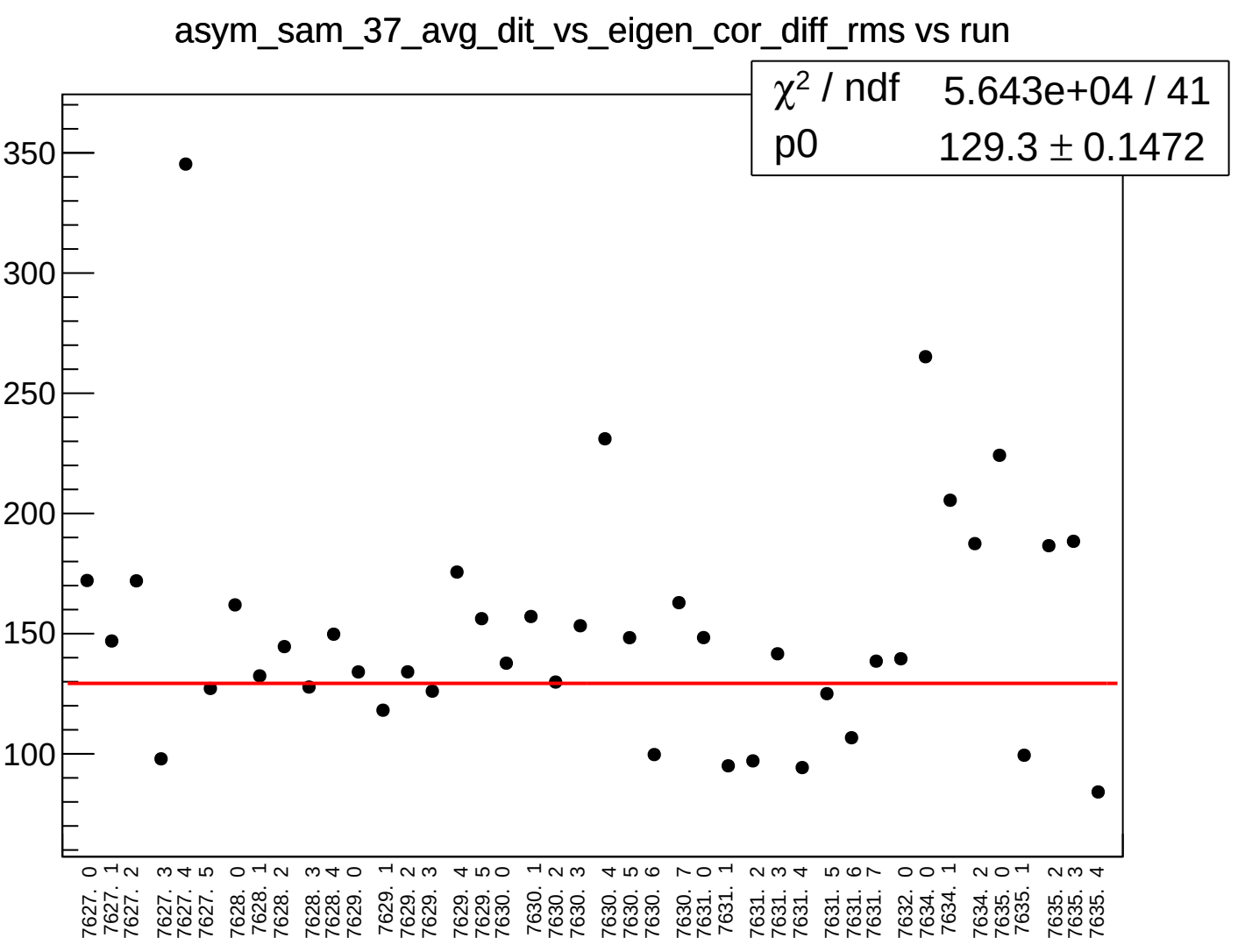

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.175e+05 / 41
p0 4.249e−10 ± 6.635e−13
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

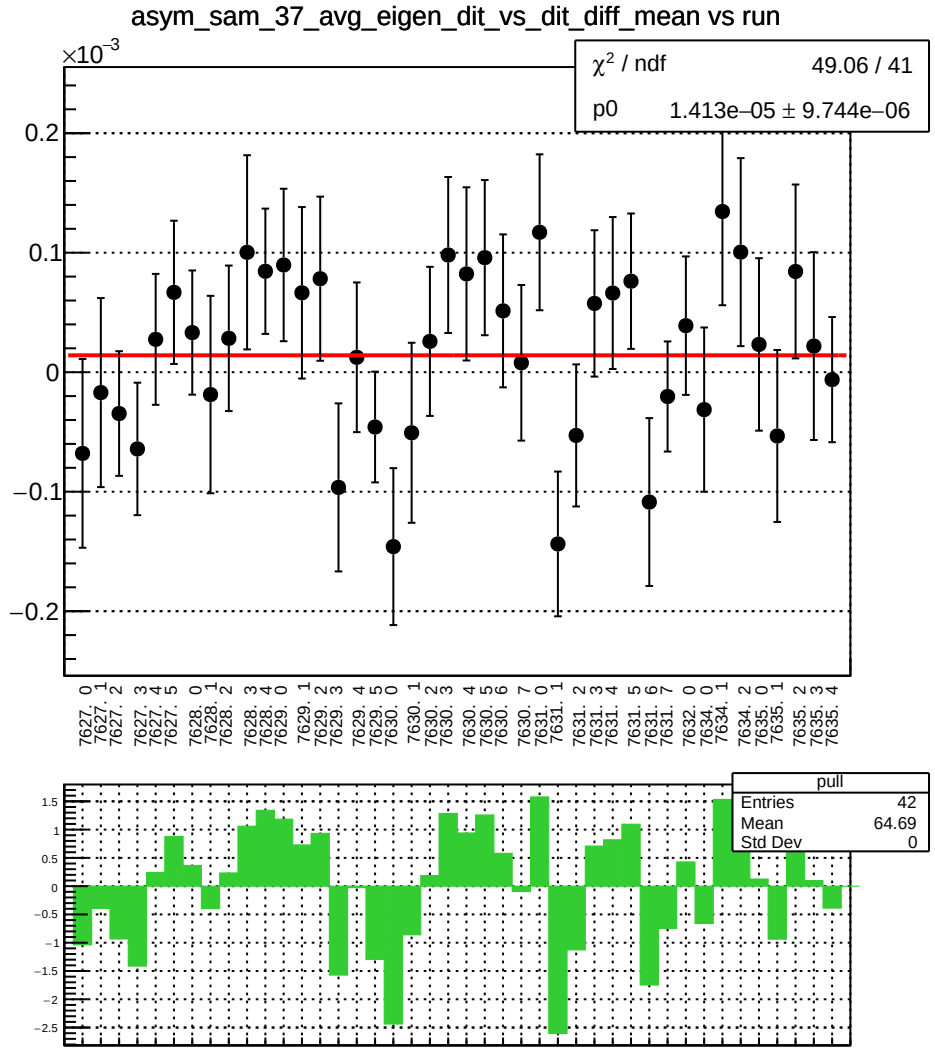

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 36.64 / 41
p0 −0.0355 ± 0.2082
pull
Entries 42
Mean −492.3
Std Dev 0
pull1D
Entries 42
Mean −0.003201
Std Dev 0.934

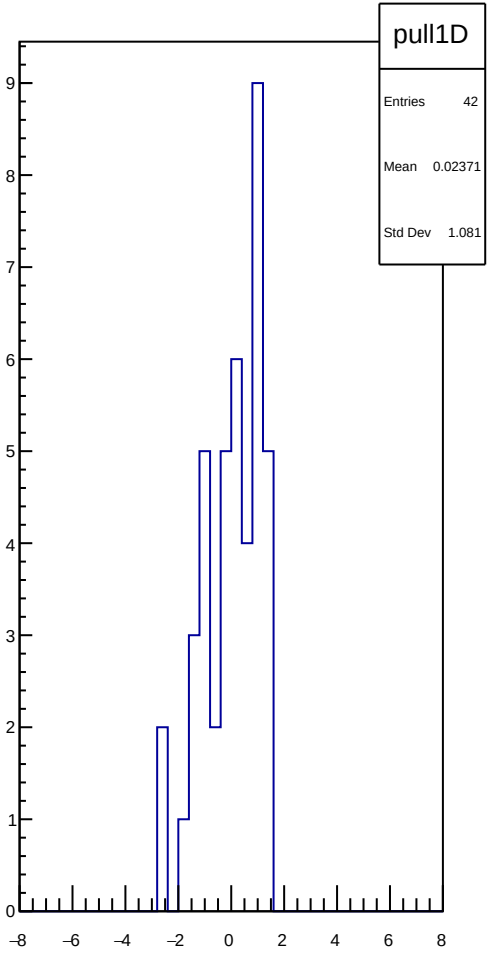

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.643e+04 / 41
p0 129.3 ± 0.1472
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

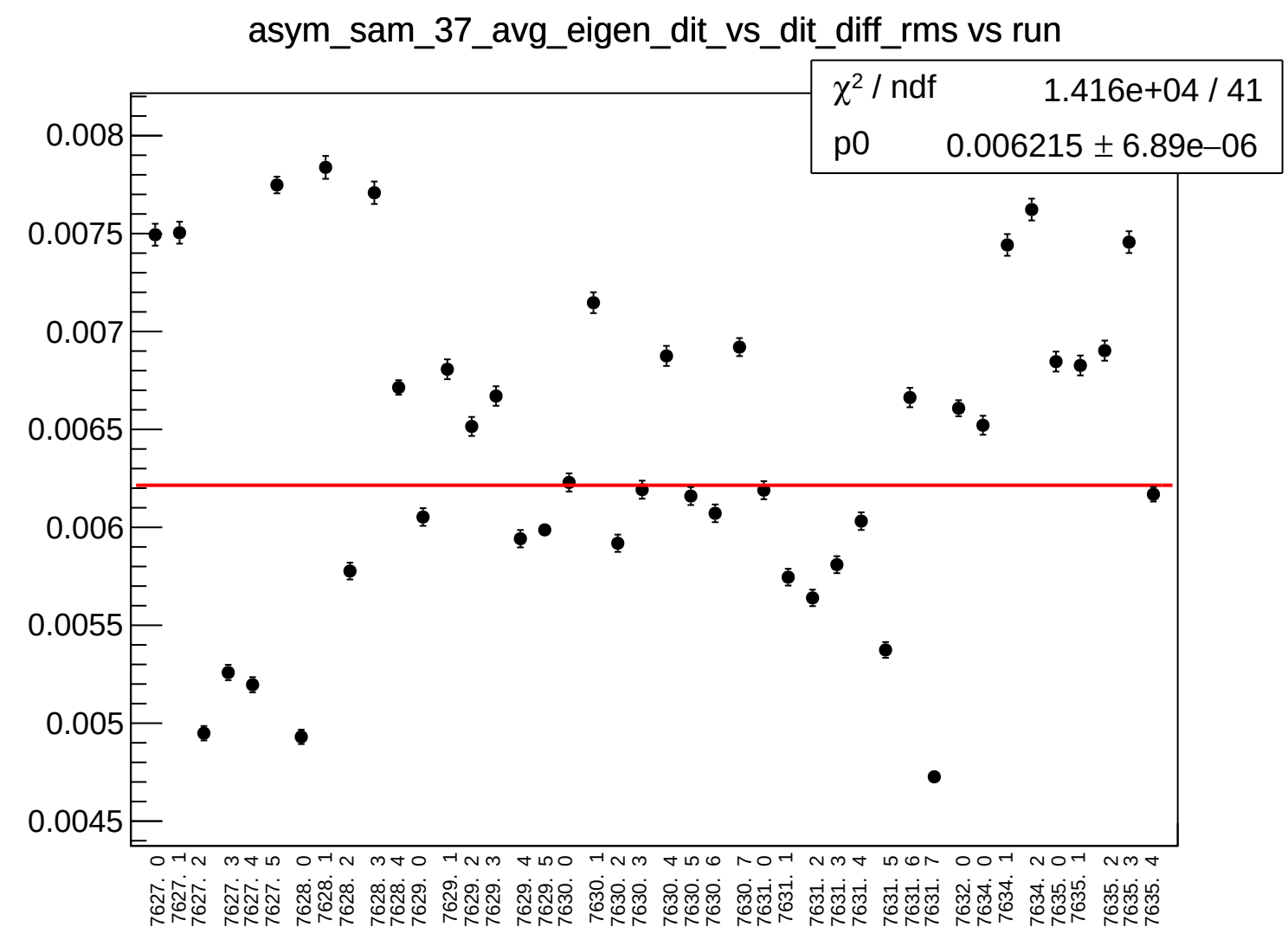

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.64 / 41
p0 −0.0355 ± 0.2082
pull
Entries 42
Mean −492.3
Std Dev 0

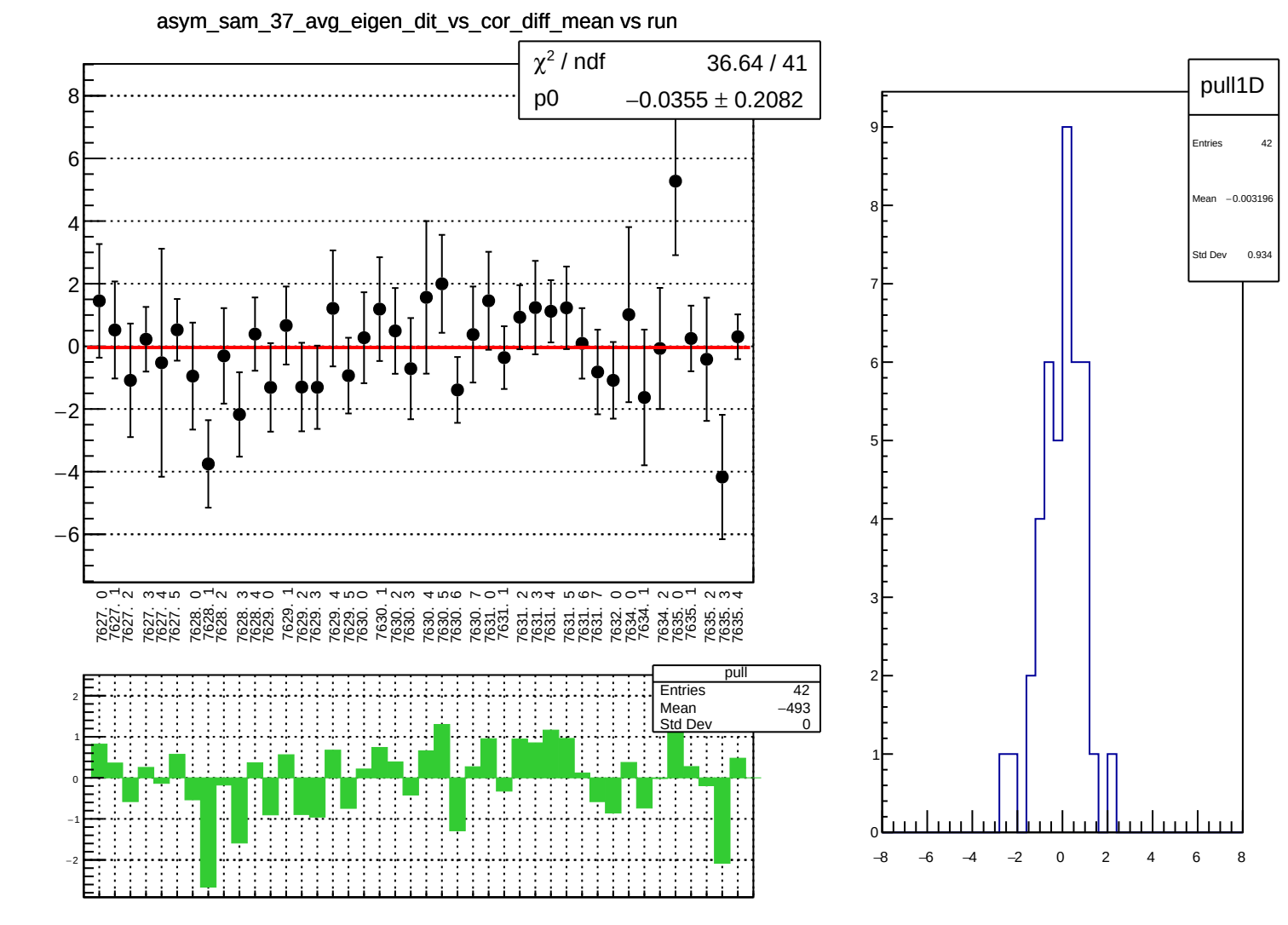

pull1D
Entries 42
Mean −0.003201
Std Dev 0.934

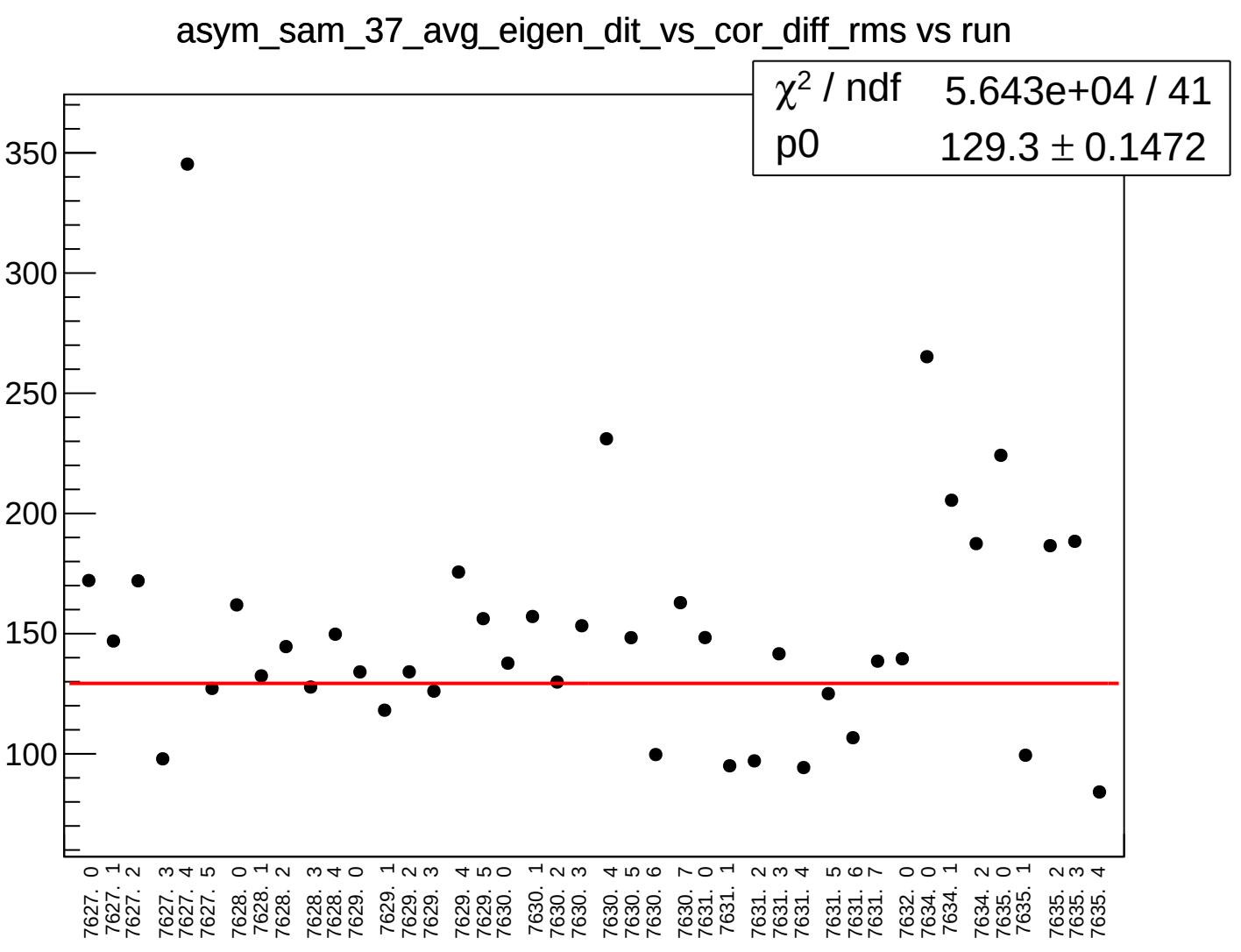

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.643e+04 / 41
p0 129.3 ± 0.1472
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

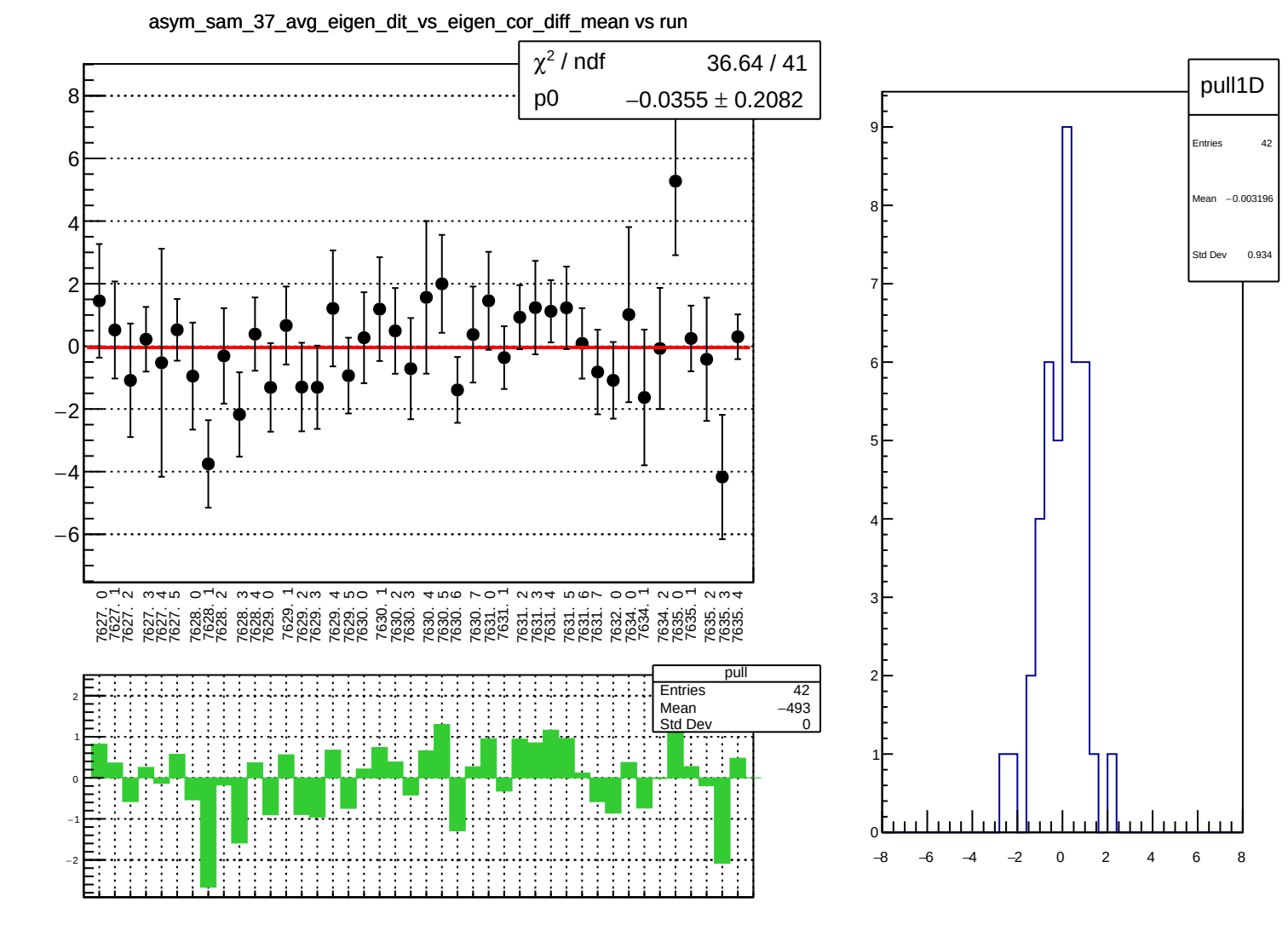

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.06 / 41
p0 1.413e−05 ± 9.744e−06
0.2
0.1
0
−0.1
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 64.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

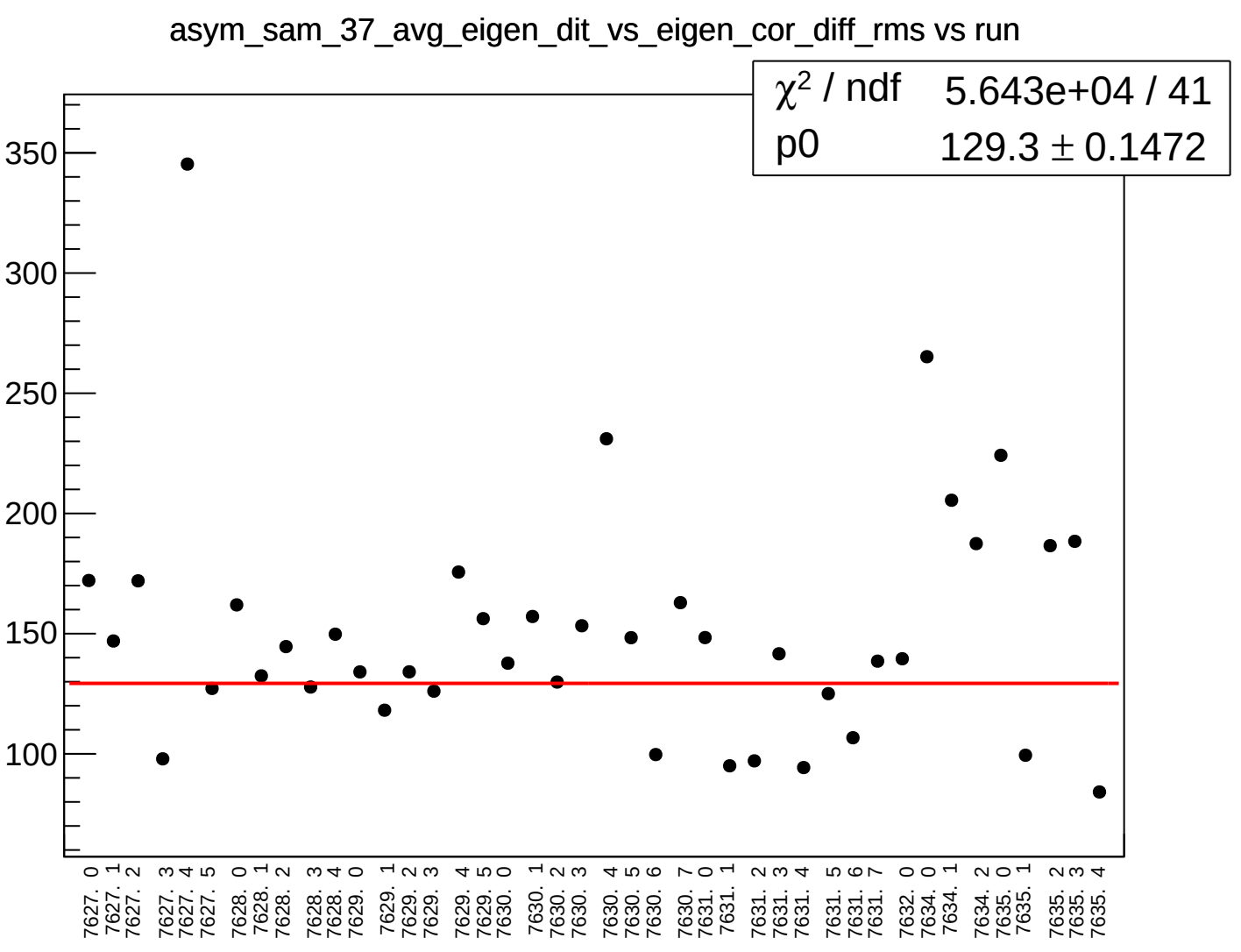

pull1D
Entries 42
Mean 0.02371
Std Dev 1.081
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

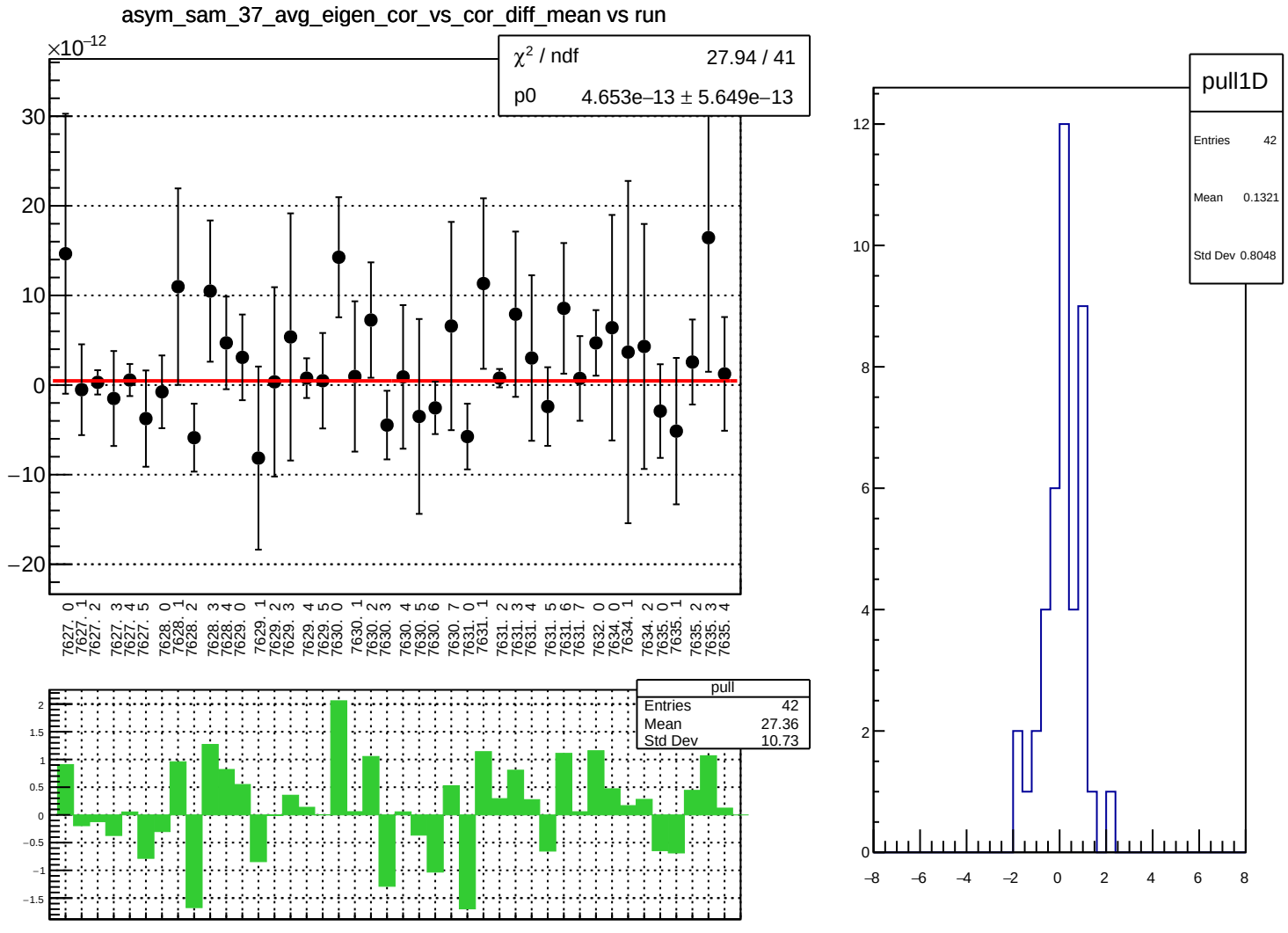

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.416e+04 / 41
p0 0.006215 ± 6.89e−06
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

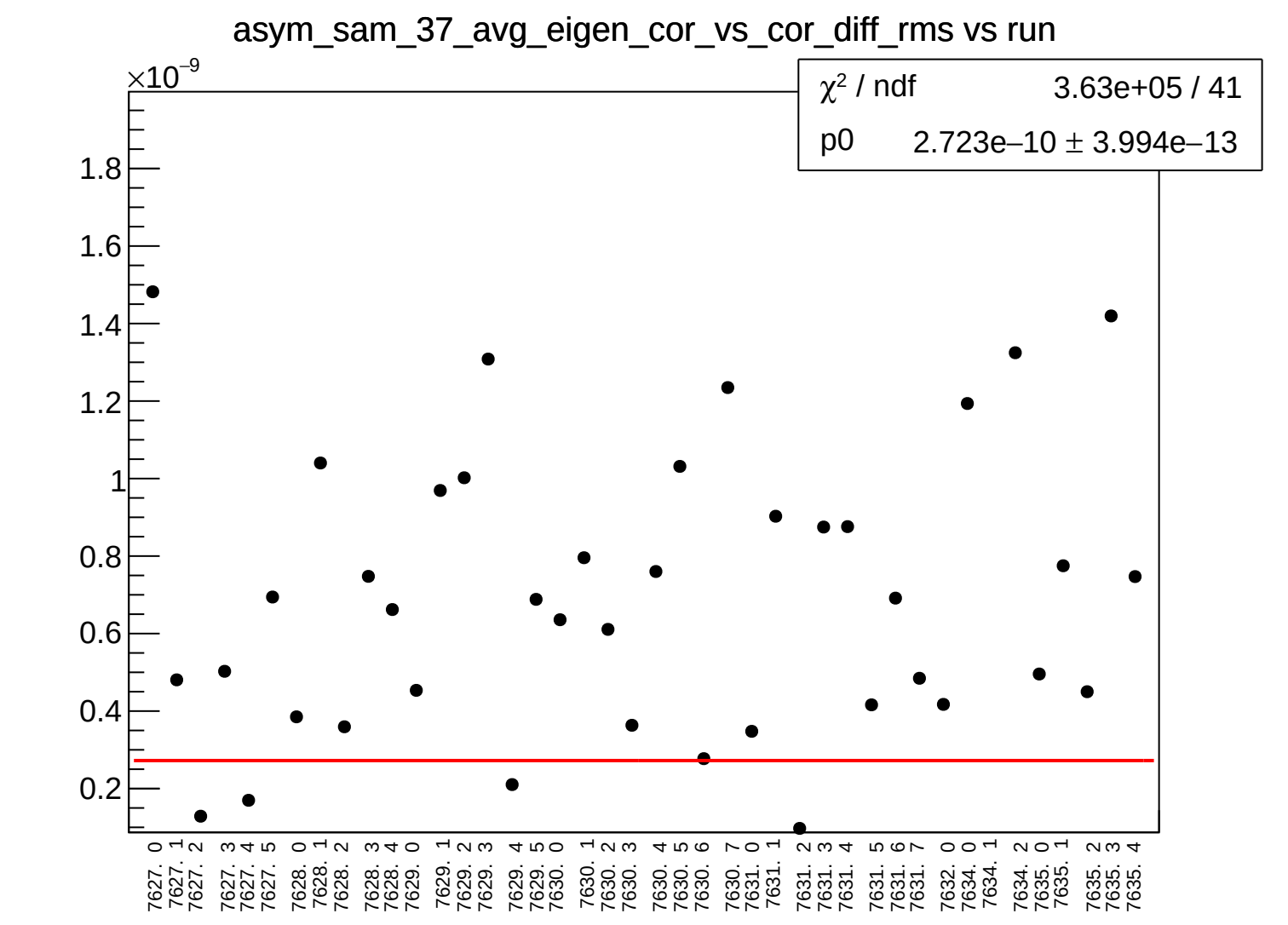

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.64 / 41
p0 −0.0355 ± 0.2082
pull
Entries 42
Mean −493
Std Dev 0
pull1D
Entries 42
Mean −0.003196
Std Dev 0.934

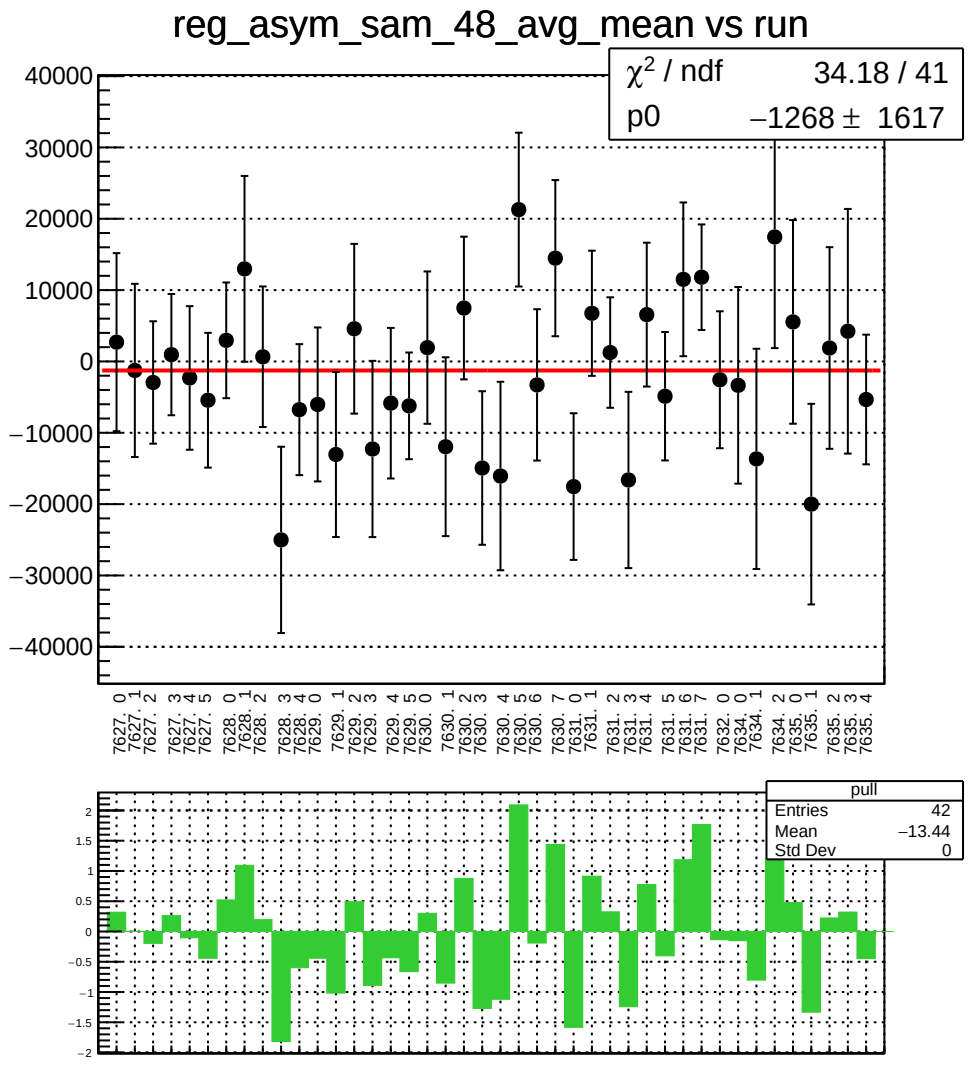

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.643e+04 / 41
p0 129.3 ± 0.1472
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

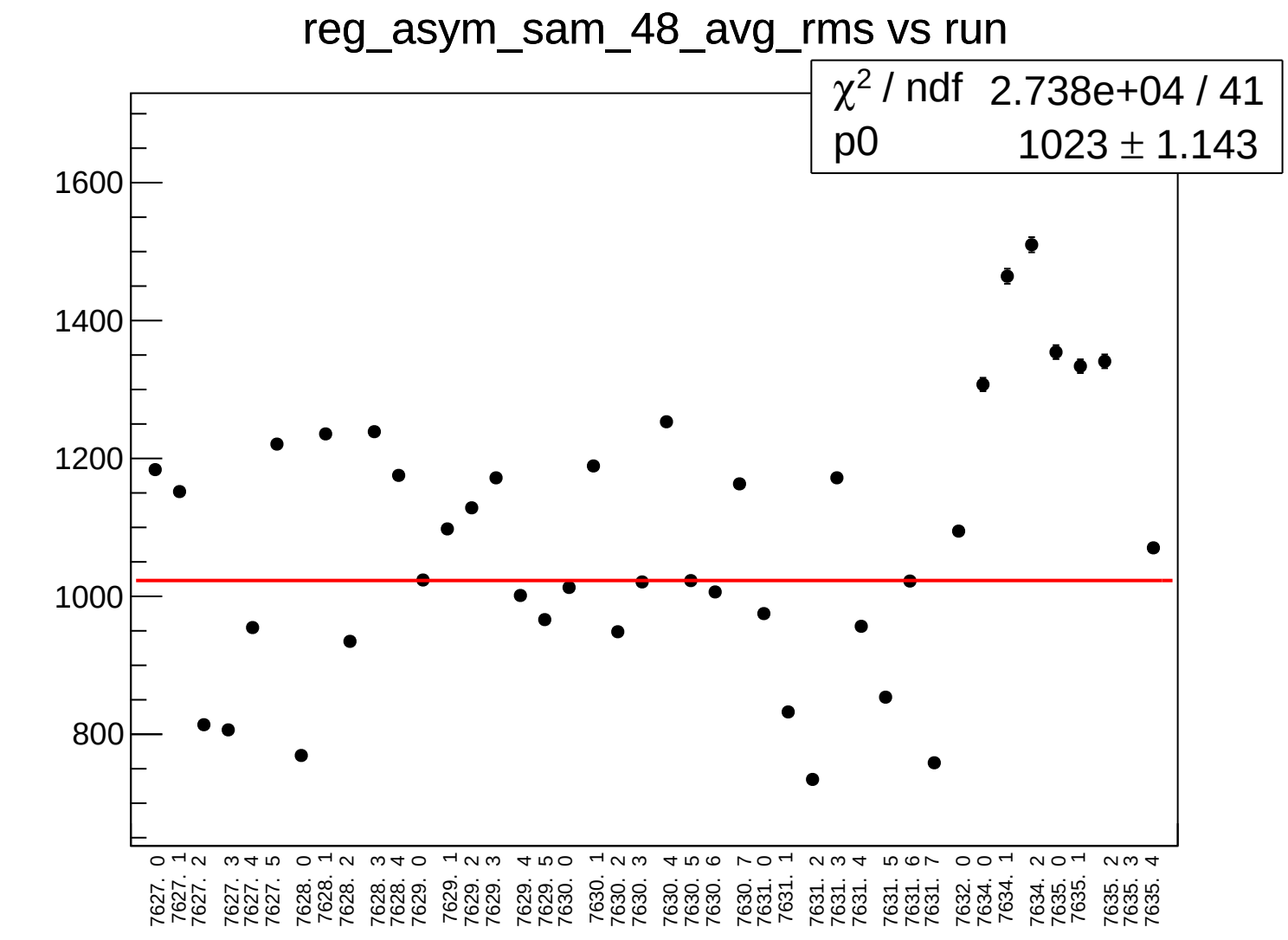

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.64 / 41
p0 −0.0355 ± 0.2082
pull
Entries 42
Mean −493
Std Dev 0
pull1D
Entries 42
Mean −0.003196
Std Dev 0.934

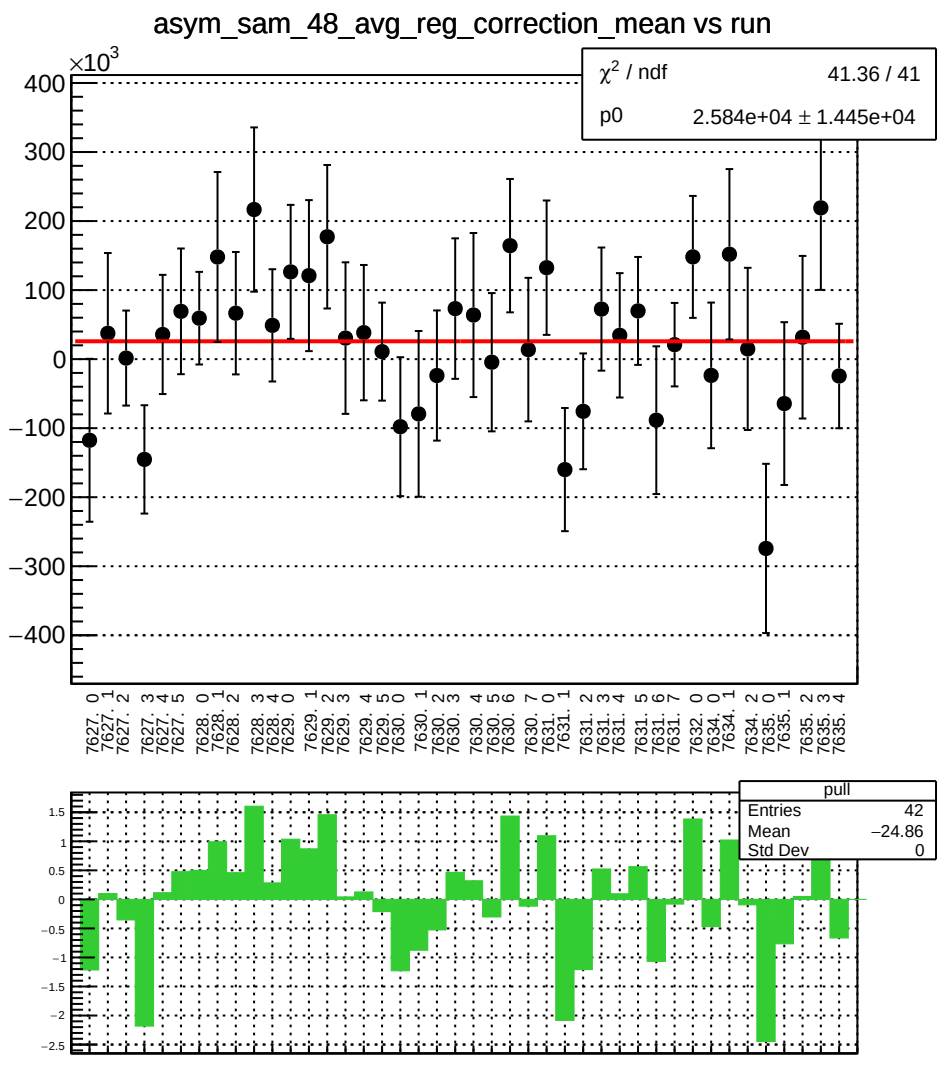

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.643e+04 / 41
p0 129.3 ± 0.1472
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

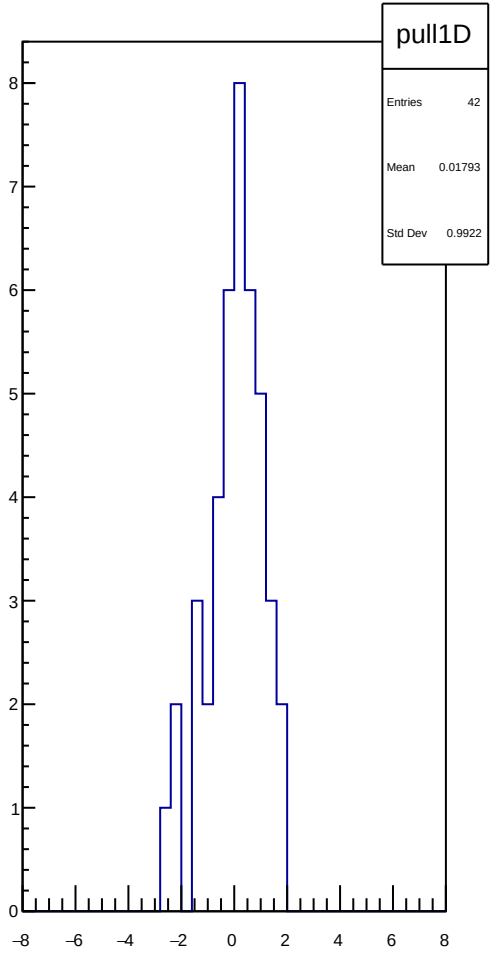

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.94 / 41
p0 4.653e−13 ± 5.649e−13
30
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 27.36
Std Dev 10.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.1321
Std Dev 0.8048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

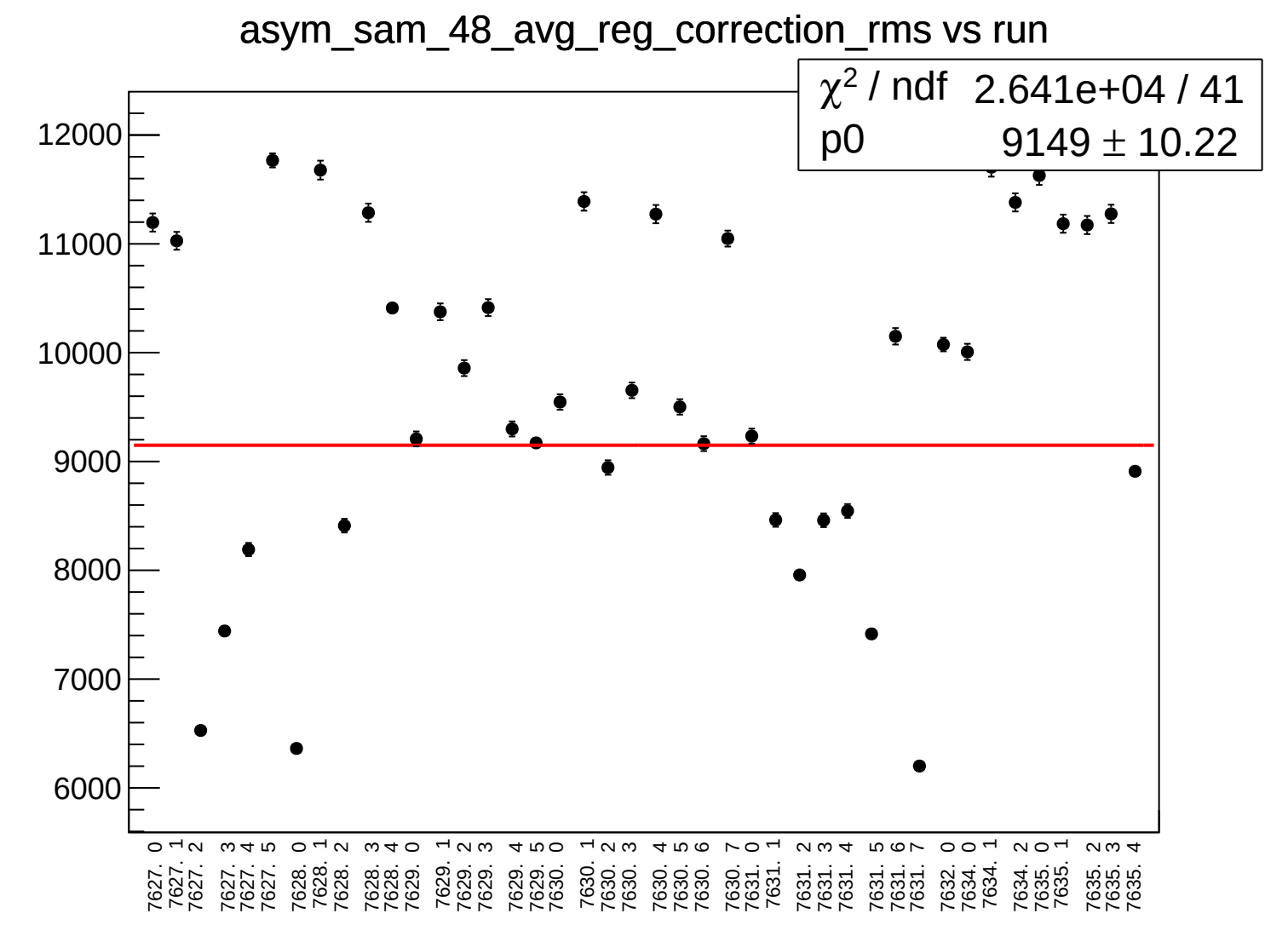

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.63e+05 / 41
p0 2.723e−10 ± 3.994e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

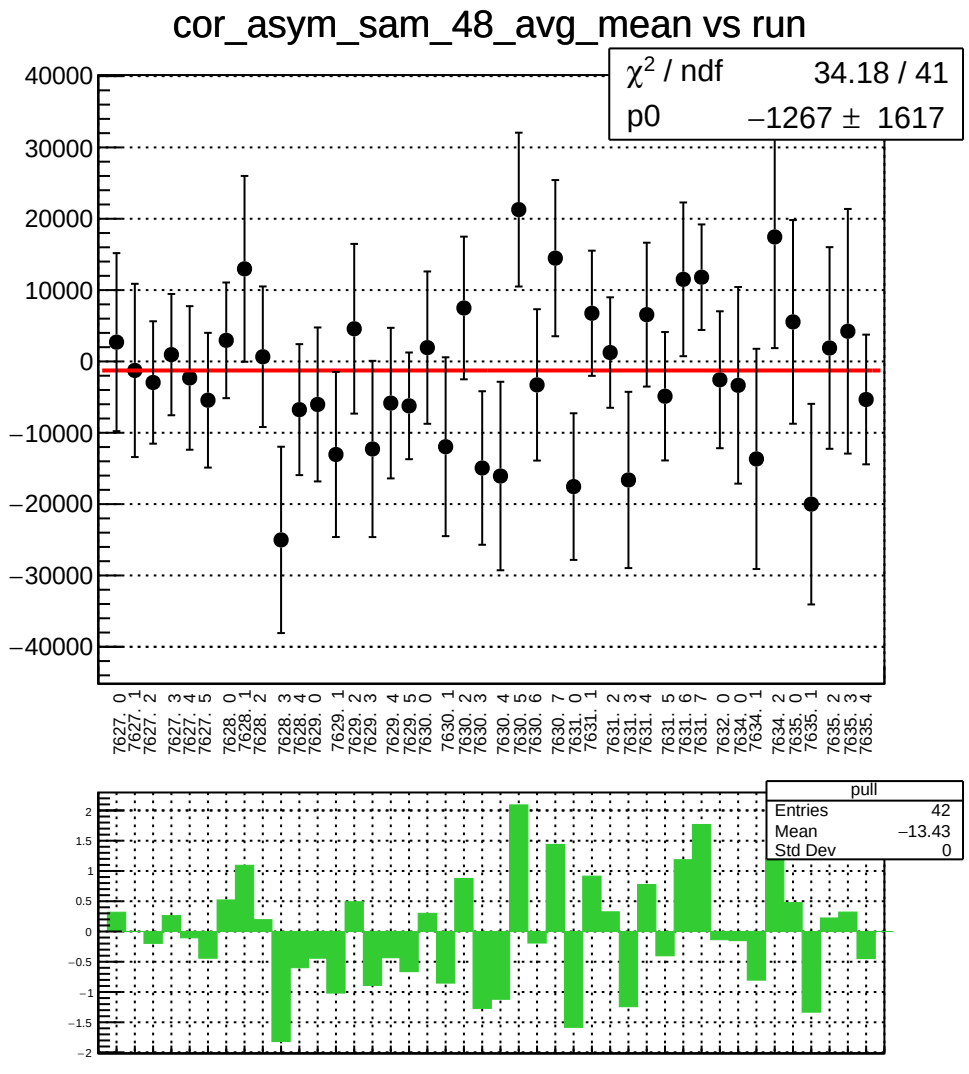

reg_asym_sam_48_avg_mean vs run
χ² / ndf 34.18 / 41
p0 −1268 ± 1617
pull
Entries 42
Mean −13.44
Std Dev 0
pull1D
Entries 42
Mean −0.03223
Std Dev 0.9015

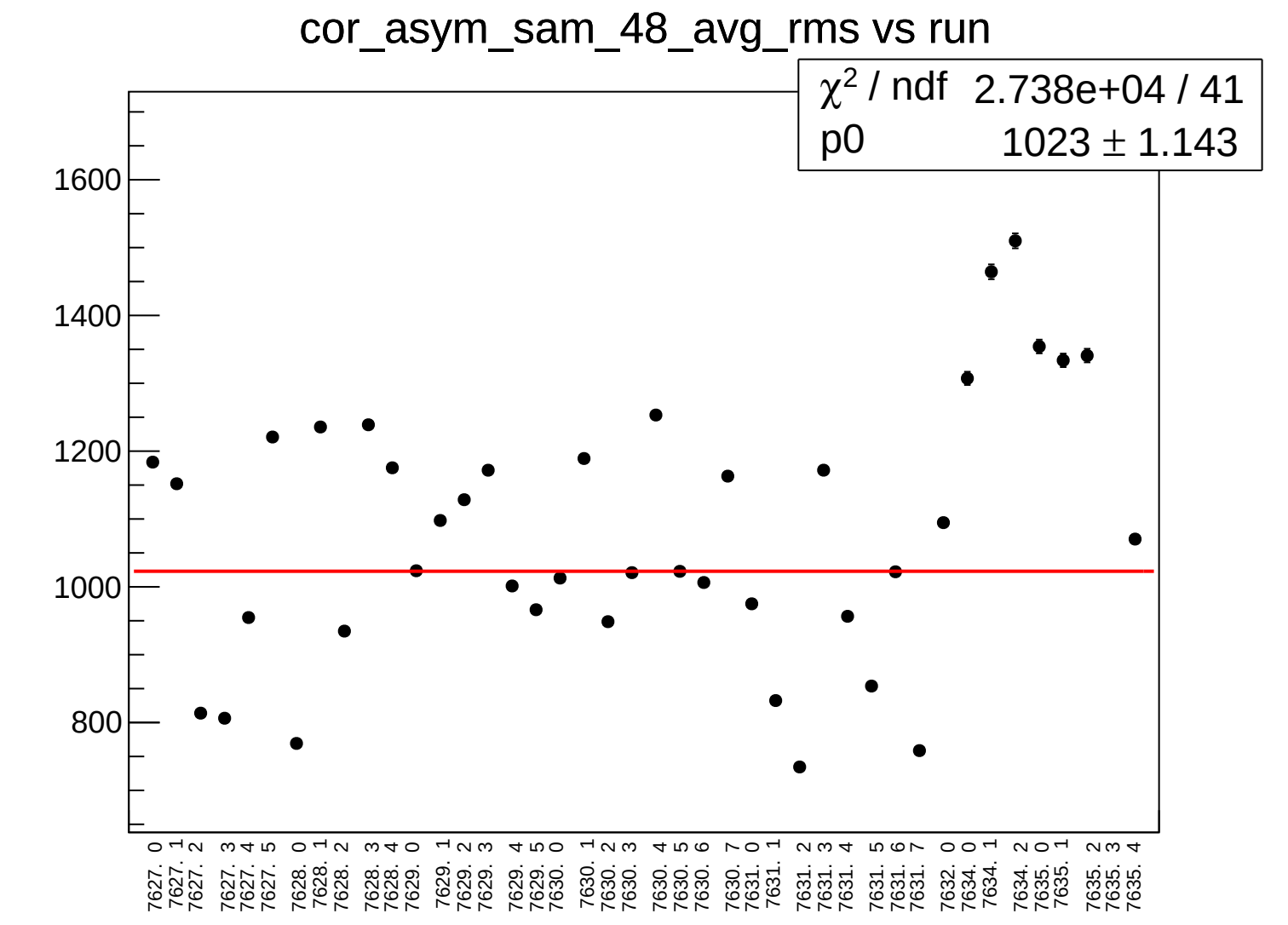

reg_asym_sam_48_avg_rms vs run
χ² / ndf 2.738e+04 / 41
p0 1023 ± 1.143
1600
1400
1200
1000
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

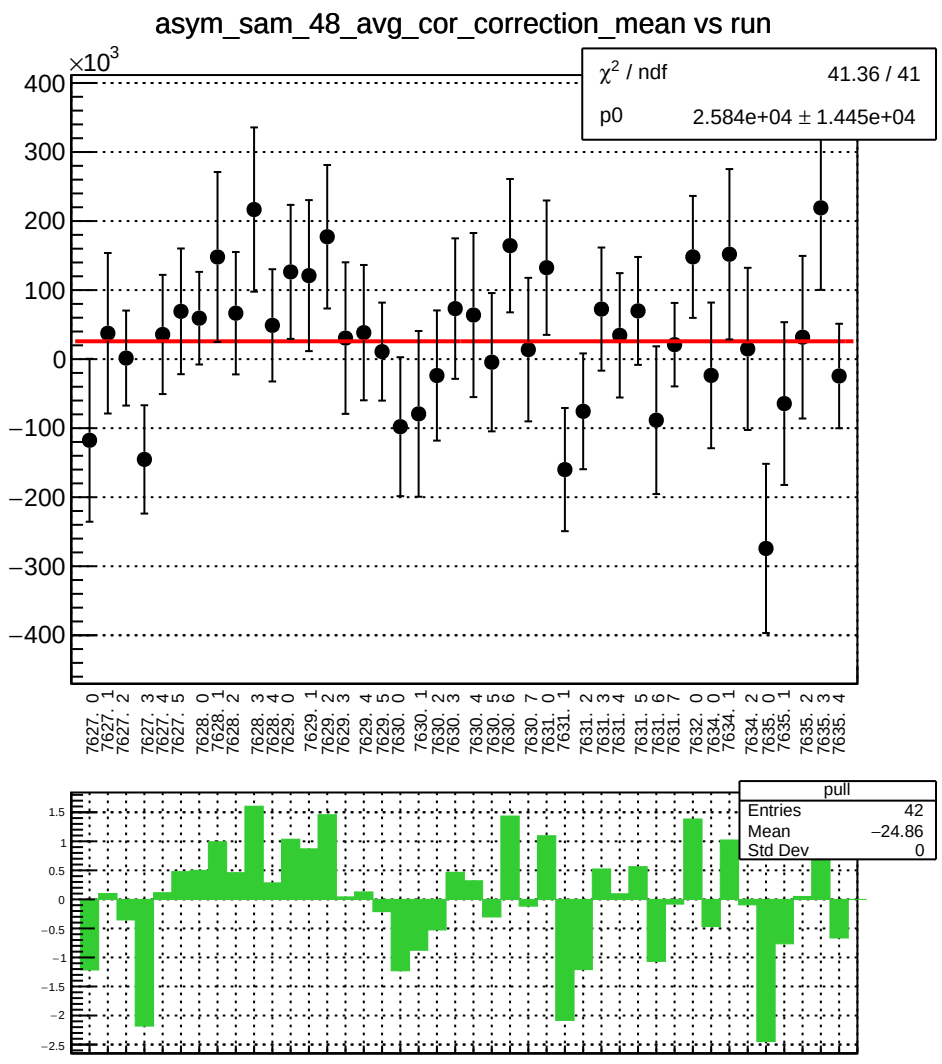

asym_sam_48_avg_reg_correction_mean vs run
×10^3
χ² / ndf 41.36 / 41
p0 2.584e+04 ± 1.445e+04
pull
Entries 42
Mean −24.86
Std Dev 0

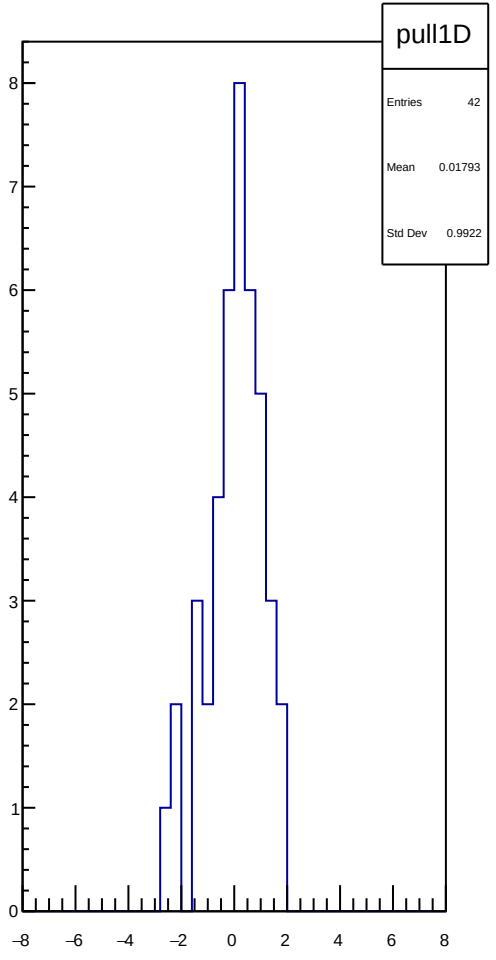

pull1D
Entries 42
Mean 0.01793
Std Dev 0.9922

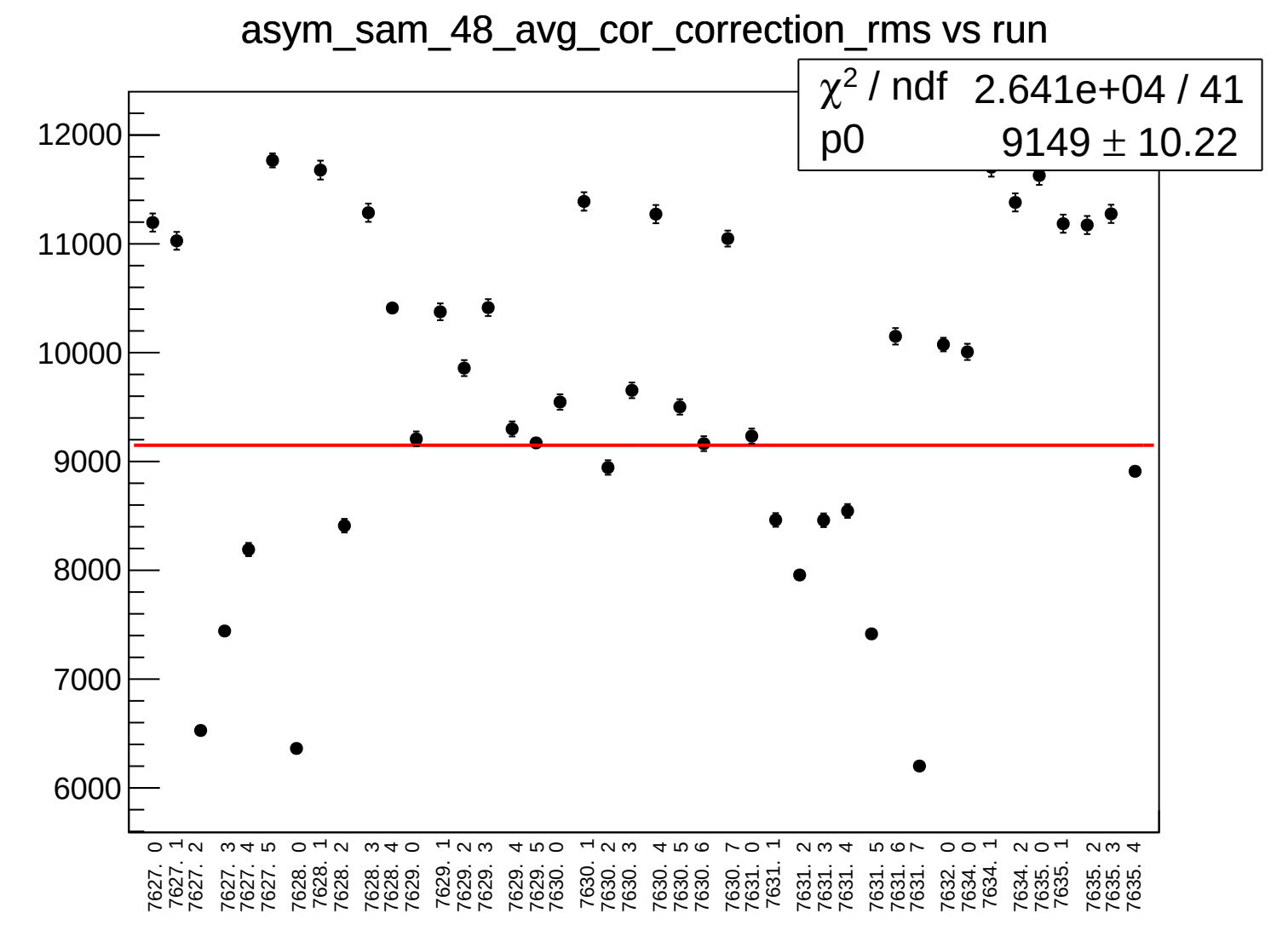

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 2.641e+04 / 41
p0 9149 ± 10.22
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

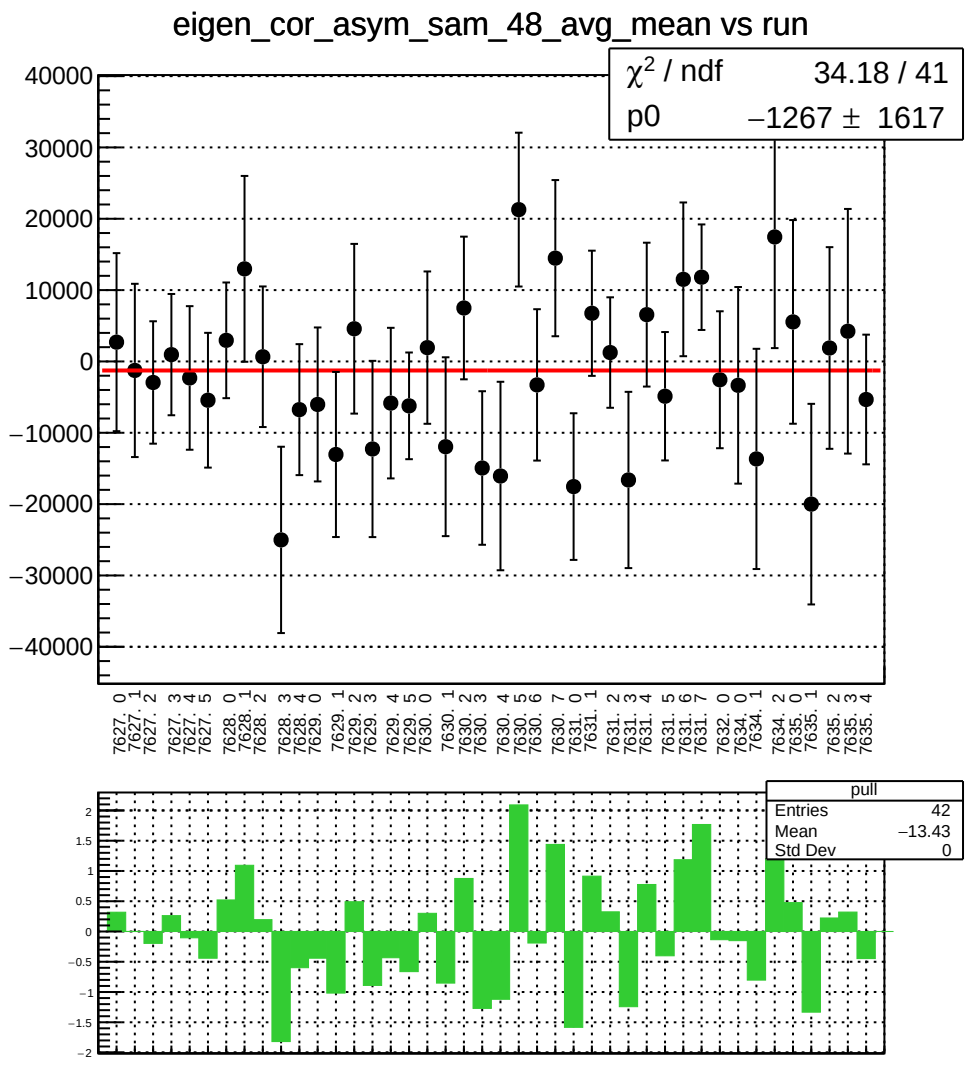

cor_asym_sam_48_avg_mean vs run
χ² / ndf 34.18 / 41
p0 −1267 ± 1617
pull
Entries 42
Mean −13.43
Std Dev 0
pull1D
Entries 42
Mean −0.03223
Std Dev 0.9015

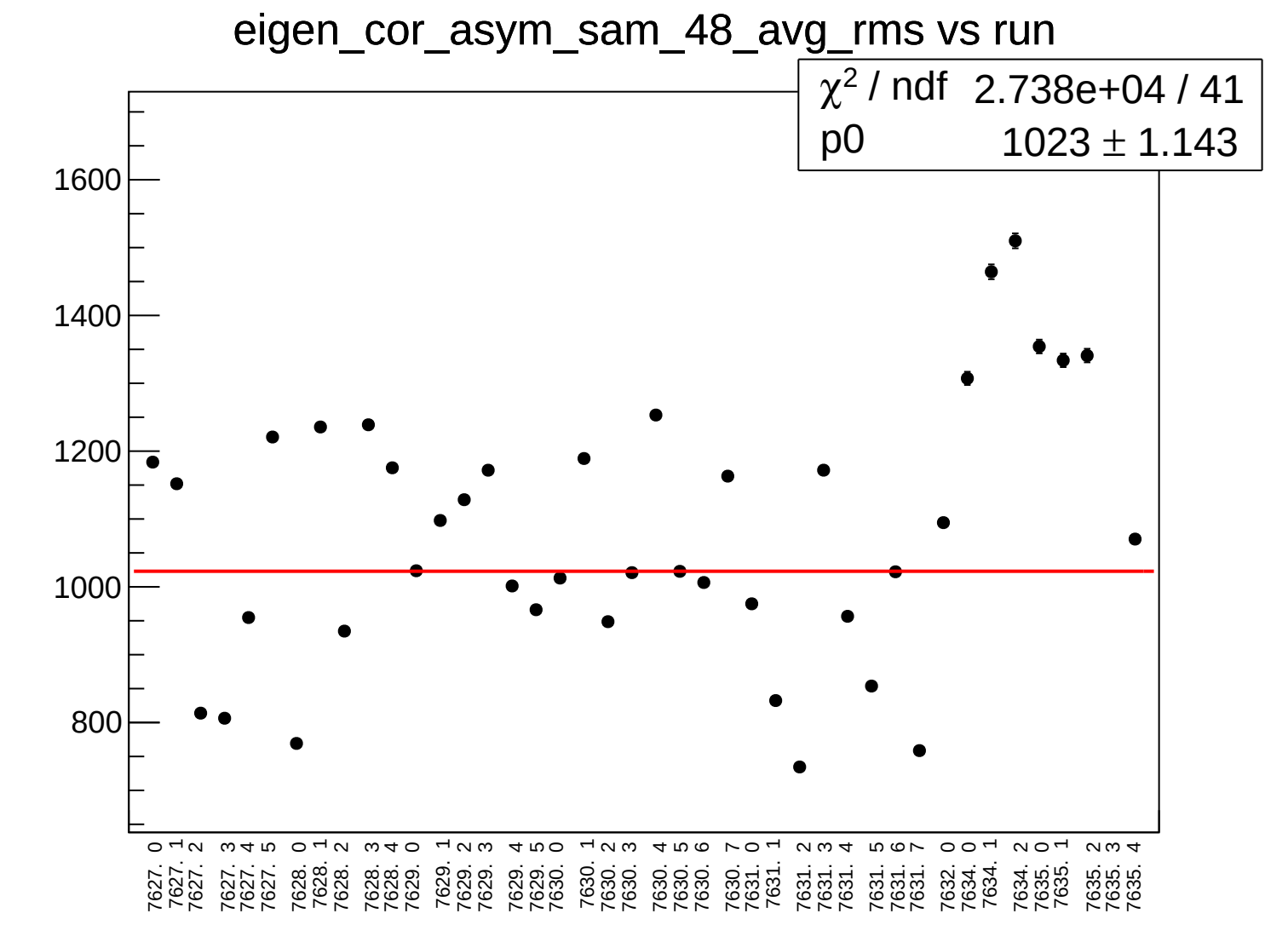

cor_asym_sam_48_avg_rms vs run
χ² / ndf 2.738e+04 / 41
p0 1023 ± 1.143
1600
1400
1200
1000
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

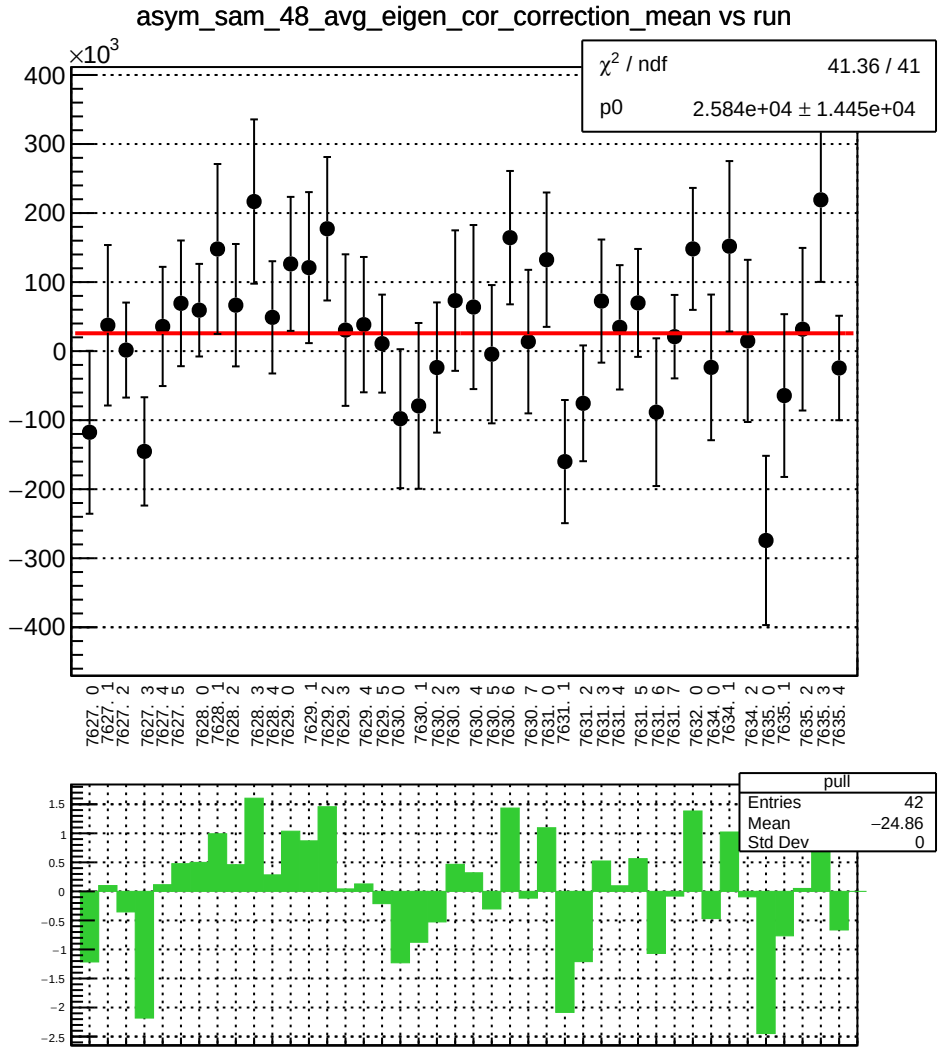

asym_sam_48_avg_cor_correction_mean vs run
×10^3
χ² / ndf 41.36 / 41
p0 2.584e+04 ± 1.445e+04
pull
Entries 42
Mean −24.86
Std Dev 0

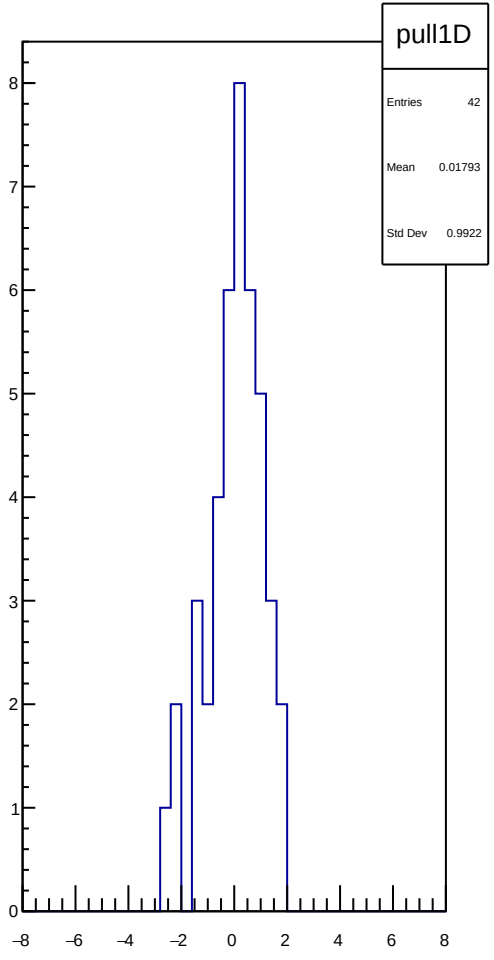

pull1D
Entries 42
Mean 0.01793
Std Dev 0.9922

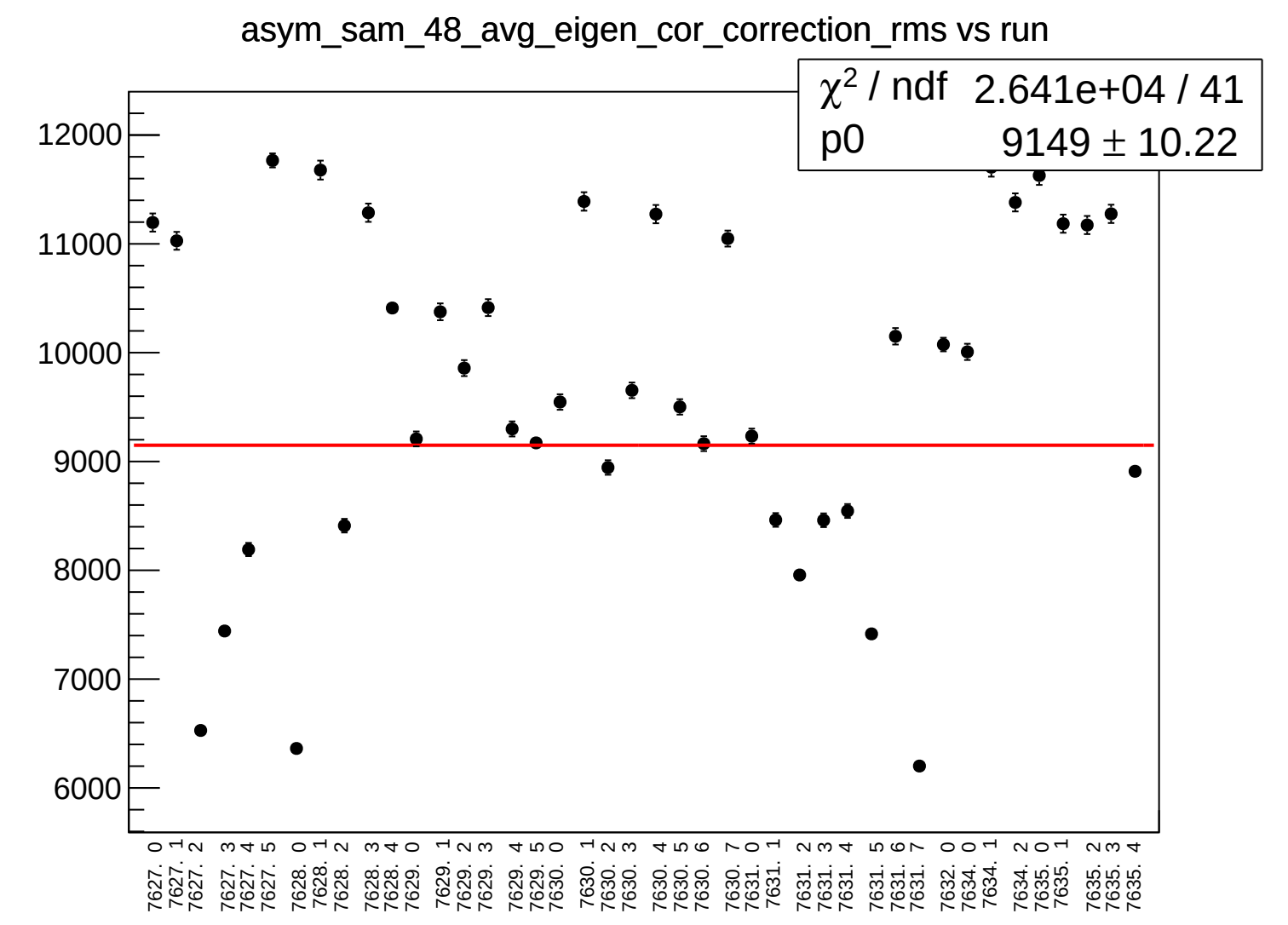

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 2.641e+04 / 41
p0 9149 ± 10.22
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 34.18 / 41
p0 −1267 ± 1617
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −13.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.03223
Std Dev 0.9015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 2.738e+04 / 41
p0 1023 ± 1.143
1600
1400
1200
1000
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_48_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 41.36 / 41
p0 2.584e+04 ± 1.445e+04
pull
Entries 42
Mean −24.86
Std Dev 0


pull1D
Entries 42
Mean 0.01793
Std Dev 0.9922


asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.641e+04 / 41
p0 9149 ± 10.22
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
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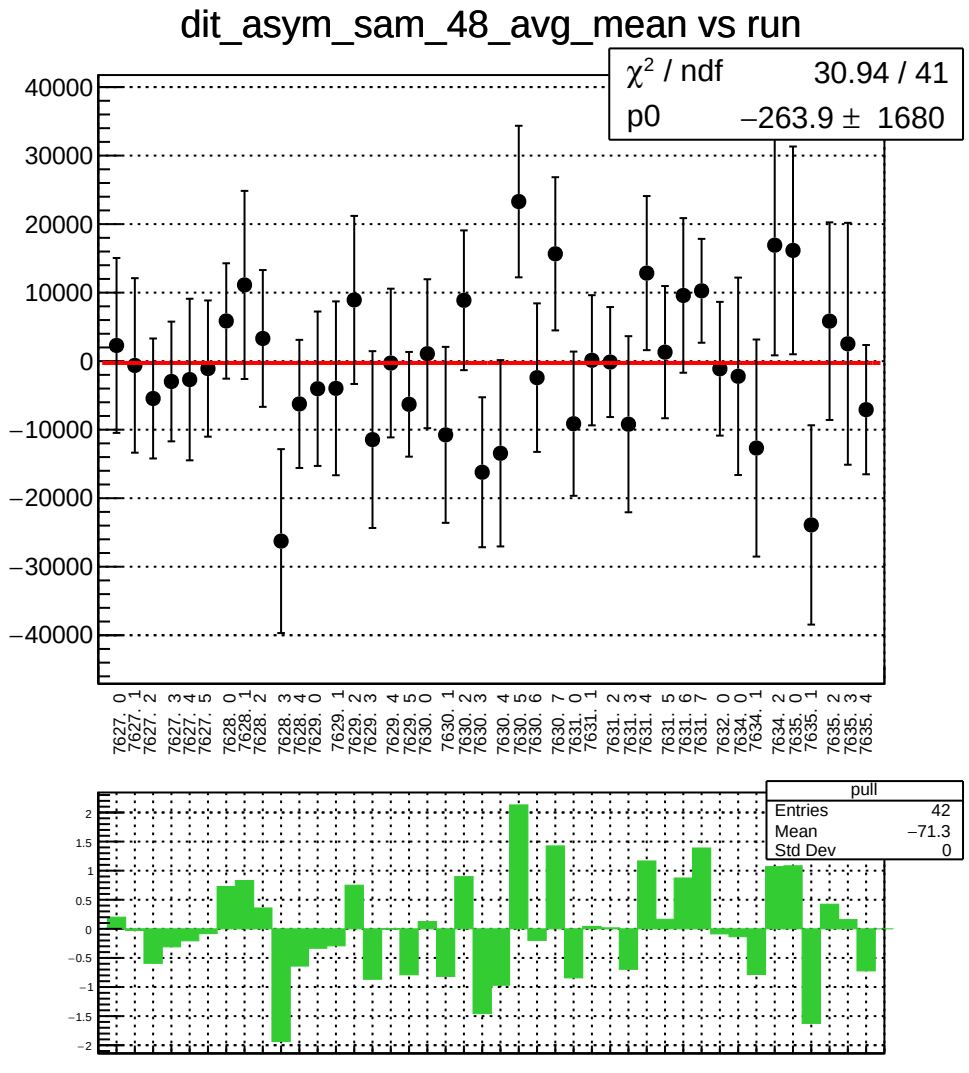
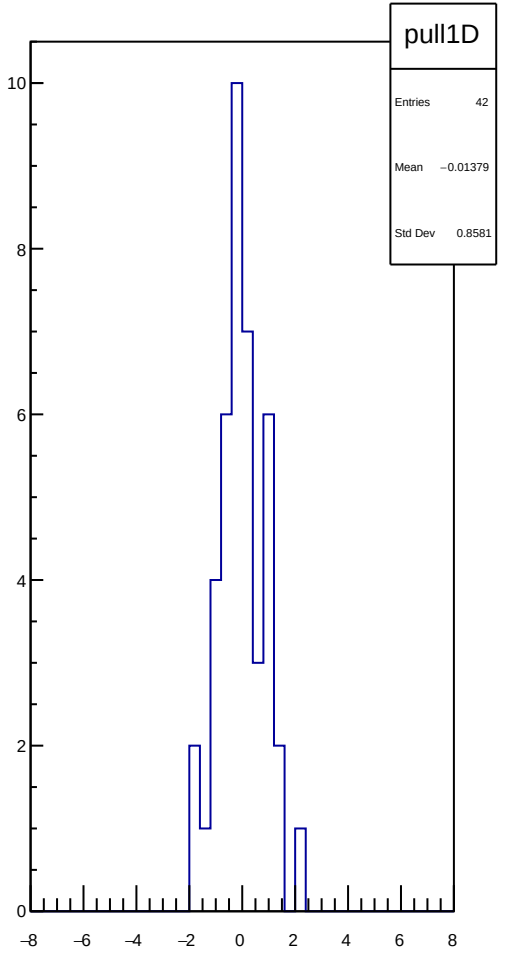
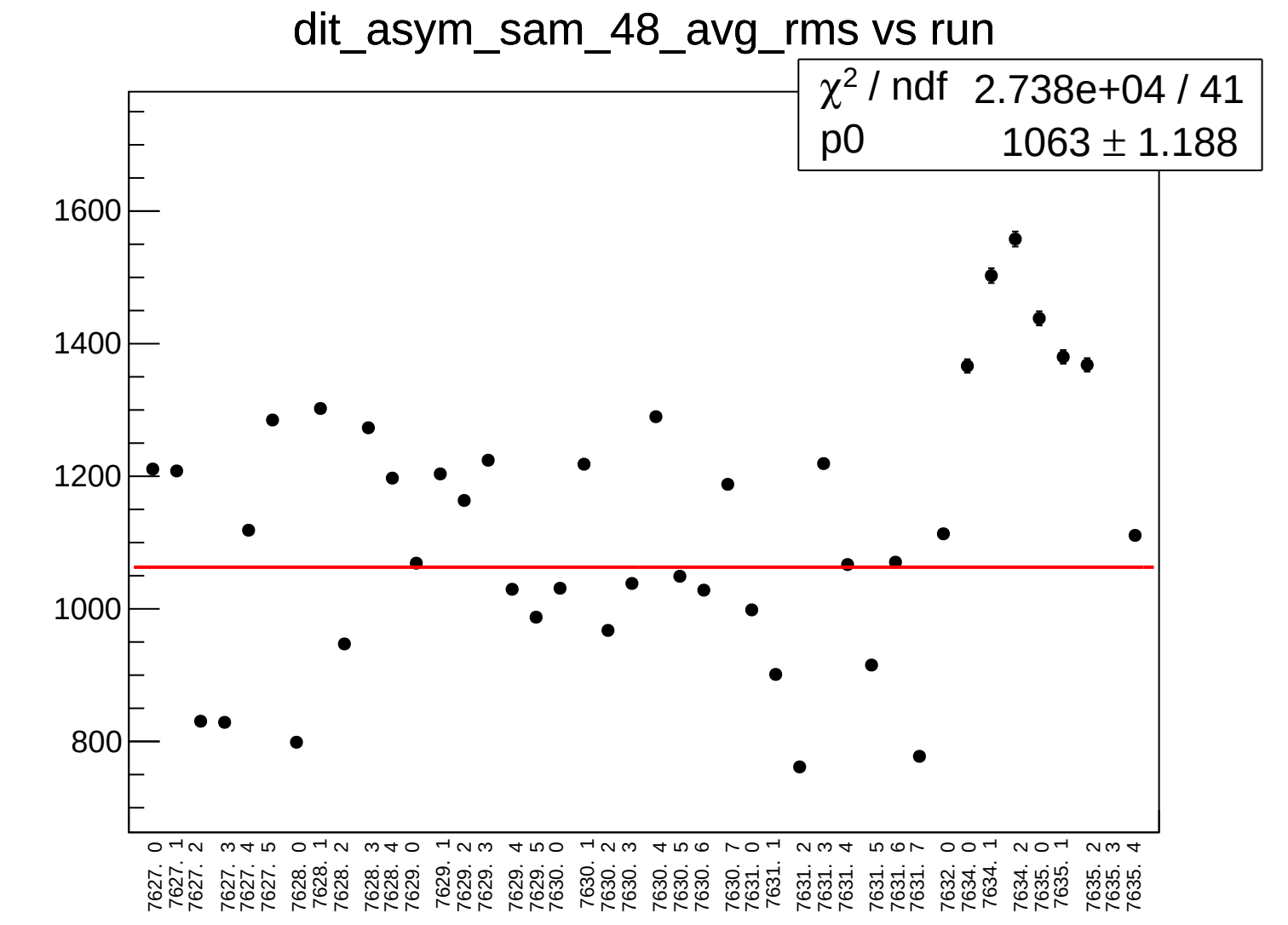
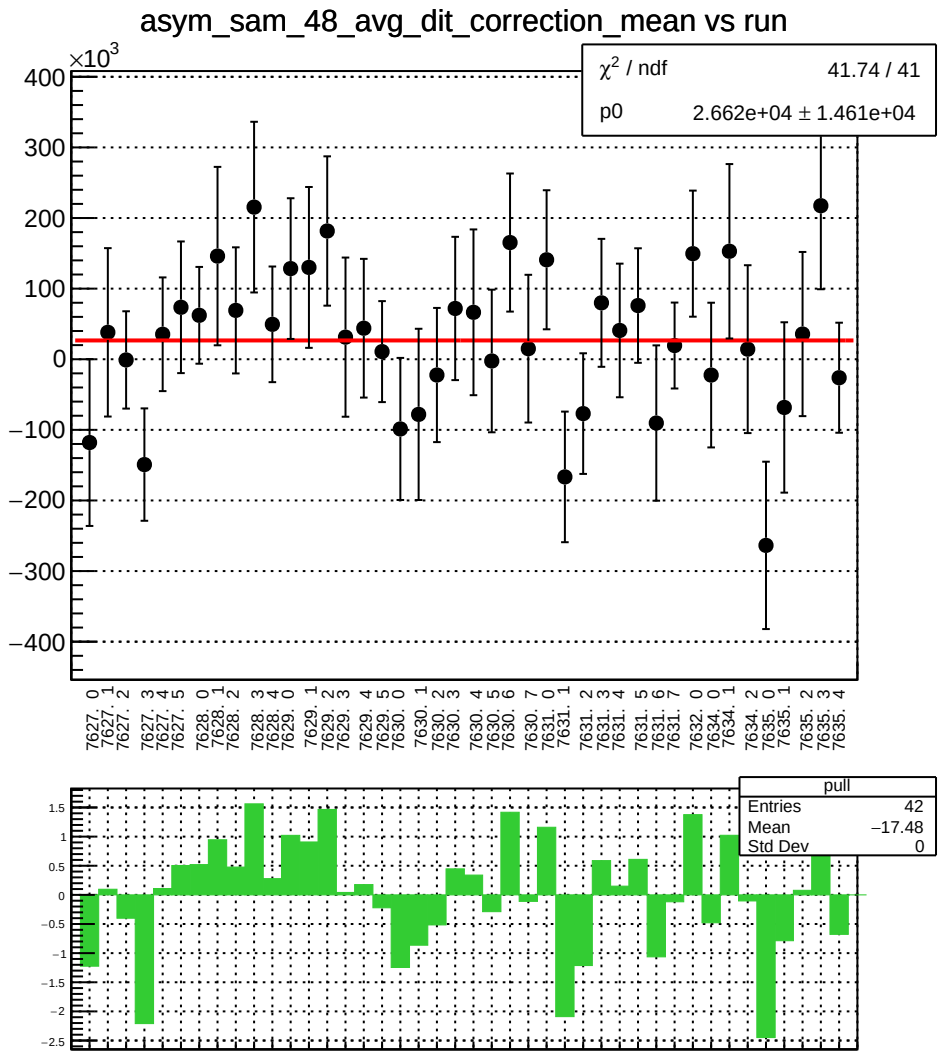
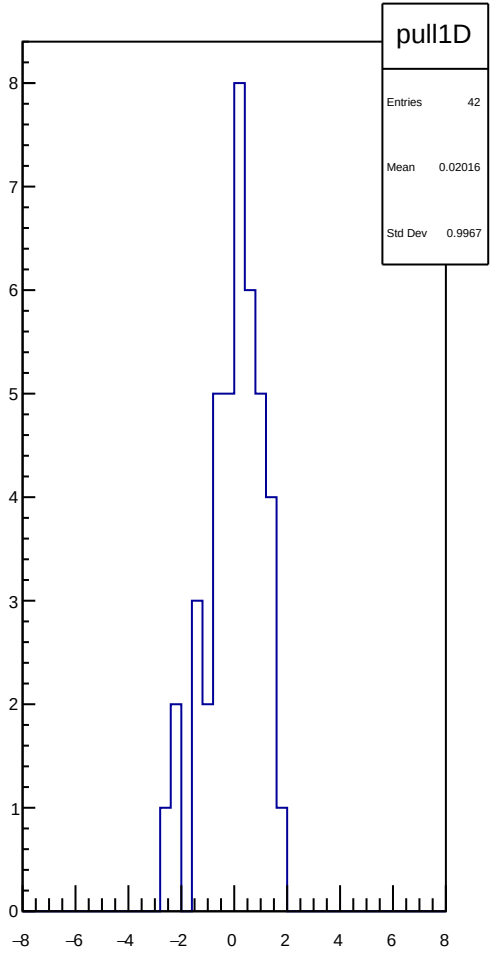
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

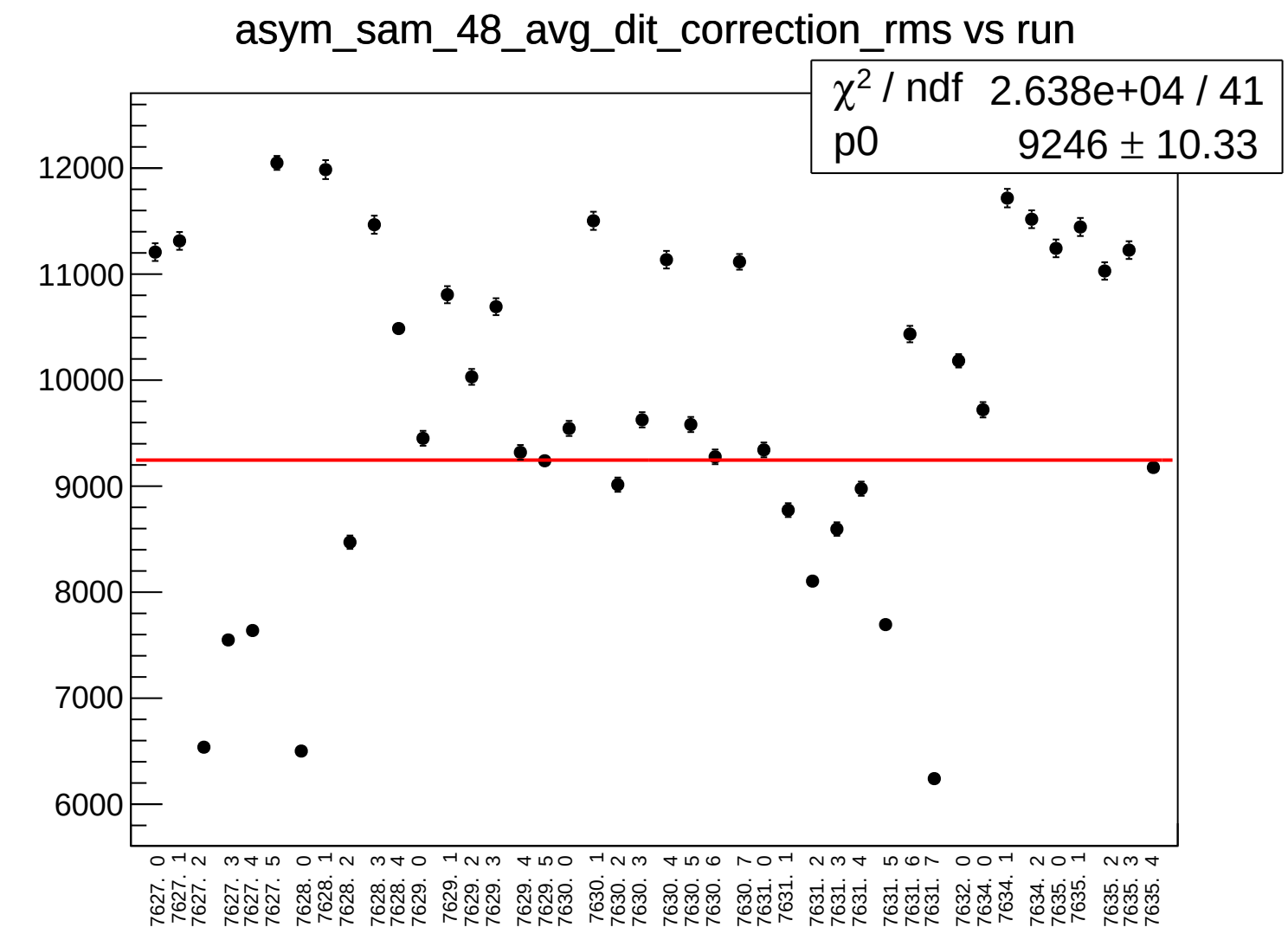

dit_asym_sam_48_avg_mean vs run
χ² / ndf 30.94 / 41
p0 −263.9 ± 1680
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −71.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

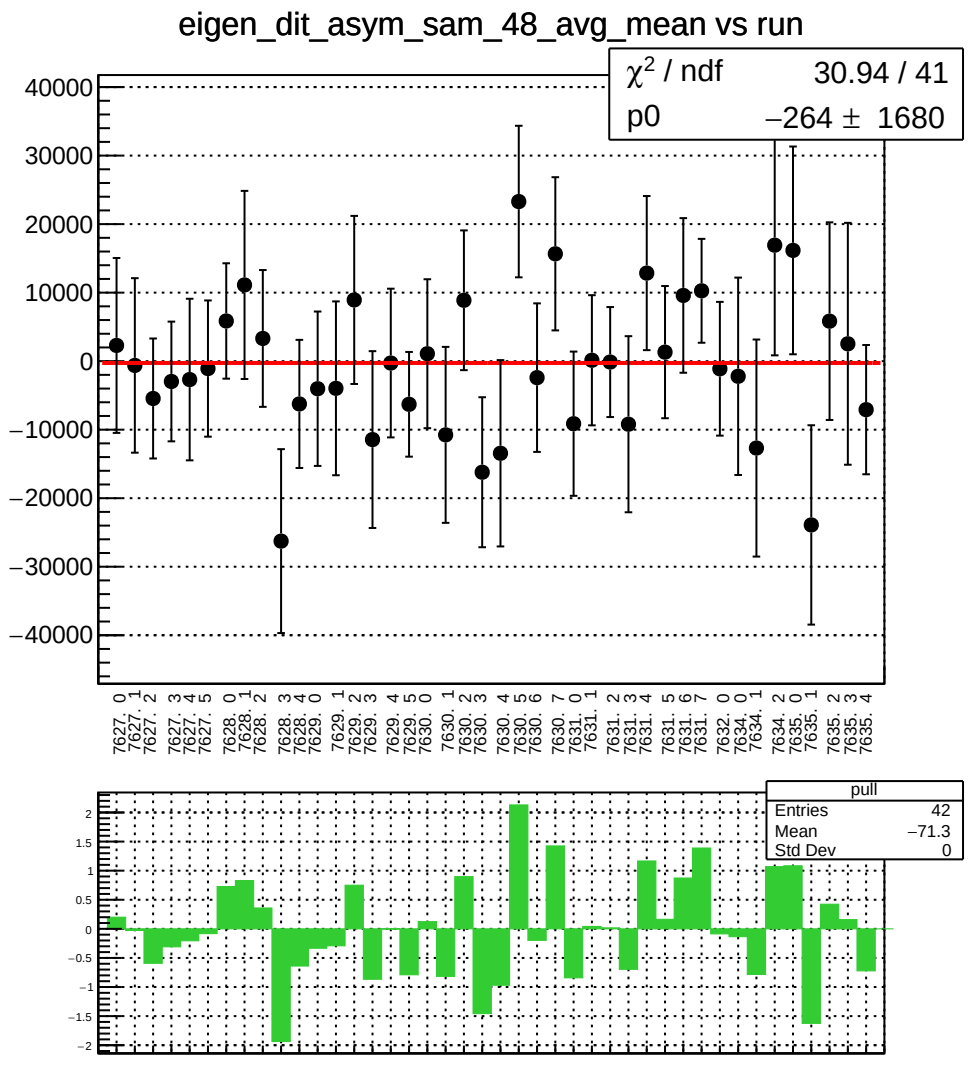

pull1D
Entries 42
Mean −0.01379
Std Dev 0.8581
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 2.738e+04 / 41
p0 1063 ± 1.188
1600
1400
1200
1000
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_48_avg_dit_correction_mean vs run
×10^3
χ² / ndf 41.74 / 41
p0 2.662e+04 ± 1.461e+04
pull
Entries 42
Mean −17.48
Std Dev 0


pull1D
Entries 42
Mean 0.02016
Std Dev 0.9967


asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 2.638e+04 / 41
p0 9246 ± 10.33
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 30.94 / 41
p0 −264 ± 1680
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
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7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
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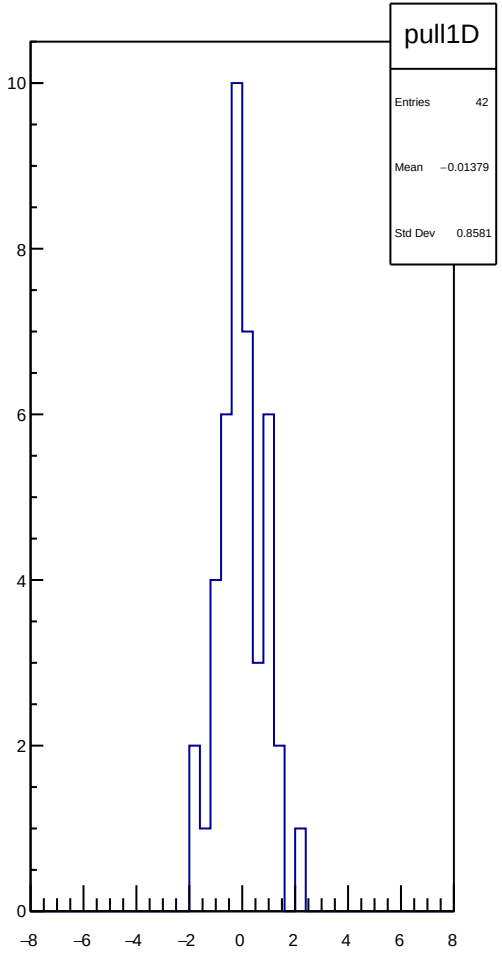
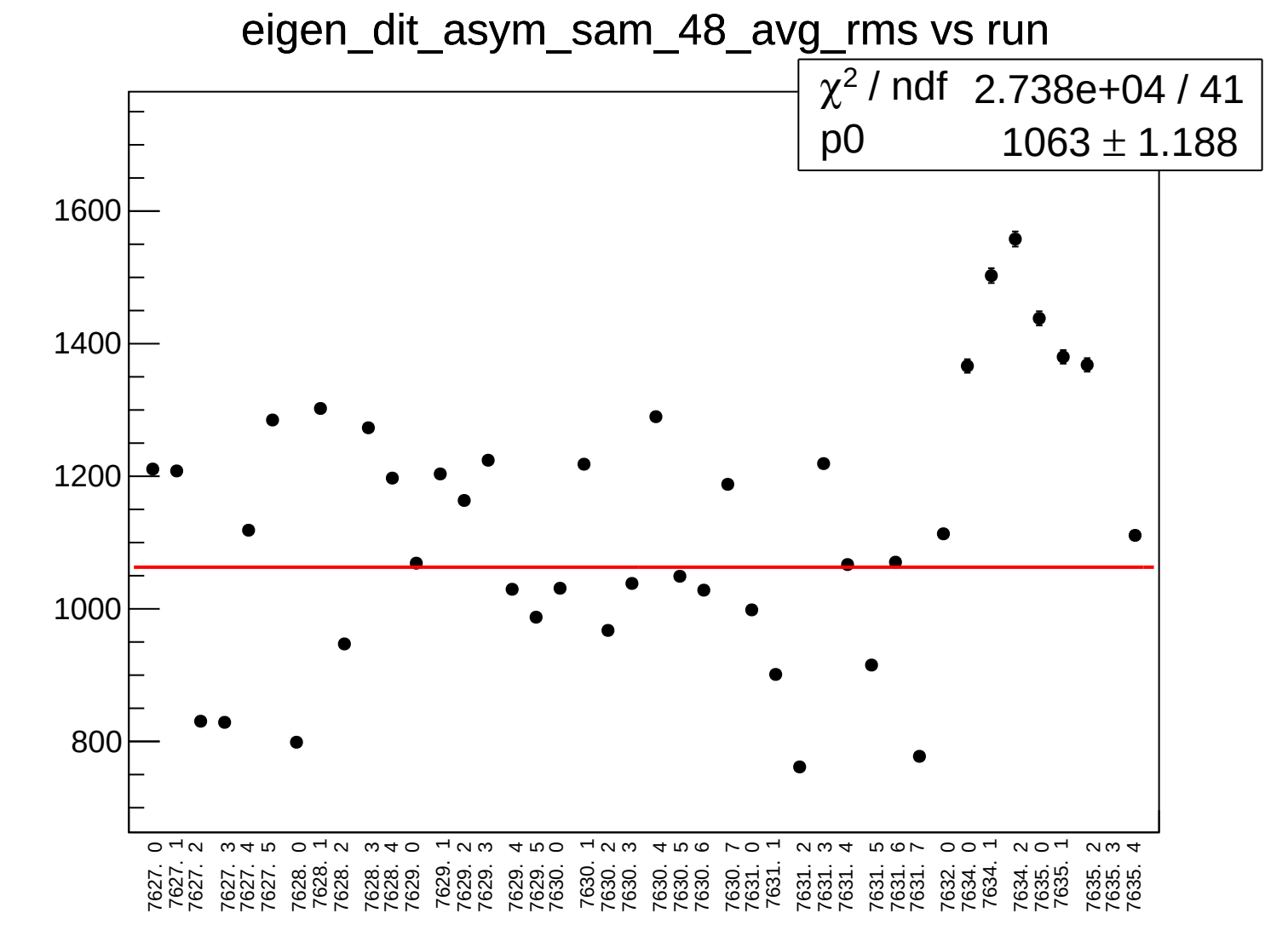
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −71.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.01379
Std Dev 0.8581
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 2.738e+04 / 41
p0 1063 ± 1.188
1600
1400
1200
1000
800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
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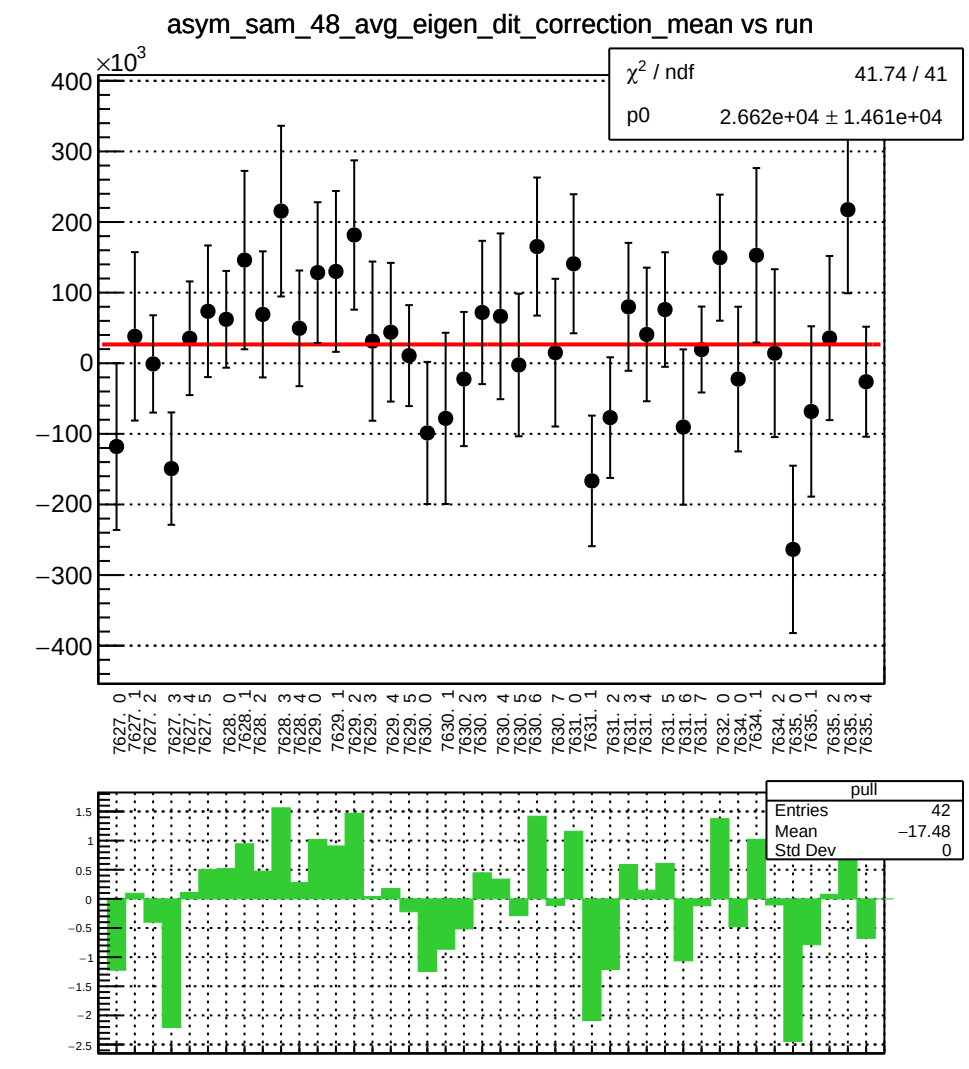
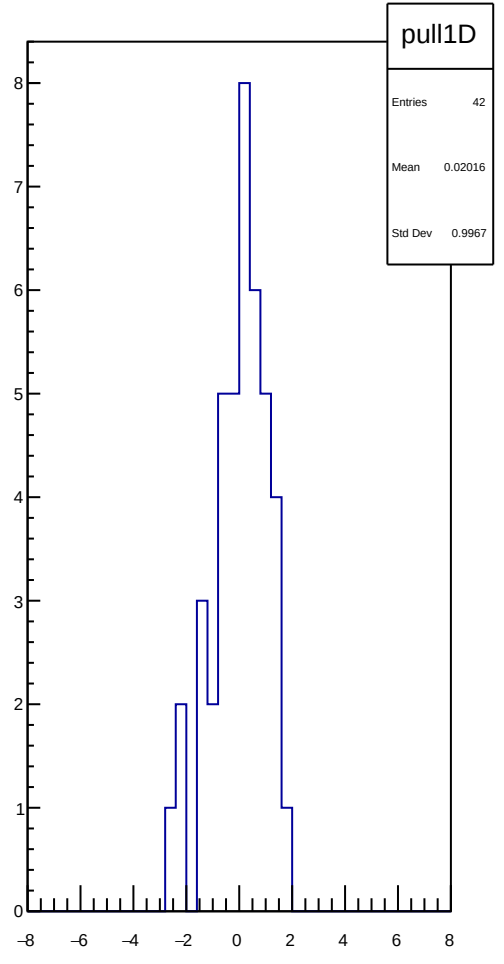
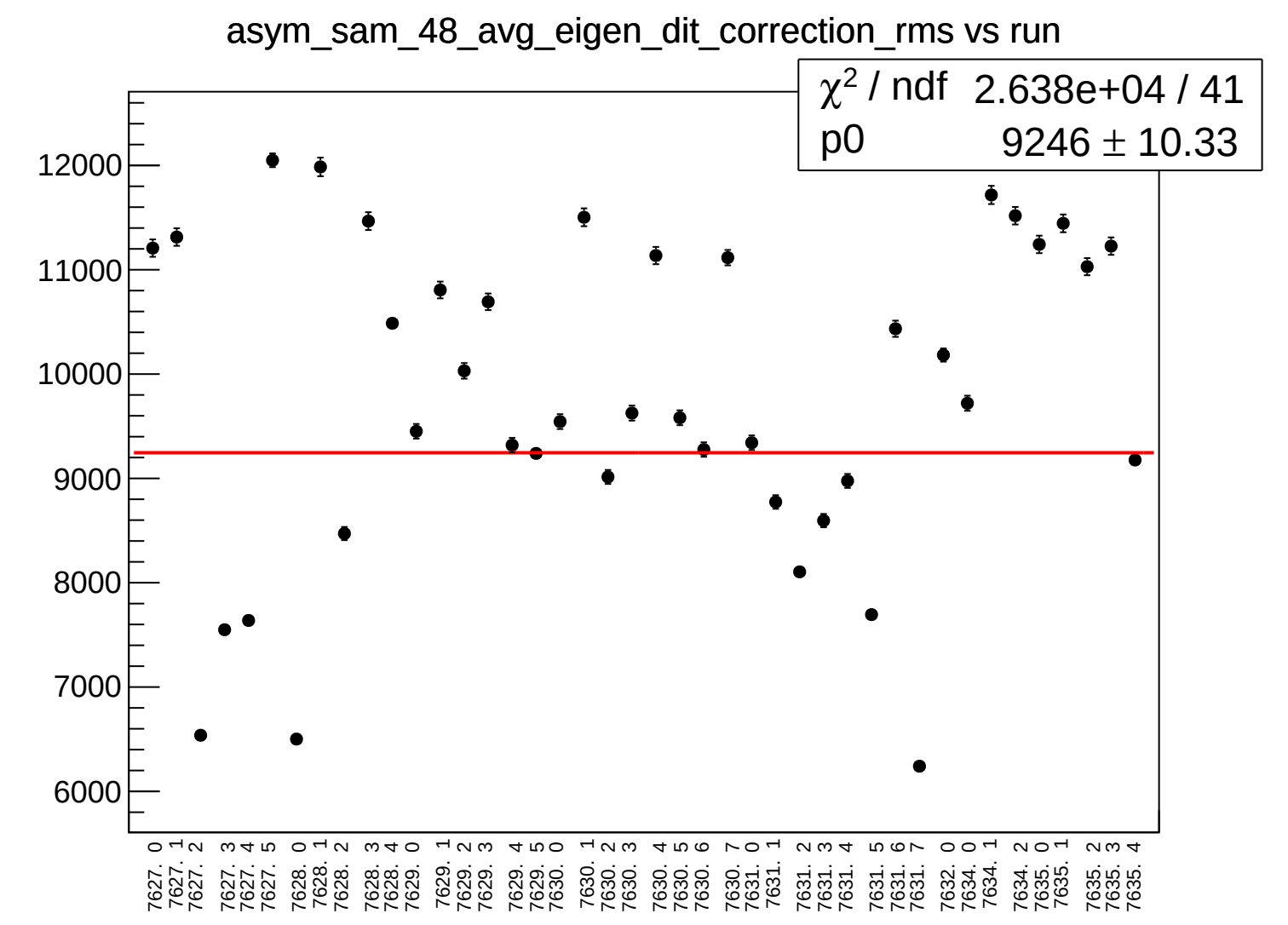
7635. 3
7635. 4


asym_sam_48_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 41.74 / 41
p0 2.662e+04 ± 1.461e+04
pull
Entries 42
Mean −17.48
Std Dev 0


pull1D
Entries 42
Mean 0.02016
Std Dev 0.9967


asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.638e+04 / 41
p0 9246 ± 10.33
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
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7629. 5
7630. 0
7630. 1
7630. 2
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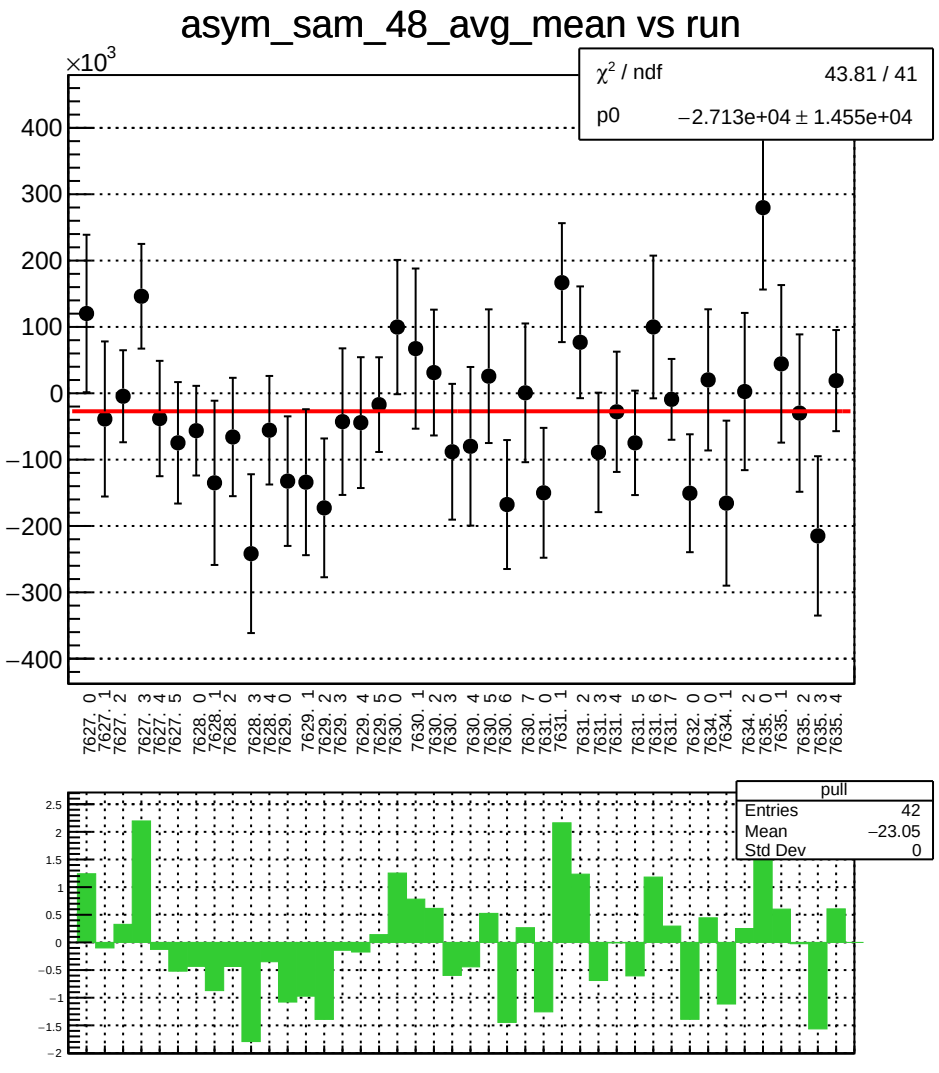
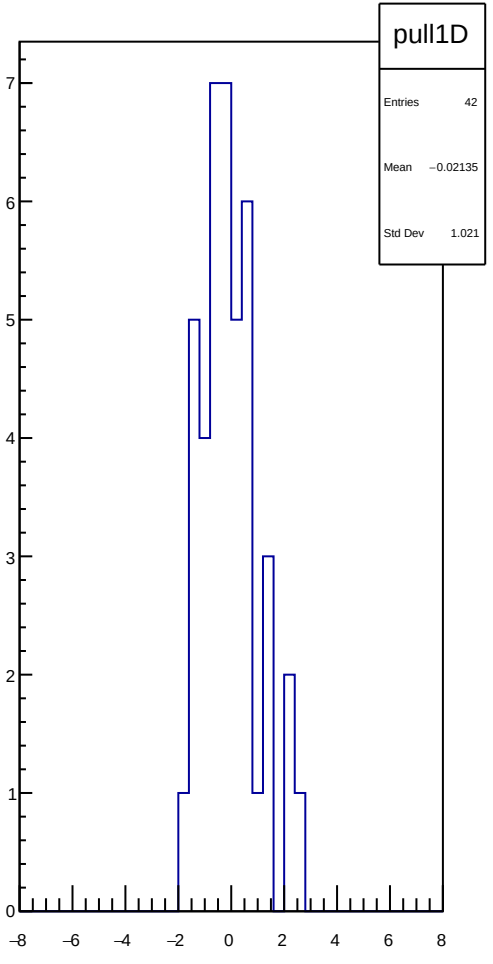
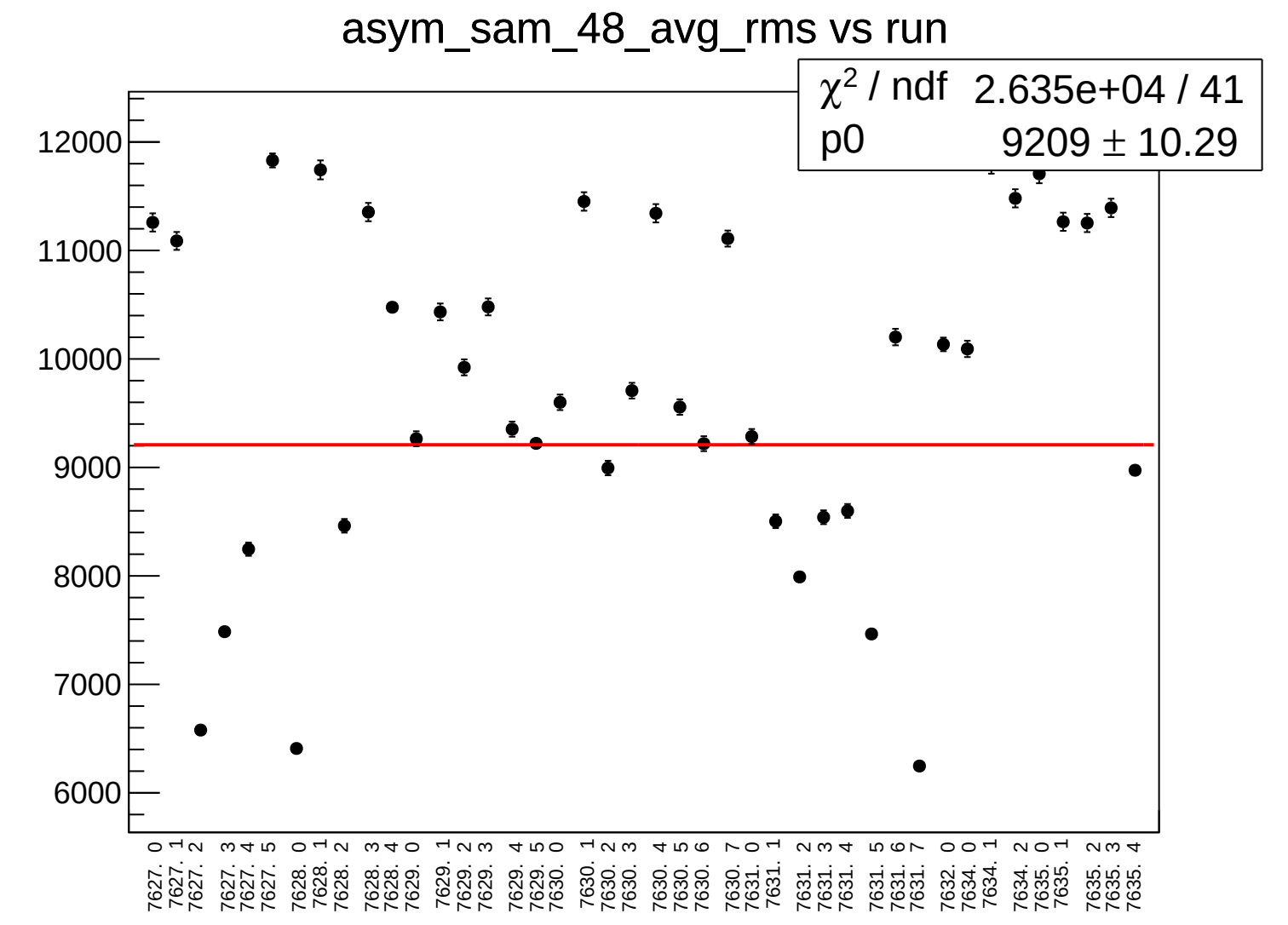
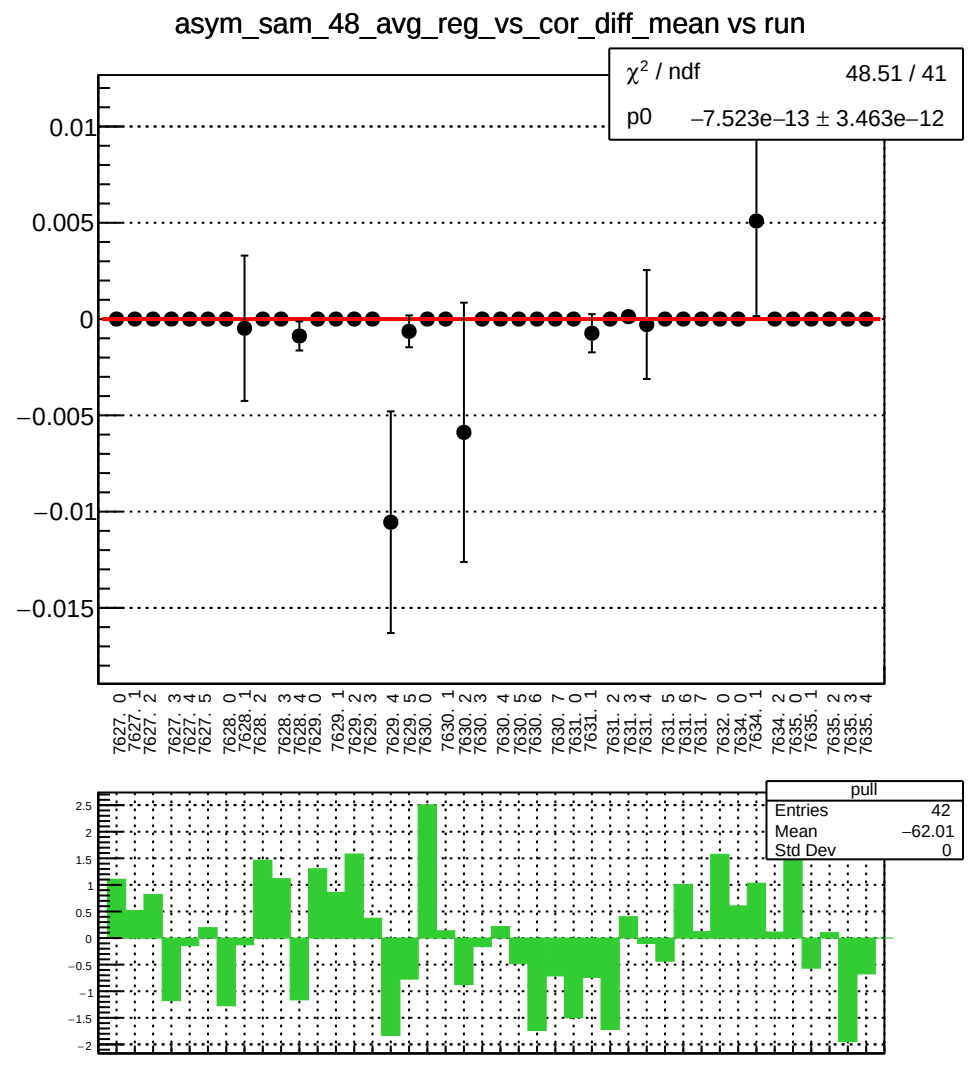
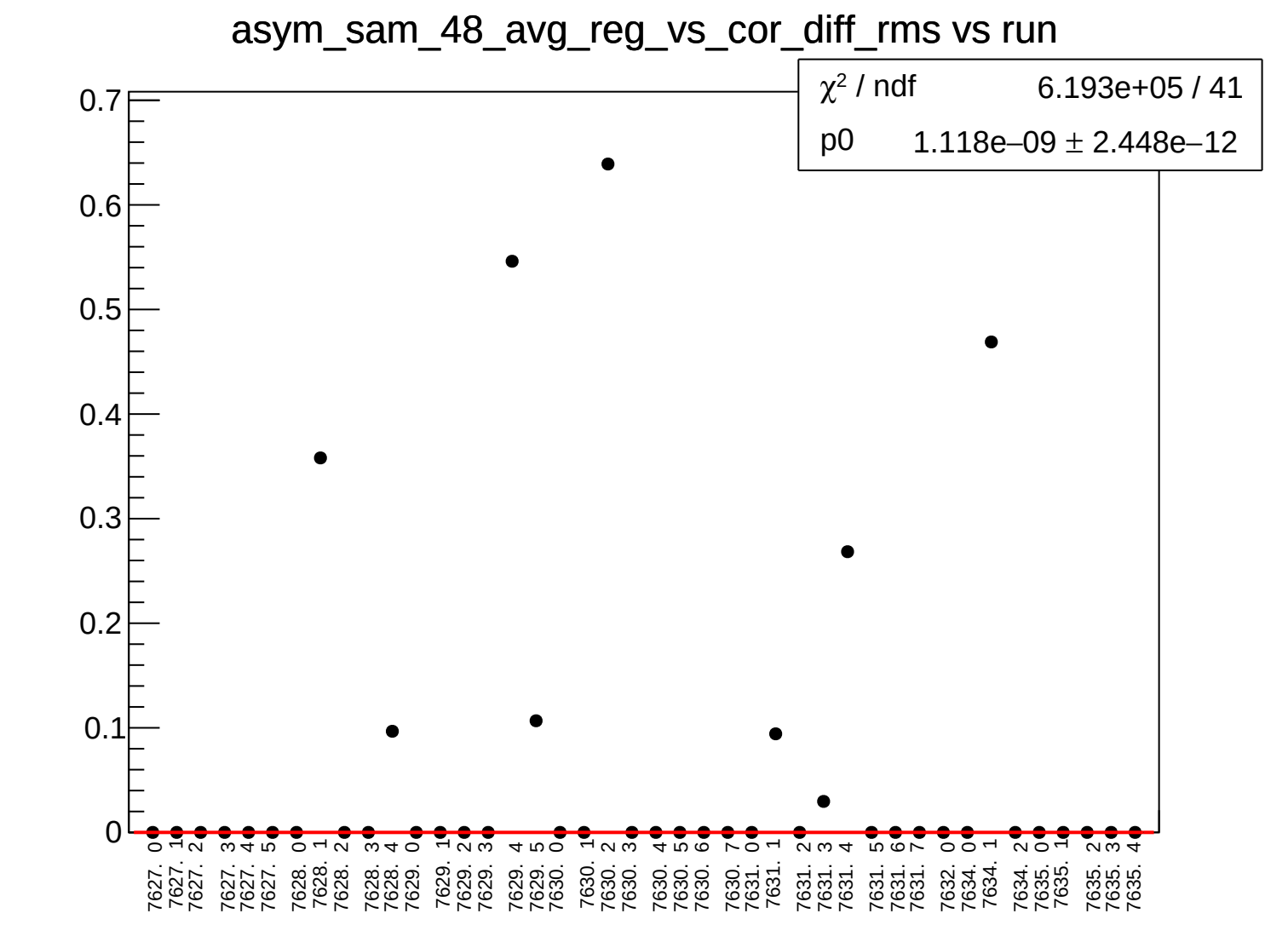
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

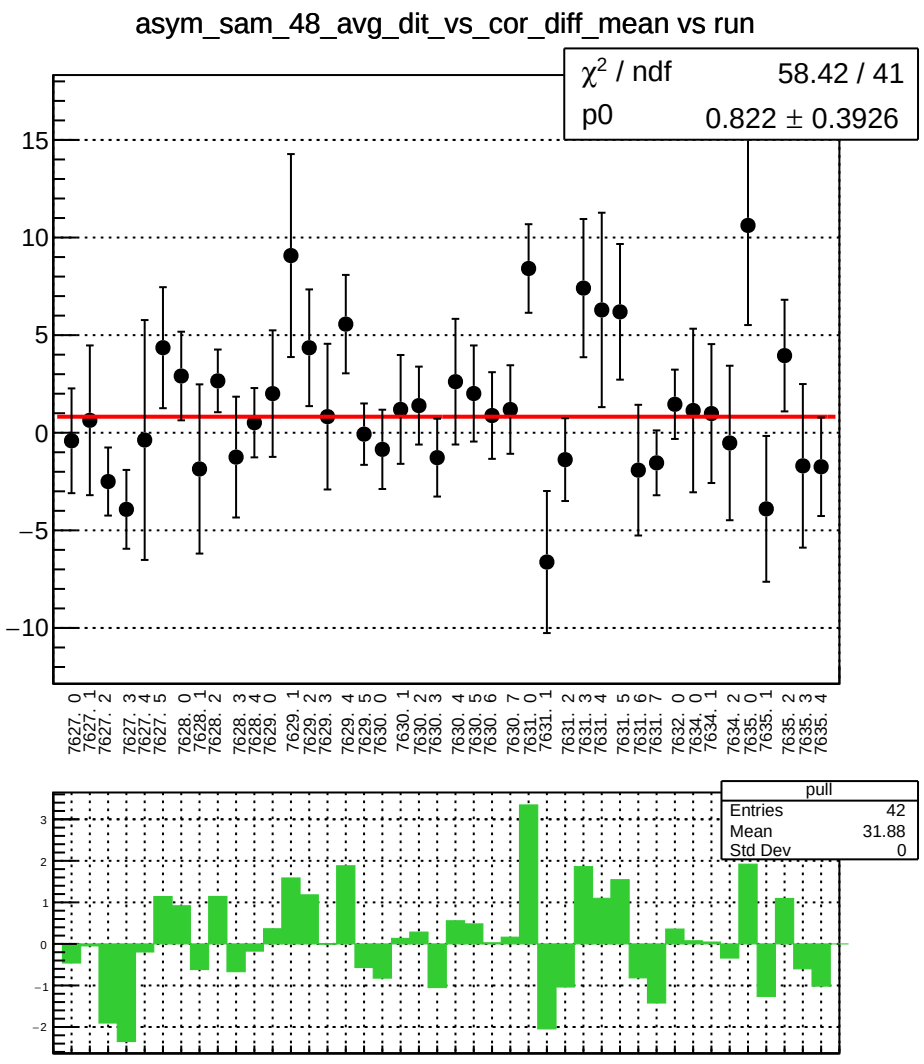

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 43.81 / 41
p0 −2.713e+04 ± 1.455e+04
pull
Entries 42
Mean −23.05
Std Dev 0

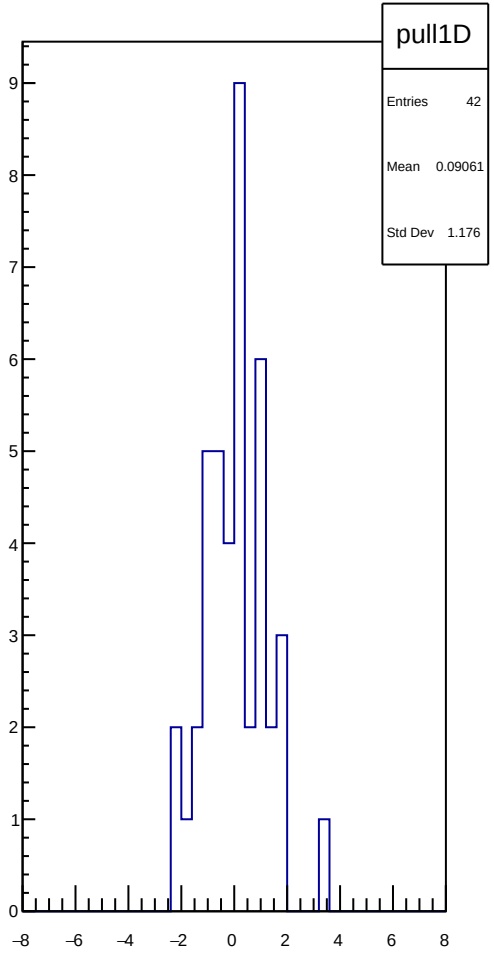

pull1D
Entries 42
Mean −0.02135
Std Dev 1.021

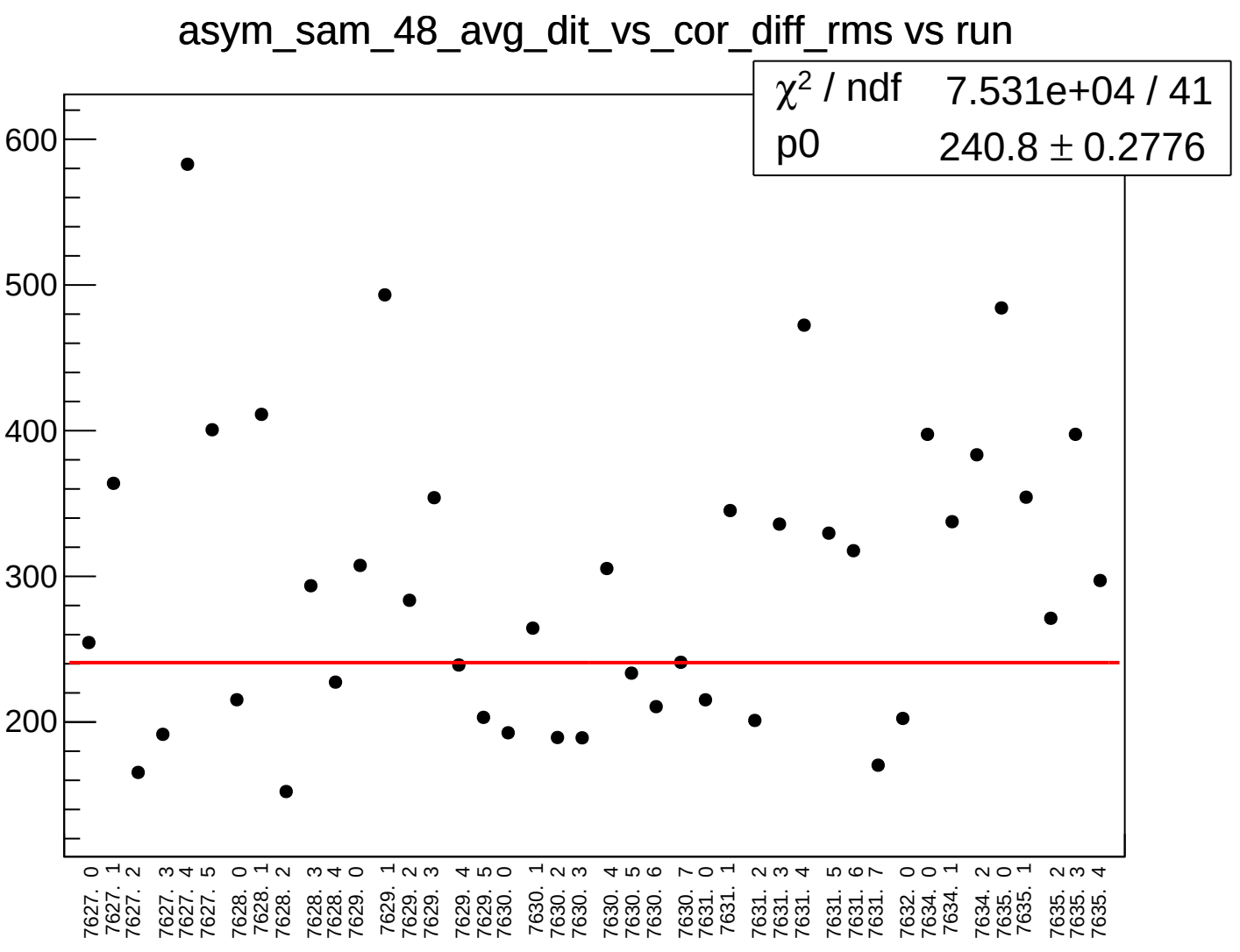

asym_sam_48_avg_rms vs run
χ² / ndf 2.635e+04 / 41
p0 9209 ± 10.29
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

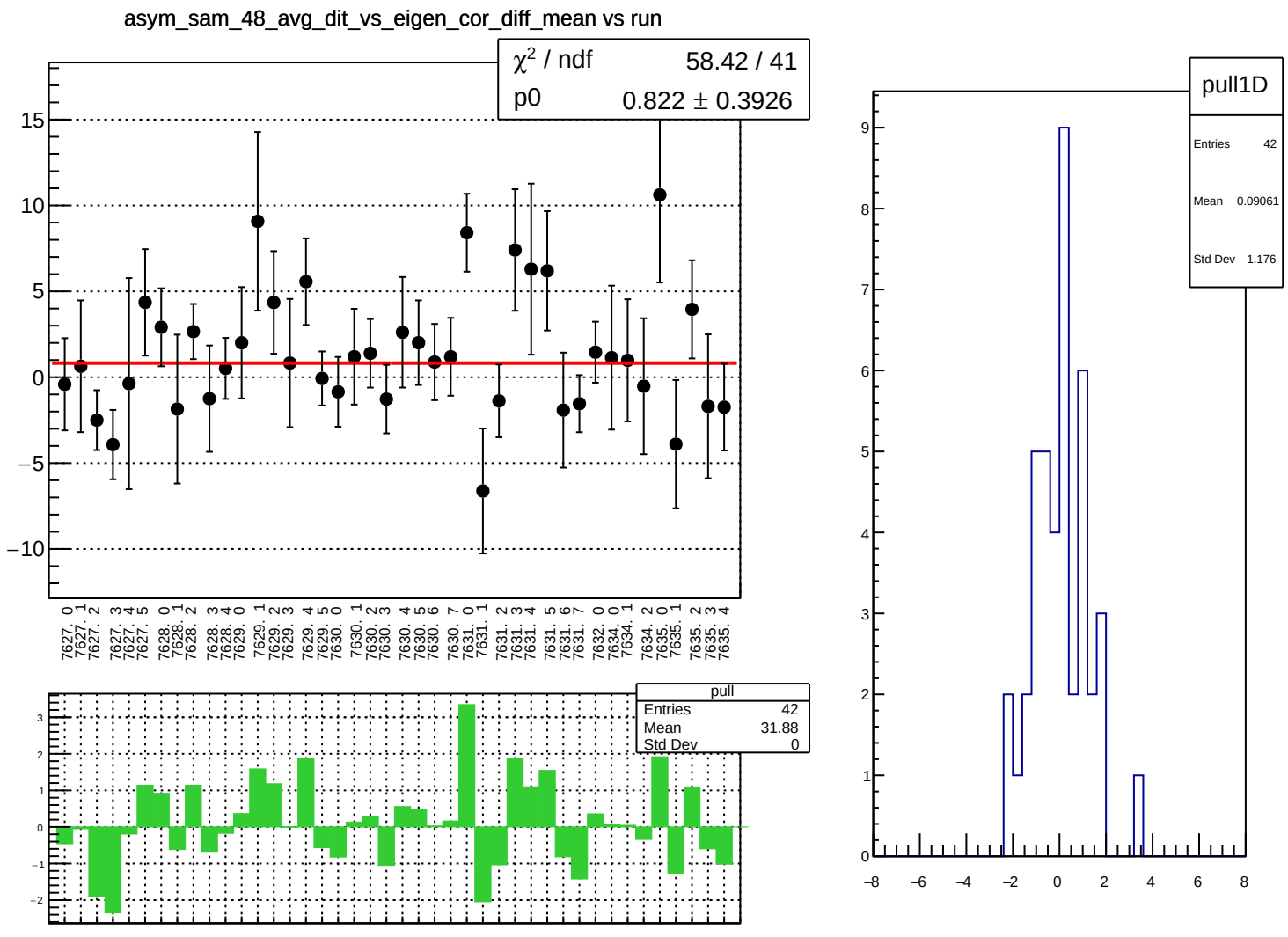

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.51 / 41
p0 −7.523e−13 ± 3.463e−12
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −62.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01755
Std Dev 1.075
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

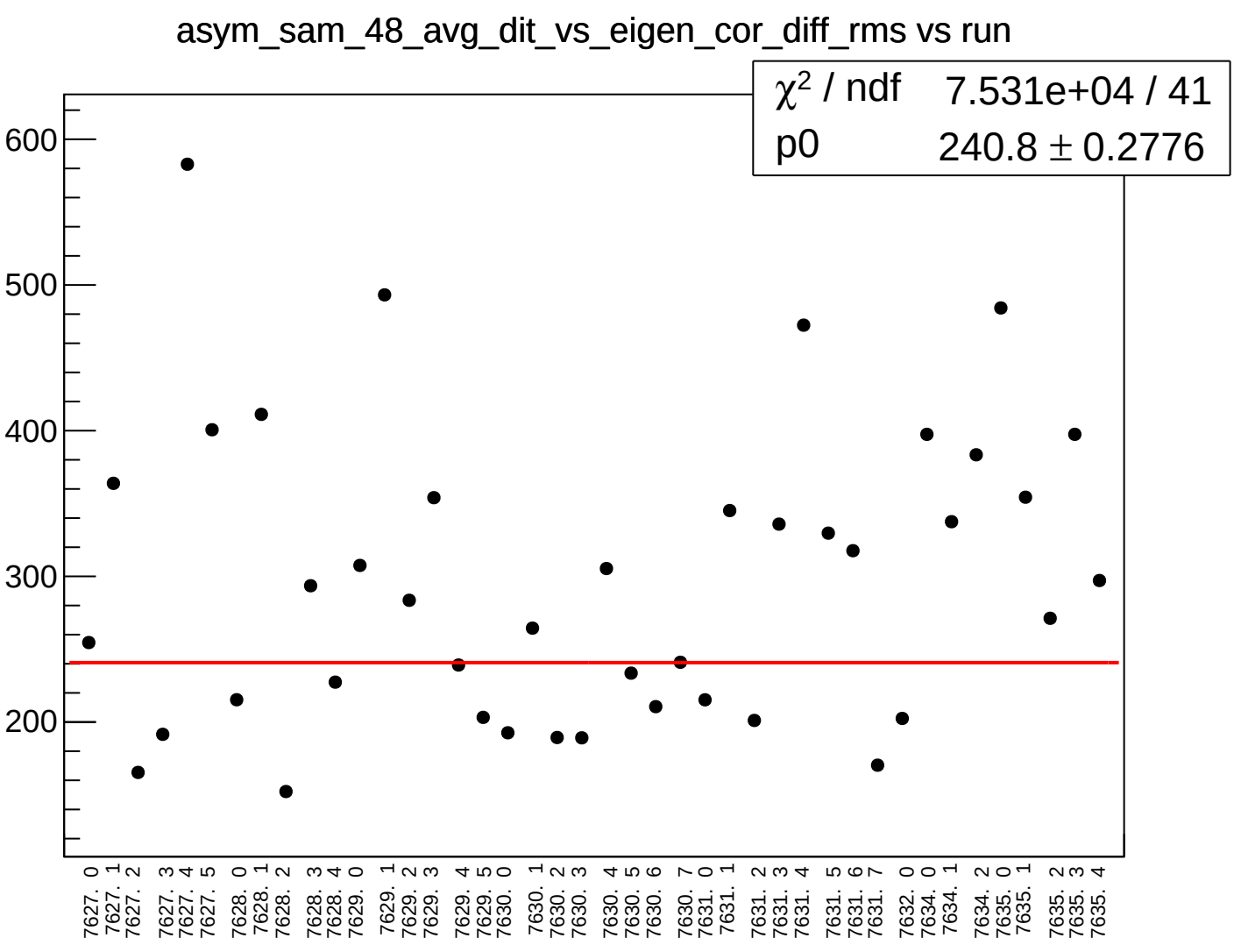

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.193e+05 / 41
p0 1.118e−09 ± 2.448e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

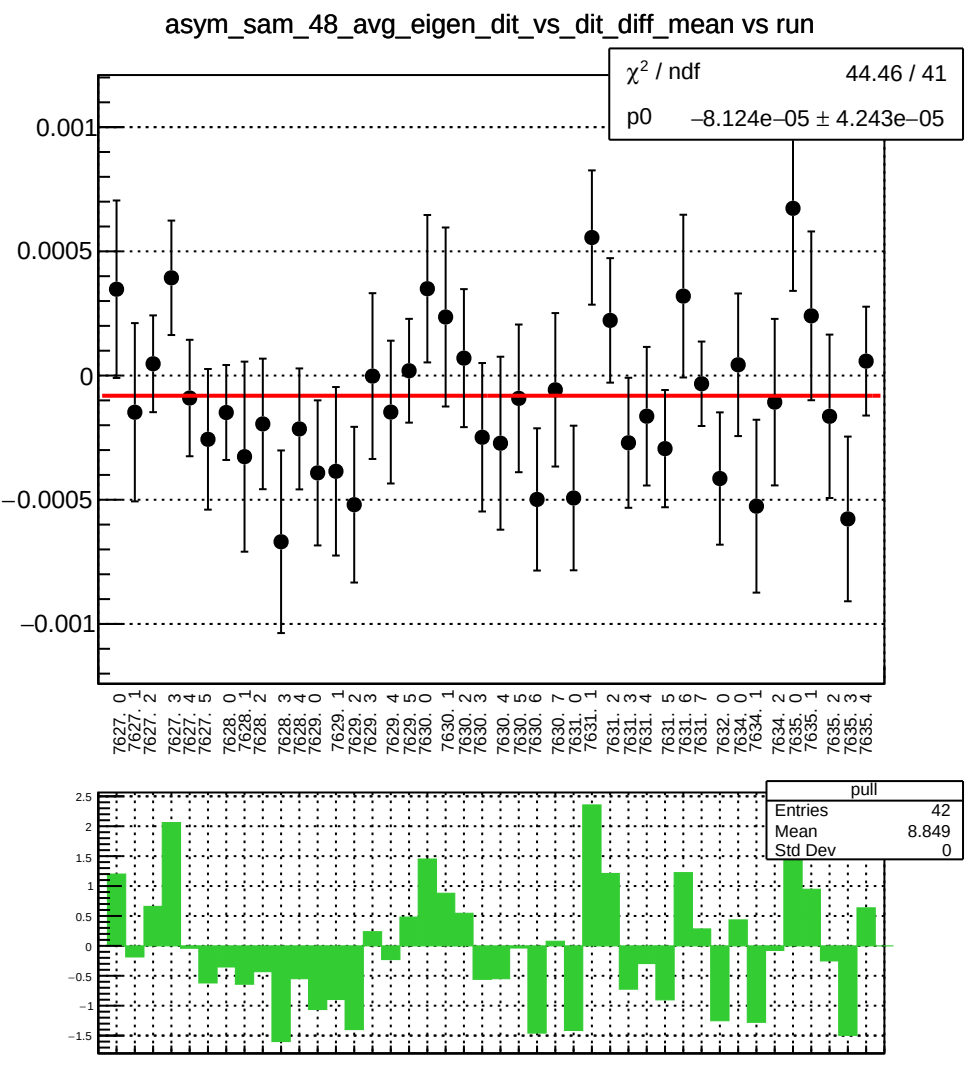

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.42 / 41
p0 0.822 ± 0.3926
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.88
Std Dev 0
3
2
1
0
−1
−2

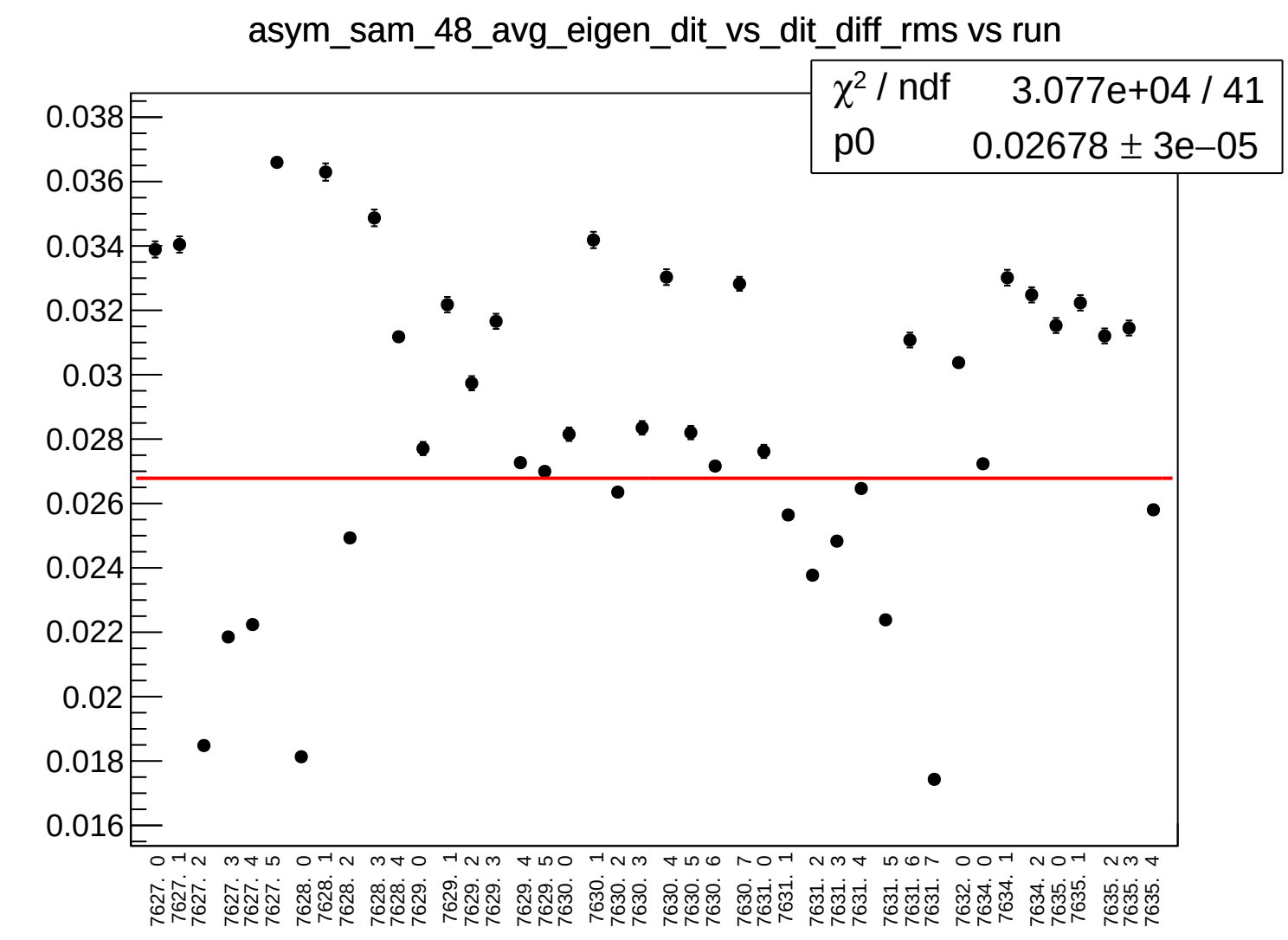

pull1D
Entries 42
Mean 0.09061
Std Dev 1.176
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

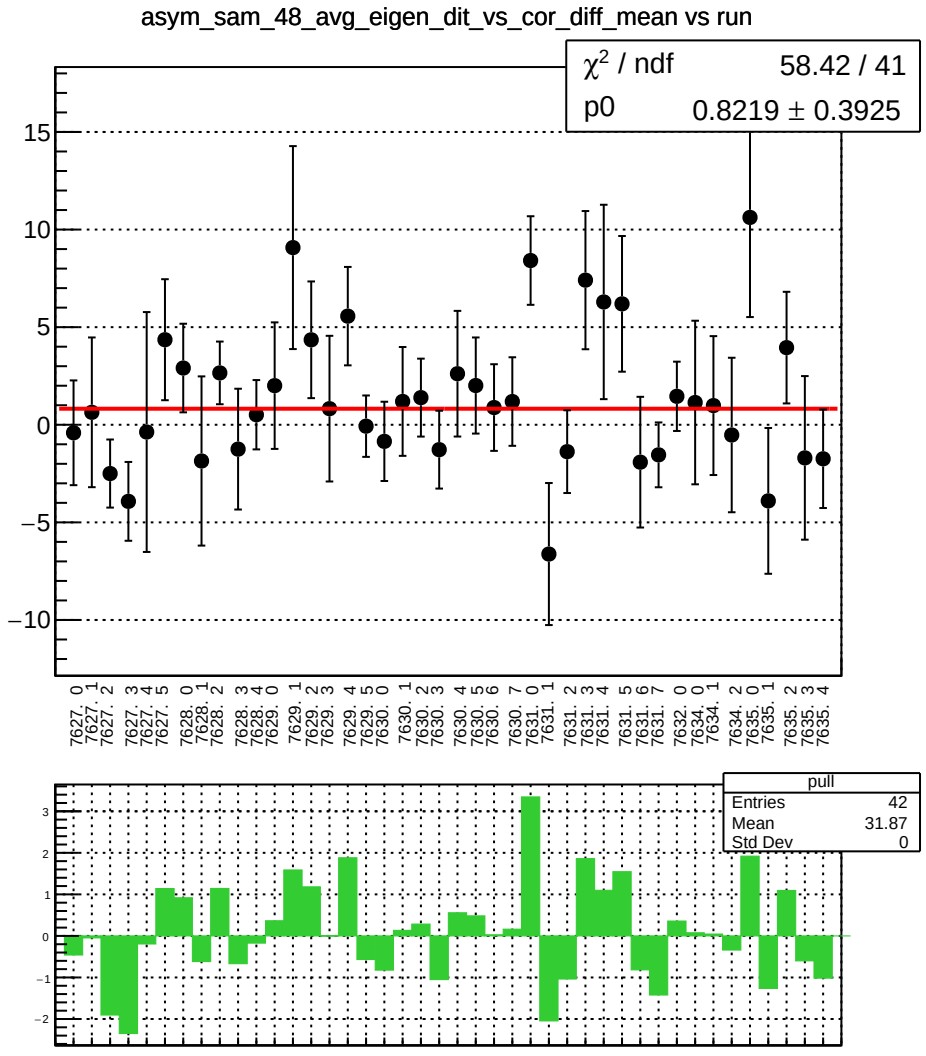

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.531e+04 / 41
p0 240.8 ± 0.2776
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

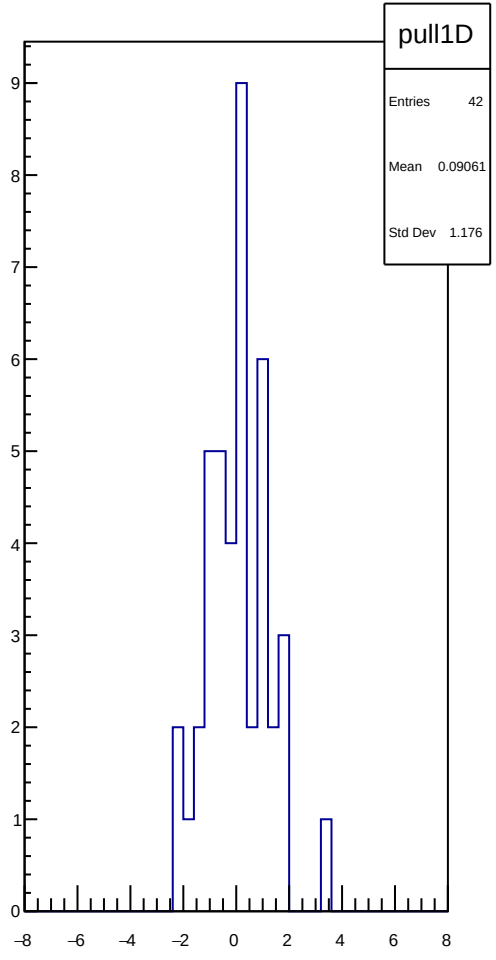

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.42 / 41
p0 0.822 ± 0.3926
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.88
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.09061
Std Dev 1.176
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

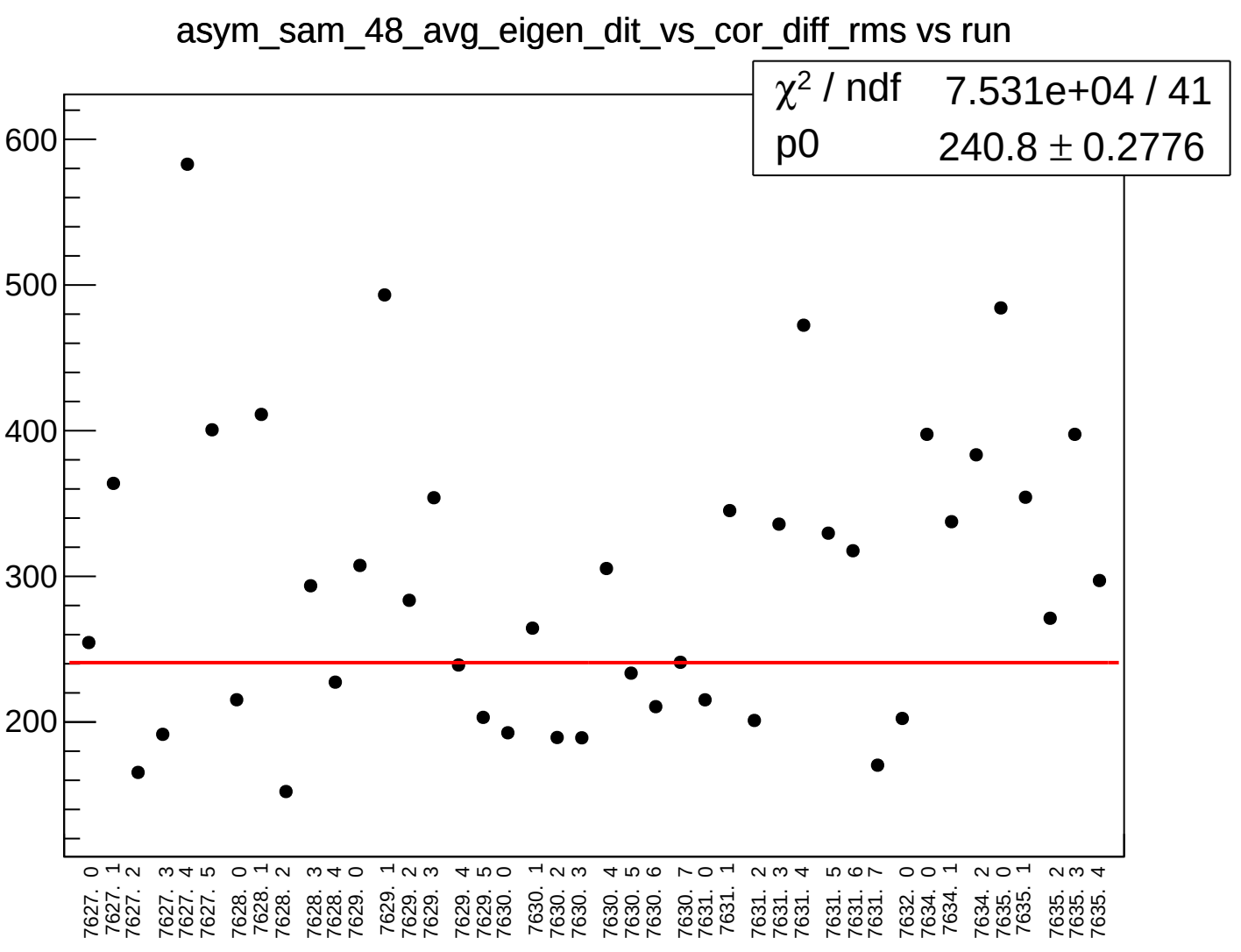

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.531e+04 / 41
p0 240.8 ± 0.2776
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

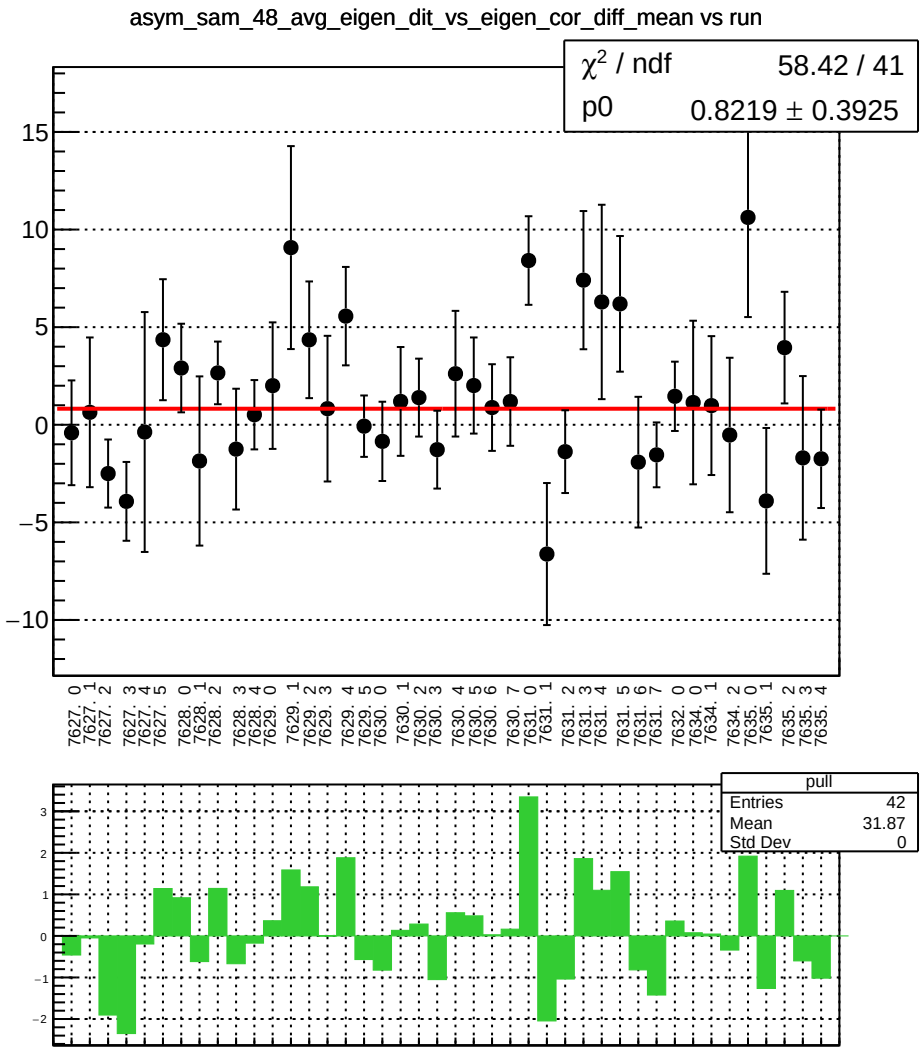

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 44.46 / 41
p0 −8.124e−05 ± 4.243e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 8.849
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03203
Std Dev 1.028
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

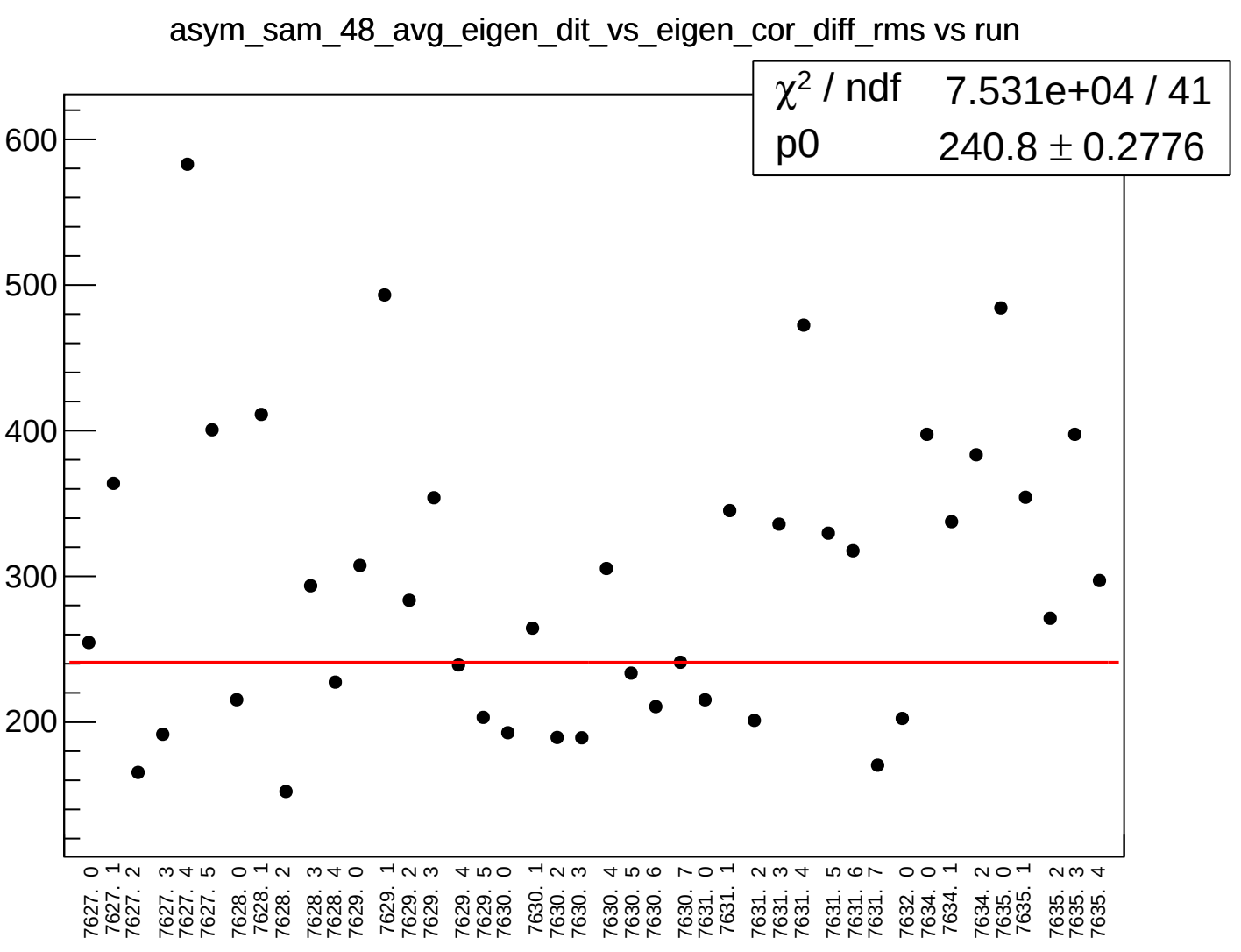

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.077e+04 / 41
p0 0.02678 ± 3e−05
0.038
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

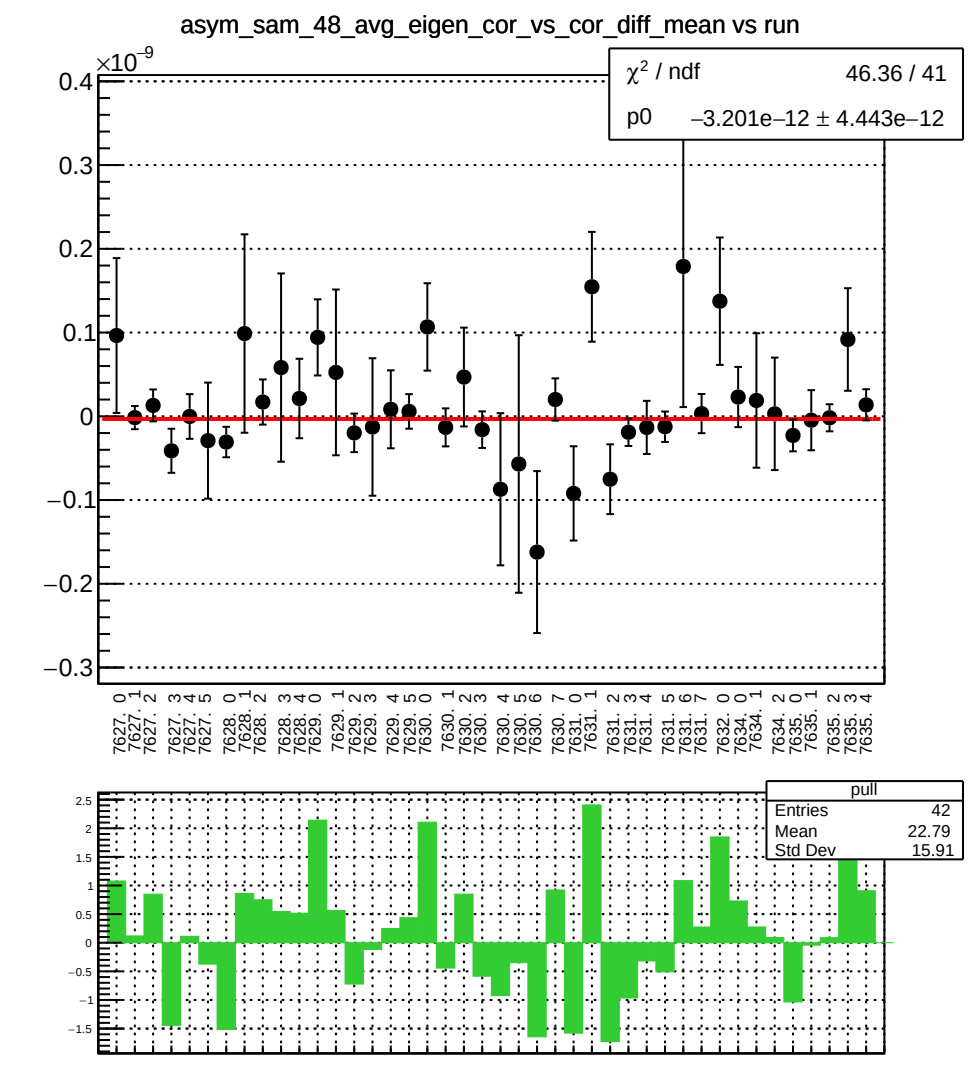

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.42 / 41
p0 0.8219 ± 0.3925
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.87
Std Dev 0
3
2
1
0
−1
−2

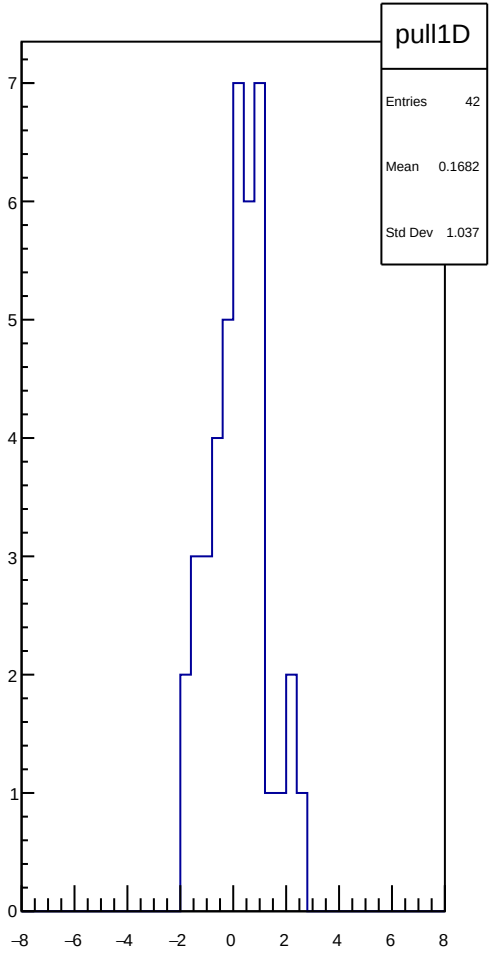

pull1D
Entries 42
Mean 0.09061
Std Dev 1.176
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

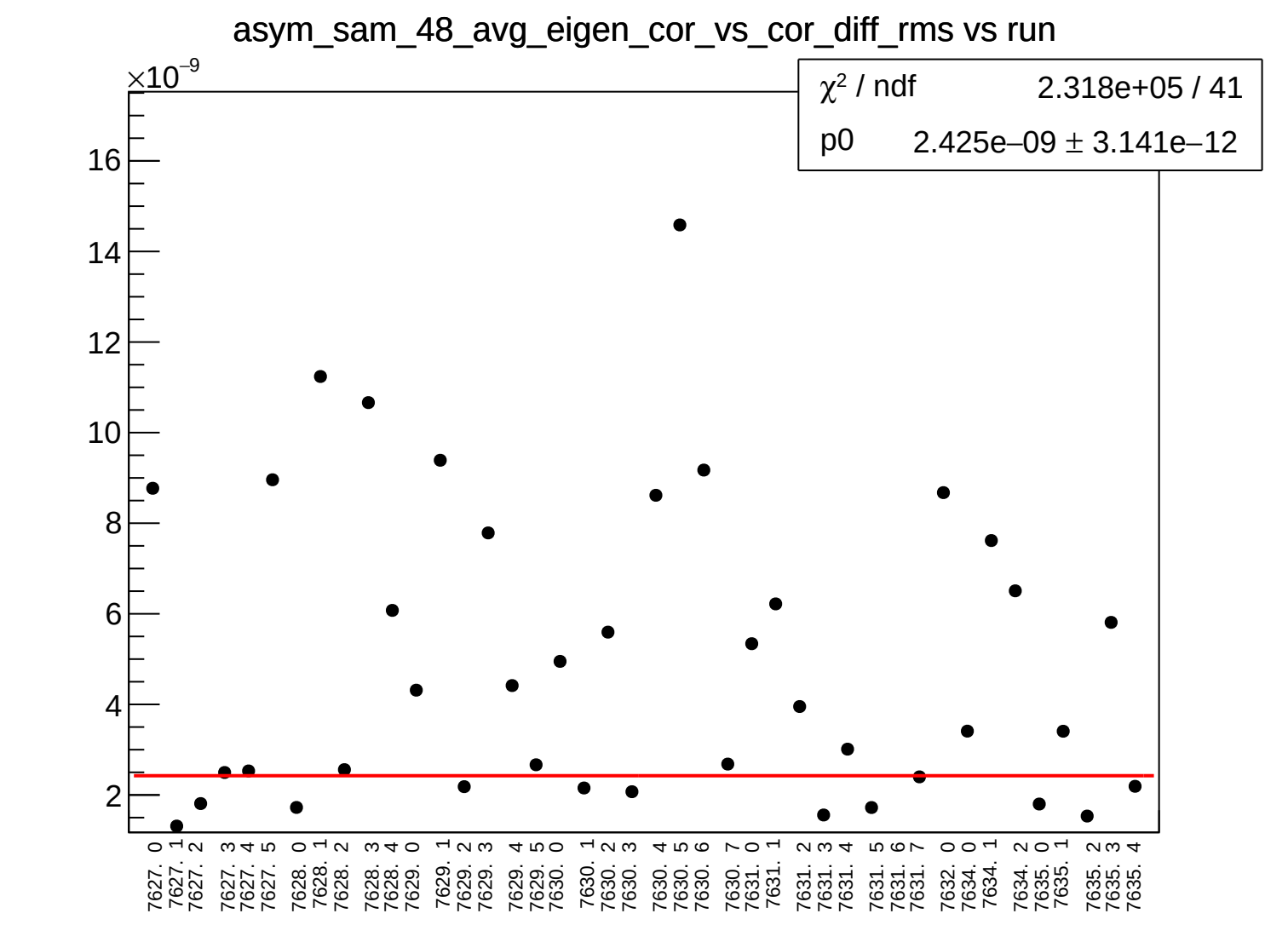

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.531e+04 / 41
p0 240.8 ± 0.2776
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

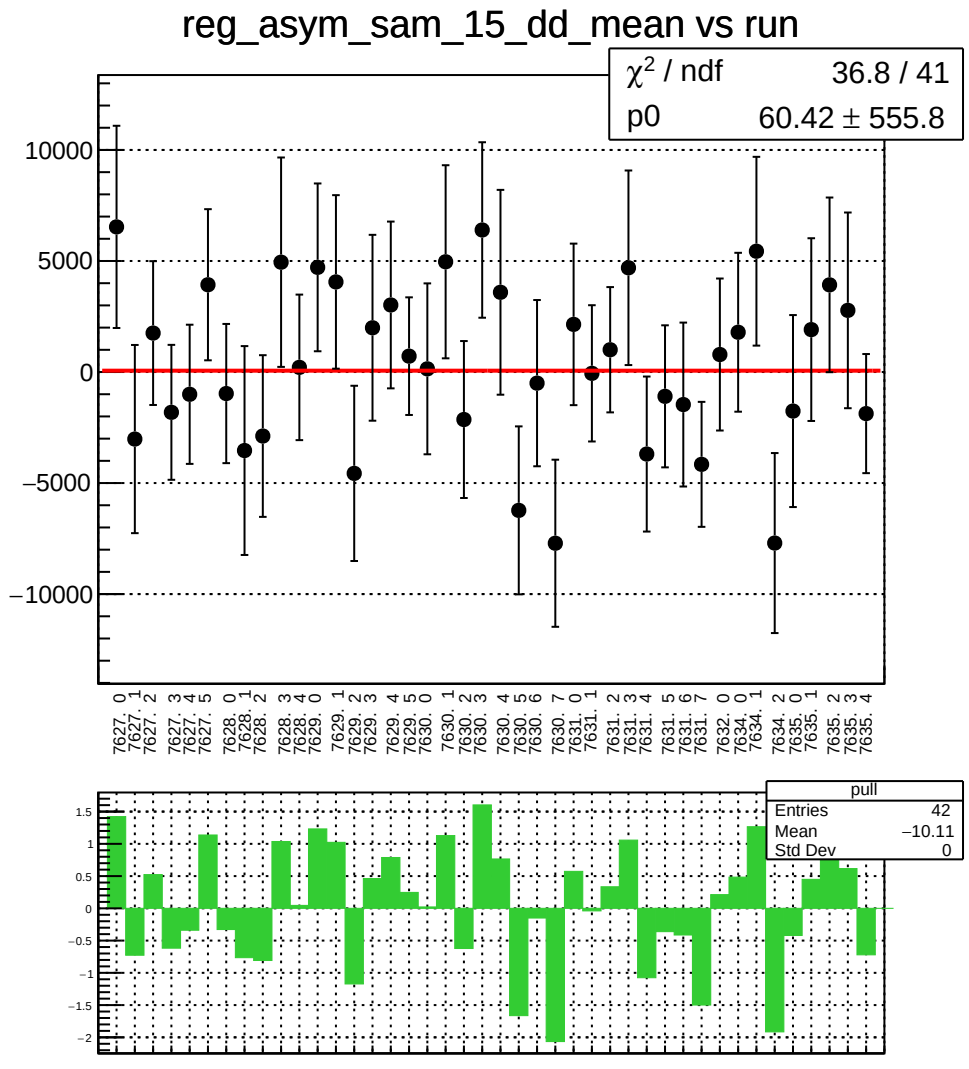

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.42 / 41
p0 0.8219 ± 0.3925
pull
Entries 42
Mean 31.87
Std Dev 0
pull1D
Entries 42
Mean 0.09061
Std Dev 1.176

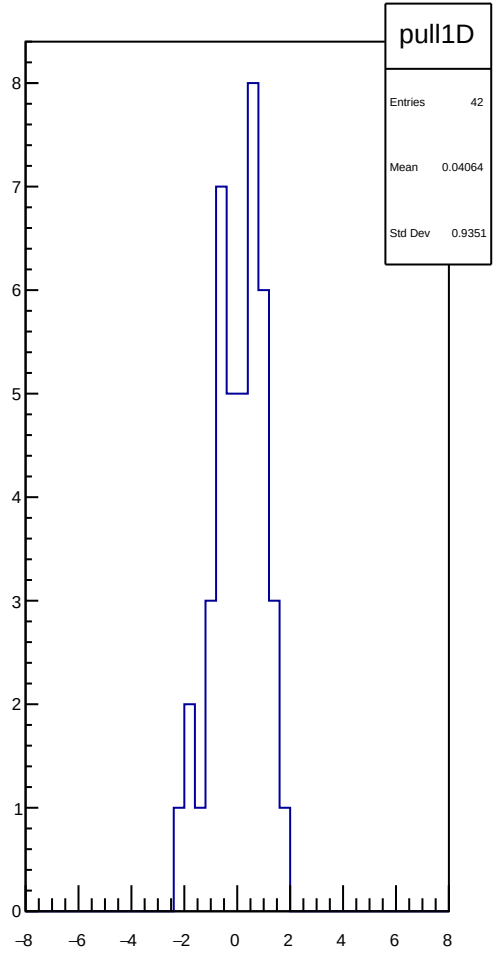

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.531e+04 / 41
p0 240.8 ± 0.2776
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

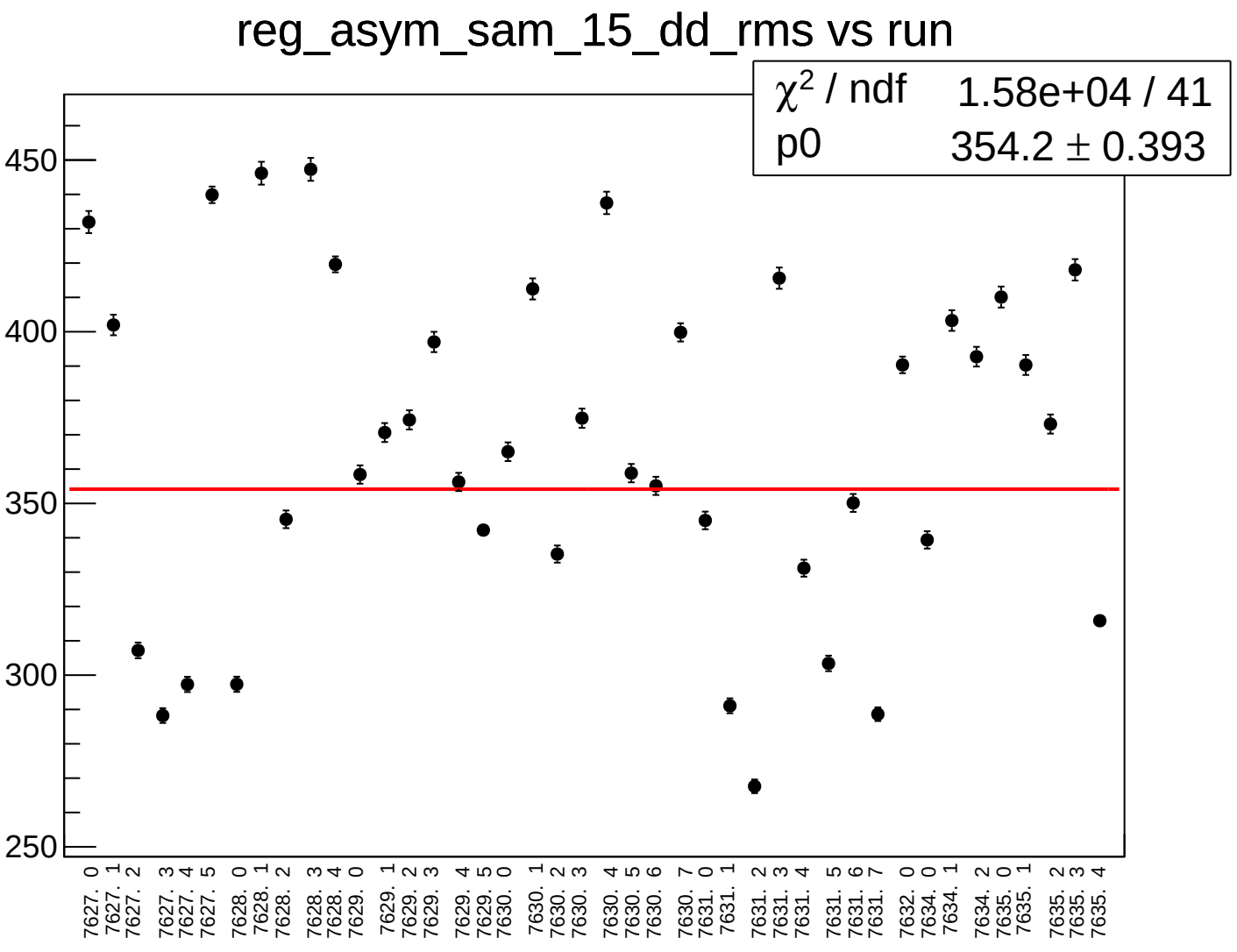

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 46.36 / 41
p0 −3.201e−12 ± 4.443e−12
pull
Entries 42
Mean 22.79
Std Dev 15.91

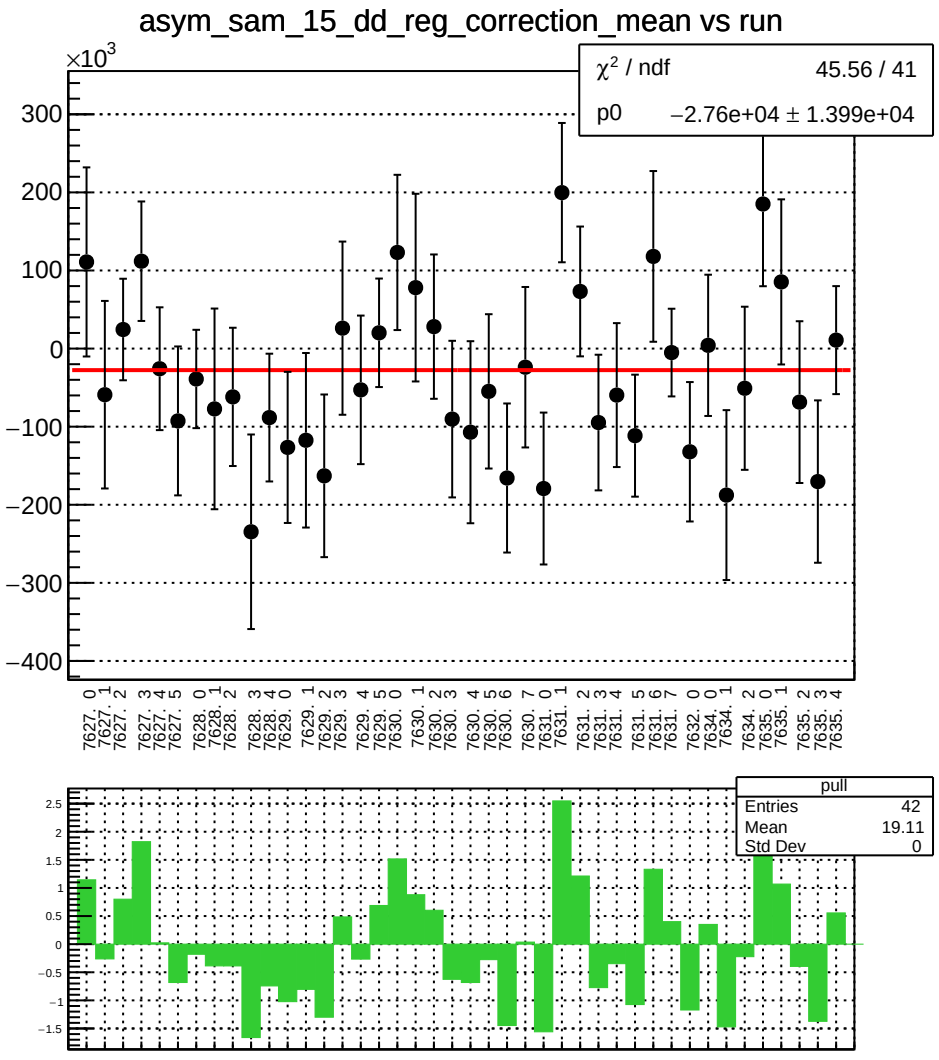

pull1D
Entries 42
Mean 0.1682
Std Dev 1.037

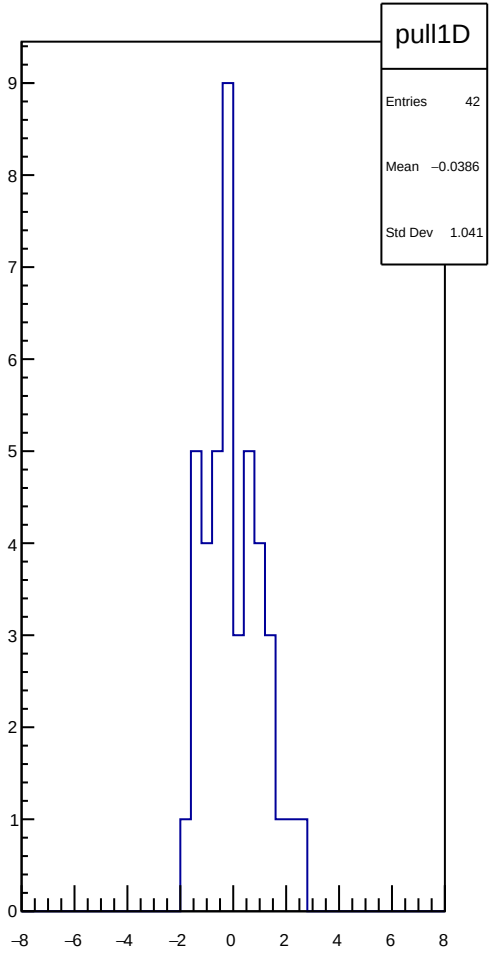

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.318e+05 / 41
p0 2.425e−09 ± 3.141e−12
16
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

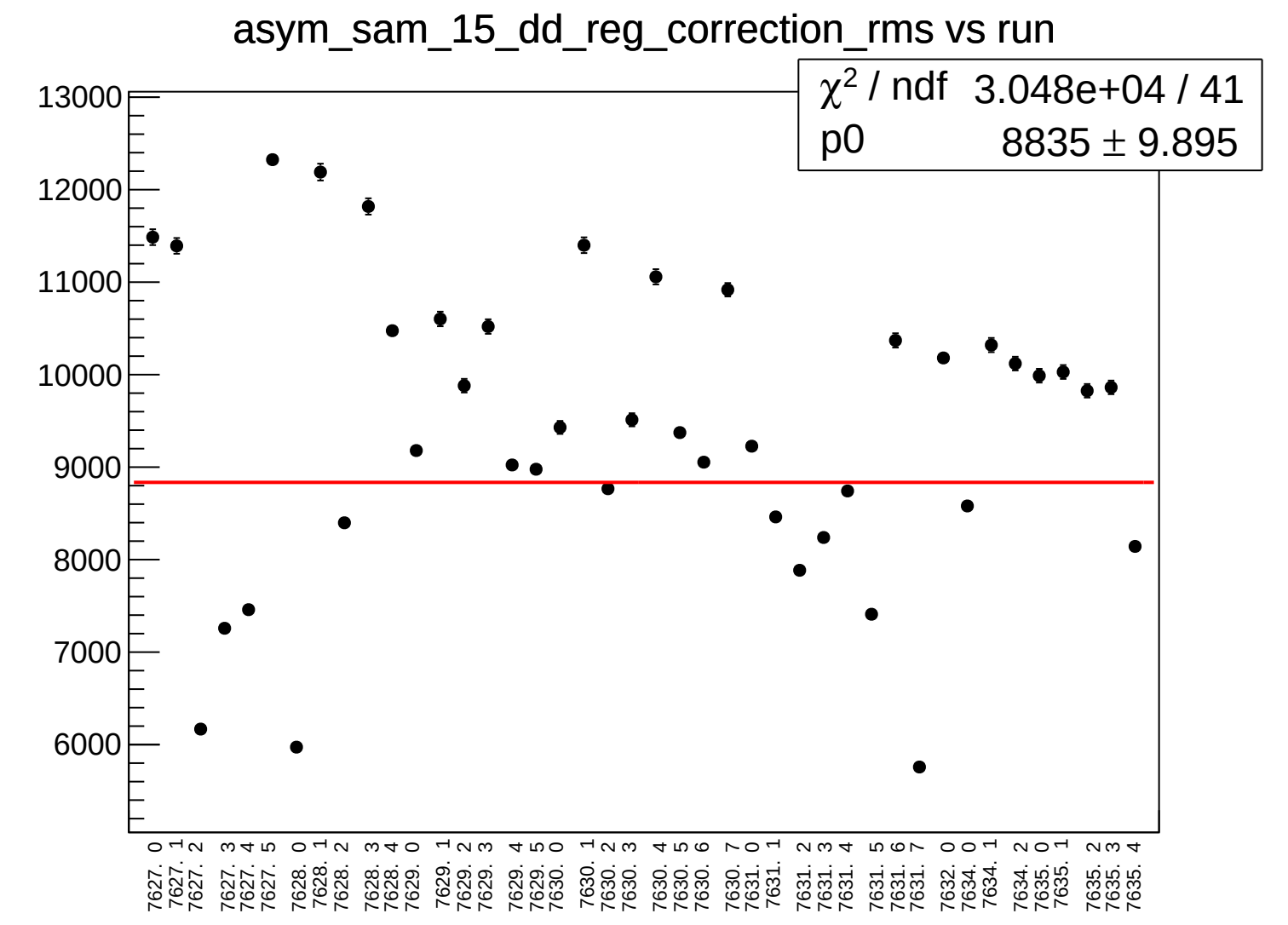

reg_asym_sam_15_dd_mean vs run
χ² / ndf 36.8 / 41
p0 60.42 ± 555.8
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.11
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

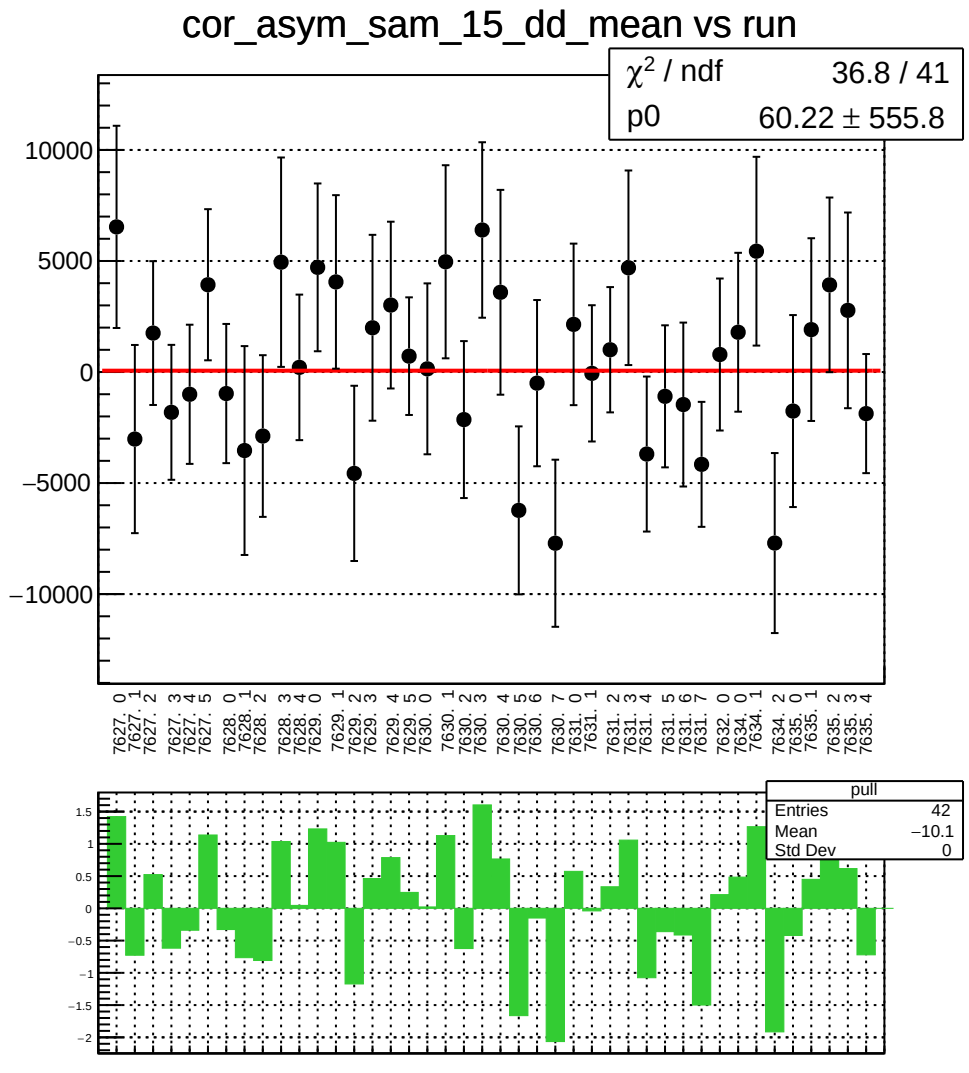

pull1D
Entries 42
Mean 0.04064
Std Dev 0.9351
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

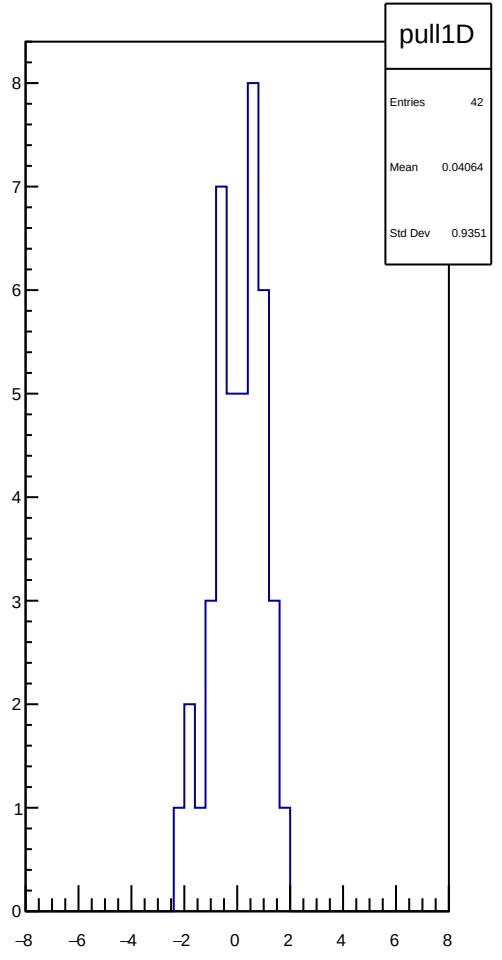

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1.58e+04 / 41
p0 354.2 ± 0.393
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

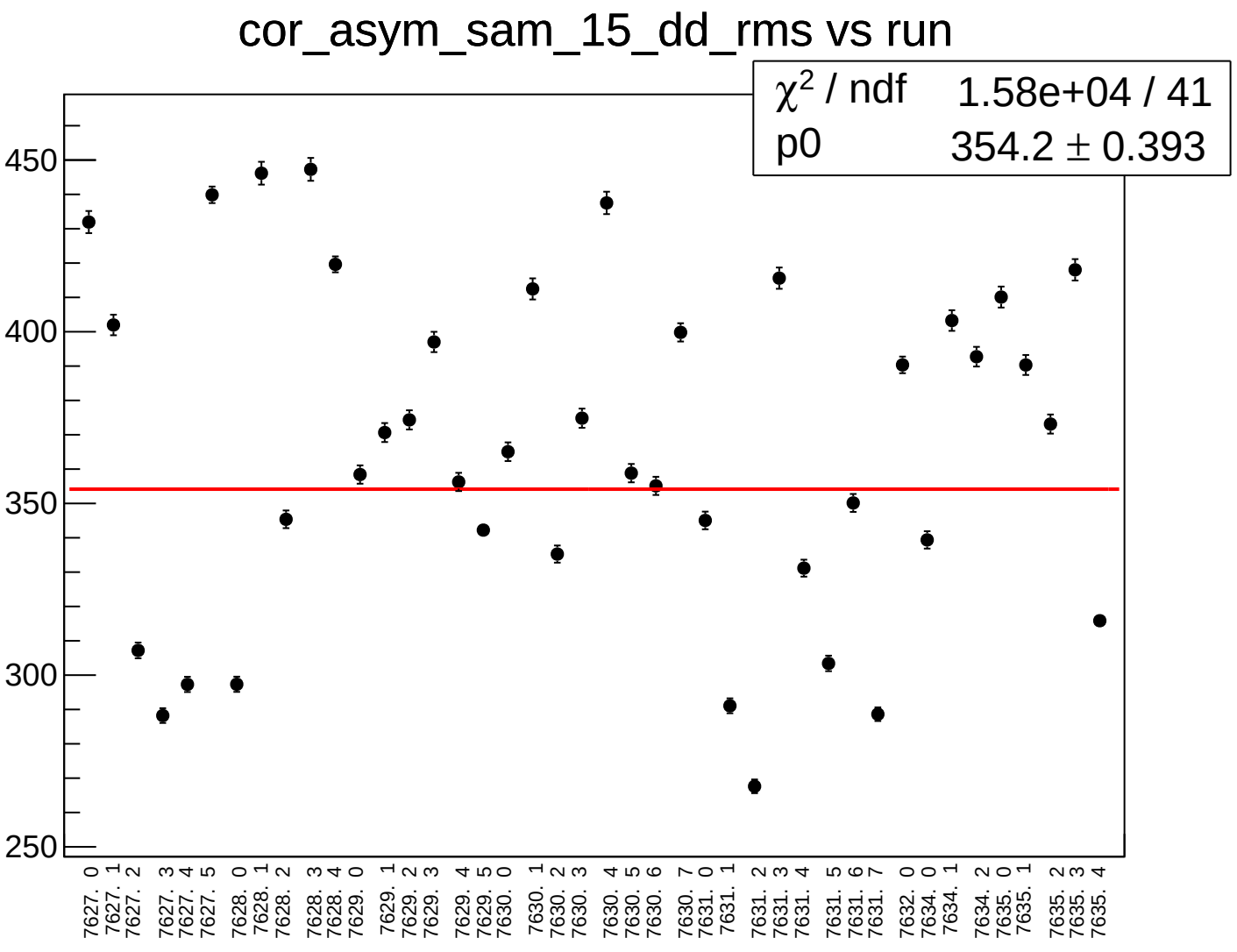

asym_sam_15_dd_reg_correction_mean vs run
×10^3
χ² / ndf 45.56 / 41
p0 −2.76e+04 ± 1.399e+04
300
200
100
0
−100
−200
−300
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 19.11
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

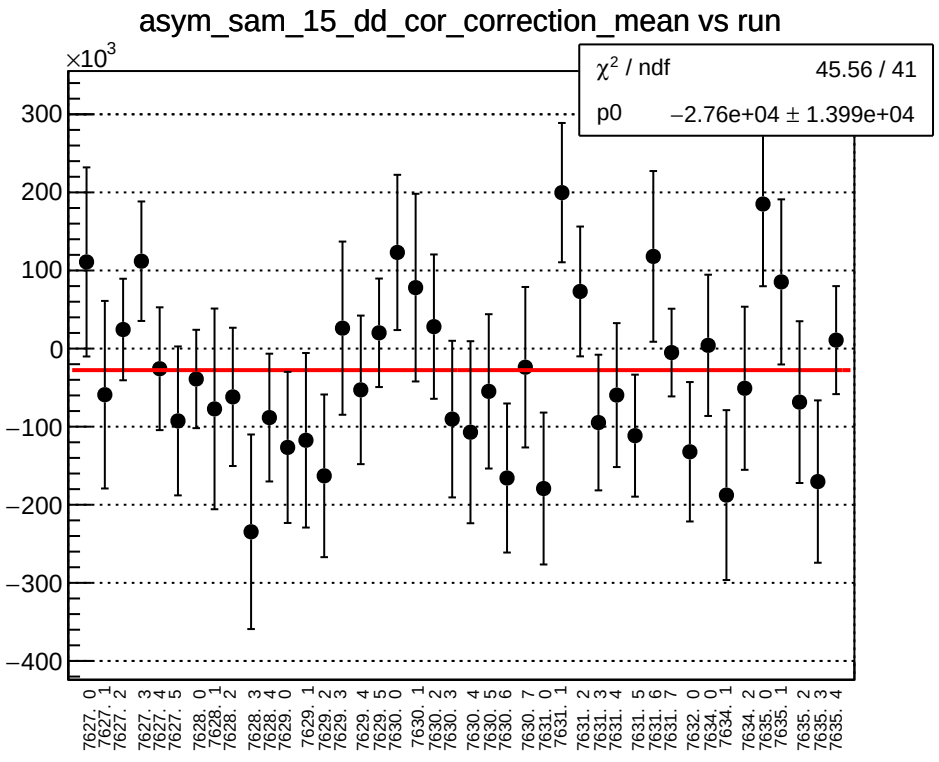

pull1D
Entries 42
Mean −0.0386
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

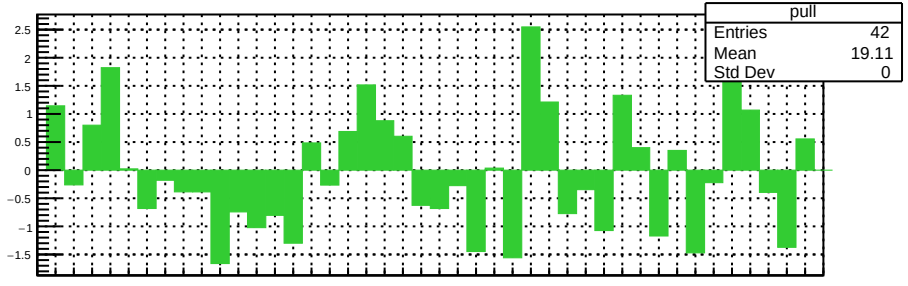

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 3.048e+04 / 41
p0 8835 ± 9.895
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

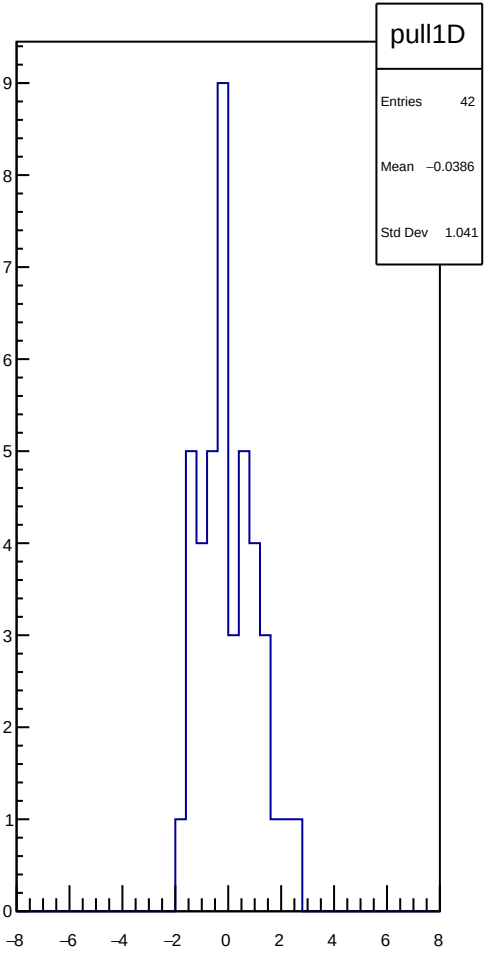

cor_asym_sam_15_dd_mean vs run
χ² / ndf 36.8 / 41
p0 60.22 ± 555.8
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

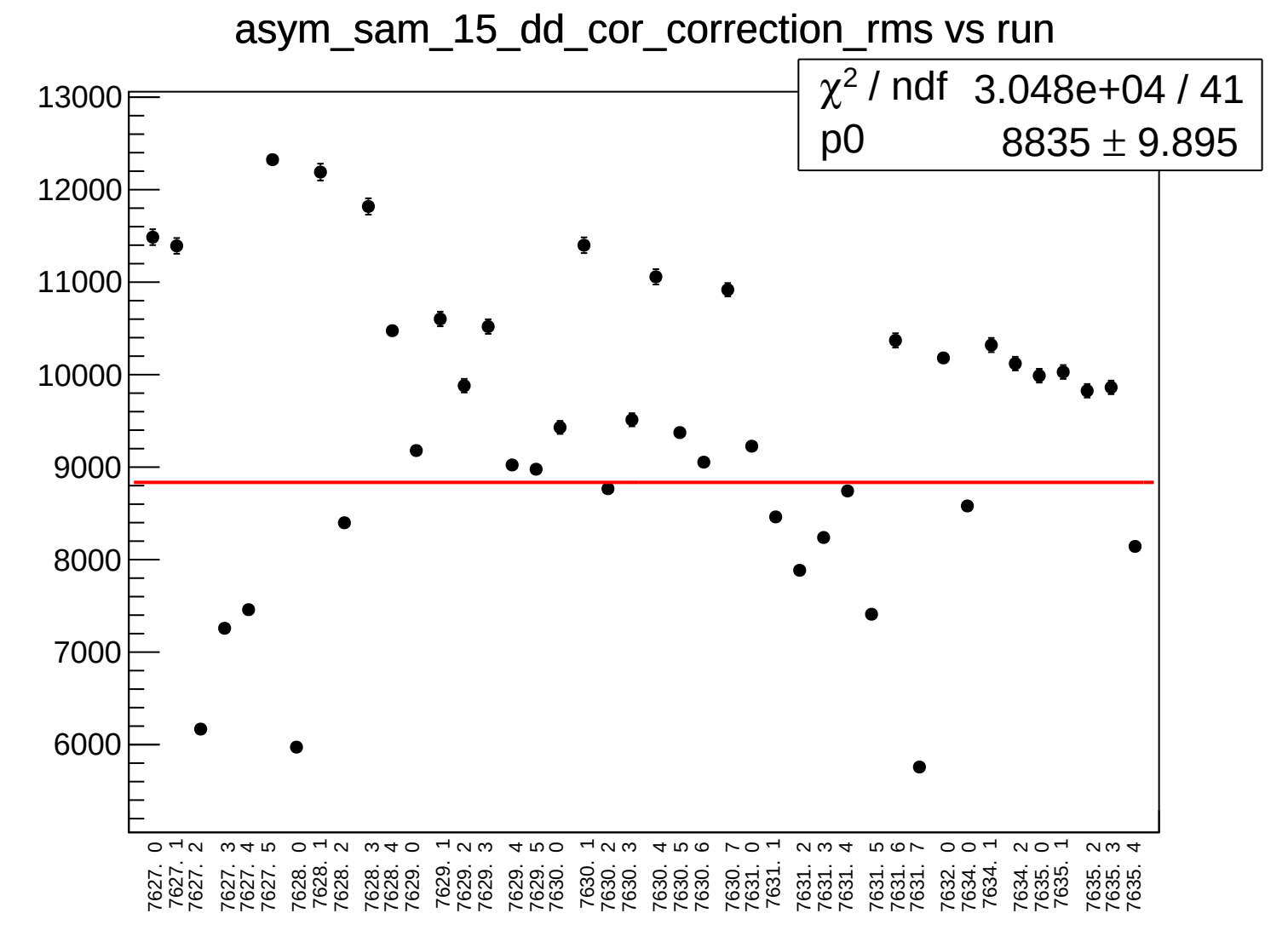

pull1D
Entries 42
Mean 0.04064
Std Dev 0.9351
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

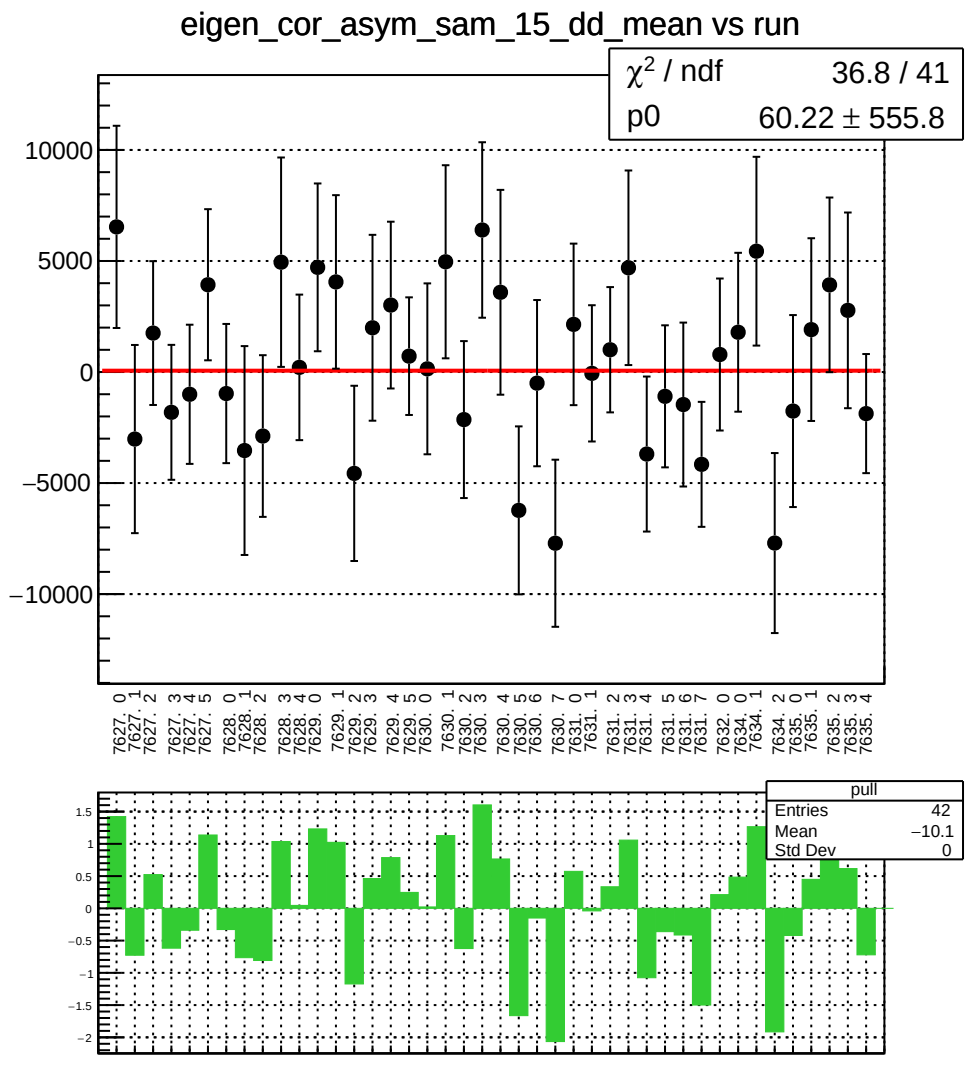

cor_asym_sam_15_dd_rms vs run
χ² / ndf 1.58e+04 / 41
p0 354.2 ± 0.393
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

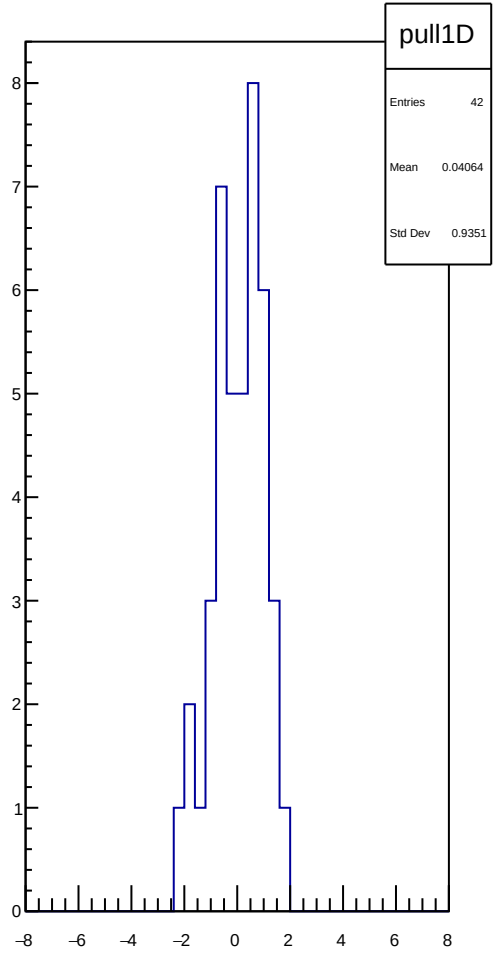

asym_sam_15_dd_cor_correction_mean vs run
×10^3
χ² / ndf 45.56 / 41
p0 −2.76e+04 ± 1.399e+04
300
200
100
0
−100
−200
−300
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

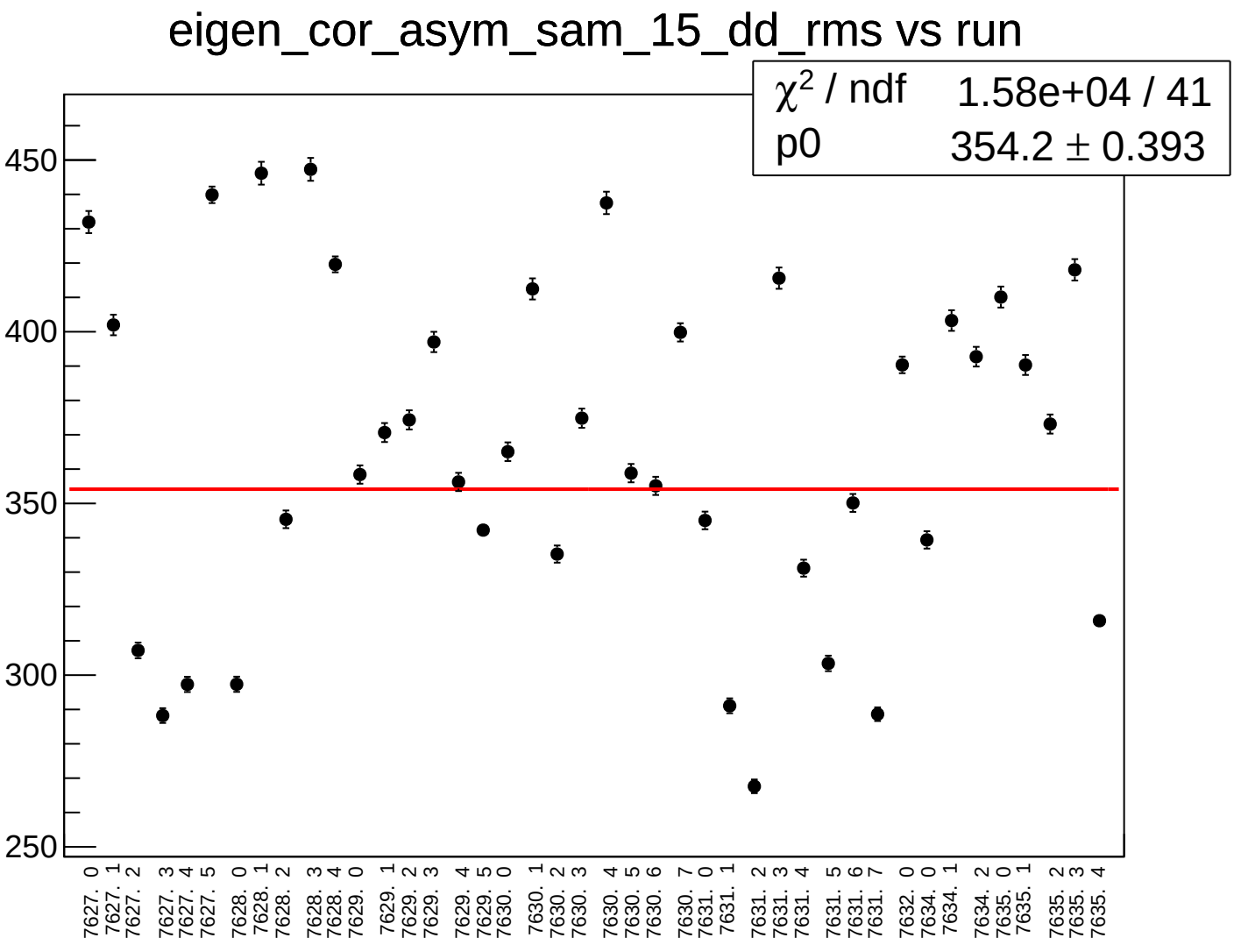

pull
Entries 42
Mean 19.11
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

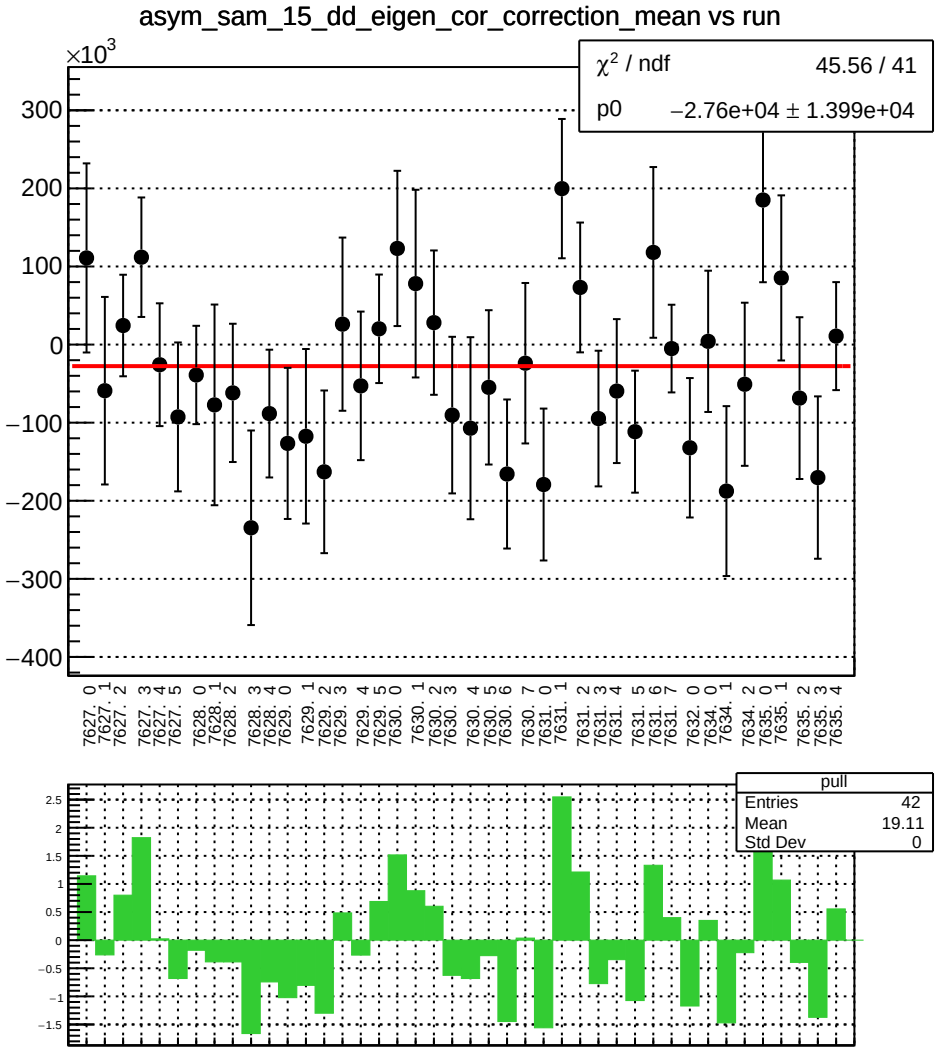

pull1D
Entries 42
Mean −0.0386
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

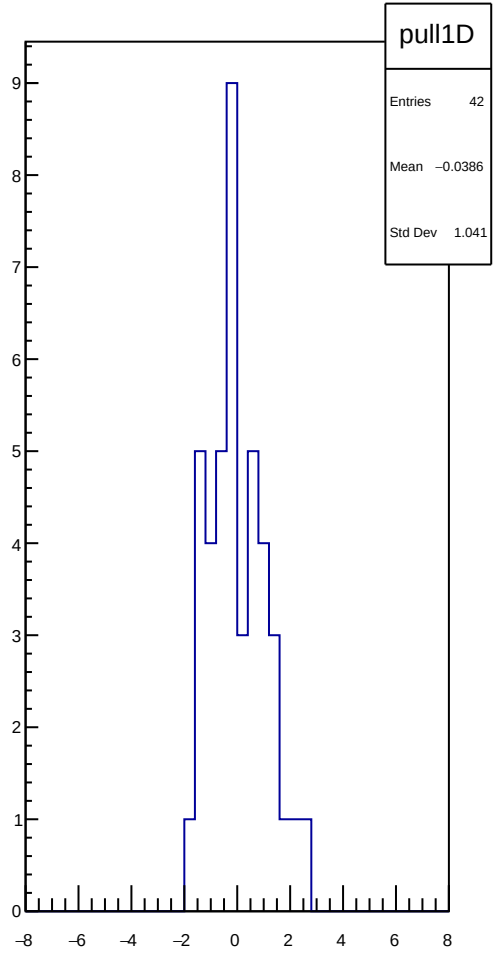

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 3.048e+04 / 41
p0 8835 ± 9.895
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

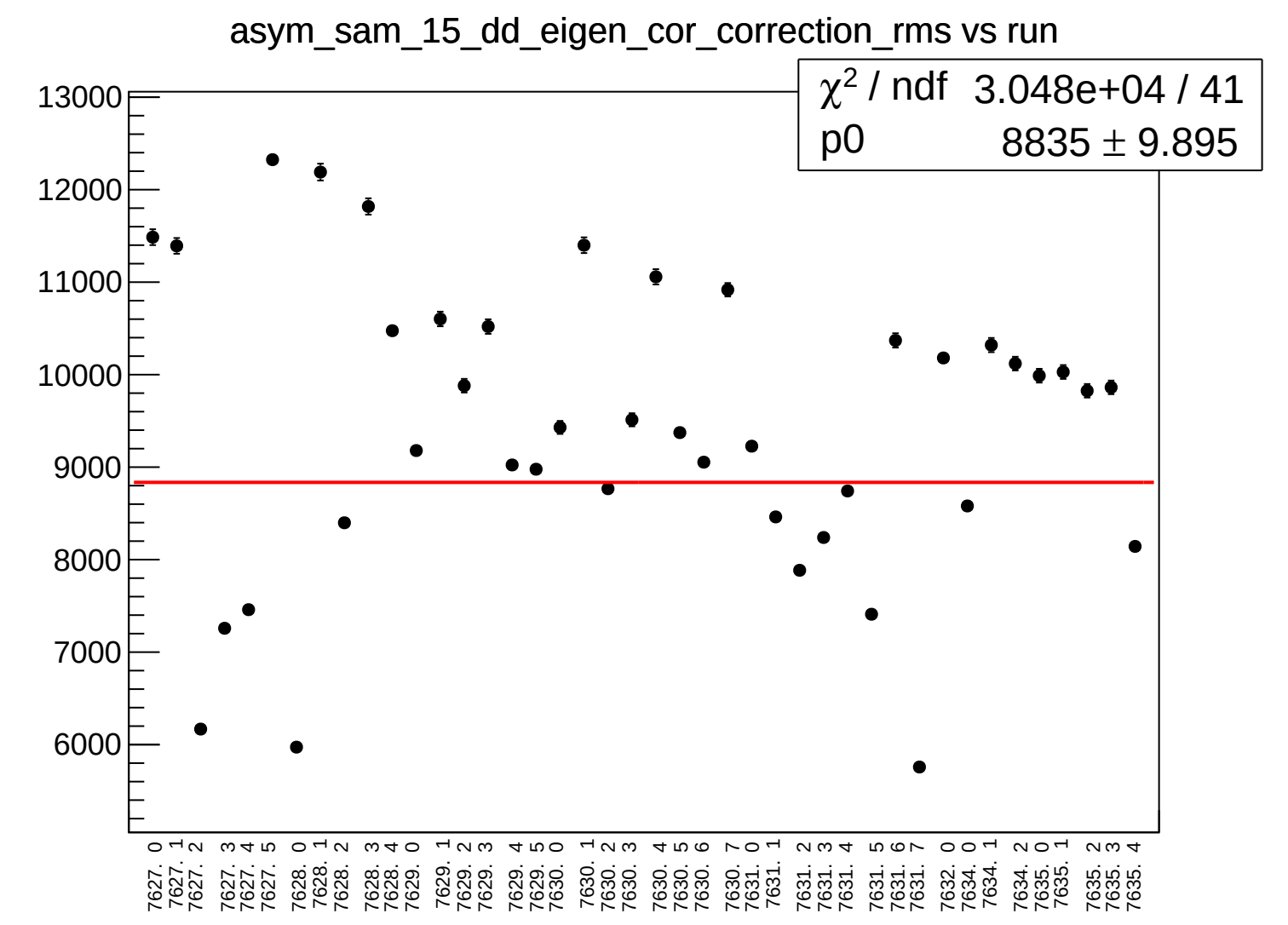

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 36.8 / 41
p0 60.22 ± 555.8
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

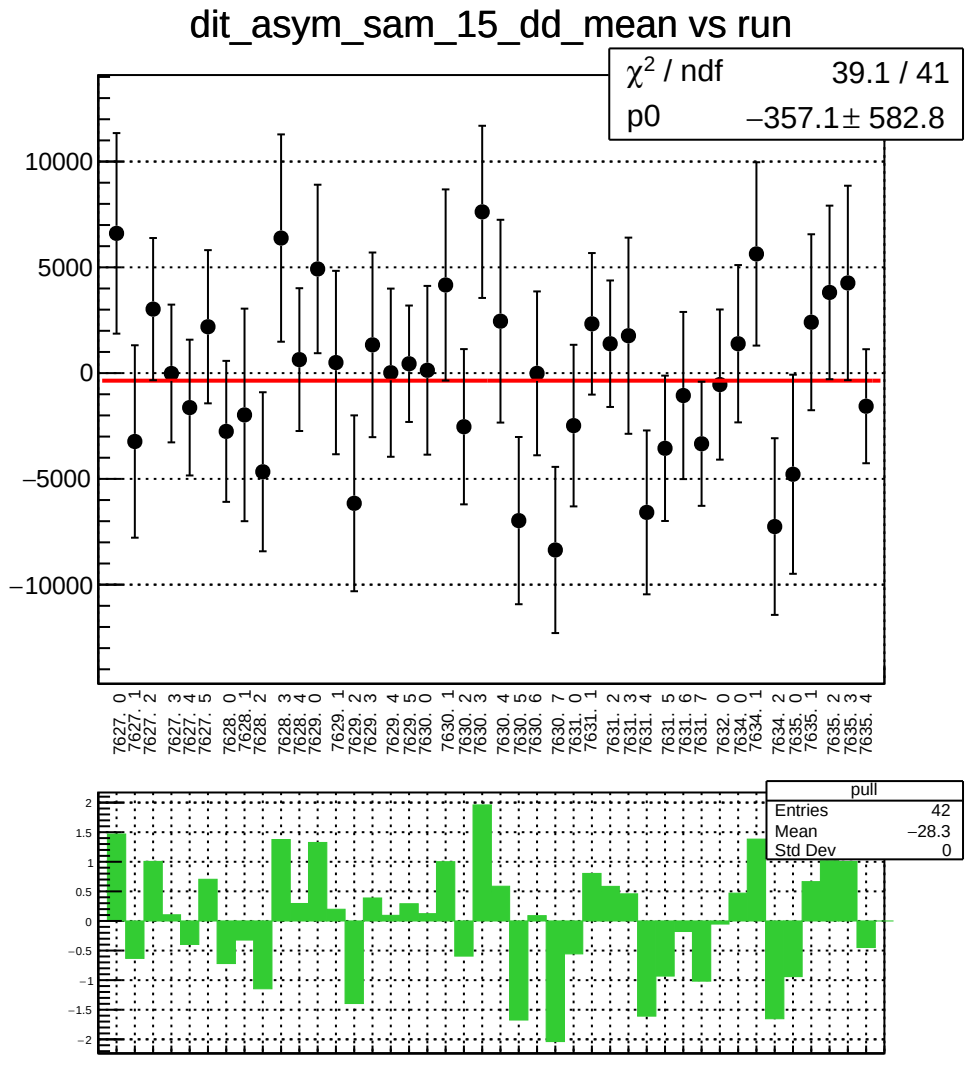

pull1D
Entries 42
Mean 0.04064
Std Dev 0.9351
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

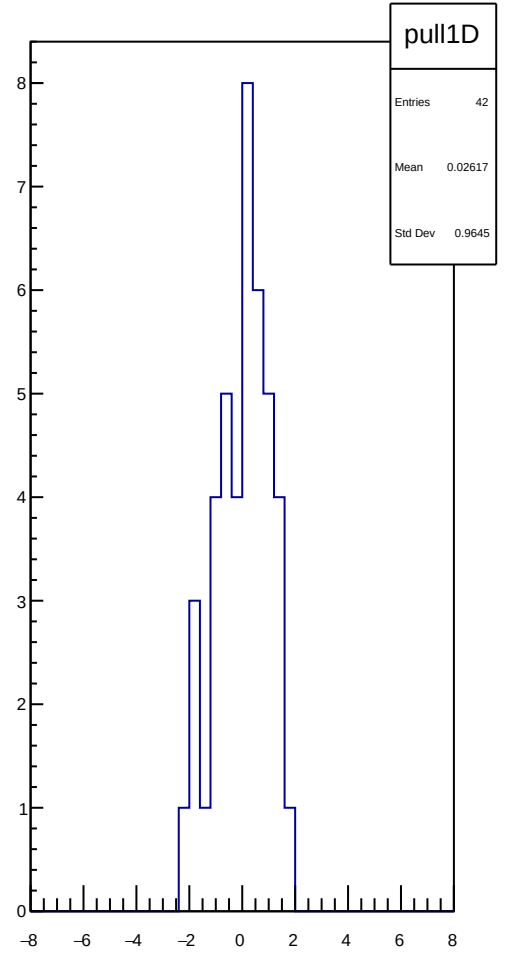

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 1.58e+04 / 41
p0 354.2 ± 0.393
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 45.56 / 41
p0 −2.76e+04 ± 1.399e+04
300
200
100
0
−100
−200
−300
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 19.11
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.0386
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.048e+04 / 41
p0 8835 ± 9.895
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_sam_15_dd_mean vs run
χ² / ndf 39.1 / 41
p0 −357.1 ± 582.8
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.02617
Std Dev 0.9645
8
7
6
5
4
3
2
1
0
−8
−6
−4
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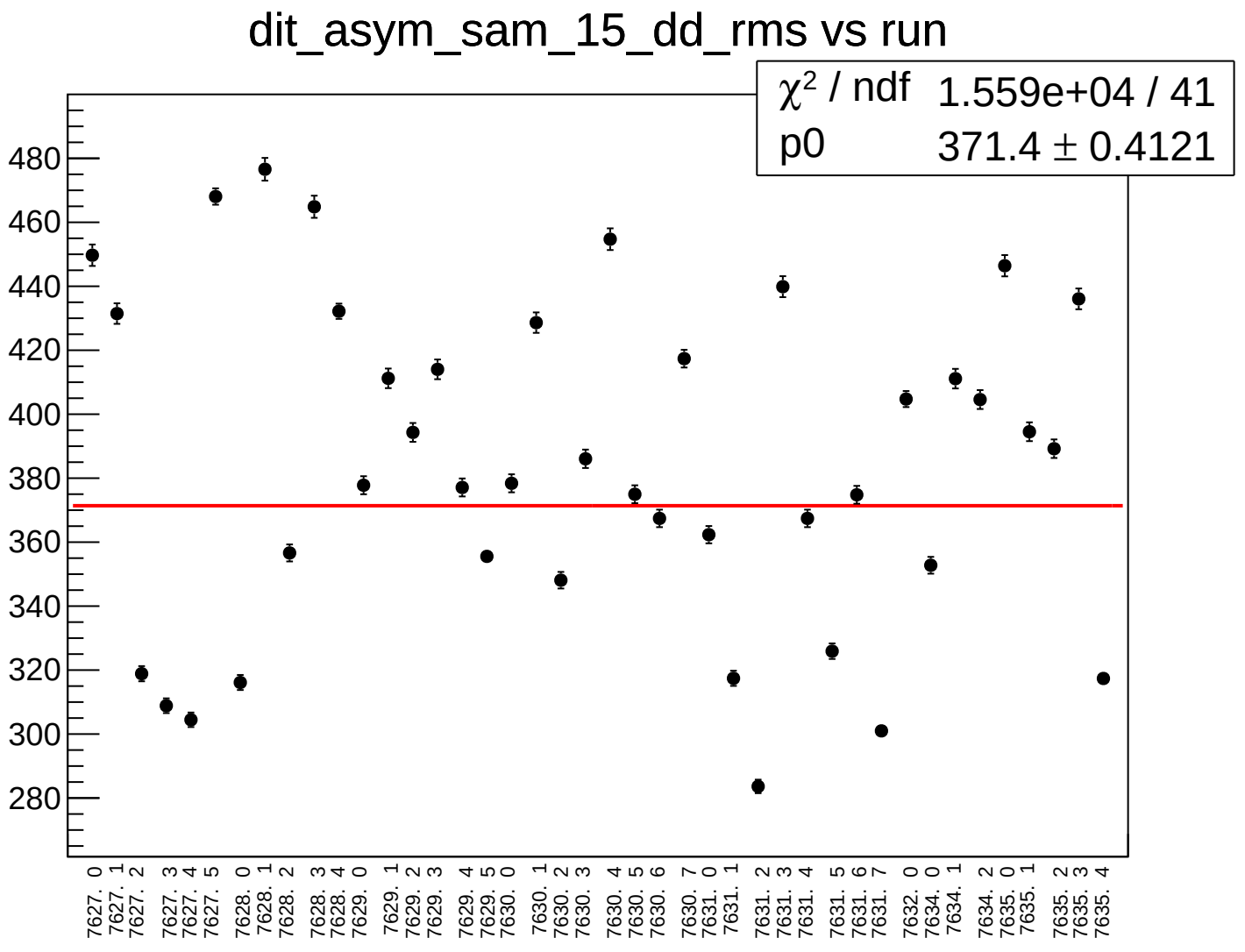
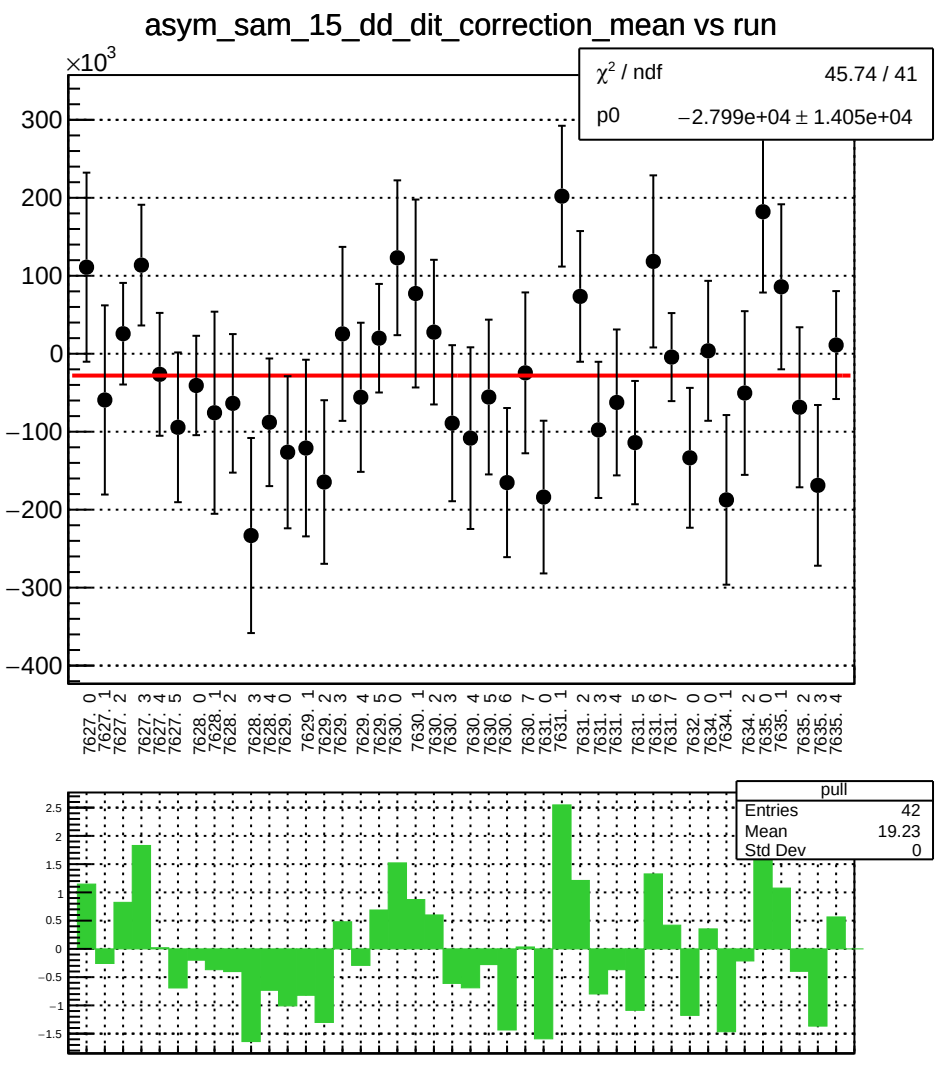
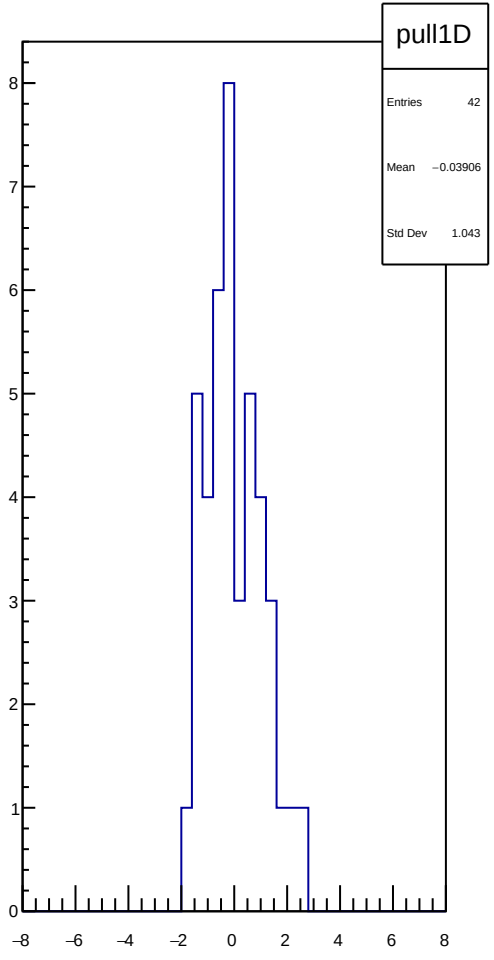
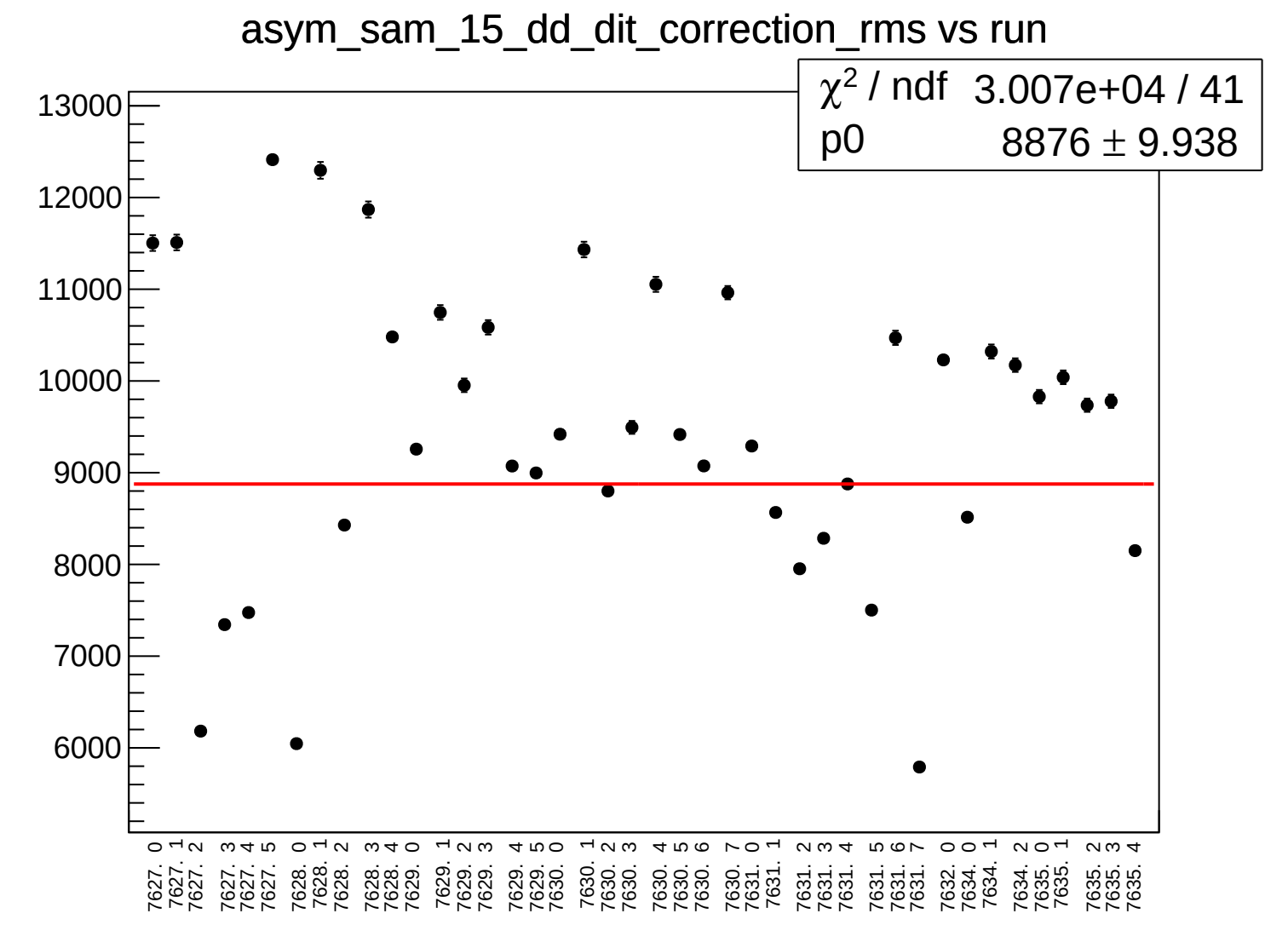
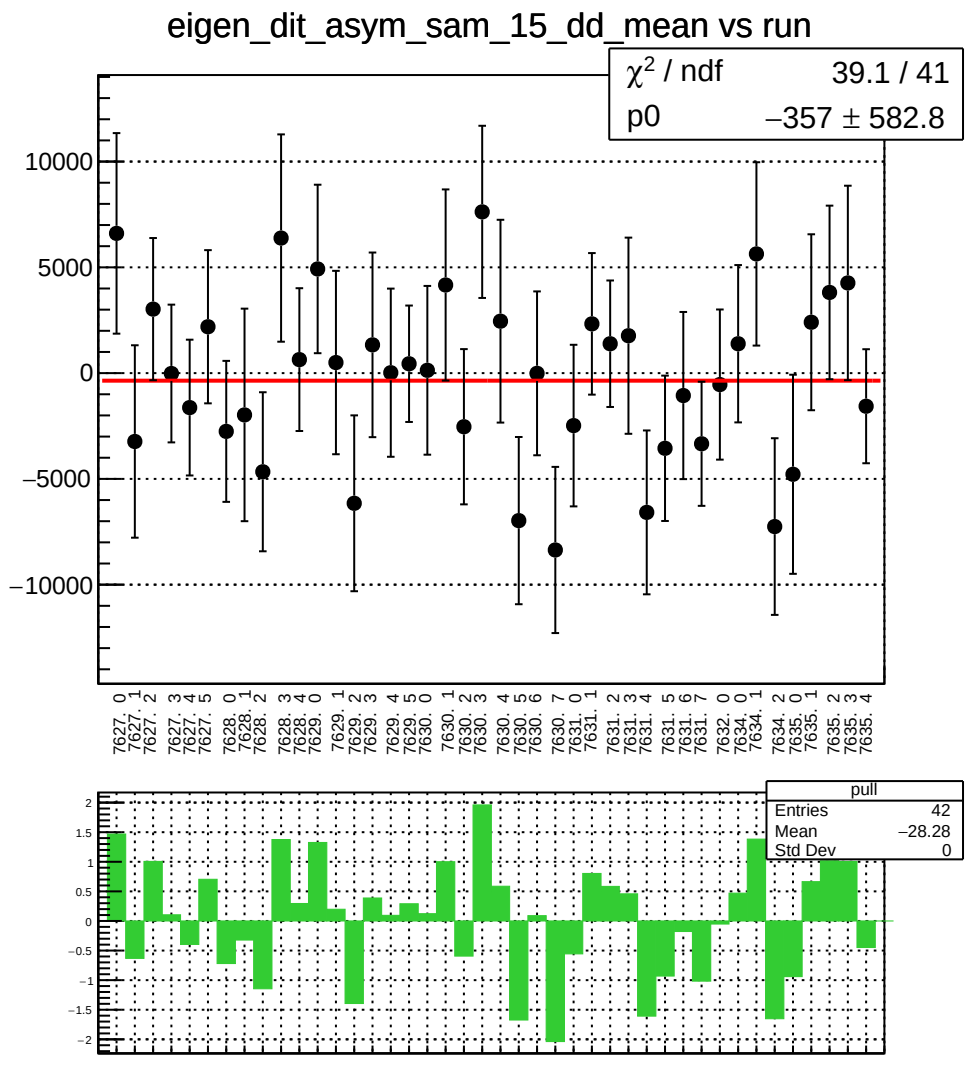
2
4
6
8

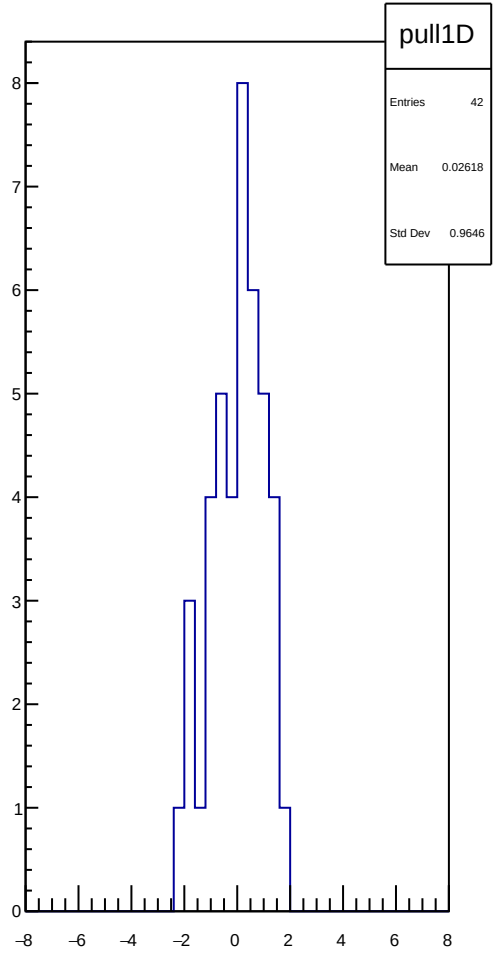

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1.559e+04 / 41
p0 371.4 ± 0.4121
480
460
440
420
400
380
360
340
320
300
280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

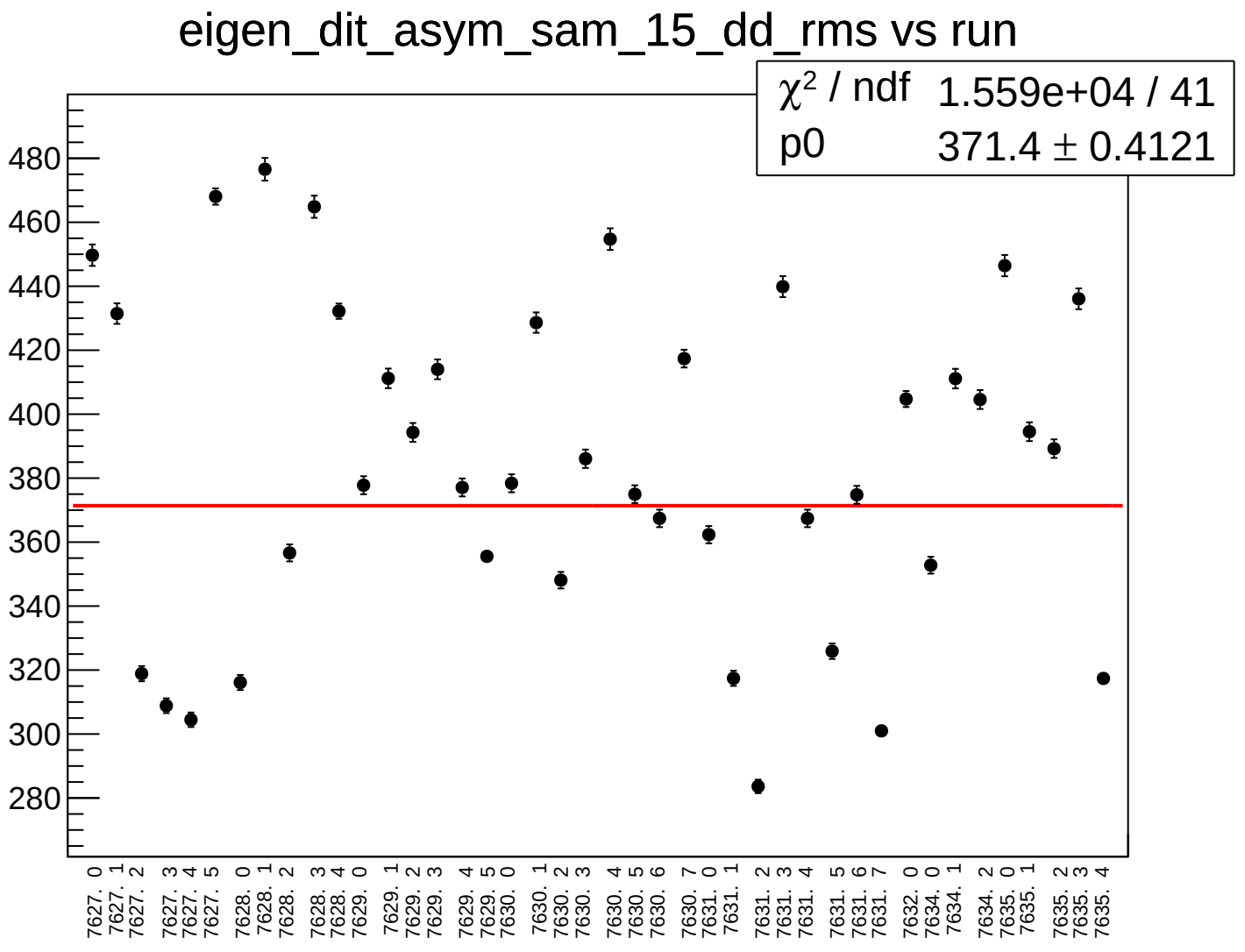

asym_sam_15_dd_dit_correction_mean vs run
×10^3
χ² / ndf 45.74 / 41
p0 −2.799e+04 ± 1.405e+04
300
200
100
0
−100
−200
−300
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 19.23
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

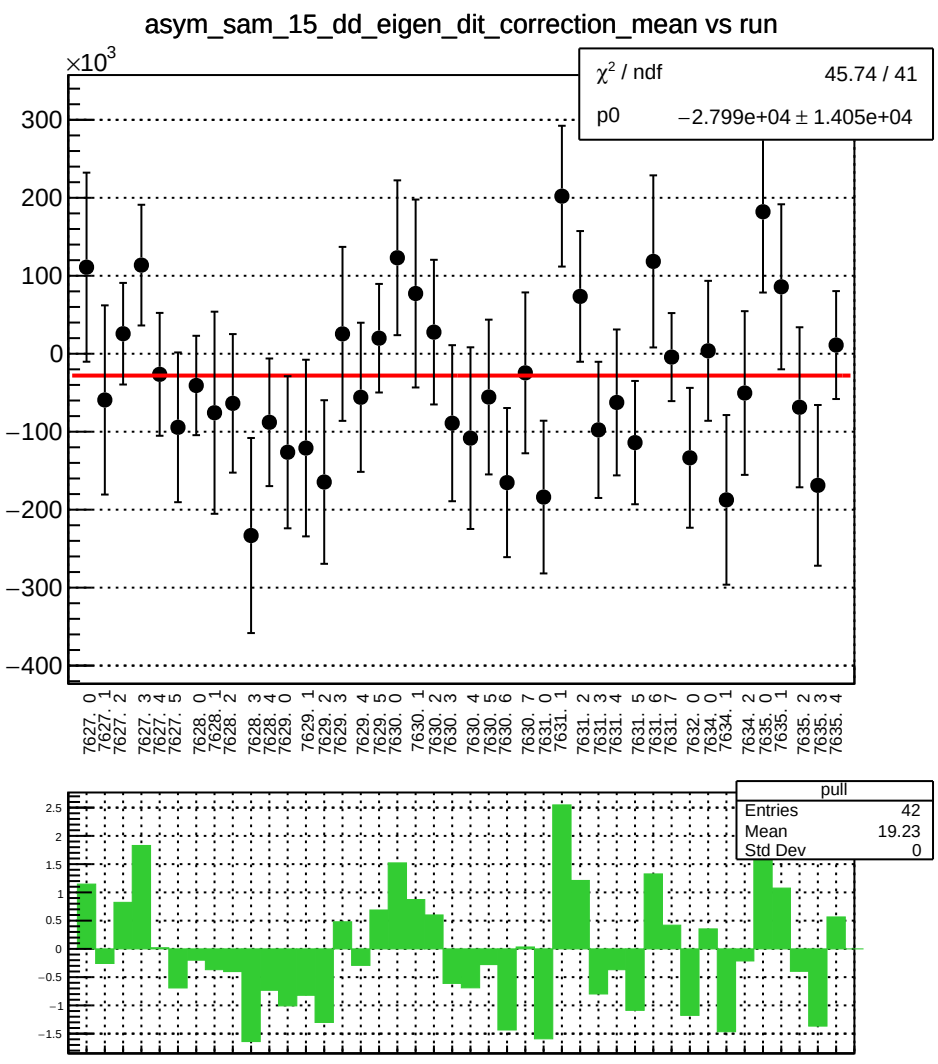

pull1D
Entries 42
Mean −0.03906
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

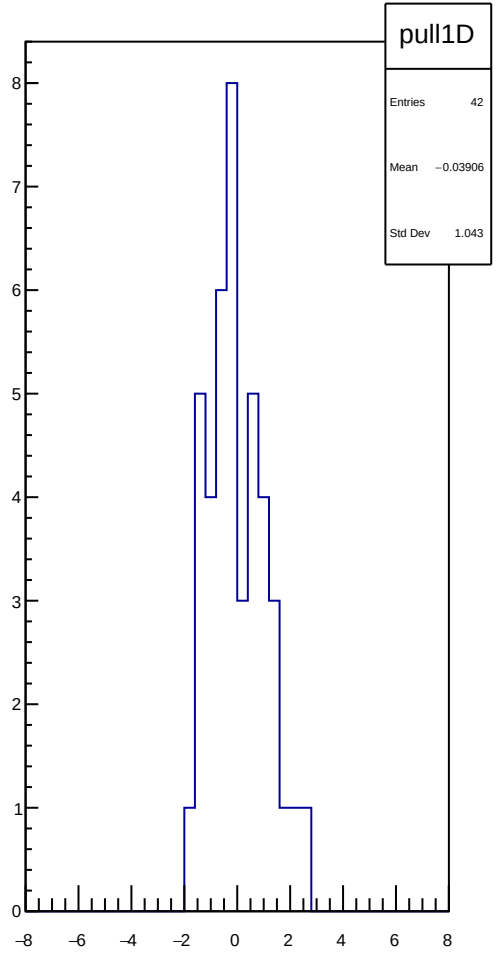

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 3.007e+04 / 41
p0 8876 ± 9.938
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

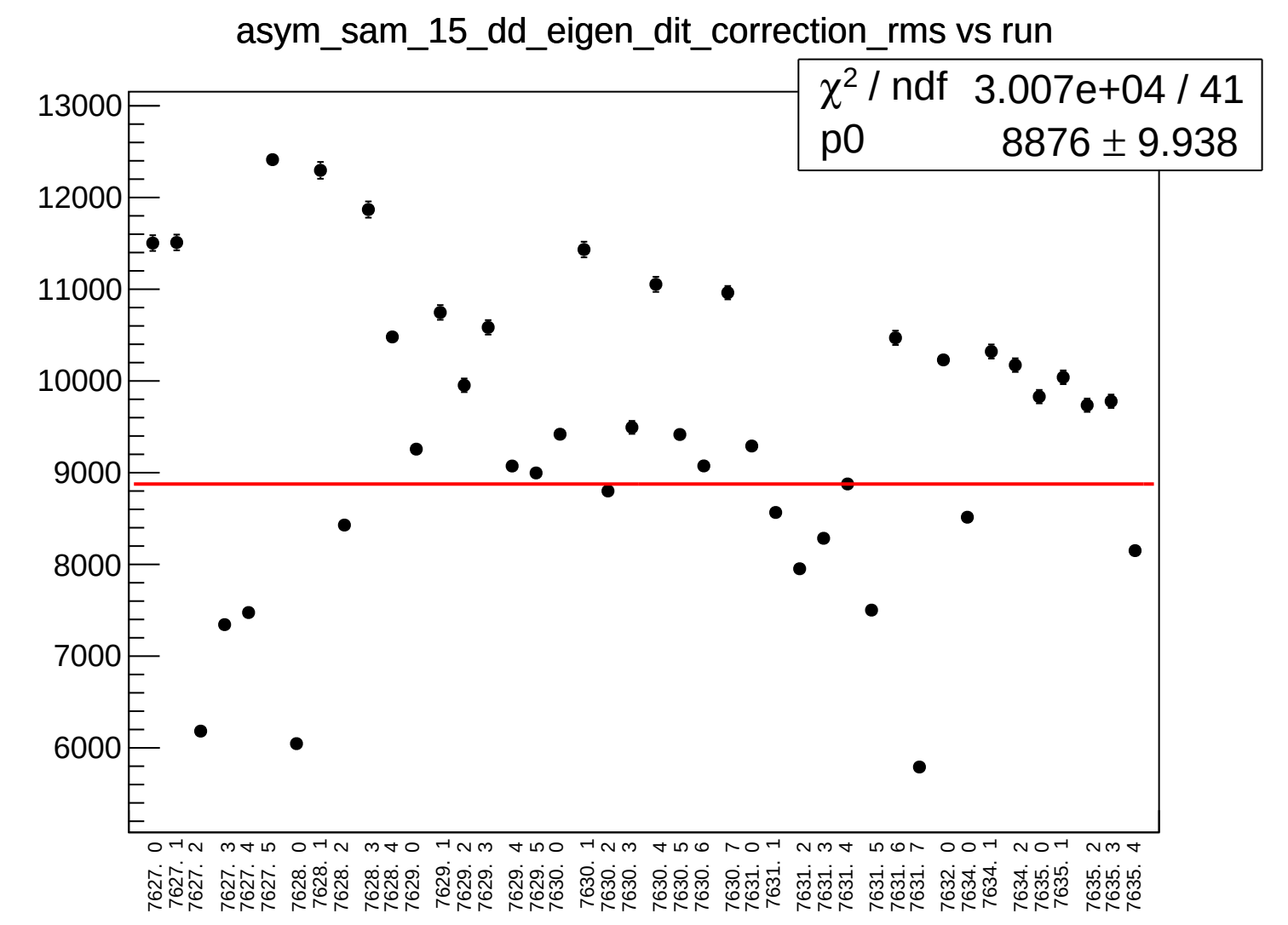

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 39.1 / 41
p0 −357 ± 582.8
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

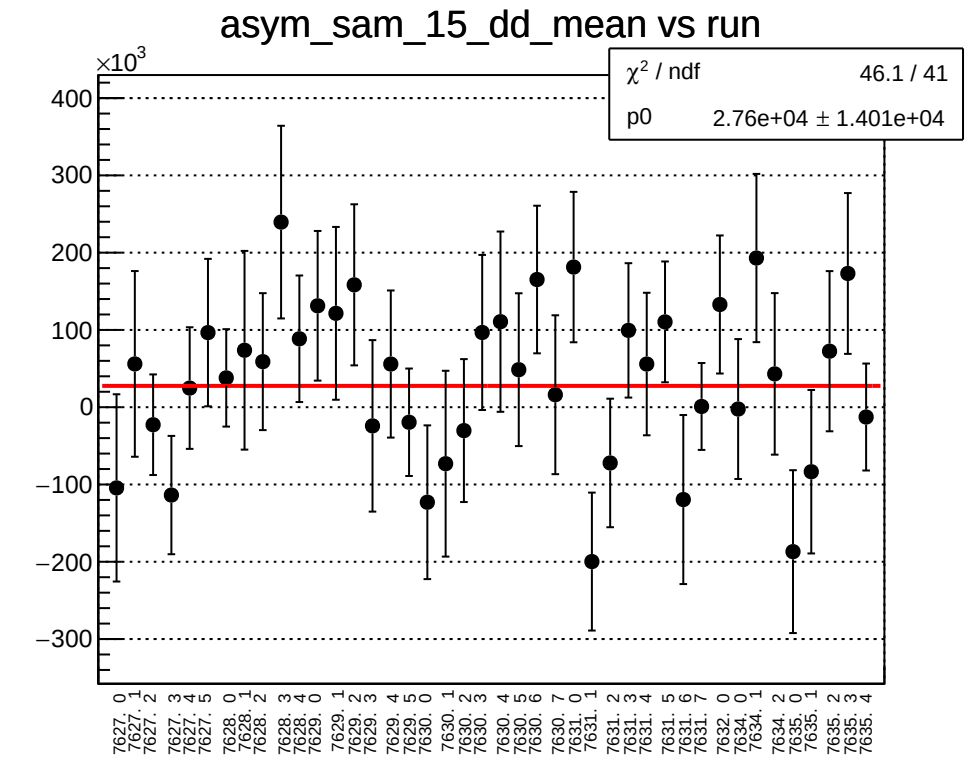

pull1D
Entries 42
Mean 0.02618
Std Dev 0.9646
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

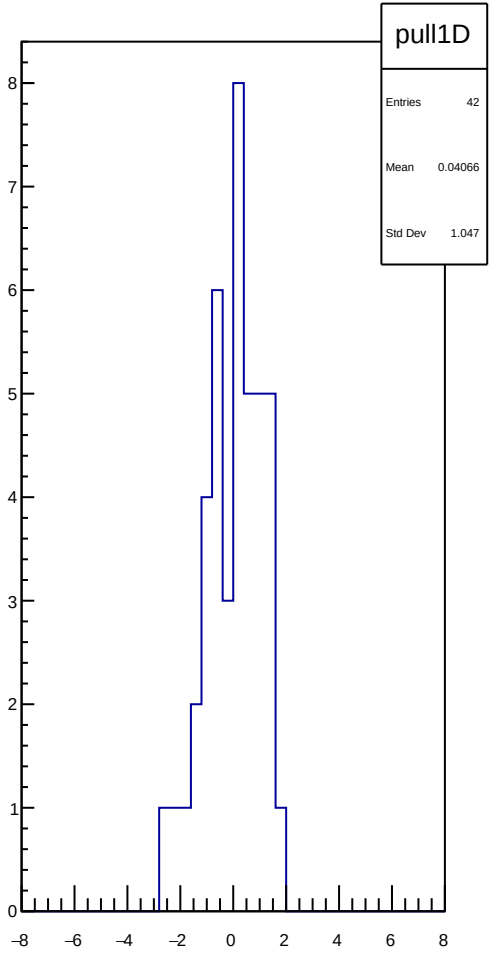

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 1.559e+04 / 41
p0 371.4 ± 0.4121
480
460
440
420
400
380
360
340
320
300
280
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

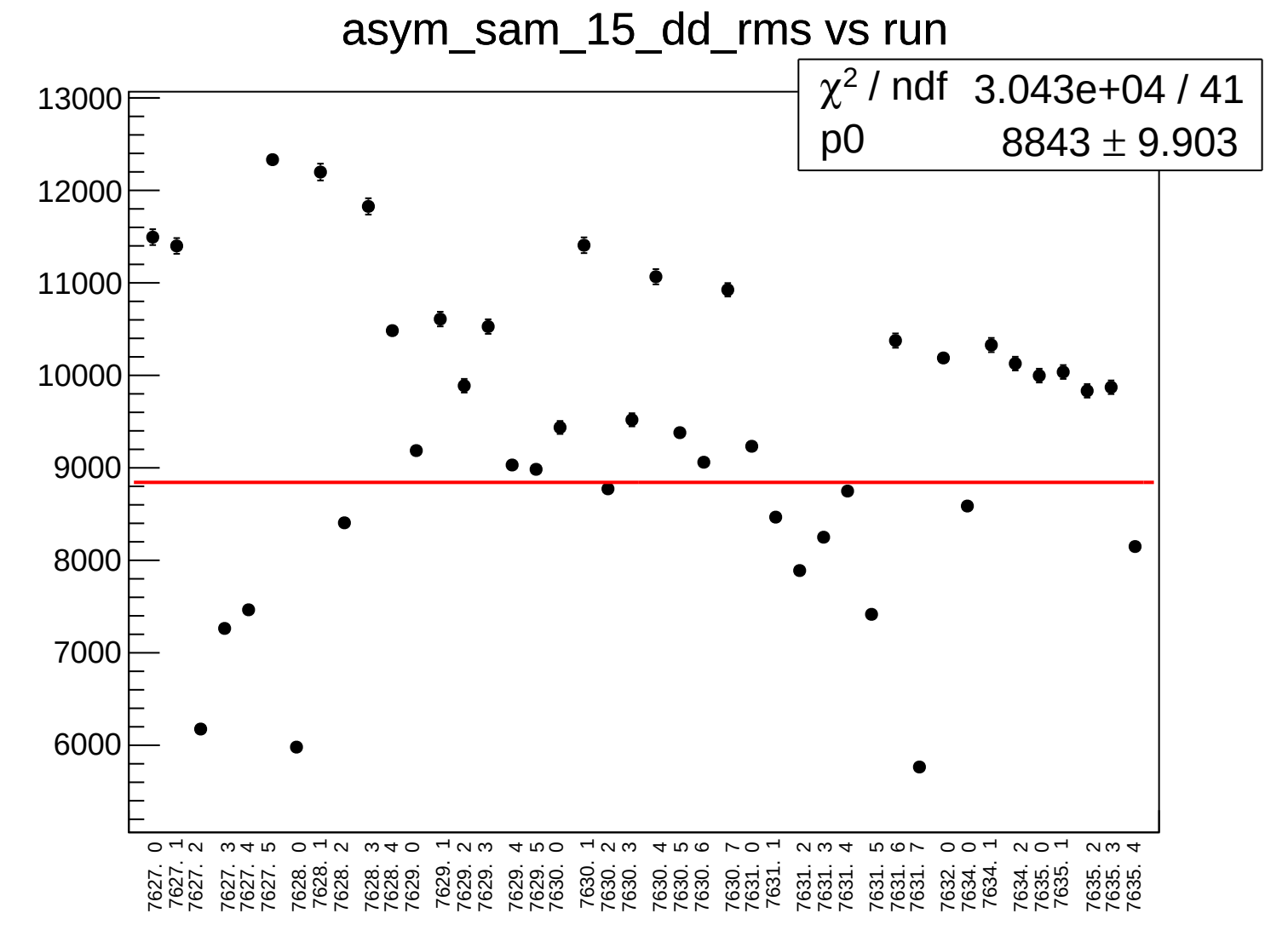

asym_sam_15_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.74 / 41
p0 −2.799e+04 ± 1.405e+04
300
200
100
0
−100
−200
−300
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 19.23
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

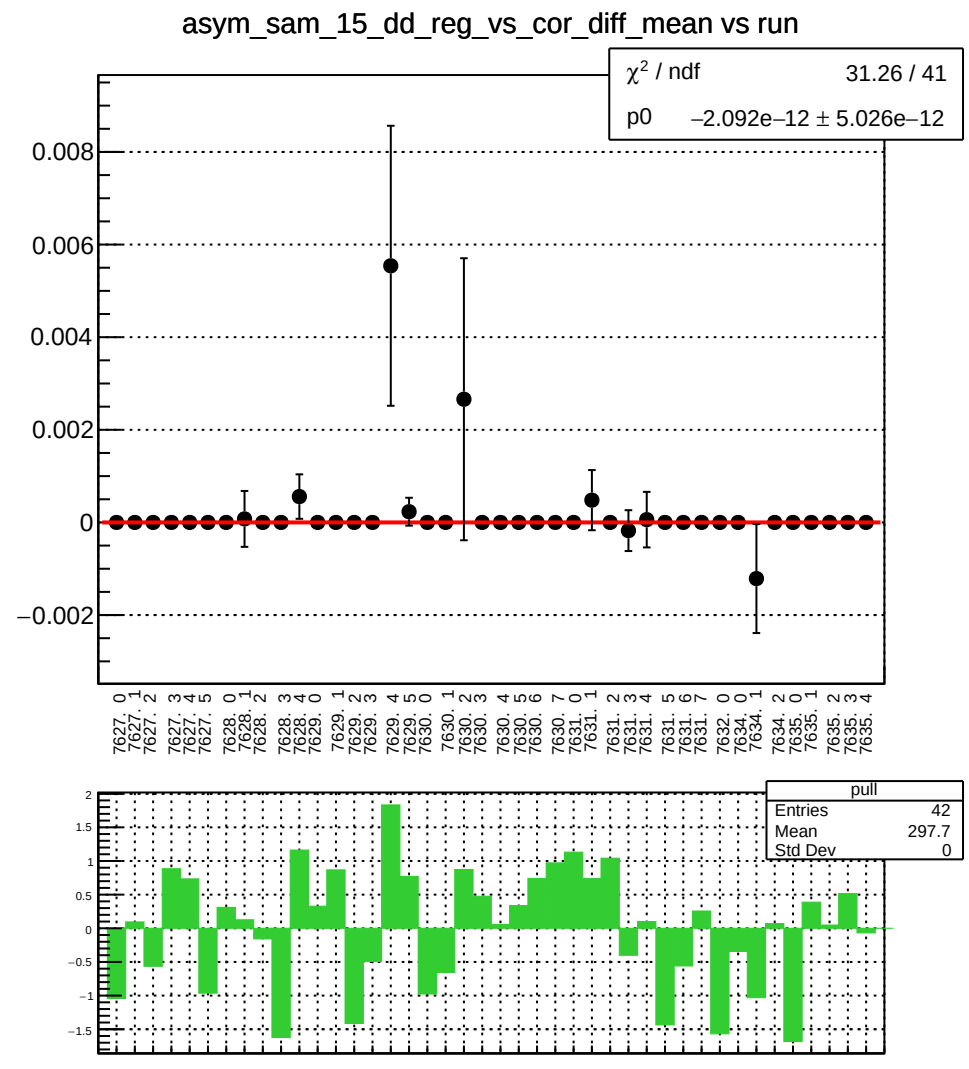

pull1D
Entries 42
Mean −0.03906
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

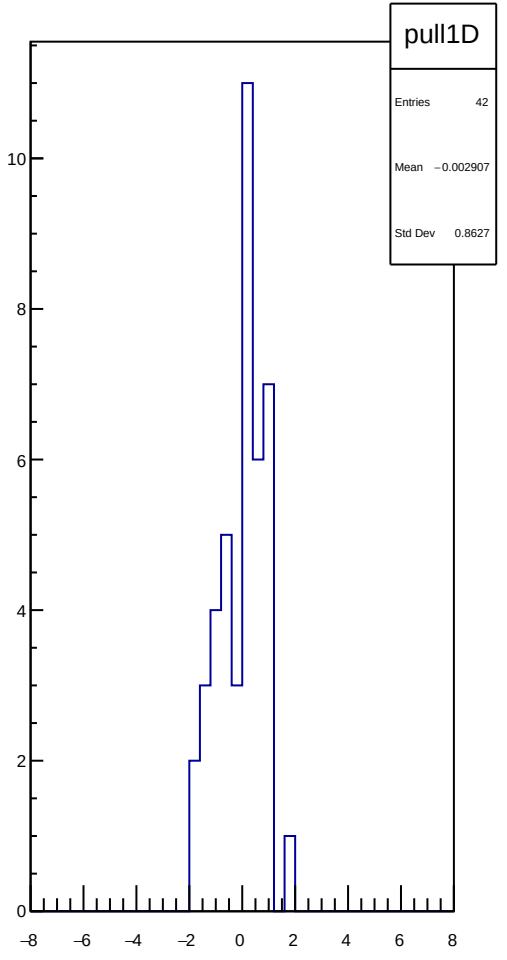

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.007e+04 / 41
p0 8876 ± 9.938
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

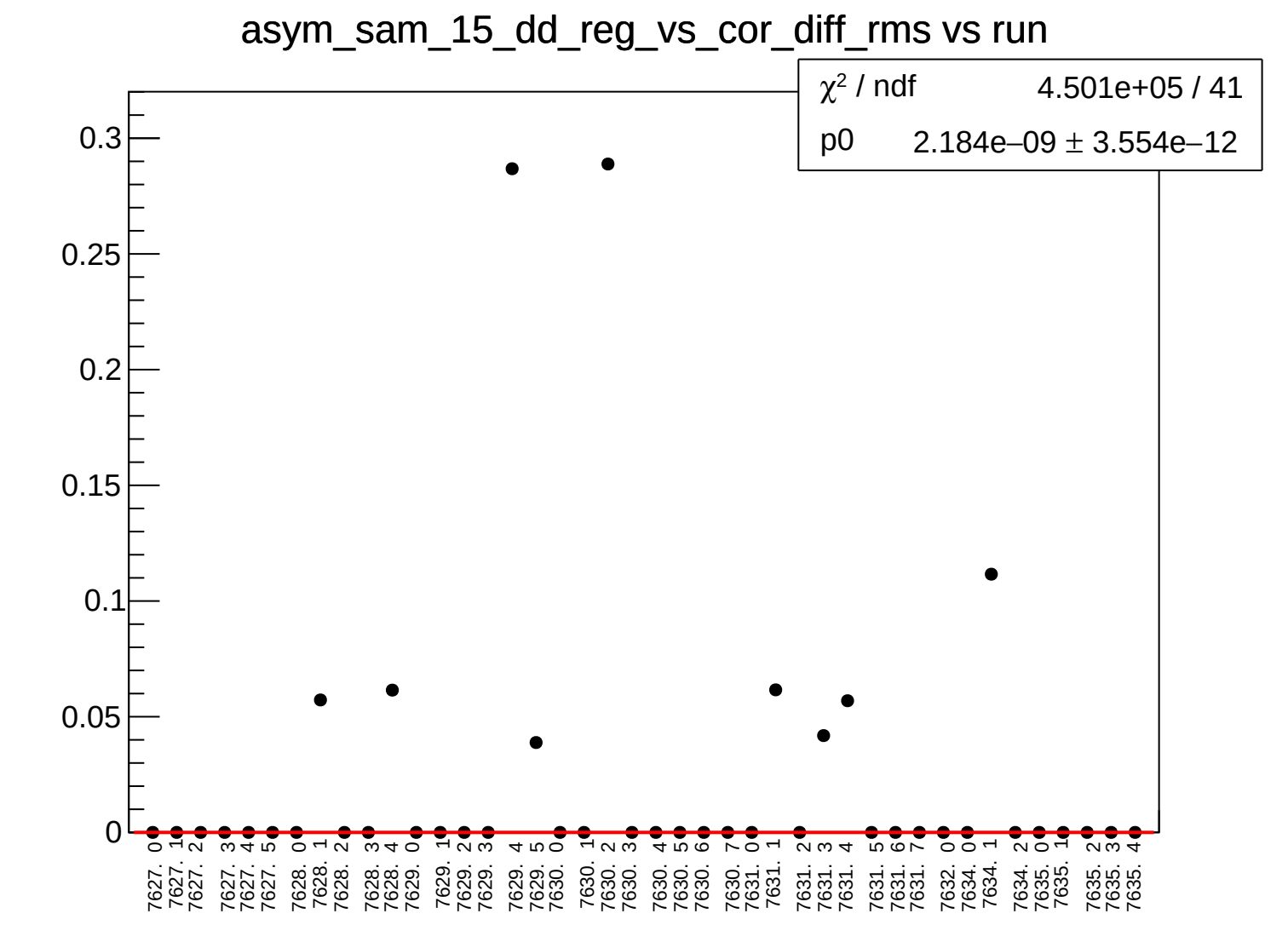

asym_sam_15_dd_mean vs run
×10^3
χ² / ndf 46.1 / 41
p0 2.76e+04 ± 1.401e+04
400
300
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

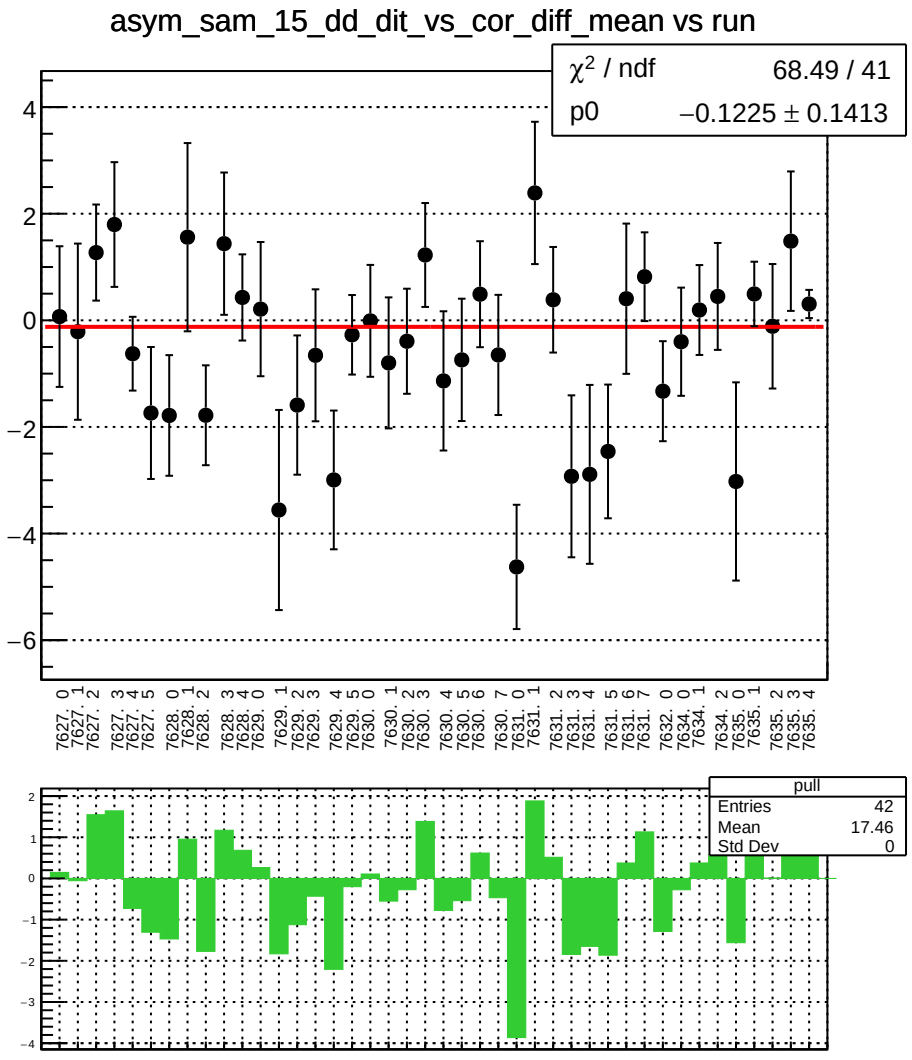

pull1D
Entries 42
Mean 0.04066
Std Dev 1.047
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

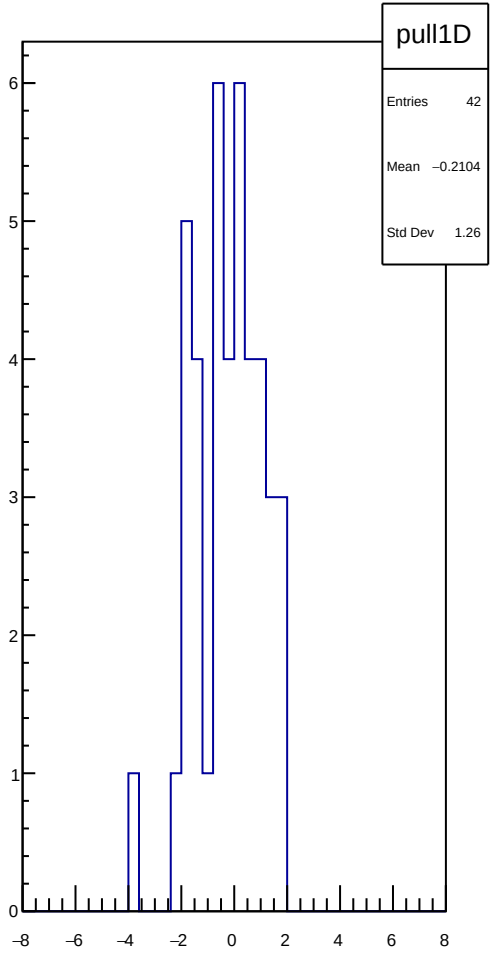

asym_sam_15_dd_rms vs run
χ² / ndf 3.043e+04 / 41
p0 8843 ± 9.903
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

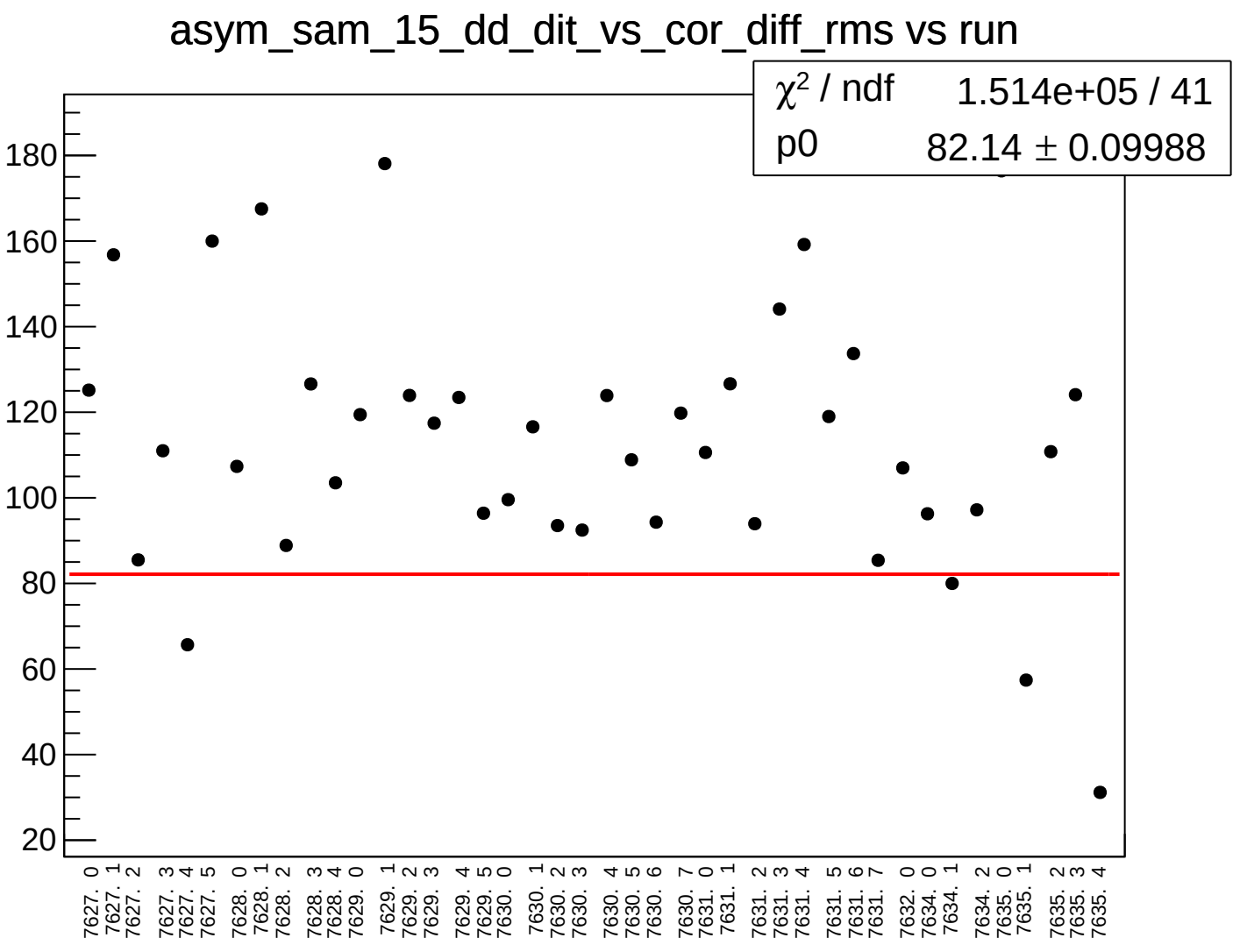

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 31.26 / 41
p0 −2.092e−12 ± 5.026e−12
0.008
0.006
0.004
0.002
0
−0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 297.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

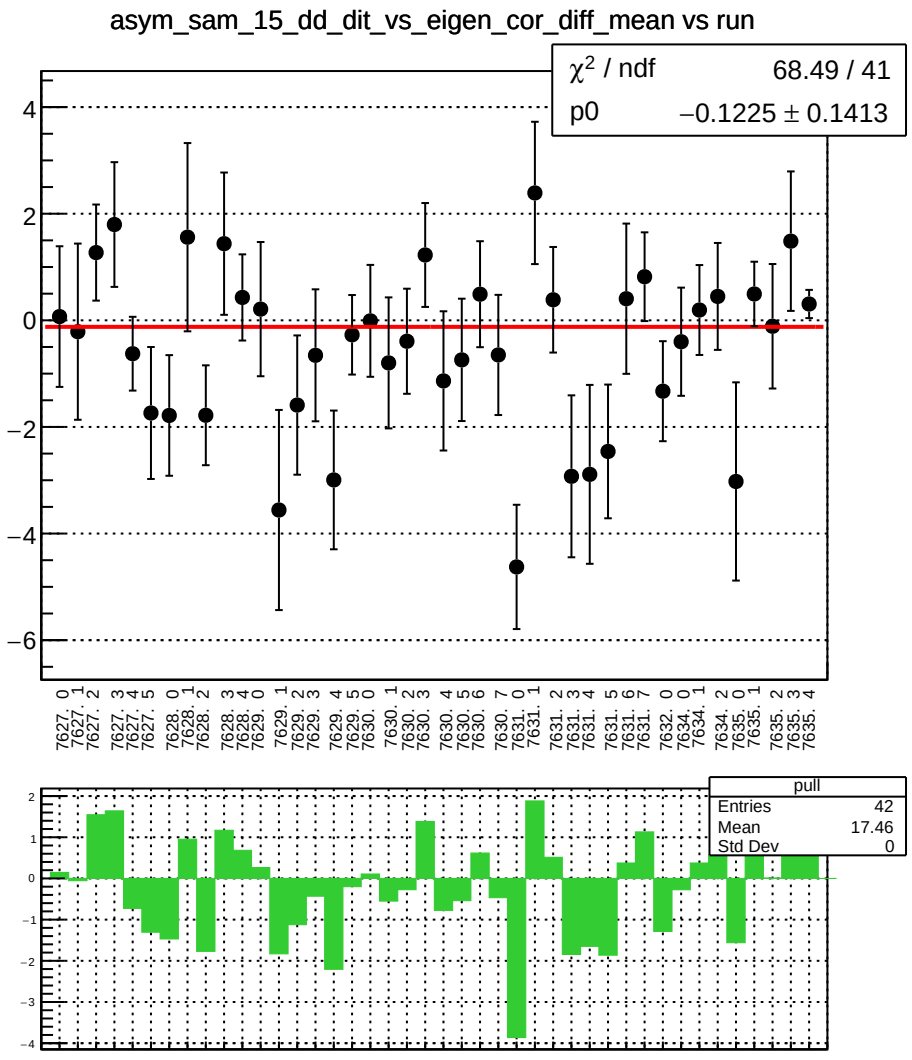

pull1D
Entries 42
Mean −0.002907
Std Dev 0.8627
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

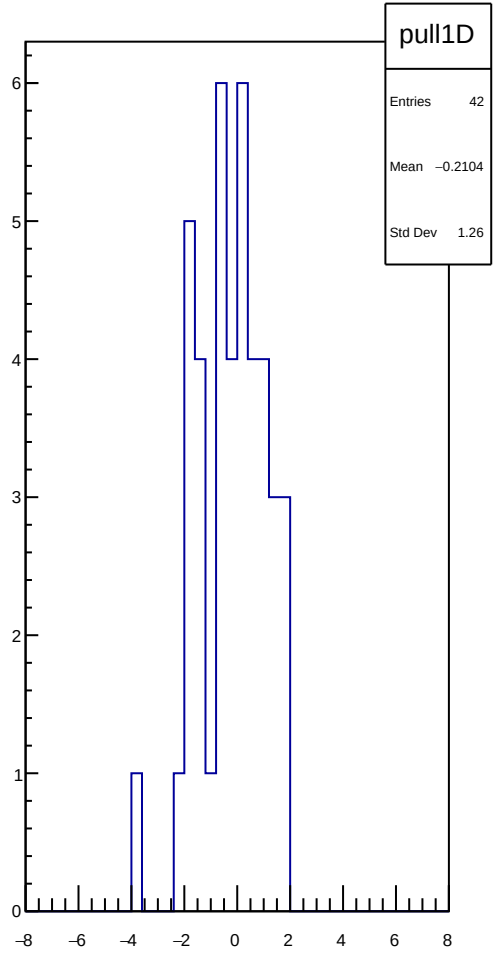

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.501e+05 / 41
p0 2.184e−09 ± 3.554e−12
0.3
0.25
0.2
0.15
0.1
0.05
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

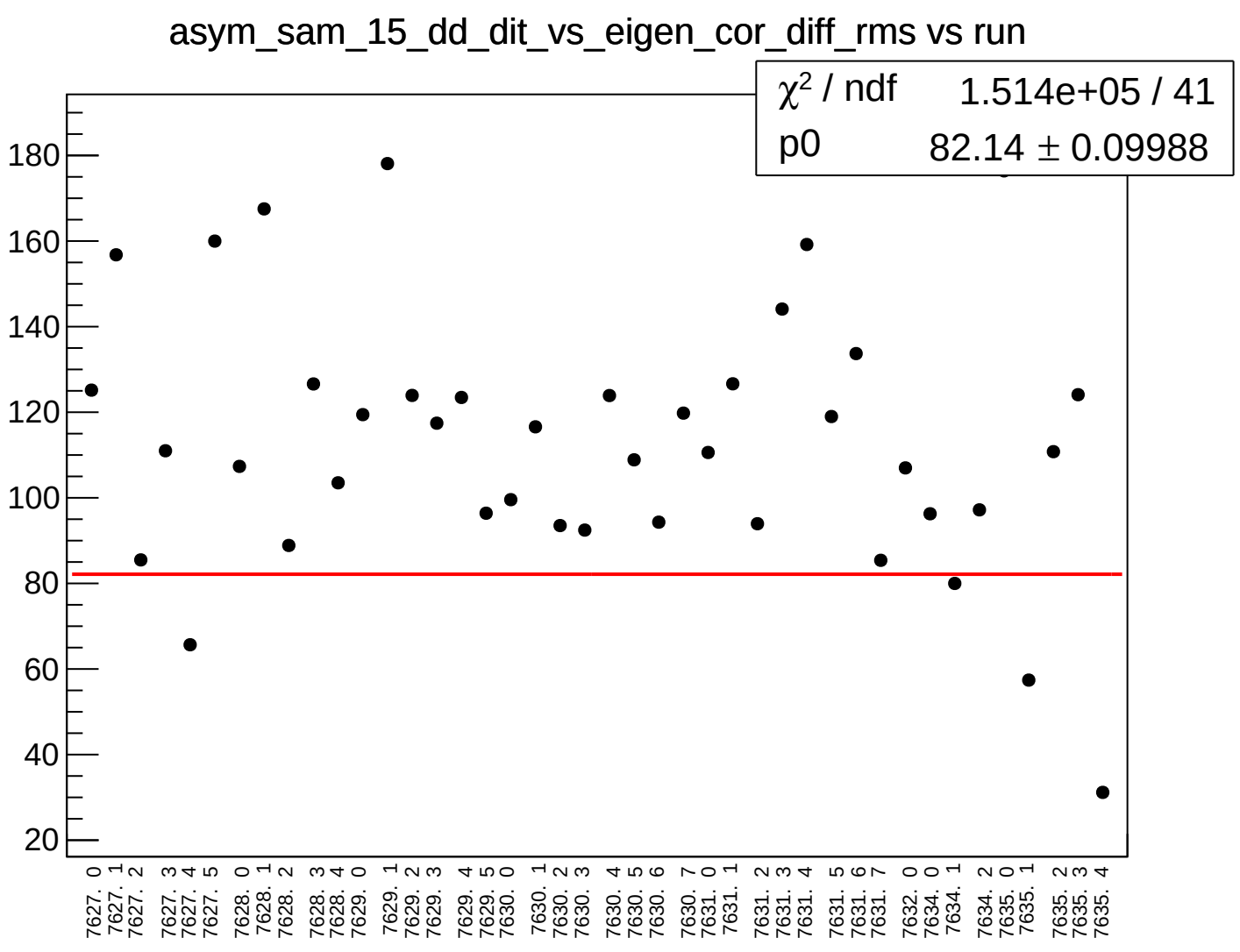

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.49 / 41
p0 −0.1225 ± 0.1413
pull
Entries 42
Mean 17.46
Std Dev 0

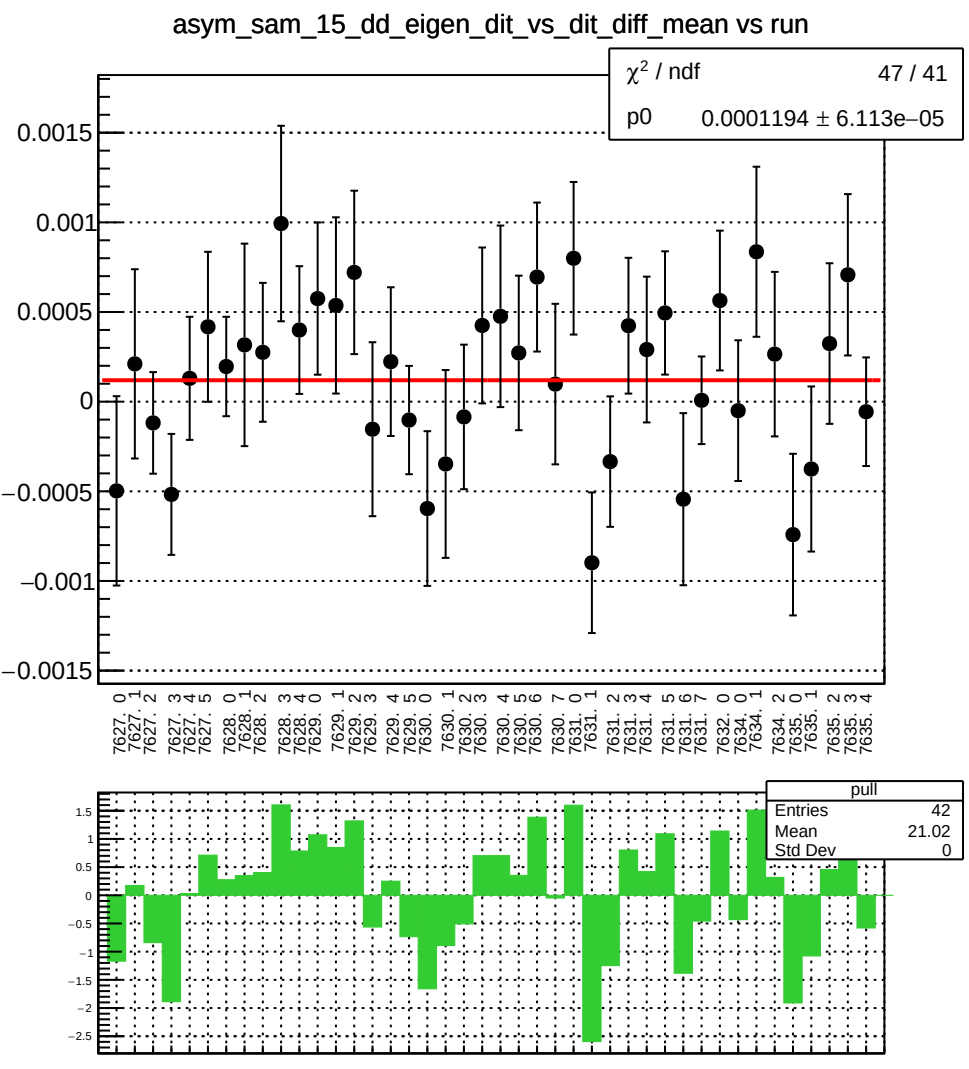

pull1D
Entries 42
Mean −0.2104
Std Dev 1.26

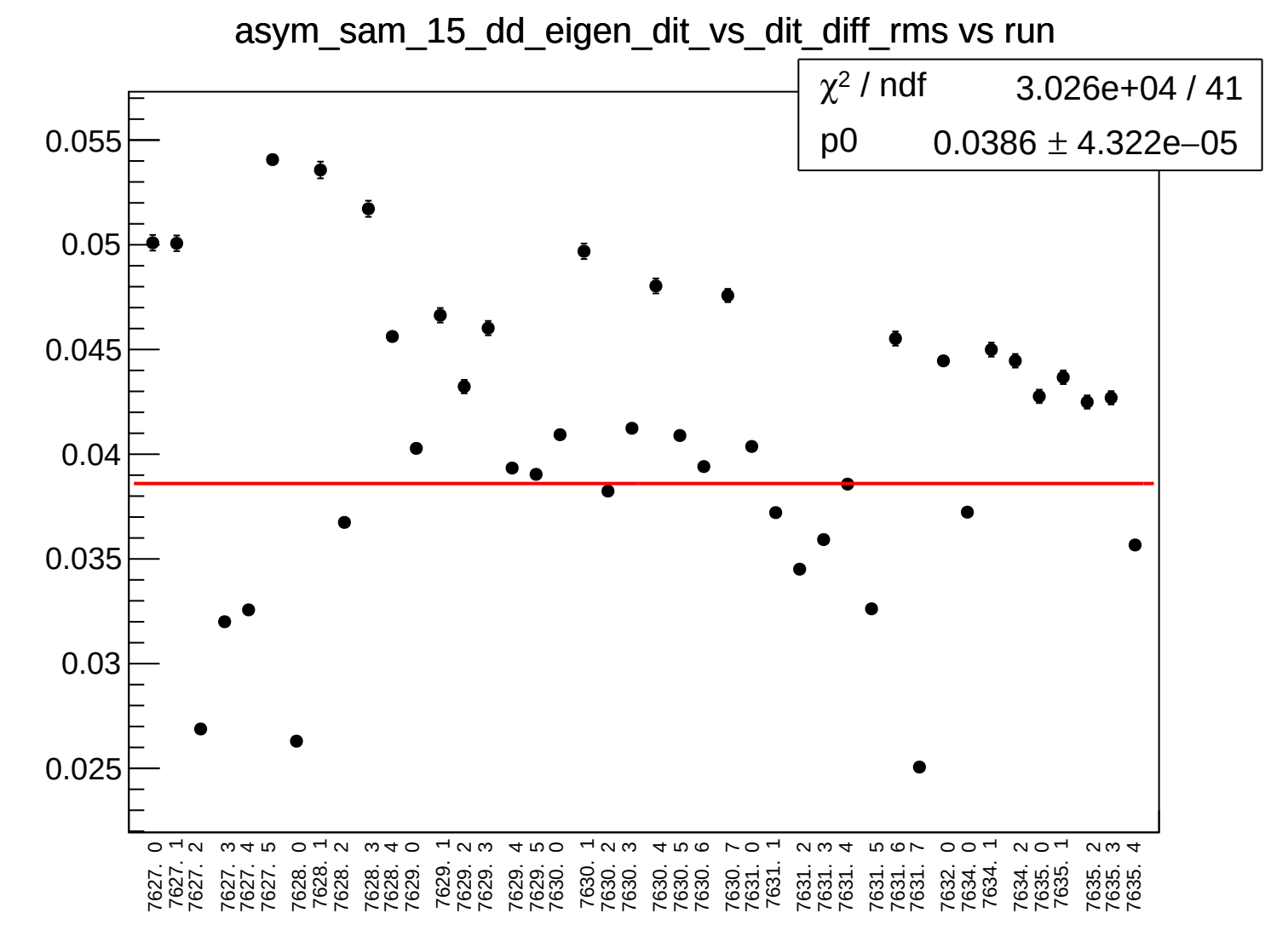

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.514e+05 / 41
p0 82.14 ± 0.09988
180
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

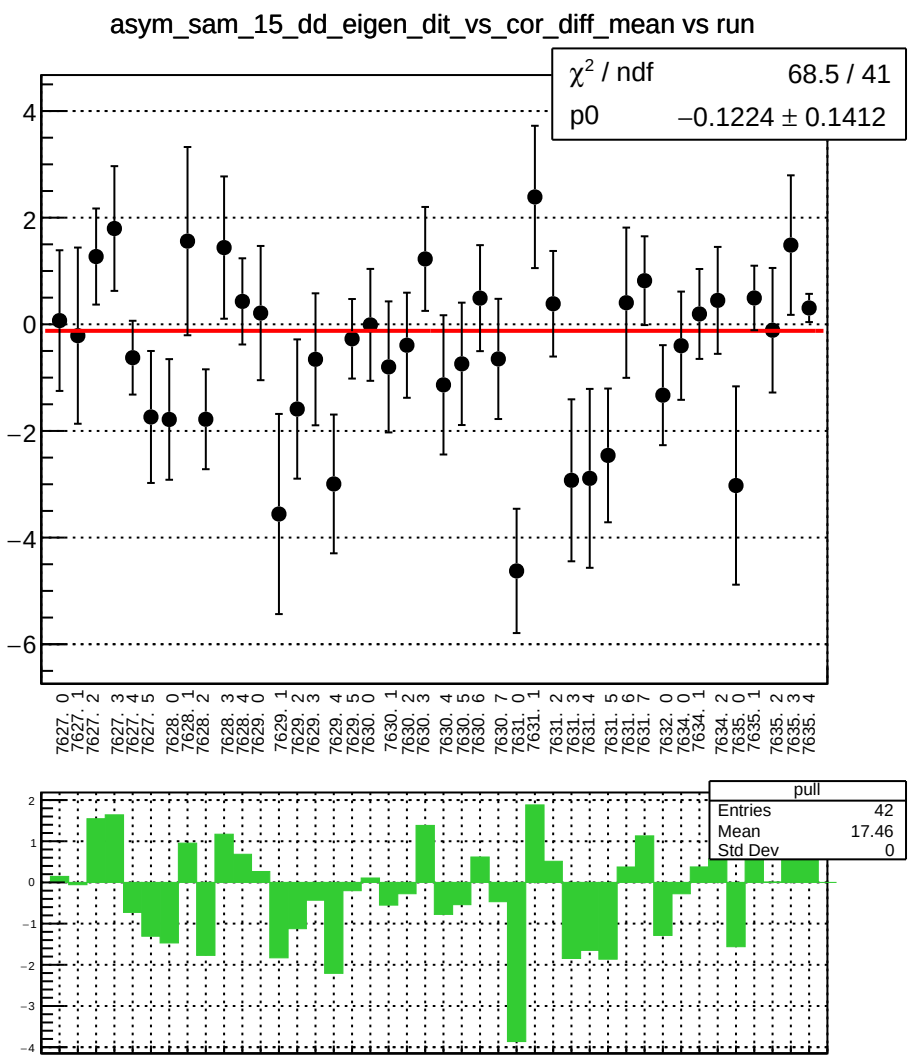

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.49 / 41
p0 −0.1225 ± 0.1413
pull
Entries 42
Mean 17.46
Std Dev 0

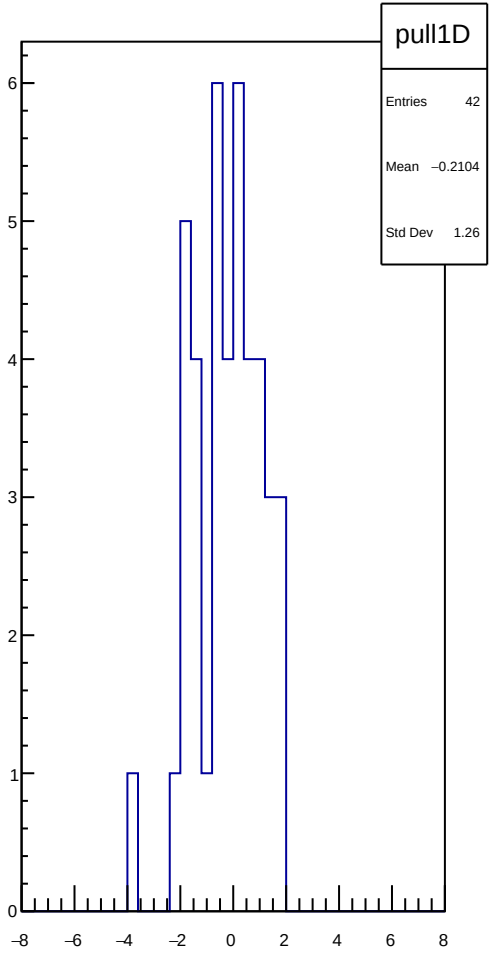

pull1D
Entries 42
Mean −0.2104
Std Dev 1.26

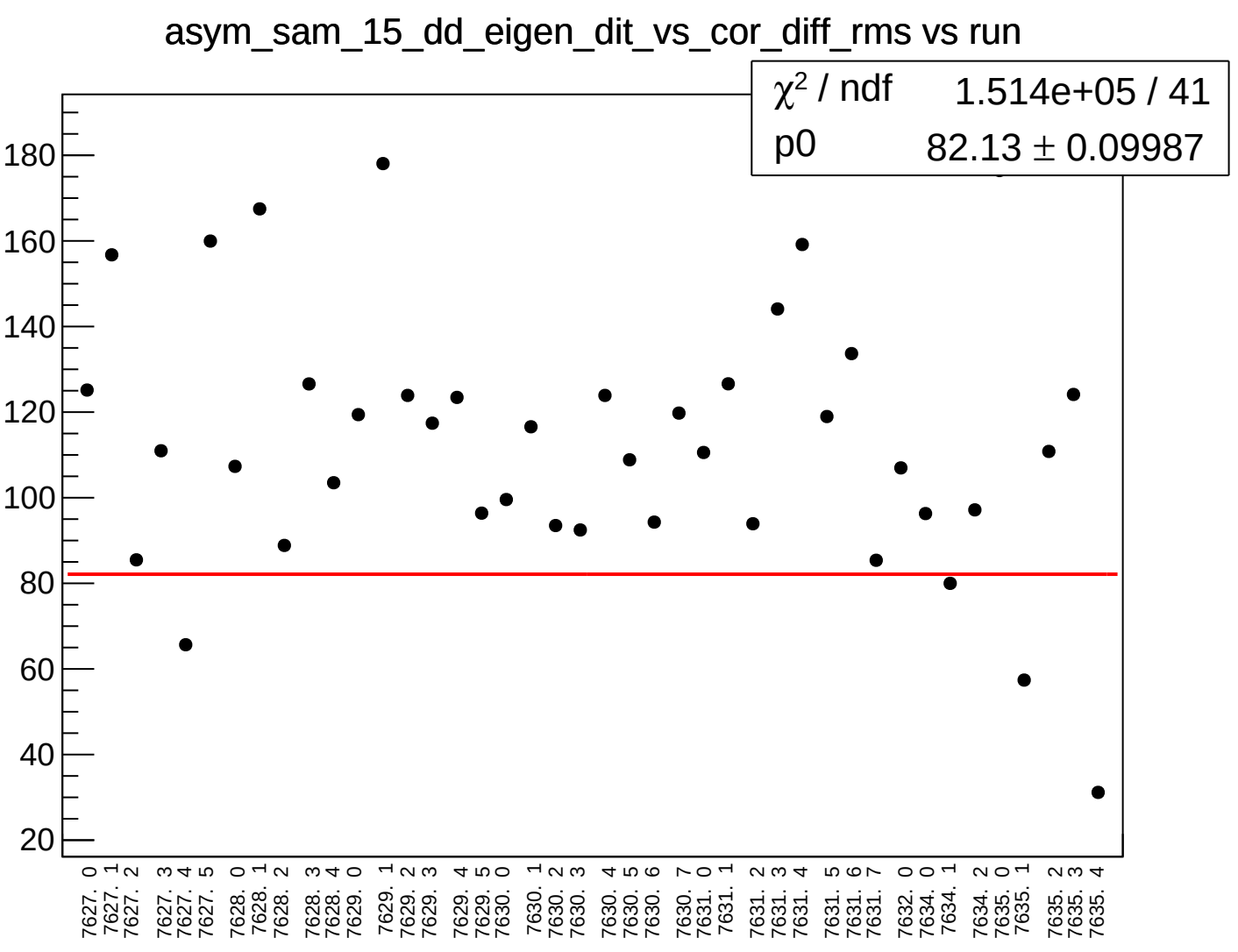

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.514e+05 / 41
p0 82.14 ± 0.09988
180
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

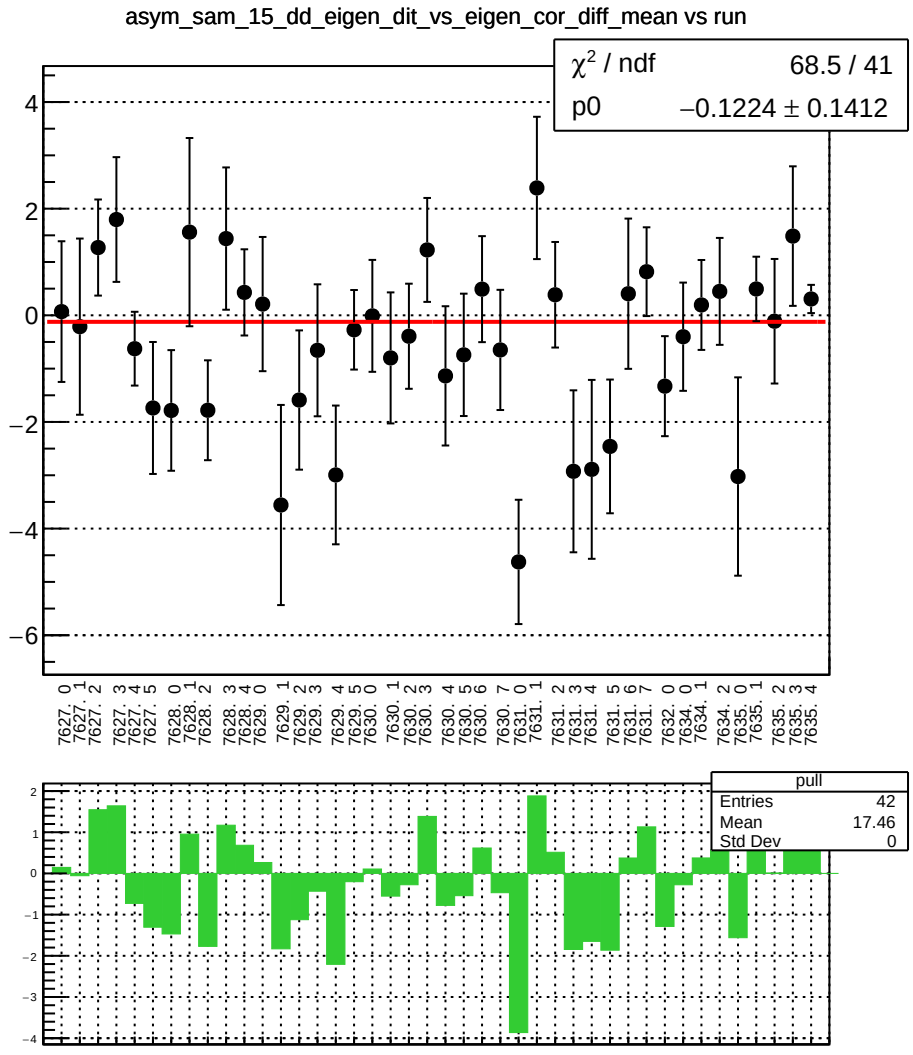

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 47 / 41
p0 0.0001194 ± 6.113e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.03913
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

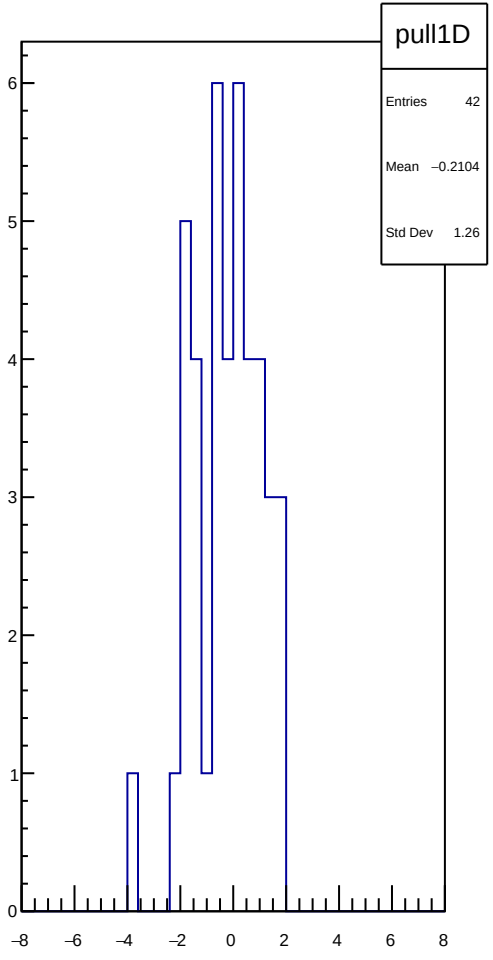

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.026e+04 / 41
p0 0.0386 ± 4.322e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

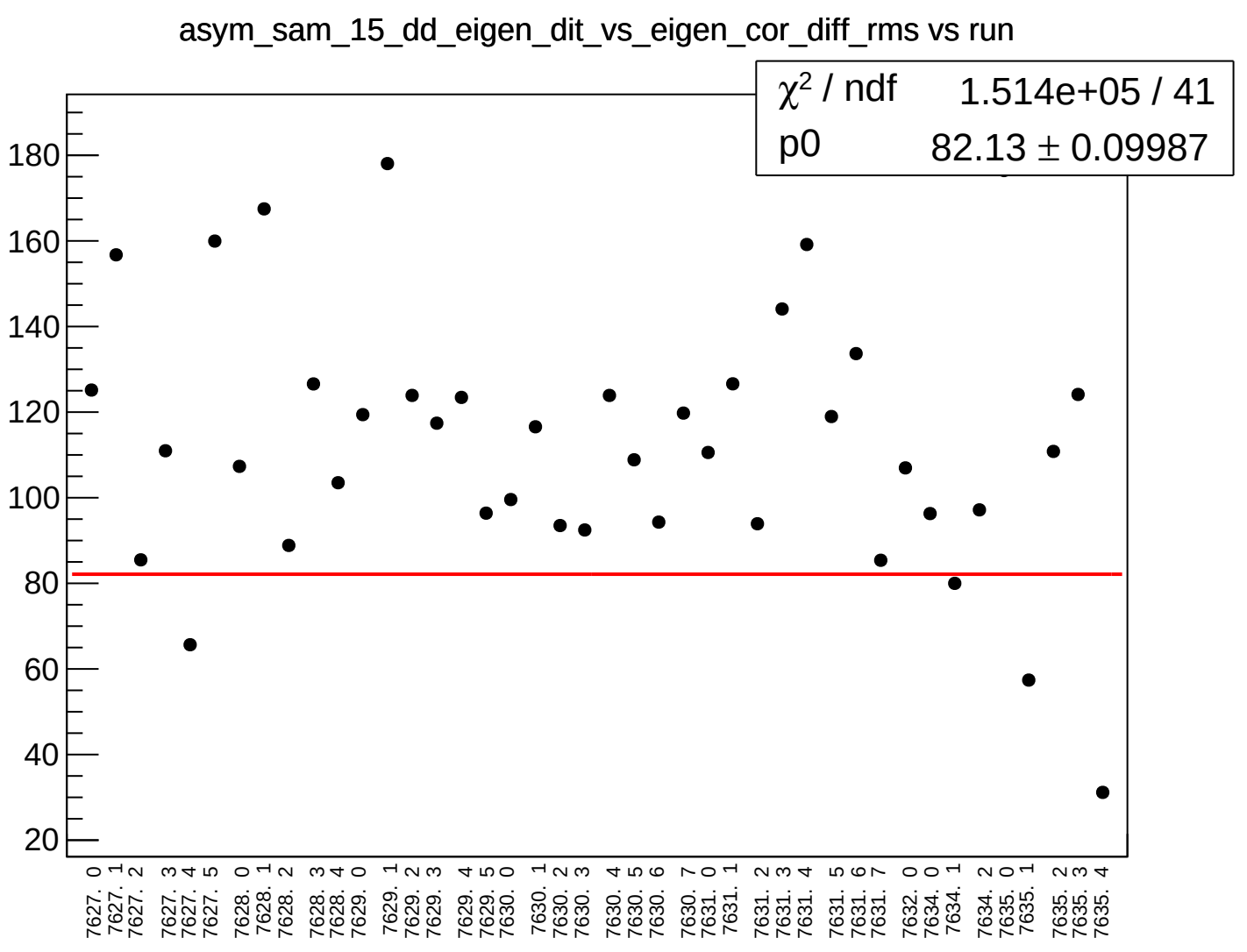

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.5 / 41
p0 −0.1224 ± 0.1412
pull
Entries 42
Mean 17.46
Std Dev 0

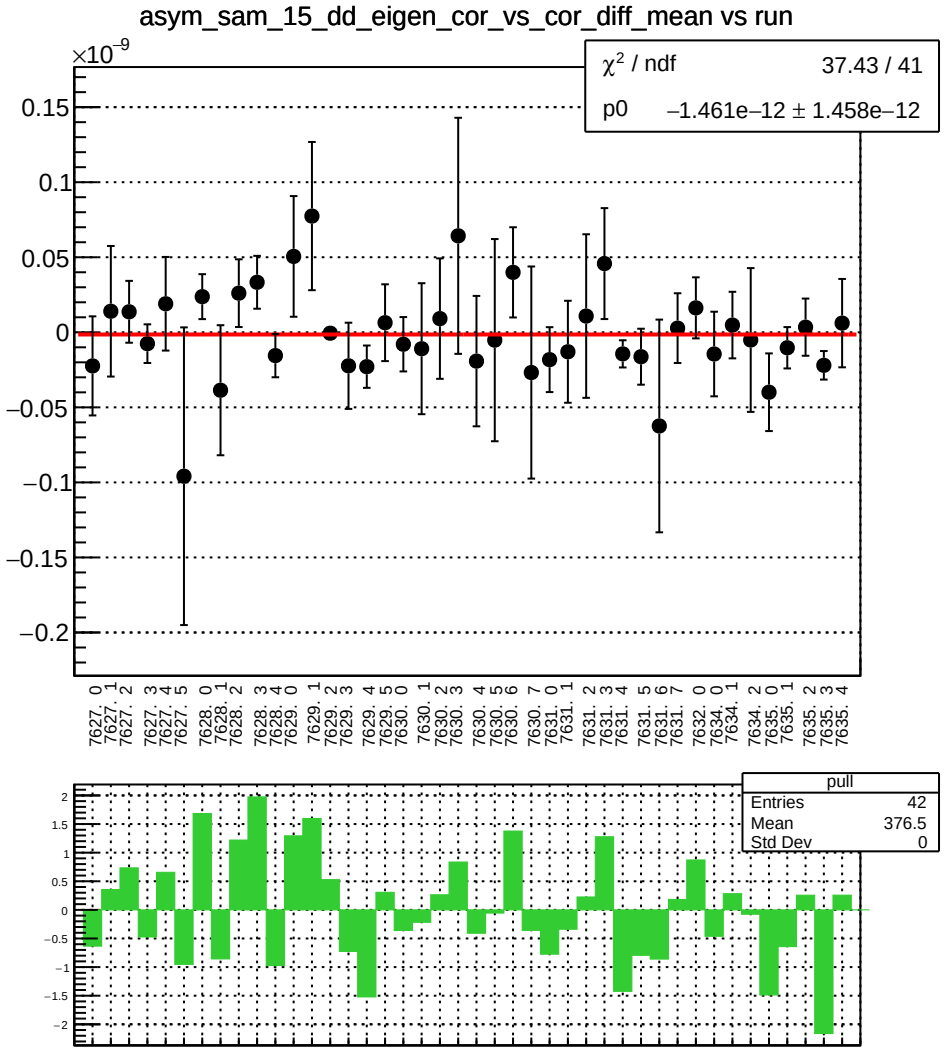

pull1D
Entries 42
Mean −0.2104
Std Dev 1.26

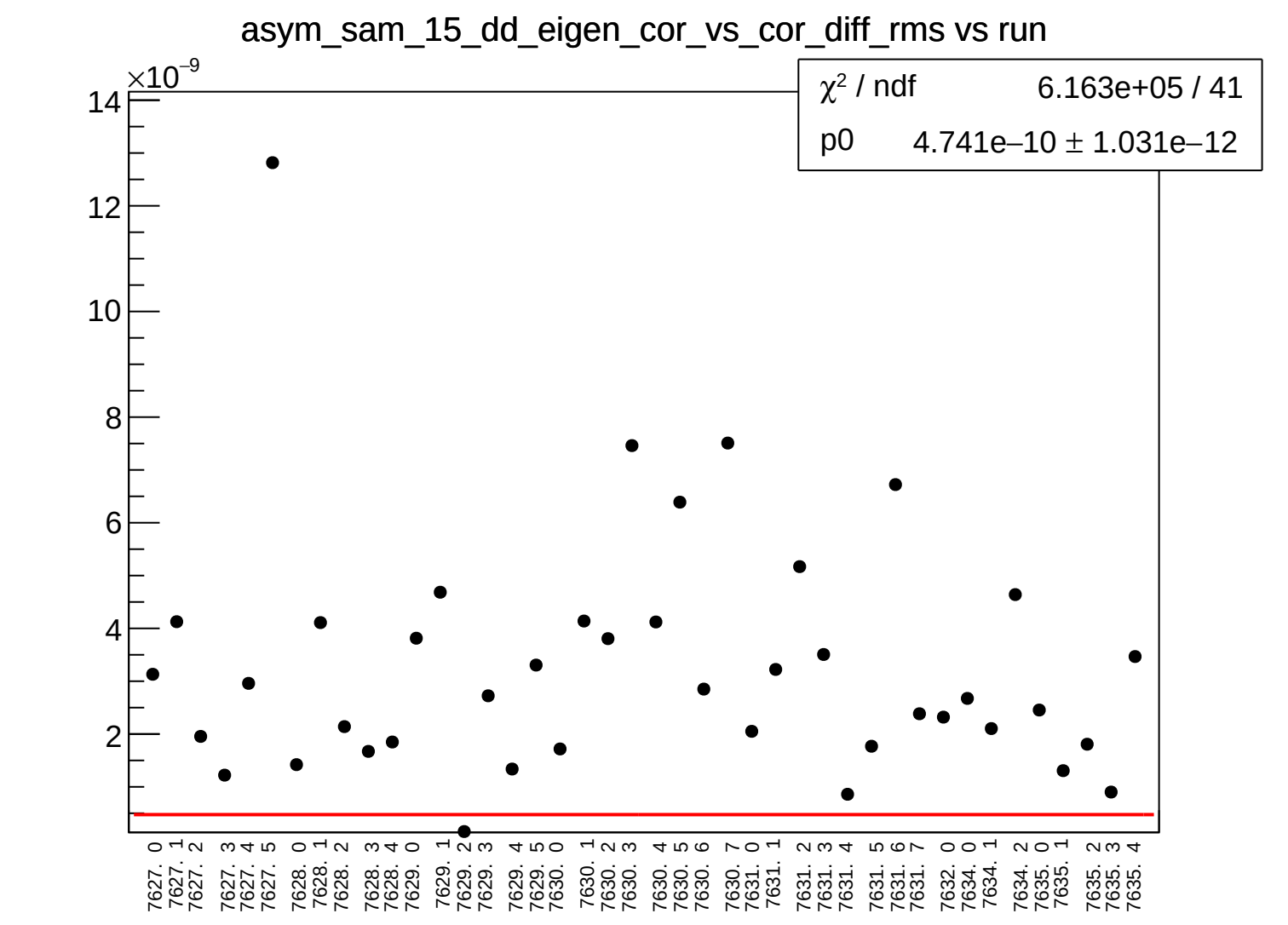

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.514e+05 / 41
p0 82.13 ± 0.09987
180
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

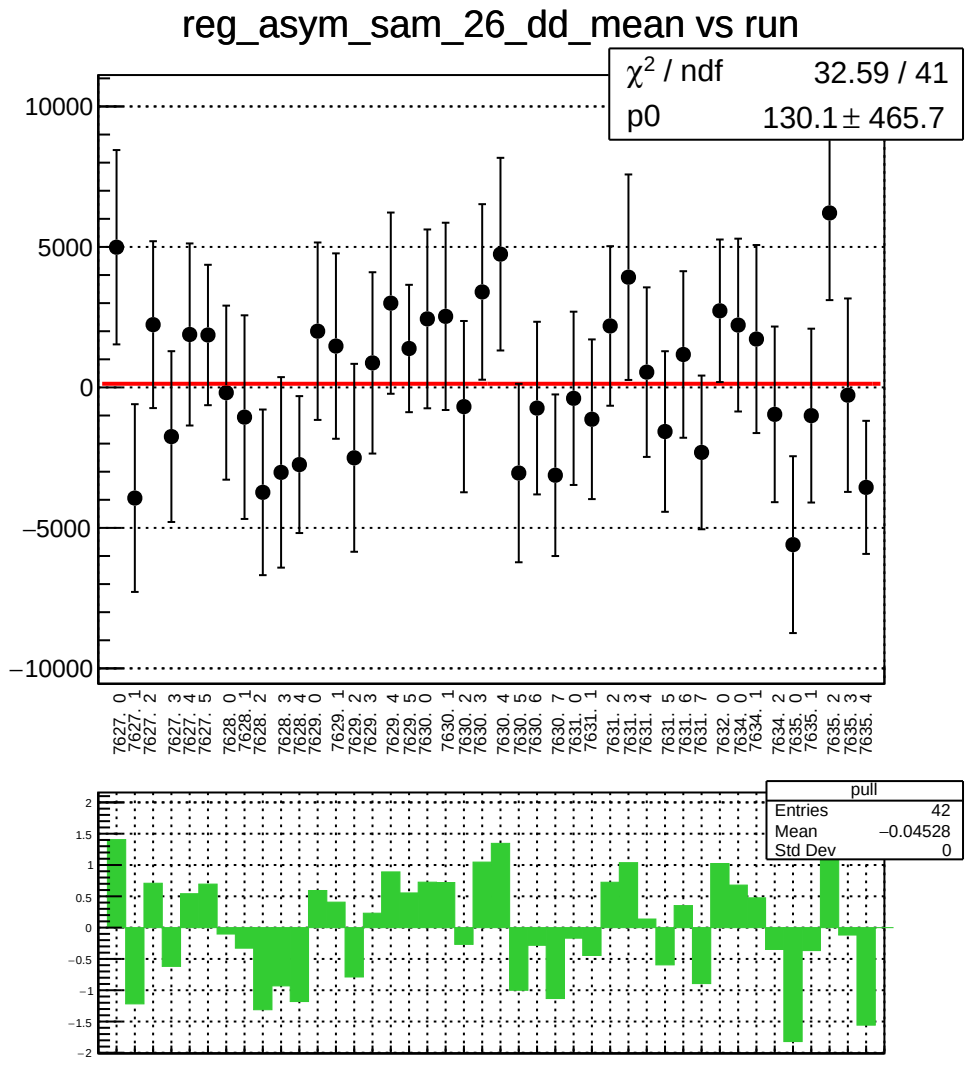

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.5 / 41
p0 −0.1224 ± 0.1412
pull
Entries 42
Mean 17.46
Std Dev 0

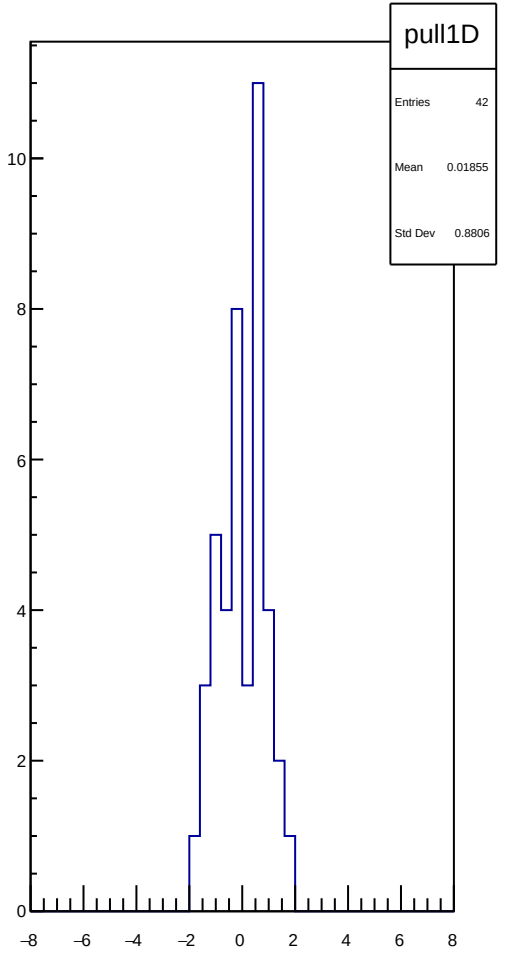

pull1D
Entries 42
Mean −0.2104
Std Dev 1.26

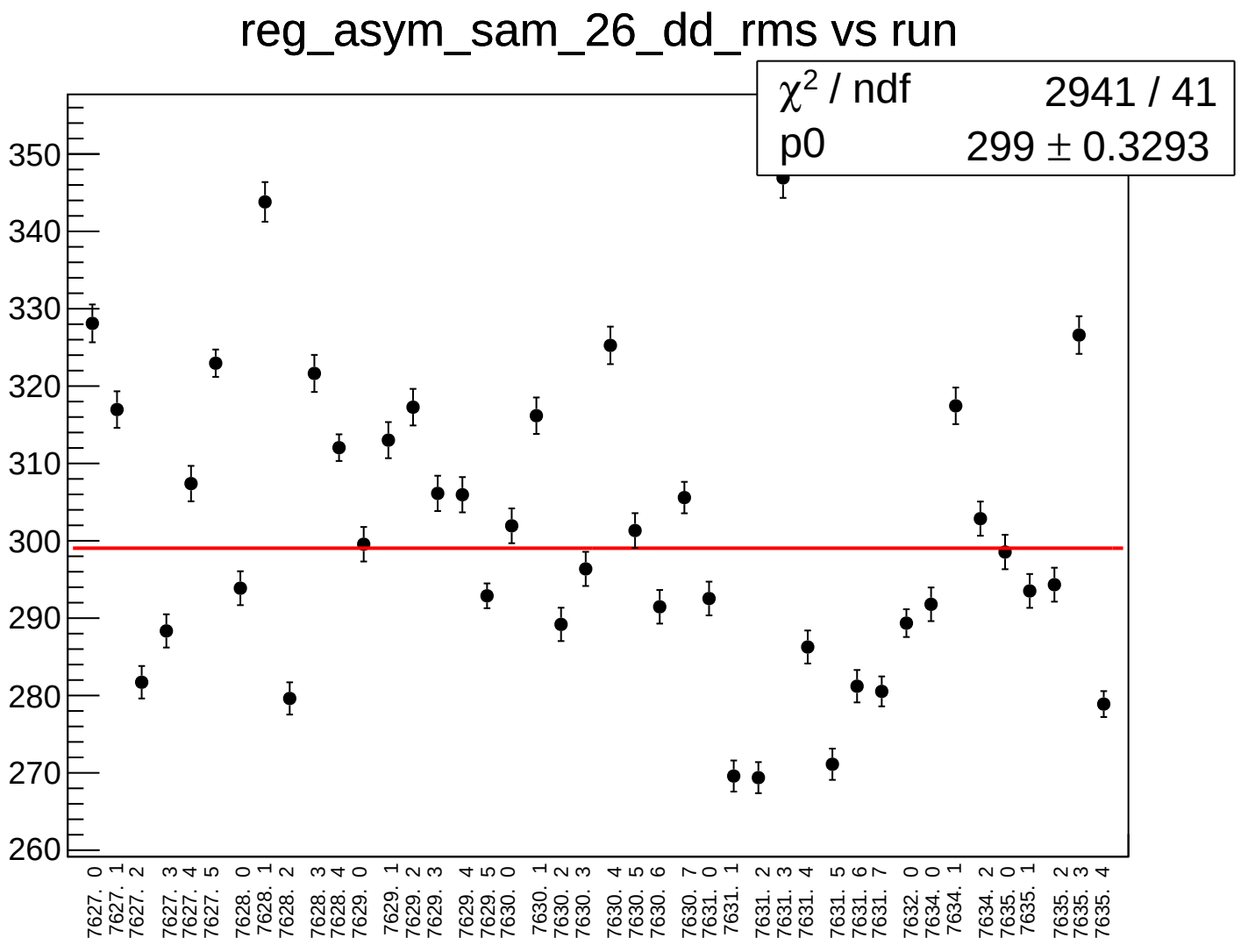

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.514e+05 / 41
p0 82.13 ± 0.09987
180
160
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

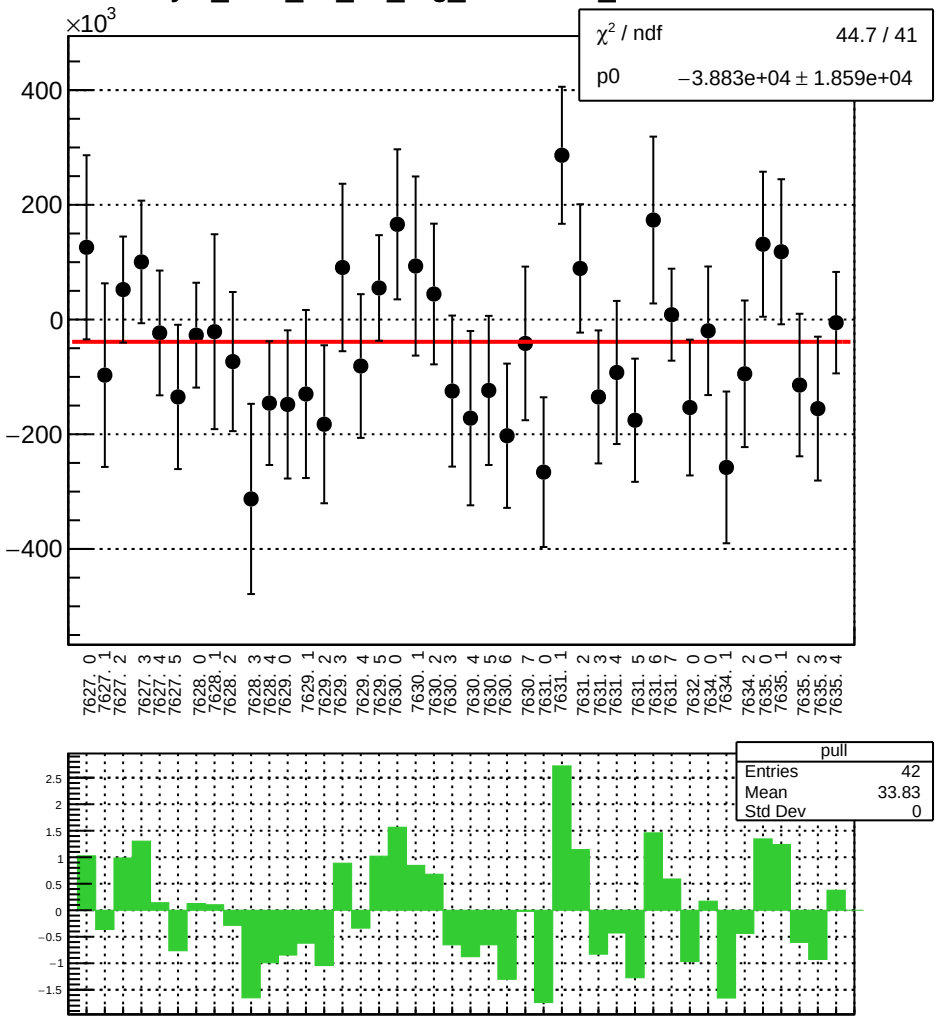

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 37.43 / 41
p0 −1.461e−12 ± 1.458e−12
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 376.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.008863
Std Dev 0.944
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

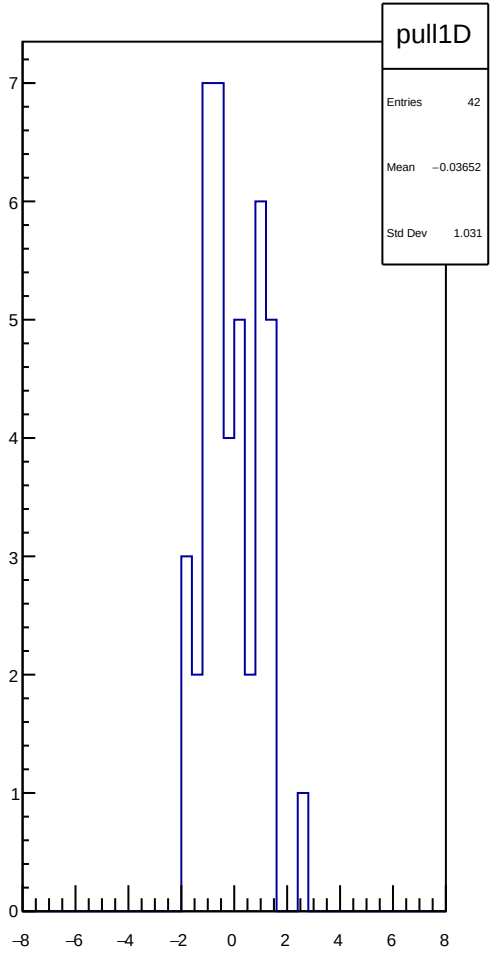

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.163e+05 / 41
p0 4.741e−10 ± 1.031e−12
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

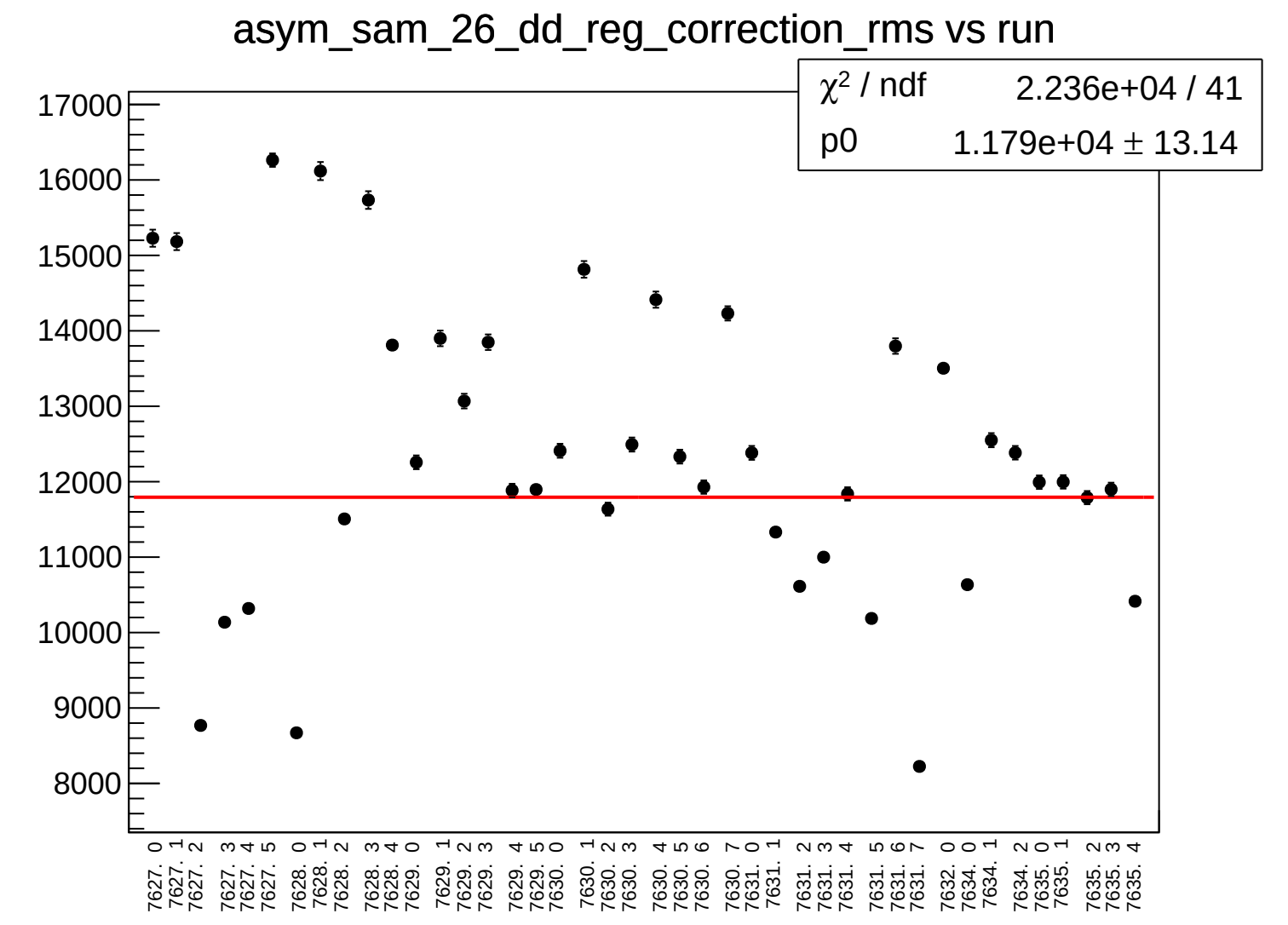

reg_asym_sam_26_dd_mean vs run
χ² / ndf 32.59 / 41
p0 130.1 ± 465.7
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −0.04528
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

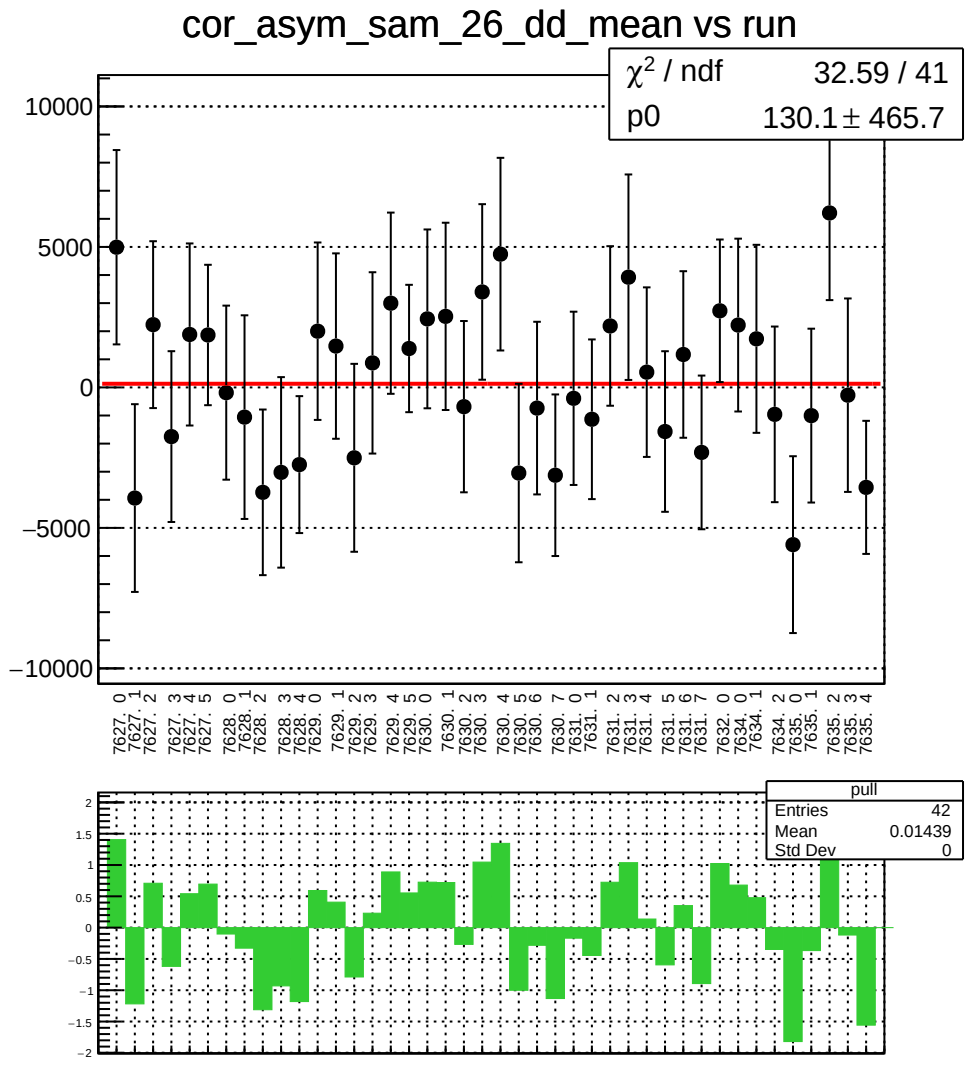

pull1D
Entries 42
Mean 0.01855
Std Dev 0.8806
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

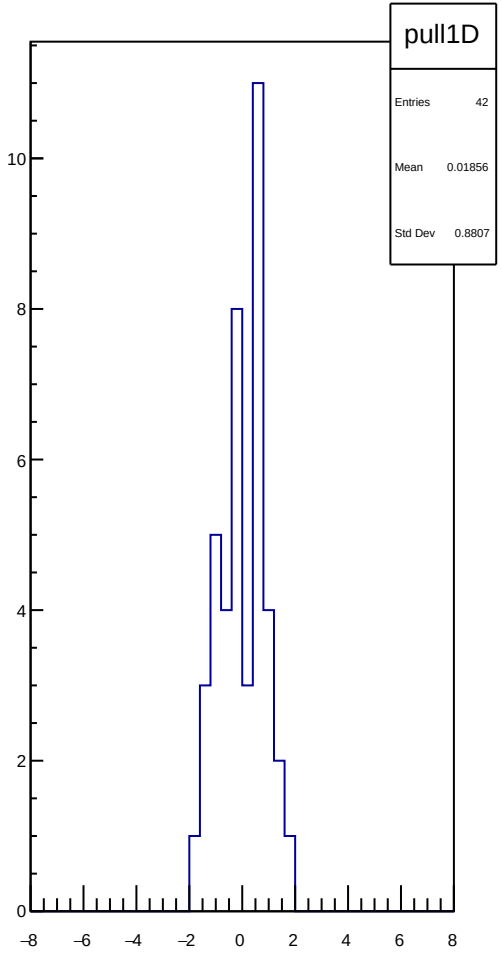

reg_asym_sam_26_dd_rms vs run
χ^2 / ndf 2941 / 41
p0 299 ± 0.3293
350
340
330
320
310
300
290
280
270
260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

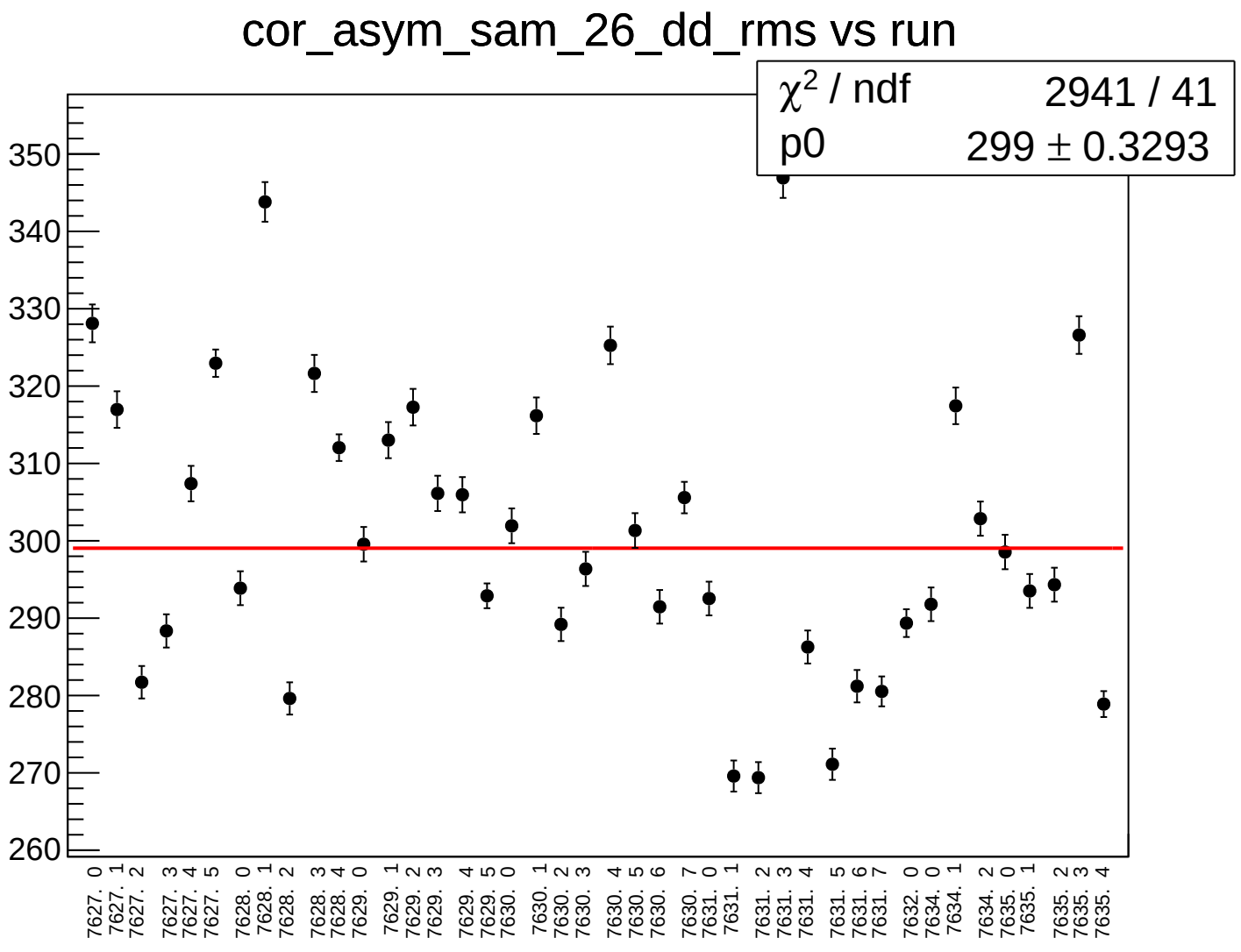

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 44.7 / 41
p0 −3.883e+04 ± 1.859e+04
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

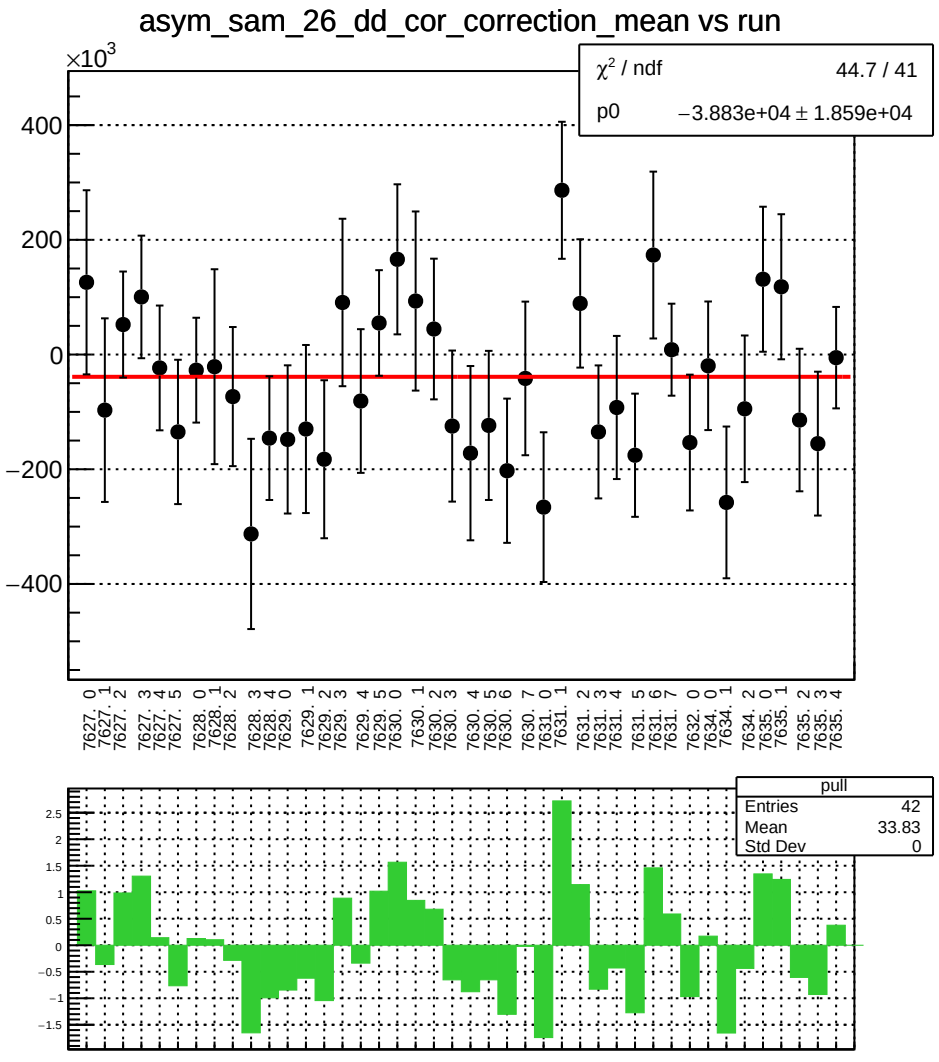

pull1D
Entries 42
Mean −0.03652
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

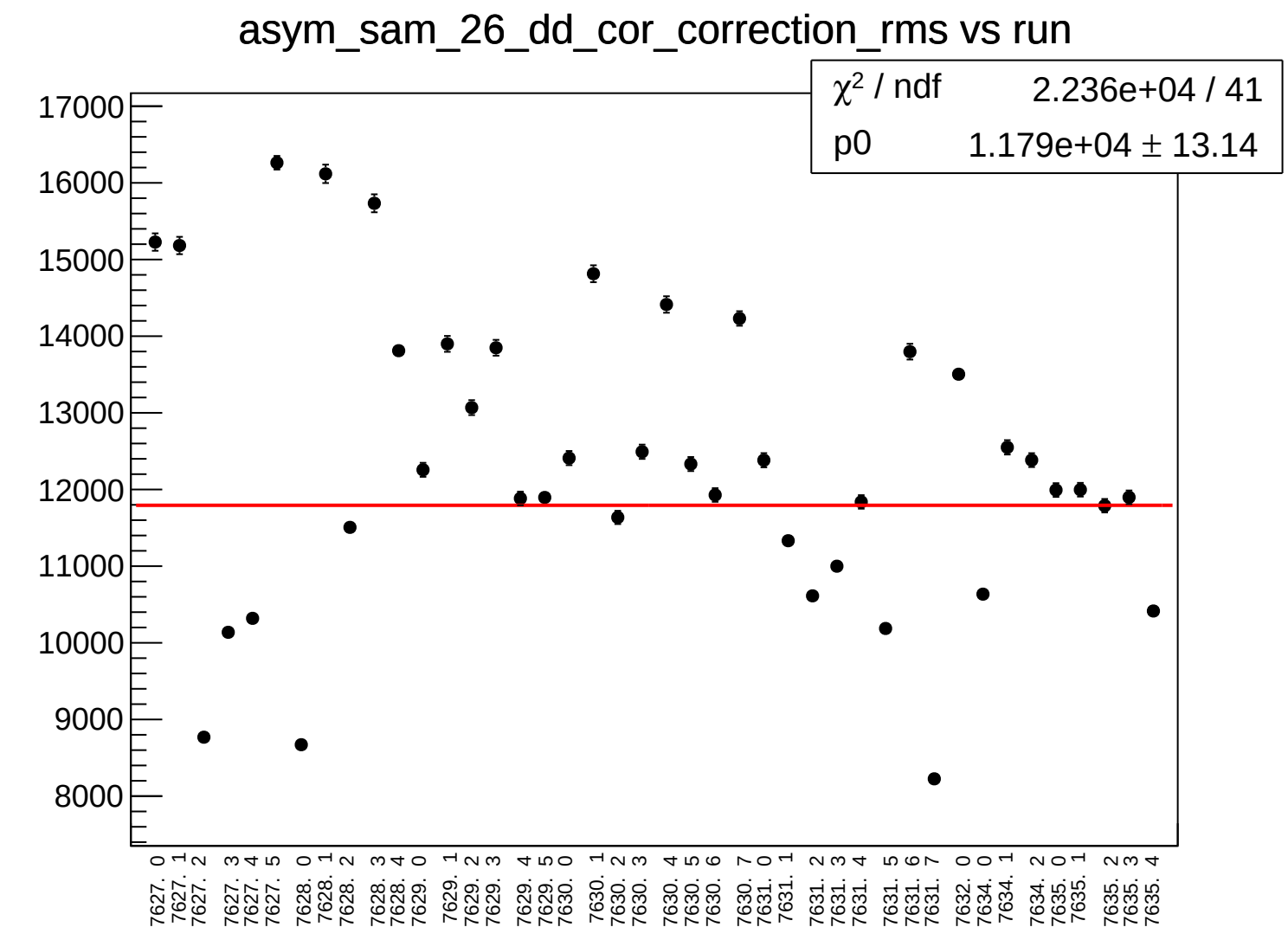

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 2.236e+04 / 41
p0 1.179e+04 ± 13.14
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

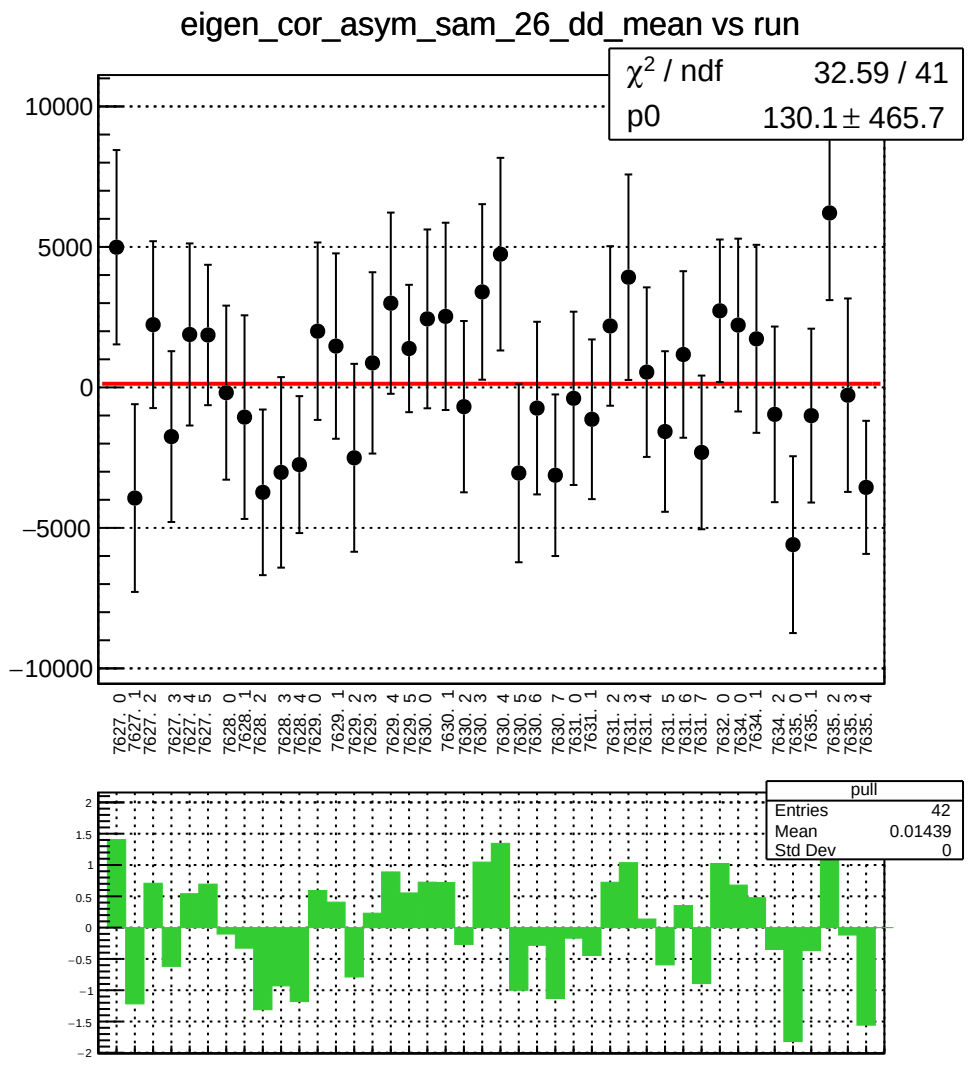

cor_asym_sam_26_dd_mean vs run
χ² / ndf 32.59 / 41
p0 130.1 ± 465.7
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.01439
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

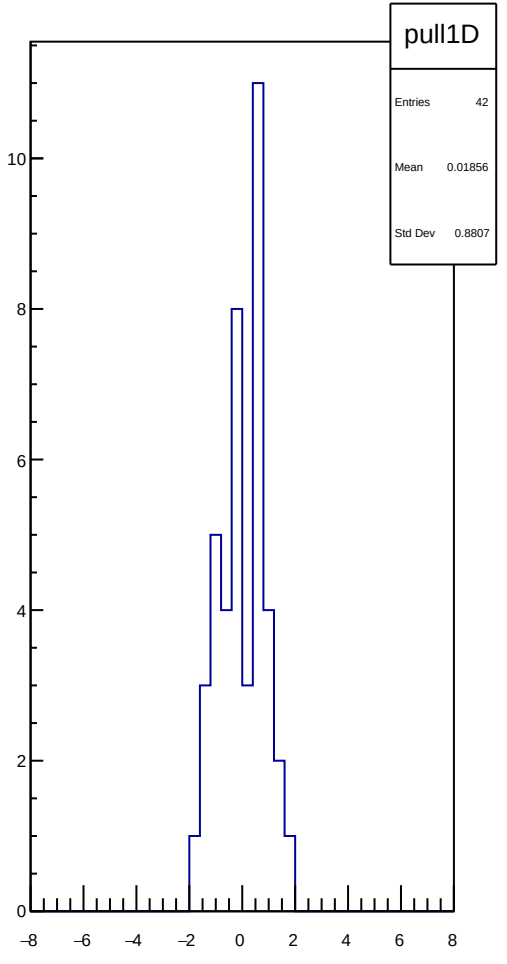

pull1D
Entries 42
Mean 0.01856
Std Dev 0.8807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

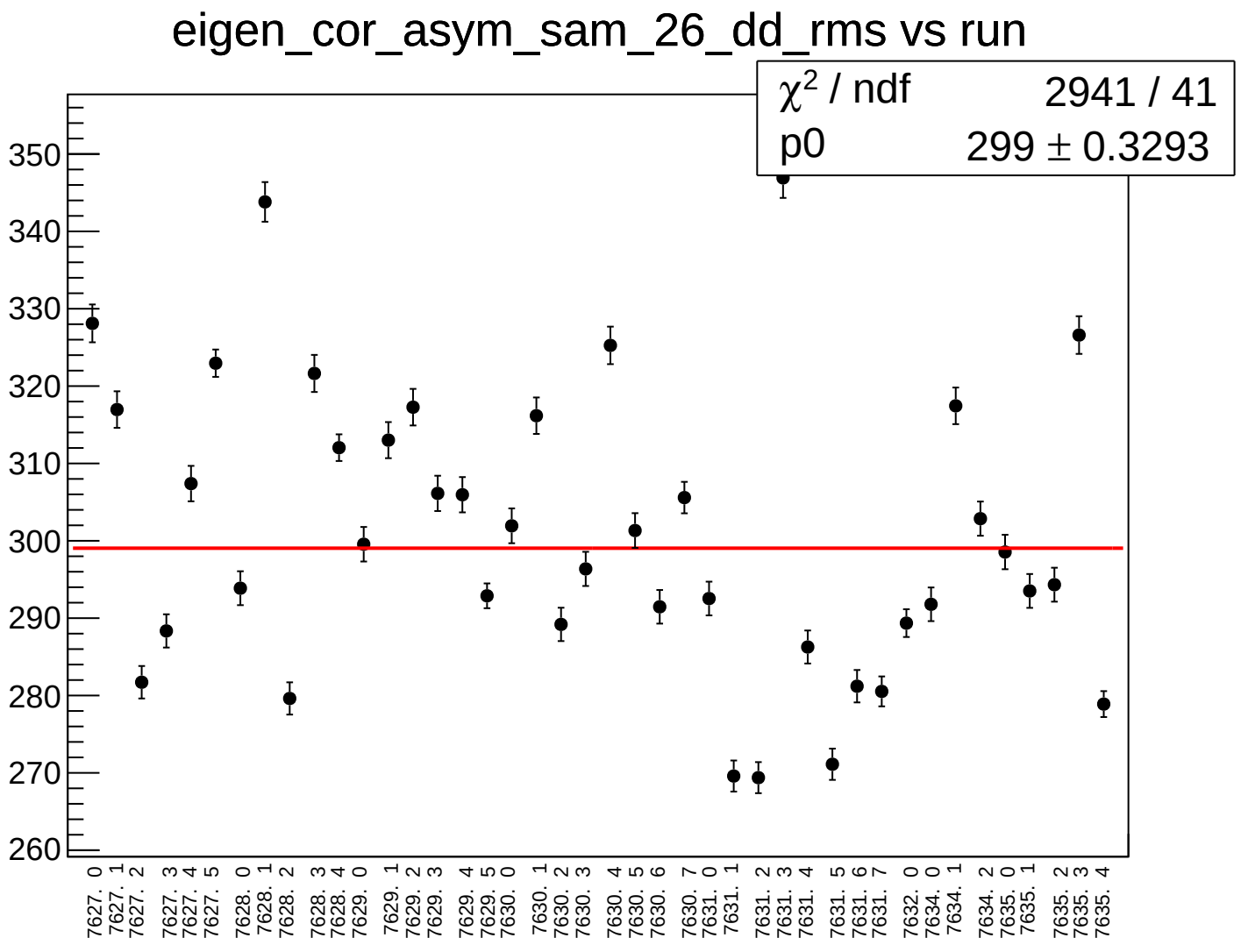

cor_asym_sam_26_dd_rms vs run
χ^2 / ndf 2941 / 41
p0 299 ± 0.3293
350
340
330
320
310
300
290
280
270
260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

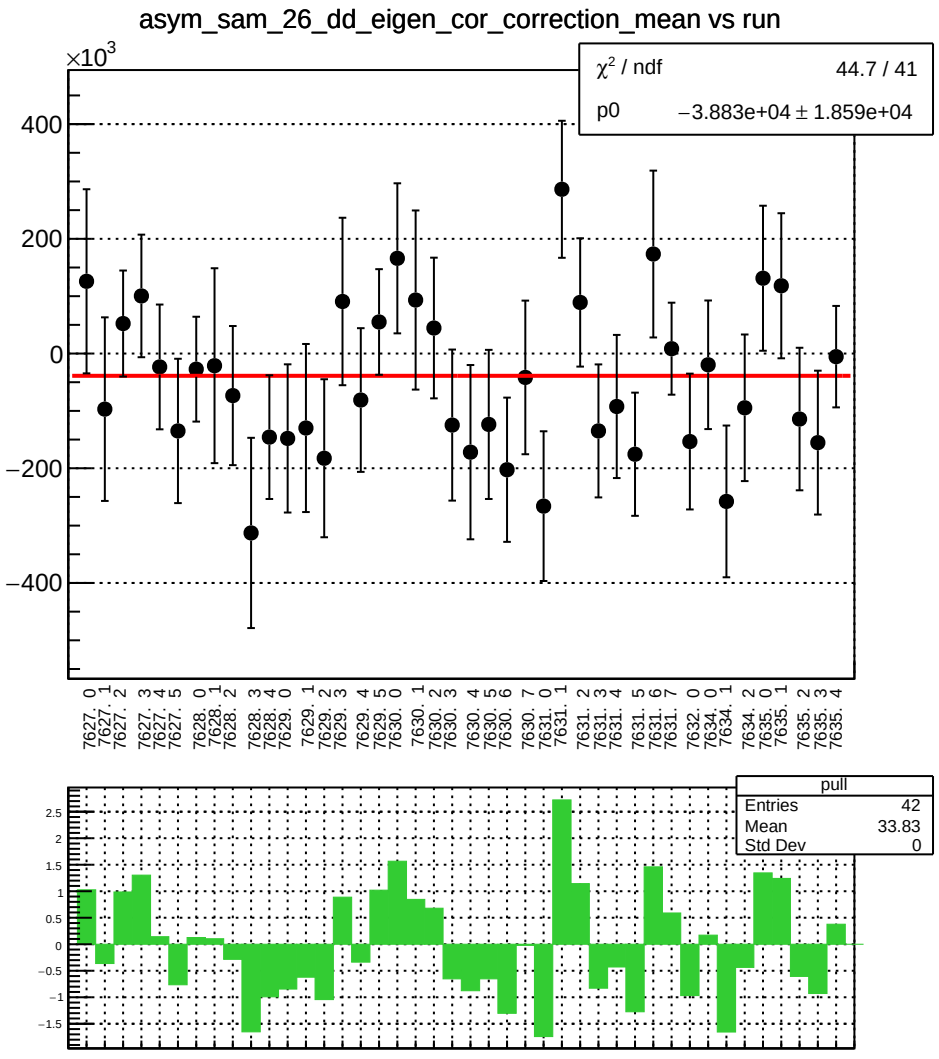

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 44.7 / 41
p0 −3.883e+04 ± 1.859e+04
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03652
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

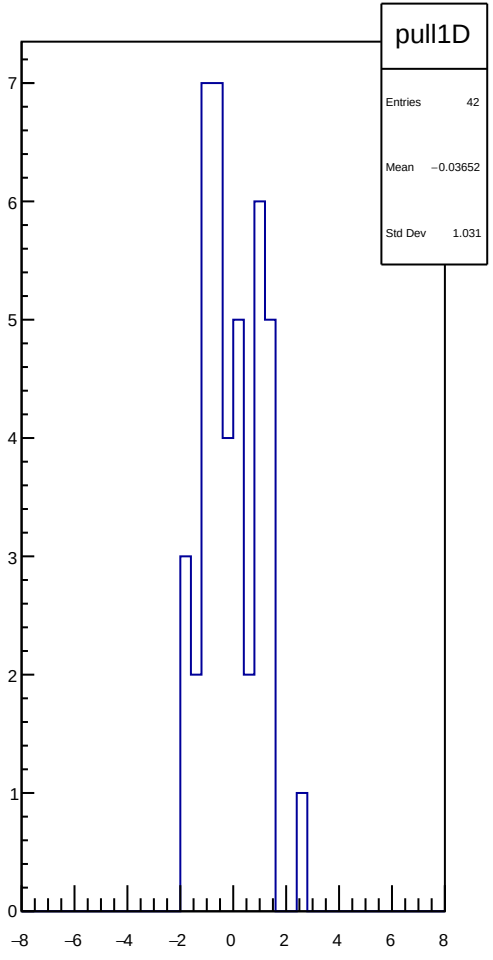

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 2.236e+04 / 41
p0 1.179e+04 ± 13.14
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

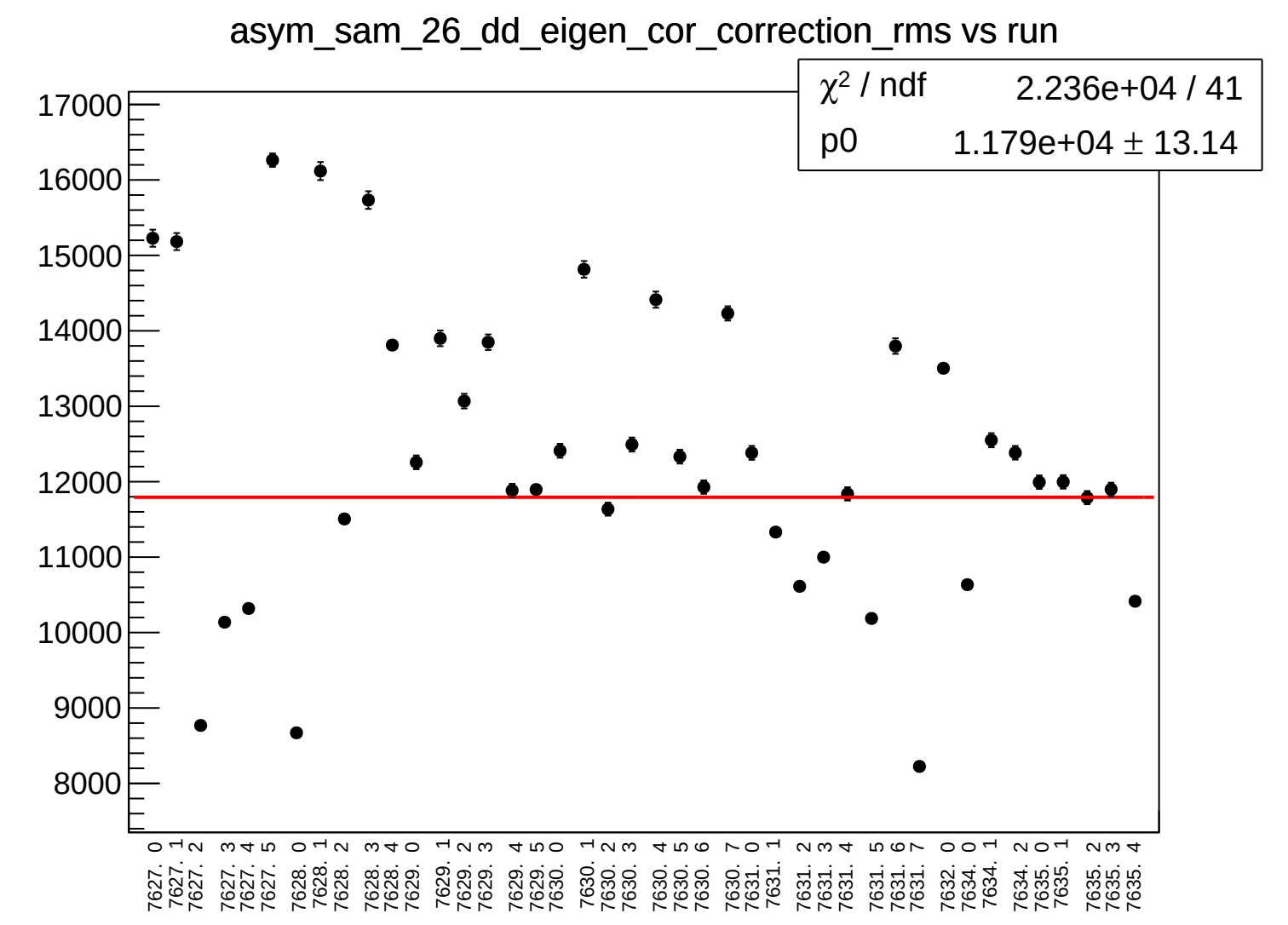

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 32.59 / 41
p0 130.1 ± 465.7
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.01439
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

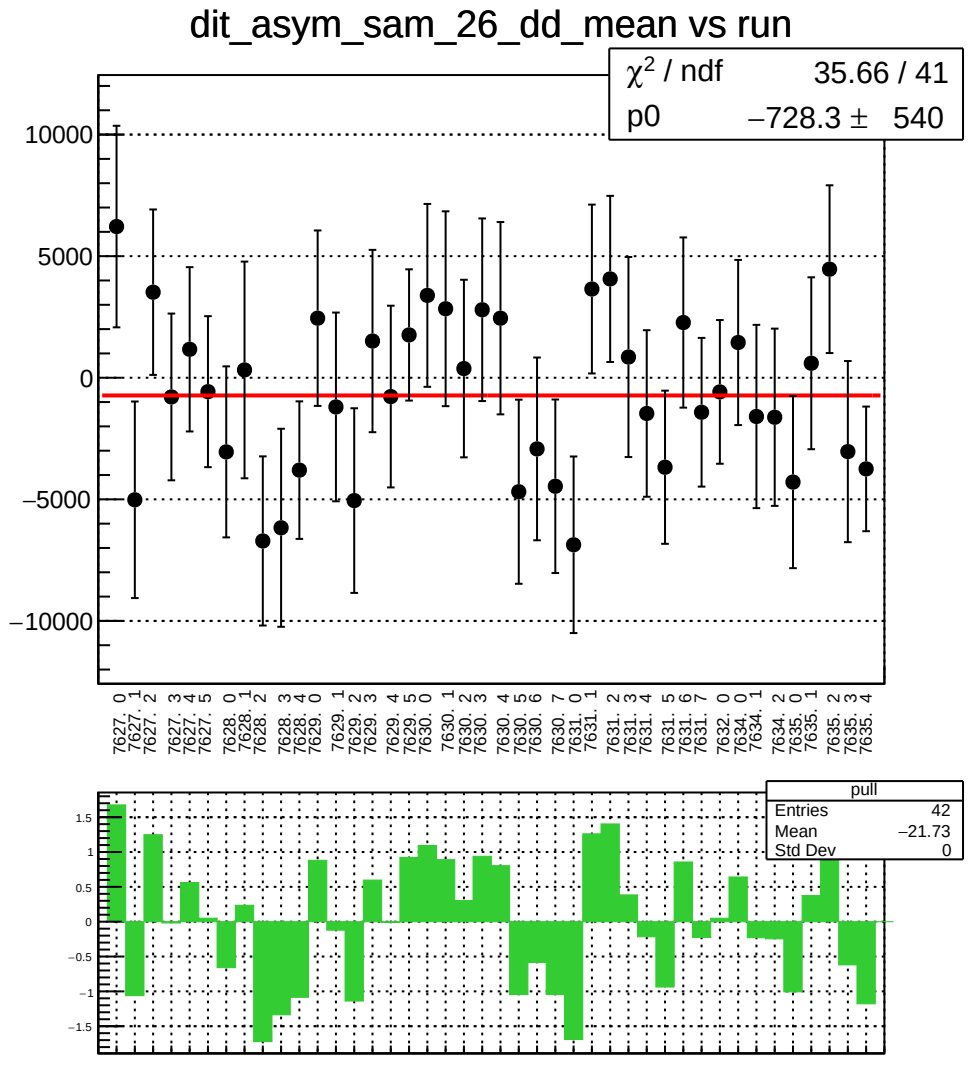

pull1D
Entries 42
Mean 0.01856
Std Dev 0.8807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

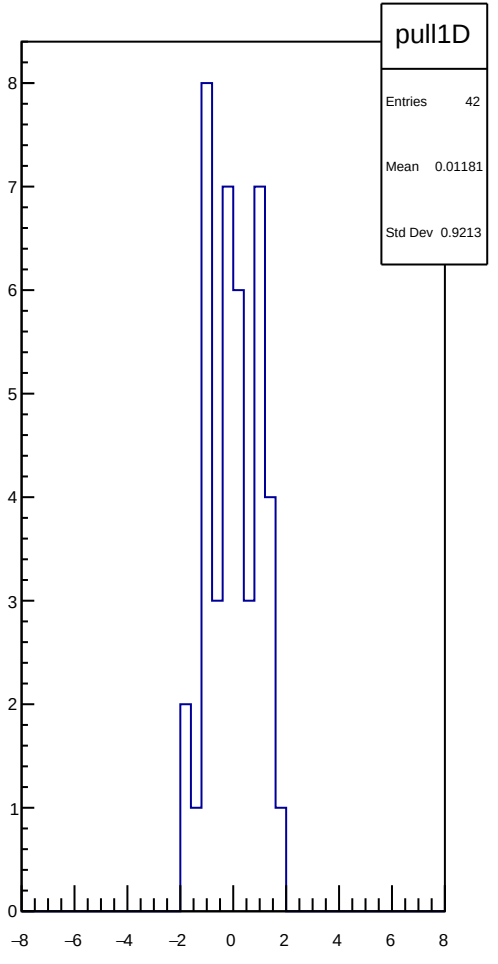

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 2941 / 41
p0 299 ± 0.3293
350
340
330
320
310
300
290
280
270
260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

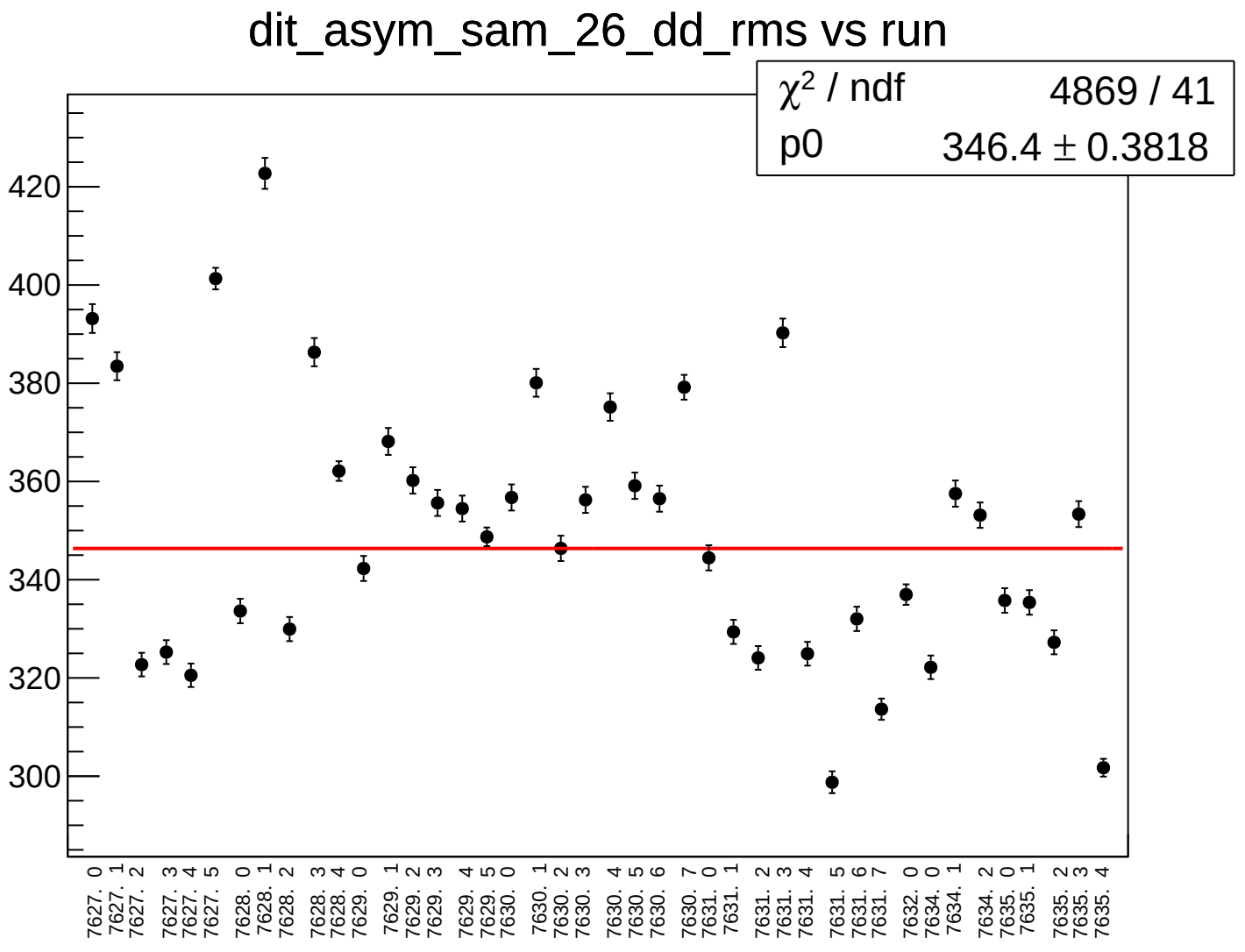

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.7 / 41
p0 −3.883e+04 ± 1.859e+04
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

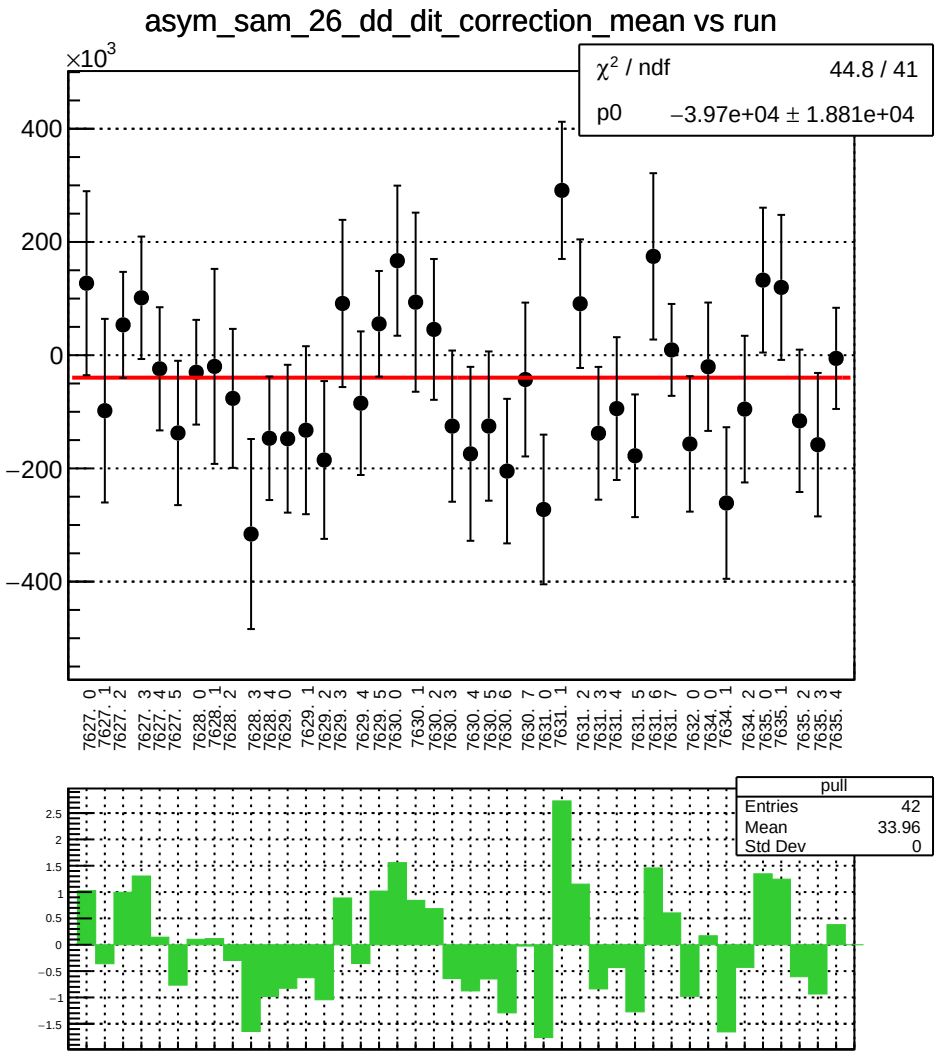

pull1D
Entries 42
Mean −0.03652
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

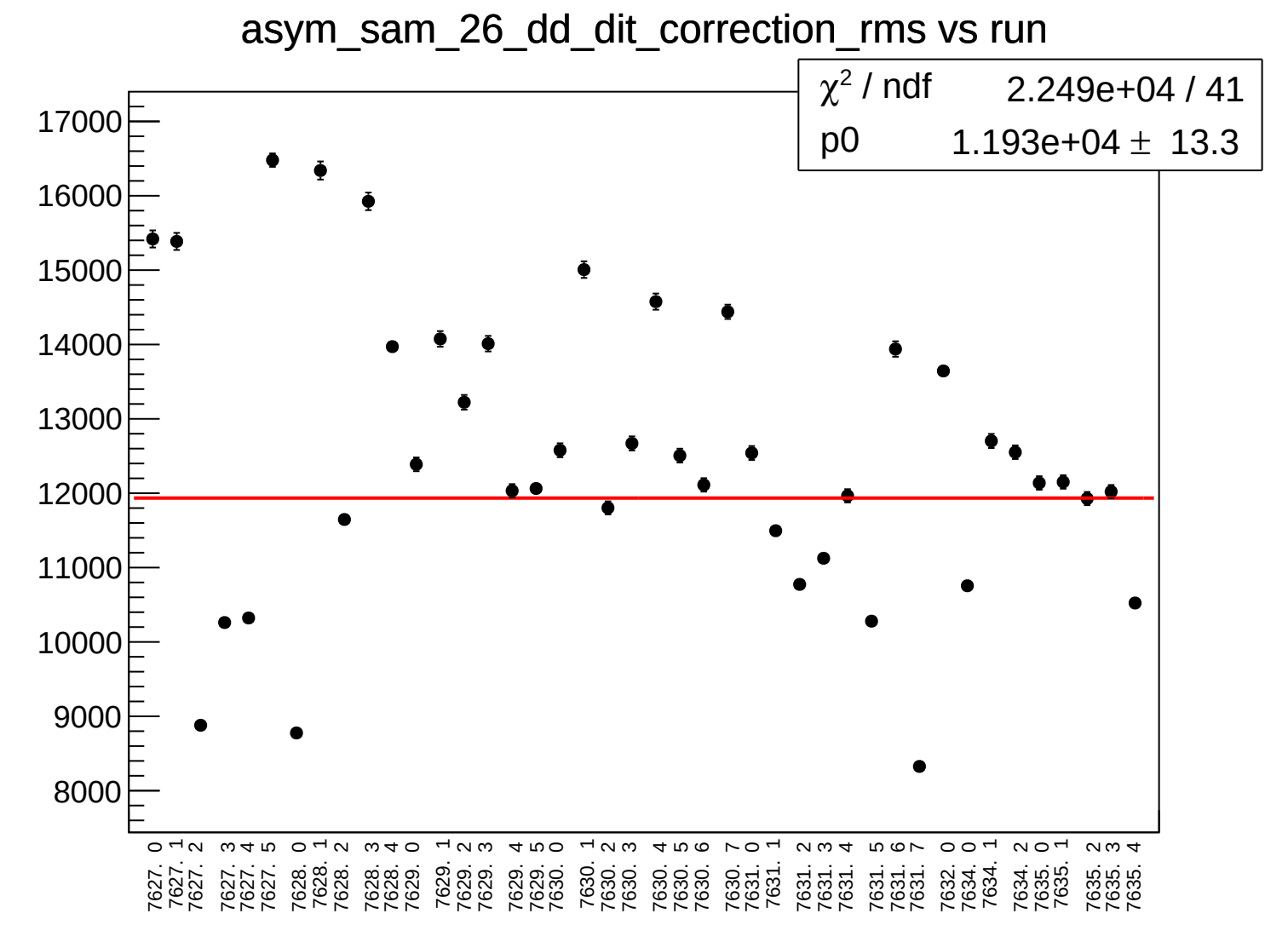

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.236e+04 / 41
p0 1.179e+04 ± 13.14
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

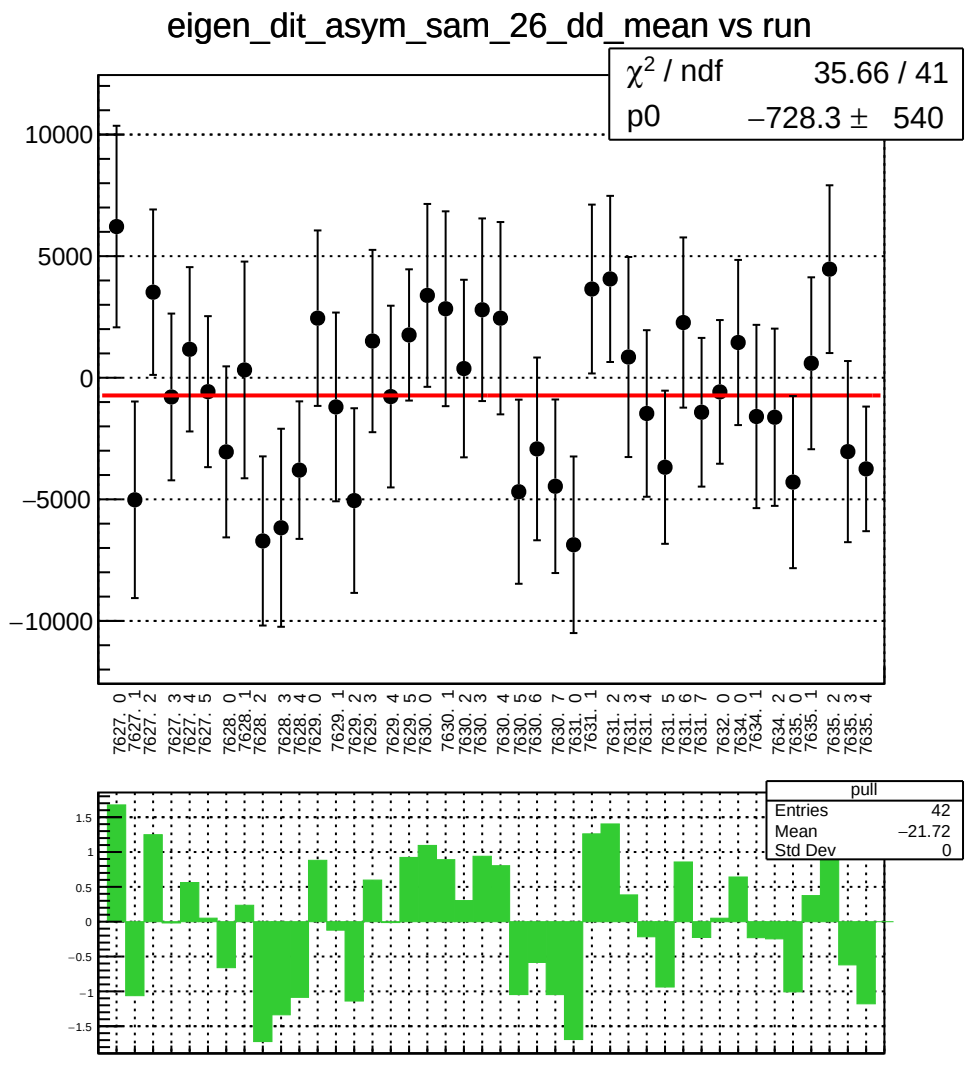

dit_asym_sam_26_dd_mean vs run
χ² / ndf 35.66 / 41
p0 −728.3 ± 540
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −21.73
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

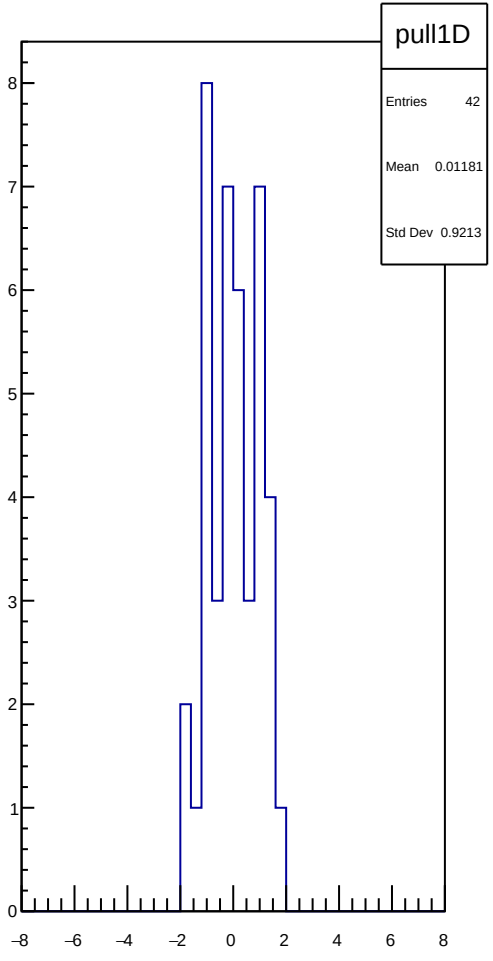

pull1D
Entries 42
Mean 0.01181
Std Dev 0.9213
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

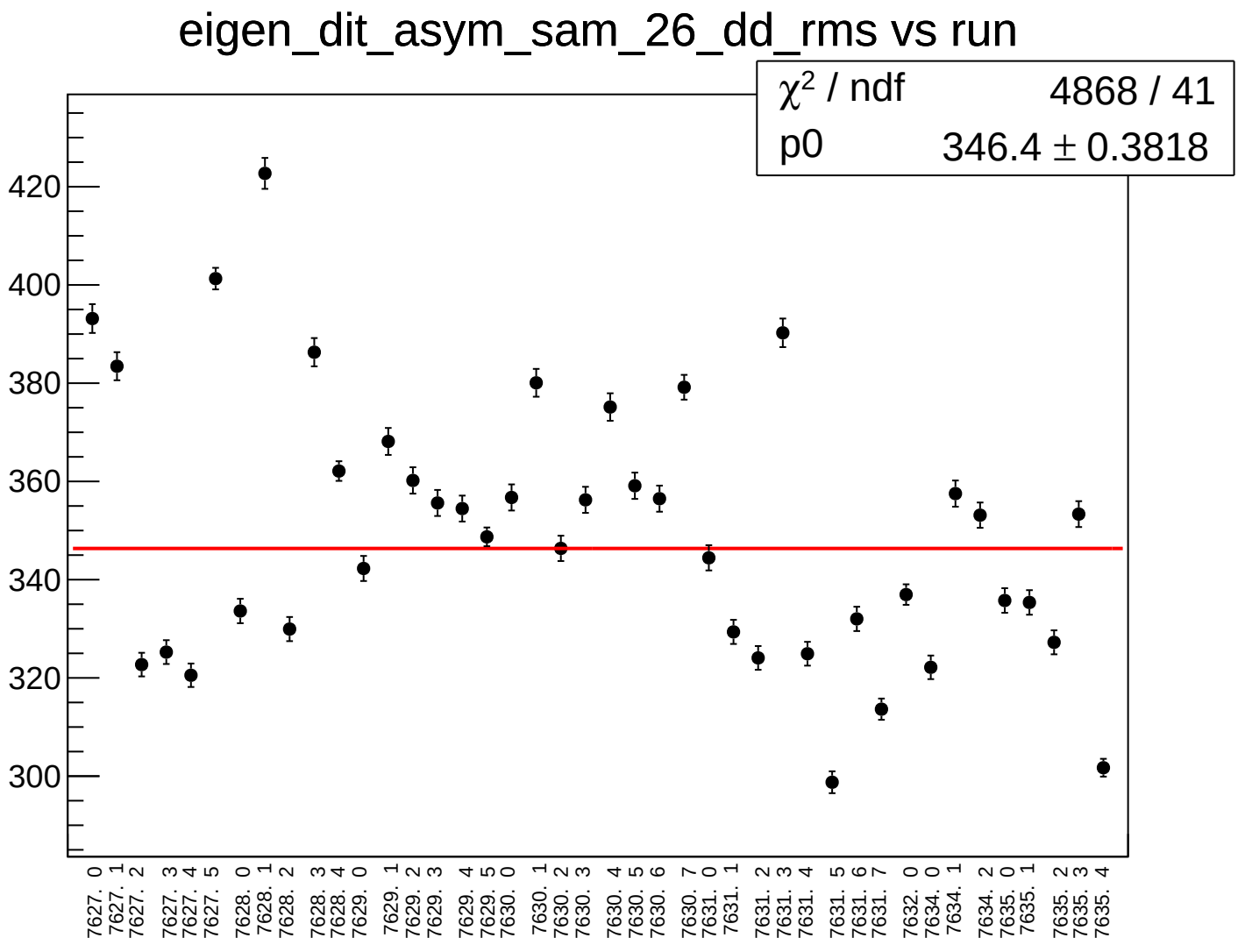

dit_asym_sam_26_dd_rms vs run
χ² / ndf 4869 / 41
p0 346.4 ± 0.3818
420
400
380
360
340
320
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

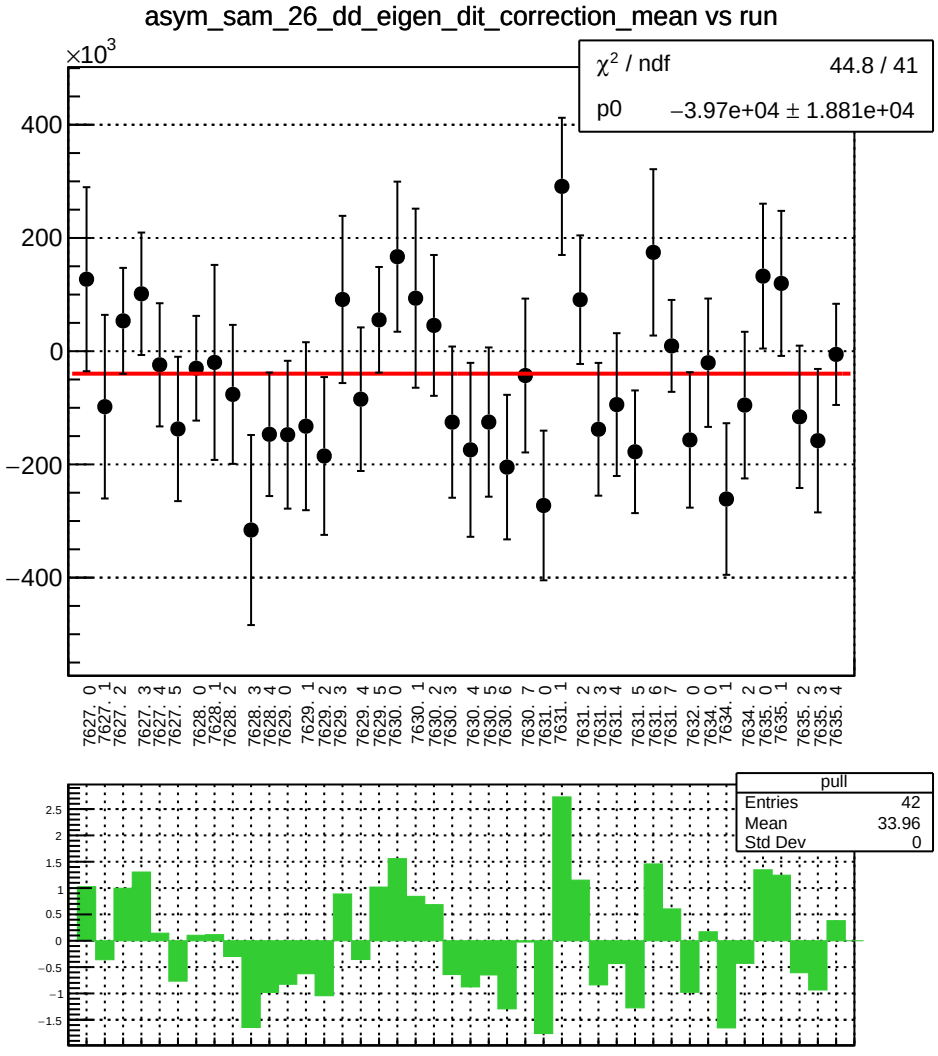

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 44.8 / 41
p0 −3.97e+04 ± 1.881e+04
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03621
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

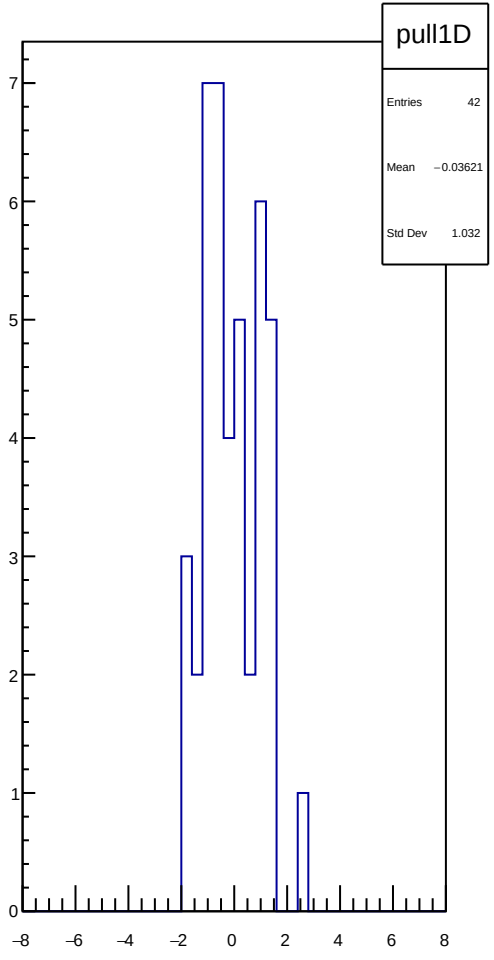

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 2.249e+04 / 41
p0 1.193e+04 ± 13.3
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

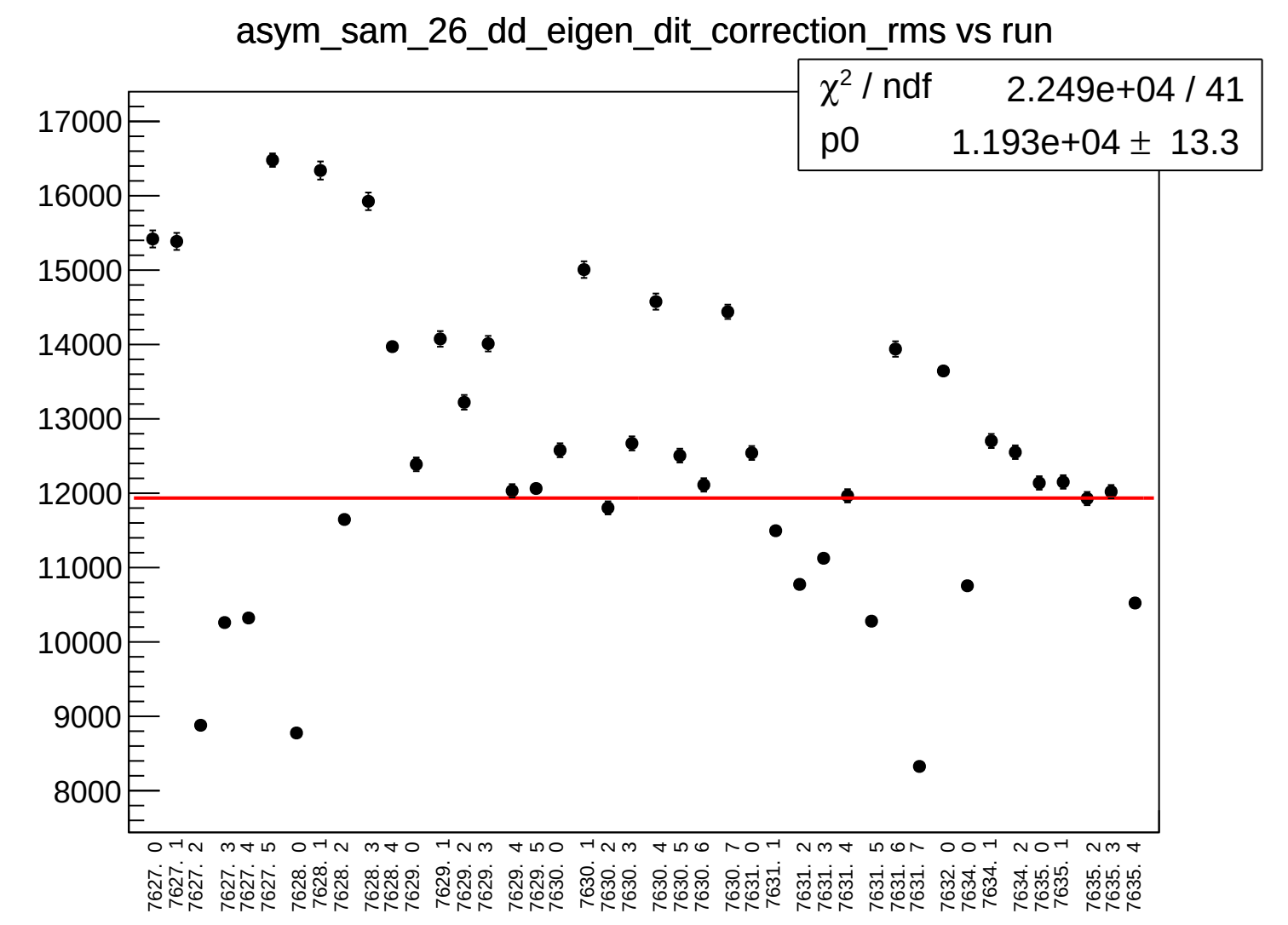

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 35.66 / 41
p0 −728.3 ± 540
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −21.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

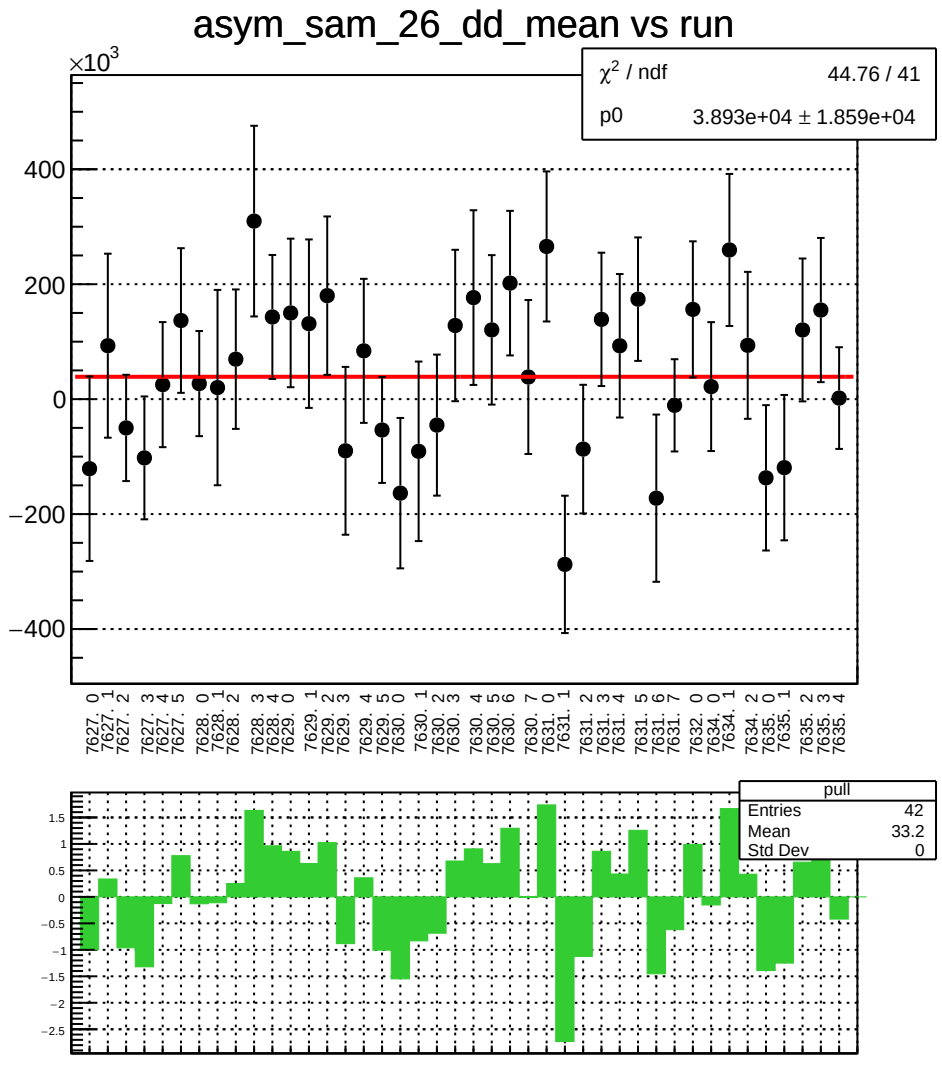

pull1D
Entries 42
Mean 0.01181
Std Dev 0.9213
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

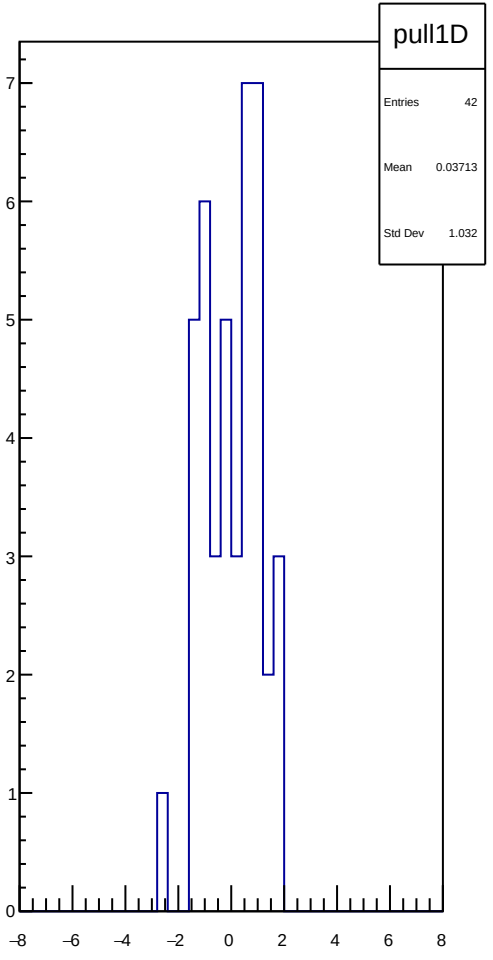

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 4868 / 41
p0 346.4 ± 0.3818
420
400
380
360
340
320
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

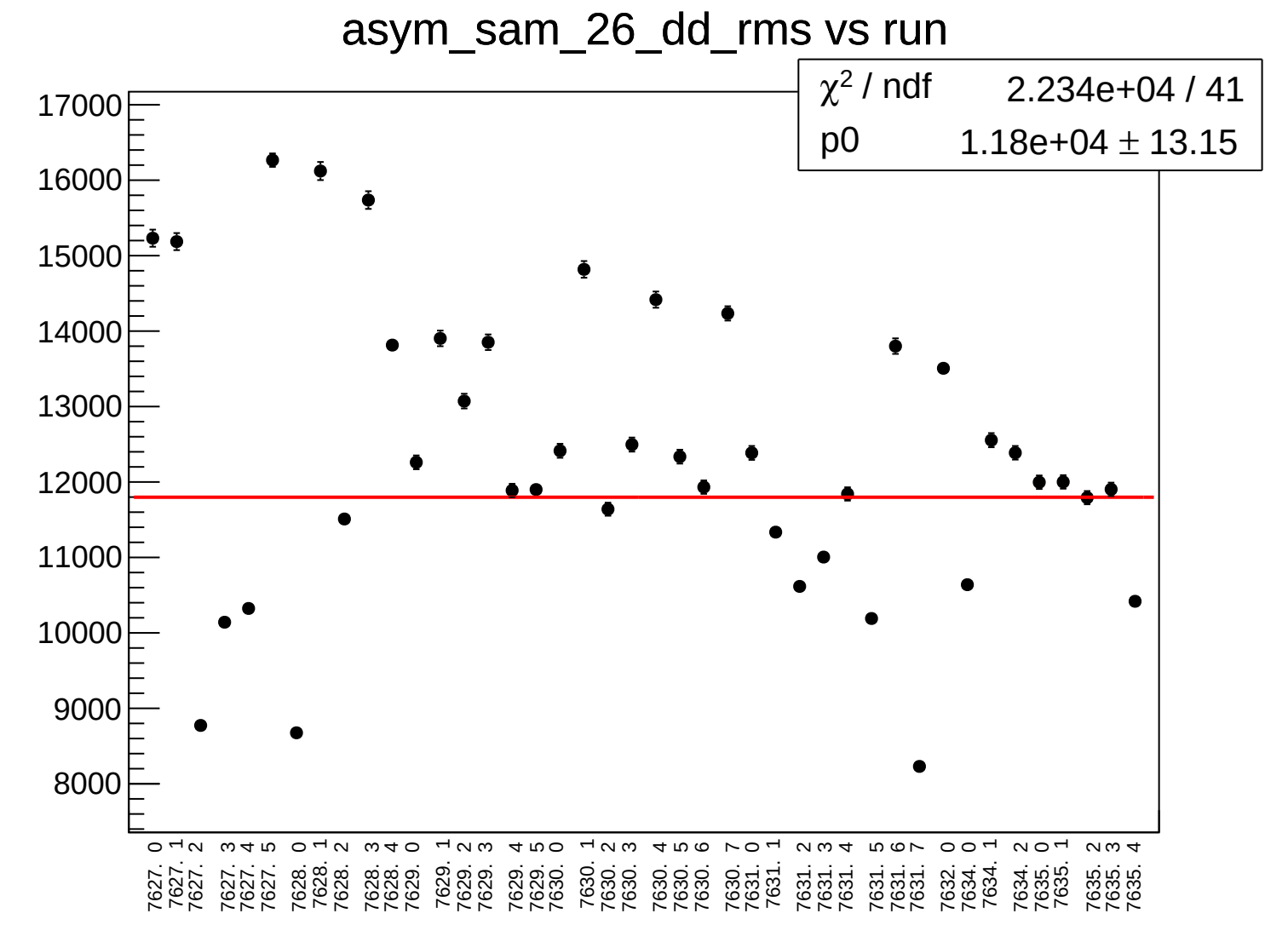

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 44.8 / 41
p0 −3.97e+04 ± 1.881e+04
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

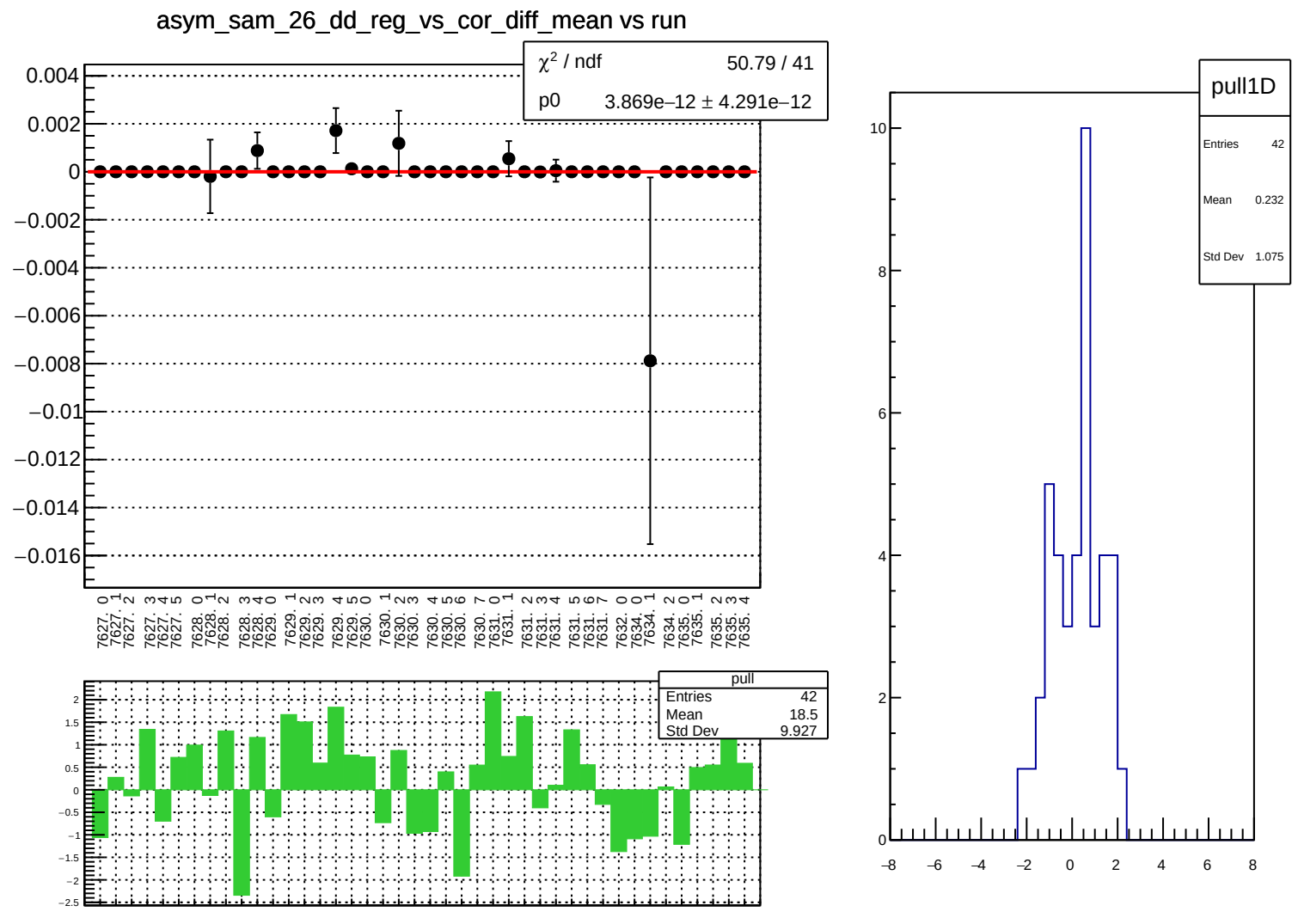

pull1D
Entries 42
Mean −0.03621
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

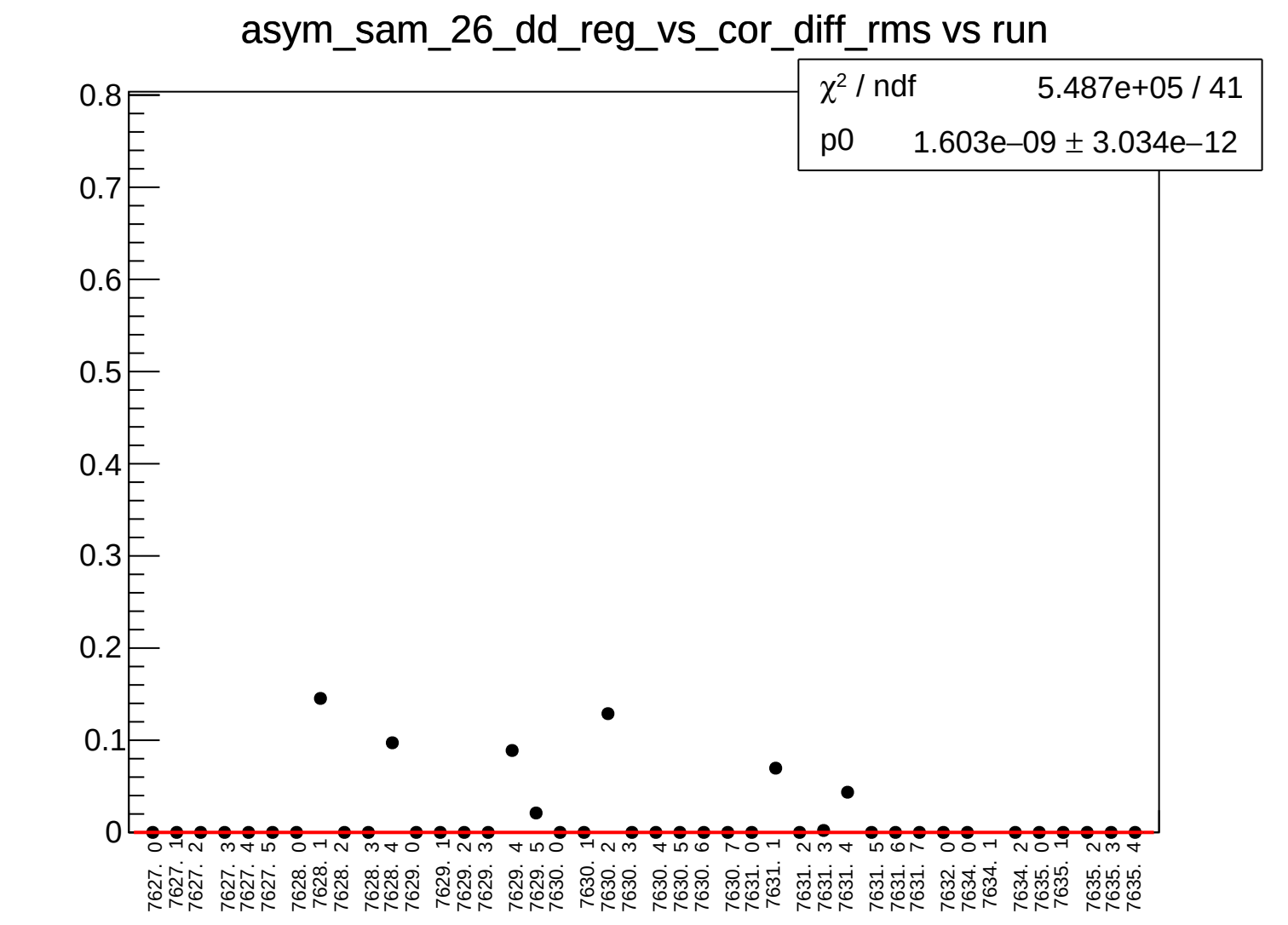

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.249e+04 / 41
p0 1.193e+04 ± 13.3
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

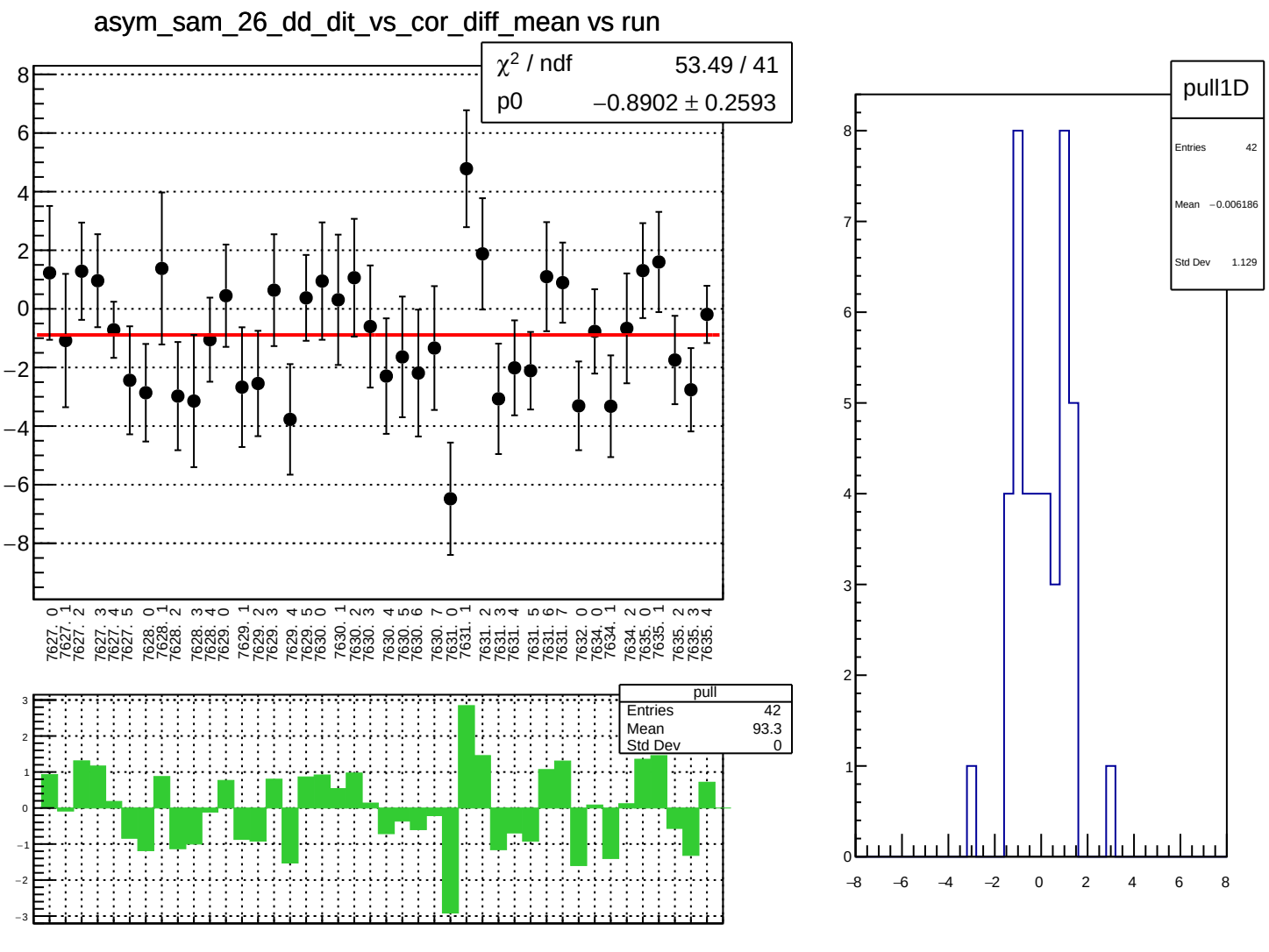

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 44.76 / 41
p0 3.893e+04 ± 1.859e+04
400
200
0
−200
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

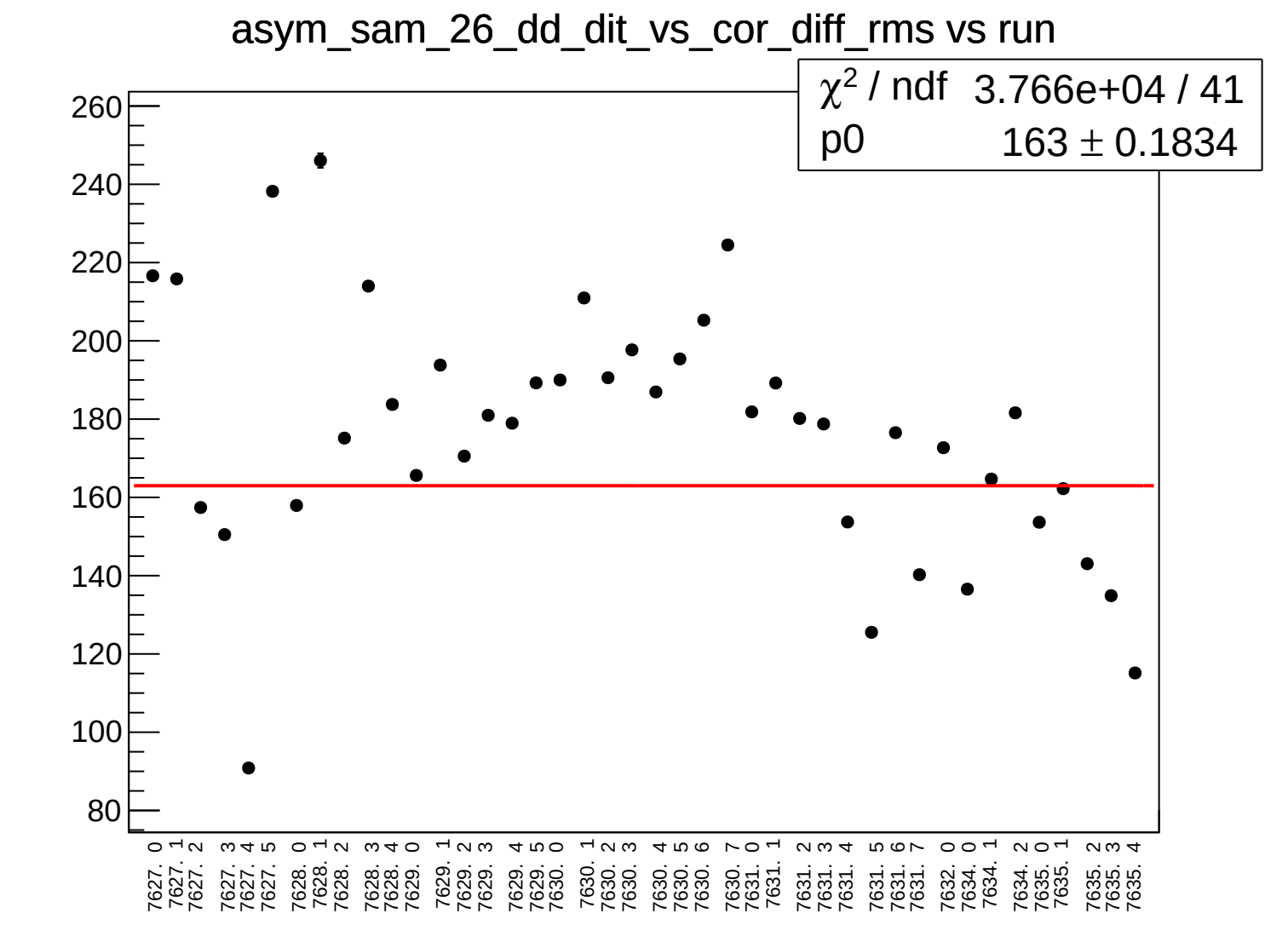

pull1D
Entries 42
Mean 0.03713
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

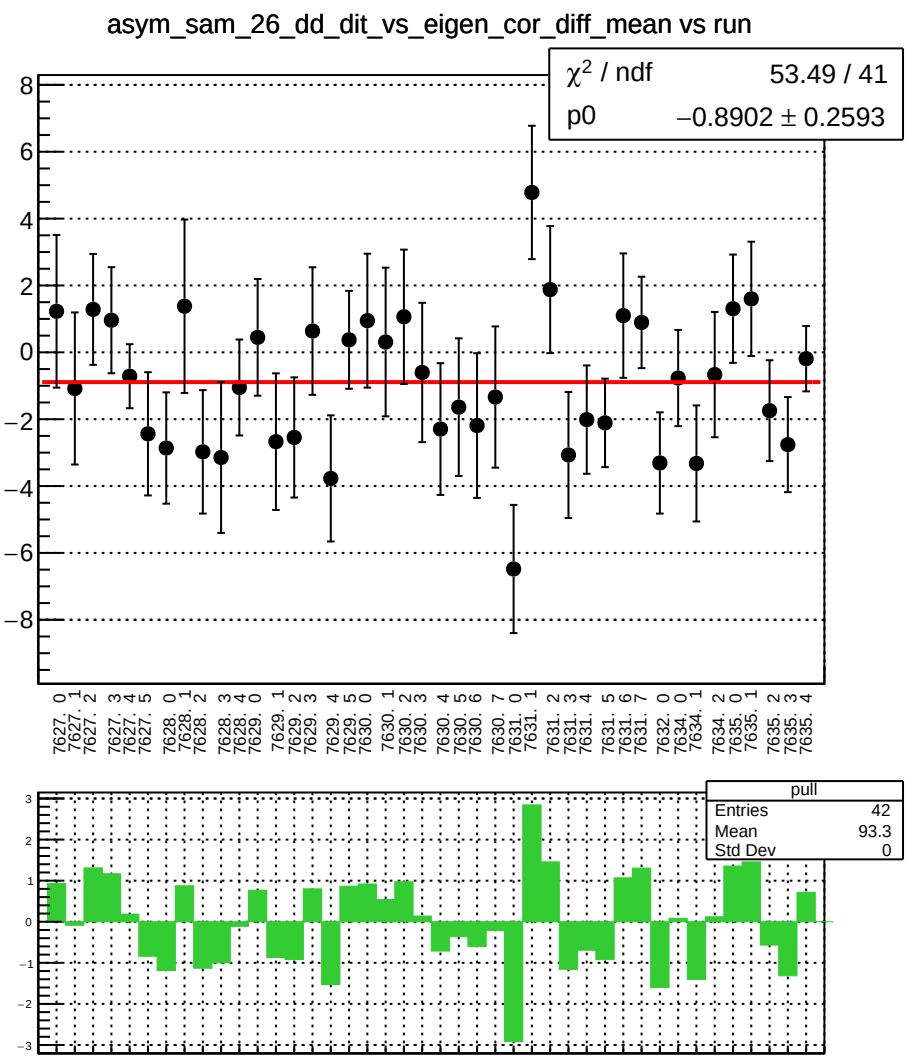

asym_sam_26_dd_rms vs run
χ² / ndf 2.234e+04 / 41
p0 1.18e+04 ± 13.15
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

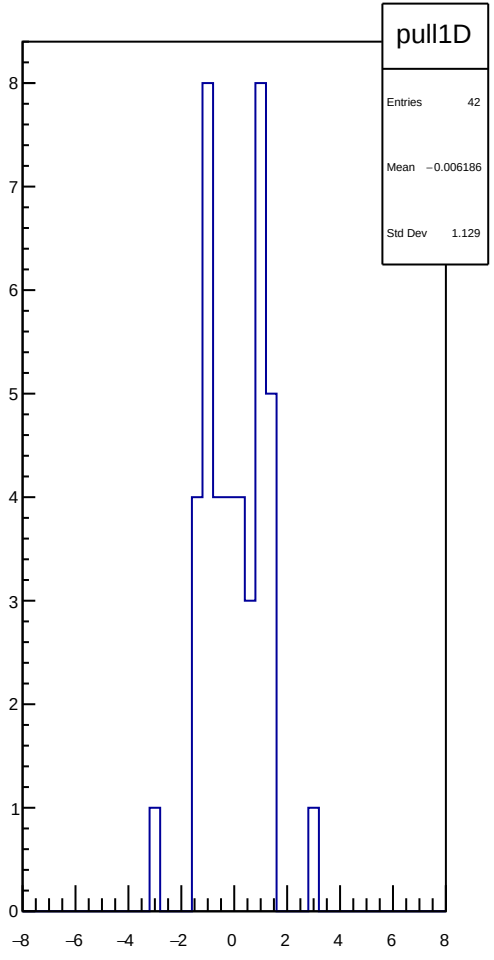

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.79 / 41
p0 3.869e−12 ± 4.291e−12
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
−0.014
−0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.5
Std Dev 9.927
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.232
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

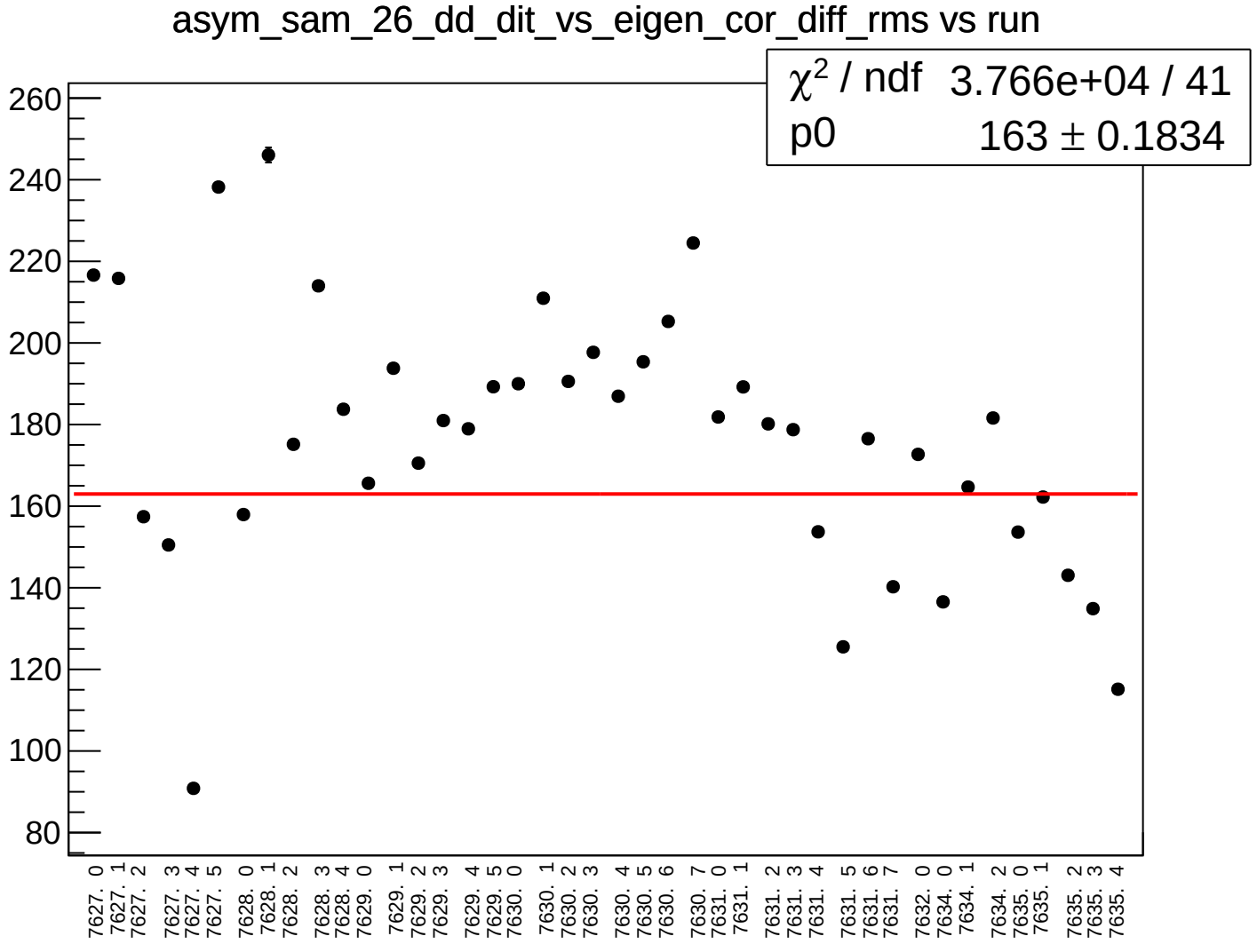

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.487e+05 / 41
p0 1.603e−09 ± 3.034e−12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

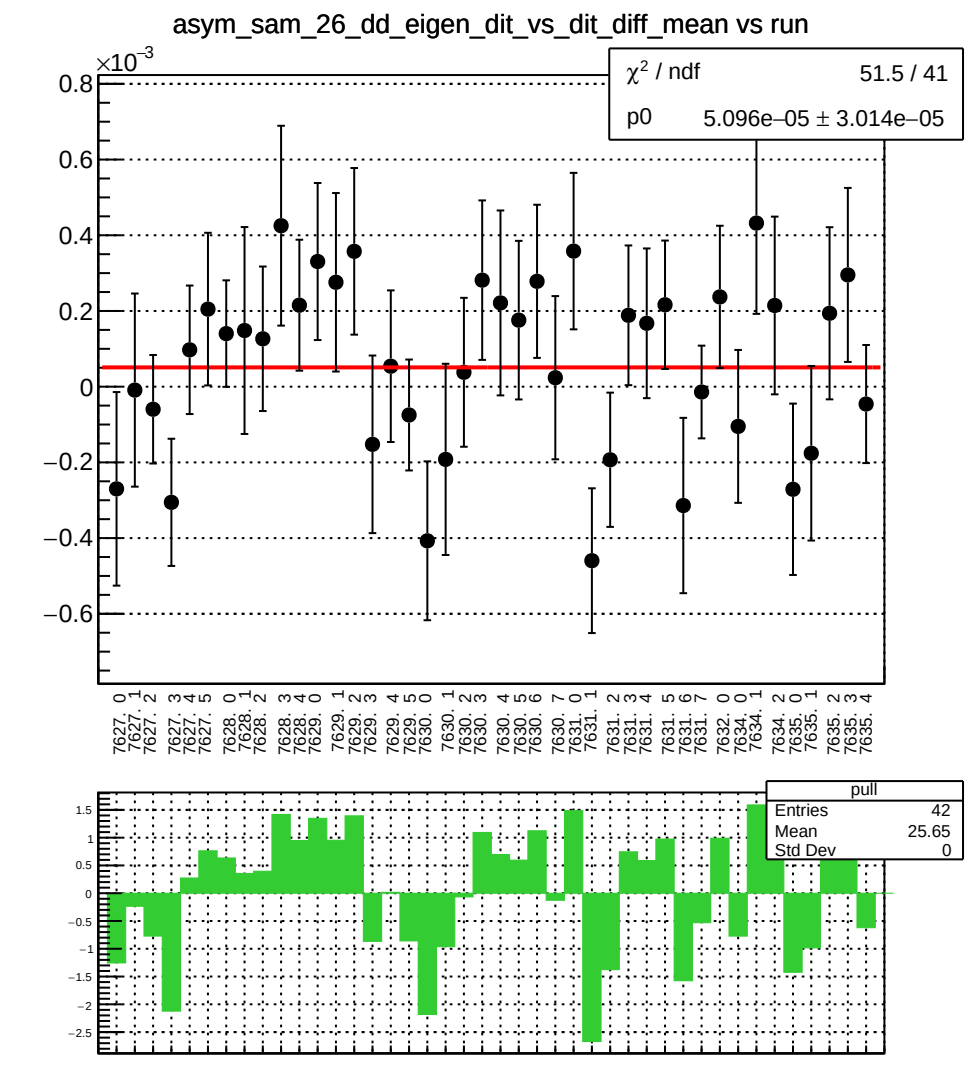

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.49 / 41
p0 −0.8902 ± 0.2593
pull
Entries 42
Mean 93.3
Std Dev 0
pull1D
Entries 42
Mean −0.006186
Std Dev 1.129

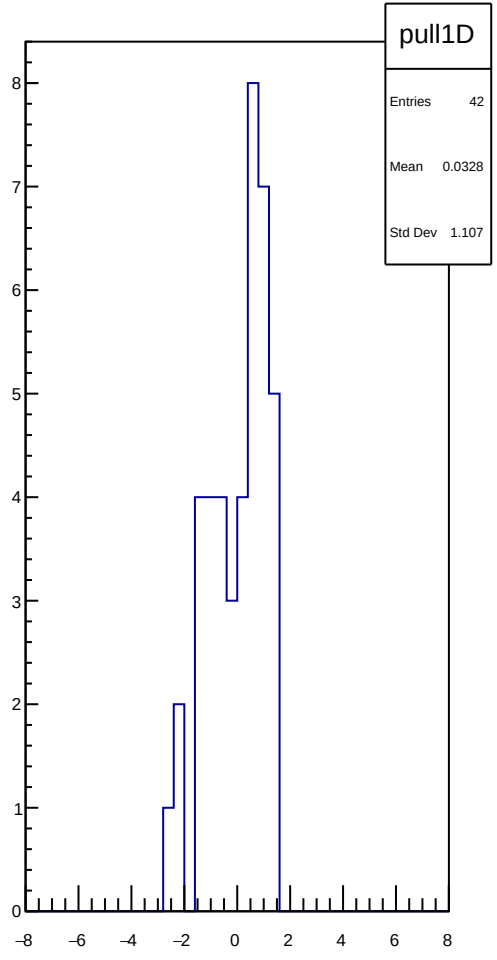

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.766e+04 / 41
p0 163 ± 0.1834
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

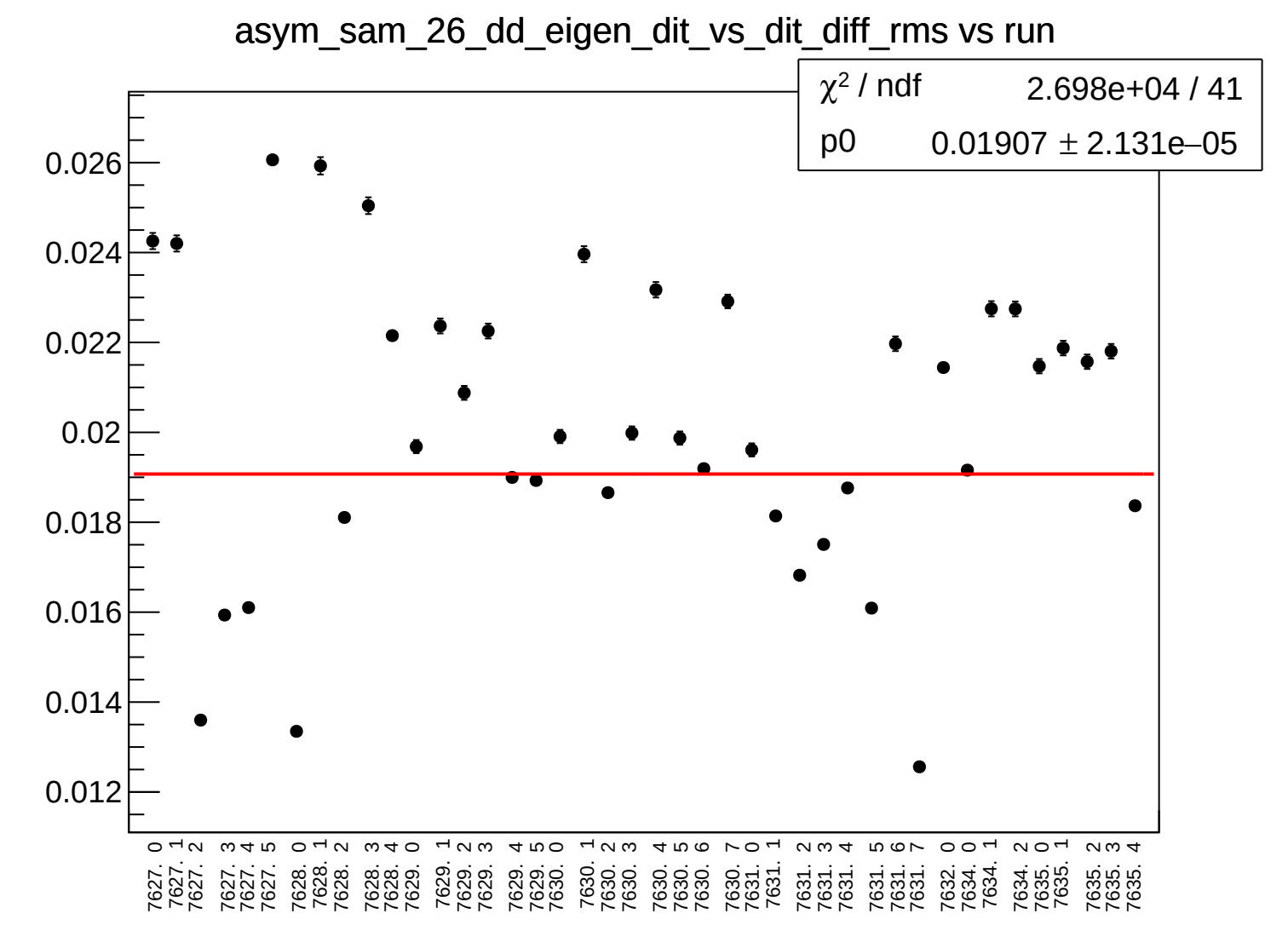

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.49 / 41
p0 −0.8902 ± 0.2593
pull
Entries 42
Mean 93.3
Std Dev 0

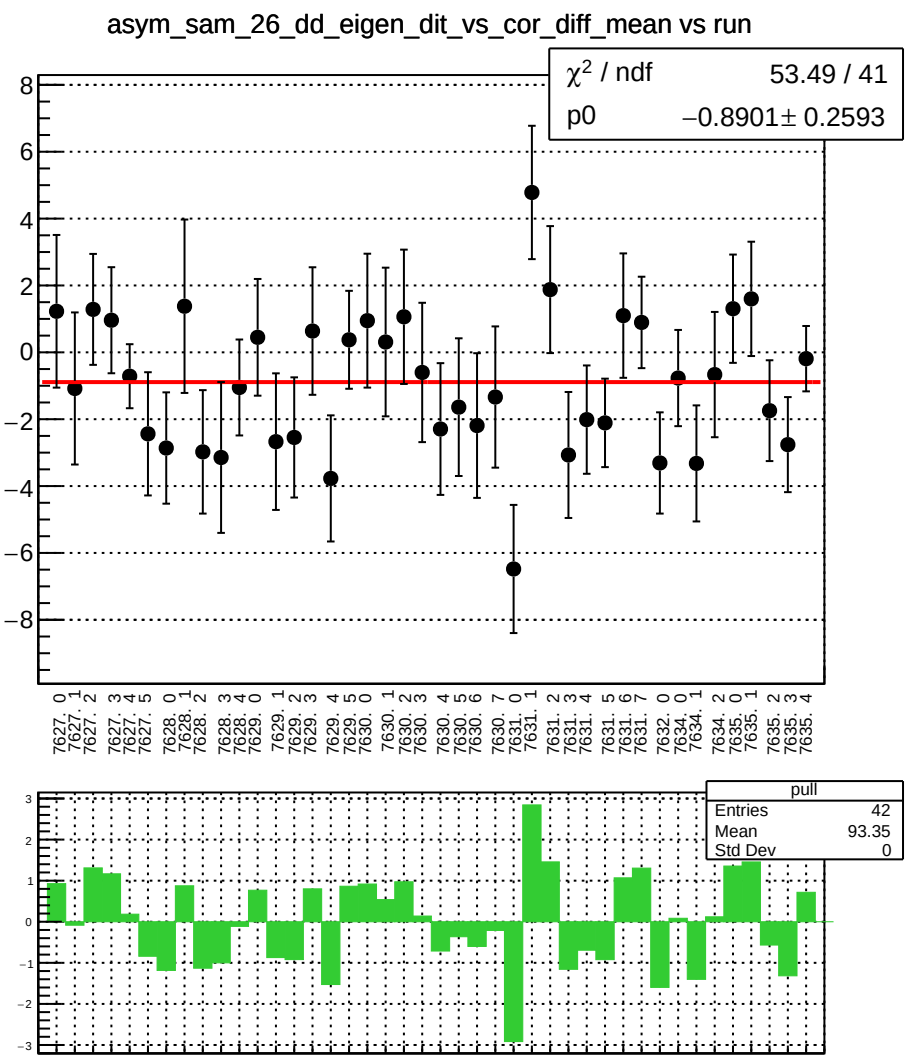

pull1D
Entries 42
Mean −0.006186
Std Dev 1.129

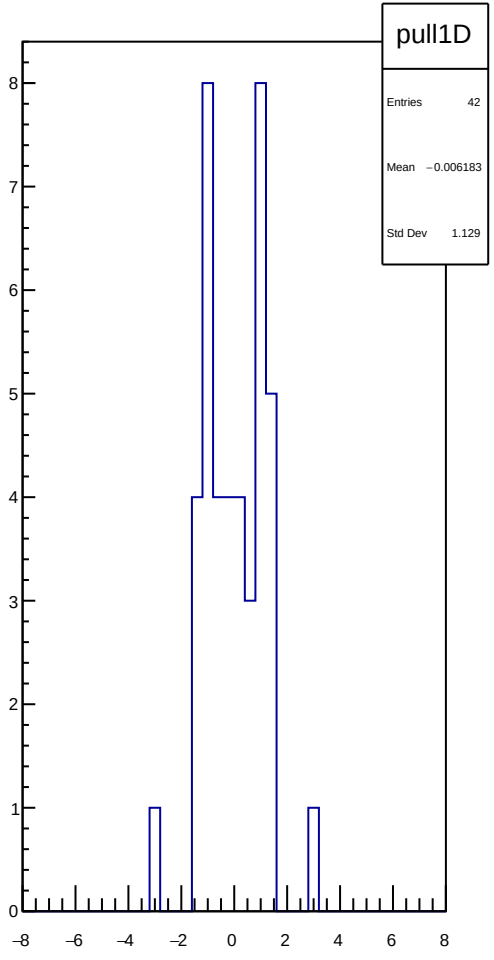

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.766e+04 / 41
p0 163 ± 0.1834
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

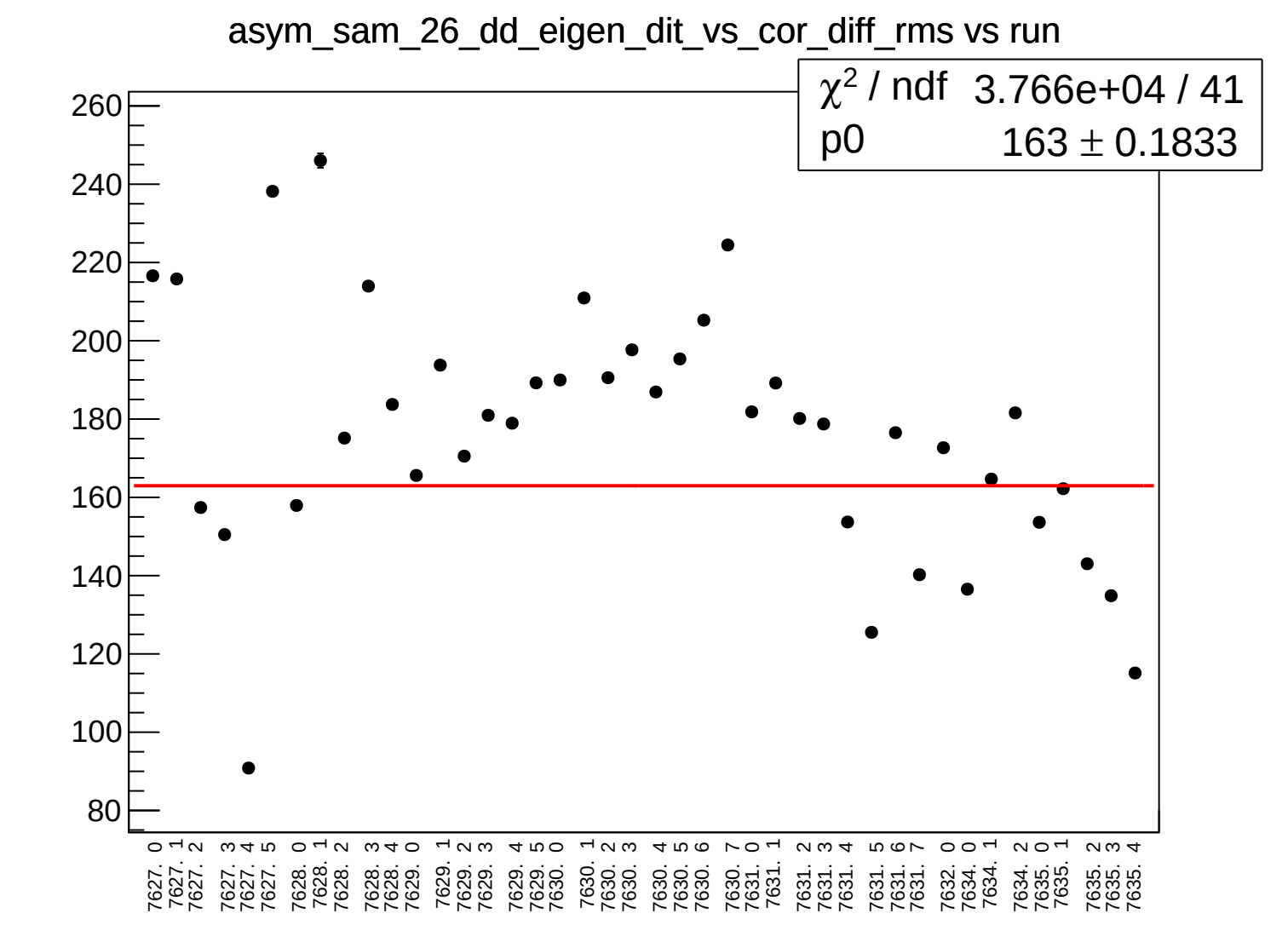

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.5 / 41
p0 5.096e−05 ± 3.014e−05
pull
Entries 42
Mean 25.65
Std Dev 0

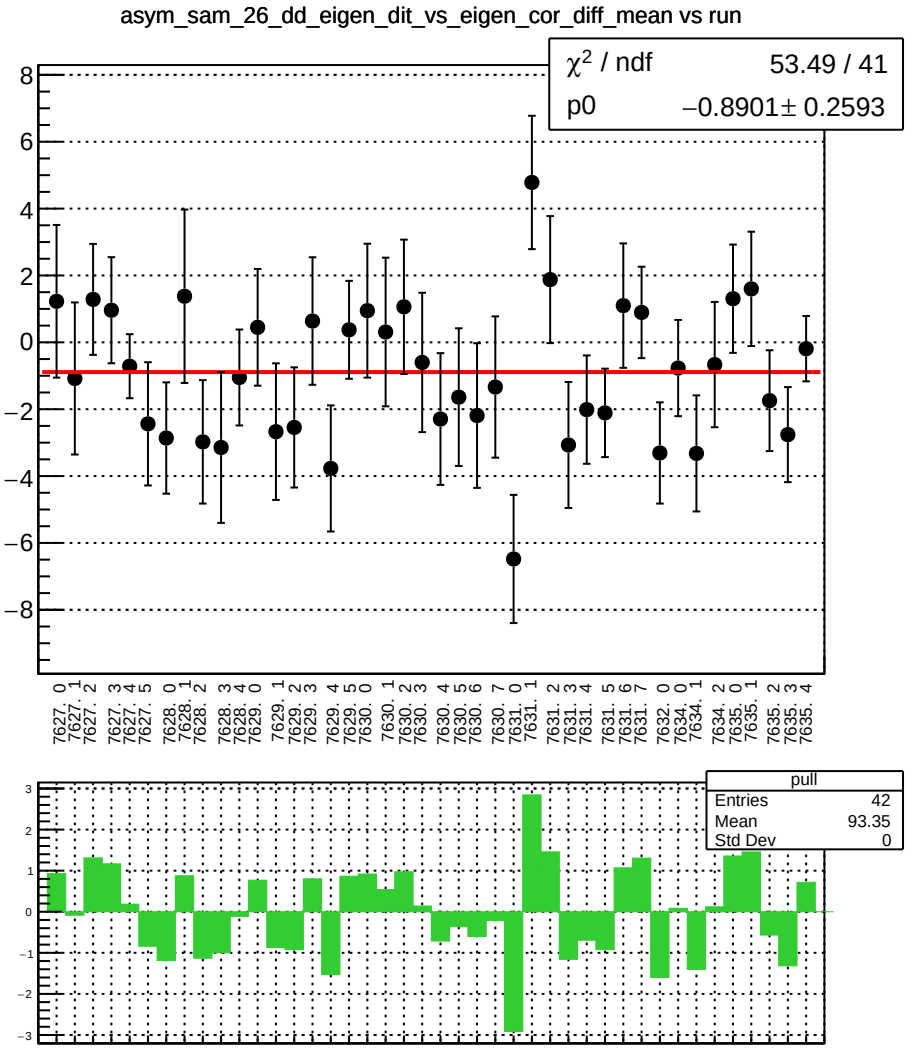

pull1D
Entries 42
Mean 0.0328
Std Dev 1.107

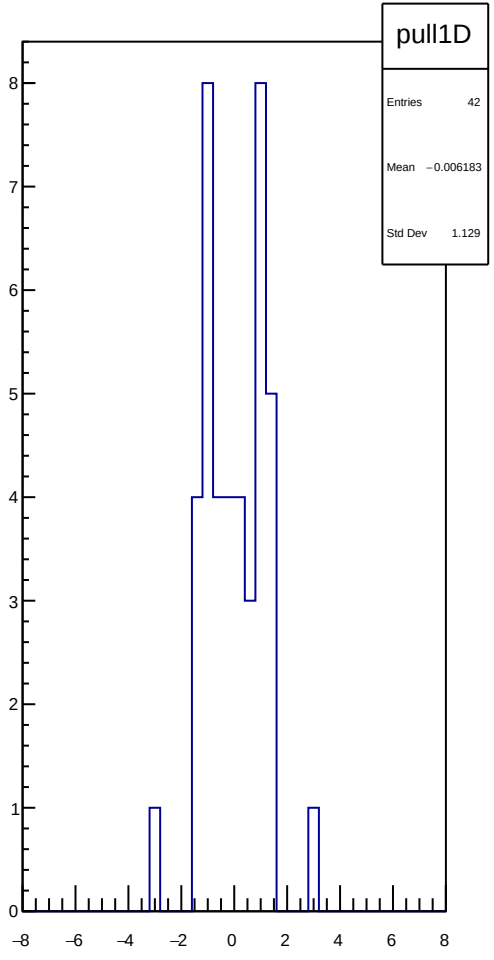

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.698e+04 / 41
p0 0.01907 ± 2.131e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

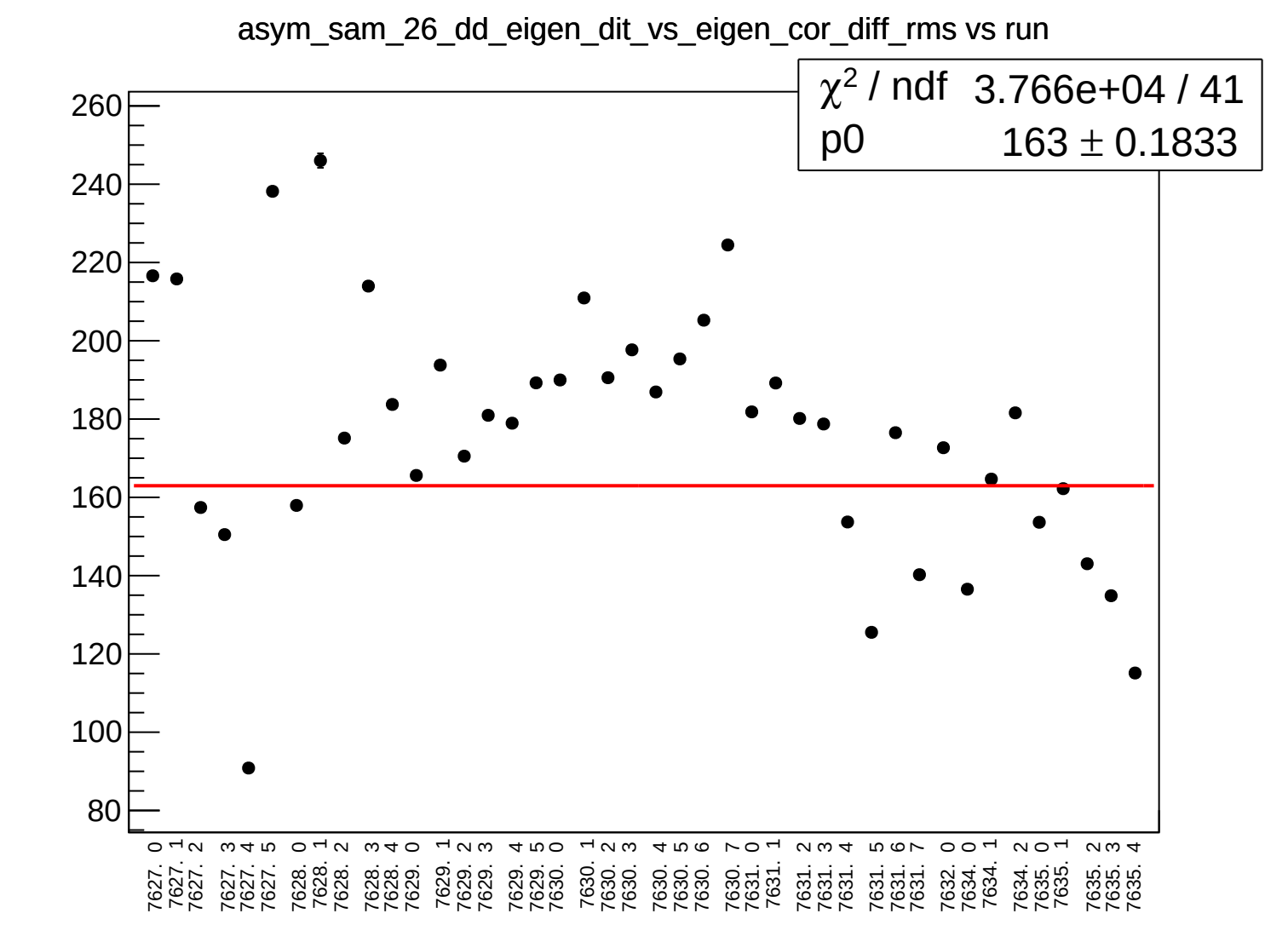

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.49 / 41
p0 −0.8901± 0.2593
pull
Entries 42
Mean 93.35
Std Dev 0

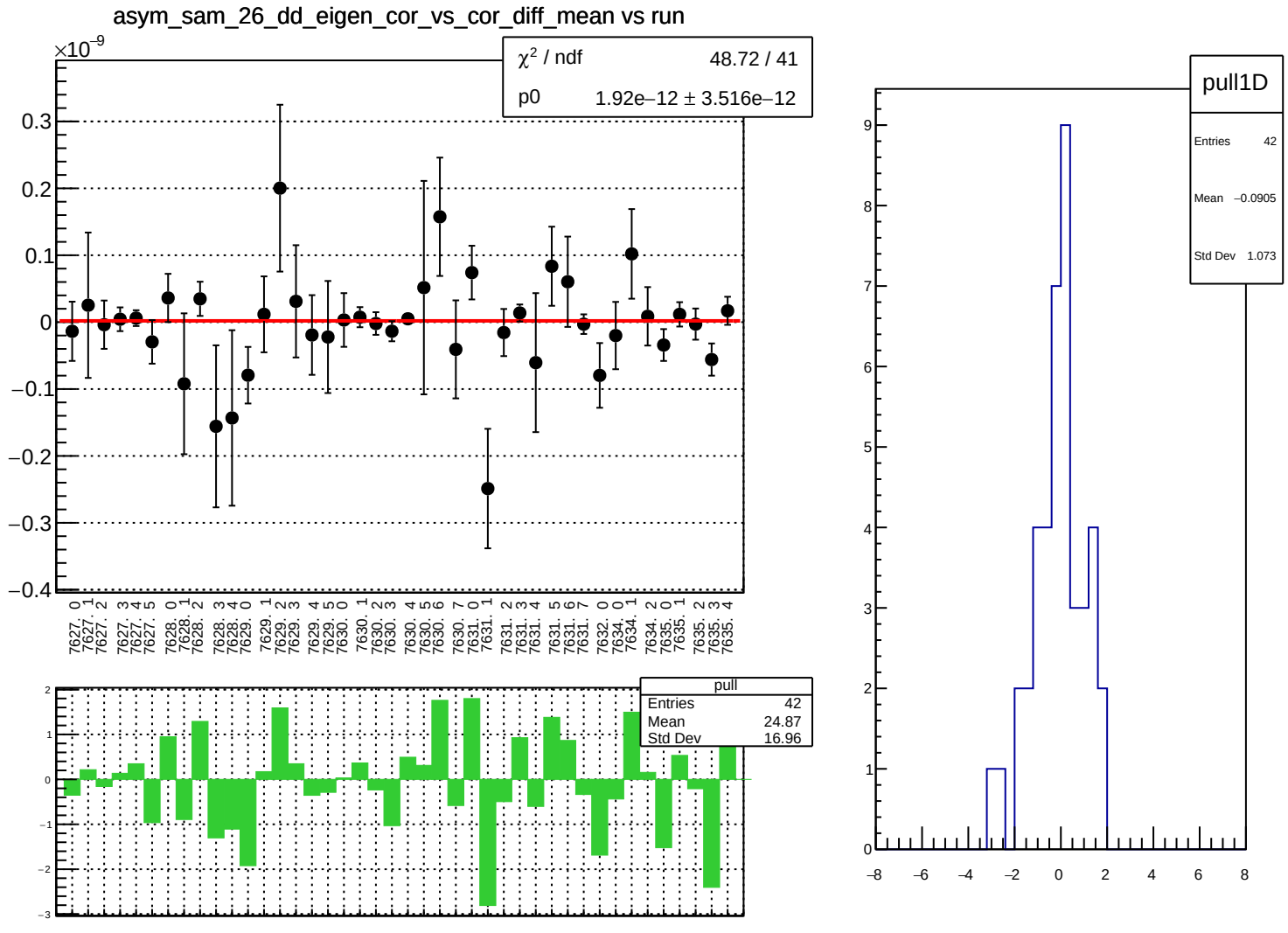

pull1D
Entries 42
Mean −0.006183
Std Dev 1.129

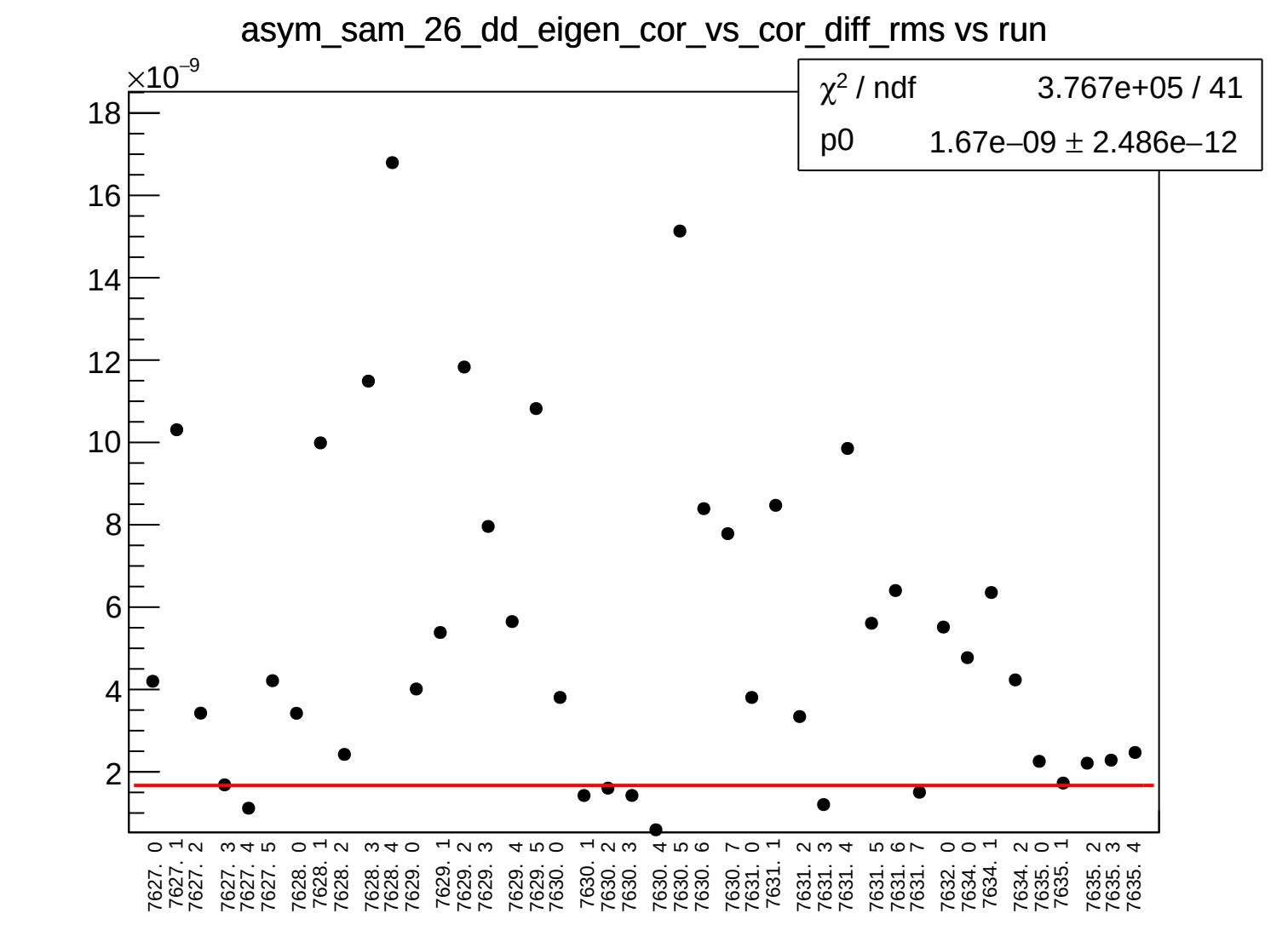

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.766e+04 / 41
p0 163 ± 0.1833
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

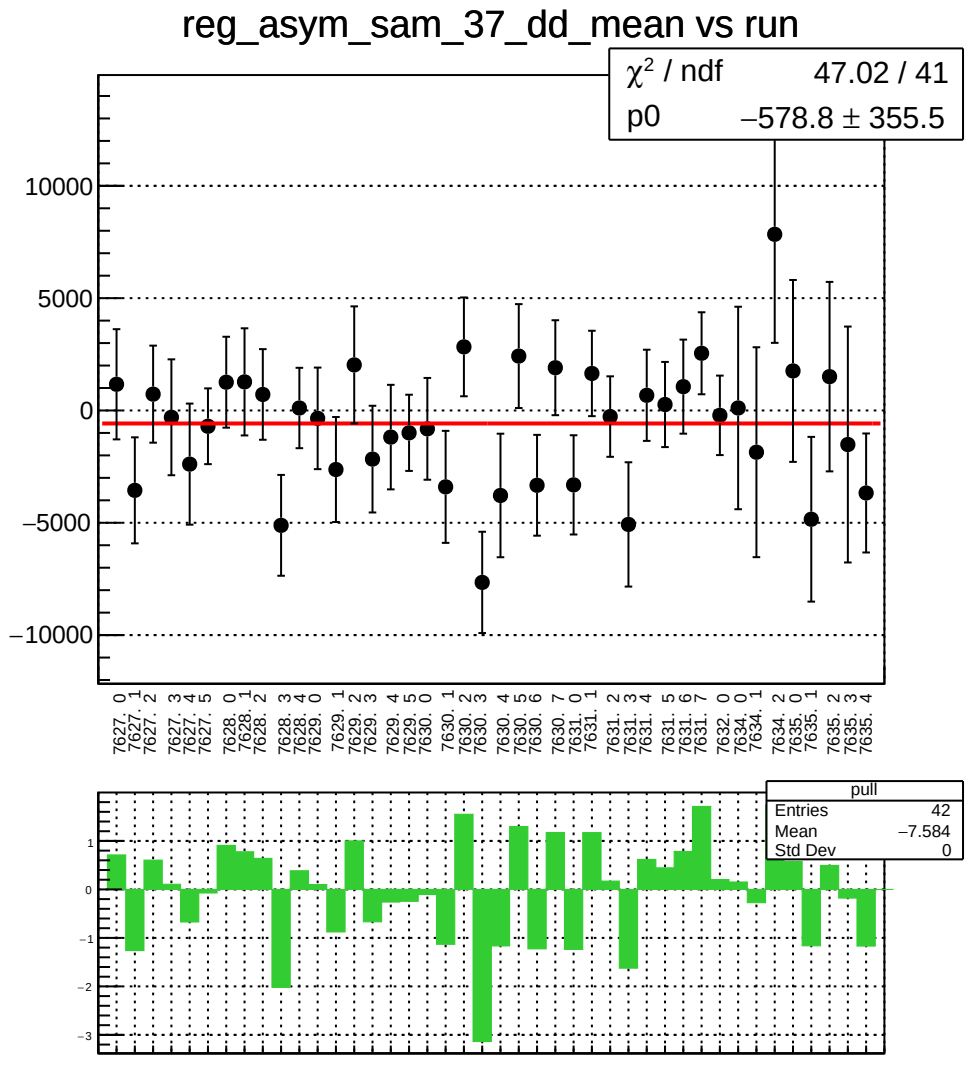

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.49 / 41
p0 −0.8901± 0.2593
pull
Entries 42
Mean 93.35
Std Dev 0

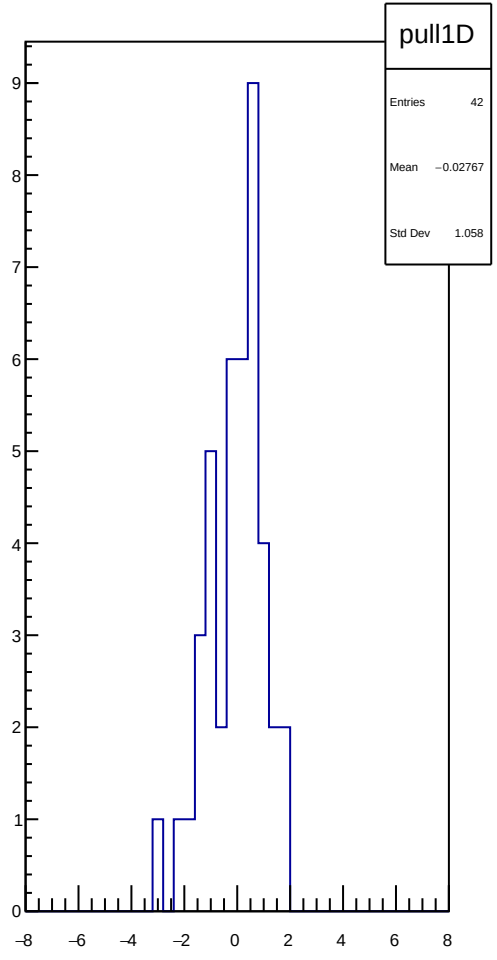

pull1D
Entries 42
Mean −0.006183
Std Dev 1.129

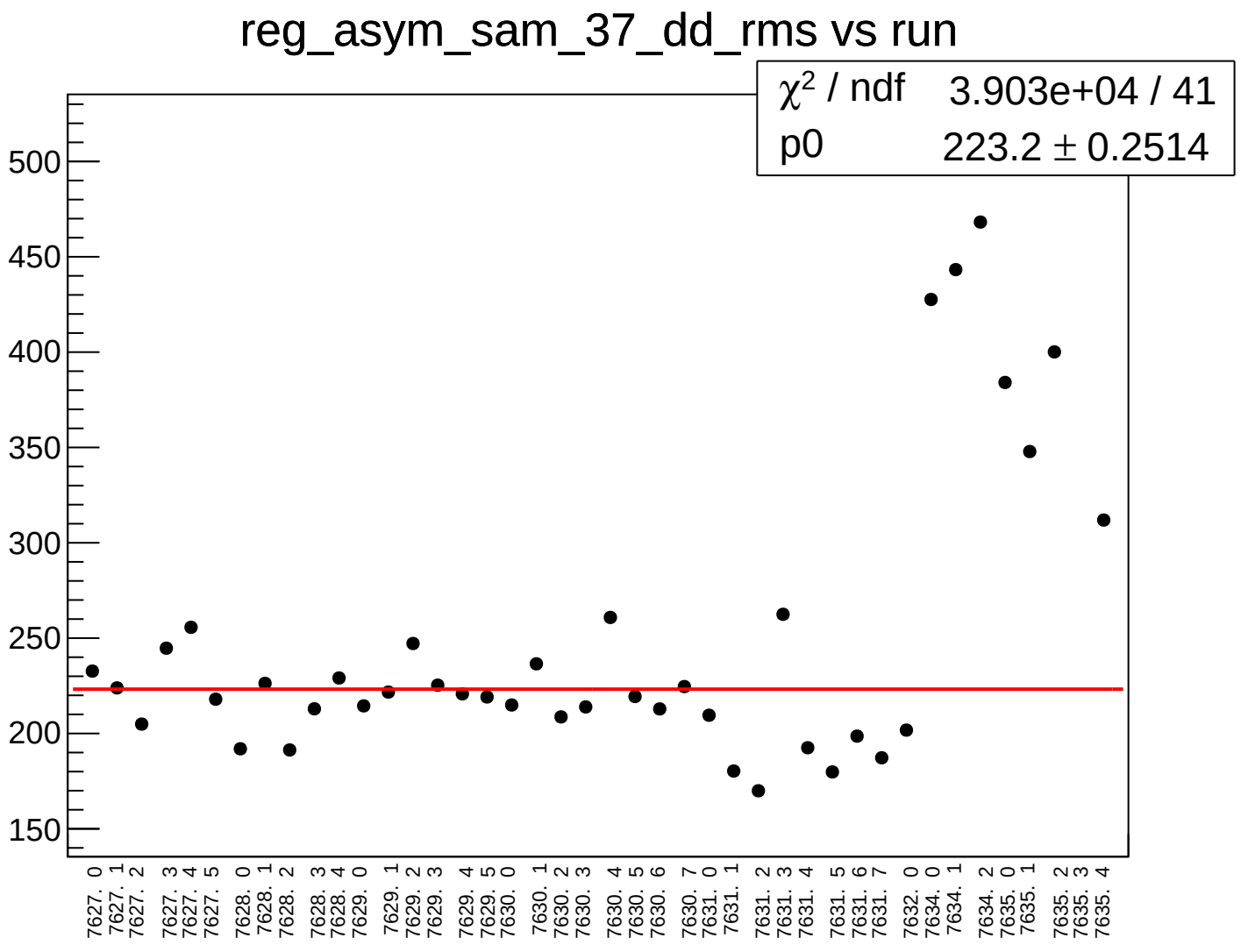

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.766e+04 / 41
p0 163 ± 0.1833
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

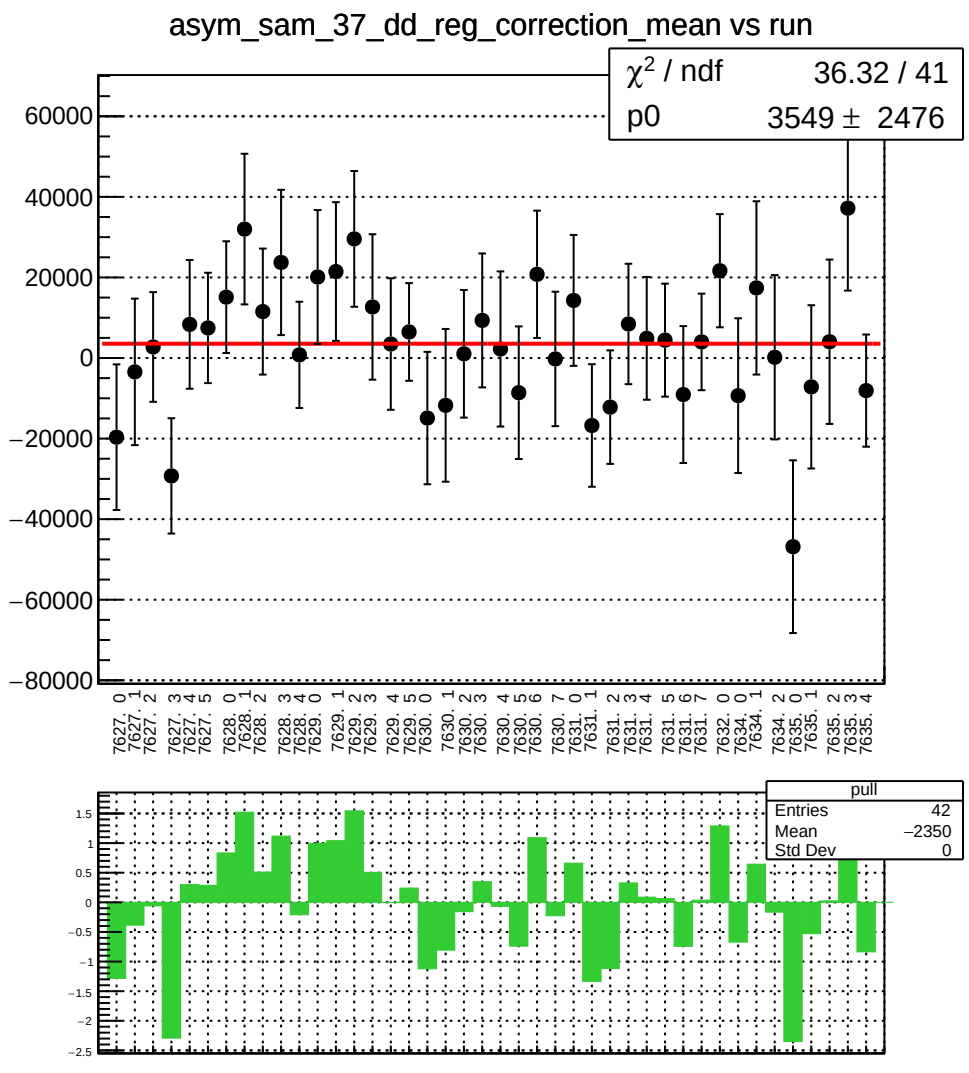

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 48.72 / 41
p0 1.92e−12 ± 3.516e−12
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 24.87
Std Dev 16.96
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.0905
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

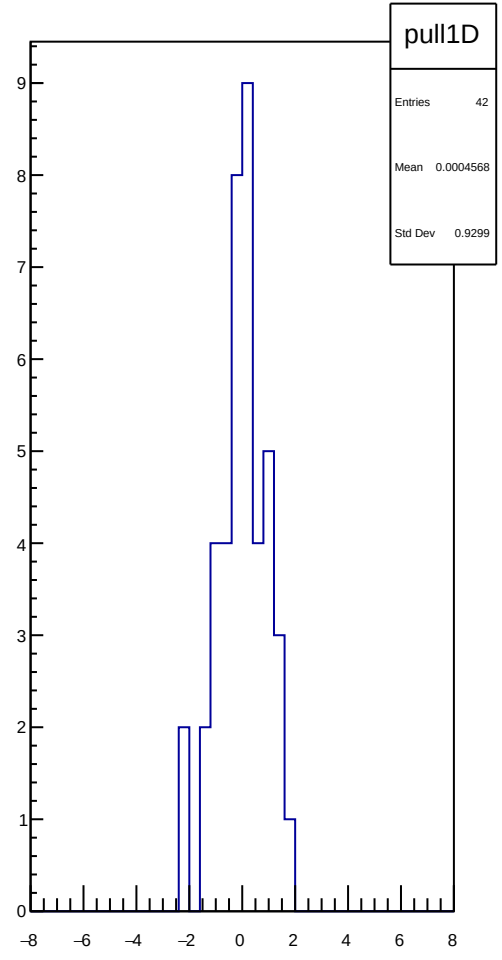

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.767e+05 / 41
p0 1.67e−09 ± 2.486e−12
18
16
14
12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

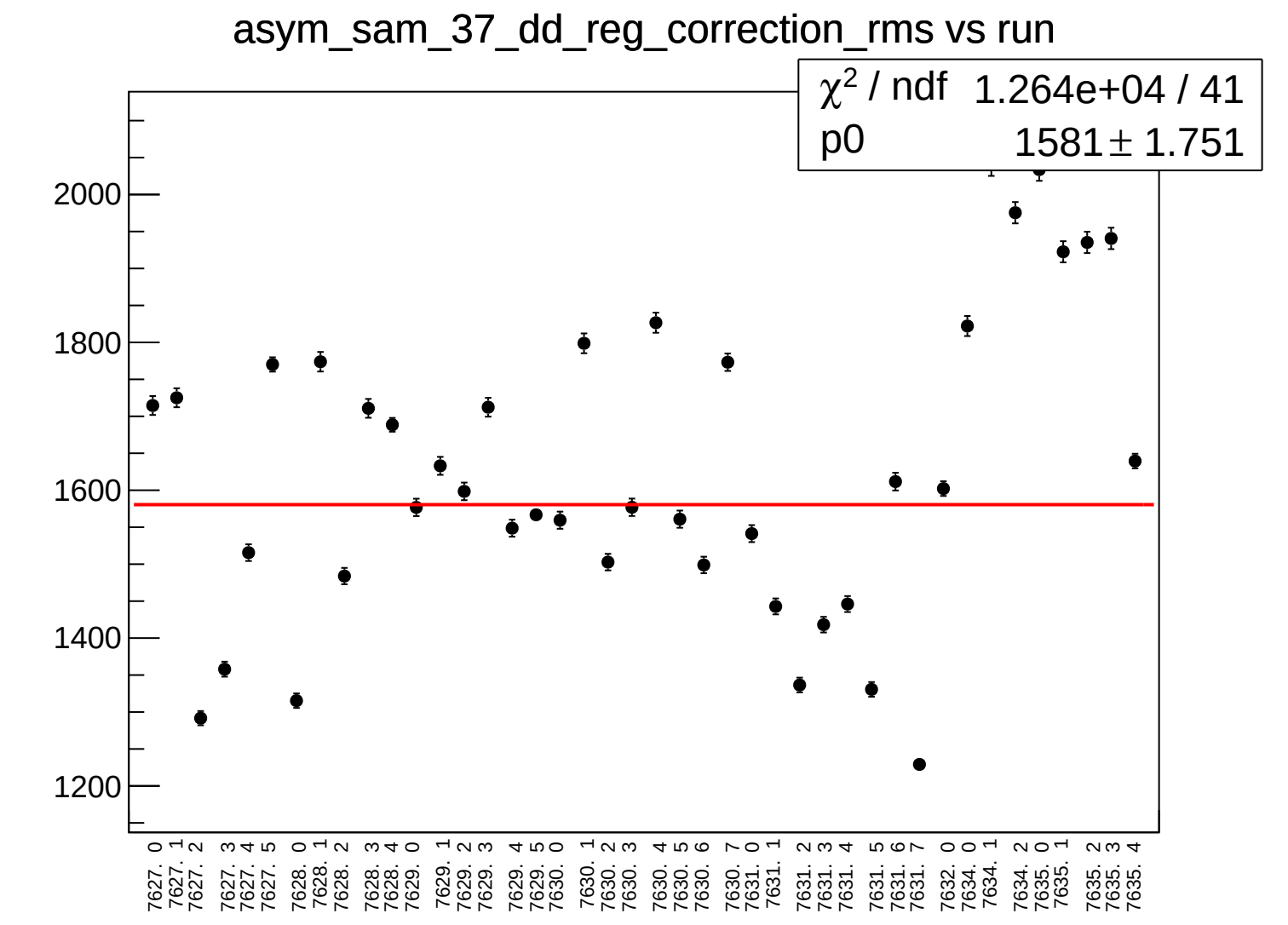

reg_asym_sam_37_dd_mean vs run
χ² / ndf 47.02 / 41
p0 −578.8 ± 355.5
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.584
Std Dev 0
1
0
−1
−2
−3

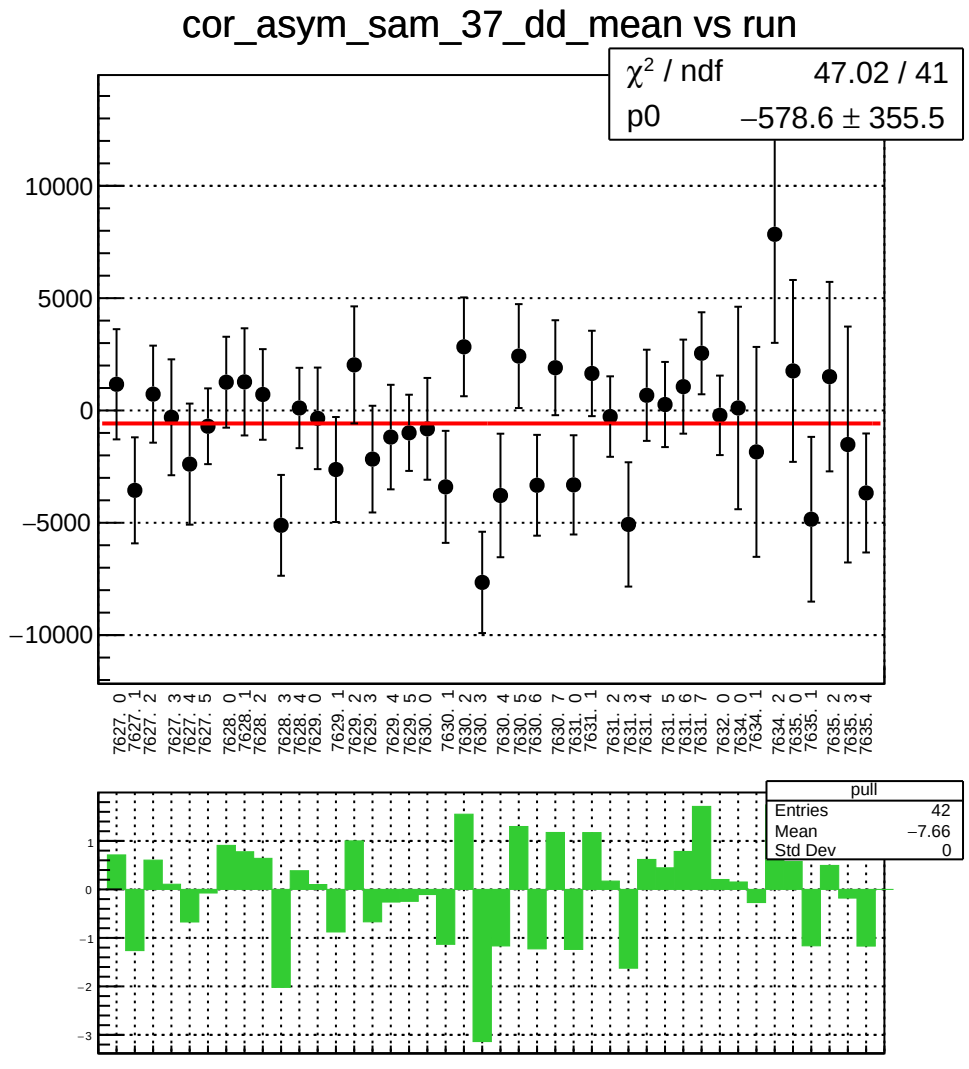

pull1D
Entries 42
Mean −0.02767
Std Dev 1.058
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

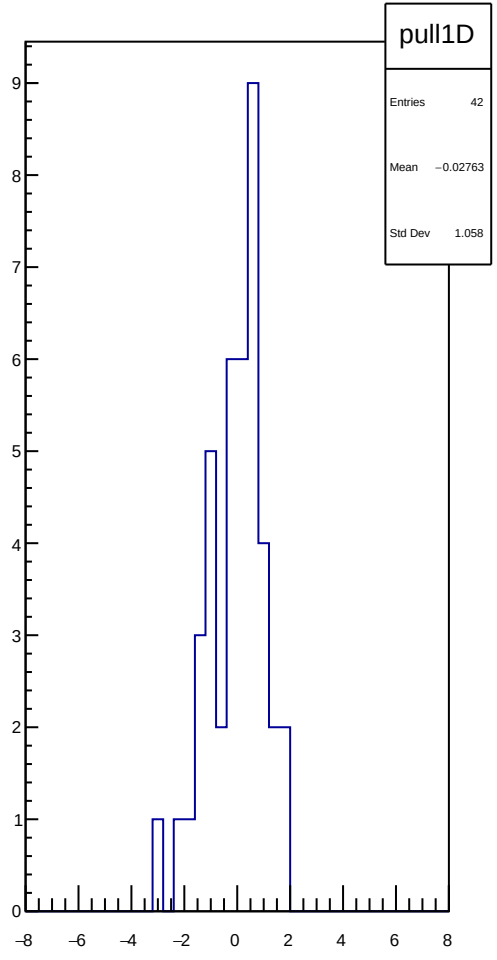

reg_asym_sam_37_dd_rms vs run
χ² / ndf 3.903e+04 / 41
p0 223.2 ± 0.2514
500
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

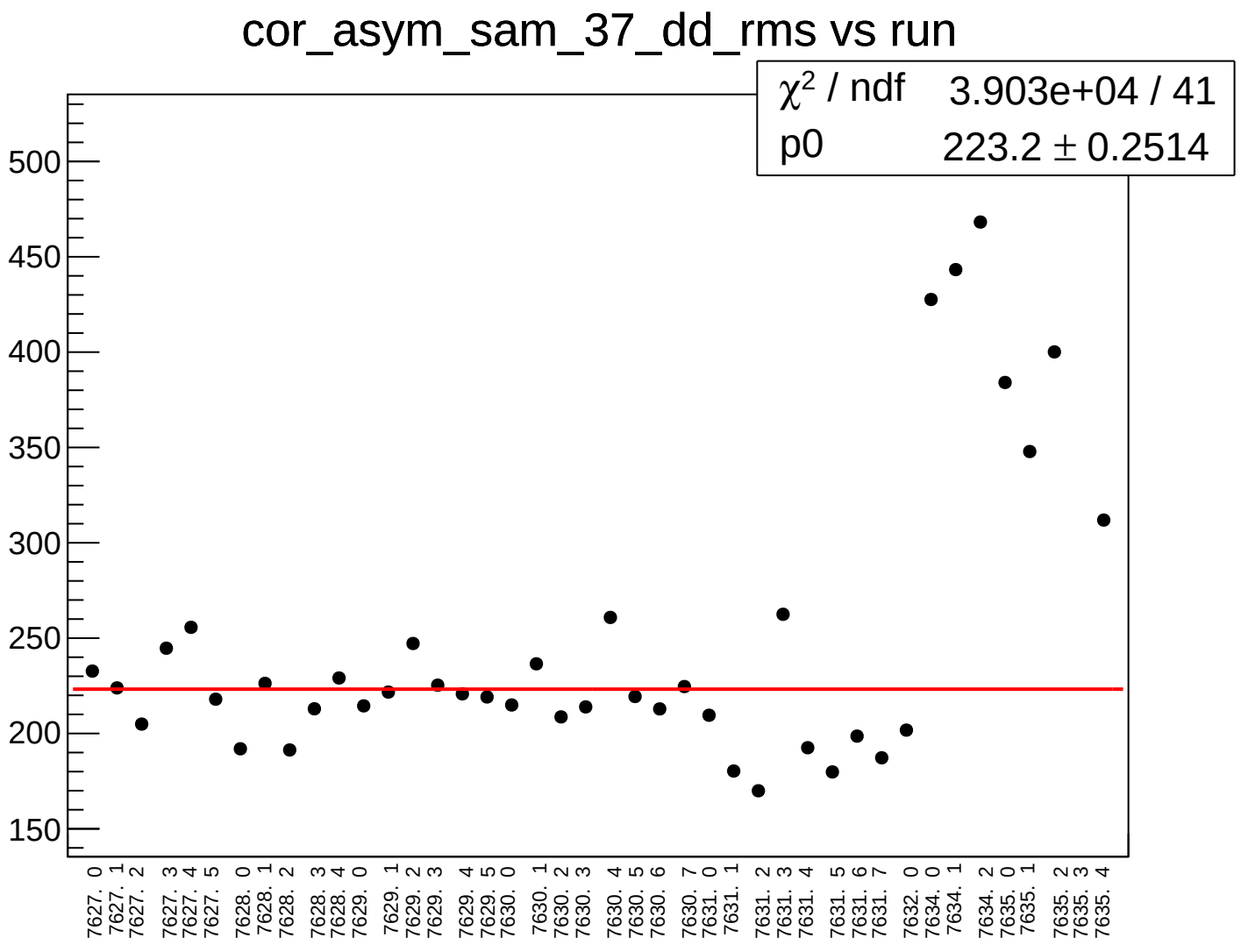

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 36.32 / 41
p0 3549 ± 2476
pull
Entries 42
Mean −2350
Std Dev 0

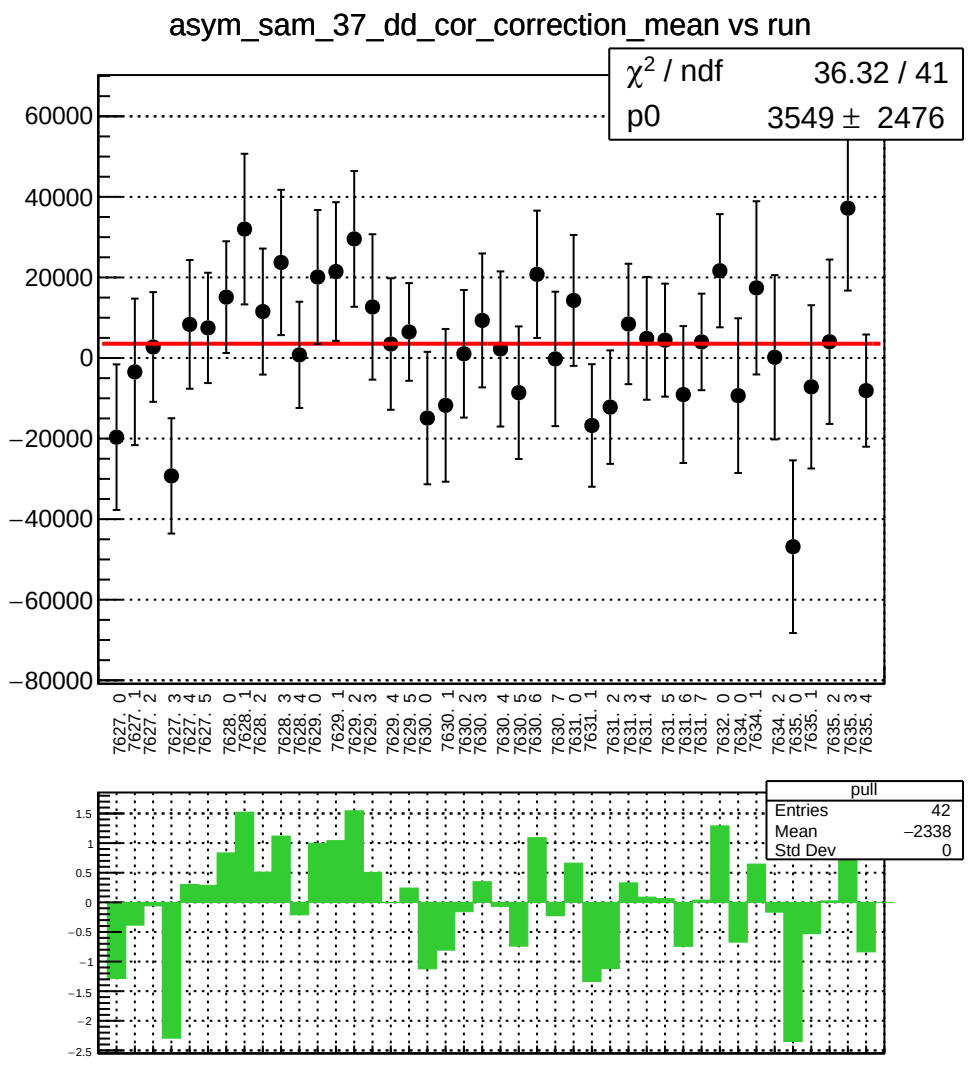

pull1D
Entries 42
Mean 0.0004568
Std Dev 0.9299

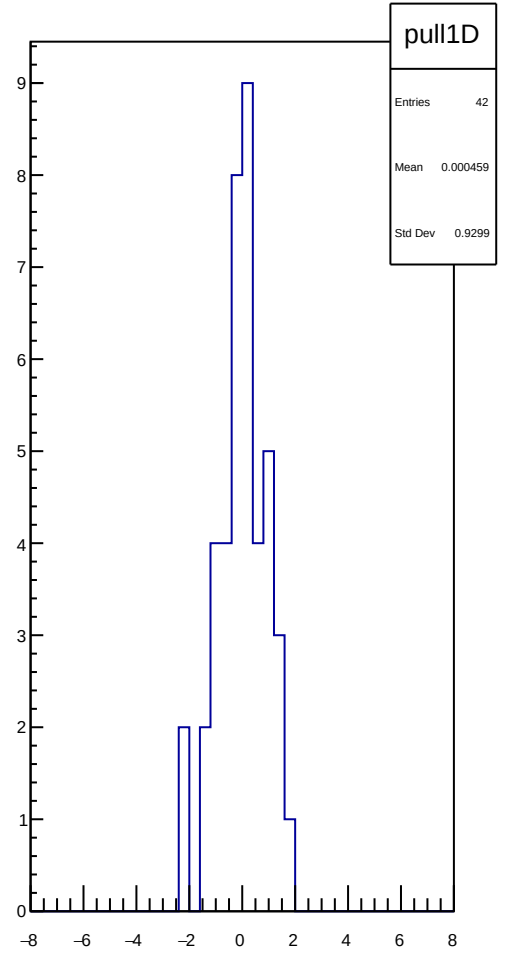

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 1.264e+04 / 41
p0 1581 ± 1.751
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

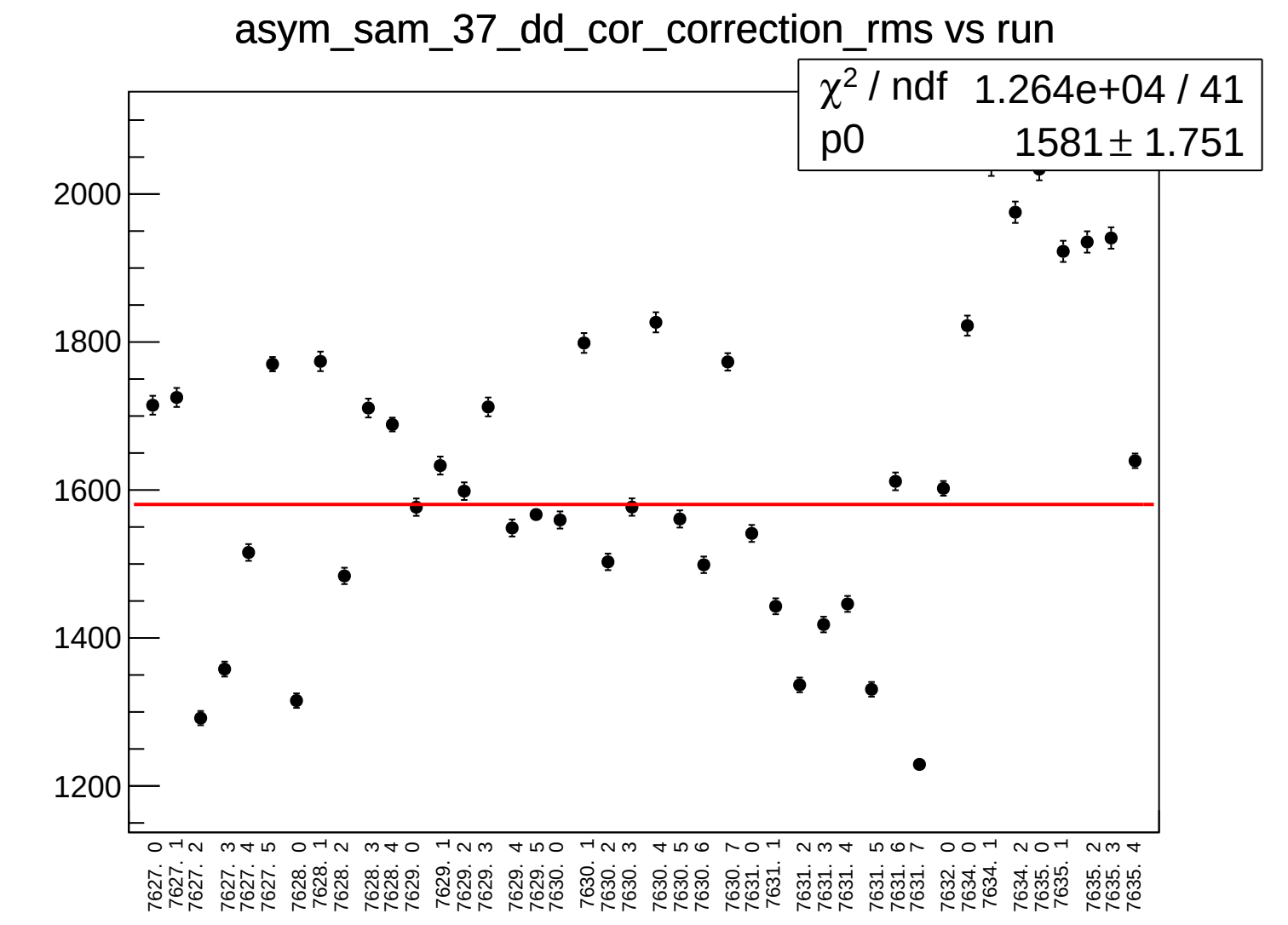

cor_asym_sam_37_dd_mean vs run
χ² / ndf 47.02 / 41
p0 −578.6 ± 355.5
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.66
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.02763
Std Dev 1.058
9
8
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 3.903e+04 / 41
p0 223.2 ± 0.2514
500
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 36.32 / 41
p0 3549 ± 2476
pull
Entries 42
Mean −2338
Std Dev 0


pull1D
Entries 42
Mean 0.000459
Std Dev 0.9299


asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 1.264e+04 / 41
p0 1581 ± 1.751
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
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7631. 0
7631. 1
7631. 2
7631. 3
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7631. 5
7631. 6
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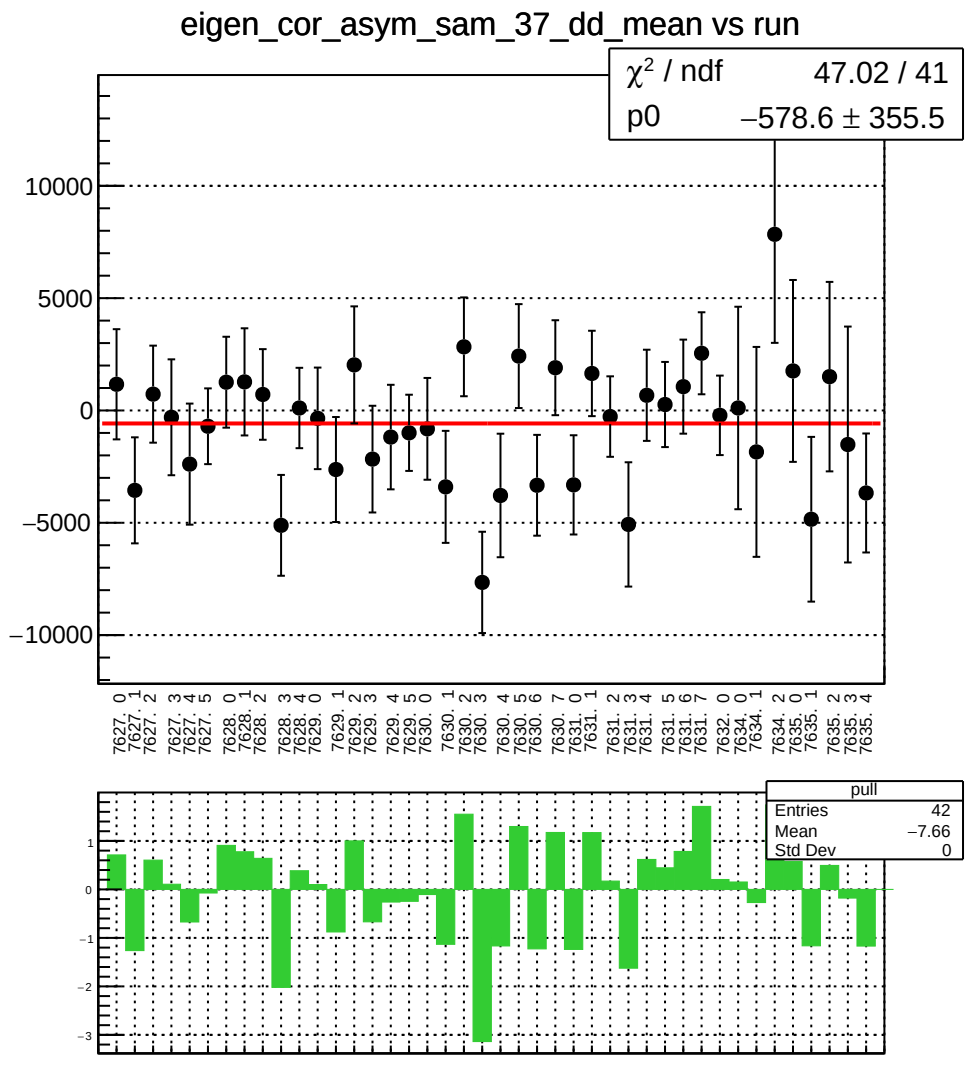
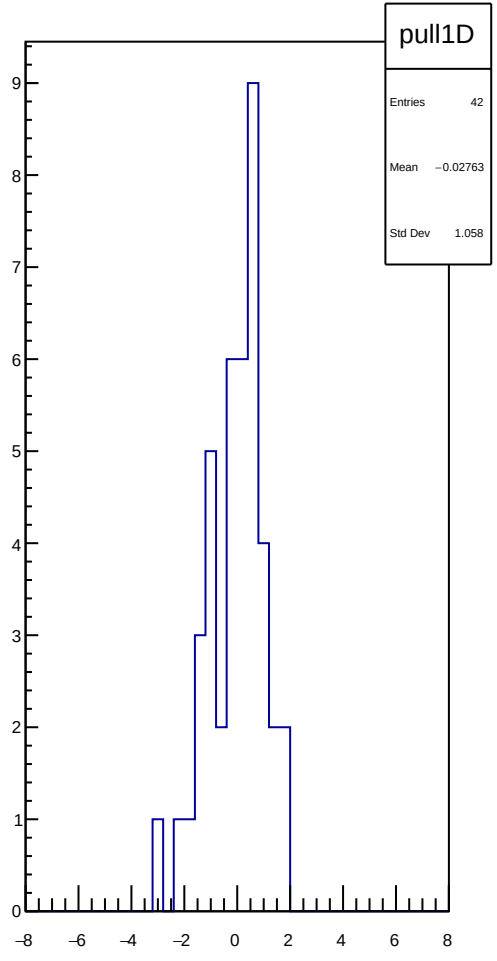
7635. 3
7635. 4


eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 47.02 / 41
p0 −578.6 ± 355.5
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.66
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.02763
Std Dev 1.058
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
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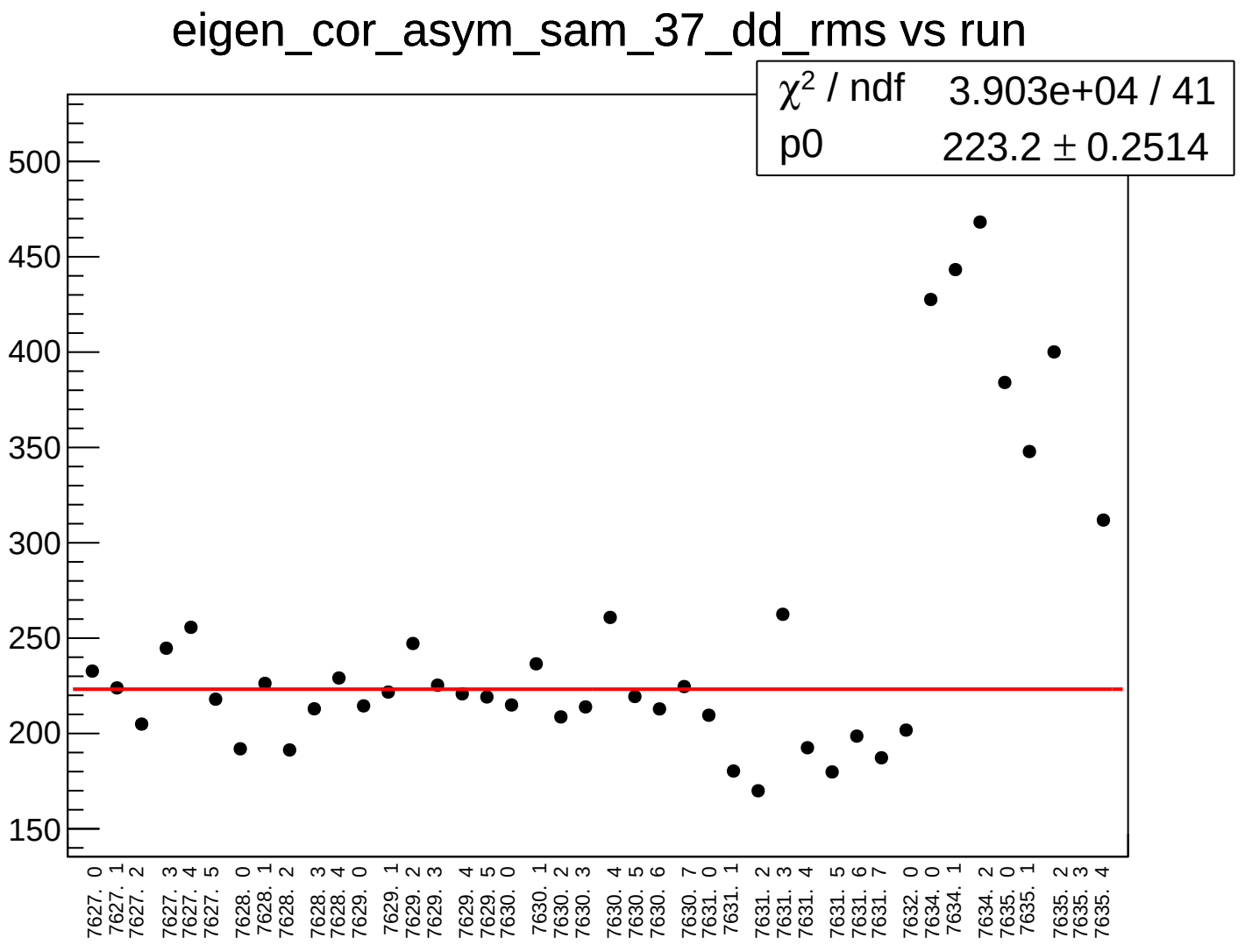
2
4
6
8


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 3.903e+04 / 41
p0 223.2 ± 0.2514
500
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
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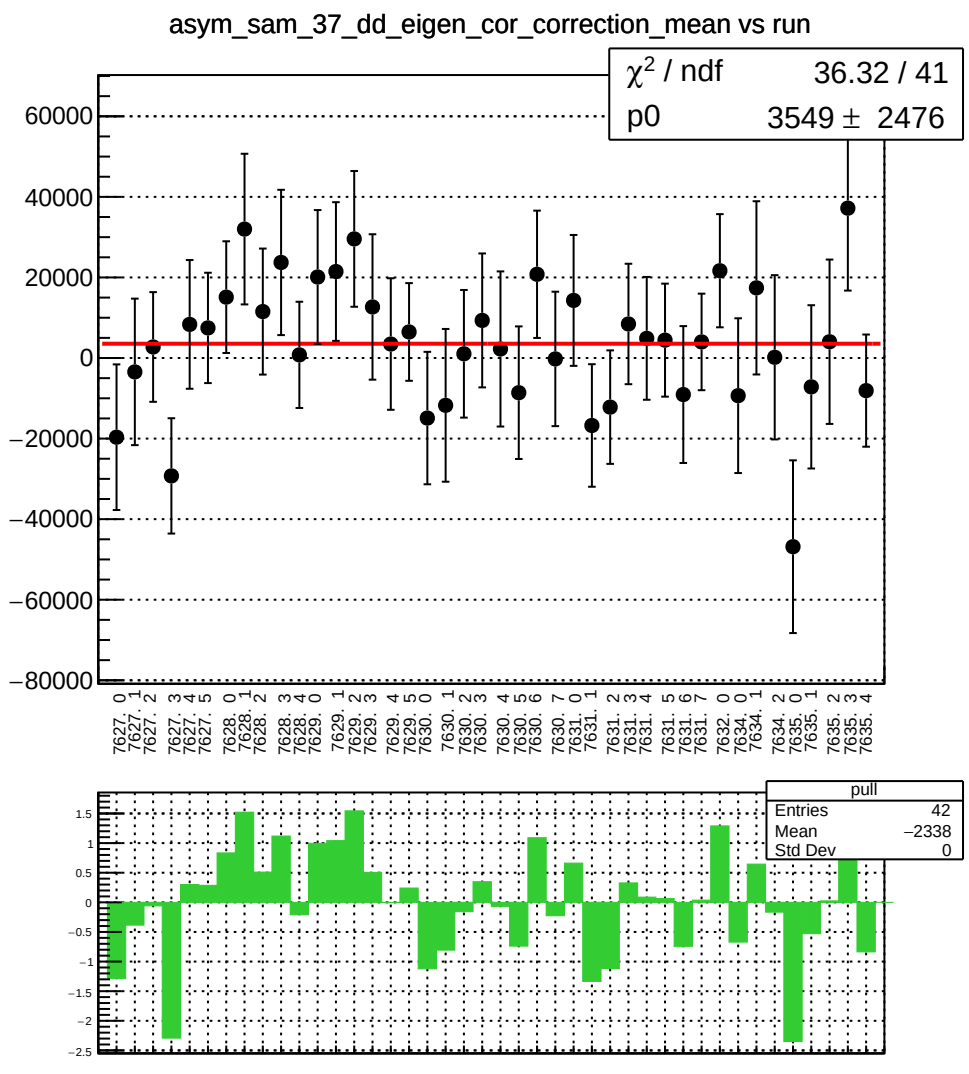
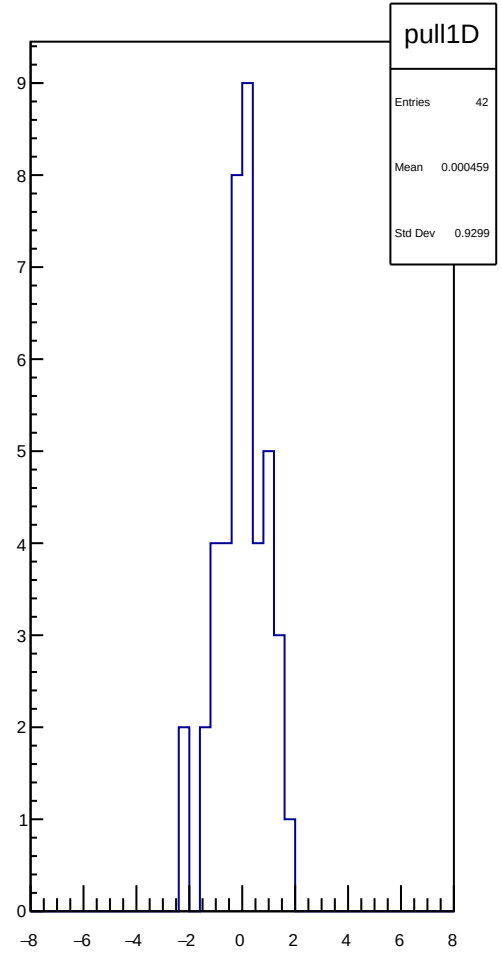
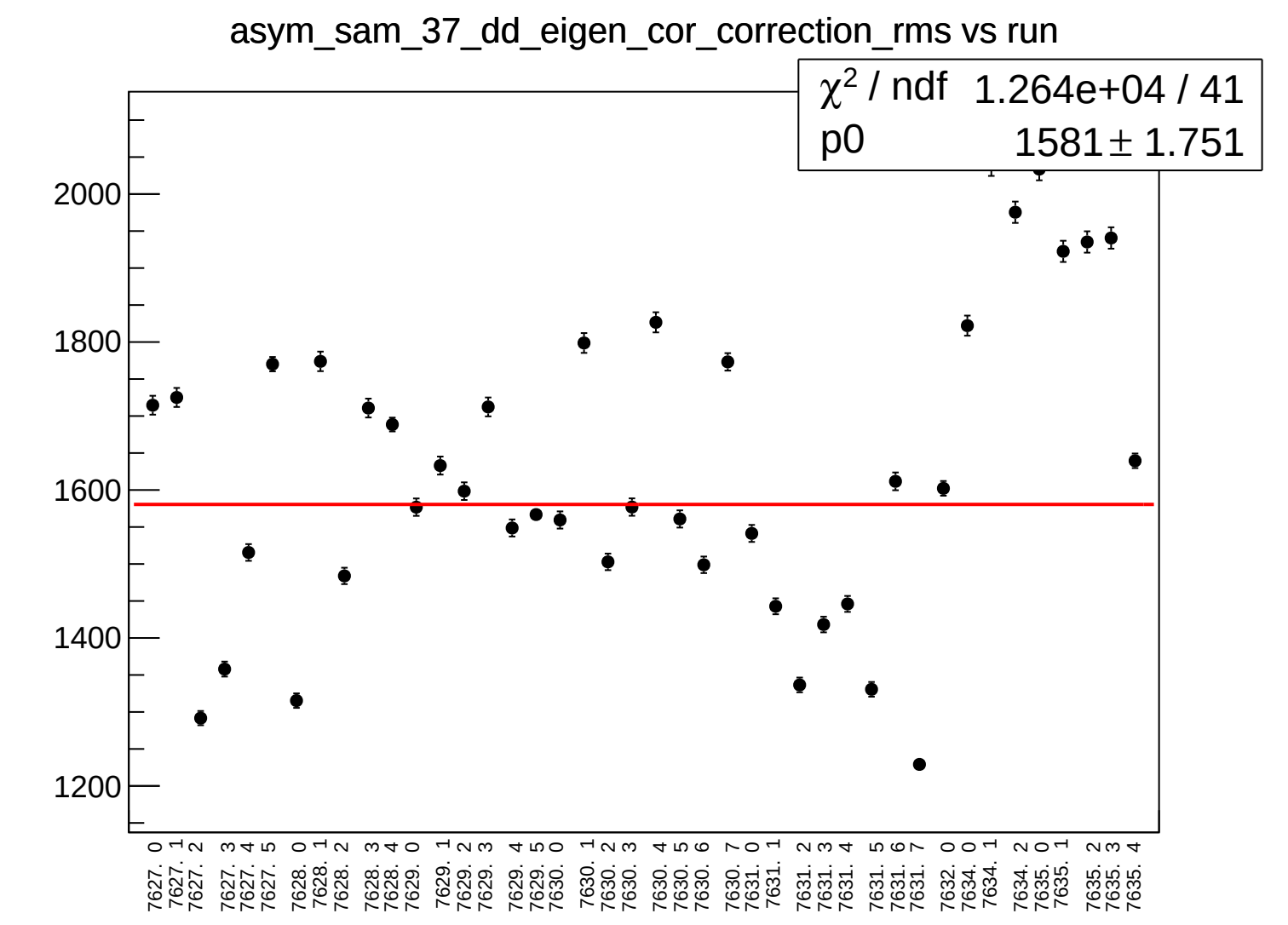
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 36.32 / 41
p0 3549 ± 2476
pull
Entries 42
Mean −2338
Std Dev 0


pull1D
Entries 42
Mean 0.000459
Std Dev 0.9299


asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.264e+04 / 41
p0 1581 ± 1.751
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
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7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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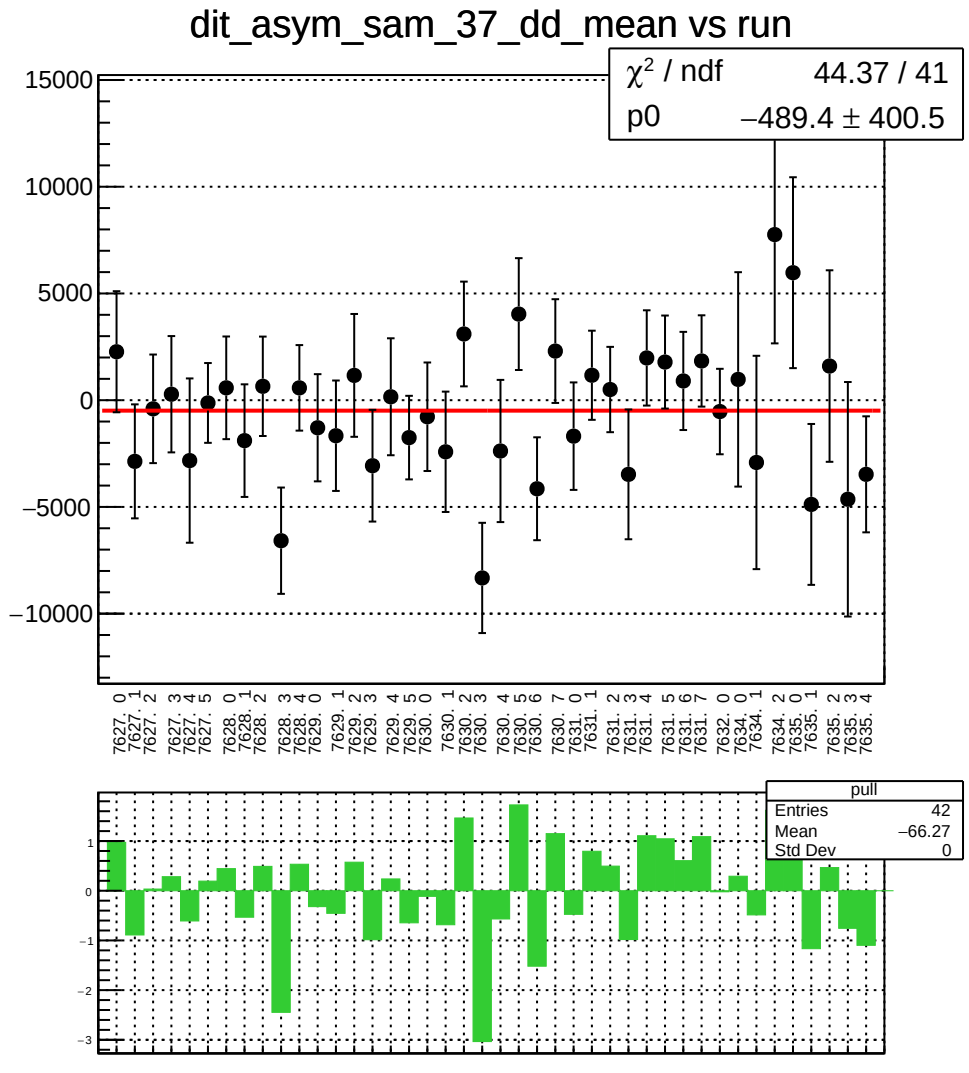
7635. 3
7635. 4


dit_asym_sam_37_dd_mean vs run
χ² / ndf 44.37 / 41
p0 −489.4 ± 400.5
15000
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 0
7630. 1
7630. 2
7630. 3
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7630. 5
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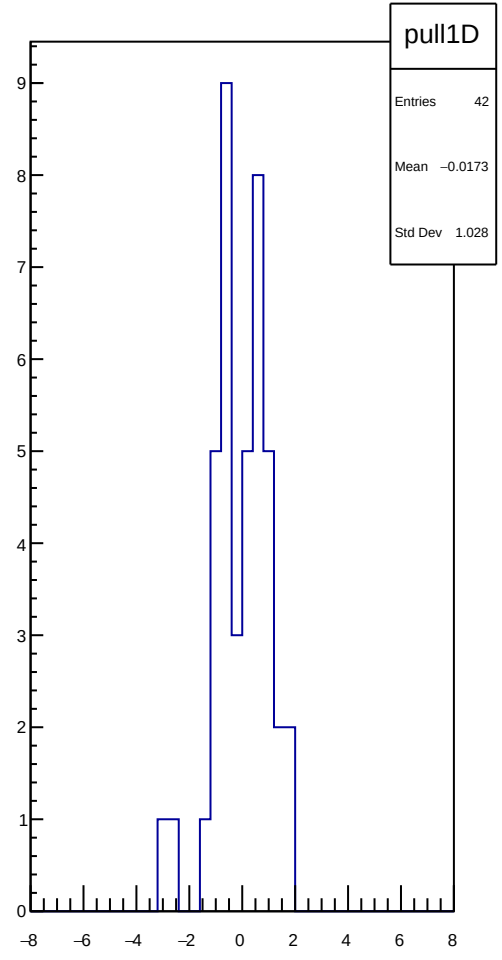
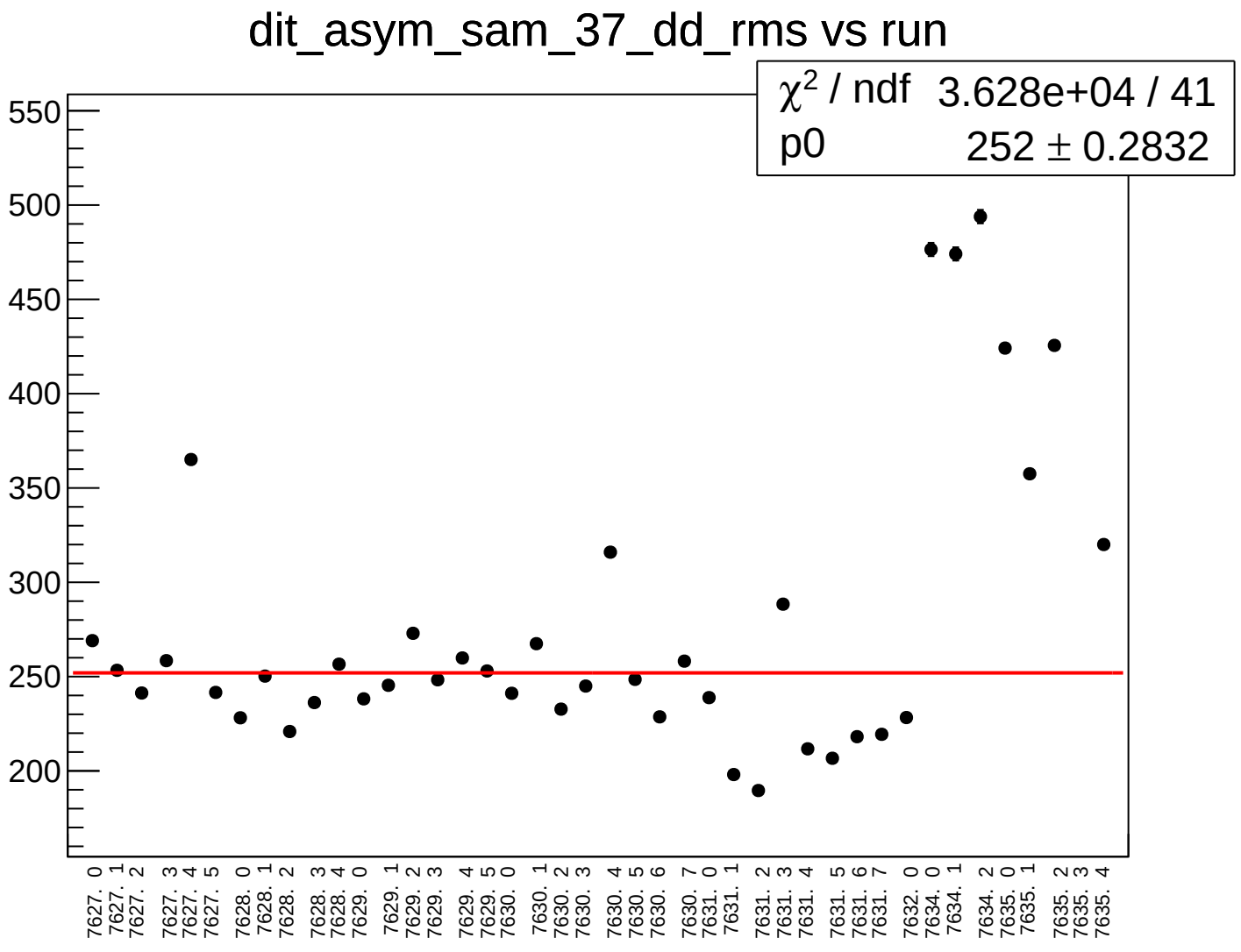
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −66.27
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.0173
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_dd_rms vs run
χ² / ndf 3.628e+04 / 41
p0 252 ± 0.2832
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
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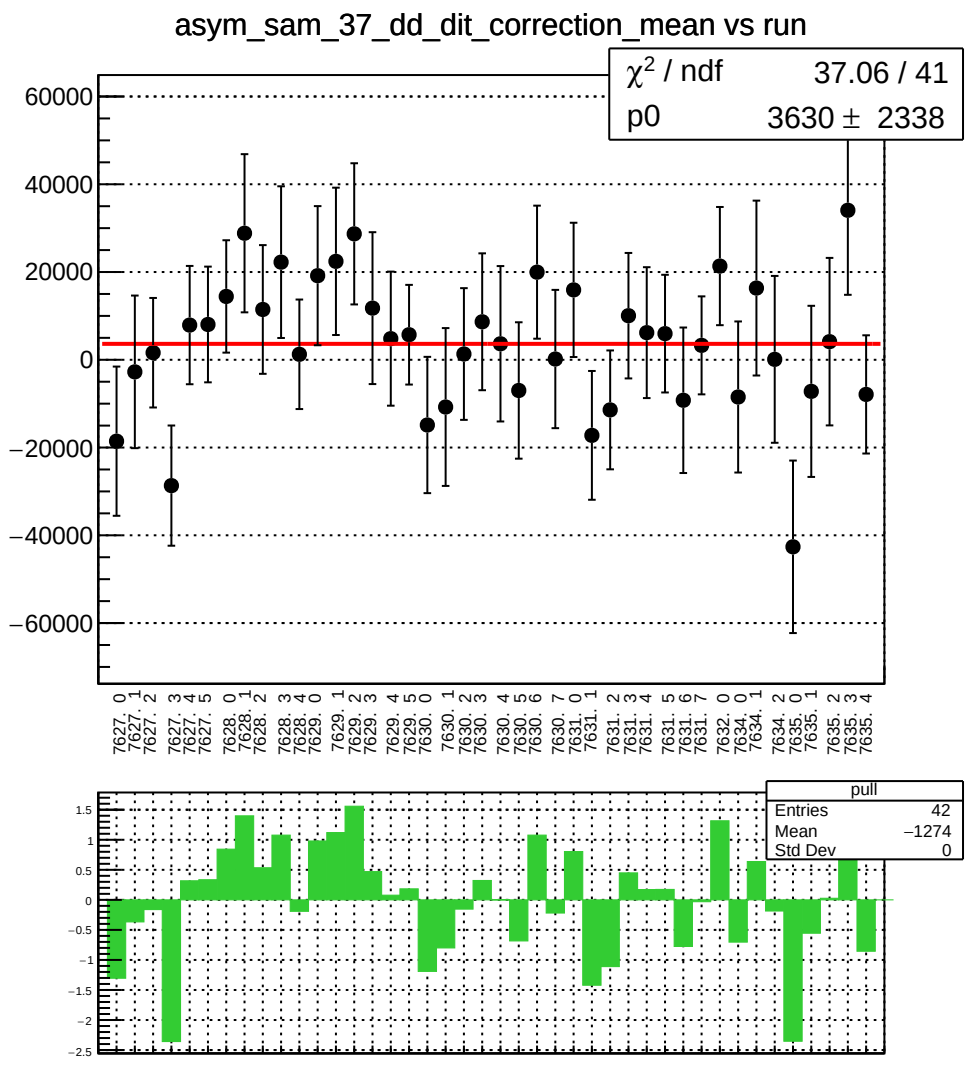
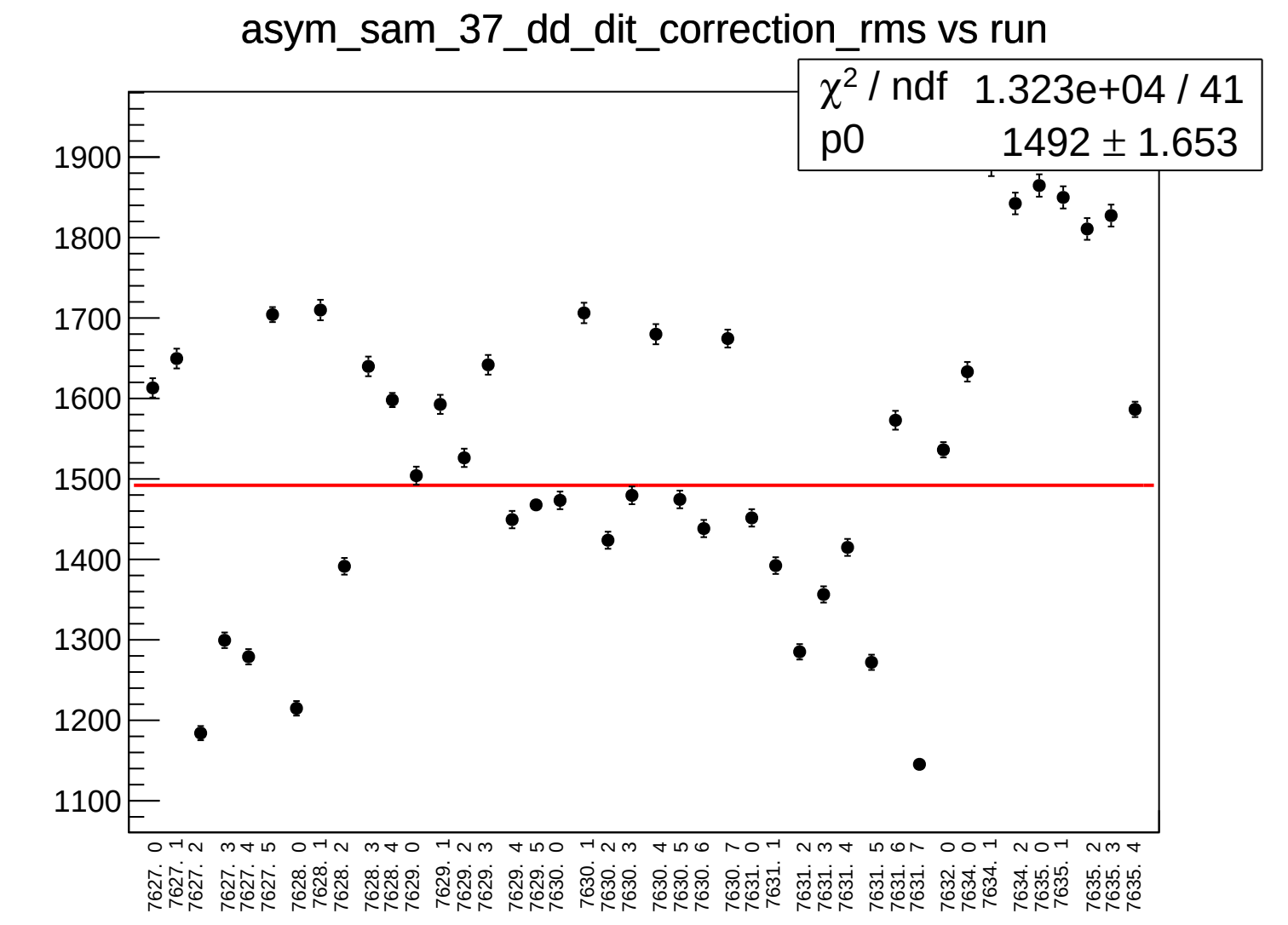
7635. 3
7635. 4


asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 37.06 / 41
p0 3630 ± 2338
pull
Entries 42
Mean −1274
Std Dev 0
pull1D
Entries 42
Mean 0.0007911
Std Dev 0.9394


asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 1.323e+04 / 41
p0 1492 ± 1.653
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
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7628. 2
7628. 3
7628. 4
7629. 0
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7631. 2
7631. 3
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7631. 6
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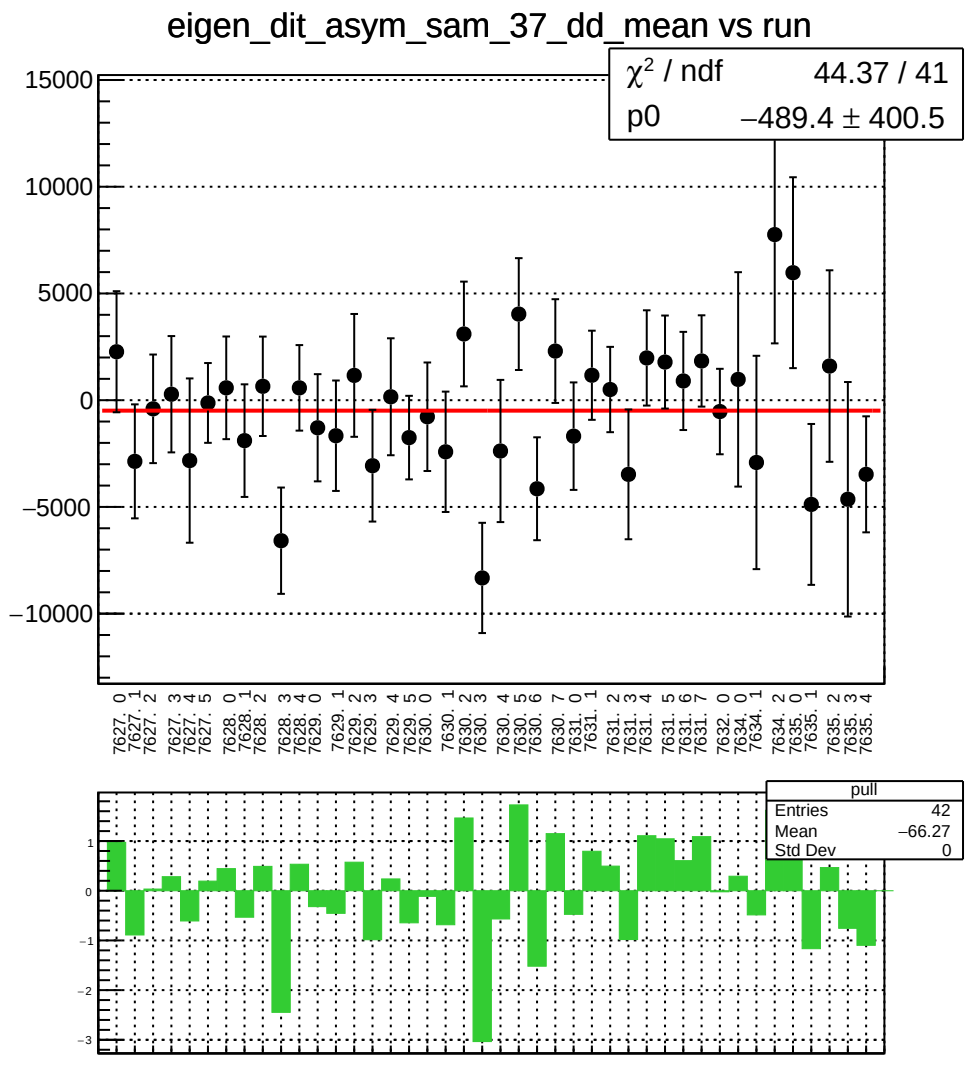
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 44.37 / 41
p0 −489.4 ± 400.5
15000
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 0
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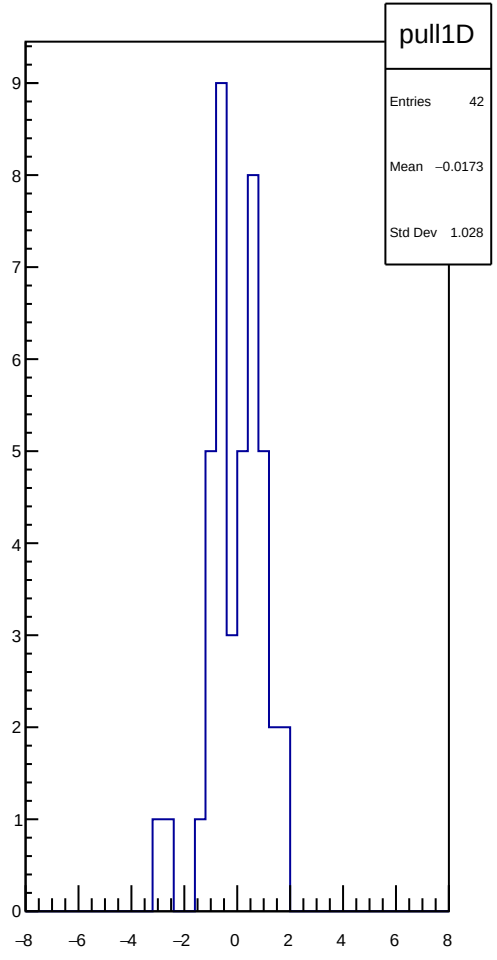
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −66.27
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.0173
Std Dev 1.028
9
8
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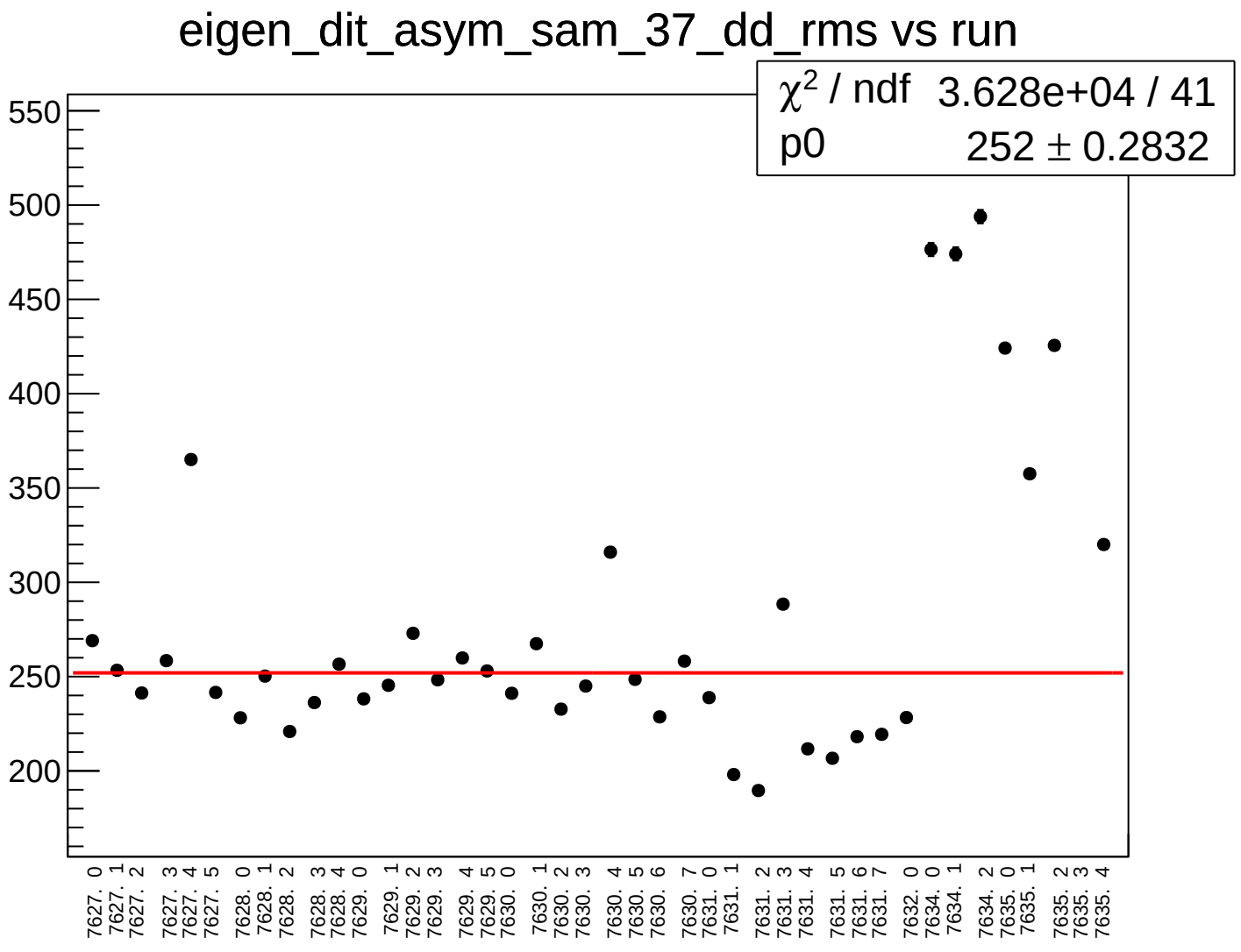
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 3.628e+04 / 41
p0 252 ± 0.2832
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
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7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
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7630. 2
7630. 3
7630. 4
7630. 5
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7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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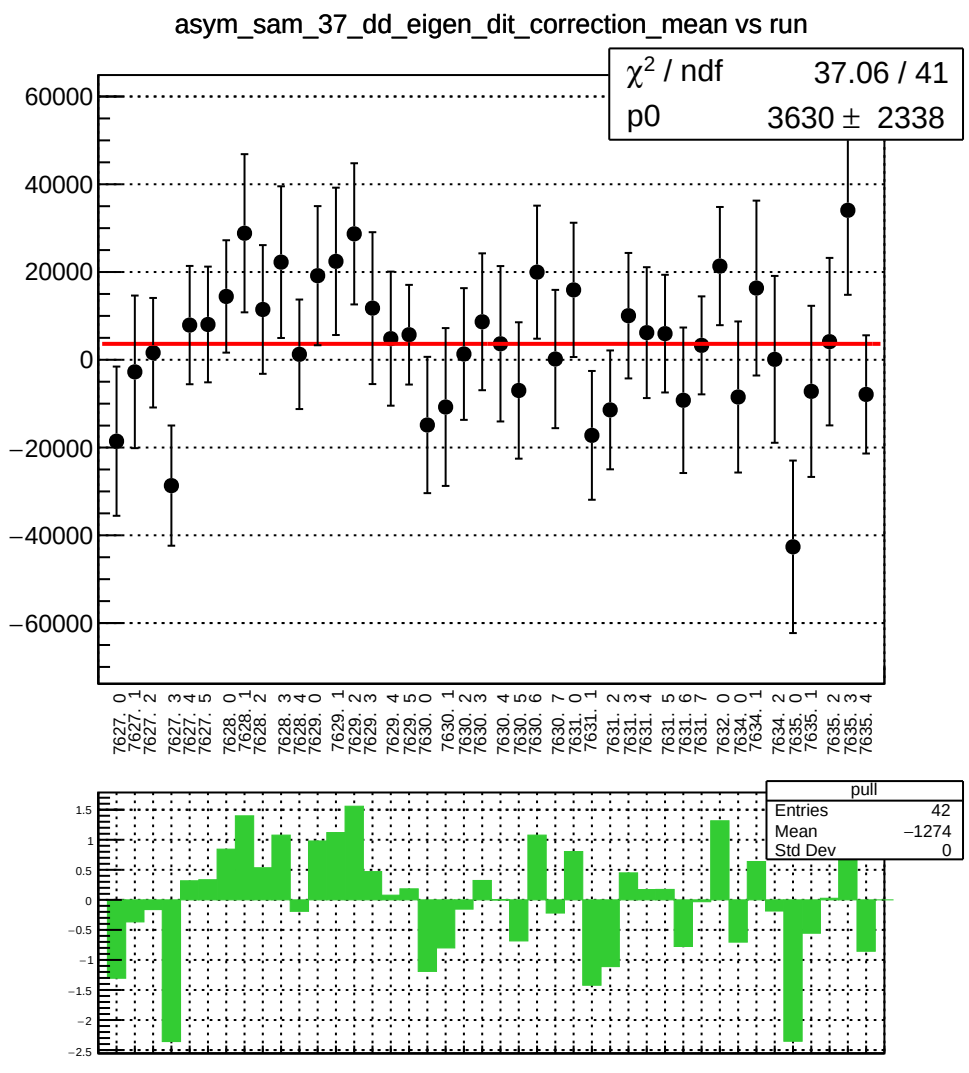
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 37.06 / 41
p0 3630 ± 2338
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
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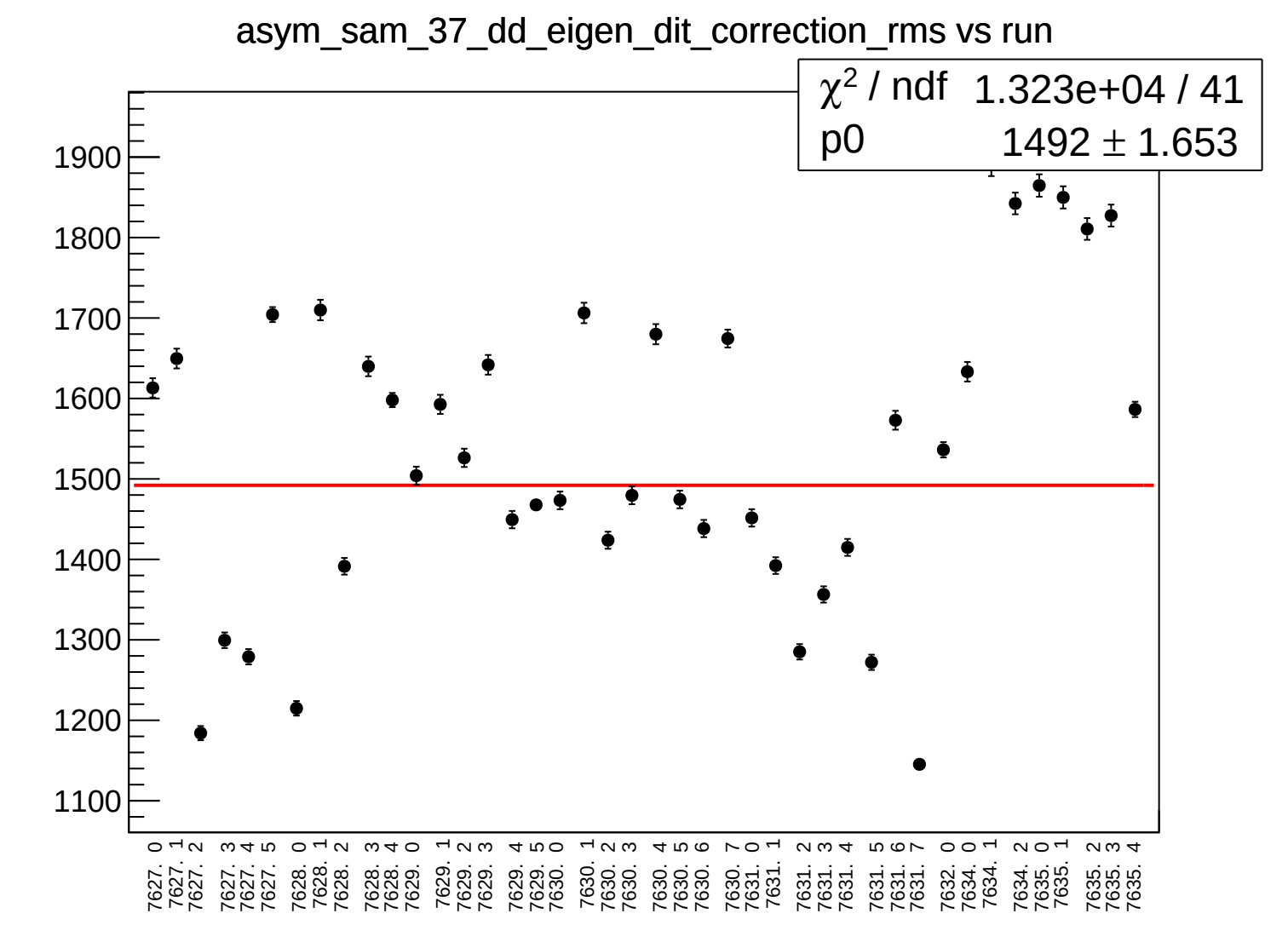
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1274
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.0007911
Std Dev 0.9394
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.323e+04 / 41
p0 1492 ± 1.653
1900
1800
1700
1600
1500
1400
1300
1200
1100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
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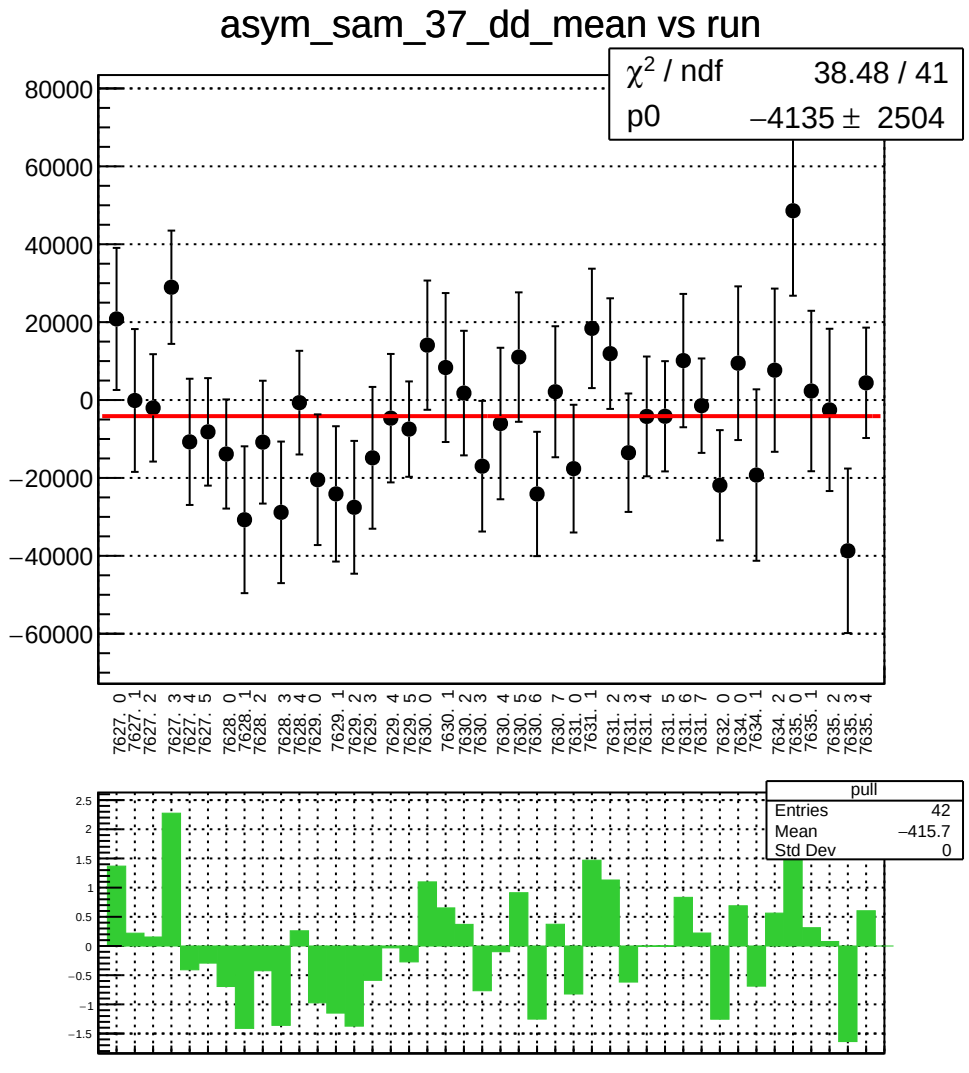
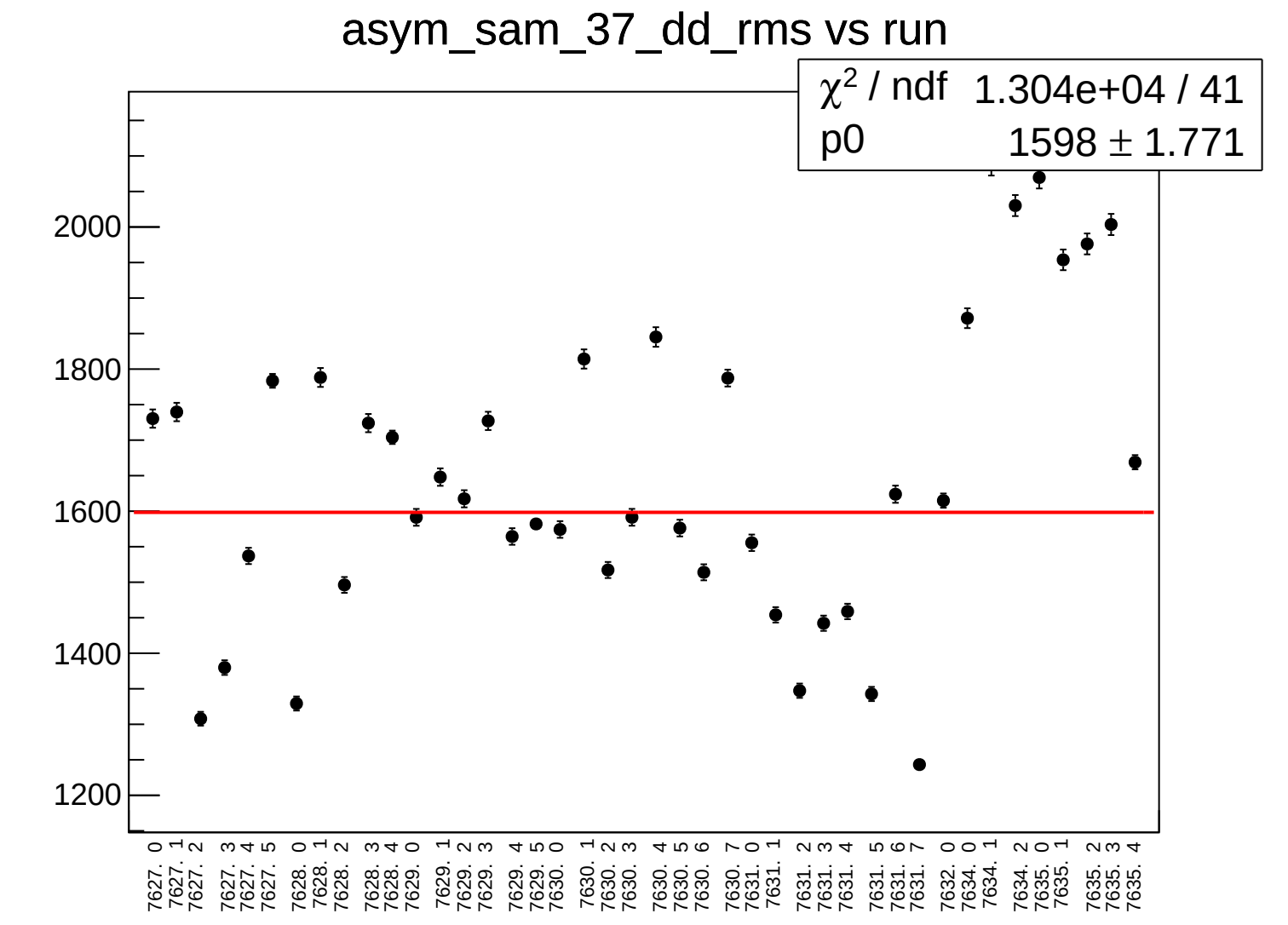
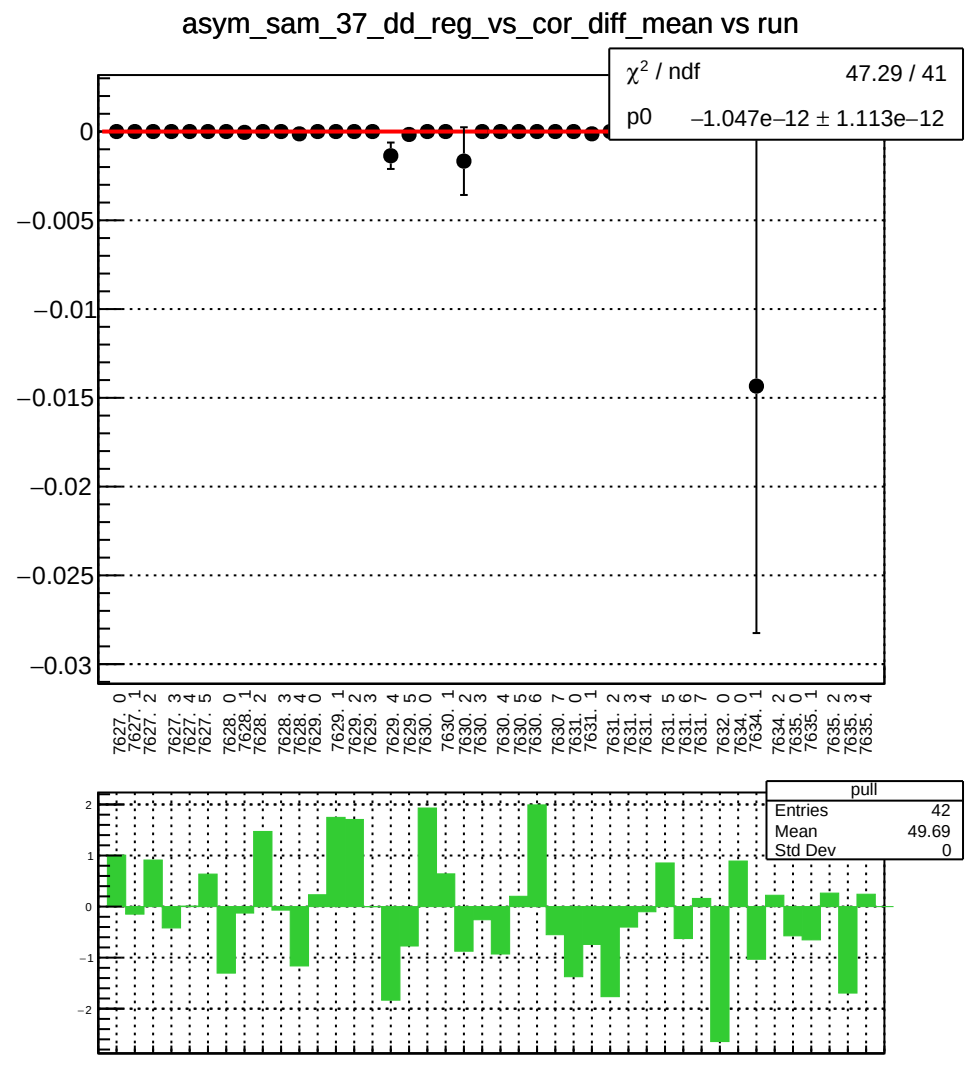
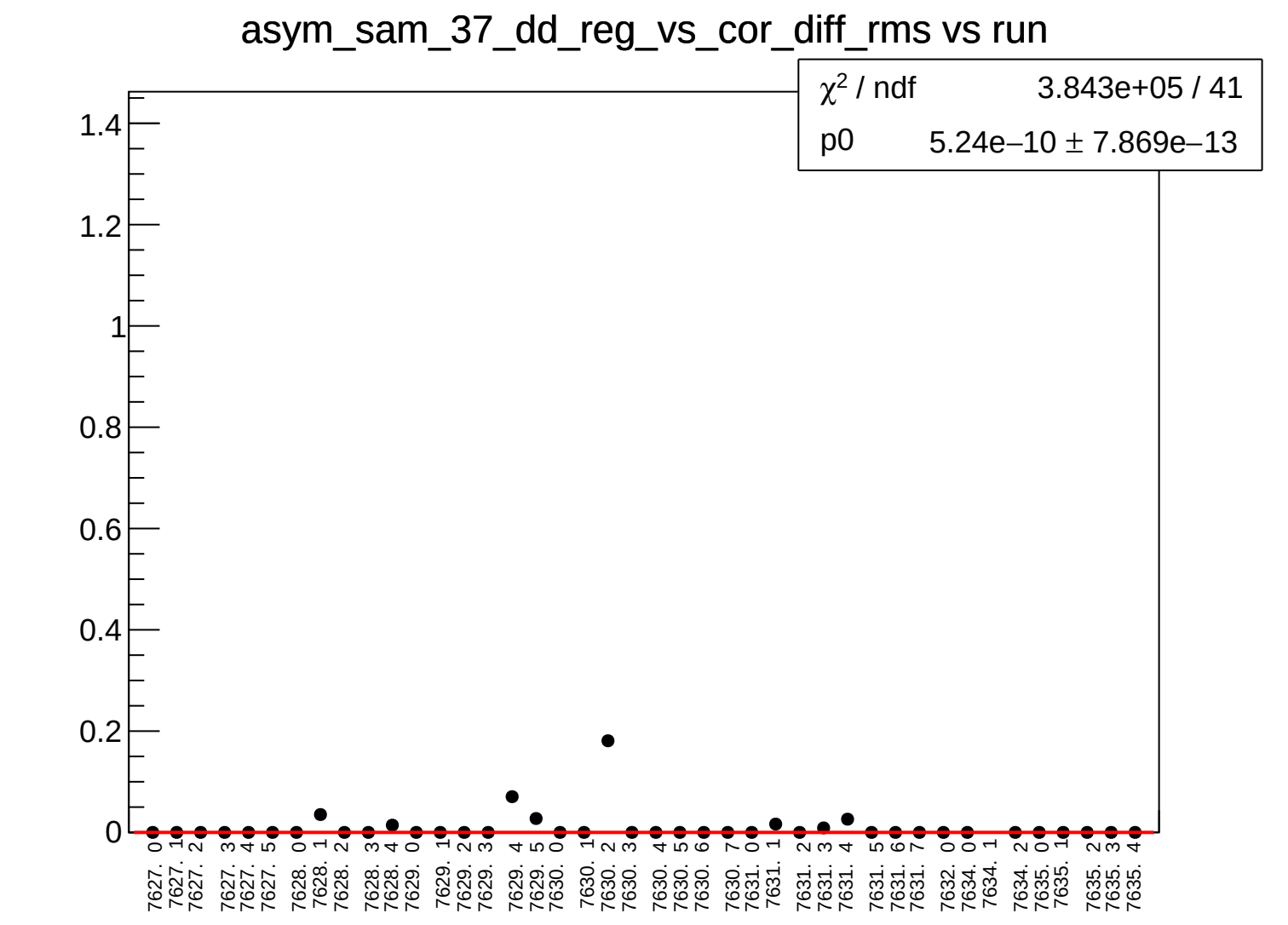
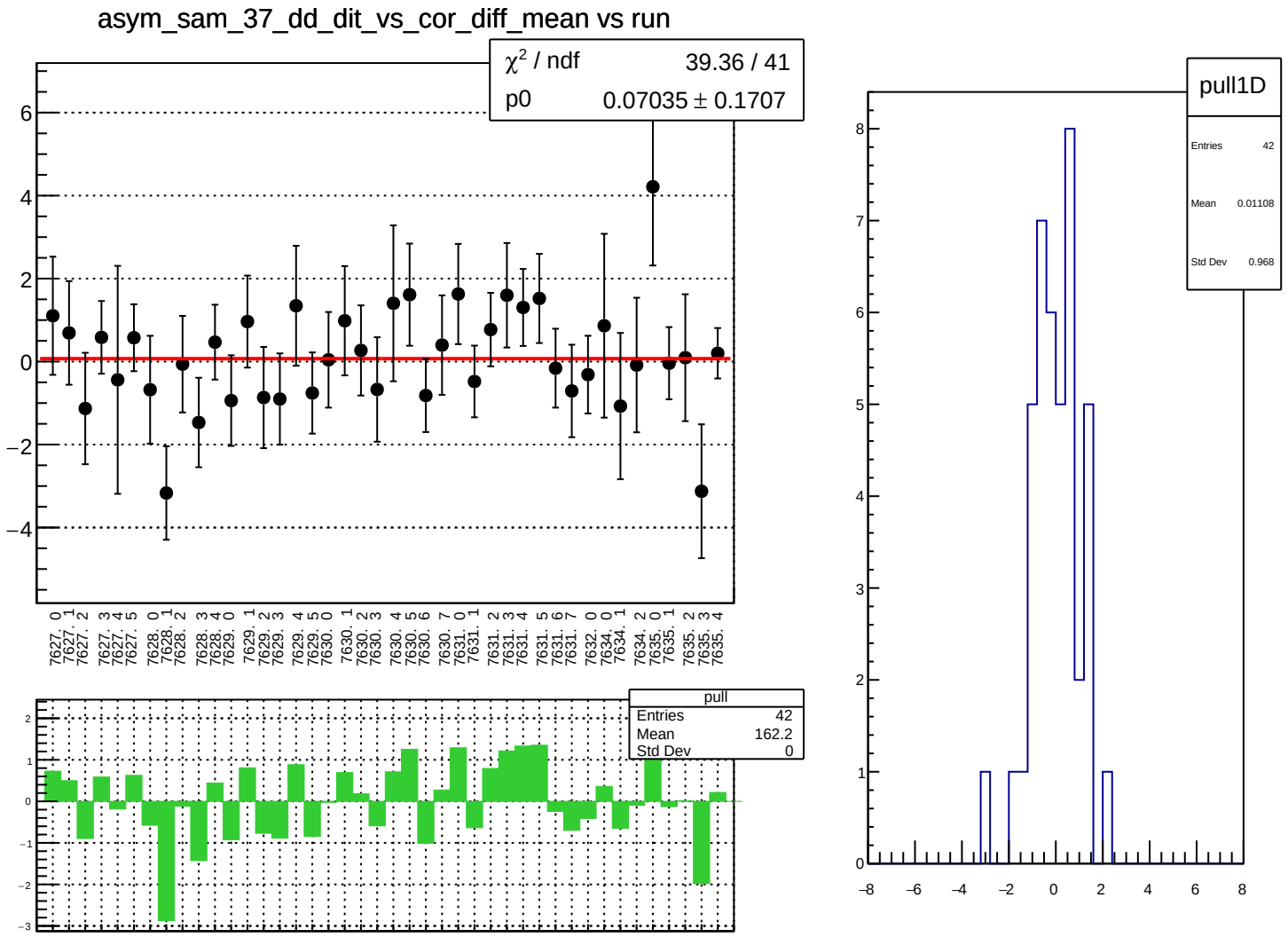
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

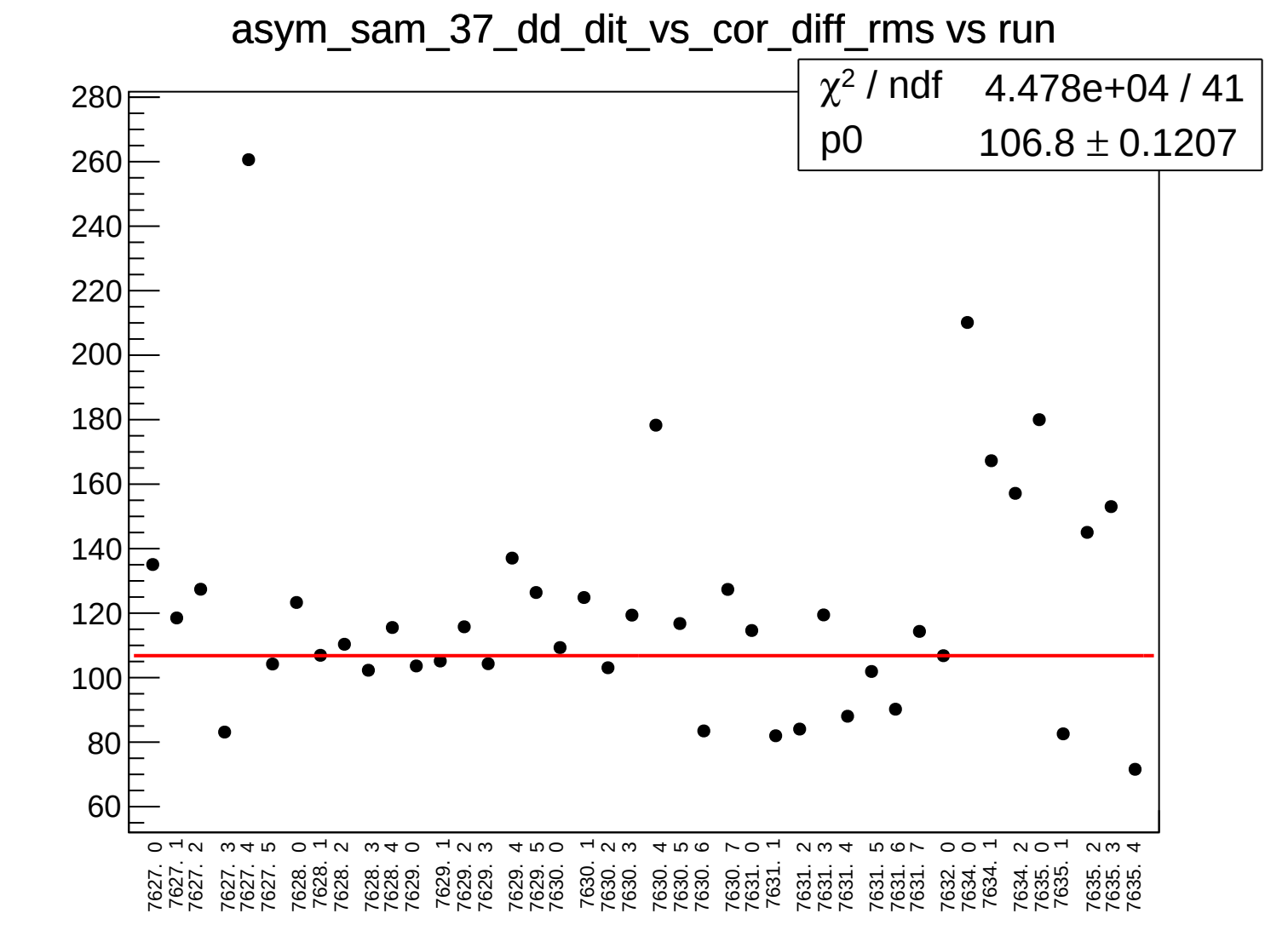

asym_sam_37_dd_mean vs run
χ² / ndf 38.48 / 41
p0 −4135 ± 2504
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −415.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.002721
Std Dev 0.9572
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

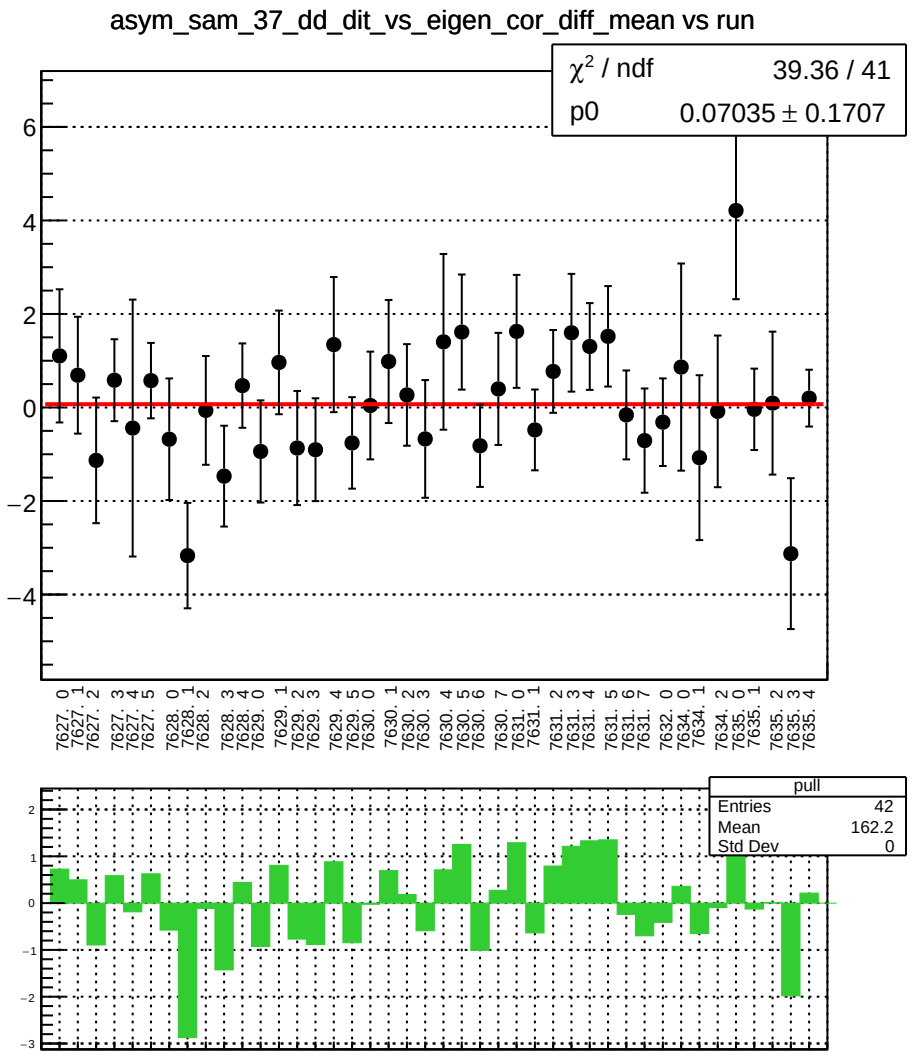

asym_sam_37_dd_rms vs run
χ² / ndf 1.304e+04 / 41
p0 1598 ± 1.771
2000
1800
1600
1400
1200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

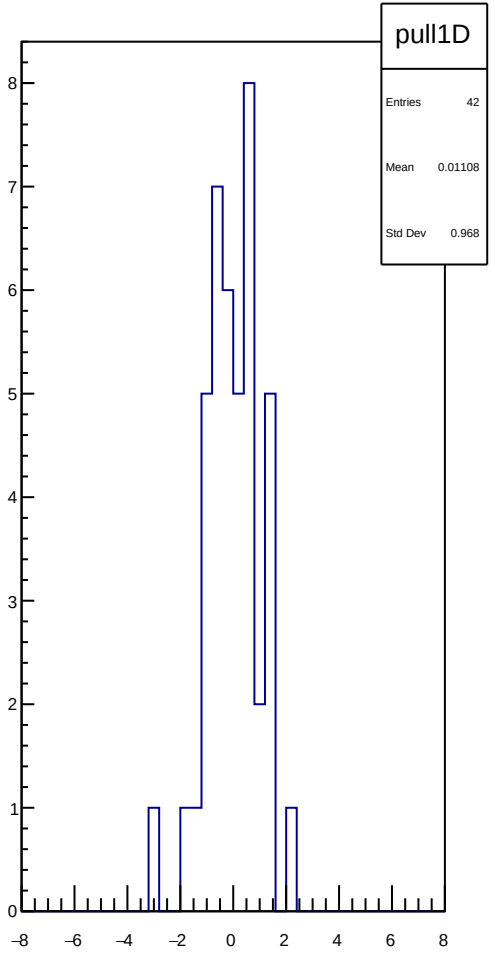

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.29 / 41
p0 −1.047e−12 ± 1.113e−12
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 49.69
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.1172
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

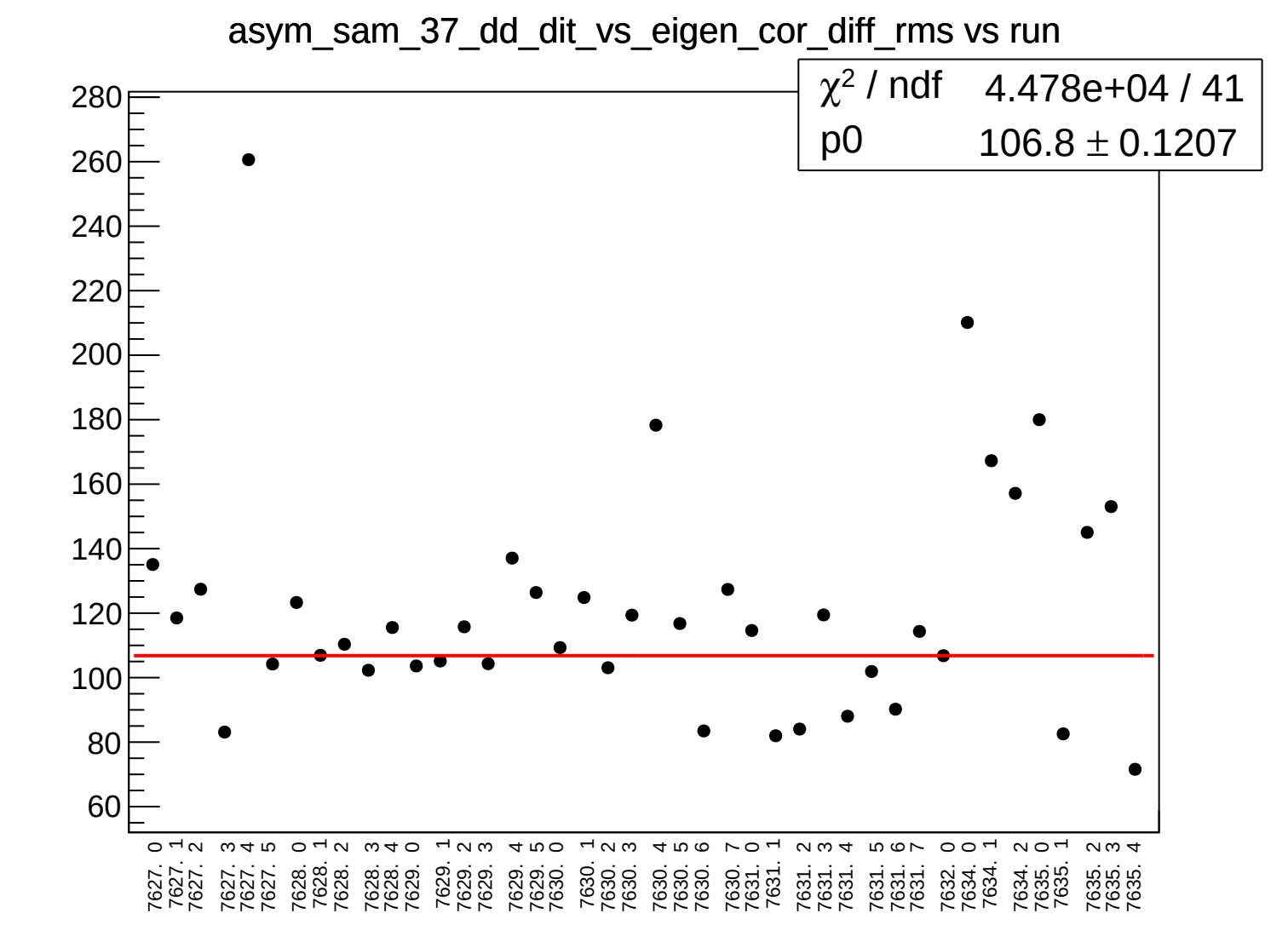

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.843e+05 / 41
p0 5.24e−10 ± 7.869e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

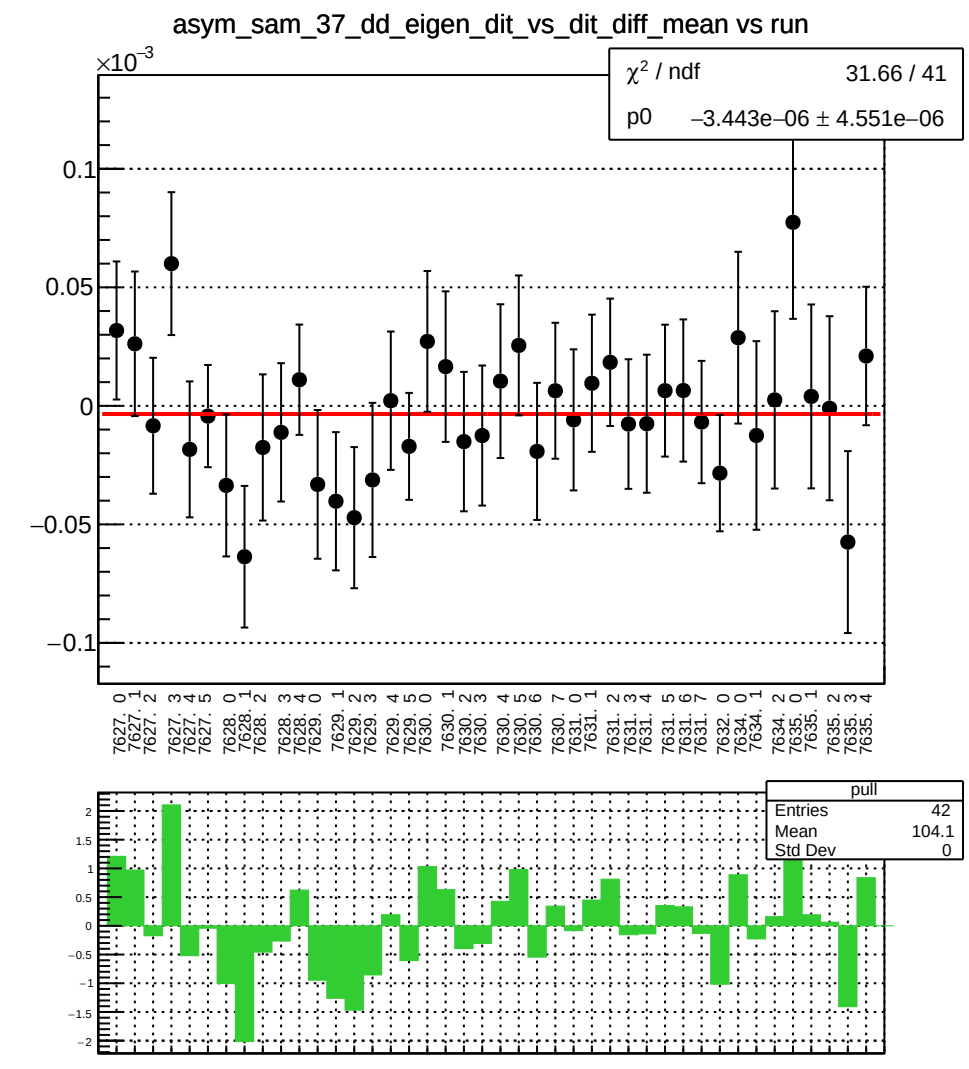

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.36 / 41
p0 0.07035 ± 0.1707
pull
Entries 42
Mean 162.2
Std Dev 0
pull1D
Entries 42
Mean 0.01108
Std Dev 0.968

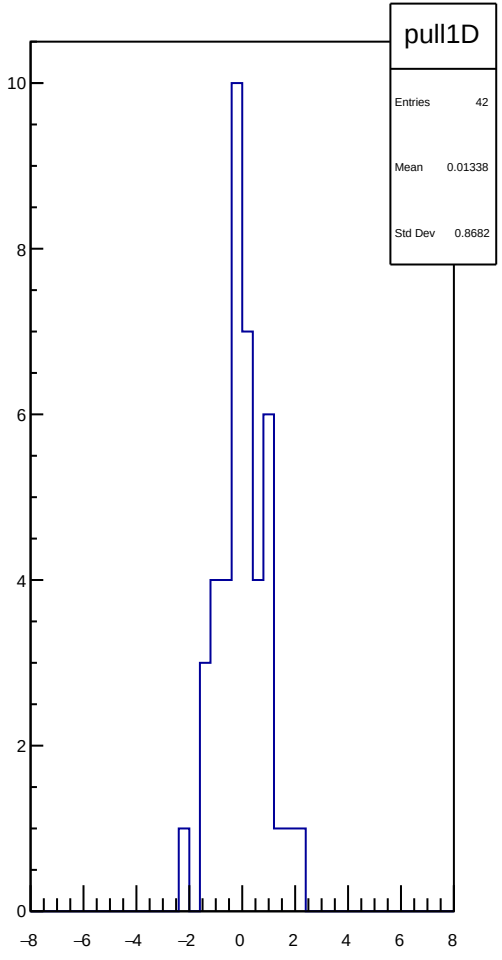

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.478e+04 / 41
p0 106.8 ± 0.1207
280
260
240
220
200
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

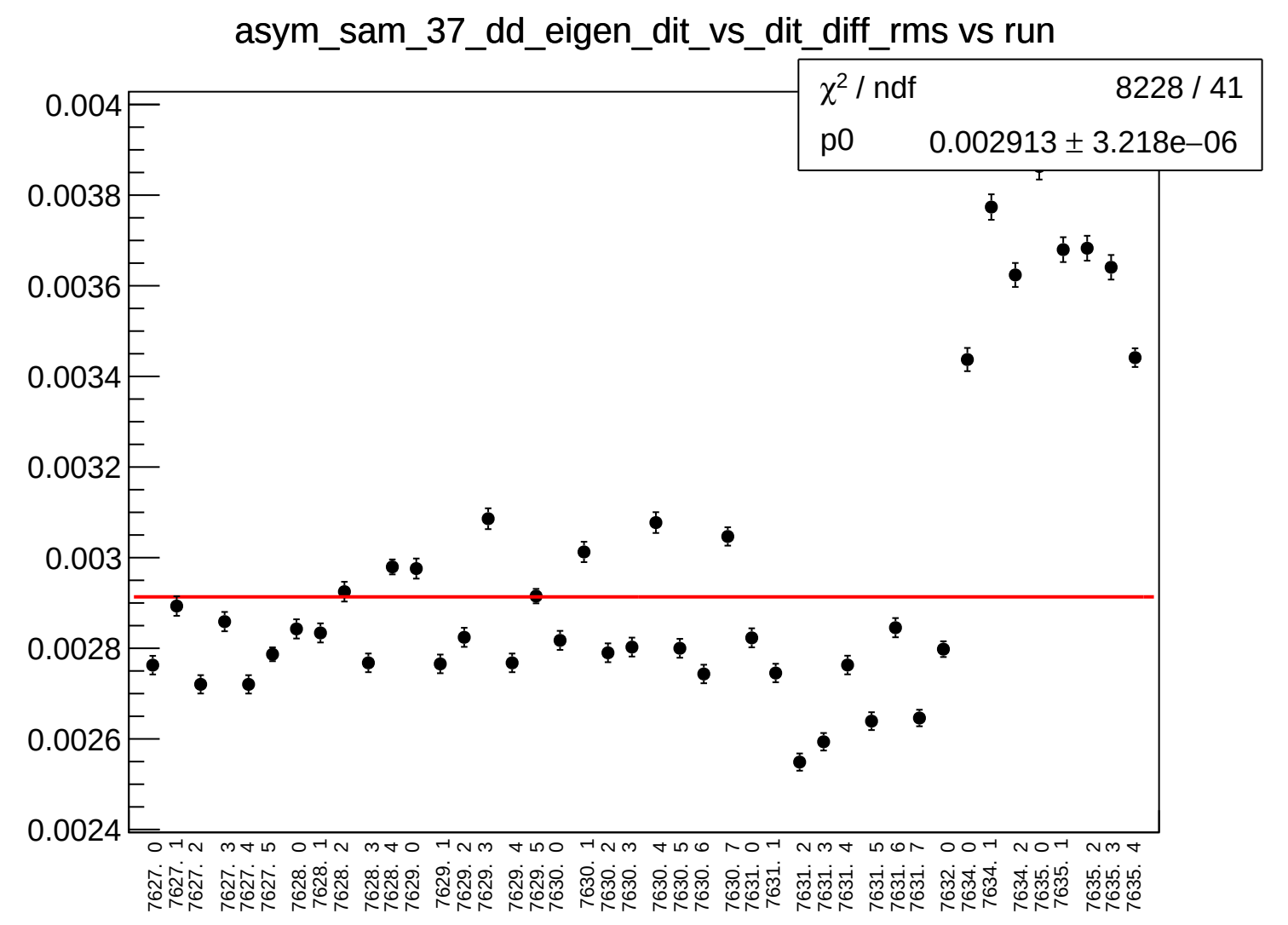

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.36 / 41
p0 0.07035 ± 0.1707
pull
Entries 42
Mean 162.2
Std Dev 0

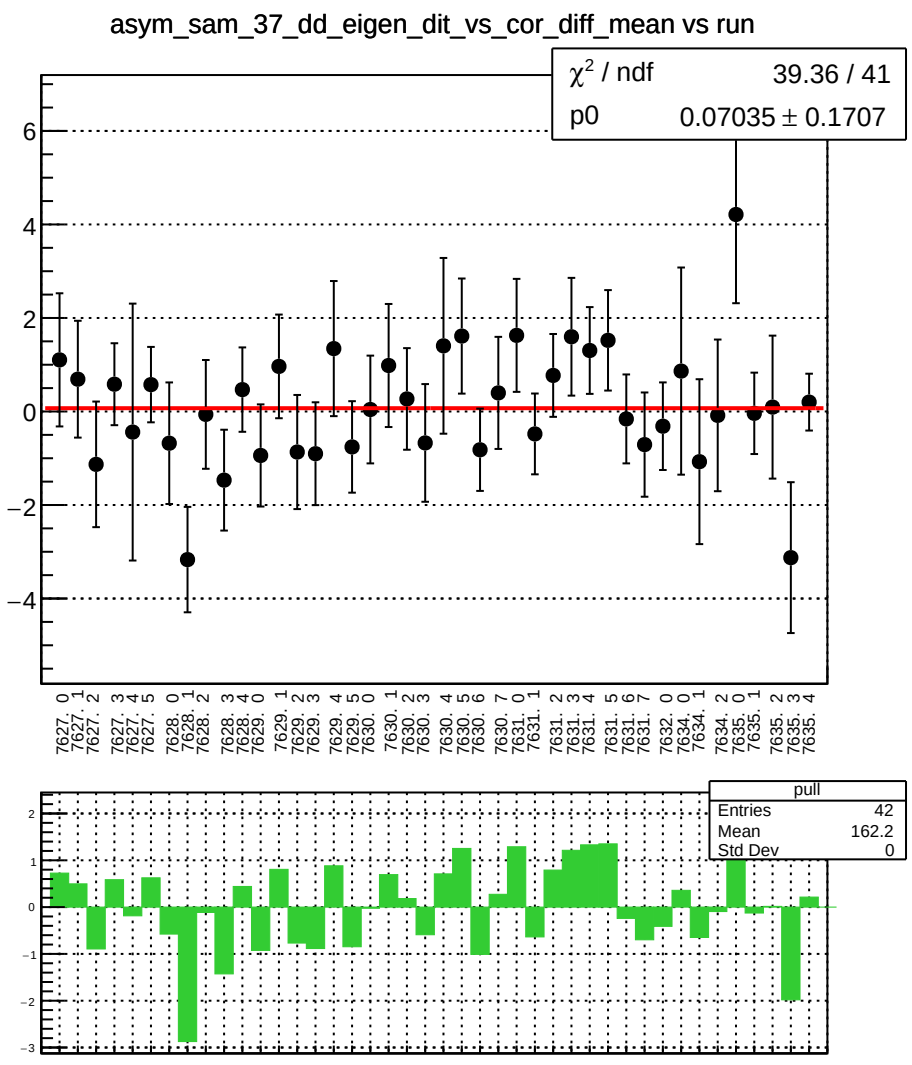

pull1D
Entries 42
Mean 0.01108
Std Dev 0.968

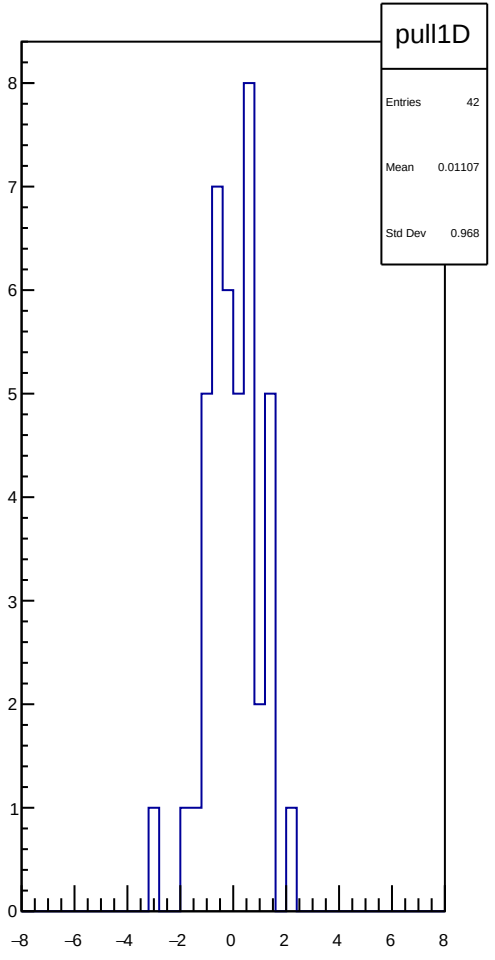

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.478e+04 / 41
p0 106.8 ± 0.1207
280
260
240
220
200
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

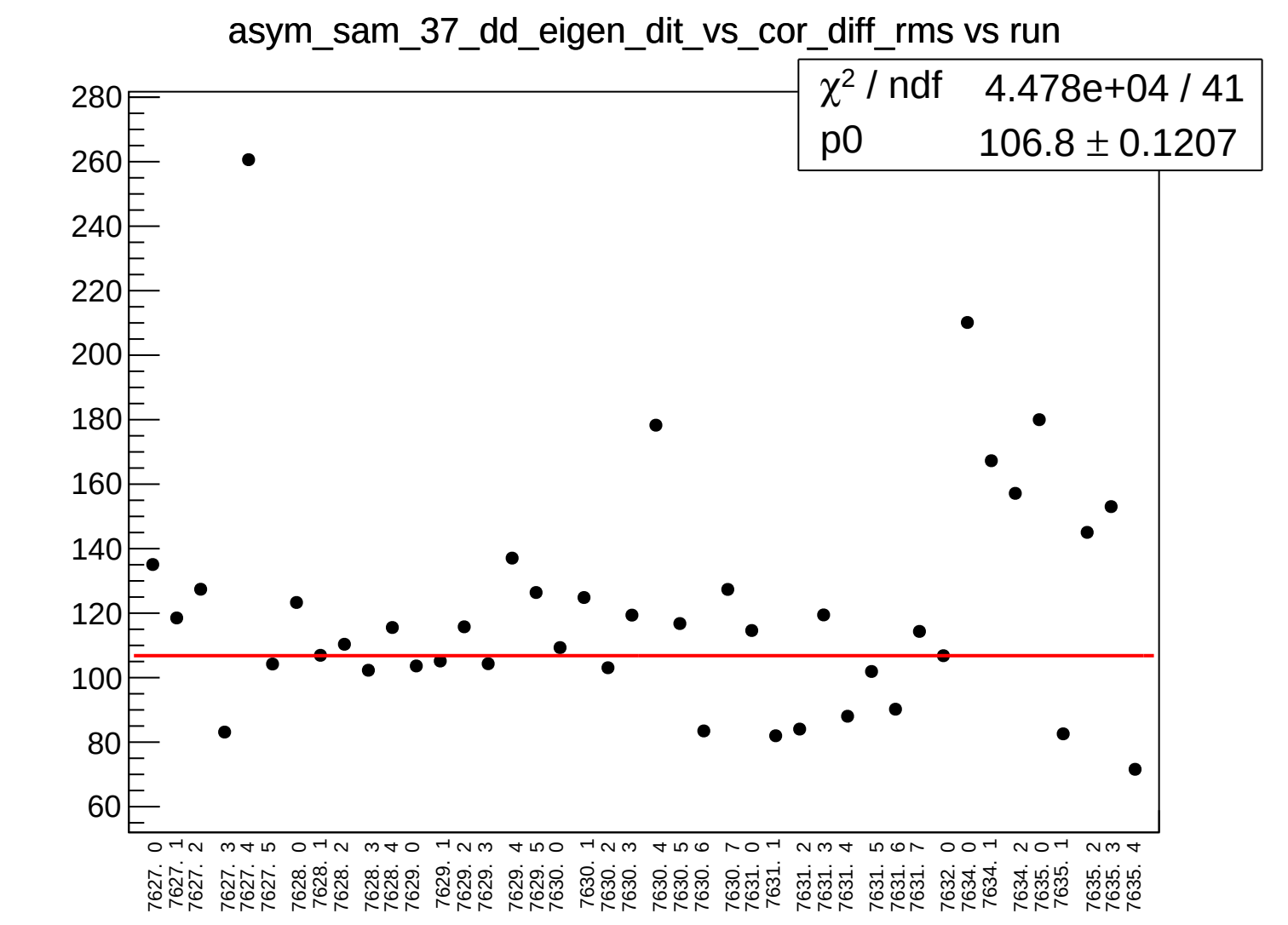

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.66 / 41
p0 −3.443e−06 ± 4.551e−06
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 104.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

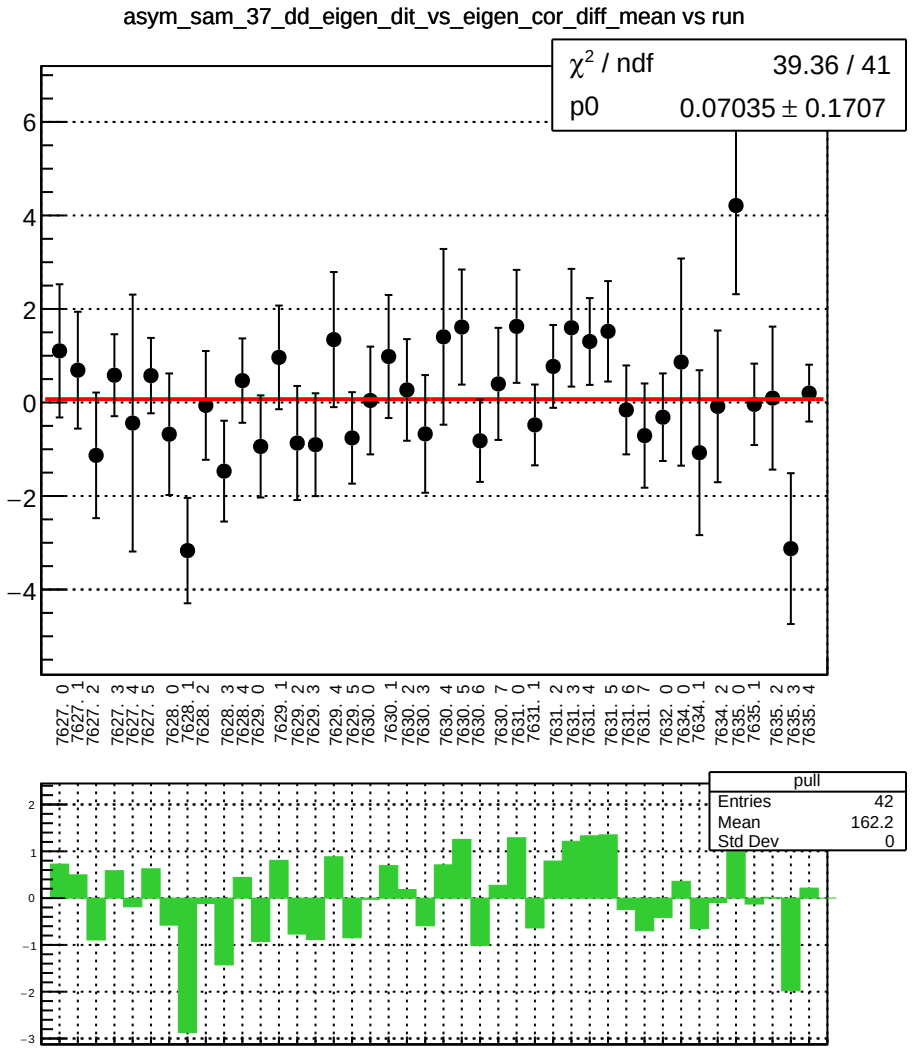

pull1D
Entries 42
Mean 0.01338
Std Dev 0.8682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

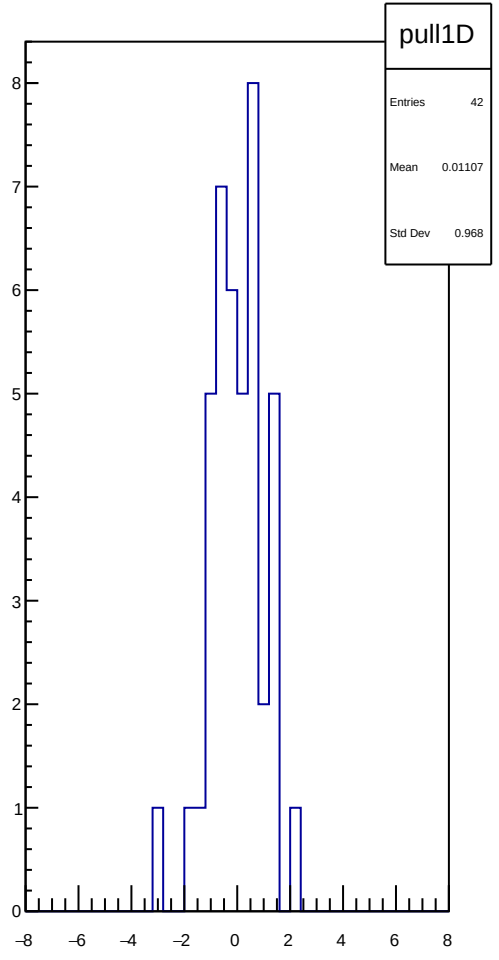

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8228 / 41
p0 0.002913 ± 3.218e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

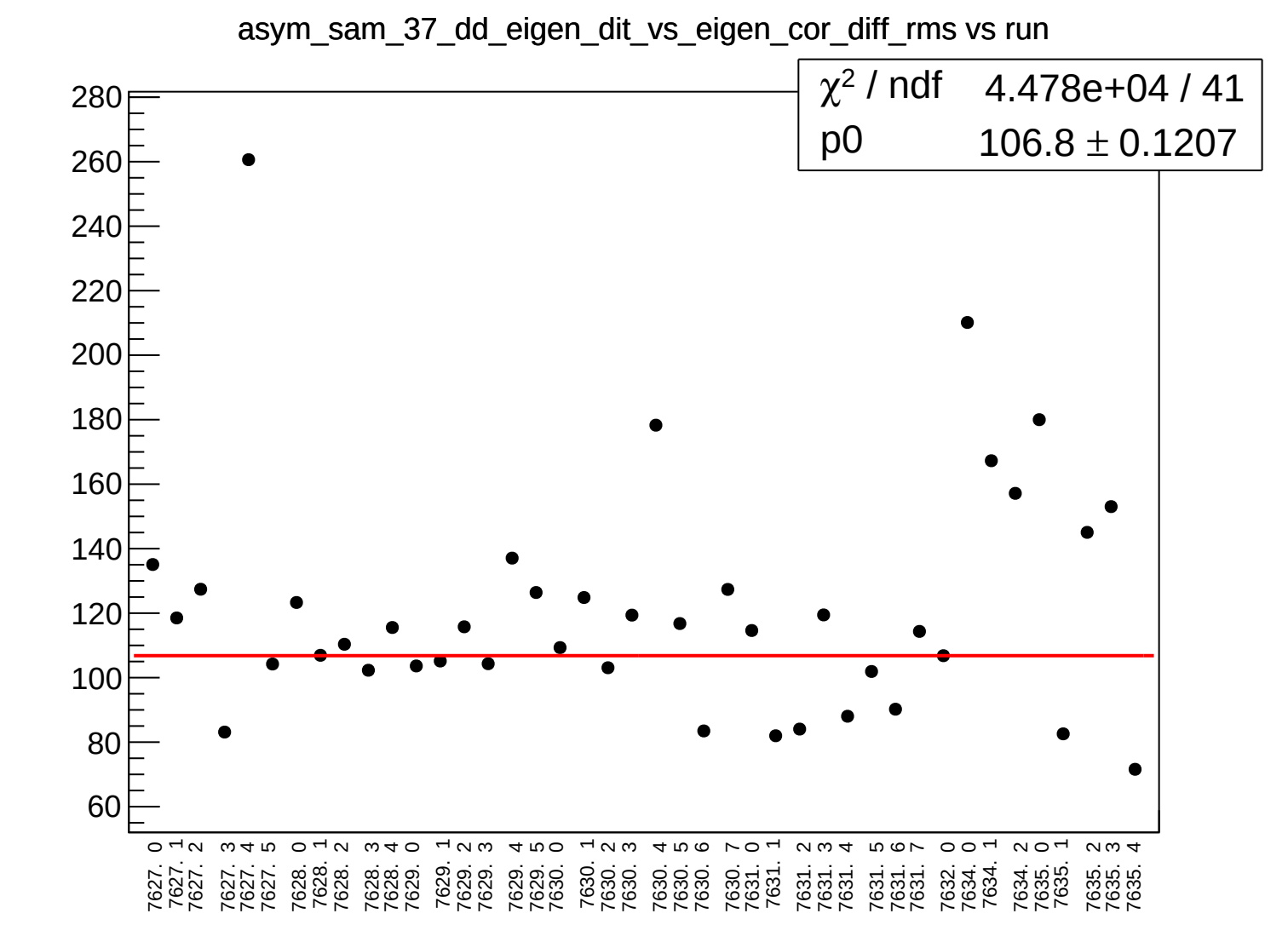

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.36 / 41
p0 0.07035 ± 0.1707
pull
Entries 42
Mean 162.2
Std Dev 0

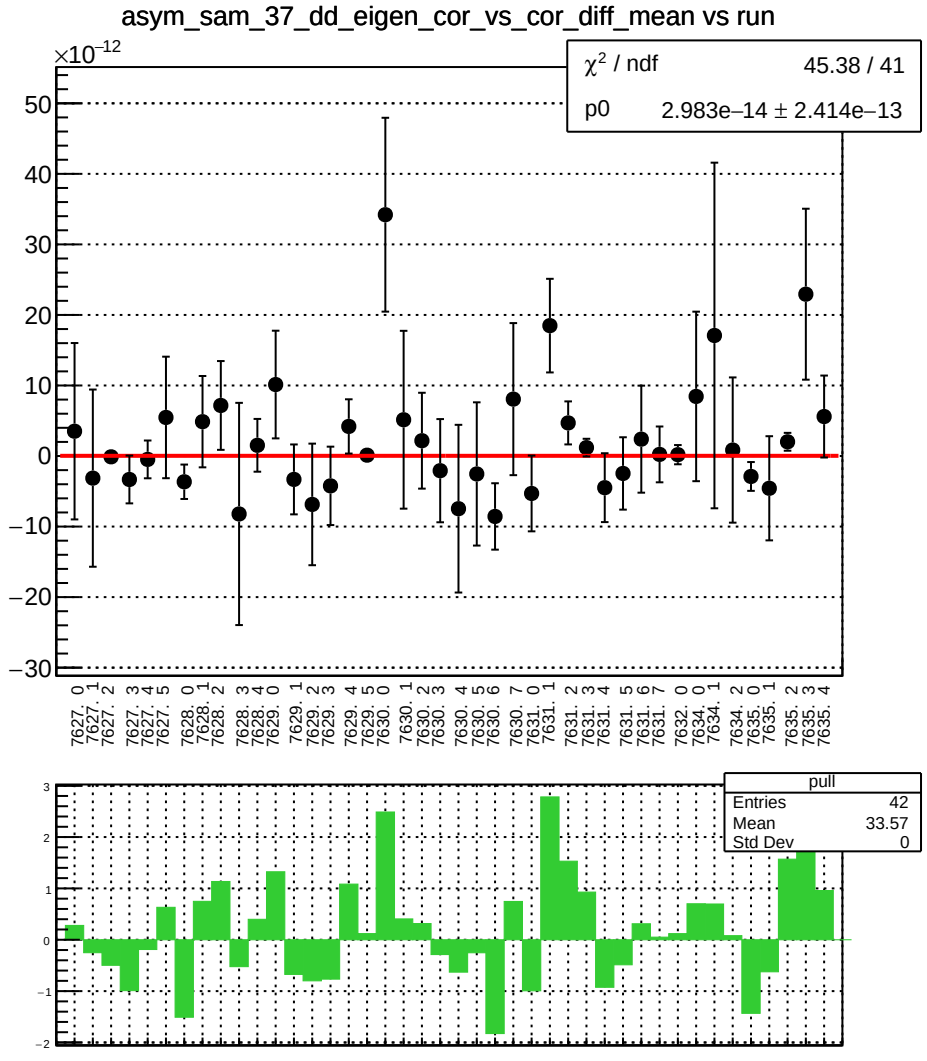

pull1D
Entries 42
Mean 0.01107
Std Dev 0.968

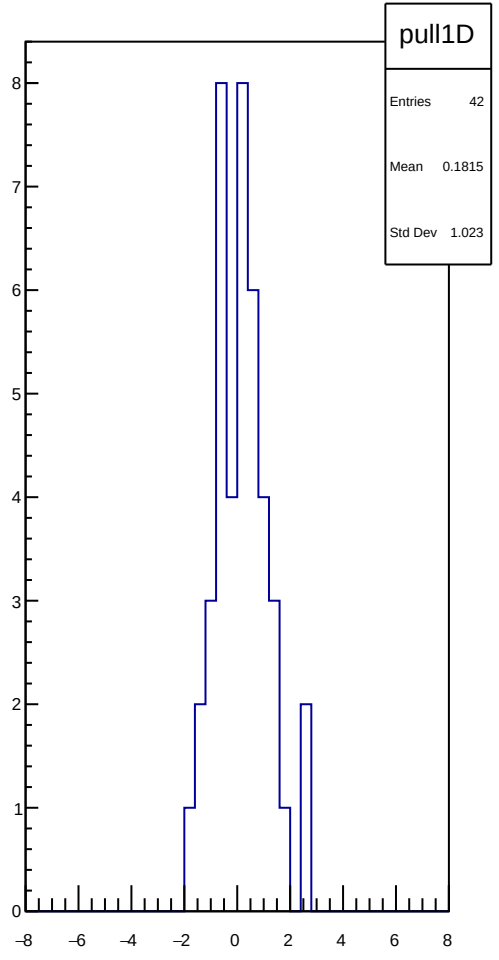

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.478e+04 / 41
p0 106.8 ± 0.1207
280
260
240
220
200
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

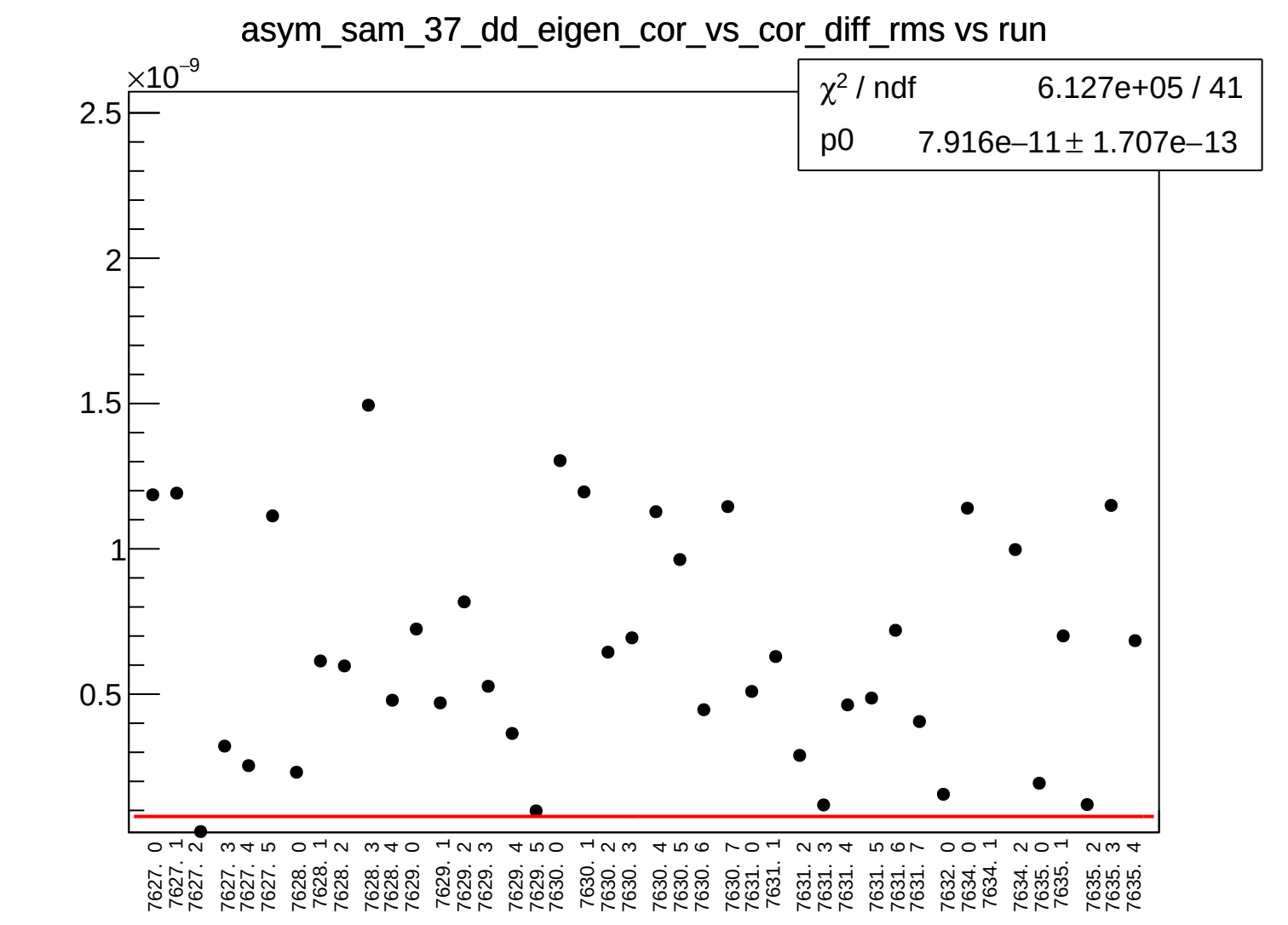

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.36 / 41
p0 0.07035 ± 0.1707
pull
Entries 42
Mean 162.2
Std Dev 0

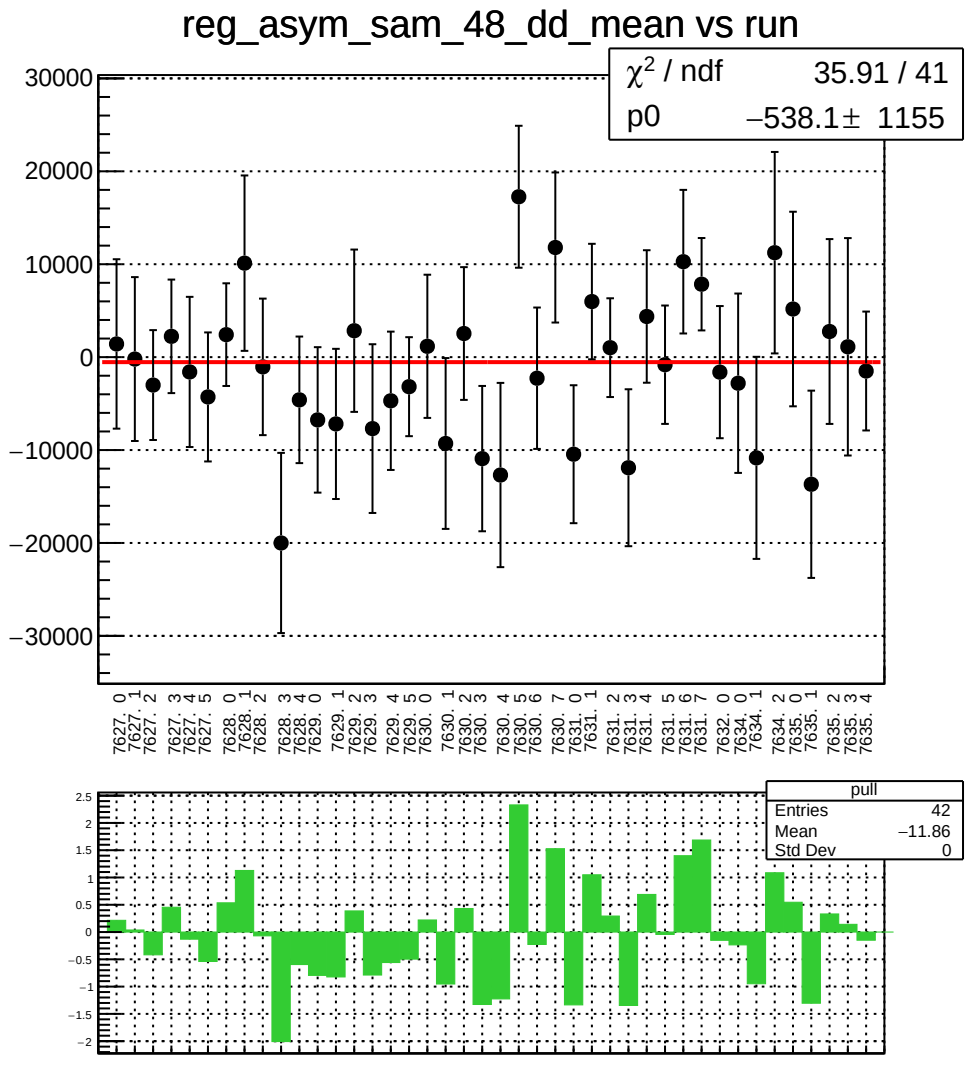

pull1D
Entries 42
Mean 0.01107
Std Dev 0.968

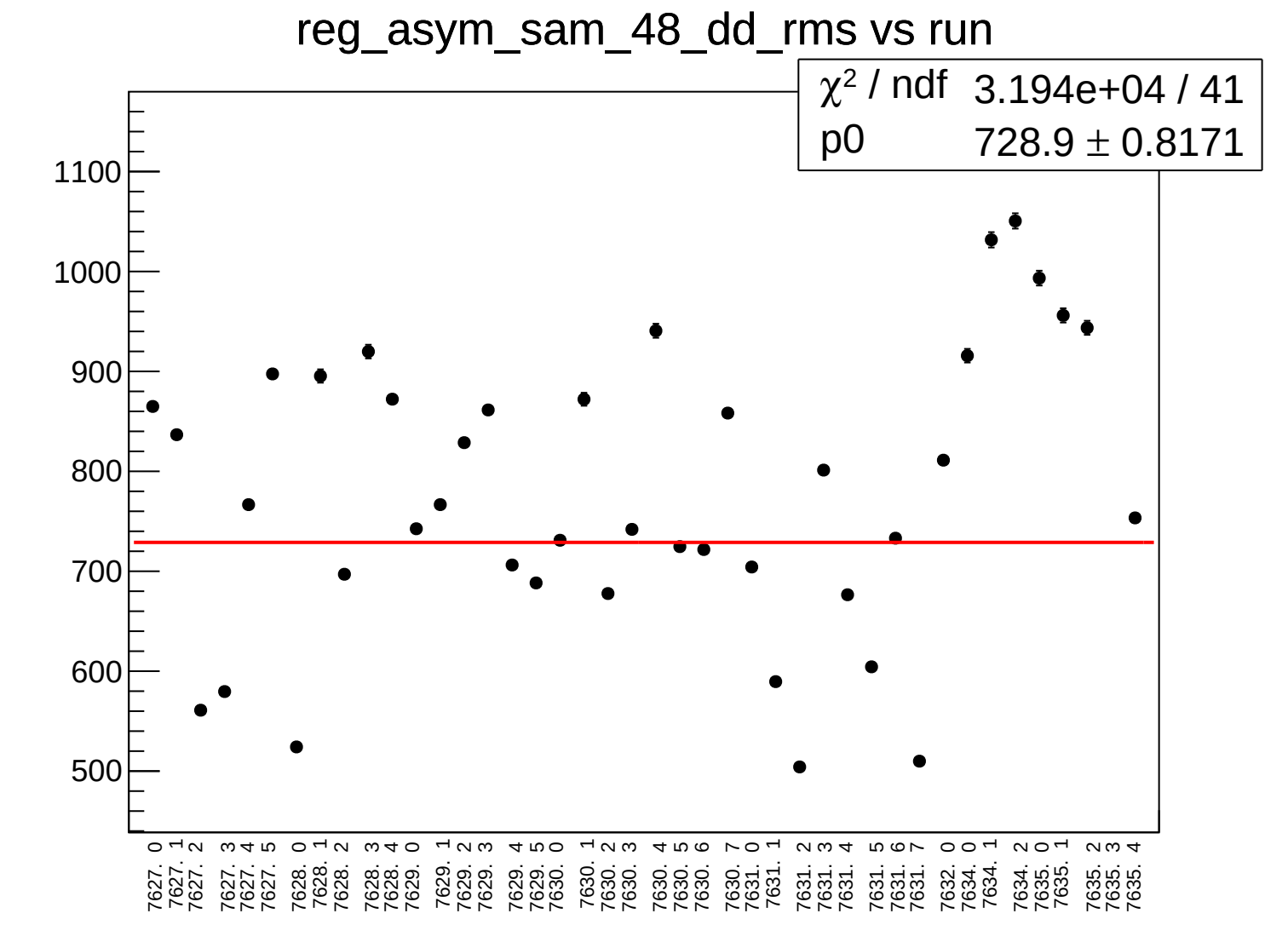

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.478e+04 / 41
p0 106.8 ± 0.1207
280
260
240
220
200
180
160
140
120
100
80
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

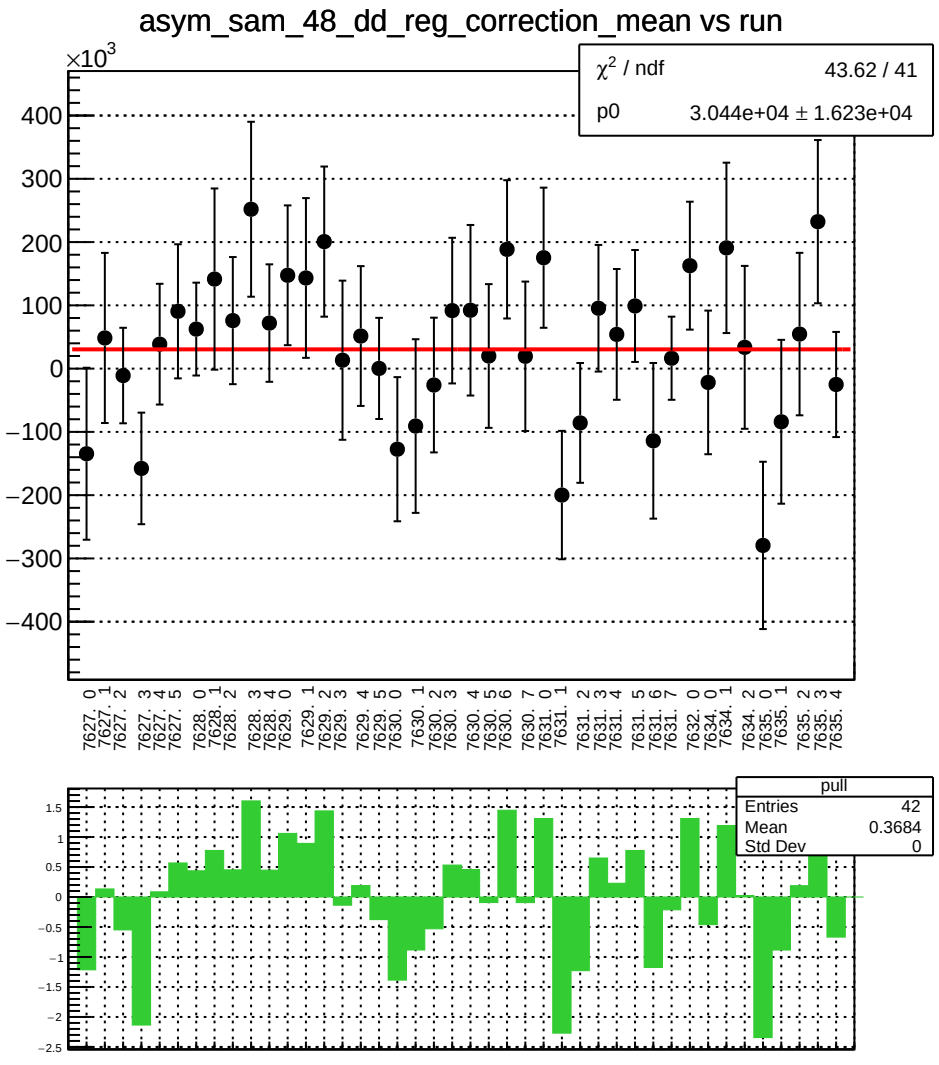

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.38 / 41
p0 2.983e−14 ± 2.414e−13
pull
Entries 42
Mean 33.57
Std Dev 0

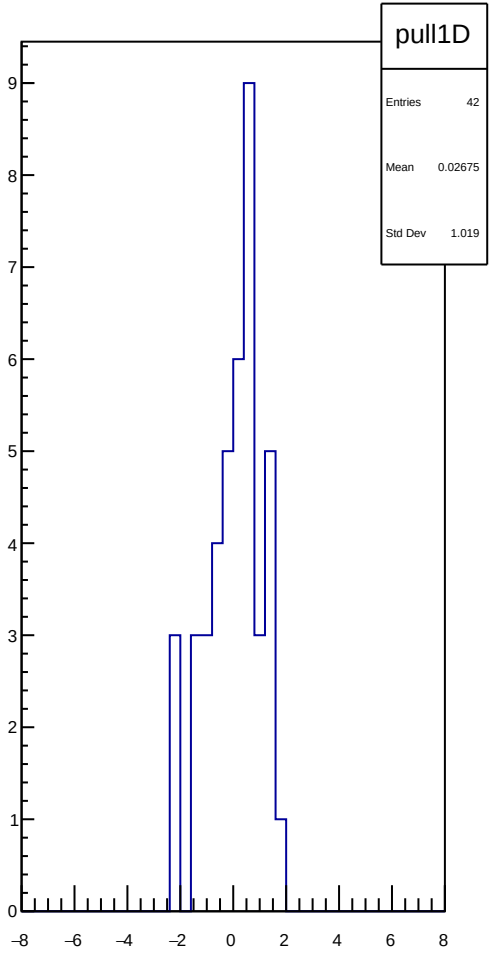

pull1D
Entries 42
Mean 0.1815
Std Dev 1.023

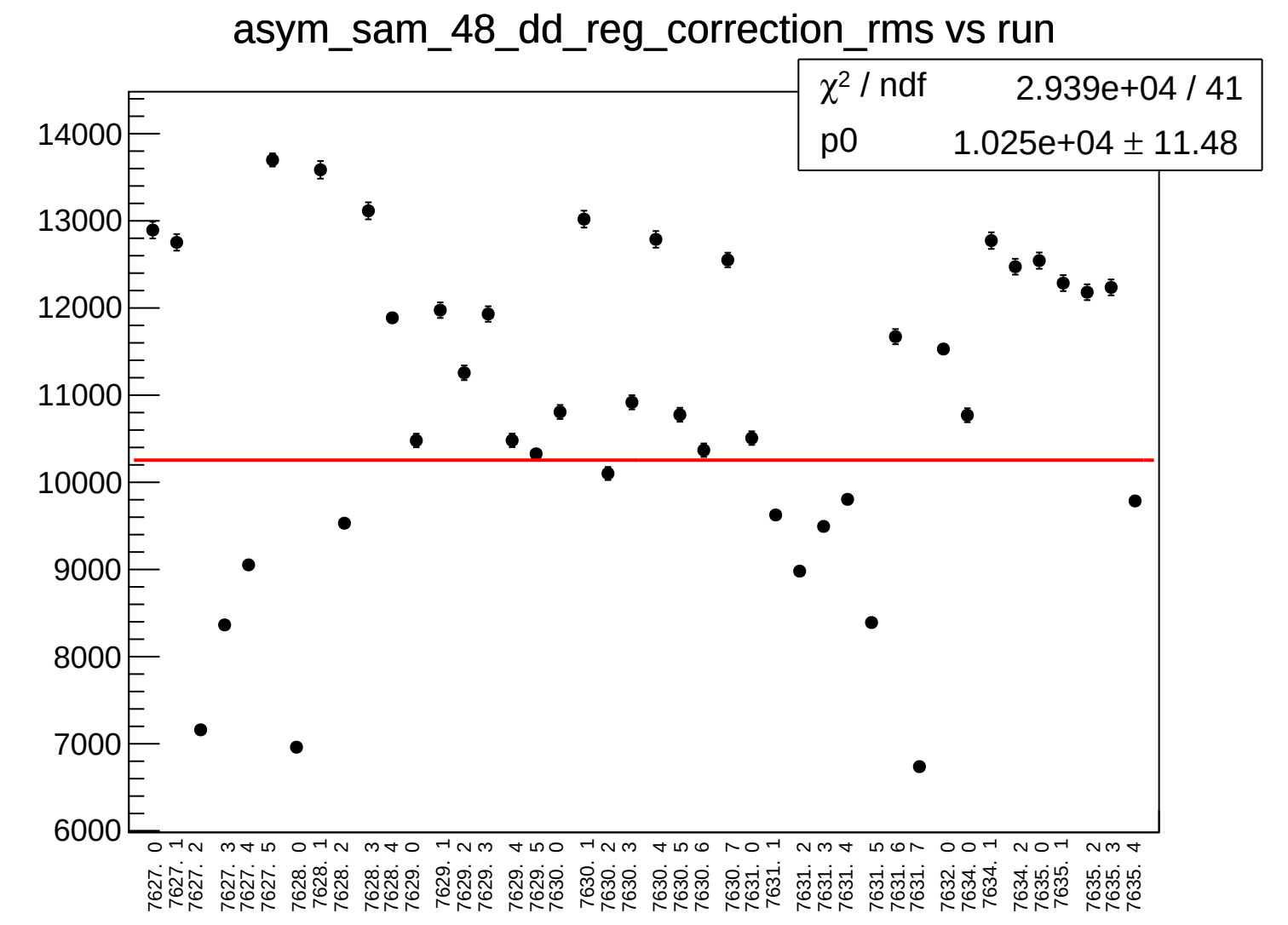

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.127e+05 / 41
p0 7.916e−11 ± 1.707e−13
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

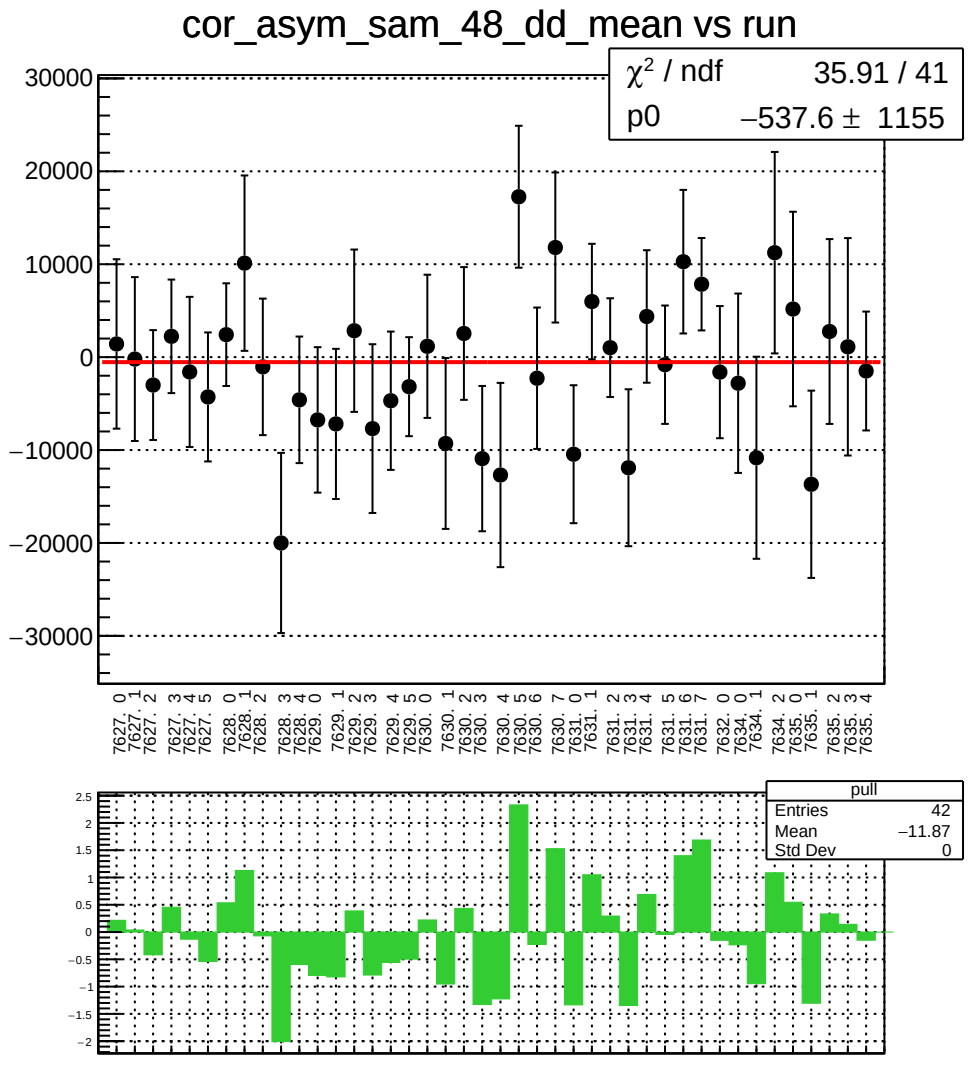

reg_asym_sam_48_dd_mean vs run
χ² / ndf 35.91 / 41
p0 −538.1± 1155
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.04699
Std Dev 0.9235
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

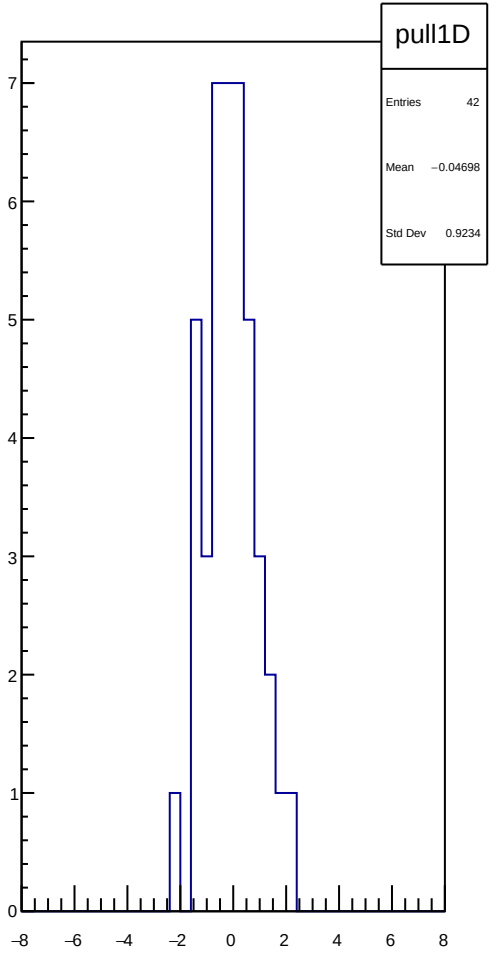

reg_asym_sam_48_dd_rms vs run
χ² / ndf 3.194e+04 / 41
p0 728.9 ± 0.8171
1100
1000
900
800
700
600
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

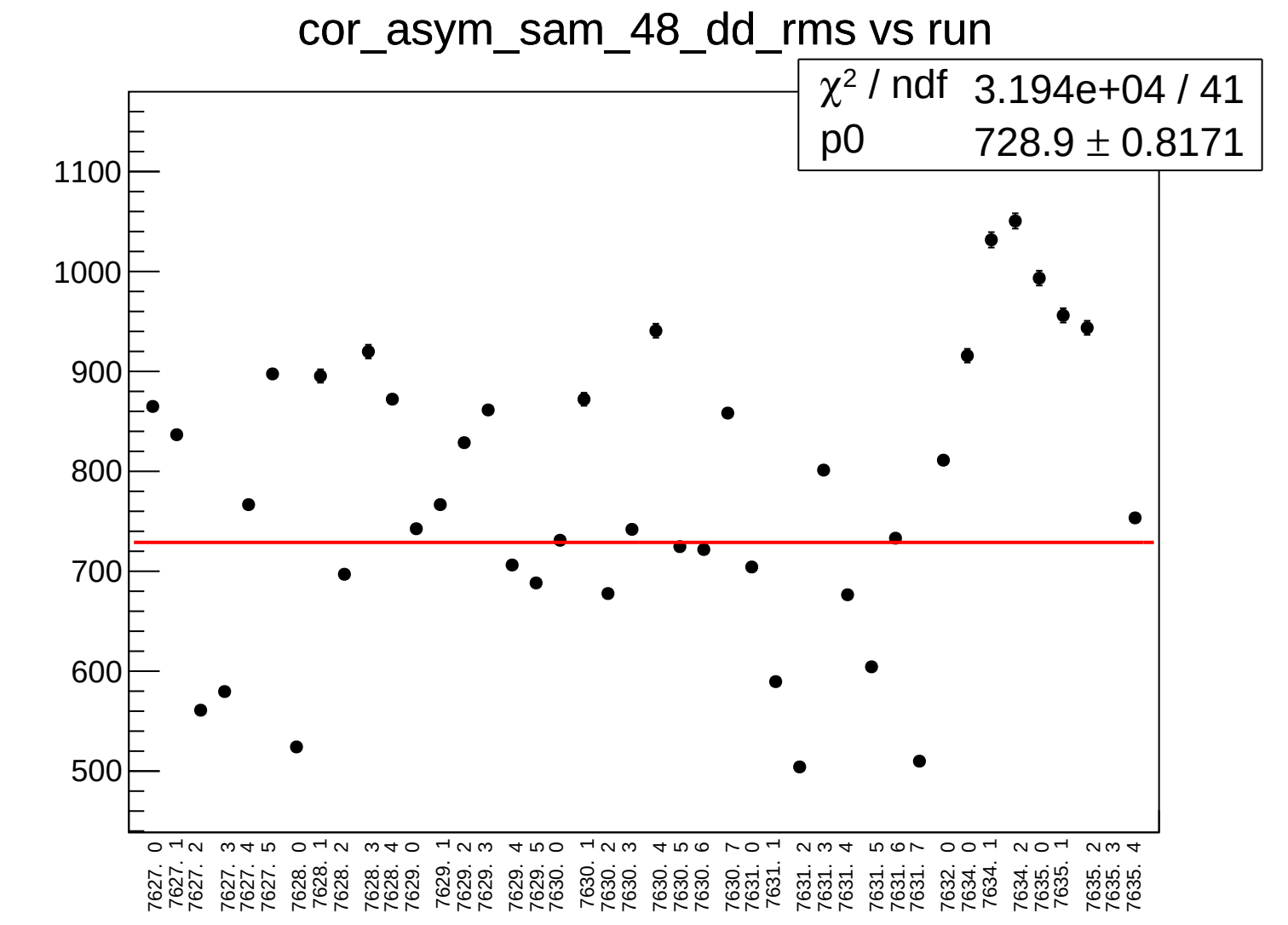

asym_sam_48_dd_reg_correction_mean vs run
×10^3
χ² / ndf 43.62 / 41
p0 3.044e+04 ± 1.623e+04
pull
Entries 42
Mean 0.3684
Std Dev 0

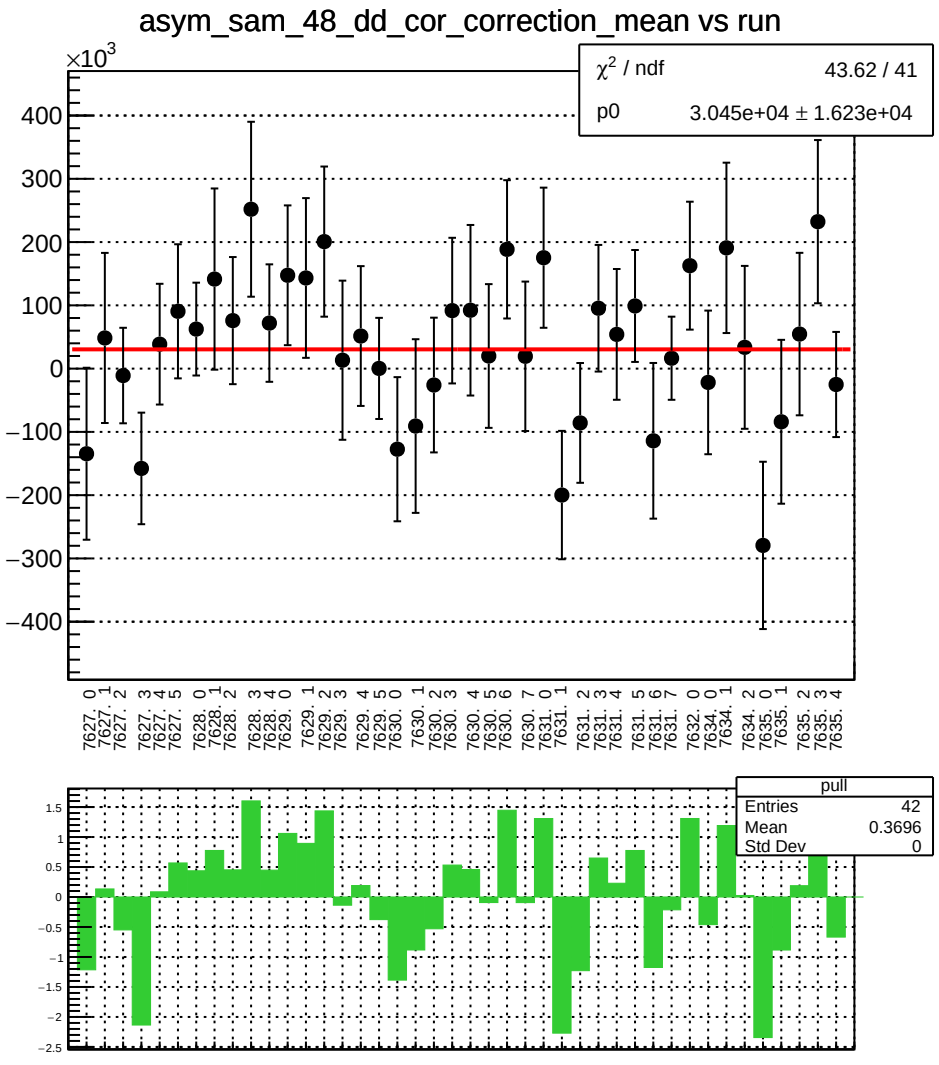

pull1D
Entries 42
Mean 0.02675
Std Dev 1.019

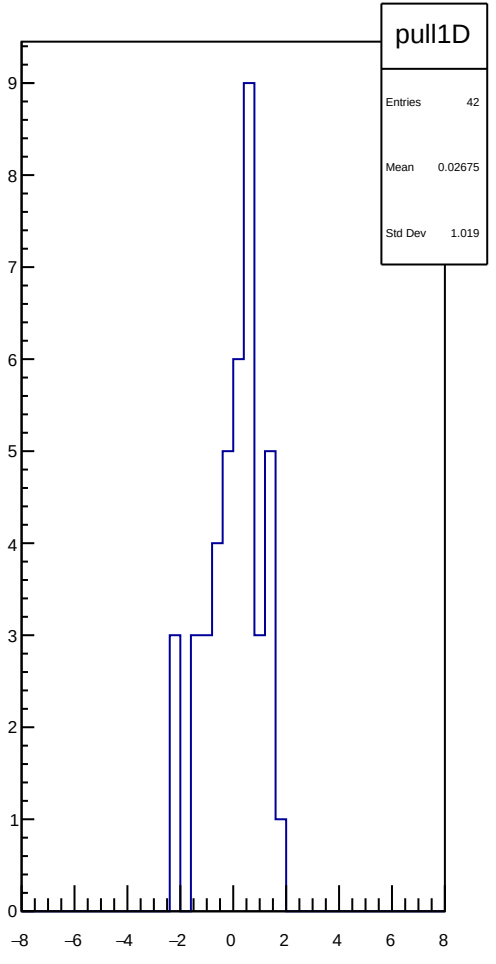

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 2.939e+04 / 41
p0 1.025e+04 ± 11.48
14000
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

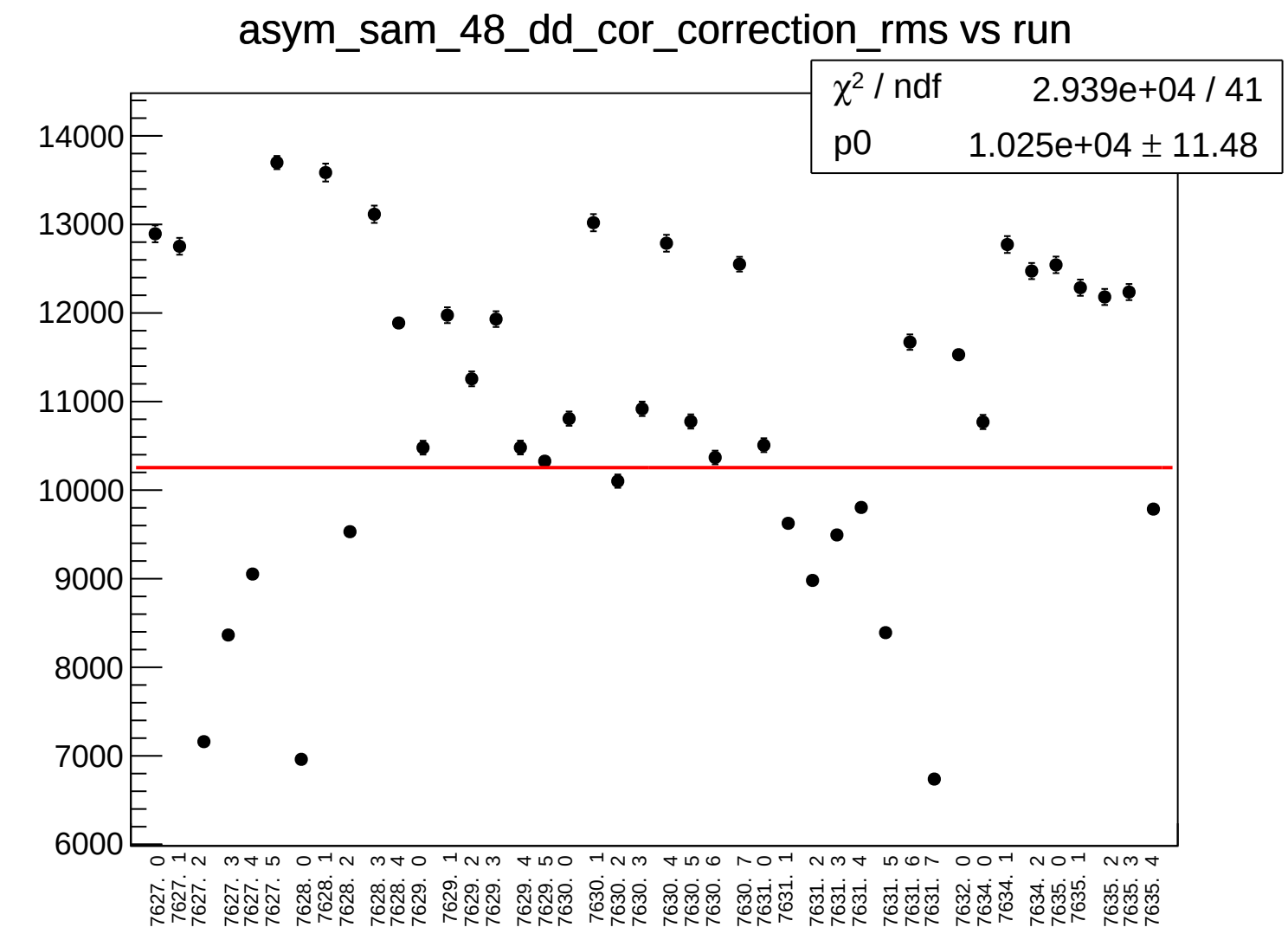

cor_asym_sam_48_dd_mean vs run
χ² / ndf 35.91 / 41
p0 −537.6 ± 1155
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.87
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

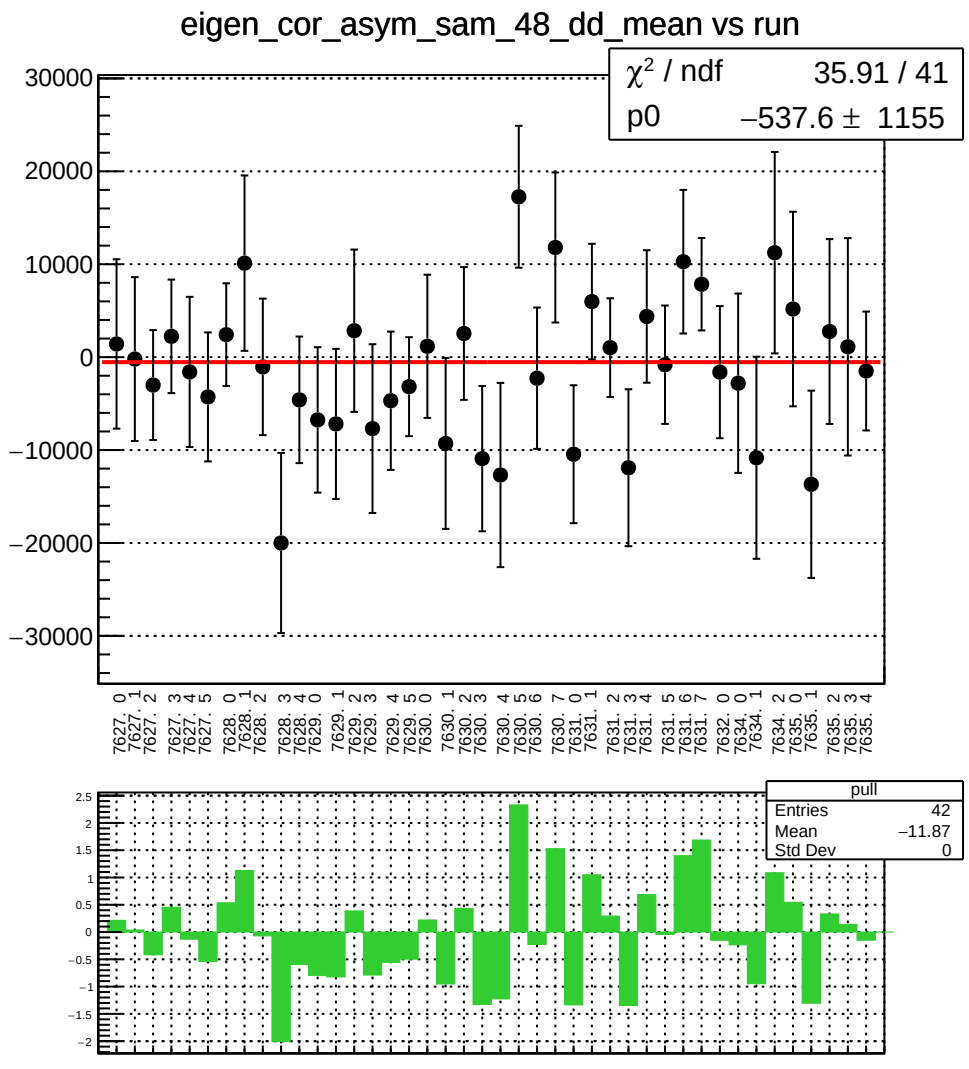

pull1D
Entries 42
Mean −0.04698
Std Dev 0.9234
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

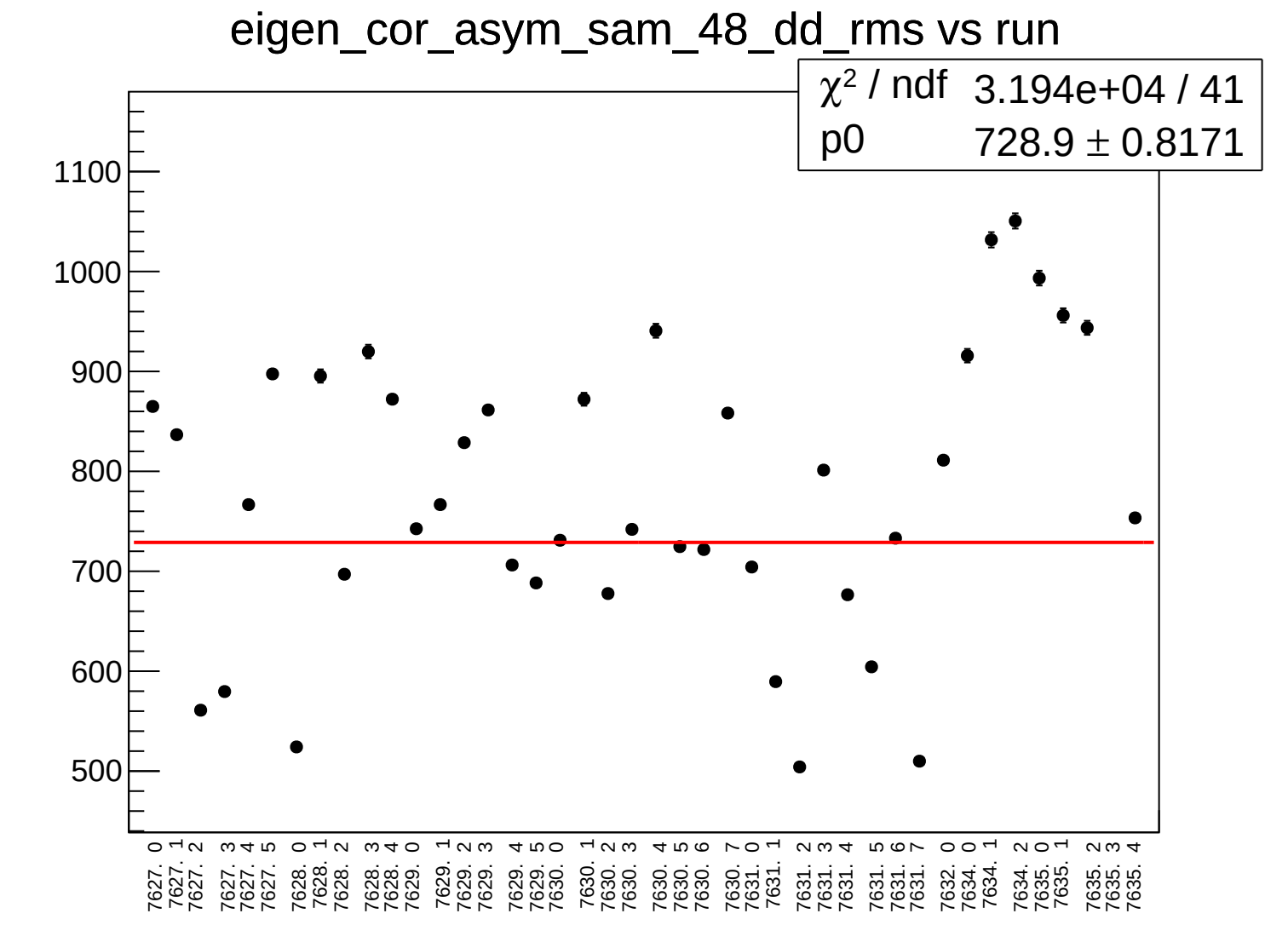

cor_asym_sam_48_dd_rms vs run
χ² / ndf 3.194e+04 / 41
p0 728.9 ± 0.8171
1100
1000
900
800
700
600
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

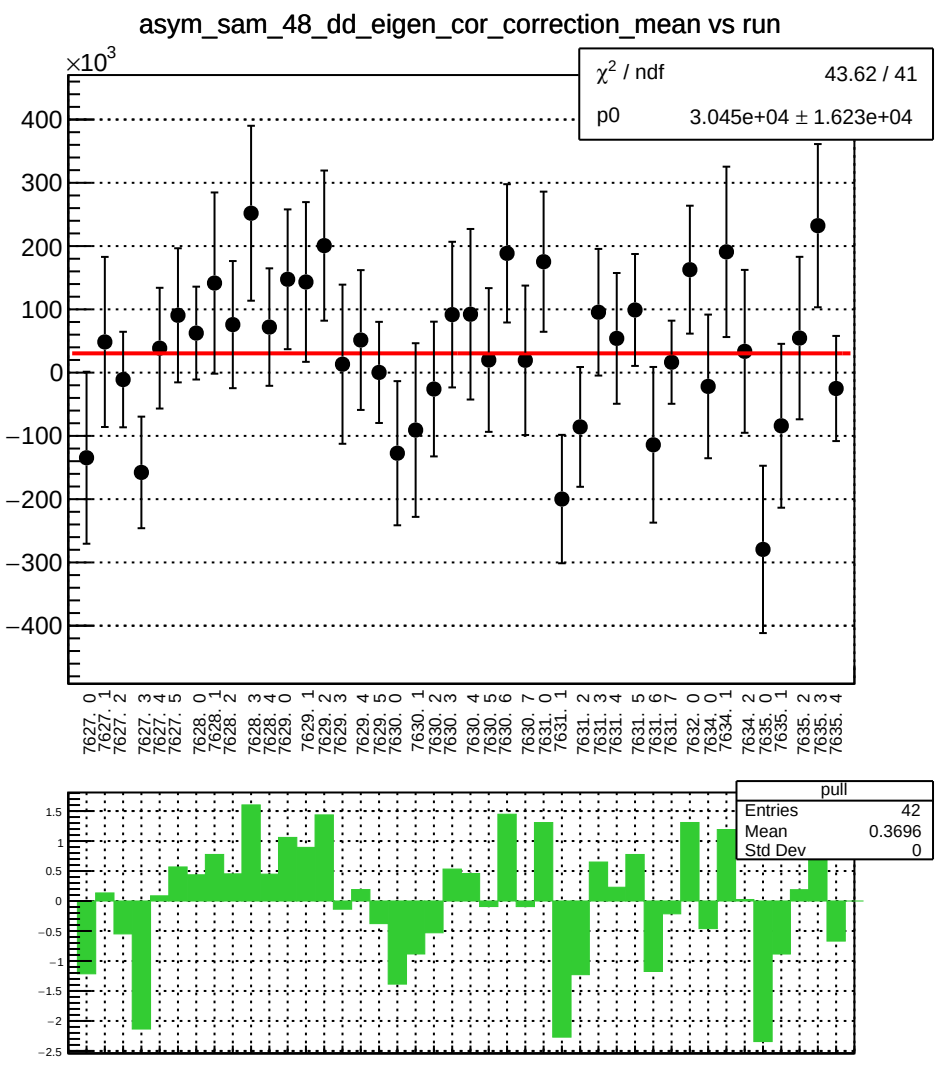

asym_sam_48_dd_cor_correction_mean vs run
×10^3
χ² / ndf 43.62 / 41
p0 3.045e+04 ± 1.623e+04
pull
Entries 42
Mean 0.3696
Std Dev 0

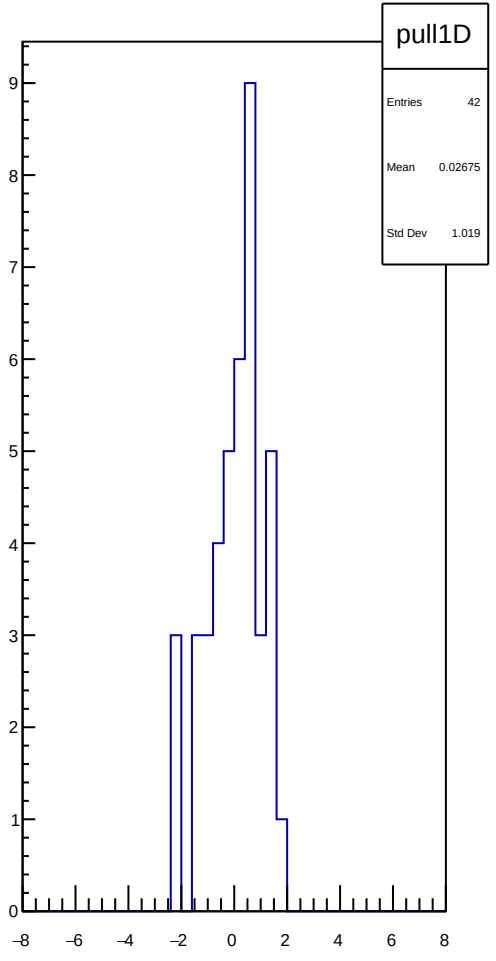

pull1D
Entries 42
Mean 0.02675
Std Dev 1.019

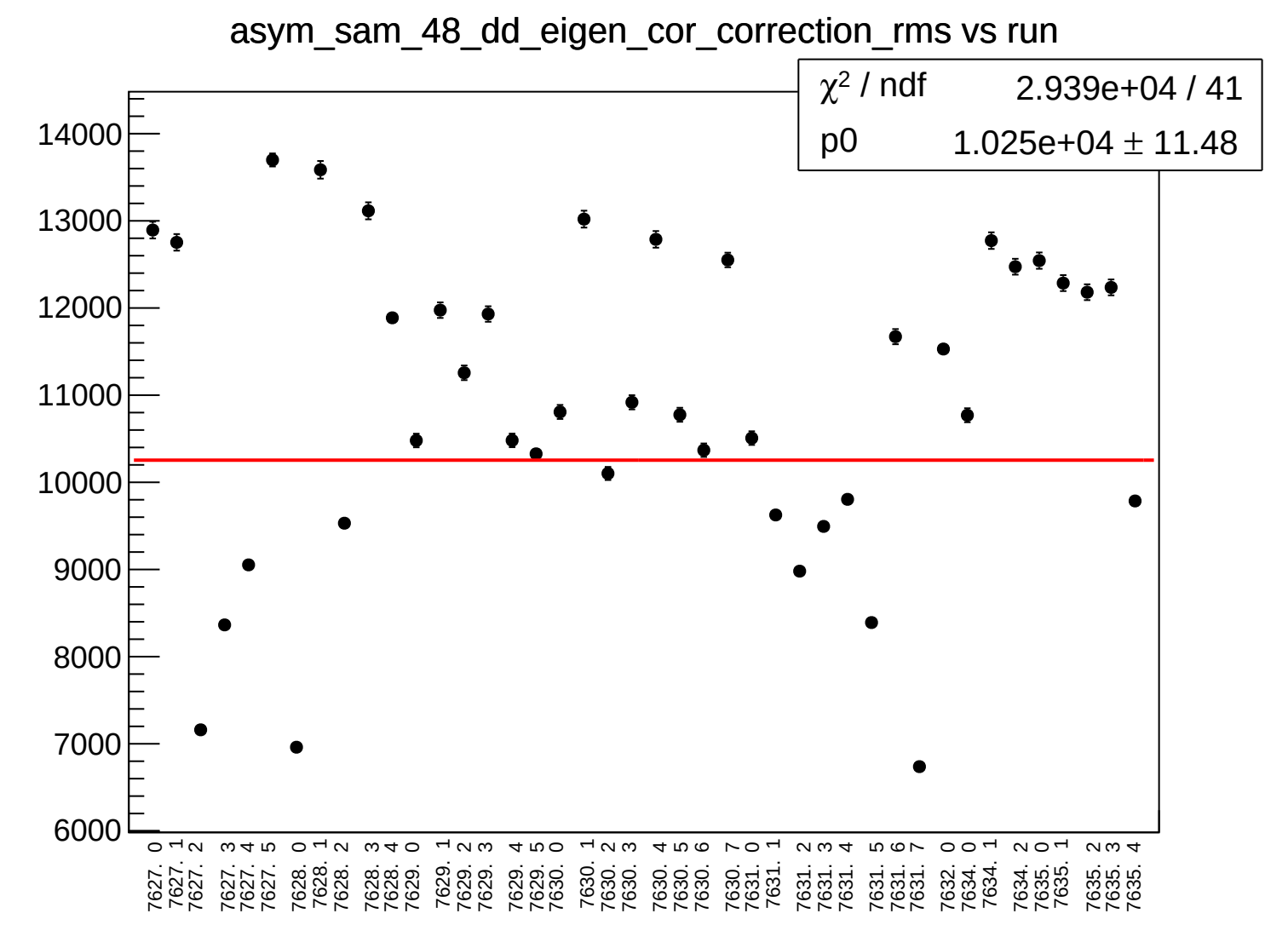

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 2.939e+04 / 41
p0 1.025e+04 ± 11.48
14000
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

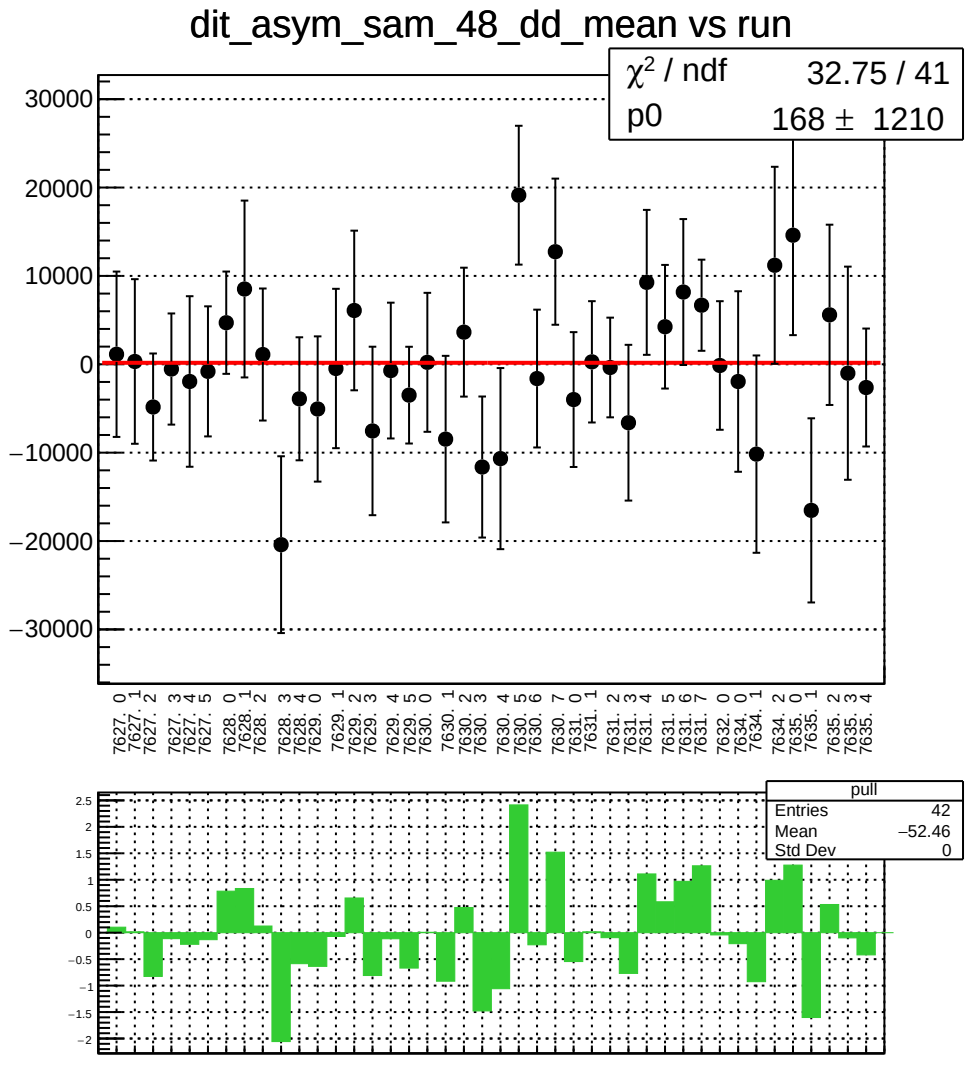

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 35.91 / 41
p0 −537.6 ± 1155
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −11.87
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.04698
Std Dev 0.9234
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

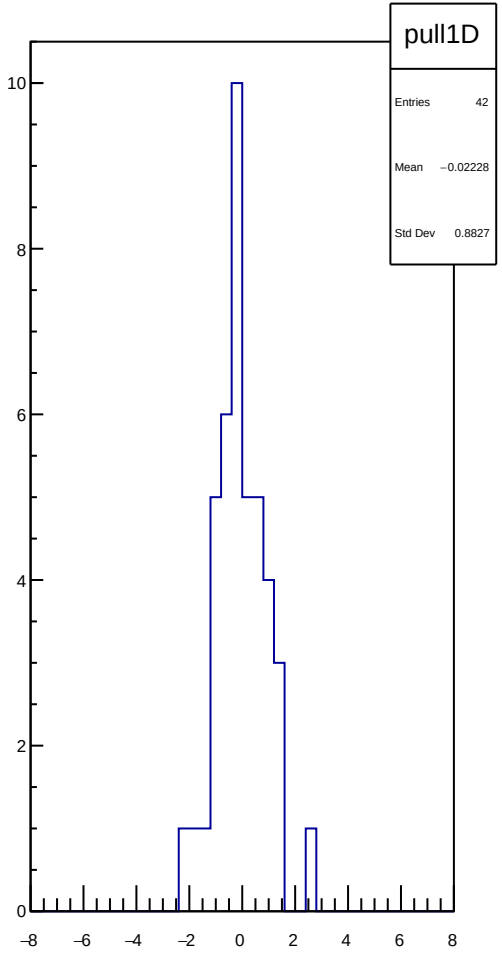

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 3.194e+04 / 41
p0 728.9 ± 0.8171
1100
1000
900
800
700
600
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

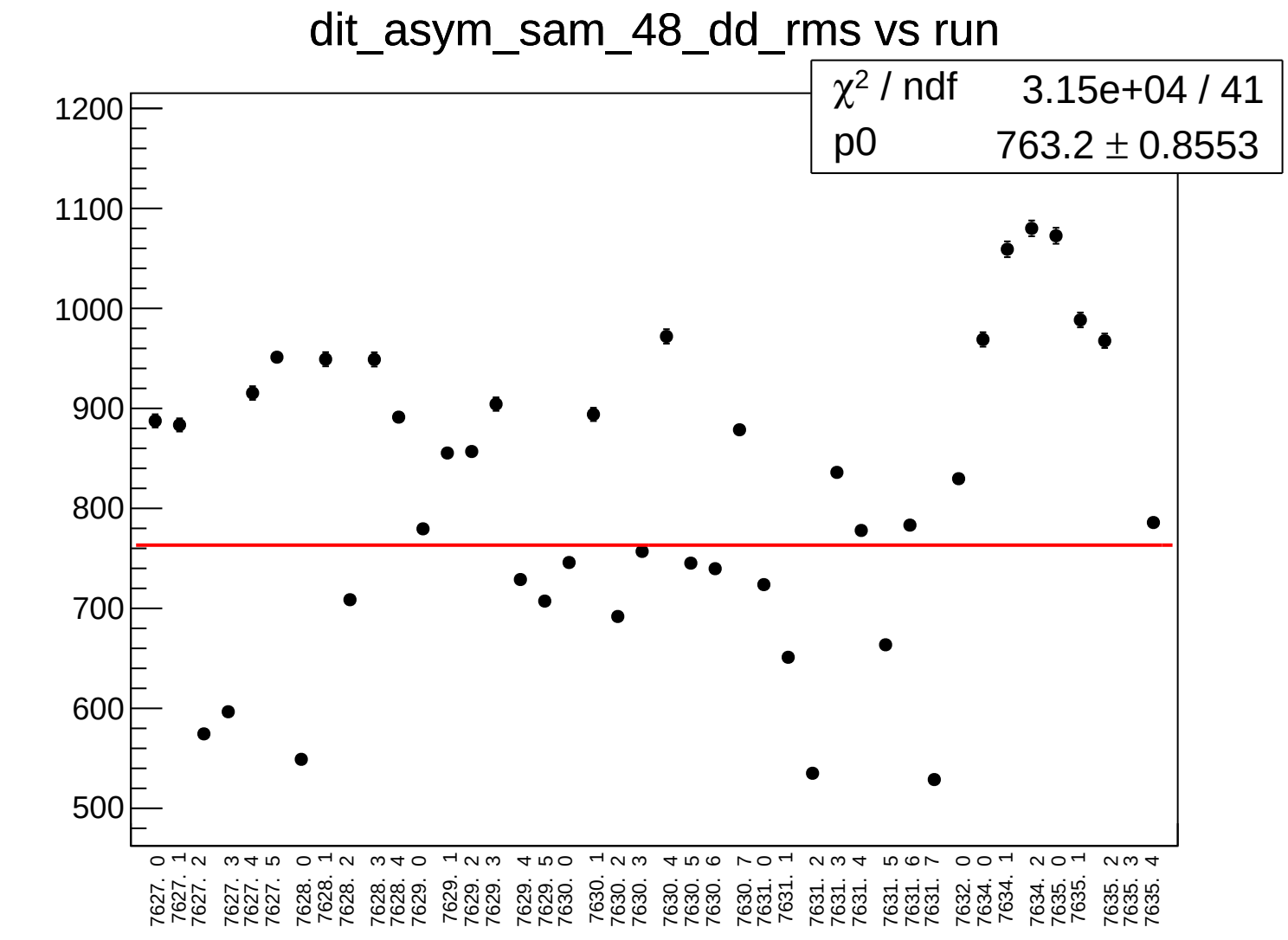

asym_sam_48_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 43.62 / 41
p0 3.045e+04 ± 1.623e+04
pull
Entries 42
Mean 0.3696
Std Dev 0

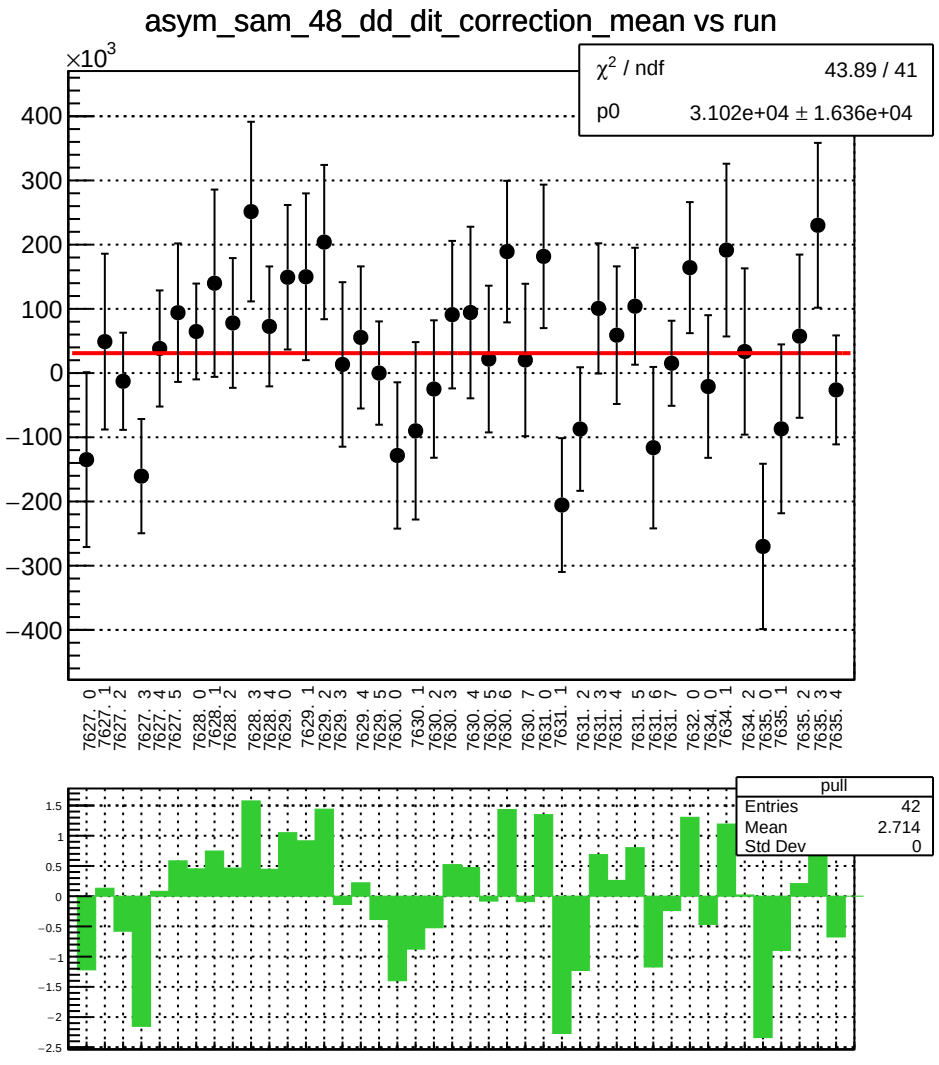

pull1D
Entries 42
Mean 0.02675
Std Dev 1.019

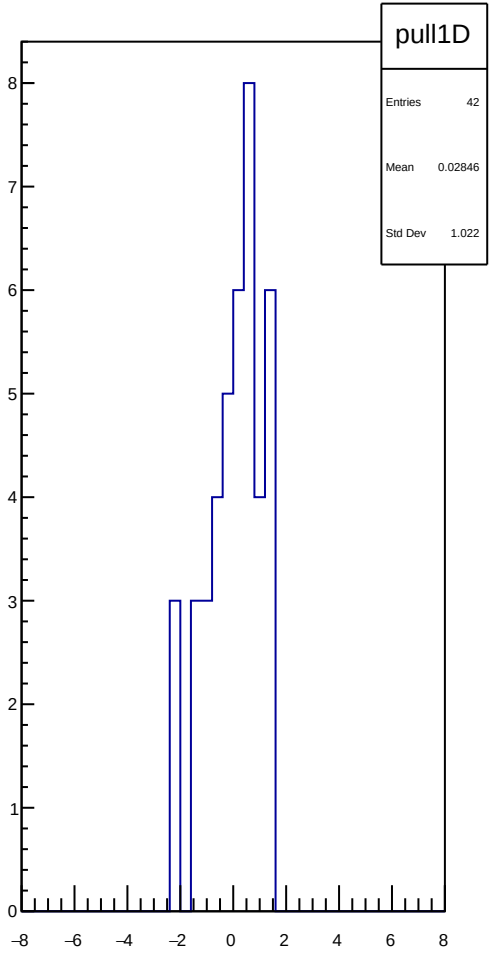

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.939e+04 / 41
p0 1.025e+04 ± 11.48
14000
13000
12000
11000
10000
9000
8000
7000
6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

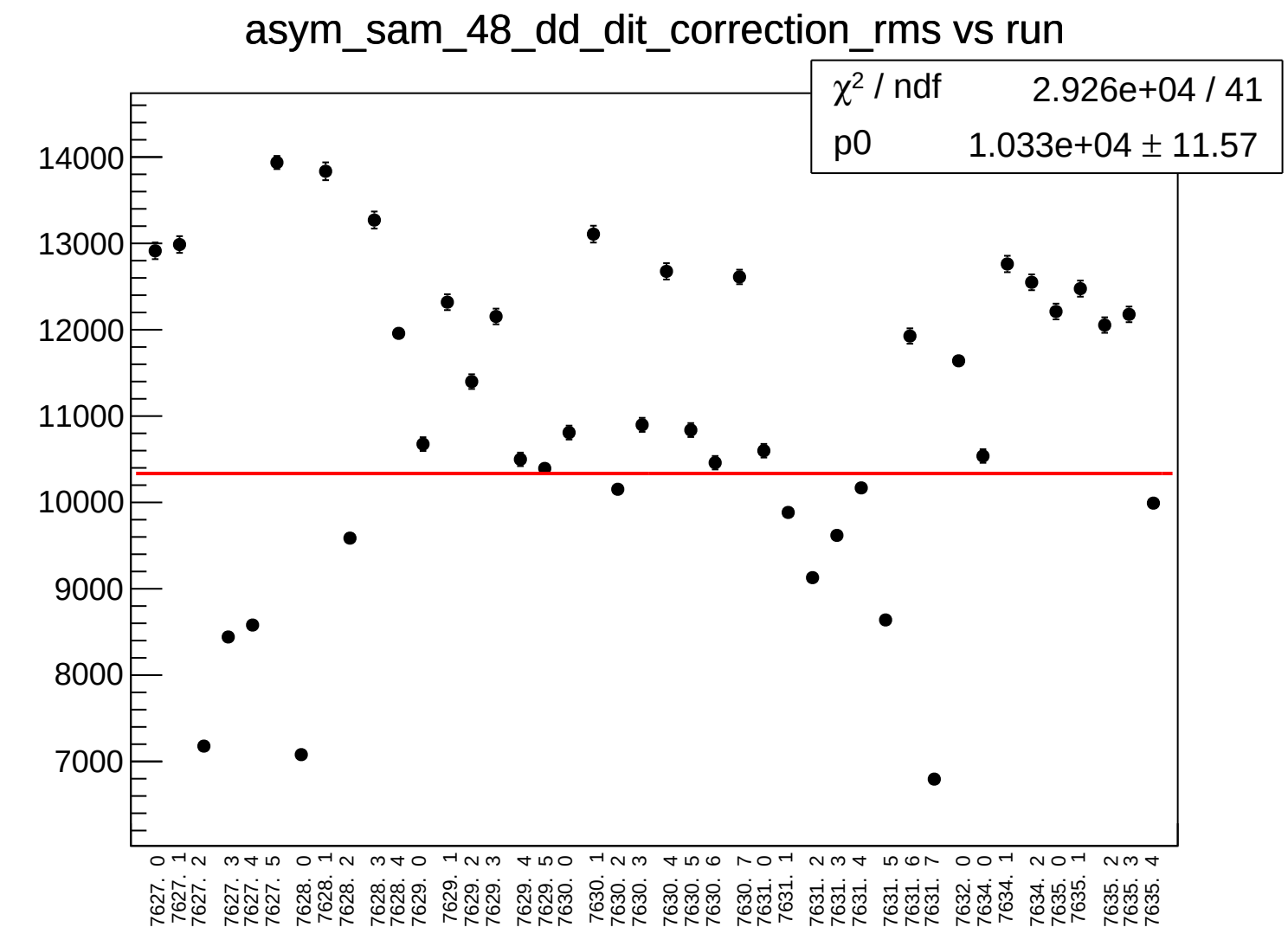

dit_asym_sam_48_dd_mean vs run
χ² / ndf 32.75 / 41
p0 168 ± 1210
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −52.46
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

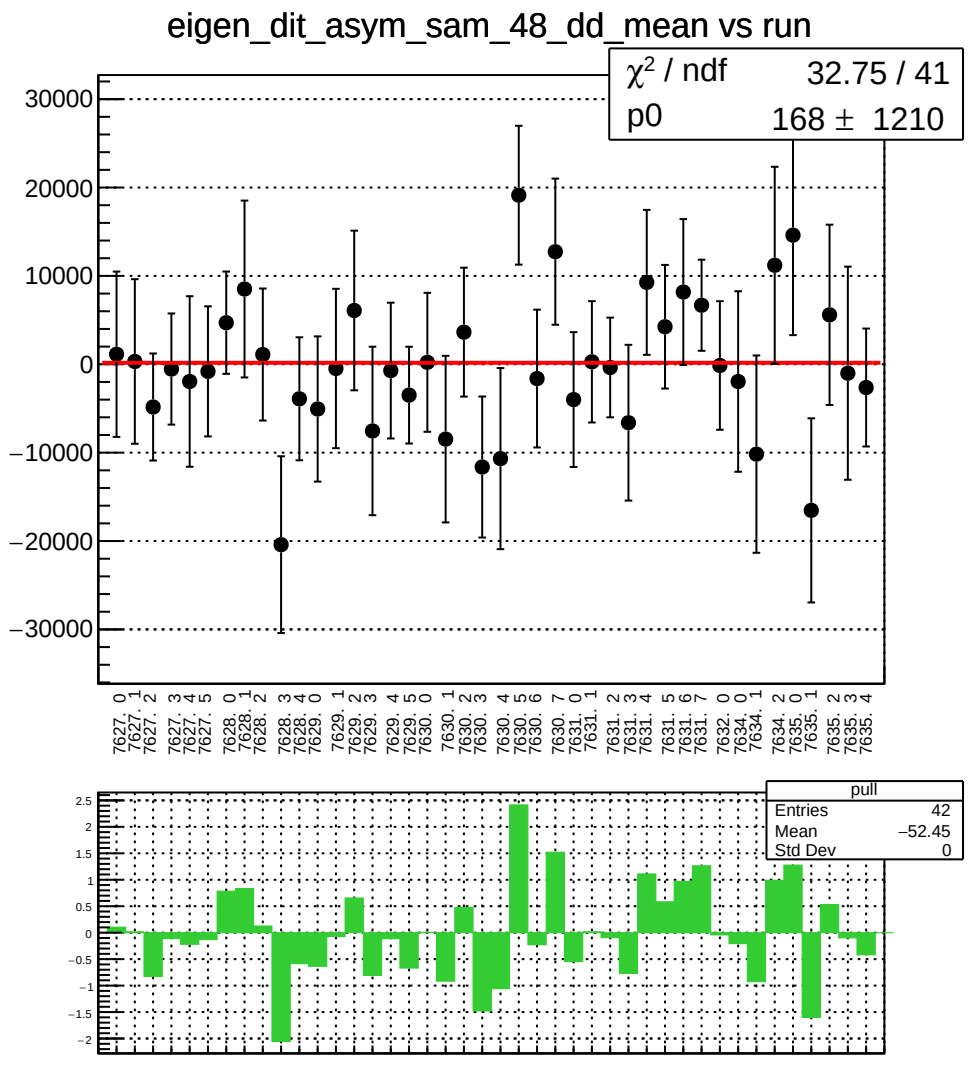

pull1D
Entries 42
Mean −0.02228
Std Dev 0.8827
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

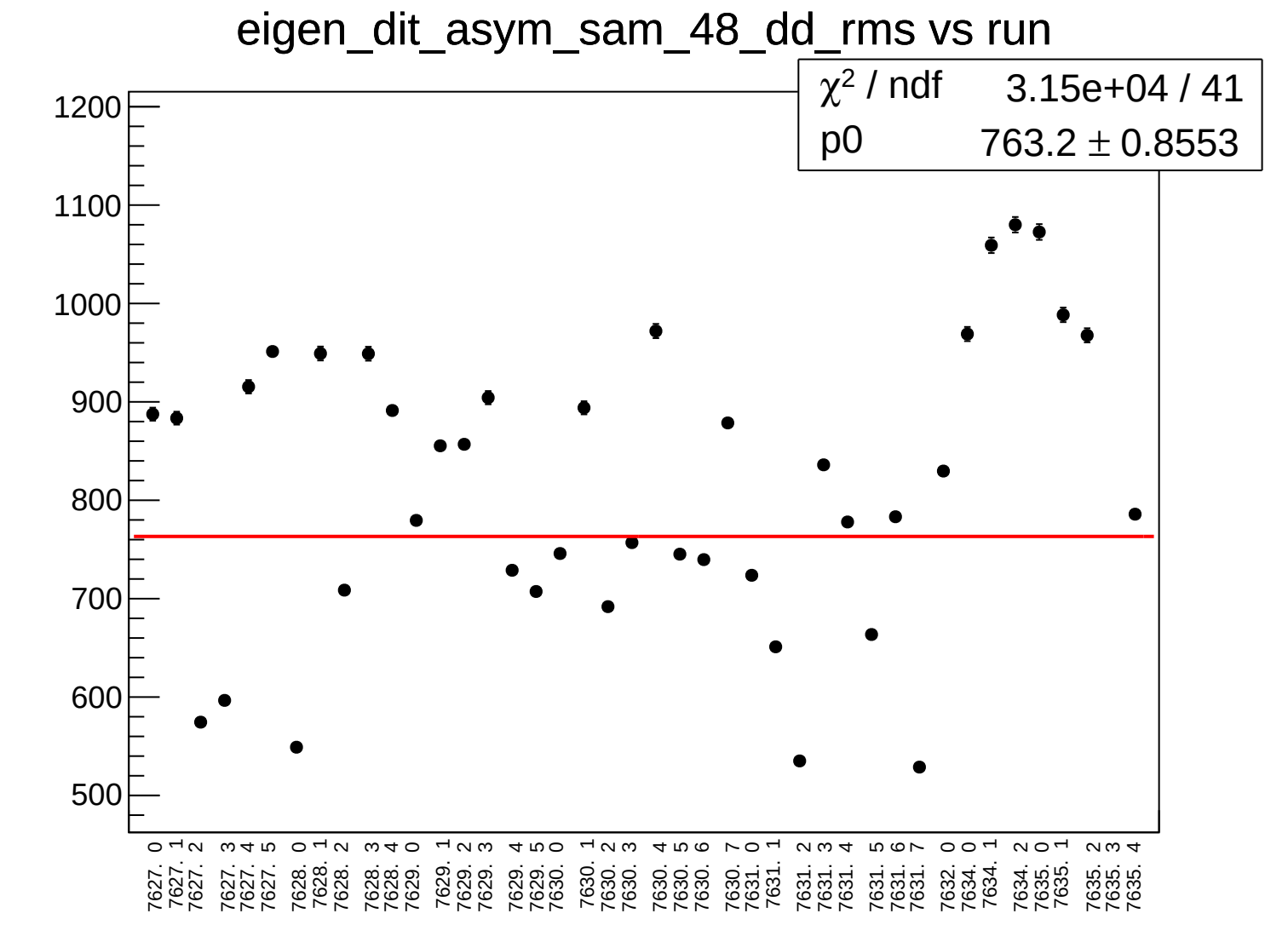

dit_asym_sam_48_dd_rms vs run
χ² / ndf 3.15e+04 / 41
p0 763.2 ± 0.8553
1200
1100
1000
900
800
700
600
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

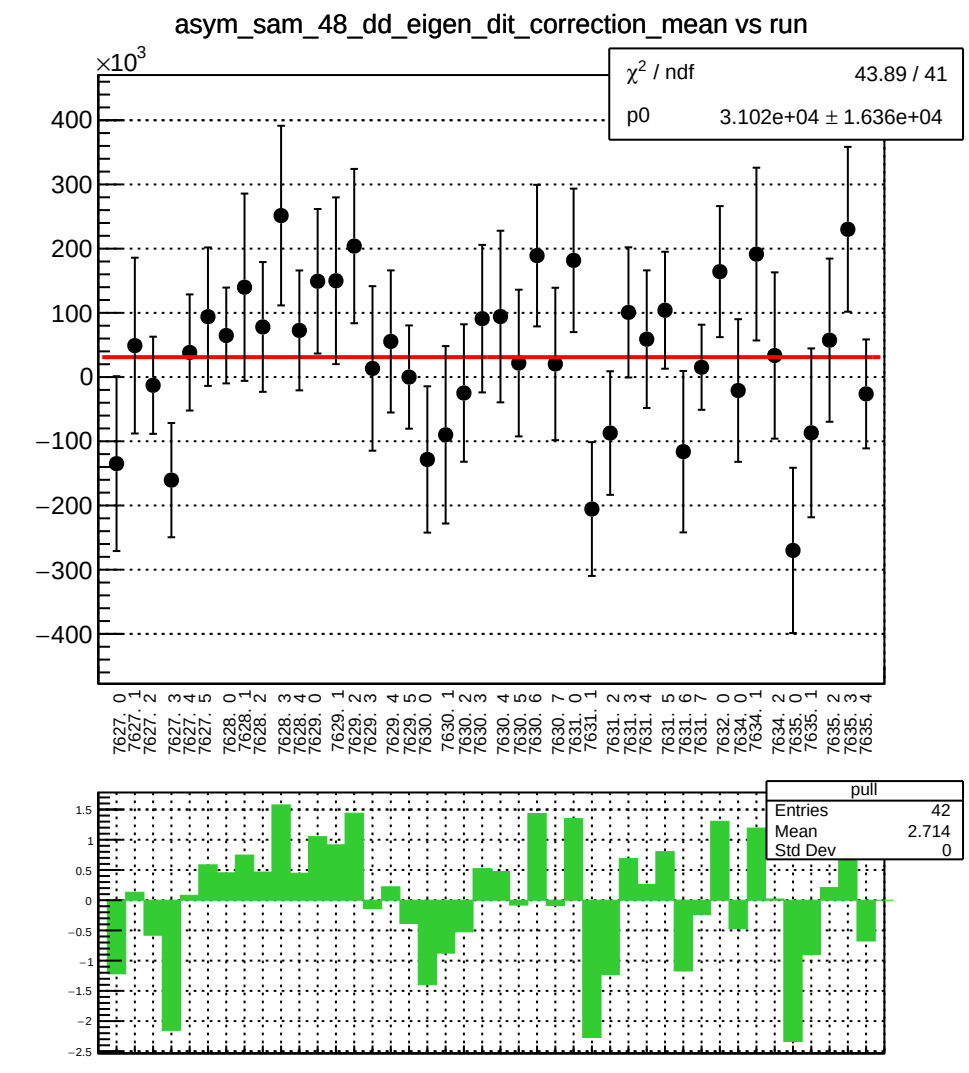

asym_sam_48_dd_dit_correction_mean vs run
×10^3
χ² / ndf 43.89 / 41
p0 3.102e+04 ± 1.636e+04
pull
Entries 42
Mean 2.714
Std Dev 0

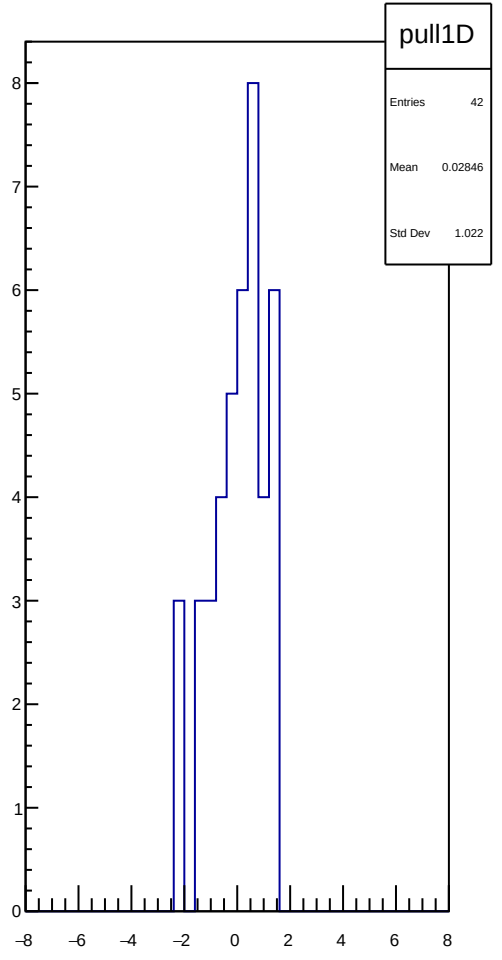

pull1D
Entries 42
Mean 0.02846
Std Dev 1.022

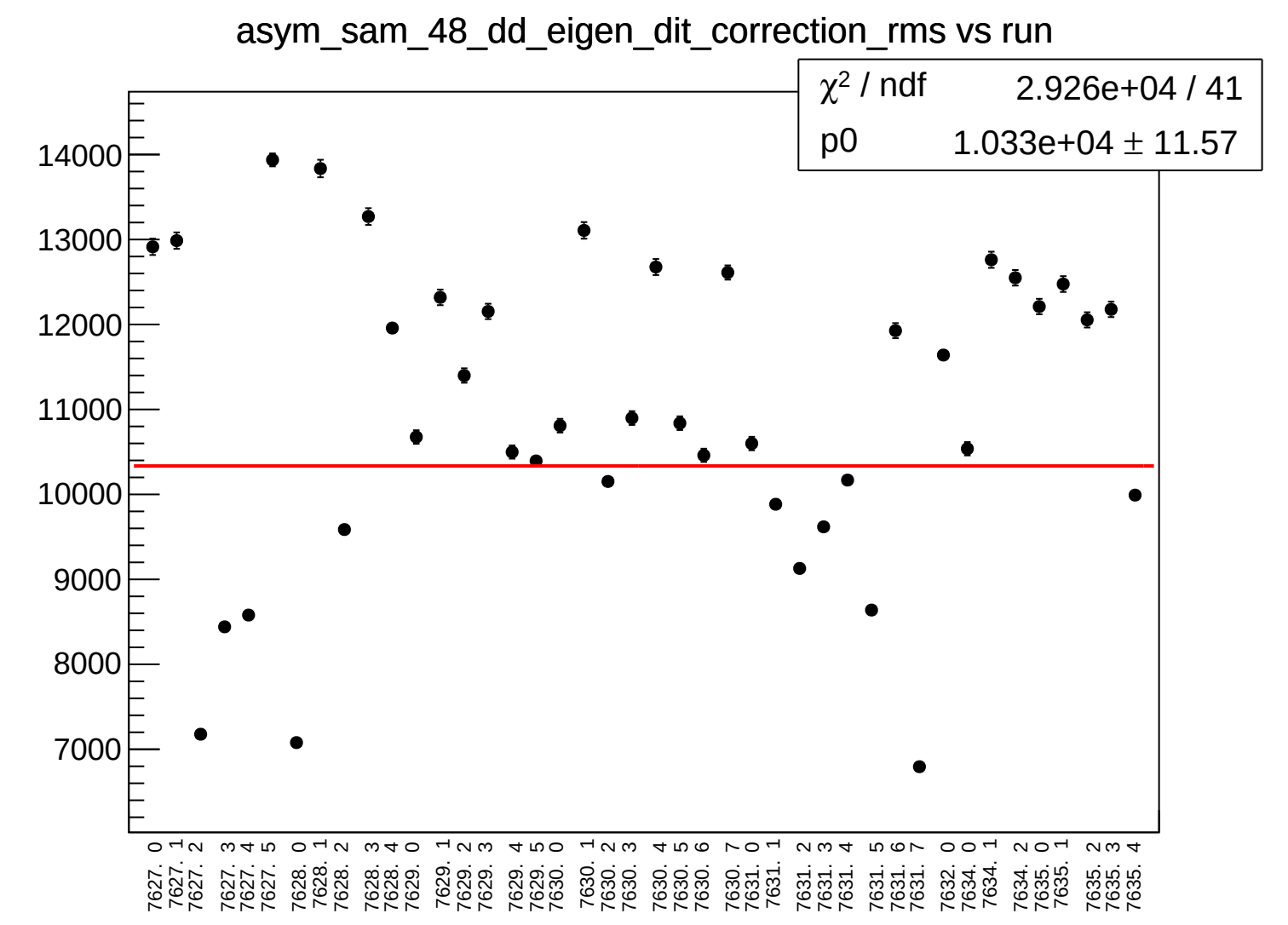

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 2.926e+04 / 41
p0 1.033e+04 ± 11.57
14000
13000
12000
11000
10000
9000
8000
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

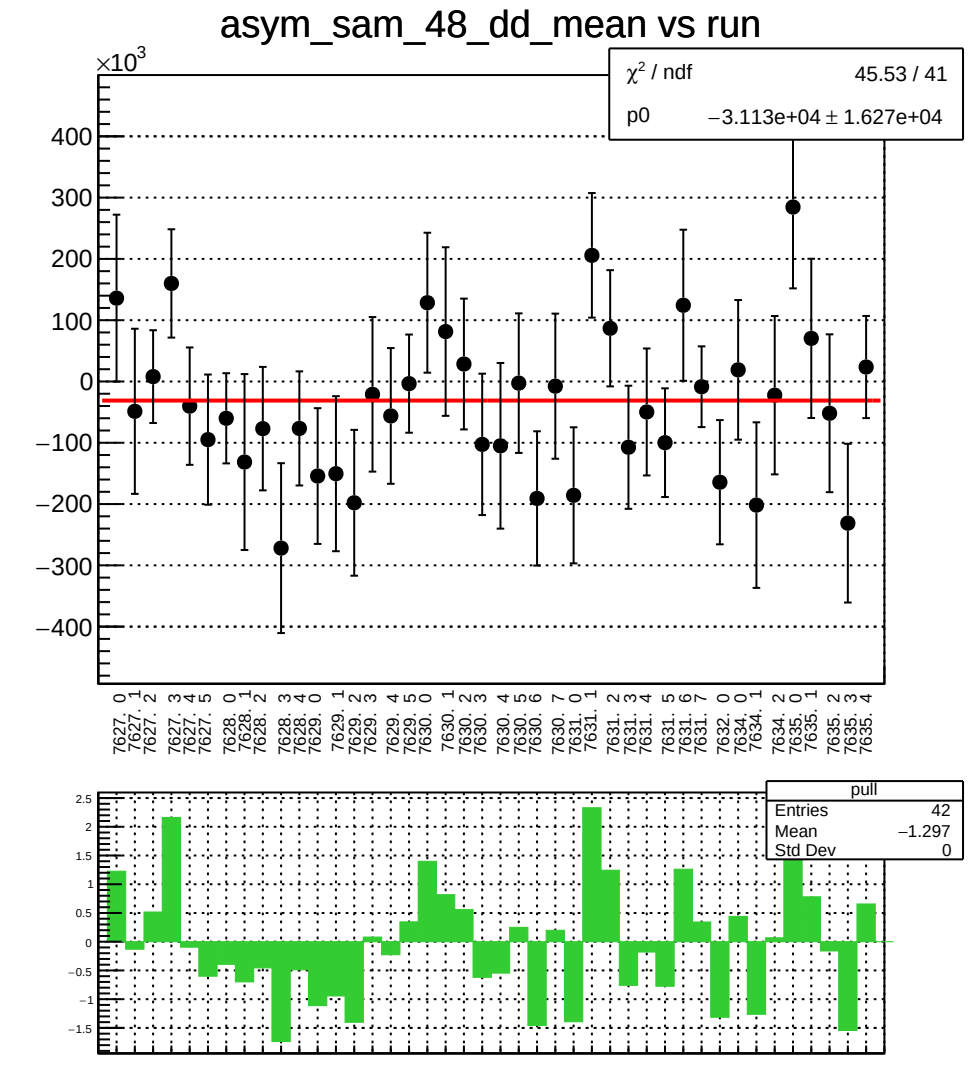

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 32.75 / 41
p0 168 ± 1210
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −52.45
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02229
Std Dev 0.8827
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

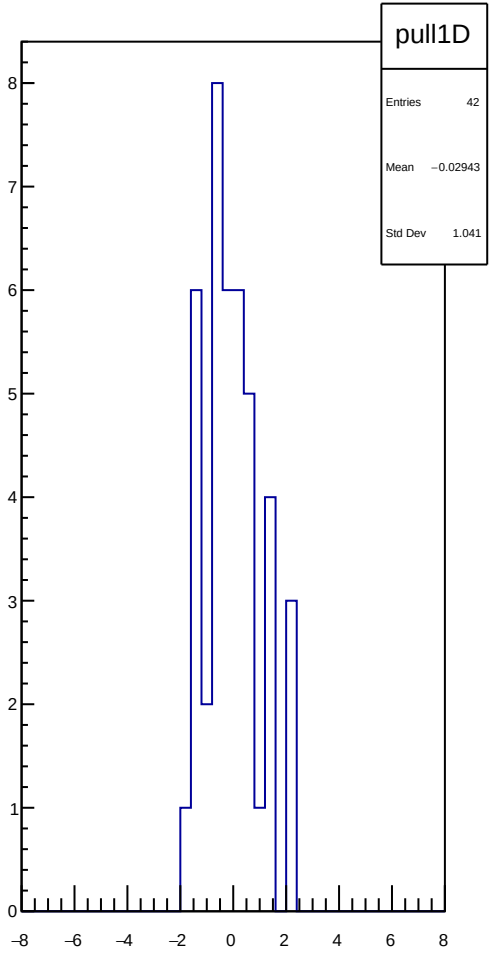

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 3.15e+04 / 41
p0 763.2 ± 0.8553
1200
1100
1000
900
800
700
600
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

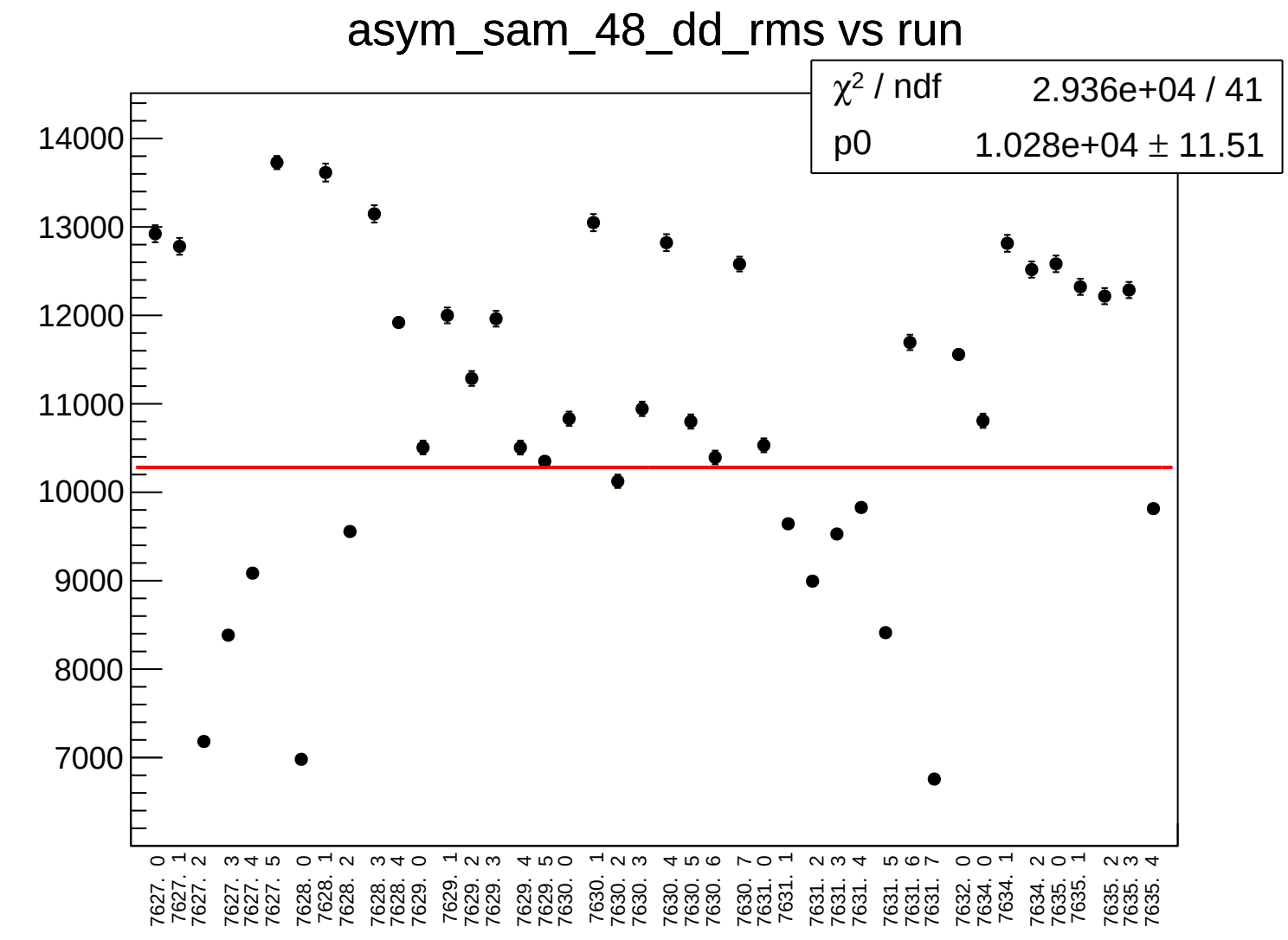

asym_sam_48_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.89 / 41
p0 3.102e+04 ± 1.636e+04
pull
Entries 42
Mean 2.714
Std Dev 0

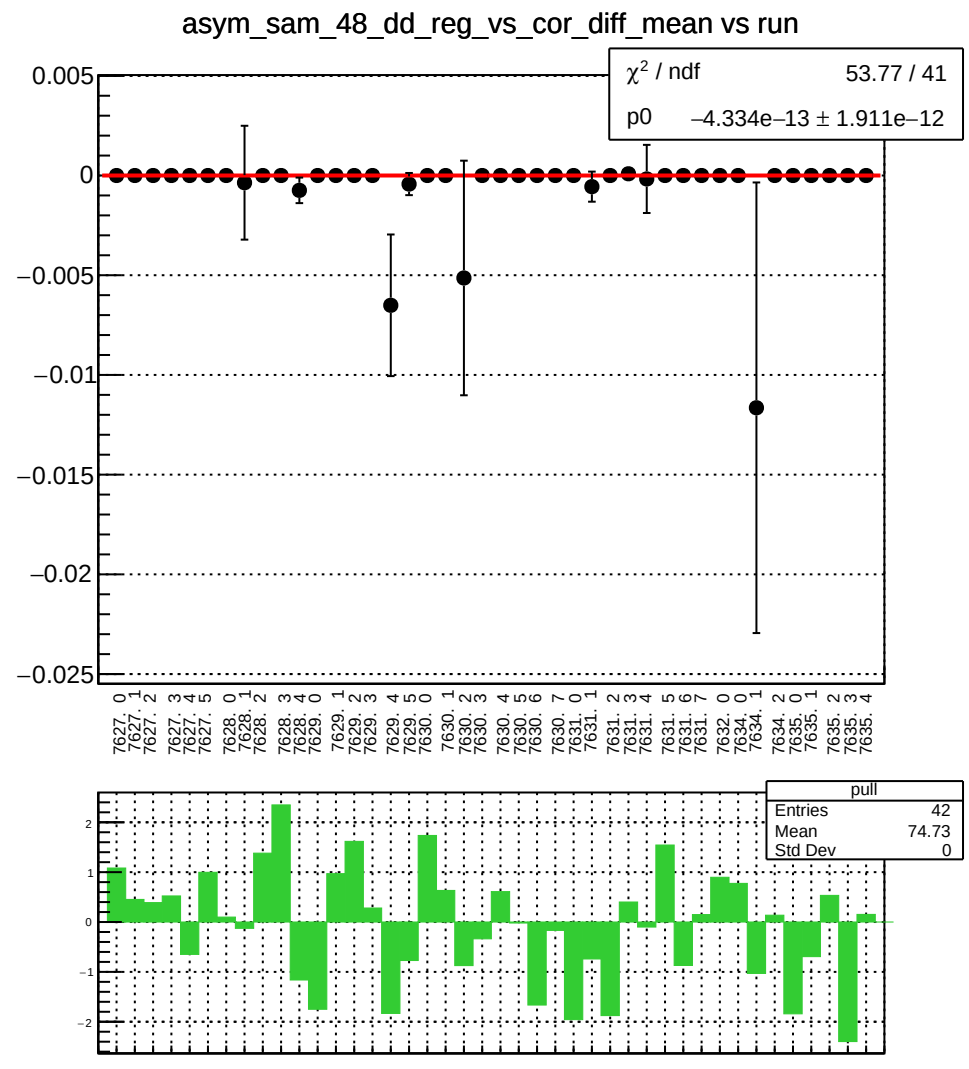

pull1D
Entries 42
Mean 0.02846
Std Dev 1.022

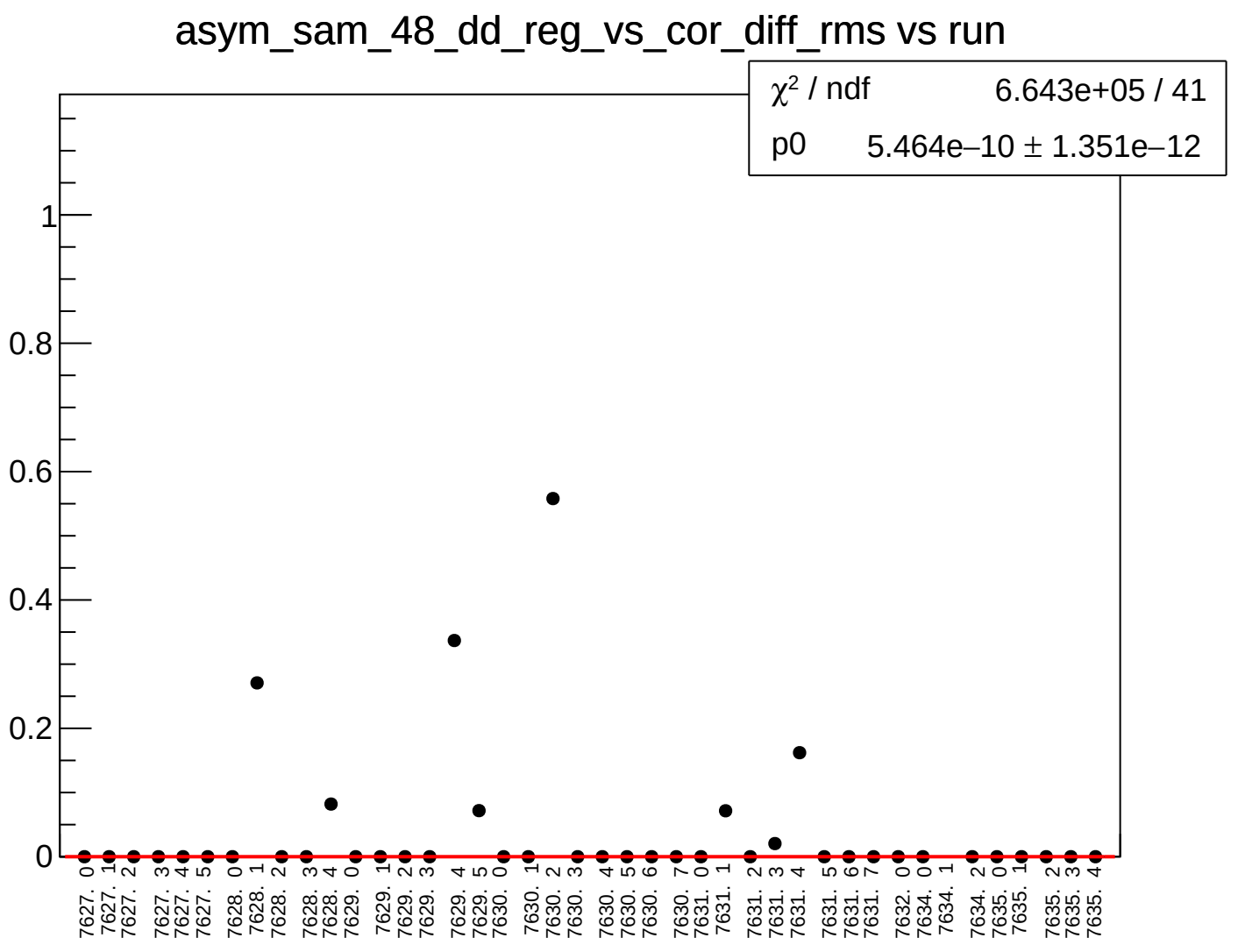

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.926e+04 / 41
p0 1.033e+04 ± 11.57
14000
13000
12000
11000
10000
9000
8000
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

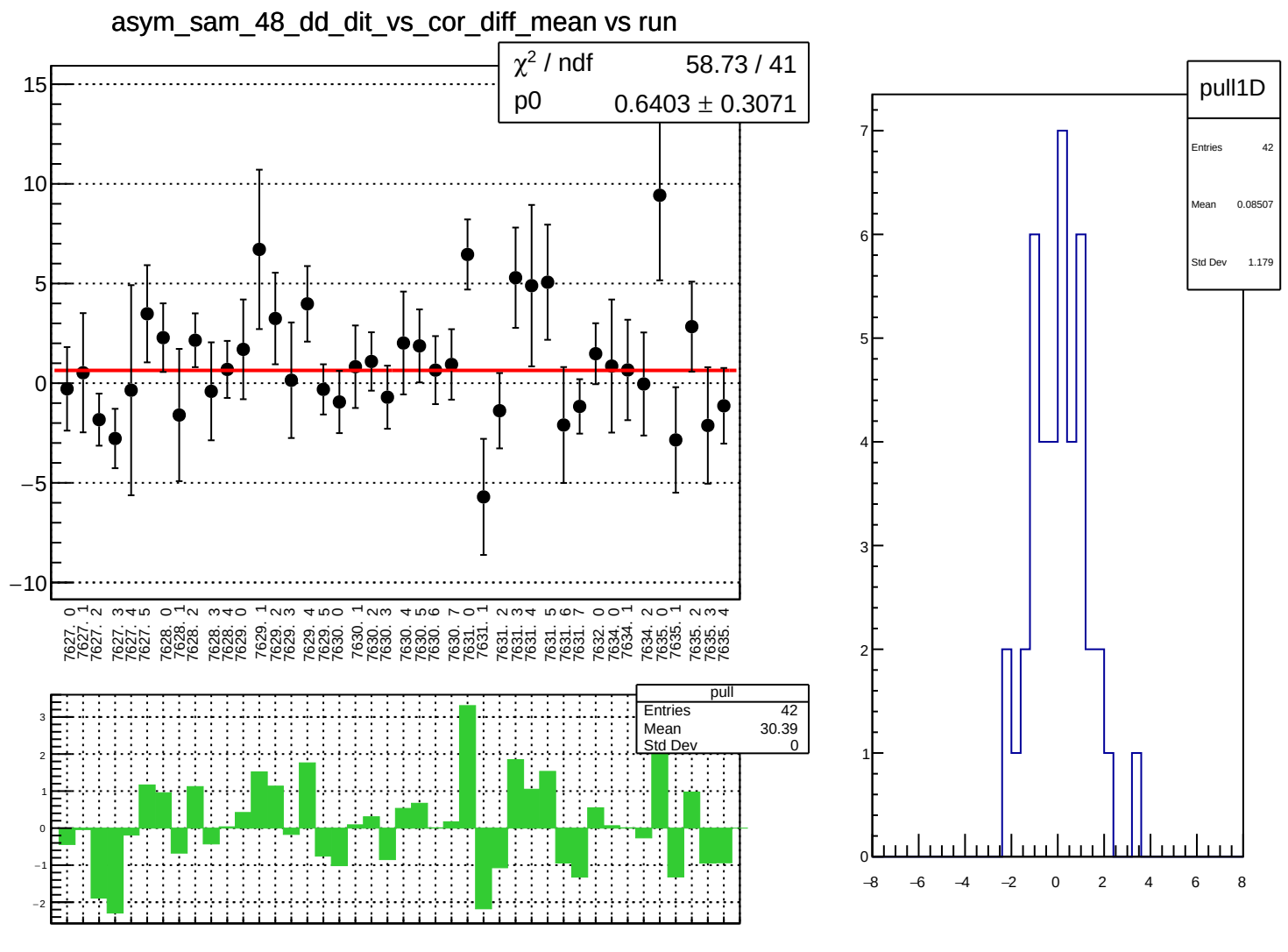

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 45.53 / 41
p0 −3.113e+04 ± 1.627e+04
400
300
200
100
0
−100
−200
−300
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1.297
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

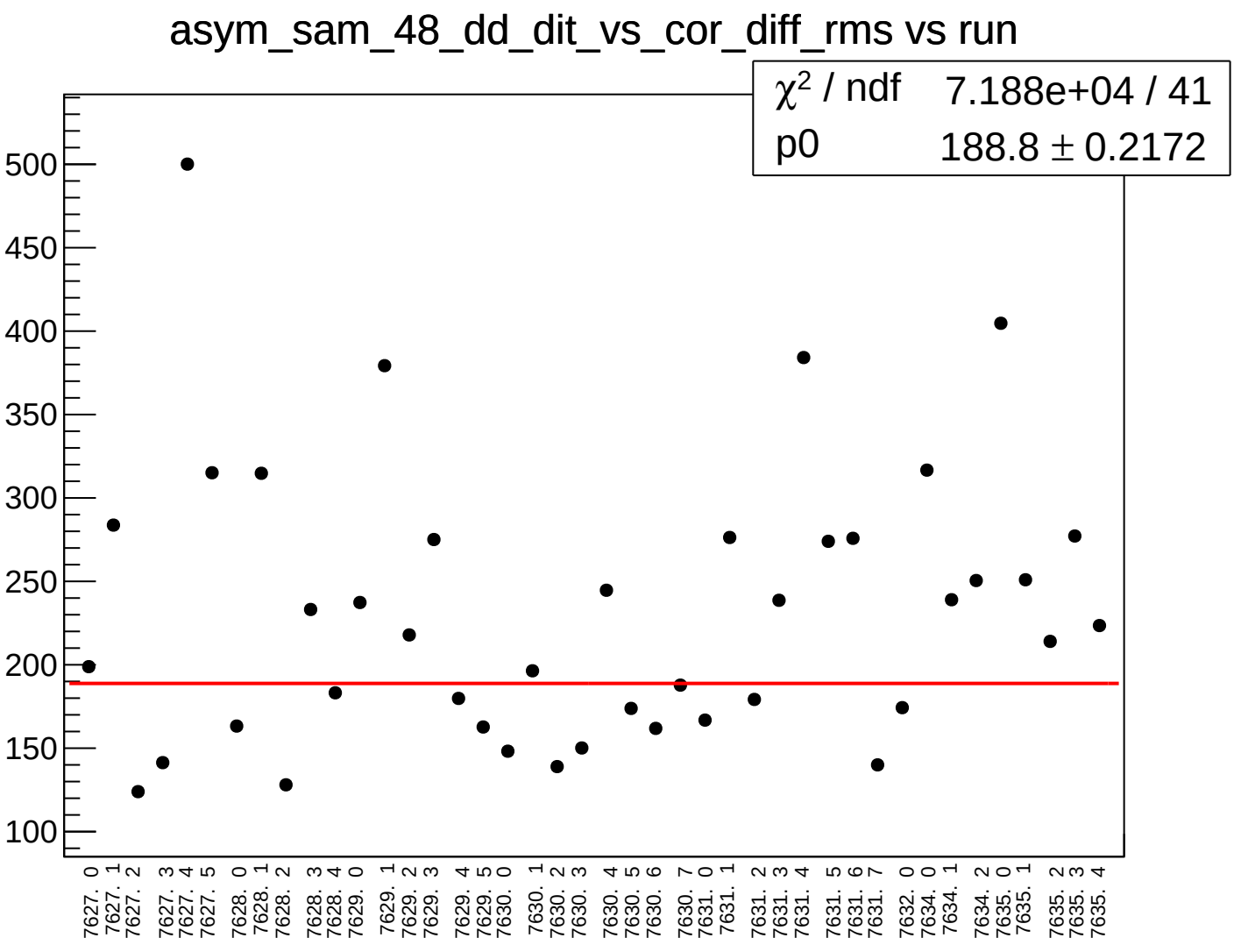

pull1D
Entries 42
Mean −0.02943
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

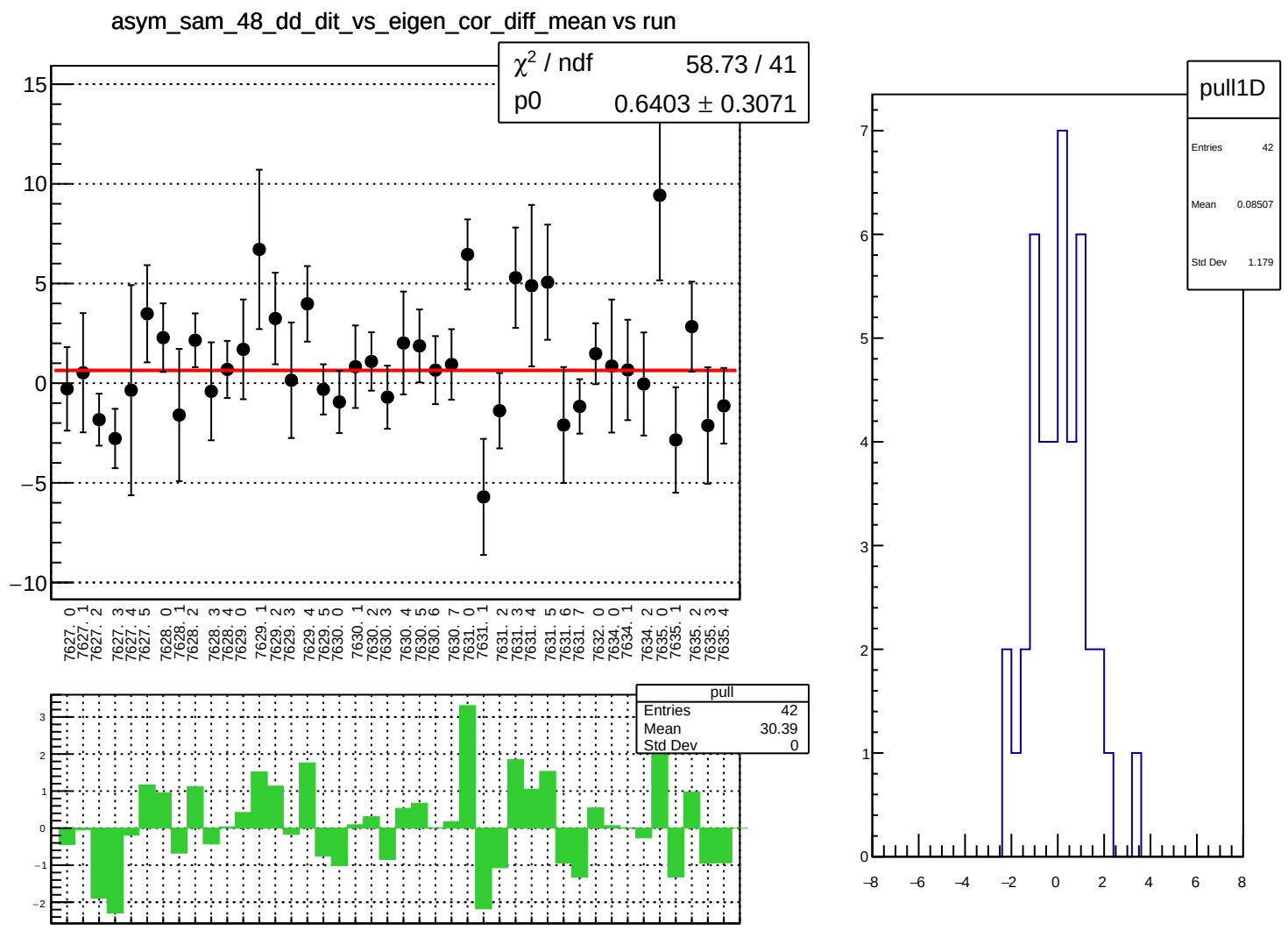

asym_sam_48_dd_rms vs run
χ² / ndf 2.936e+04 / 41
p0 1.028e+04 ± 11.51
14000
13000
12000
11000
10000
9000
8000
7000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

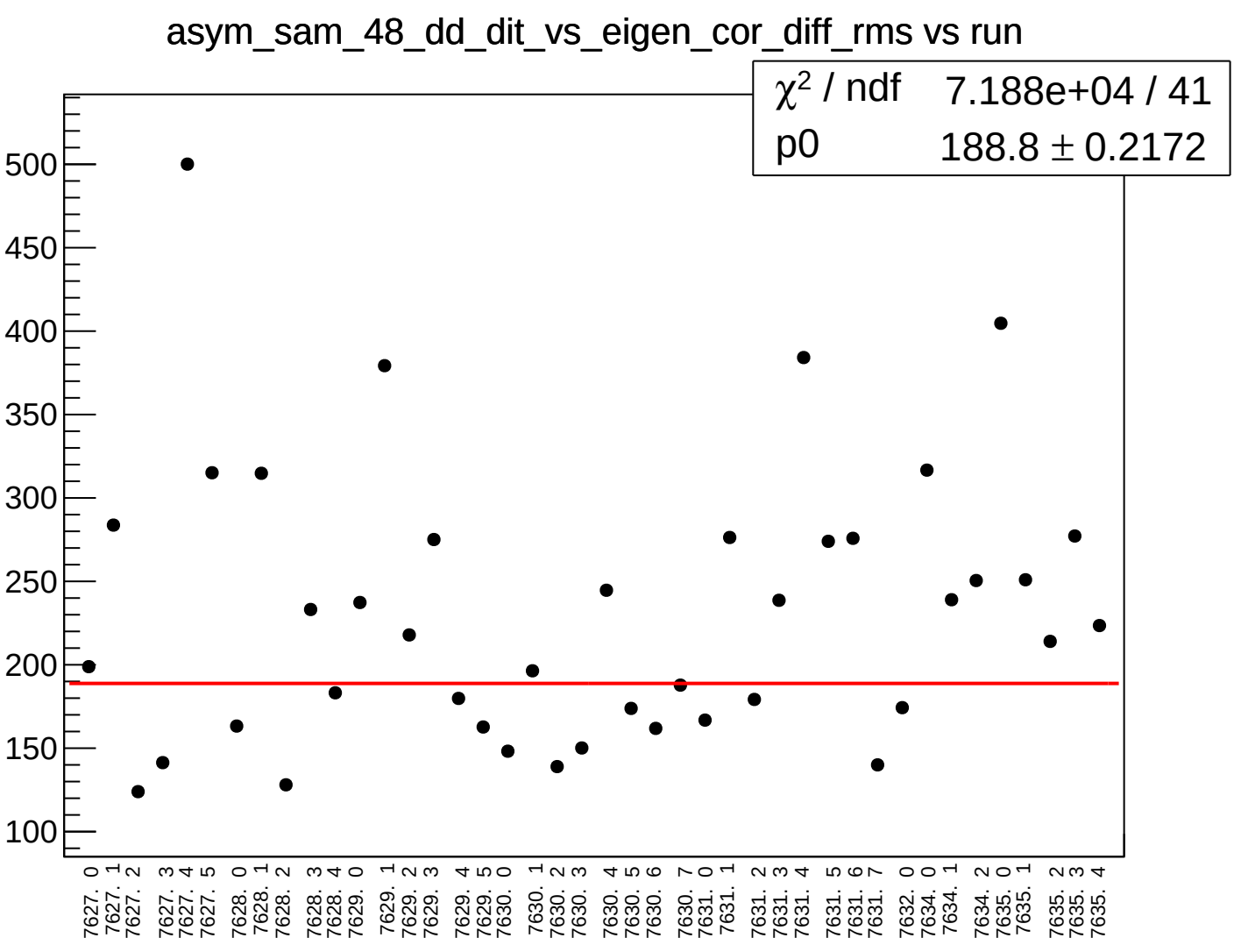

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53.77 / 41
p0 −4.334e−13 ± 1.911e−12
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 74.73
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.0752
Std Dev 1.129
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

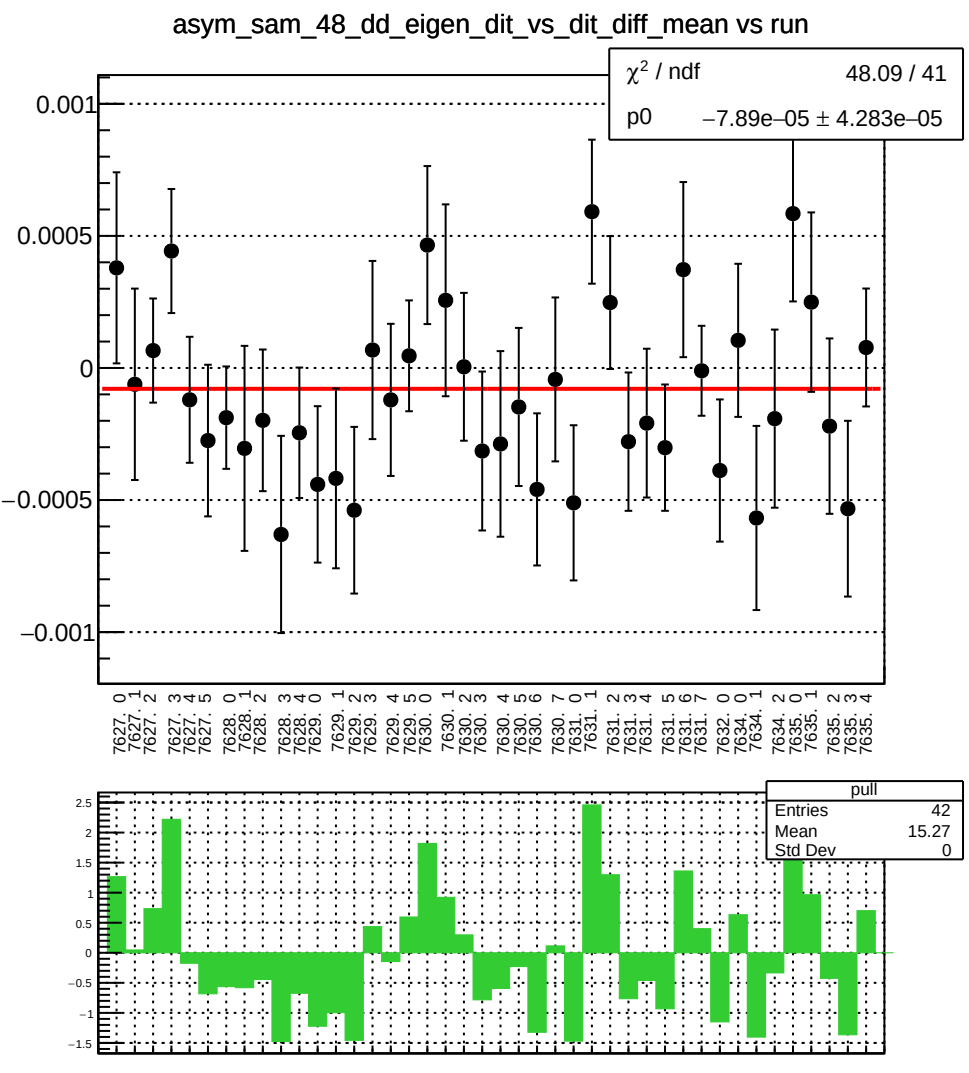

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.643e+05 / 41
p0 5.464e−10 ± 1.351e−12
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

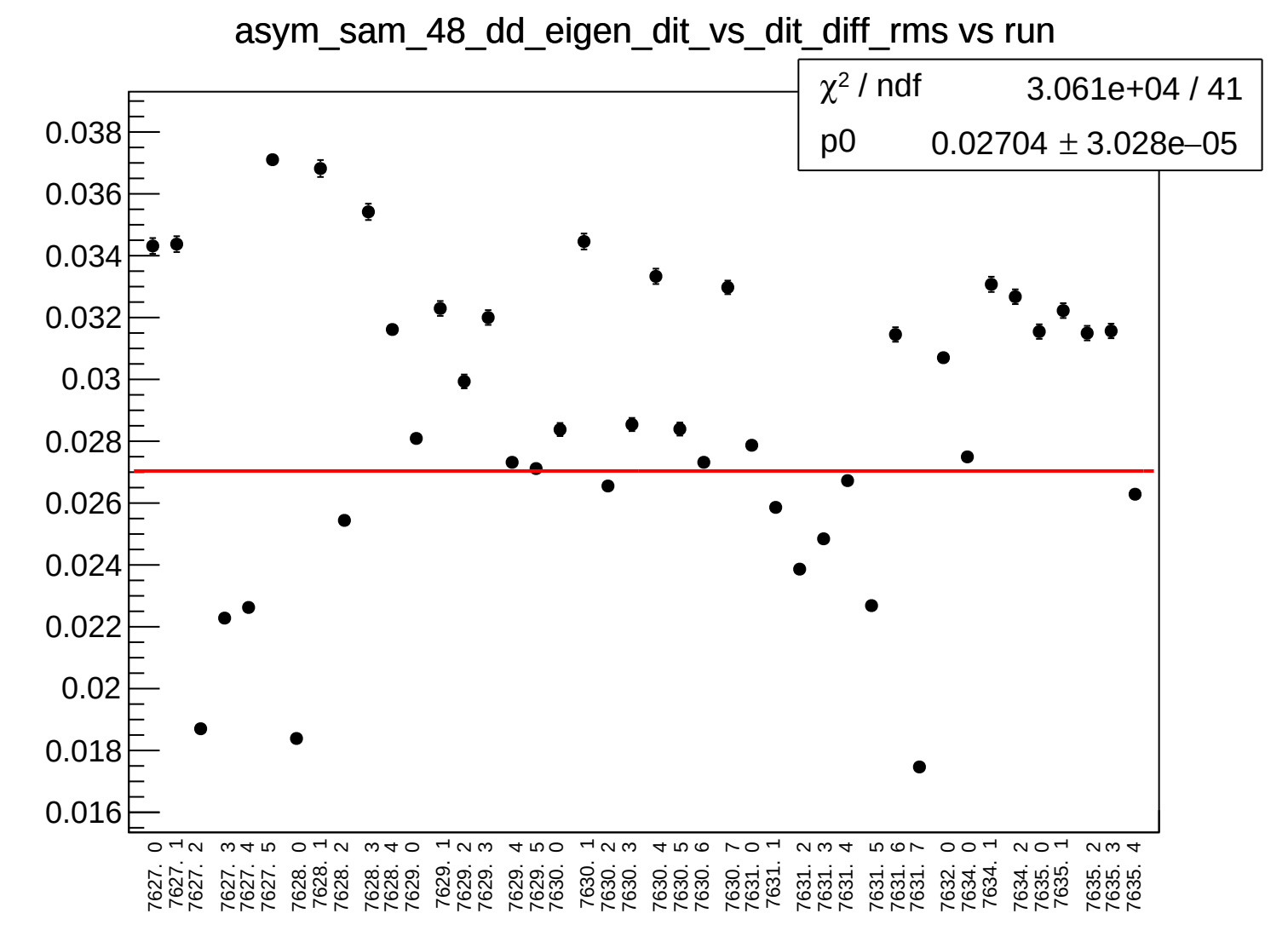

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58.73 / 41
p0 0.6403 ± 0.3071
pull
Entries 42
Mean 30.39
Std Dev 0
pull1D
Entries 42
Mean 0.08507
Std Dev 1.179

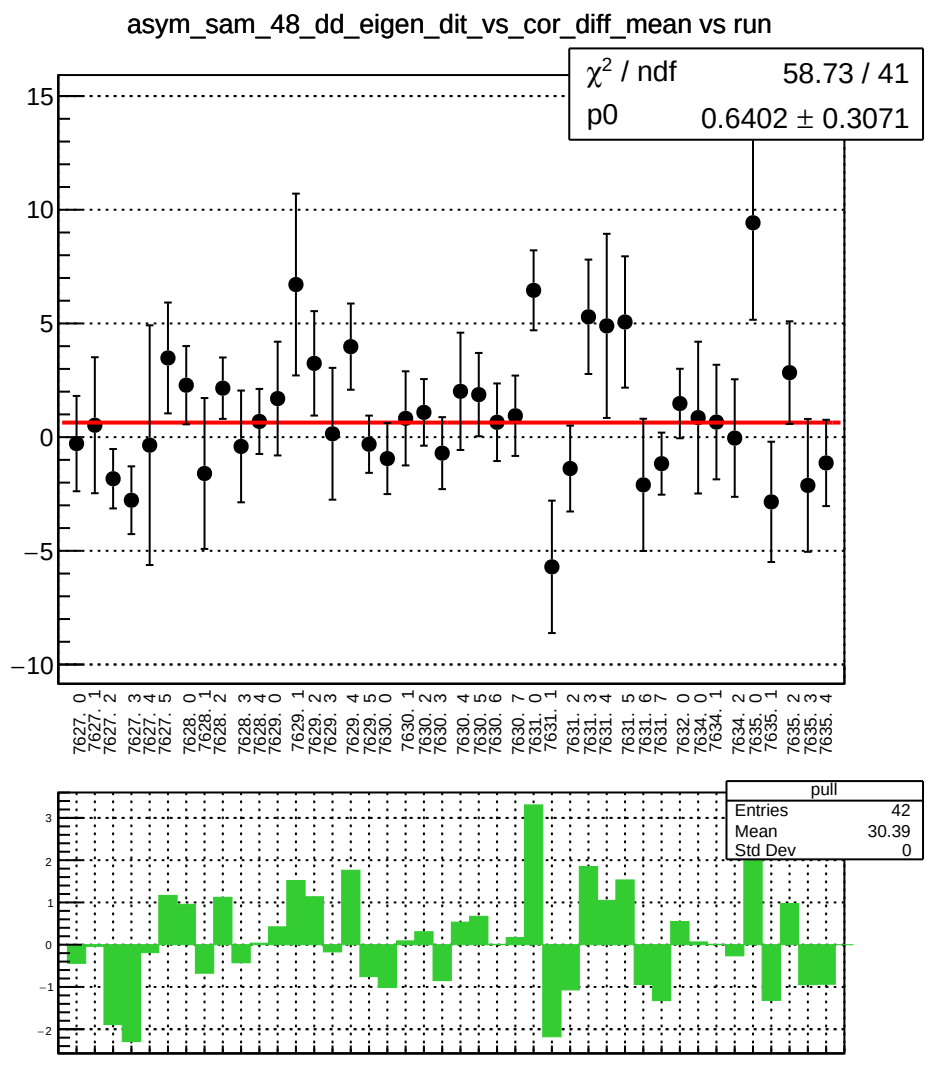

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.188e+04 / 41
p0 188.8 ± 0.2172
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

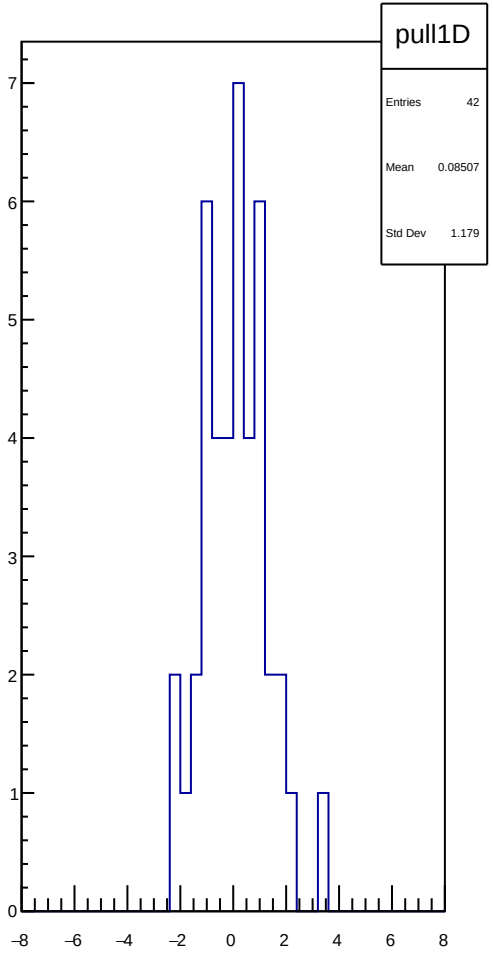

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.73 / 41
p0 0.6403 ± 0.3071
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 30.39
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.08507
Std Dev 1.179
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

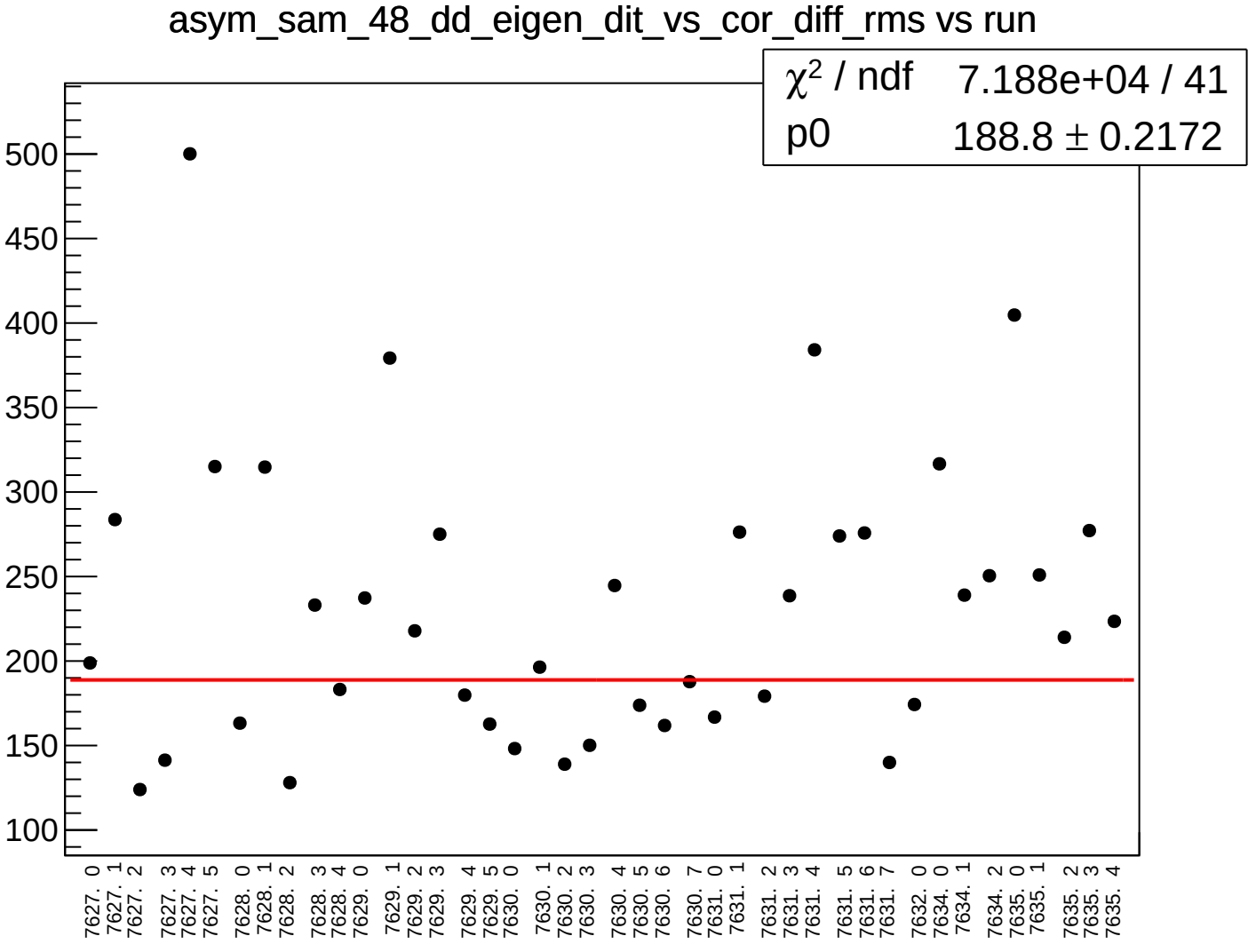

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.188e+04 / 41
p0 188.8 ± 0.2172
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

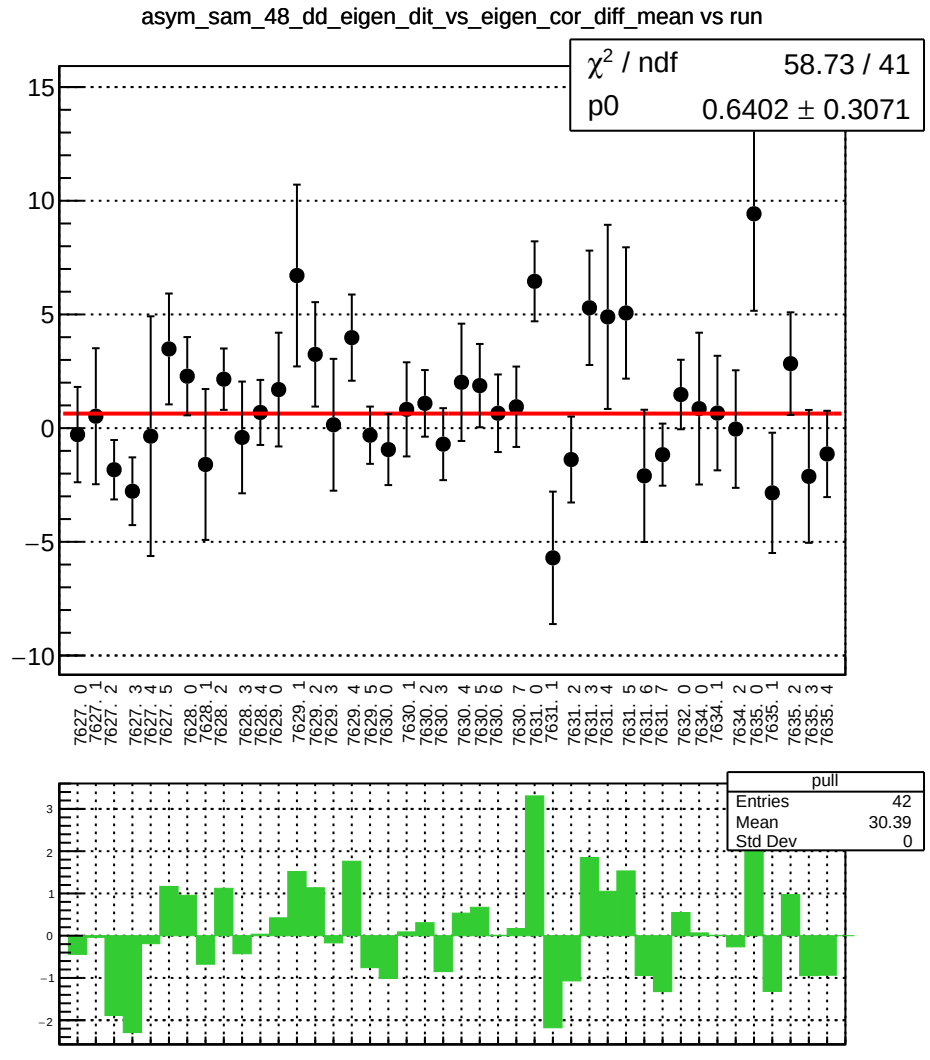

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 48.09 / 41
p0 −7.89e−05 ± 4.283e−05
0.001
0.0005
0
−0.0005
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.27
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03288
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

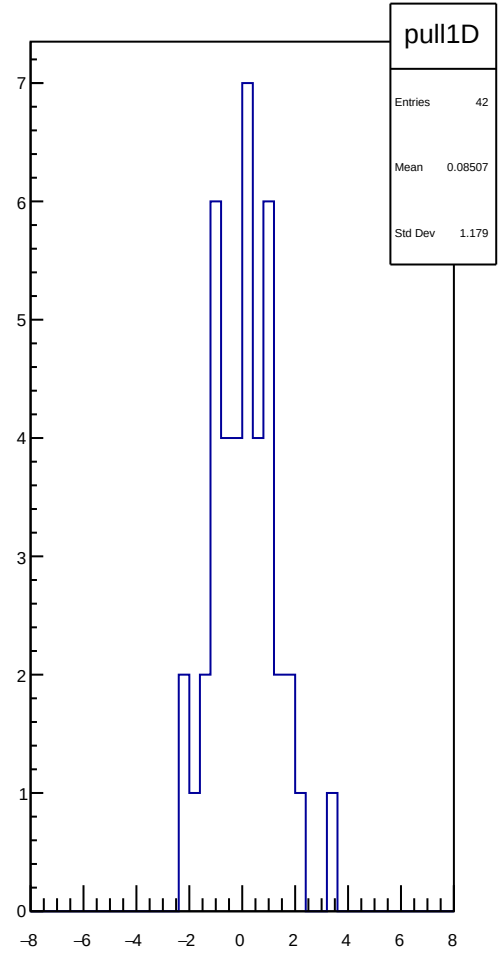

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.061e+04 / 41
p0 0.02704 ± 3.028e−05
0.038
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

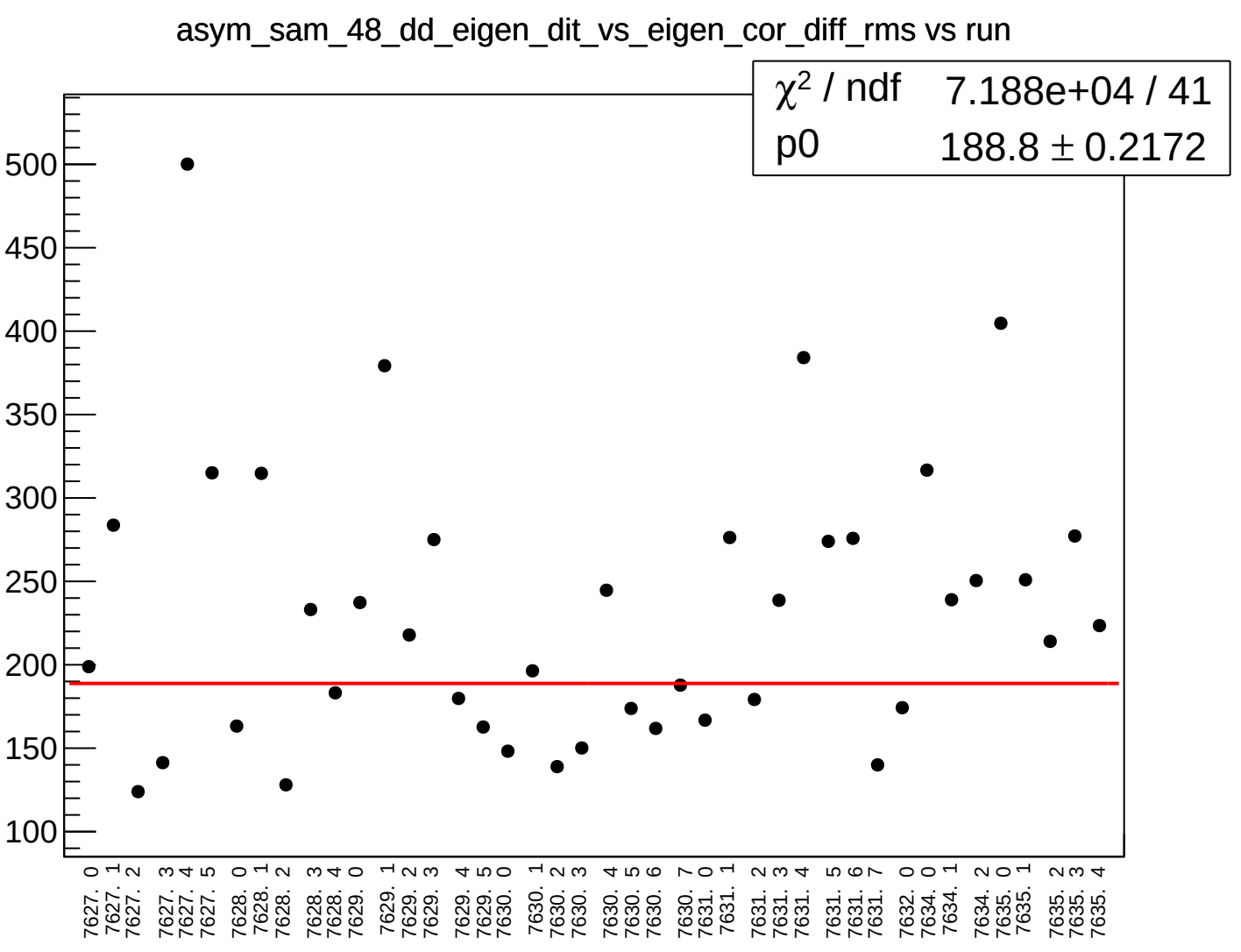

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.73 / 41
p0 0.6402 ± 0.3071
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 30.39
Std Dev 0
3
2
1
0
−1
−2

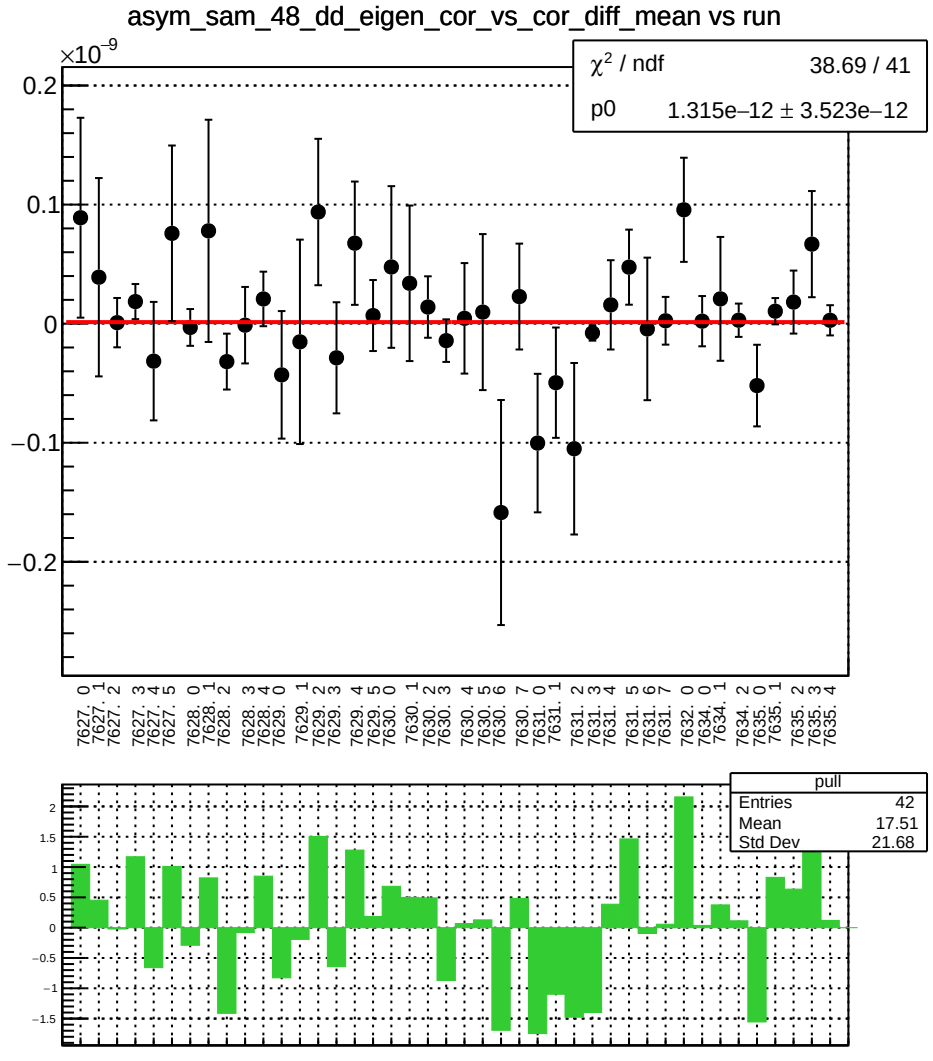

pull1D
Entries 42
Mean 0.08507
Std Dev 1.179
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

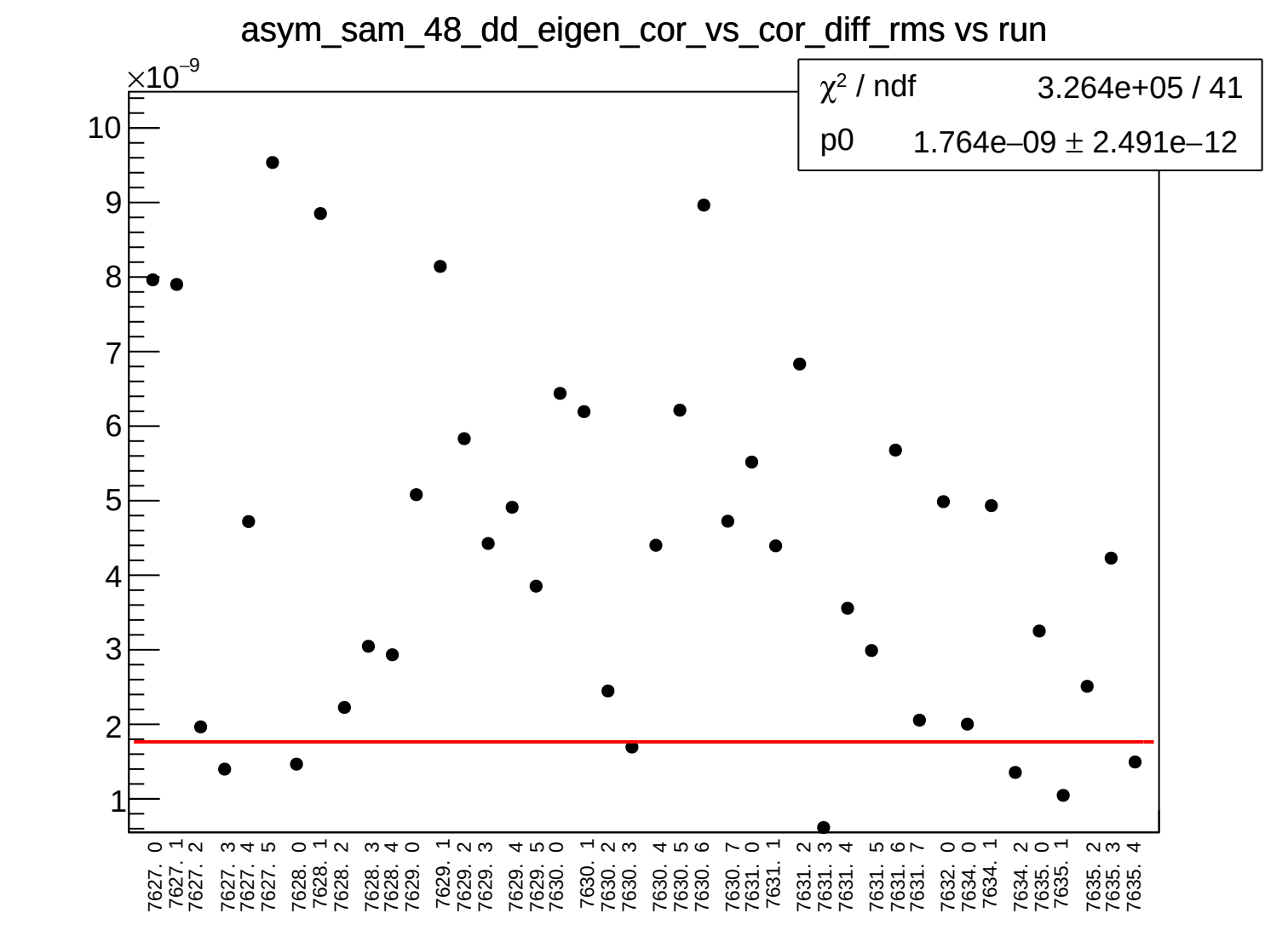

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.188e+04 / 41
p0 188.8 ± 0.2172
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

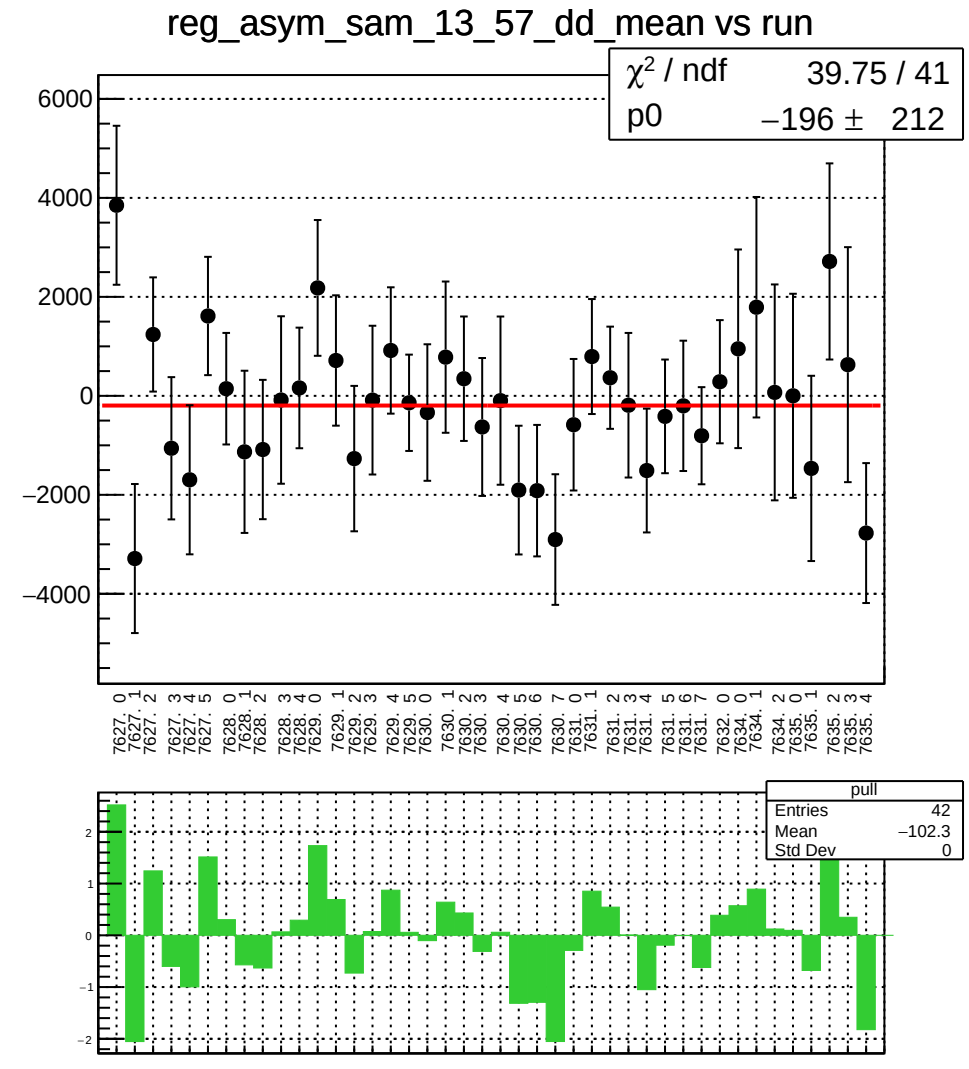

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.73 / 41
p0 0.6402 ± 0.3071
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 30.39
Std Dev 0
3
2
1
0
−1
−2

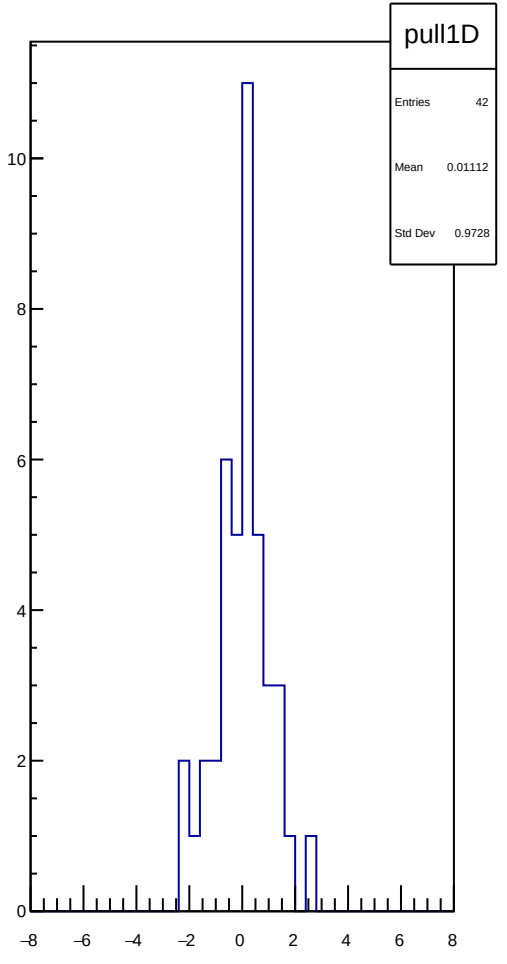

pull1D
Entries 42
Mean 0.08507
Std Dev 1.179
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

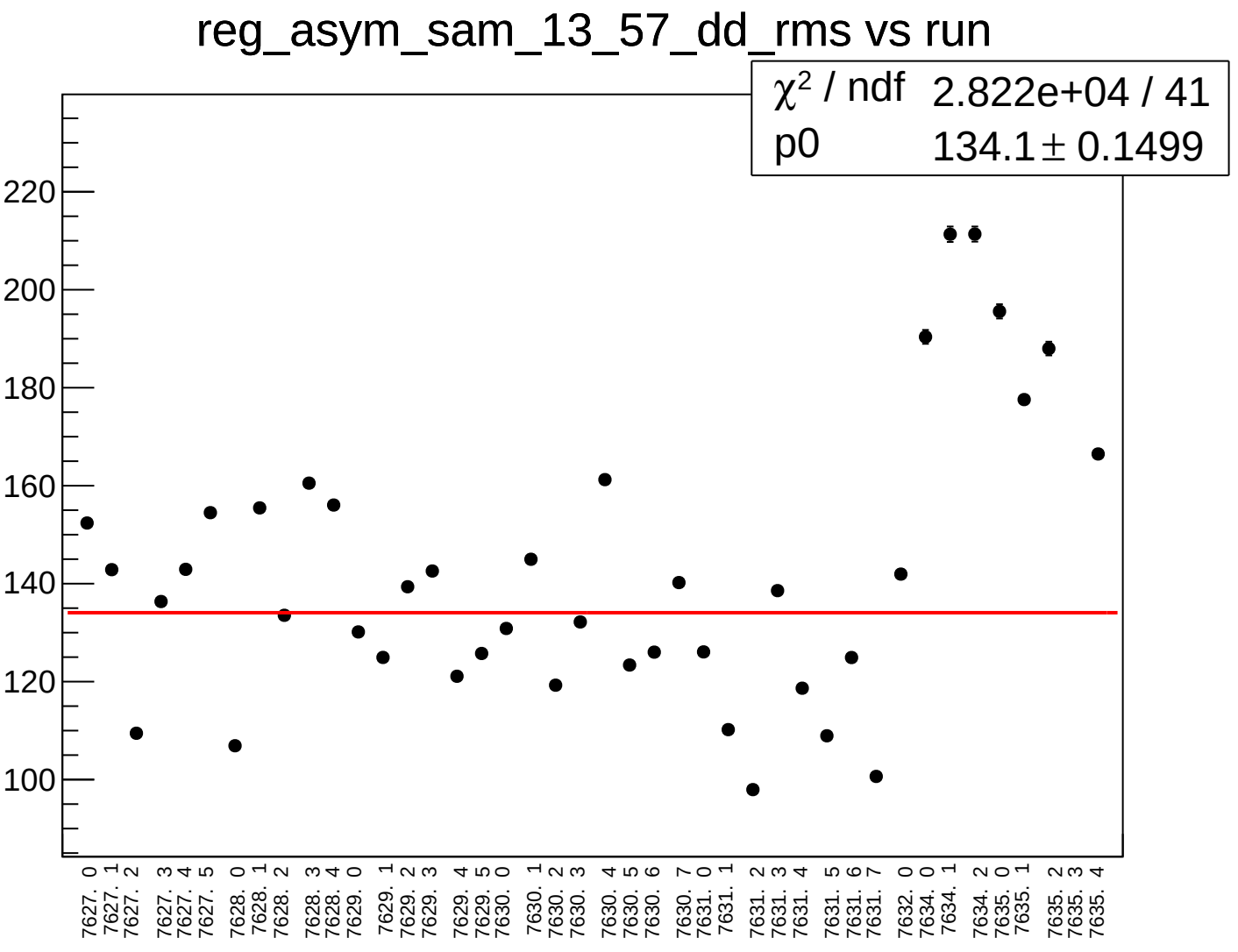

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.188e+04 / 41
p0 188.8 ± 0.2172
500
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

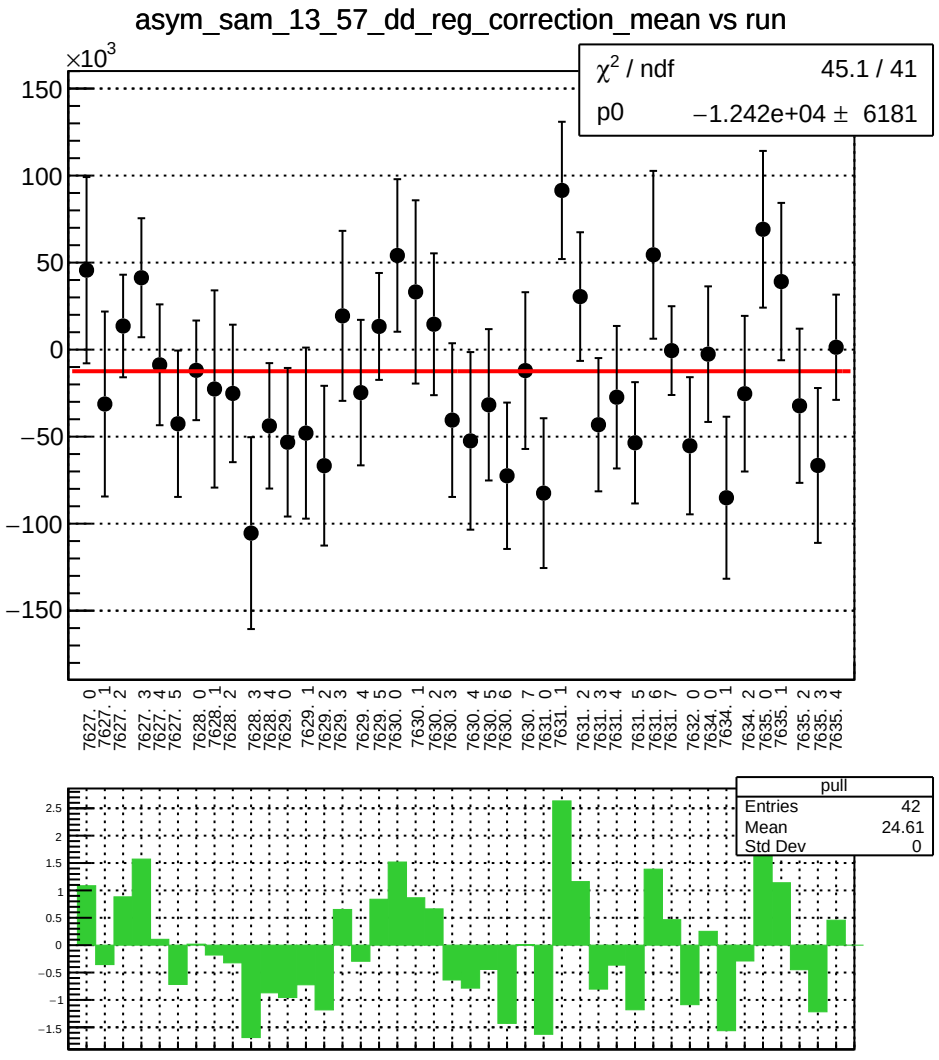

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 38.69 / 41
p0 1.315e−12 ± 3.523e−12
0.2
0.1
0
−0.1
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.51
Std Dev 21.68
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.1012
Std Dev 0.9545
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

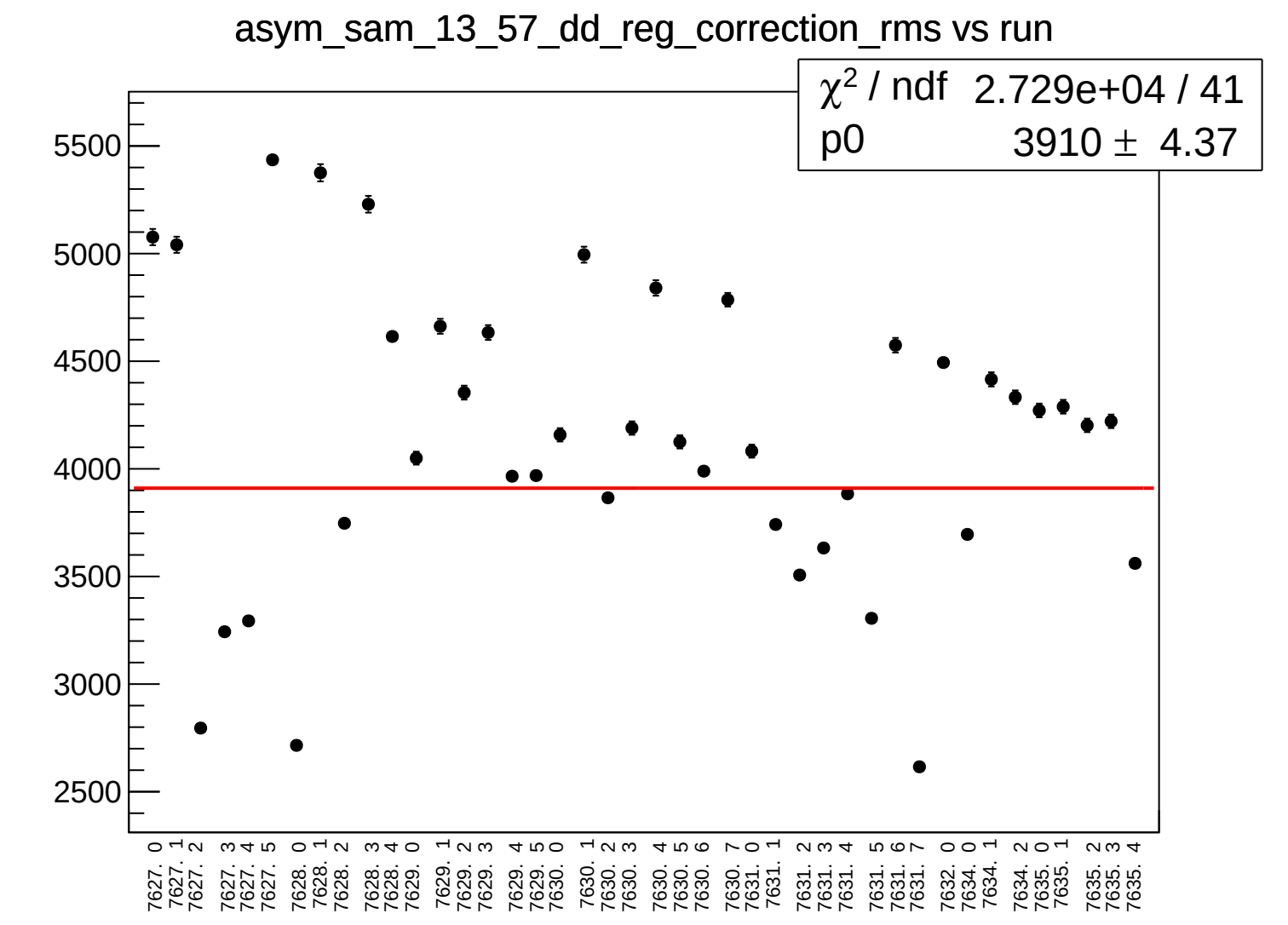

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.264e+05 / 41
p0 1.764e−09 ± 2.491e−12
10
9
8
7
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

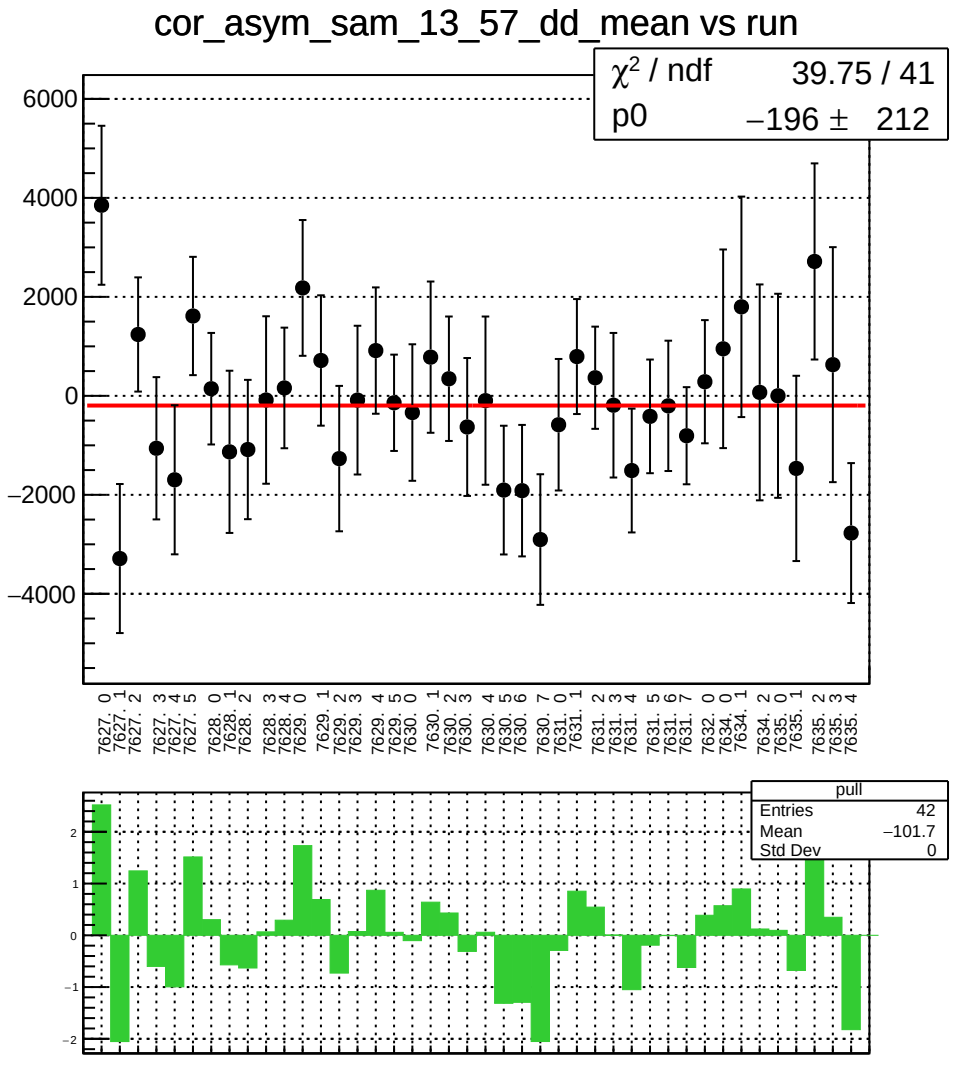

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 39.75 / 41
p0 −196 ± 212
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −102.3
Std Dev 0
2
1
0
−1
−2

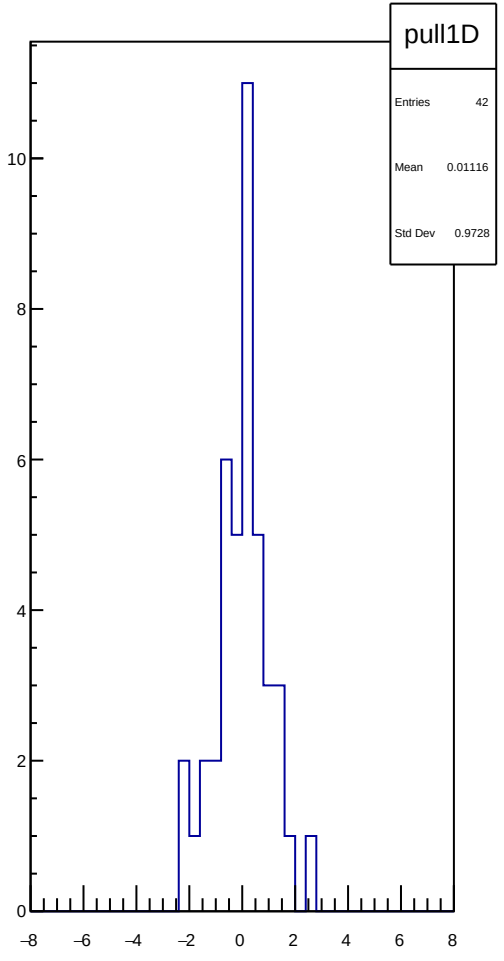

pull1D
Entries 42
Mean 0.01112
Std Dev 0.9728
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

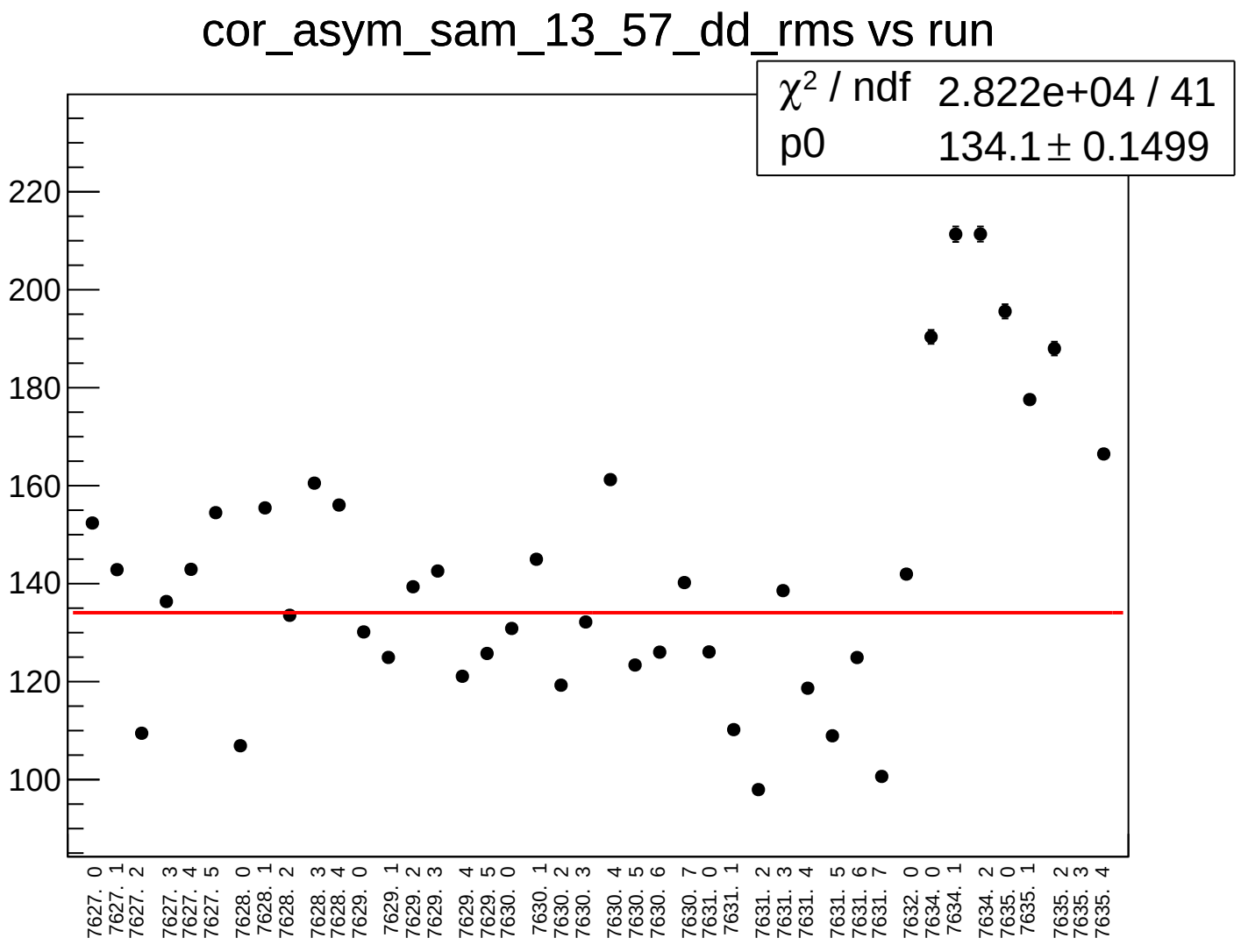

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.822e+04 / 41
p0 134.1 ± 0.1499
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_13_57_dd_reg_correction_mean vs run
×10^3
χ² / ndf 45.1 / 41
p0 −1.242e+04 ± 6181
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 24.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03904
Std Dev 1.035
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 2.729e+04 / 41
p0 3910 ± 4.37
5500
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 39.75 / 41
p0 −196 ± 212
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −101.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.01116
Std Dev 0.9728
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.822e+04 / 41
p0 134.1 ± 0.1499
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
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7629. 4
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7630. 1
7630. 2
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7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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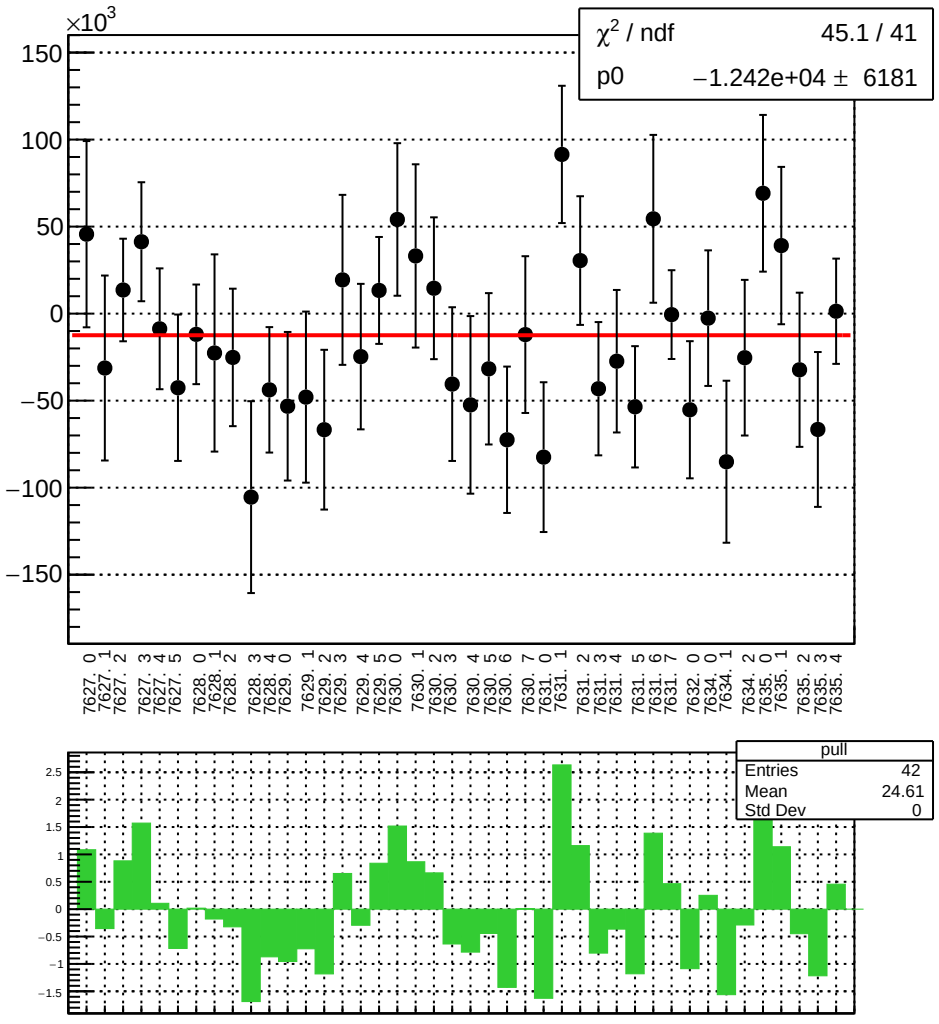
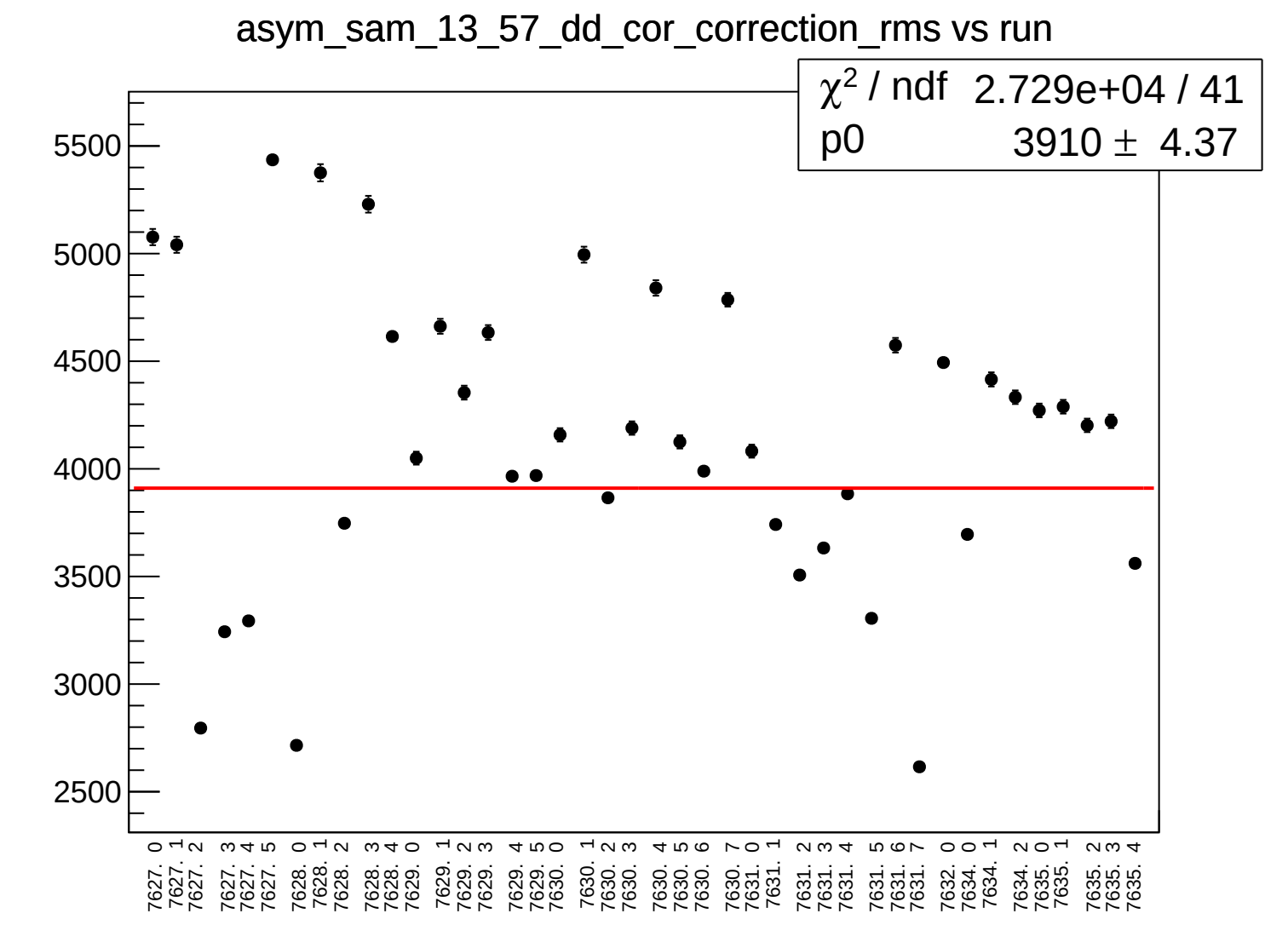
7635. 4


asym_sam_13_57_dd_cor_correction_mean vs run
×10^3
χ² / ndf 45.1 / 41
p0 −1.242e+04 ± 6181
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 24.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03904
Std Dev 1.035
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 2.729e+04 / 41
p0 3910 ± 4.37
5500
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 7
7631. 0
7631. 1
7631. 2
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7631. 4
7631. 5
7631. 6
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7634. 1
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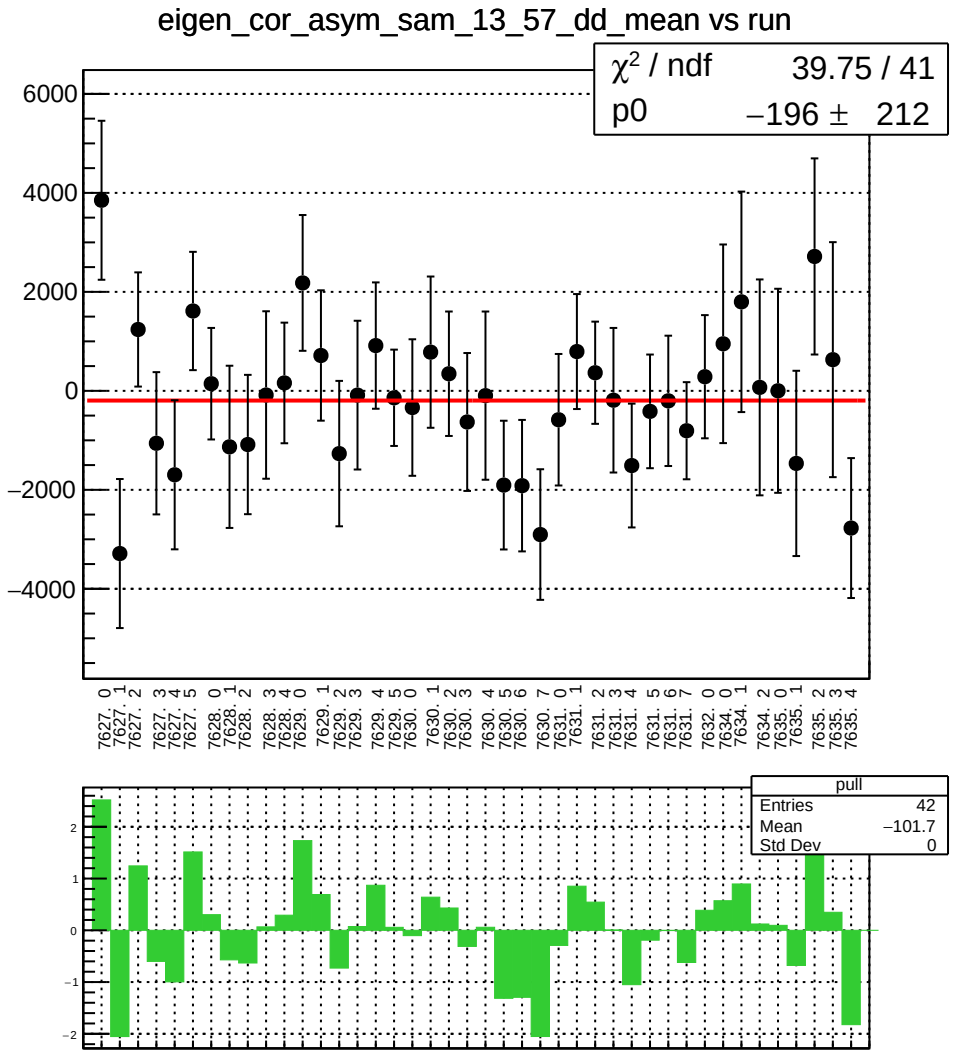
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 39.75 / 41
p0 −196 ± 212
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 1
7630. 2
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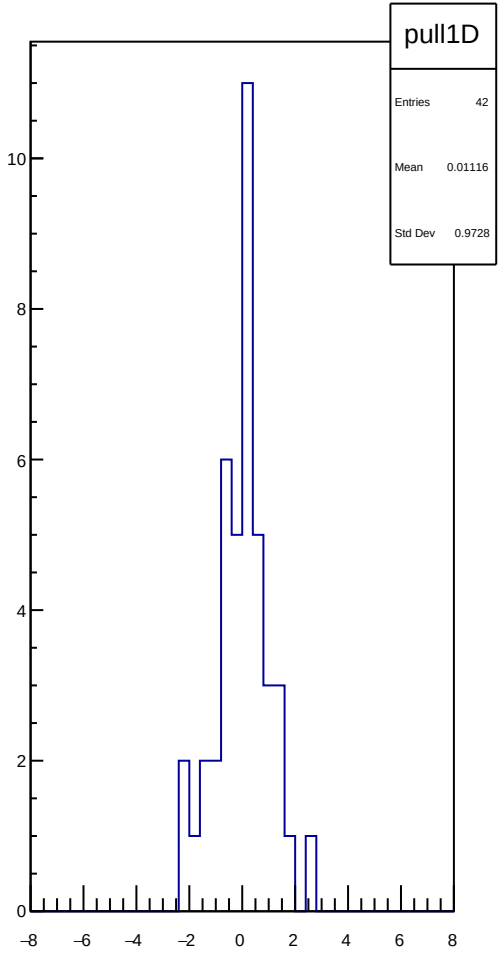
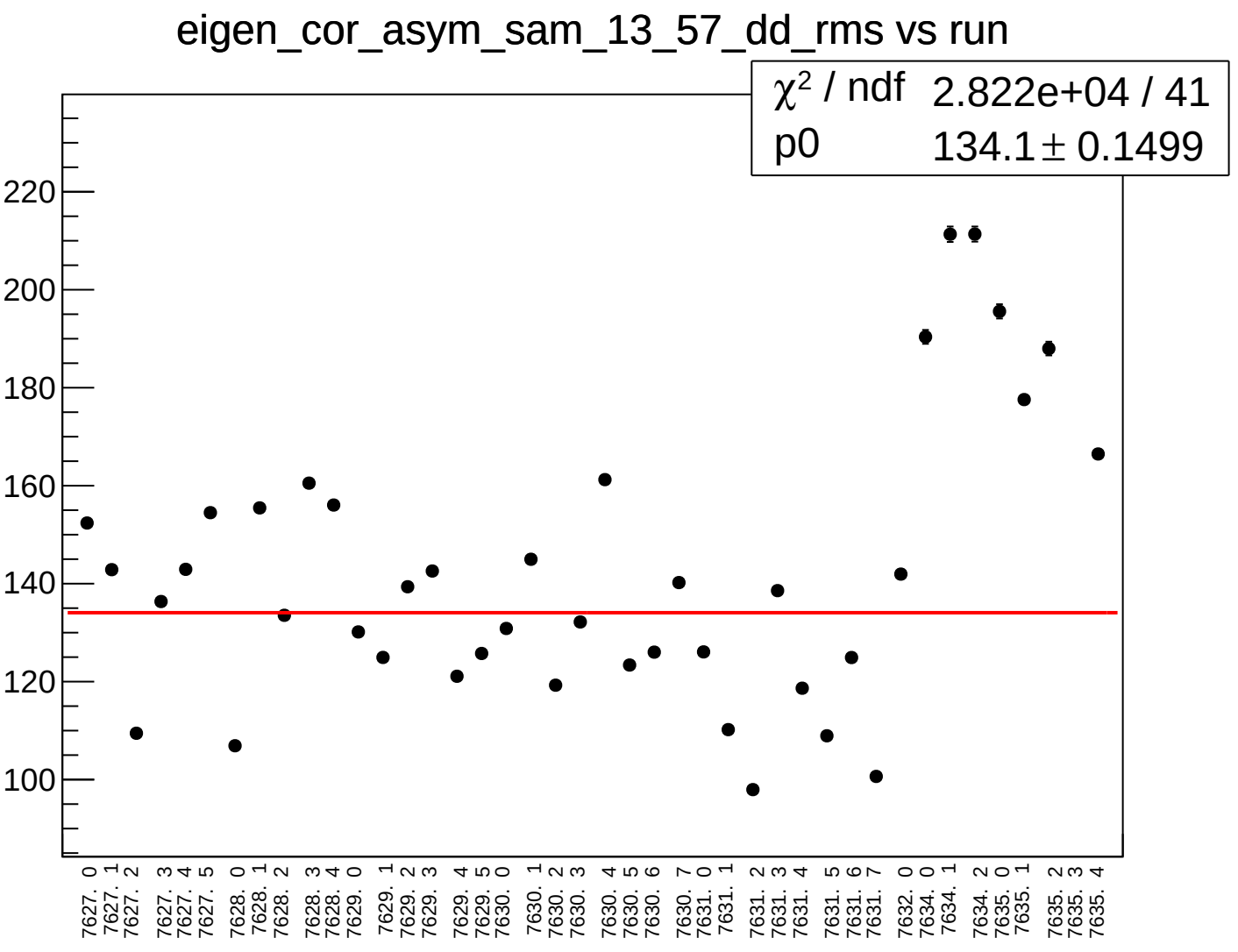
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −101.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.01116
Std Dev 0.9728
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.822e+04 / 41
p0 134.1 ± 0.1499
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
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7631. 6
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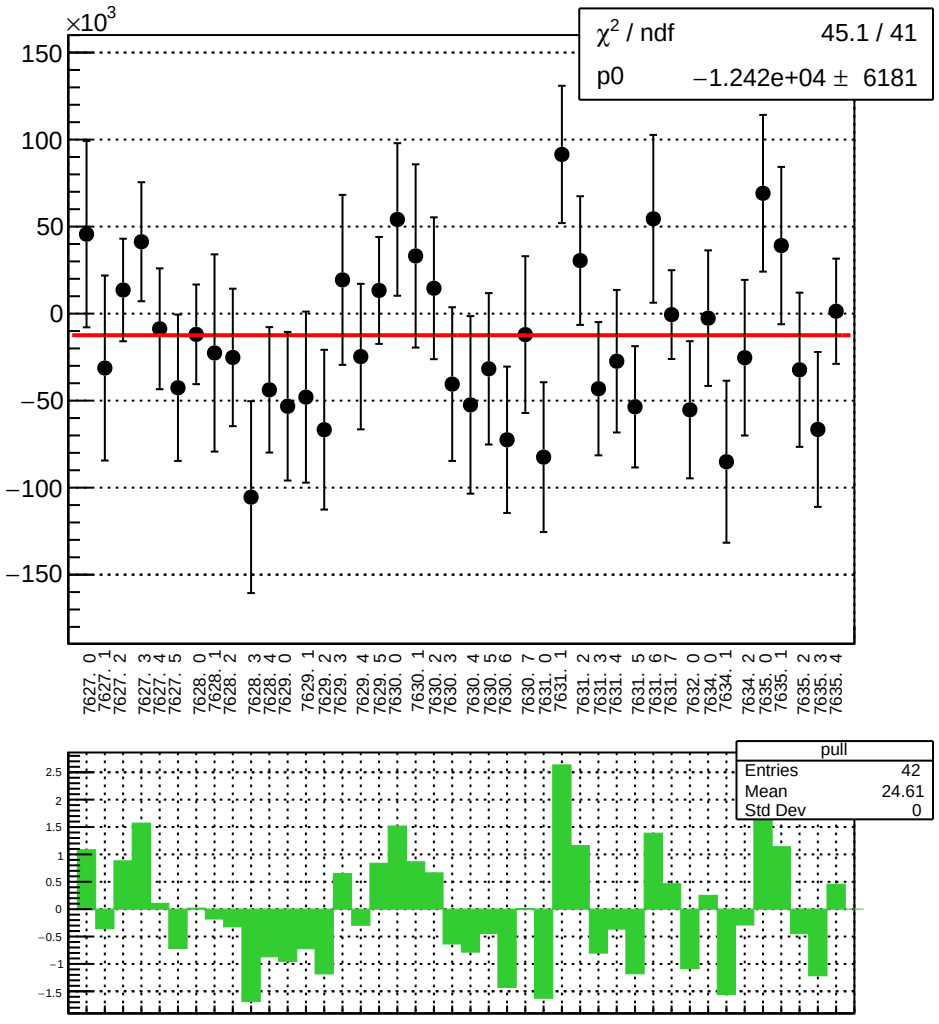
asym_sam_13_57_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 45.1 / 41
p0 −1.242e+04 ± 6181
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 7
7631. 0
7631. 1
7631. 2
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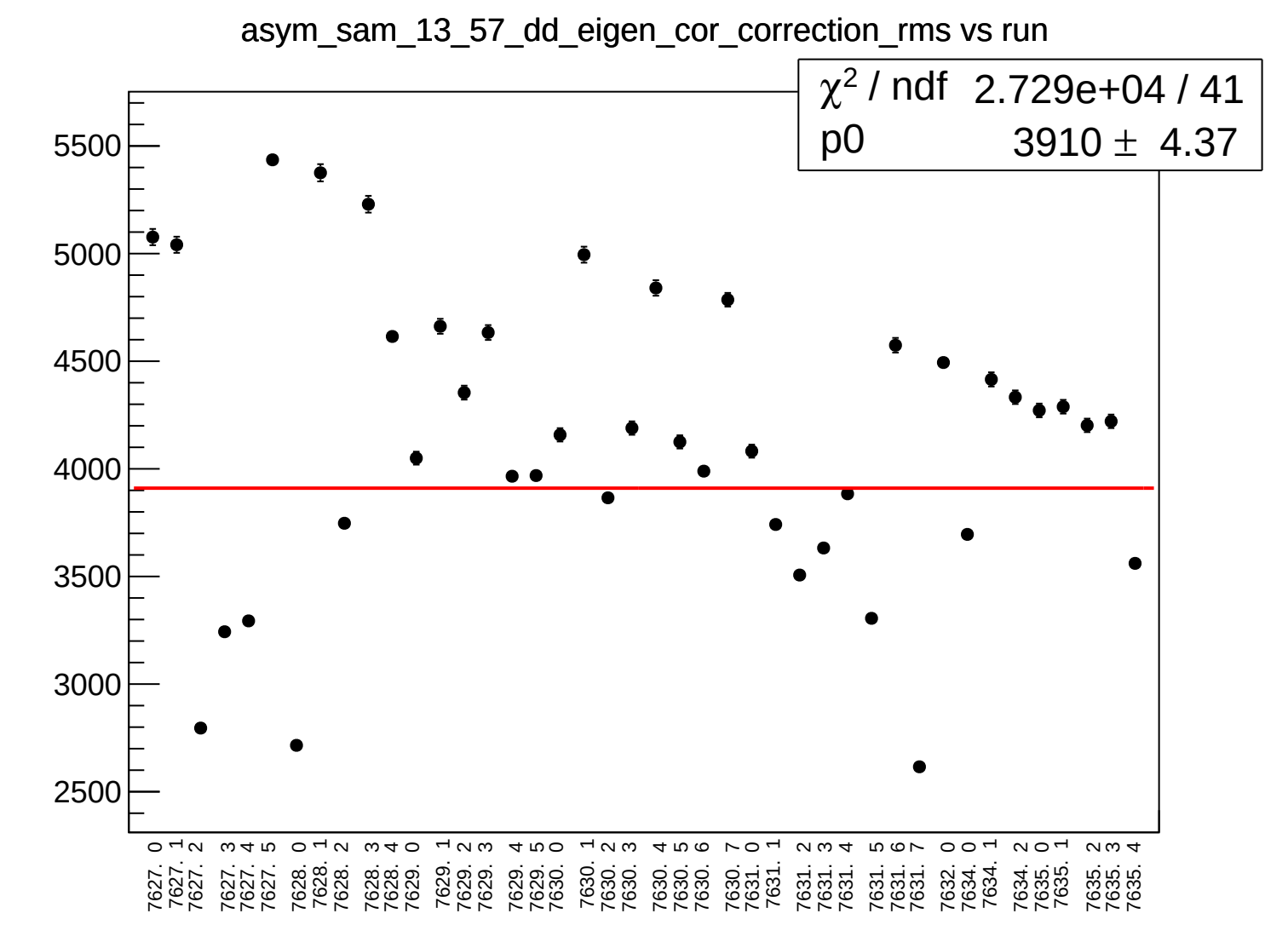
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 24.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03904
Std Dev 1.035
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.729e+04 / 41
p0 3910 ± 4.37
5500
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
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7628. 4
7629. 0
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7629. 4
7629. 5
7630. 0
7630. 1
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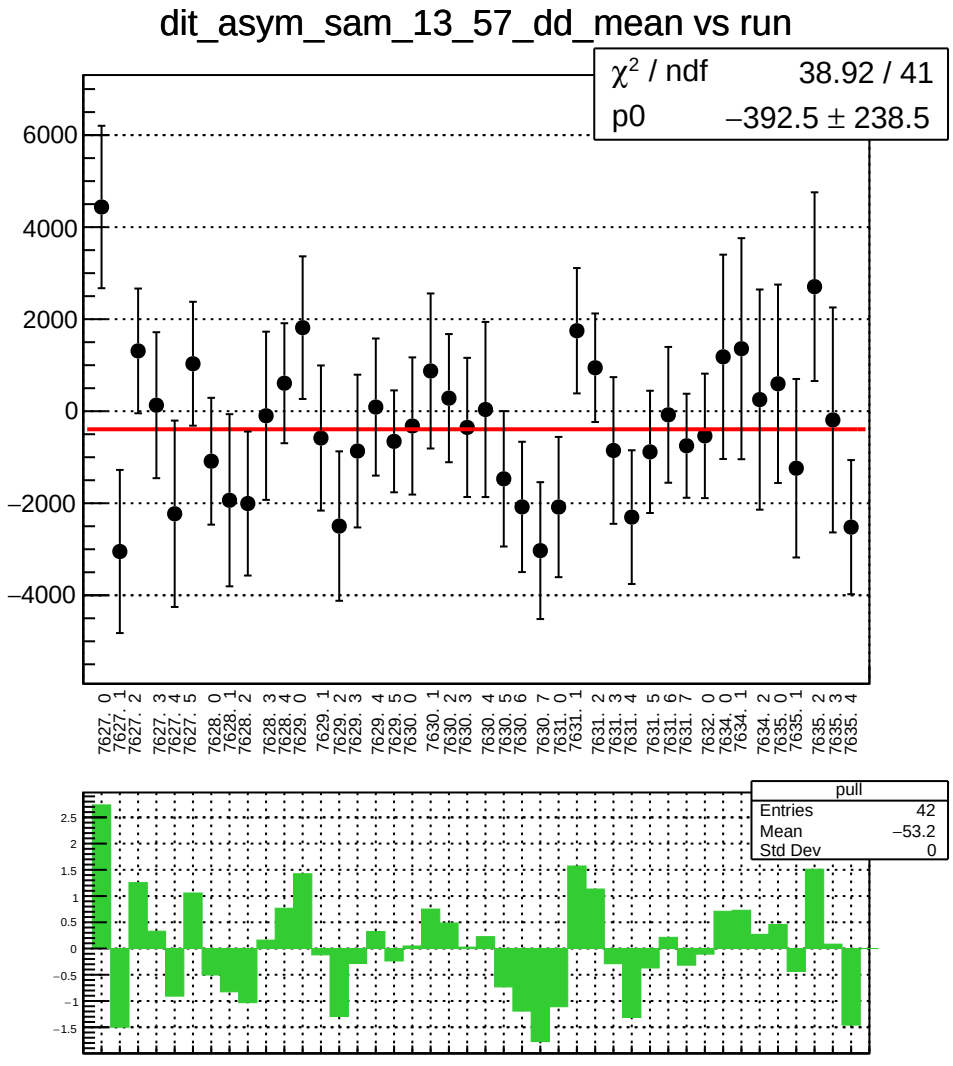
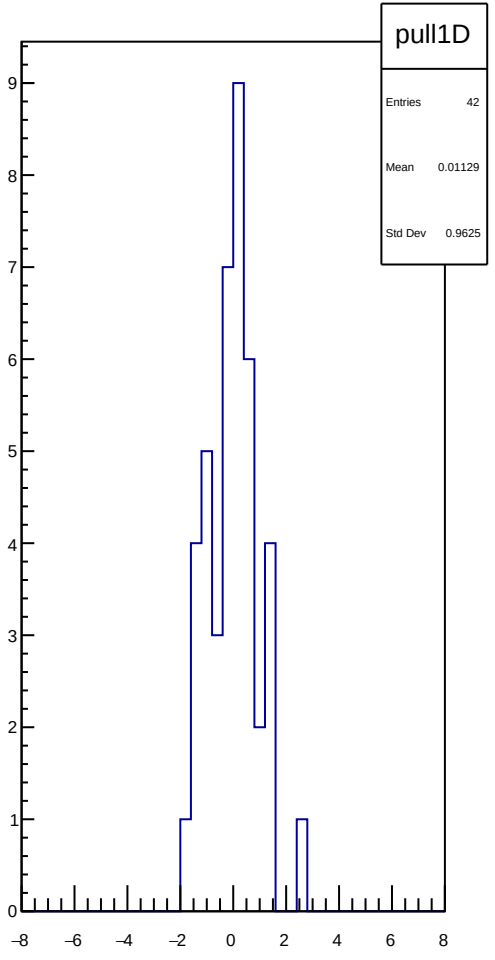
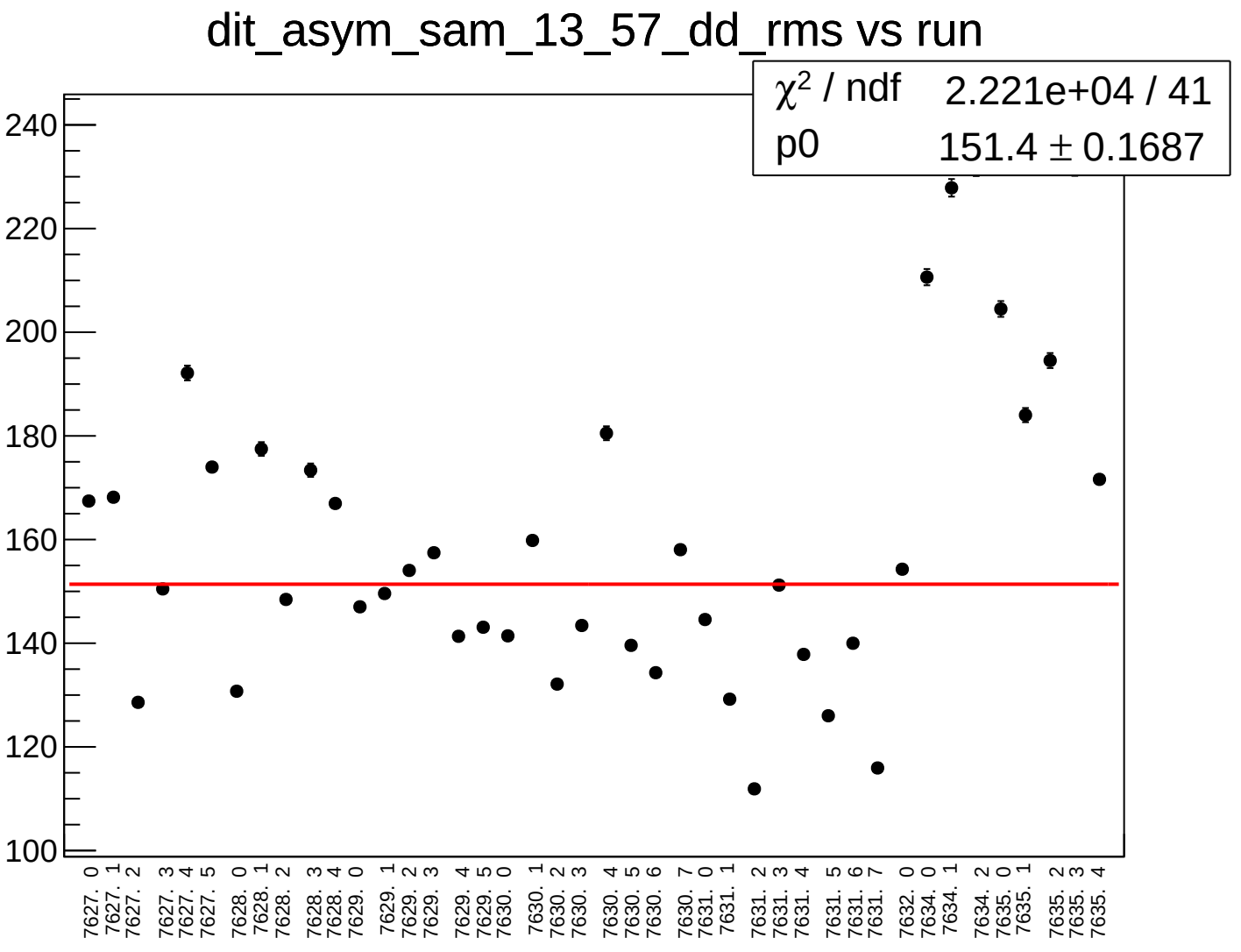
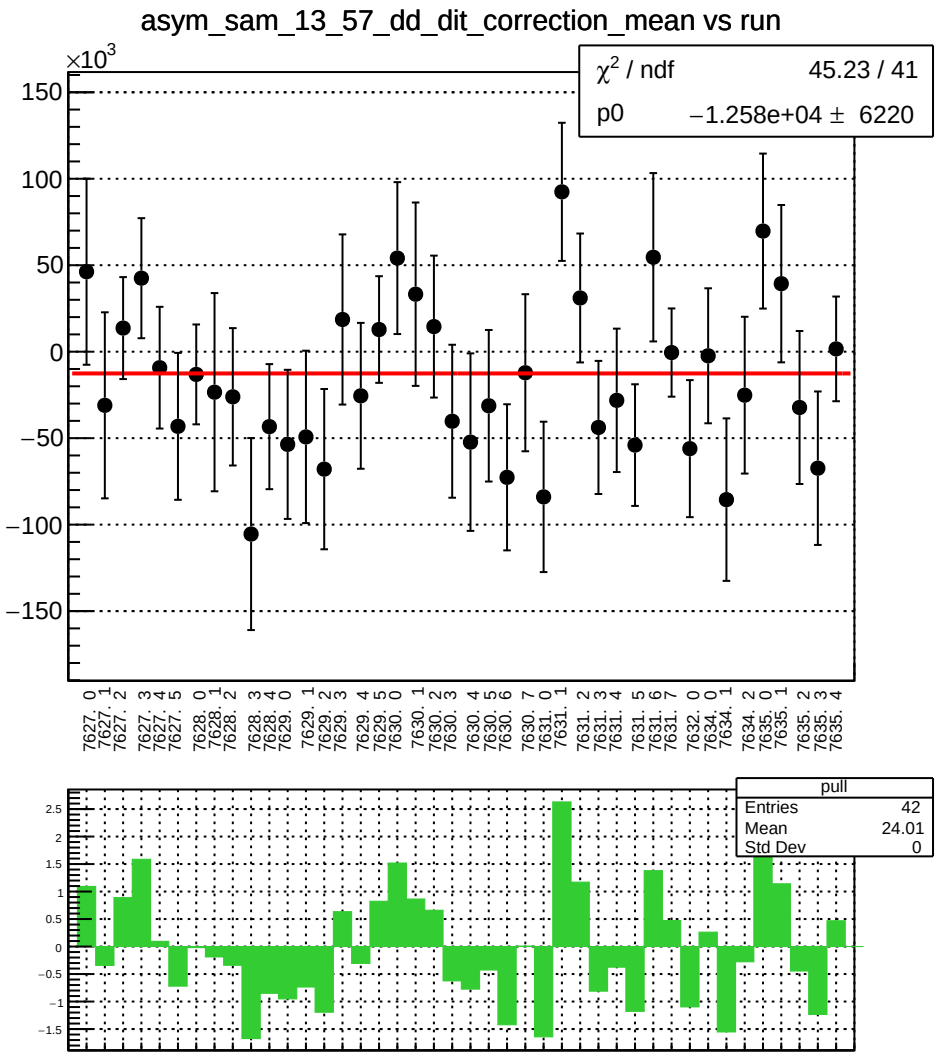
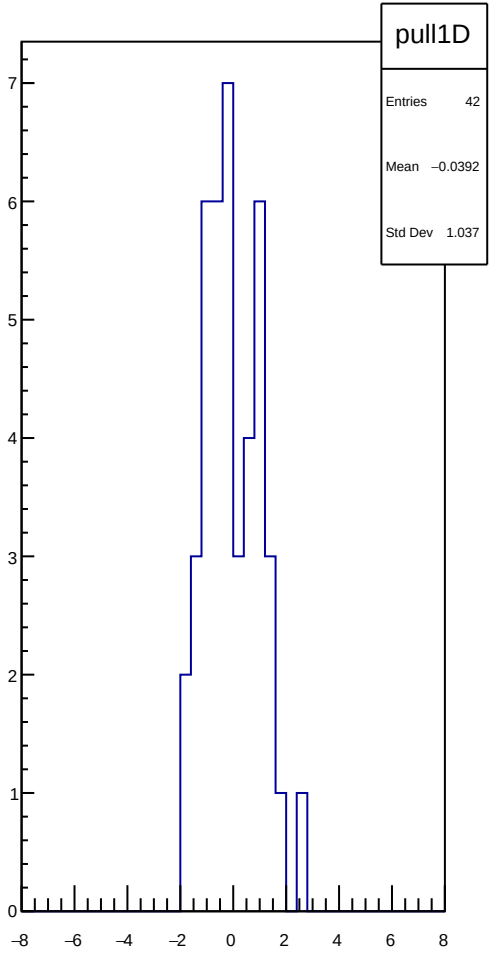
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

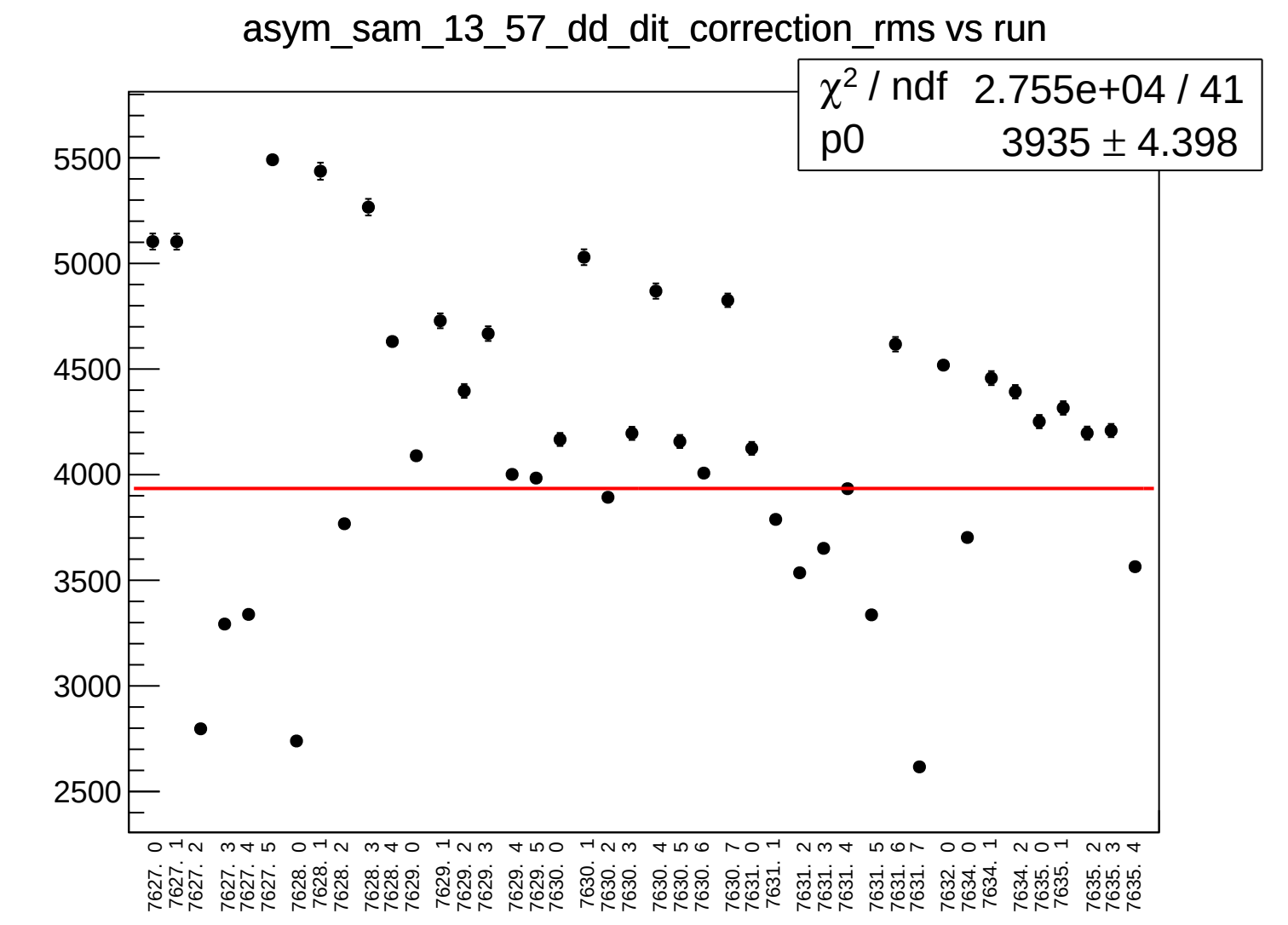

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 38.92 / 41
p0 −392.5 ± 238.5
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −53.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

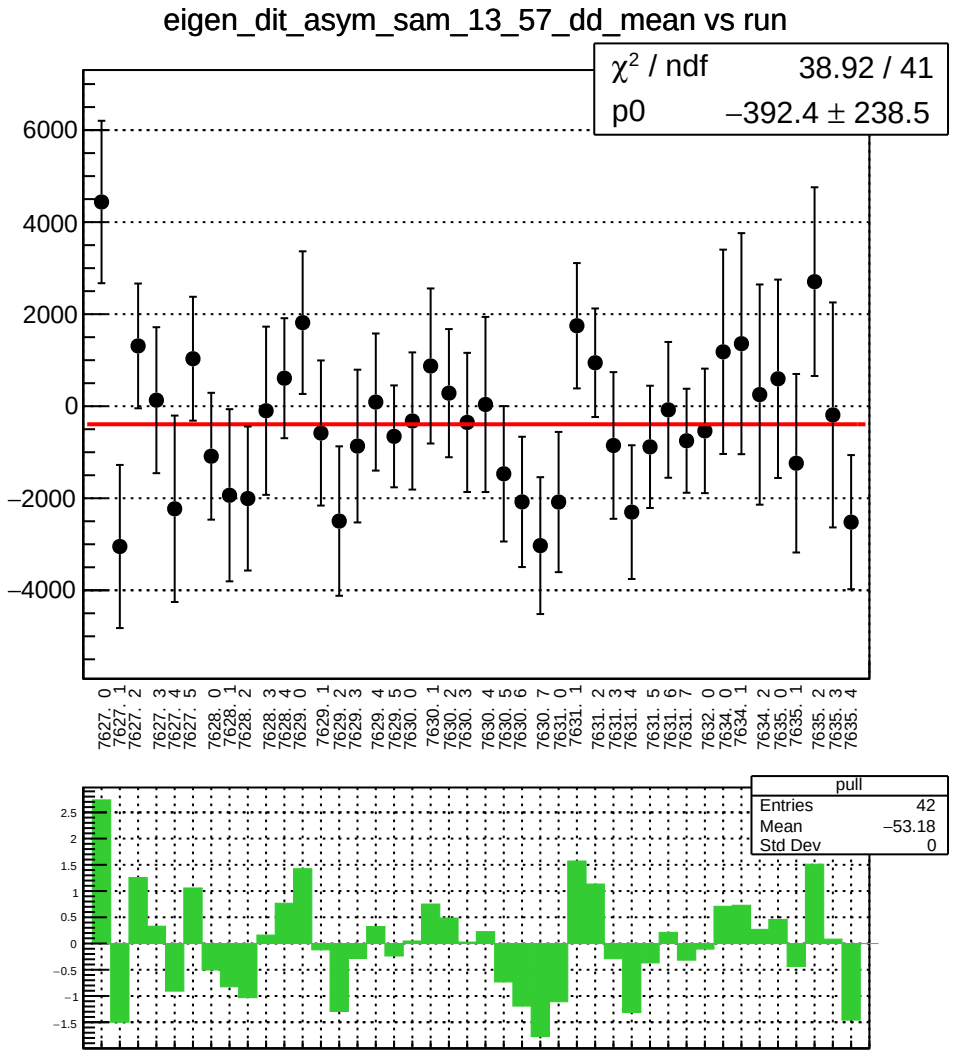

pull1D
Entries 42
Mean 0.01129
Std Dev 0.9625
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

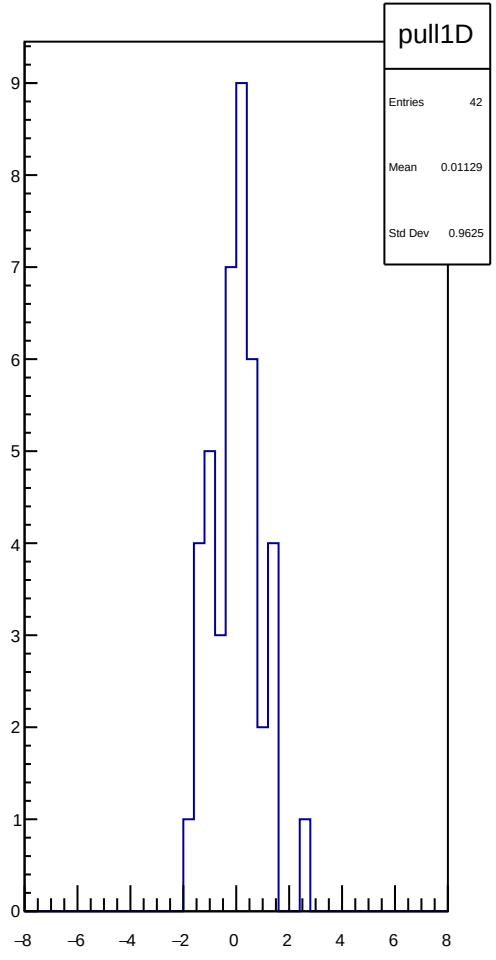

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.221e+04 / 41
p0 151.4 ± 0.1687
240
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

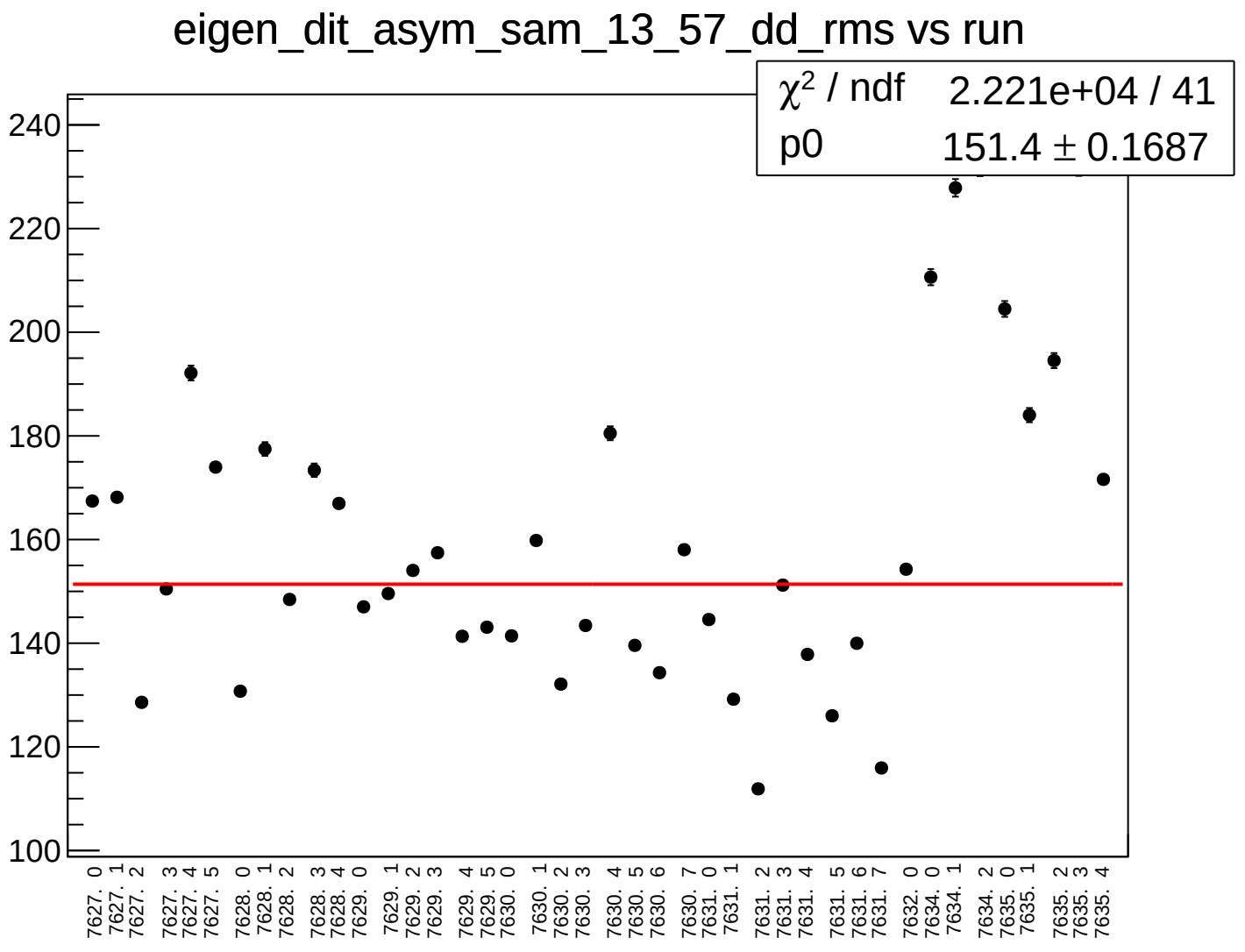

asym_sam_13_57_dd_dit_correction_mean vs run
×10^3
χ² / ndf 45.23 / 41
p0 −1.258e+04 ± 6220
pull
Entries 42
Mean 24.01
Std Dev 0

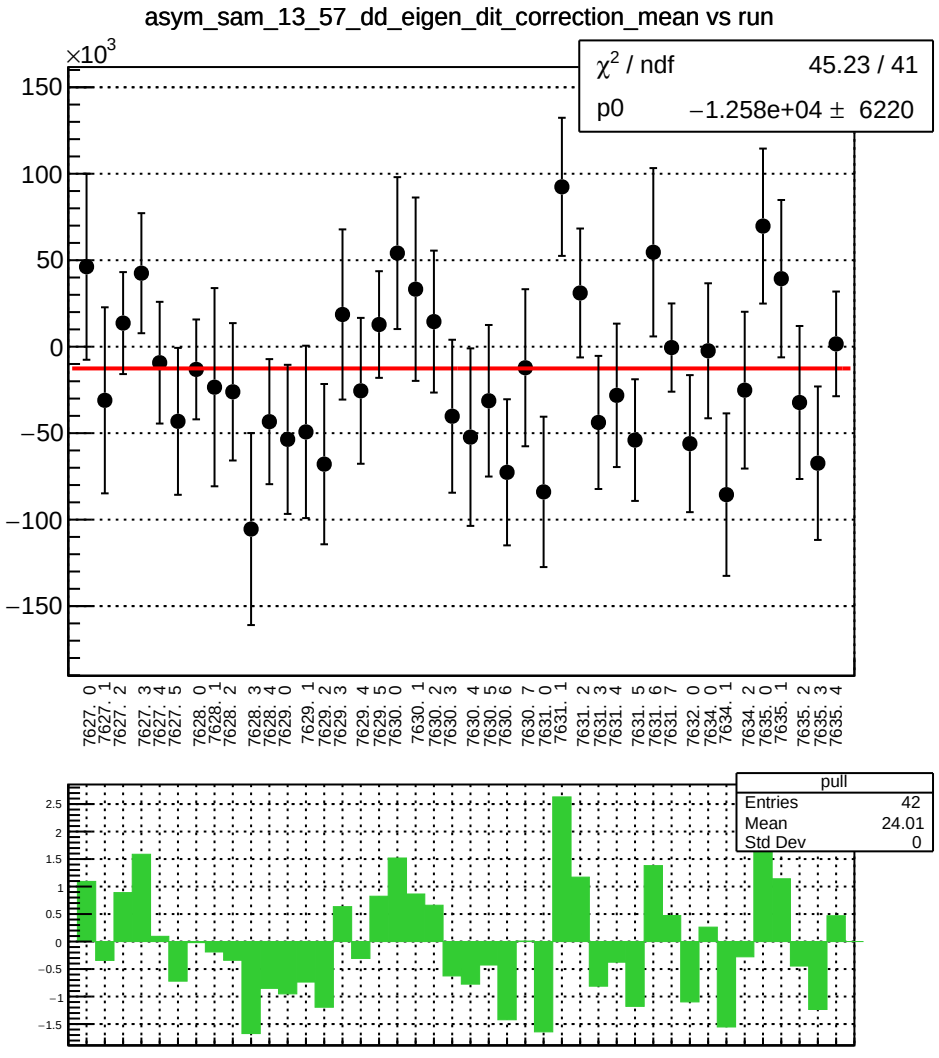

pull1D
Entries 42
Mean −0.0392
Std Dev 1.037

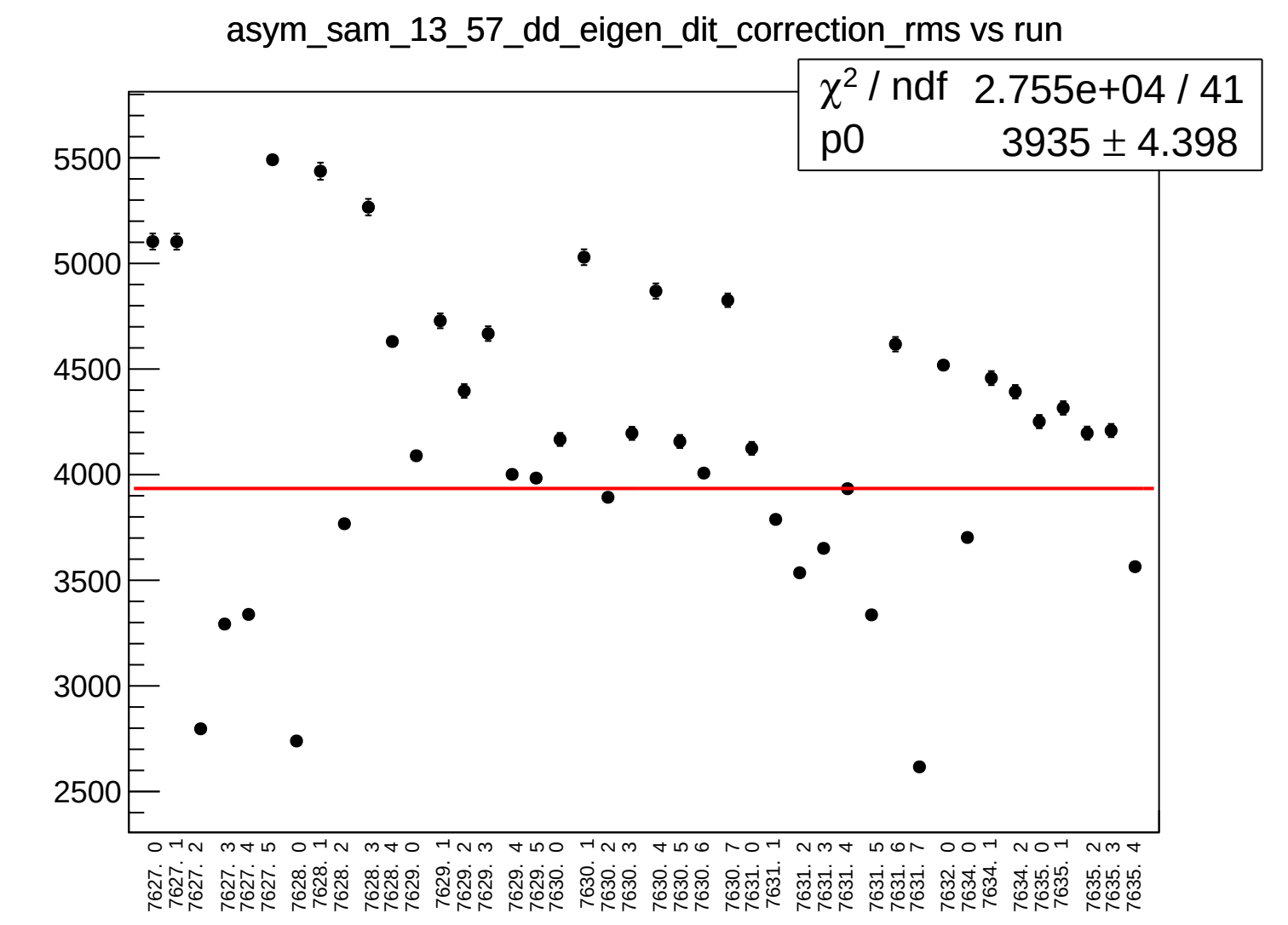

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 2.755e+04 / 41
p0 3935 ± 4.398
5500
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

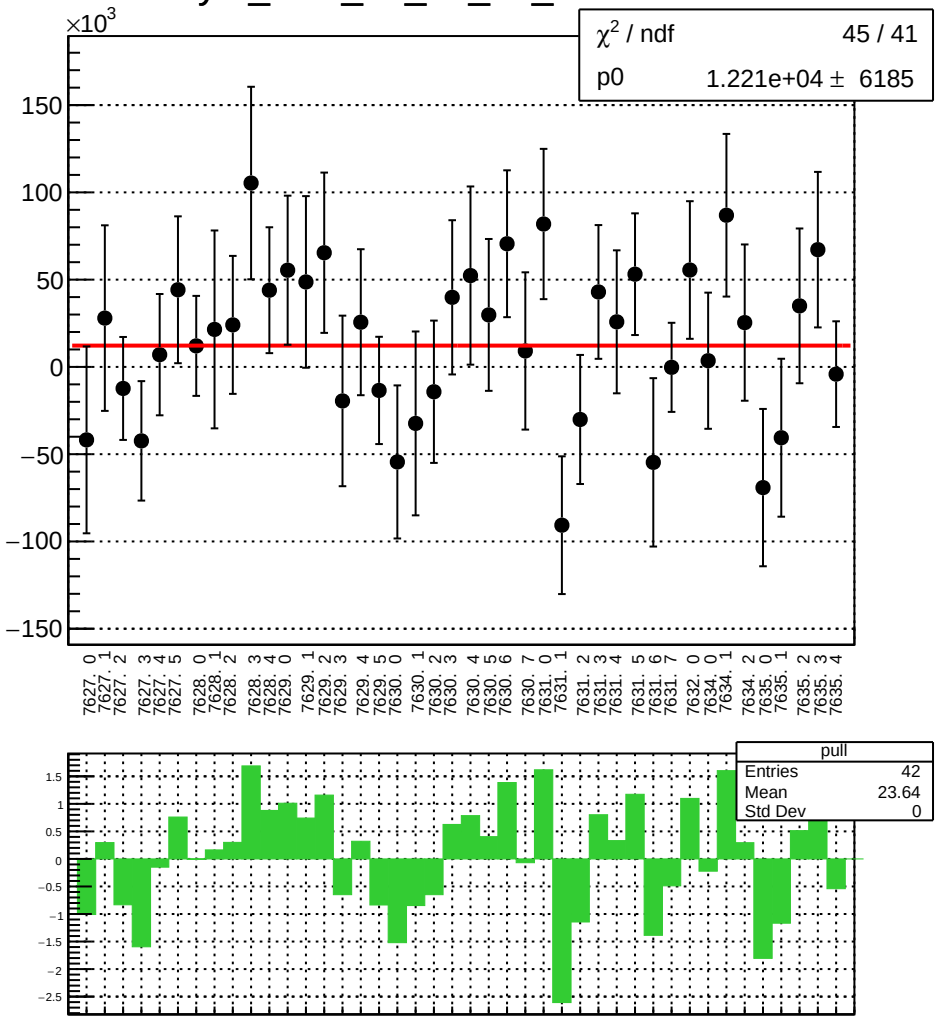

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 38.92 / 41
p0 −392.4 ± 238.5
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −53.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

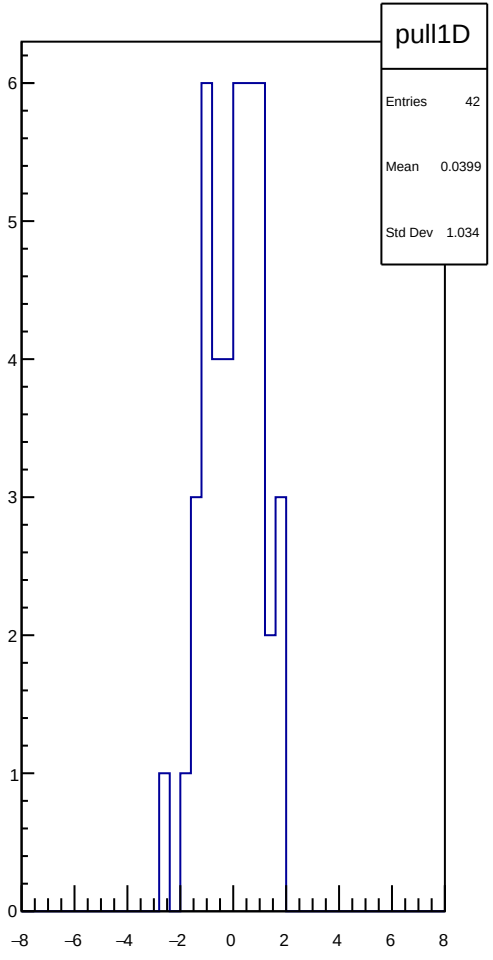

pull1D
Entries 42
Mean 0.01129
Std Dev 0.9625
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

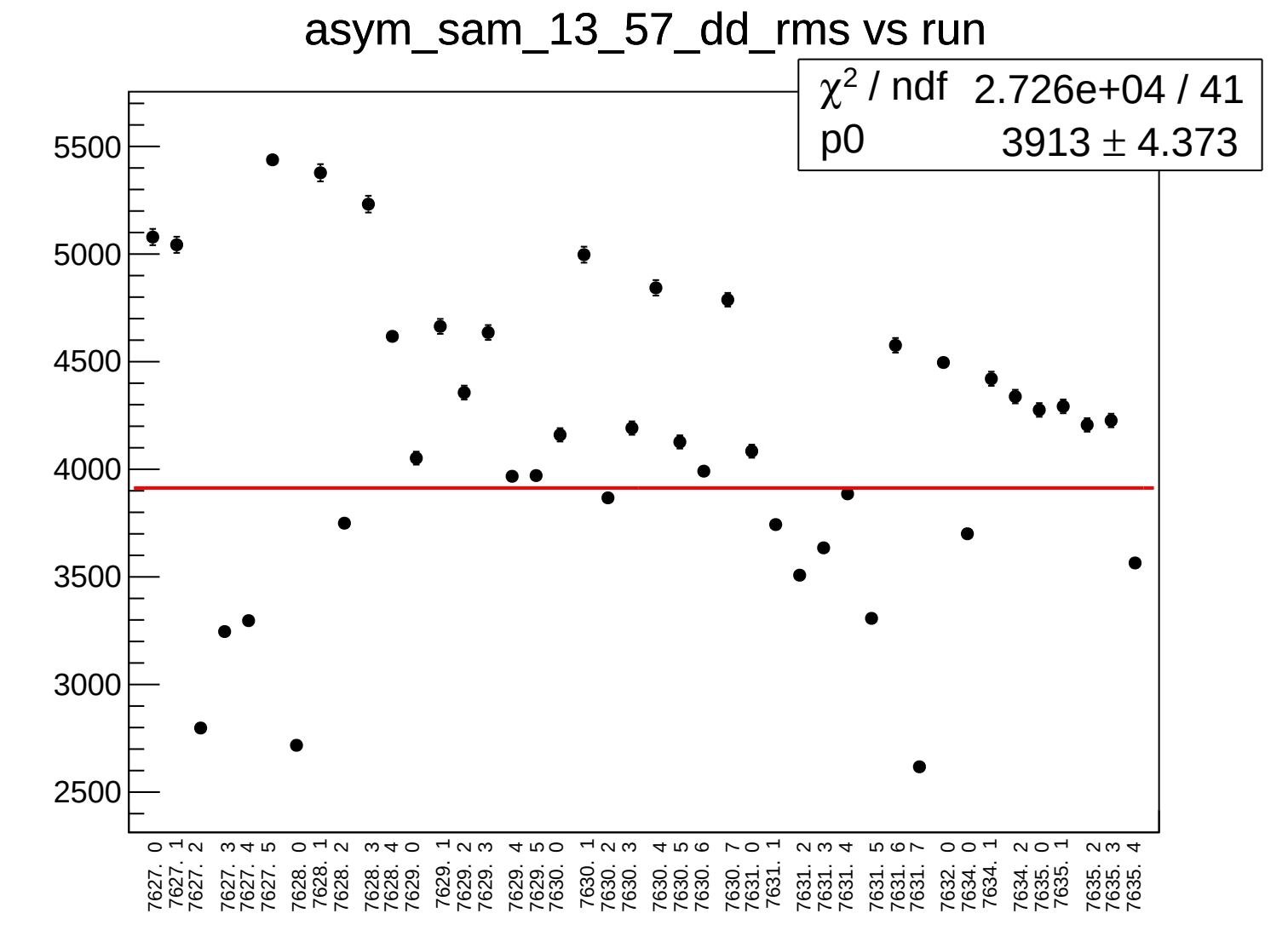

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.221e+04 / 41
p0 151.4 ± 0.1687
240
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

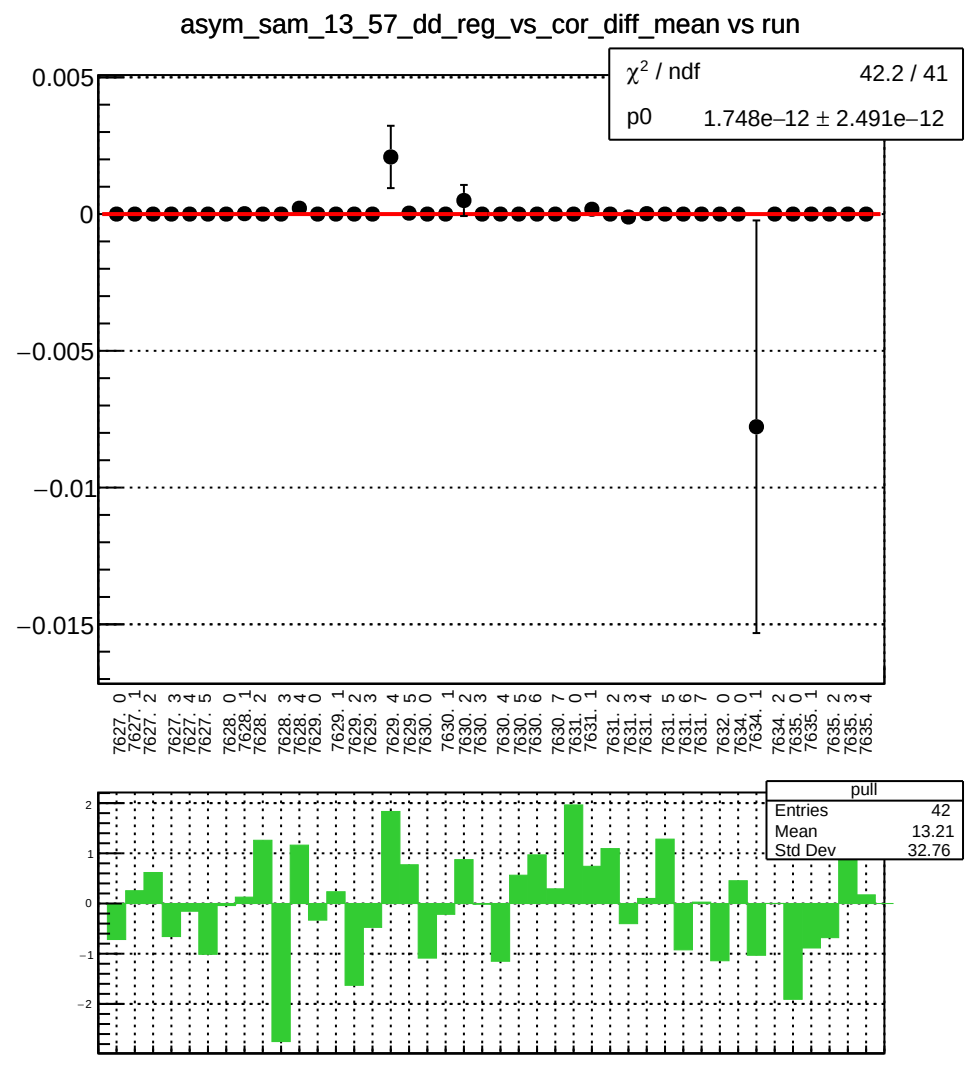

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.23 / 41
p0 −1.258e+04 ± 6220
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 24.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.0392
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

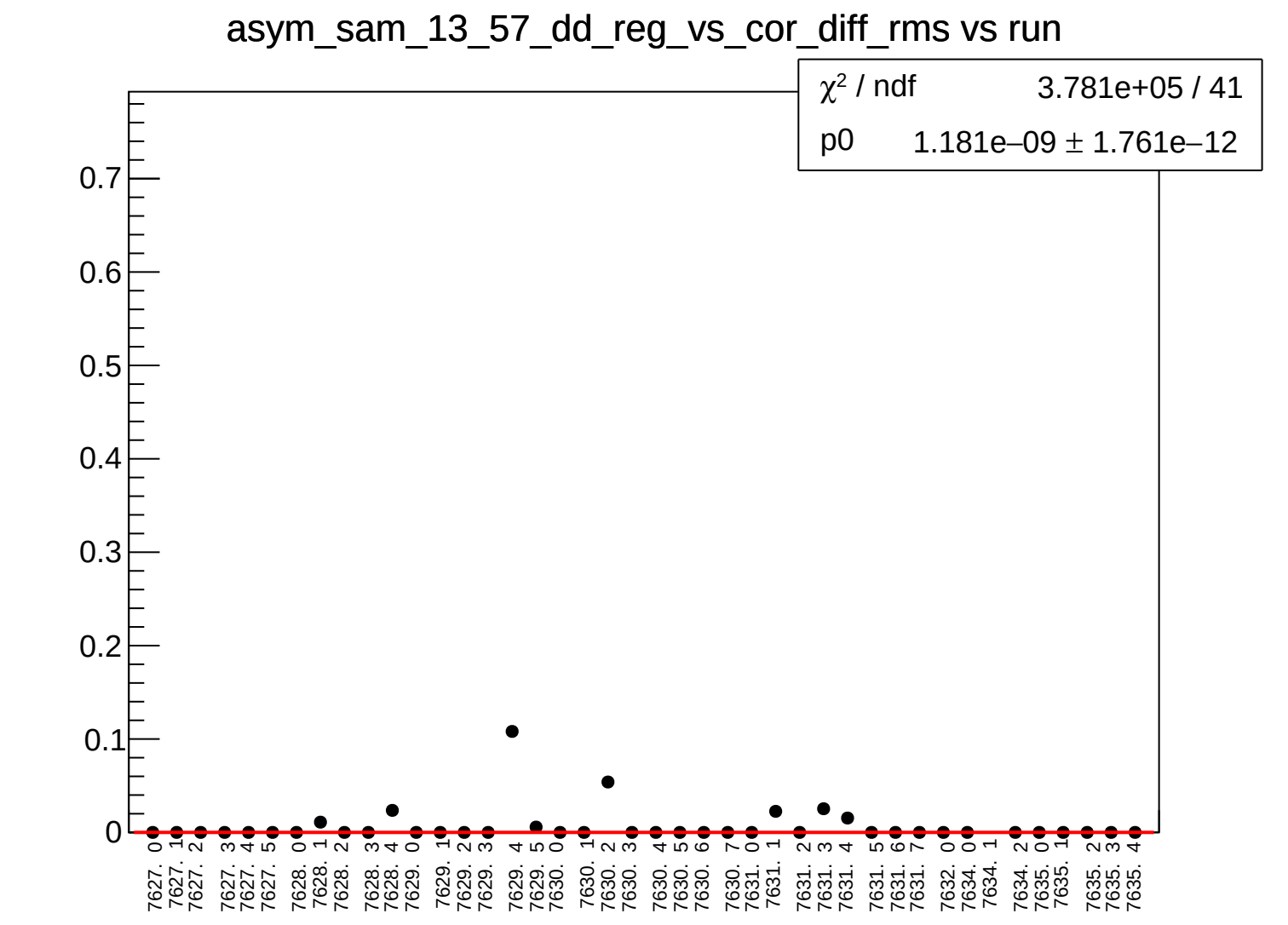

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.755e+04 / 41
p0 3935 ± 4.398
5500
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

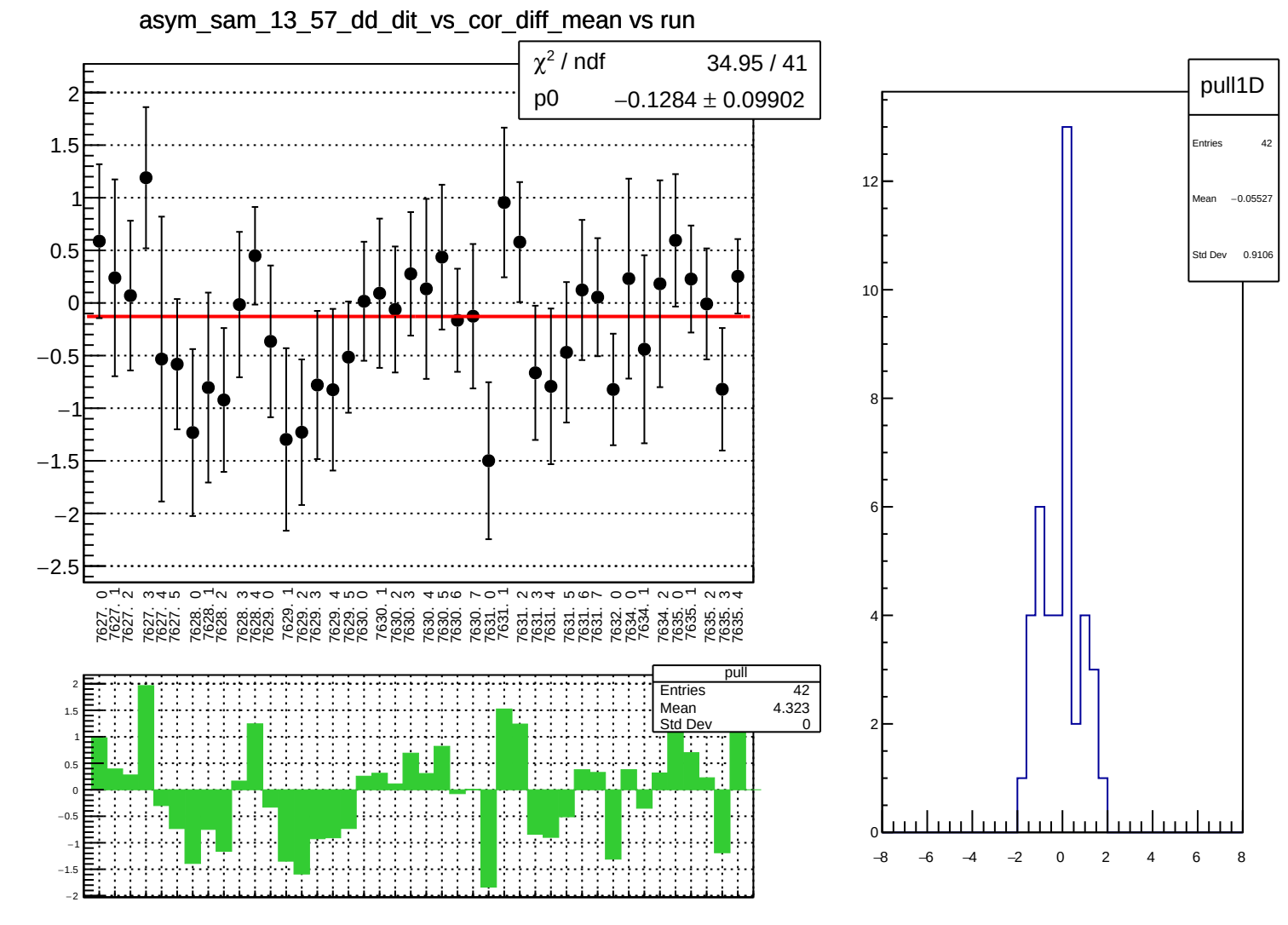

asym_sam_13_57_dd_mean vs run
×10^3
χ² / ndf 45 / 41
p0 1.221e+04 ± 6185
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 23.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

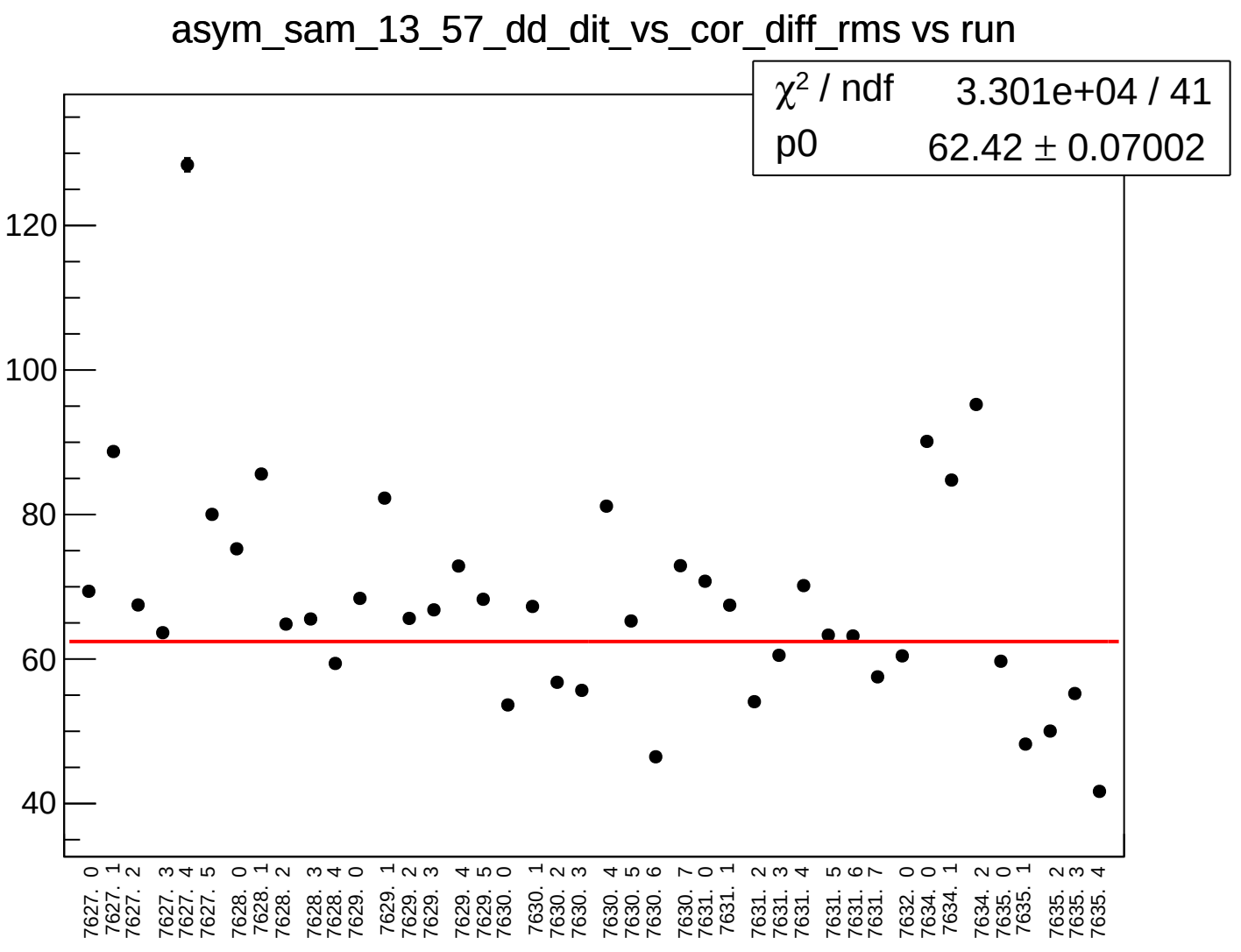

pull1D
Entries 42
Mean 0.0399
Std Dev 1.034
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_rms vs run
χ² / ndf 2.726e+04 / 41
p0 3913 ± 4.373
5500
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

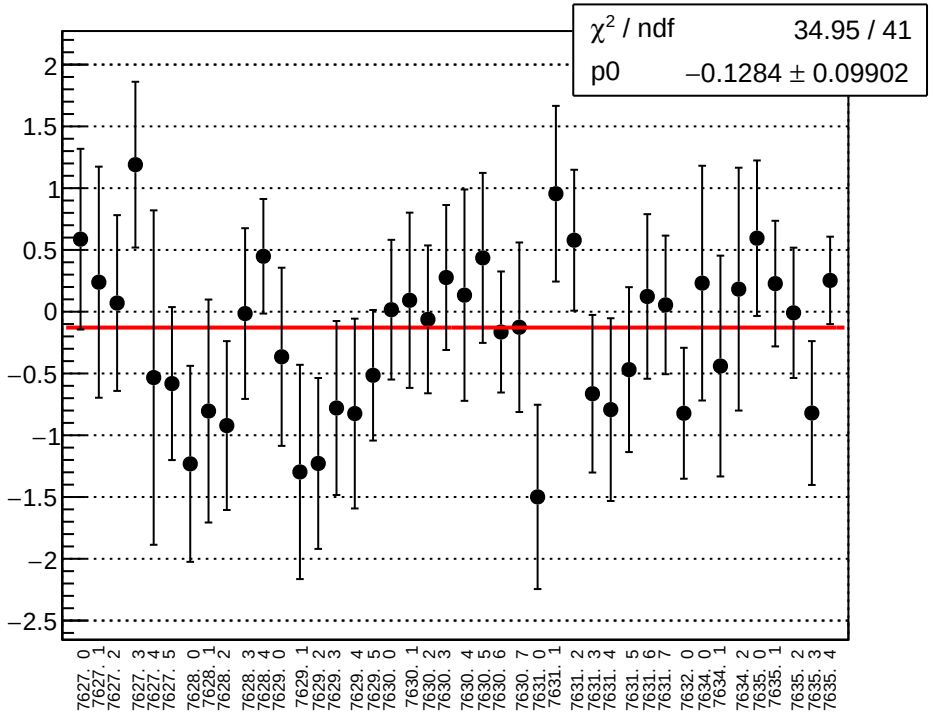

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.2 / 41
p0 1.748e−12 ± 2.491e−12
0.005
0
−0.005
−0.01
−0.015
pull
Entries 42
Mean 13.21
Std Dev 32.76
pull1D
Entries 42
Mean −0.02513
Std Dev 1.002

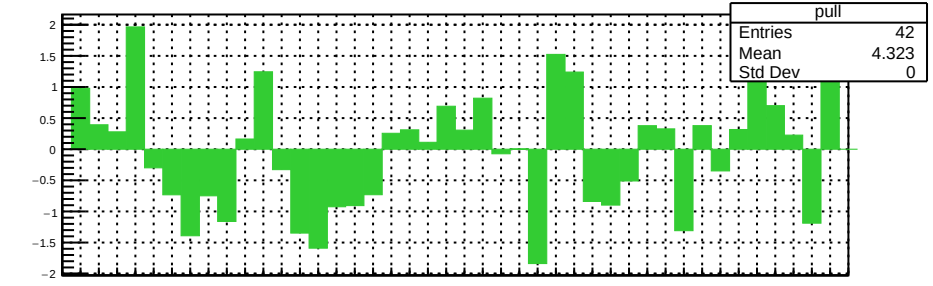

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.781e+05 / 41
p0 1.181e−09 ± 1.761e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

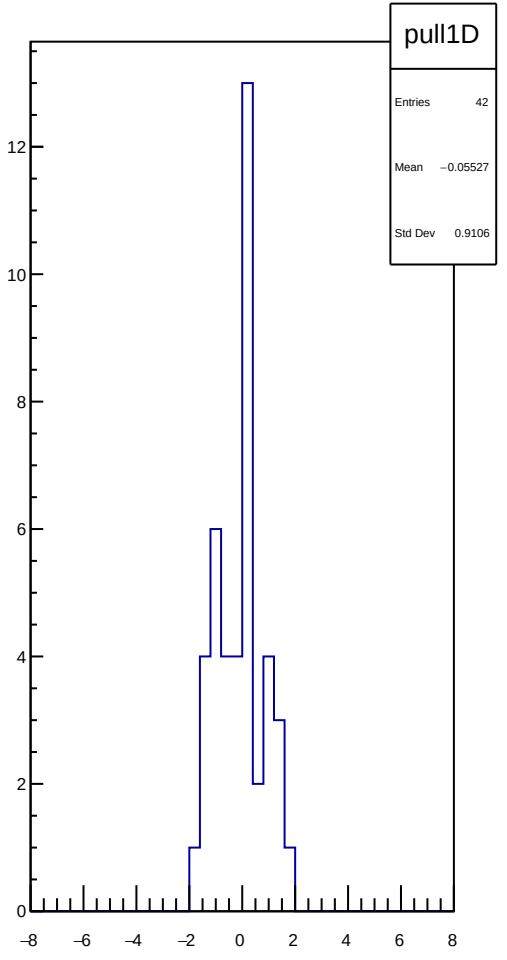

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 34.95 / 41
p0 −0.1284 ± 0.09902
pull
Entries 42
Mean 4.323
Std Dev 0
pull1D
Entries 42
Mean −0.05527
Std Dev 0.9106

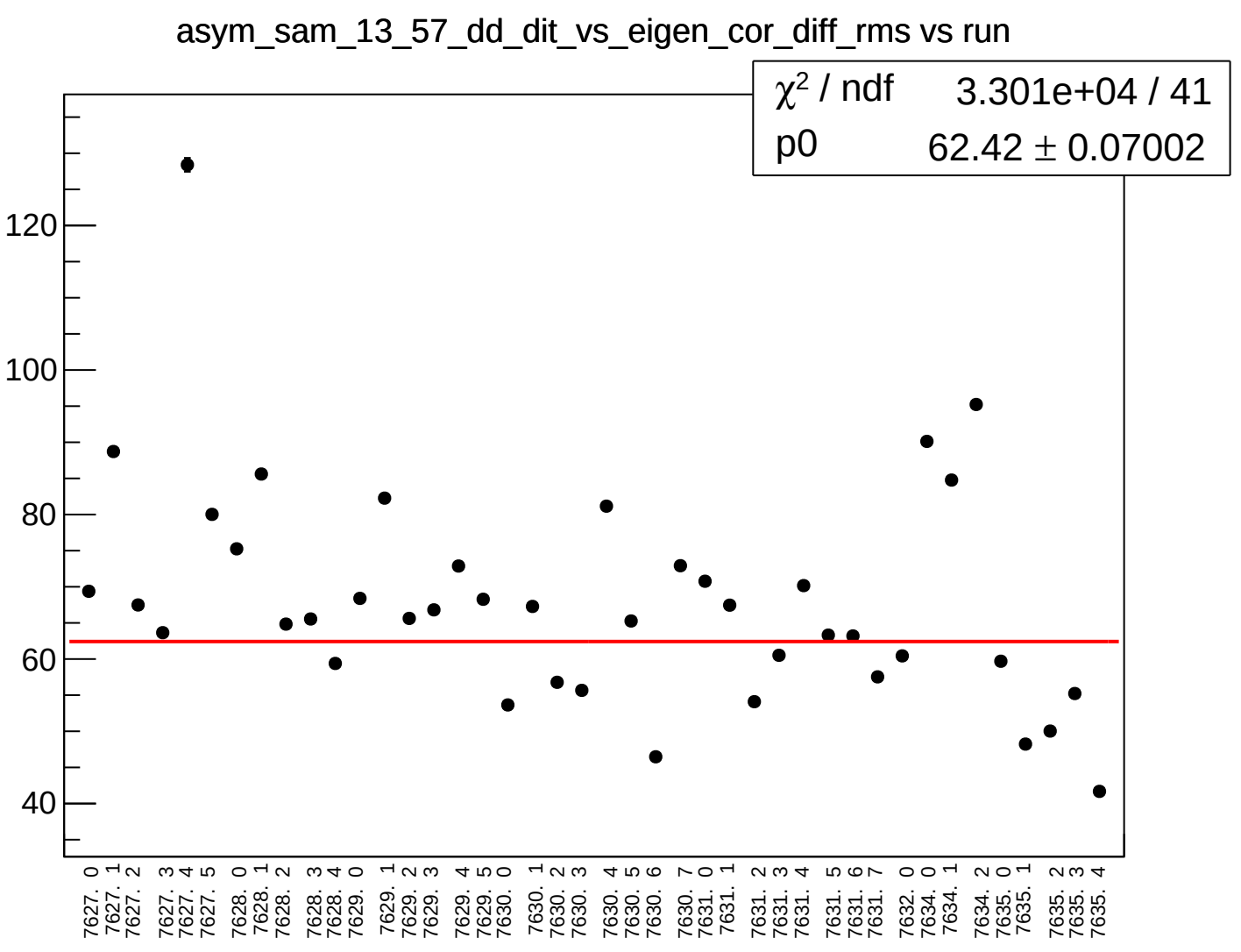

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.301e+04 / 41
p0 62.42 ± 0.07002
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

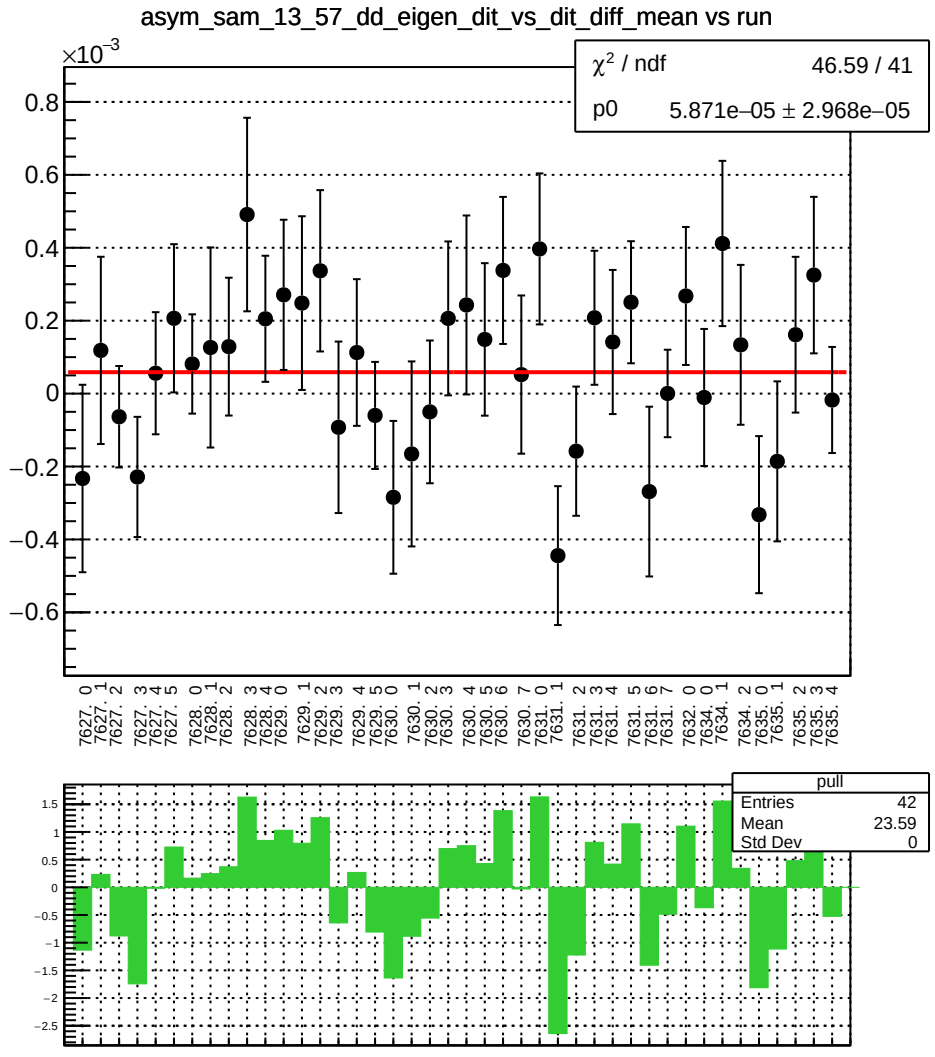
asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run

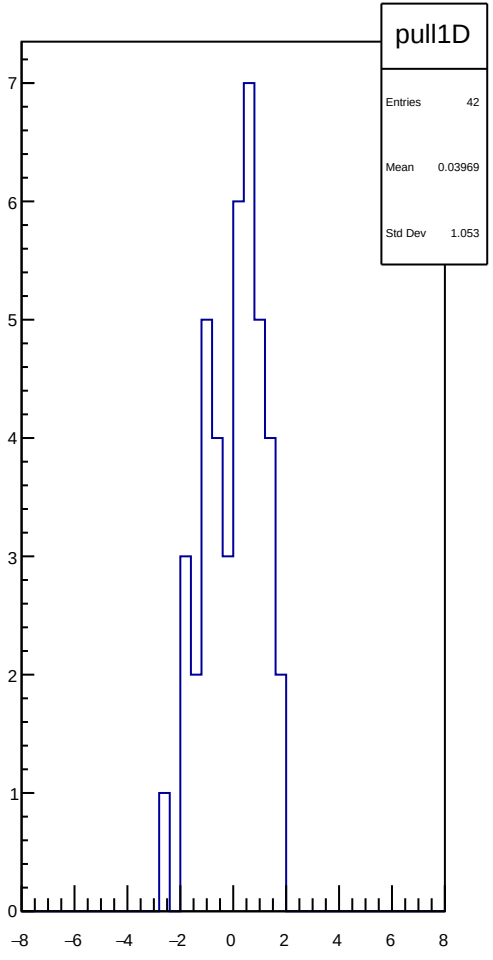


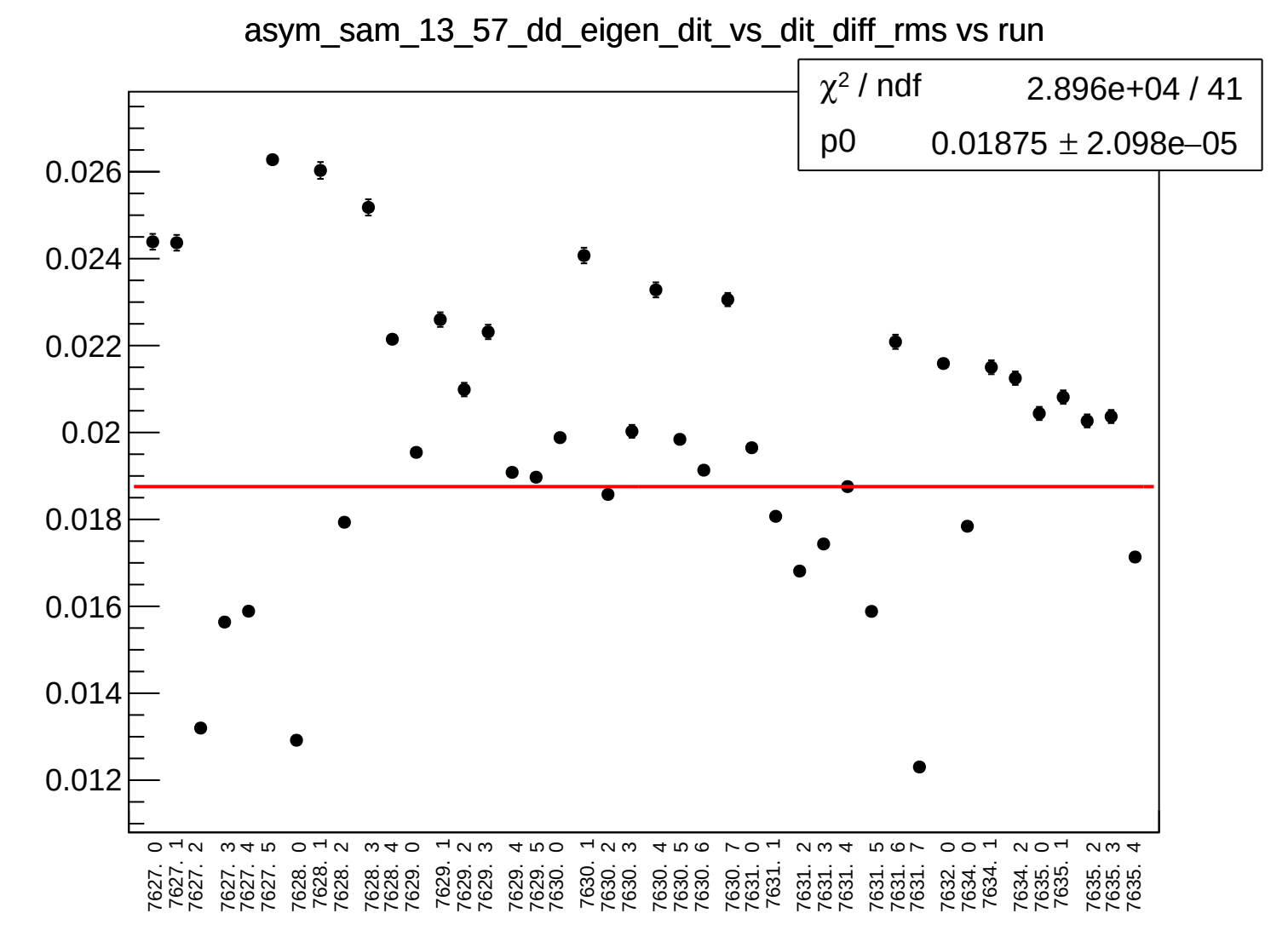


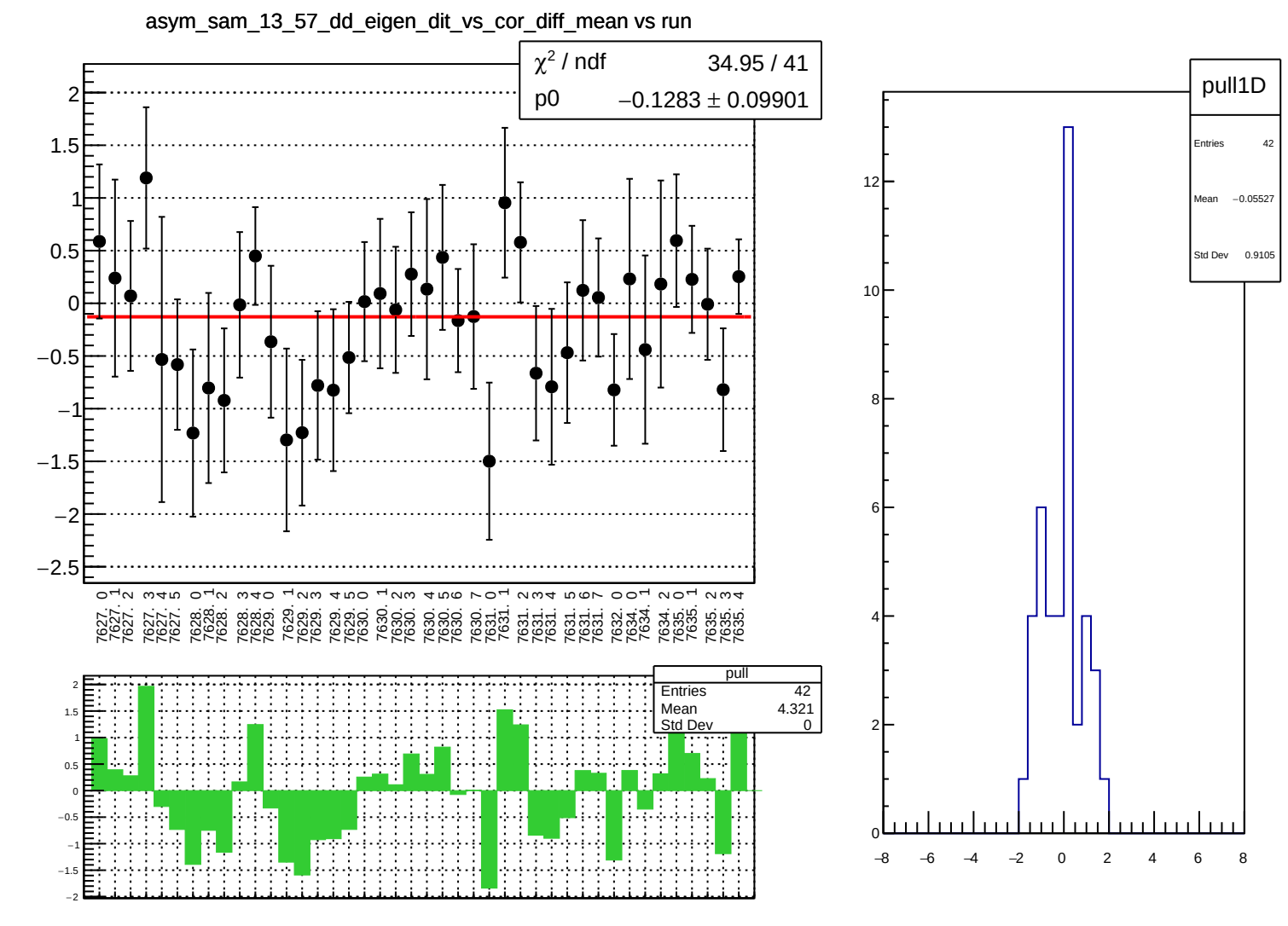


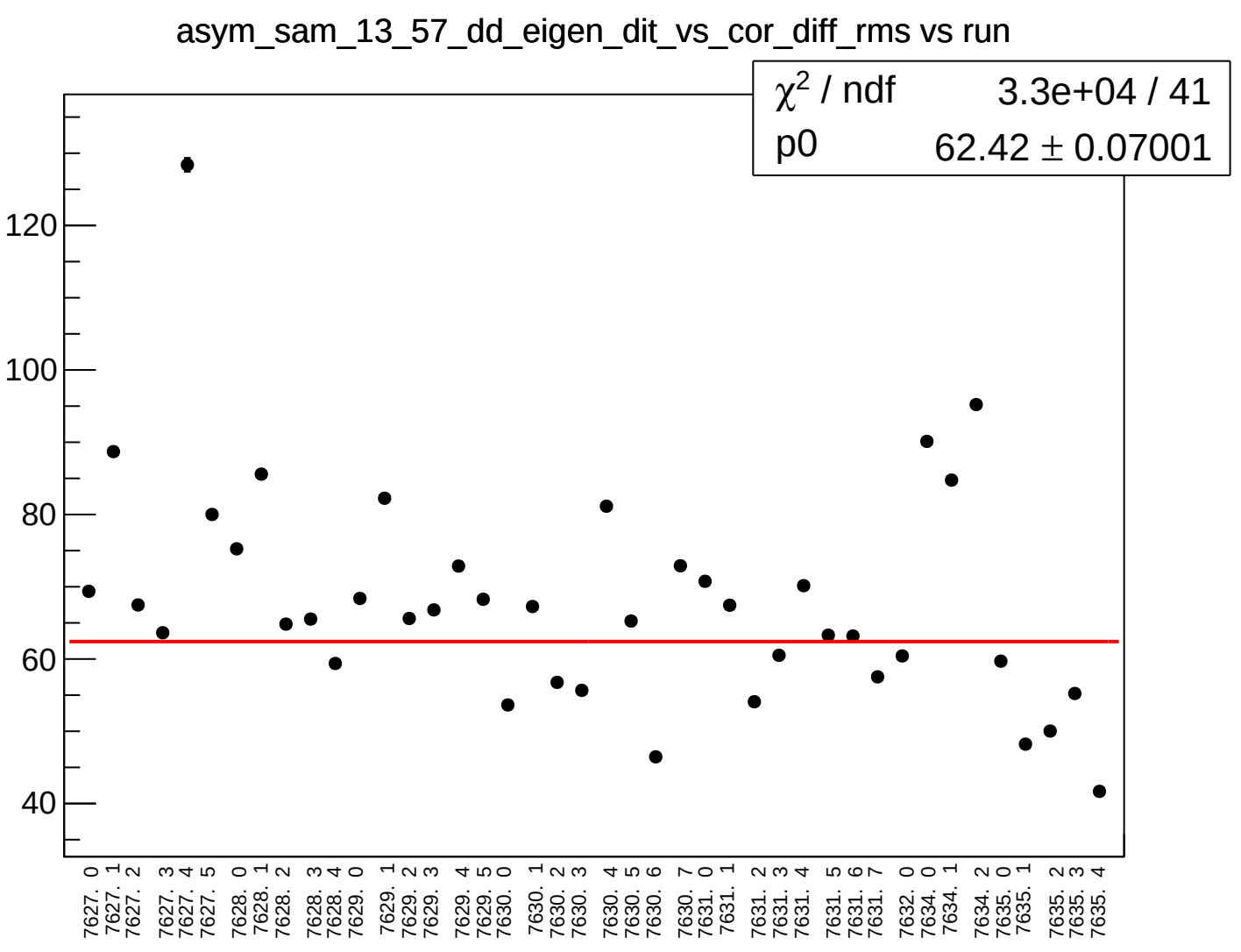

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.301e+04 / 41
p0 62.42 ± 0.07002
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.59 / 41
p0 5.871e−05 ± 2.968e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 23.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

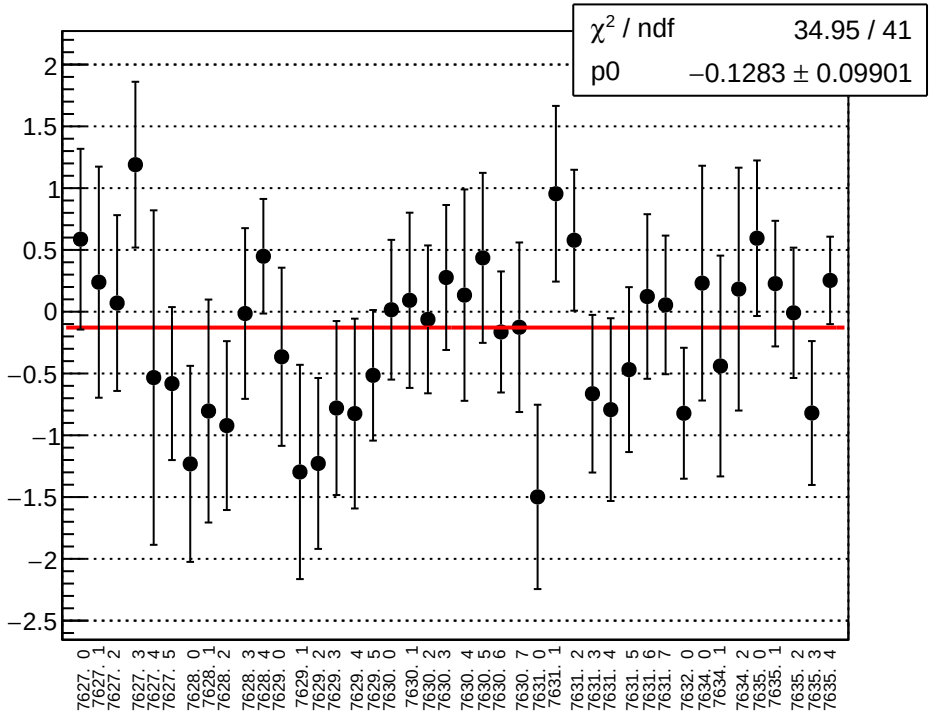

pull1D
Entries 42
Mean 0.03969
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

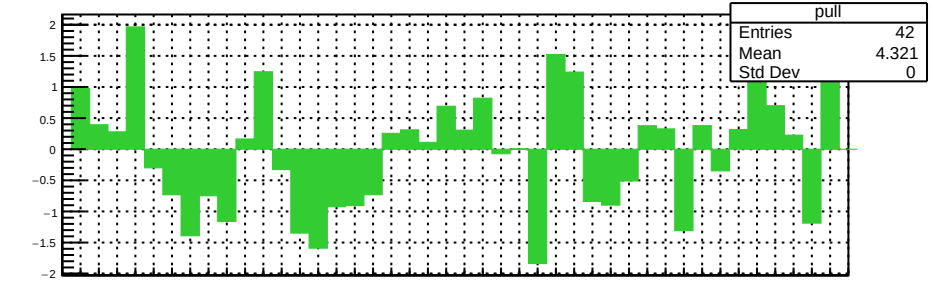

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.896e+04 / 41
p0 0.01875 ± 2.098e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

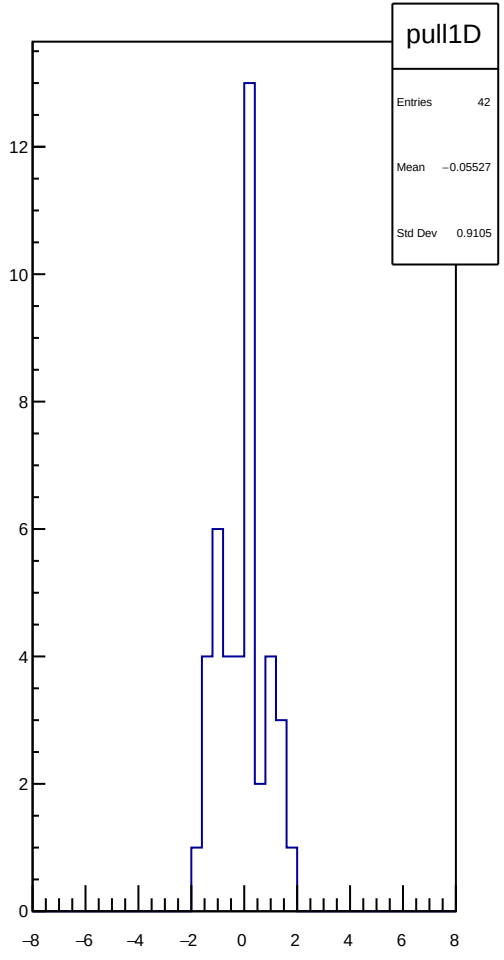

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.95 / 41
p0 −0.1283 ± 0.09901
pull
Entries 42
Mean 4.321
Std Dev 0
pull1D
Entries 42
Mean −0.05527
Std Dev 0.9105

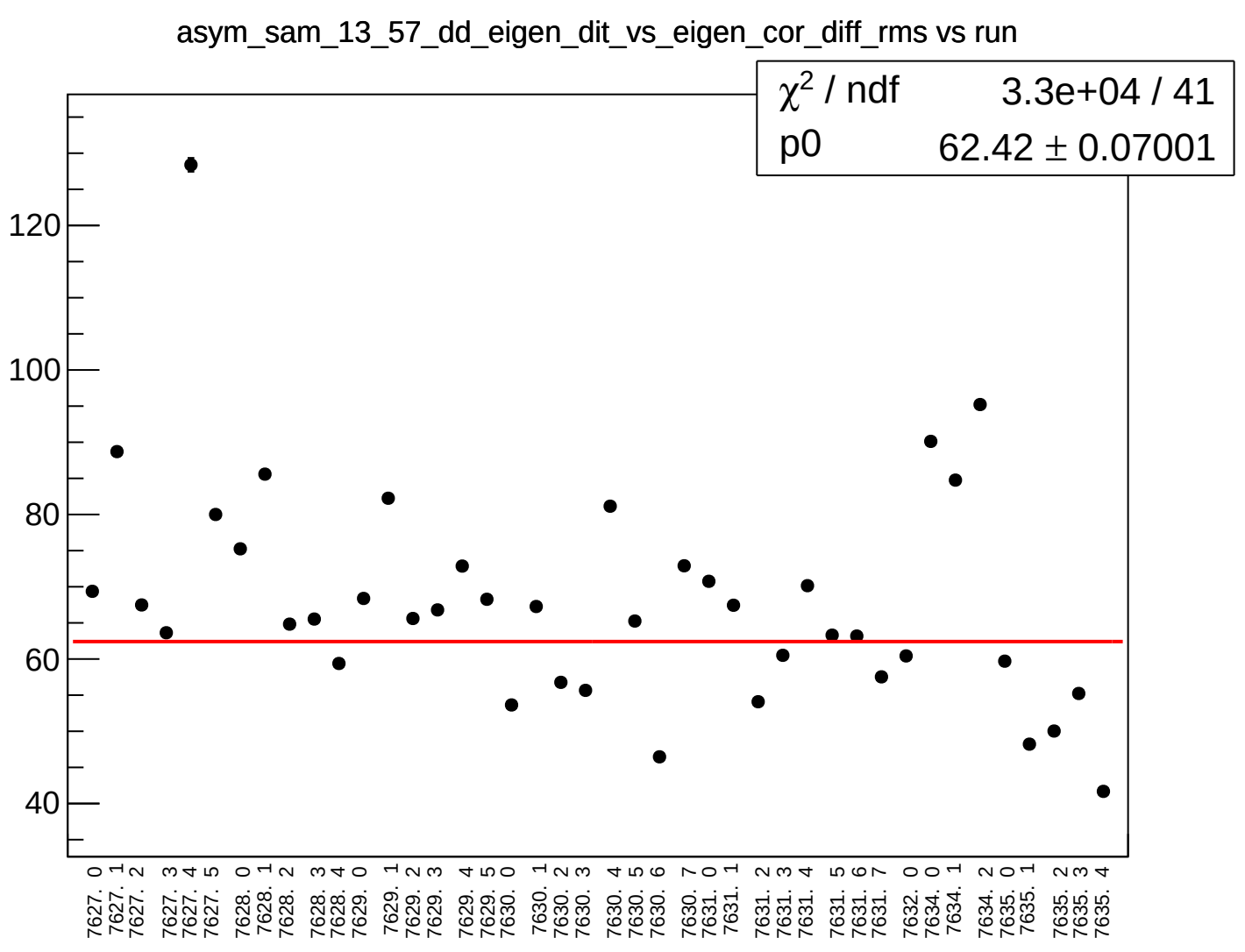

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.3e+04 / 41
p0 62.42 ± 0.07001
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

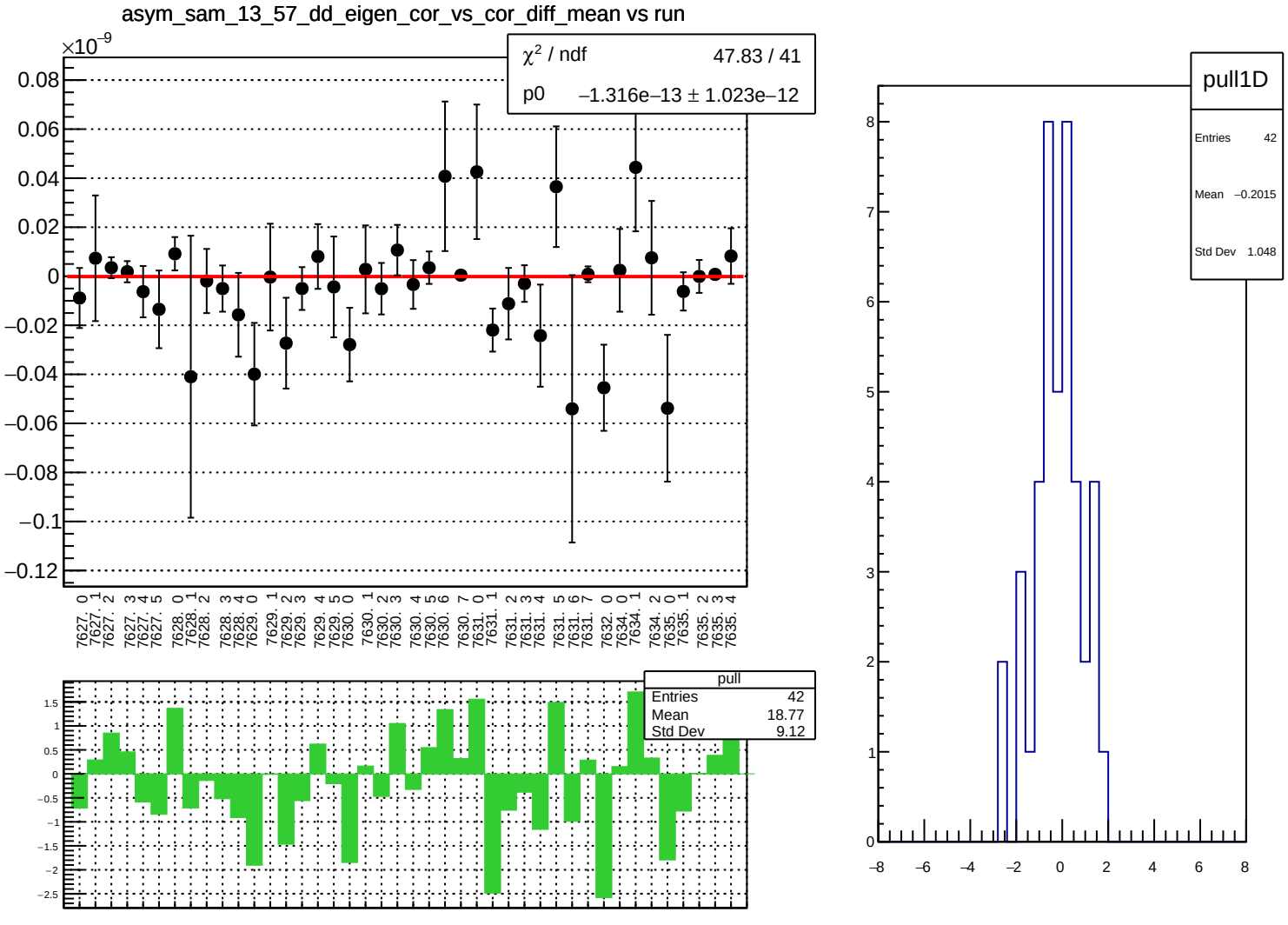
asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

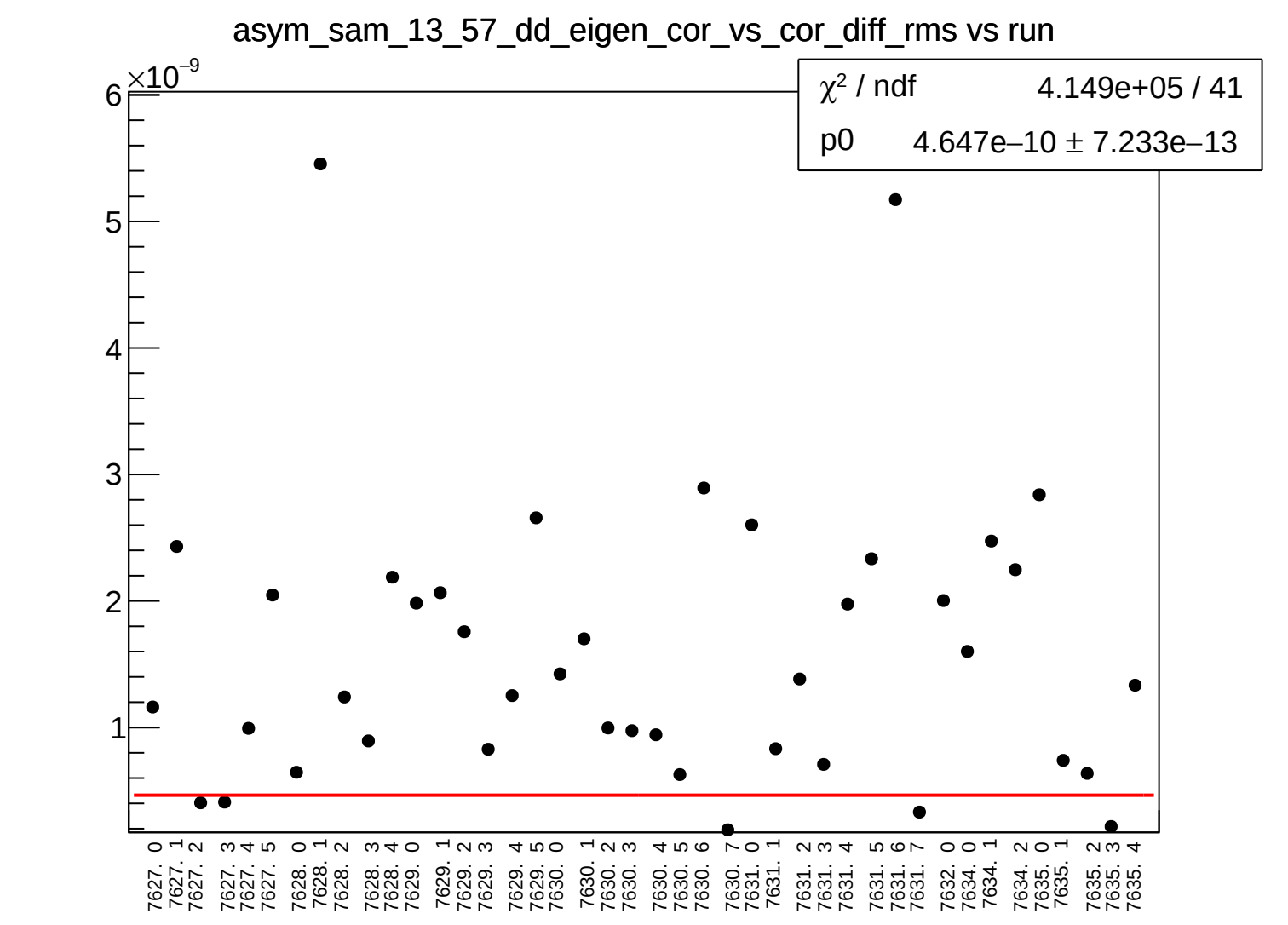


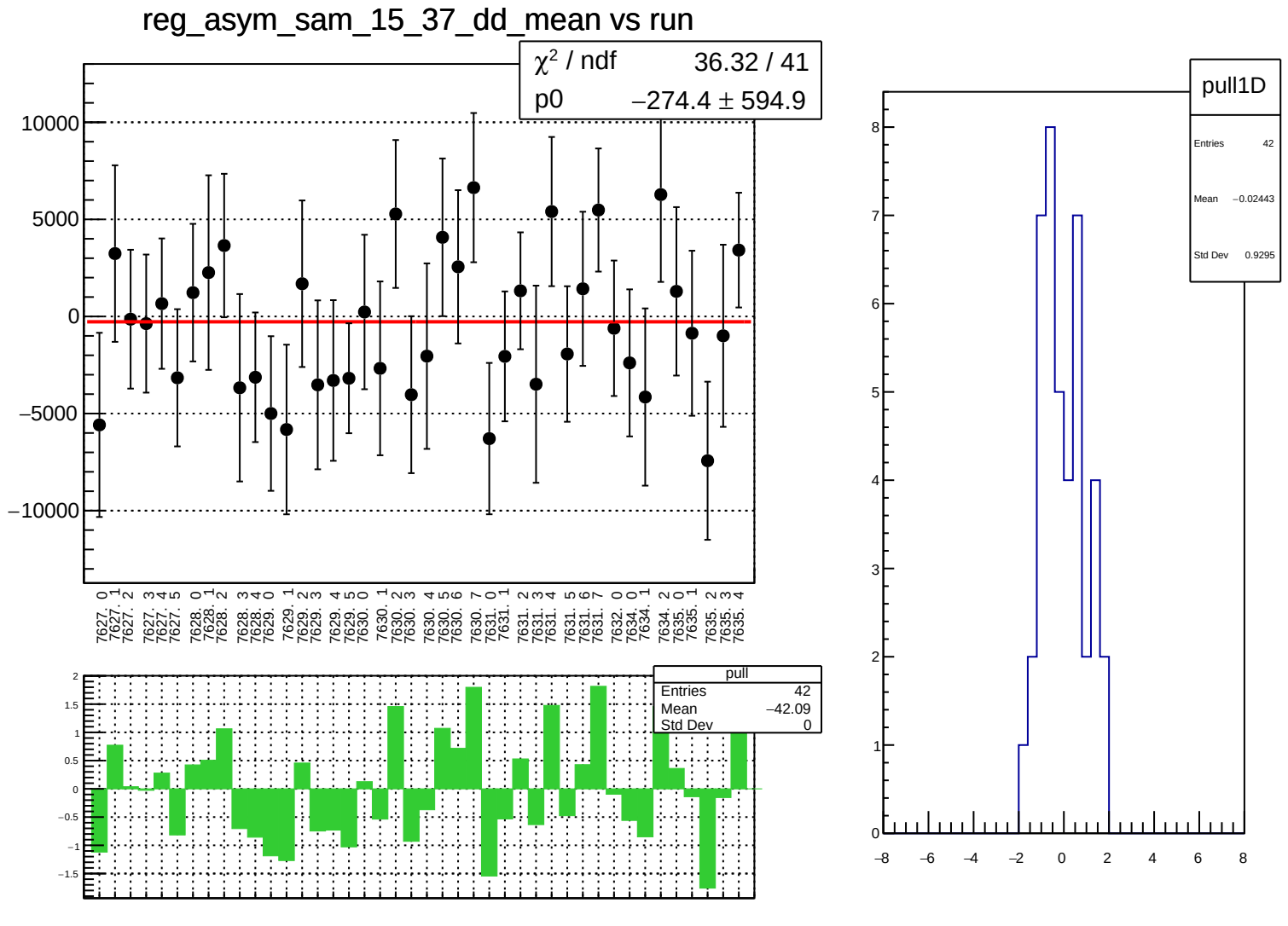


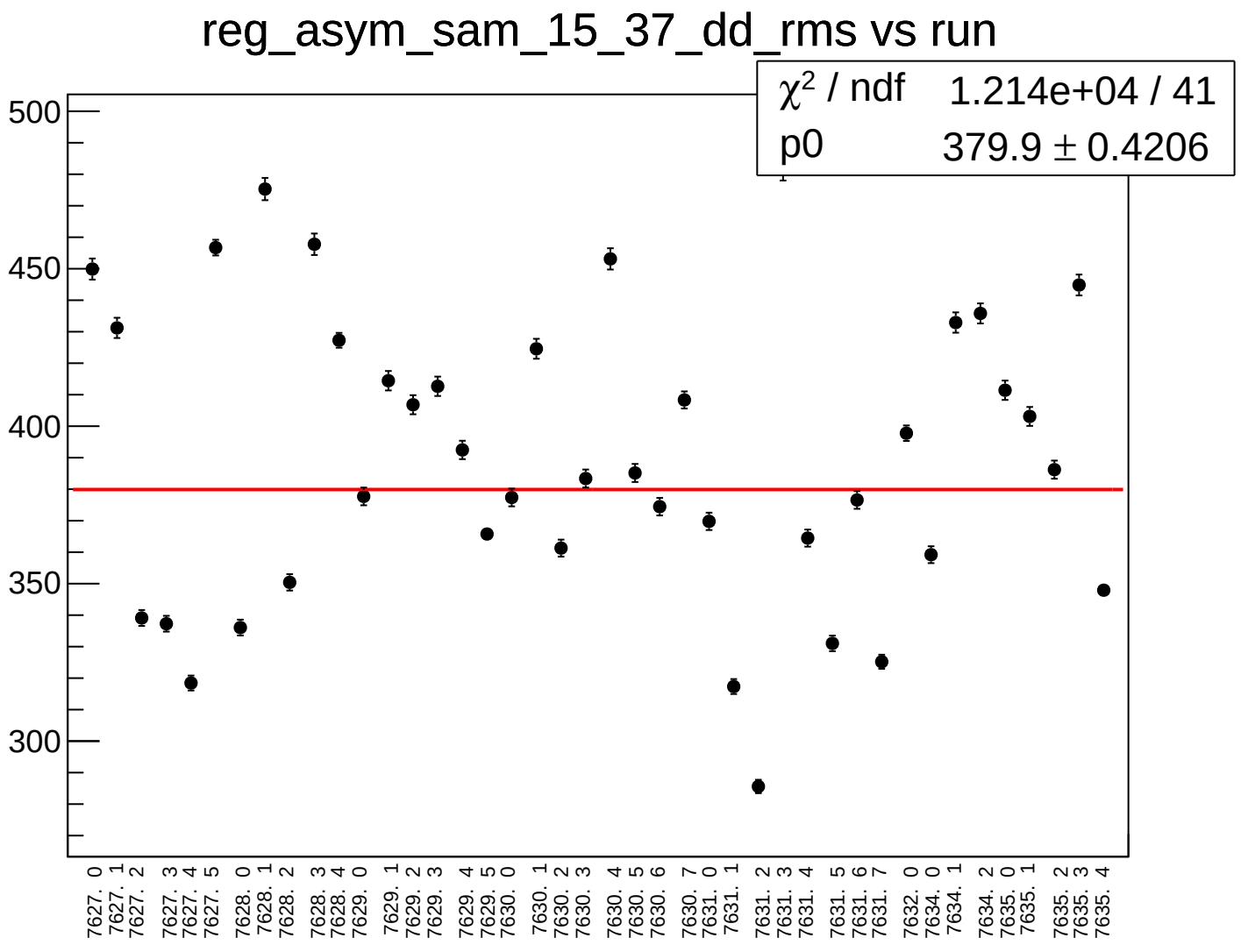


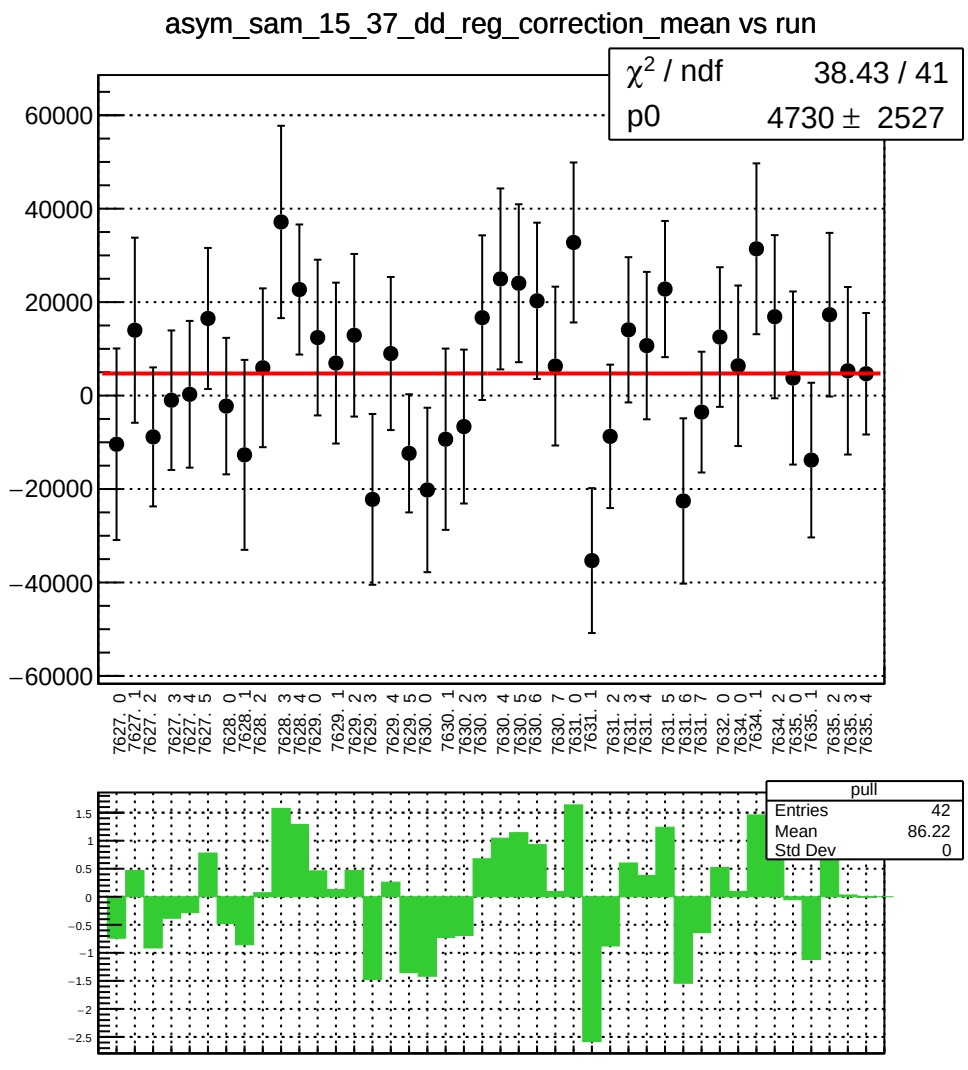

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.3e+04 / 41
p0 62.42 ± 0.07001
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

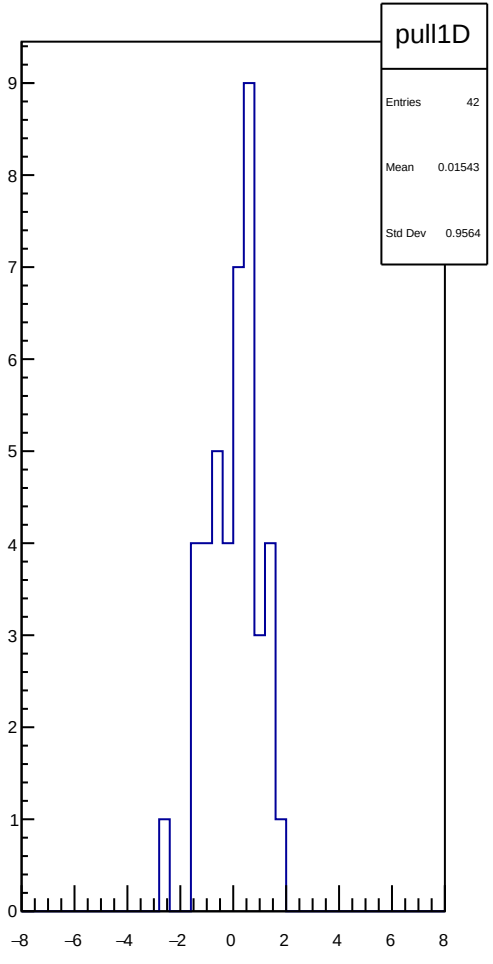

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 47.83 / 41
p0 −1.316e−13 ± 1.023e−12
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.77
Std Dev 9.12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.2015
Std Dev 1.048
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

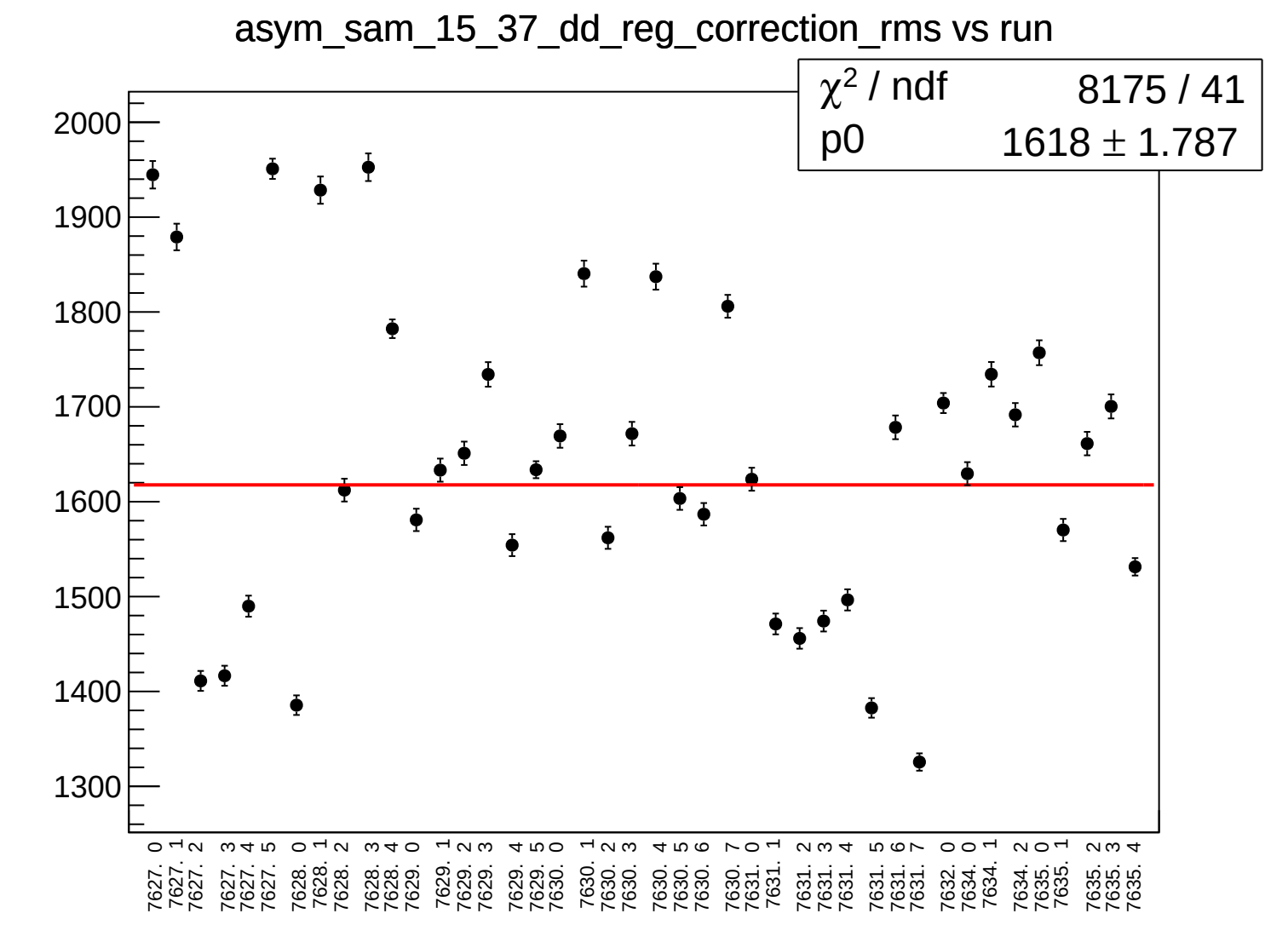

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.149e+05 / 41
p0 4.647e−10 ± 7.233e−13
6
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

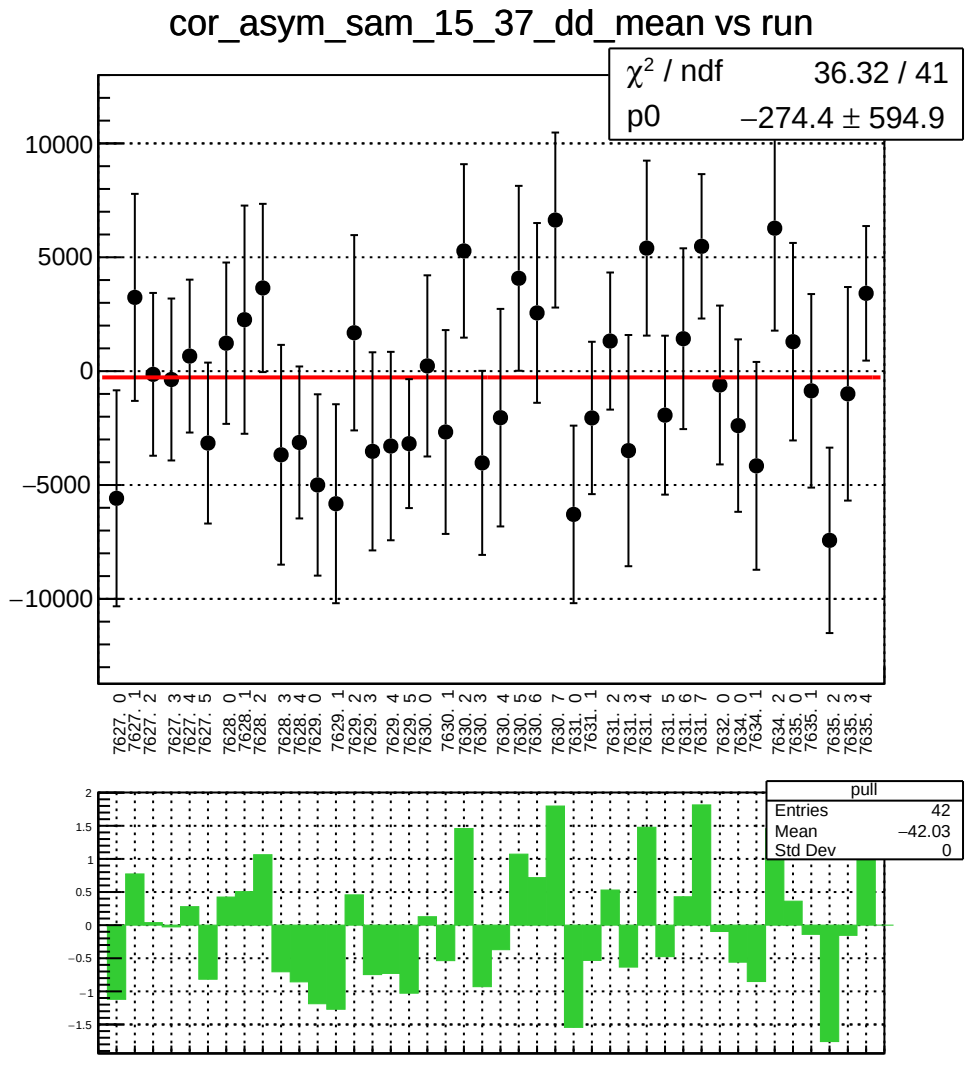

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 36.32 / 41
p0 −274.4 ± 594.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −42.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02443
Std Dev 0.9295
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

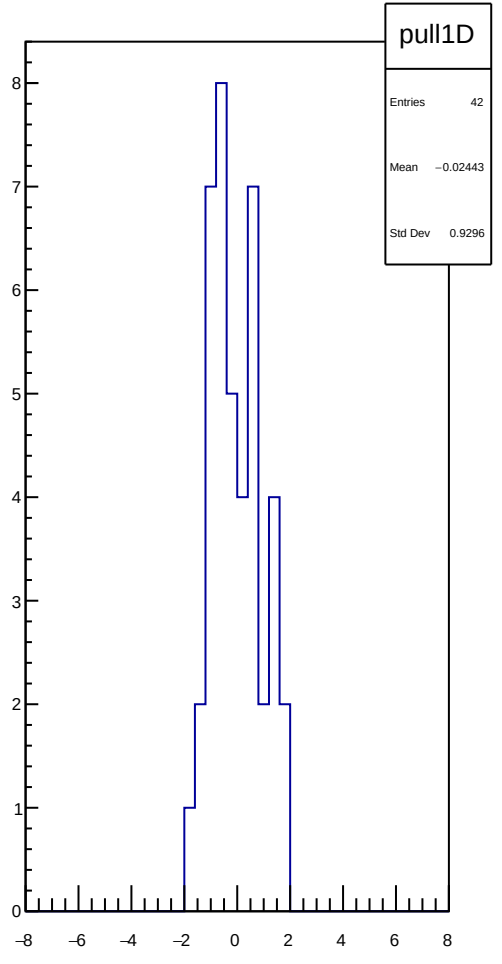

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.214e+04 / 41
p0 379.9 ± 0.4206
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

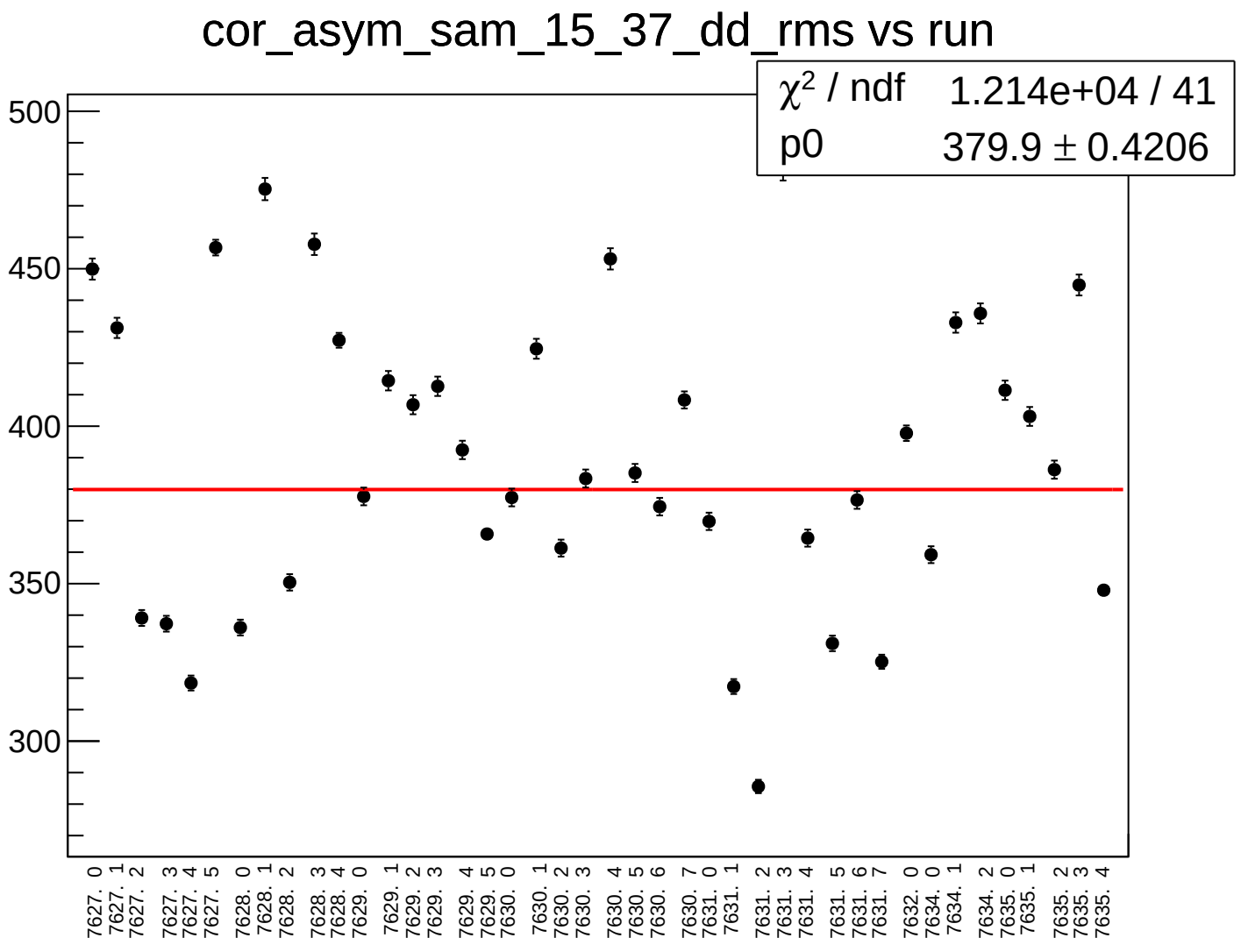

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 38.43 / 41
p0 4730 ± 2527
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 86.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

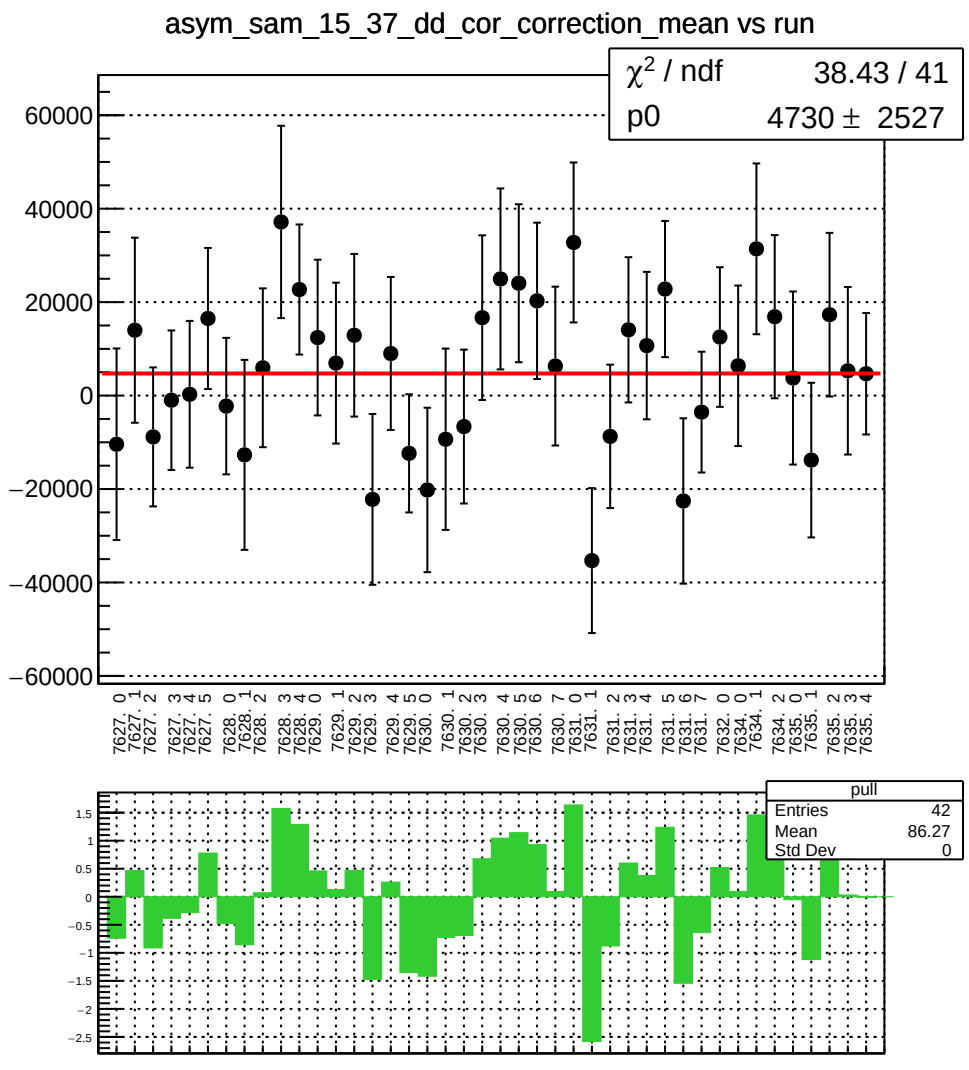

pull1D
Entries 42
Mean 0.01543
Std Dev 0.9564
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

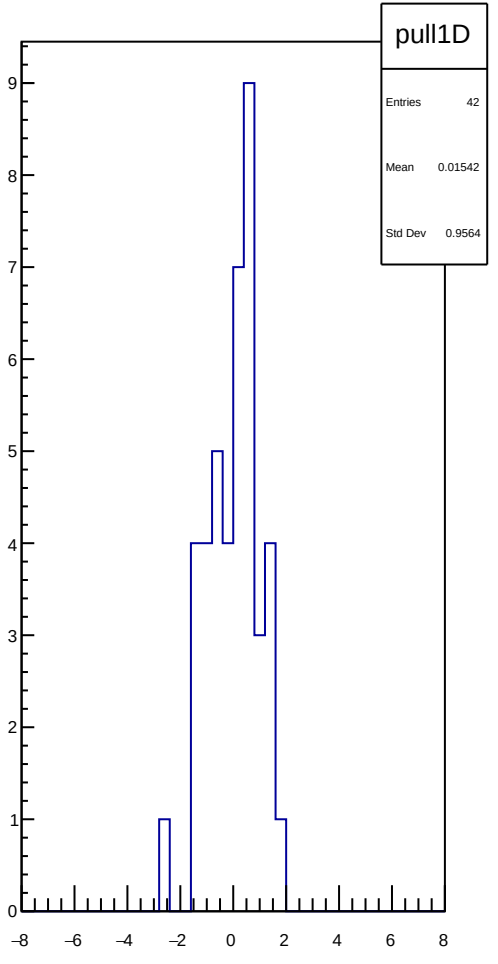

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 8175 / 41
p0 1618 ± 1.787
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

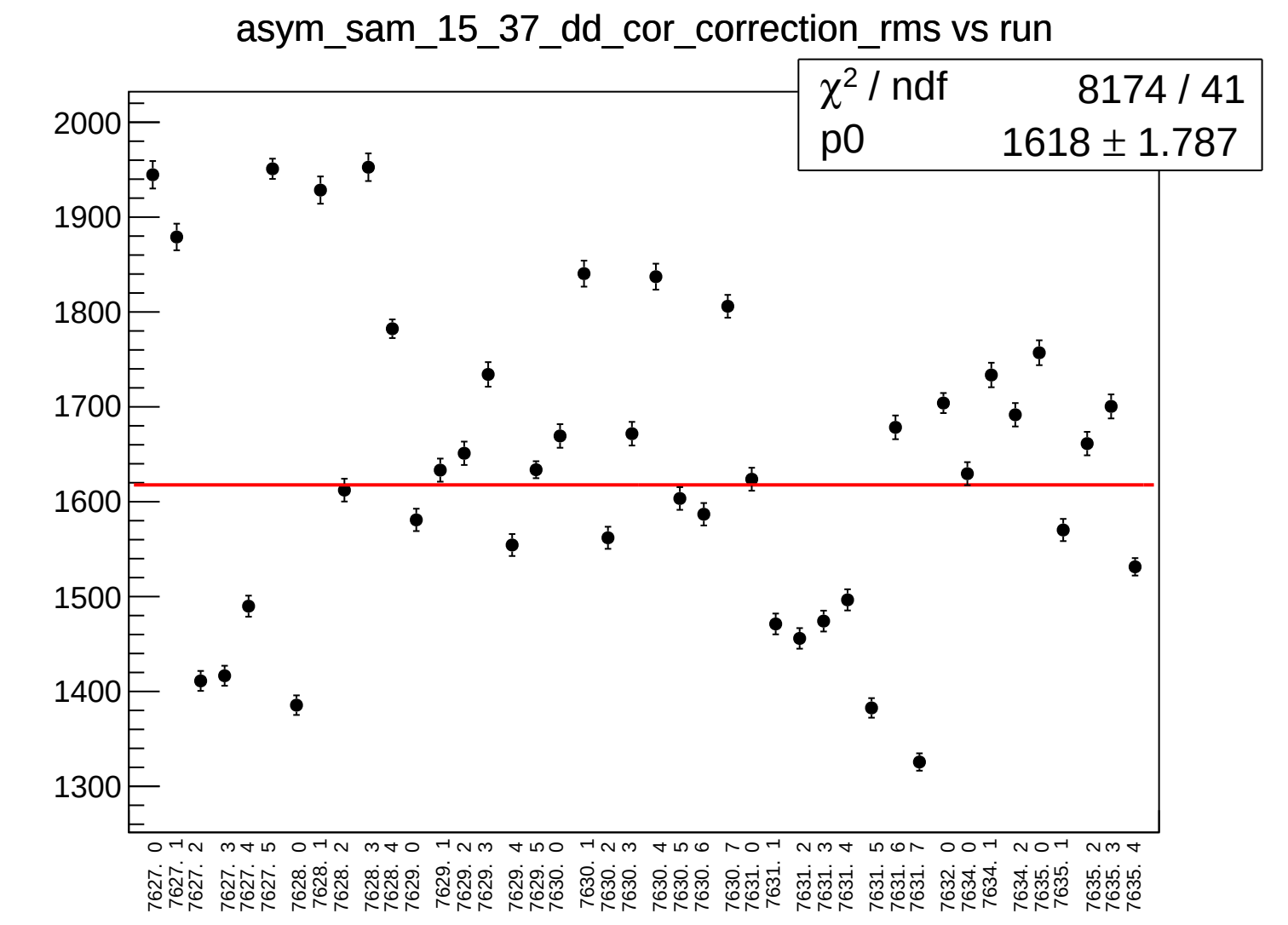

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 36.32 / 41
p0 −274.4 ± 594.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −42.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

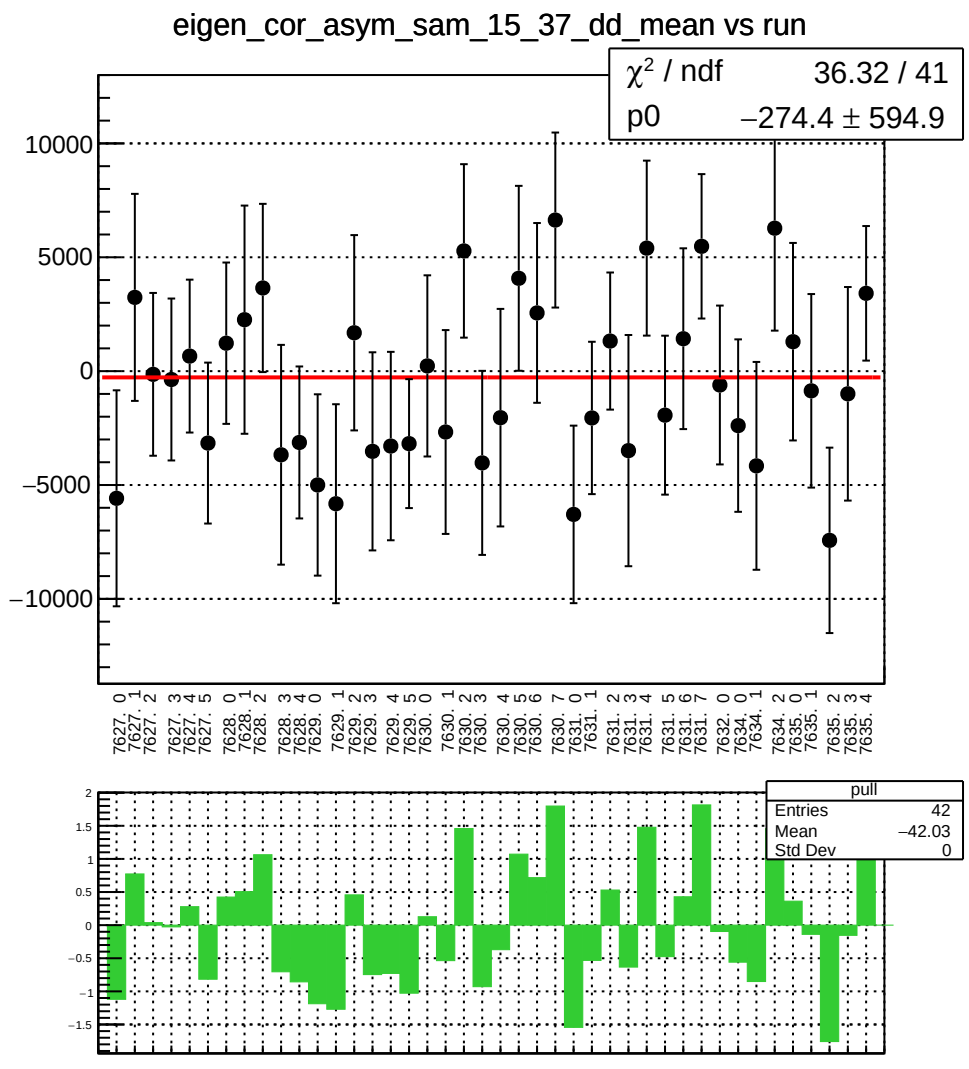

pull1D
Entries 42
Mean −0.02443
Std Dev 0.9296
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

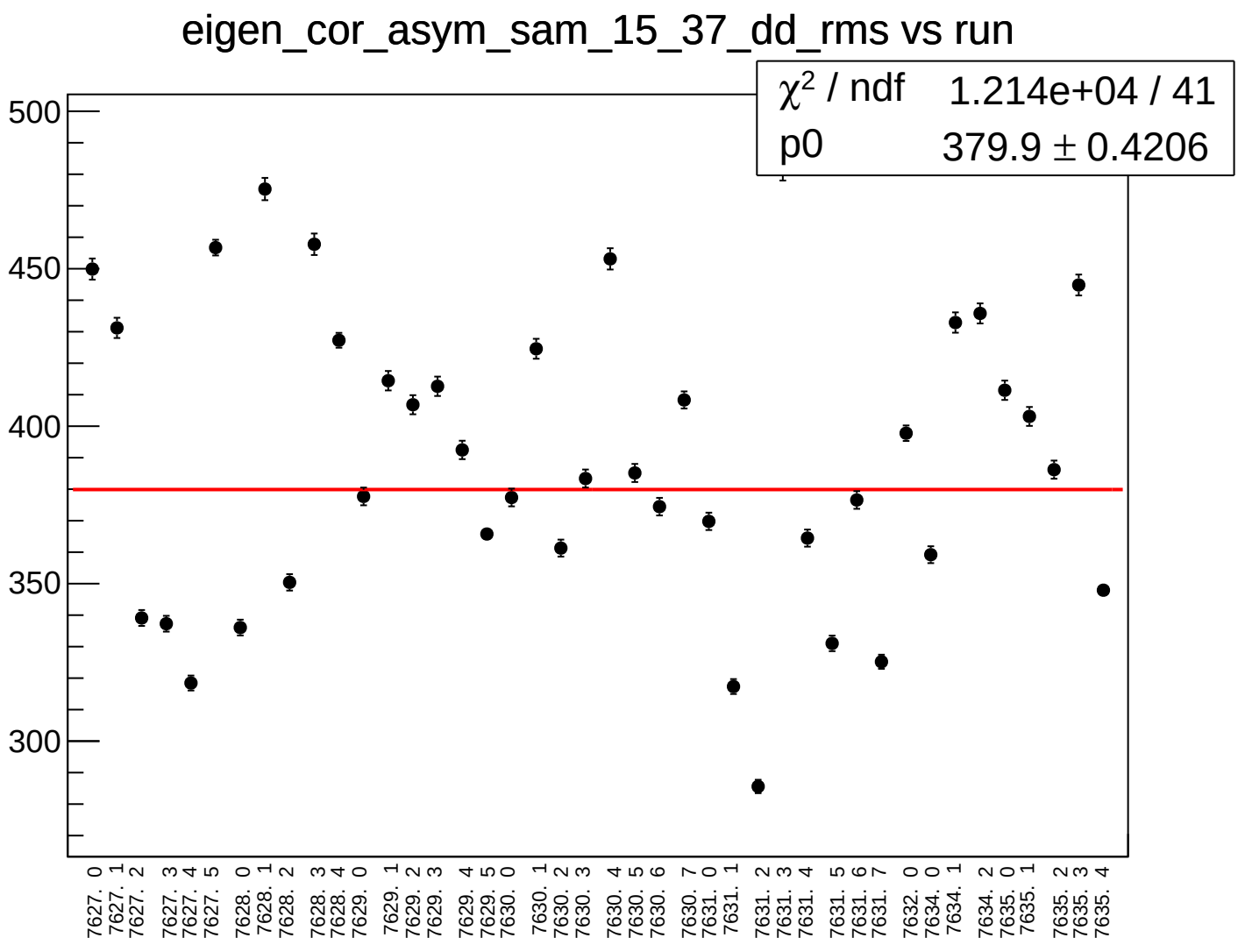

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.214e+04 / 41
p0 379.9 ± 0.4206
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

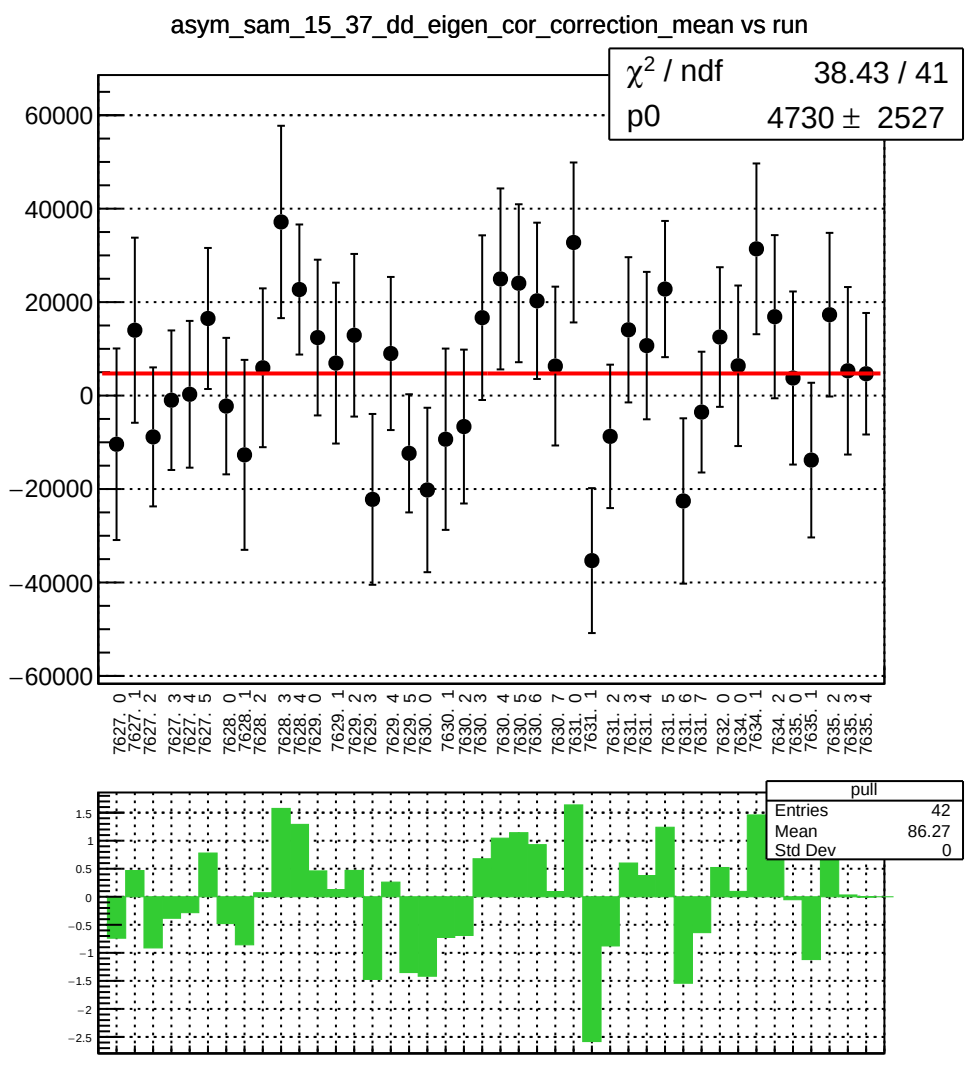

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 38.43 / 41
p0 4730 ± 2527
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 86.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

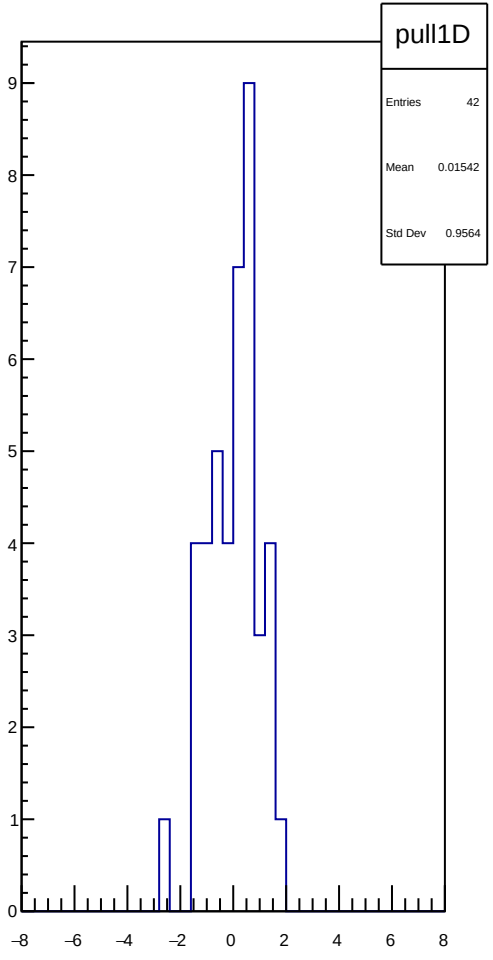

pull1D
Entries 42
Mean 0.01542
Std Dev 0.9564
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

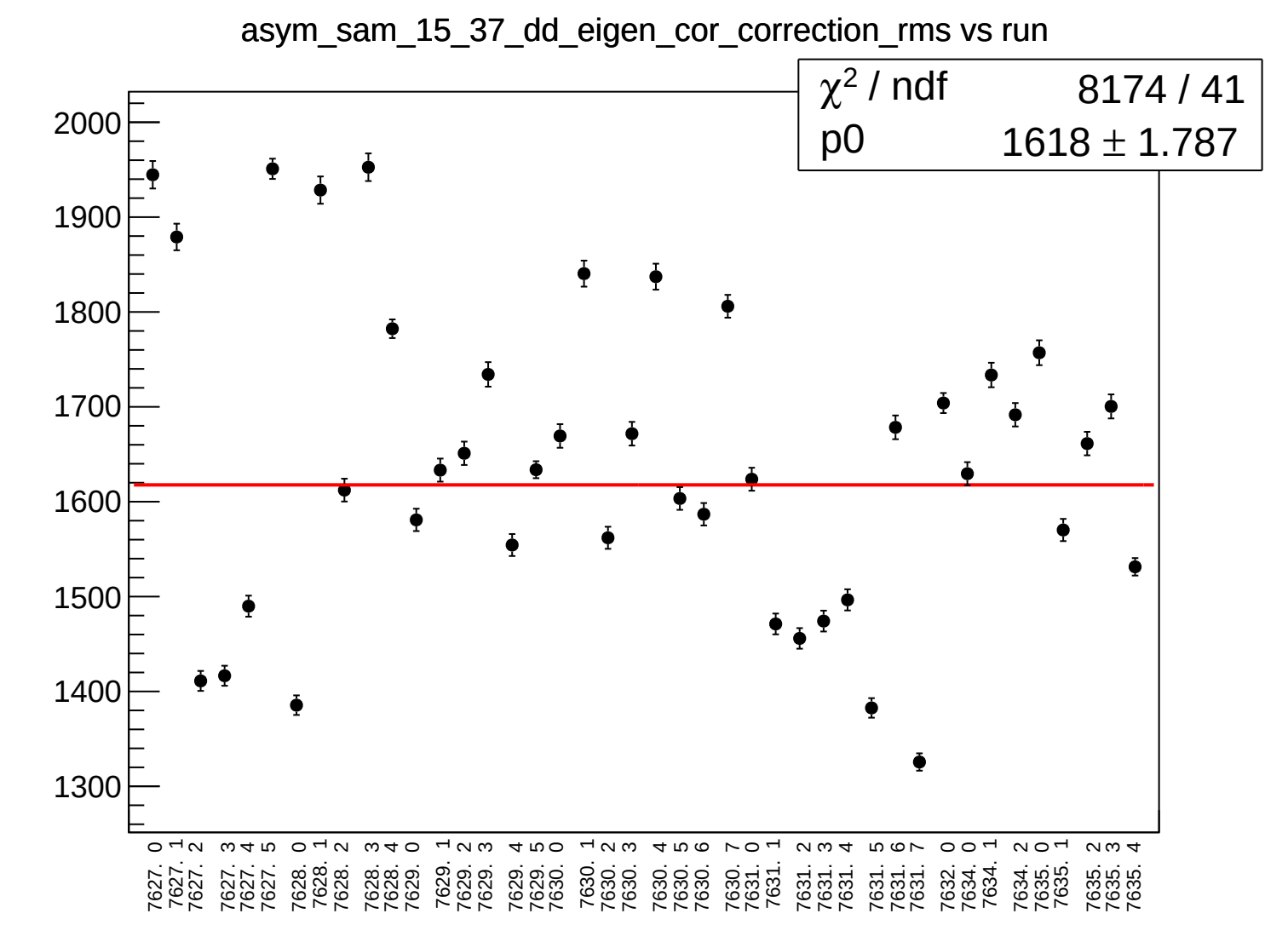

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 8174 / 41
p0 1618 ± 1.787
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

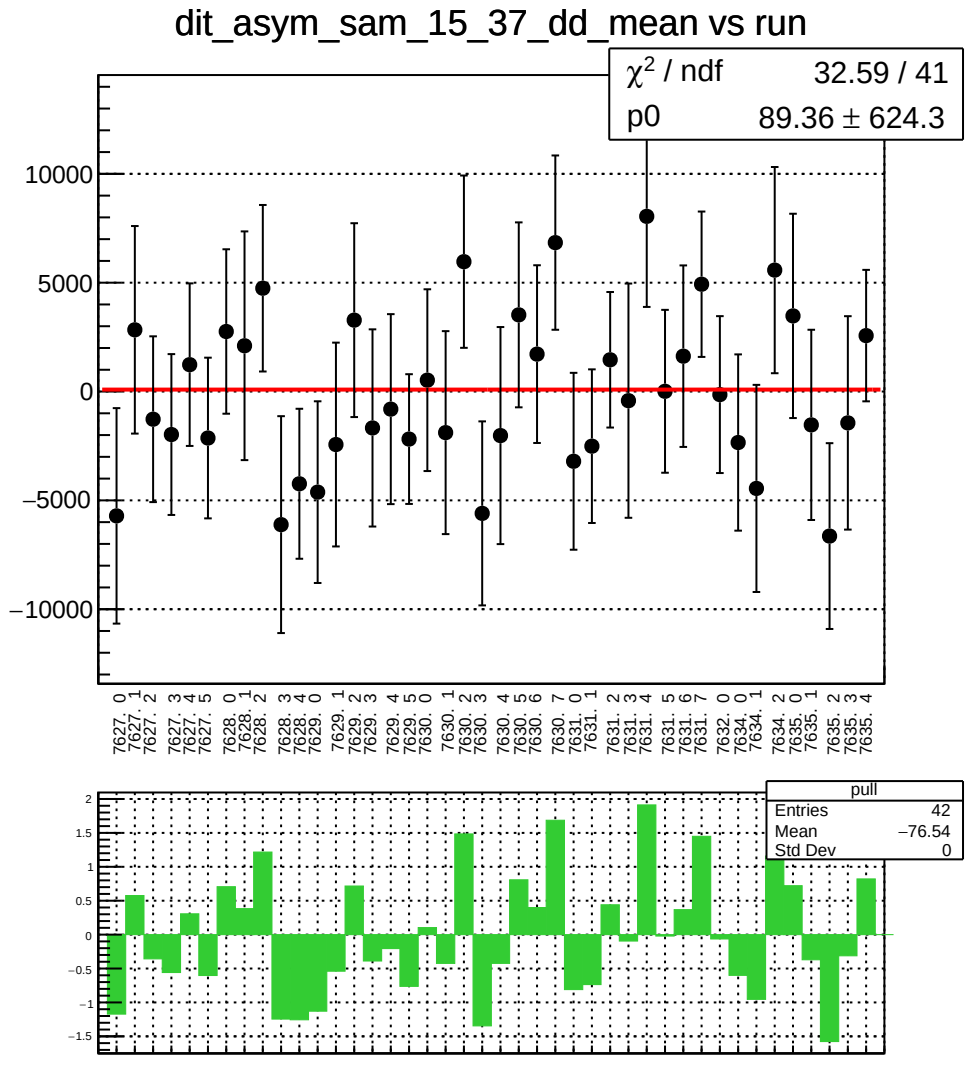

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 36.32 / 41
p0 −274.4 ± 594.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −42.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02443
Std Dev 0.9296
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

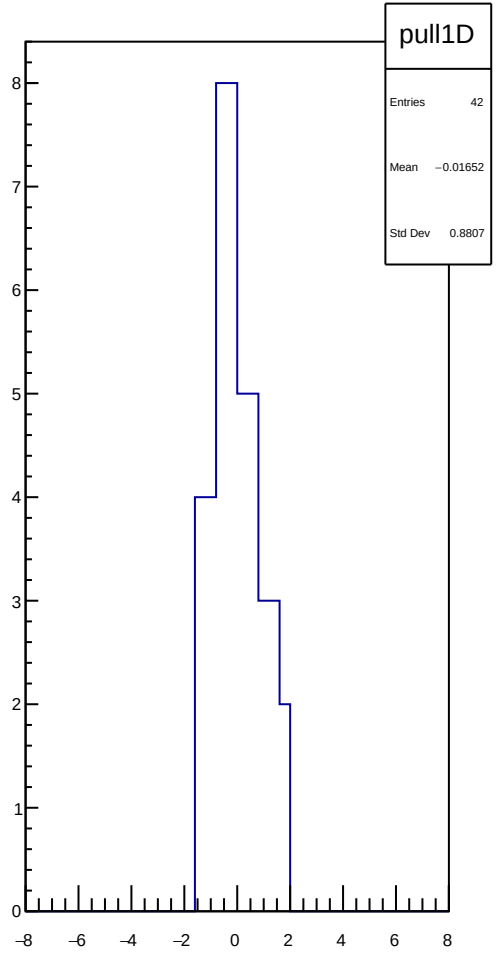

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.214e+04 / 41
p0 379.9 ± 0.4206
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

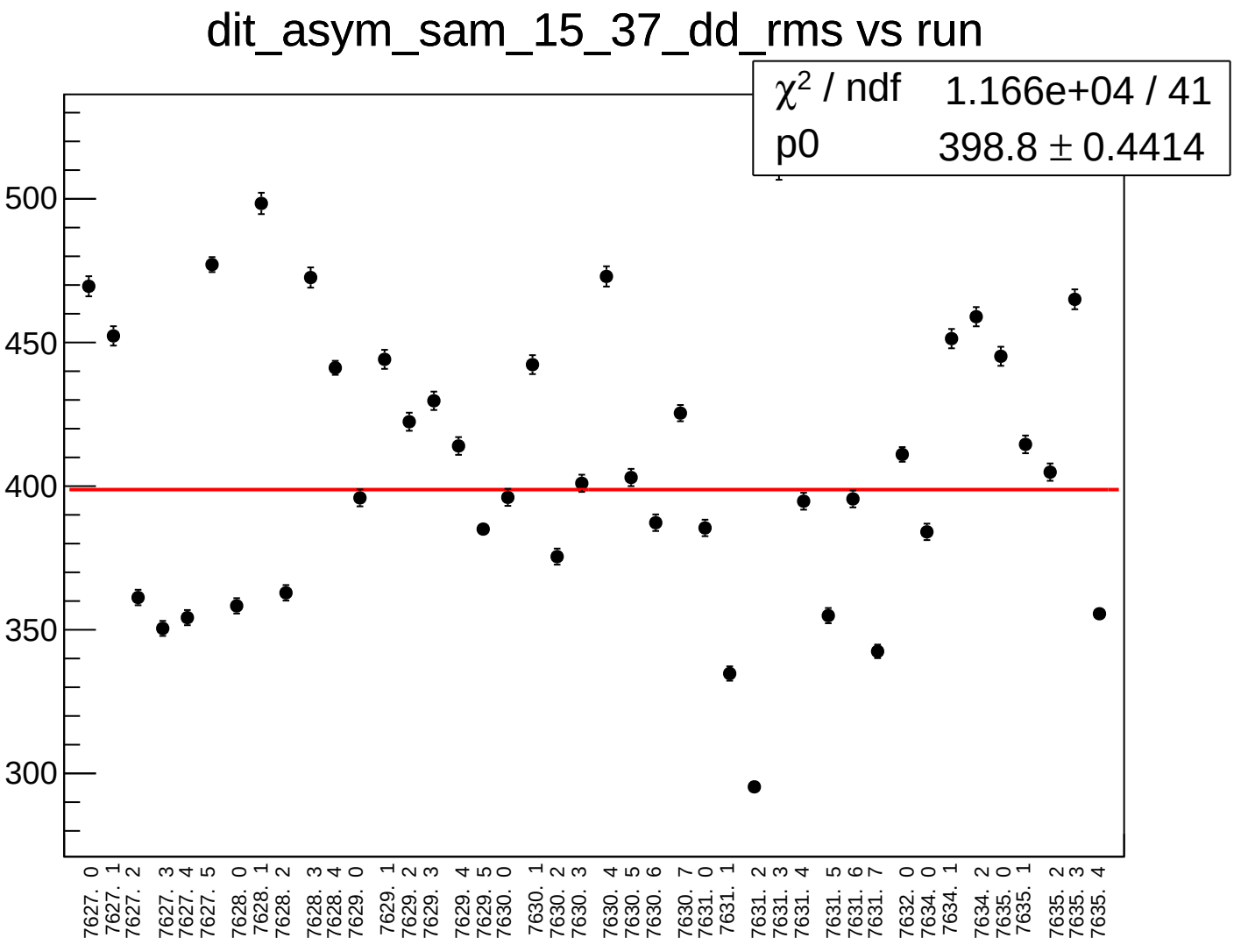

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 38.43 / 41
p0 4730 ± 2527
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 86.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

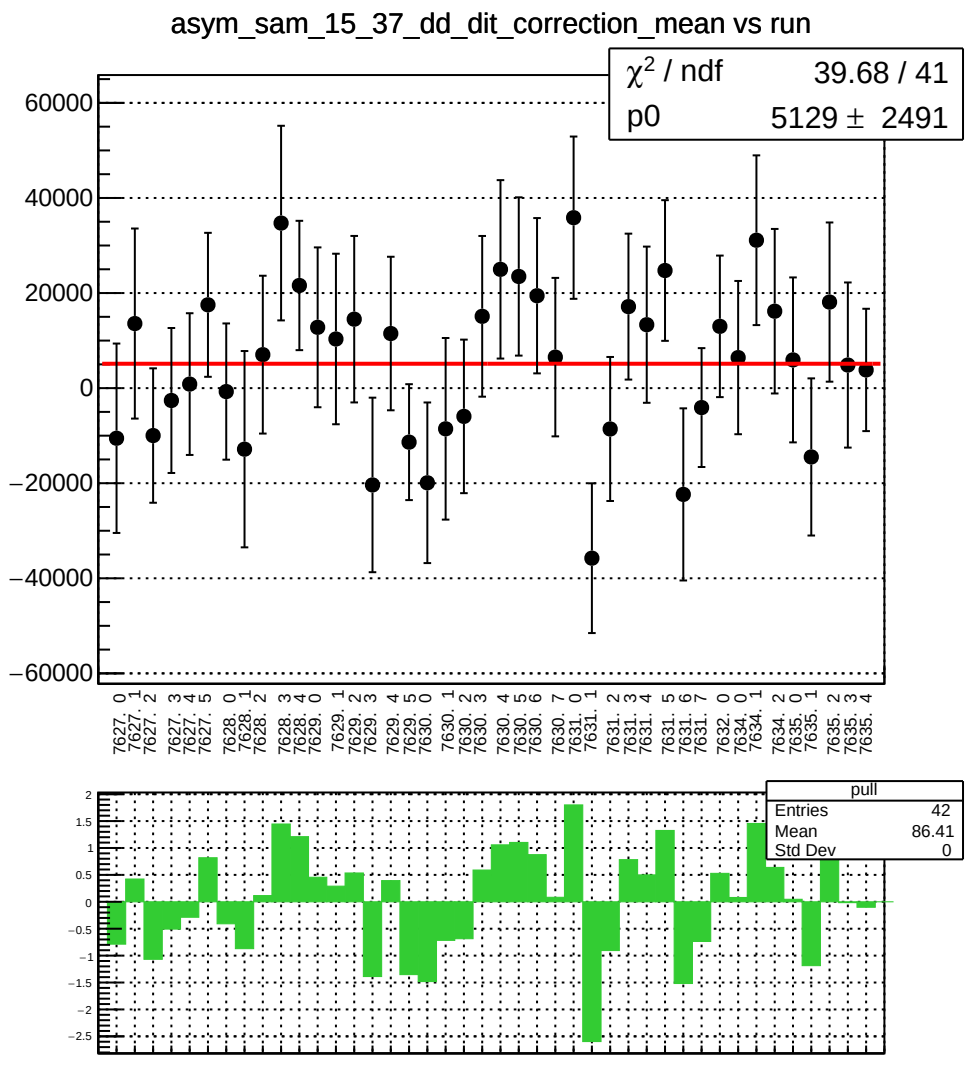

pull1D
Entries 42
Mean 0.01542
Std Dev 0.9564
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

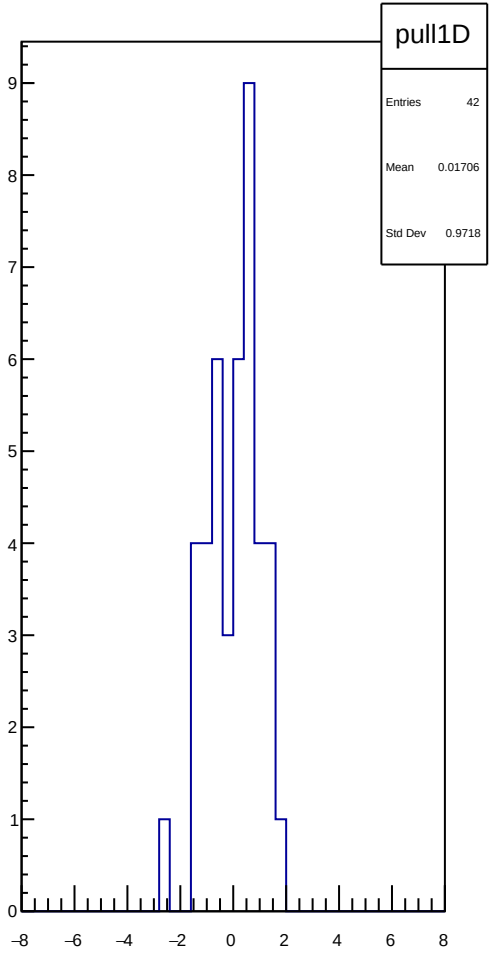

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 8174 / 41
p0 1618 ± 1.787
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

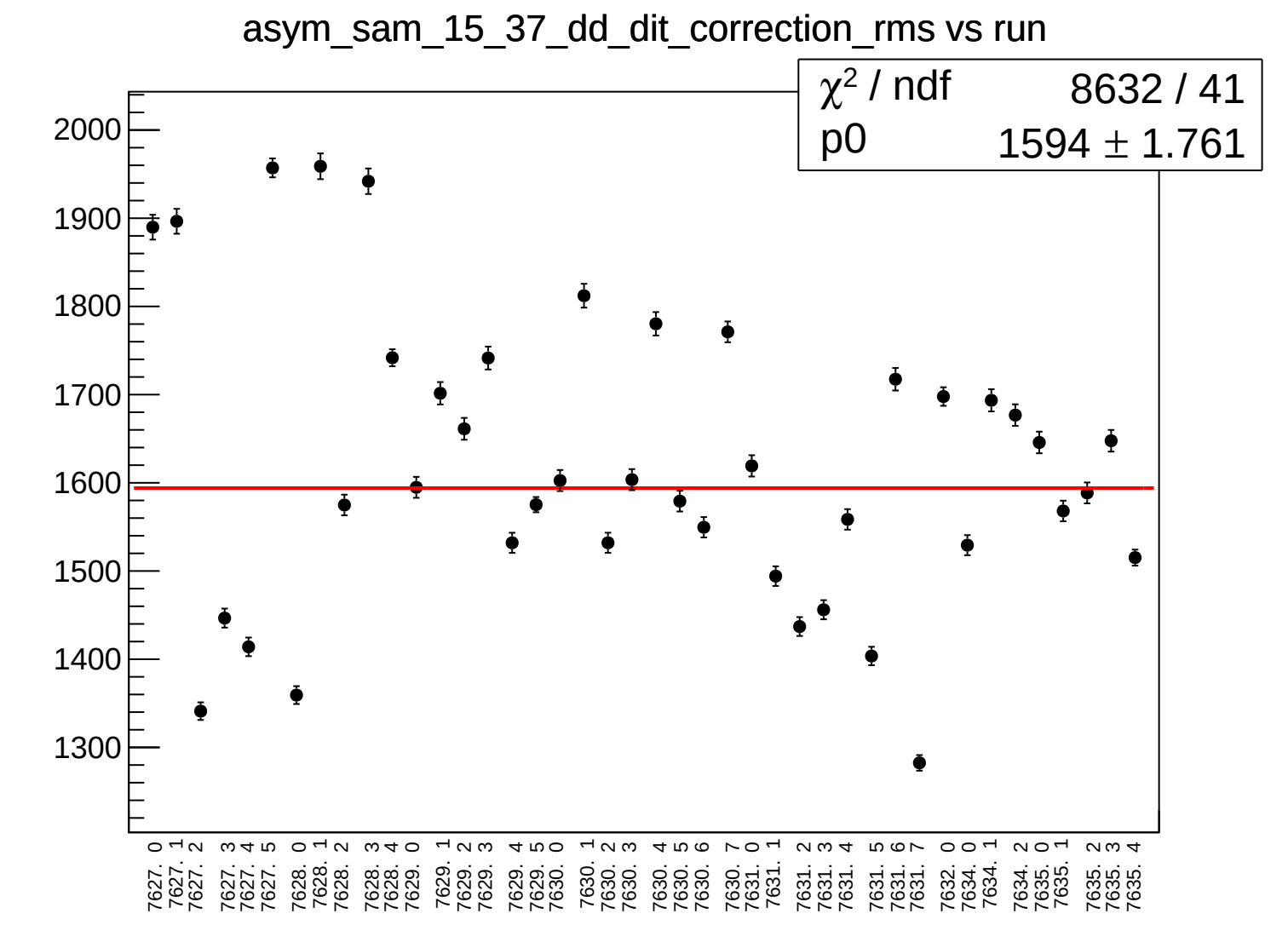

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 32.59 / 41
p0 89.36 ± 624.3
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −76.54
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

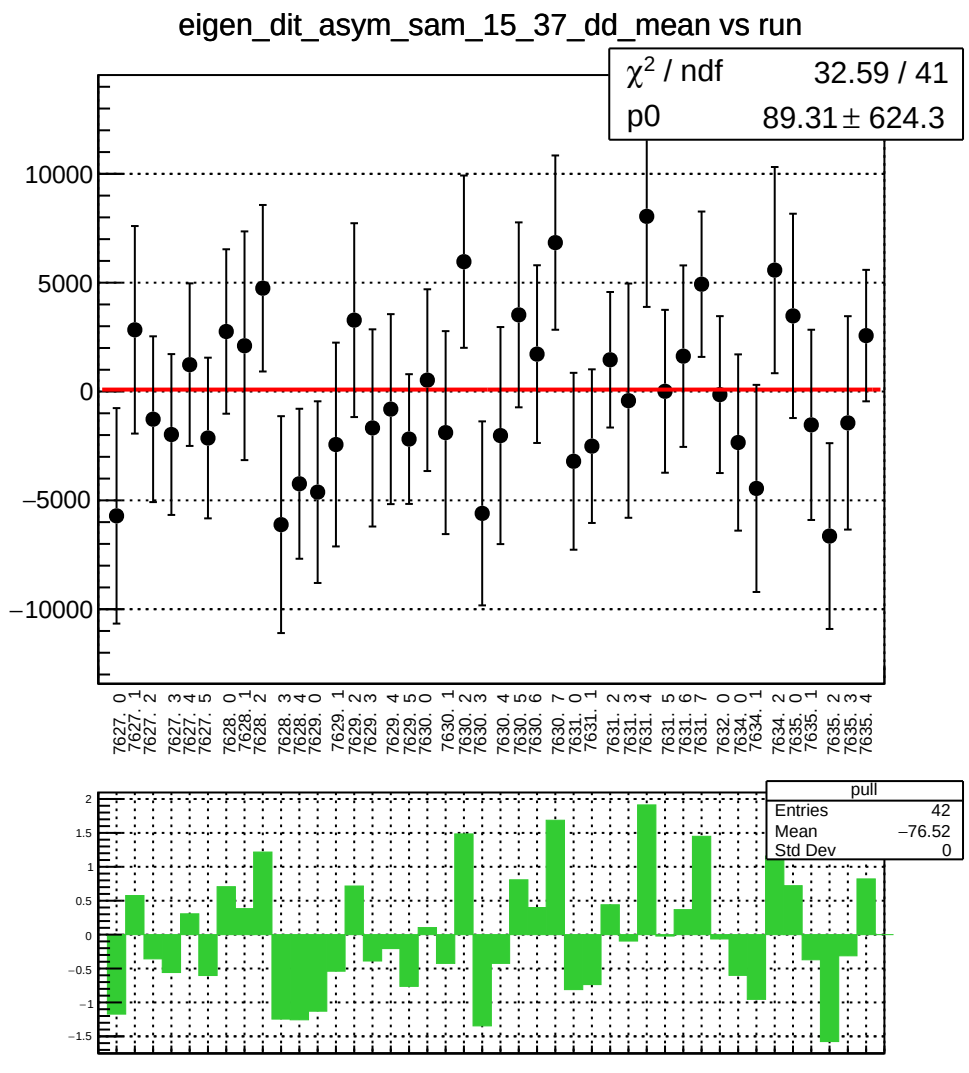

pull1D
Entries 42
Mean −0.01652
Std Dev 0.8807
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.166e+04 / 41
p0 398.8 ± 0.4414
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 39.68 / 41
p0 5129 ± 2491
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 86.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.01706
Std Dev 0.9718
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 8632 / 41
p0 1594 ± 1.761
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 32.59 / 41
p0 89.31 ± 624.3
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −76.52
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.01652
Std Dev 0.8807
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
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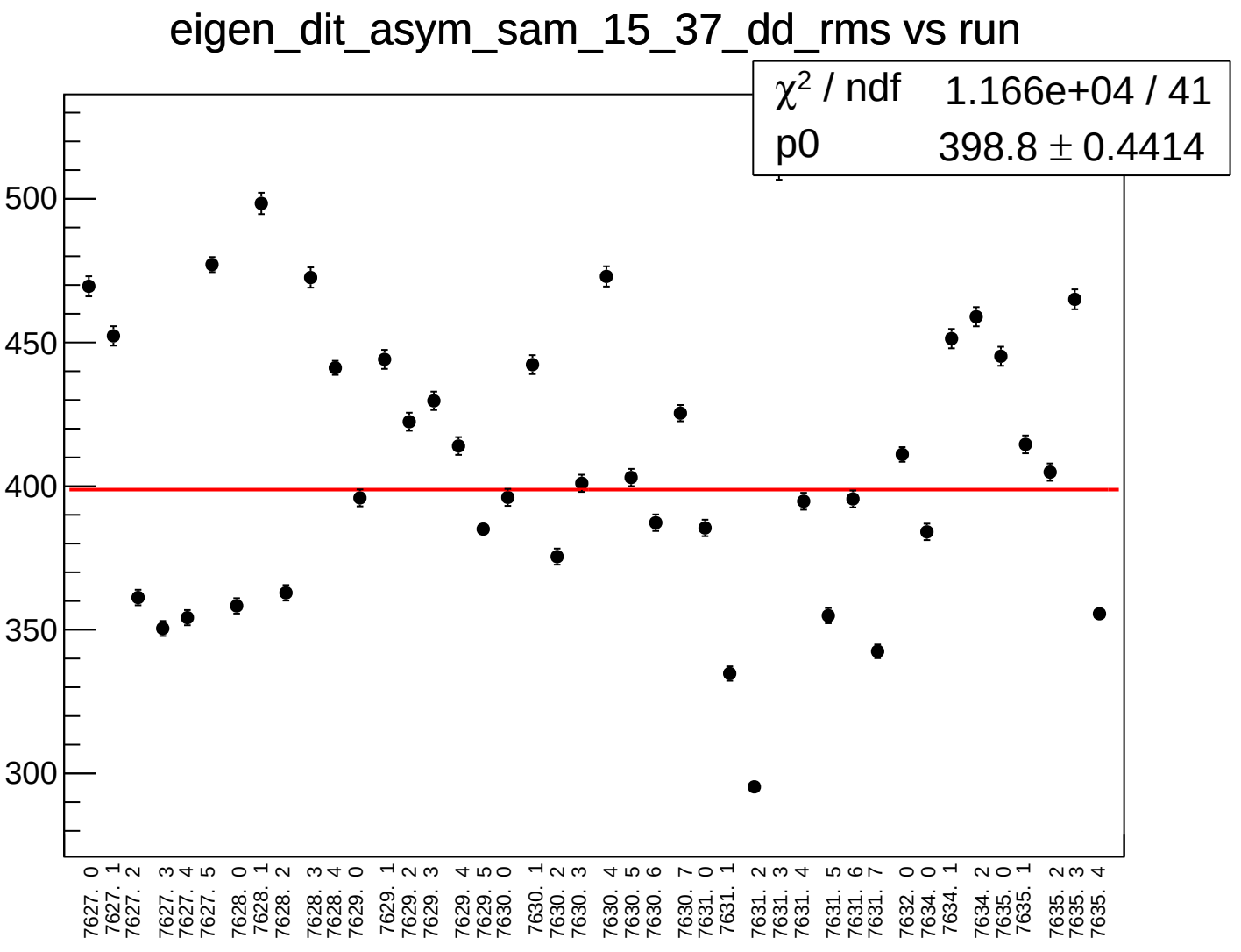
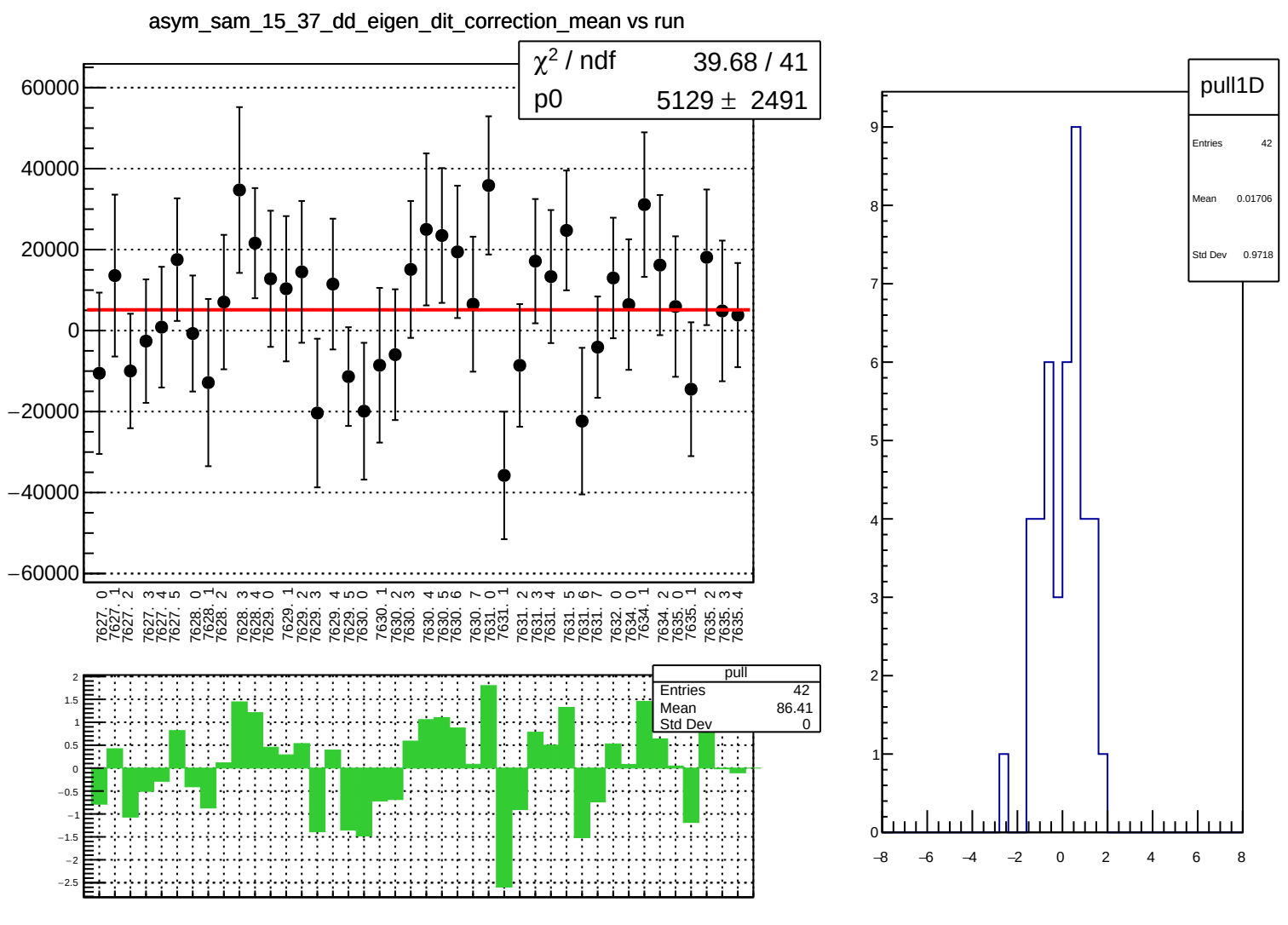
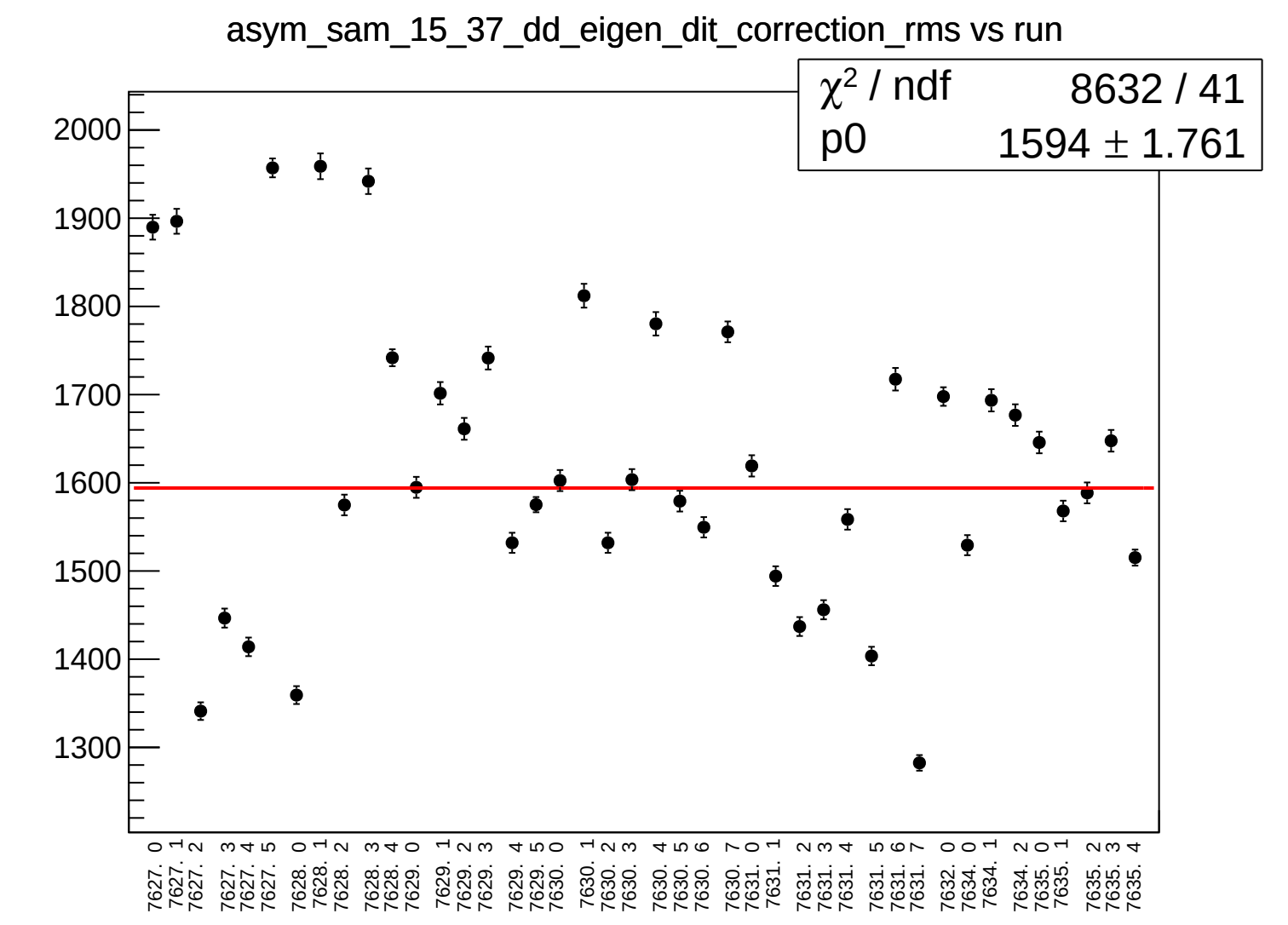
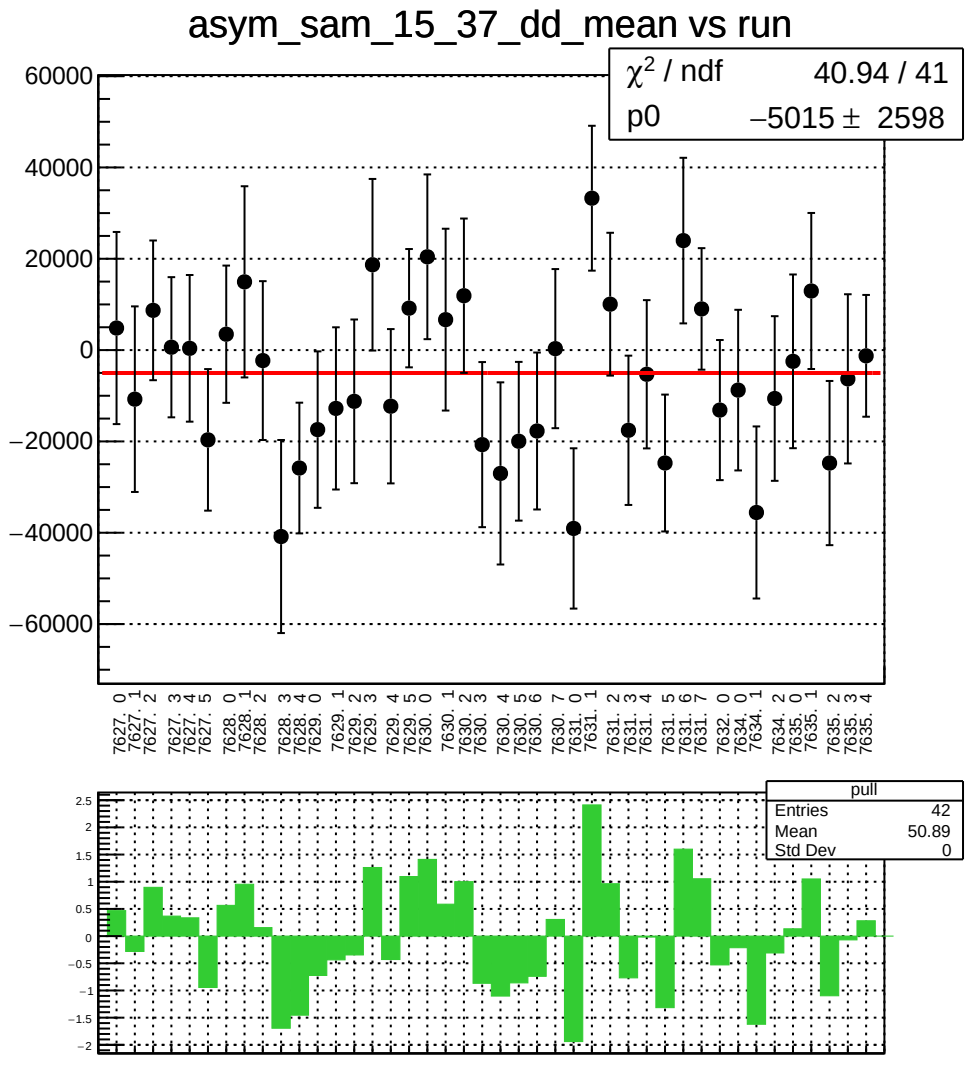
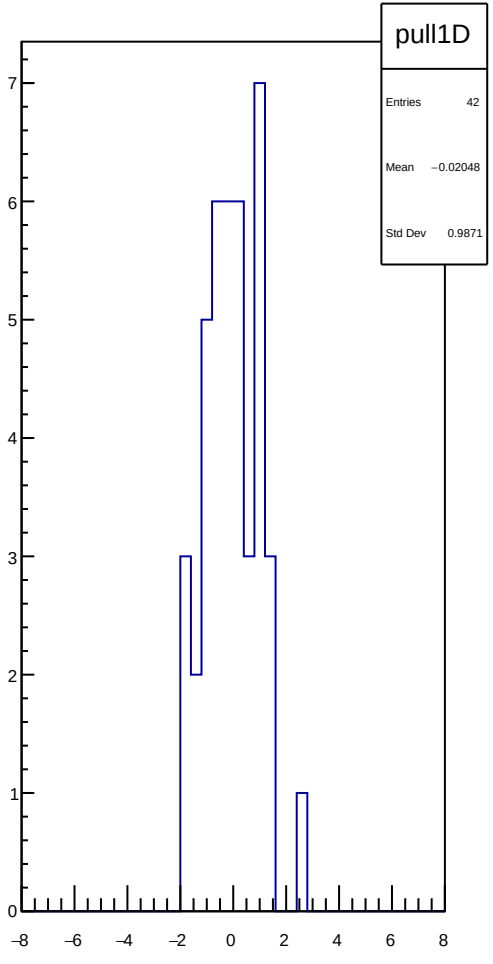
2
4
6
8

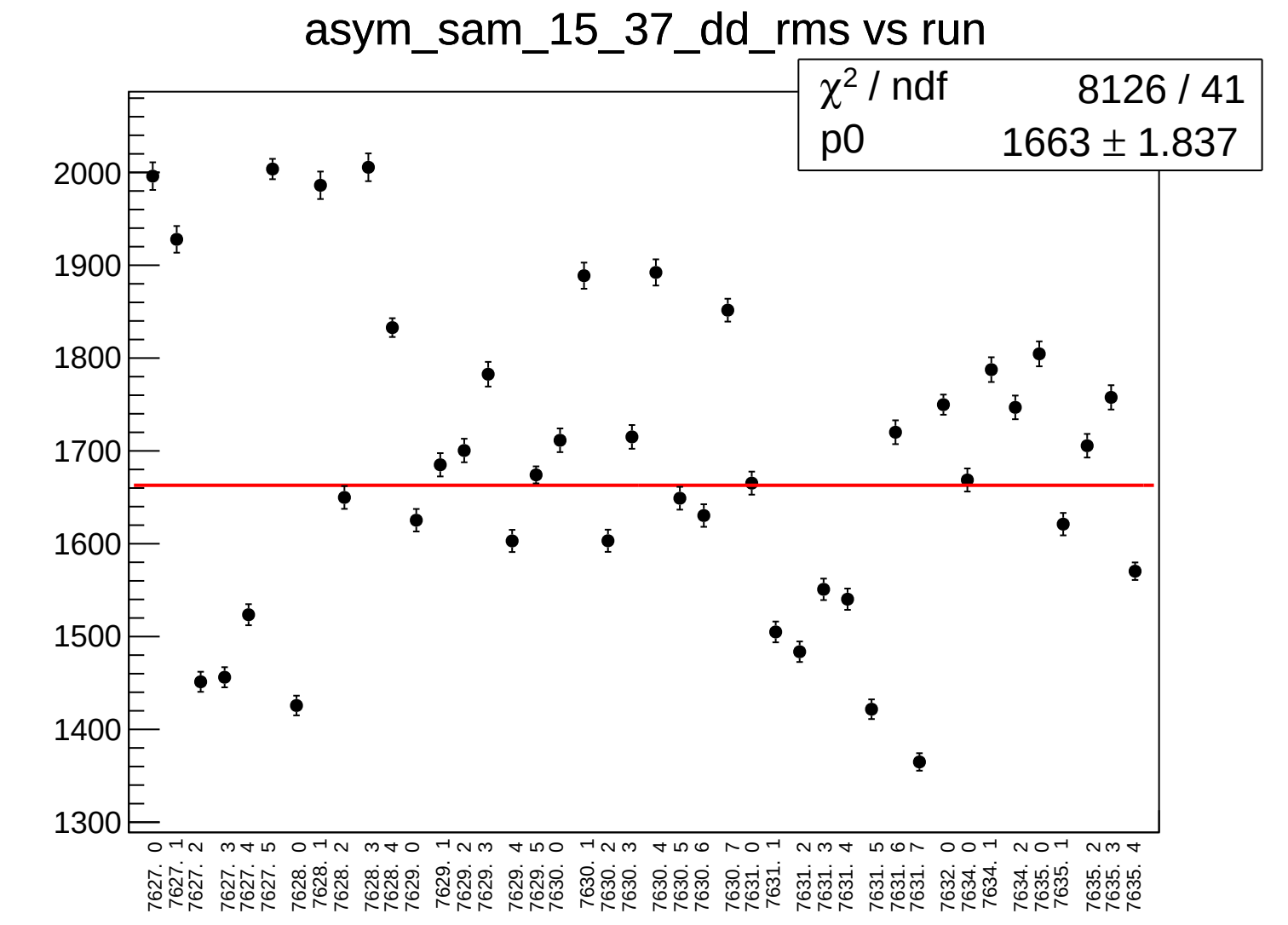

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.166e+04 / 41
p0 398.8 ± 0.4414
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

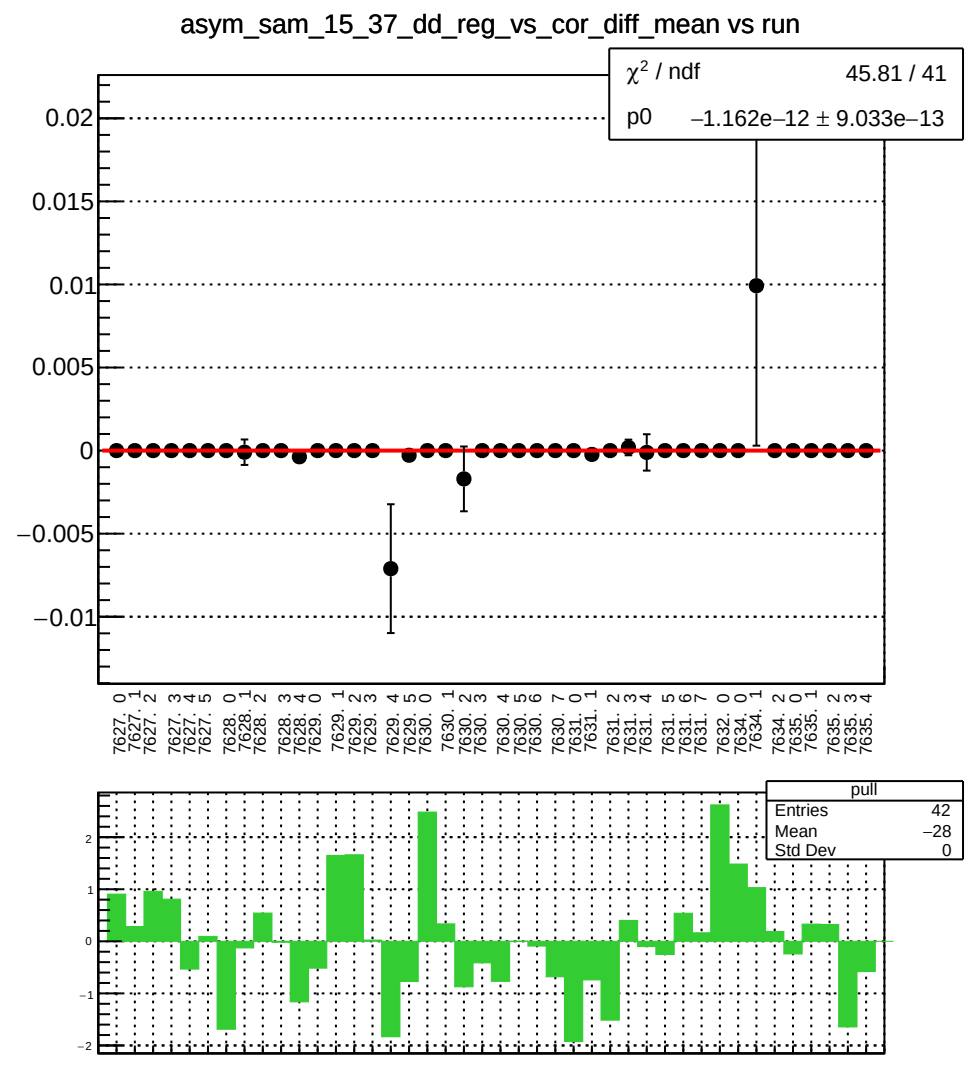

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.68 / 41
p0 5129 ± 2491
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 86.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.01706
Std Dev 0.9718
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

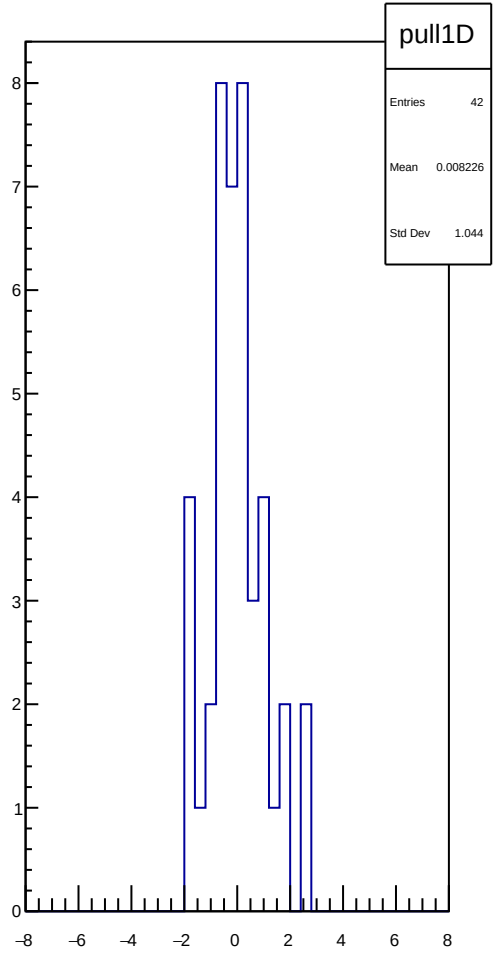

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 8632 / 41
p0 1594 ± 1.761
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

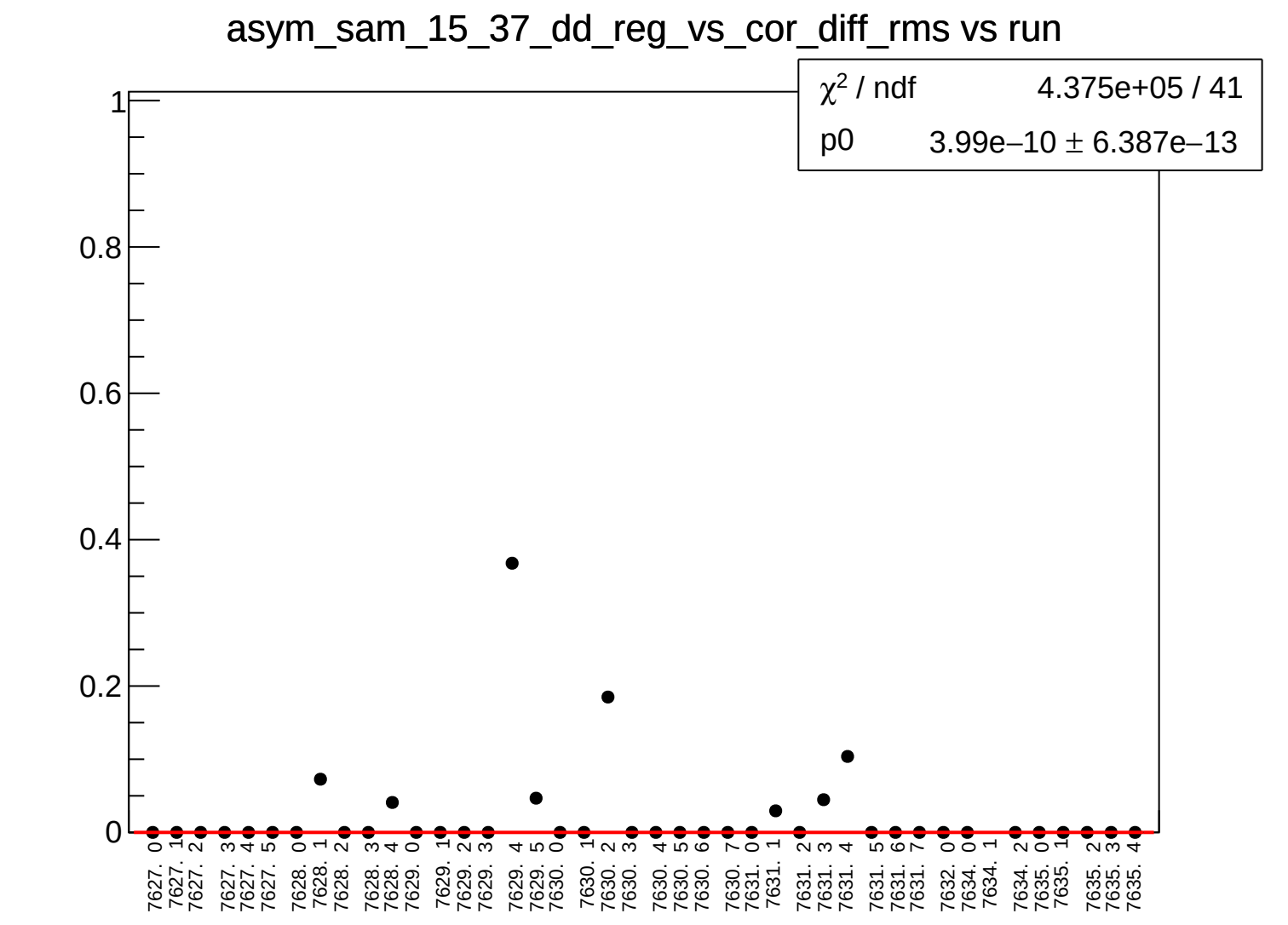

asym_sam_15_37_dd_mean vs run
χ² / ndf 40.94 / 41
p0 −5015 ± 2598
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 50.89
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

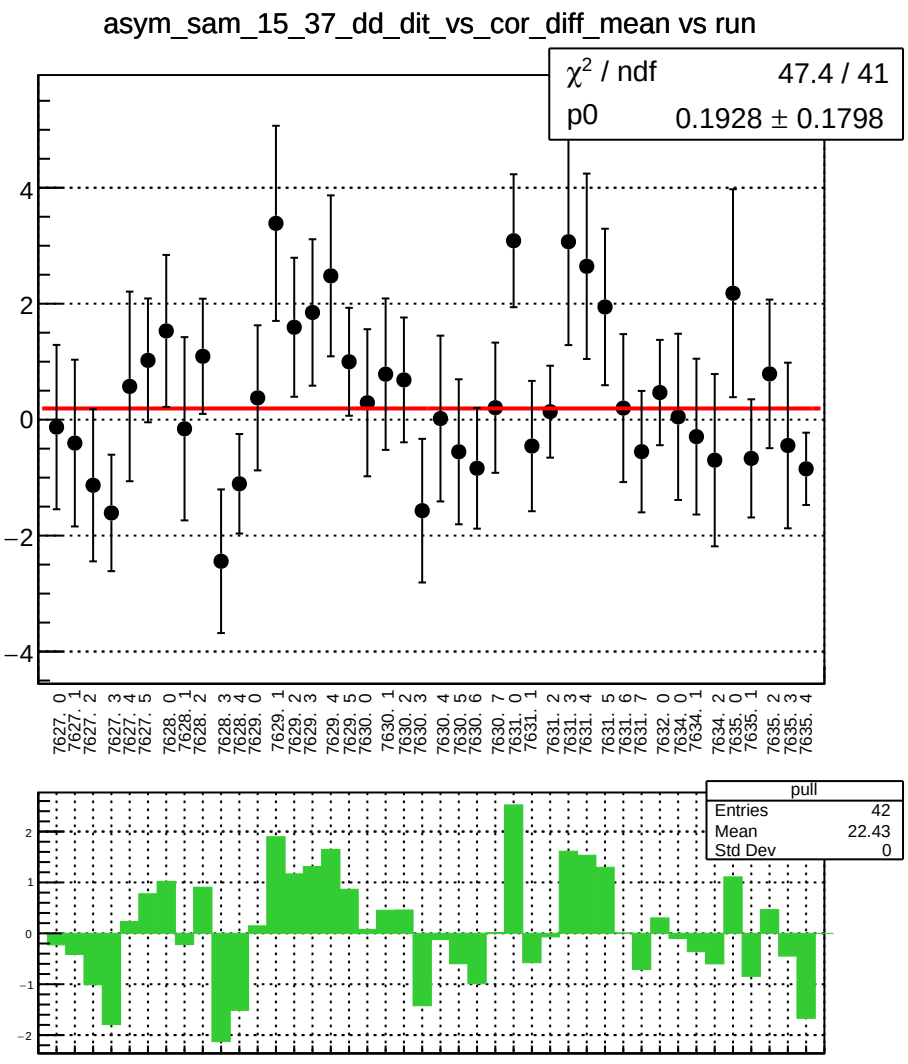

pull1D
Entries 42
Mean −0.02048
Std Dev 0.9871
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

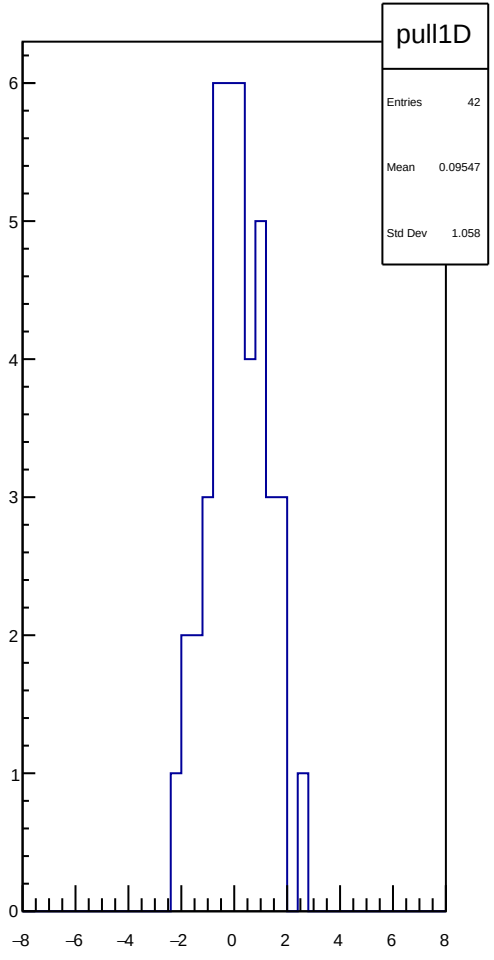

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 8126 / 41
p0 1663 ± 1.837
2000
1900
1800
1700
1600
1500
1400
1300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

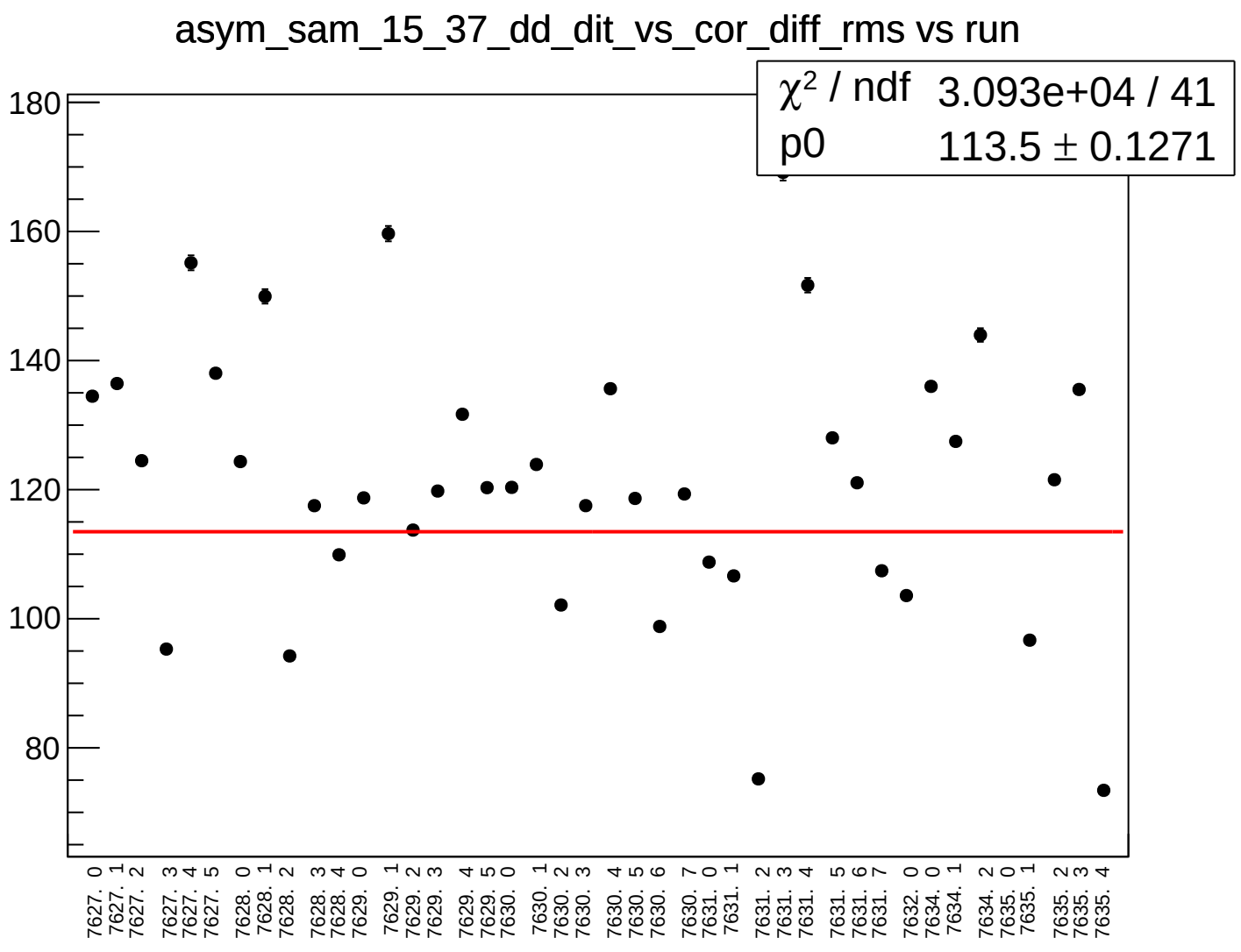

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.81 / 41
p0 −1.162e−12 ± 9.033e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28
Std Dev 0
2
1
0
−1
−2

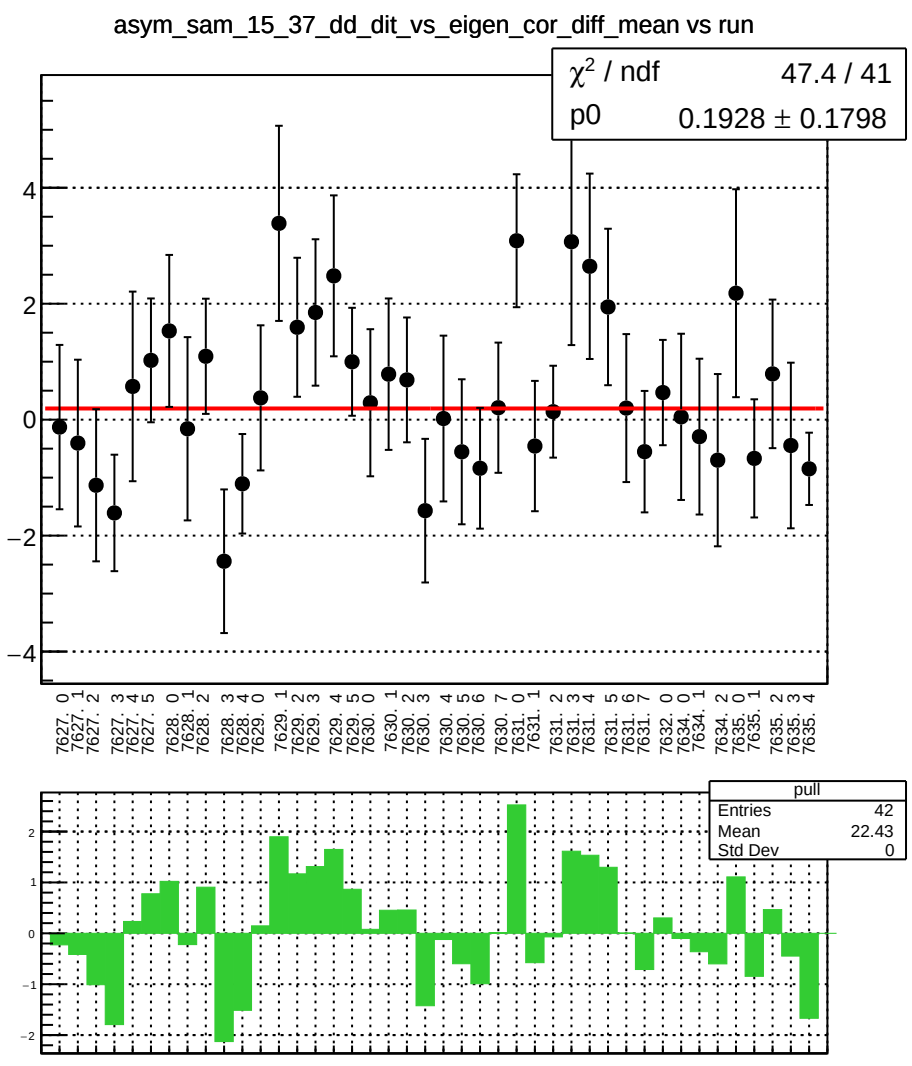

pull1D
Entries 42
Mean 0.008226
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

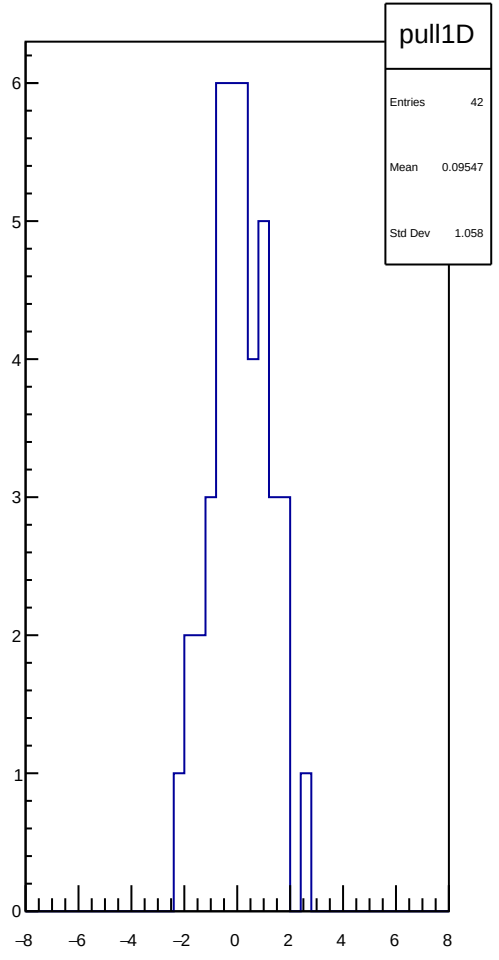

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.375e+05 / 41
p0 3.99e−10 ± 6.387e−13
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

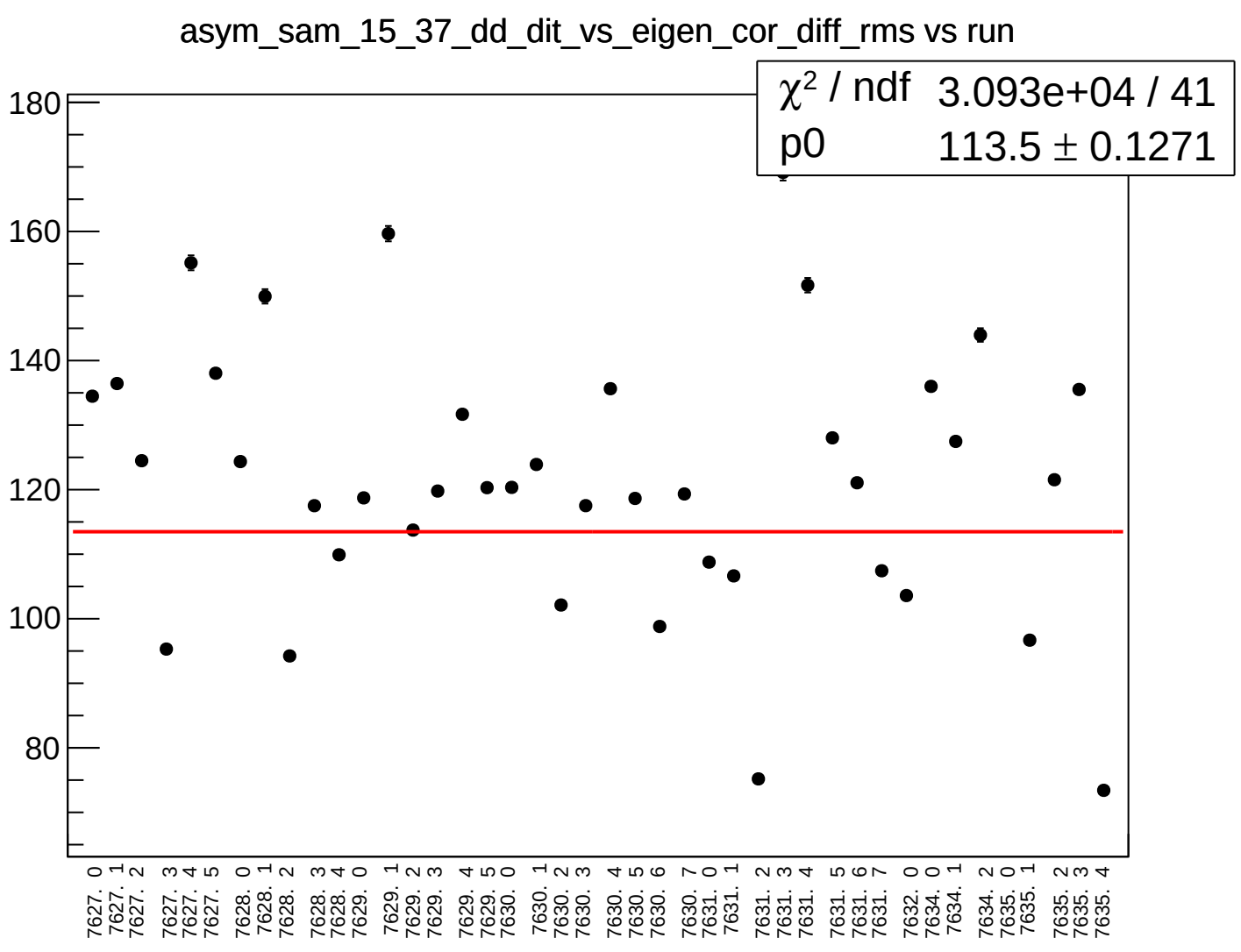

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.4 / 41
p0 0.1928 ± 0.1798
pull
Entries 42
Mean 22.43
Std Dev 0

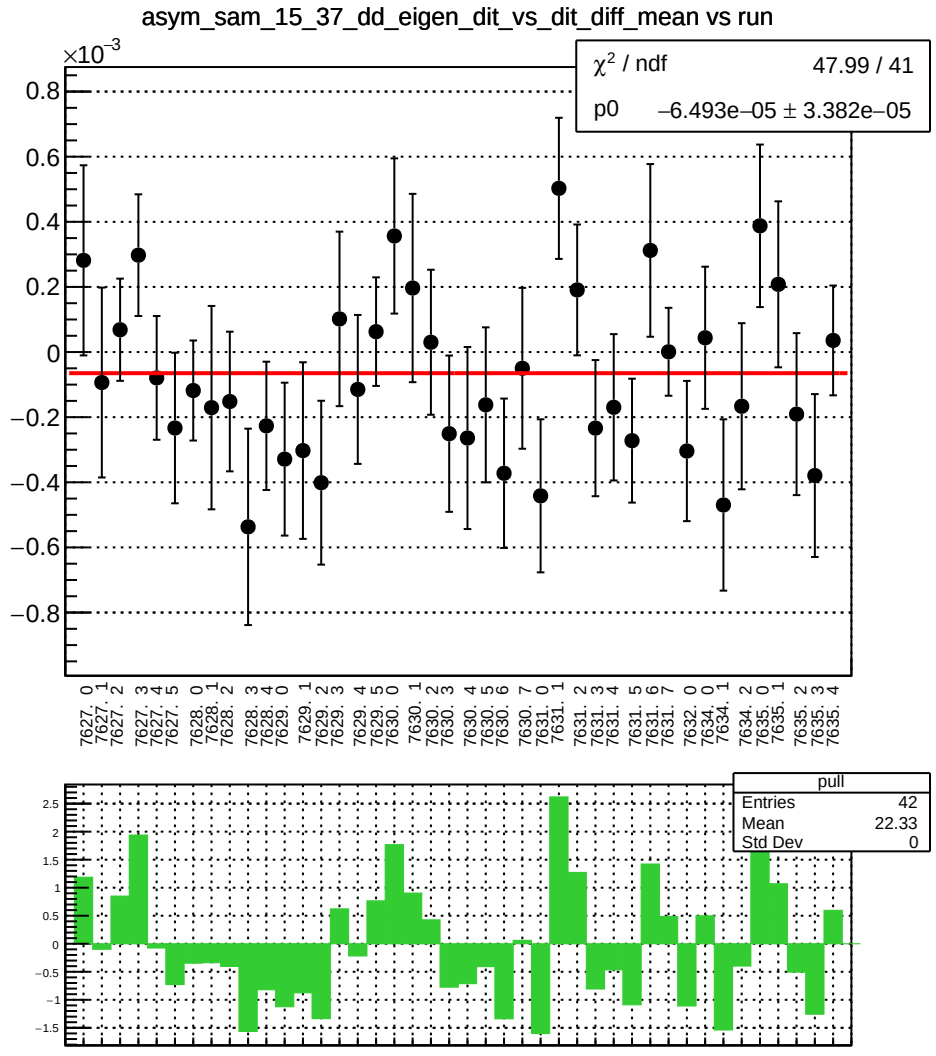

pull1D
Entries 42
Mean 0.09547
Std Dev 1.058

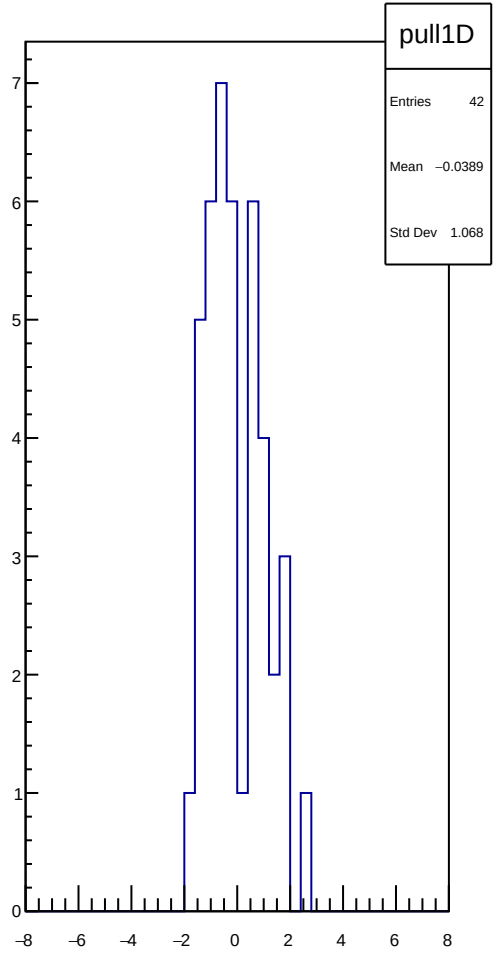

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.093e+04 / 41
p0 113.5 ± 0.1271
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

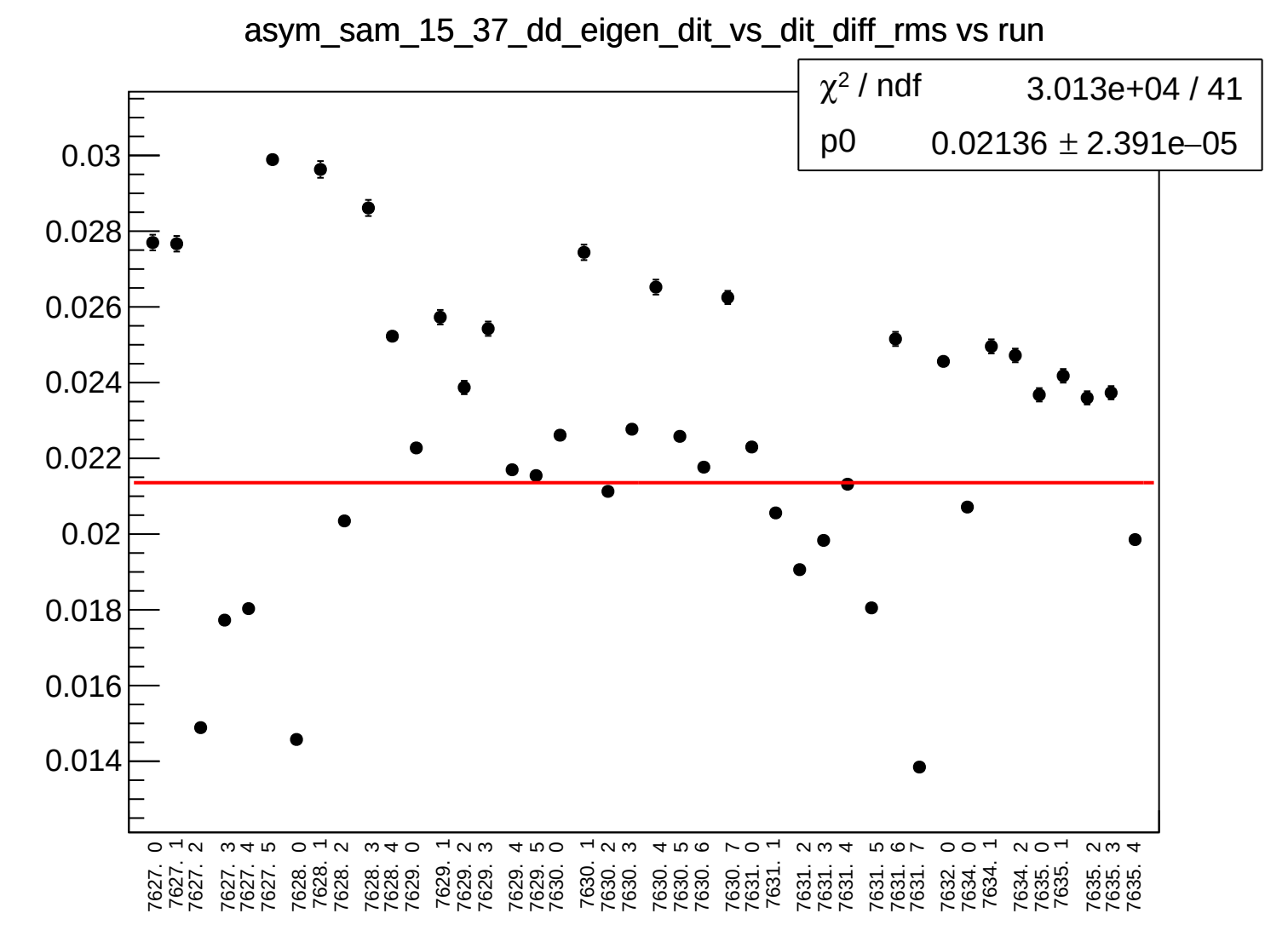

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.4 / 41
p0 0.1928 ± 0.1798
pull
Entries 42
Mean 22.43
Std Dev 0

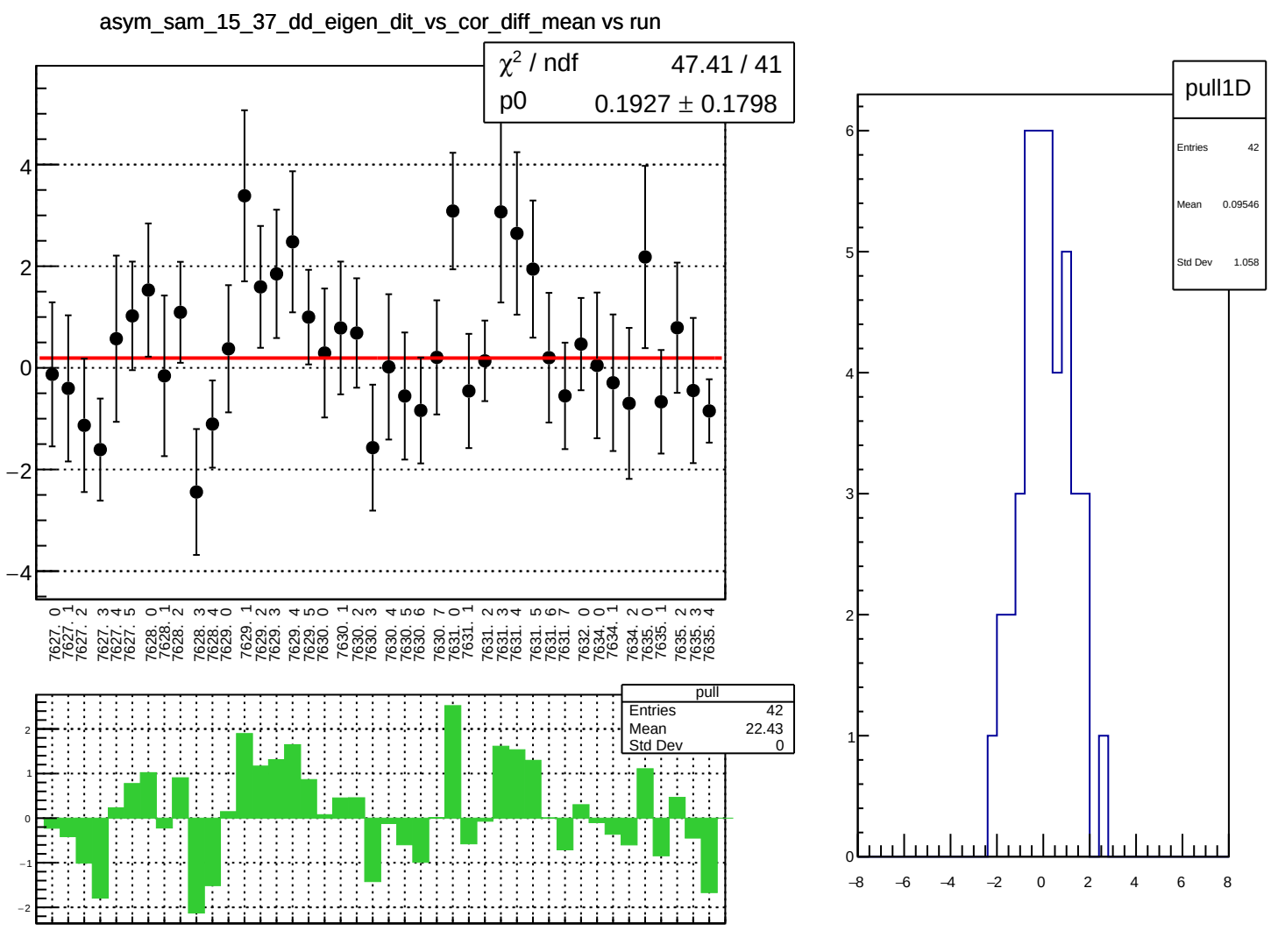

pull1D
Entries 42
Mean 0.09547
Std Dev 1.058

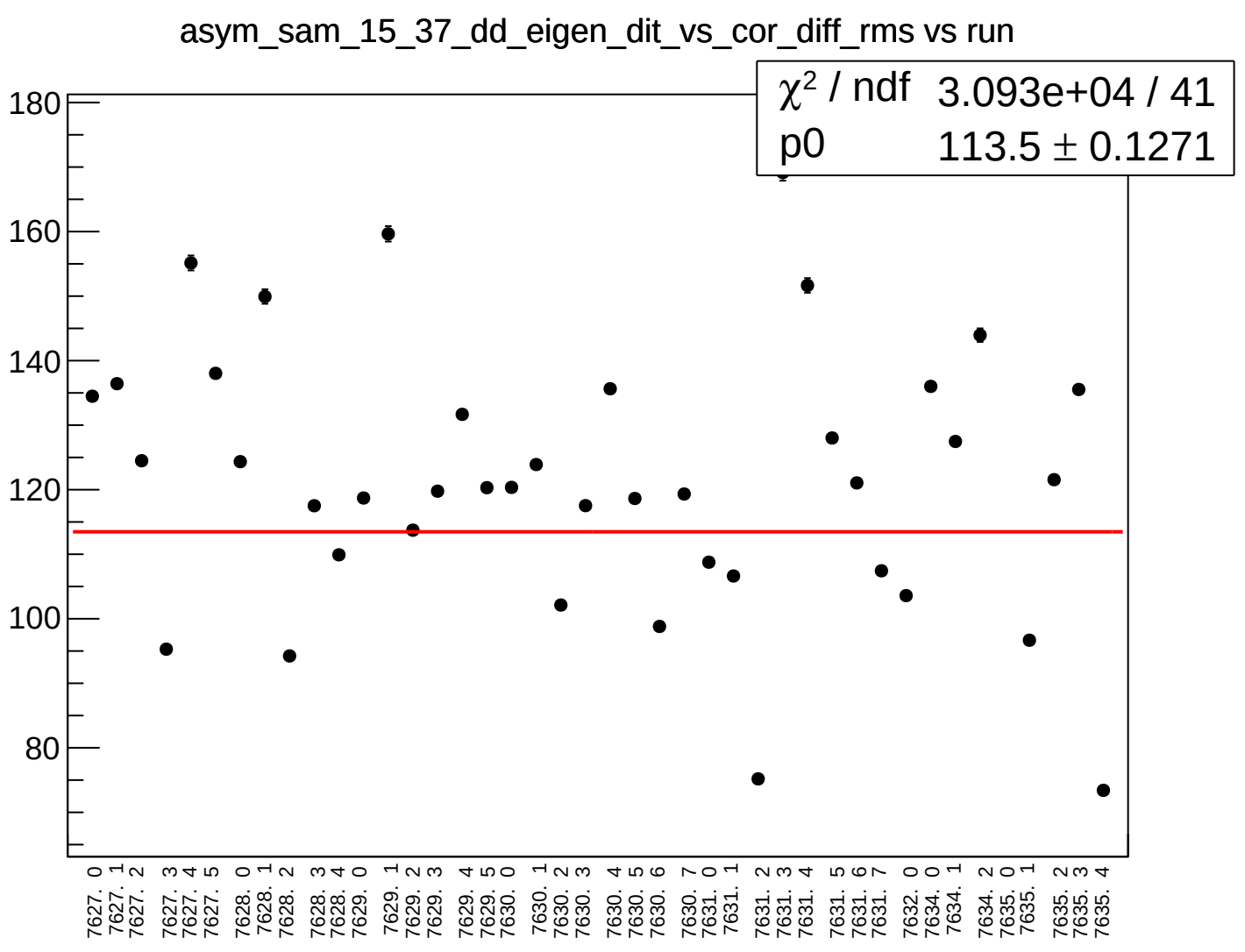

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.093e+04 / 41
p0 113.5 ± 0.1271
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

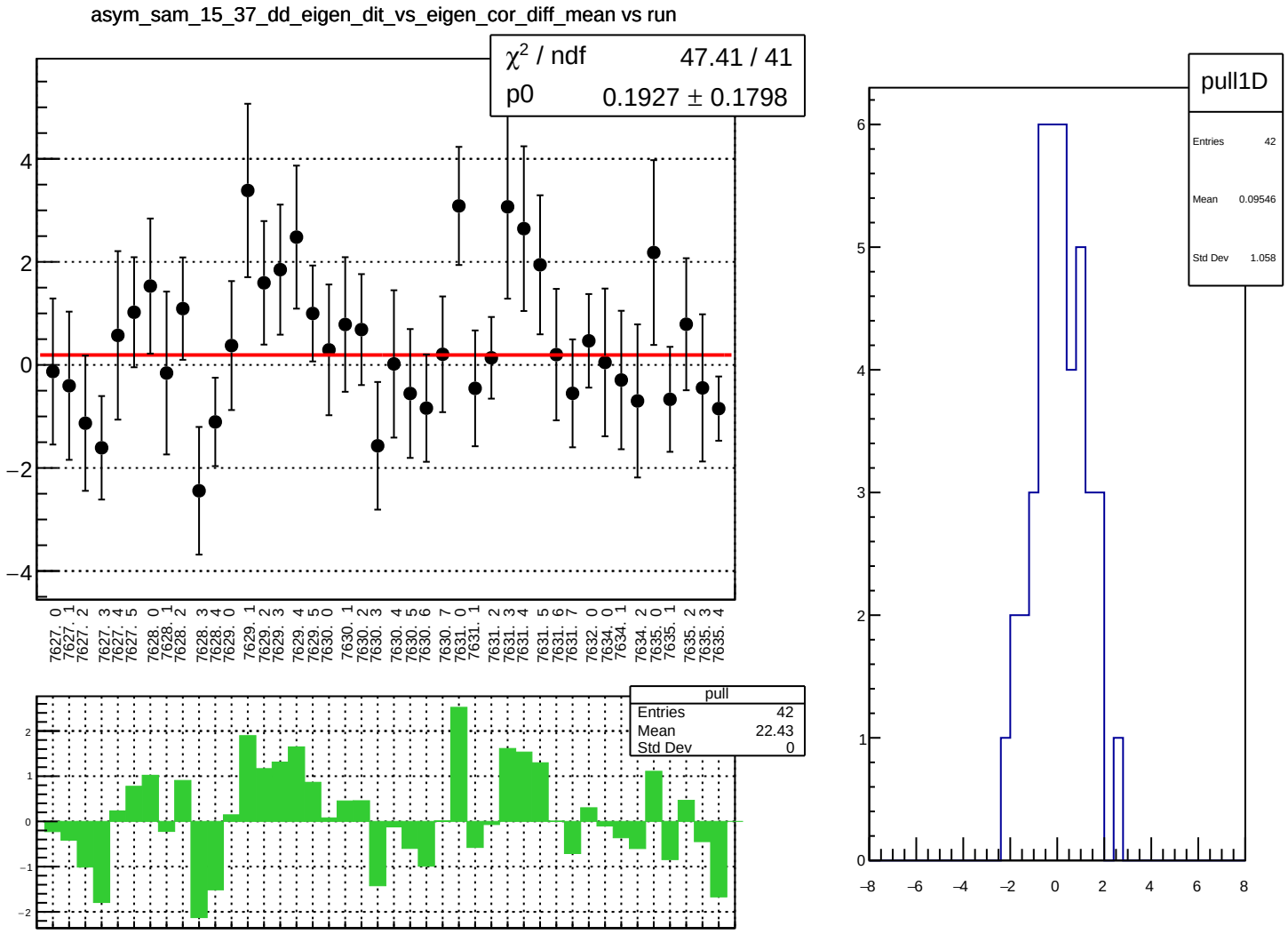

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.99 / 41
p0 −6.493e−05 ± 3.382e−05
pull
Entries 42
Mean 22.33
Std Dev 0

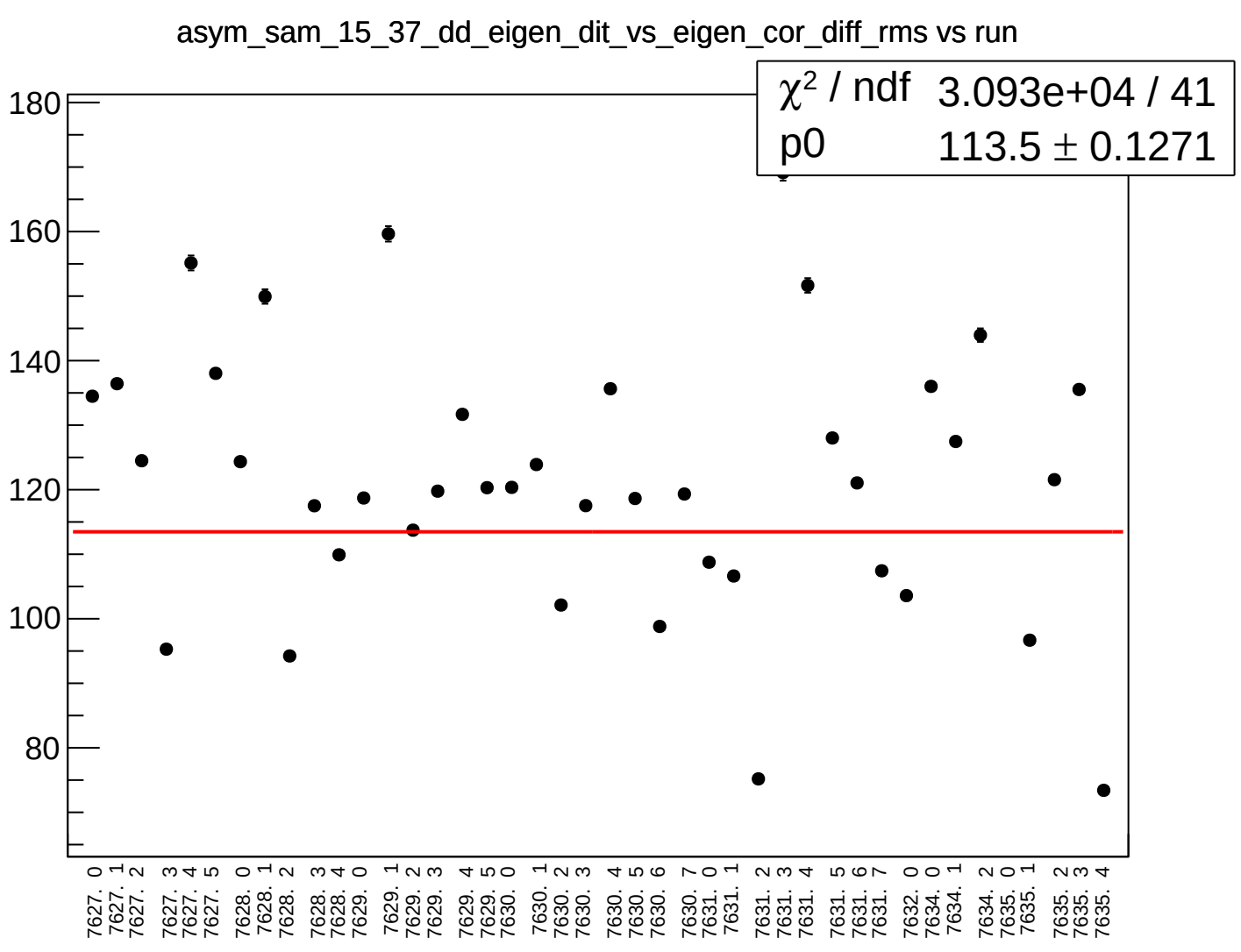

pull1D
Entries 42
Mean −0.0389
Std Dev 1.068

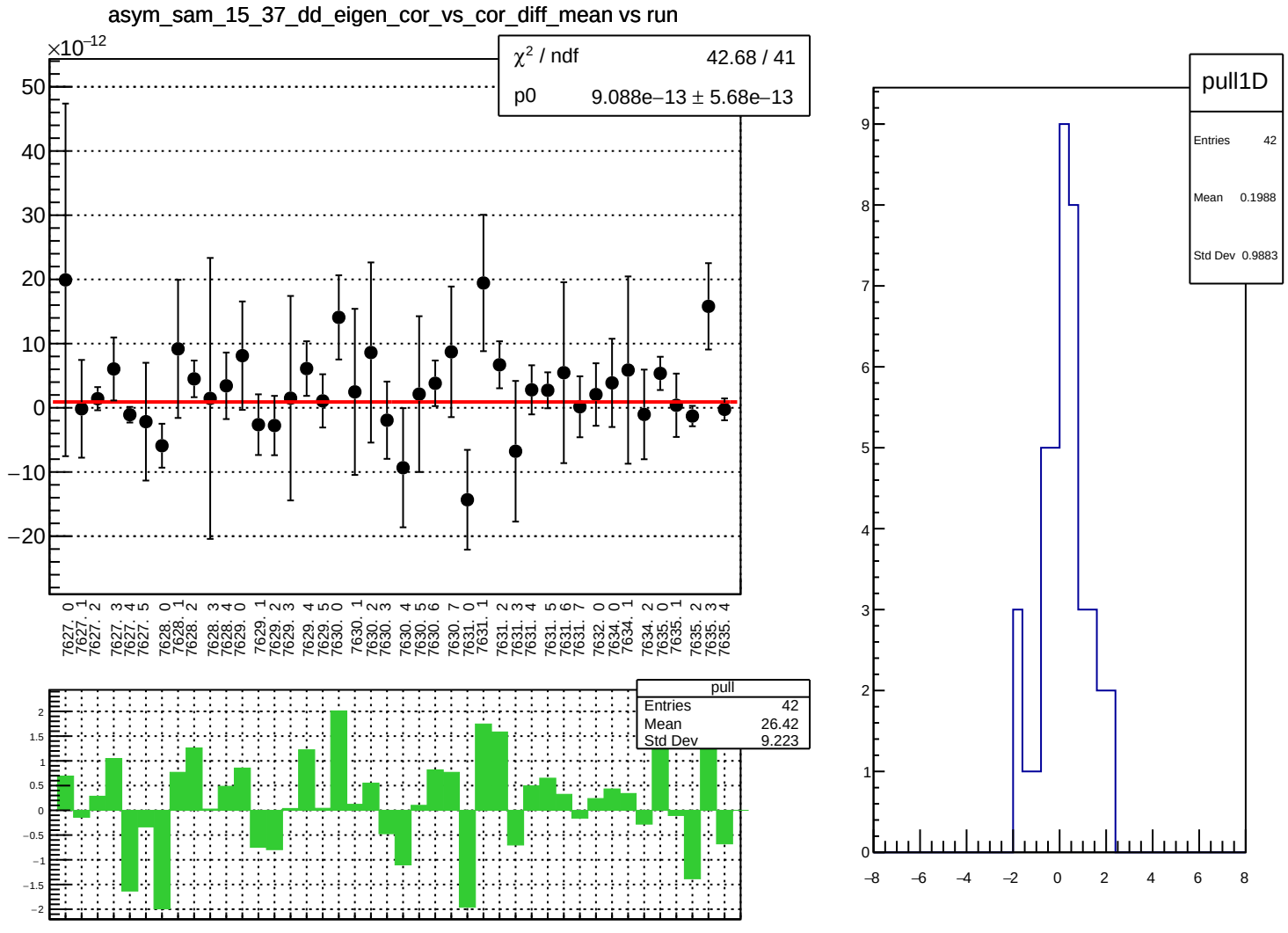

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.013e+04 / 41
p0 0.02136 ± 2.391e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

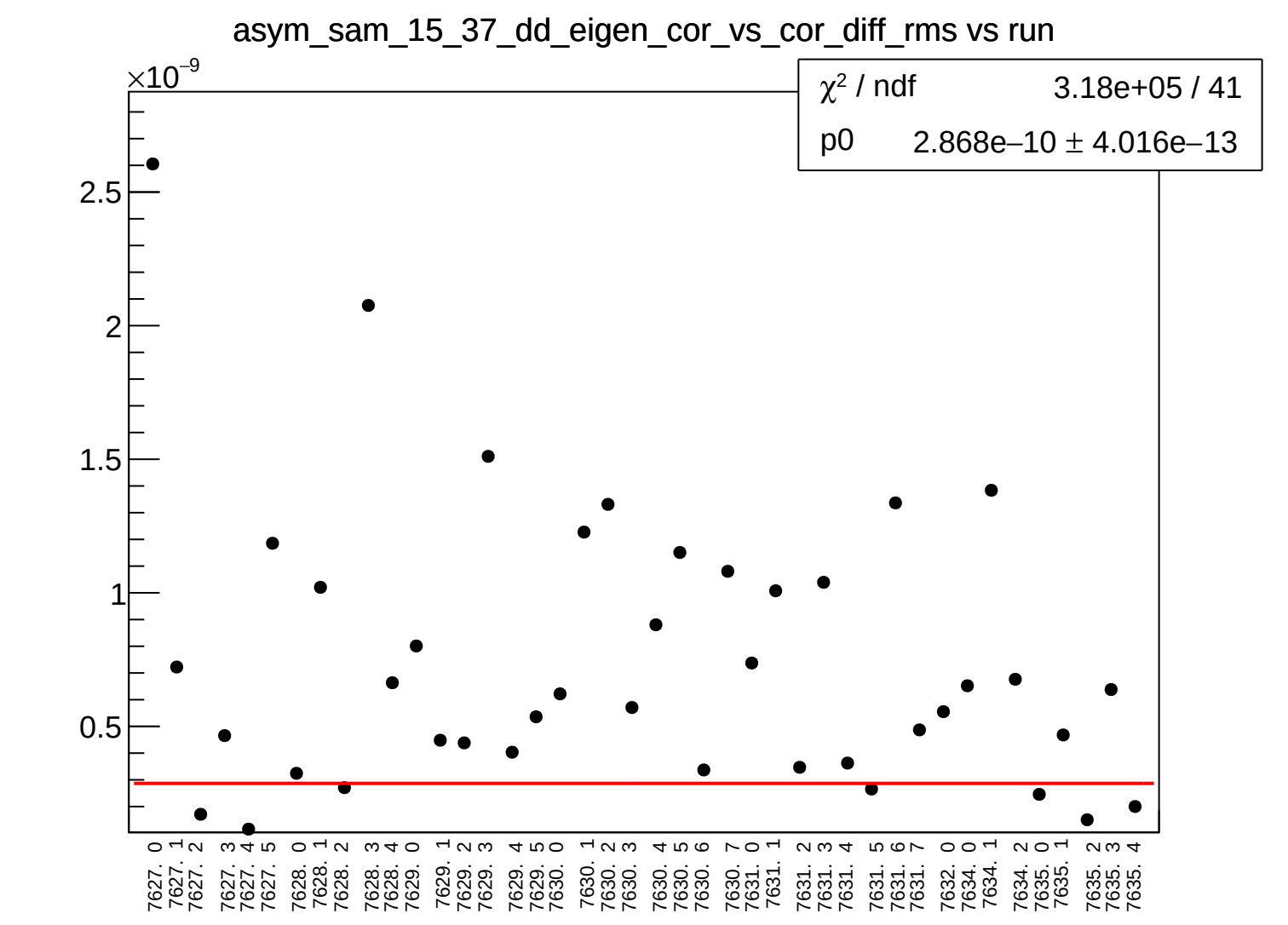

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.41 / 41
p0 0.1927 ± 0.1798
pull
Entries 42
Mean 22.43
Std Dev 0
pull1D
Entries 42
Mean 0.09546
Std Dev 1.058

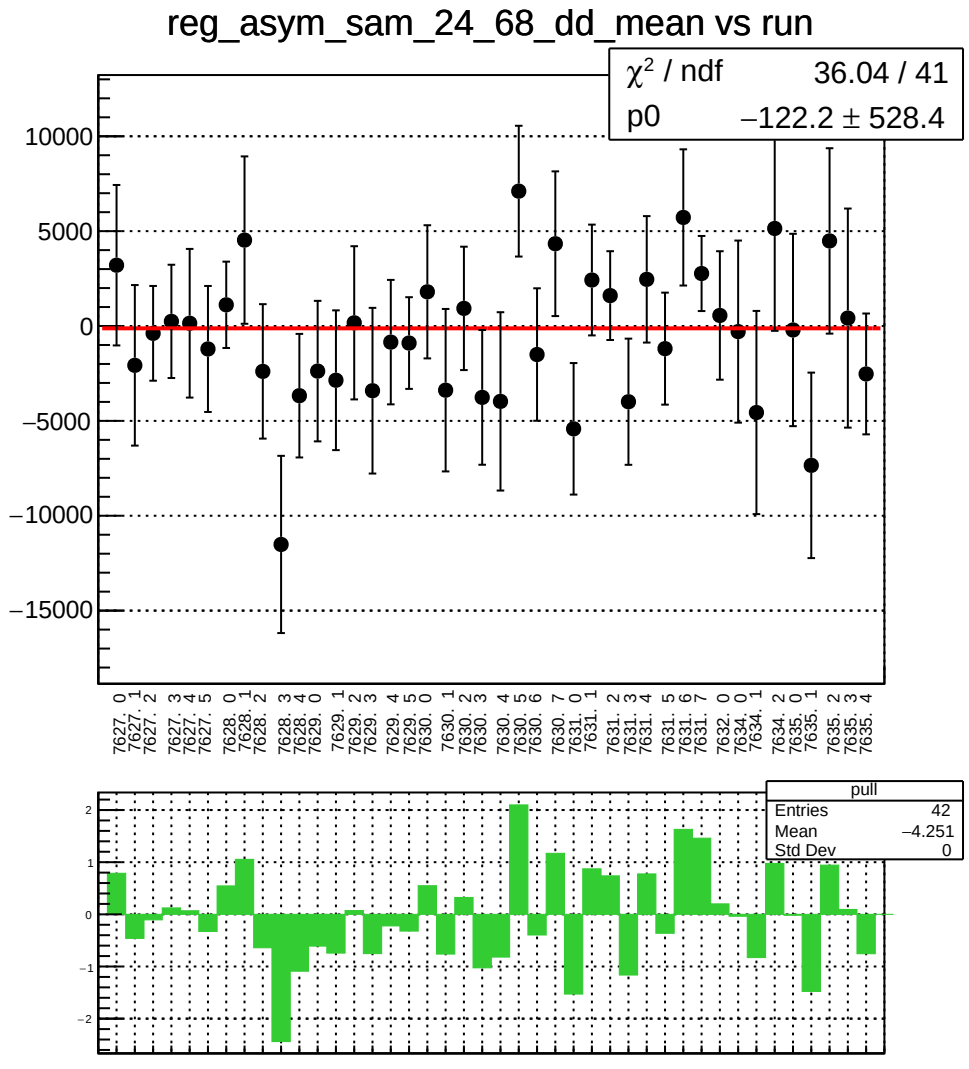

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.093e+04 / 41
p0 113.5 ± 0.1271
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

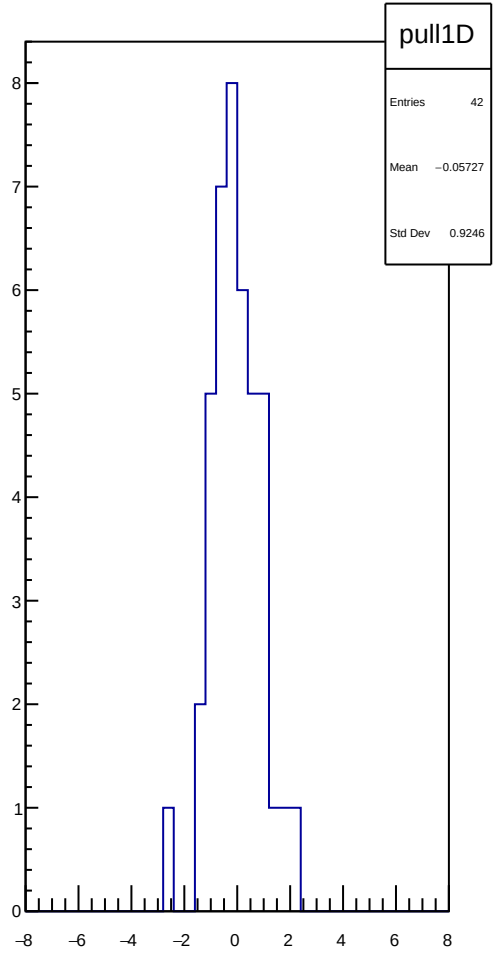

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.41 / 41
p0 0.1927 ± 0.1798
pull
Entries 42
Mean 22.43
Std Dev 0
pull1D
Entries 42
Mean 0.09546
Std Dev 1.058

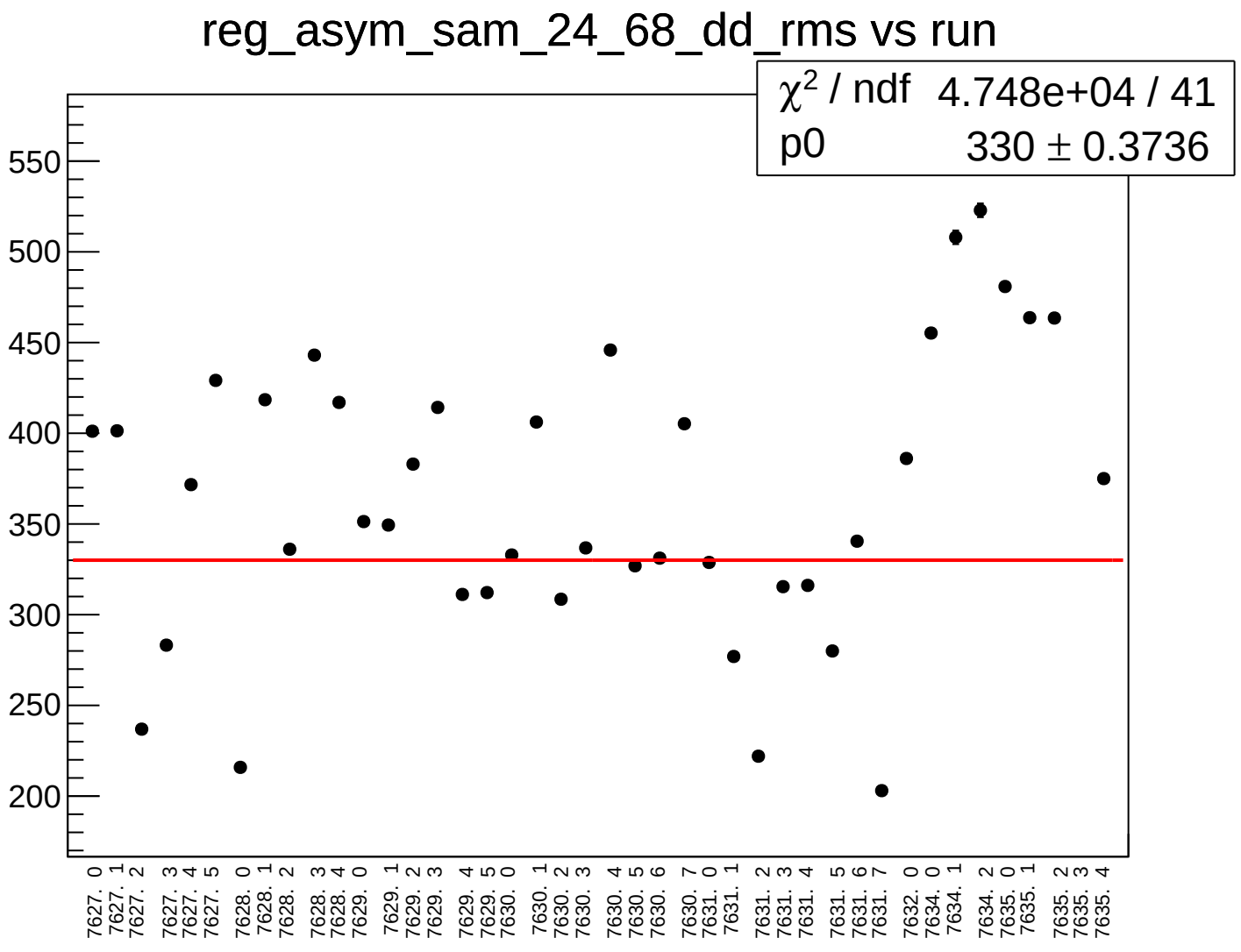

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.093e+04 / 41
p0 113.5 ± 0.1271
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

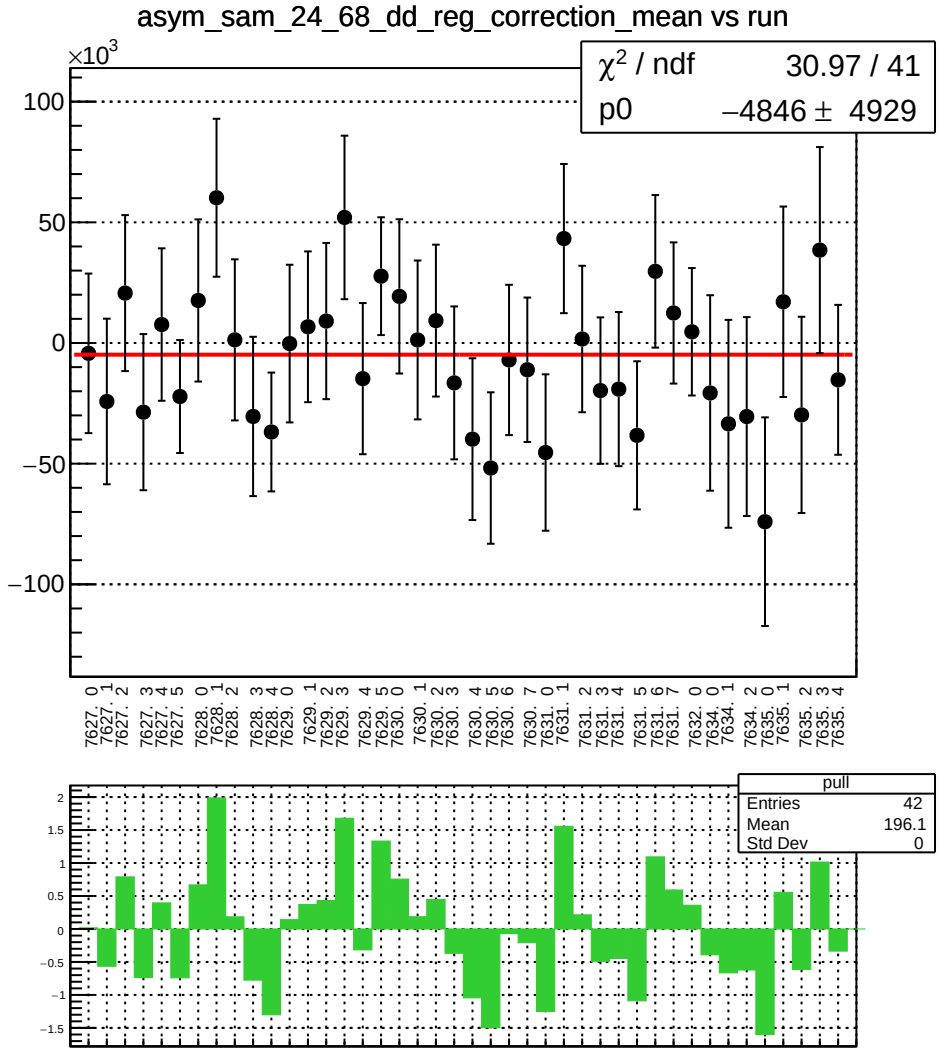

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.68 / 41
p0 9.088e−13 ± 5.68e−13
50
40
30
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.42
Std Dev 9.223
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.1988
Std Dev 0.9883
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

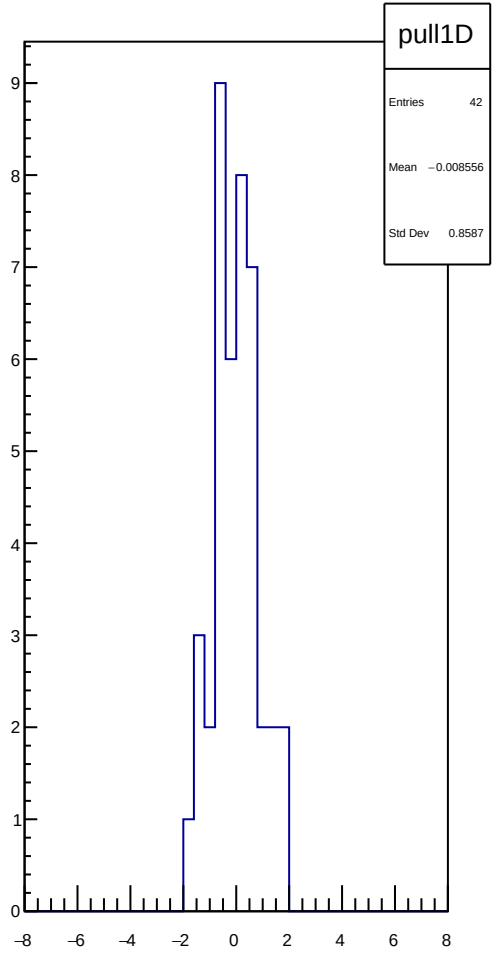

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.18e+05 / 41
p0 2.868e−10 ± 4.016e−13
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

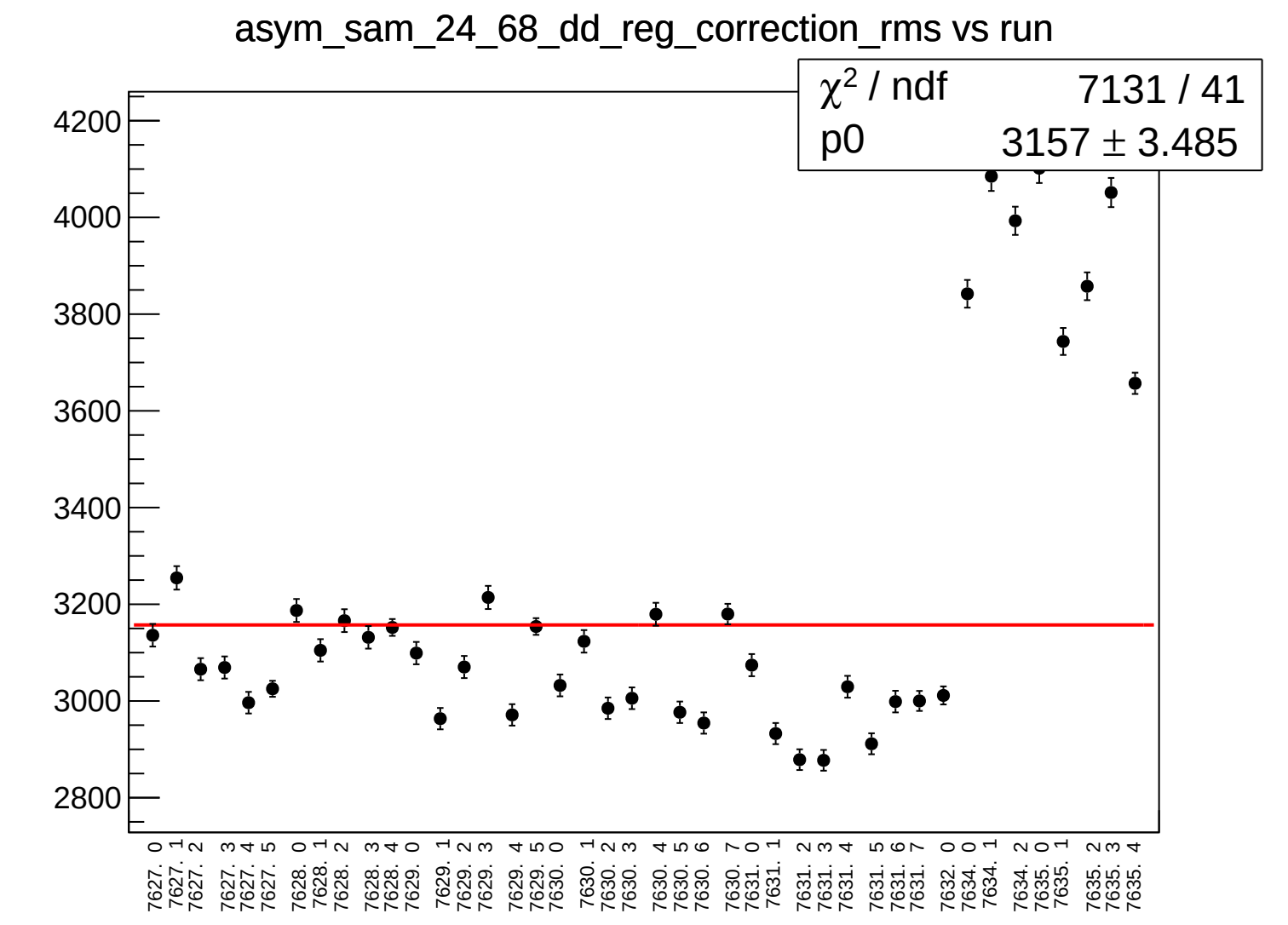

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 36.04 / 41
p0 −122.2 ± 528.4
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4.251
Std Dev 0
2
1
0
−1
−2

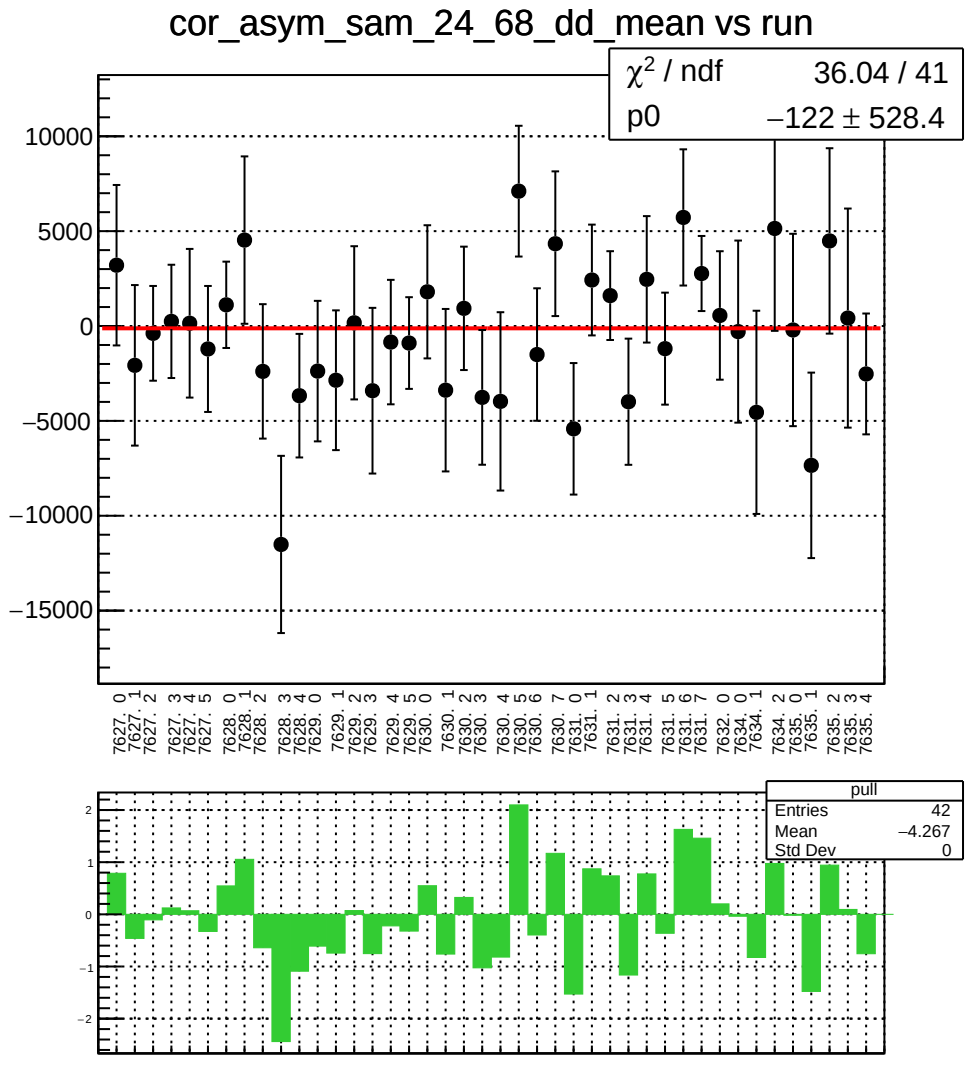

pull1D
Entries 42
Mean −0.05727
Std Dev 0.9246
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

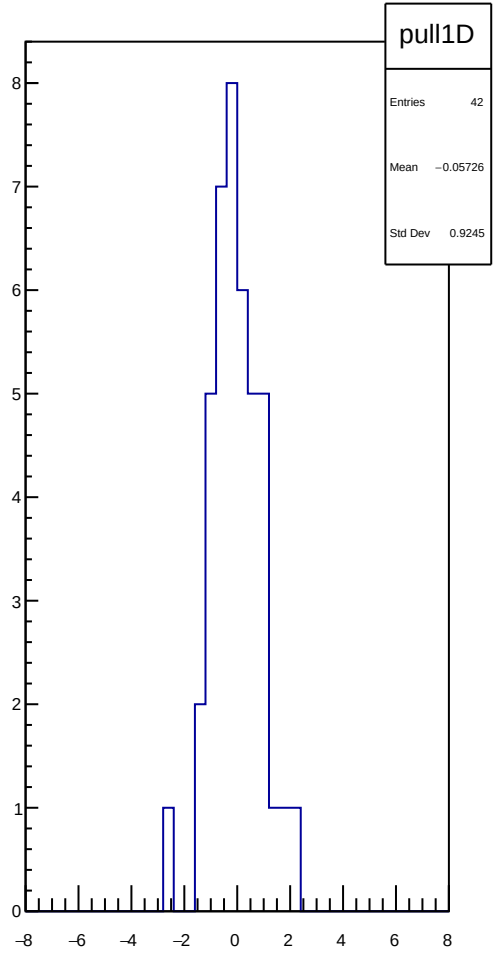

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 4.748e+04 / 41
p0 330 ± 0.3736
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

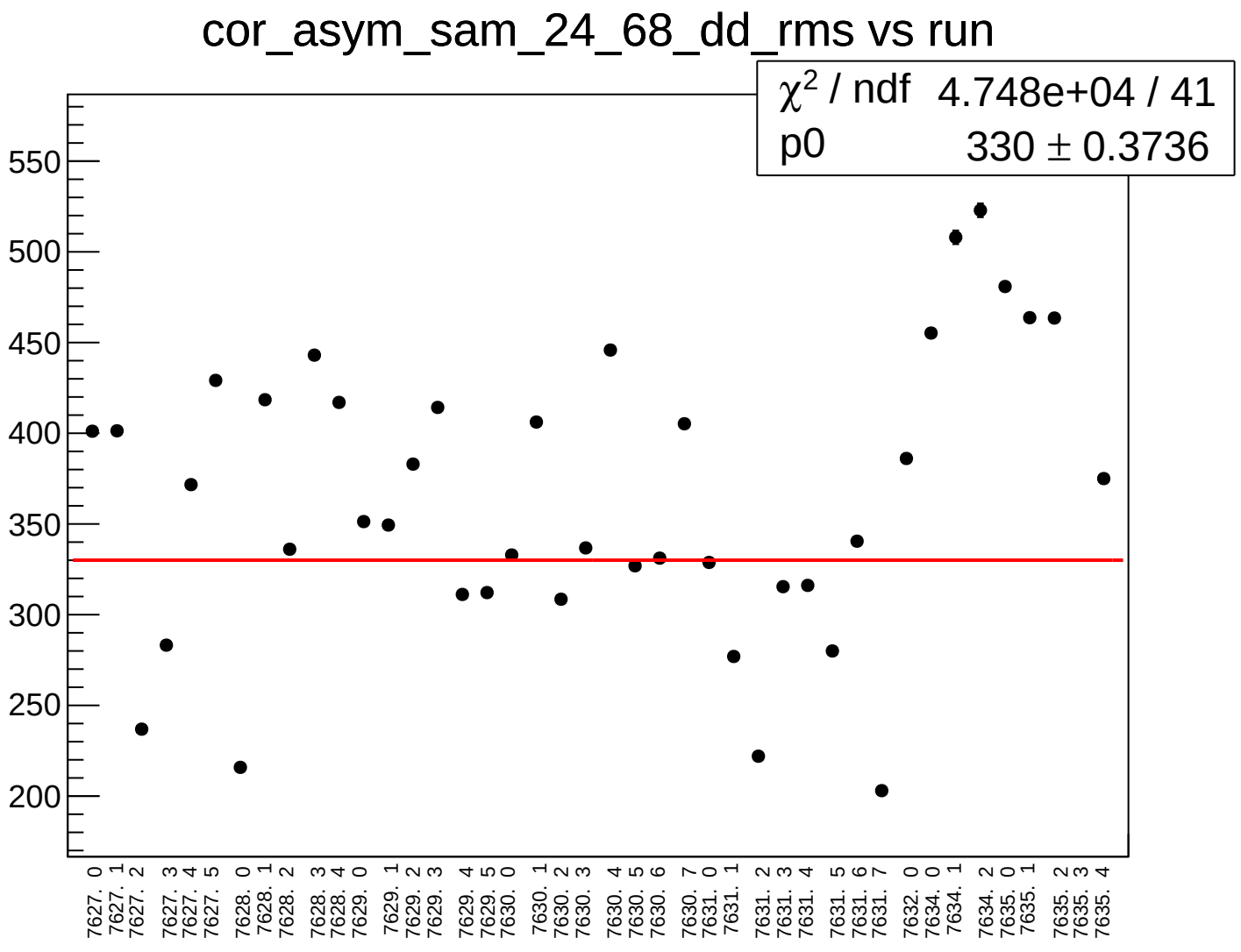

asym_sam_24_68_dd_reg_correction_mean vs run
×10^3
χ² / ndf 30.97 / 41
p0 −4846 ± 4929
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 196.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

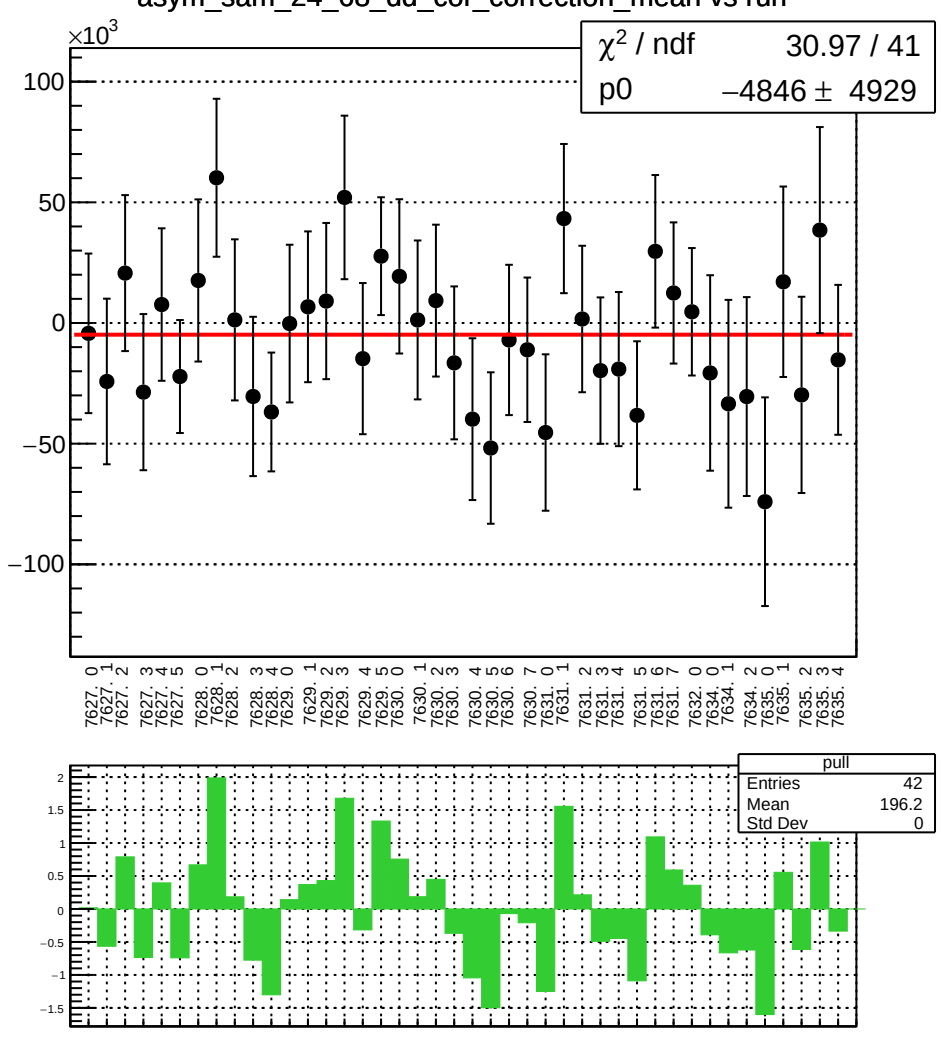

pull1D
Entries 42
Mean −0.008556
Std Dev 0.8587
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

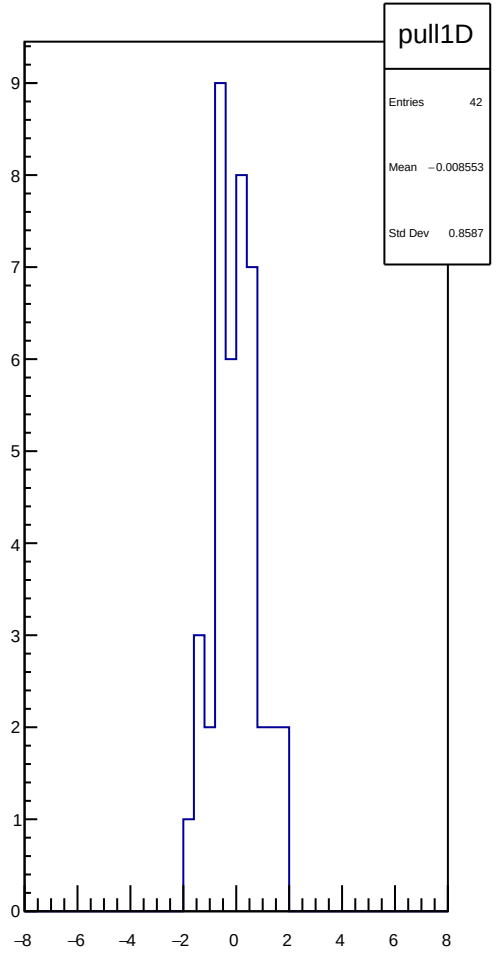

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 7131 / 41
p0 3157 ± 3.485
4200
4000
3800
3600
3400
3200
3000
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

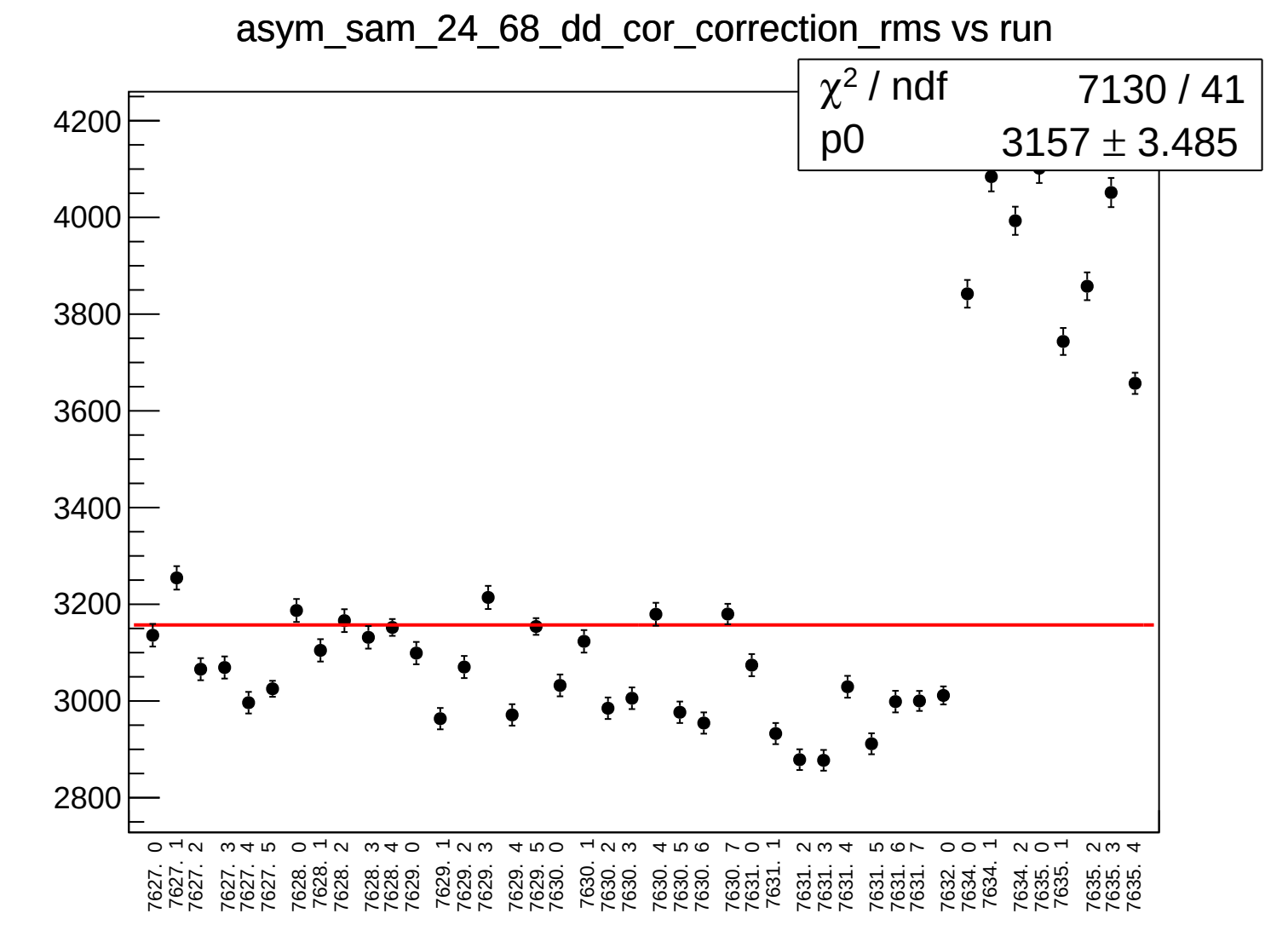

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 36.04 / 41
p0 −122 ± 528.4
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4.267
Std Dev 0
2
1
0
−1
−2

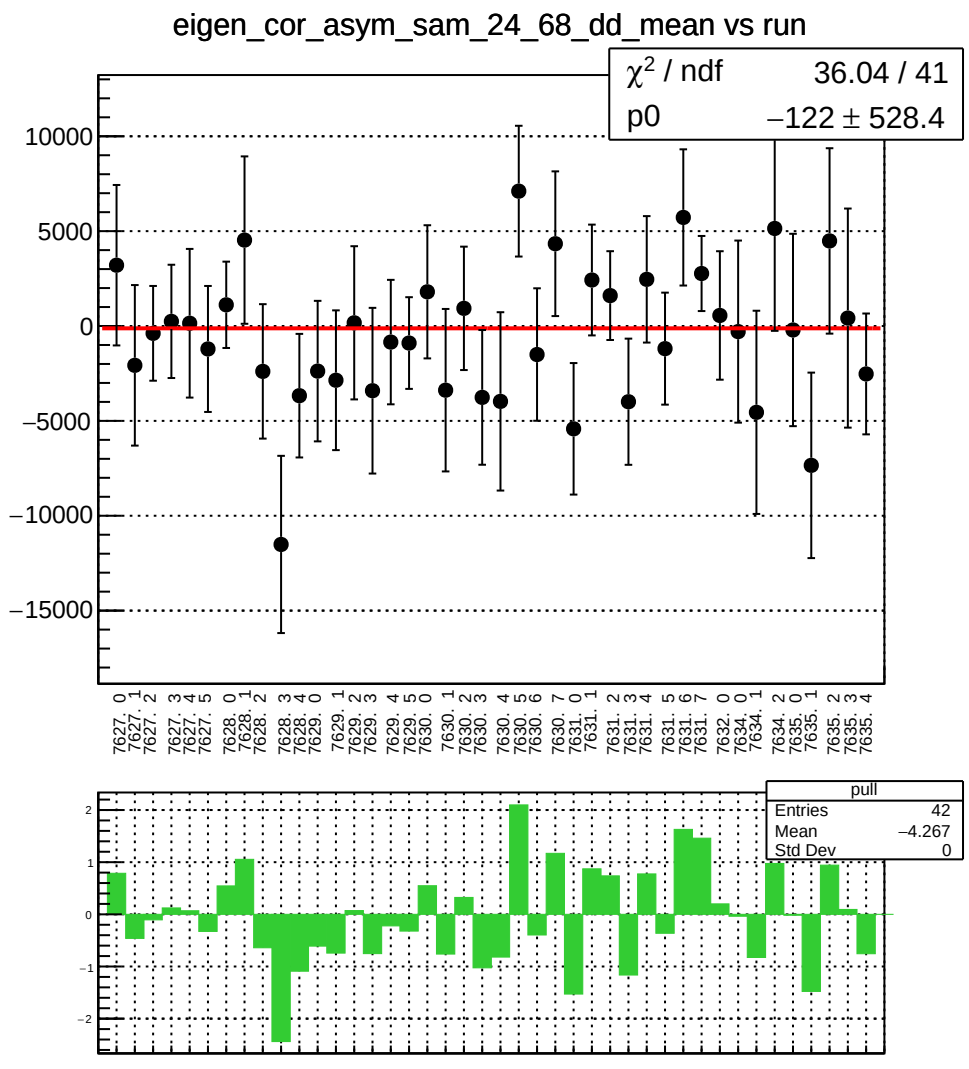

pull1D
Entries 42
Mean −0.05726
Std Dev 0.9245
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

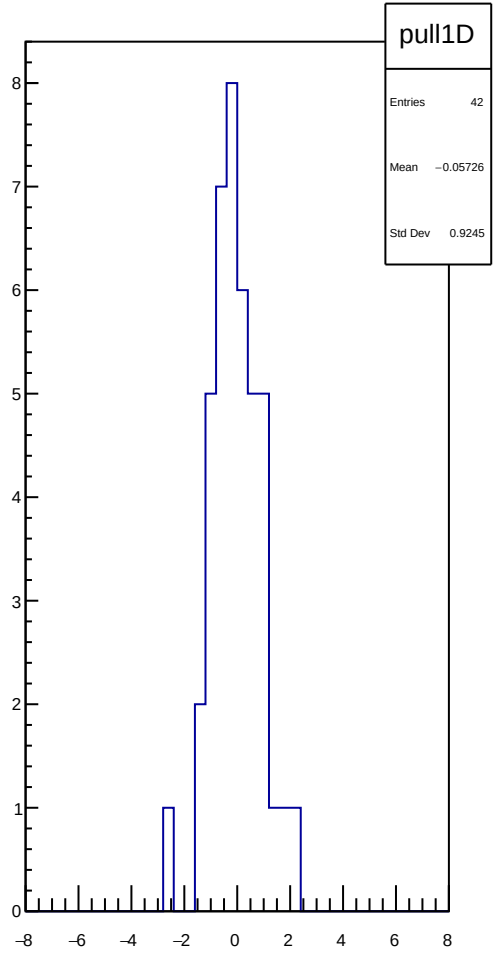

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 4.748e+04 / 41
p0 330 ± 0.3736
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_24_68_dd_cor_correction_mean vs run
×10^3
χ² / ndf 30.97 / 41
p0 −4846 ± 4929
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 196.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.008553
Std Dev 0.8587
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 7130 / 41
p0 3157 ± 3.485
4200
4000
3800
3600
3400
3200
3000
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 36.04 / 41
p0 −122 ± 528.4
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −4.267
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 42
Mean −0.05726
Std Dev 0.9245
8
7
6
5
4
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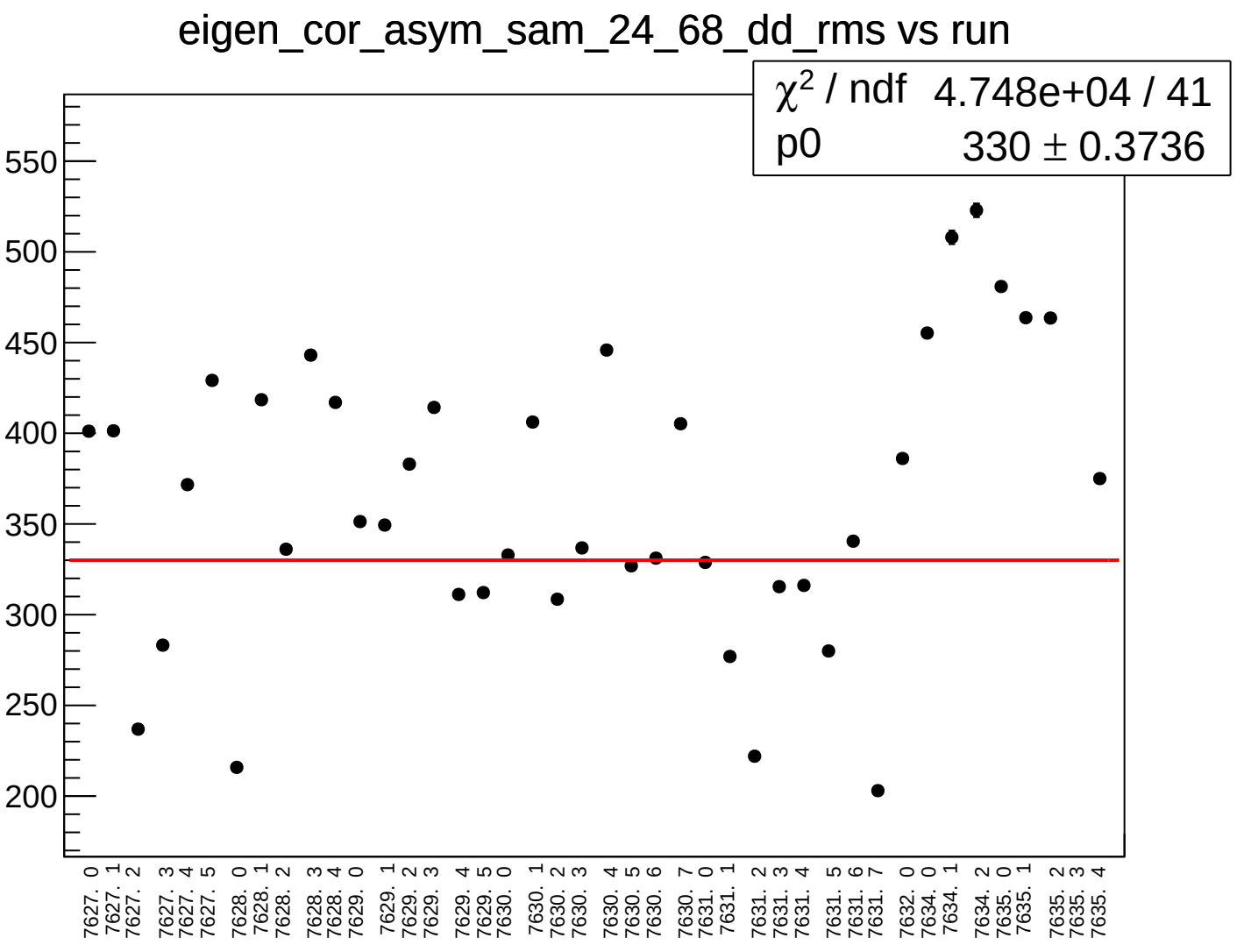
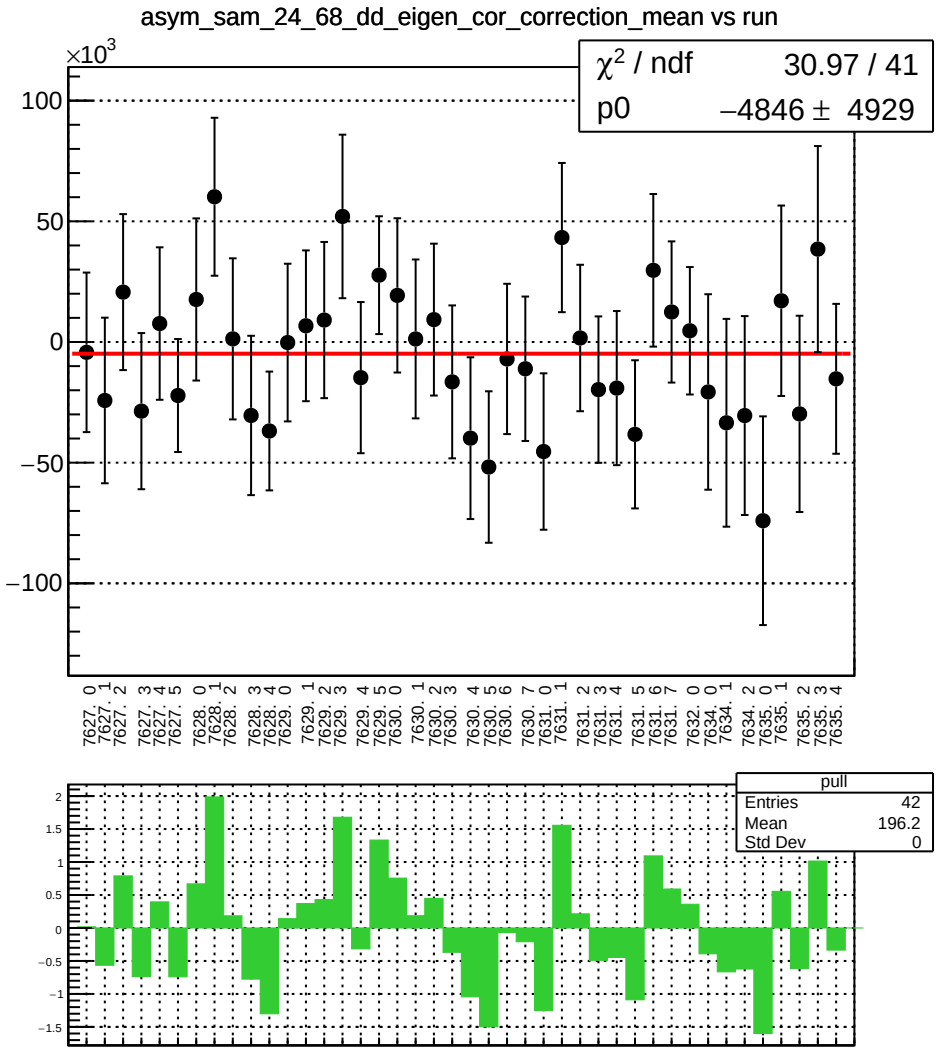
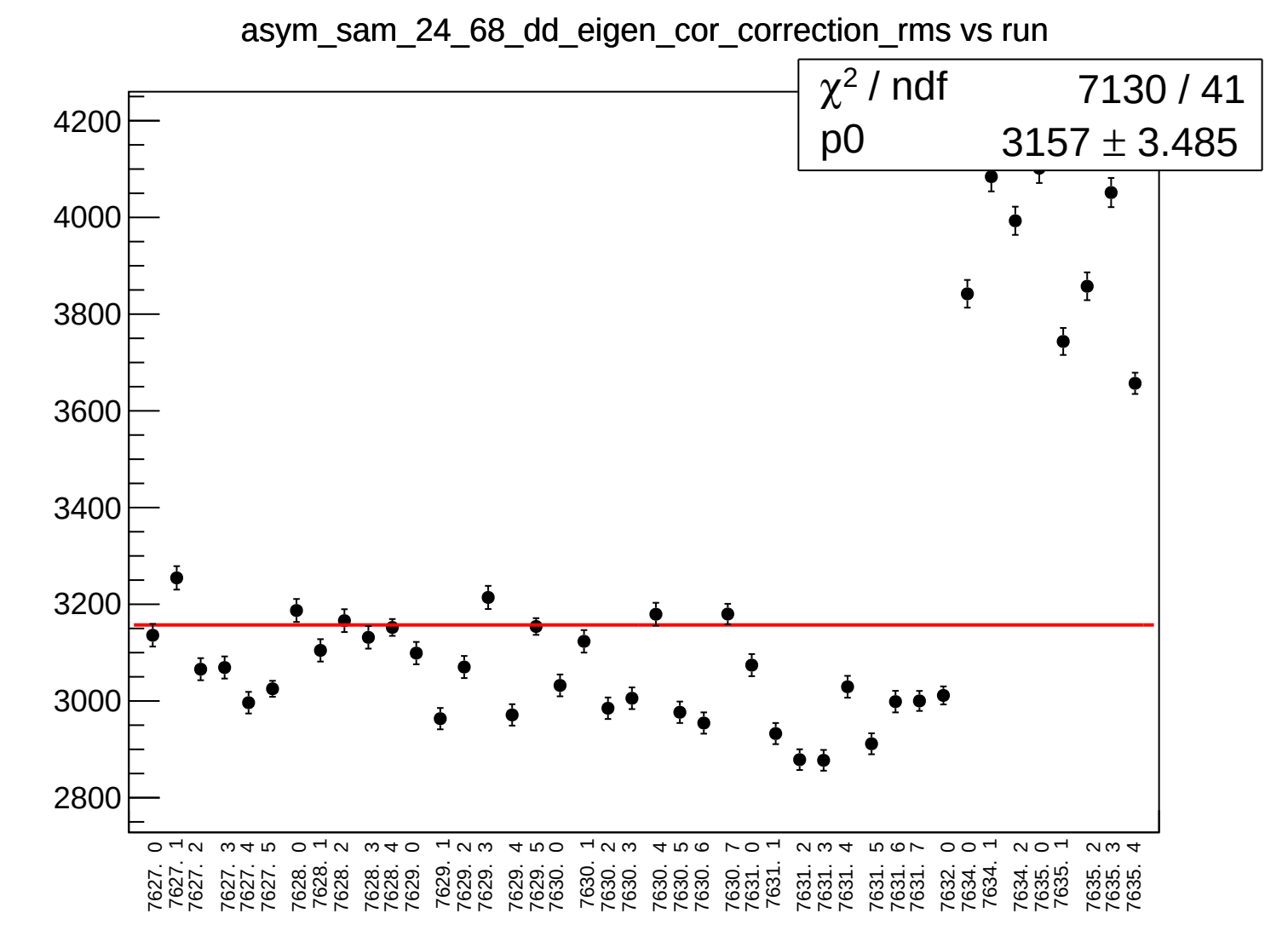
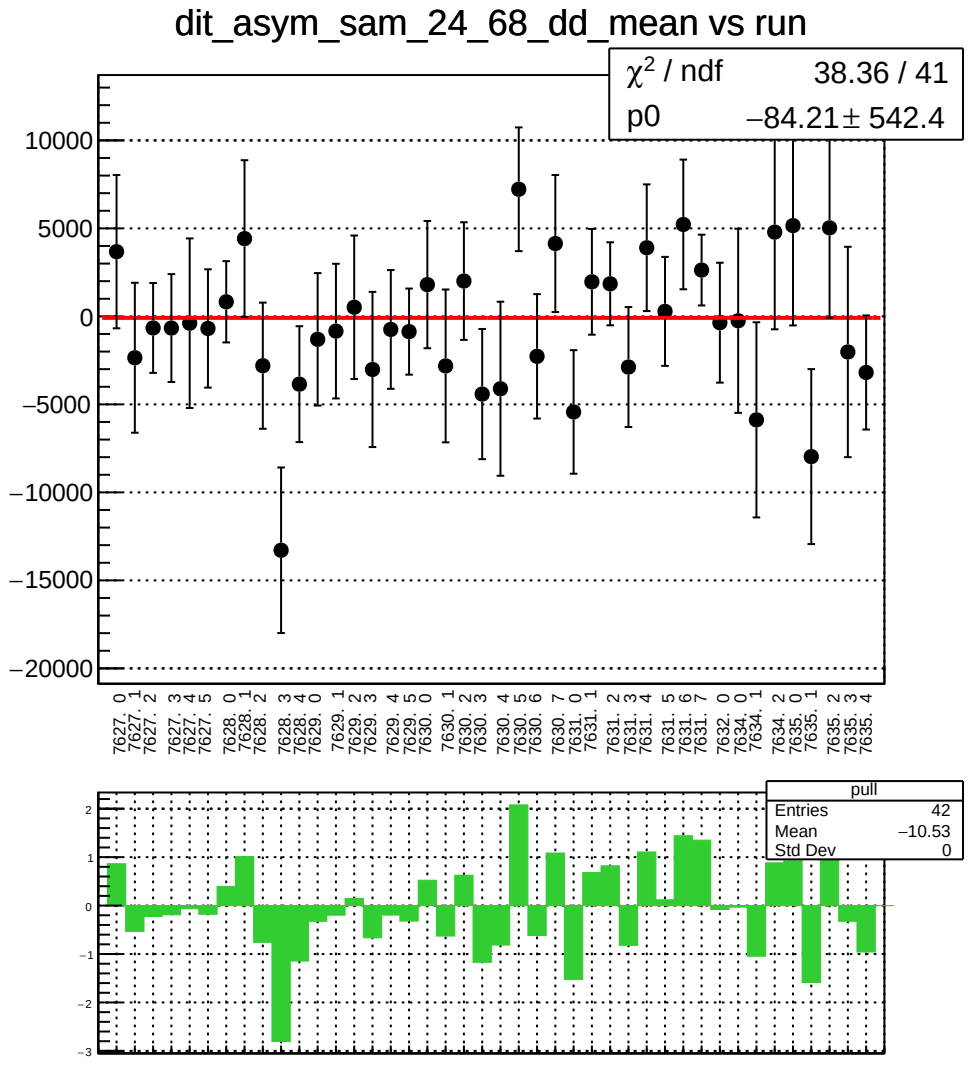
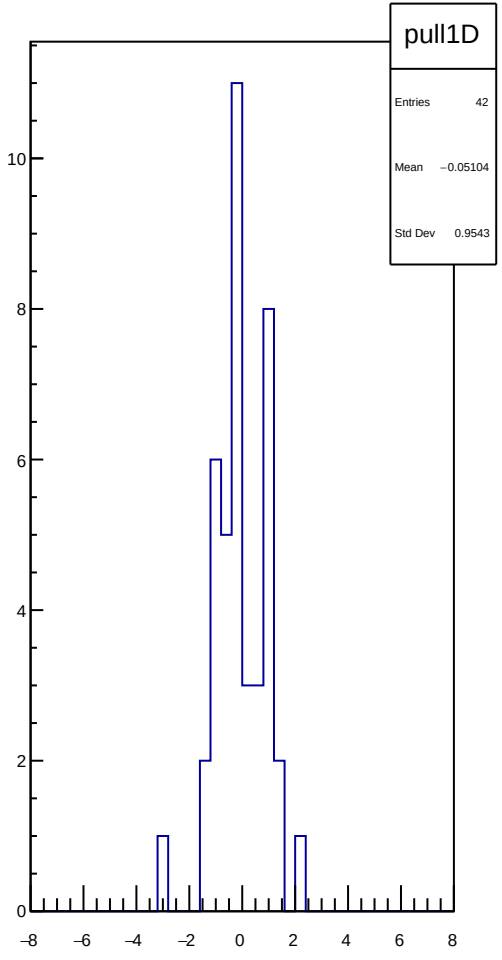
2
1
0
−8
−6
−4
−2
0
2
4
6
8

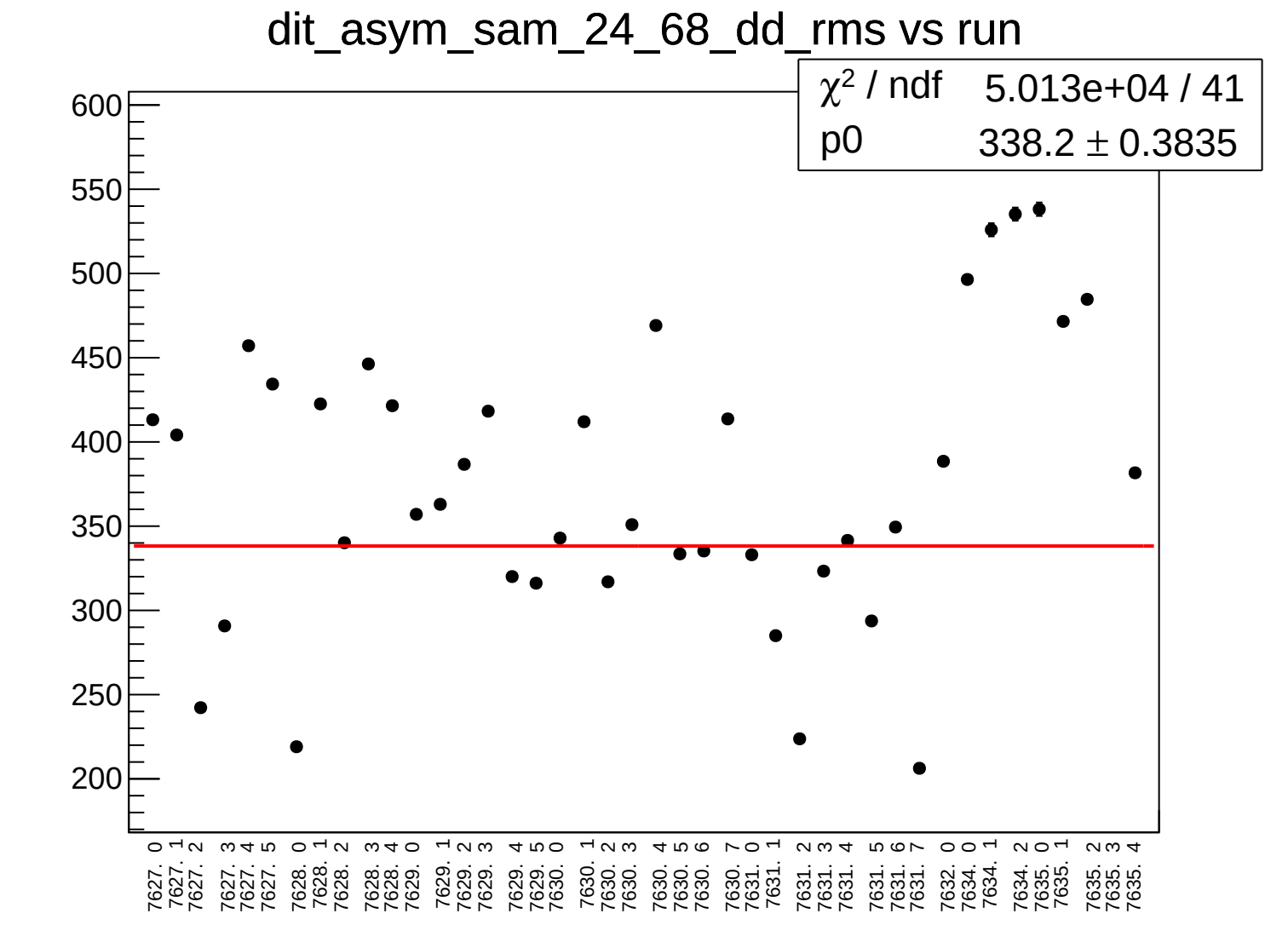

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 4.748e+04 / 41
p0 330 ± 0.3736
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

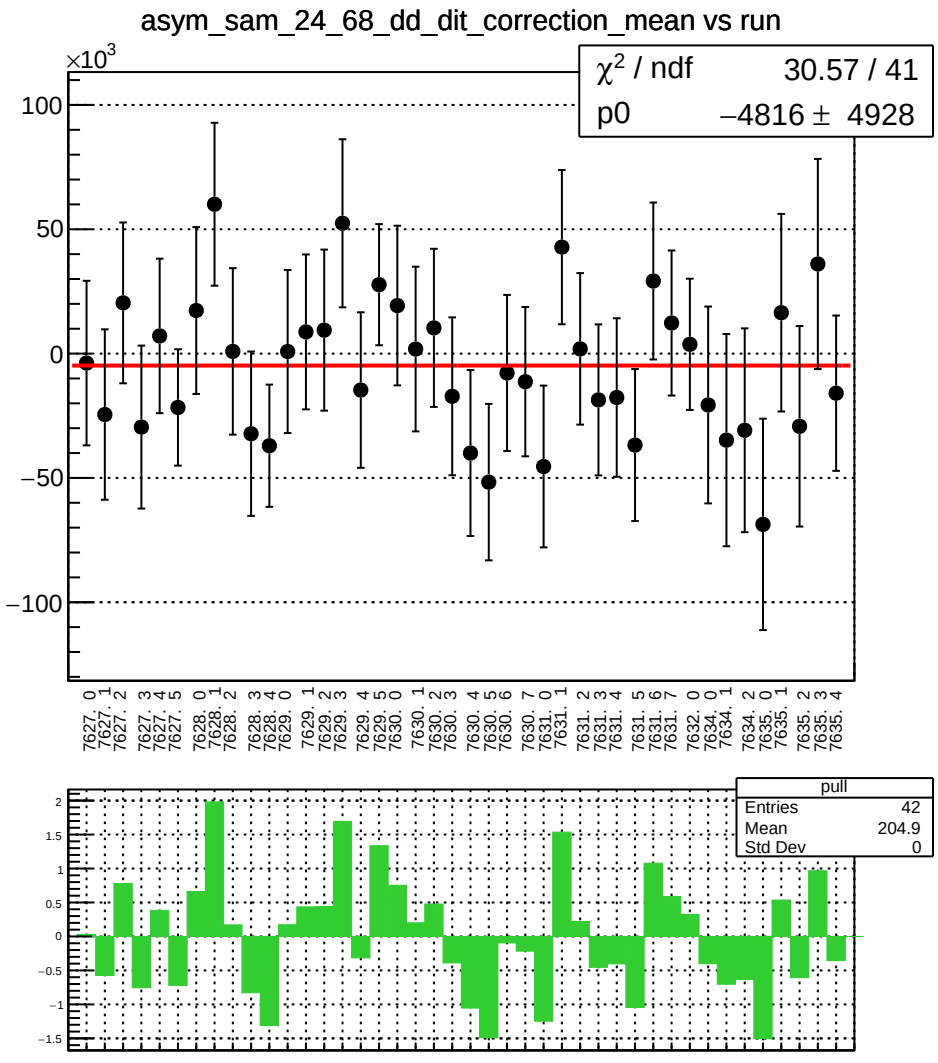

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 30.97 / 41
p0 −4846 ± 4929
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 196.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.008553
Std Dev 0.8587
9
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_correction_rms vs run
χ² / ndf 7130 / 41
p0 3157 ± 3.485
4200
4000
3800
3600
3400
3200
3000
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 38.36 / 41
p0 −84.21 ± 542.4
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.53
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.05104
Std Dev 0.9543
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 5.013e+04 / 41
p0 338.2 ± 0.3835
600
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_24_68_dd_dit_correction_mean vs run
×10^3
χ² / ndf 30.57 / 41
p0 −4816 ± 4928
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
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7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
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7630. 6
7630. 7
7631. 0
7631. 1
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7631. 3
7631. 4
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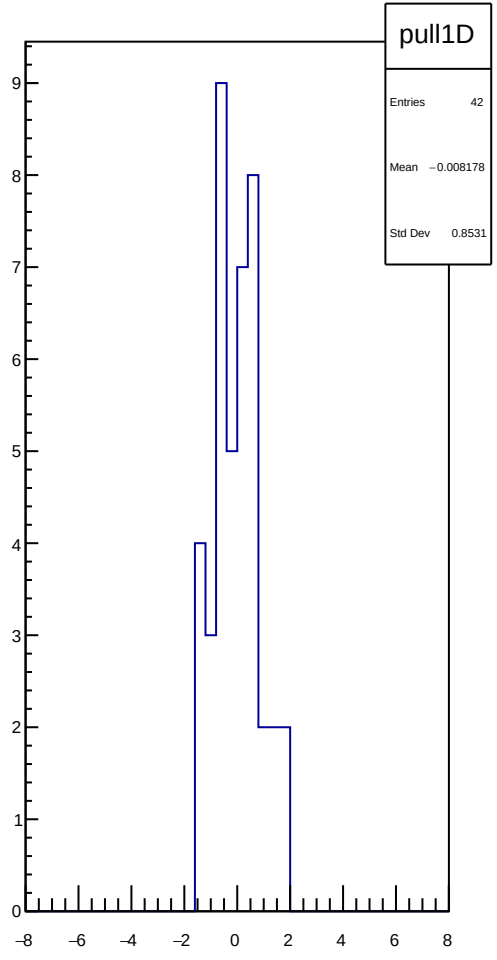
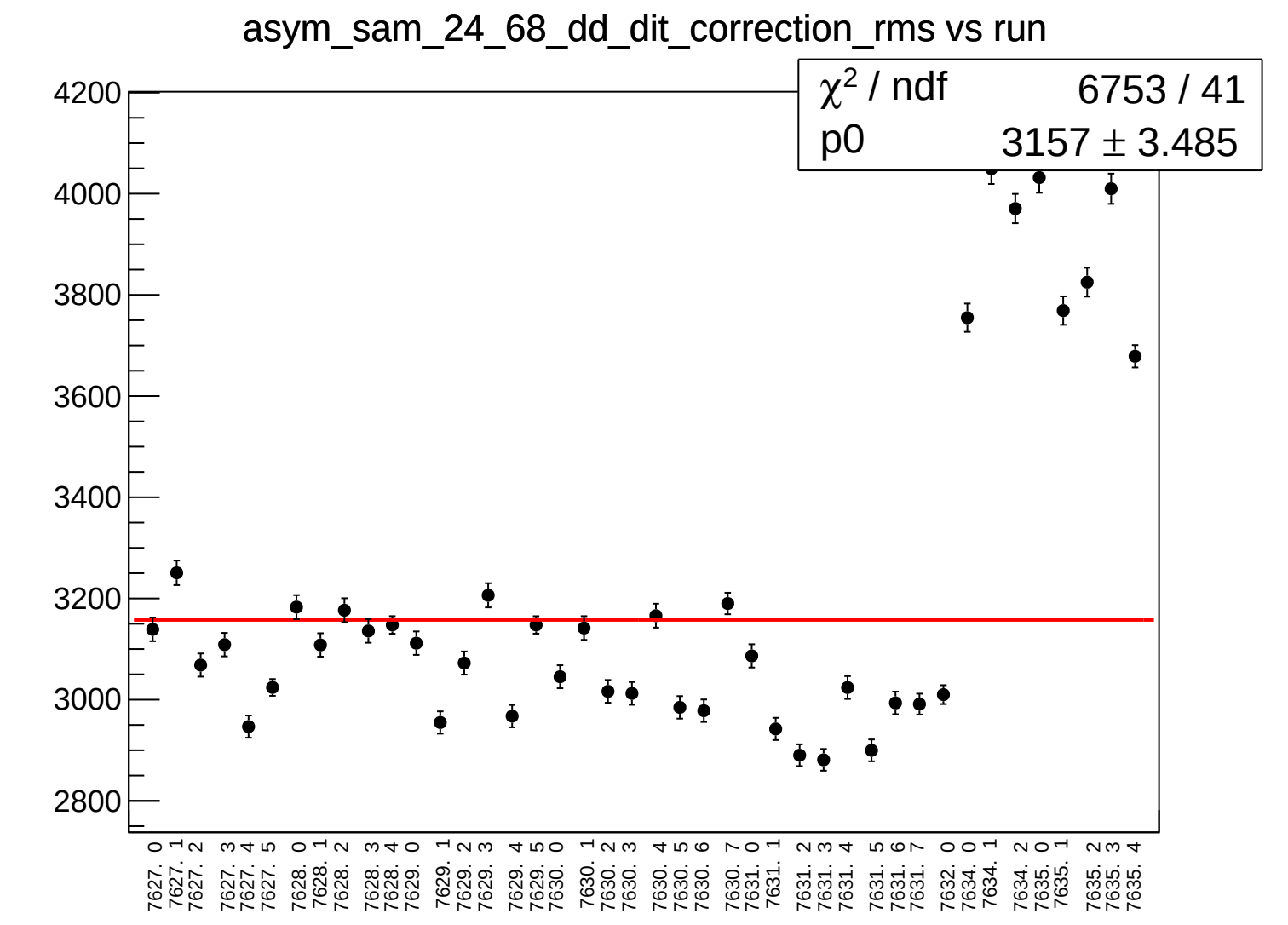
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 204.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.008178
Std Dev 0.8531
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 6753 / 41
p0 3157 ± 3.485
4200
4000
3800
3600
3400
3200
3000
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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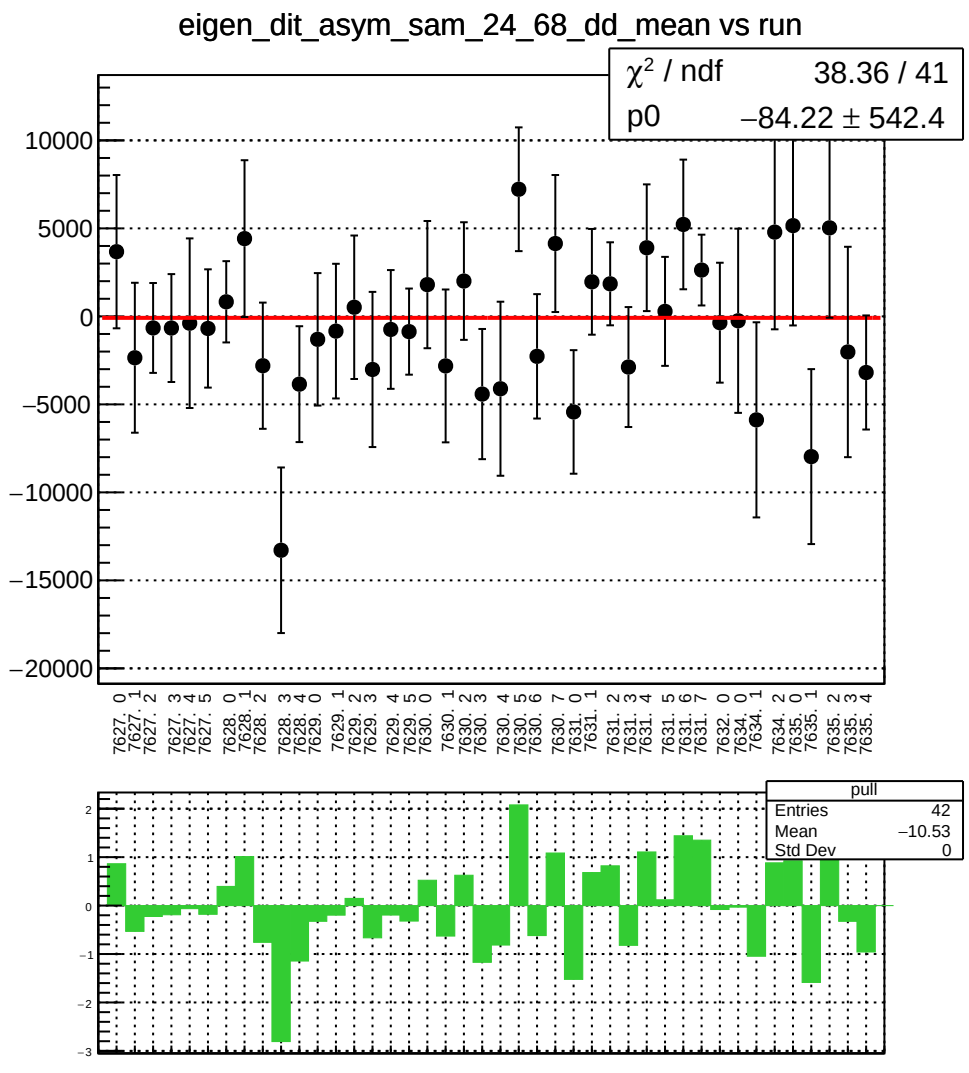
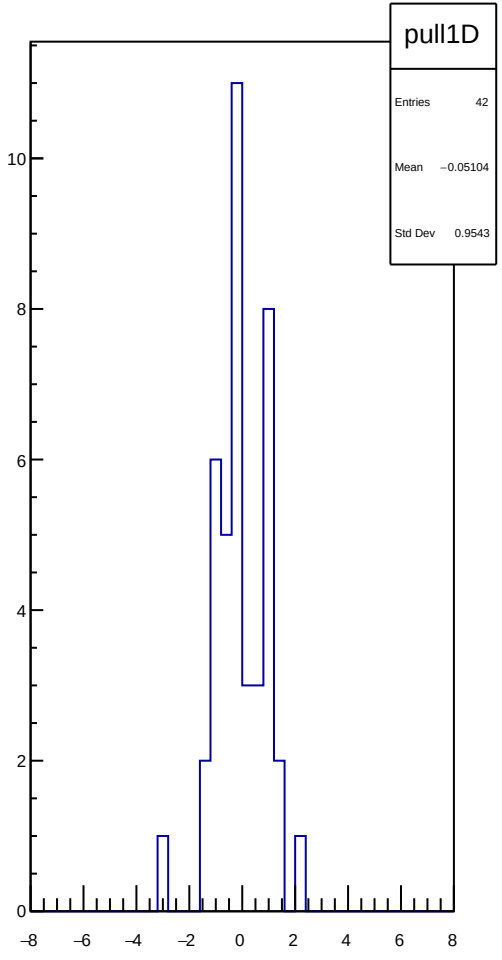
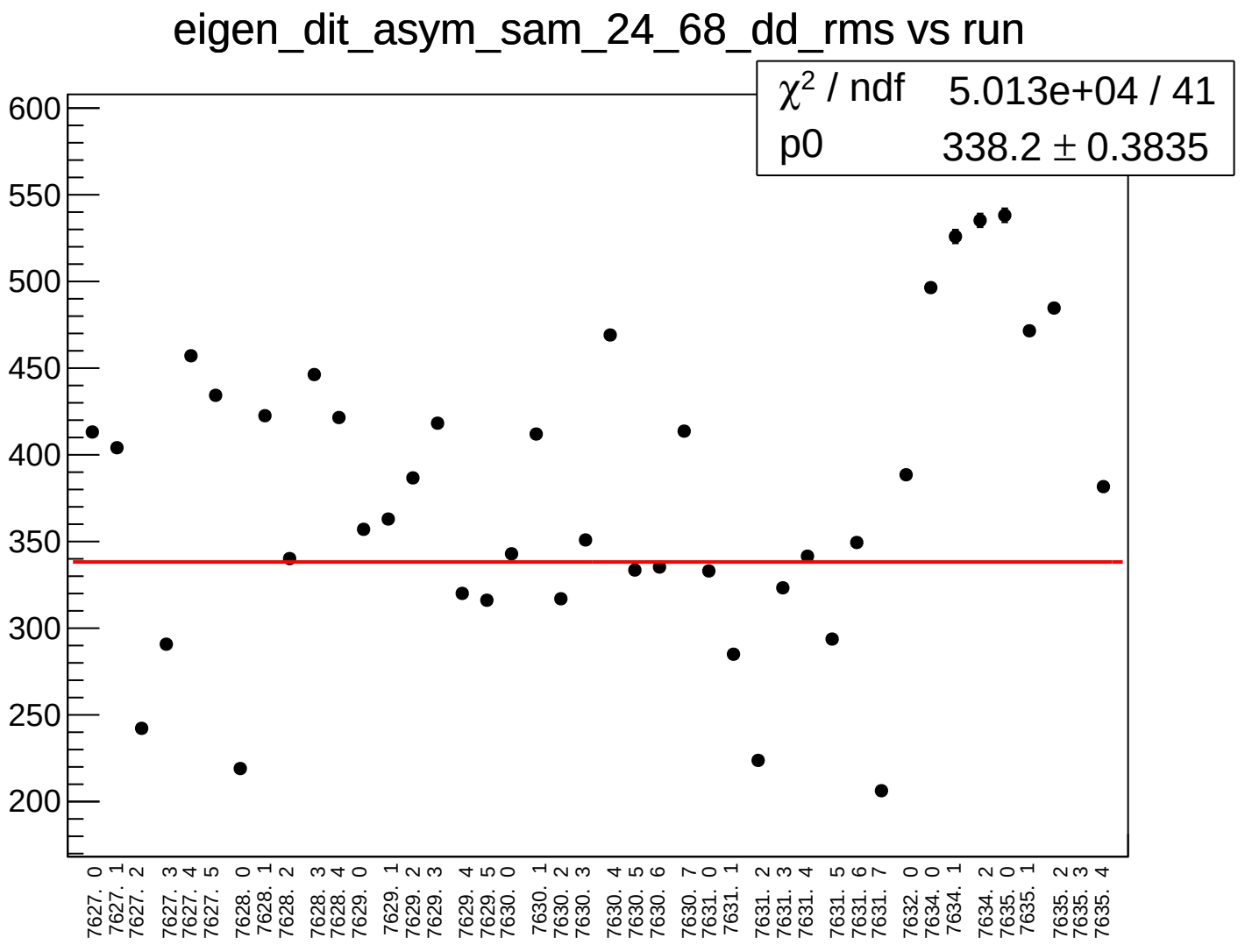
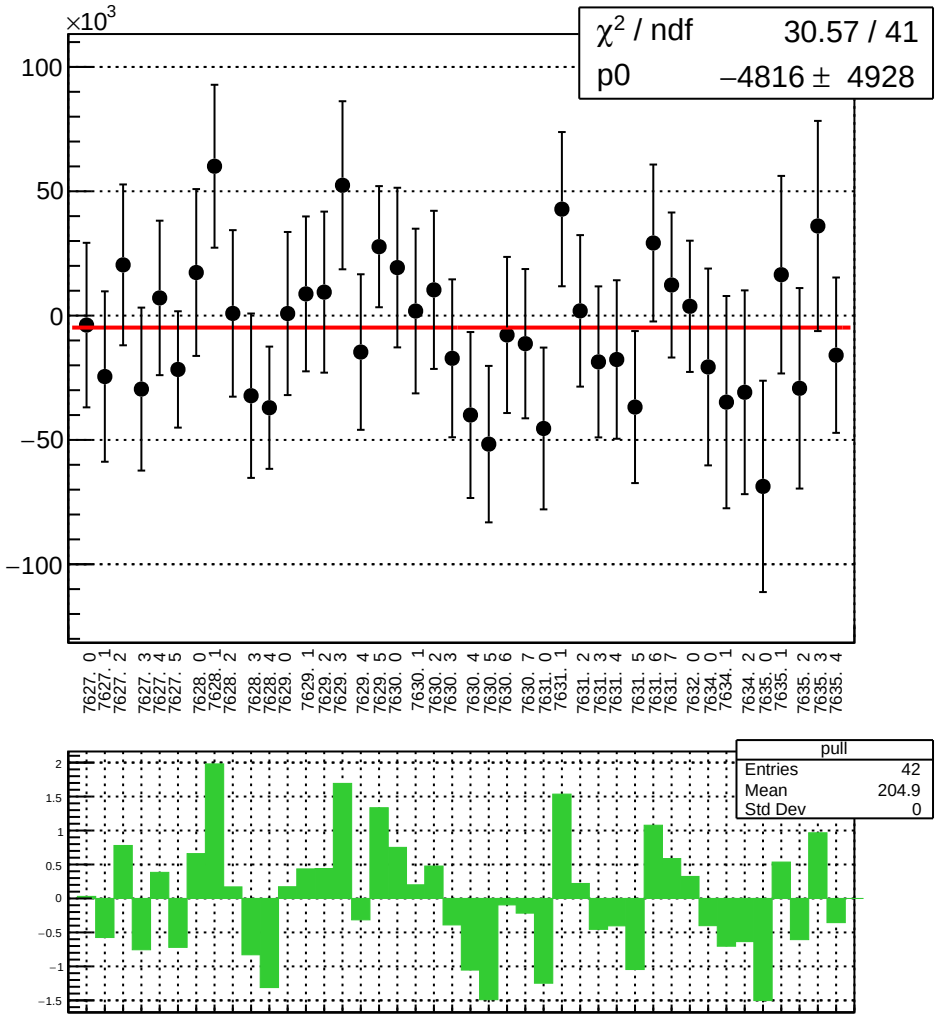
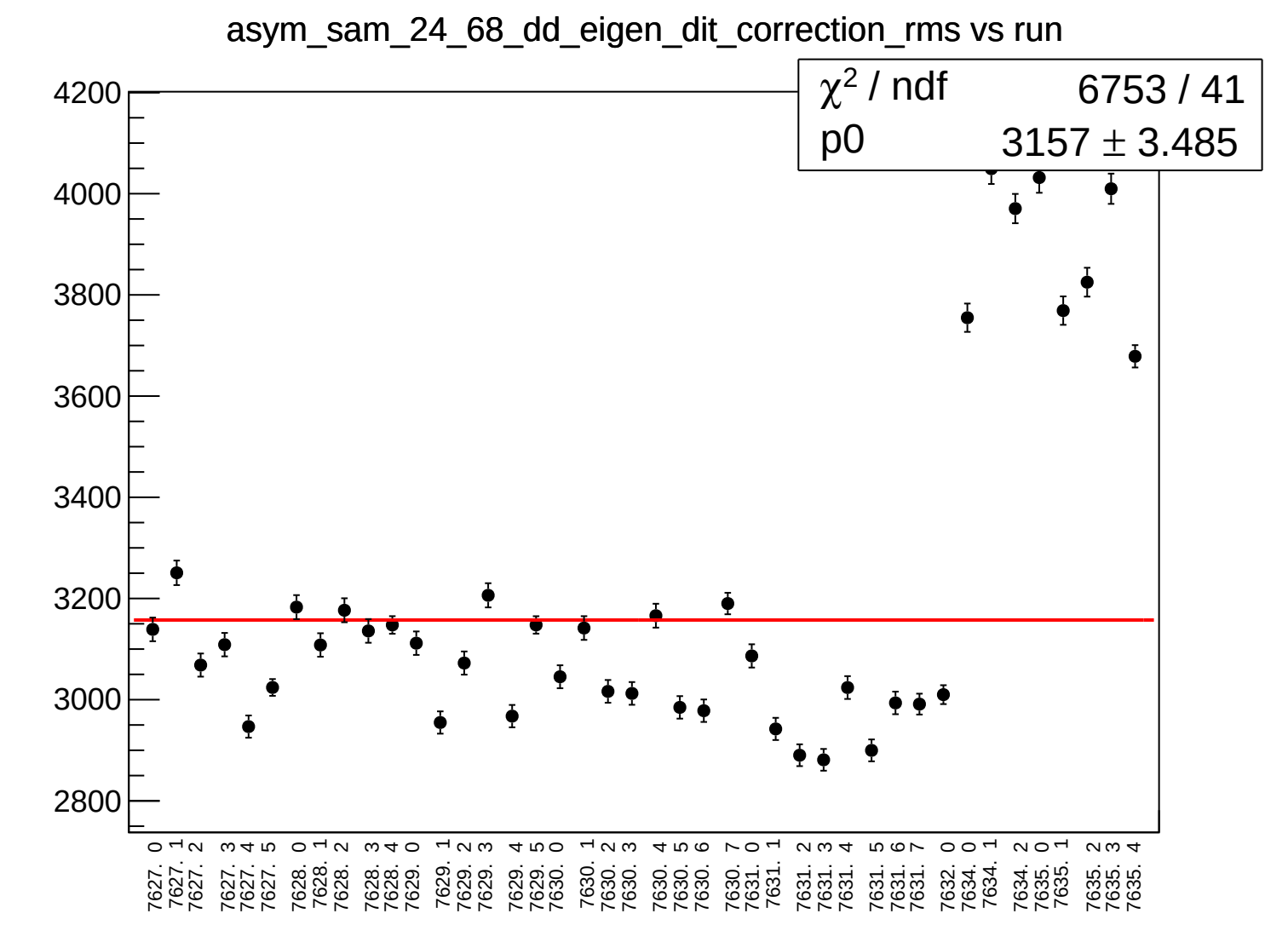
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

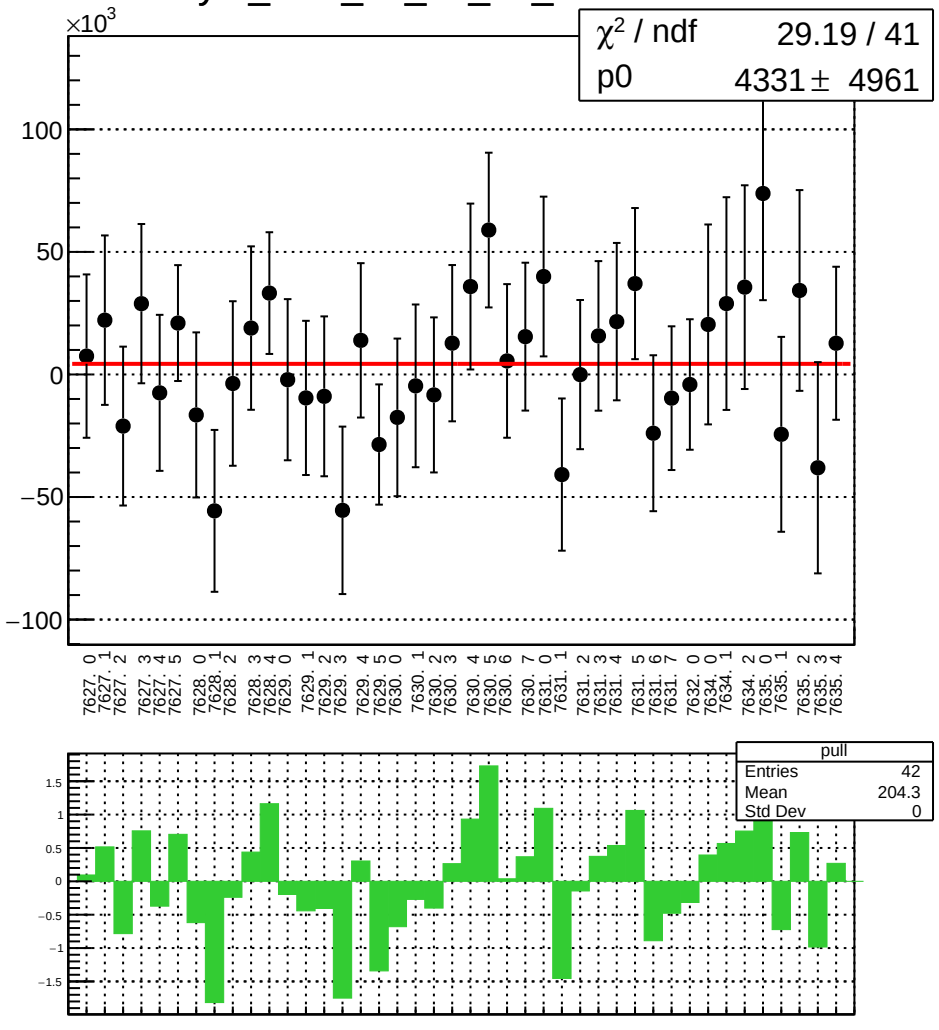

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 38.36 / 41
p0 −84.22 ± 542.4
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.53
Std Dev 0
2
1
0
−1
−2
−3

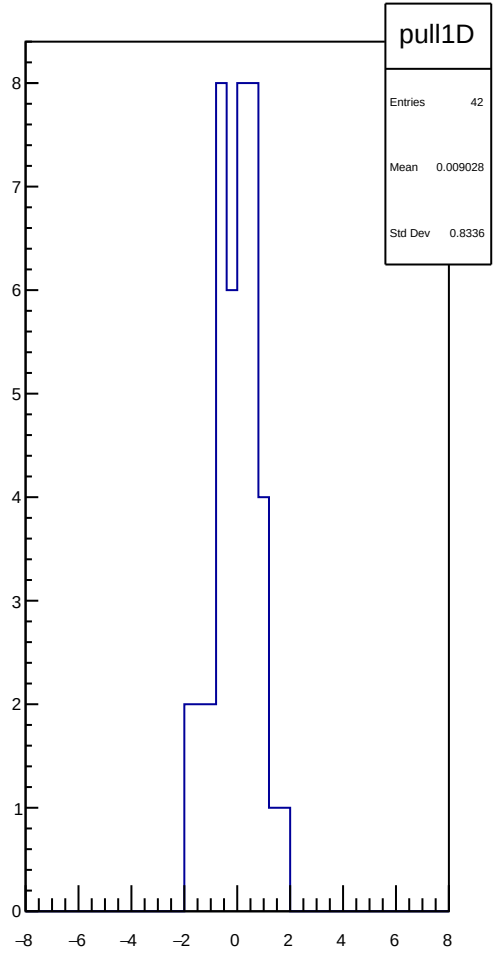

pull1D
Entries 42
Mean −0.05104
Std Dev 0.9543
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

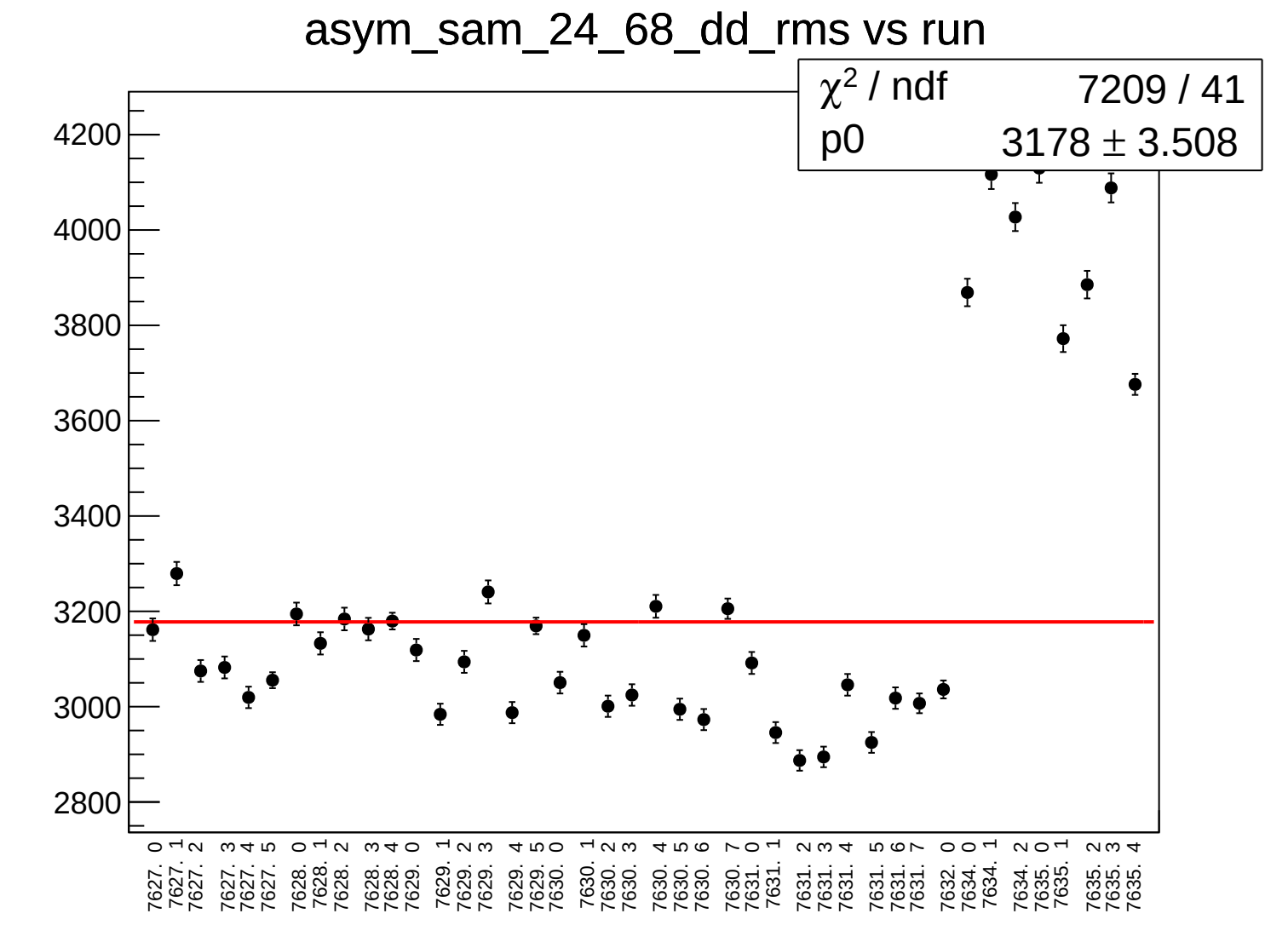

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5.013e+04 / 41
p0 338.2 ± 0.3835
600
550
500
450
400
350
300
250
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

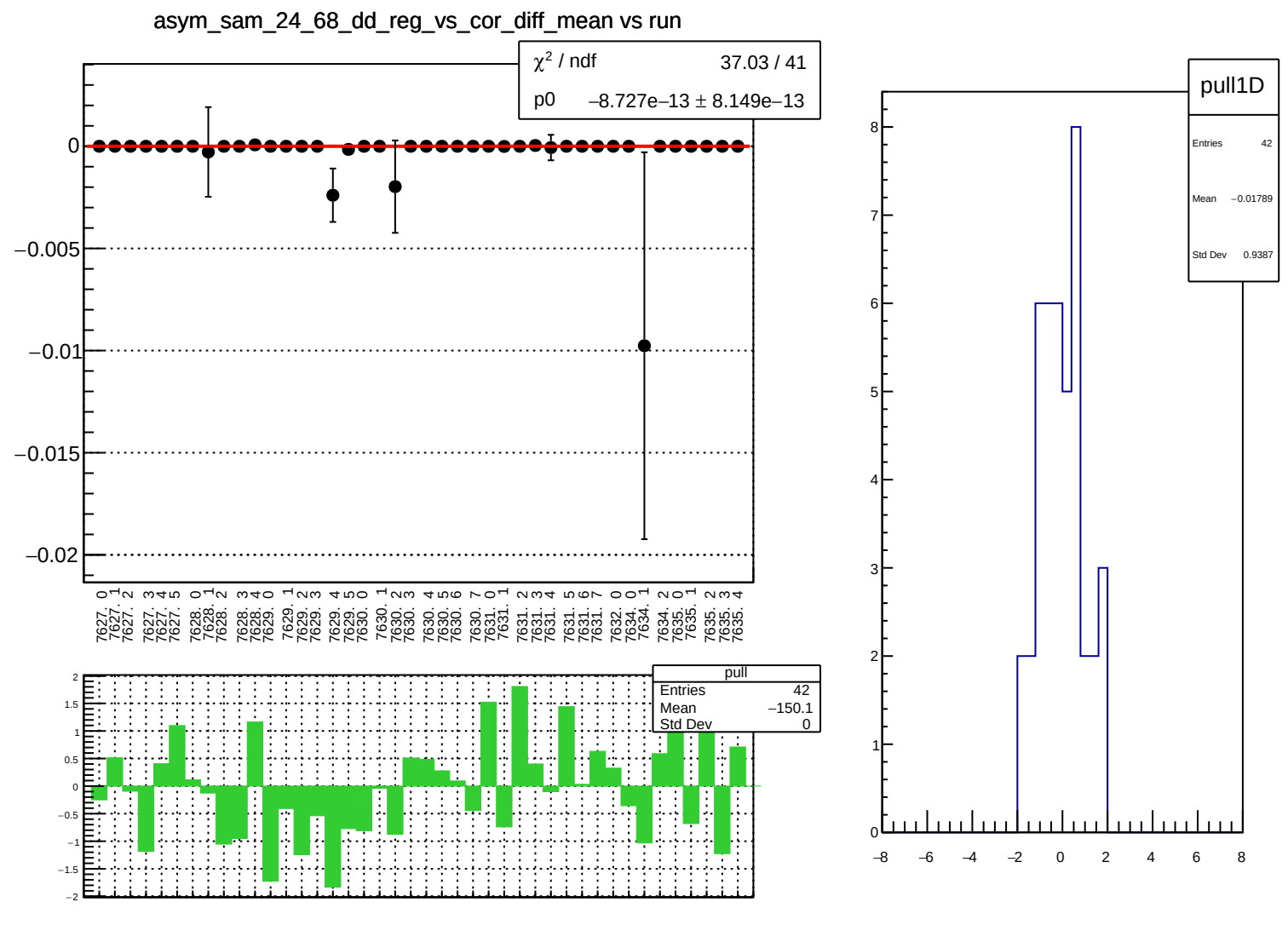

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 30.57 / 41
p0 −4816 ± 4928
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 204.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.008178
Std Dev 0.8531
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

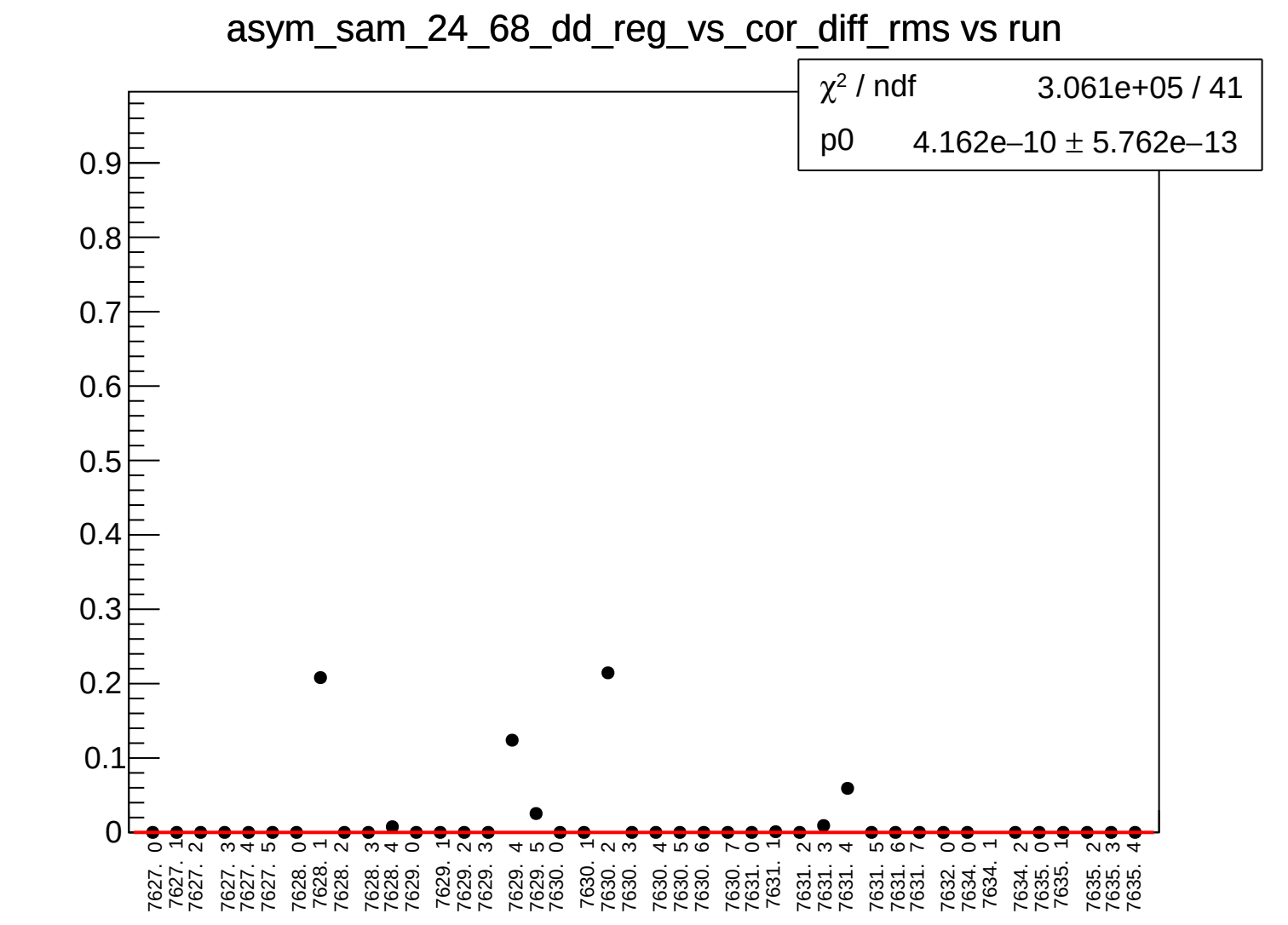

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 6753 / 41
p0 3157 ± 3.485
4200
4000
3800
3600
3400
3200
3000
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 29.19 / 41
p0 4331 ± 4961
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 204.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean 0.009028
Std Dev 0.8336
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_rms vs run
χ² / ndf 7209 / 41
p0 3178 ± 3.508
4200
4000
3800
3600
3400
3200
3000
2800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.03 / 41
p0 −8.727e−13 ± 8.149e−13
0
−0.005
−0.01
−0.015
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −150.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.01789
Std Dev 0.9387
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 3.061e+05 / 41
p0 4.162e−10 ± 5.762e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7634. 0
7634. 1
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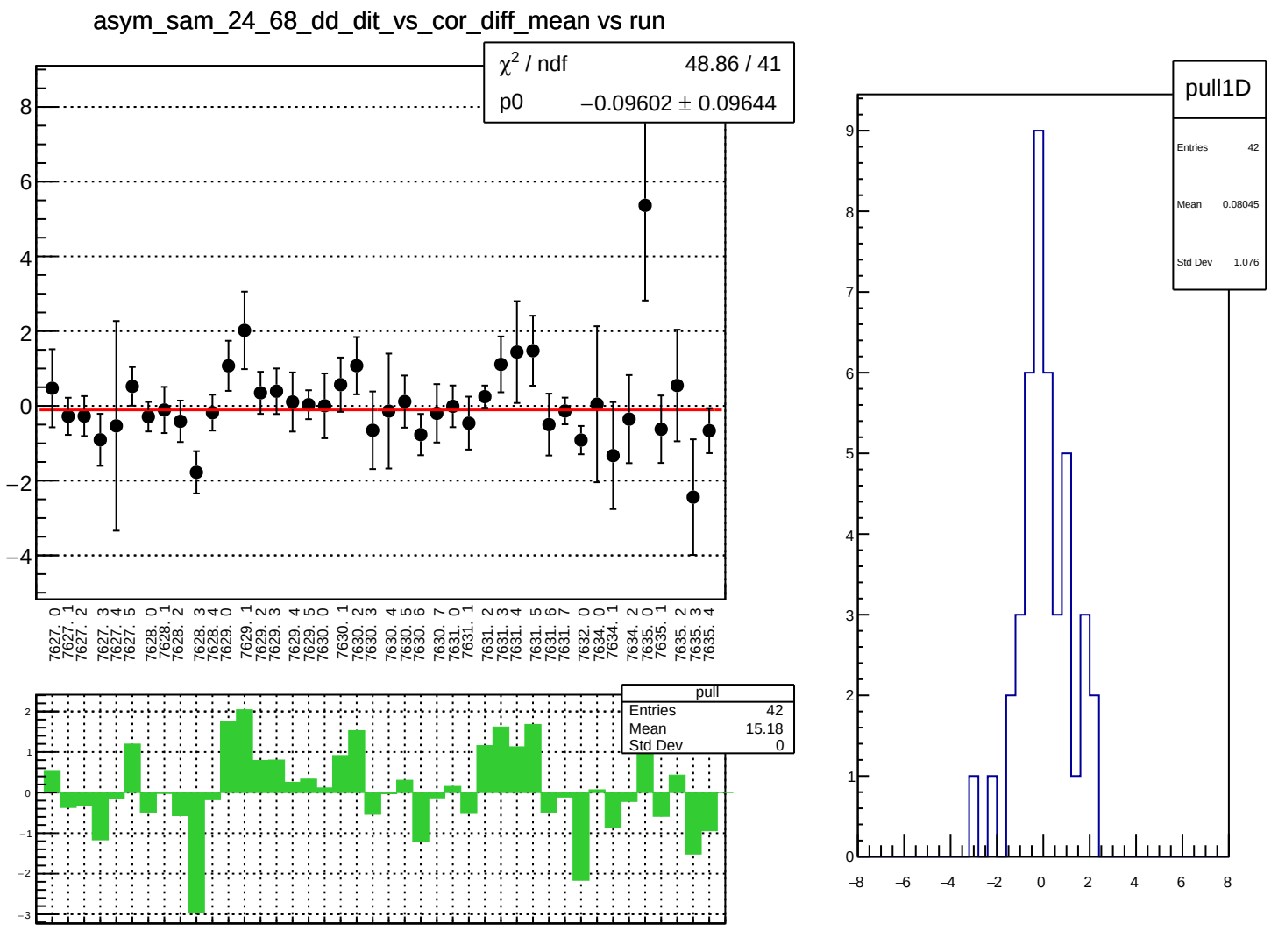
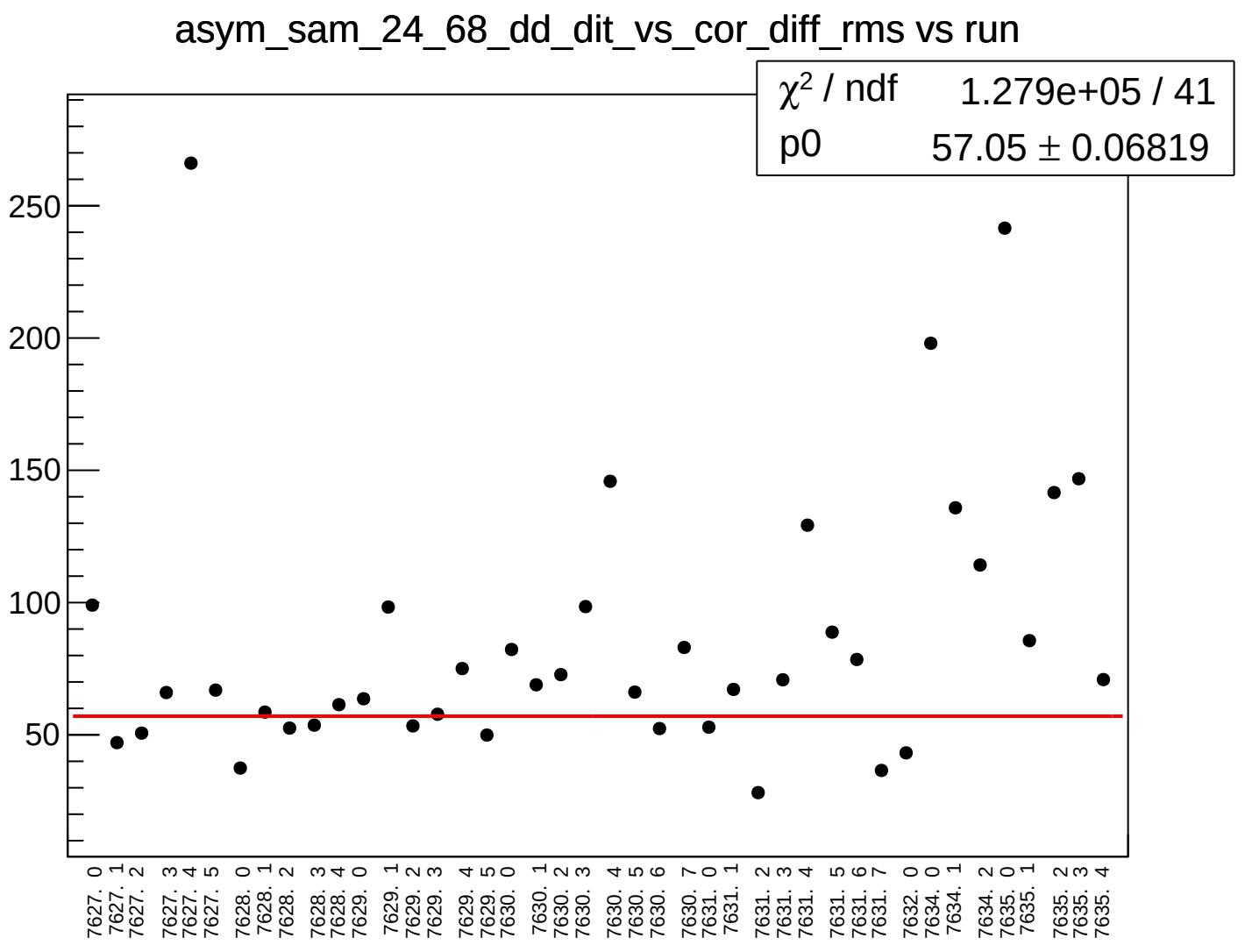
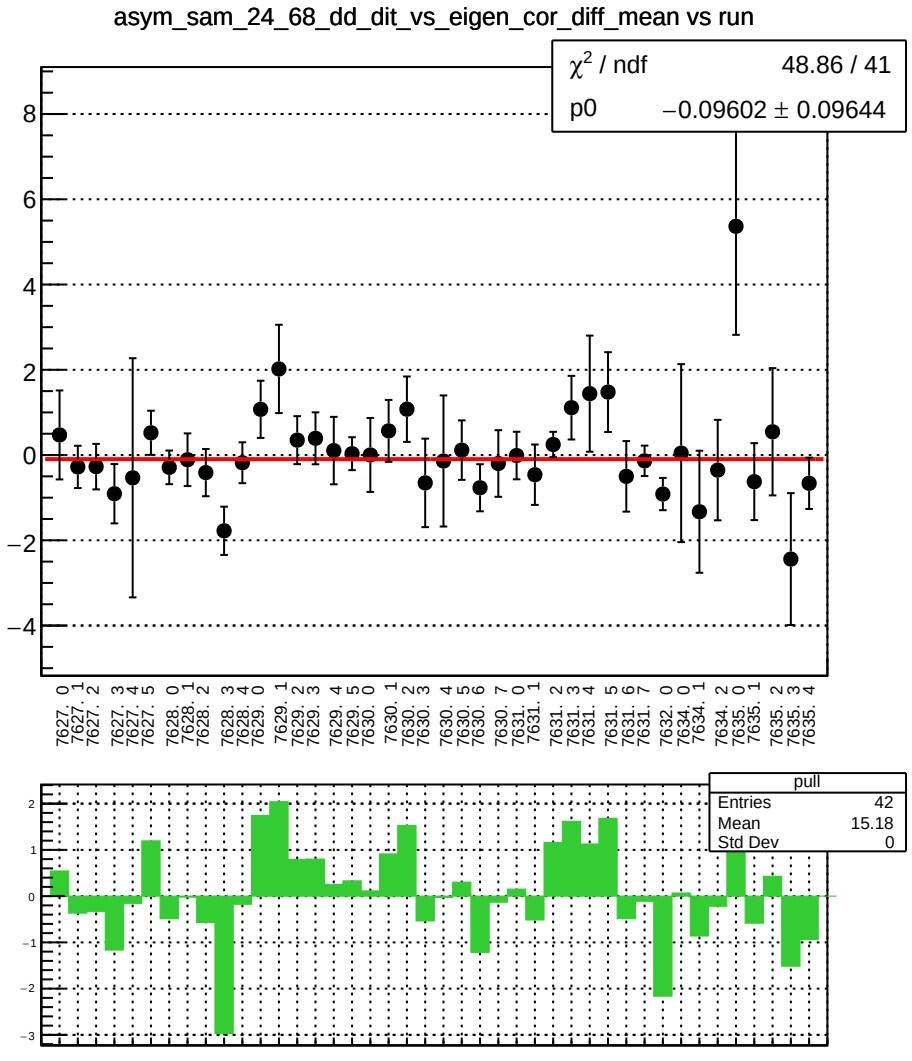
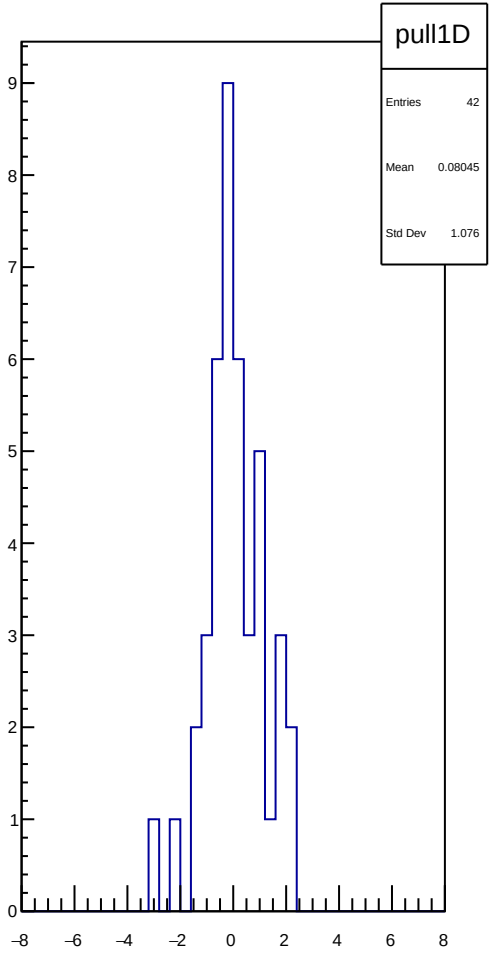
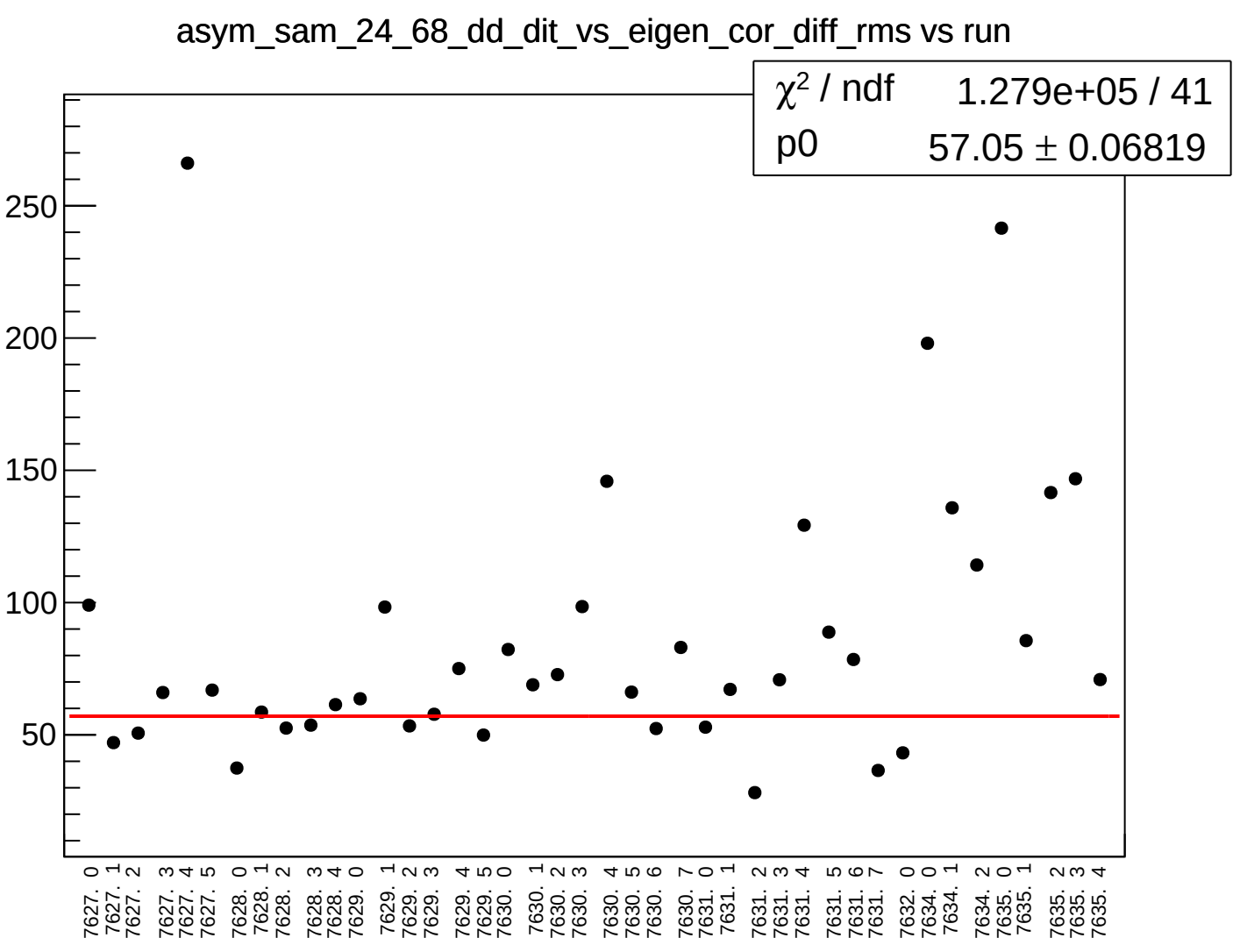
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

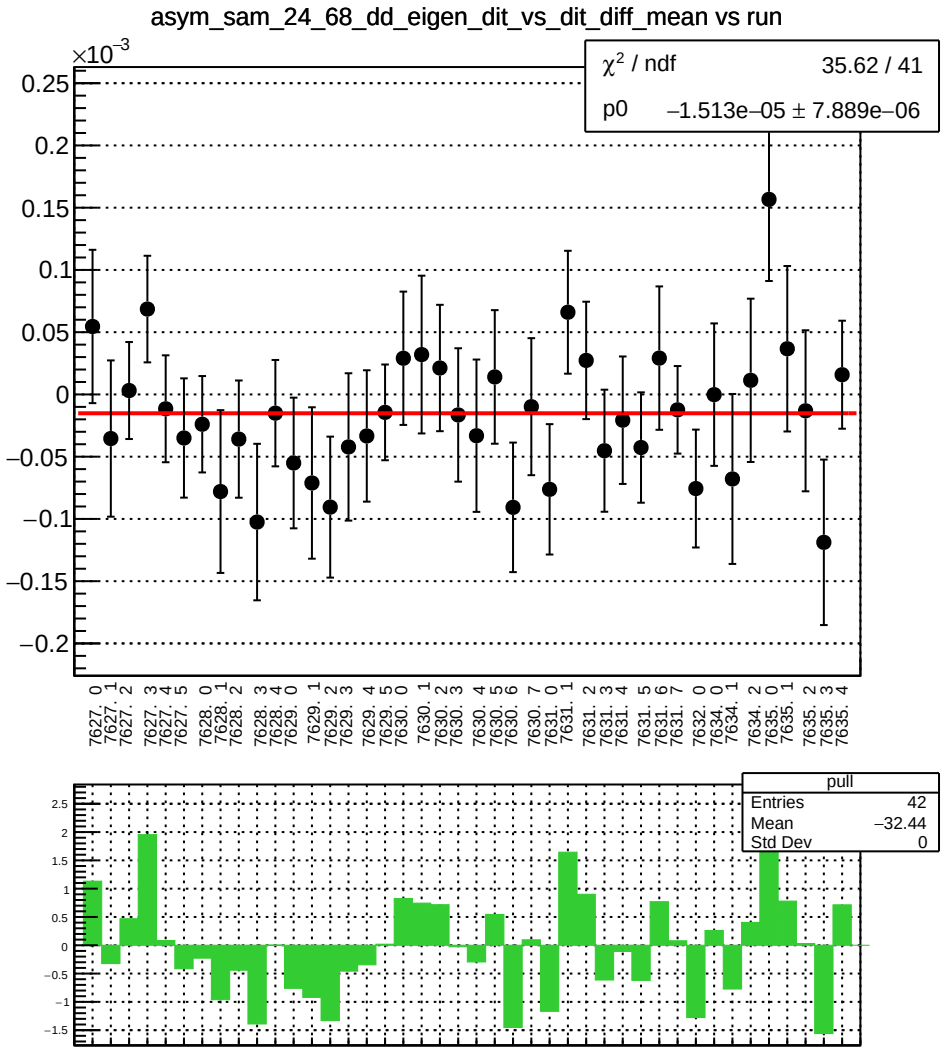

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.86 / 41
p0 −0.09602 ± 0.09644
pull
Entries 42
Mean 15.18
Std Dev 0
pull1D
Entries 42
Mean 0.08045
Std Dev 1.076

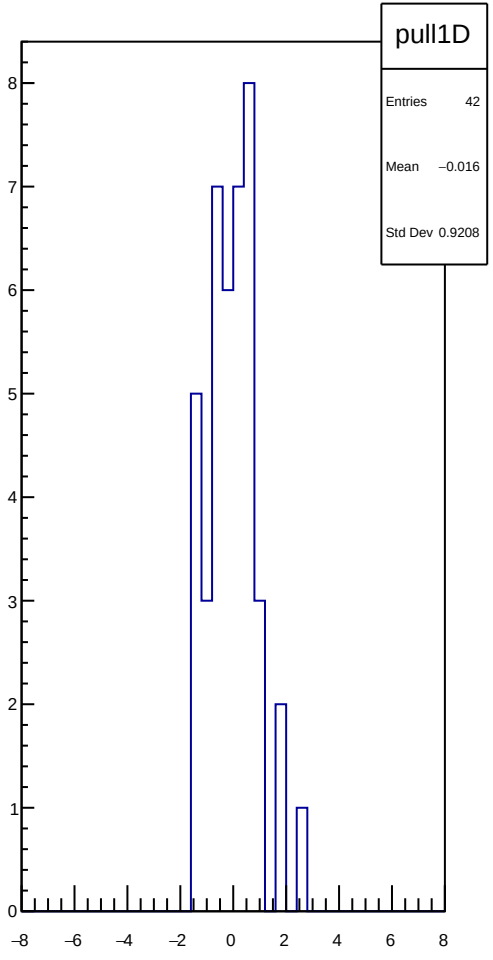

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 41
p0 57.05 ± 0.06819
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

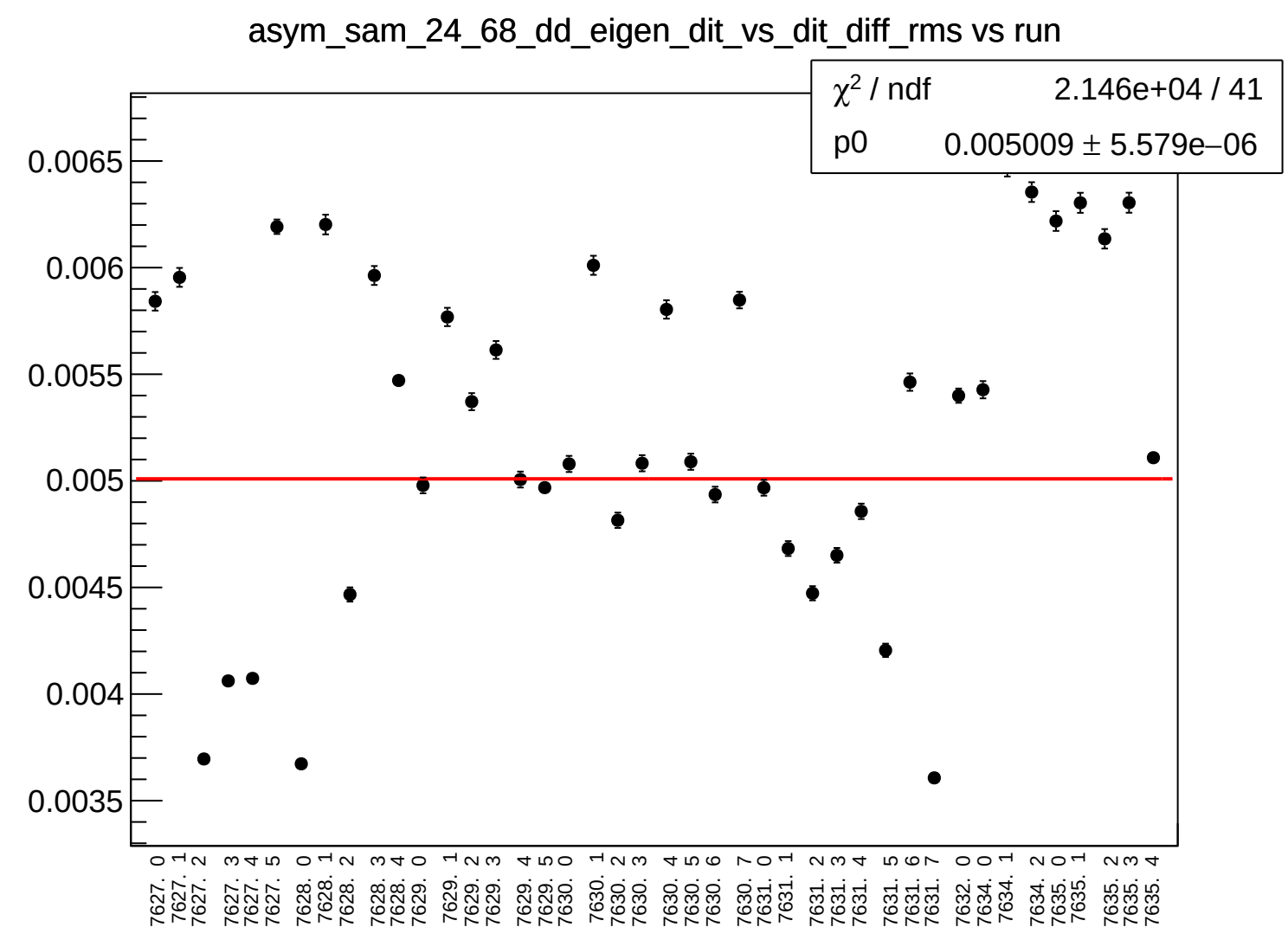

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.86 / 41
p0 −0.09602 ± 0.09644
pull
Entries 42
Mean 15.18
Std Dev 0

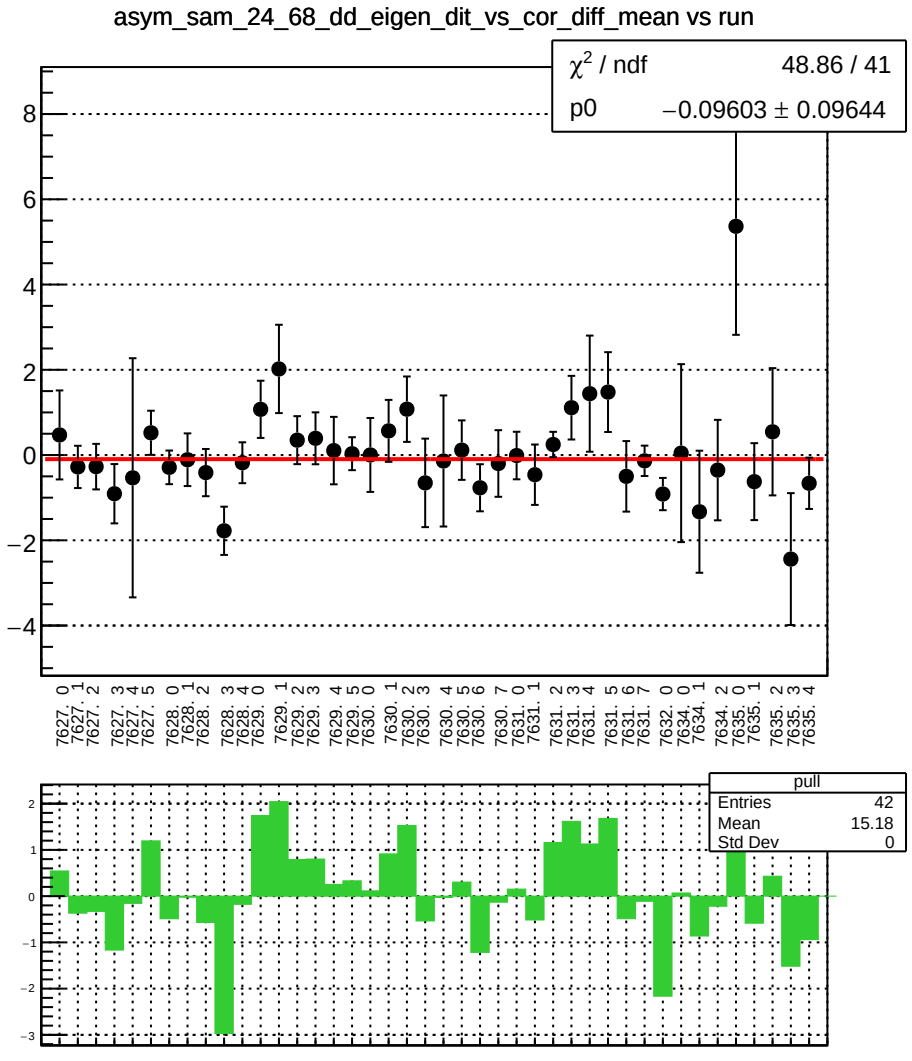

pull1D
Entries 42
Mean 0.08045
Std Dev 1.076

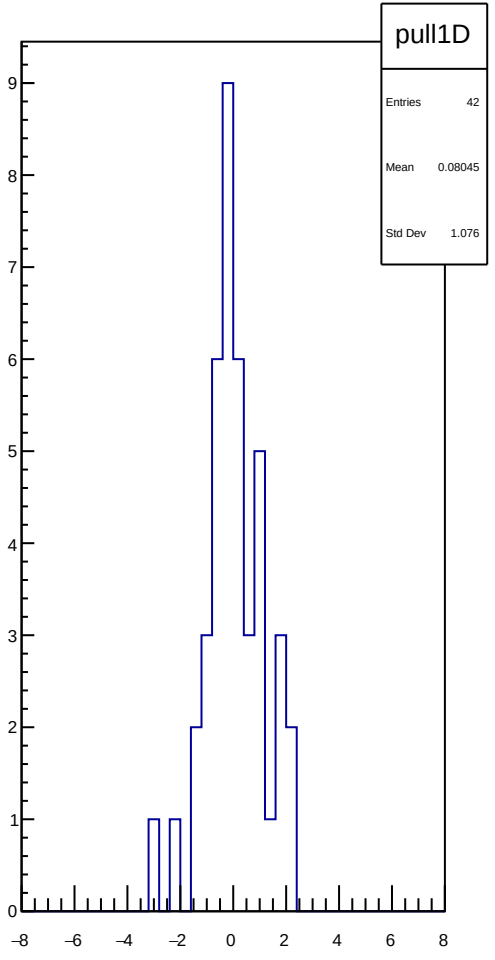

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 41
p0 57.05 ± 0.06819
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

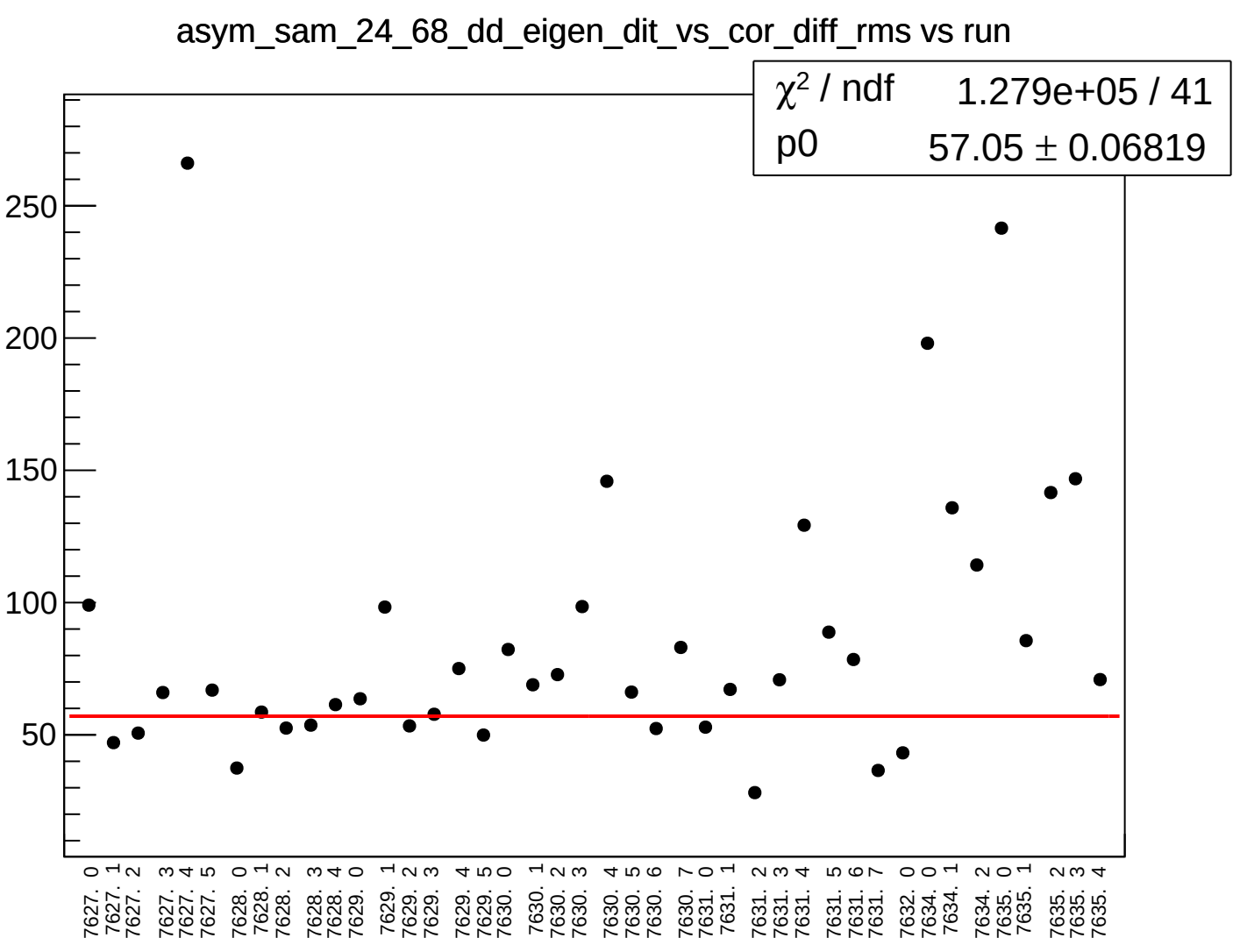

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 35.62 / 41
p0 −1.513e−05 ± 7.889e−06
pull
Entries 42
Mean −32.44
Std Dev 0

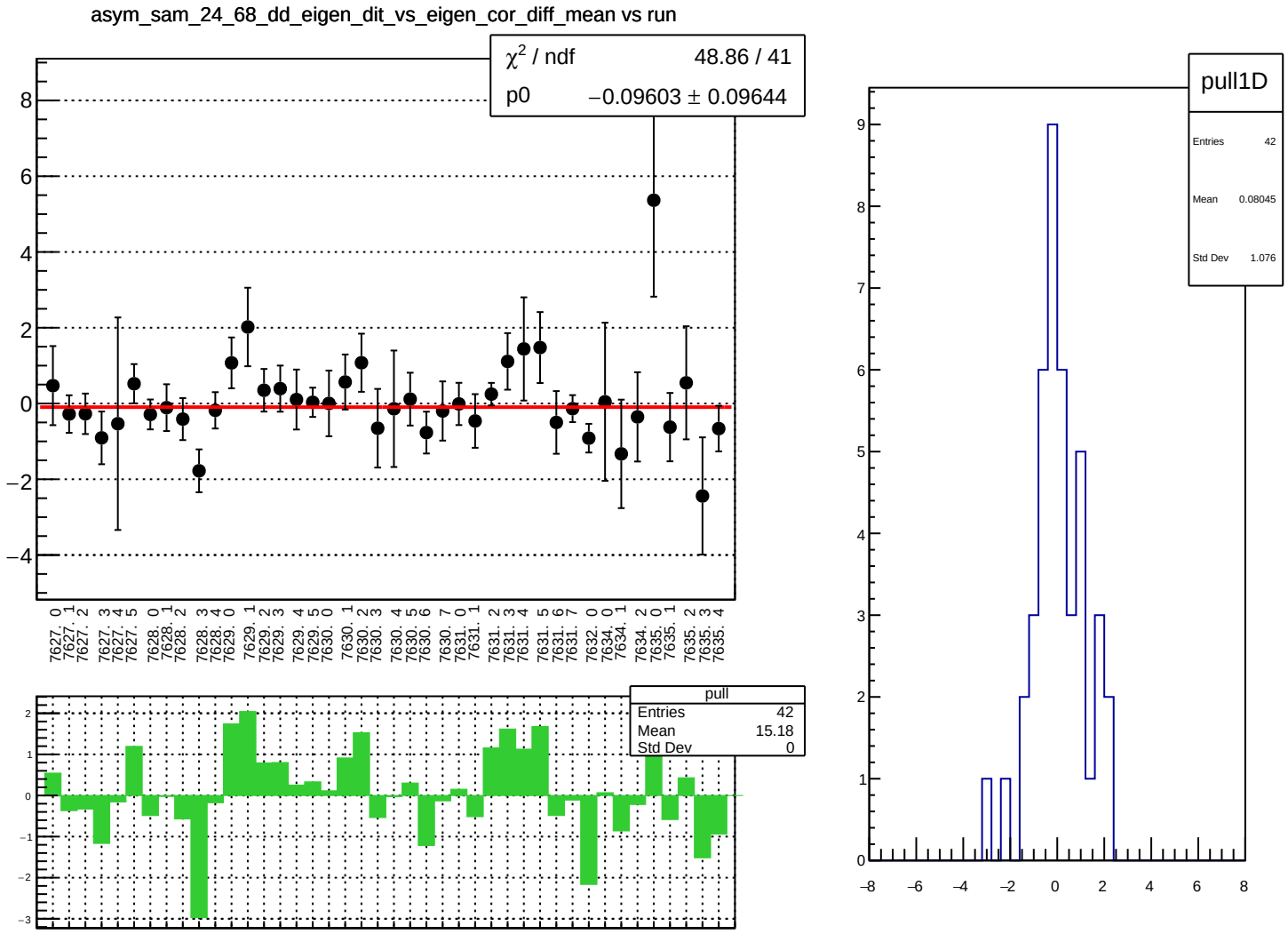

pull1D
Entries 42
Mean −0.016
Std Dev 0.9208

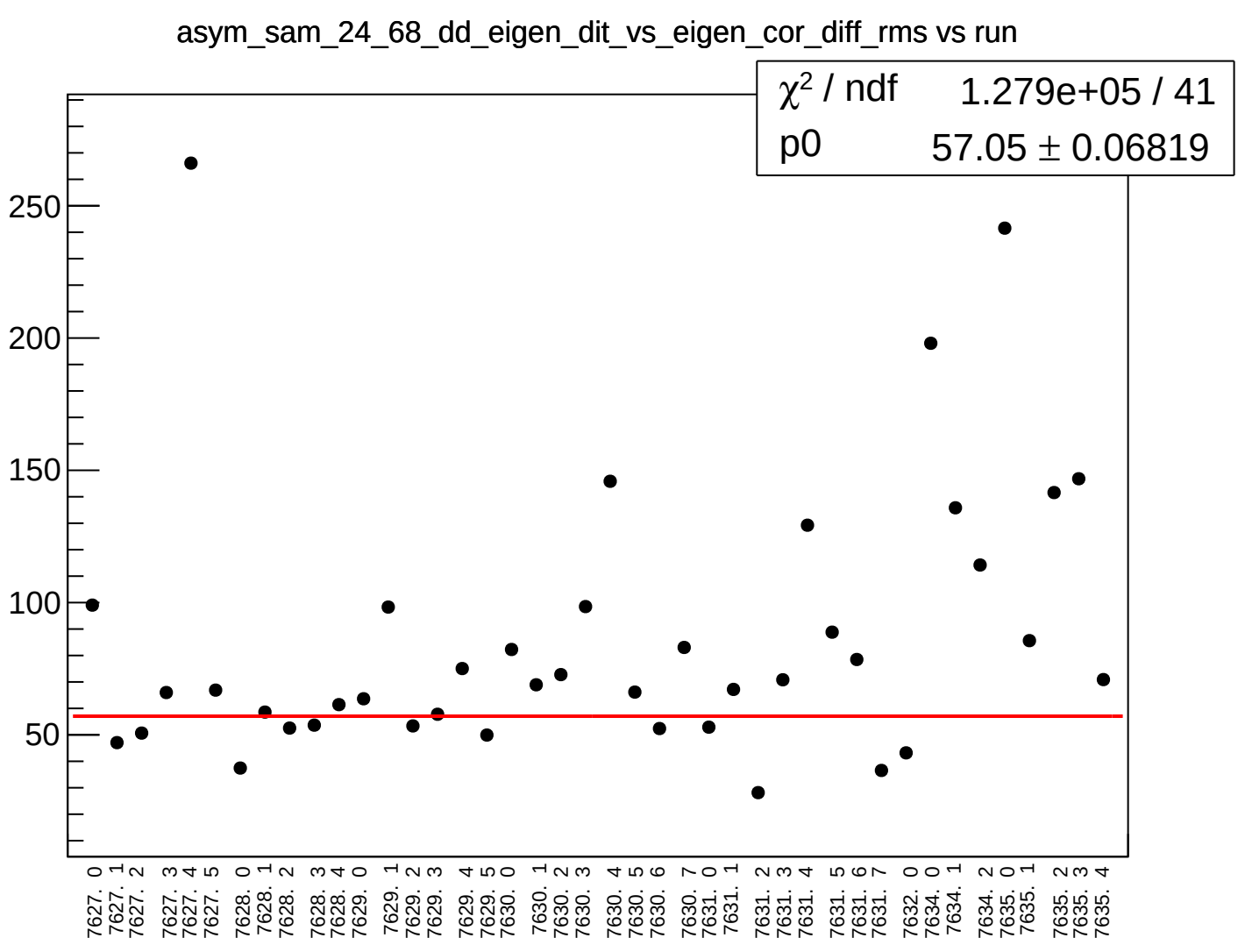

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.146e+04 / 41
p0 0.005009 ± 5.579e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

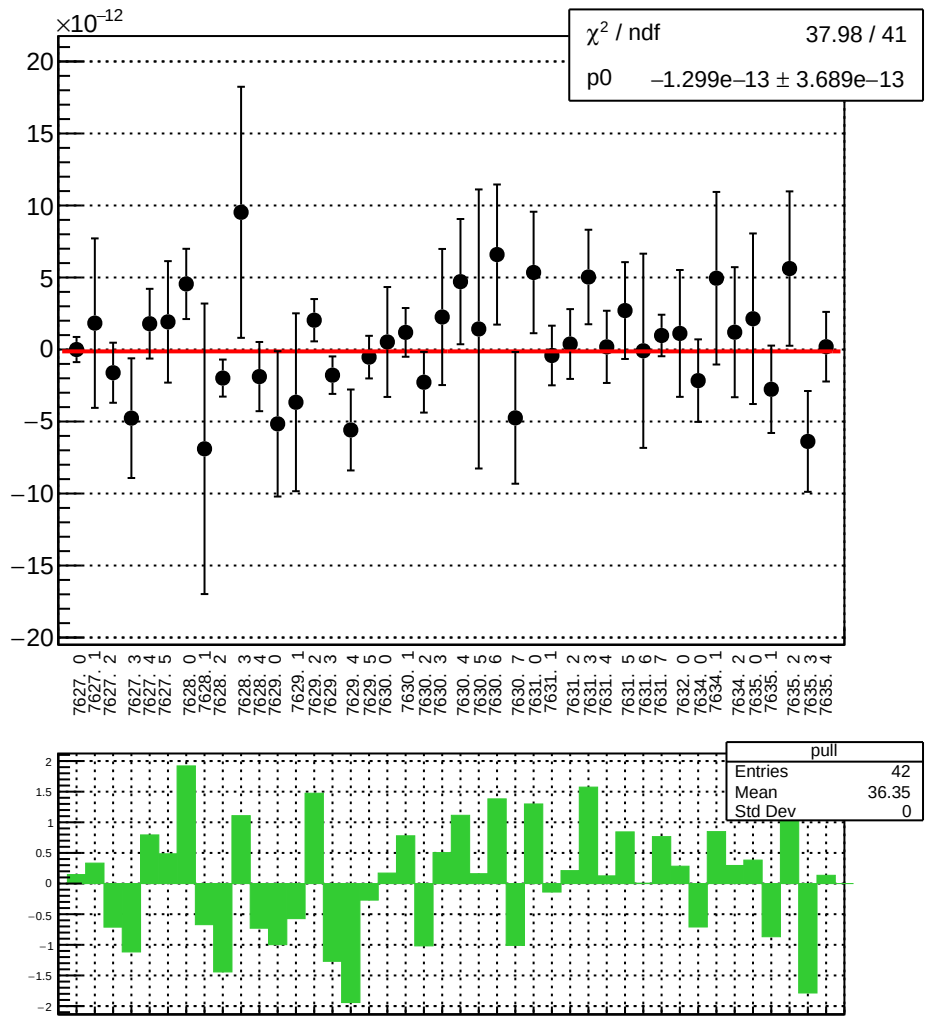

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.86 / 41
p0 −0.09603 ± 0.09644
pull
Entries 42
Mean 15.18
Std Dev 0

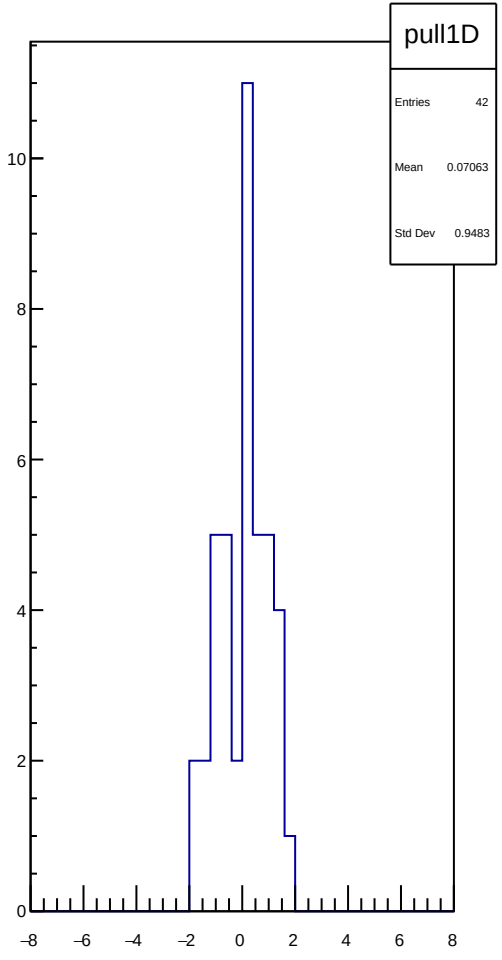

pull1D
Entries 42
Mean 0.08045
Std Dev 1.076

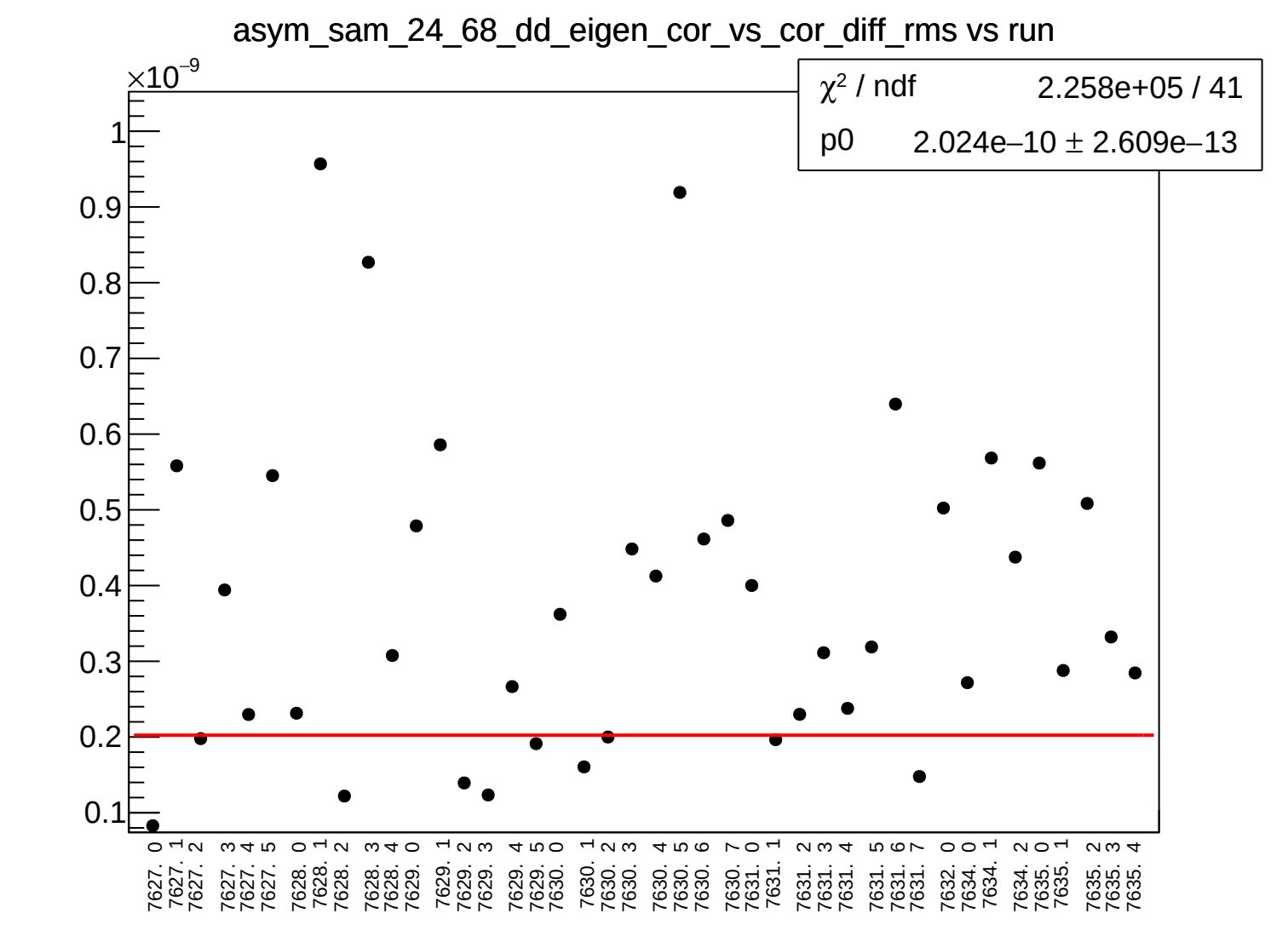

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 41
p0 57.05 ± 0.06819
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

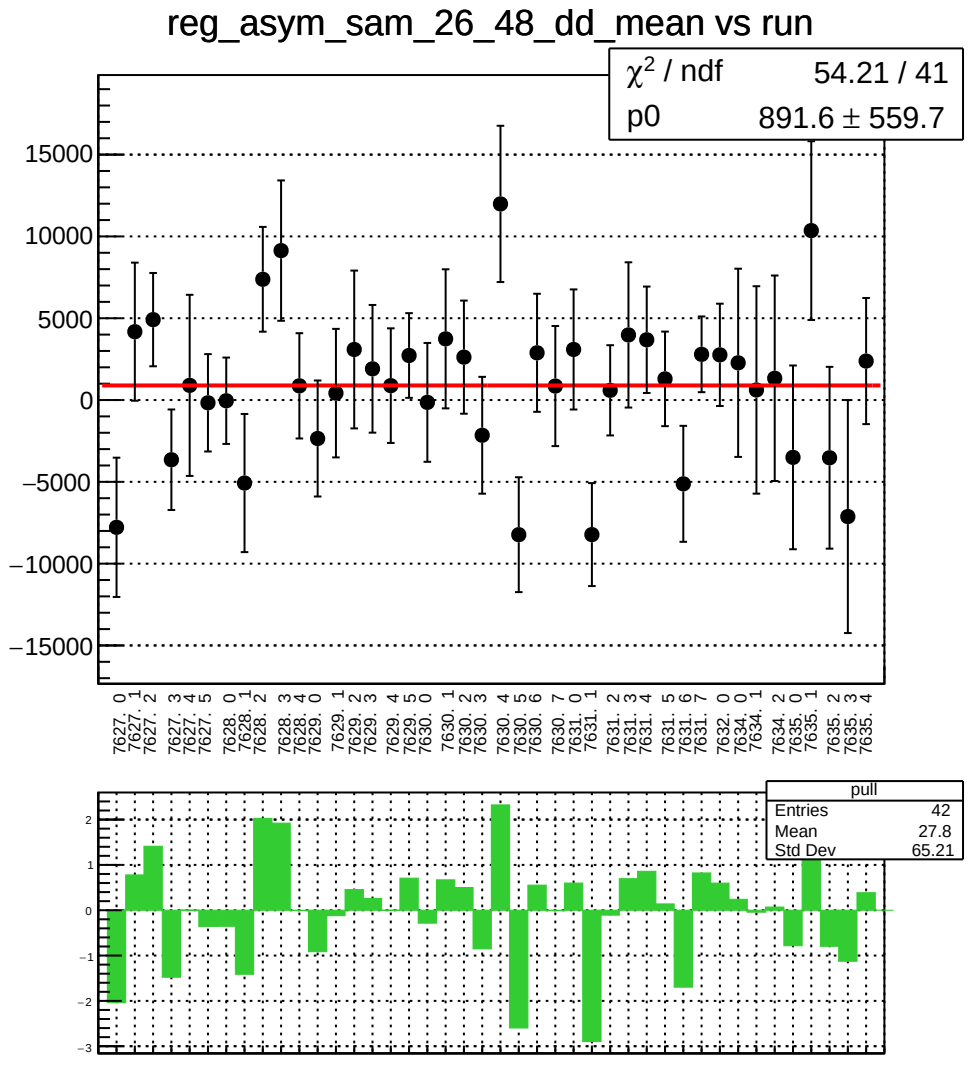

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.86 / 41
p0 −0.09603 ± 0.09644
pull
Entries 42
Mean 15.18
Std Dev 0
pull1D
Entries 42
Mean 0.08045
Std Dev 1.076

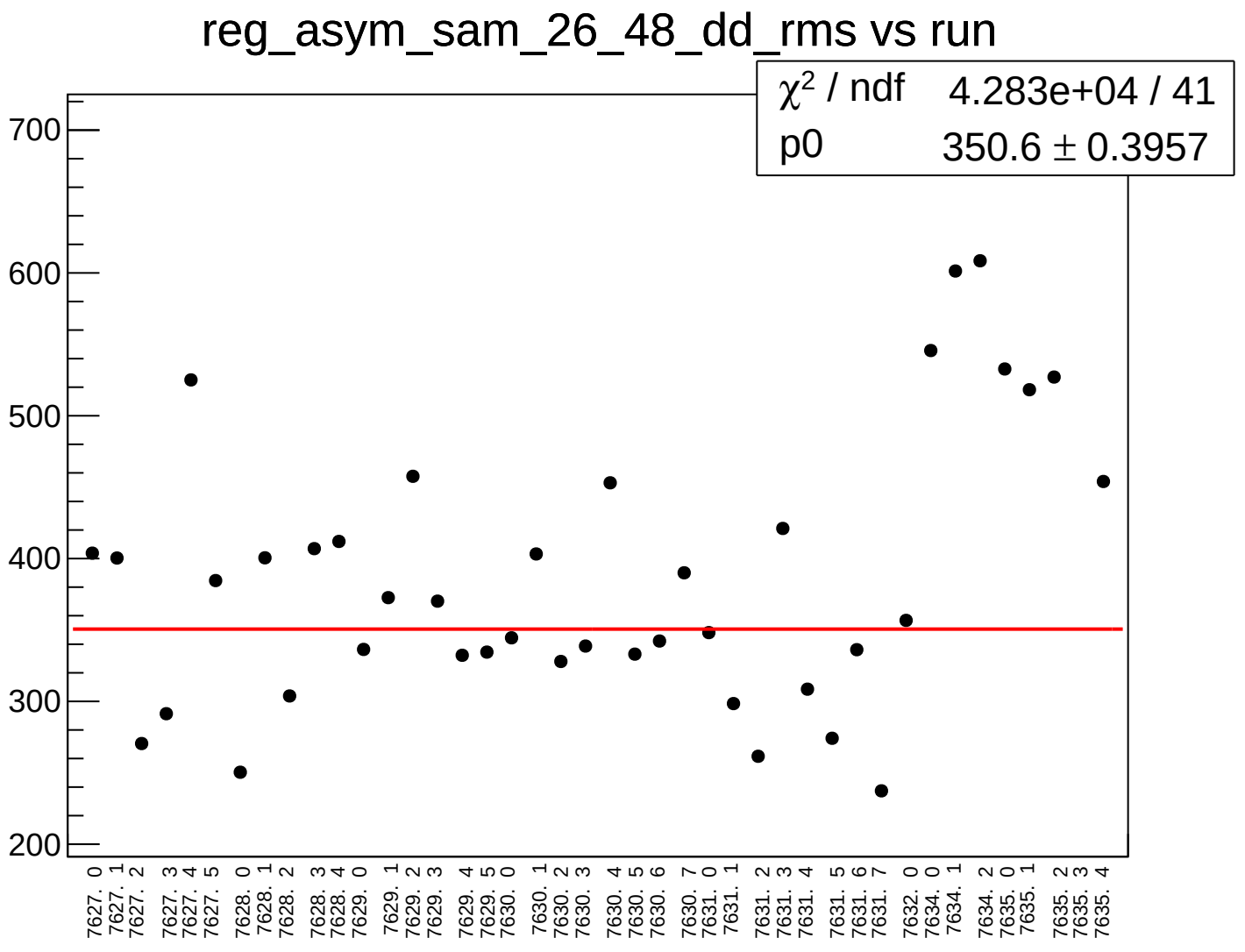

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 41
p0 57.05 ± 0.06819
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

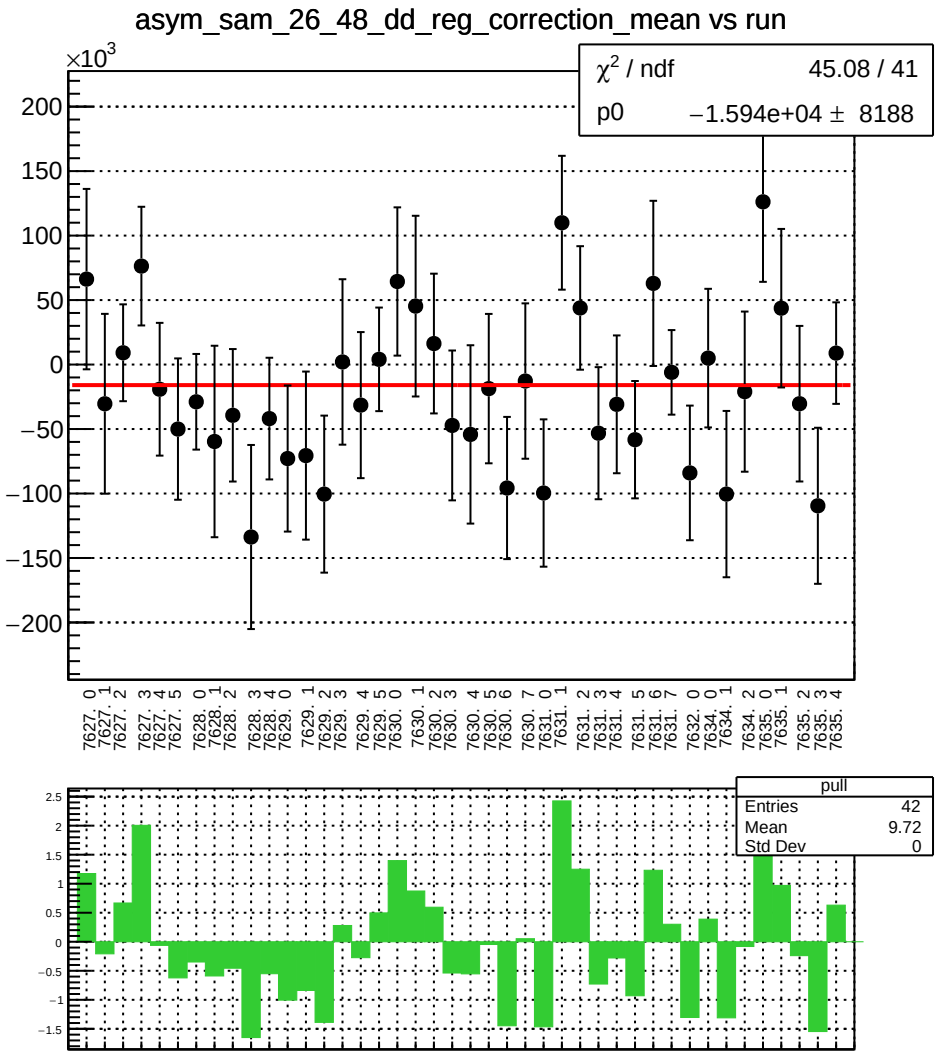

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.98 / 41
p0 −1.299e−13 ± 3.689e−13
pull
Entries 42
Mean 36.35
Std Dev 0

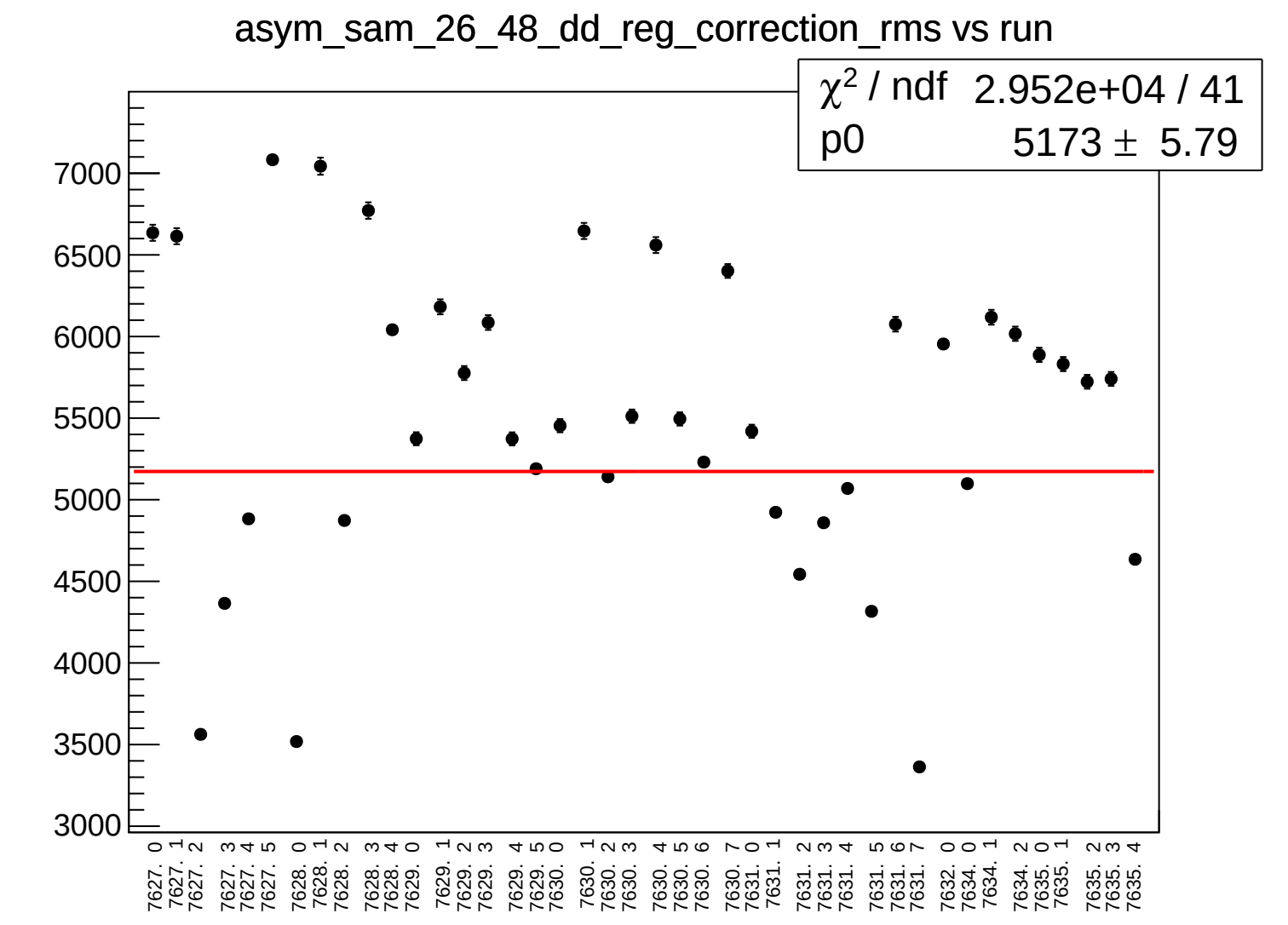

pull1D
Entries 42
Mean 0.07063
Std Dev 0.9483

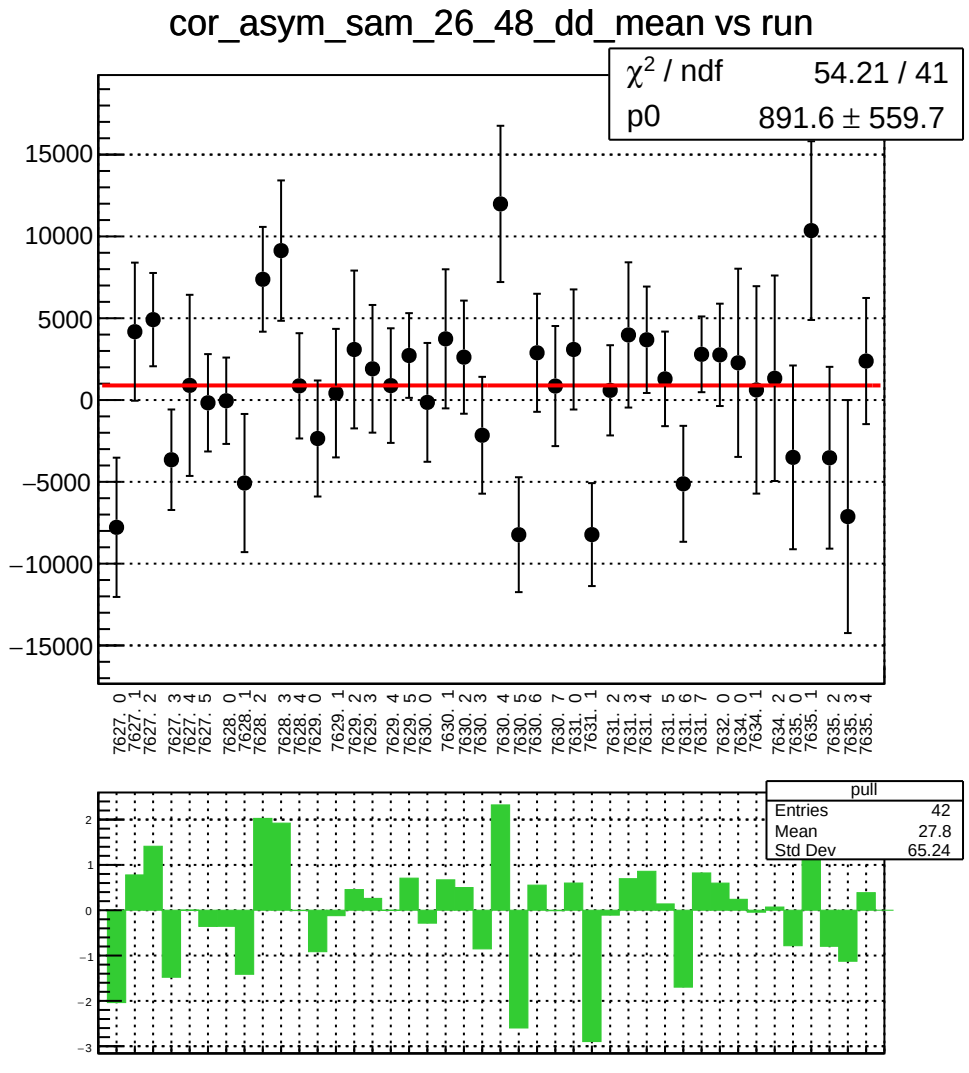

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.258e+05 / 41
p0 2.024e−10 ± 2.609e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

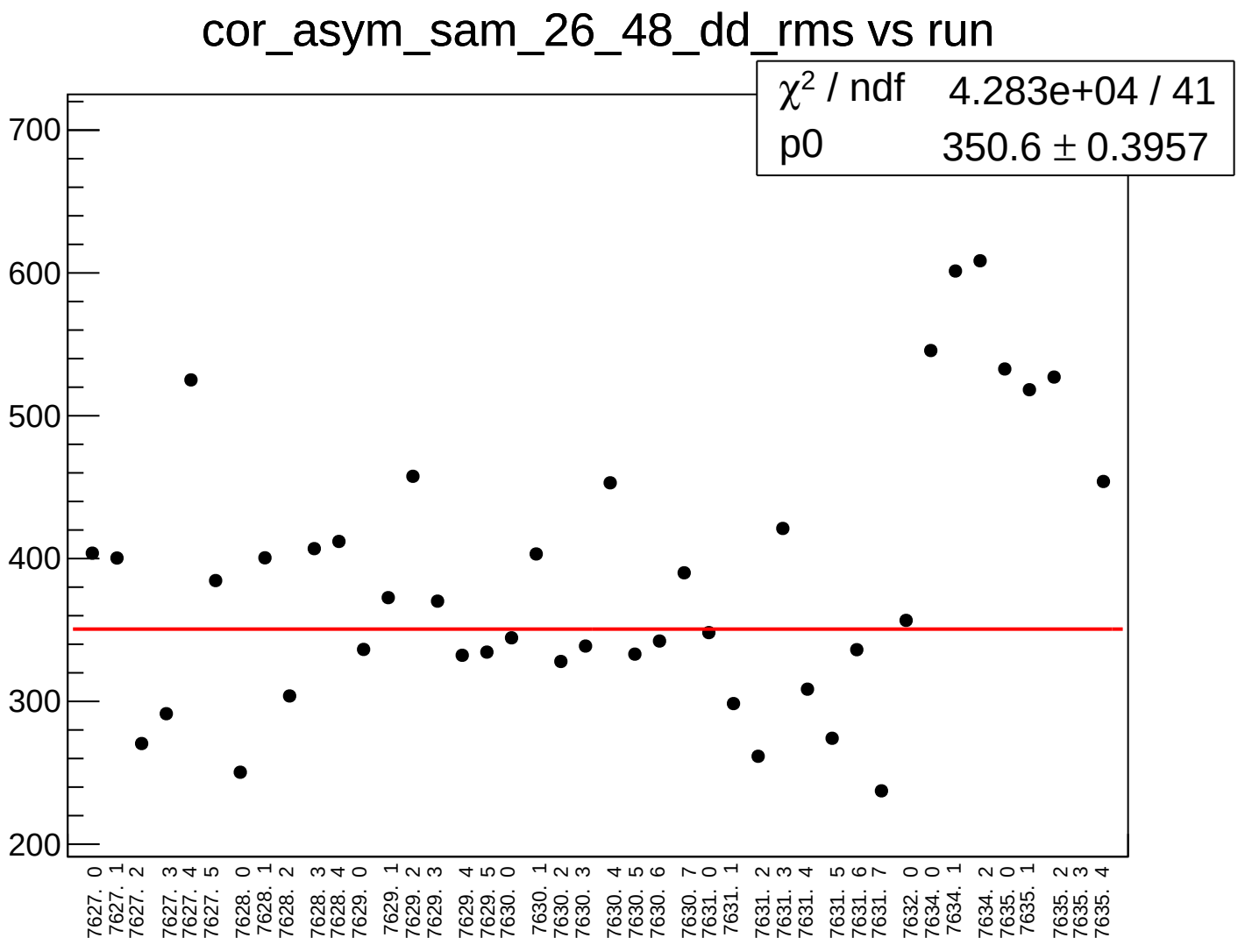

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 54.21 / 41
p0 891.6 ± 559.7
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 27.8
Std Dev 65.21
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.002977
Std Dev 1.136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

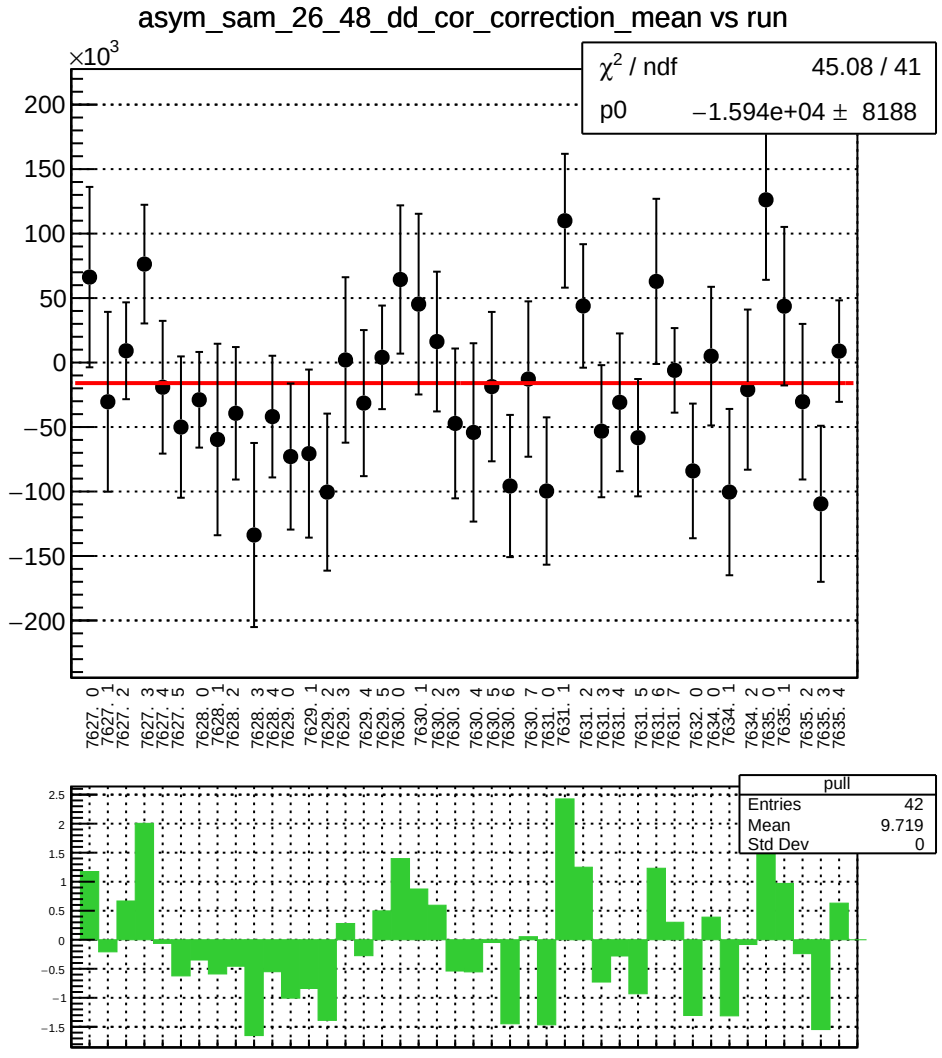

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 4.283e+04 / 41
p0 350.6 ± 0.3957
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

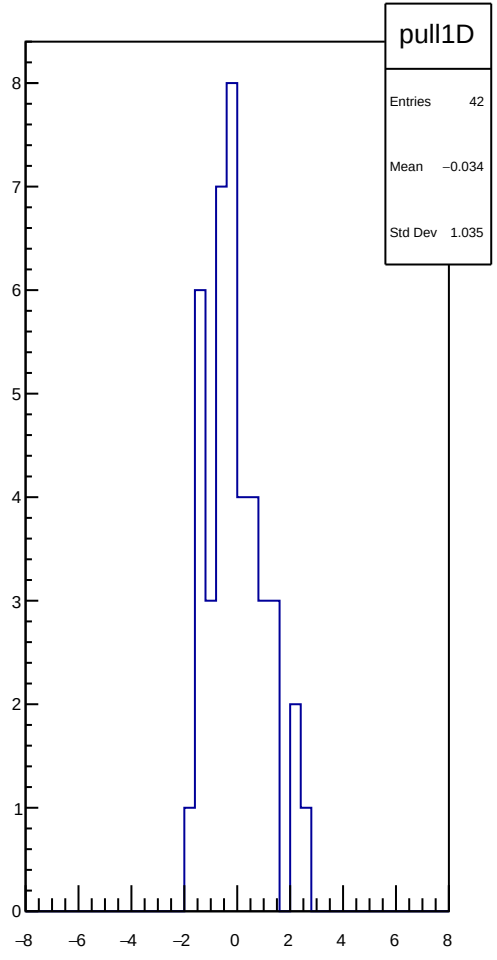

asym_sam_26_48_dd_reg_correction_mean vs run
×10^3
χ² / ndf 45.08 / 41
p0 −1.594e+04 ± 8188
pull
Entries 42
Mean 9.72
Std Dev 0
pull1D
Entries 42
Mean −0.034
Std Dev 1.035

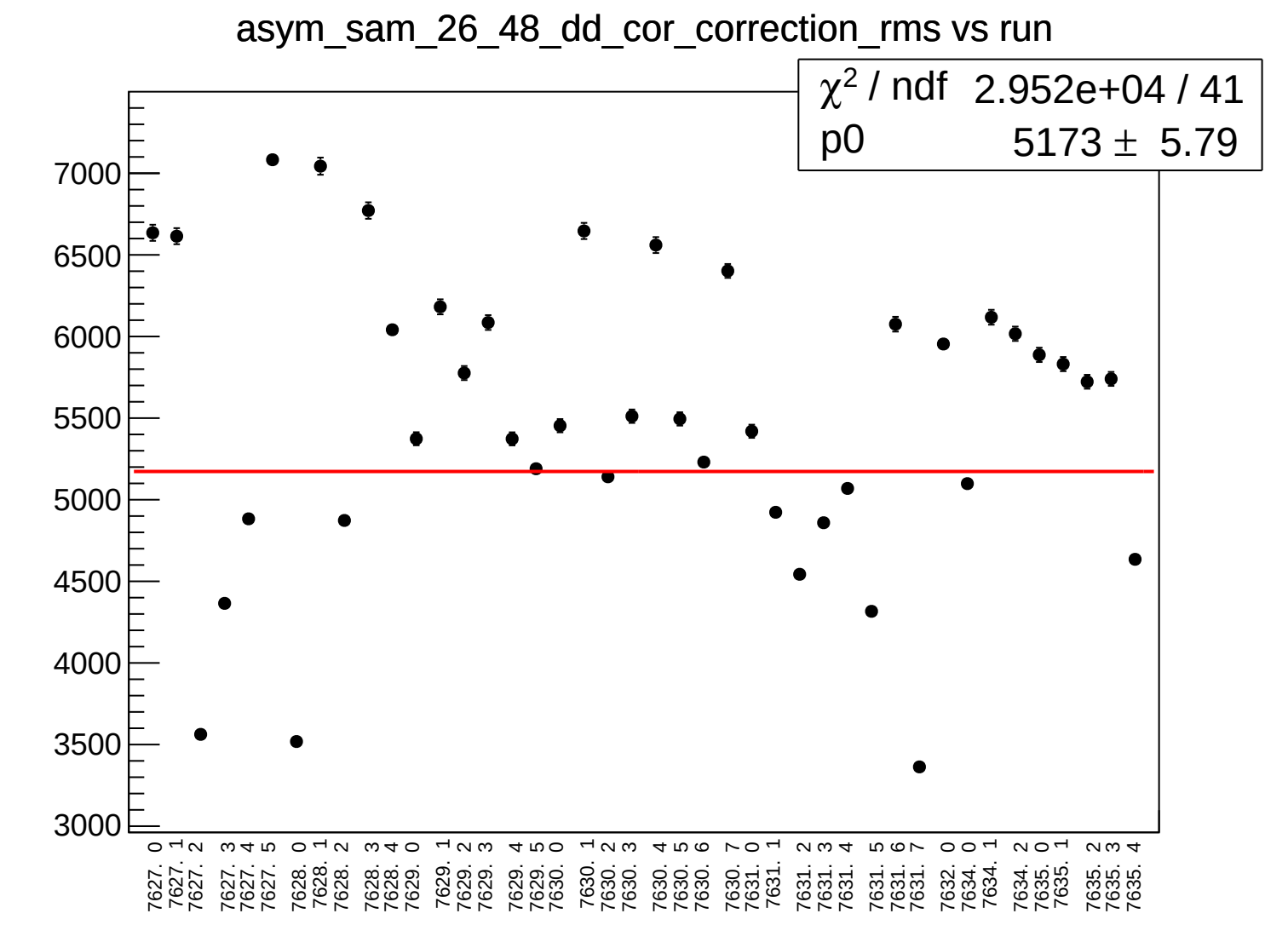

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 2.952e+04 / 41
p0 5173 ± 5.79
7000
6500
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

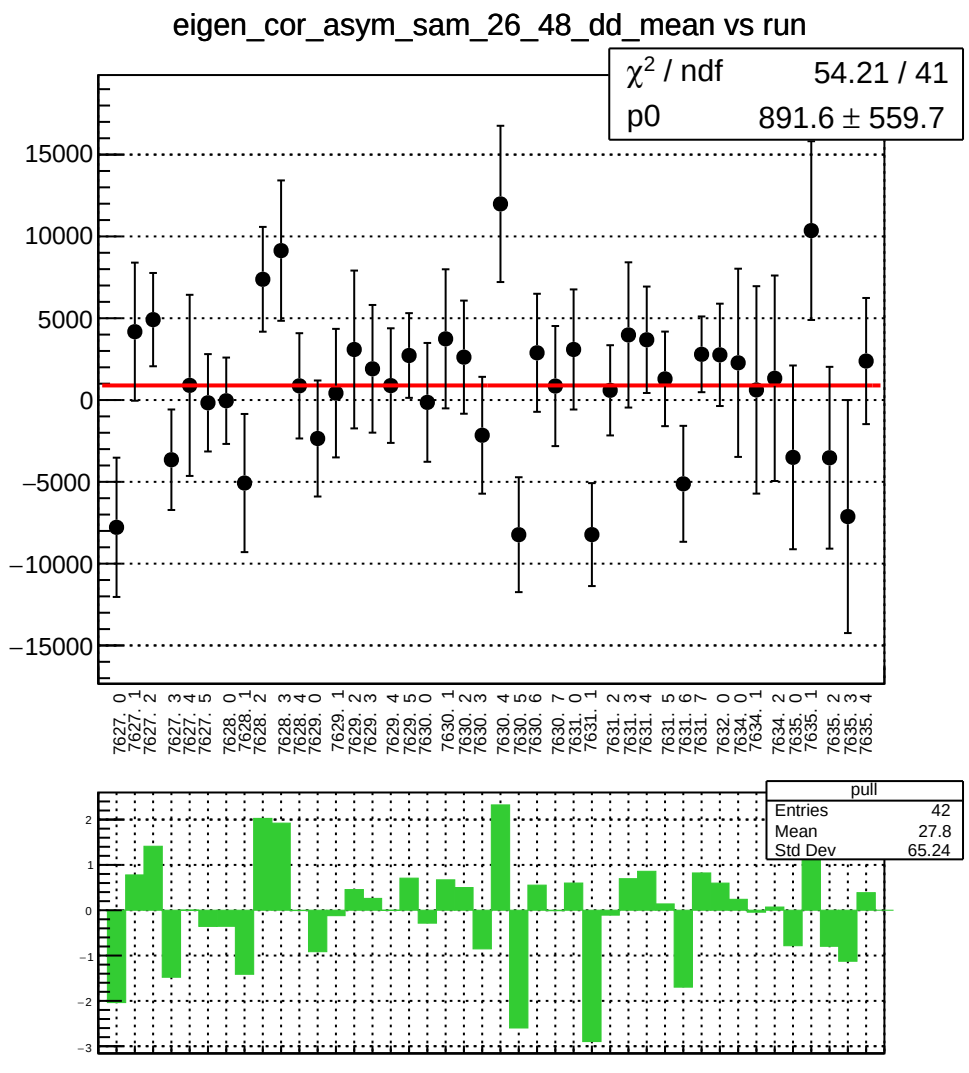

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 54.21 / 41
p0 891.6 ± 559.7
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 27.8
Std Dev 65.24
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.002974
Std Dev 1.136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

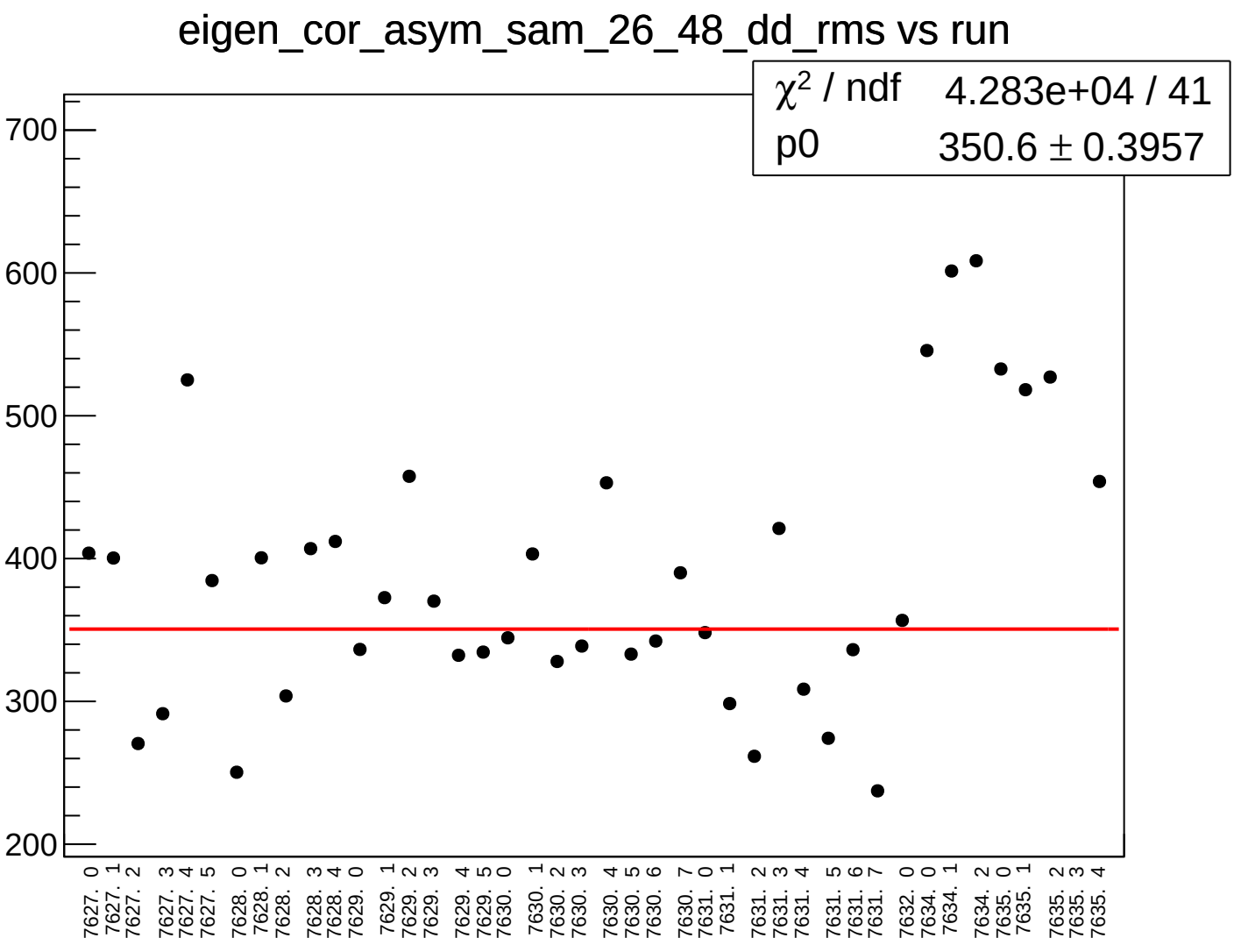

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 4.283e+04 / 41
p0 350.6 ± 0.3957
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

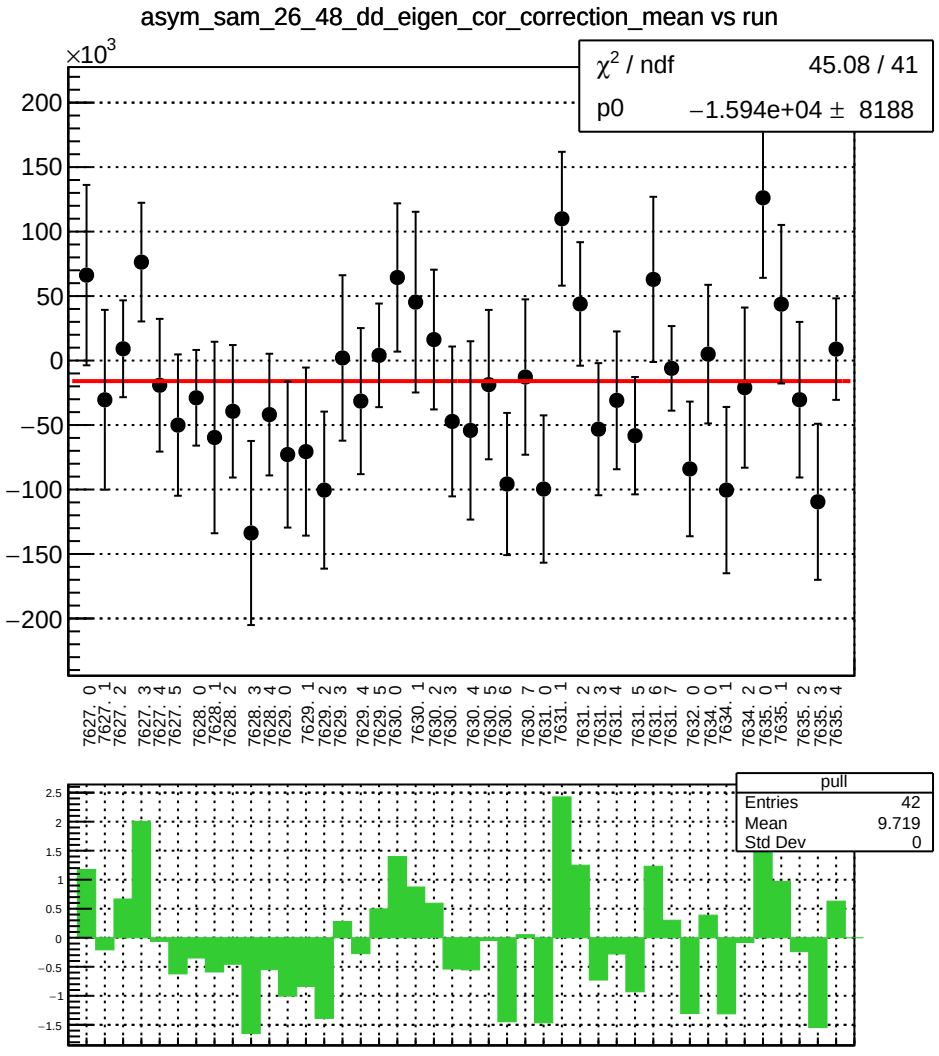

asym_sam_26_48_dd_cor_correction_mean vs run
×10^3
χ² / ndf 45.08 / 41
p0 −1.594e+04 ± 8188
200
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.719
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

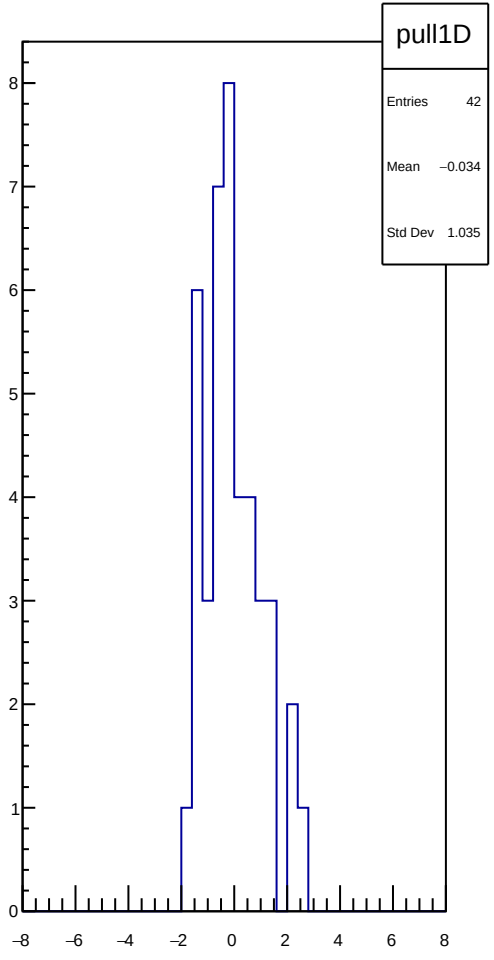

pull1D
Entries 42
Mean −0.034
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

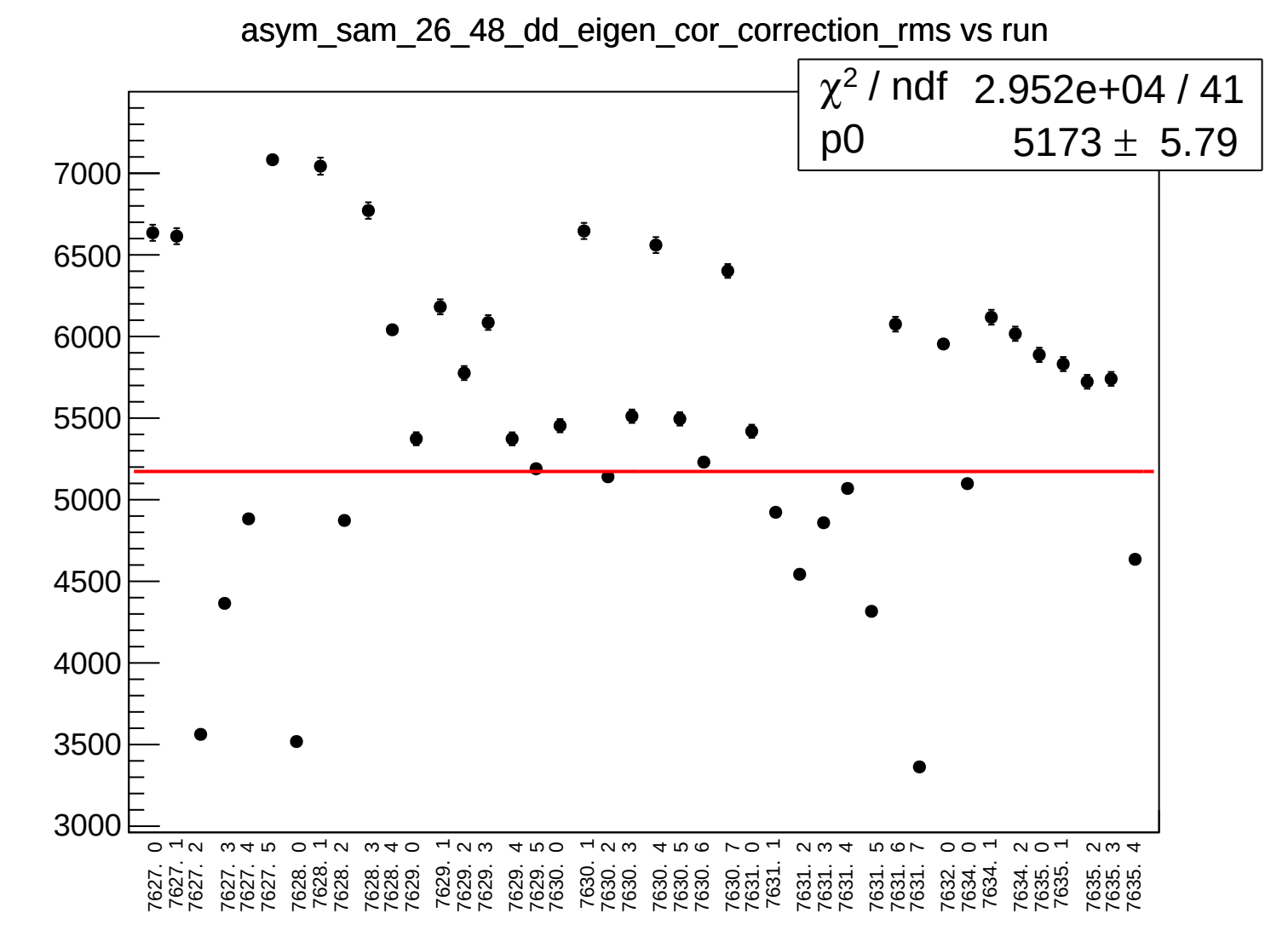

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 2.952e+04 / 41
p0 5173 ± 5.79
7000
6500
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

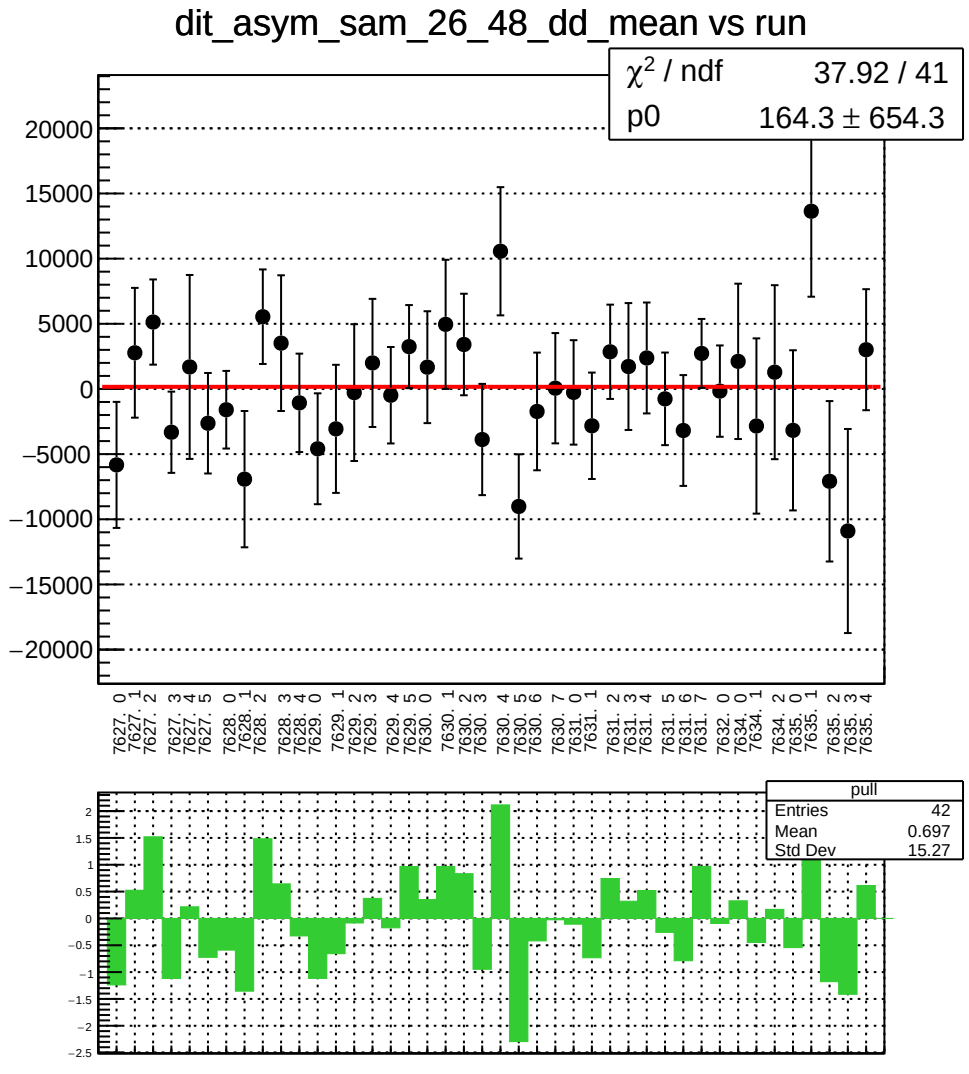

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 54.21 / 41
p0 891.6 ± 559.7
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 27.8
Std Dev 65.24
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.002974
Std Dev 1.136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

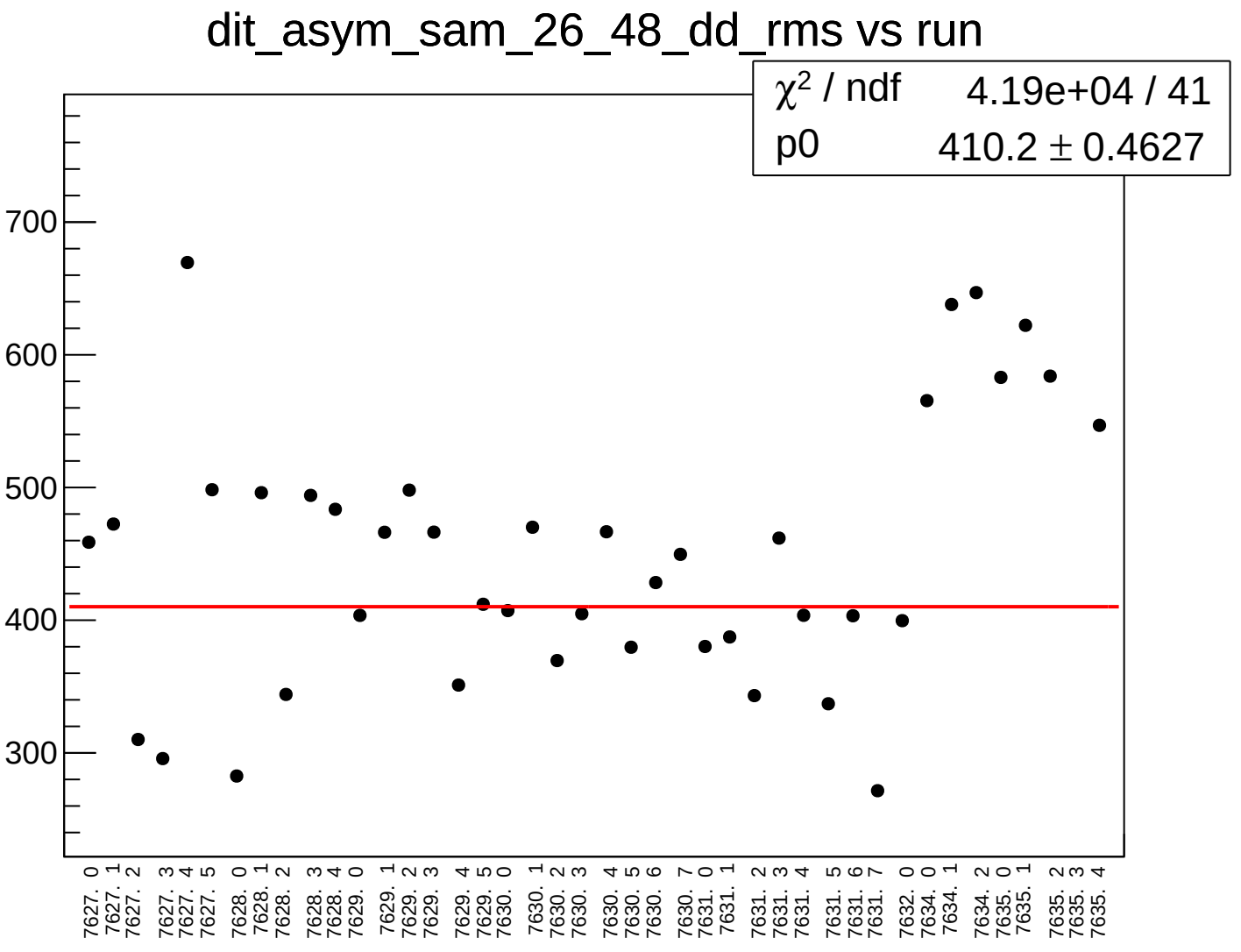

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 4.283e+04 / 41
p0 350.6 ± 0.3957
700
600
500
400
300
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

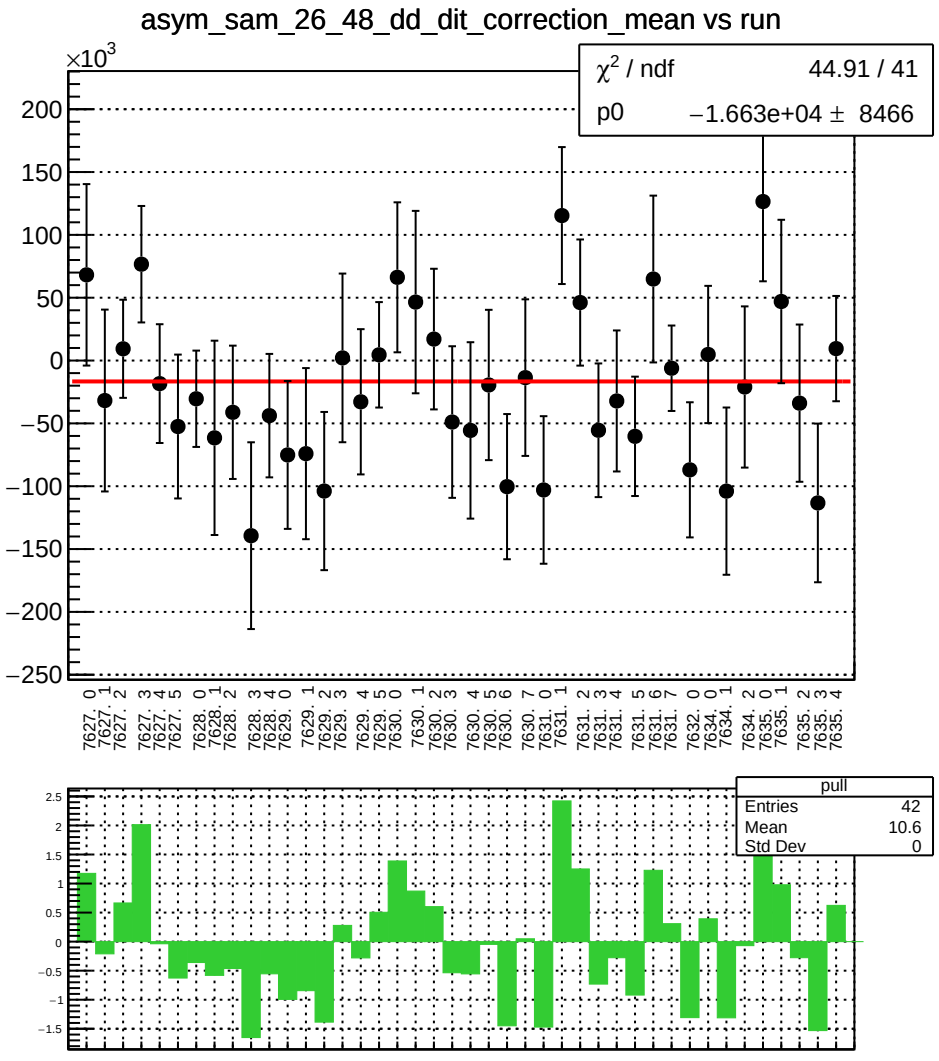

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 45.08 / 41
p0 −1.594e+04 ± 8188
200
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 9.719
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

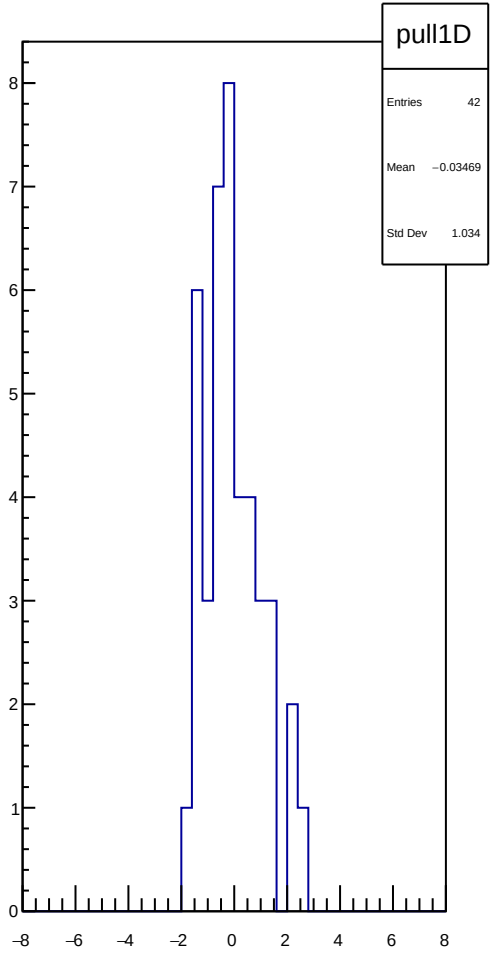

pull1D
Entries 42
Mean −0.034
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

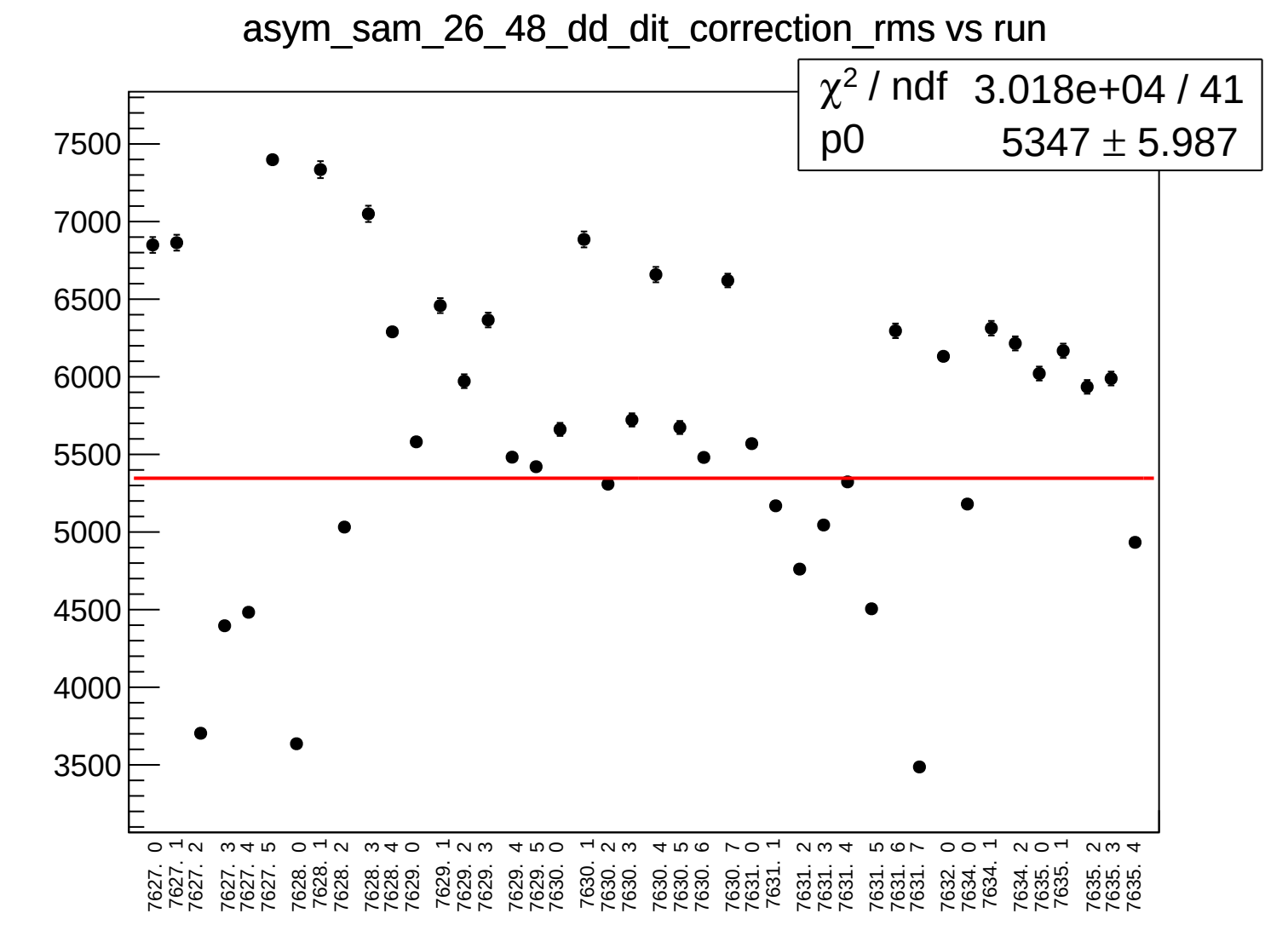

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.952e+04 / 41
p0 5173 ± 5.79
7000
6500
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

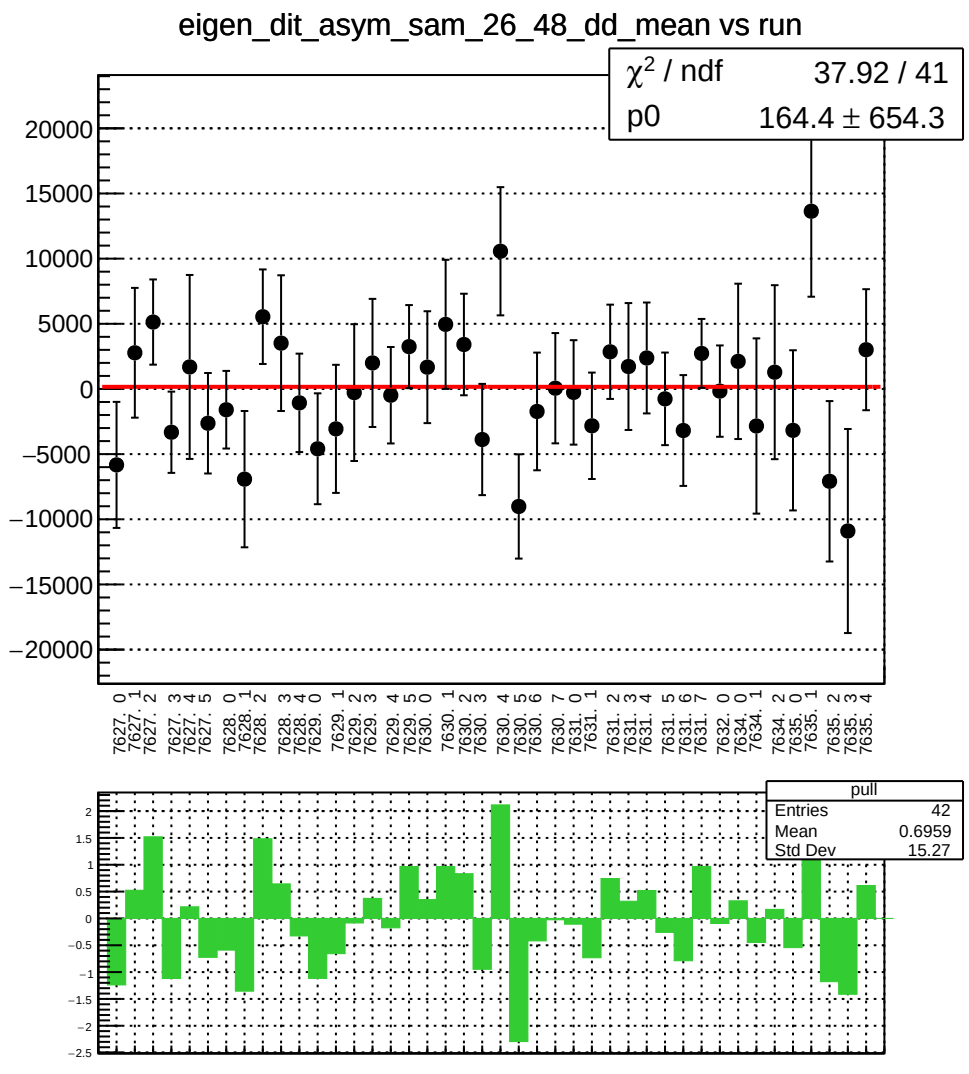

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 37.92 / 41
p0 164.3 ± 654.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.697
Std Dev 15.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.02204
Std Dev 0.95
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

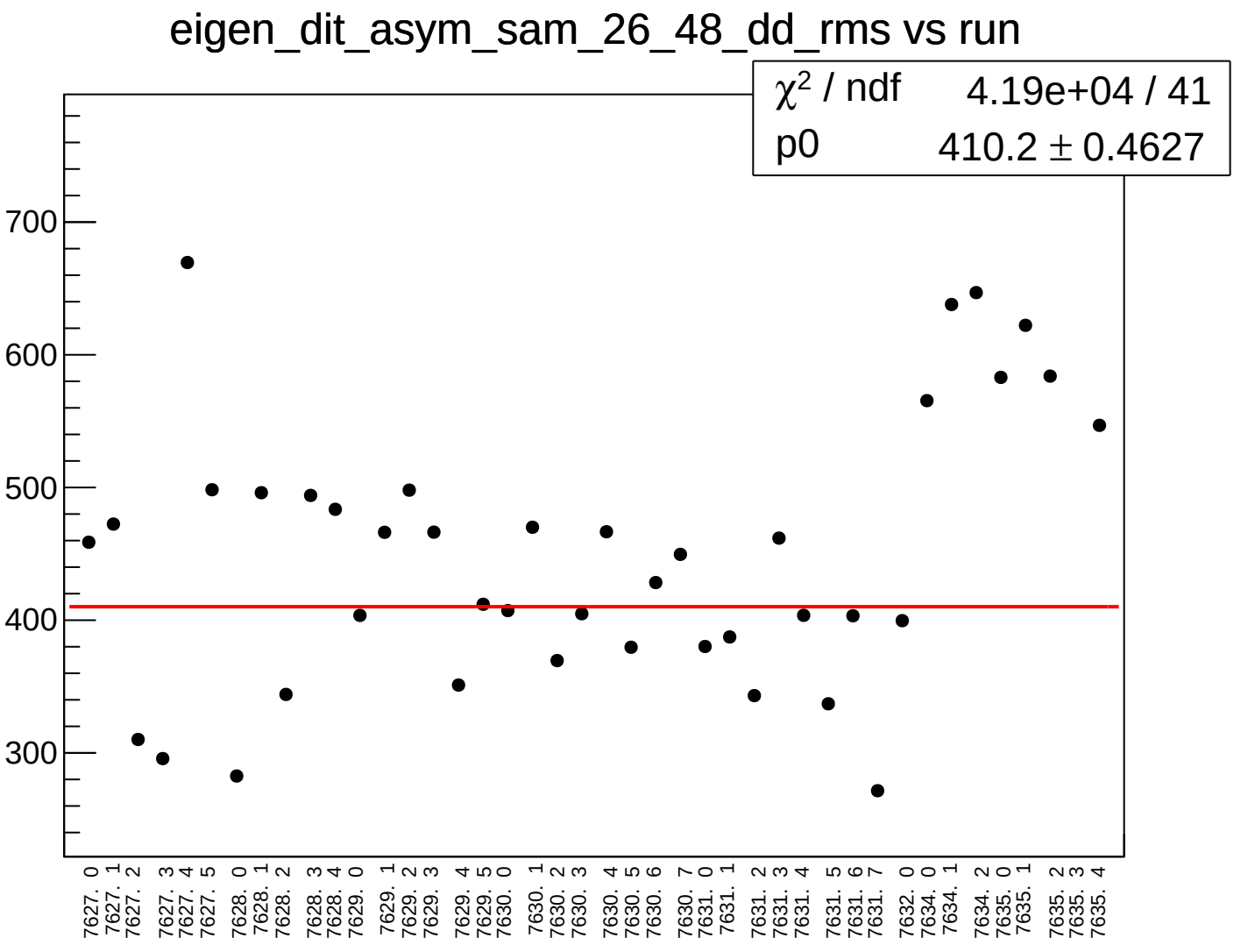

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 4.19e+04 / 41
p0 410.2 ± 0.4627
700
600
500
400
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

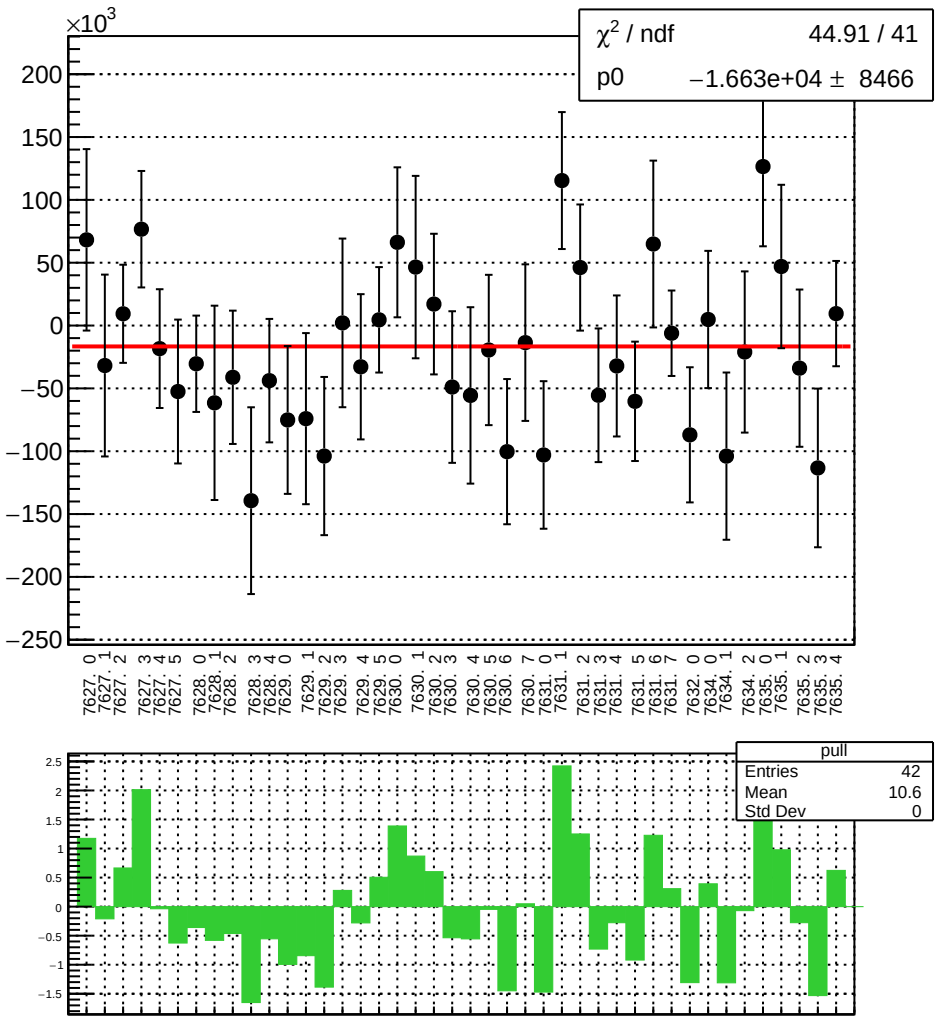

asym_sam_26_48_dd_dit_correction_mean vs run
×10^3
χ² / ndf 44.91 / 41
p0 −1.663e+04 ± 8466
pull
Entries 42
Mean 10.6
Std Dev 0

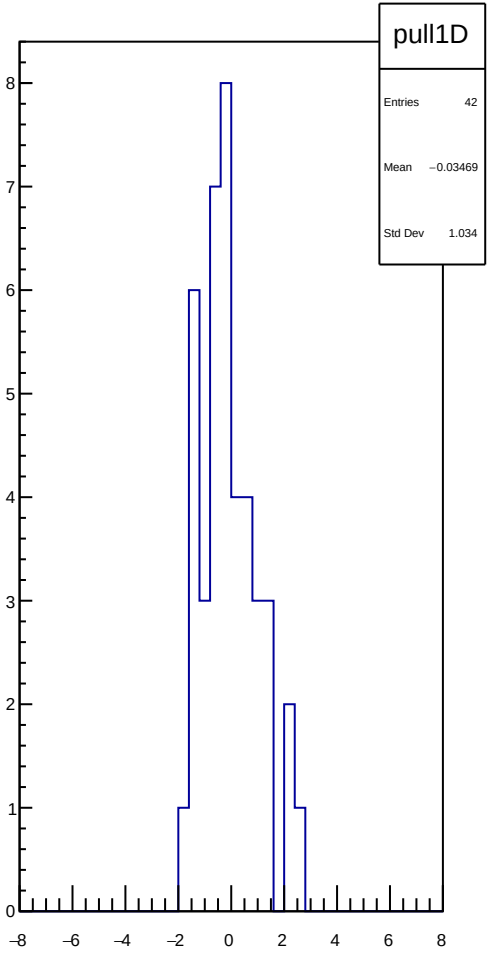

pull1D
Entries 42
Mean −0.03469
Std Dev 1.034

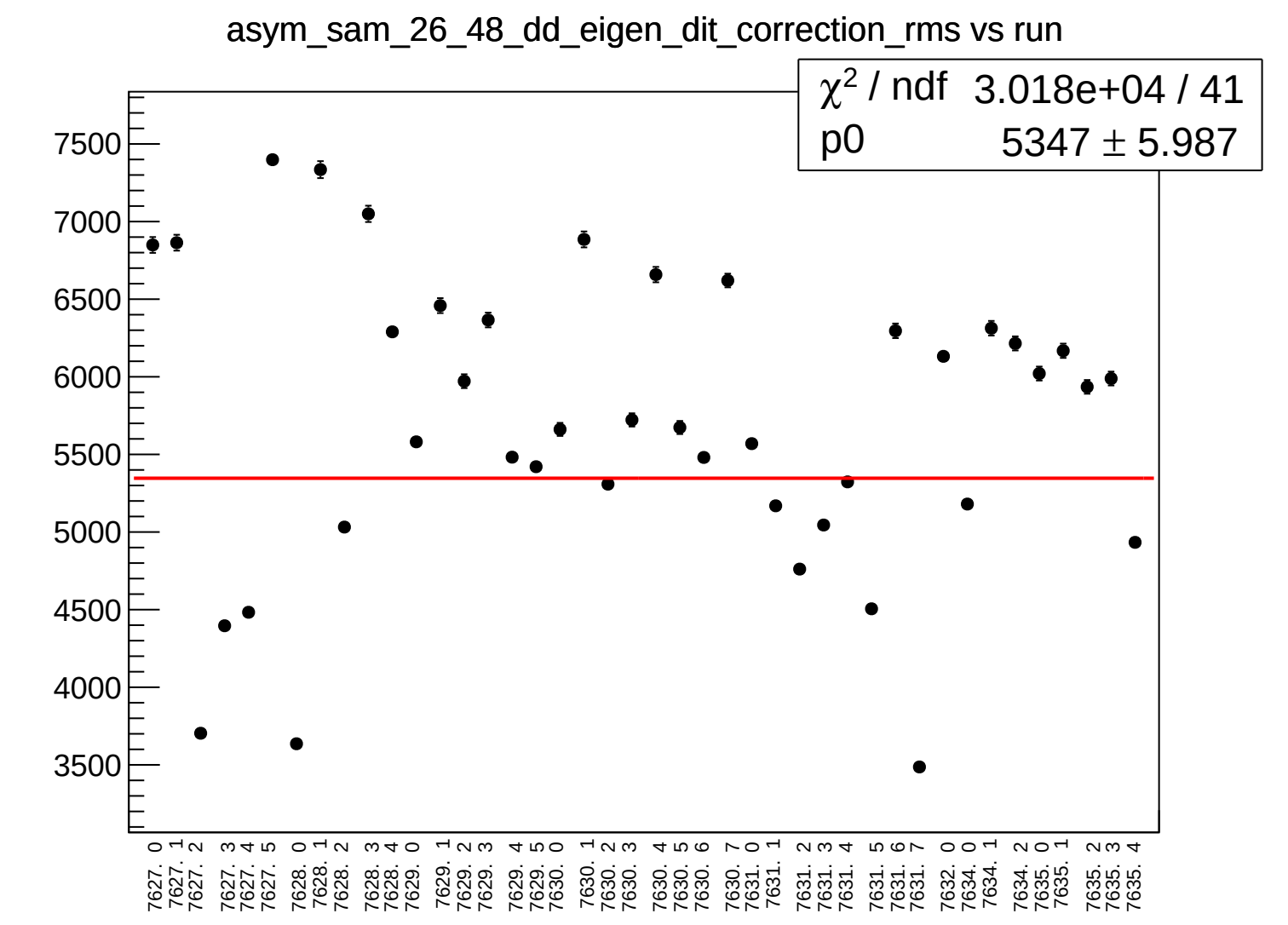

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 3.018e+04 / 41
p0 5347 ± 5.987
7500
7000
6500
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

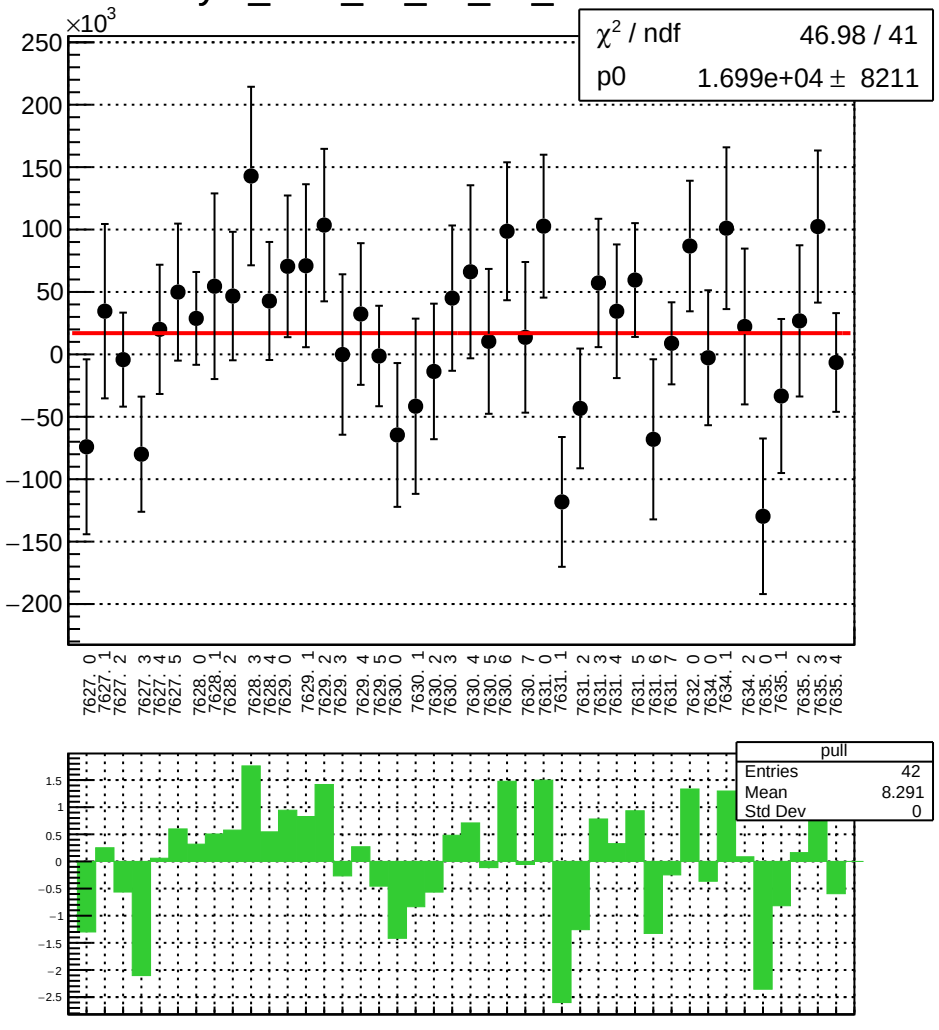

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 37.92 / 41
p0 164.4 ± 654.3
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0.6959
Std Dev 15.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.02204
Std Dev 0.95
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

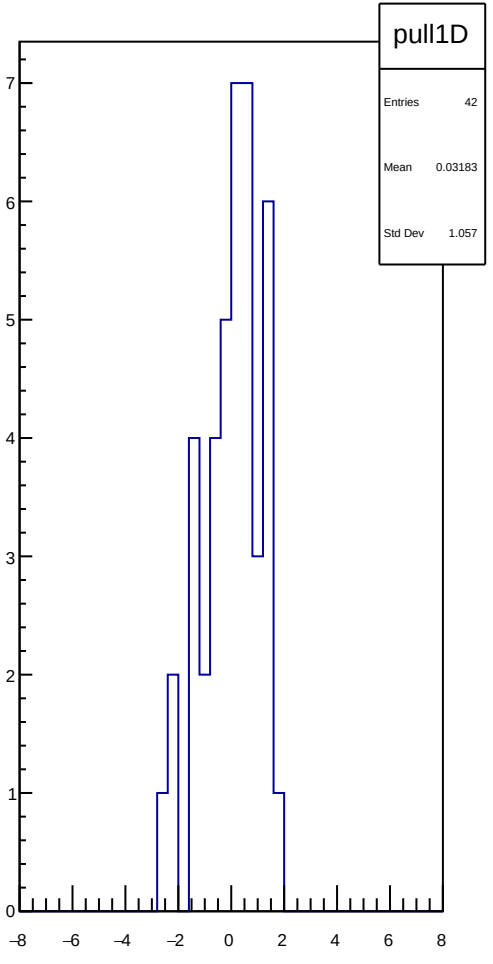

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 4.19e+04 / 41
p0 410.2 ± 0.4627
700
600
500
400
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

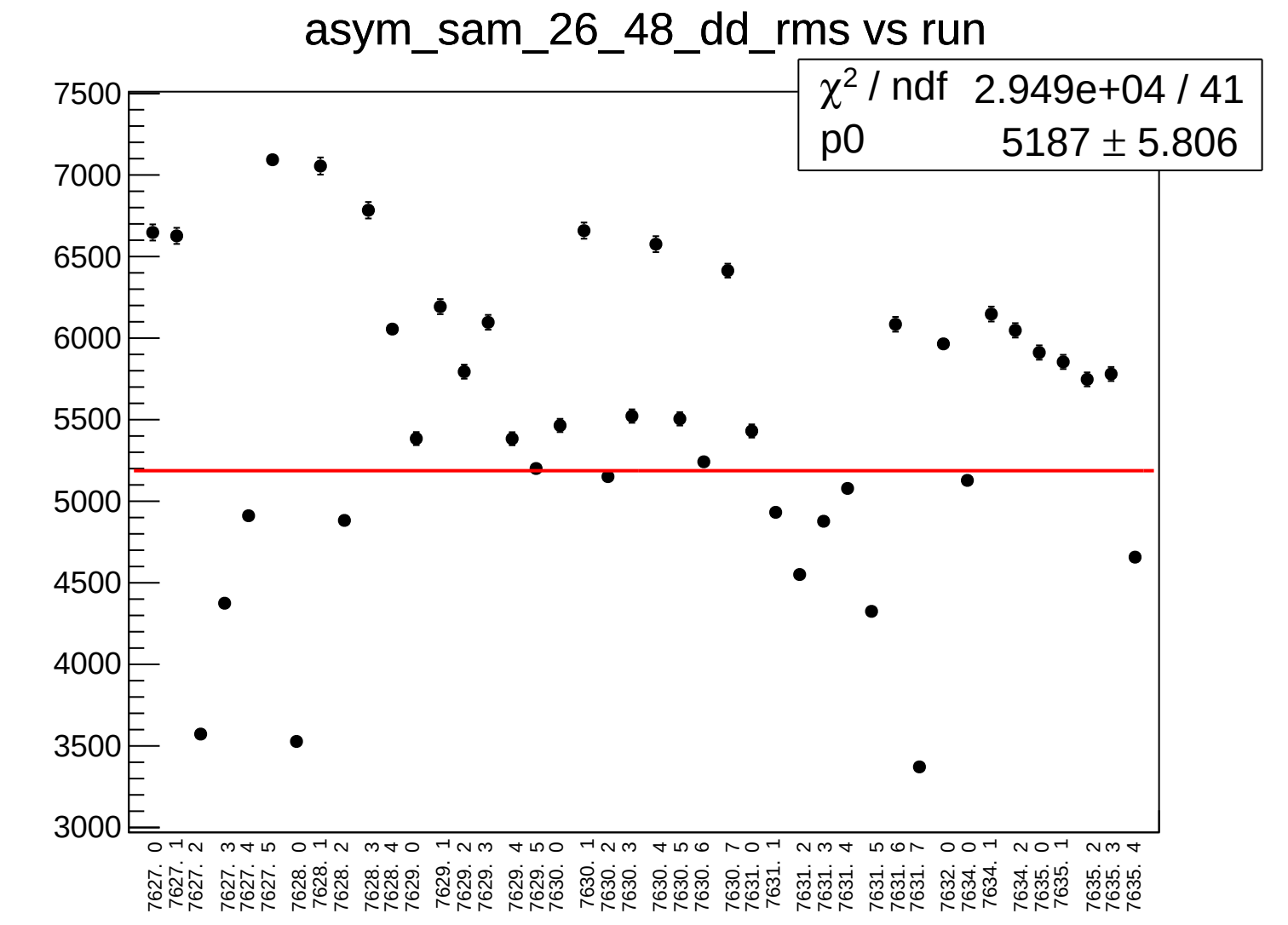

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 44.91 / 41
p0 −1.663e+04 ± 8466
pull
Entries 42
Mean 10.6
Std Dev 0

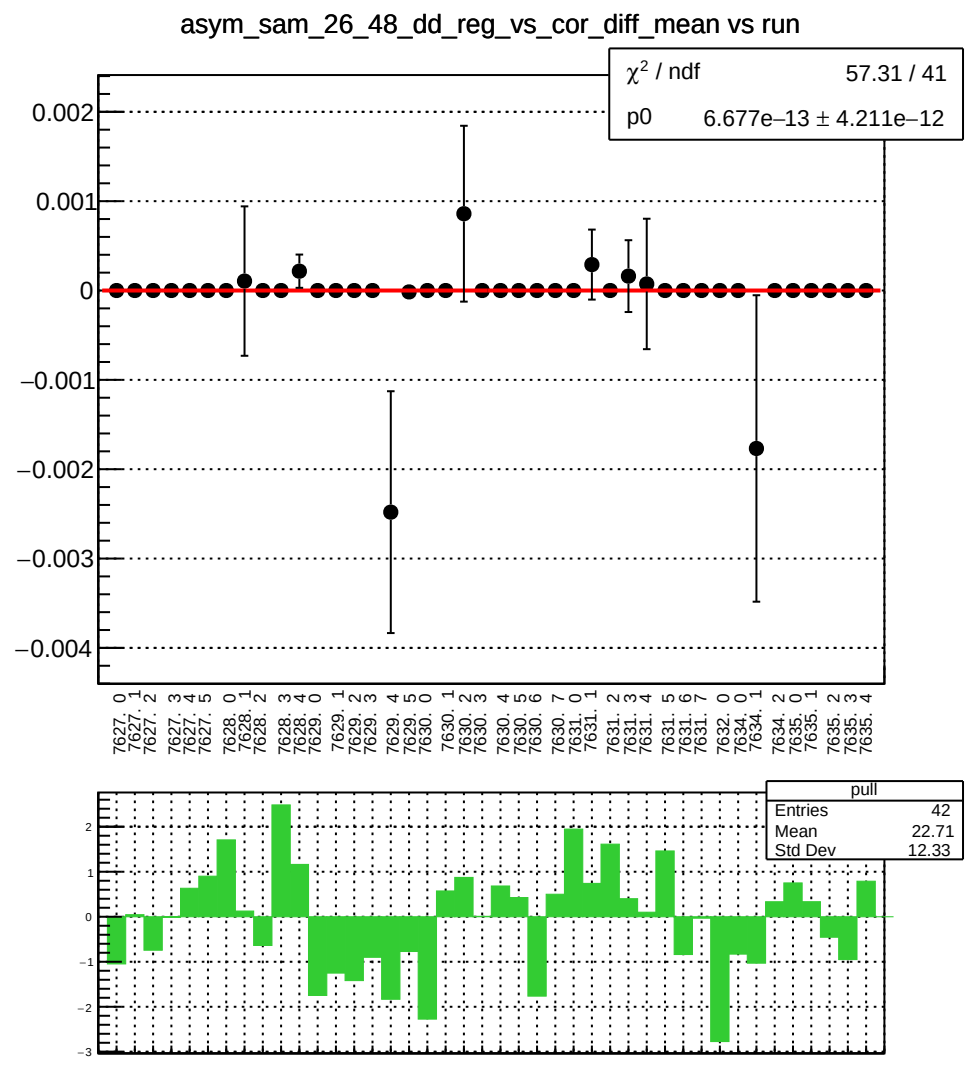

pull1D
Entries 42
Mean −0.03469
Std Dev 1.034

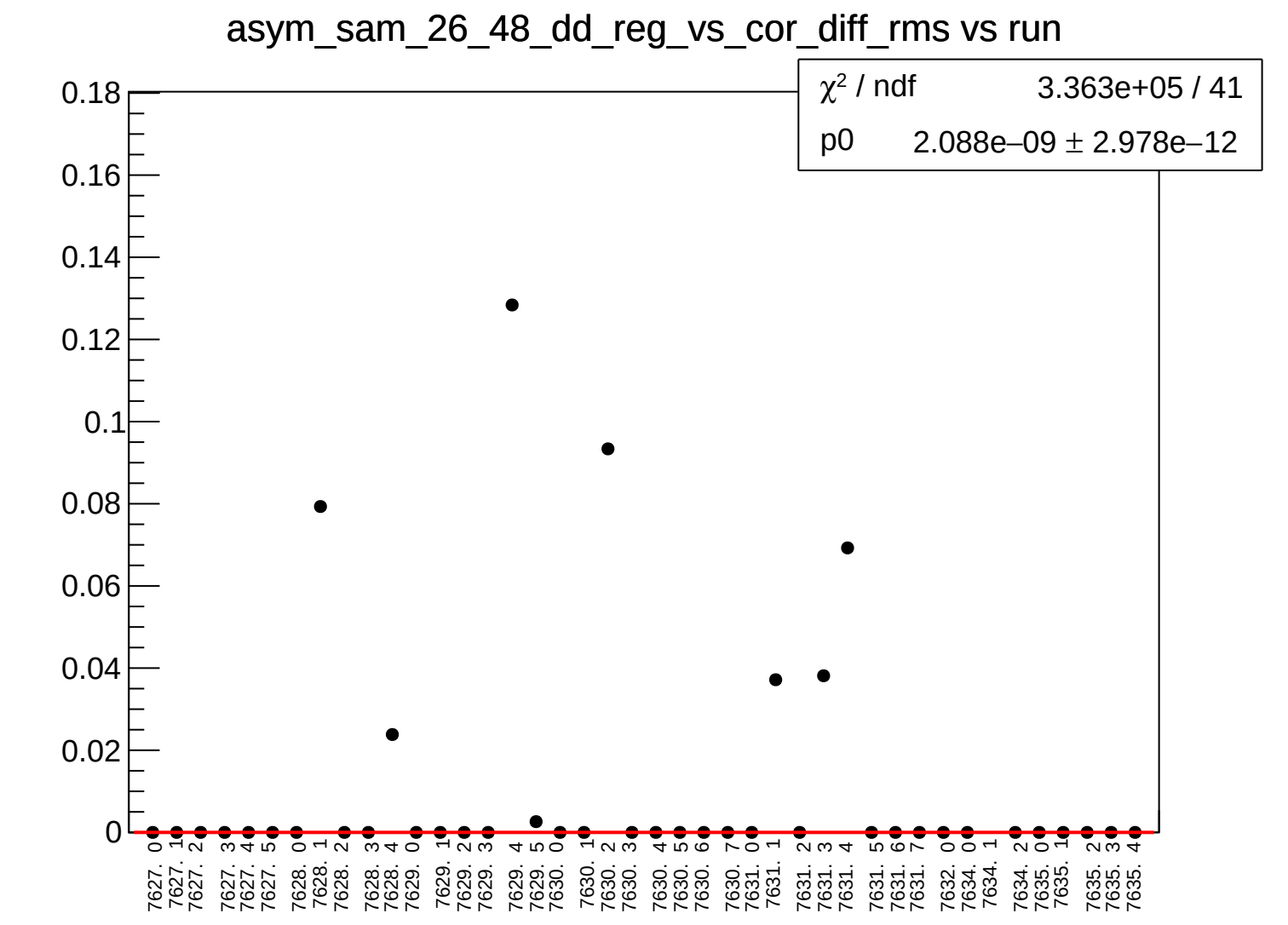

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.018e+04 / 41
p0 5347 ± 5.987
7500
7000
6500
6000
5500
5000
4500
4000
3500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

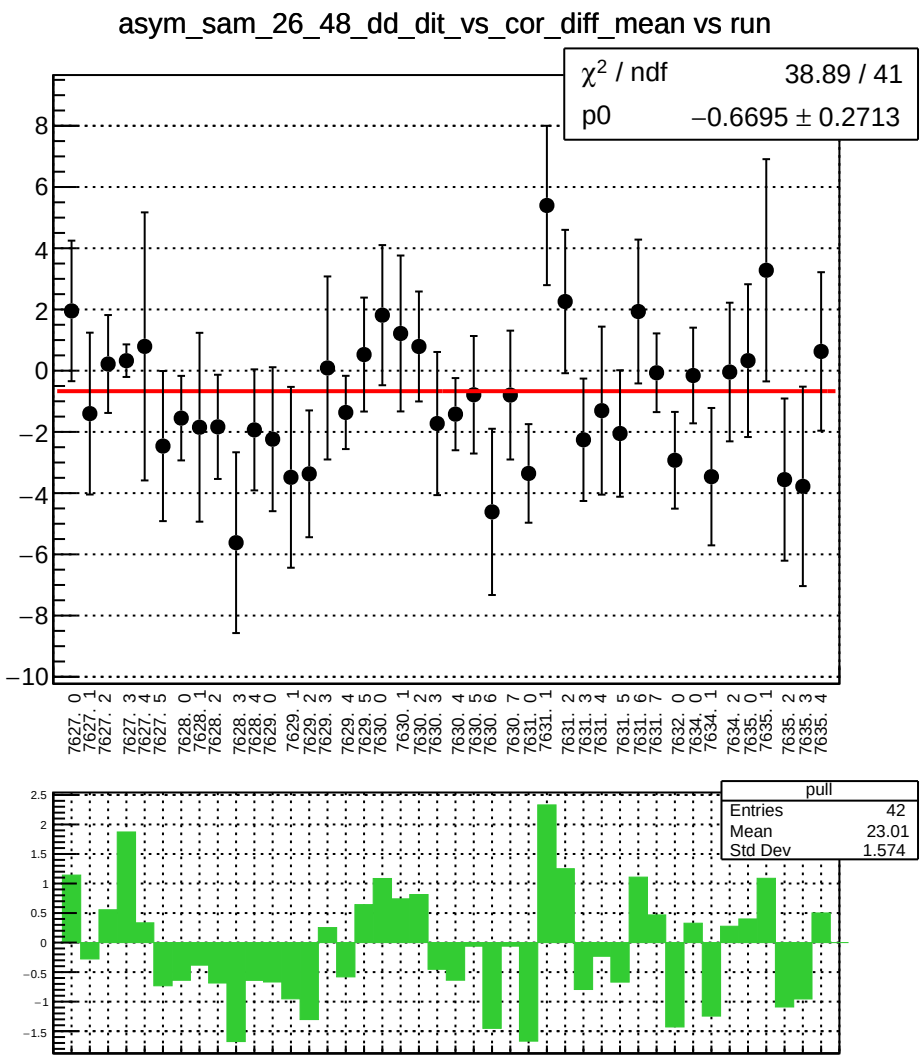

asym_sam_26_48_dd_mean vs run
×10^3
χ² / ndf 46.98 / 41
p0 1.699e+04 ± 8211
pull
Entries 42
Mean 8.291
Std Dev 0

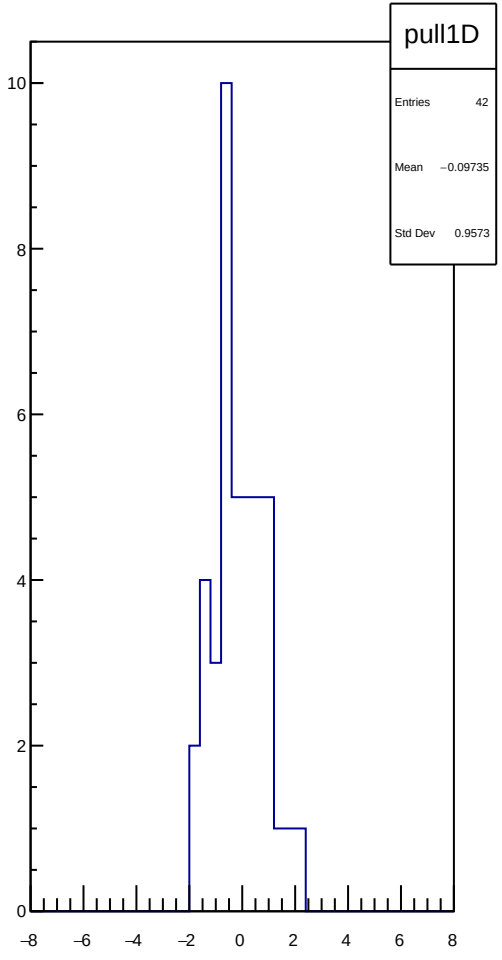

pull1D
Entries 42
Mean 0.03183
Std Dev 1.057

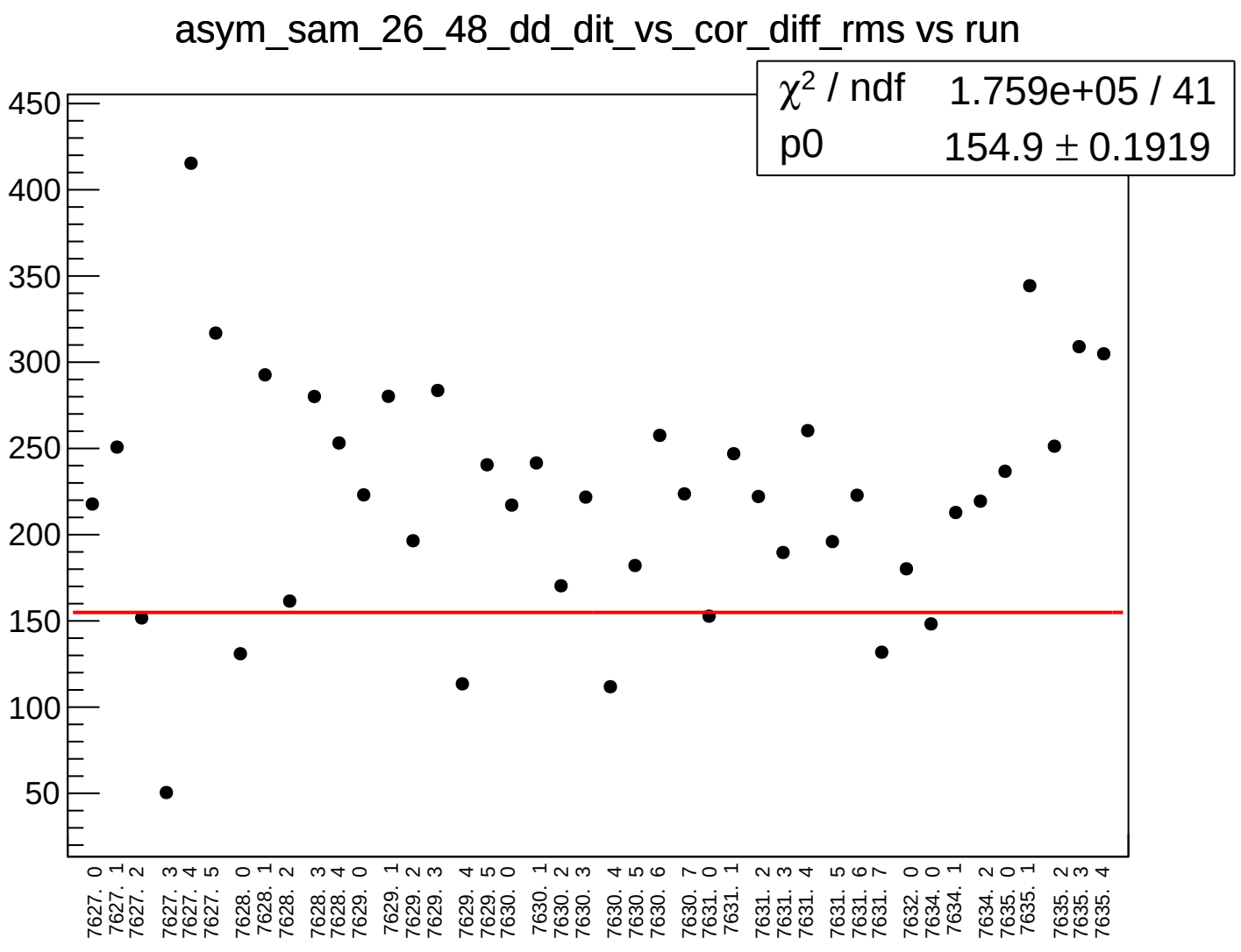

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.949e+04 / 41
p0 5187 ± 5.806
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.31 / 41
p0 6.677e−13 ± 4.211e−12
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.71
Std Dev 12.33
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.06457
Std Dev 1.166
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

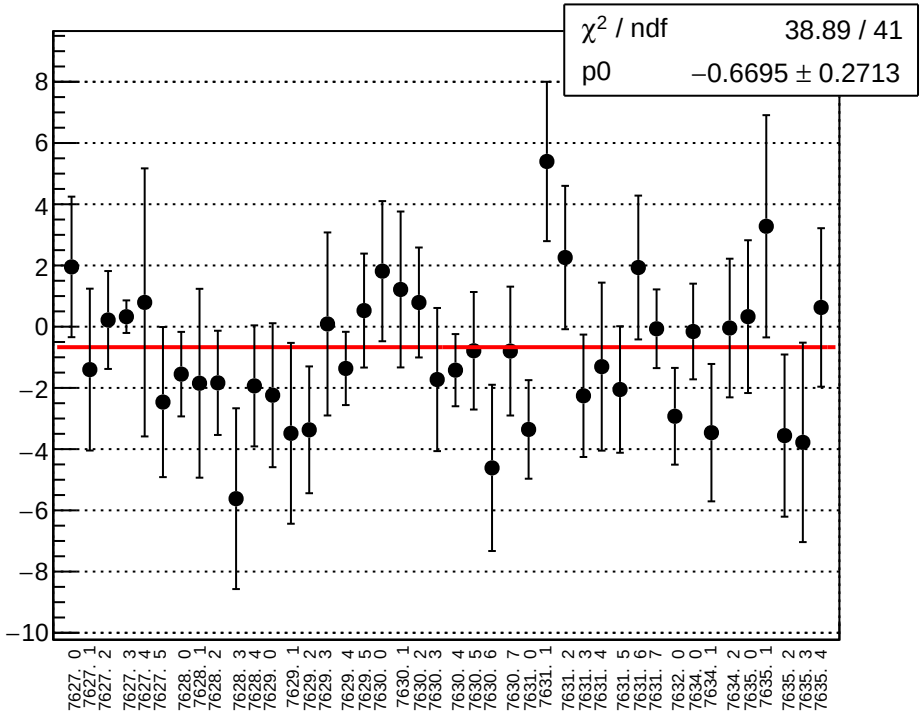

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.363e+05 / 41
p0 2.088e−09 ± 2.978e−12
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

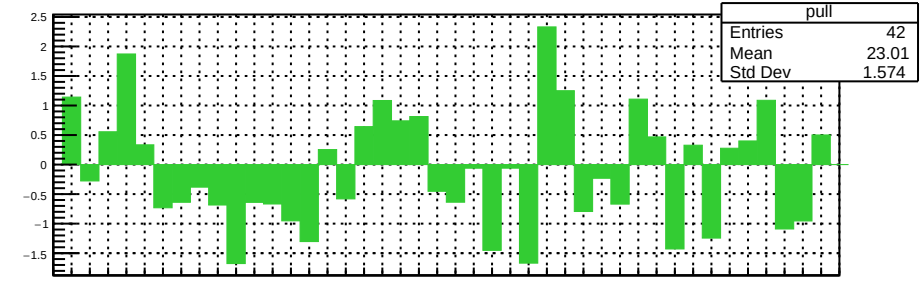

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.89 / 41
p0 −0.6695 ± 0.2713
pull
Entries 42
Mean 23.01
Std Dev 1.574

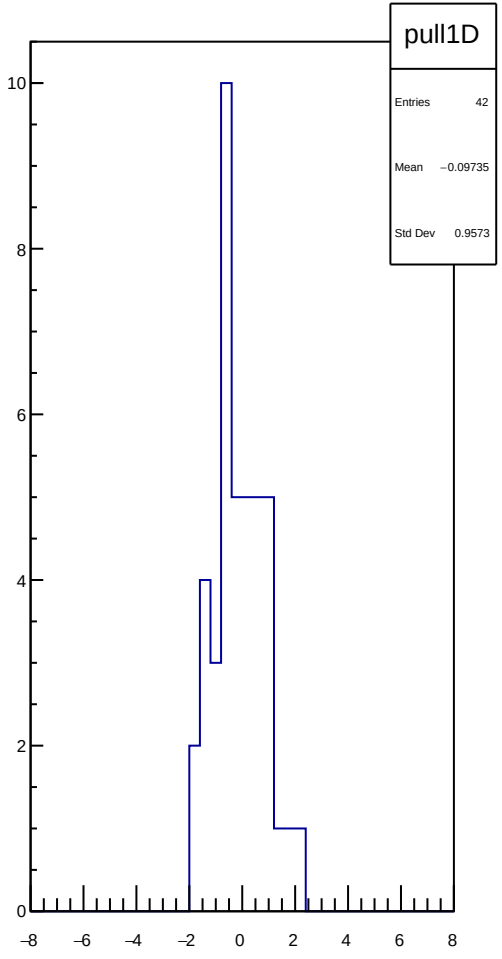

pull1D
Entries 42
Mean −0.09735
Std Dev 0.9573

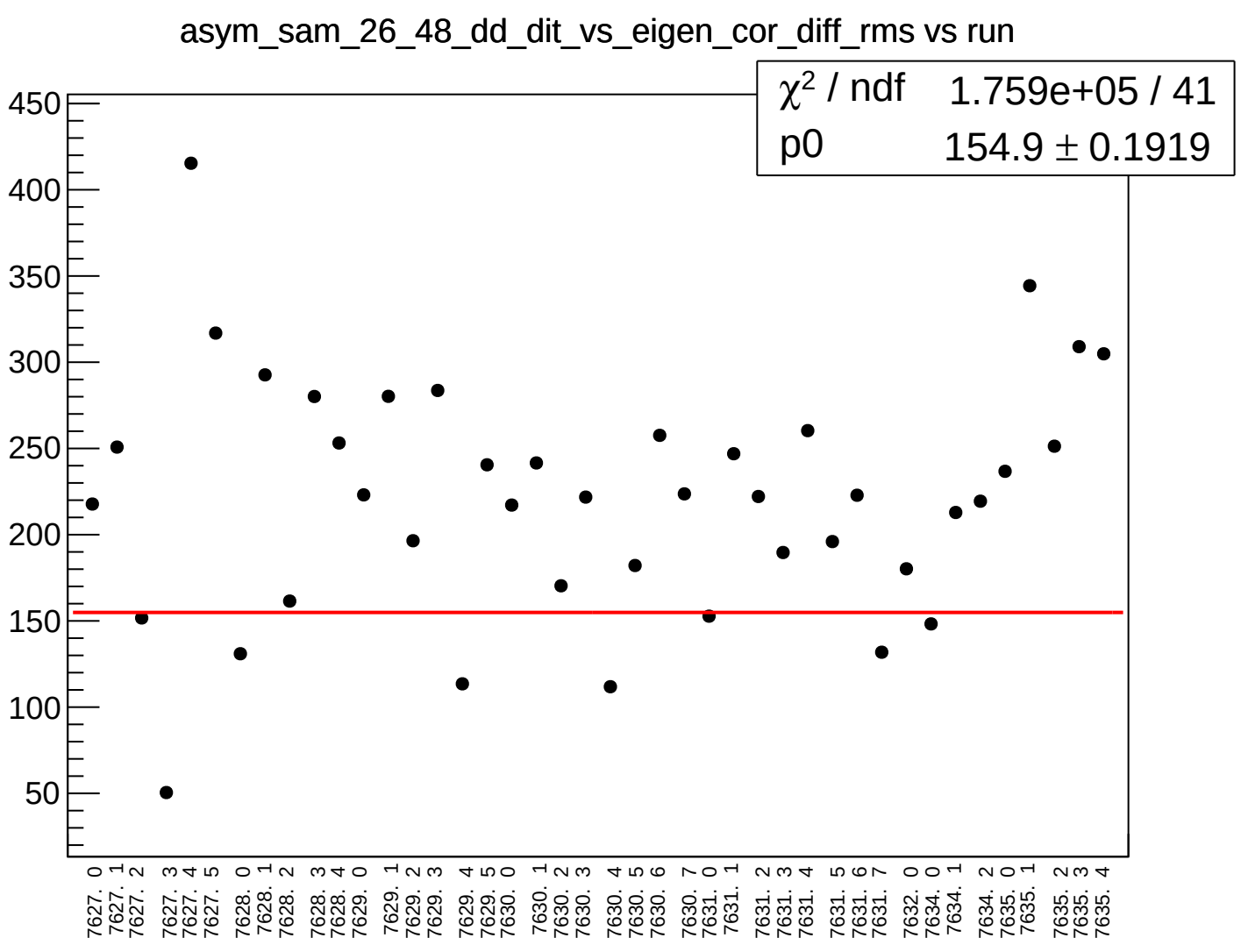

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.759e+05 / 41
p0 154.9 ± 0.1919
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

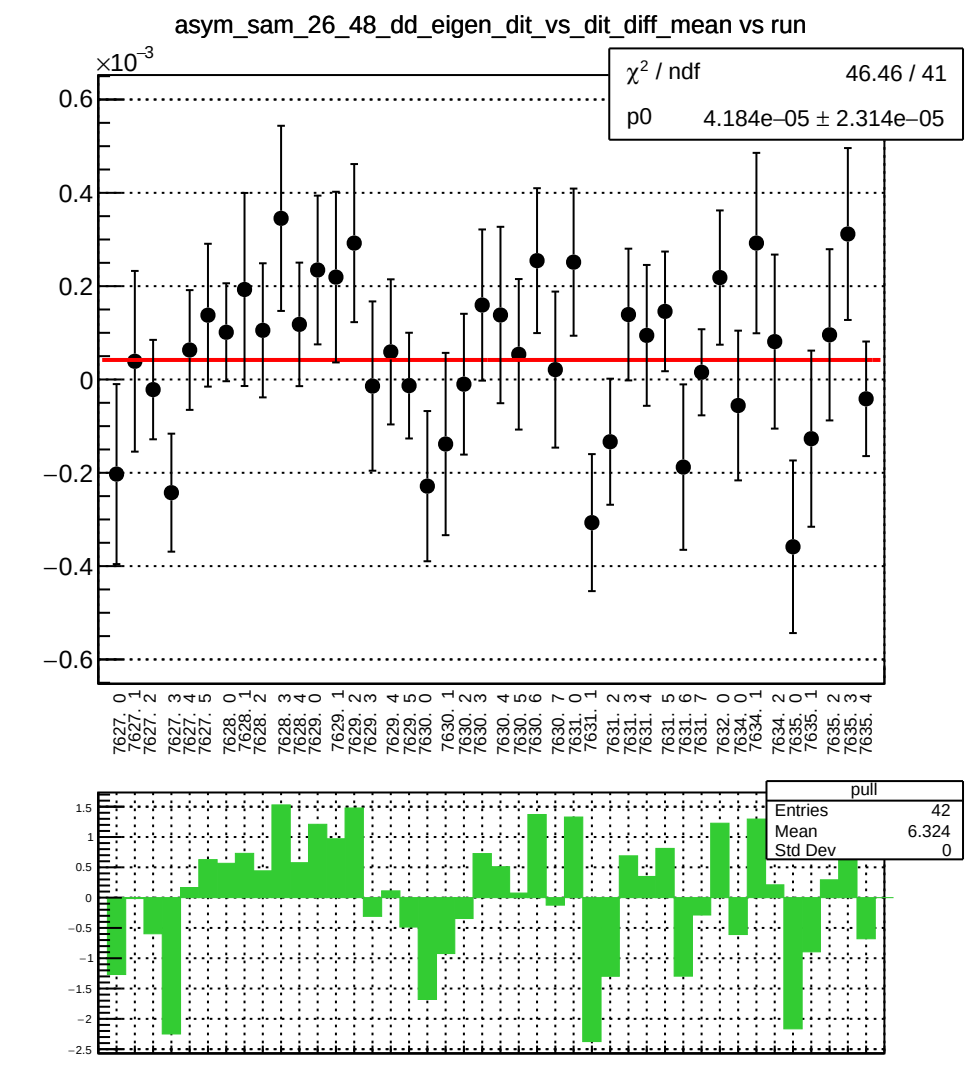
asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run

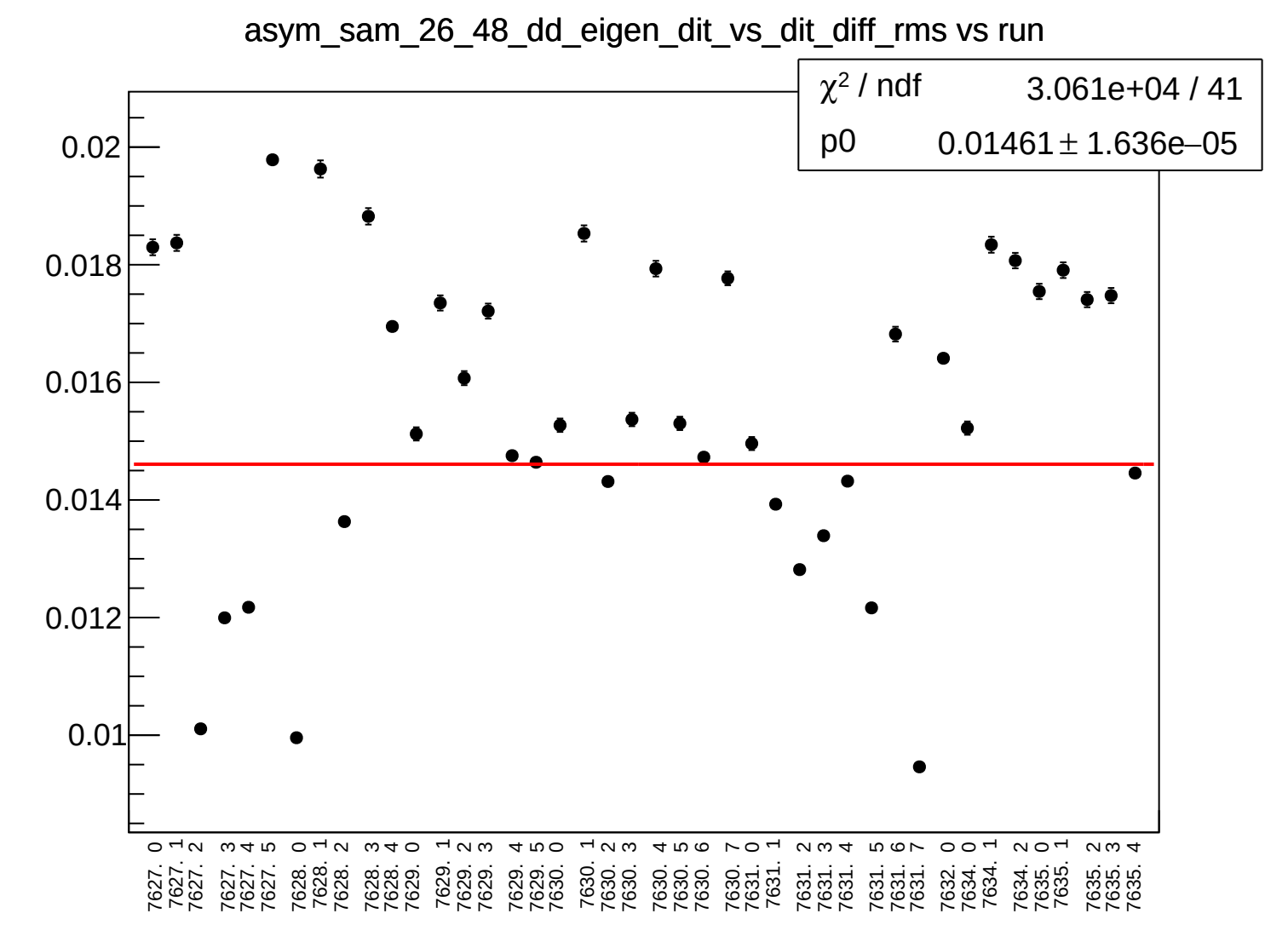


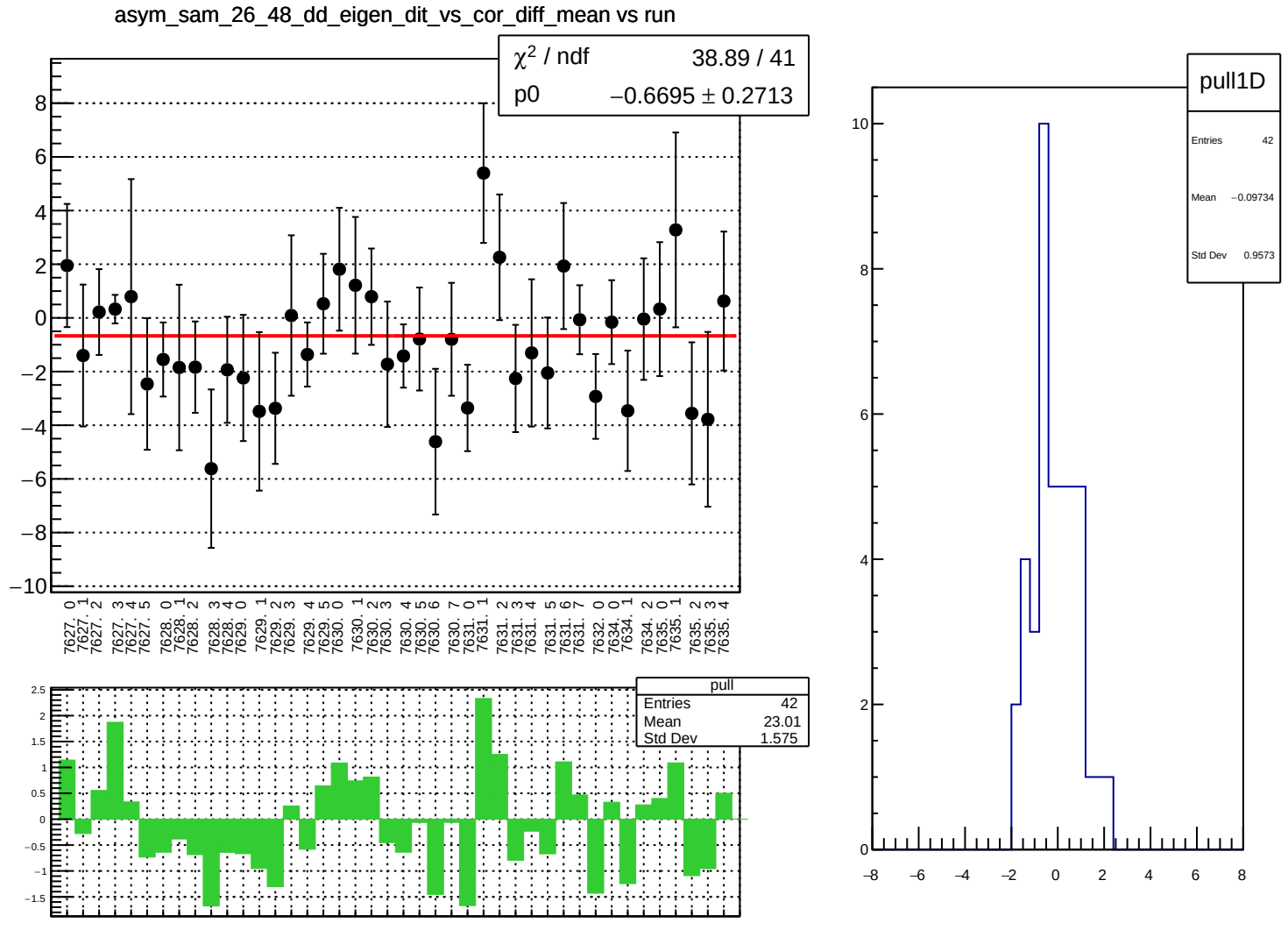


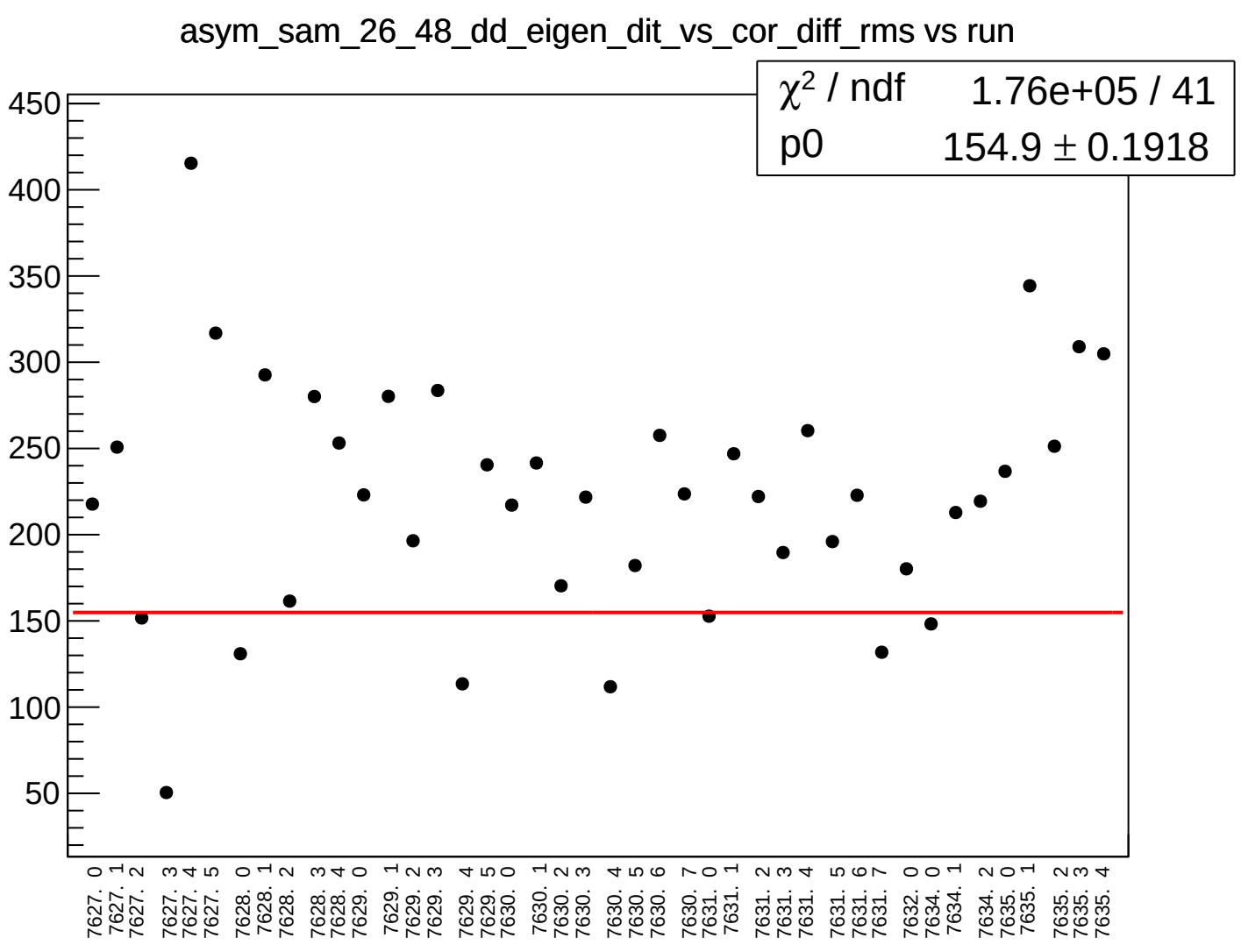



asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.759e+05 / 41
p0 154.9 ± 0.1919
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

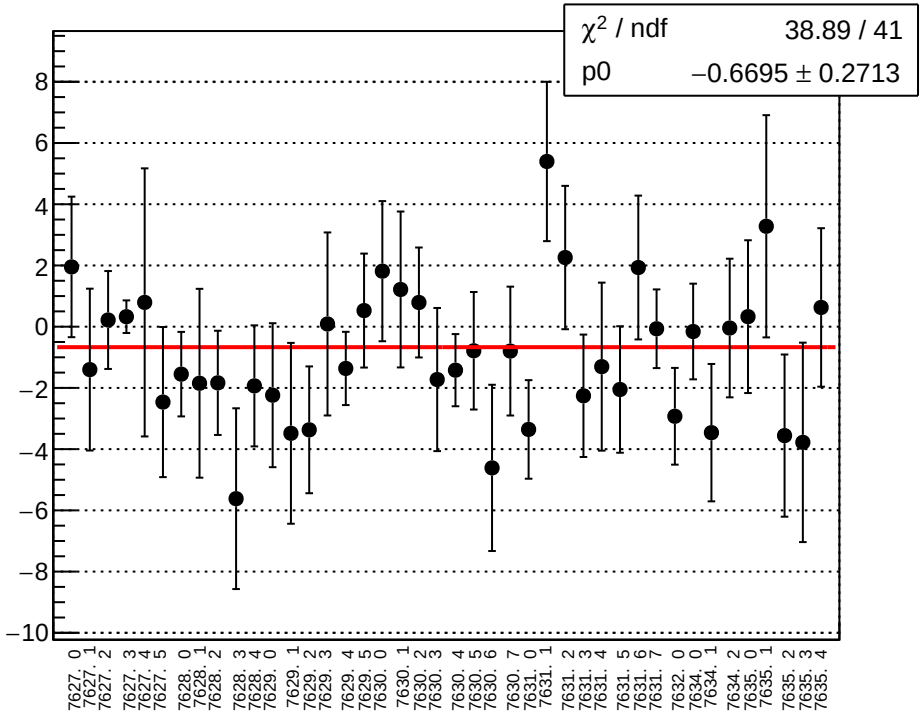

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.46 / 41
p0 4.184e−05 ± 2.314e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 6.324
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.02788
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

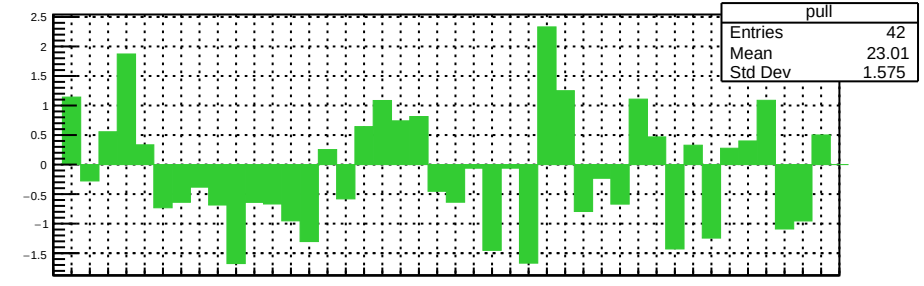

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.061e+04 / 41
p0 0.01461 ± 1.636e–05
0.02
0.018
0.016
0.014
0.012
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

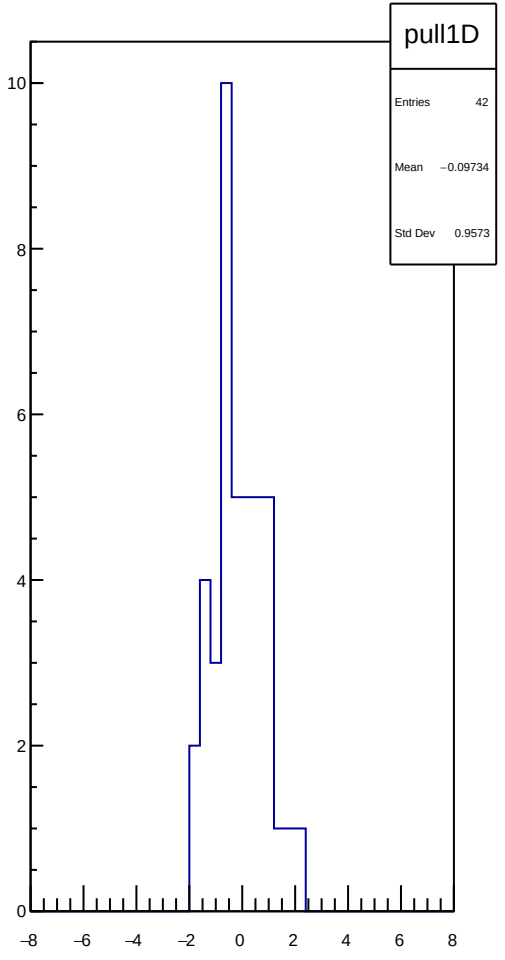

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.89 / 41
p0 −0.6695 ± 0.2713
pull
Entries 42
Mean 23.01
Std Dev 1.575
pull1D
Entries 42
Mean −0.09734
Std Dev 0.9573

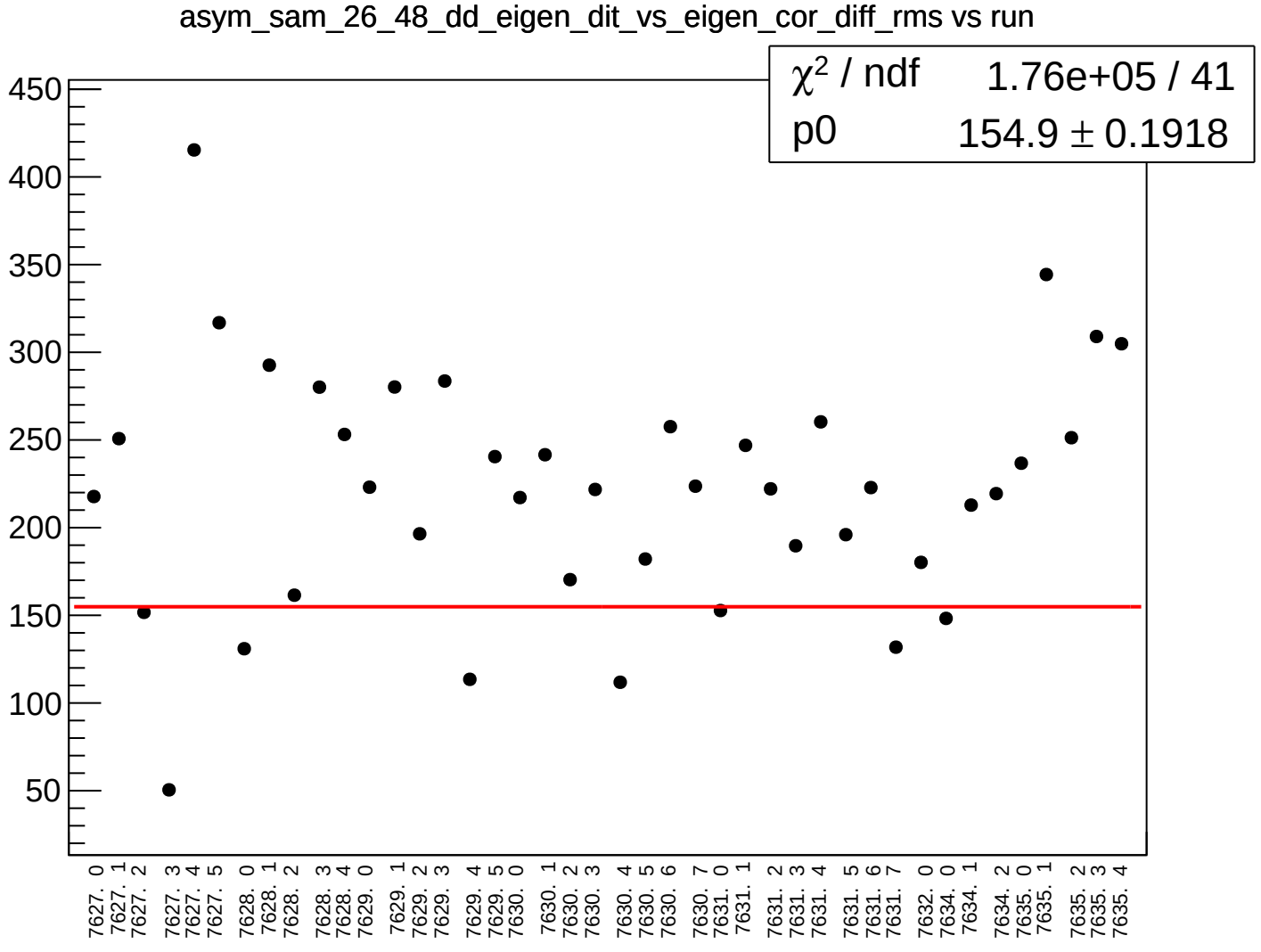

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.76e+05 / 41
p0 154.9 ± 0.1918
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

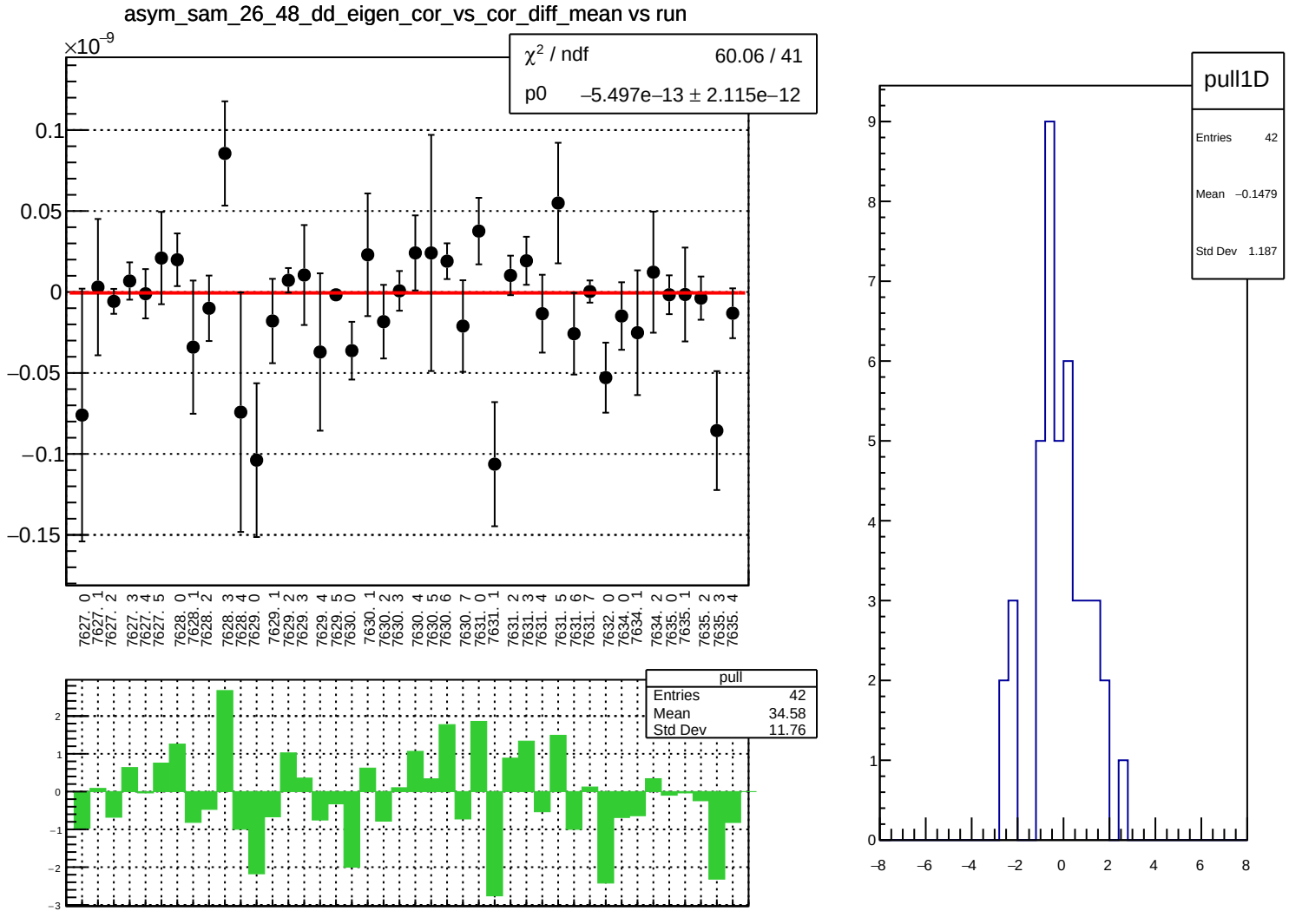
asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

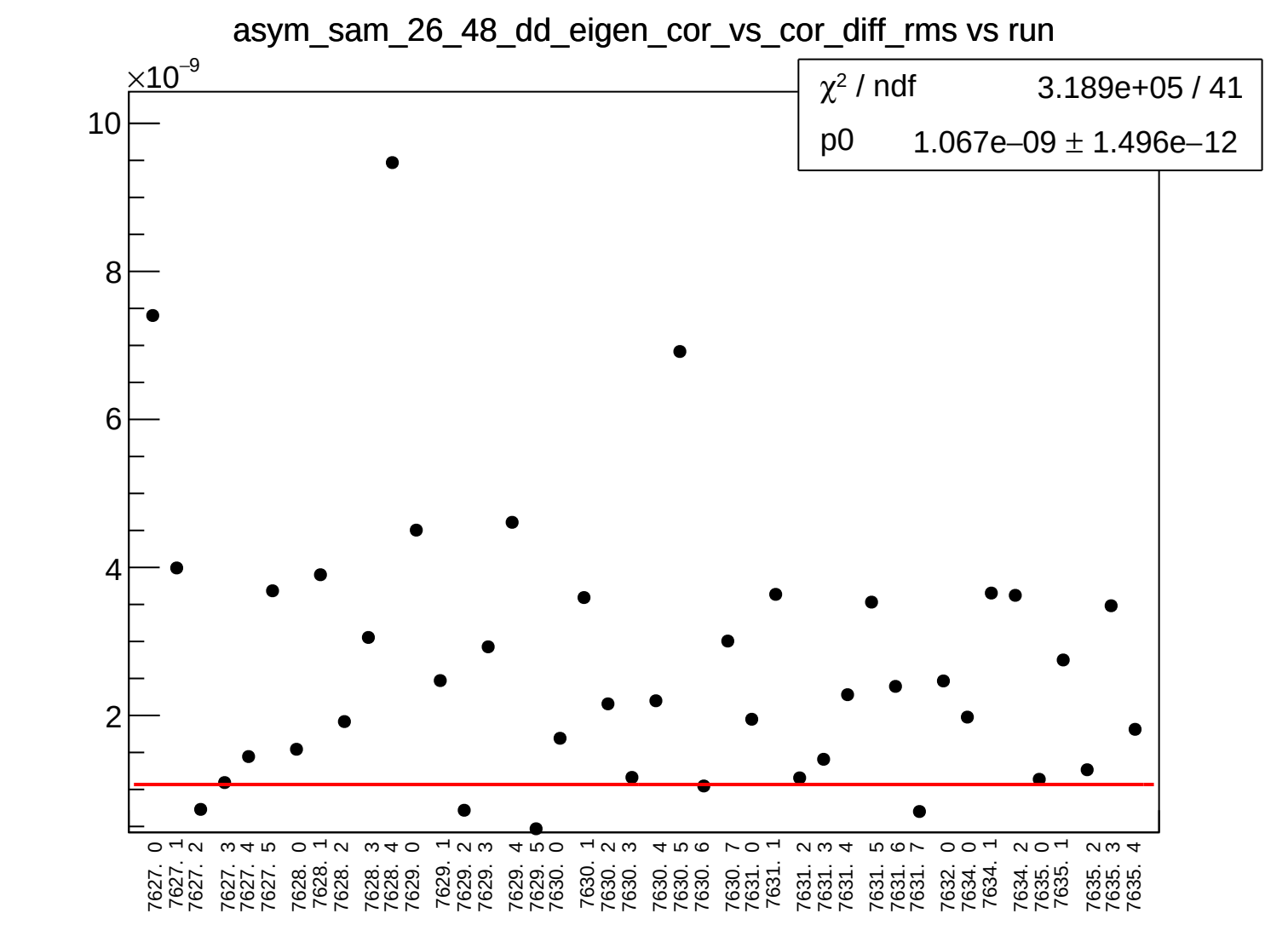


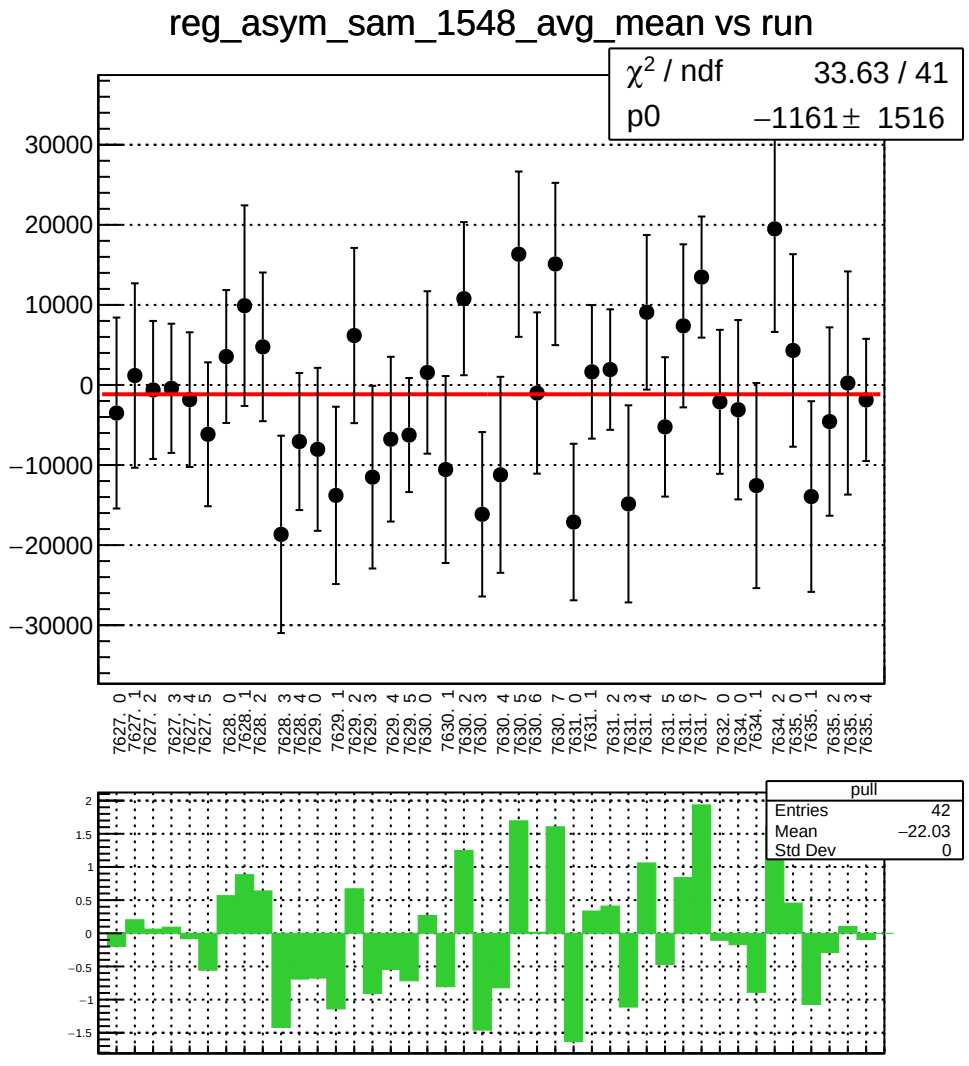


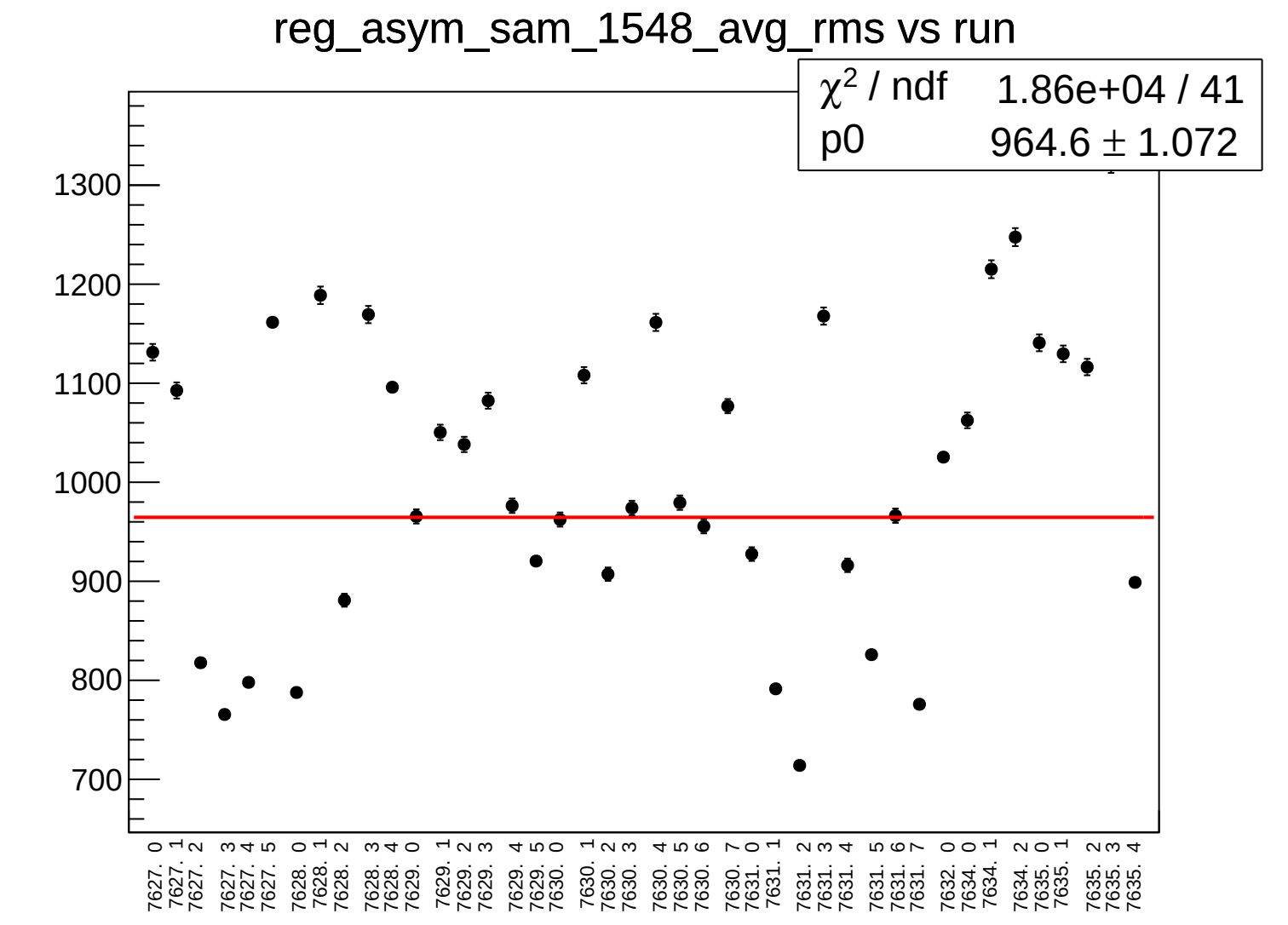


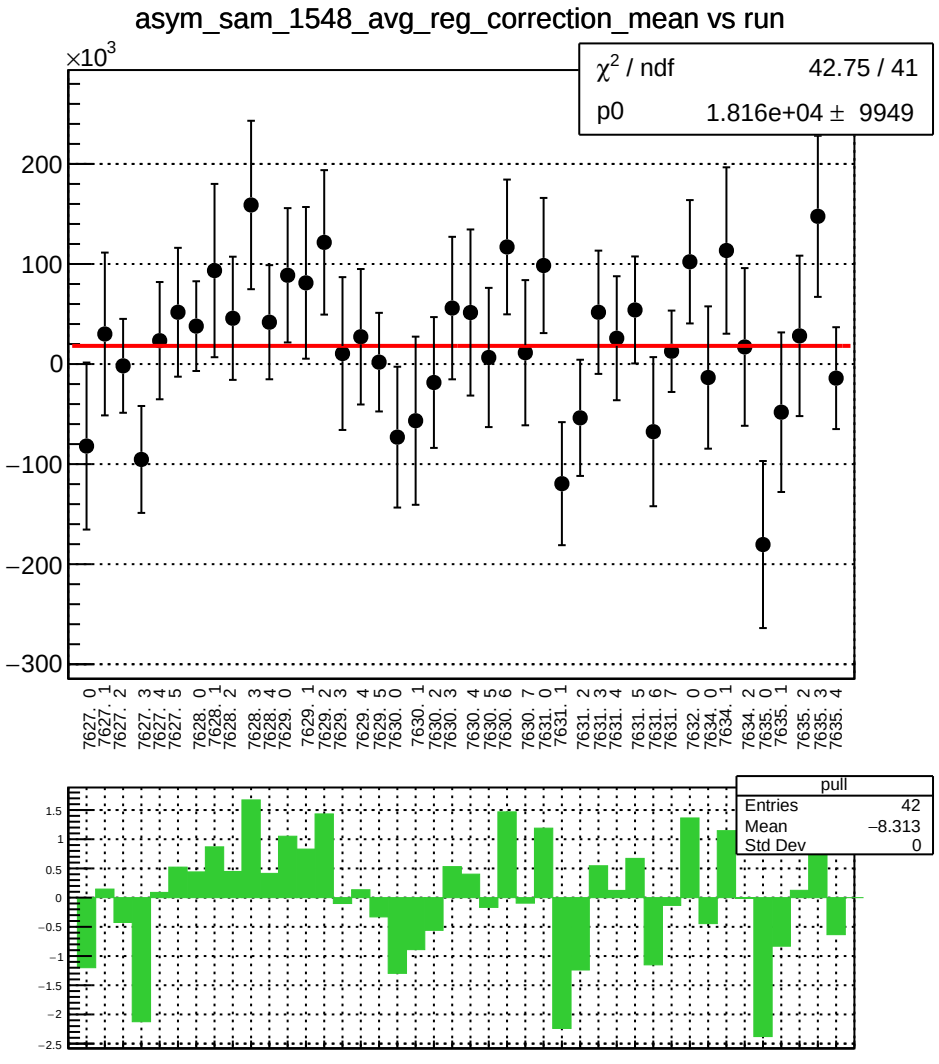

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.76e+05 / 41
p0 154.9 ± 0.1918
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

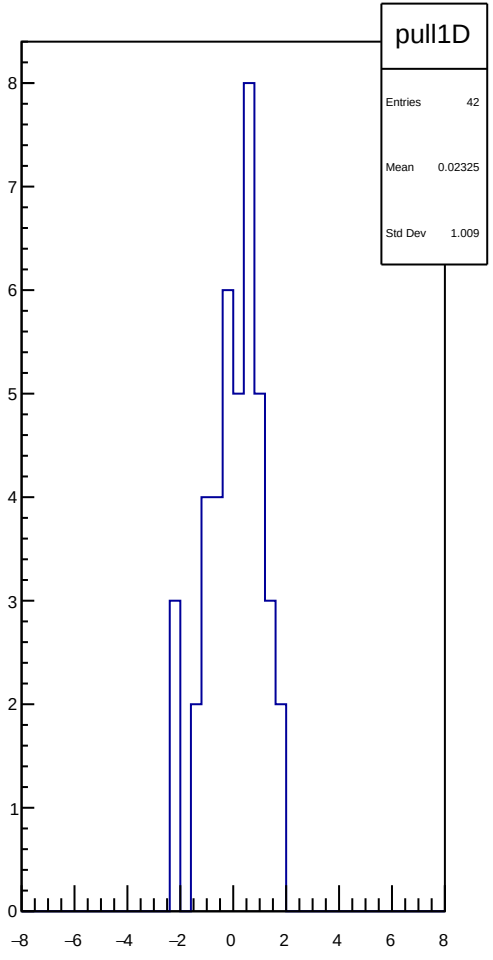

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 60.06 / 41
p0 −5.497e−13 ± 2.115e−12
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 34.58
Std Dev 11.76
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.1479
Std Dev 1.187
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

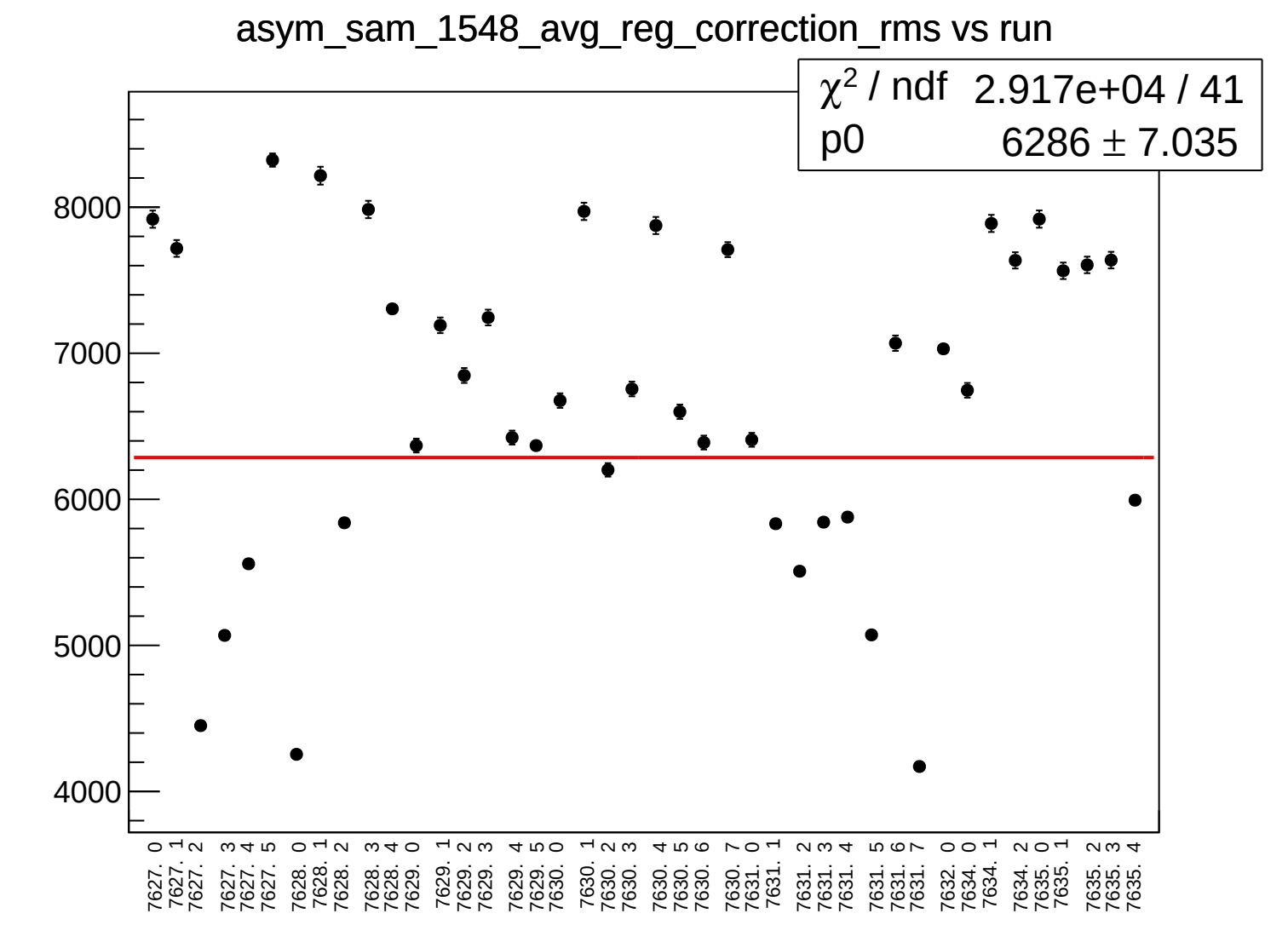

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.189e+05 / 41
p0 1.067e−09 ± 1.496e−12
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

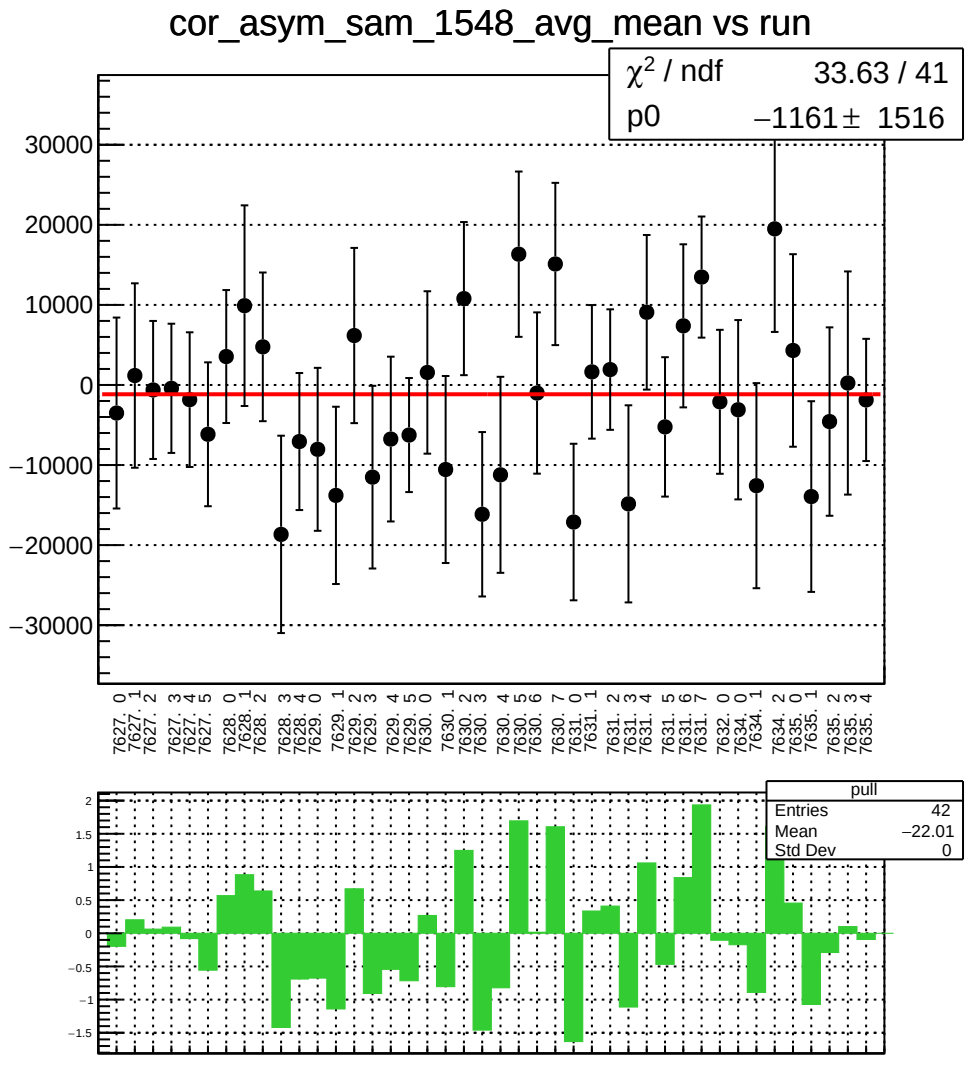

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 33.63 / 41
p0 −1161 ± 1516
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02756
Std Dev 0.8944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

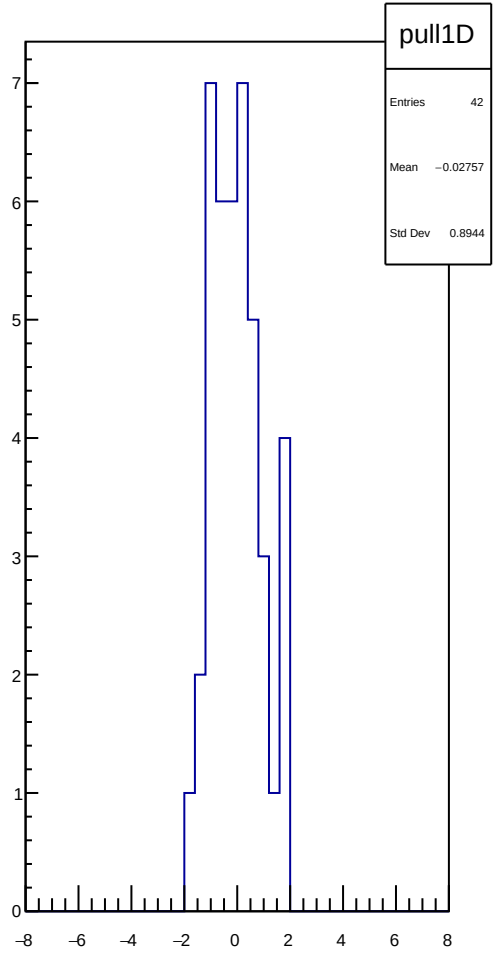

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 1.86e+04 / 41
p0 964.6 ± 1.072
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

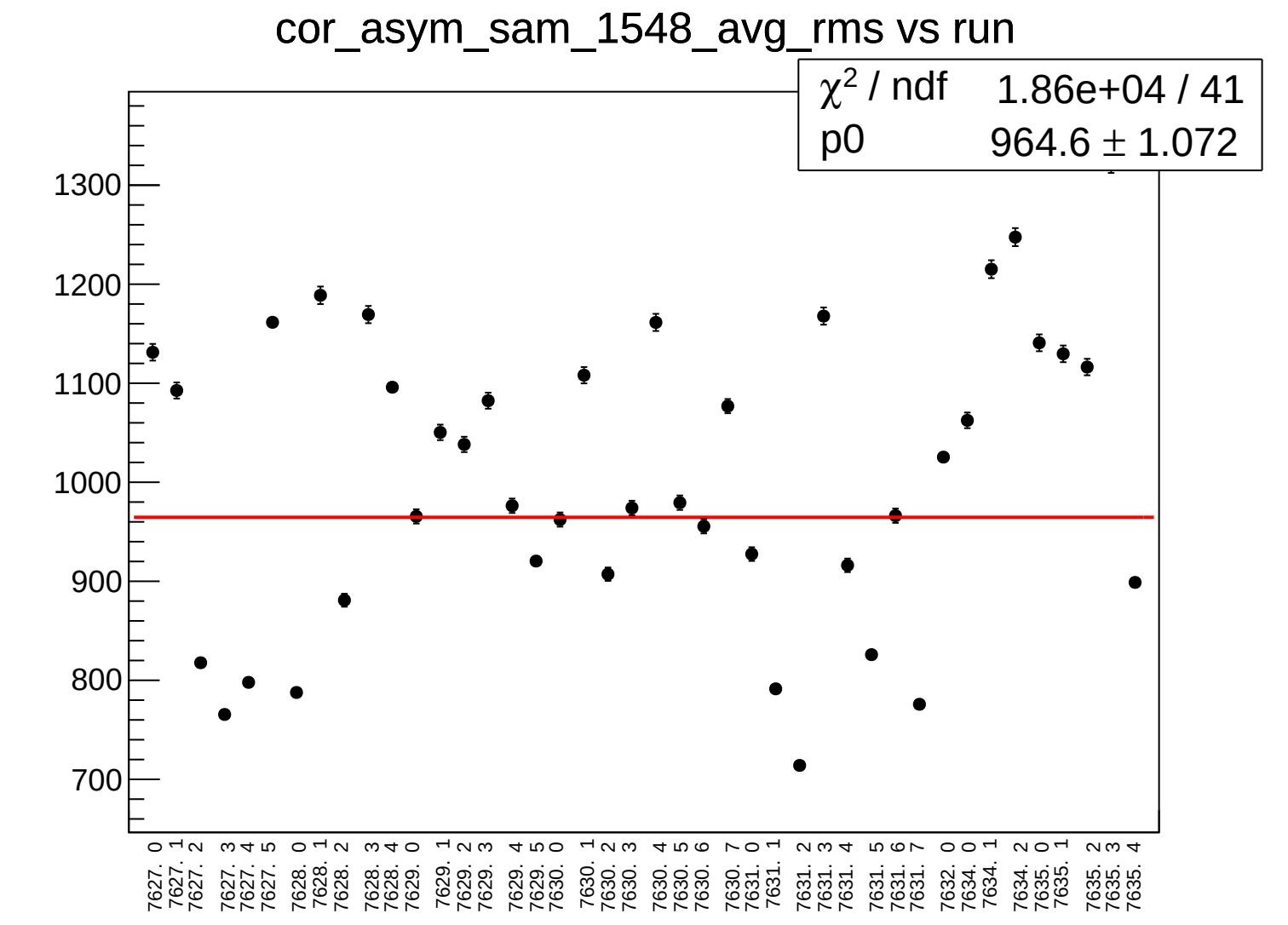

asym_sam_1548_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.75 / 41
p0 1.816e+04 ± 9949
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −8.313
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

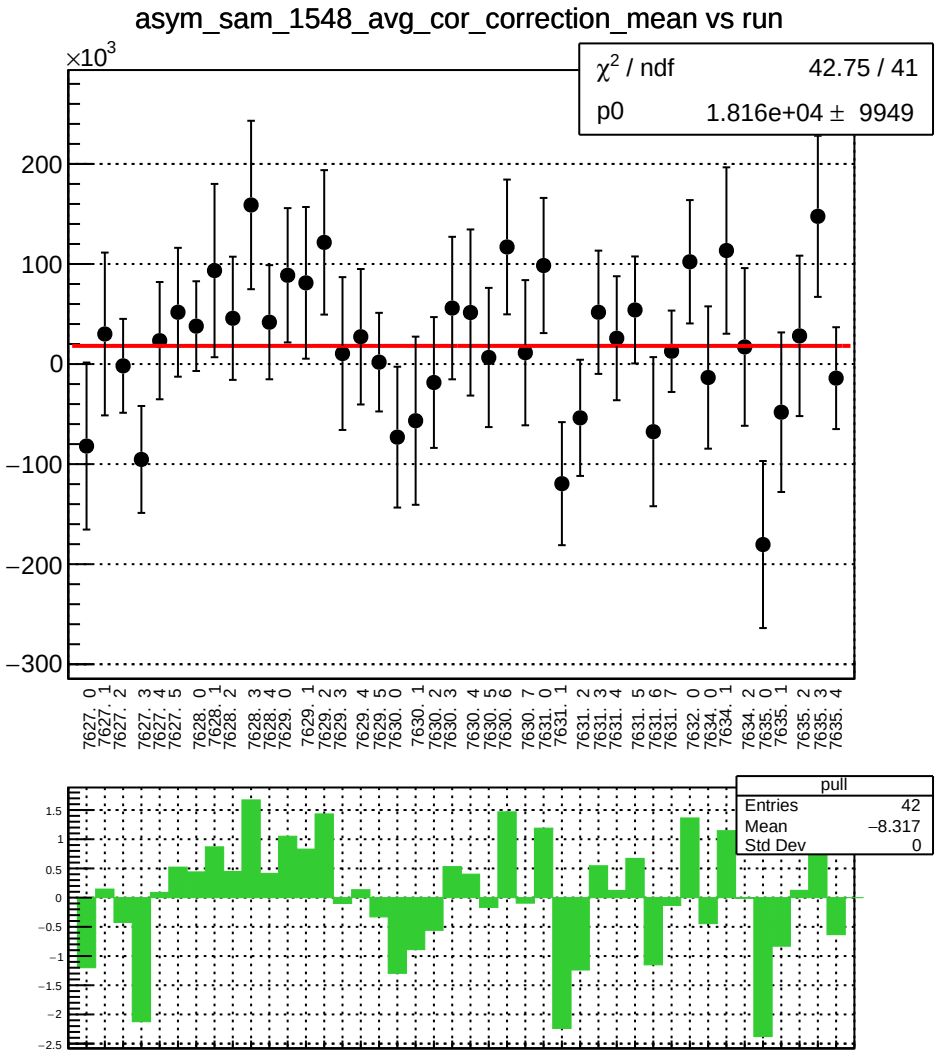

pull1D
Entries 42
Mean 0.02325
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

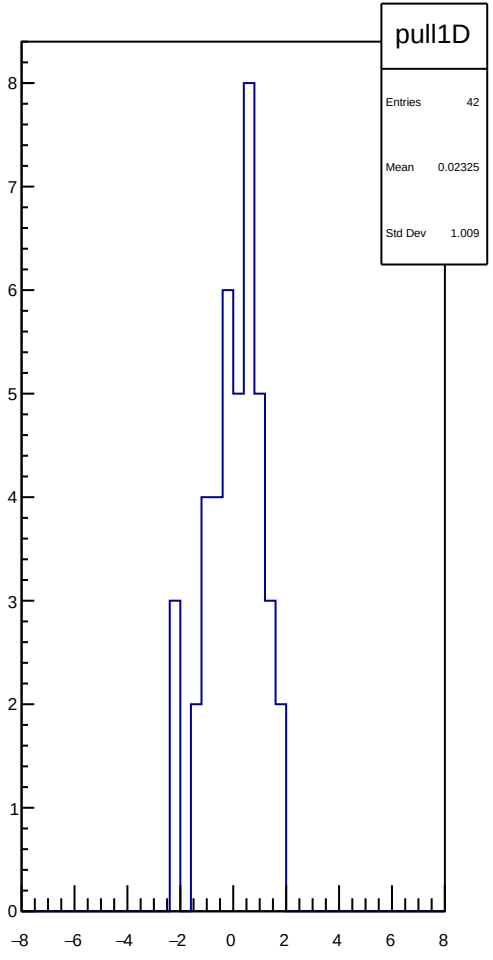

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 2.917e+04 / 41
p0 6286 ± 7.035
8000
7000
6000
5000
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

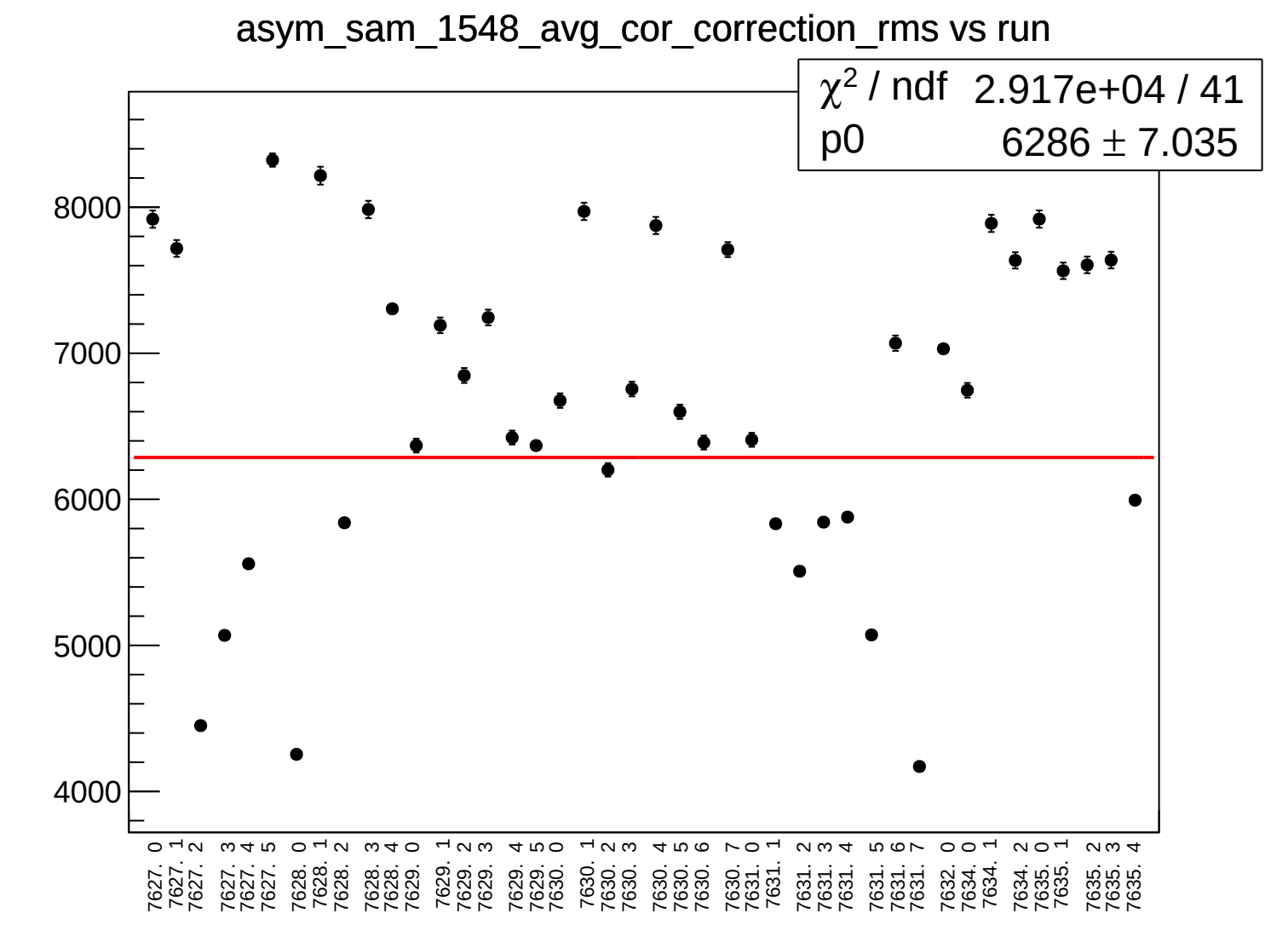

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 33.63 / 41
p0 −1161 ± 1516
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

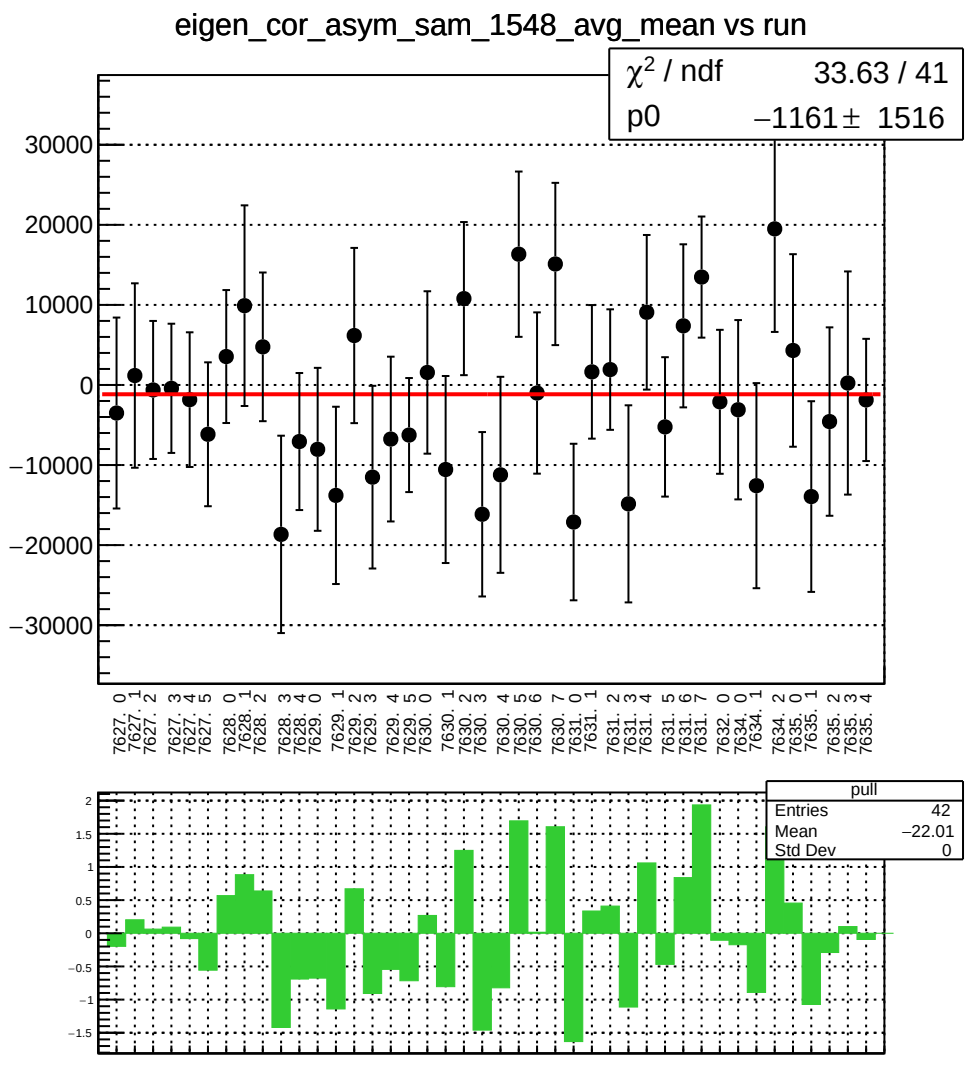

pull1D
Entries 42
Mean −0.02757
Std Dev 0.8944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

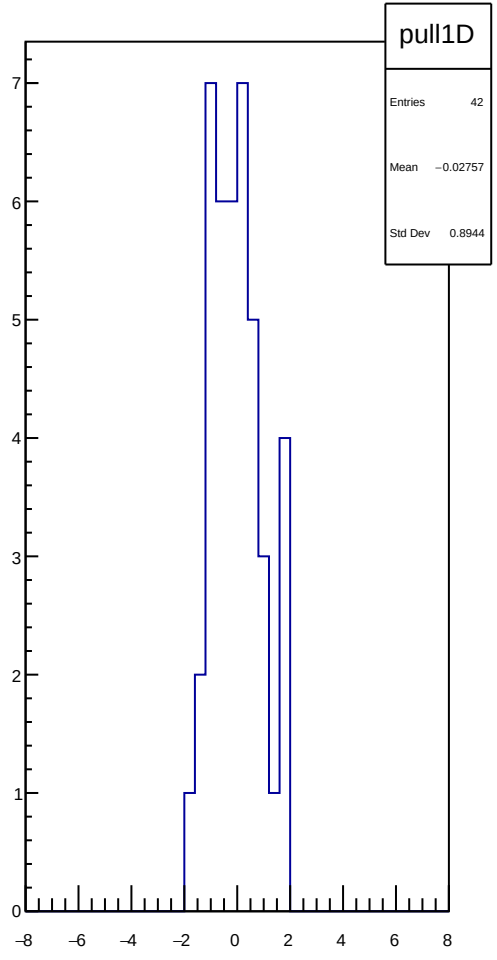

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1.86e+04 / 41
p0 964.6 ± 1.072
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

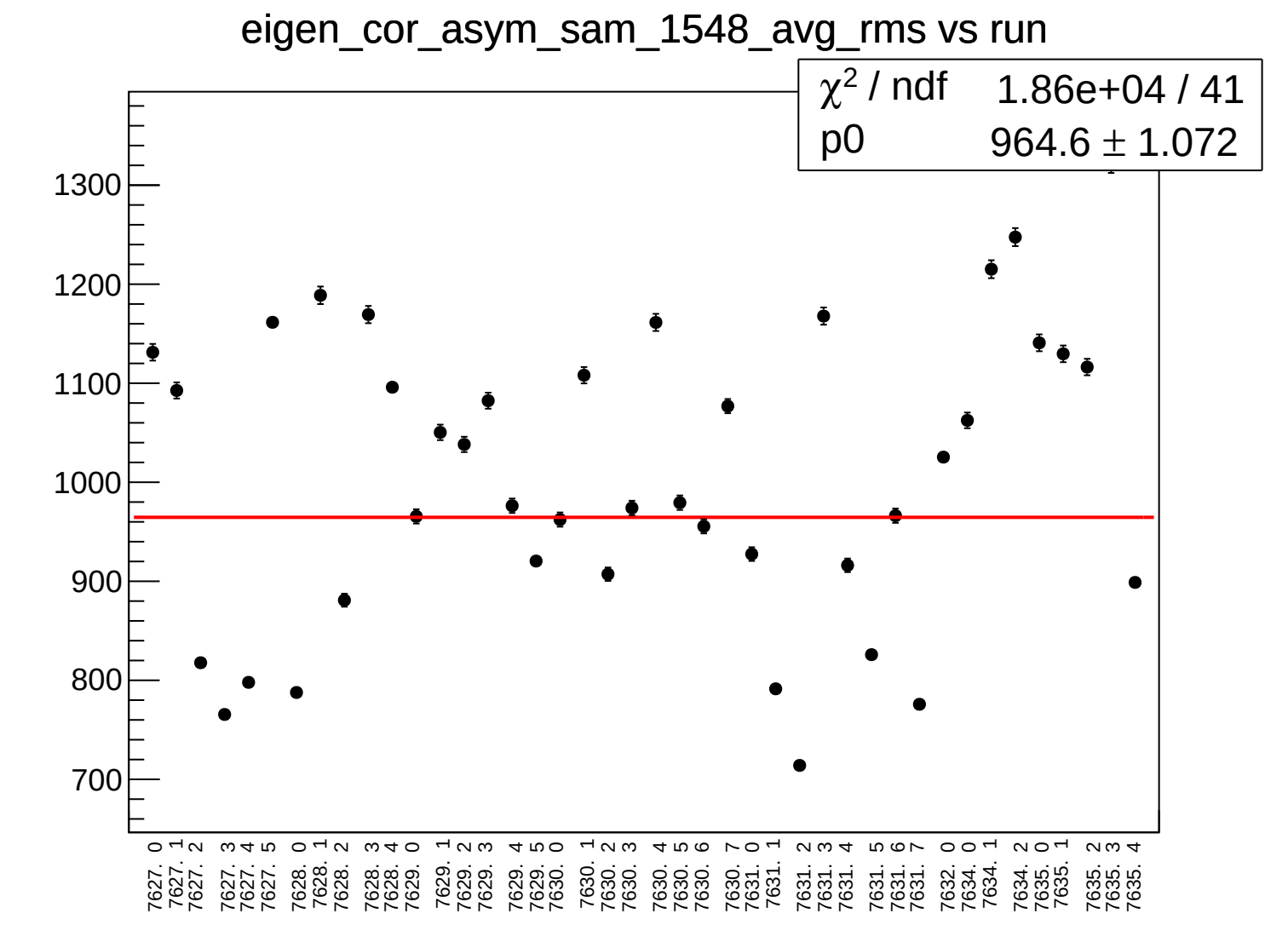

asym_sam_1548_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.75 / 41
p0 1.816e+04 ± 9949
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −8.317
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

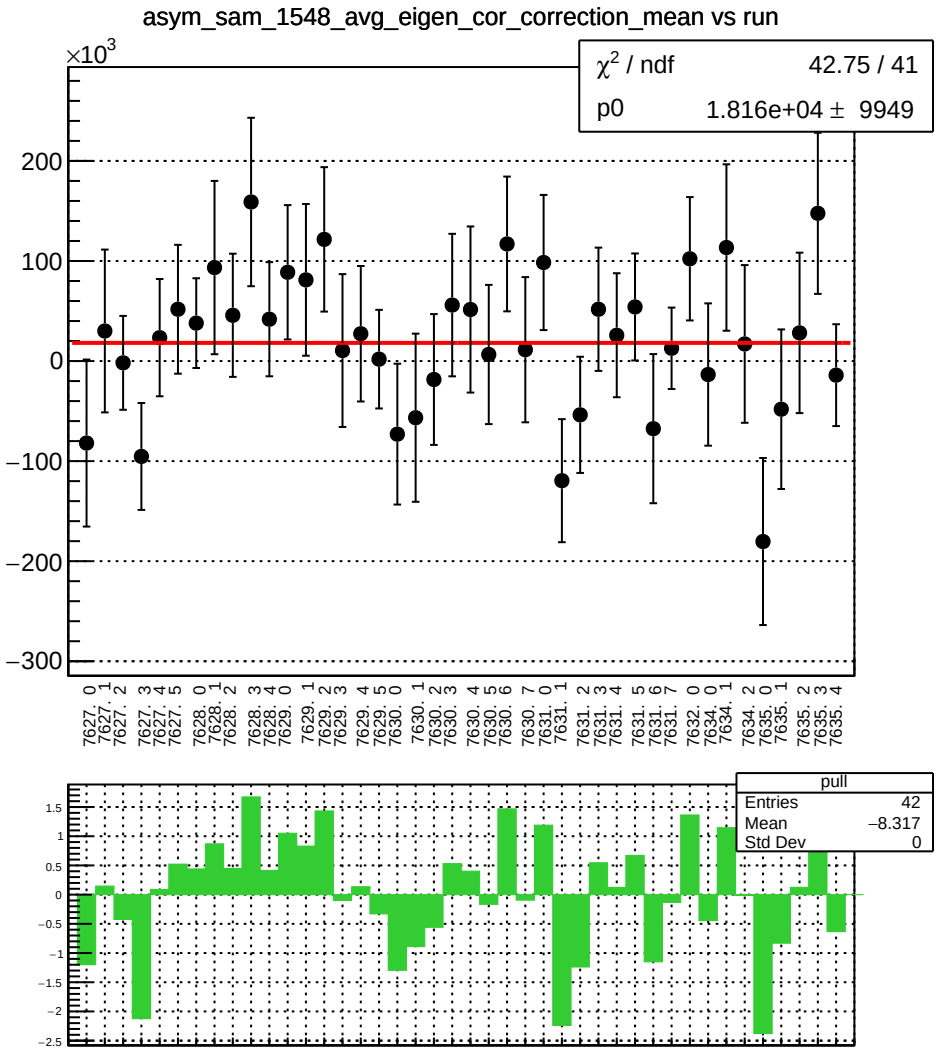

pull1D
Entries 42
Mean 0.02325
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

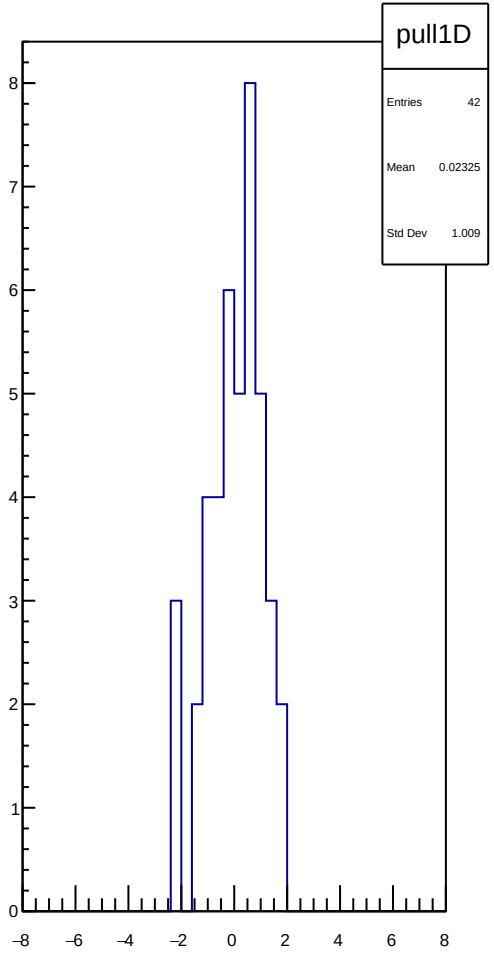

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 2.917e+04 / 41
p0 6286 ± 7.035
8000
7000
6000
5000
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

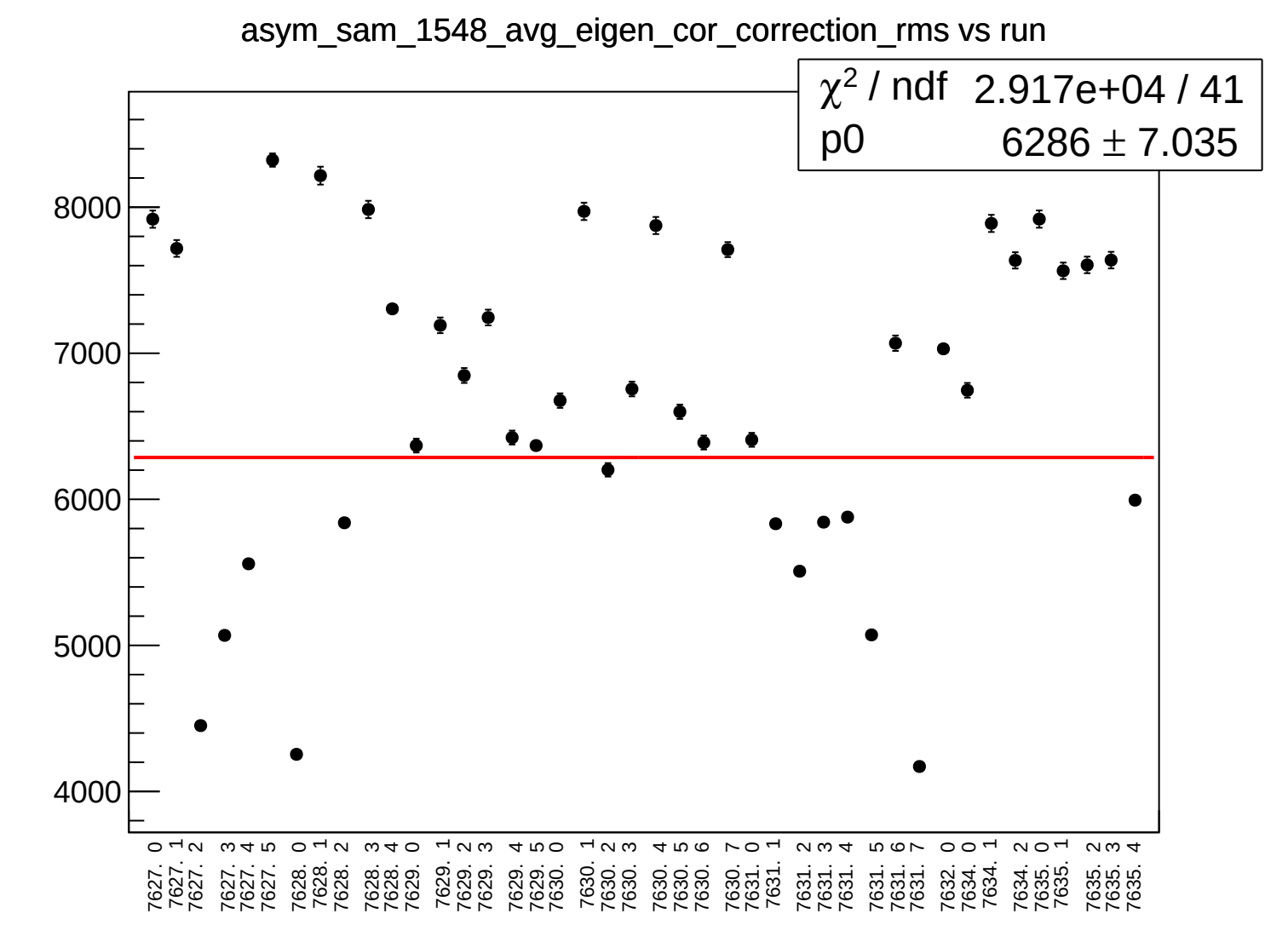

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 33.63 / 41
p0 −1161 ± 1516
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

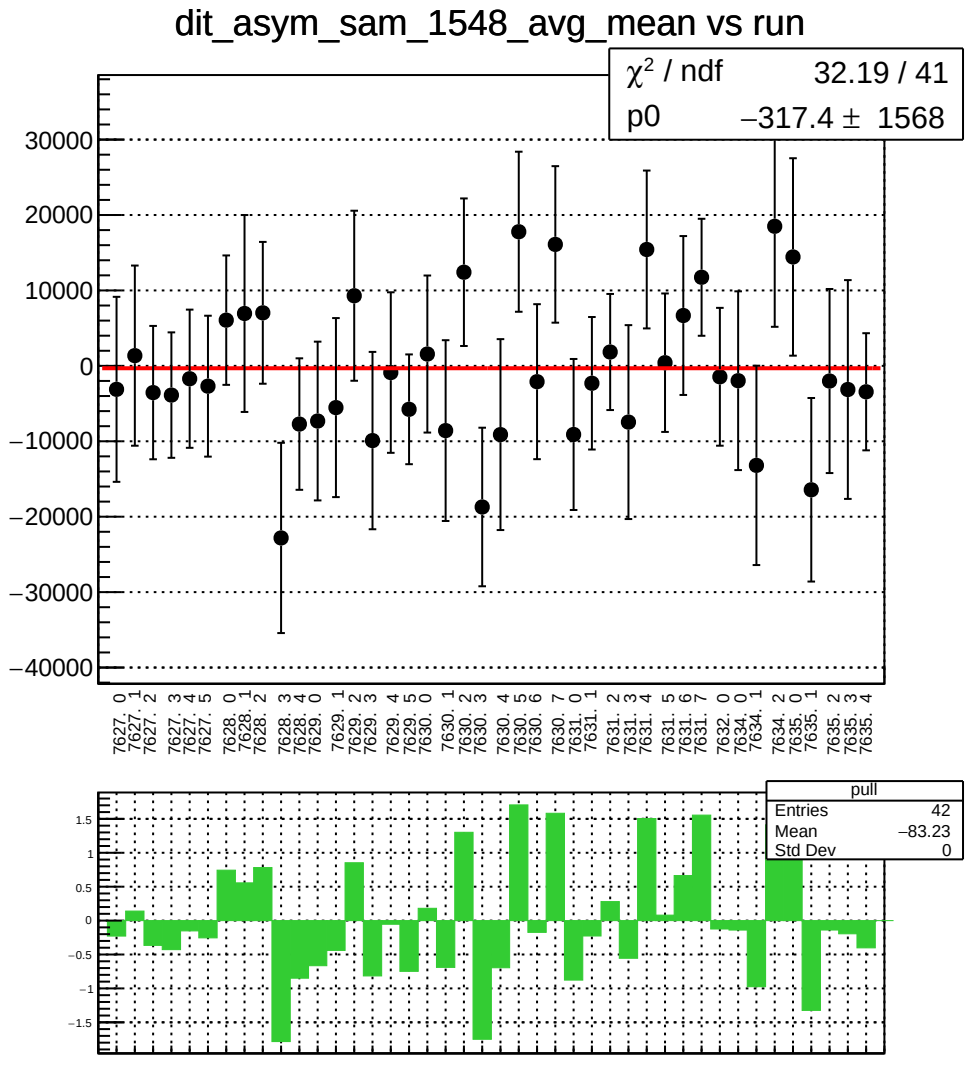

pull1D
Entries 42
Mean −0.02757
Std Dev 0.8944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

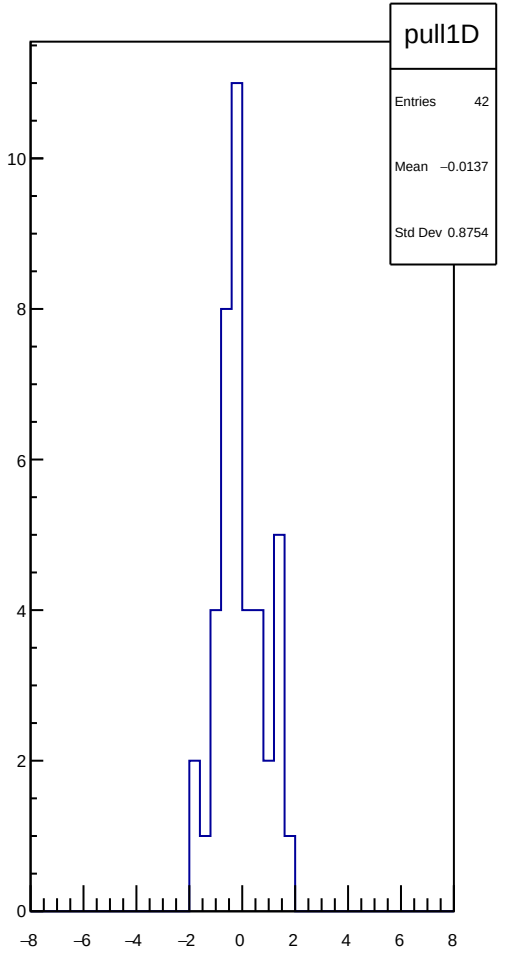

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1.86e+04 / 41
p0 964.6 ± 1.072
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

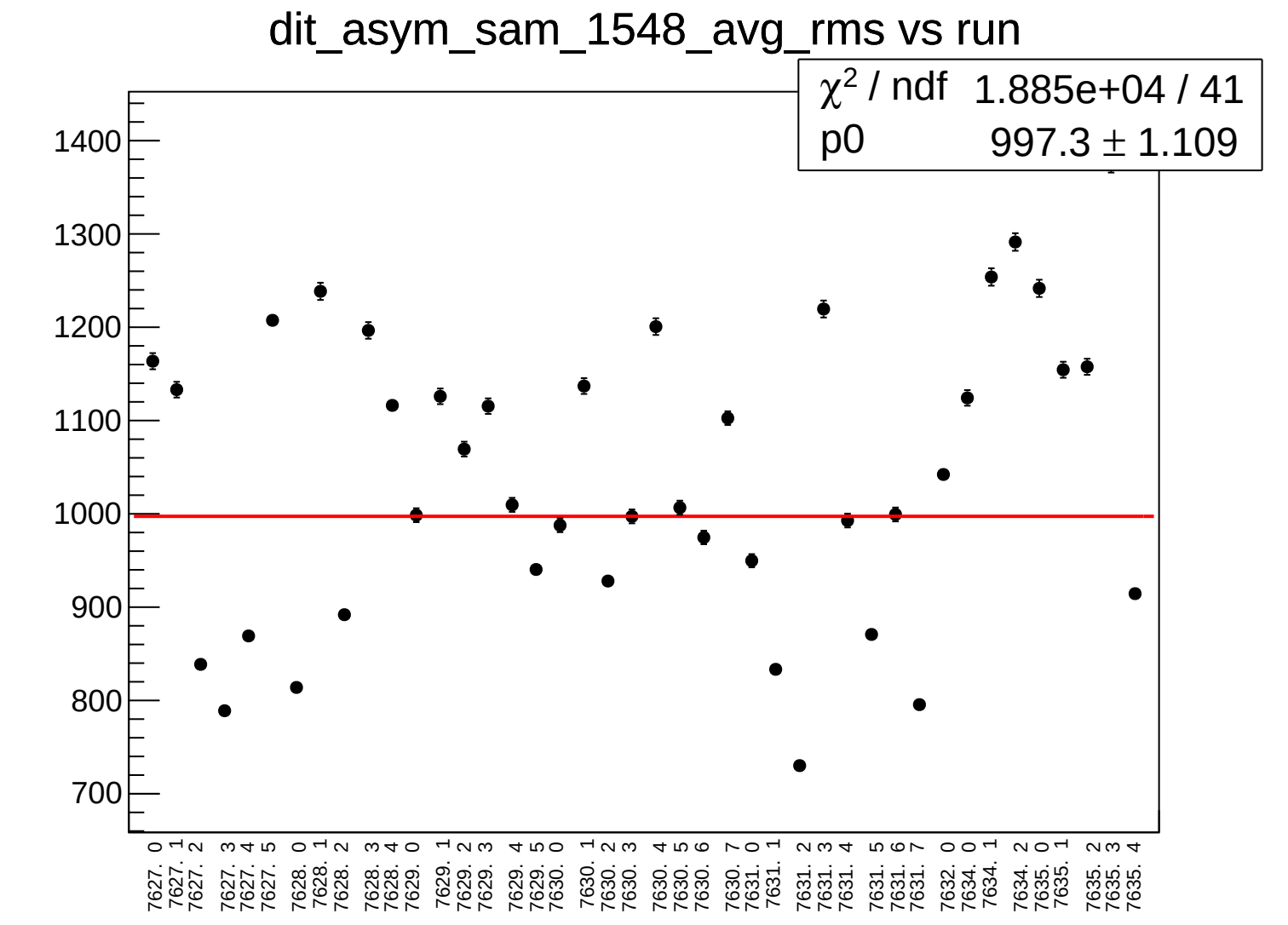

asym_sam_1548_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.75 / 41
p0 1.816e+04 ± 9949
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −8.317
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

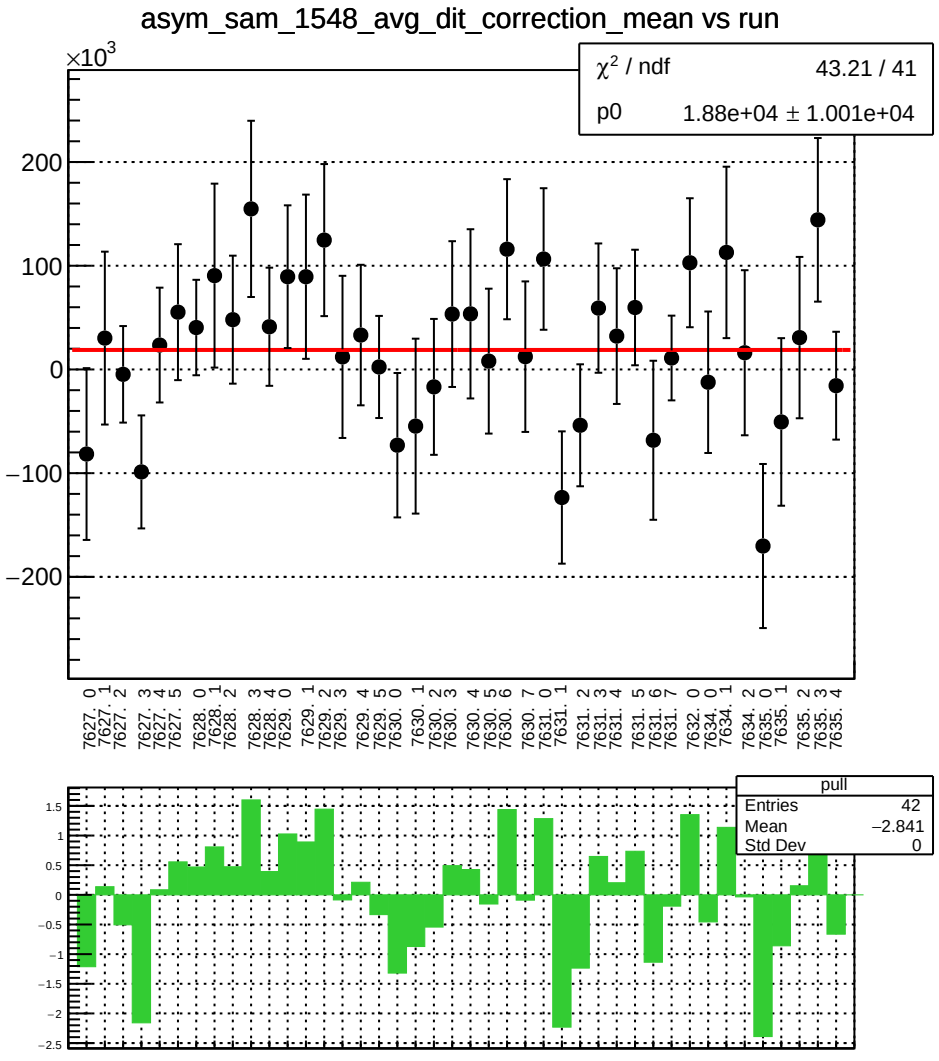

pull1D
Entries 42
Mean 0.02325
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

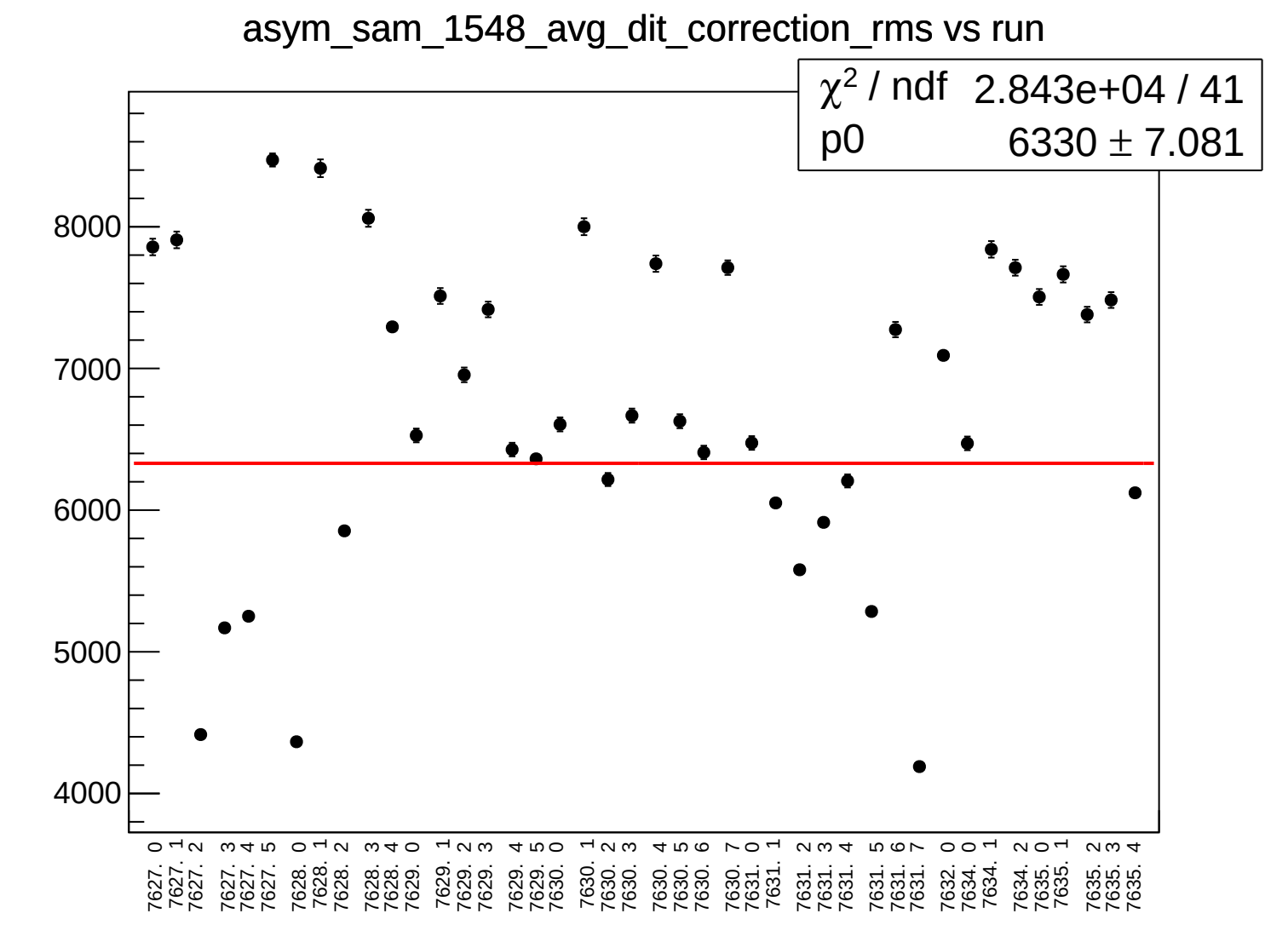

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.917e+04 / 41
p0 6286 ± 7.035
8000
7000
6000
5000
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

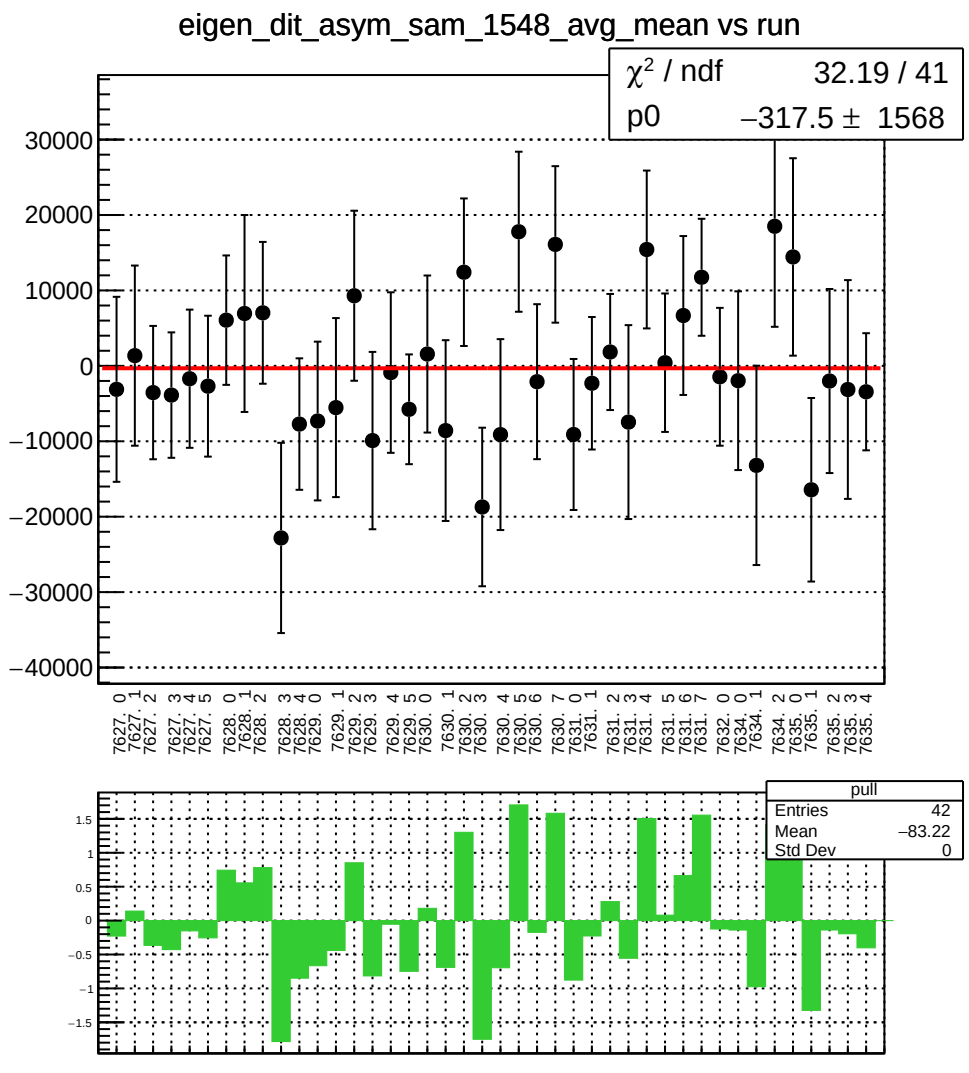

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 32.19 / 41
p0 −317.4 ± 1568
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −83.23
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

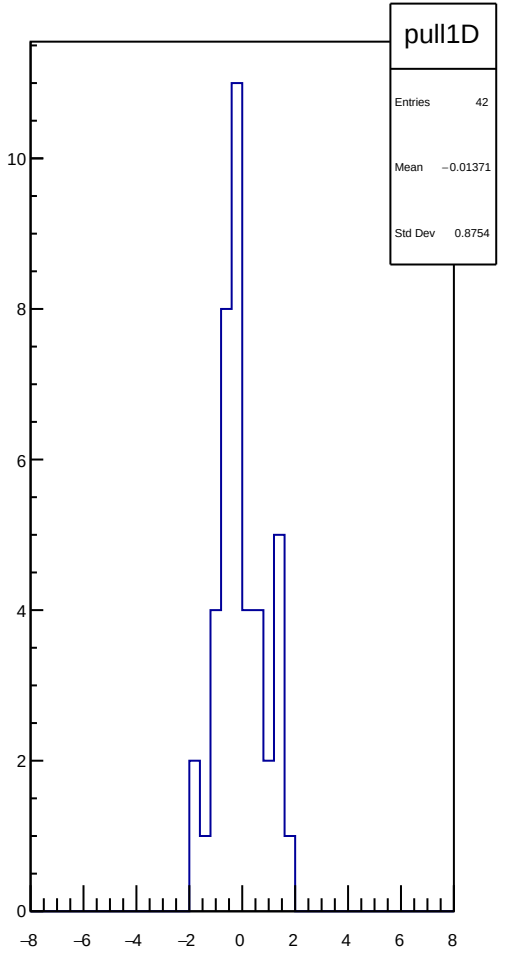

pull1D
Entries 42
Mean −0.0137
Std Dev 0.8754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

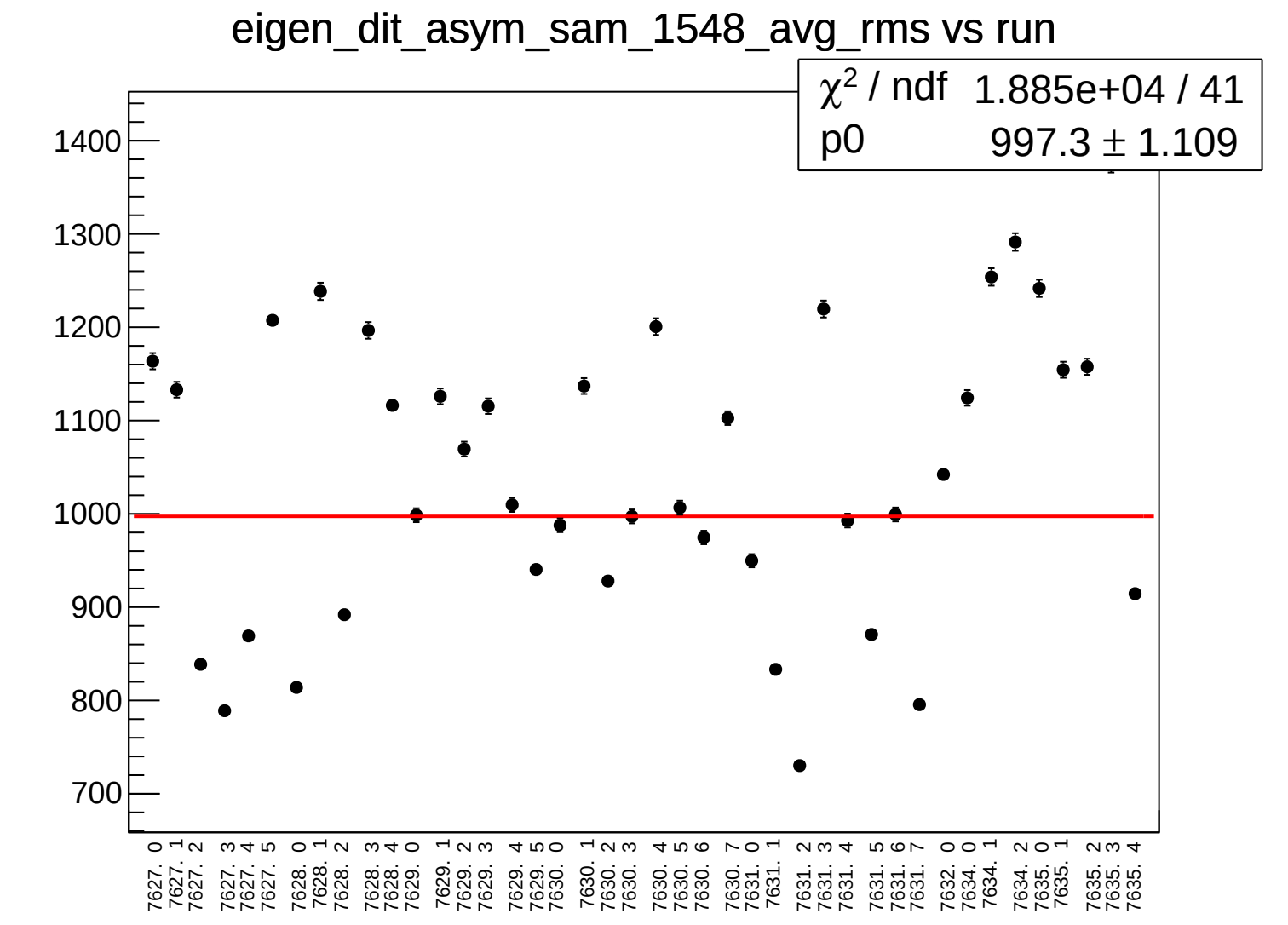

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.885e+04 / 41
p0 997.3 ± 1.109
1400
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

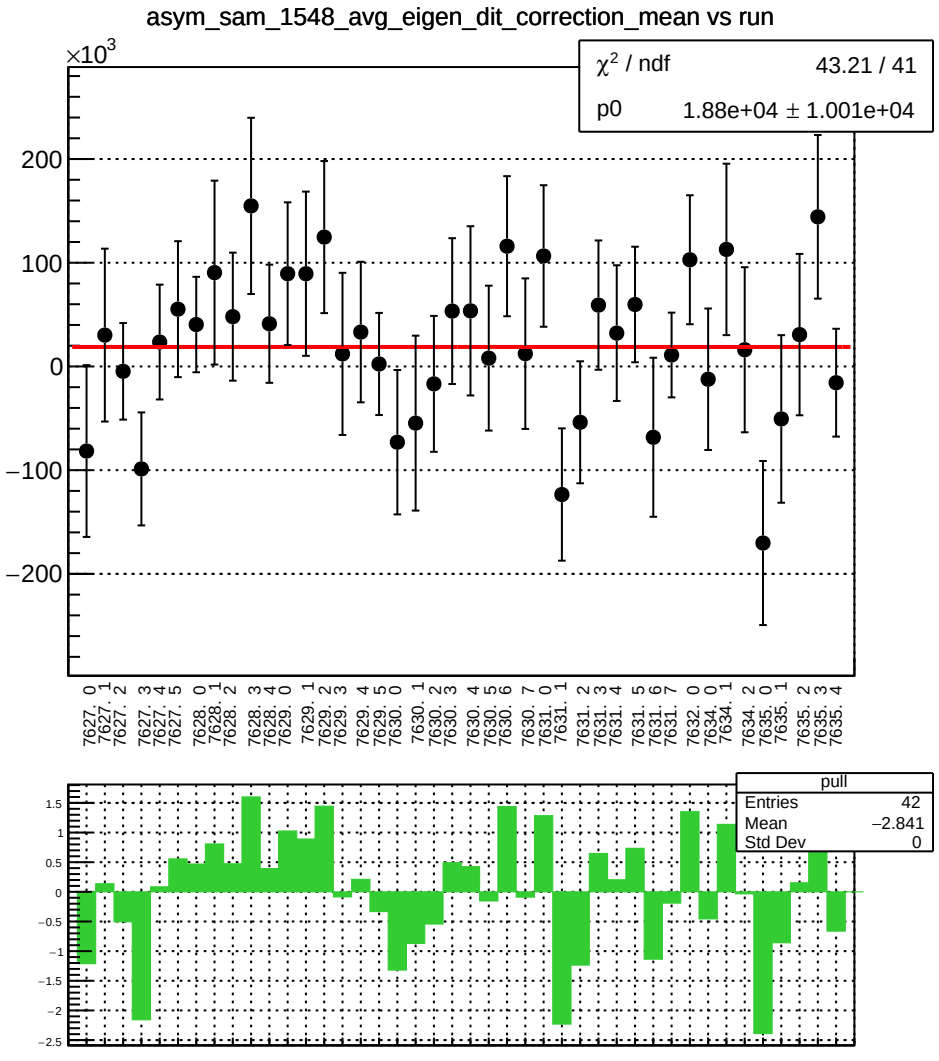

asym_sam_1548_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43.21 / 41
p0 1.88e+04 ± 1.001e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.841
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.02608
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

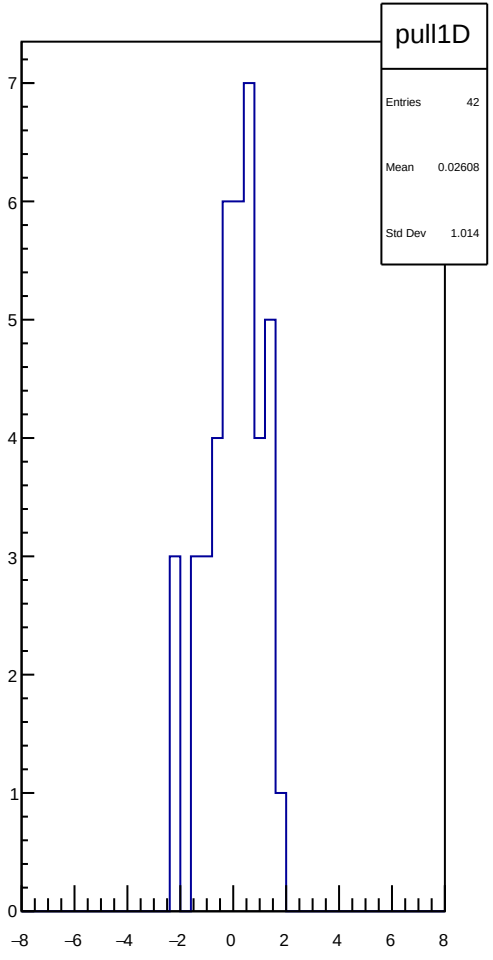

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 2.843e+04 / 41
p0 6330 ± 7.081
8000
7000
6000
5000
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

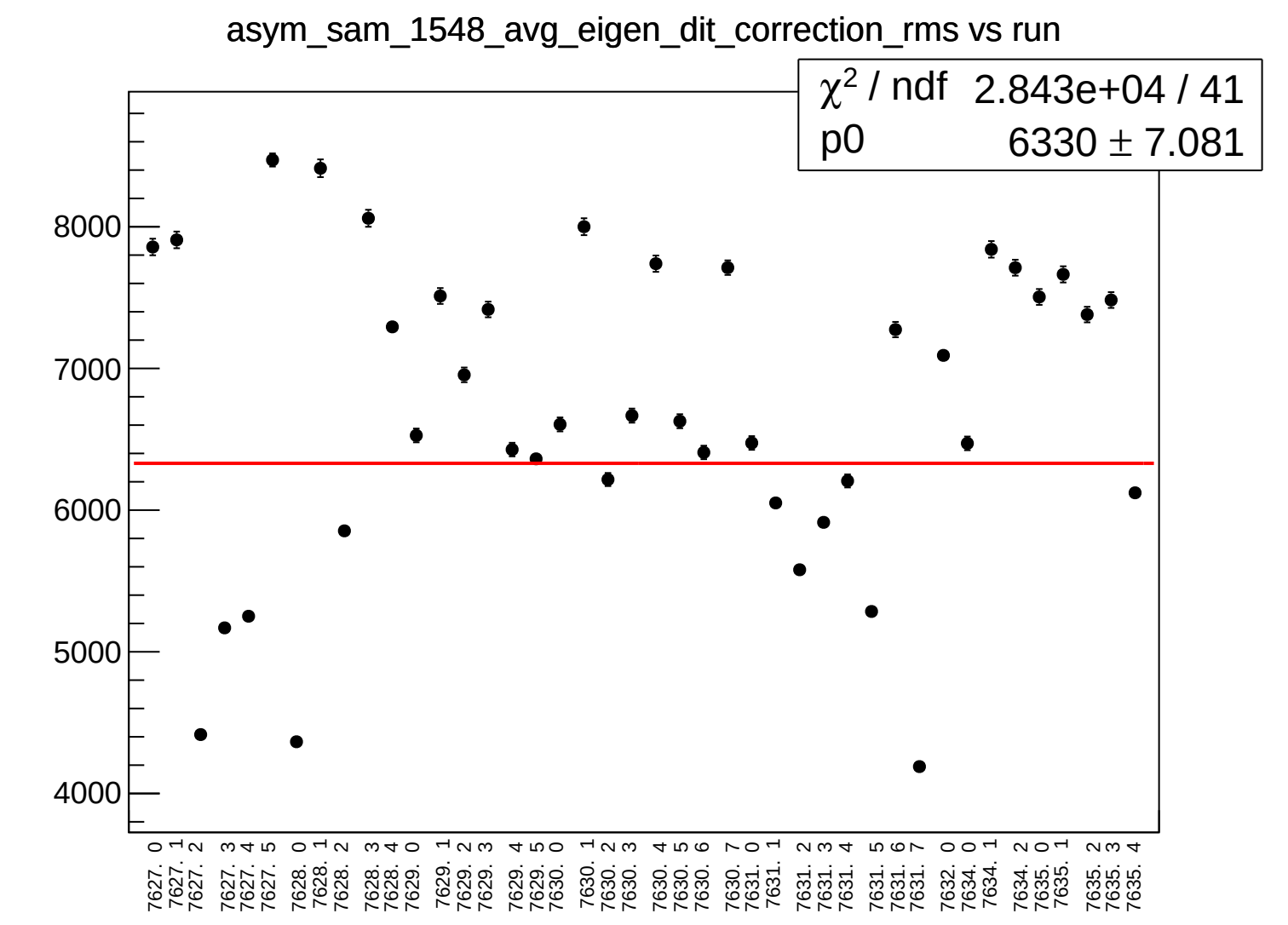

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 32.19 / 41
p0 −317.5 ± 1568
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −83.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

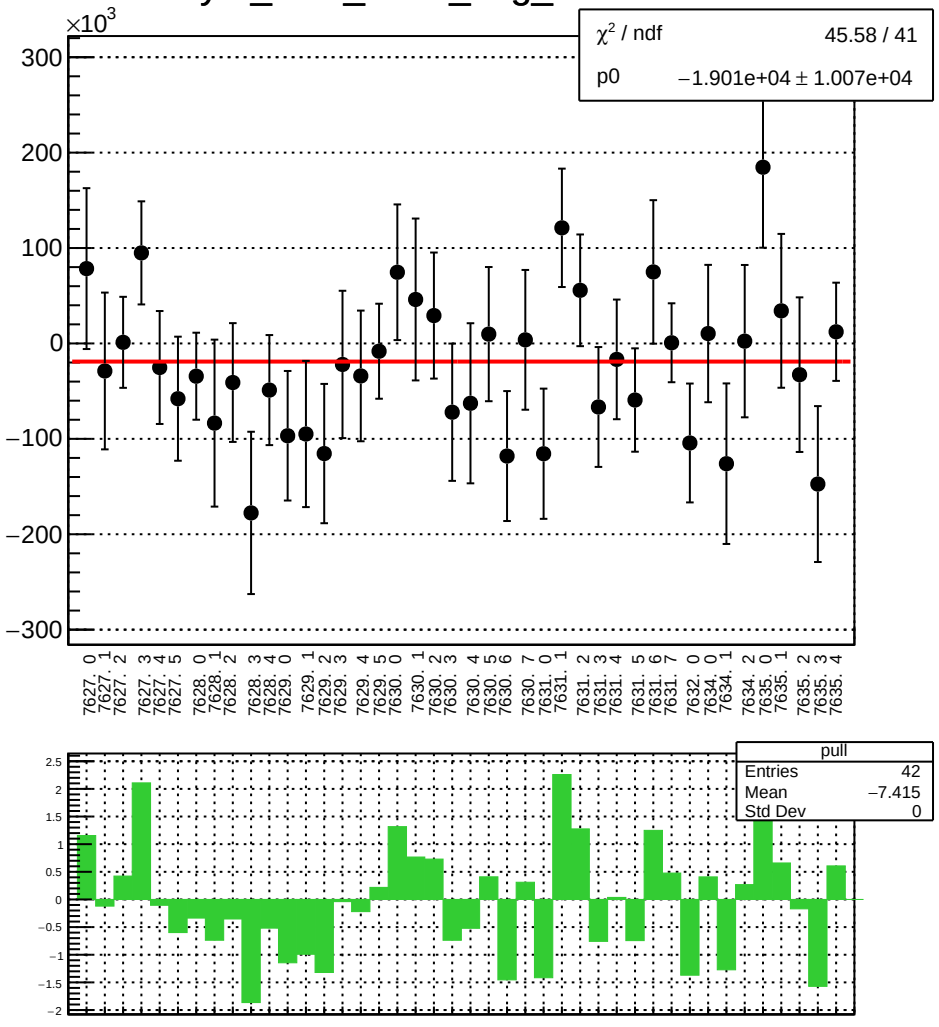

pull1D
Entries 42
Mean −0.01371
Std Dev 0.8754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

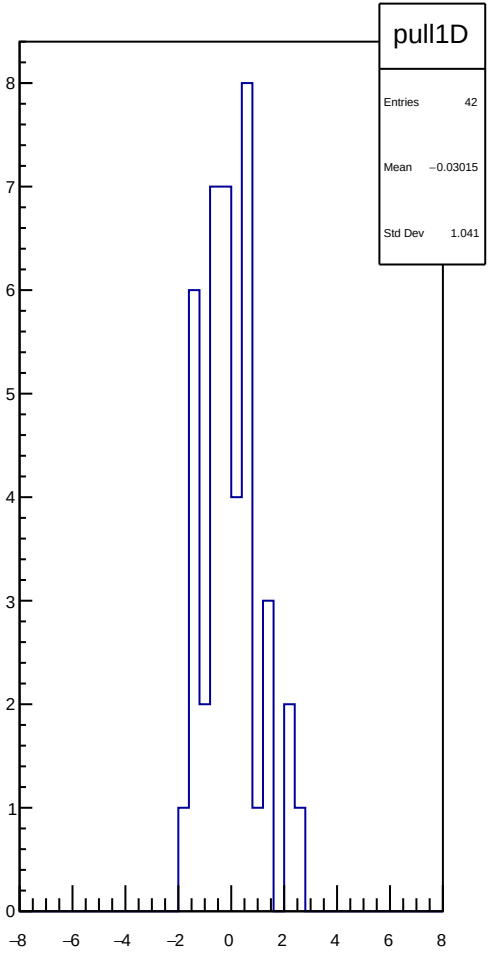

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.885e+04 / 41
p0 997.3 ± 1.109
1400
1300
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

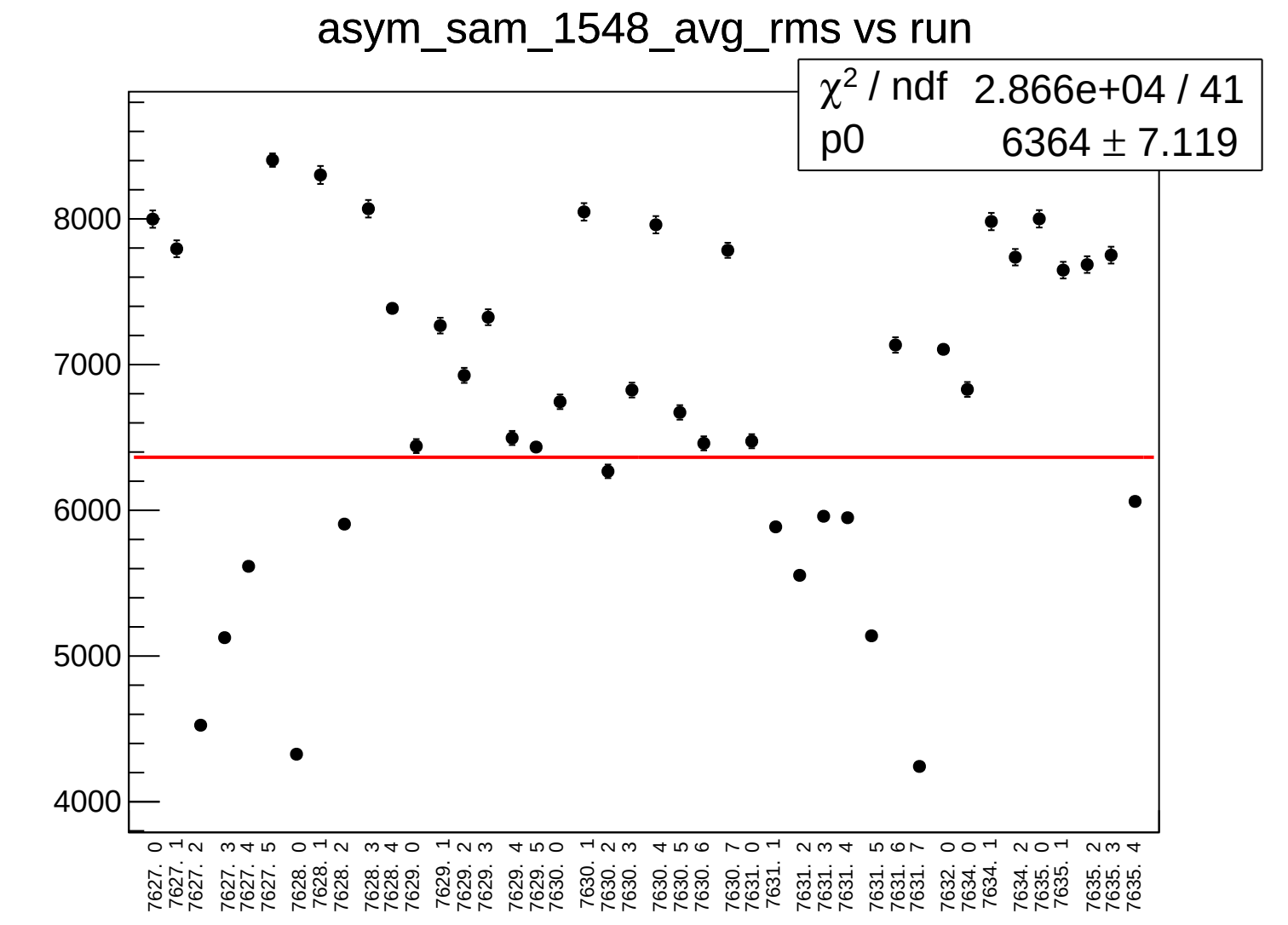

asym_sam_1548_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43.21 / 41
p0 1.88e+04 ± 1.001e+04
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.841
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

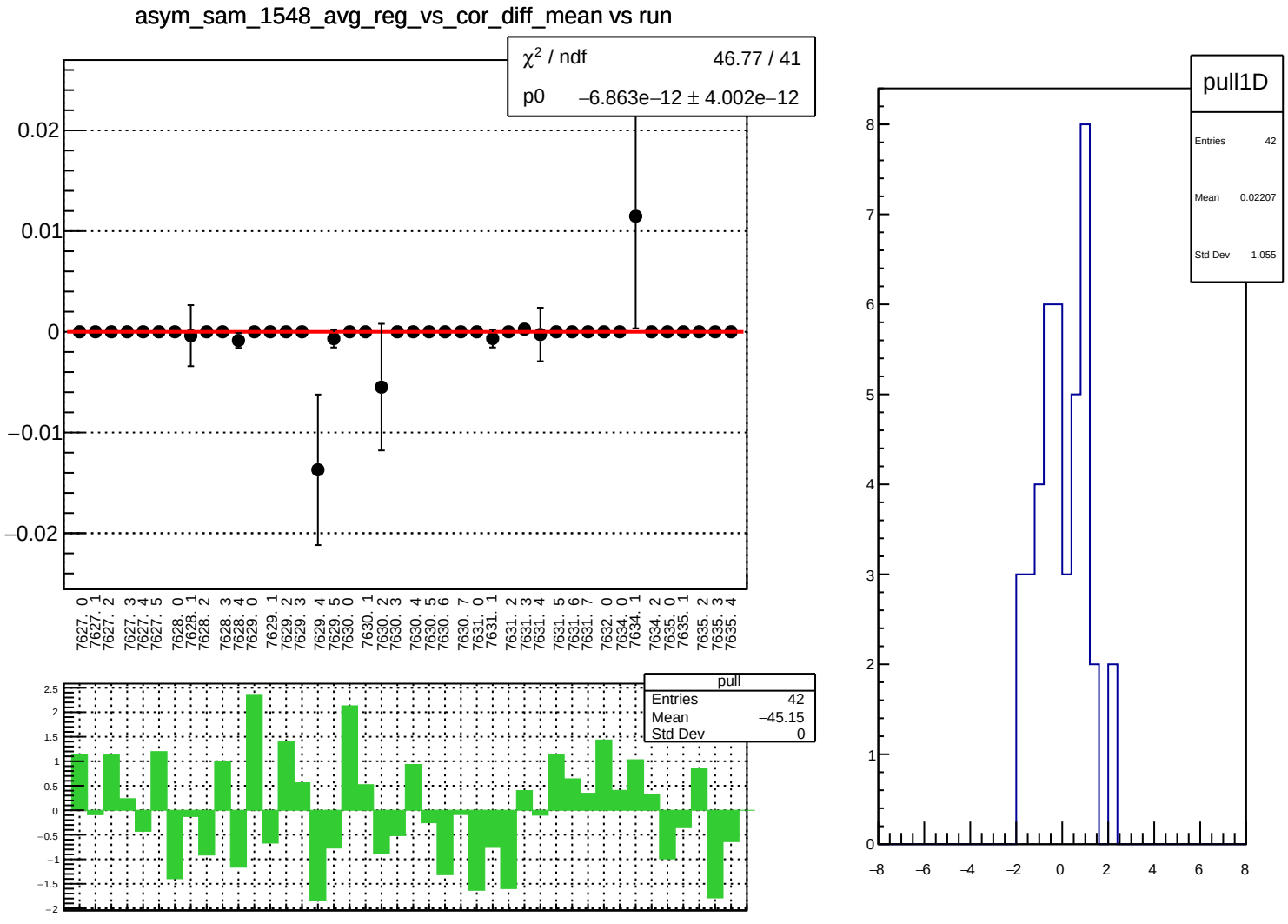

pull1D
Entries 42
Mean 0.02608
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

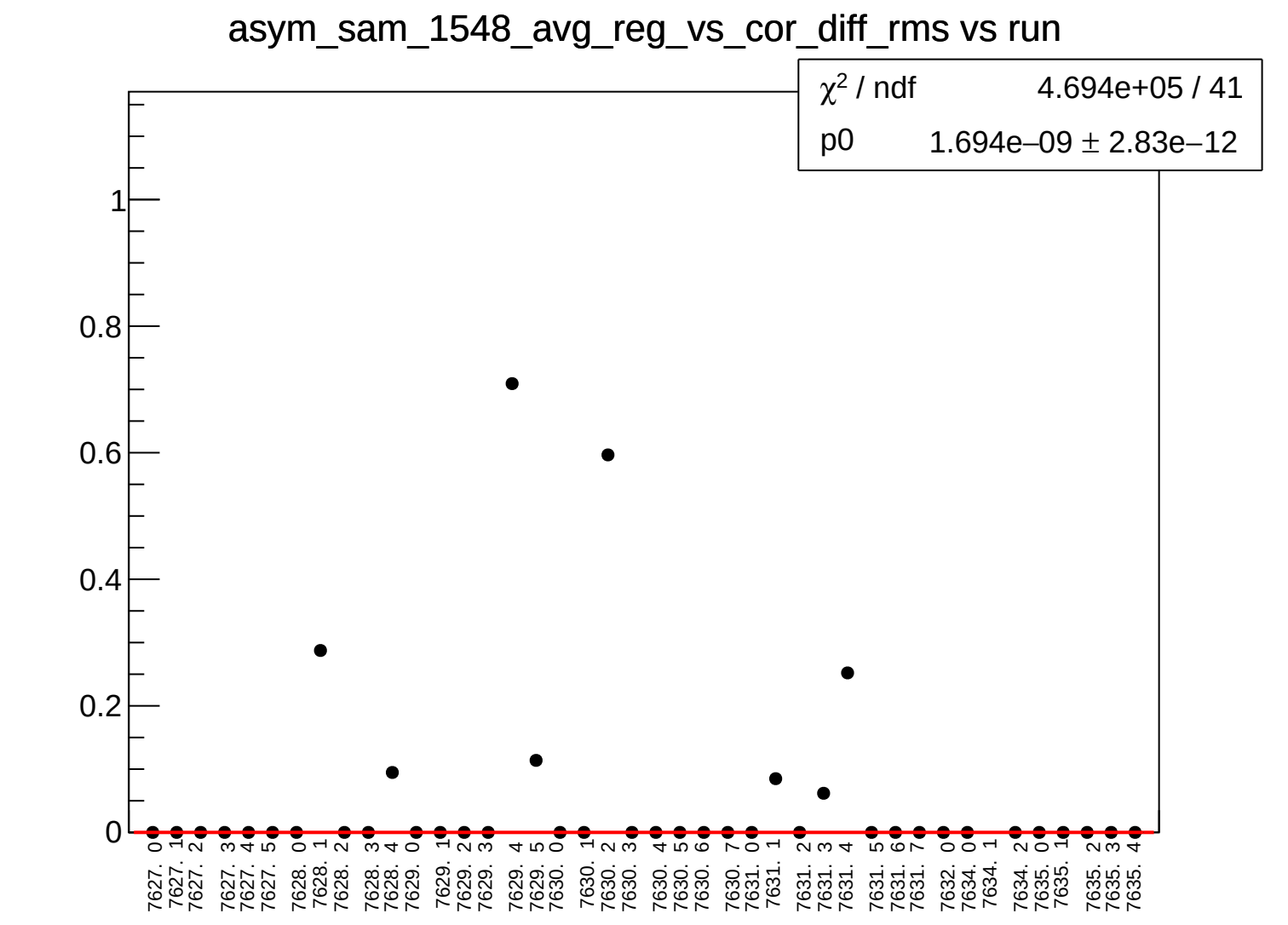

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.843e+04 / 41
p0 6330 ± 7.081
8000
7000
6000
5000
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

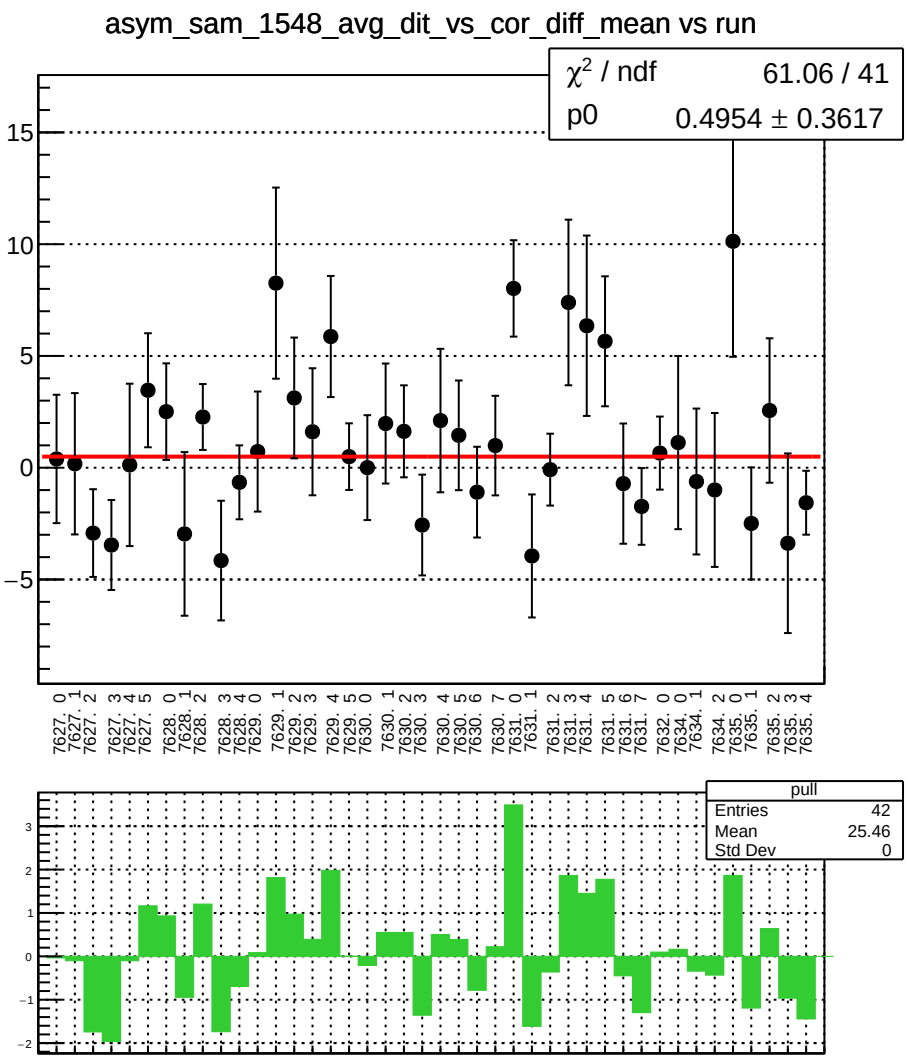

asym_sam_1548_avg_mean vs run
×10^3
χ² / ndf 45.58 / 41
p0 −1.901e+04 ± 1.007e+04
pull
Entries 42
Mean −7.415
Std Dev 0

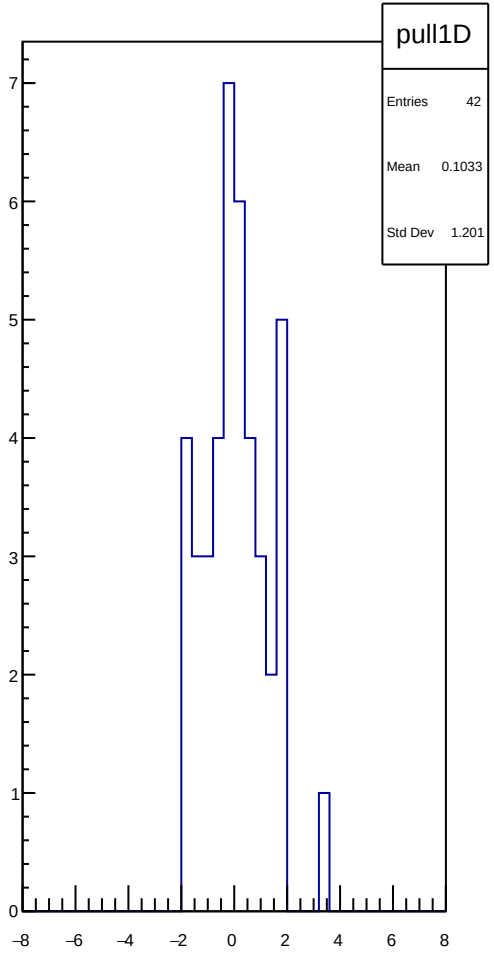

pull1D
Entries 42
Mean −0.03015
Std Dev 1.041

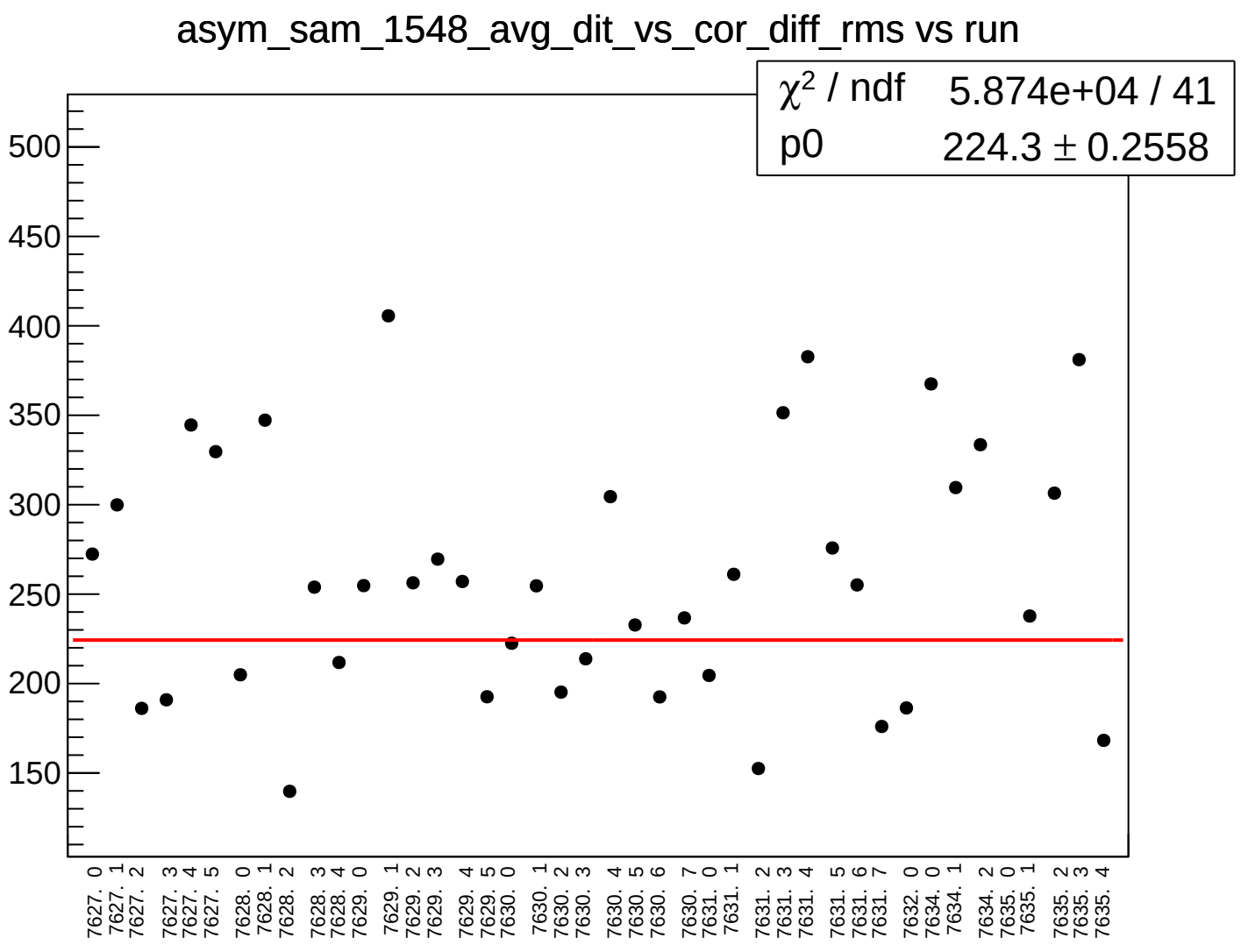

asym_sam_1548_avg_rms vs run
χ² / ndf 2.866e+04 / 41
p0 6364 ± 7.119
8000
7000
6000
5000
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

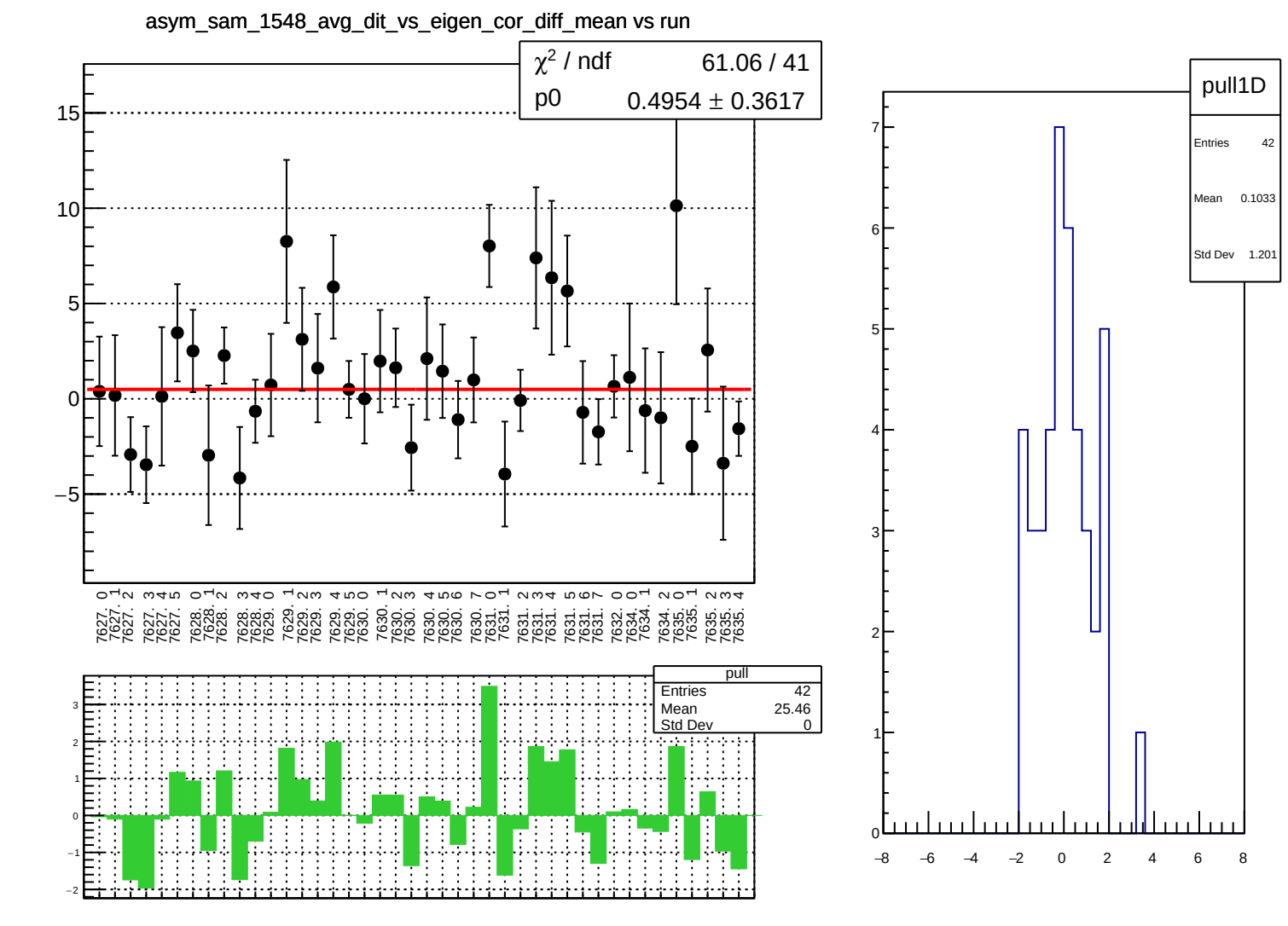

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.77 / 41
p0 −6.863e−12 ± 4.002e−12
0.02
0.01
0
−0.01
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −45.15
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.02207
Std Dev 1.055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

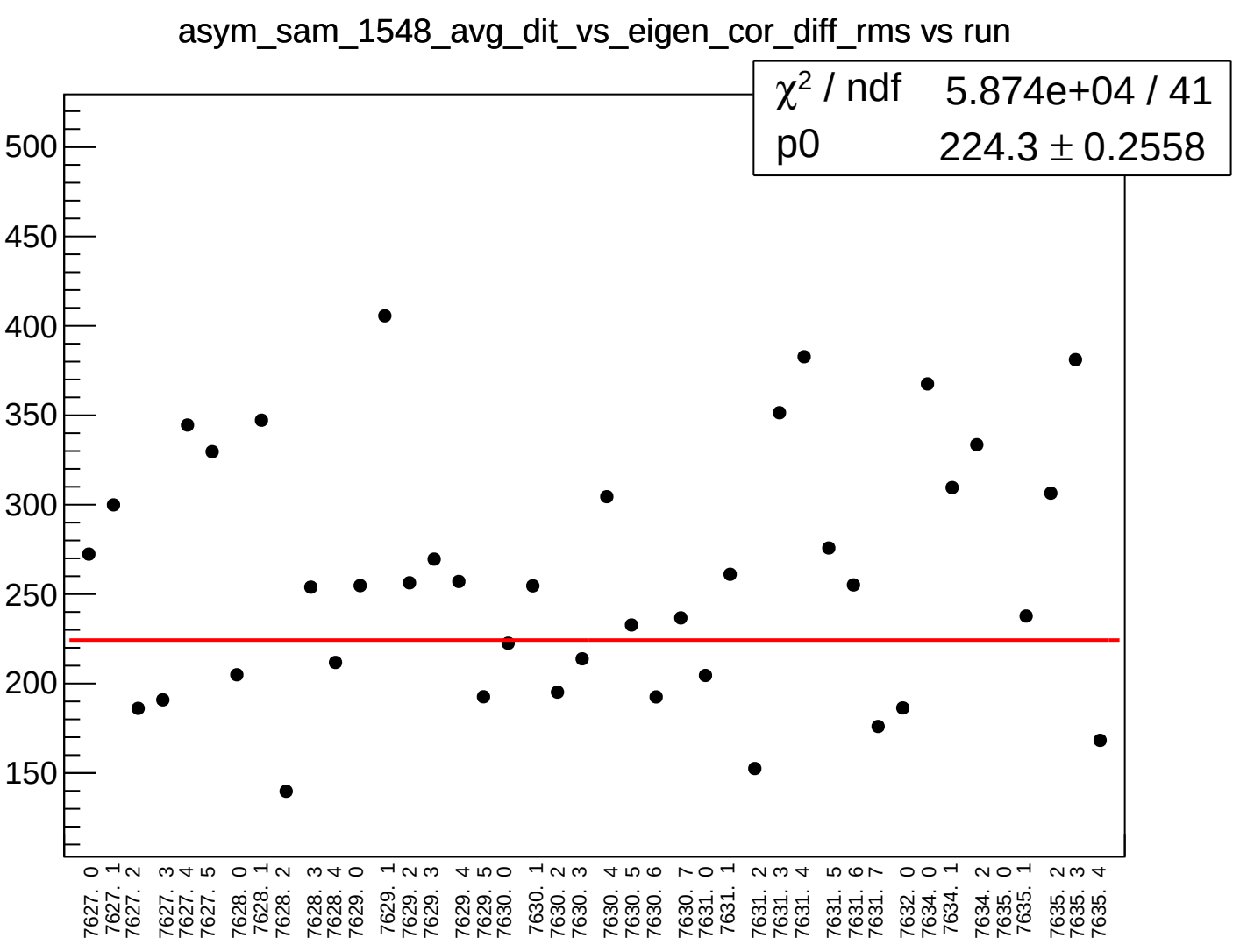

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.694e+05 / 41
p0 1.694e−09 ± 2.83e−12
1
0.8
0.6
0.4
0.2
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

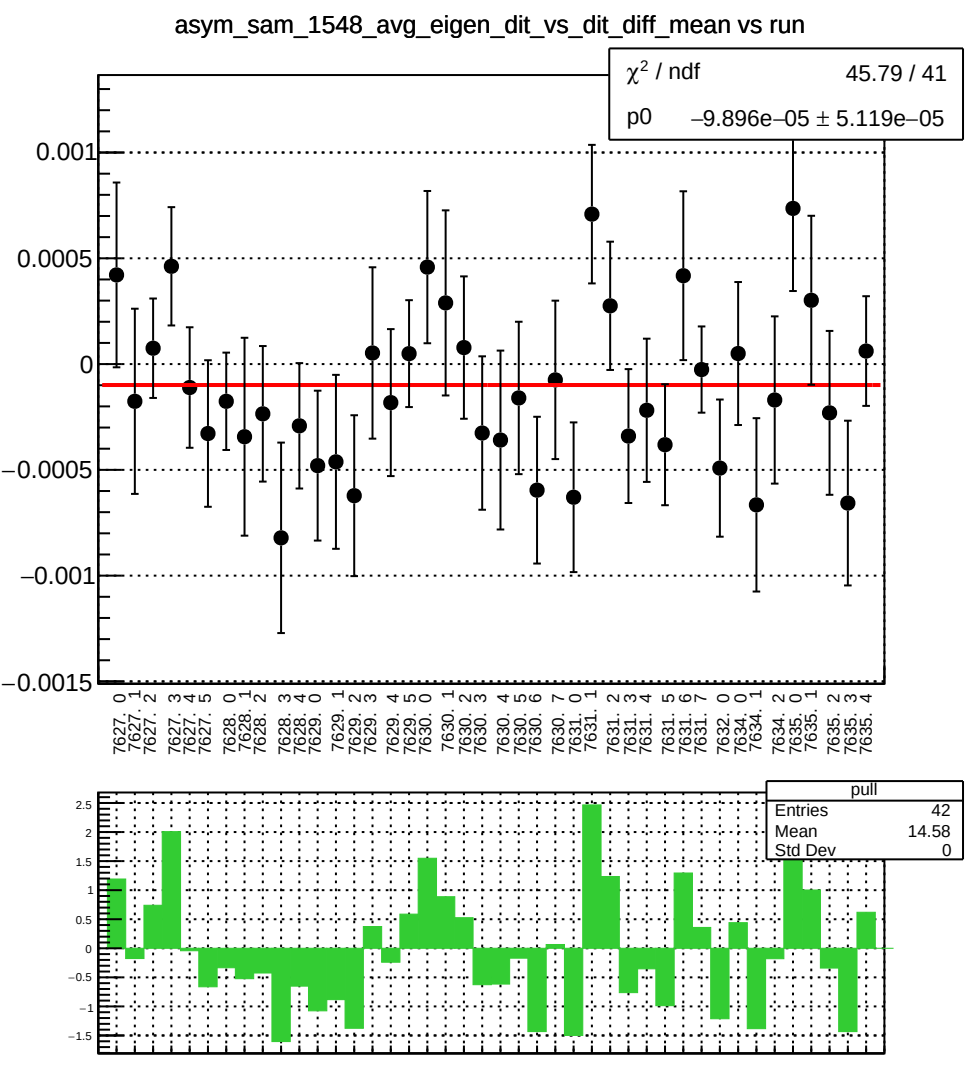

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.06 / 41
p0 0.4954 ± 0.3617
pull
Entries 42
Mean 25.46
Std Dev 0

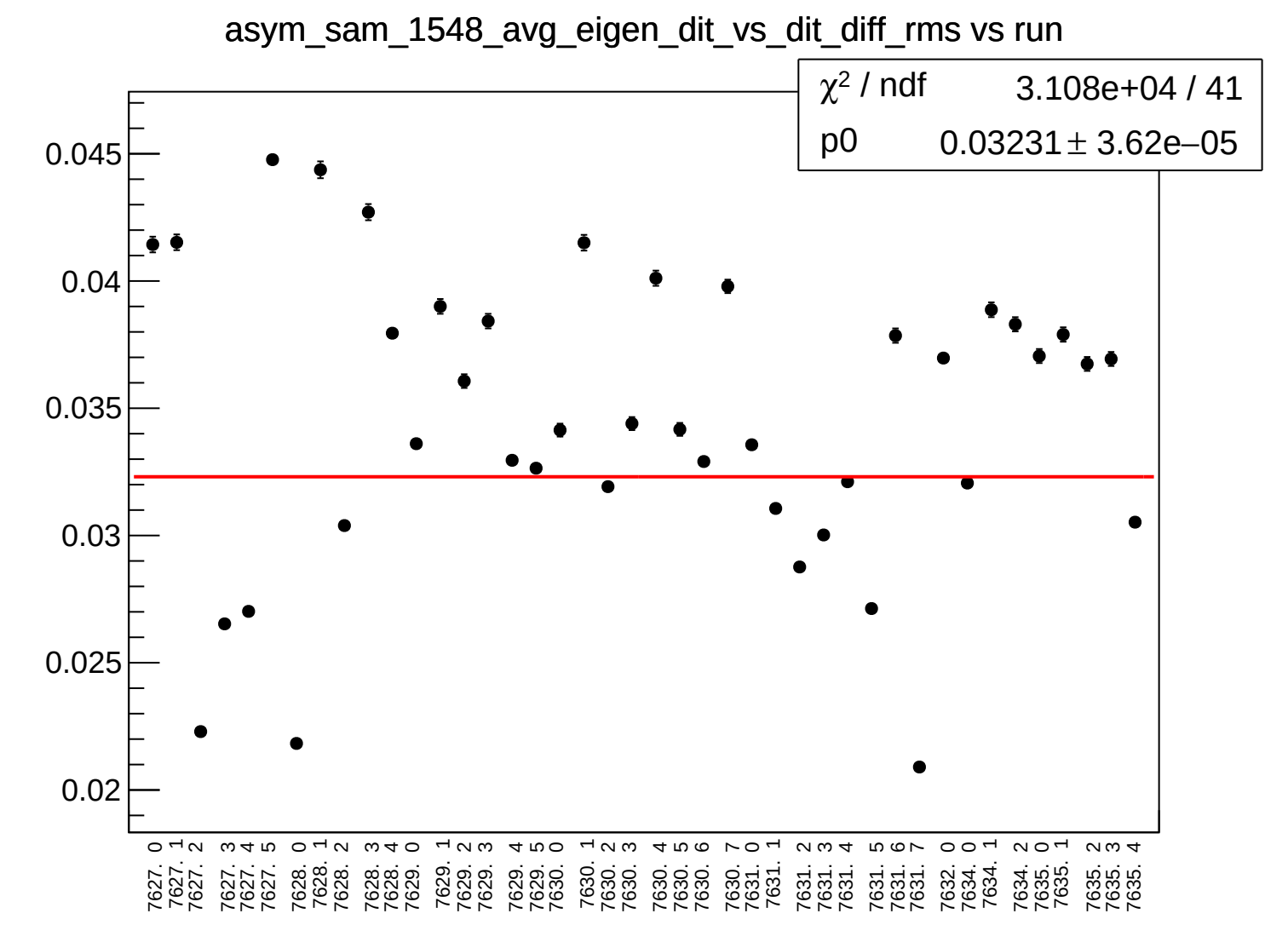

pull1D
Entries 42
Mean 0.1033
Std Dev 1.201

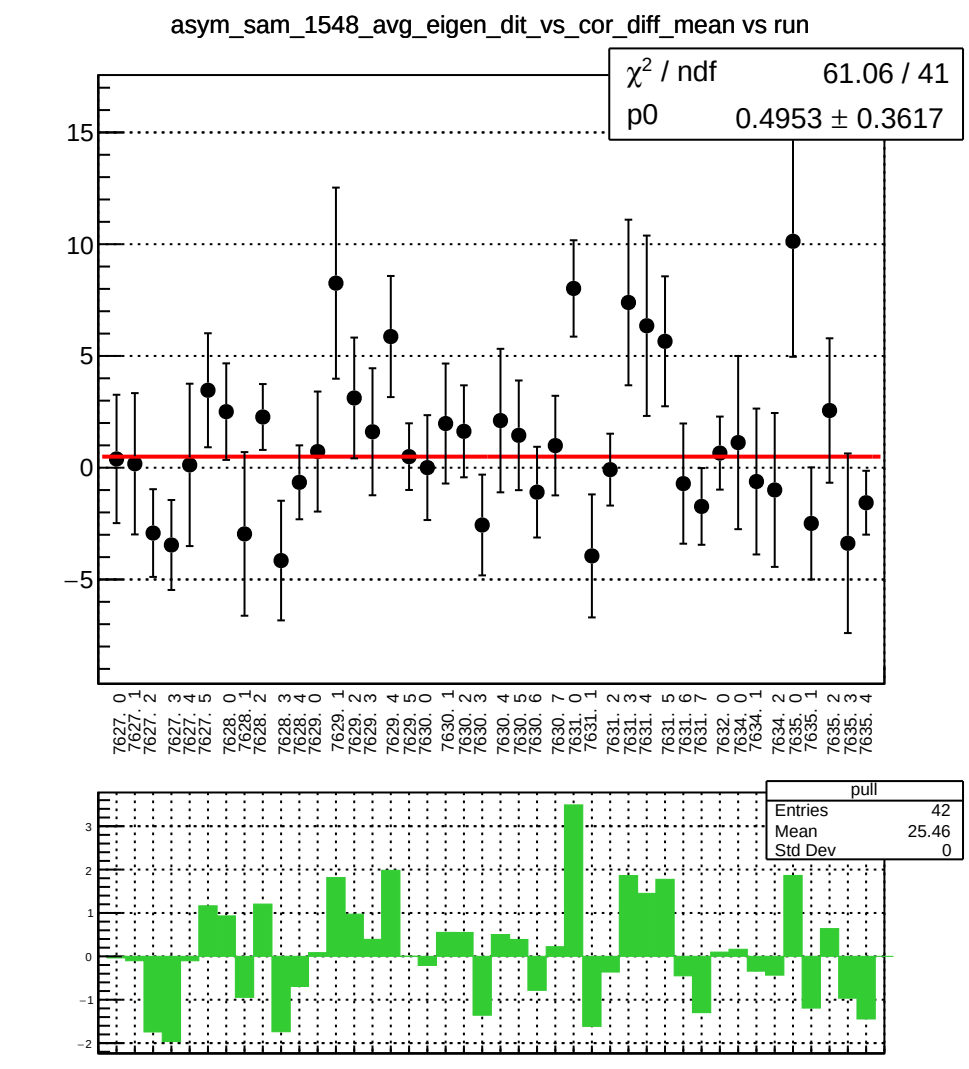

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.874e+04 / 41
p0 224.3 ± 0.2558
500
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

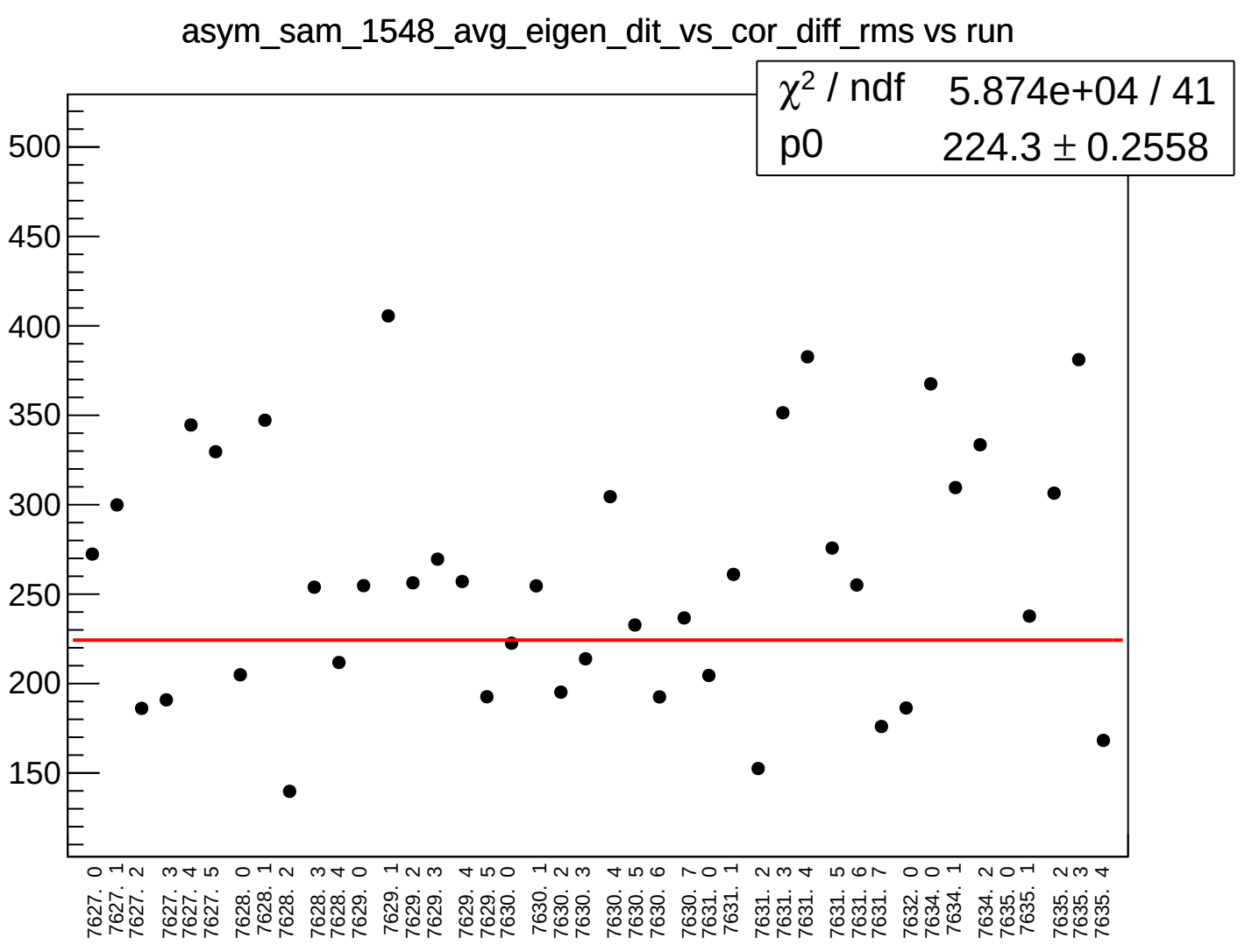

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.06 / 41
p0 0.4954 ± 0.3617
15
10
5
0
−5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.46
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.1033
Std Dev 1.201
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

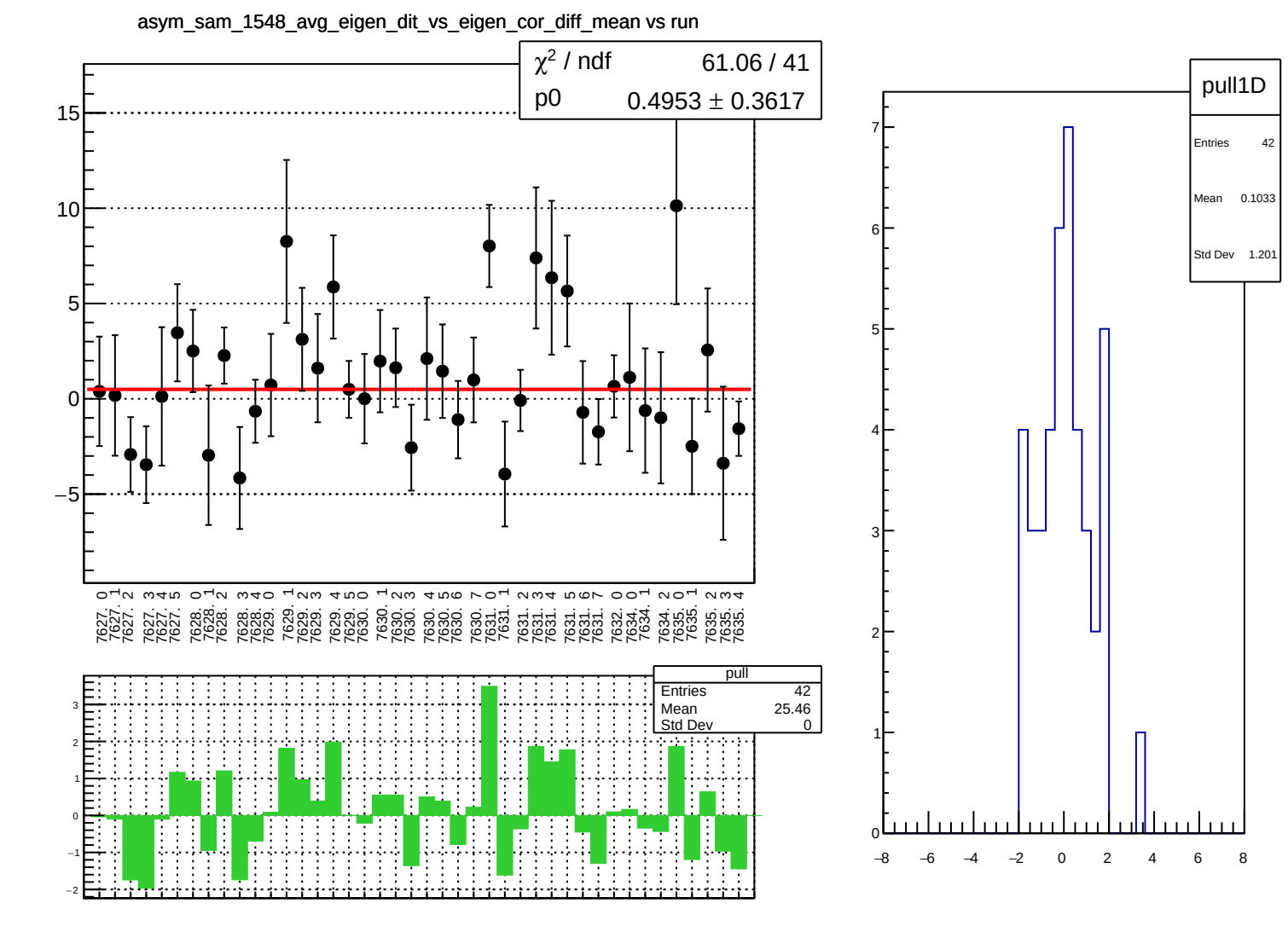

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.874e+04 / 41
p0 224.3 ± 0.2558
500
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

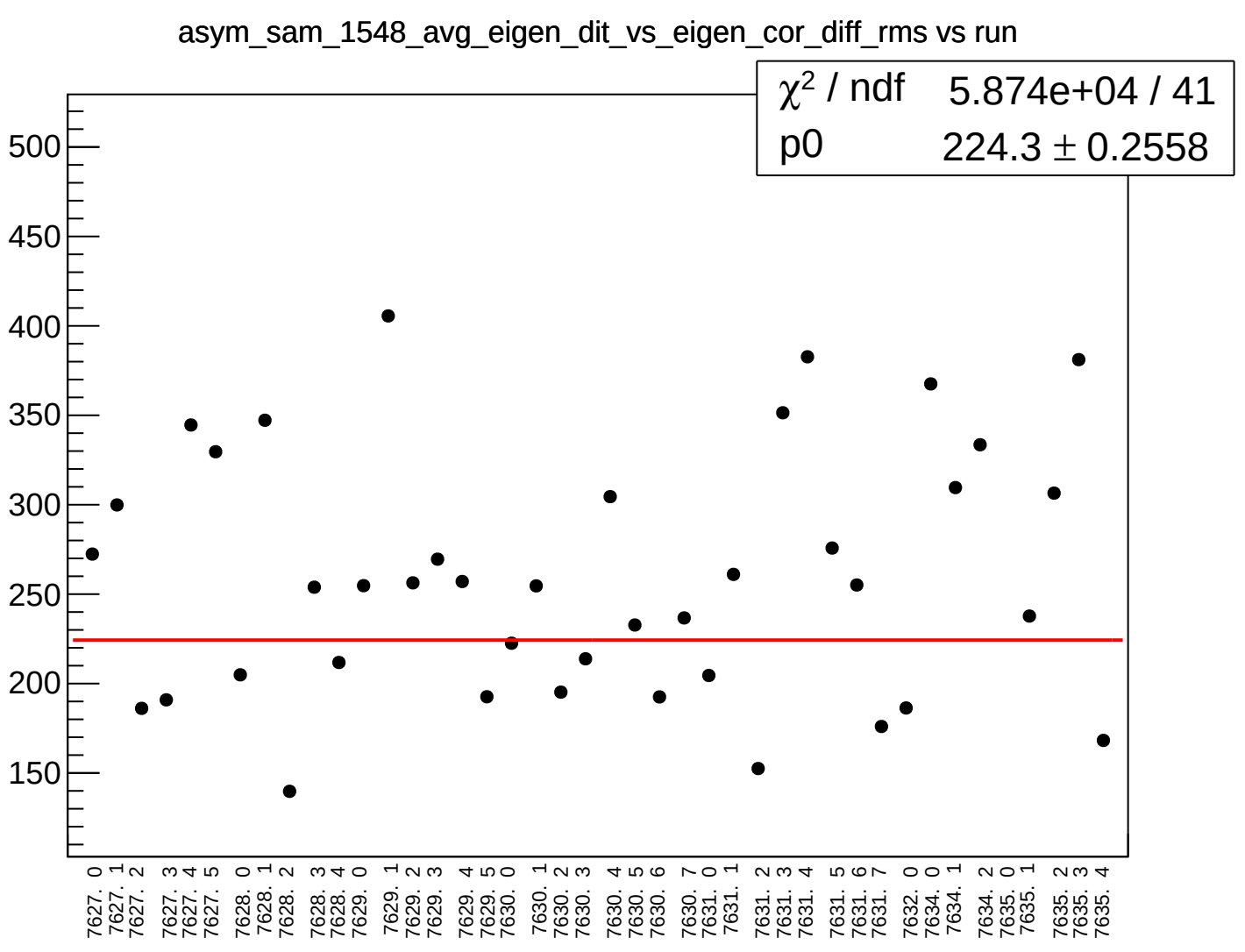

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 45.79 / 41
p0 −9.896e−05 ± 5.119e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 14.58
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03573
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

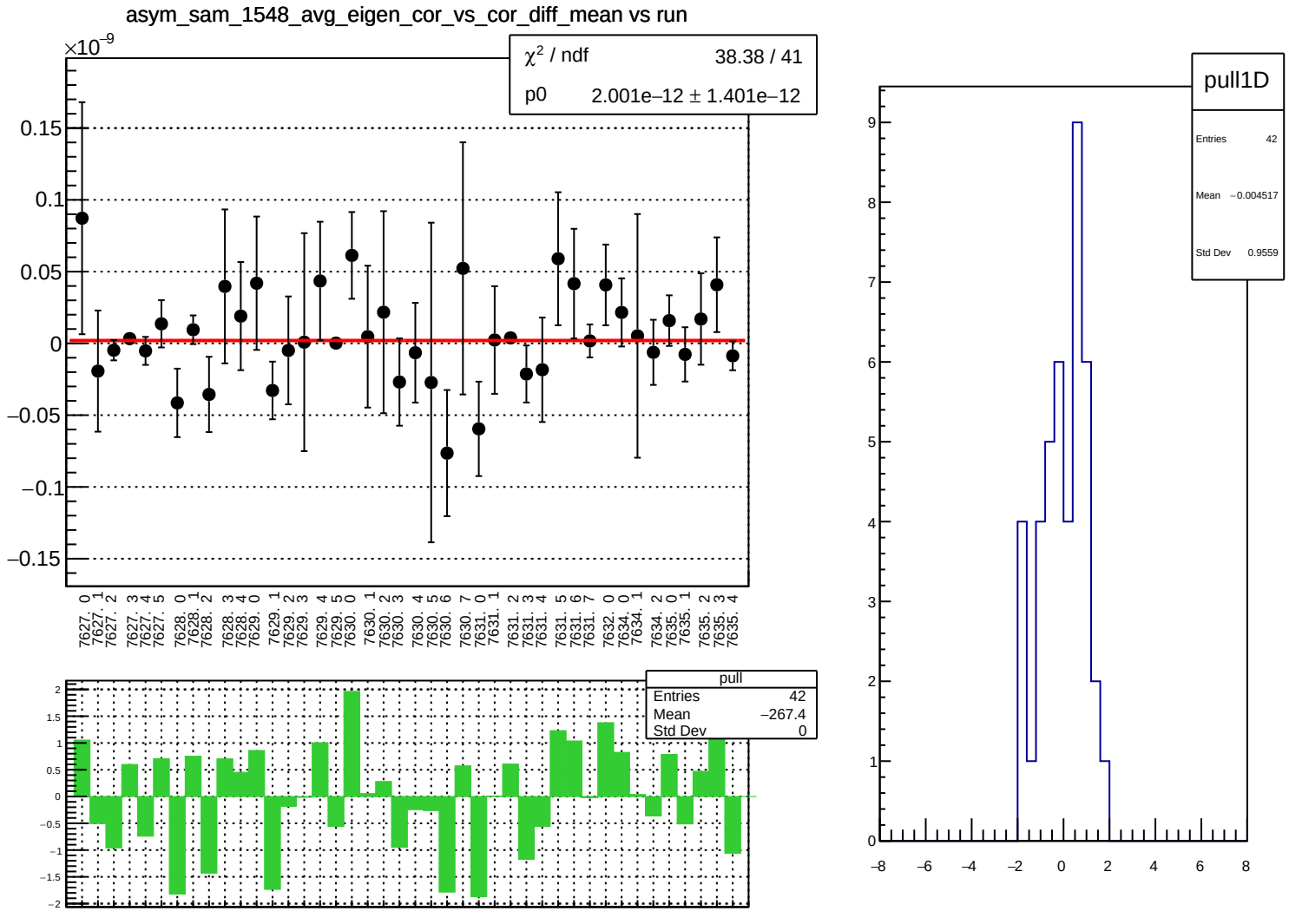

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.108e+04 / 41
p0 0.03231 ± 3.62e−05
0.045
0.04
0.035
0.03
0.025
0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

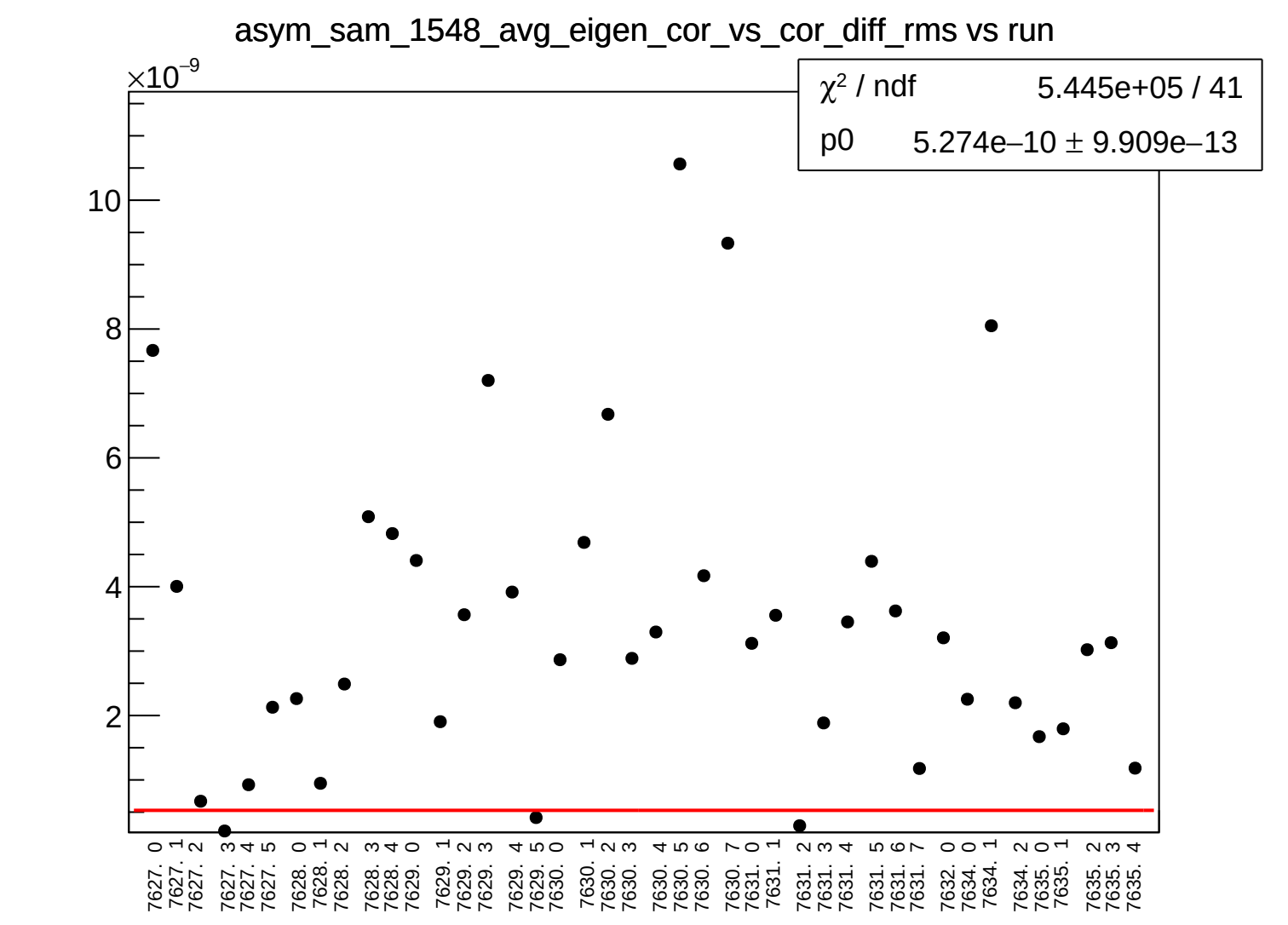

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.06 / 41
p0 0.4953 ± 0.3617
15
10
5
0
−5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 25.46
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.1033
Std Dev 1.201
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

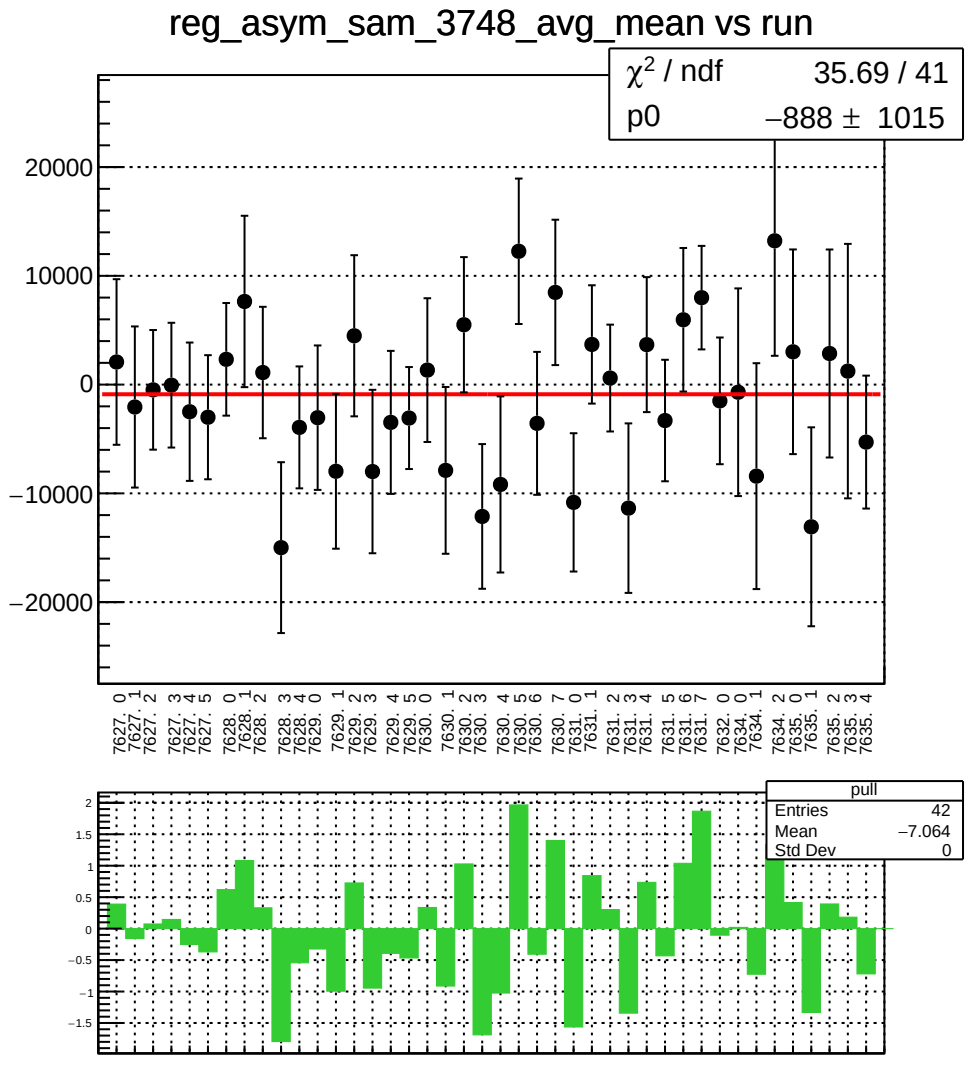

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.874e+04 / 41
p0 224.3 ± 0.2558
500
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

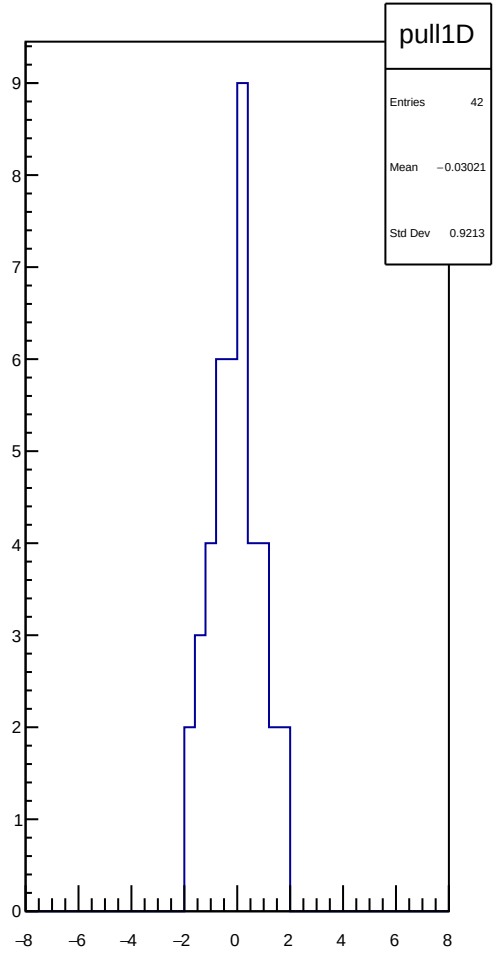

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.06 / 41
p0 0.4953 ± 0.3617
pull
Entries 42
Mean 25.46
Std Dev 0
pull1D
Entries 42
Mean 0.1033
Std Dev 1.201

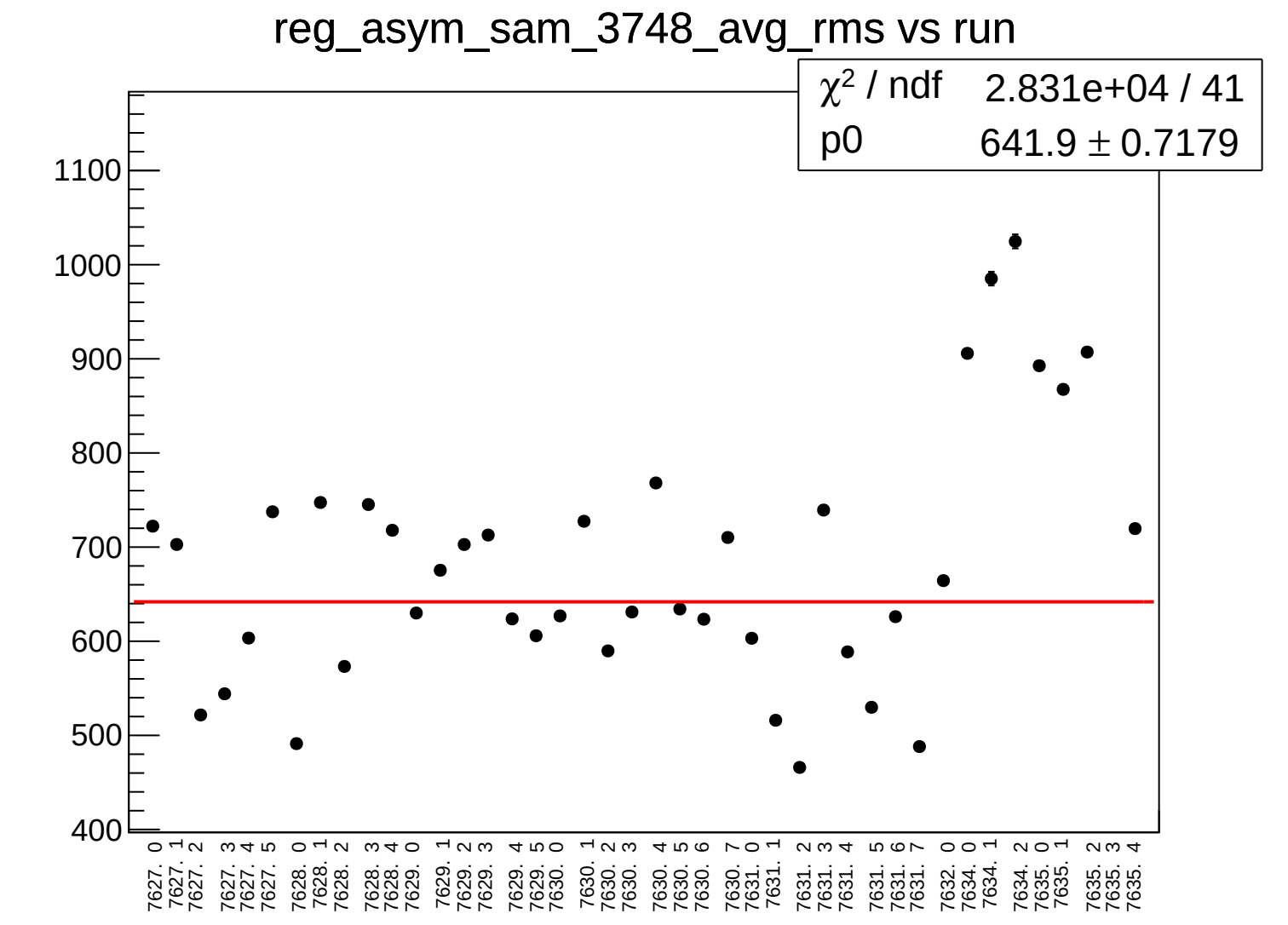

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.874e+04 / 41
p0 224.3 ± 0.2558
500
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

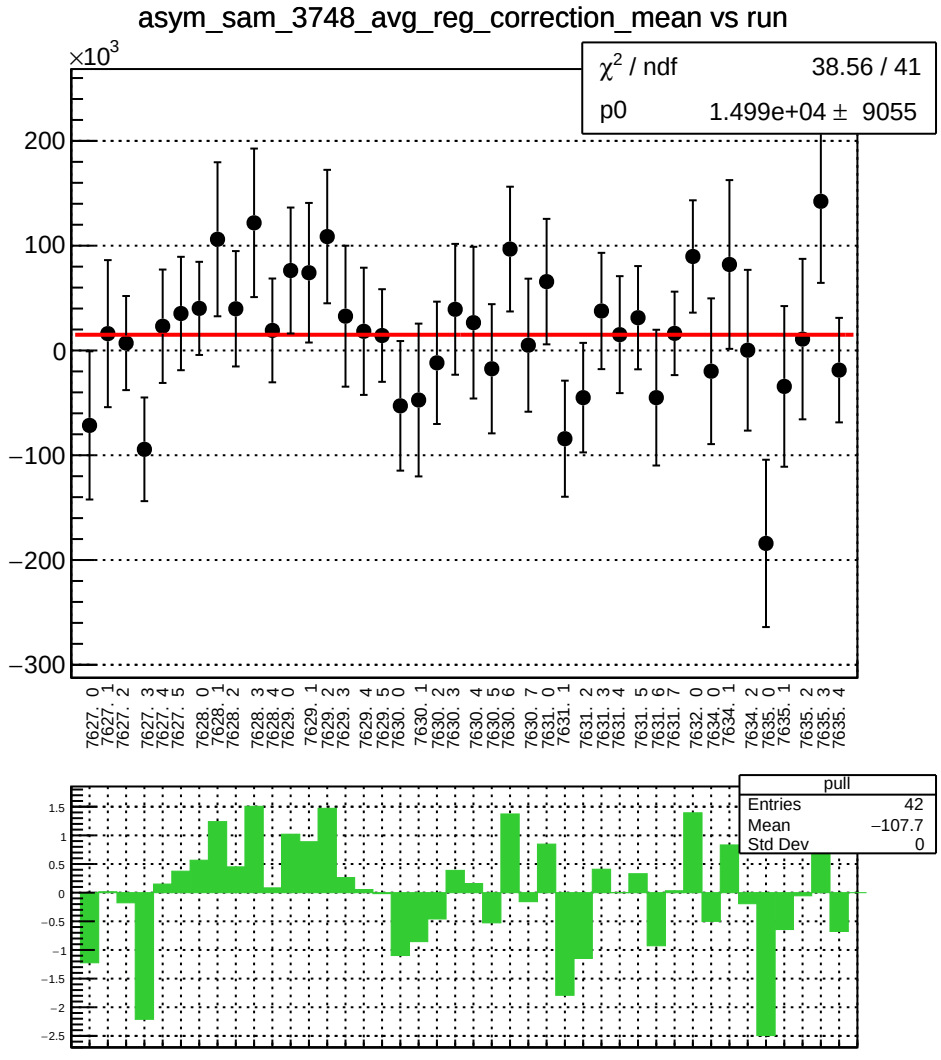

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 38.38 / 41
p0 2.001e−12 ± 1.401e−12
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −267.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.004517
Std Dev 0.9559
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

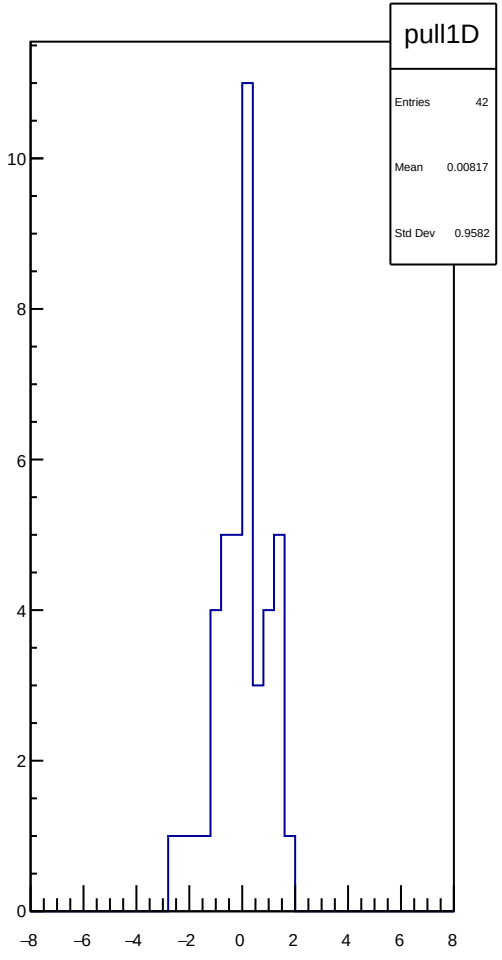

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.445e+05 / 41
p0 5.274e−10 ± 9.909e−13
10
8
6
4
2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

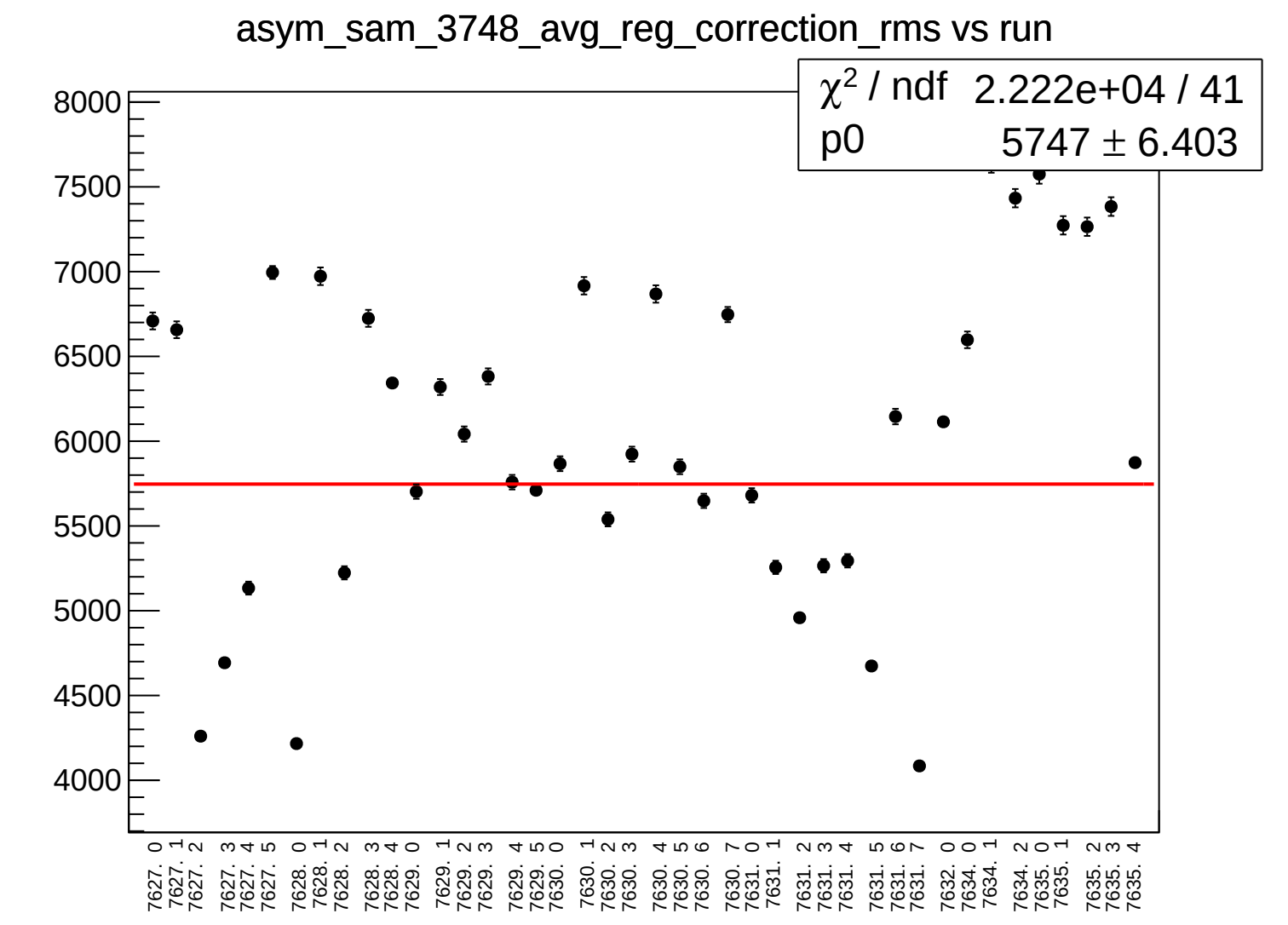

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 35.69 / 41
p0 −888 ± 1015
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.064
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

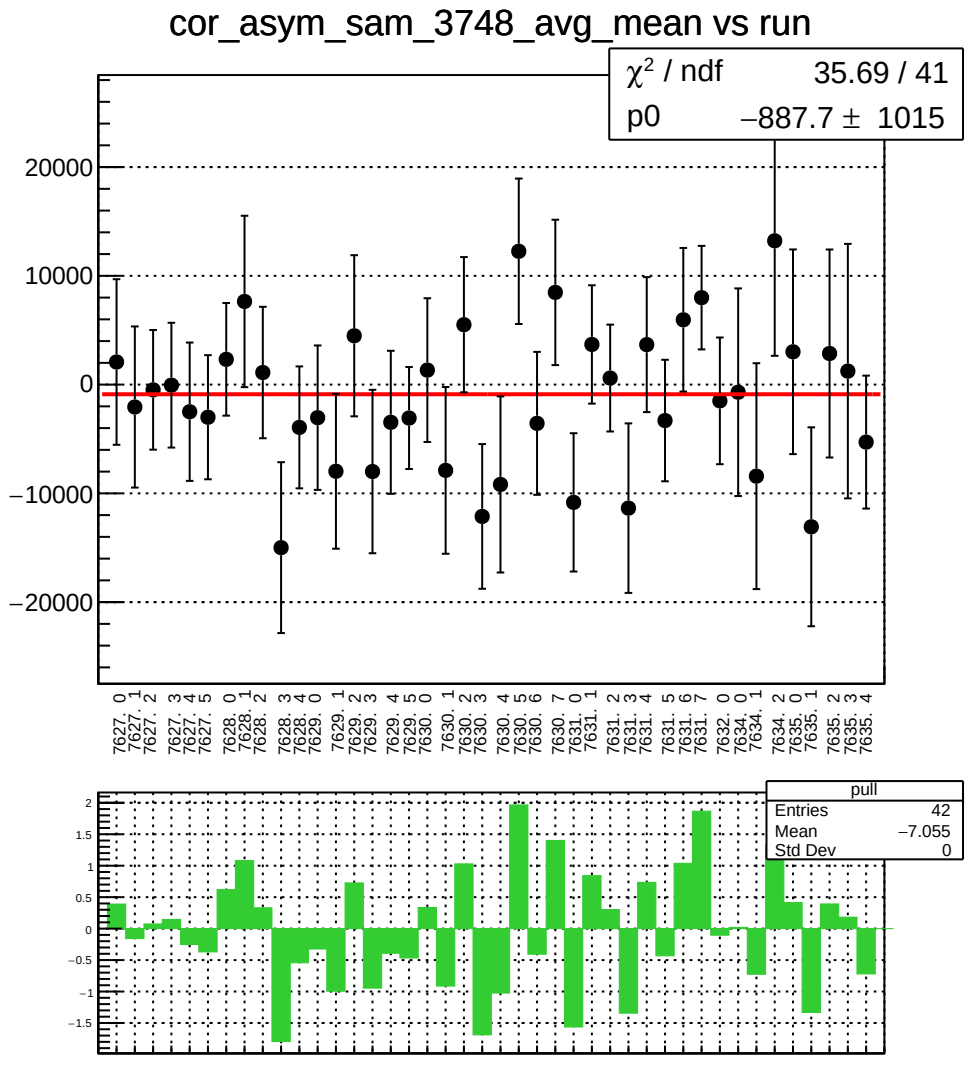

pull1D
Entries 42
Mean −0.03021
Std Dev 0.9213
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

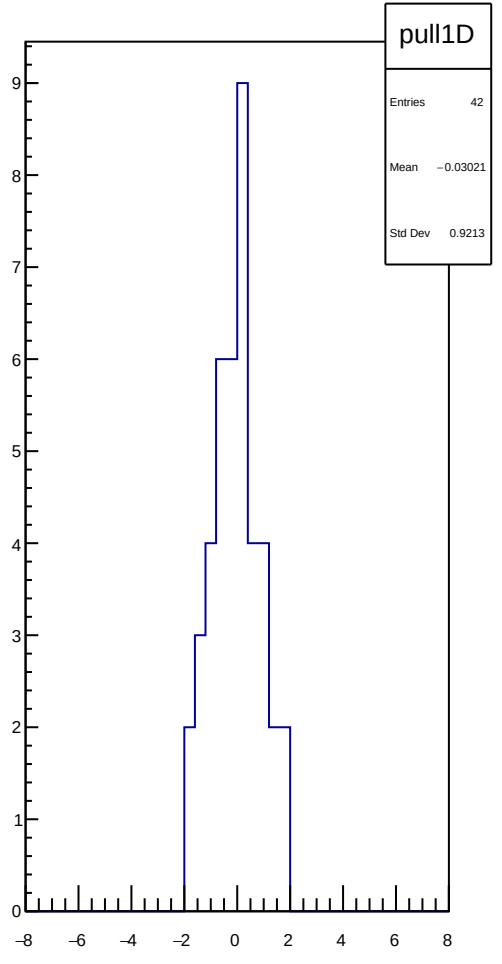

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 2.831e+04 / 41
p0 641.9 ± 0.7179
1100
1000
900
800
700
600
500
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

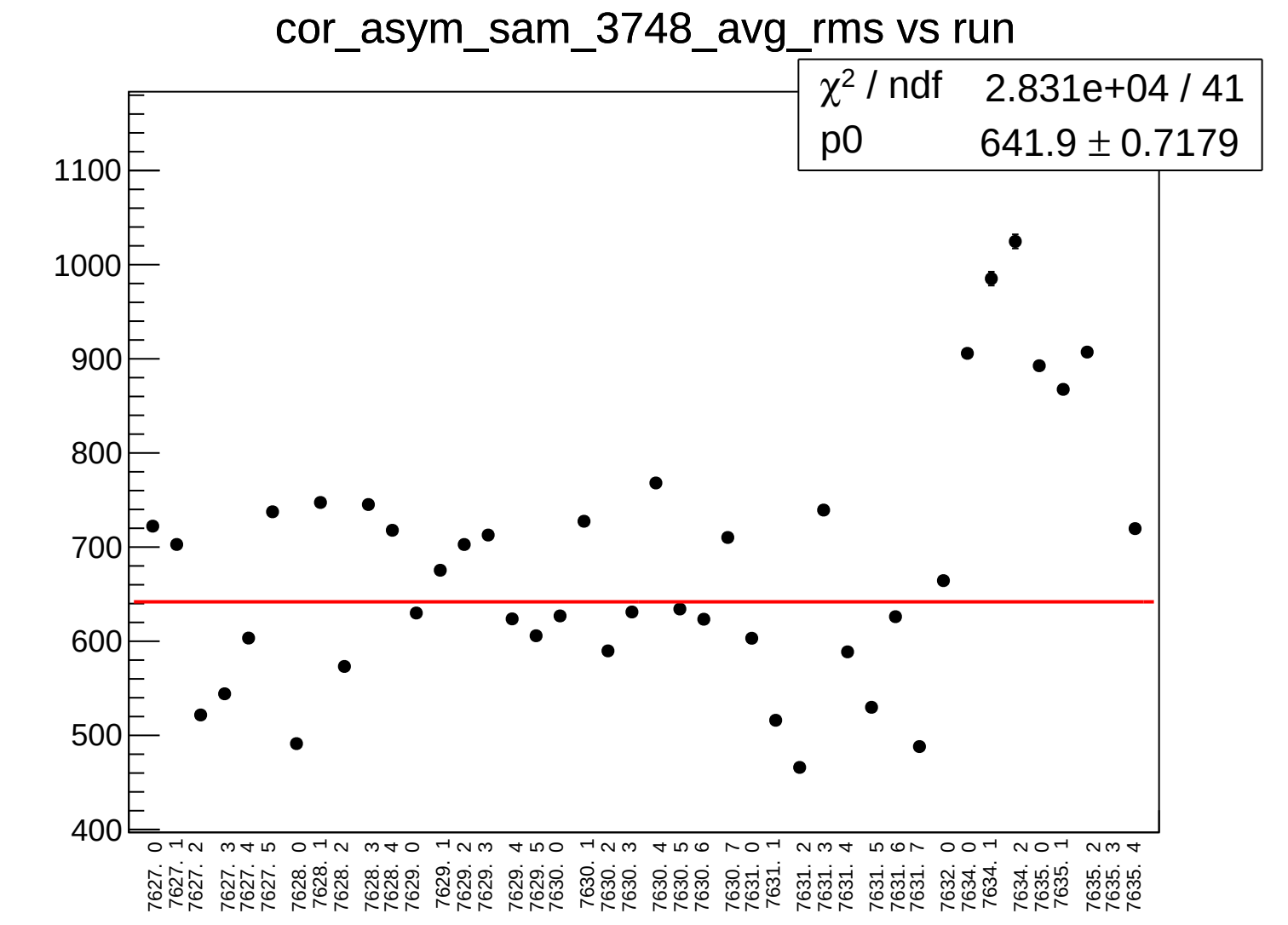

asym_sam_3748_avg_reg_correction_mean vs run
×10^3
χ² / ndf 38.56 / 41
p0 1.499e+04 ± 9055
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −107.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

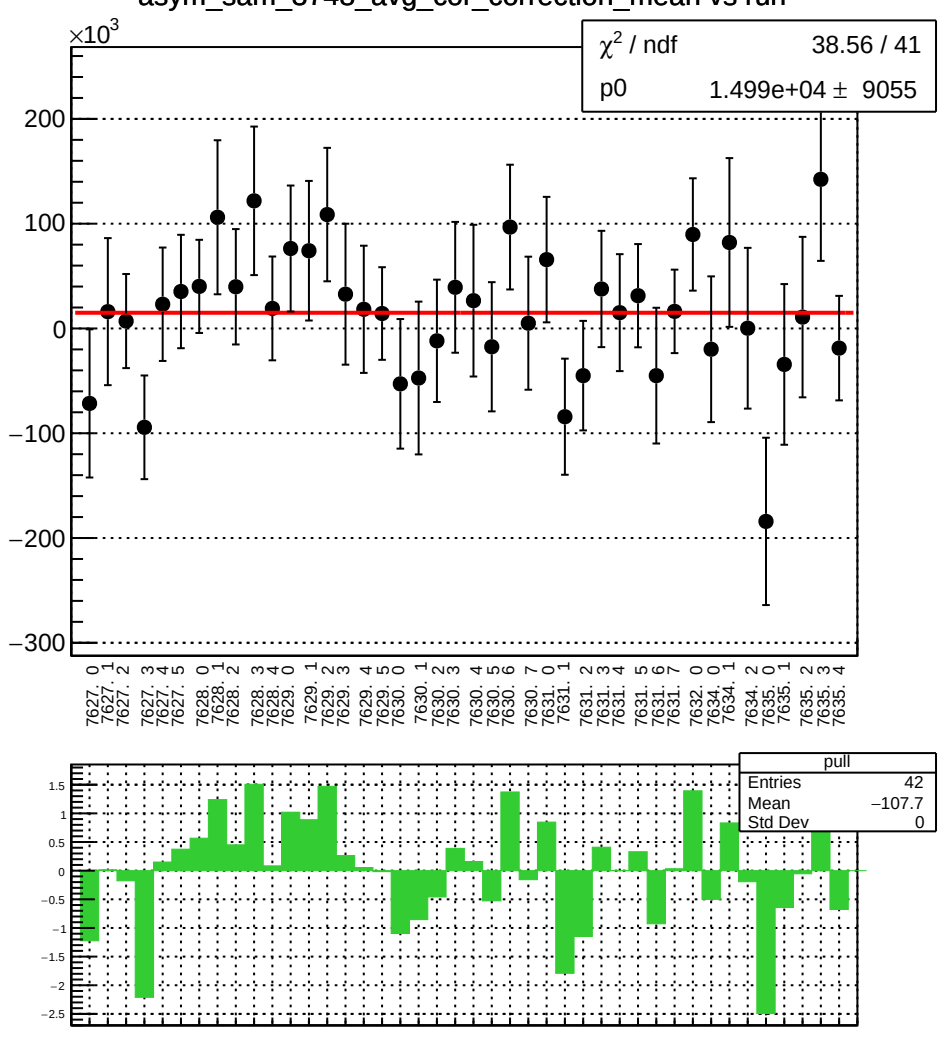

pull1D
Entries 42
Mean 0.00817
Std Dev 0.9582
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

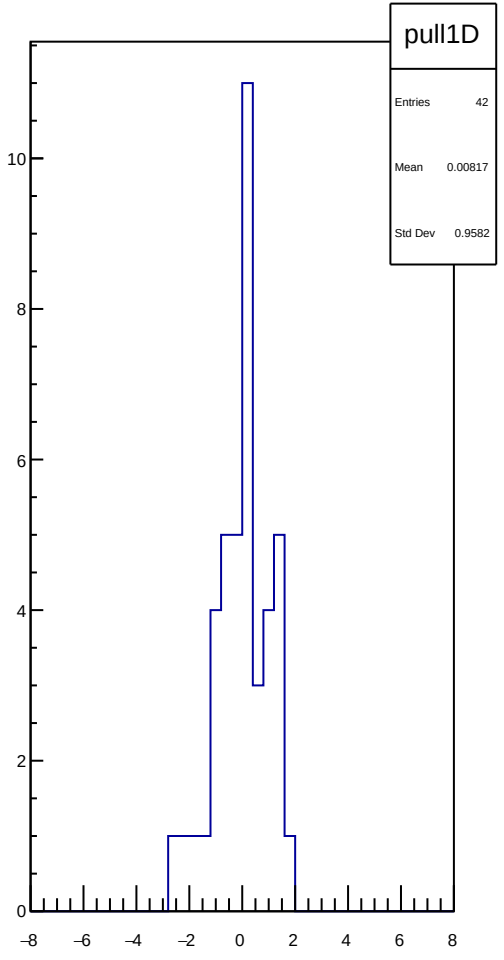

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 2.222e+04 / 41
p0 5747 ± 6.403
8000
7500
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

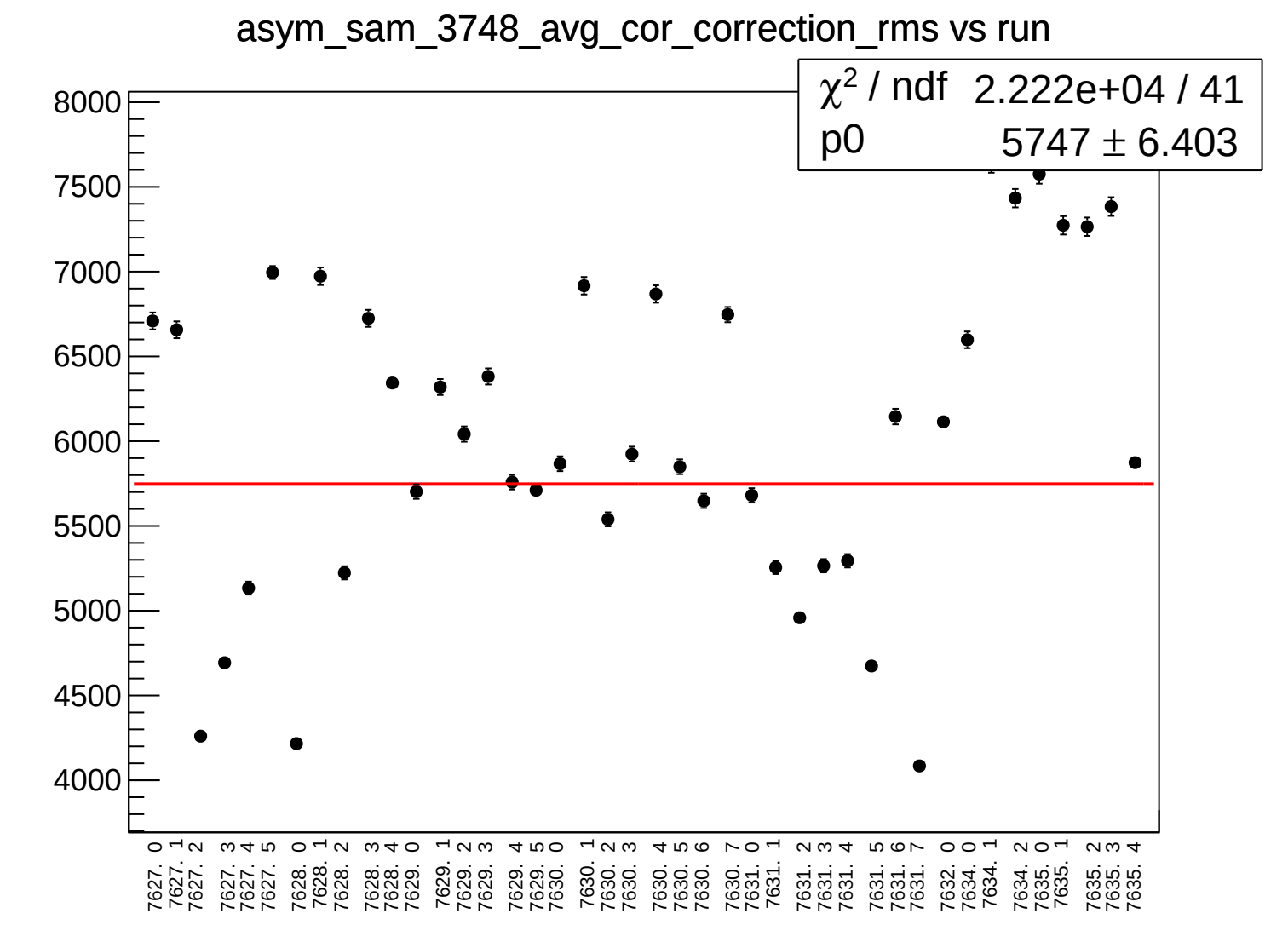

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 35.69 / 41
p0 −887.7 ± 1015
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.055
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

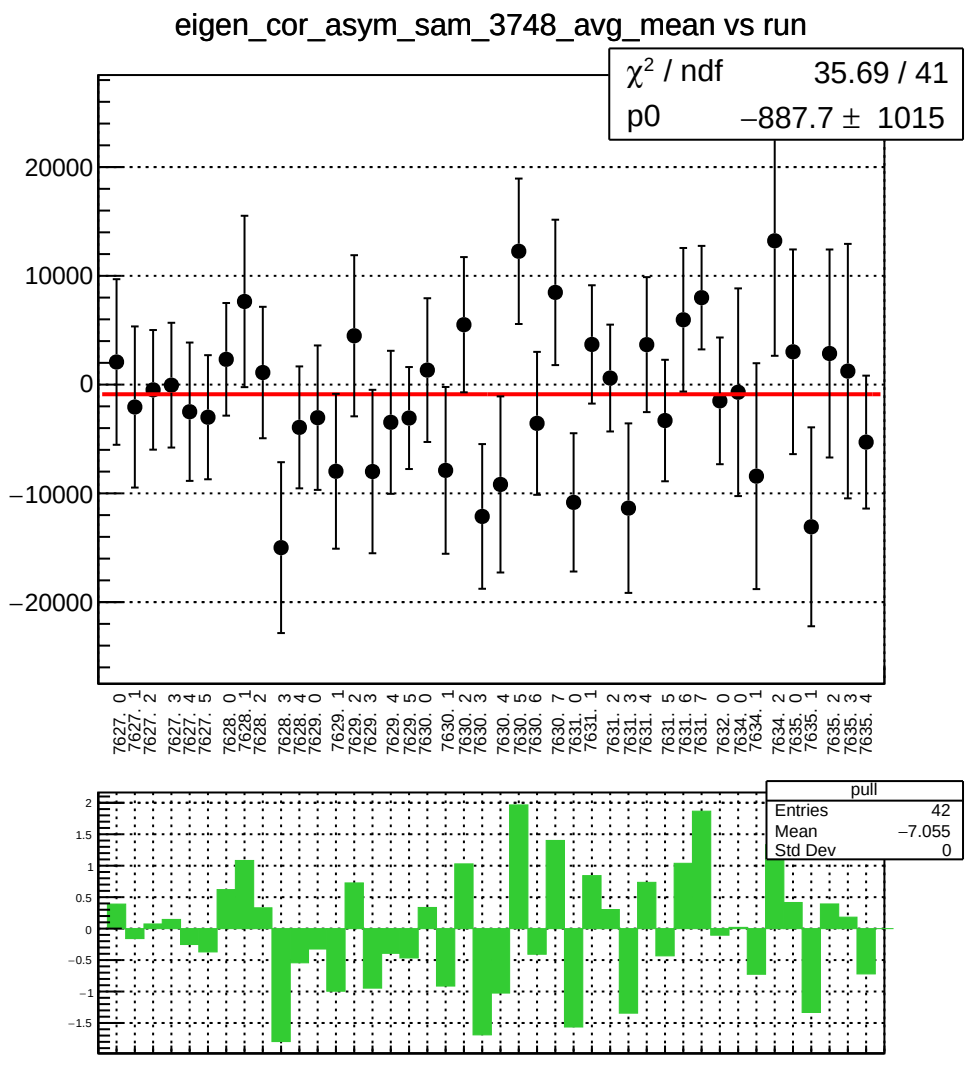

pull1D
Entries 42
Mean −0.03021
Std Dev 0.9213
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

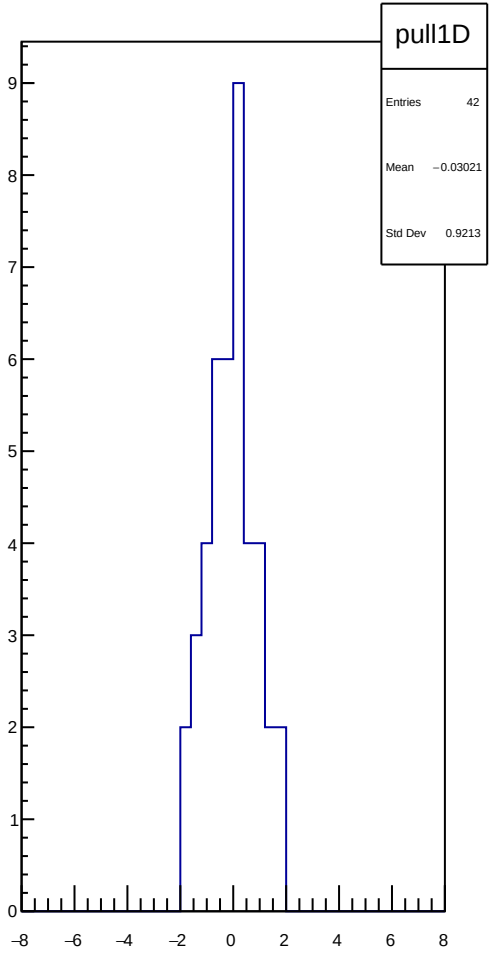

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 2.831e+04 / 41
p0 641.9 ± 0.7179
1100
1000
900
800
700
600
500
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

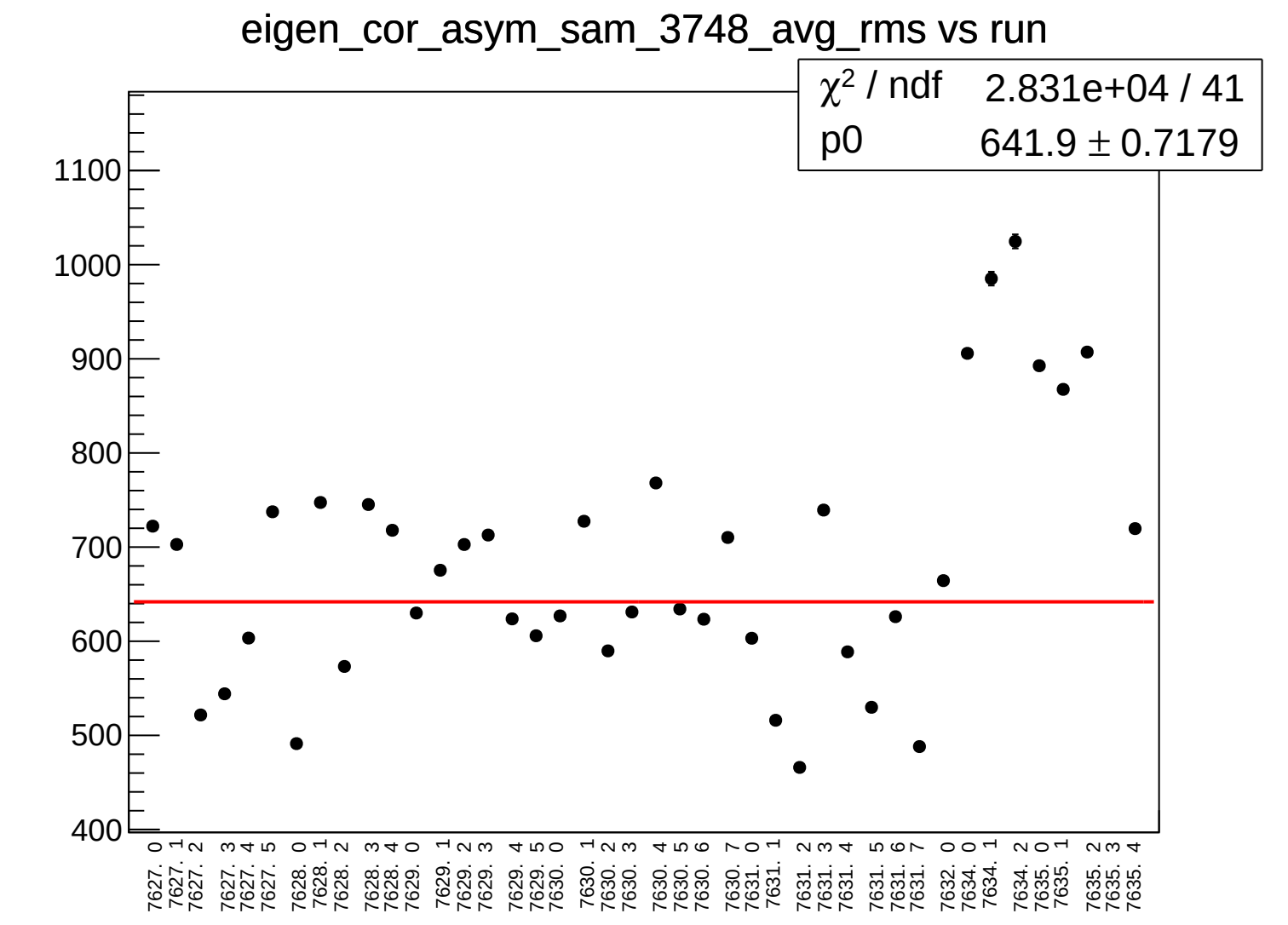

asym_sam_3748_avg_cor_correction_mean vs run
×10^3
χ² / ndf 38.56 / 41
p0 1.499e+04 ± 9055
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −107.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

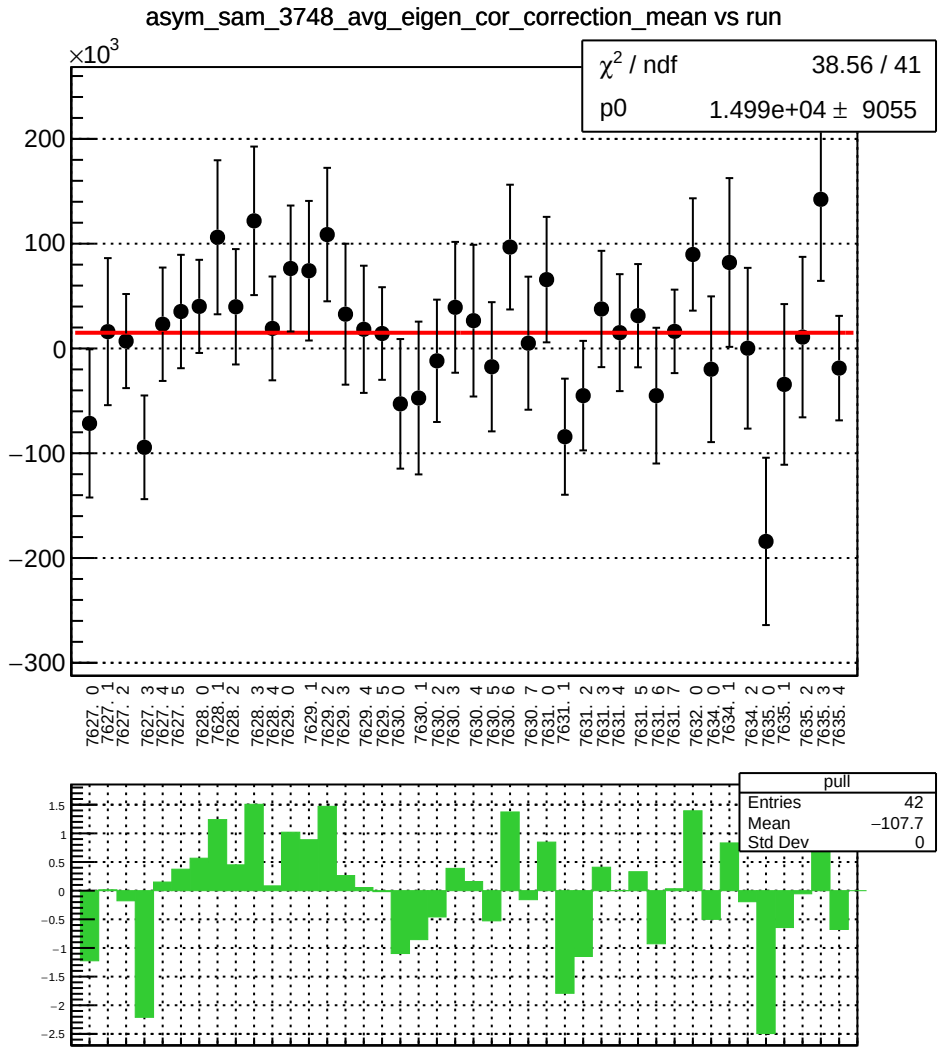

pull1D
Entries 42
Mean 0.00817
Std Dev 0.9582
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

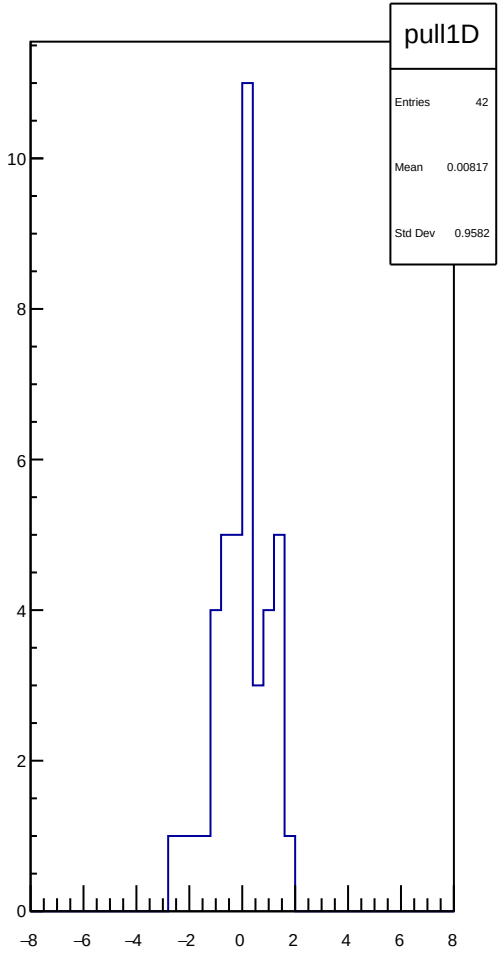

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 2.222e+04 / 41
p0 5747 ± 6.403
8000
7500
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

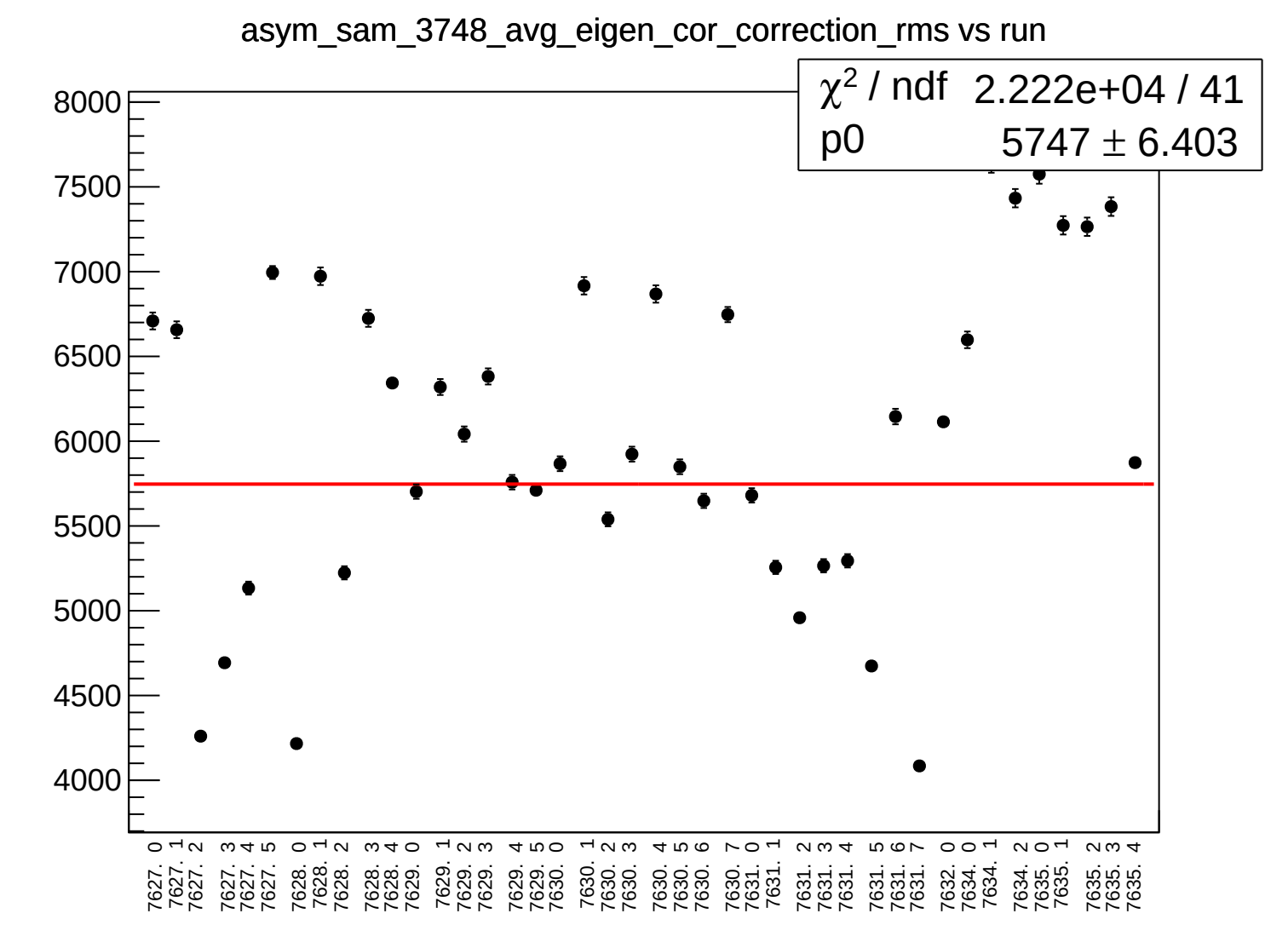

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 35.69 / 41
p0 −887.7 ± 1015
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.055
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

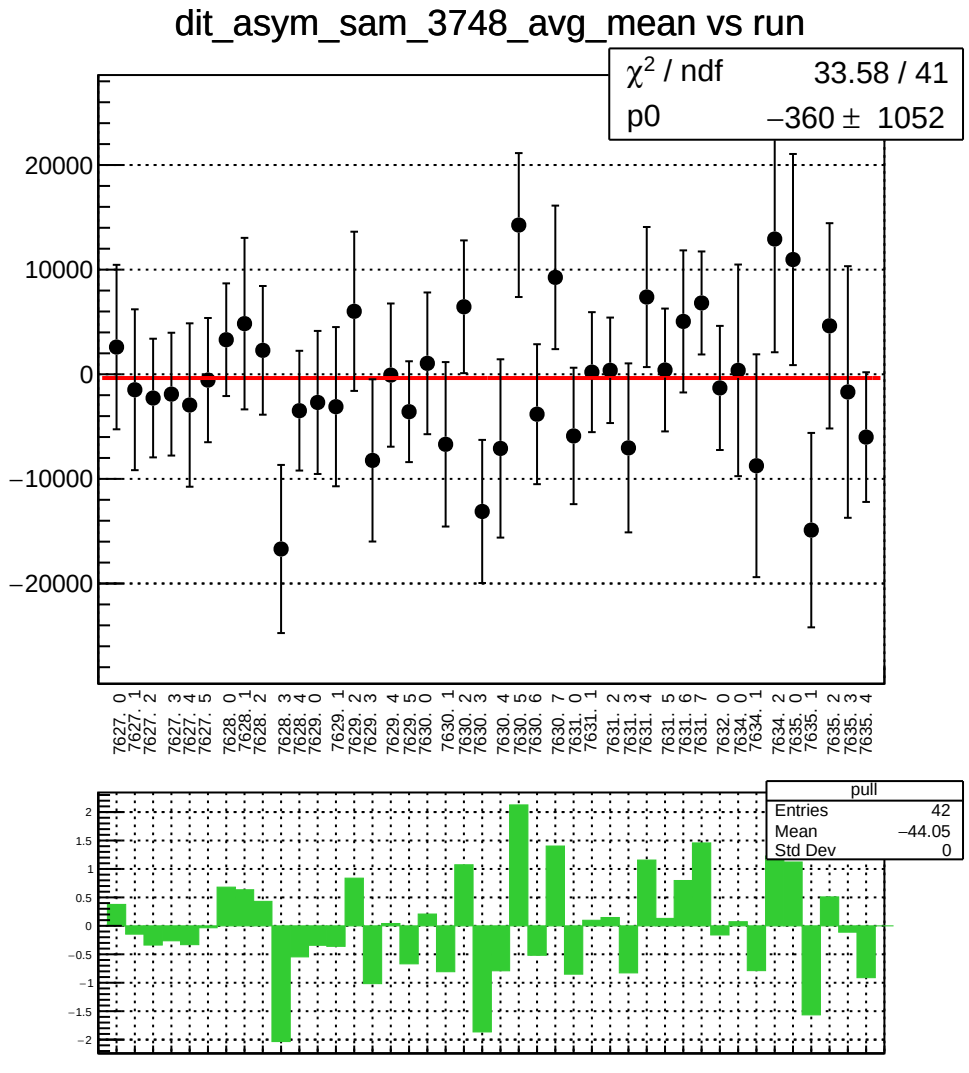

pull1D
Entries 42
Mean −0.03021
Std Dev 0.9213
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

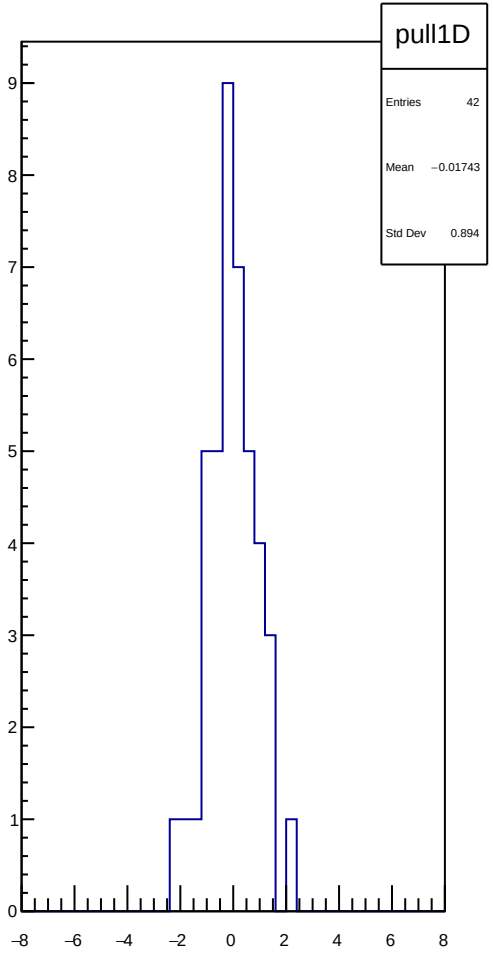

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 2.831e+04 / 41
p0 641.9 ± 0.7179
1100
1000
900
800
700
600
500
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

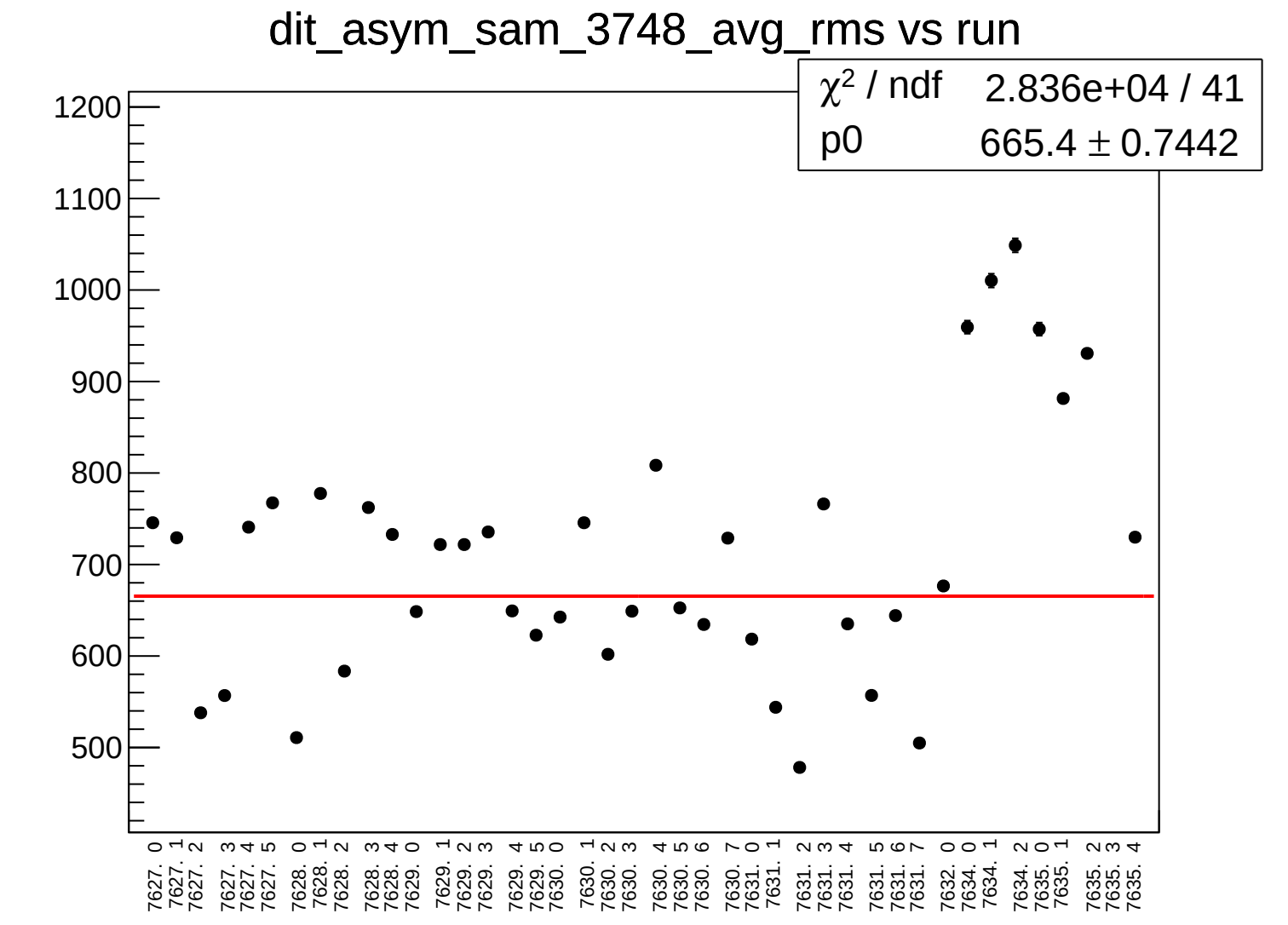

asym_sam_3748_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 38.56 / 41
p0 1.499e+04 ± 9055
200
100
0
−100
−200
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −107.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

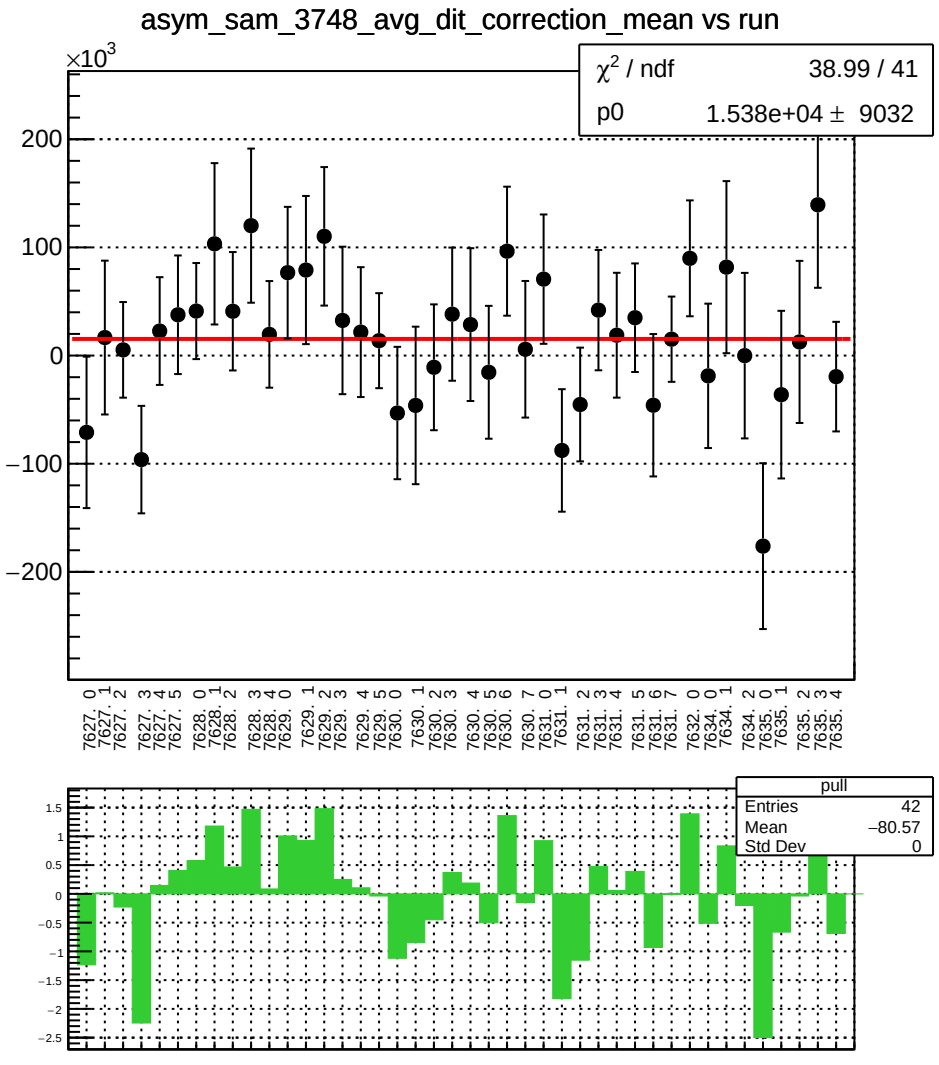

pull1D
Entries 42
Mean 0.00817
Std Dev 0.9582
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

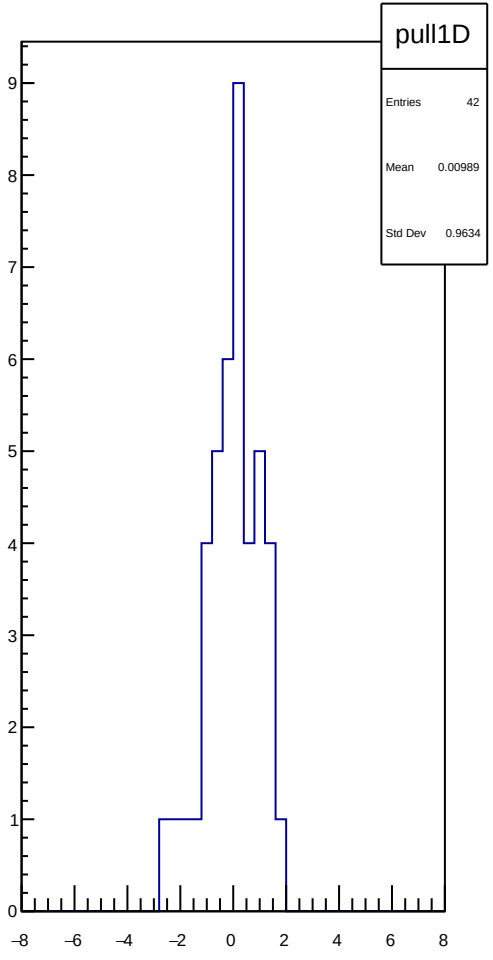

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.222e+04 / 41
p0 5747 ± 6.403
8000
7500
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

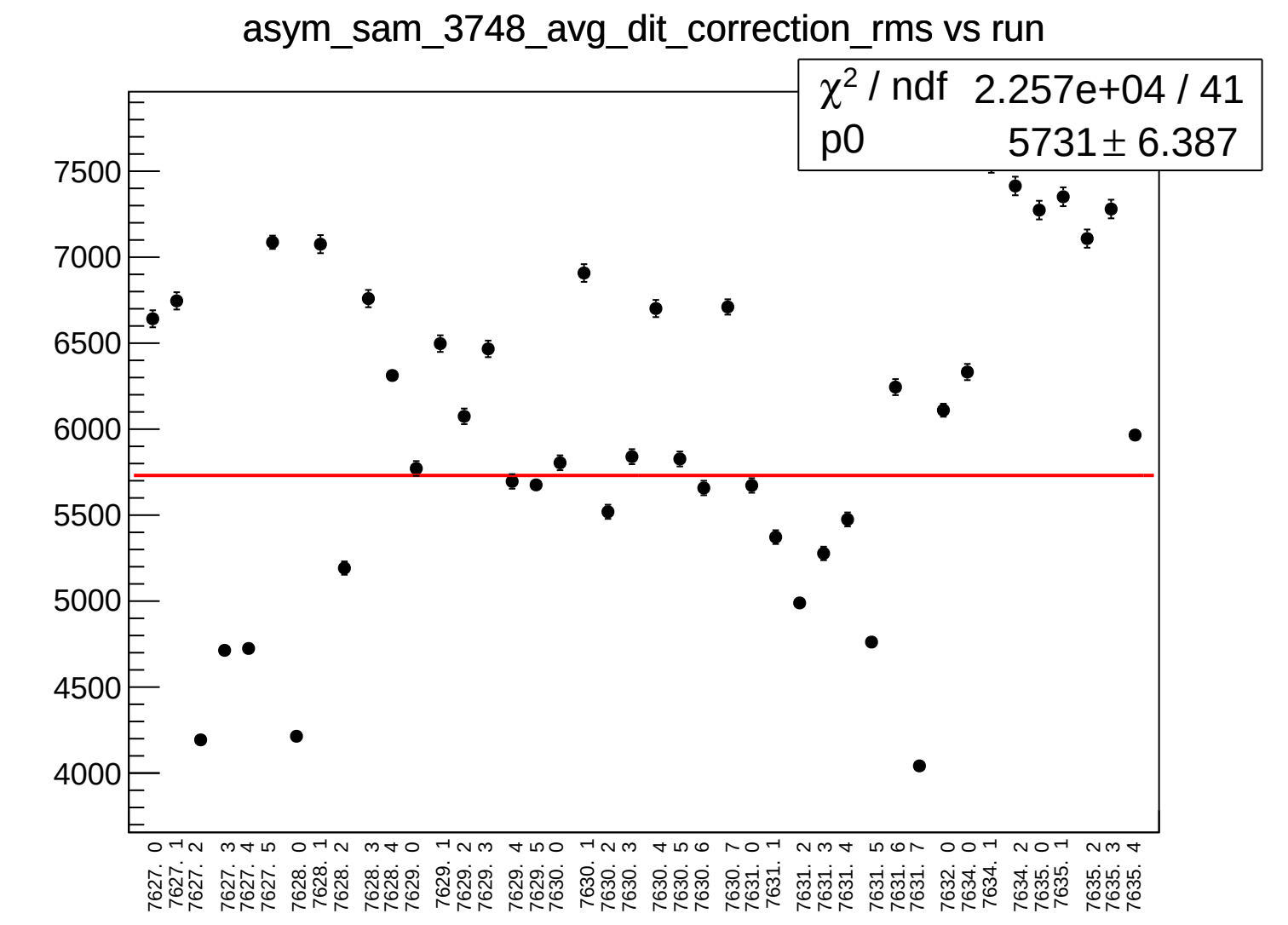

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 33.58 / 41
p0 −360 ± 1052
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −44.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

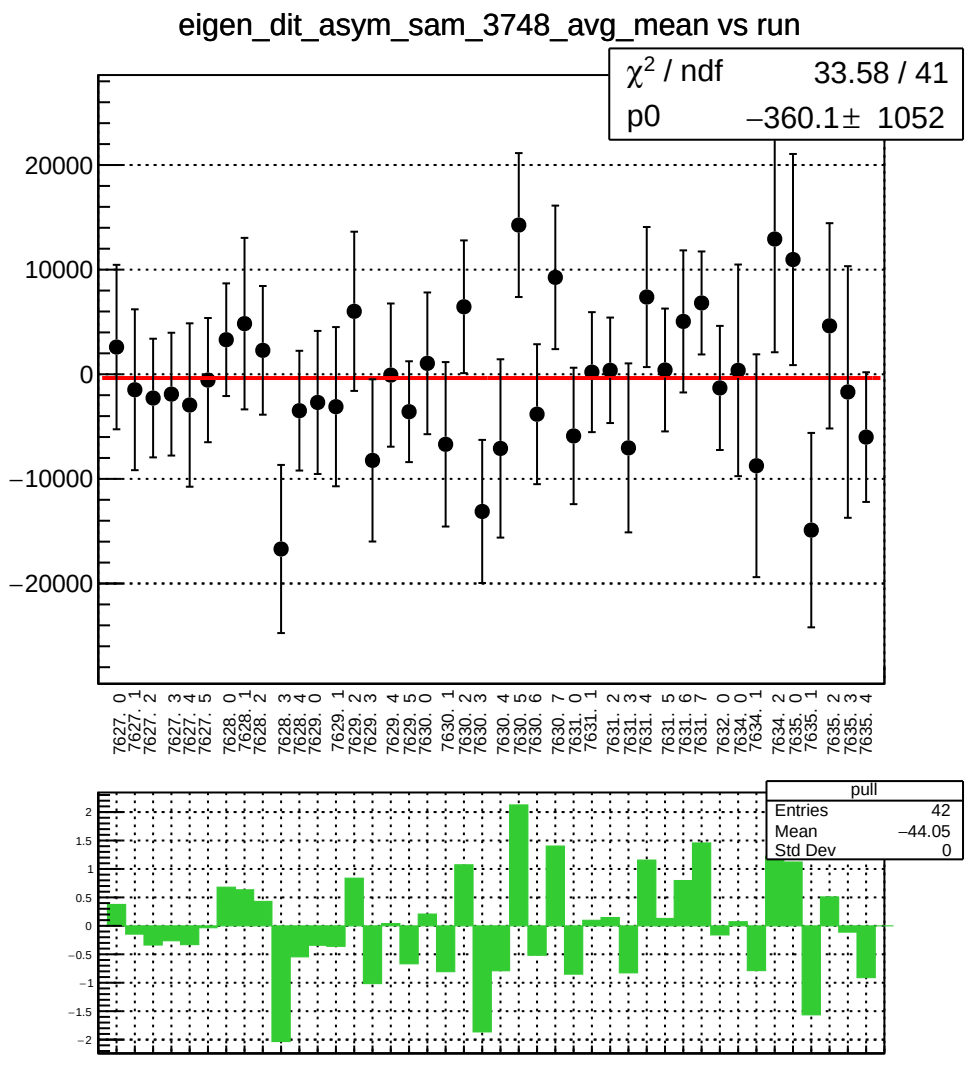

pull1D
Entries 42
Mean −0.01743
Std Dev 0.894
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

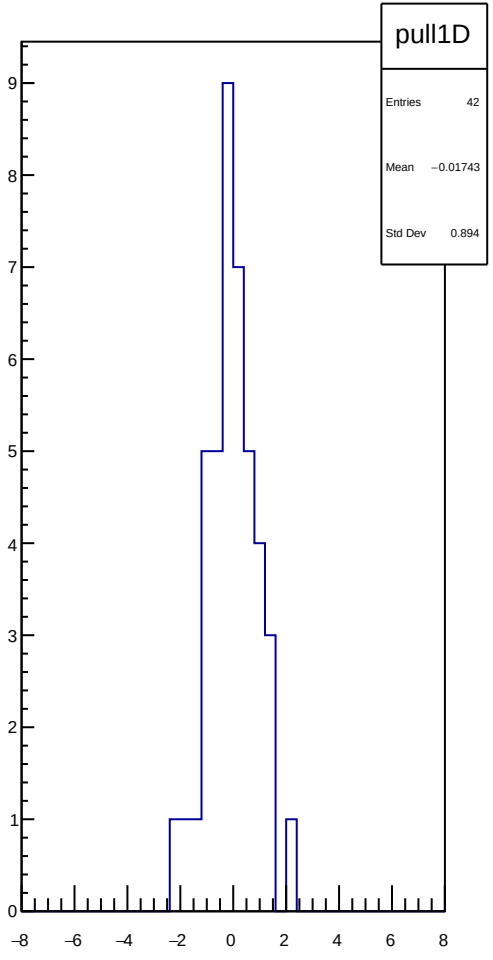

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.836e+04 / 41
p0 665.4 ± 0.7442
1200
1100
1000
900
800
700
600
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

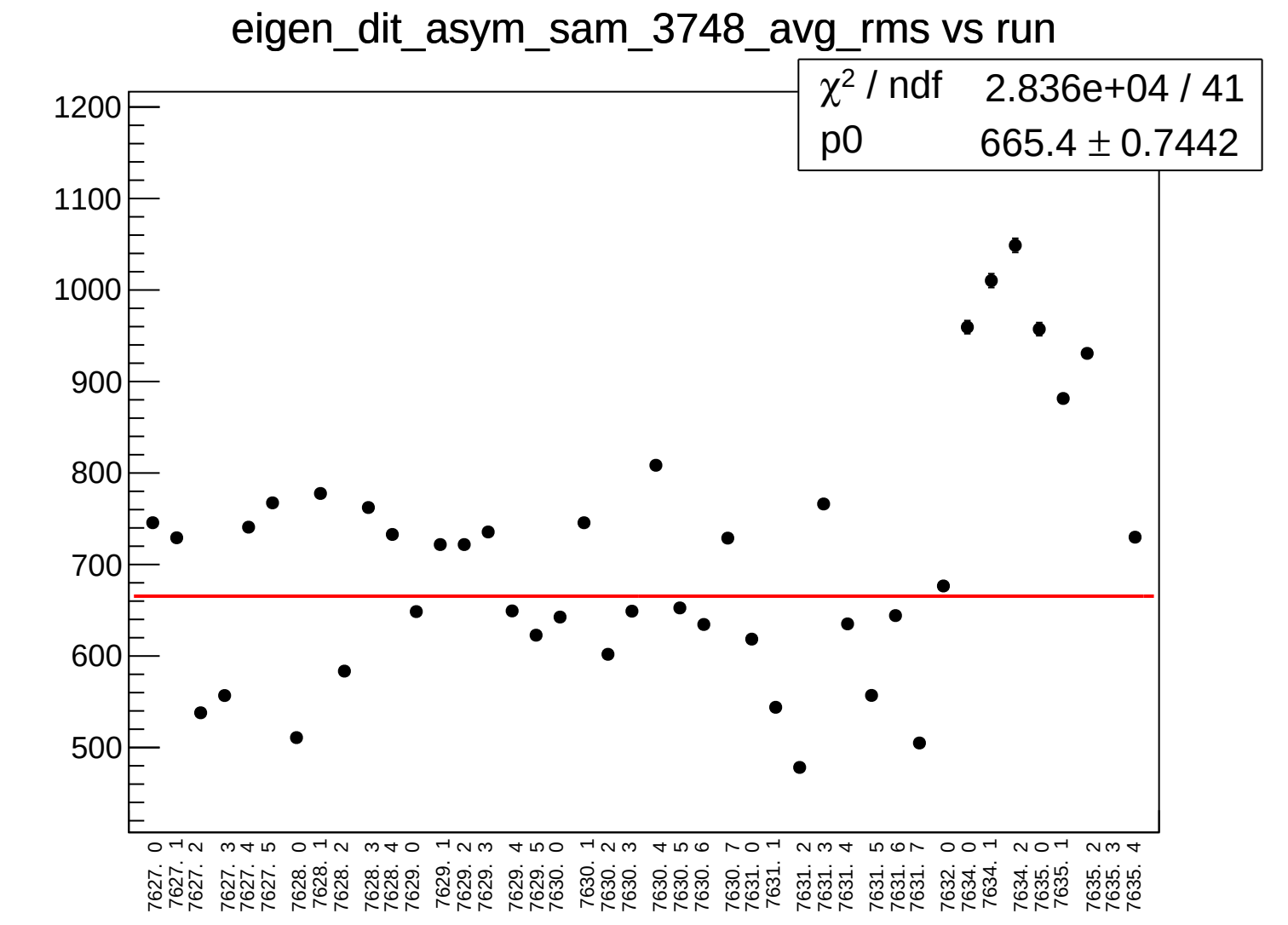

asym_sam_3748_avg_dit_correction_mean vs run
×10^3
χ² / ndf 38.99 / 41
p0 1.538e+04 ± 9032
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

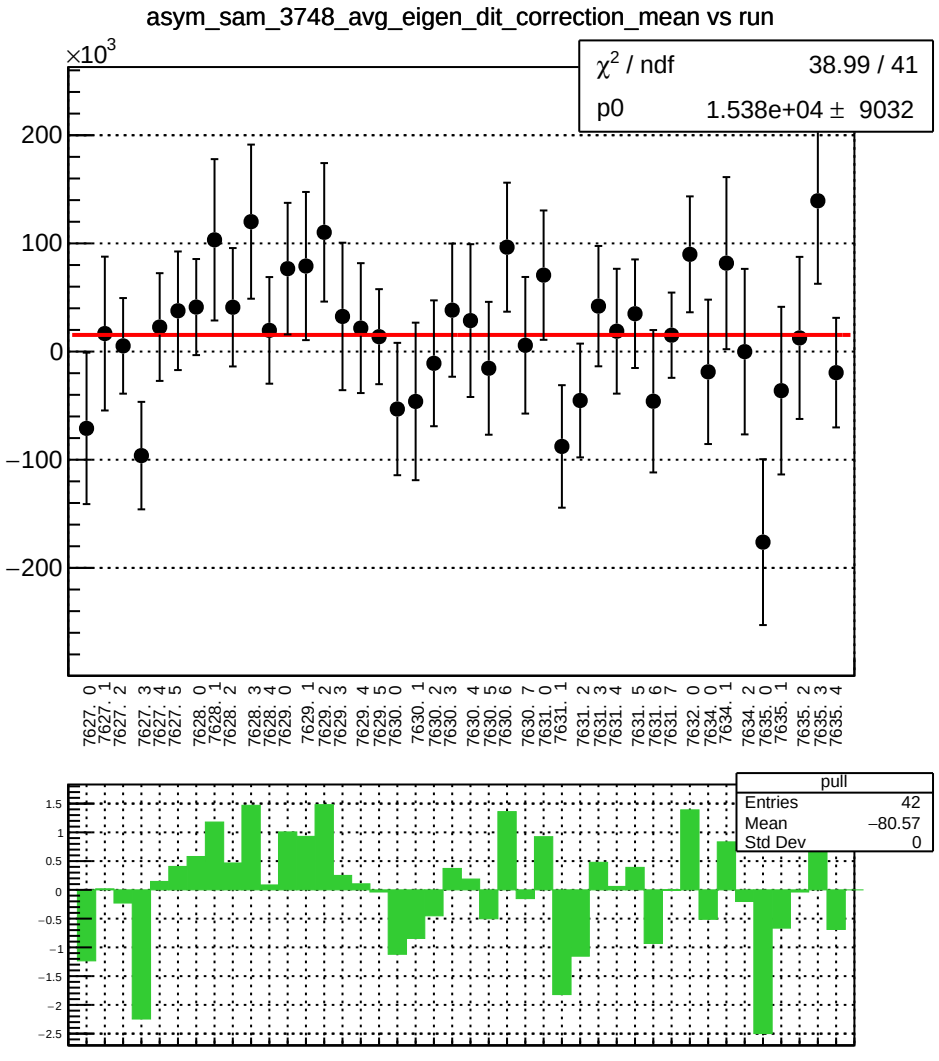

pull1D
Entries 42
Mean 0.00989
Std Dev 0.9634
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

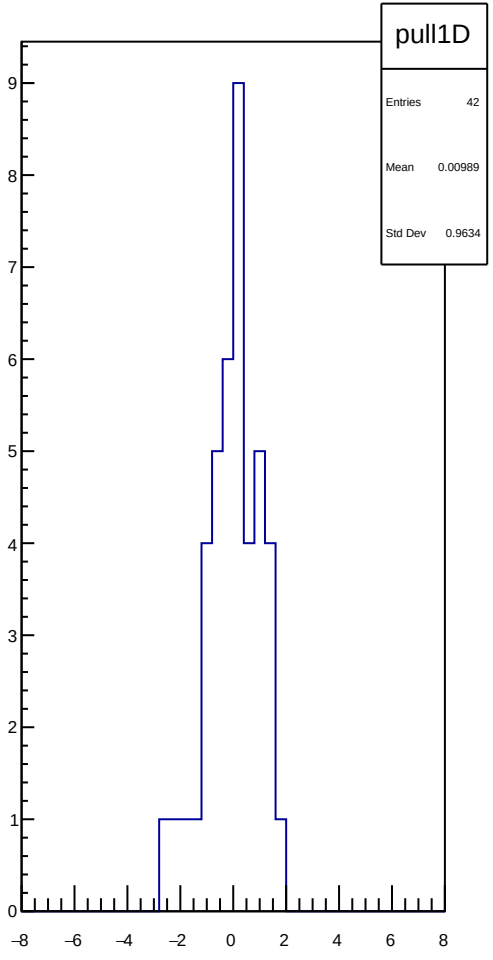

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 2.257e+04 / 41
p0 5731 ± 6.387
7500
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

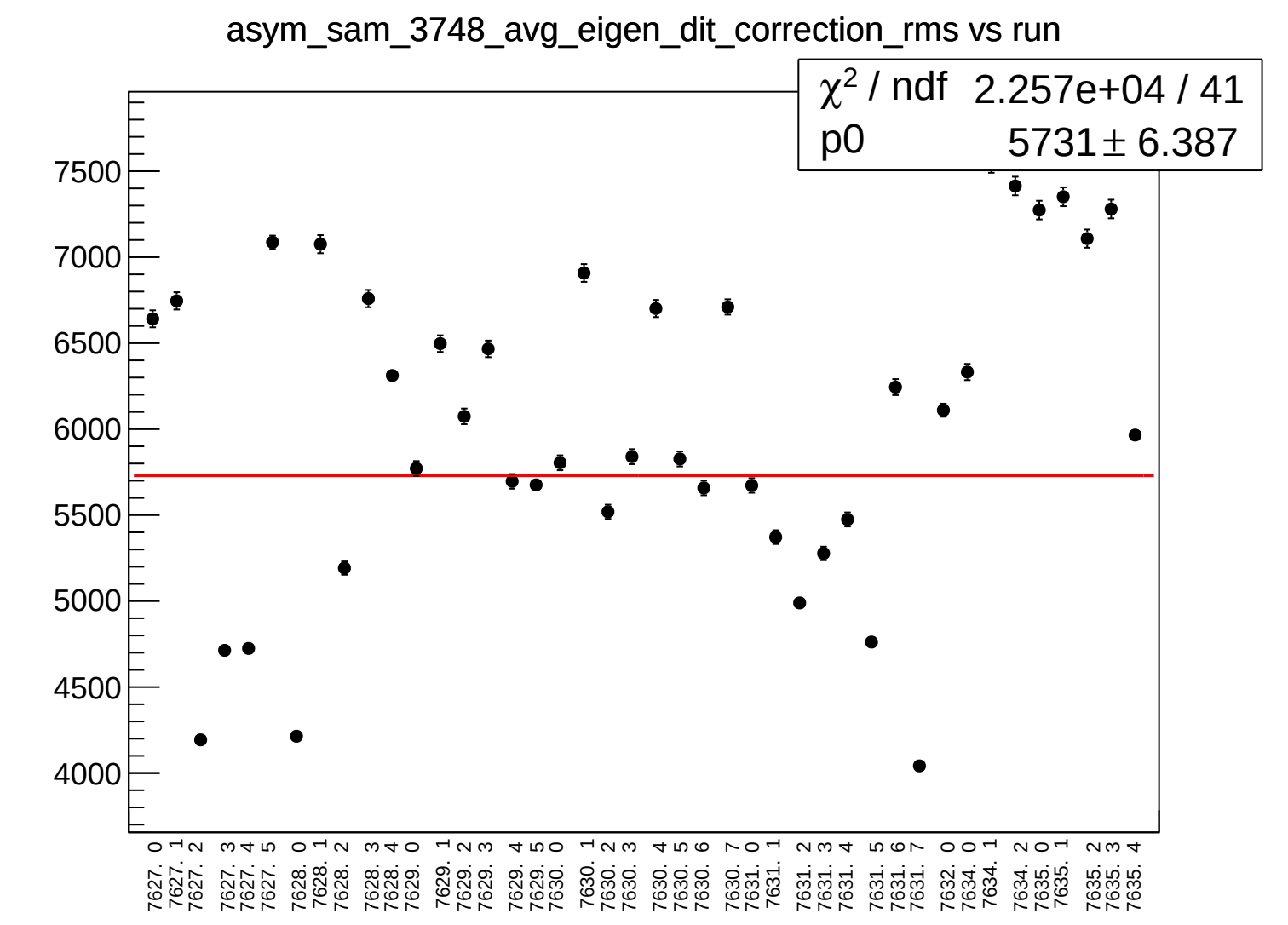

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 33.58 / 41
p0 −360.1± 1052
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −44.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

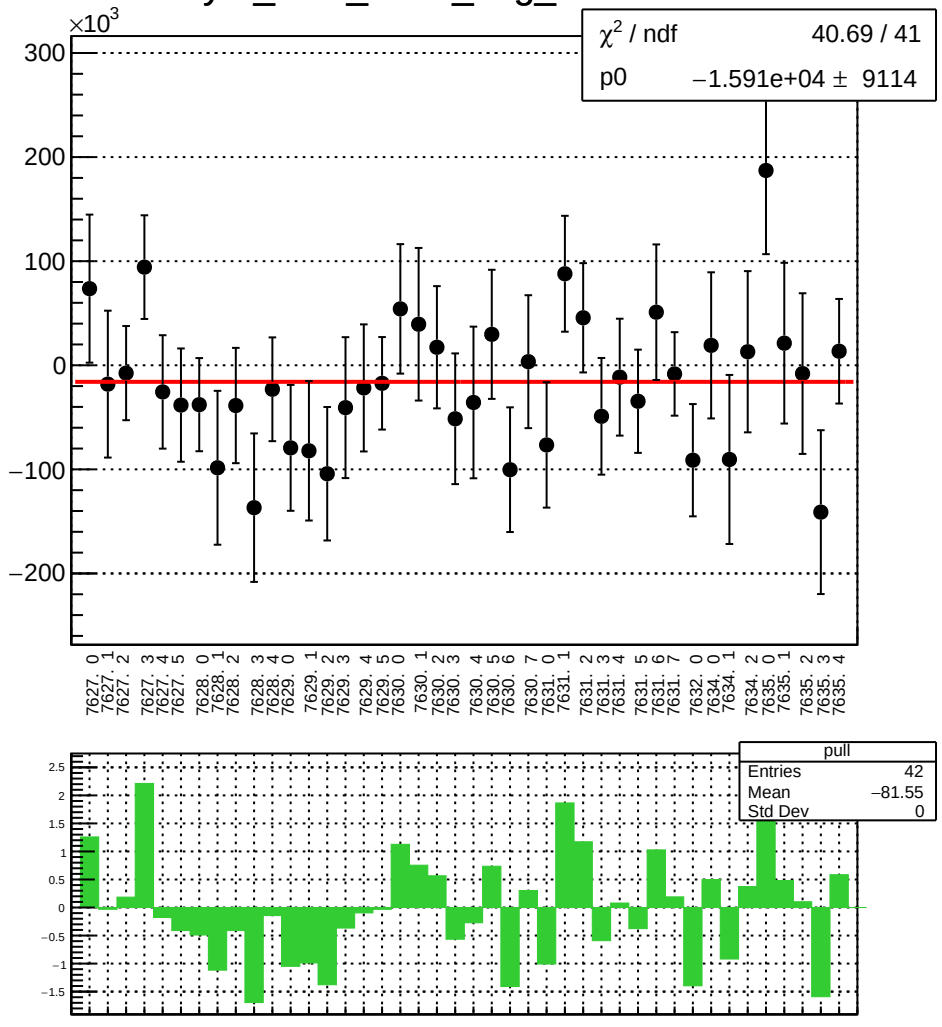

pull1D
Entries 42
Mean −0.01743
Std Dev 0.894
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

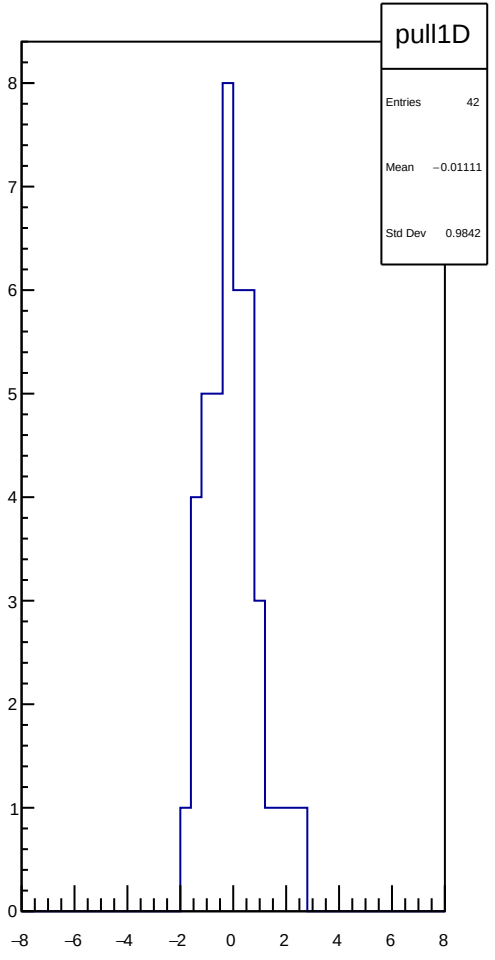

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.836e+04 / 41
p0 665.4 ± 0.7442
1200
1100
1000
900
800
700
600
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

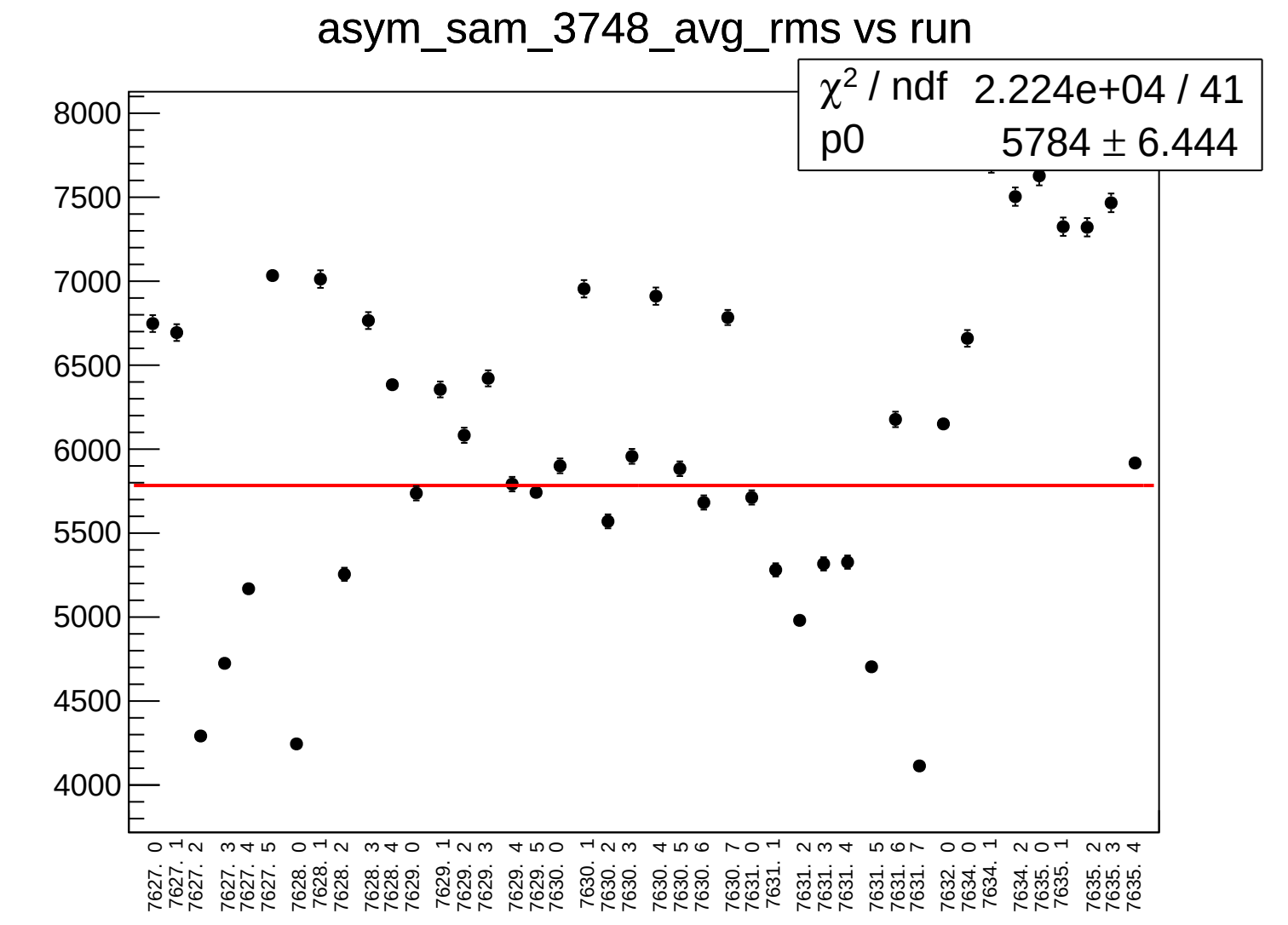

asym_sam_3748_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 38.99 / 41
p0 1.538e+04 ± 9032
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −80.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

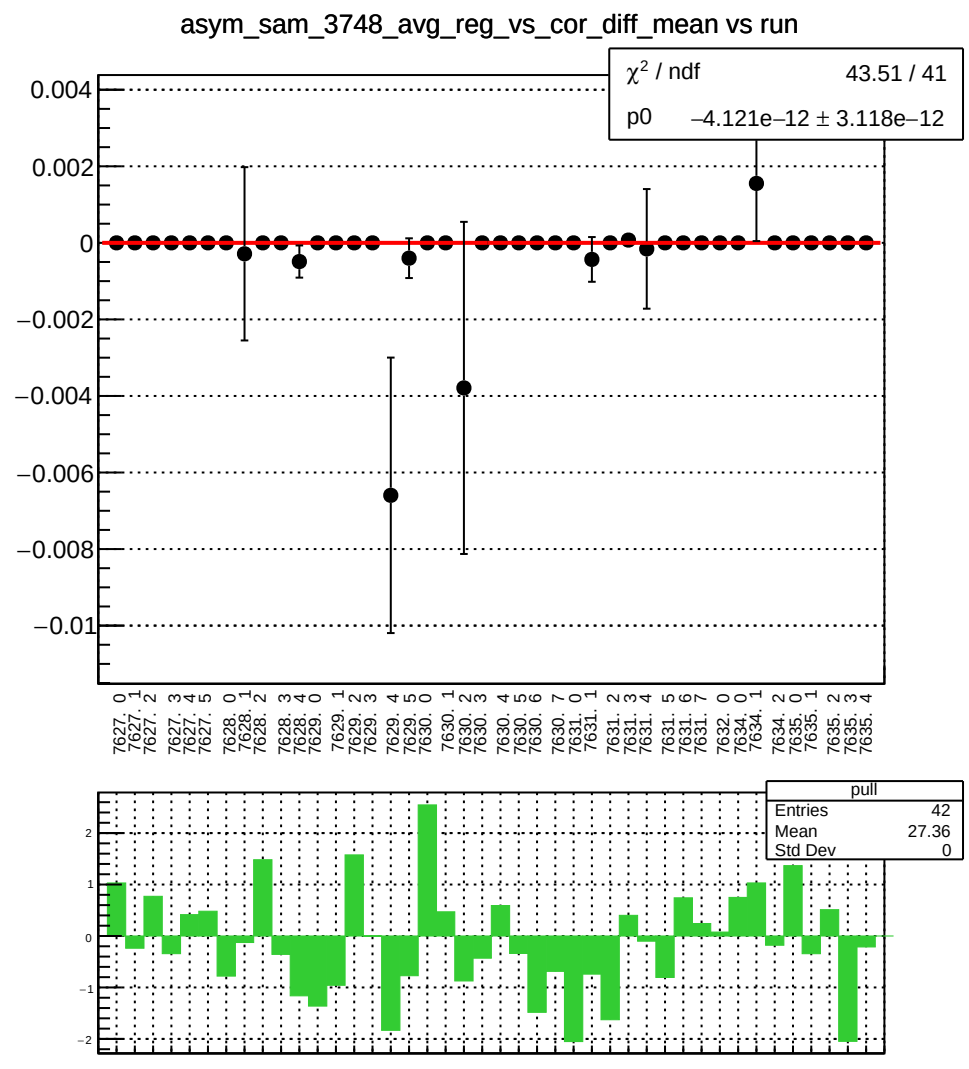

pull1D
Entries 42
Mean 0.00989
Std Dev 0.9634
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

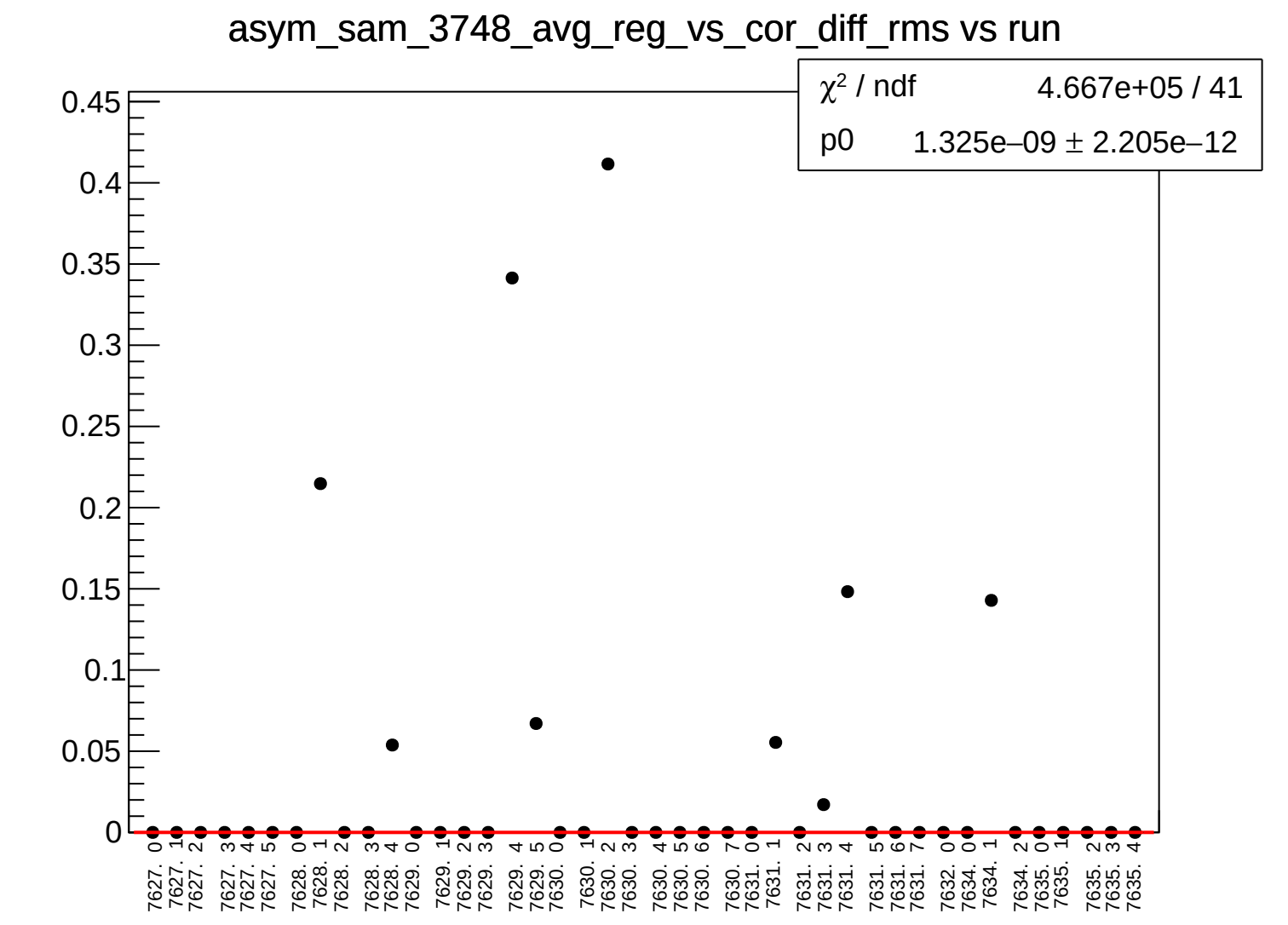

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.257e+04 / 41
p0 5731 ± 6.387
7500
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

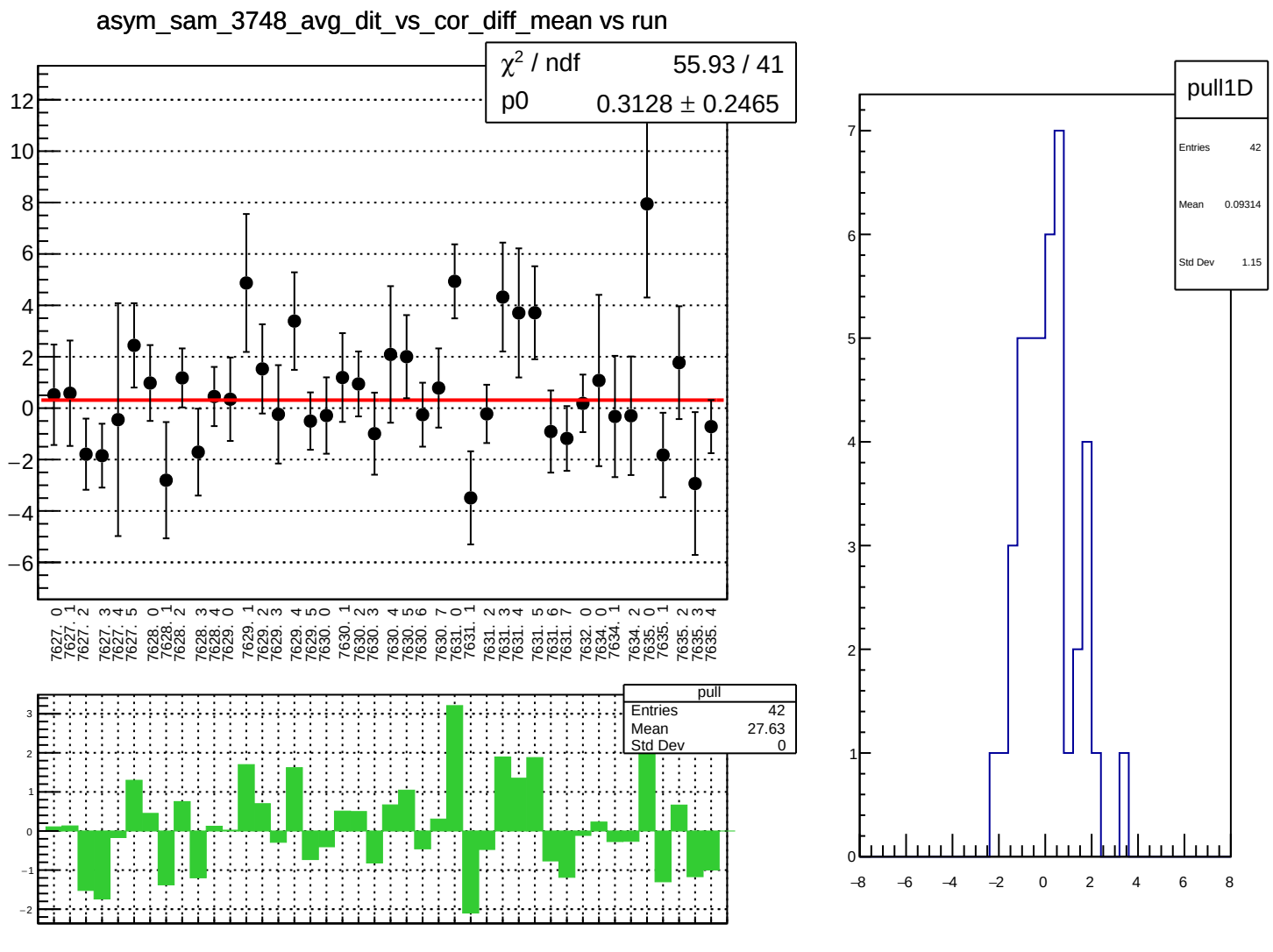

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 40.69 / 41
p0 −1.591e+04 ± 9114
300
200
100
0
−100
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −81.55
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

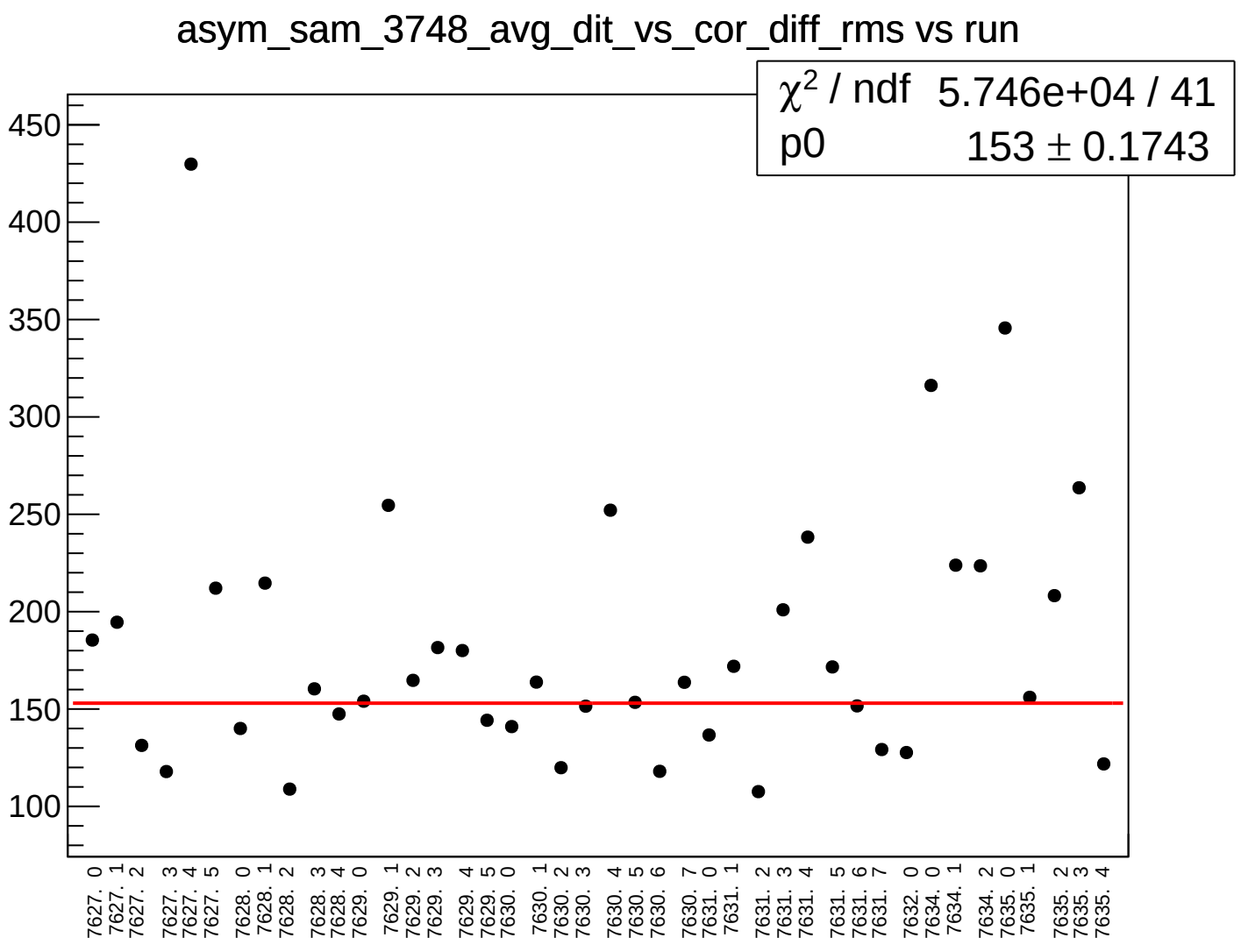

pull1D
Entries 42
Mean −0.01111
Std Dev 0.9842
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

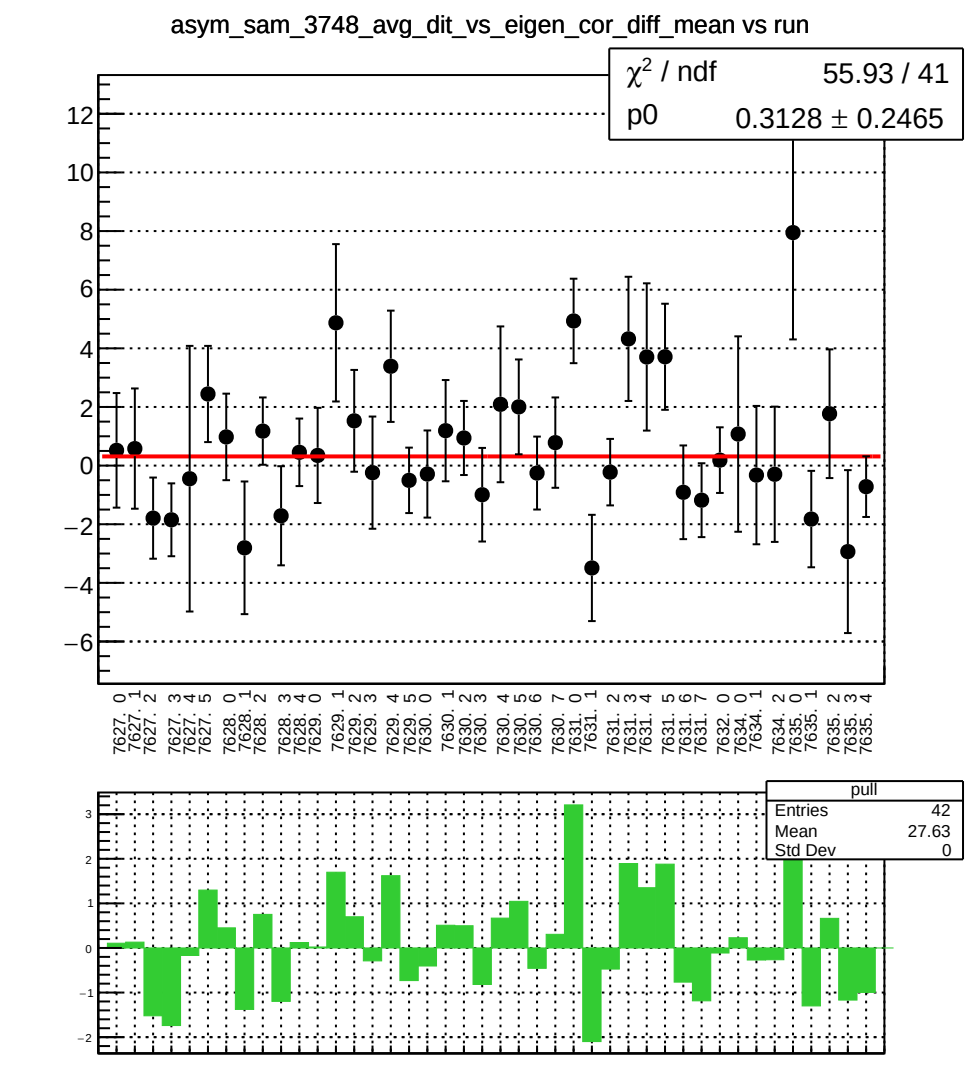

asym_sam_3748_avg_rms vs run
χ² / ndf 2.224e+04 / 41
p0 5784 ± 6.444
8000
7500
7000
6500
6000
5500
5000
4500
4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

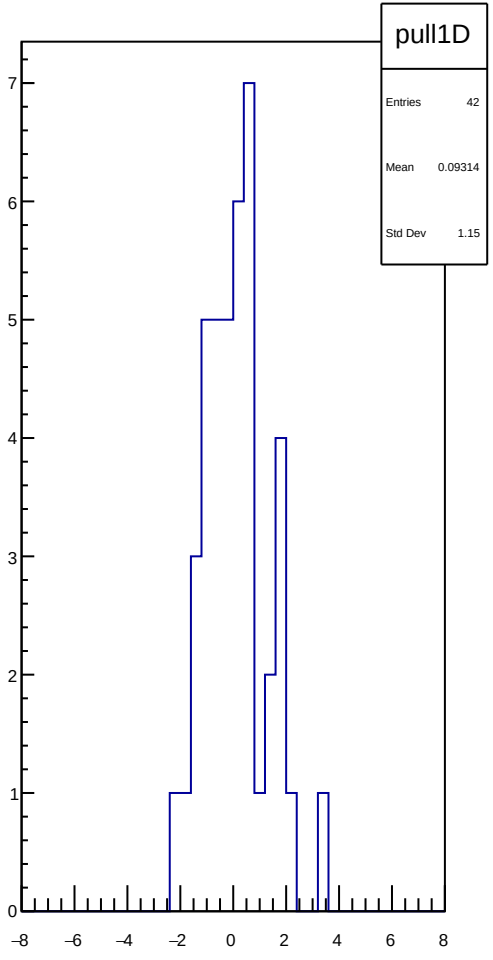

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.51 / 41
p0 −4.121e−12 ± 3.118e−12
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 27.36
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.1279
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

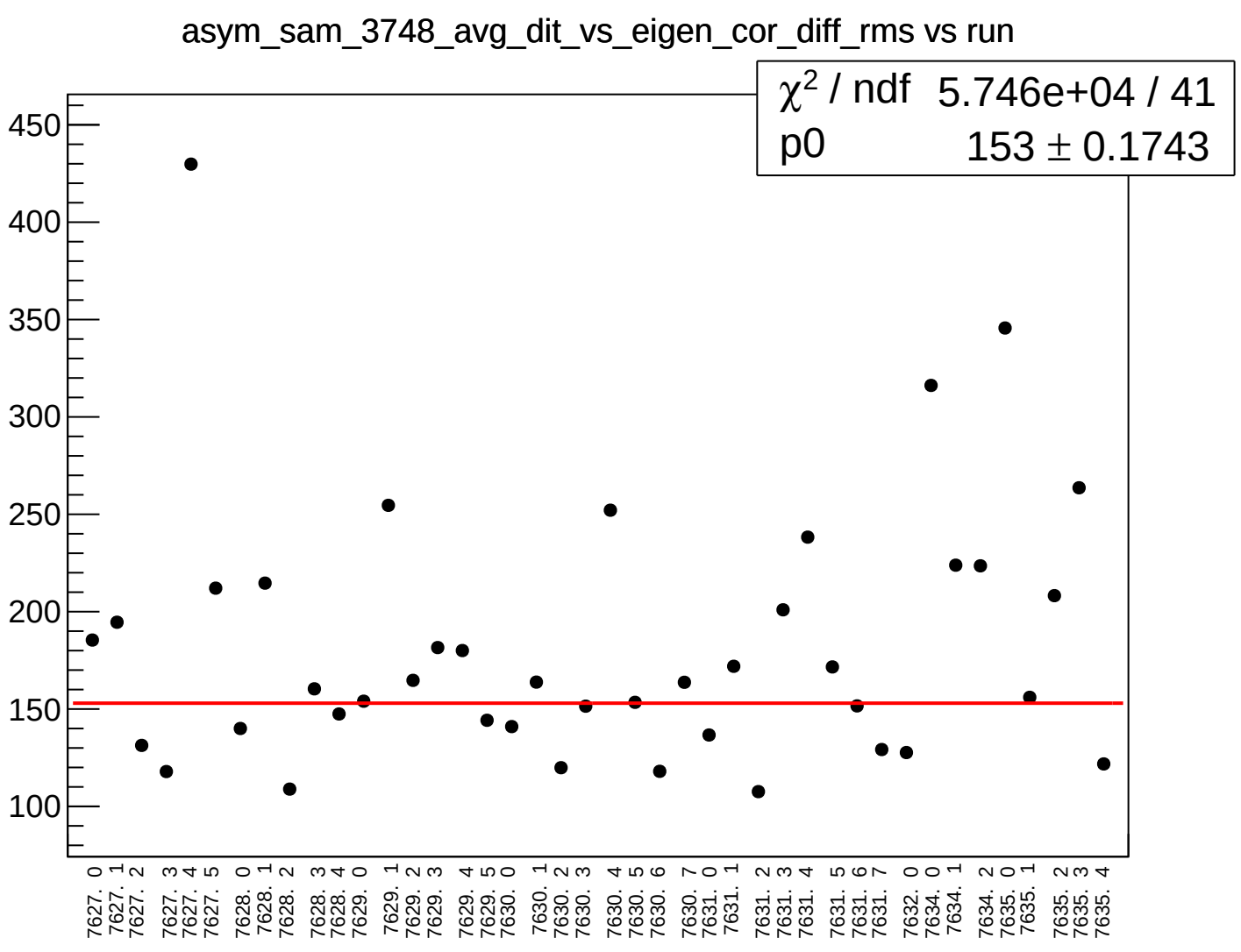

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.667e+05 / 41
p0 1.325e−09 ± 2.205e−12
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

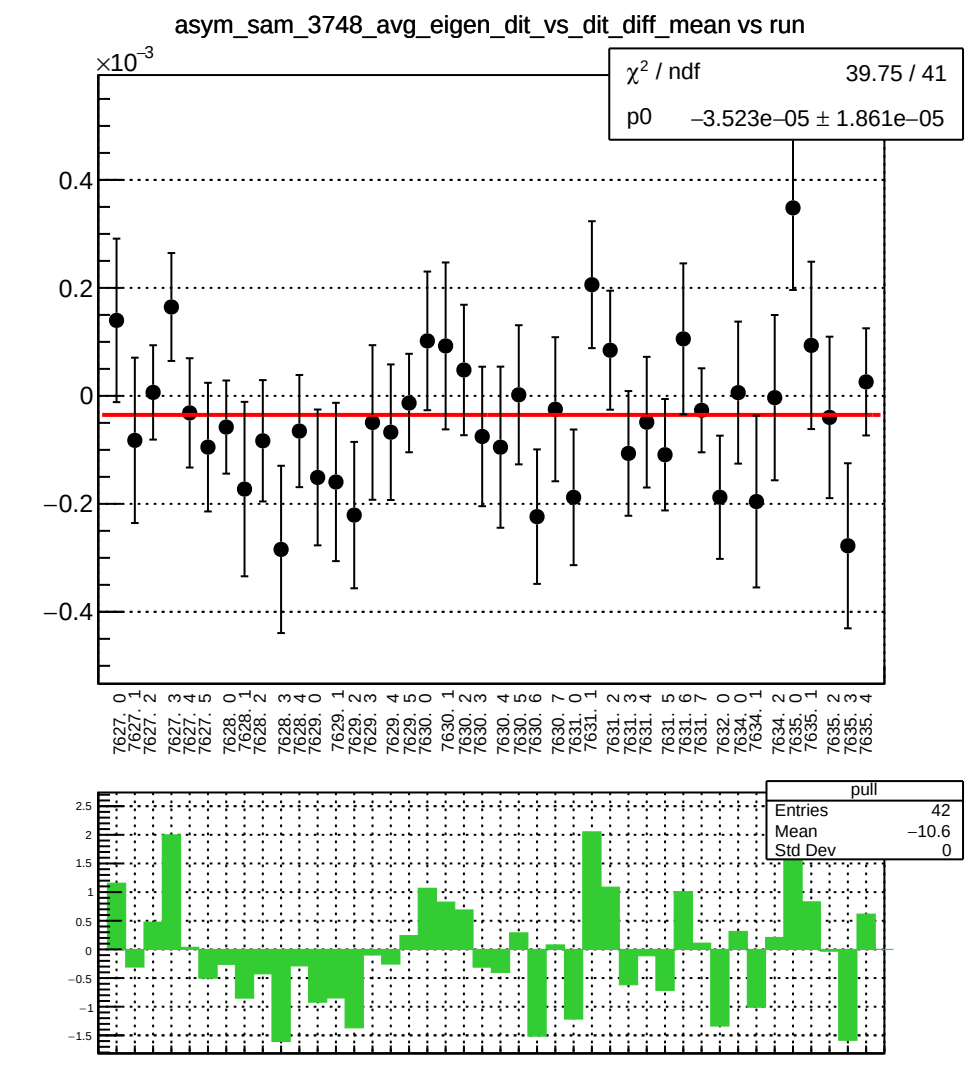

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.93 / 41
p0 0.3128 ± 0.2465
pull
Entries 42
Mean 27.63
Std Dev 0
pull1D
Entries 42
Mean 0.09314
Std Dev 1.15

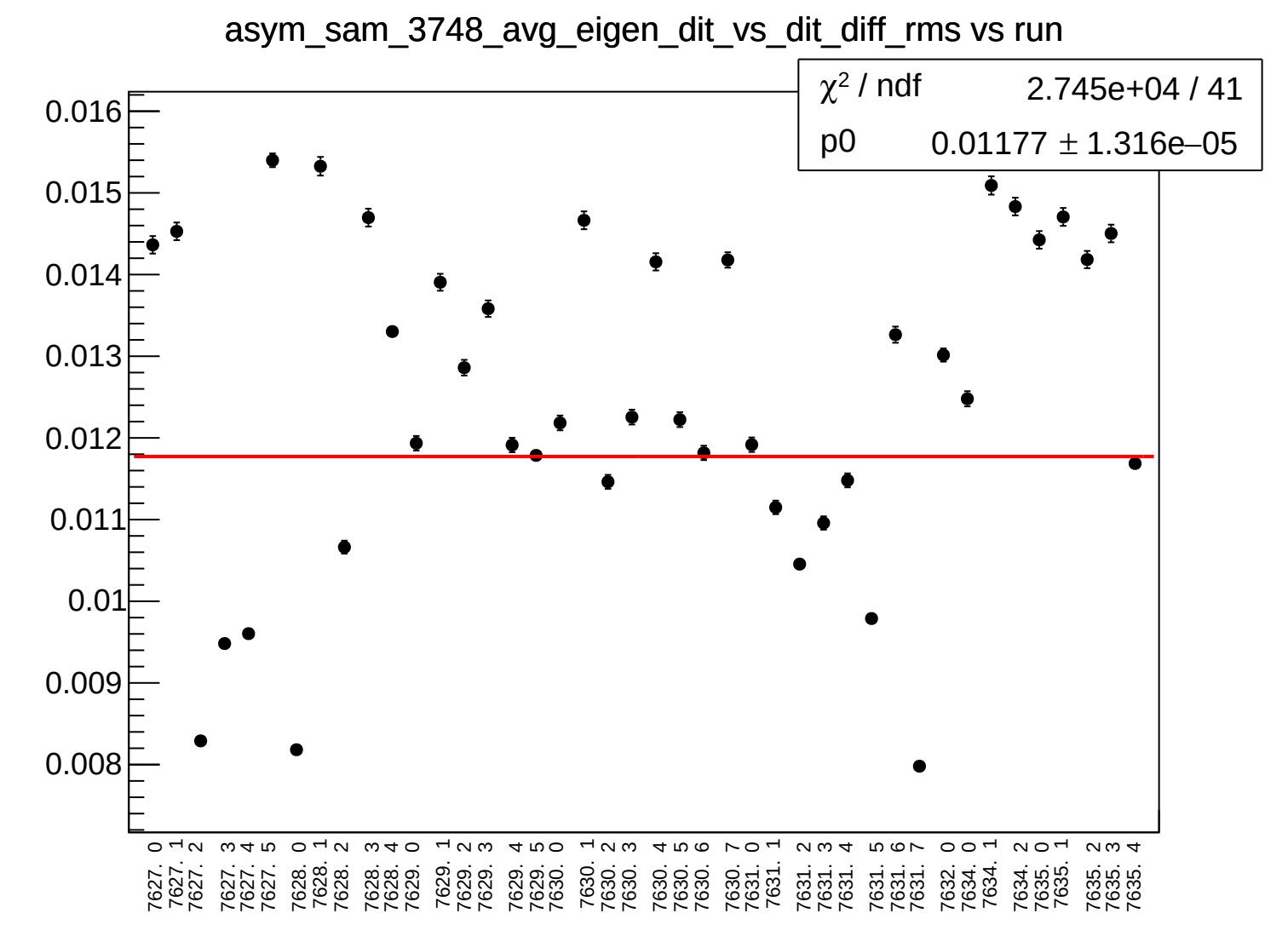

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.746e+04 / 41
p0 153 ± 0.1743
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

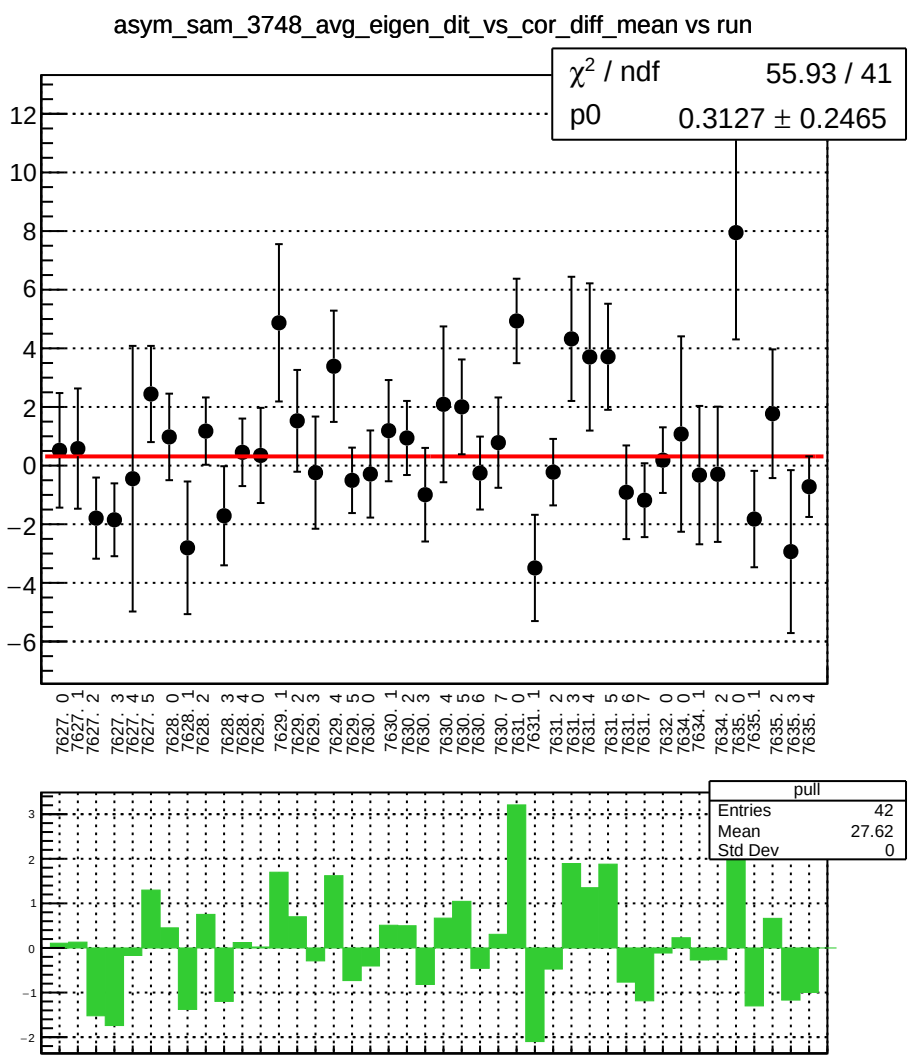

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.93 / 41
p0 0.3128 ± 0.2465
pull
Entries 42
Mean 27.63
Std Dev 0

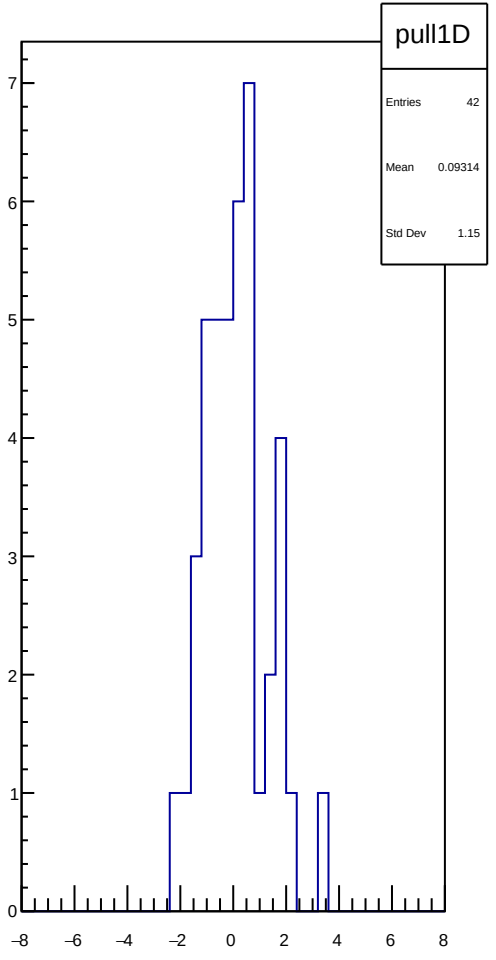

pull1D
Entries 42
Mean 0.09314
Std Dev 1.15

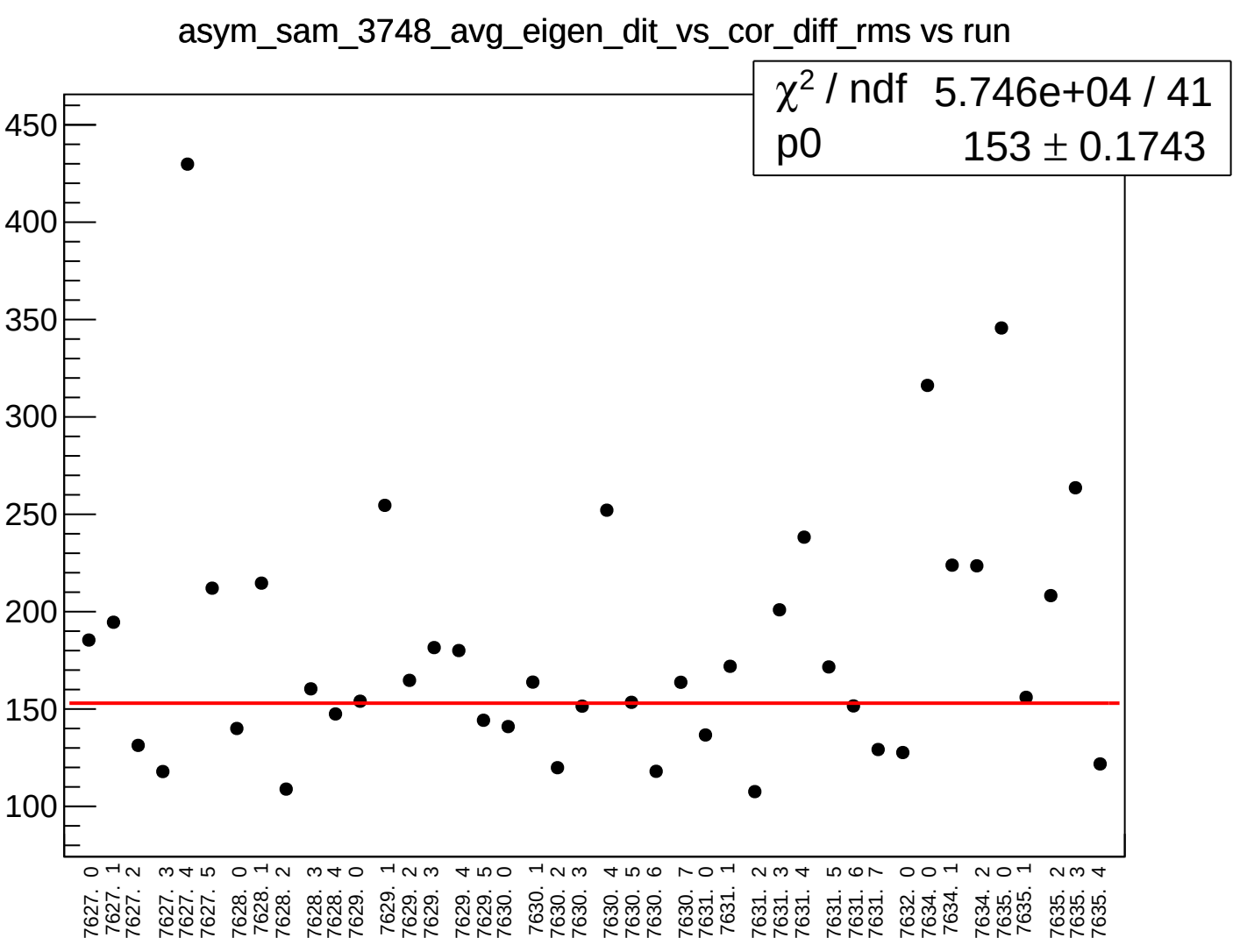

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.746e+04 / 41
p0 153 ± 0.1743
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.75 / 41
p0 −3.523e−05 ± 1.861e−05
0.4
0.2
0
−0.2
−0.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02318
Std Dev 0.9726
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

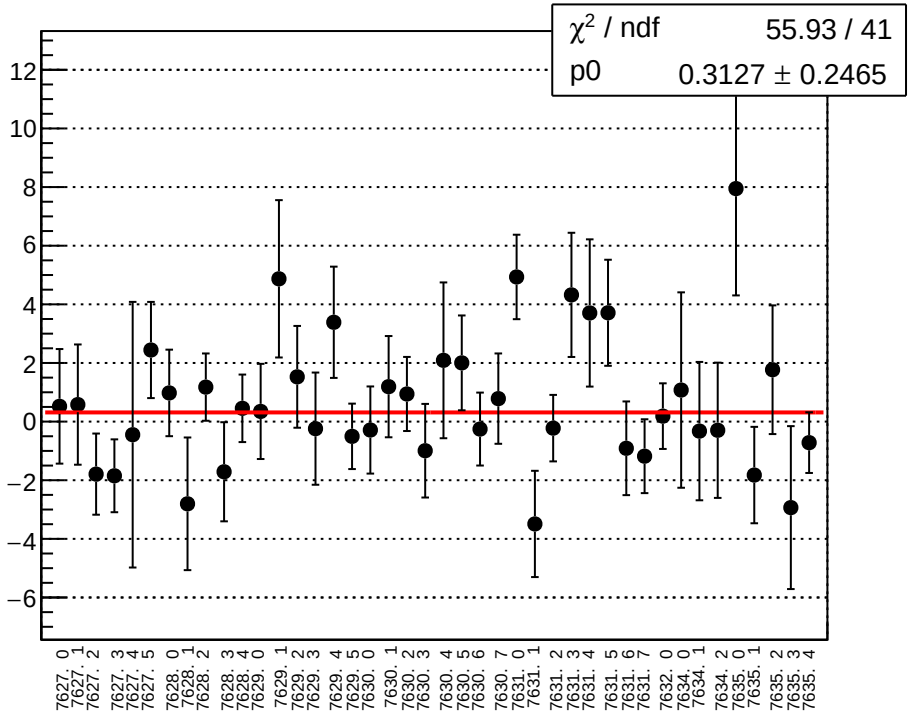

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.745e+04 / 41
p0 0.01177 ± 1.316e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

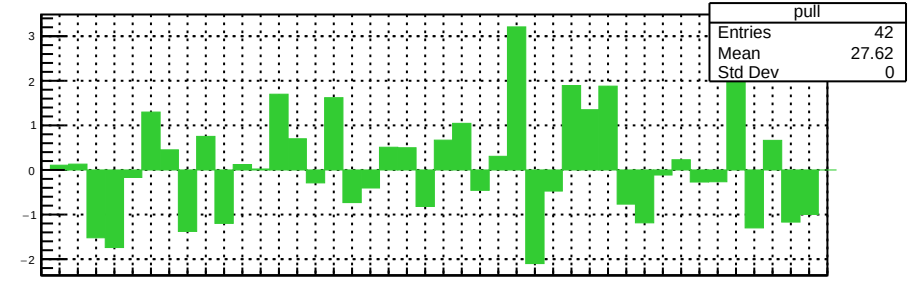

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.93 / 41
p0 0.3127 ± 0.2465
pull
Entries 42
Mean 27.62
Std Dev 0

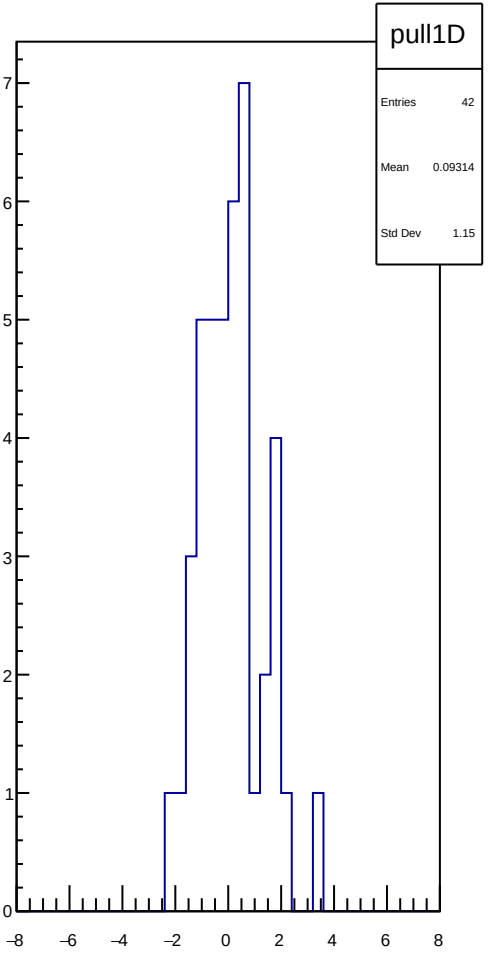

pull1D
Entries 42
Mean 0.09314
Std Dev 1.15

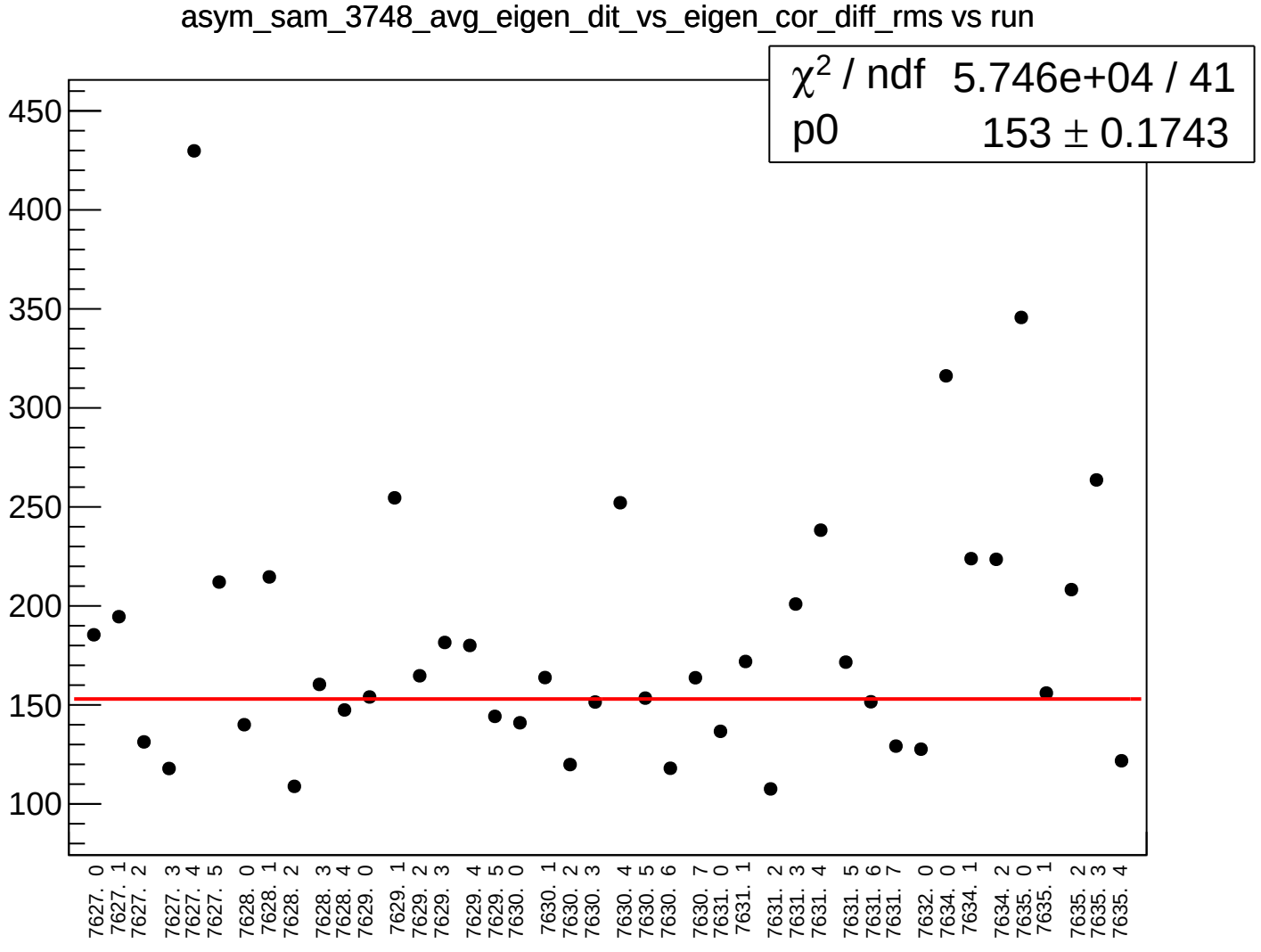

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.746e+04 / 41
p0 153 ± 0.1743
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

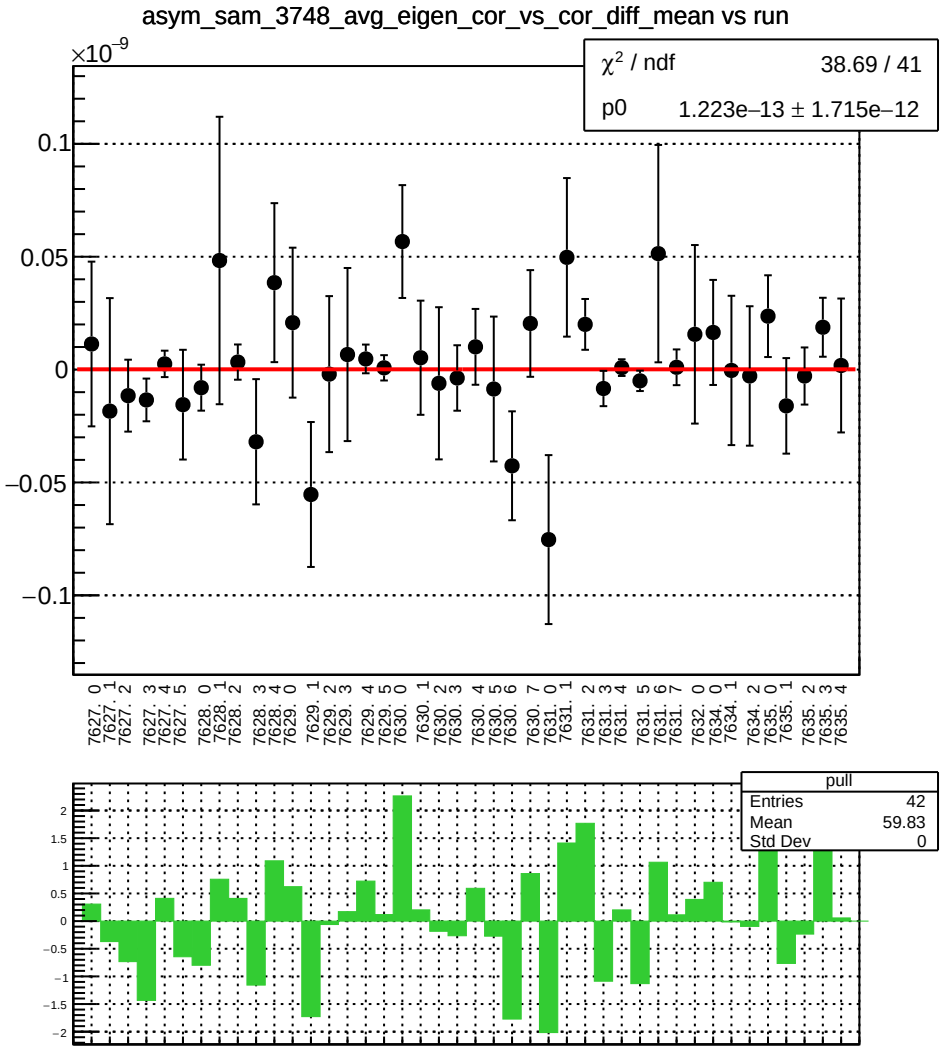
asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

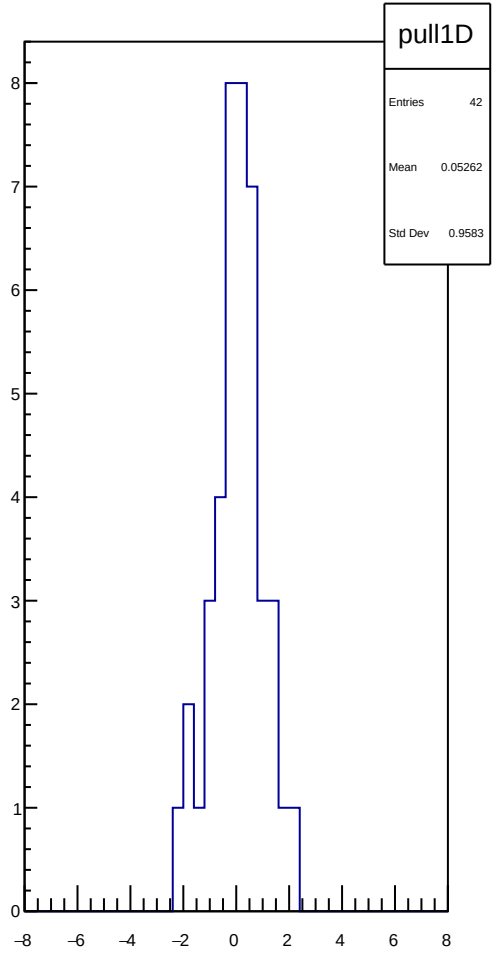


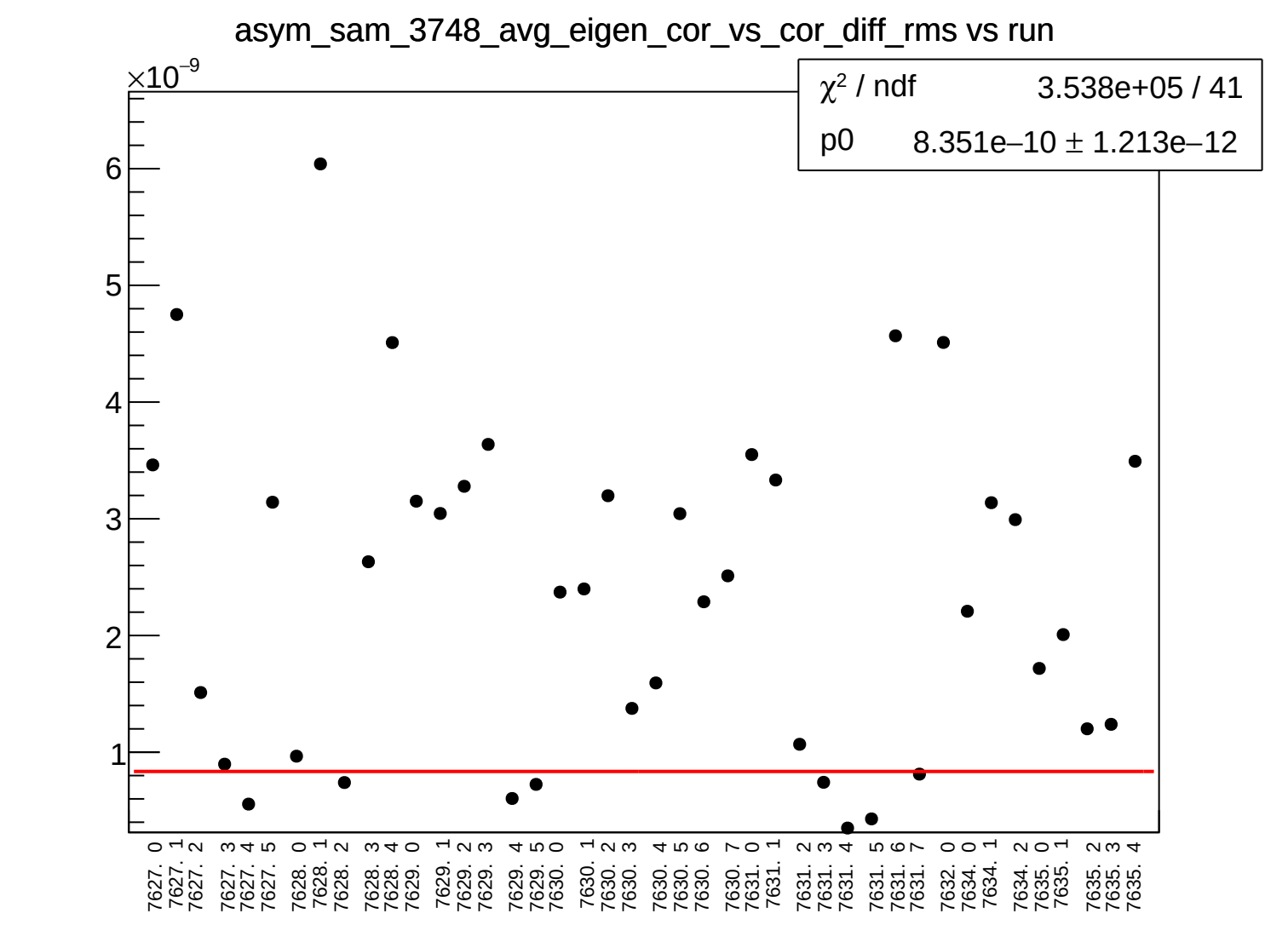


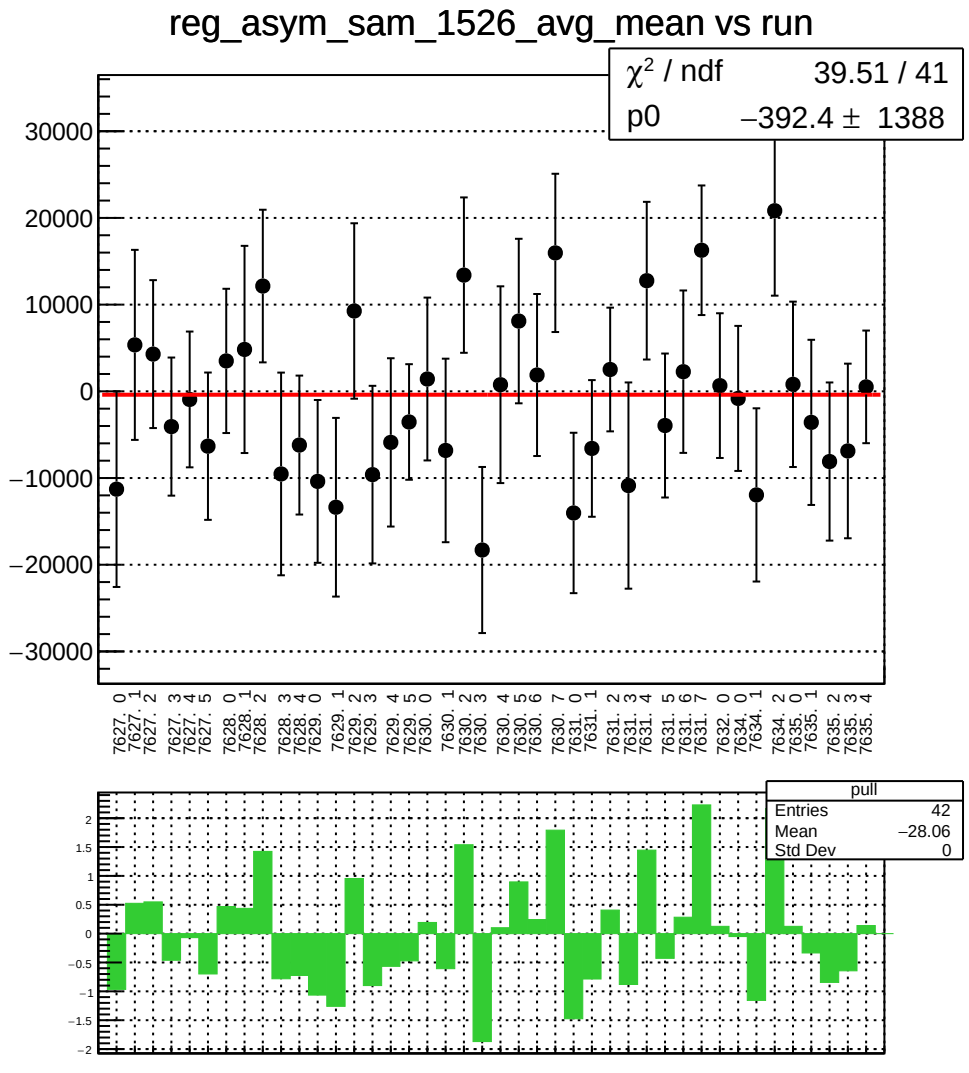


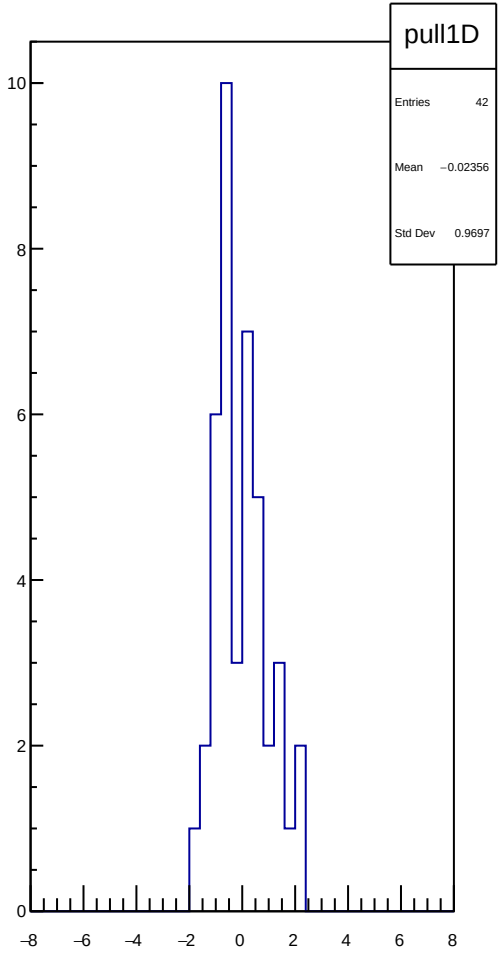

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.746e+04 / 41
p0 153 ± 0.1743
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

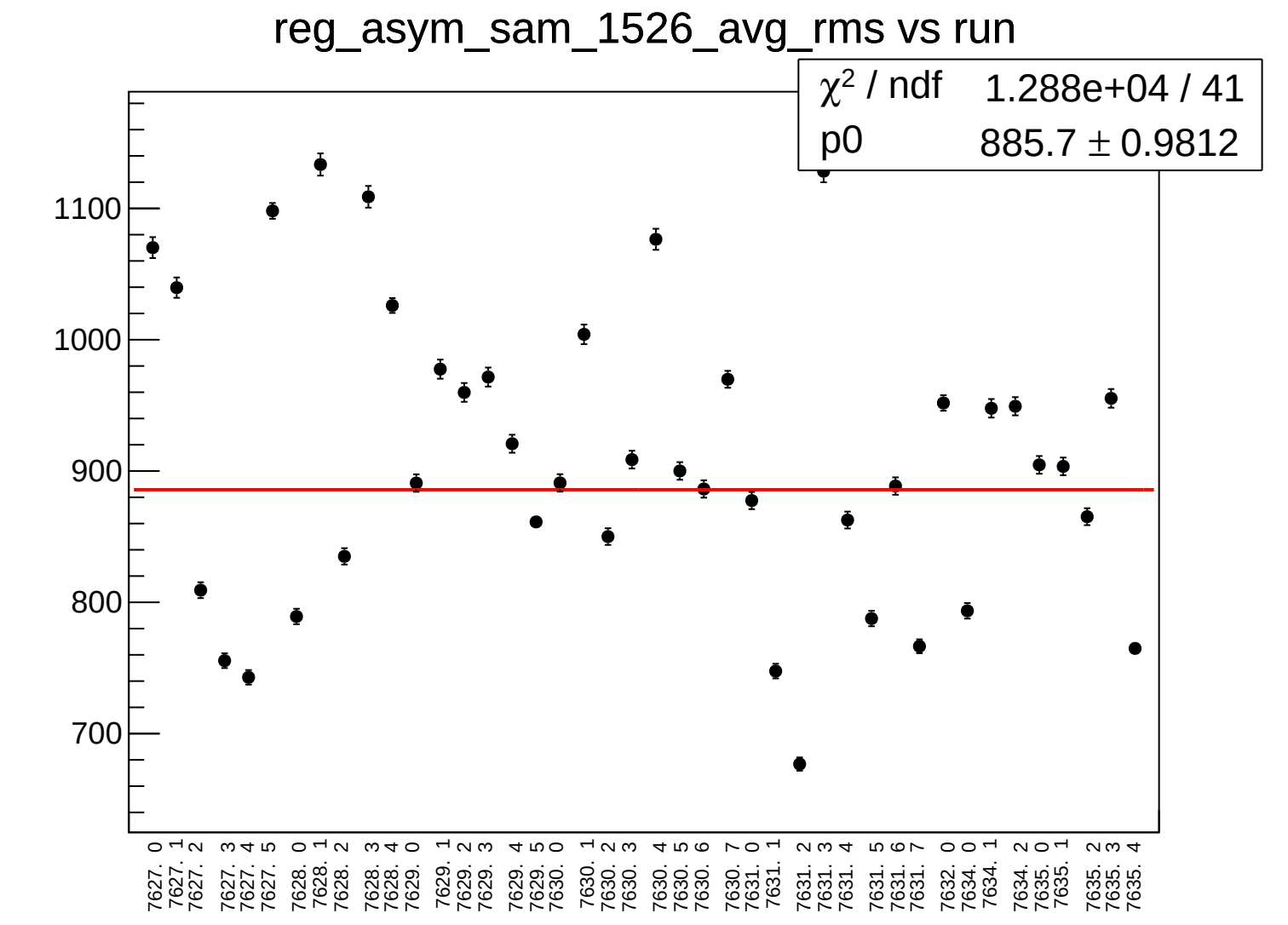

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 38.69 / 41
p0 1.223e−13 ± 1.715e−12
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 59.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

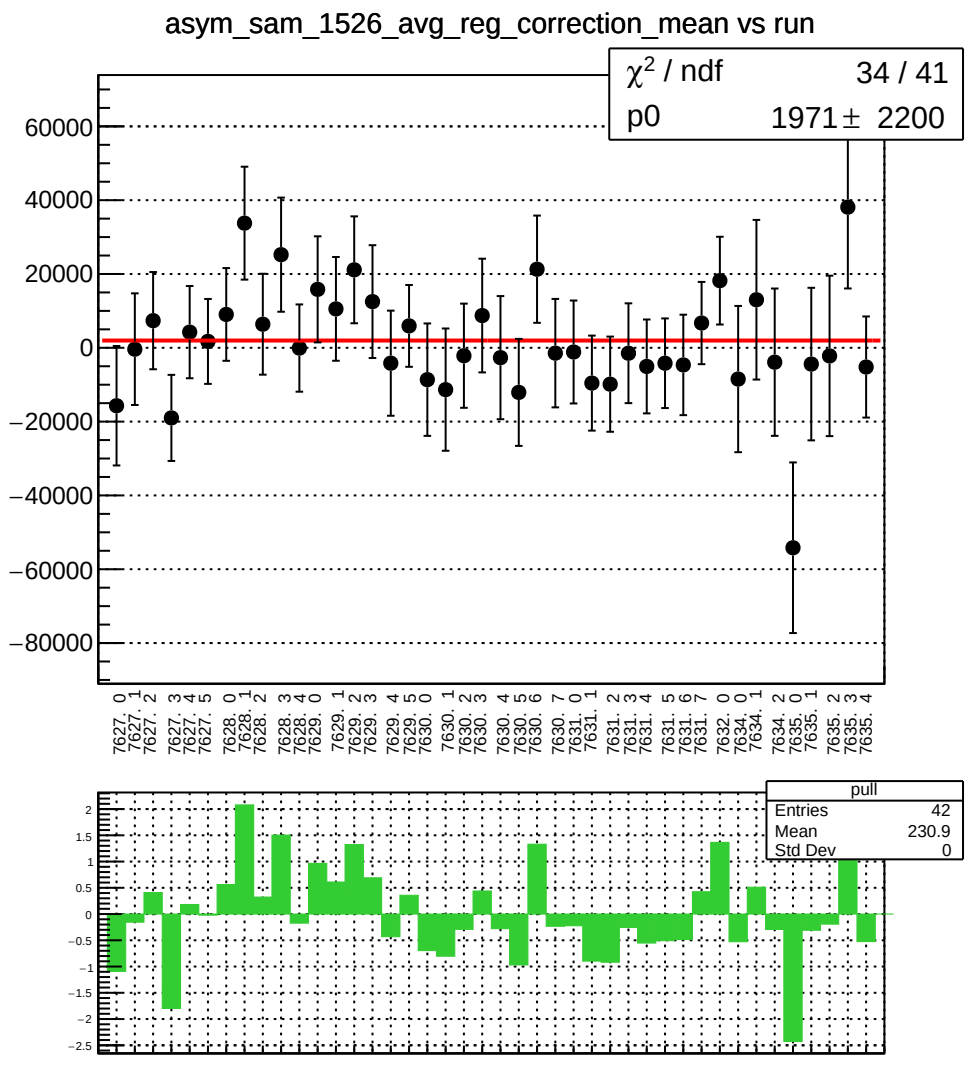

pull1D
Entries 42
Mean 0.05262
Std Dev 0.9583
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

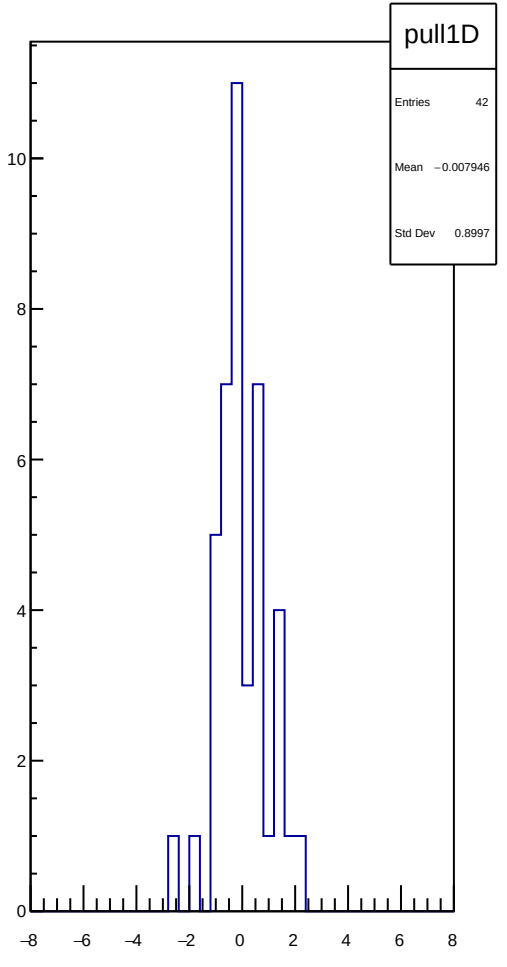

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.538e+05 / 41
p0 8.351e−10 ± 1.213e−12
1
2
3
4
5
6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

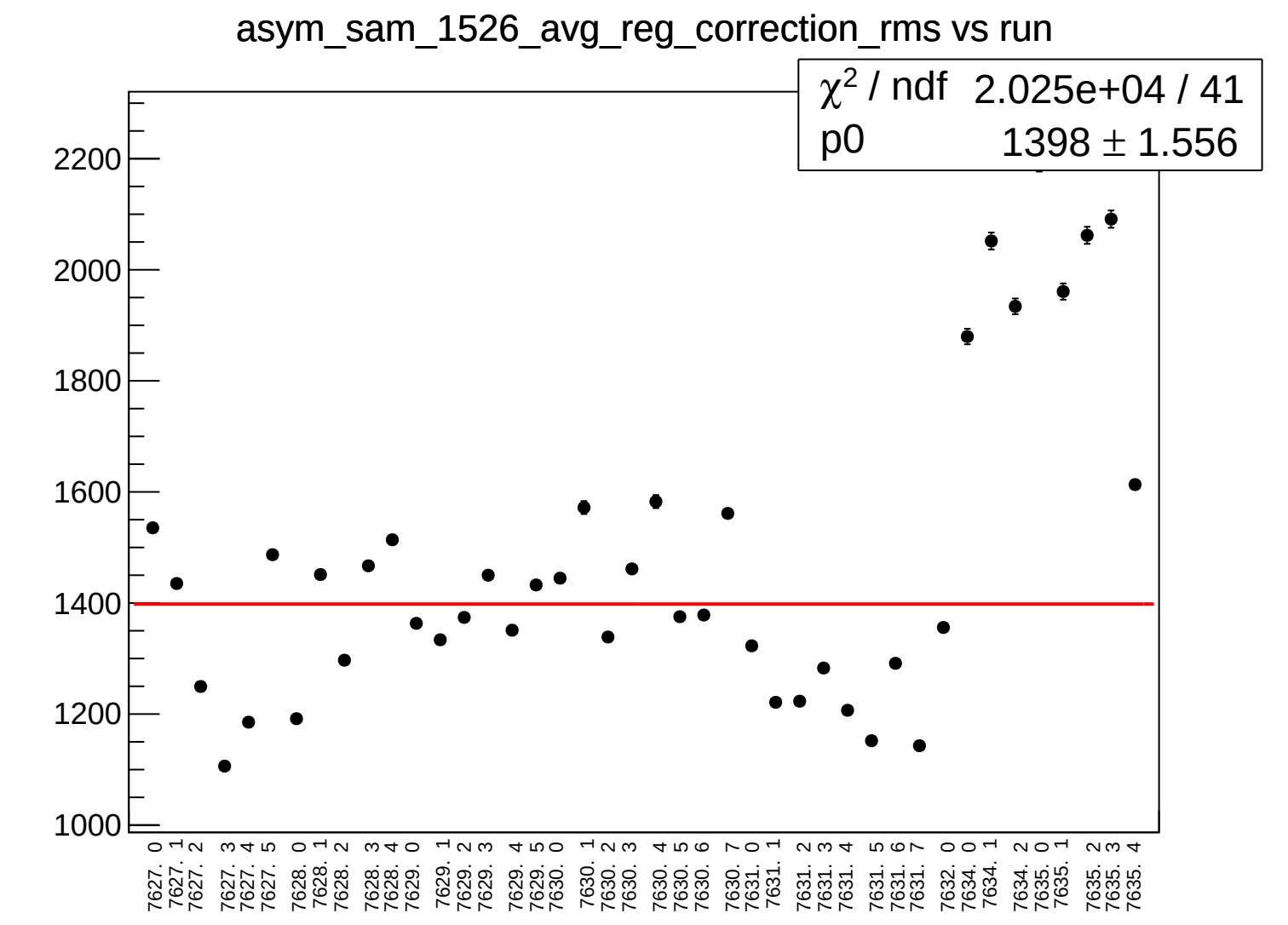

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 39.51 / 41
p0 −392.4 ± 1388
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

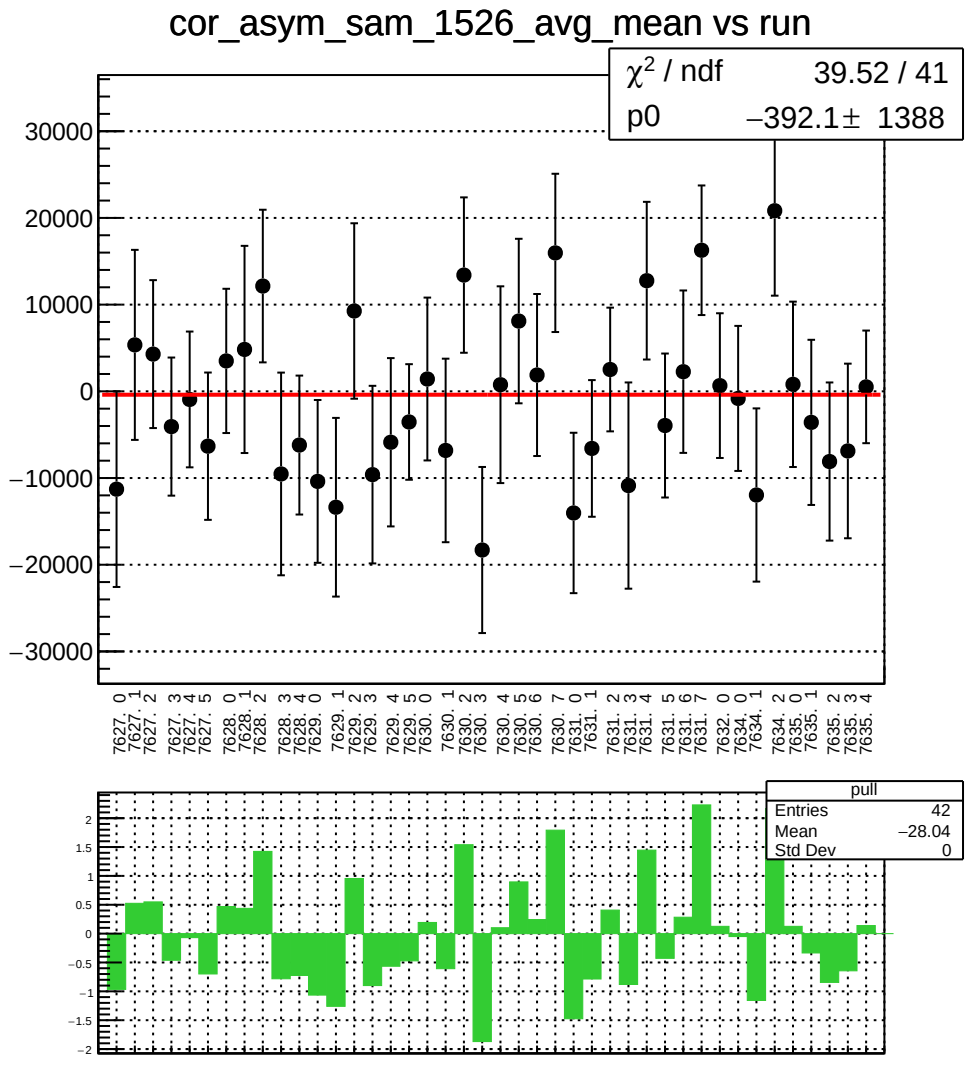

pull1D
Entries 42
Mean −0.02356
Std Dev 0.9697
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

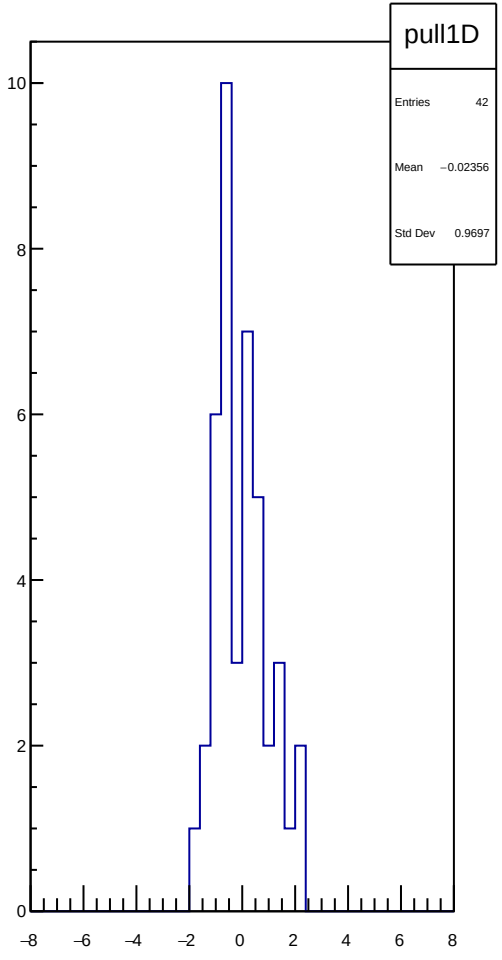

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 1.288e+04 / 41
p0 885.7 ± 0.9812
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

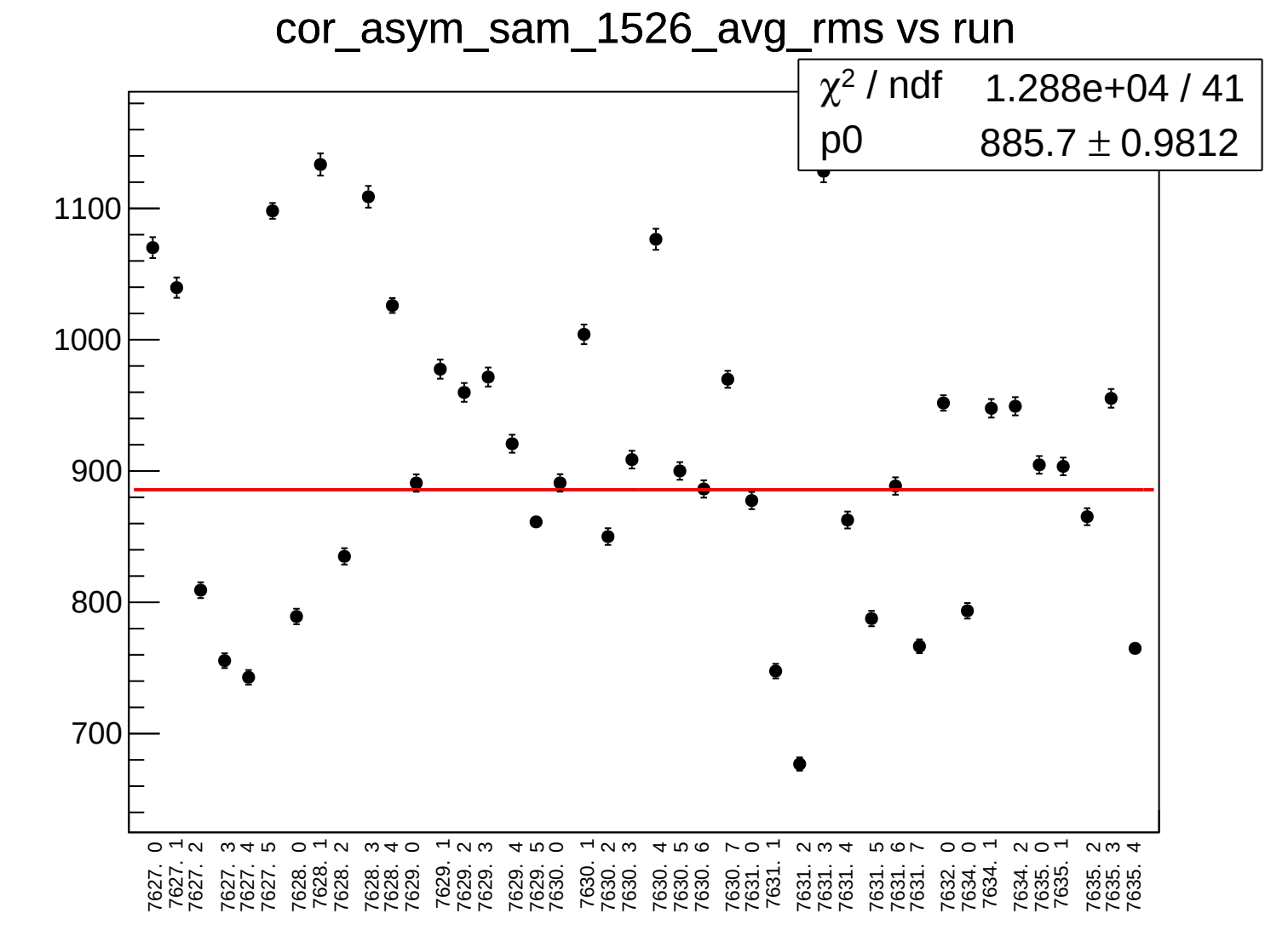

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 34 / 41
p0 1971 ± 2200
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 230.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

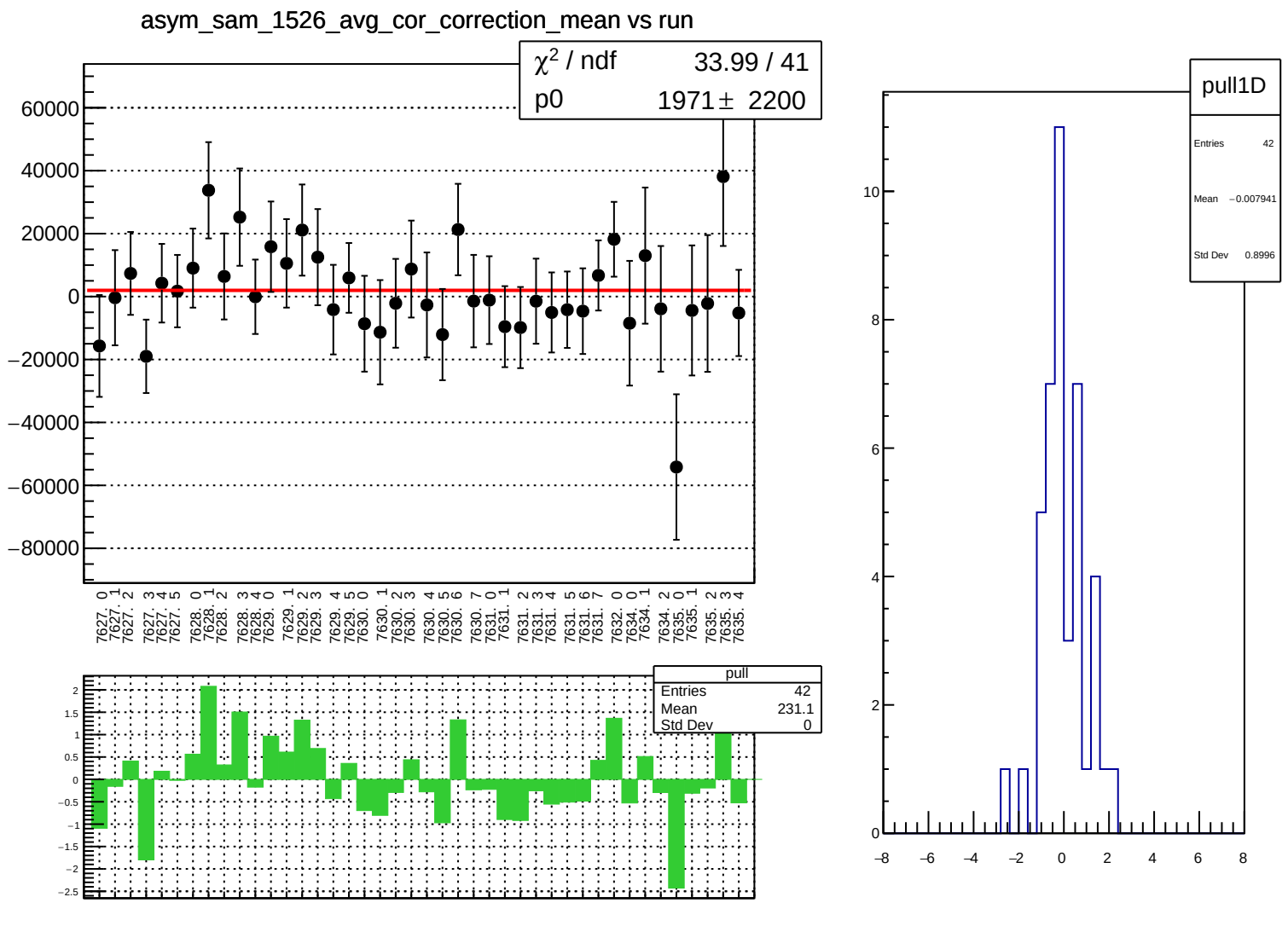

pull1D
Entries 42
Mean −0.007946
Std Dev 0.8997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

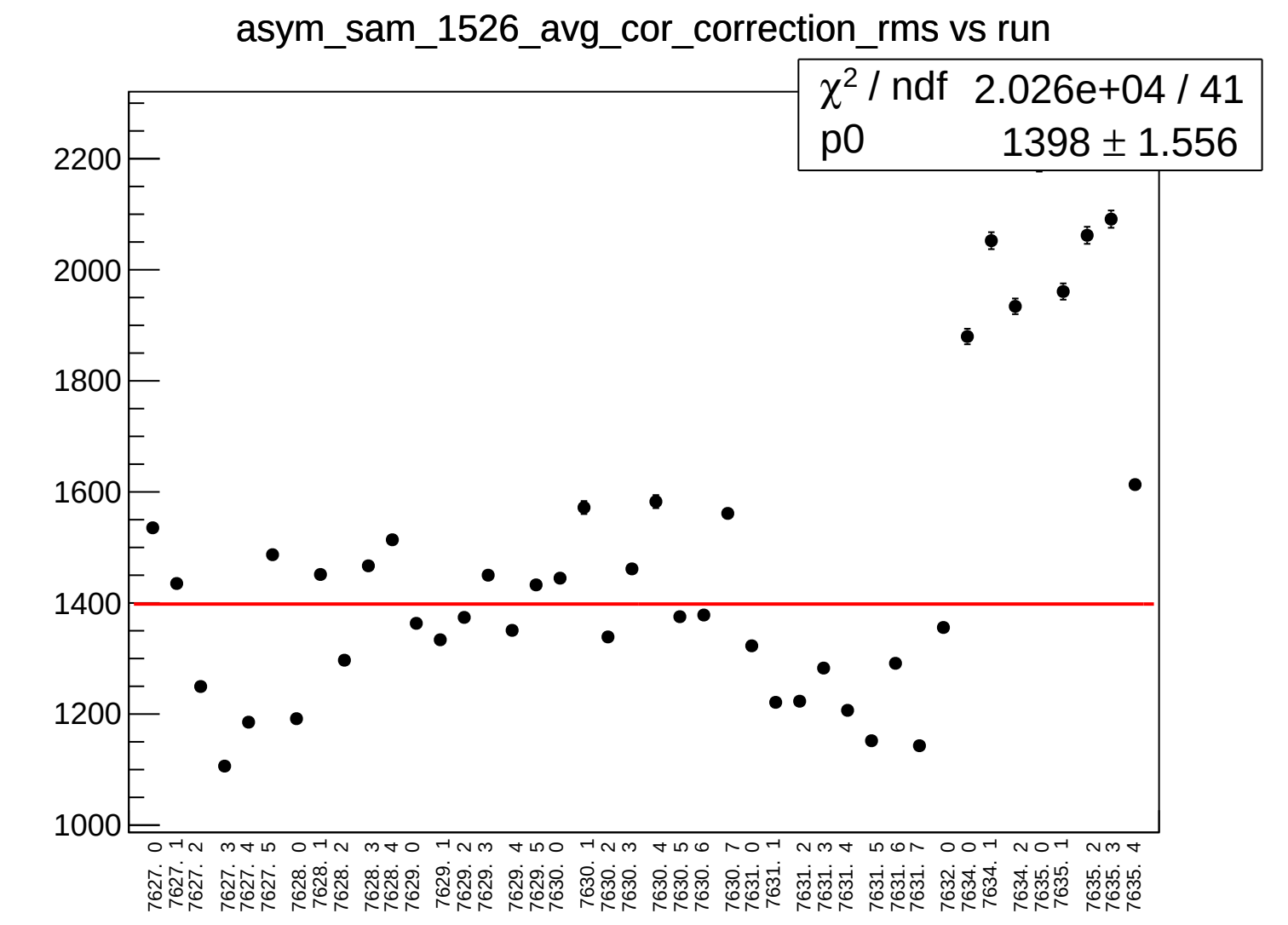

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 2.025e+04 / 41
p0 1398 ± 1.556
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

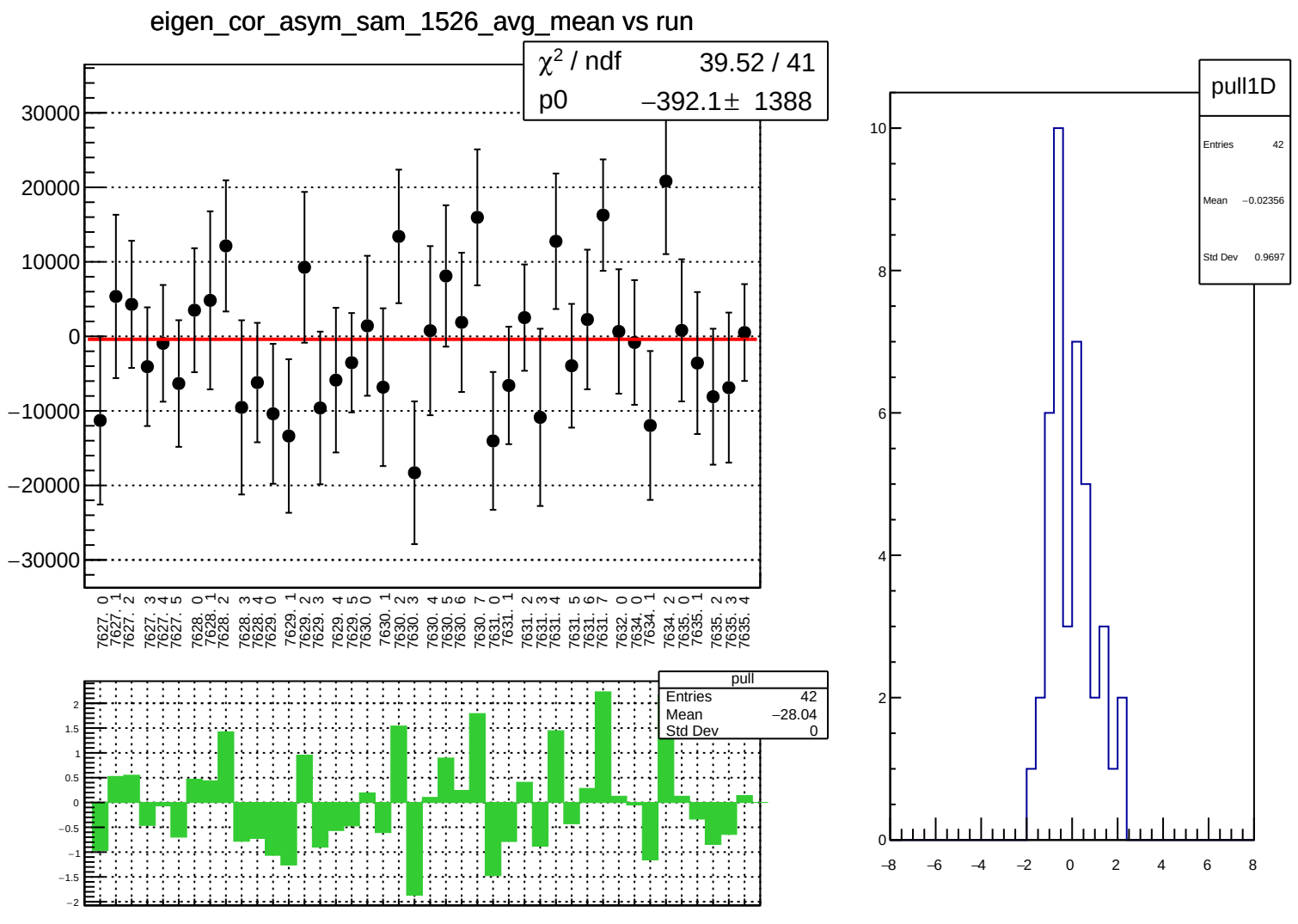

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 39.52 / 41
p0 −392.1± 1388
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

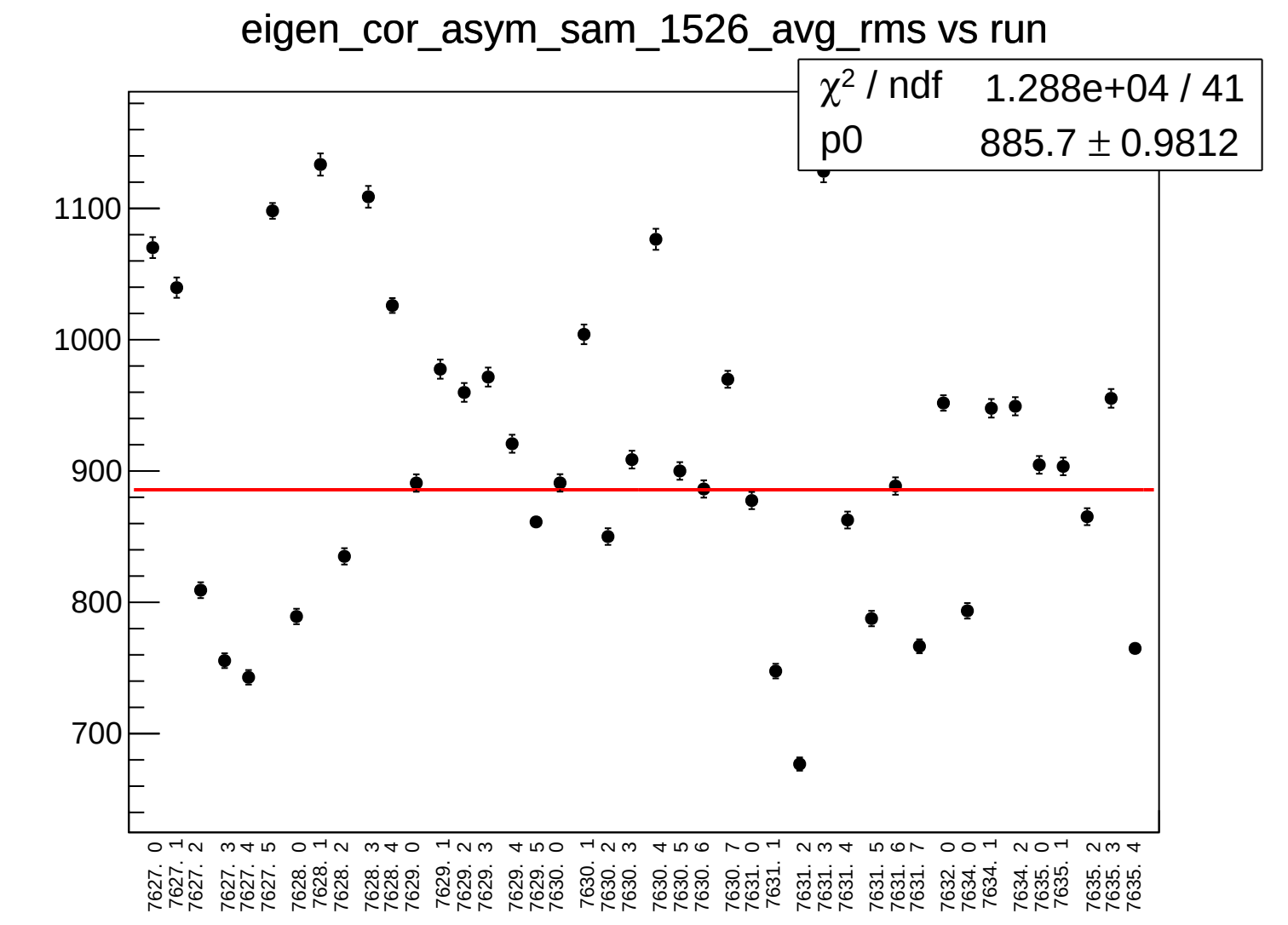

pull1D
Entries 42
Mean −0.02356
Std Dev 0.9697
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.288e+04 / 41
p0 885.7 ± 0.9812
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 33.99 / 41
p0 1971 ± 2200
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 231.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.007941
Std Dev 0.8996
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 2.026e+04 / 41
p0 1398 ± 1.556
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 39.52 / 41
p0 −392.1± 1388
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02356
Std Dev 0.9697
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.288e+04 / 41
p0 885.7 ± 0.9812
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
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7630. 7
7631. 0
7631. 1
7631. 2
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7631. 6
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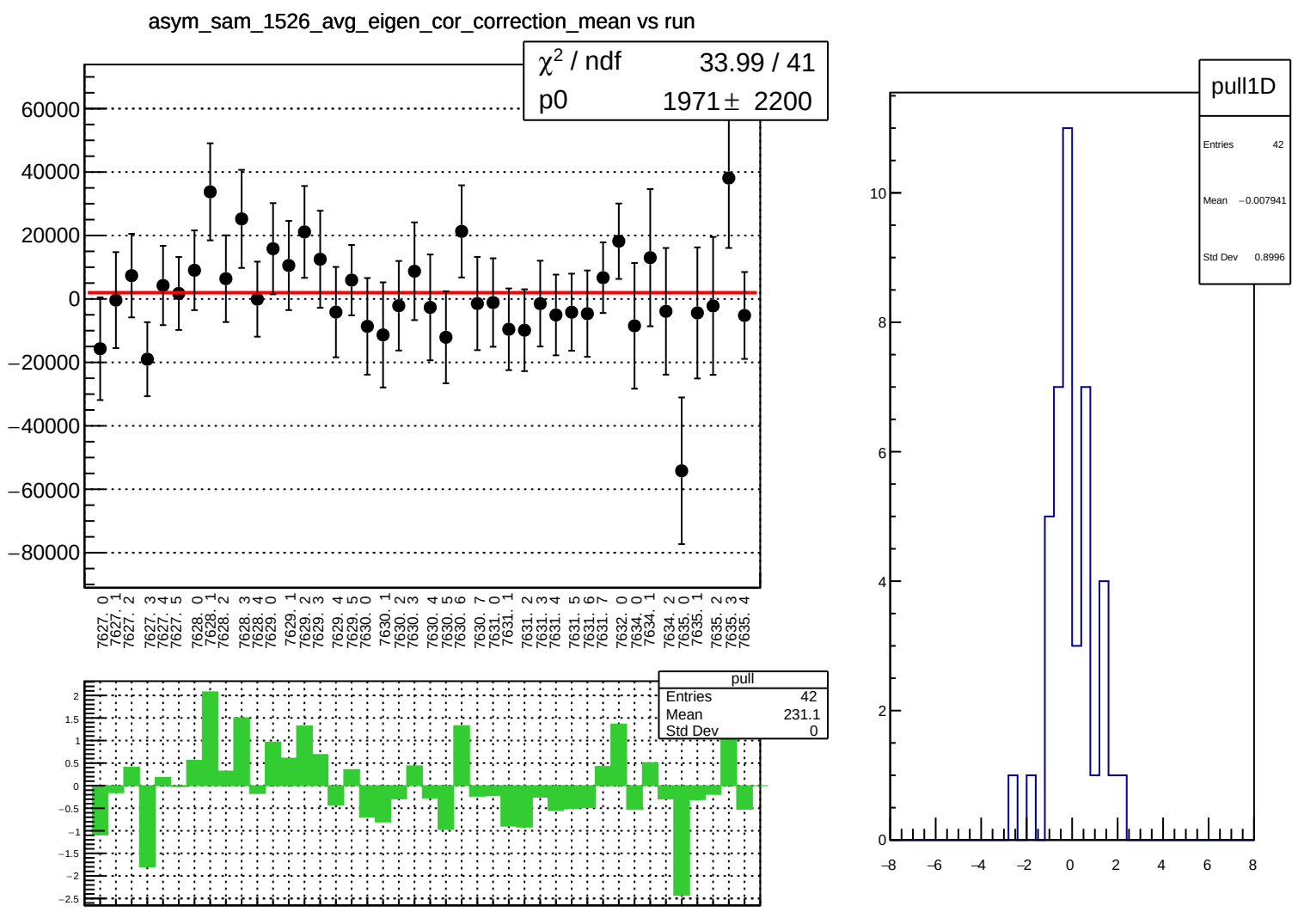
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 33.99 / 41
p0 1971 ± 2200
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7630. 2
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7630. 4
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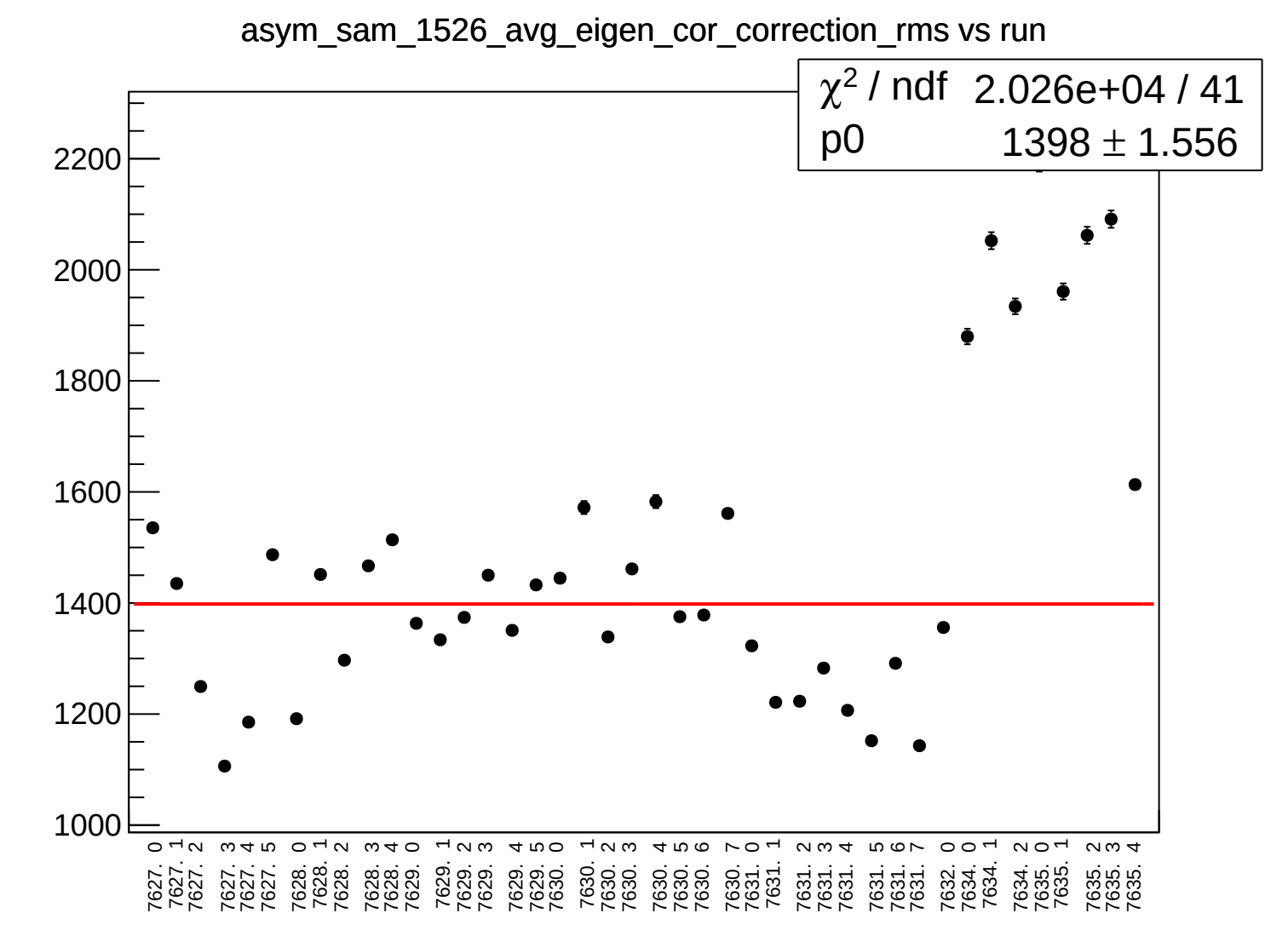
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 231.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.007941
Std Dev 0.8996
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.026e+04 / 41
p0 1398 ± 1.556
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
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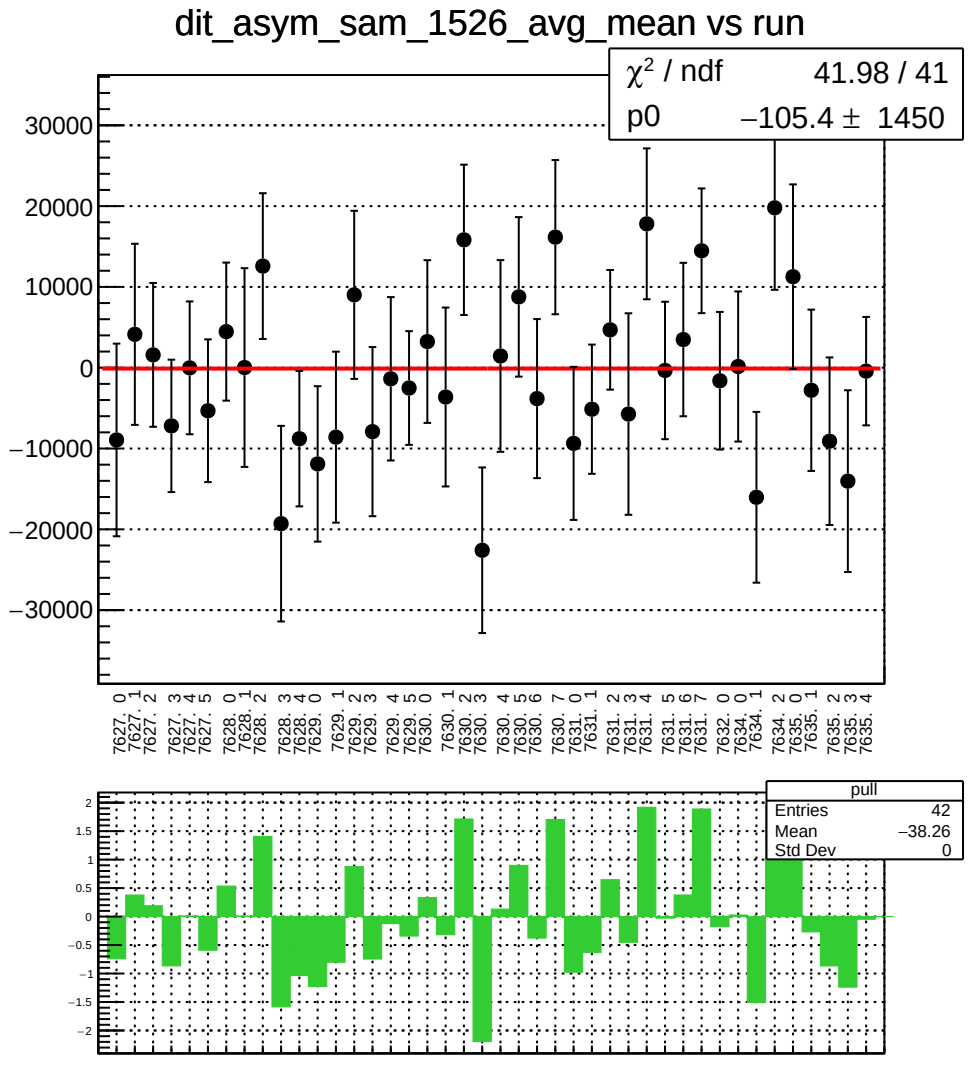
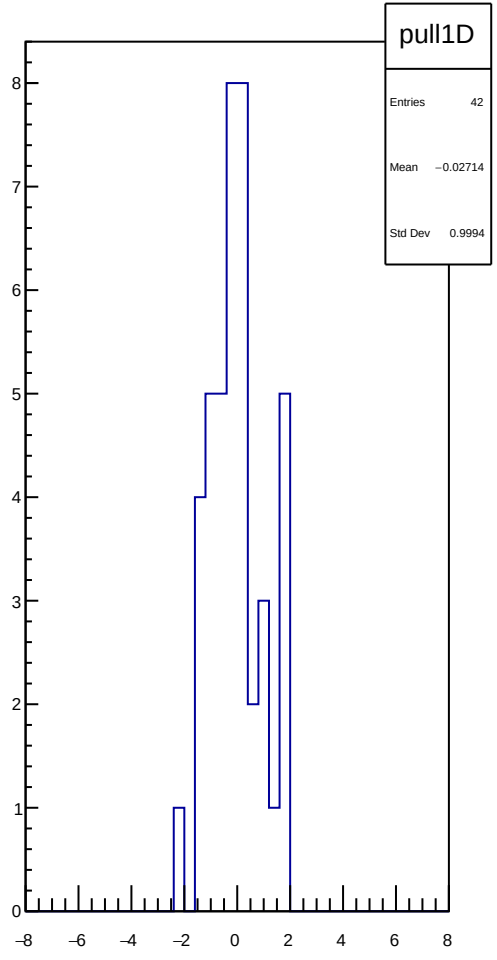
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_sam_1526_avg_mean vs run
χ² / ndf 41.98 / 41
p0 −105.4 ± 1450
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −38.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean −0.02714
Std Dev 0.9994
8
7
6
5
4
3
2
1
0
−8
−6
−4
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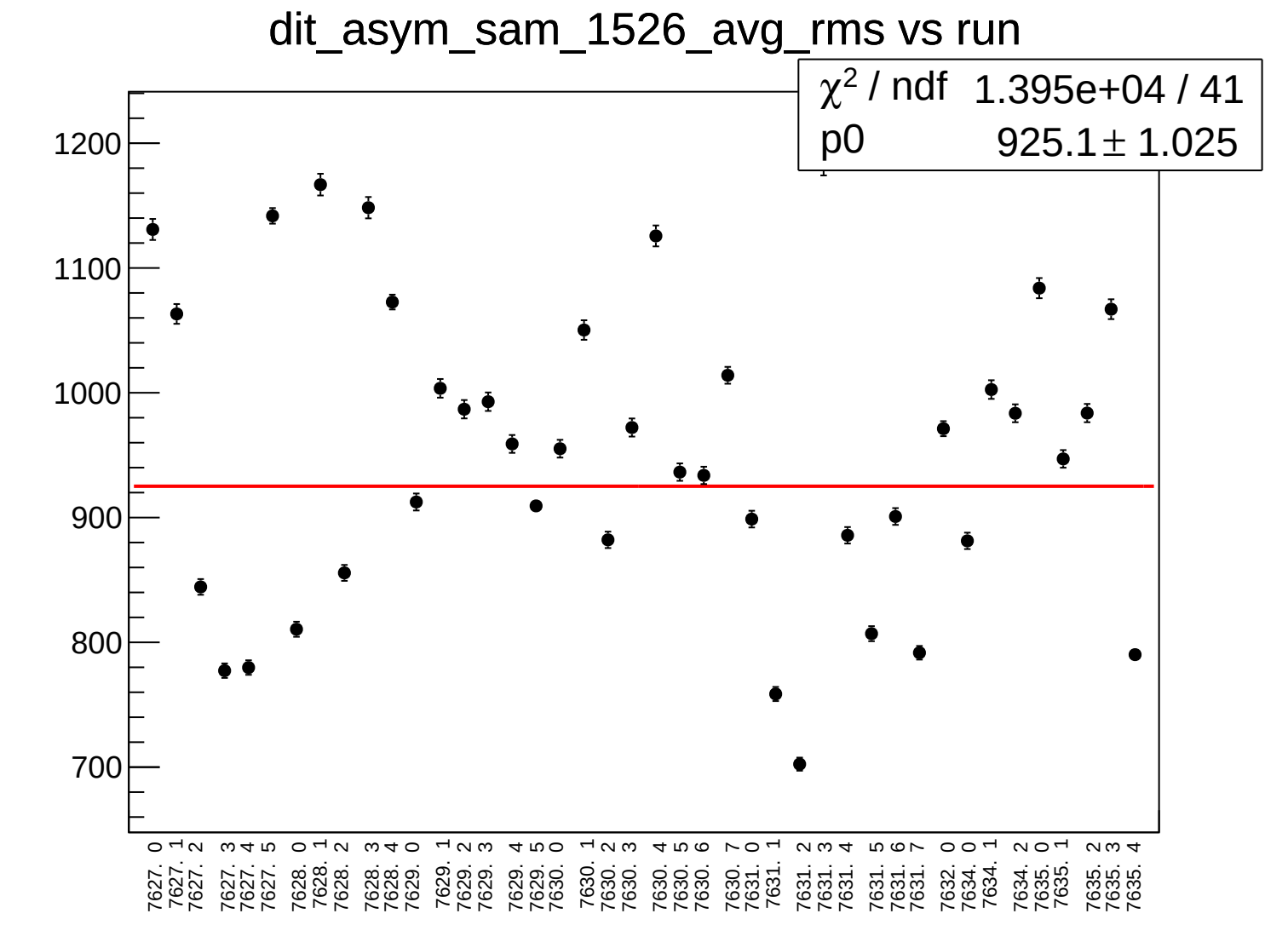
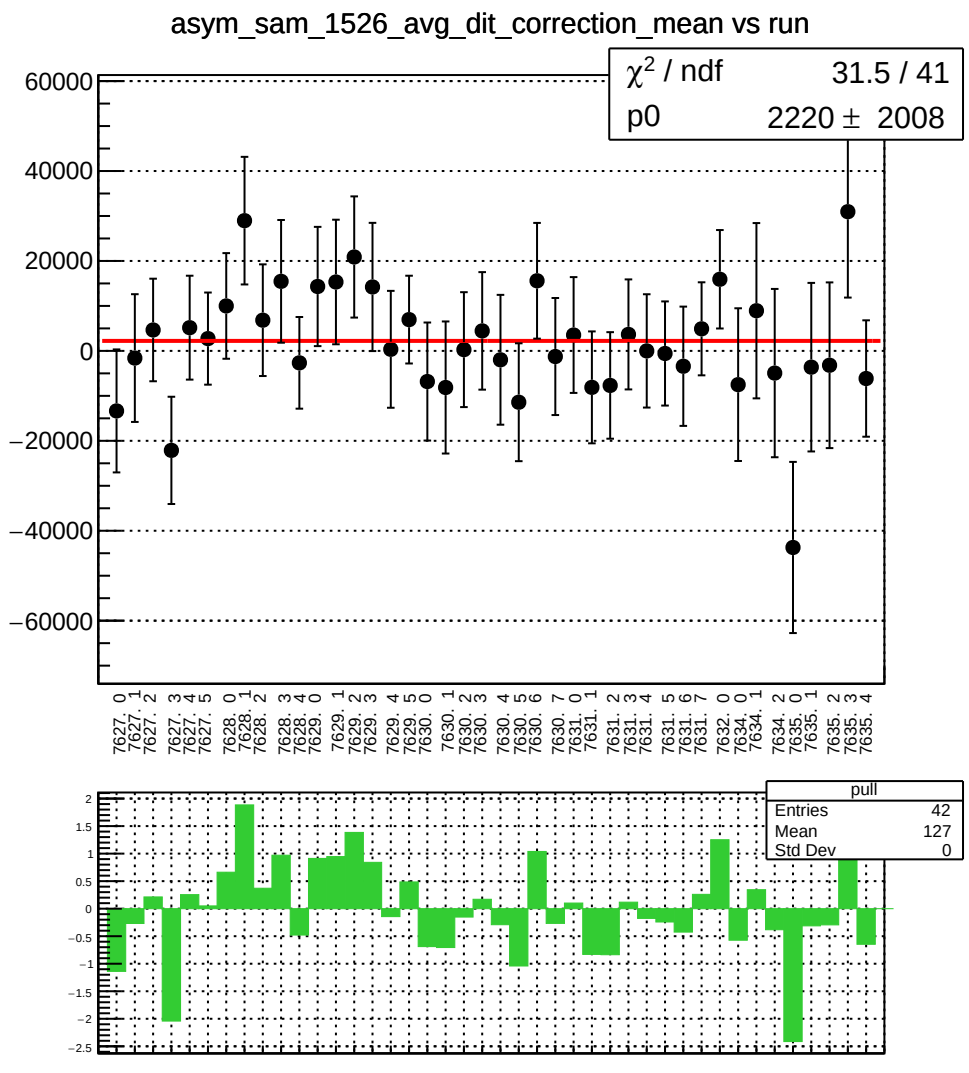
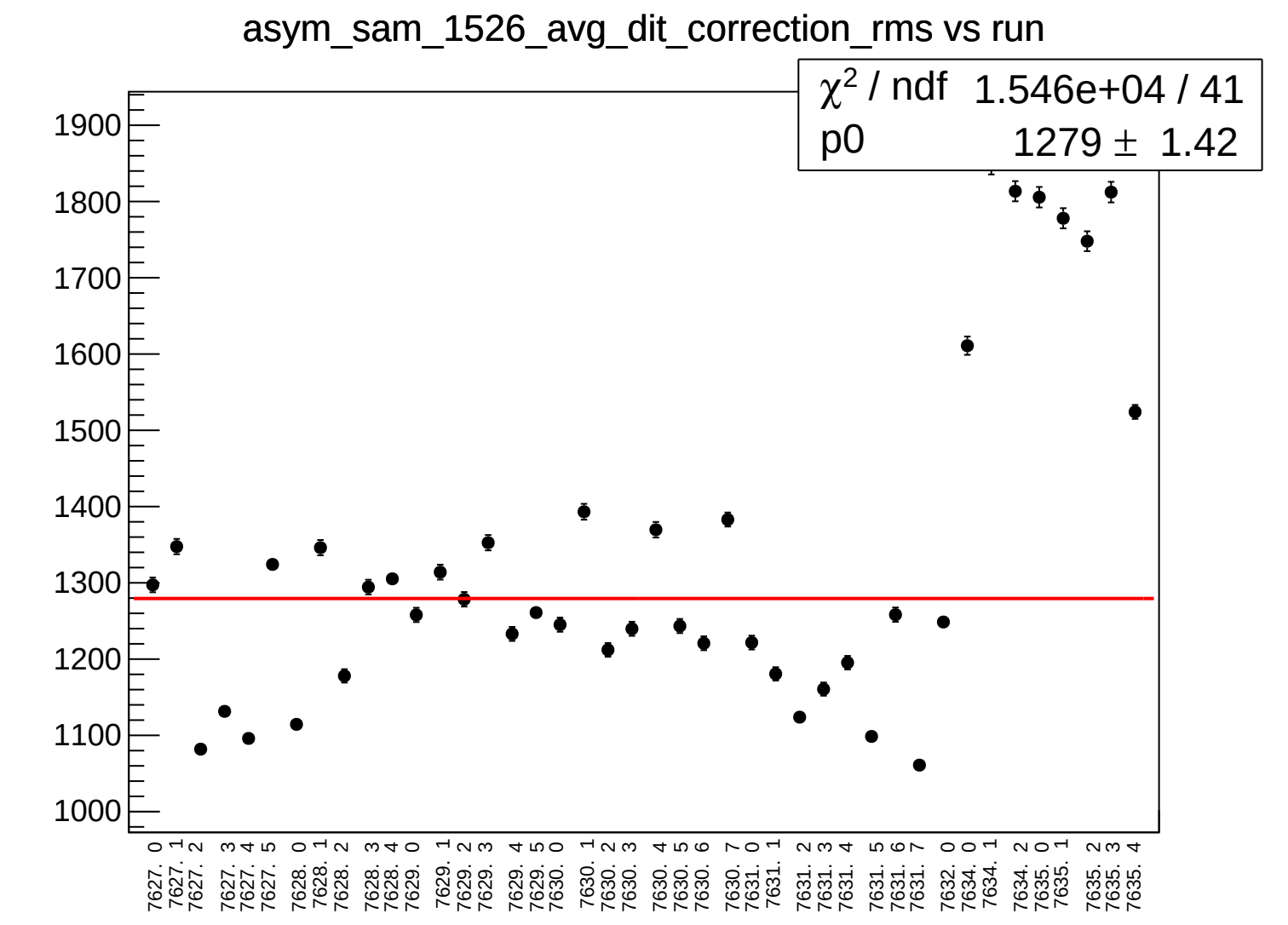
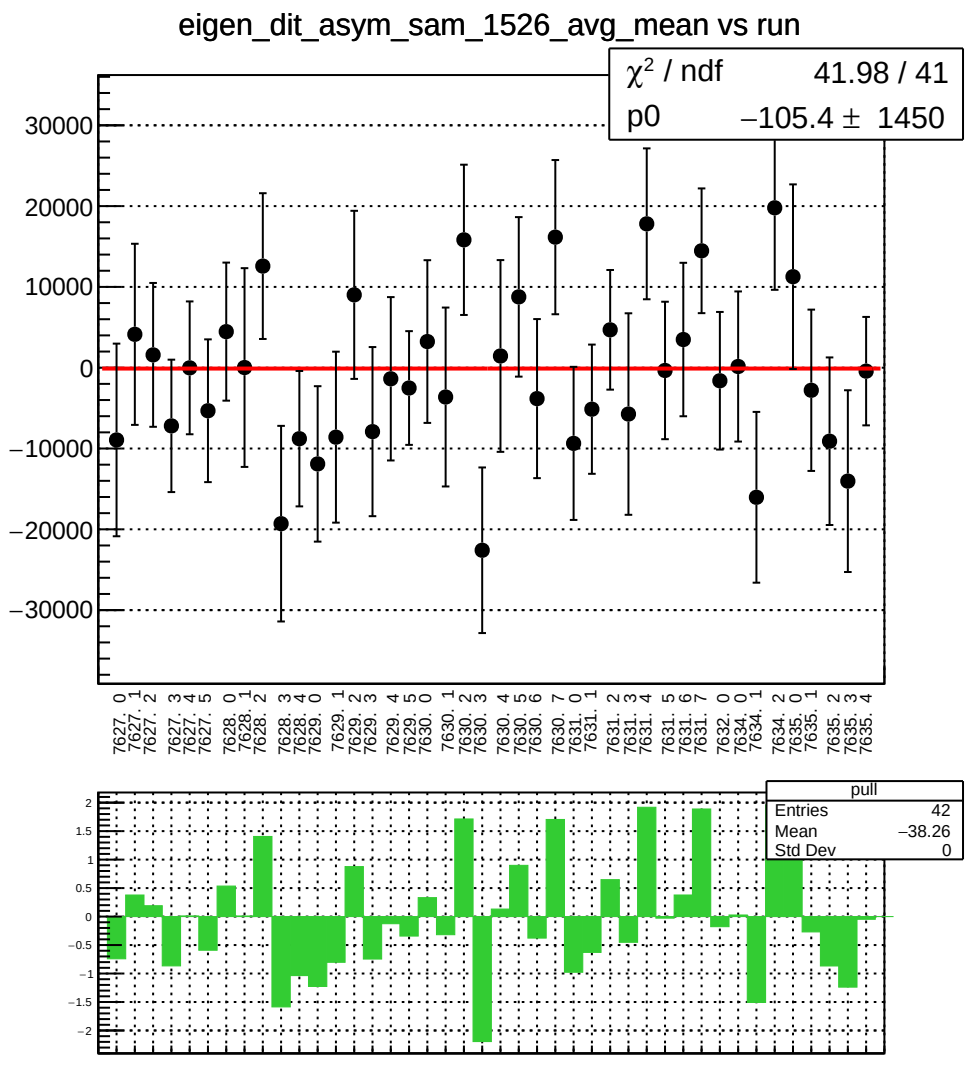
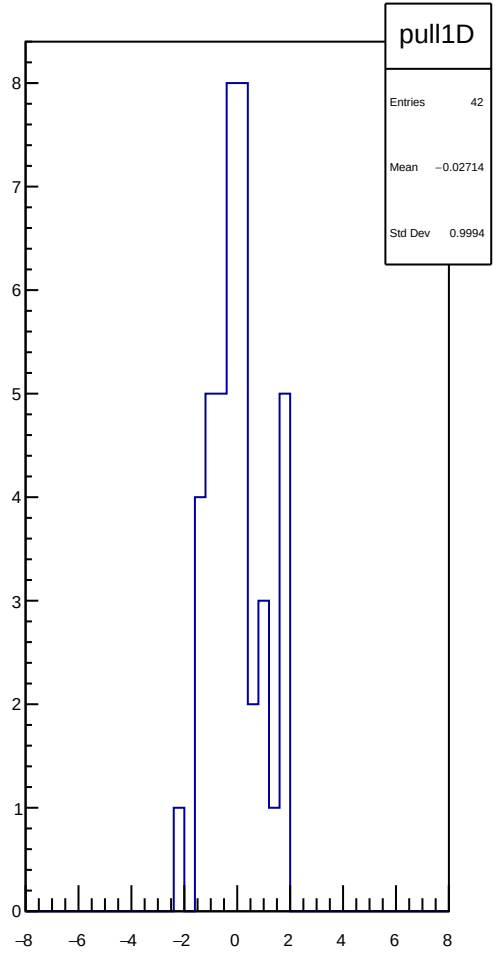
2
4
6
8

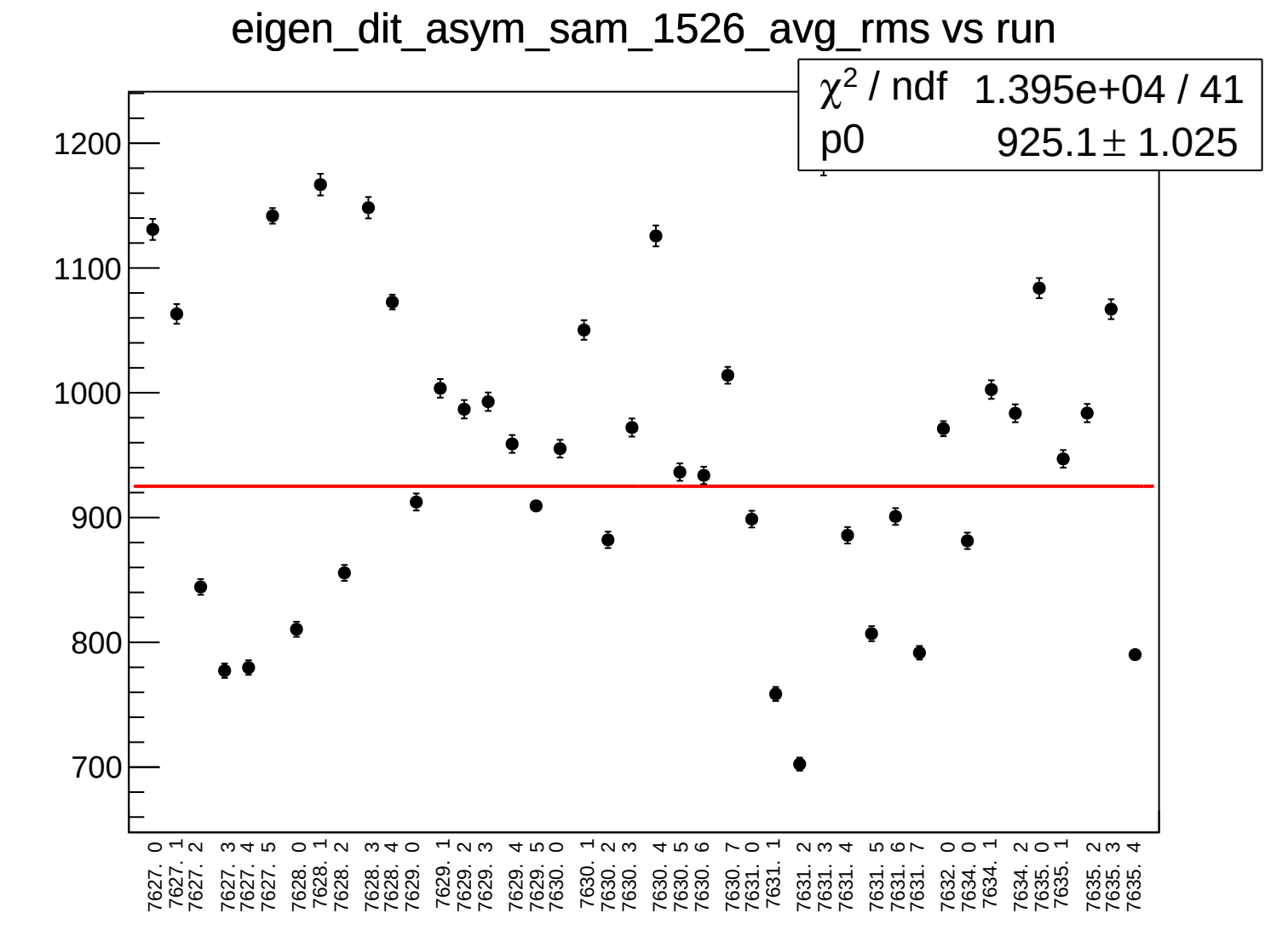

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.395e+04 / 41
p0 925.1 ± 1.025
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

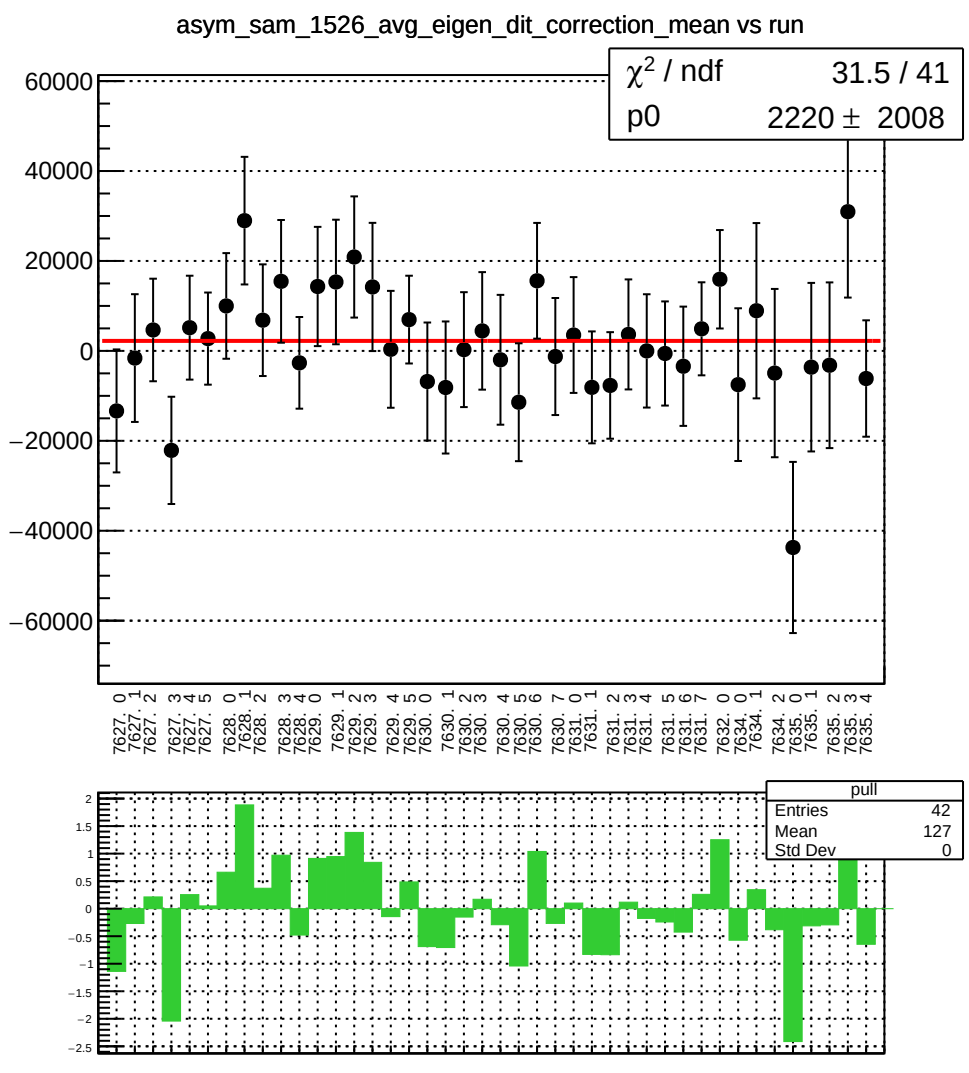

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 31.5 / 41
p0 2220 ± 2008
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 127
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01385
Std Dev 0.8659
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

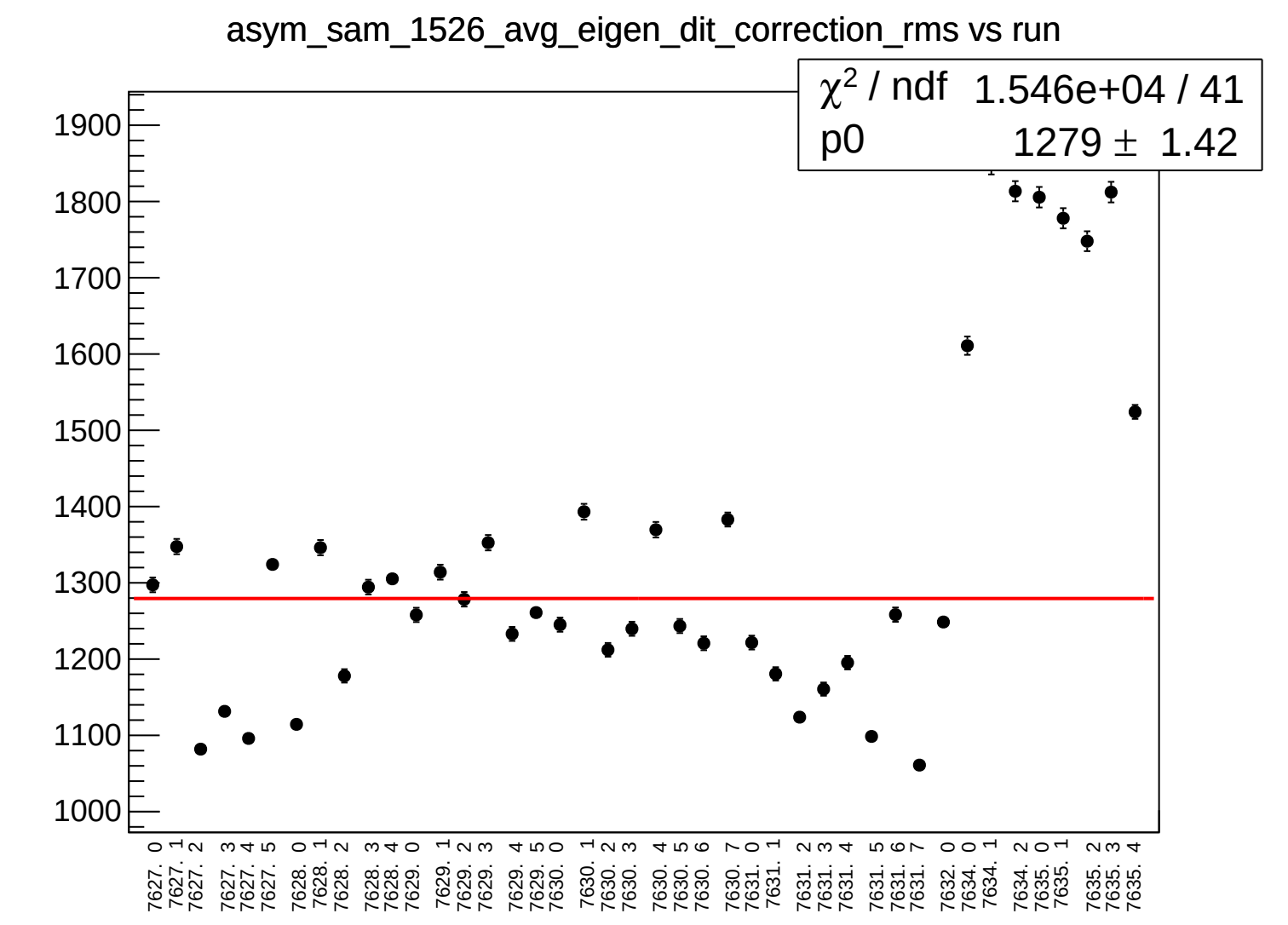

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 1.546e+04 / 41
p0 1279 ± 1.42
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

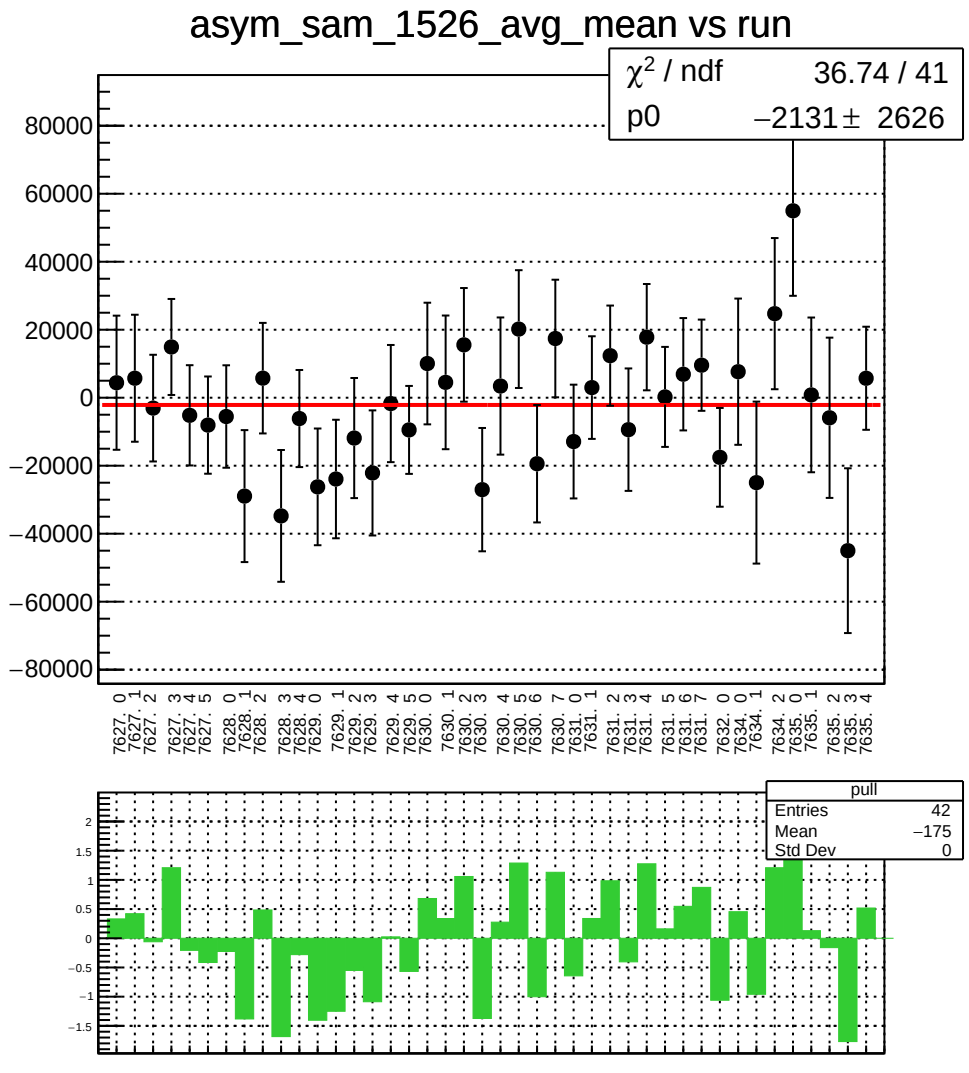

eigen_dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 41.98 / 41
p0 −105.4 ± 1450
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −38.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

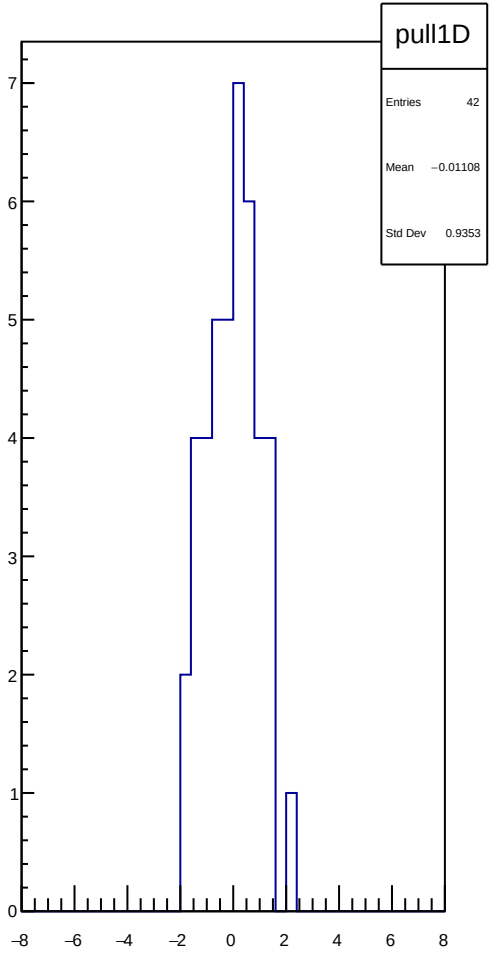

pull1D
Entries 42
Mean −0.02714
Std Dev 0.9994
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

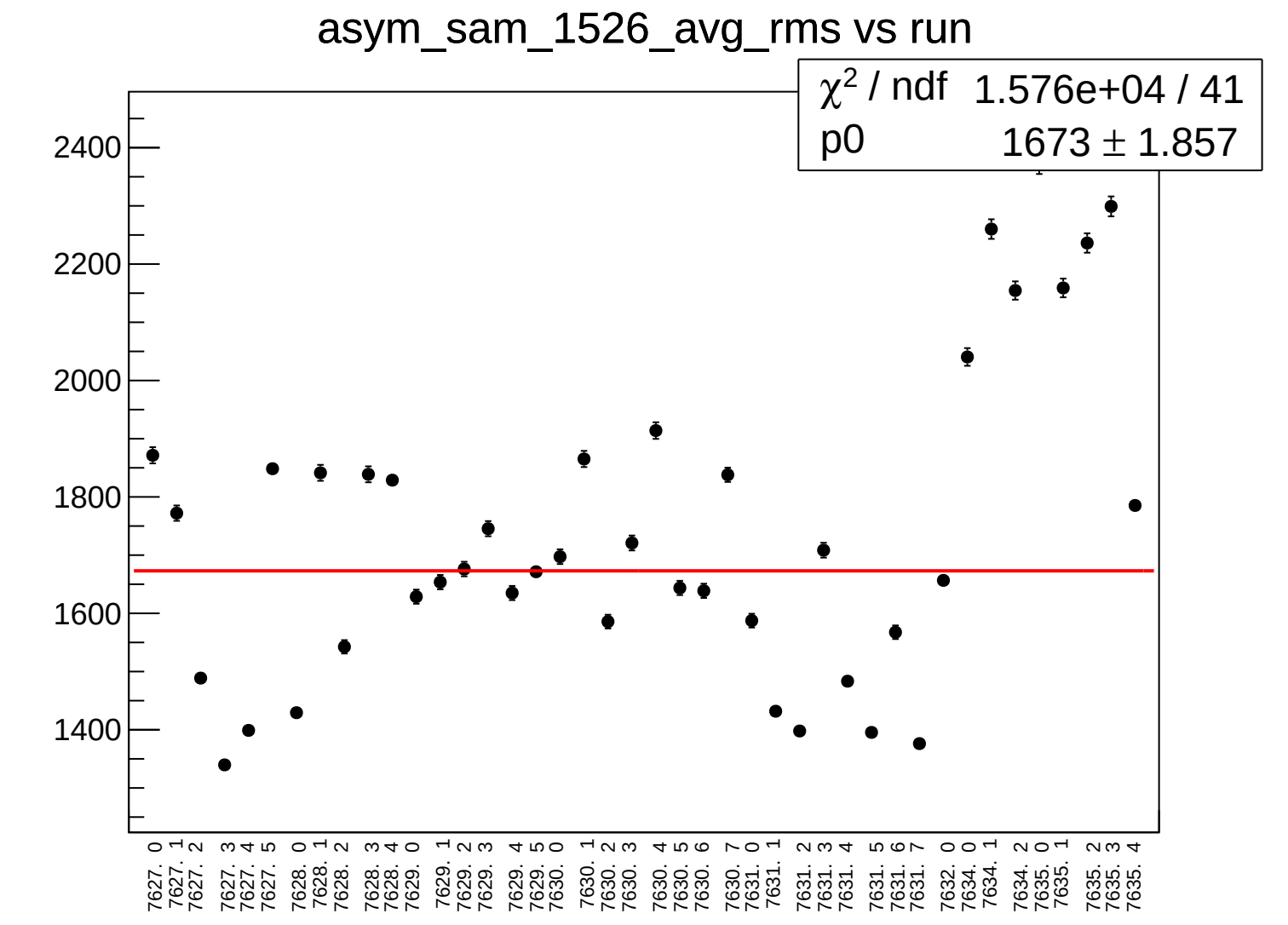

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.395e+04 / 41
p0 925.1 ± 1.025
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

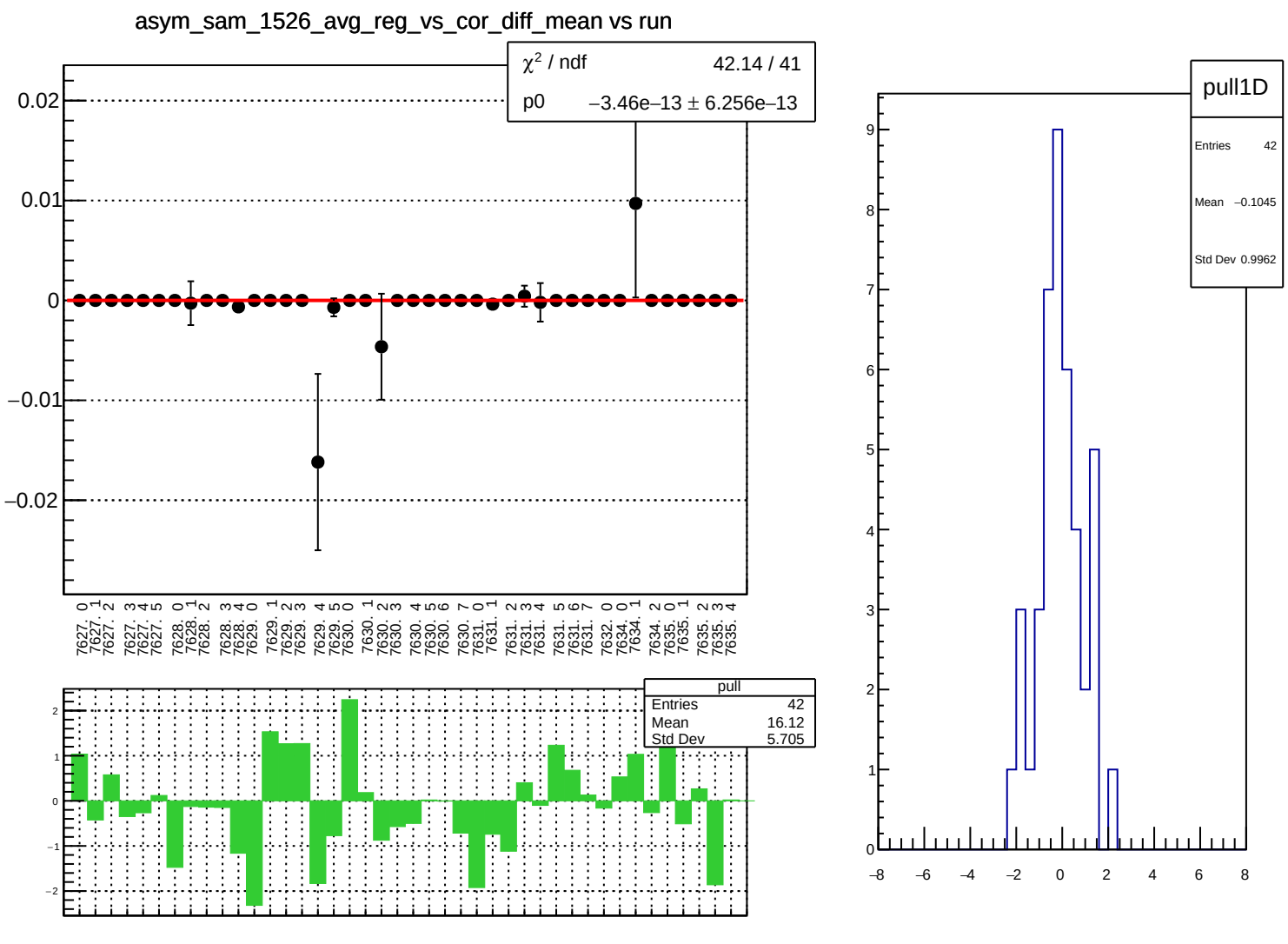

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 31.5 / 41
p0 2220 ± 2008
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 127
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01385
Std Dev 0.8659
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

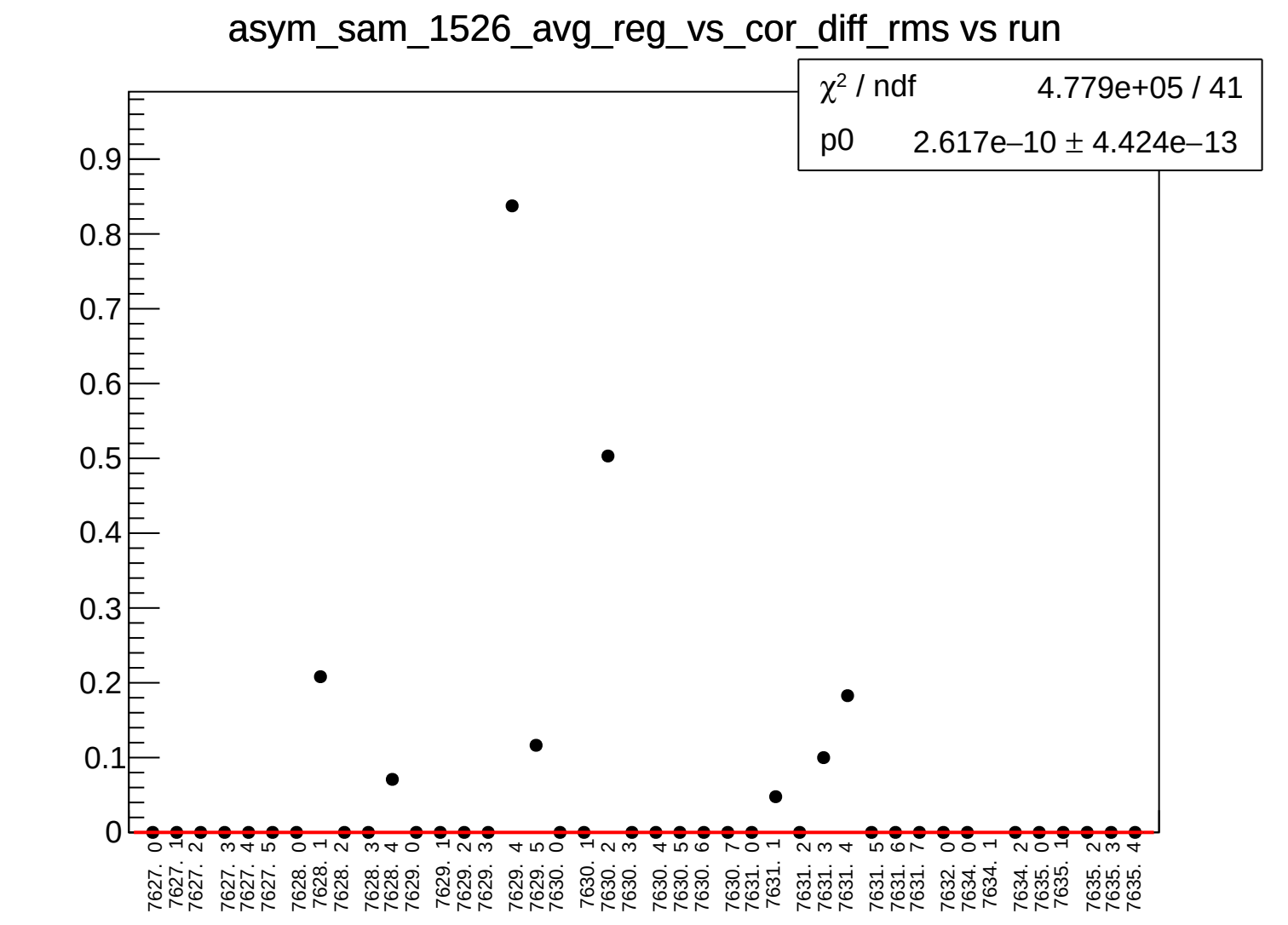

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.546e+04 / 41
p0 1279 ± 1.42
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

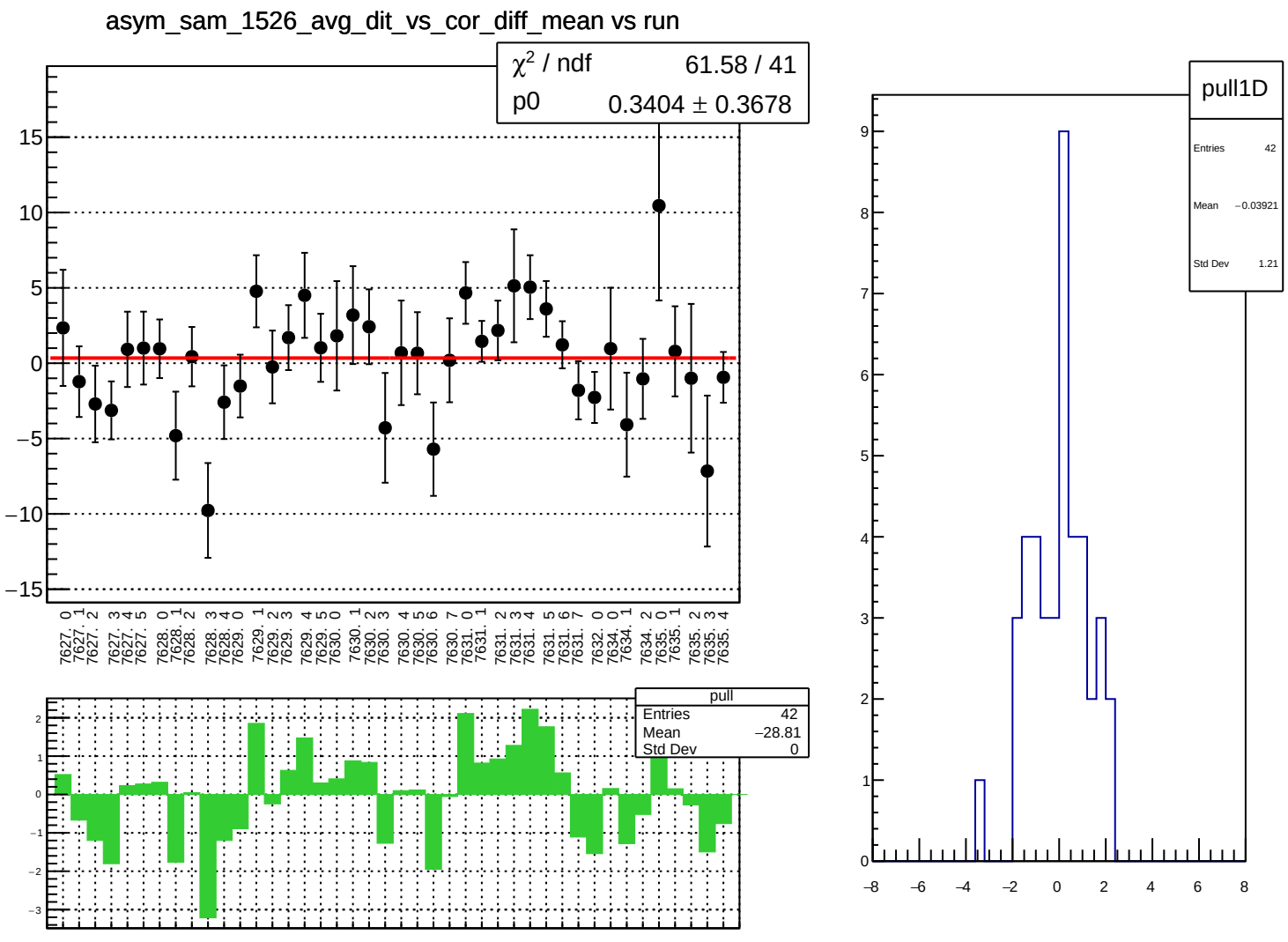

asym_sam_1526_avg_mean vs run
χ² / ndf 36.74 / 41
p0 −2131 ± 2626
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −175
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

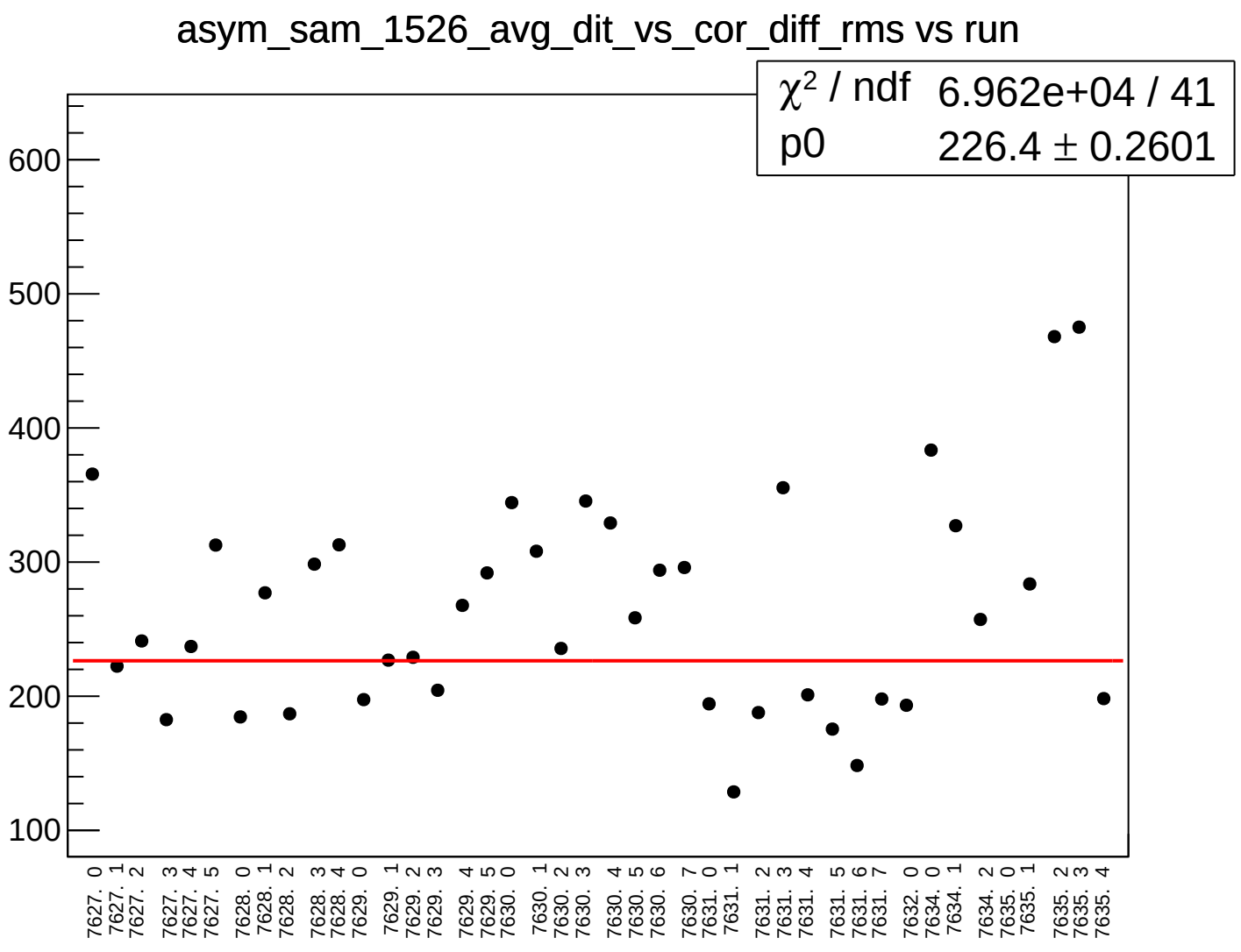

pull1D
Entries 42
Mean −0.01108
Std Dev 0.9353
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

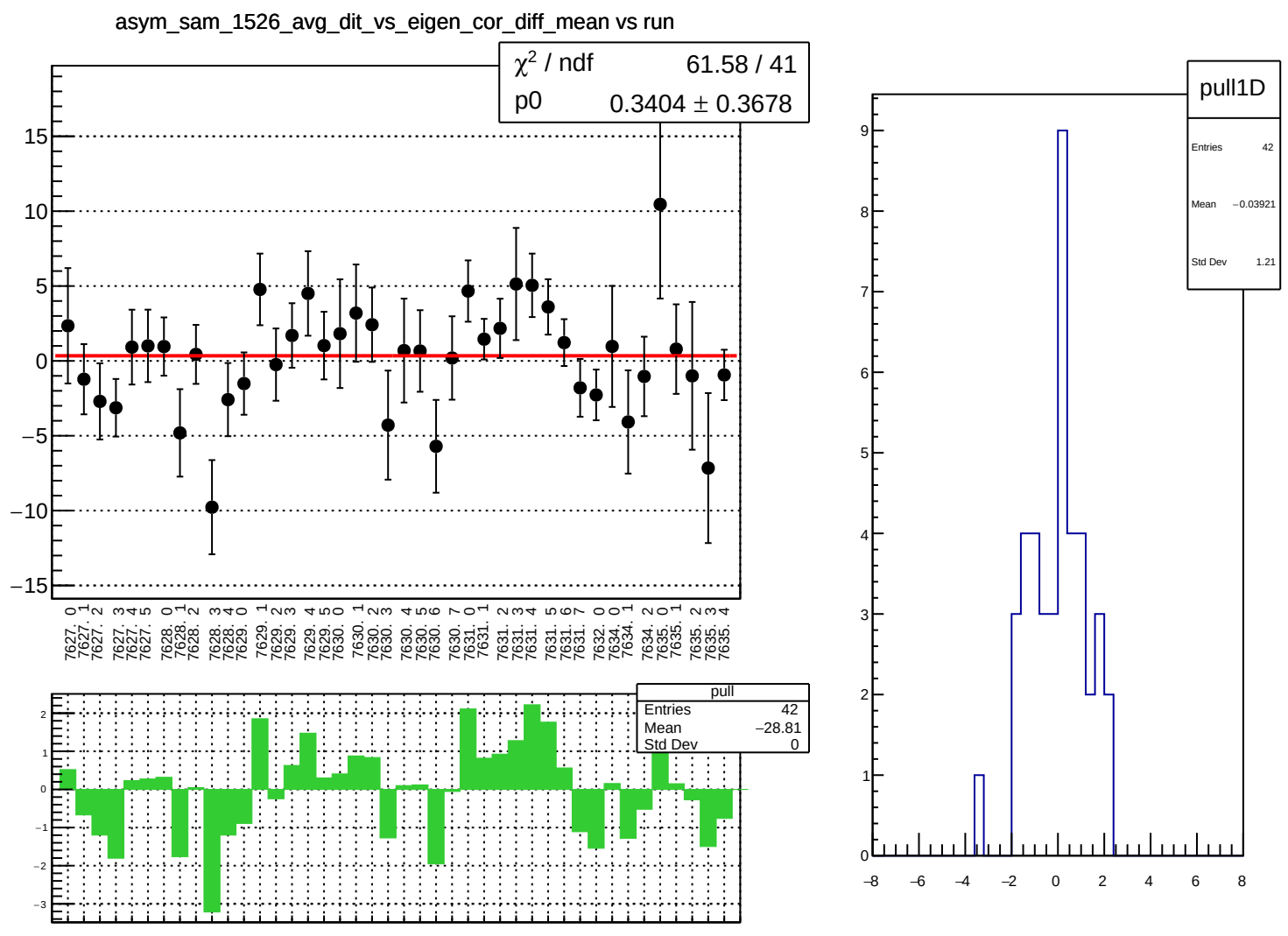

asym_sam_1526_avg_rms vs run
χ² / ndf 1.576e+04 / 41
p0 1673 ± 1.857
2400
2200
2000
1800
1600
1400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

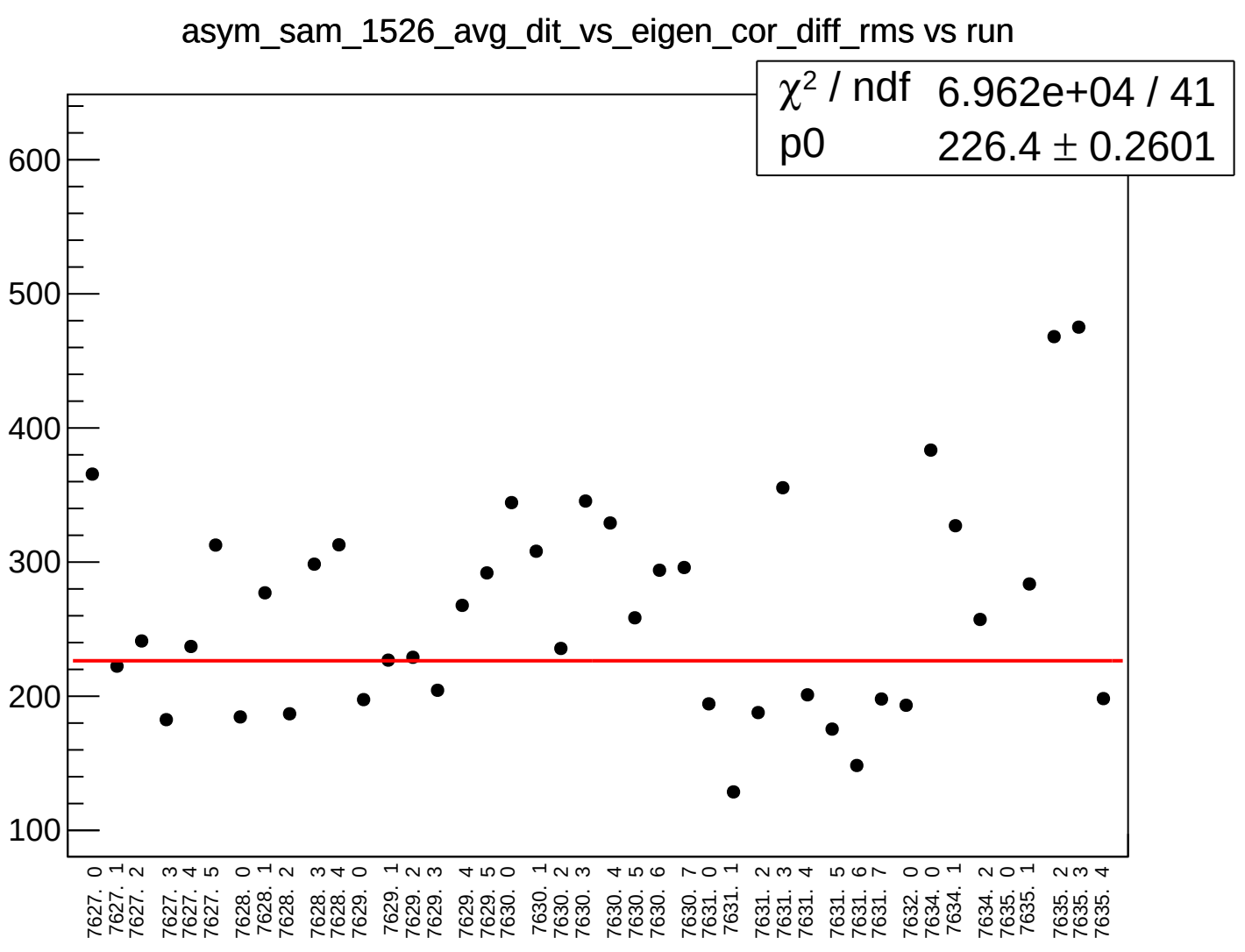

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.14 / 41
p0 −3.46e−13 ± 6.256e−13
0.02
0.01
0
−0.01
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 16.12
Std Dev 5.705
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.1045
Std Dev 0.9962
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

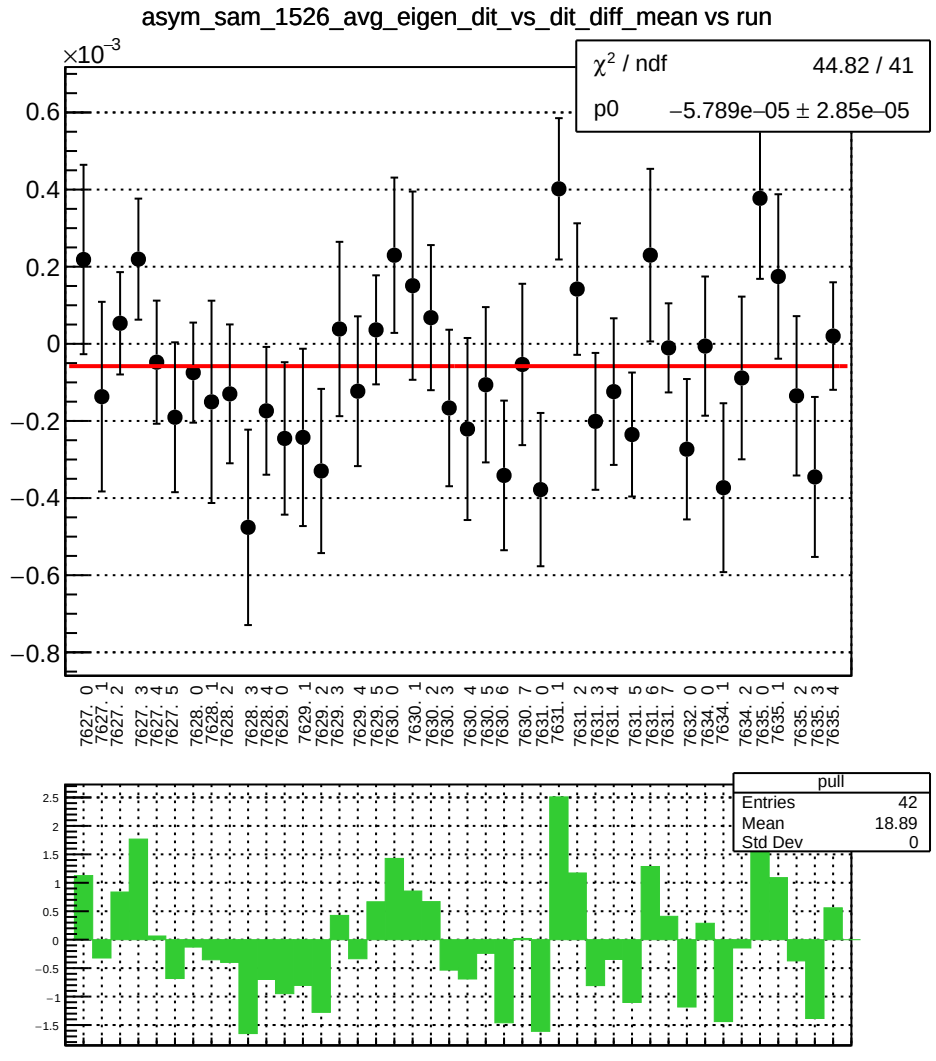

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.779e+05 / 41
p0 2.617e−10 ± 4.424e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

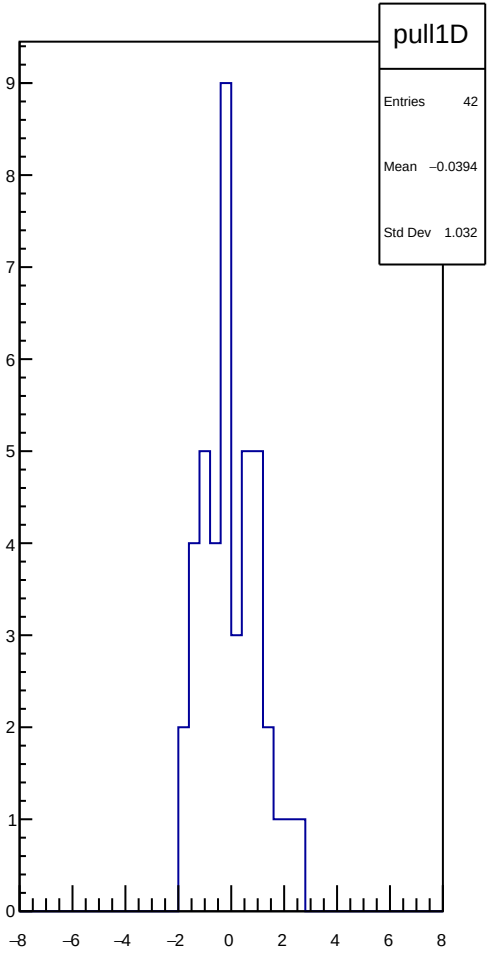

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 61.58 / 41
p0 0.3404 ± 0.3678
pull
Entries 42
Mean −28.81
Std Dev 0
pull1D
Entries 42
Mean −0.03921
Std Dev 1.21

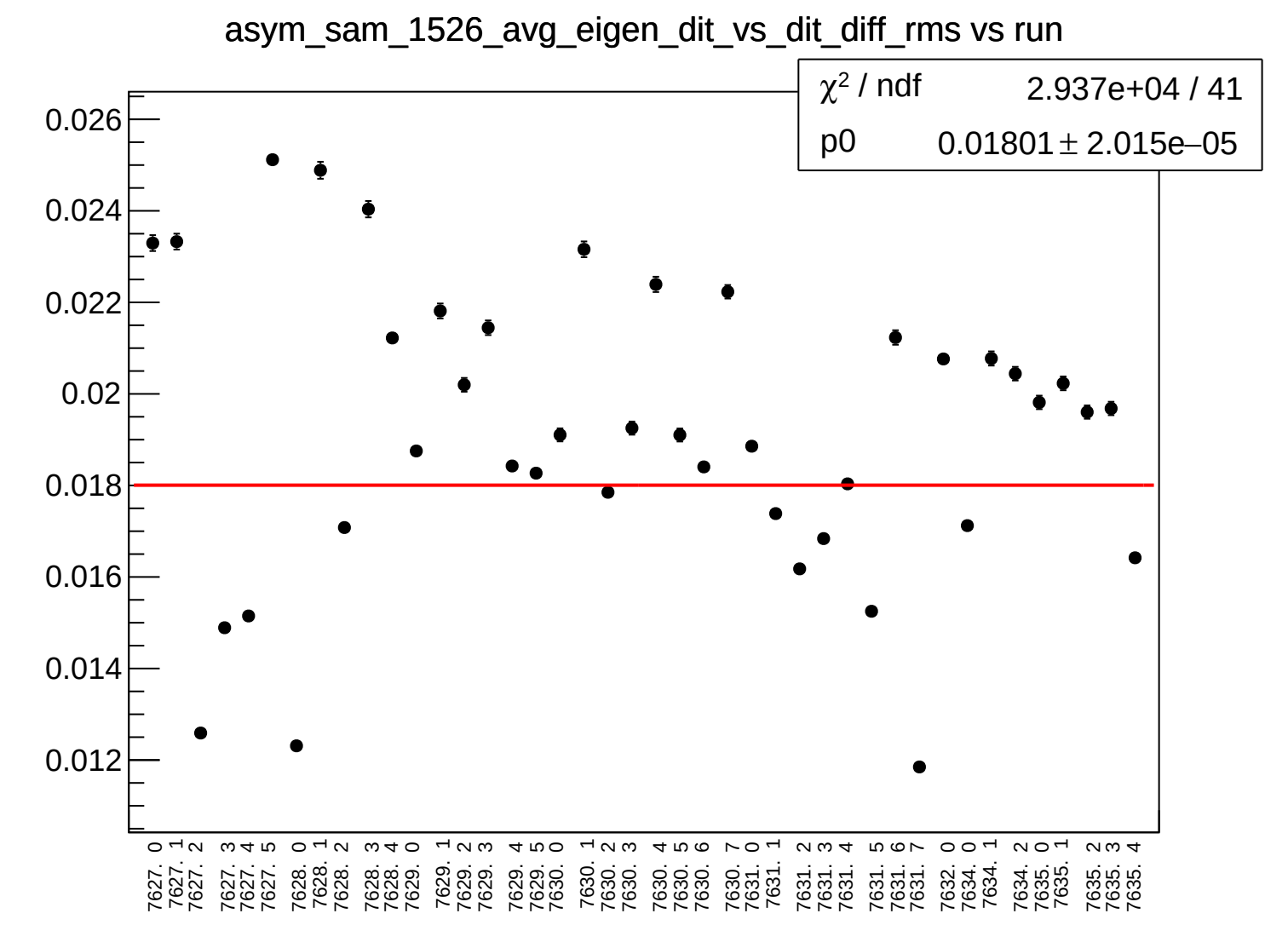

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.962e+04 / 41
p0 226.4 ± 0.2601
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

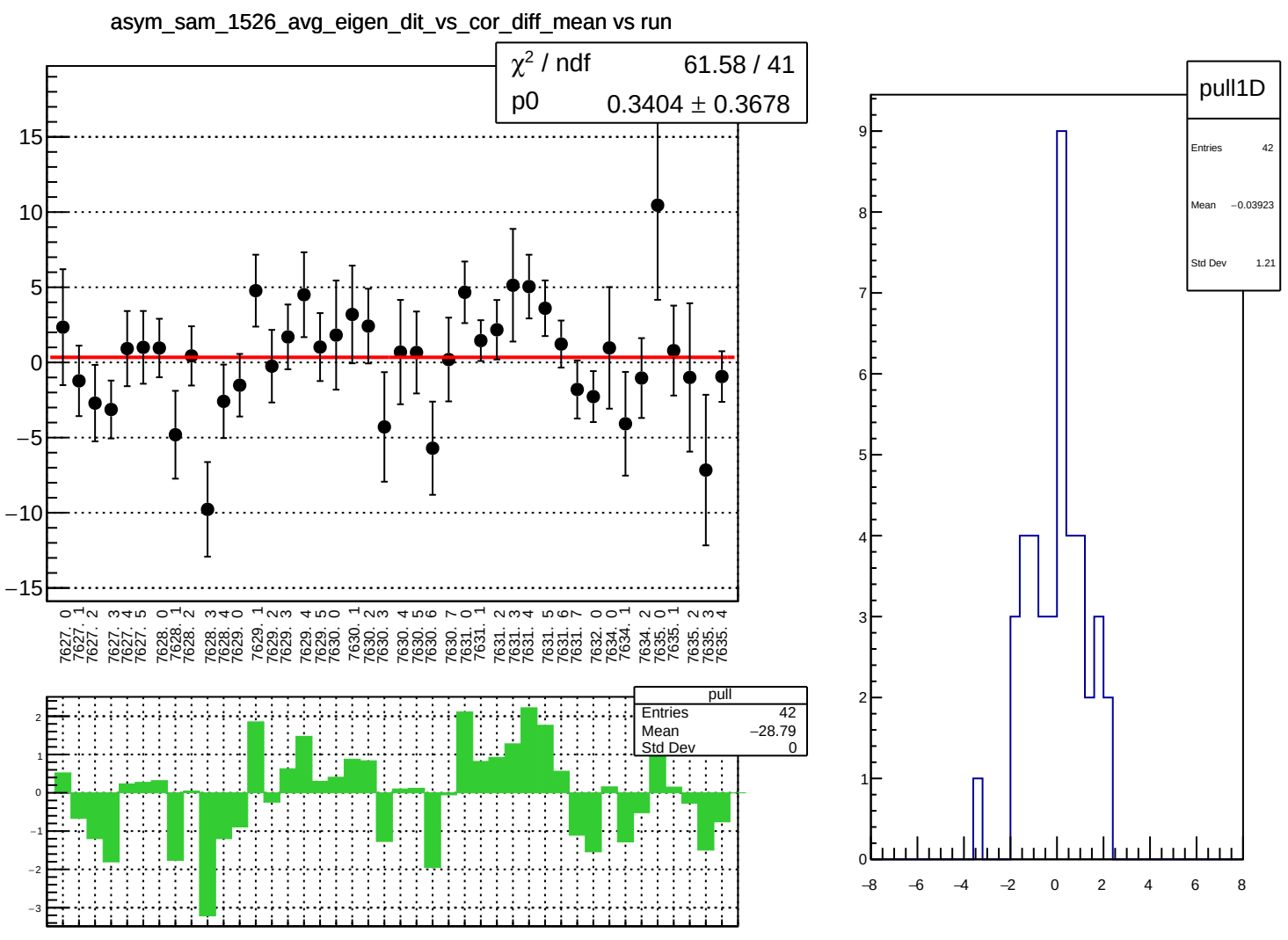

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.58 / 41
p0 0.3404 ± 0.3678
pull
Entries 42
Mean −28.81
Std Dev 0
pull1D
Entries 42
Mean −0.03921
Std Dev 1.21

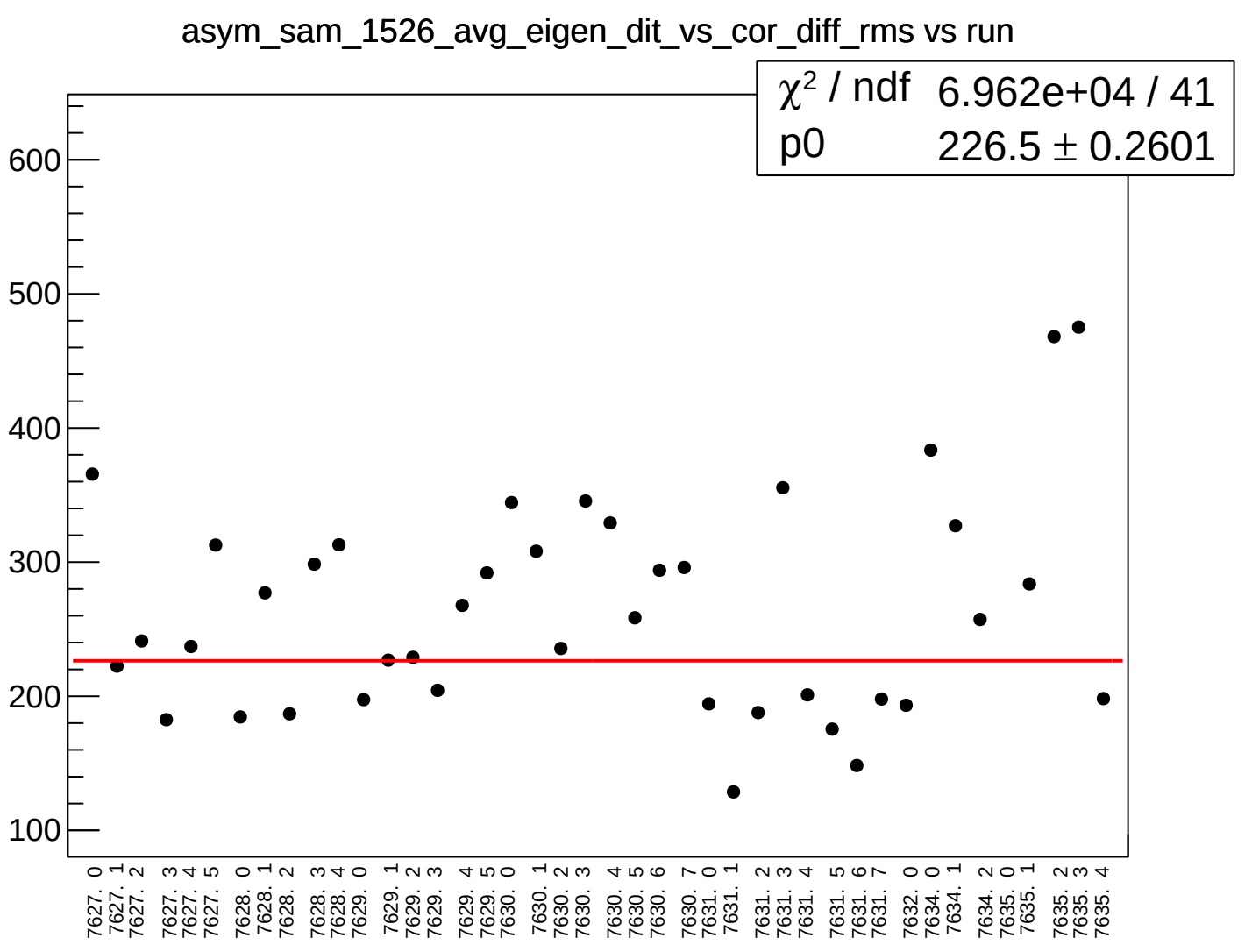

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.962e+04 / 41
p0 226.4 ± 0.2601
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

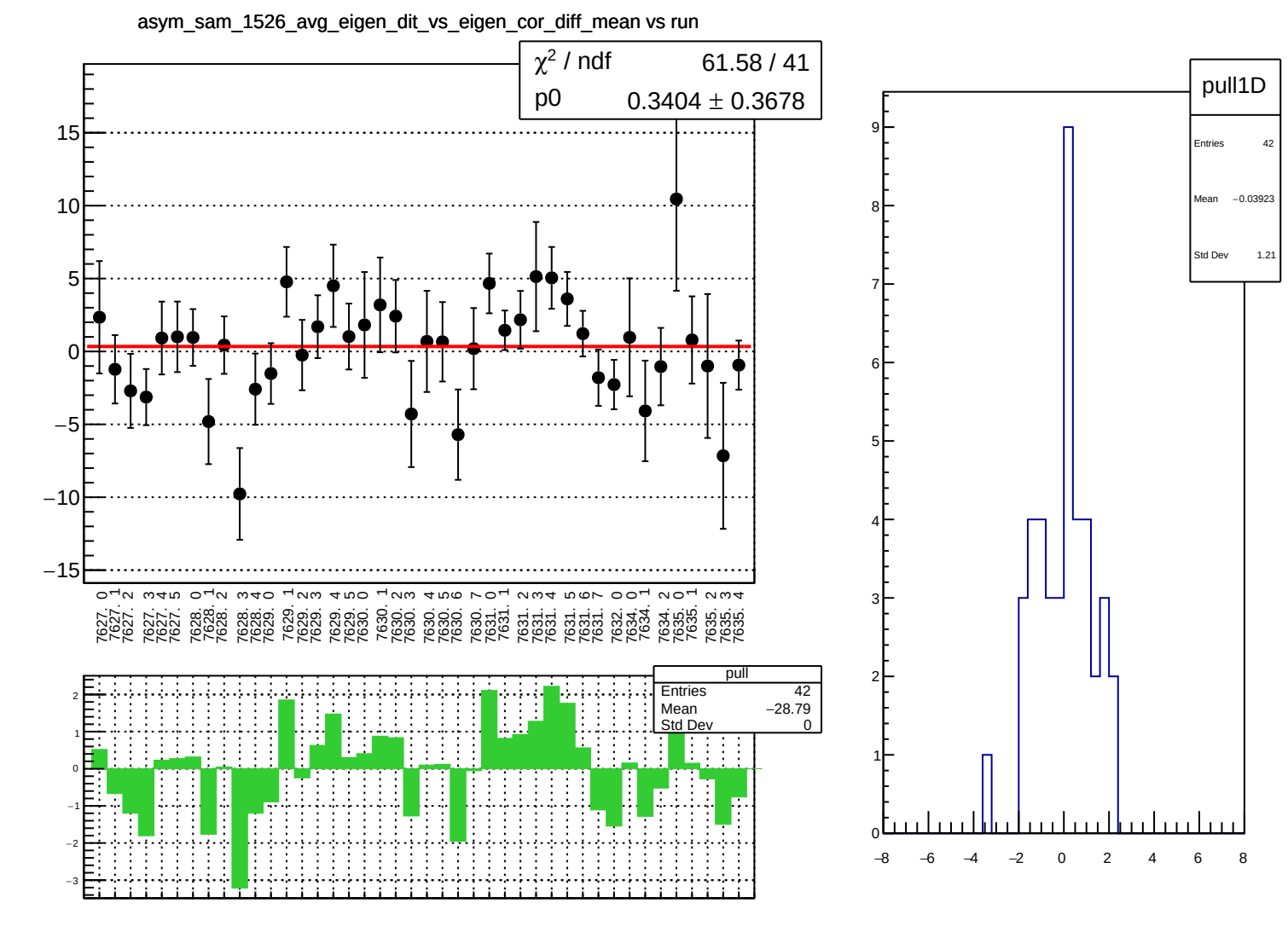

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.82 / 41
p0 −5.789e−05 ± 2.85e−05
pull
Entries 42
Mean 18.89
Std Dev 0

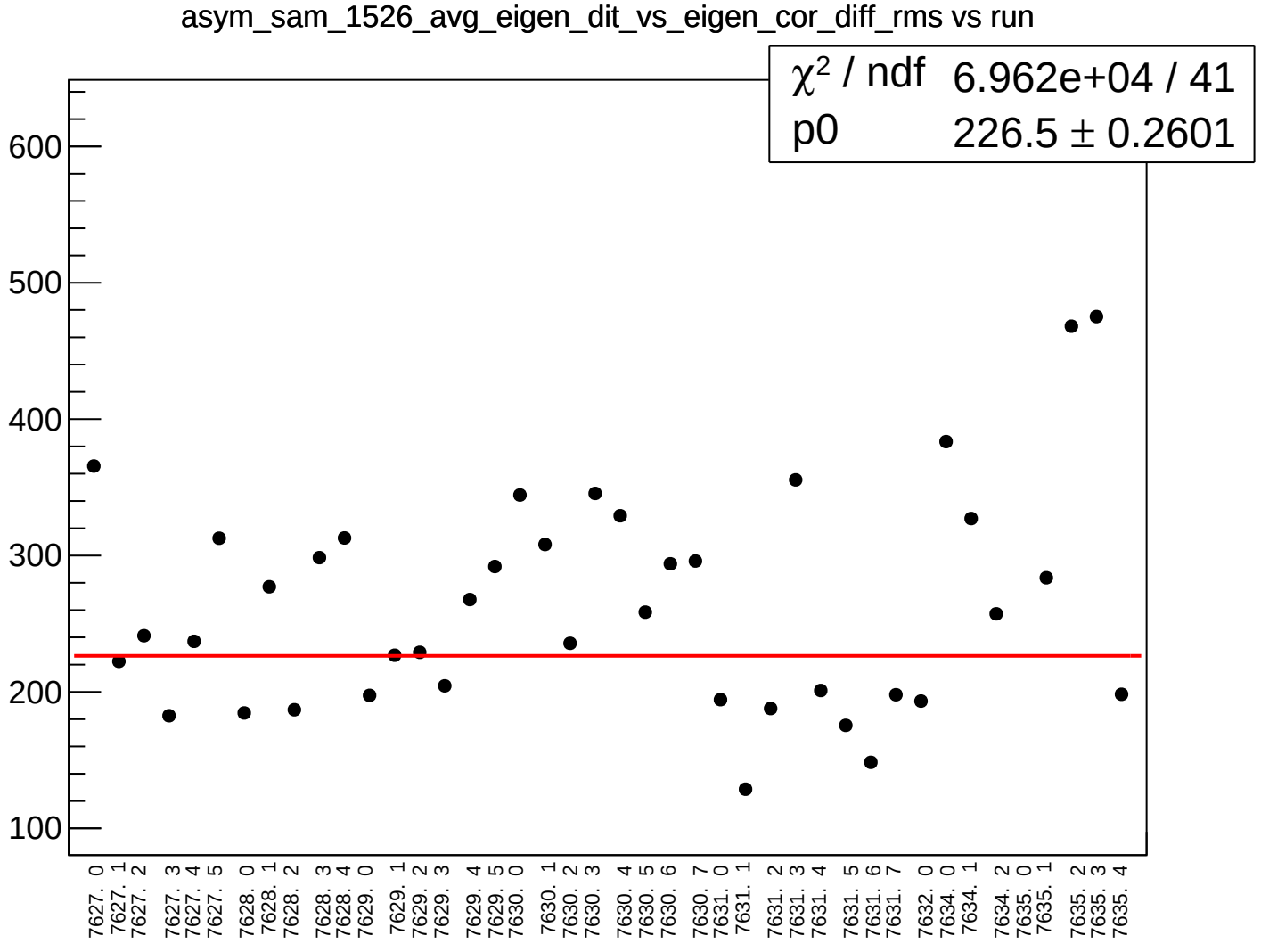

pull1D
Entries 42
Mean −0.0394
Std Dev 1.032

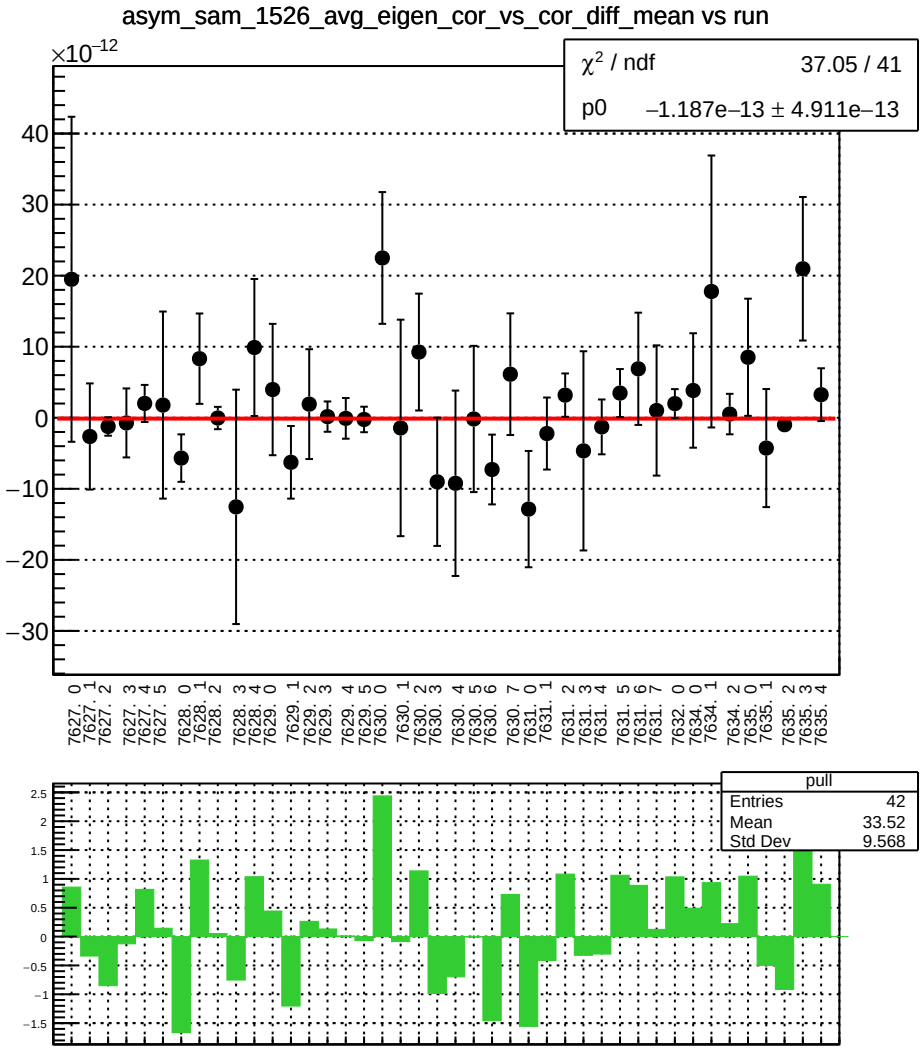

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.937e+04 / 41
p0 0.01801 ± 2.015e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

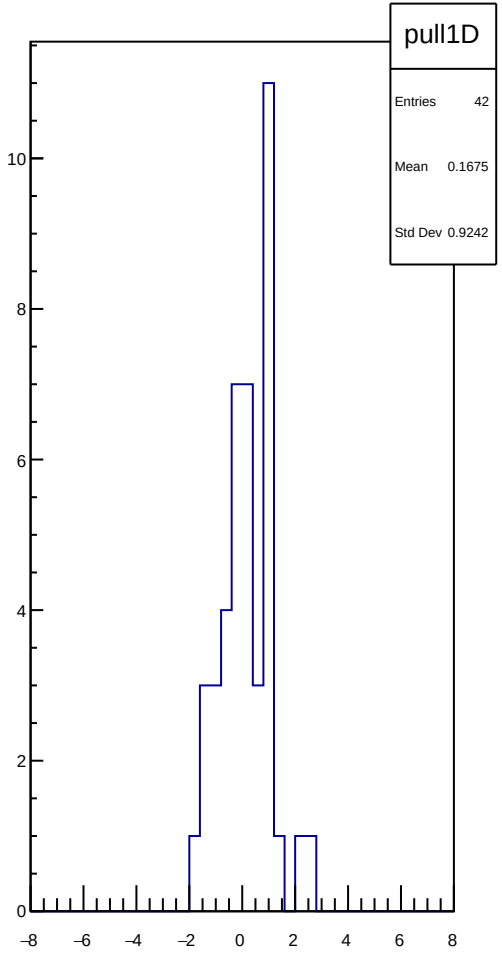

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.58 / 41
p0 0.3404 ± 0.3678
pull
Entries 42
Mean −28.79
Std Dev 0
pull1D
Entries 42
Mean −0.03923
Std Dev 1.21

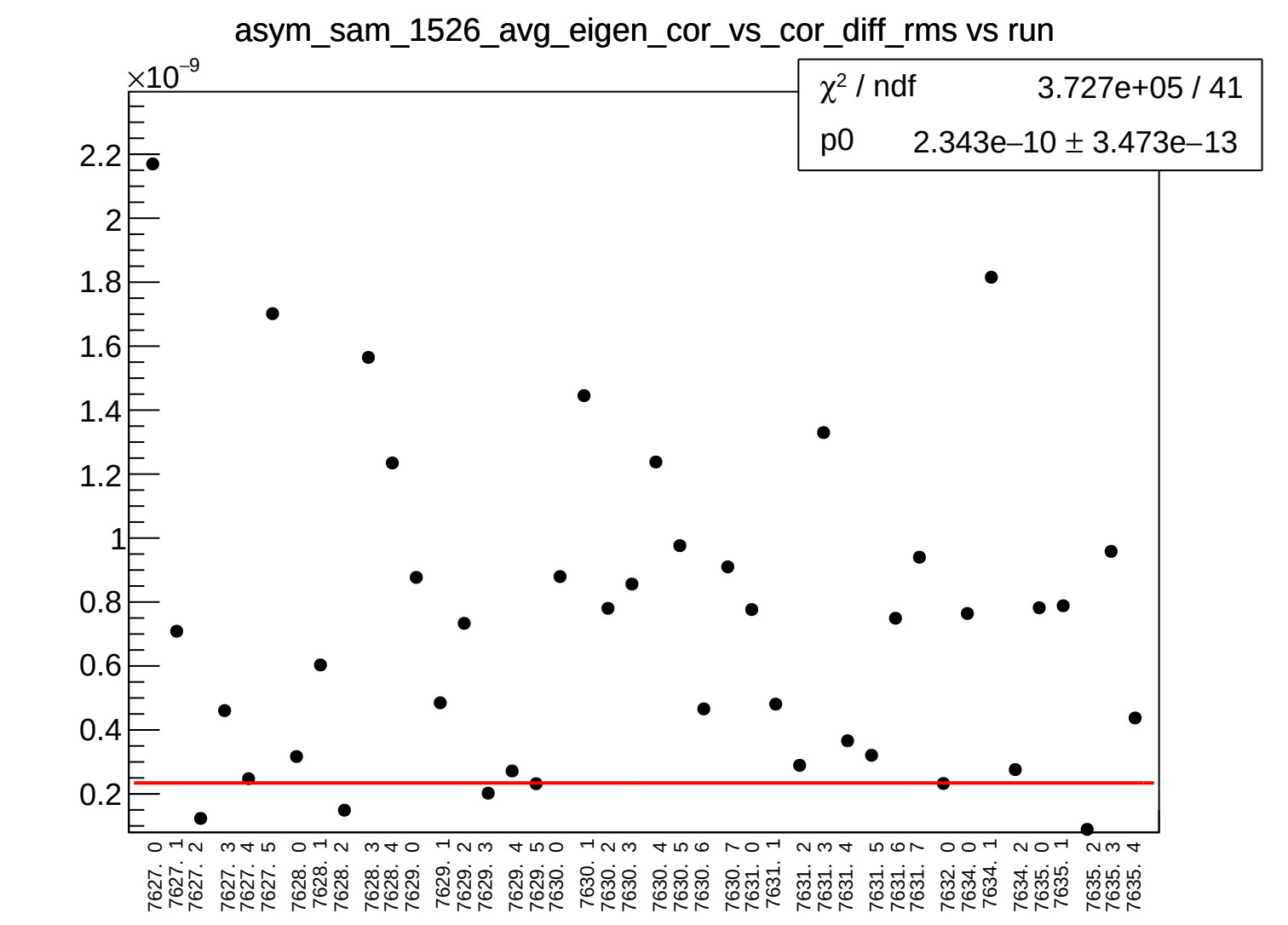

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.962e+04 / 41
p0 226.5 ± 0.2601
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

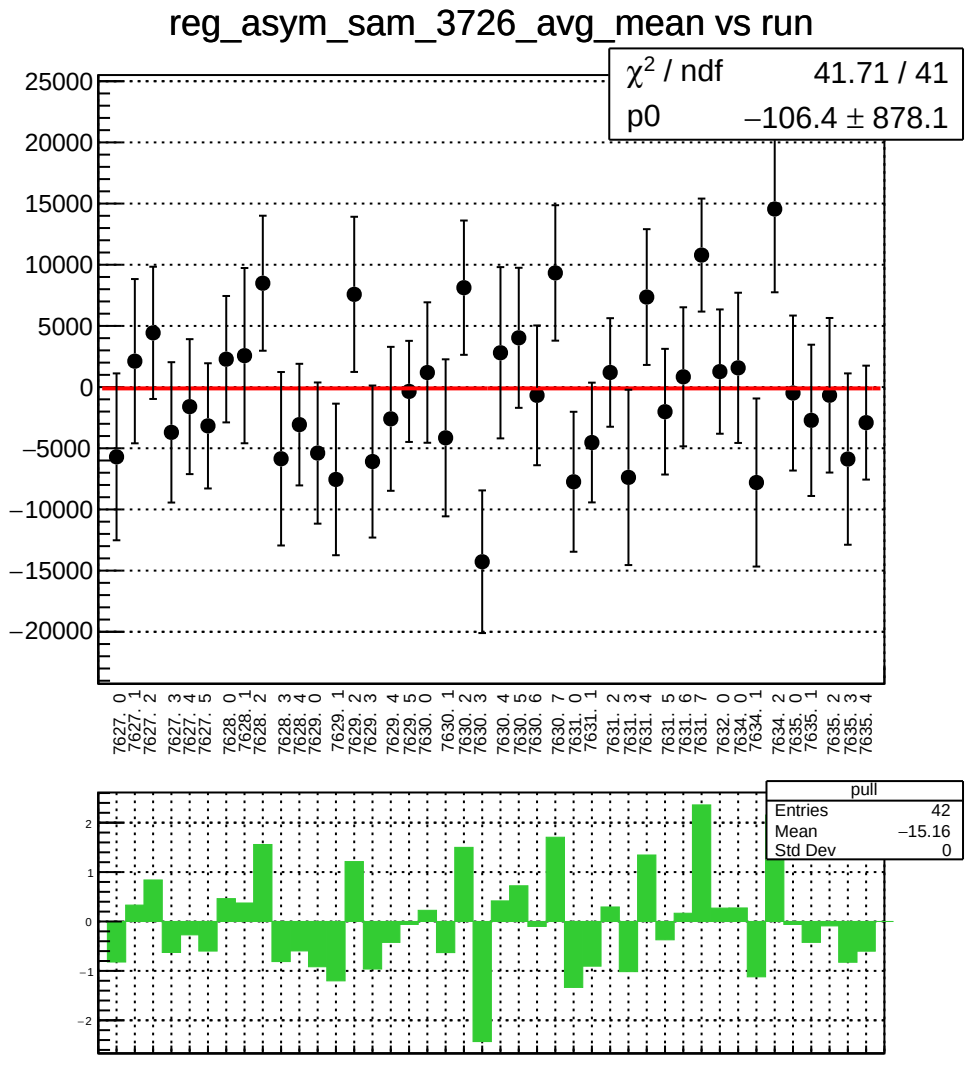

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.58 / 41
p0 0.3404 ± 0.3678
15
10
5
0
−5
−10
−15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.79
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.03923
Std Dev 1.21
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

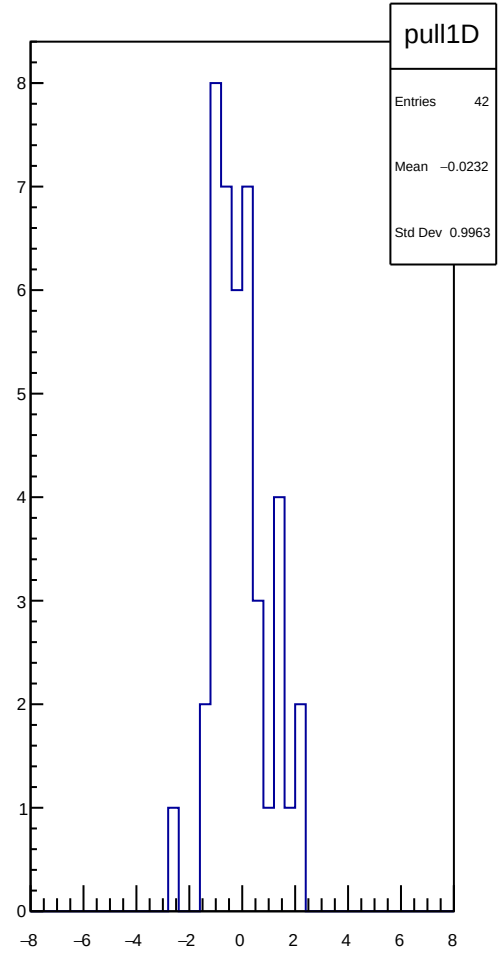

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.962e+04 / 41
p0 226.5 ± 0.2601
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

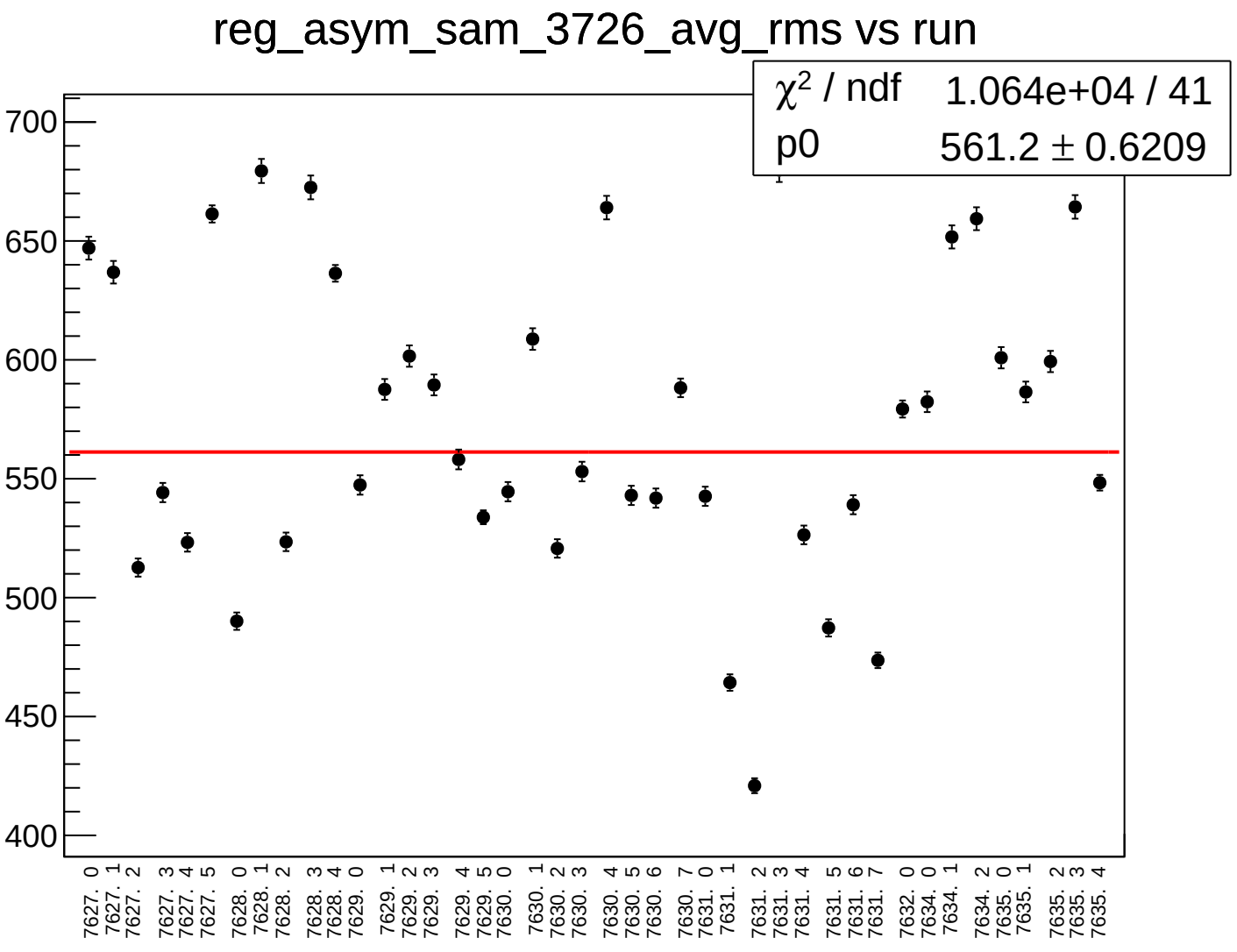

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 37.05 / 41
p0 −1.187e−13 ± 4.911e−13
40
30
20
10
0
−10
−20
−30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.52
Std Dev 9.568
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

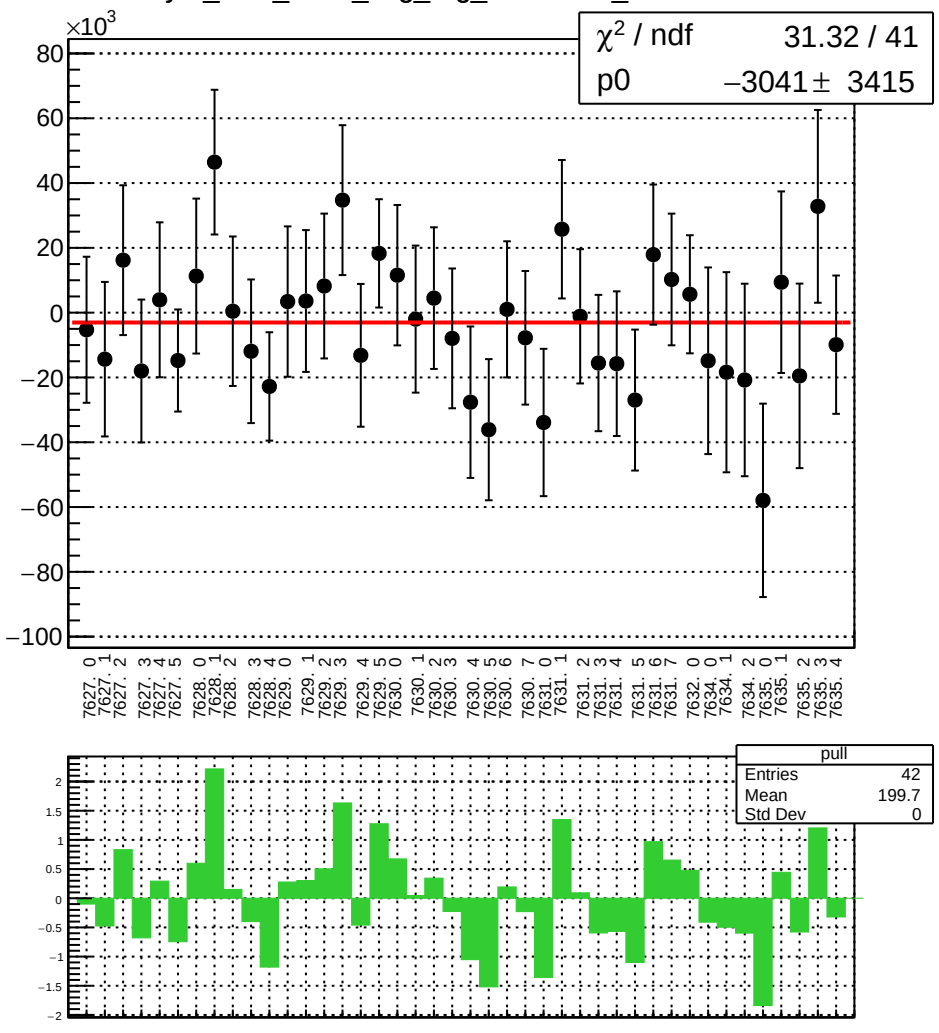

pull1D
Entries 42
Mean 0.1675
Std Dev 0.9242
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

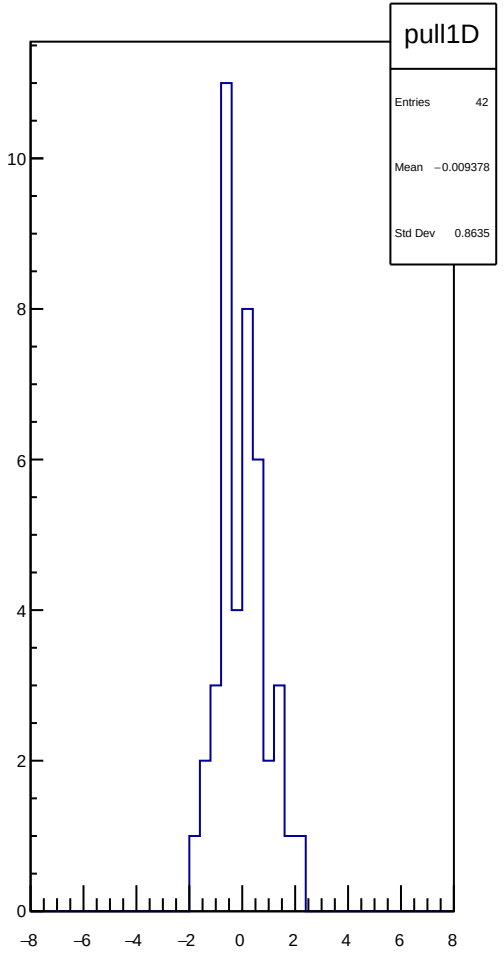

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.727e+05 / 41
p0 2.343e−10 ± 3.473e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

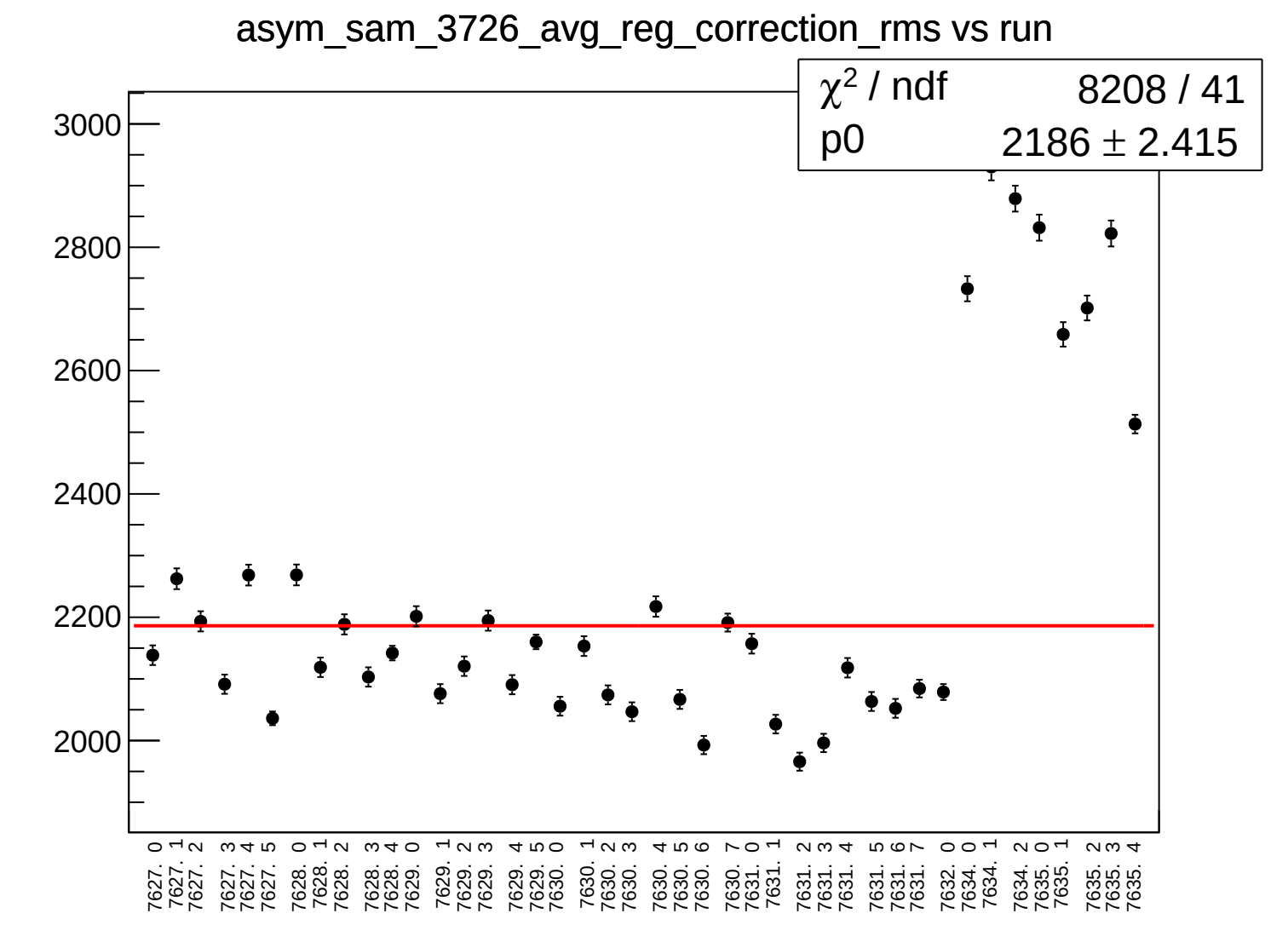

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 41.71 / 41
p0 −106.4 ± 878.1
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −15.16
Std Dev 0
2
1
0
−1
−2

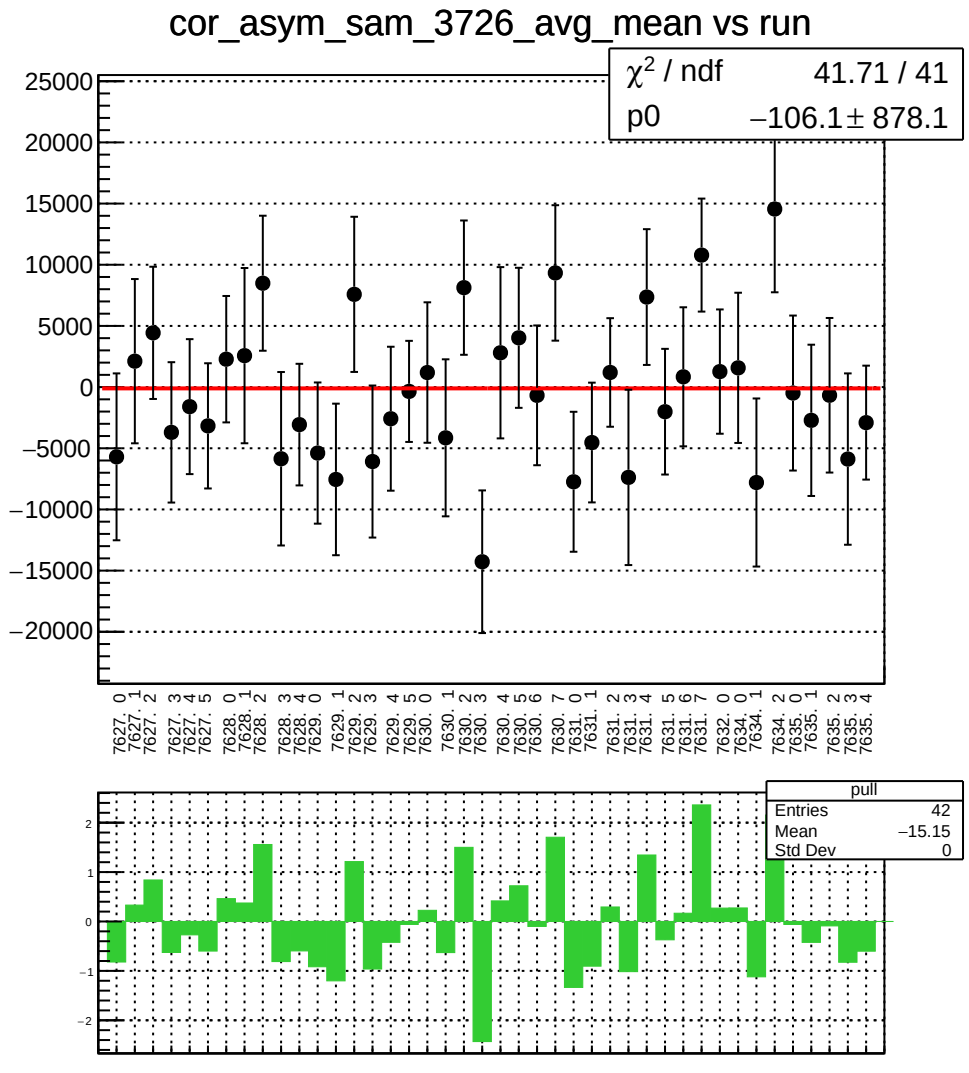

pull1D
Entries 42
Mean −0.0232
Std Dev 0.9963
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

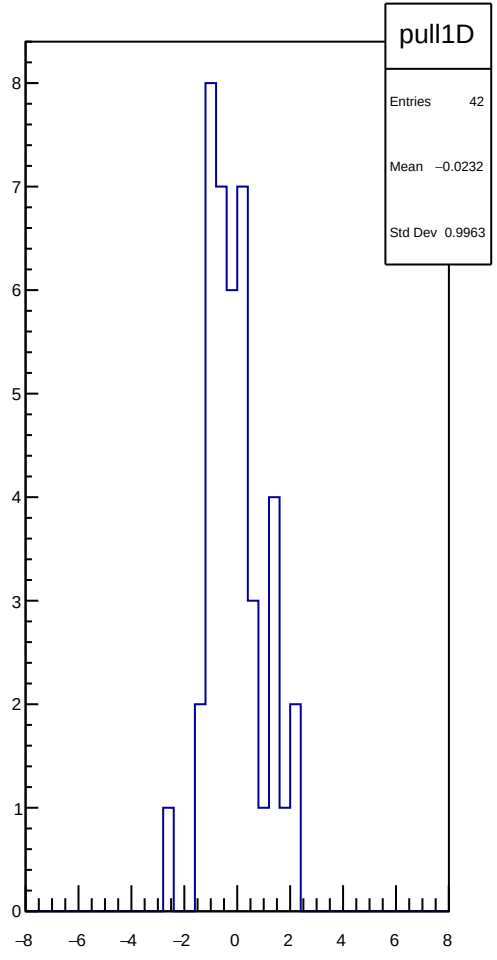

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 1.064e+04 / 41
p0 561.2 ± 0.6209
700
650
600
550
500
450
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

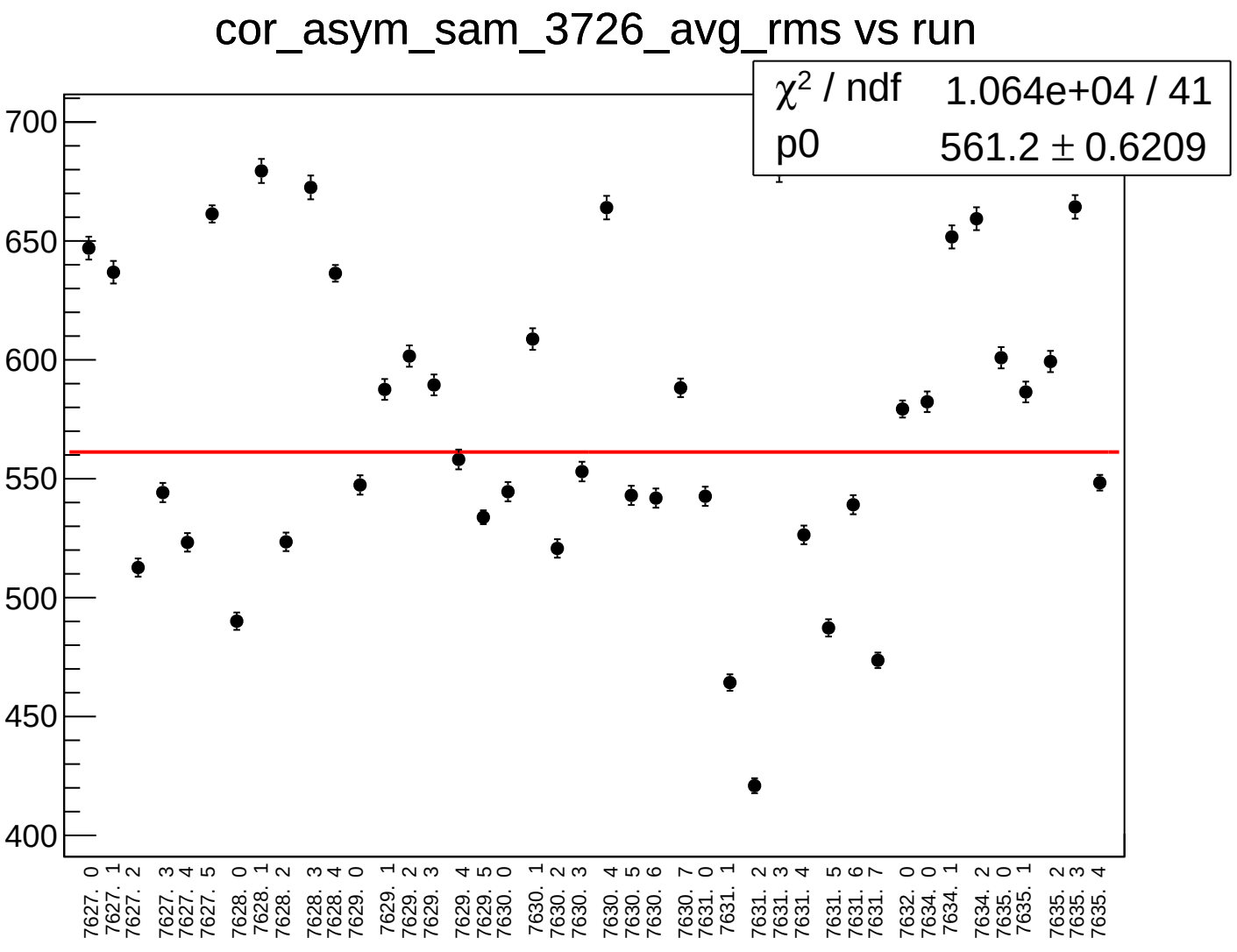

asym_sam_3726_avg_reg_correction_mean vs run
×10^3
χ² / ndf 31.32 / 41
p0 −3041 ± 3415
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 199.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

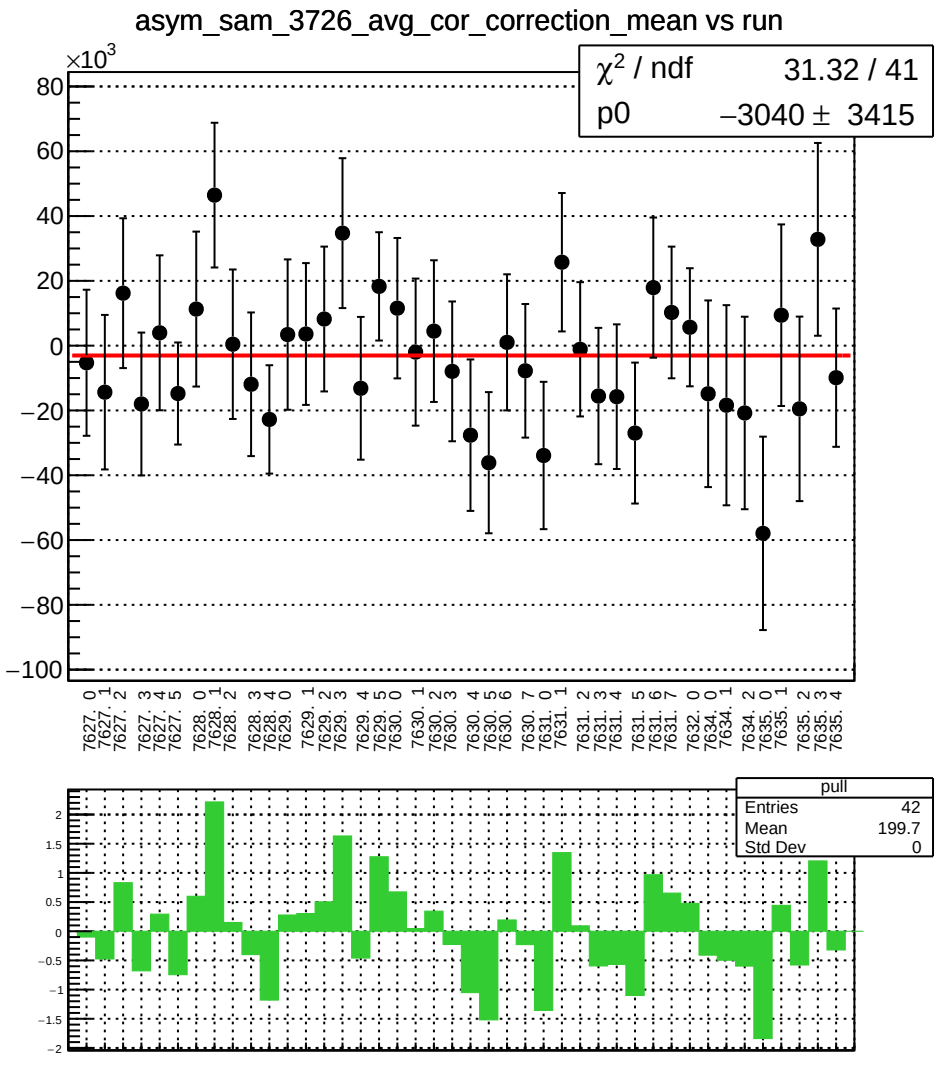

pull1D
Entries 42
Mean −0.009378
Std Dev 0.8635
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

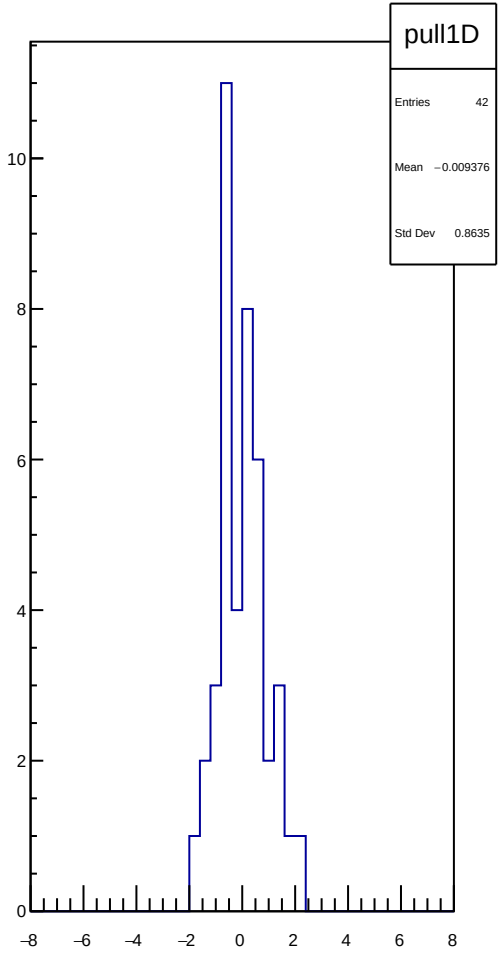

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 8208 / 41
p0 2186 ± 2.415
3000
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

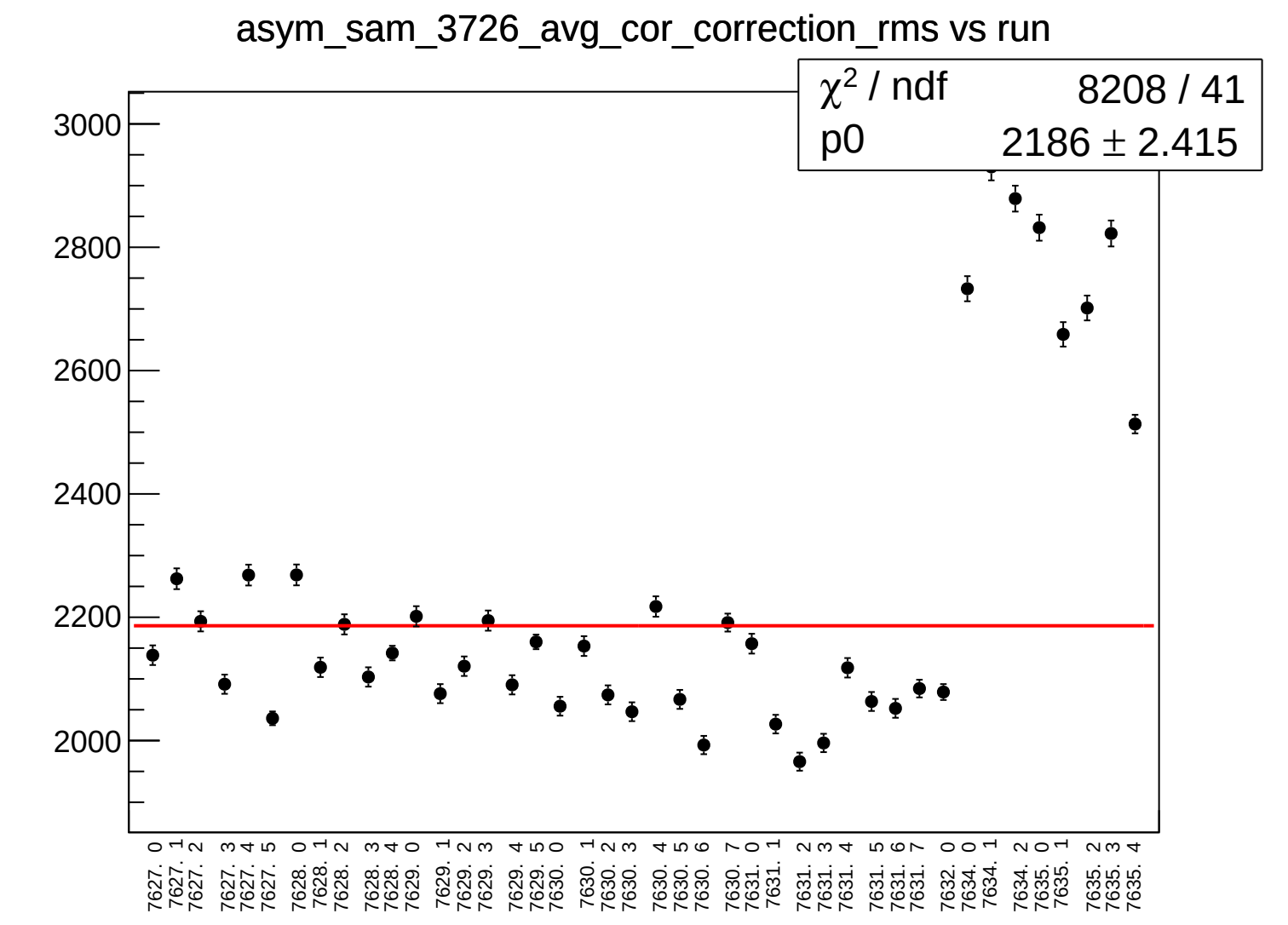

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 41.71 / 41
p0 −106.1 ± 878.1
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −15.15
Std Dev 0
2
1
0
−1
−2

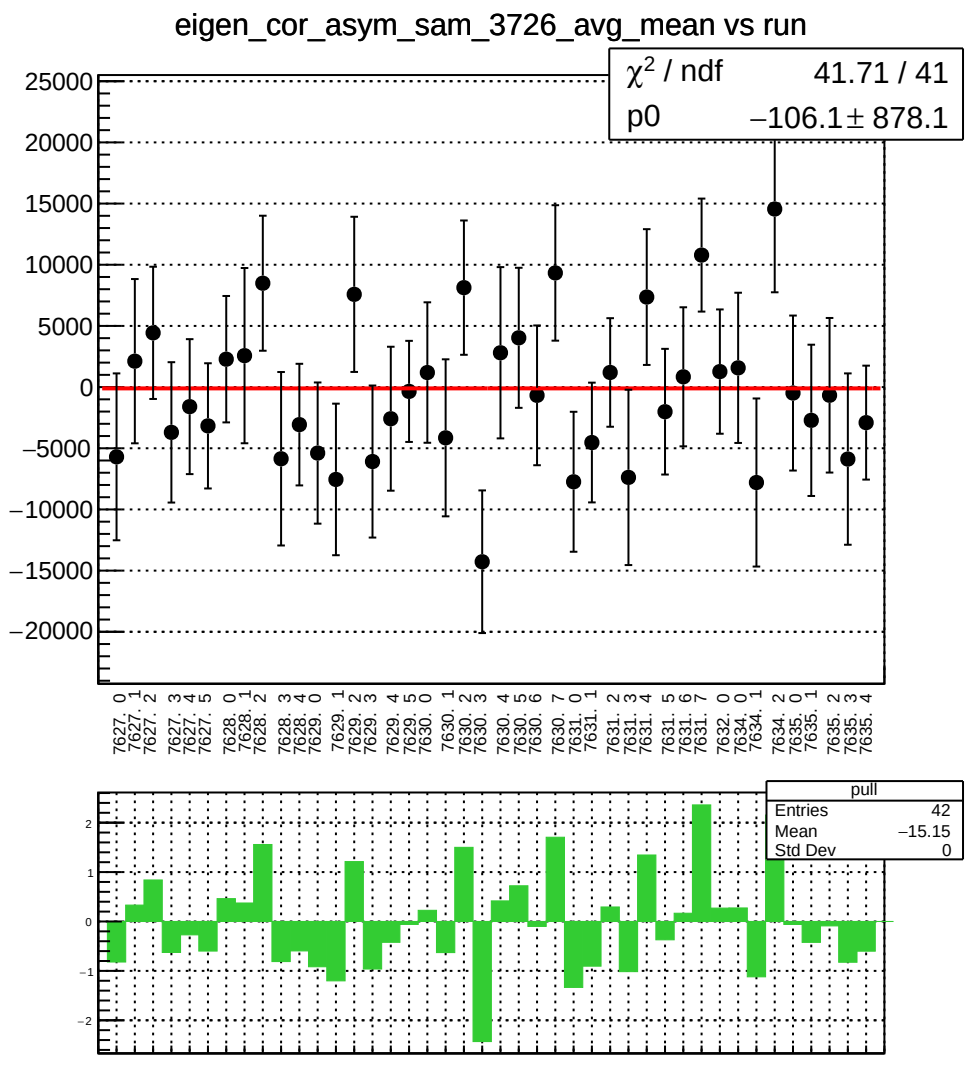

pull1D
Entries 42
Mean −0.0232
Std Dev 0.9963
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

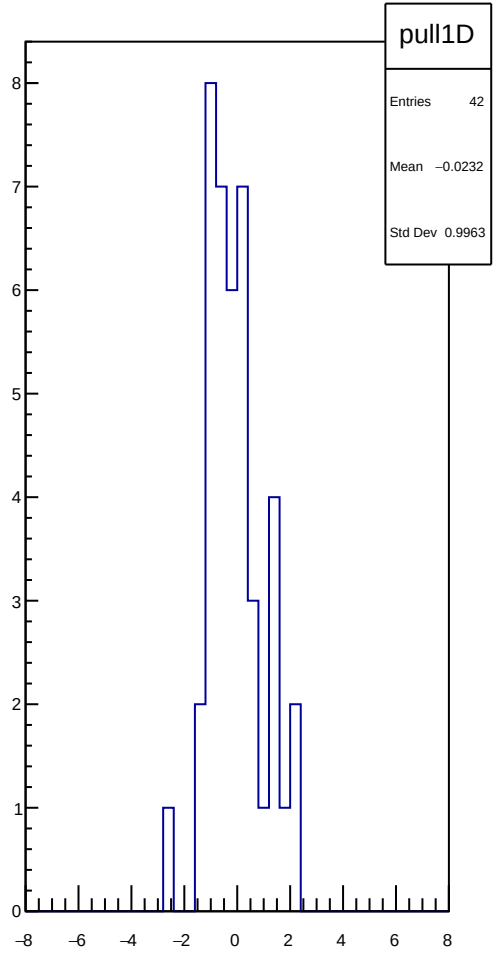

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.064e+04 / 41
p0 561.2 ± 0.6209
700
650
600
550
500
450
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

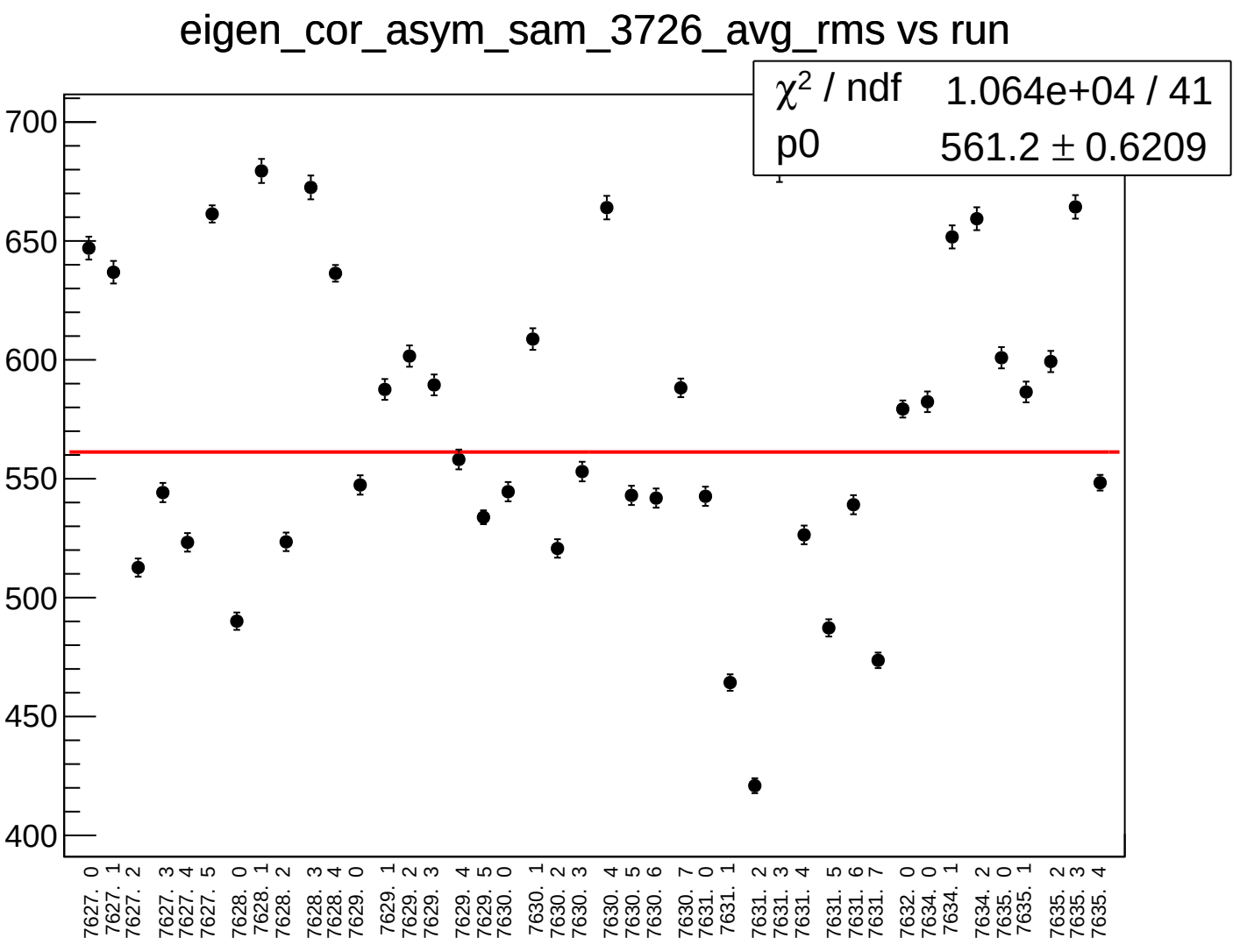

asym_sam_3726_avg_cor_correction_mean vs run
×10^3
χ² / ndf 31.32 / 41
p0 −3040 ± 3415
80
60
40
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 199.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

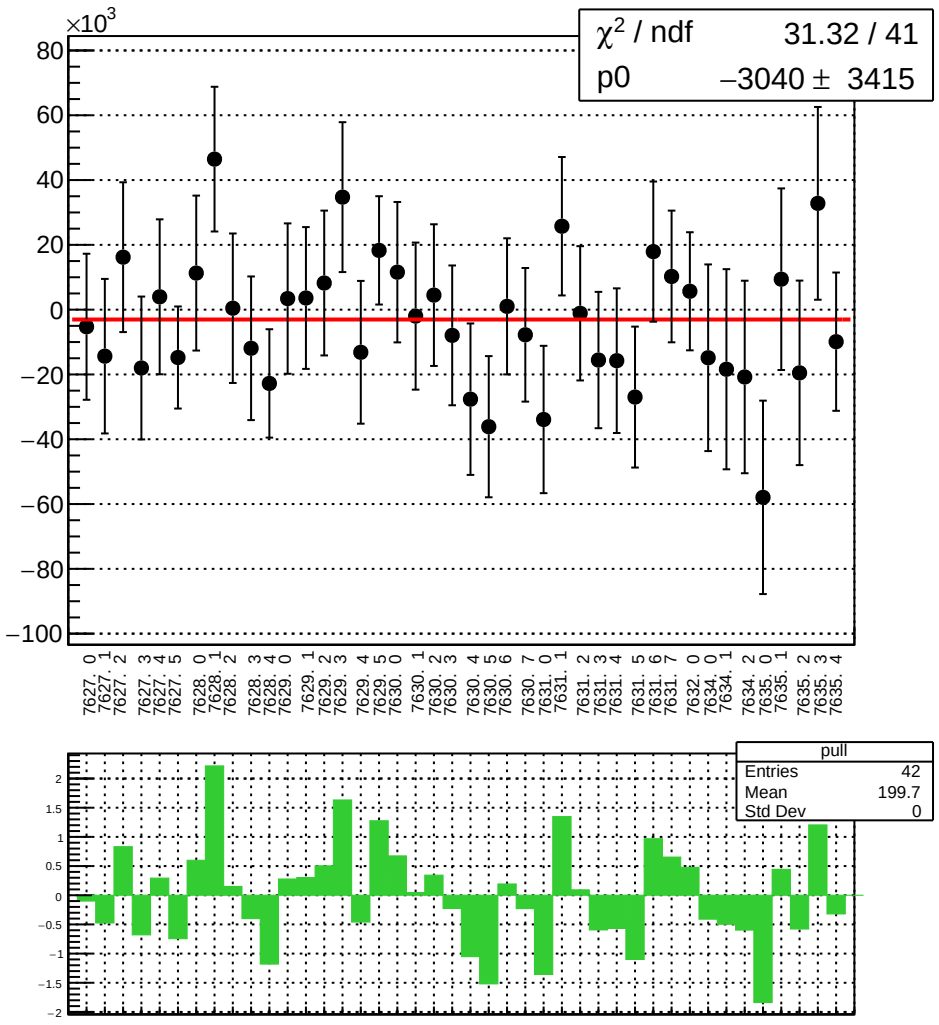

pull1D
Entries 42
Mean −0.009376
Std Dev 0.8635
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

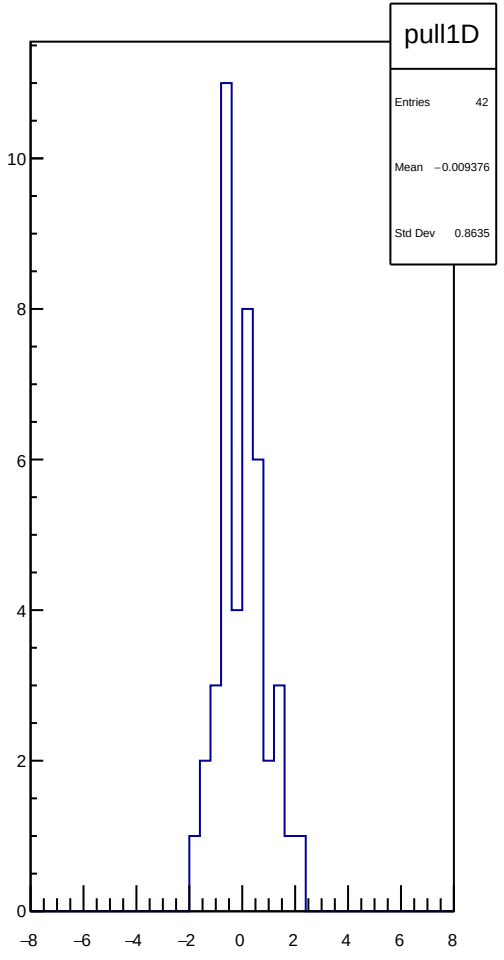

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 8208 / 41
p0 2186 ± 2.415
3000
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

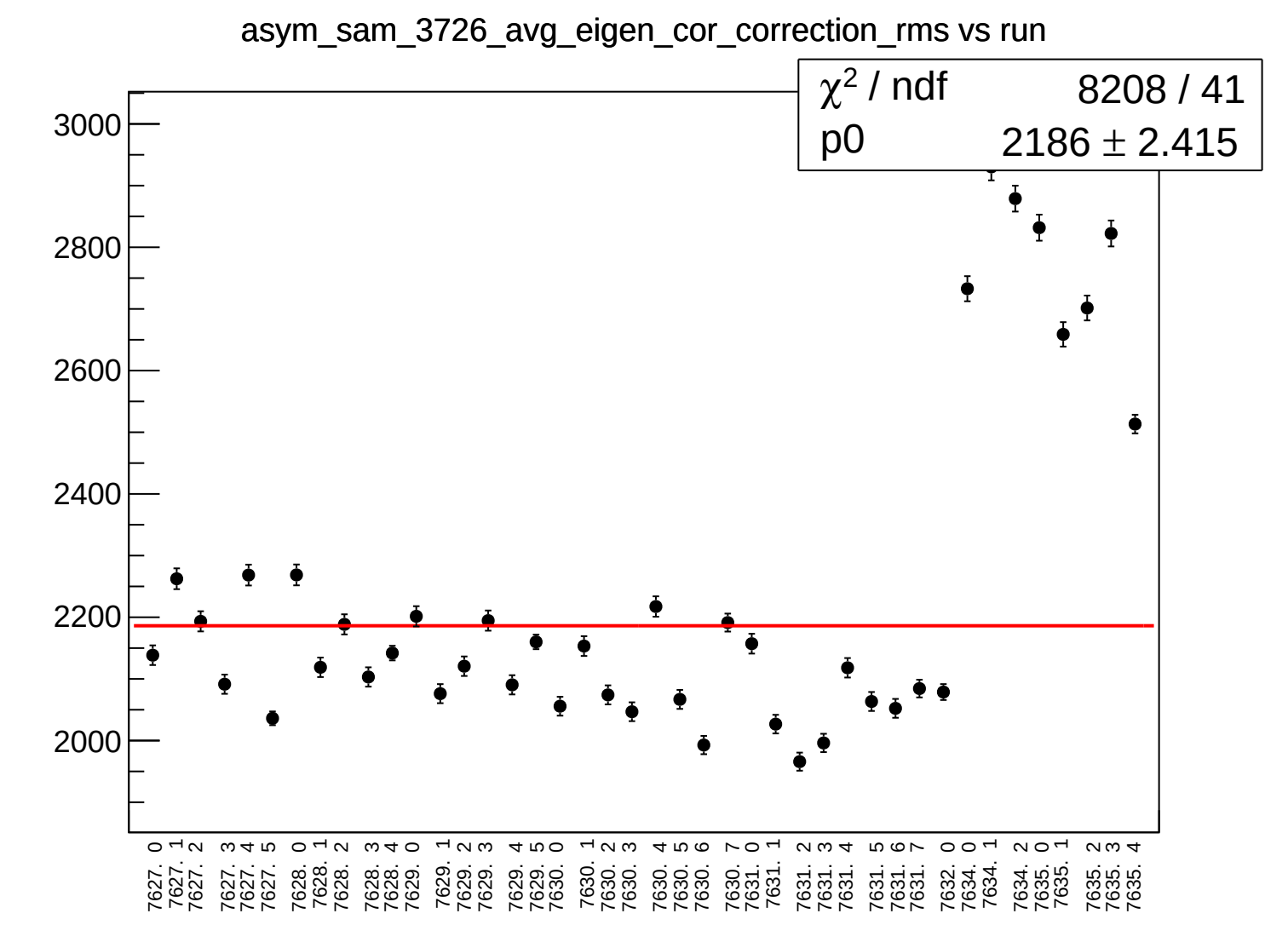

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 41.71 / 41
p0 −106.1 ± 878.1
pull
Entries 42
Mean −15.15
Std Dev 0

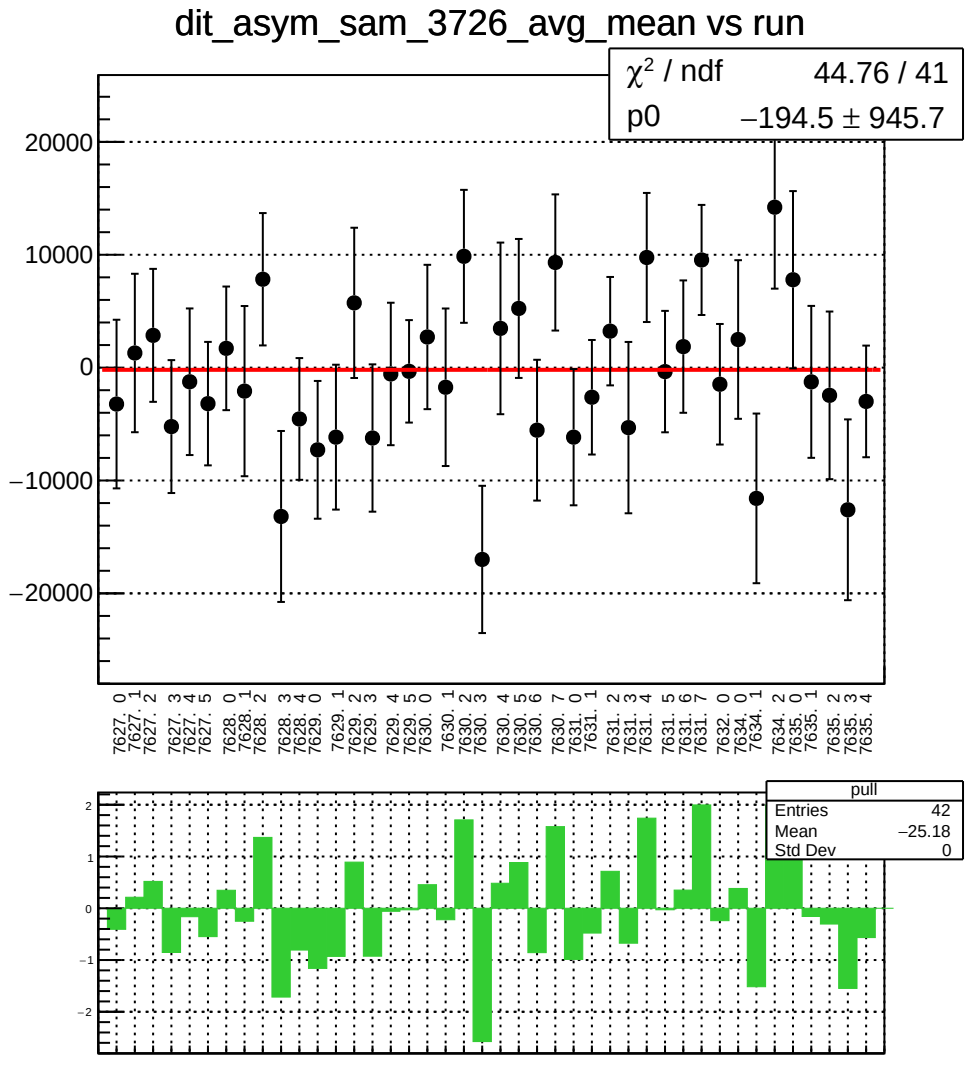

pull1D
Entries 42
Mean −0.0232
Std Dev 0.9963

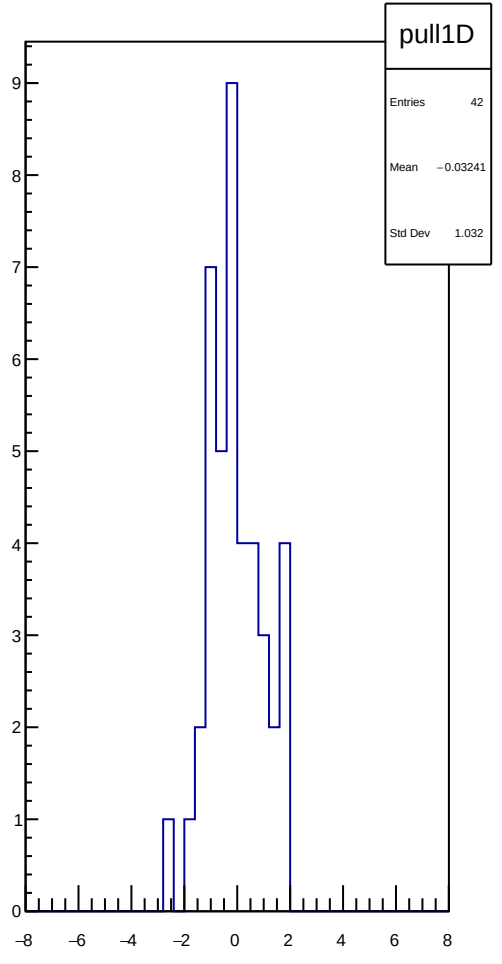

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.064e+04 / 41
p0 561.2 ± 0.6209
700
650
600
550
500
450
400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

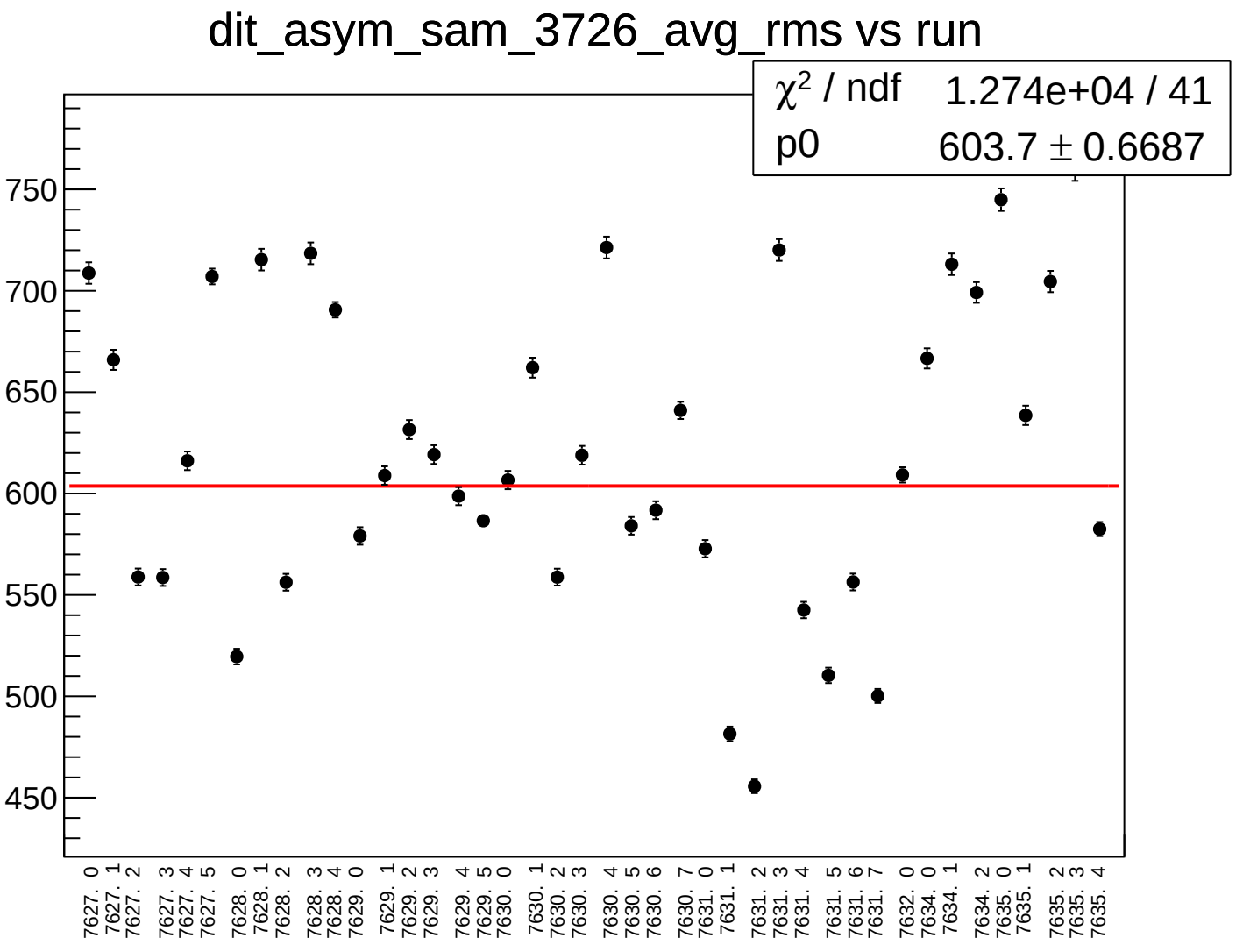

asym_sam_3726_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 31.32 / 41
p0 −3040 ± 3415
pull
Entries 42
Mean 199.7
Std Dev 0

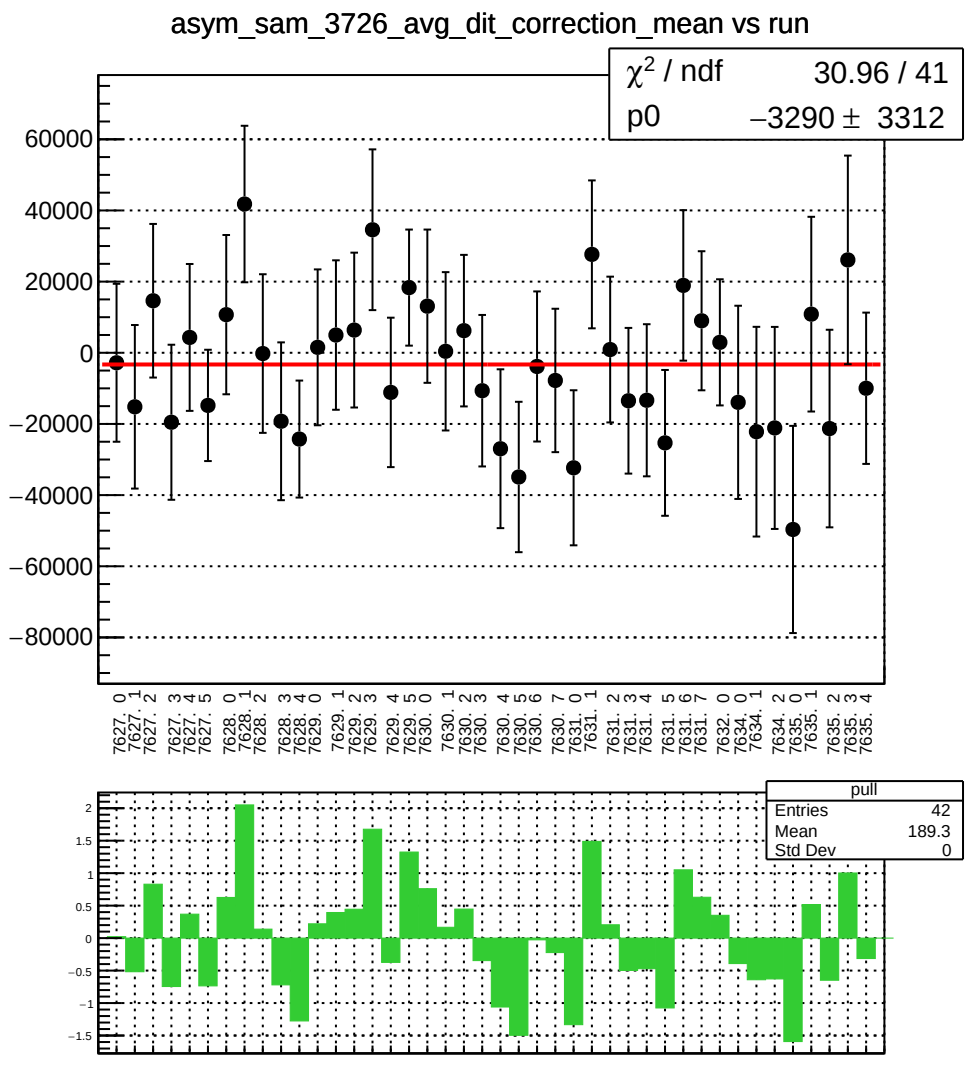

pull1D
Entries 42
Mean −0.009376
Std Dev 0.8635

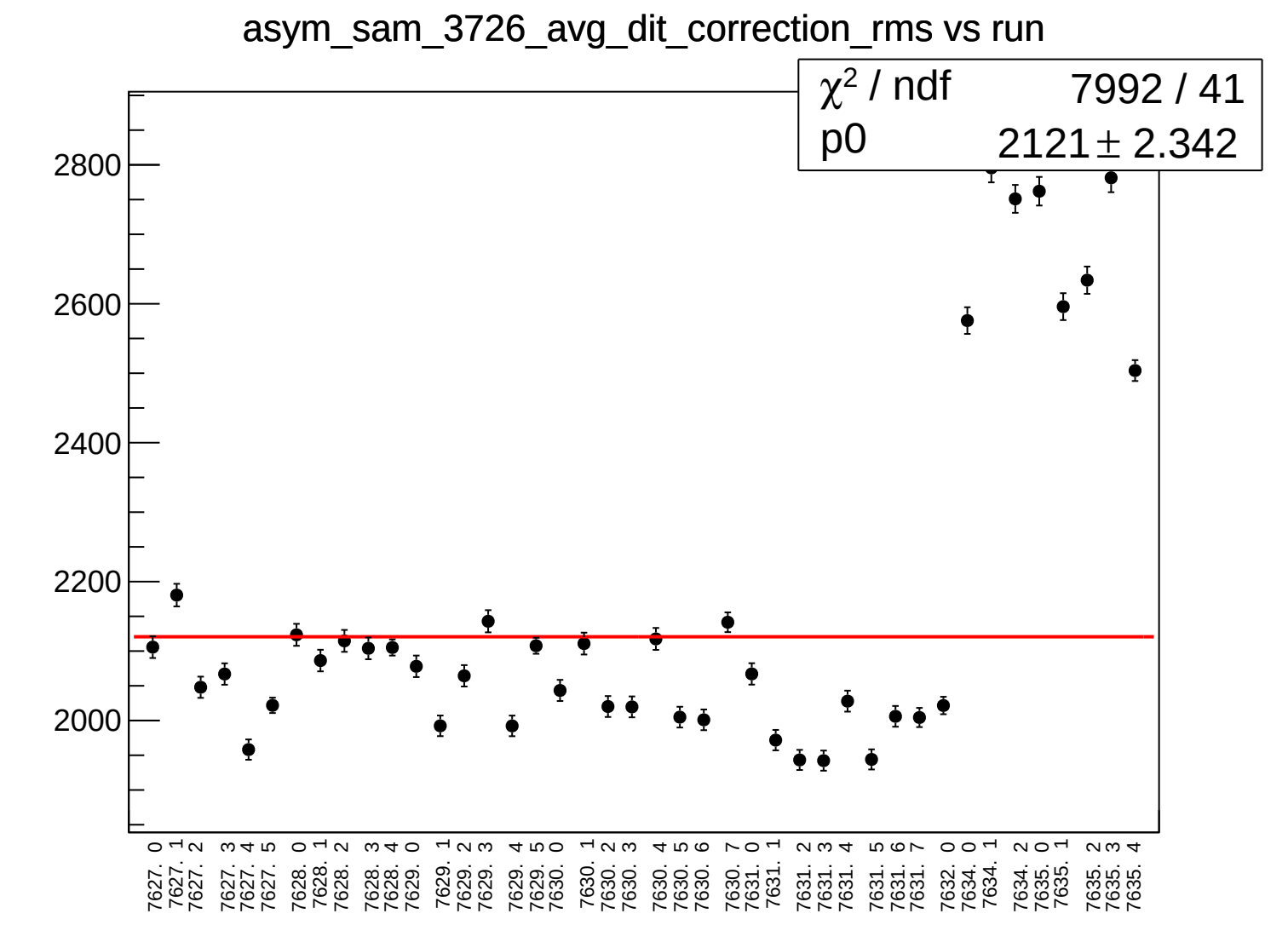

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 8208 / 41
p0 2186 ± 2.415
3000
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

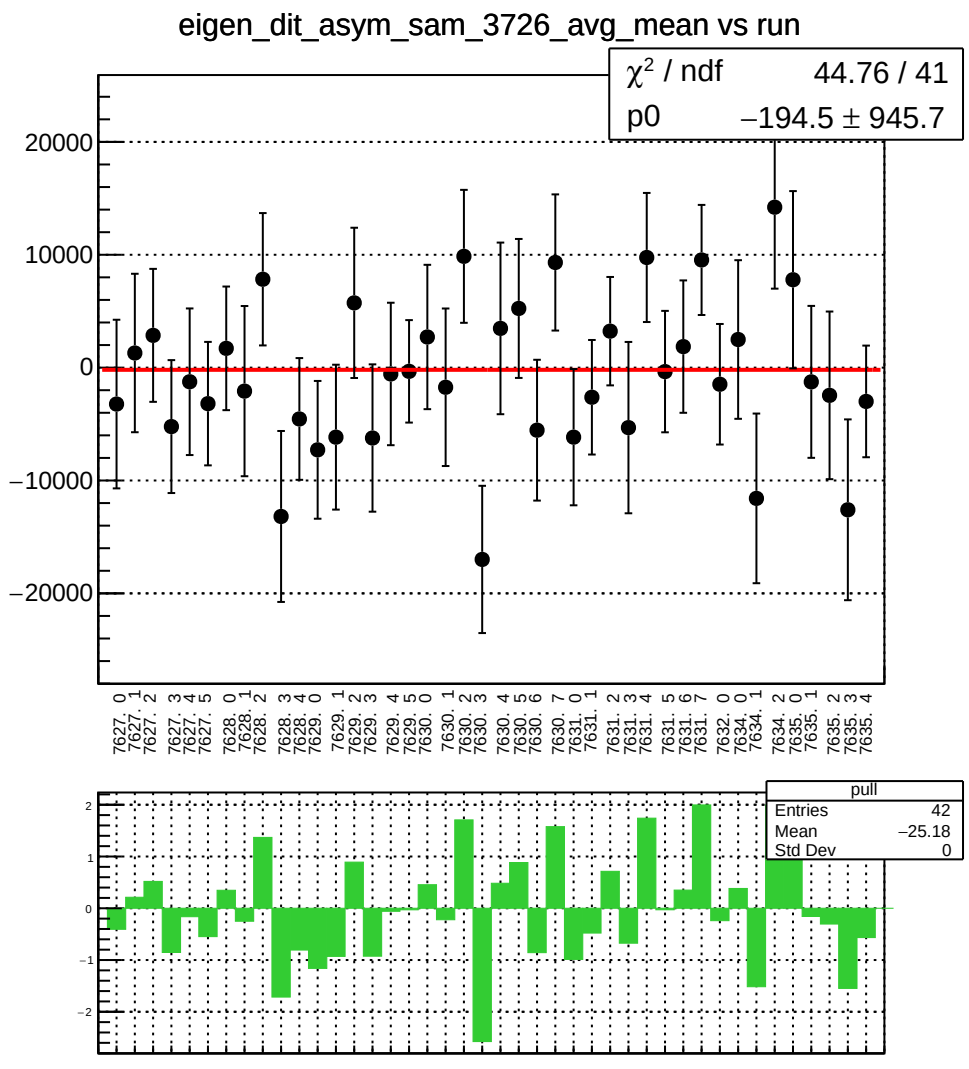

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 44.76 / 41
p0 −194.5 ± 945.7
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.18
Std Dev 0
2
1
0
−1
−2

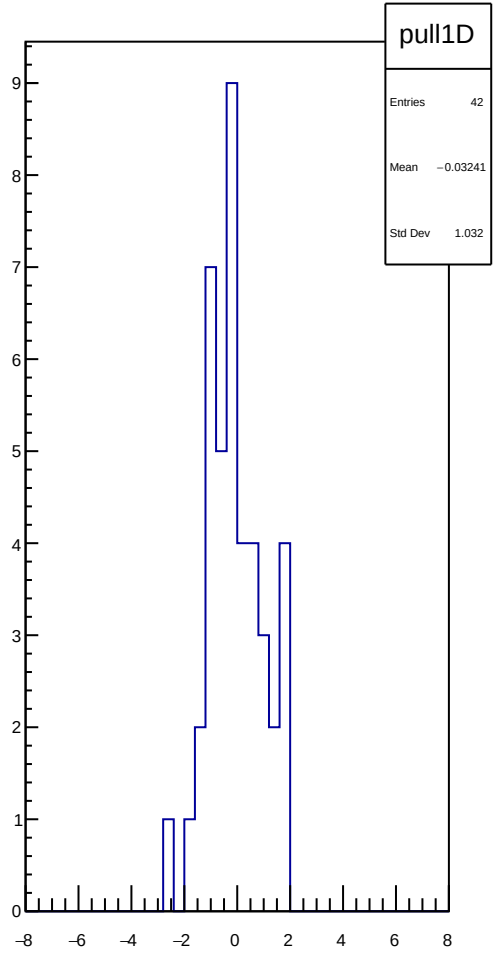

pull1D
Entries 42
Mean −0.03241
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

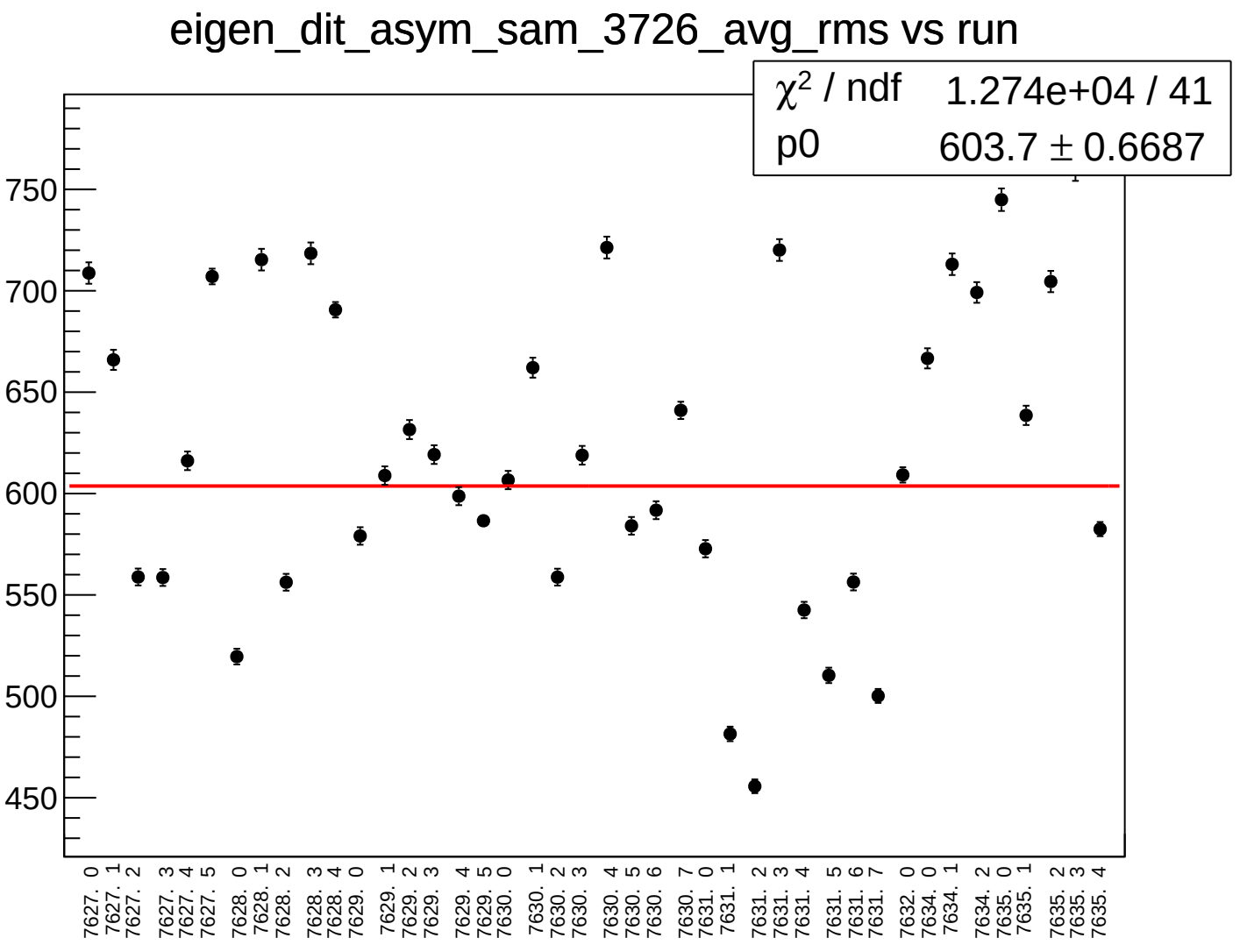

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.274e+04 / 41
p0 603.7 ± 0.6687
750
700
650
600
550
500
450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

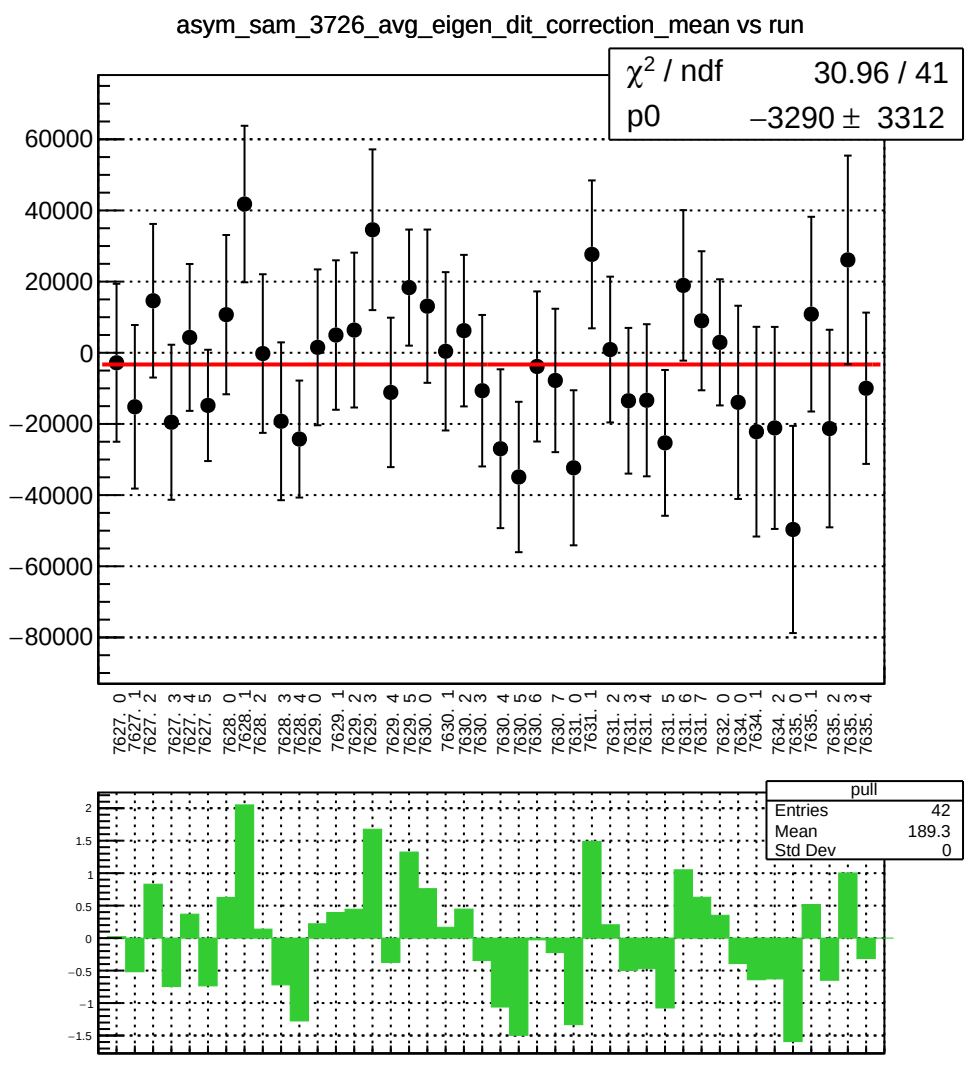

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 30.96 / 41
p0 −3290 ± 3312
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 189.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.009501
Std Dev 0.8586
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

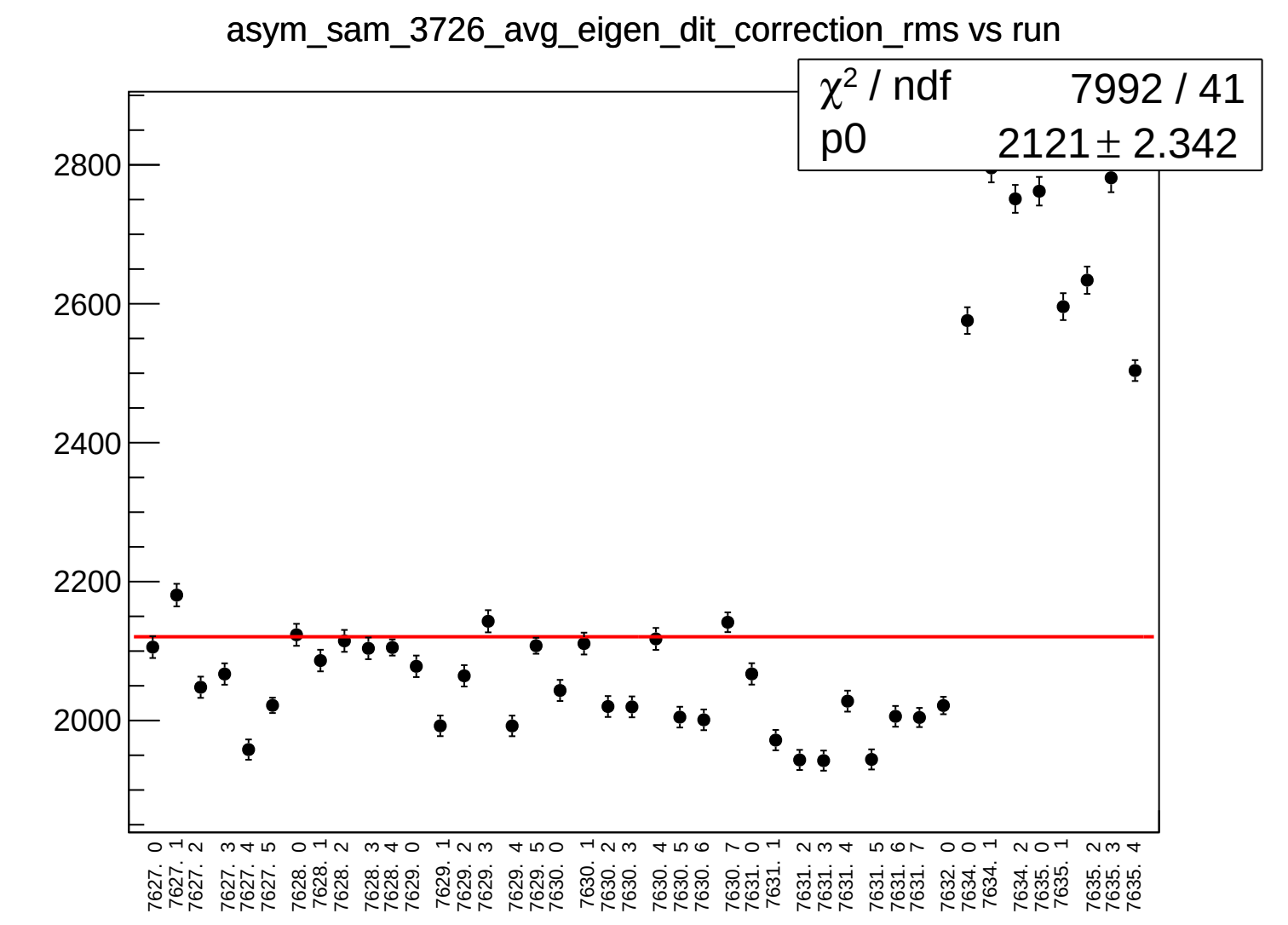

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 7992 / 41
p0 2121 ± 2.342
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

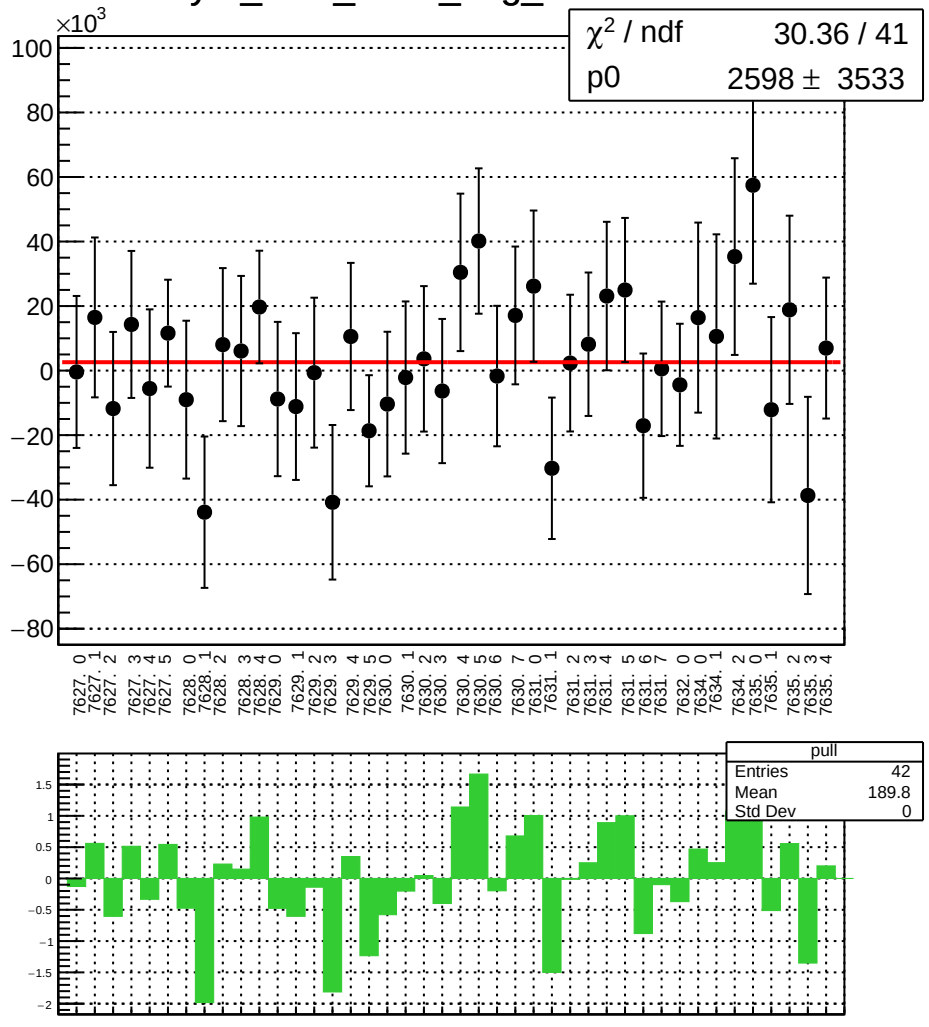

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 44.76 / 41
p0 −194.5 ± 945.7
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.18
Std Dev 0
2
1
0
−1
−2

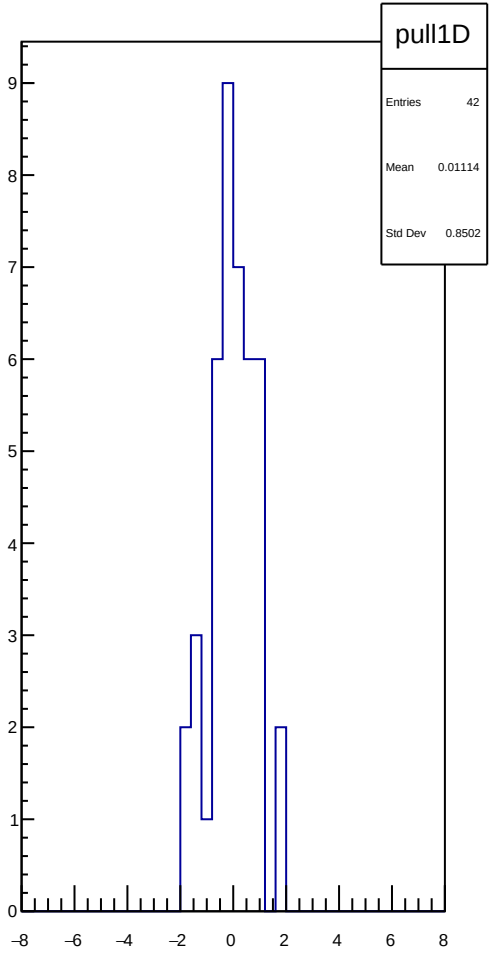

pull1D
Entries 42
Mean −0.03241
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

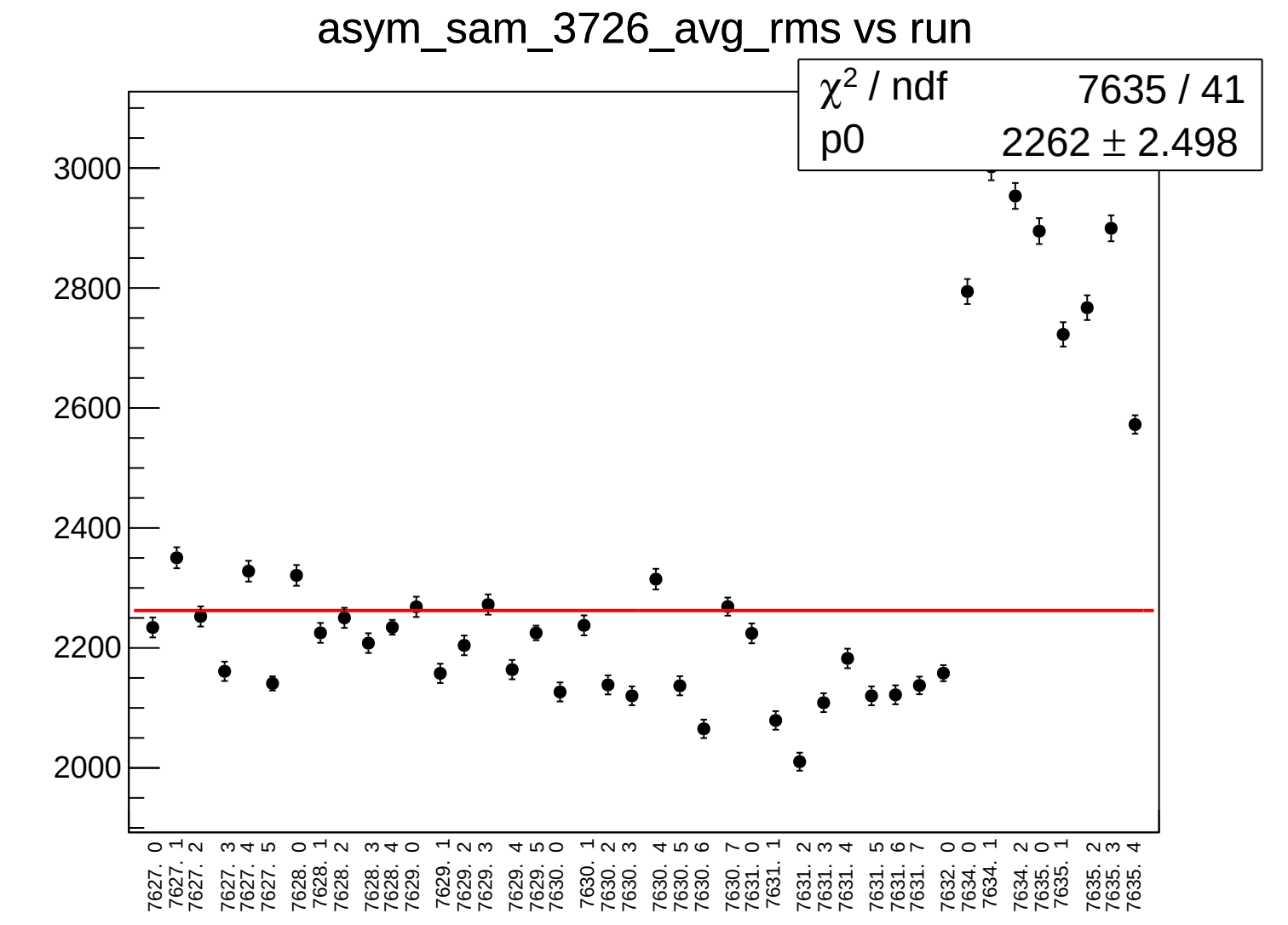

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.274e+04 / 41
p0 603.7 ± 0.6687
750
700
650
600
550
500
450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 30.96 / 41
p0 −3290 ± 3312
60000
40000
20000
0
−20000
−40000
−60000
−80000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 189.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.009501
Std Dev 0.8586
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 7992 / 41
p0 2121 ± 2.342
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_3726_avg_mean vs run
×10^3
χ² / ndf 30.36 / 41
p0 2598 ± 3533
pull
Entries 42
Mean 189.8
Std Dev 0


pull1D
Entries 42
Mean 0.01114
Std Dev 0.8502


asym_sam_3726_avg_rms vs run
χ² / ndf 7635 / 41
p0 2262 ± 2.498
3000
2800
2600
2400
2200
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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7632. 0
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7634. 1
7634. 2
7635. 0
7635. 1
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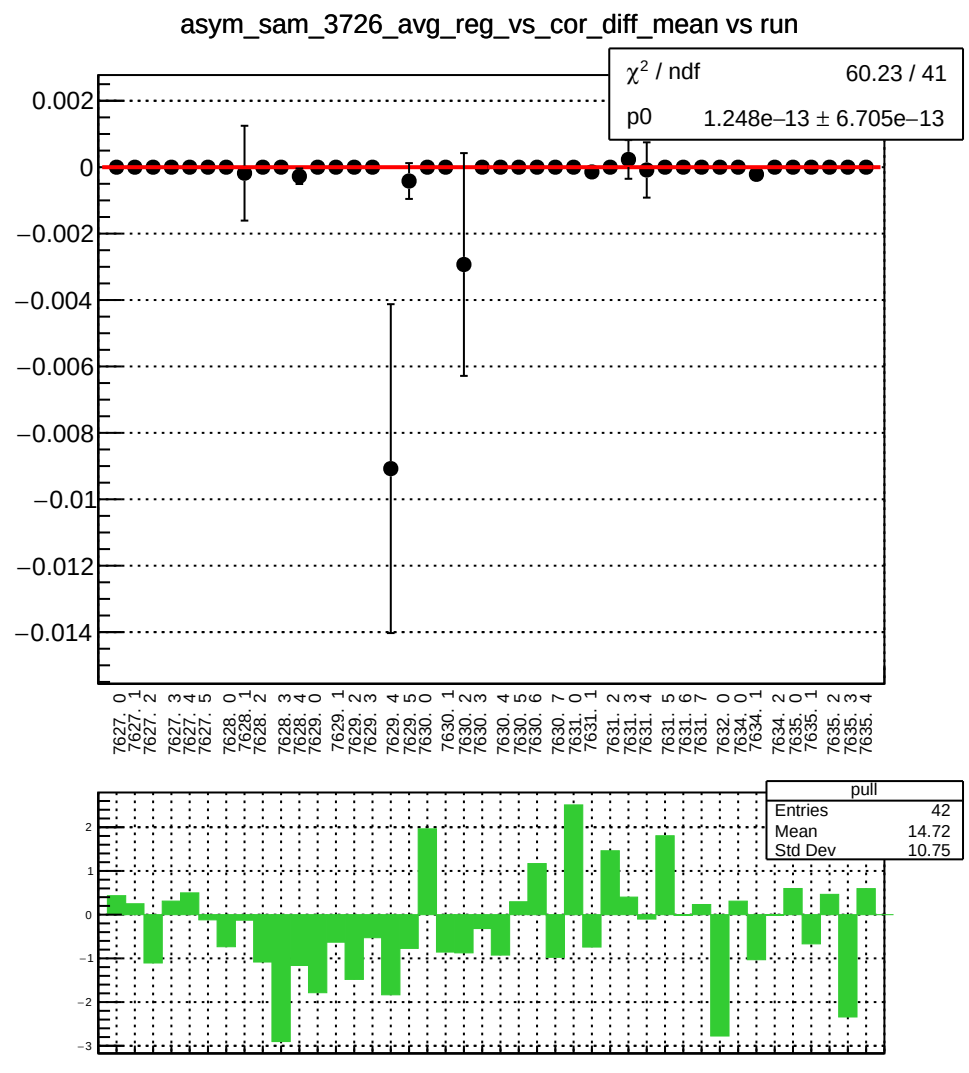
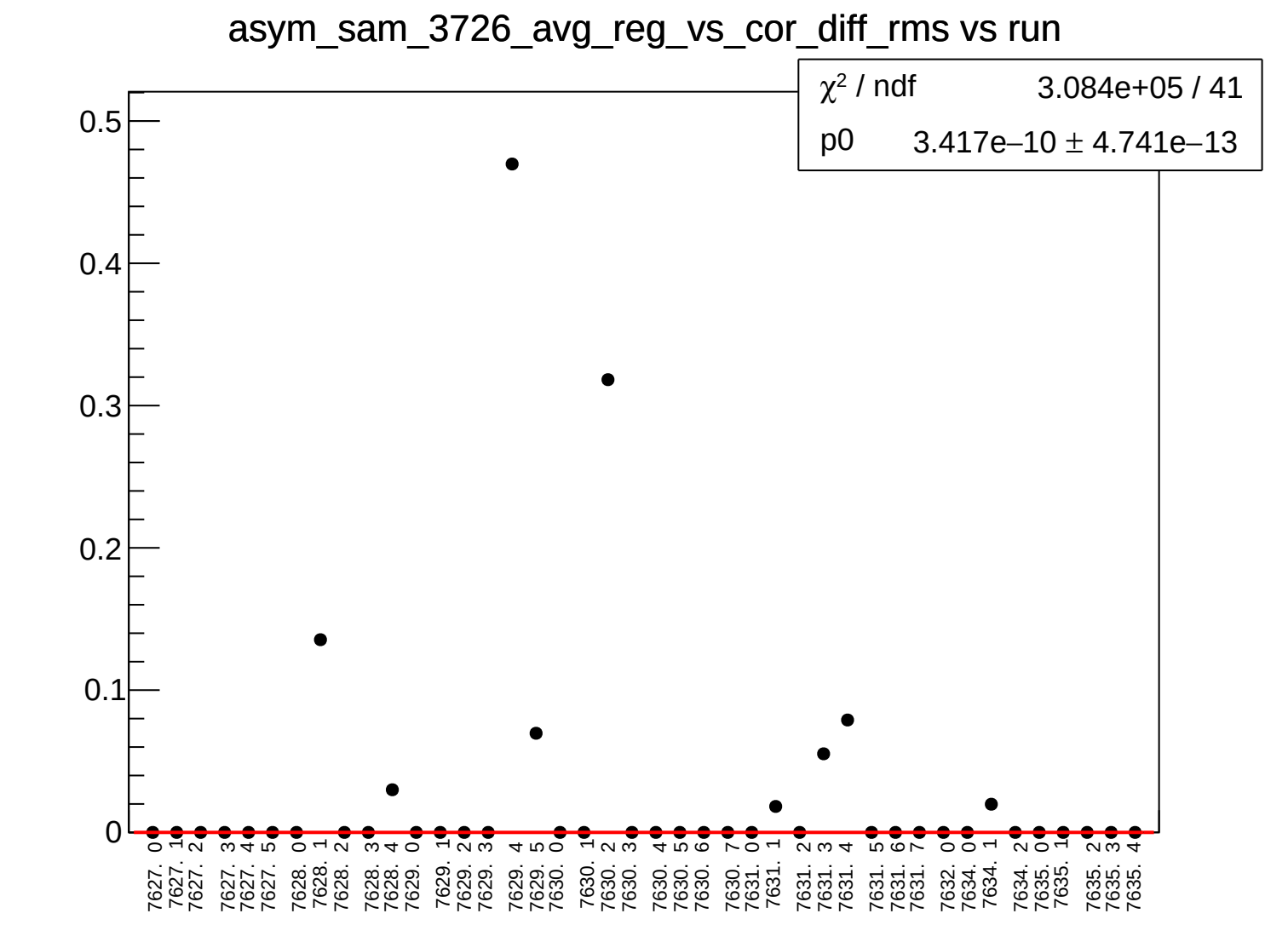
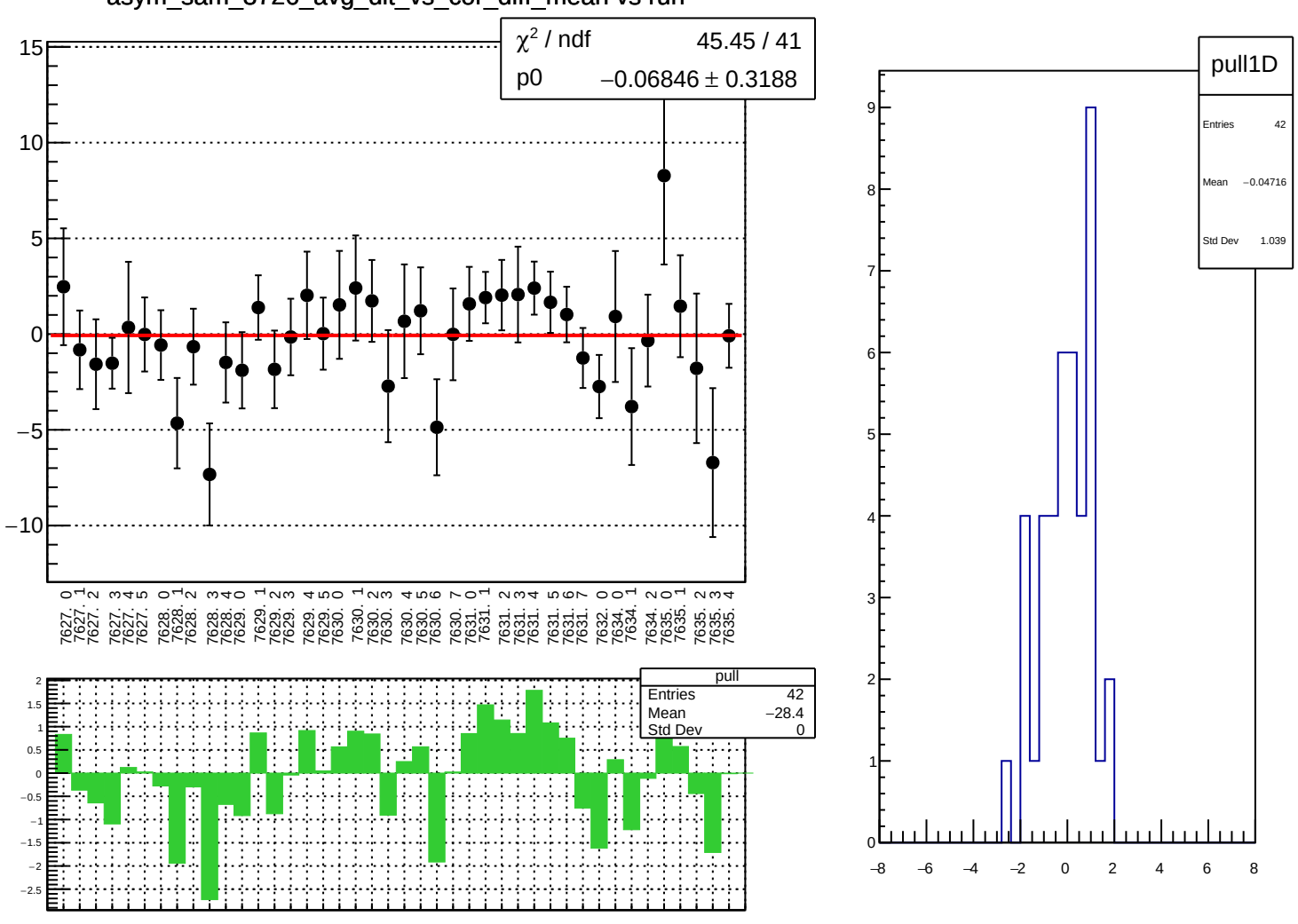
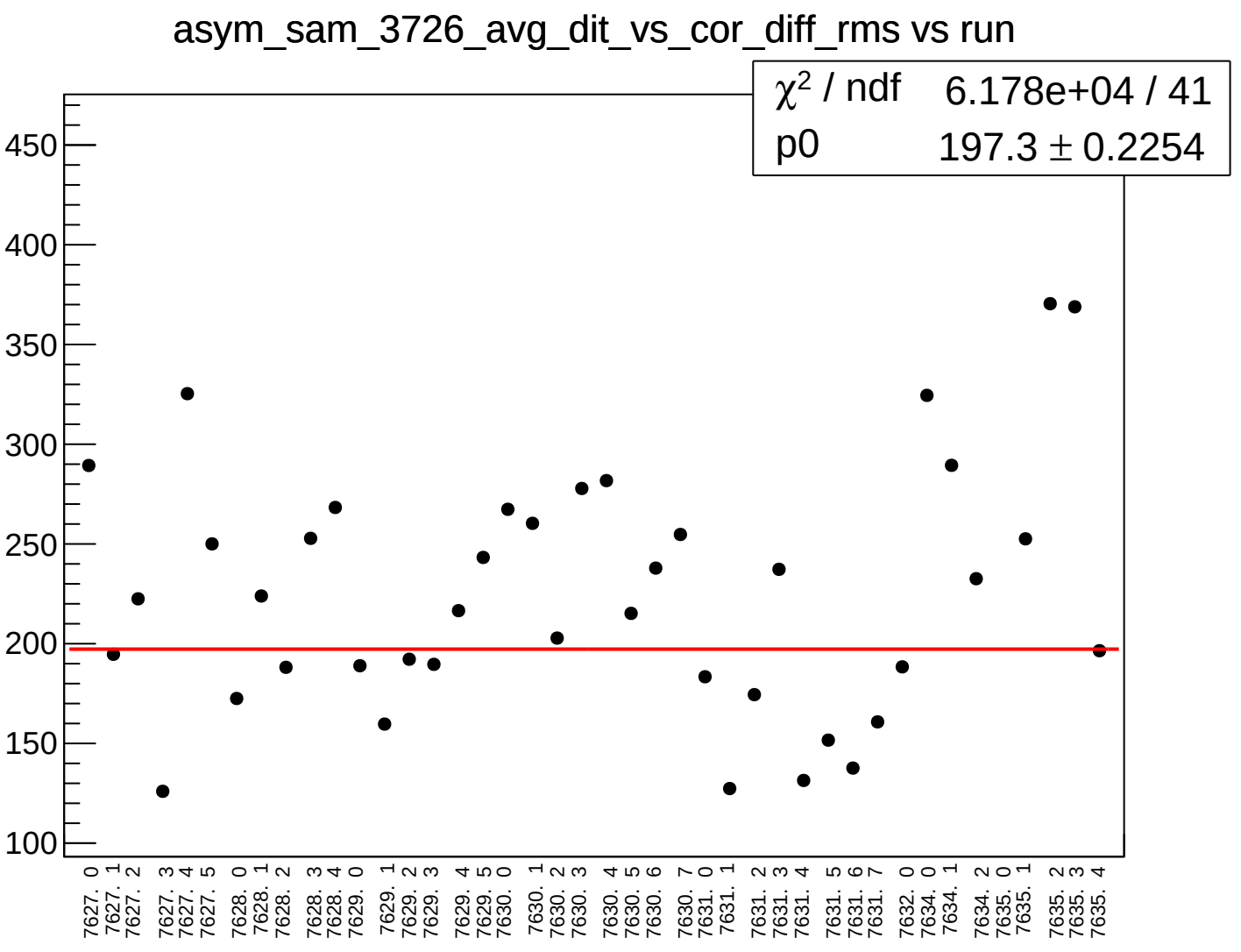
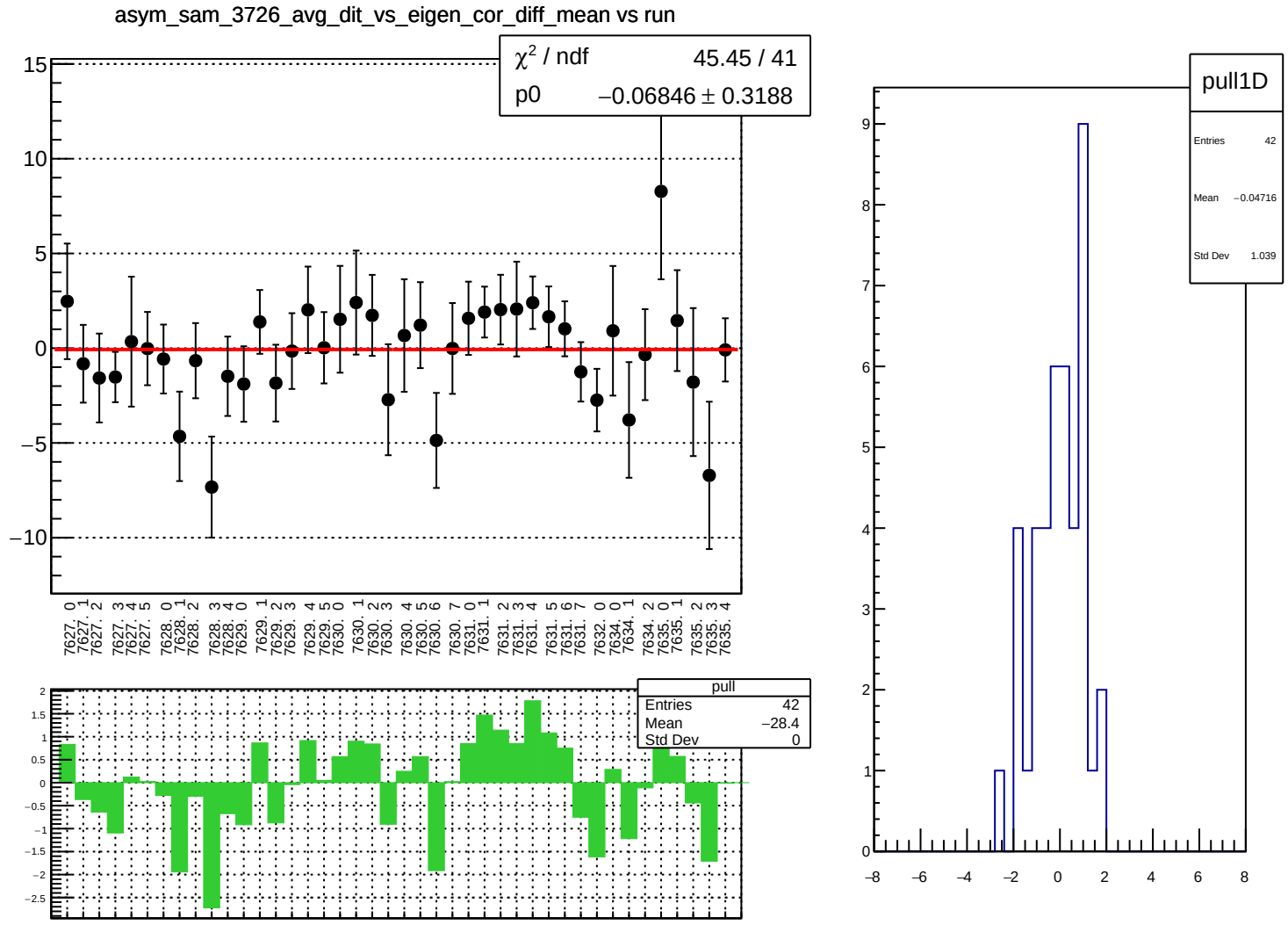
7635. 3
7635. 4

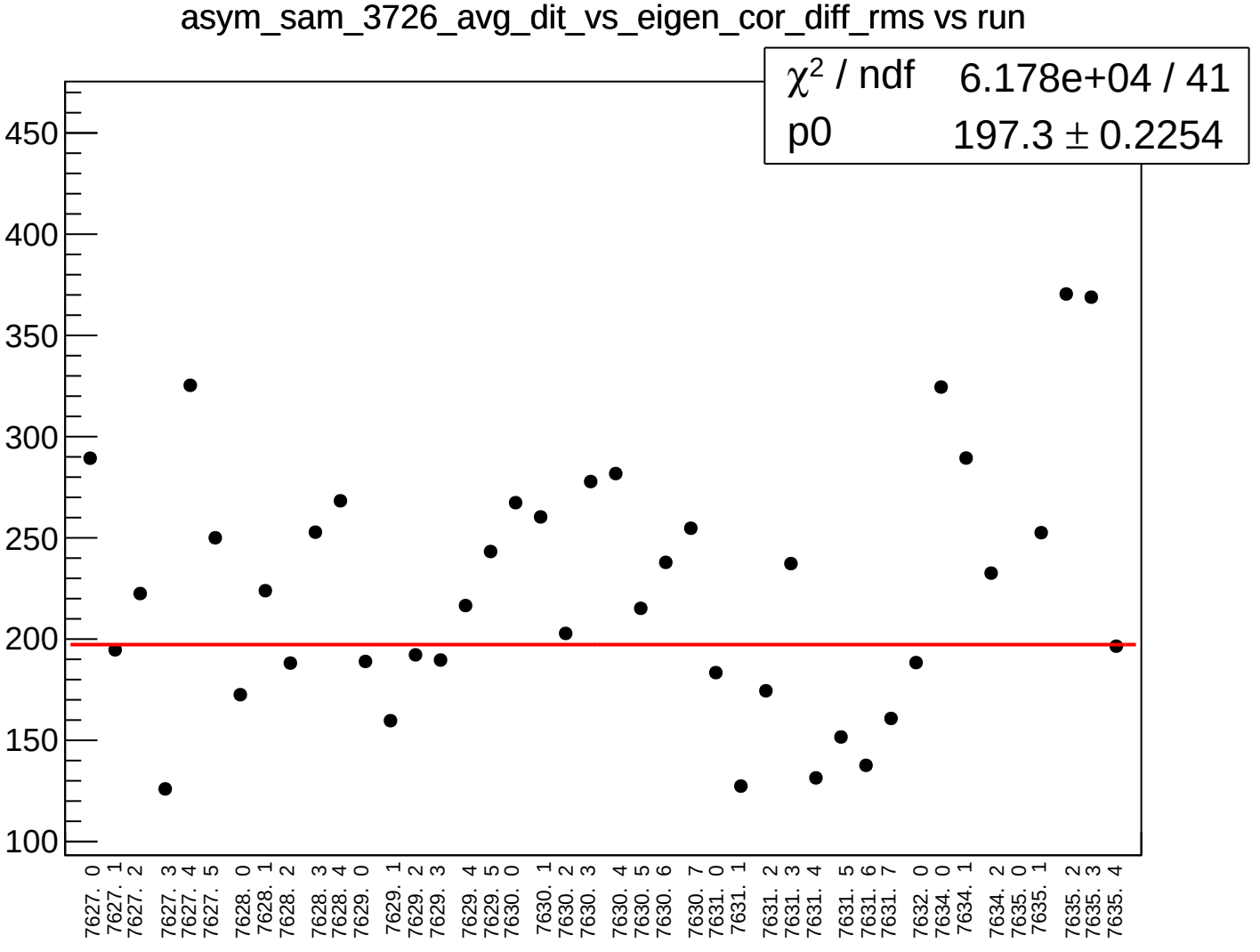

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.23 / 41
p0 1.248e−13 ± 6.705e−13
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
−0.014
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 14.72
Std Dev 10.75
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.3
Std Dev 1.159
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

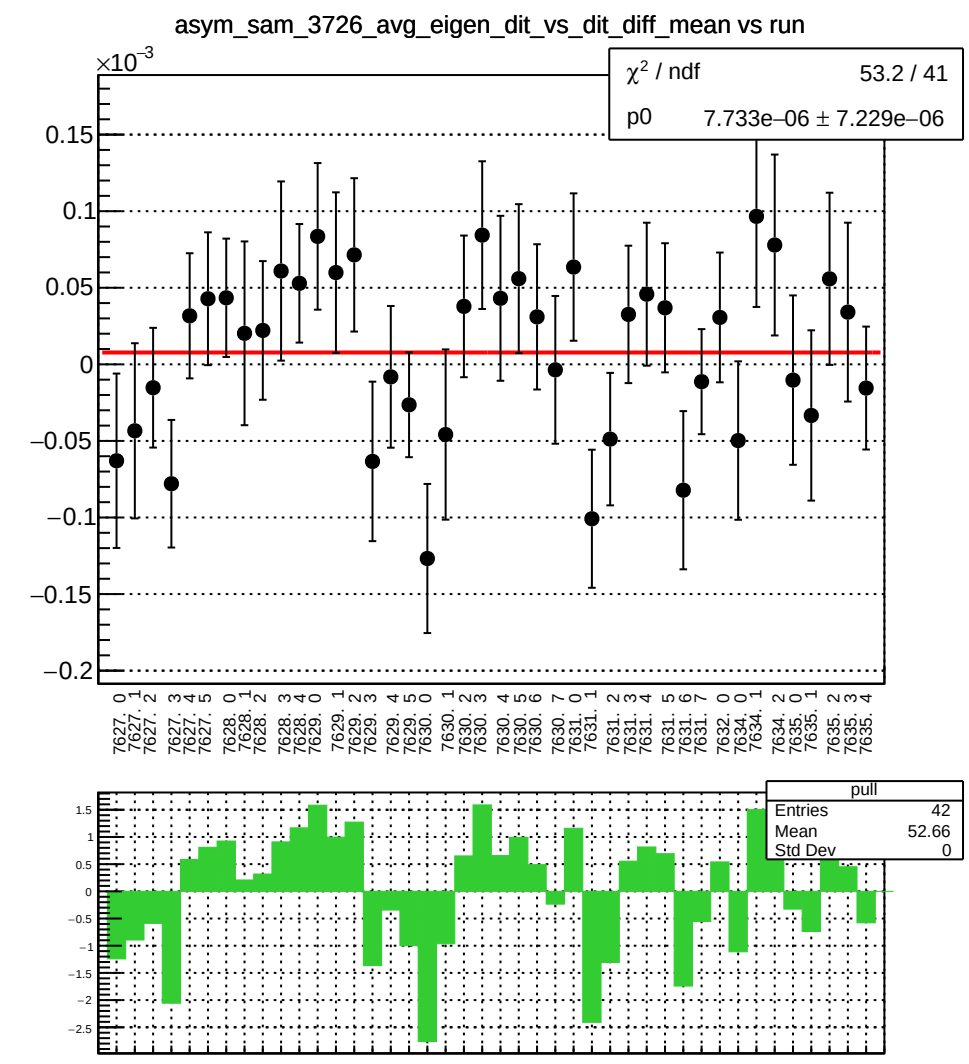

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.084e+05 / 41
p0 3.417e−10 ± 4.741e−13
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

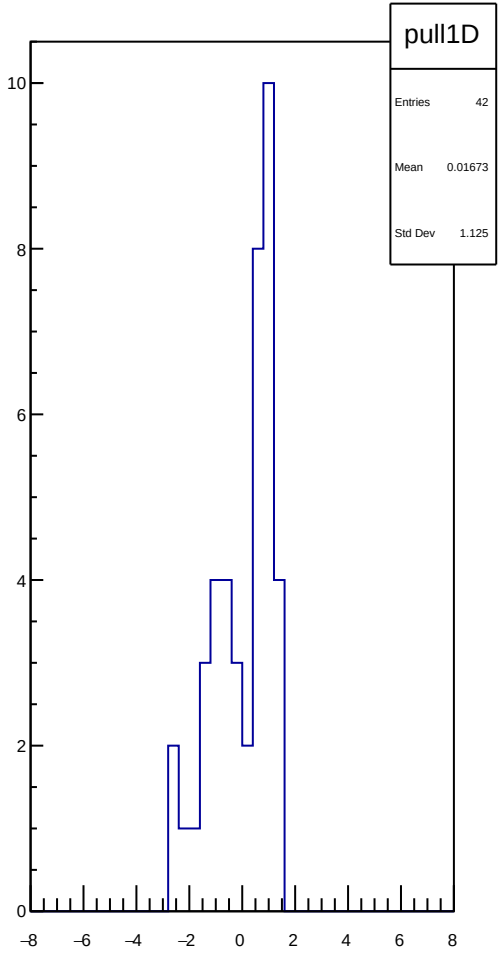

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.45 / 41
p0 −0.06846 ± 0.3188
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.04716
Std Dev 1.039
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

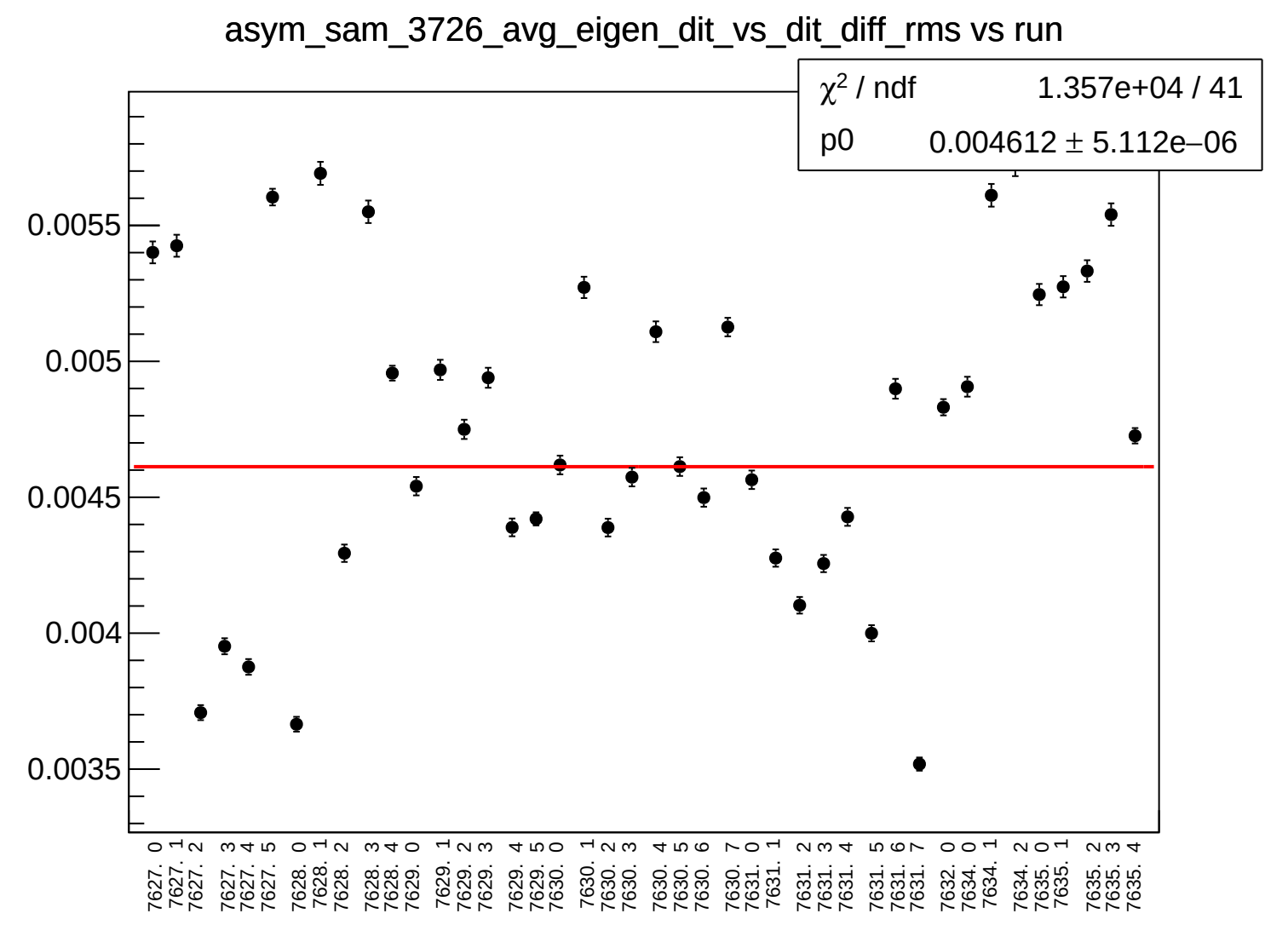

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.178e+04 / 41
p0 197.3 ± 0.2254
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

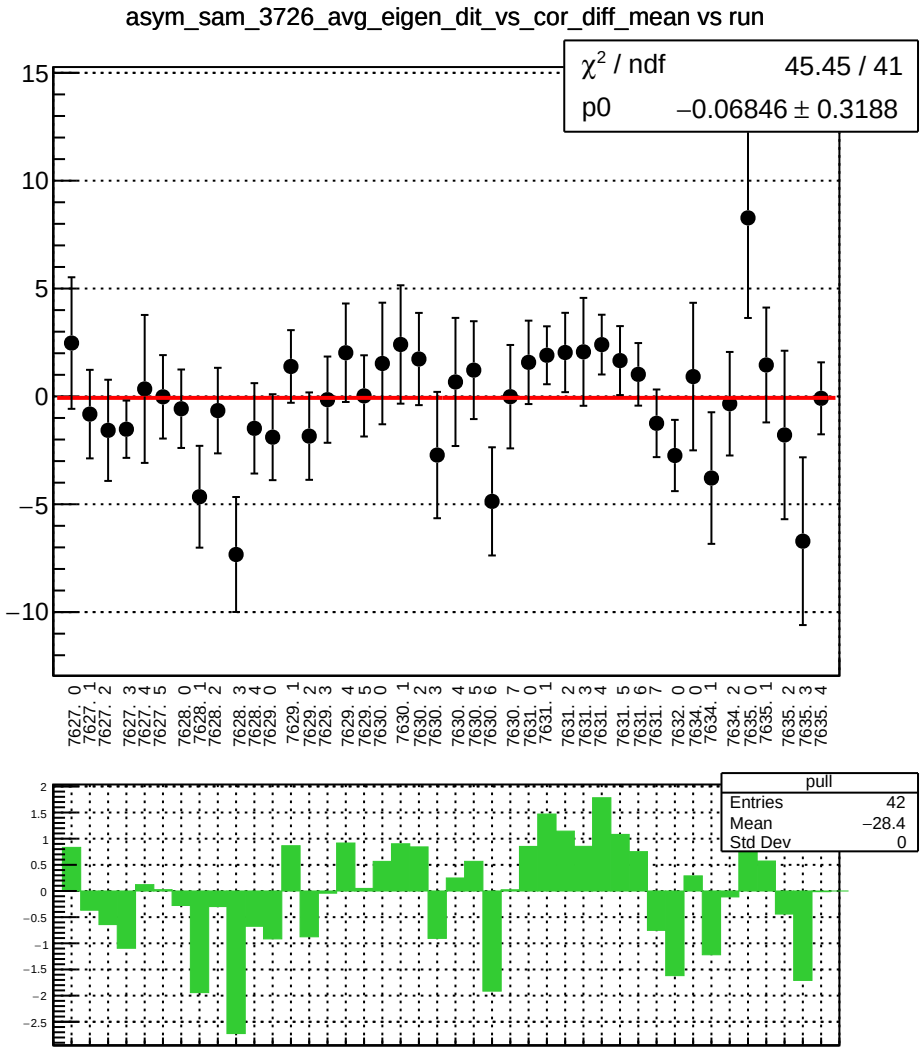

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.45 / 41
p0 −0.06846 ± 0.3188
pull
Entries 42
Mean −28.4
Std Dev 0
pull1D
Entries 42
Mean −0.04716
Std Dev 1.039

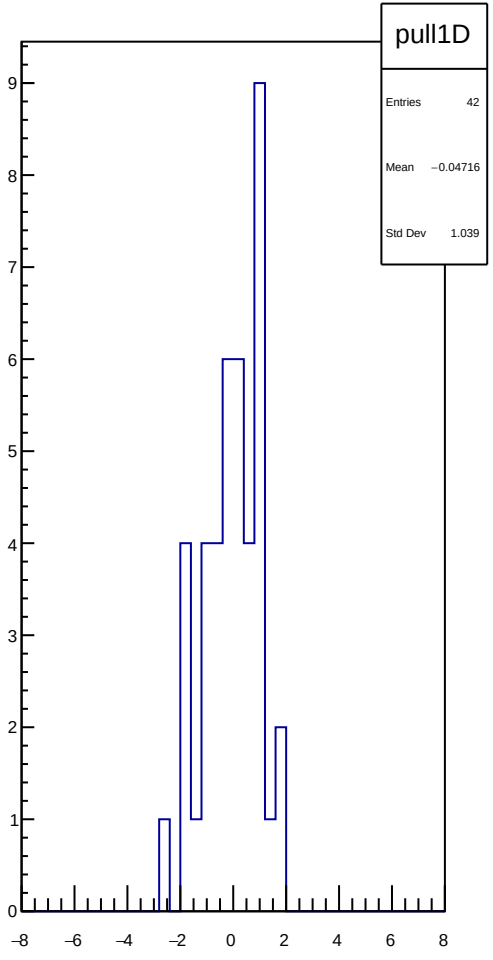

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.178e+04 / 41
p0 197.3 ± 0.2254
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

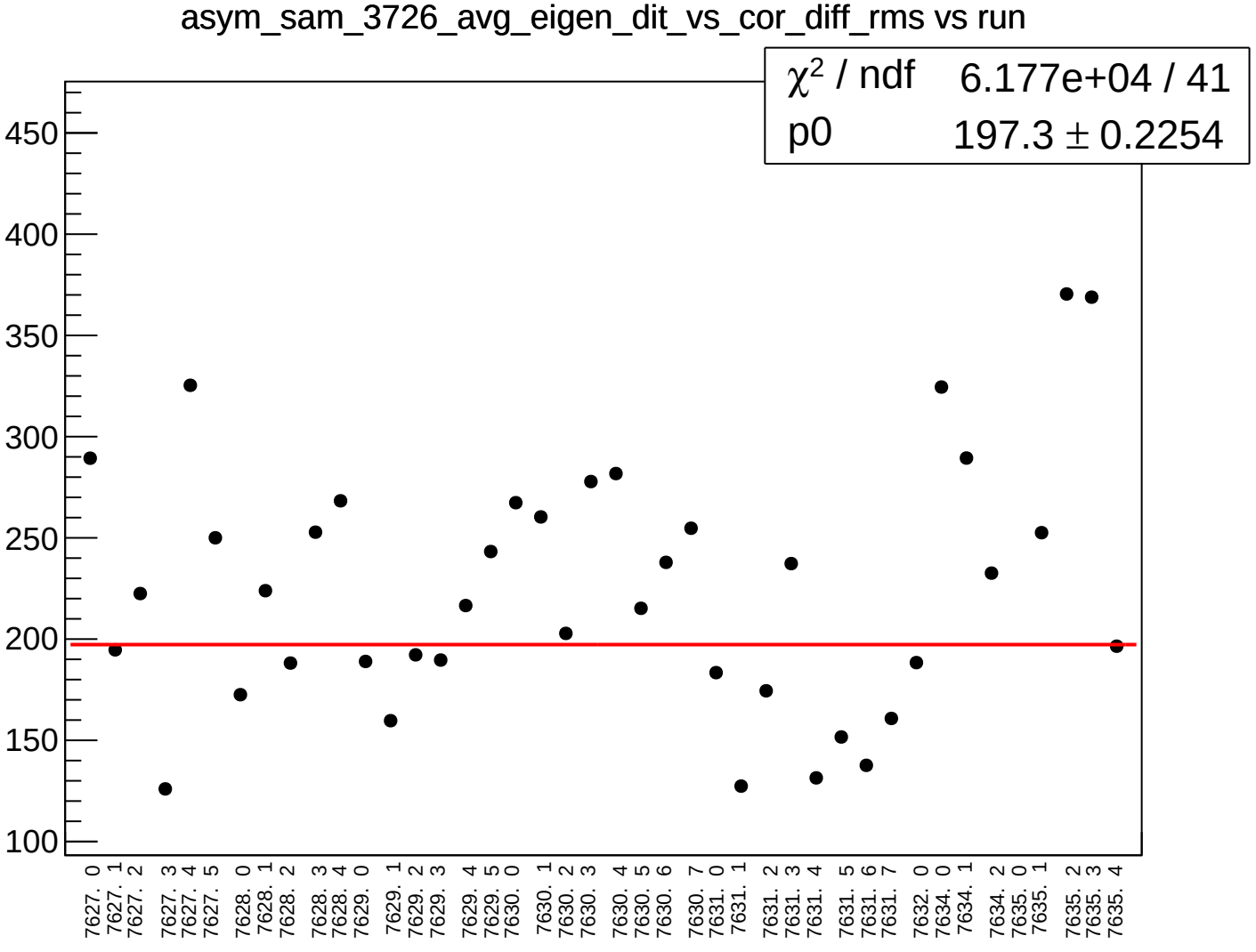

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.2 / 41
p0 7.733e−06 ± 7.229e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 52.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

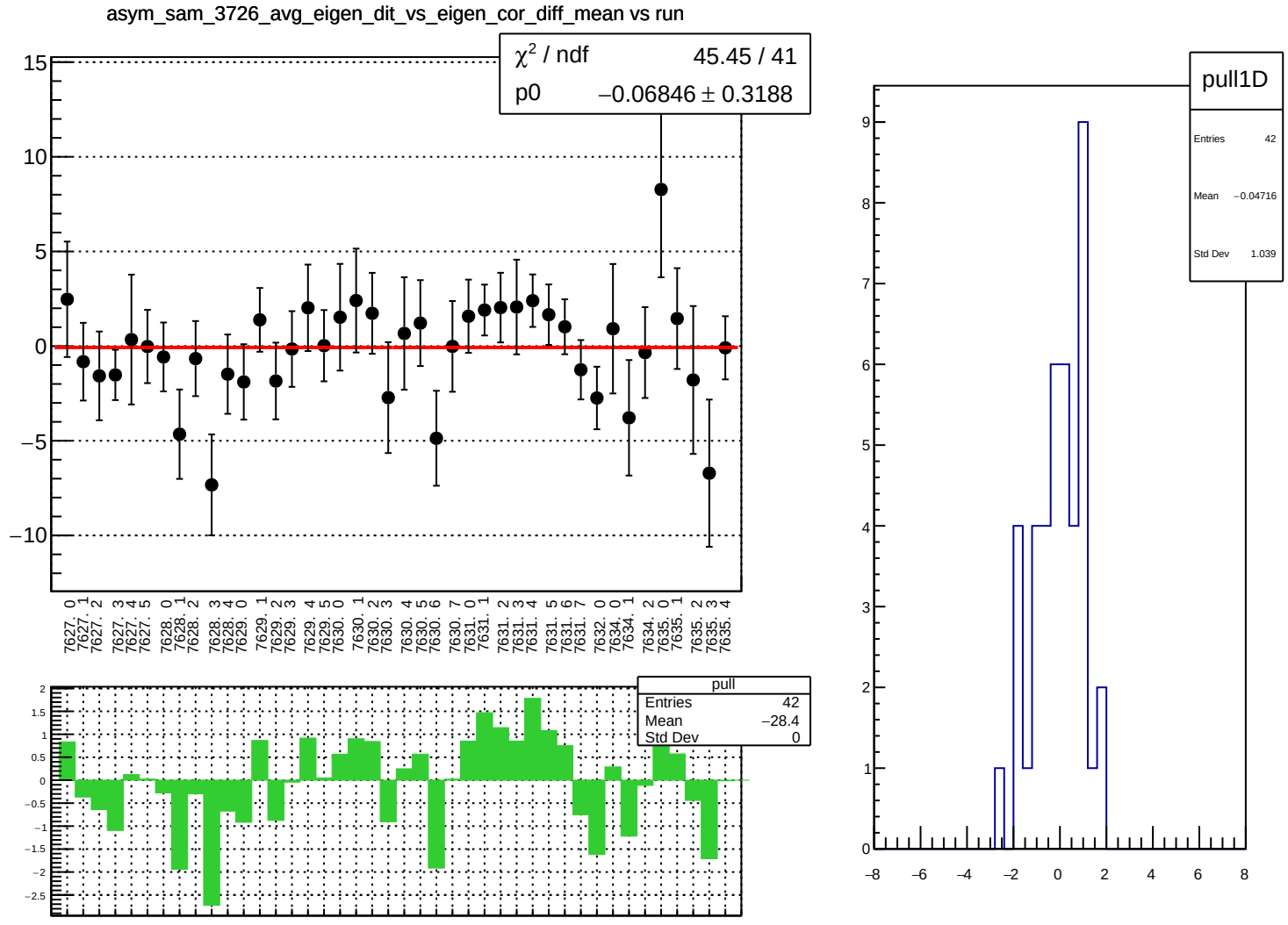

pull1D
Entries 42
Mean 0.01673
Std Dev 1.125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

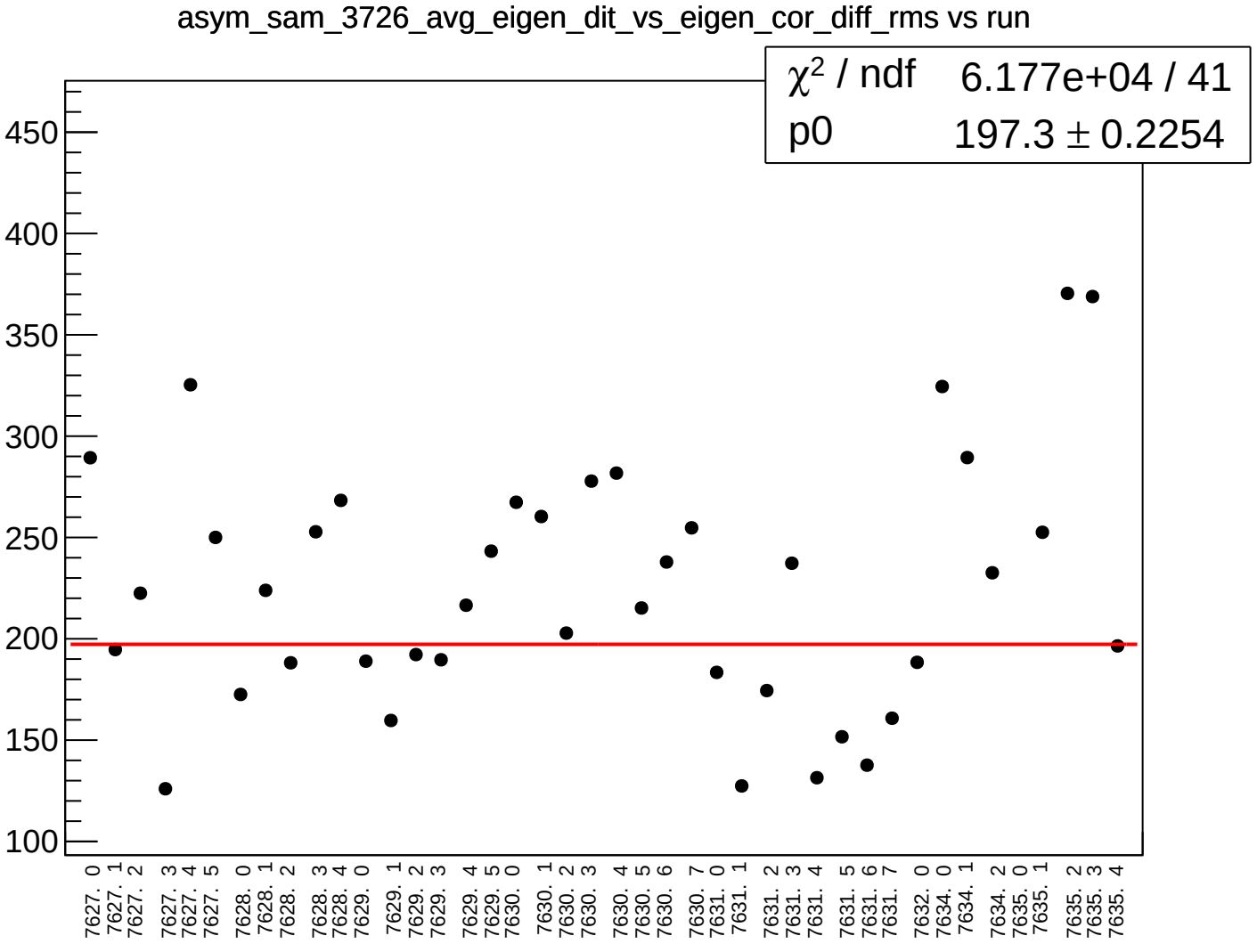

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.357e+04 / 41
p0 0.004612 ± 5.112e−06
0.0055
0.005
0.0045
0.004
0.0035
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

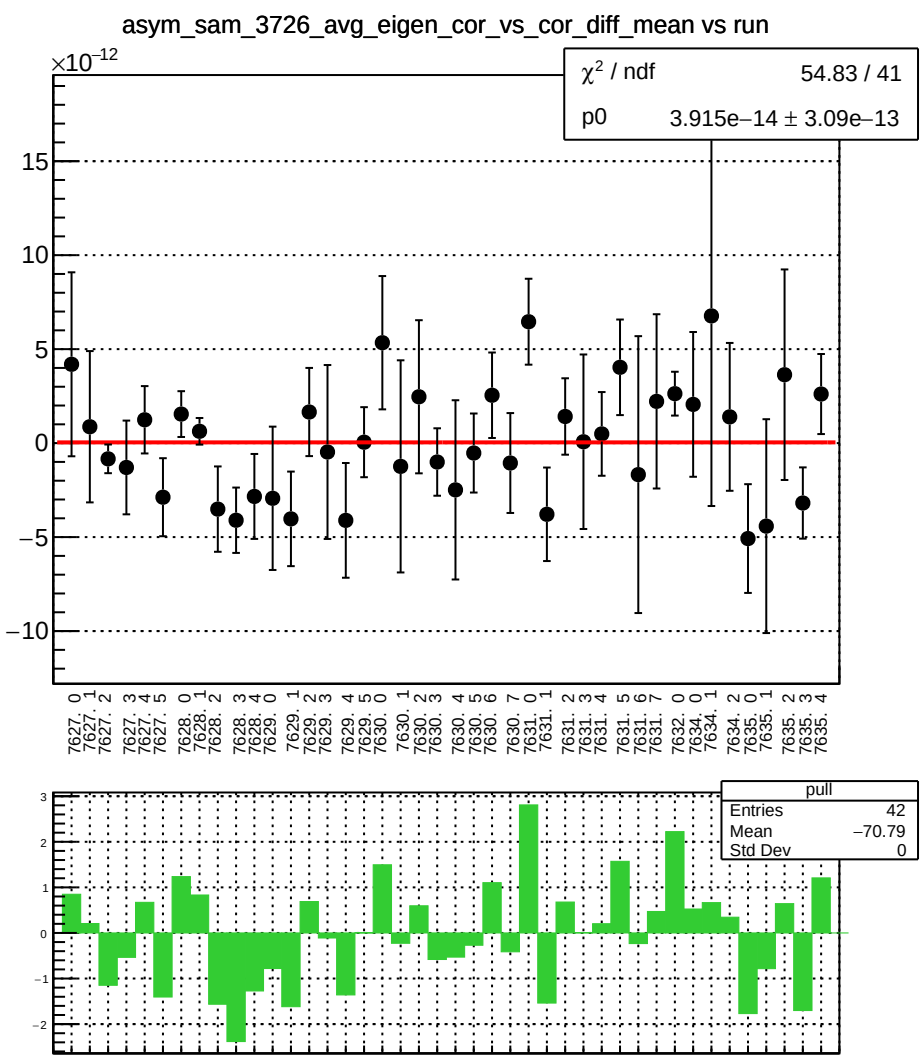

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.45 / 41
p0 −0.06846 ± 0.3188
pull
Entries 42
Mean −28.4
Std Dev 0

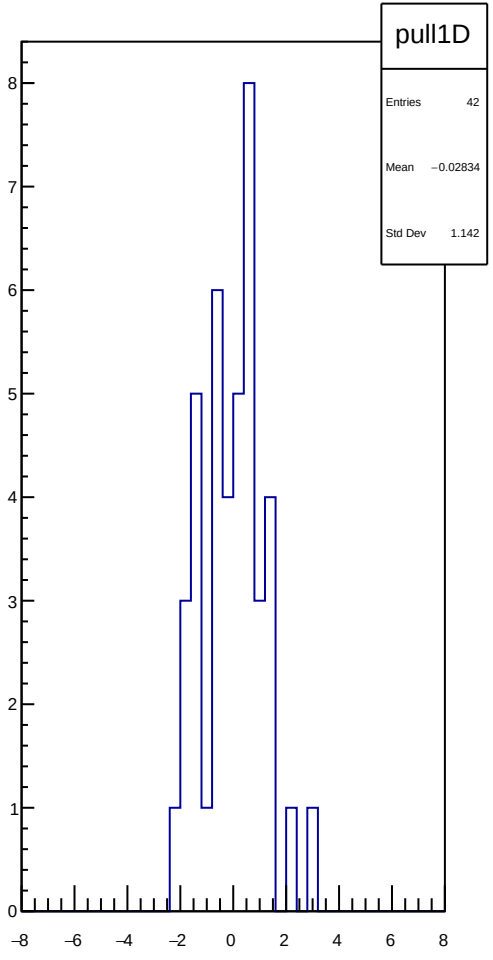

pull1D
Entries 42
Mean −0.04716
Std Dev 1.039

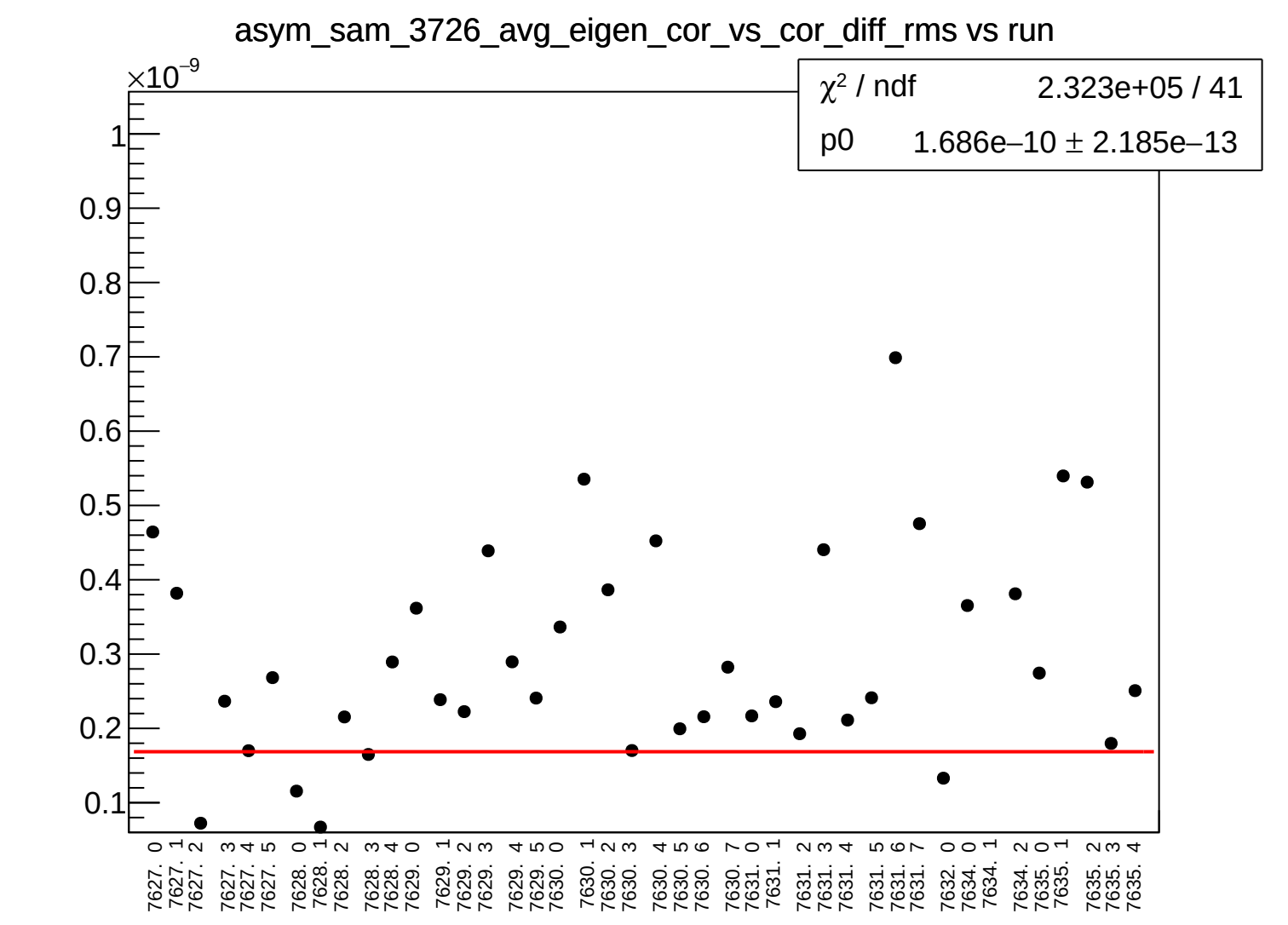

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.177e+04 / 41
p0 197.3 ± 0.2254
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

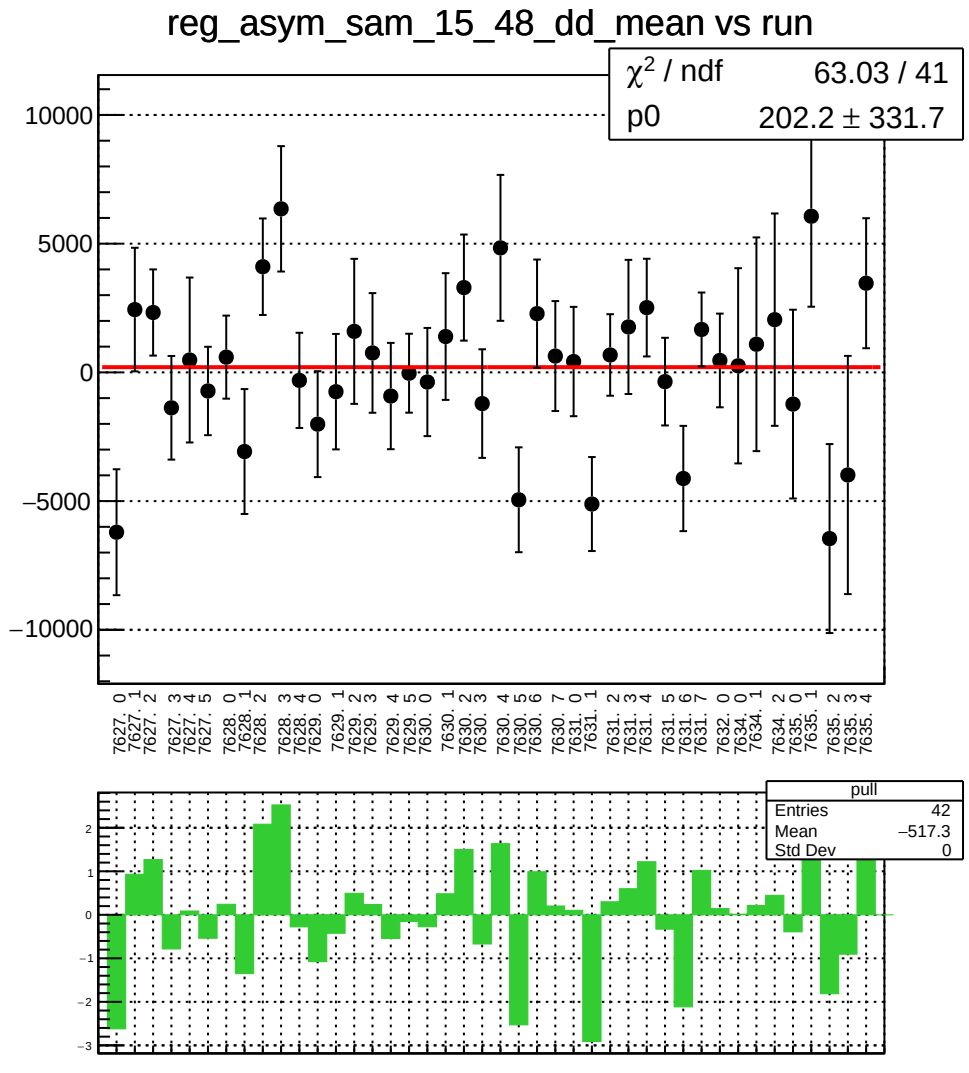

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.45 / 41
p0 −0.06846 ± 0.3188
pull
Entries 42
Mean −28.4
Std Dev 0
pull1D
Entries 42
Mean −0.04716
Std Dev 1.039

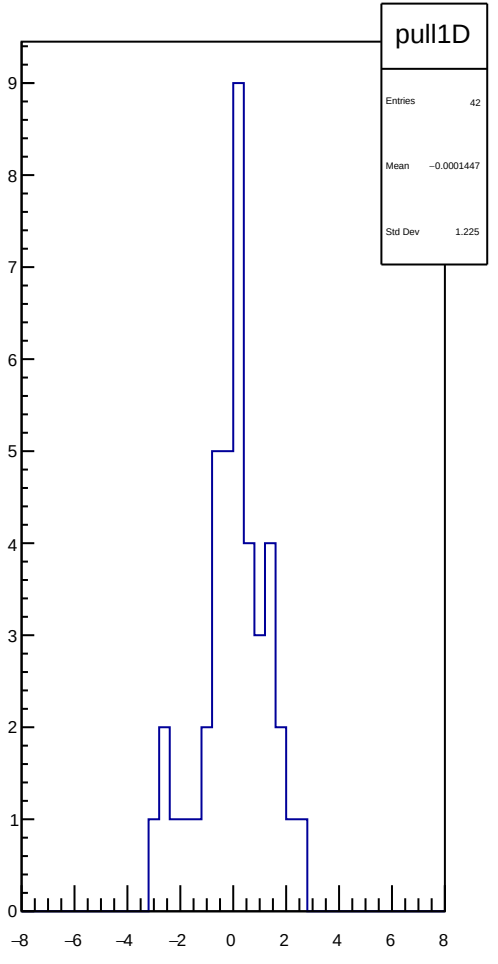

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.177e+04 / 41
p0 197.3 ± 0.2254
450
400
350
300
250
200
150
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

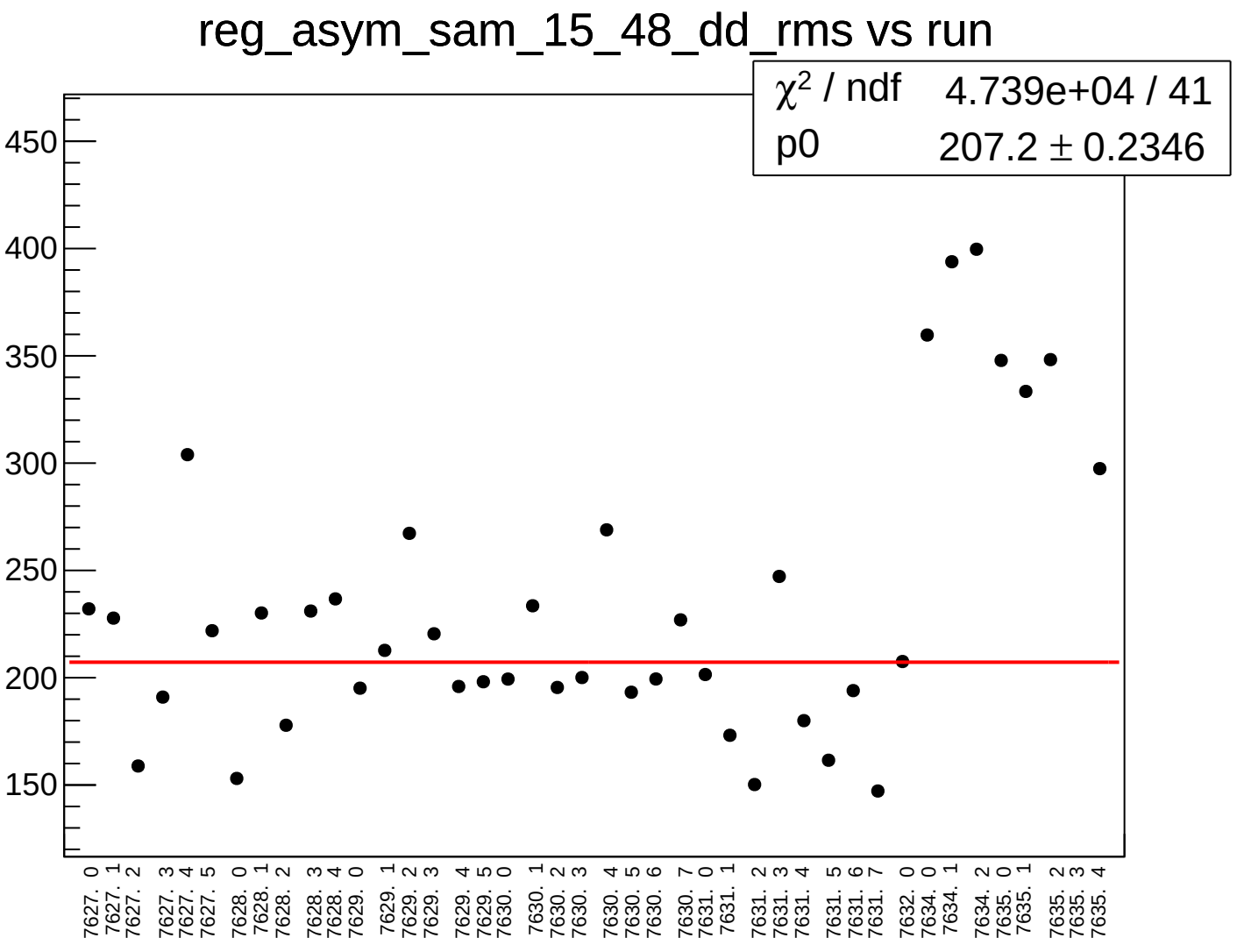

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 54.83 / 41
p0 3.915e−14 ± 3.09e−13
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −70.79
Std Dev 0
3
2
1
0
−1
−2

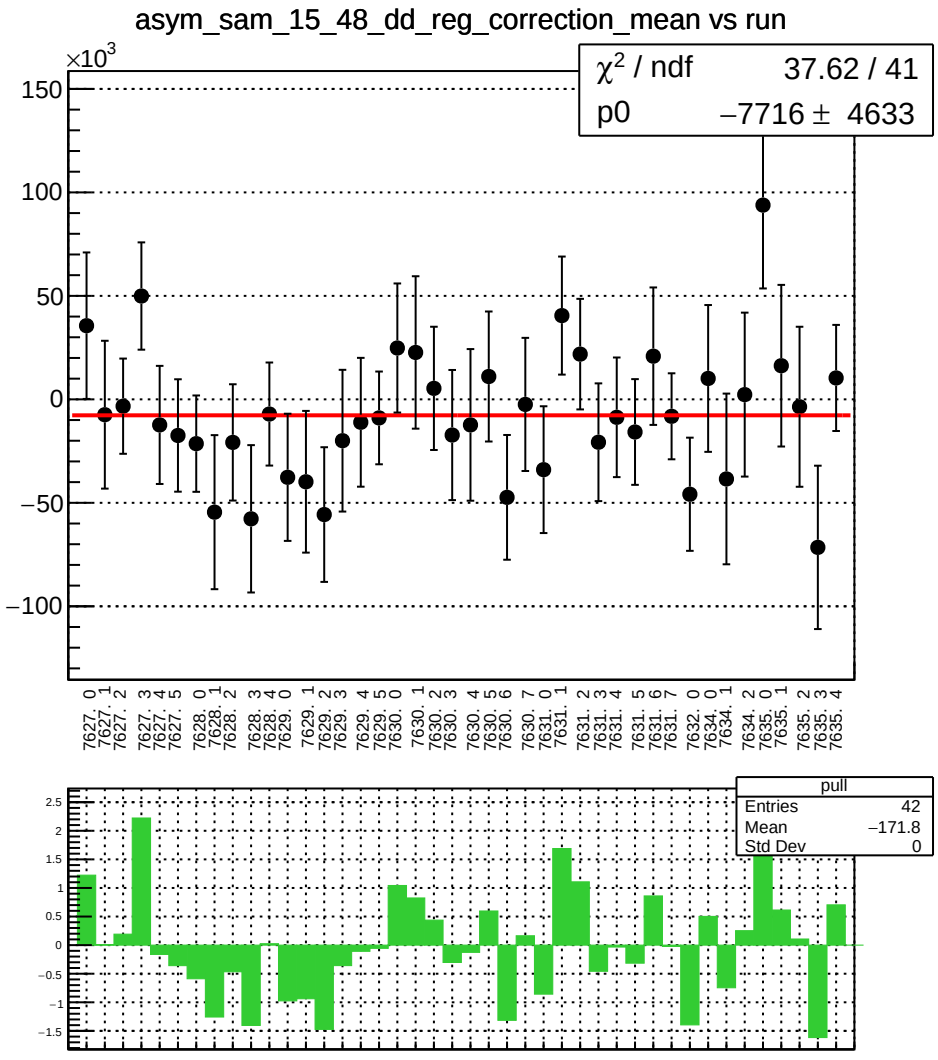

pull1D
Entries 42
Mean −0.02834
Std Dev 1.142
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

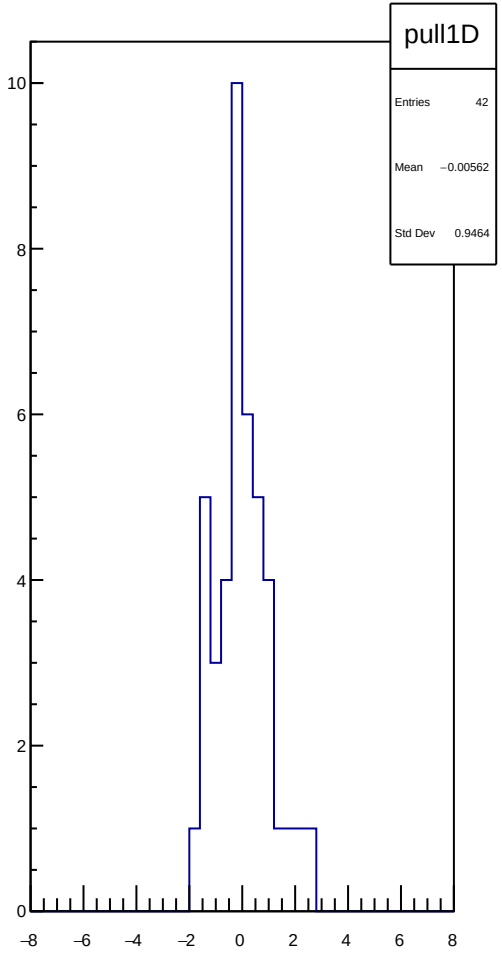

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.323e+05 / 41
p0 1.686e−10 ± 2.185e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

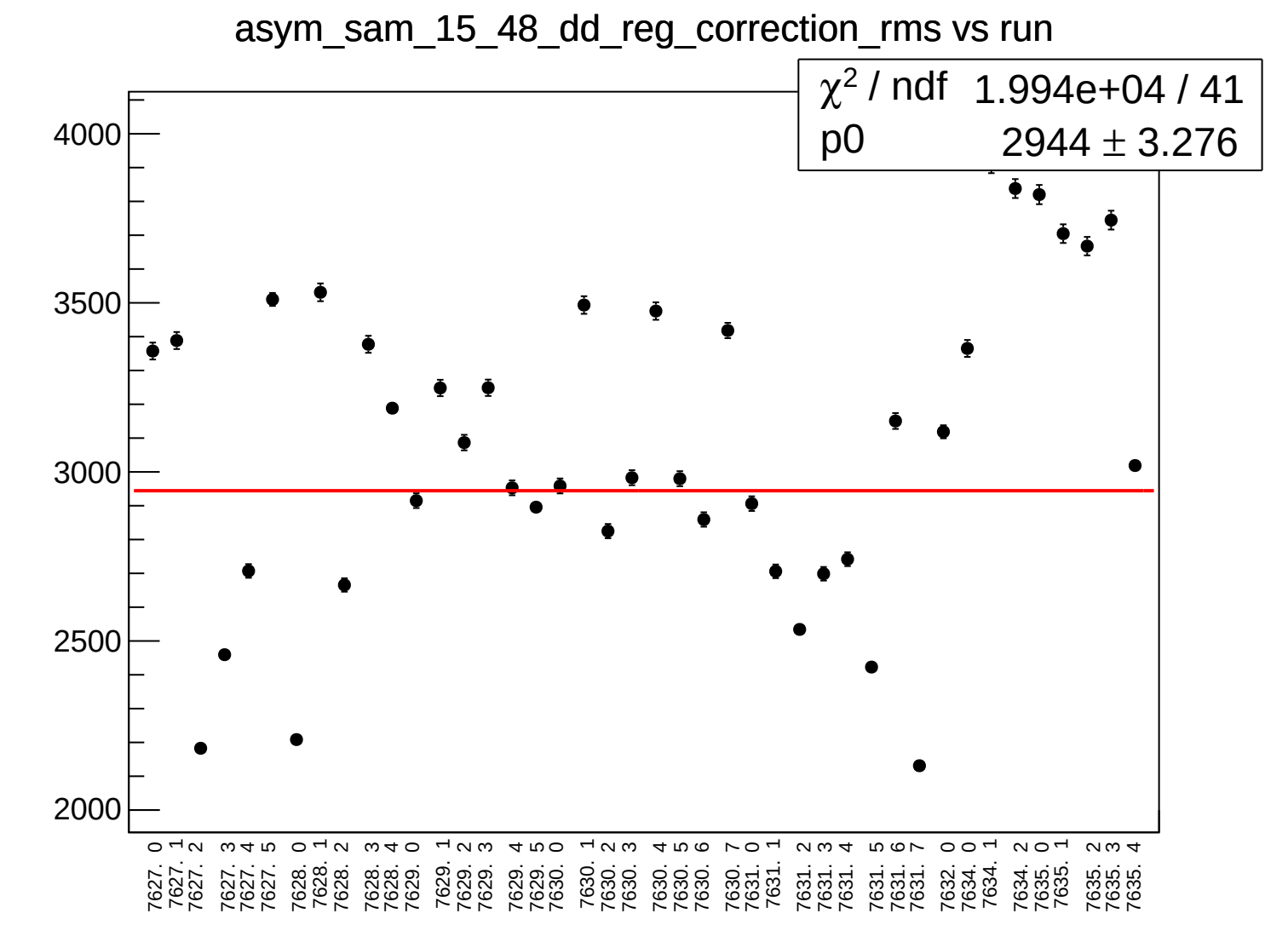

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.03 / 41
p0 202.2 ± 331.7
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −517.3
Std Dev 0
2
1
0
−1
−2
−3

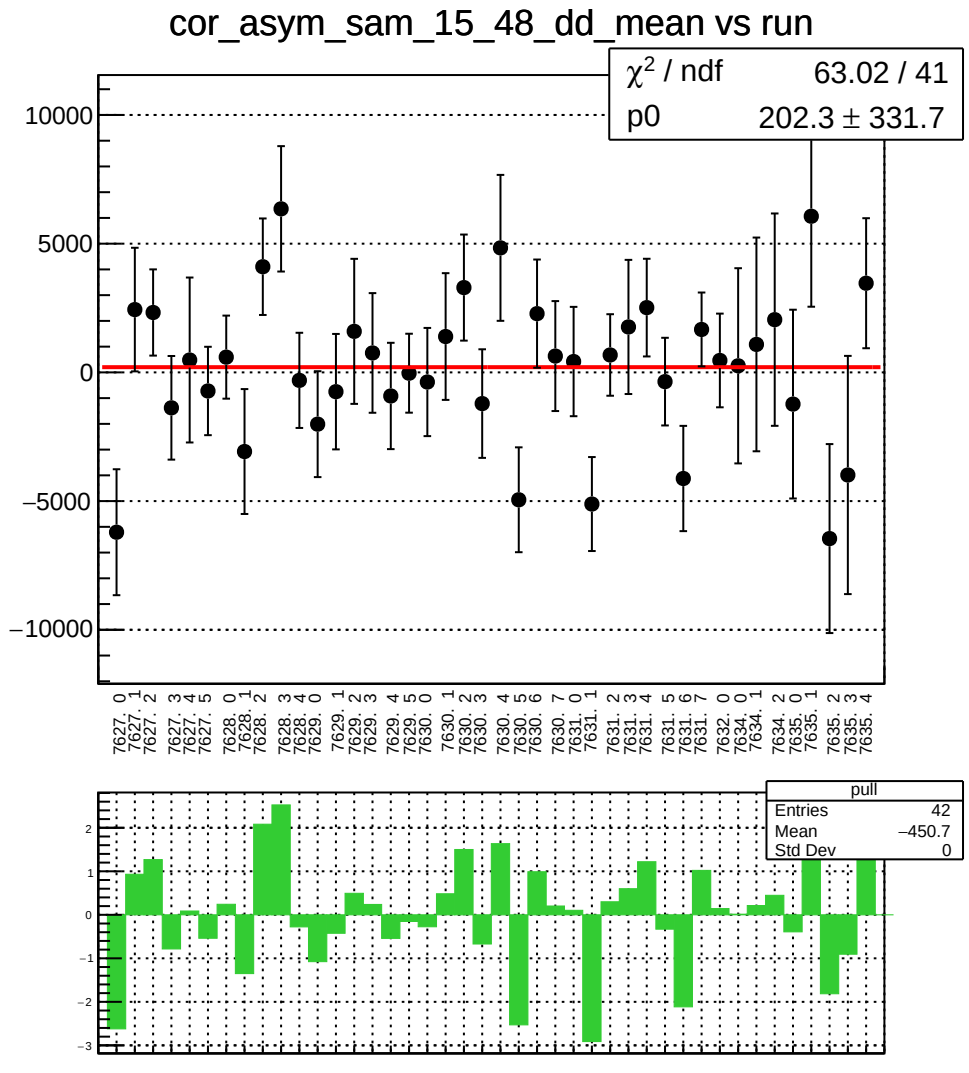

pull1D
Entries 42
Mean −0.0001447
Std Dev 1.225
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

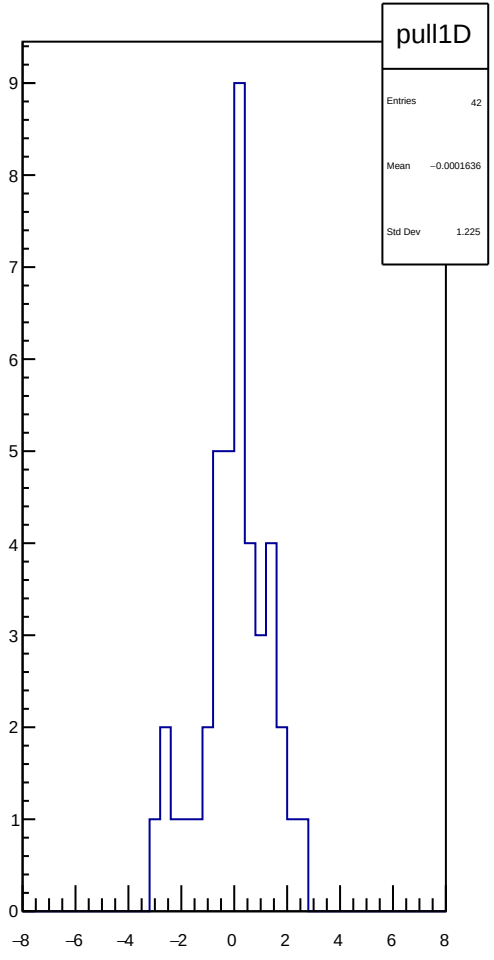

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.739e+04 / 41
p0 207.2 ± 0.2346
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

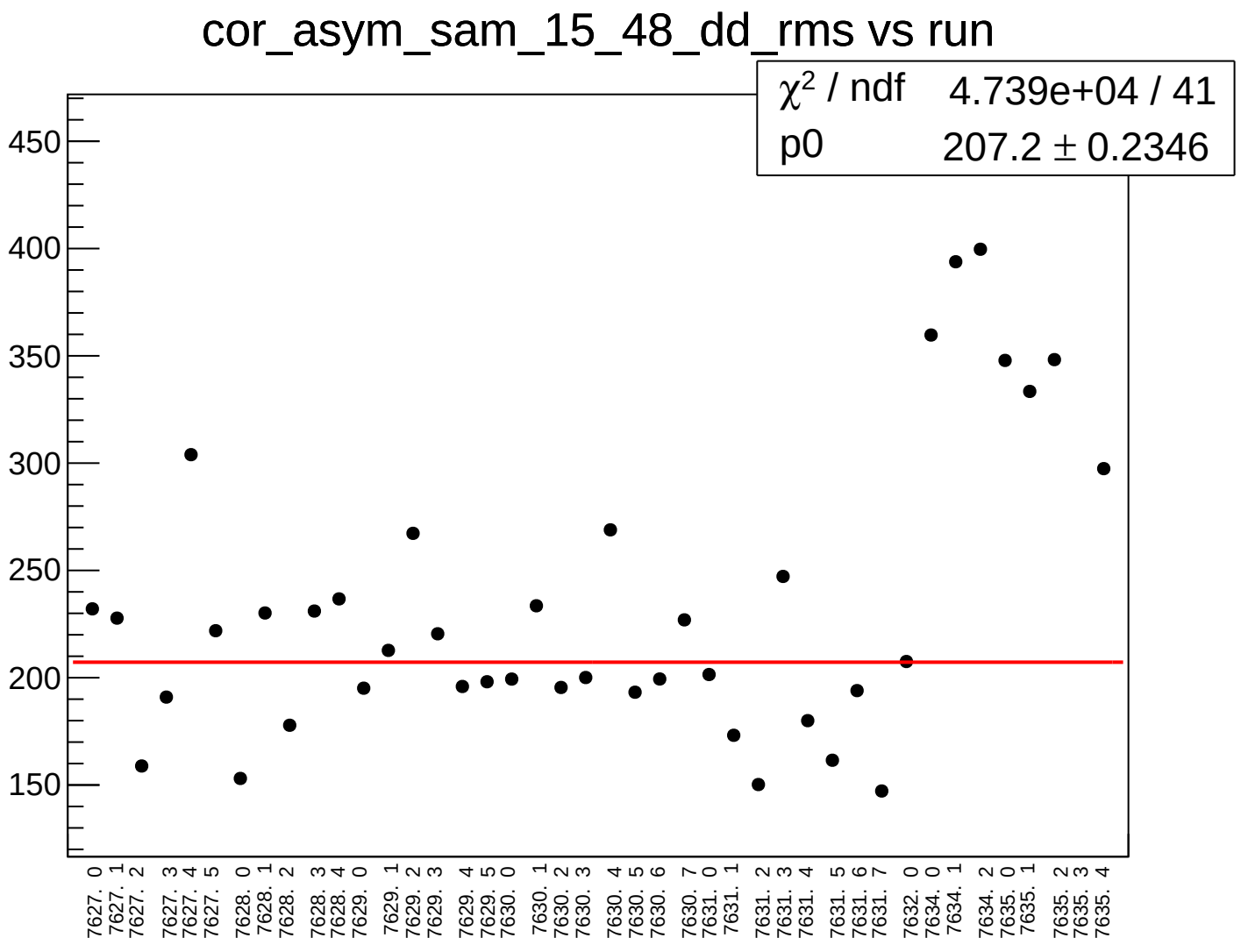

asym_sam_15_48_dd_reg_correction_mean vs run
×10^3
χ² / ndf 37.62 / 41
p0 −7716 ± 4633
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −171.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

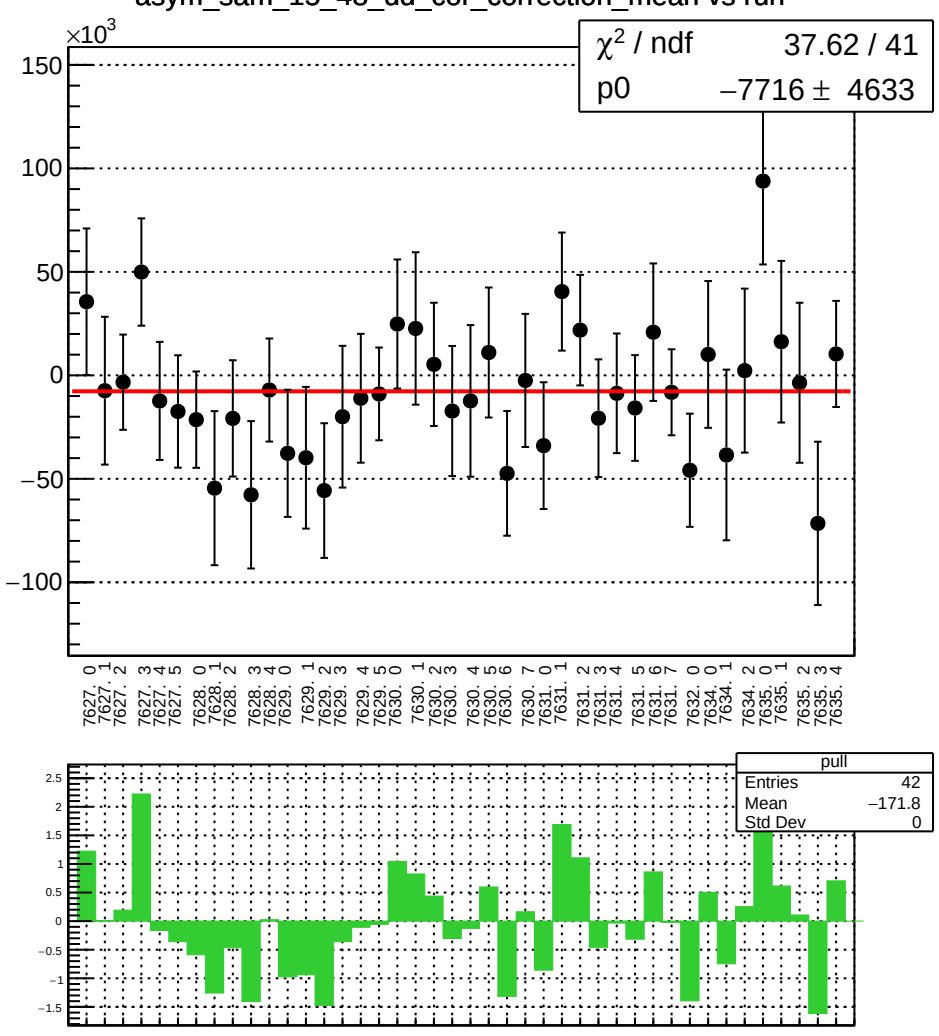

pull1D
Entries 42
Mean −0.00562
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

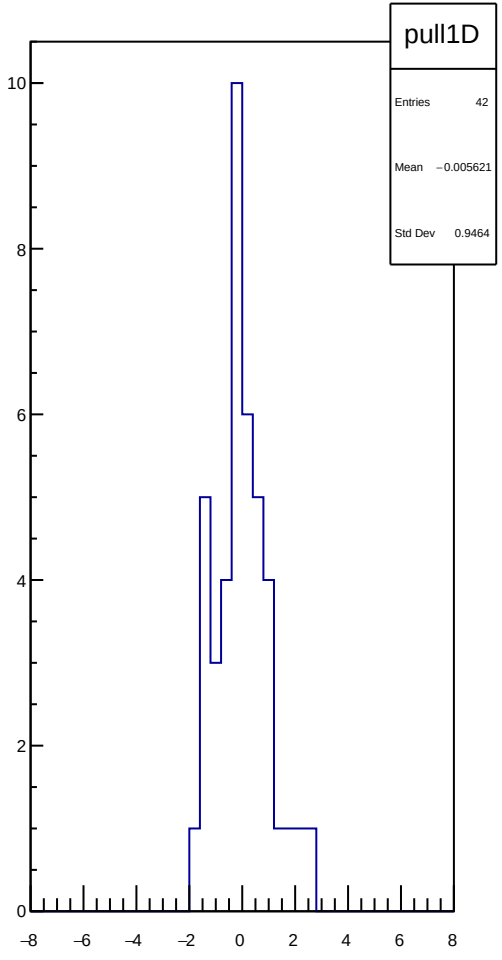

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 1.994e+04 / 41
p0 2944 ± 3.276
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

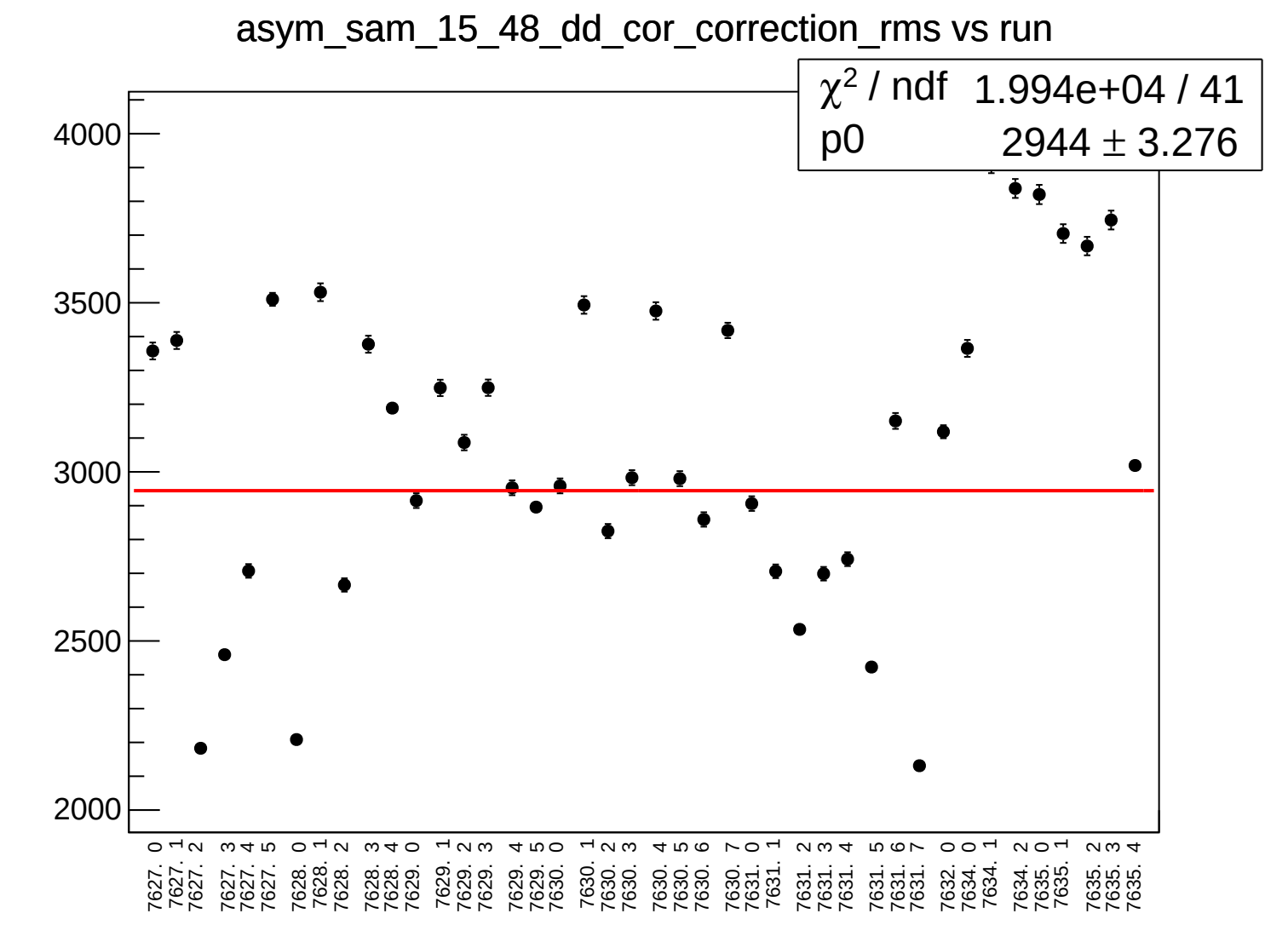

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.02 / 41
p0 202.3 ± 331.7
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −450.7
Std Dev 0
2
1
0
−1
−2
−3

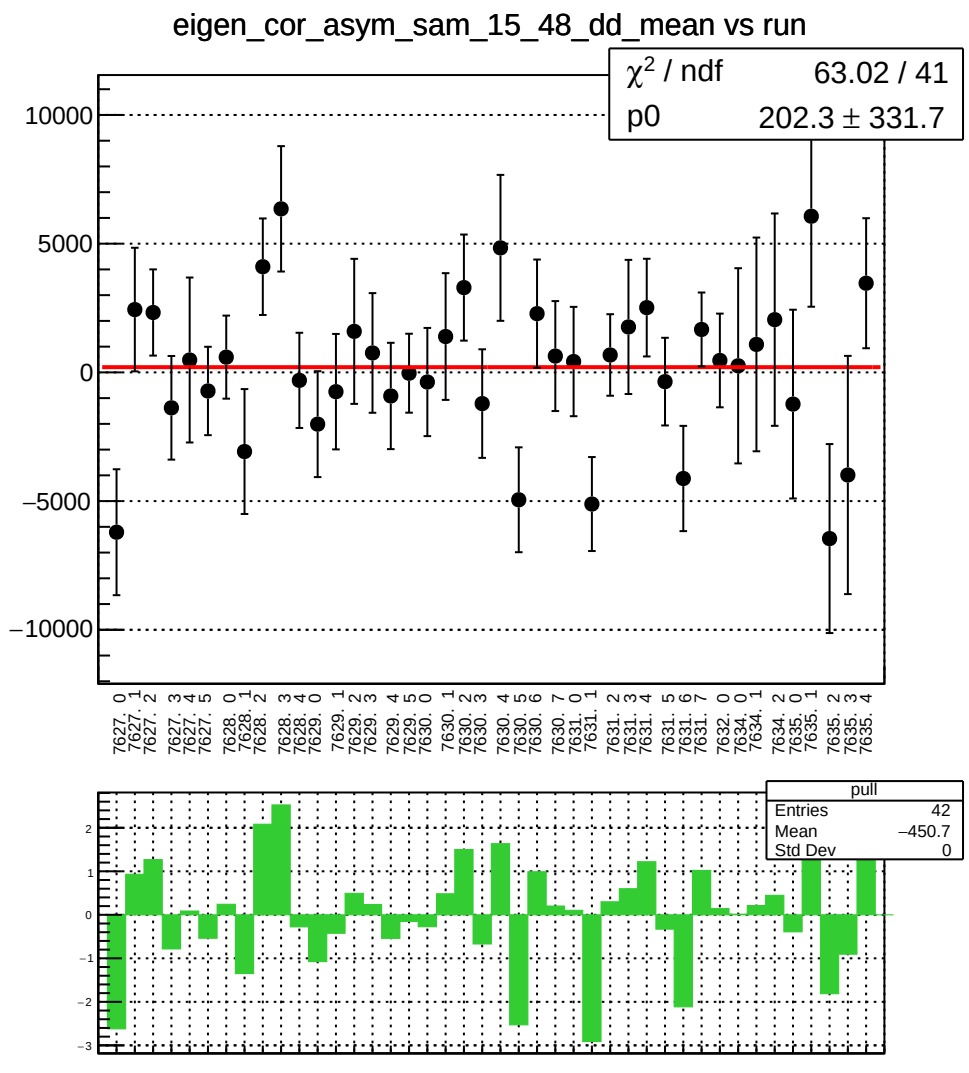

pull1D
Entries 42
Mean −0.0001636
Std Dev 1.225
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

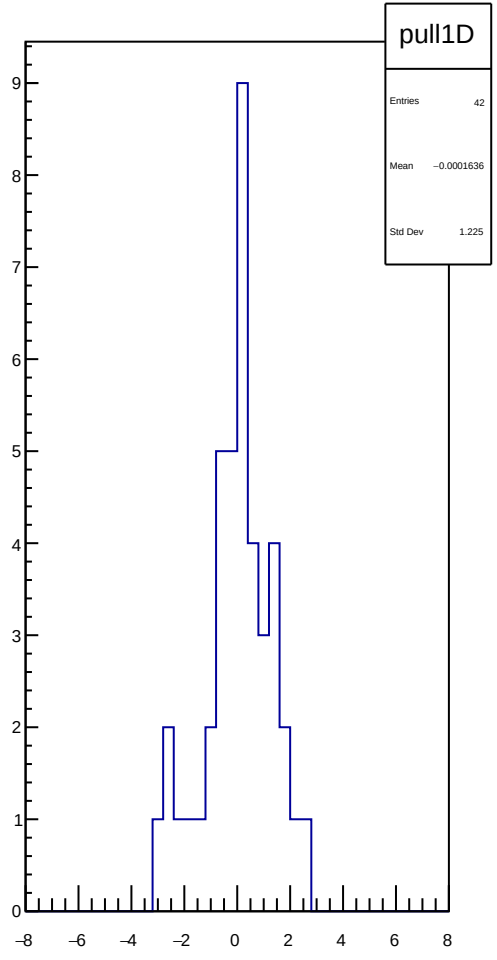

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.739e+04 / 41
p0 207.2 ± 0.2346
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

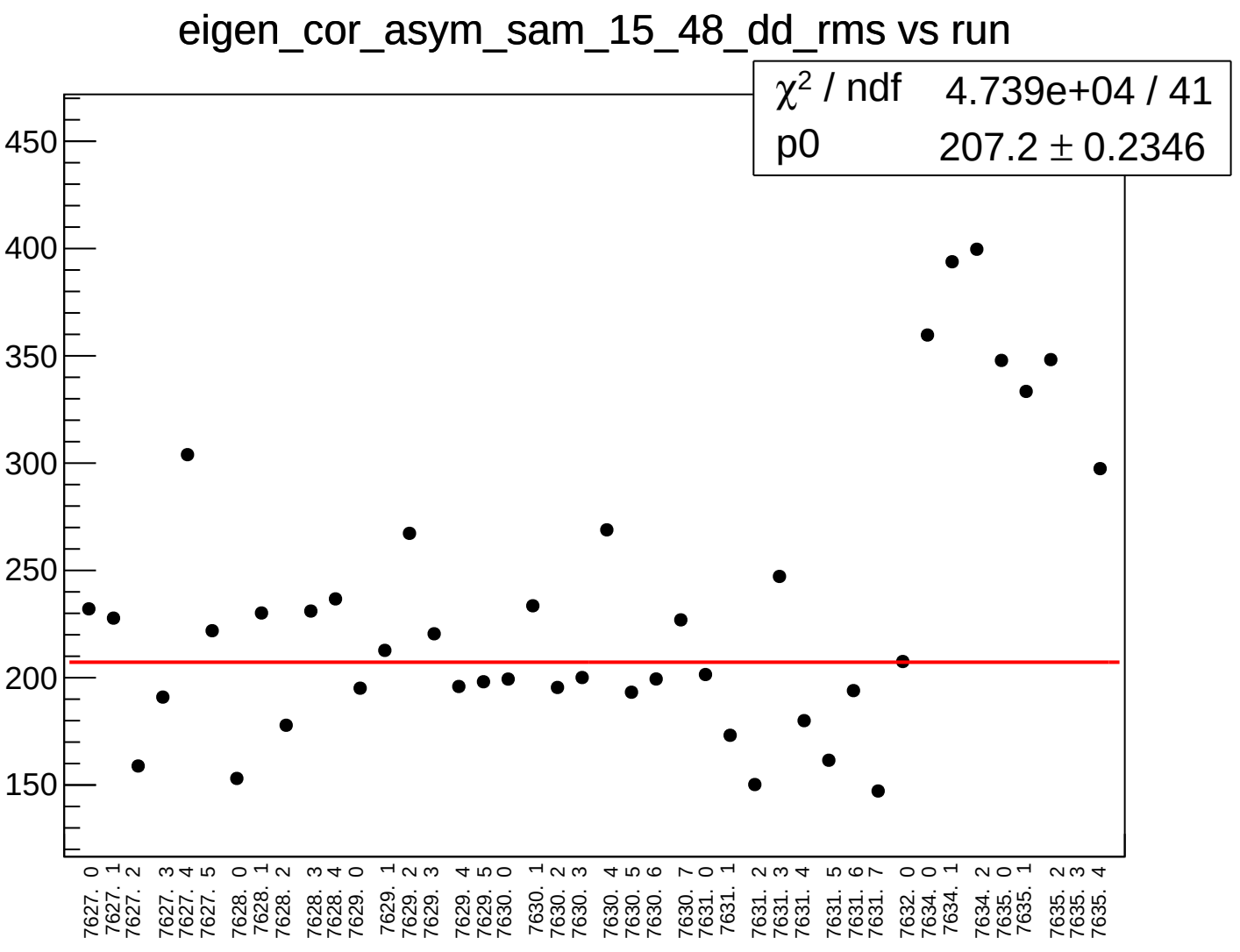

asym_sam_15_48_dd_cor_correction_mean vs run
×10^3
χ² / ndf 37.62 / 41
p0 −7716 ± 4633
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −171.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.005621
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 1.994e+04 / 41
p0 2944 ± 3.276
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.02 / 41
p0 202.3 ± 331.7
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −450.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 42
Mean −0.0001636
Std Dev 1.225
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.739e+04 / 41
p0 207.2 ± 0.2346
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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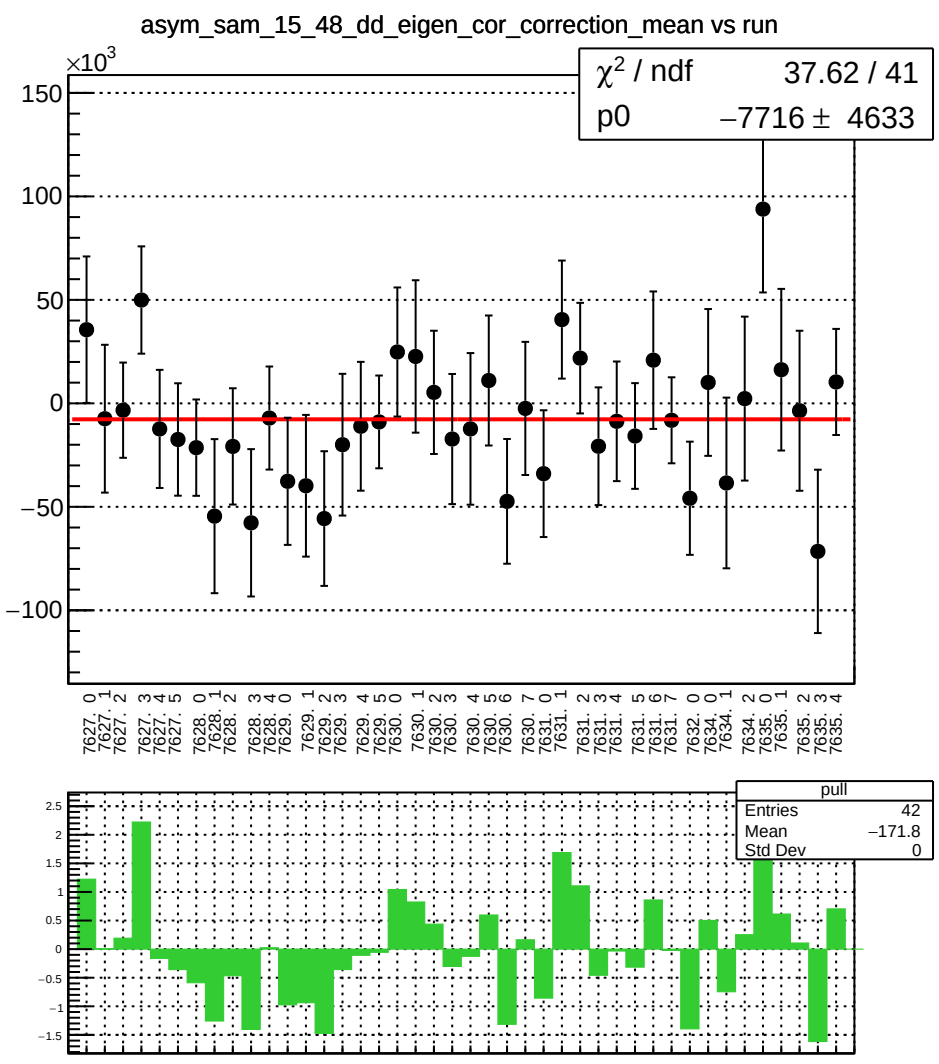
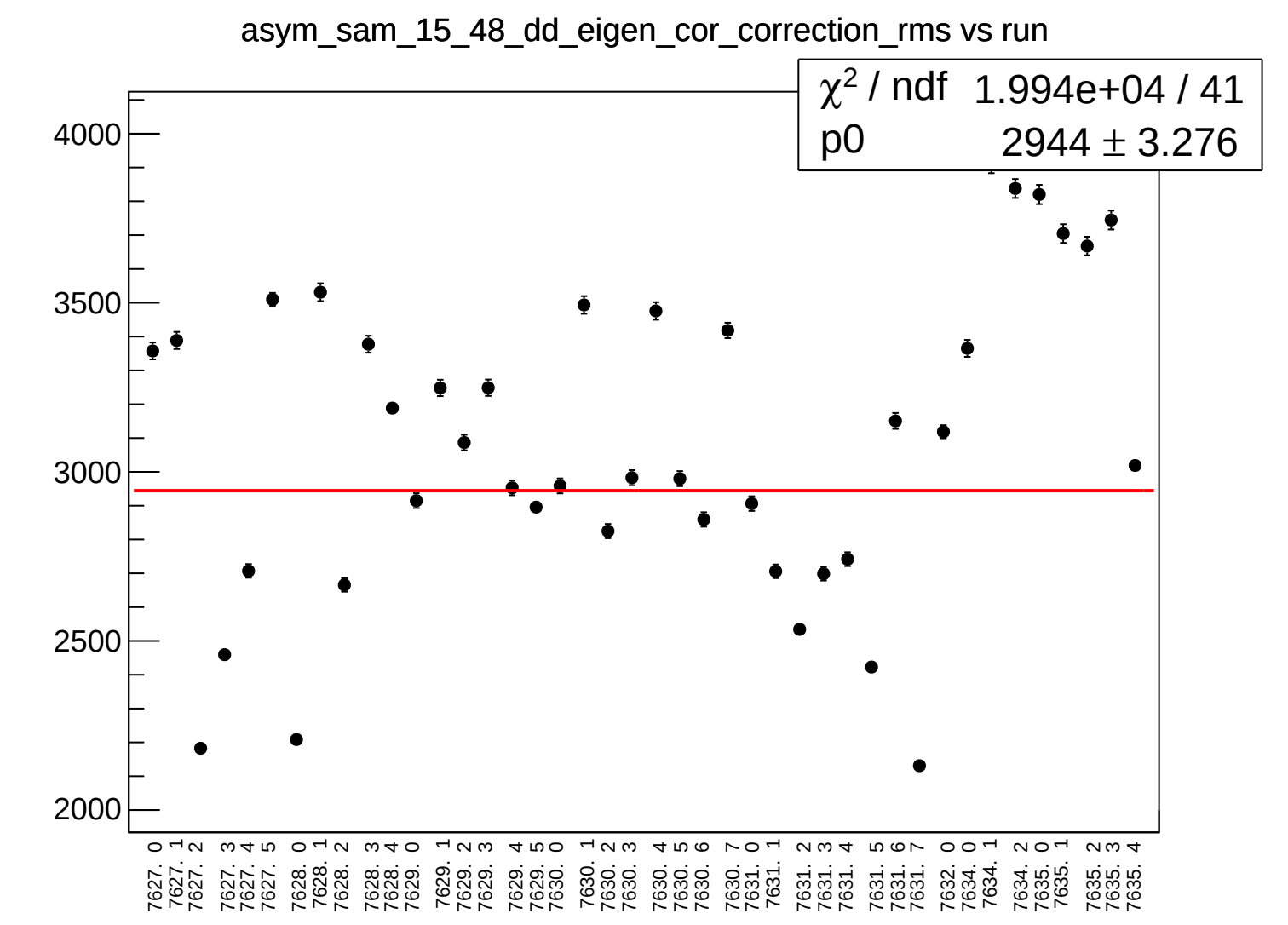
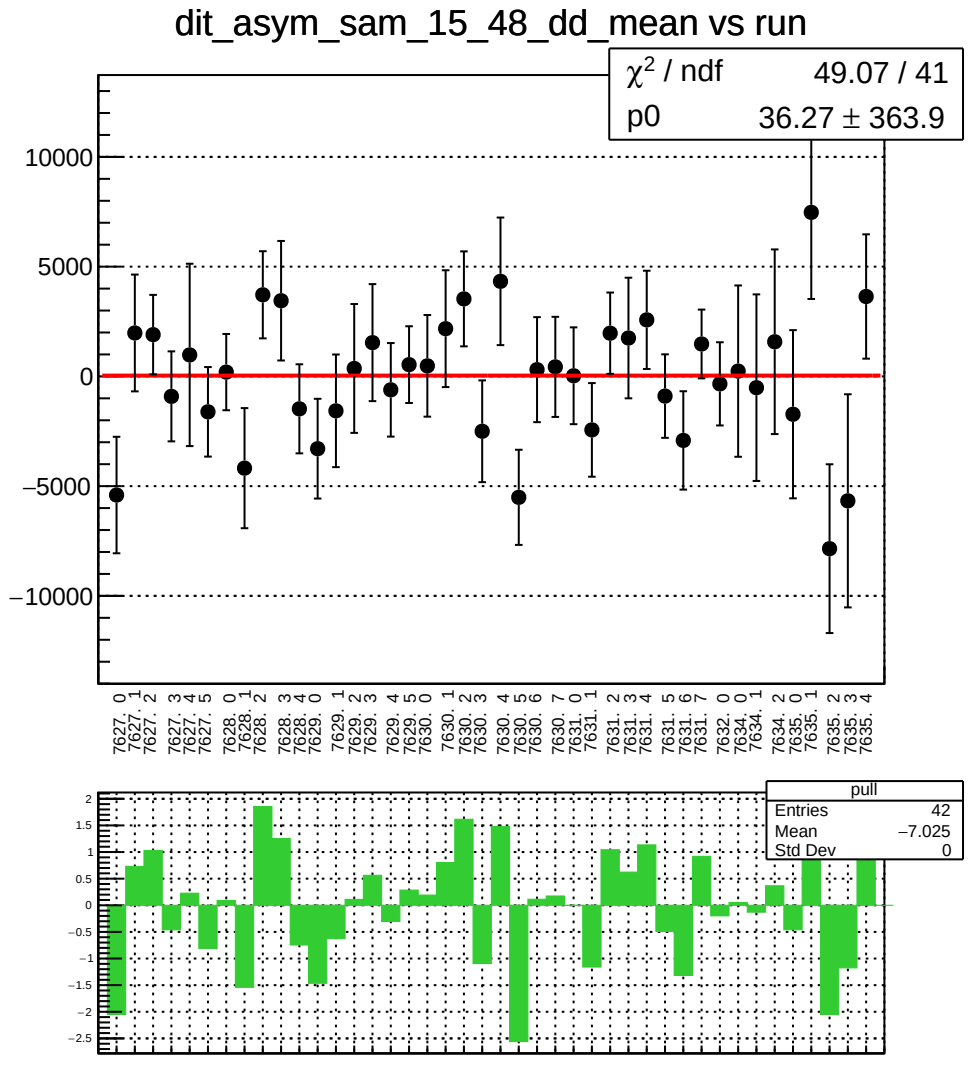
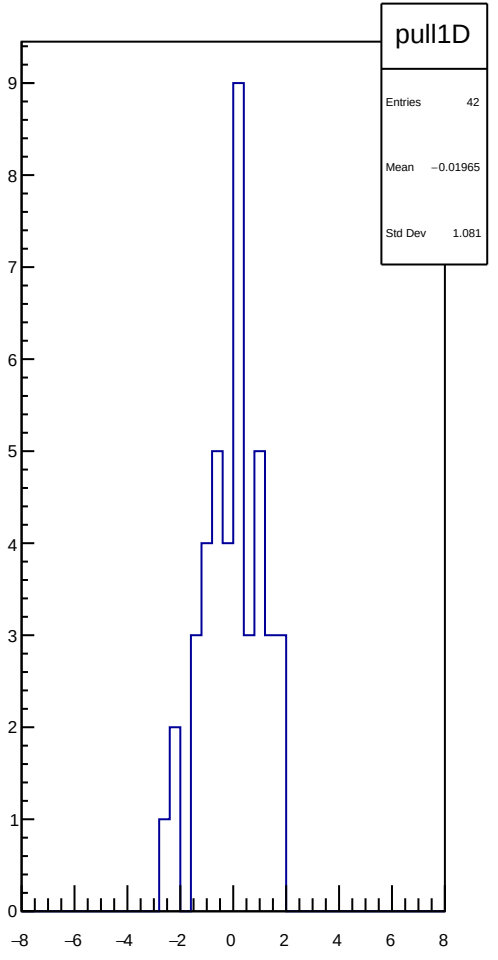
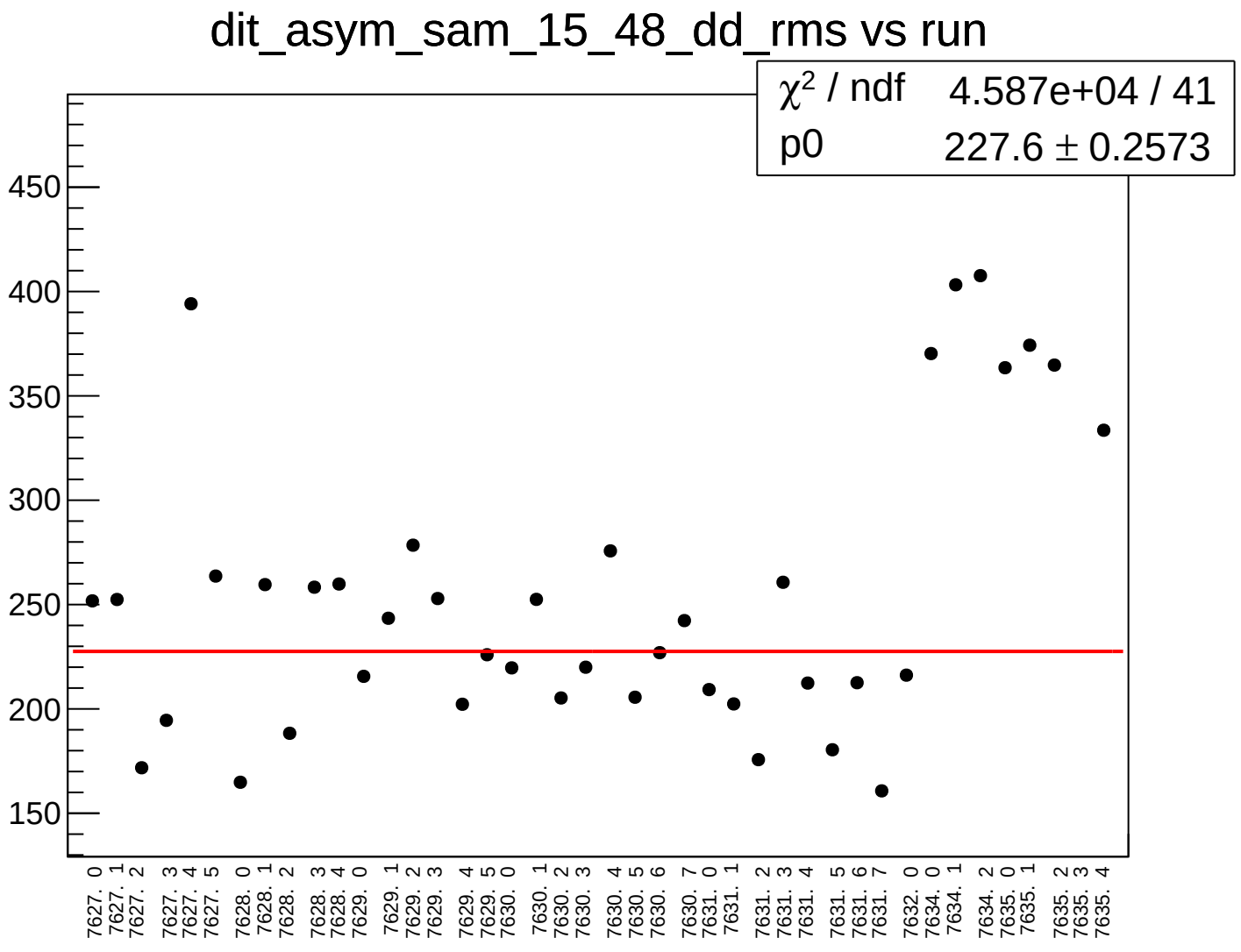
7635. 3
7635. 4


asym_sam_15_48_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 37.62 / 41
p0 −7716 ± 4633
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −171.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.005621
Std Dev 0.9464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.994e+04 / 41
p0 2944 ± 3.276
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 49.07 / 41
p0 36.27 ± 363.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.025
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean −0.01965
Std Dev 1.081
9
8
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 4.587e+04 / 41
p0 227.6 ± 0.2573
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
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7630. 2
7630. 3
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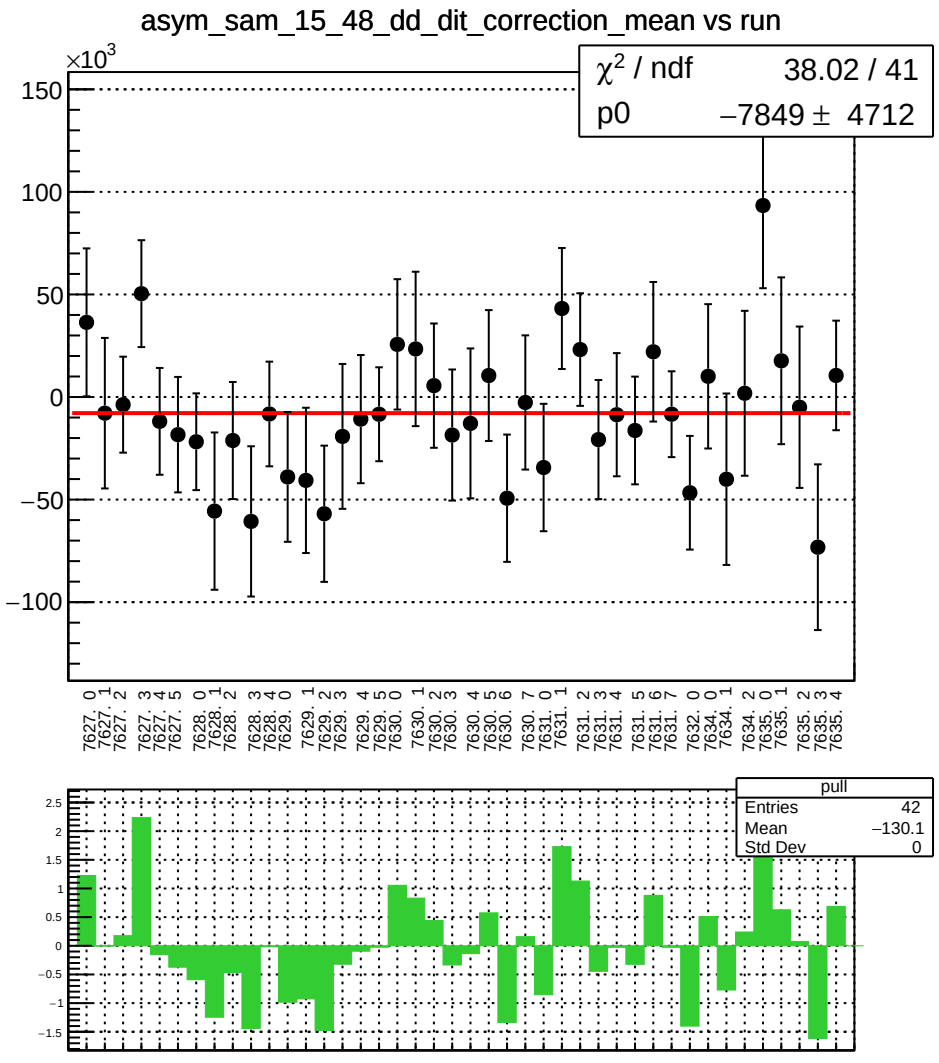
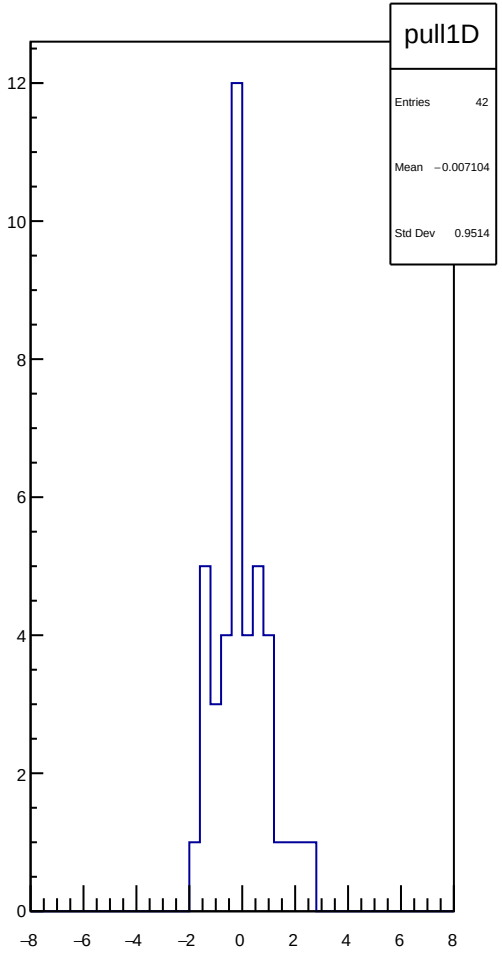
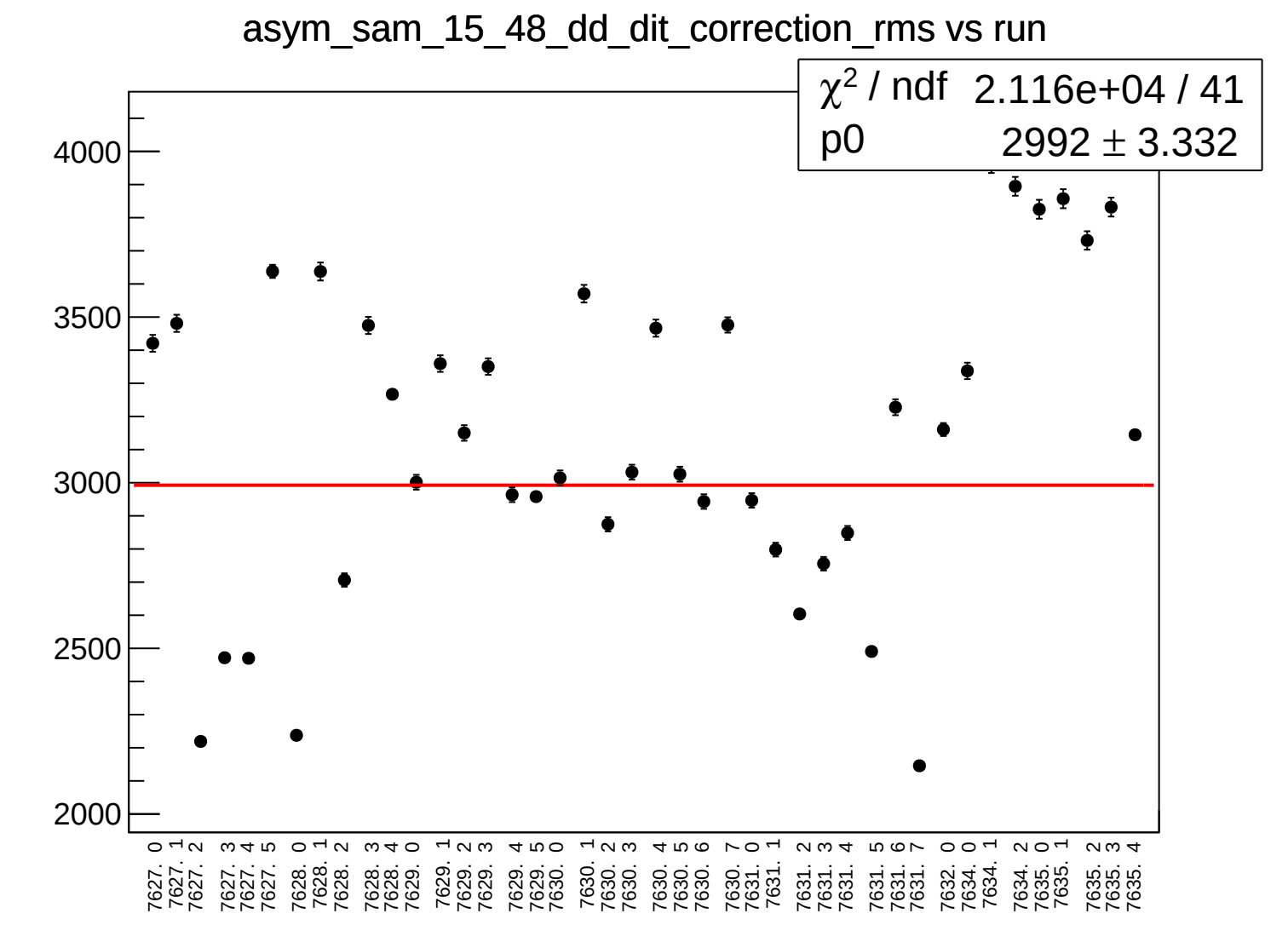
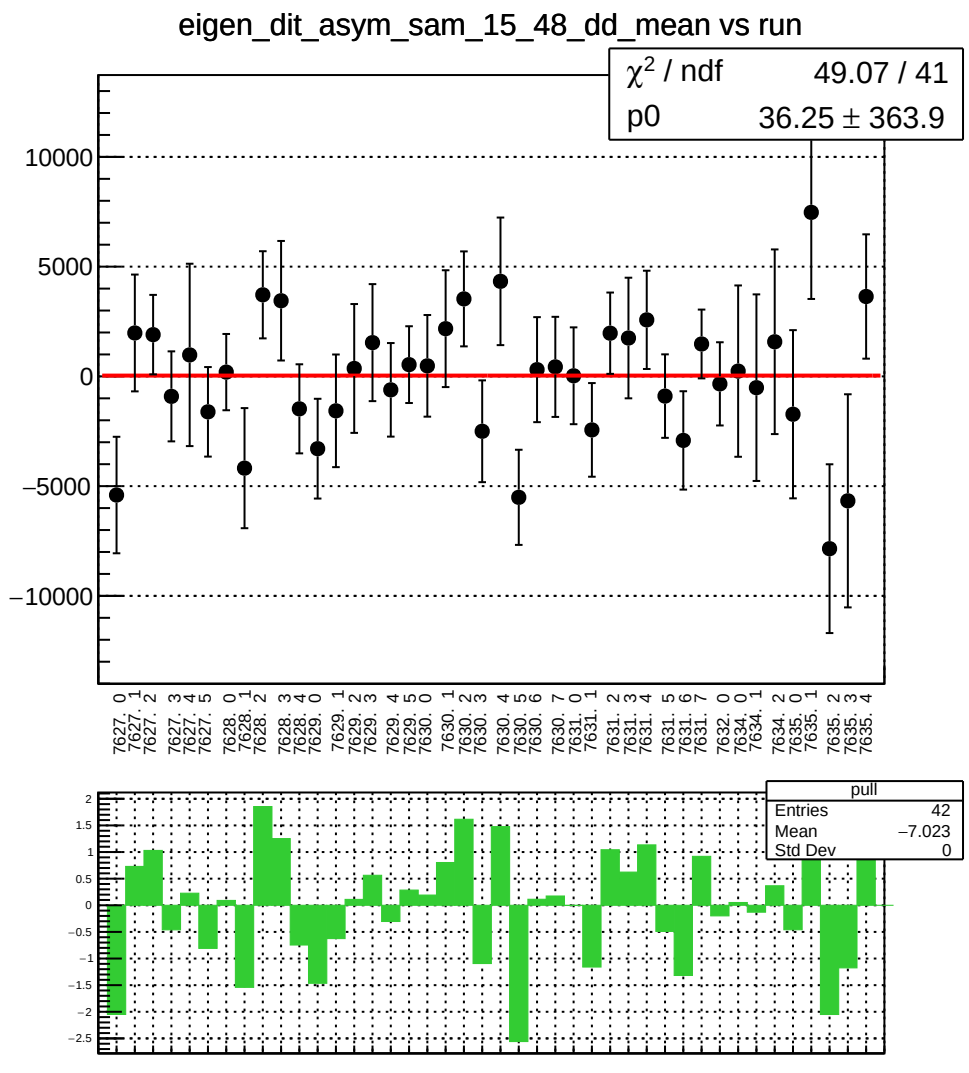
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_48_dd_dit_correction_mean vs run
×10^3
χ² / ndf 38.02 / 41
p0 −7849 ± 4712
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −130.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 42
Mean −0.007104
Std Dev 0.9514
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 2.116e+04 / 41
p0 2992 ± 3.332
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 49.07 / 41
p0 36.25 ± 363.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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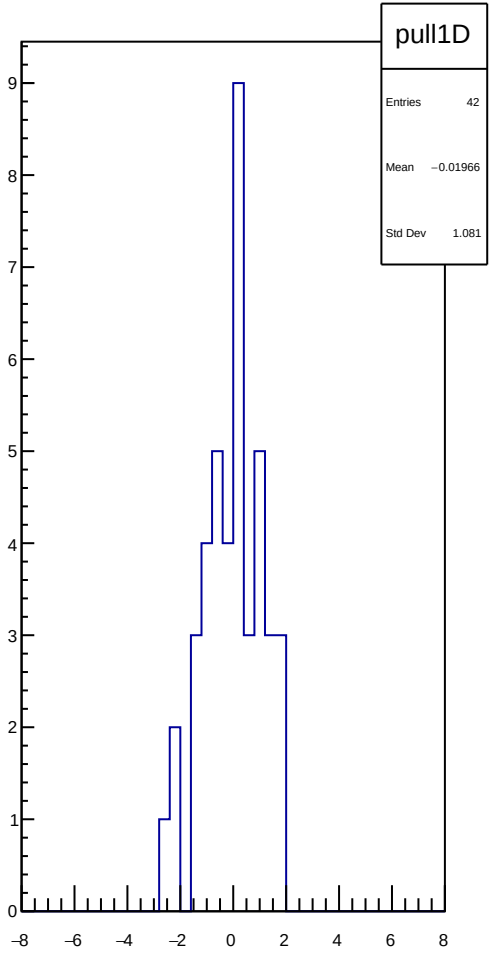
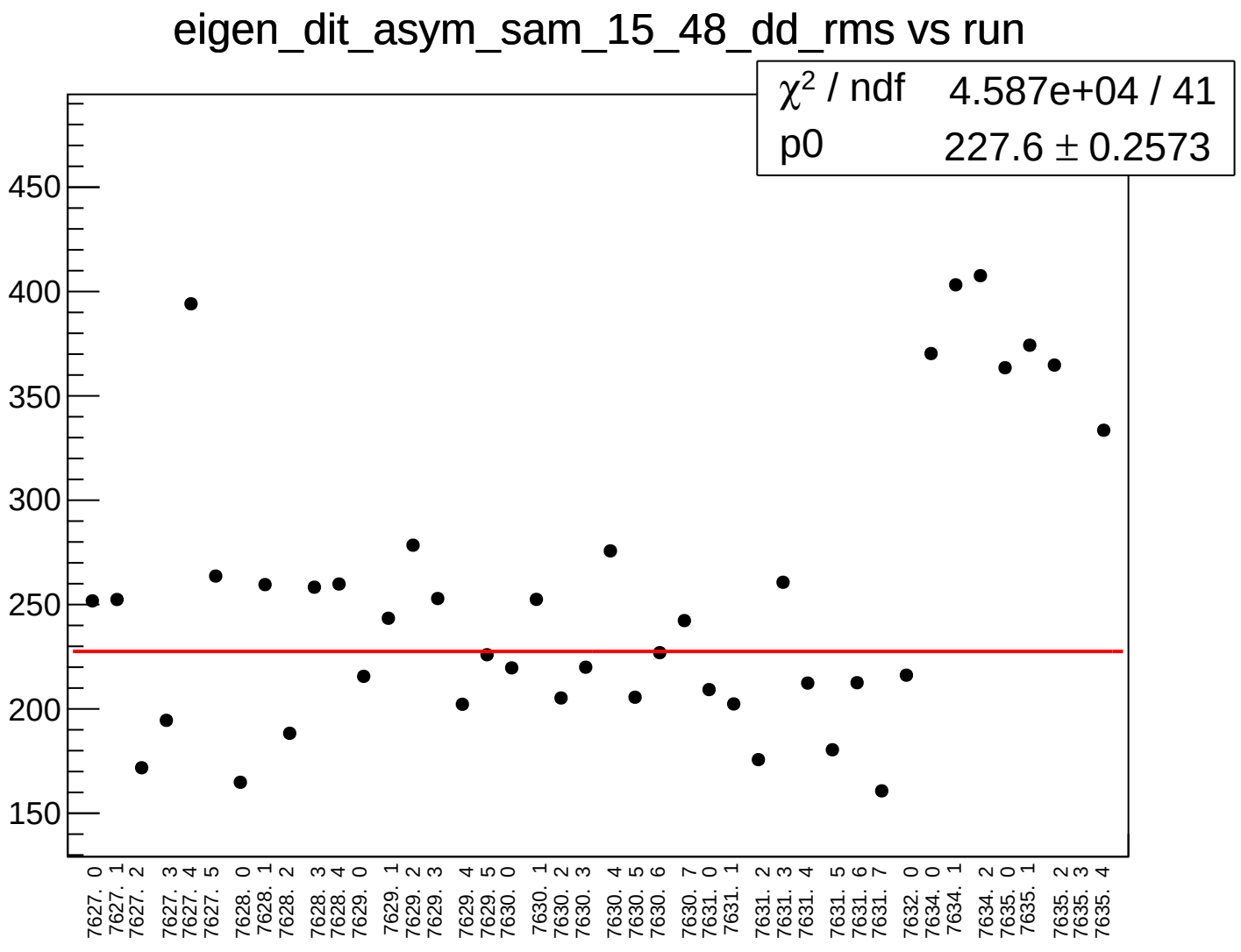
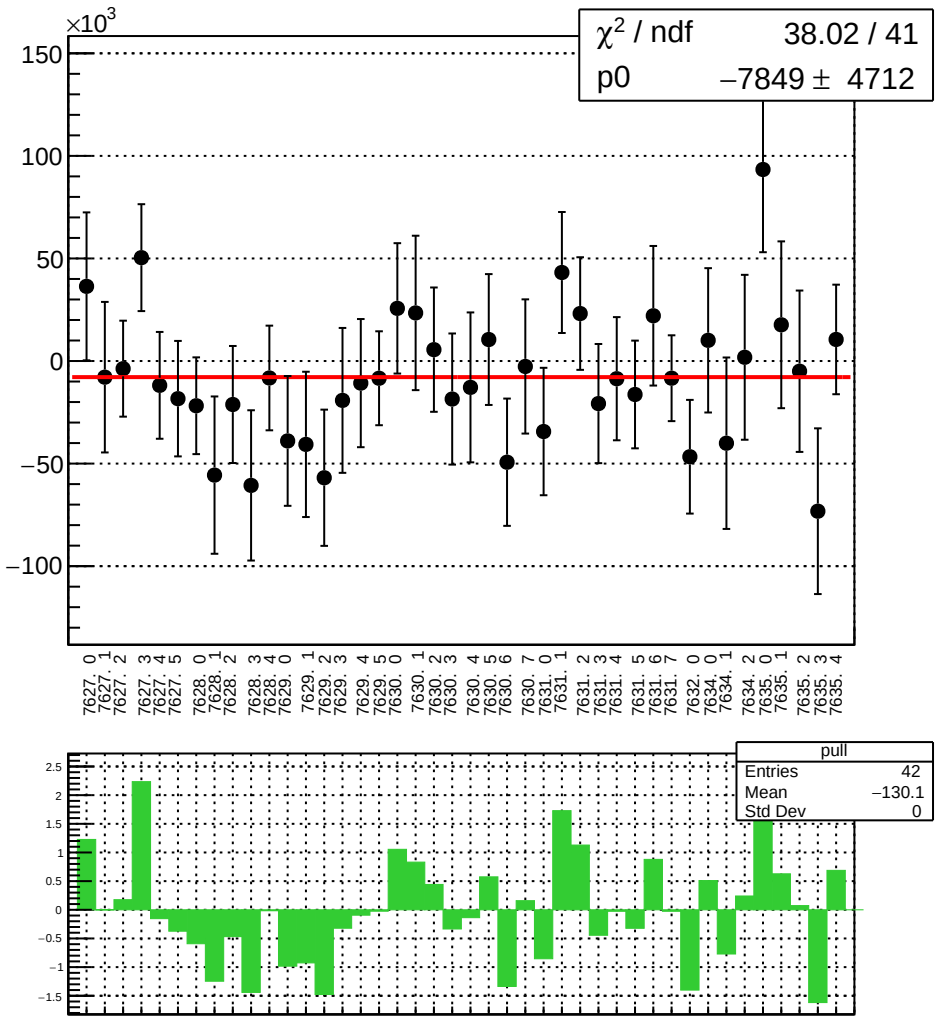
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −7.023
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean −0.01966
Std Dev 1.081
9
8
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 4.587e+04 / 41
p0 227.6 ± 0.2573
450
400
350
300
250
200
150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_48_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 38.02 / 41
p0 −7849 ± 4712
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 5
7630. 0
7630. 1
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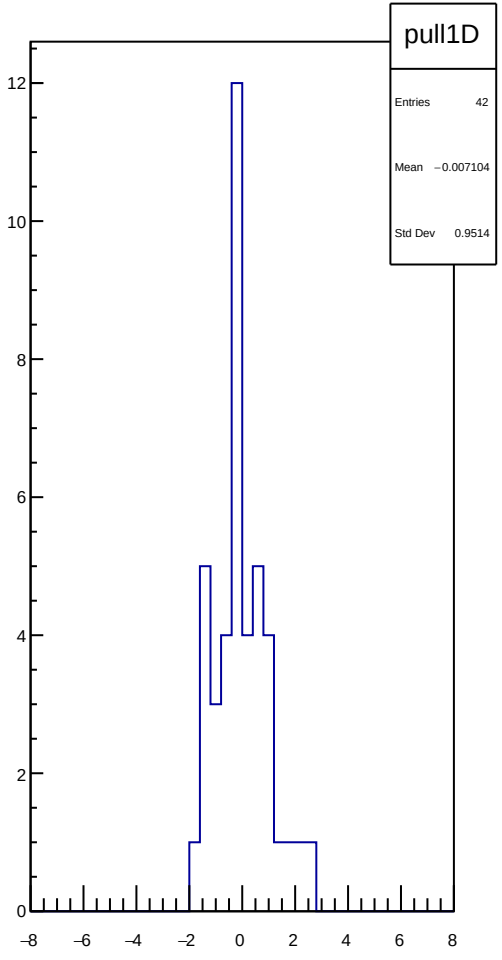
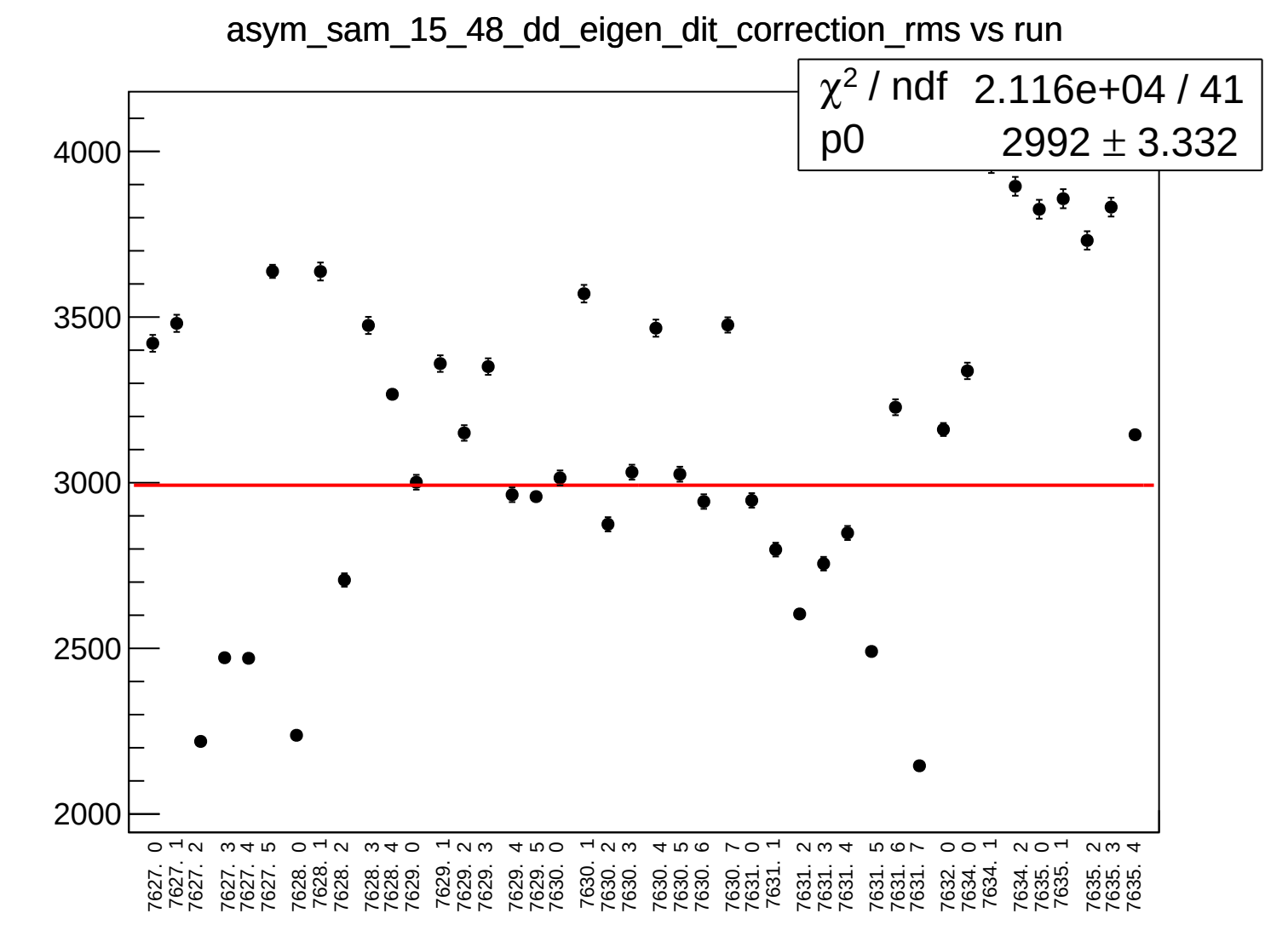
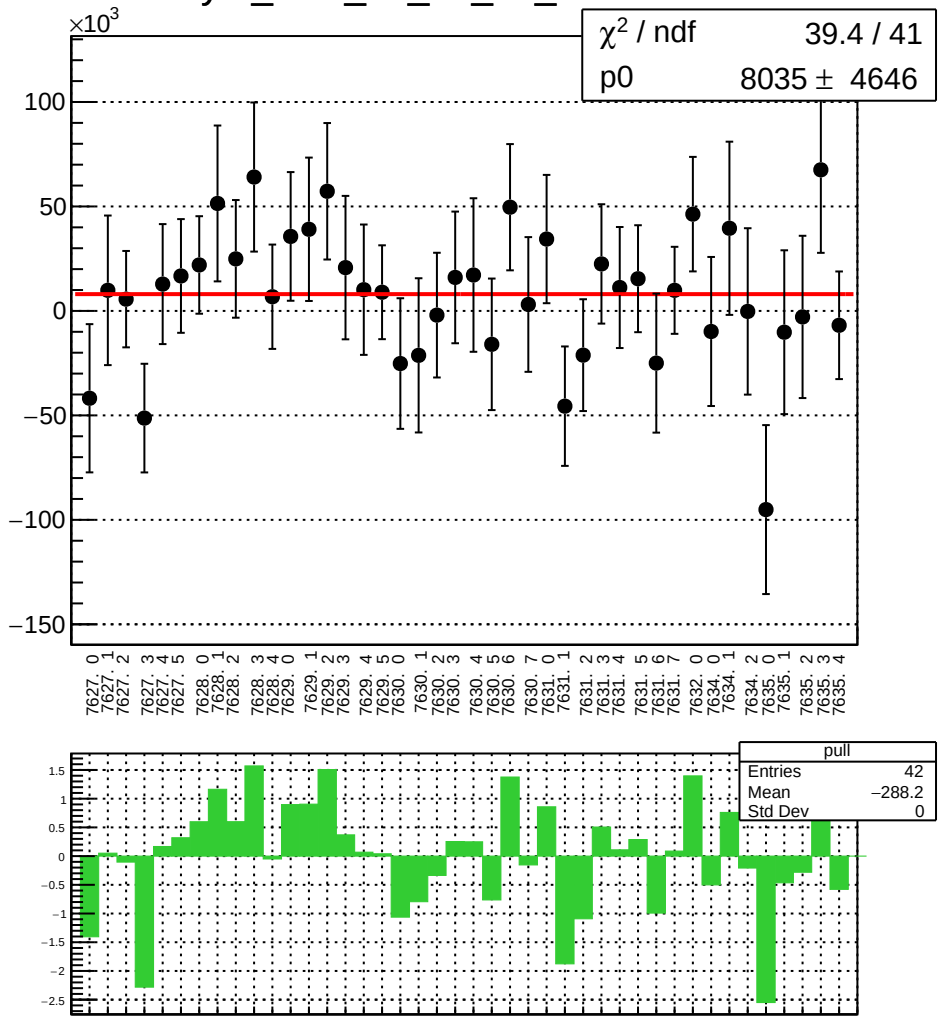
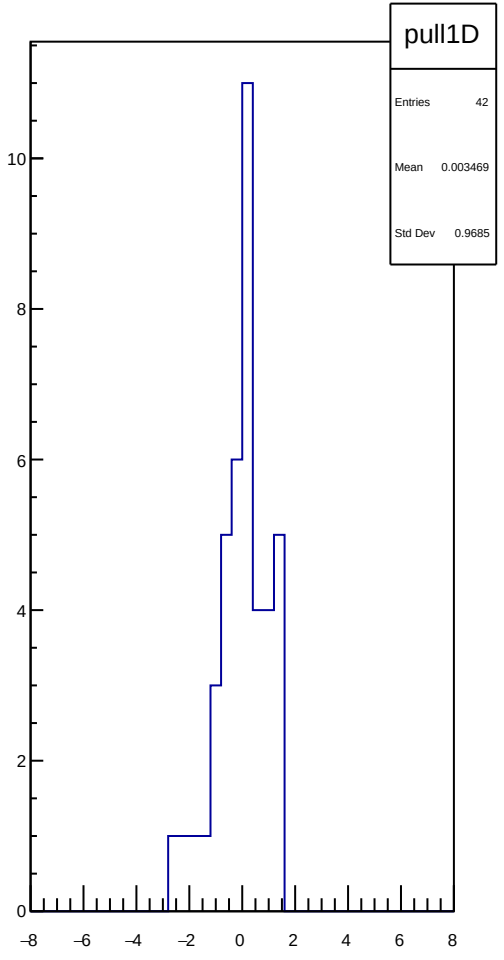
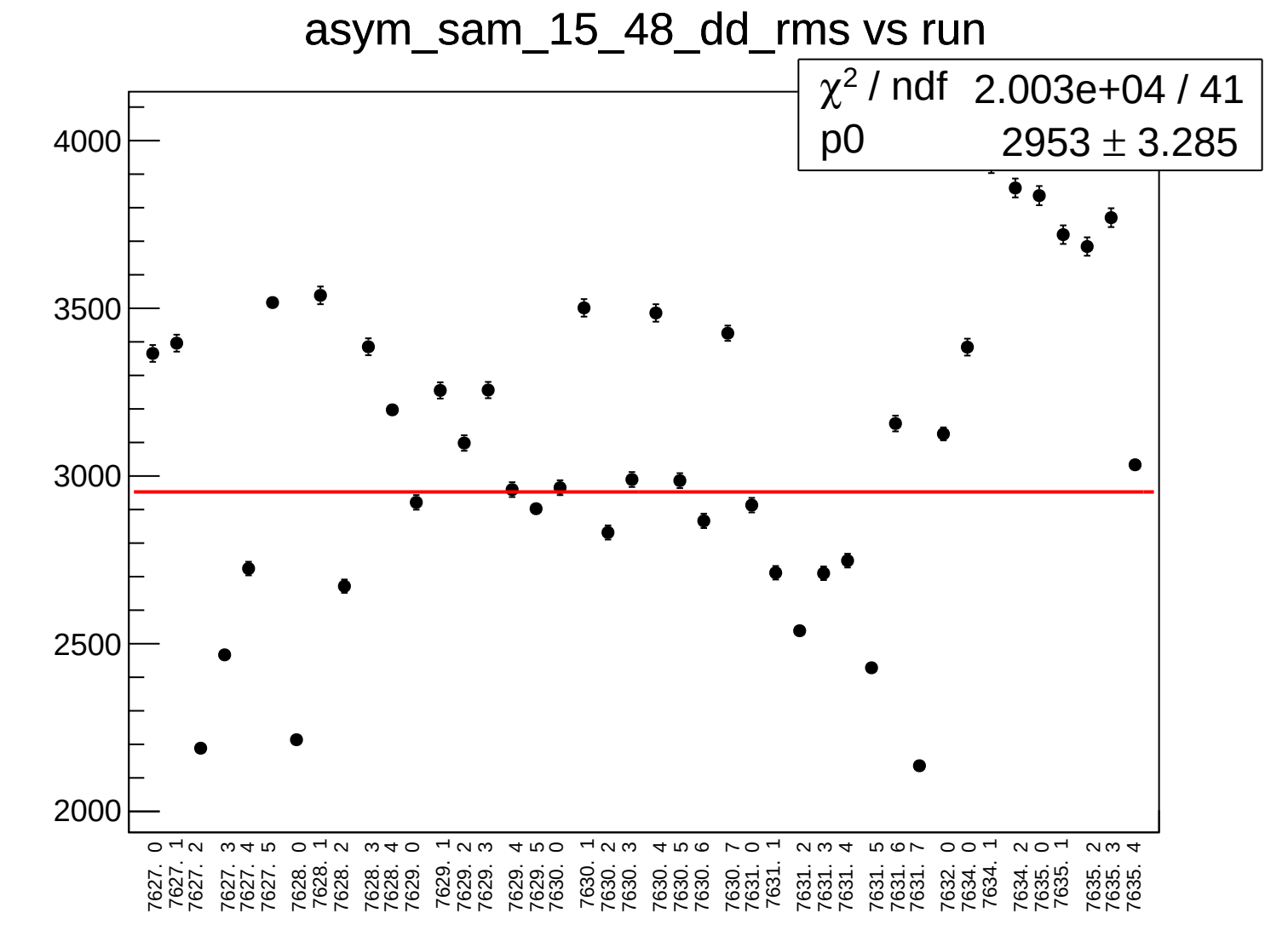
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −130.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

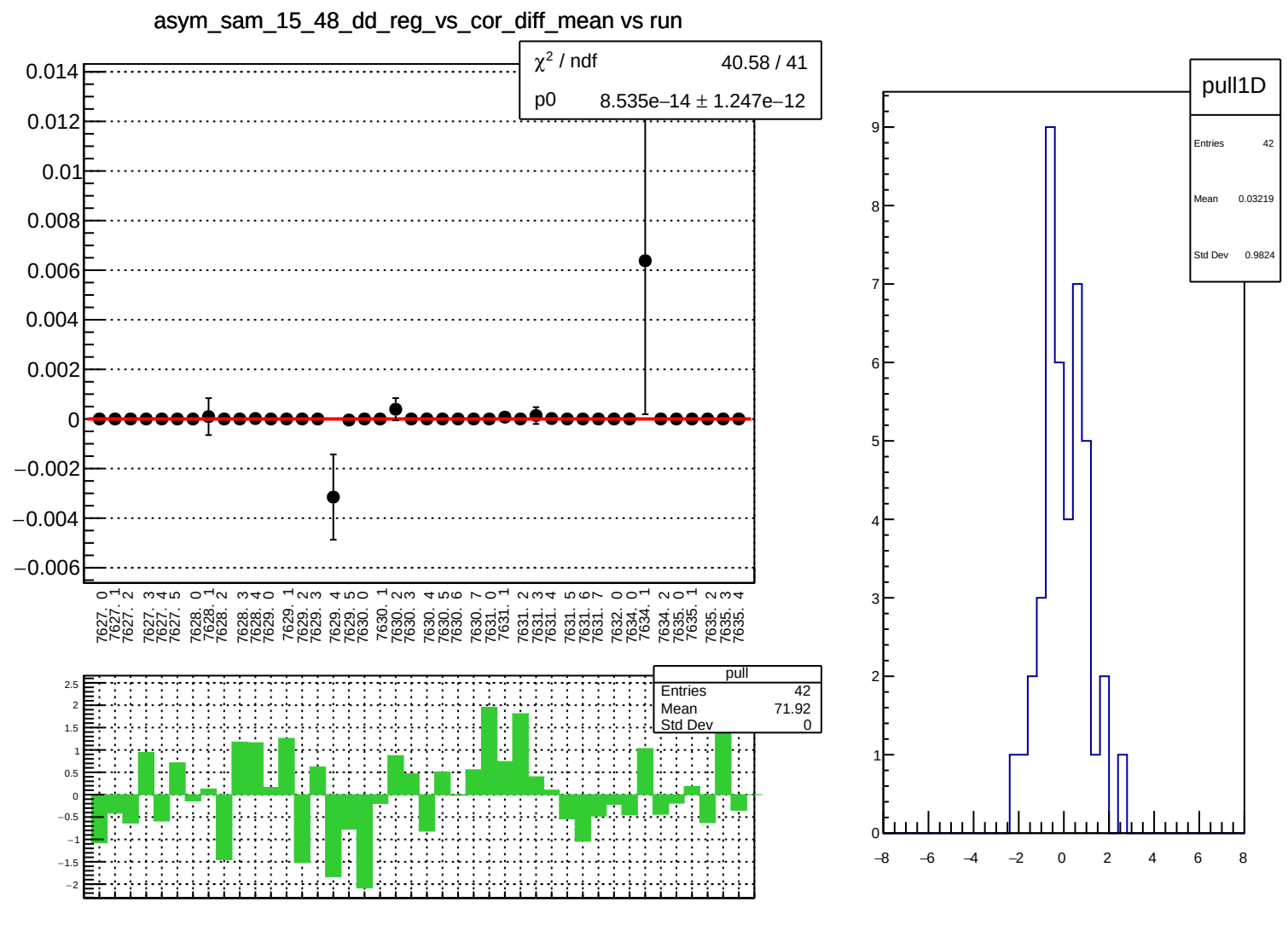

pull1D
Entries 42
Mean −0.007104
Std Dev 0.9514
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

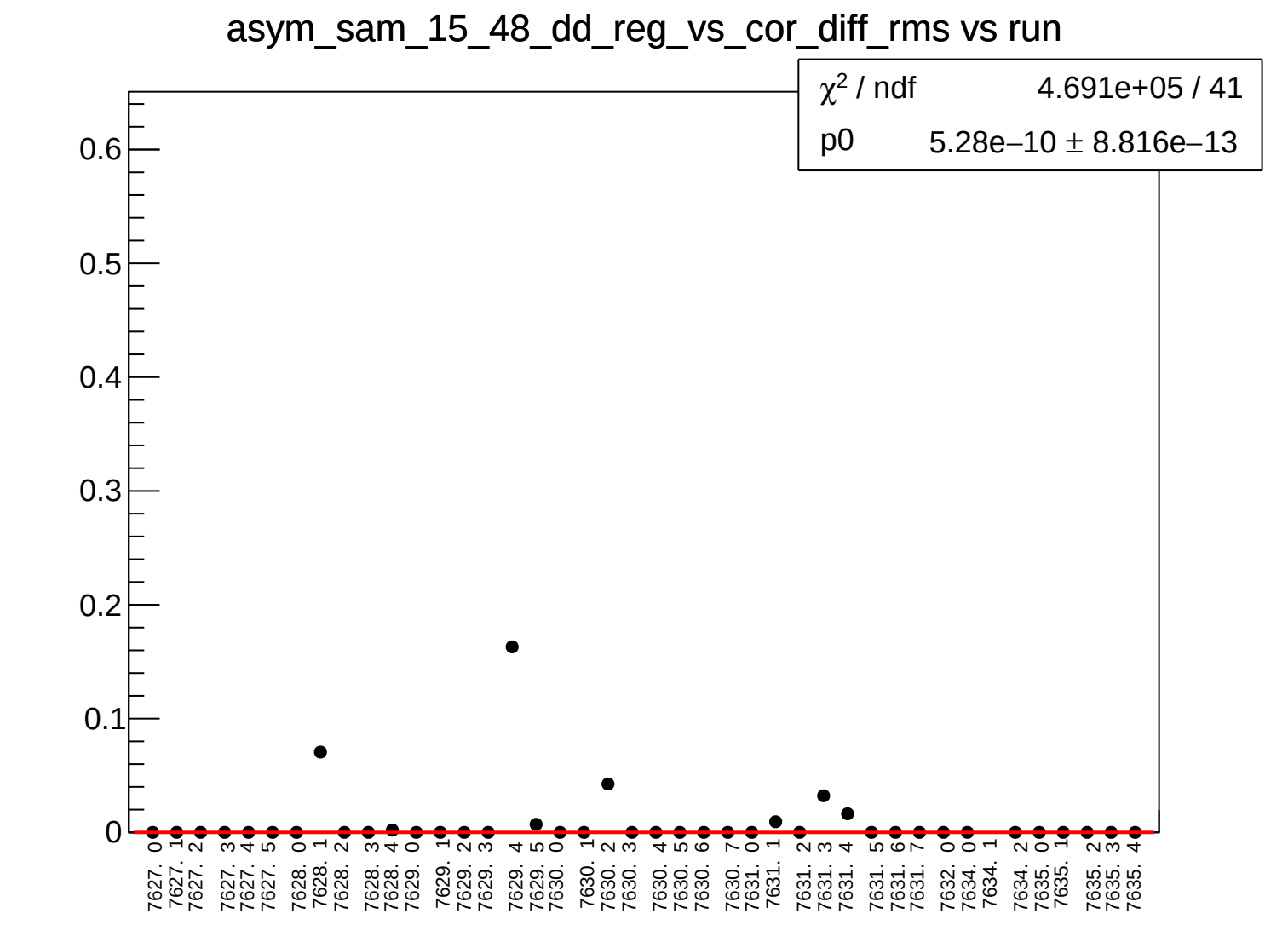

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.116e+04 / 41
p0 2992 ± 3.332
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_48_dd_mean vs run
×10^3
χ² / ndf 39.4 / 41
p0 8035 ± 4646
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −288.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

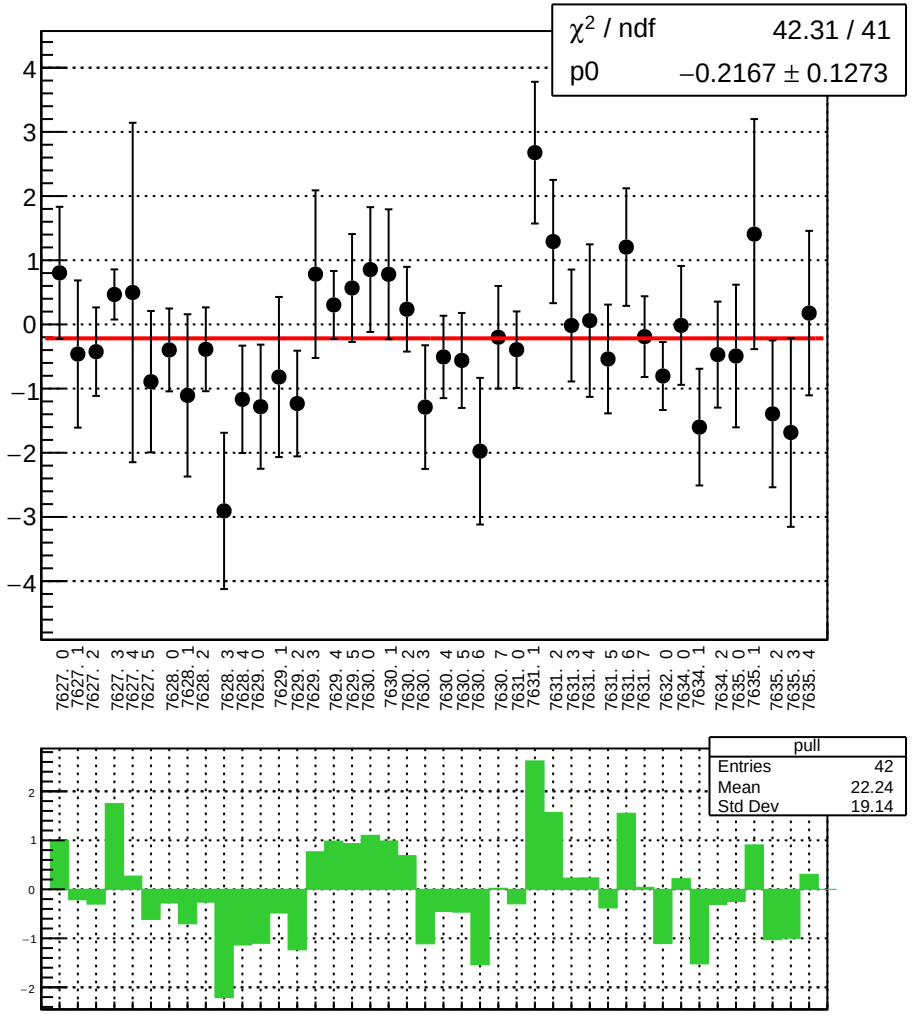

pull1D
Entries 42
Mean 0.003469
Std Dev 0.9685
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

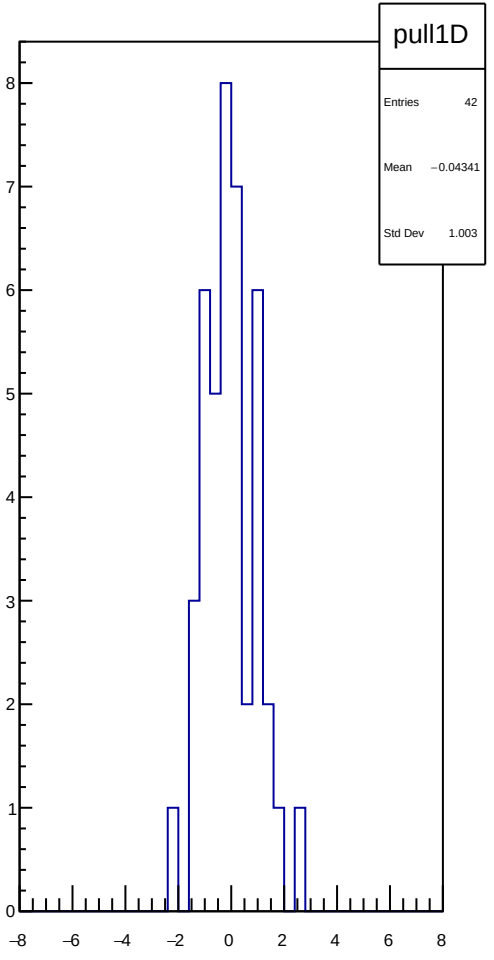

asym_sam_15_48_dd_rms vs run
χ² / ndf 2.003e+04 / 41
p0 2953 ± 3.285
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

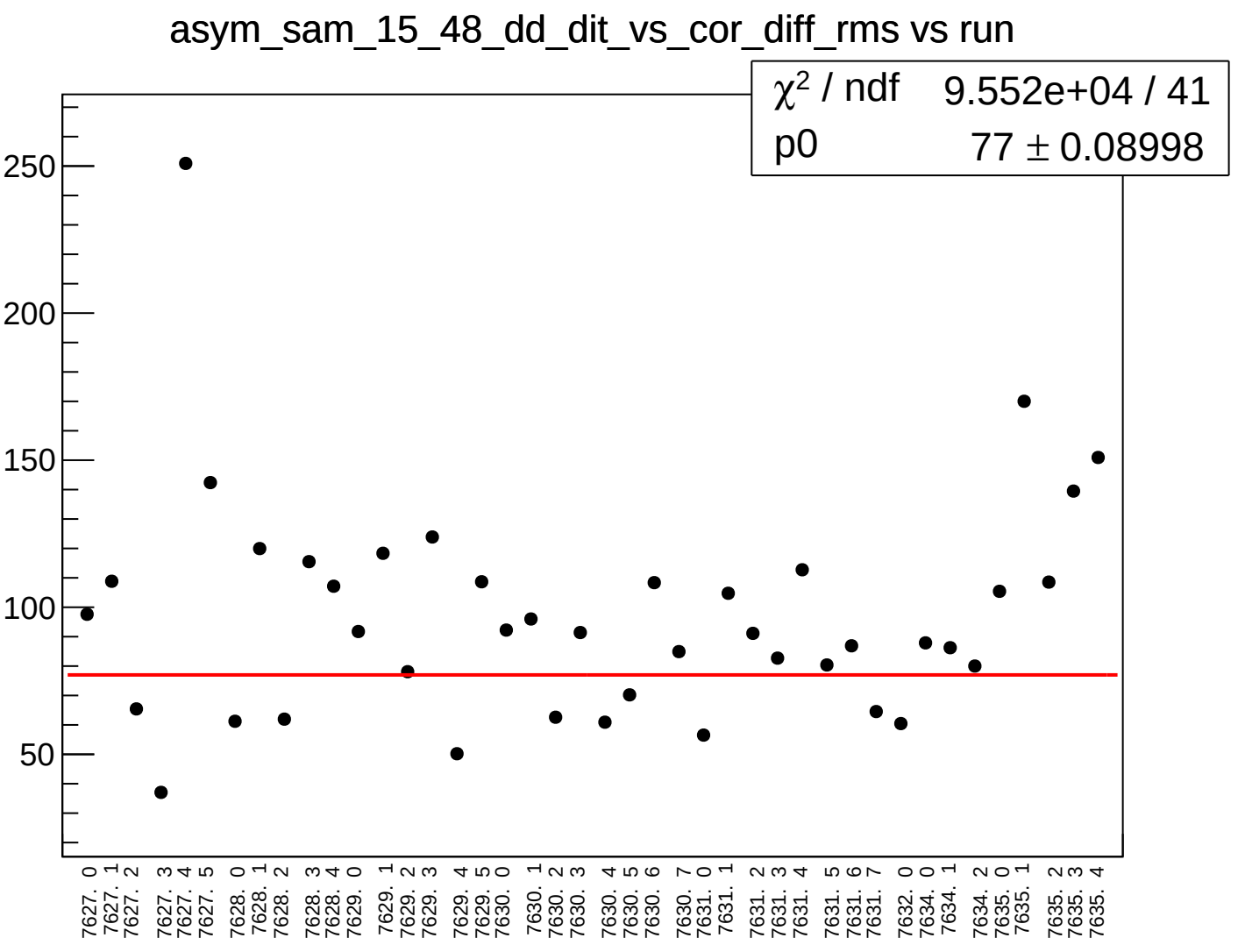

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.58 / 41
p0 8.535e−14 ± 1.247e−12
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 71.92
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.03219
Std Dev 0.9824
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

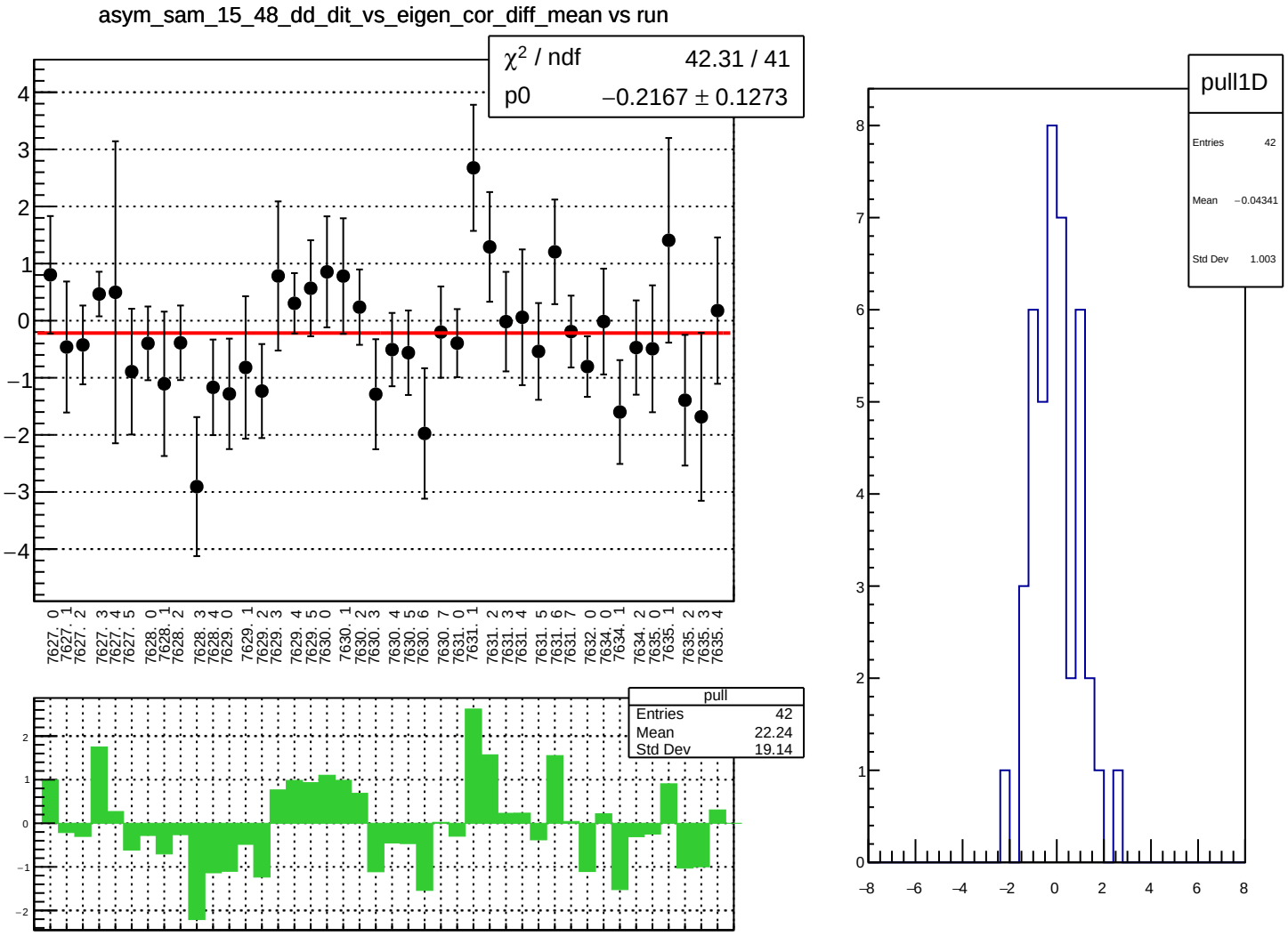

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.691e+05 / 41
p0 5.28e−10 ± 8.816e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

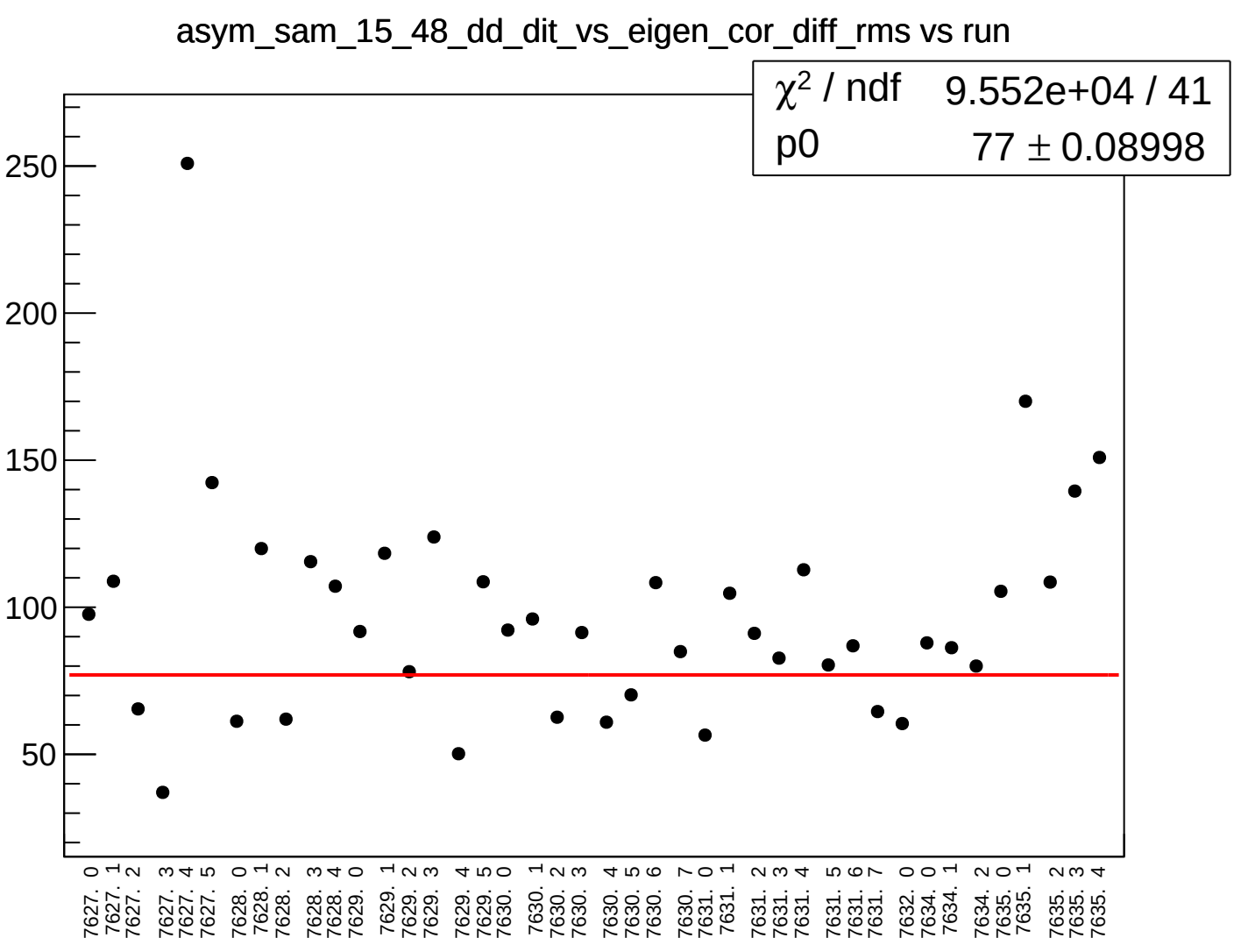
asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run

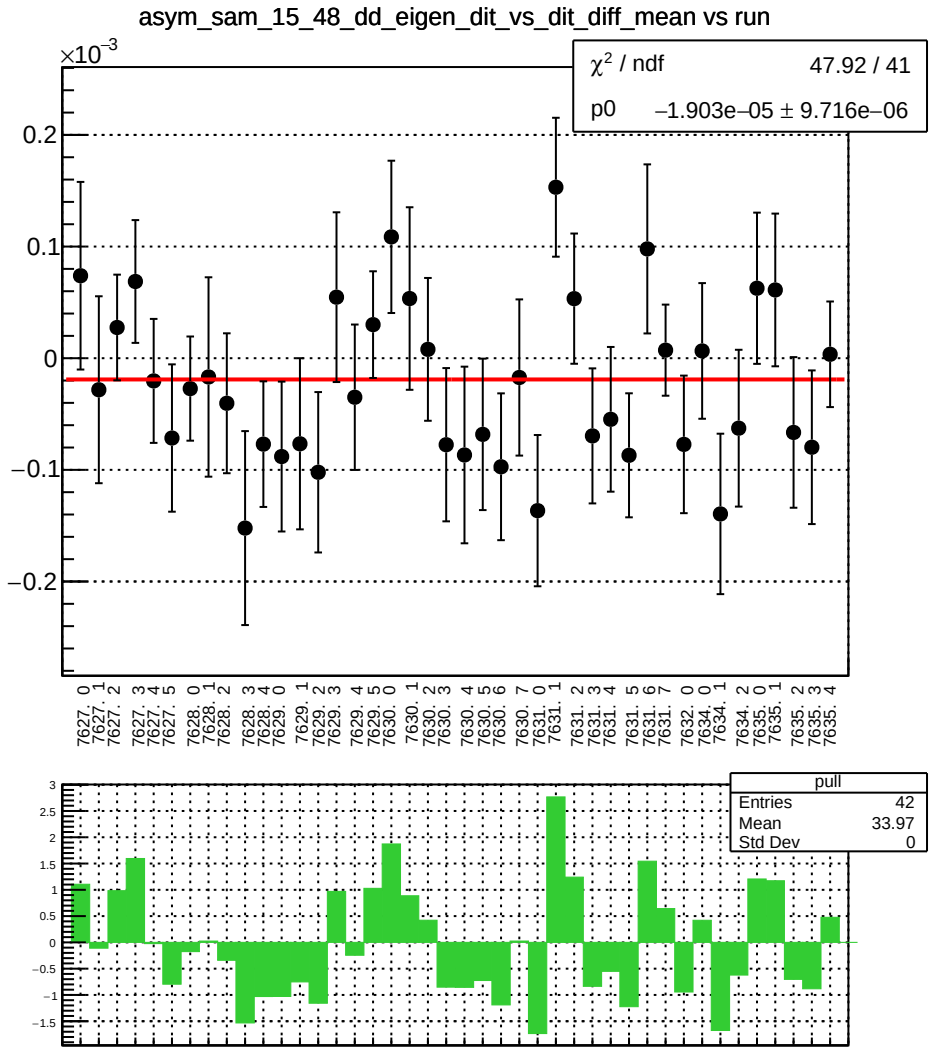


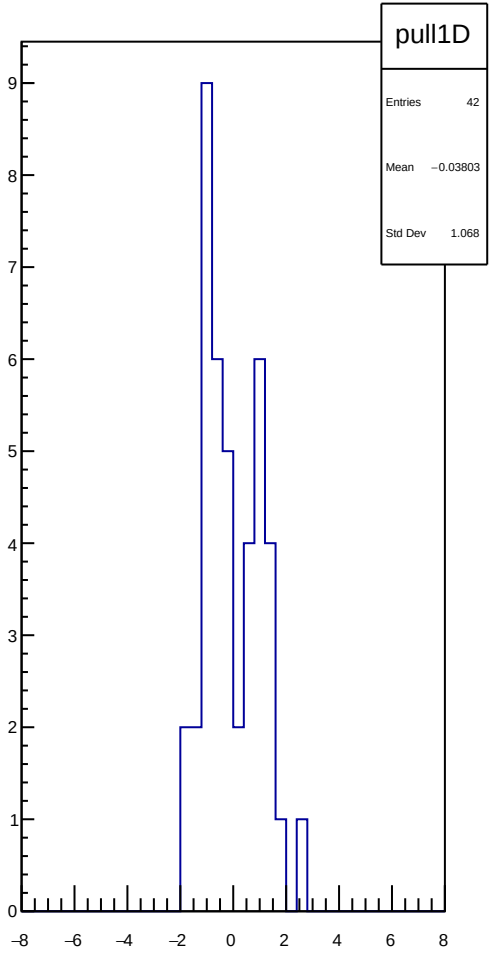


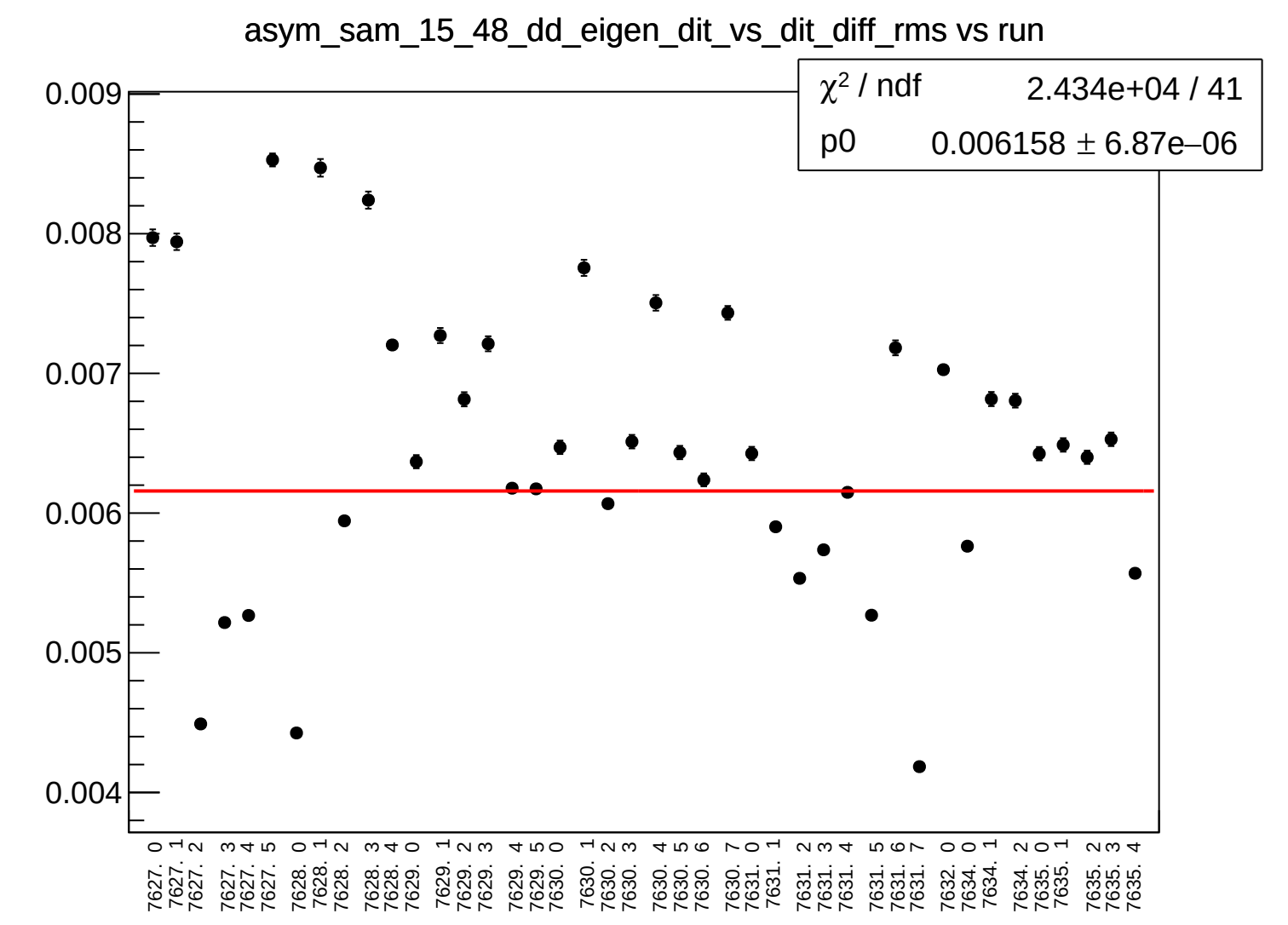

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.552e+04 / 41
p0 77 ± 0.08998
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.31 / 41
p0 −0.2167 ± 0.1273
pull
Entries 42
Mean 22.24
Std Dev 19.14
pull1D
Entries 42
Mean −0.04341
Std Dev 1.003

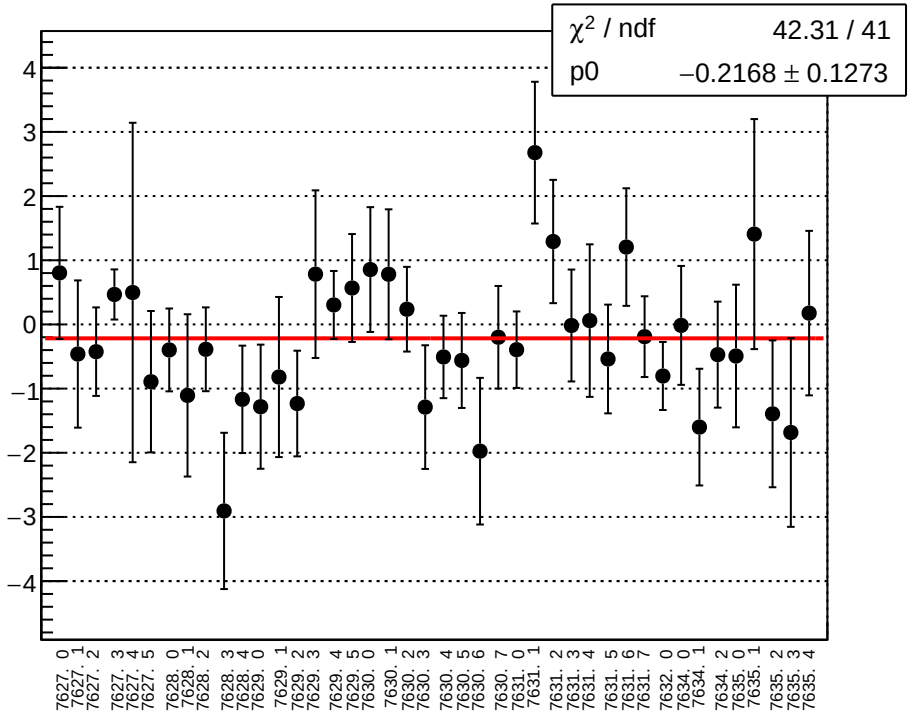

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.552e+04 / 41
p0 77 ± 0.08998
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

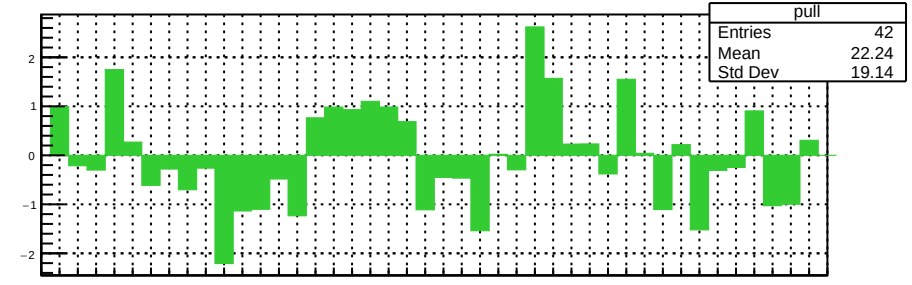

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.92 / 41
p0 −1.903e−05 ± 9.716e−06
0.2
0.1
0
−0.1
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.97
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

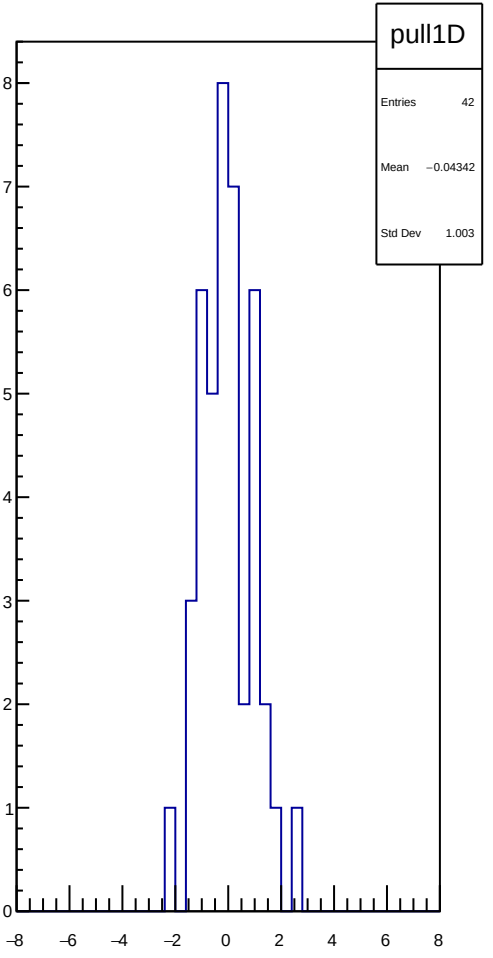

pull1D
Entries 42
Mean −0.03803
Std Dev 1.068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

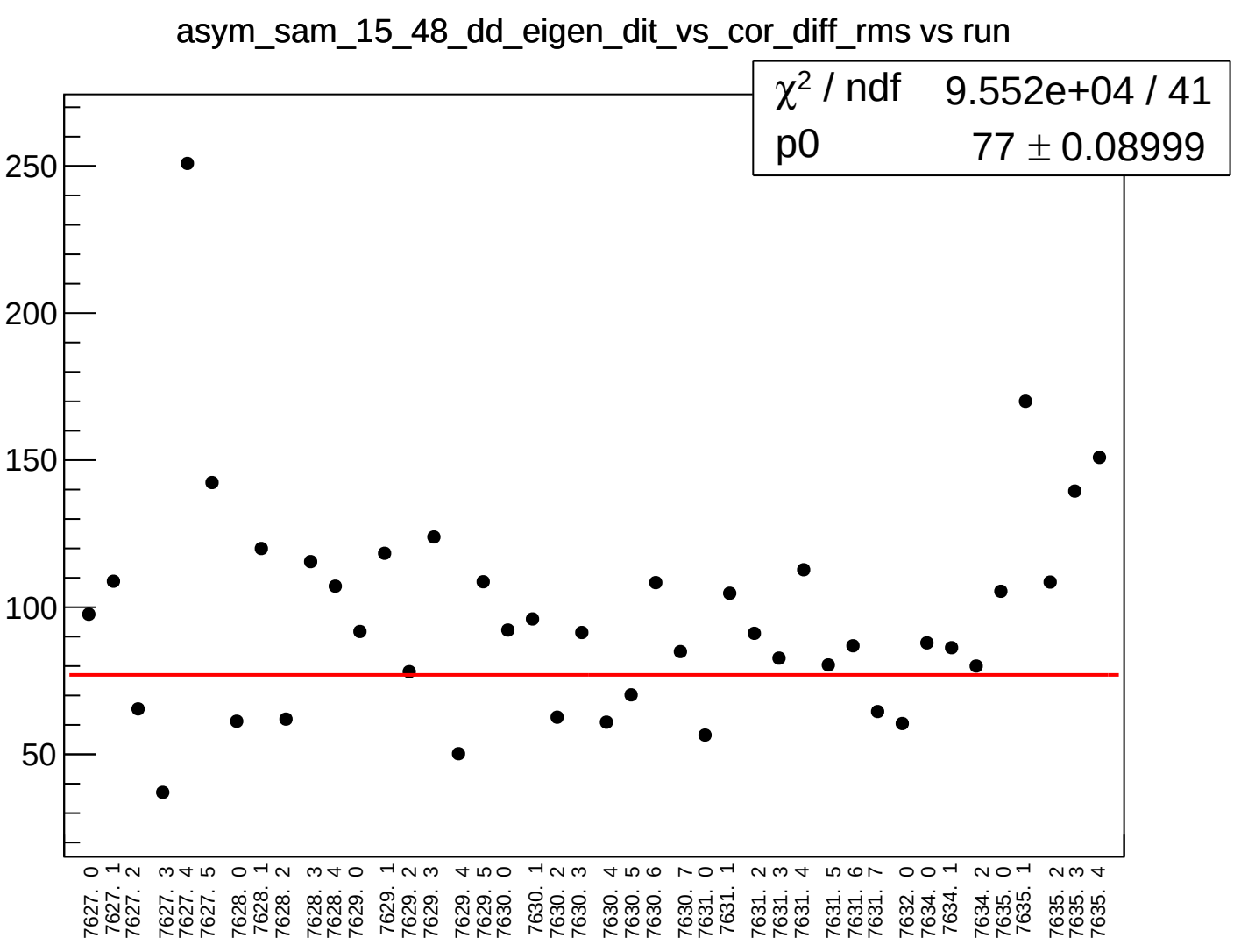

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.434e+04 / 41
p0 0.006158 ± 6.87e–06
0.009
0.008
0.007
0.006
0.005
0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

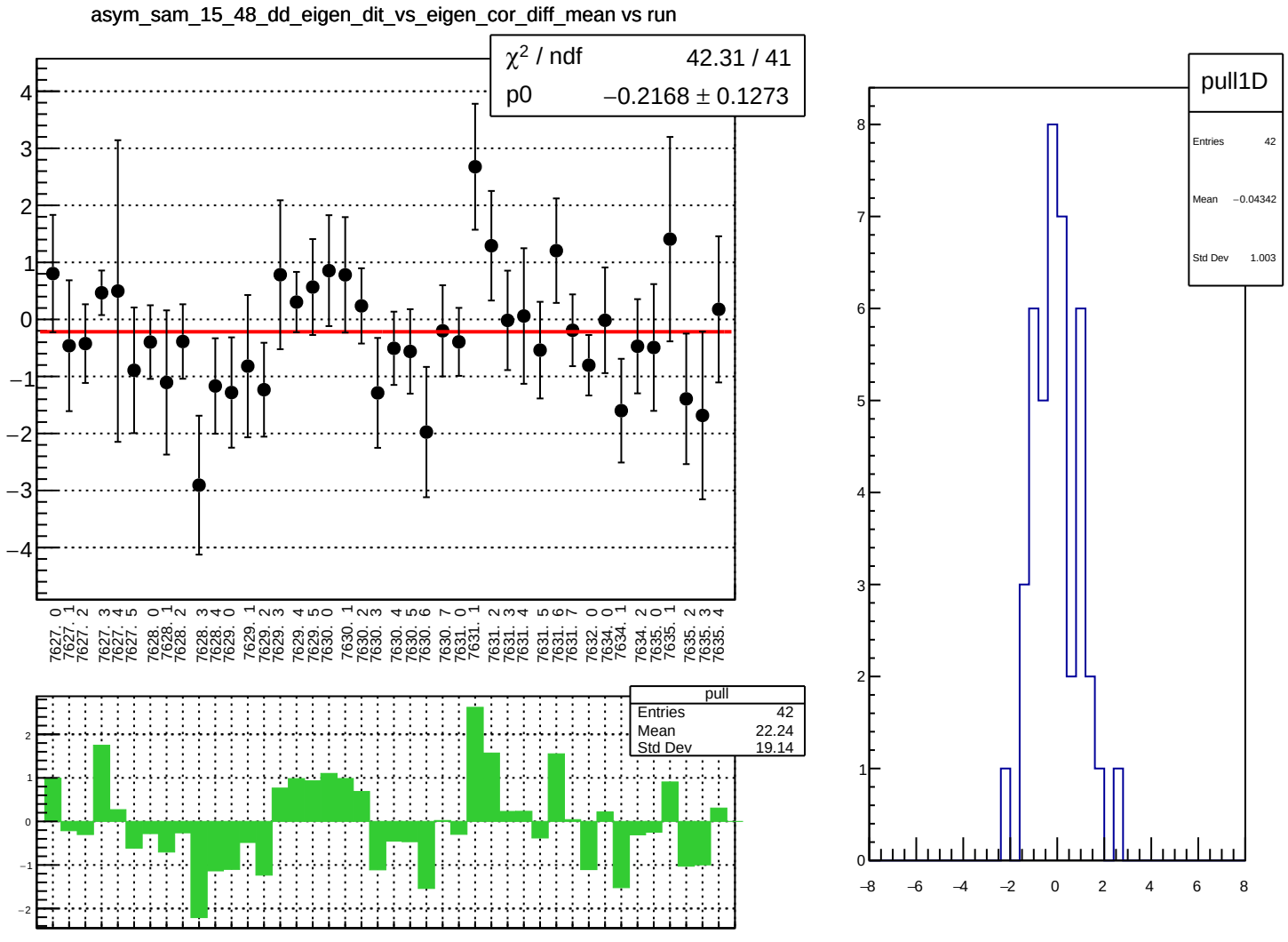
asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run

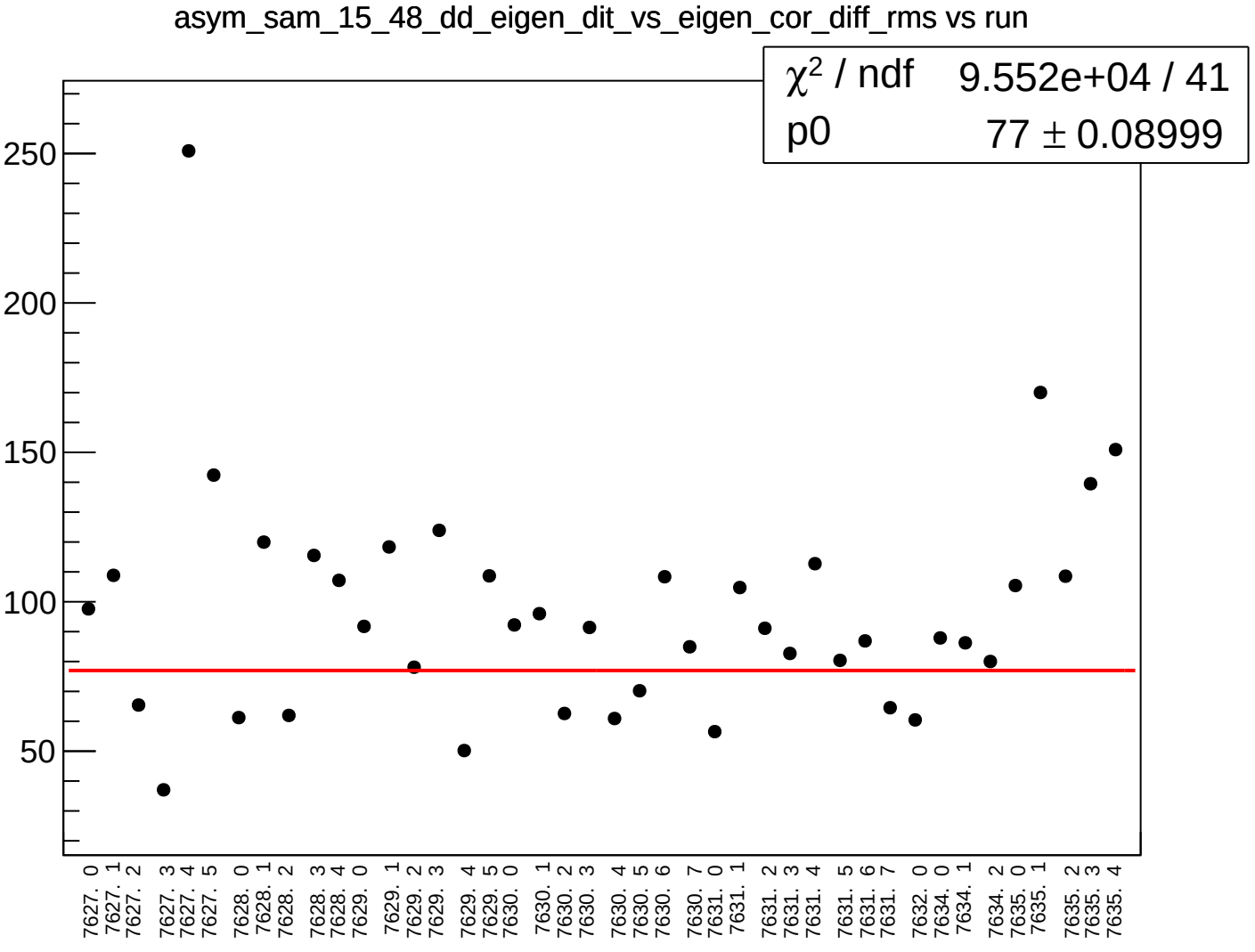


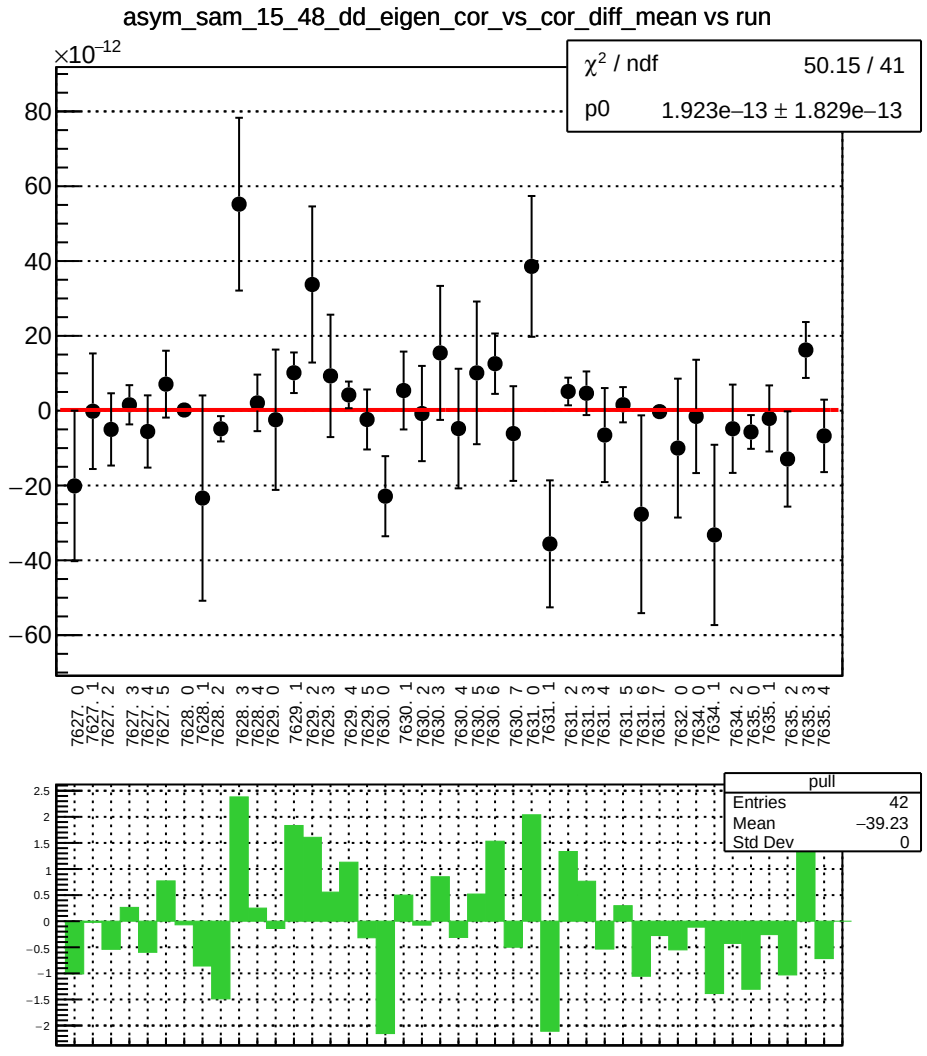


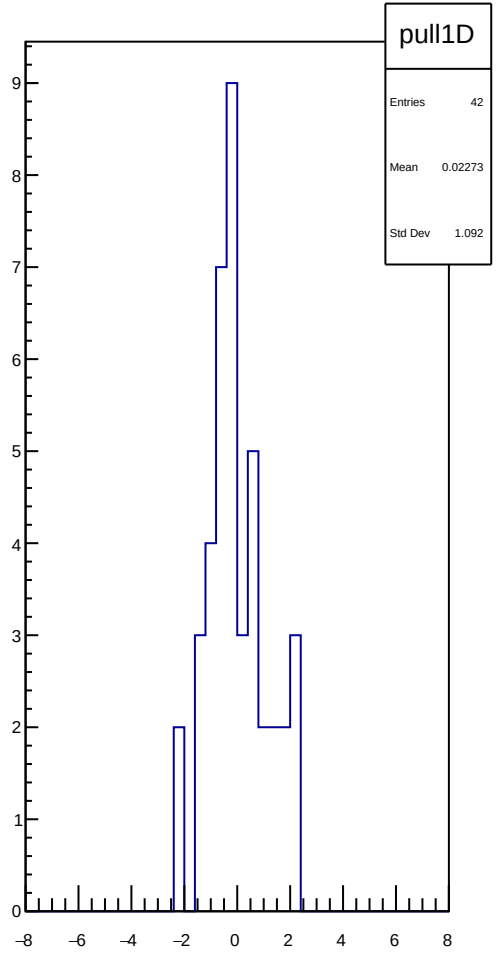


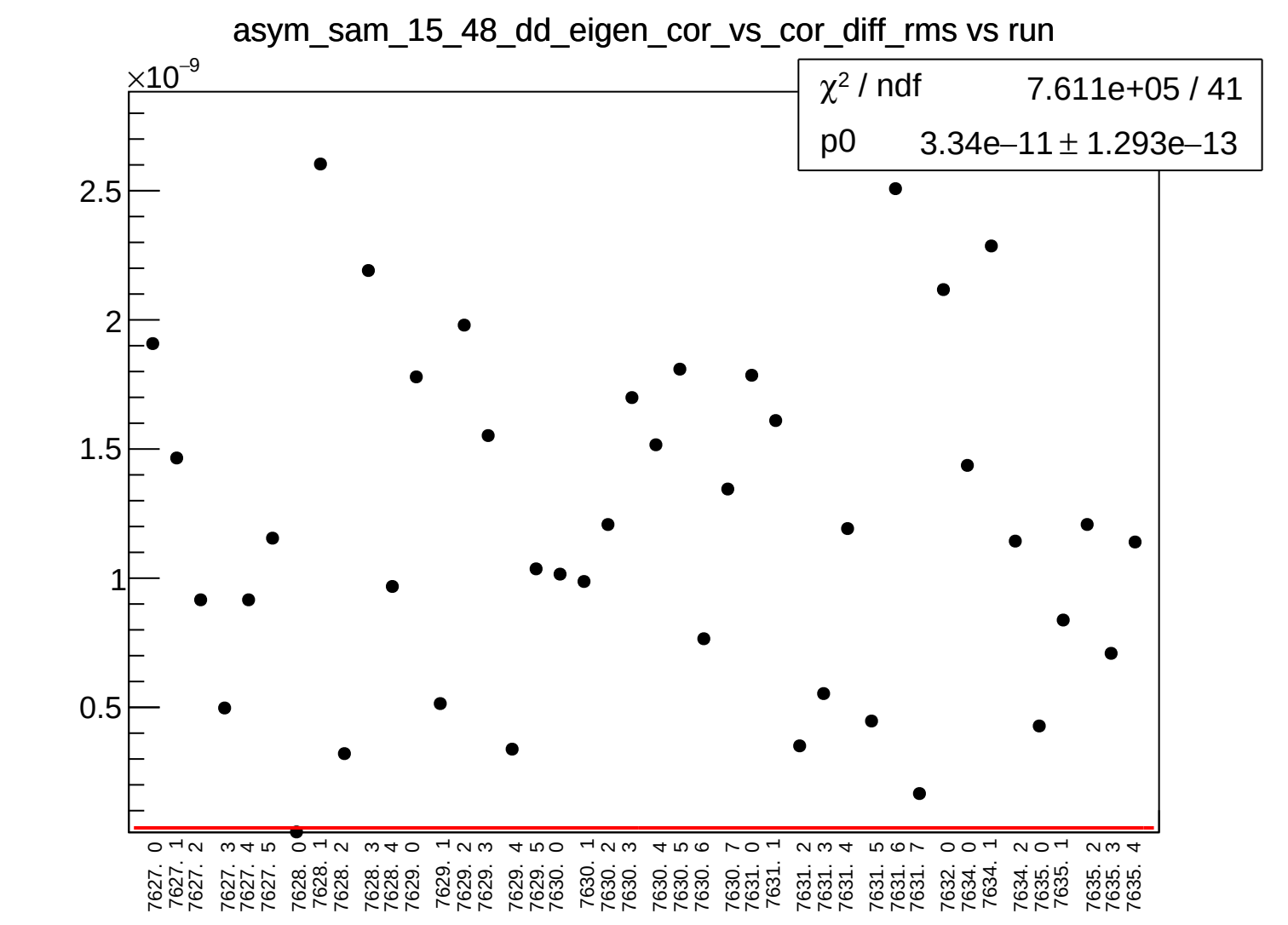

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.552e+04 / 41
p0 77 ± 0.08999
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

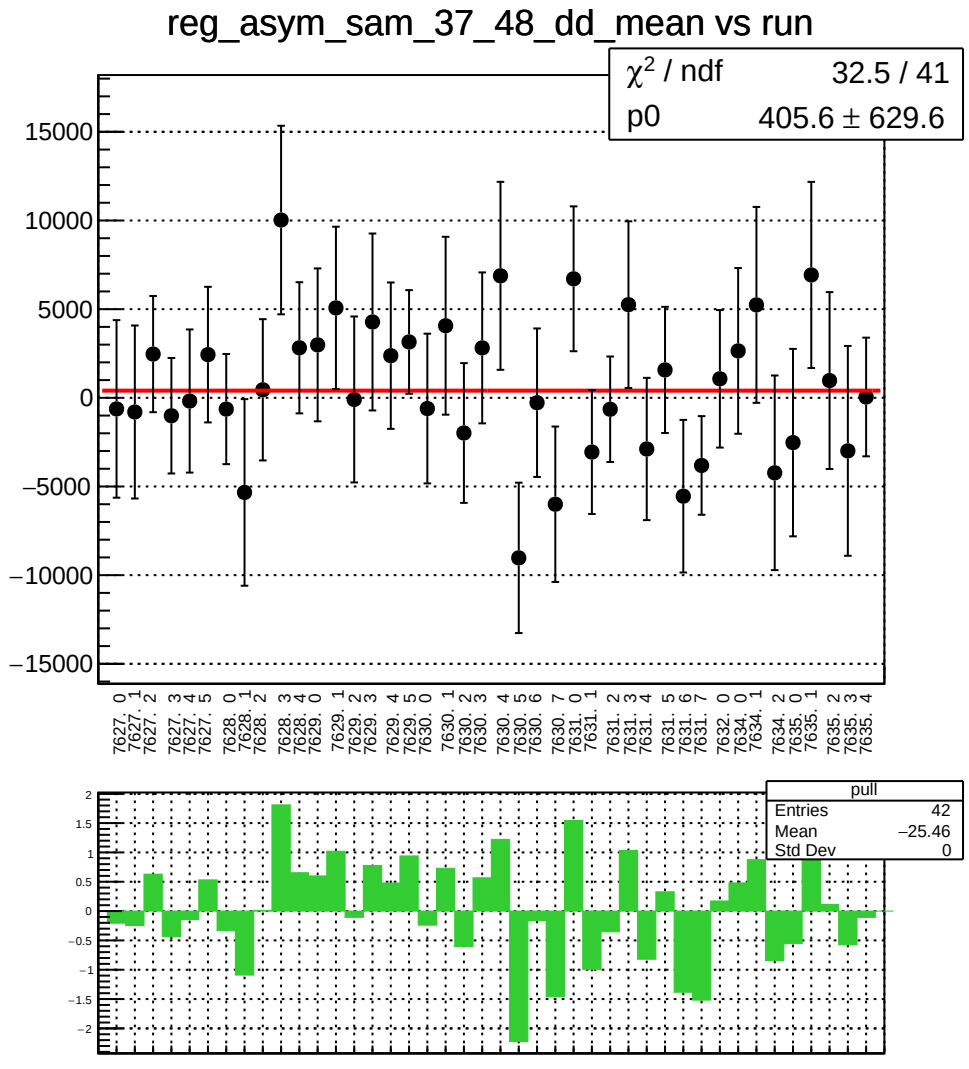

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.31 / 41
p0 −0.2168 ± 0.1273
pull
Entries 42
Mean 22.24
Std Dev 19.14
pull1D
Entries 42
Mean −0.04342
Std Dev 1.003

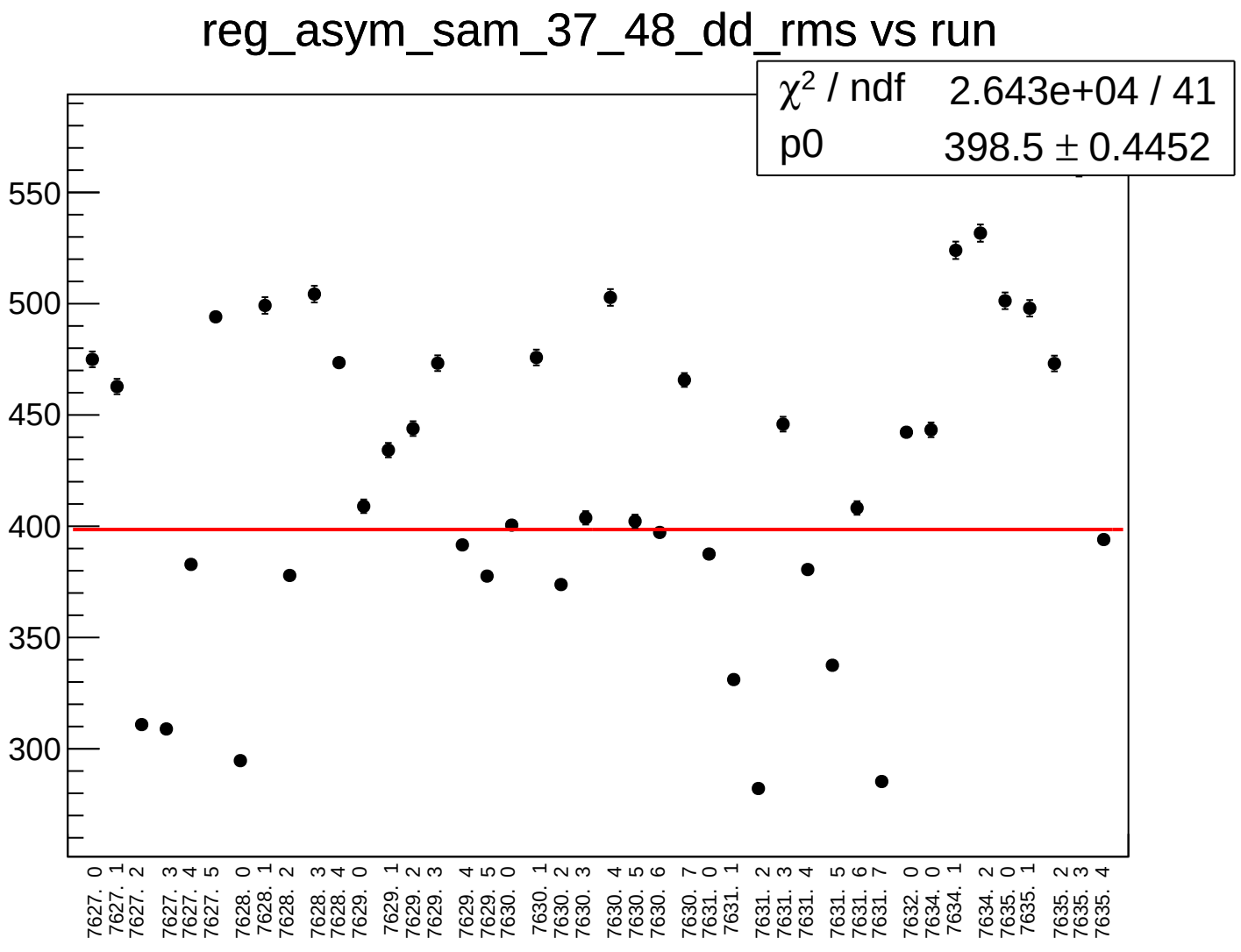

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.552e+04 / 41
p0 77 ± 0.08999
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

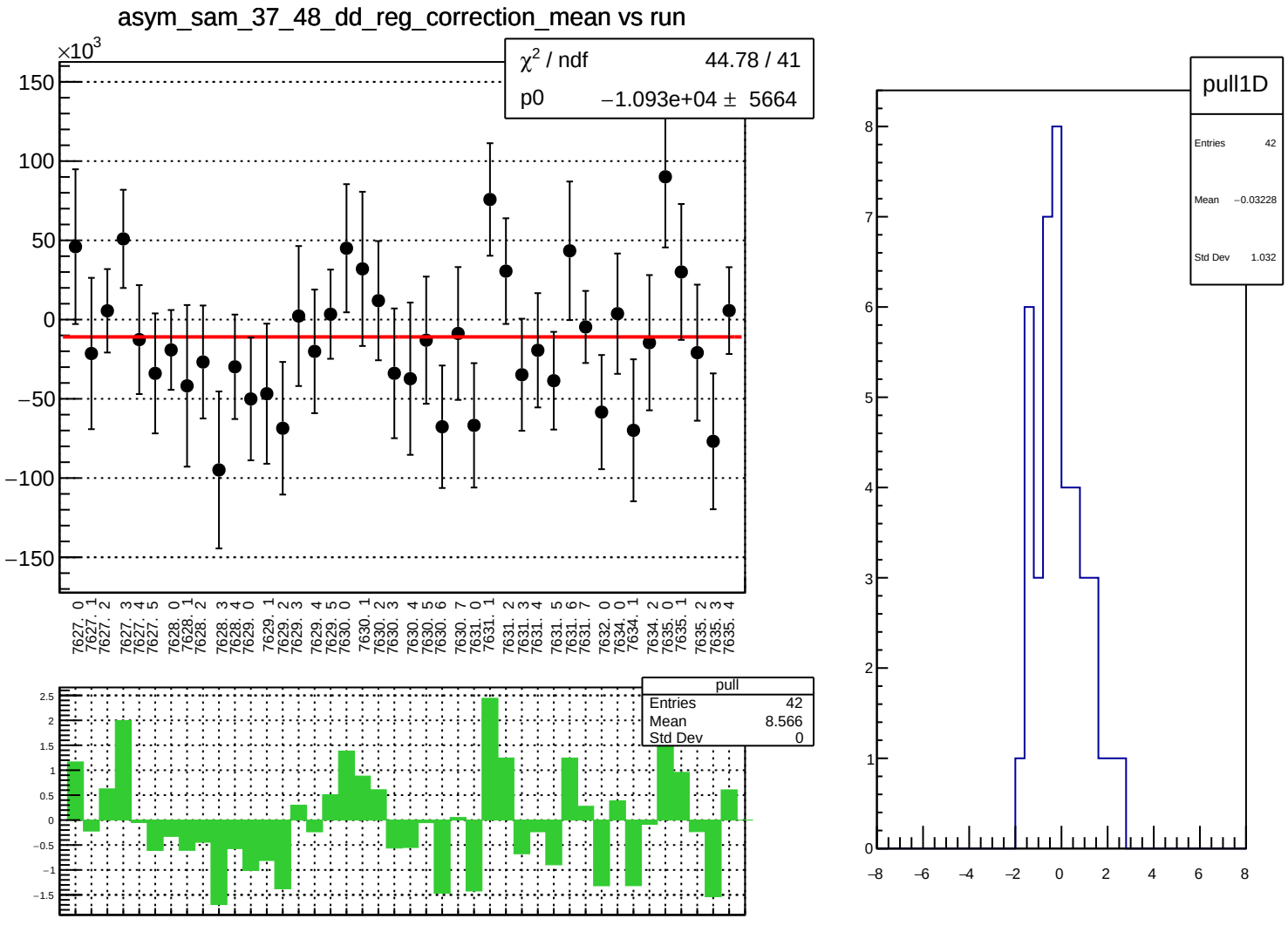

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.15 / 41
p0 1.923e−13 ± 1.829e−13
pull
Entries 42
Mean −39.23
Std Dev 0

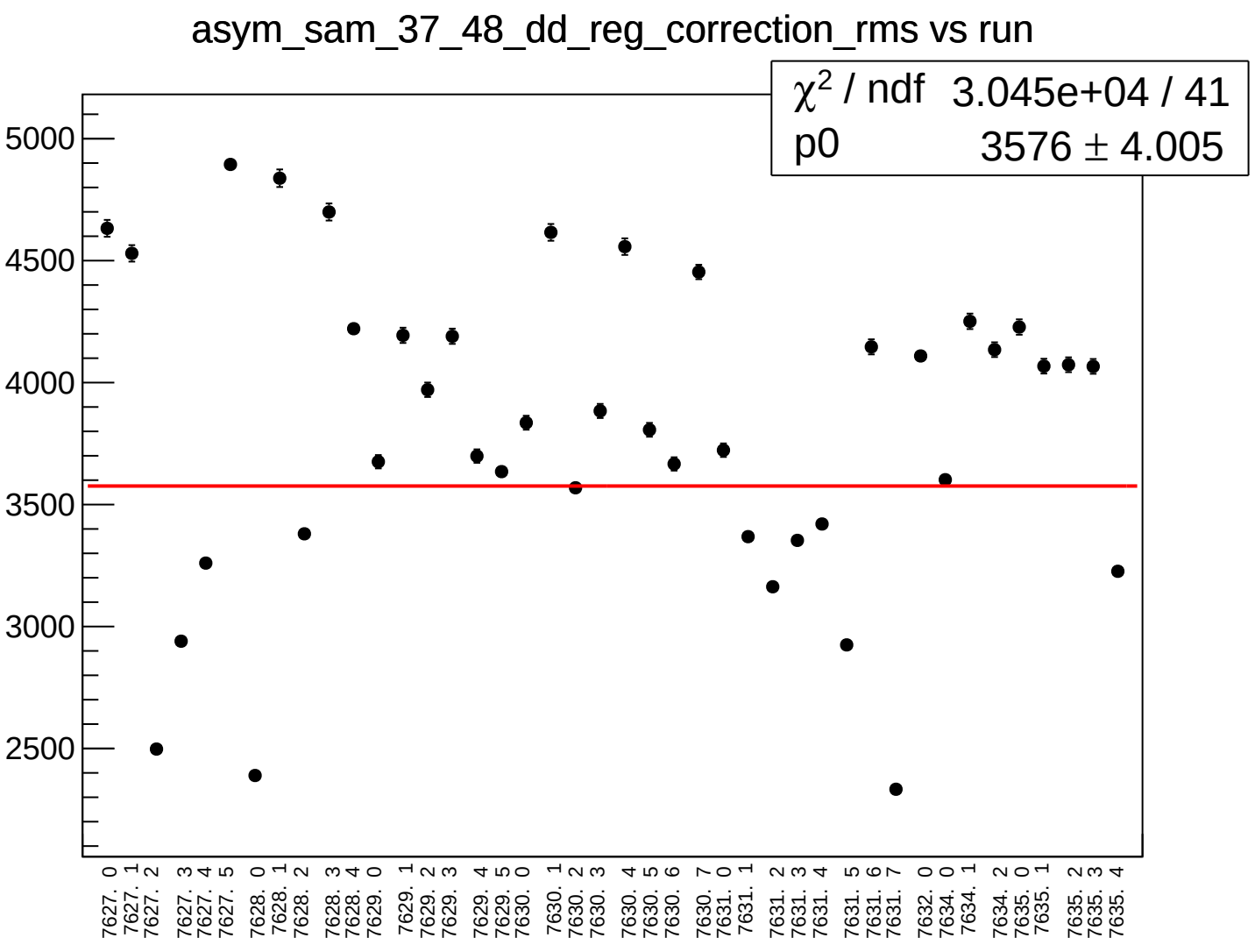

pull1D
Entries 42
Mean 0.02273
Std Dev 1.092

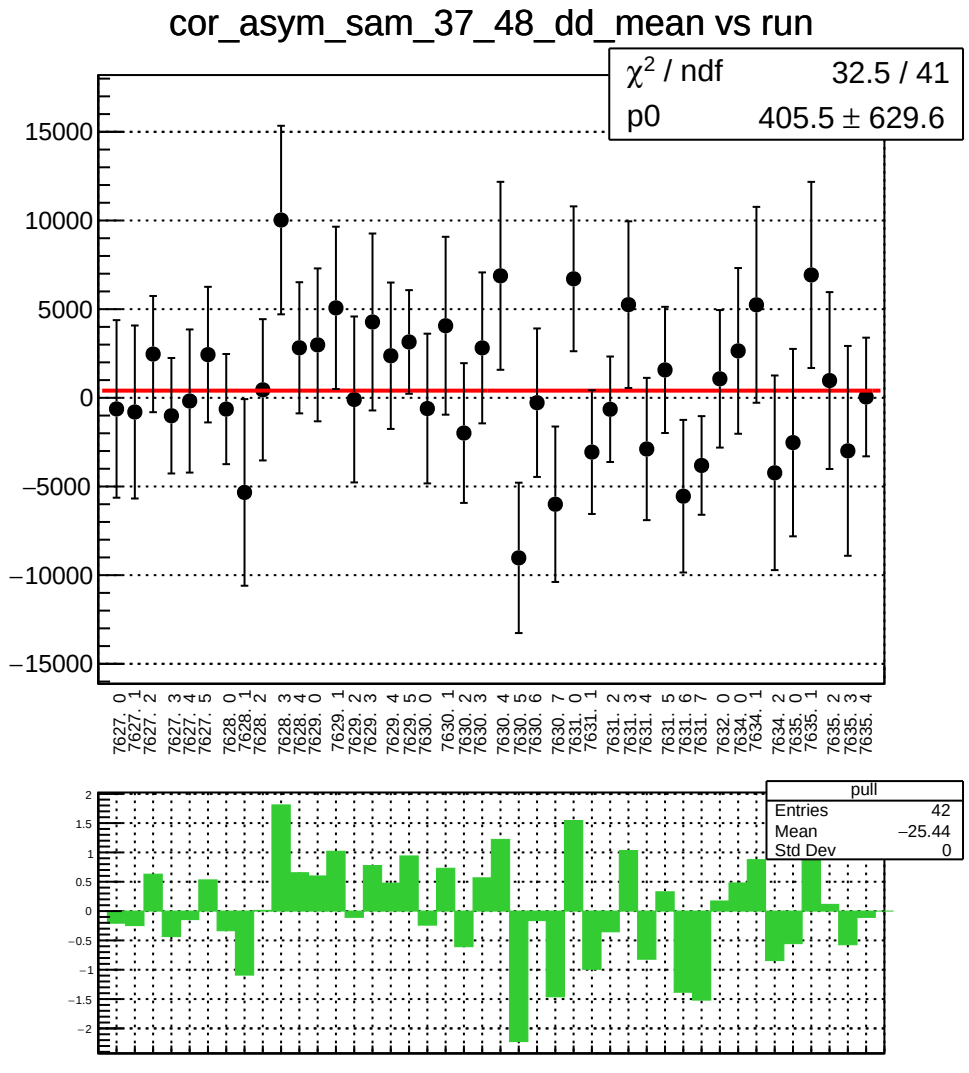

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.611e+05 / 41
p0 3.34e−11 ± 1.293e−13
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

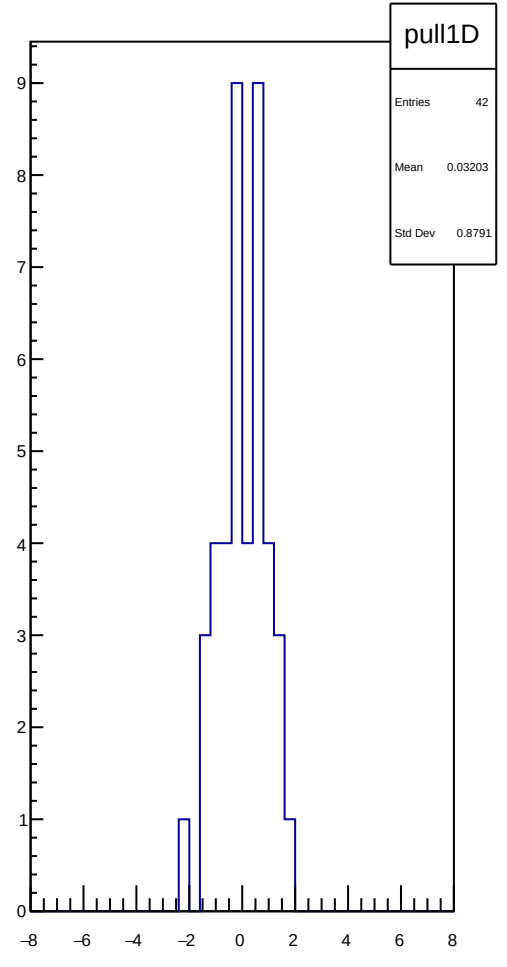

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 32.5 / 41
p0 405.6 ± 629.6
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.03202
Std Dev 0.8791
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

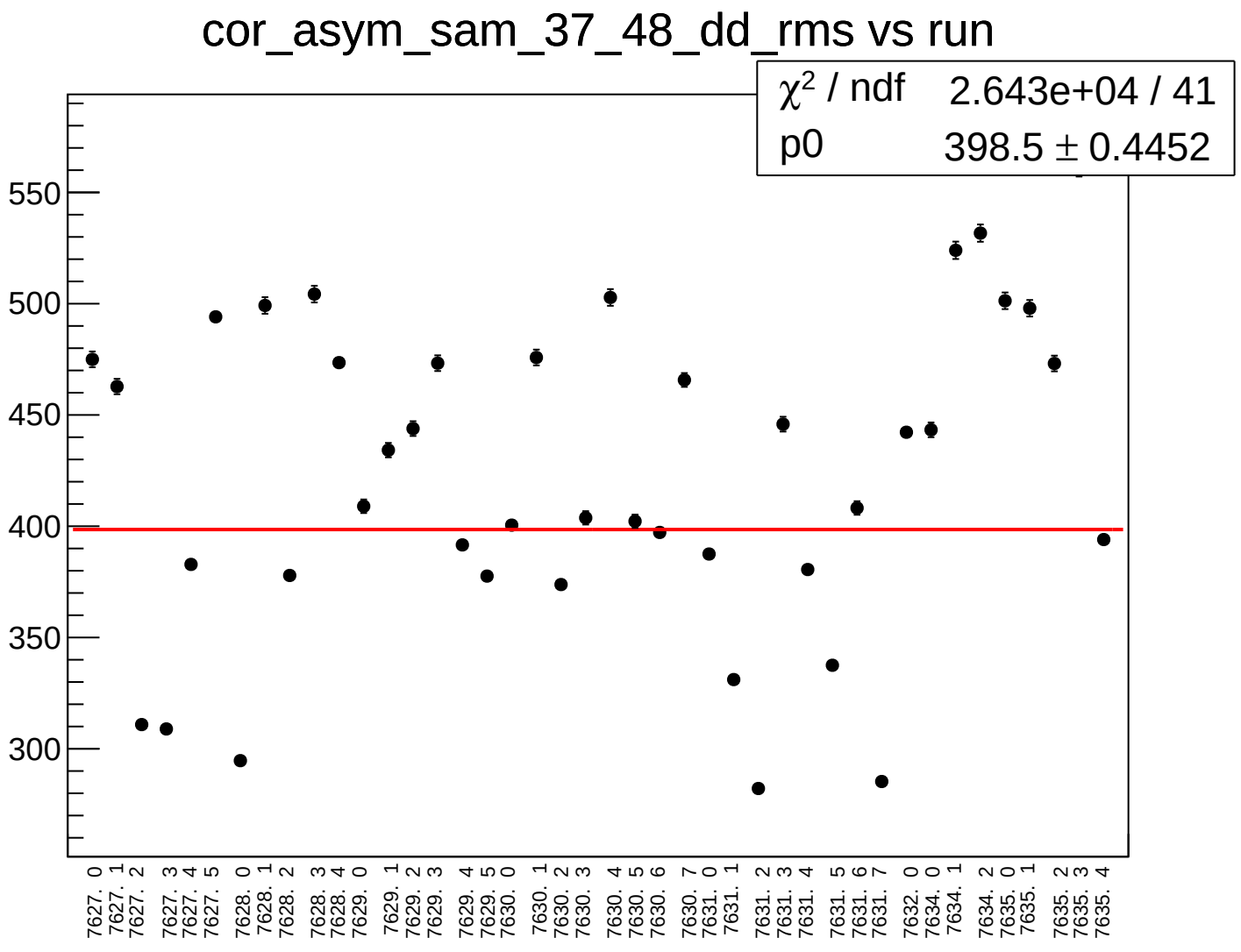

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.643e+04 / 41
p0 398.5 ± 0.4452
550
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

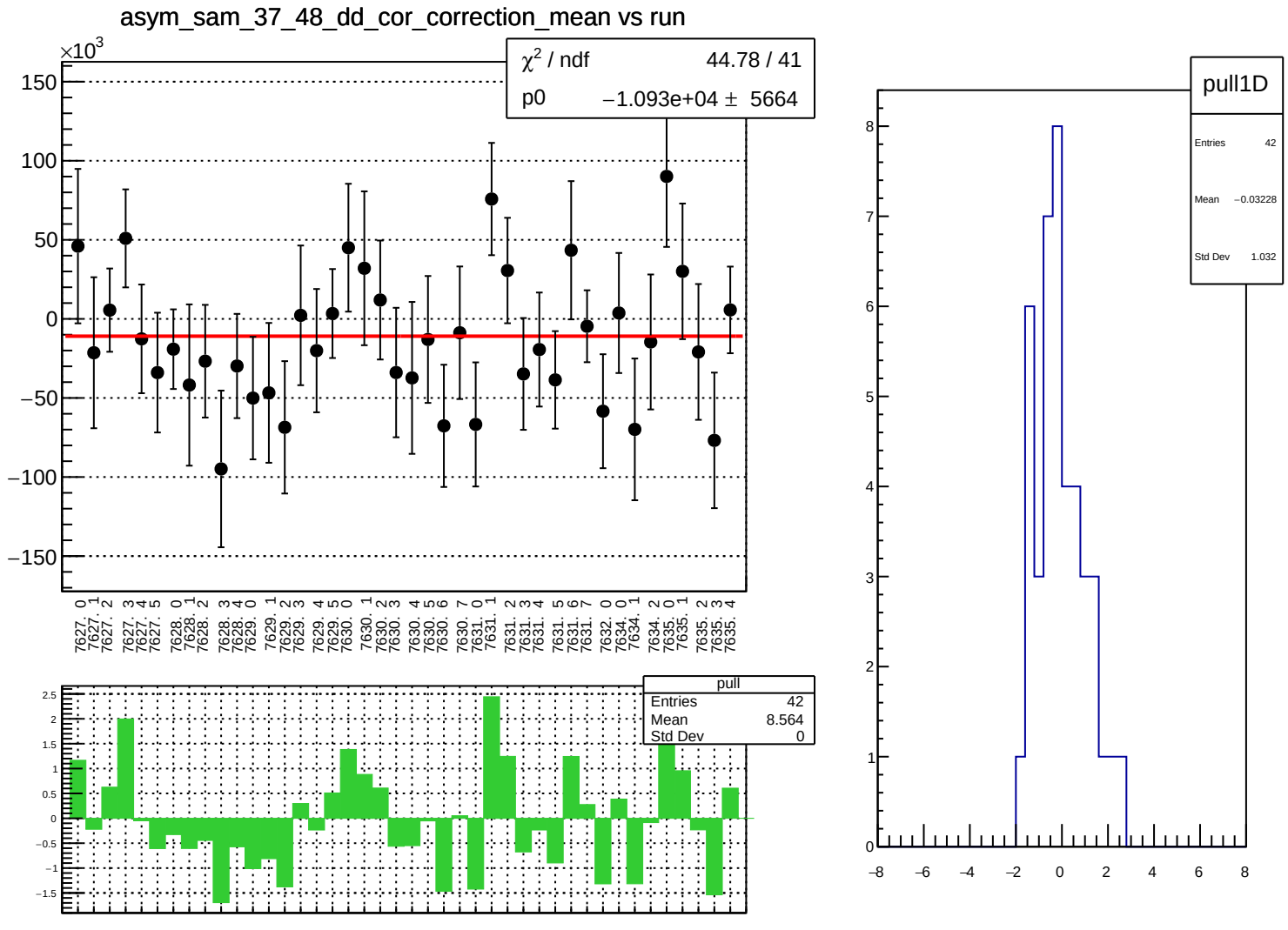

asym_sam_37_48_dd_reg_correction_mean vs run
×10^3
χ² / ndf 44.78 / 41
p0 −1.093e+04 ± 5664
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 8.566
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03228
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

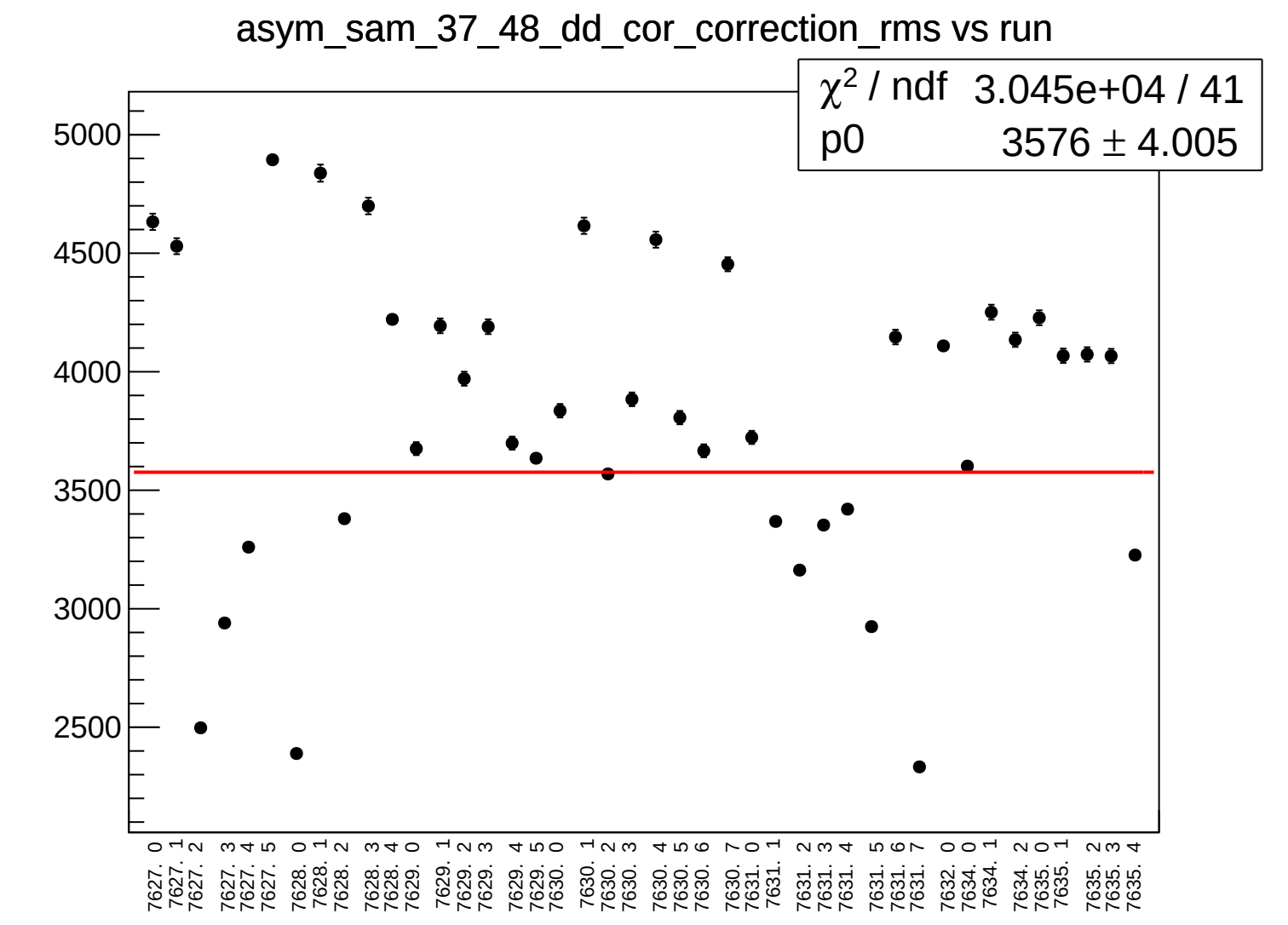

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 3.045e+04 / 41
p0 3576 ± 4.005
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

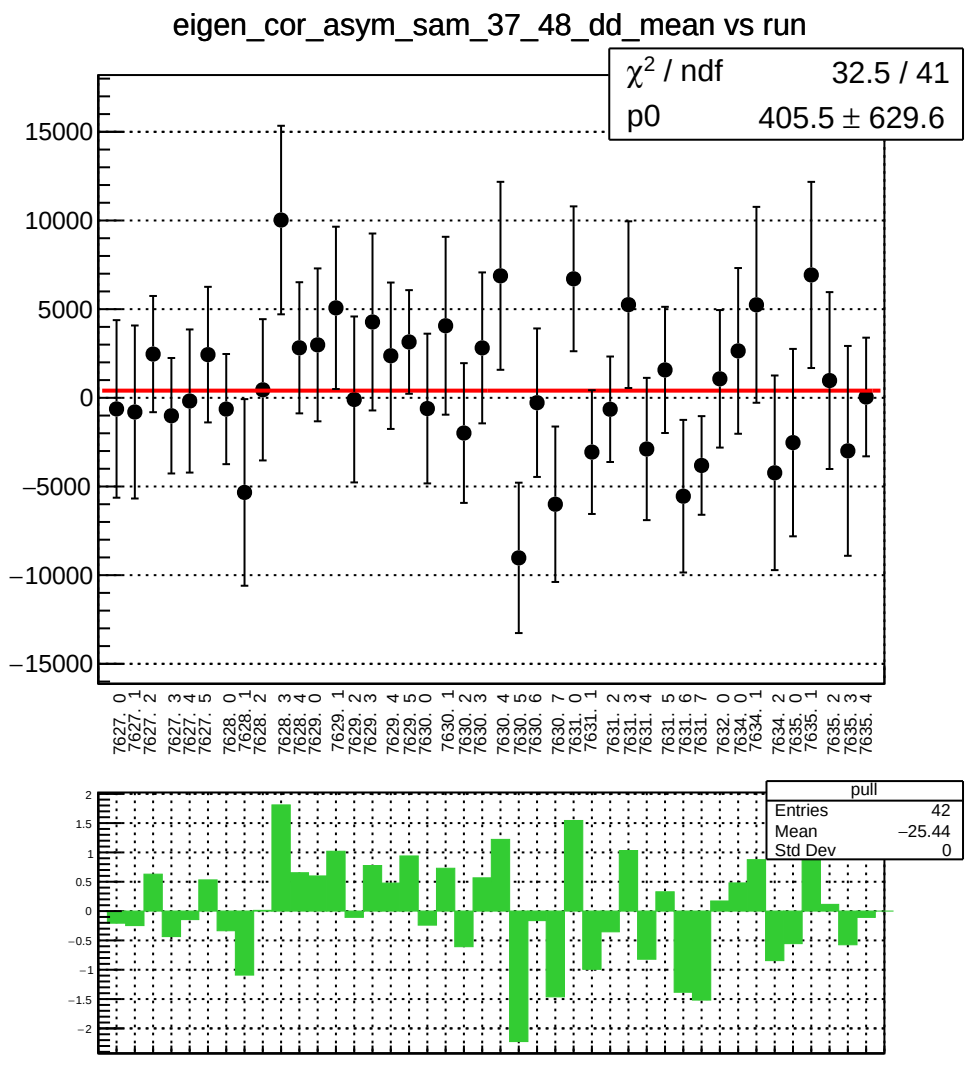

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 32.5 / 41
p0 405.5 ± 629.6
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

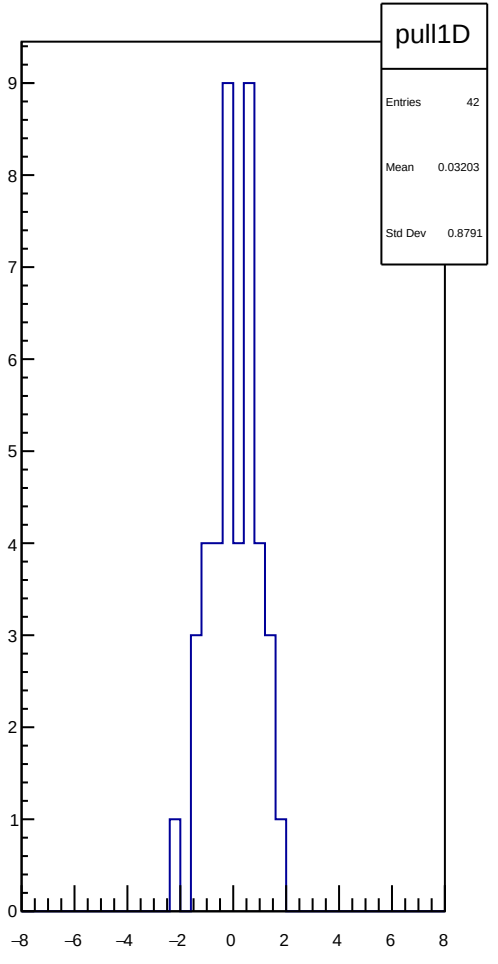

pull1D
Entries 42
Mean 0.03203
Std Dev 0.8791
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

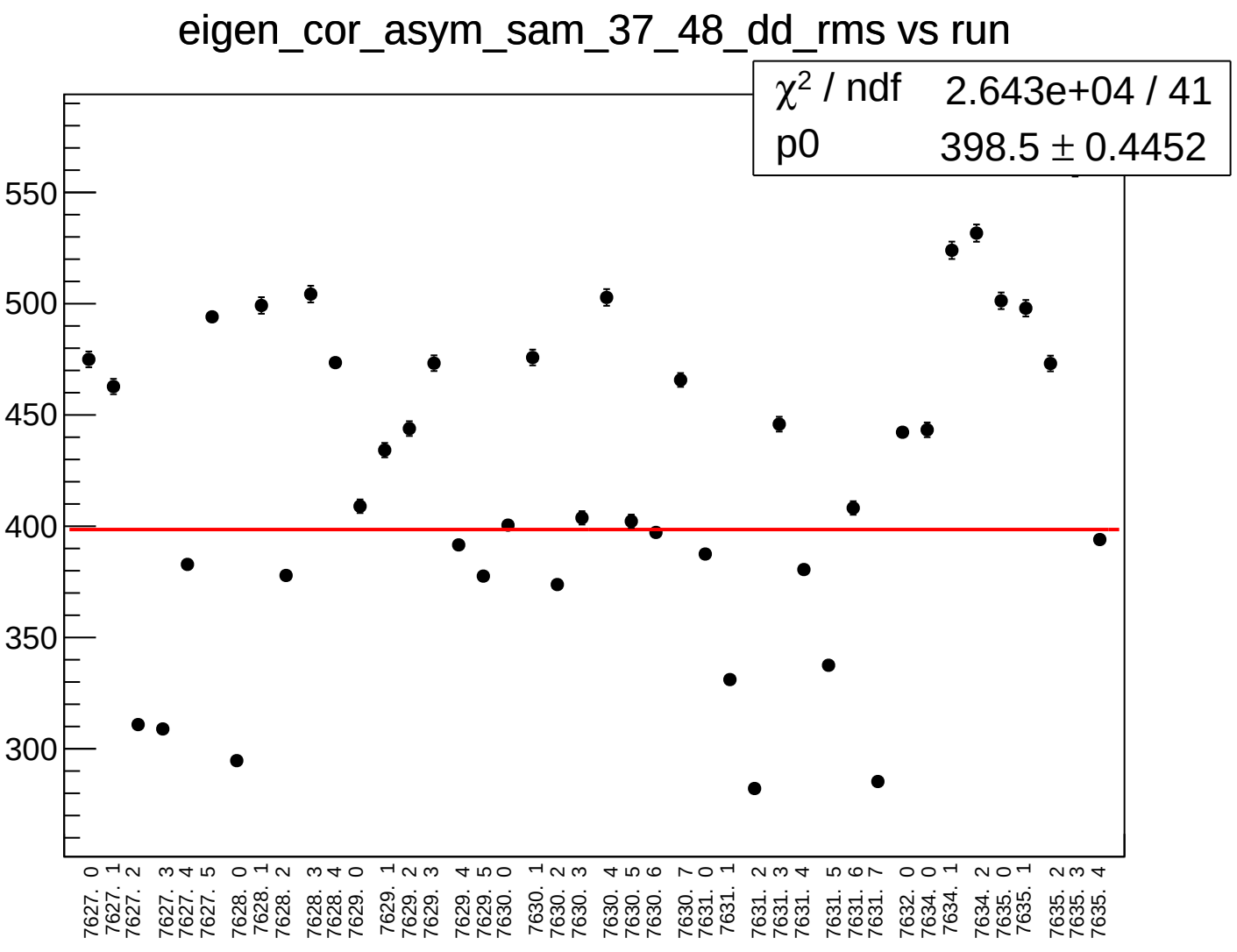

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.643e+04 / 41
p0 398.5 ± 0.4452
550
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

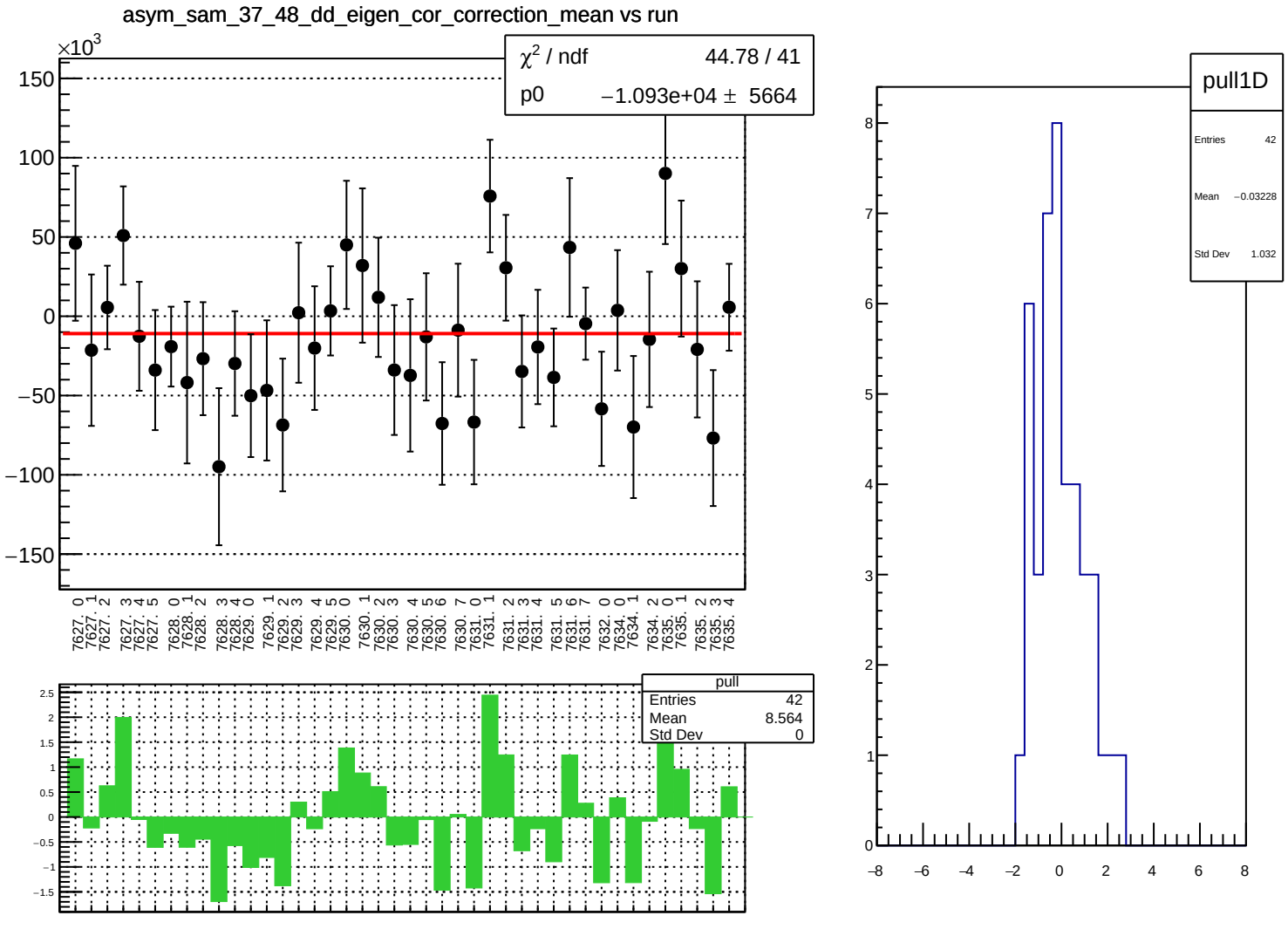

asym_sam_37_48_dd_cor_correction_mean vs run
×10^3
χ² / ndf 44.78 / 41
p0 −1.093e+04 ± 5664
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 8.564
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03228
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

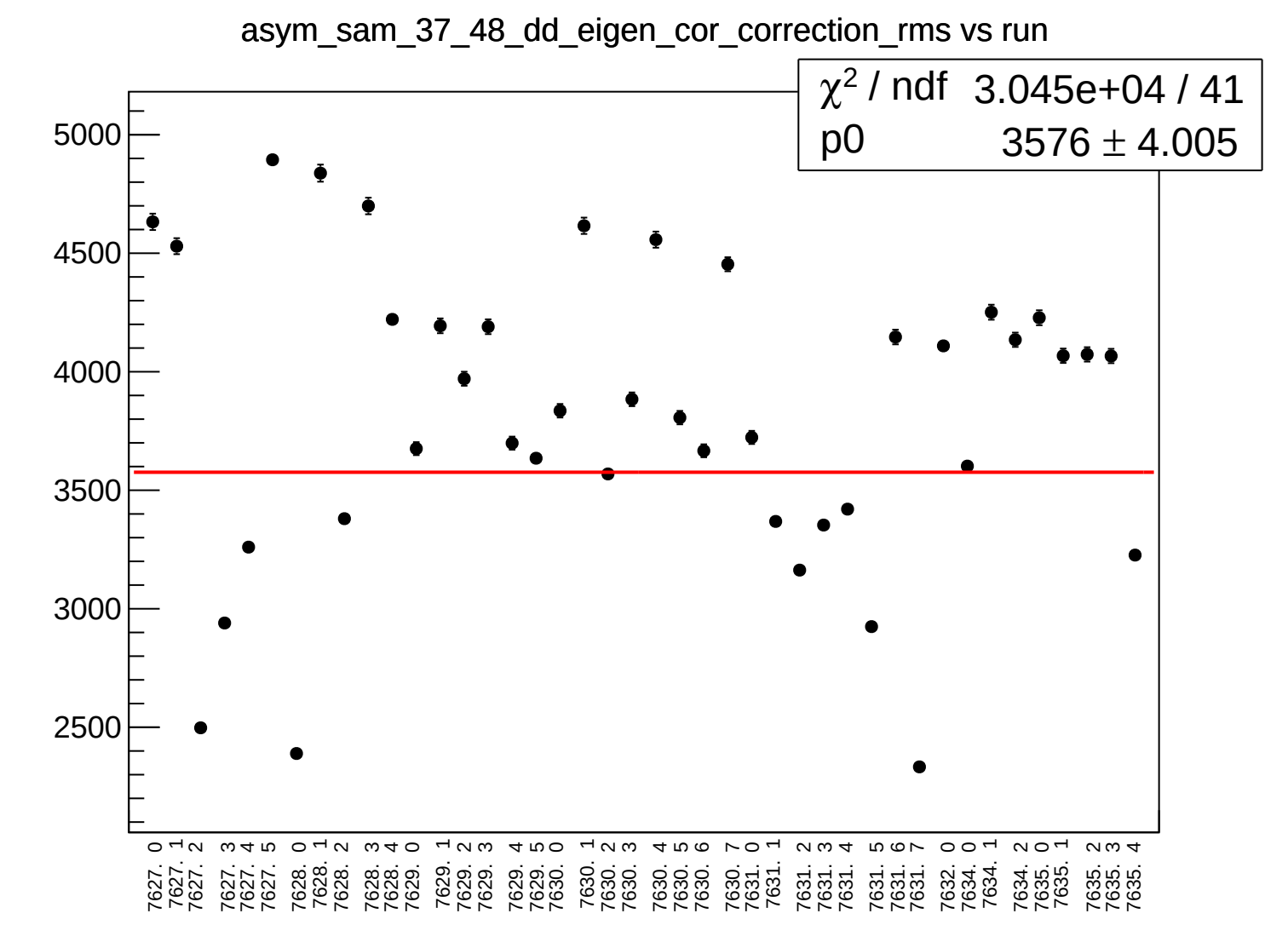

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 3.045e+04 / 41
p0 3576 ± 4.005
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 32.5 / 41
p0 405.5 ± 629.6
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.03203
Std Dev 0.8791
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.643e+04 / 41
p0 398.5 ± 0.4452
550
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_37_48_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.78 / 41
p0 −1.093e+04 ± 5664
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 8.564
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03228
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.045e+04 / 41
p0 3576 ± 4.005
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
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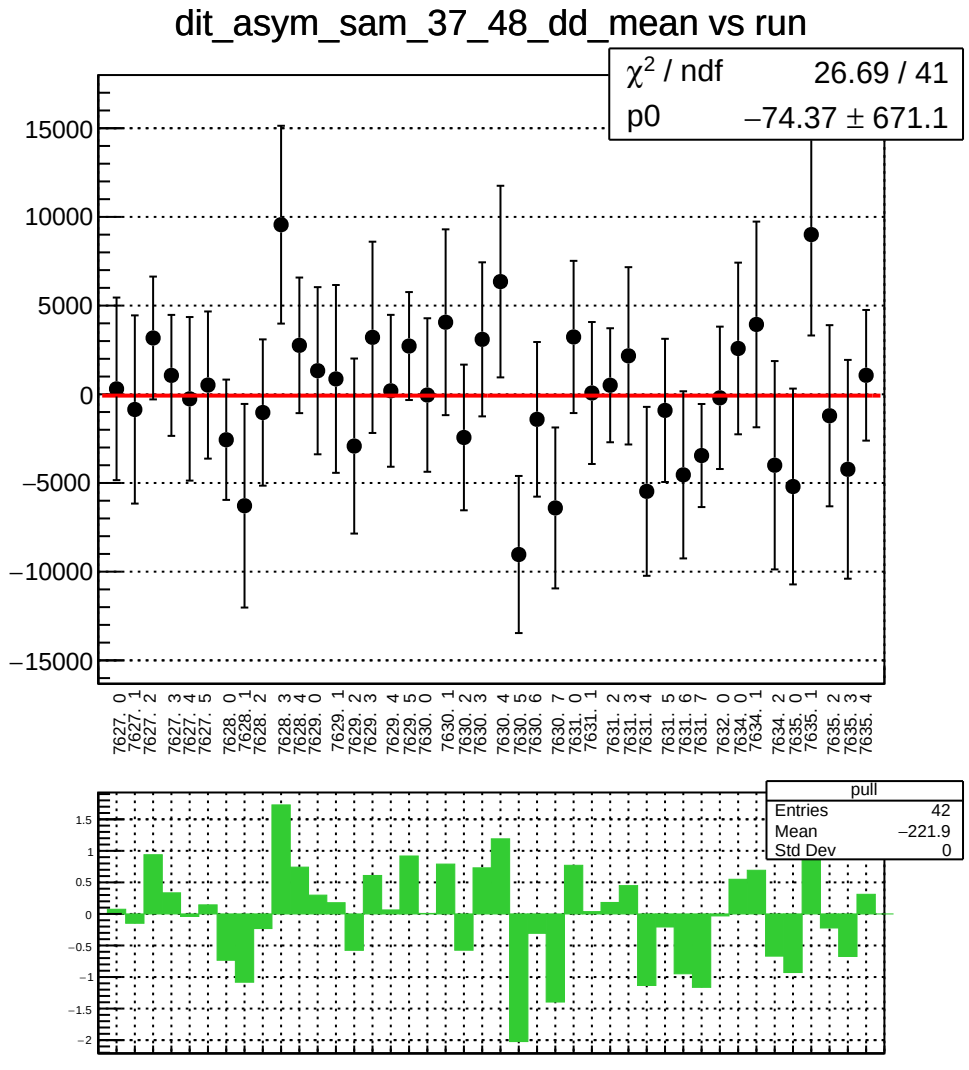
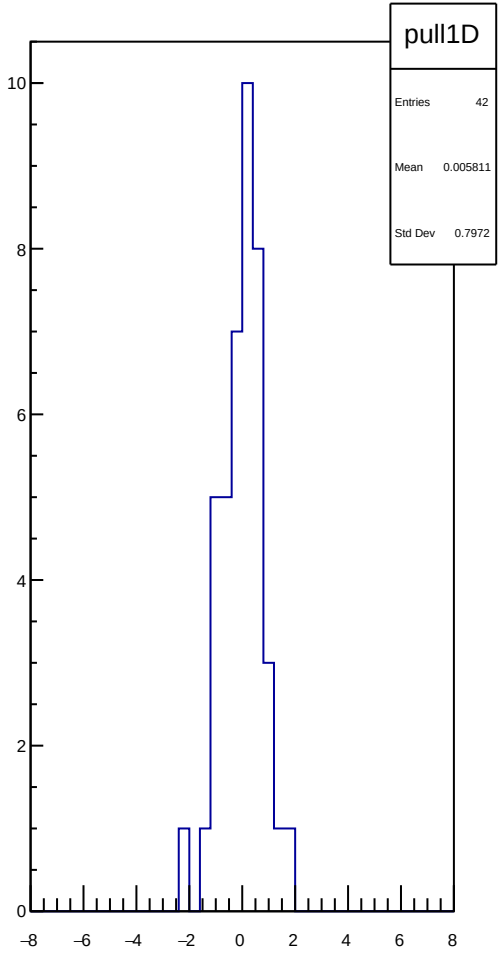
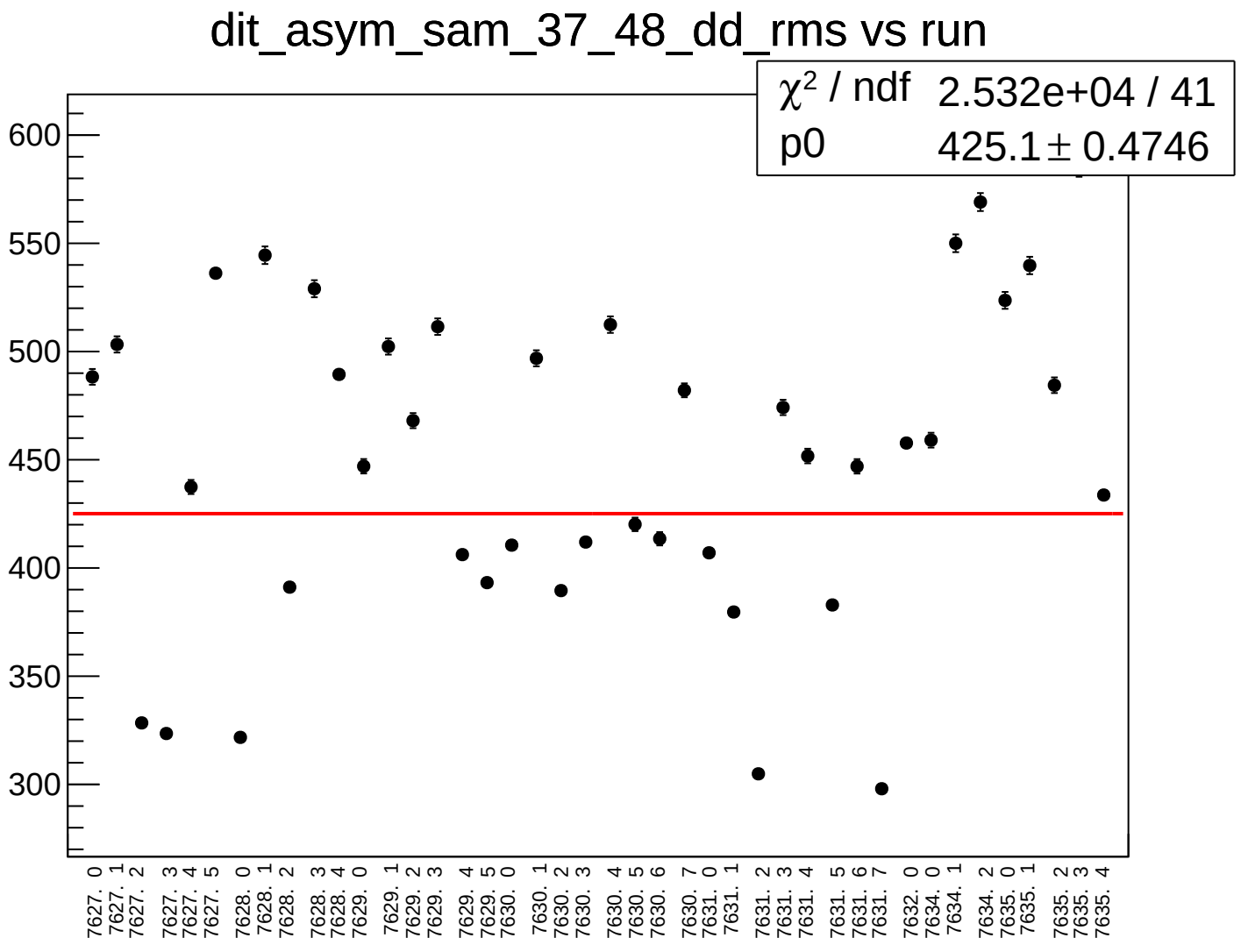
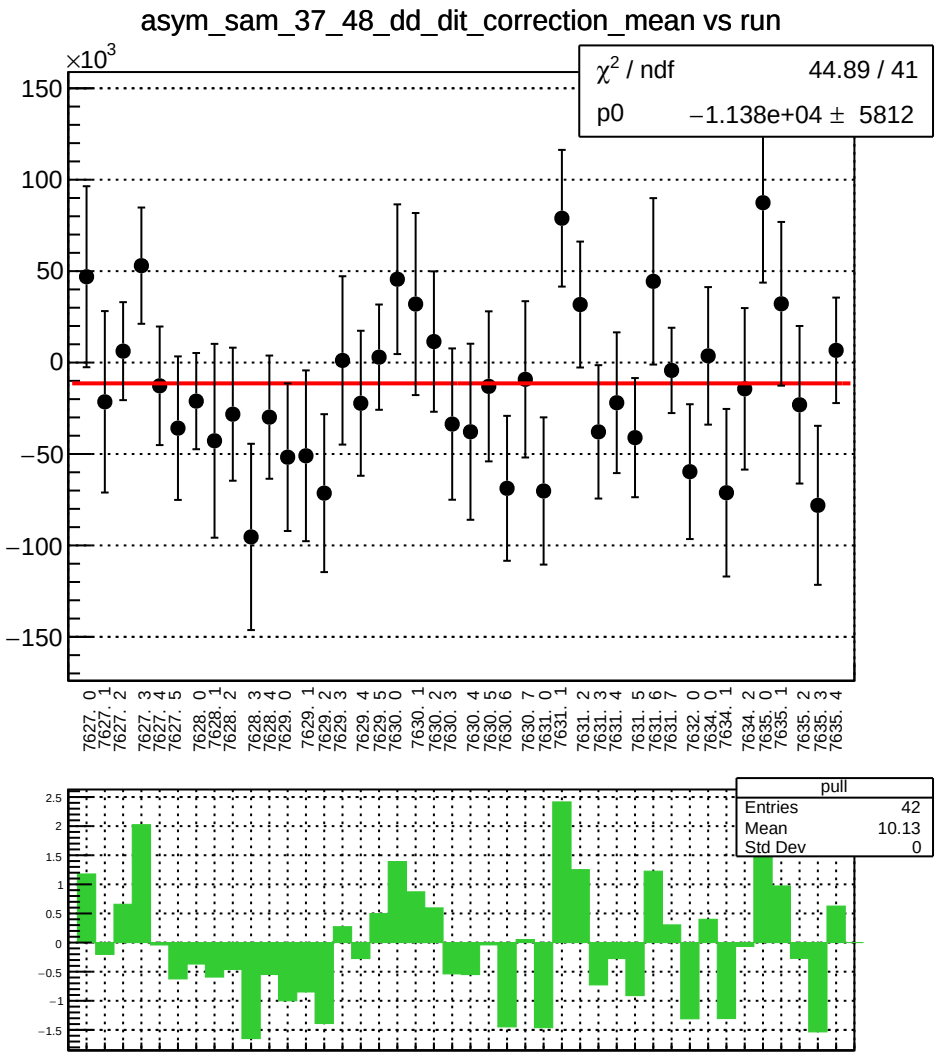
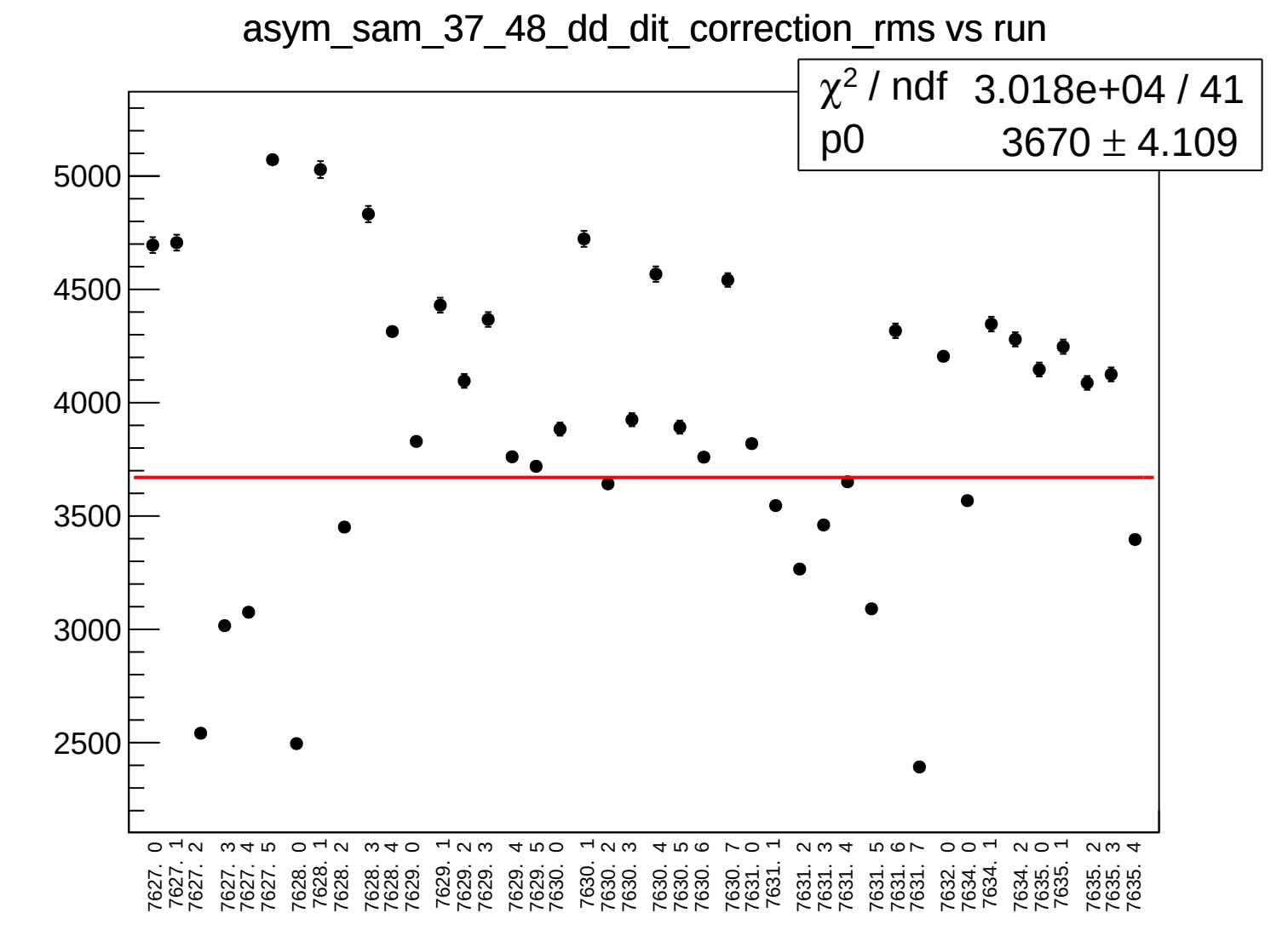
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

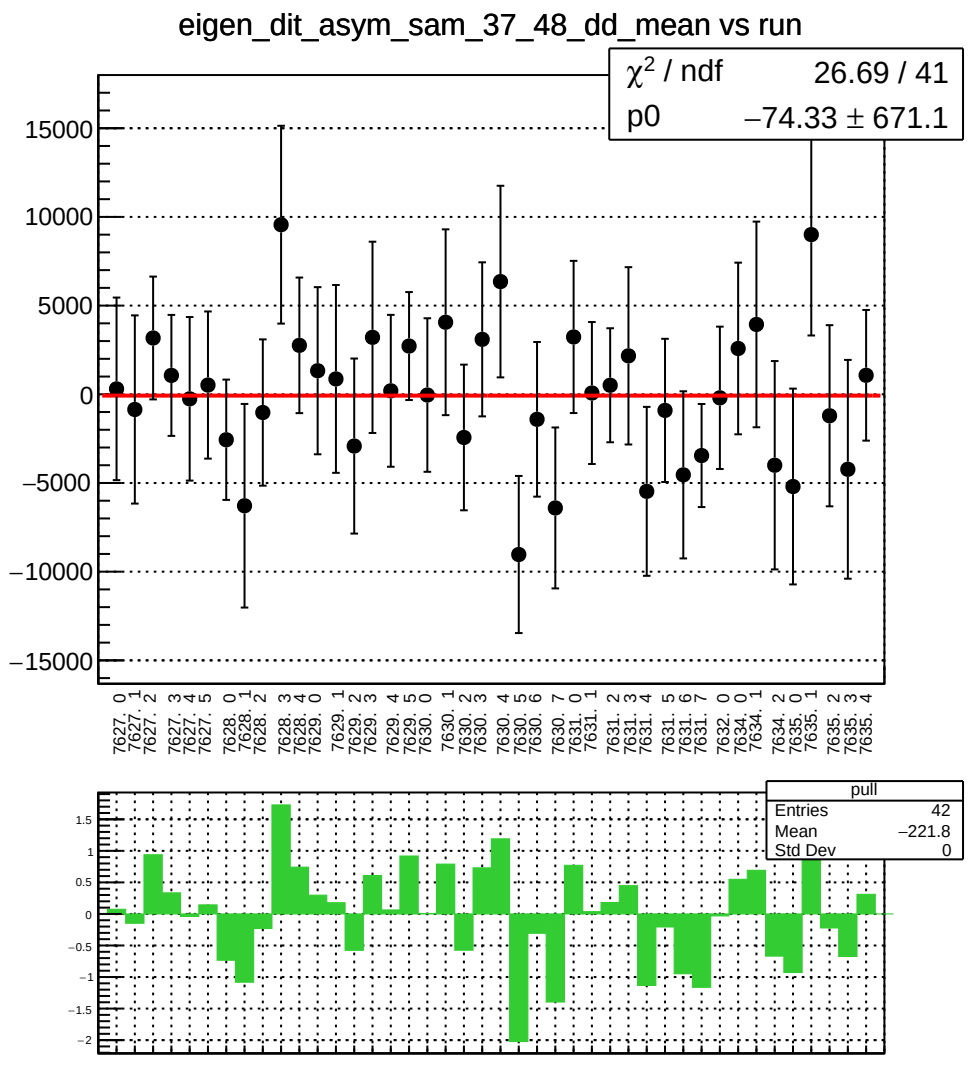

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 26.69 / 41
p0 −74.37 ± 671.1
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −221.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

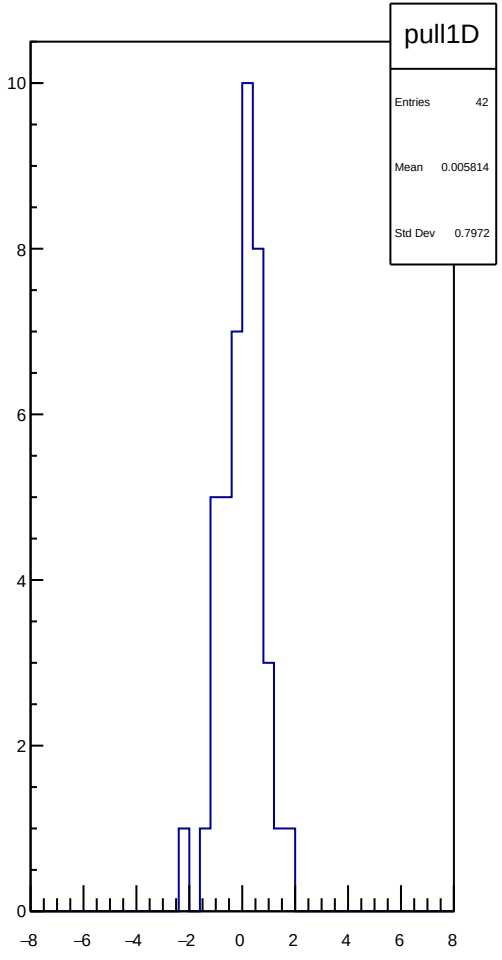

pull1D
Entries 42
Mean 0.005811
Std Dev 0.7972
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

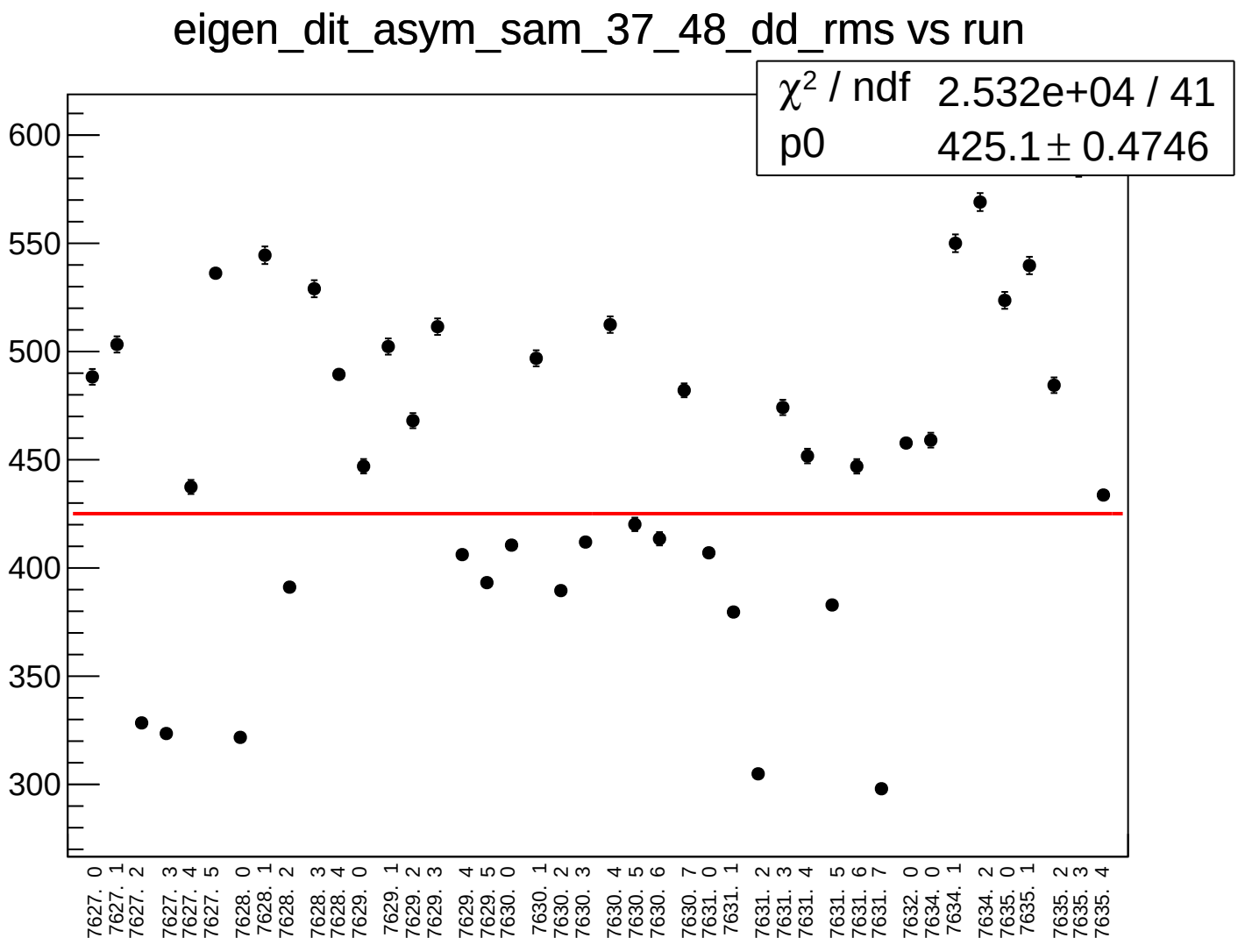

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.532e+04 / 41
p0 425.1 ± 0.4746
600
550
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

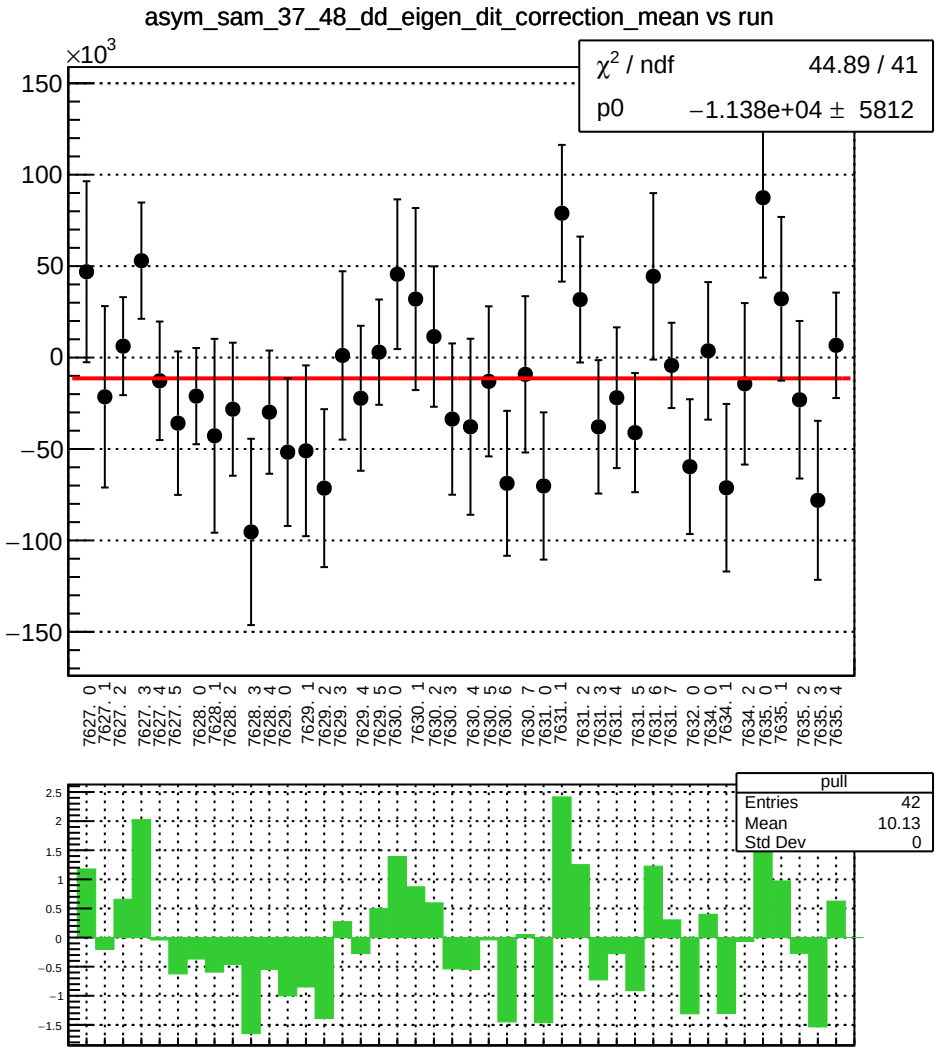

asym_sam_37_48_dd_dit_correction_mean vs run
×10^3
χ² / ndf 44.89 / 41
p0 −1.138e+04 ± 5812
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 10.13
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03429
Std Dev 1.033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

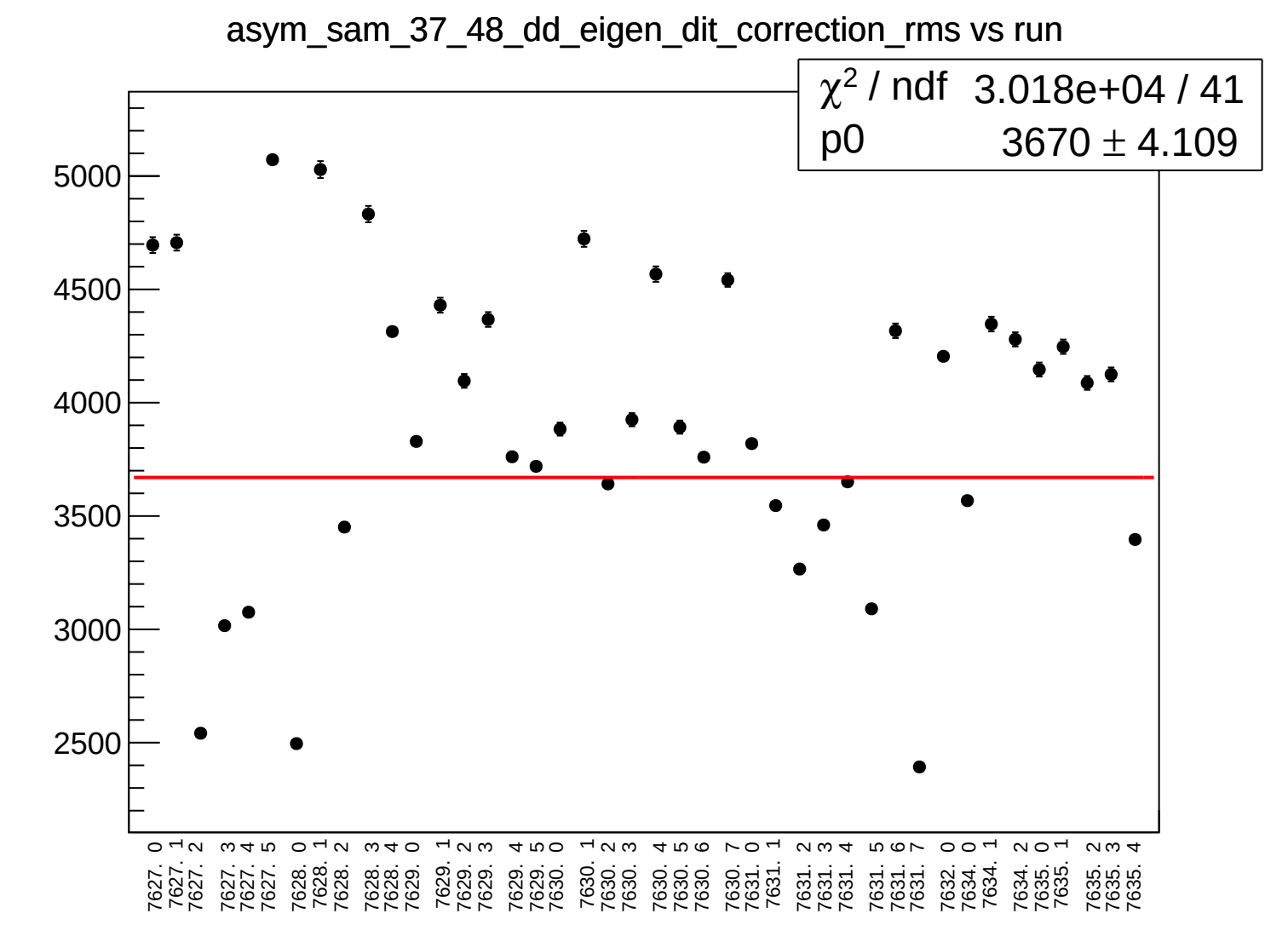

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 3.018e+04 / 41
p0 3670 ± 4.109
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

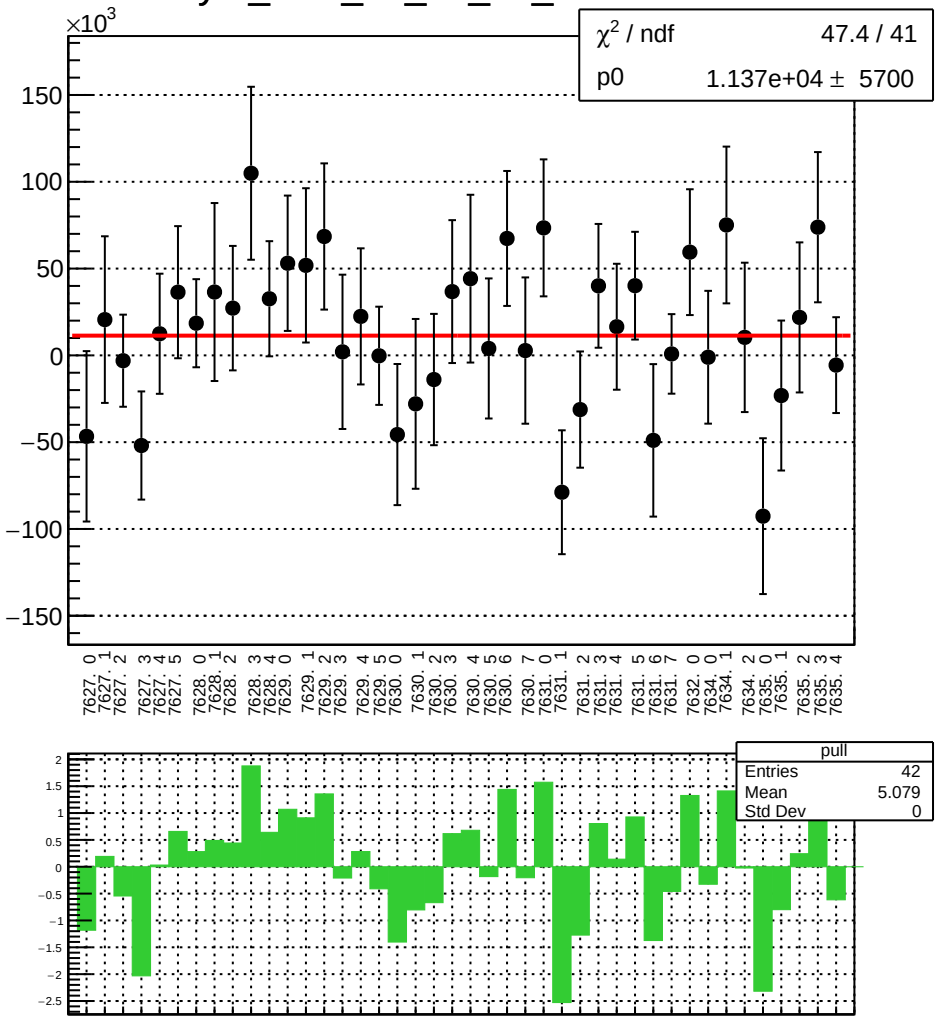

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 26.69 / 41
p0 −74.33 ± 671.1
15000
10000
5000
0
−5000
−10000
−15000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −221.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

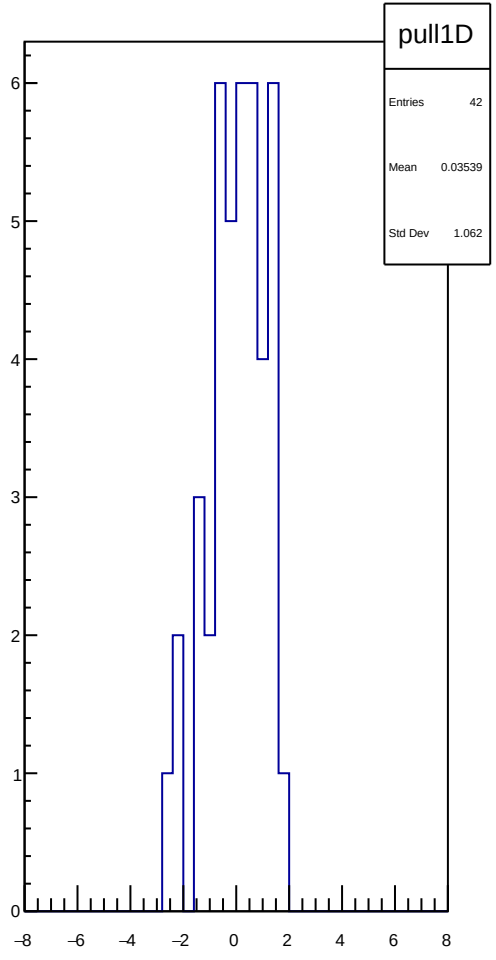

pull1D
Entries 42
Mean 0.005814
Std Dev 0.7972
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

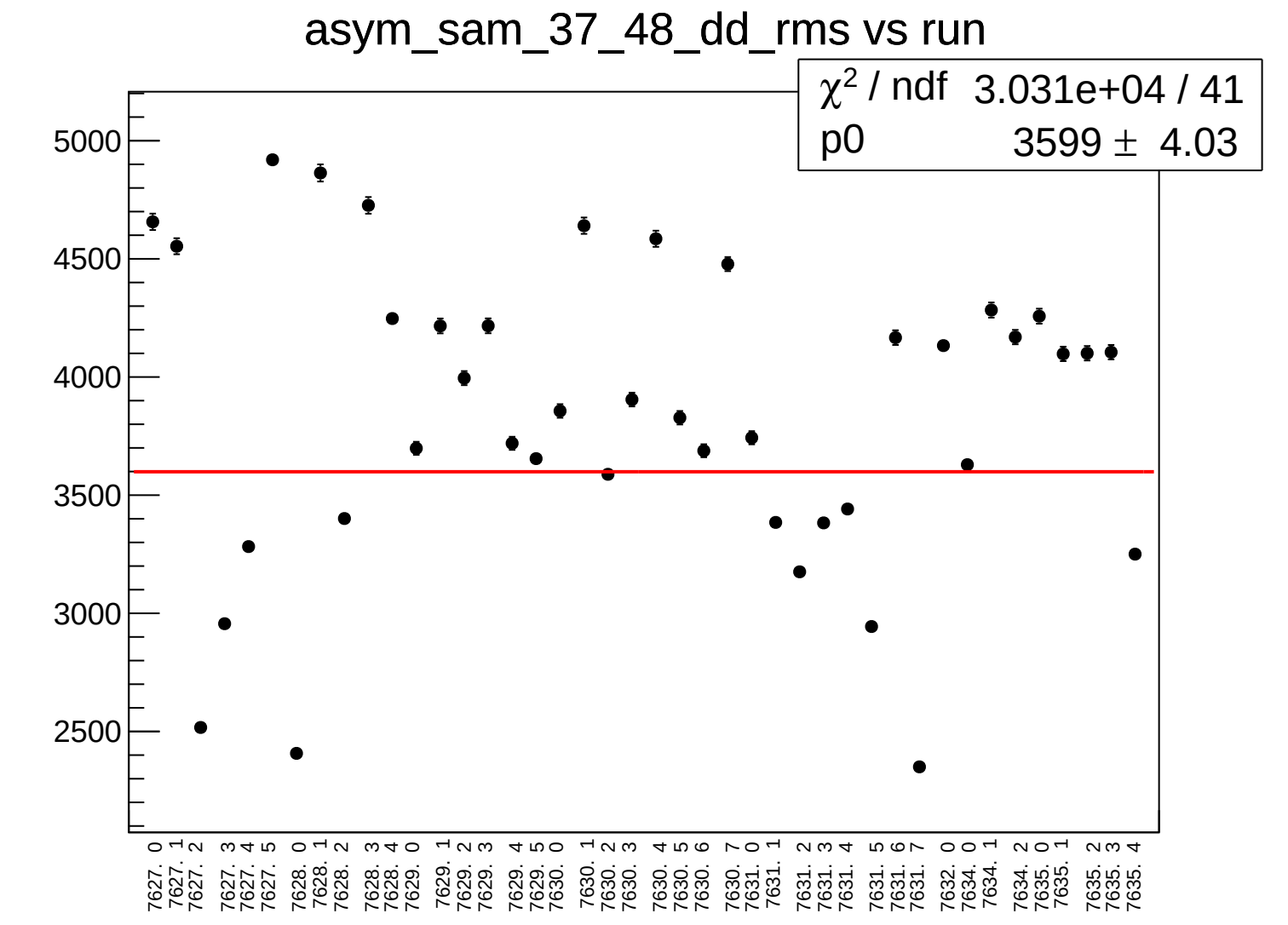

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.532e+04 / 41
p0 425.1 ± 0.4746
600
550
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

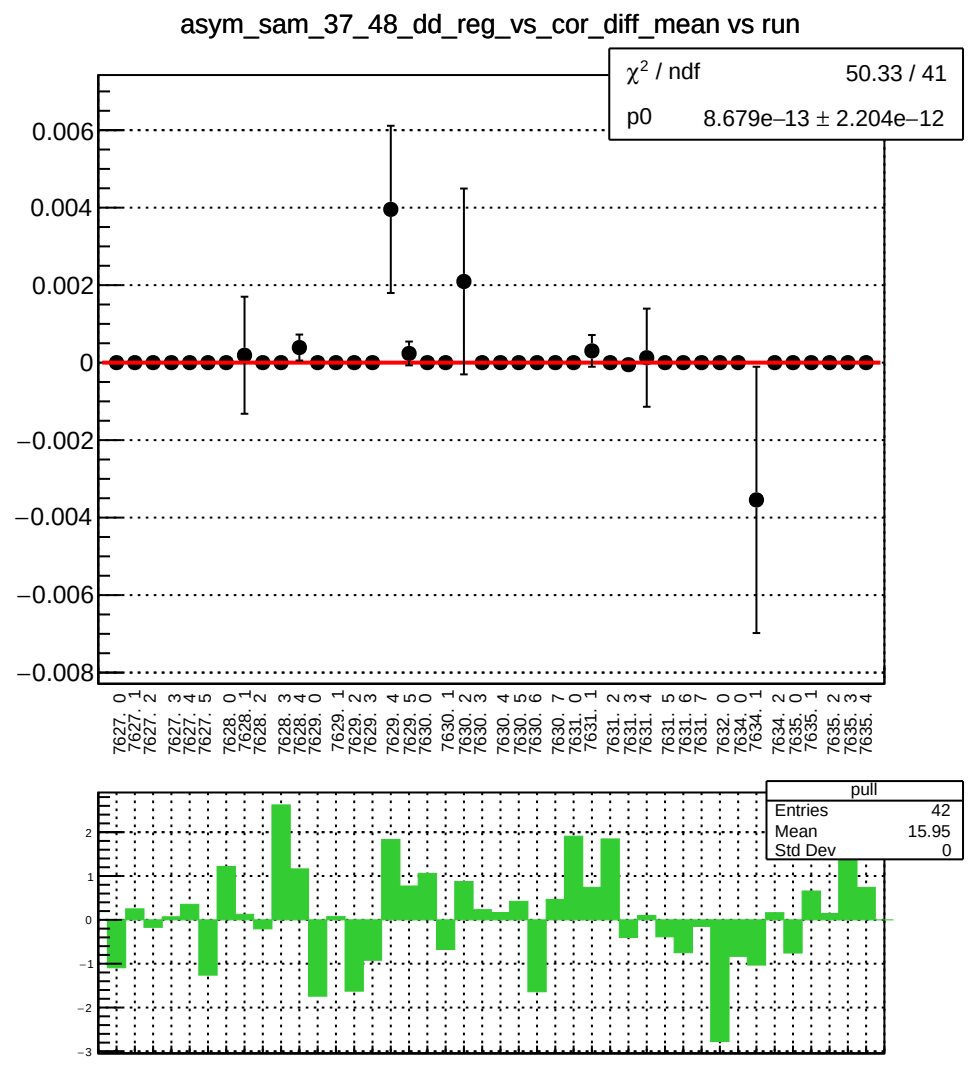

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 44.89 / 41
p0 −1.138e+04 ± 5812
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 10.13
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03429
Std Dev 1.033
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

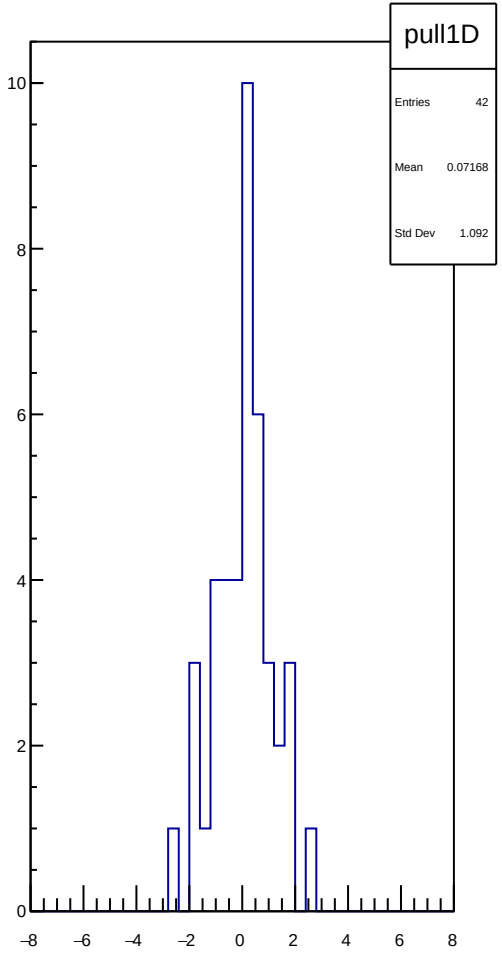

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.018e+04 / 41
p0 3670 ± 4.109
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

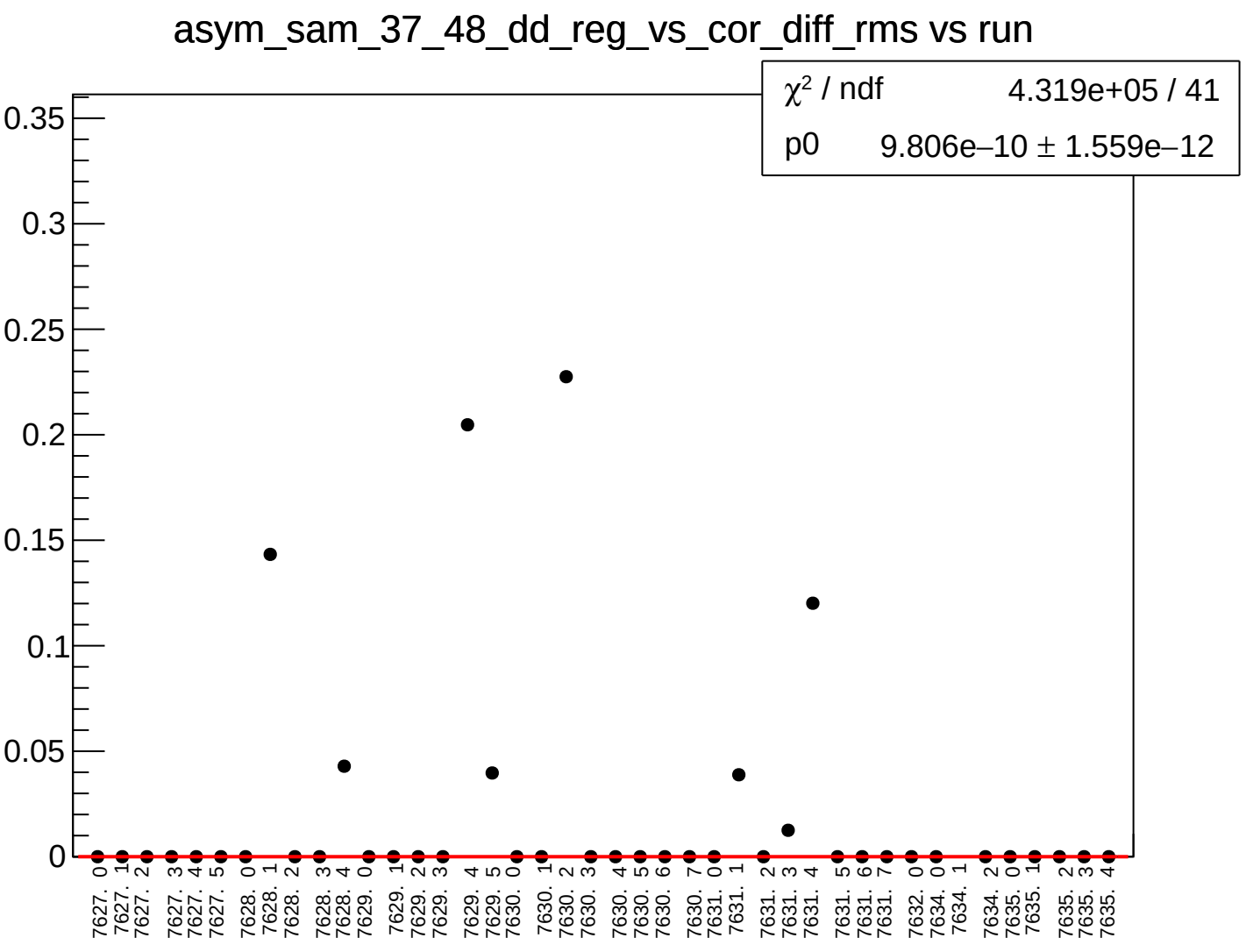

asym_sam_37_48_dd_mean vs run
×10^3
χ² / ndf 47.4 / 41
p0 1.137e+04 ± 5700
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 5.079
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

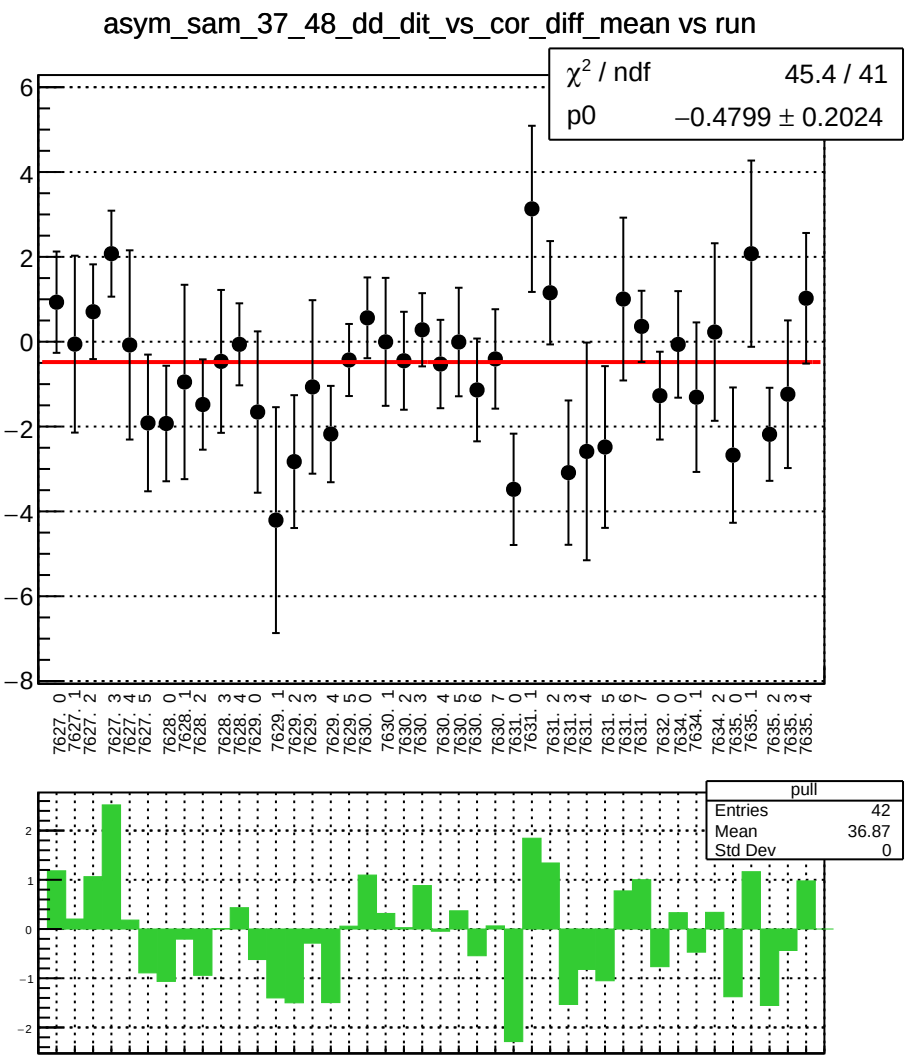

pull1D
Entries 42
Mean 0.03539
Std Dev 1.062
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

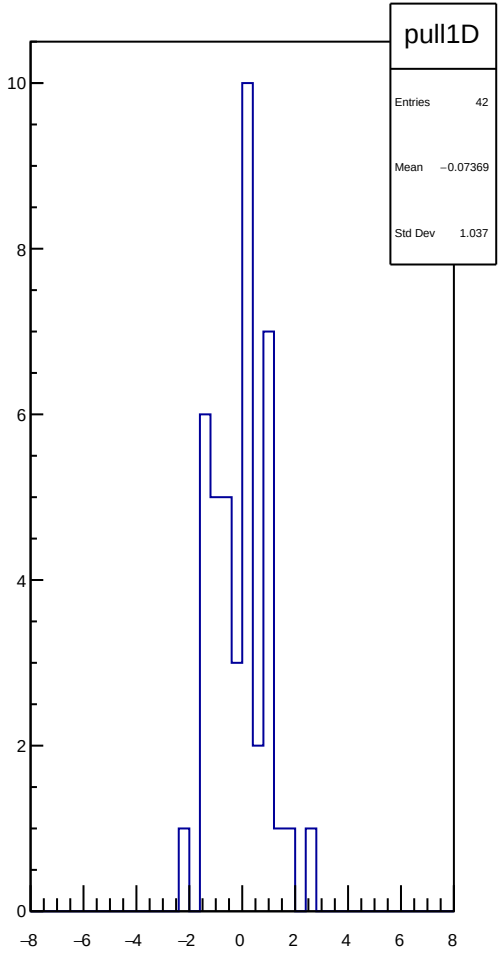

asym_sam_37_48_dd_rms vs run
χ² / ndf 3.031e+04 / 41
p0 3599 ± 4.03
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

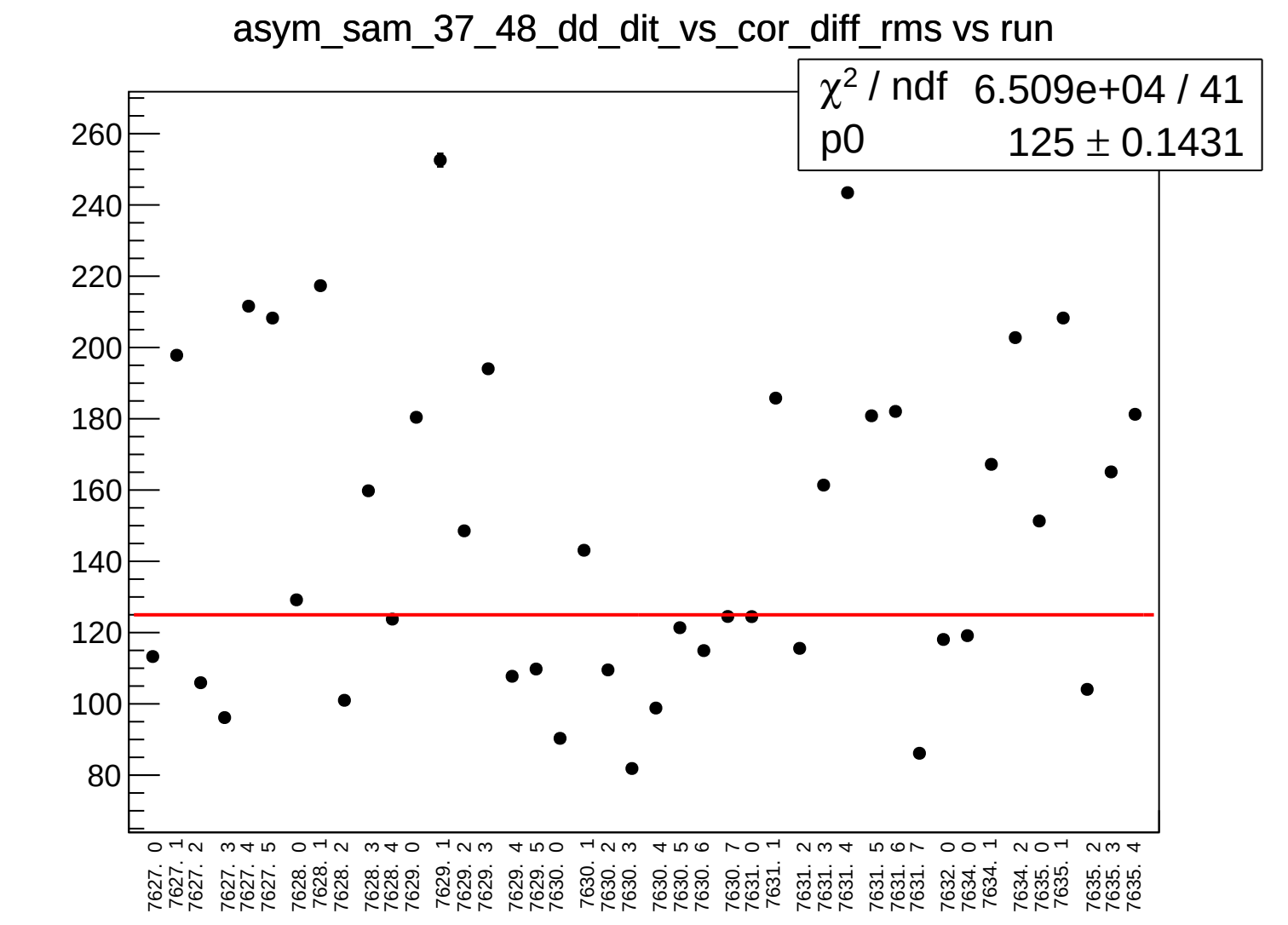

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.33 / 41
p0 8.679e−13 ± 2.204e−12
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.95
Std Dev 0
2
1
0
−1
−2
−3

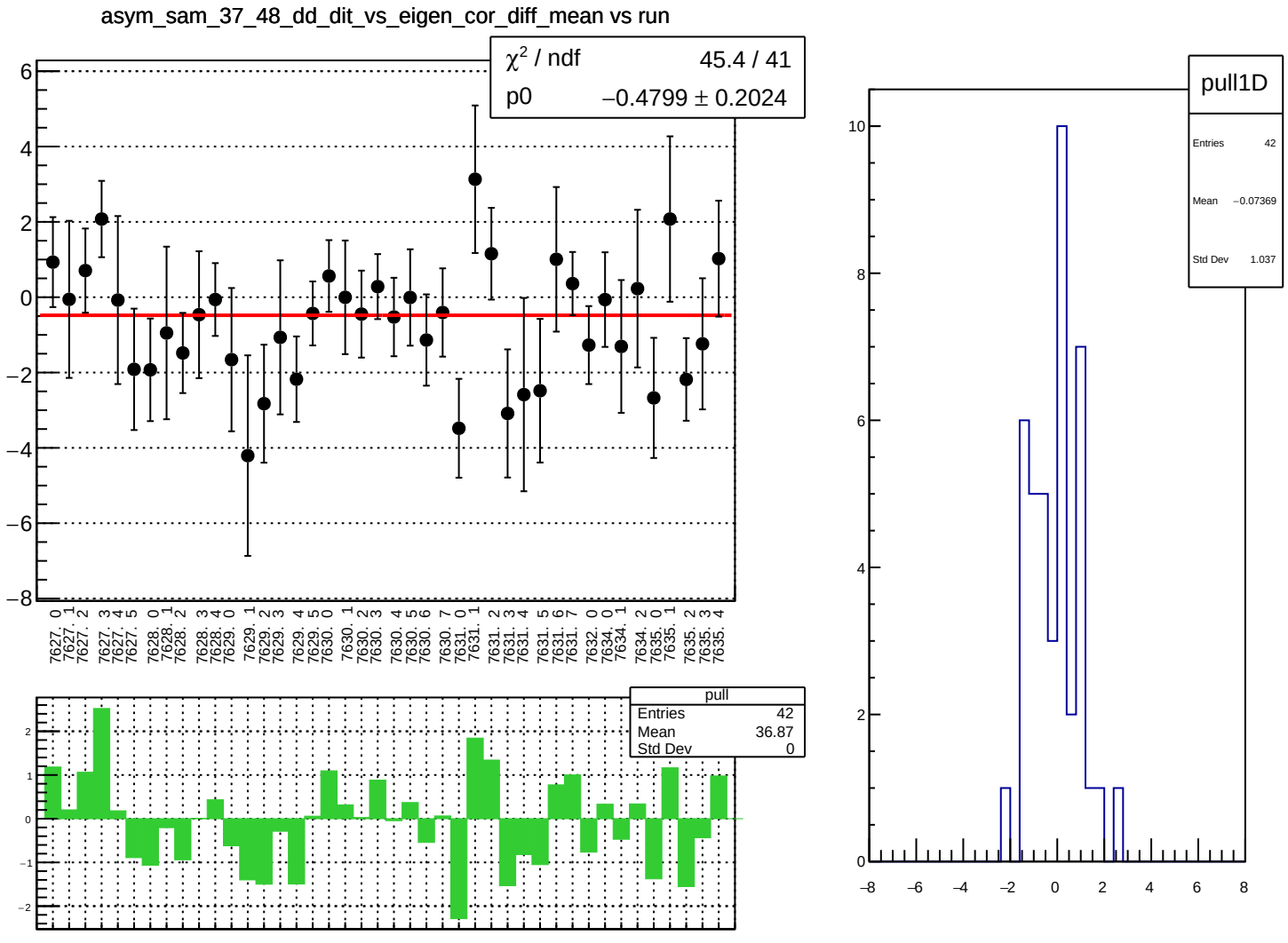

pull1D
Entries 42
Mean 0.07168
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

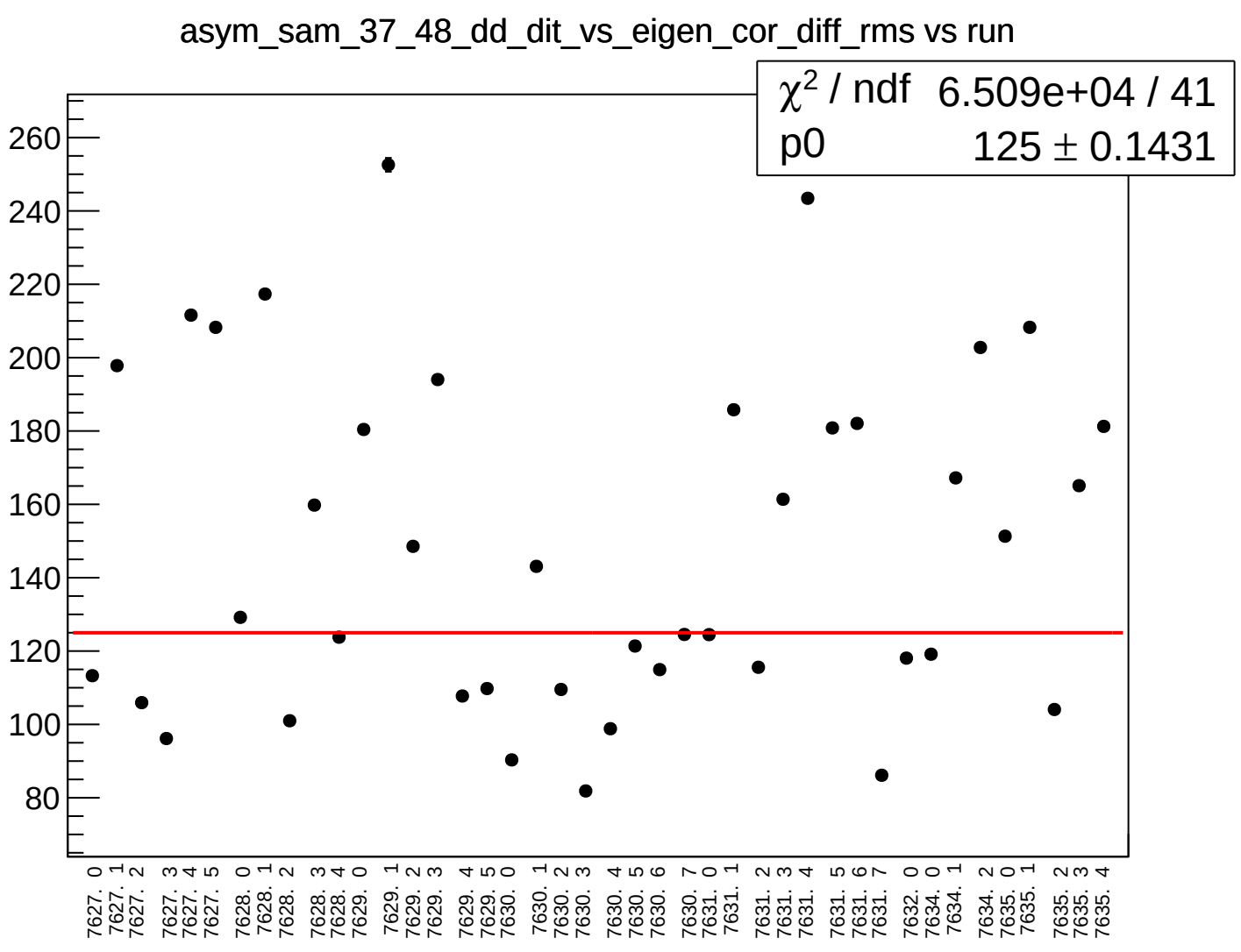

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.319e+05 / 41
p0 9.806e−10 ± 1.559e−12
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

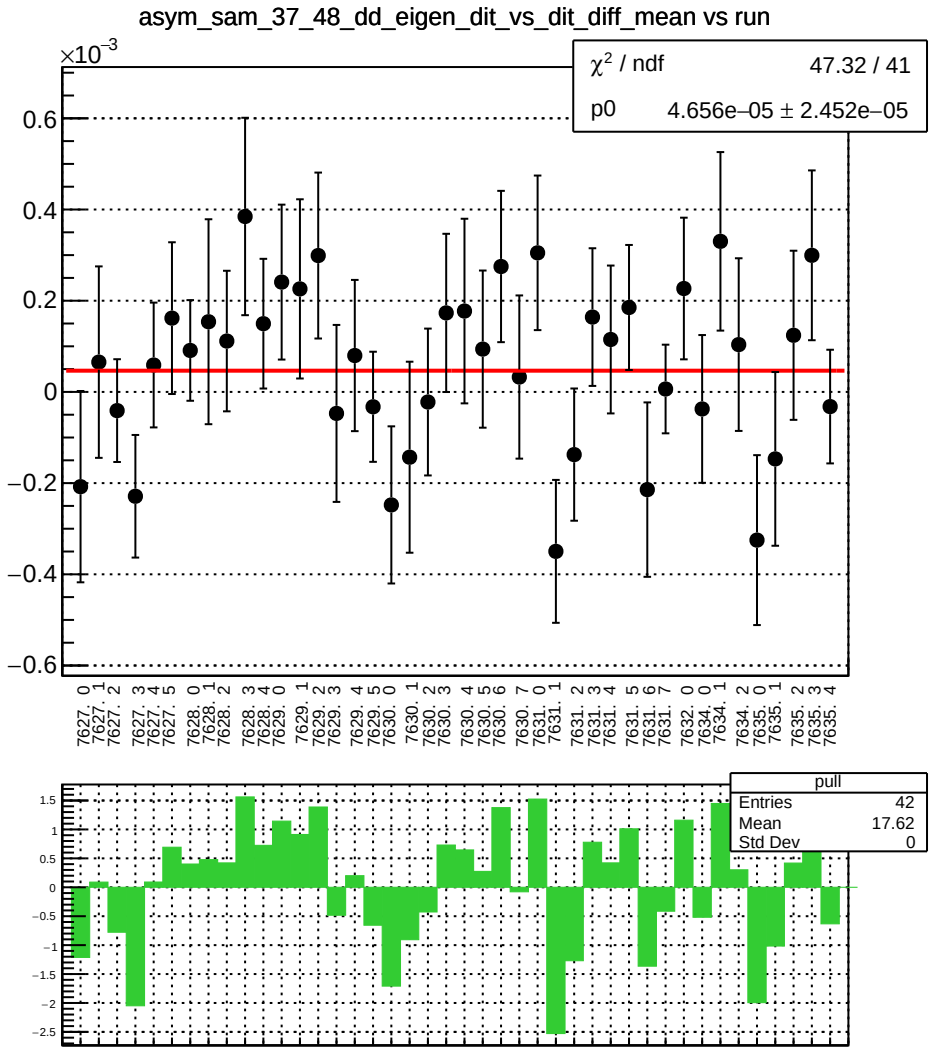

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.4 / 41
p0 −0.4799 ± 0.2024
pull
Entries 42
Mean 36.87
Std Dev 0

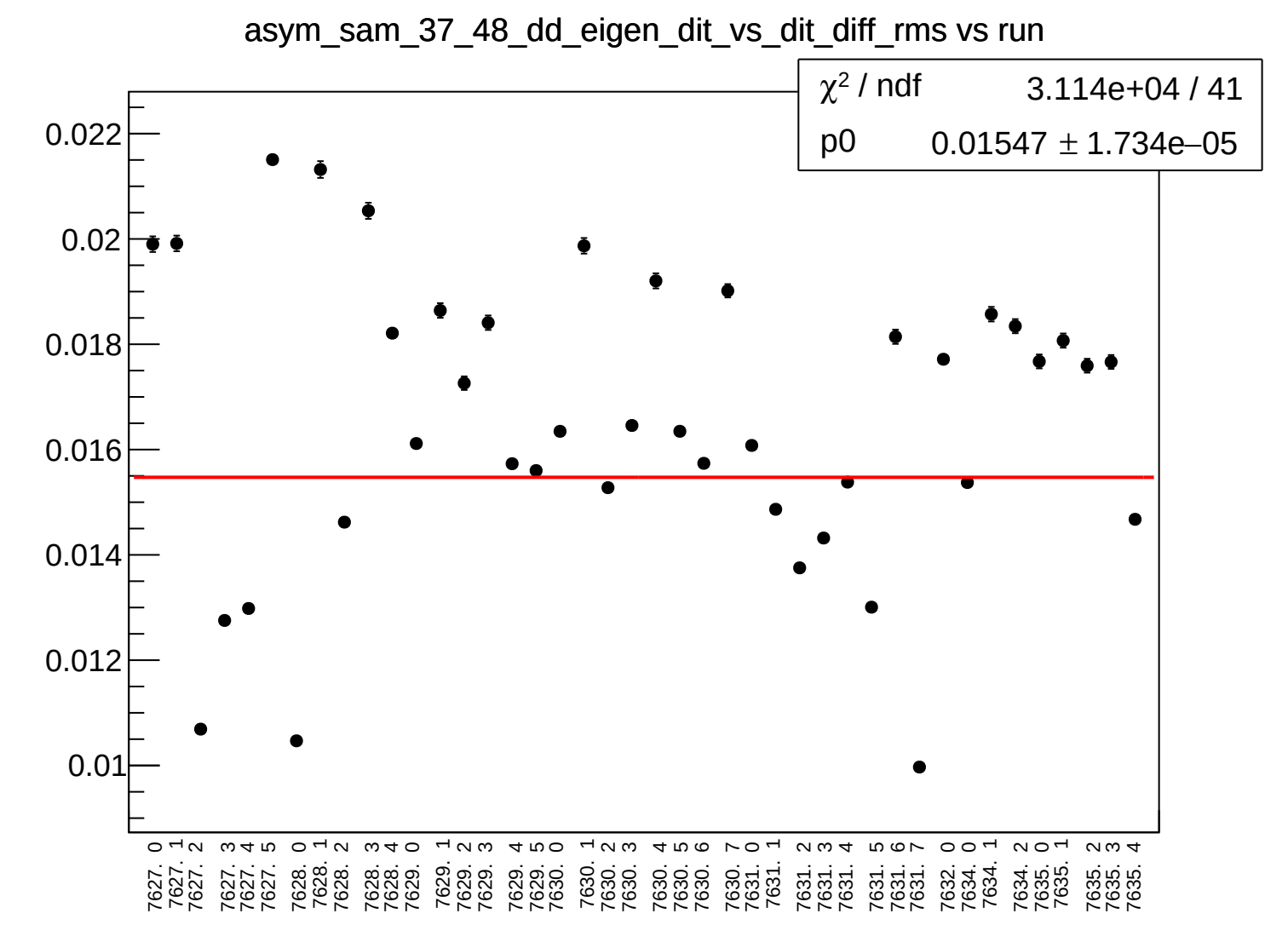

pull1D
Entries 42
Mean −0.07369
Std Dev 1.037

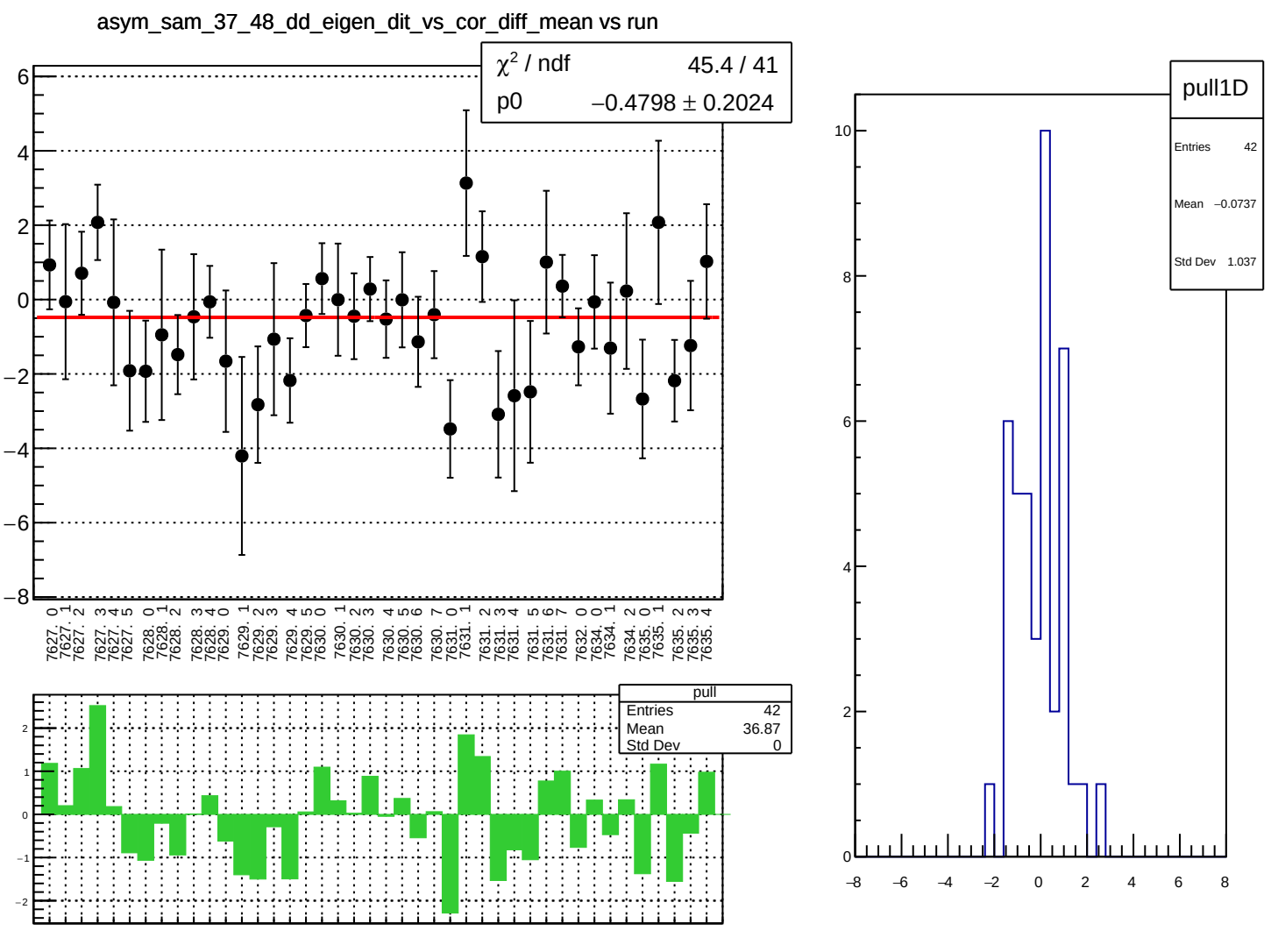

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.509e+04 / 41
p0 125 ± 0.1431
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

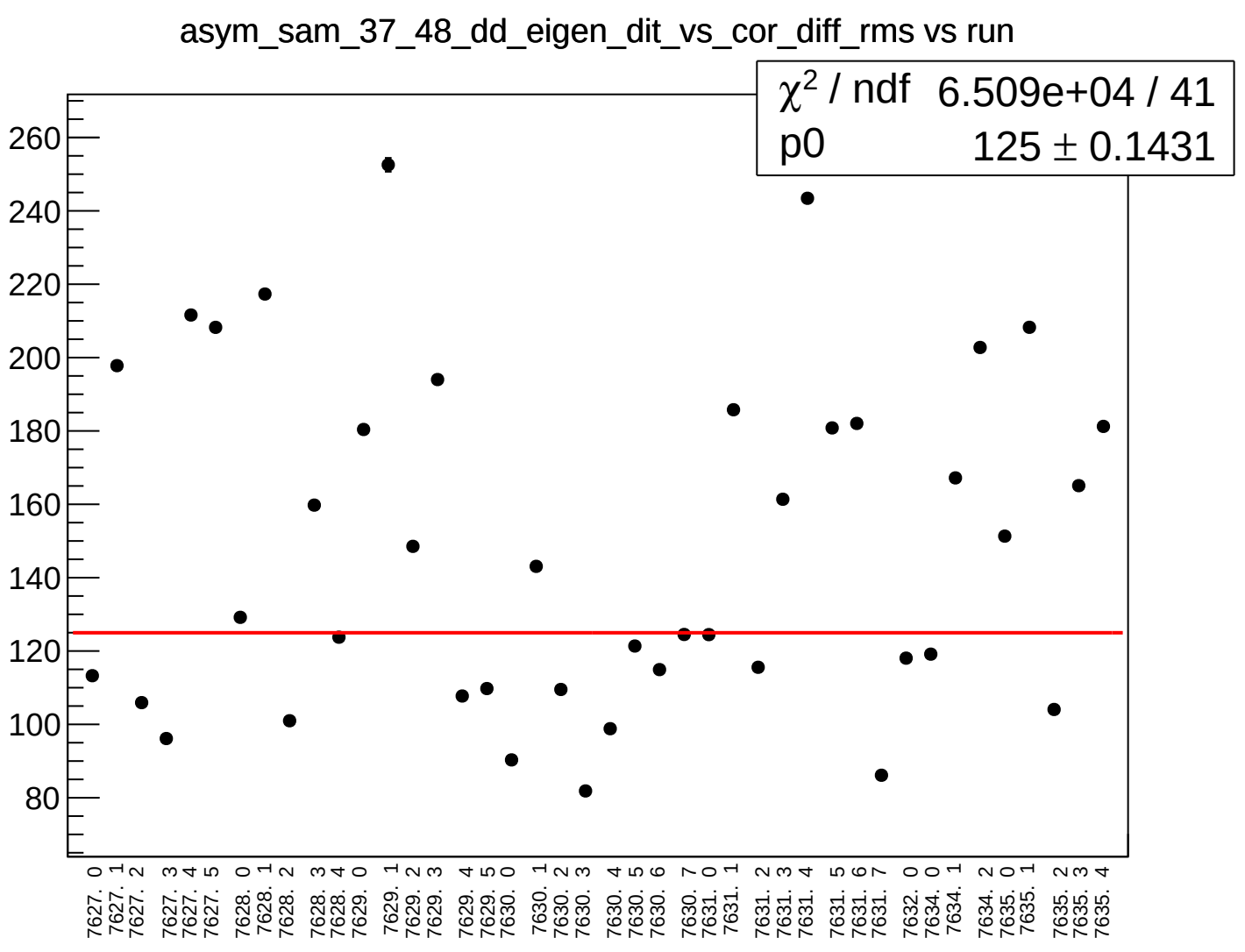

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.4 / 41
p0 −0.4799 ± 0.2024
pull
Entries 42
Mean 36.87
Std Dev 0
pull1D
Entries 42
Mean −0.07369
Std Dev 1.037

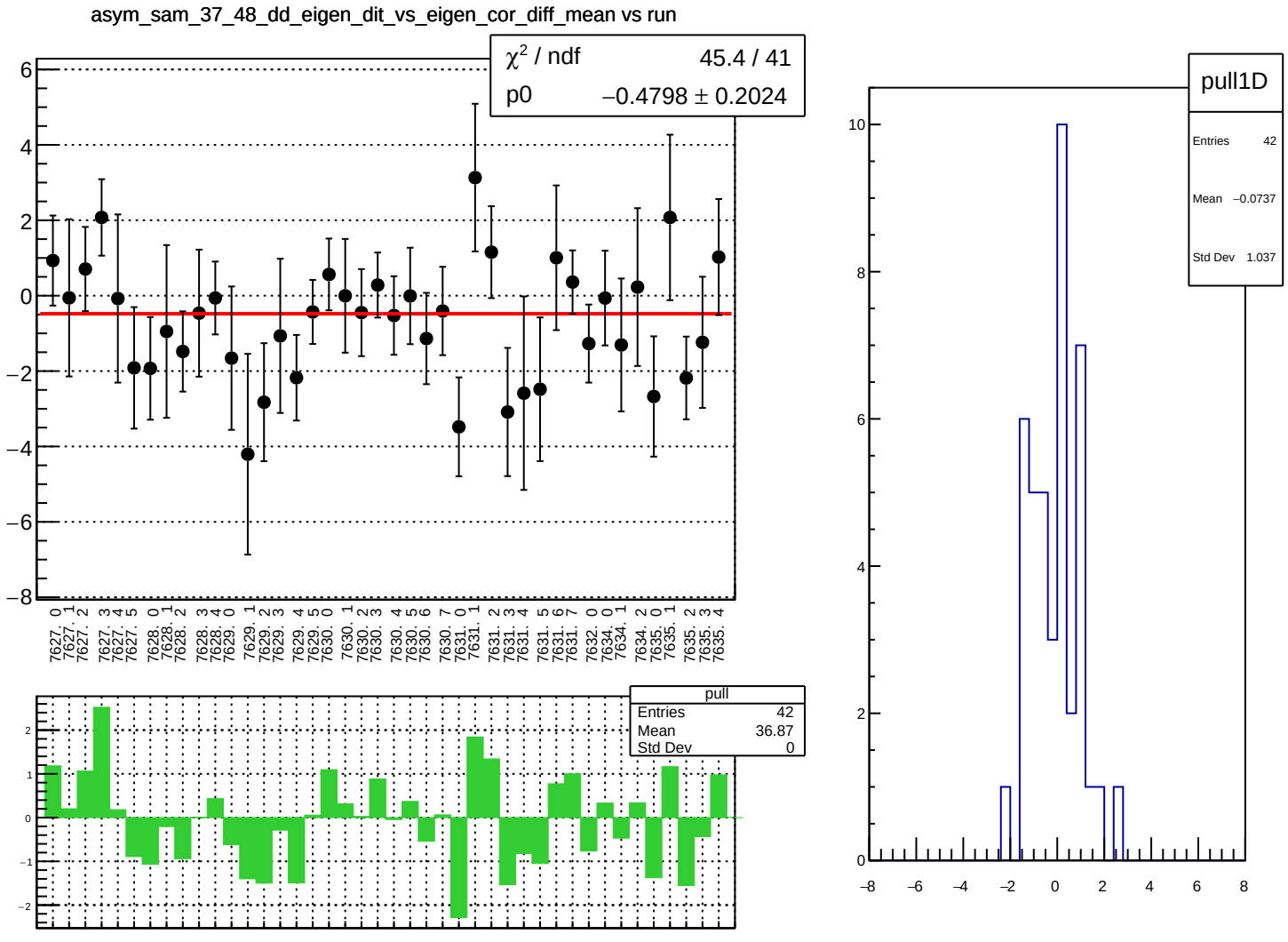

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.509e+04 / 41
p0 125 ± 0.1431
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

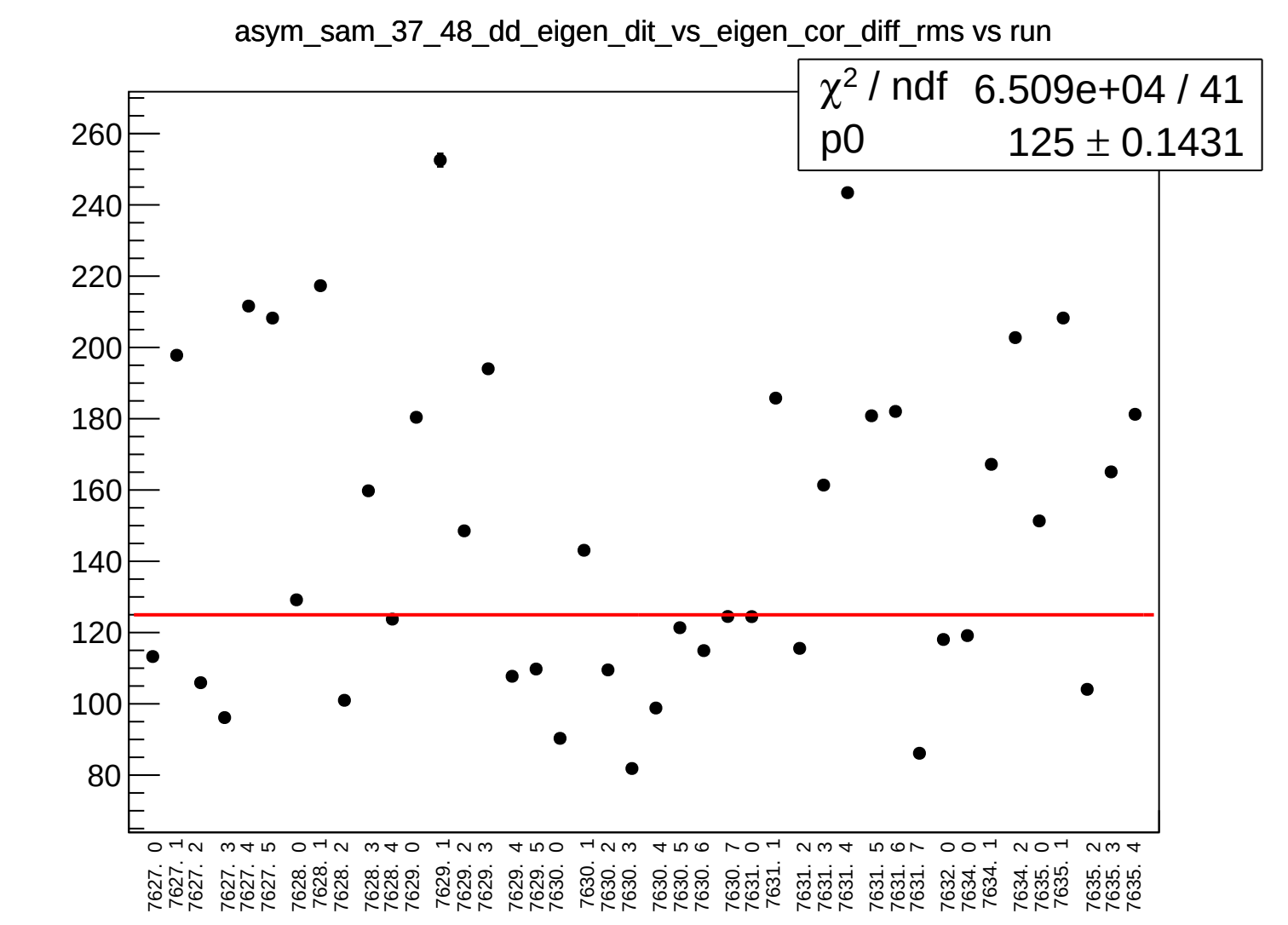

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 47.32 / 41
p0 4.656e−05 ± 2.452e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 17.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.0364
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

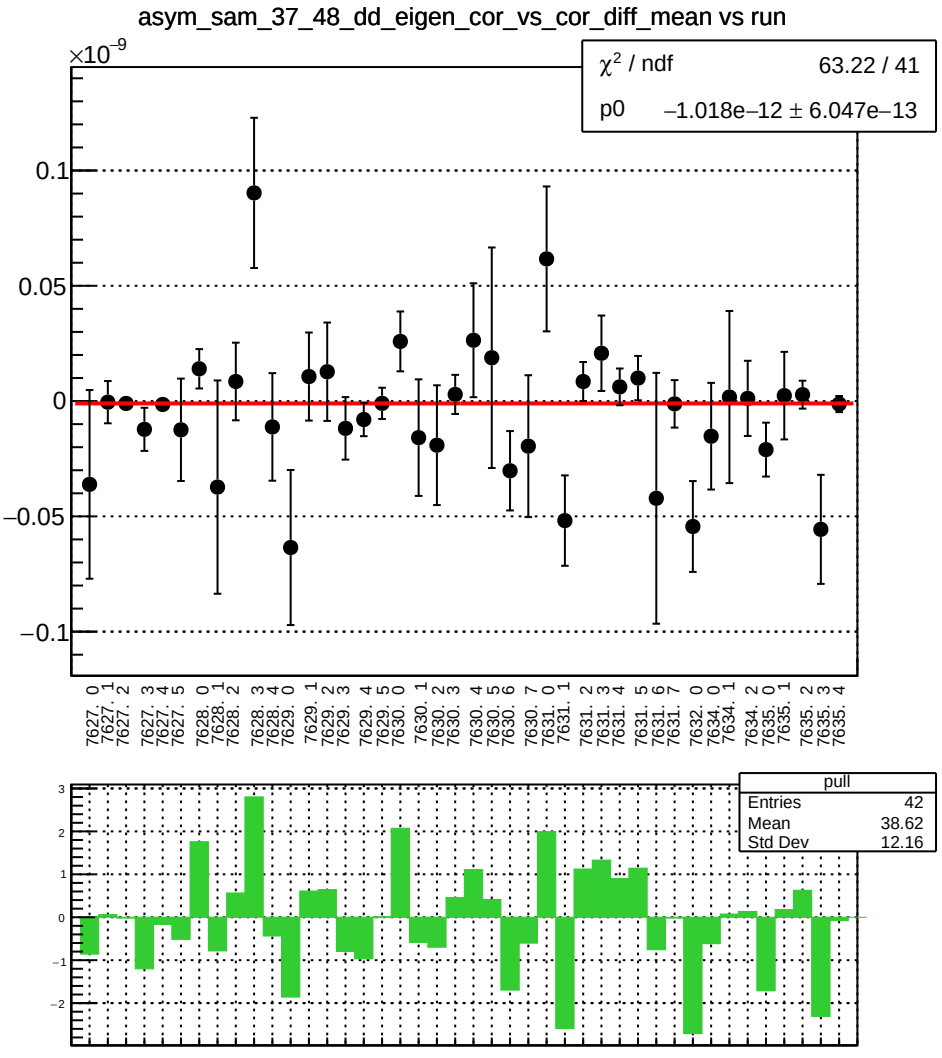

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.114e+04 / 41
p0 0.01547 ± 1.734e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

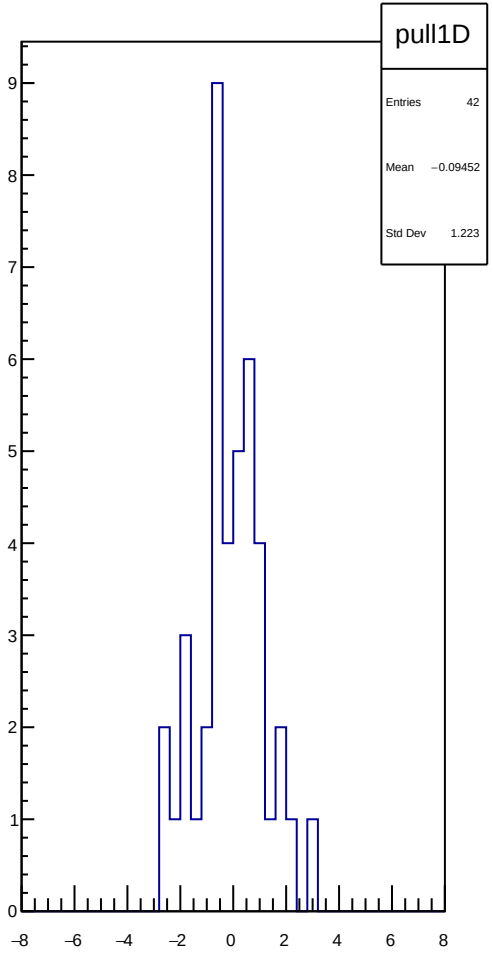

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.4 / 41
p0 −0.4798 ± 0.2024
pull
Entries 42
Mean 36.87
Std Dev 0
pull1D
Entries 42
Mean −0.0737
Std Dev 1.037

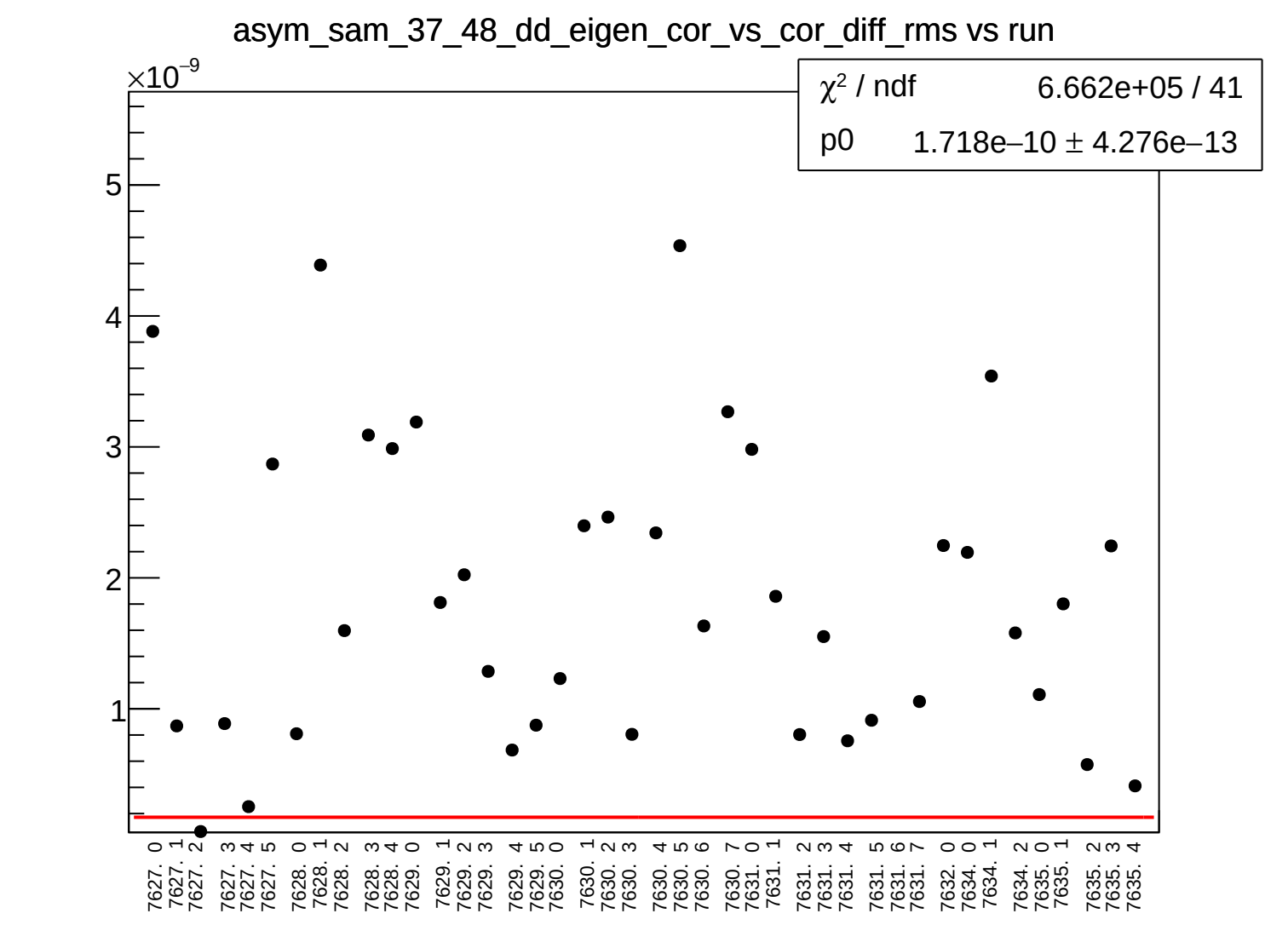

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.509e+04 / 41
p0 125 ± 0.1431
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

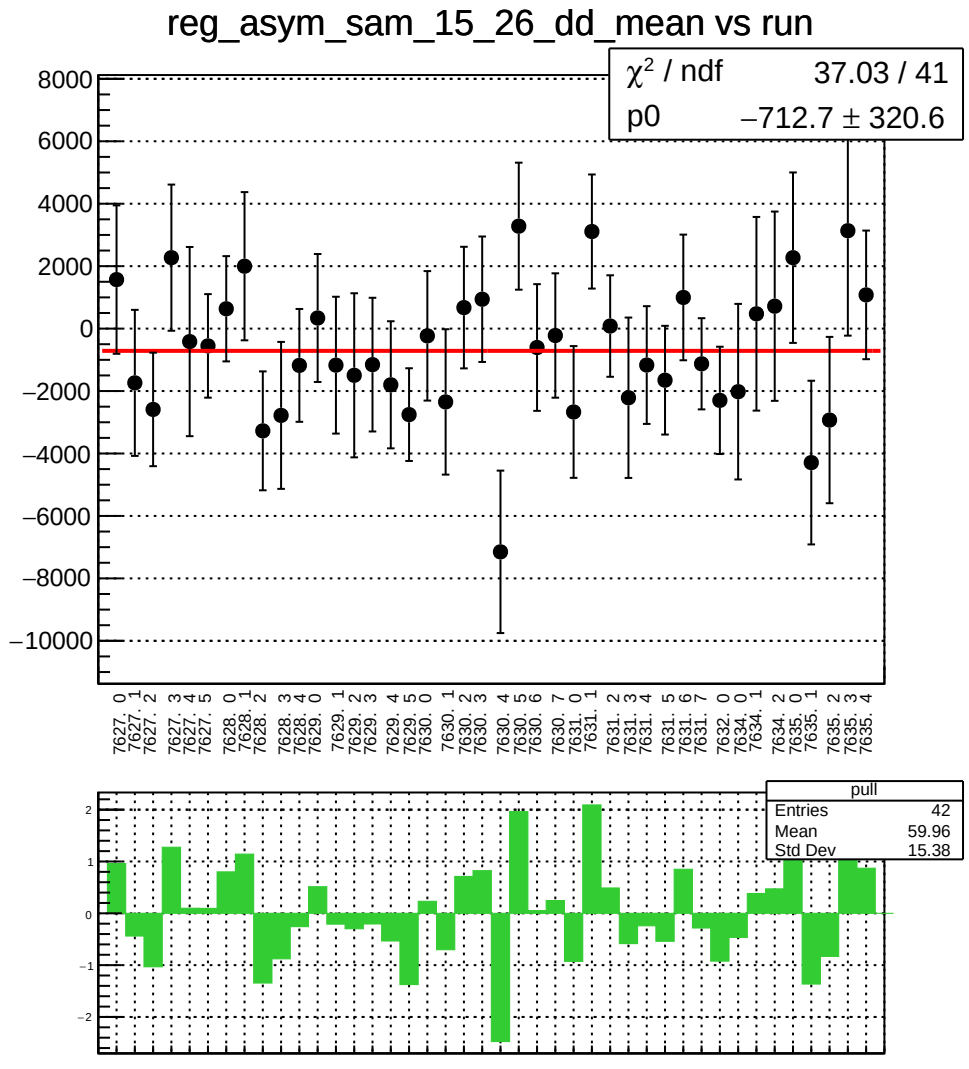

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.4 / 41
p0 −0.4798 ± 0.2024
pull
Entries 42
Mean 36.87
Std Dev 0
pull1D
Entries 42
Mean −0.0737
Std Dev 1.037

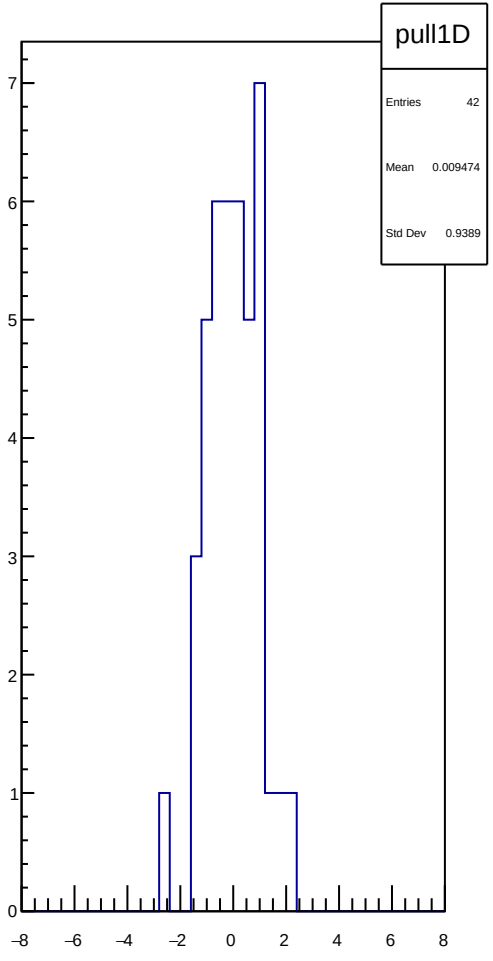

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.509e+04 / 41
p0 125 ± 0.1431
260
240
220
200
180
160
140
120
100
80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

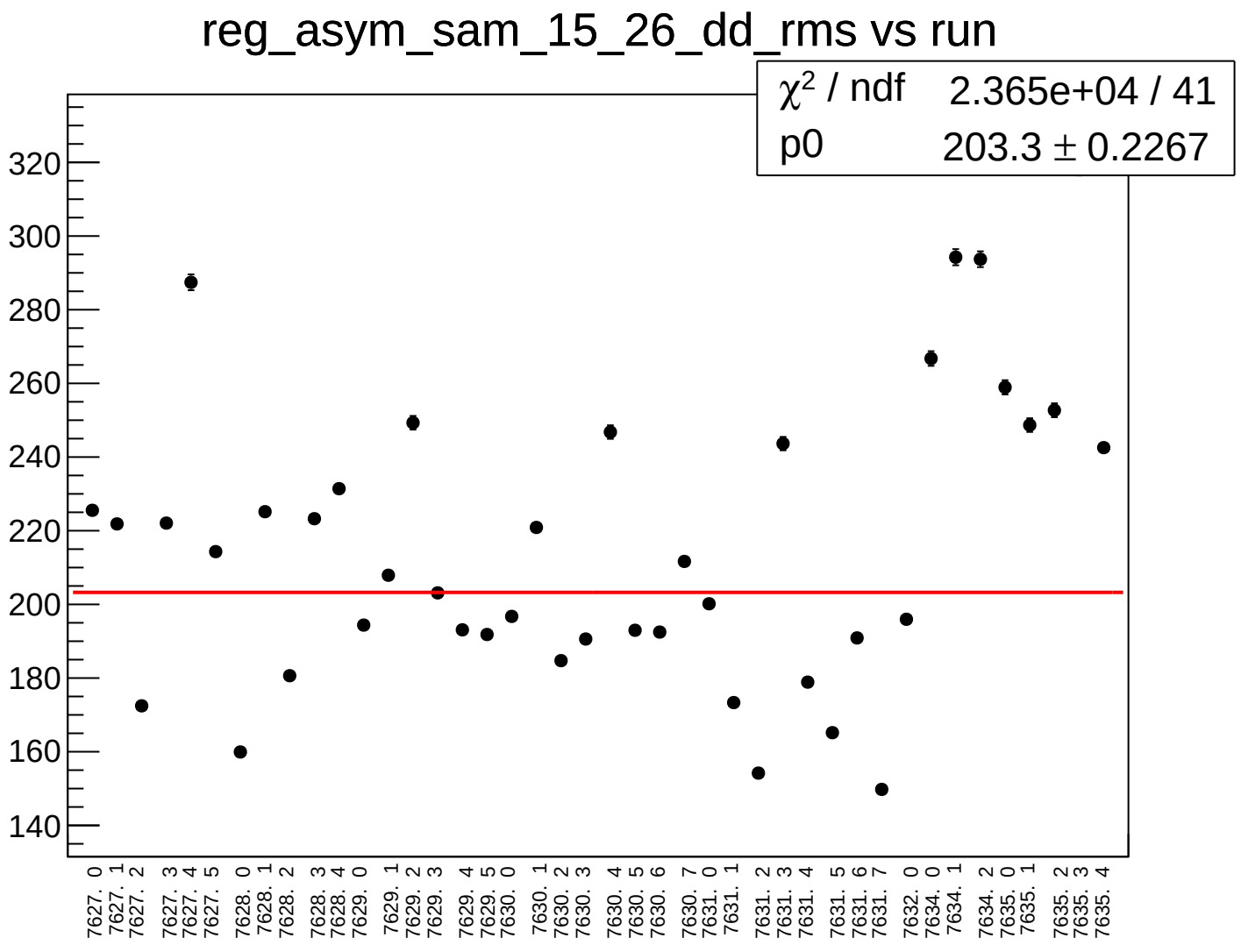

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 63.22 / 41
p0 −1.018e−12 ± 6.047e−13
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 38.62
Std Dev 12.16
3
2
1
0
−1
−2

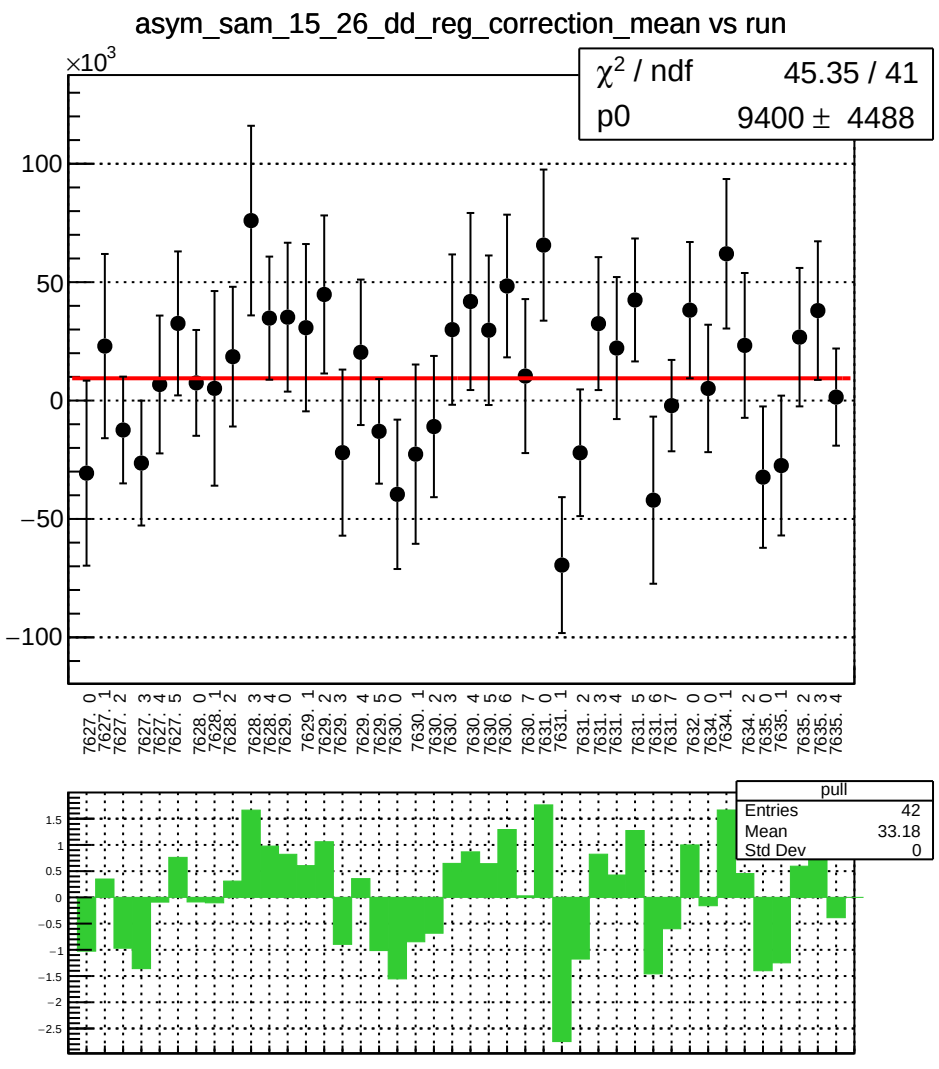

pull1D
Entries 42
Mean −0.09452
Std Dev 1.223
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

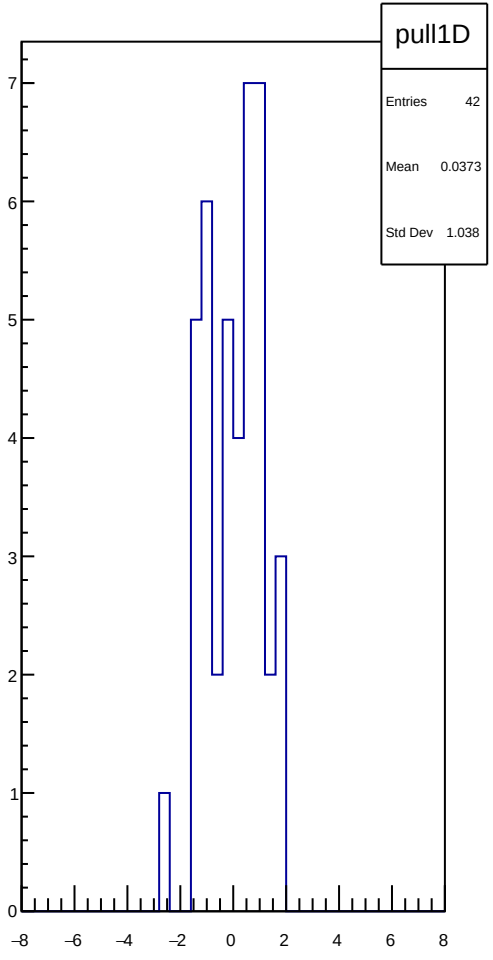

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.662e+05 / 41
p0 1.718e−10 ± 4.276e−13
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

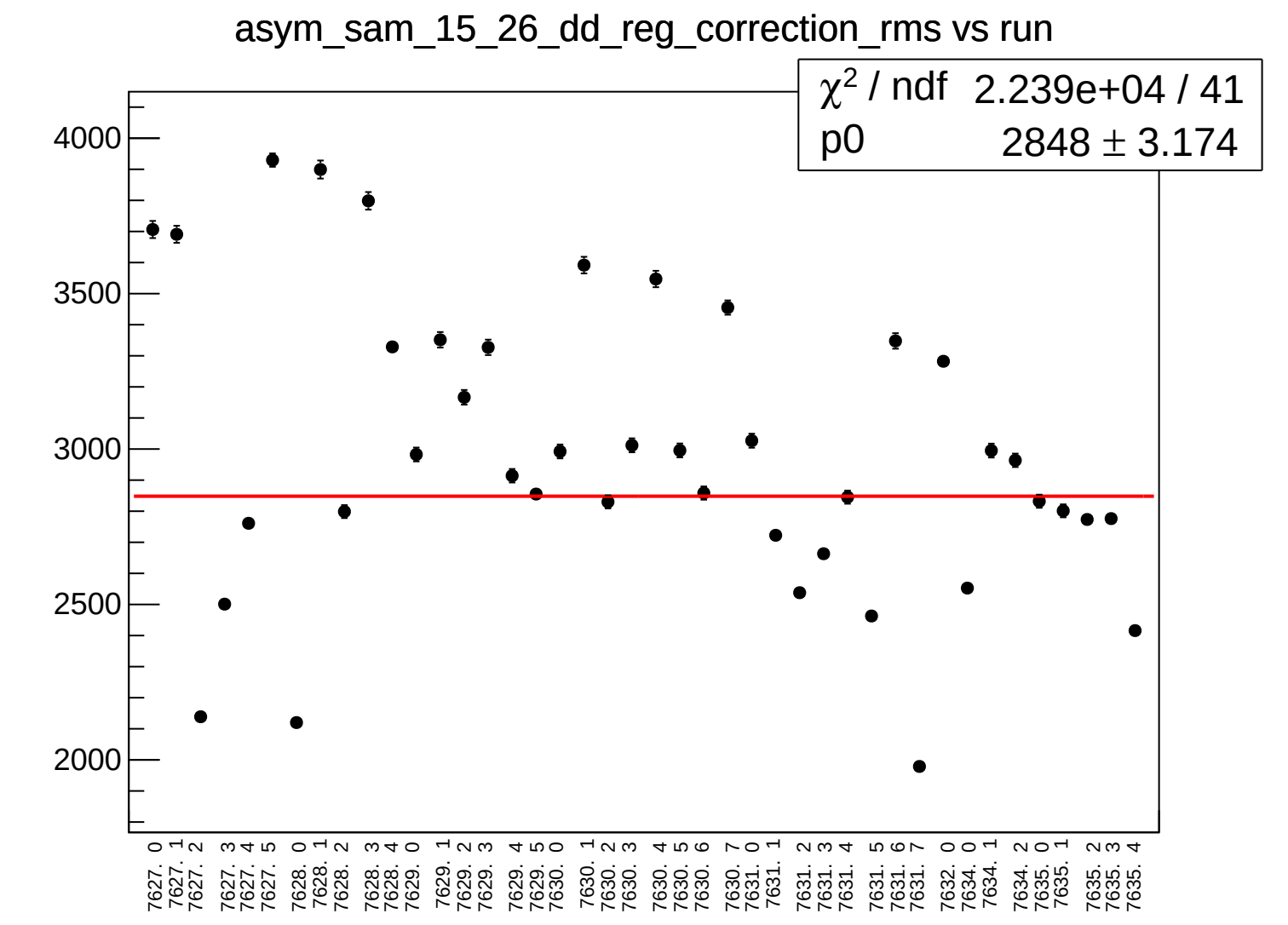

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 37.03 / 41
p0 −712.7 ± 320.6
pull
Entries 42
Mean 59.96
Std Dev 15.38

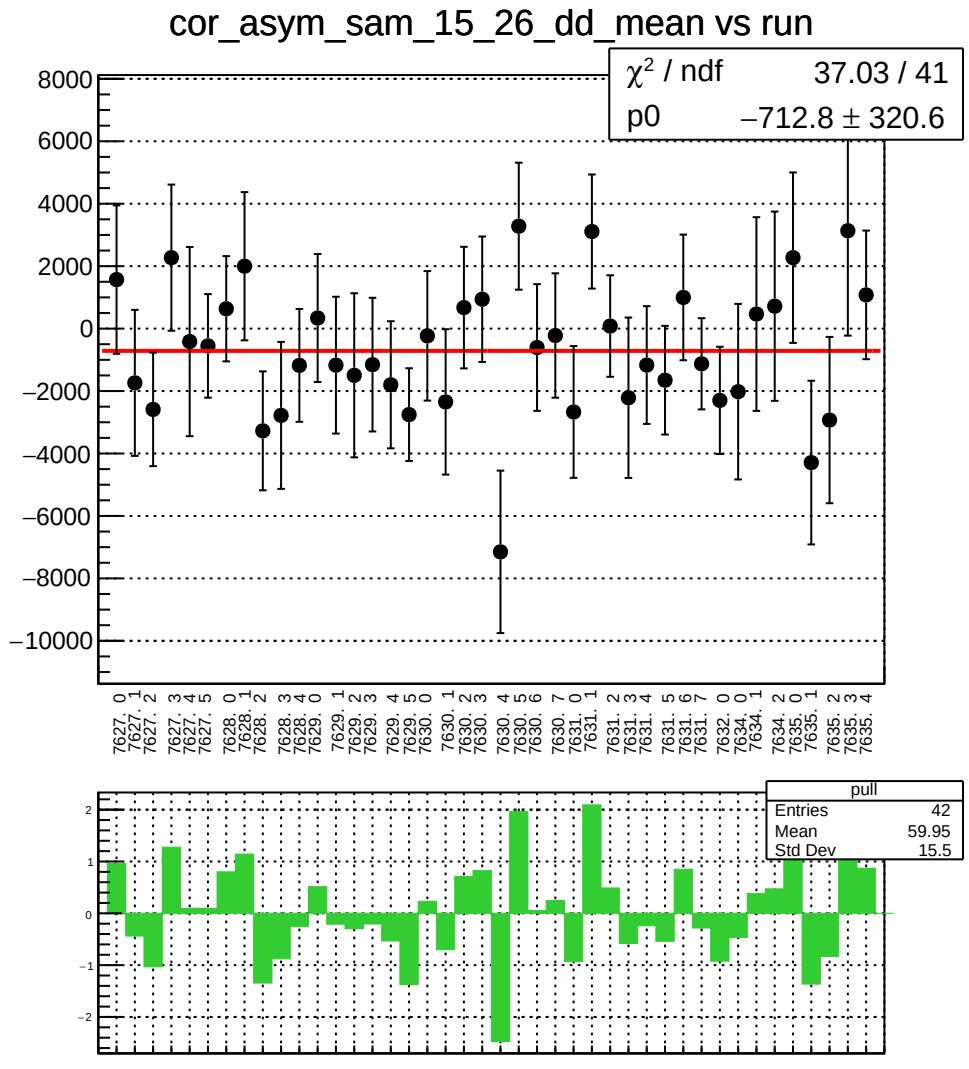

pull1D
Entries 42
Mean 0.009474
Std Dev 0.9389

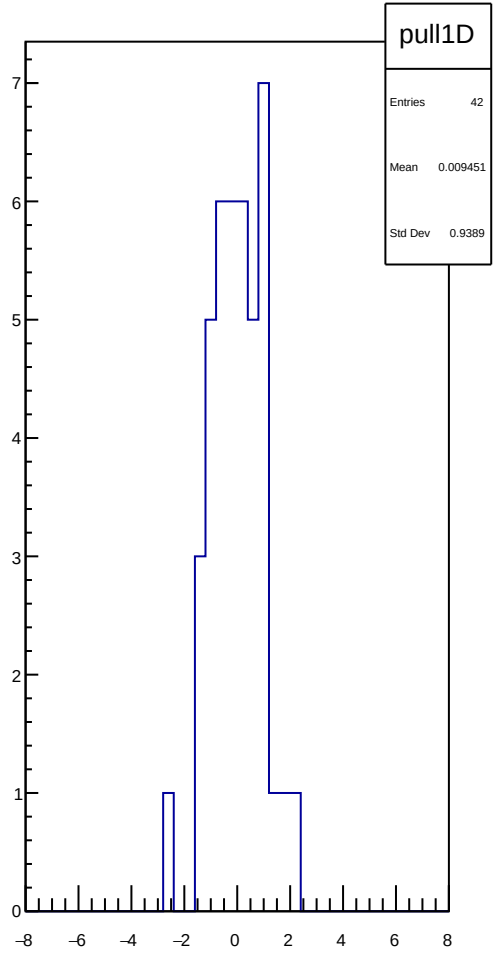

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.365e+04 / 41
p0 203.3 ± 0.2267
320
300
280
260
240
220
200
180
160
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

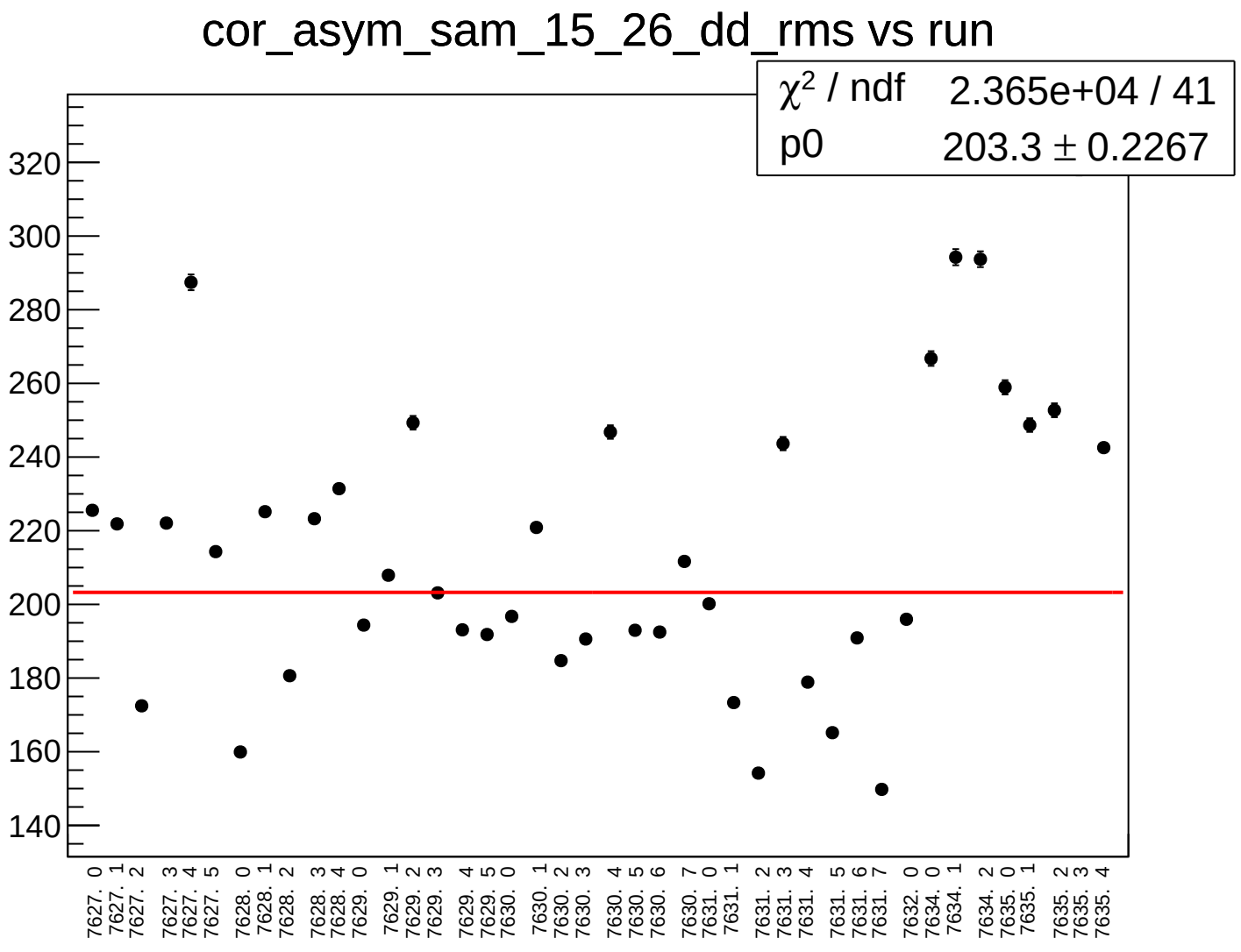

asym_sam_15_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 45.35 / 41
p0 9400 ± 4488
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.18
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

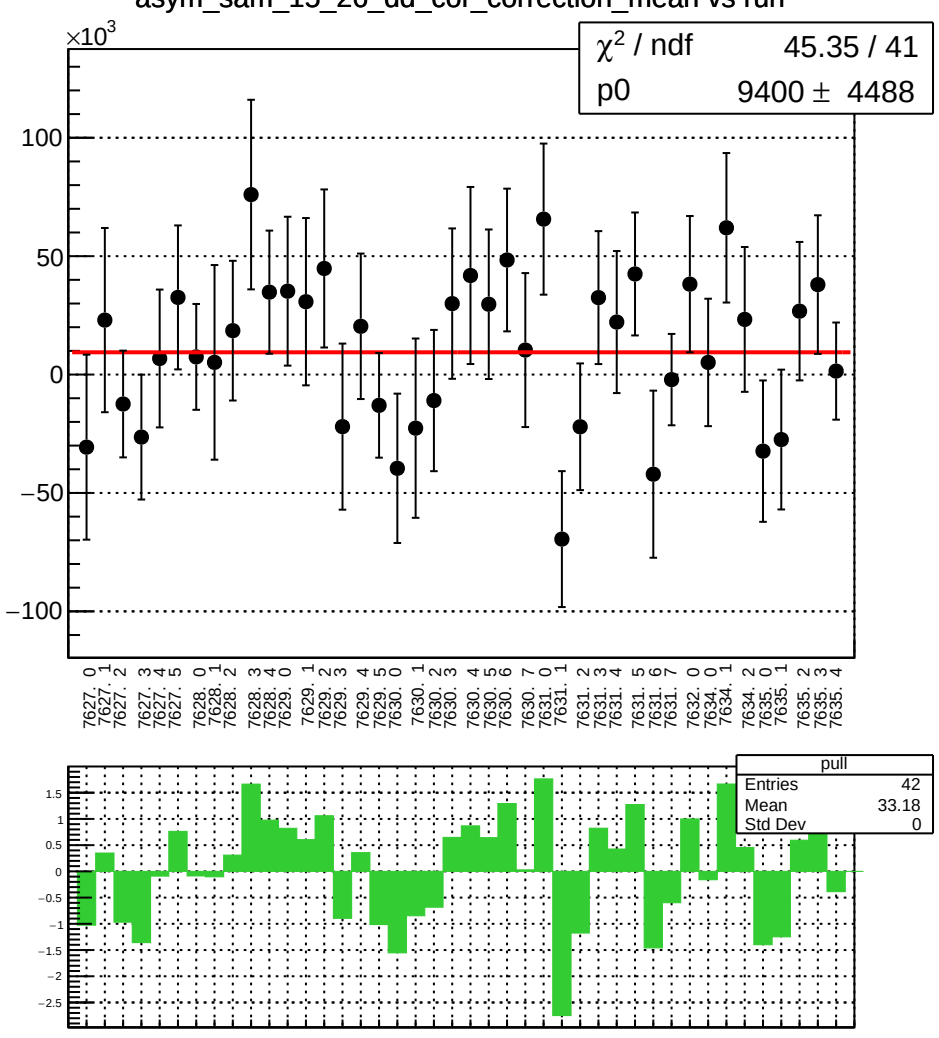

pull1D
Entries 42
Mean 0.0373
Std Dev 1.038
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 2.239e+04 / 41
p0 2848 ± 3.174
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 37.03 / 41
p0 −712.8 ± 320.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 59.95
Std Dev 15.5
2
1
0
−1
−2


pull1D
Entries 42
Mean 0.009451
Std Dev 0.9389
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 2.365e+04 / 41
p0 203.3 ± 0.2267
320
300
280
260
240
220
200
180
160
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_15_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 45.35 / 41
p0 9400 ± 4488
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
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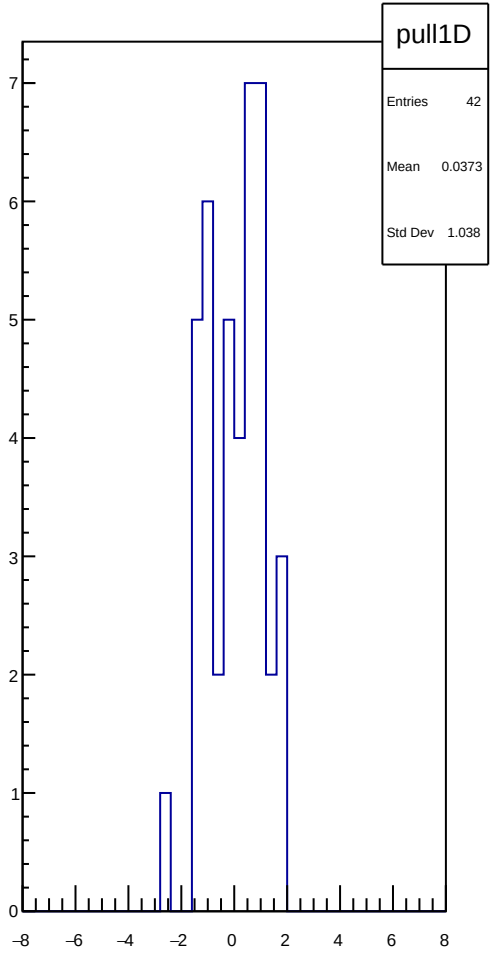
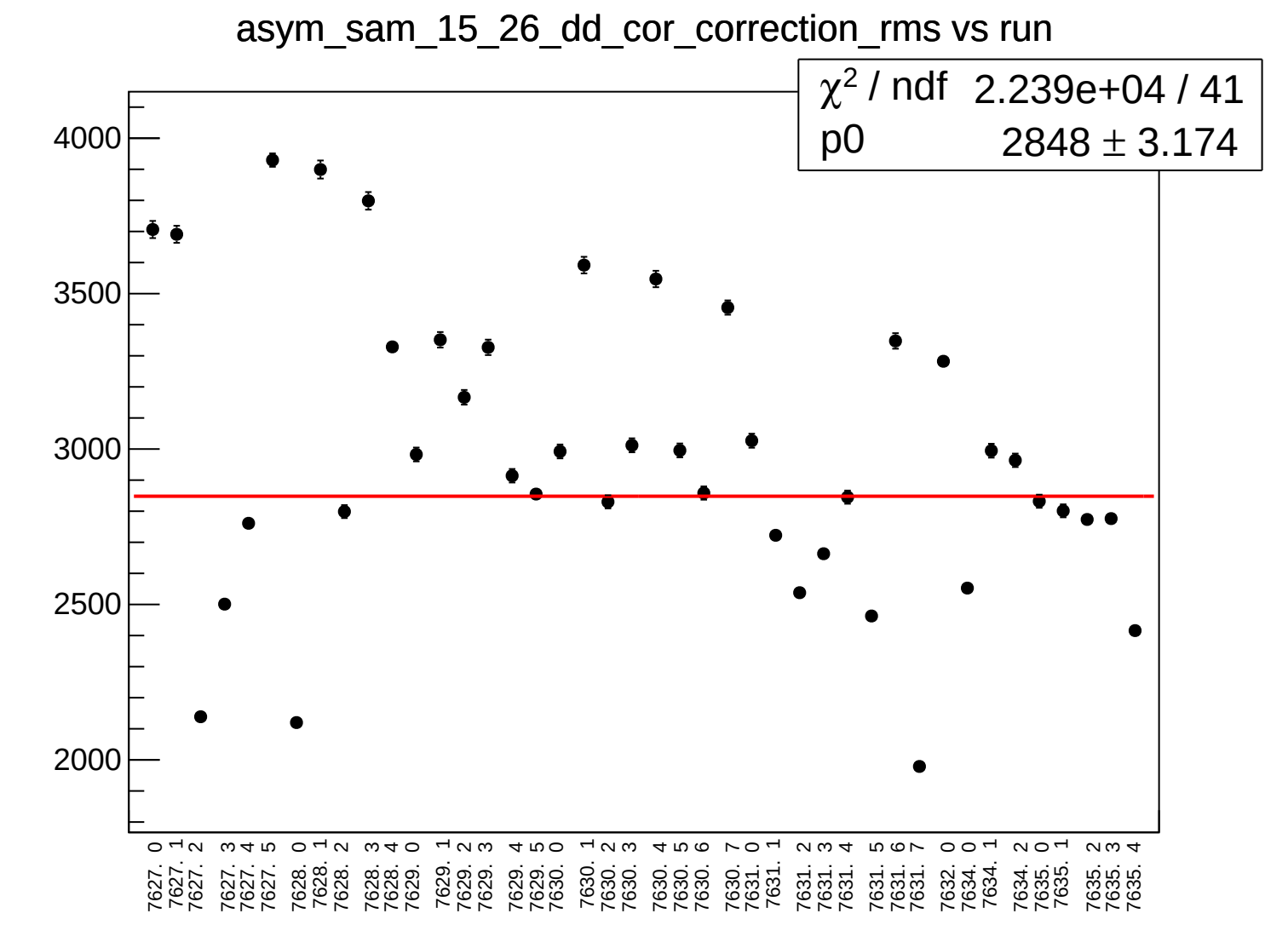
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.18
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.0373
Std Dev 1.038
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 2.239e+04 / 41
p0 2848 ± 3.174
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
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7628. 3
7628. 4
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7629. 2
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7629. 4
7629. 5
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7630. 2
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7630. 5
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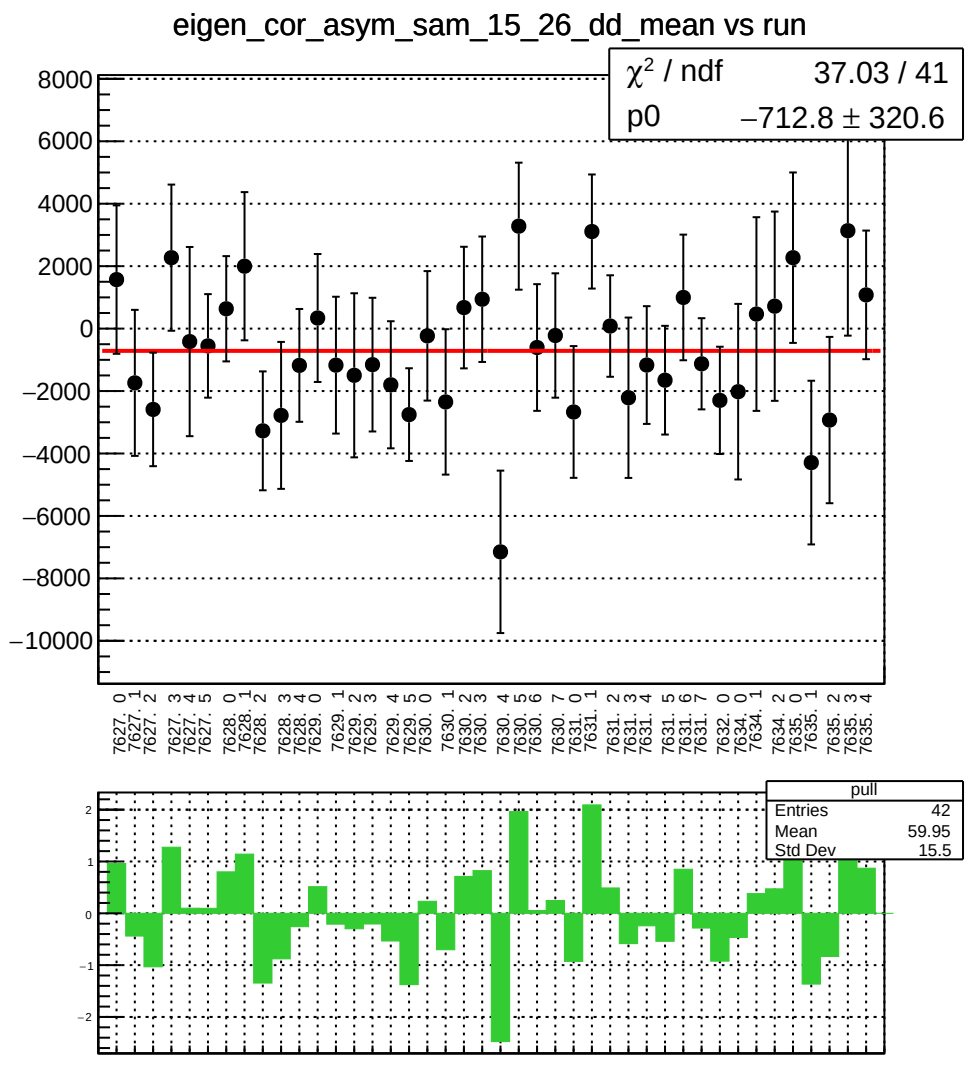
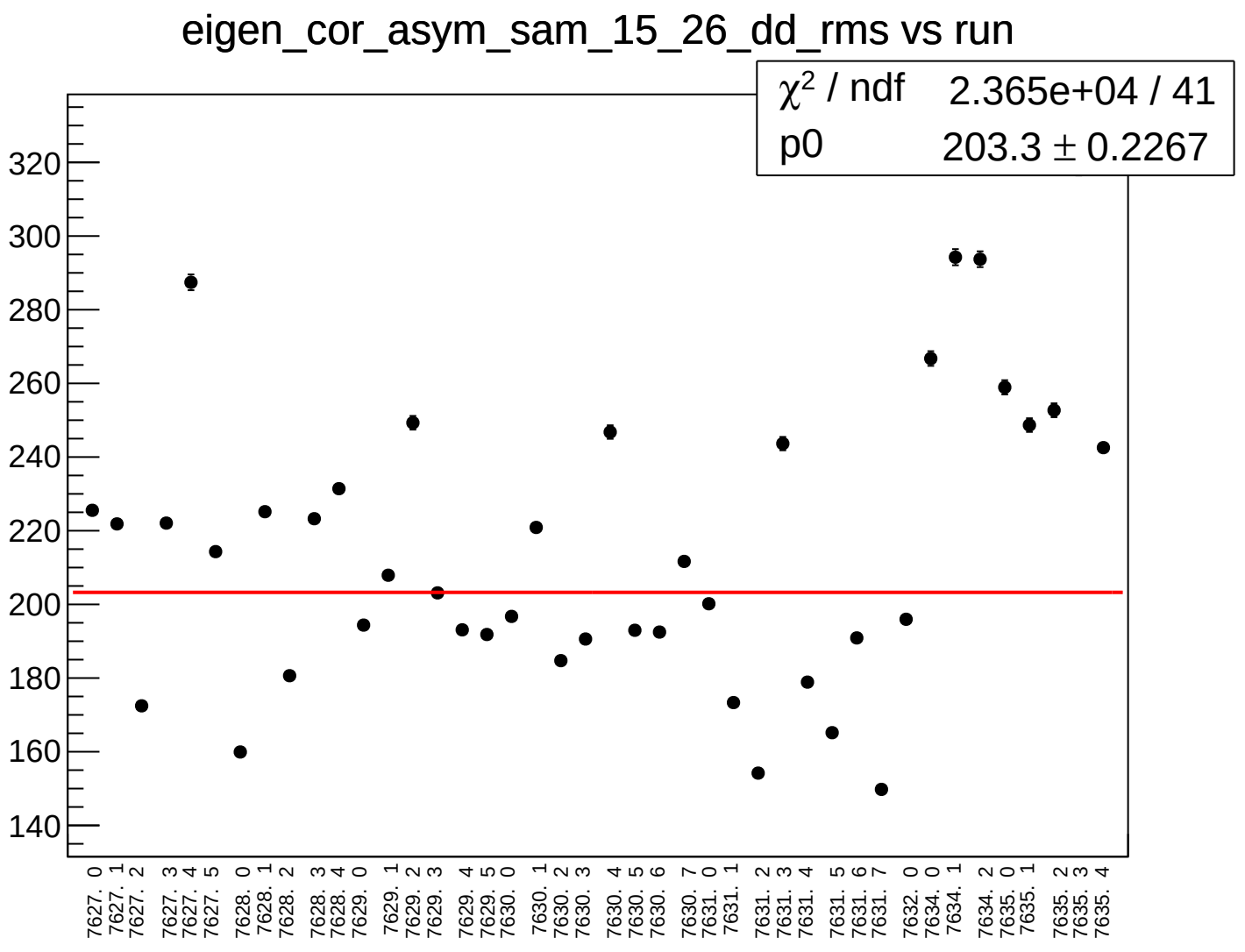
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 37.03 / 41
p0 −712.8 ± 320.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 59.95
Std Dev 15.5
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.009451
Std Dev 0.9389
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 2.365e+04 / 41
p0 203.3 ± 0.2267
320
300
280
260
240
220
200
180
160
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
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7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
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7634. 1
7634. 2
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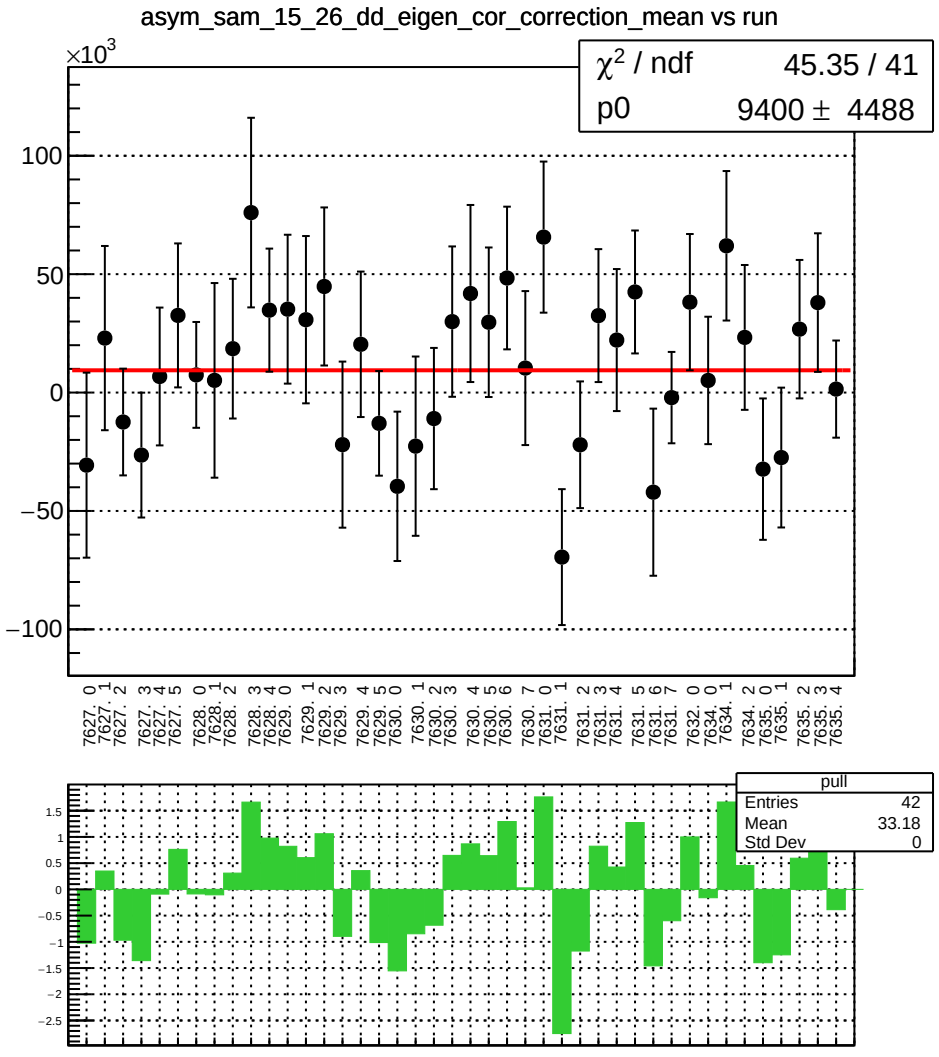
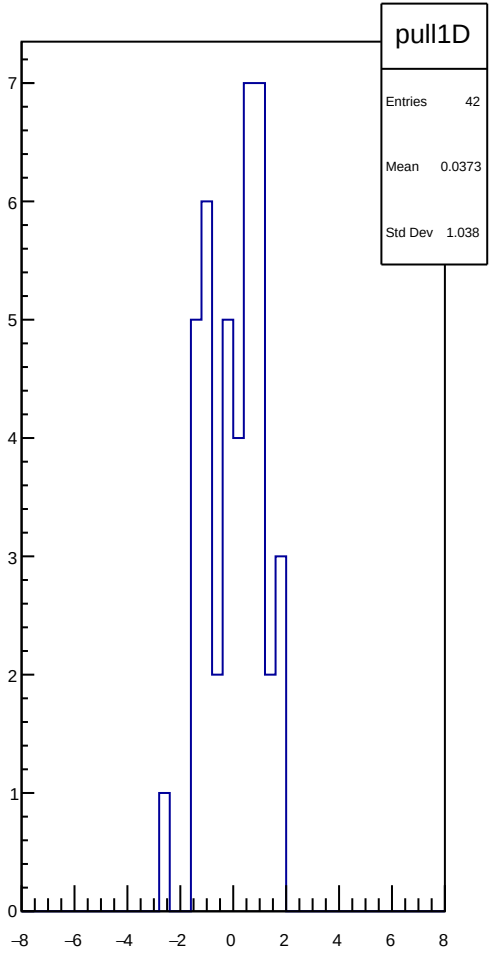
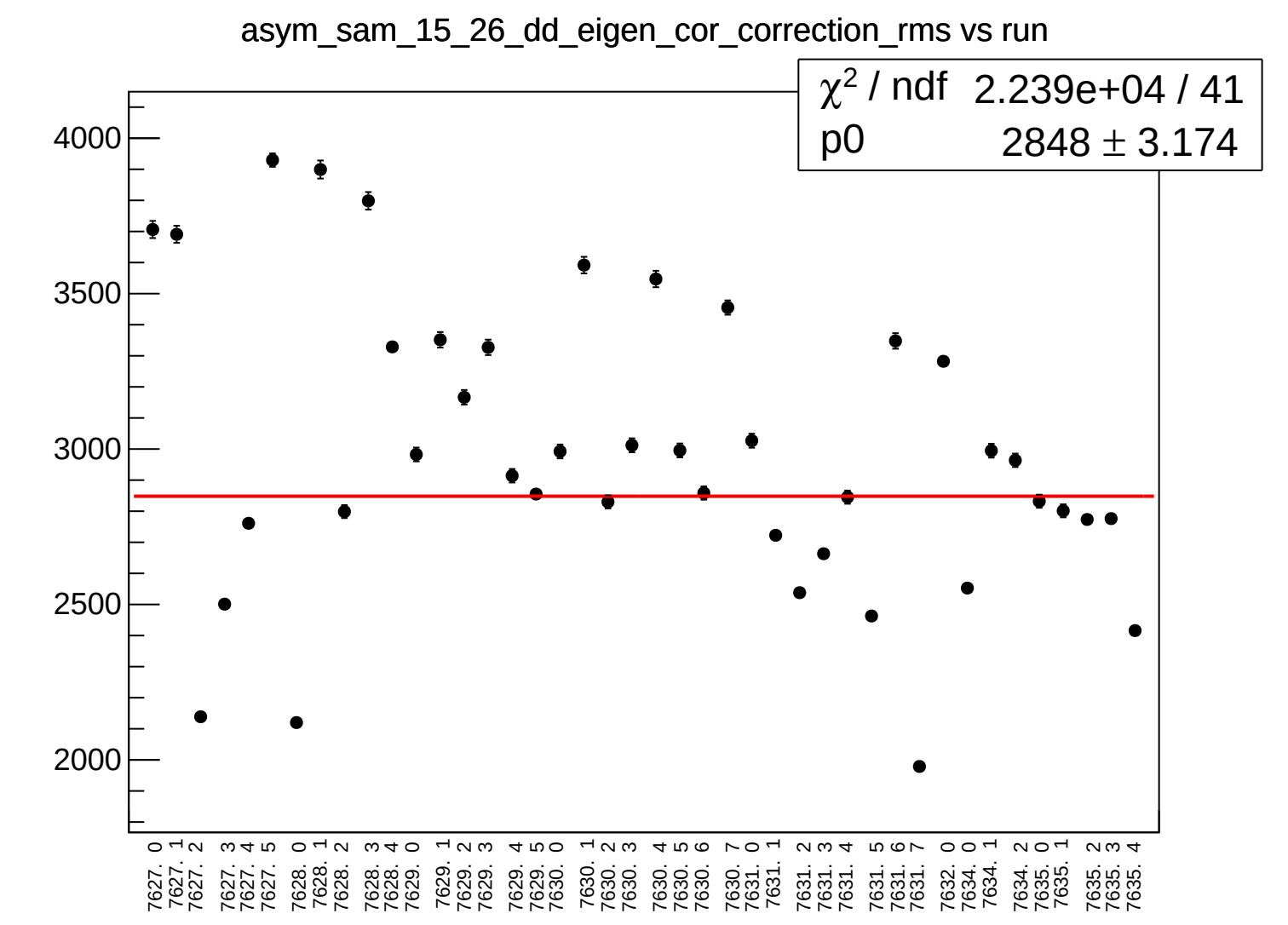
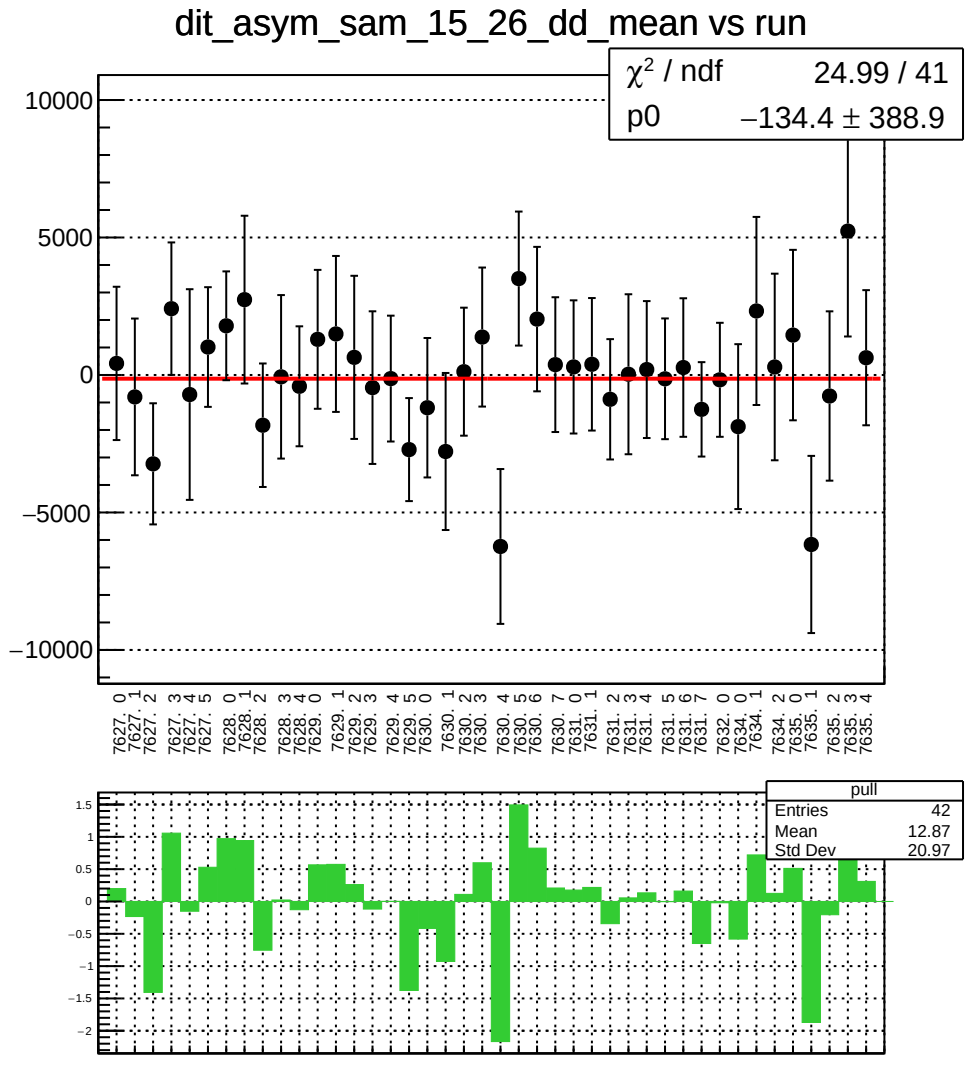
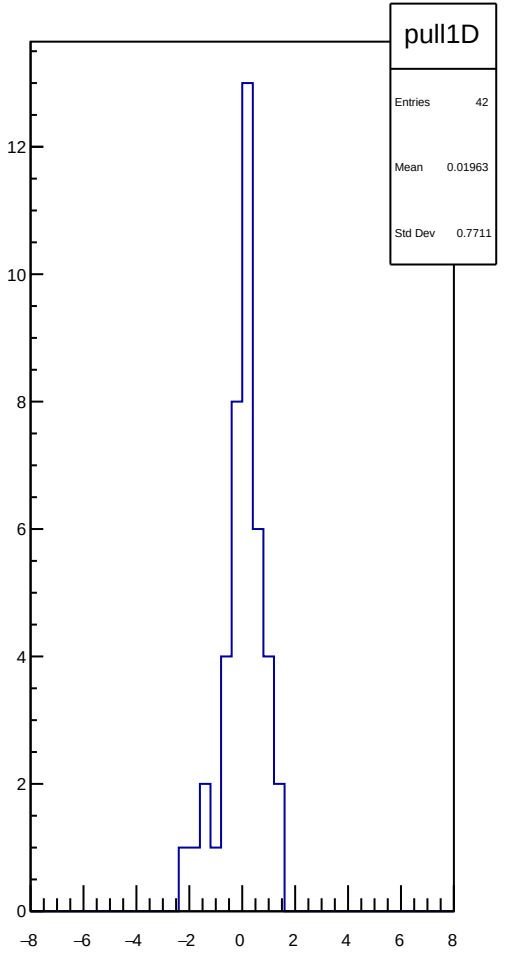
7635. 2
7635. 3
7635. 4

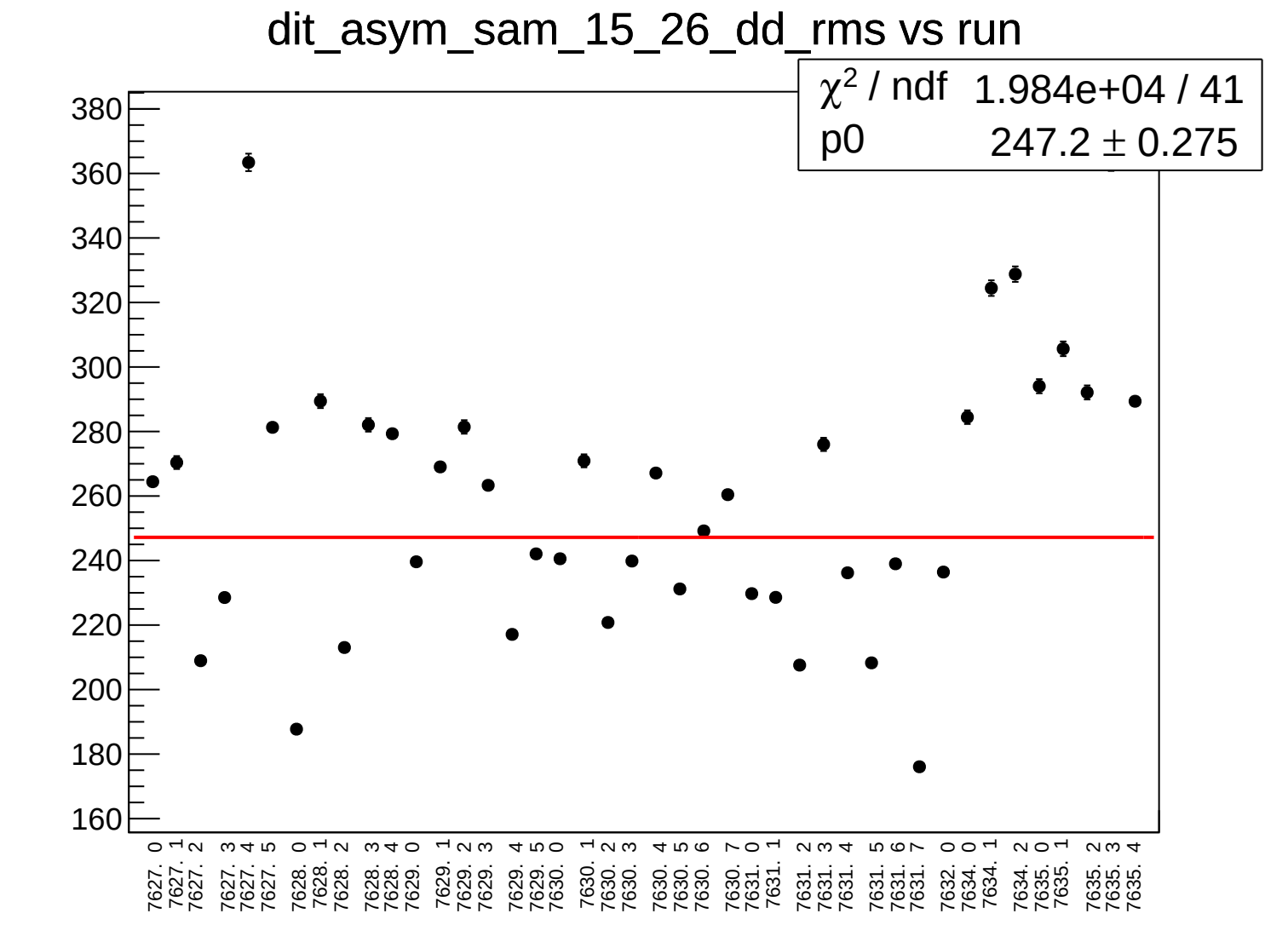

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 45.35 / 41
p0 9400 ± 4488
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.18
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

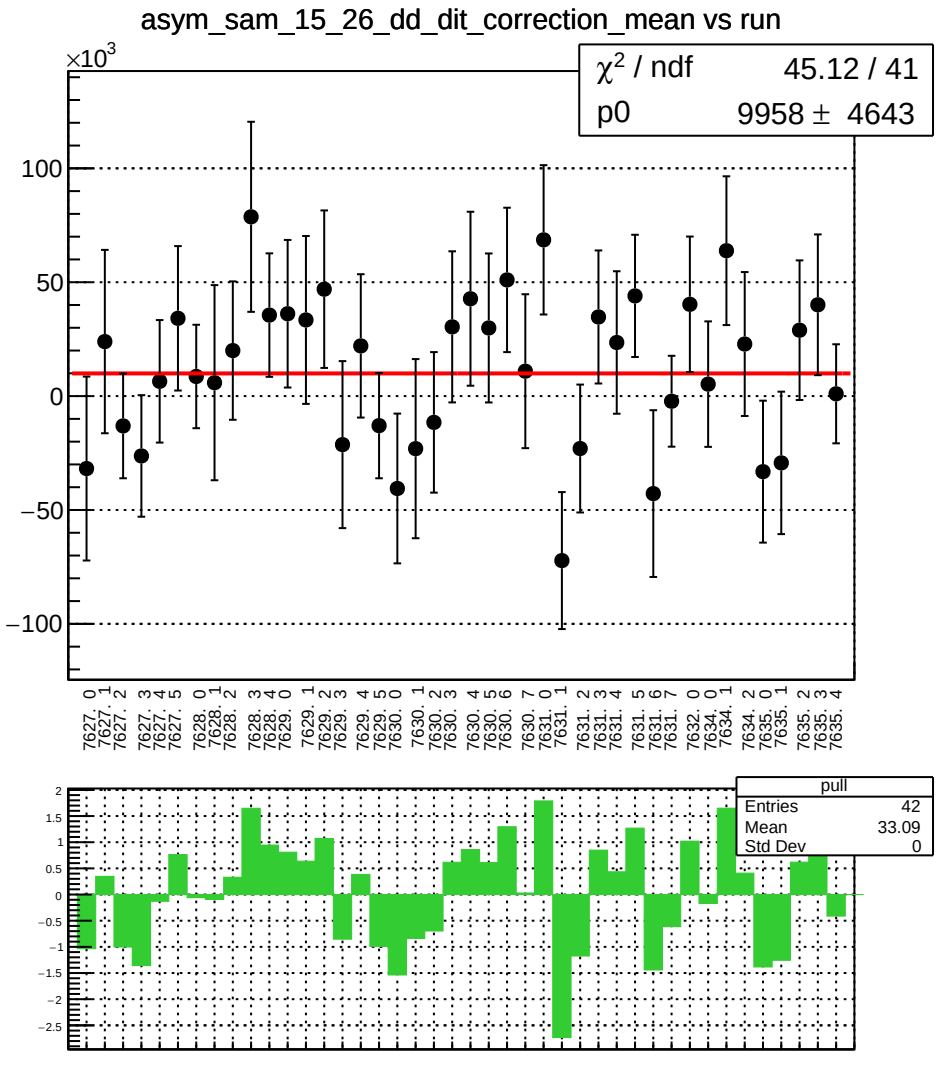

pull1D
Entries 42
Mean 0.0373
Std Dev 1.038
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

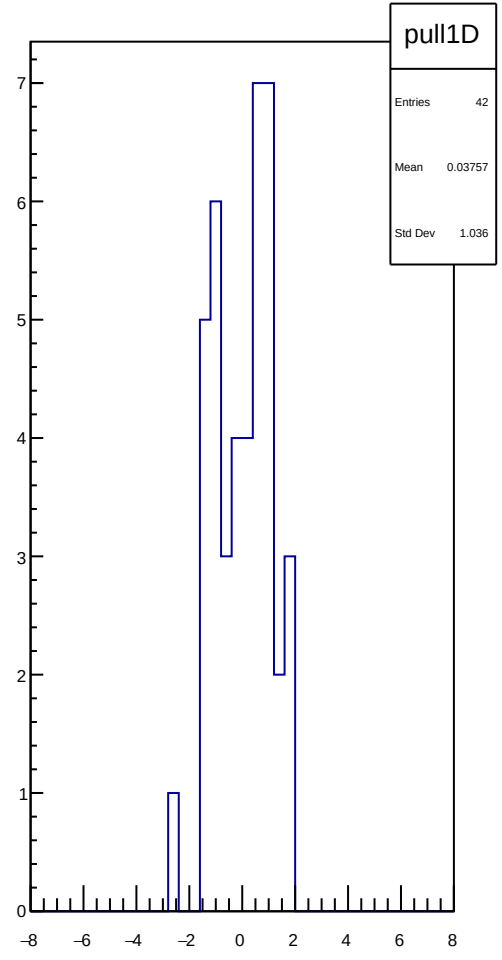

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.239e+04 / 41
p0 2848 ± 3.174
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

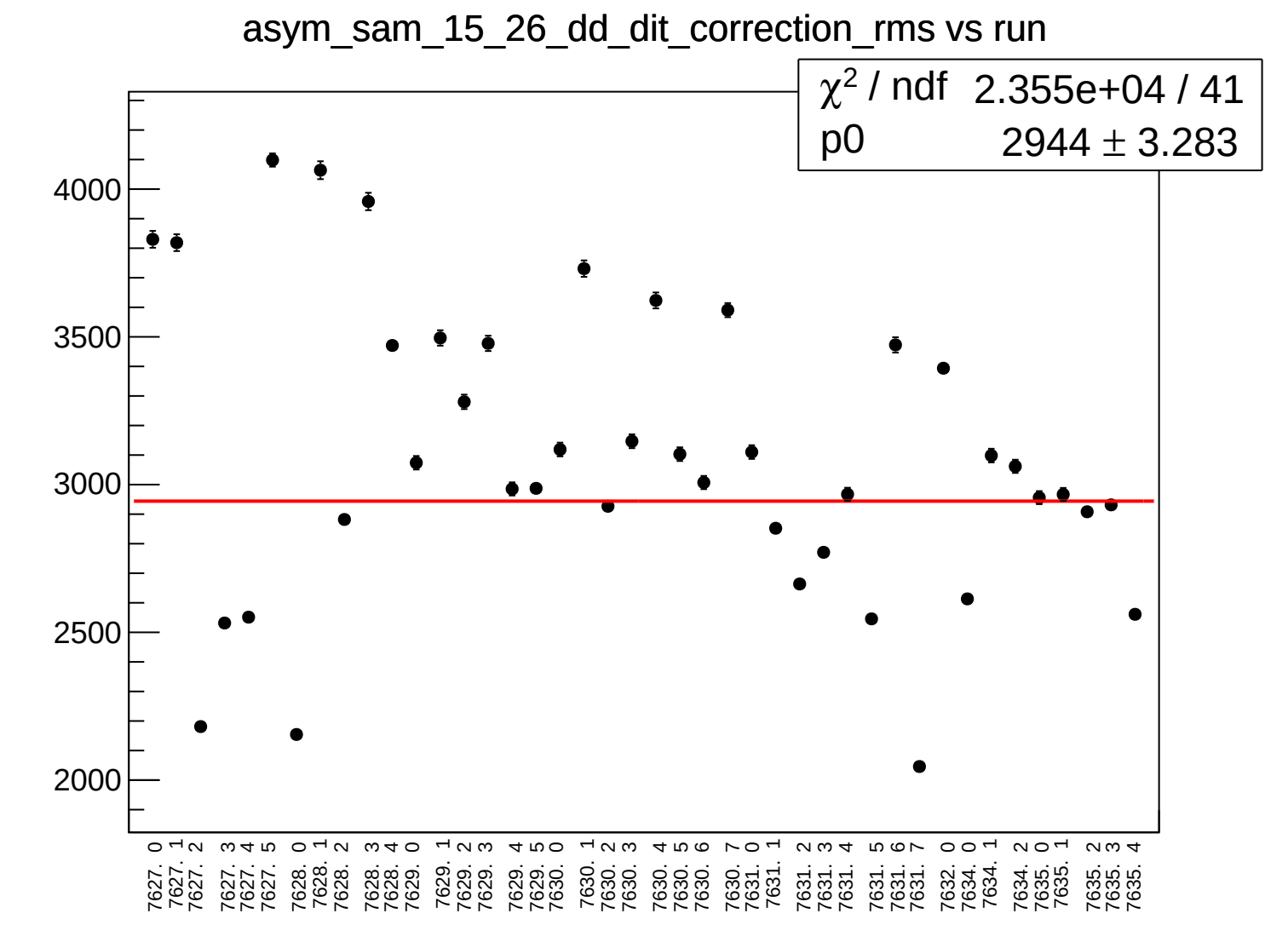

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 24.99 / 41
p0 −134.4 ± 388.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.87
Std Dev 20.97
1.5
1
0.5
0
−0.5
−1
−1.5
−2

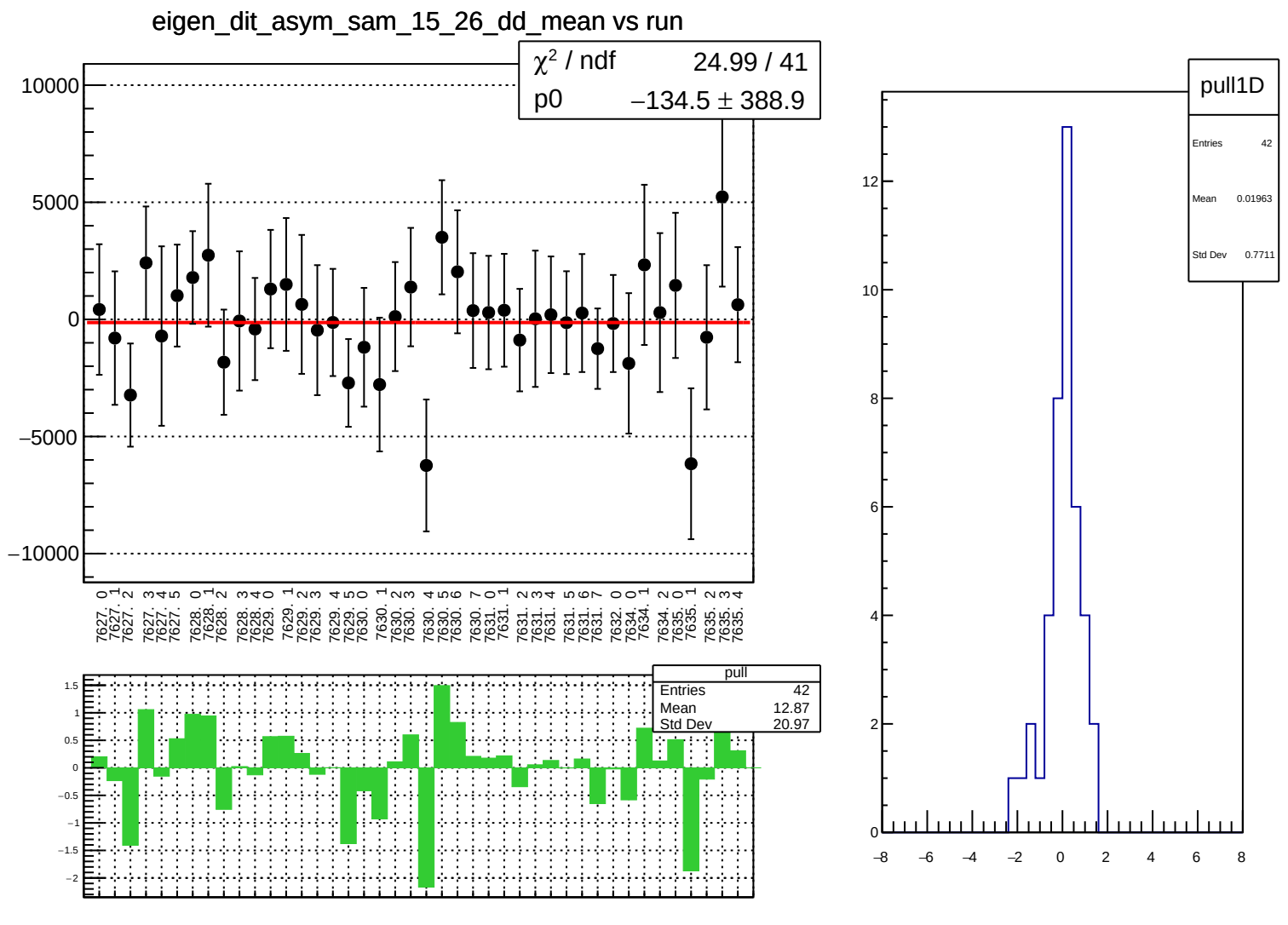

pull1D
Entries 42
Mean 0.01963
Std Dev 0.7711
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

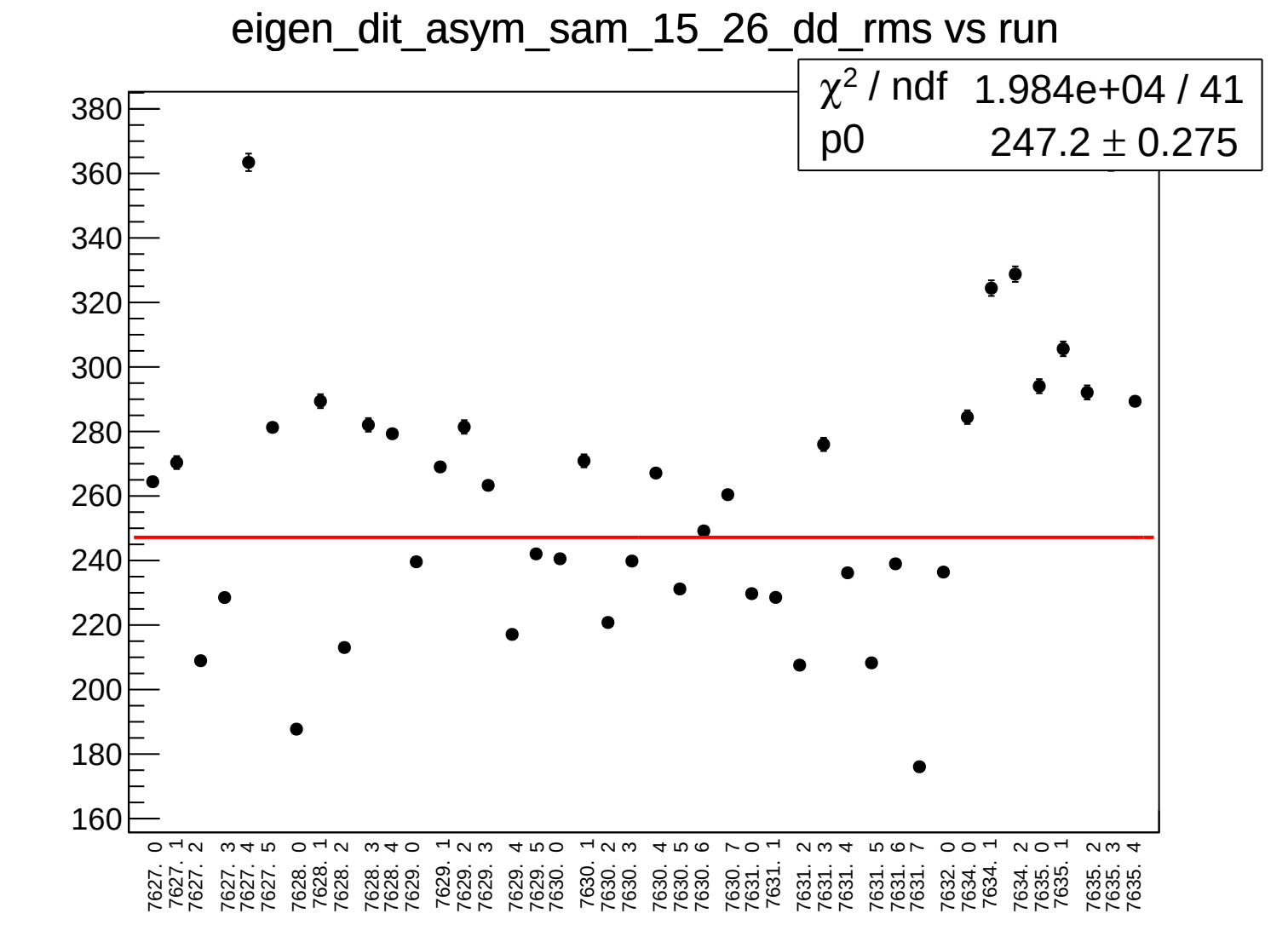

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.984e+04 / 41
p0 247.2 ± 0.275
380
360
340
320
300
280
260
240
220
200
180
160
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

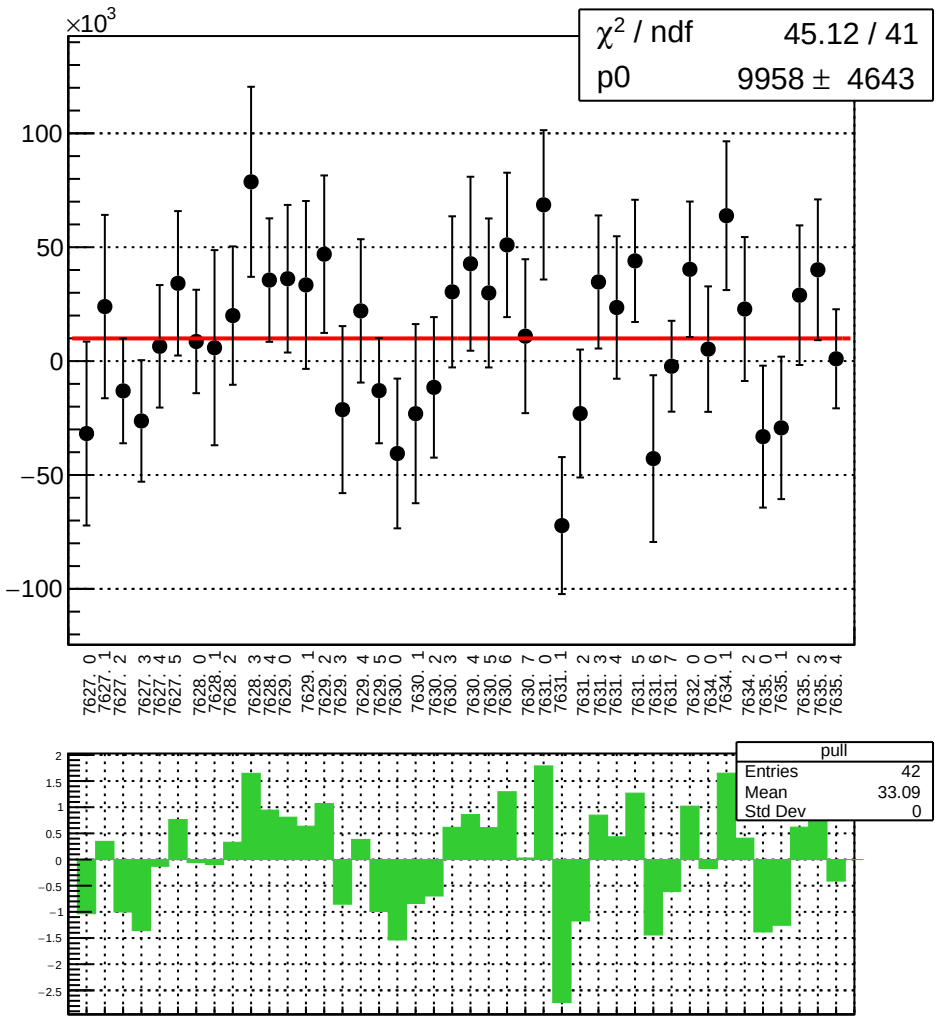

asym_sam_15_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 45.12 / 41
p0 9958 ± 4643
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

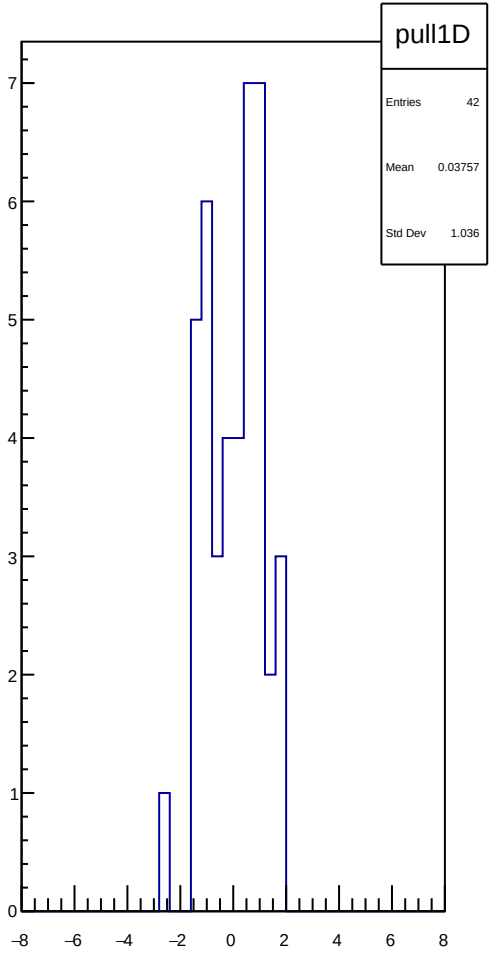

pull1D
Entries 42
Mean 0.03757
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

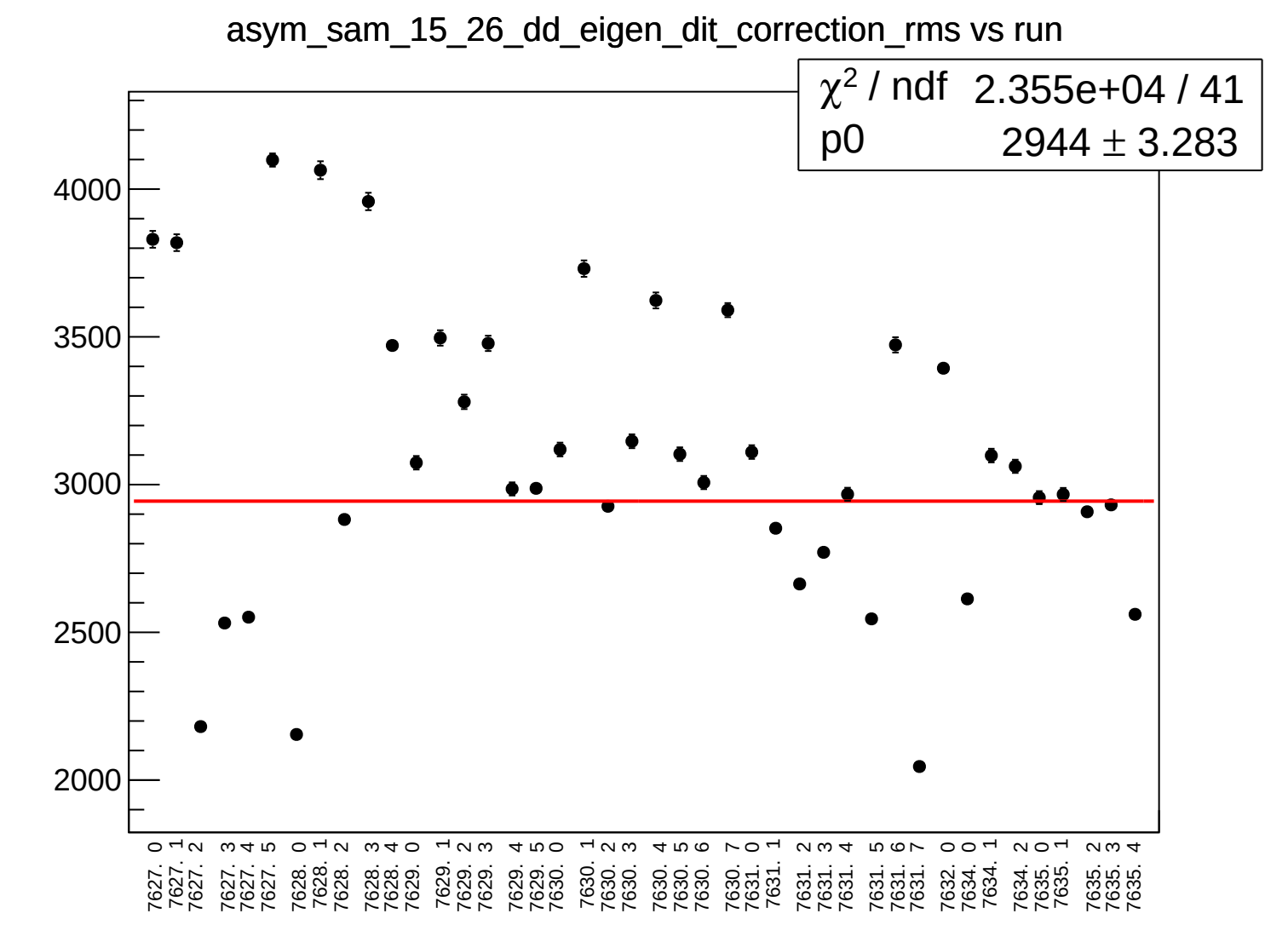

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 2.355e+04 / 41
p0 2944 ± 3.283
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

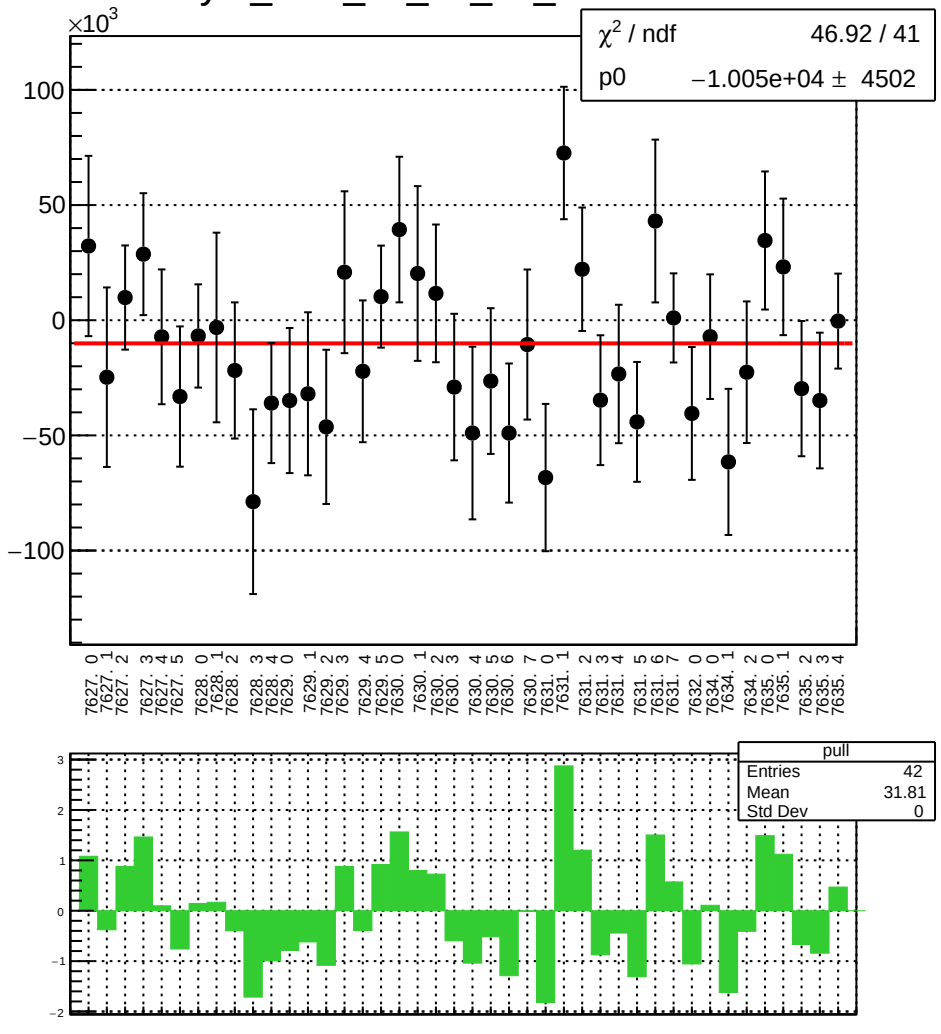

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 24.99 / 41
p0 −134.5 ± 388.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.87
Std Dev 20.97
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01963
Std Dev 0.7711
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

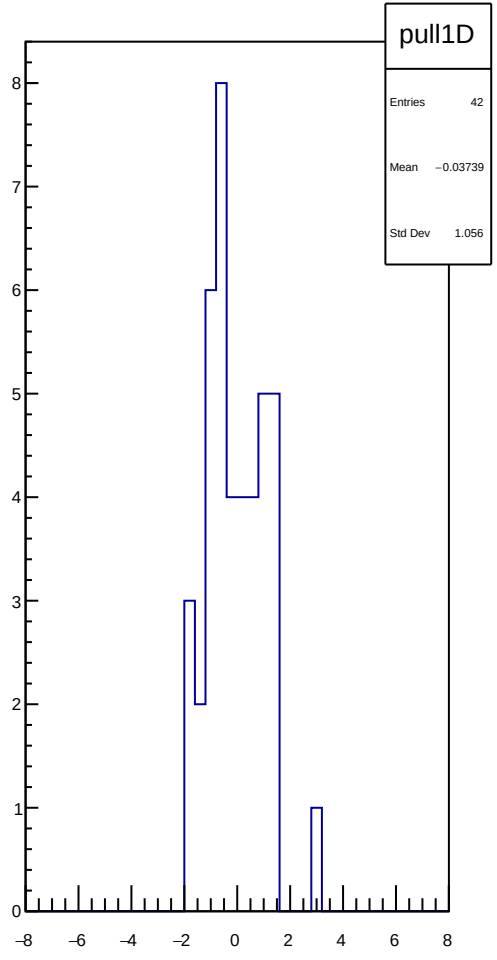

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.984e+04 / 41
p0 247.2 ± 0.275
380
360
340
320
300
280
260
240
220
200
180
160
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

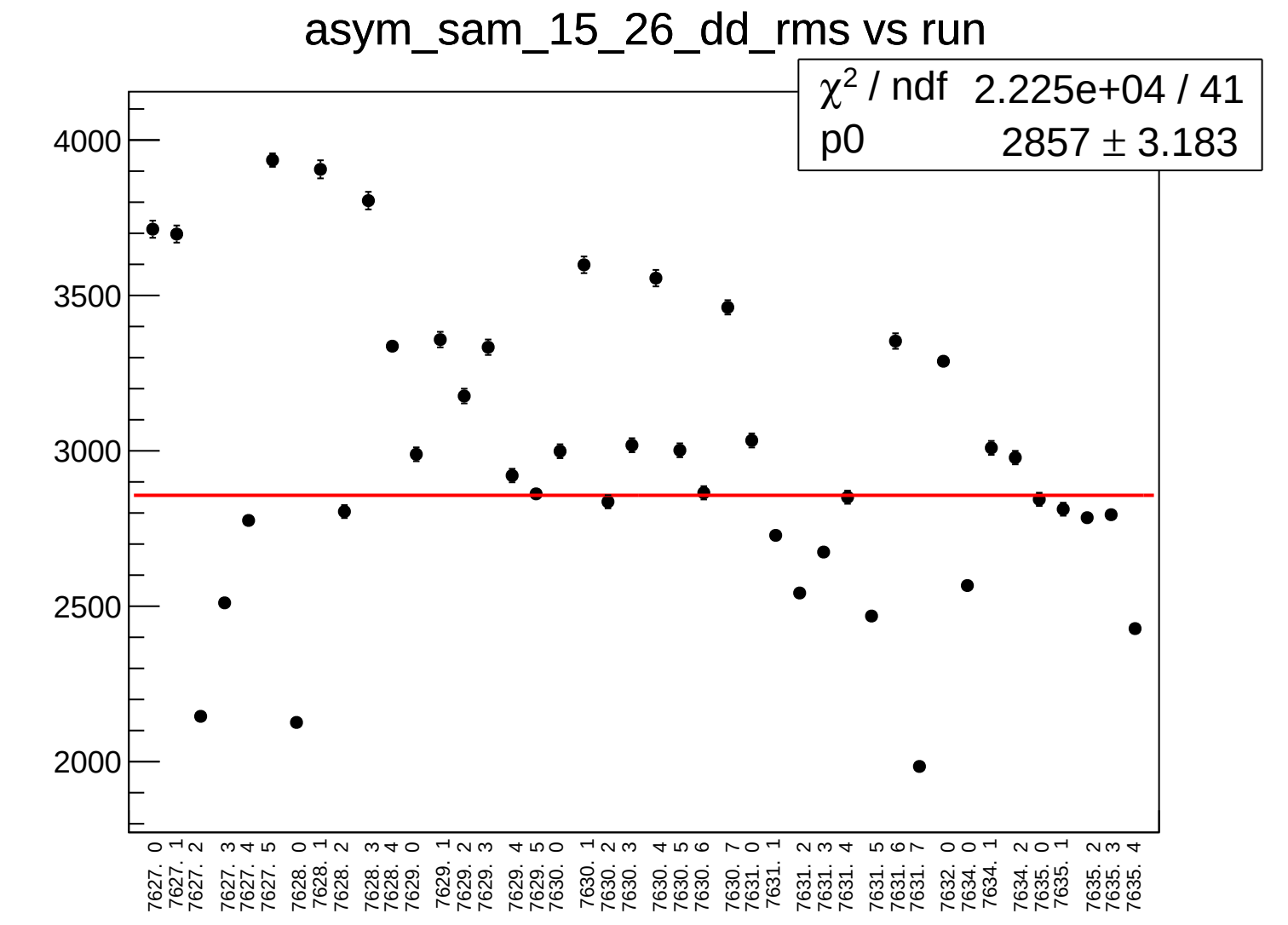

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.12 / 41
p0 9958 ± 4643
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

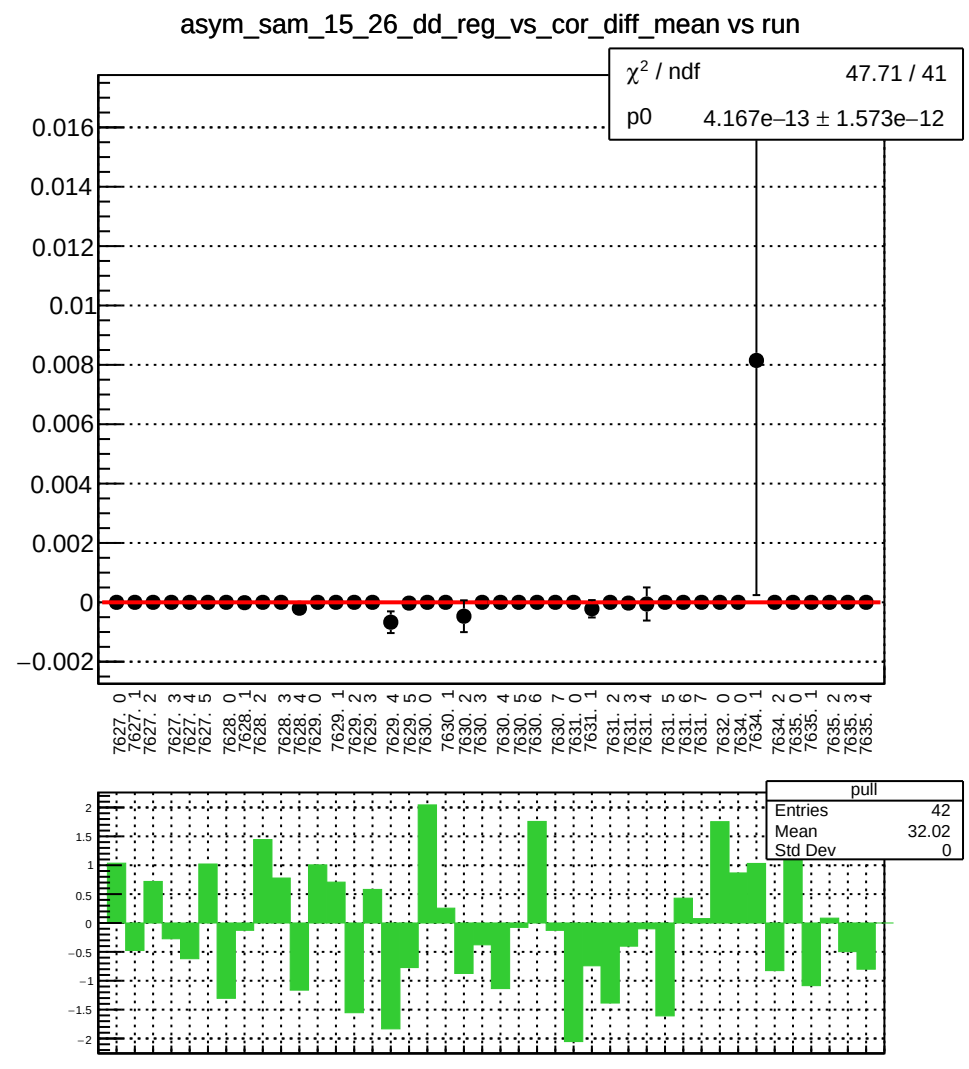

pull1D
Entries 42
Mean 0.03757
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

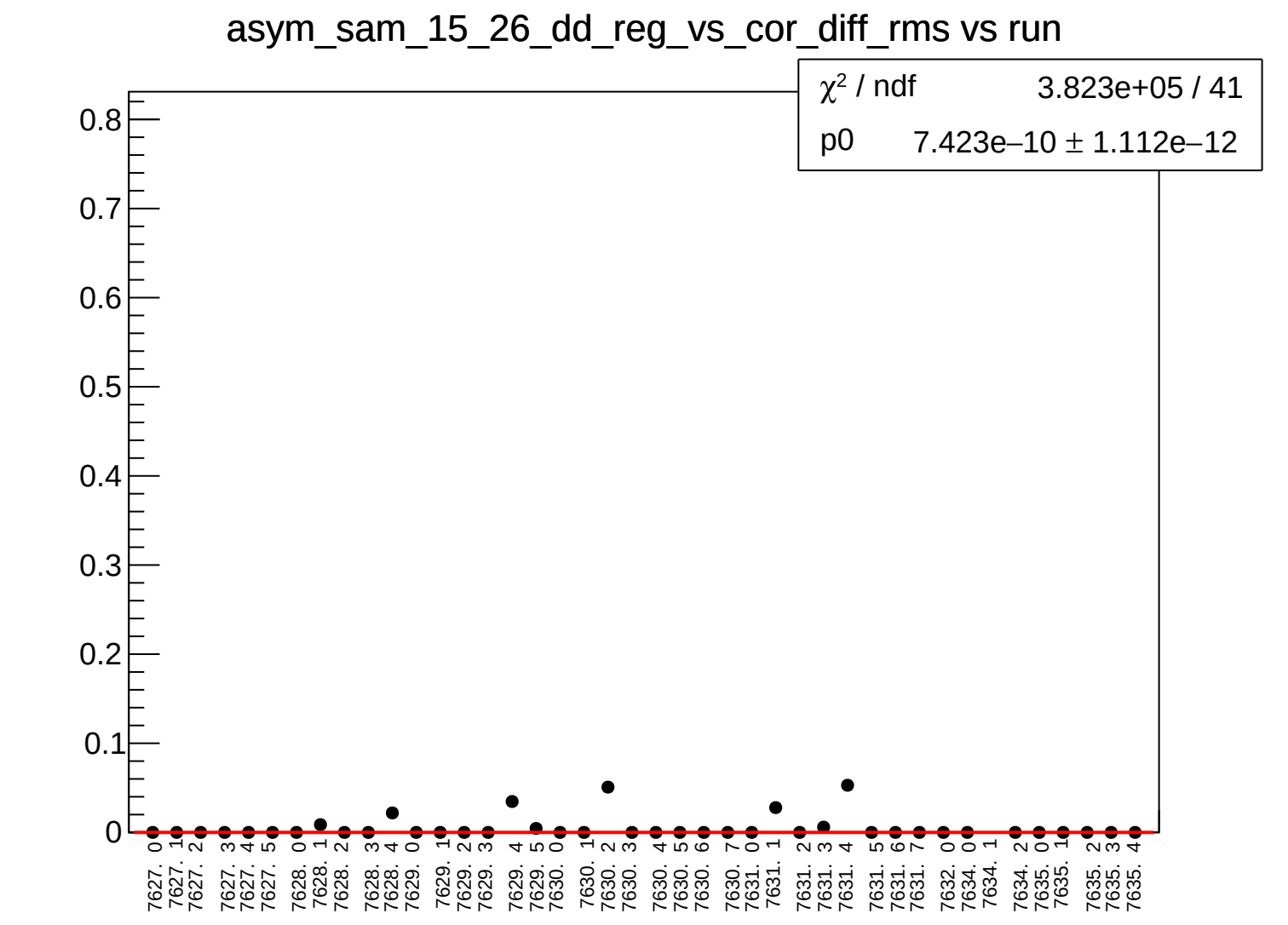

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.355e+04 / 41
p0 2944 ± 3.283
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

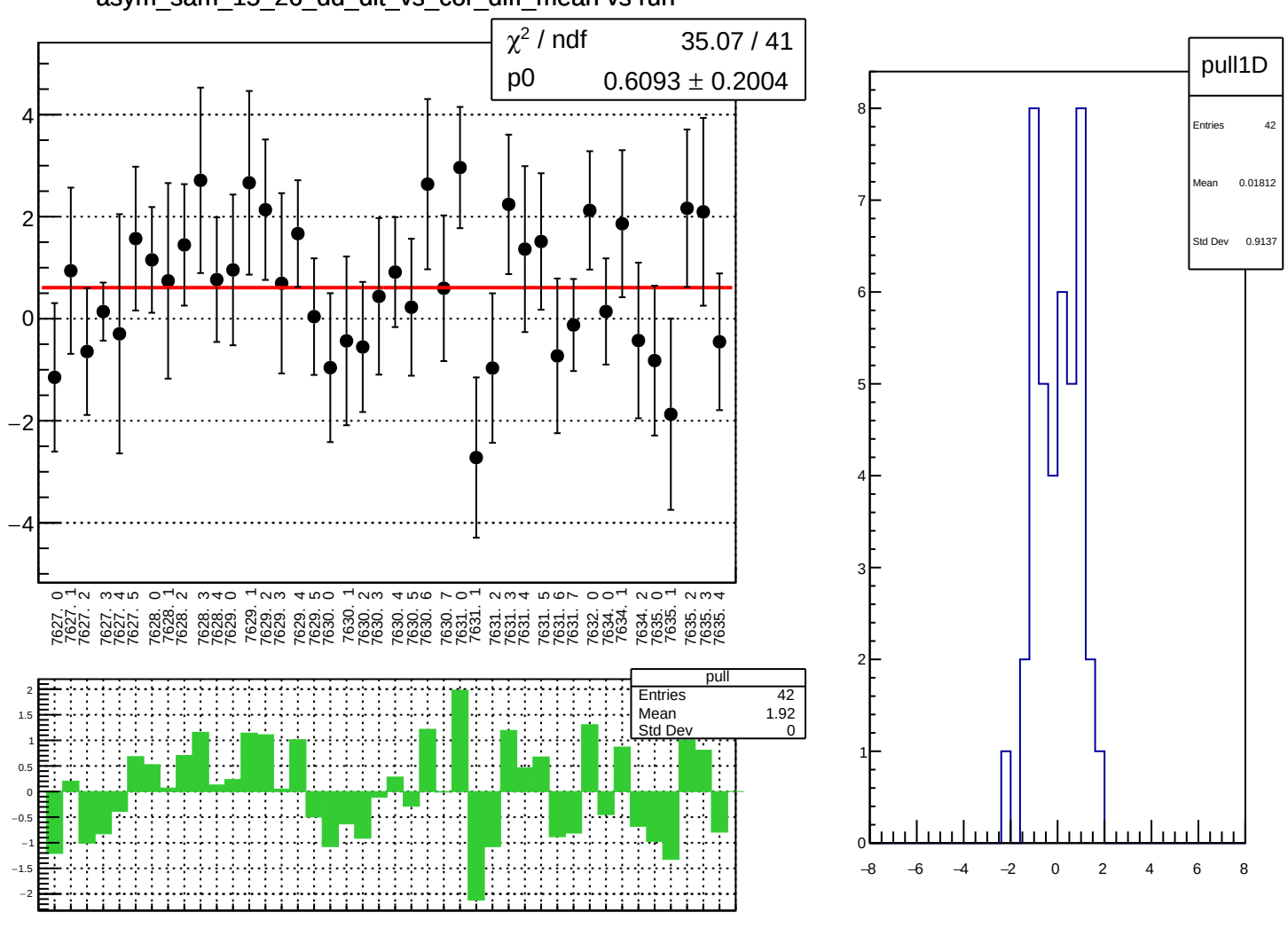

asym_sam_15_26_dd_mean vs run
×10^3
χ² / ndf 46.92 / 41
p0 −1.005e+04 ± 4502
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 31.81
Std Dev 0
3
2
1
0
−1
−2

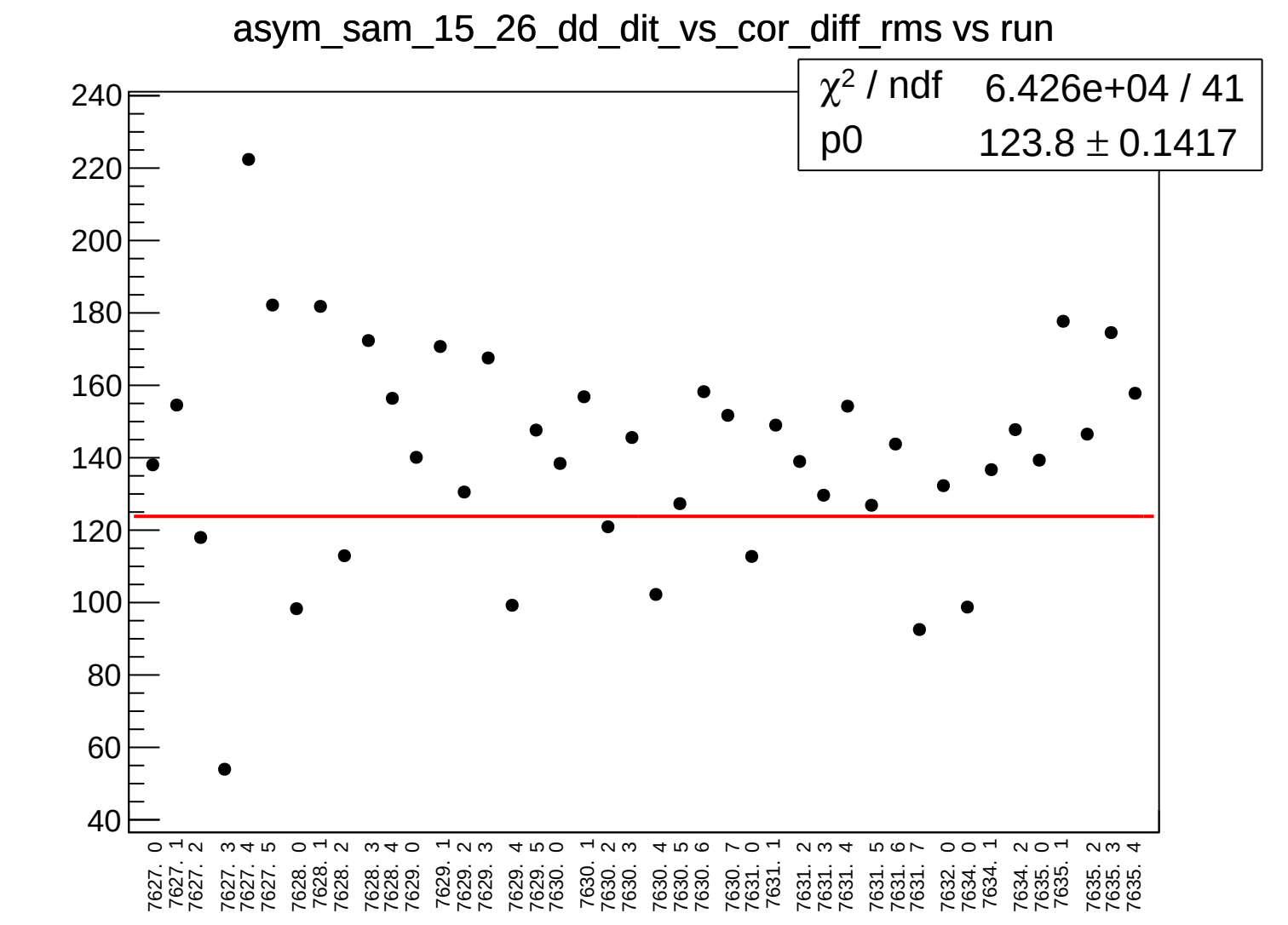

pull1D
Entries 42
Mean −0.03739
Std Dev 1.056
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

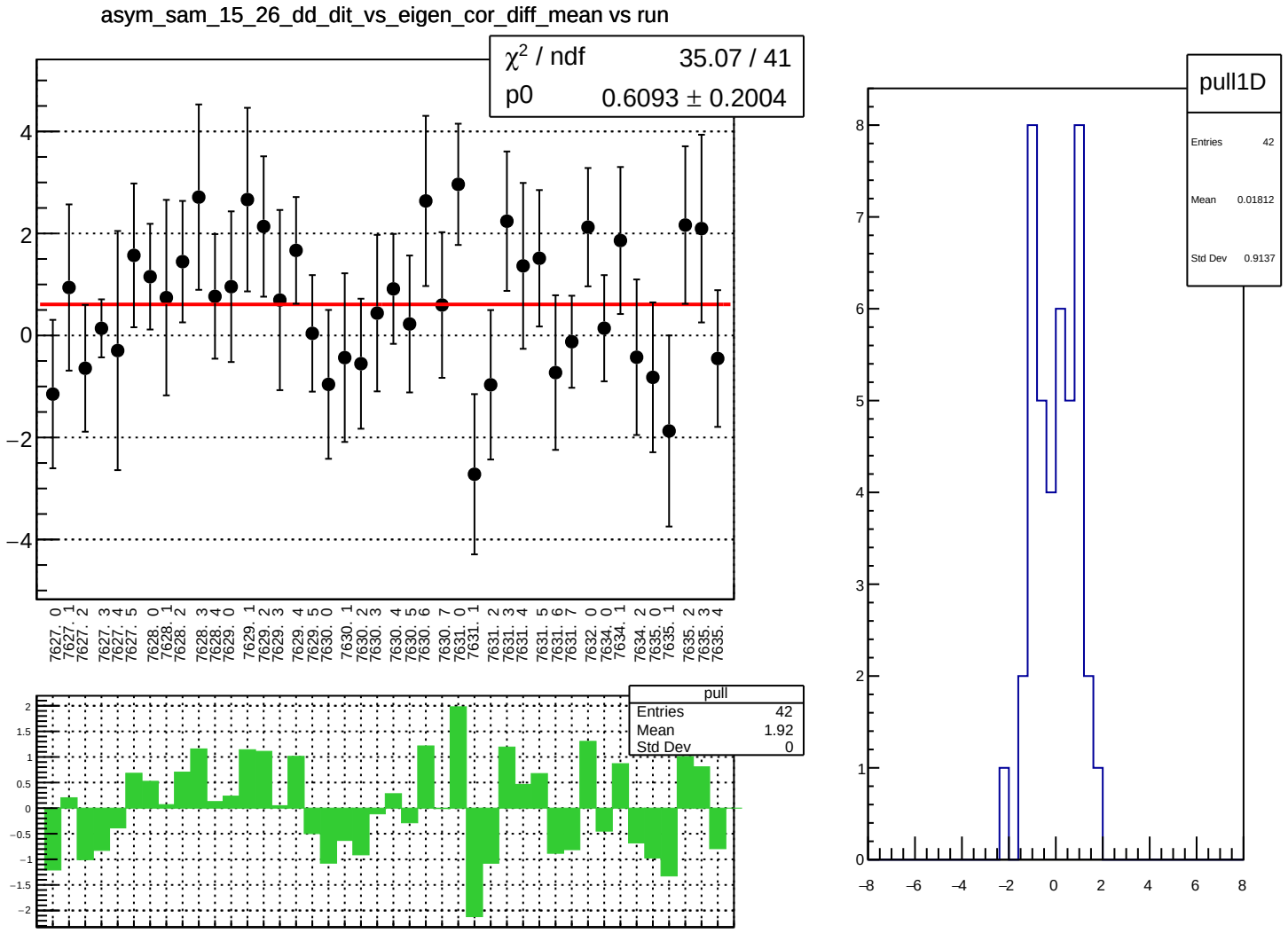

asym_sam_15_26_dd_rms vs run
χ² / ndf 2.225e+04 / 41
p0 2857 ± 3.183
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

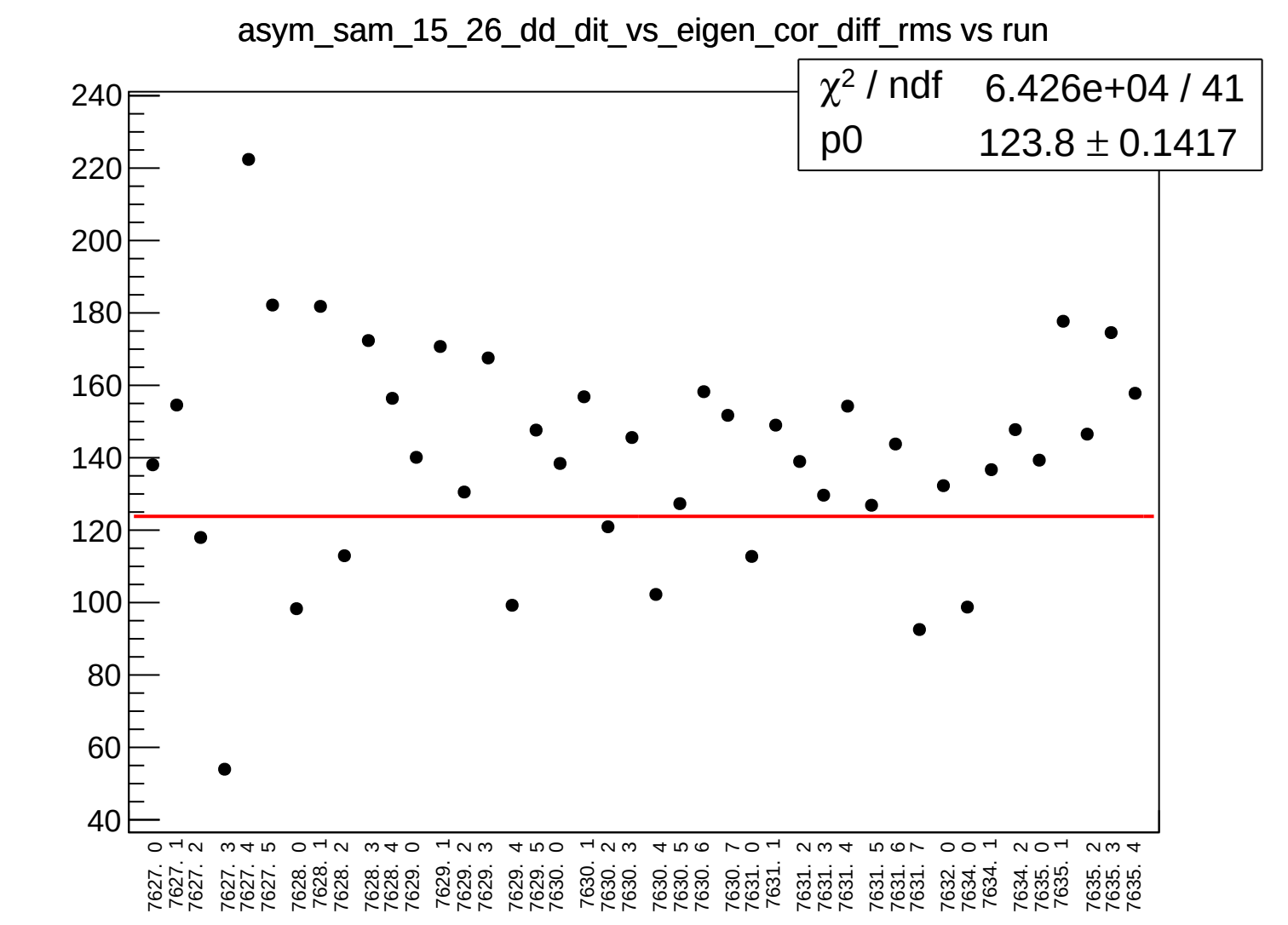

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.71 / 41
p0 4.167e−13 ± 1.573e−12
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 32.02
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.06462
Std Dev 1.064
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

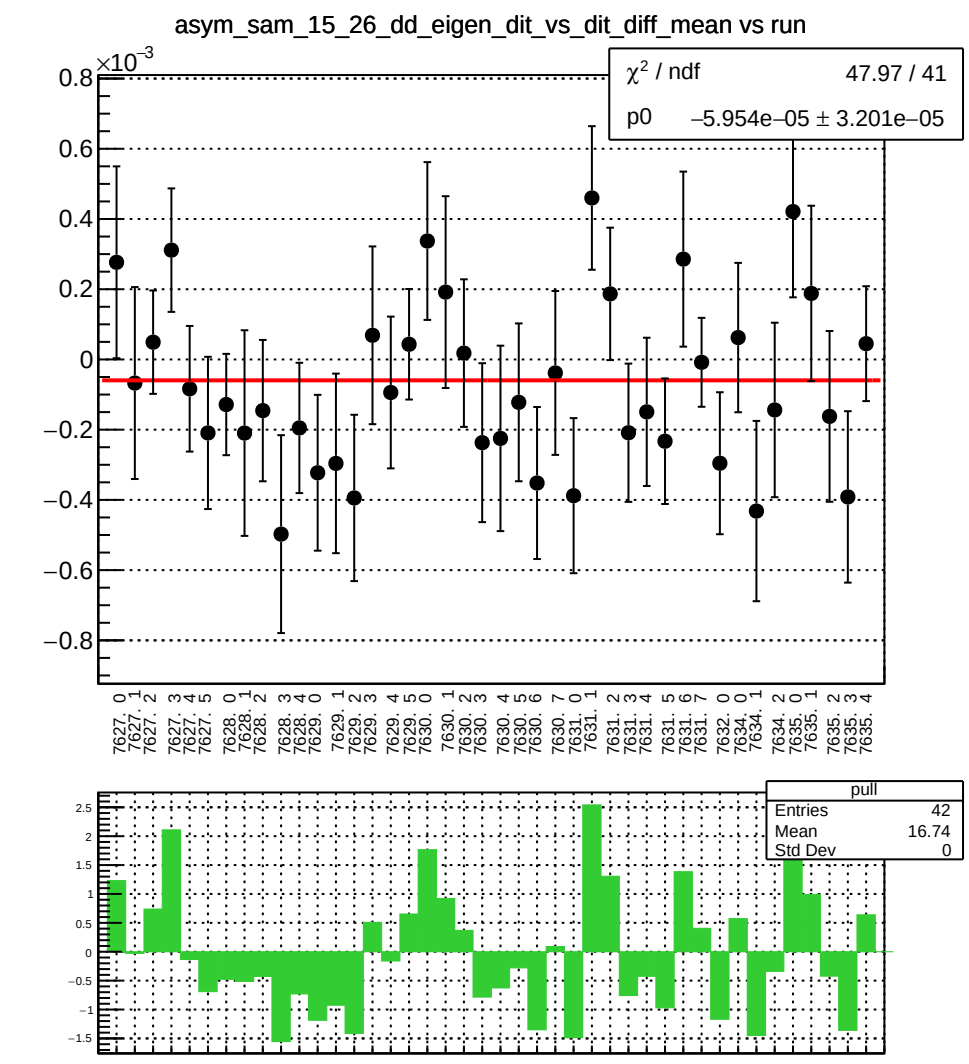

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.823e+05 / 41
p0 7.423e−10 ± 1.112e−12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

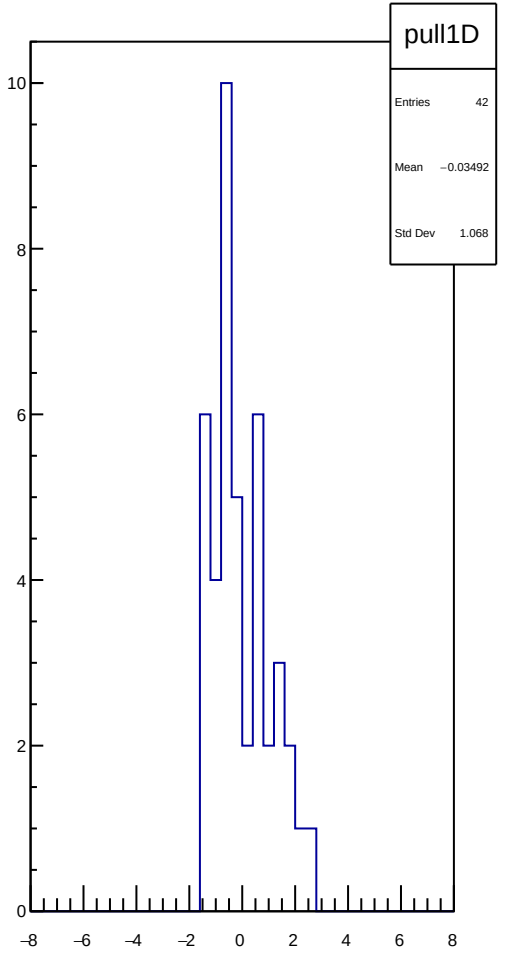

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.07 / 41
p0 0.6093 ± 0.2004
pull
Entries 42
Mean 1.92
Std Dev 0
pull1D
Entries 42
Mean 0.01812
Std Dev 0.9137

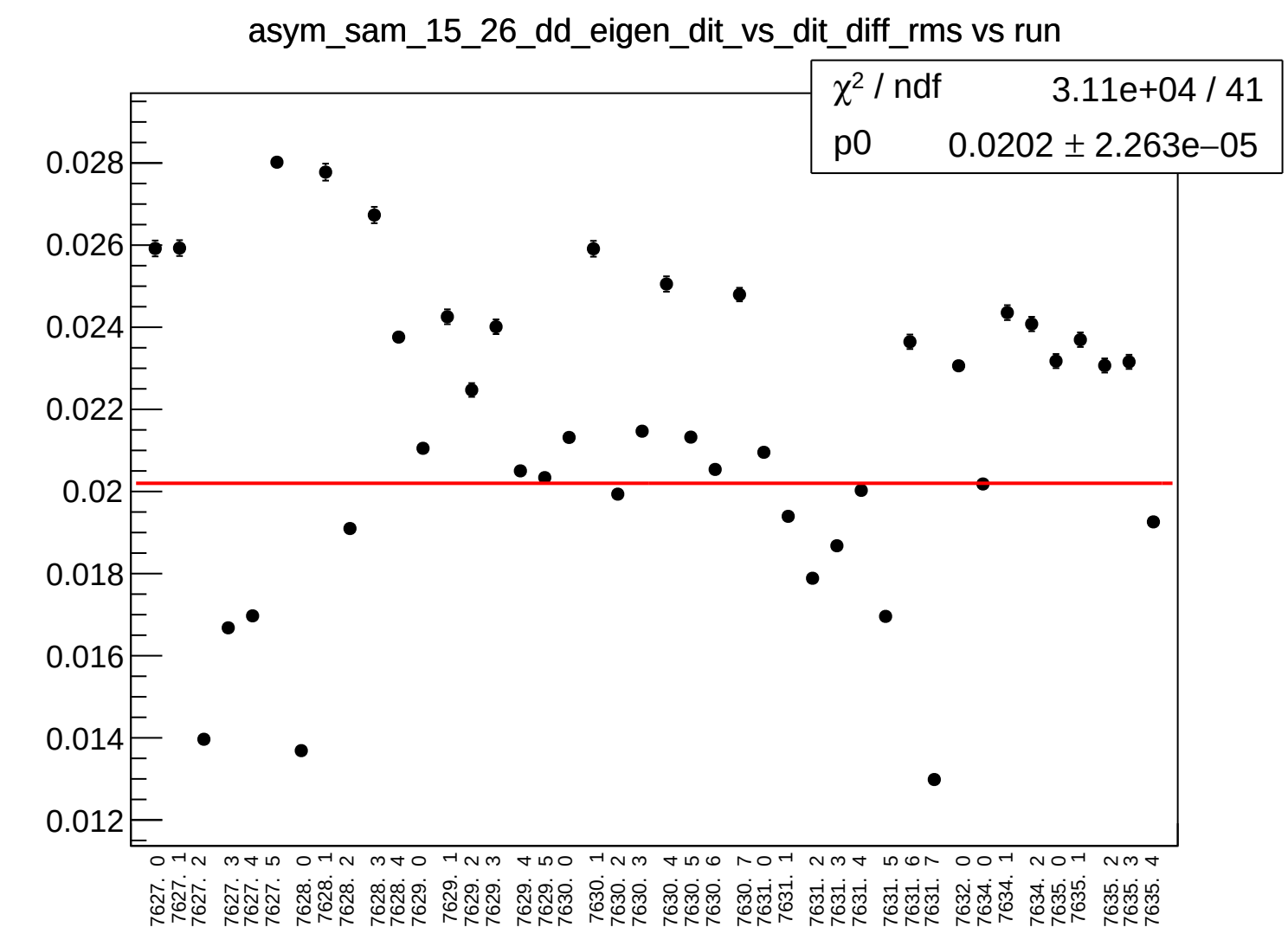

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.426e+04 / 41
p0 123.8 ± 0.1417
240
220
200
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

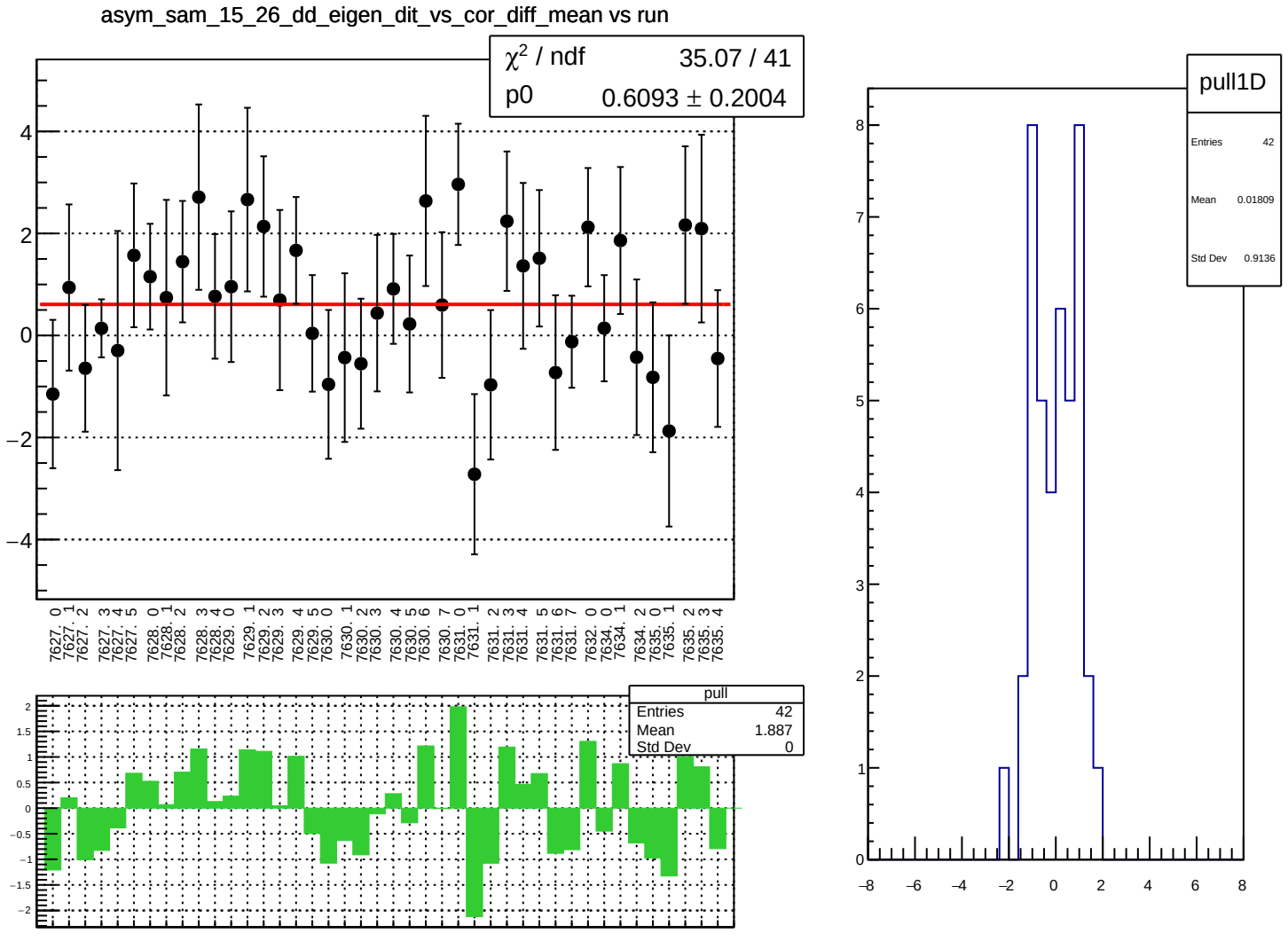

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.07 / 41
p0 0.6093 ± 0.2004
pull
Entries 42
Mean 1.92
Std Dev 0
pull1D
Entries 42
Mean 0.01812
Std Dev 0.9137

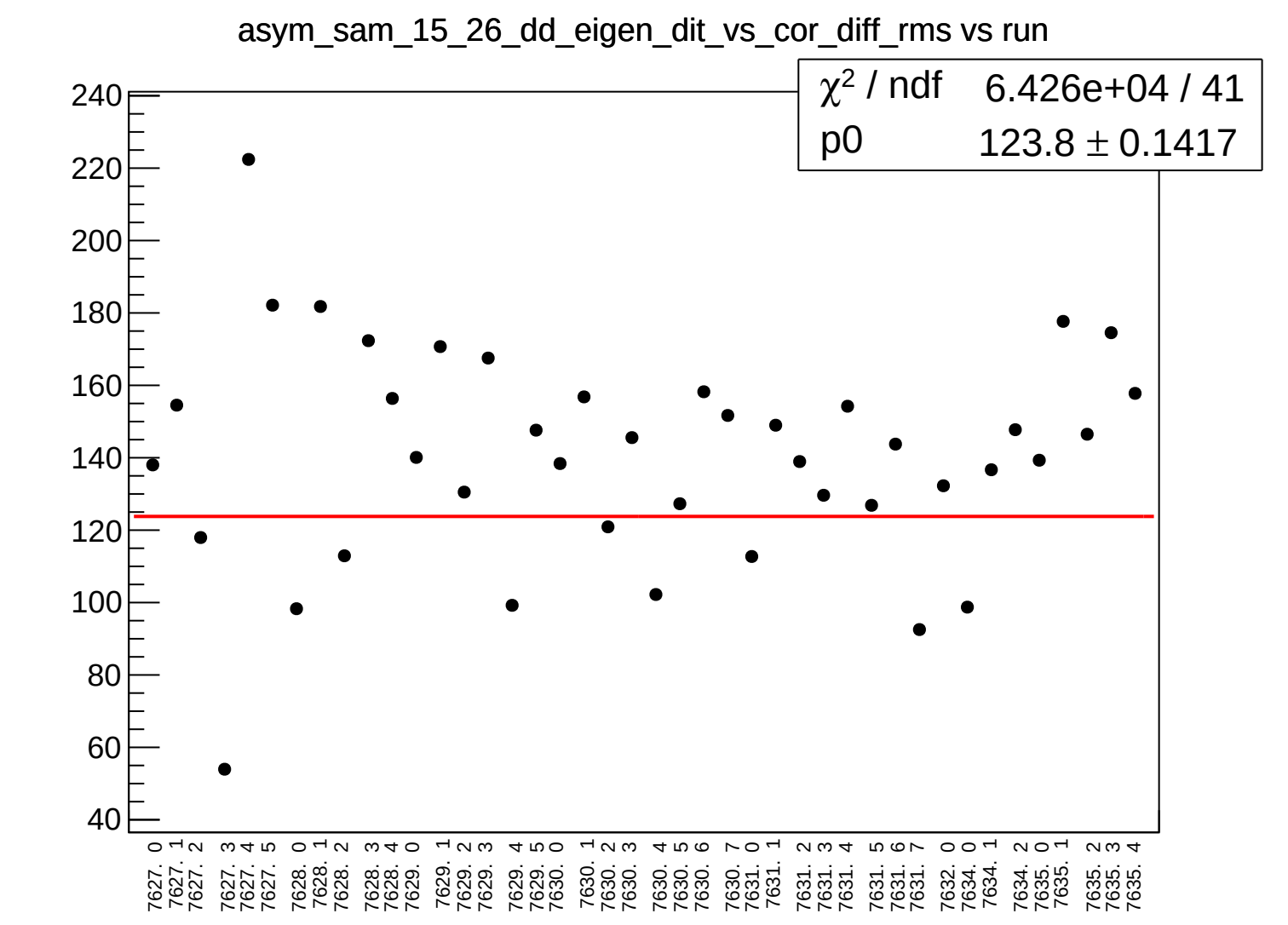

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.426e+04 / 41
p0 123.8 ± 0.1417
240
220
200
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

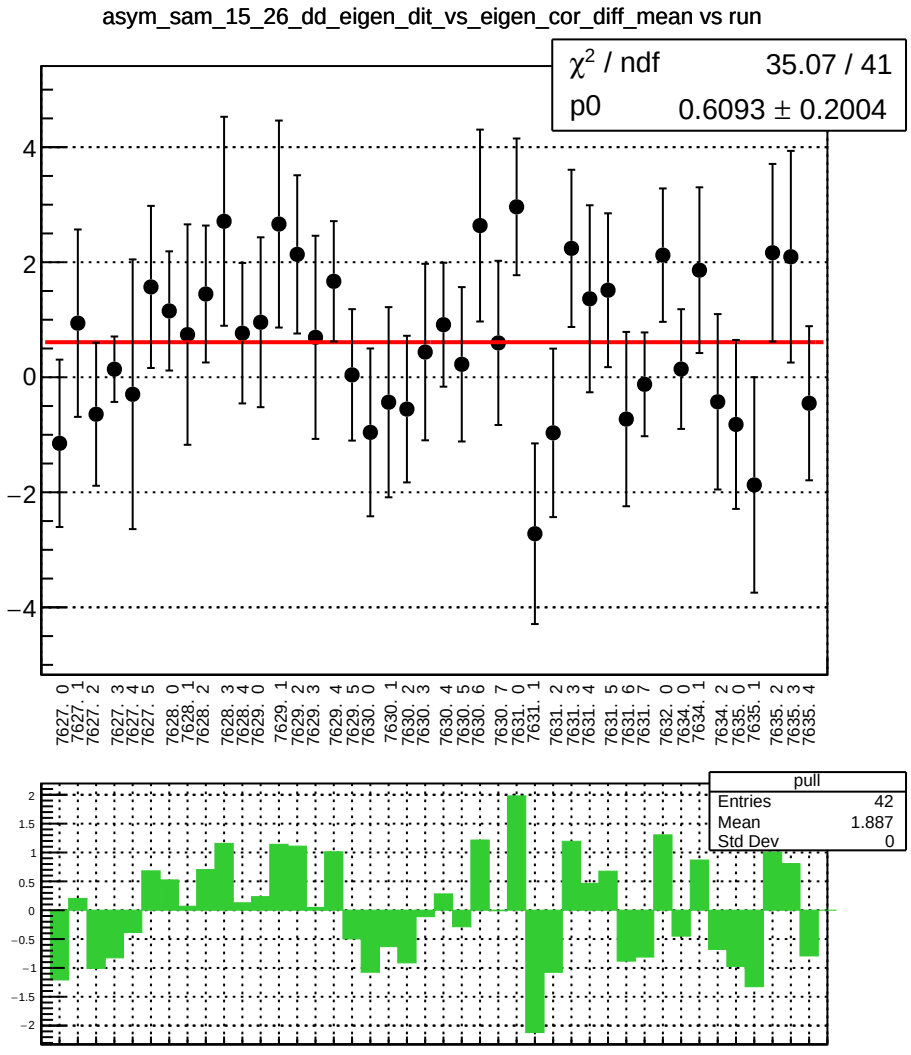

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.97 / 41
p0 −5.954e−05 ± 3.201e−05
pull
Entries 42
Mean 16.74
Std Dev 0

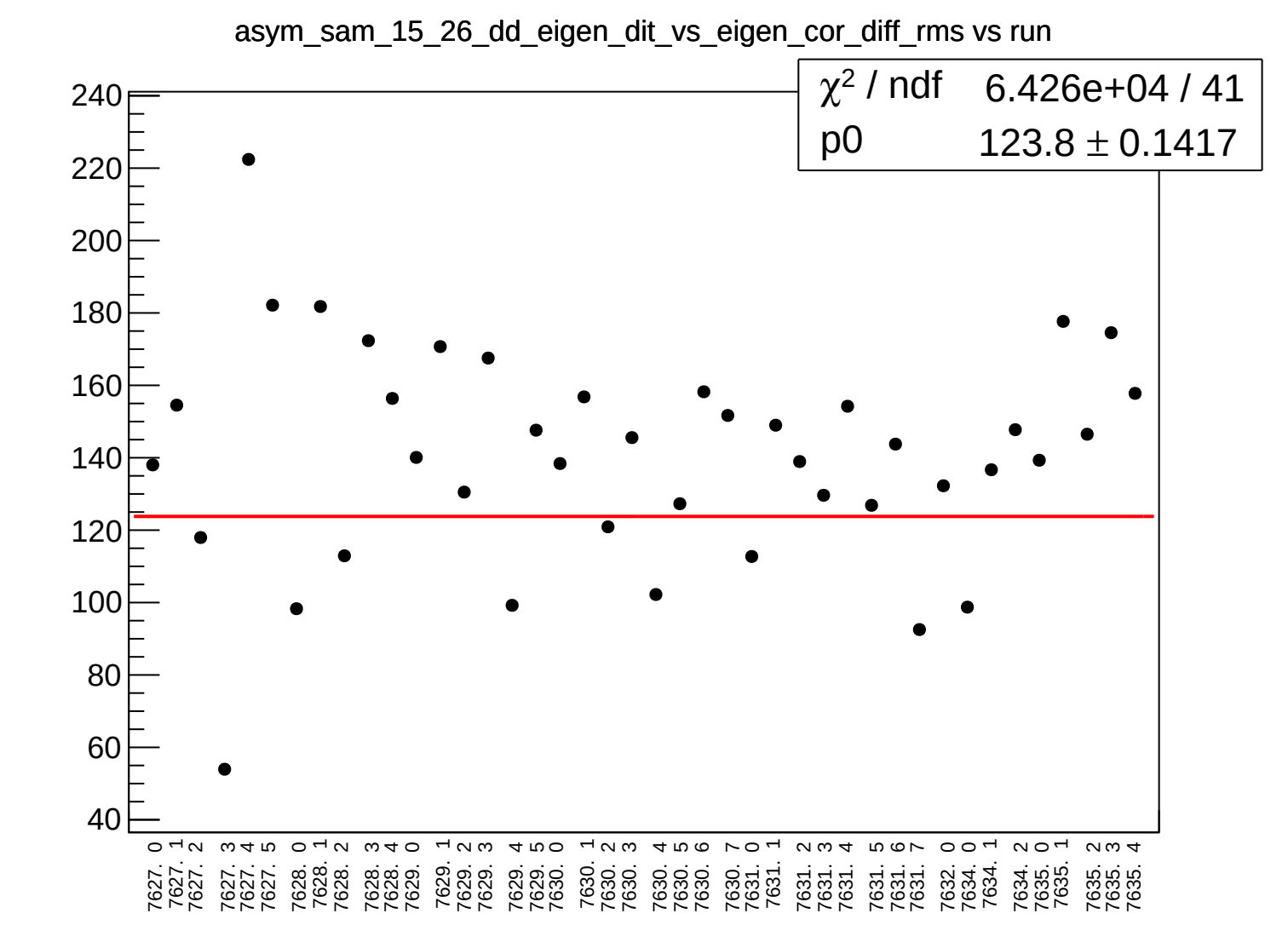

pull1D
Entries 42
Mean −0.03492
Std Dev 1.068

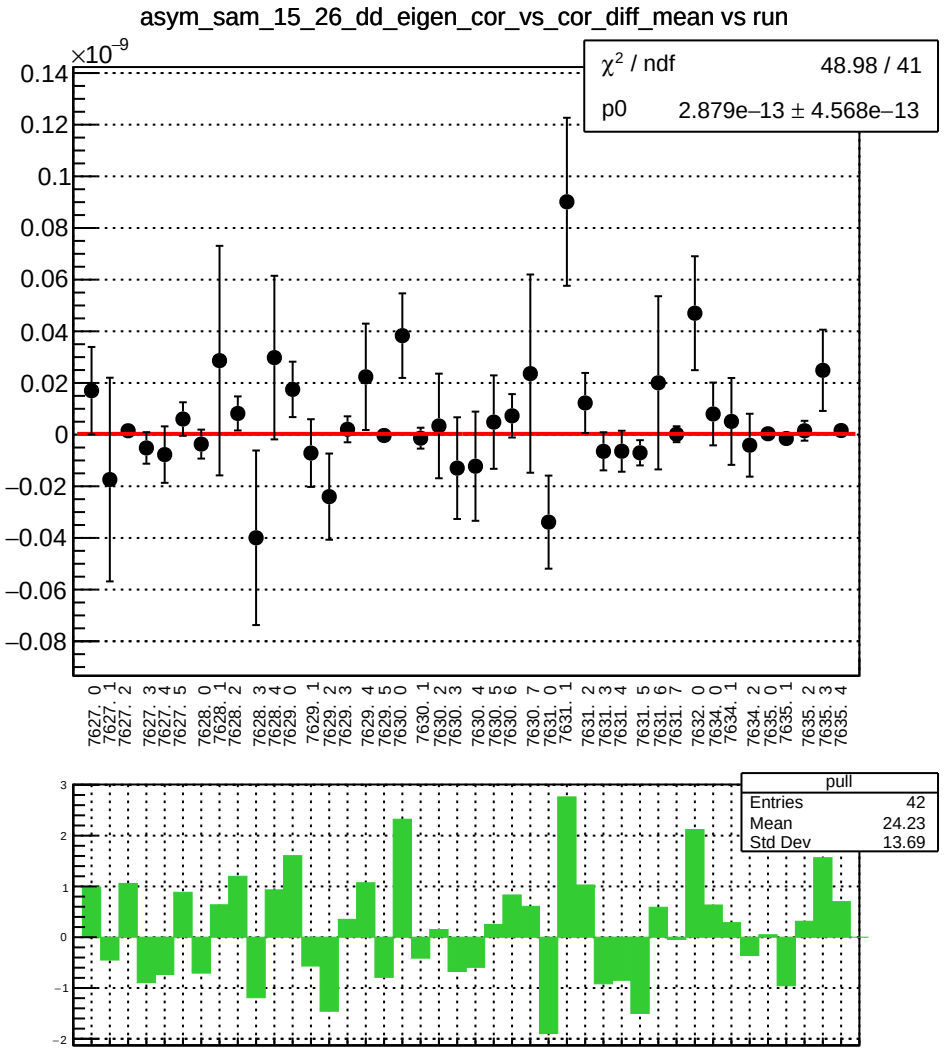

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.11e+04 / 41
p0 0.0202 ± 2.263e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

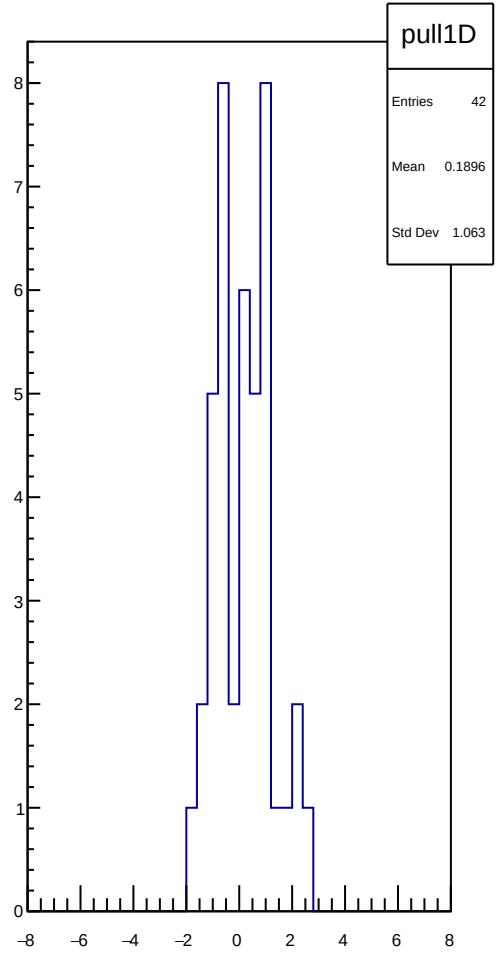

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.07 / 41
p0 0.6093 ± 0.2004
pull
Entries 42
Mean 1.887
Std Dev 0
pull1D
Entries 42
Mean 0.01809
Std Dev 0.9136

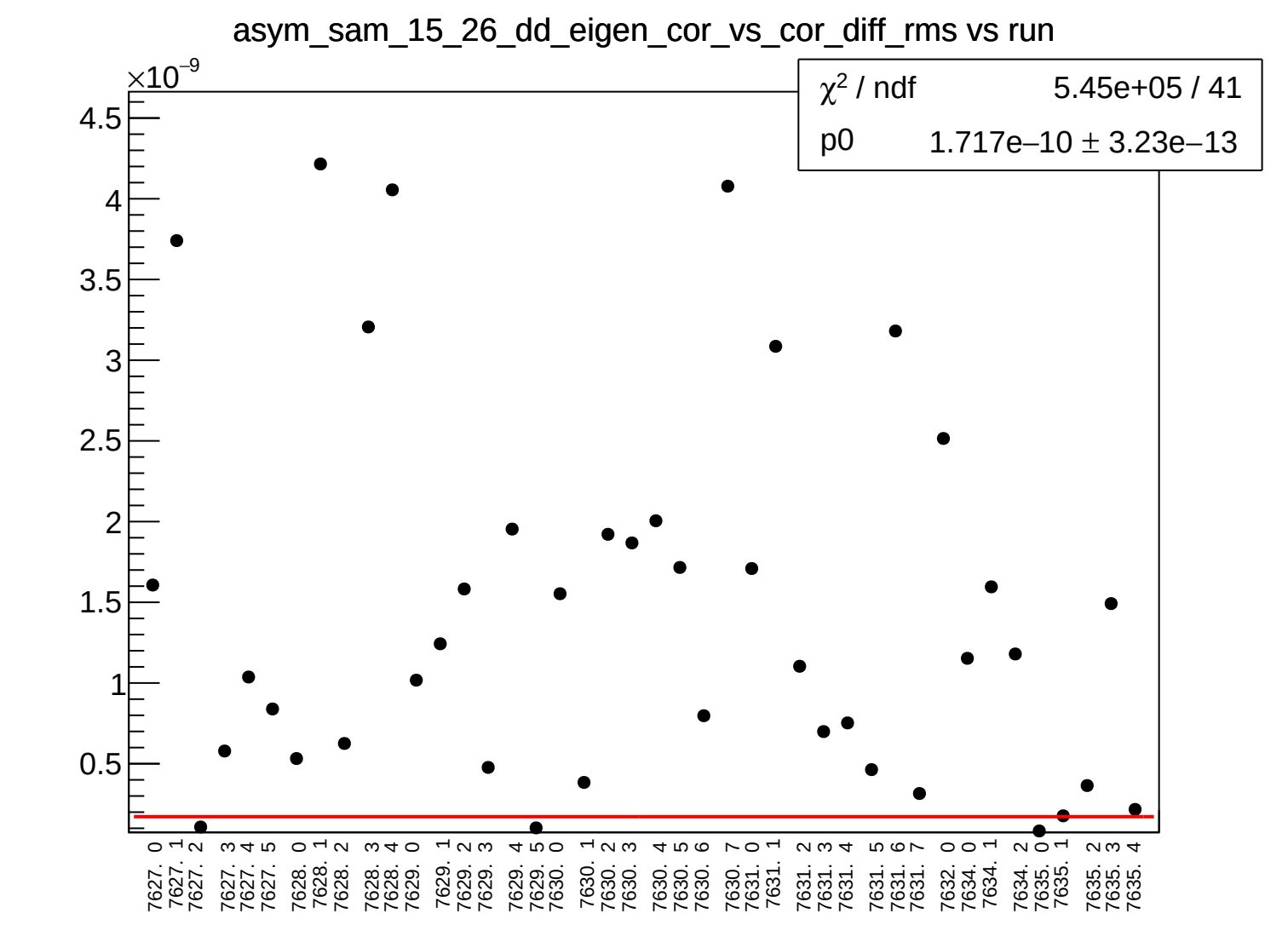

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.426e+04 / 41
p0 123.8 ± 0.1417
240
220
200
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

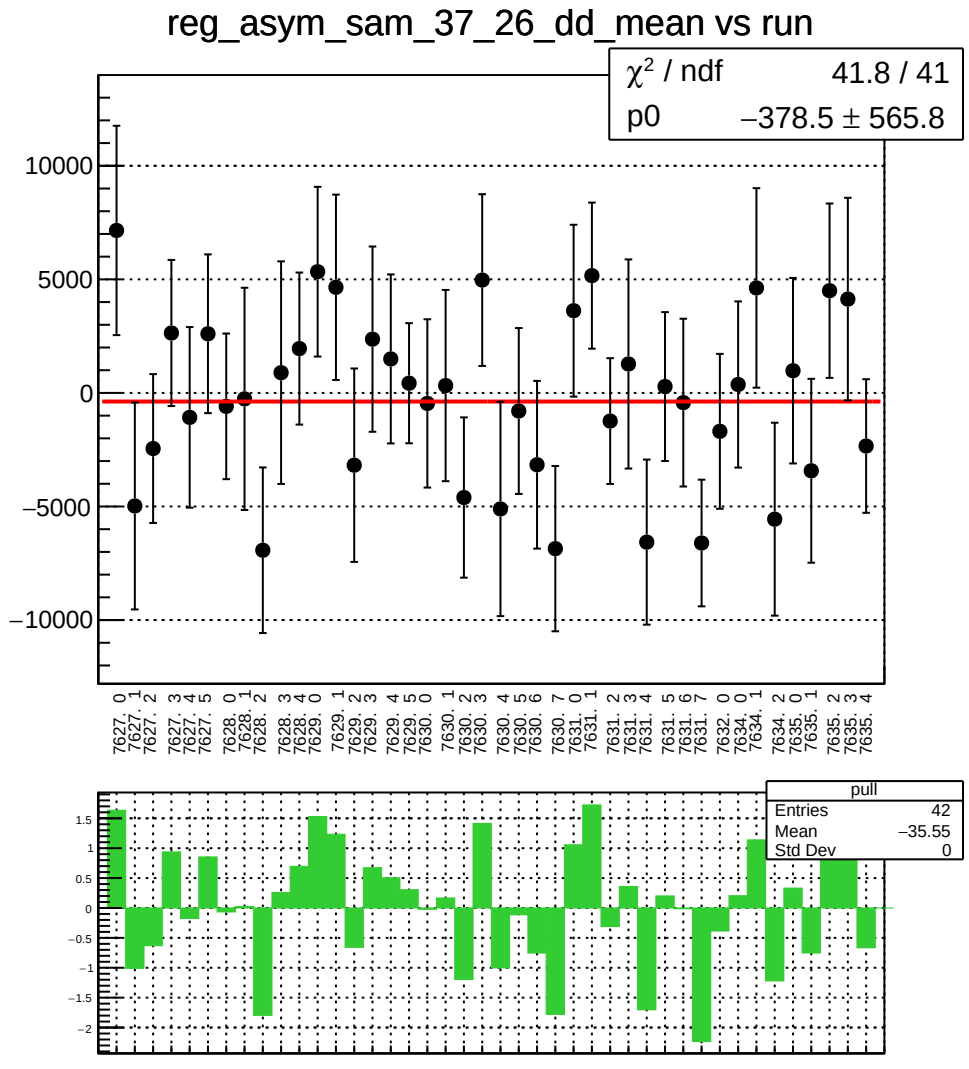

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.07 / 41
p0 0.6093 ± 0.2004
pull
Entries 42
Mean 1.887
Std Dev 0
pull1D
Entries 42
Mean 0.01809
Std Dev 0.9136

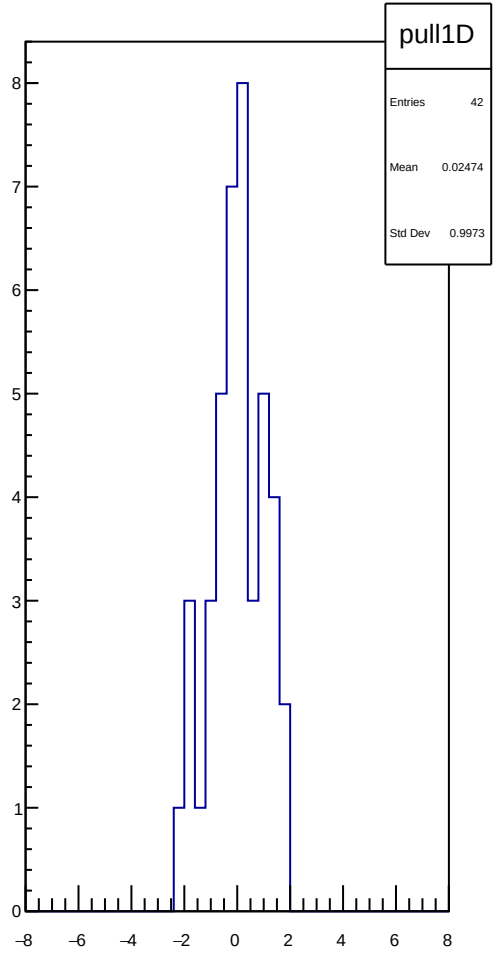

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.426e+04 / 41
p0 123.8 ± 0.1417
240
220
200
180
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

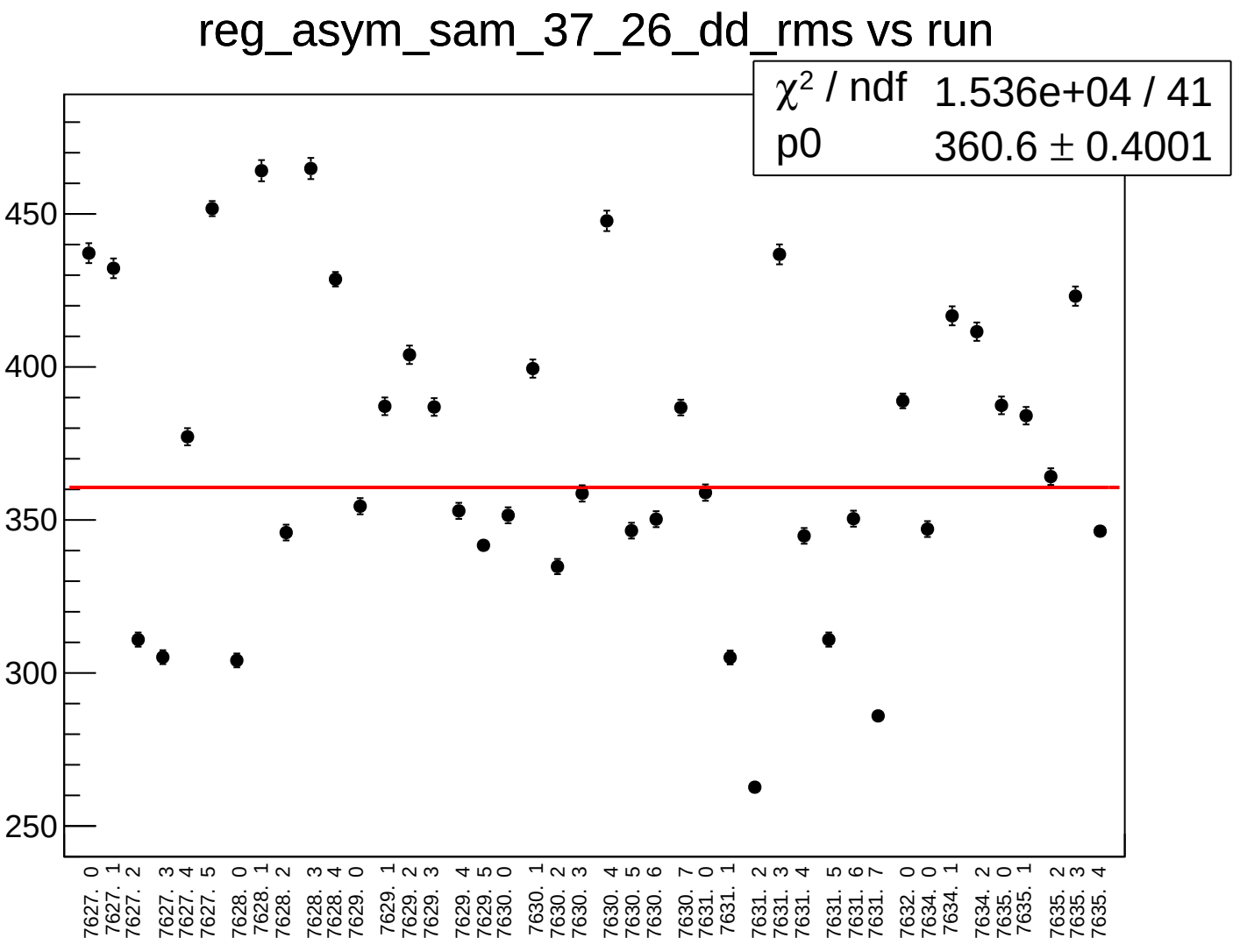

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 48.98 / 41
p0 2.879e−13 ± 4.568e−13
pull
Entries 42
Mean 24.23
Std Dev 13.69

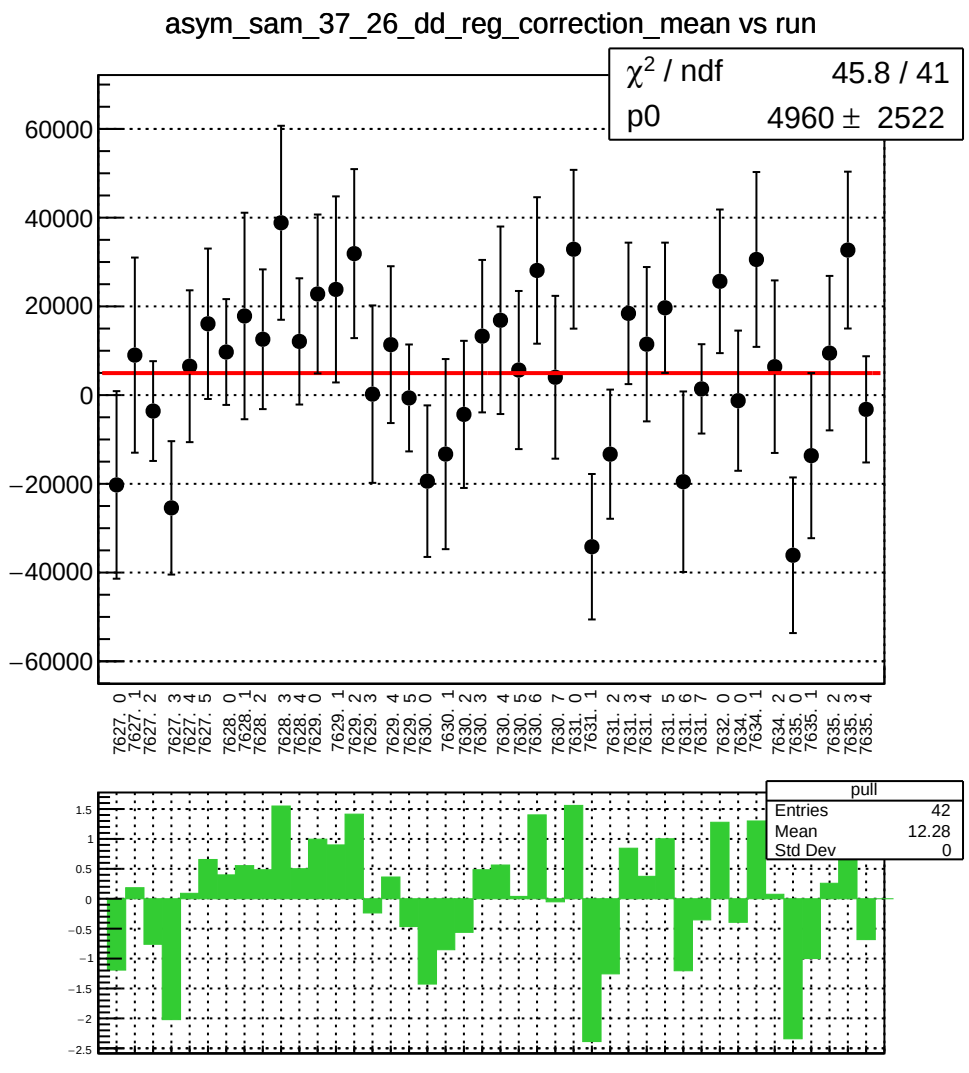

pull1D
Entries 42
Mean 0.1896
Std Dev 1.063

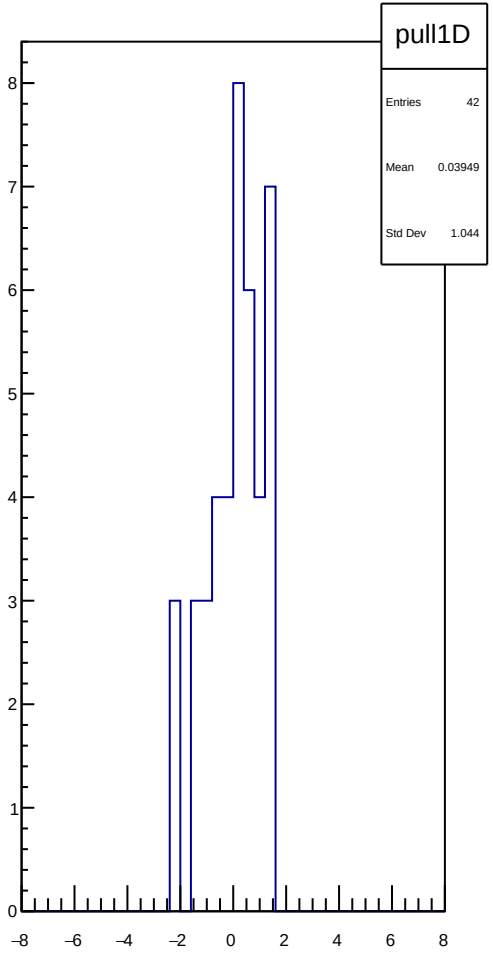

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.45e+05 / 41
p0 1.717e−10 ± 3.23e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

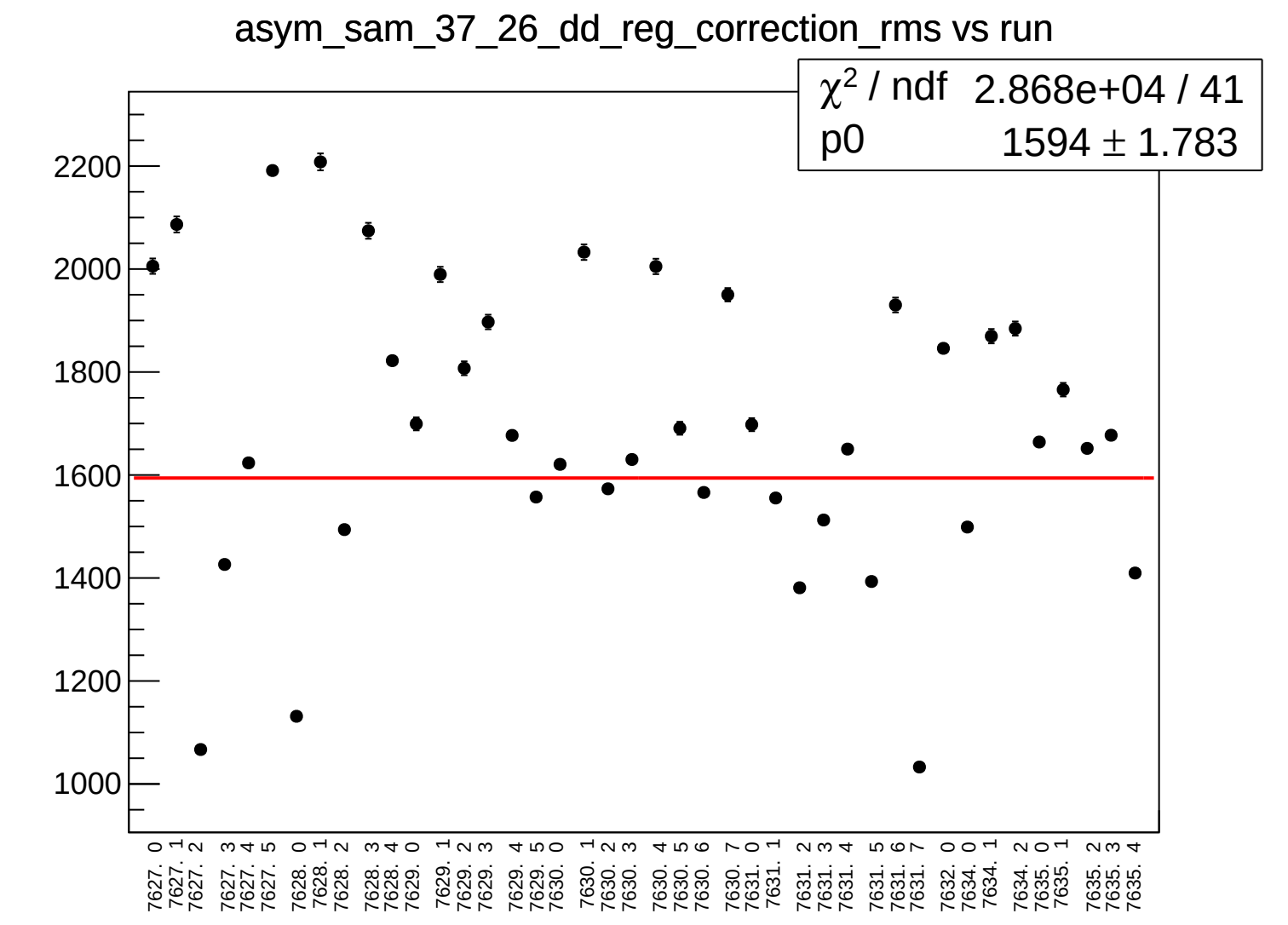

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 41.8 / 41
p0 −378.5 ± 565.8
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −35.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

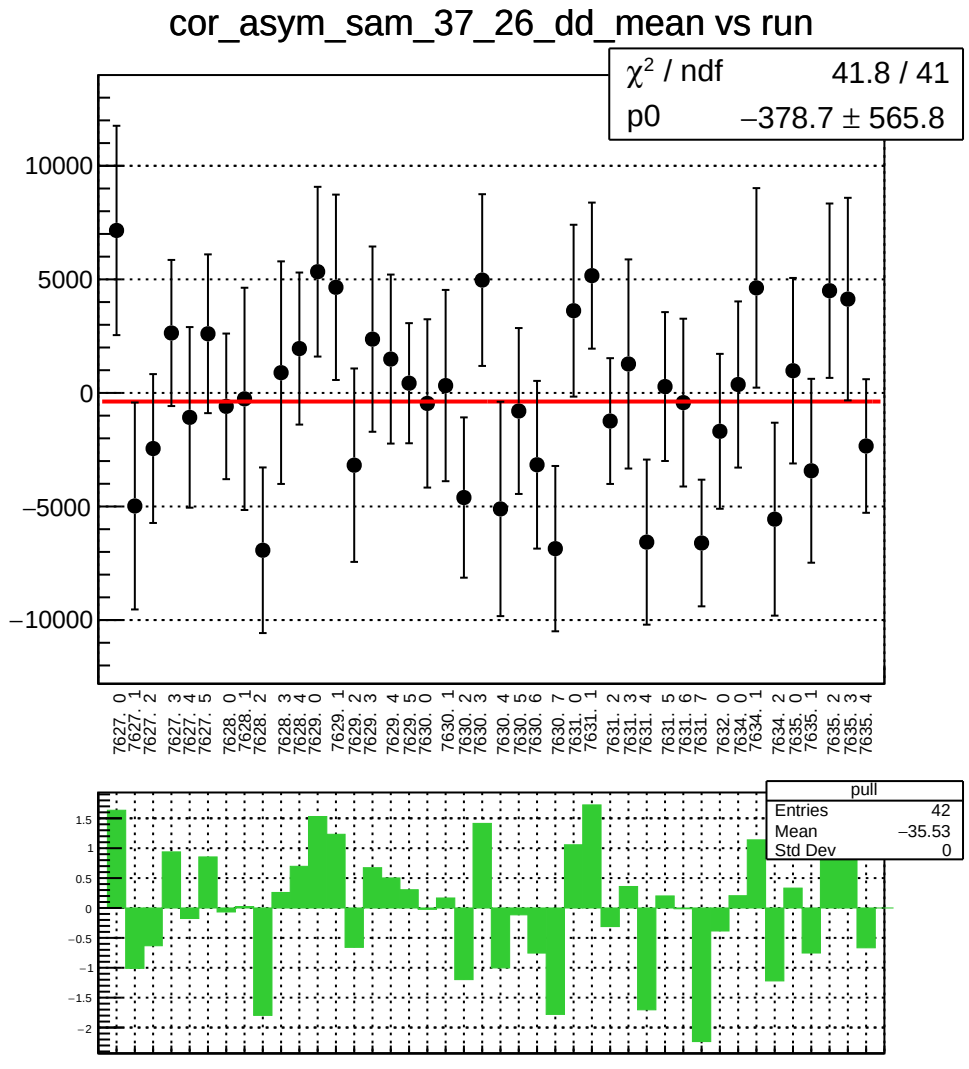

pull1D
Entries 42
Mean 0.02474
Std Dev 0.9973
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

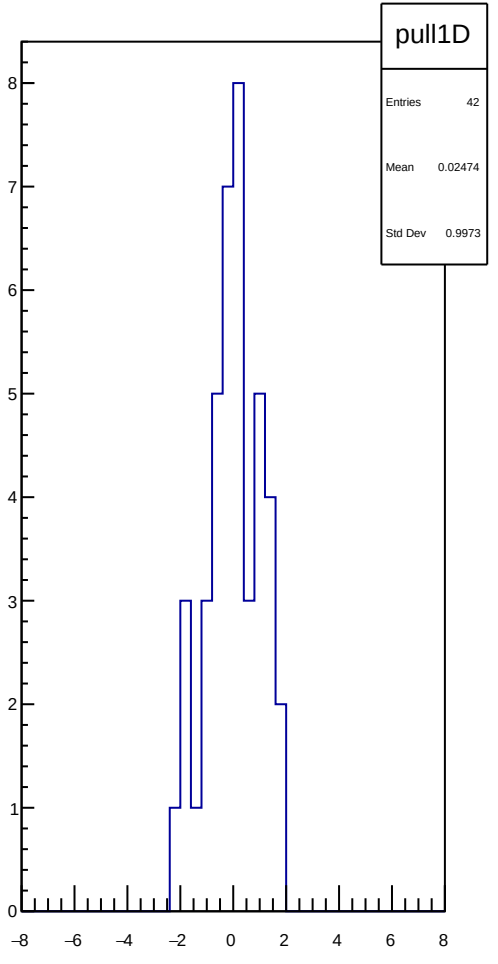

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.536e+04 / 41
p0 360.6 ± 0.4001
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

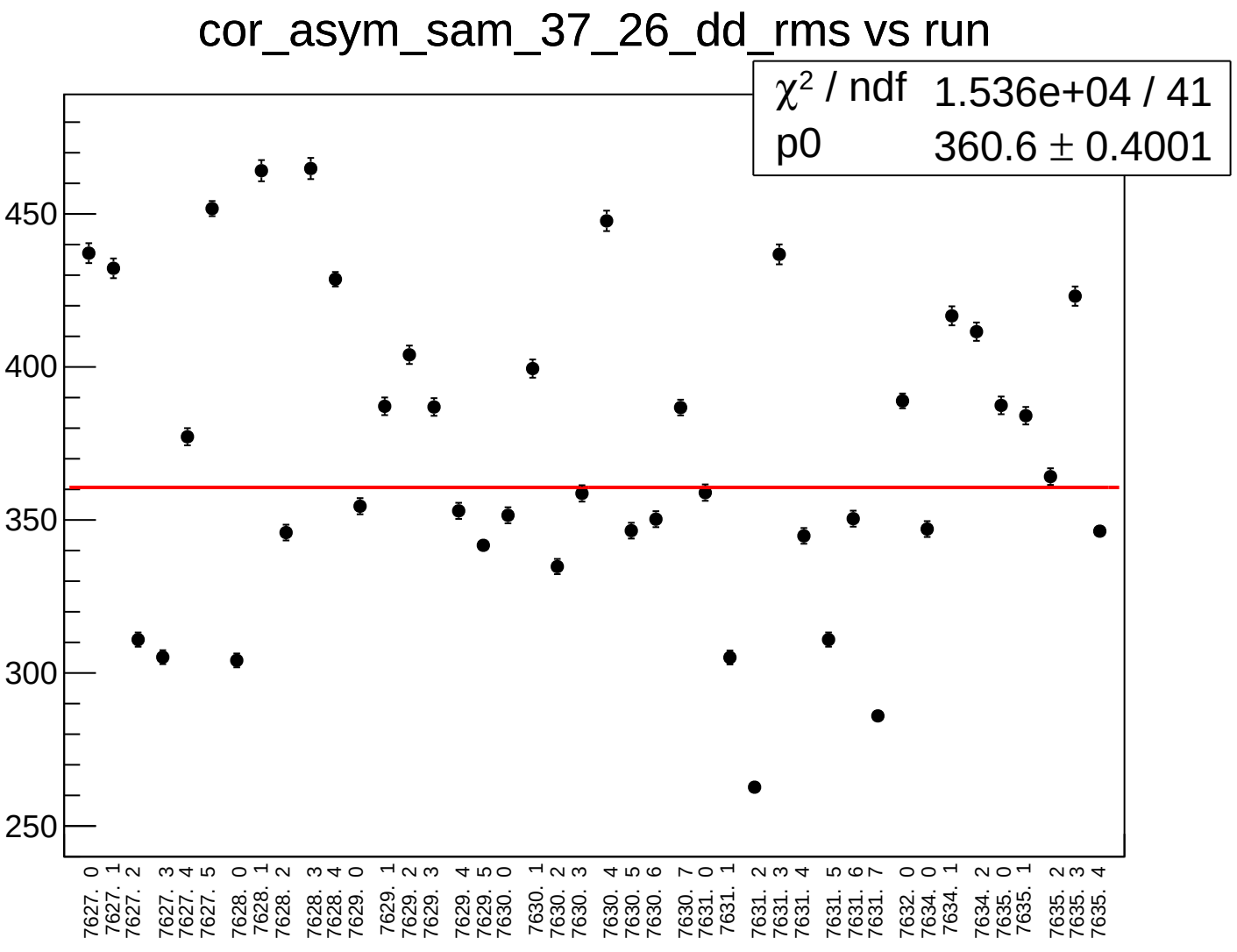

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 45.8 / 41
p0 4960 ± 2522
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

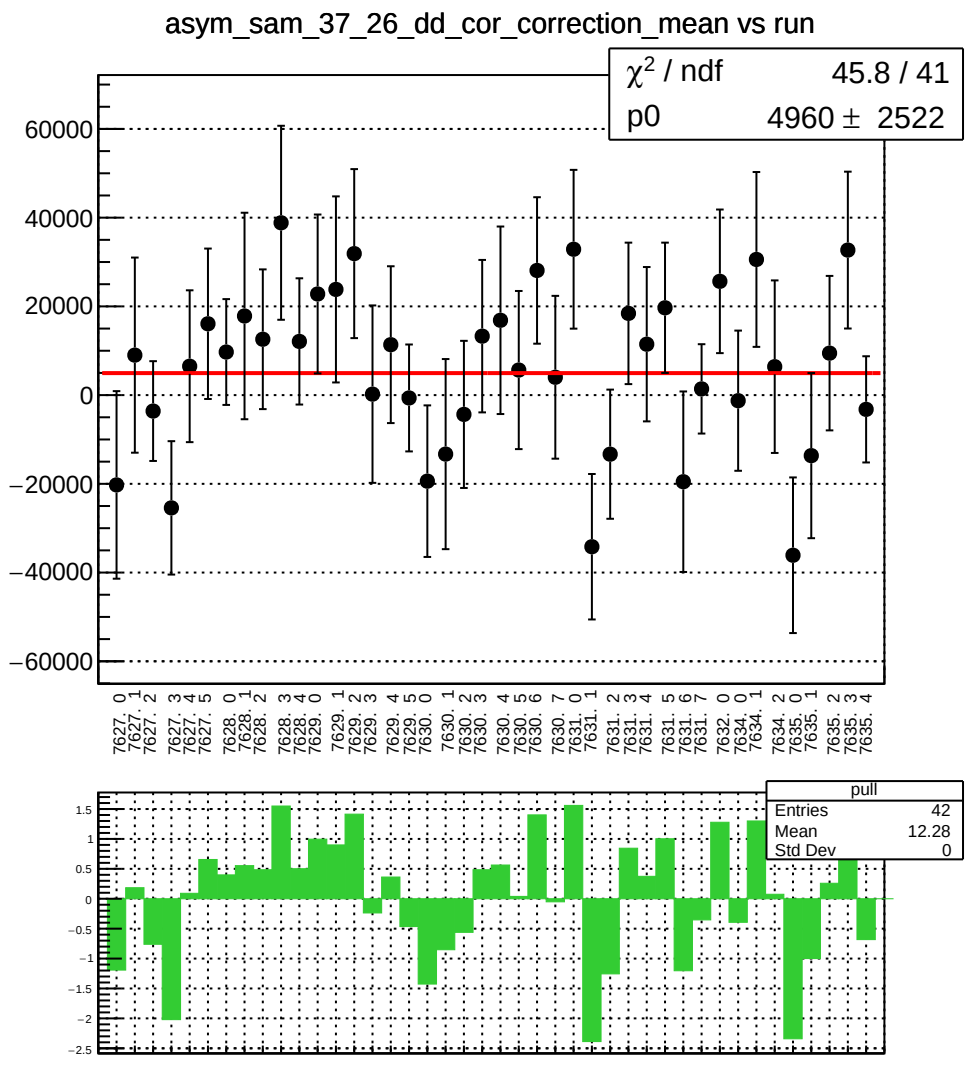

pull1D
Entries 42
Mean 0.03949
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

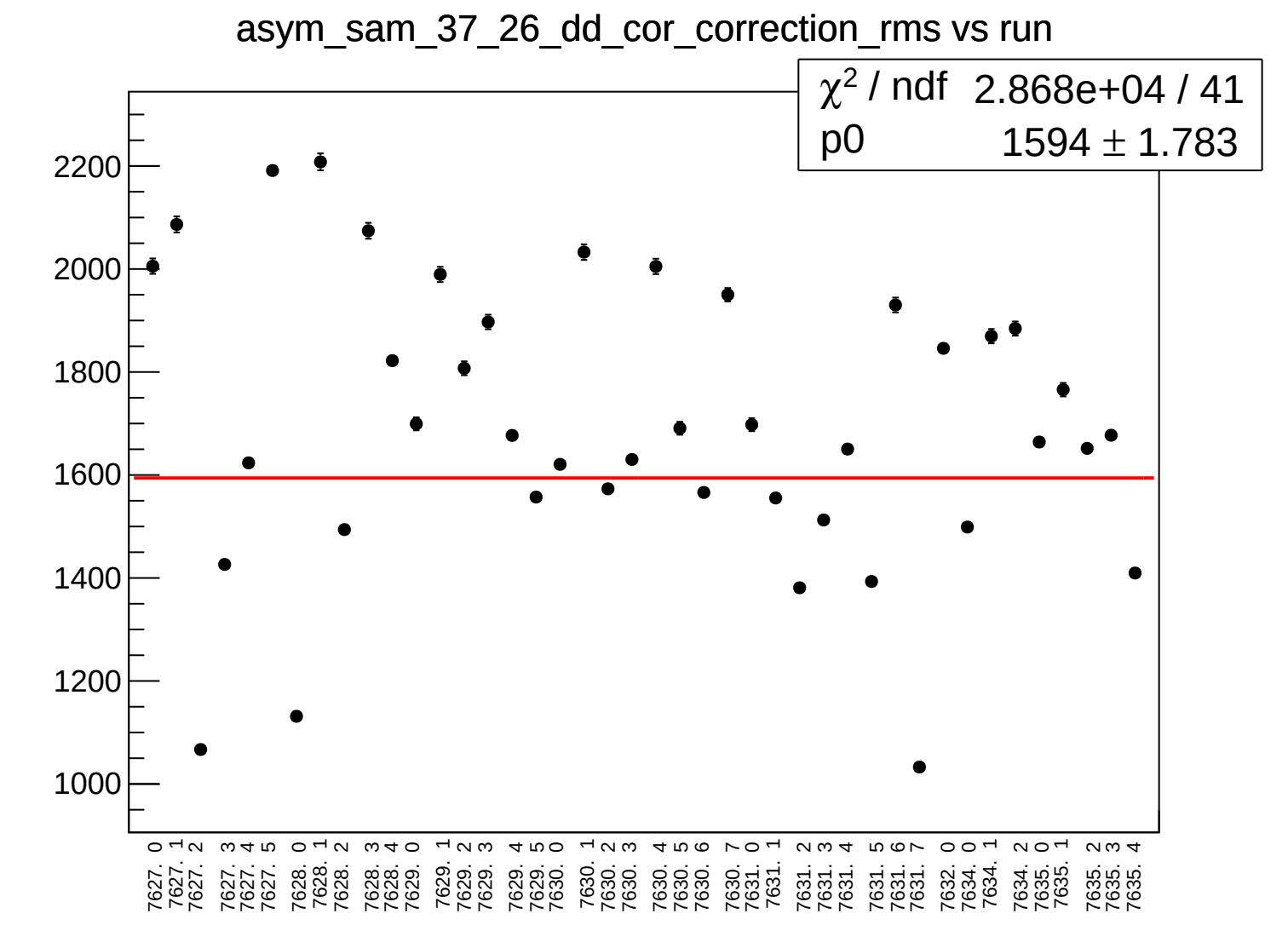

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 2.868e+04 / 41
p0 1594 ± 1.783
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 41.8 / 41
p0 −378.7 ± 565.8
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −35.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.02474
Std Dev 0.9973
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.536e+04 / 41
p0 360.6 ± 0.4001
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 45.8 / 41
p0 4960 ± 2522
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.03949
Std Dev 1.044
8
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 2.868e+04 / 41
p0 1594 ± 1.783
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
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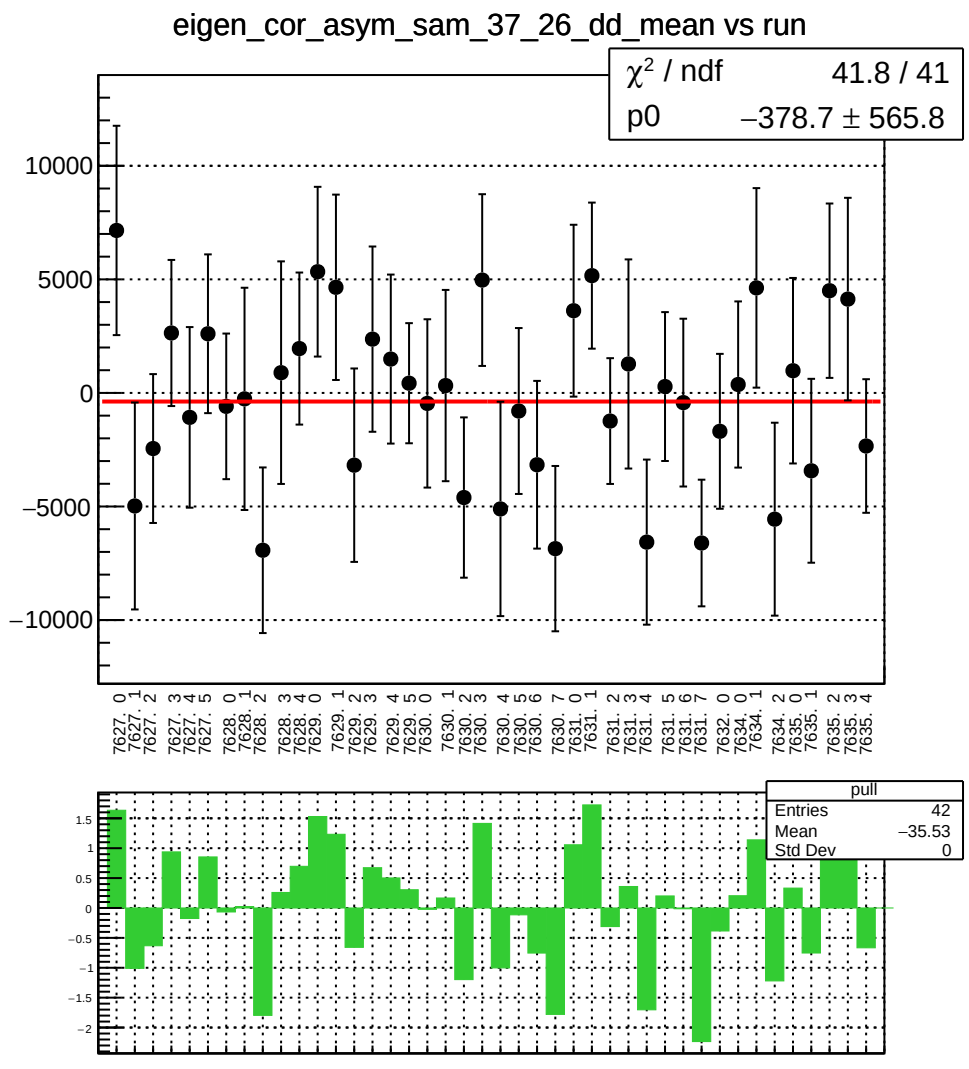
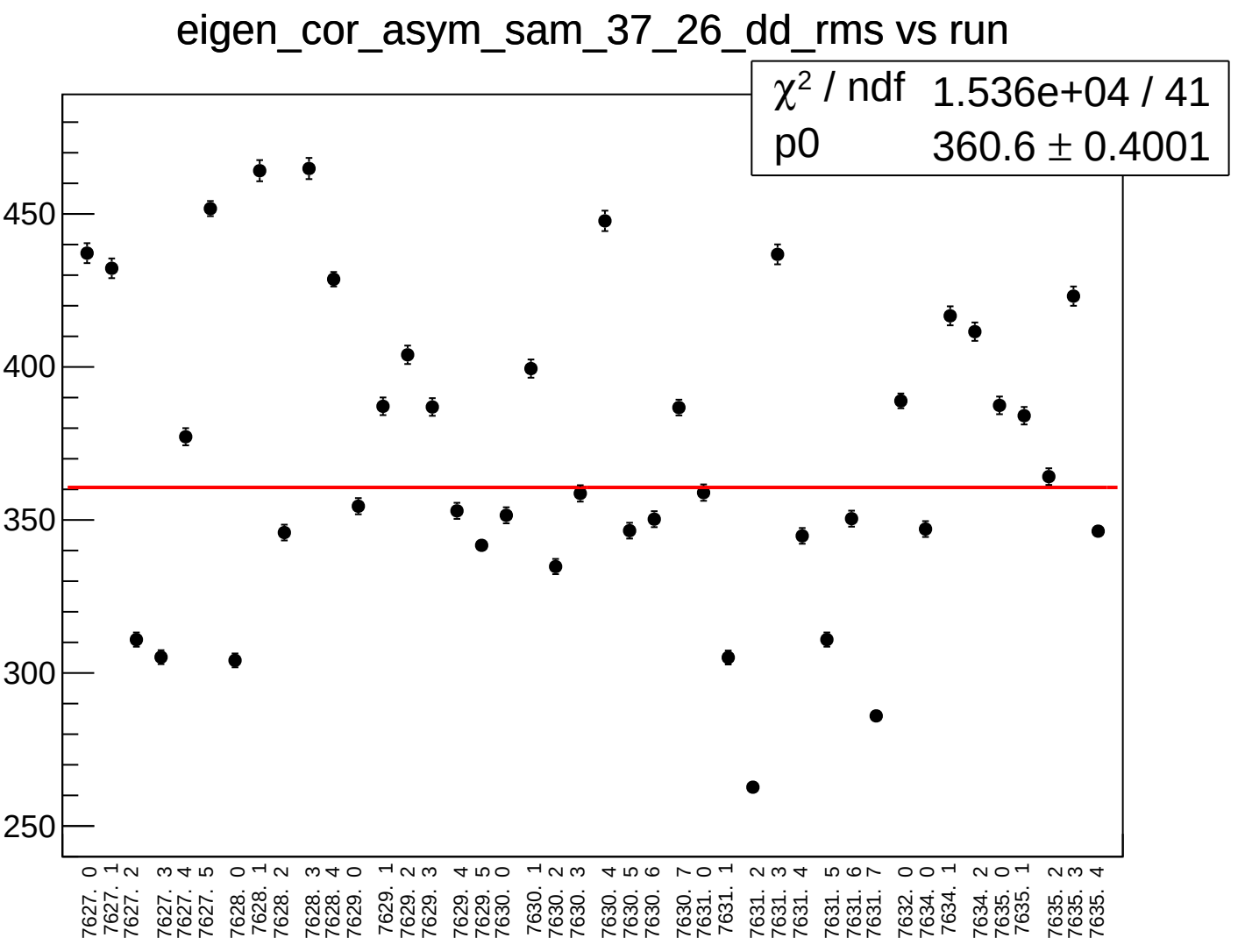
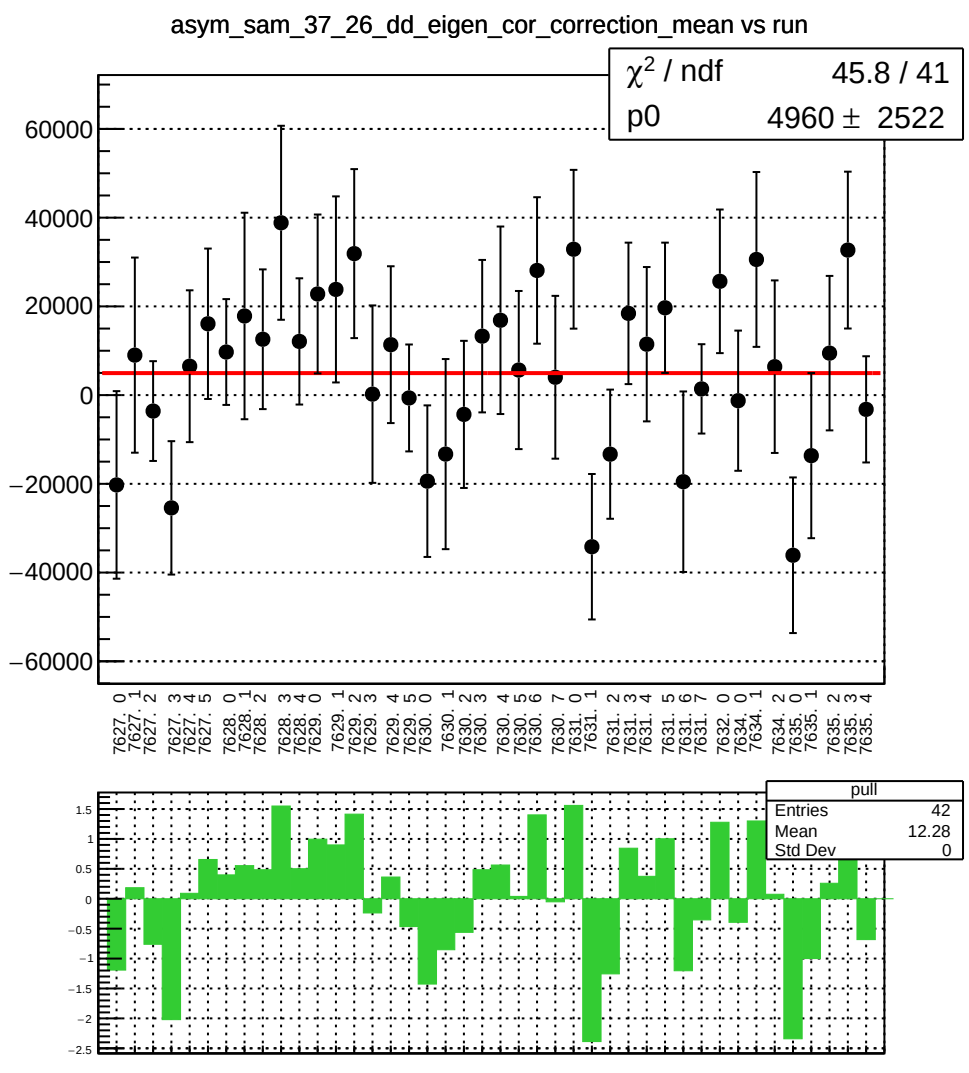
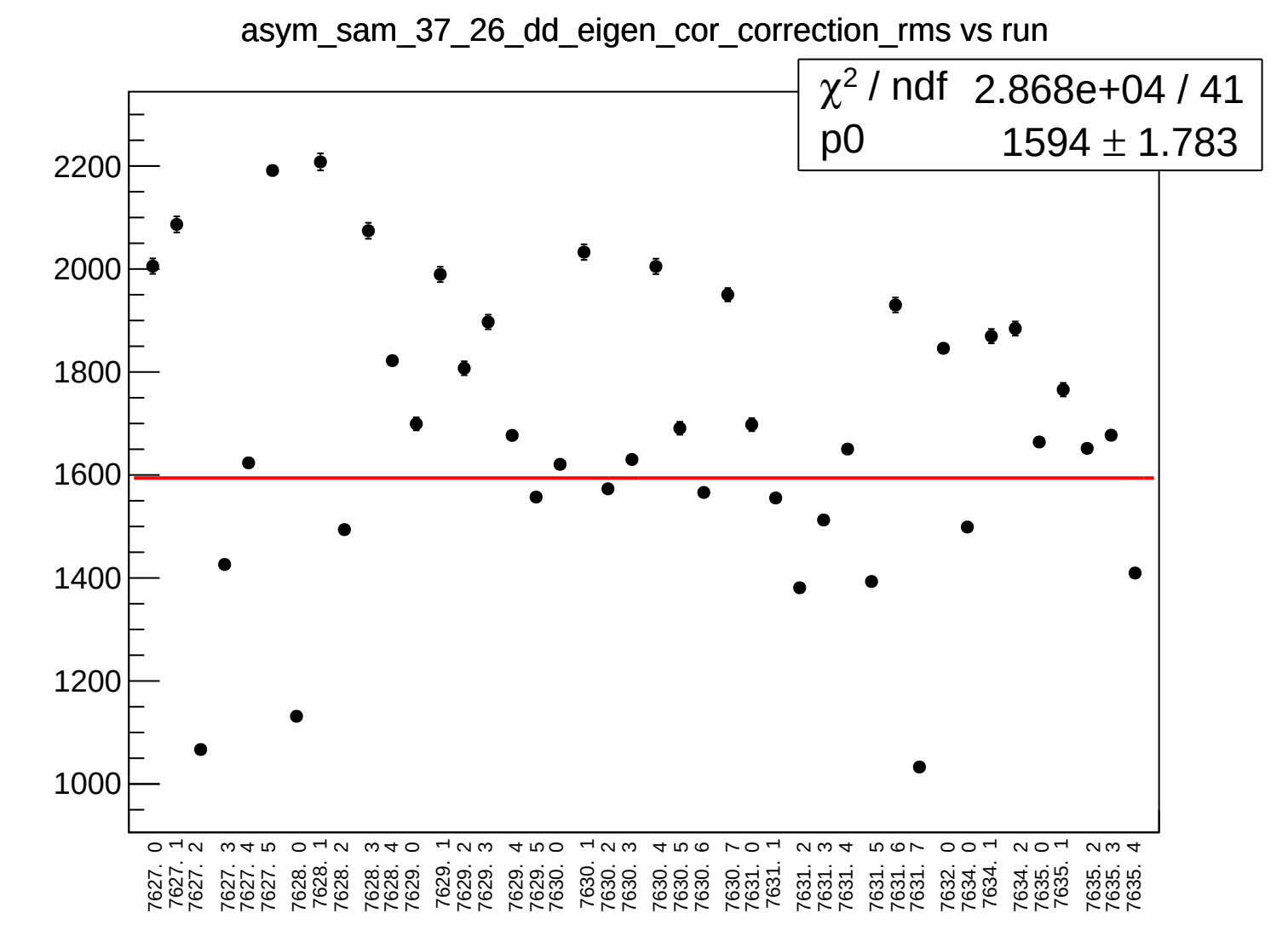
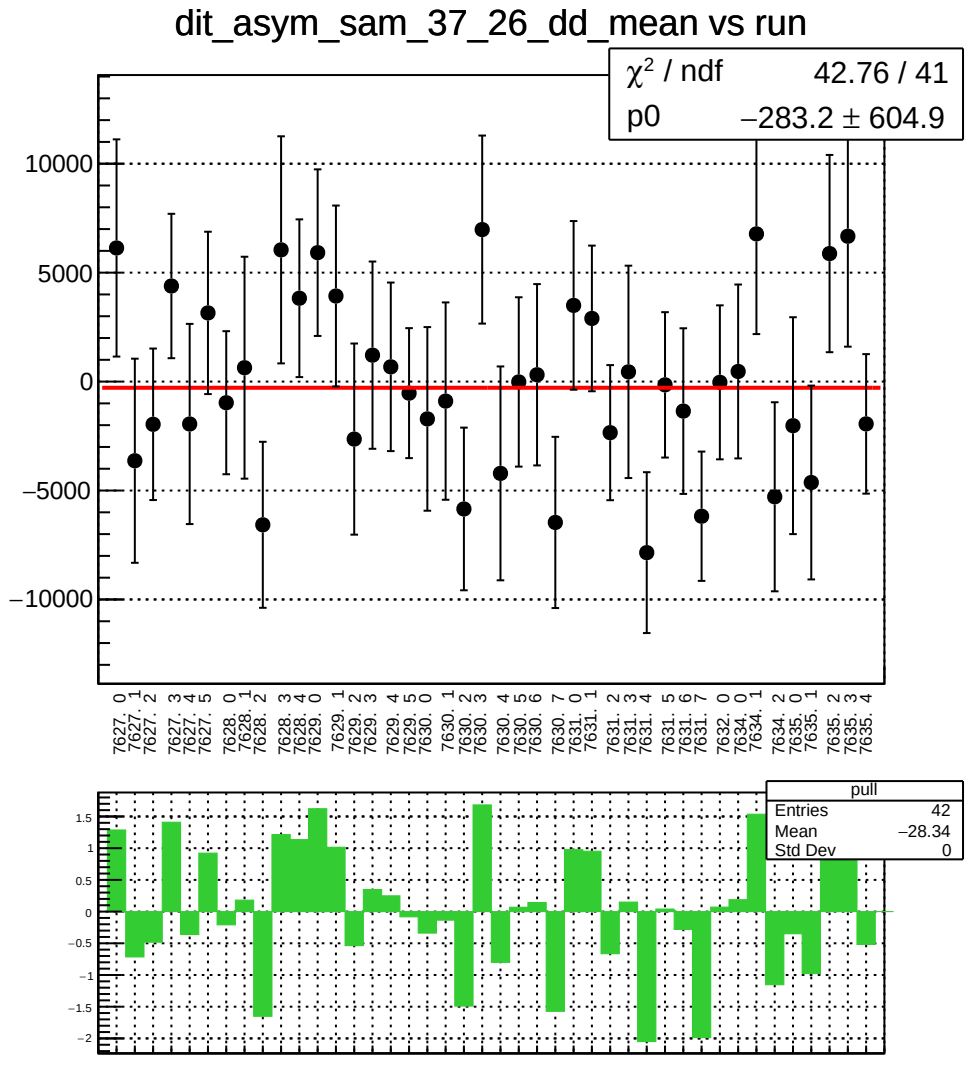
7635. 3
7635. 4

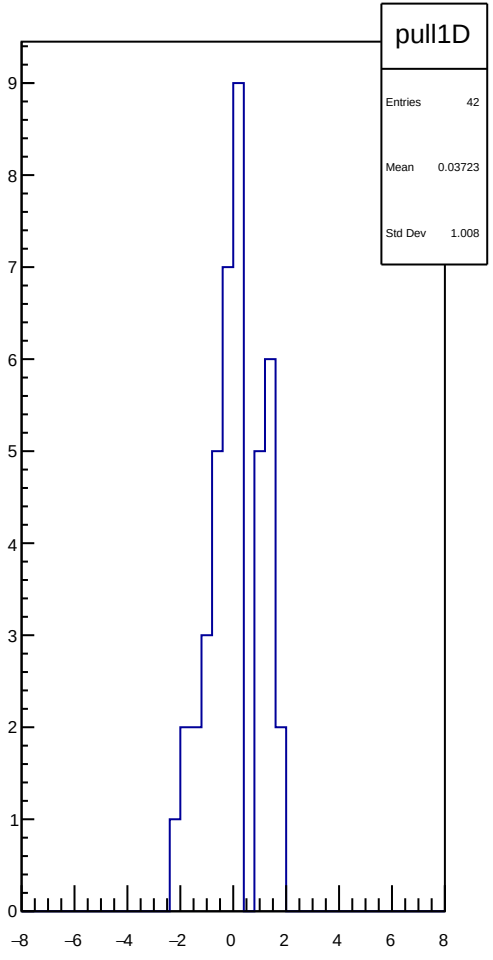

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 41.8 / 41
p0 −378.7 ± 565.8
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −35.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.02474
Std Dev 0.9973
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

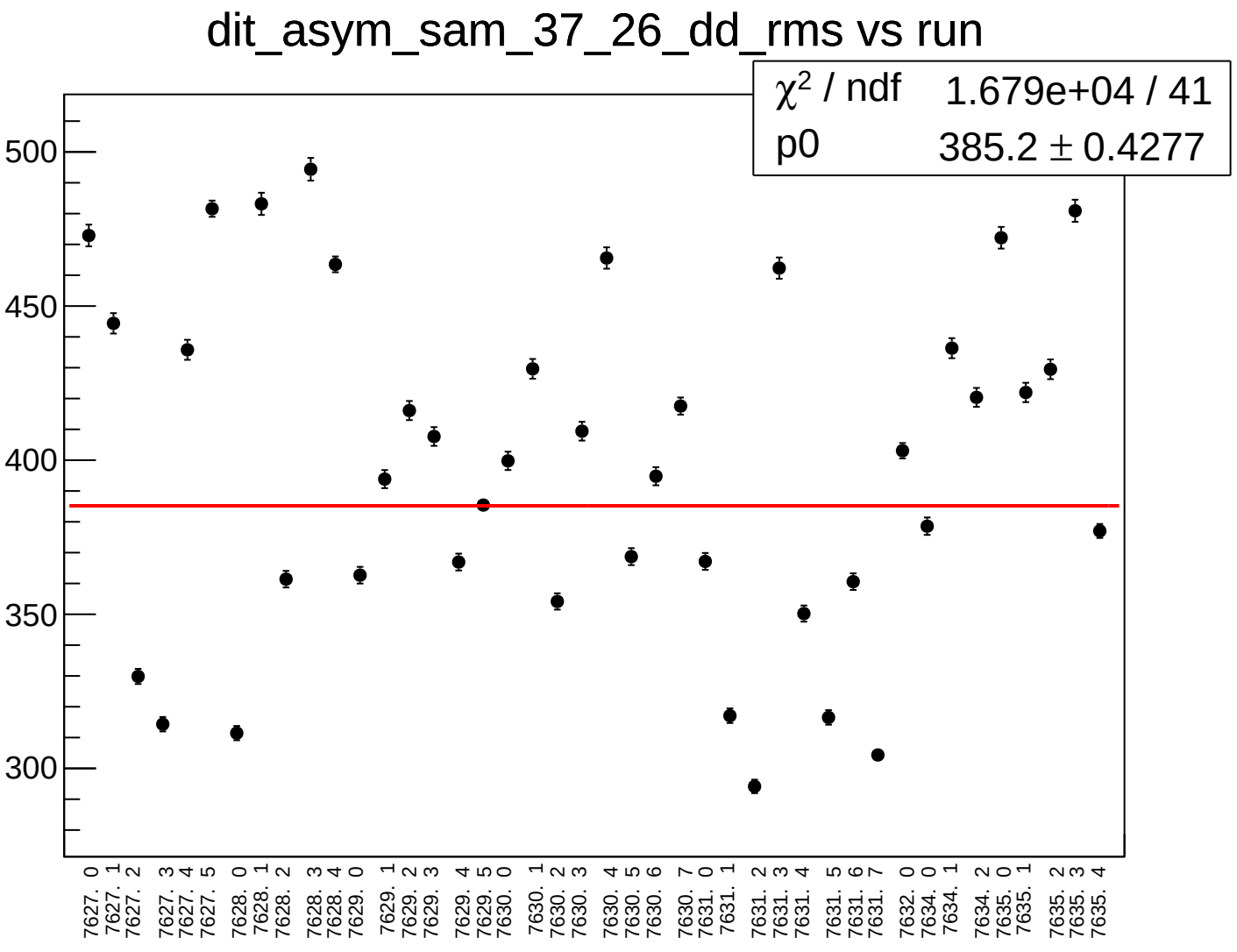

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.536e+04 / 41
p0 360.6 ± 0.4001
450
400
350
300
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

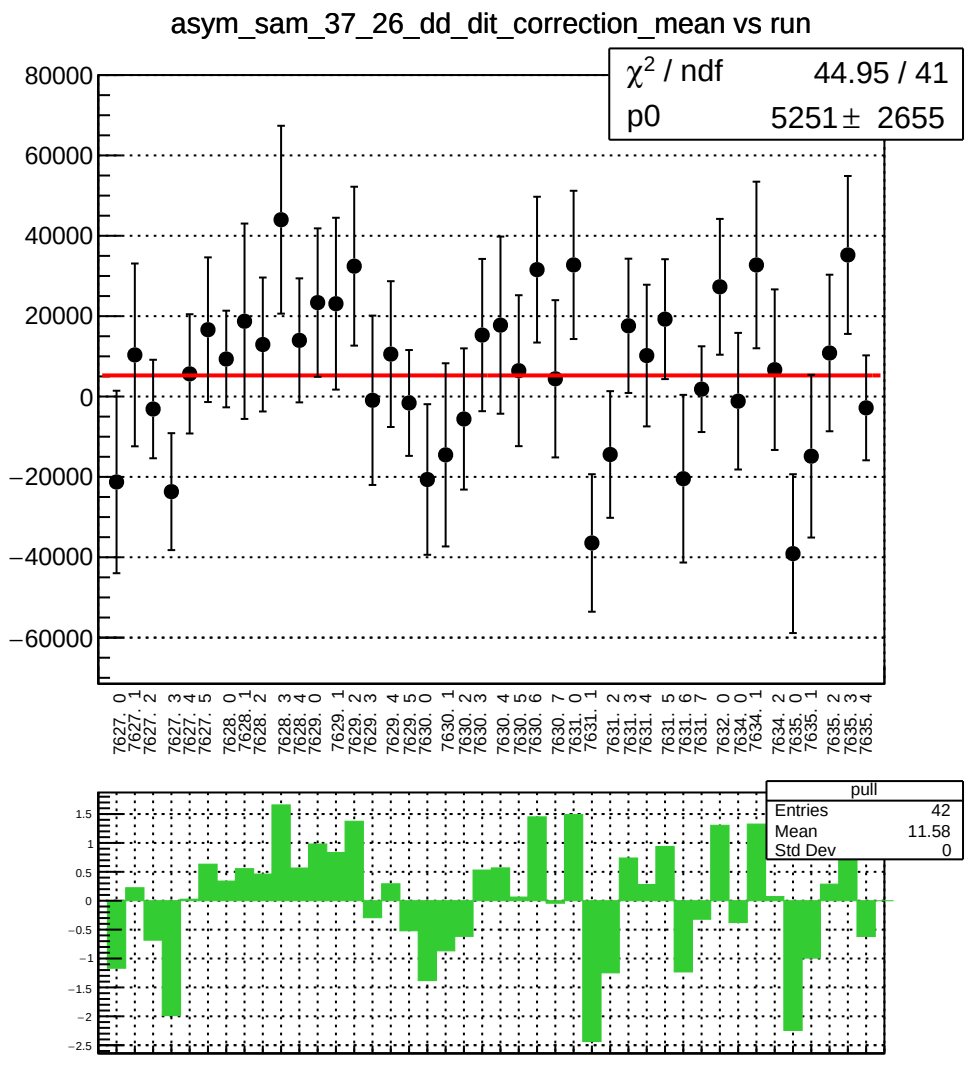

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 45.8 / 41
p0 4960 ± 2522
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.03949
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

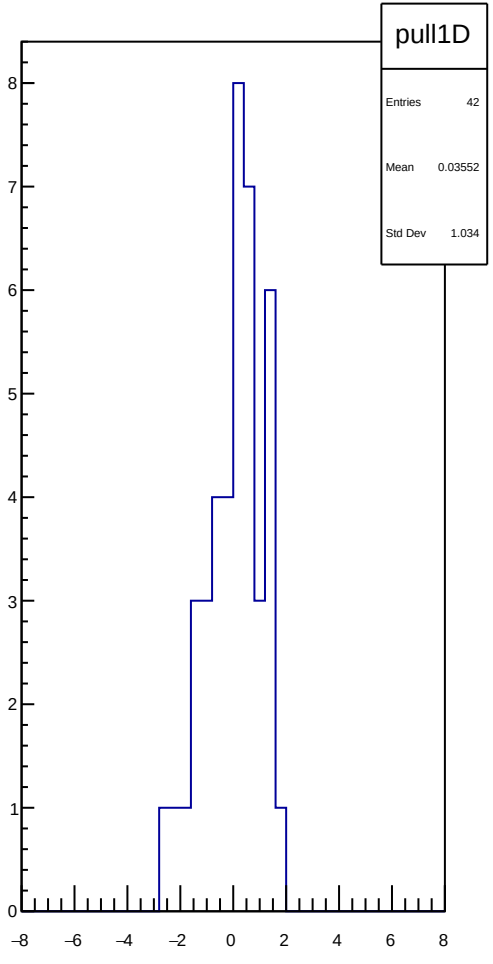

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.868e+04 / 41
p0 1594 ± 1.783
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

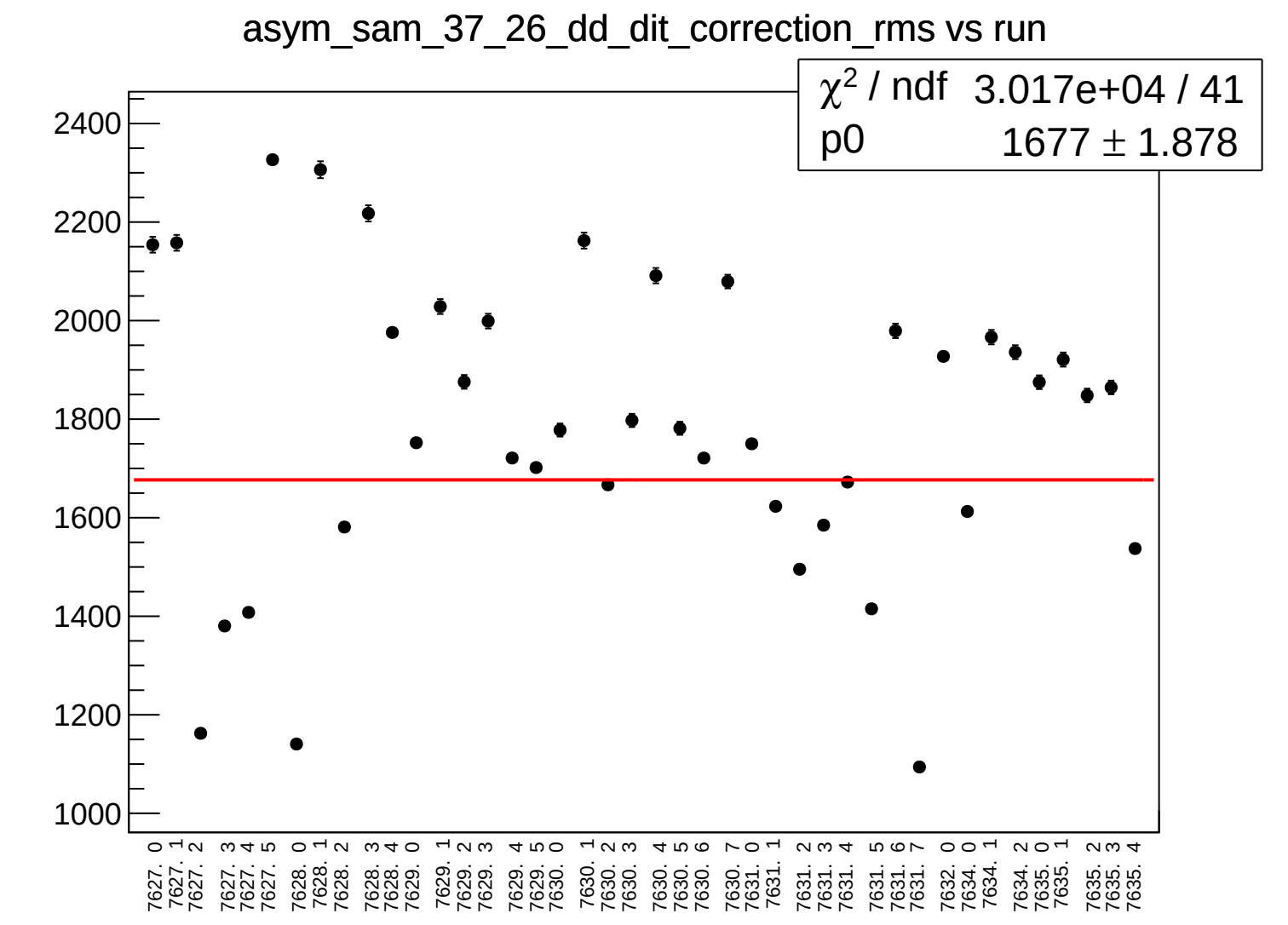

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 42.76 / 41
p0 −283.2 ± 604.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.34
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

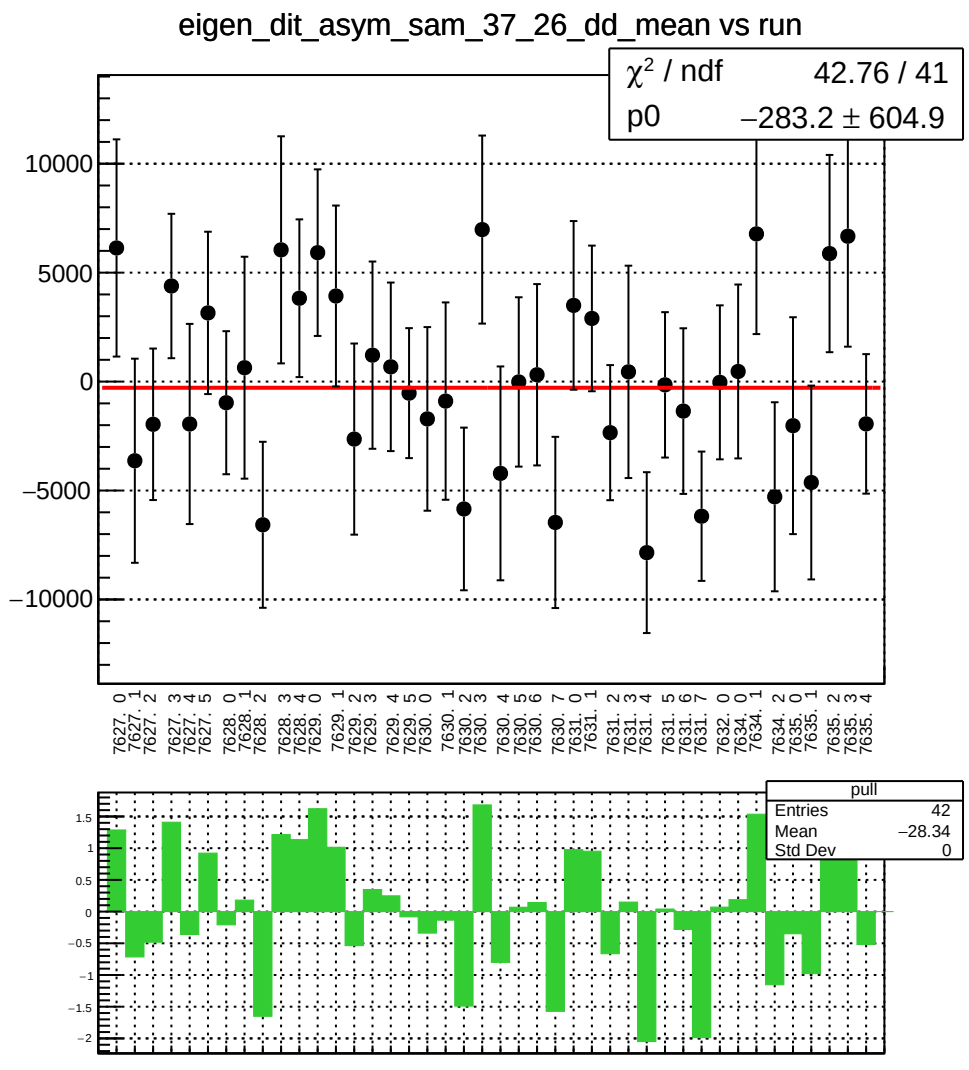

pull1D
Entries 42
Mean 0.03723
Std Dev 1.008
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

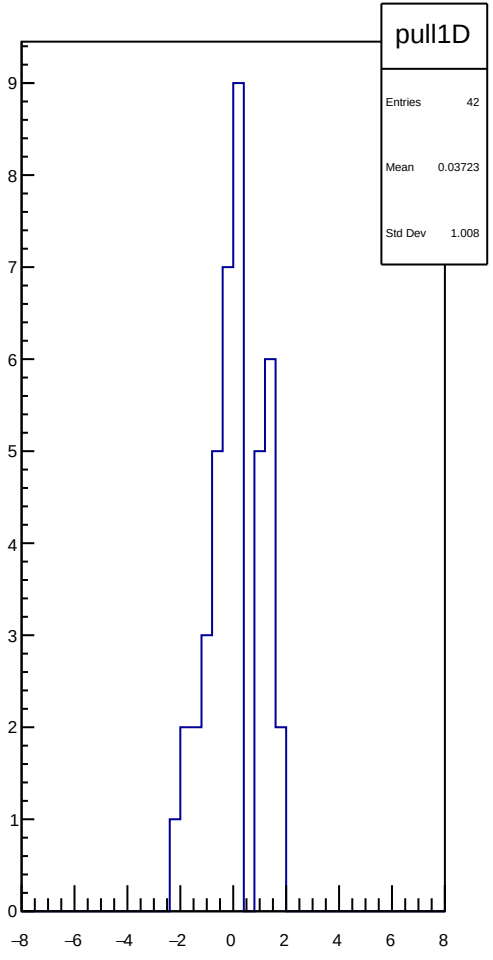

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.679e+04 / 41
p0 385.2 ± 0.4277
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

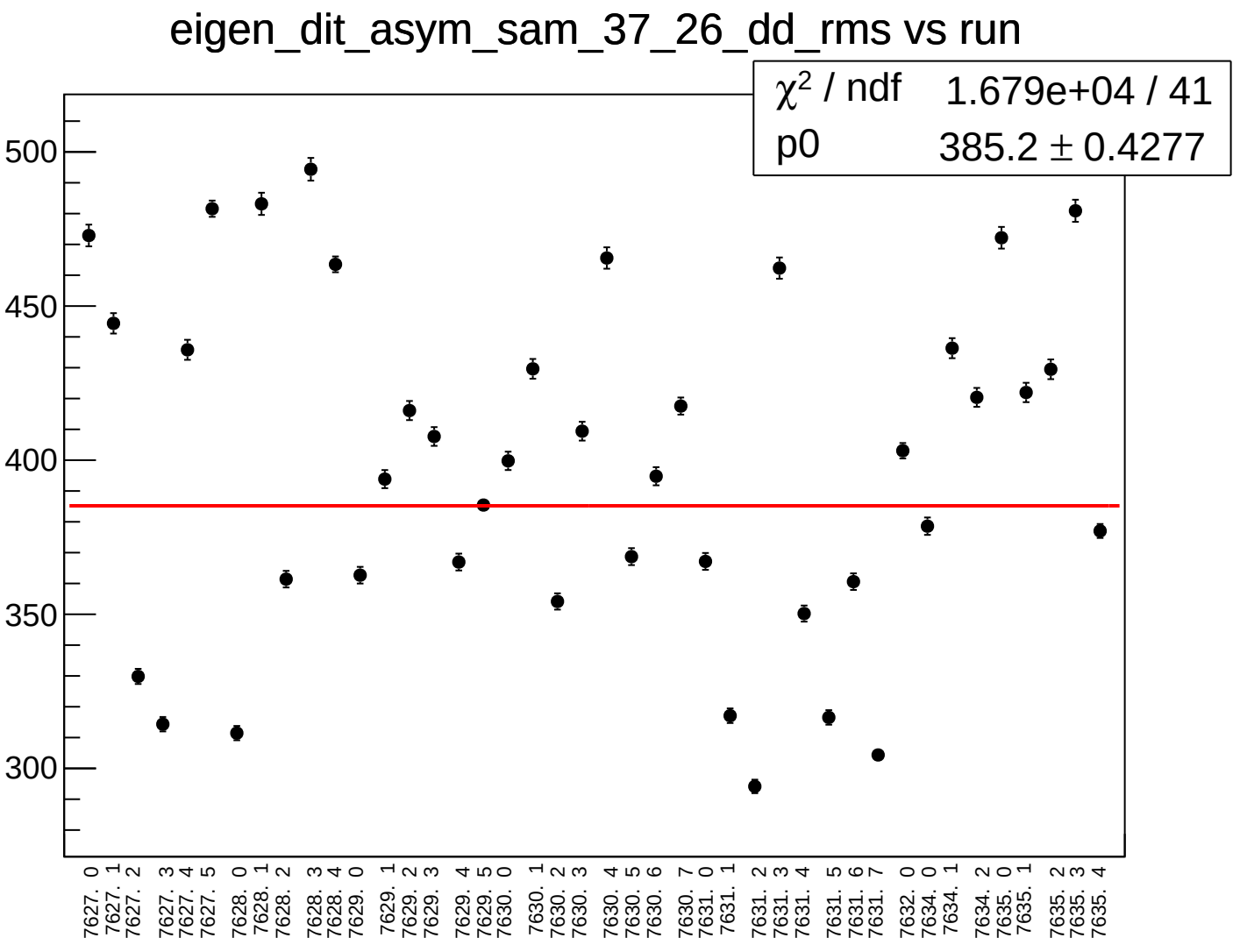

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 44.95 / 41
p0 5251 ± 2655
pull
Entries 42
Mean 11.58
Std Dev 0

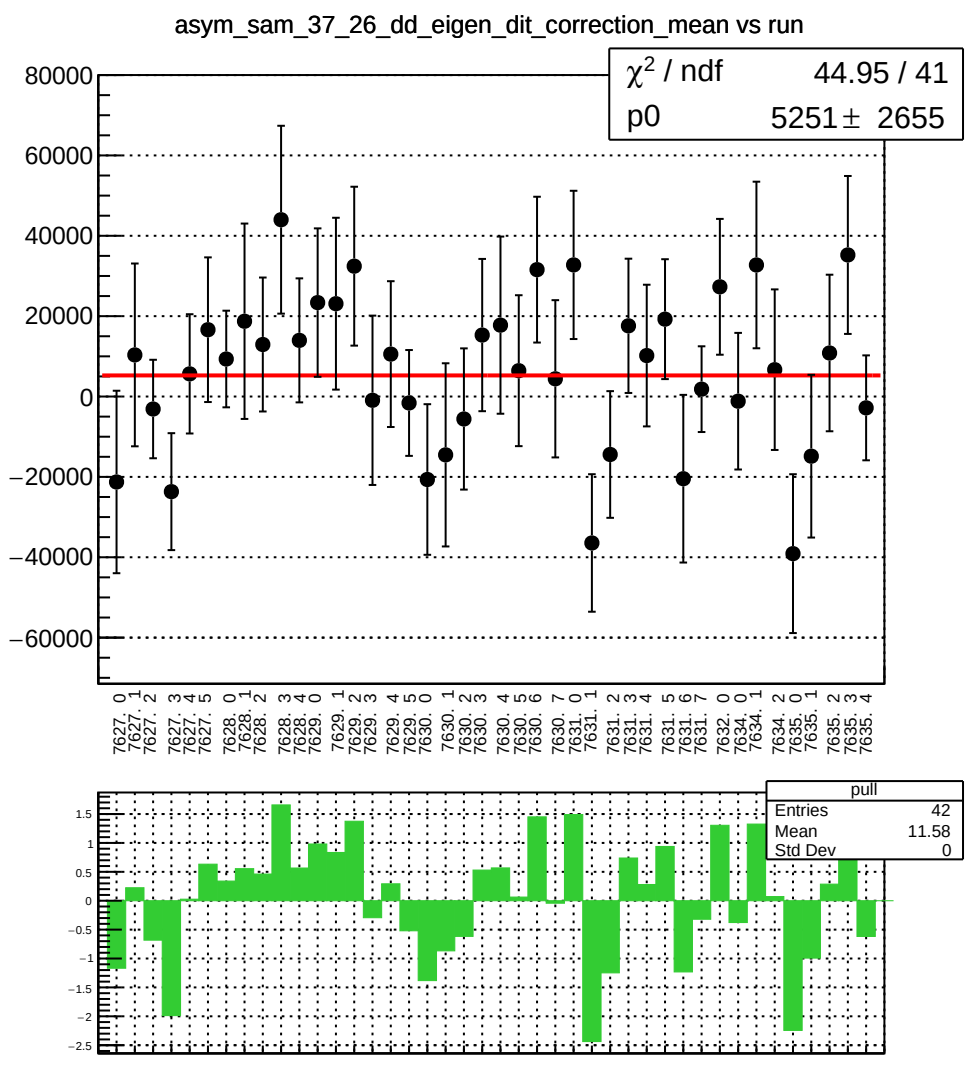

pull1D
Entries 42
Mean 0.03552
Std Dev 1.034

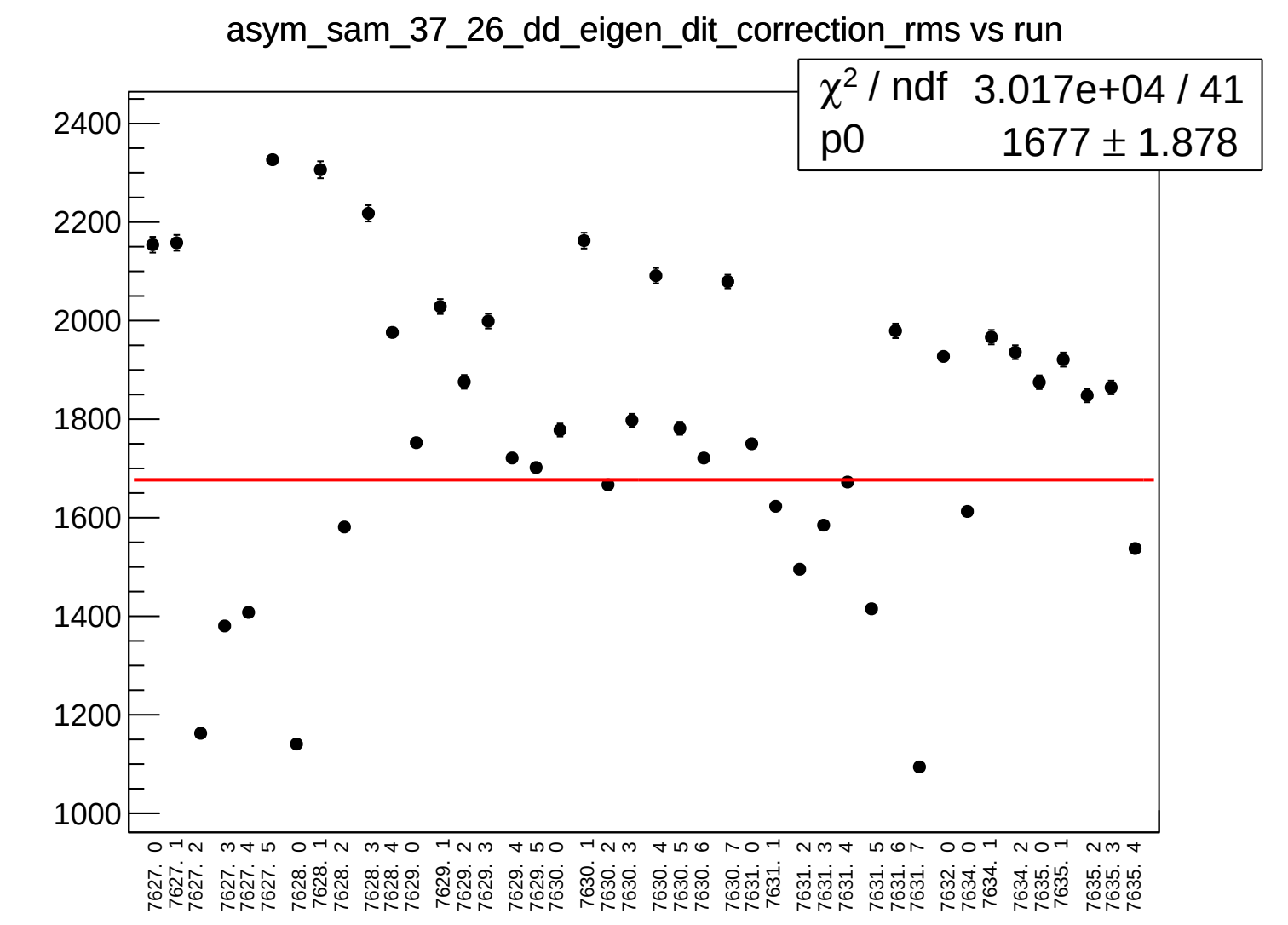

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 3.017e+04 / 41
p0 1677 ± 1.878
2400
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 42.76 / 41
p0 −283.2 ± 604.9
10000
5000
0
−5000
−10000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −28.34
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.03723
Std Dev 1.008
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.679e+04 / 41
p0 385.2 ± 0.4277
500
450
400
350
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.95 / 41
p0 5251 ± 2655
80000
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 11.58
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.03552
Std Dev 1.034
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 3.017e+04 / 41
p0 1677 ± 1.878
2400
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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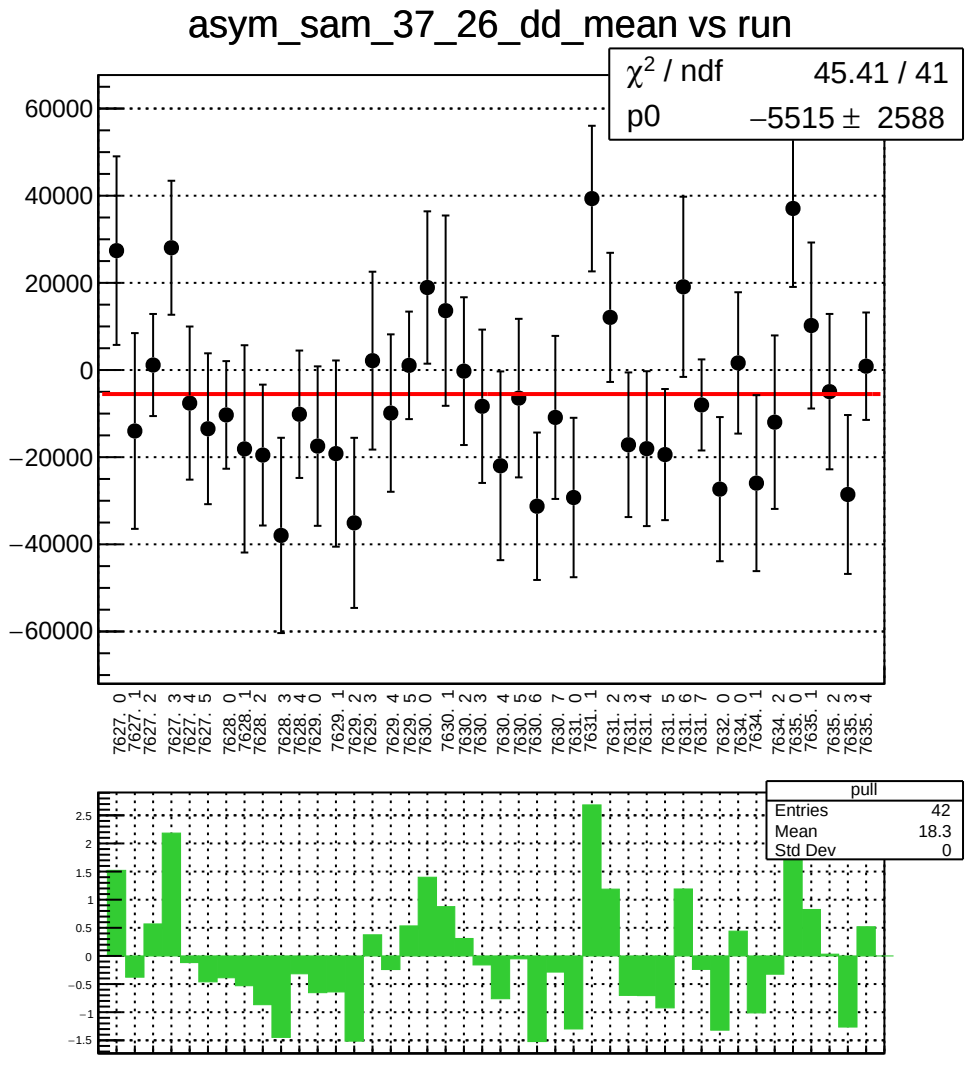
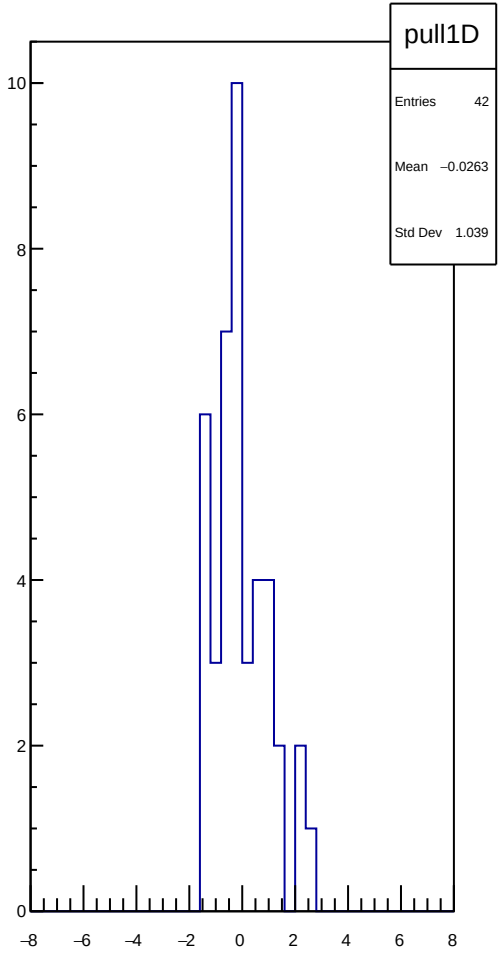
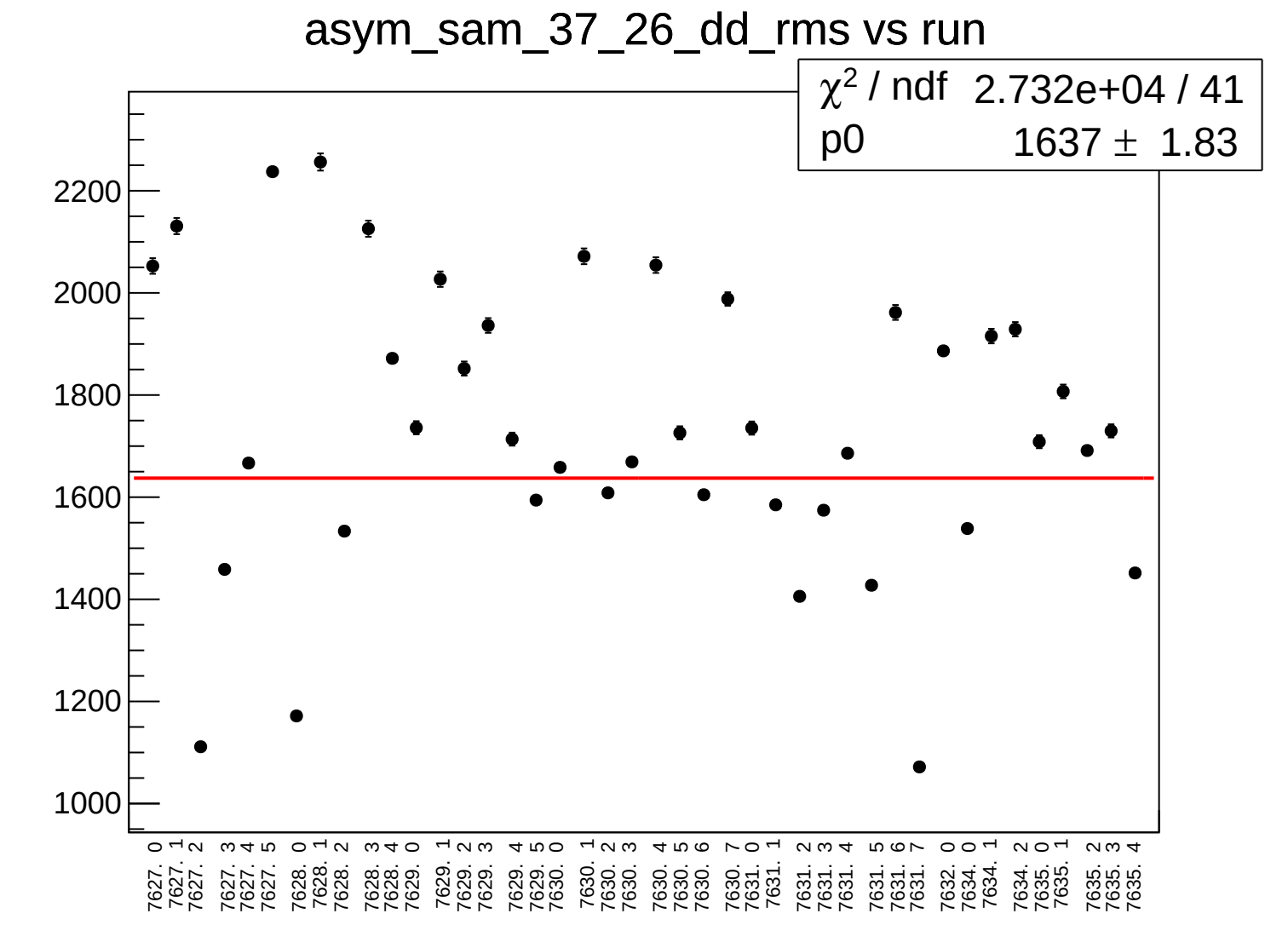
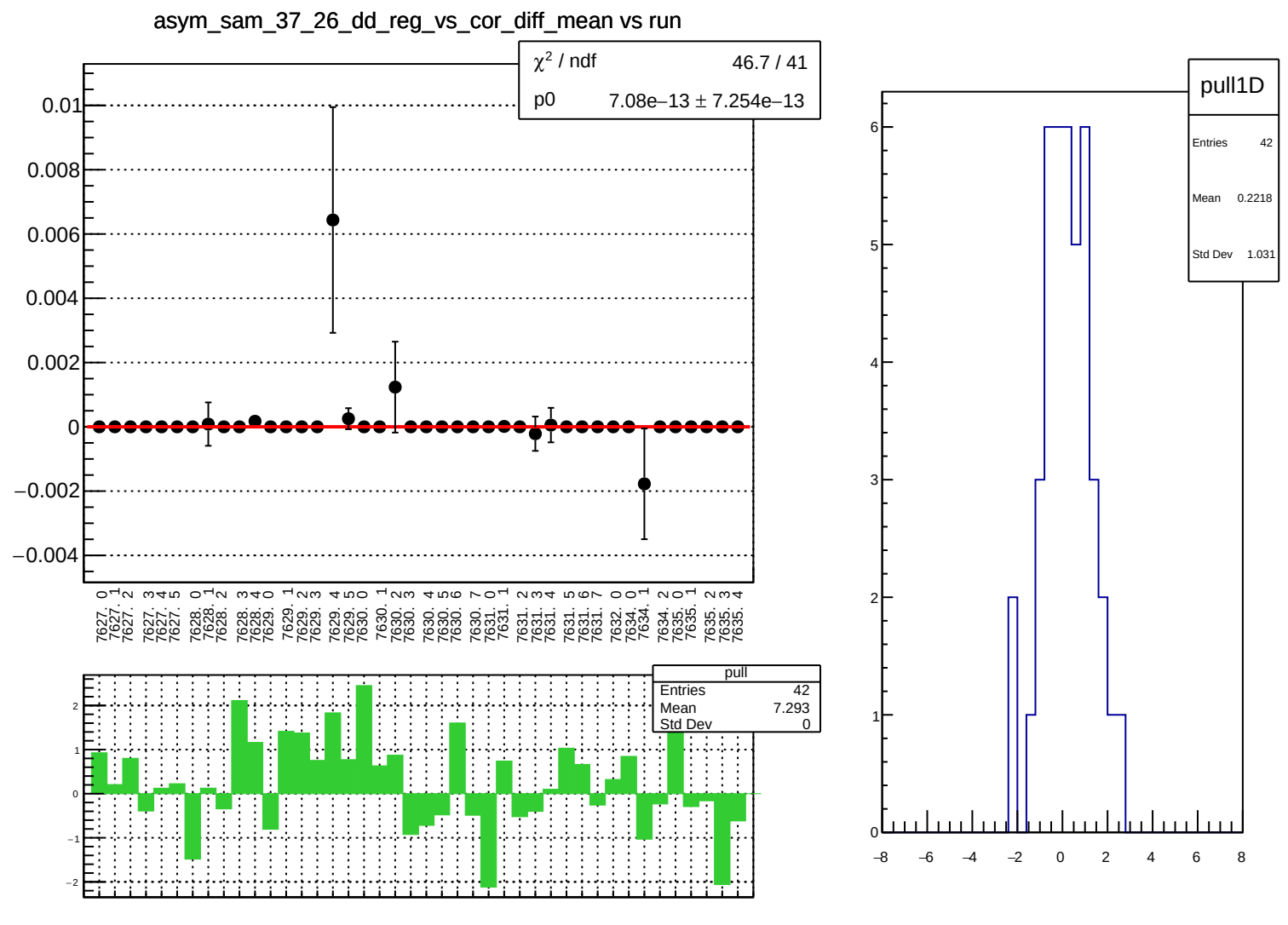
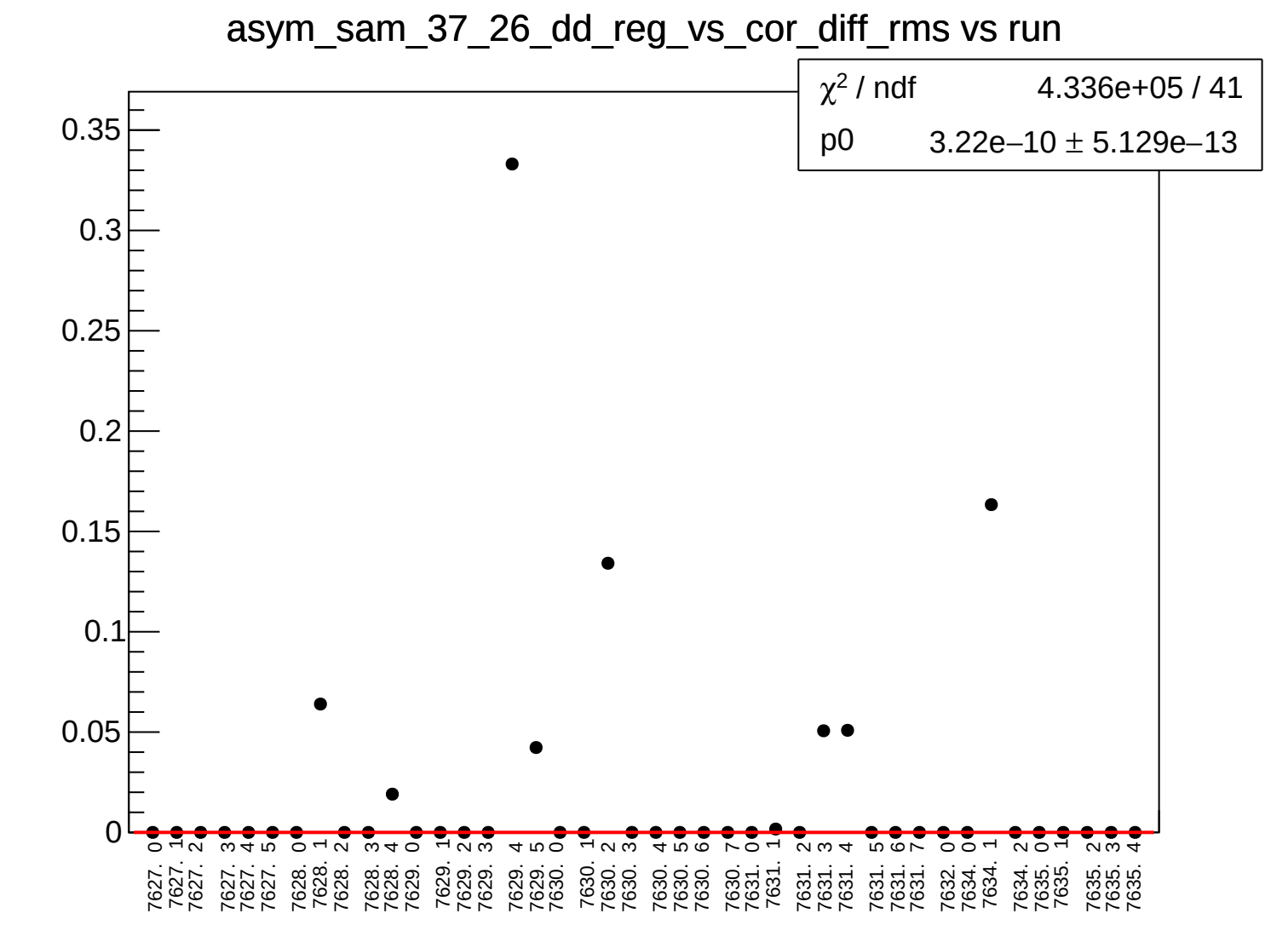
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

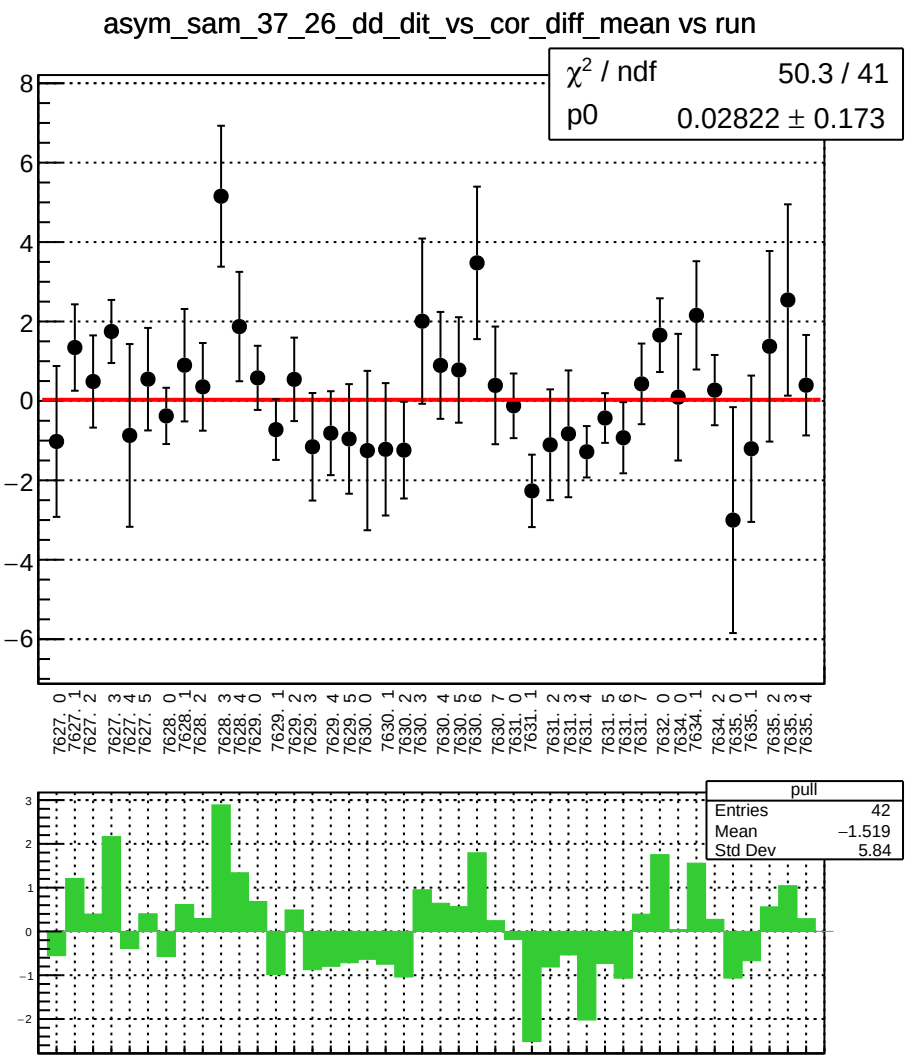

asym_sam_37_26_dd_mean vs run
χ² / ndf 45.41 / 41
p0 −5515 ± 2588
60000
40000
20000
0
−20000
−40000
−60000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 18.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

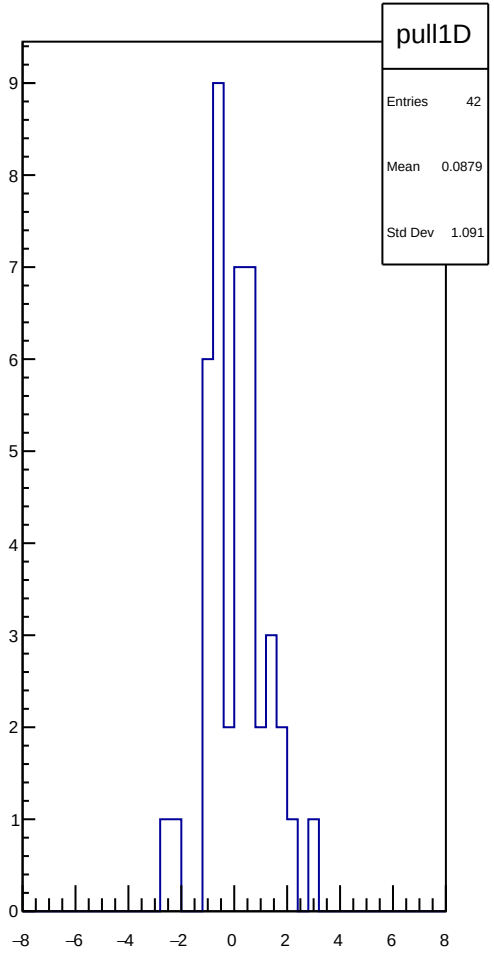

pull1D
Entries 42
Mean −0.0263
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

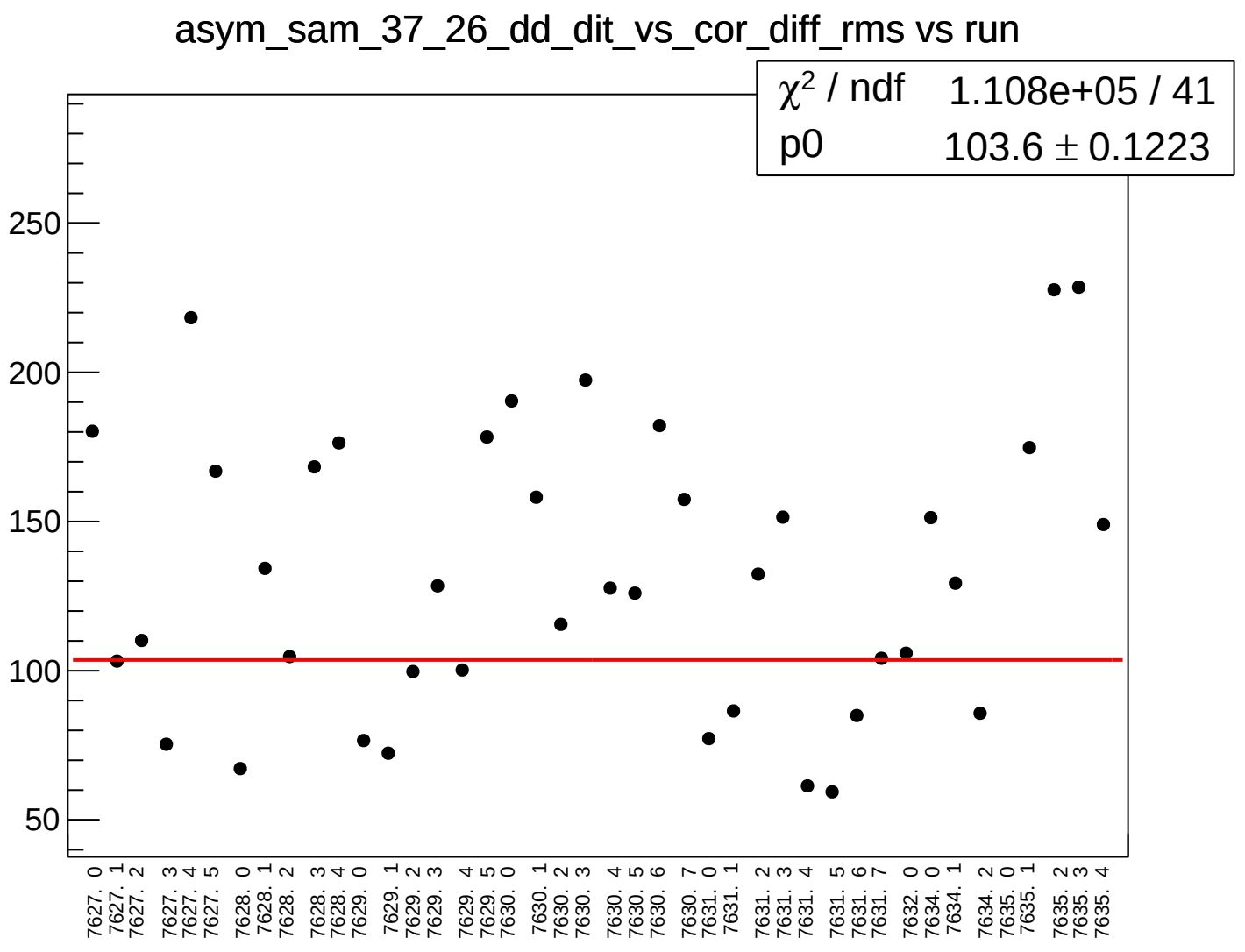

asym_sam_37_26_dd_rms vs run
χ² / ndf 2.732e+04 / 41
p0 1637 ± 1.83
2200
2000
1800
1600
1400
1200
1000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

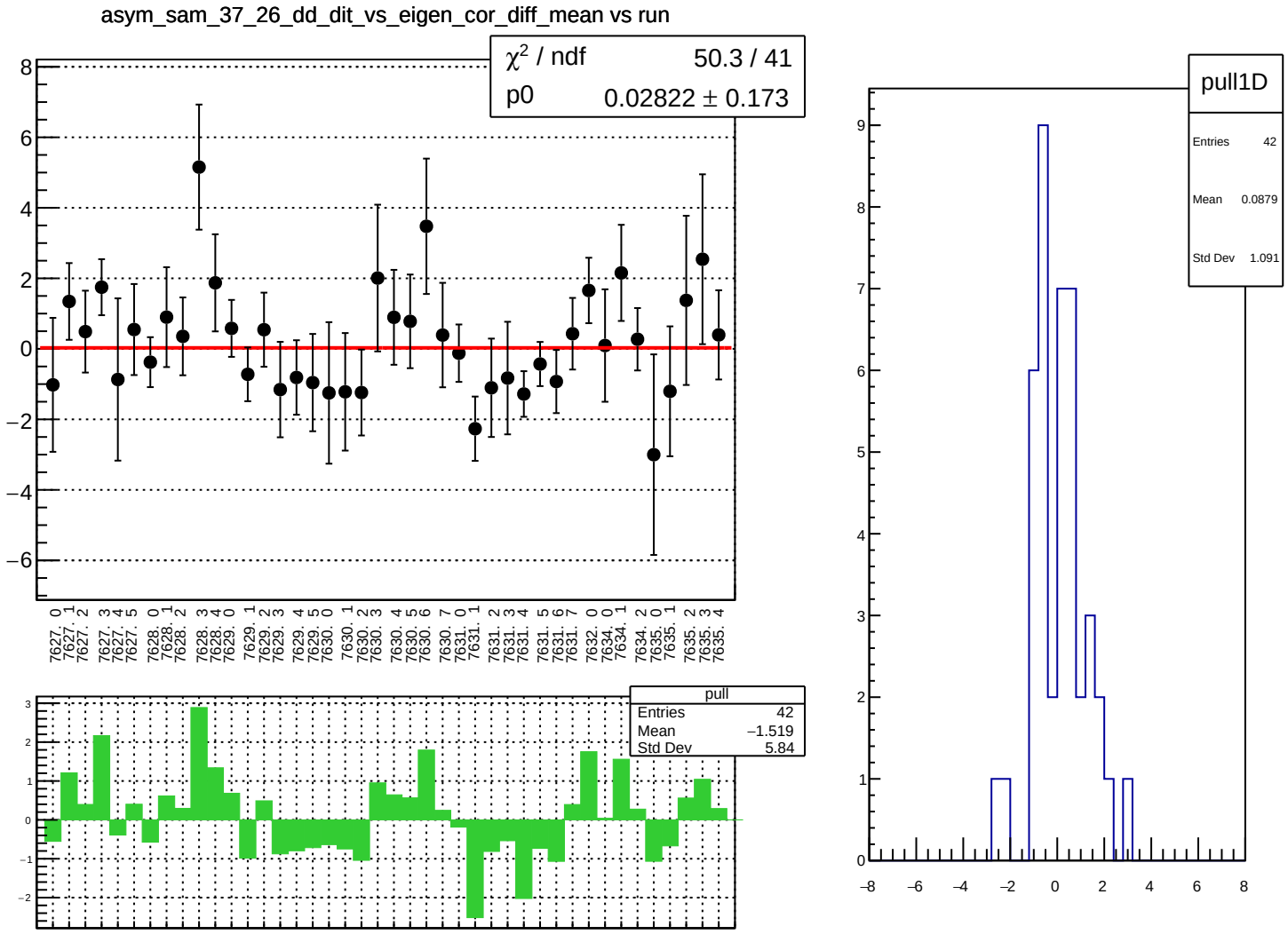

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.7 / 41
p0 7.08e−13 ± 7.254e−13
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 7.293
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.2218
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

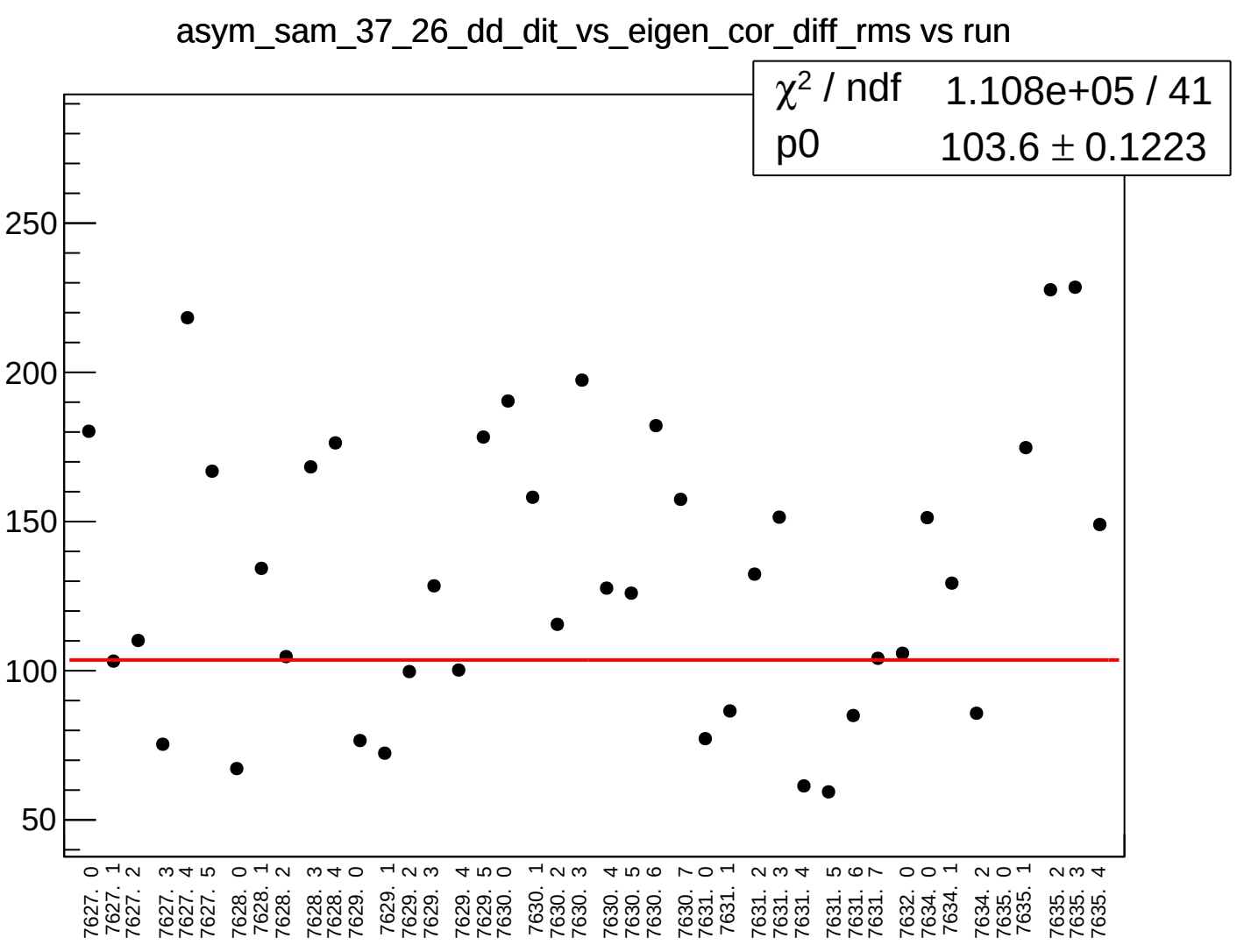

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.336e+05 / 41
p0 3.22e−10 ± 5.129e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

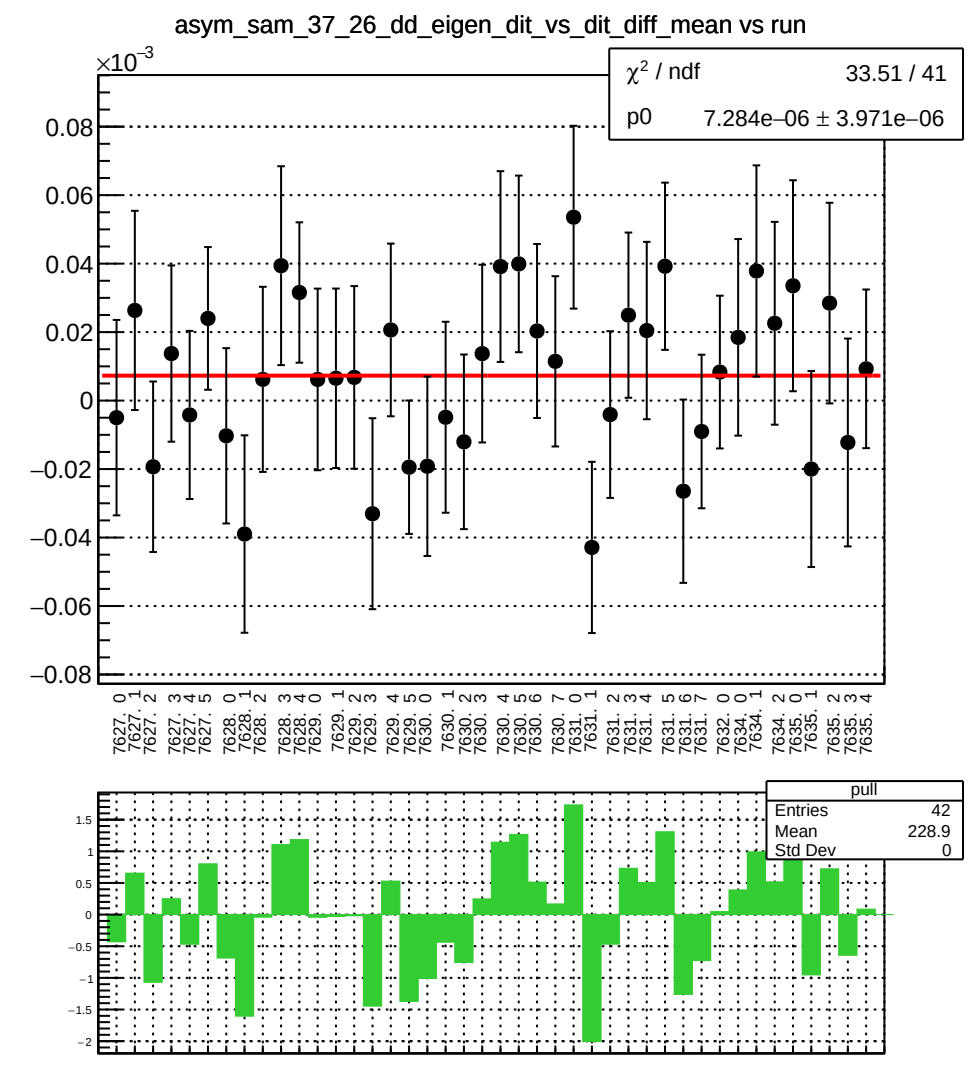

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.3 / 41
p0 0.02822 ± 0.173
pull
Entries 42
Mean −1.519
Std Dev 5.84

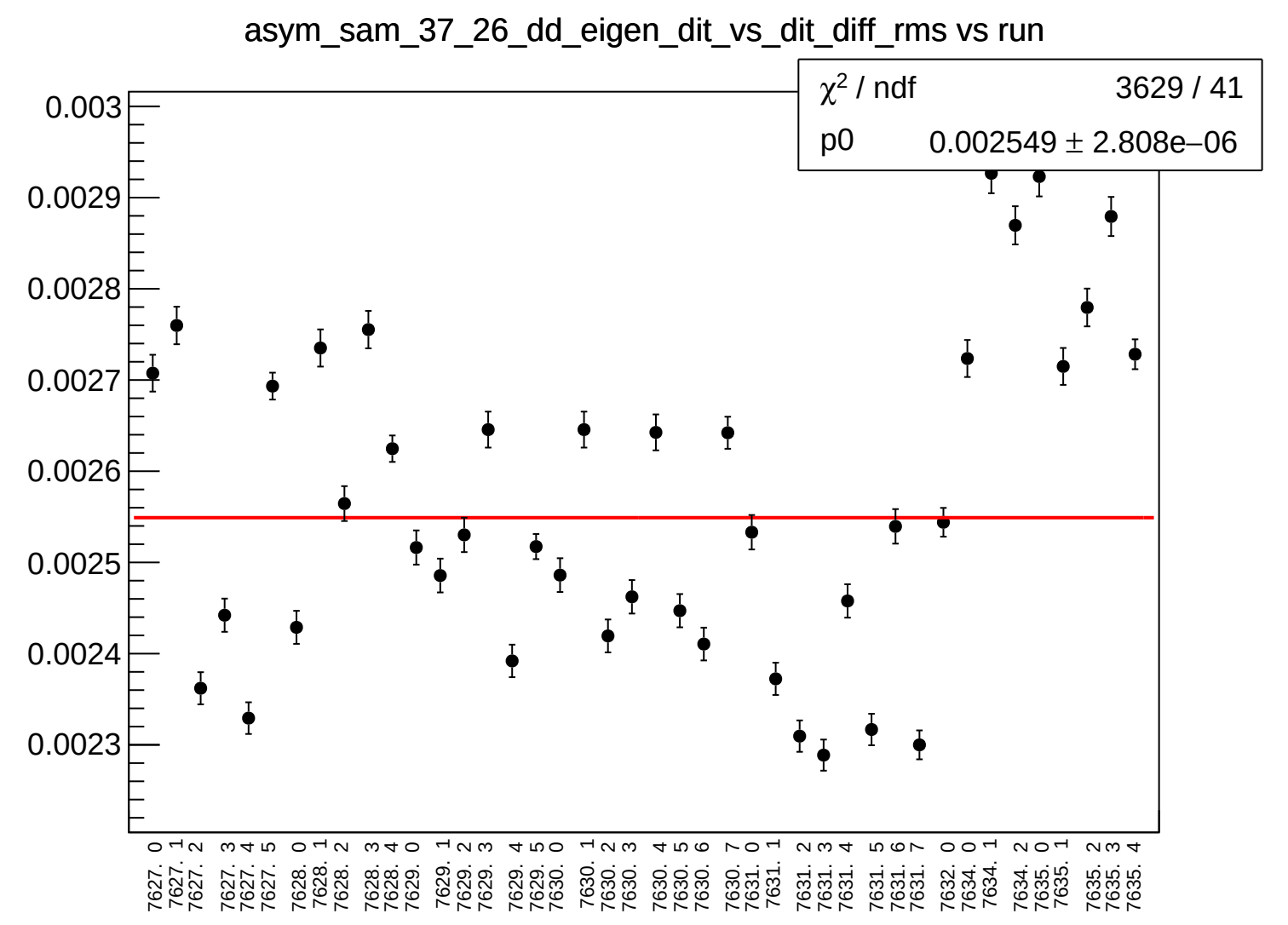

pull1D
Entries 42
Mean 0.0879
Std Dev 1.091

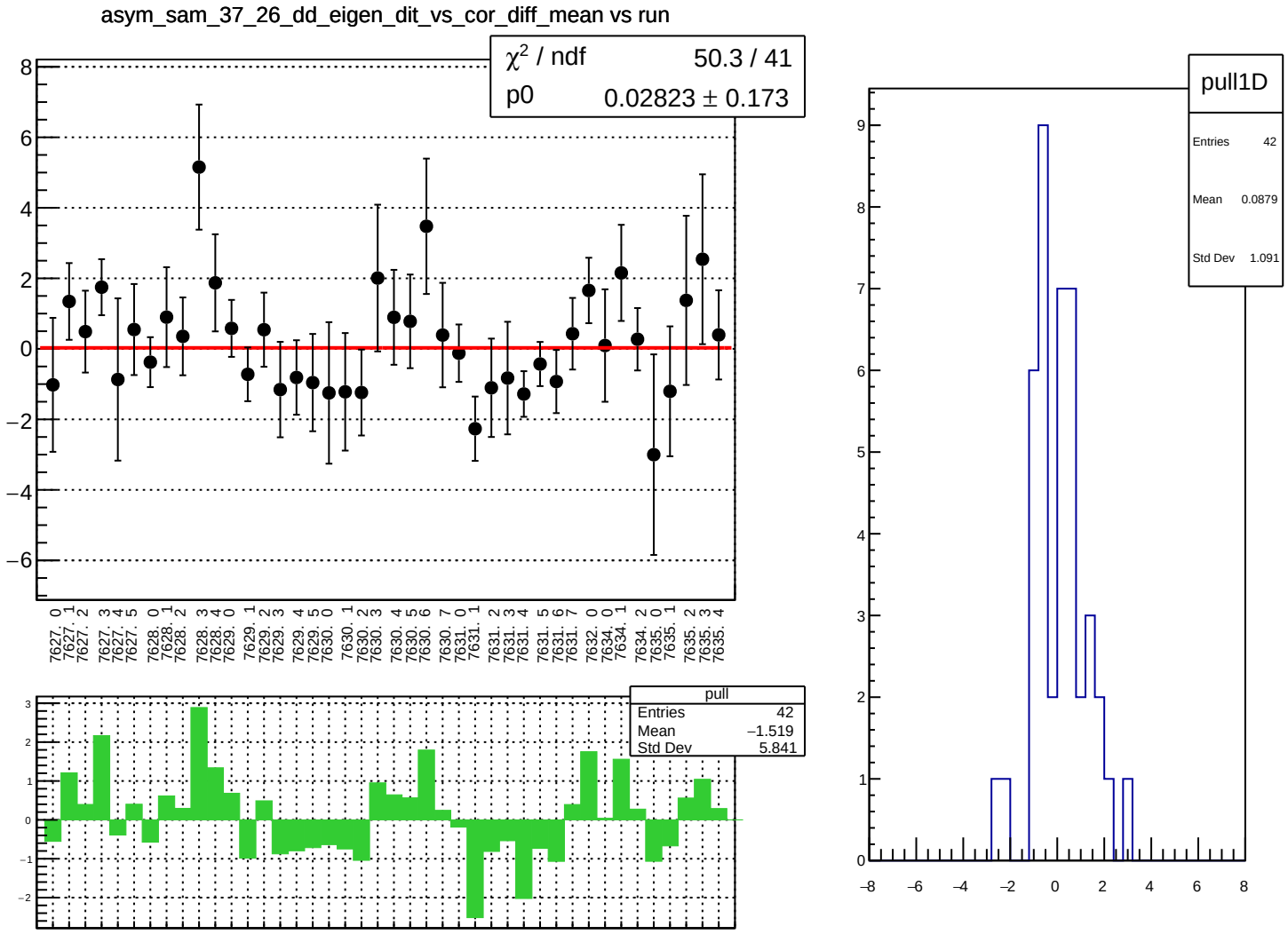

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 41
p0 103.6 ± 0.1223
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

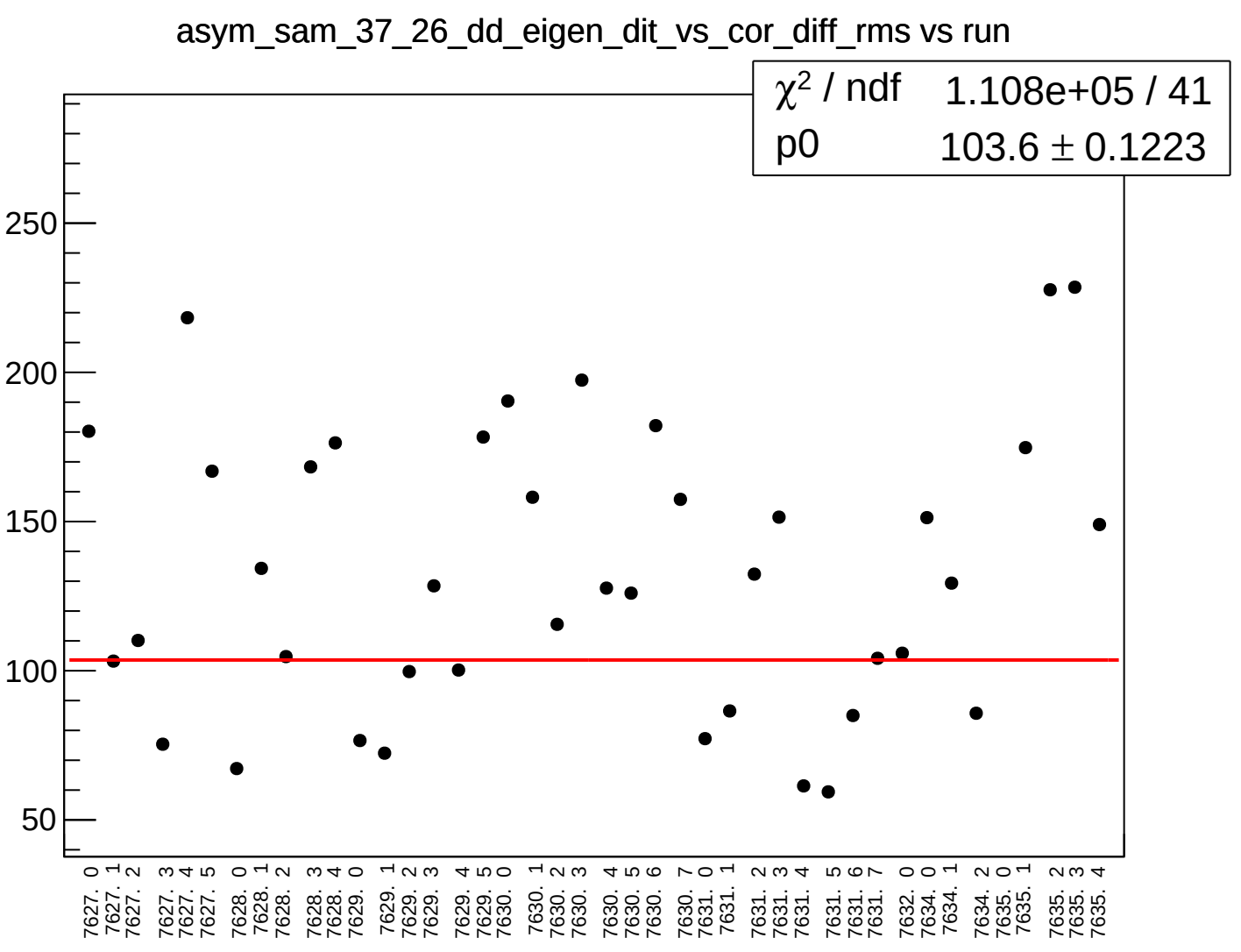

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.3 / 41
p0 0.02822 ± 0.173
pull
Entries 42
Mean −1.519
Std Dev 5.84
pull1D
Entries 42
Mean 0.0879
Std Dev 1.091

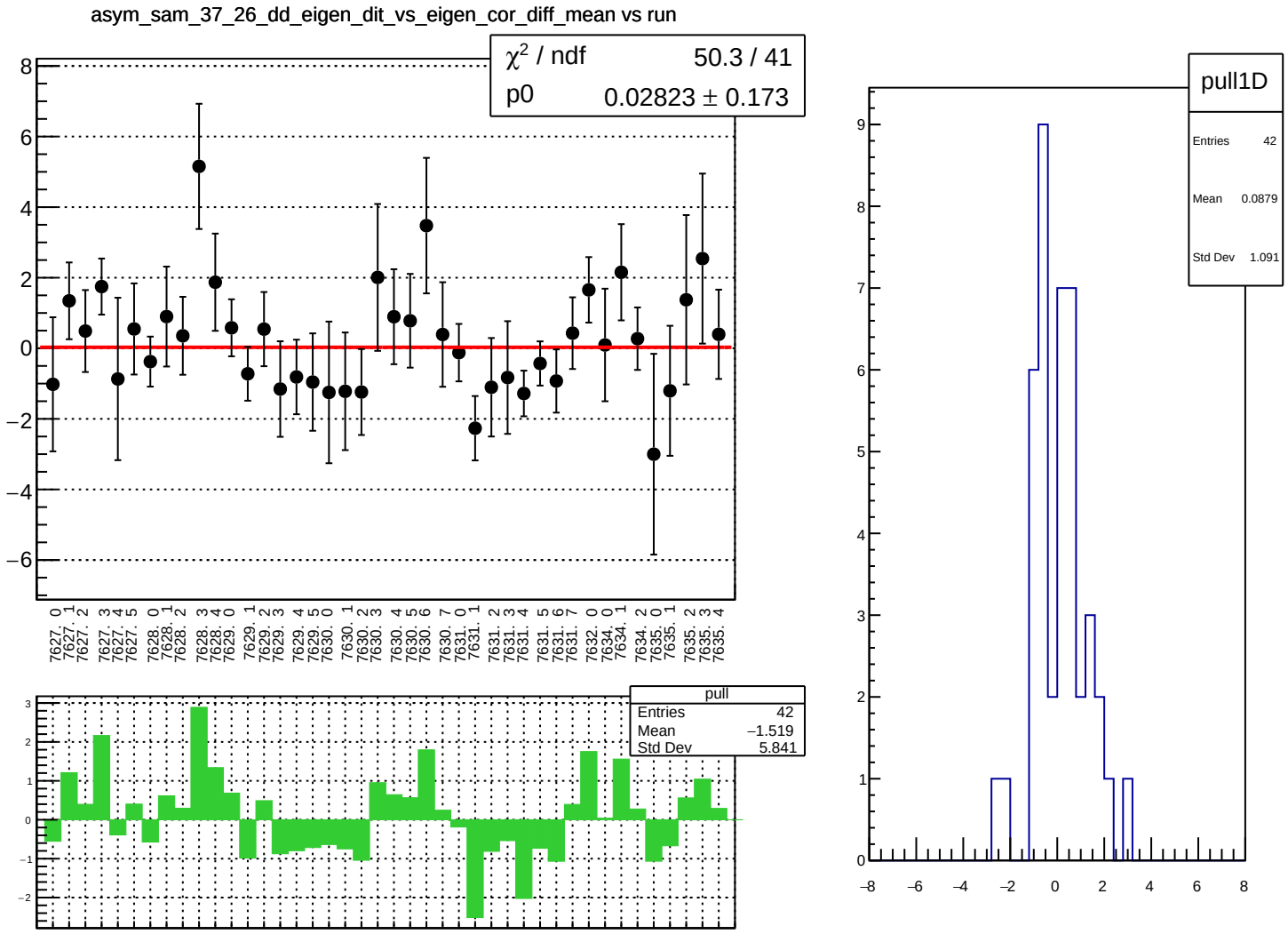

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 41
p0 103.6 ± 0.1223
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

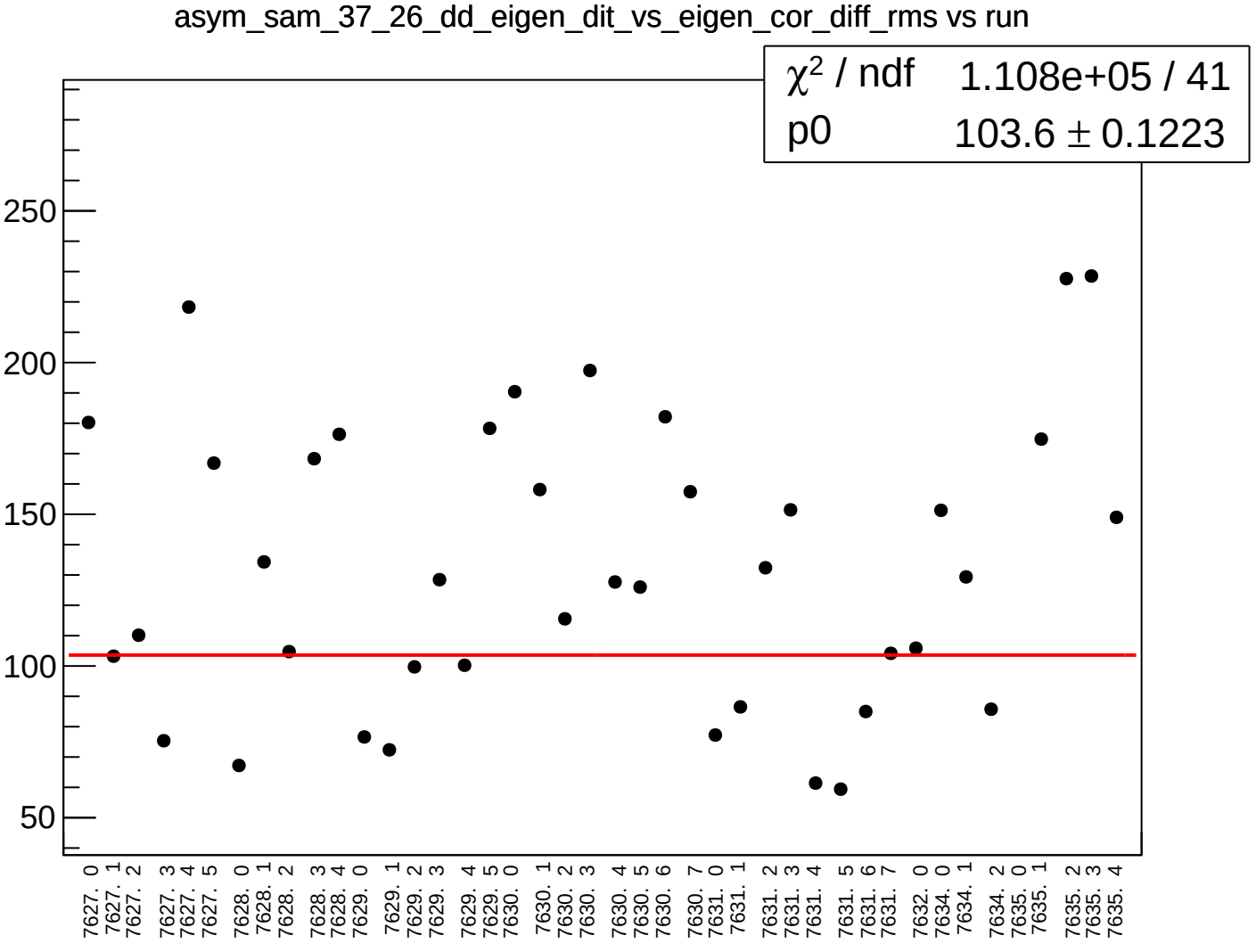

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 33.51 / 41
p0 7.284e−06 ± 3.971e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 228.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.006833
Std Dev 0.8932
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

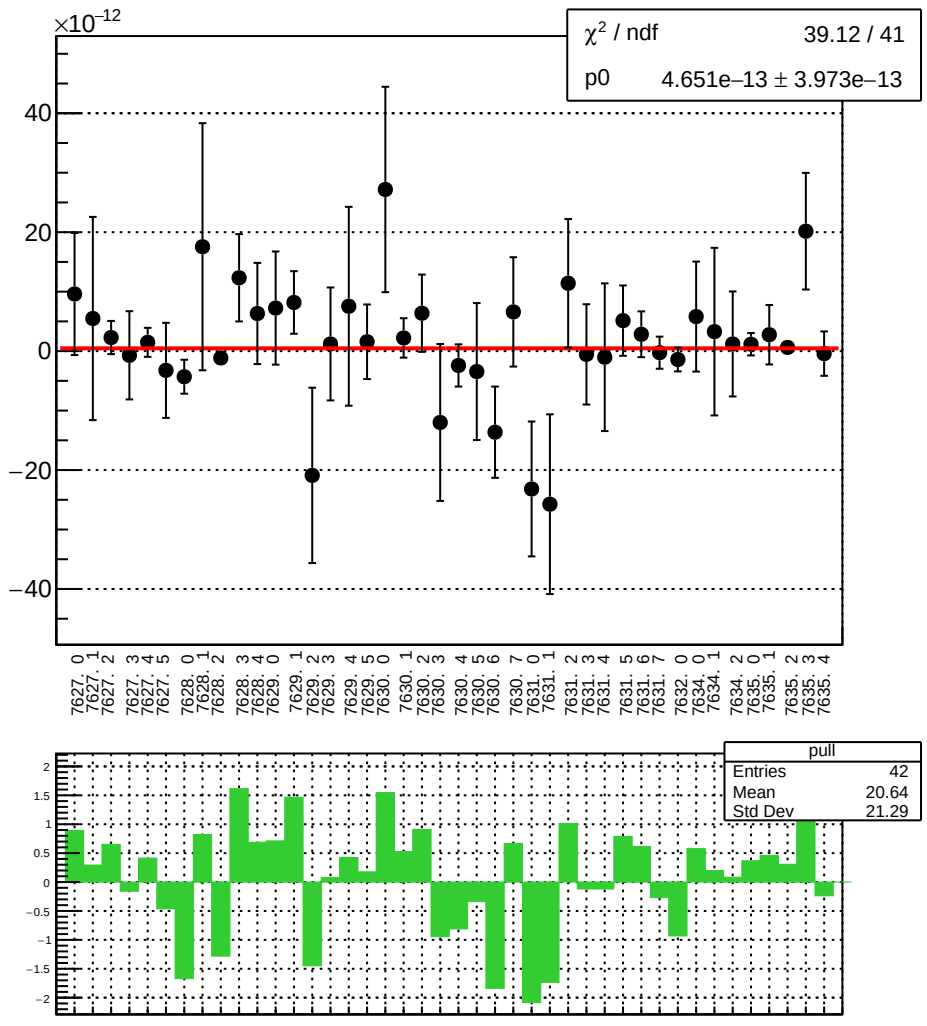

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3629 / 41
p0 0.002549 ± 2.808e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

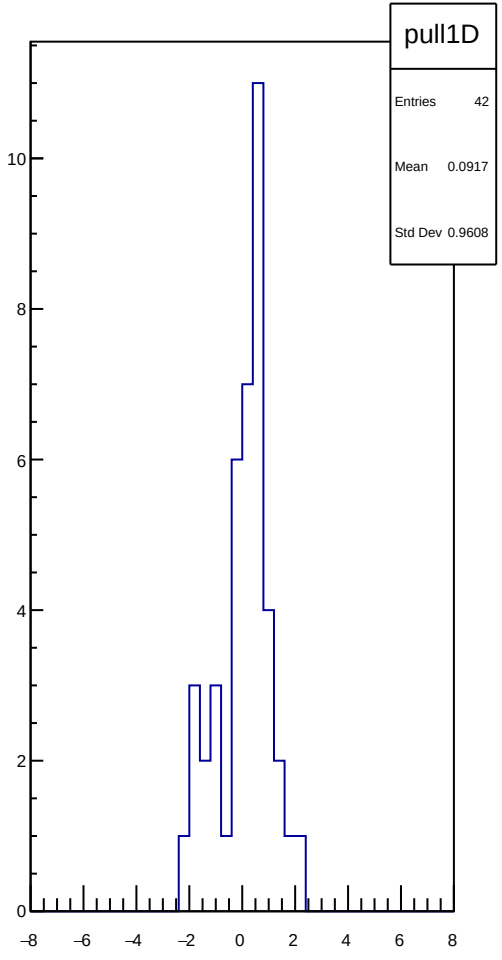

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.3 / 41
p0 0.02823 ± 0.173
pull
Entries 42
Mean −1.519
Std Dev 5.841
pull1D
Entries 42
Mean 0.0879
Std Dev 1.091

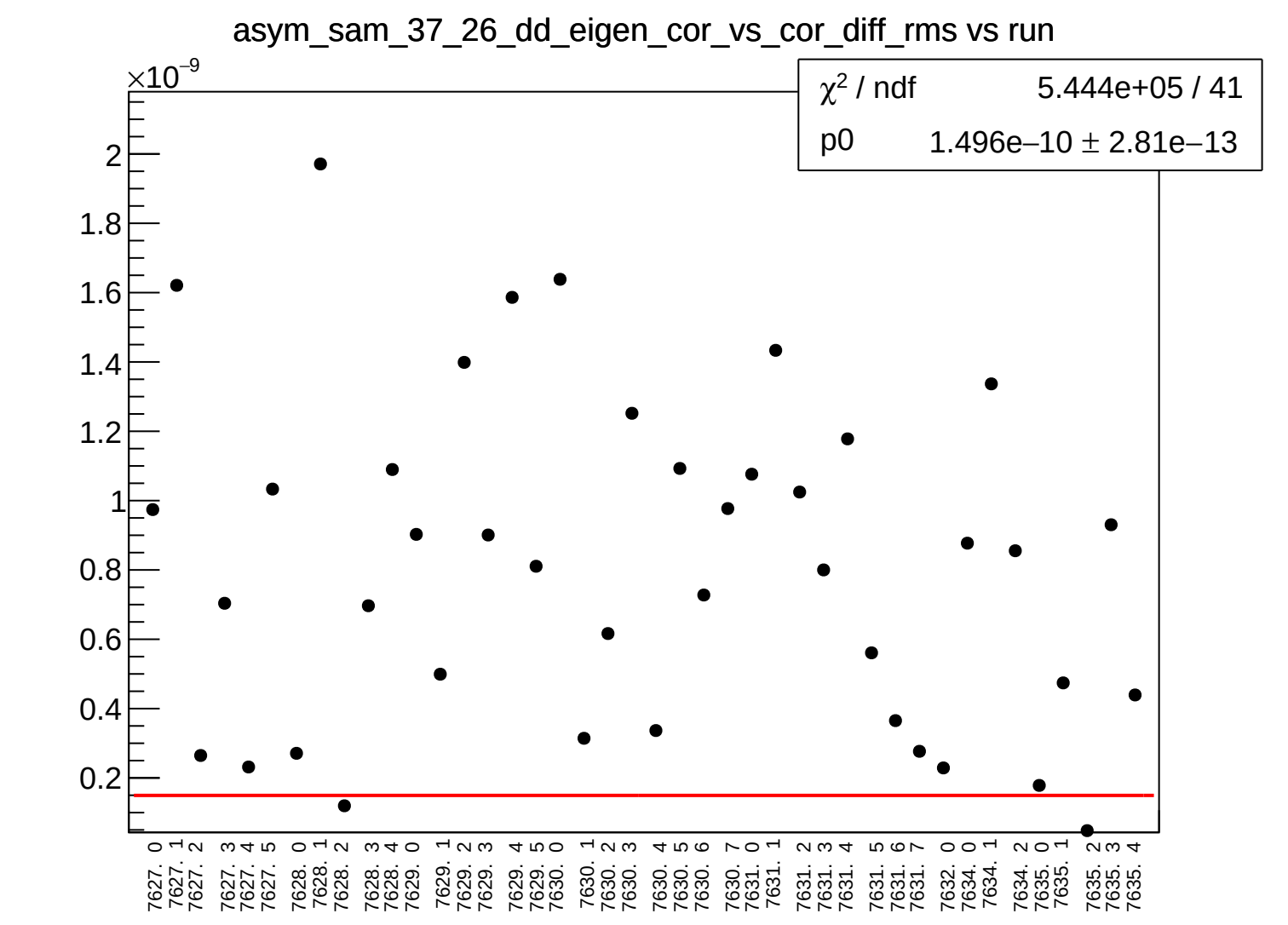

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 41
p0 103.6 ± 0.1223
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

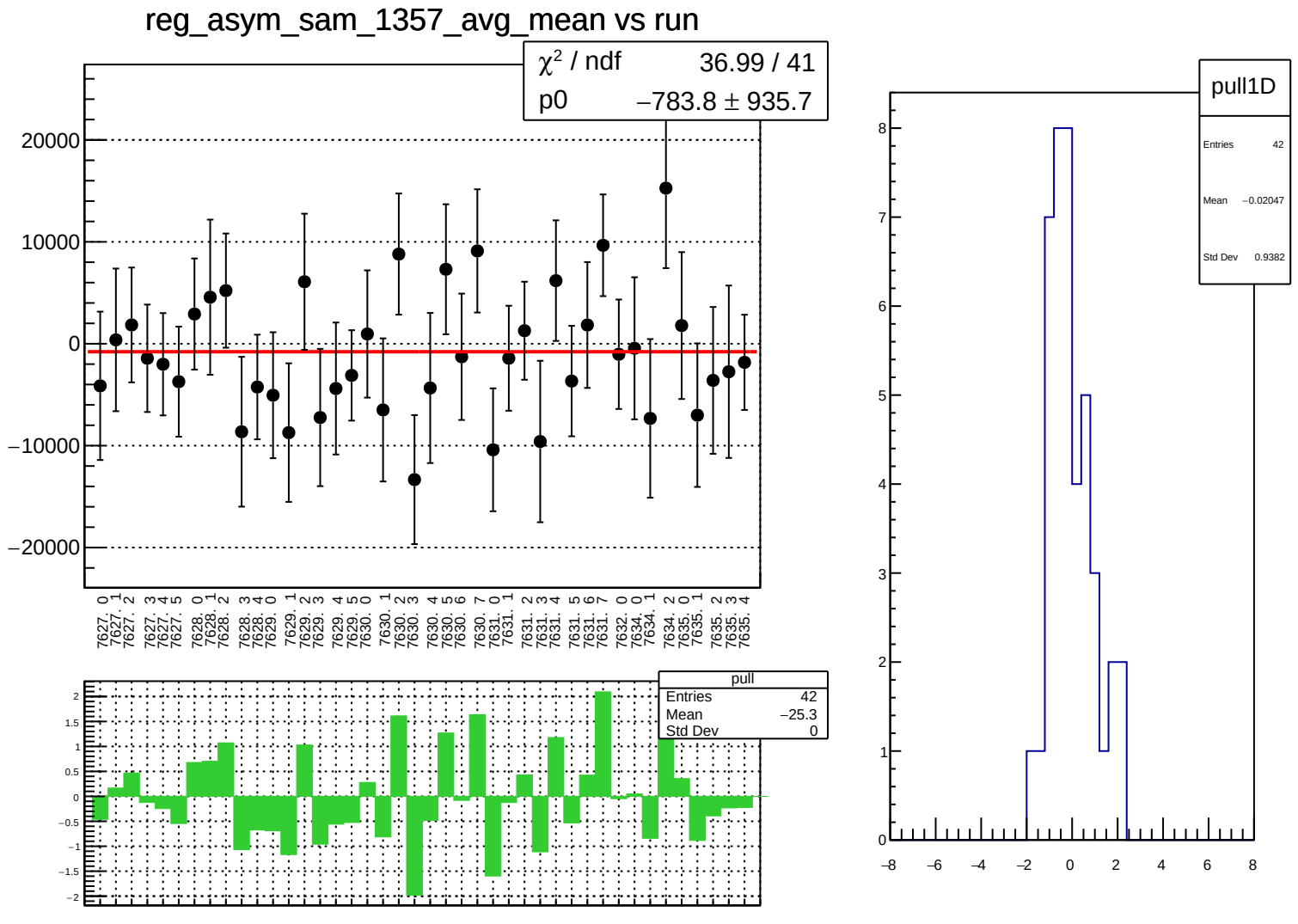

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.3 / 41
p0 0.02823 ± 0.173
pull
Entries 42
Mean −1.519
Std Dev 5.841
pull1D
Entries 42
Mean 0.0879
Std Dev 1.091

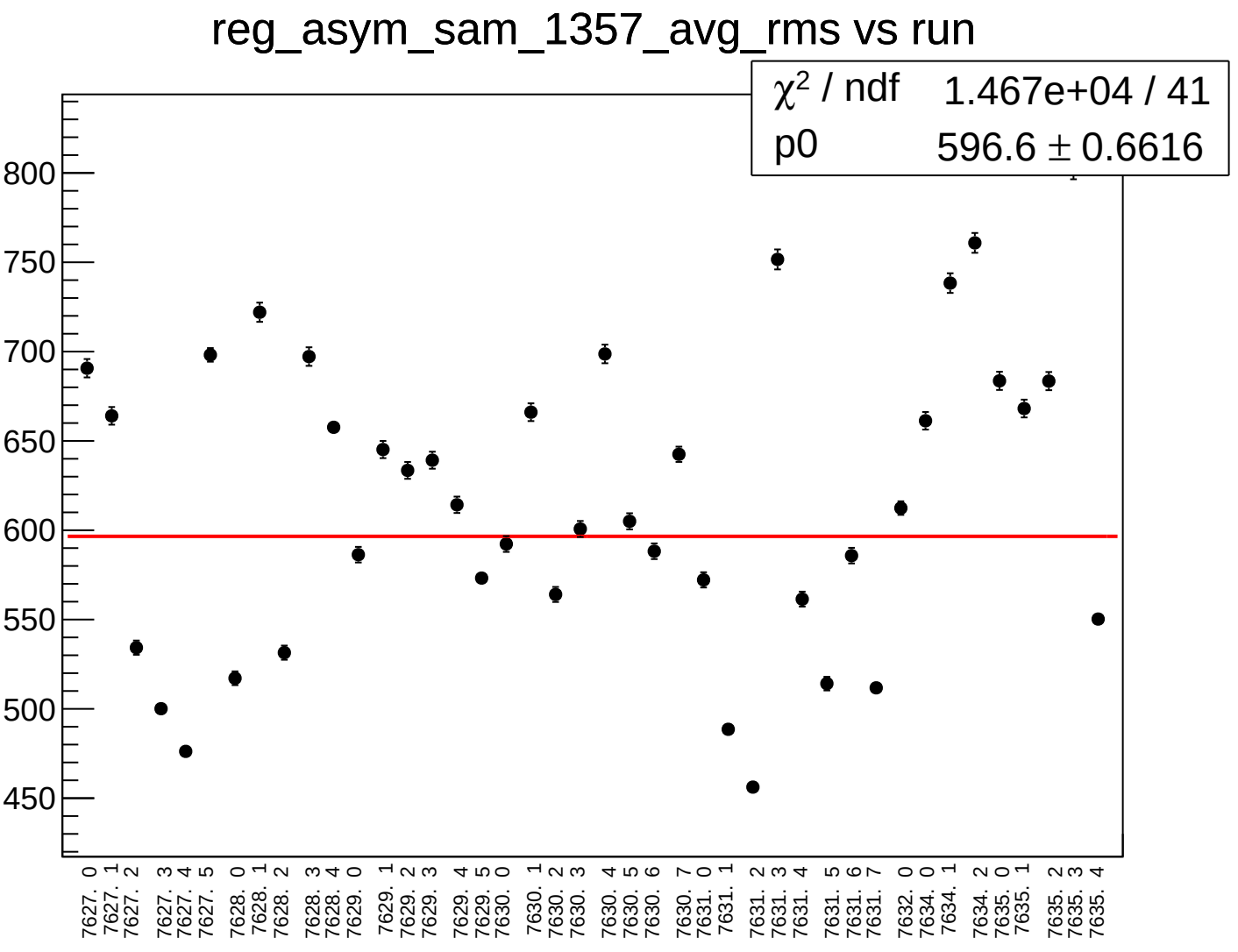

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+05 / 41
p0 103.6 ± 0.1223
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

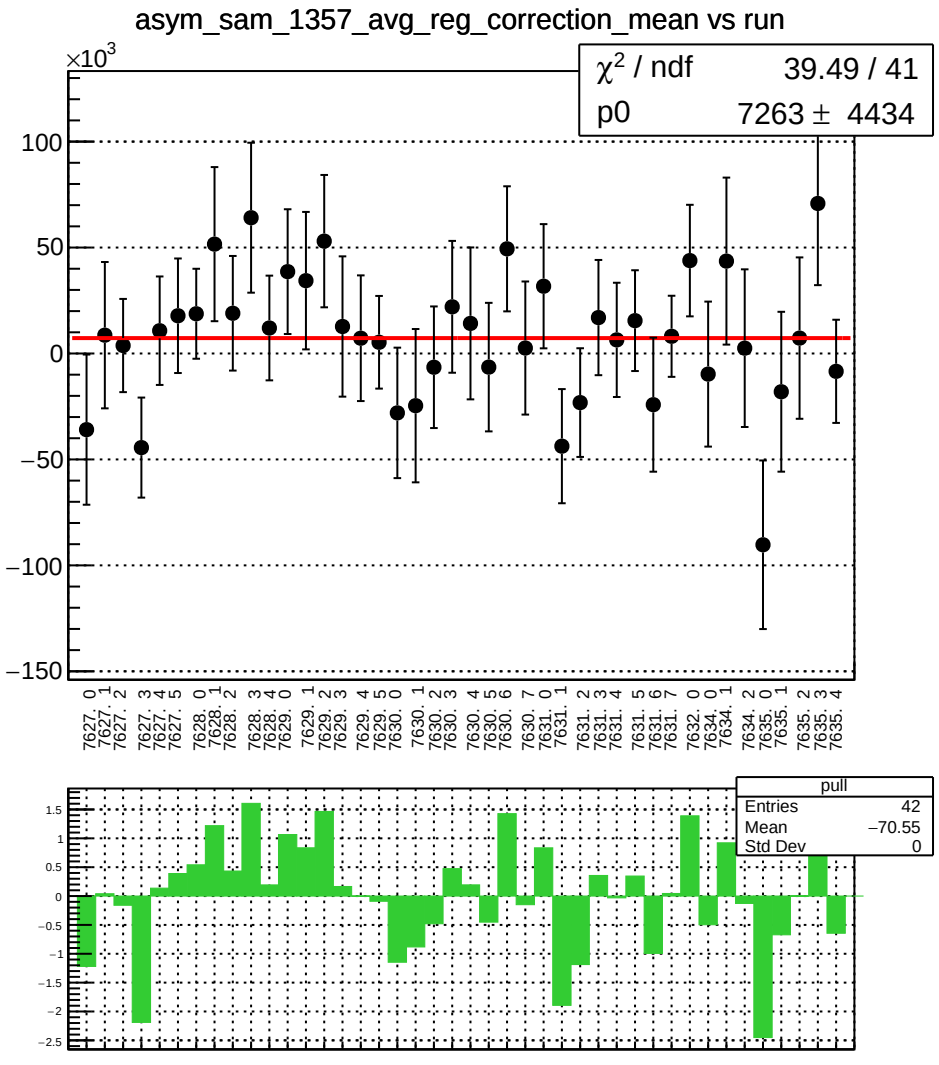

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.12 / 41
p0 4.651e−13 ± 3.973e−13
40
20
0
−20
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 20.64
Std Dev 21.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

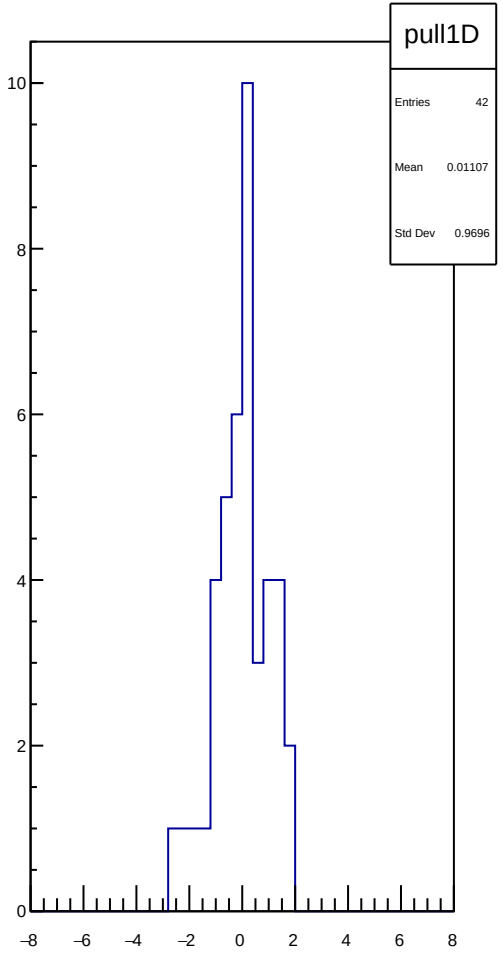

pull1D
Entries 42
Mean 0.0917
Std Dev 0.9608
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

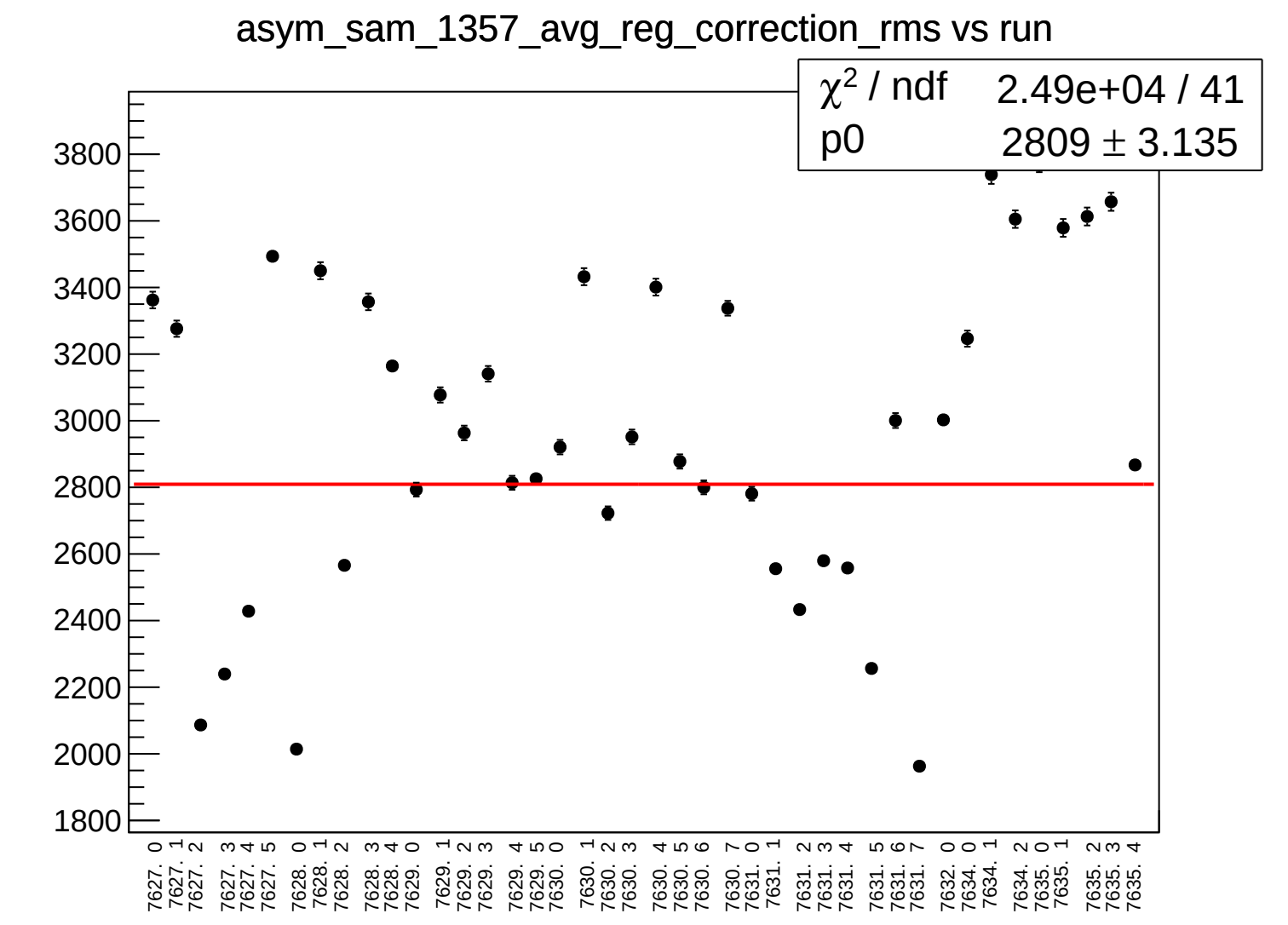

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.444e+05 / 41
p0 1.496e−10 ± 2.81e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

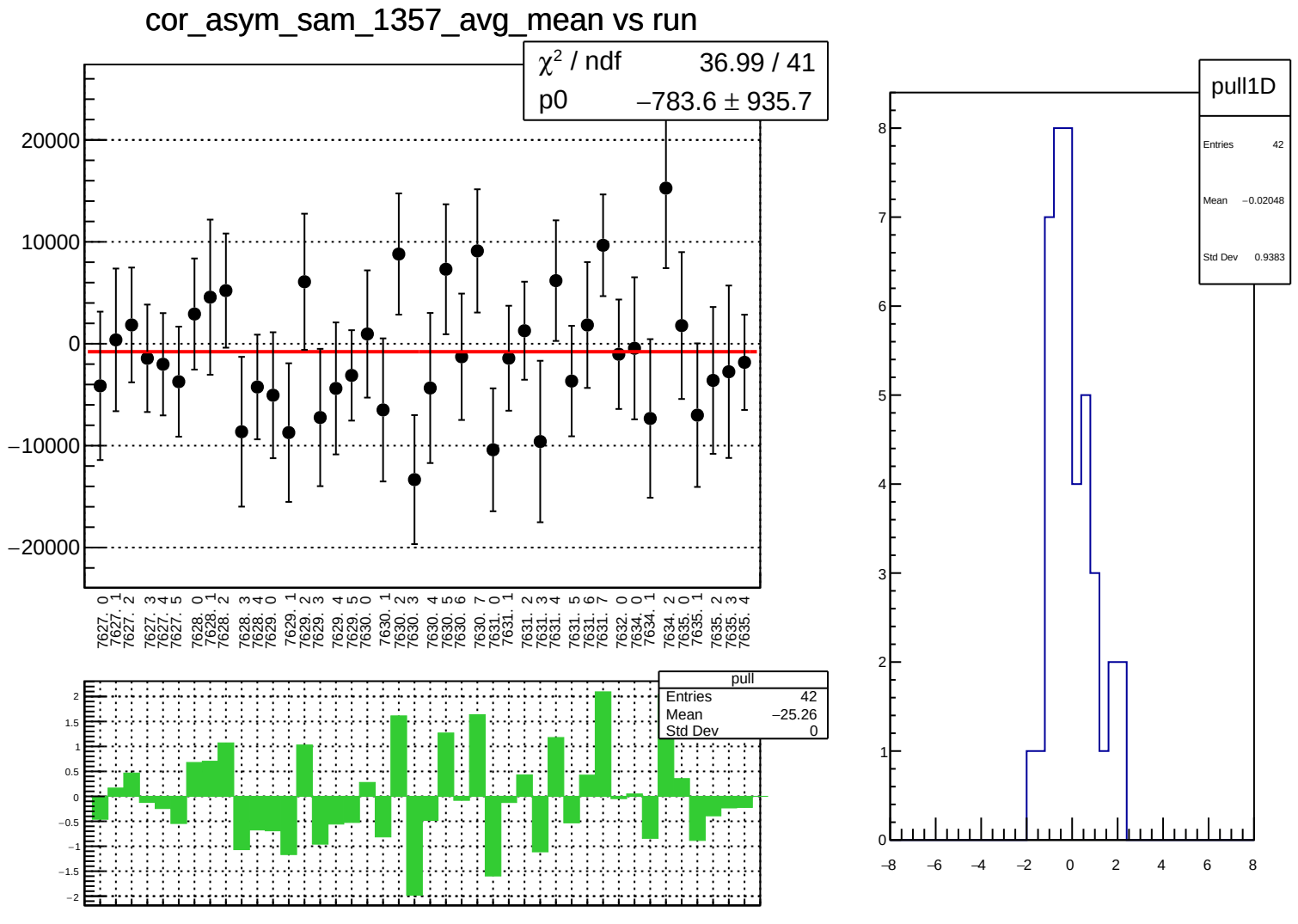

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 36.99 / 41
p0 −783.8 ± 935.7
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02047
Std Dev 0.9382
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

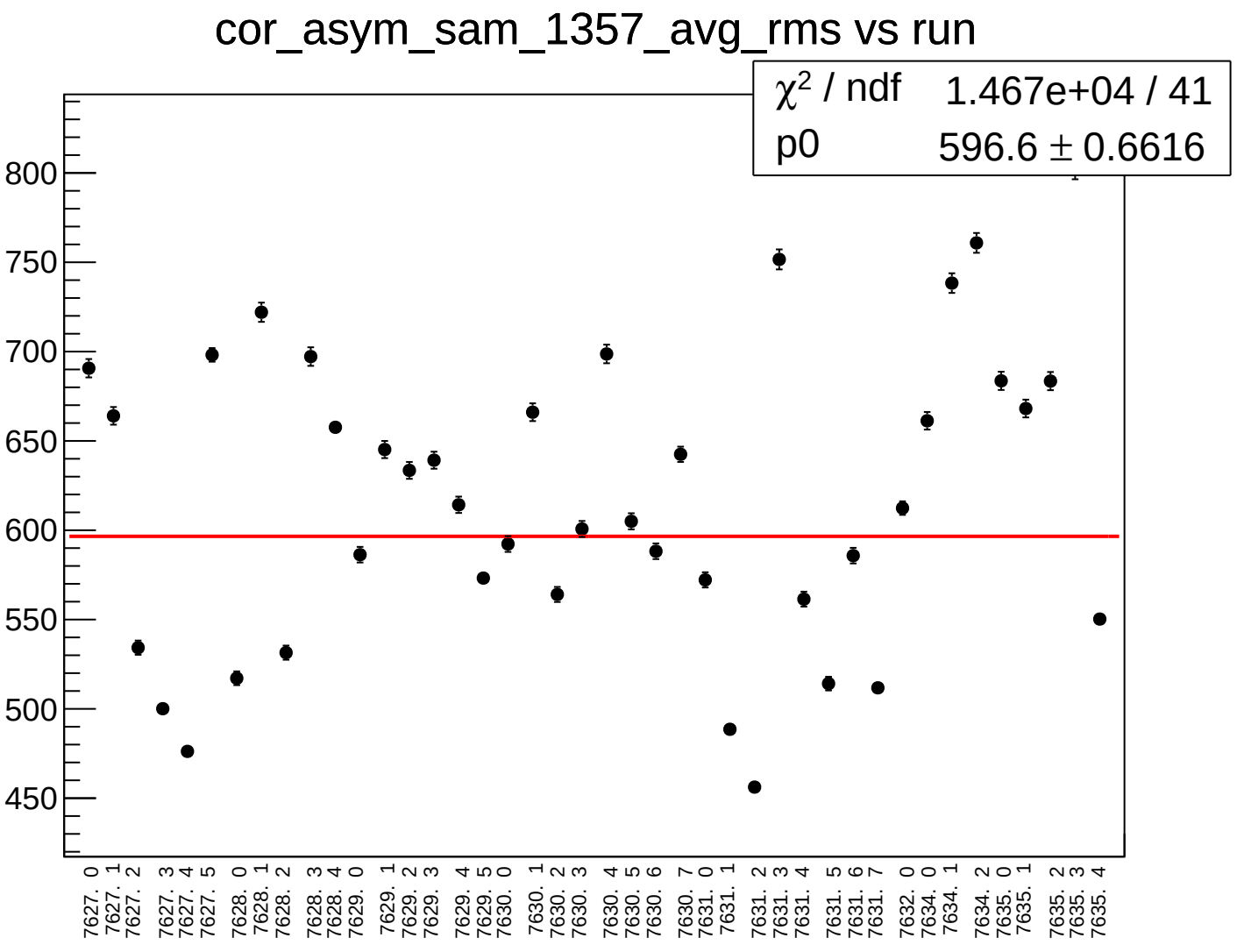

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 1.467e+04 / 41
p0 596.6 ± 0.6616
800
750
700
650
600
550
500
450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

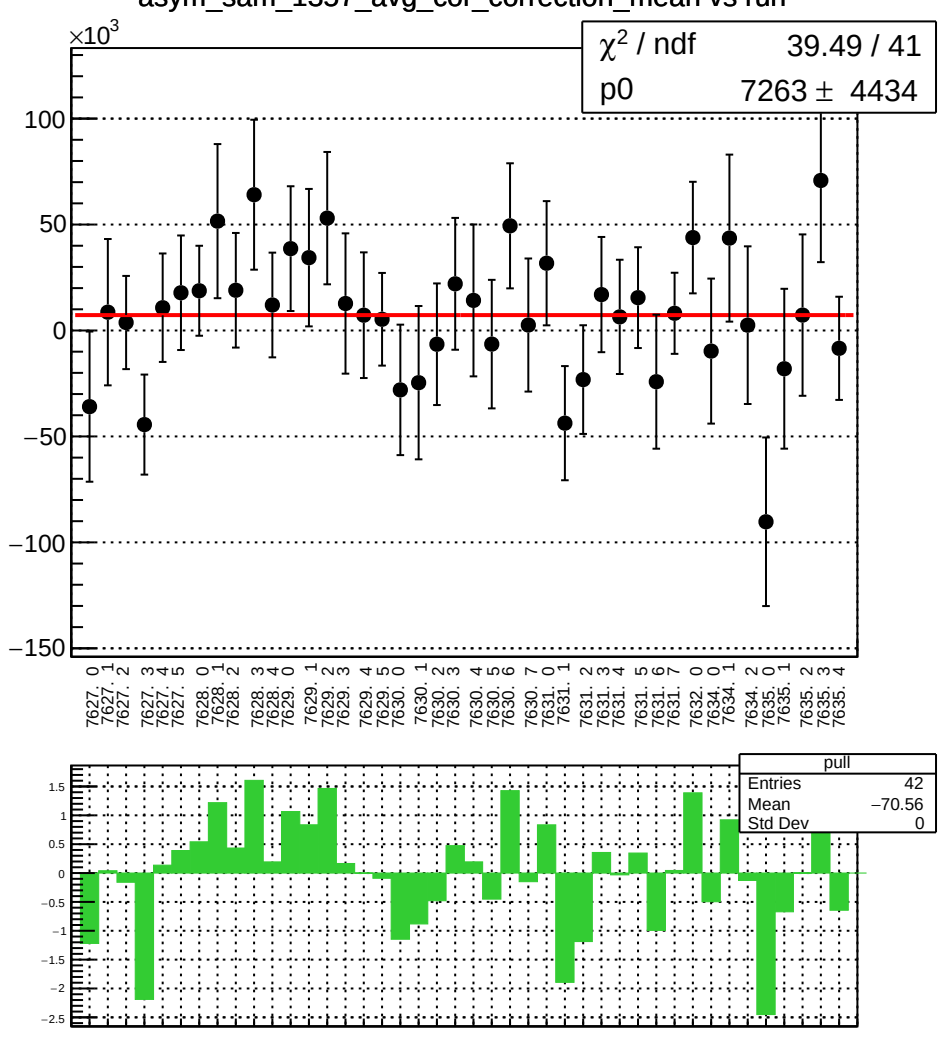

asym_sam_1357_avg_reg_correction_mean vs run
×10^3
χ² / ndf 39.49 / 41
p0 7263 ± 4434
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −70.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

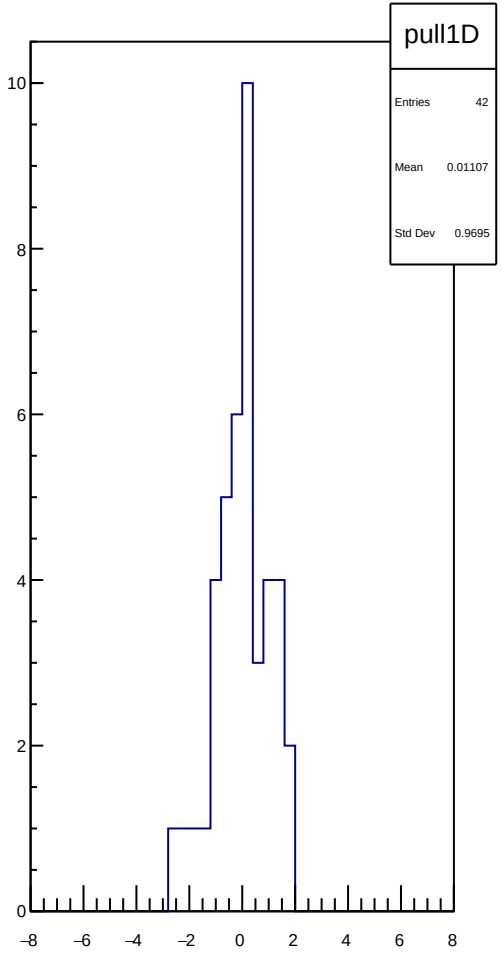

pull1D
Entries 42
Mean 0.01107
Std Dev 0.9696
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

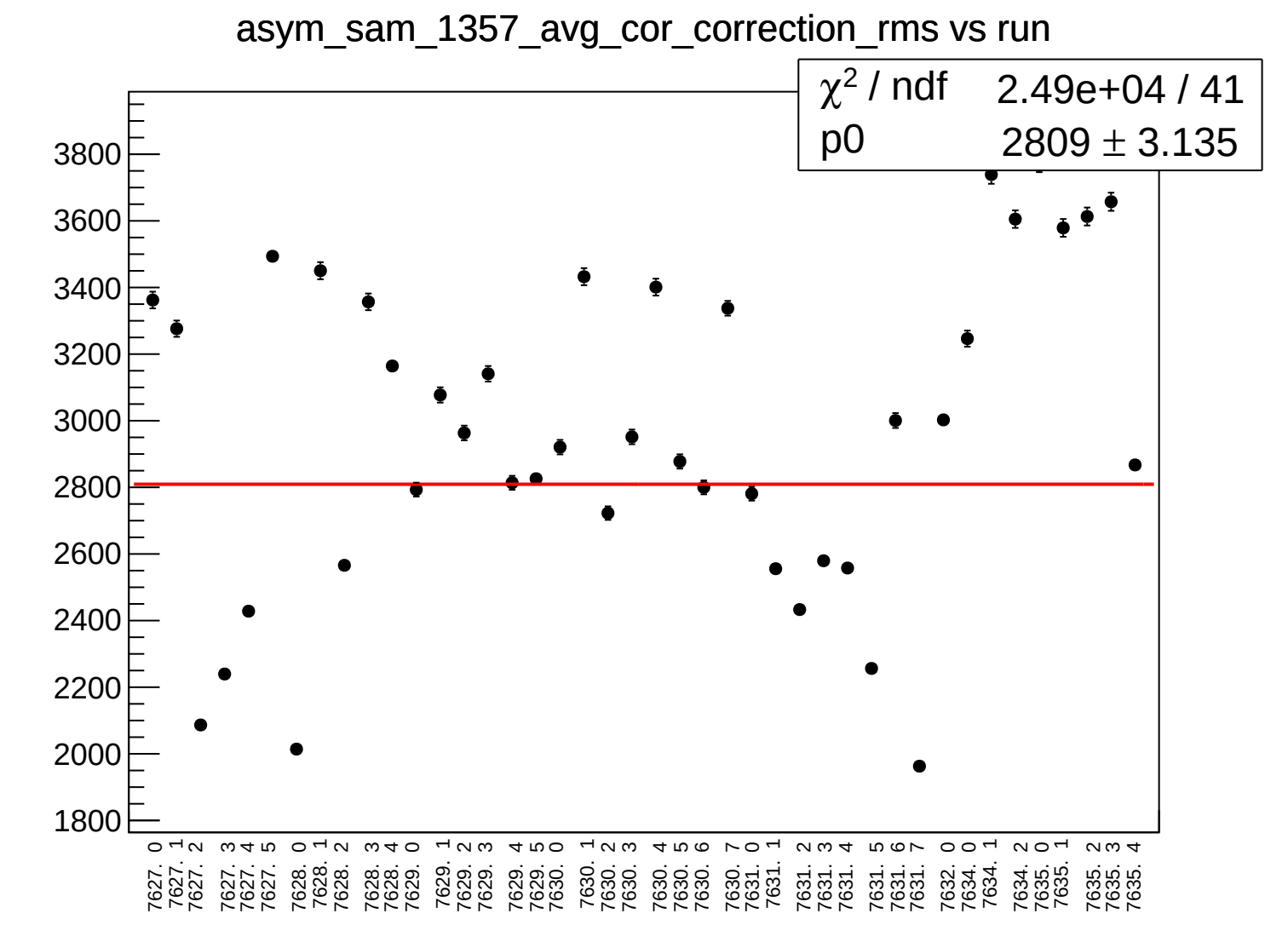

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 2.49e+04 / 41
p0 2809 ± 3.135
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

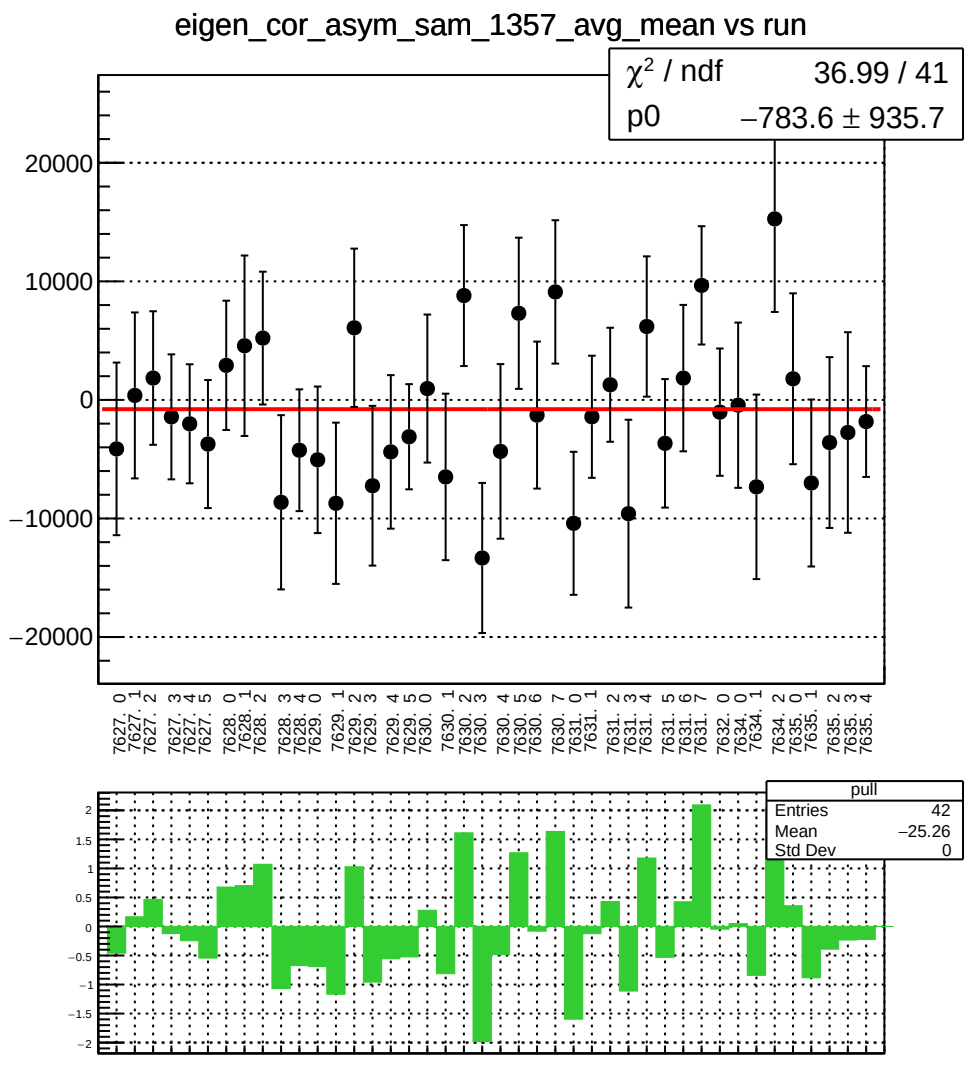

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 36.99 / 41
p0 −783.6 ± 935.7
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02048
Std Dev 0.9383
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

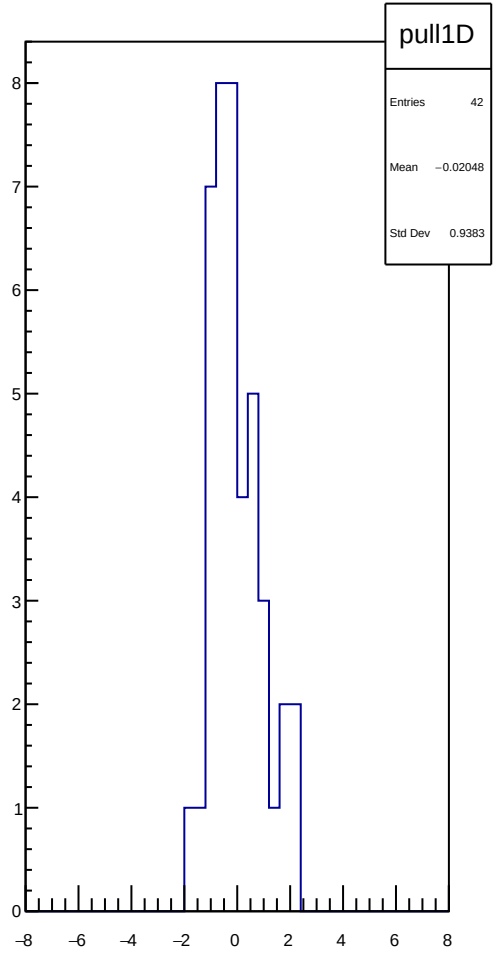

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.467e+04 / 41
p0 596.6 ± 0.6616
800
750
700
650
600
550
500
450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

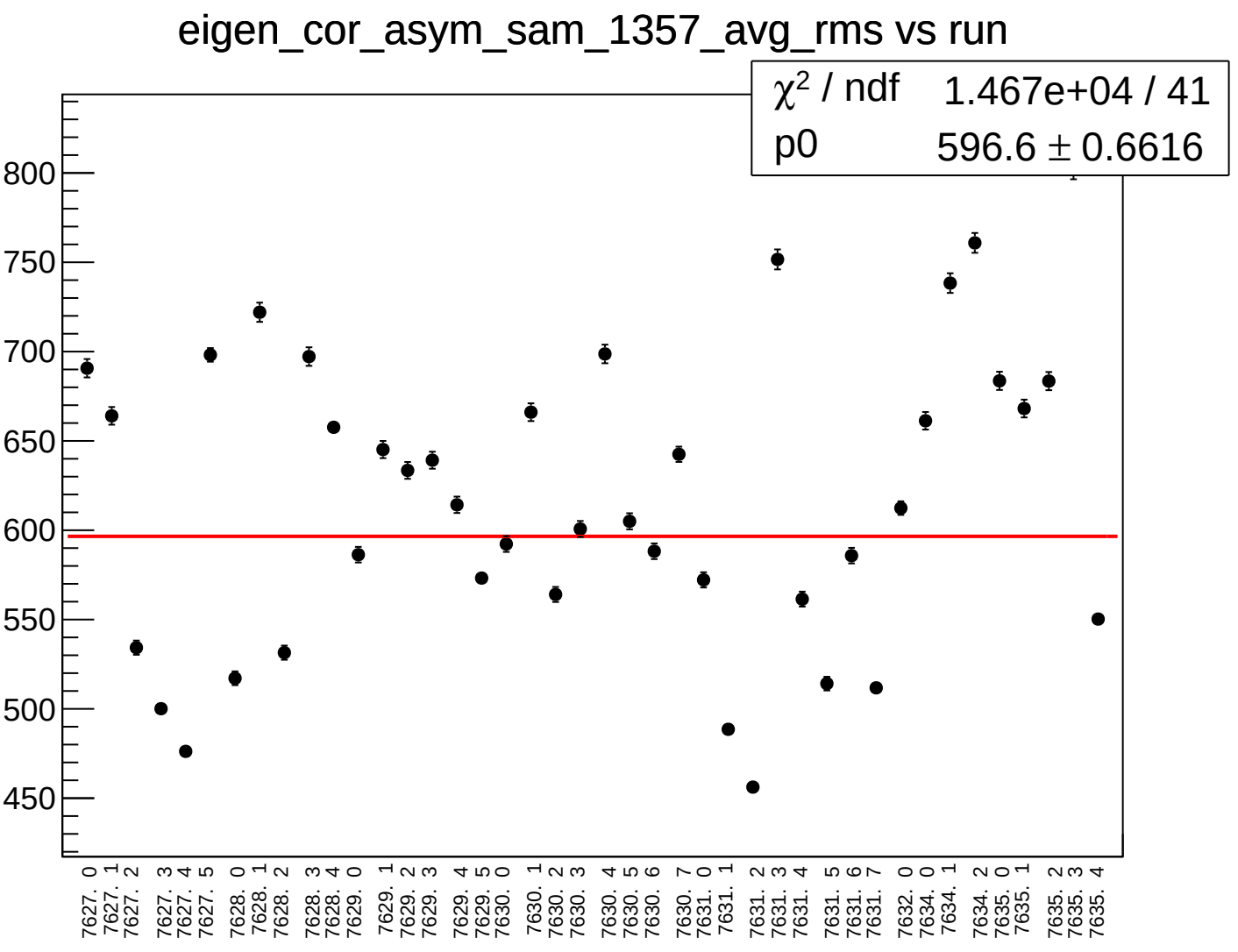

asym_sam_1357_avg_cor_correction_mean vs run
×10^3
χ² / ndf 39.49 / 41
p0 7263 ± 4434
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −70.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

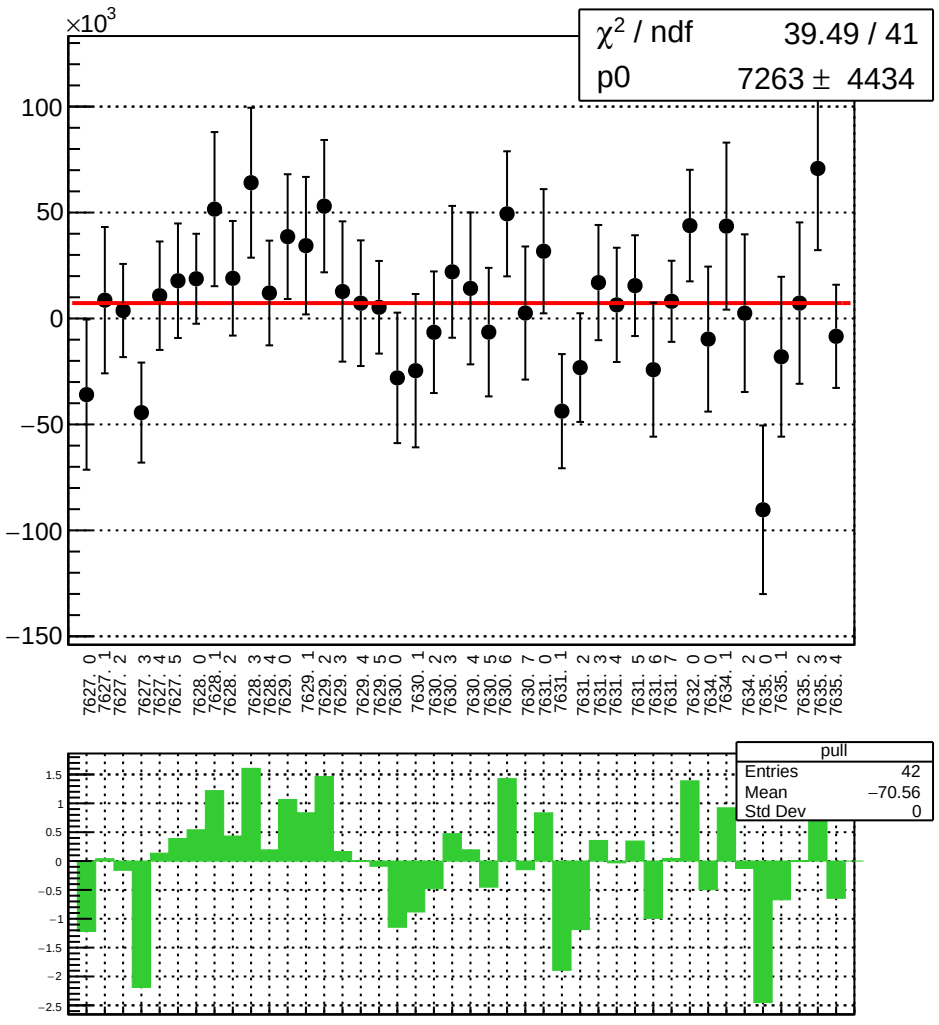

pull1D
Entries 42
Mean 0.01107
Std Dev 0.9695
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

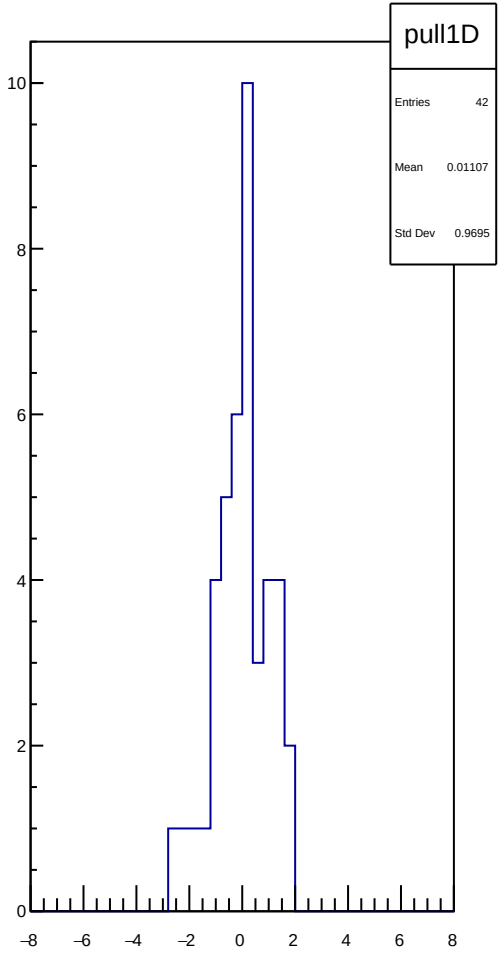

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 2.49e+04 / 41
p0 2809 ± 3.135
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

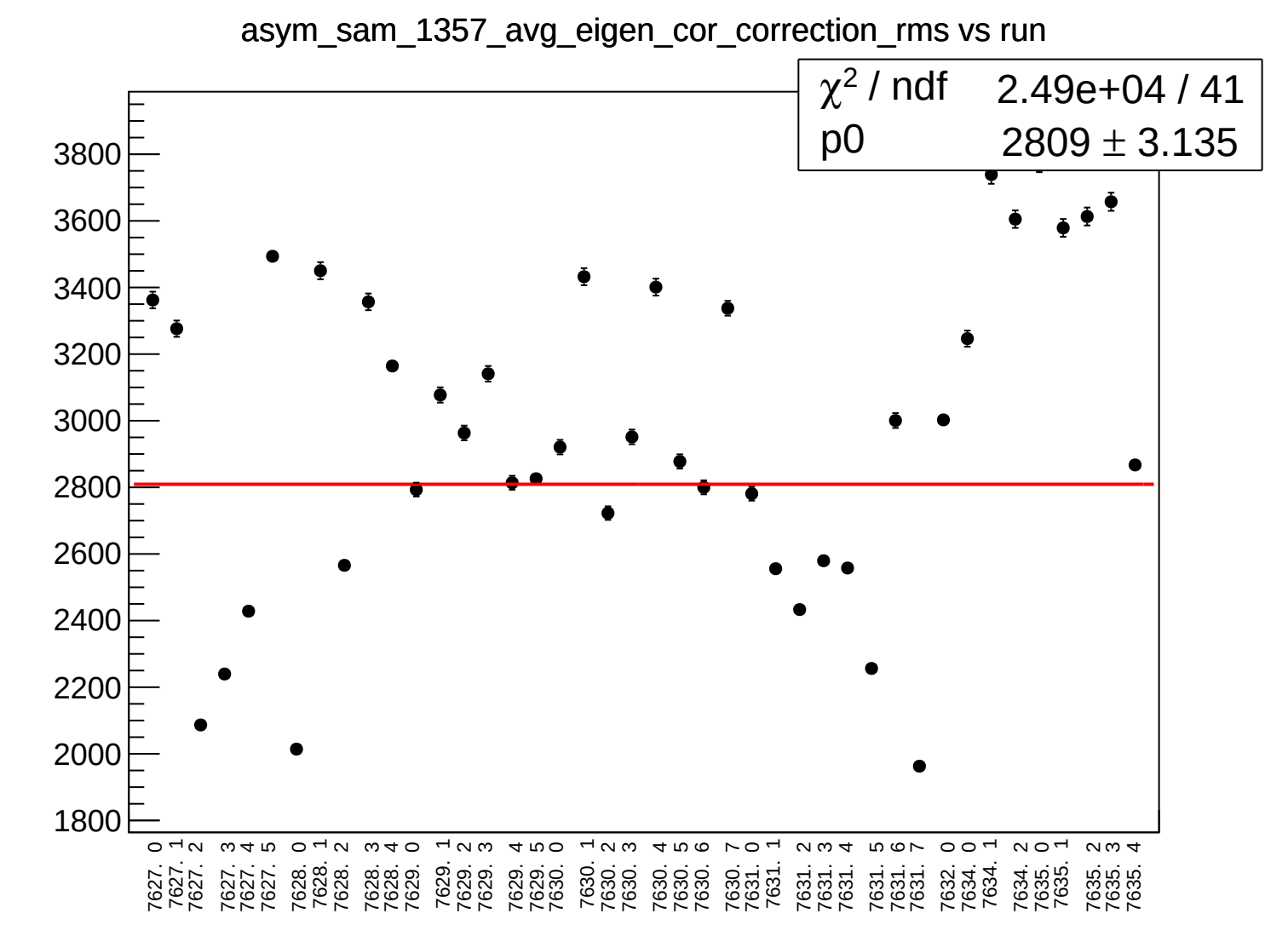

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 36.99 / 41
p0 −783.6 ± 935.7
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −25.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

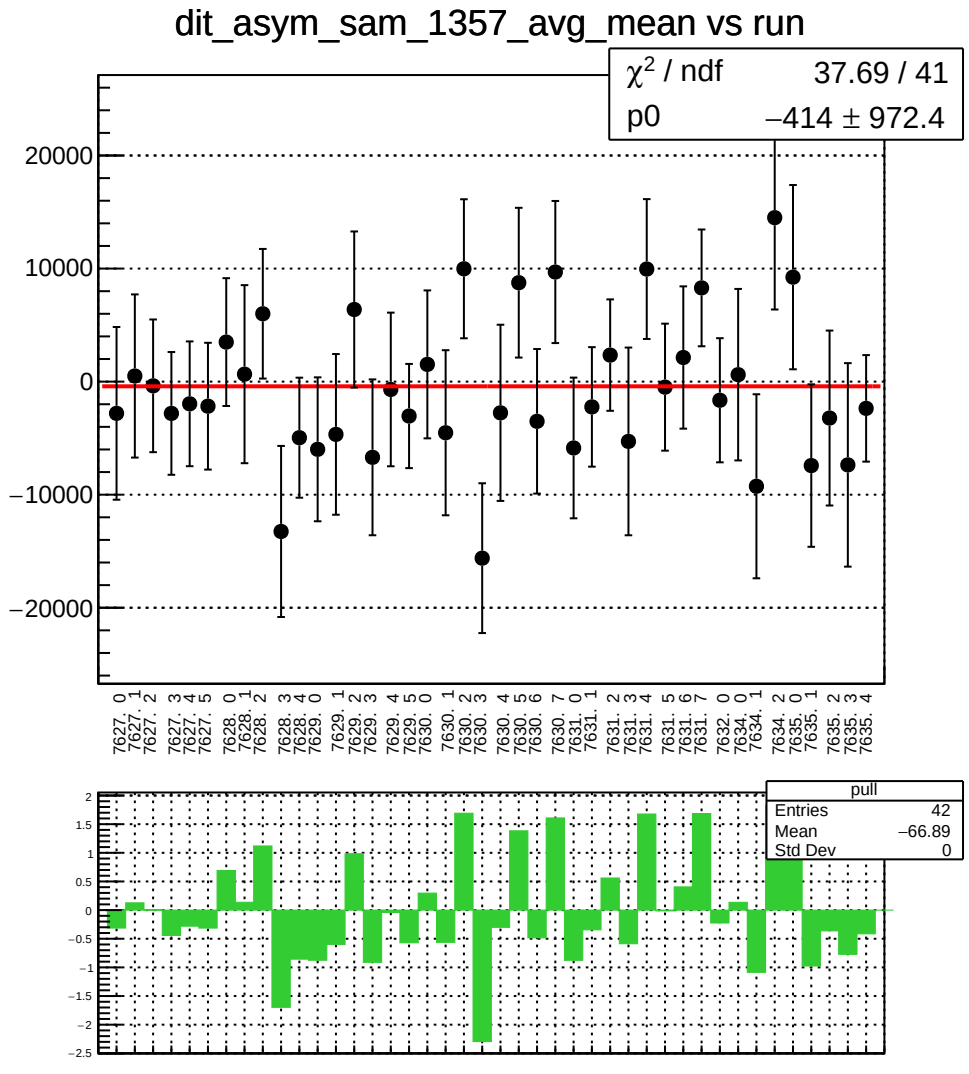

pull1D
Entries 42
Mean −0.02048
Std Dev 0.9383
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

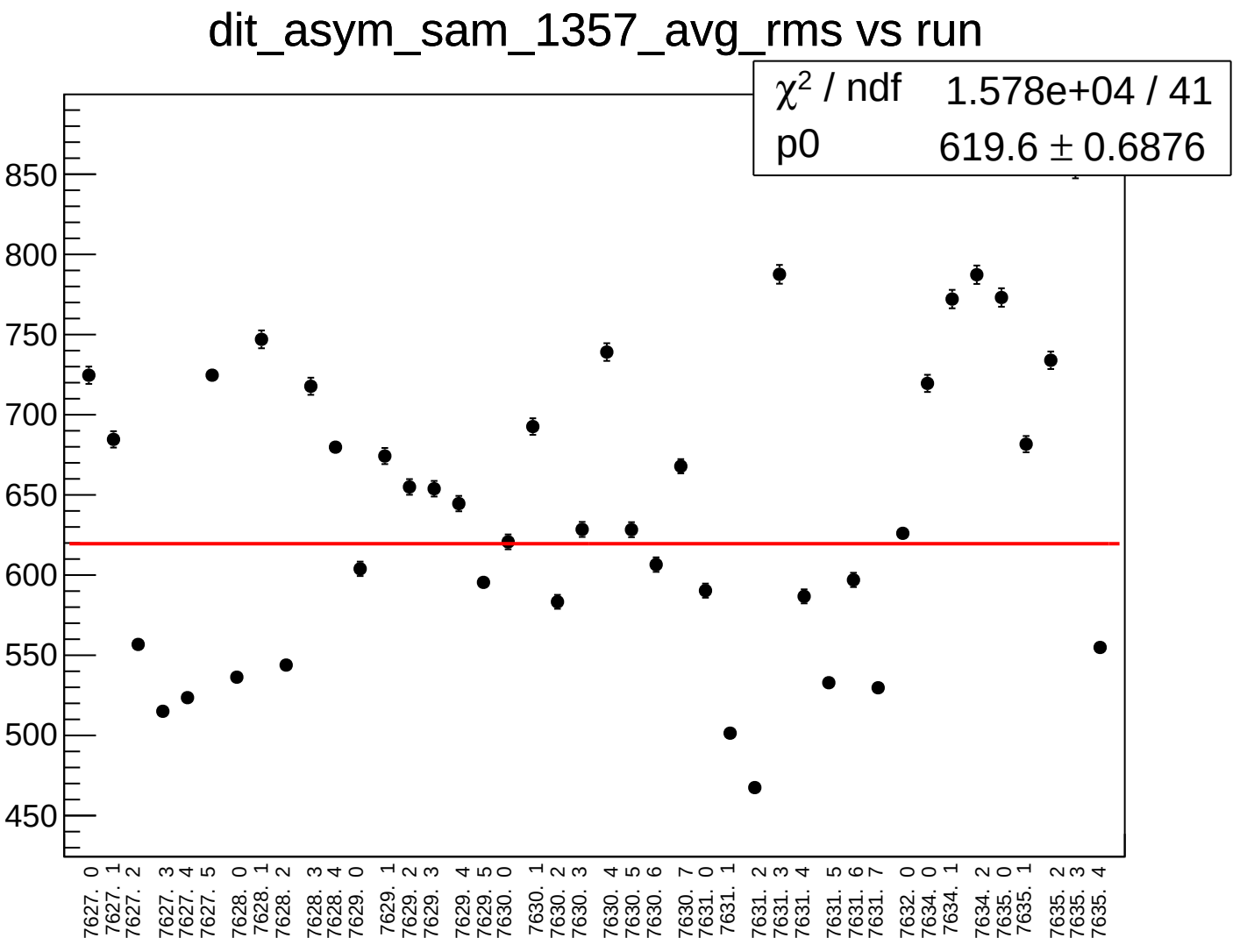

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.467e+04 / 41
p0 596.6 ± 0.6616
800
750
700
650
600
550
500
450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

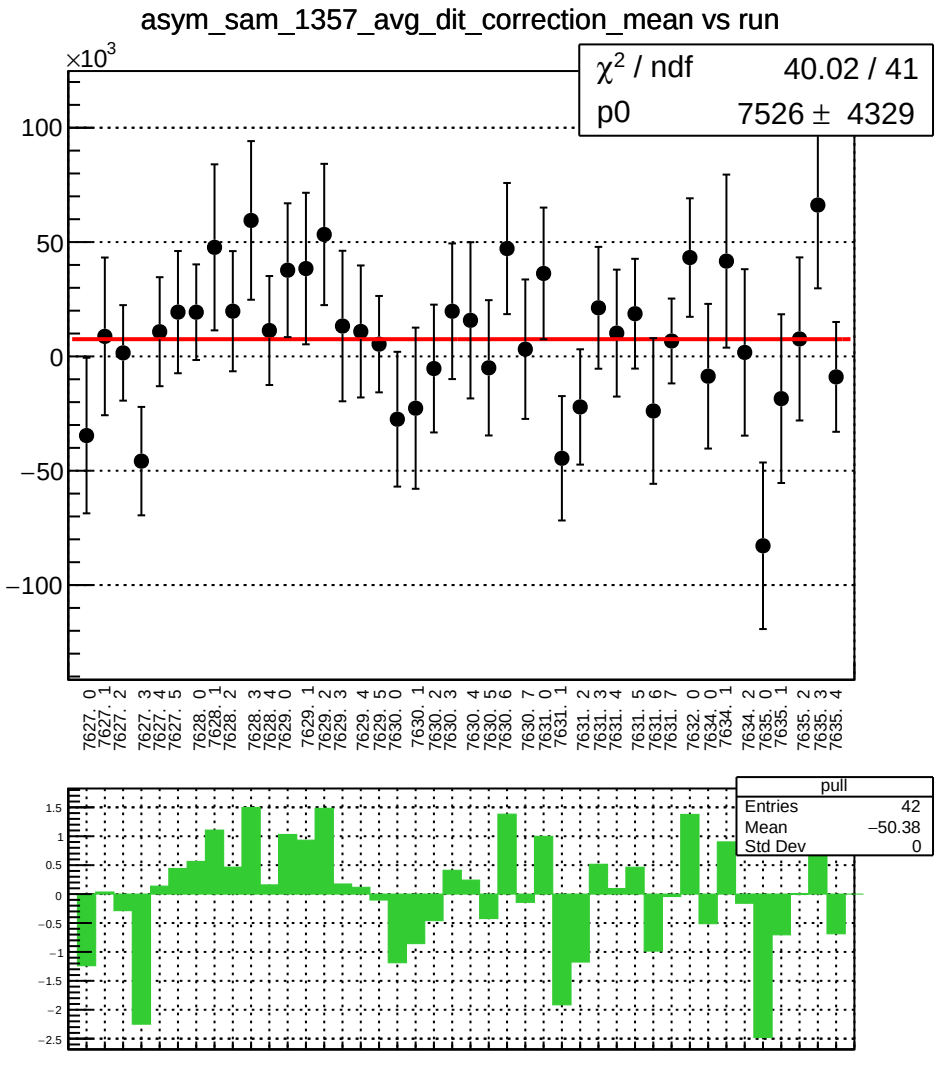

asym_sam_1357_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.49 / 41
p0 7263 ± 4434
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −70.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

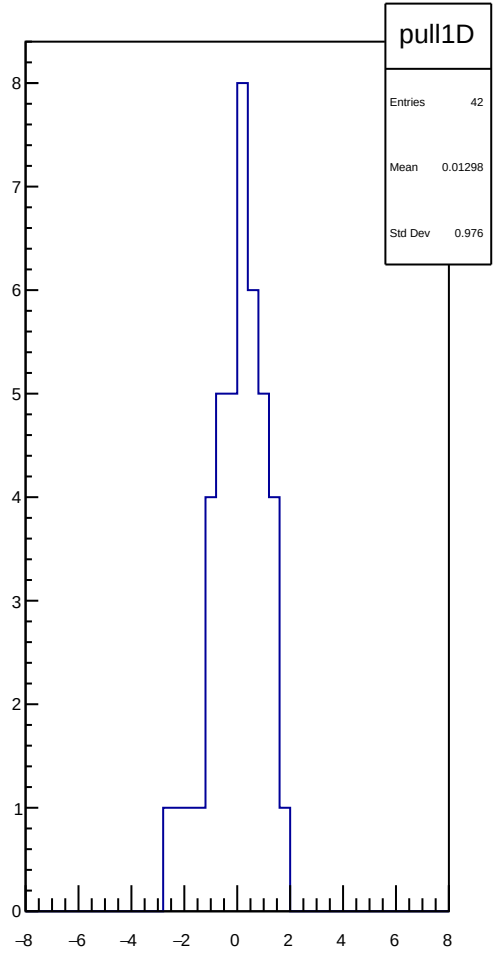

pull1D
Entries 42
Mean 0.01107
Std Dev 0.9695
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

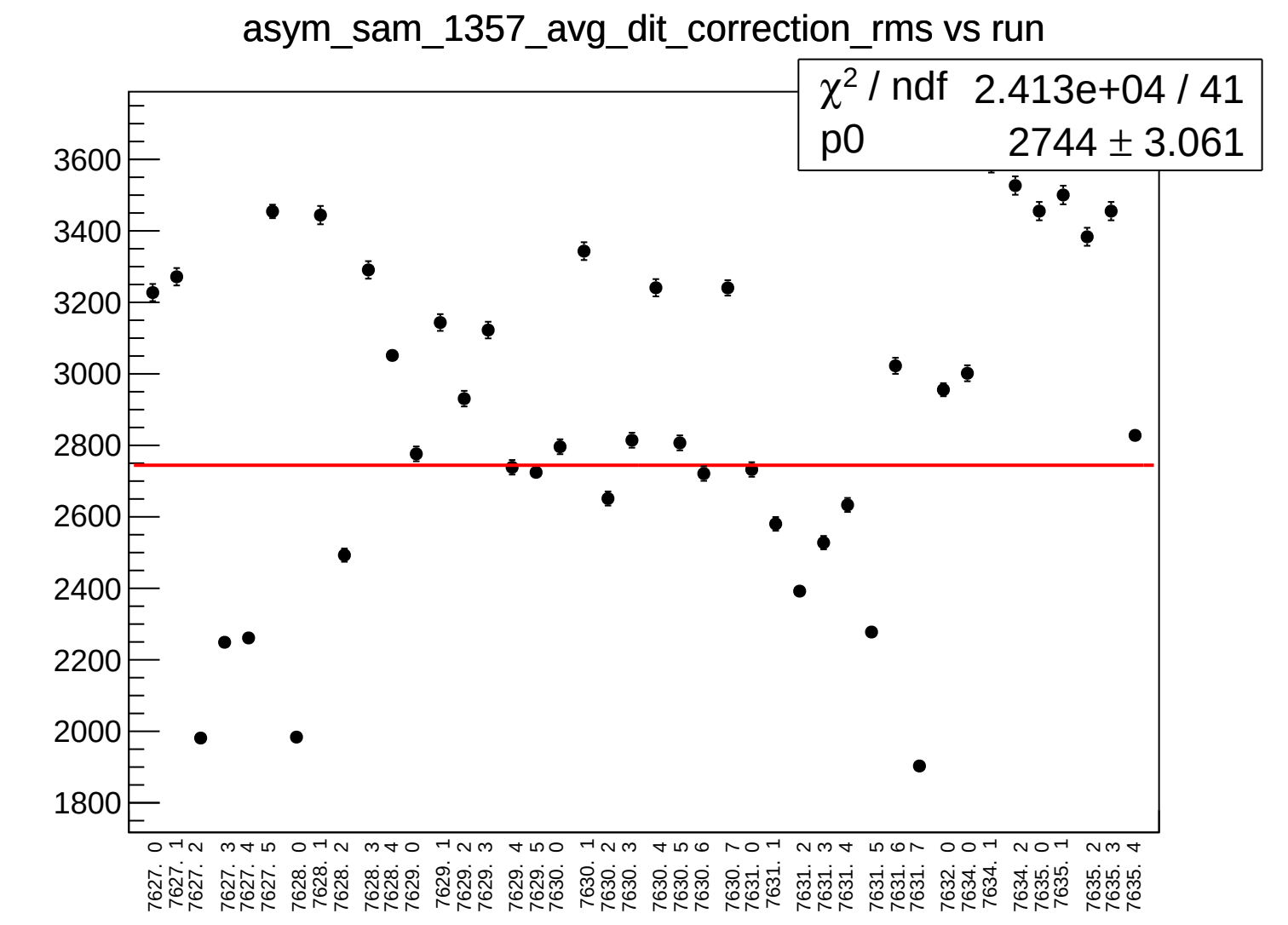

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.49e+04 / 41
p0 2809 ± 3.135
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

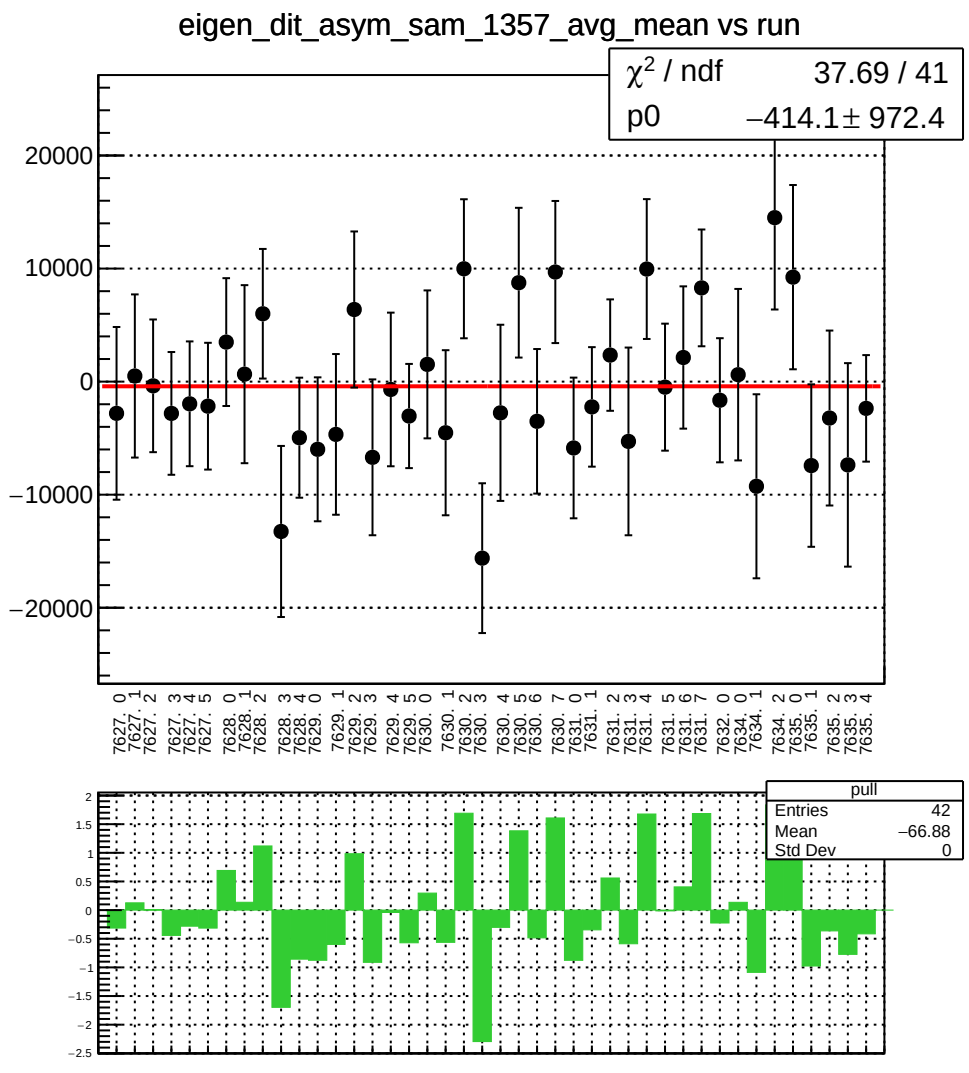

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 37.69 / 41
p0 −414 ± 972.4
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −66.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.01594
Std Dev 0.9472
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

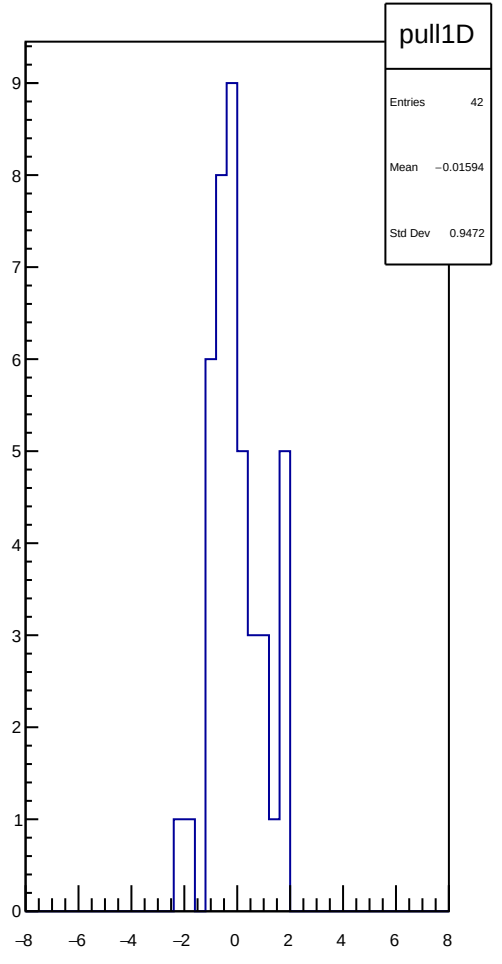

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.578e+04 / 41
p0 619.6 ± 0.6876
850
800
750
700
650
600
550
500
450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

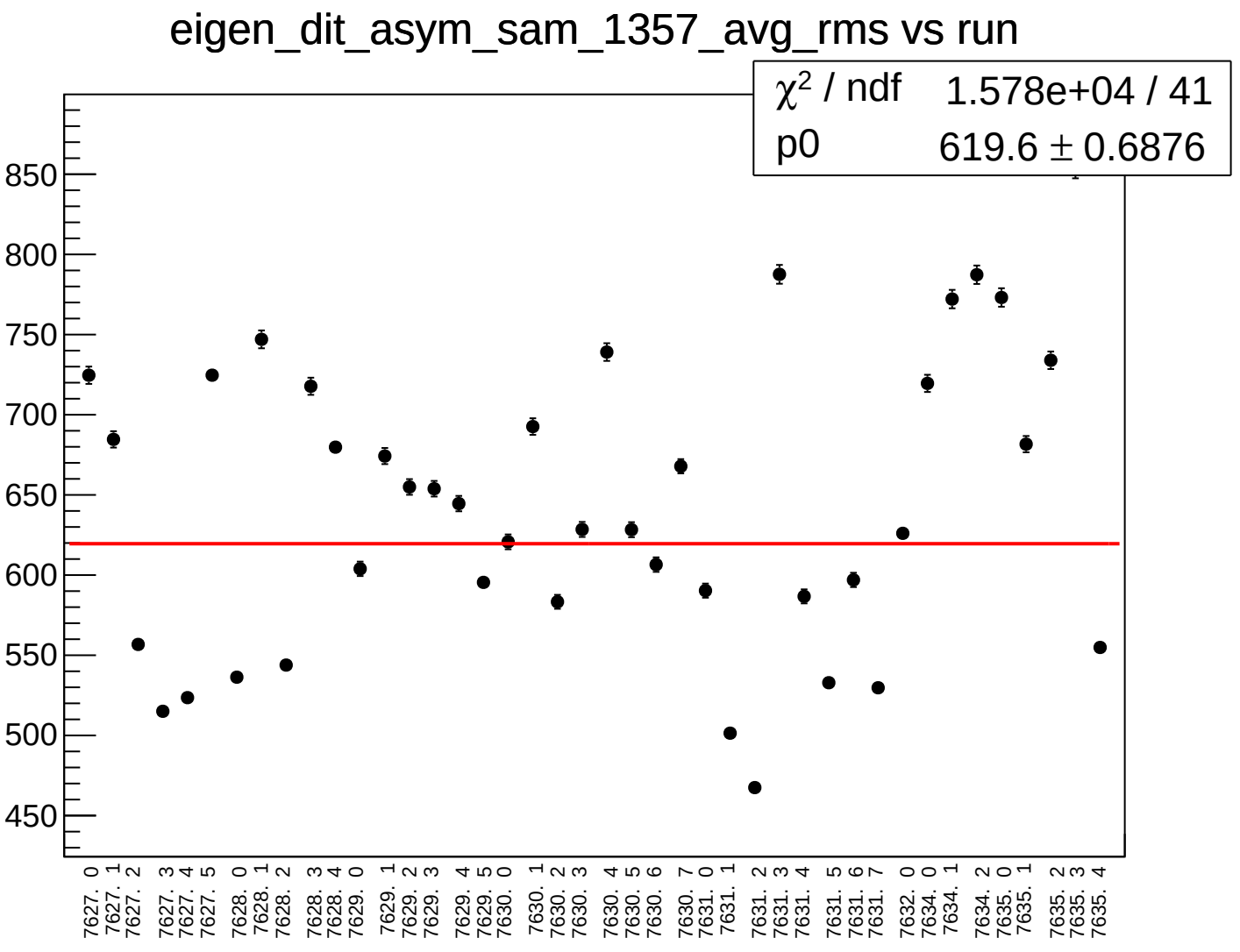

asym_sam_1357_avg_dit_correction_mean vs run
×10^3
χ² / ndf 40.02 / 41
p0 7526 ± 4329
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −50.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

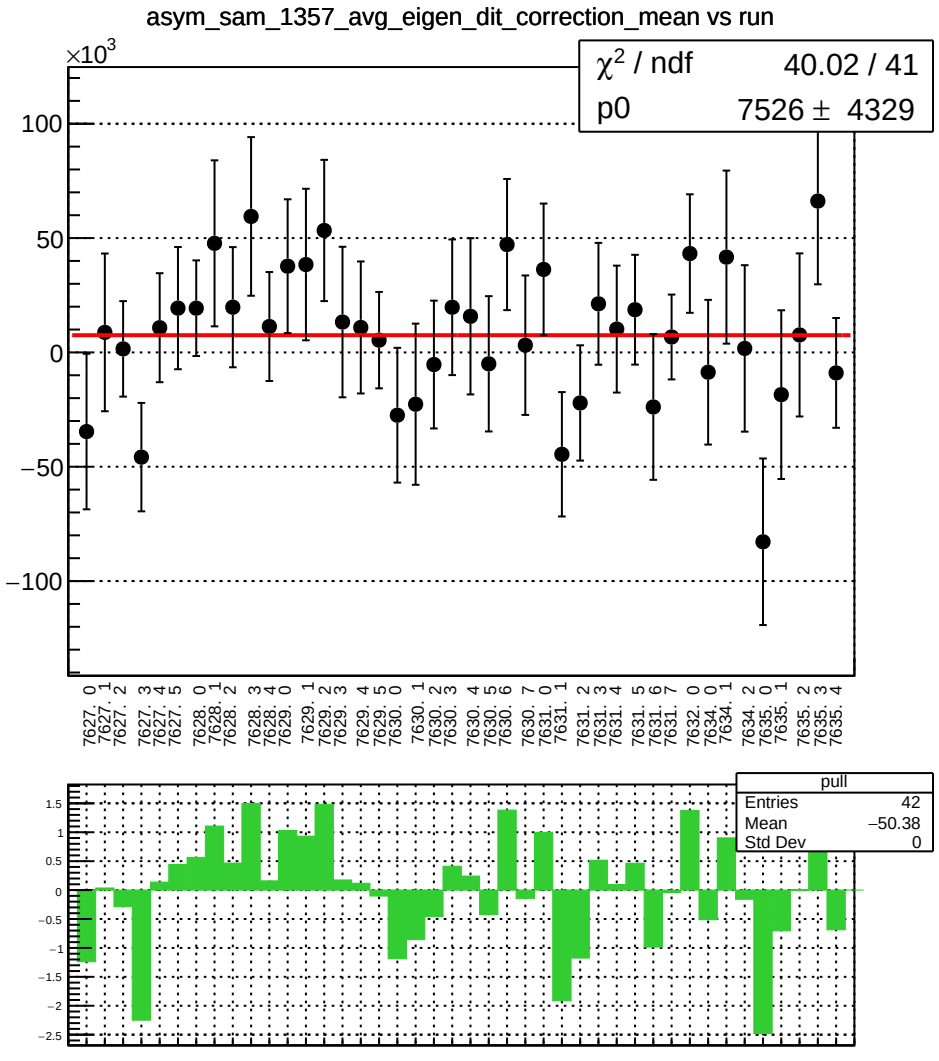

pull1D
Entries 42
Mean 0.01298
Std Dev 0.976
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

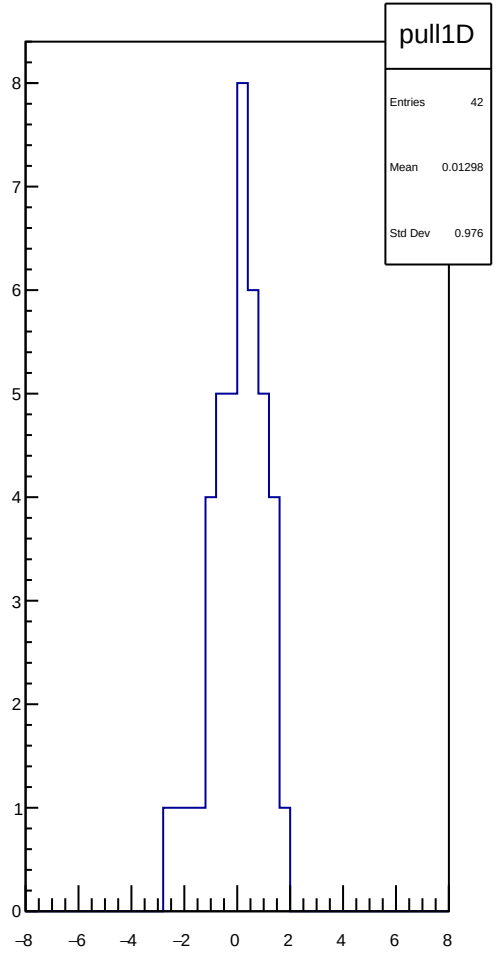

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 2.413e+04 / 41
p0 2744 ± 3.061
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

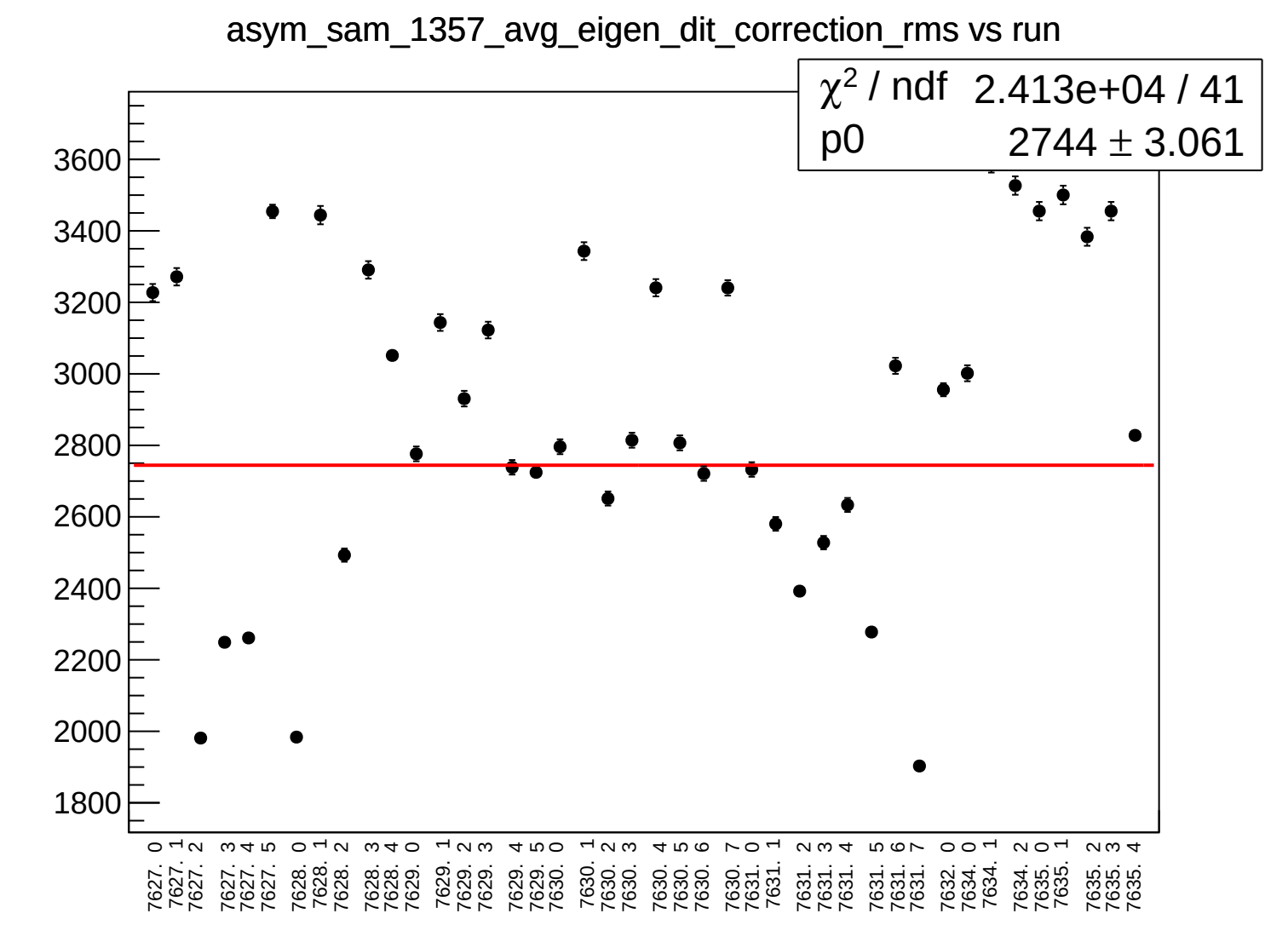

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 37.69 / 41
p0 −414.1± 972.4
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −66.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

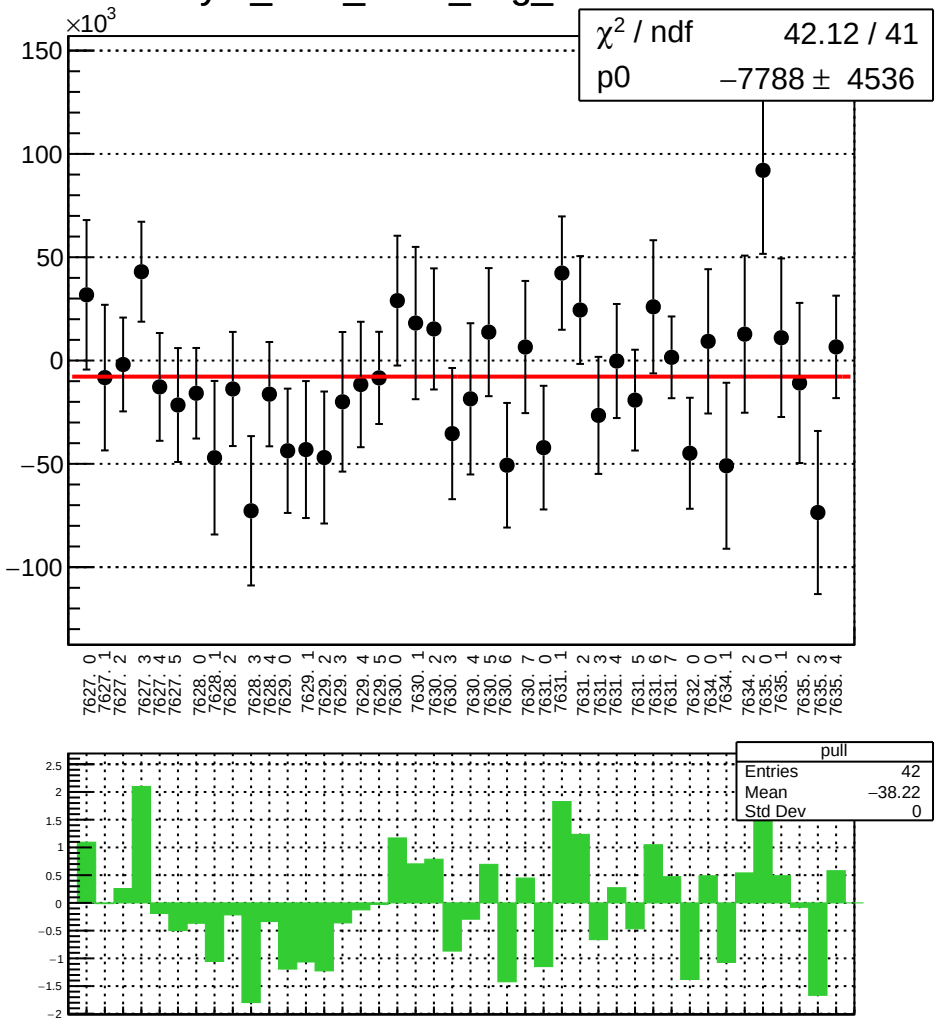

pull1D
Entries 42
Mean −0.01594
Std Dev 0.9472
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

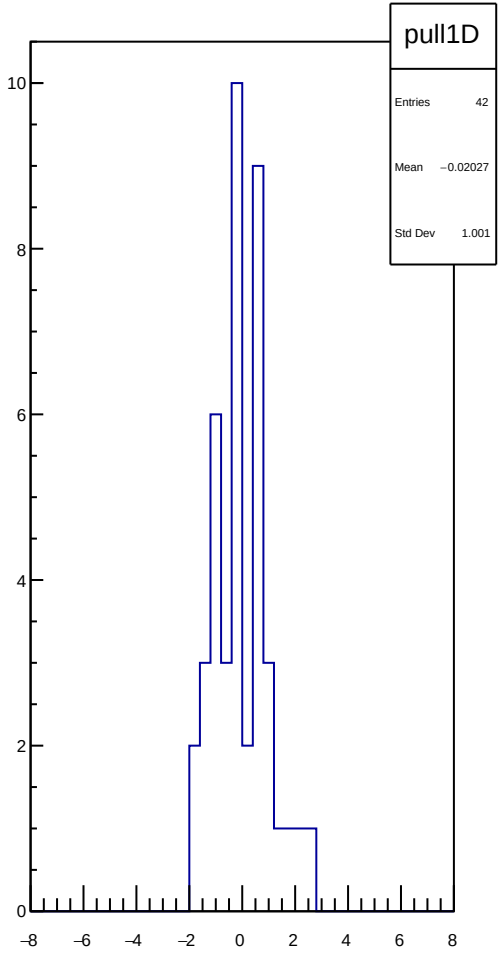

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.578e+04 / 41
p0 619.6 ± 0.6876
850
800
750
700
650
600
550
500
450
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

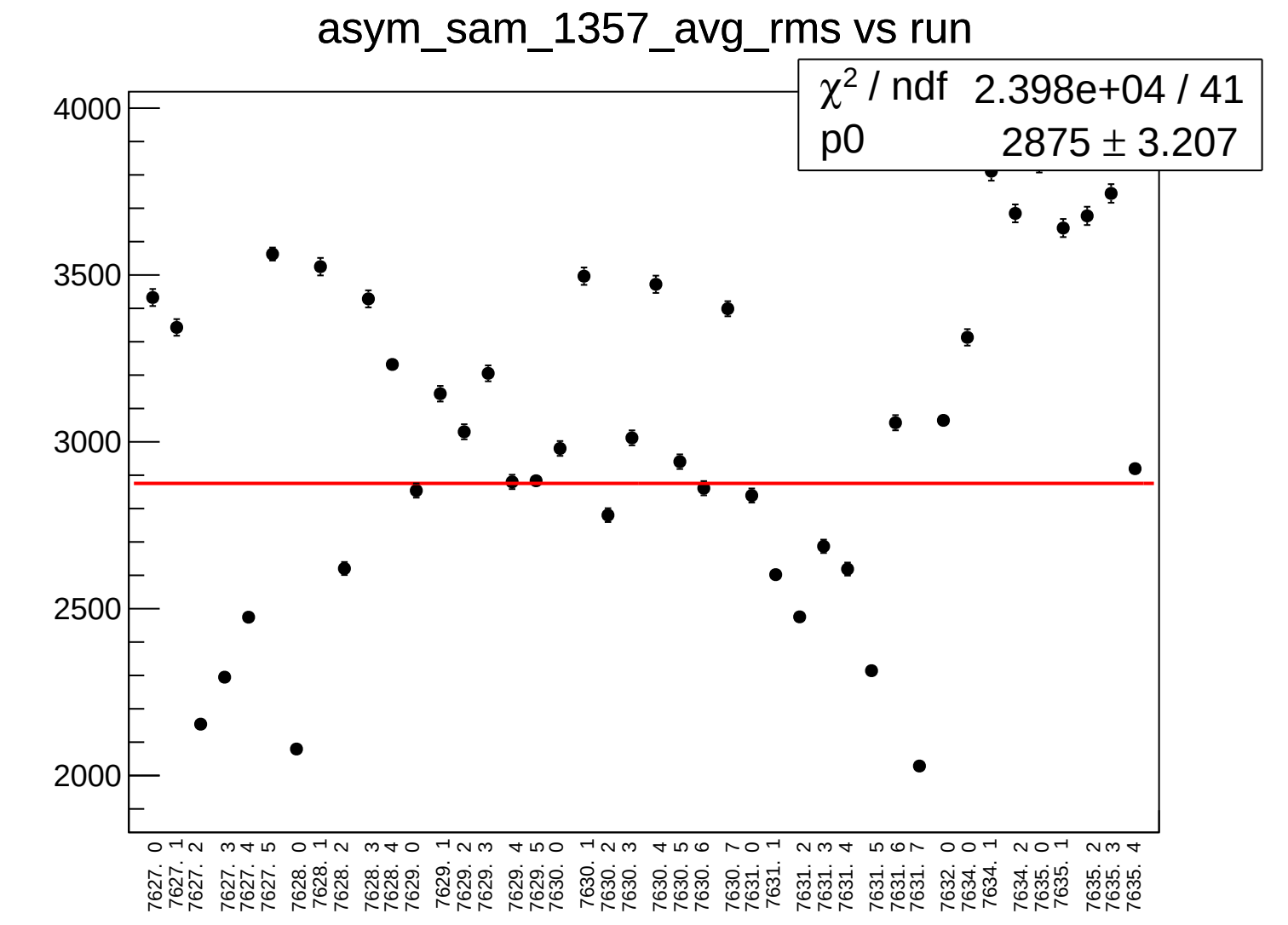

asym_sam_1357_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 40.02 / 41
p0 7526 ± 4329
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −50.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

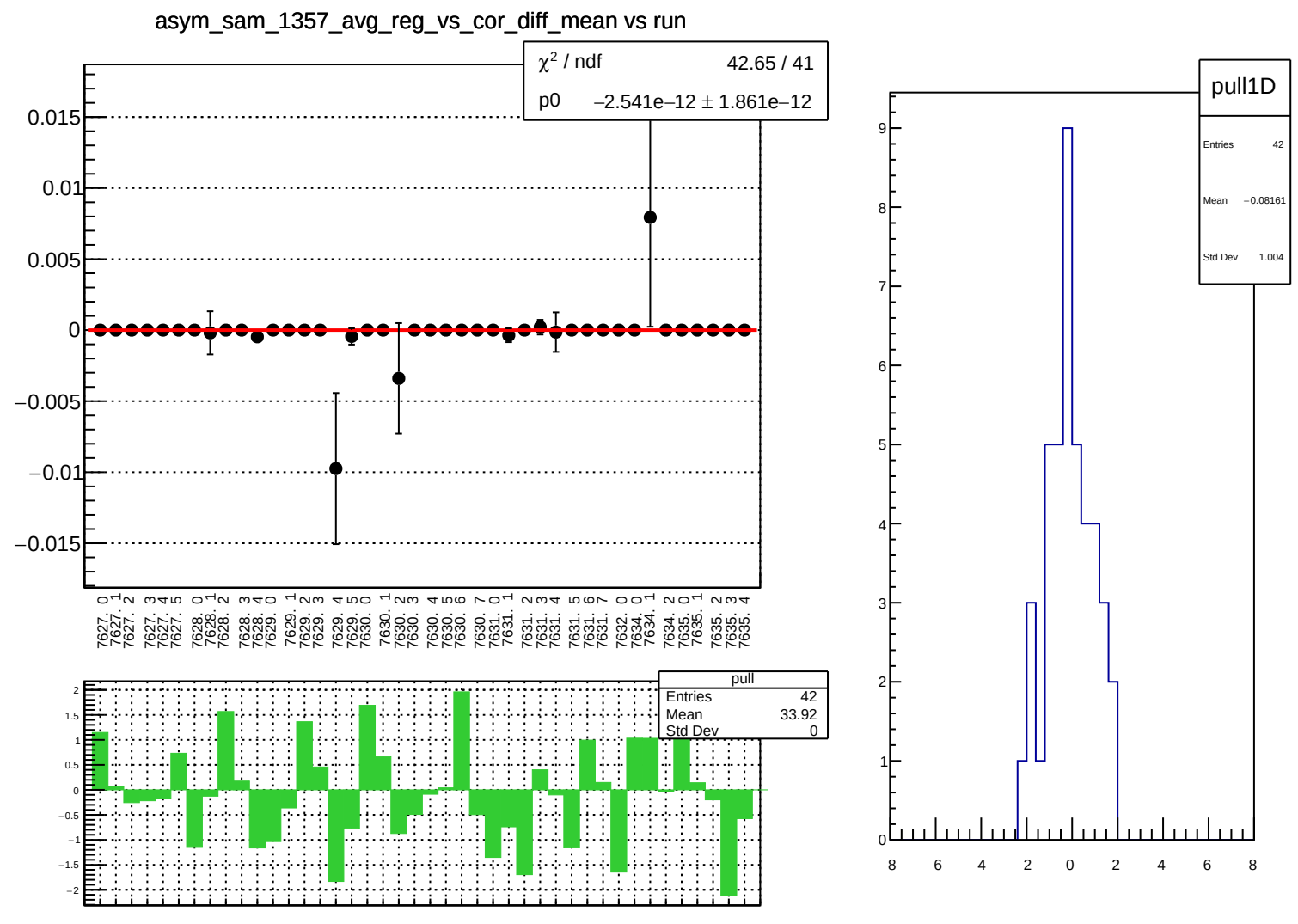

pull1D
Entries 42
Mean 0.01298
Std Dev 0.976
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

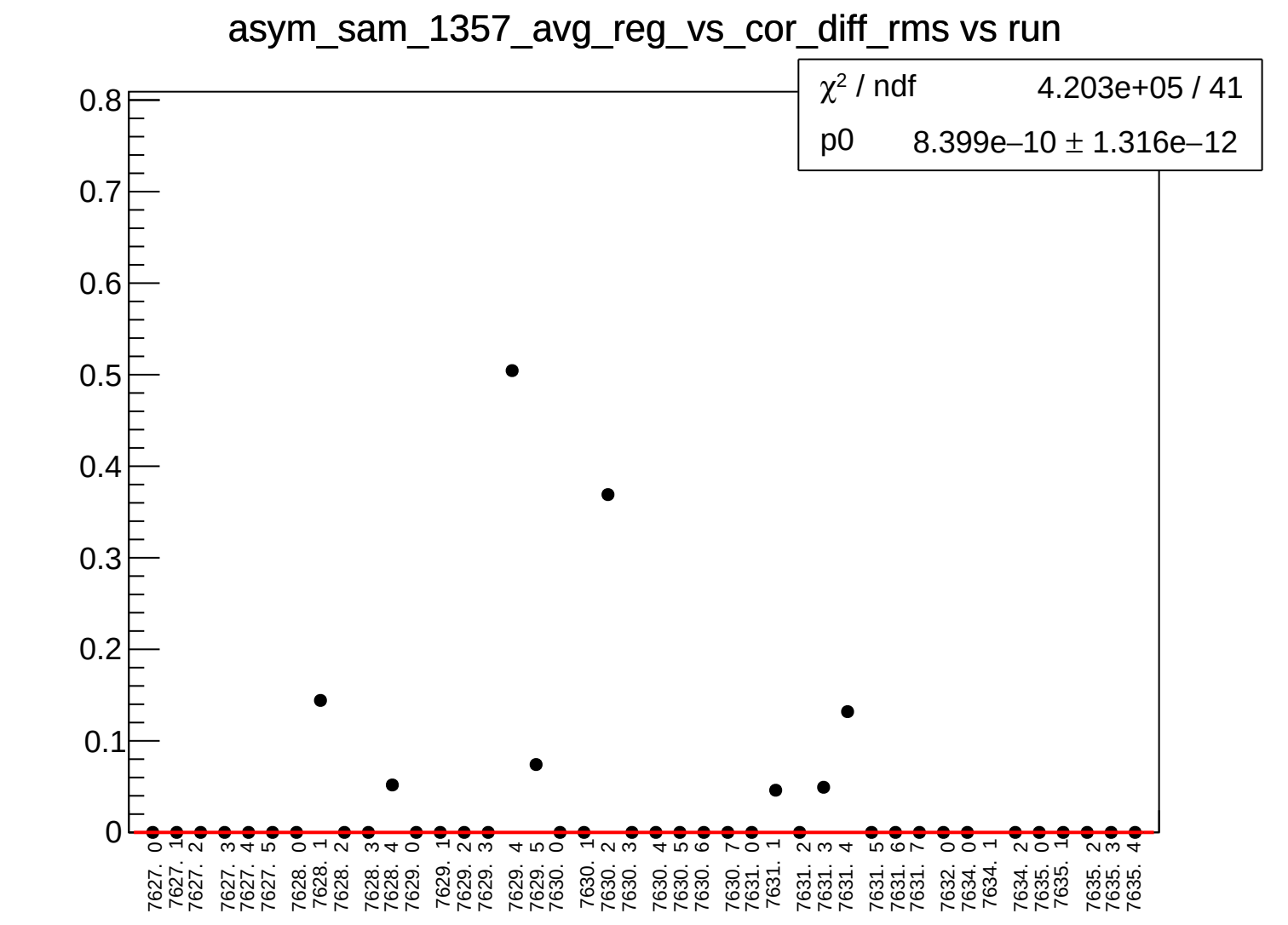

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.413e+04 / 41
p0 2744 ± 3.061
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

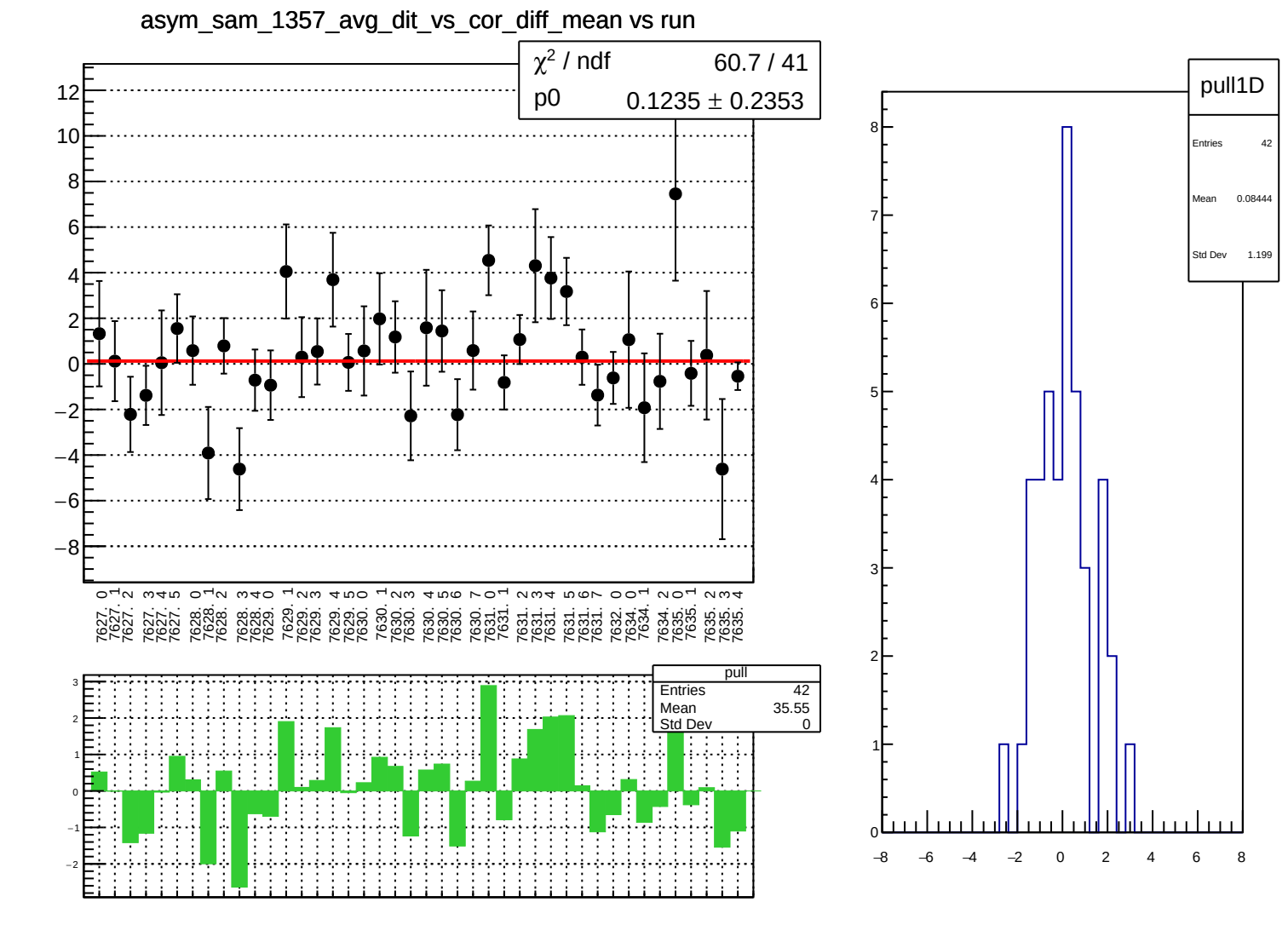

asym_sam_1357_avg_mean vs run
×10^3
χ² / ndf 42.12 / 41
p0 −7788 ± 4536
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −38.22
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

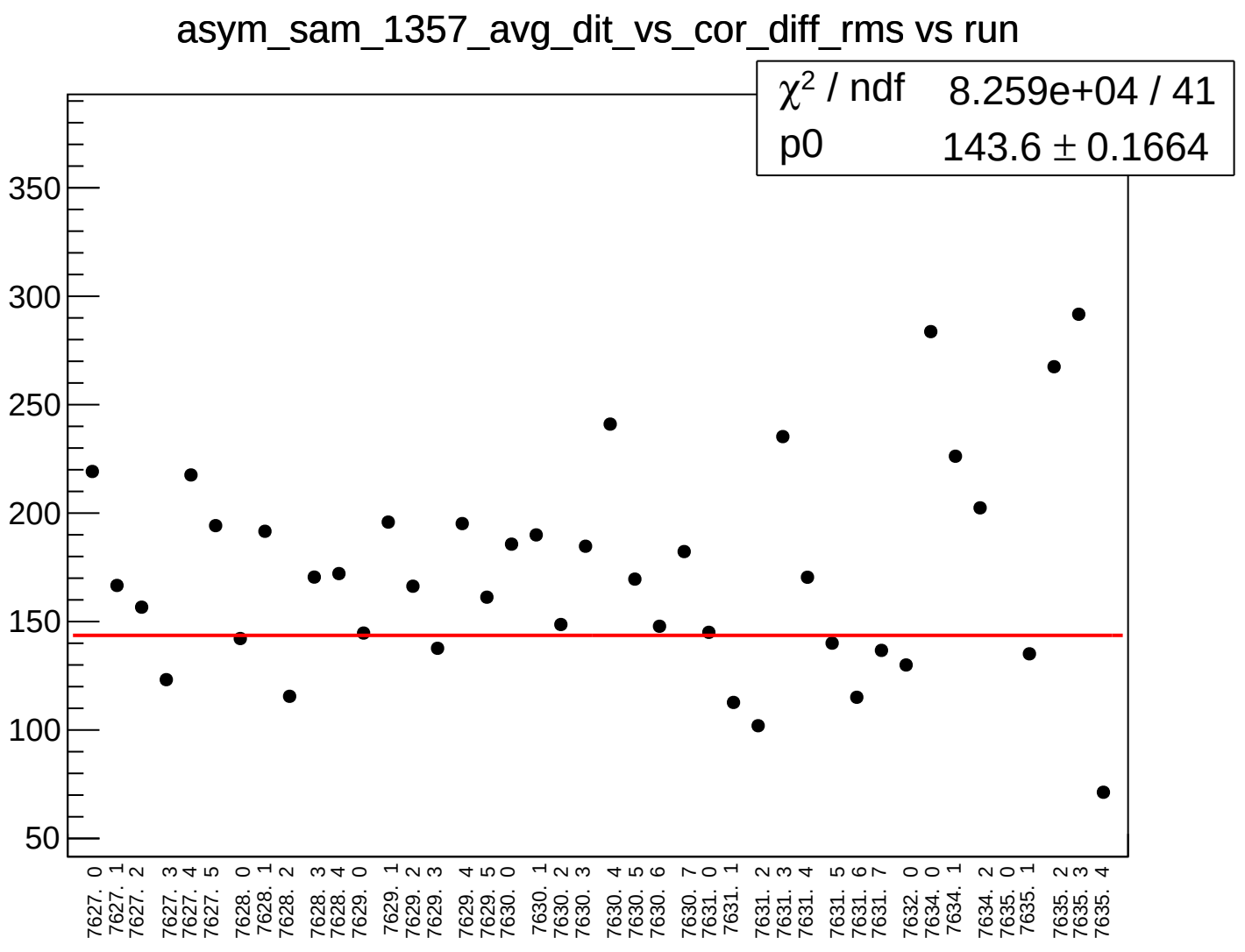

pull1D
Entries 42
Mean −0.02027
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

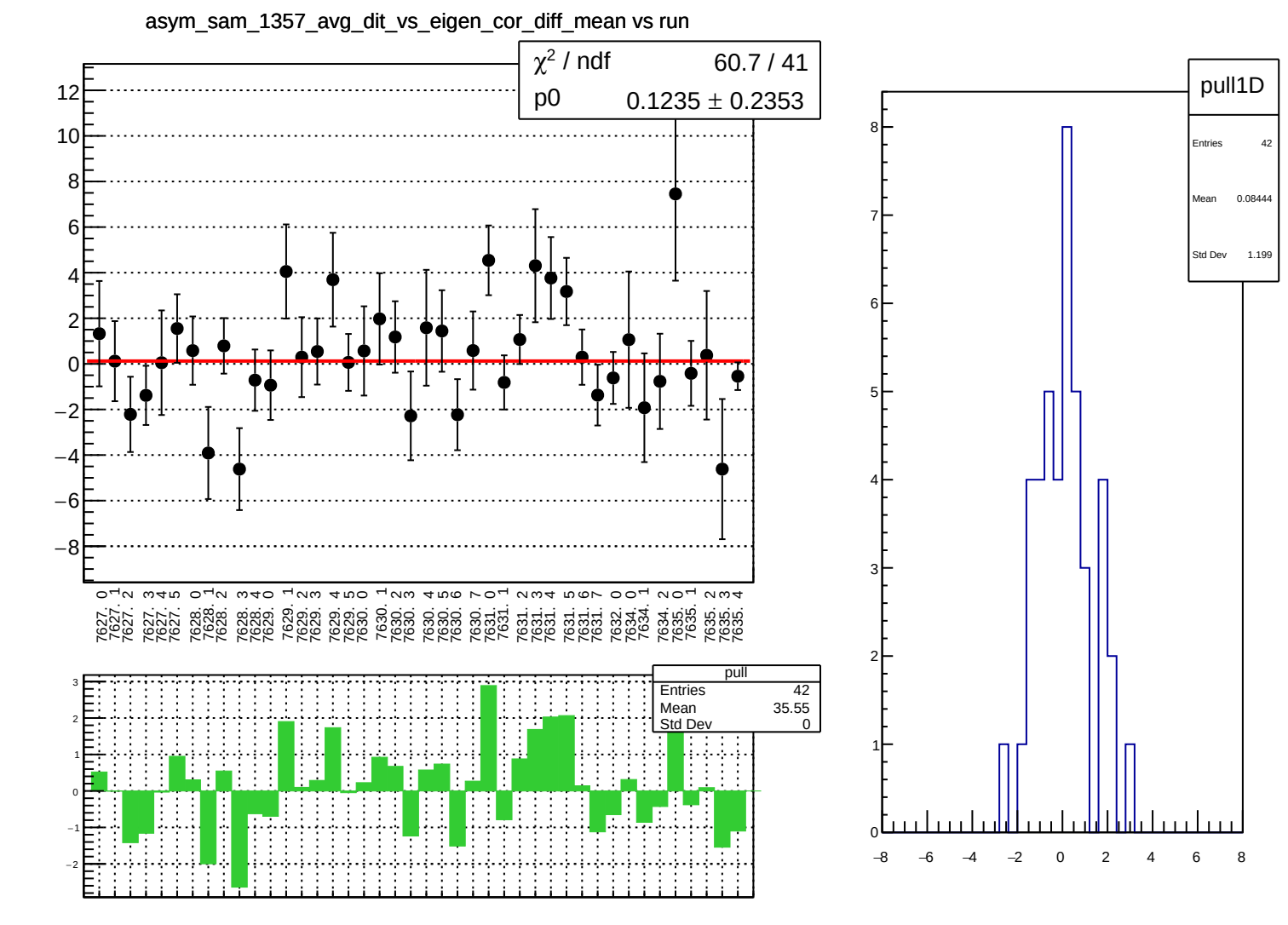

asym_sam_1357_avg_rms vs run
χ² / ndf 2.398e+04 / 41
p0 2875 ± 3.207
4000
3500
3000
2500
2000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

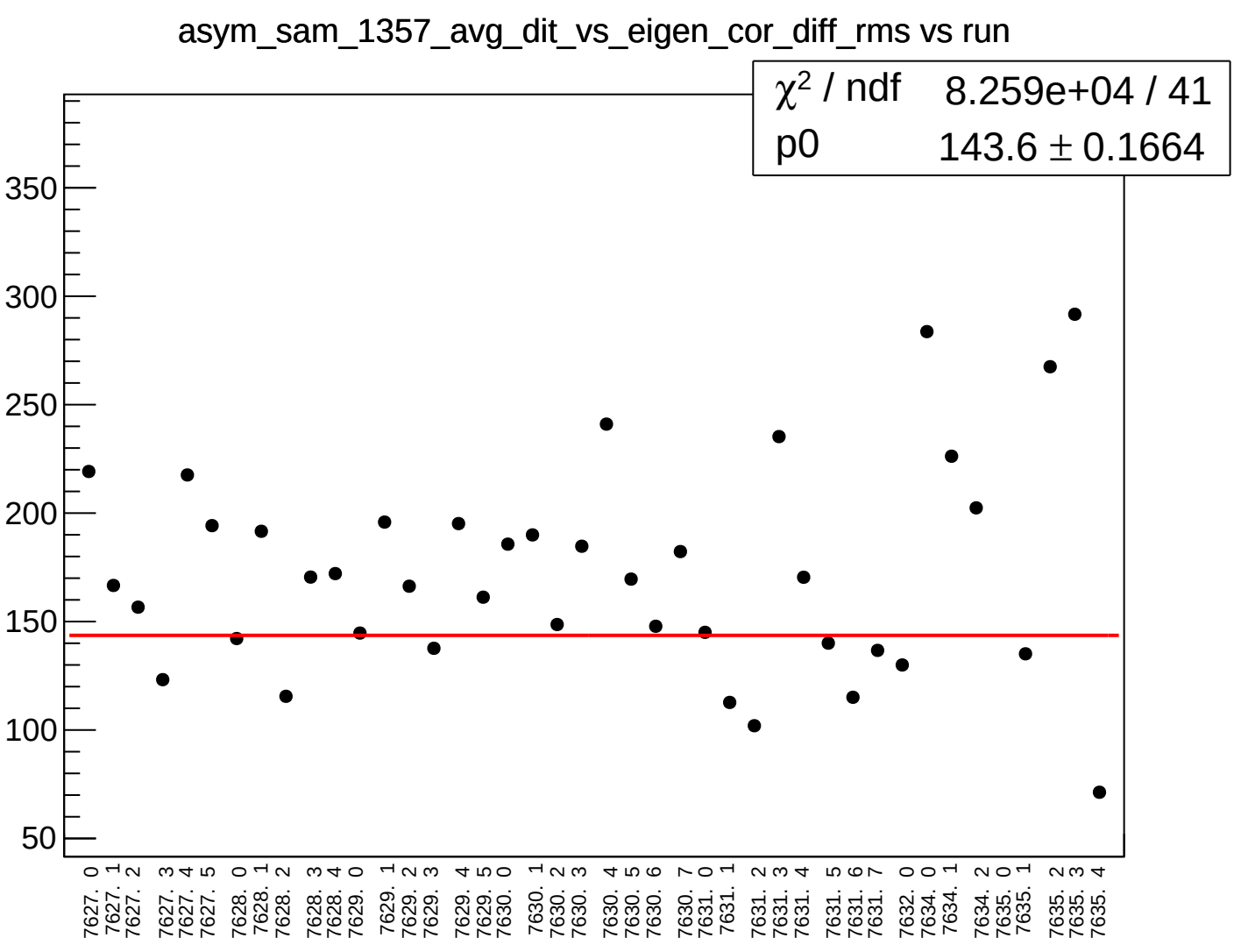

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.65 / 41
p0 −2.541e−12 ± 1.861e−12
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.08161
Std Dev 1.004
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

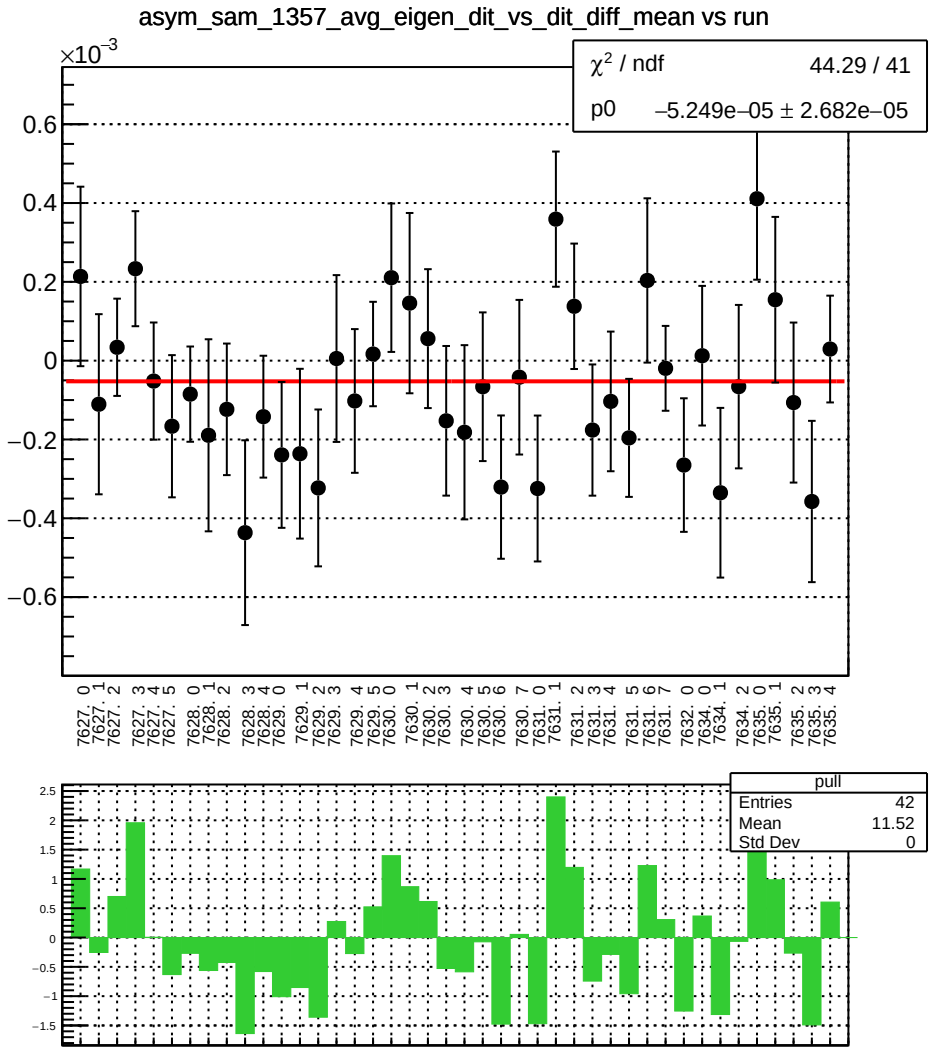

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.203e+05 / 41
p0 8.399e−10 ± 1.316e−12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

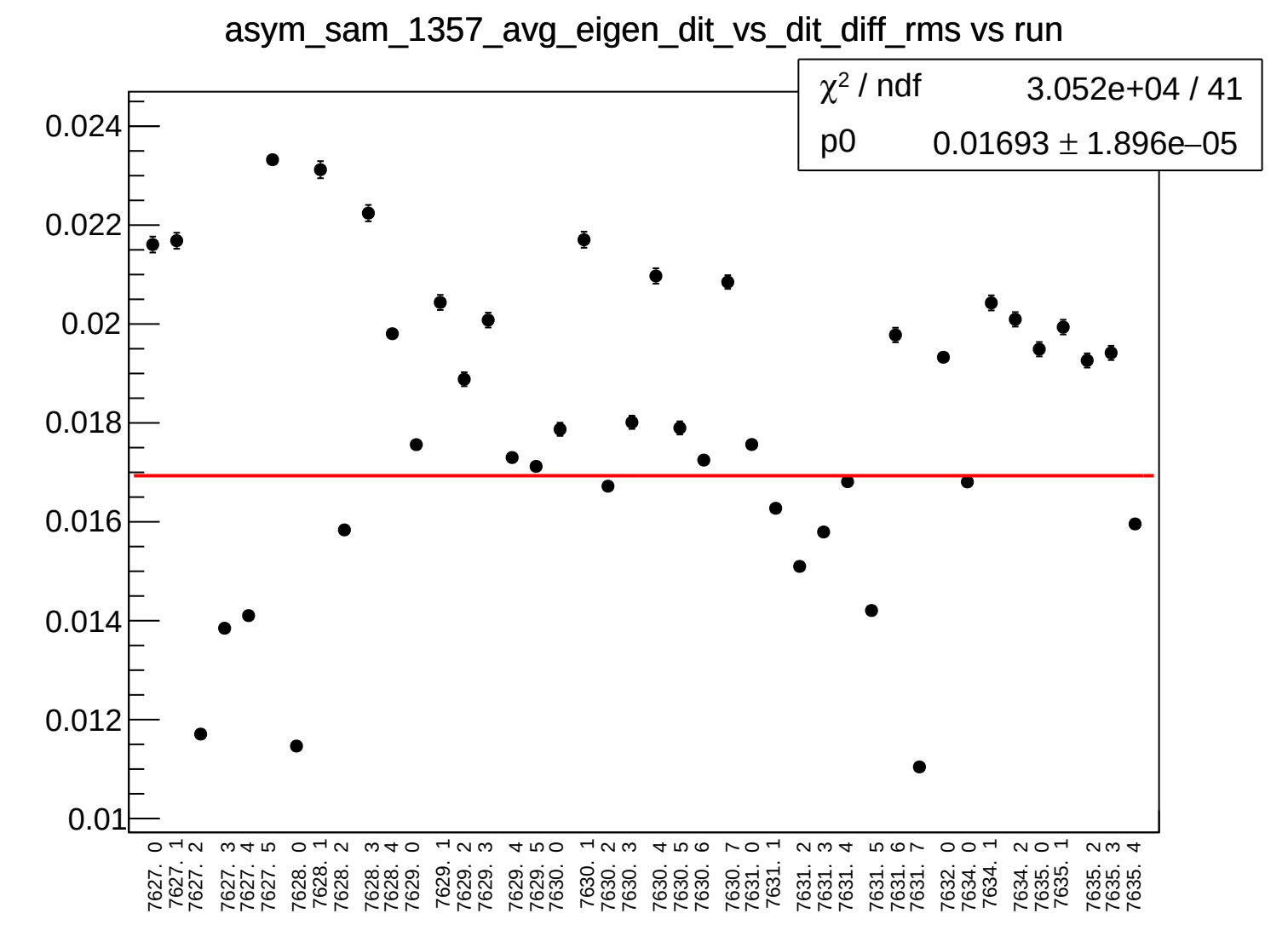

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 60.7 / 41
p0 0.1235 ± 0.2353
pull
Entries 42
Mean 35.55
Std Dev 0
pull1D
Entries 42
Mean 0.08444
Std Dev 1.199

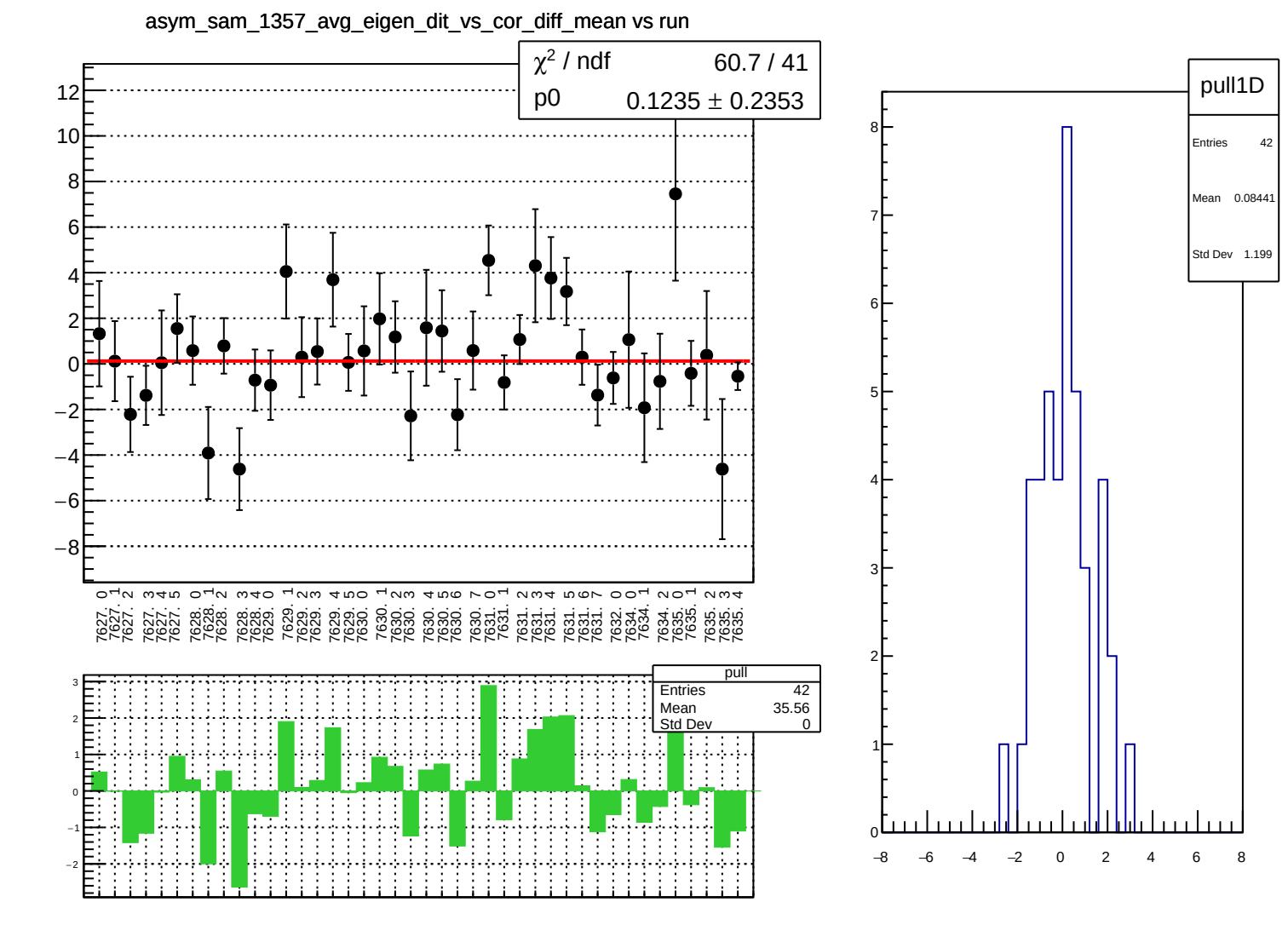

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.259e+04 / 41
p0 143.6 ± 0.1664
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

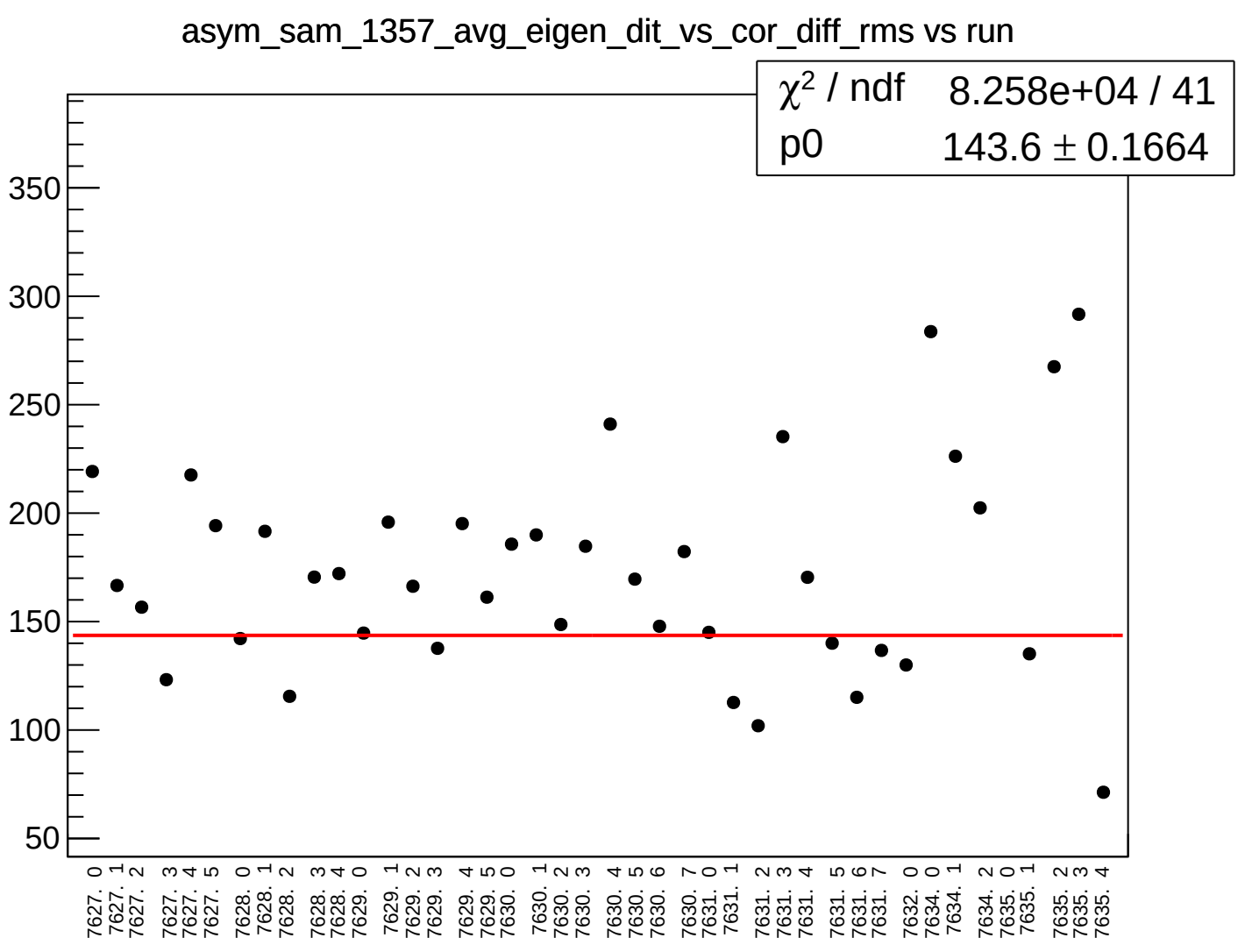

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.7 / 41
p0 0.1235 ± 0.2353
pull
Entries 42
Mean 35.55
Std Dev 0
pull1D
Entries 42
Mean 0.08444
Std Dev 1.199

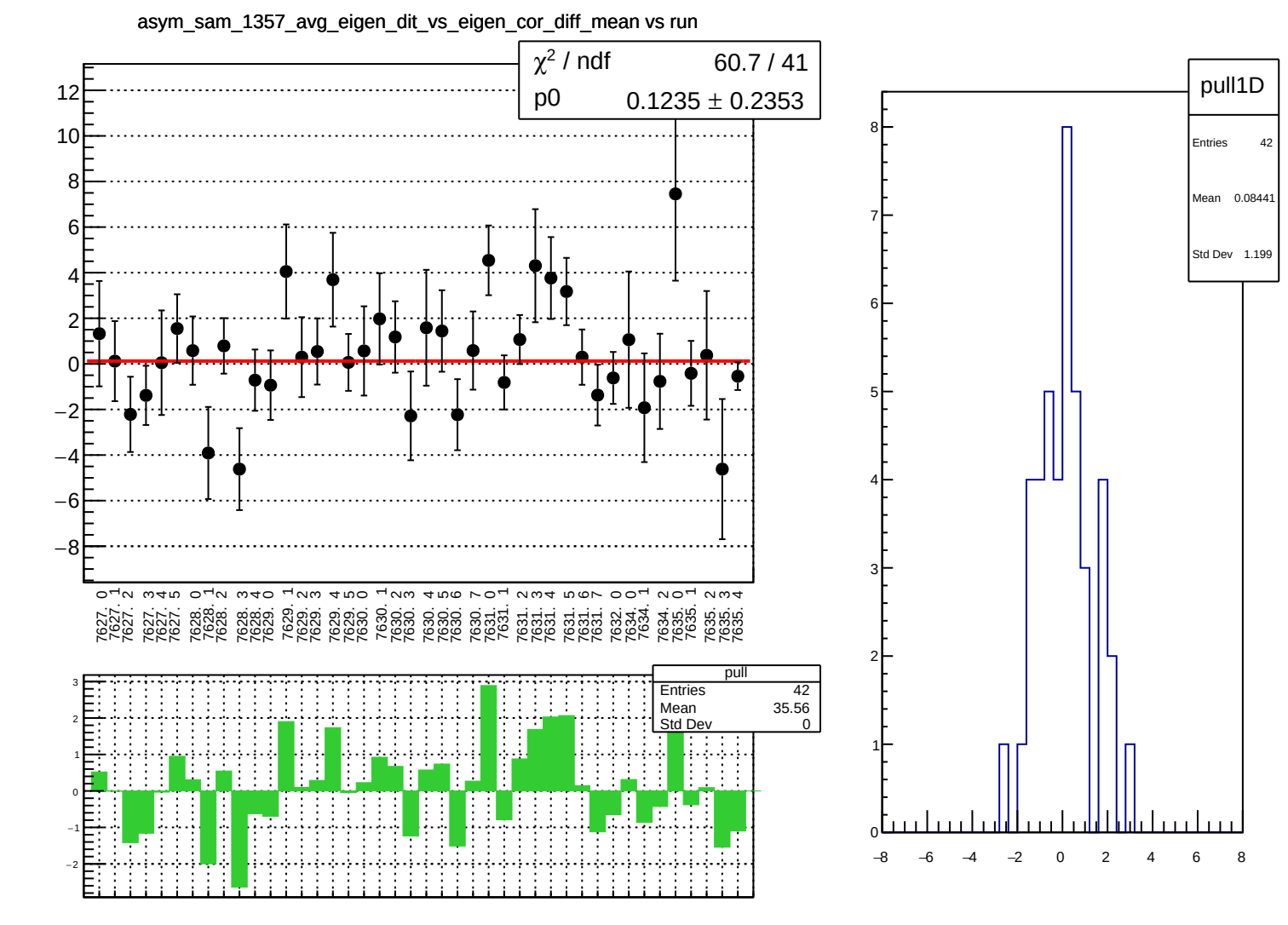

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.259e+04 / 41
p0 143.6 ± 0.1664
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

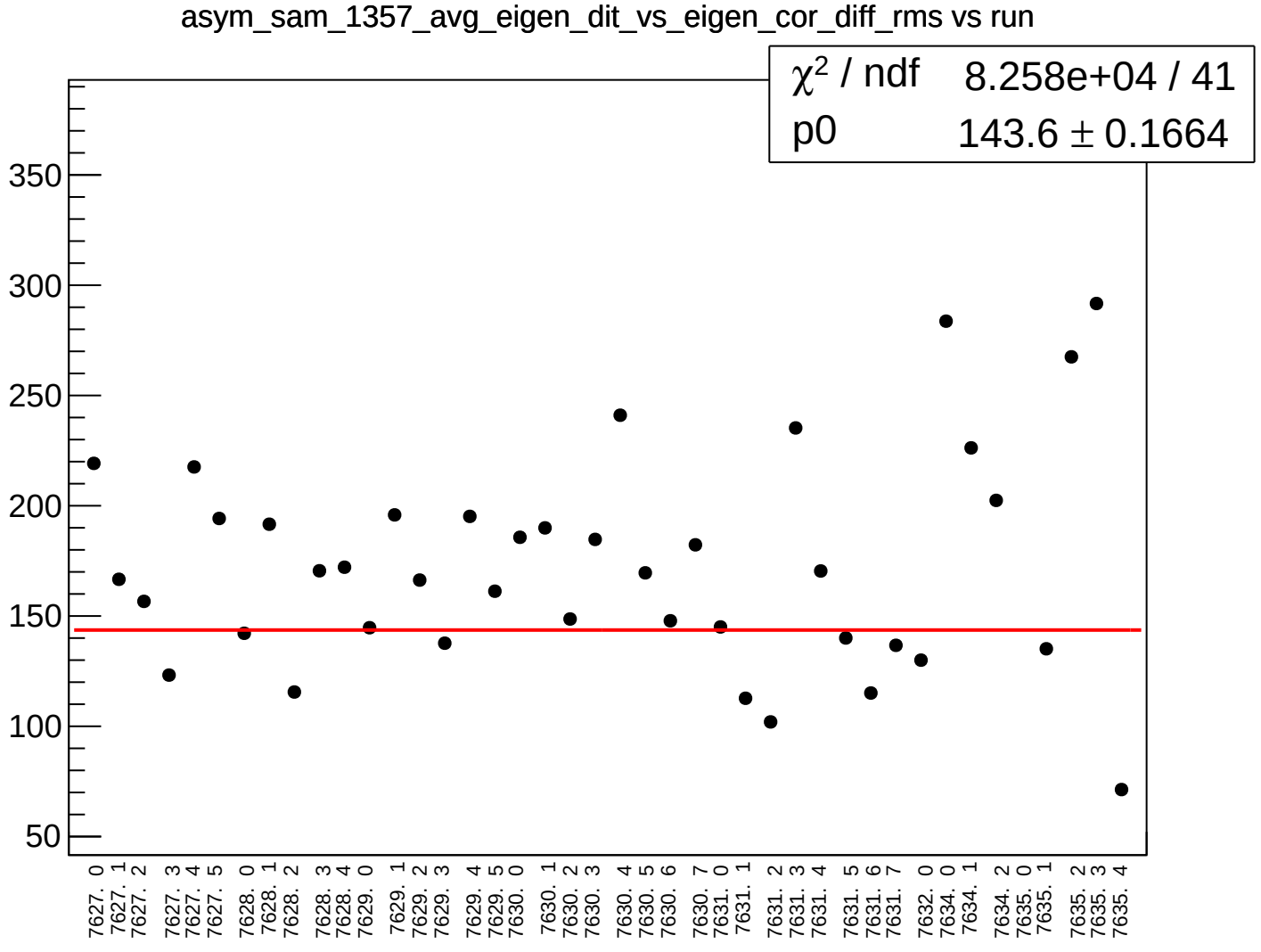

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.29 / 41
p0 −5.249e−05 ± 2.682e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 11.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03465
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

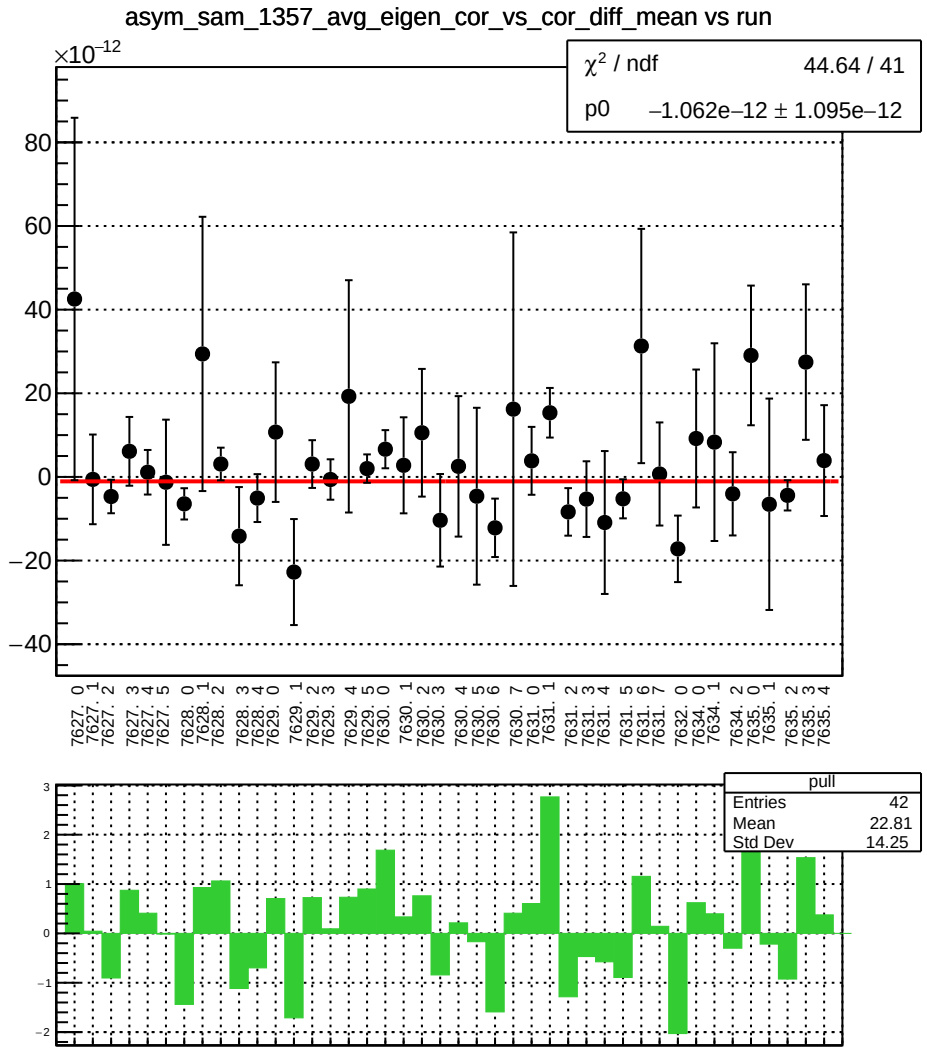

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.052e+04 / 41
p0 0.01693 ± 1.896e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

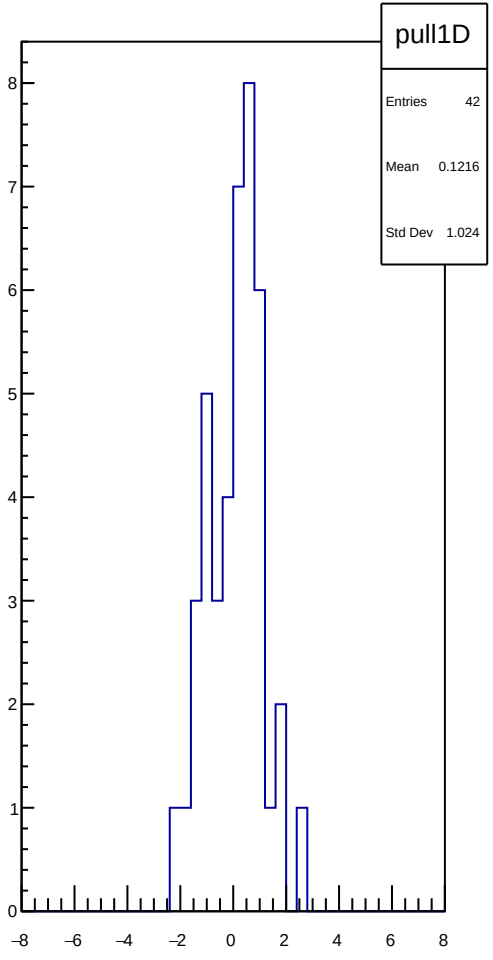

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.7 / 41
p0 0.1235 ± 0.2353
pull
Entries 42
Mean 35.56
Std Dev 0
pull1D
Entries 42
Mean 0.08441
Std Dev 1.199

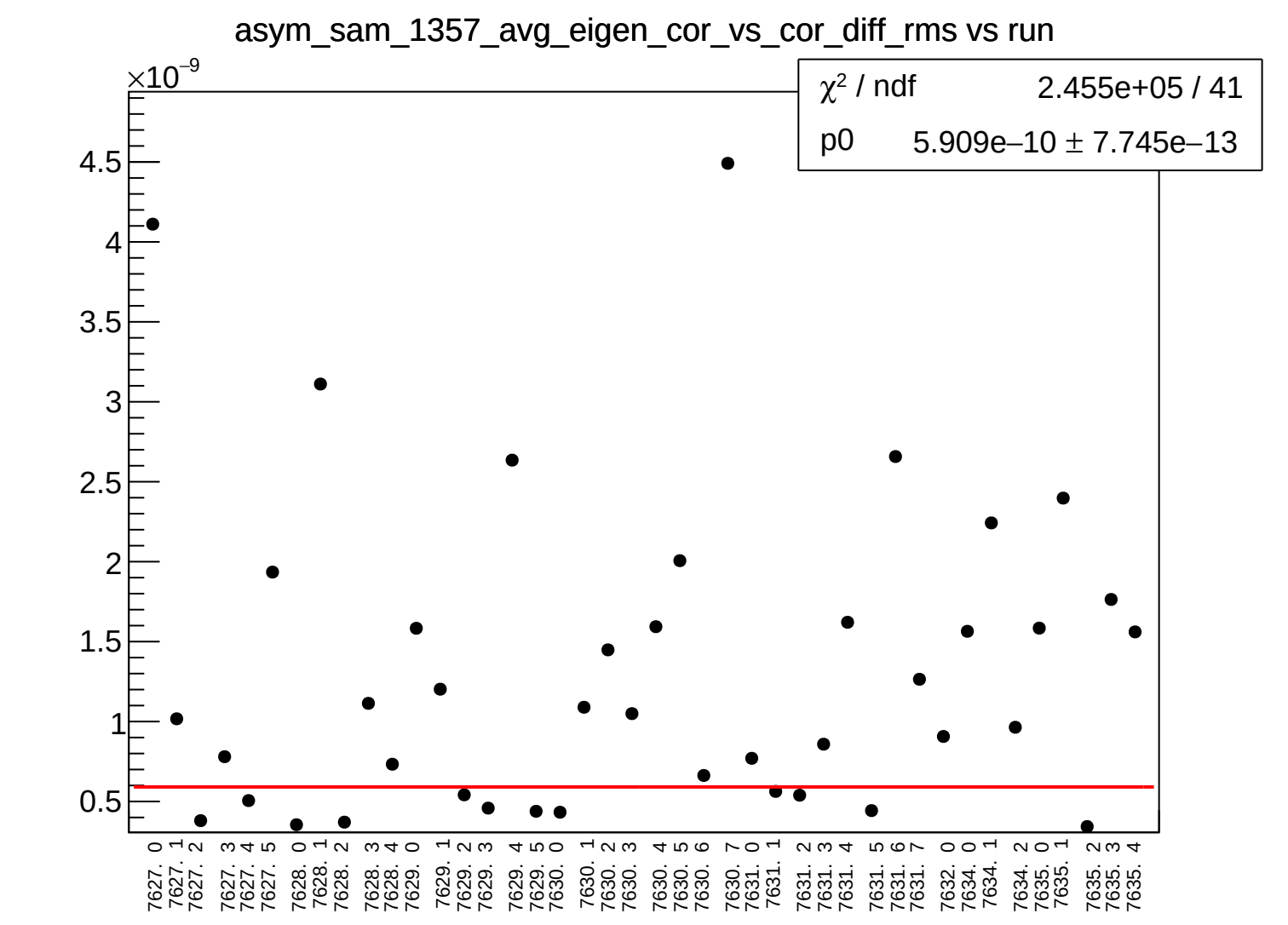

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.258e+04 / 41
p0 143.6 ± 0.1664
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

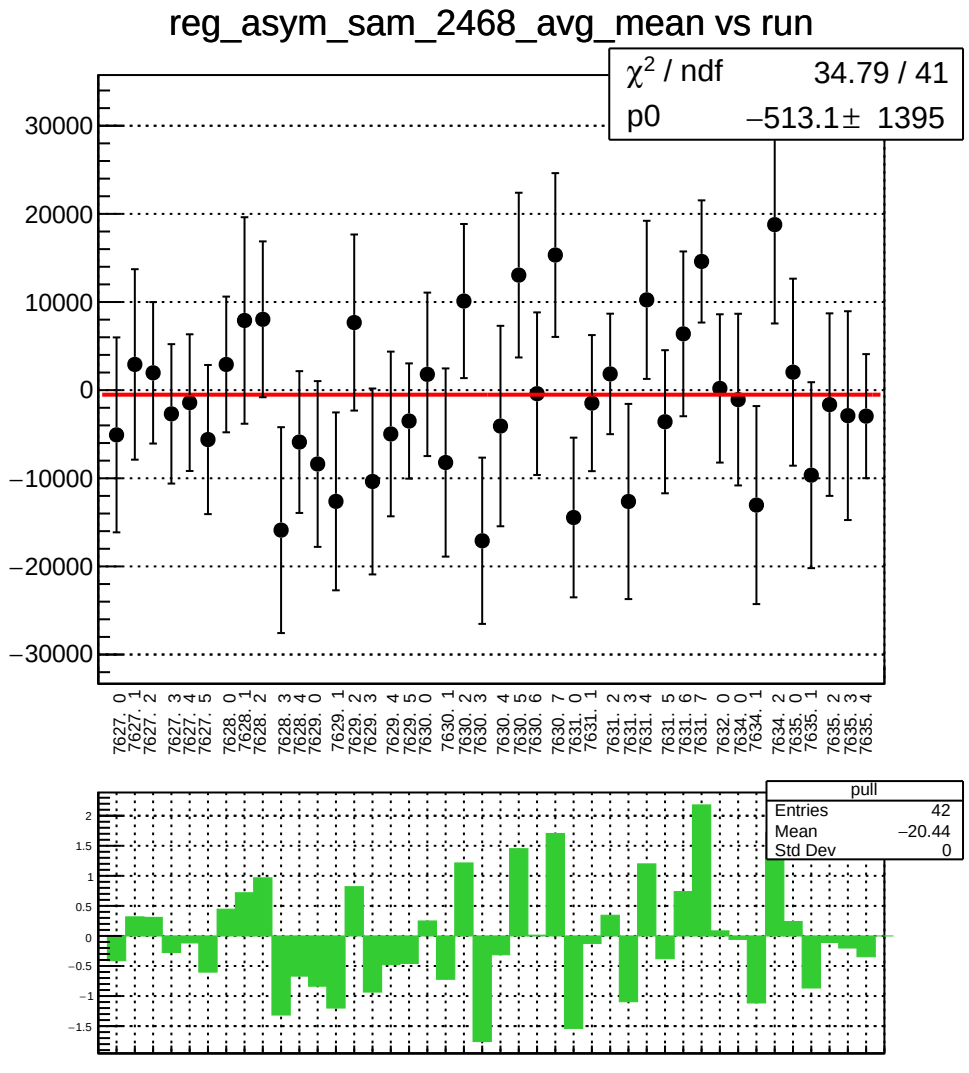

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.7 / 41
p0 0.1235 ± 0.2353
pull
Entries 42
Mean 35.56
Std Dev 0
pull1D
Entries 42
Mean 0.08441
Std Dev 1.199

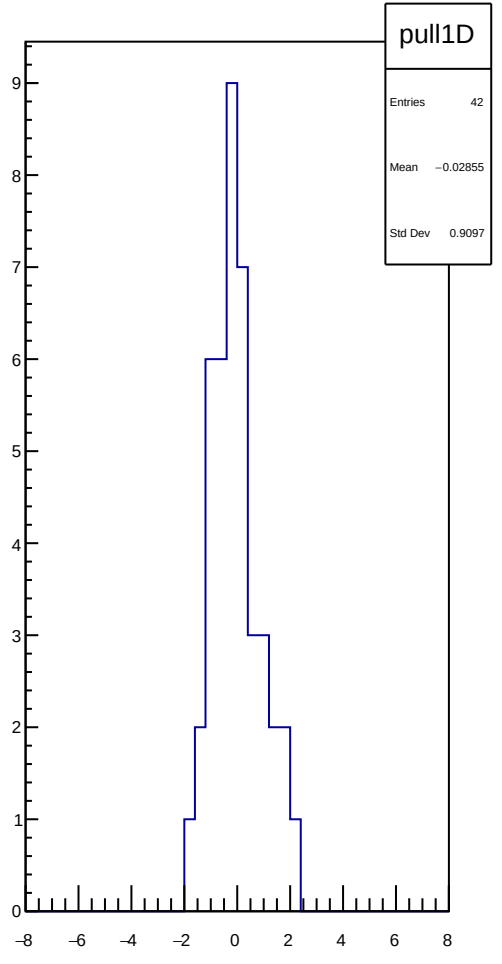

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.258e+04 / 41
p0 143.6 ± 0.1664
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

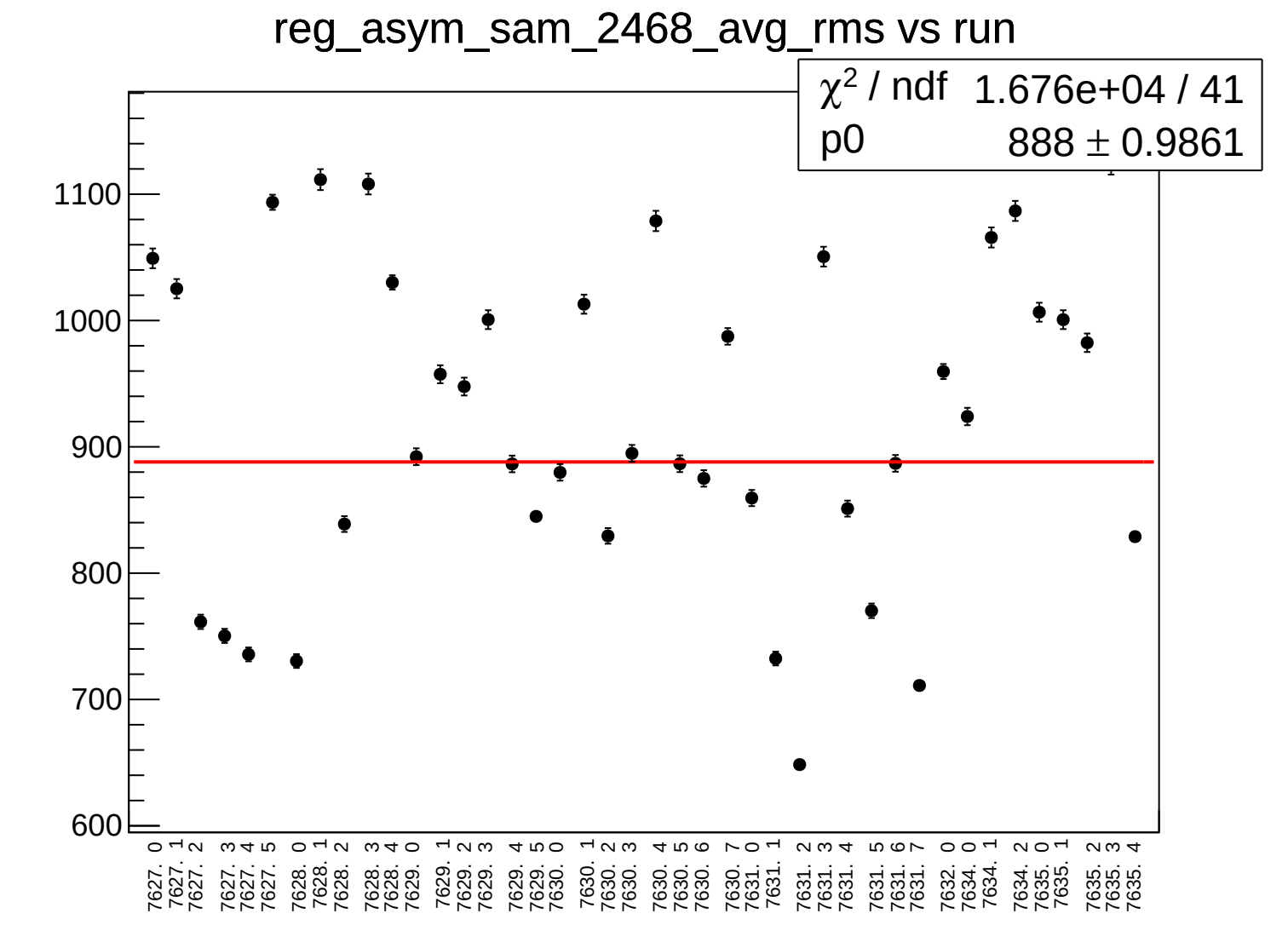

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.64 / 41
p0 −1.062e−12 ± 1.095e−12
80
60
40
20
0
−20
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 22.81
Std Dev 14.25
3
2
1
0
−1
−2

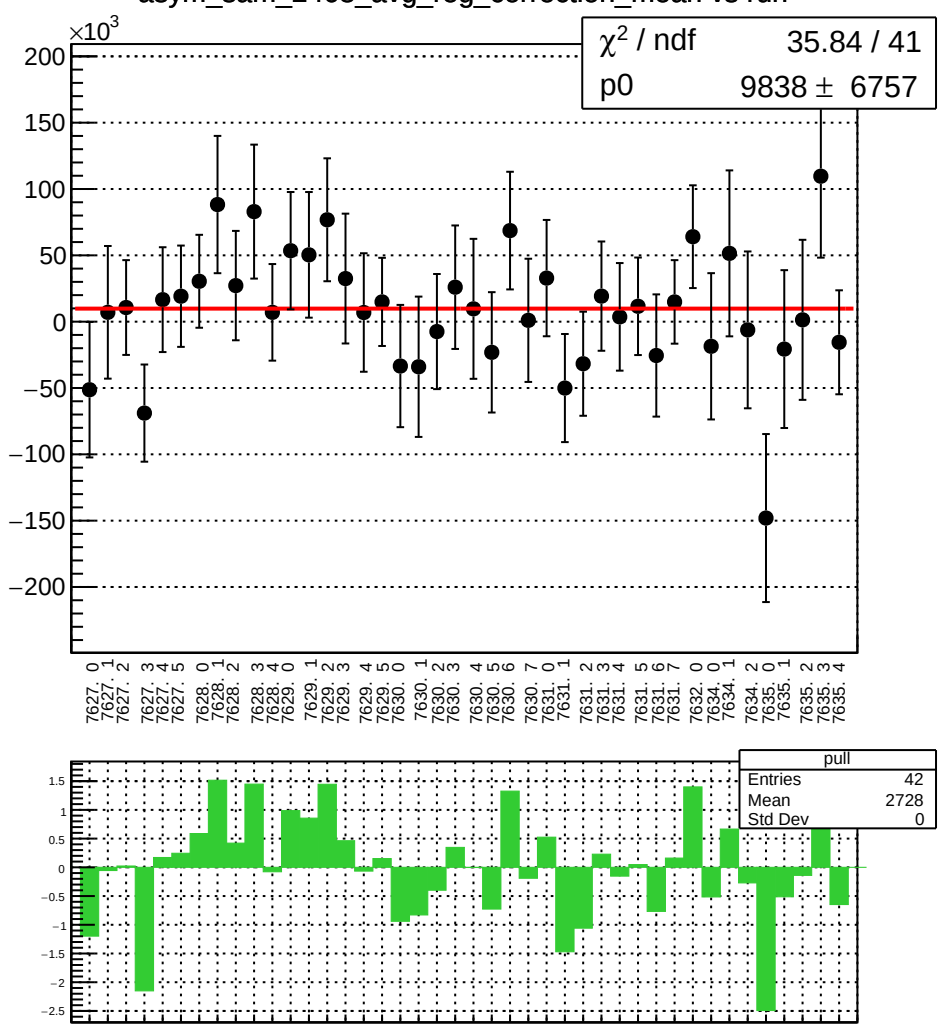

pull1D
Entries 42
Mean 0.1216
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

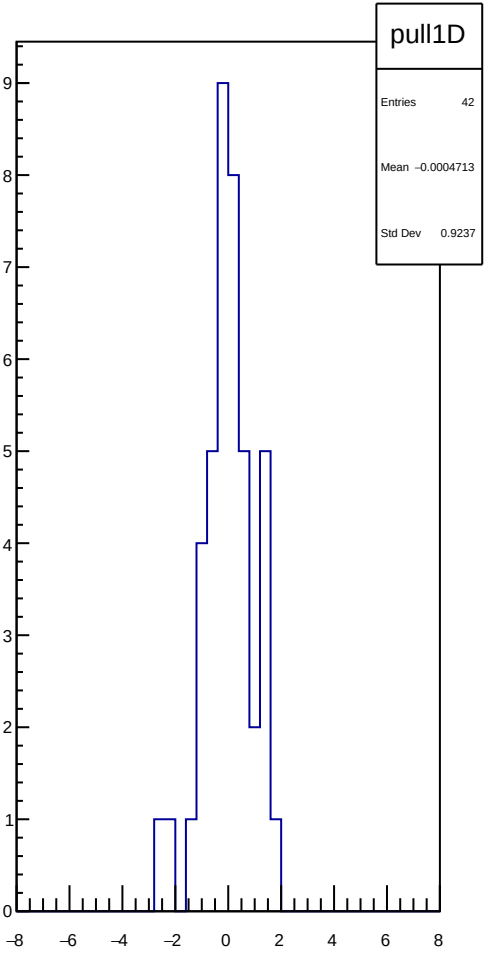

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.455e+05 / 41
p0 5.909e−10 ± 7.745e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

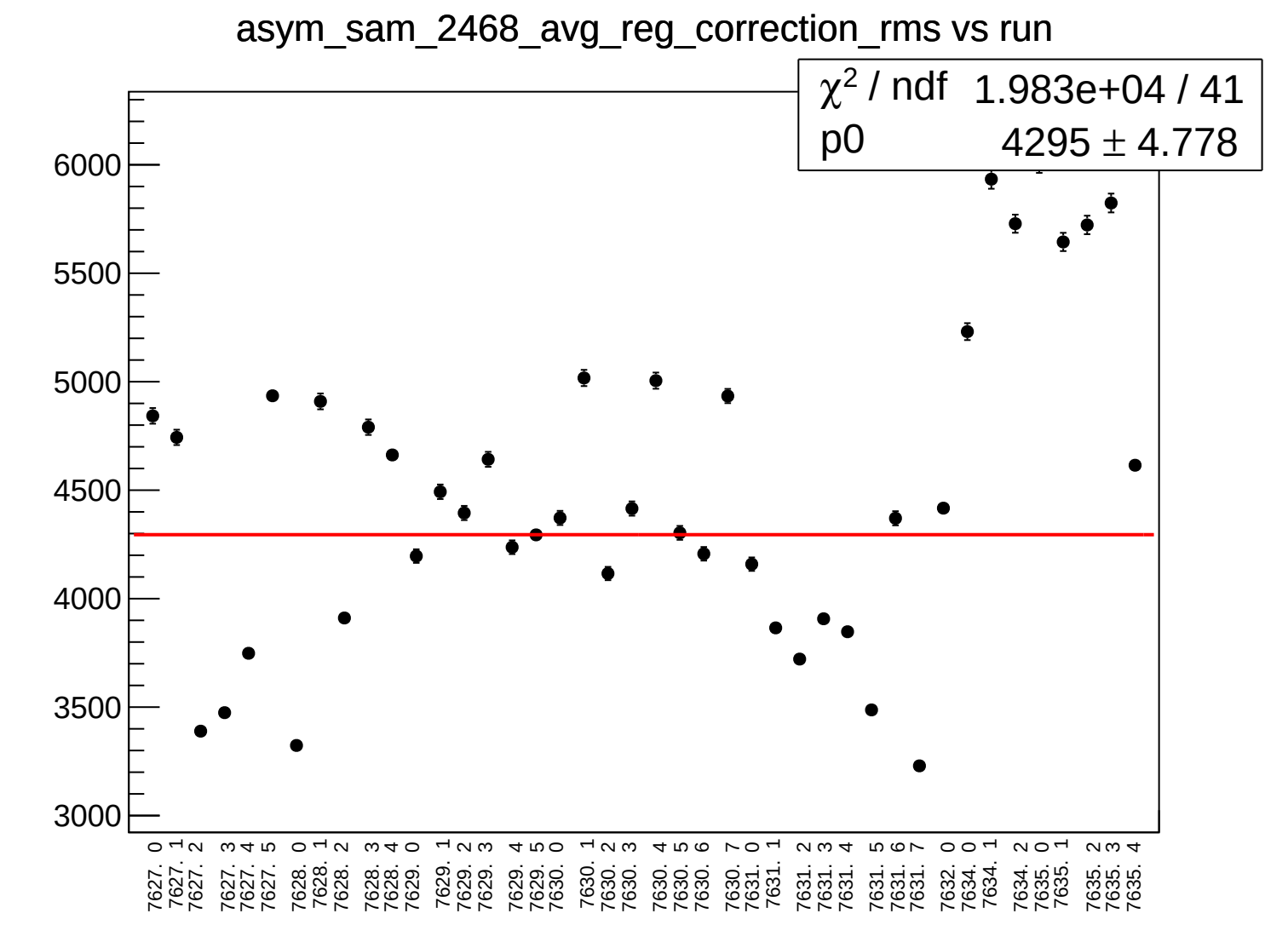

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 34.79 / 41
p0 −513.1± 1395
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −20.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

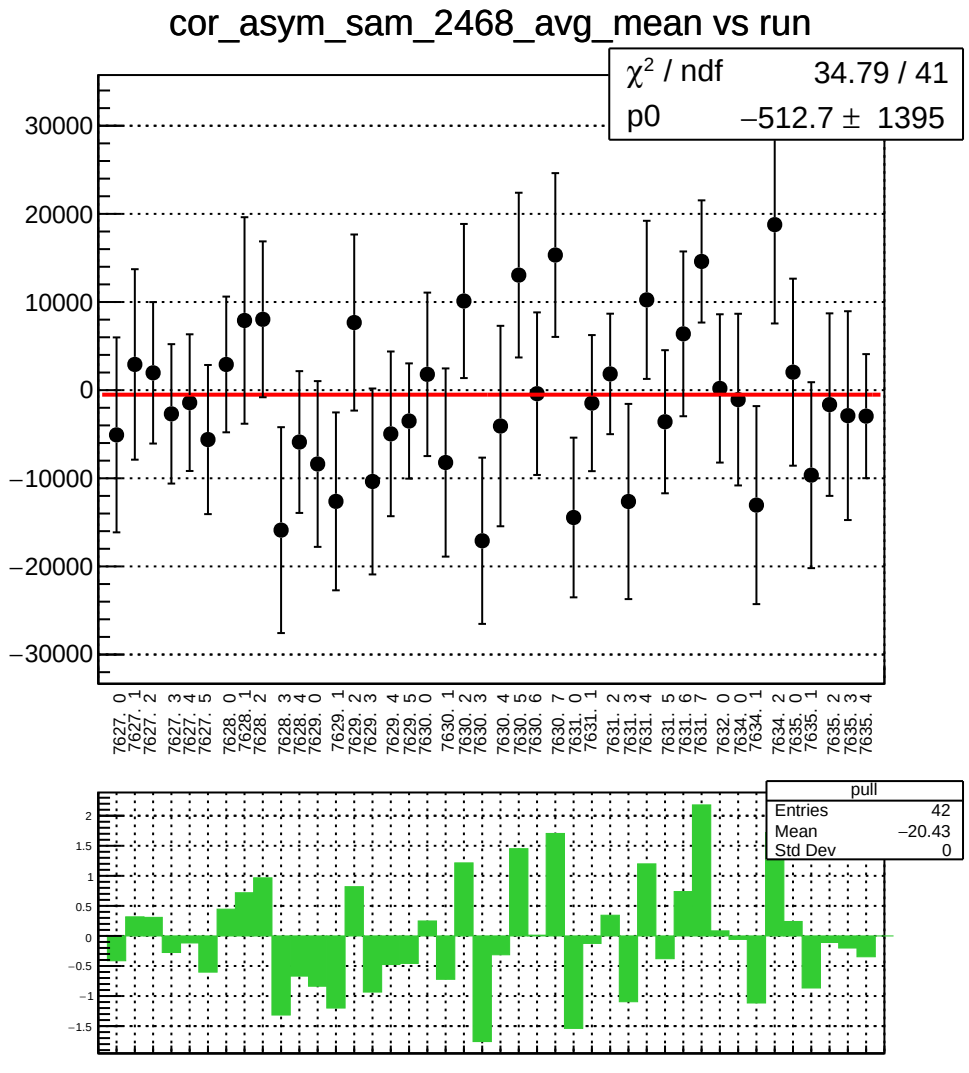

pull1D
Entries 42
Mean −0.02855
Std Dev 0.9097
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

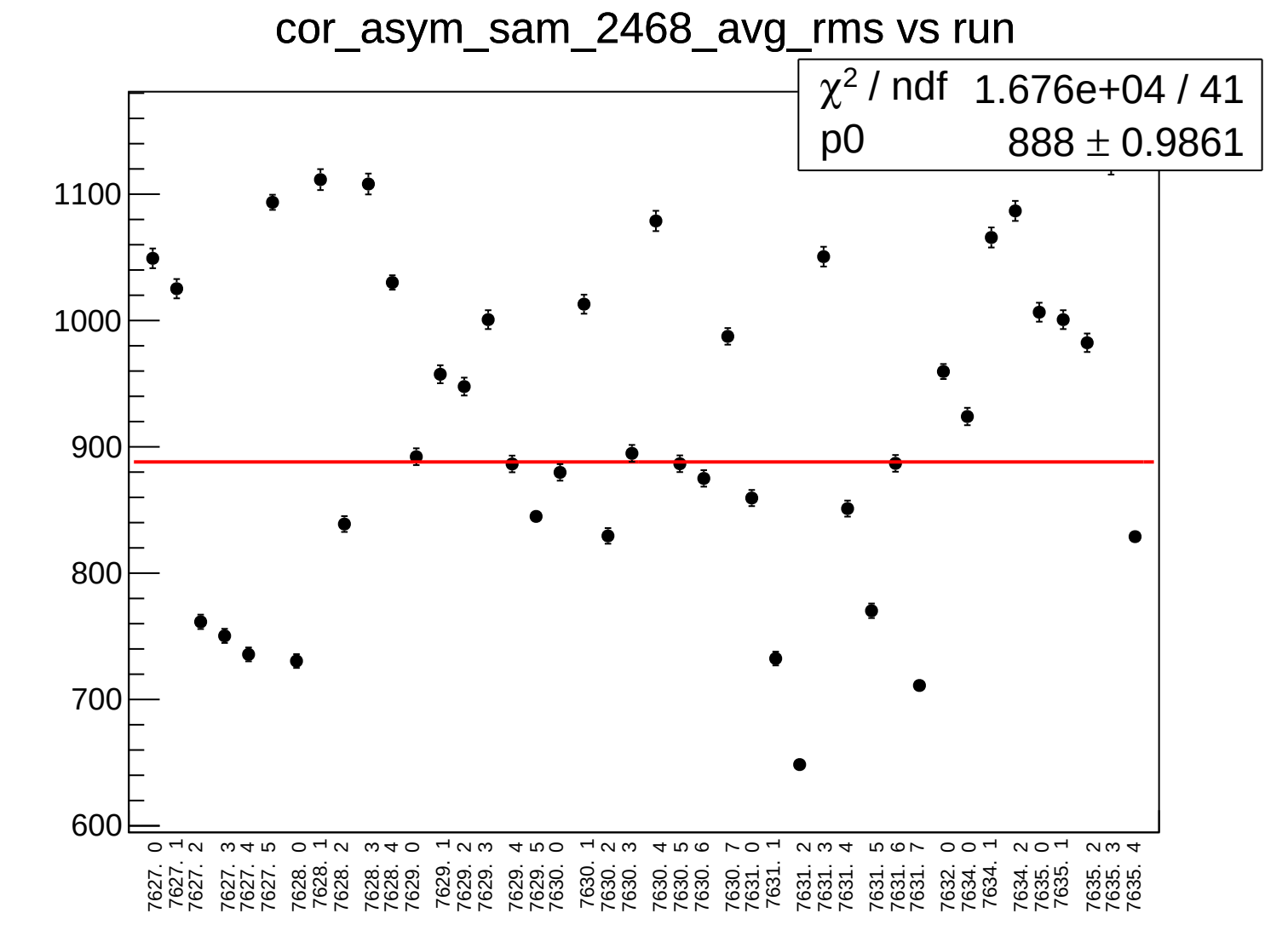

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 1.676e+04 / 41
p0 888 ± 0.9861
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

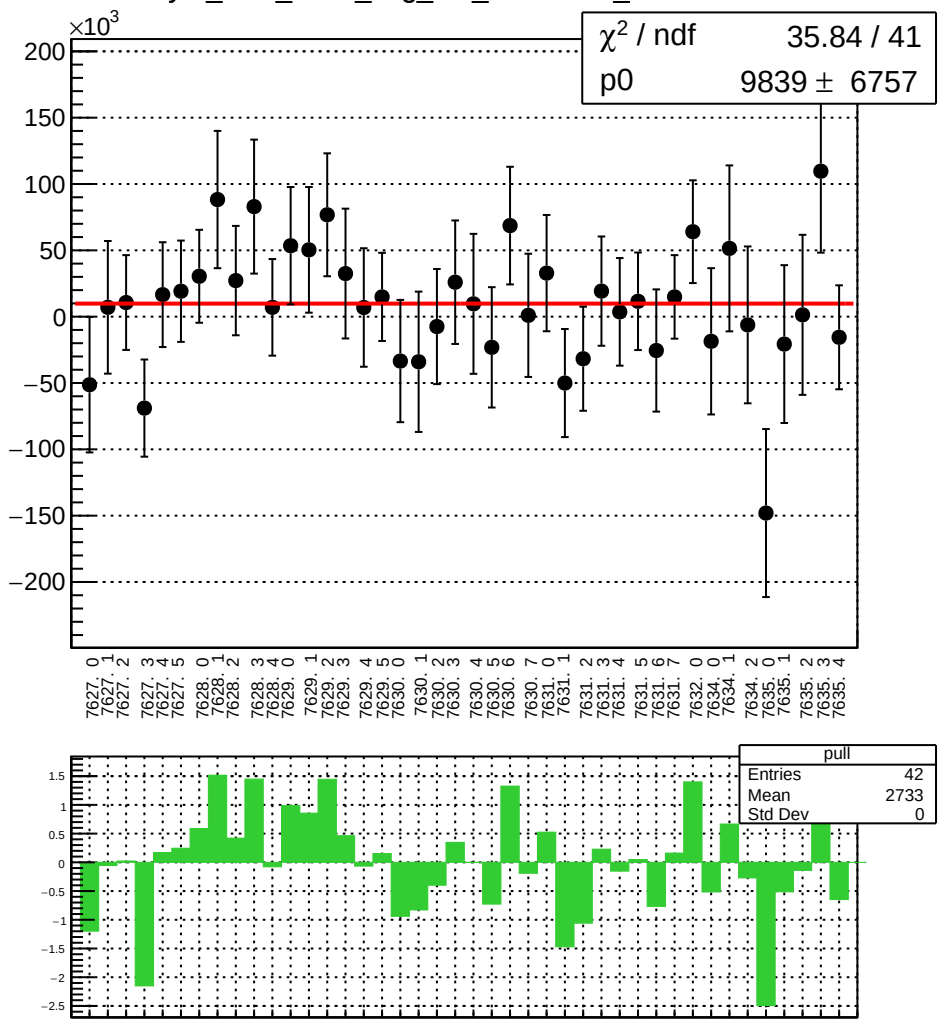

asym_sam_2468_avg_reg_correction_mean vs run
×10^3
χ² / ndf 35.84 / 41
p0 9838 ± 6757
pull
Entries 42
Mean 2728
Std Dev 0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

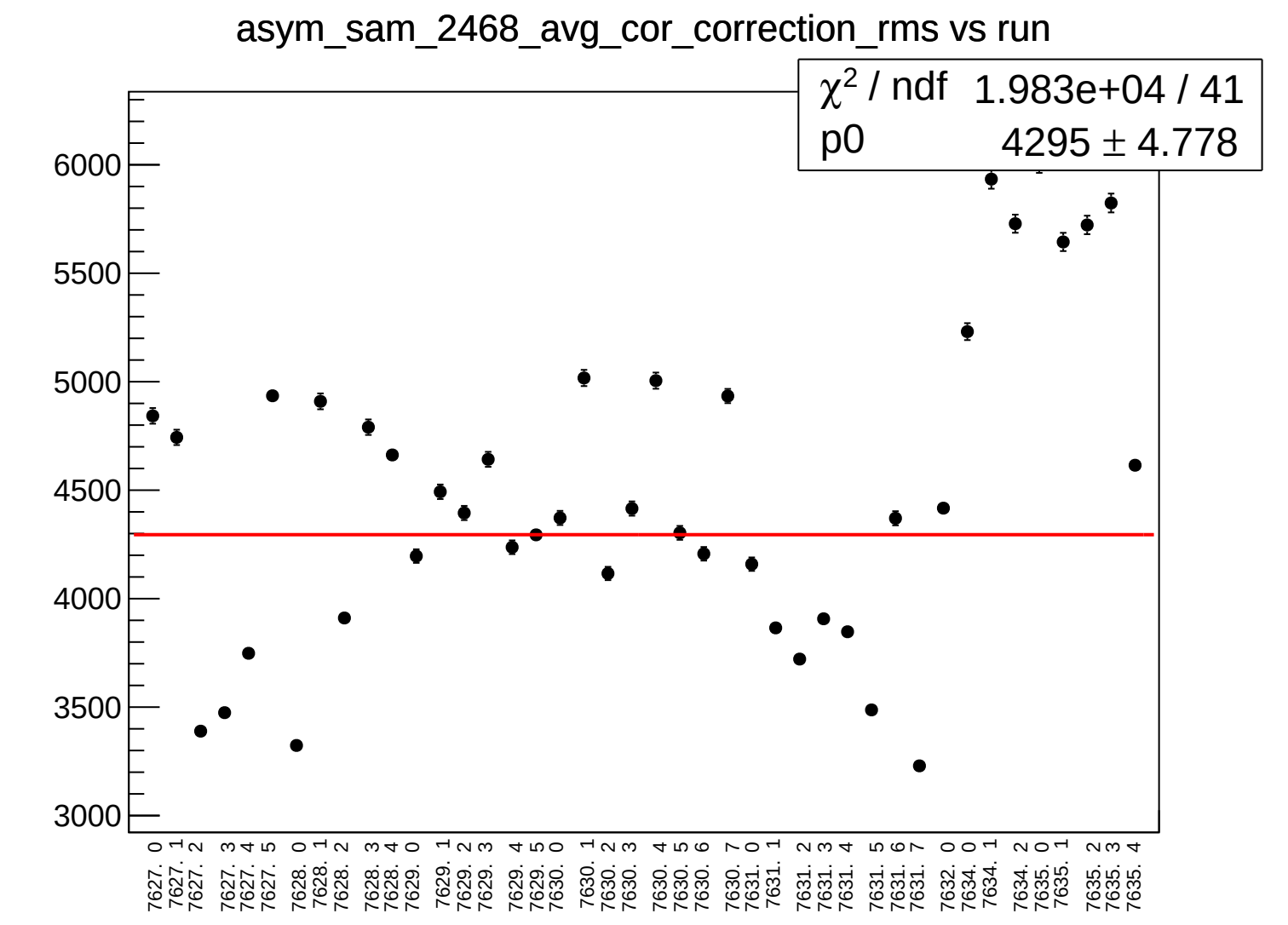

pull1D
Entries 42
Mean −0.0004713
Std Dev 0.9237

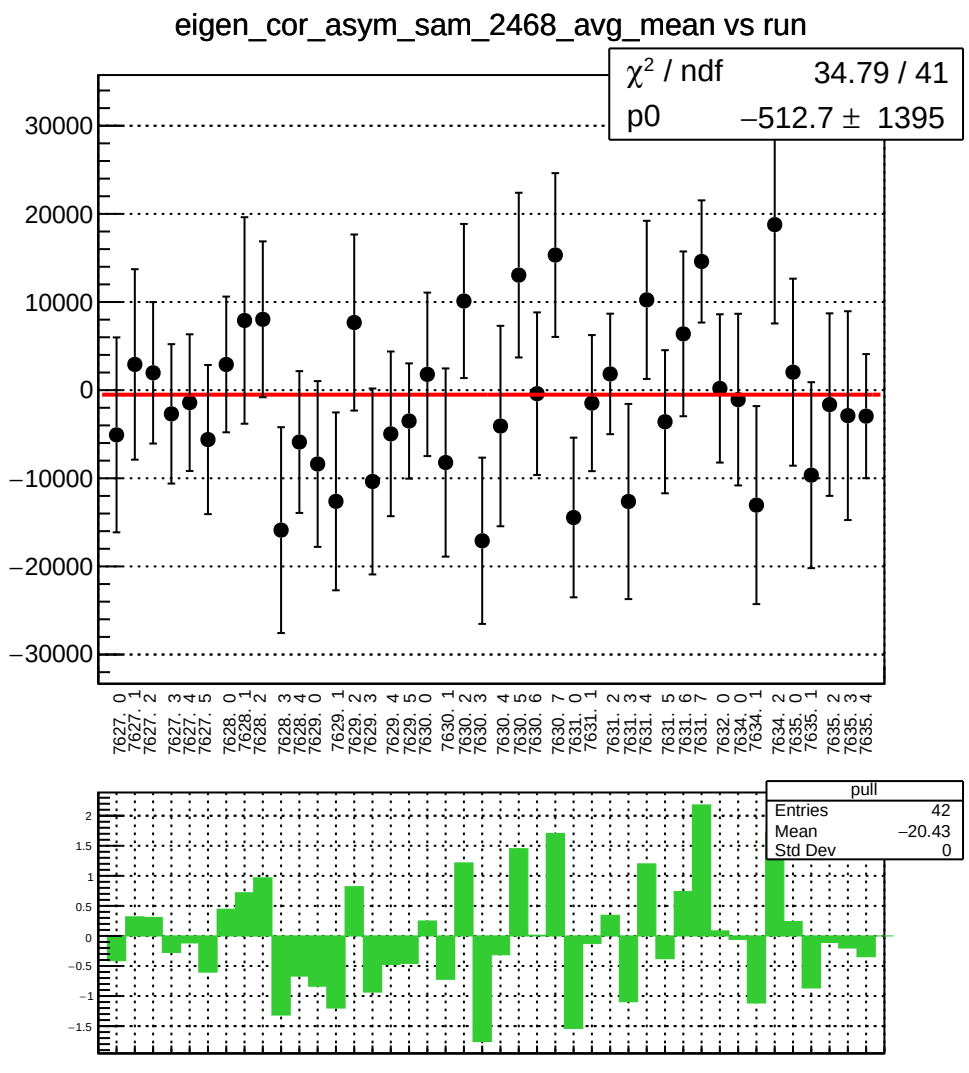

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 1.983e+04 / 41
p0 4295 ± 4.778
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

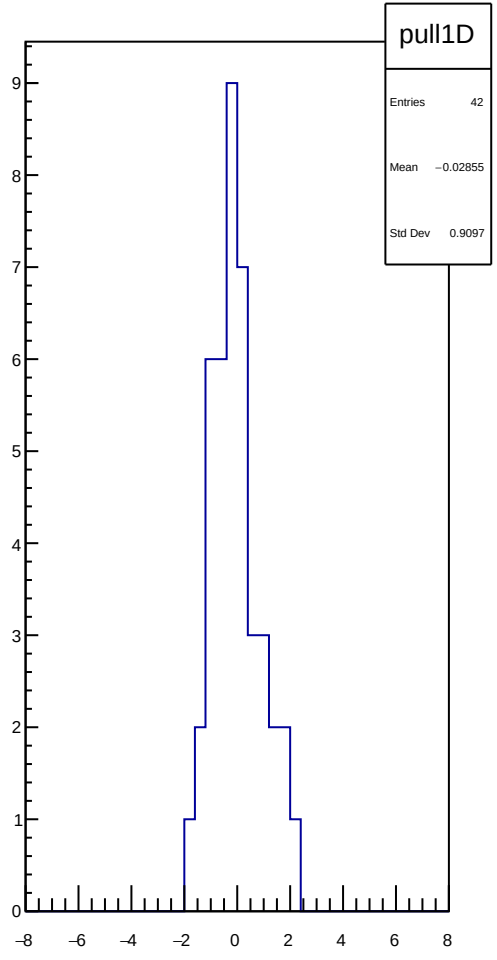

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 34.79 / 41
p0 −512.7 ± 1395
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −20.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02855
Std Dev 0.9097
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

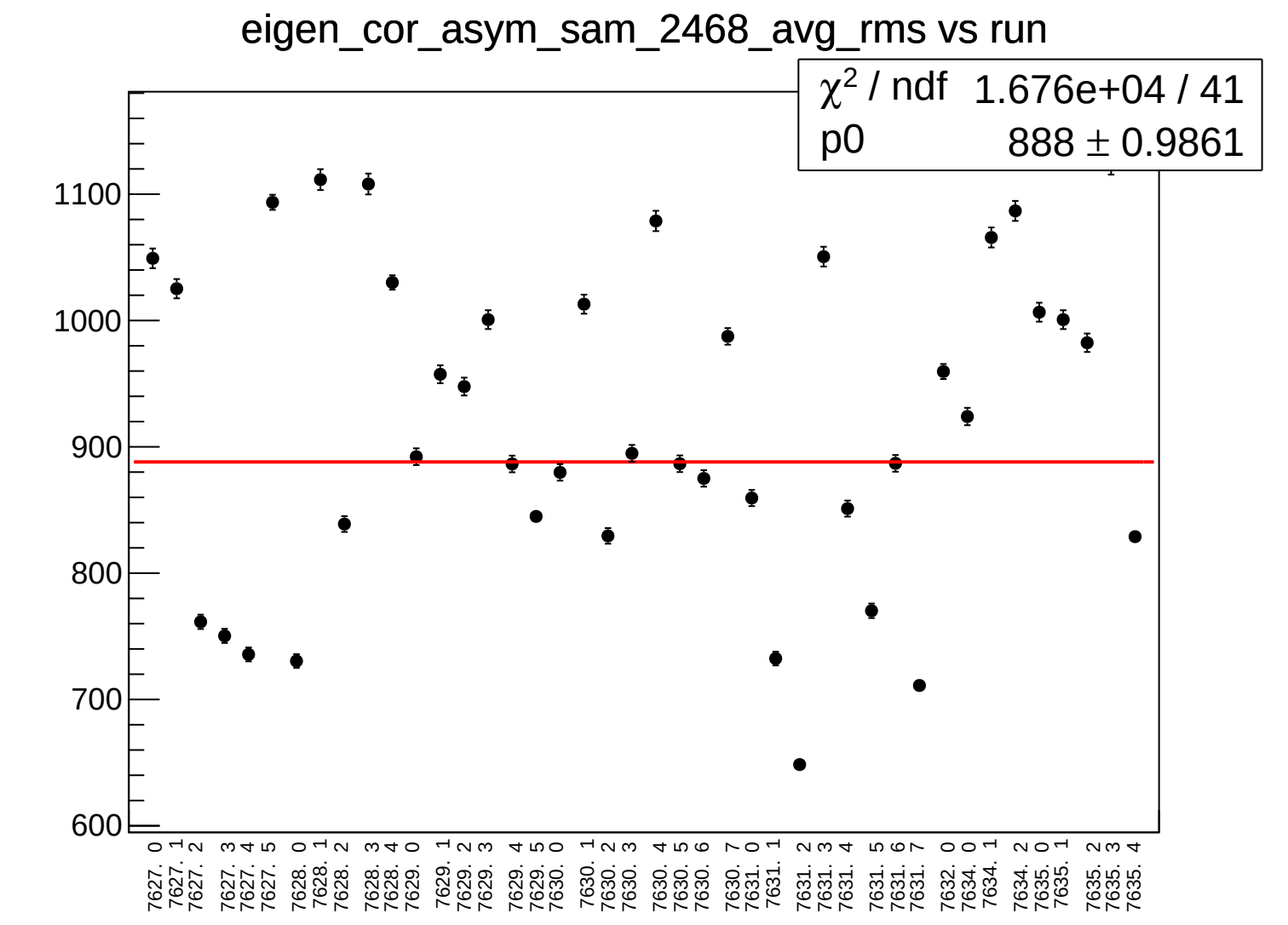

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.676e+04 / 41
p0 888 ± 0.9861
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

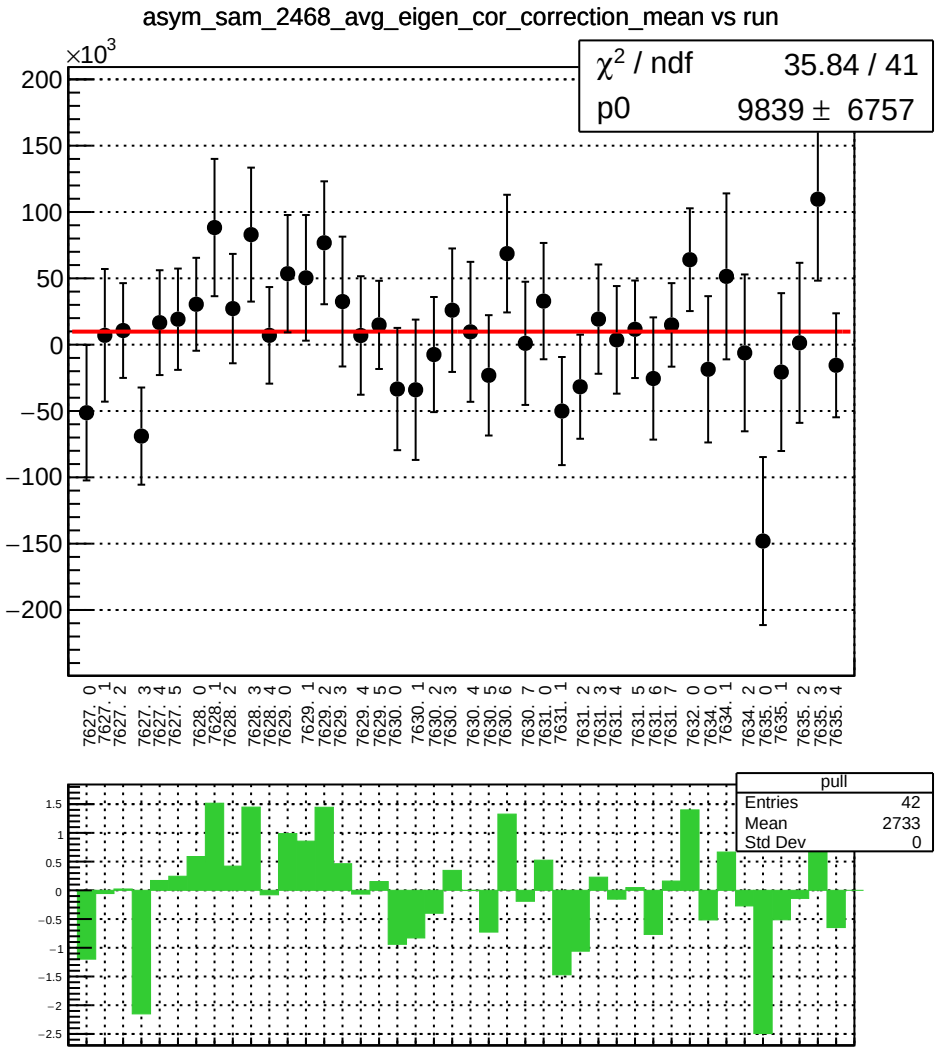

asym_sam_2468_avg_cor_correction_mean vs run
×10^3
χ² / ndf 35.84 / 41
p0 9839 ± 6757
pull
Entries 42
Mean 2733
Std Dev 0
pull1D
Entries 42
Mean −0.0004704
Std Dev 0.9237

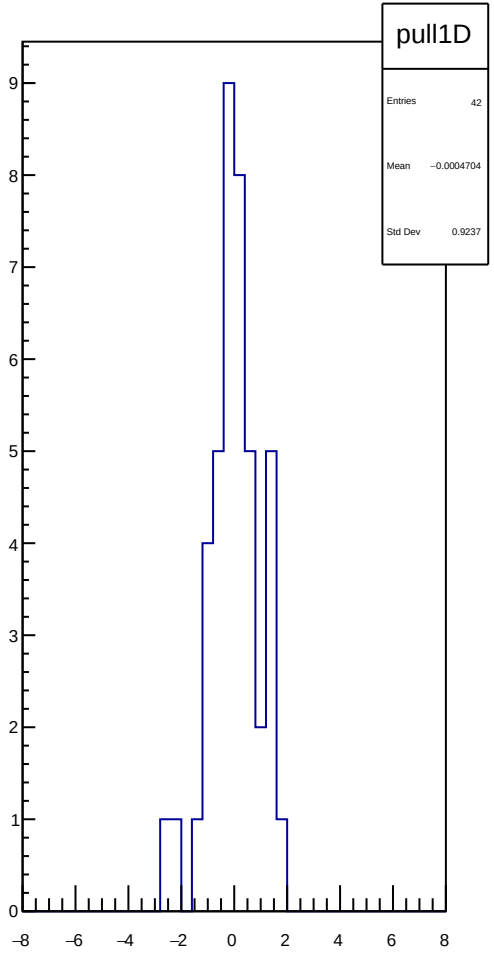

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 1.983e+04 / 41
p0 4295 ± 4.778
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

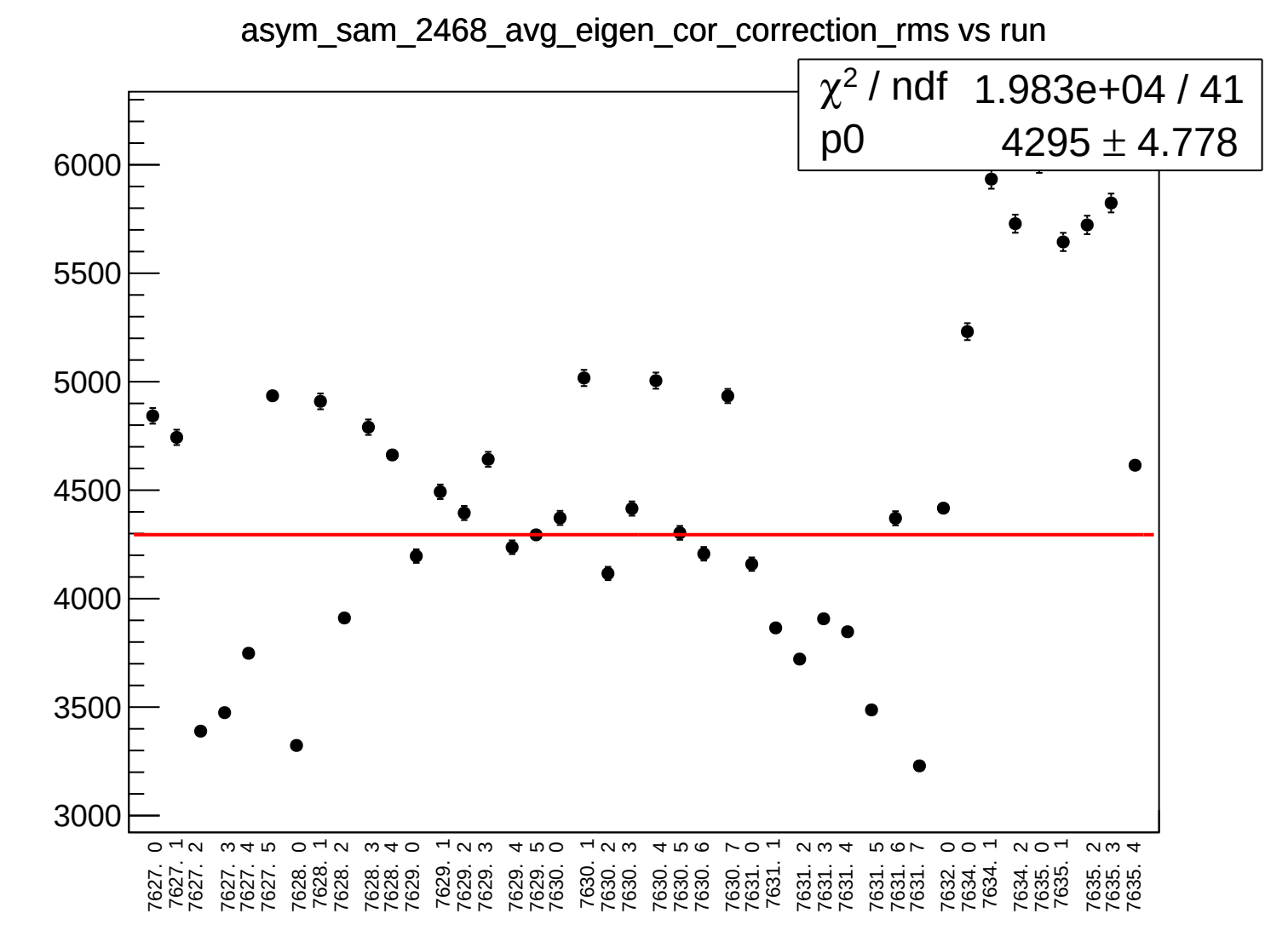

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 34.79 / 41
p0 −512.7 ± 1395
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −20.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

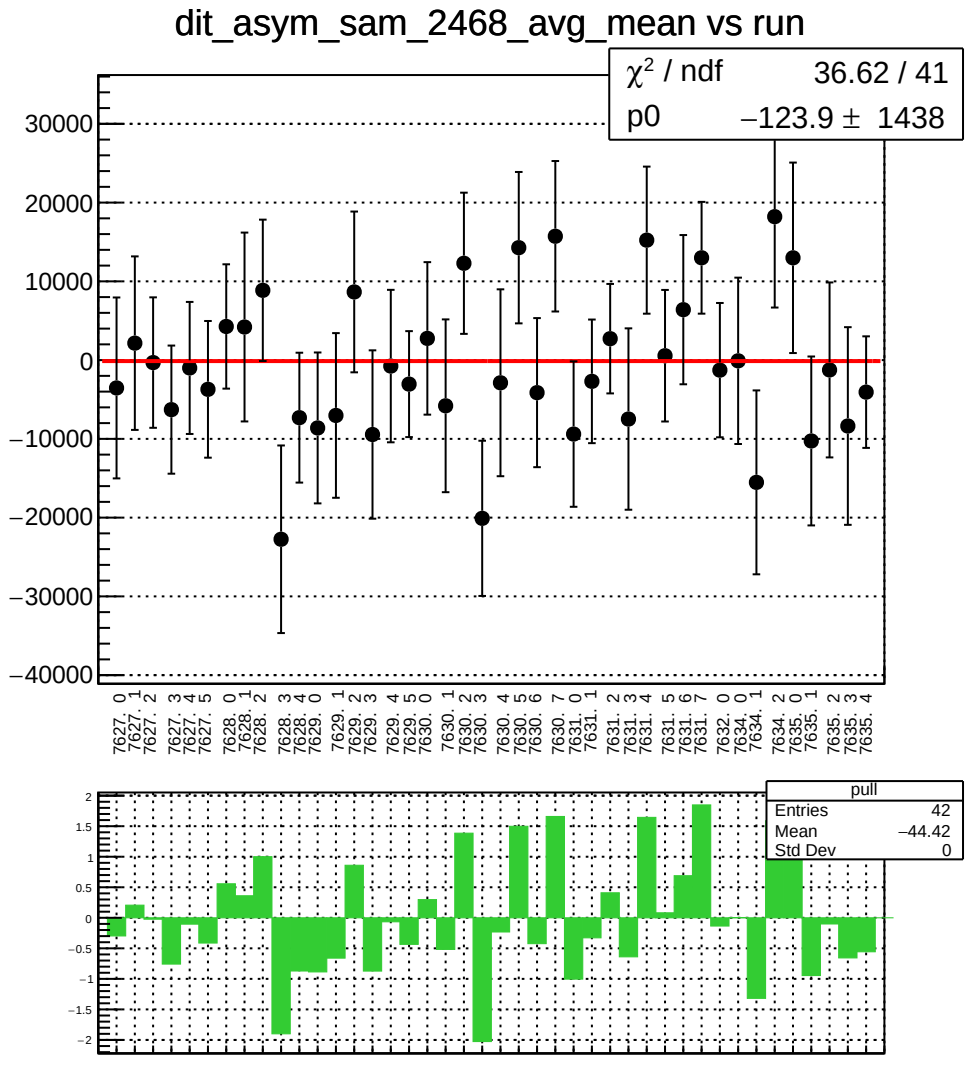

pull1D
Entries 42
Mean −0.02855
Std Dev 0.9097
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

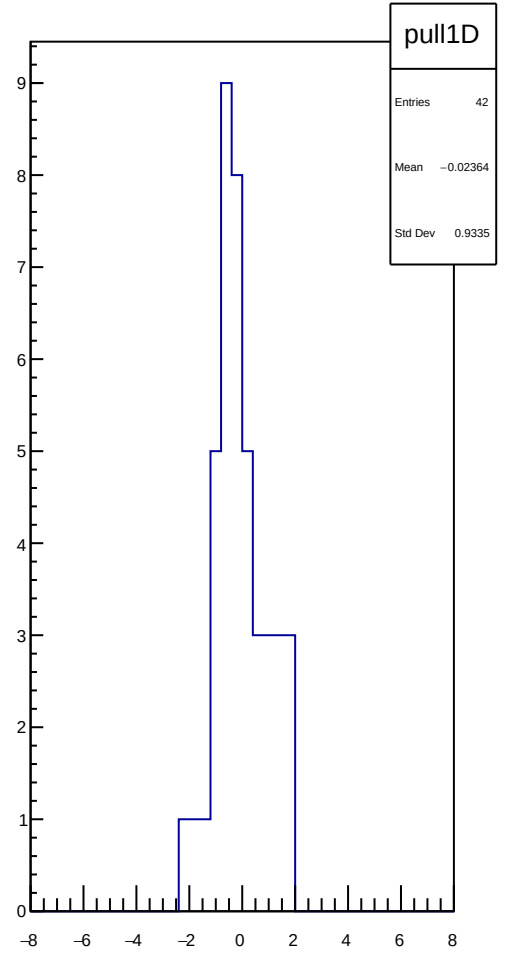

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.676e+04 / 41
p0 888 ± 0.9861
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

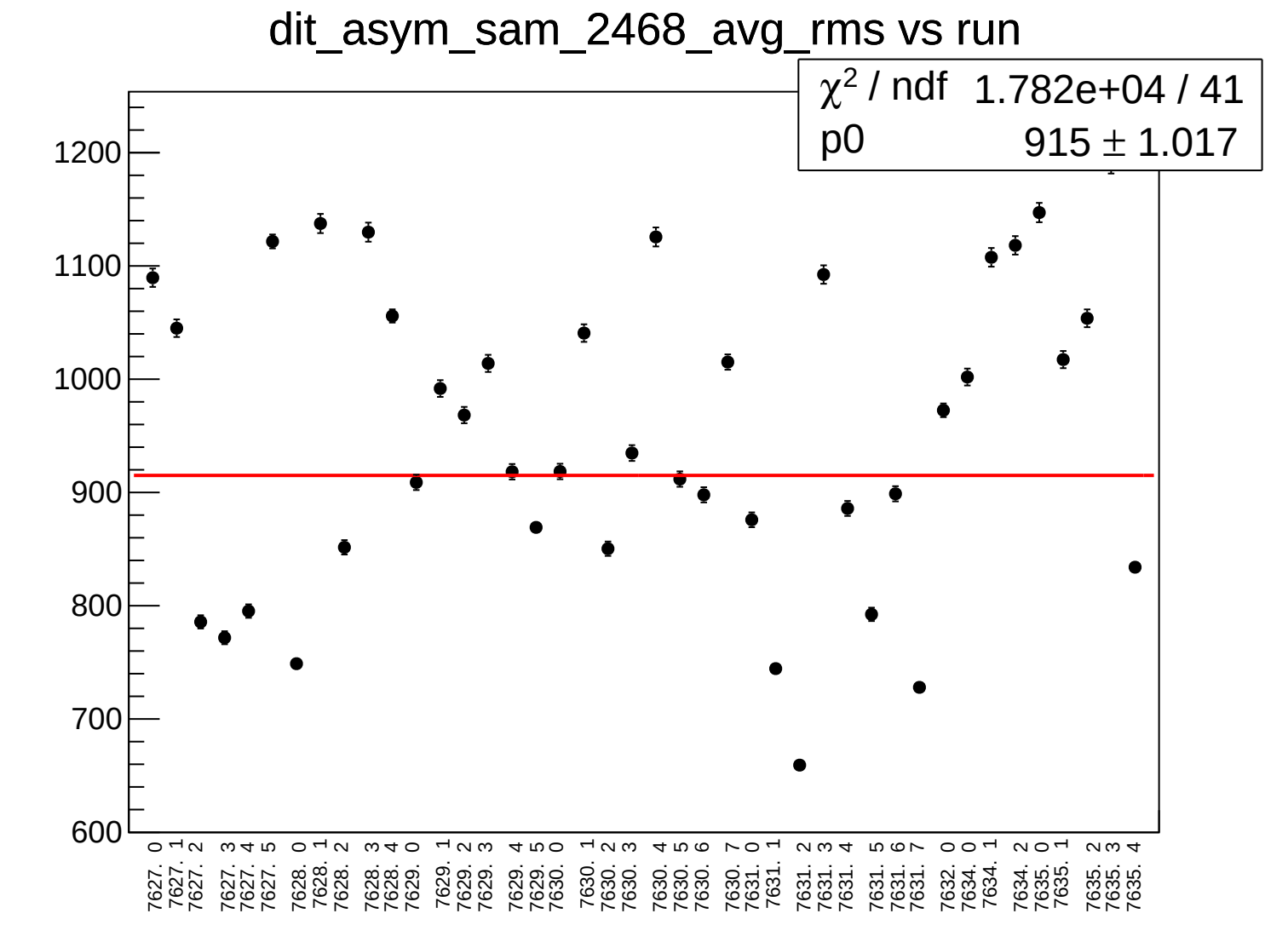

asym_sam_2468_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.84 / 41
p0 9839 ± 6757
pull
Entries 42
Mean 2733
Std Dev 0

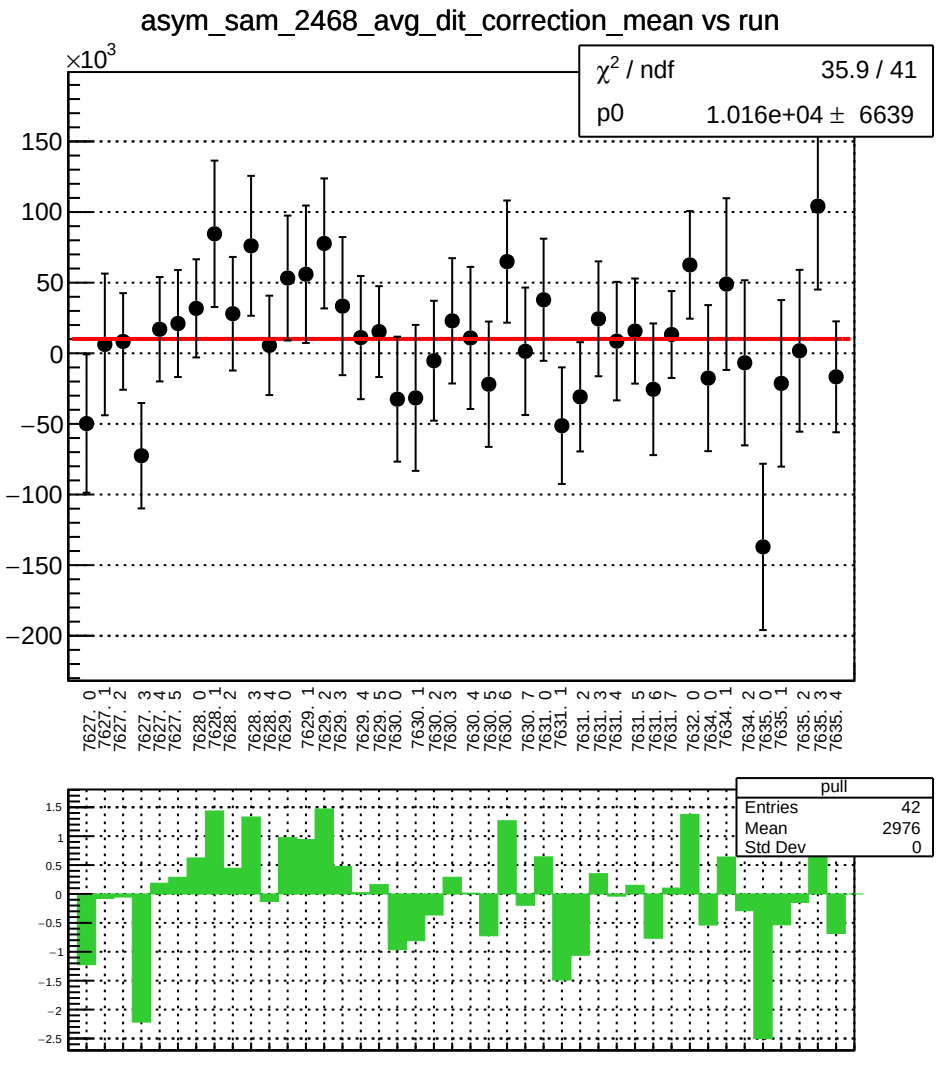

pull1D
Entries 42
Mean −0.0004704
Std Dev 0.9237

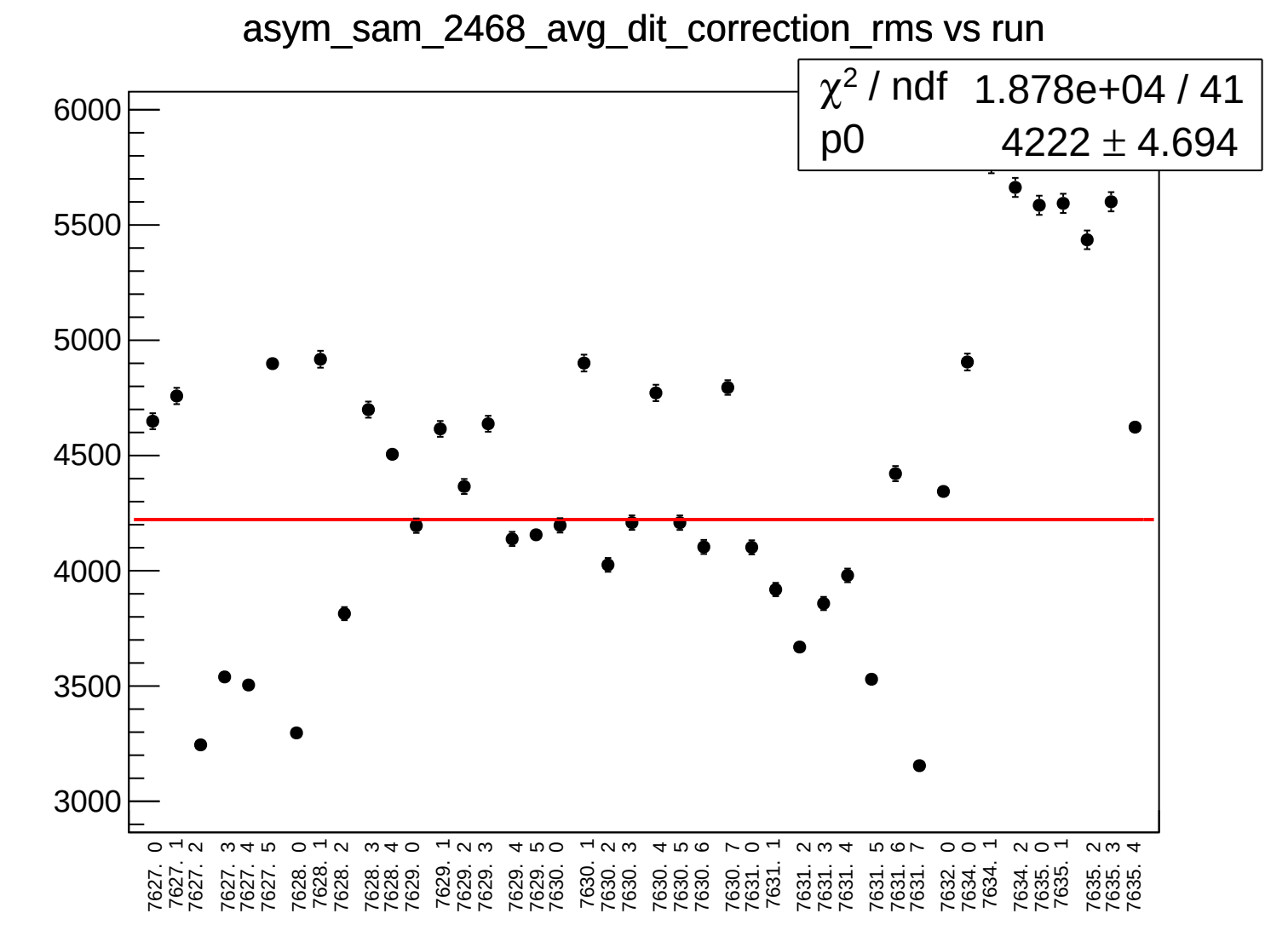

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.983e+04 / 41
p0 4295 ± 4.778
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

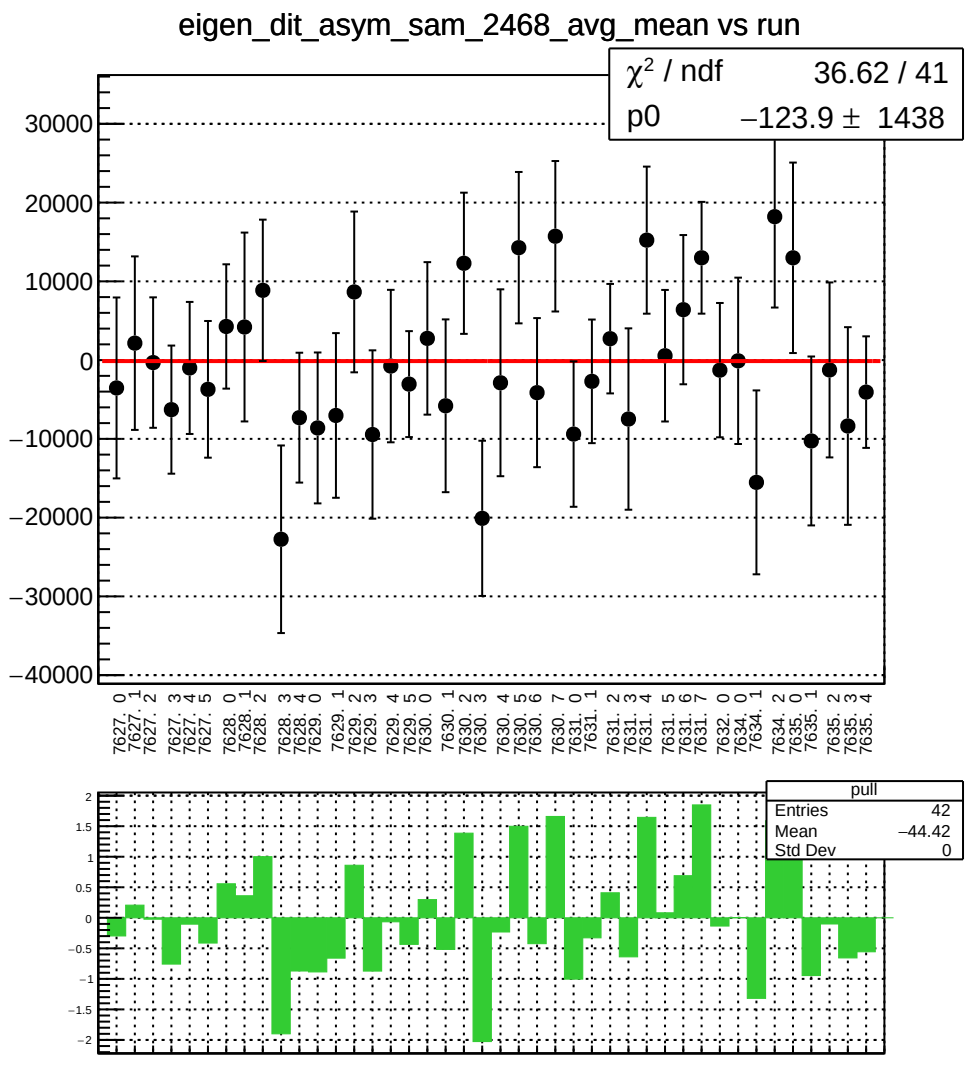

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 36.62 / 41
p0 −123.9 ± 1438
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −44.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

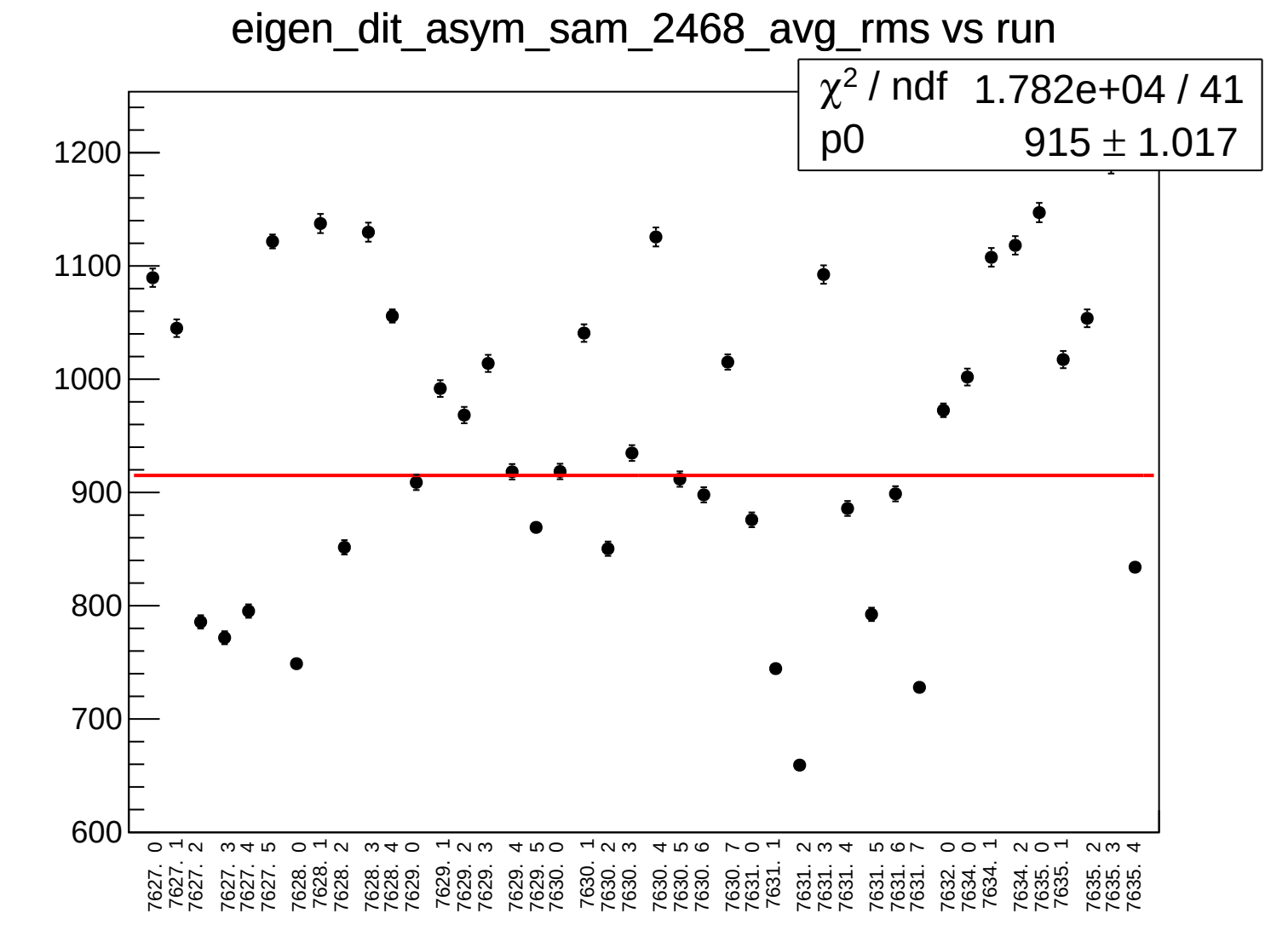

pull1D
Entries 42
Mean −0.02364
Std Dev 0.9335
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

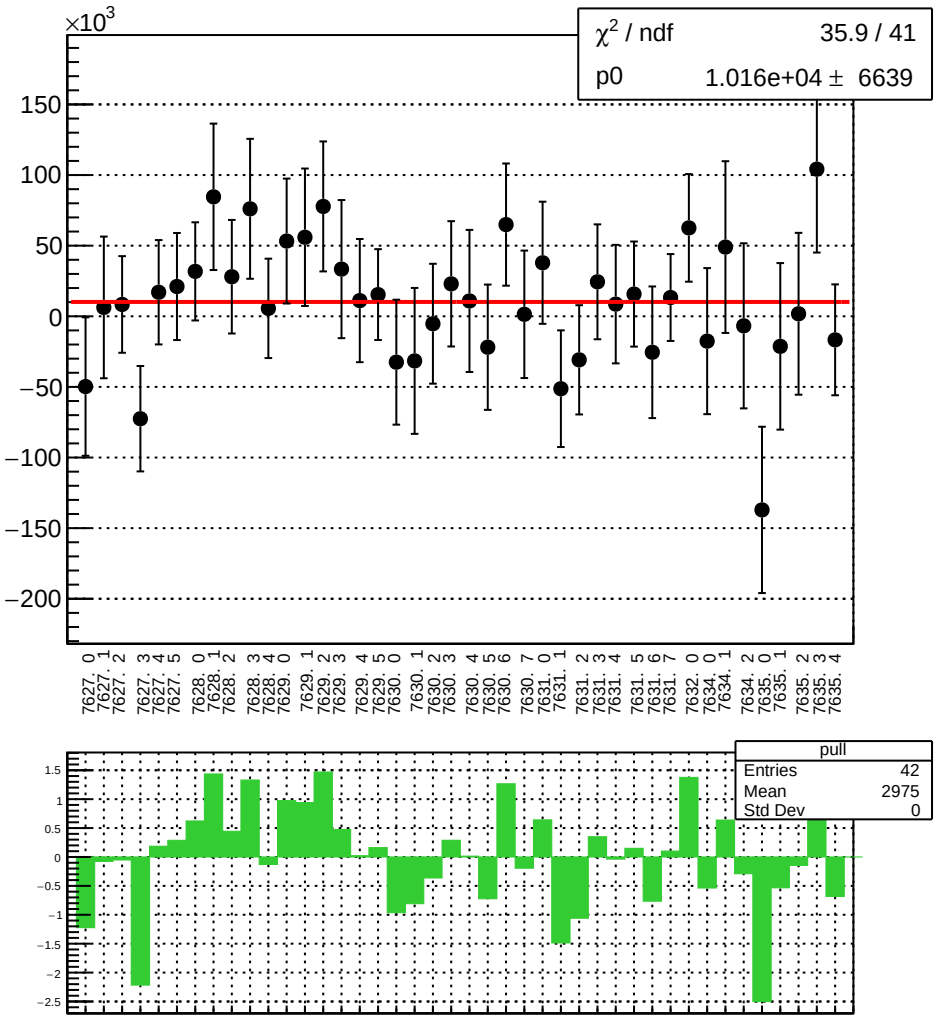

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.782e+04 / 41
p0 915 ± 1.017
1200
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

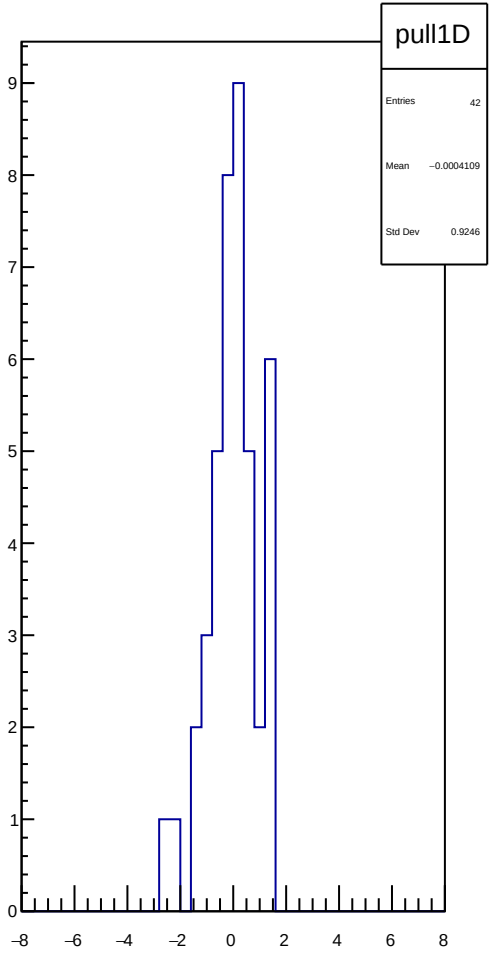

asym_sam_2468_avg_dit_correction_mean vs run
×10^3
χ² / ndf 35.9 / 41
p0 1.016e+04 ± 6639
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2976
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean −0.0004108
Std Dev 0.9246
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

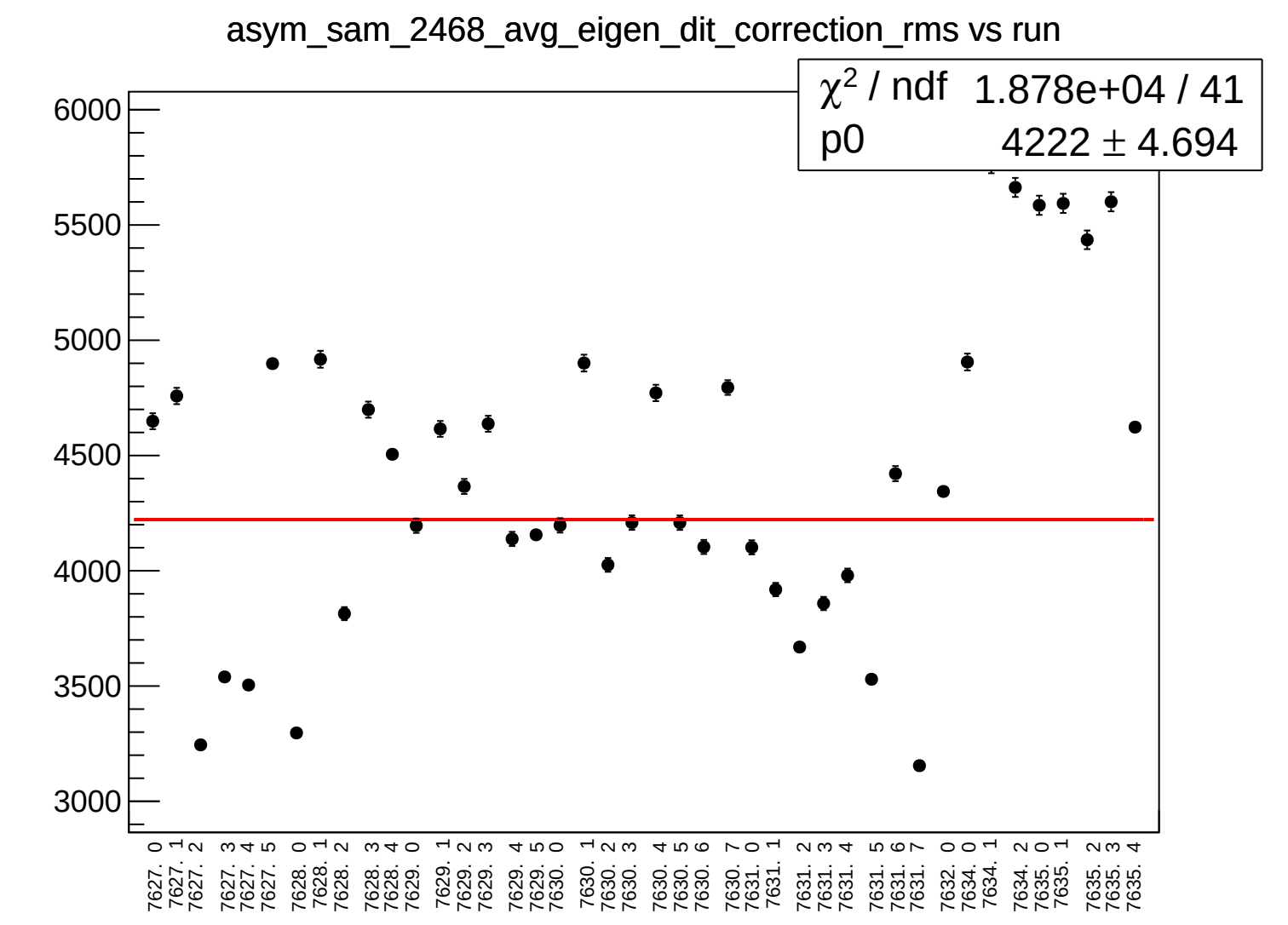

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 1.878e+04 / 41
p0 4222 ± 4.694
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

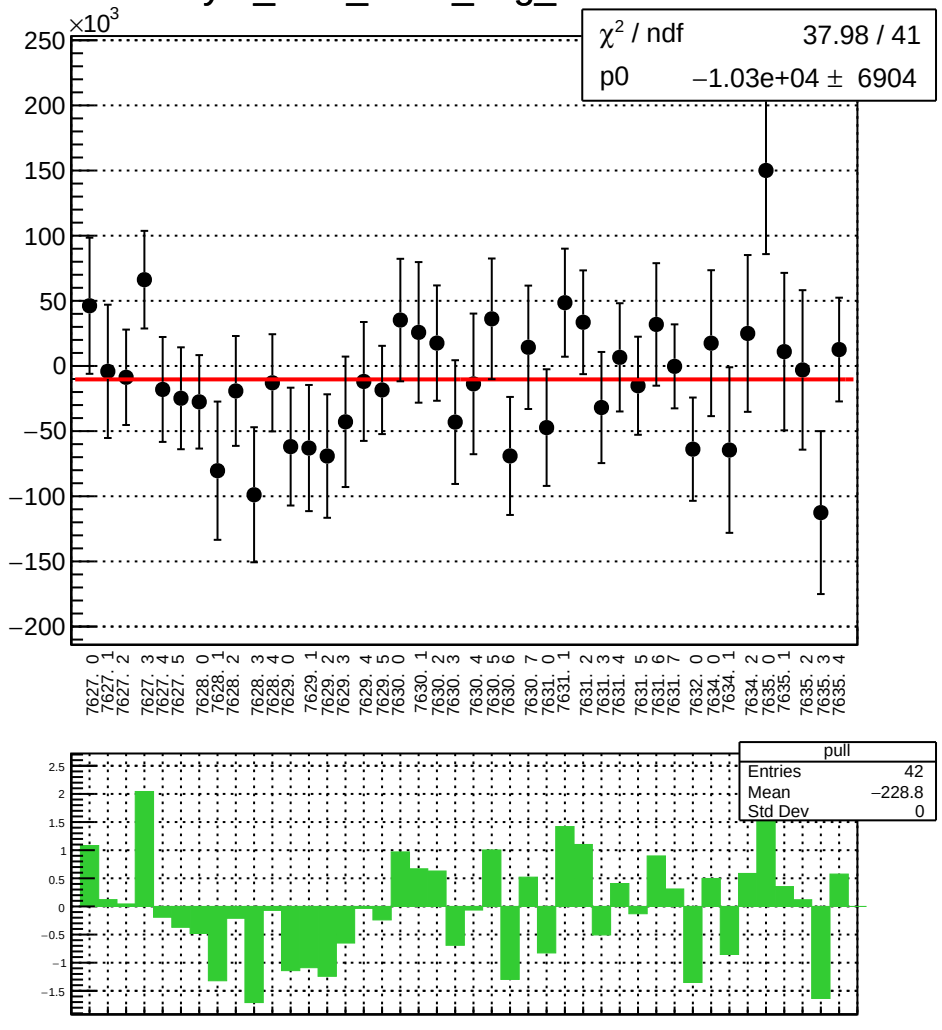

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 36.62 / 41
p0 −123.9 ± 1438
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −44.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02364
Std Dev 0.9335
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

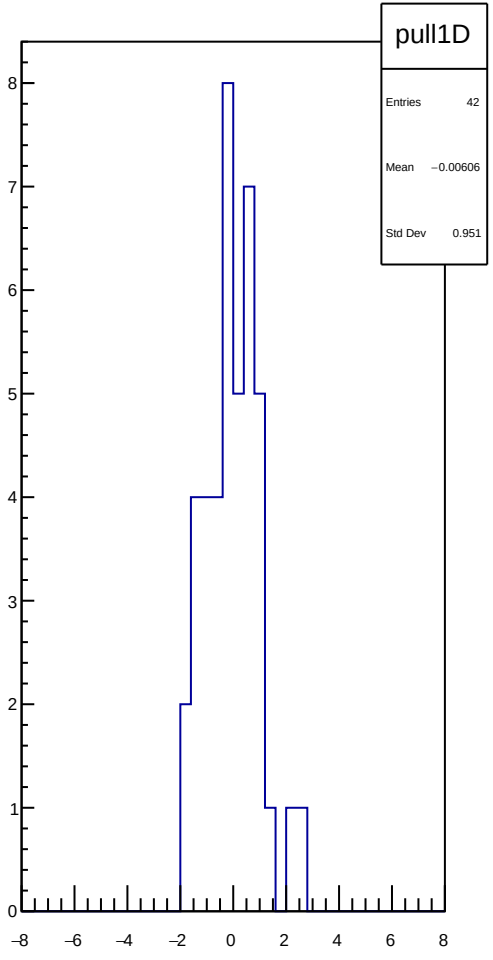

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.782e+04 / 41
p0 915 ± 1.017
1200
1100
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

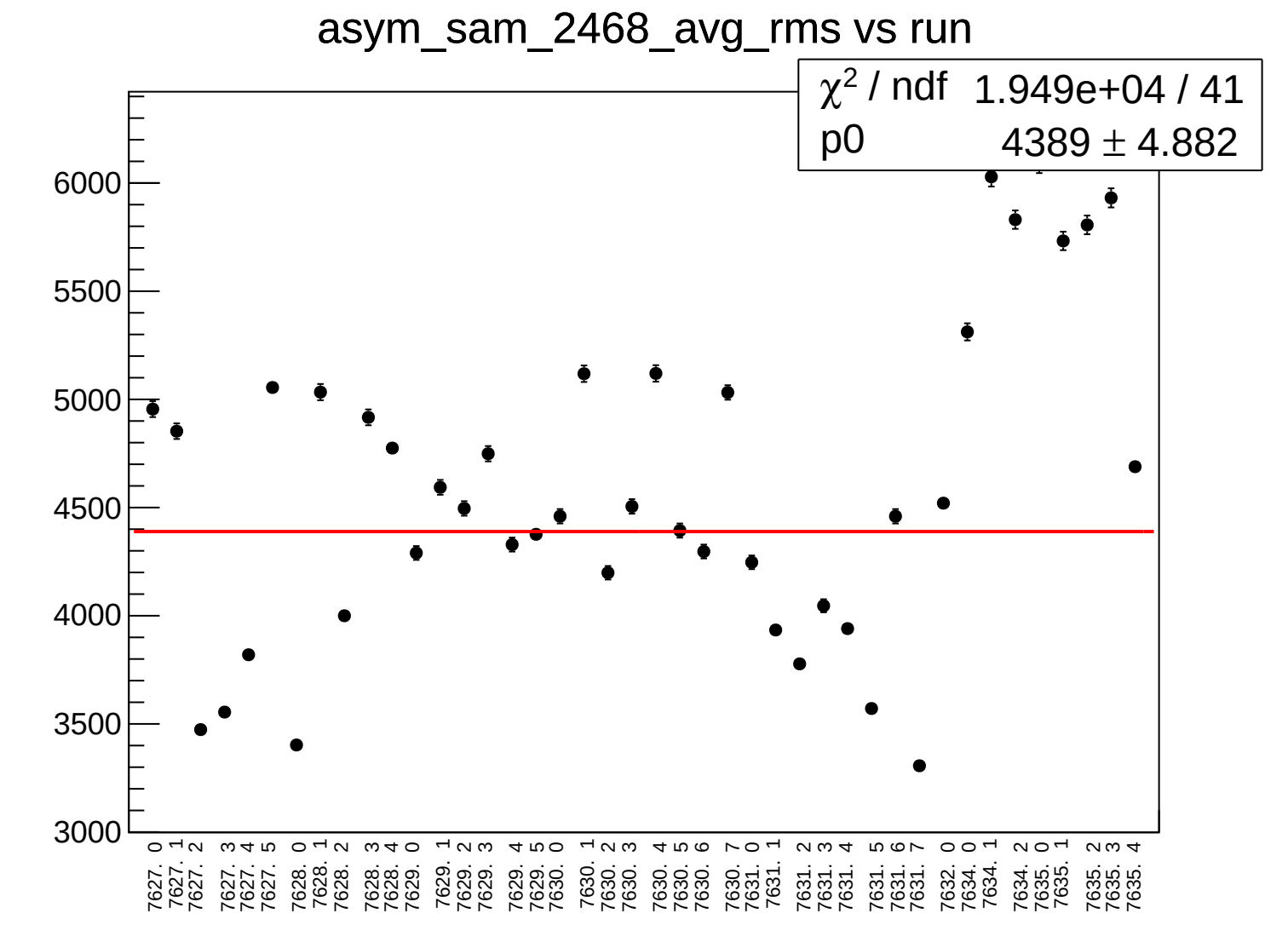

asym_sam_2468_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.9 / 41
p0 1.016e+04 ± 6639
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2975
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

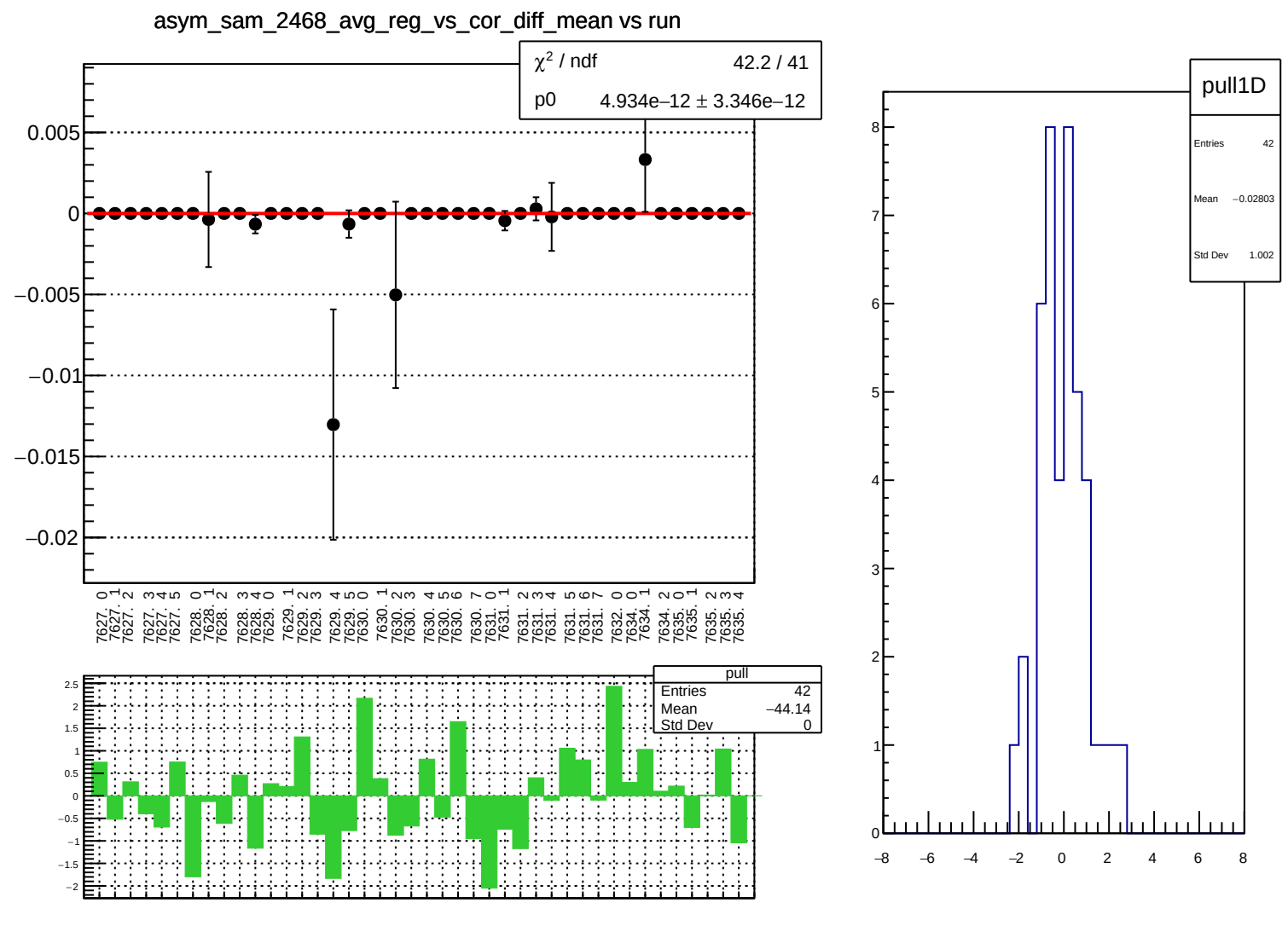

pull1D
Entries 42
Mean −0.0004109
Std Dev 0.9246
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

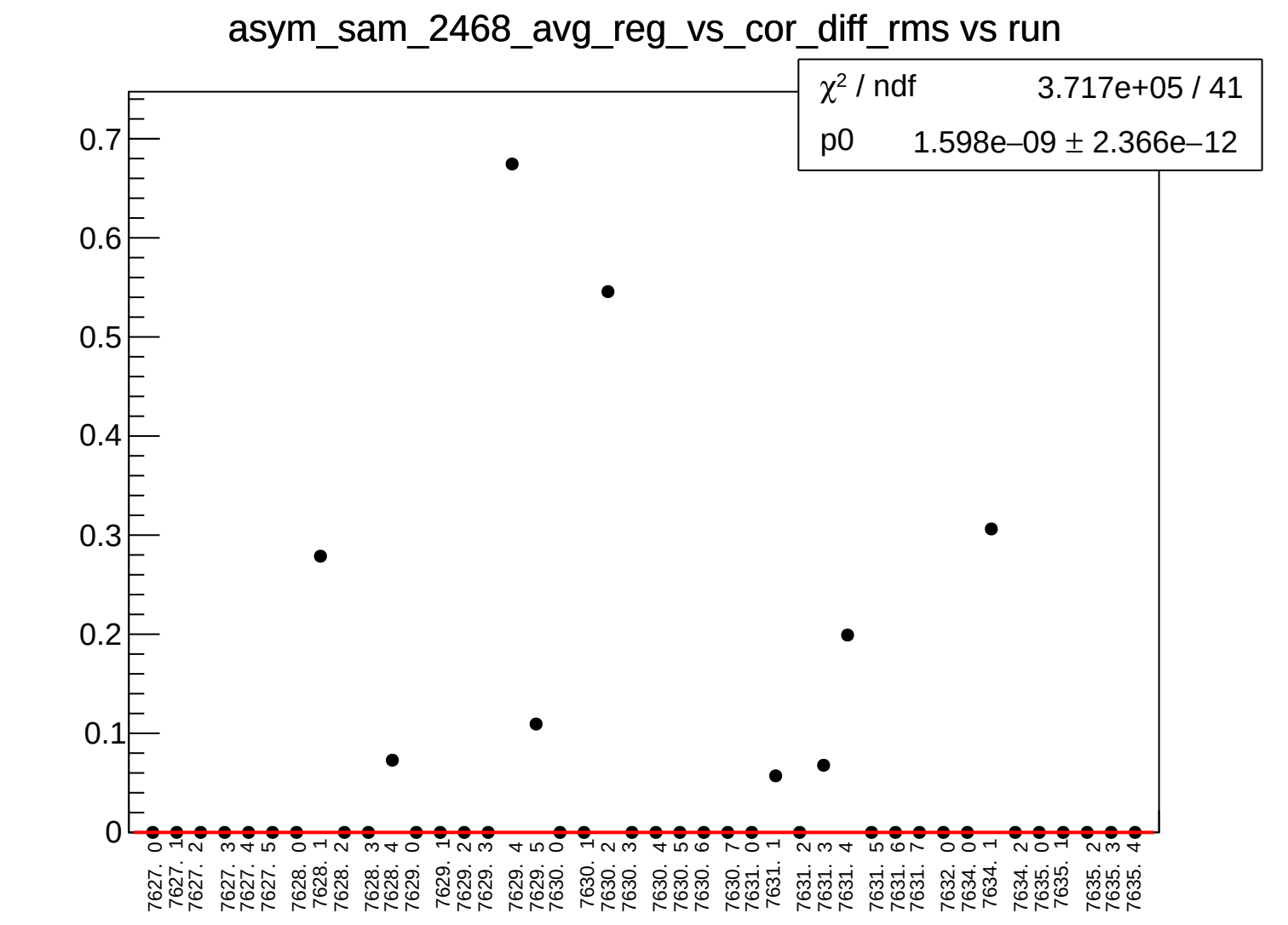

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.878e+04 / 41
p0 4222 ± 4.694
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

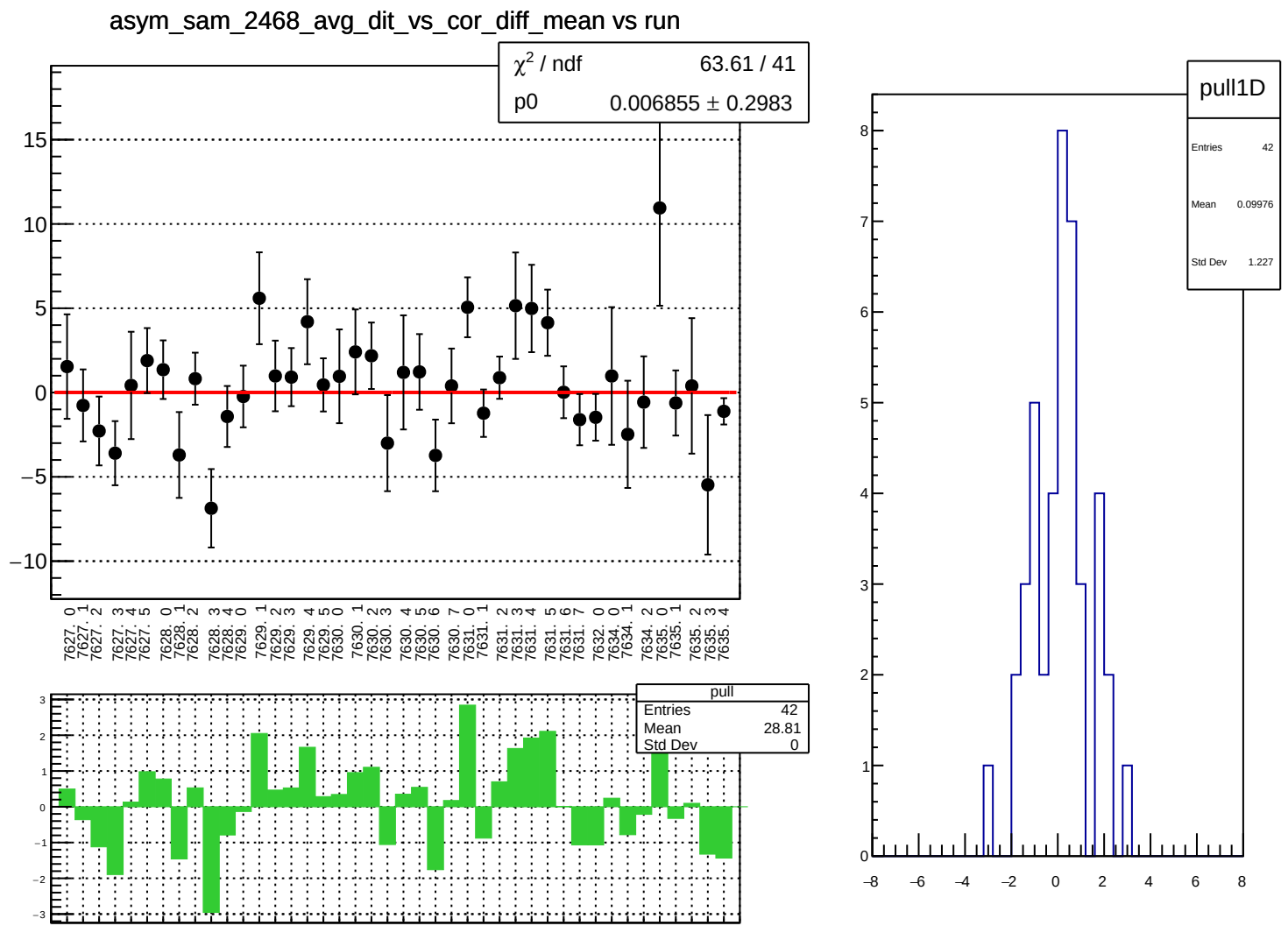

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 37.98 / 41
p0 −1.03e+04 ± 6904
pull
Entries 42
Mean −228.8
Std Dev 0

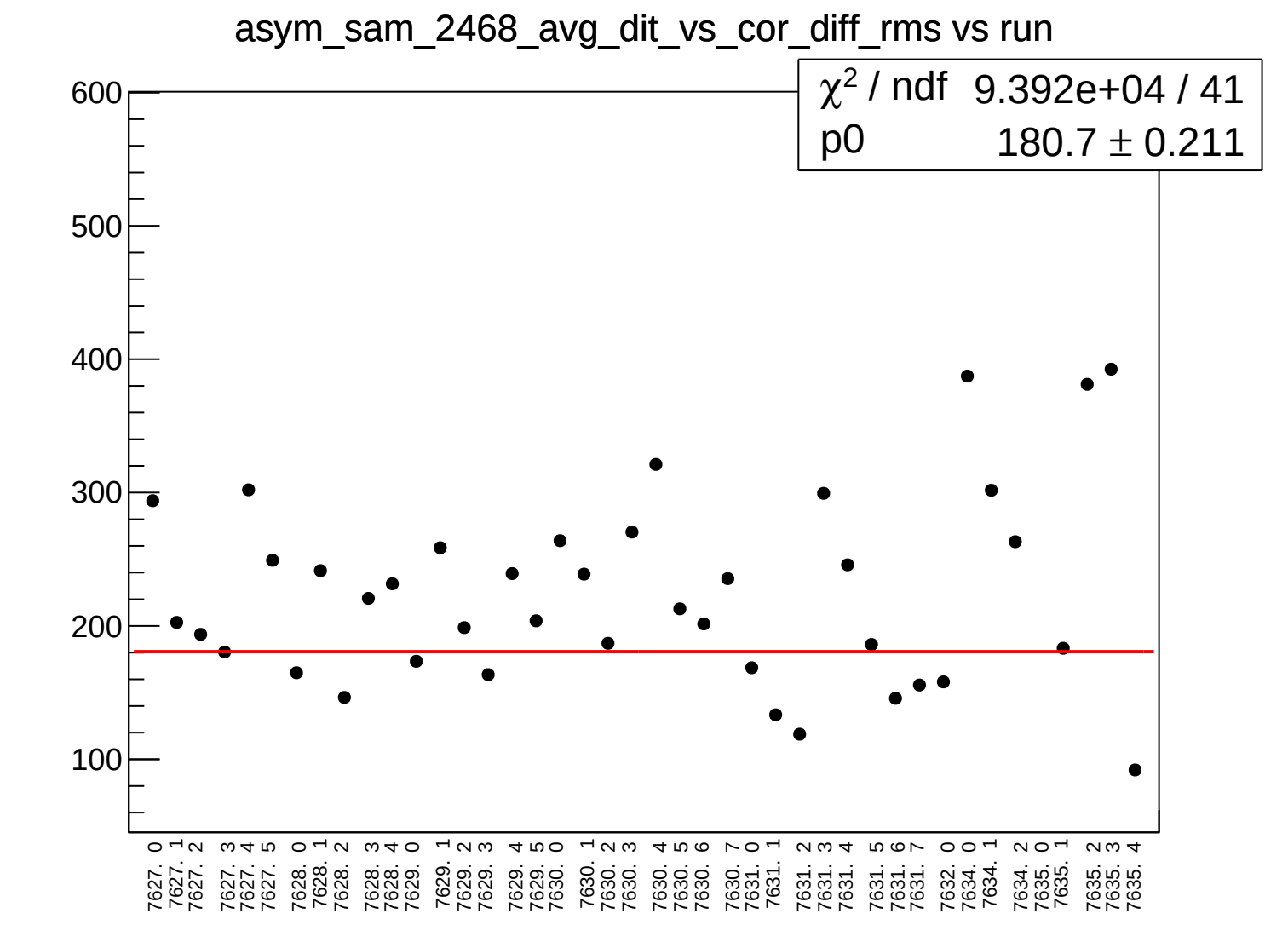

pull1D
Entries 42
Mean −0.00606
Std Dev 0.951

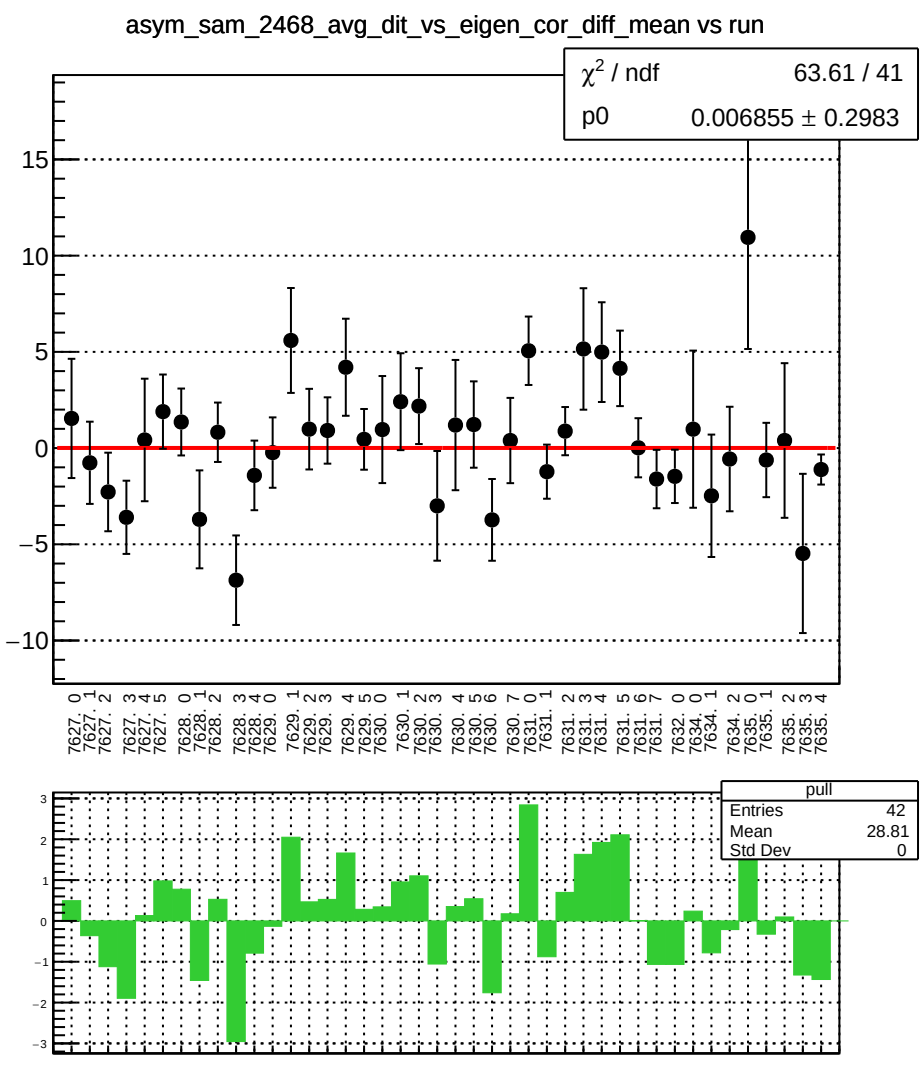

asym_sam_2468_avg_rms vs run
χ² / ndf 1.949e+04 / 41
p0 4389 ± 4.882
6000
5500
5000
4500
4000
3500
3000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

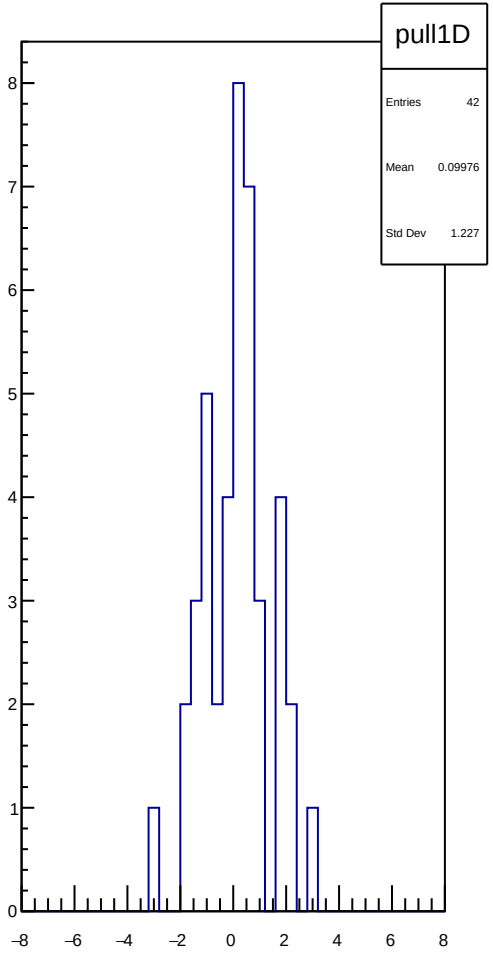

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.2 / 41
p0 4.934e−12 ± 3.346e−12
0.005
0
−0.005
−0.01
−0.015
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −44.14
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02803
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

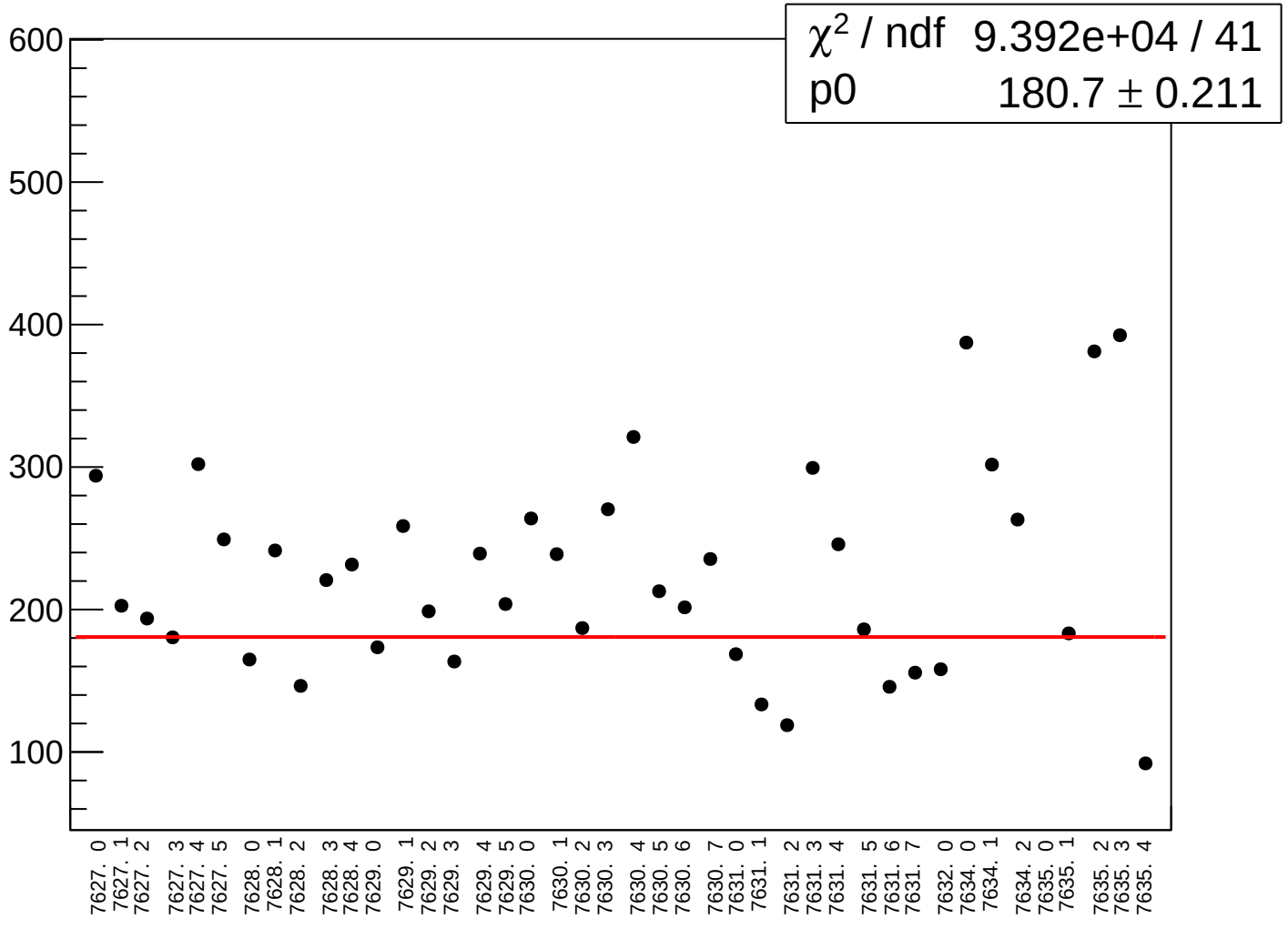

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.717e+05 / 41
p0 1.598e−09 ± 2.366e−12
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

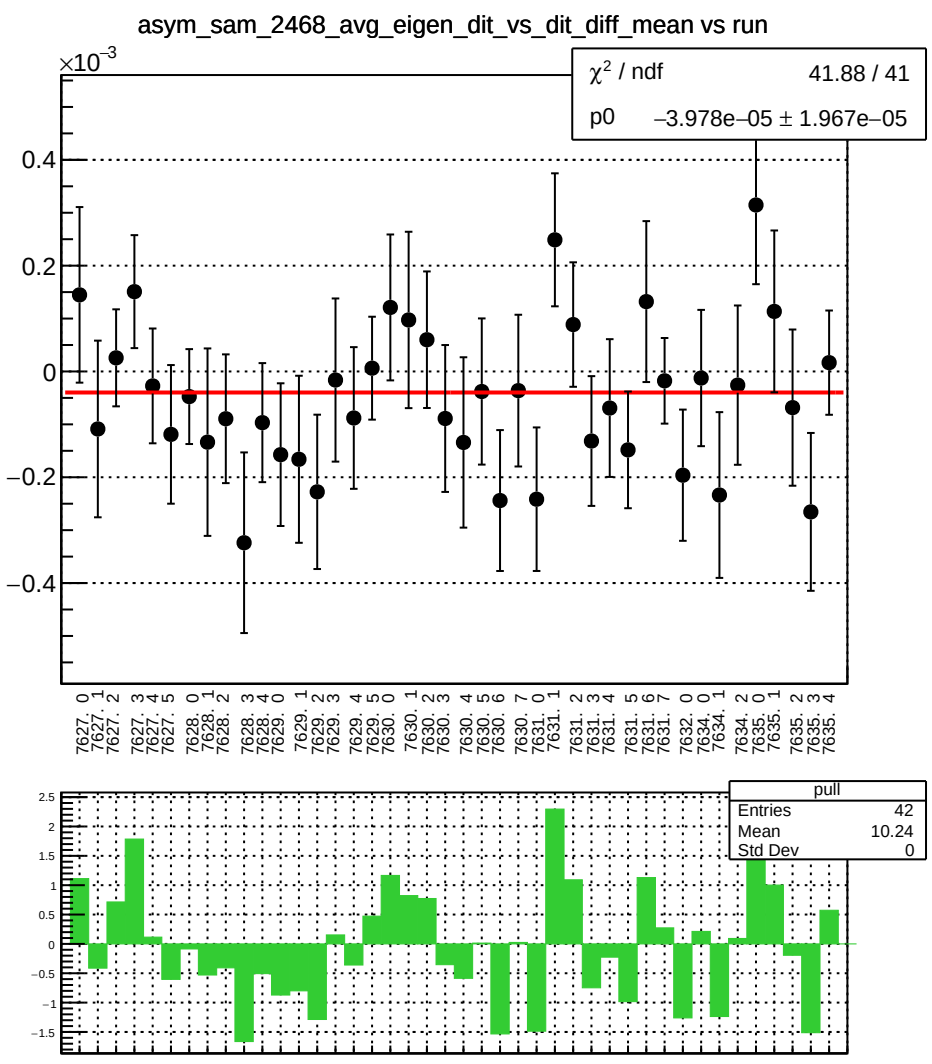

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.61 / 41
p0 0.006855 ± 0.2983
pull
Entries 42
Mean 28.81
Std Dev 0
pull1D
Entries 42
Mean 0.09976
Std Dev 1.227

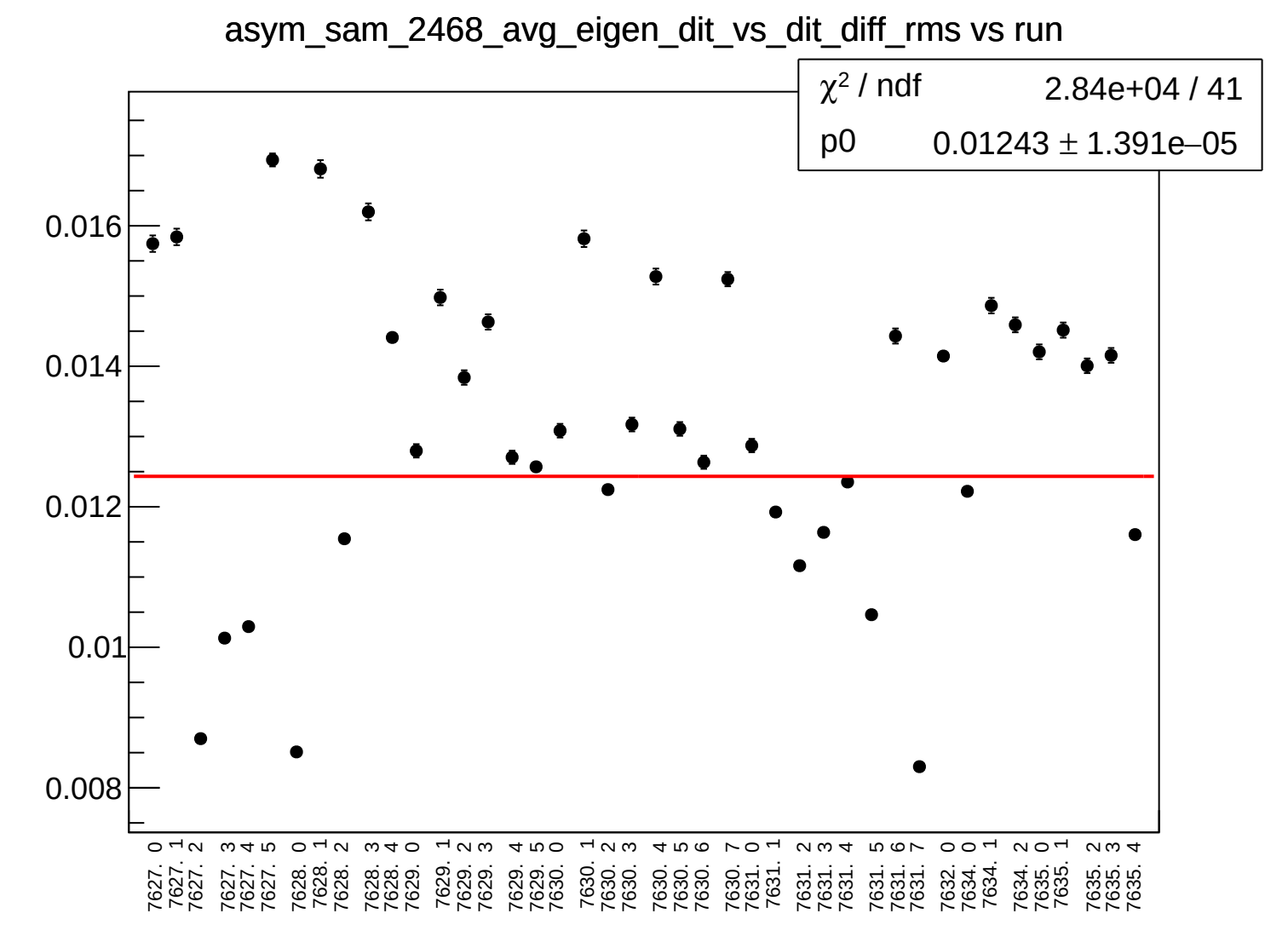

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.392e+04 / 41
p0 180.7 ± 0.211
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

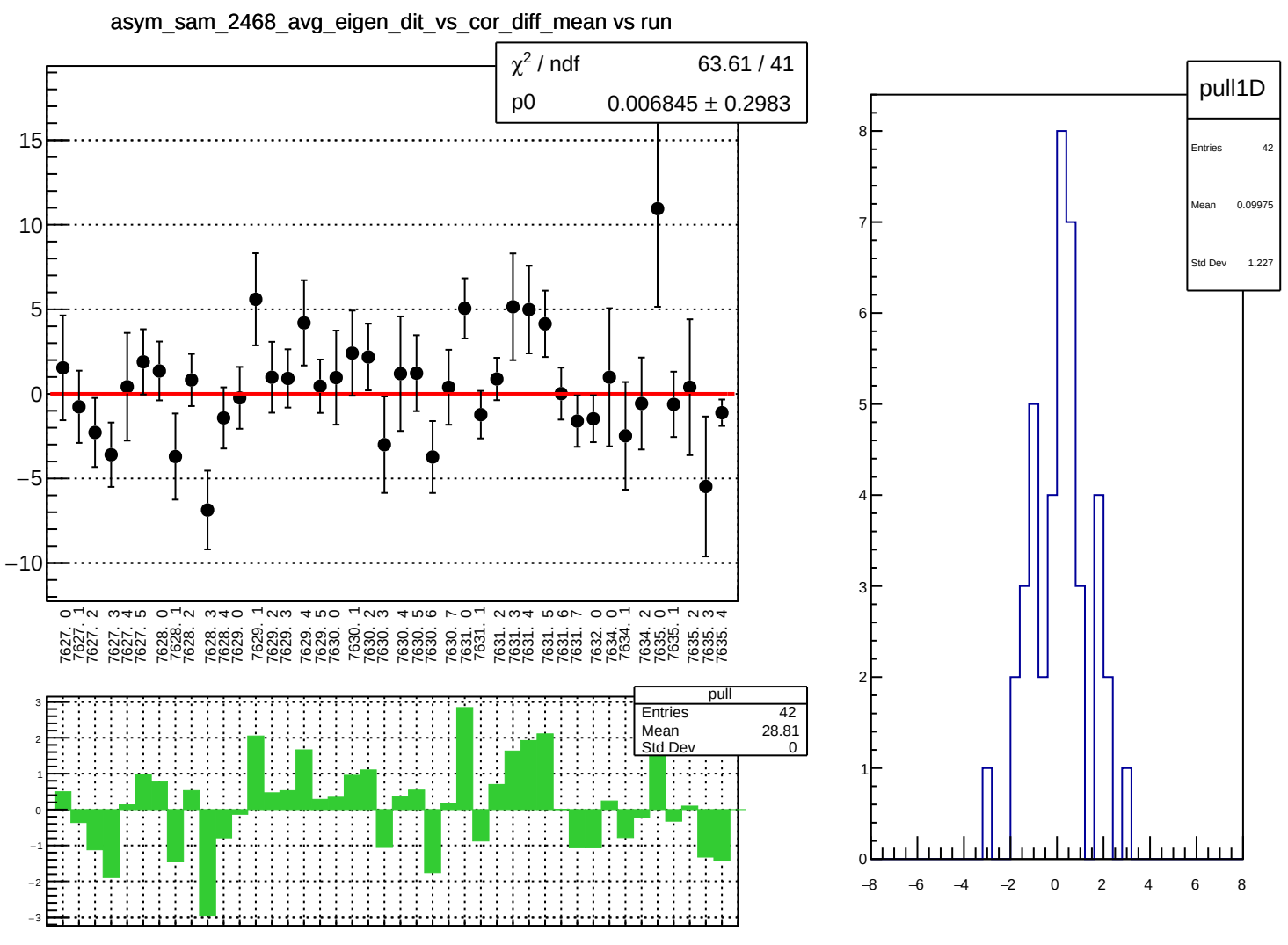

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.61 / 41
p0 0.006855 ± 0.2983
pull
Entries 42
Mean 28.81
Std Dev 0

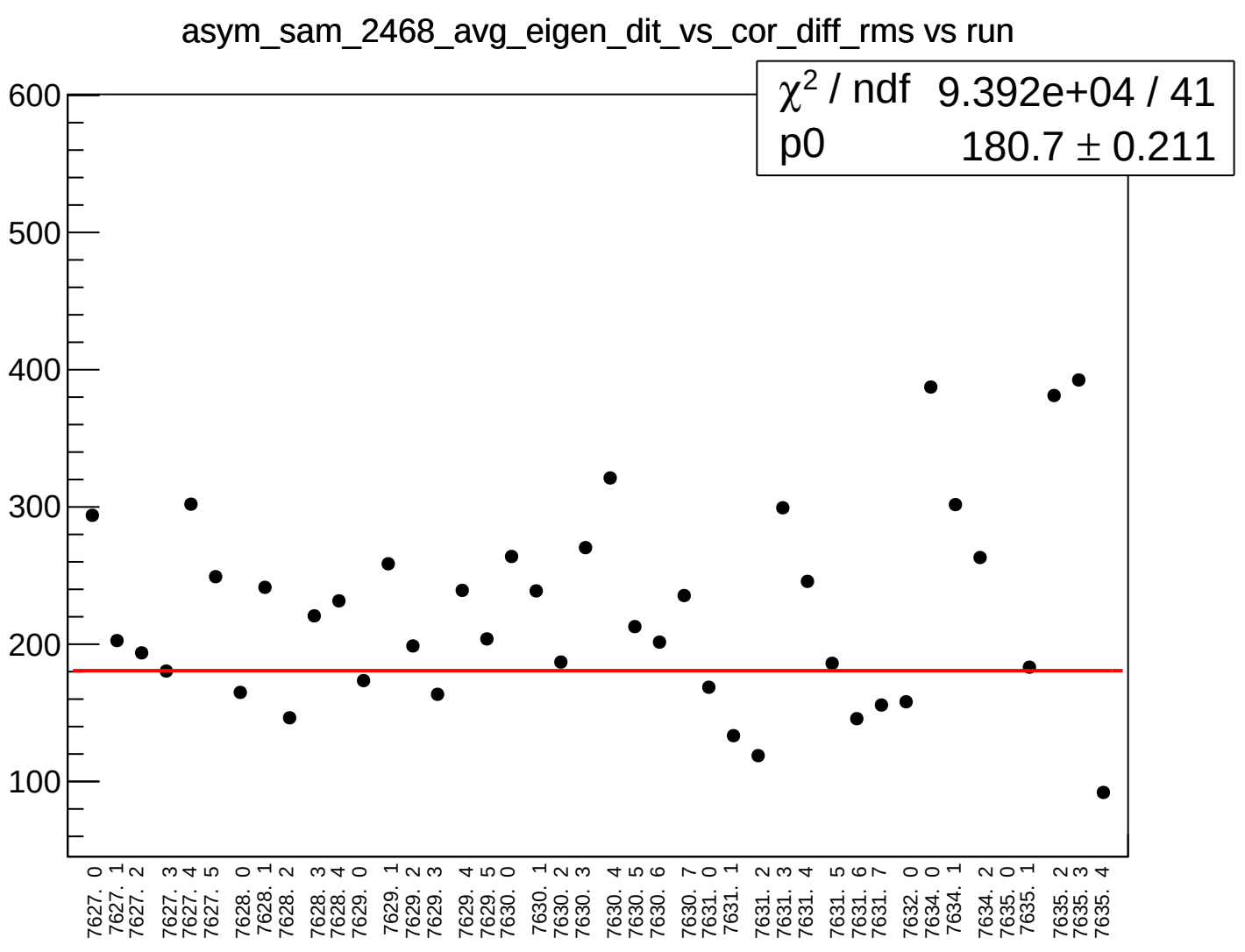

pull1D
Entries 42
Mean 0.09976
Std Dev 1.227

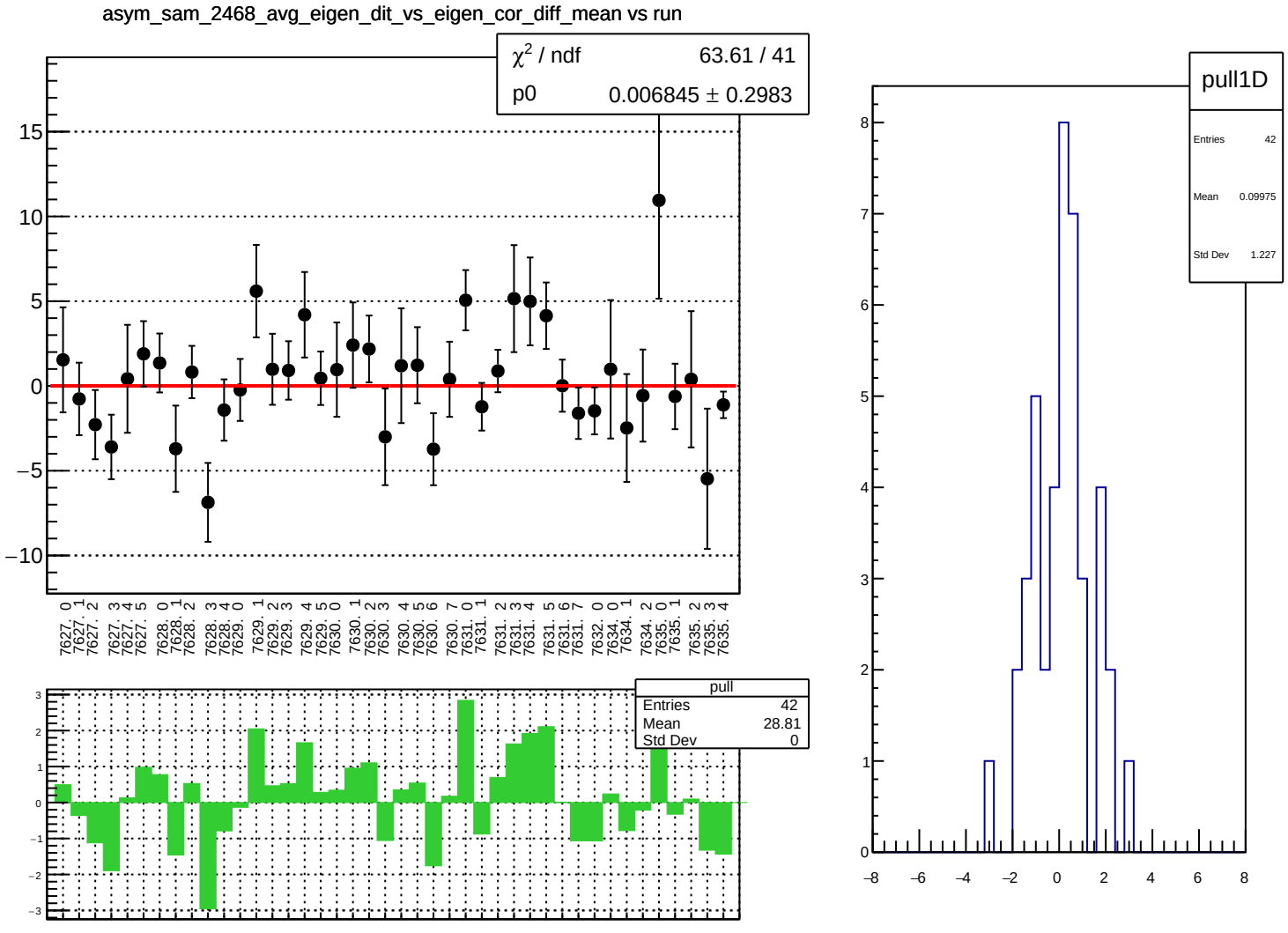

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.392e+04 / 41
p0 180.7 ± 0.211
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

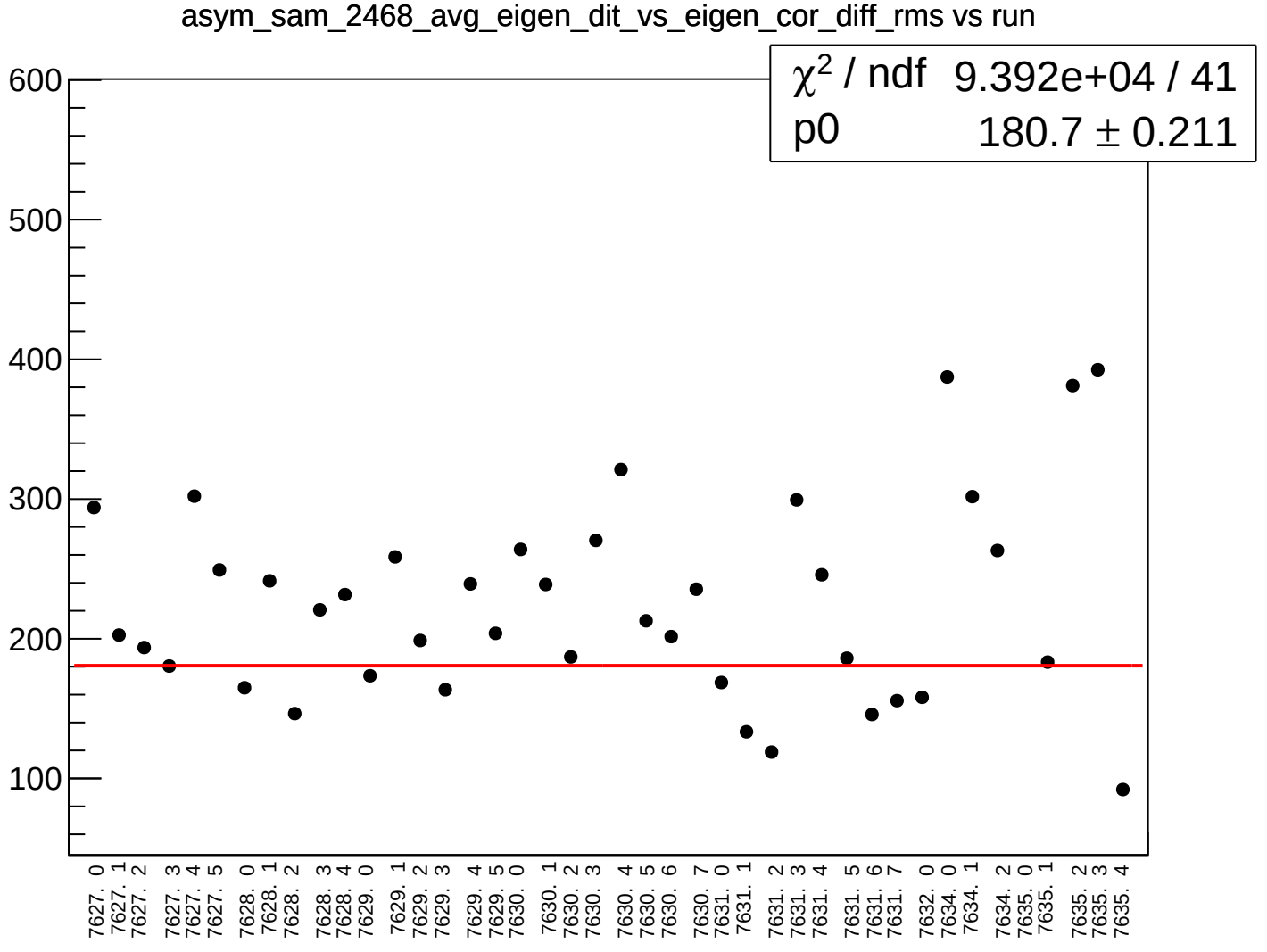

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.88 / 41
p0 −3.978e−05 ± 1.967e−05
0.4
0.2
0
−0.2
−0.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 10.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03468
Std Dev 0.998
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

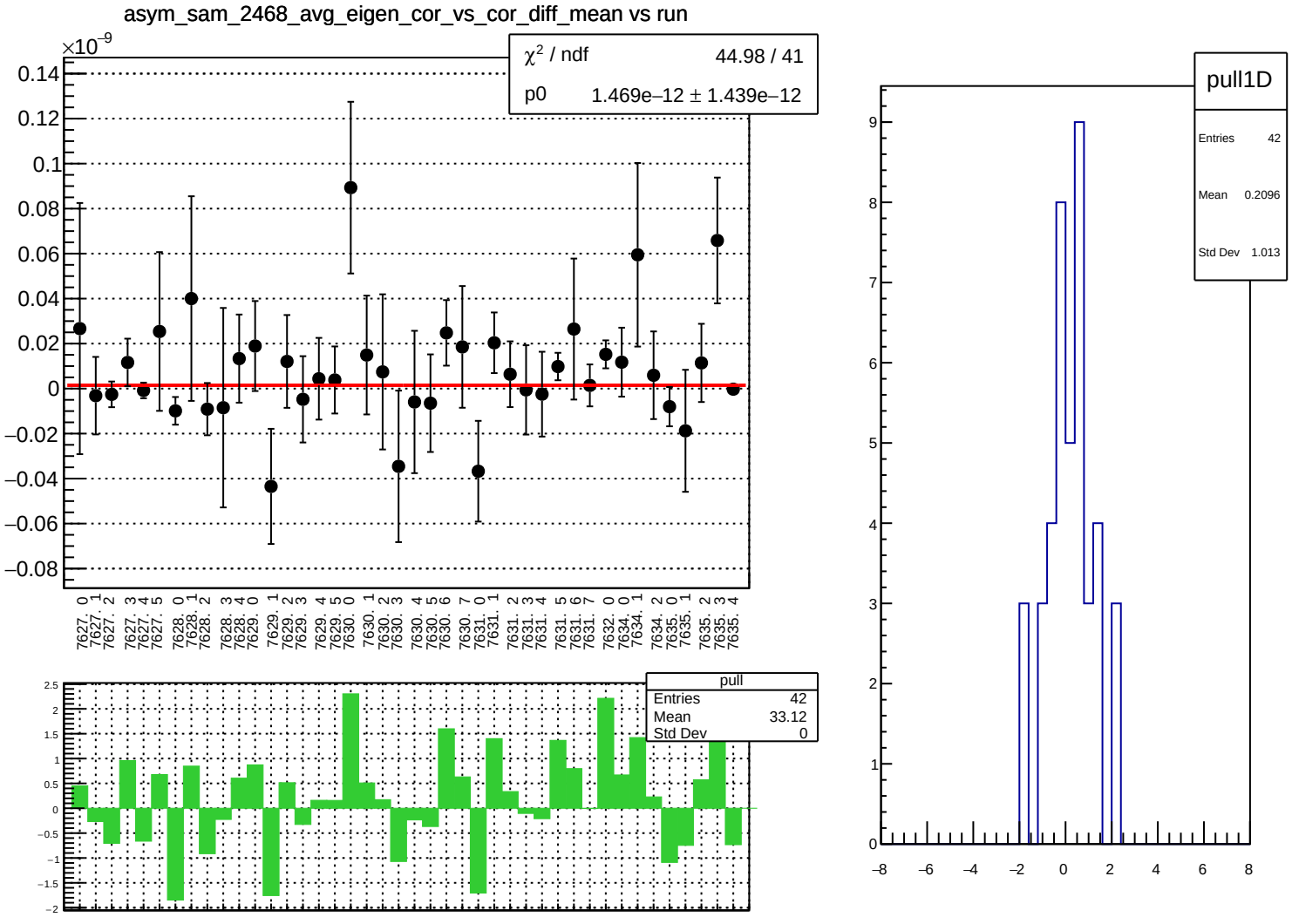

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.84e+04 / 41
p0 0.01243 ± 1.391e–05
0.016
0.014
0.012
0.01
0.008
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

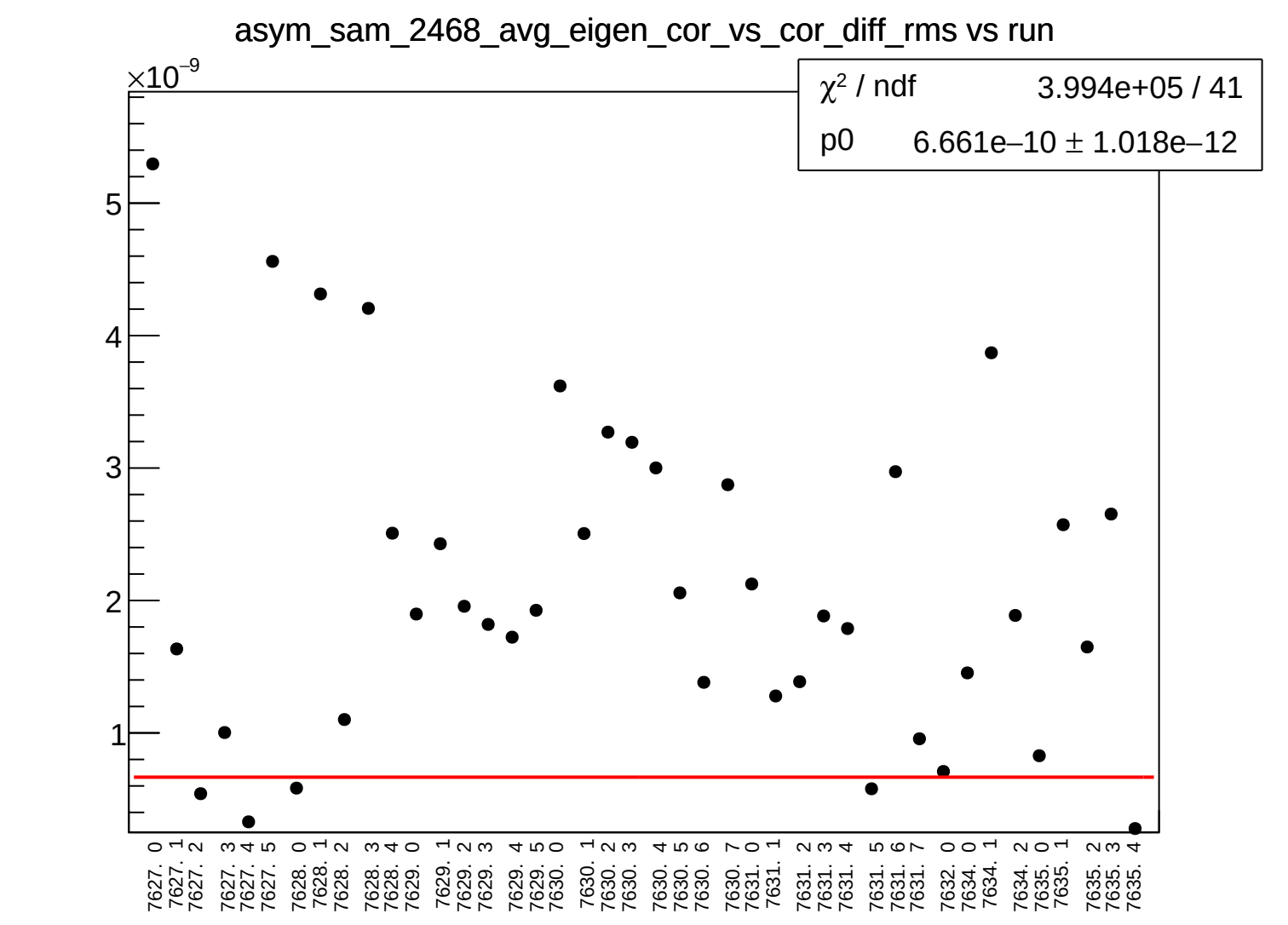

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.61 / 41
p0 0.006845 ± 0.2983
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 28.81
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.09975
Std Dev 1.227
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

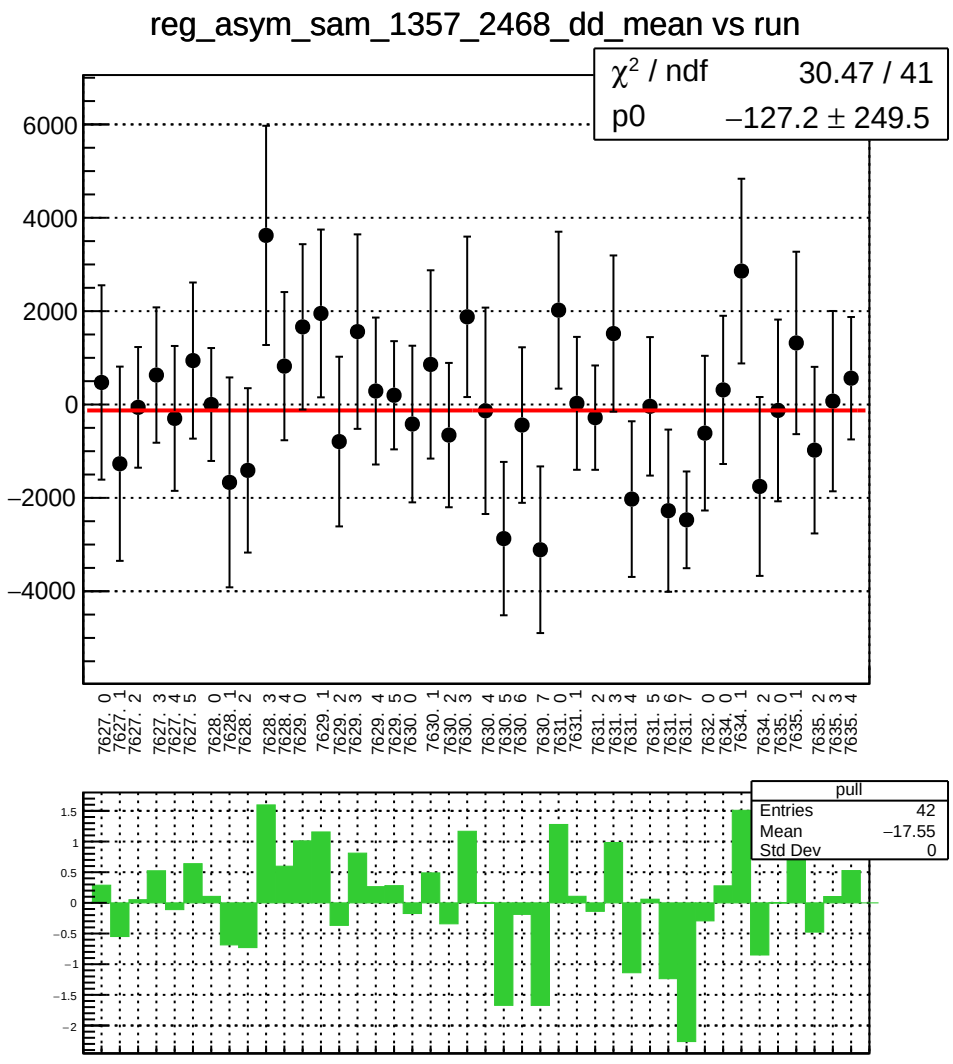

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.392e+04 / 41
p0 180.7 ± 0.211
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

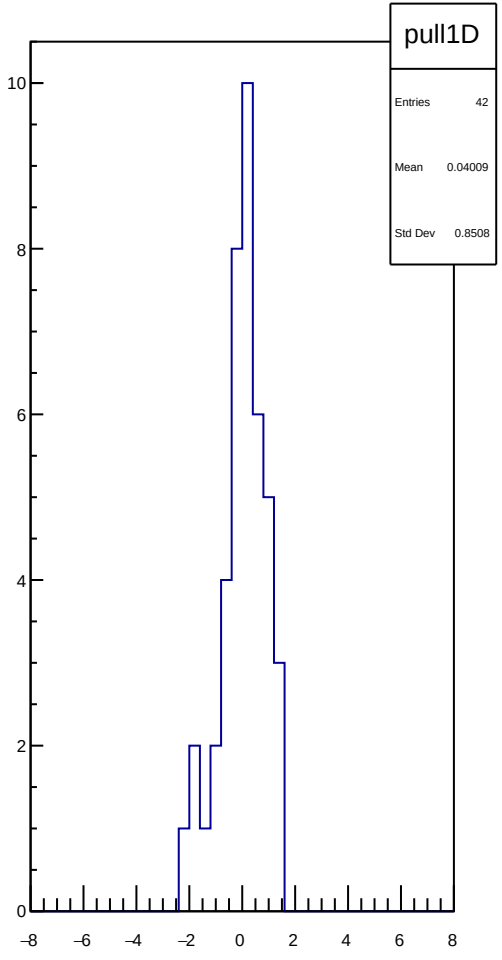

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.61 / 41
p0 0.006845 ± 0.2983
pull
Entries 42
Mean 28.81
Std Dev 0
pull1D
Entries 42
Mean 0.09975
Std Dev 1.227

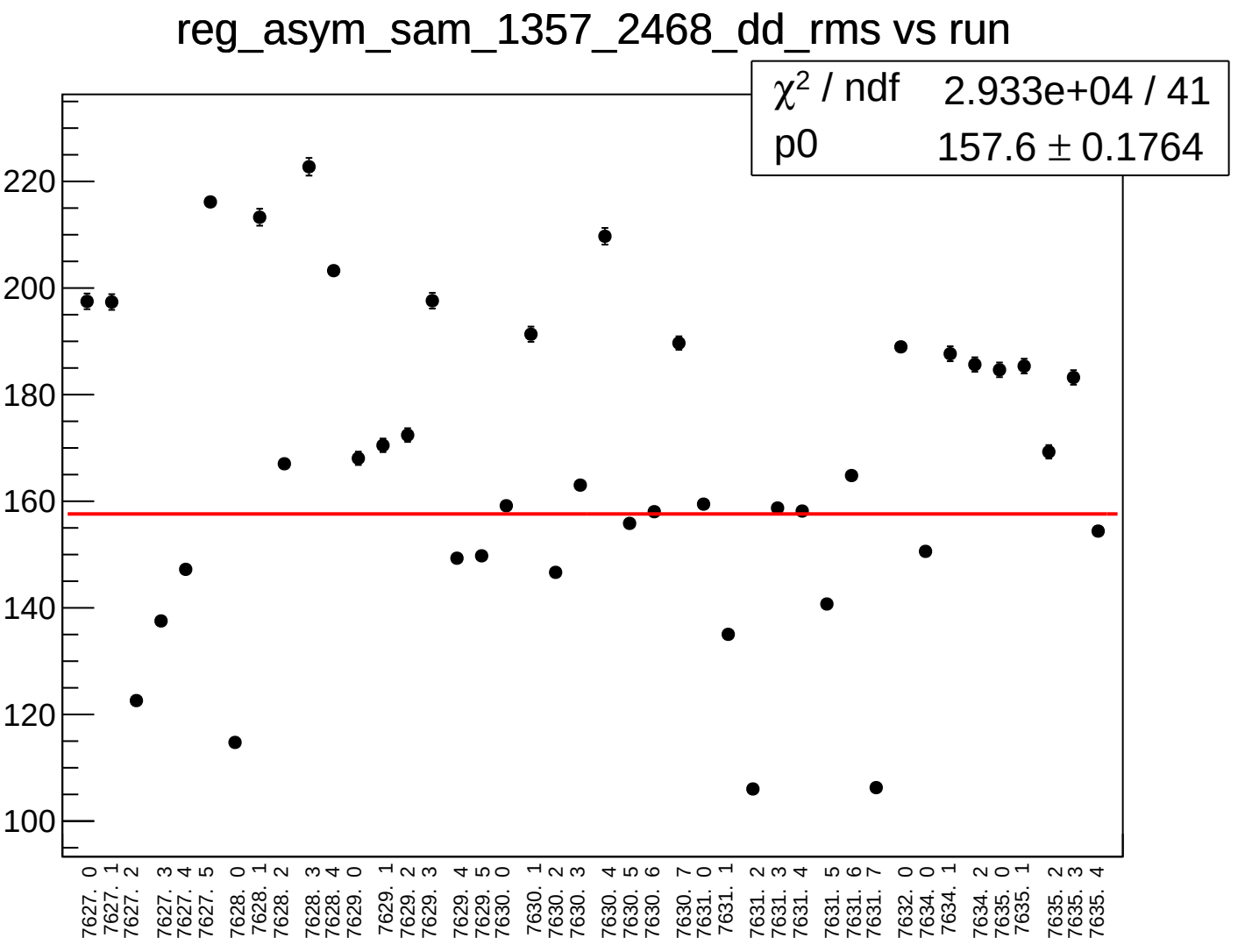

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.392e+04 / 41
p0 180.7 ± 0.211
600
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

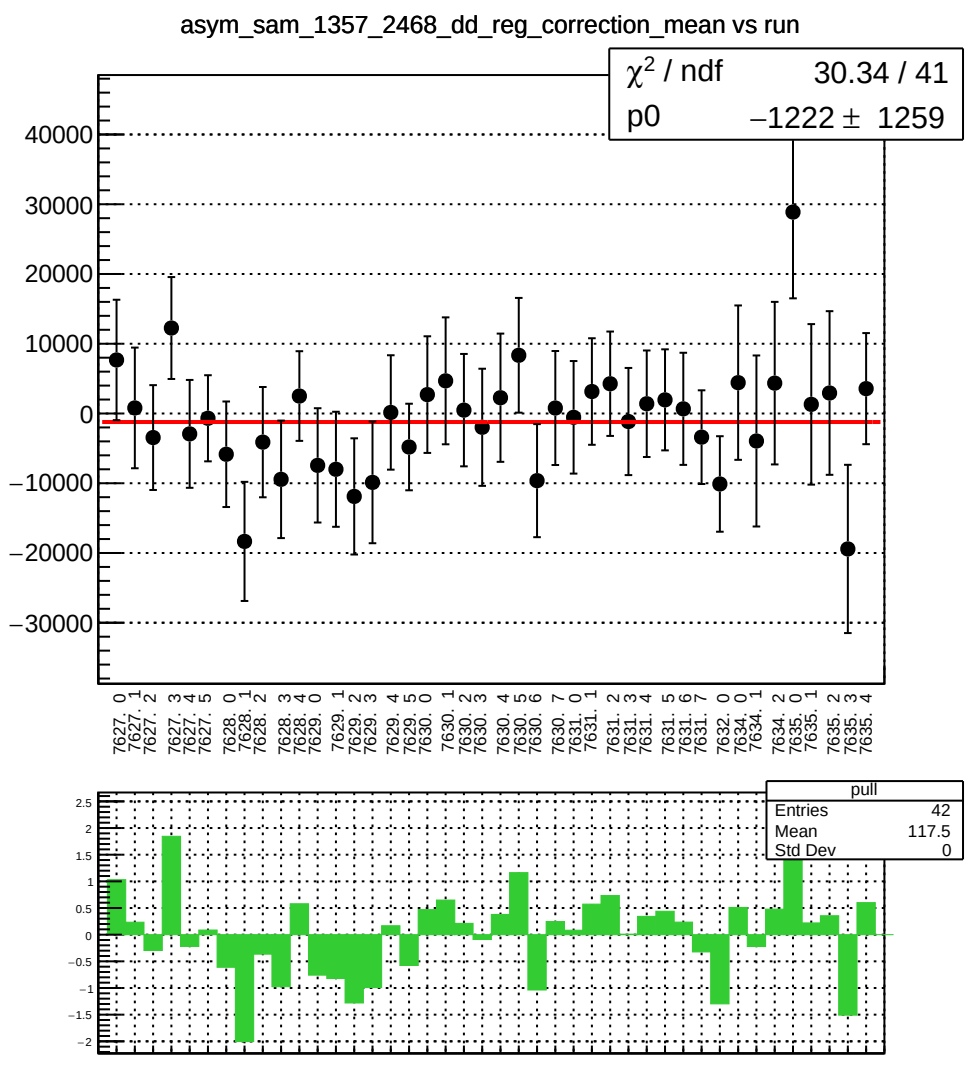

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 44.98 / 41
p0 1.469e−12 ± 1.439e−12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 33.12
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.2096
Std Dev 1.013
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

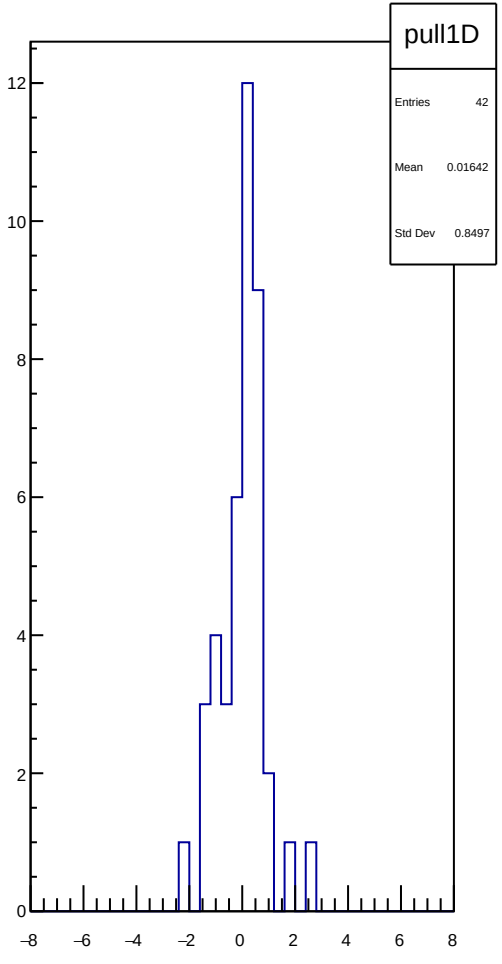

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.994e+05 / 41
p0 6.661e−10 ± 1.018e−12
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

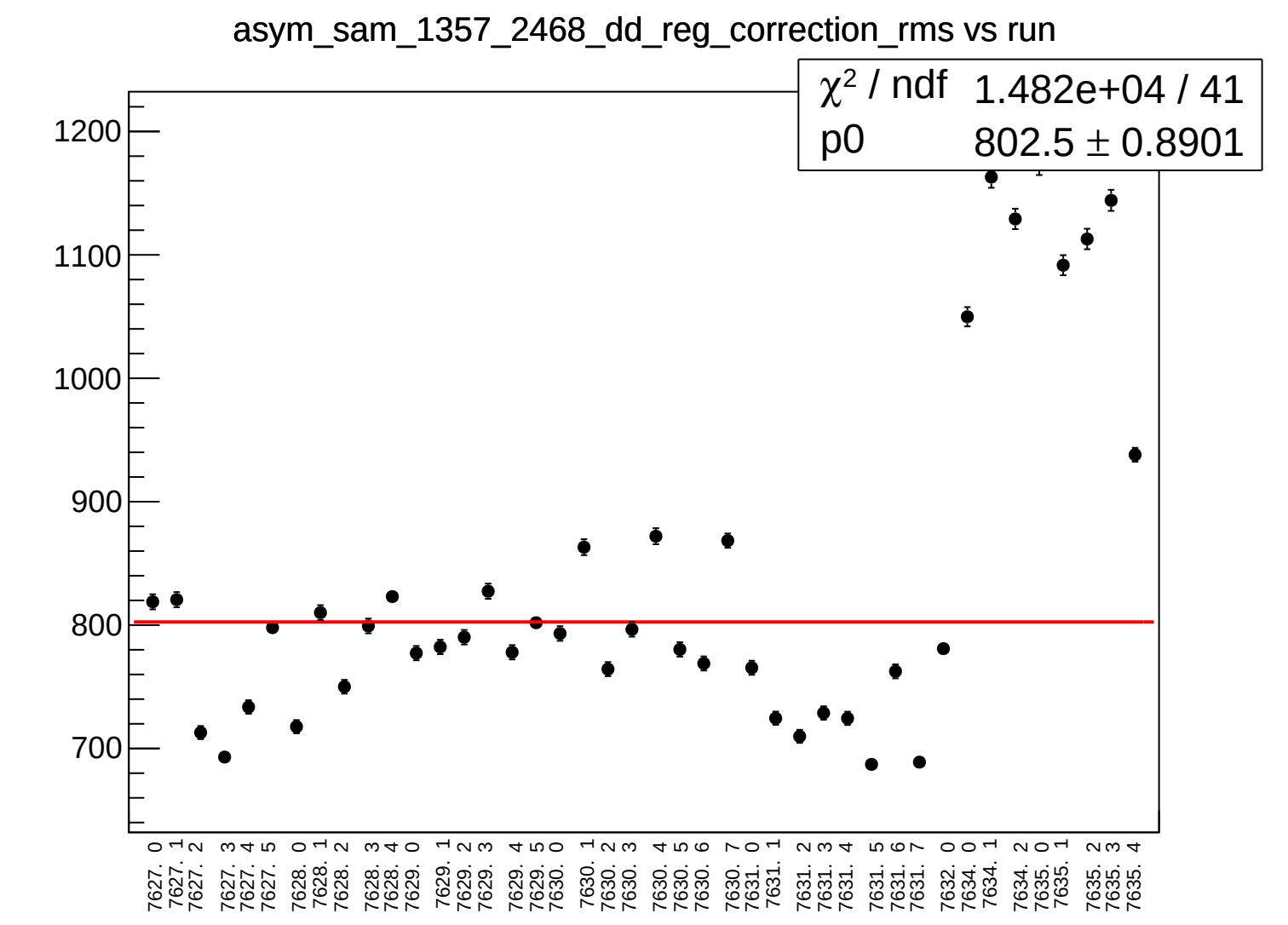

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 30.47 / 41
p0 −127.2 ± 249.5
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −17.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

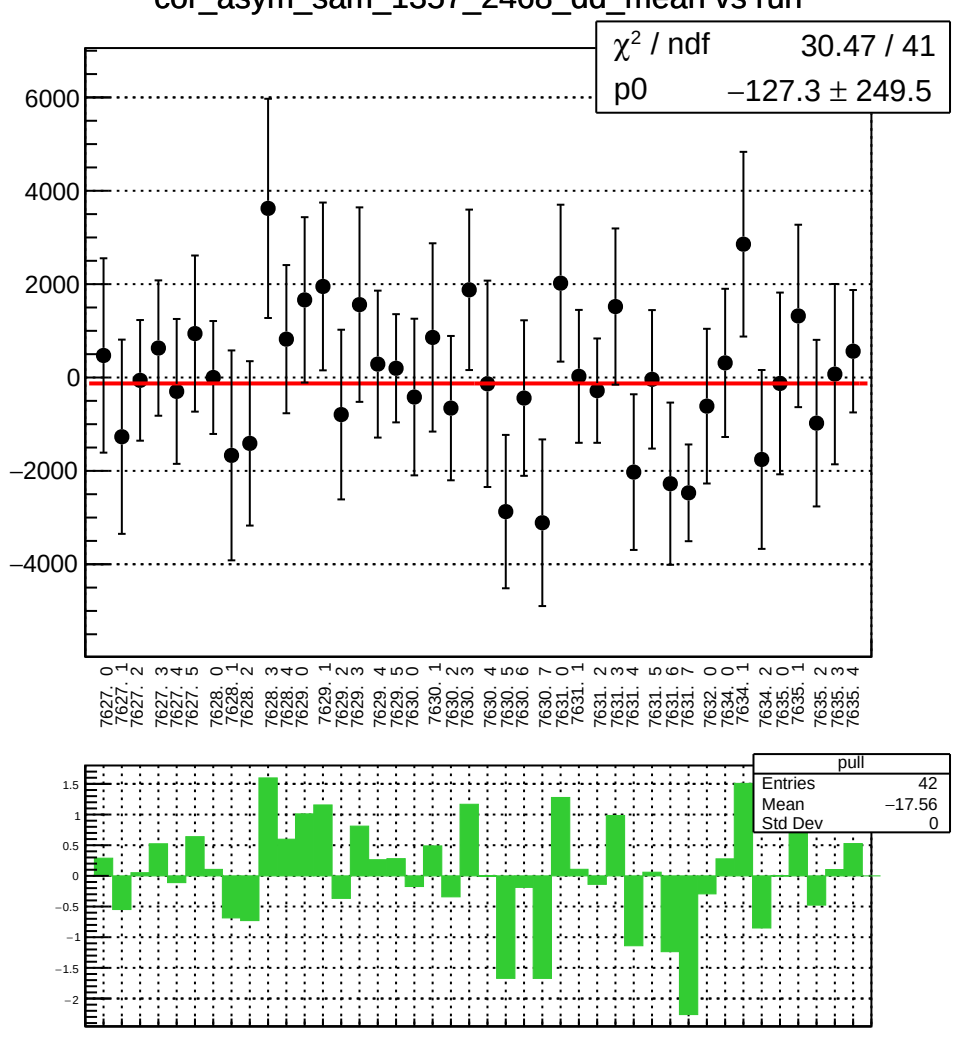

pull1D
Entries 42
Mean 0.04009
Std Dev 0.8508
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

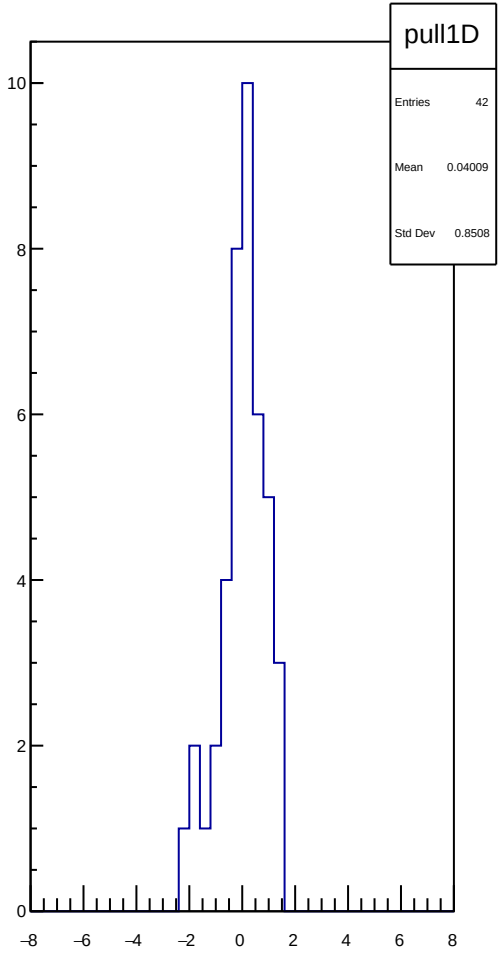

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.933e+04 / 41
p0 157.6 ± 0.1764
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

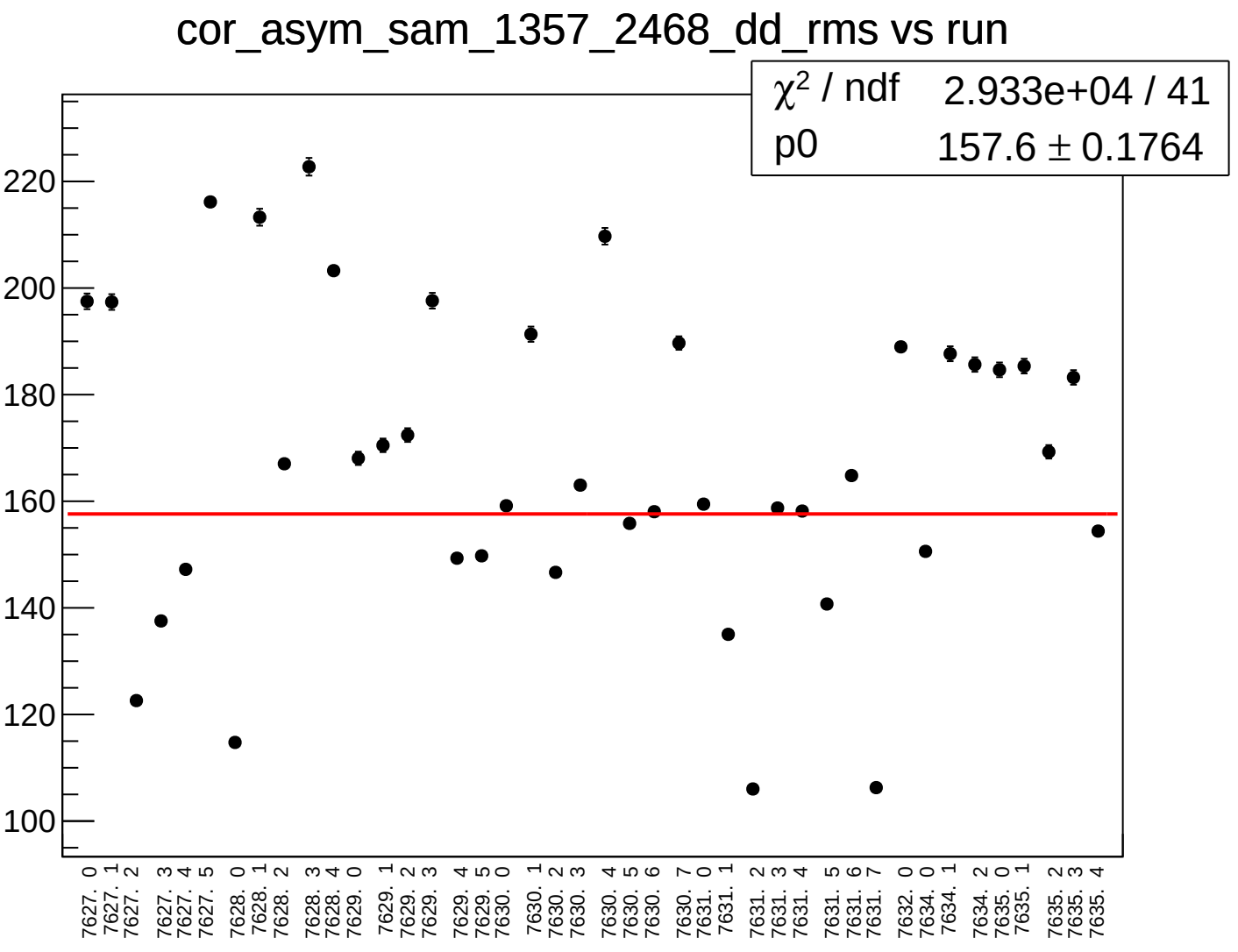

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 30.34 / 41
p0 −1222 ± 1259
40000
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

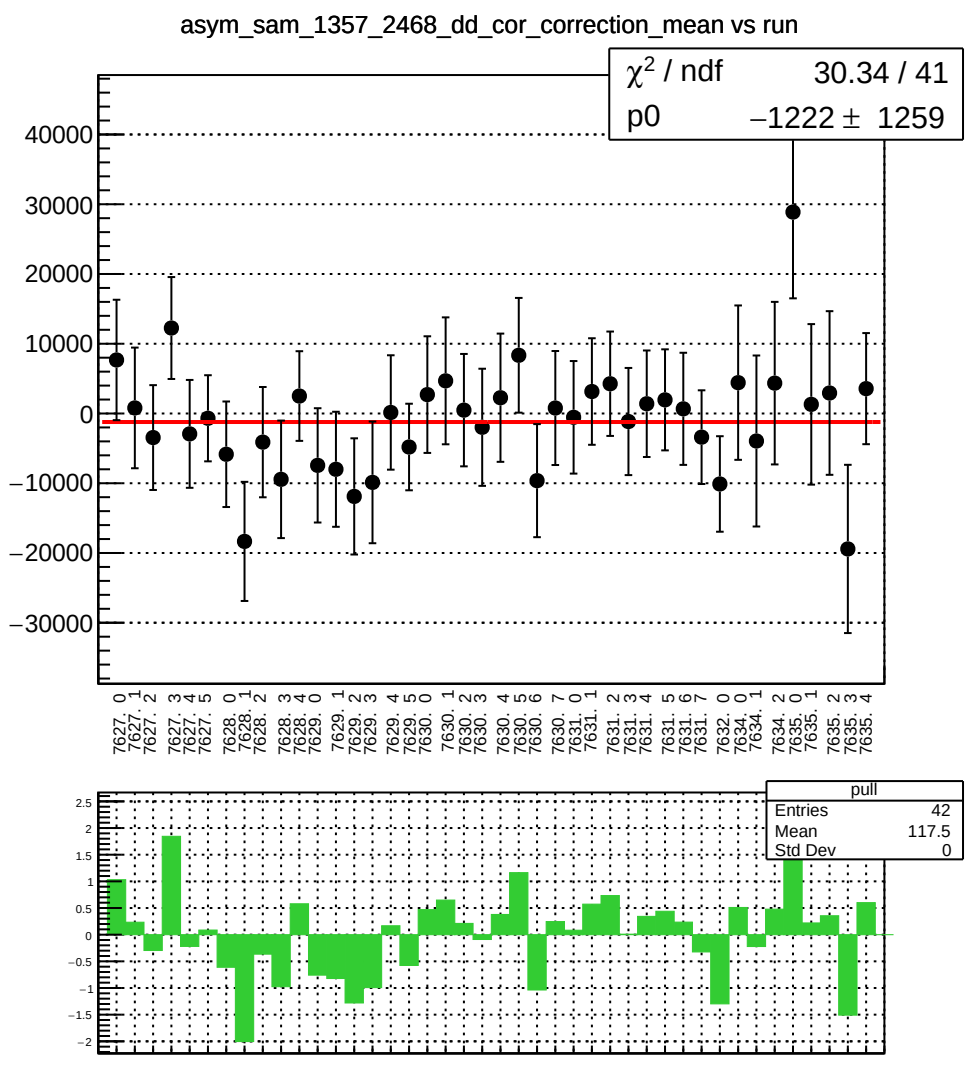

pull1D
Entries 42
Mean 0.01642
Std Dev 0.8497
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

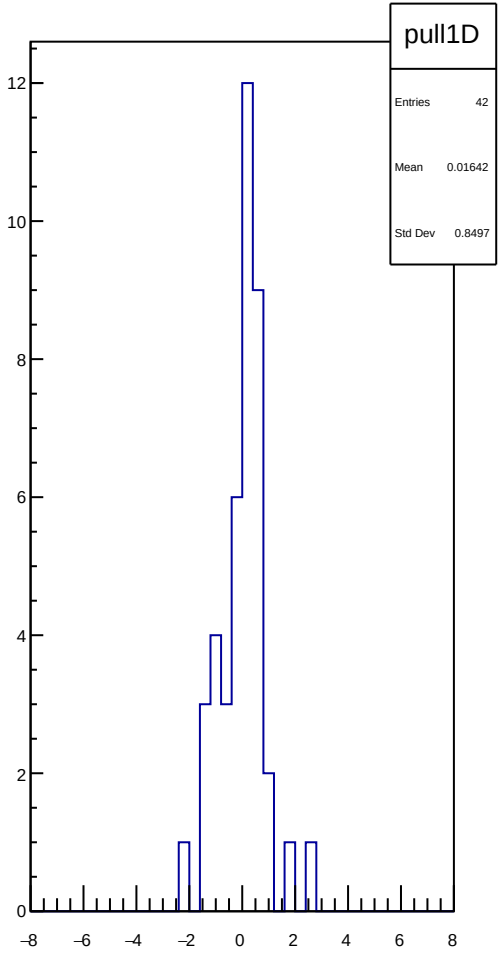

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 1.482e+04 / 41
p0 802.5 ± 0.8901
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

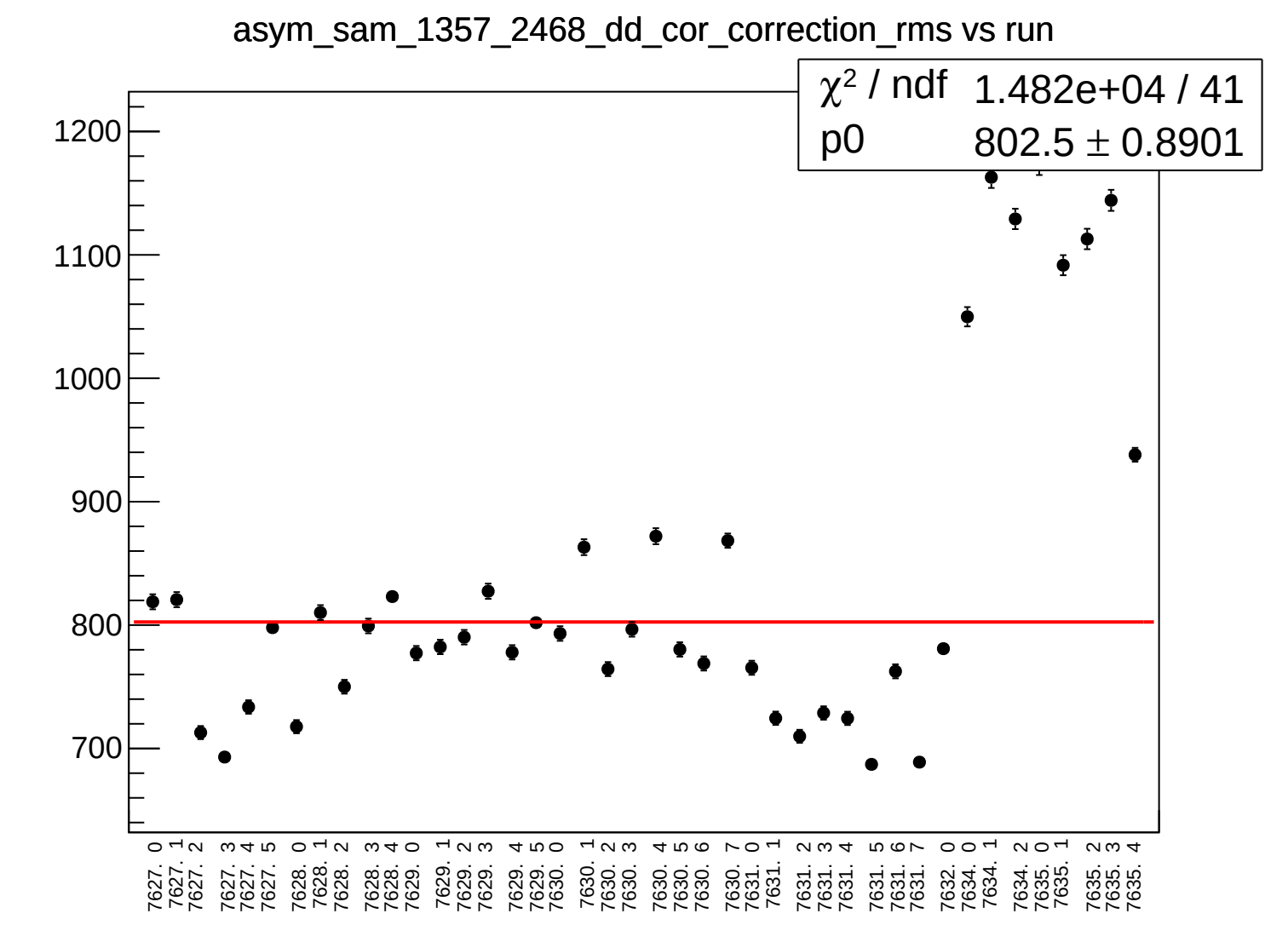

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 30.47 / 41
p0 −127.3 ± 249.5
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −17.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.04009
Std Dev 0.8508
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.933e+04 / 41
p0 157.6 ± 0.1764
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 30.34 / 41
p0 −1222 ± 1259
40000
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 117.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 42
Mean 0.01642
Std Dev 0.8497
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 1.482e+04 / 41
p0 802.5 ± 0.8901
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
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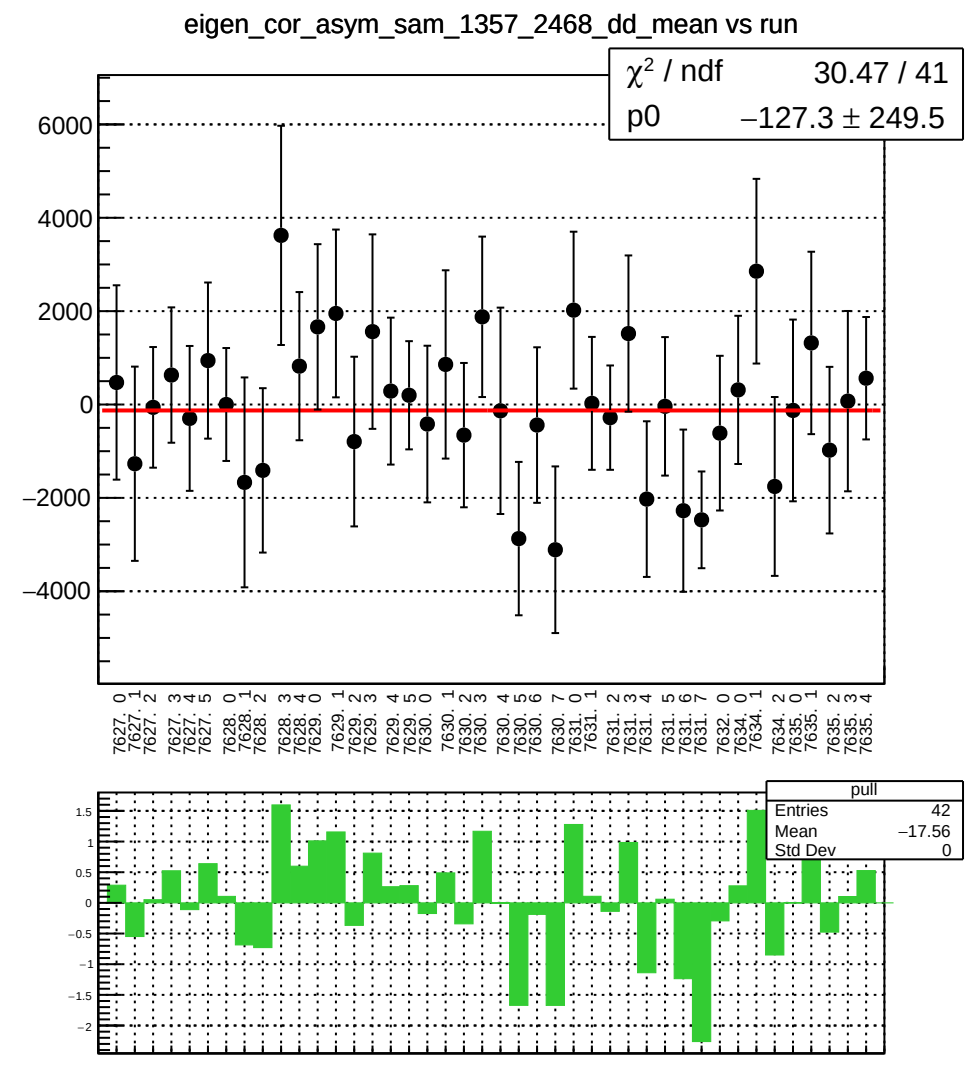
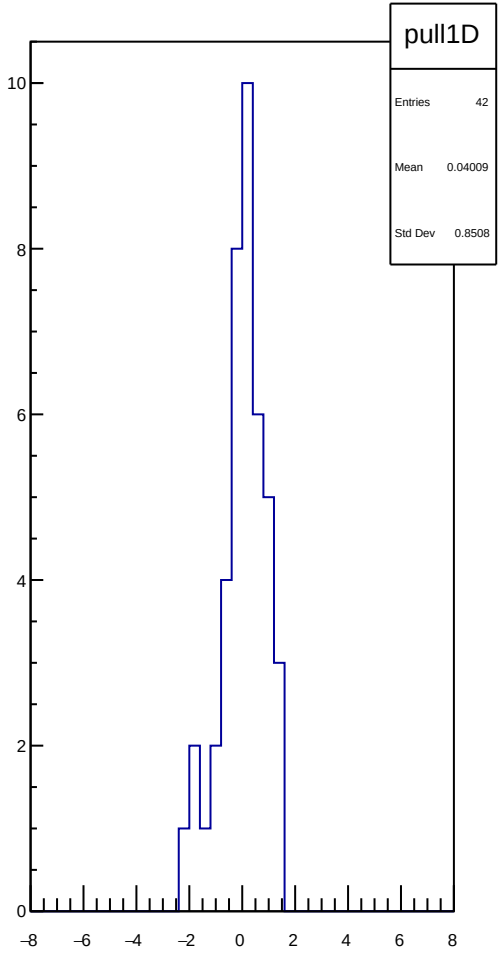
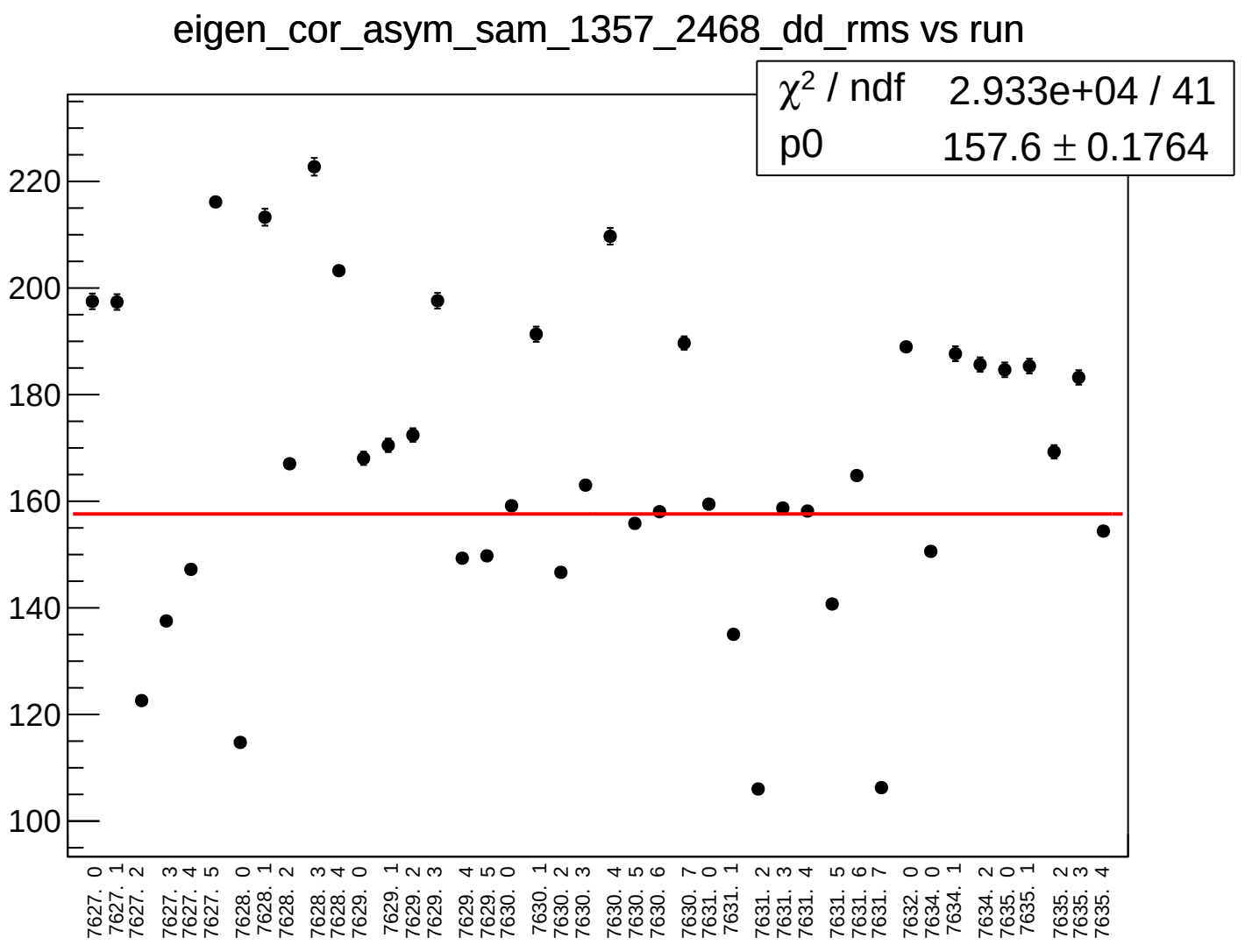
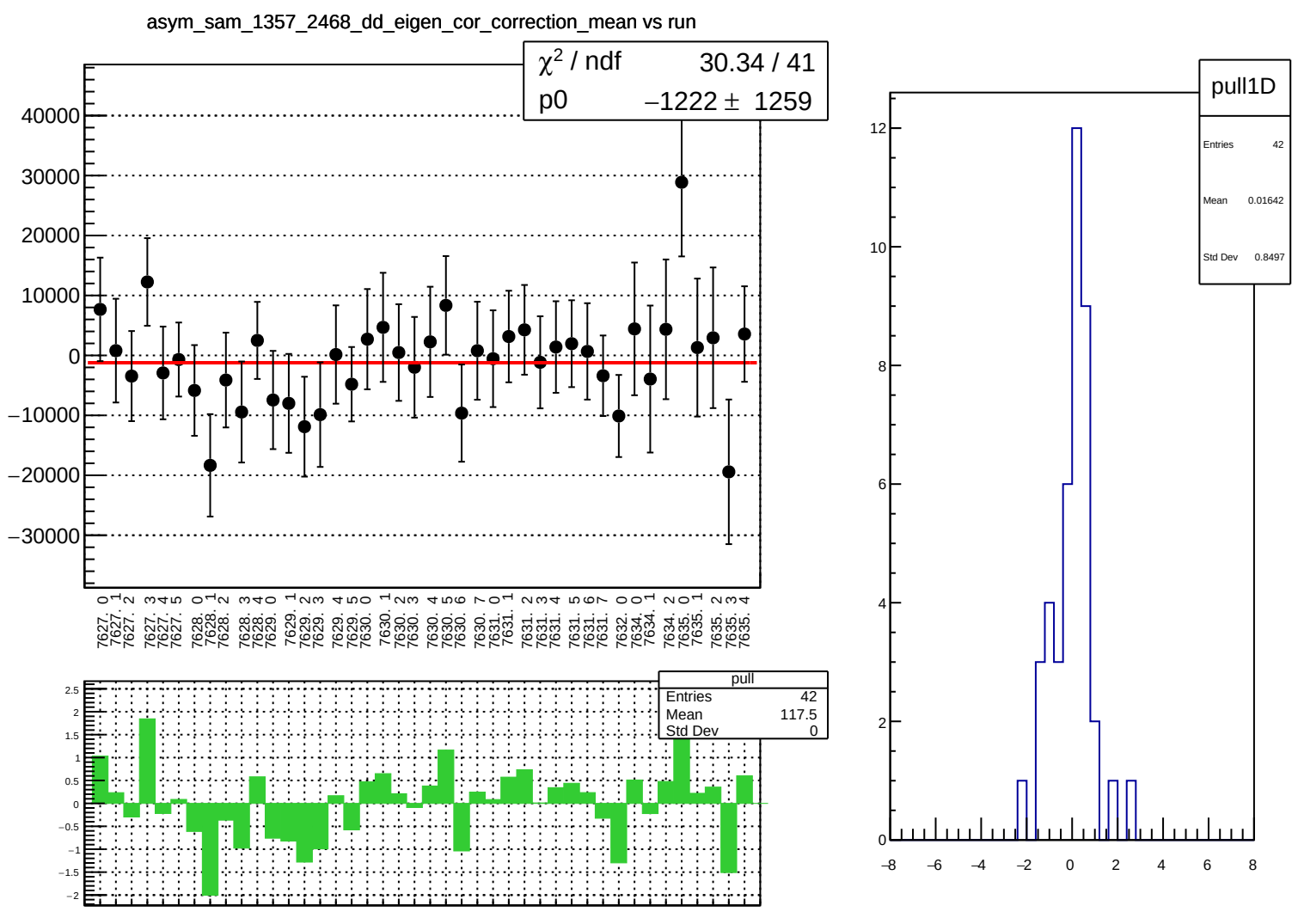
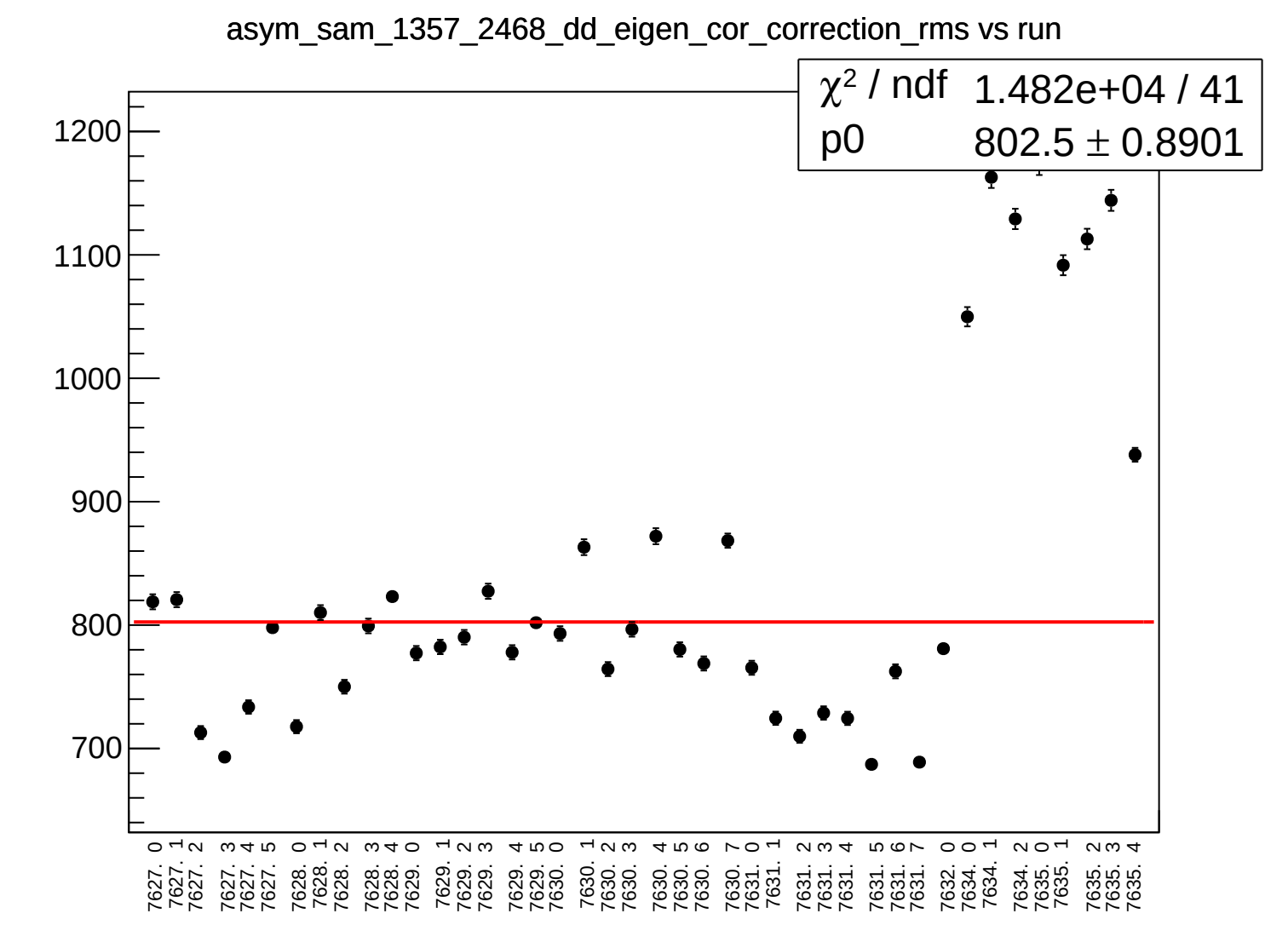
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

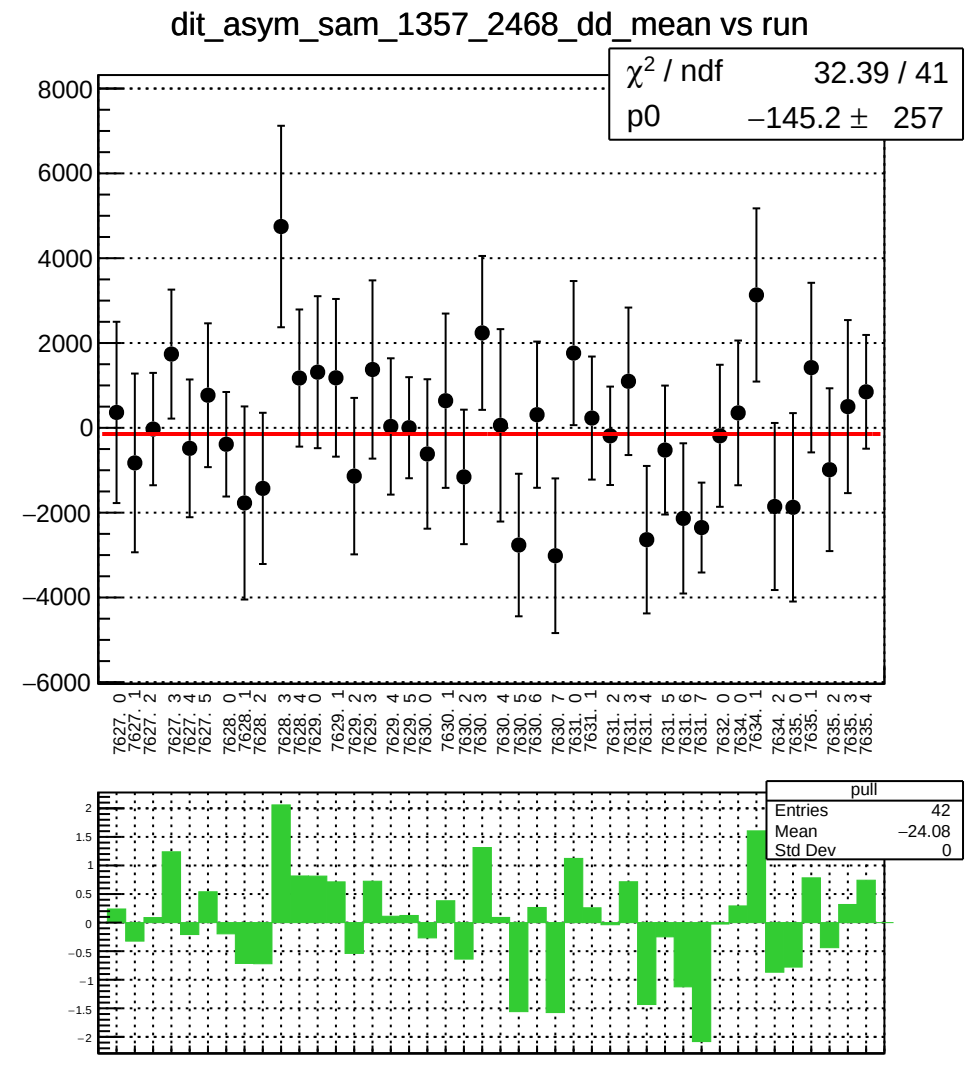

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 30.47 / 41
p0 −127.3 ± 249.5
6000
4000
2000
0
−2000
−4000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −17.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

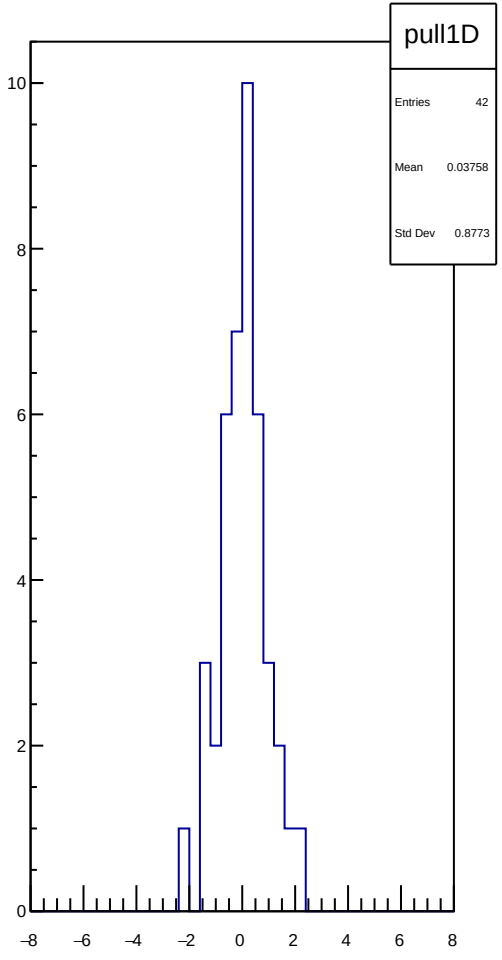

pull1D
Entries 42
Mean 0.04009
Std Dev 0.8508
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

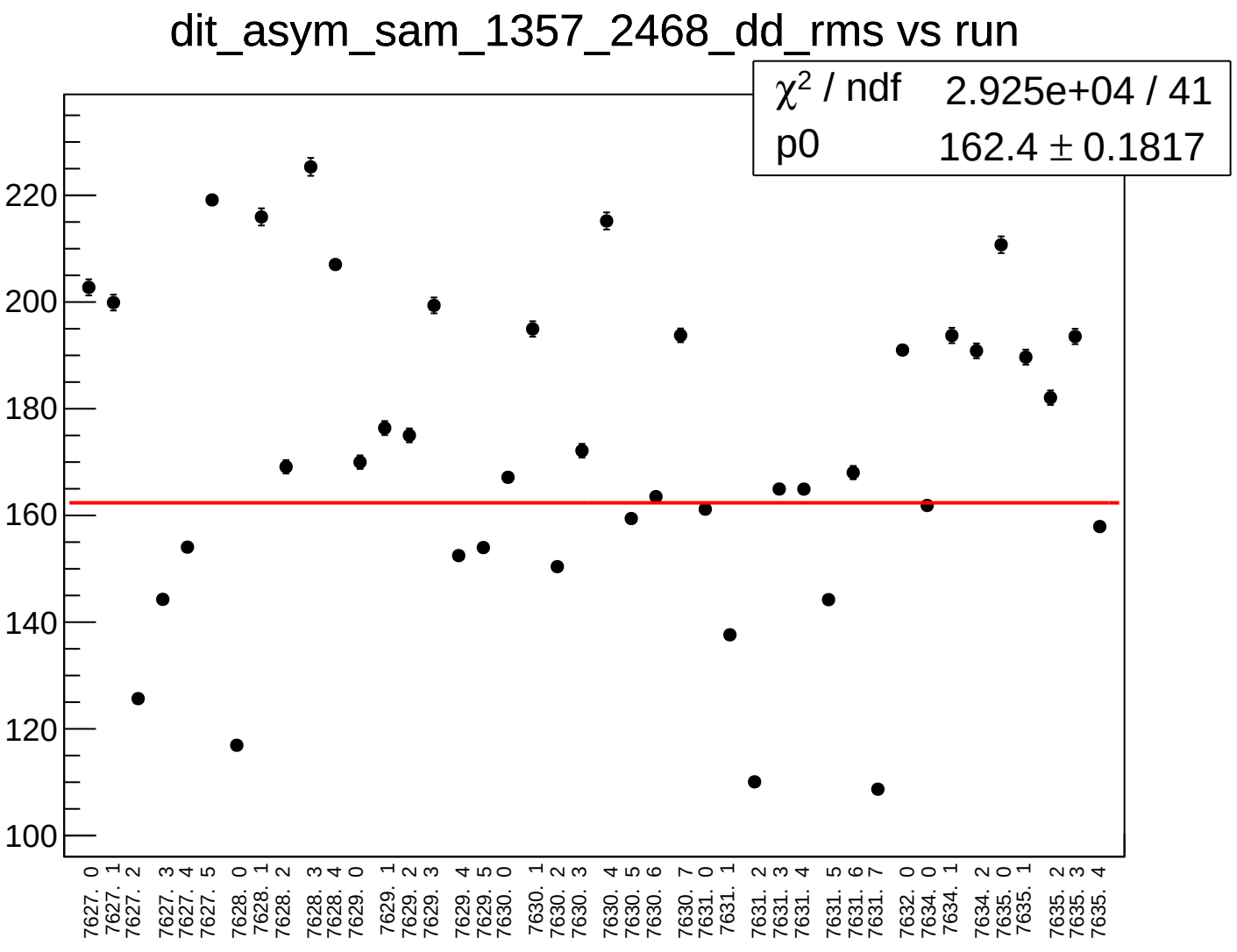

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.933e+04 / 41
p0 157.6 ± 0.1764
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

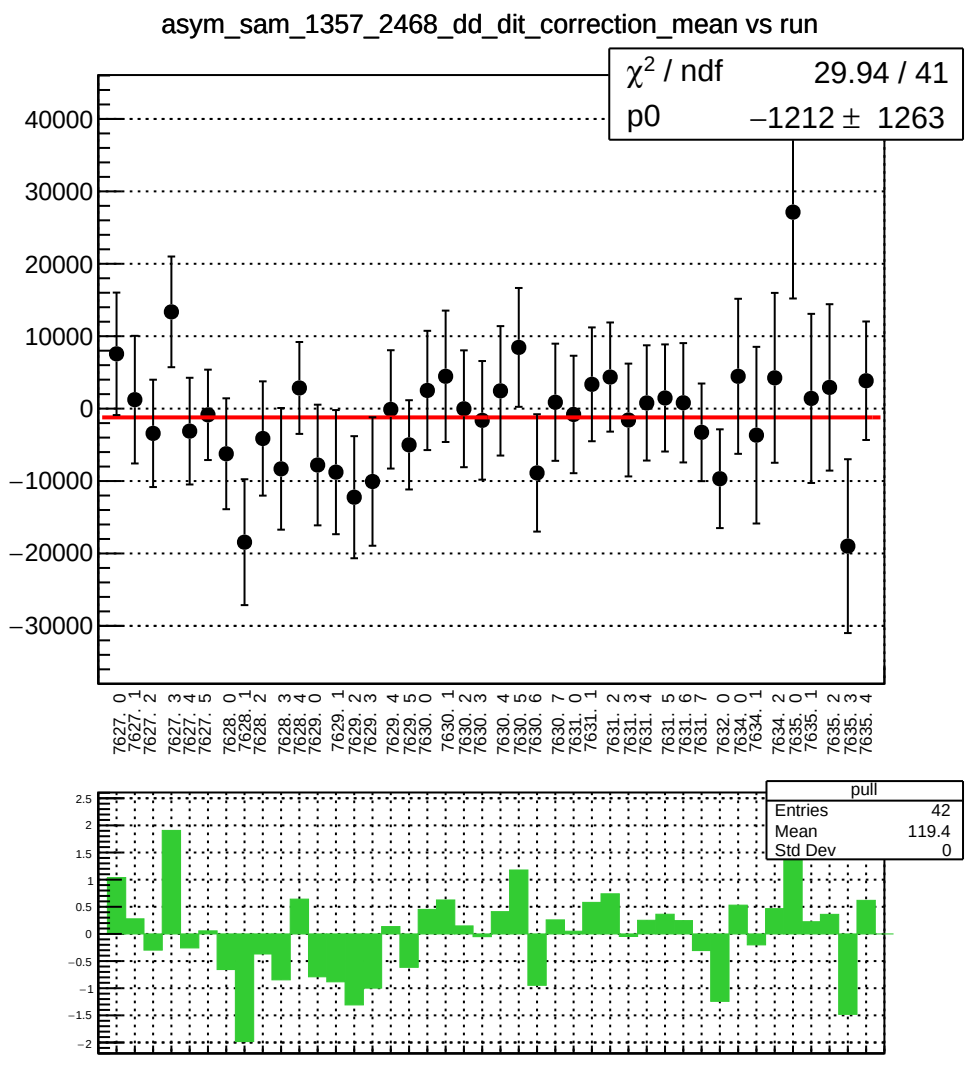

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.34 / 41
p0 −1222 ± 1259
pull
Entries 42
Mean 117.5
Std Dev 0
pull1D
Entries 42
Mean 0.01642
Std Dev 0.8497

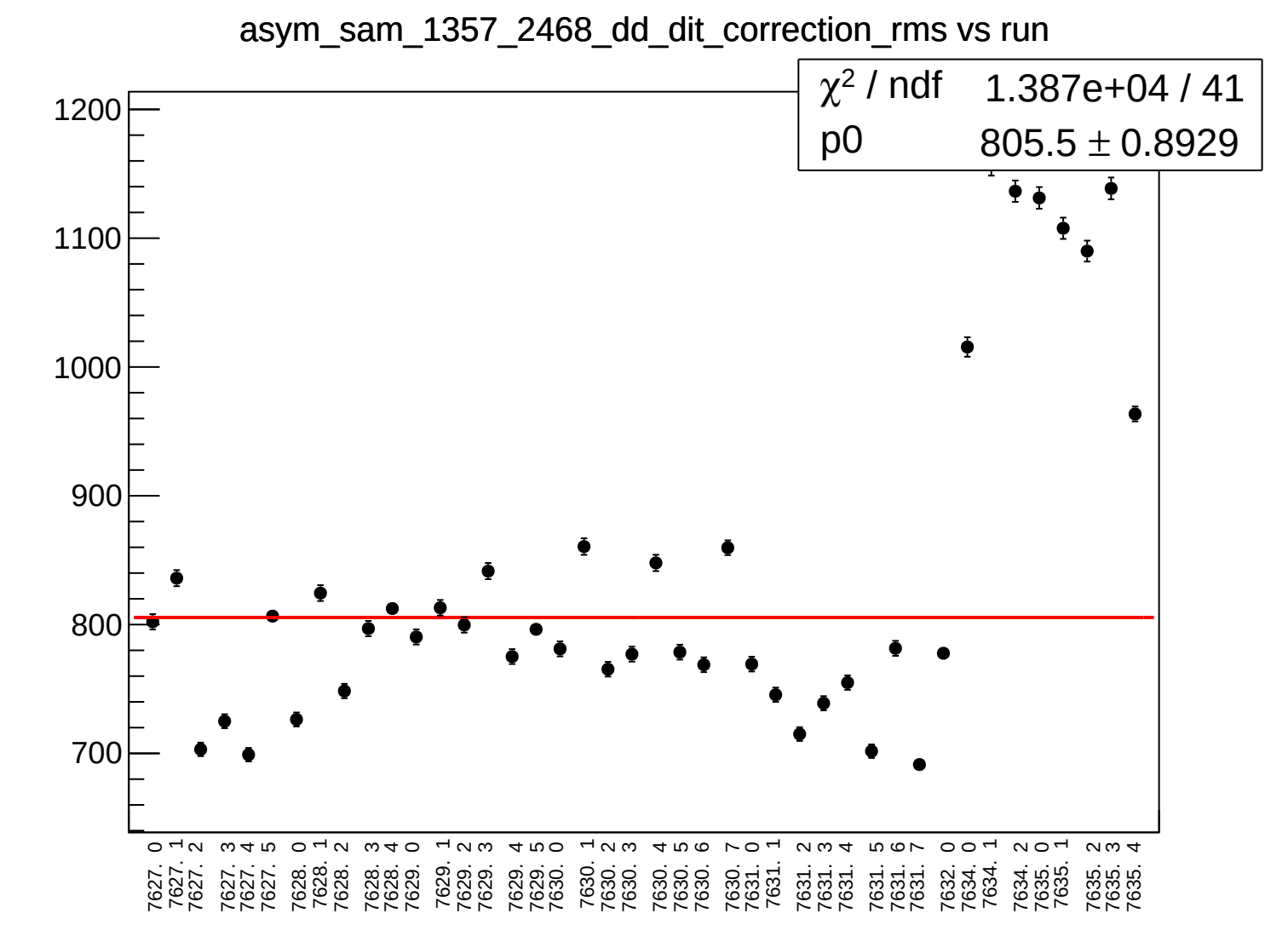

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.482e+04 / 41
p0 802.5 ± 0.8901
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

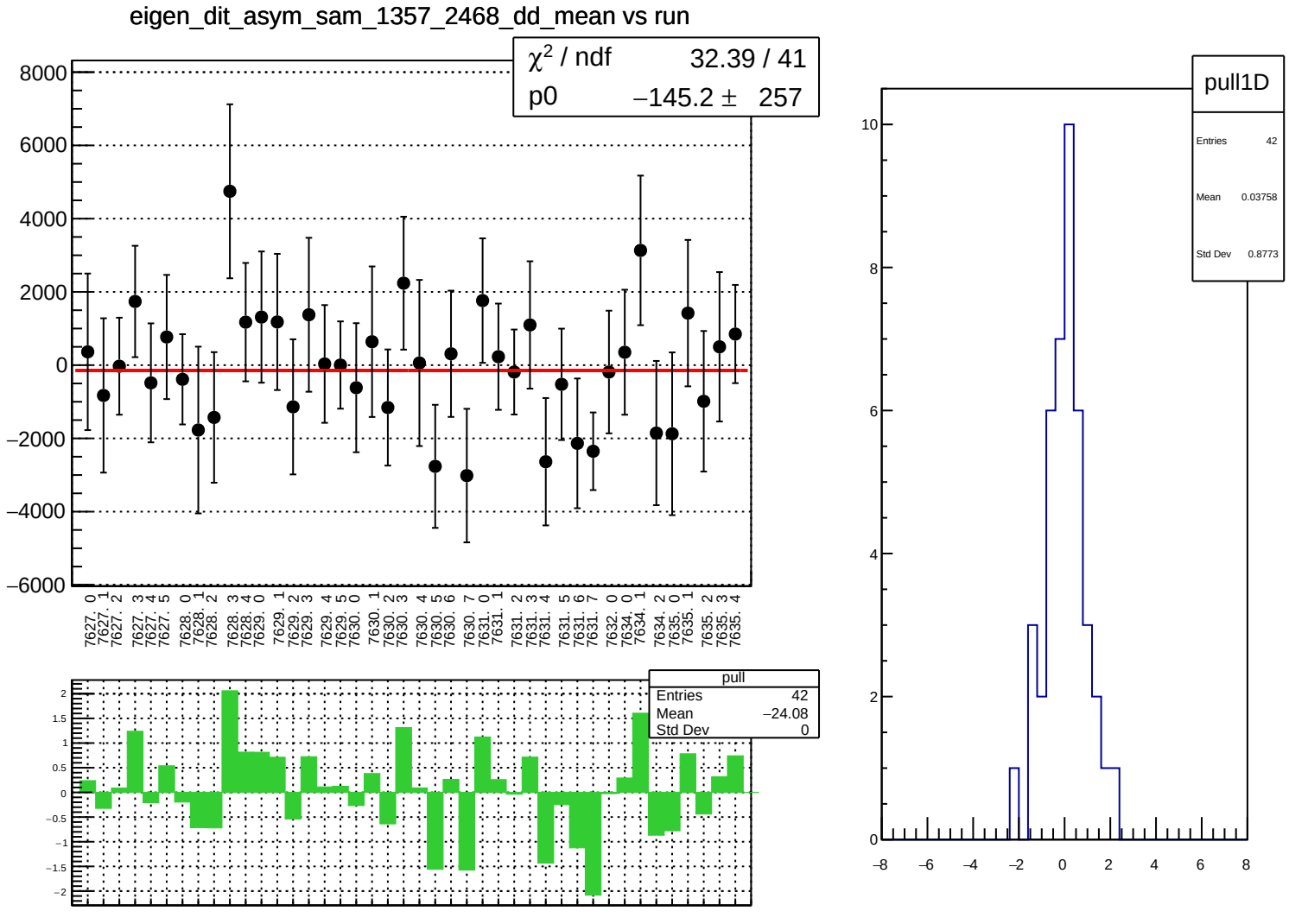

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 32.39 / 41
p0 −145.2 ± 257
8000
6000
4000
2000
0
−2000
−4000
−6000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −24.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

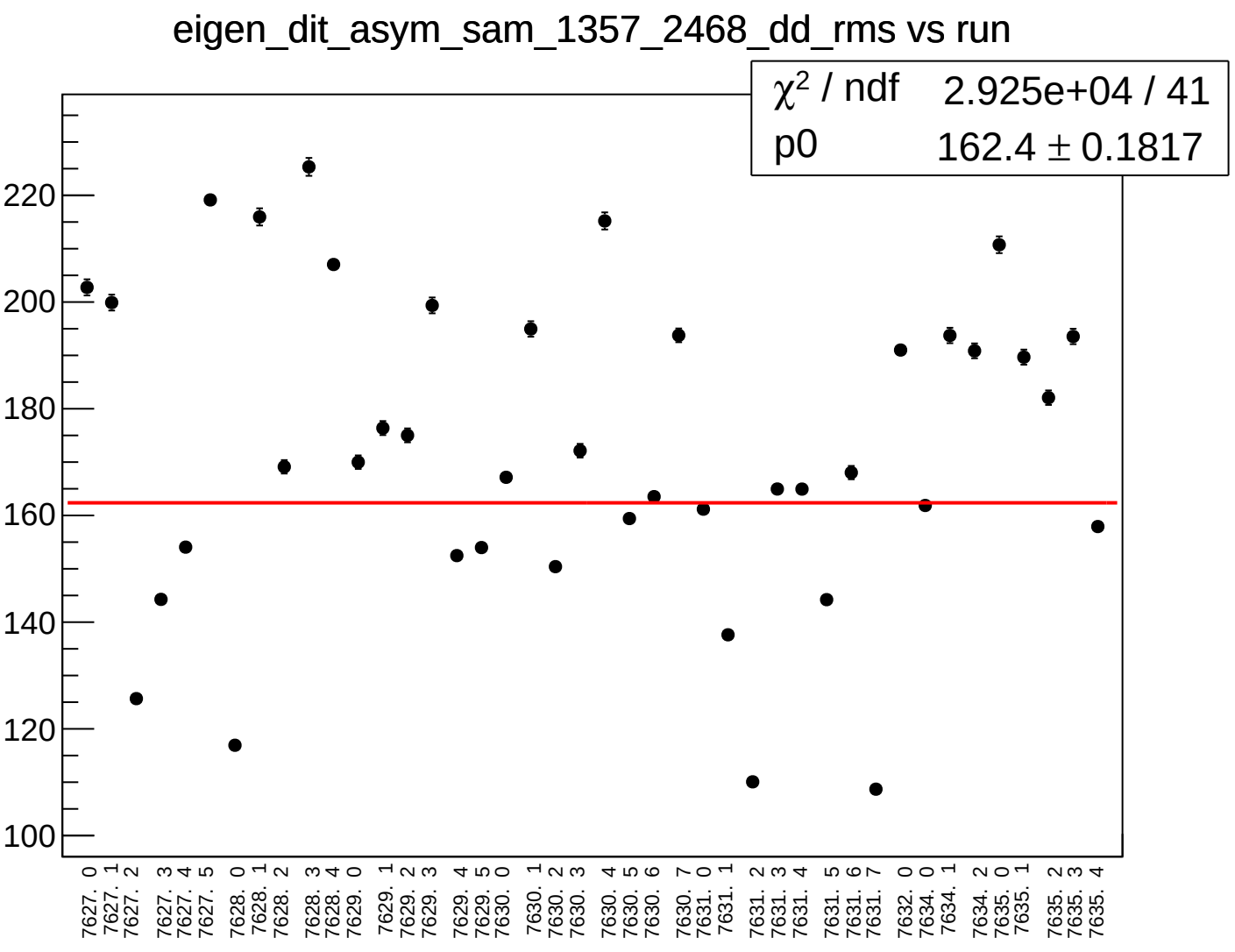

pull1D
Entries 42
Mean 0.03758
Std Dev 0.8773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

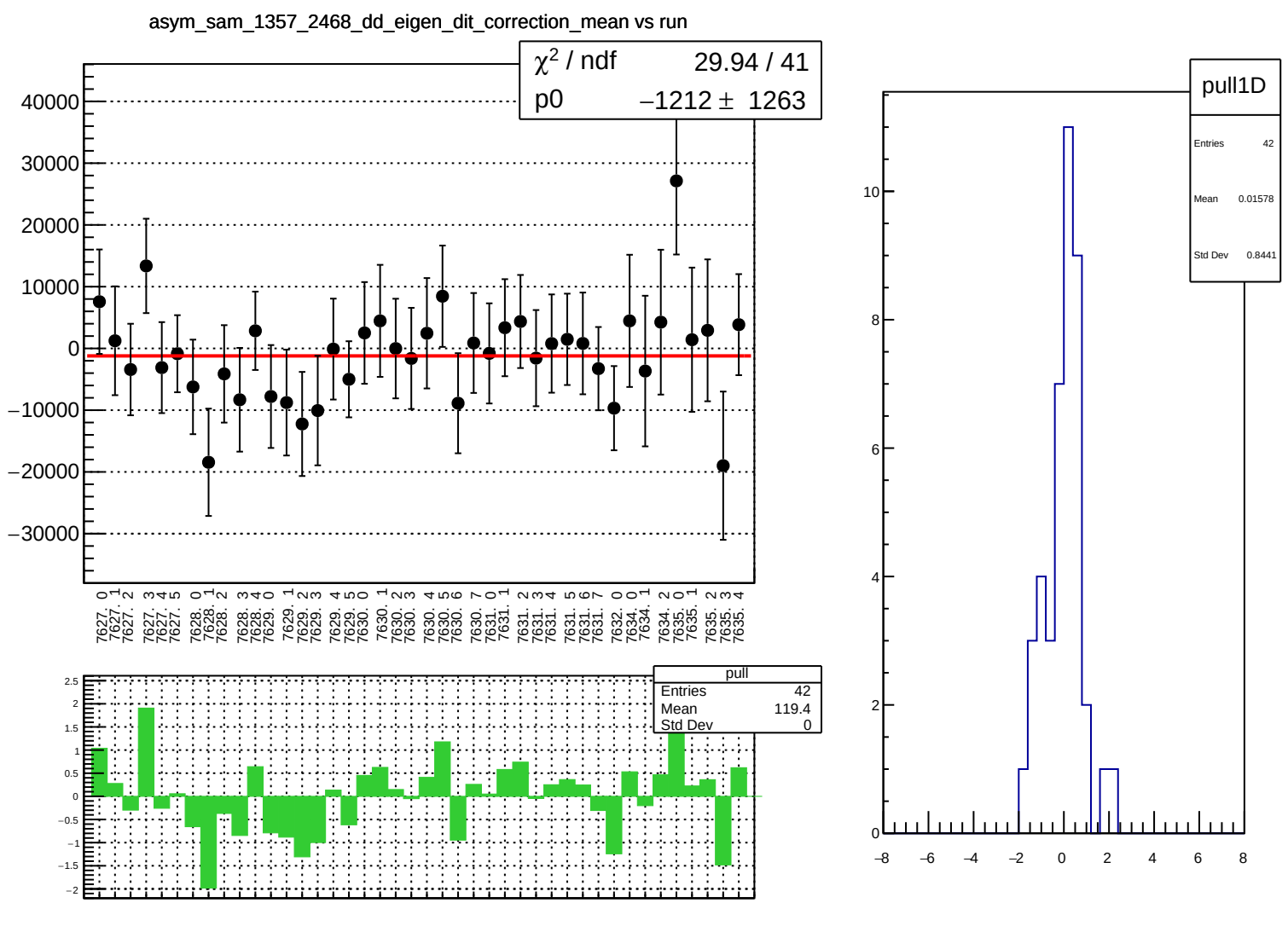

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.925e+04 / 41
p0 162.4 ± 0.1817
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

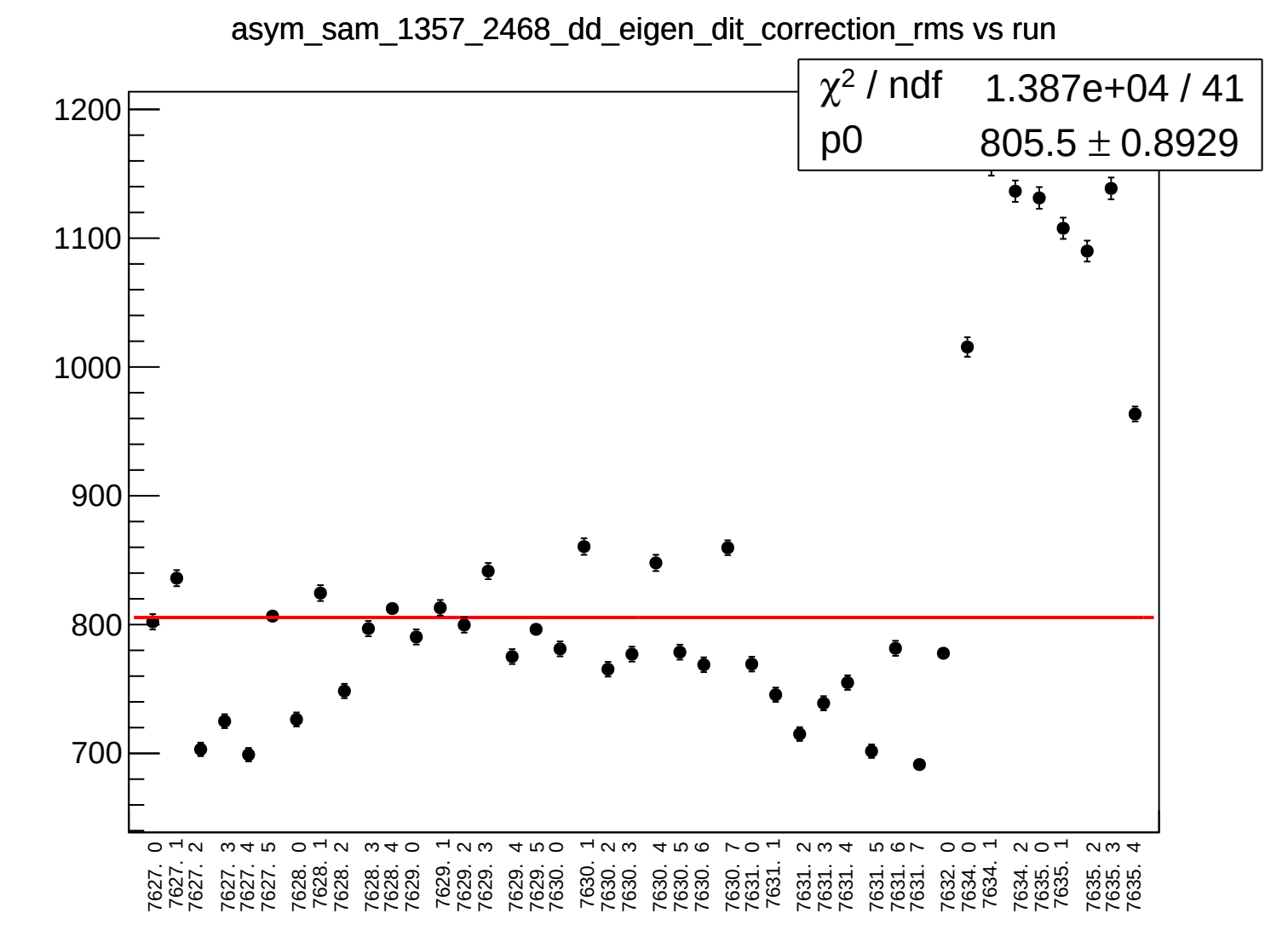

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 29.94 / 41
p0 −1212 ± 1263
40000
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 119.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01578
Std Dev 0.8441
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

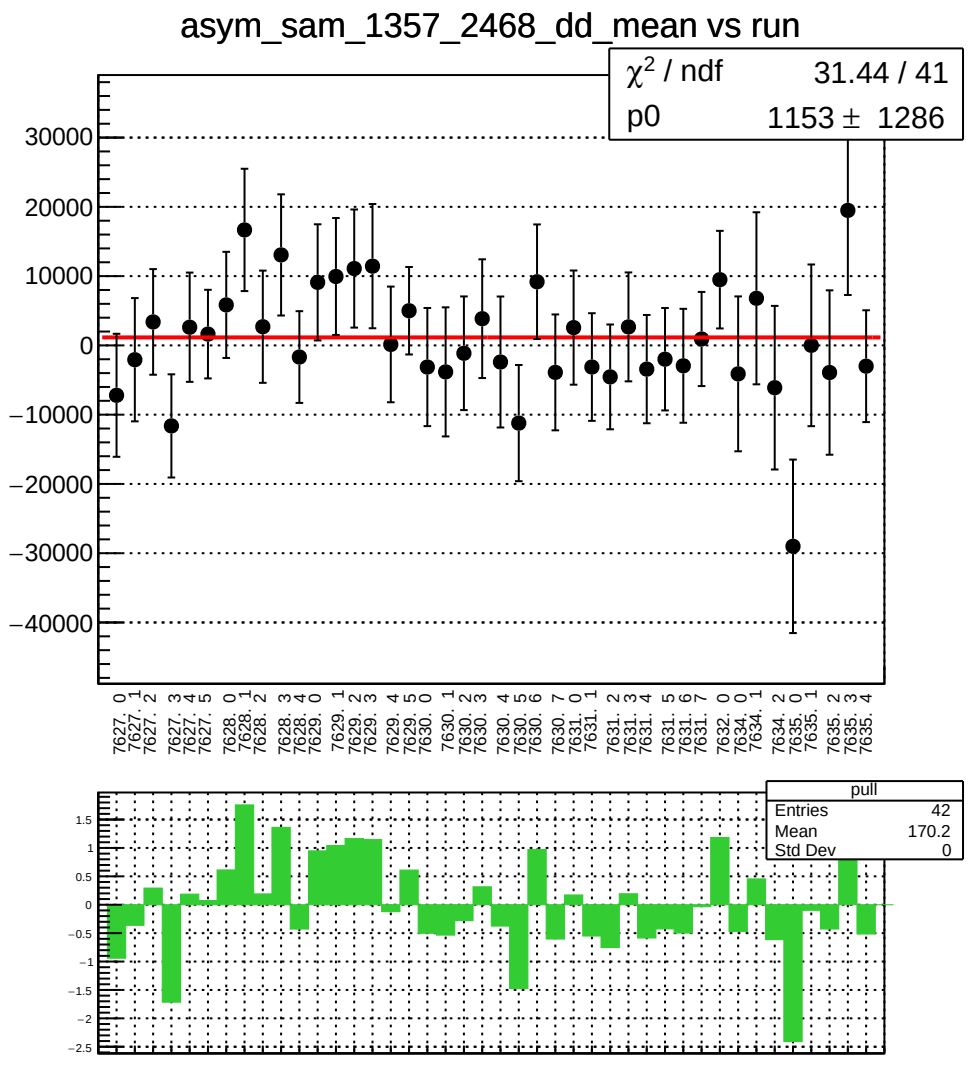

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 1.387e+04 / 41
p0 805.5 ± 0.8929
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

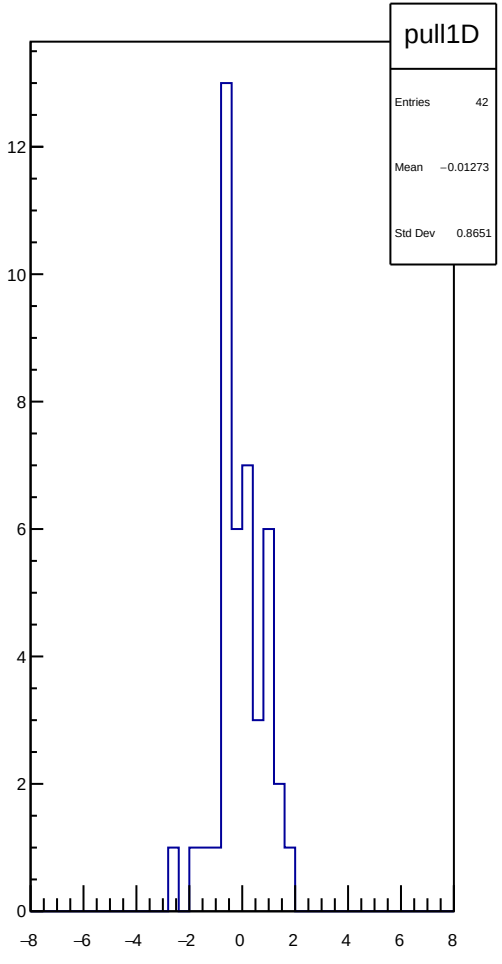

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 32.39 / 41
p0 −145.2 ± 257
pull
Entries 42
Mean −24.08
Std Dev 0
pull1D
Entries 42
Mean 0.03758
Std Dev 0.8773

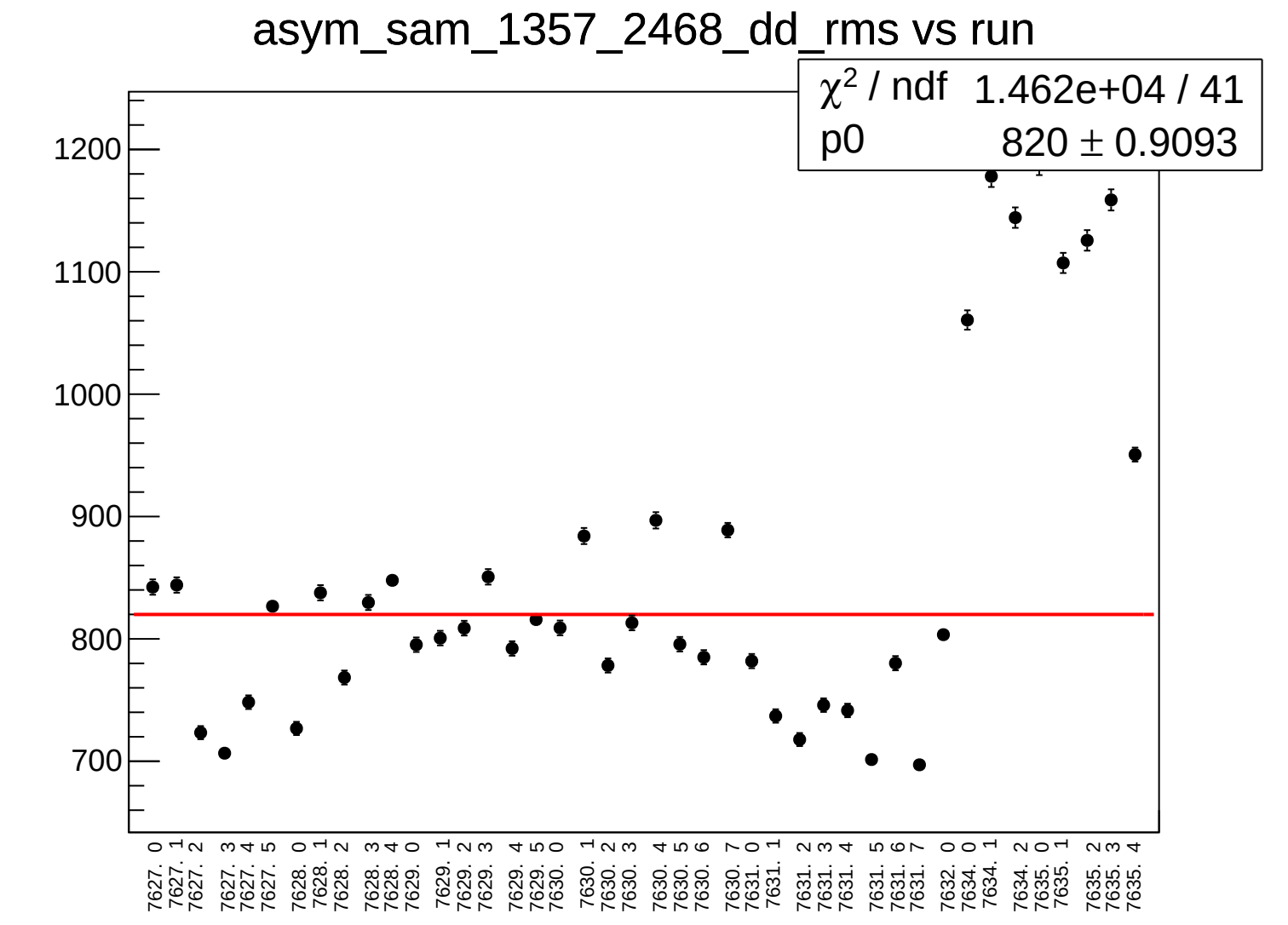

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.925e+04 / 41
p0 162.4 ± 0.1817
220
200
180
160
140
120
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

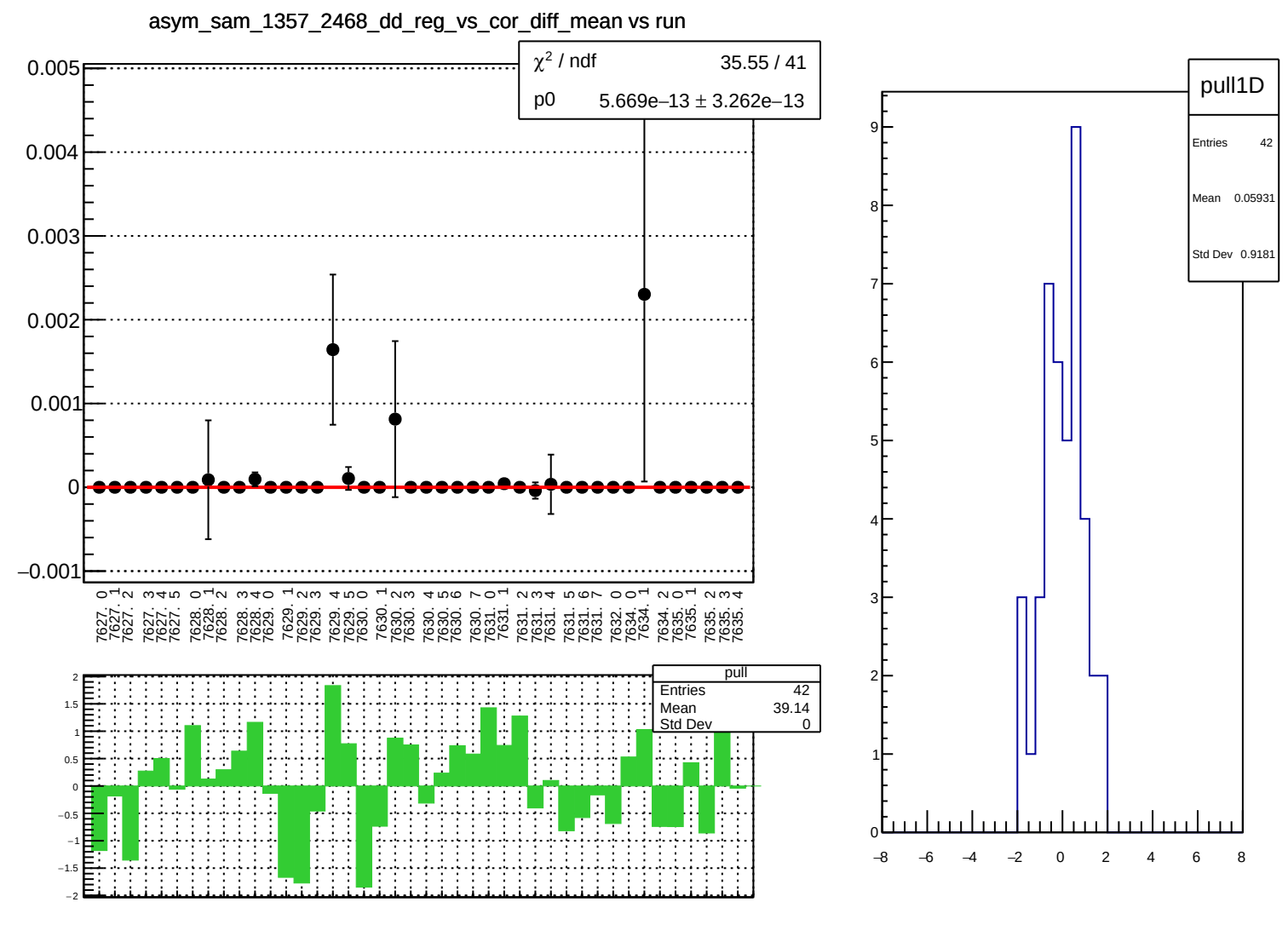

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.94 / 41
p0 −1212 ± 1263
40000
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 119.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.01578
Std Dev 0.8441
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

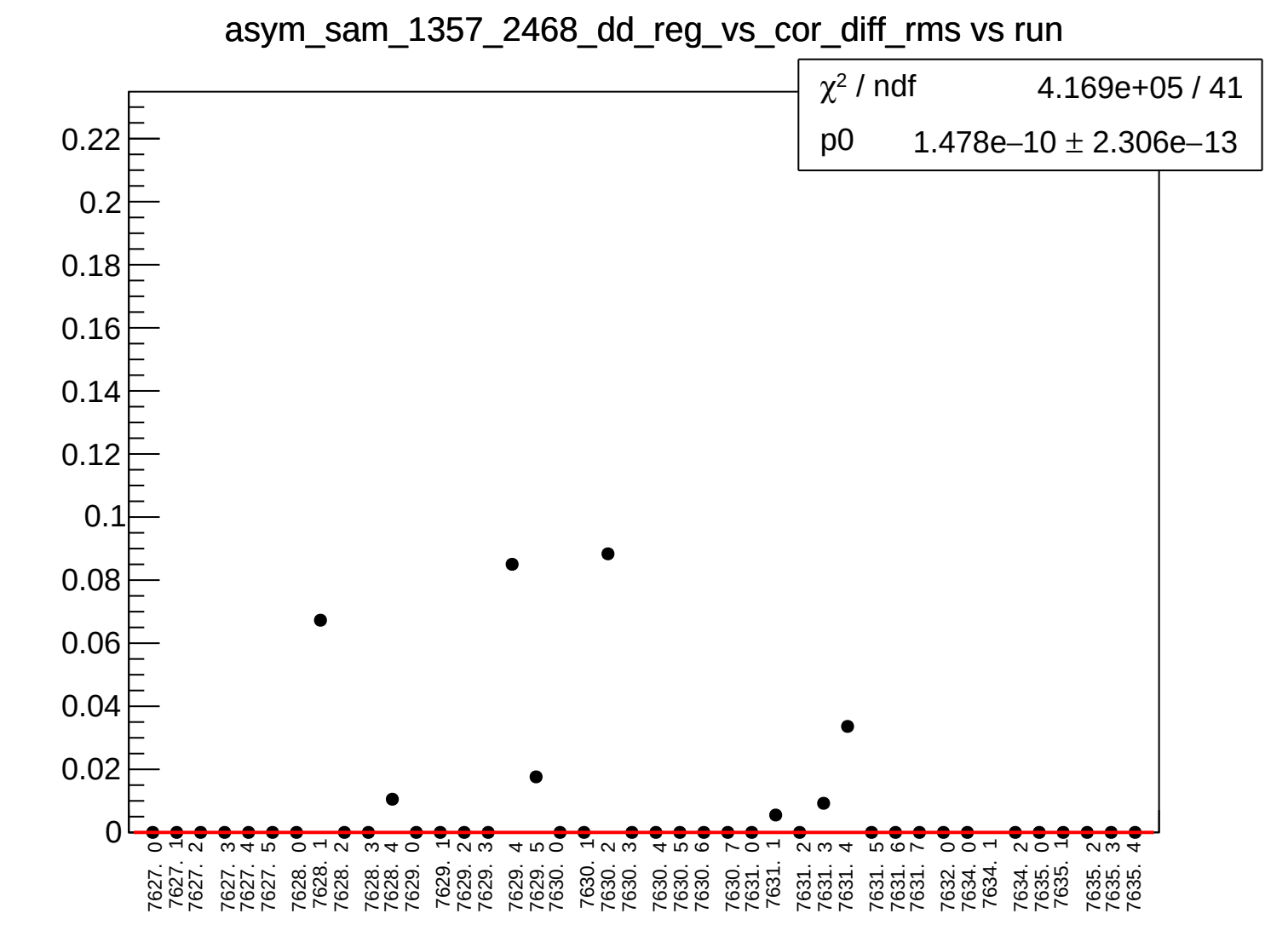

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.387e+04 / 41
p0 805.5 ± 0.8929
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

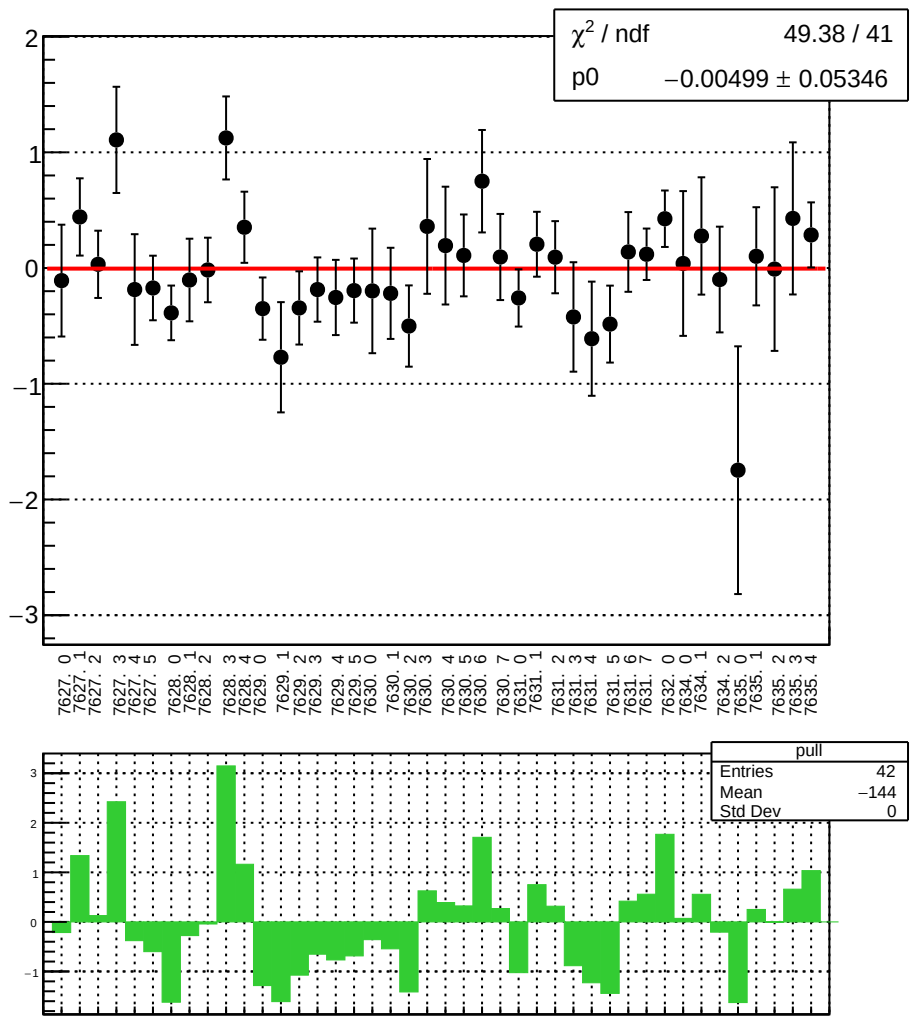

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 31.44 / 41
p0 1153 ± 1286
30000
20000
10000
0
−10000
−20000
−30000
−40000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 170.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

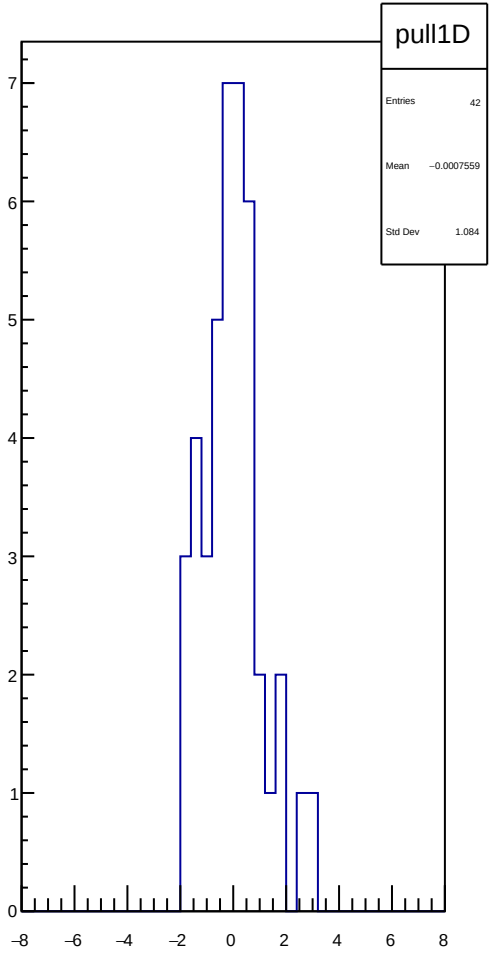

pull1D
Entries 42
Mean −0.01273
Std Dev 0.8651
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

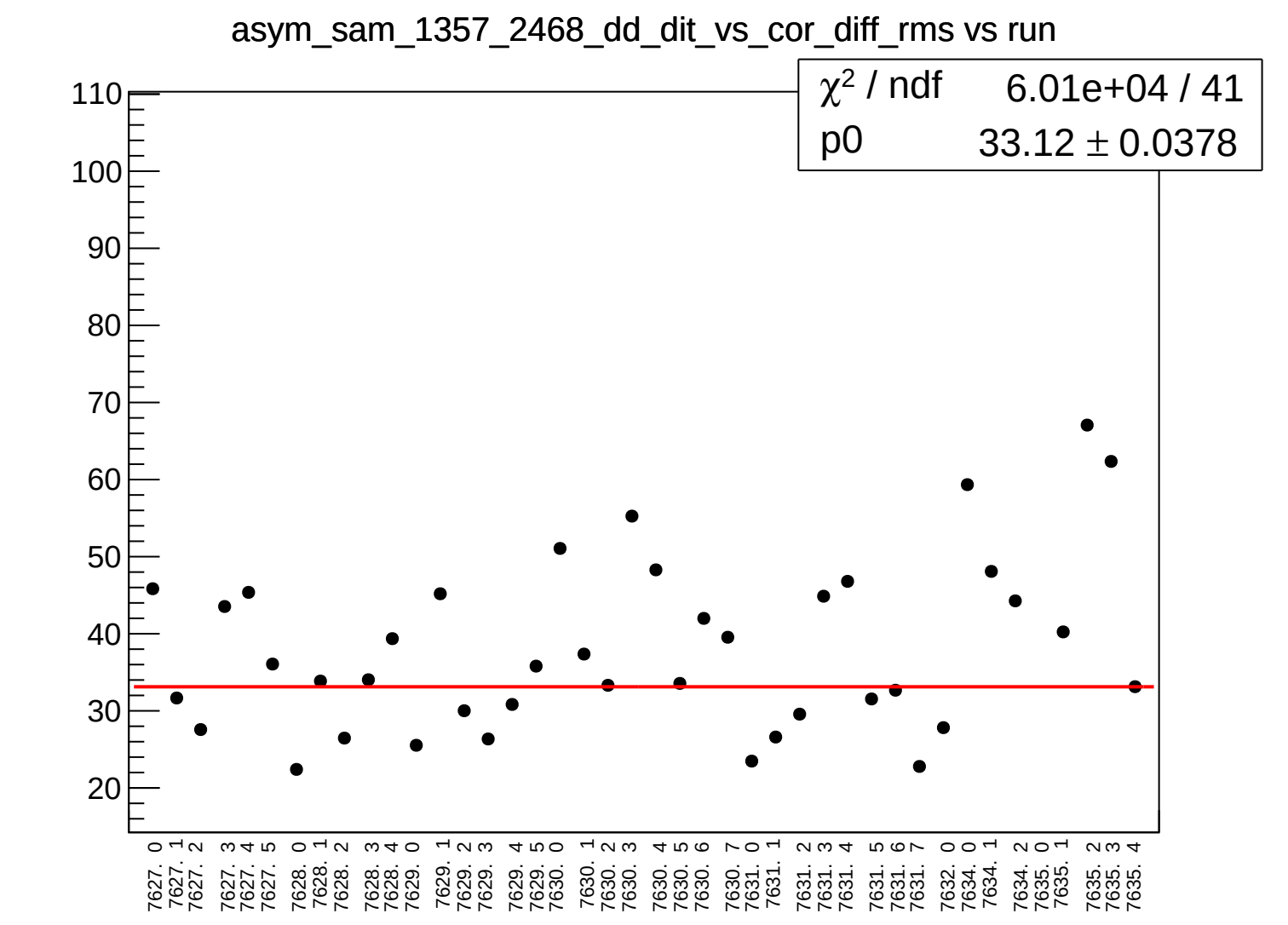

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.462e+04 / 41
p0 820 ± 0.9093
1200
1100
1000
900
800
700
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

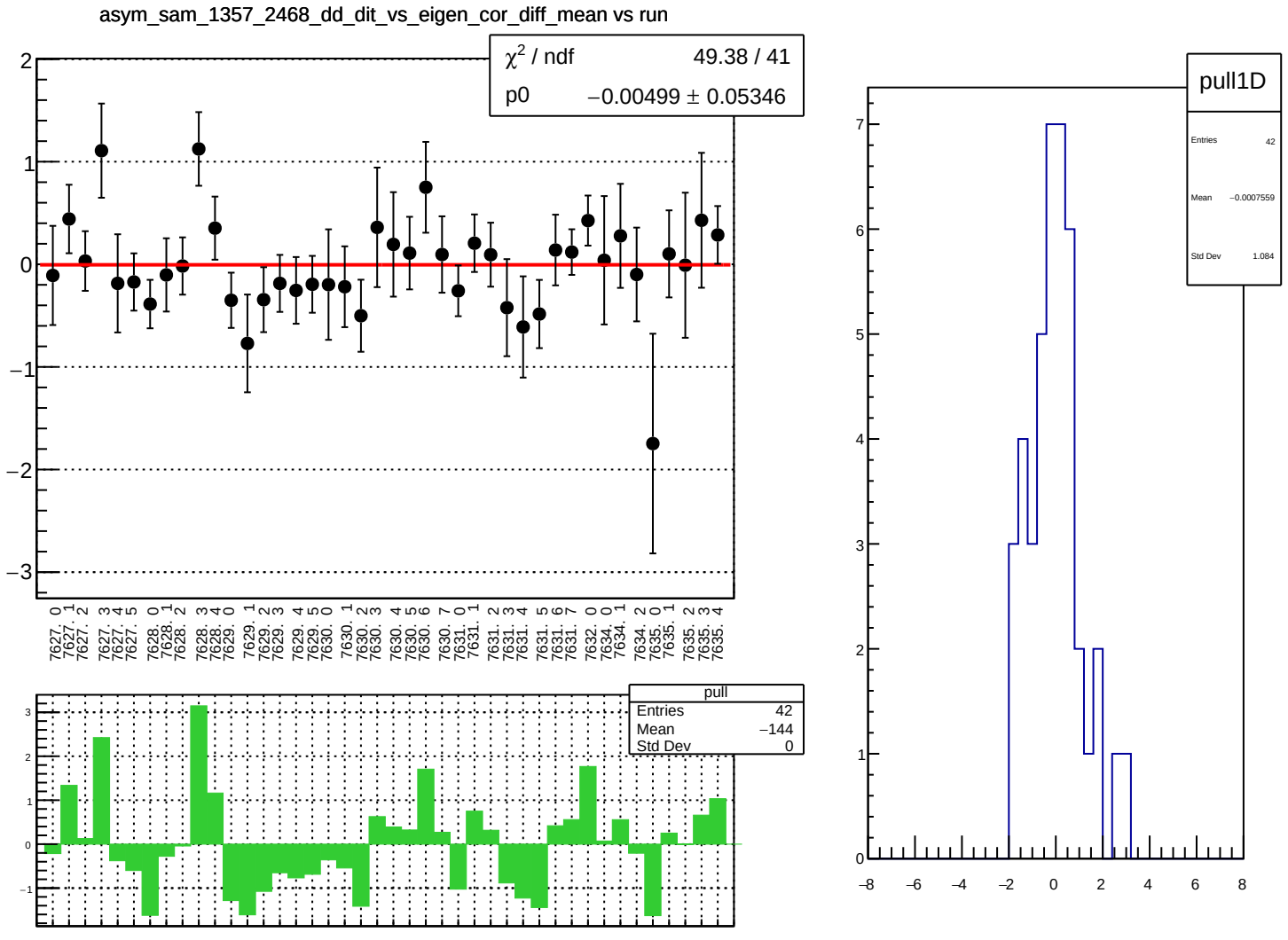

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 35.55 / 41
p0 5.669e−13 ± 3.262e−13
0.005
0.004
0.003
0.002
0.001
0
−0.001
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 39.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.05931
Std Dev 0.9181
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

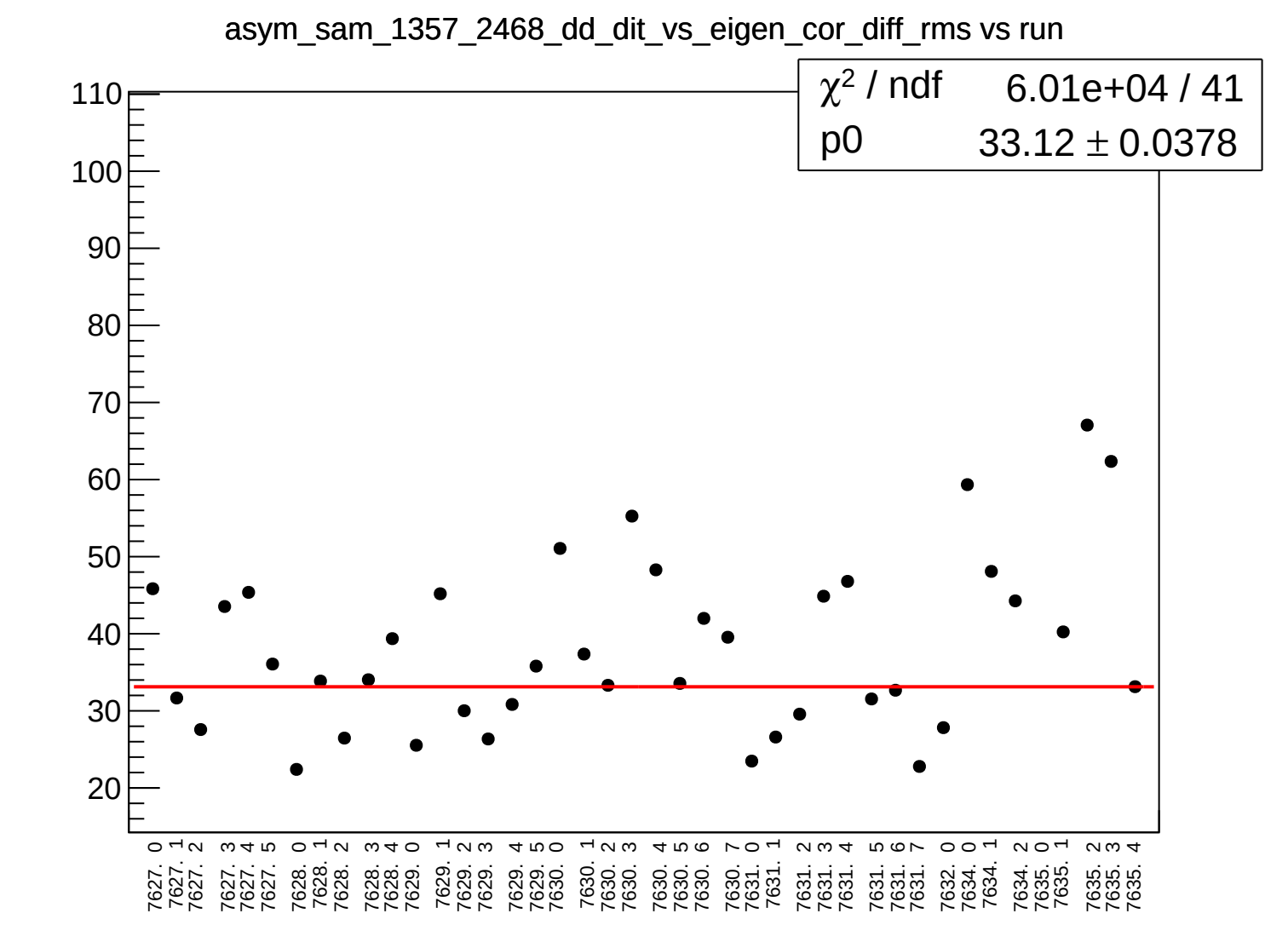

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.169e+05 / 41
p0 1.478e−10 ± 2.306e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

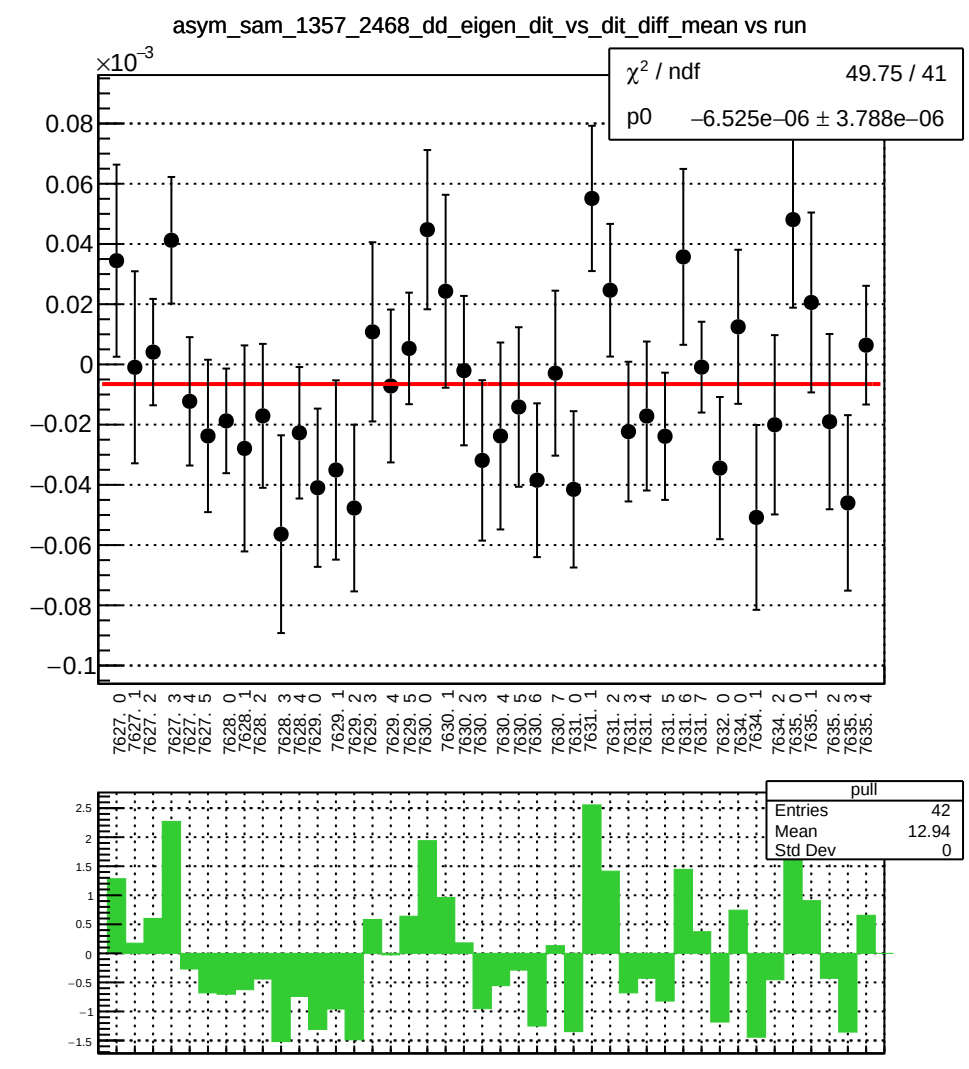

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.38 / 41
p0 −0.00499 ± 0.05346
pull
Entries 42
Mean −144
Std Dev 0

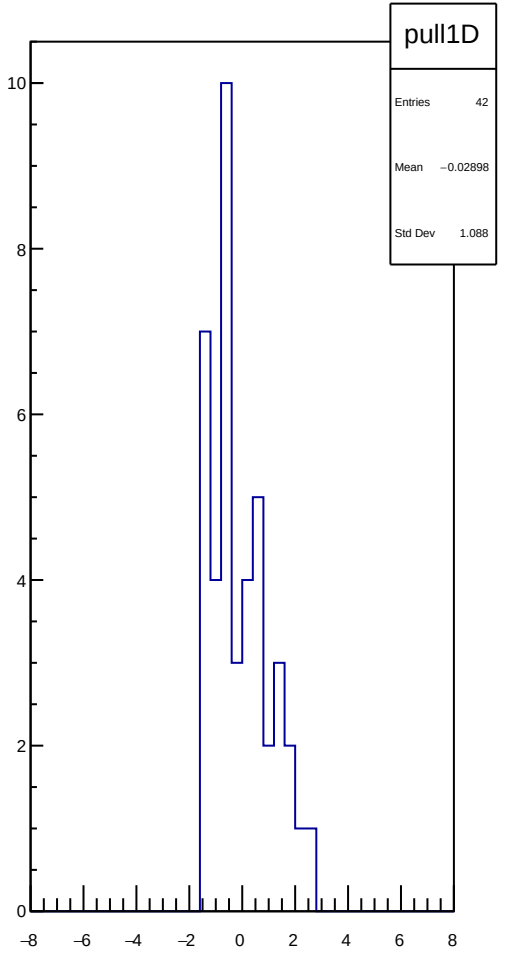

pull1D
Entries 42
Mean −0.0007559
Std Dev 1.084

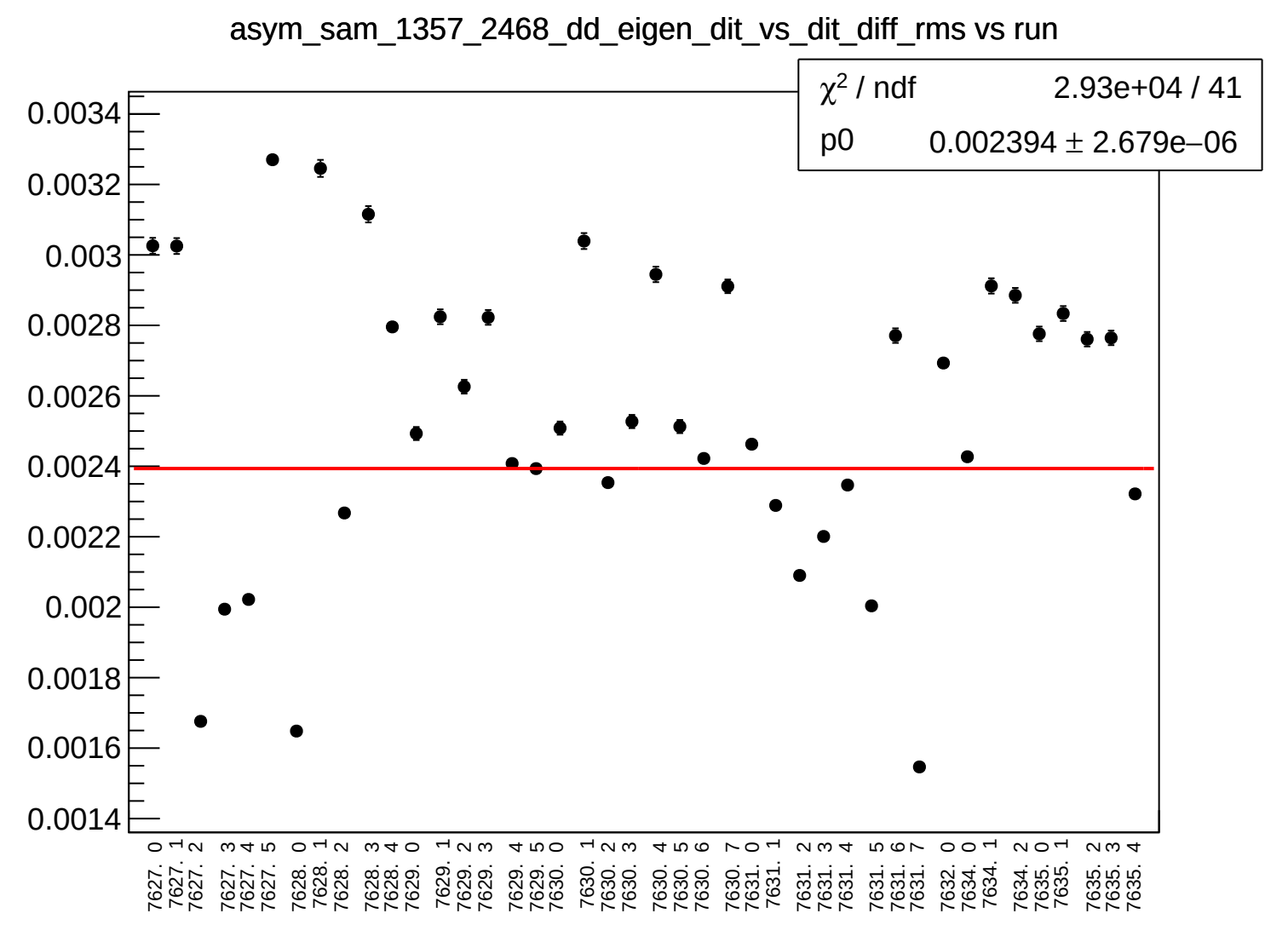

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.01e+04 / 41
p0 33.12 ± 0.0378
110
100
90
80
70
60
50
40
30
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

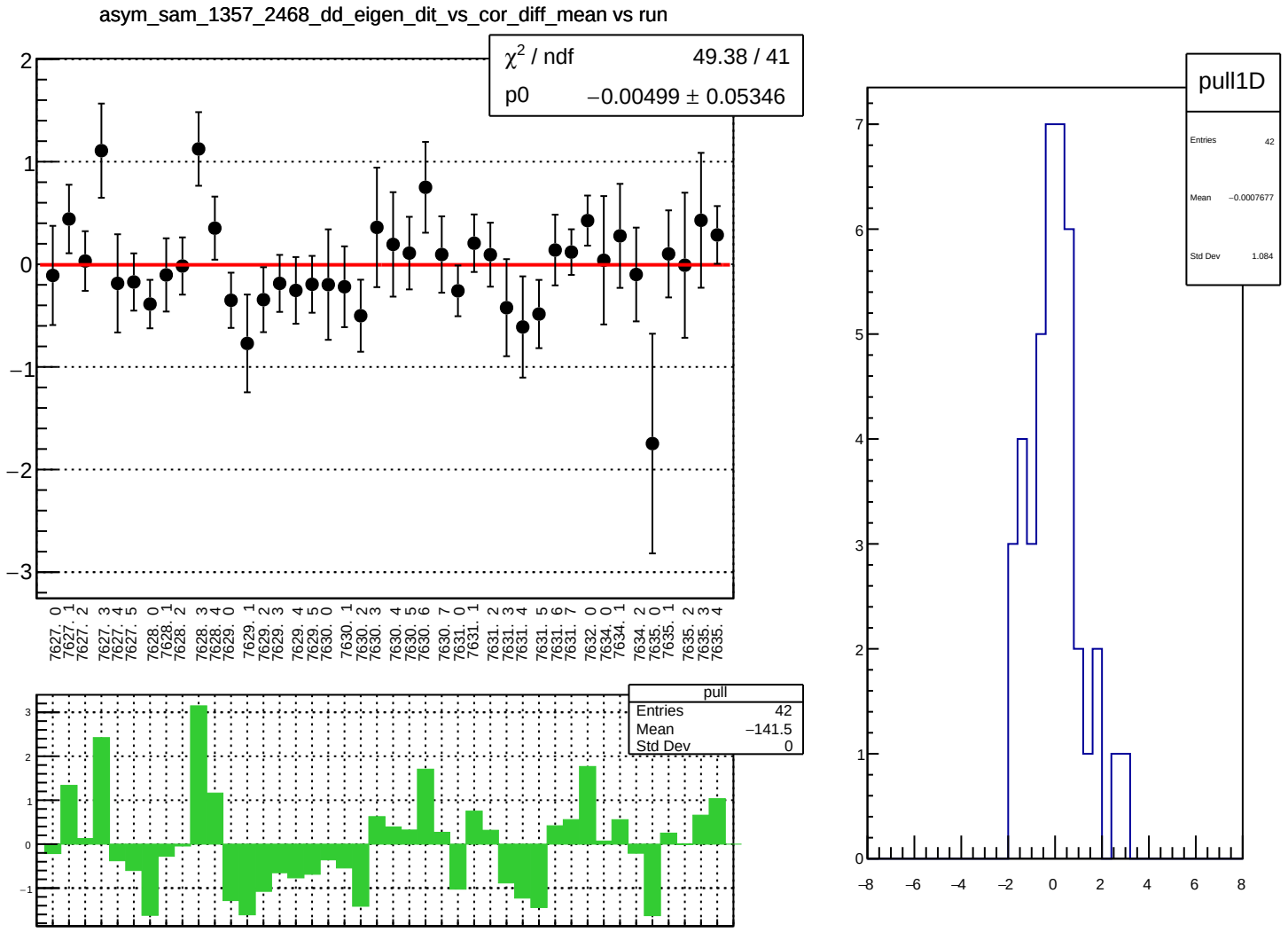

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.38 / 41
p0 −0.00499 ± 0.05346
pull
Entries 42
Mean −144
Std Dev 0
pull1D
Entries 42
Mean −0.0007559
Std Dev 1.084

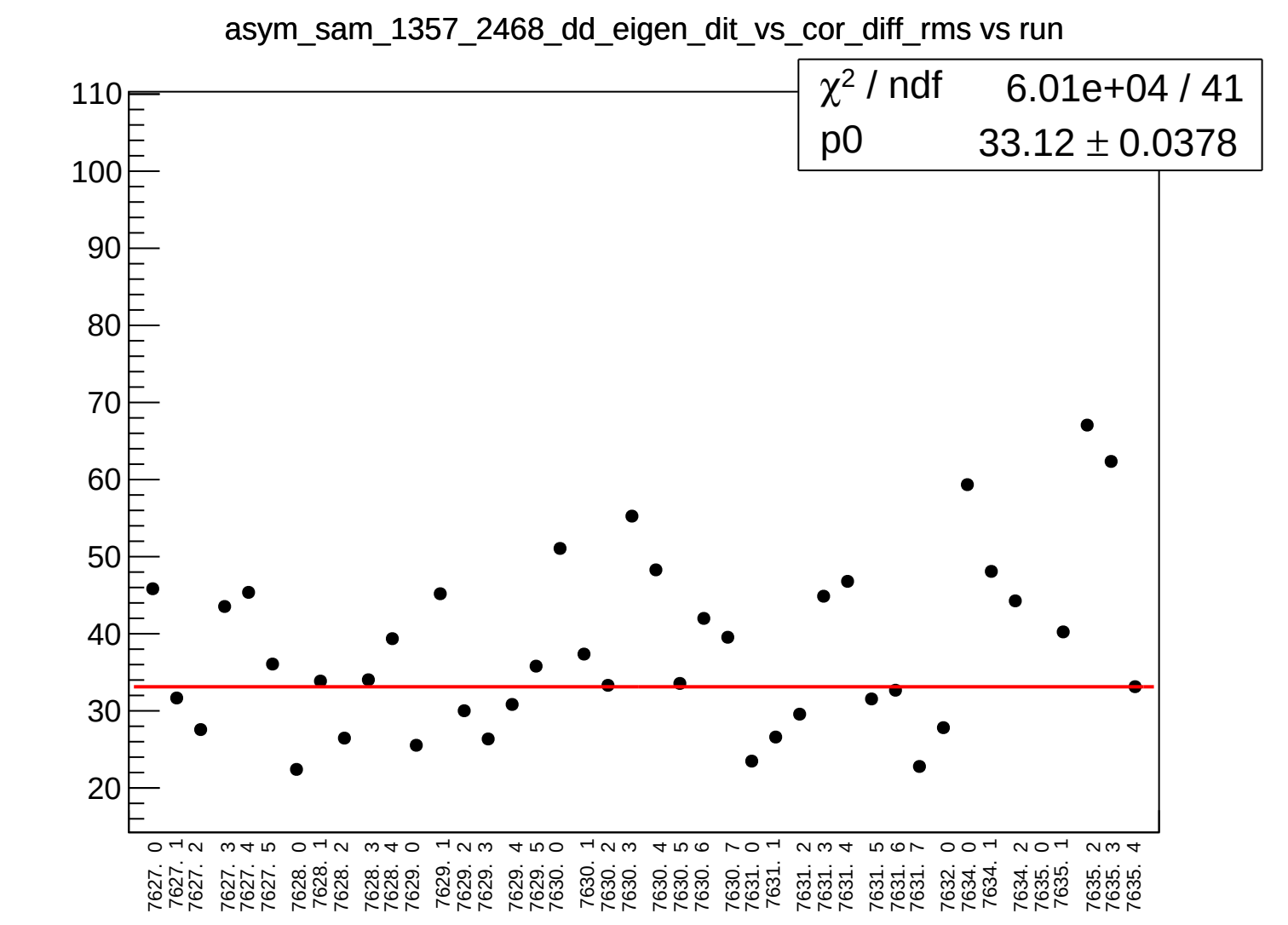

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.01e+04 / 41
p0 33.12 ± 0.0378
110
100
90
80
70
60
50
40
30
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

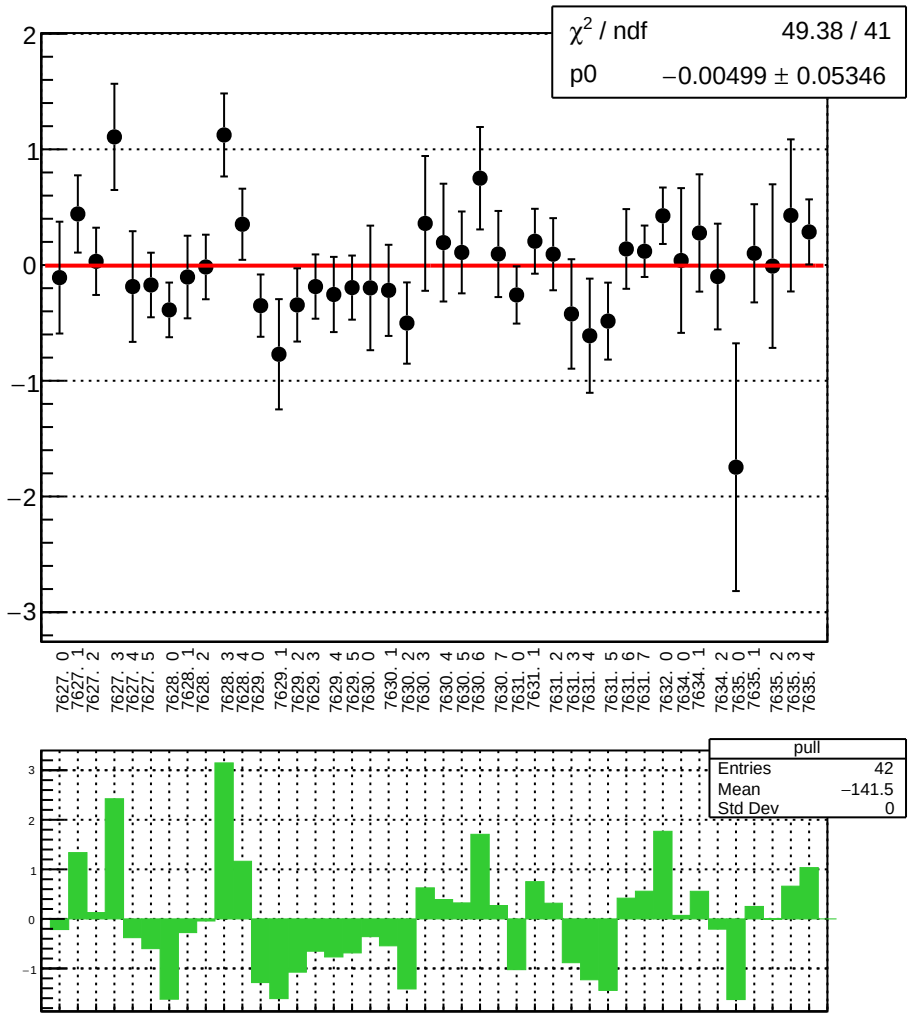

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.75 / 41
p0 −6.525e−06 ± 3.788e−06
pull
Entries 42
Mean 12.94
Std Dev 0

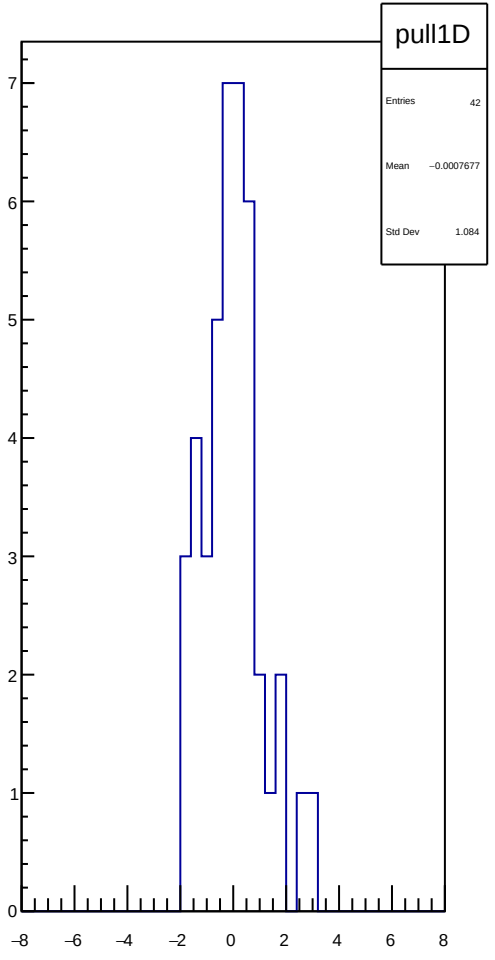

pull1D
Entries 42
Mean −0.02898
Std Dev 1.088

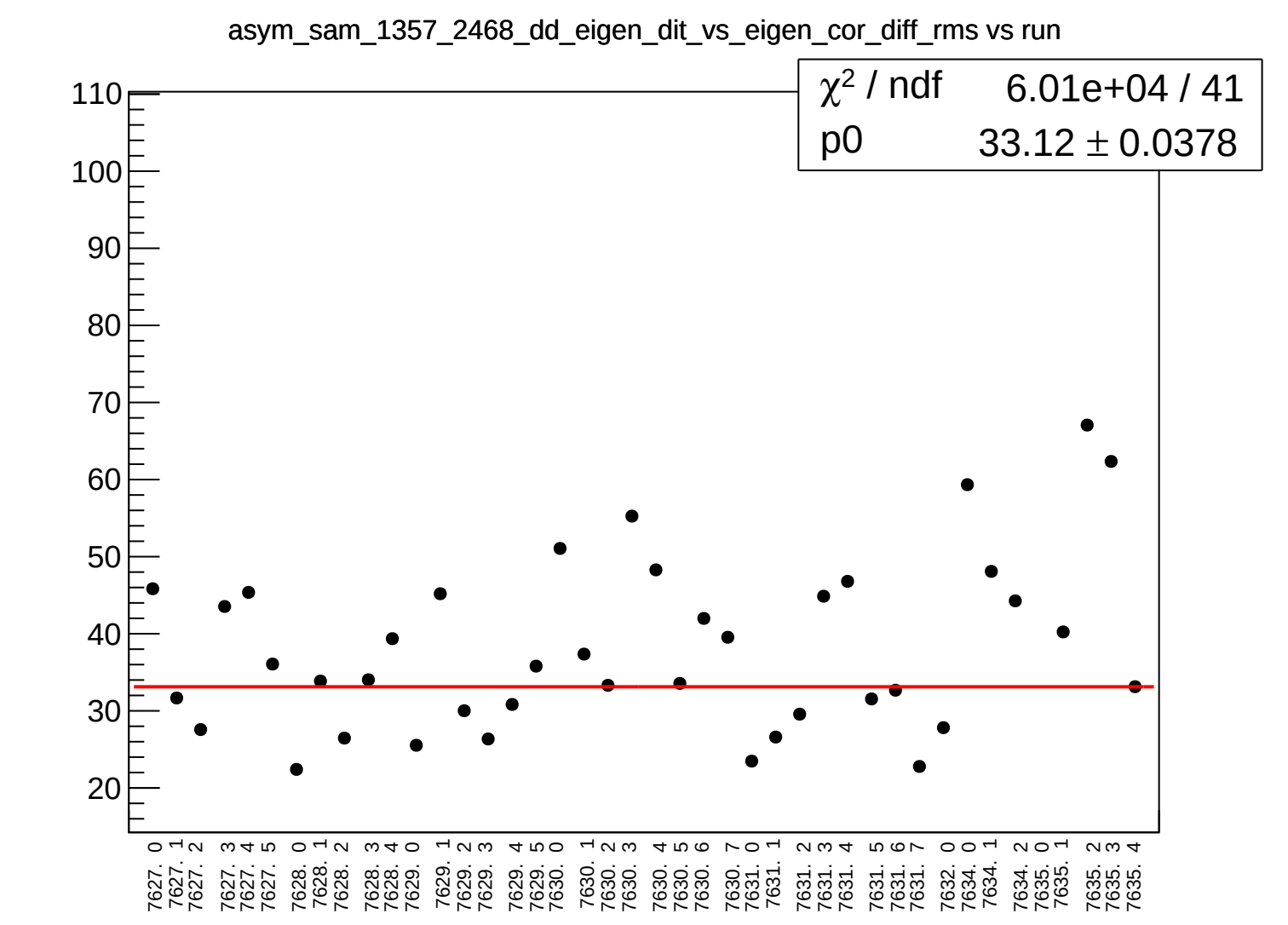

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.93e+04 / 41
p0 0.002394 ± 2.679e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

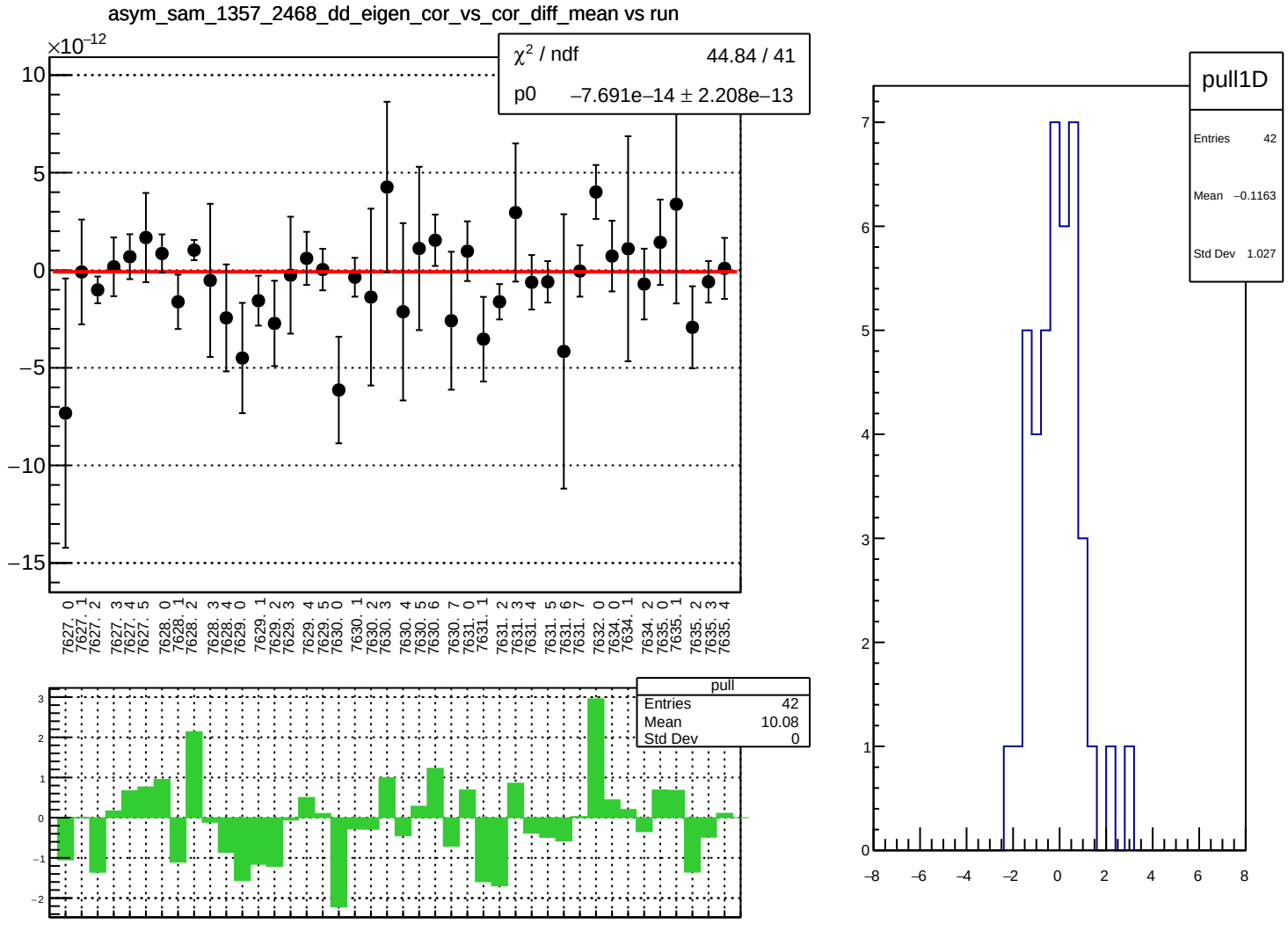

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.38 / 41
p0 −0.00499 ± 0.05346
pull
Entries 42
Mean −141.5
Std Dev 0
pull1D
Entries 42
Mean −0.0007677
Std Dev 1.084

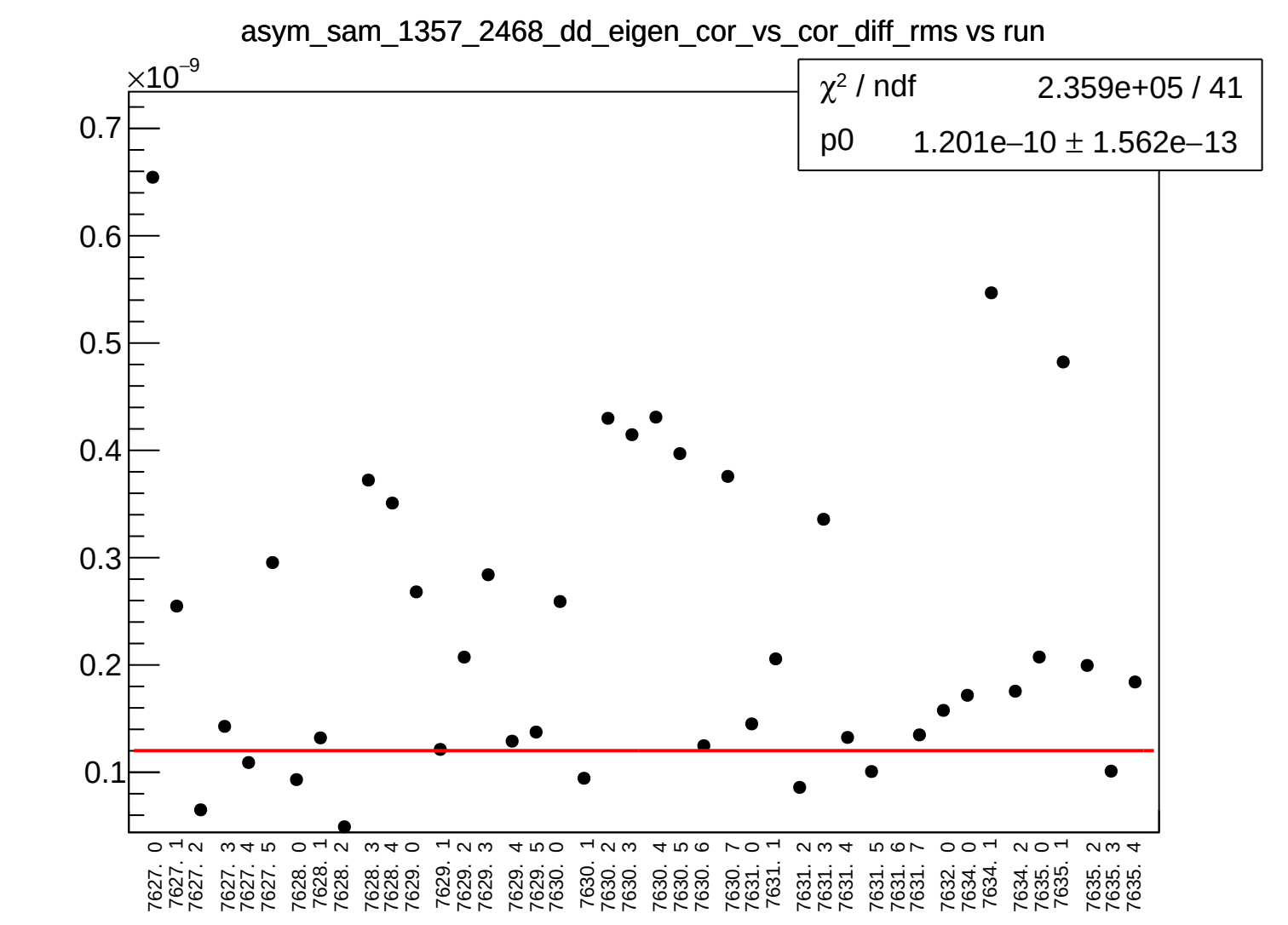

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.01e+04 / 41
p0 33.12 ± 0.0378
110
100
90
80
70
60
50
40
30
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

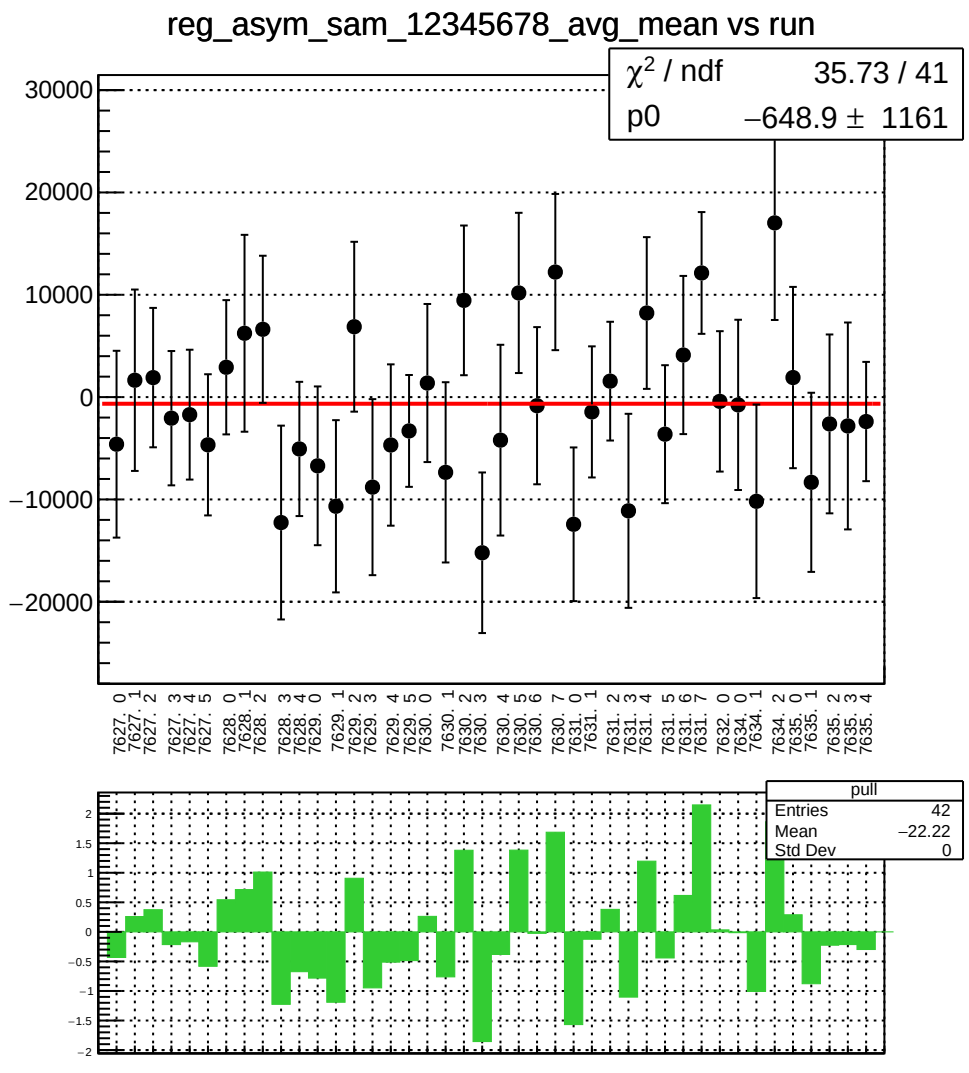

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.38 / 41
p0 −0.00499 ± 0.05346
pull
Entries 42
Mean −141.5
Std Dev 0

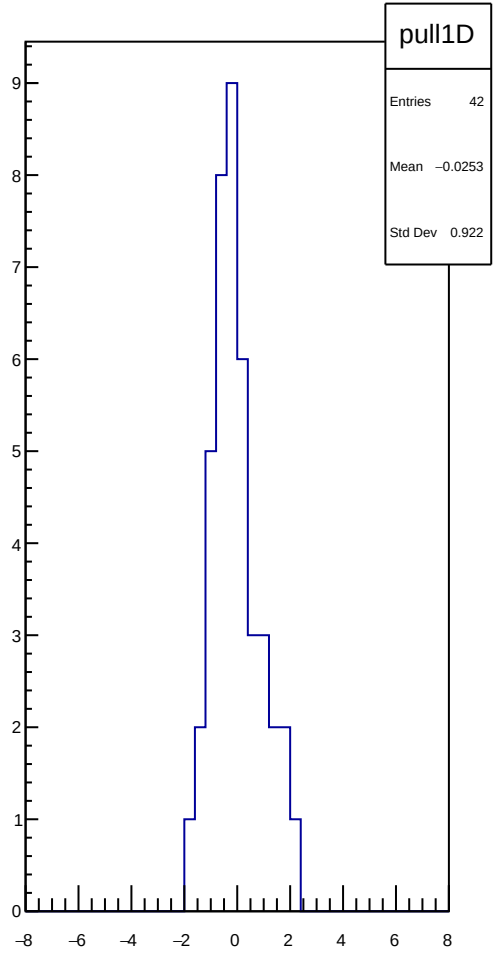

pull1D
Entries 42
Mean −0.0007677
Std Dev 1.084

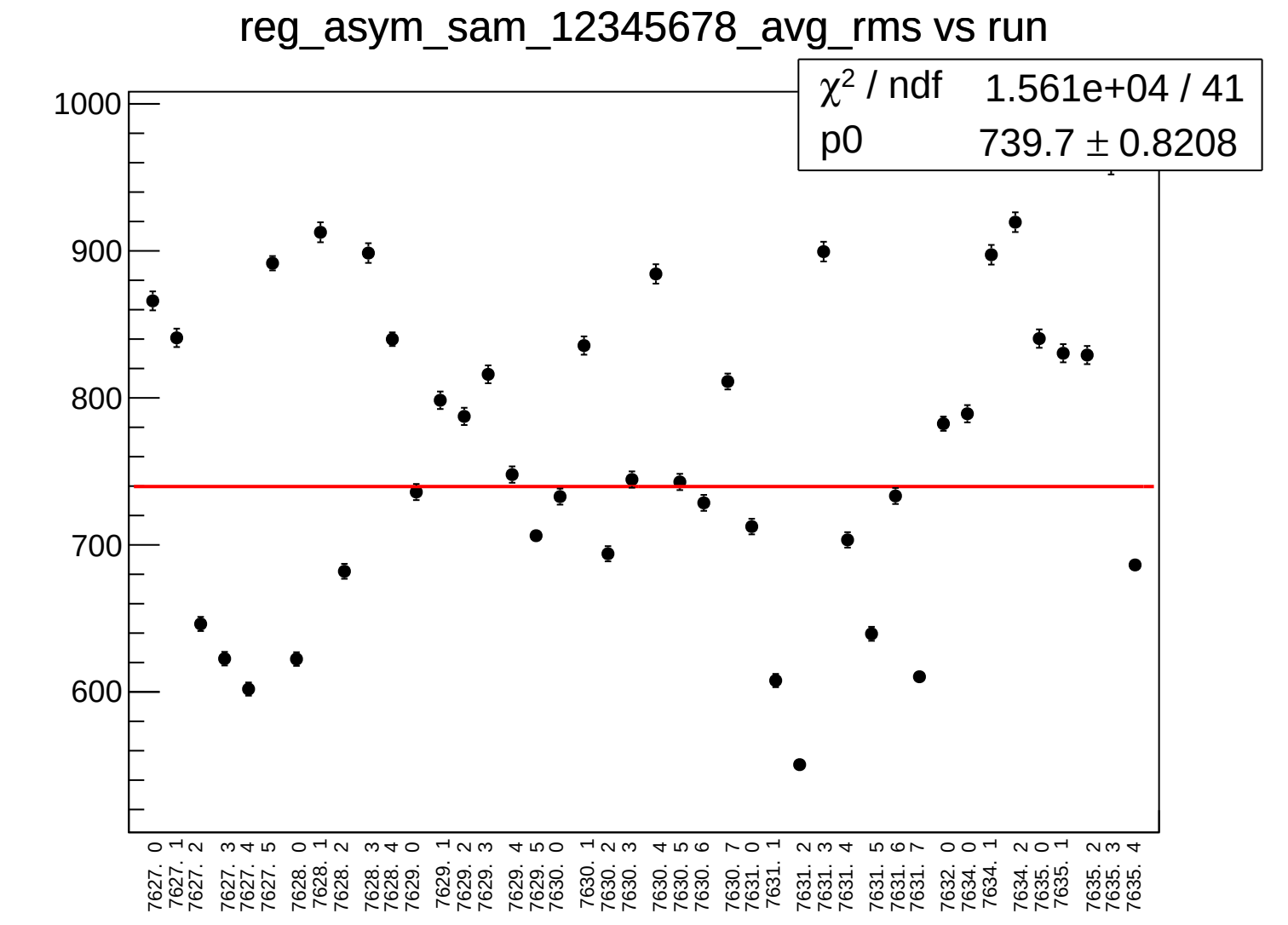

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.01e+04 / 41
p0 33.12 ± 0.0378
110
100
90
80
70
60
50
40
30
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

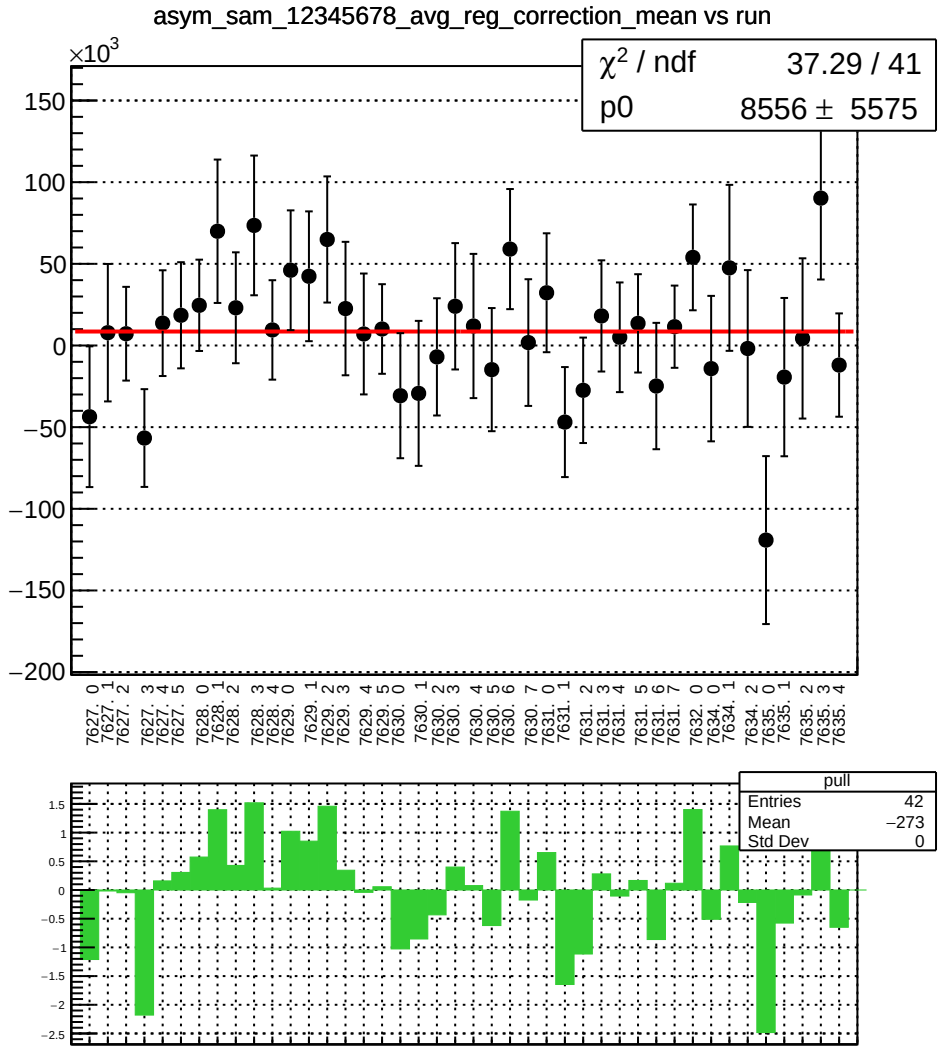

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 44.84 / 41
p0 −7.691e−14 ± 2.208e−13
pull
Entries 42
Mean 10.08
Std Dev 0
pull1D
Entries 42
Mean −0.1163
Std Dev 1.027

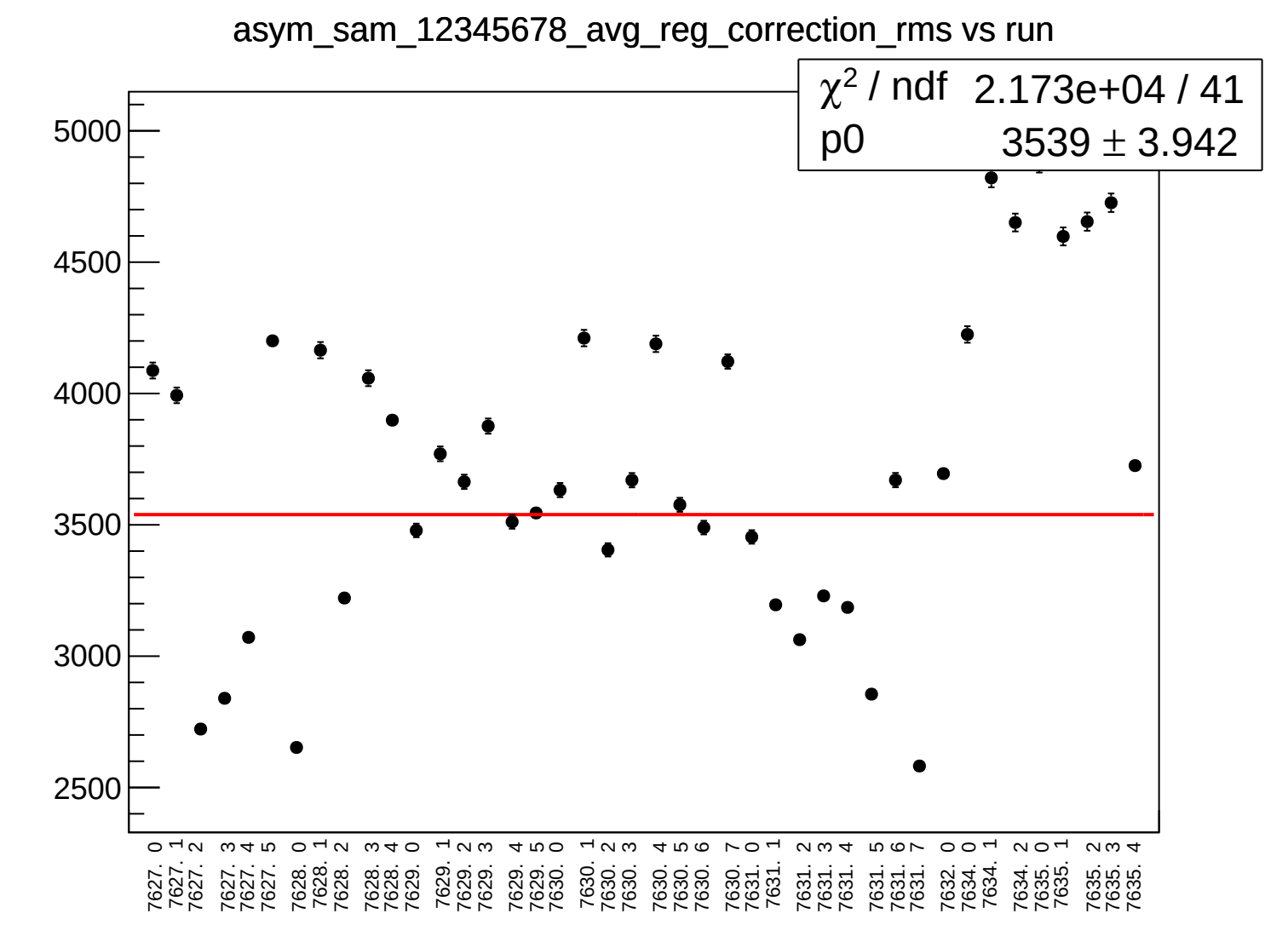

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.359e+05 / 41
p0 1.201e−10 ± 1.562e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

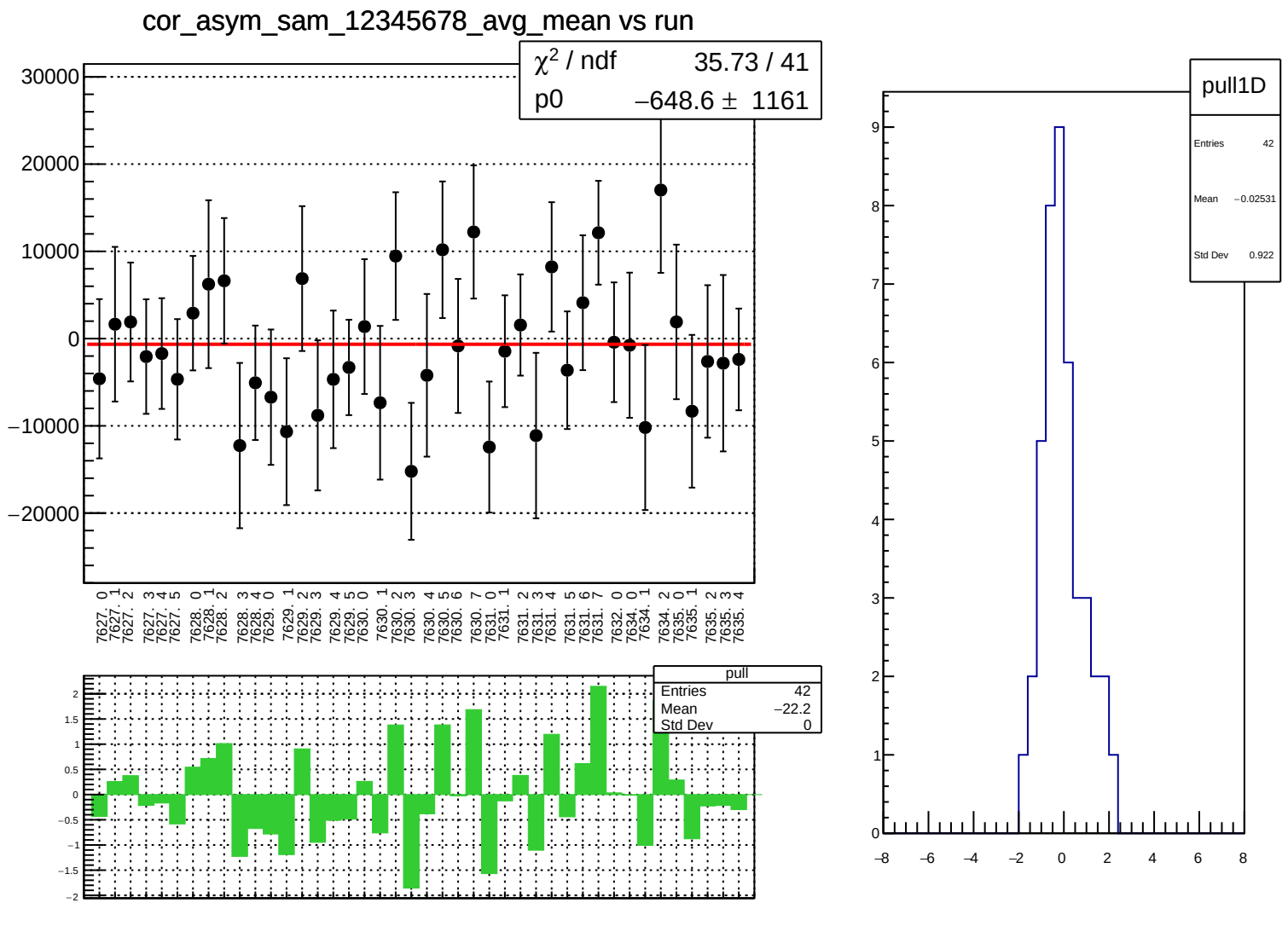

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 35.73 / 41
p0 −648.9 ± 1161
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

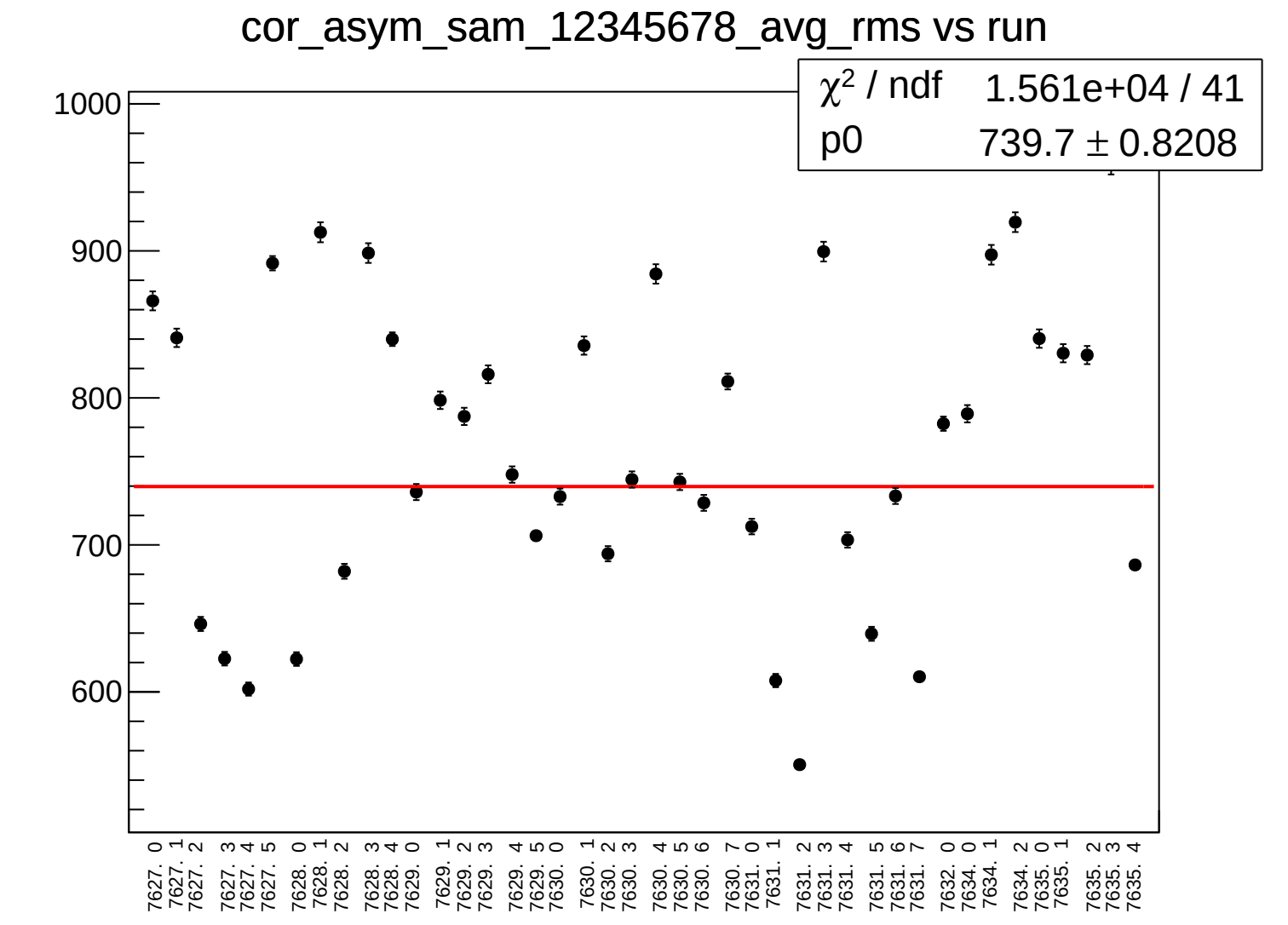

pull1D
Entries 42
Mean −0.0253
Std Dev 0.922
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

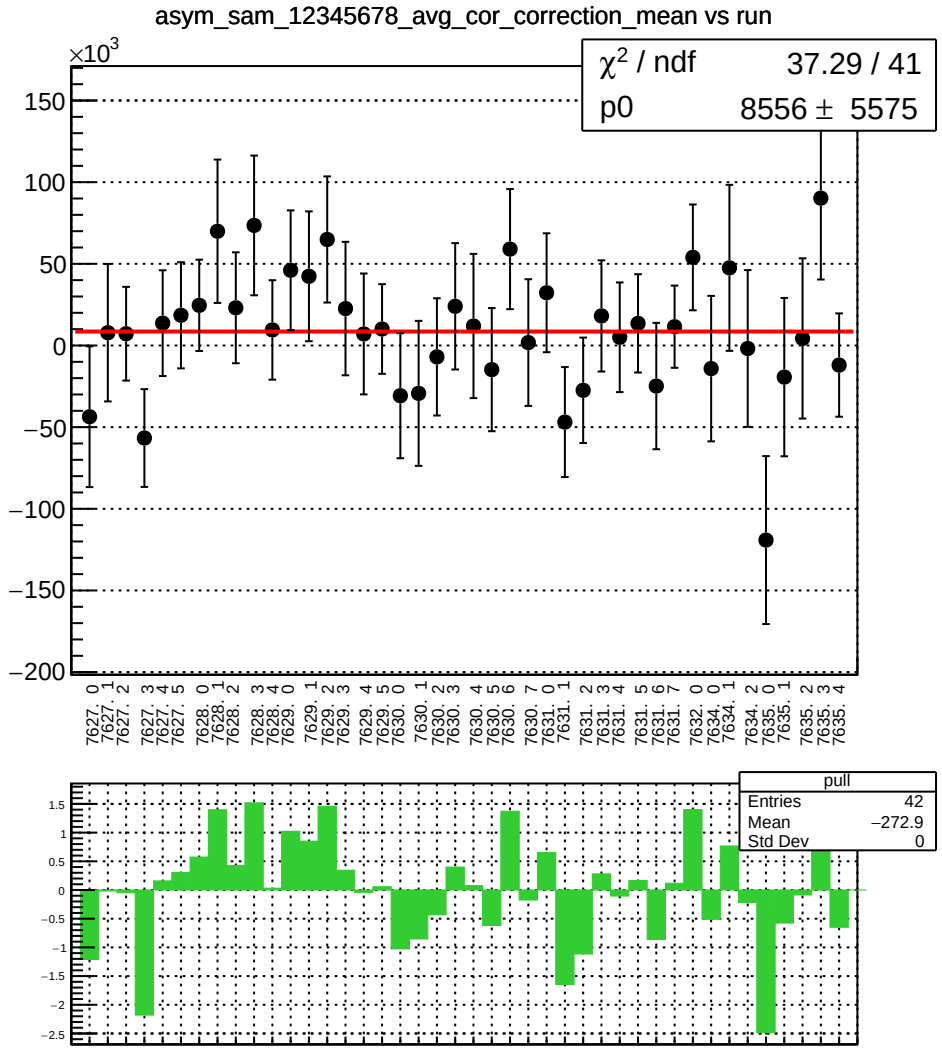

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.561e+04 / 41
p0 739.7 ± 0.8208
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

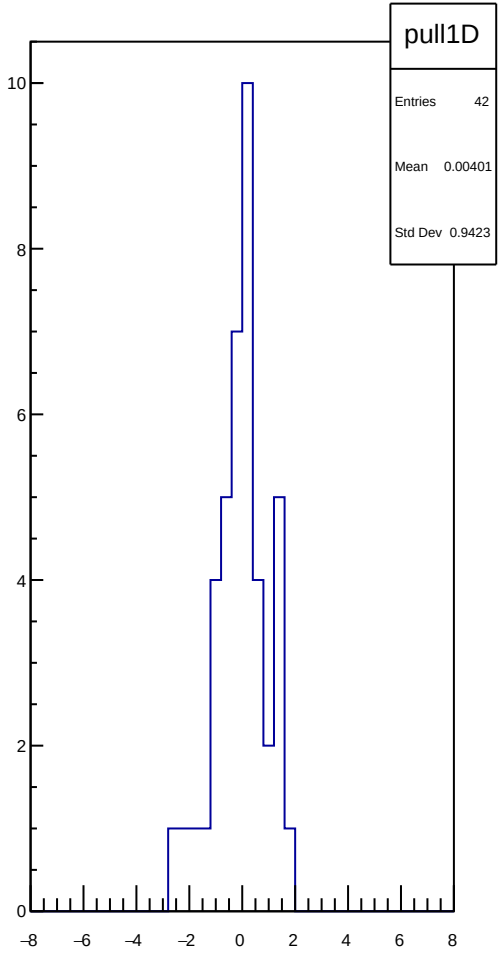

asym_sam_12345678_avg_reg_correction_mean vs run
×10^3
χ² / ndf 37.29 / 41
p0 8556 ± 5575
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −273
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.00401
Std Dev 0.9423
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

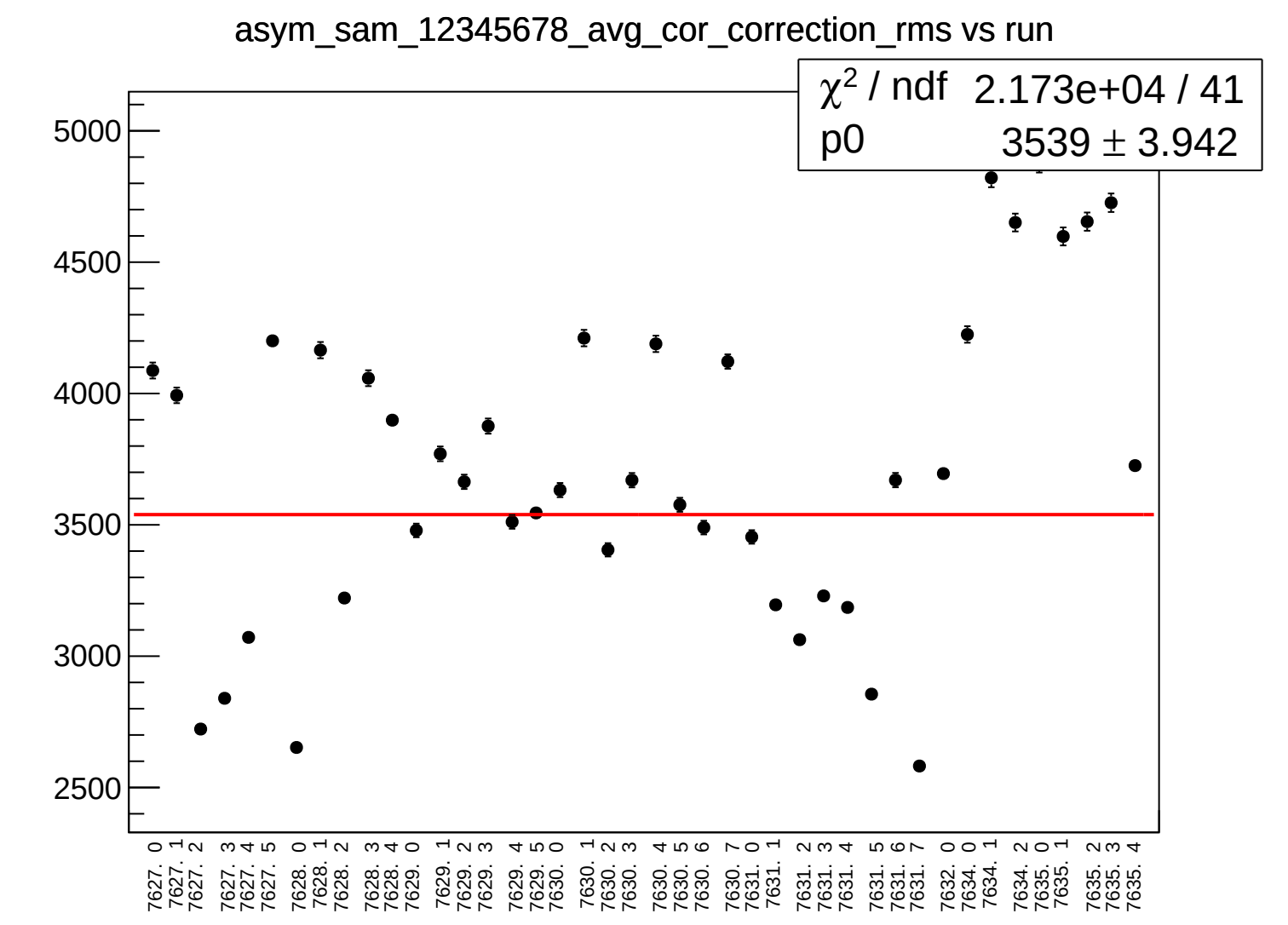

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 2.173e+04 / 41
p0 3539 ± 3.942
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

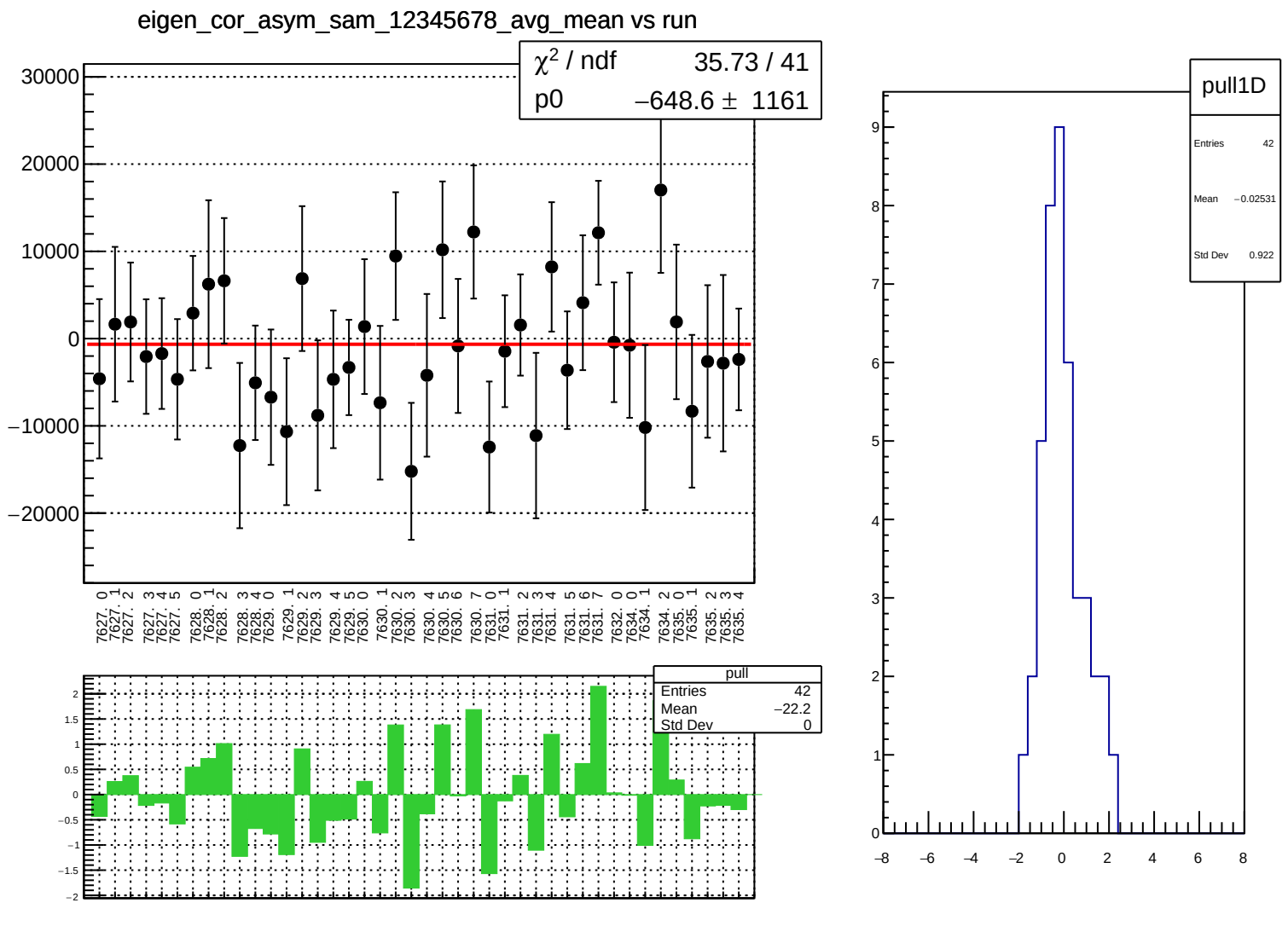

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 35.73 / 41
p0 −648.6 ± 1161
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02531
Std Dev 0.922
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

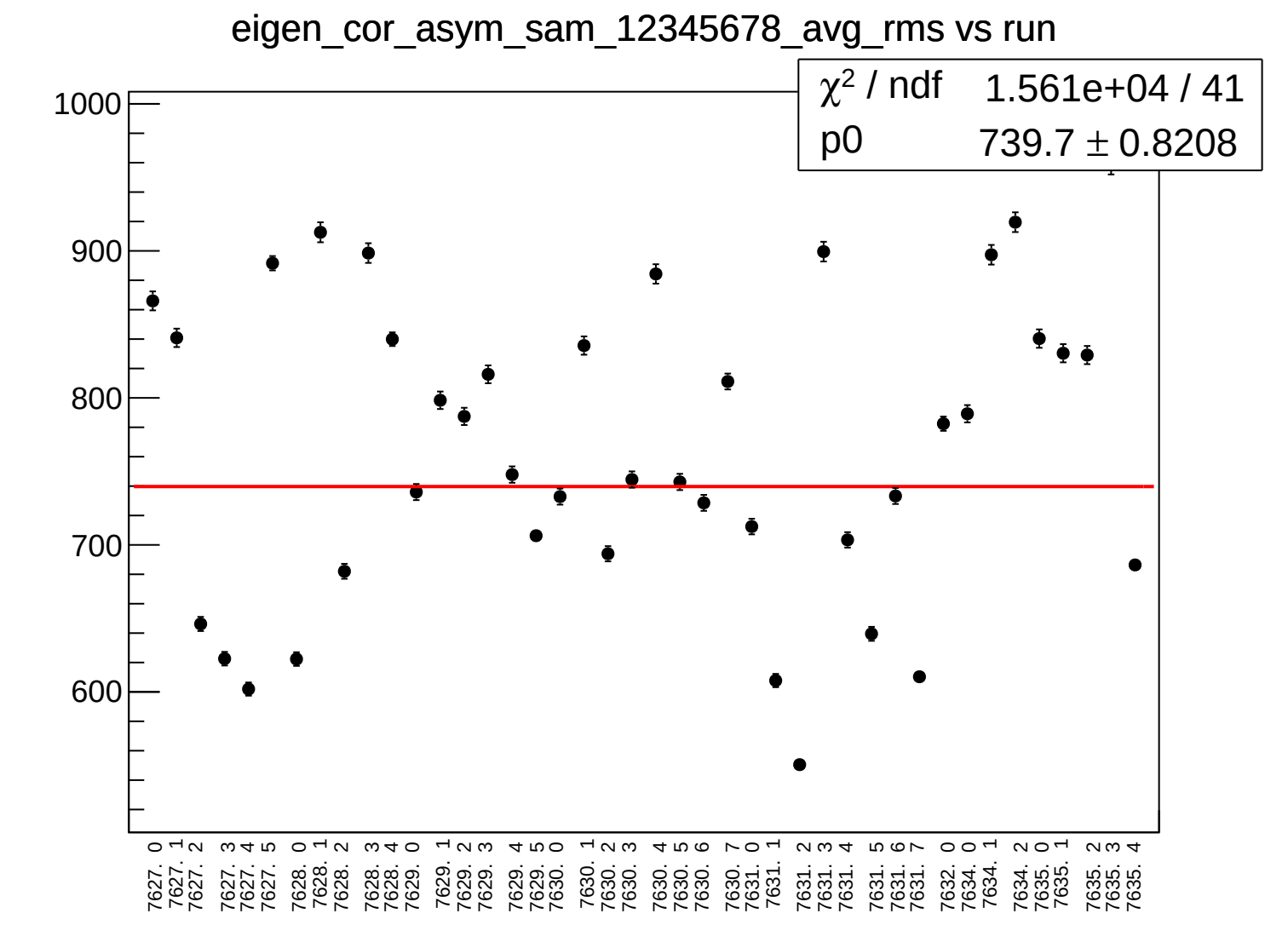

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.561e+04 / 41
p0 739.7 ± 0.8208
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

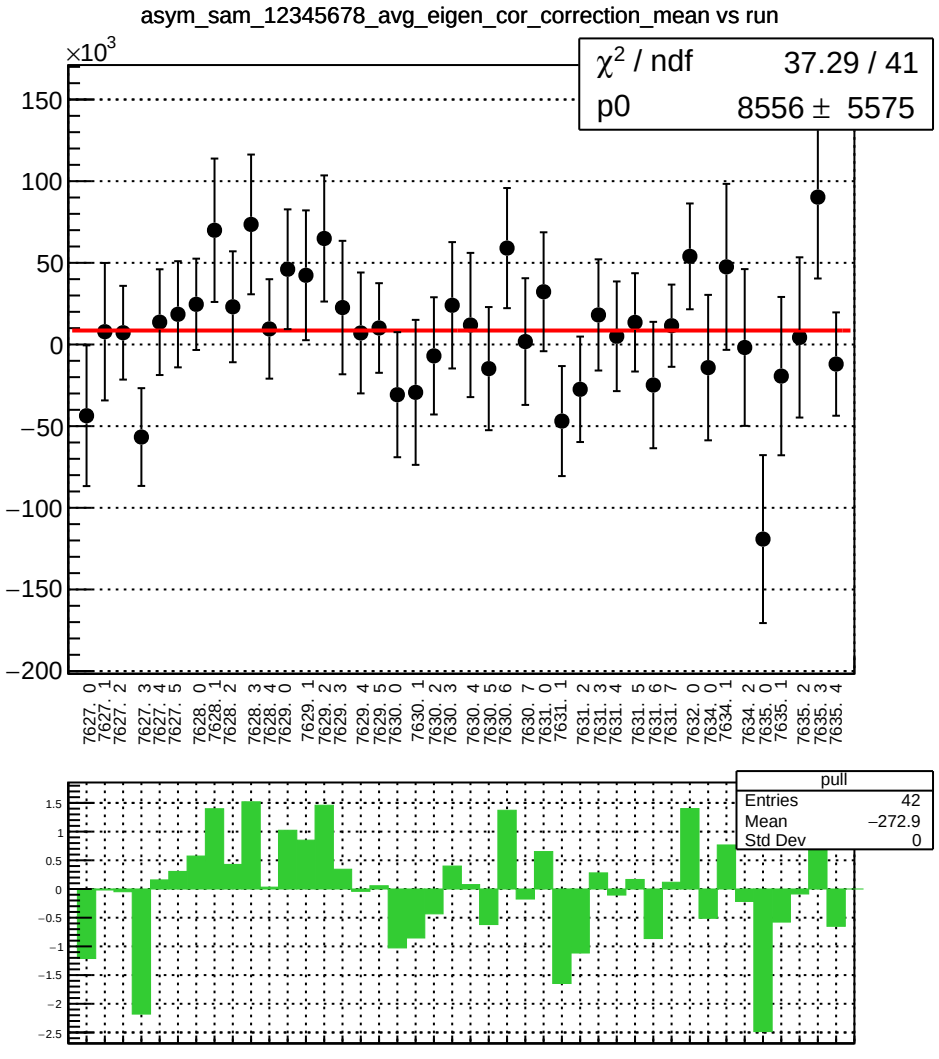

asym_sam_12345678_avg_cor_correction_mean vs run
×10^3
χ² / ndf 37.29 / 41
p0 8556 ± 5575
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −272.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

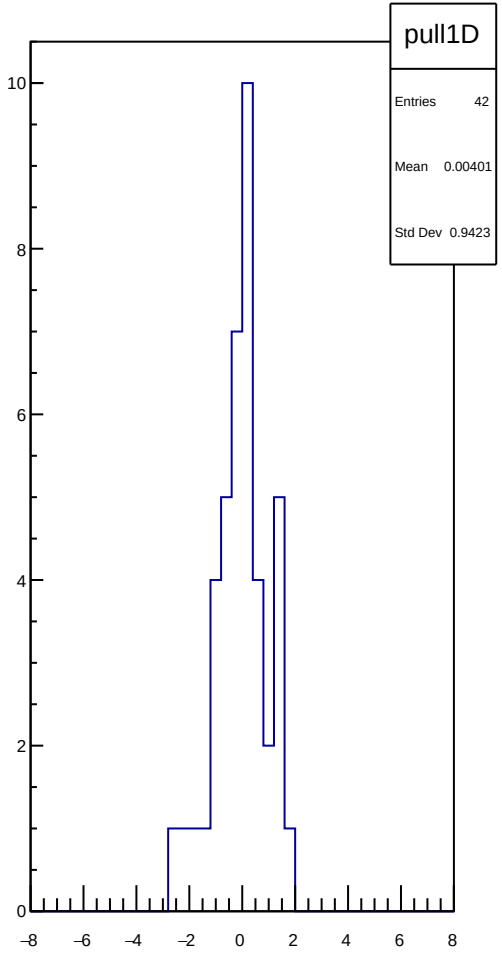

pull1D
Entries 42
Mean 0.00401
Std Dev 0.9423
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

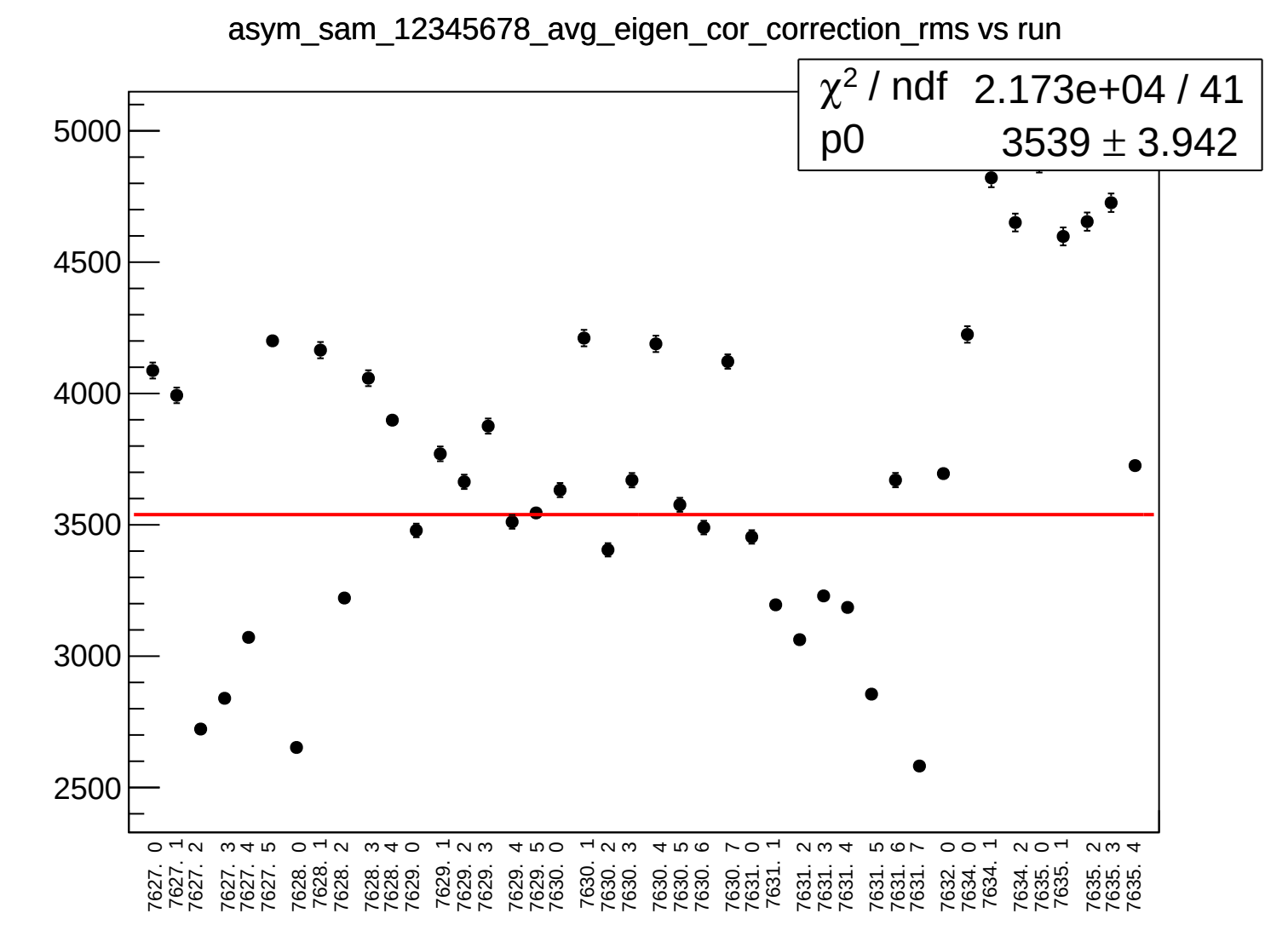

asym_sam_12345678_avg_cor_correction_rms vs run
χ^2 / ndf 2.173e+04 / 41
p0 3539 ± 3.942
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

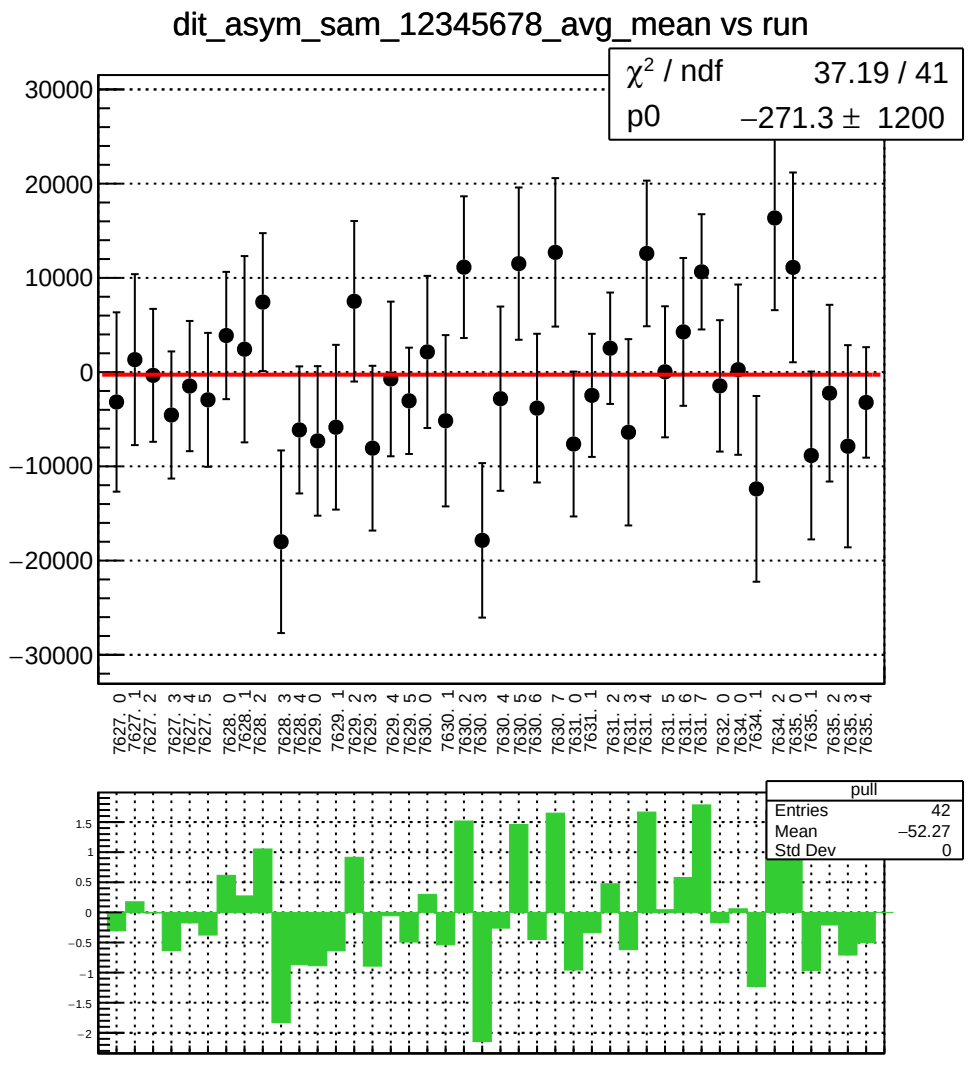

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 35.73 / 41
p0 −648.6 ± 1161
30000
20000
10000
0
−10000
−20000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.02531
Std Dev 0.922
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

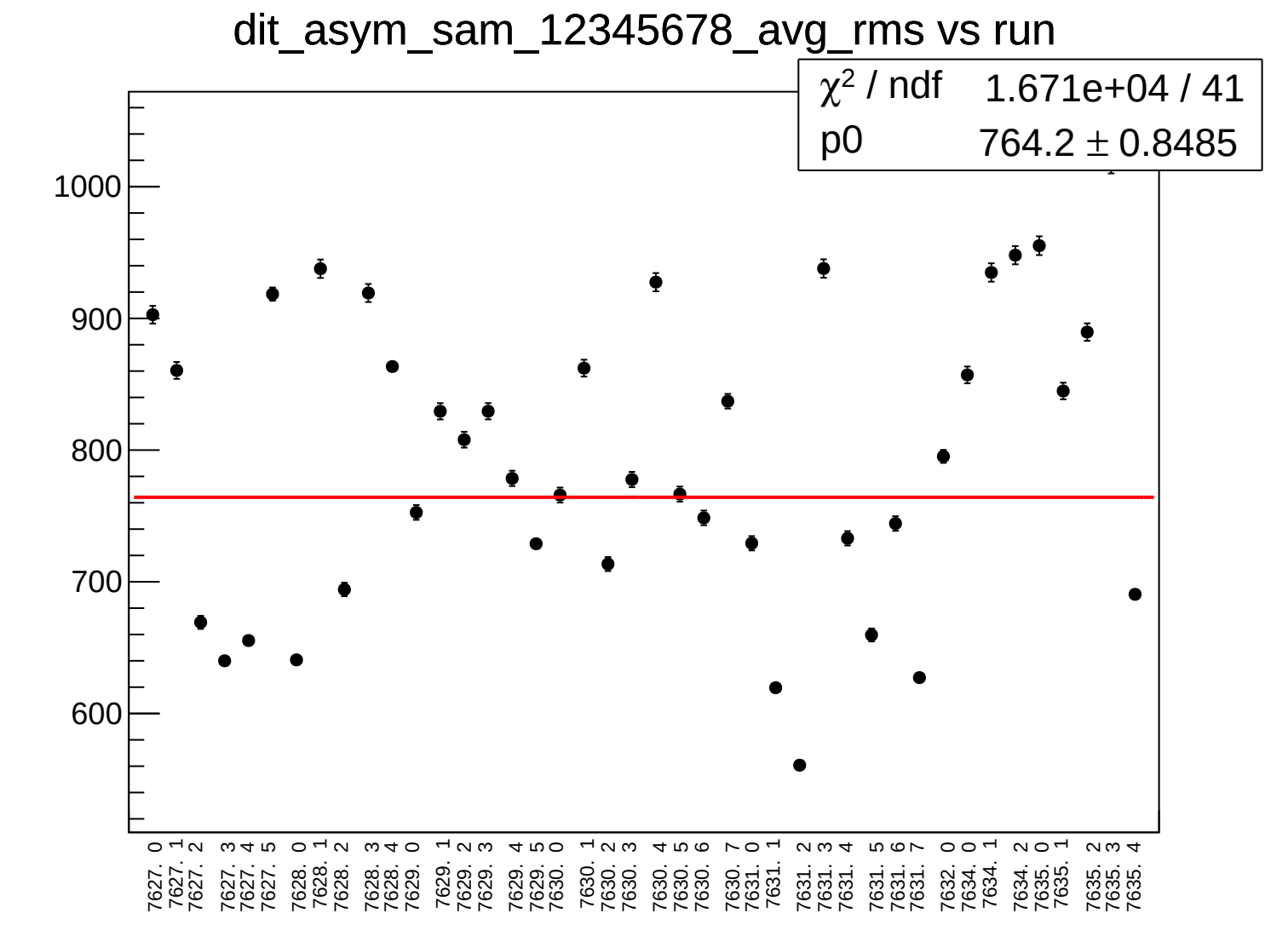

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.561e+04 / 41
p0 739.7 ± 0.8208
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

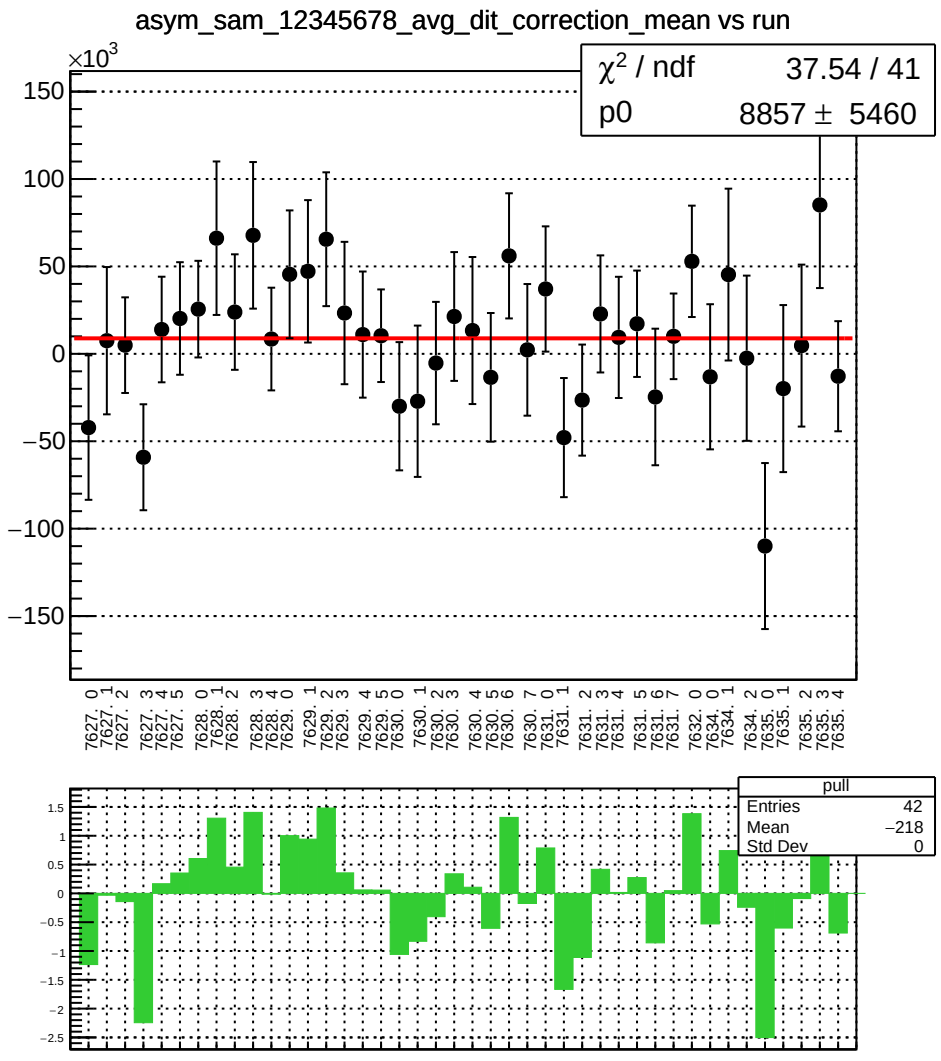

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 37.29 / 41
p0 8556 ± 5575
150
100
50
0
−50
−100
−150
−200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −272.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

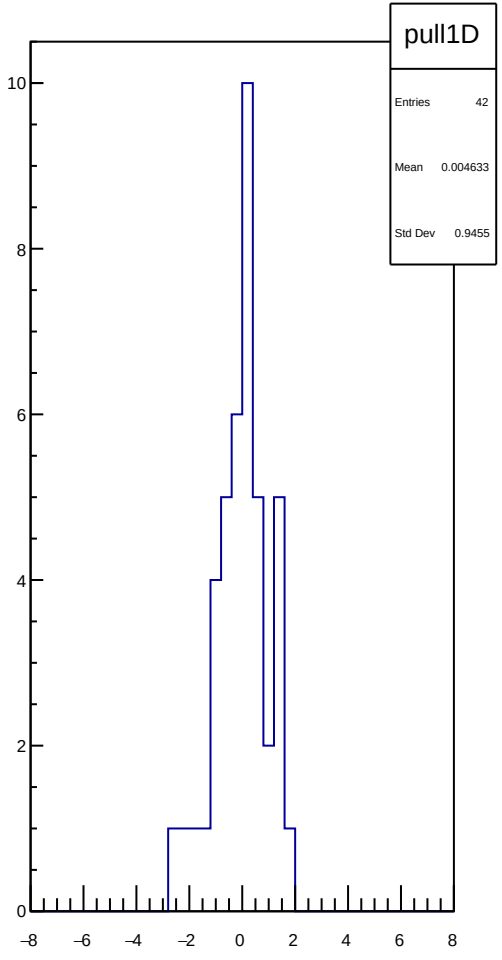

pull1D
Entries 42
Mean 0.00401
Std Dev 0.9423
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

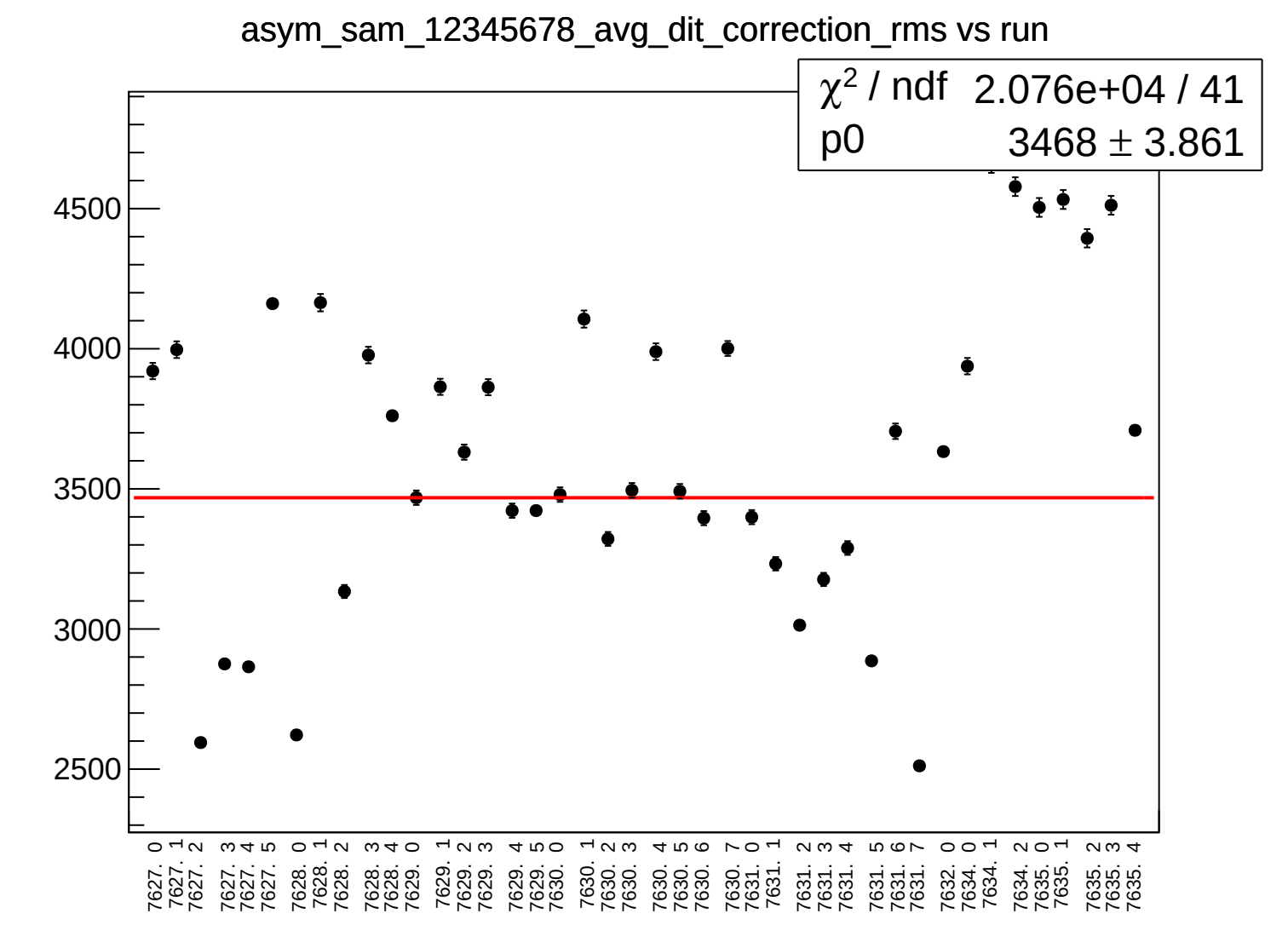

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.173e+04 / 41
p0 3539 ± 3.942
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

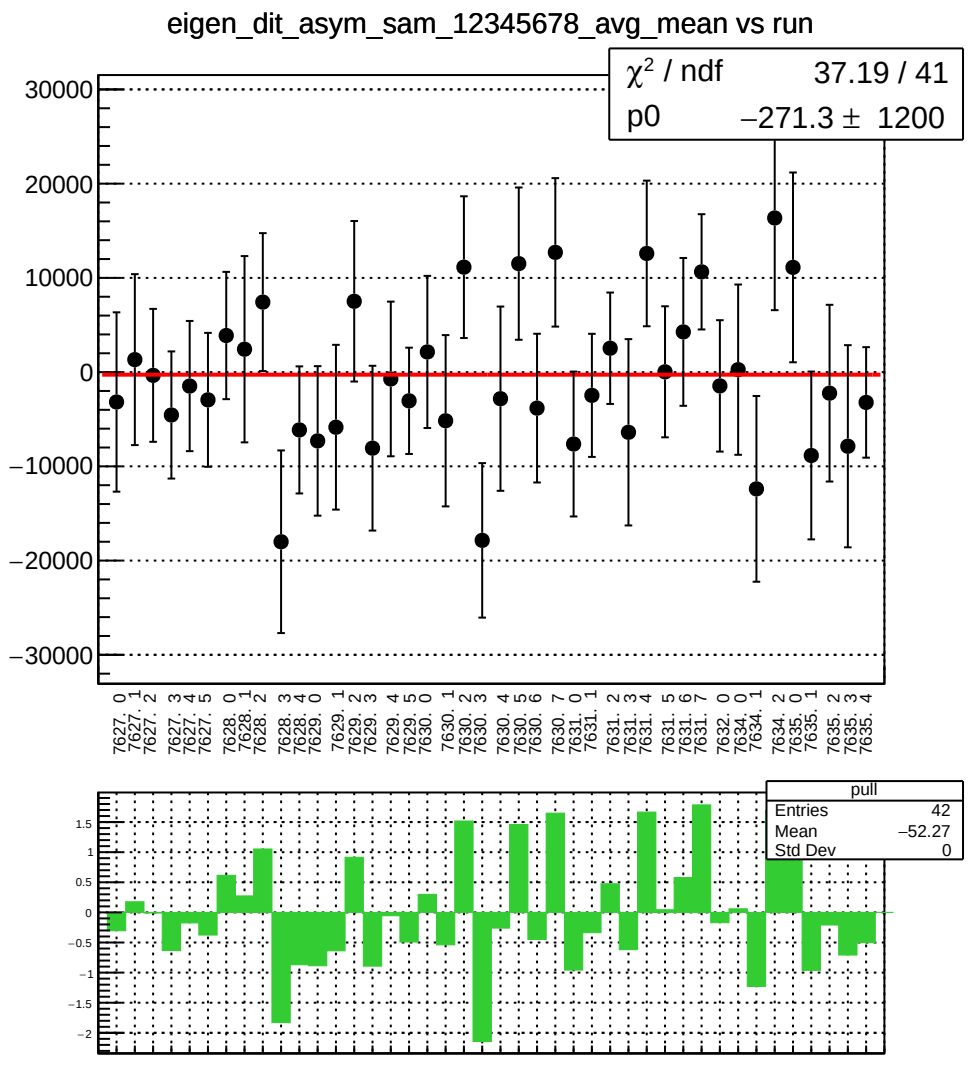

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 37.19 / 41
p0 −271.3 ± 1200
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −52.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.0204
Std Dev 0.9408
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

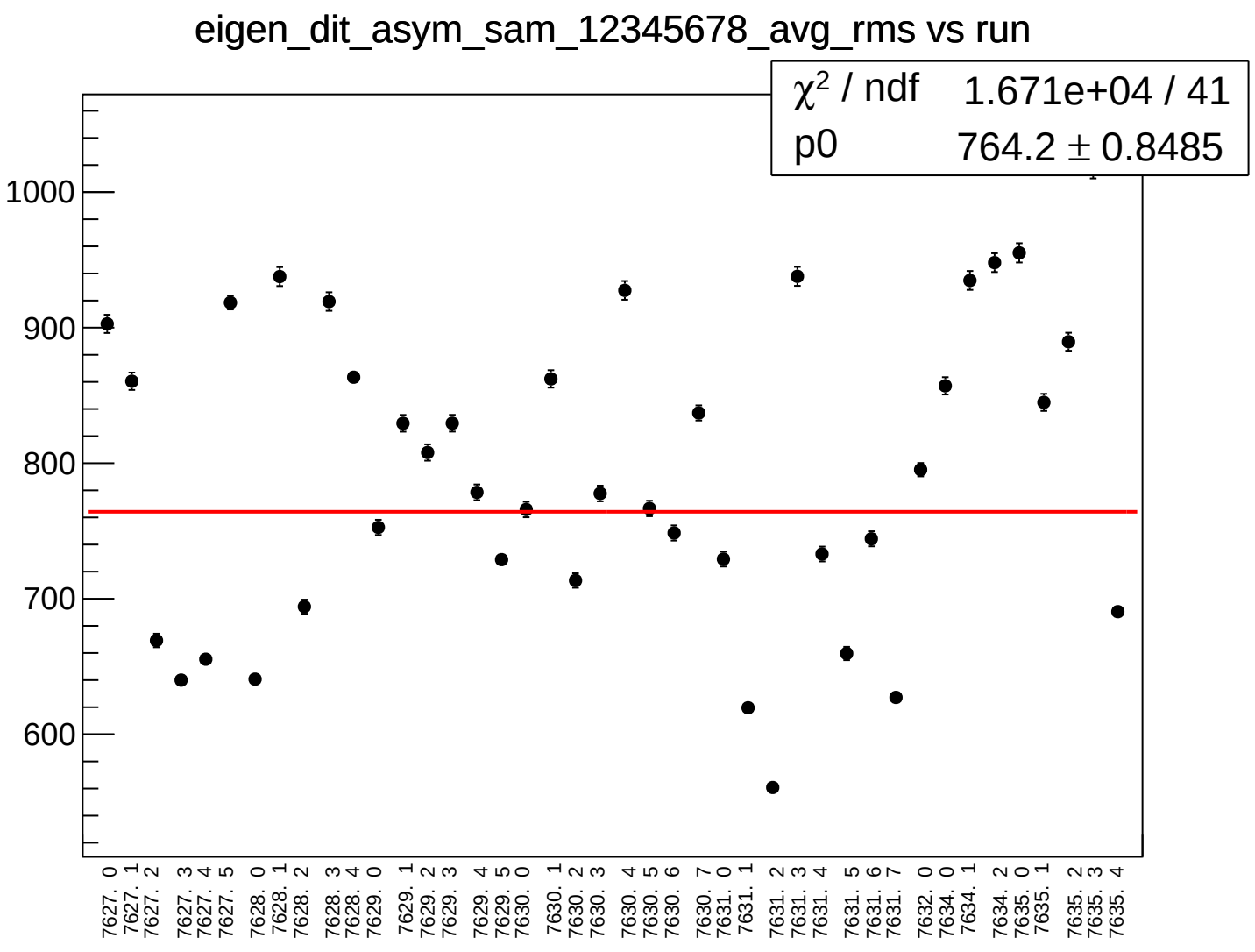

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.671e+04 / 41
p0 764.2 ± 0.8485
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


asym_sam_12345678_avg_dit_correction_mean vs run
×10^3
χ² / ndf 37.54 / 41
p0 8857 ± 5460
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −218
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 42
Mean 0.004633
Std Dev 0.9455
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 2.076e+04 / 41
p0 3468 ± 3.861
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4


eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 37.19 / 41
p0 −271.3 ± 1200
30000
20000
10000
0
−10000
−20000
−30000
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −52.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.0204
Std Dev 0.9408
9
8
7
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 1.671e+04 / 41
p0 764.2 ± 0.8485
1000
900
800
700
600
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
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7634. 0
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7634. 2
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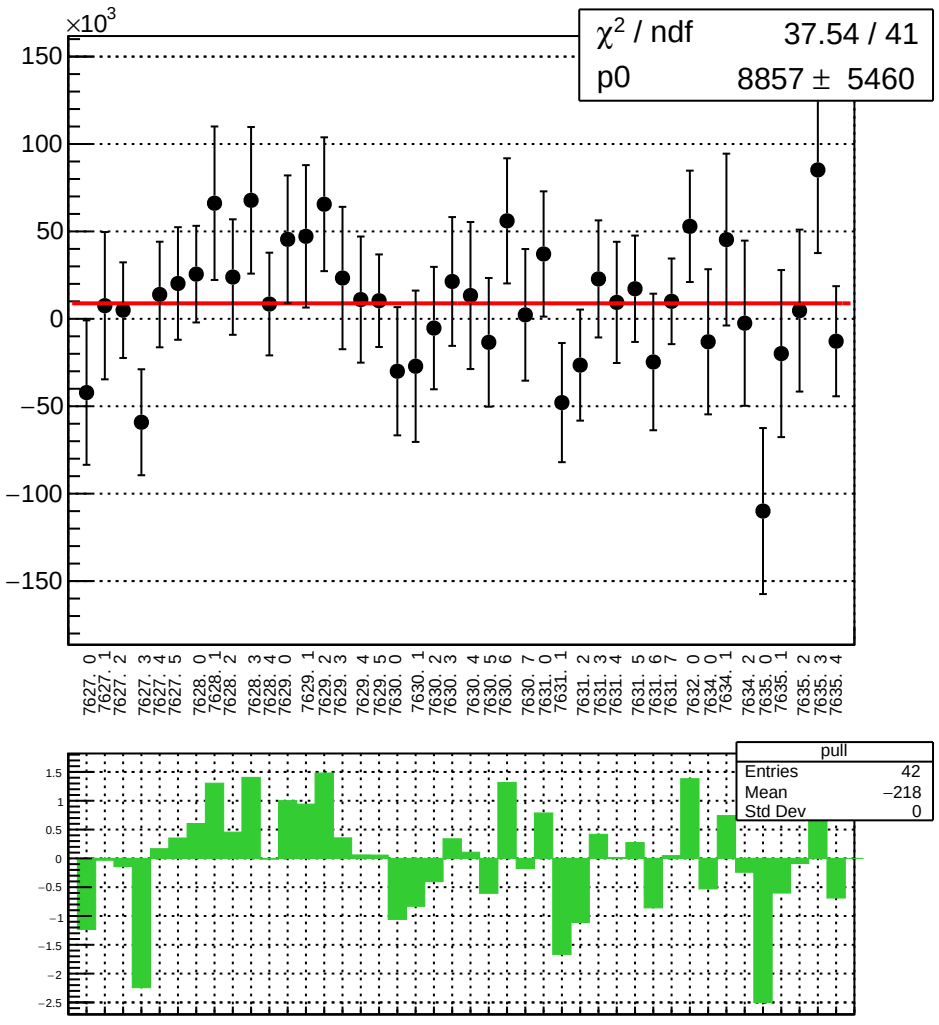
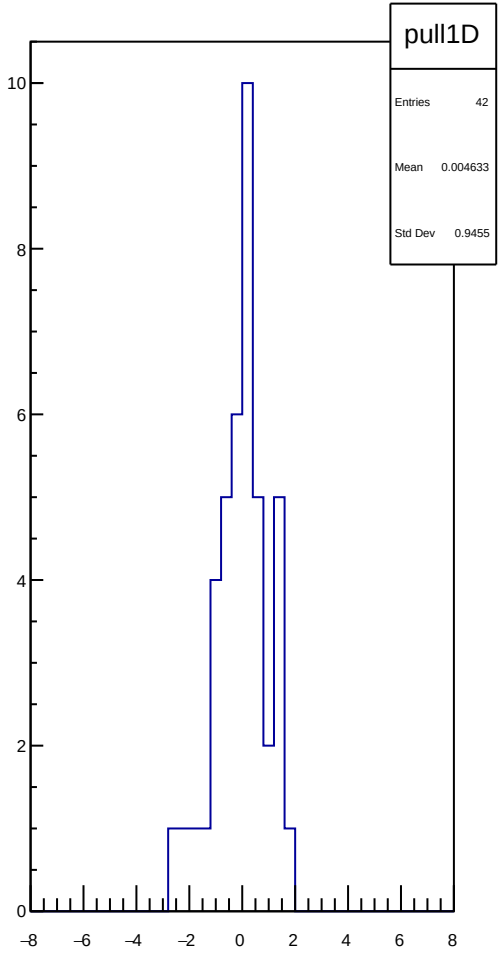
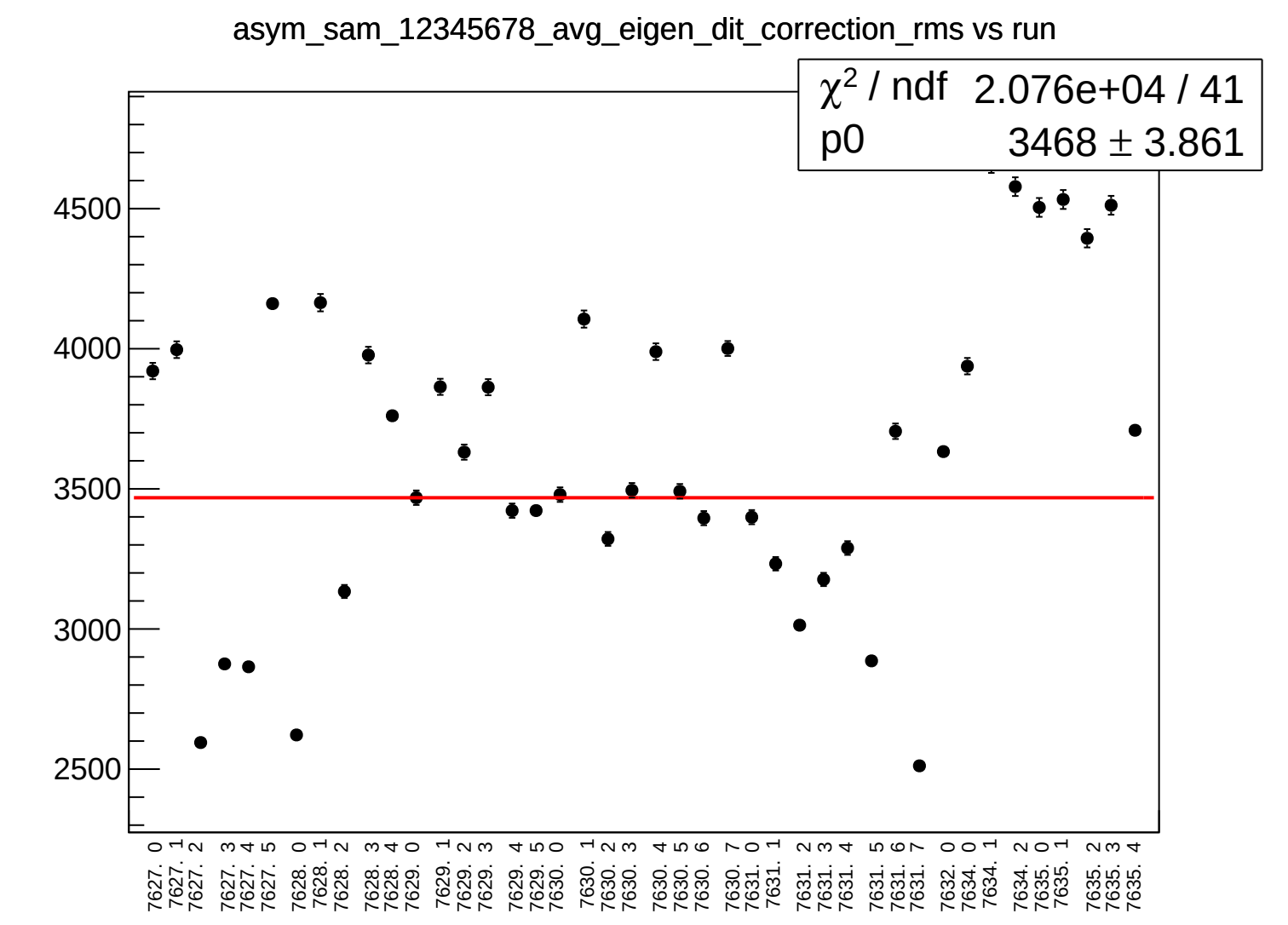
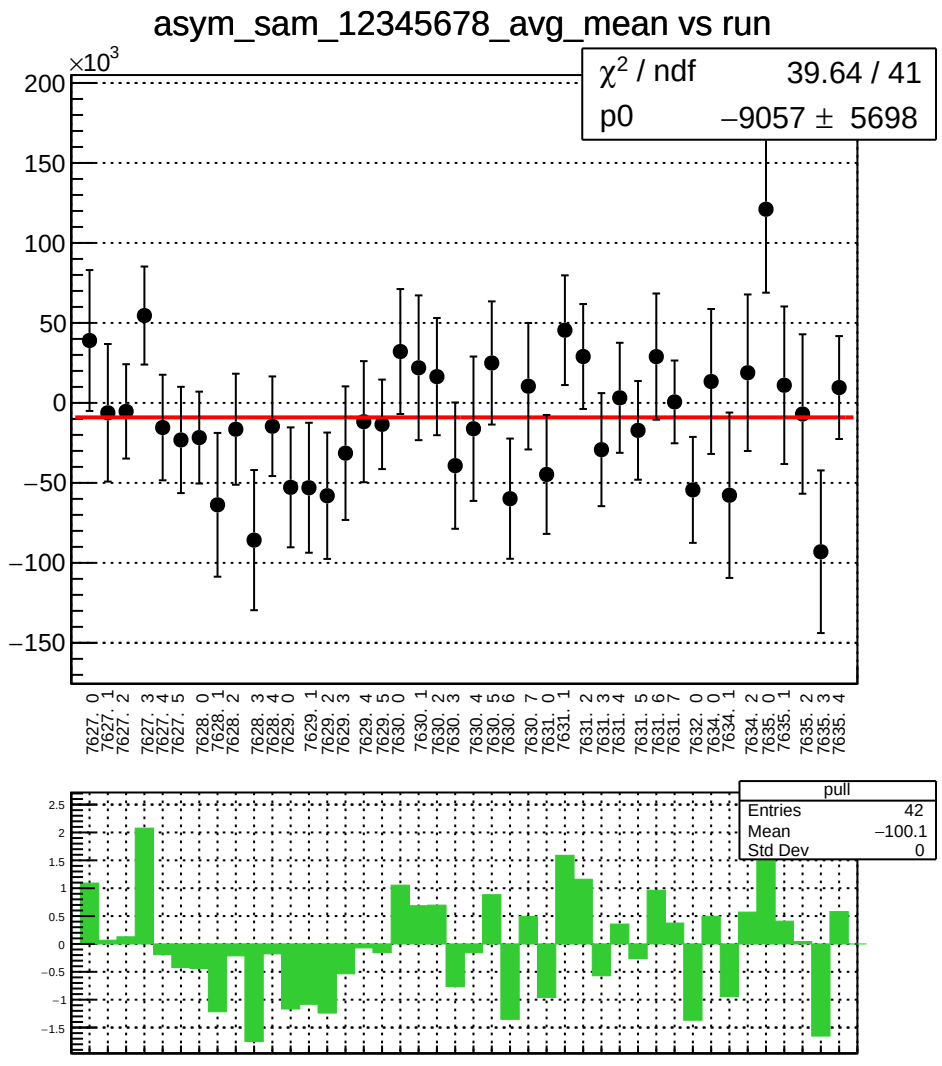
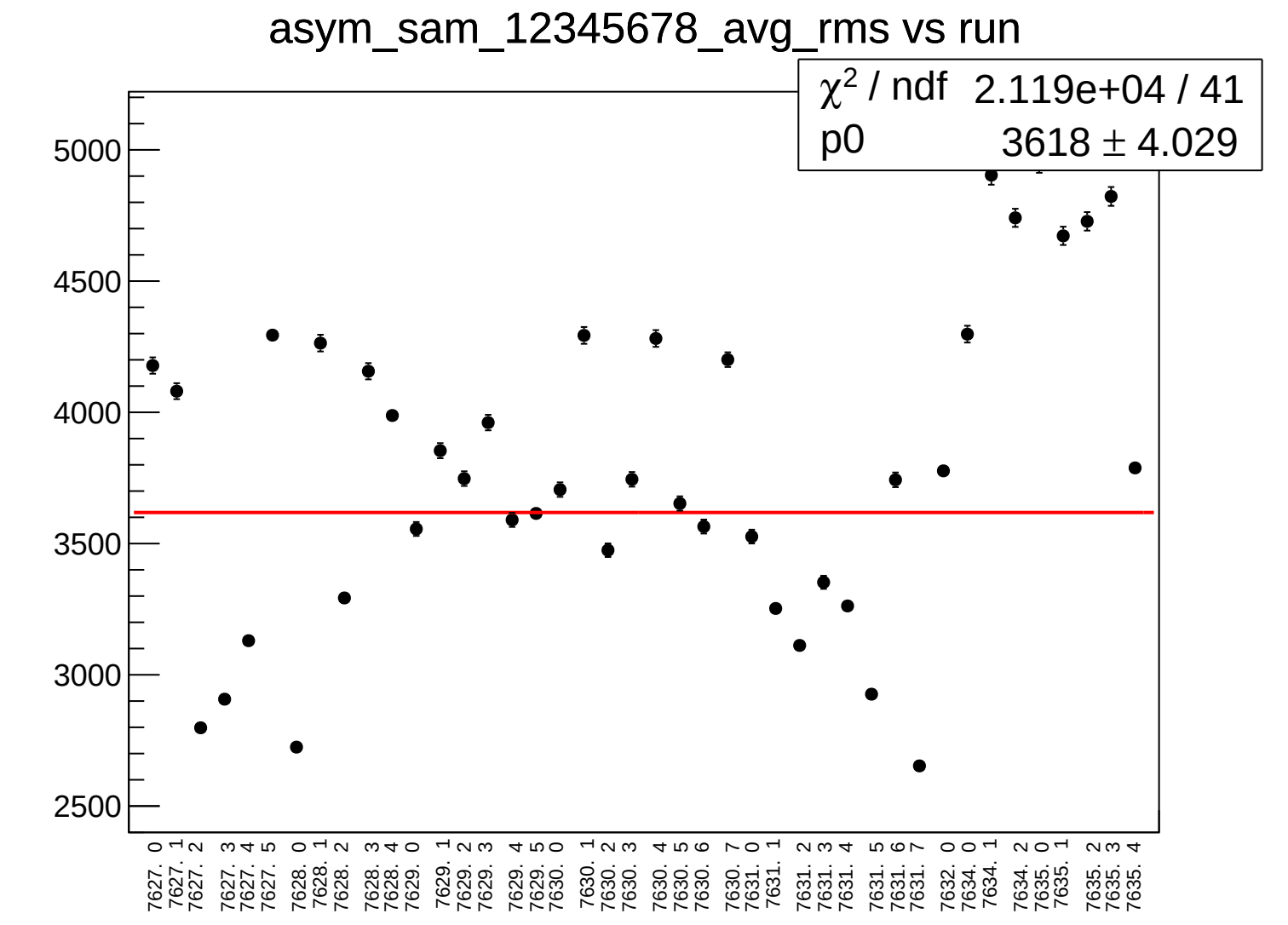
7635. 1
7635. 2
7635. 3
7635. 4

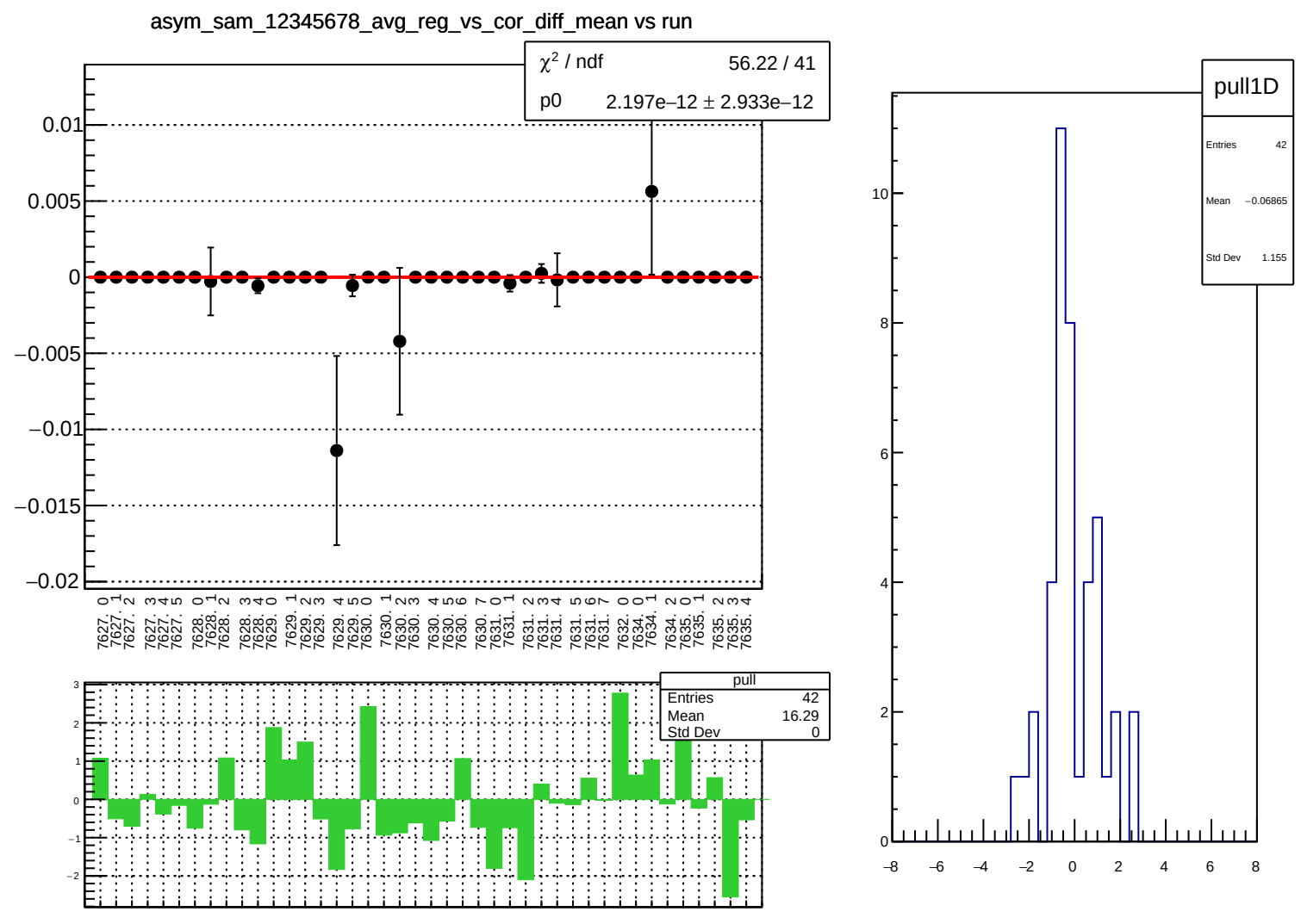

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 37.54 / 41
p0 8857 ± 5460
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −218
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

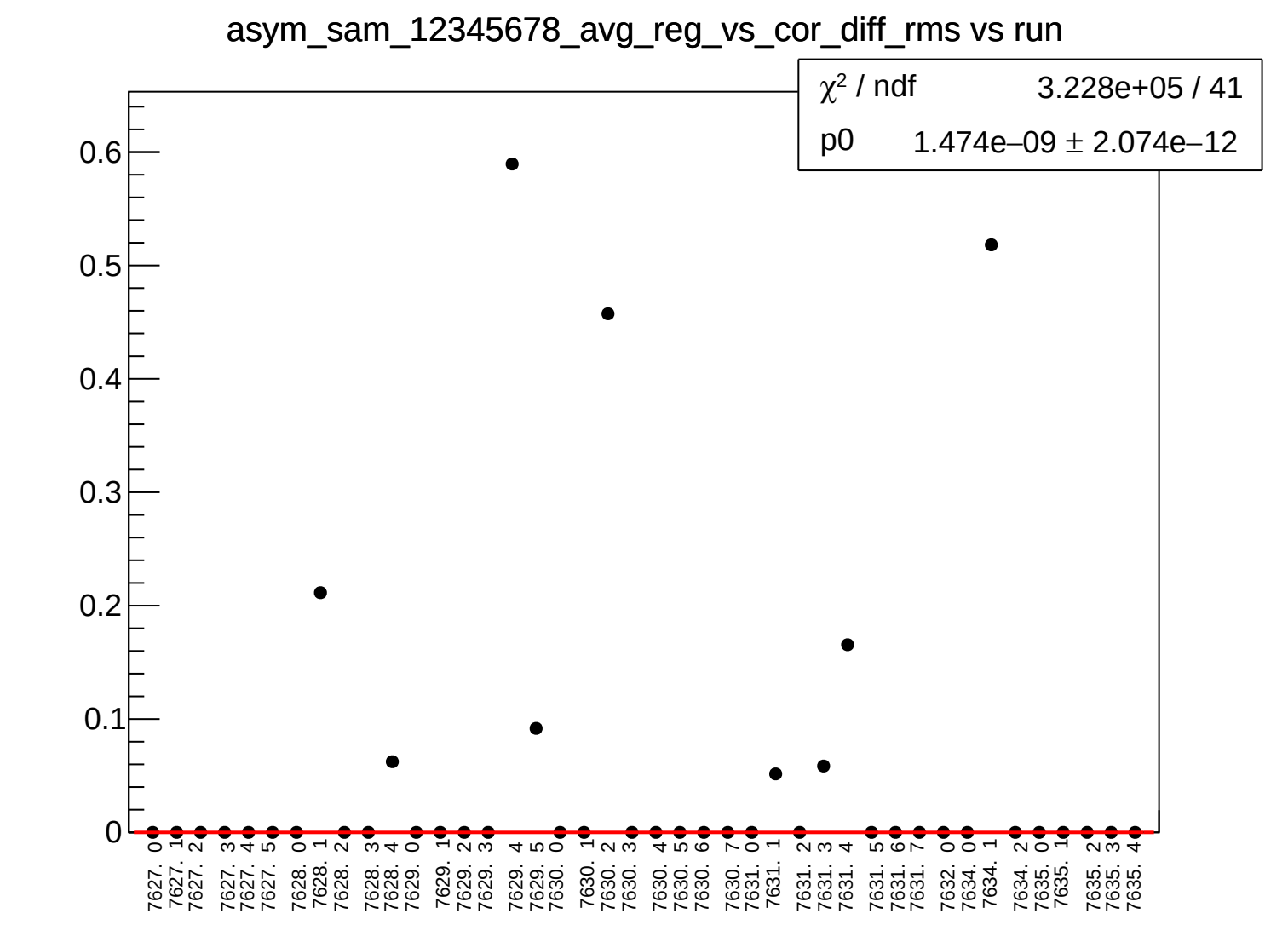

pull1D
Entries 42
Mean 0.004633
Std Dev 0.9455
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

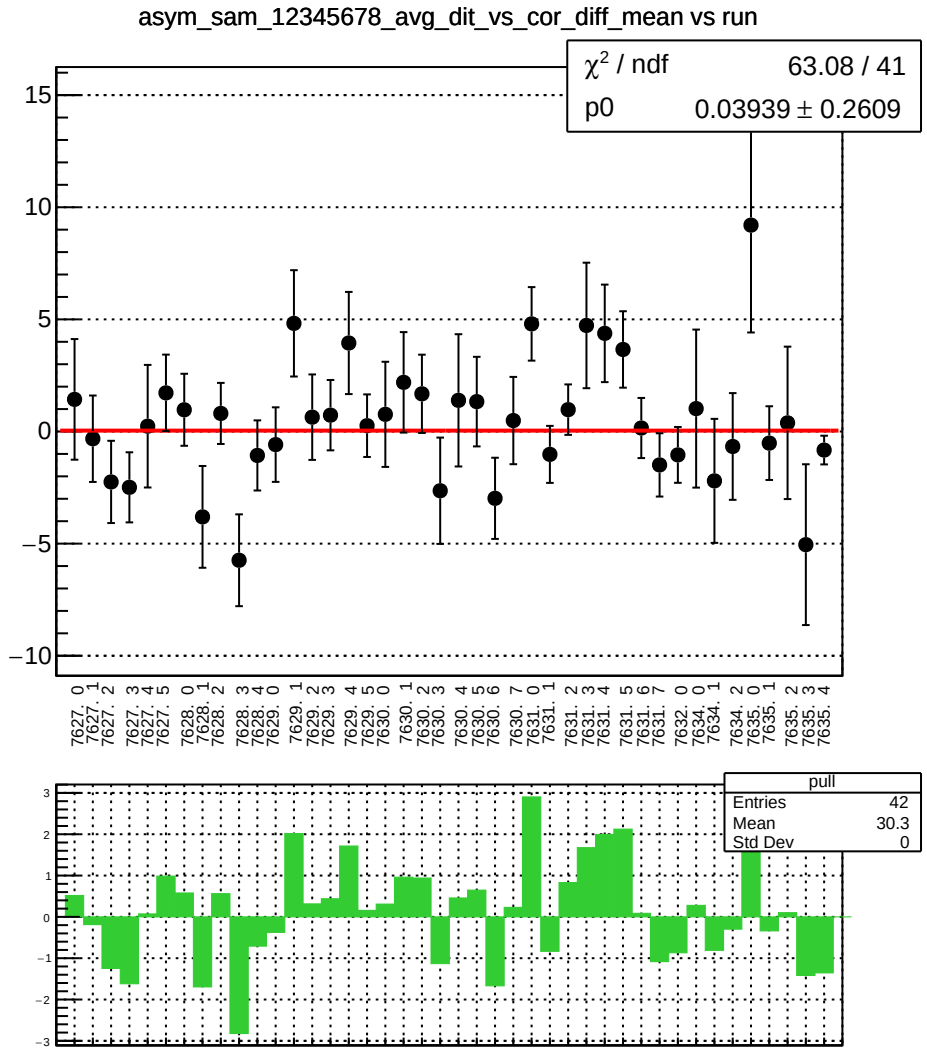

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.076e+04 / 41
p0 3468 ± 3.861
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

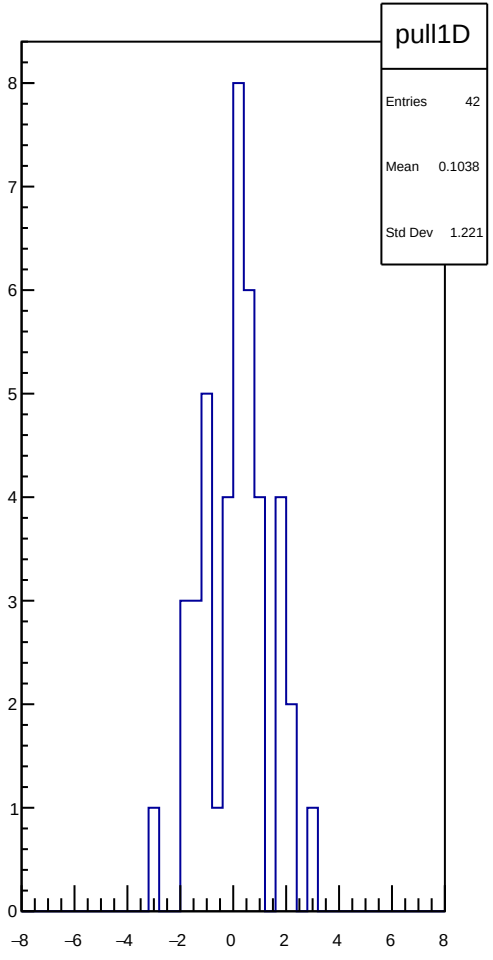

asym_sam_12345678_avg_mean vs run
×10^3
χ² / ndf 39.64 / 41
p0 −9057 ± 5698
200
150
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −100.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.01154
Std Dev 0.9714
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

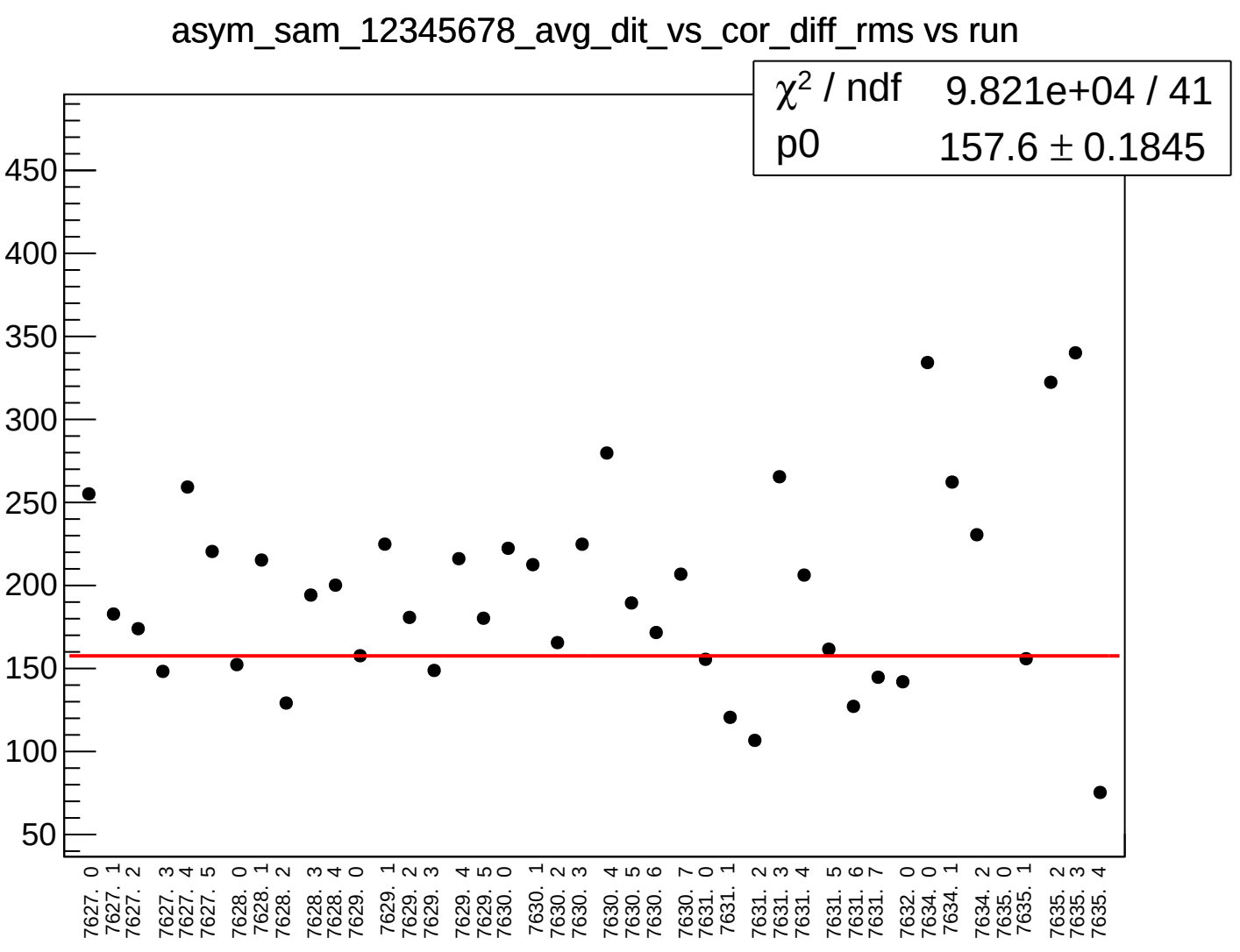

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.119e+04 / 41
p0 3618 ± 4.029
5000
4500
4000
3500
3000
2500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

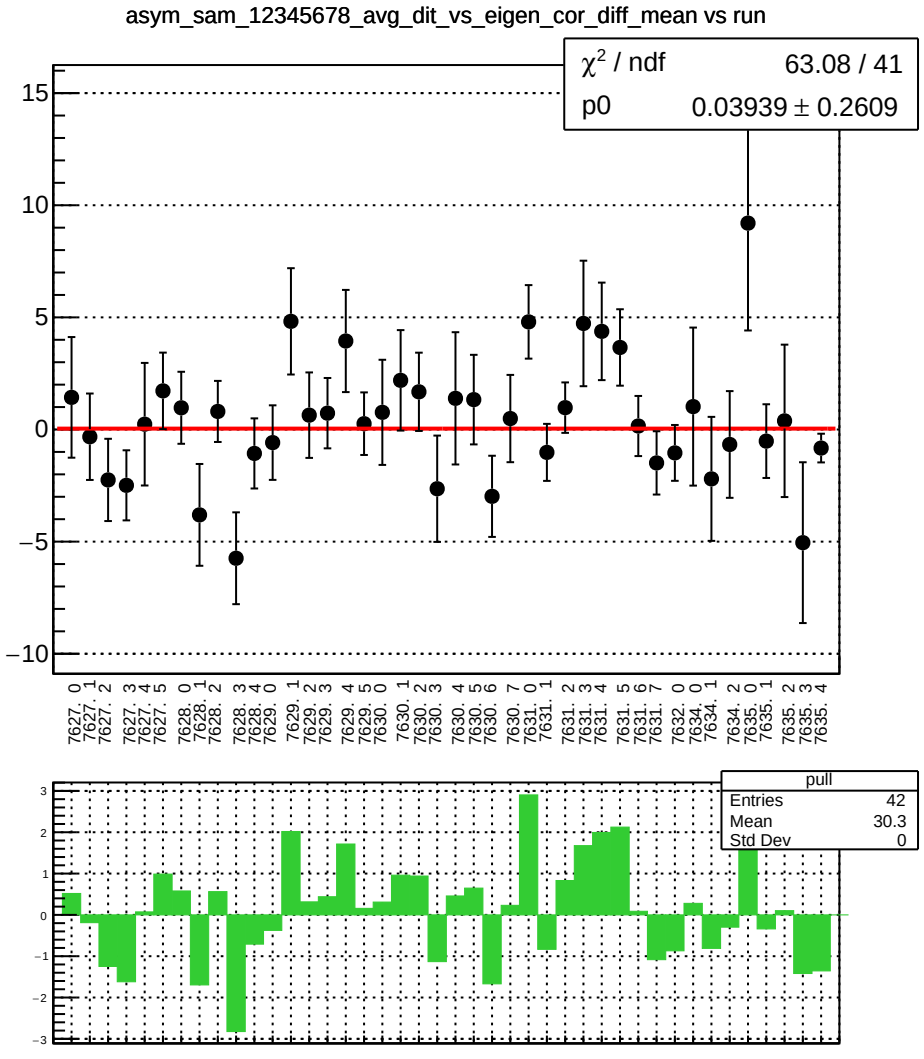

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.22 / 41
p0 2.197e−12 ± 2.933e−12
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 16.29
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.06865
Std Dev 1.155
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

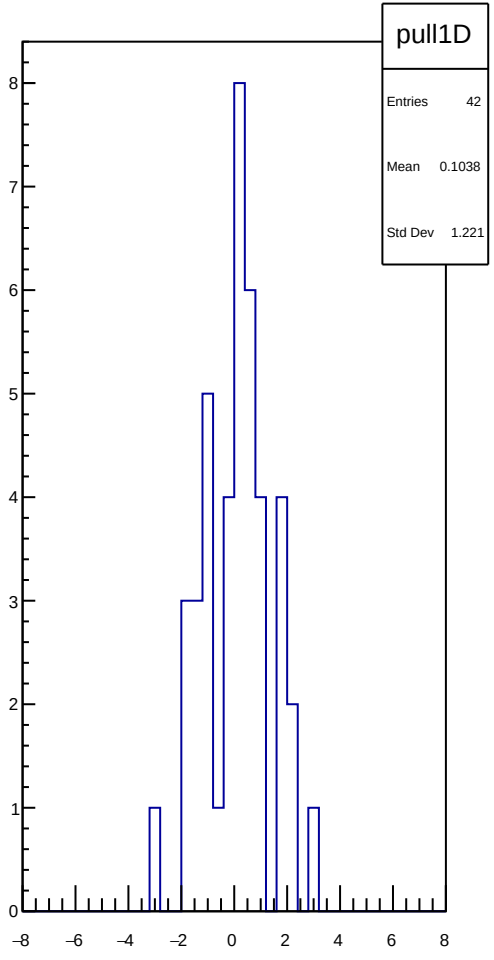

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.228e+05 / 41
p0 1.474e−09 ± 2.074e−12
0.6
0.5
0.4
0.3
0.2
0.1
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

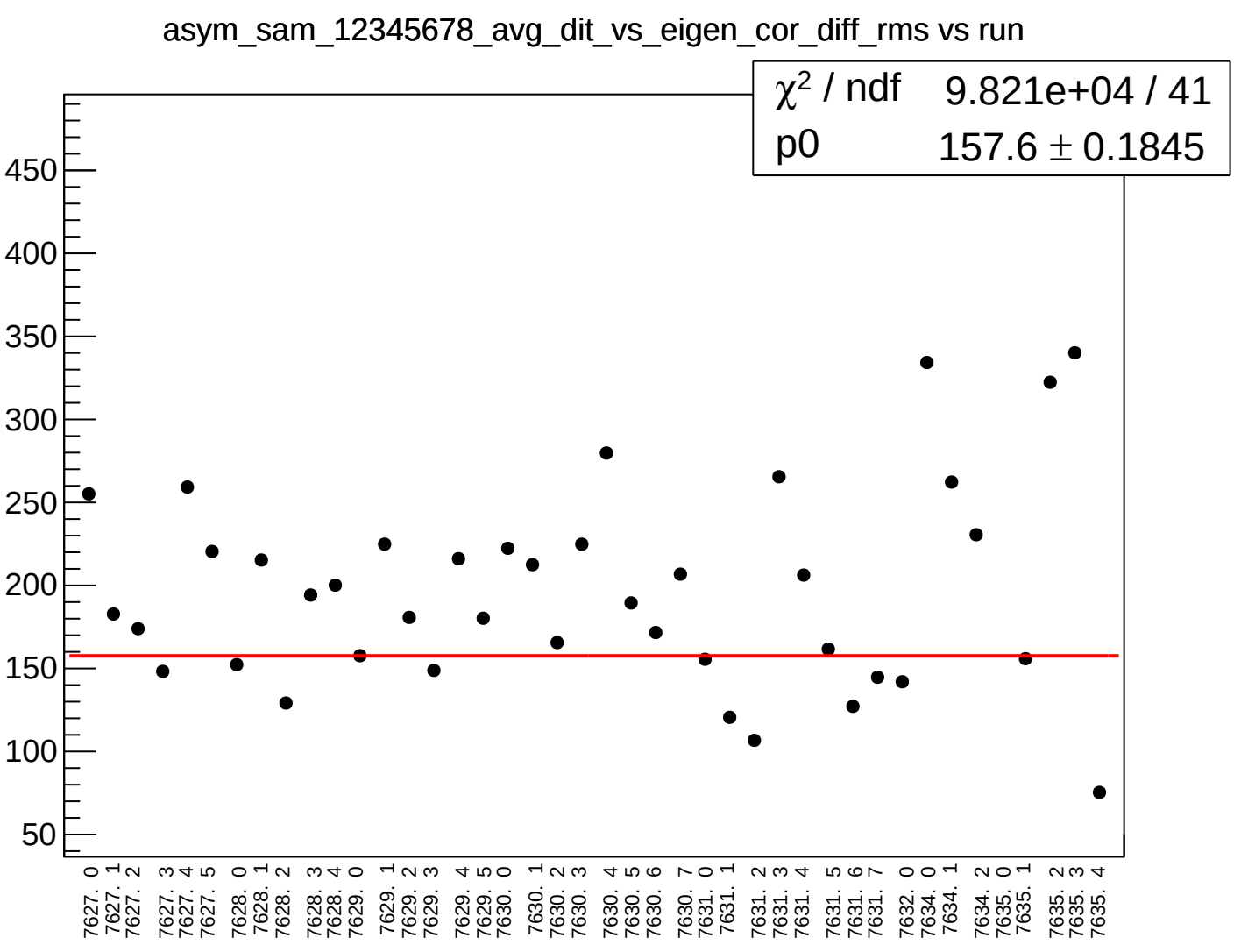

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.08 / 41
p0 0.03939 ± 0.2609
pull
Entries 42
Mean 30.3
Std Dev 0

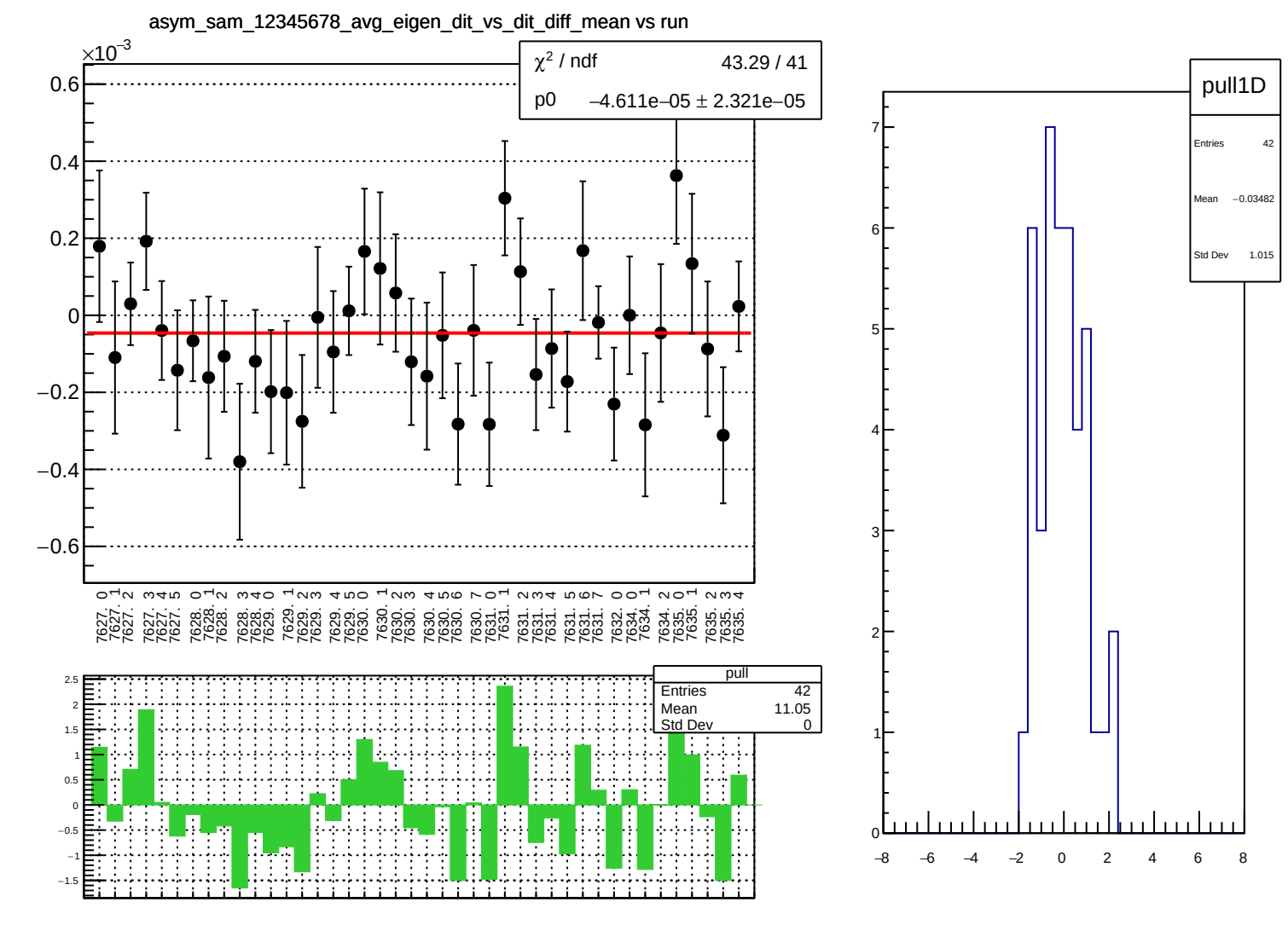

pull1D
Entries 42
Mean 0.1038
Std Dev 1.221

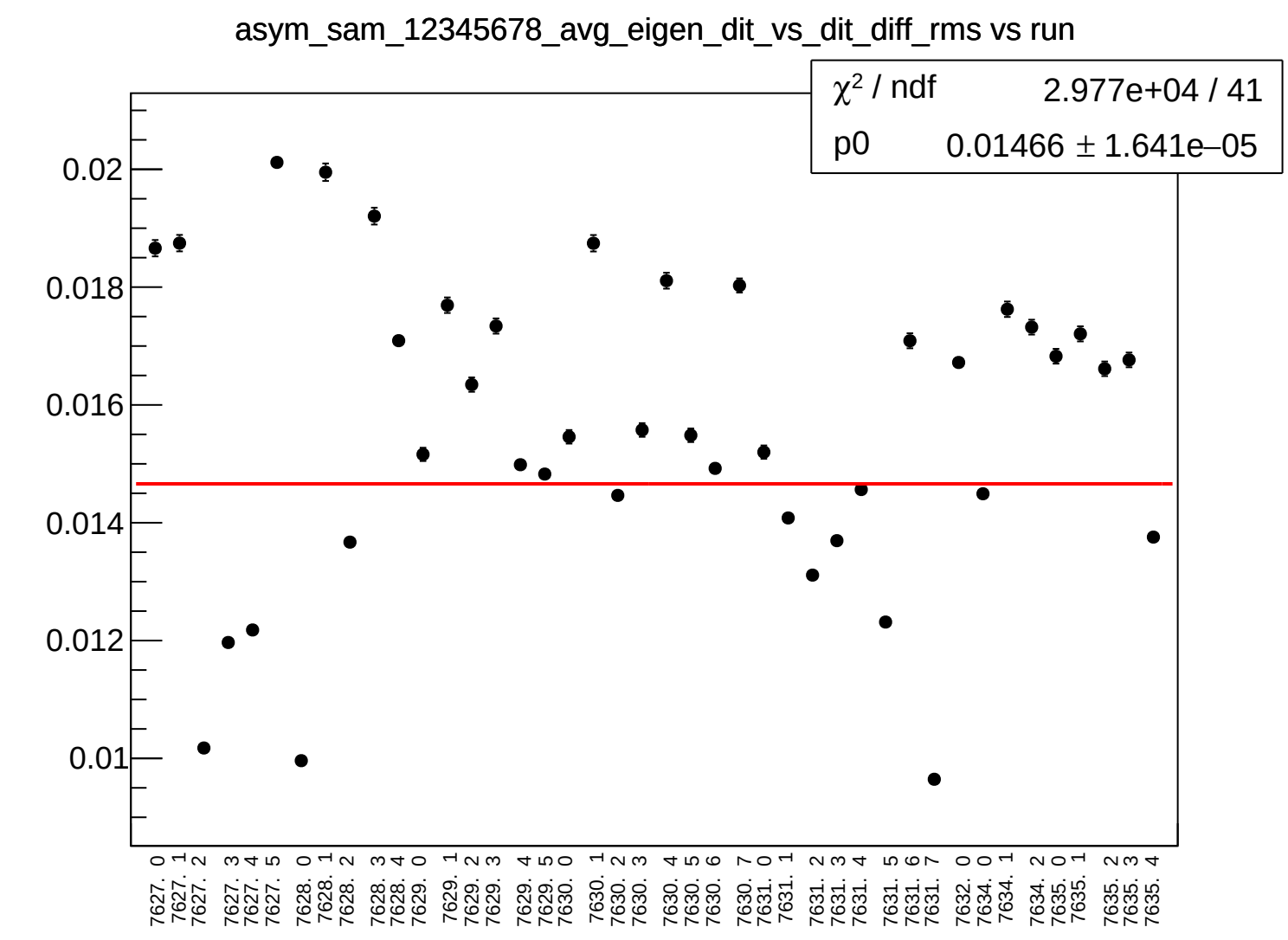

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.821e+04 / 41
p0 157.6 ± 0.1845
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

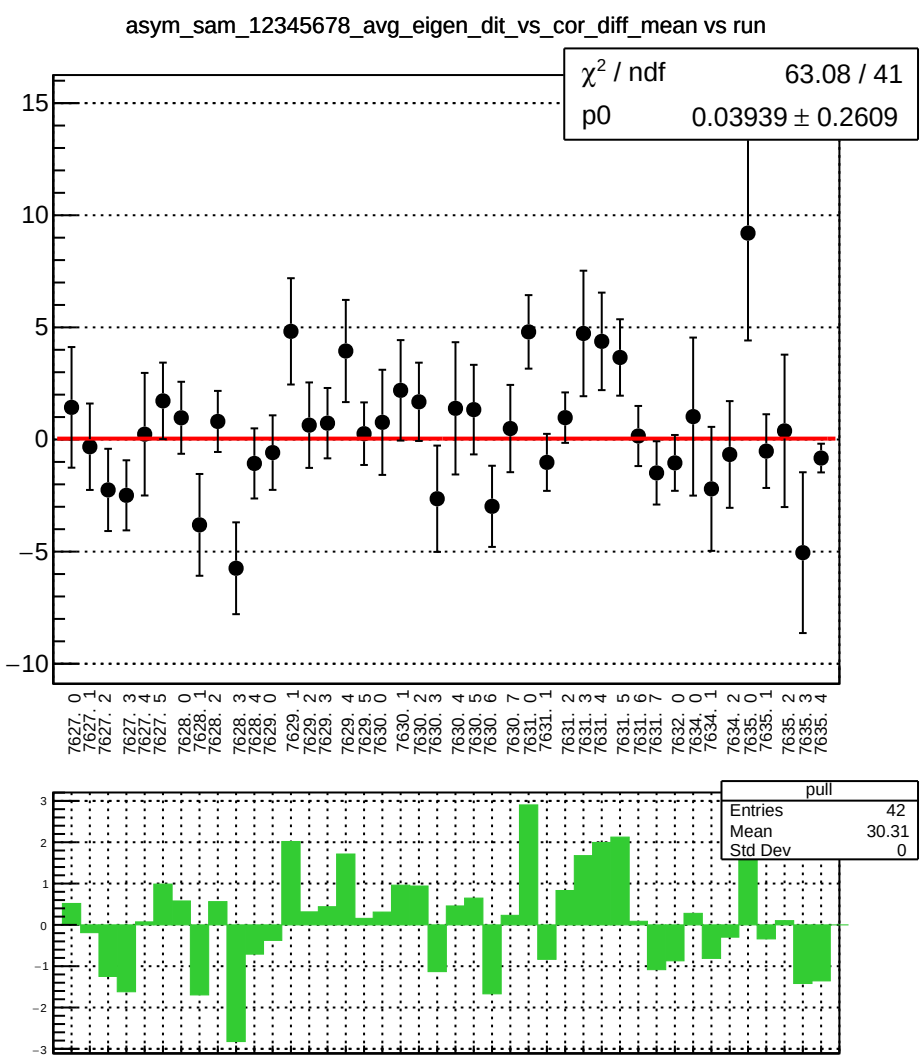

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.08 / 41
p0 0.03939 ± 0.2609
pull
Entries 42
Mean 30.3
Std Dev 0

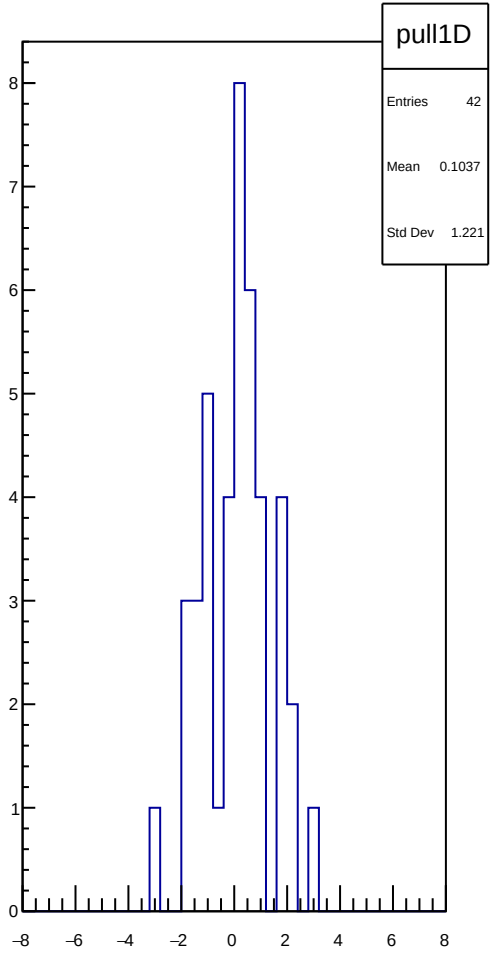

pull1D
Entries 42
Mean 0.1038
Std Dev 1.221

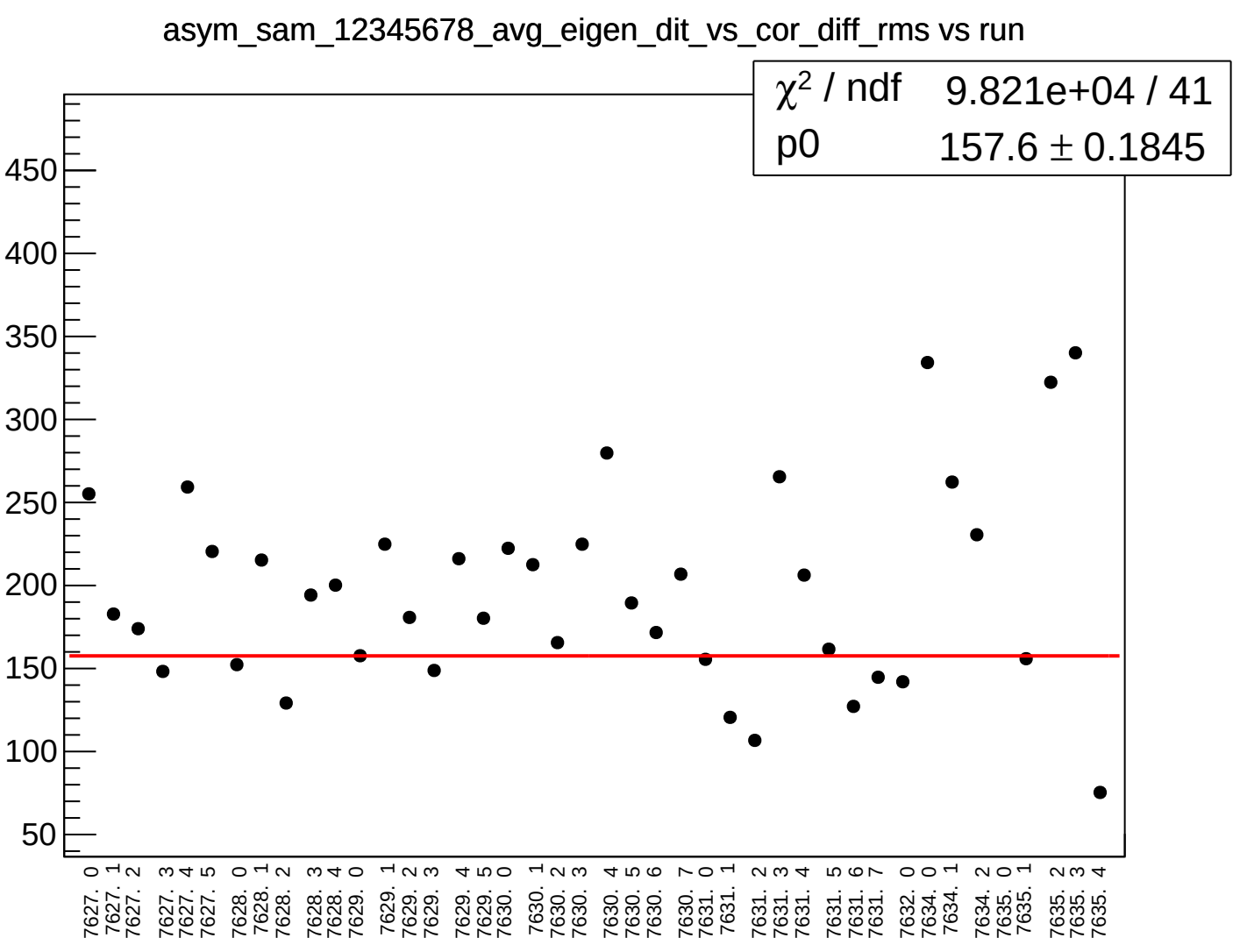

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.821e+04 / 41
p0 157.6 ± 0.1845
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

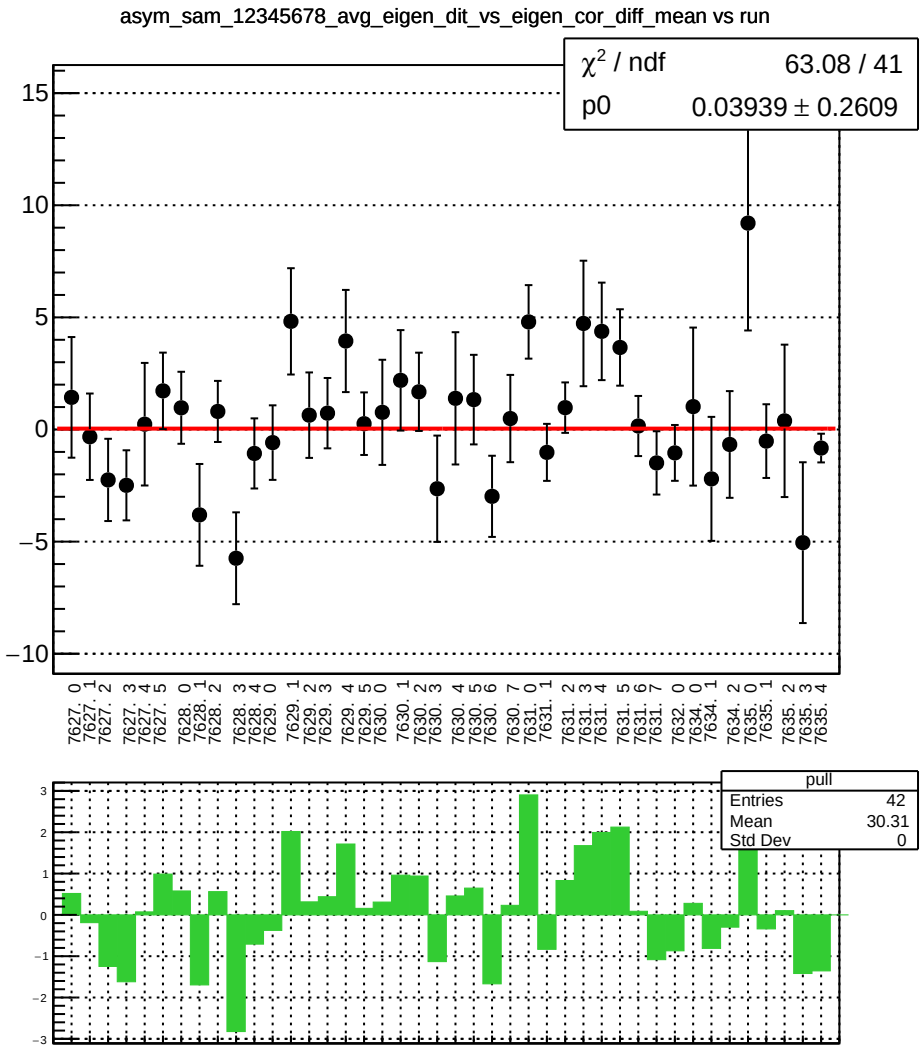

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.29 / 41
p0 −4.611e−05 ± 2.321e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 11.05
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.03482
Std Dev 1.015
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

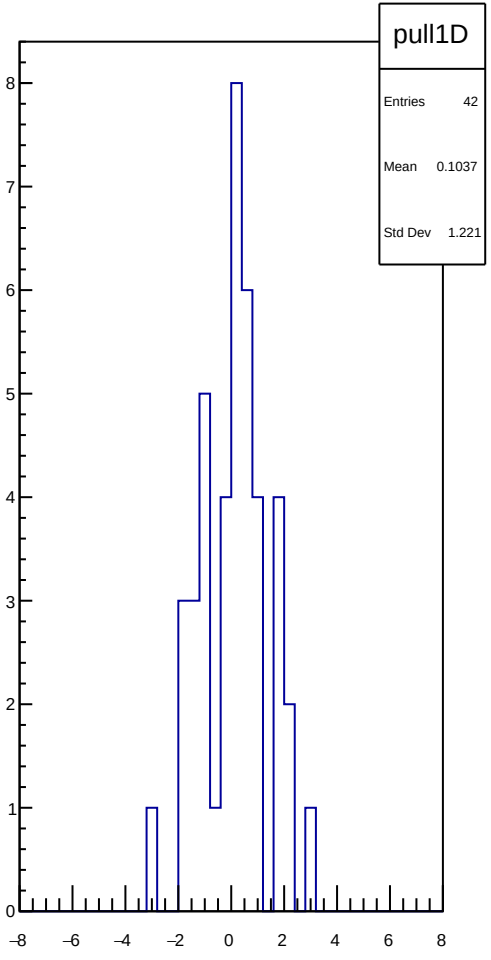

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.977e+04 / 41
p0 0.01466 ± 1.641e−05
0.02
0.018
0.016
0.014
0.012
0.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

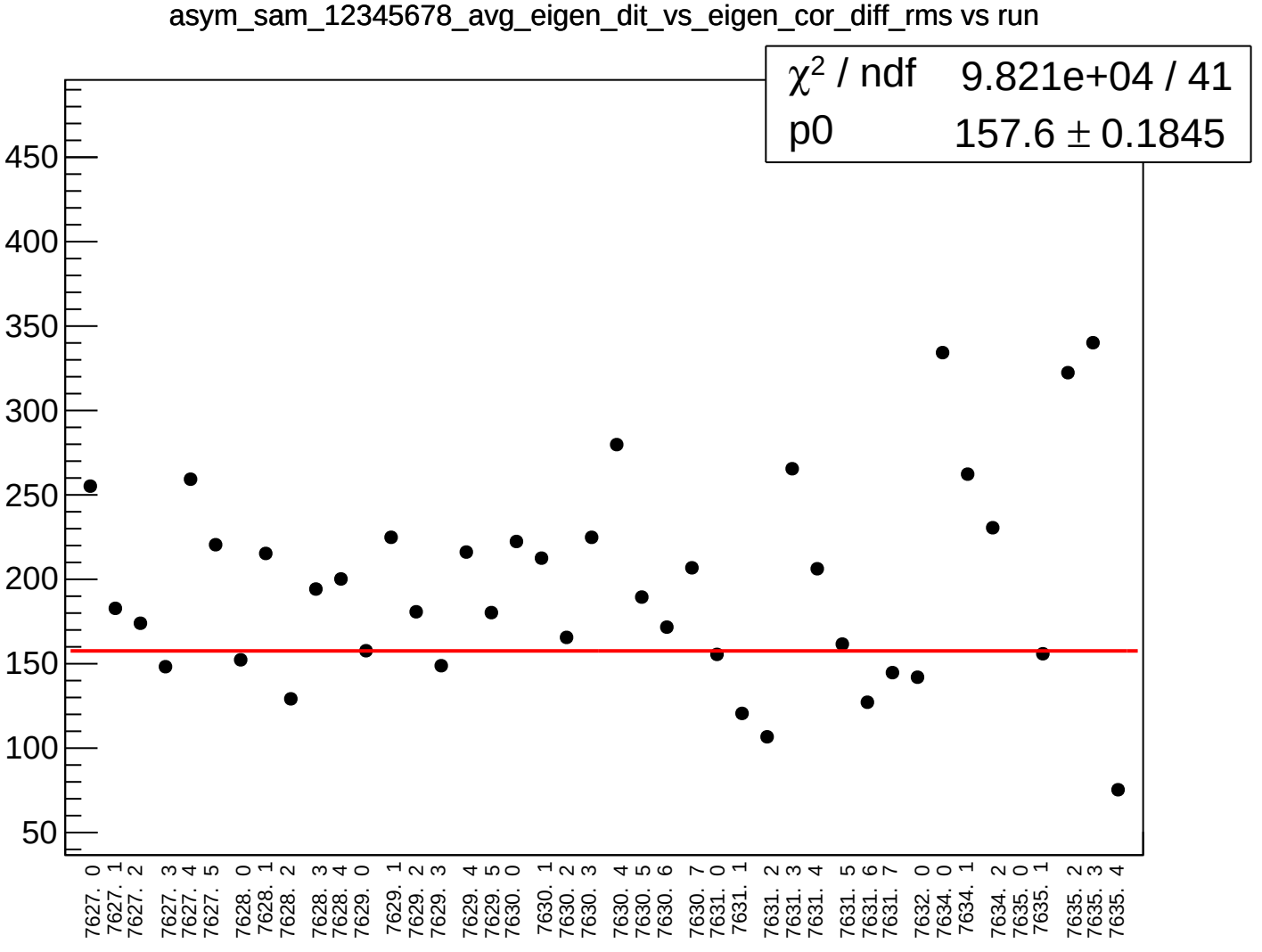

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.08 / 41
p0 0.03939 ± 0.2609
pull
Entries 42
Mean 30.31
Std Dev 0

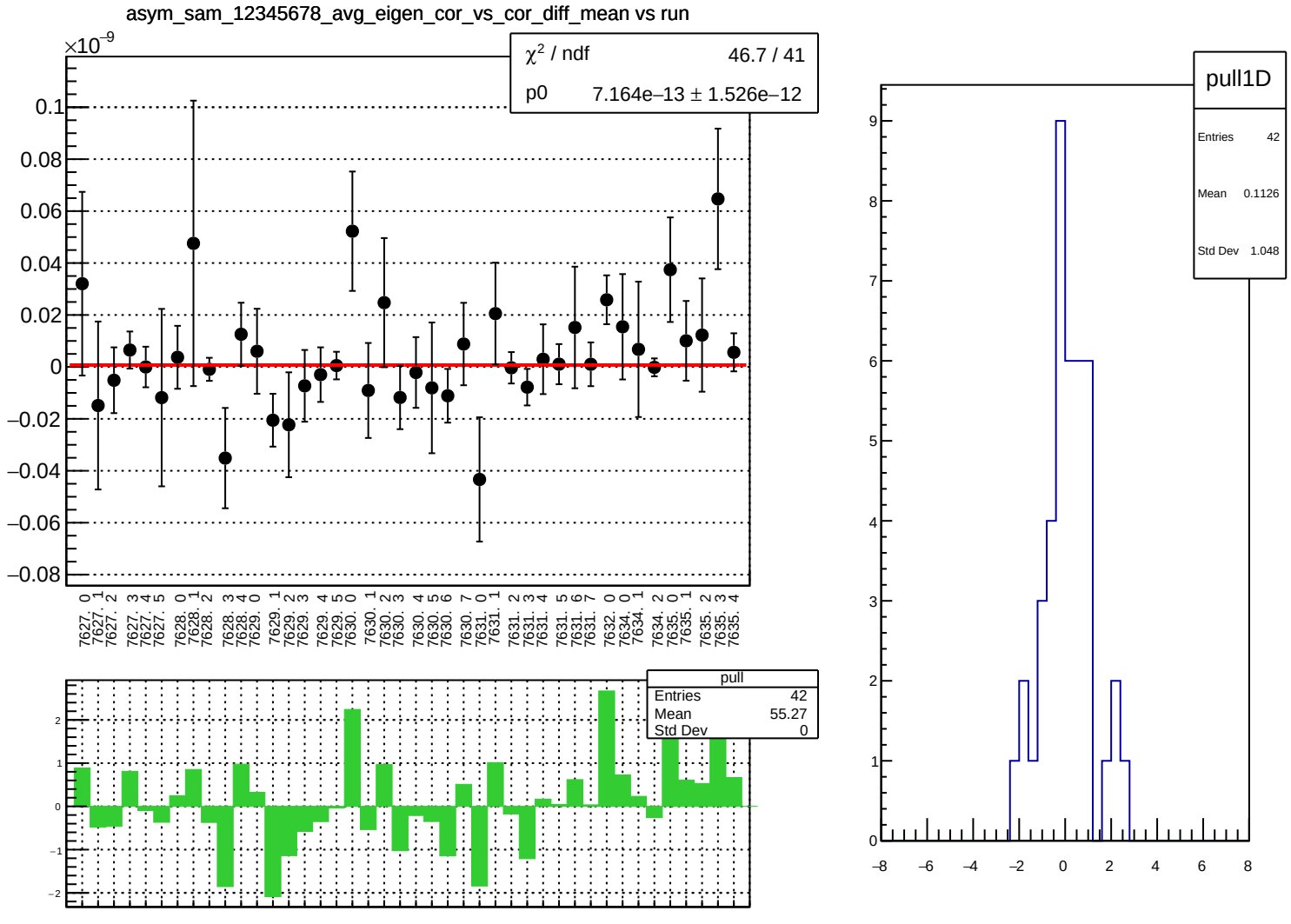

pull1D
Entries 42
Mean 0.1037
Std Dev 1.221

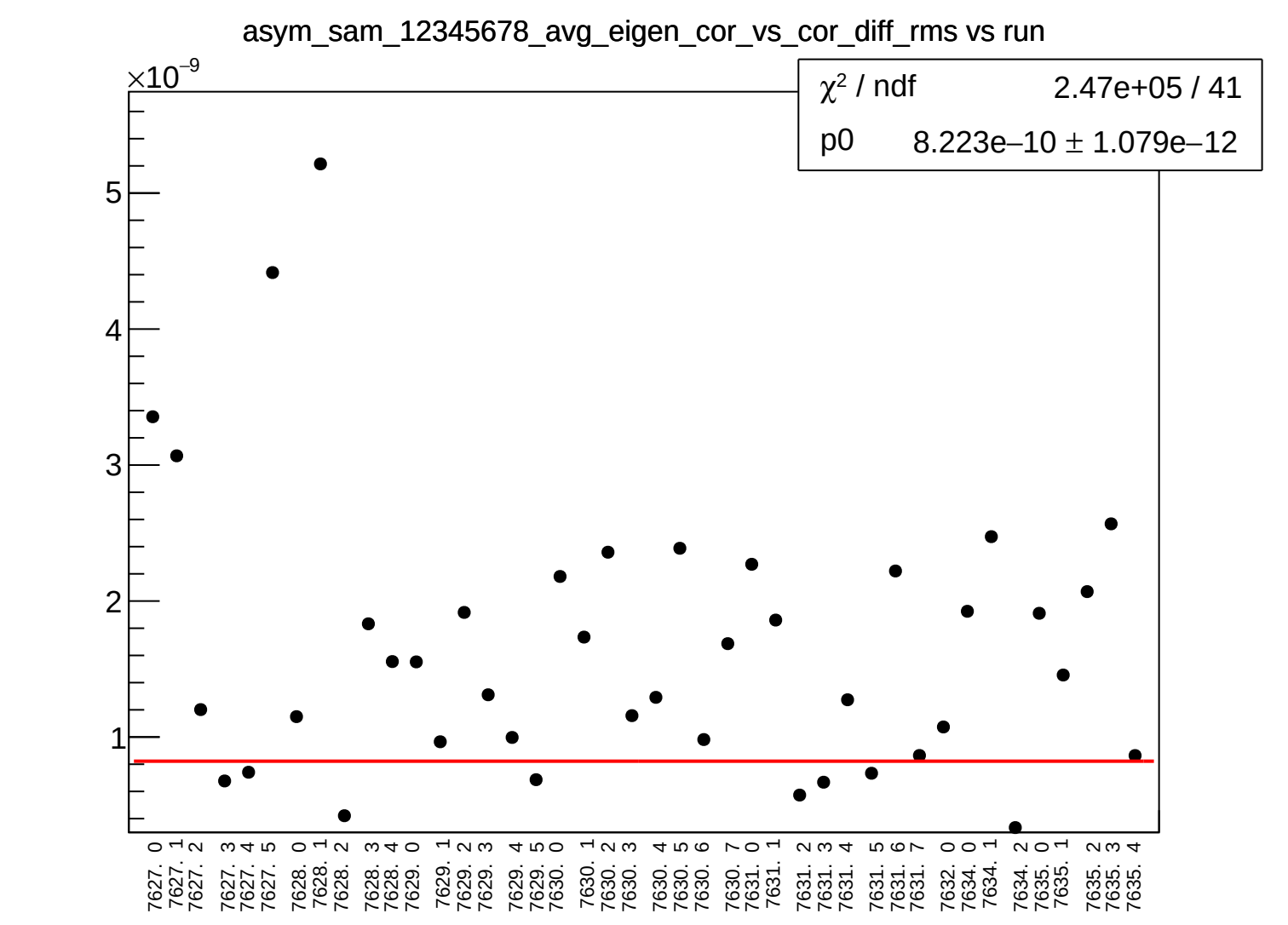

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.821e+04 / 41
p0 157.6 ± 0.1845
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

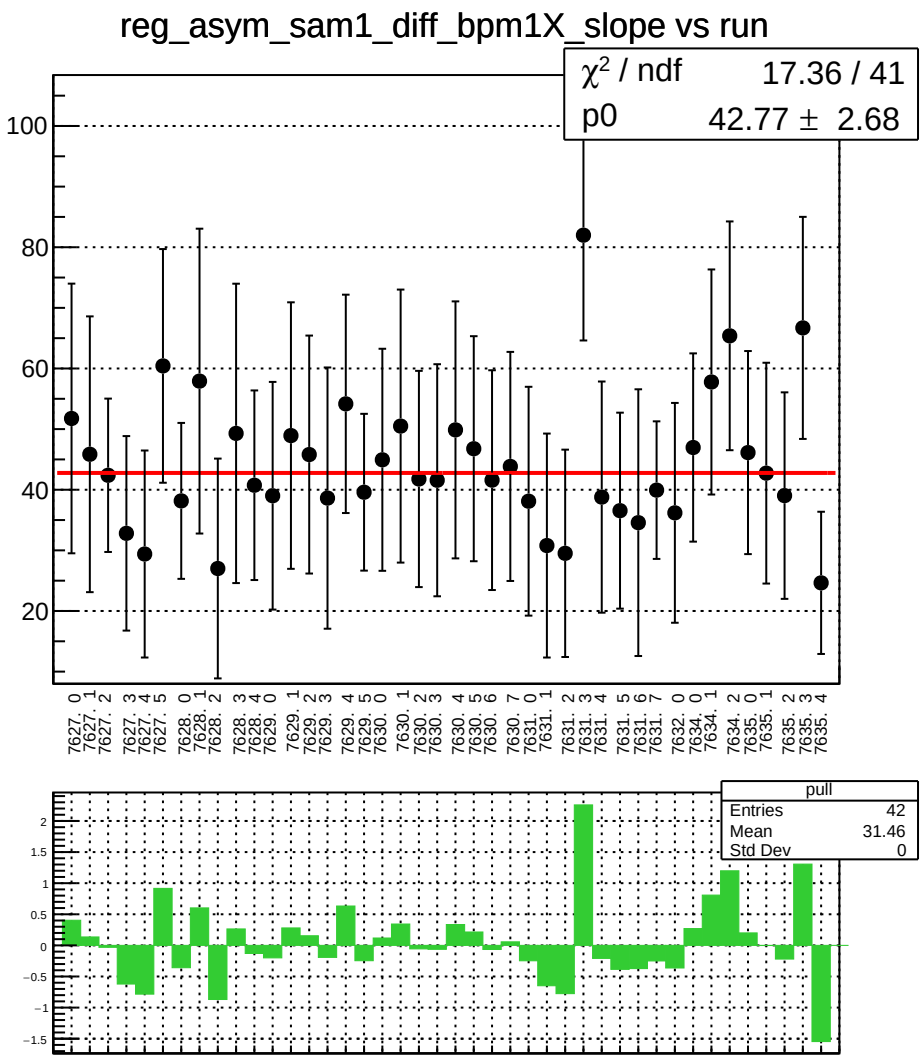

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.08 / 41
p0 0.03939 ± 0.2609
pull
Entries 42
Mean 30.31
Std Dev 0

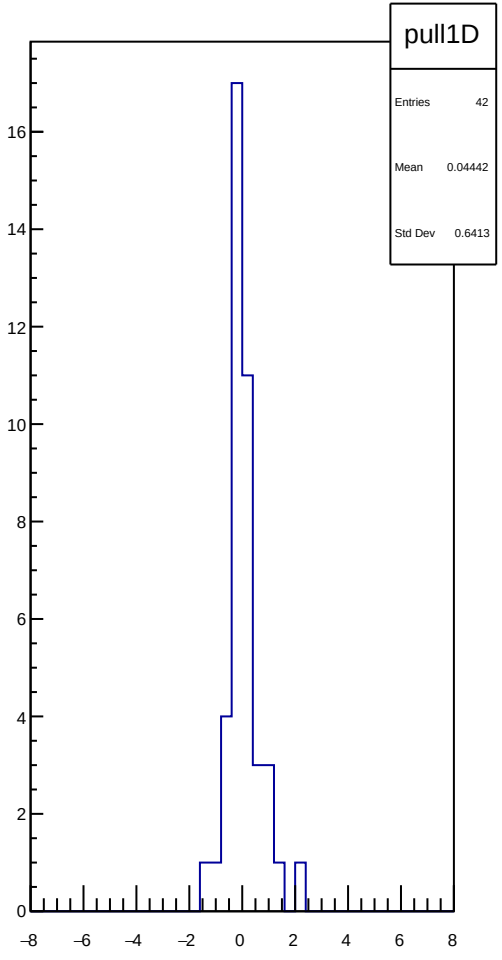

pull1D
Entries 42
Mean 0.1037
Std Dev 1.221

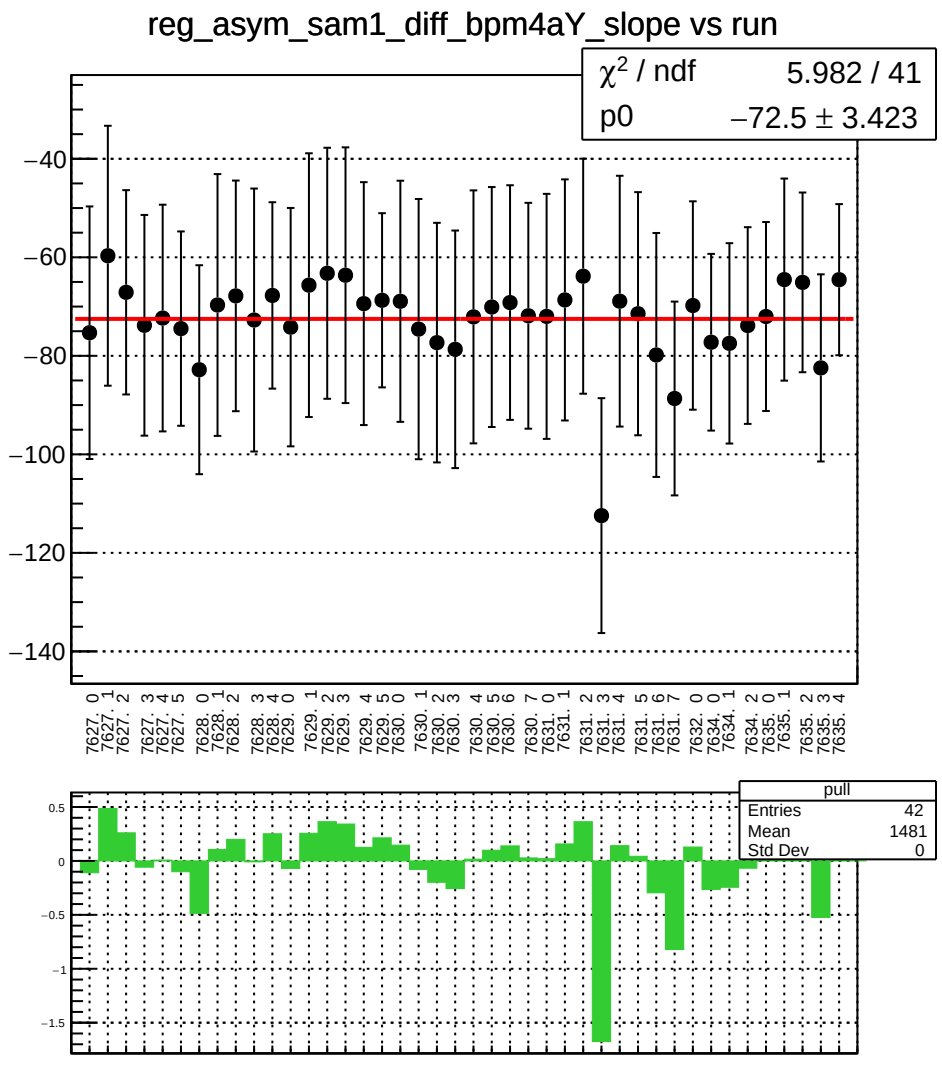

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.821e+04 / 41
p0 157.6 ± 0.1845
450
400
350
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

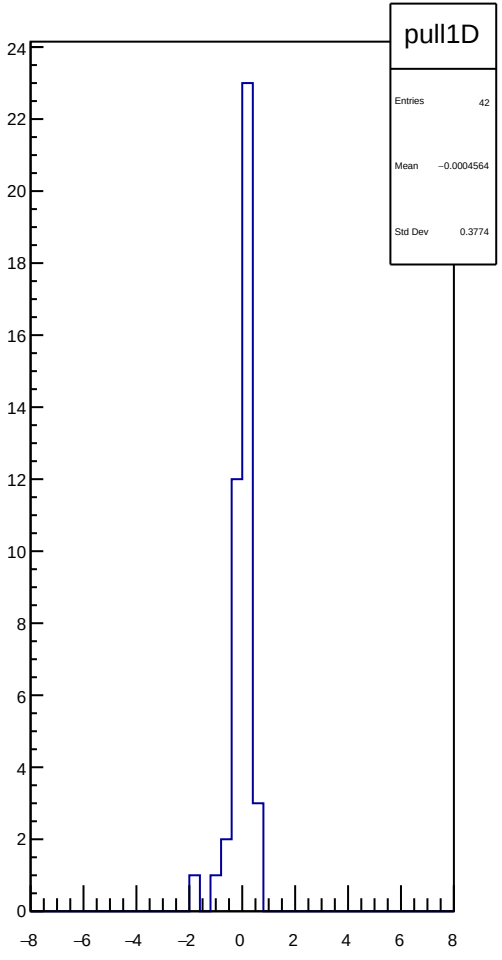

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 46.7 / 41
p0 7.164e−13 ± 1.526e−12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 55.27
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.1126
Std Dev 1.048
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

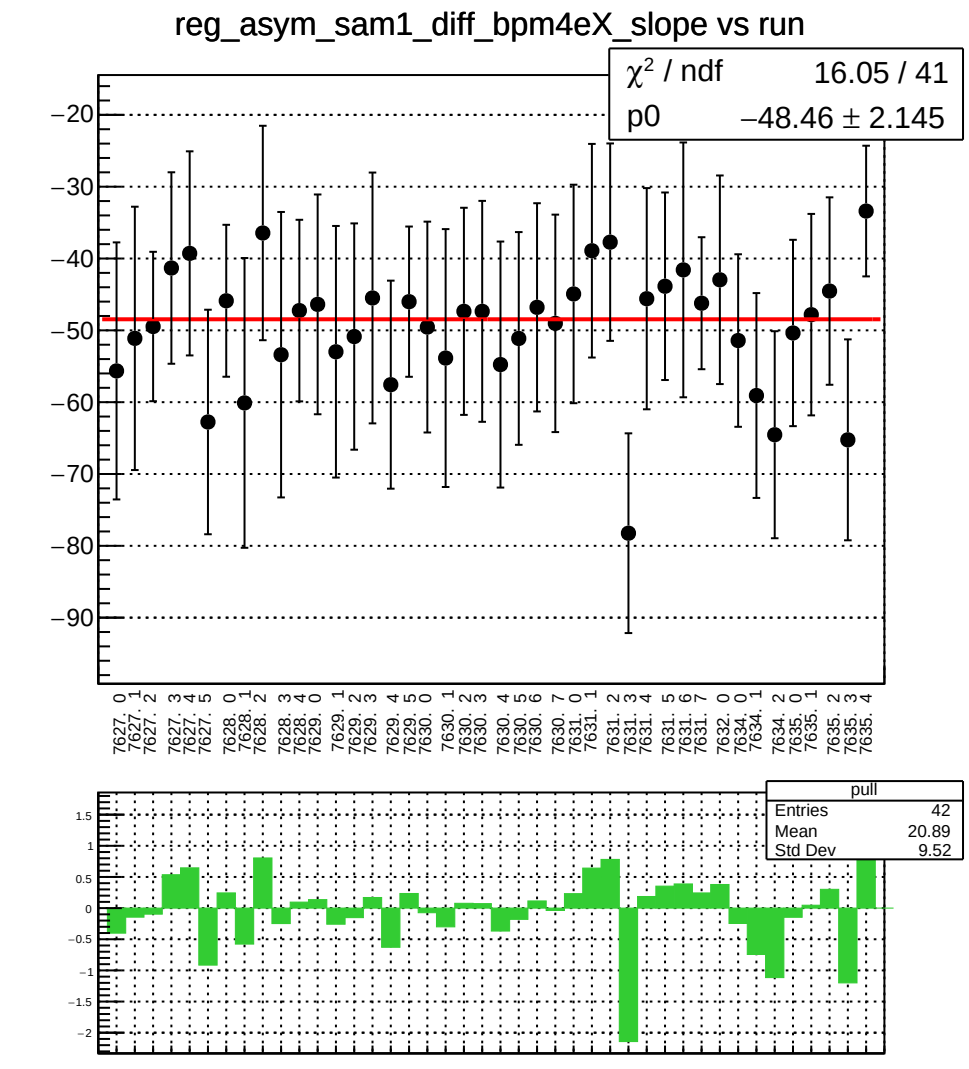

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.47e+05 / 41
p0 8.223e−10 ± 1.079e−12
5
4
3
2
1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

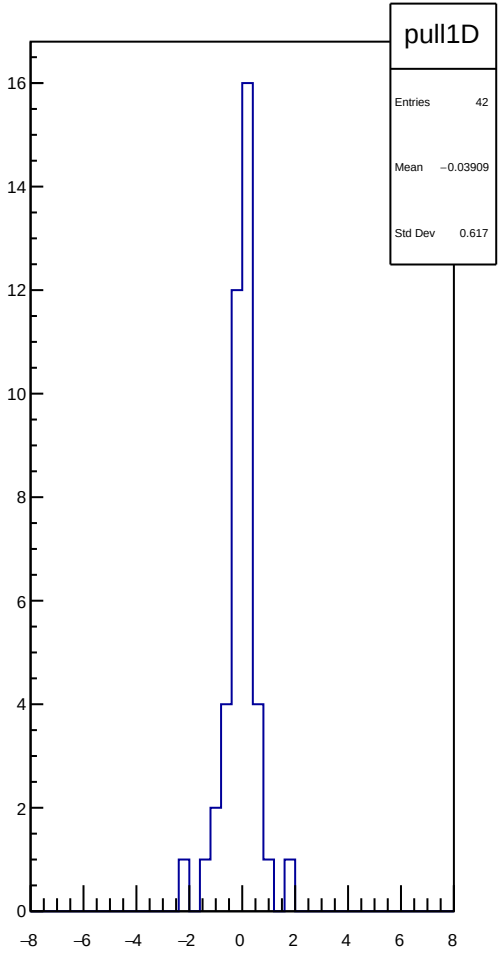

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 17.36 / 41
p0 42.77 ± 2.68
pull
Entries 42
Mean 31.46
Std Dev 0

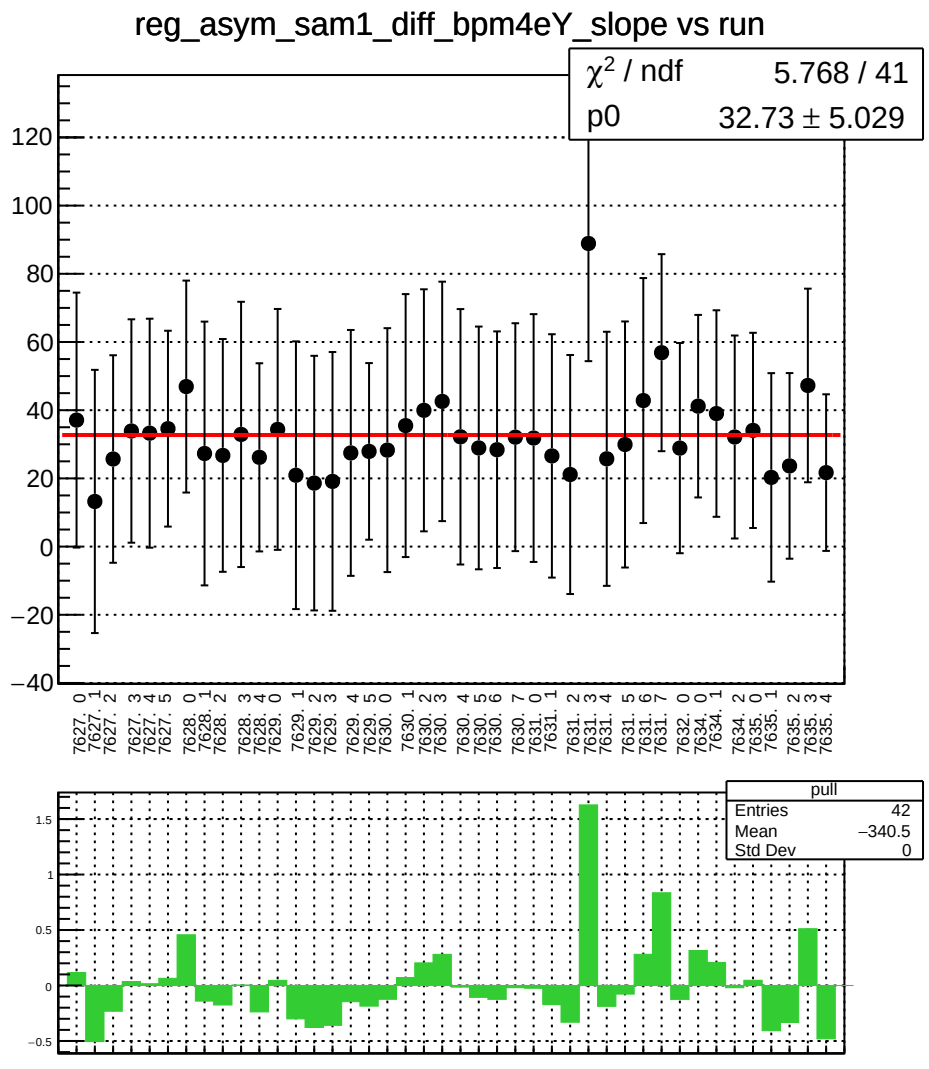

pull1D
Entries 42
Mean 0.04442
Std Dev 0.6413

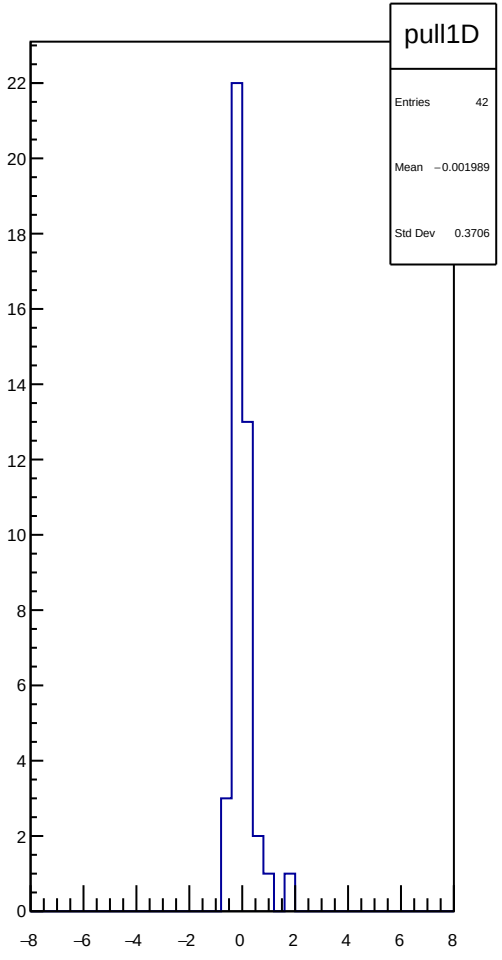

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 5.982 / 41
p0 −72.5 ± 3.423
−40
−60
−80
−100
−120
−140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1481
Std Dev 0
0.5
0
−0.5
−1
−1.5

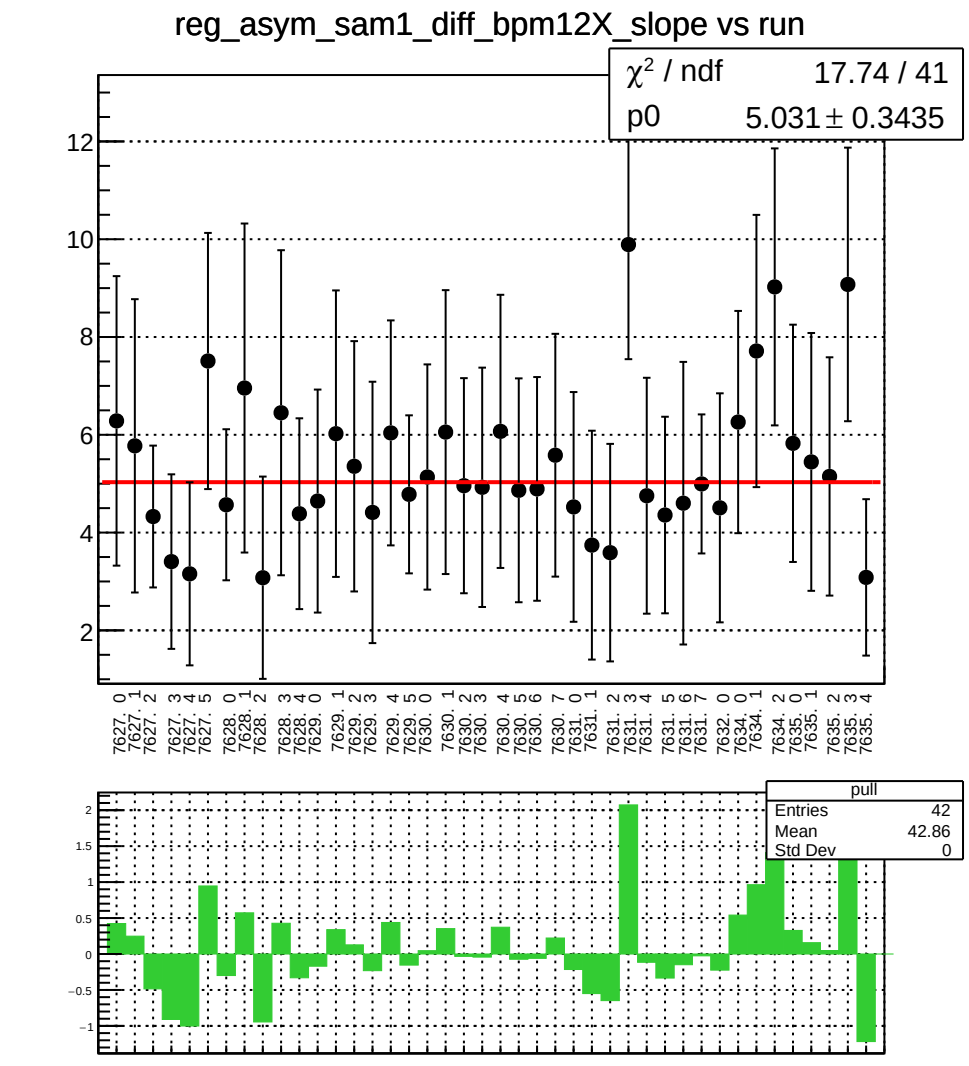

pull1D
Entries 42
Mean −0.0004564
Std Dev 0.3774
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

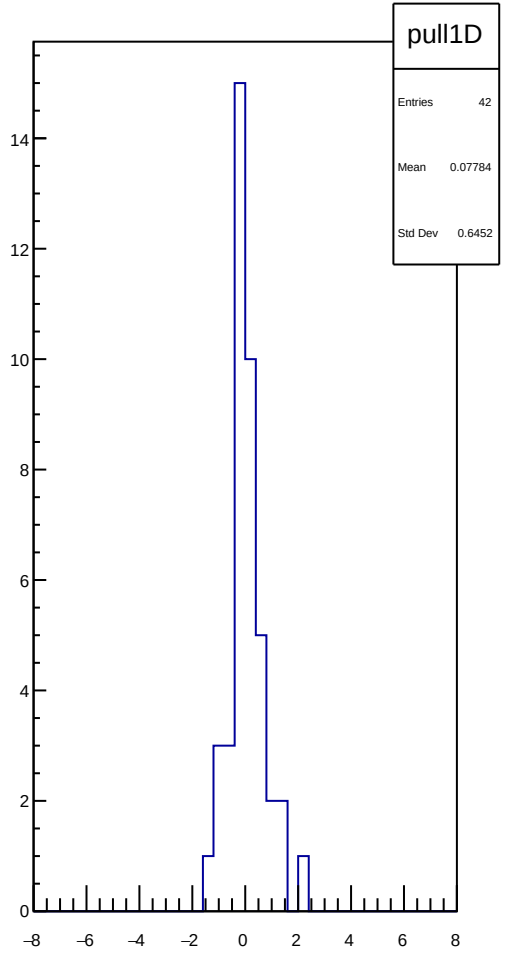

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 16.05 / 41
p0 −48.46 ± 2.145
−20
−30
−40
−50
−60
−70
−80
−90
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 20.89
Std Dev 9.52
1.5
1
0.5
0
−0.5
−1
−1.5
−2

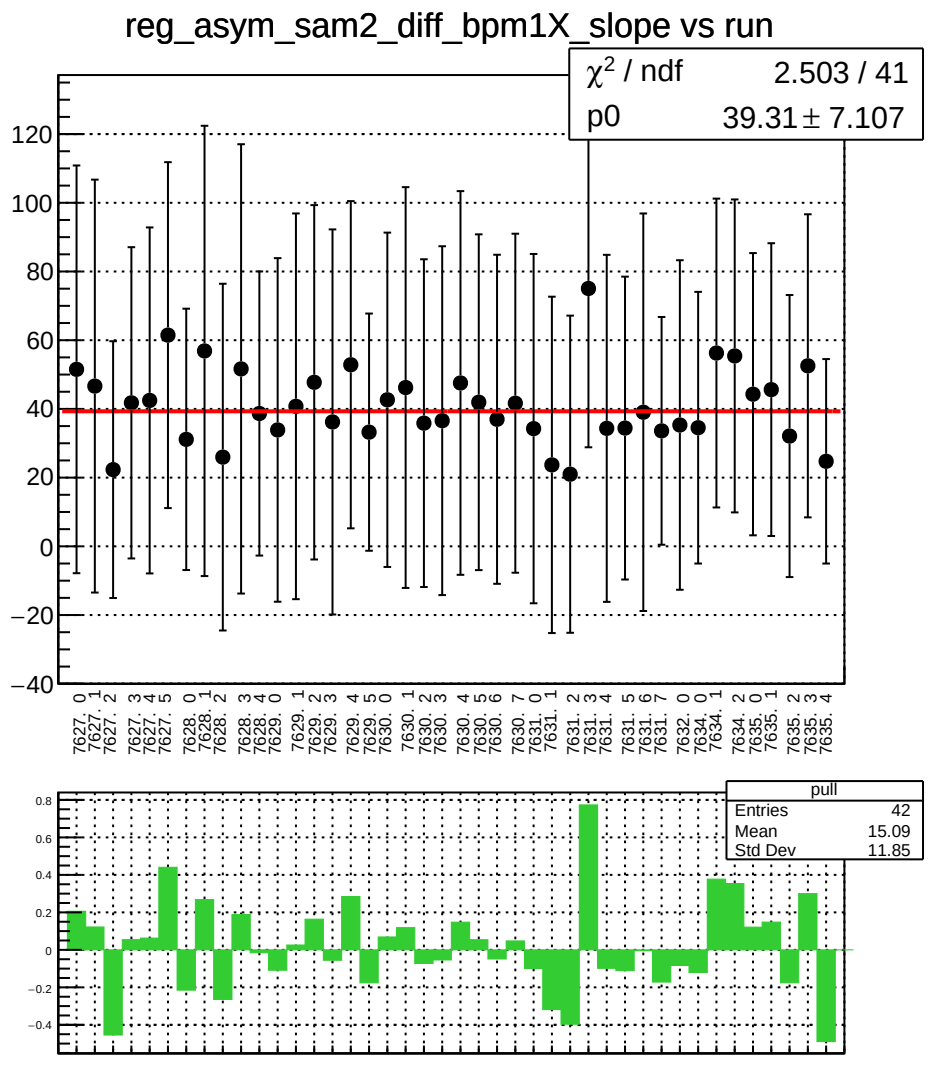

pull1D
Entries 42
Mean −0.03909
Std Dev 0.617
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

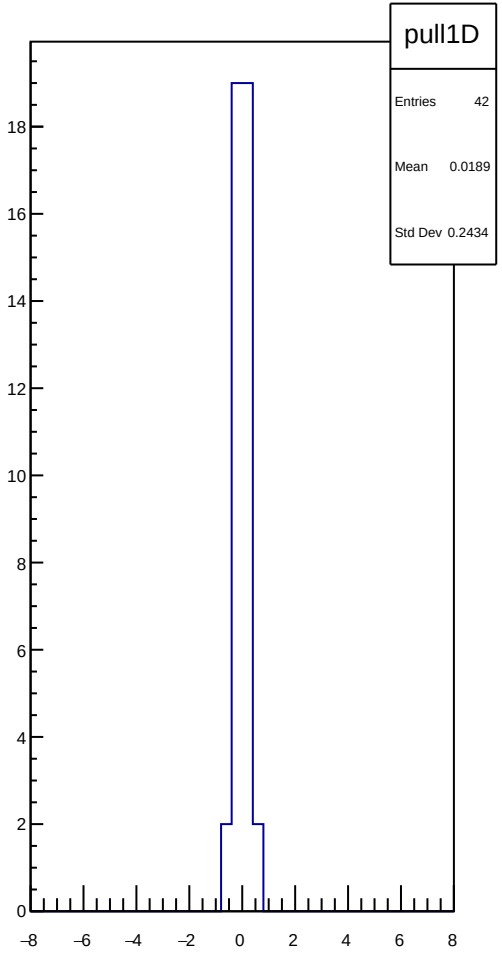

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 5.768 / 41
p0 32.73 ± 5.029
pull
Entries 42
Mean −340.5
Std Dev 0

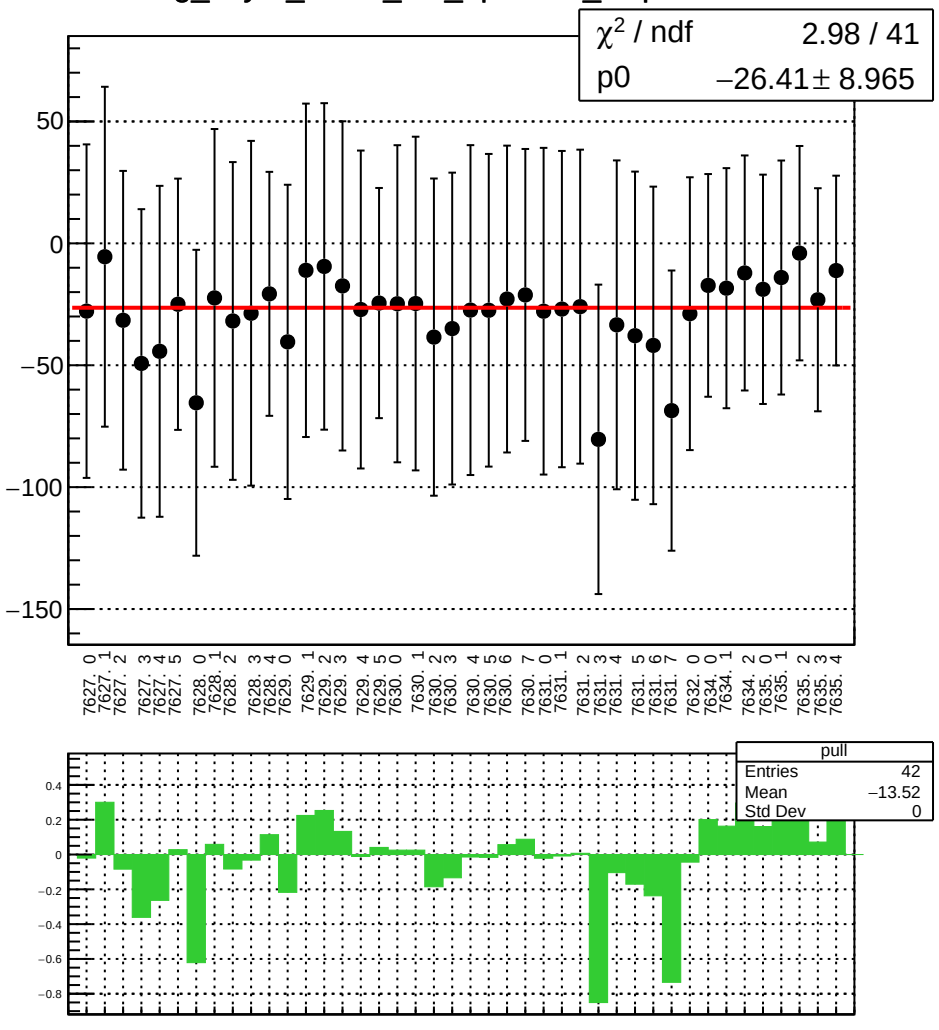

pull1D
Entries 42
Mean −0.001989
Std Dev 0.3706

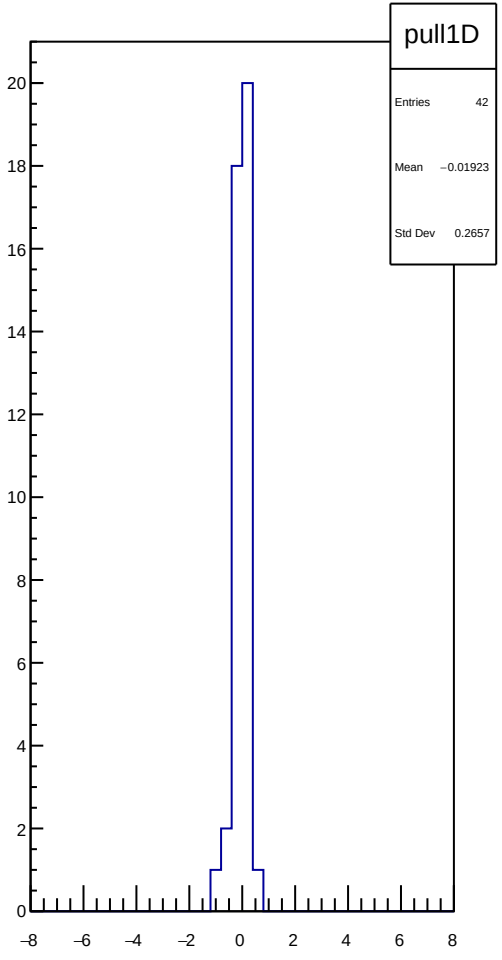

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 17.74 / 41
p0 5.031 ± 0.3435
pull
Entries 42
Mean 42.86
Std Dev 0

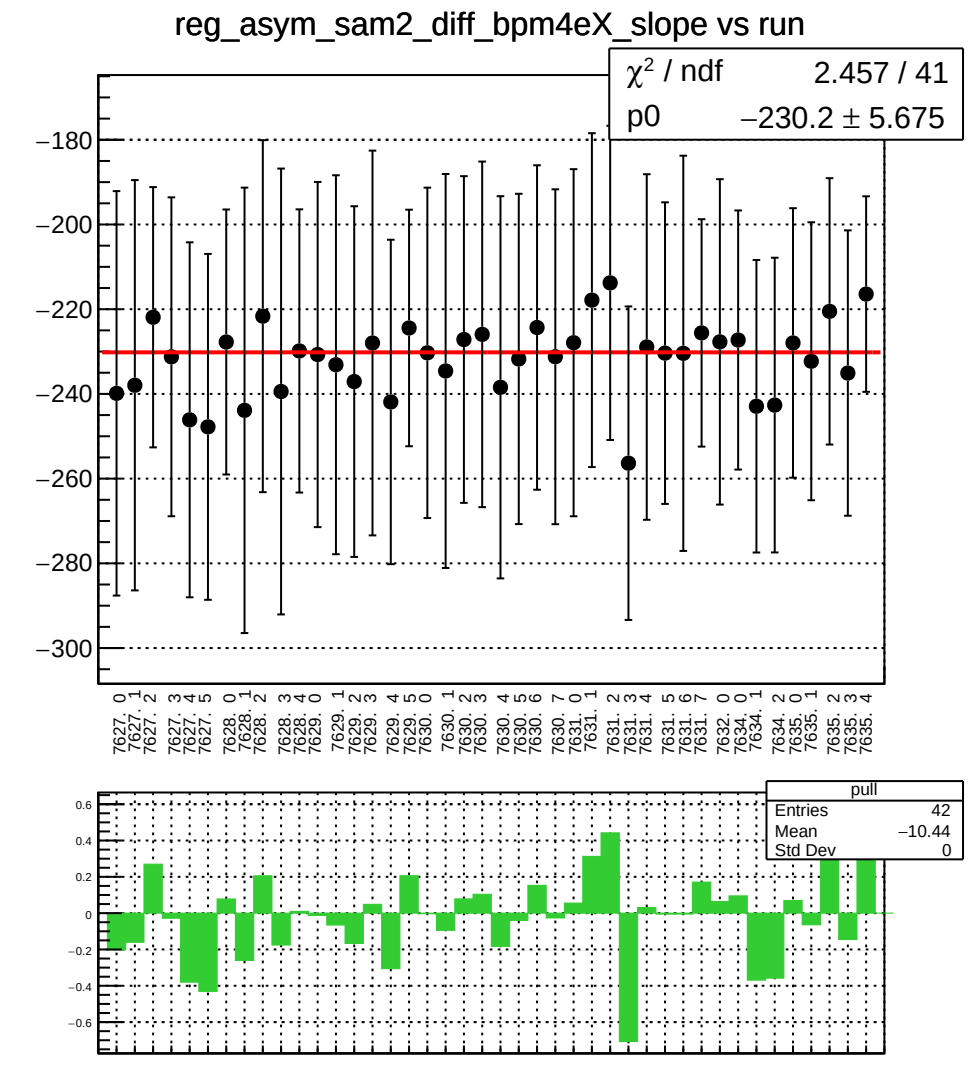

pull1D
Entries 42
Mean 0.07784
Std Dev 0.6452

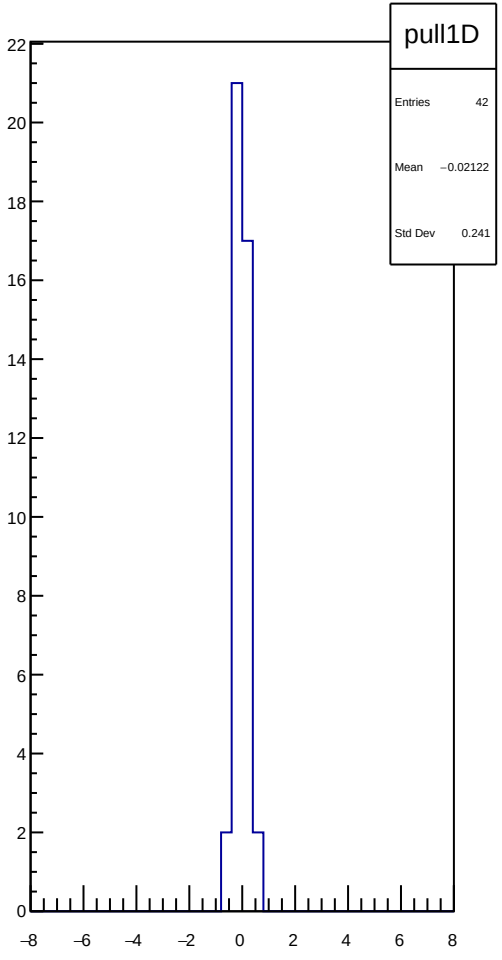

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 2.503 / 41
p0 39.31 ± 7.107
pull
Entries 42
Mean 15.09
Std Dev 11.85

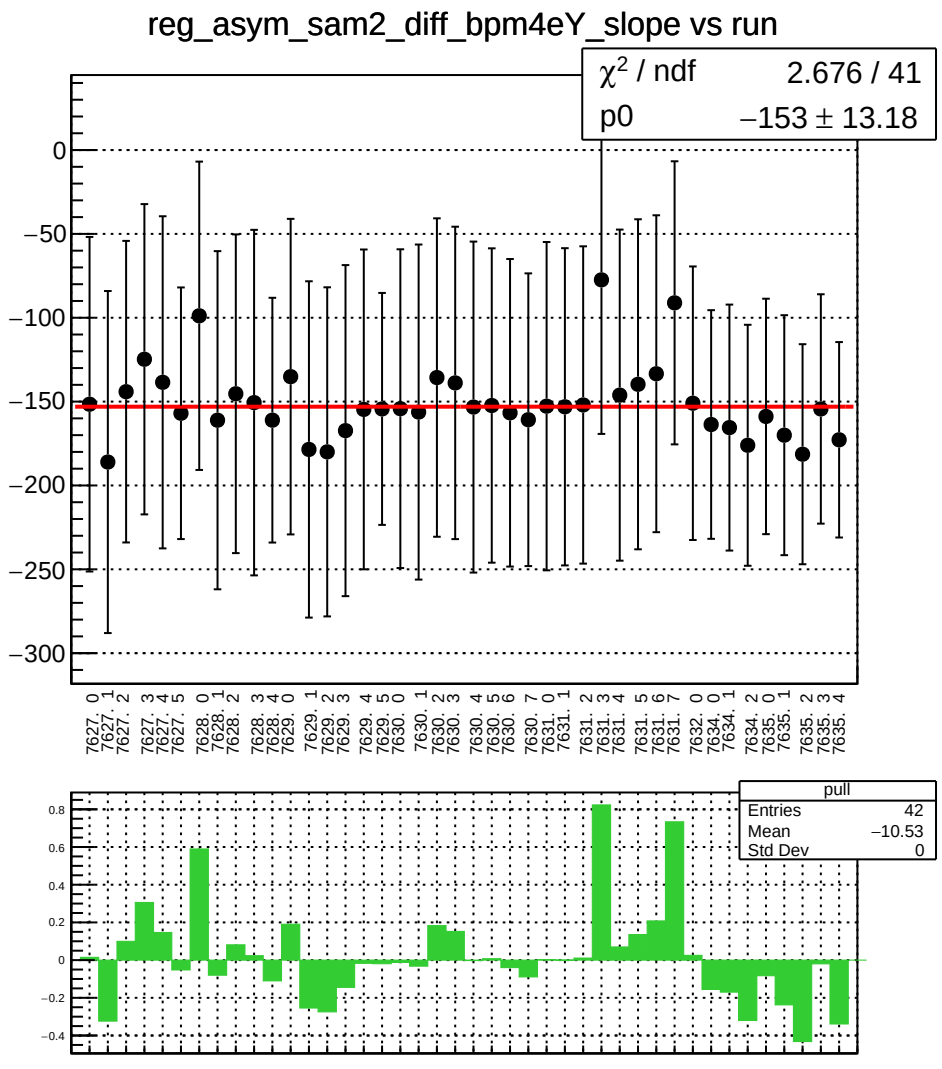

pull1D
Entries 42
Mean 0.0189
Std Dev 0.2434

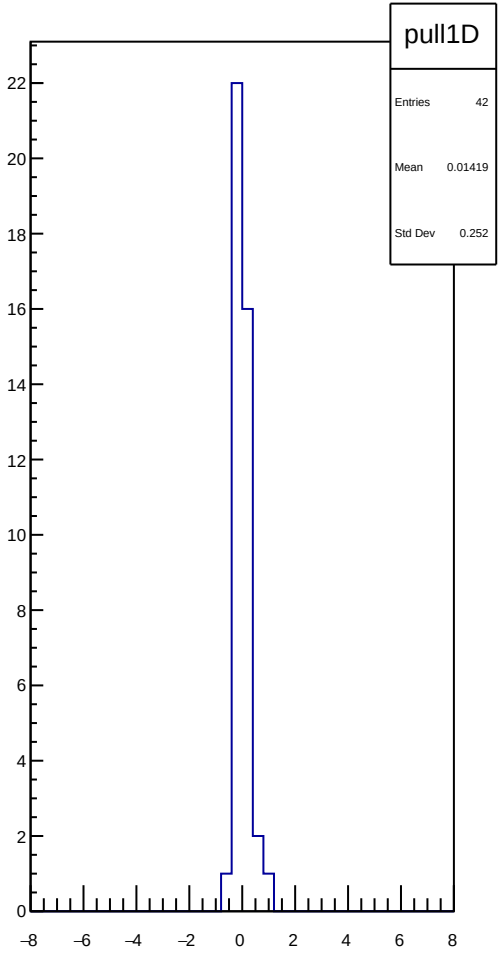

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.98 / 41
p0 −26.41 ± 8.965
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −13.52
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

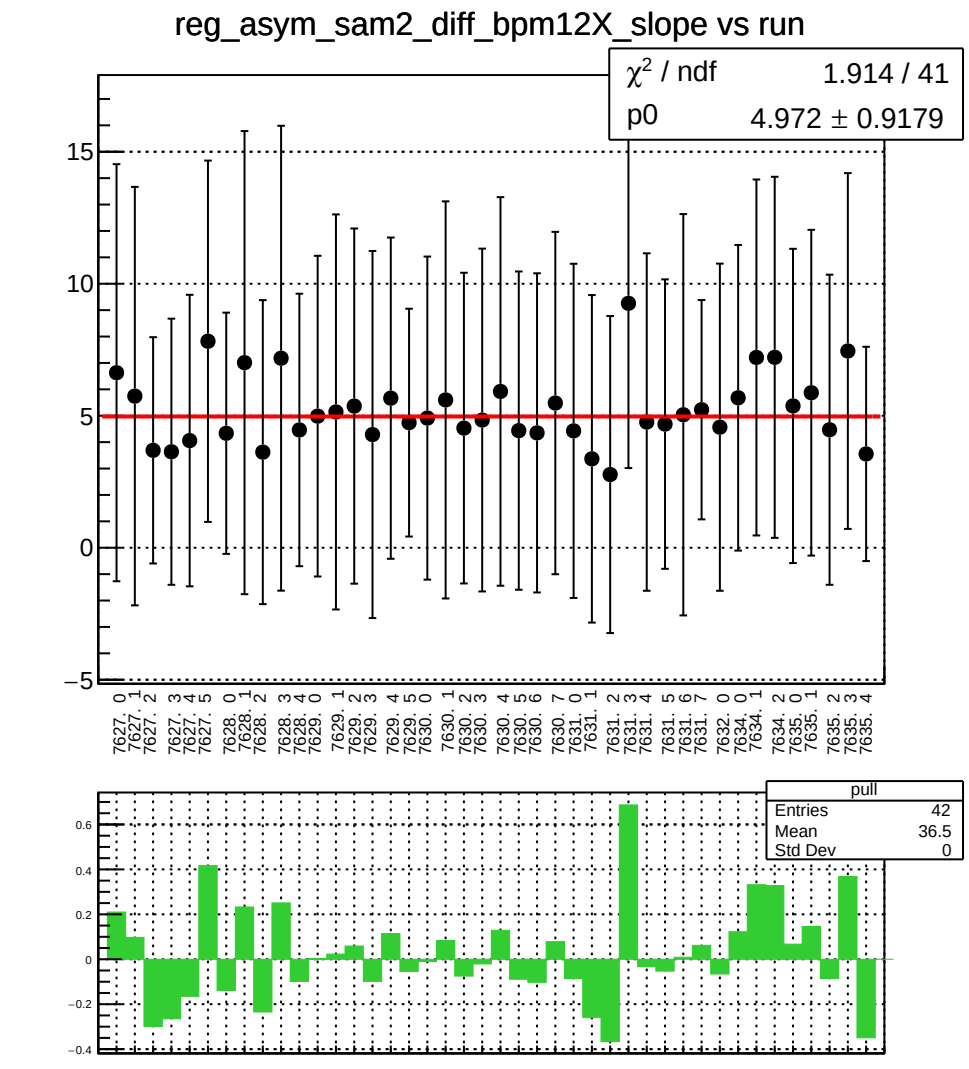

pull1D
Entries 42
Mean −0.01923
Std Dev 0.2657
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

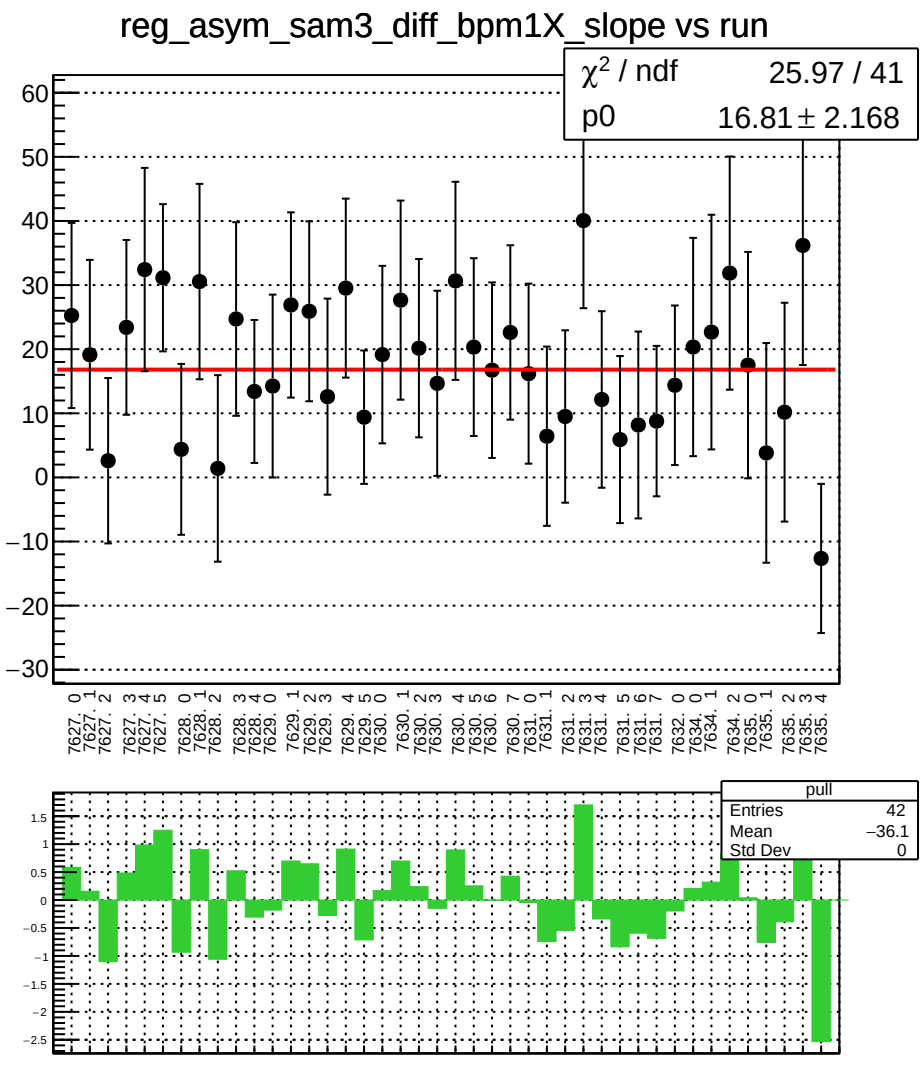

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 2.457 / 41
p0 −230.2 ± 5.675
−180
−200
−220
−240
−260
−280
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.44
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

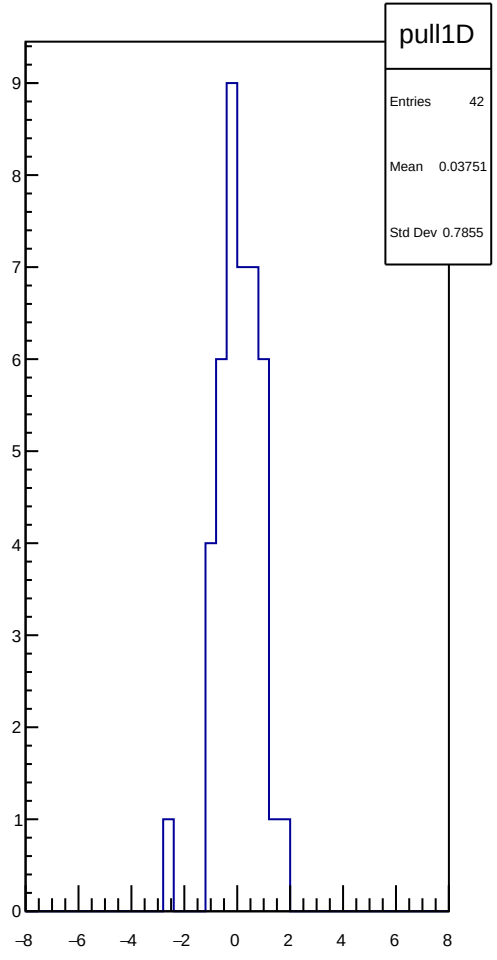

pull1D
Entries 42
Mean −0.02122
Std Dev 0.241
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

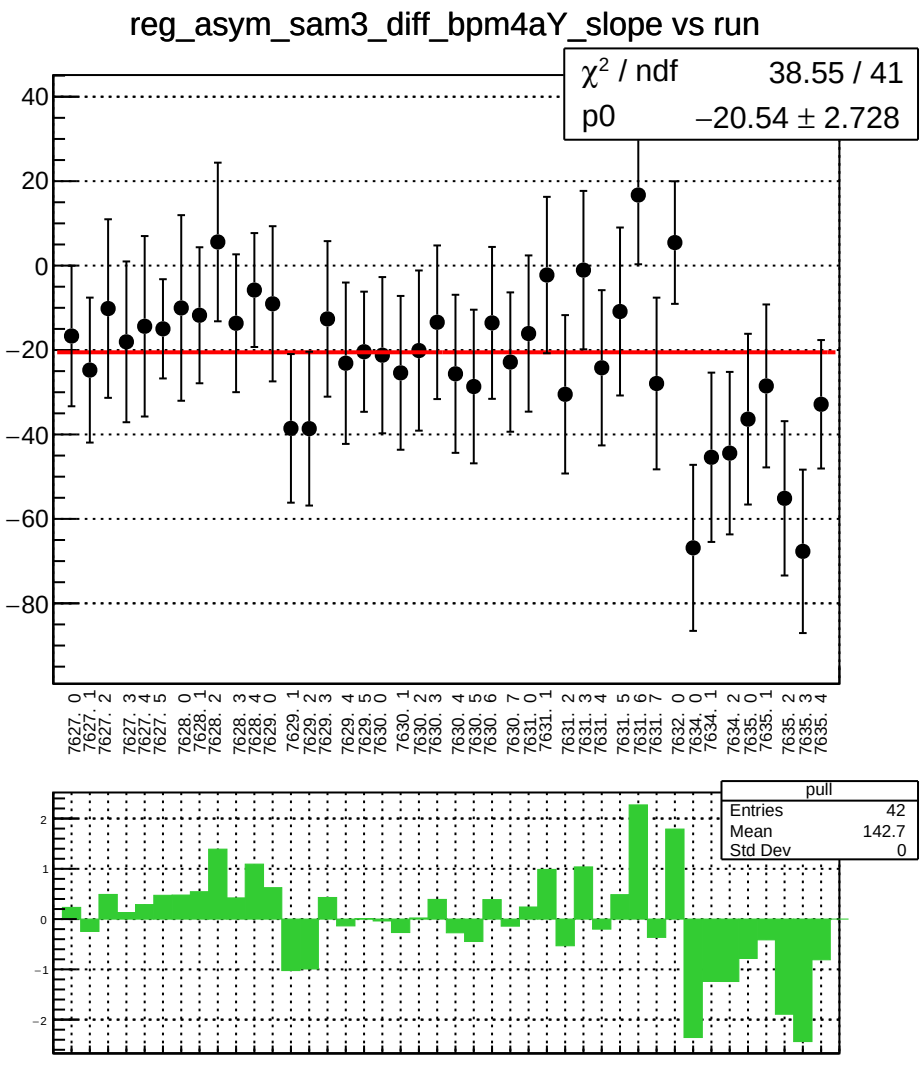

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 2.676 / 41
p0 −153 ± 13.18
0
−50
−100
−150
−200
−250
−300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −10.53
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4

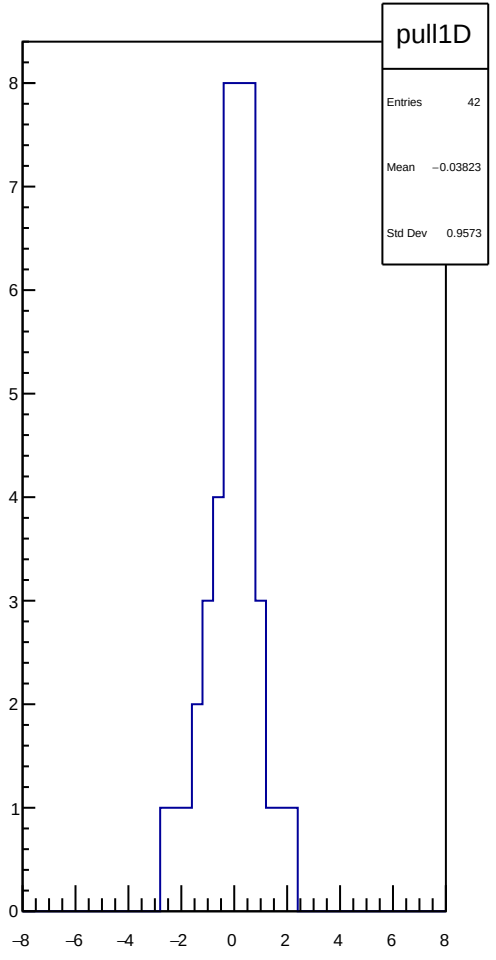

pull1D
Entries 42
Mean 0.01419
Std Dev 0.252
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

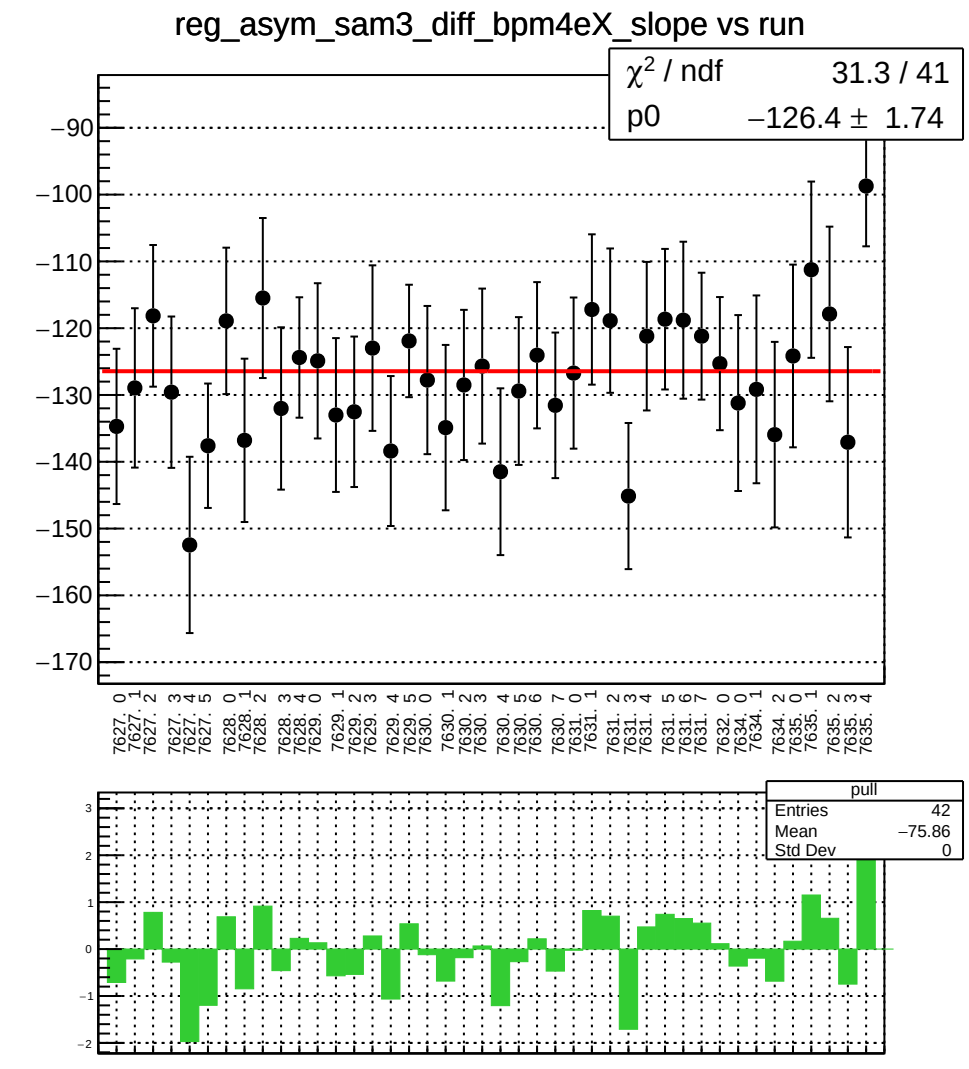

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.914 / 41
p0 4.972 ± 0.9179
pull
Entries 42
Mean 36.5
Std Dev 0
pull1D
Entries 42
Mean 0.02074
Std Dev 0.2125

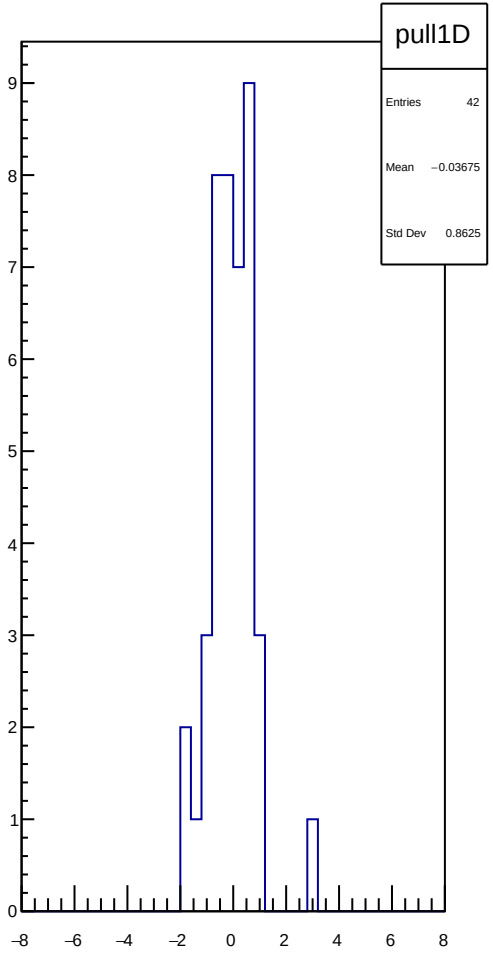

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 25.97 / 41
p0 16.81 ± 2.168
pull
Entries 42
Mean −36.1
Std Dev 0

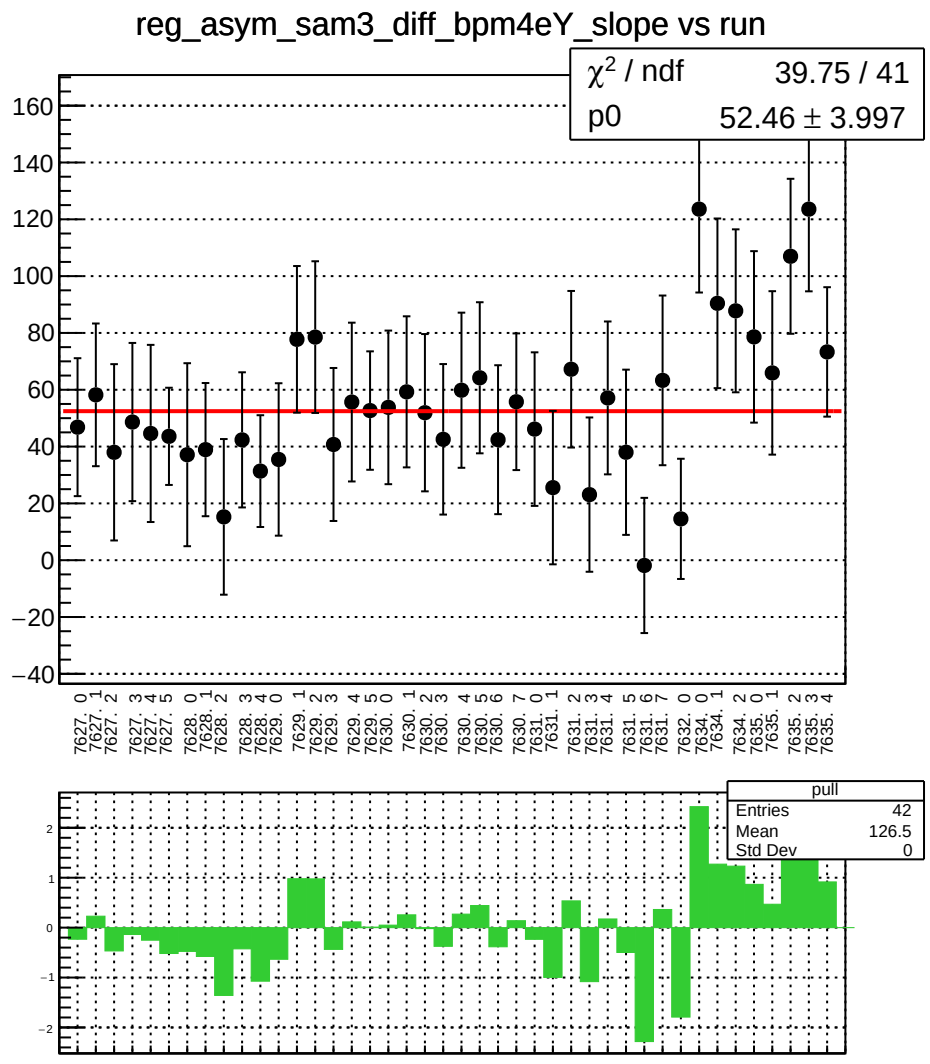

pull1D
Entries 42
Mean 0.03751
Std Dev 0.7855

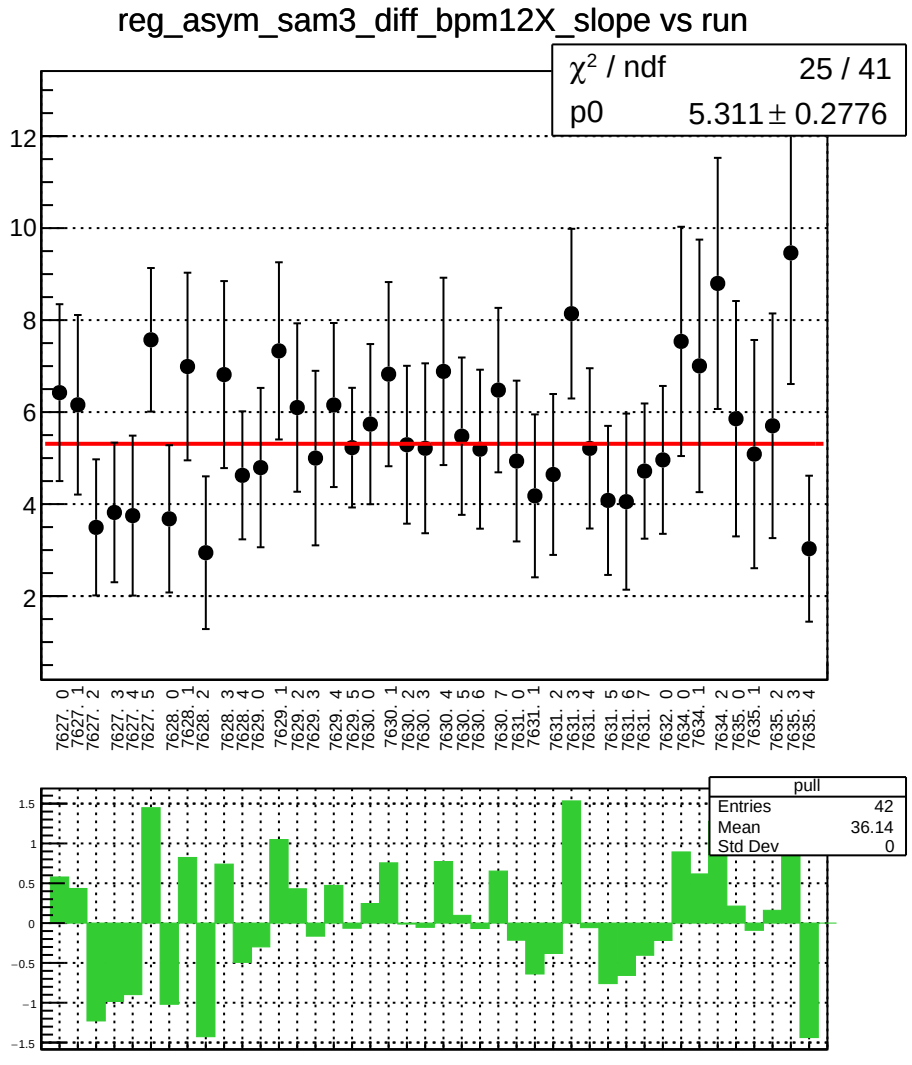

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 38.55 / 41
p0 −20.54 ± 2.728
pull
Entries 42
Mean 142.7
Std Dev 0

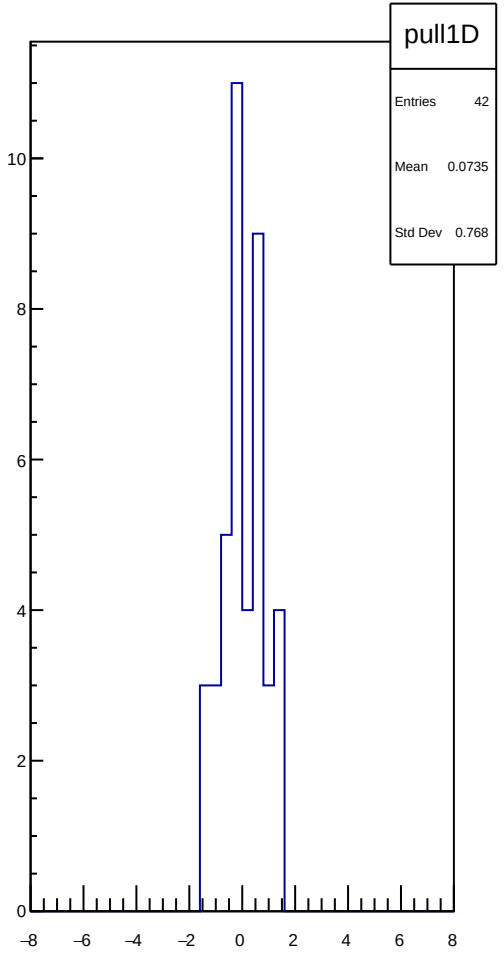

pull1D
Entries 42
Mean −0.03823
Std Dev 0.9573

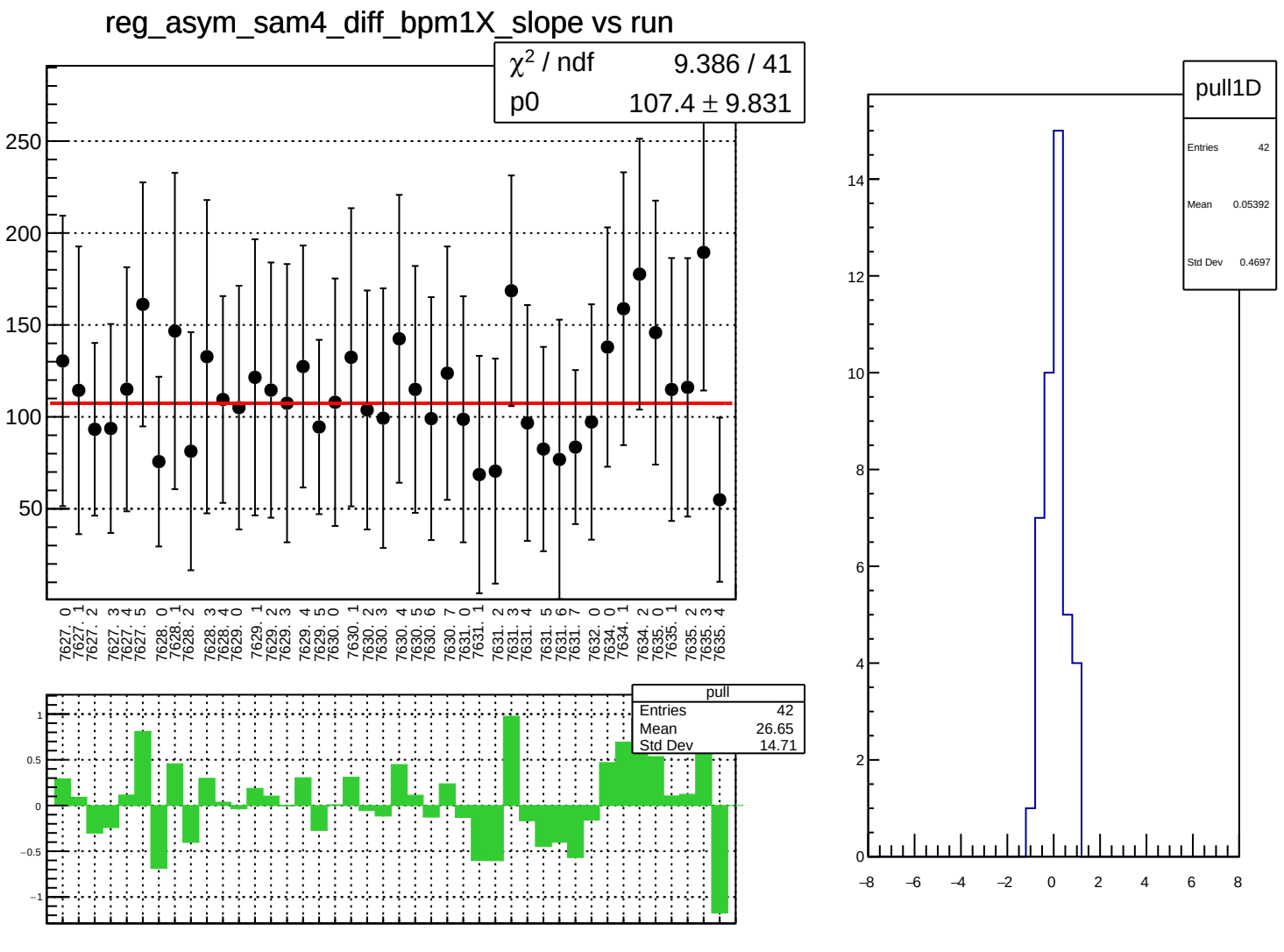

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 31.3 / 41
p0 −126.4 ± 1.74
pull
Entries 42
Mean −75.86
Std Dev 0

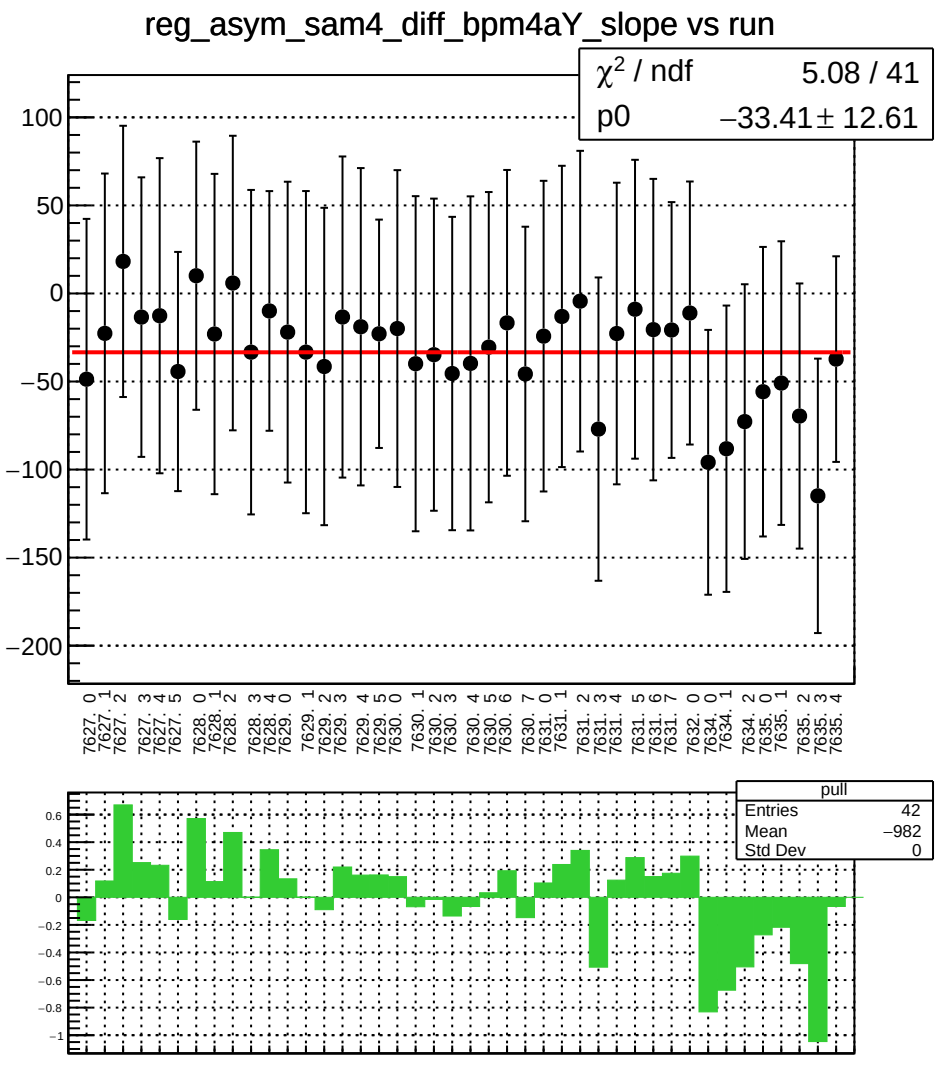

pull1D
Entries 42
Mean −0.03675
Std Dev 0.8625

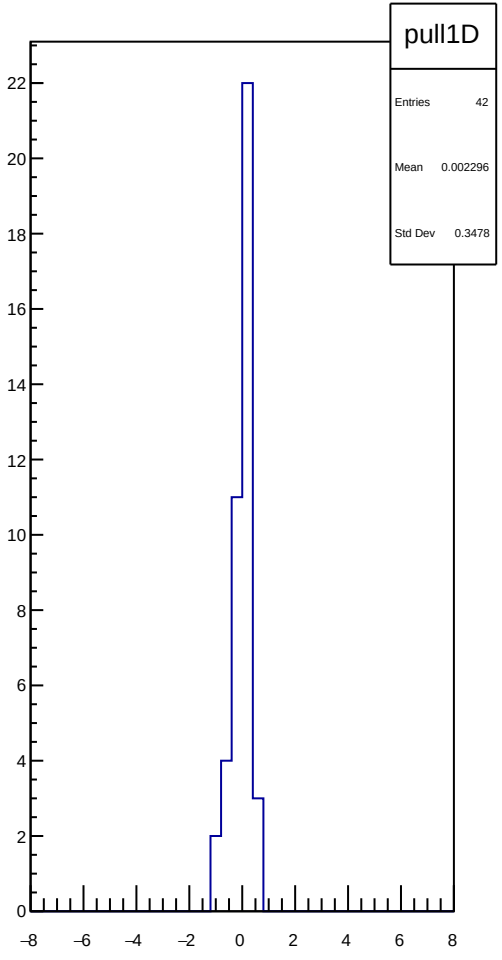

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 39.75 / 41
p0 52.46 ± 3.997
160
140
120
100
80
60
40
20
0
−20
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 126.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean 0.04591
Std Dev 0.9718
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

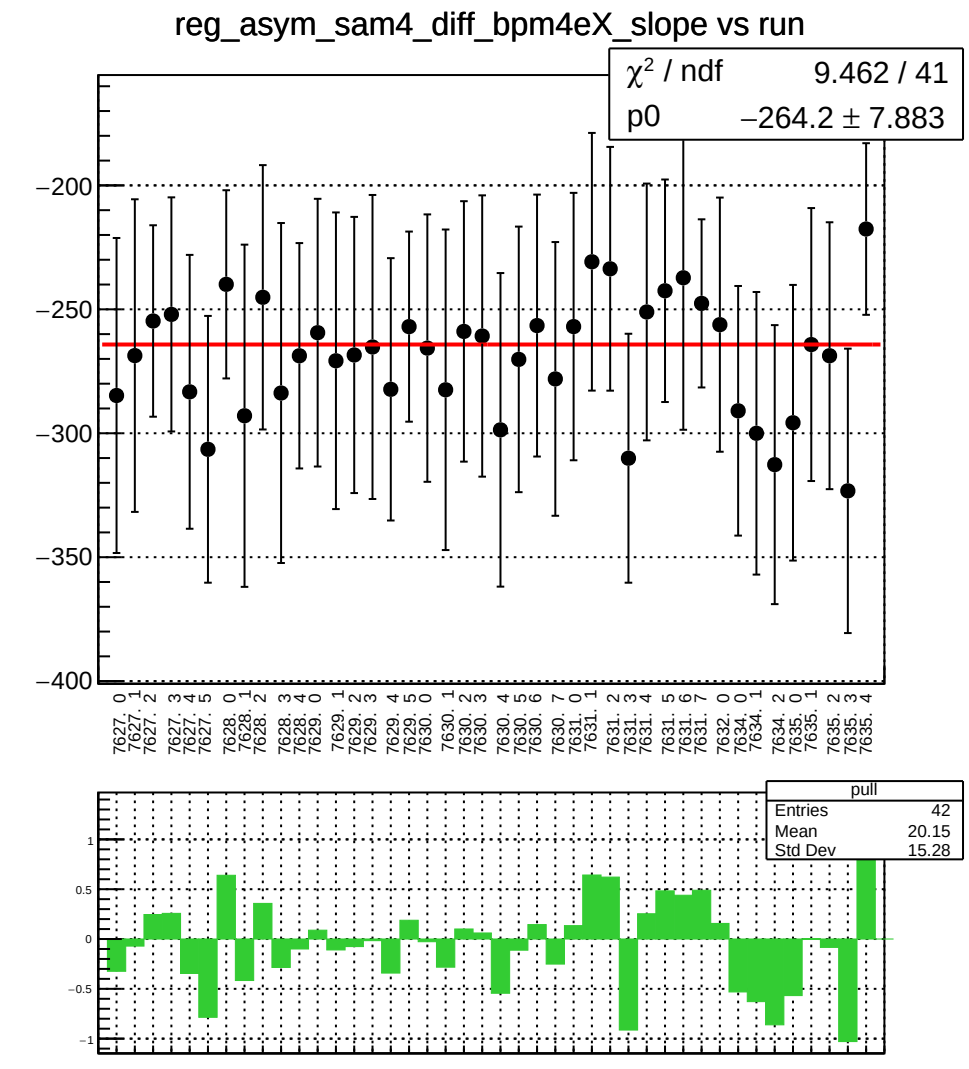

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 25 / 41
p0 5.311 ± 0.2776
pull
Entries 42
Mean 36.14
Std Dev 0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4

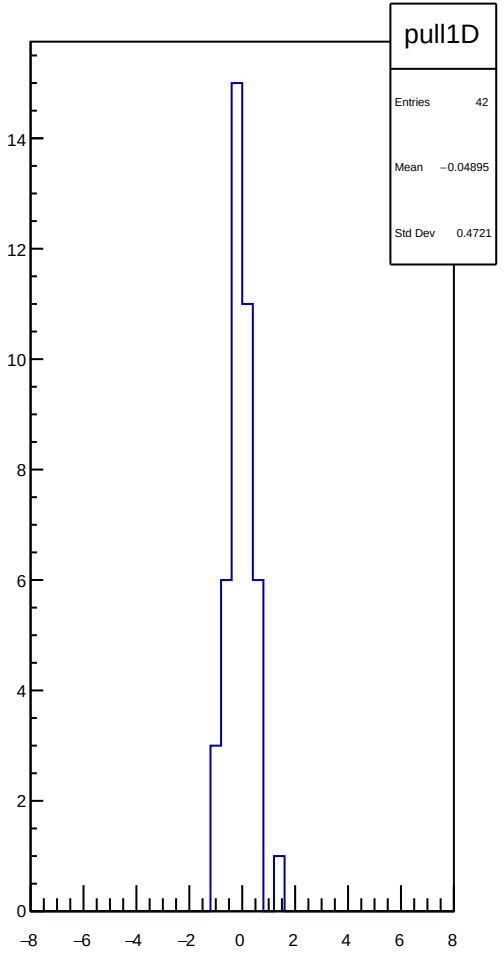

pull1D
Entries 42
Mean 0.0735
Std Dev 0.768

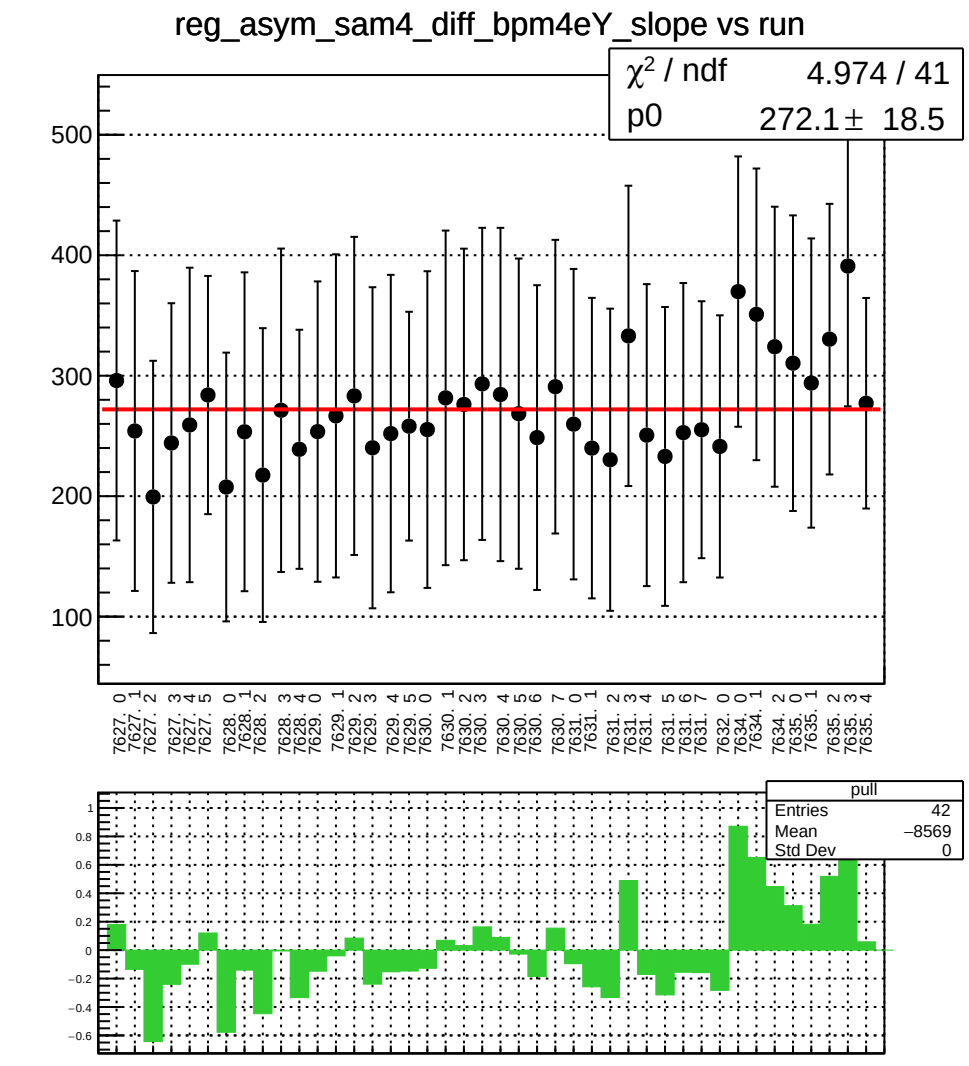

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 9.386 / 41
p0 107.4 ± 9.831
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 26.65
Std Dev 14.71
1
0.5
0
−0.5
−1
pull1D
Entries 42
Mean 0.05392
Std Dev 0.4697
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

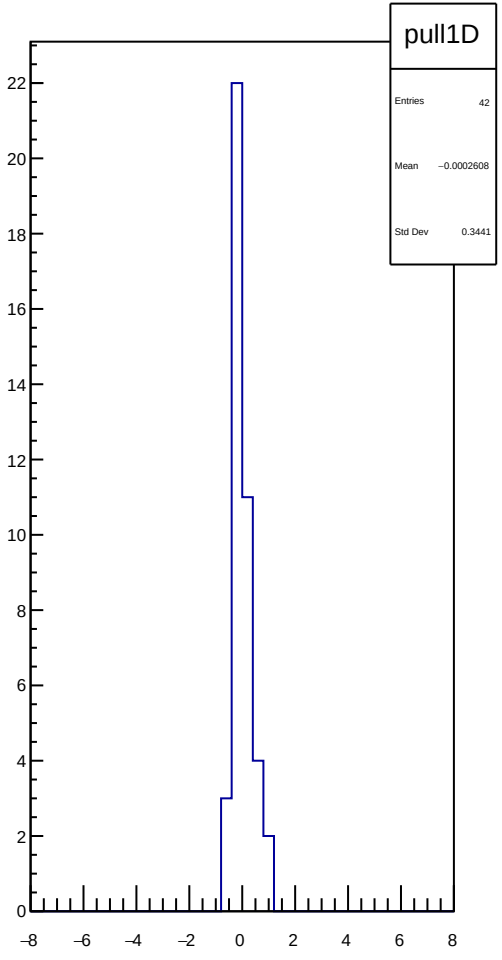

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 5.08 / 41
p0 −33.41 ± 12.61
pull
Entries 42
Mean −982
Std Dev 0

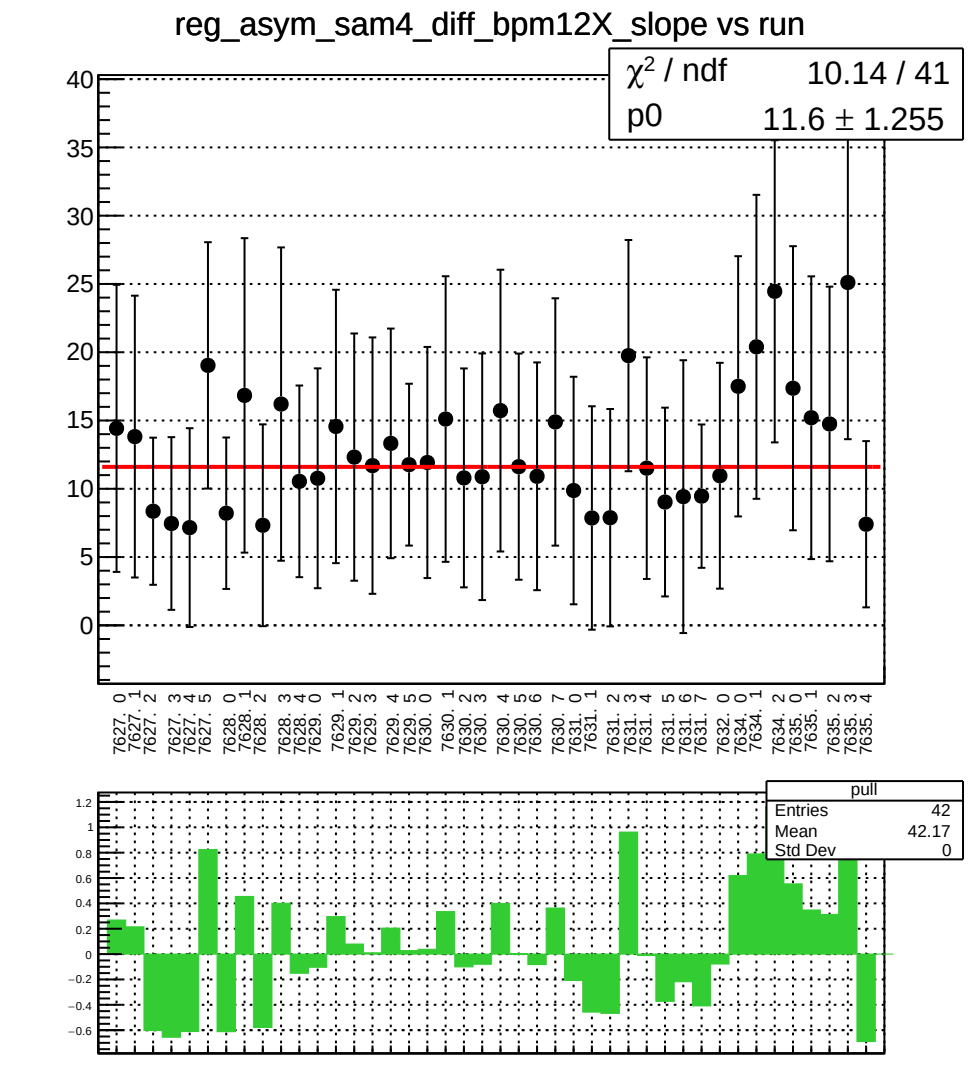

pull1D
Entries 42
Mean 0.002296
Std Dev 0.3478

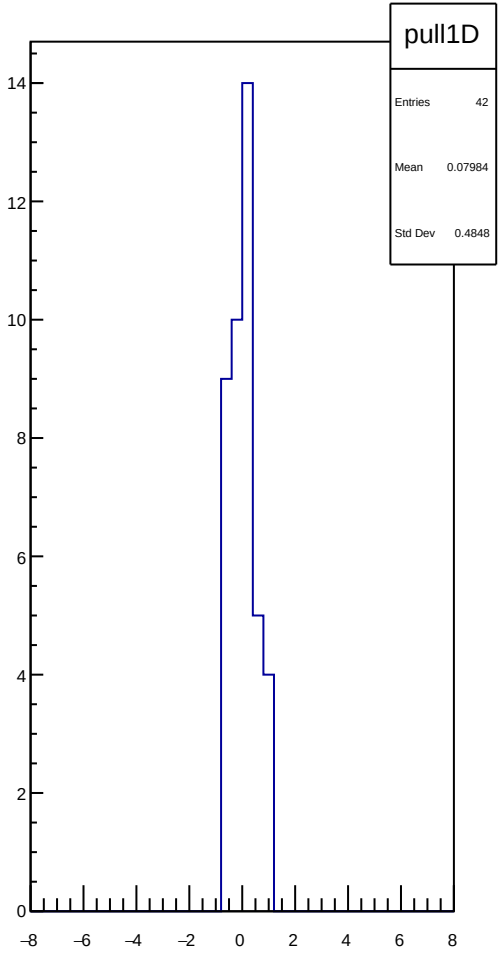

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 9.462 / 41
p0 −264.2 ± 7.883
−200
−250
−300
−350
−400
pull
Entries 42
Mean 20.15
Std Dev 15.28
1
0.5
0
−0.5
−1

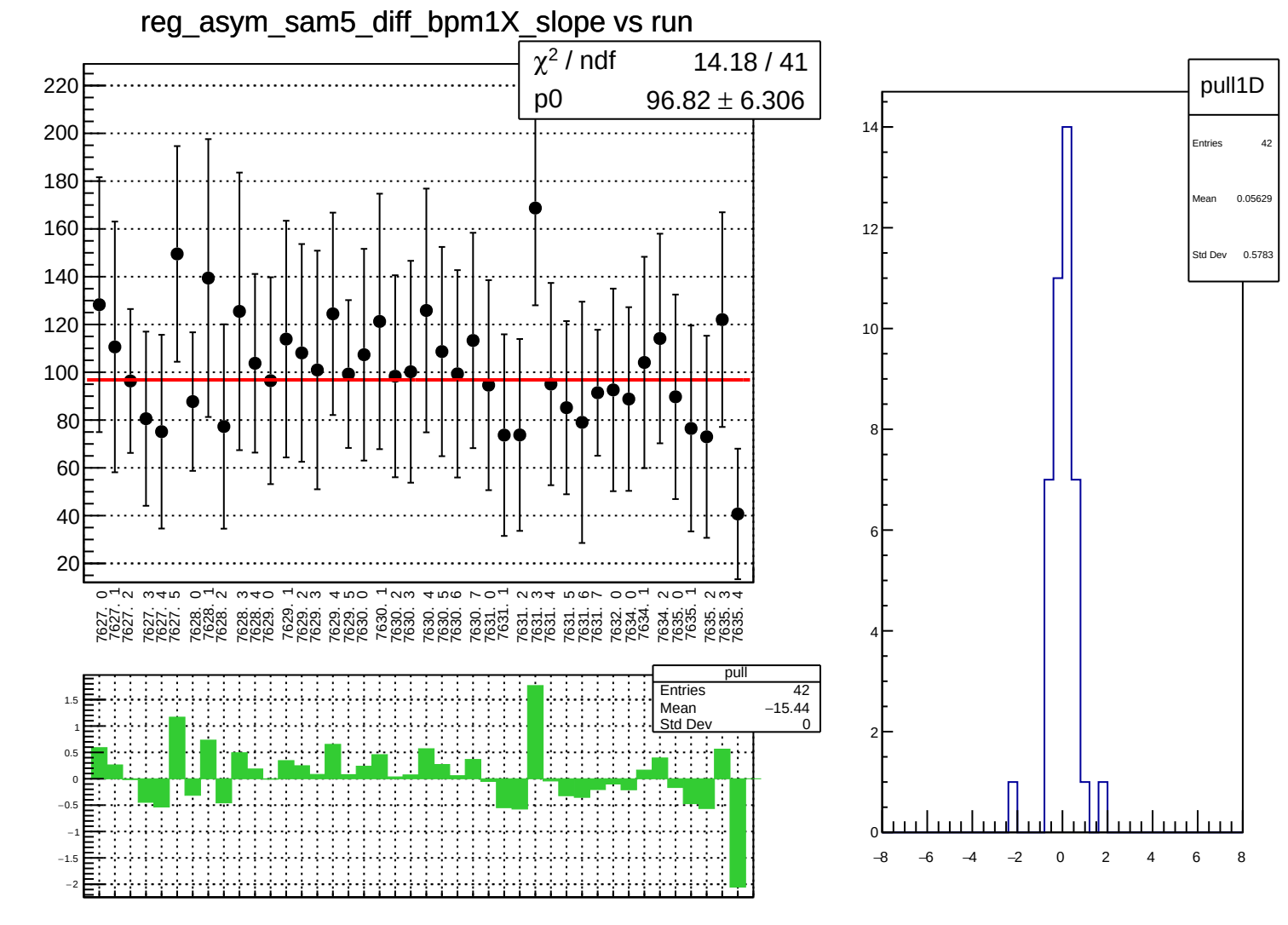

pull1D
Entries 42
Mean −0.04895
Std Dev 0.4721
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

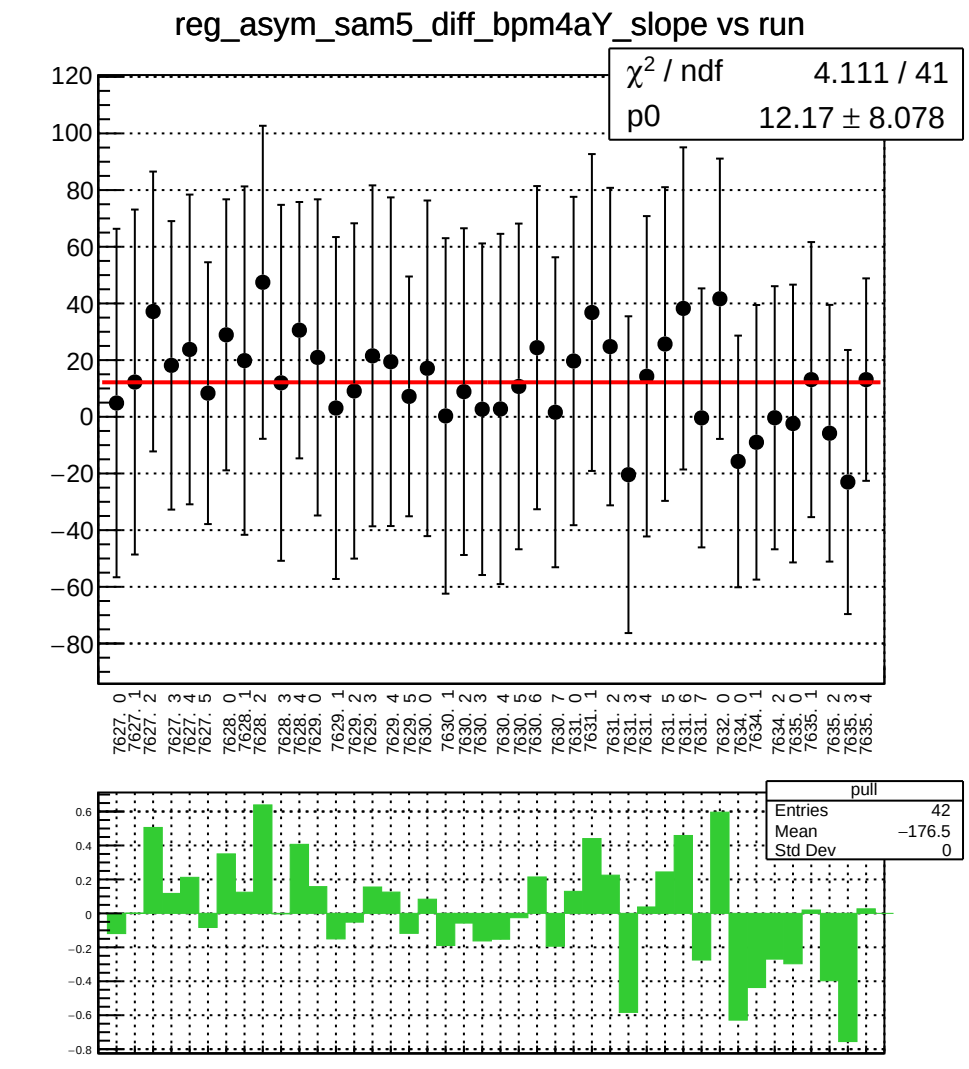

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 4.974 / 41
p0 272.1 ± 18.5
500
400
300
200
100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −8569
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

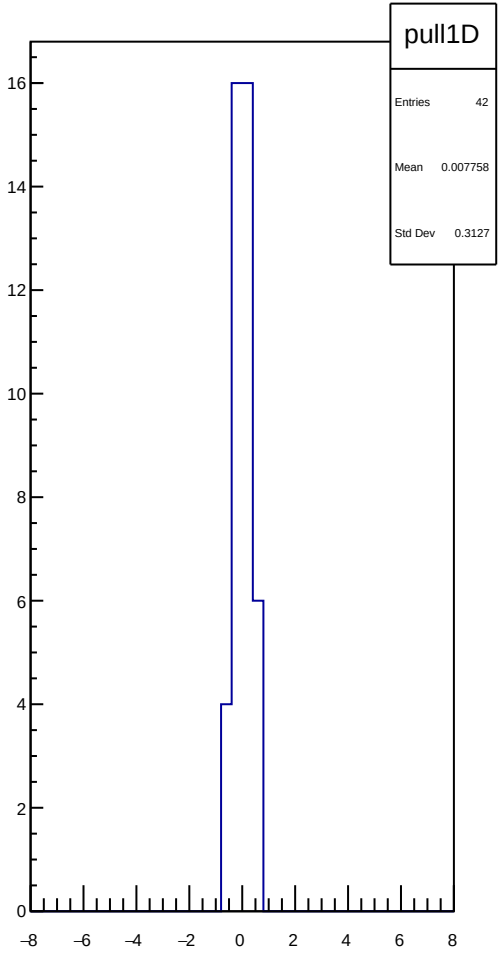

pull1D
Entries 42
Mean −0.0002608
Std Dev 0.3441
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

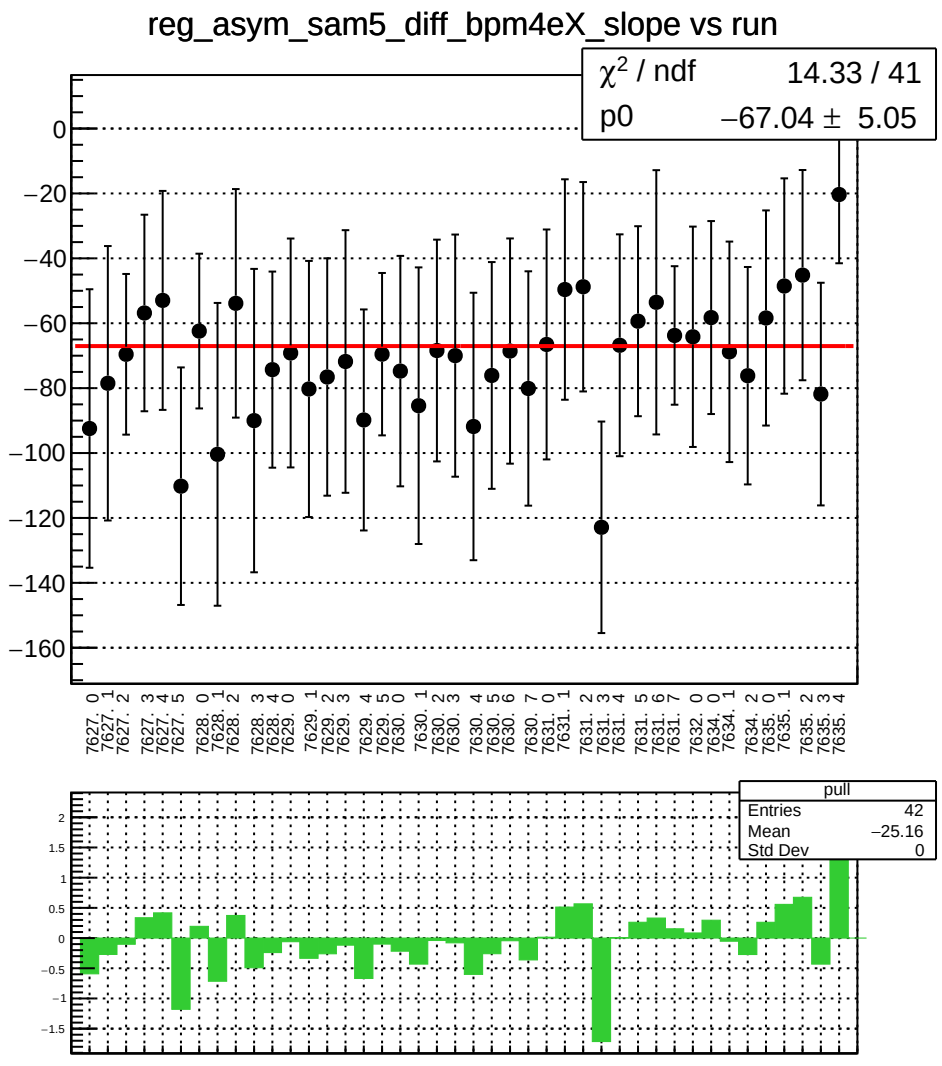

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 10.14 / 41
p0 11.6 ± 1.255
pull
Entries 42
Mean 42.17
Std Dev 0

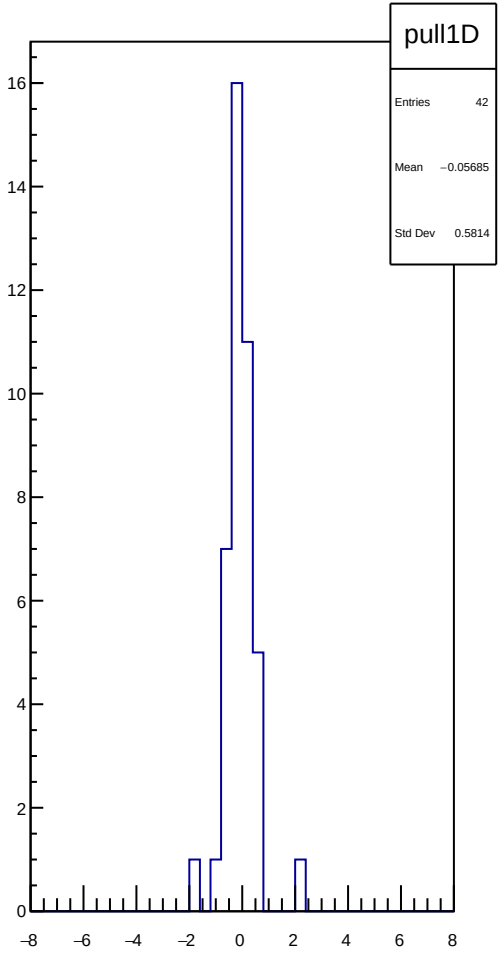

pull1D
Entries 42
Mean 0.07984
Std Dev 0.4848

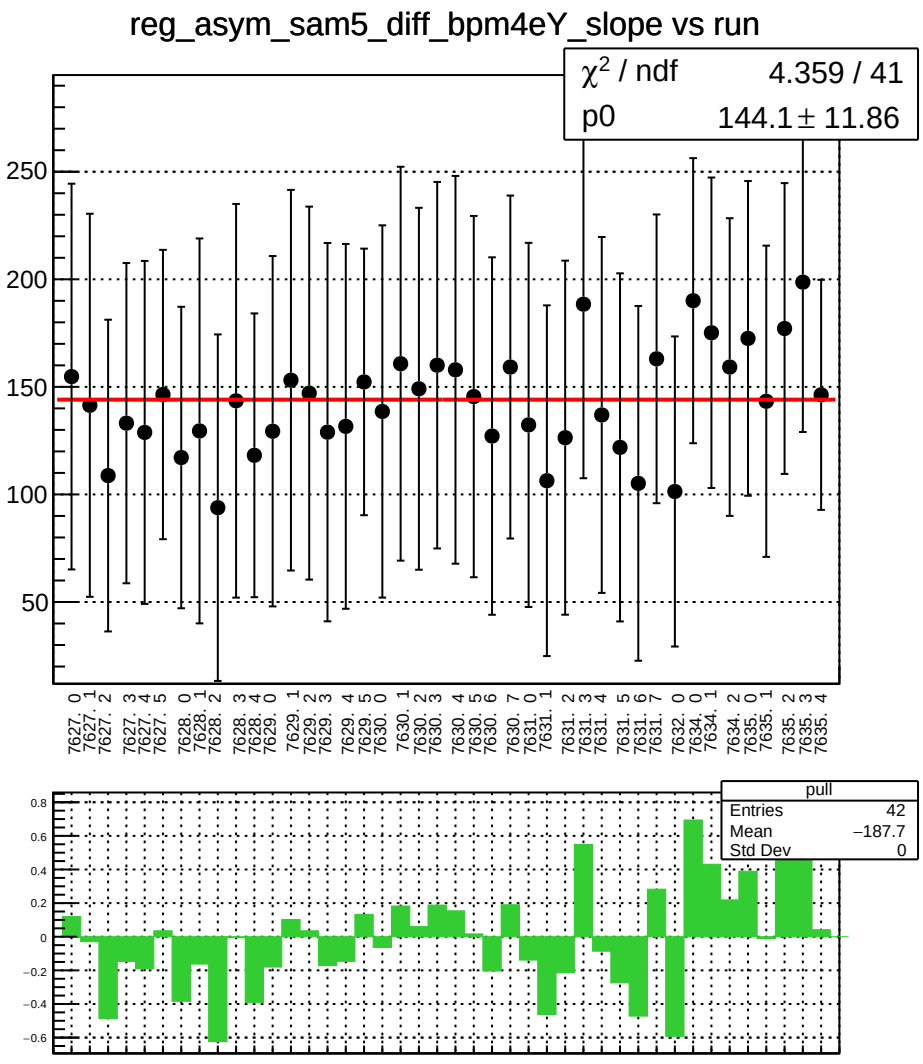

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 14.18 / 41
p0 96.82 ± 6.306
pull
Entries 42
Mean −15.44
Std Dev 0
pull1D
Entries 42
Mean 0.05629
Std Dev 0.5783

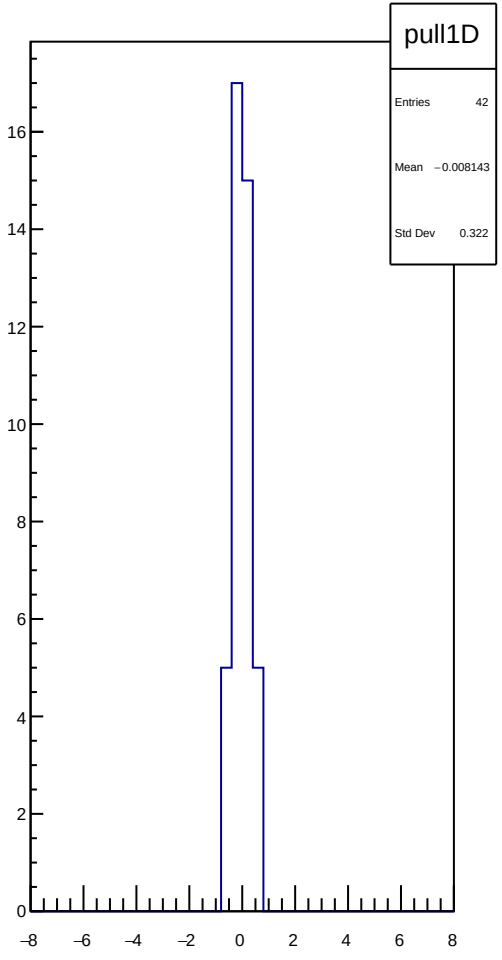

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 4.111 / 41
p0 12.17 ± 8.078
pull
Entries 42
Mean −176.5
Std Dev 0

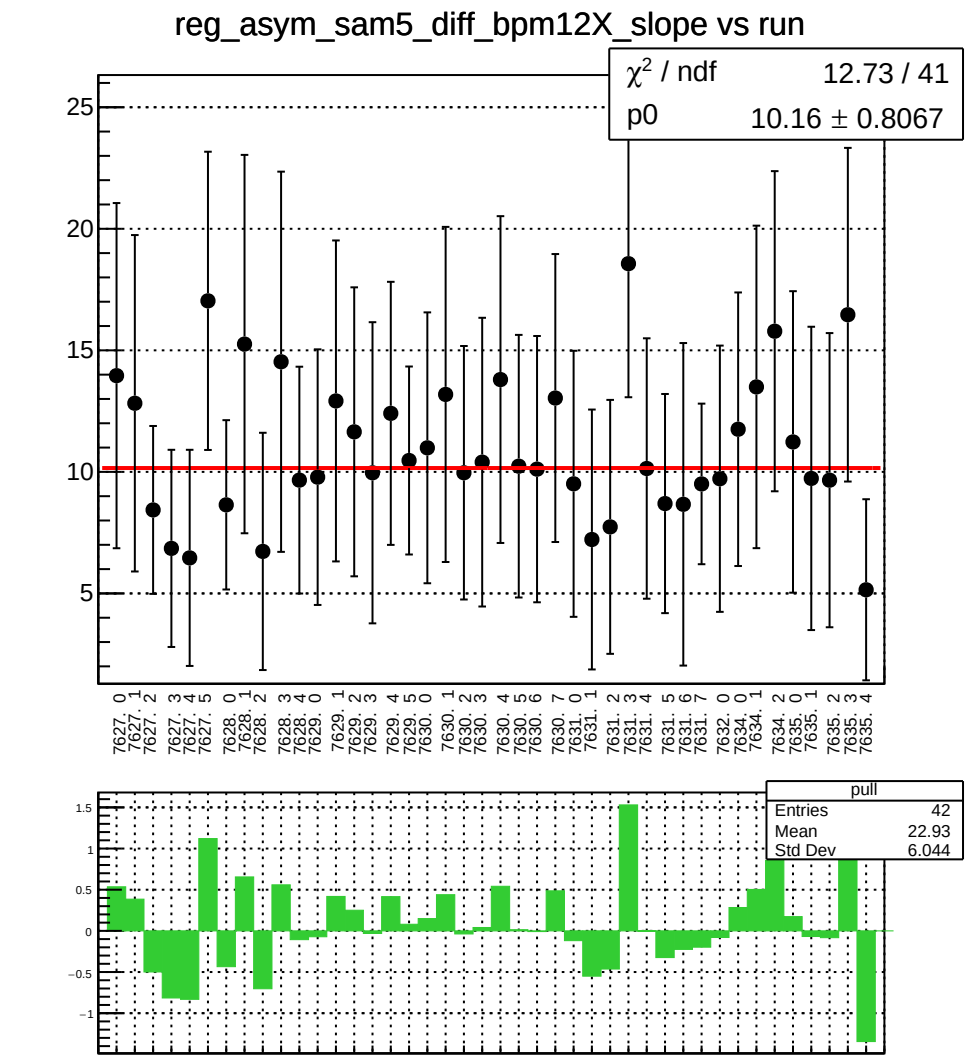

pull1D
Entries 42
Mean 0.007758
Std Dev 0.3127

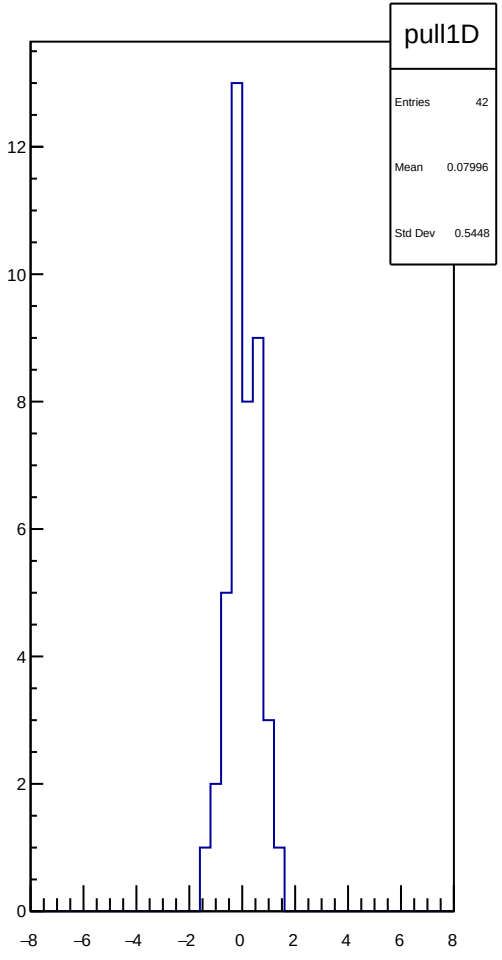

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 14.33 / 41
p0 −67.04 ± 5.05
pull
Entries 42
Mean −25.16
Std Dev 0

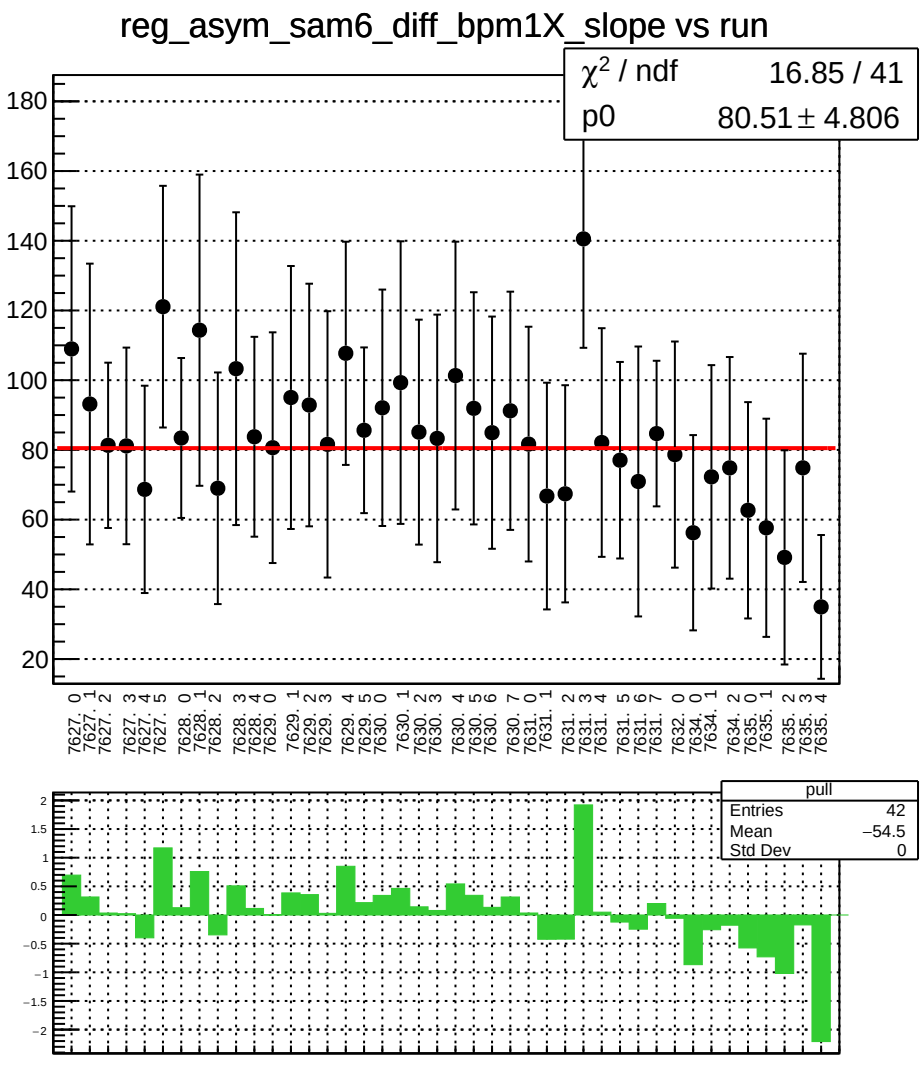

pull1D
Entries 42
Mean −0.05685
Std Dev 0.5814

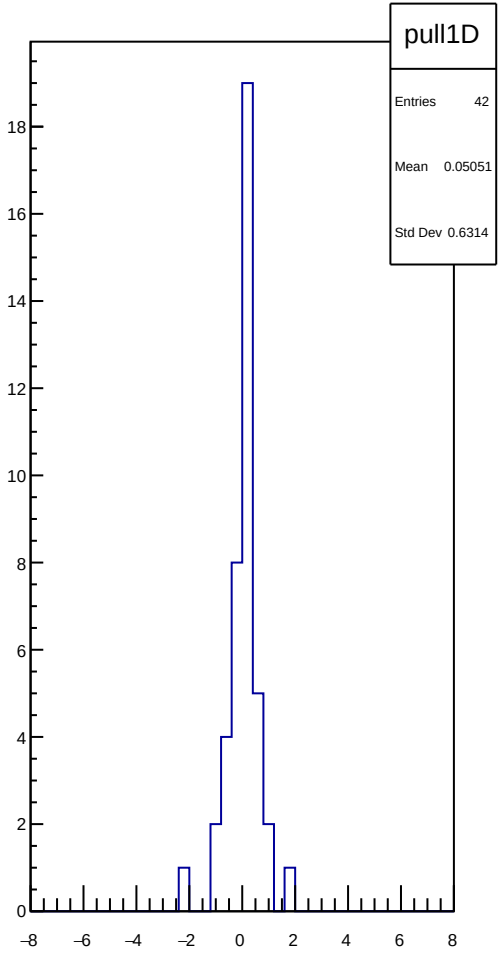

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 4.359 / 41
p0 144.1 ± 11.86
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −187.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

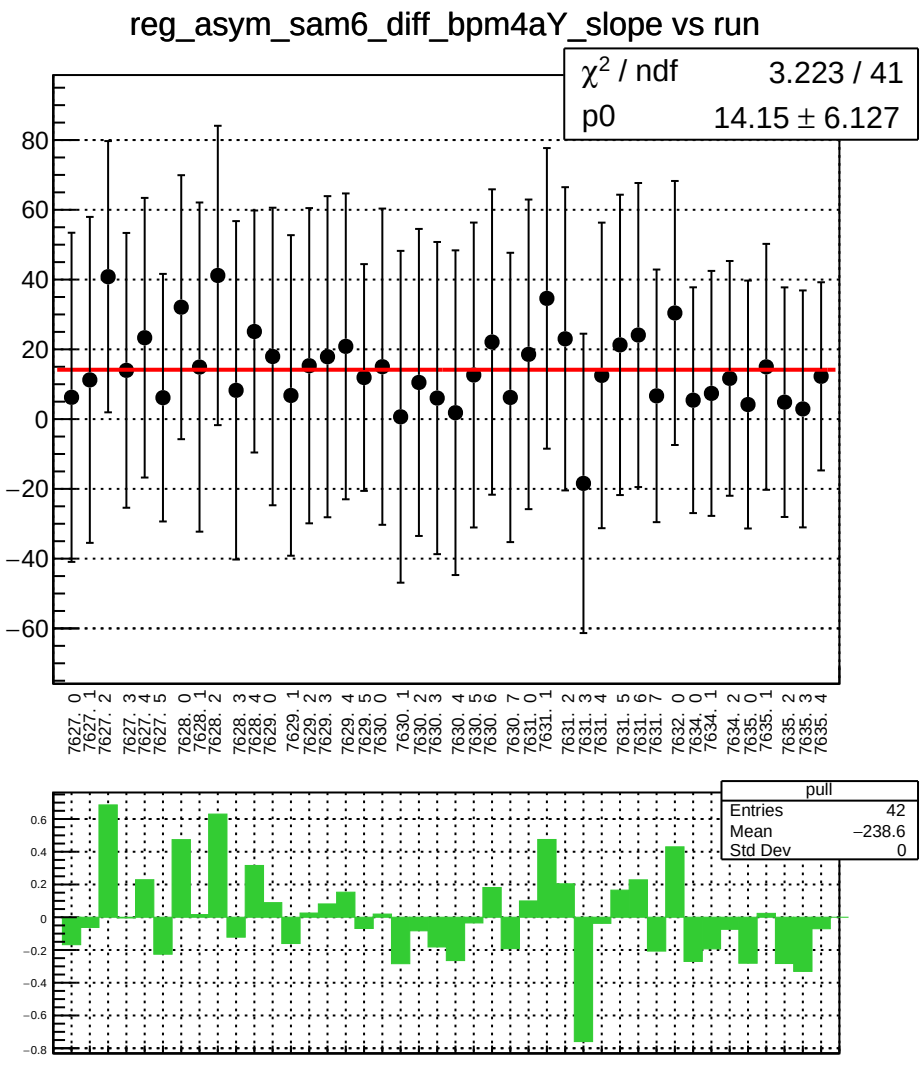

pull1D
Entries 42
Mean −0.008143
Std Dev 0.322
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

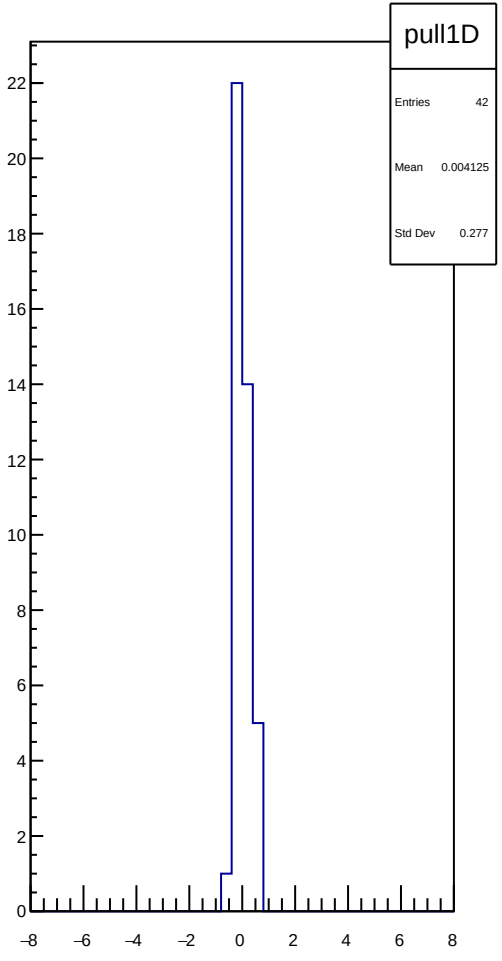

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 12.73 / 41
p0 10.16 ± 0.8067
pull
Entries 42
Mean 22.93
Std Dev 6.044

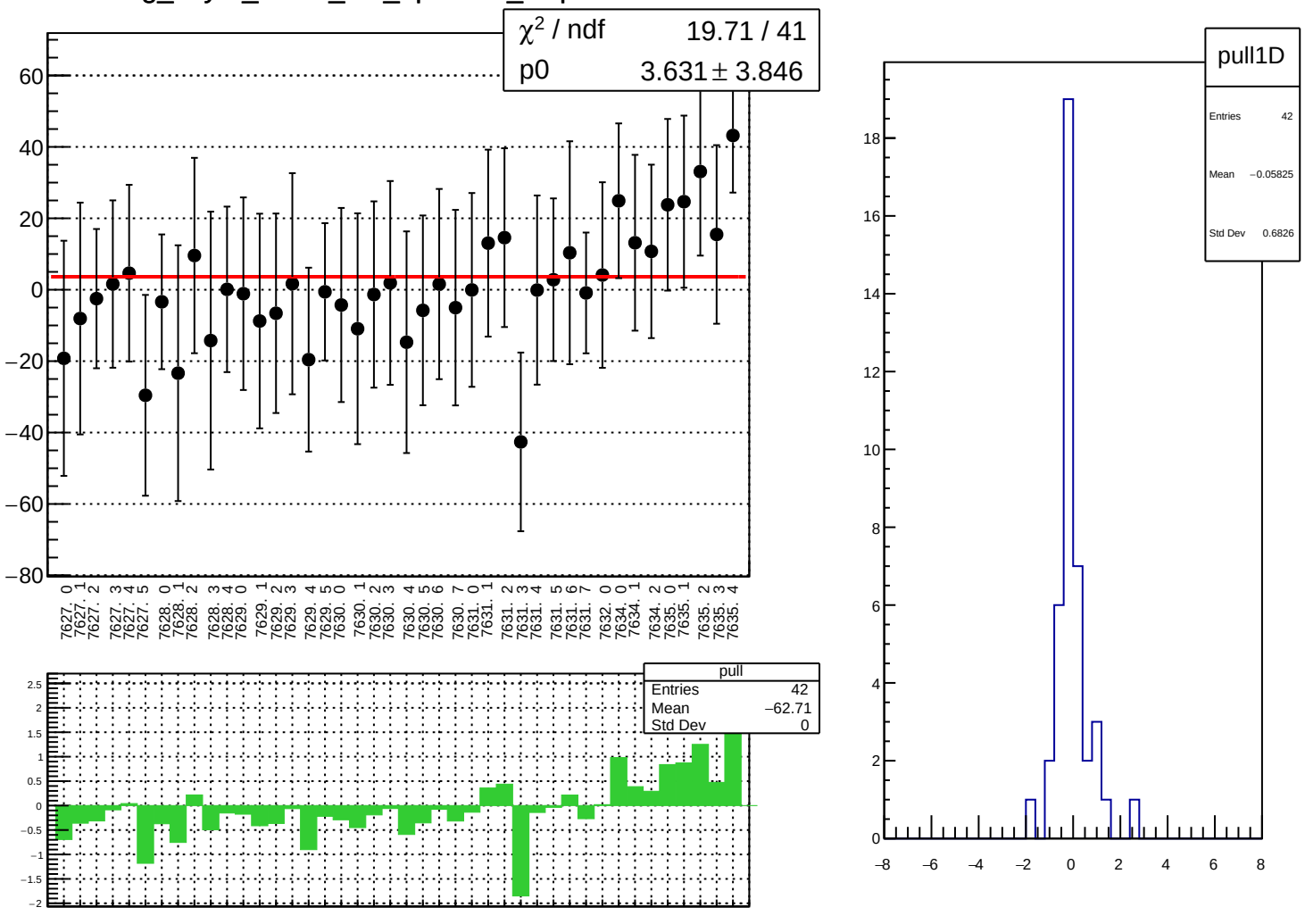

pull1D
Entries 42
Mean 0.07996
Std Dev 0.5448

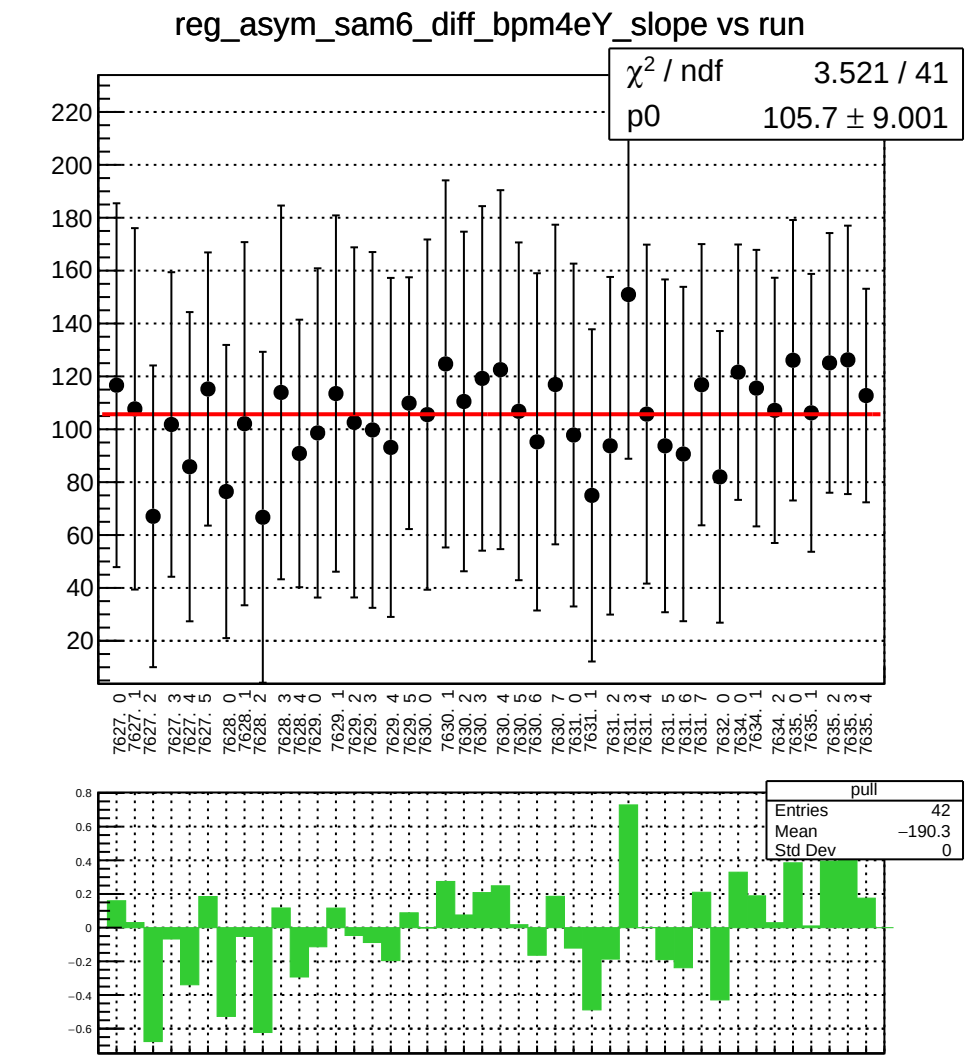

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 16.85 / 41
p0 80.51 ± 4.806
pull
Entries 42
Mean −54.5
Std Dev 0

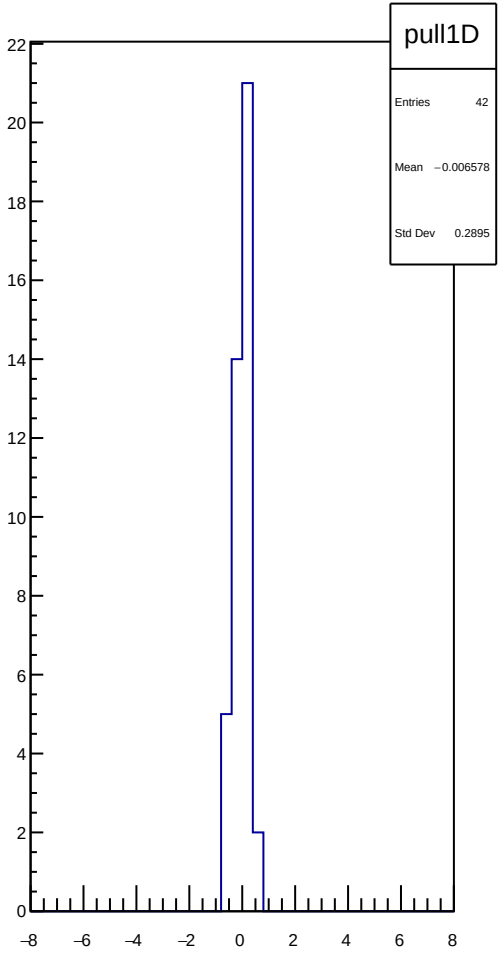

pull1D
Entries 42
Mean 0.05051
Std Dev 0.6314

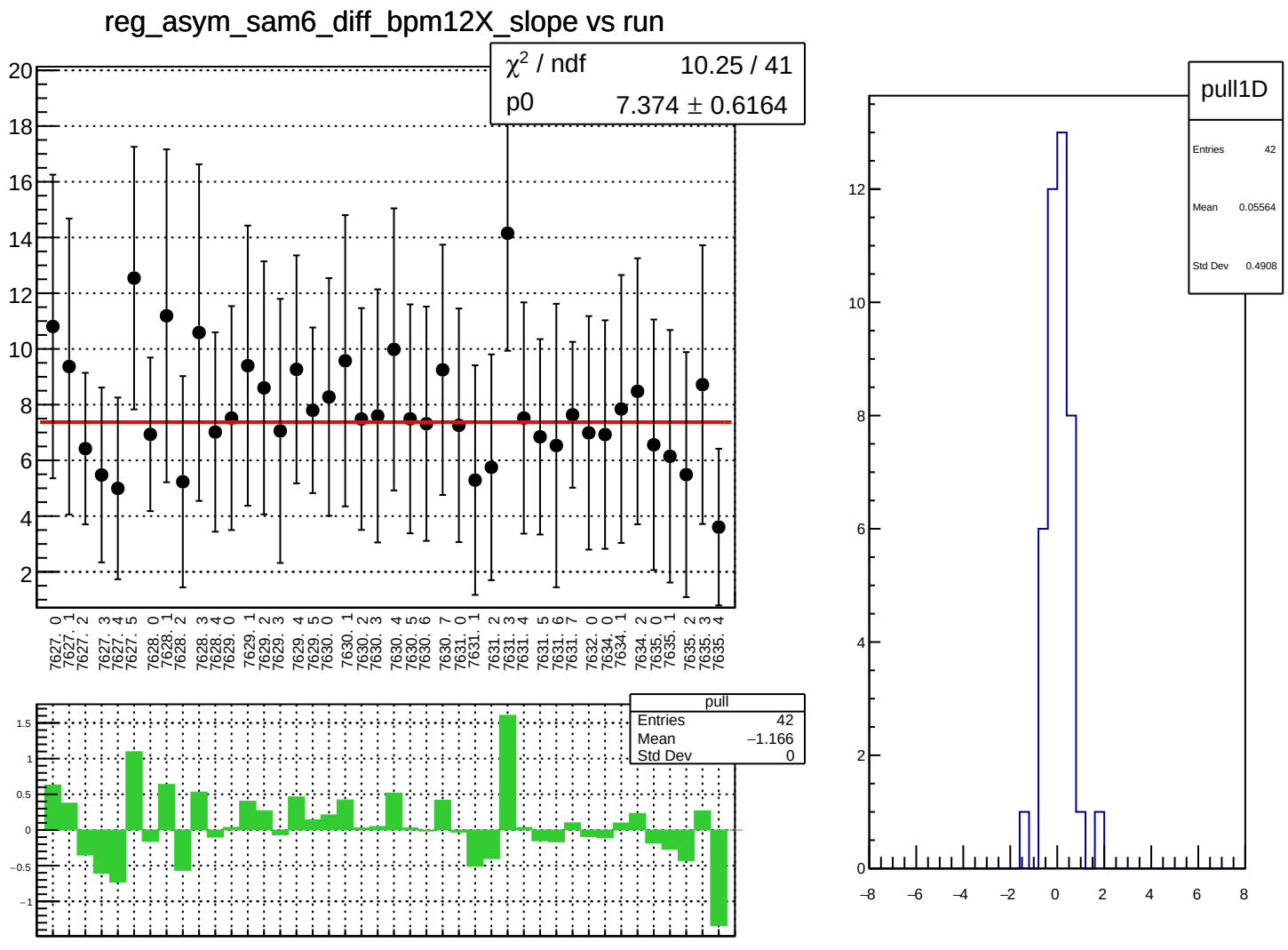

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 3.223 / 41
p0 14.15 ± 6.127
pull
Entries 42
Mean −238.6
Std Dev 0

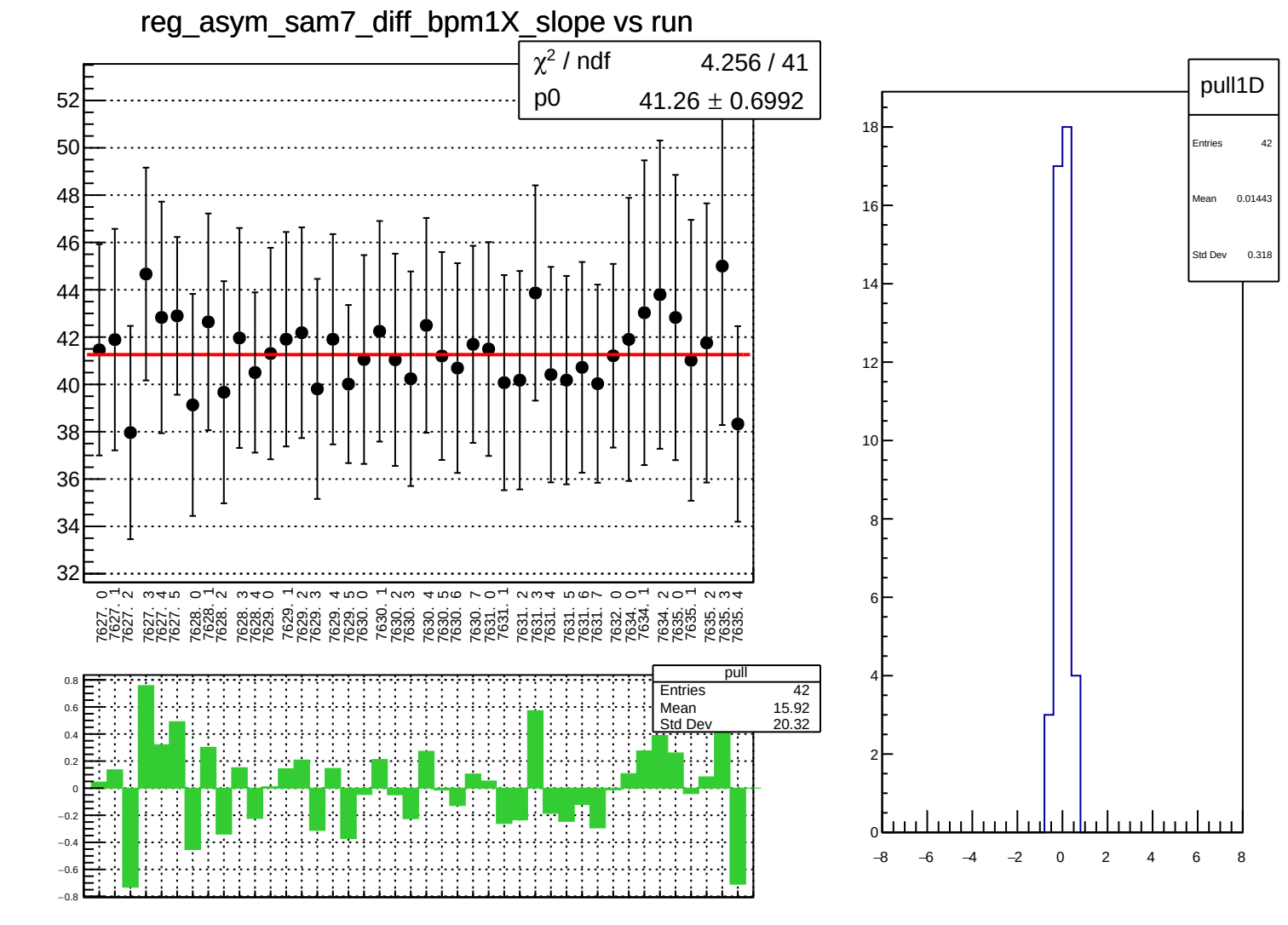

pull1D
Entries 42
Mean 0.004125
Std Dev 0.277

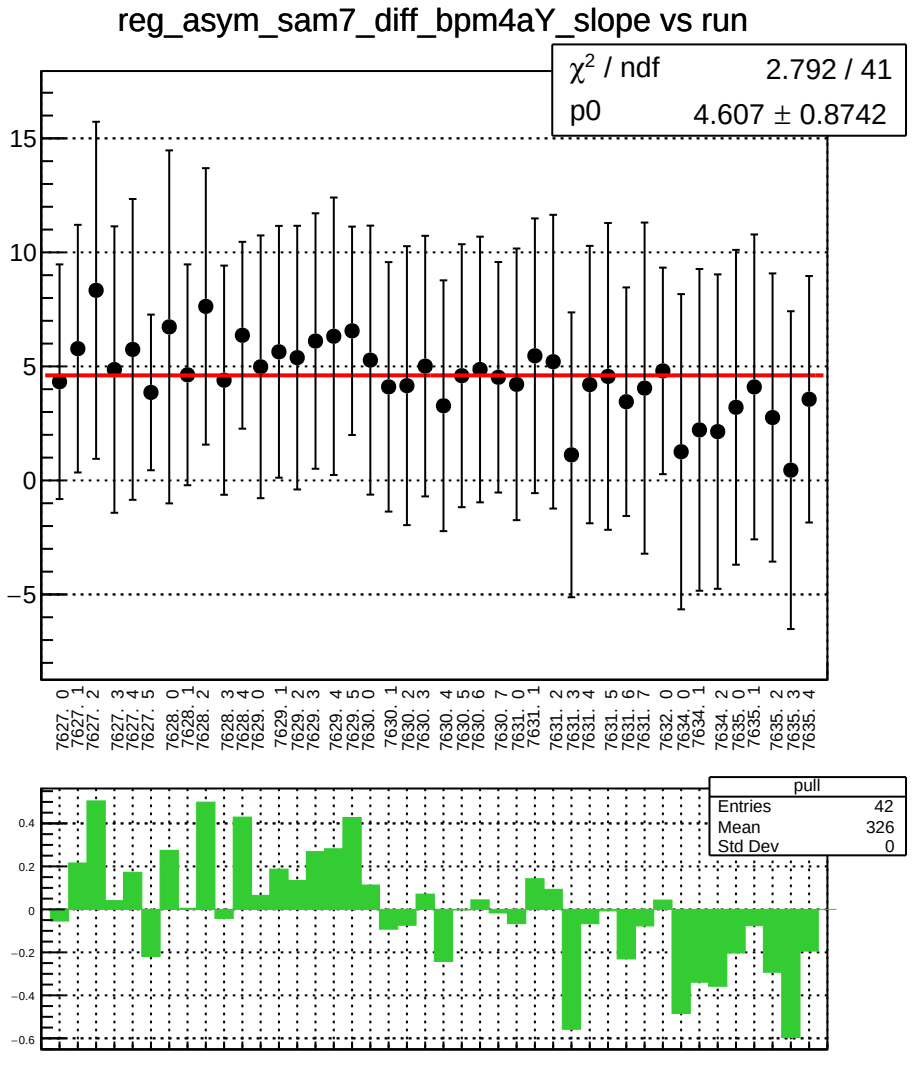

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 19.71 / 41
p0 3.631 ± 3.846
pull
Entries 42
Mean −62.71
Std Dev 0
pull1D
Entries 42
Mean −0.05825
Std Dev 0.6826

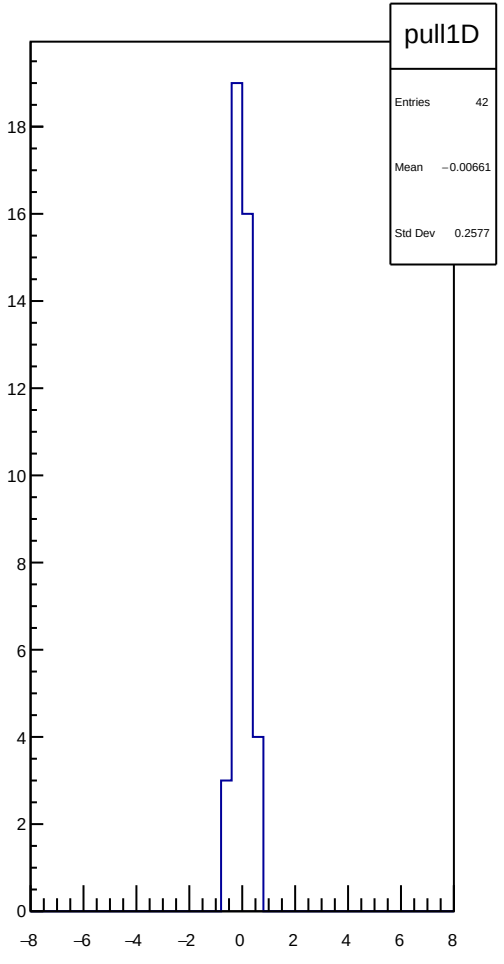

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 3.521 / 41
p0 105.7 ± 9.001
pull
Entries 42
Mean −190.3
Std Dev 0

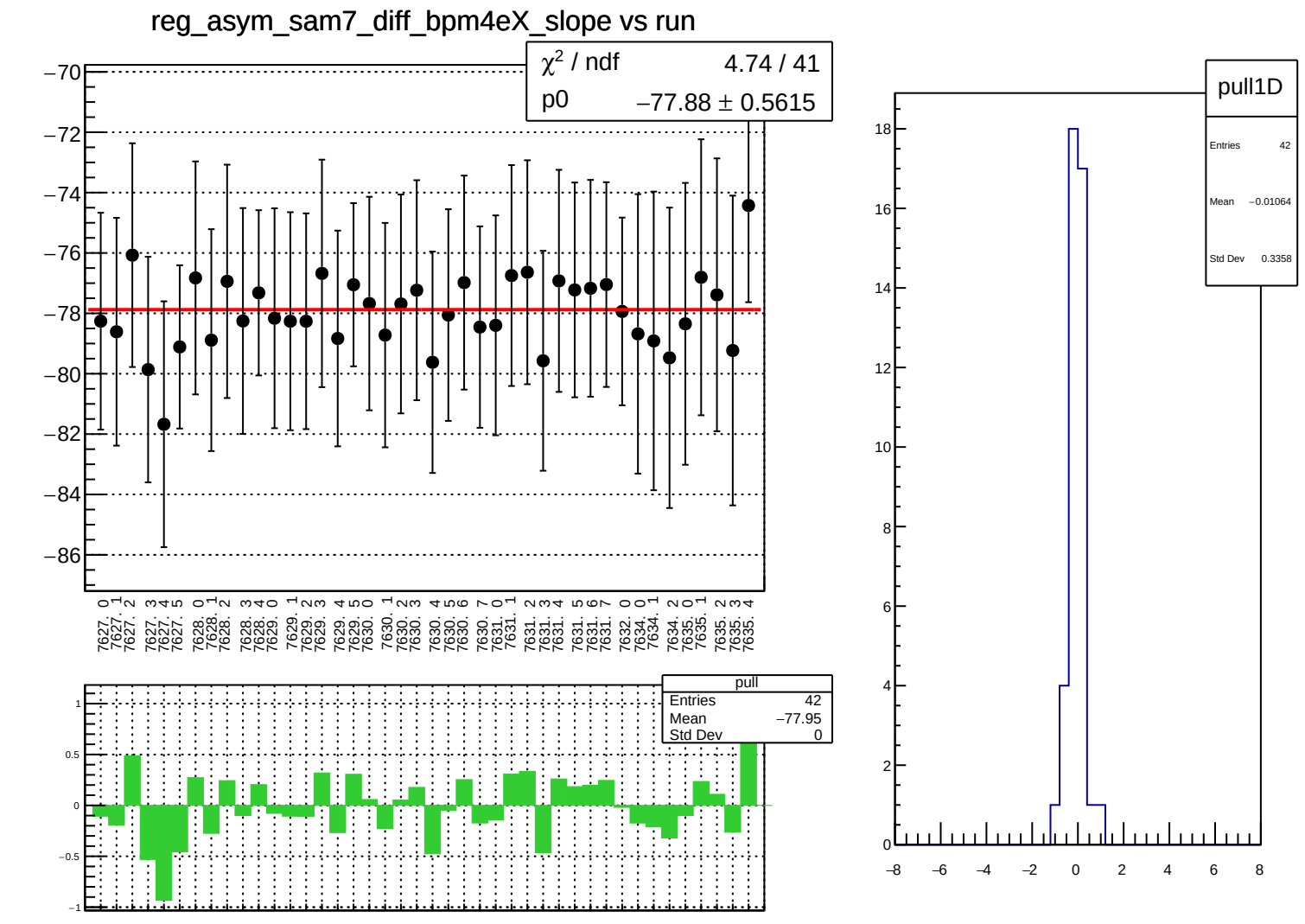

pull1D
Entries 42
Mean −0.006578
Std Dev 0.2895

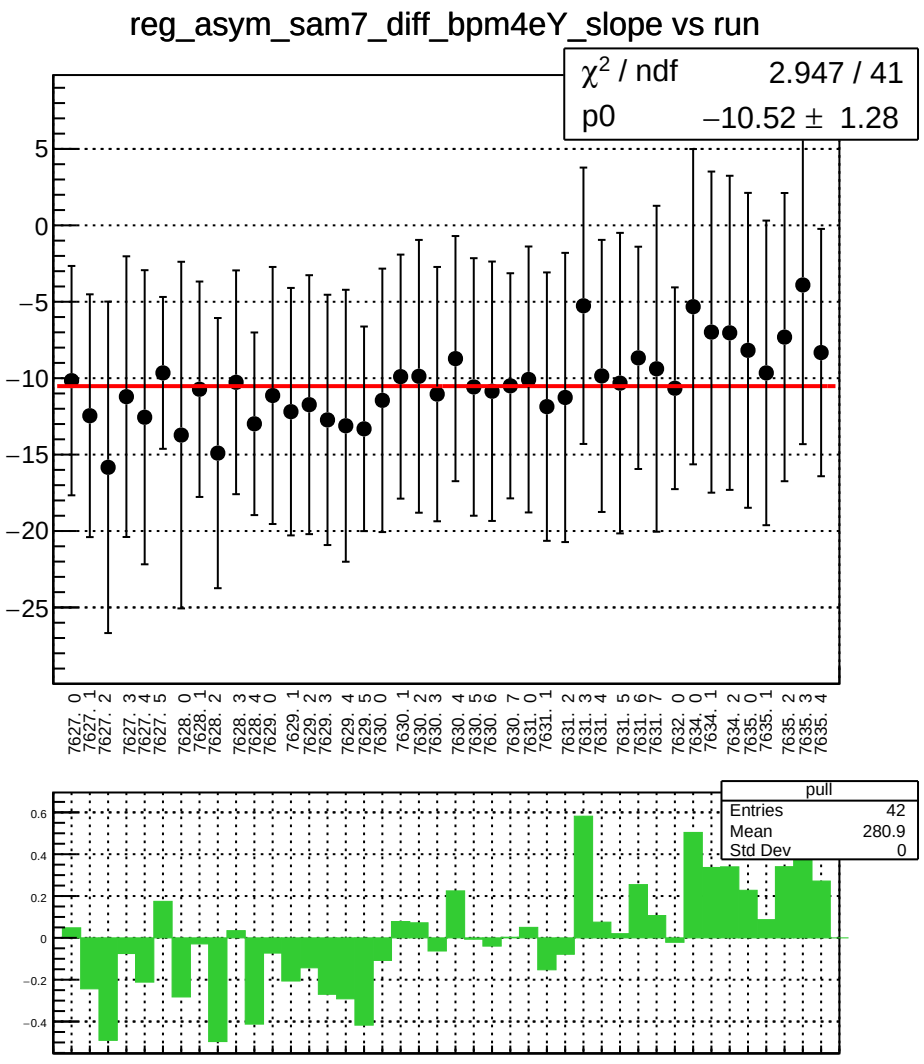

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 10.25 / 41
p0 7.374 ± 0.6164
pull
Entries 42
Mean −1.166
Std Dev 0
pull1D
Entries 42
Mean 0.05564
Std Dev 0.4908

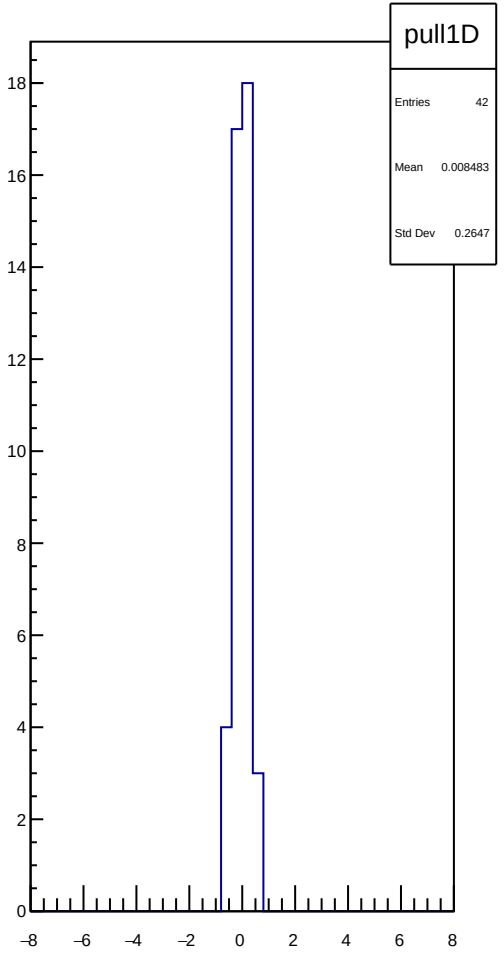

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 4.256 / 41
p0 41.26 ± 0.6992
pull
Entries 42
Mean 15.92
Std Dev 20.32
pull1D
Entries 42
Mean 0.01443
Std Dev 0.318

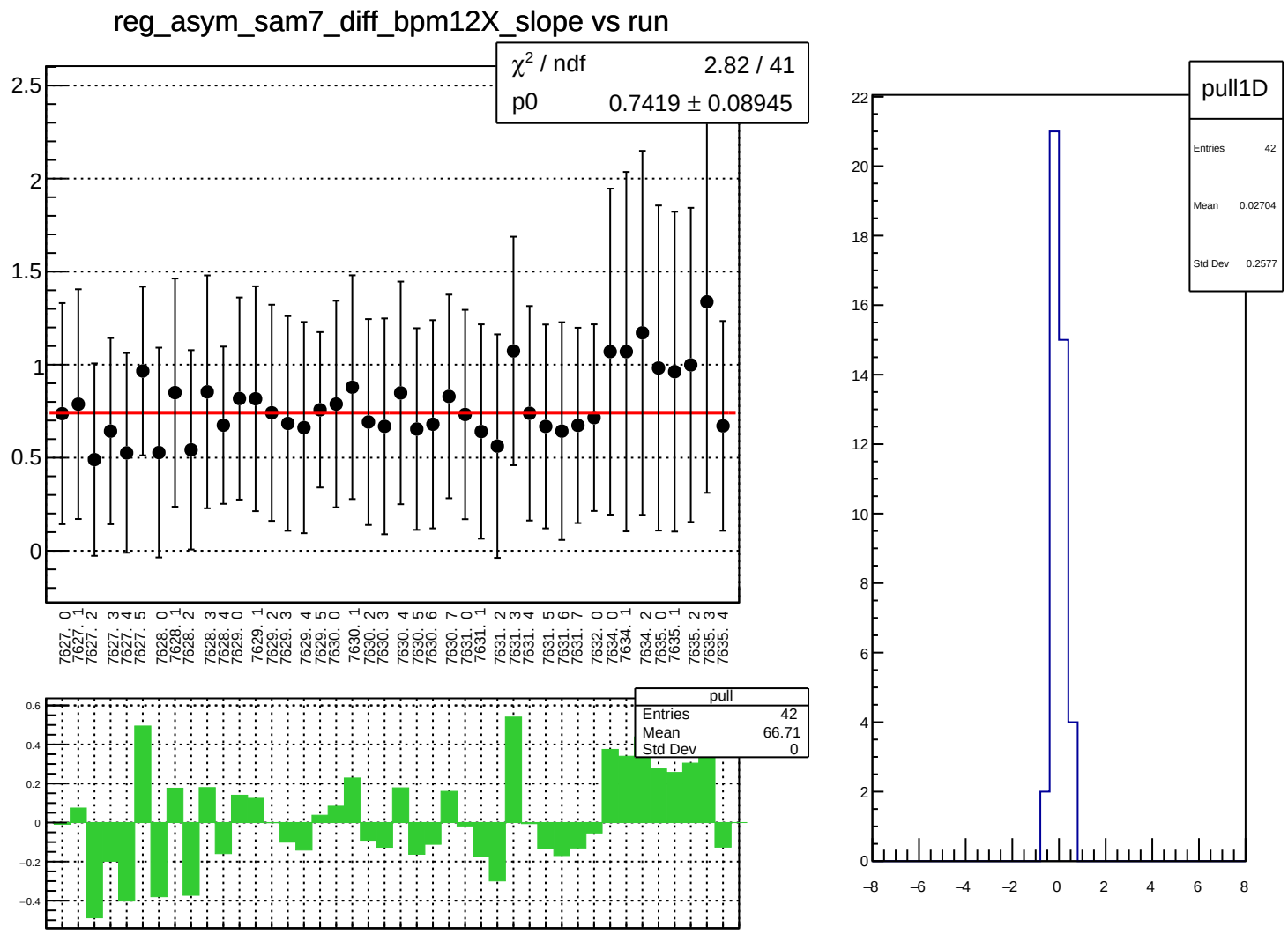

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 2.792 / 41
p0 4.607 ± 0.8742
pull
Entries 42
Mean 326
Std Dev 0

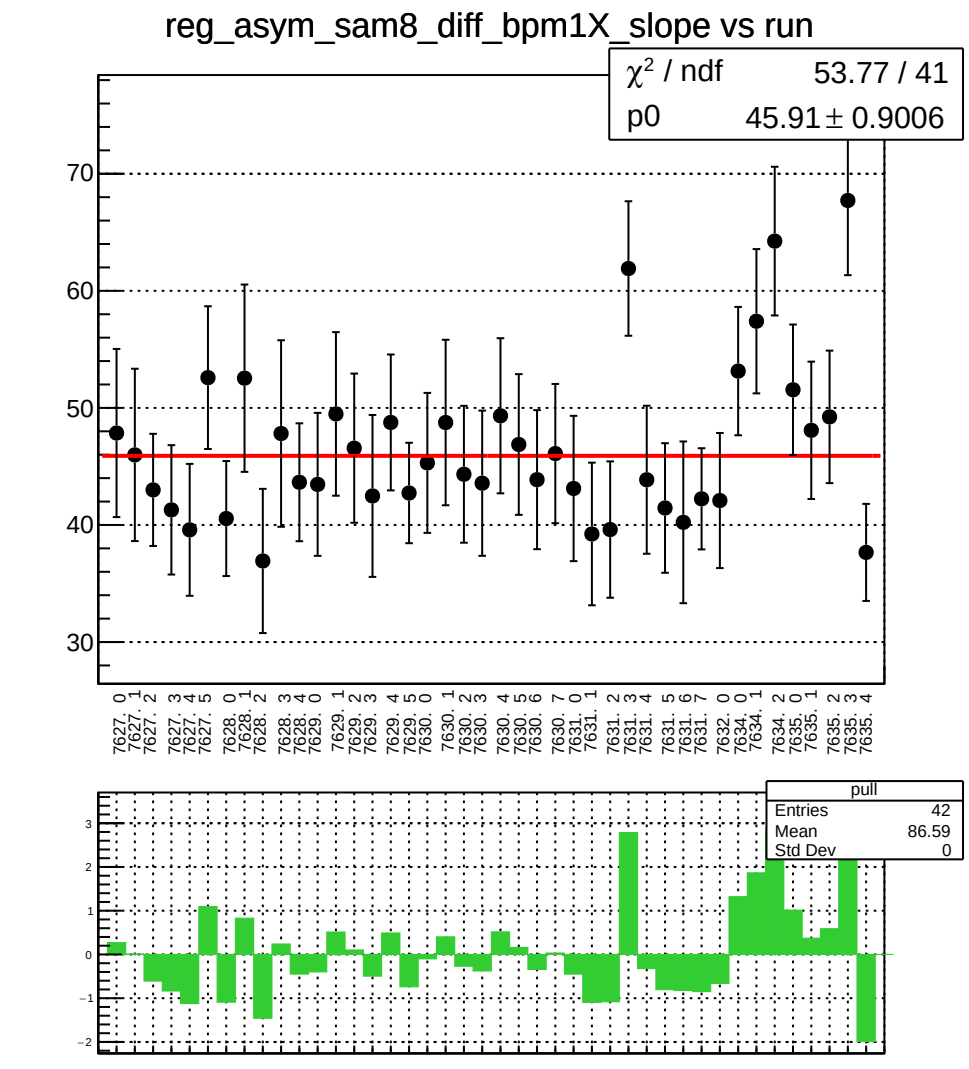

pull1D
Entries 42
Mean −0.00661
Std Dev 0.2577

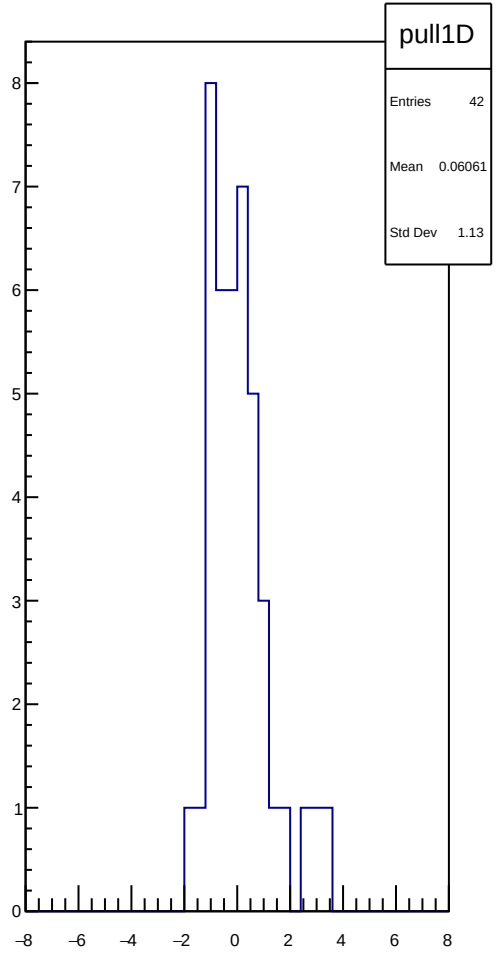

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 4.74 / 41
p0 −77.88 ± 0.5615
pull
Entries 42
Mean −77.95
Std Dev 0
pull1D
Entries 42
Mean −0.01064
Std Dev 0.3358

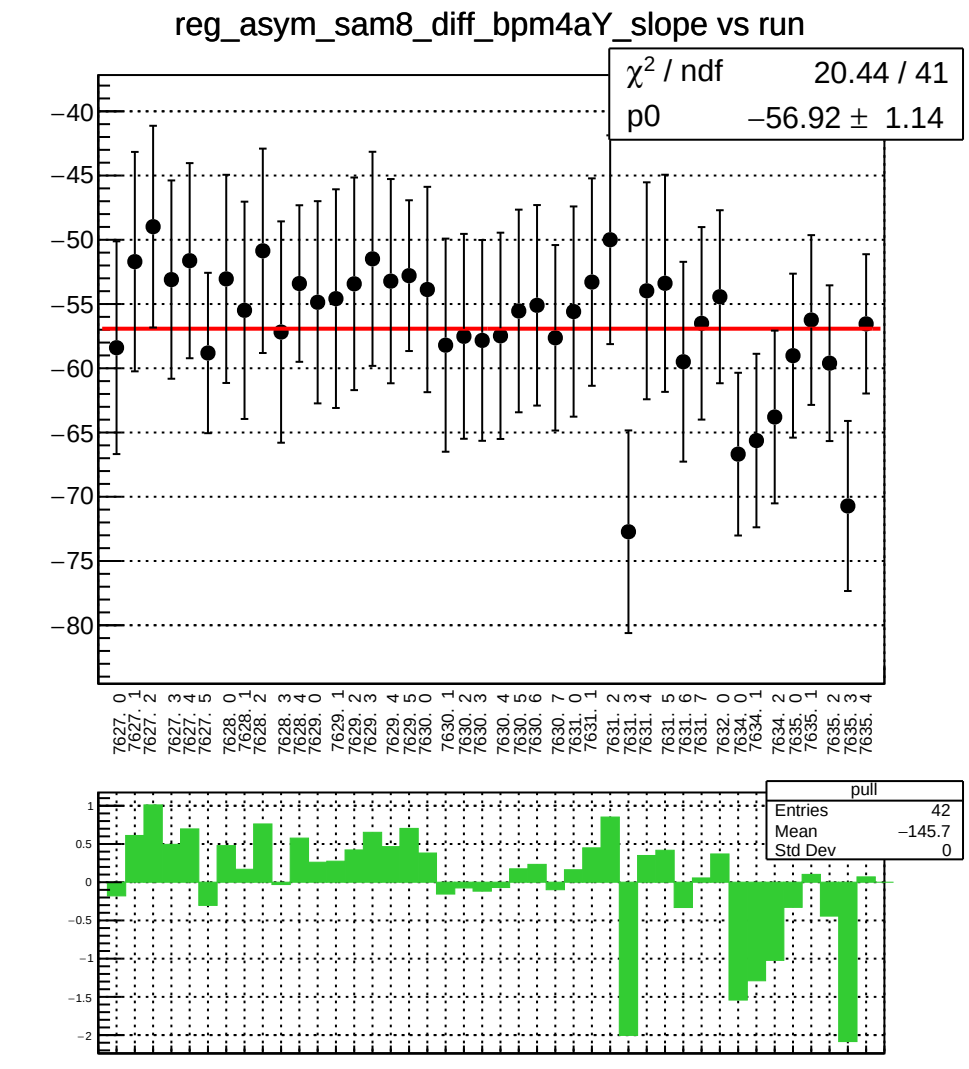

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 2.947 / 41
p0 −10.52 ± 1.28
pull
Entries 42
Mean 280.9
Std Dev 0

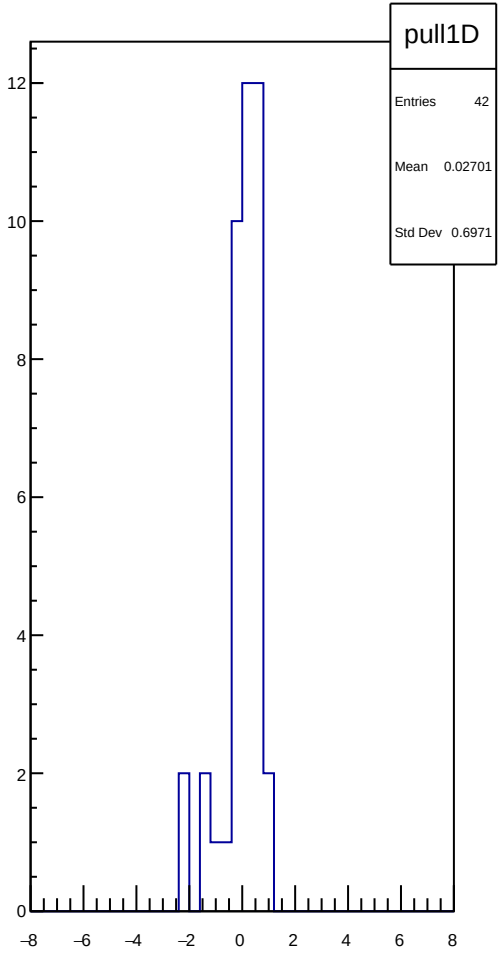

pull1D
Entries 42
Mean 0.008483
Std Dev 0.2647

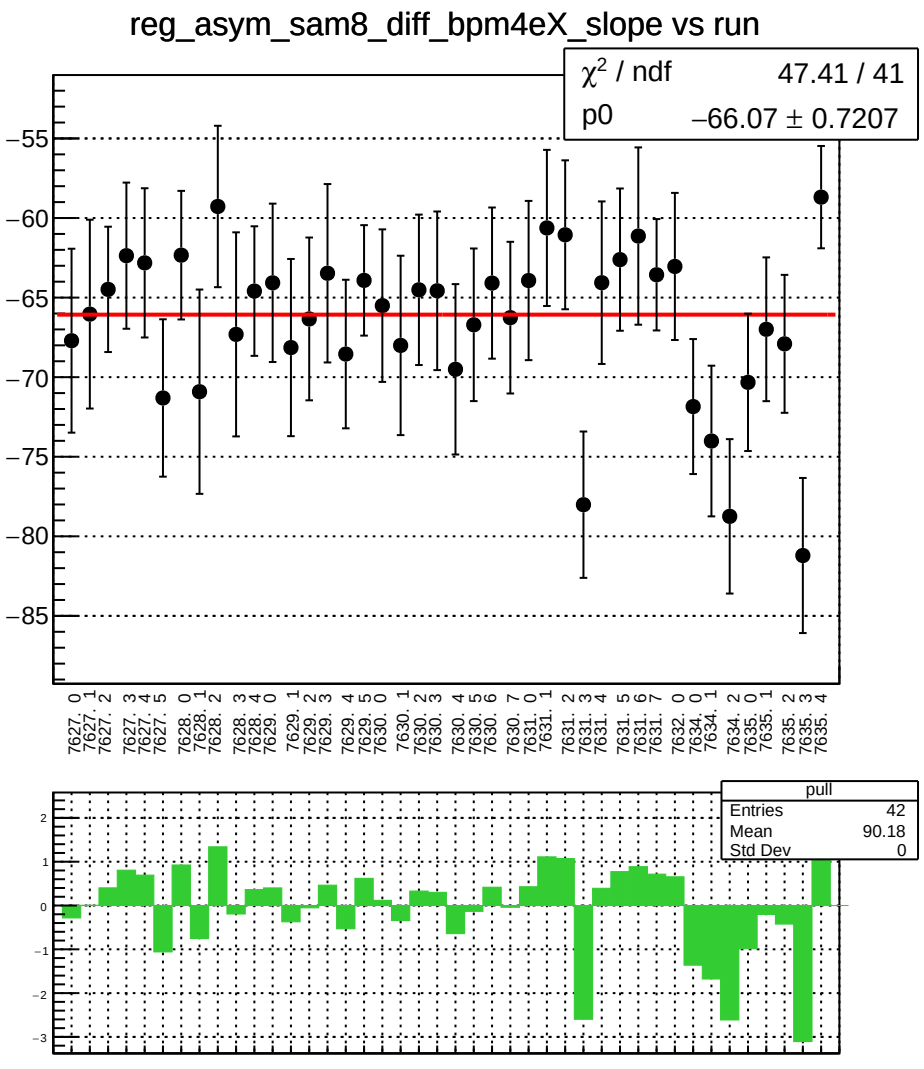

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 2.82 / 41
p0 0.7419 ± 0.08945
pull
Entries 42
Mean 66.71
Std Dev 0
pull1D
Entries 42
Mean 0.02704
Std Dev 0.2577

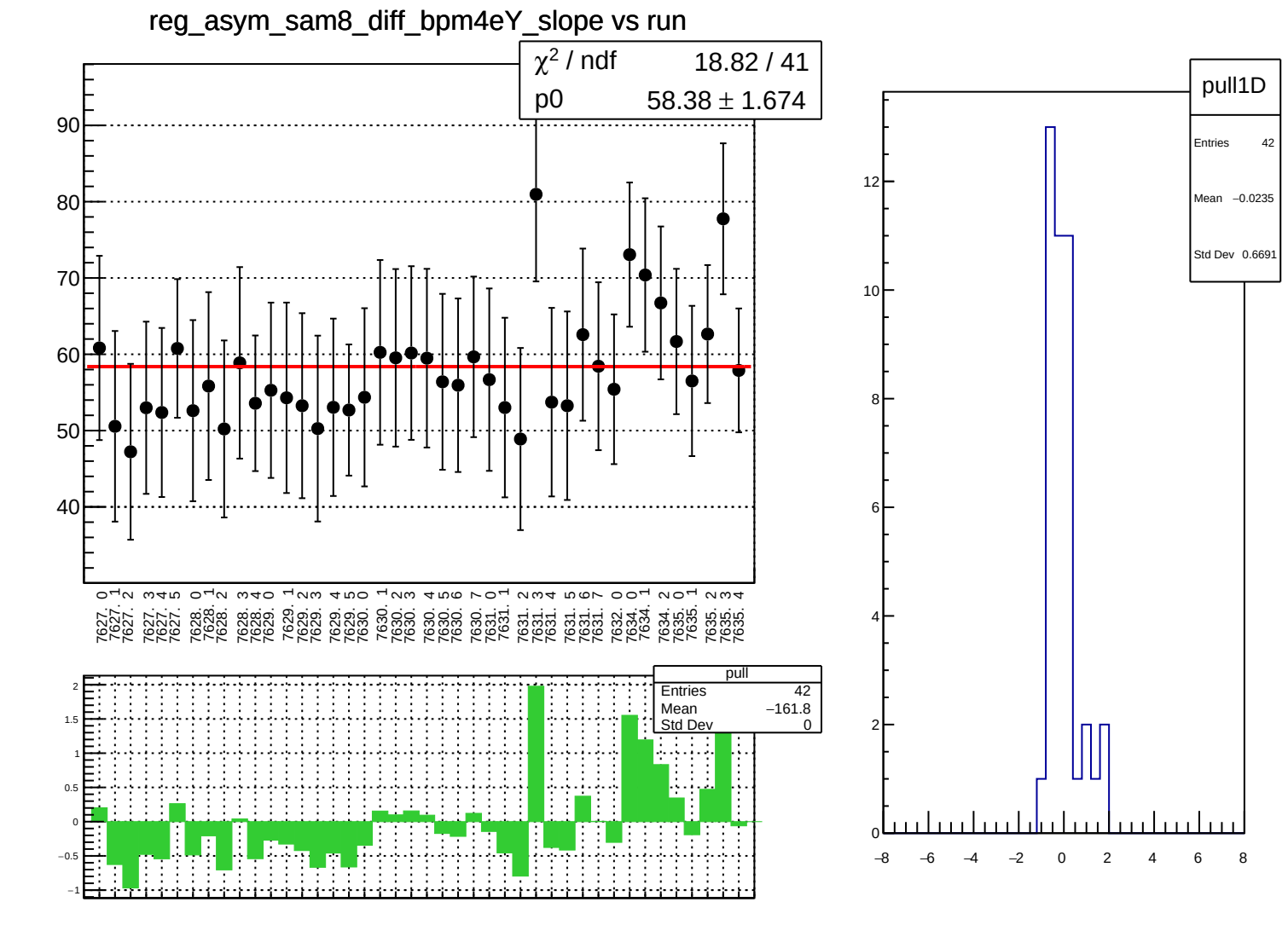

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 53.77 / 41
p0 45.91 ± 0.9006
70
60
50
40
30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 86.59
Std Dev 0
3
2
1
0
−1
−2

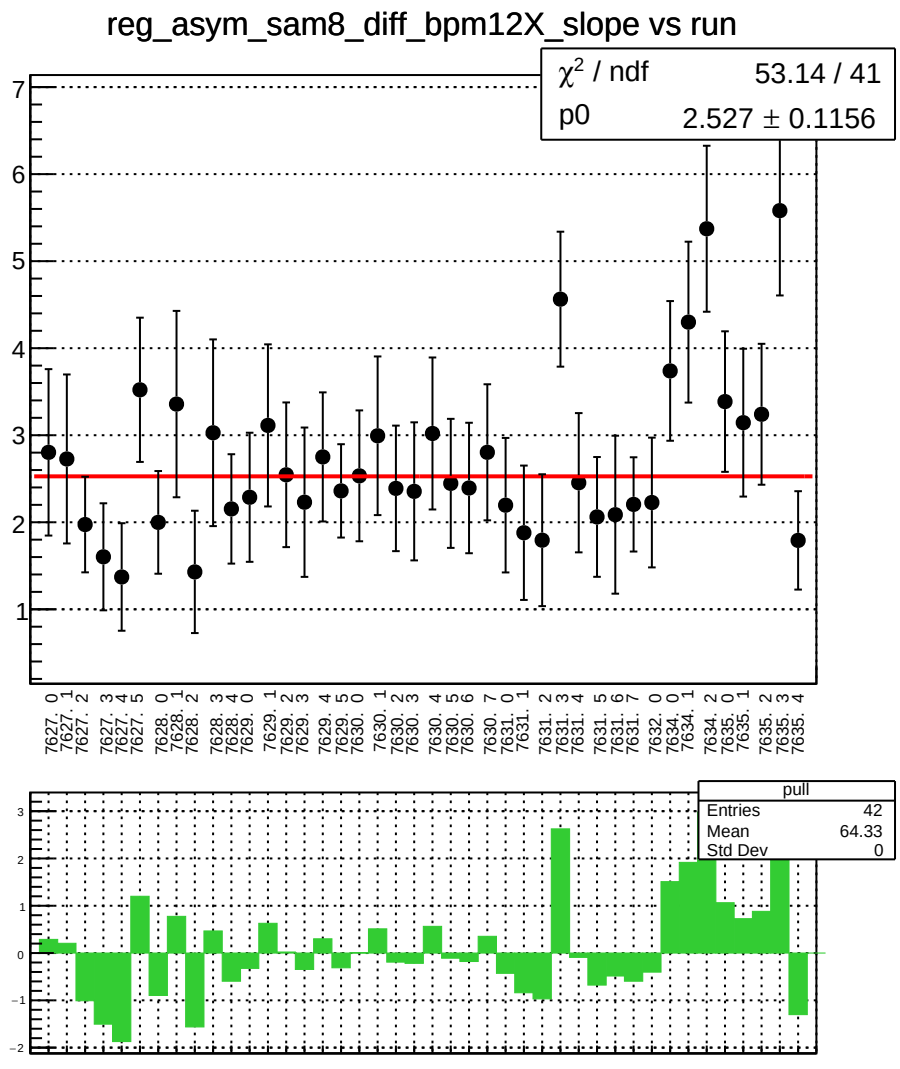

pull1D
Entries 42
Mean 0.06061
Std Dev 1.13
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

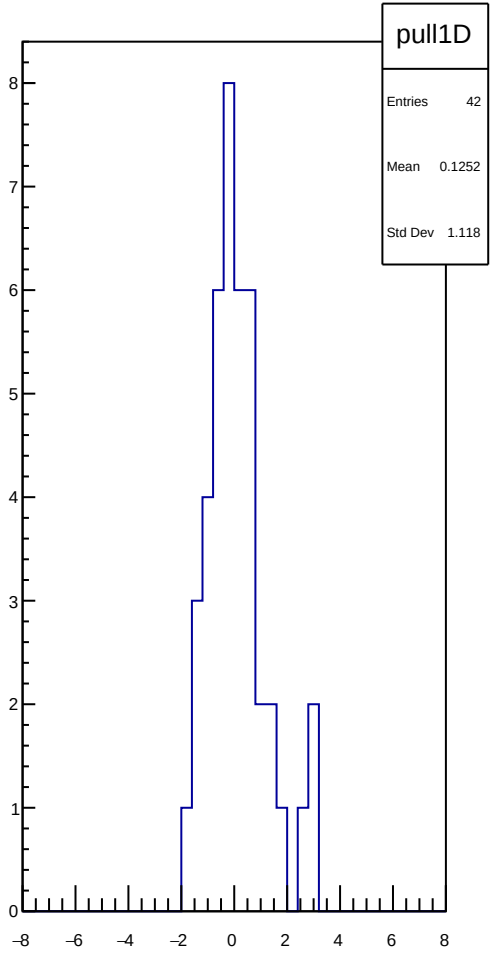

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 20.44 / 41
p0 −56.92 ± 1.14
pull
Entries 42
Mean −145.7
Std Dev 0

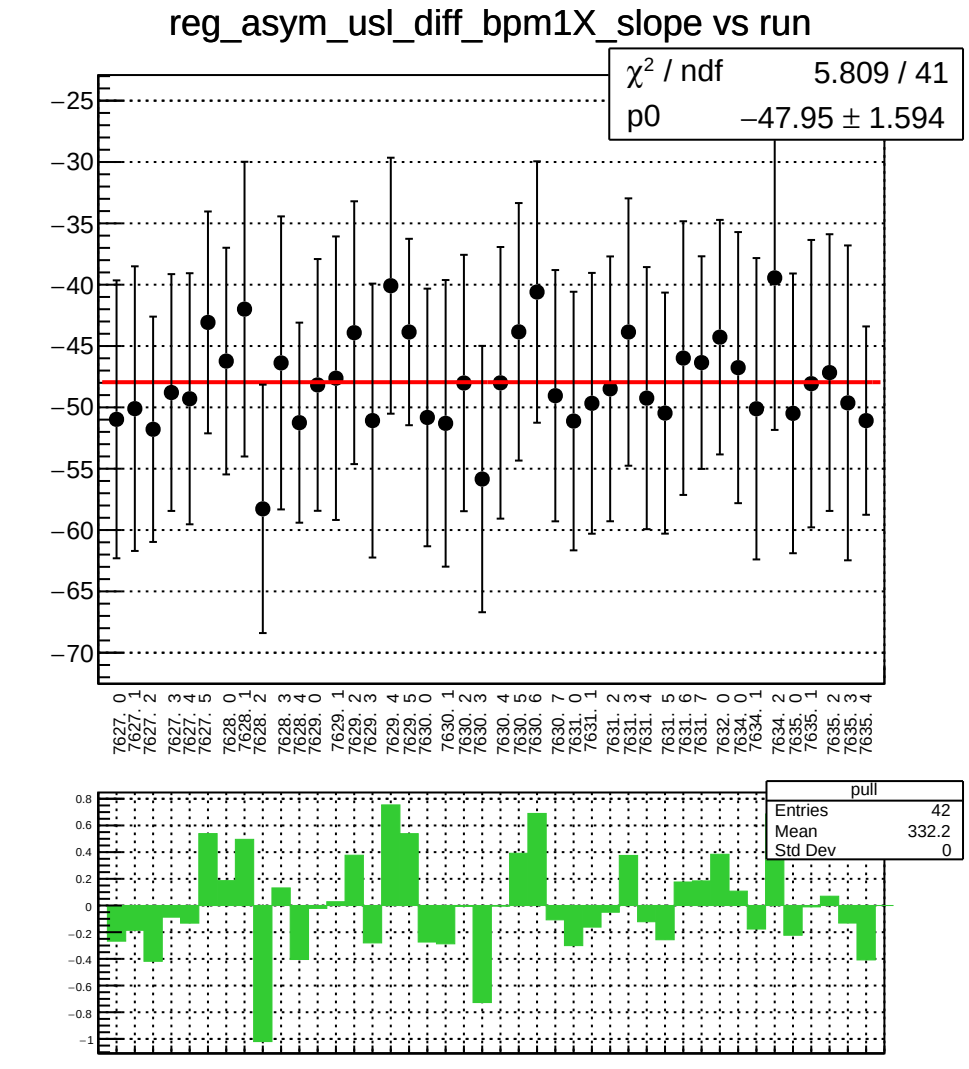

pull1D
Entries 42
Mean 0.02701
Std Dev 0.6971

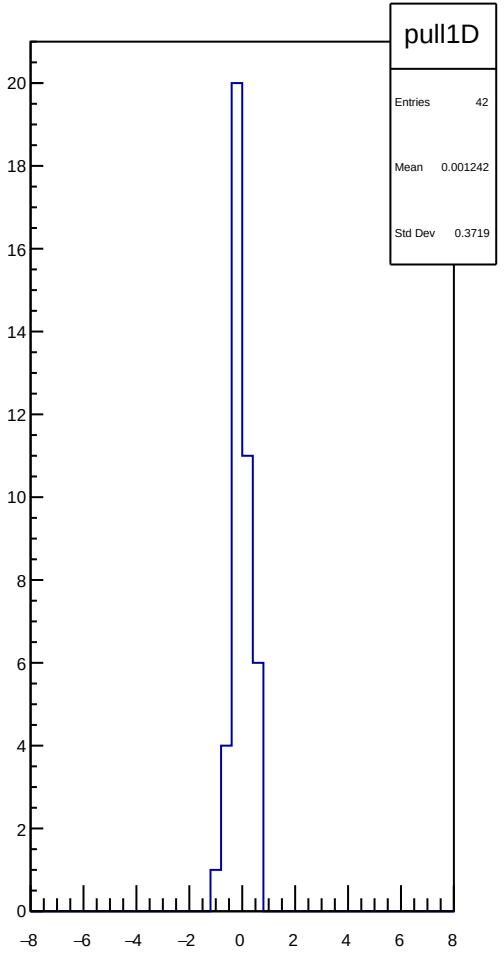

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 47.41 / 41
p0 −66.07 ± 0.7207
−55
−60
−65
−70
−75
−80
−85
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 90.18
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.044
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

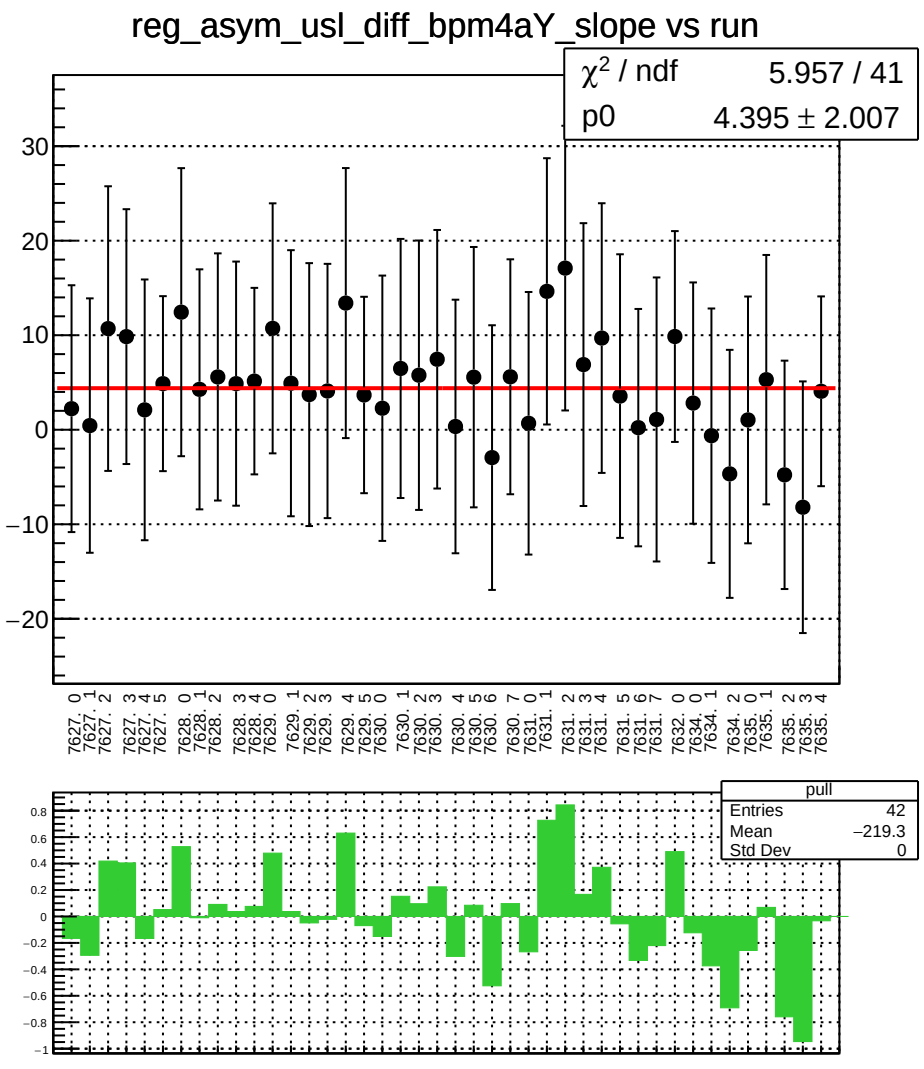

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 18.82 / 41
p0 58.38 ± 1.674
pull
Entries 42
Mean −161.8
Std Dev 0
pull1D
Entries 42
Mean −0.0235
Std Dev 0.6691

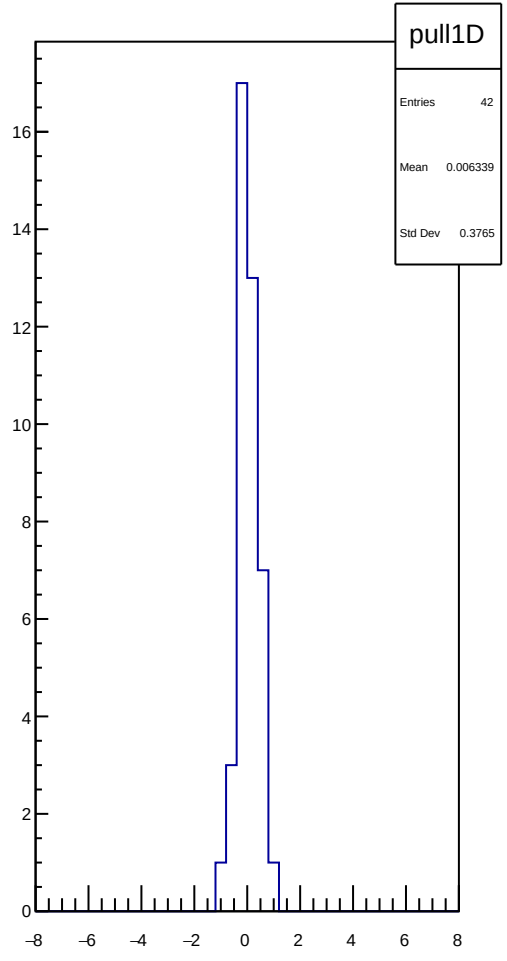

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 53.14 / 41
p0 2.527 ± 0.1156
pull
Entries 42
Mean 64.33
Std Dev 0

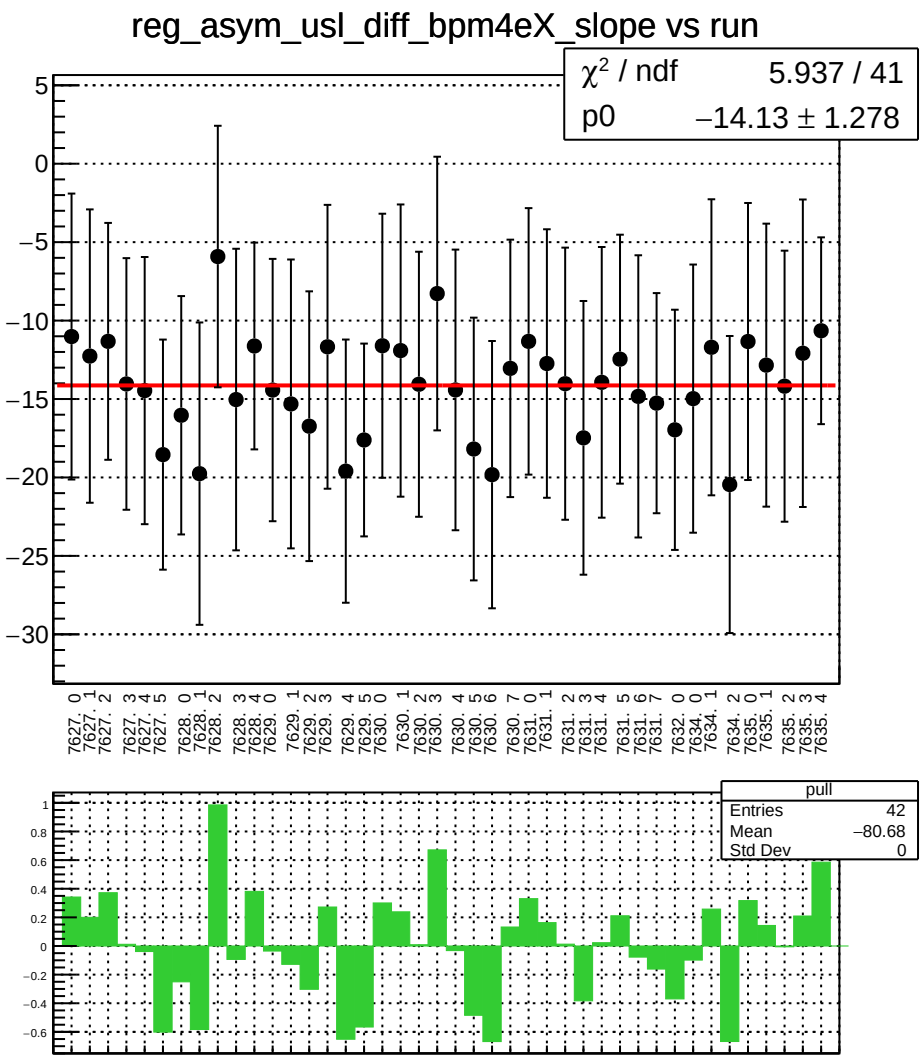

pull1D
Entries 42
Mean 0.1252
Std Dev 1.118

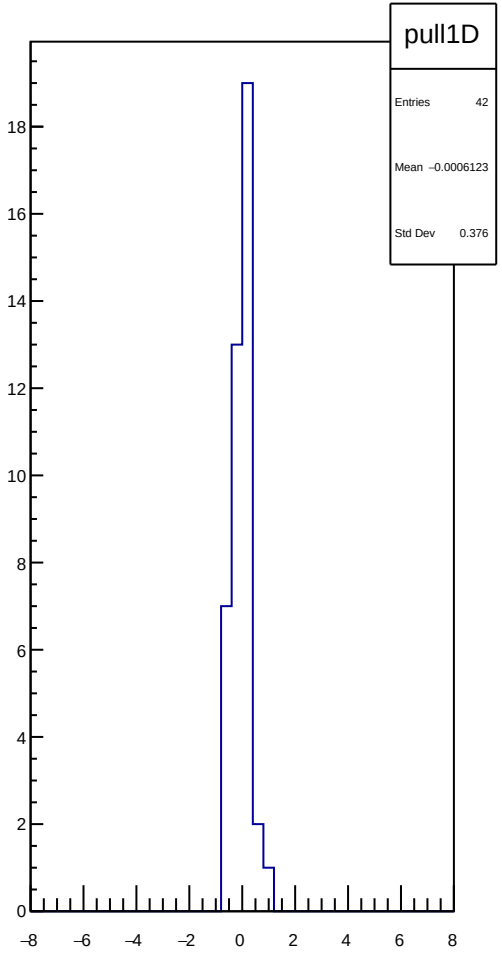

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 5.809 / 41
p0 −47.95 ± 1.594
pull
Entries 42
Mean 332.2
Std Dev 0

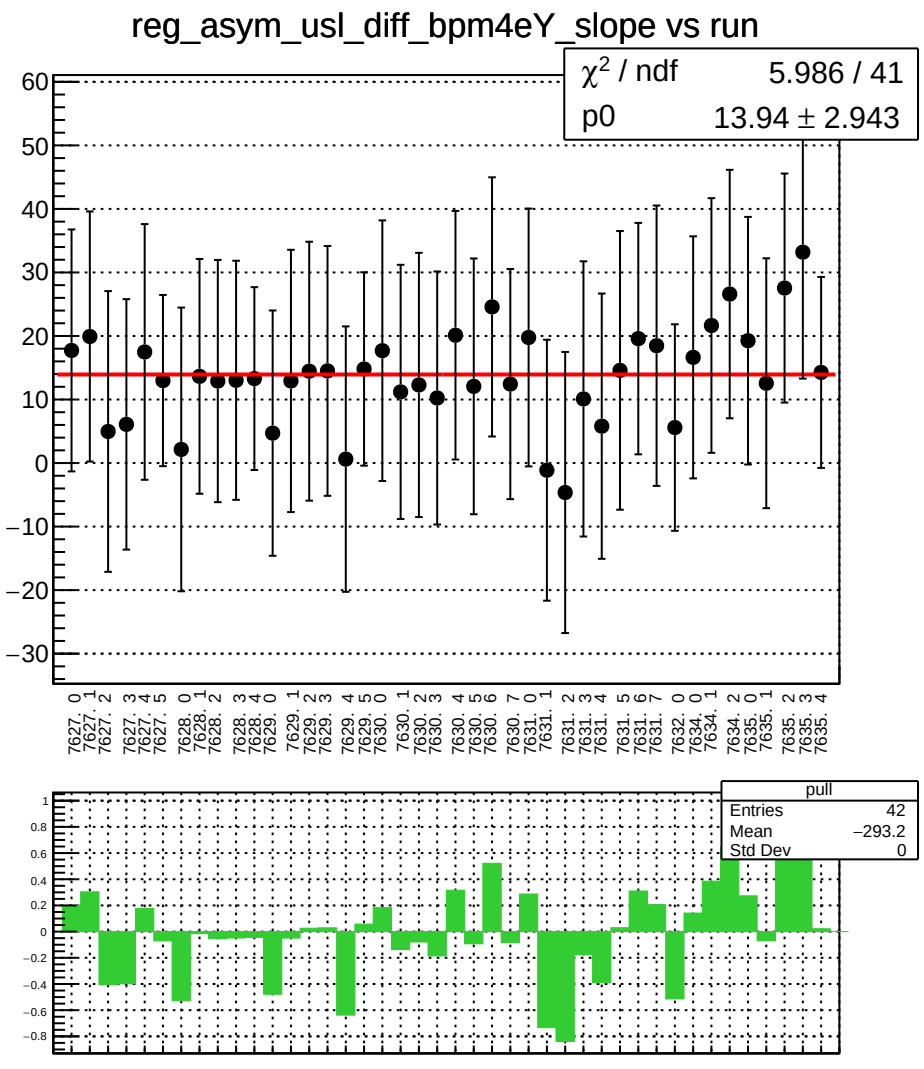

pull1D
Entries 42
Mean 0.001242
Std Dev 0.3719

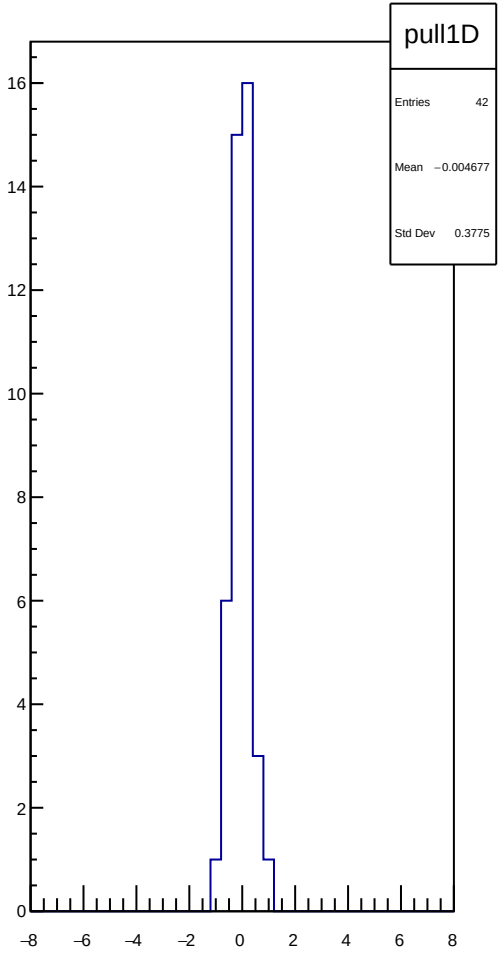

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 5.957 / 41
p0 4.395 ± 2.007
pull
Entries 42
Mean −219.3
Std Dev 0

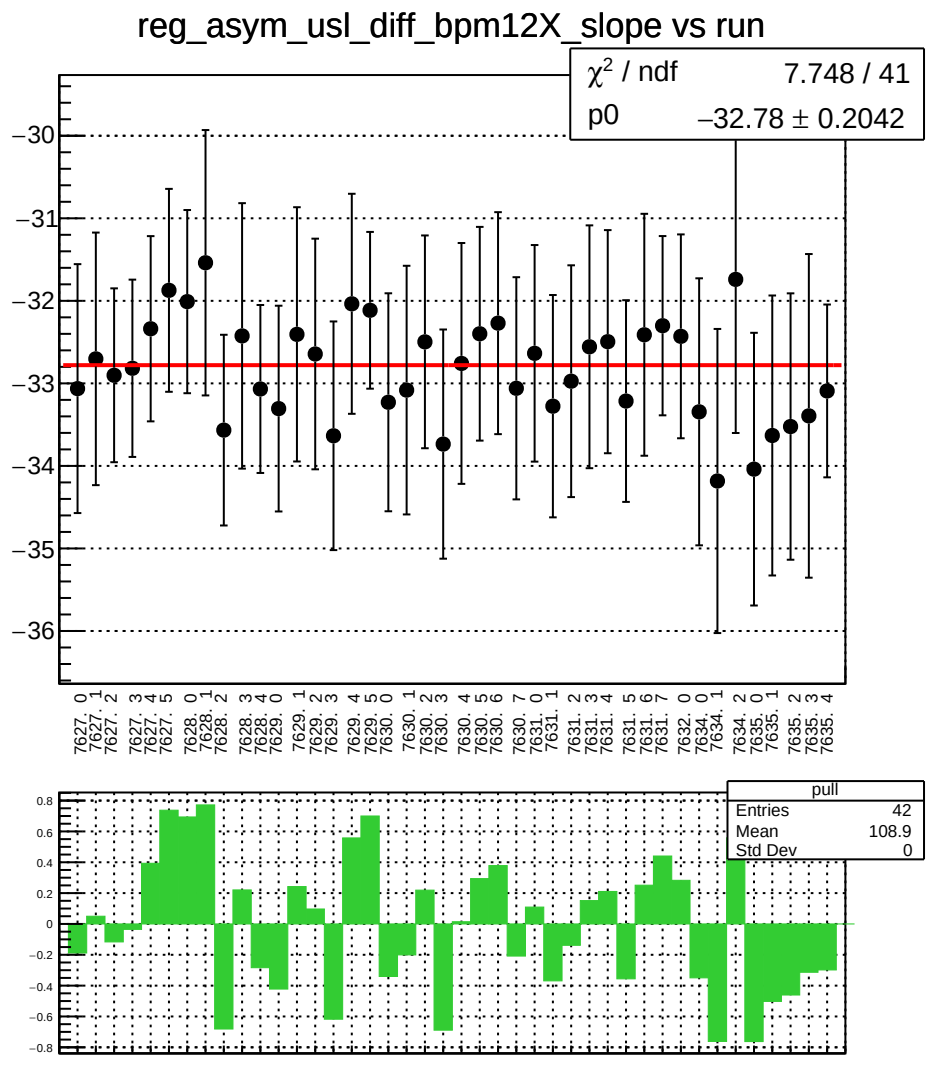

pull1D
Entries 42
Mean 0.006339
Std Dev 0.3765

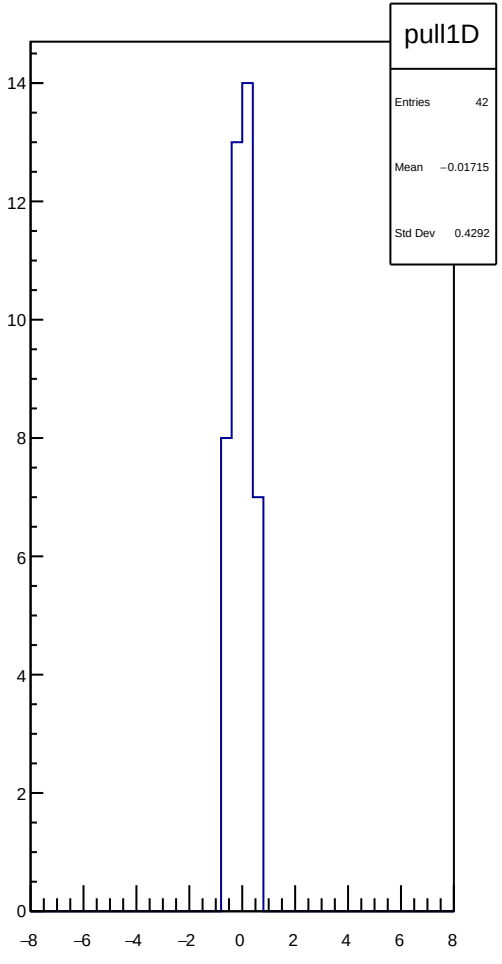

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 5.937 / 41
p0 −14.13 ± 1.278
pull
Entries 42
Mean −80.68
Std Dev 0

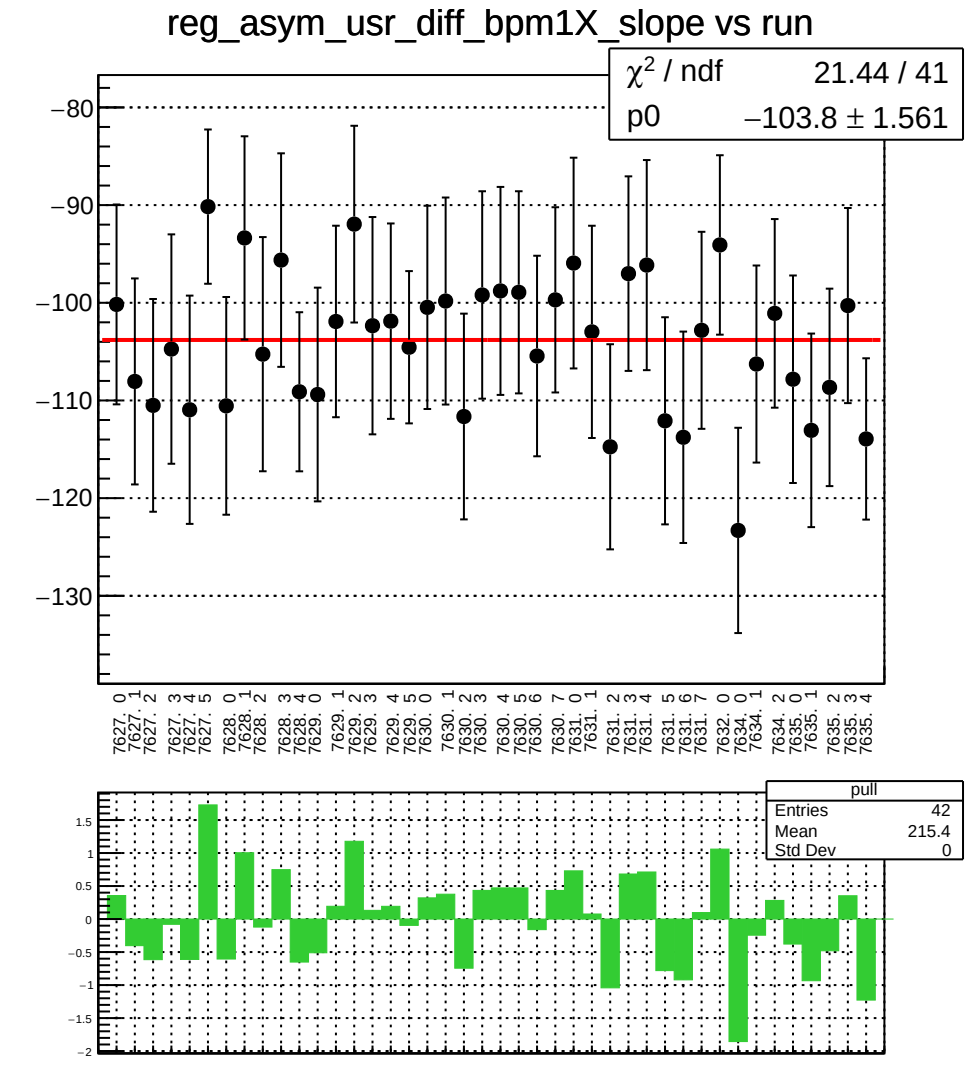

pull1D
Entries 42
Mean −0.0006123
Std Dev 0.376

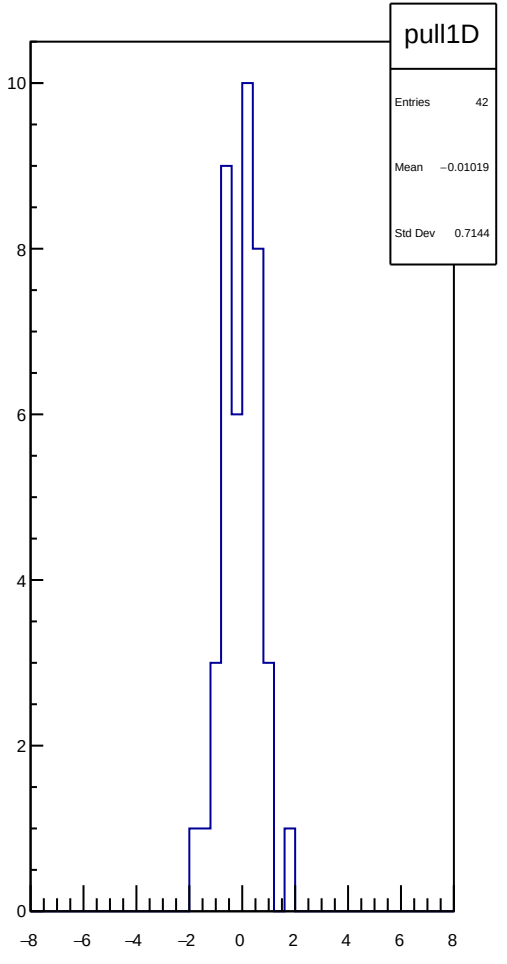

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 5.986 / 41
p0 13.94 ± 2.943
pull
Entries 42
Mean −293.2
Std Dev 0

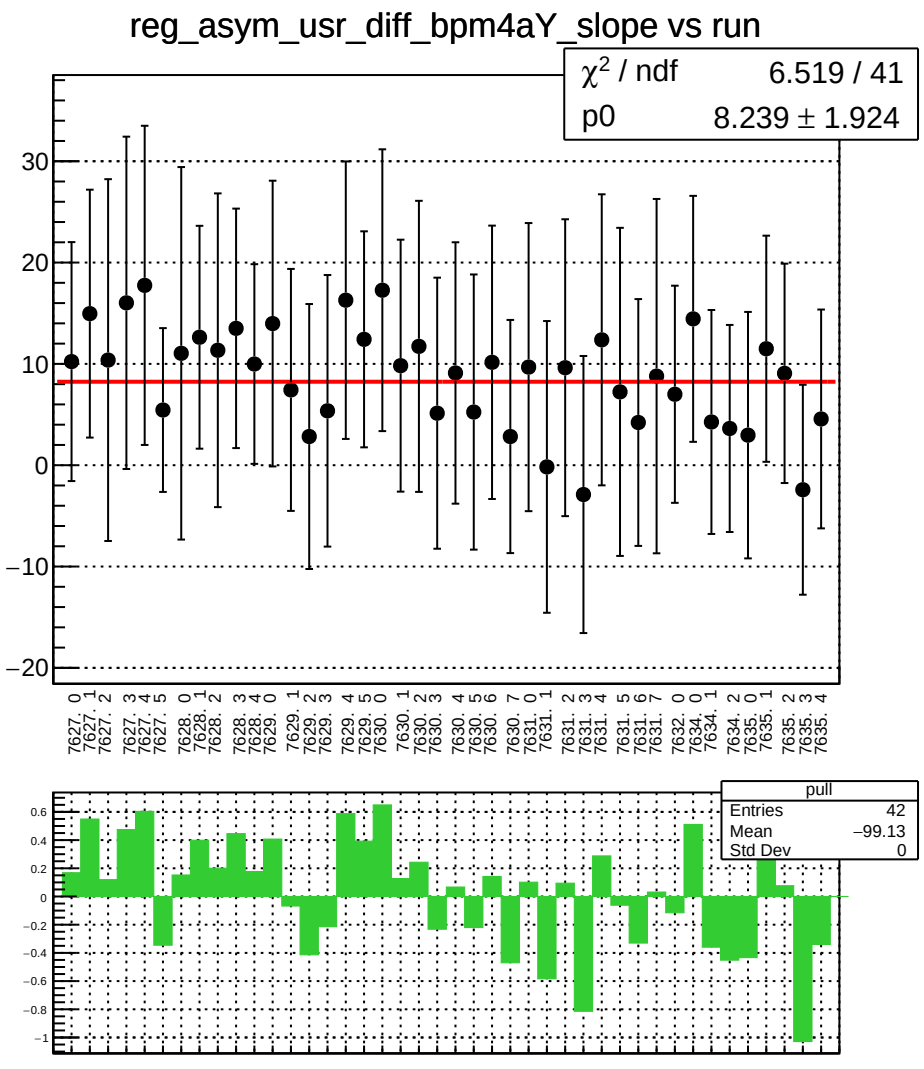

pull1D
Entries 42
Mean −0.004677
Std Dev 0.3775

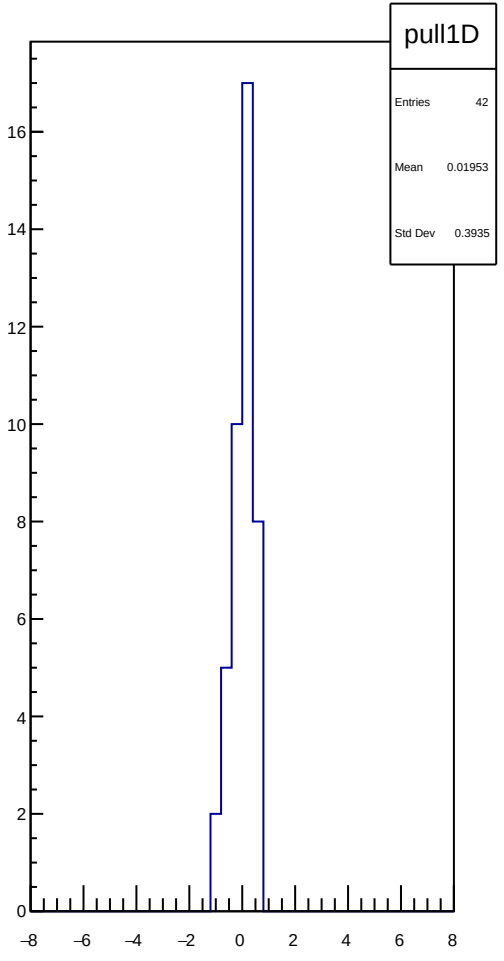

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 7.748 / 41
p0 −32.78 ± 0.2042
pull
Entries 42
Mean 108.9
Std Dev 0

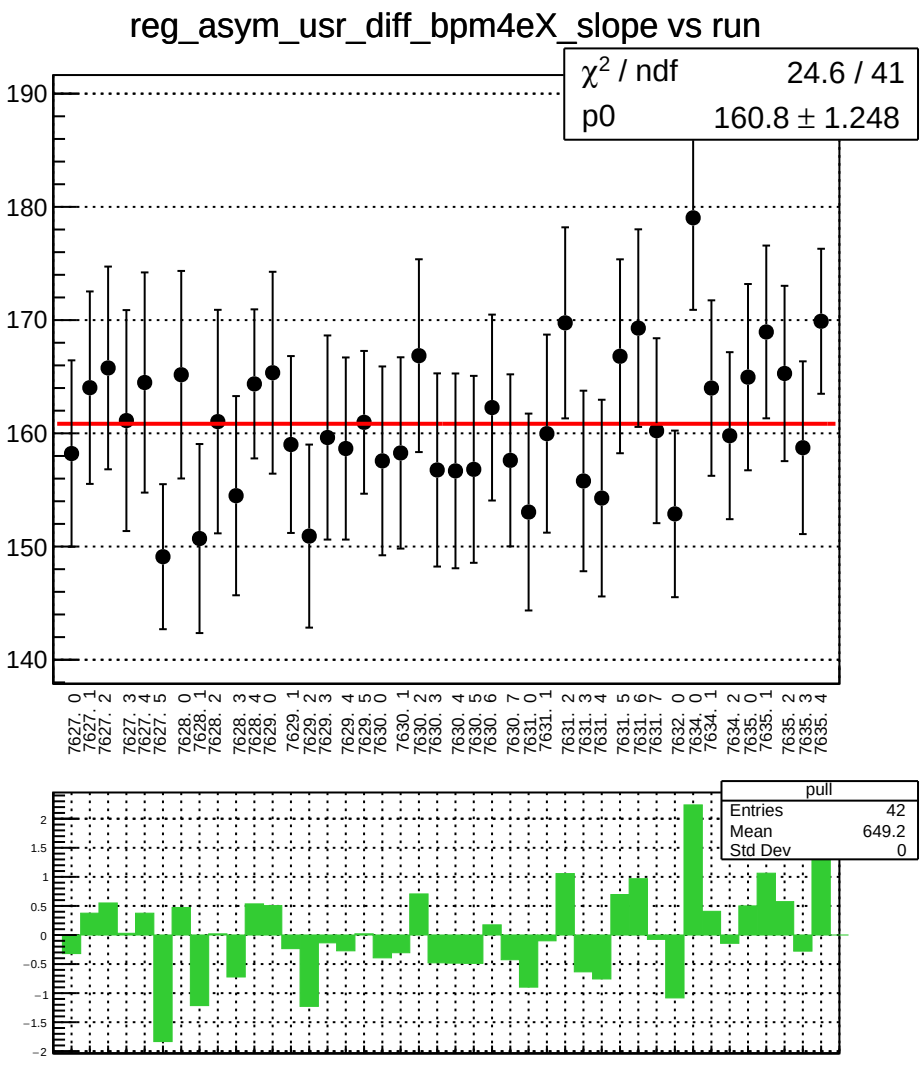

pull1D
Entries 42
Mean −0.01715
Std Dev 0.4292

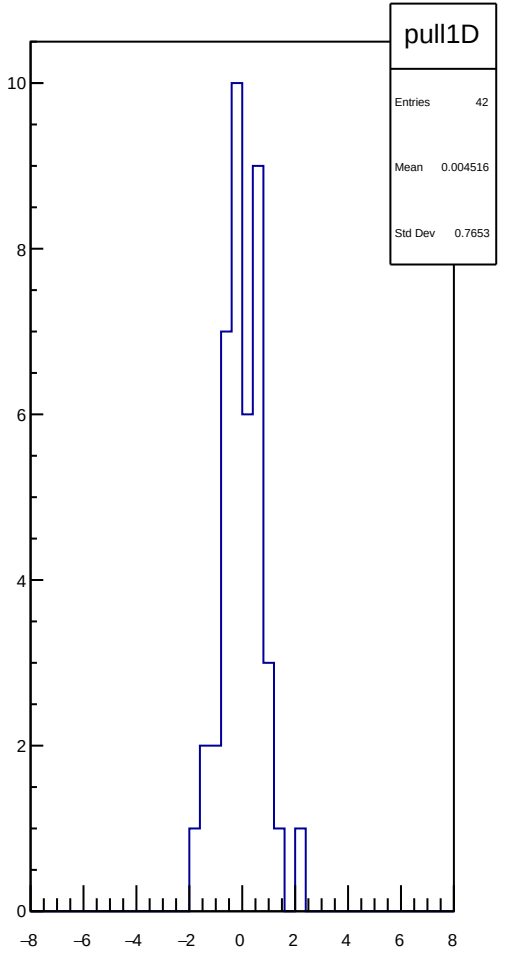

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 21.44 / 41
p0 −103.8 ± 1.561
−80
−90
−100
−110
−120
−130
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 215.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

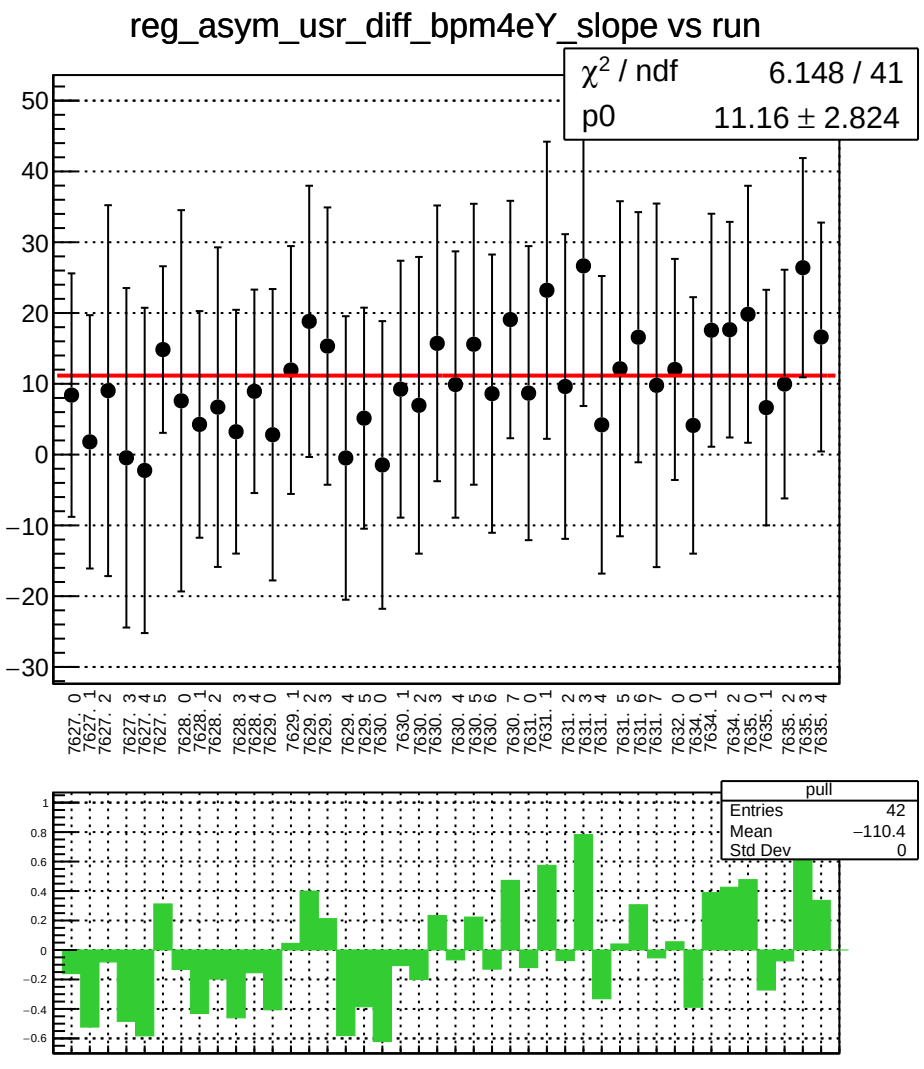

pull1D
Entries 42
Mean −0.01019
Std Dev 0.7144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

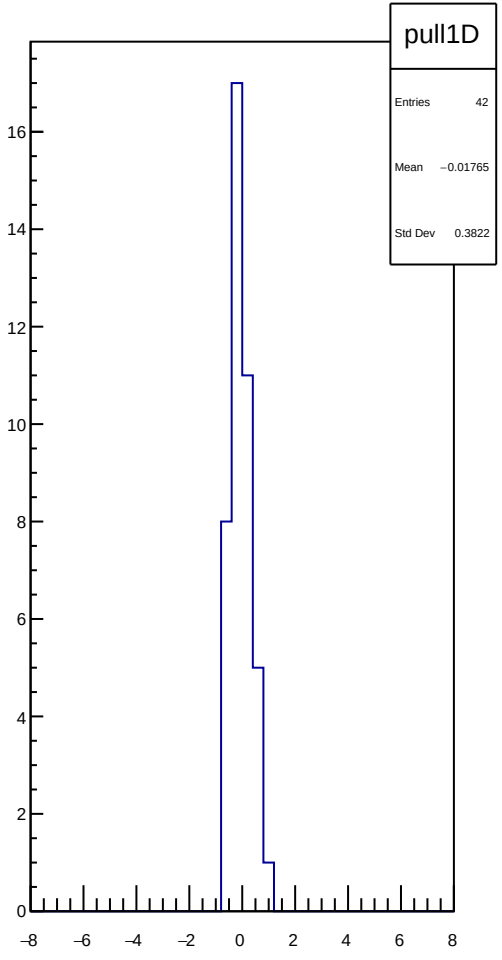

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 6.519 / 41
p0 8.239 ± 1.924
pull
Entries 42
Mean −99.13
Std Dev 0

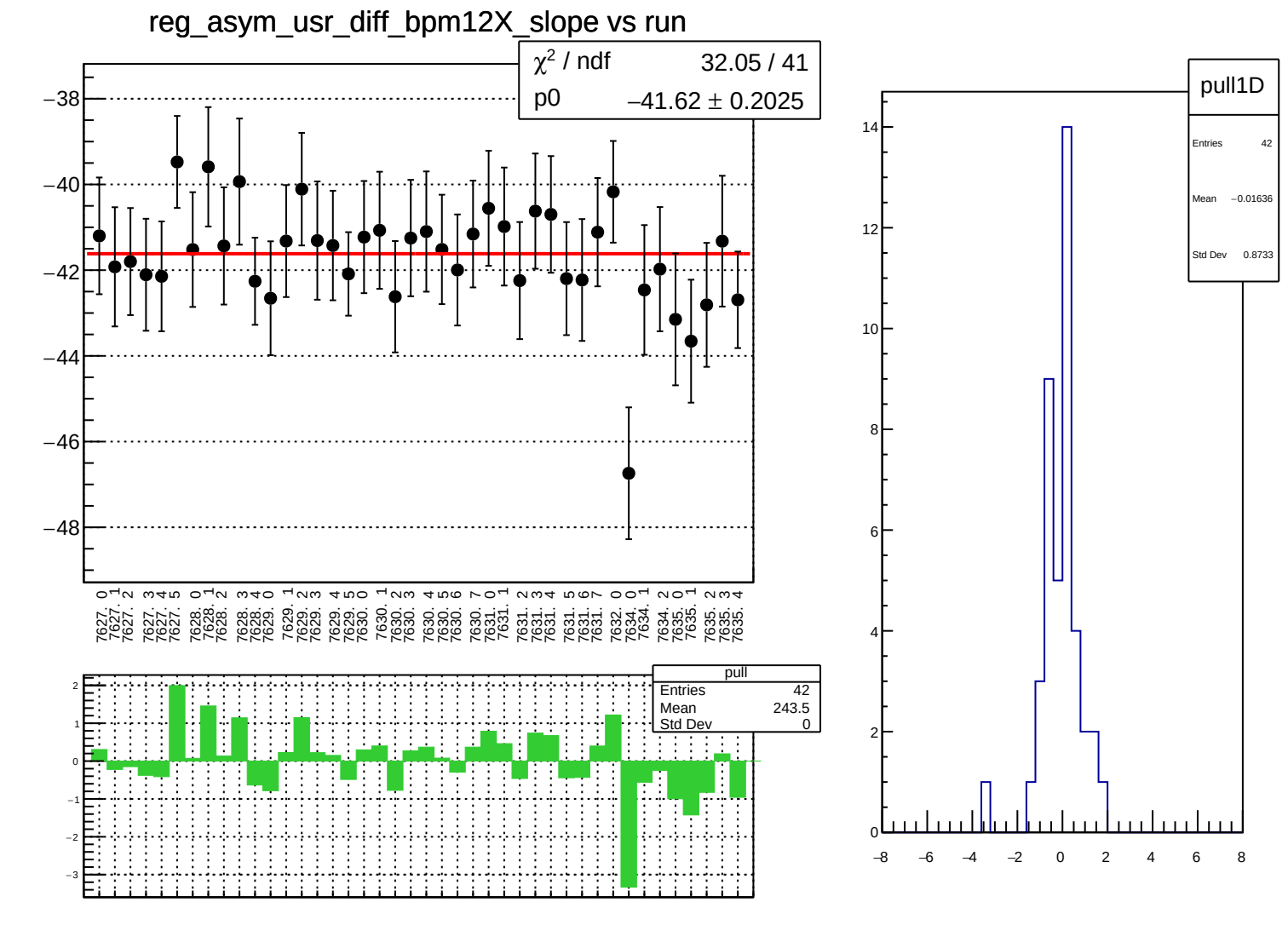

pull1D
Entries 42
Mean 0.01953
Std Dev 0.3935

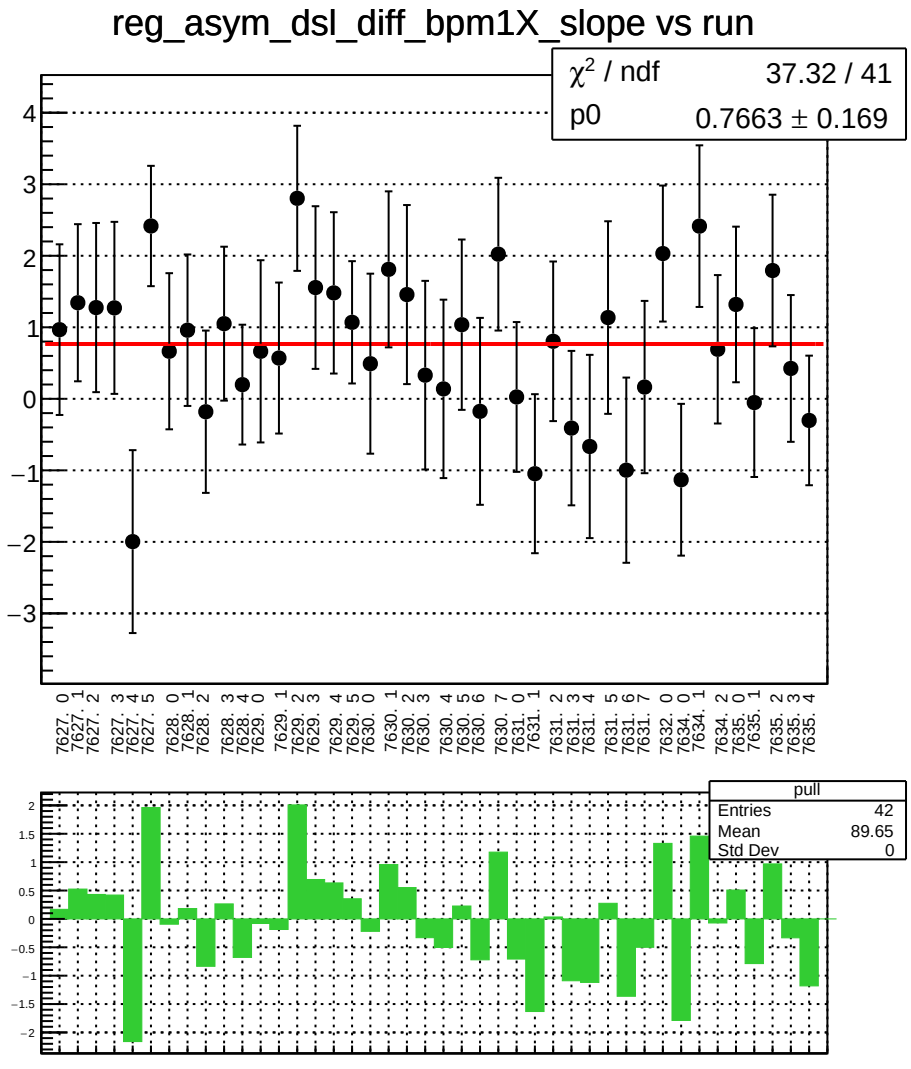

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 24.6 / 41
p0 160.8 ± 1.248
190
180
170
160
150
140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 649.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

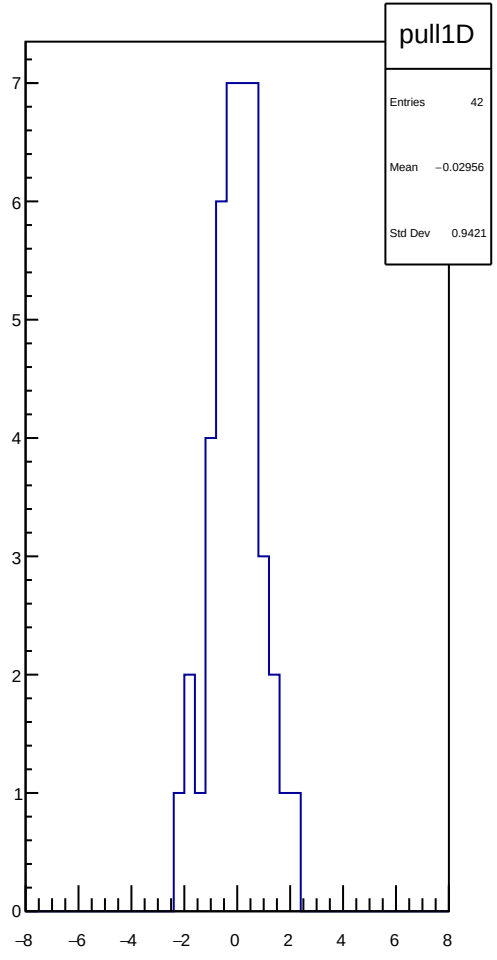

pull1D
Entries 42
Mean 0.004516
Std Dev 0.7653
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

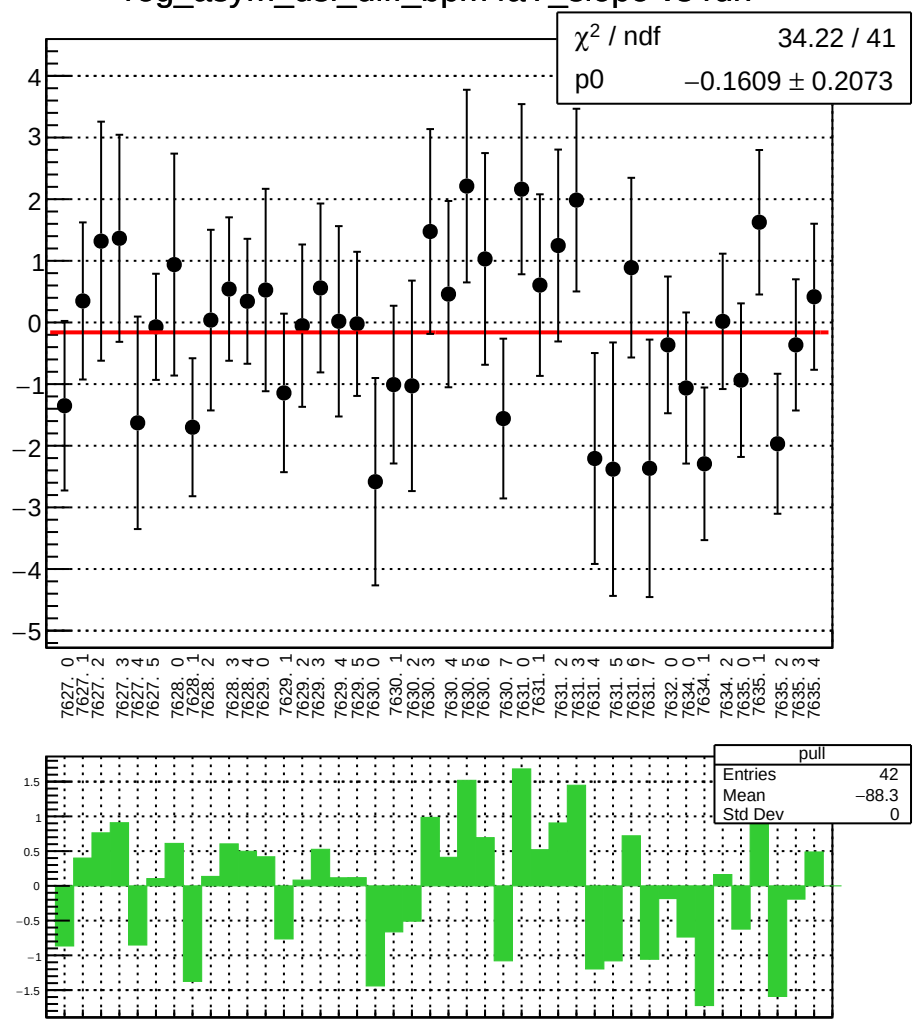

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 6.148 / 41
p0 11.16 ± 2.824
pull
Entries 42
Mean −110.4
Std Dev 0

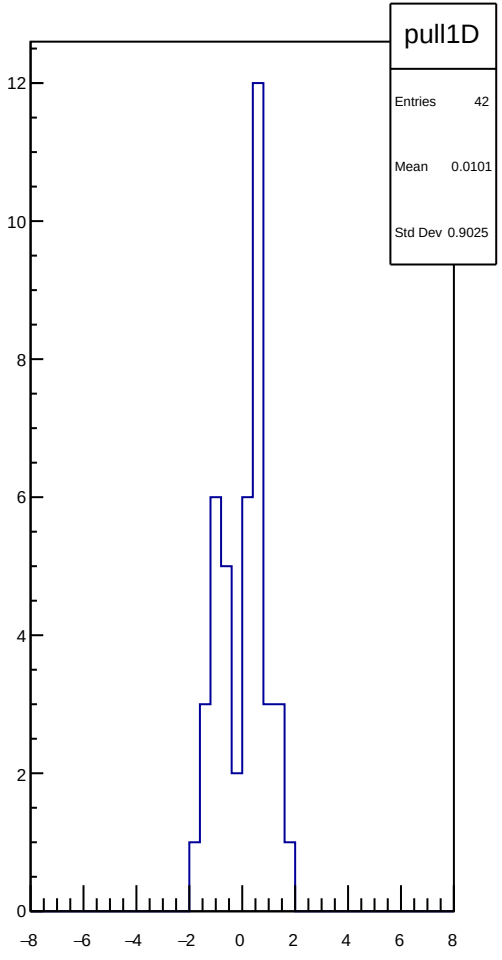

pull1D
Entries 42
Mean −0.01765
Std Dev 0.3822

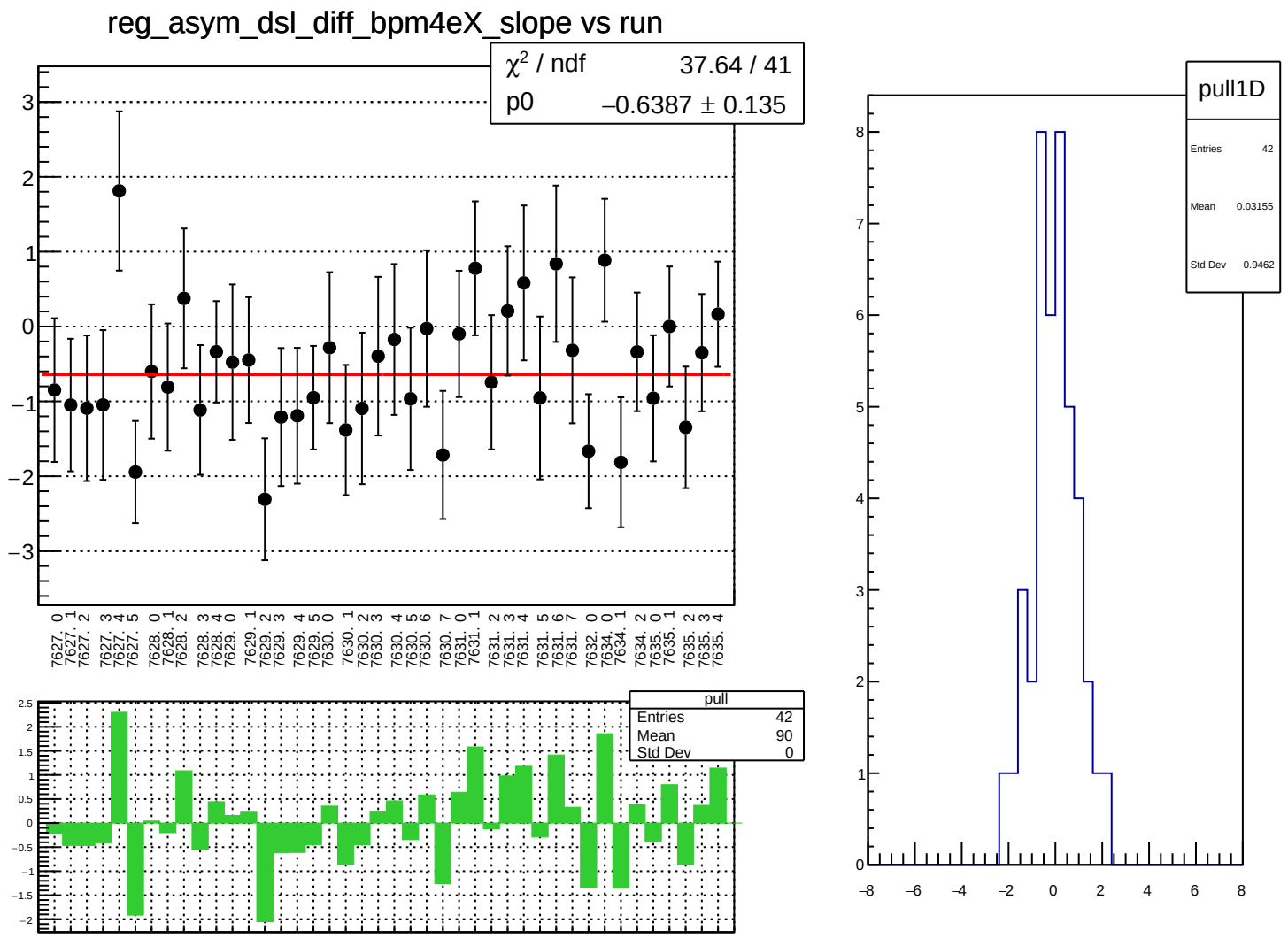

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 32.05 / 41
p0 −41.62 ± 0.2025
−38
−40
−42
−44
−46
−48
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 243.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 42
Mean −0.01636
Std Dev 0.8733
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

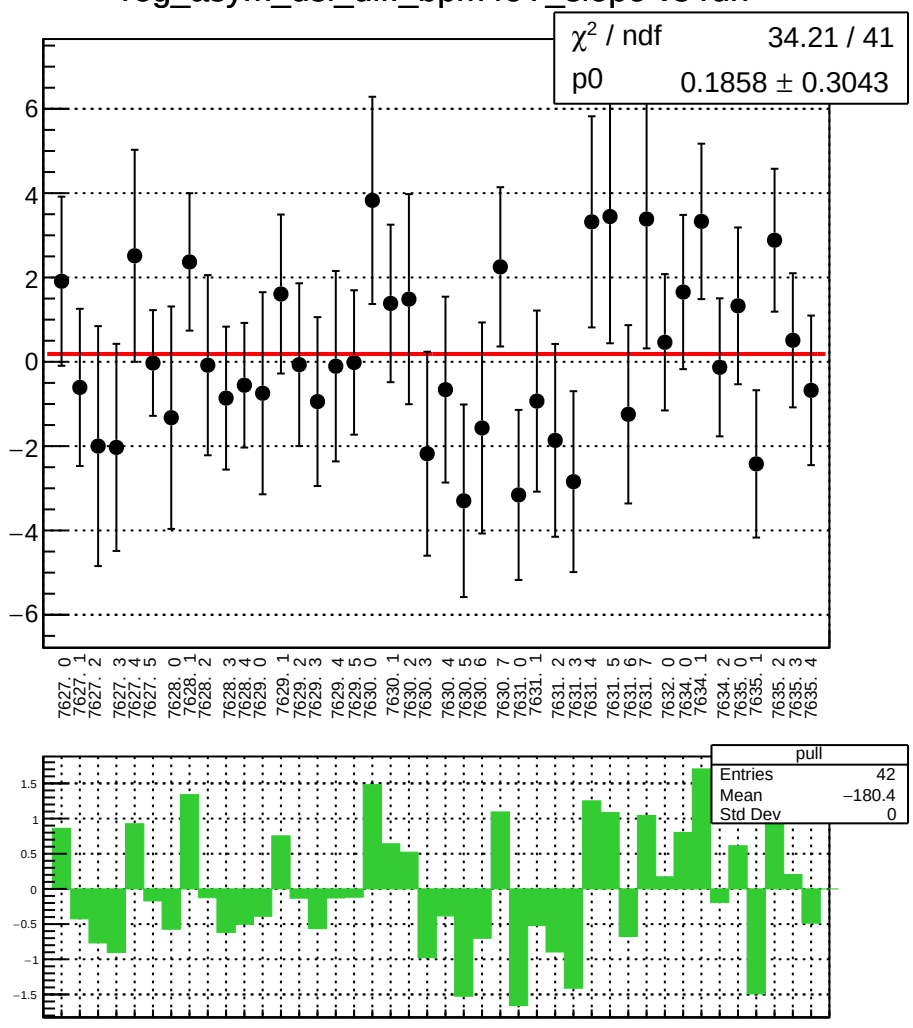

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 37.32 / 41
p0 0.7663 ± 0.169
pull
Entries 42
Mean 89.65
Std Dev 0

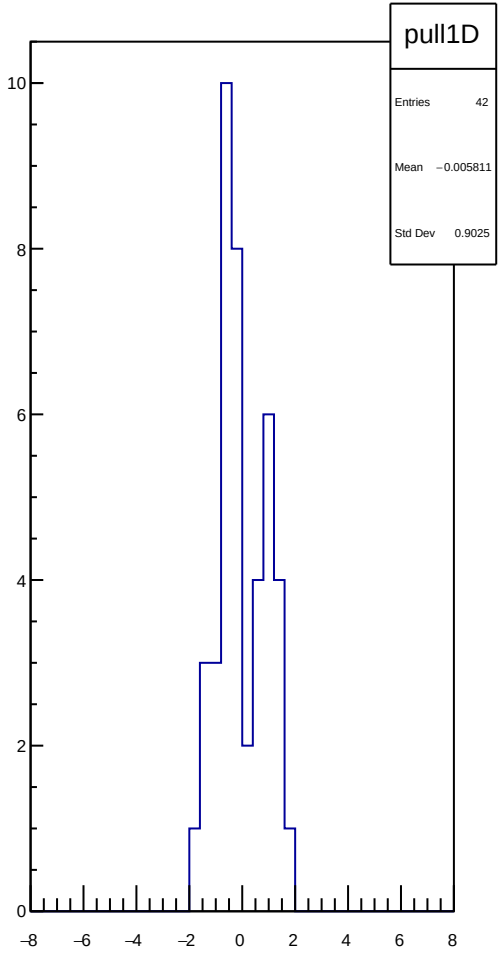

pull1D
Entries 42
Mean −0.02956
Std Dev 0.9421

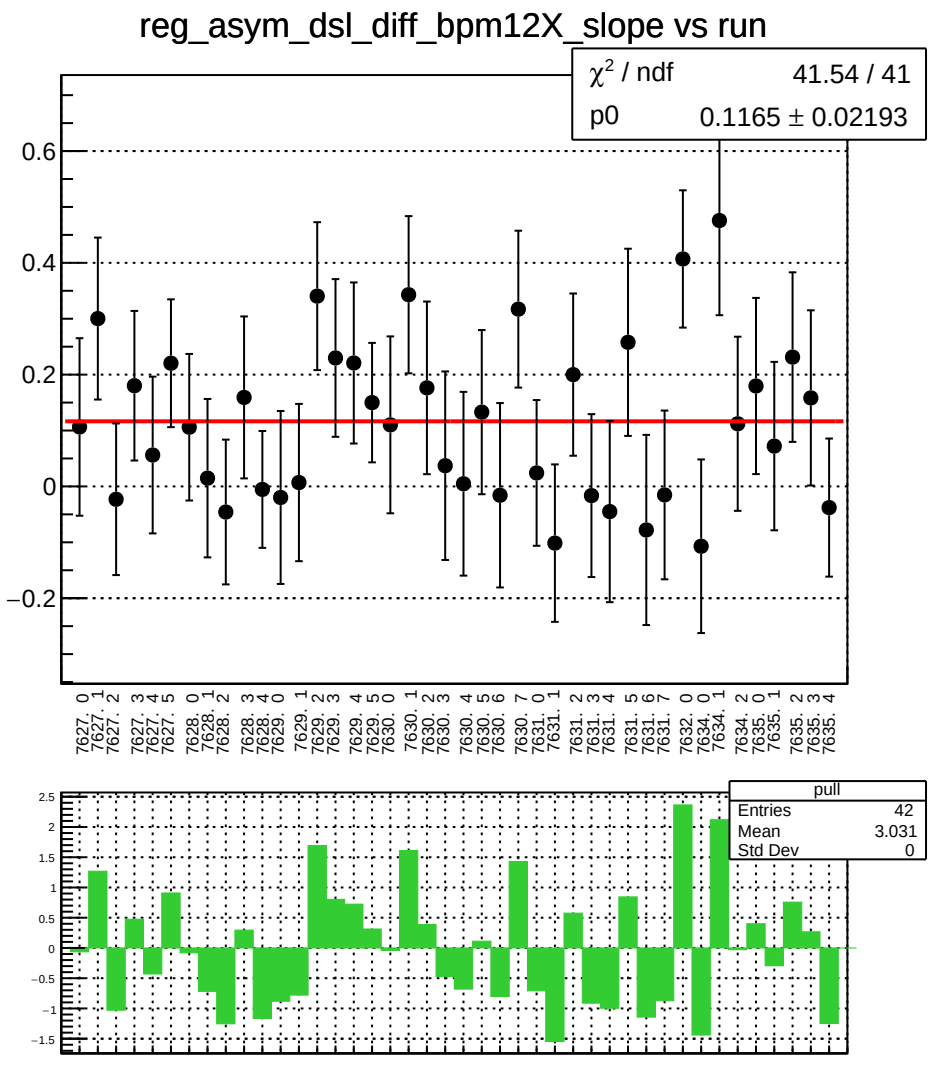

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 34.22 / 41
p0 −0.1609 ± 0.2073
pull
Entries 42
Mean −88.3
Std Dev 0

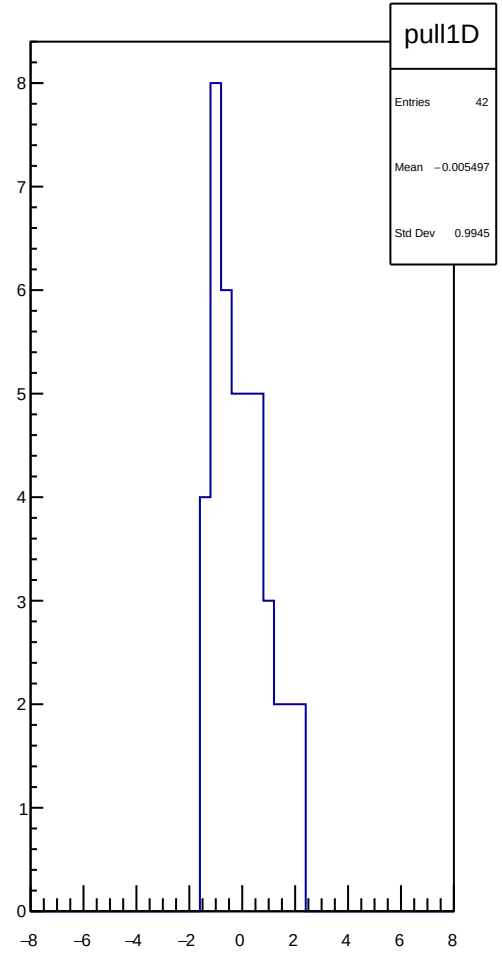

pull1D
Entries 42
Mean 0.0101
Std Dev 0.9025

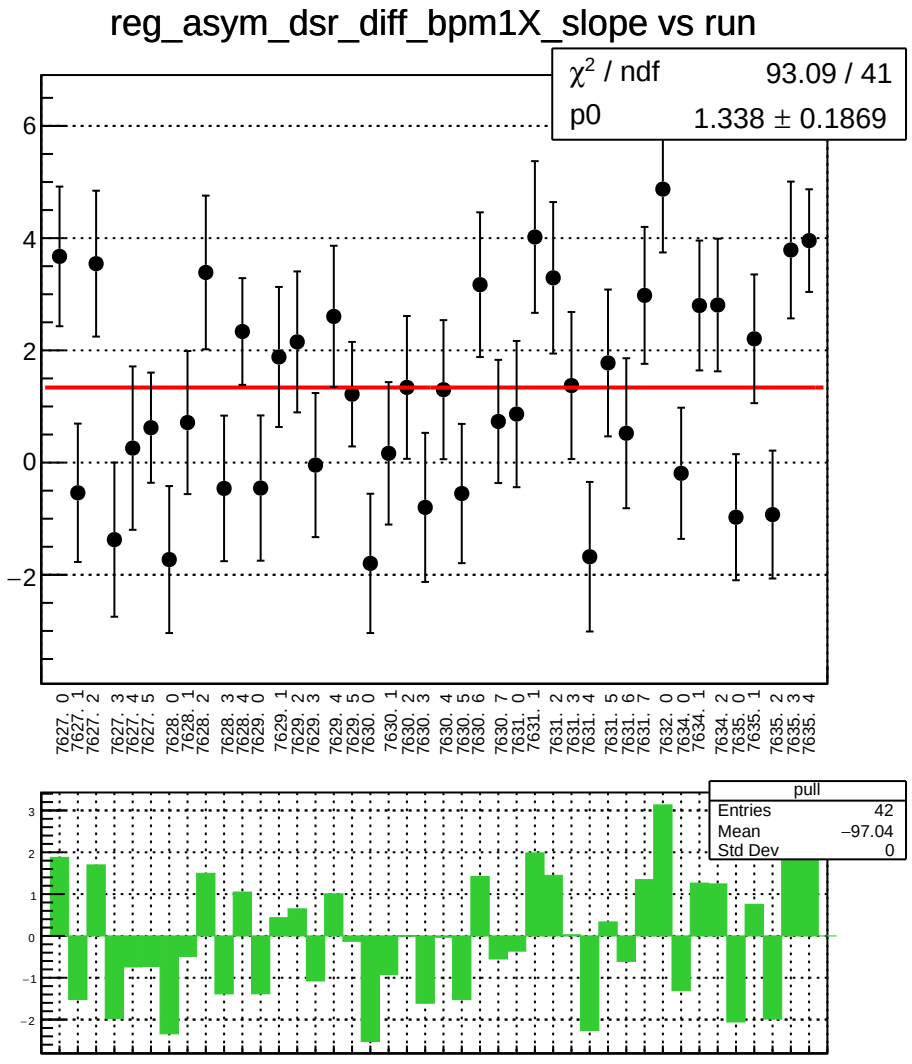

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 37.64 / 41
p0 −0.6387 ± 0.135
pull
Entries 42
Mean 90
Std Dev 0
pull1D
Entries 42
Mean 0.03155
Std Dev 0.9462

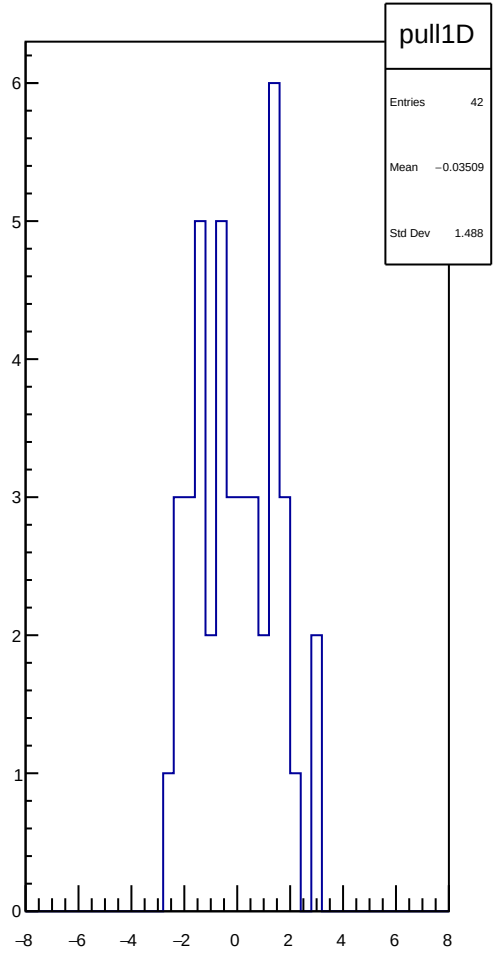

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 34.21 / 41
p0 0.1858 ± 0.3043
pull
Entries 42
Mean −180.4
Std Dev 0

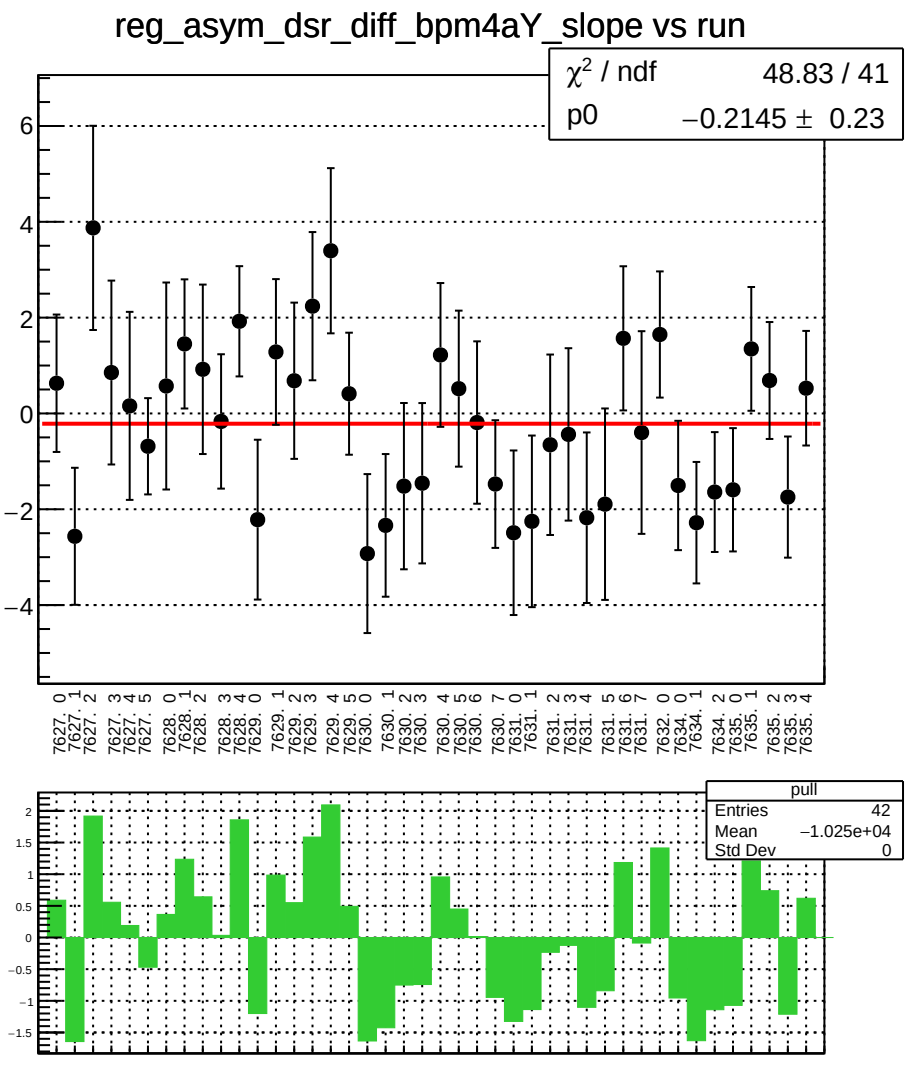

pull1D
Entries 42
Mean −0.005811
Std Dev 0.9025

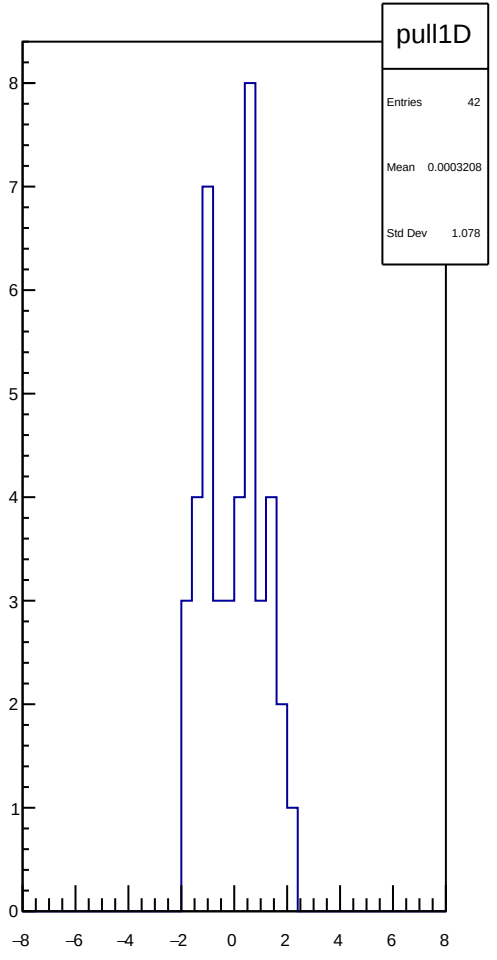

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 41.54 / 41
p0 0.1165 ± 0.02193
0.6
0.4
0.2
0
−0.2
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 3.031
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

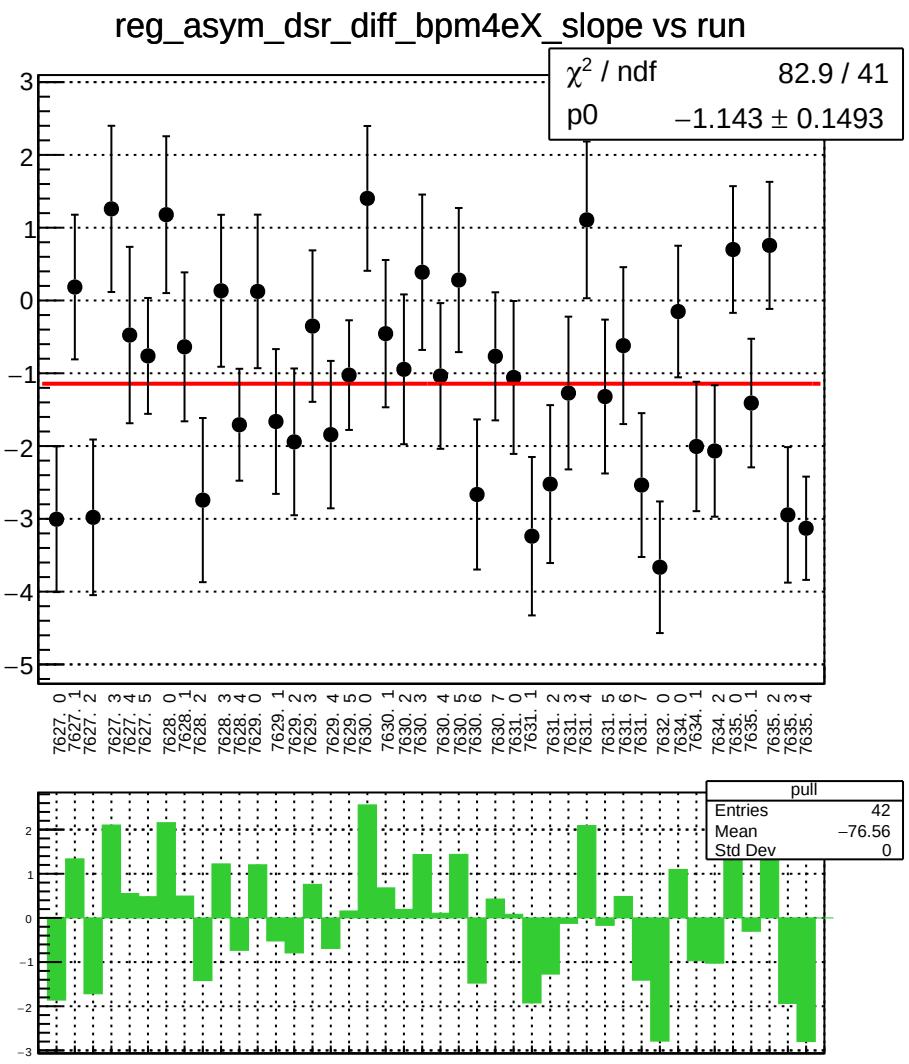

pull1D
Entries 42
Mean −0.005497
Std Dev 0.9945
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

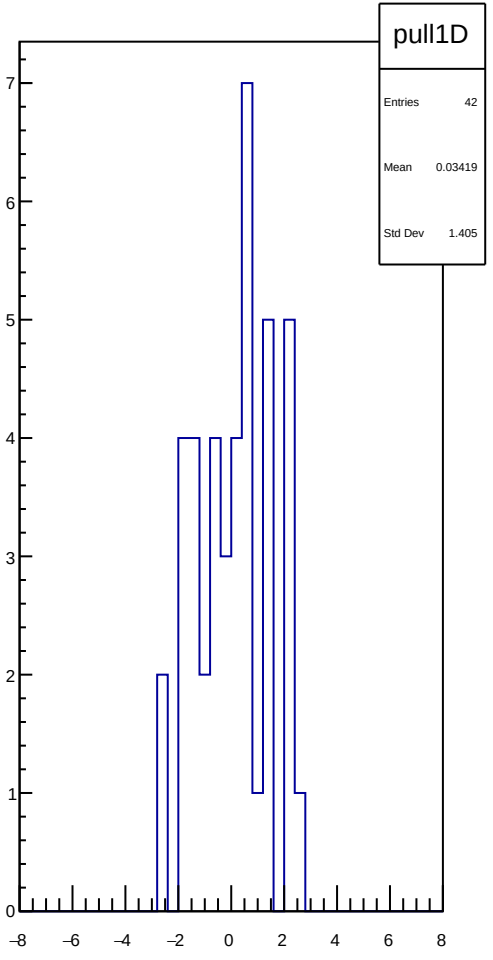

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 93.09 / 41
p0 1.338 ± 0.1869
pull
Entries 42
Mean −97.04
Std Dev 0

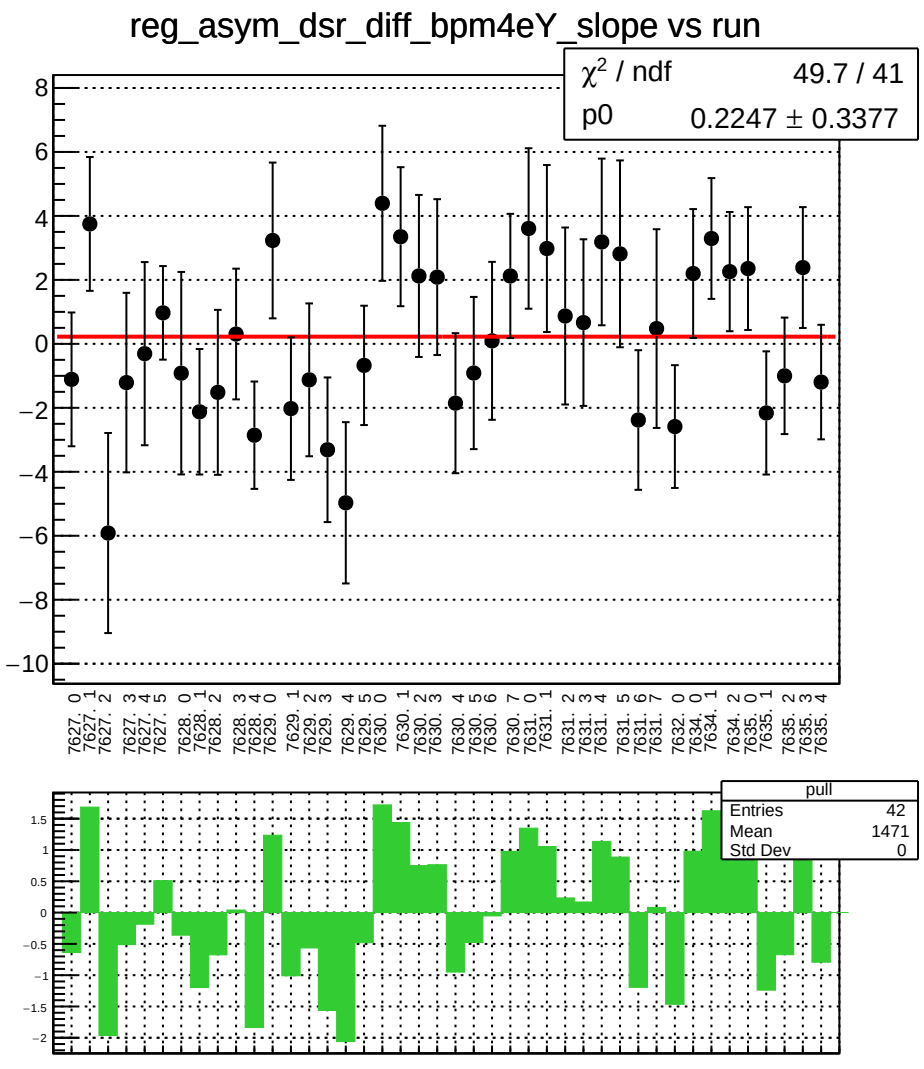

pull1D
Entries 42
Mean −0.03509
Std Dev 1.488

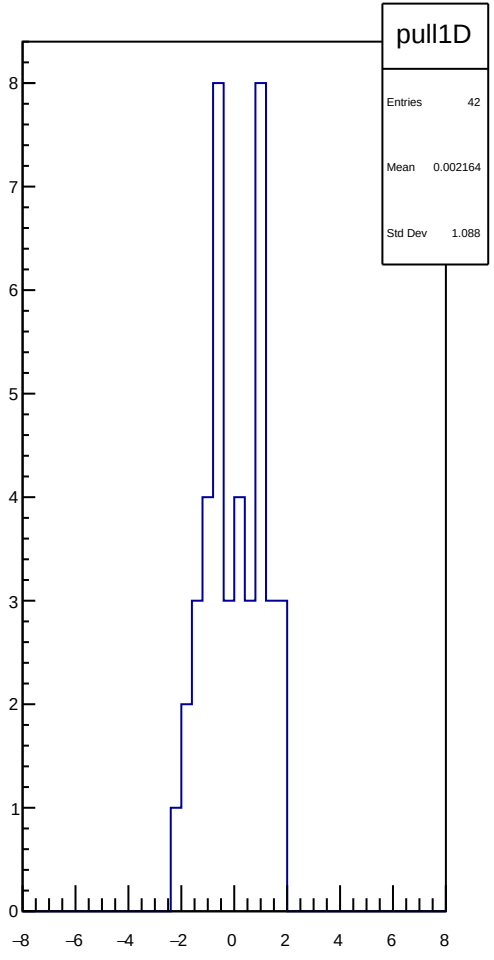

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 48.83 / 41
p0 −0.2145 ± 0.23
pull
Entries 42
Mean −1.025e+04
Std Dev 0

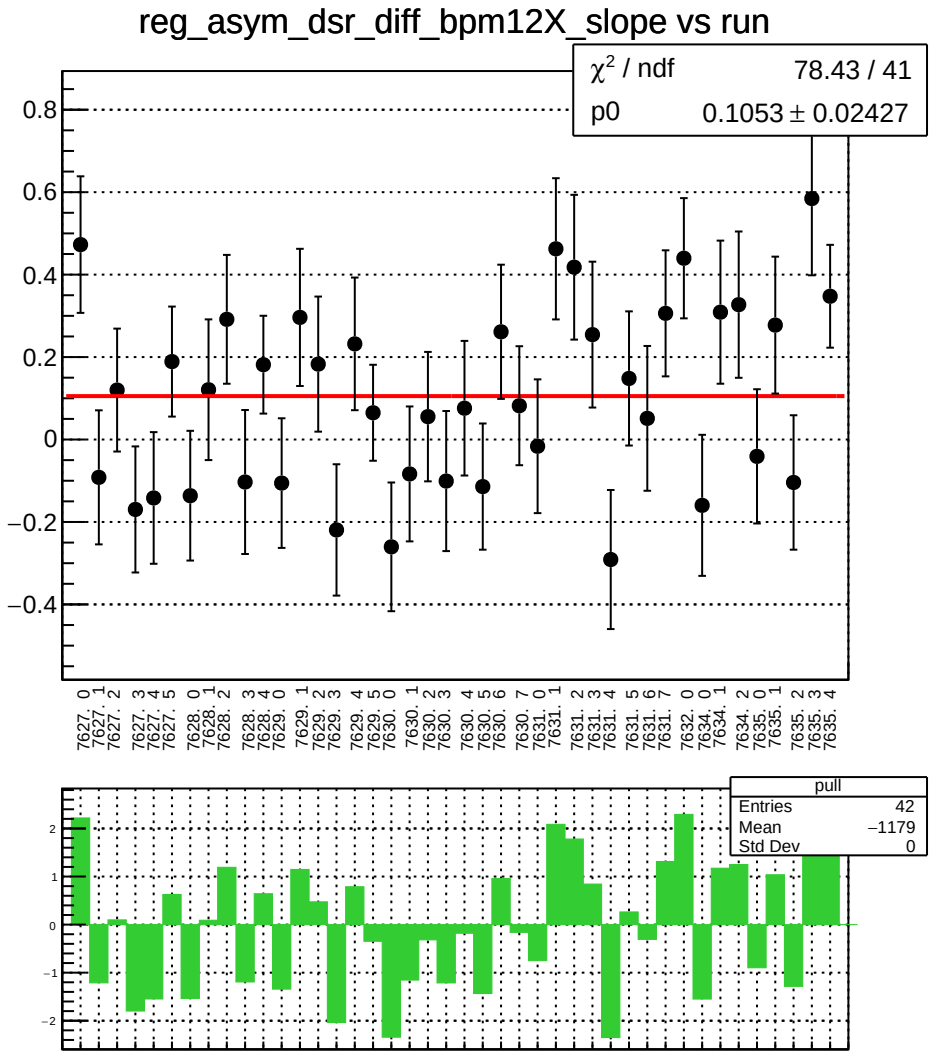

pull1D
Entries 42
Mean 0.0003208
Std Dev 1.078

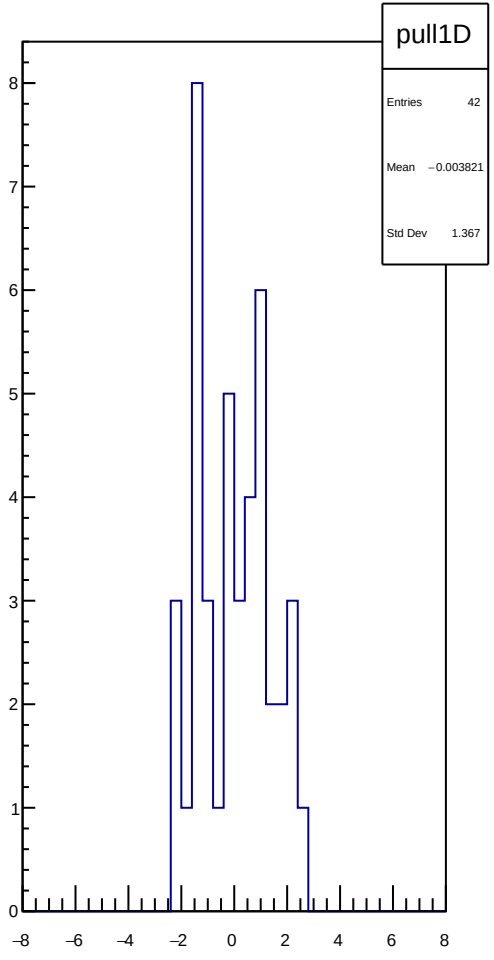

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 82.9 / 41
p0 −1.143 ± 0.1493
pull
Entries 42
Mean −76.56
Std Dev 0

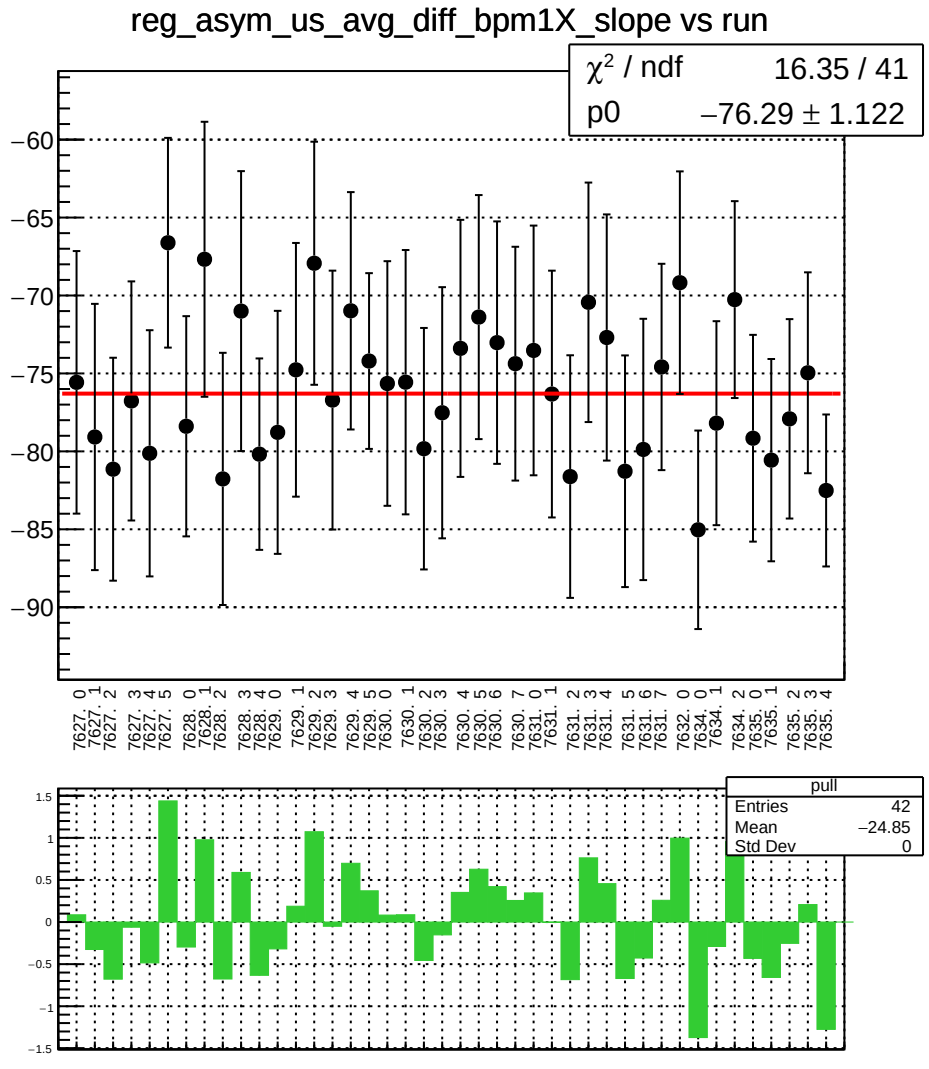

pull1D
Entries 42
Mean 0.03419
Std Dev 1.405

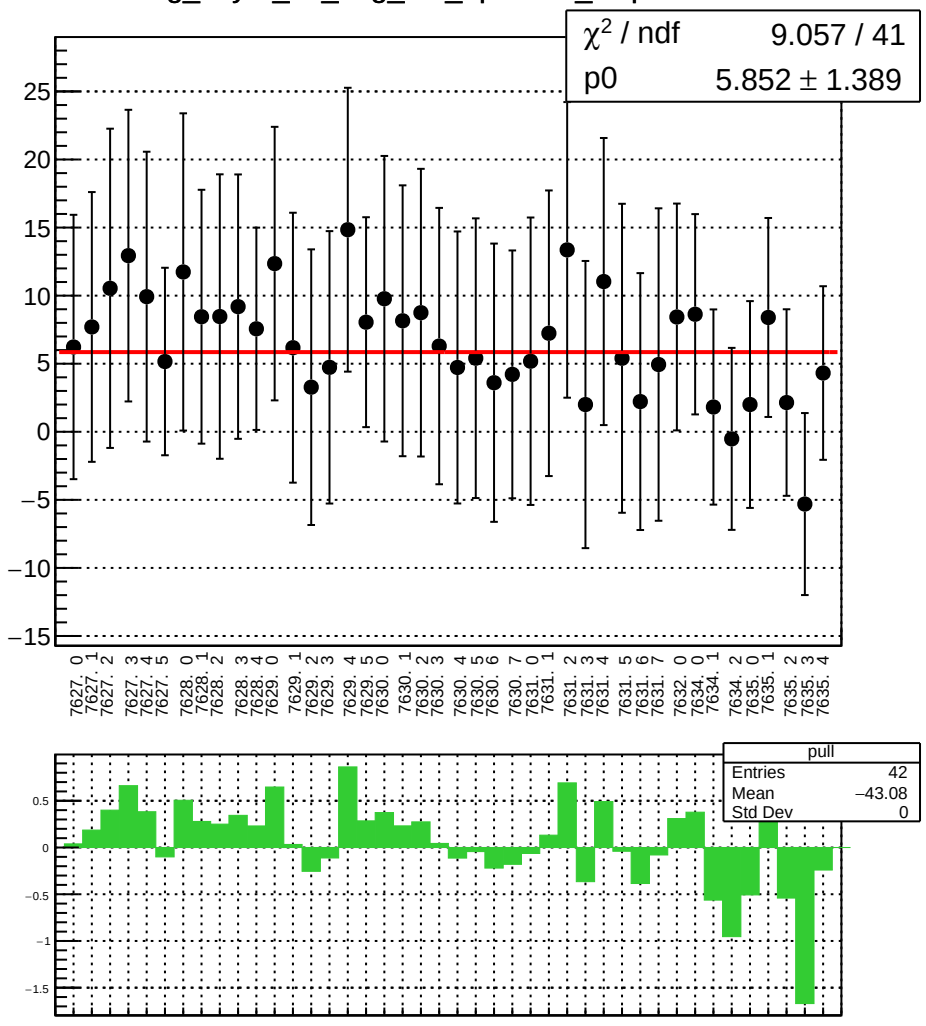

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 49.7 / 41
p0 0.2247 ± 0.3377
pull
Entries 42
Mean 1471
Std Dev 0

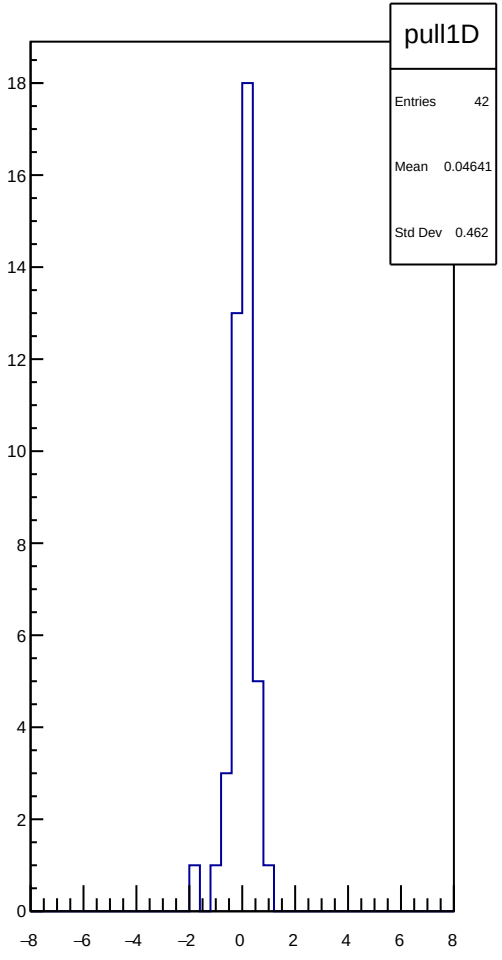

pull1D
Entries 42
Mean 0.002164
Std Dev 1.088

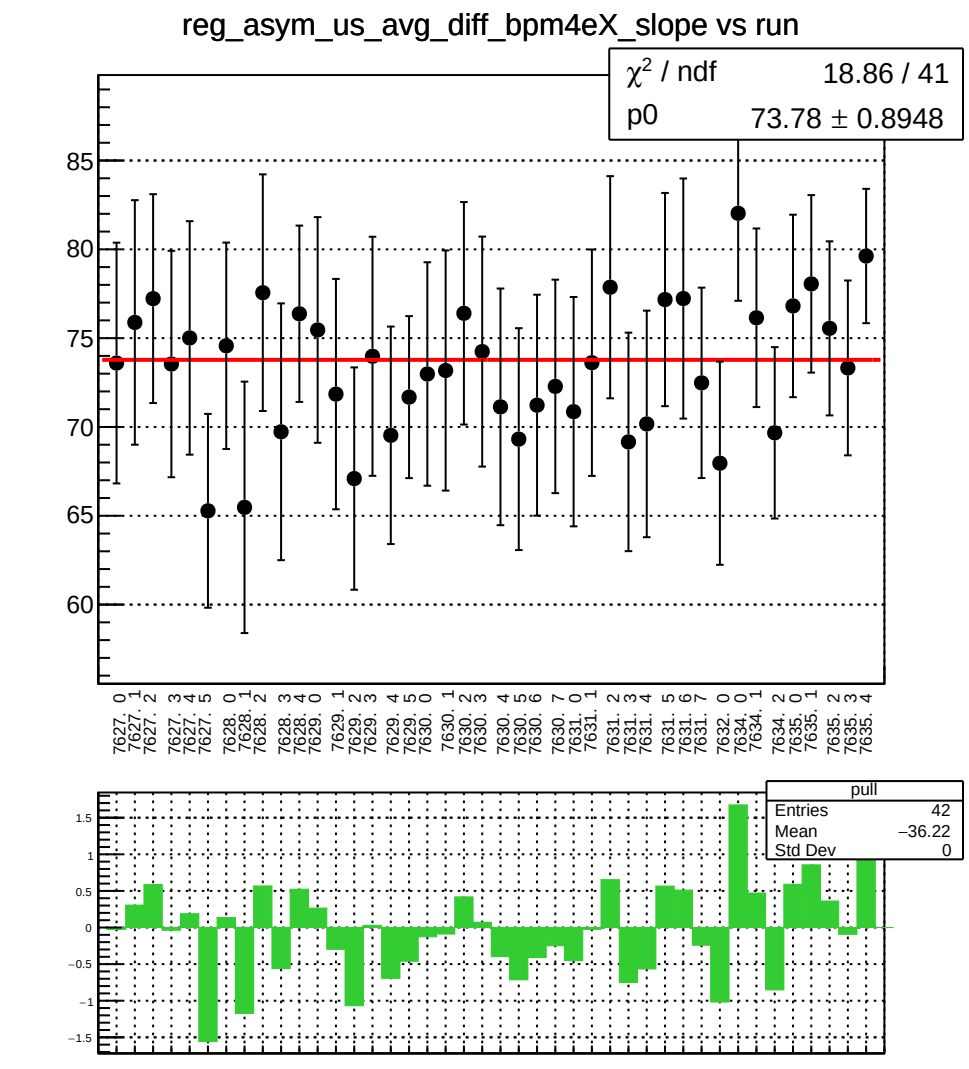

reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 78.43 / 41
p0 0.1053 ± 0.02427
0.8
0.6
0.4
0.2
0
−0.2
−0.4
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1179
Std Dev 0
2
1
0
−1
−2

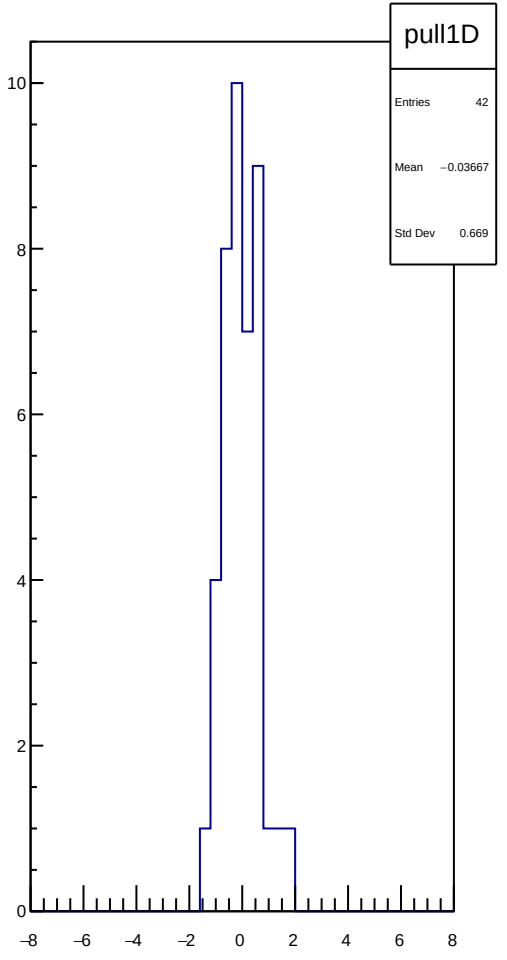

pull1D
Entries 42
Mean −0.003821
Std Dev 1.367
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

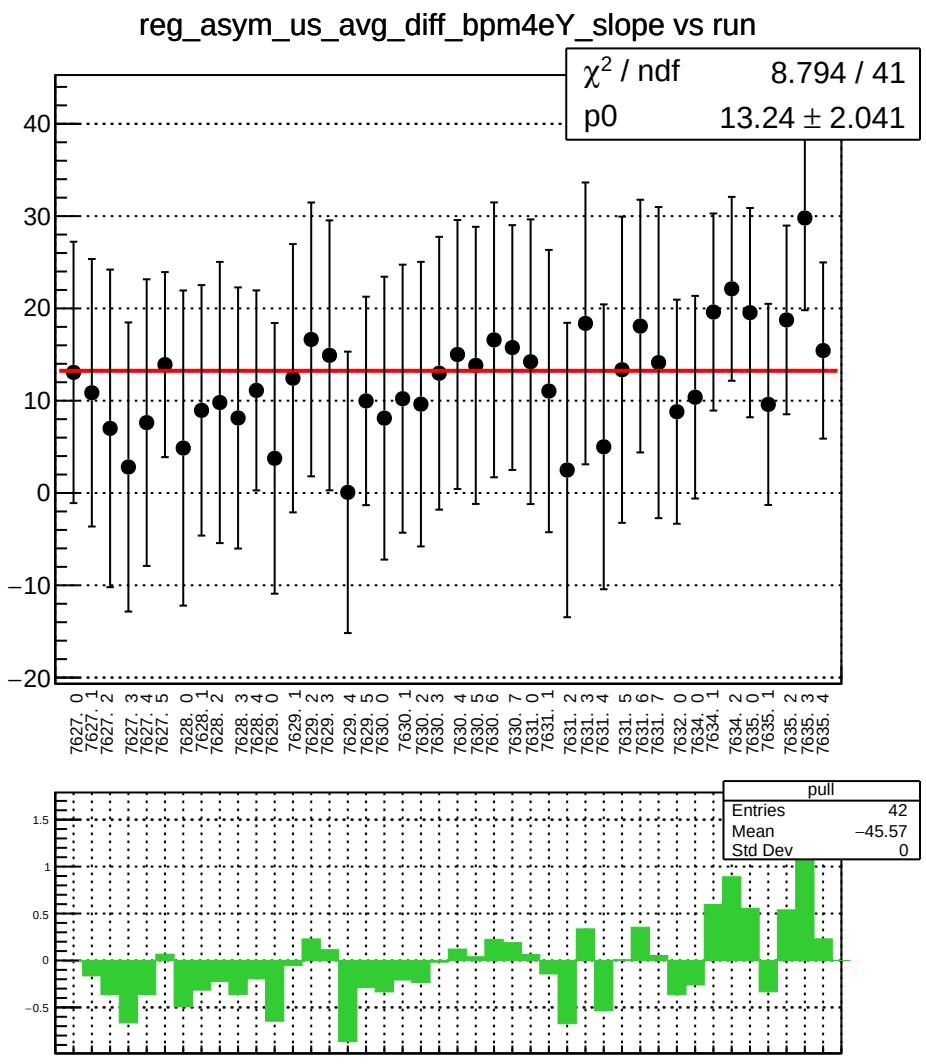

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 16.35 / 41
p0 −76.29 ± 1.122
pull
Entries 42
Mean −24.85
Std Dev 0
pull1D
Entries 42
Mean 0.02451
Std Dev 0.6234

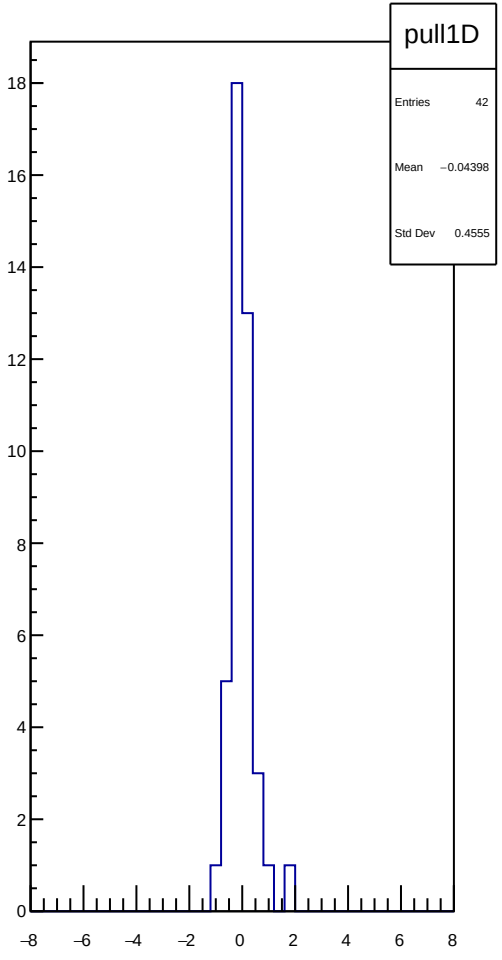

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.057 / 41
p0 5.852 ± 1.389
pull
Entries 42
Mean −43.08
Std Dev 0

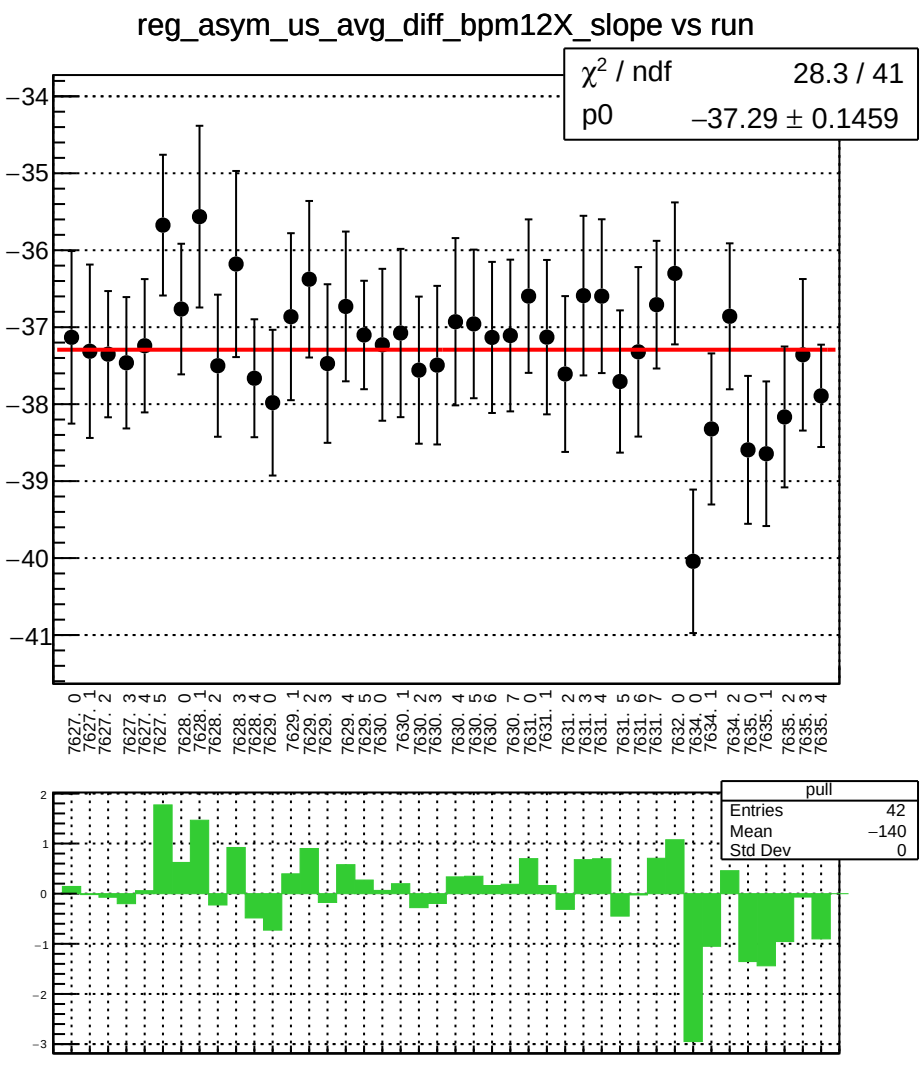

pull1D
Entries 42
Mean 0.04641
Std Dev 0.462

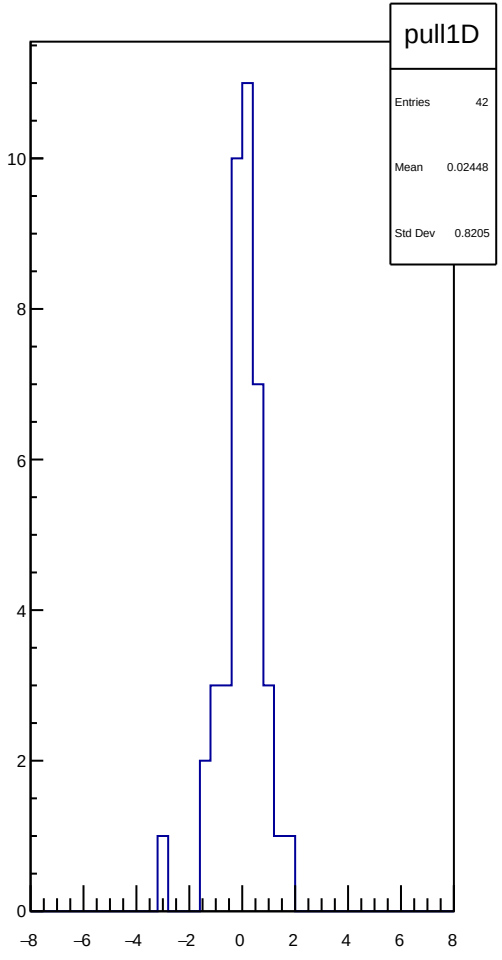

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.86 / 41
p0 73.78 ± 0.8948
85
80
75
70
65
60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −36.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

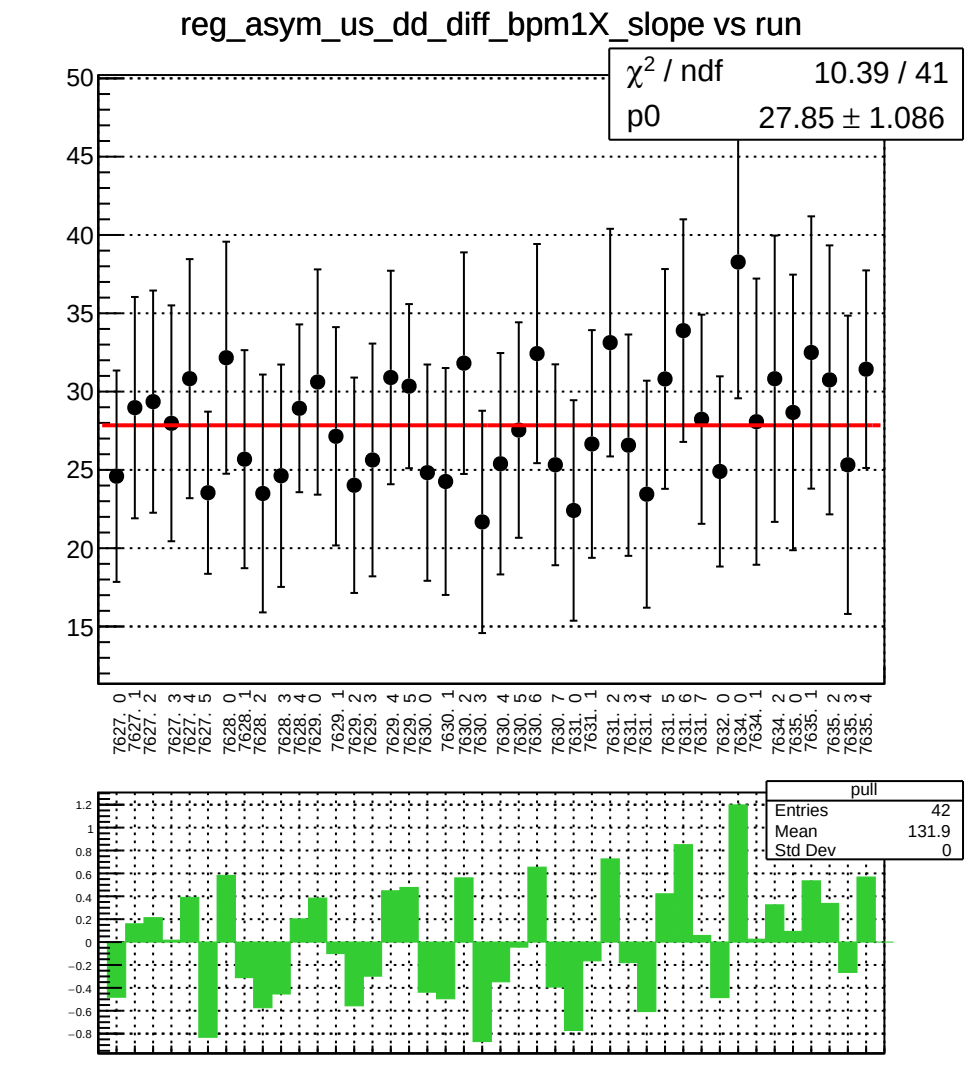

pull1D
Entries 42
Mean −0.03667
Std Dev 0.669
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

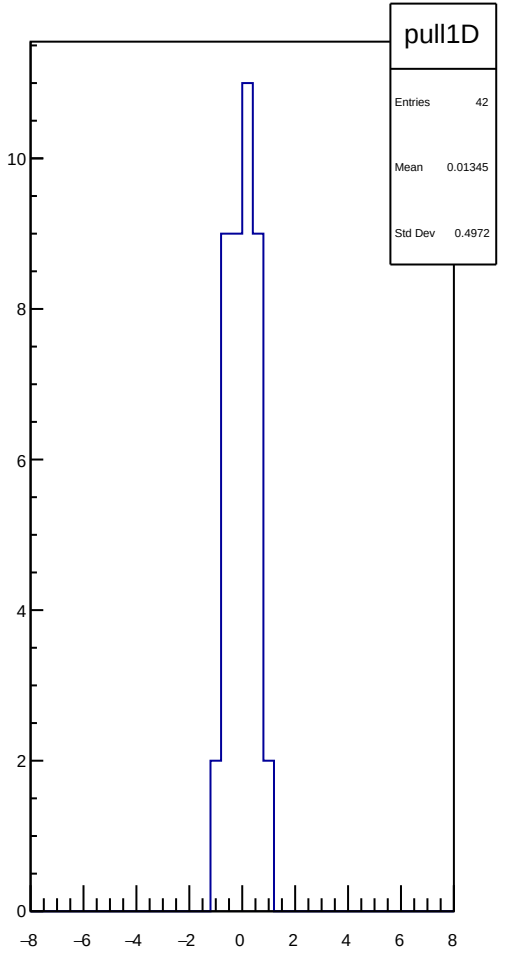

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.794 / 41
p0 13.24 ± 2.041
pull
Entries 42
Mean −45.57
Std Dev 0

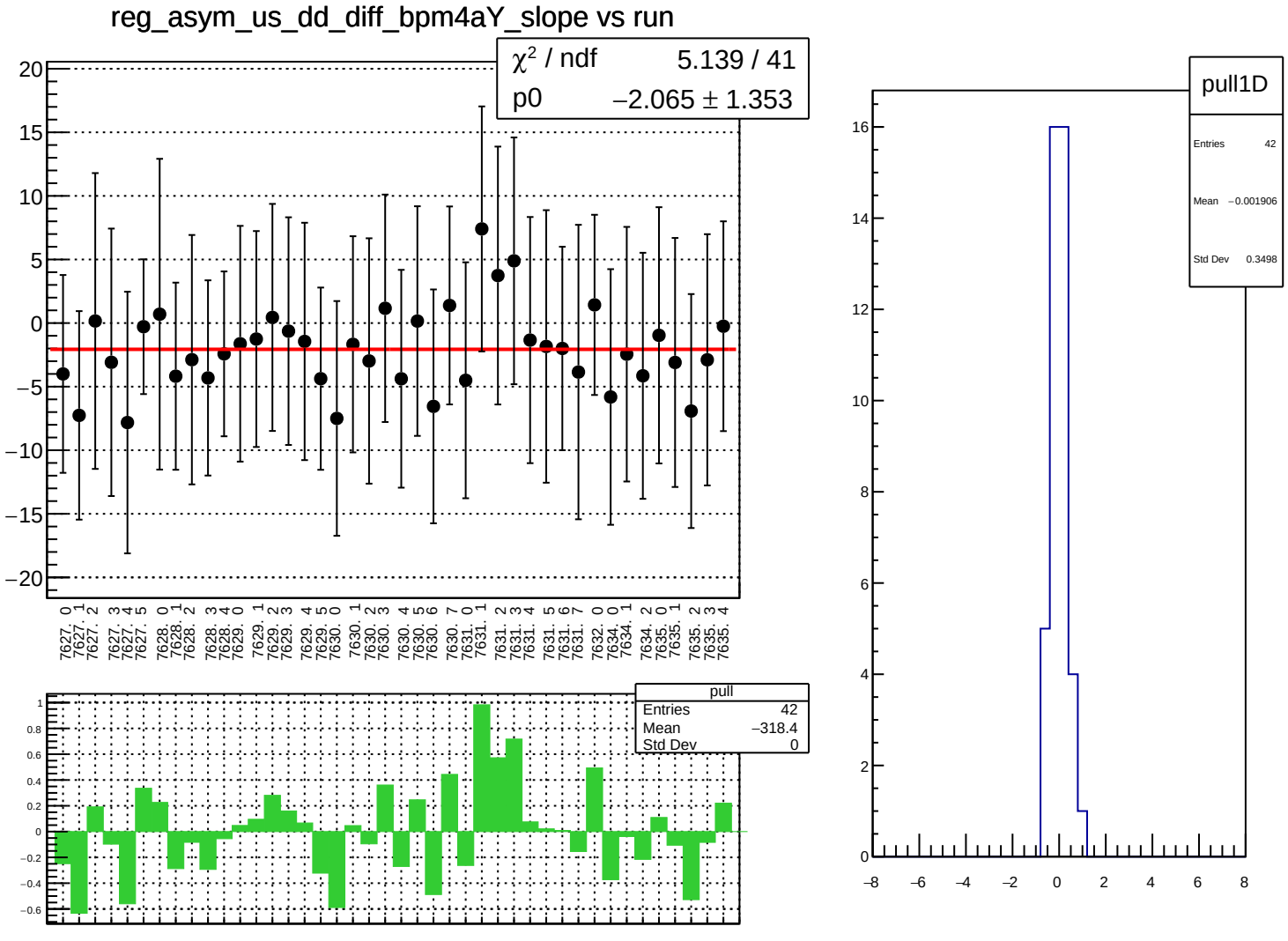

pull1D
Entries 42
Mean −0.04398
Std Dev 0.4555

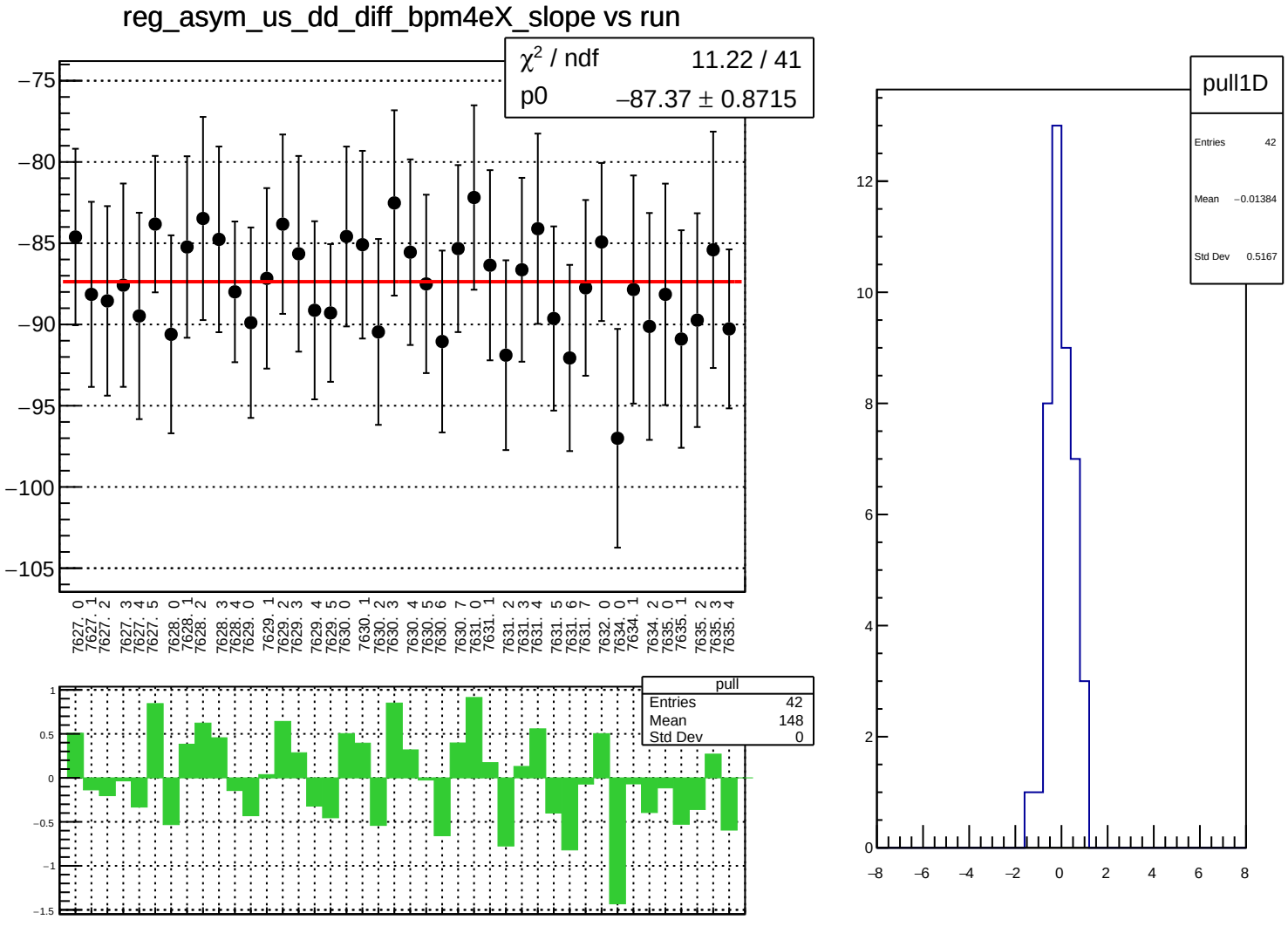

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 28.3 / 41
p0 −37.29 ± 0.1459
pull
Entries 42
Mean −140
Std Dev 0

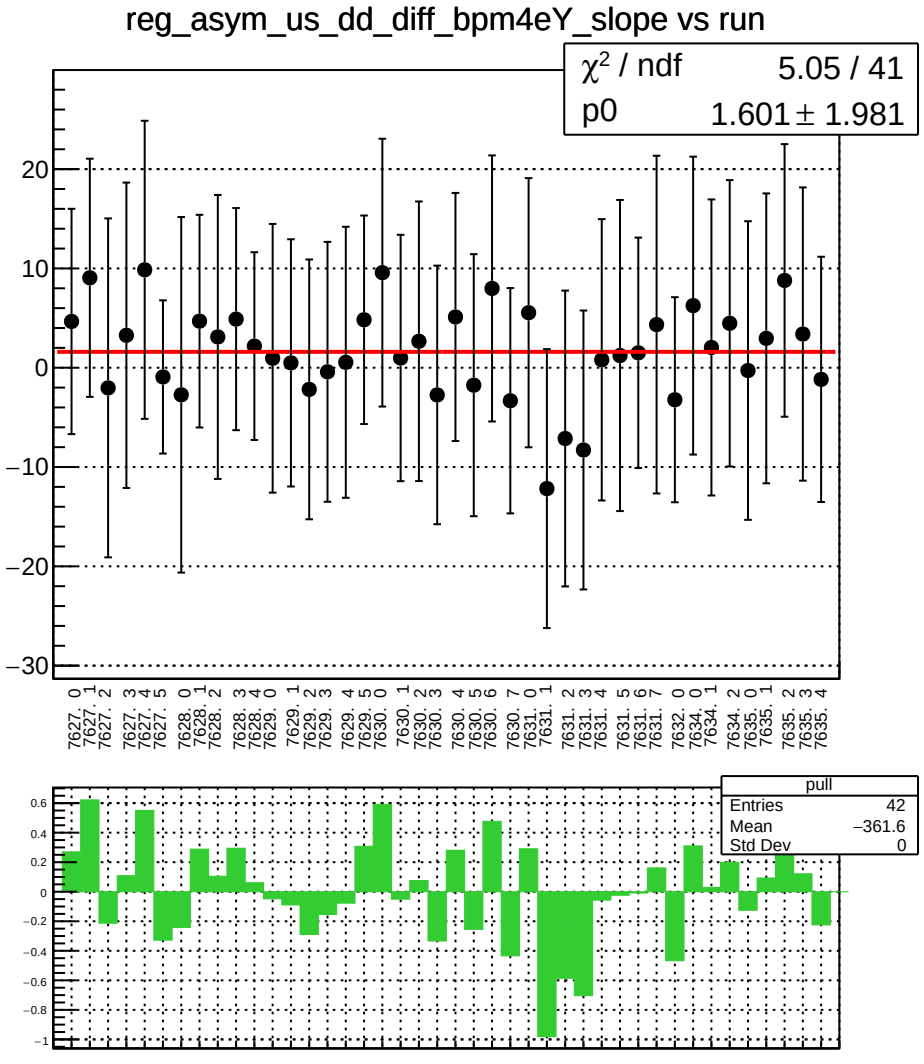

pull1D
Entries 42
Mean 0.02448
Std Dev 0.8205

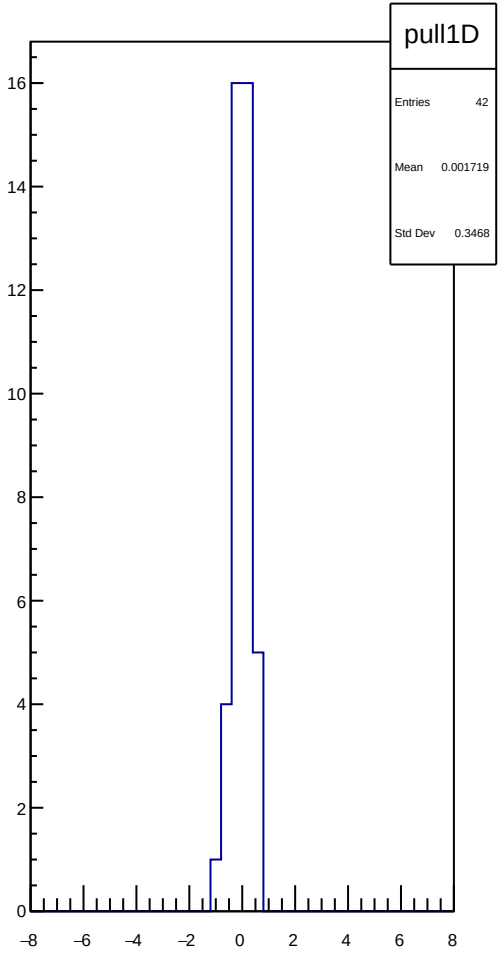

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 10.39 / 41
p0 27.85 ± 1.086
pull
Entries 42
Mean 131.9
Std Dev 0

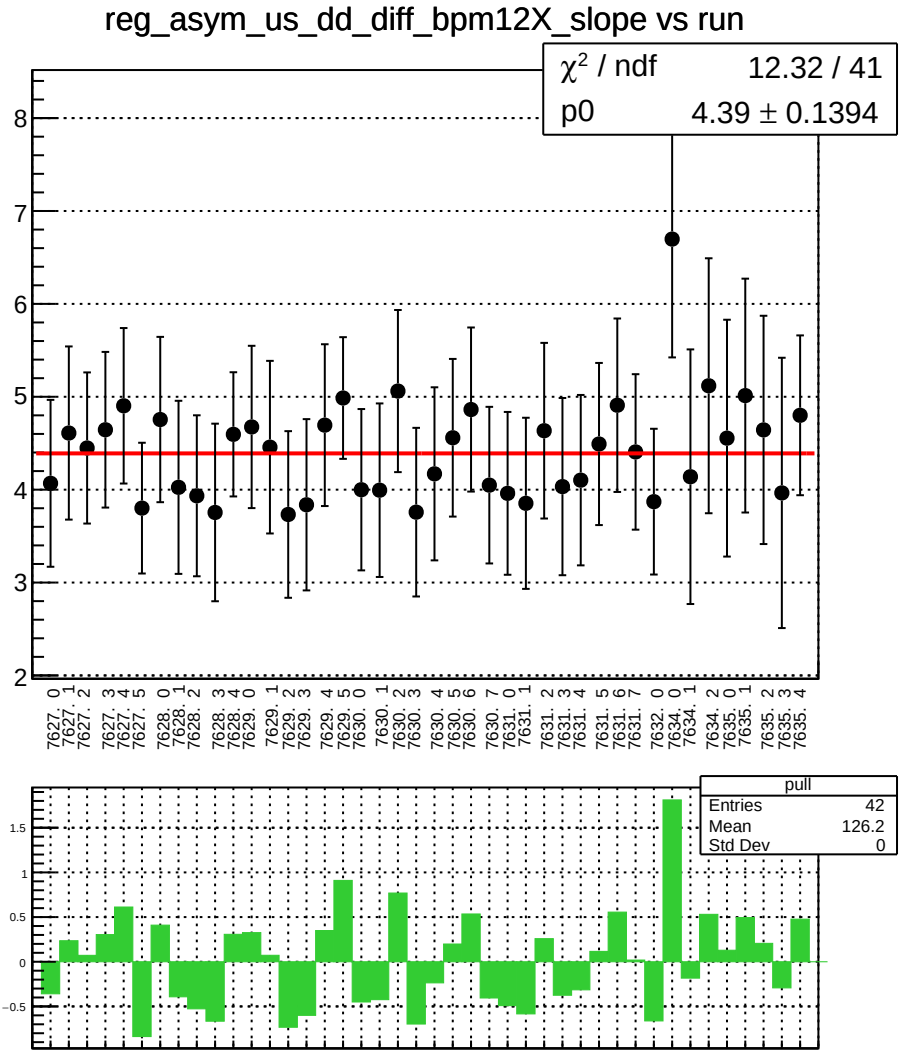

pull1D
Entries 42
Mean 0.01345
Std Dev 0.4972

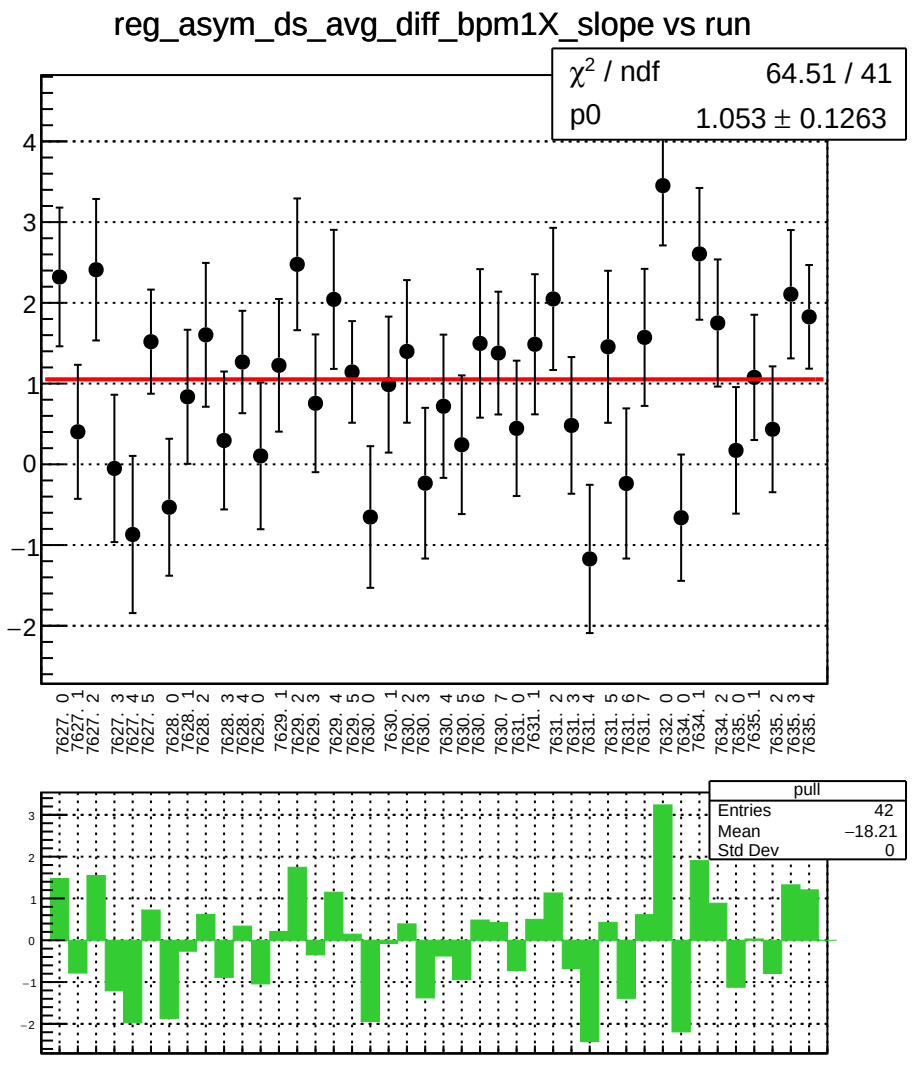

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.139 / 41
p0 −2.065 ± 1.353
pull
Entries 42
Mean −318.4
Std Dev 0
pull1D
Entries 42
Mean −0.001906
Std Dev 0.3498

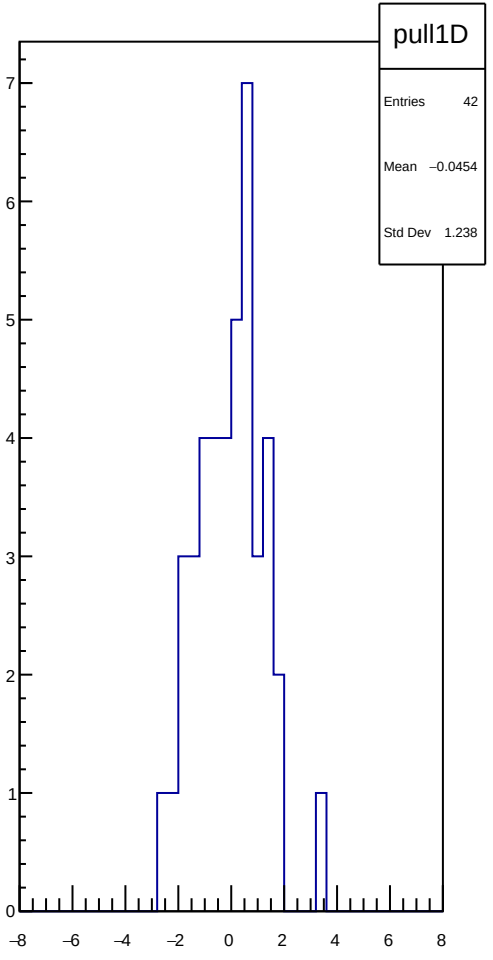

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.22 / 41
p0 −87.37 ± 0.8715
−75
−80
−85
−90
−95
−100
−105
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 148
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.01384
Std Dev 0.5167
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

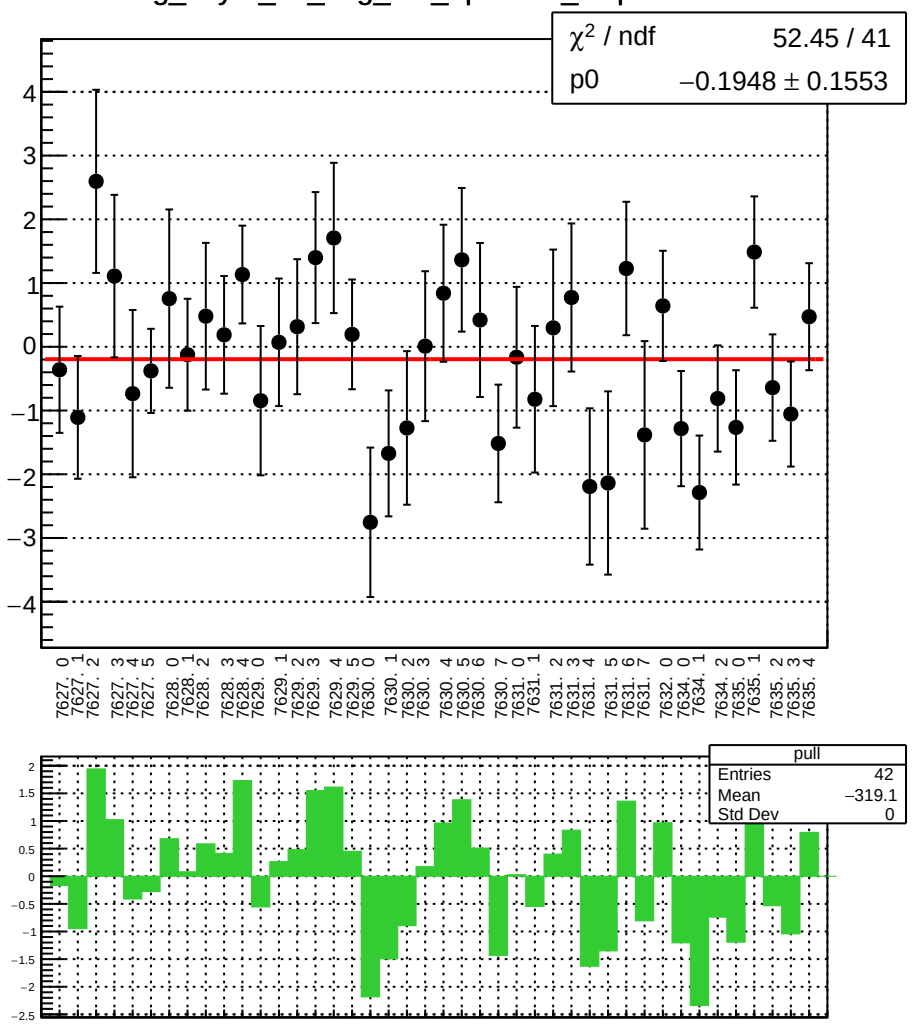

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.05 / 41
p0 1.601 ± 1.981
20
10
0
−10
−20
−30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −361.6
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

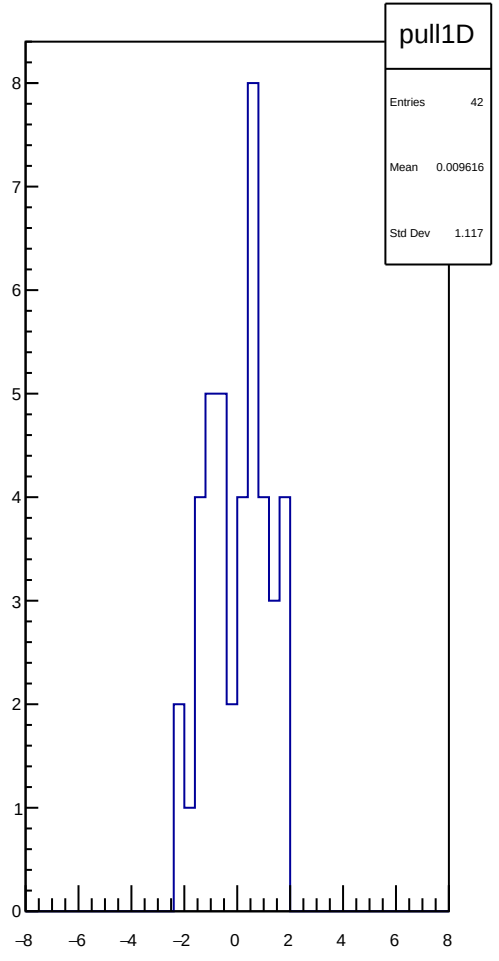

pull1D
Entries 42
Mean 0.001719
Std Dev 0.3468
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

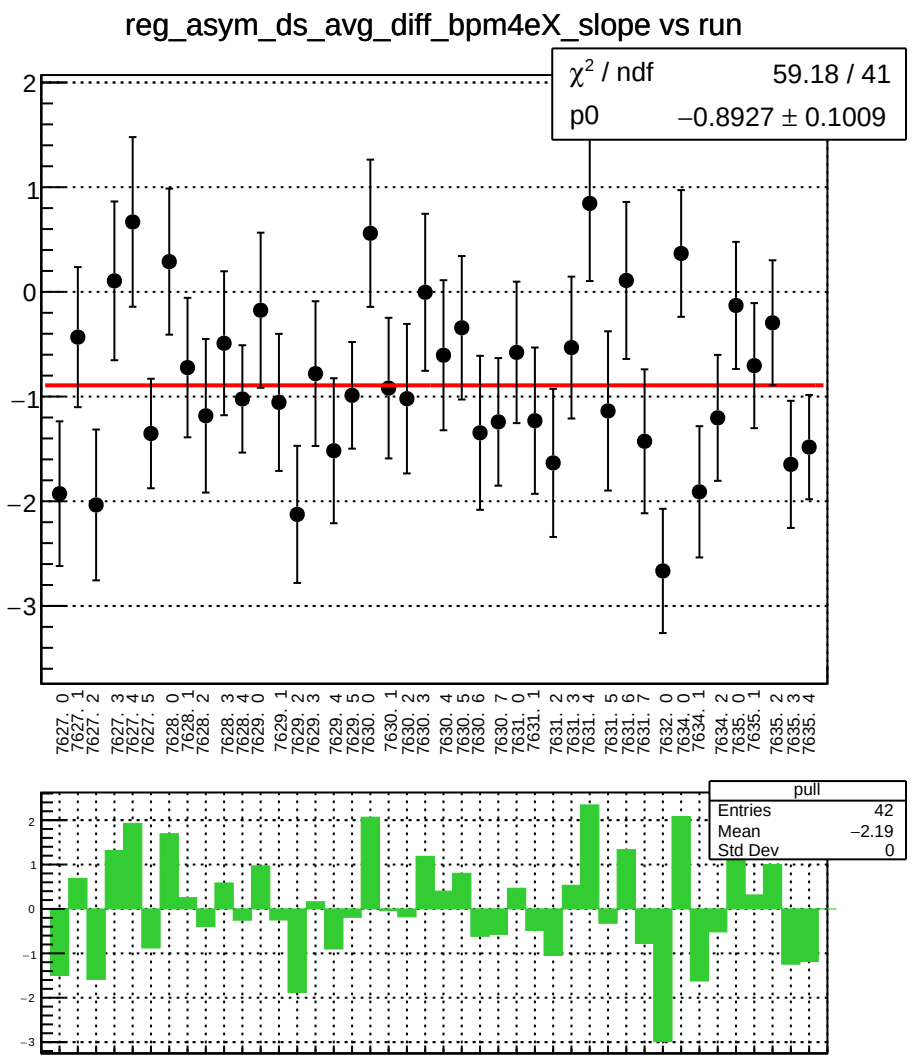

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 12.32 / 41
p0 4.39 ± 0.1394
pull
Entries 42
Mean 126.2
Std Dev 0
pull1D
Entries 42
Mean 0.01116
Std Dev 0.5414

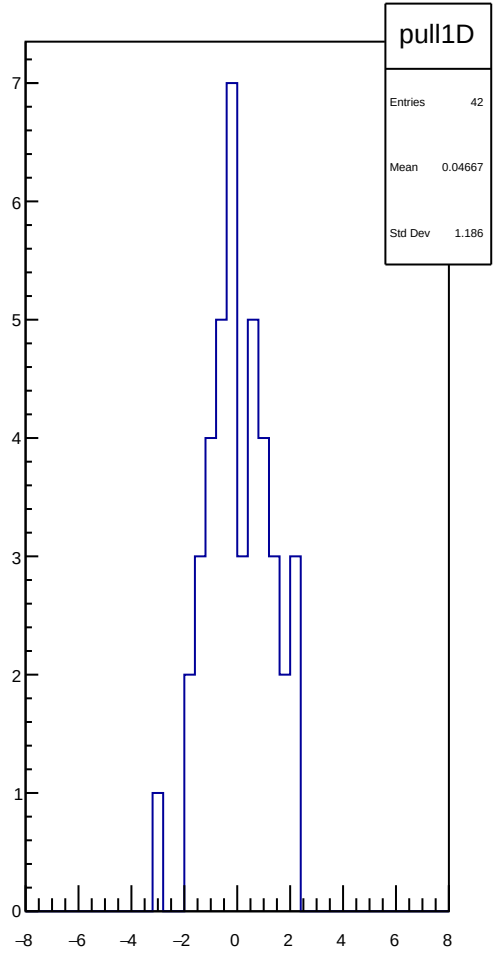

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 64.51 / 41
p0 1.053 ± 0.1263
pull
Entries 42
Mean −18.21
Std Dev 0

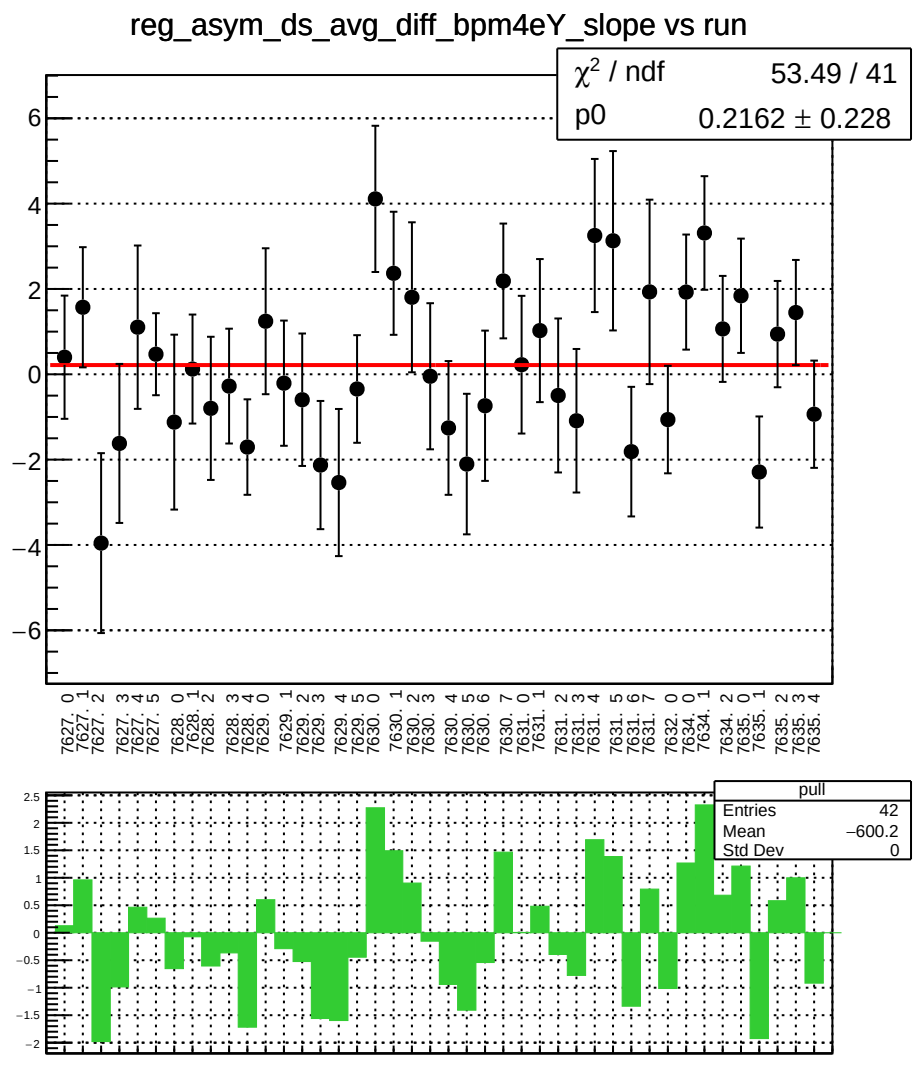

pull1D
Entries 42
Mean −0.0454
Std Dev 1.238

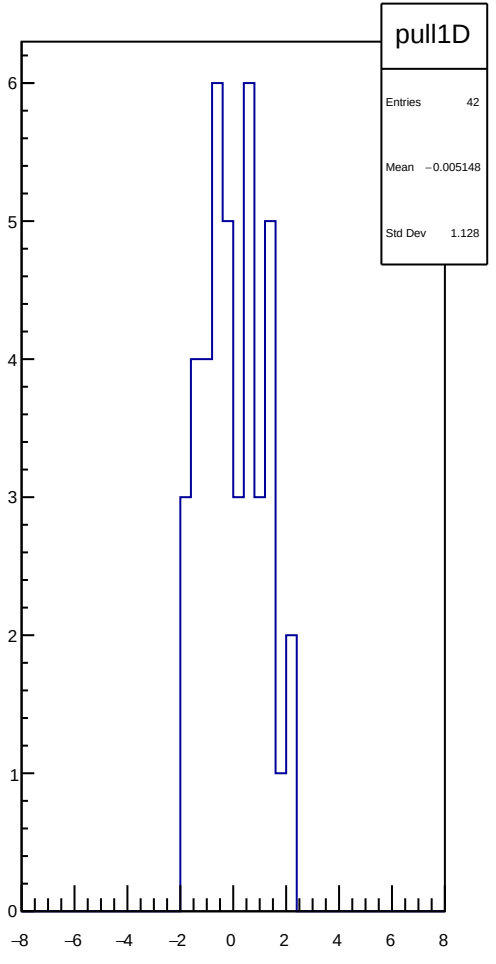

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.45 / 41
p0 −0.1948 ± 0.1553
pull
Entries 42
Mean −319.1
Std Dev 0

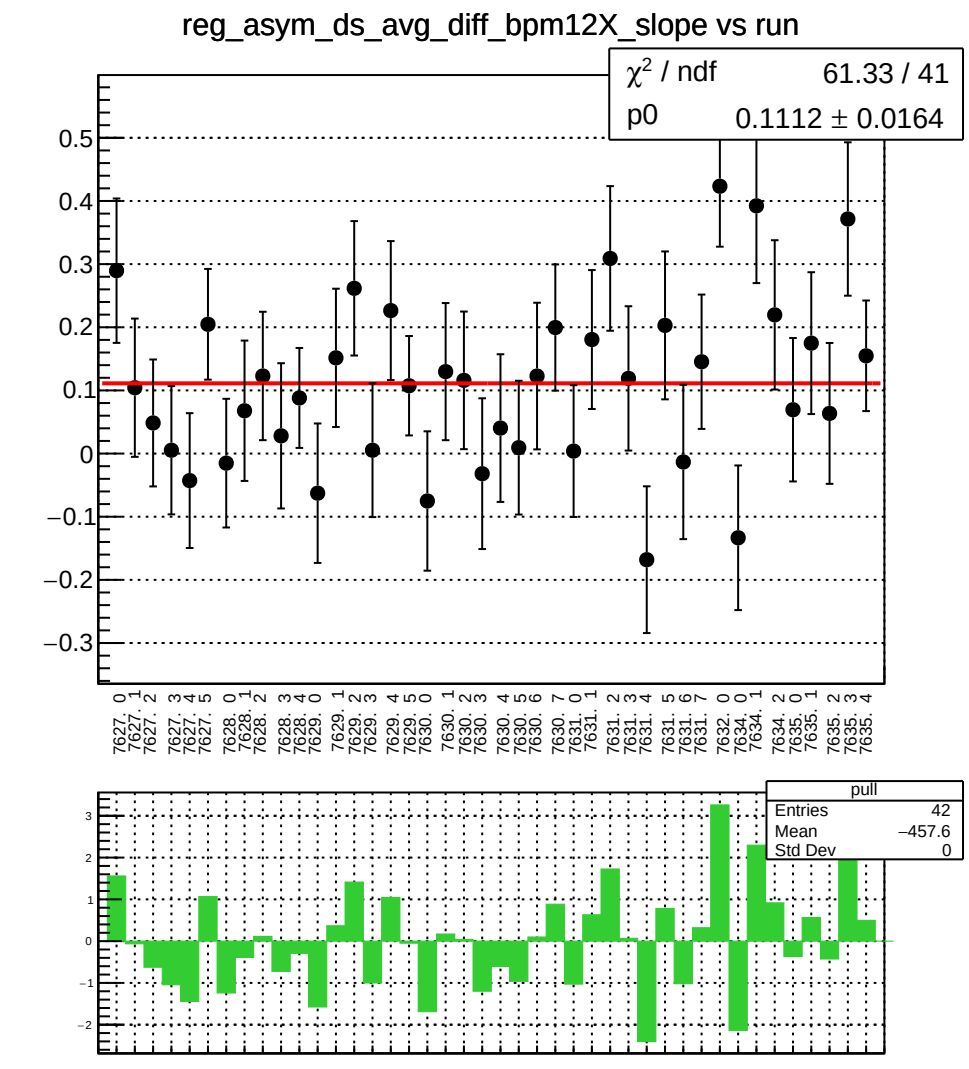

pull1D
Entries 42
Mean 0.009616
Std Dev 1.117

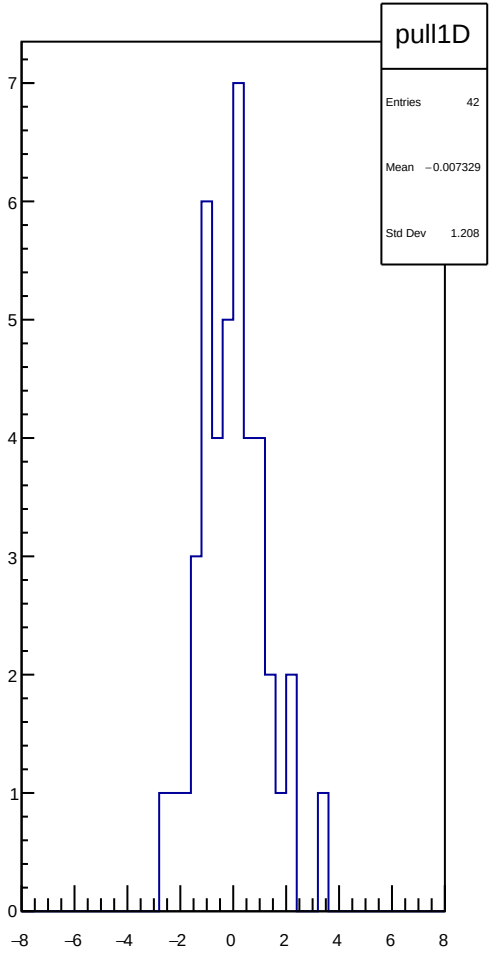

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.18 / 41
p0 −0.8927 ± 0.1009
pull
Entries 42
Mean −2.19
Std Dev 0


pull1D
Entries 42
Mean 0.04667
Std Dev 1.186

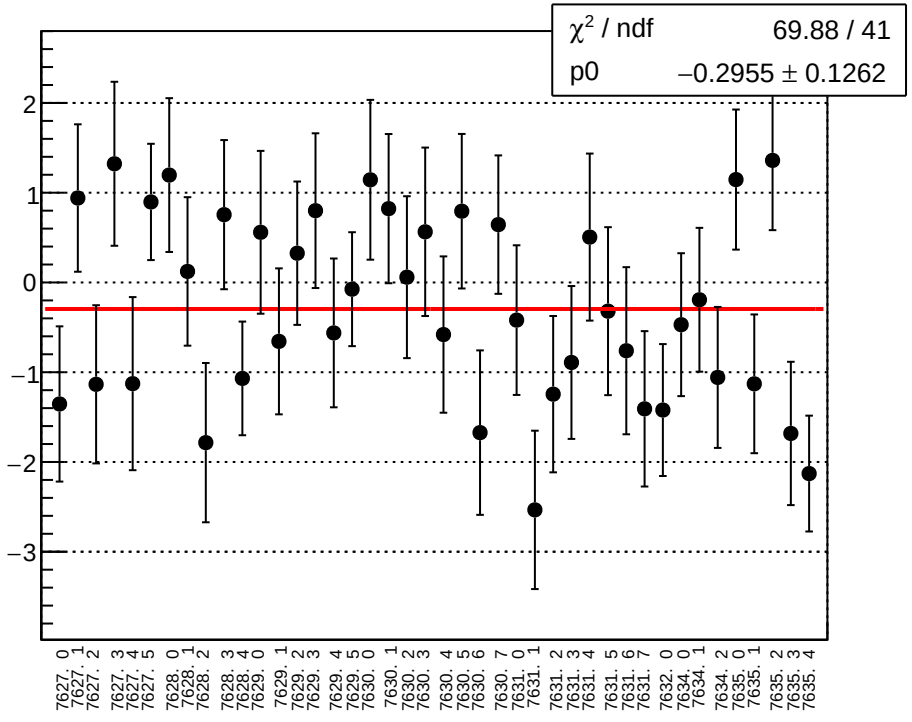

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.49 / 41
p0 0.2162 ± 0.228
pull
Entries 42
Mean −600.2
Std Dev 0

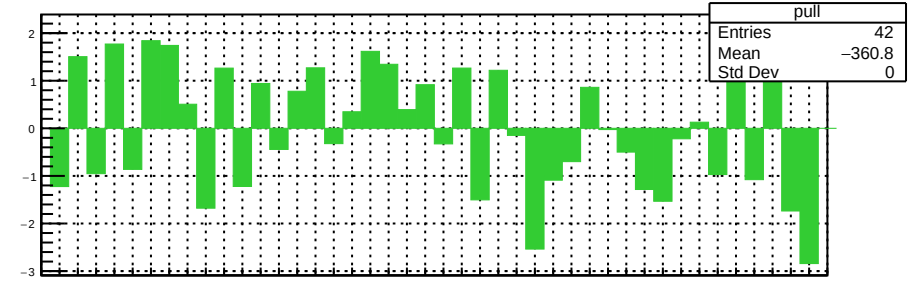

pull1D
Entries 42
Mean −0.005148
Std Dev 1.128

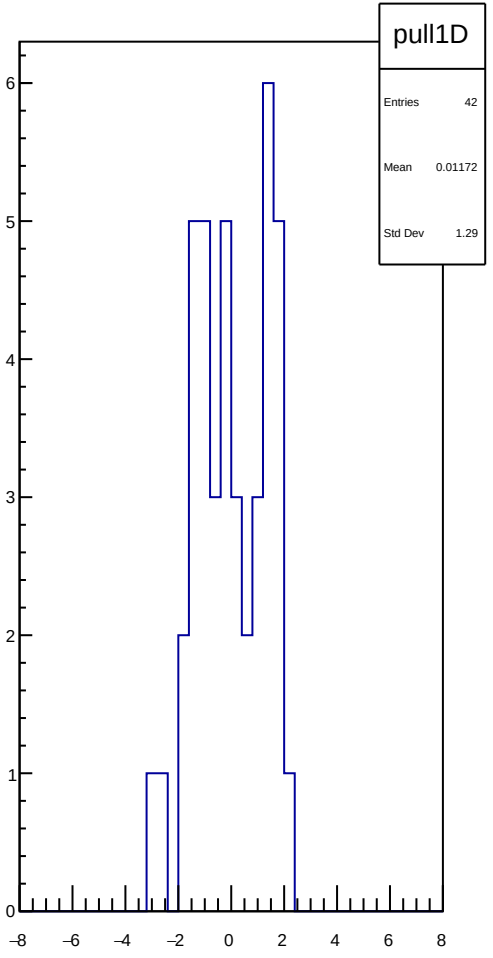

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 61.33 / 41
p0 0.1112 ± 0.0164
pull
Entries 42
Mean −457.6
Std Dev 0

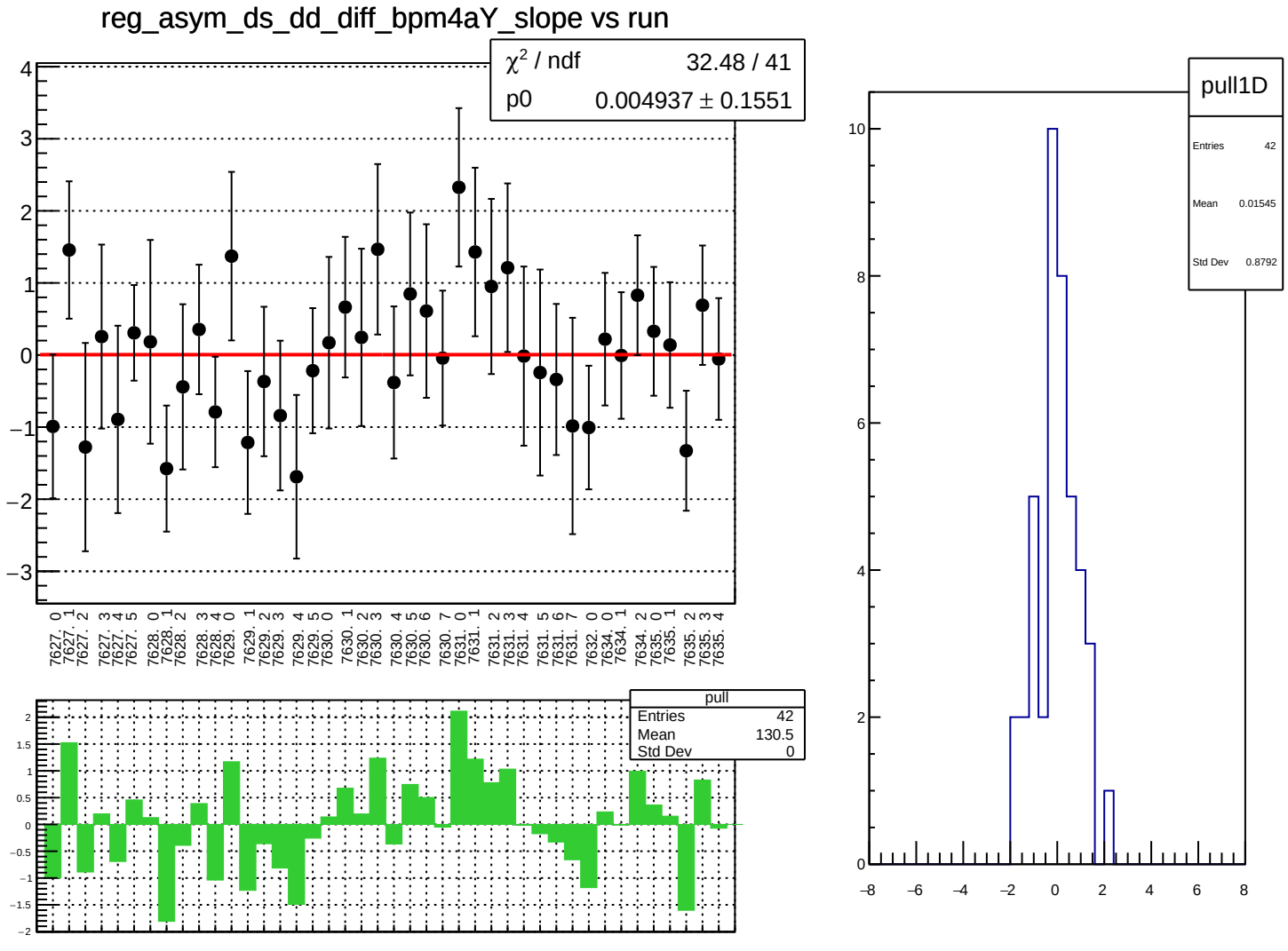

pull1D
Entries 42
Mean −0.007329
Std Dev 1.208

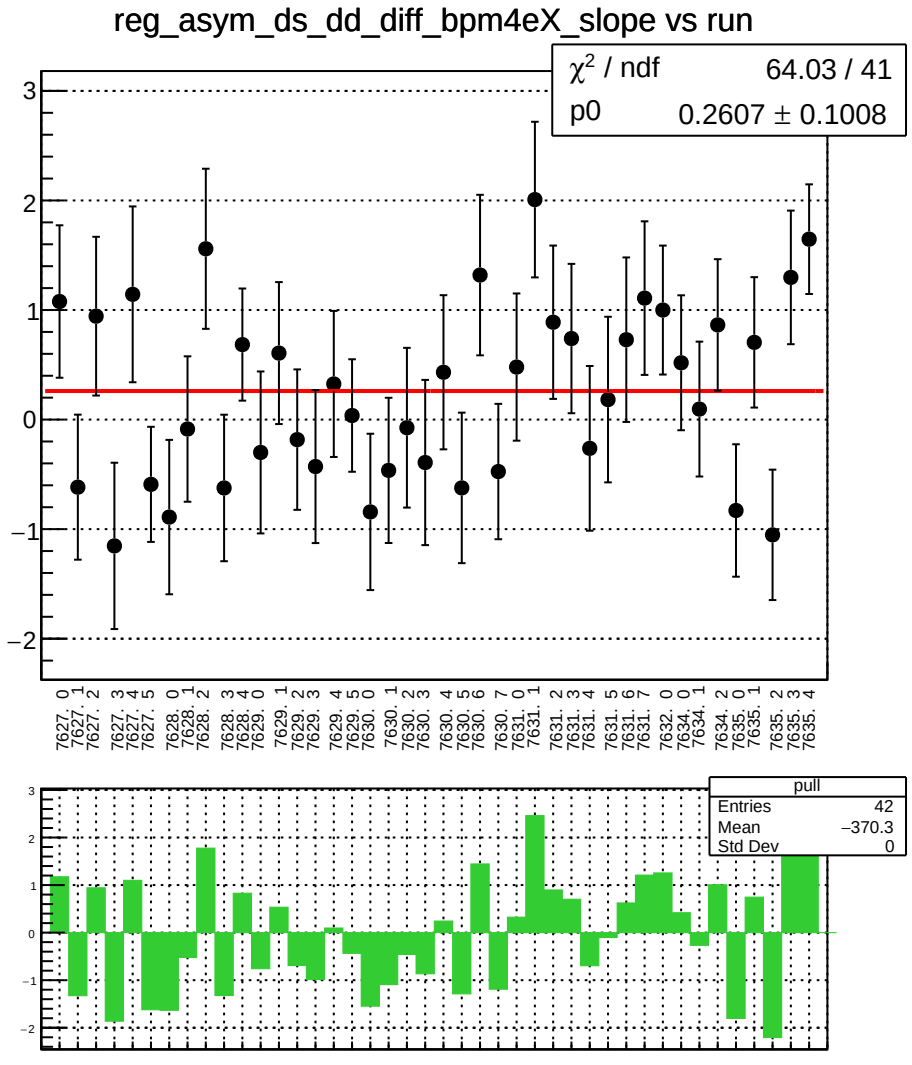
reg_asym_ds_dd_diff_bpm1X_slope vs run

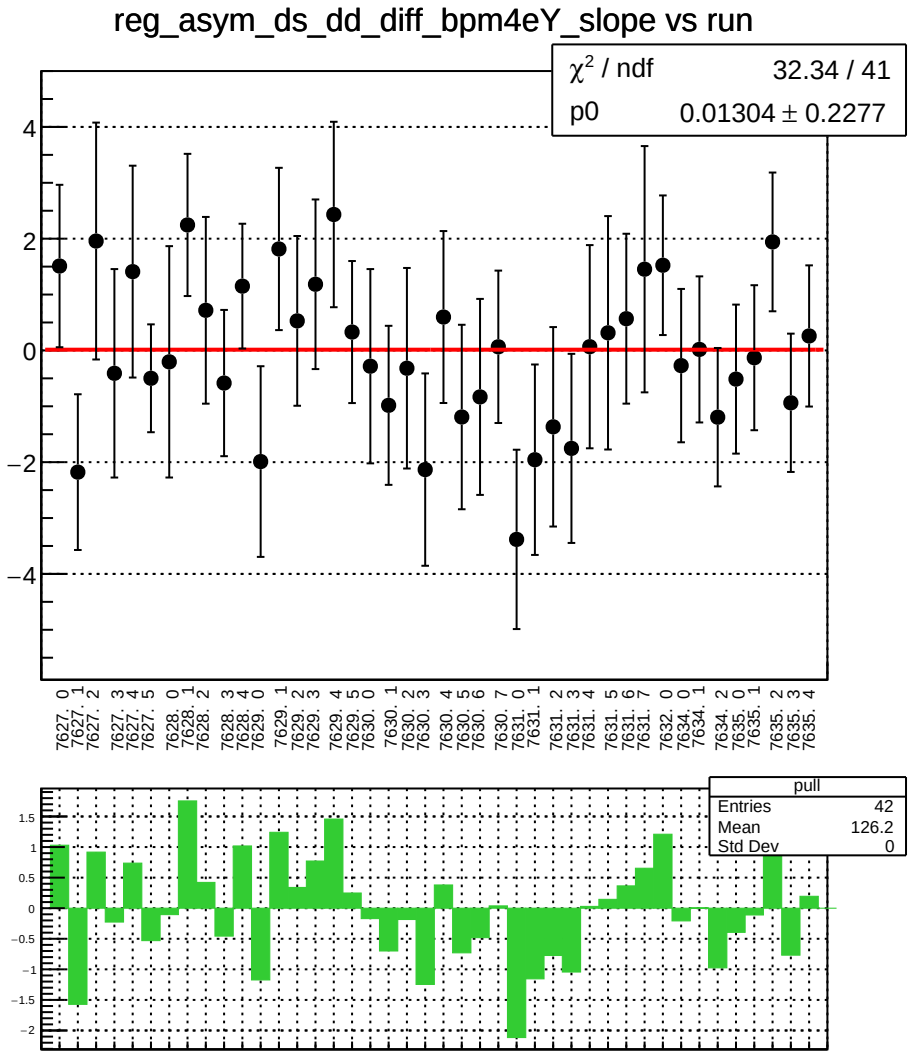


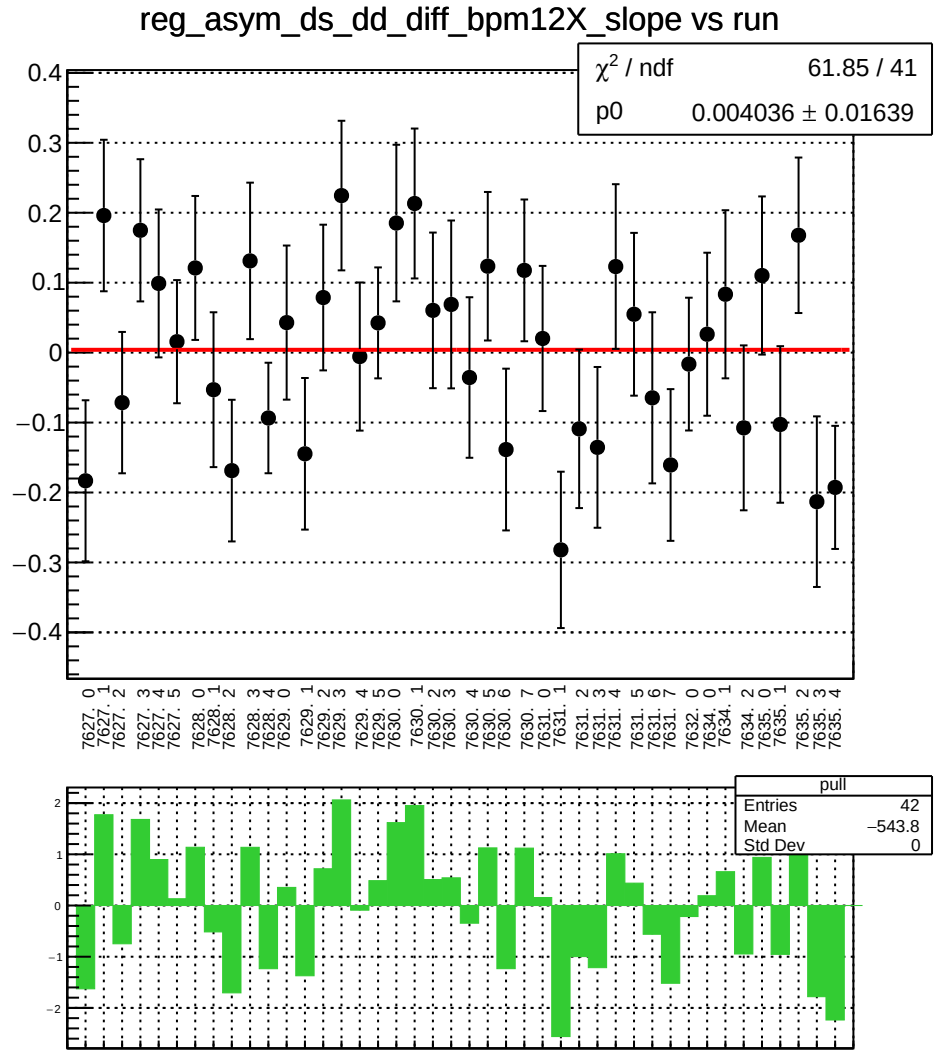


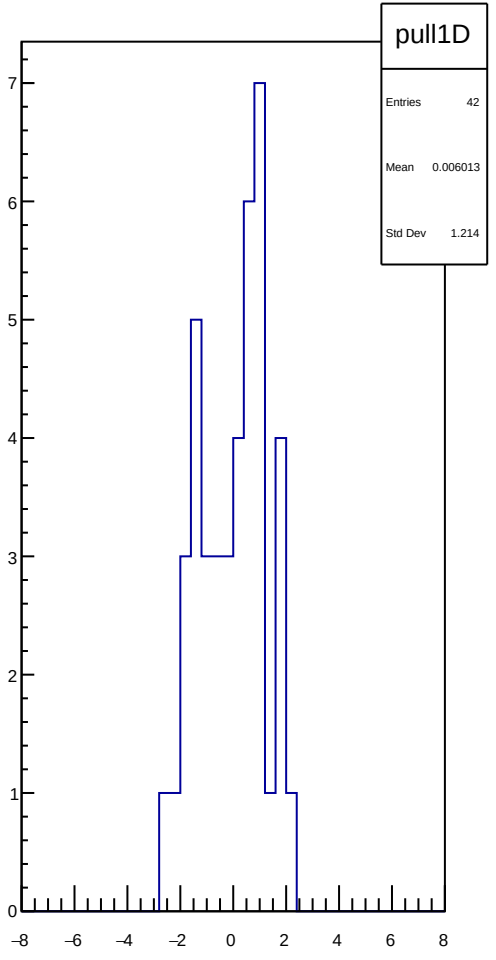


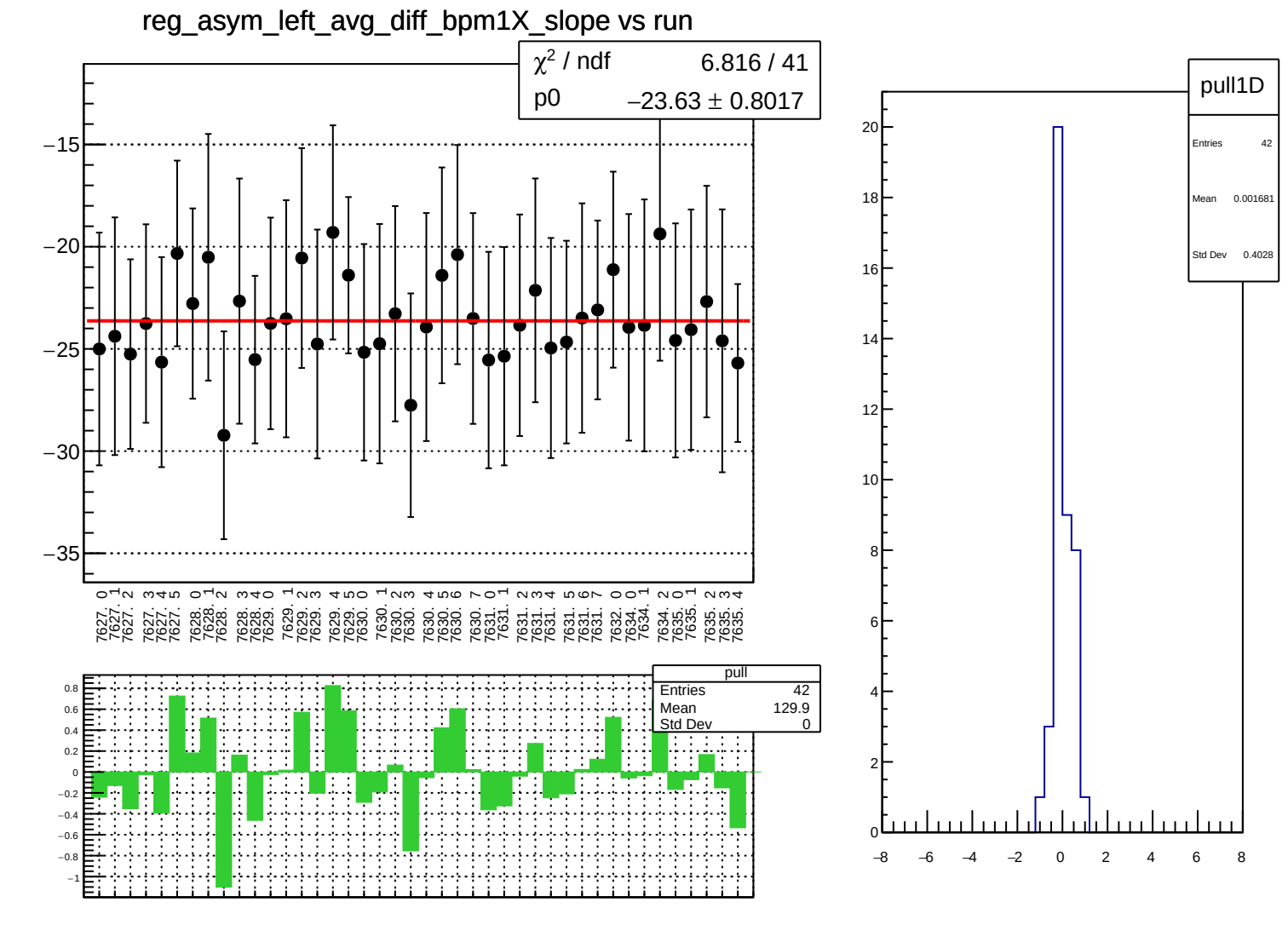

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.48 / 41
p0 0.004937 ± 0.1551
pull
Entries 42
Mean 130.5
Std Dev 0
pull1D
Entries 42
Mean 0.01545
Std Dev 0.8792

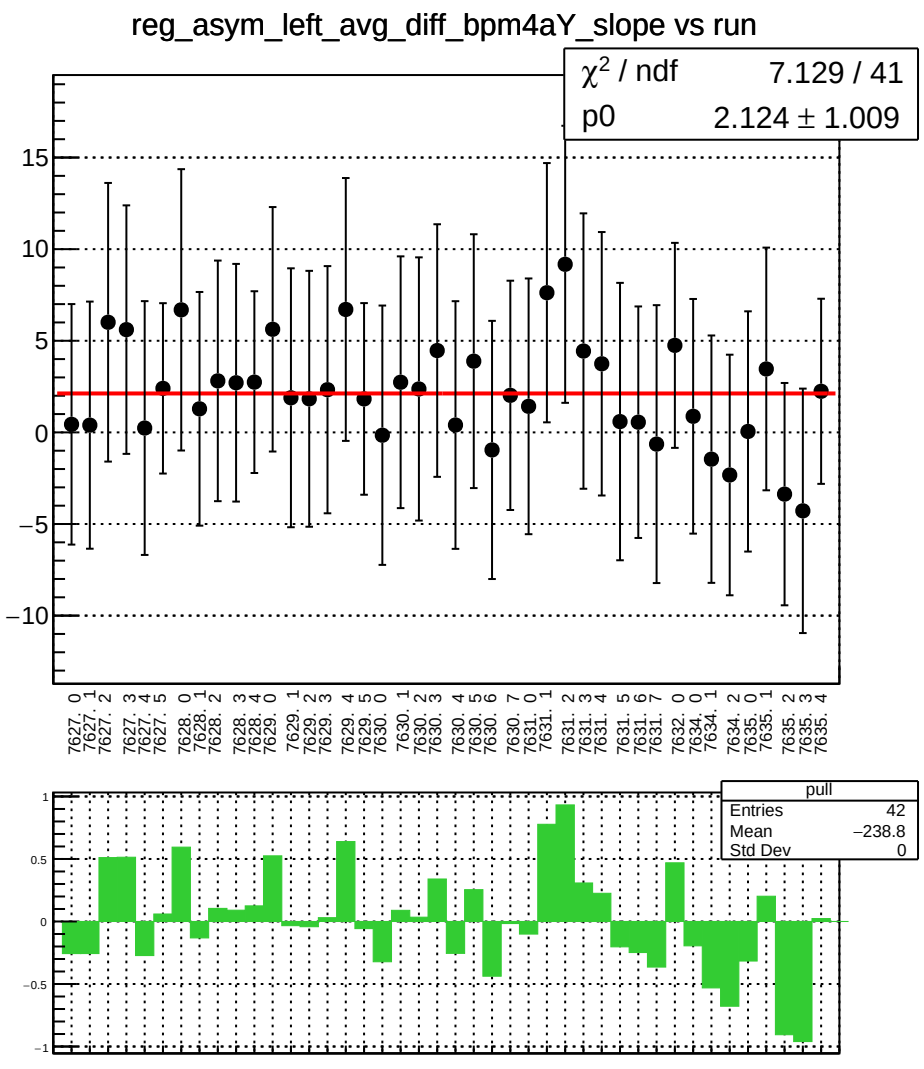

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.03 / 41
p0 0.2607 ± 0.1008
pull
Entries 42
Mean −370.3
Std Dev 0
pull1D
Entries 42
Mean −0.01014
Std Dev 1.235

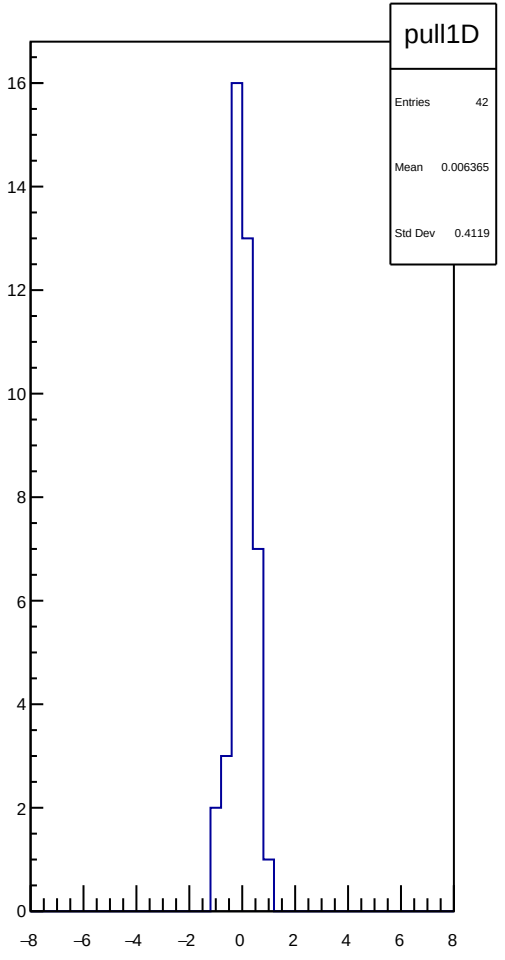

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.34 / 41
p0 0.01304 ± 0.2277
pull
Entries 42
Mean 126.2
Std Dev 0
pull1D
Entries 42
Mean −0.01456
Std Dev 0.8774

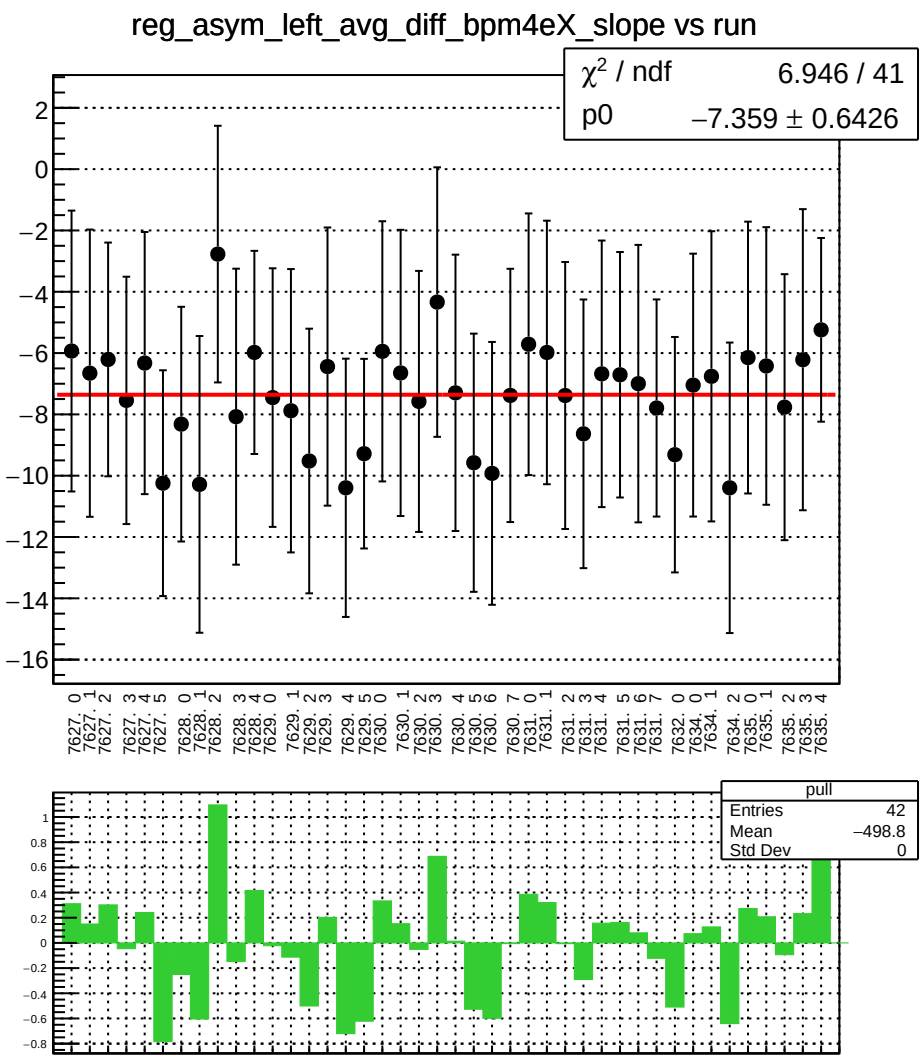

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 61.85 / 41
p0 0.004036 ± 0.01639
pull
Entries 42
Mean −543.8
Std Dev 0

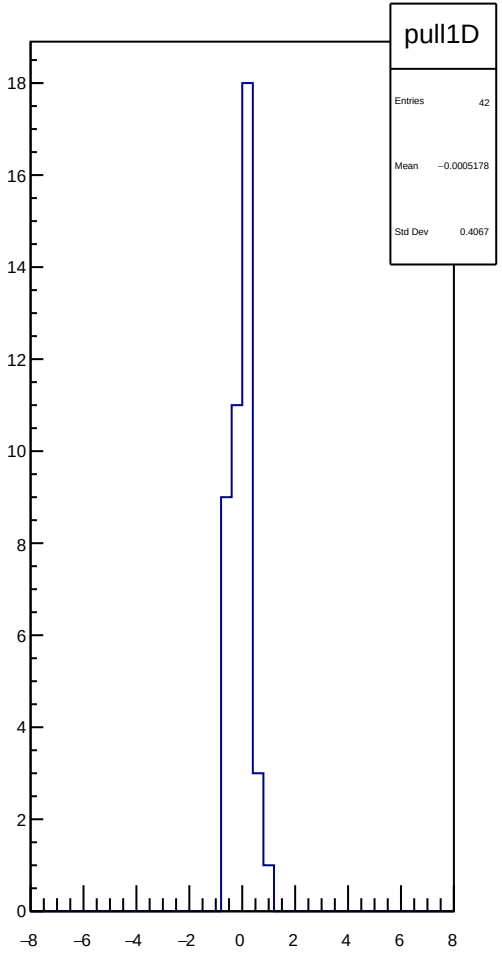

pull1D
Entries 42
Mean 0.006013
Std Dev 1.214

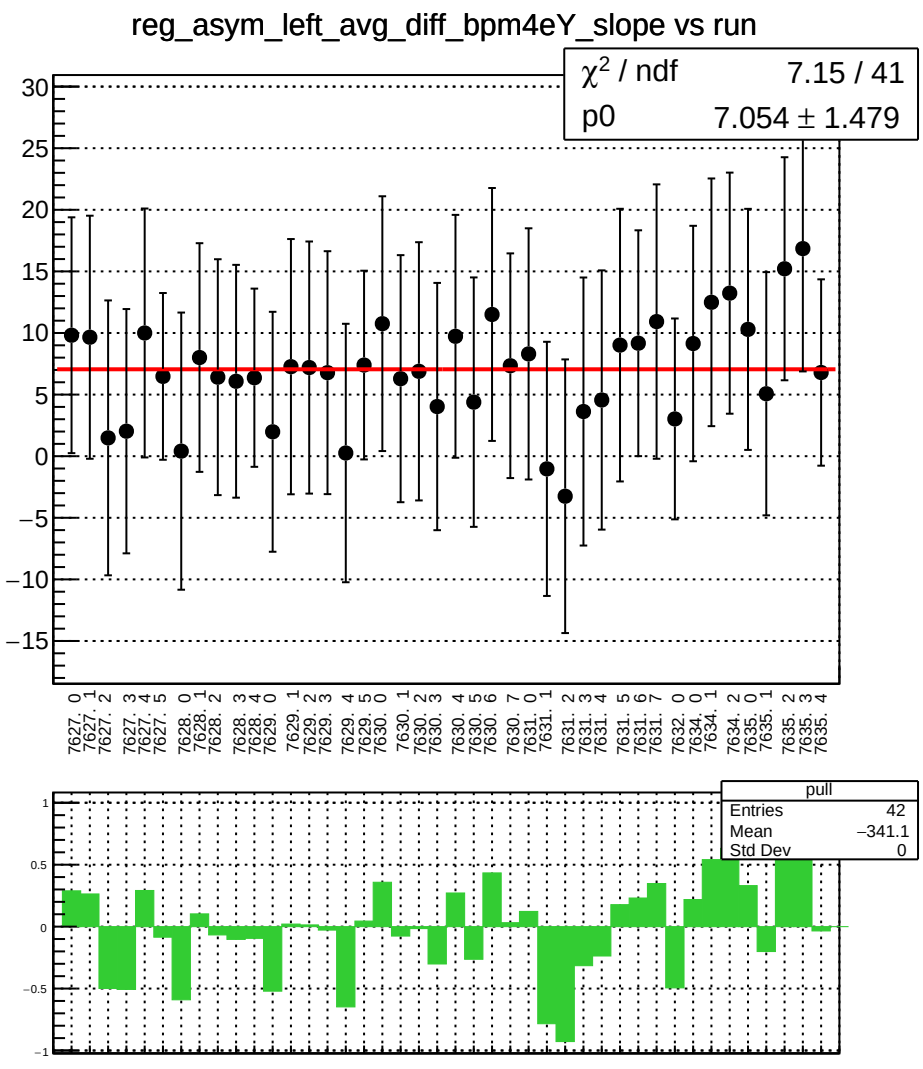

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 6.816 / 41
p0 −23.63 ± 0.8017
pull
Entries 42
Mean 129.9
Std Dev 0
pull1D
Entries 42
Mean 0.001681
Std Dev 0.4028

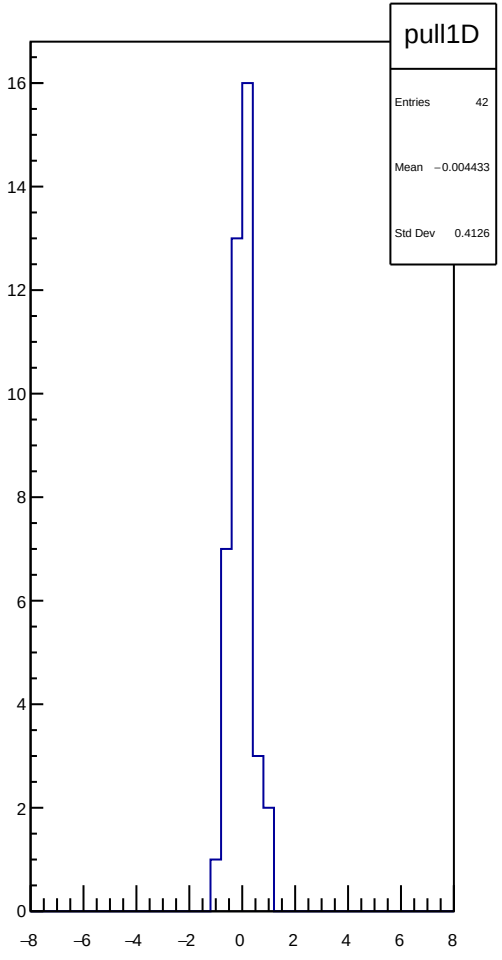

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.129 / 41
p0 2.124 ± 1.009
15
10
5
0
−5
−10
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −238.8
Std Dev 0
1
0.5
0
−0.5
−1

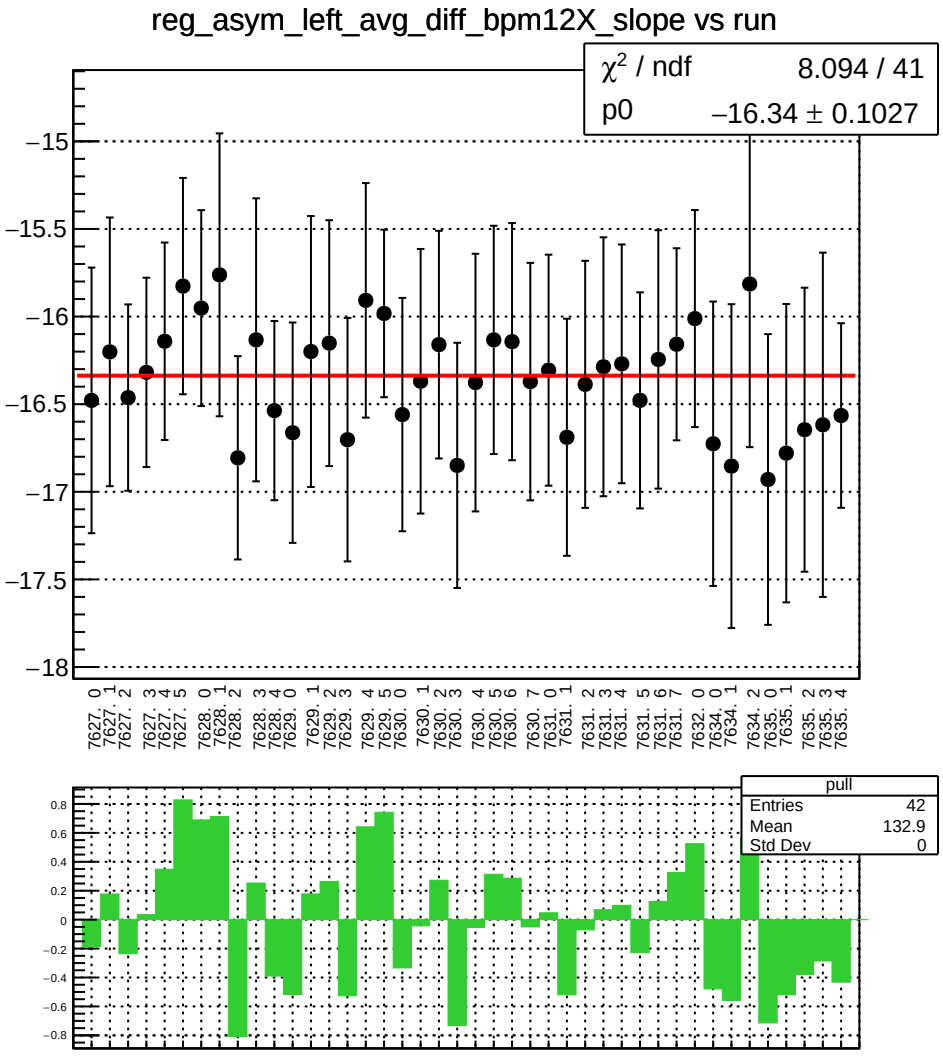

pull1D
Entries 42
Mean 0.006365
Std Dev 0.4119
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

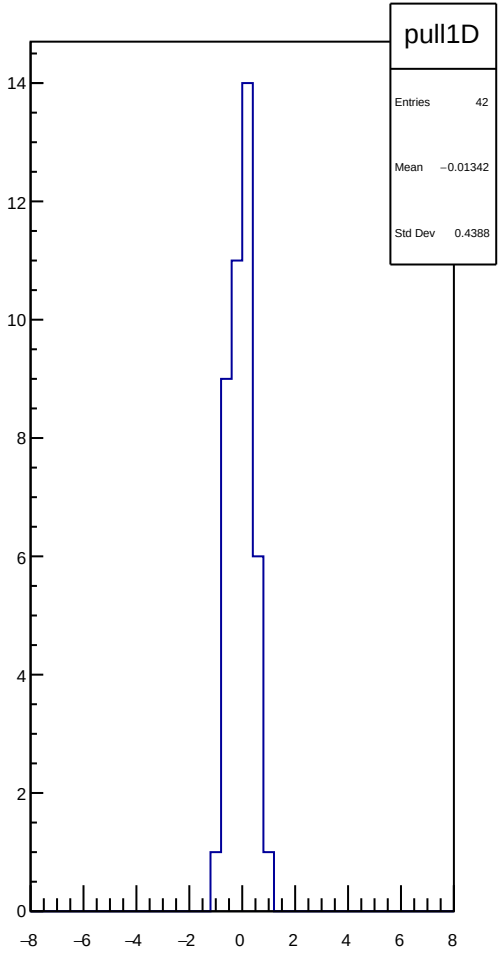

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.946 / 41
p0 −7.359 ± 0.6426
pull
Entries 42
Mean −498.8
Std Dev 0

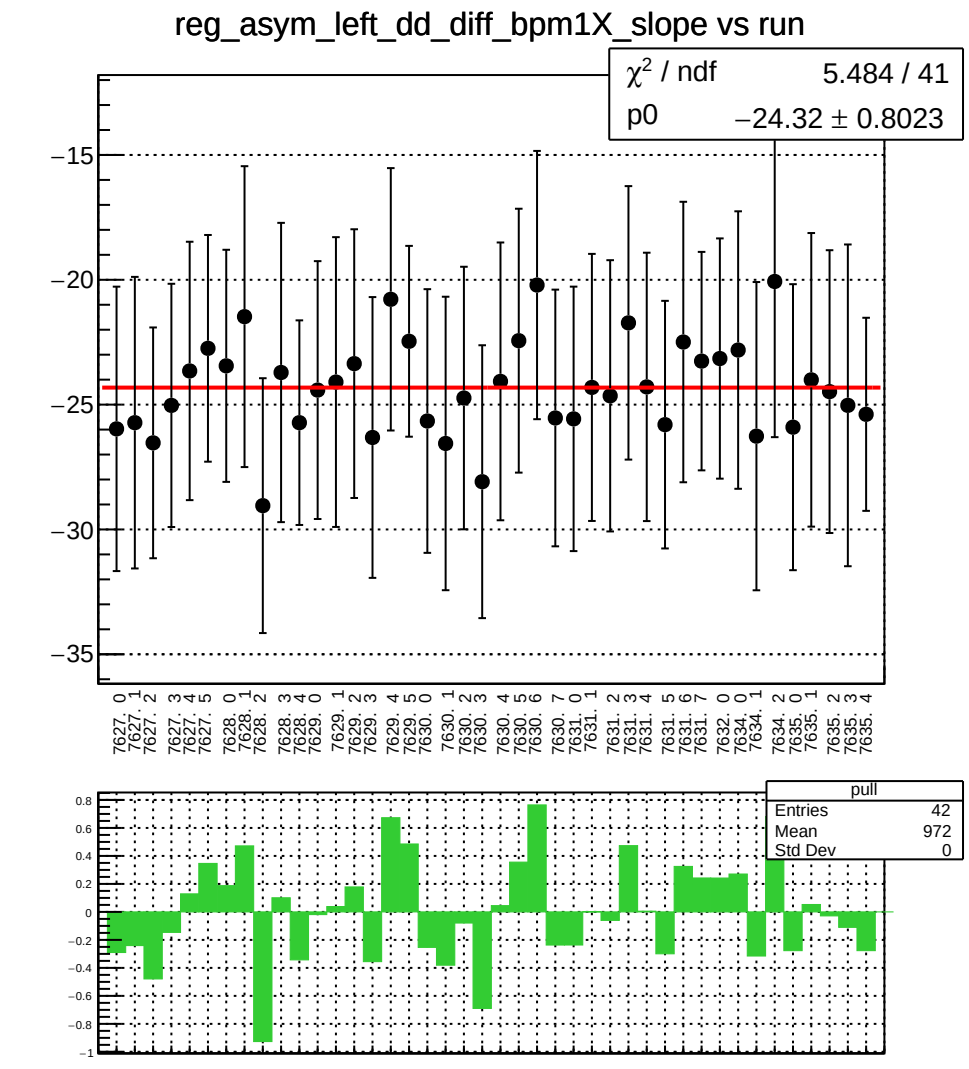

pull1D
Entries 42
Mean −0.0005178
Std Dev 0.4067

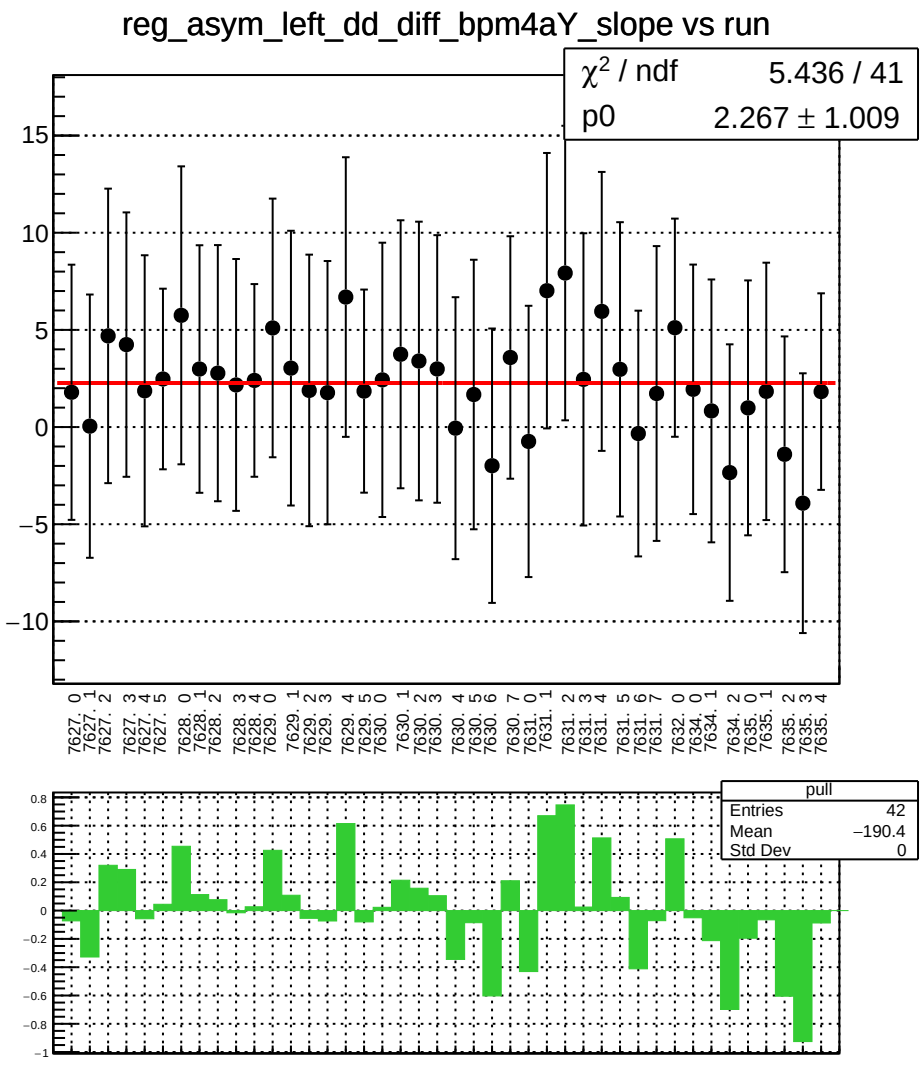

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.15 / 41
p0 7.054 ± 1.479
pull
Entries 42
Mean −341.1
Std Dev 0

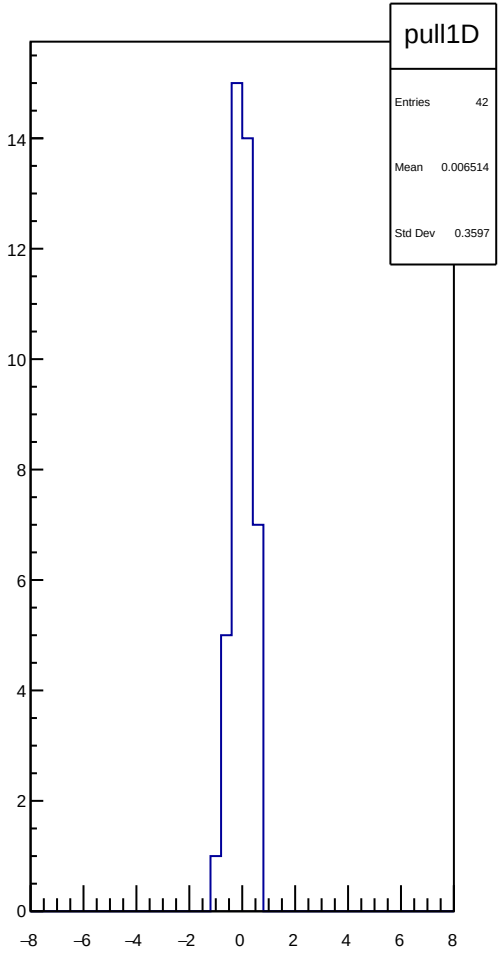

pull1D
Entries 42
Mean −0.004433
Std Dev 0.4126

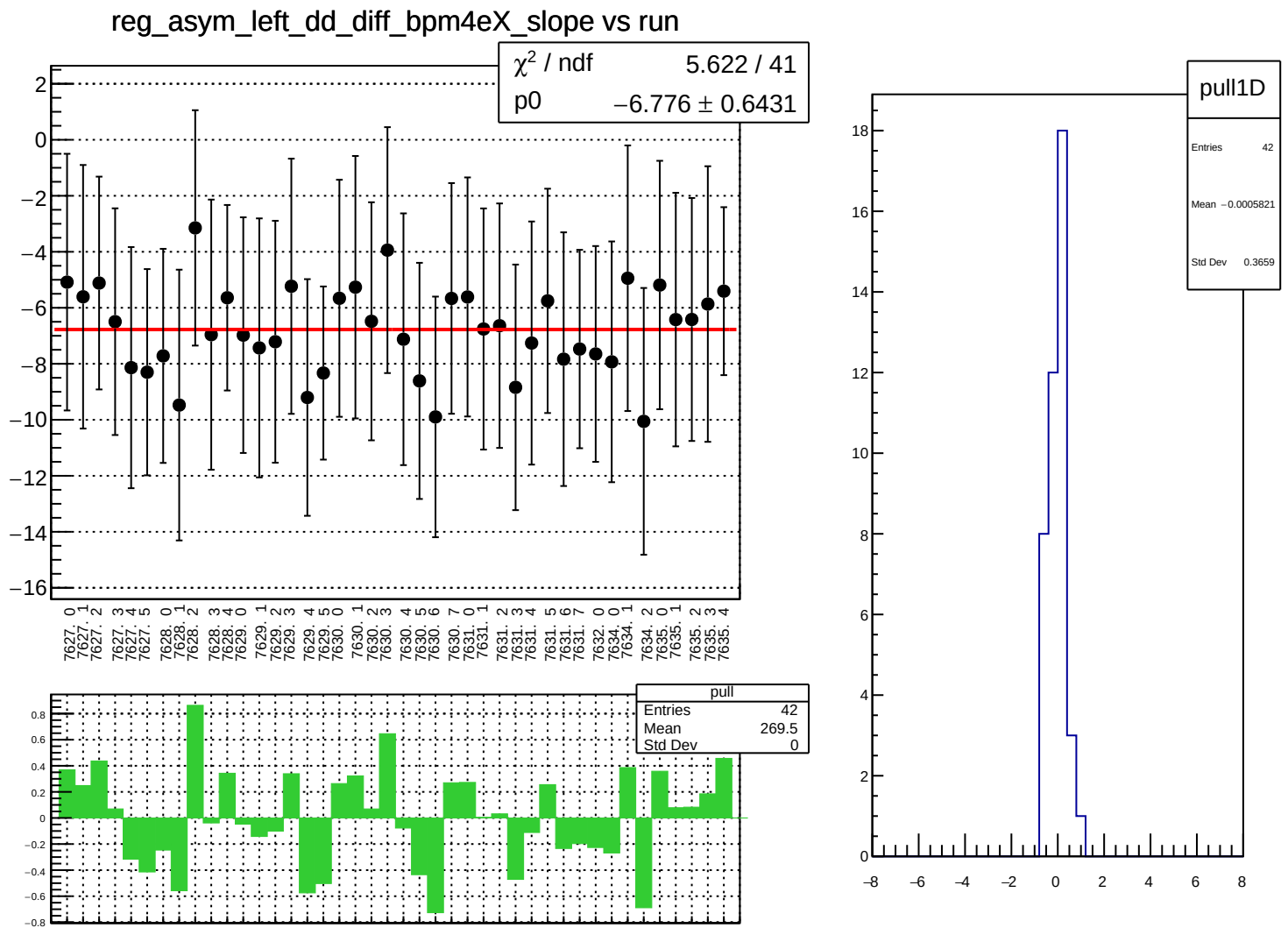

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 8.094 / 41
p0 −16.34 ± 0.1027
pull
Entries 42
Mean 132.9
Std Dev 0

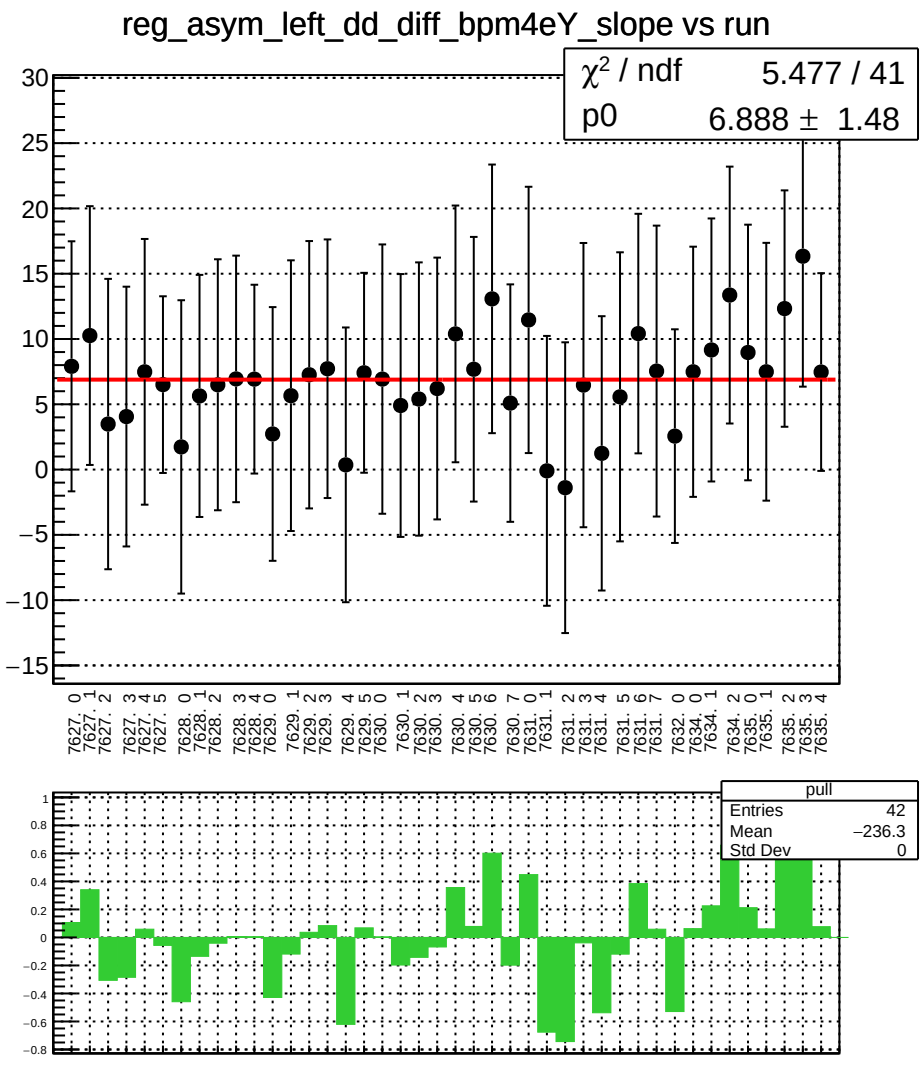

pull1D
Entries 42
Mean −0.01342
Std Dev 0.4388

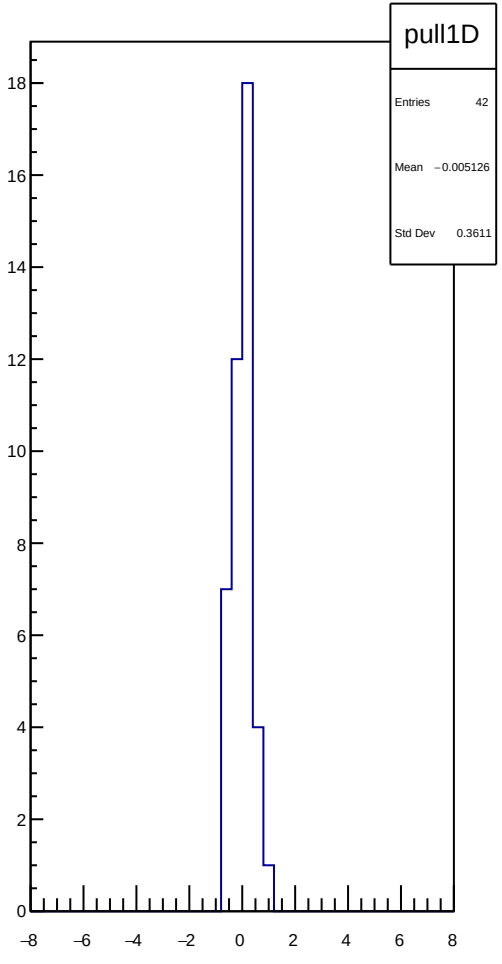

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 5.484 / 41
p0 −24.32 ± 0.8023
−15
−20
−25
−30
−35
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 972
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 42
Mean 0.0006149
Std Dev 0.3613
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

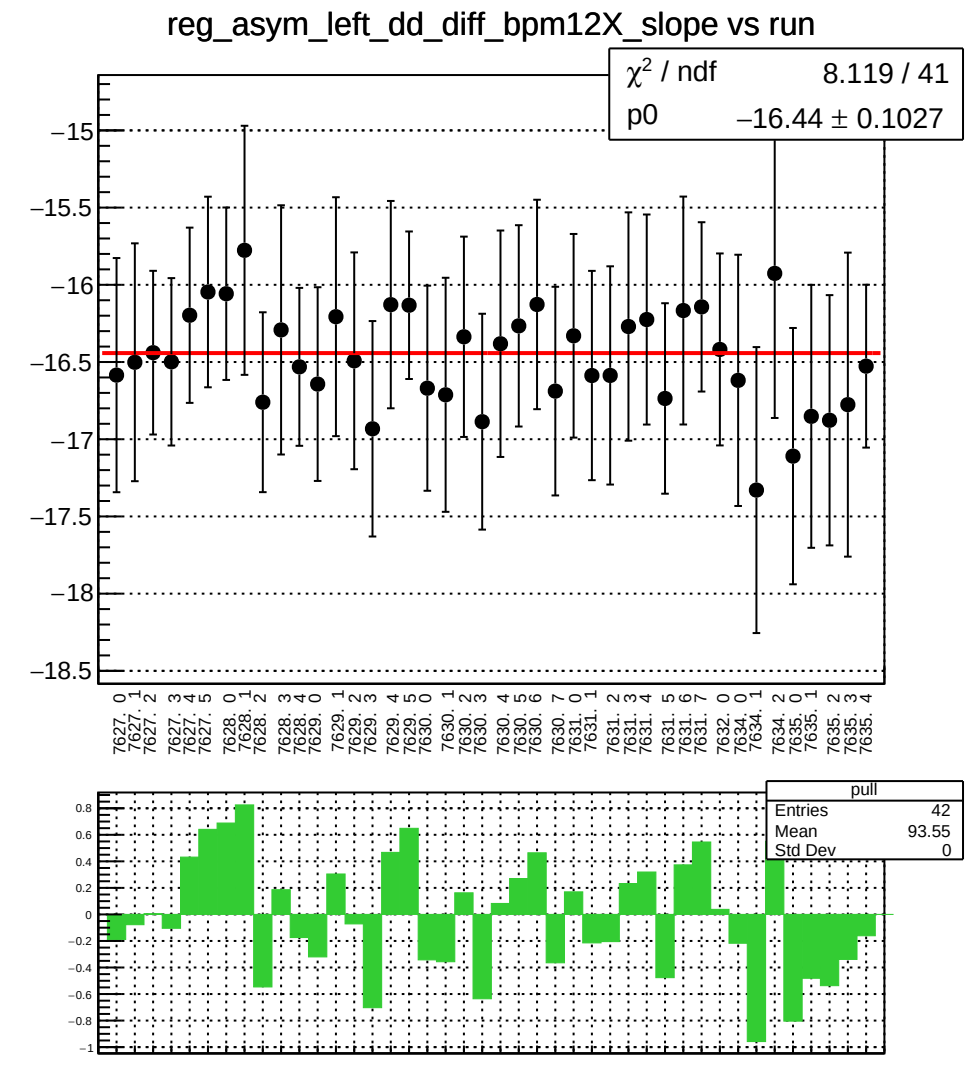

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.436 / 41
p0 2.267 ± 1.009
pull
Entries 42
Mean −190.4
Std Dev 0

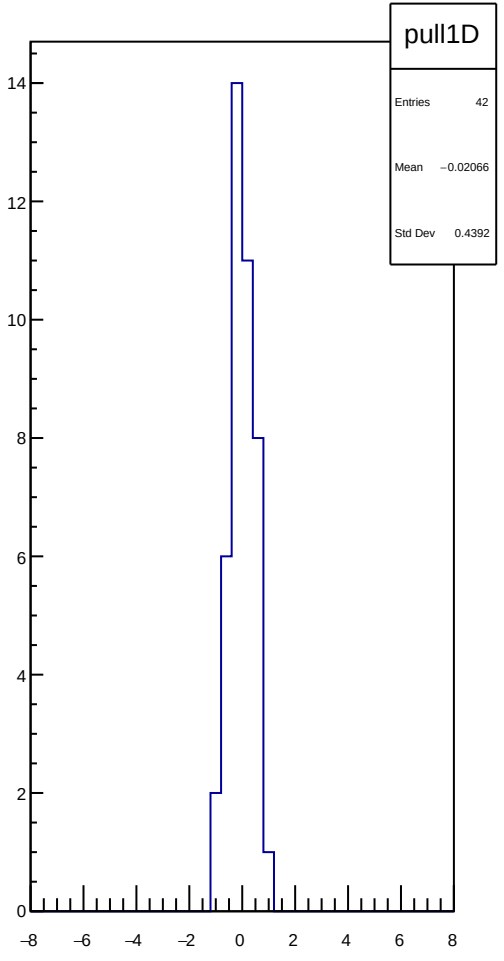

pull1D
Entries 42
Mean 0.006514
Std Dev 0.3597

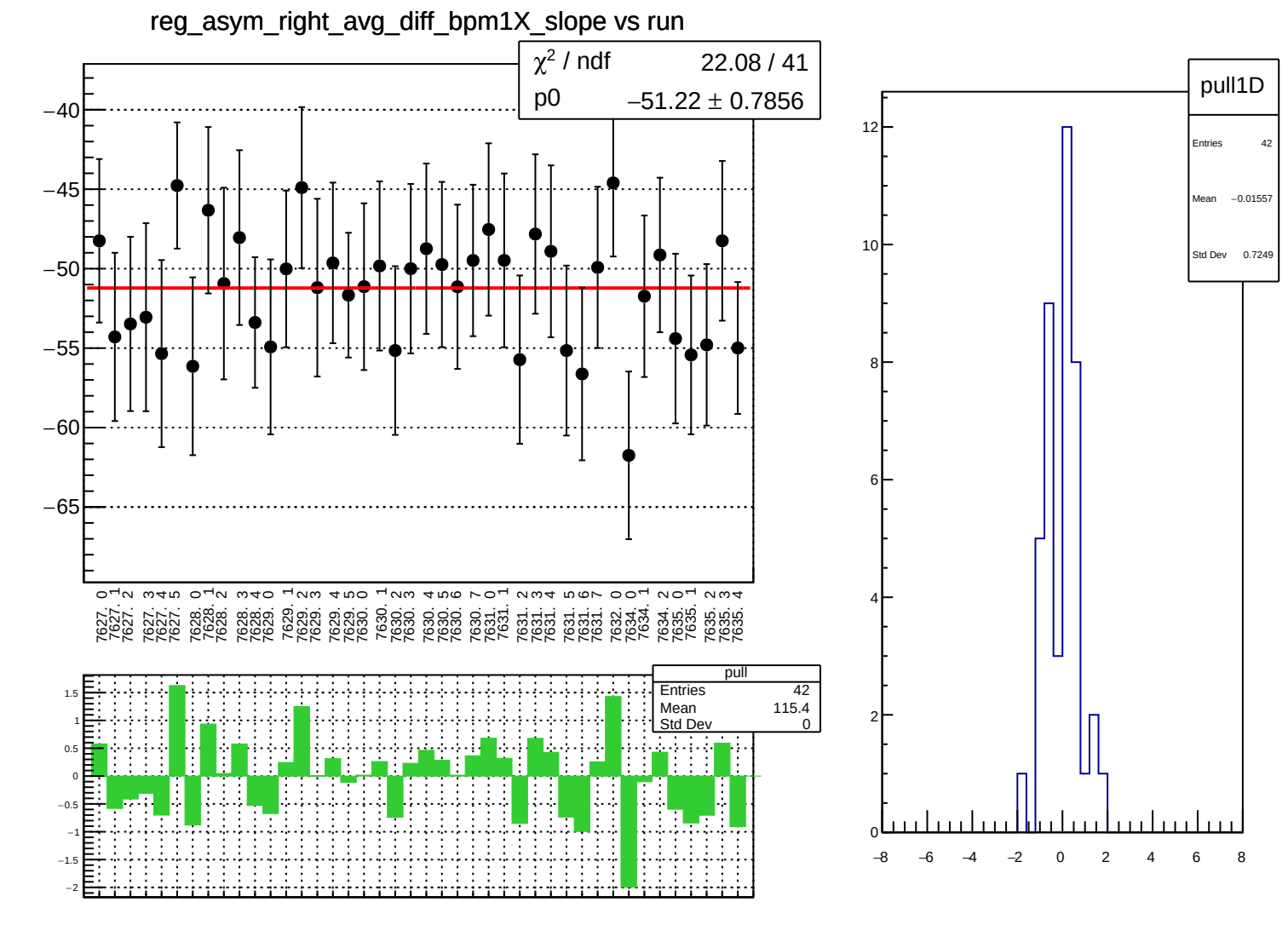

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.622 / 41
p0 −6.776 ± 0.6431
pull
Entries 42
Mean 269.5
Std Dev 0
pull1D
Entries 42
Mean −0.0005821
Std Dev 0.3659

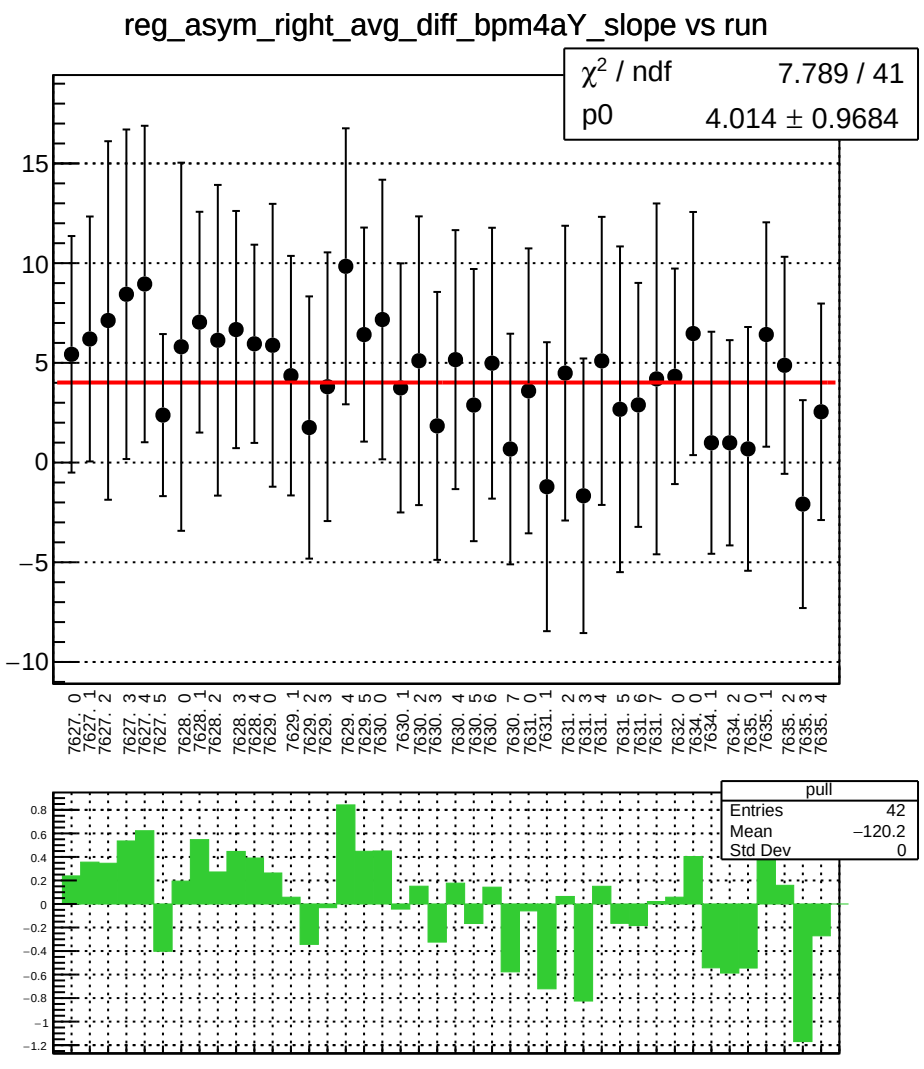

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.477 / 41
p0 6.888 ± 1.48
pull
Entries 42
Mean −236.3
Std Dev 0

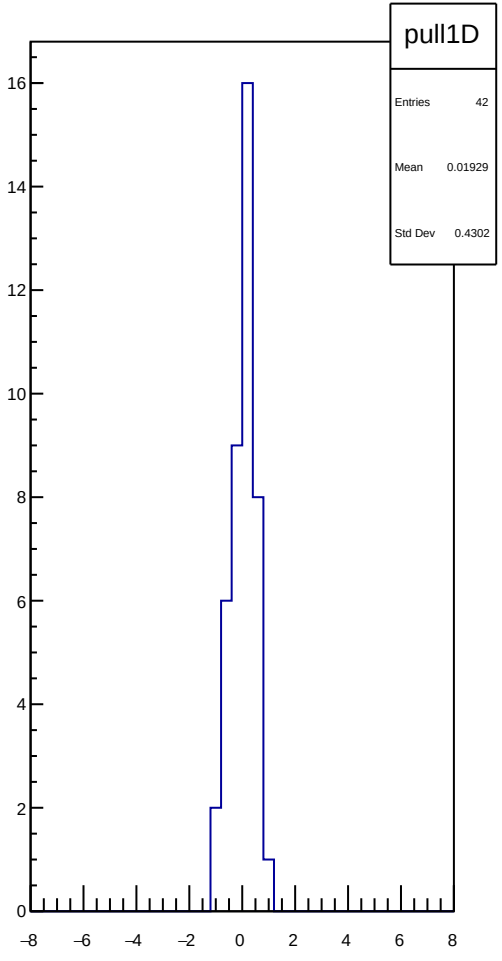

pull1D
Entries 42
Mean −0.005126
Std Dev 0.3611

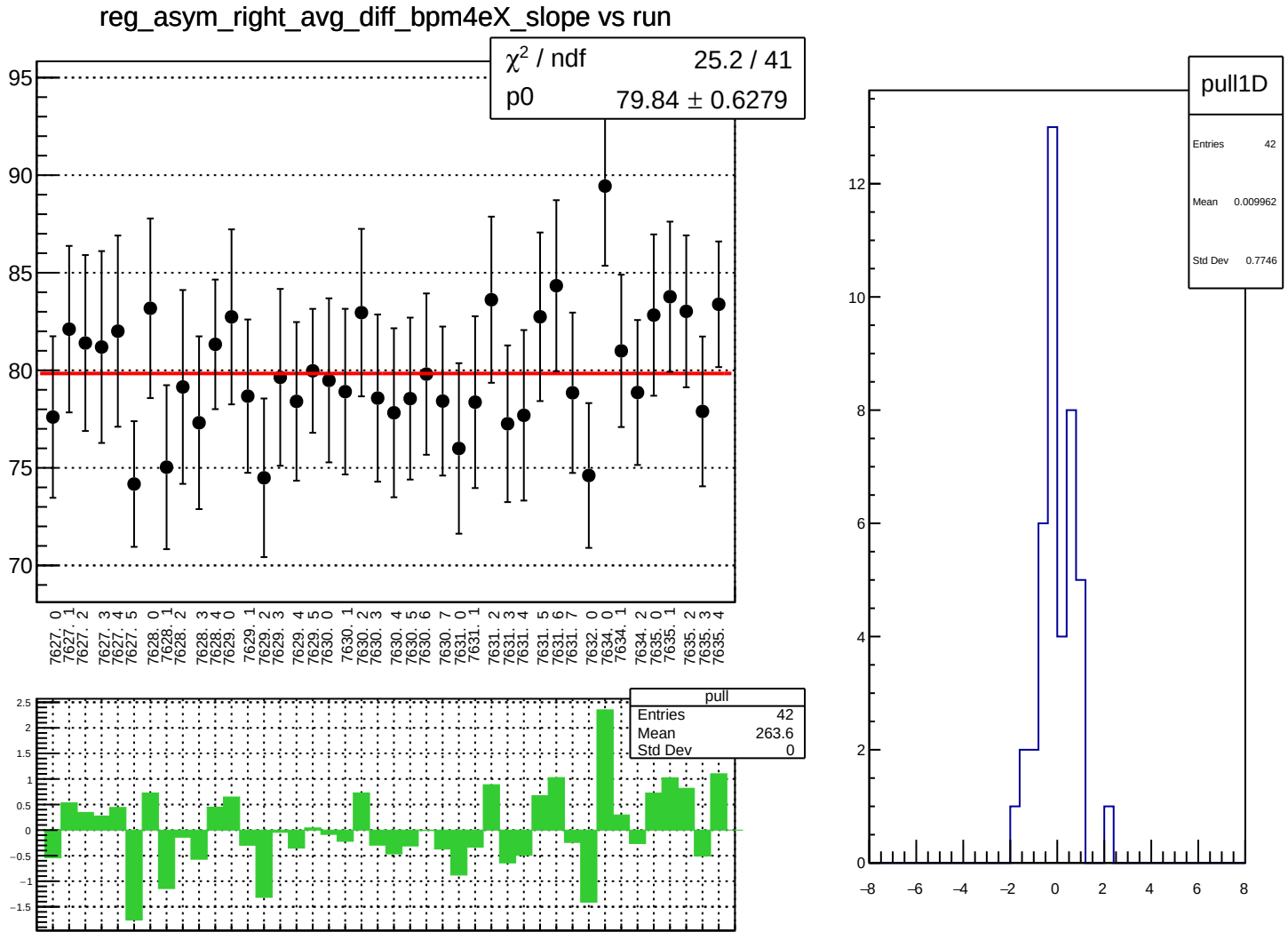

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 8.119 / 41
p0 −16.44 ± 0.1027
pull
Entries 42
Mean 93.55
Std Dev 0

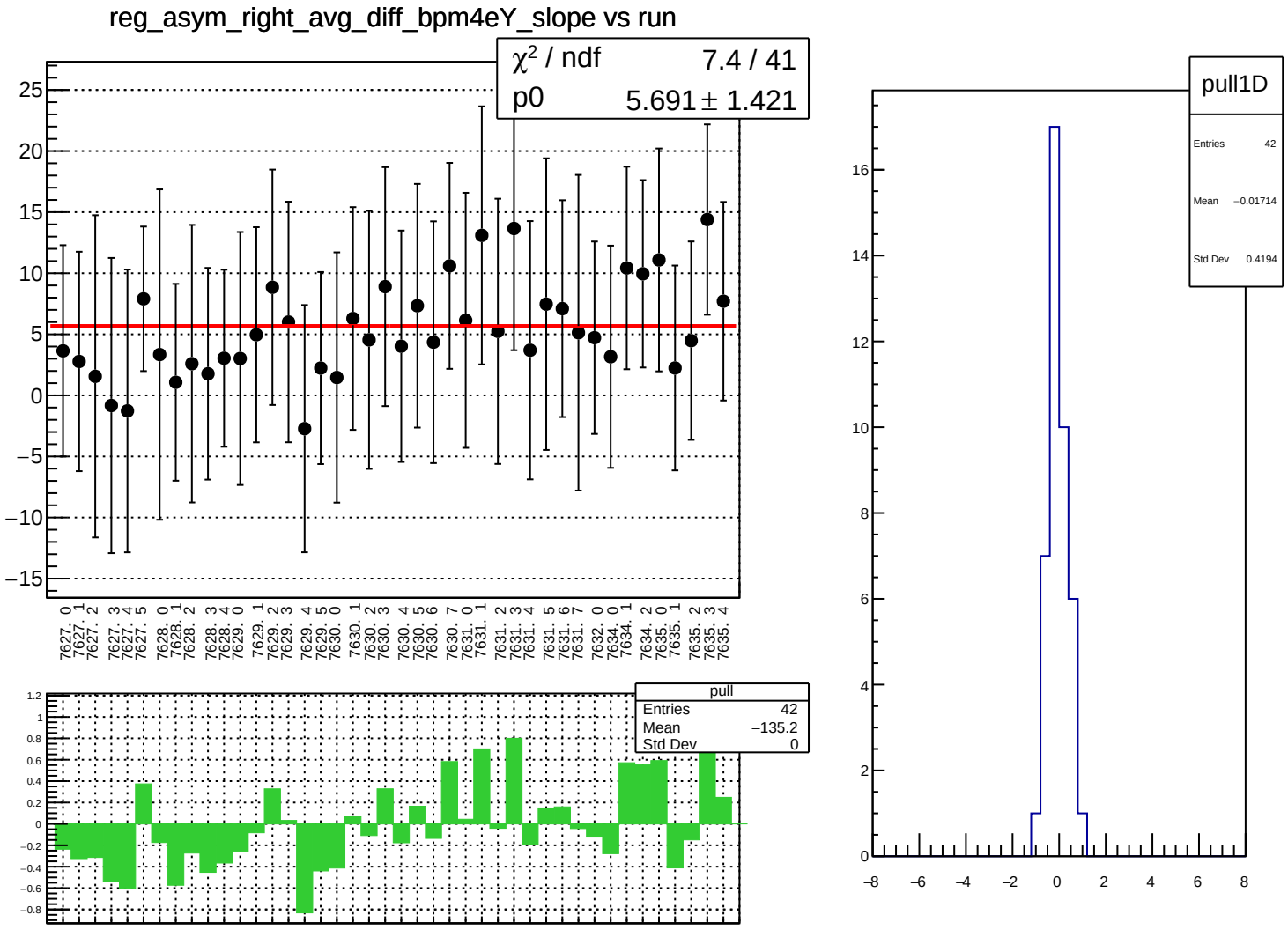

pull1D
Entries 42
Mean −0.02066
Std Dev 0.4392

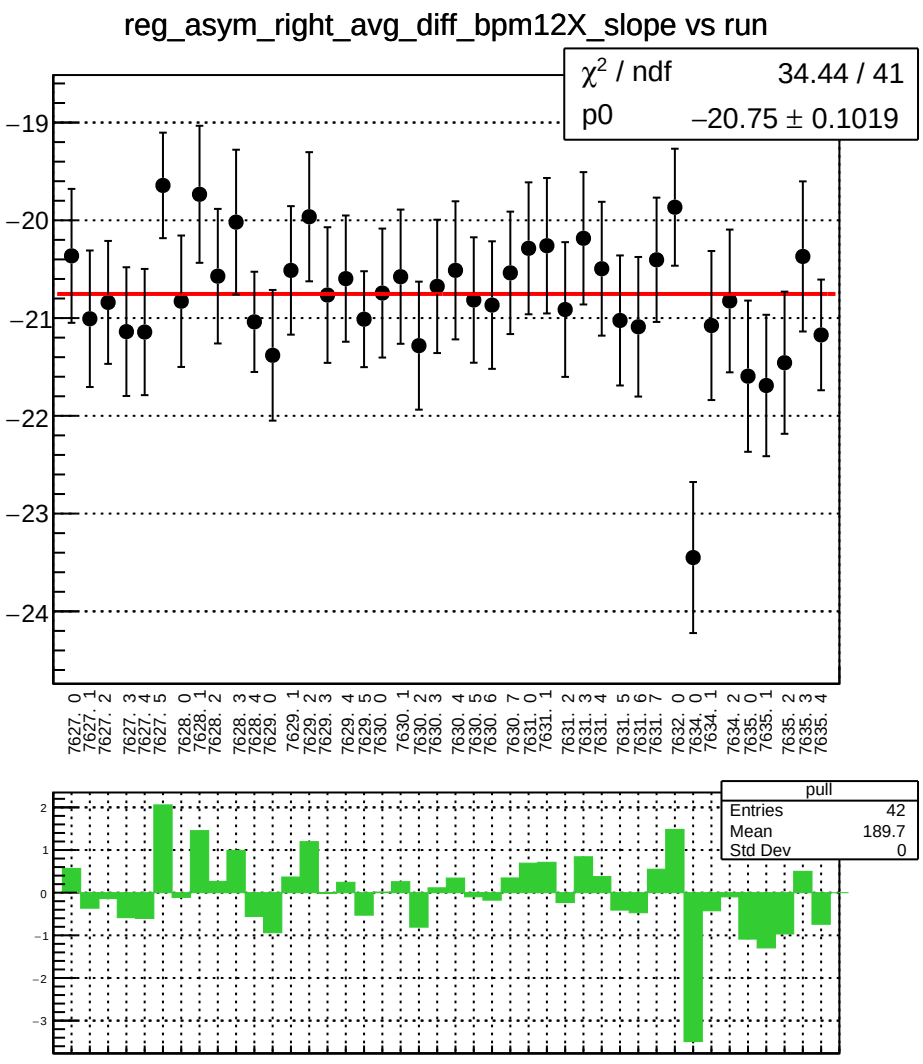

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 22.08 / 41
p0 −51.22 ± 0.7856
pull
Entries 42
Mean 115.4
Std Dev 0
pull1D
Entries 42
Mean −0.01557
Std Dev 0.7249

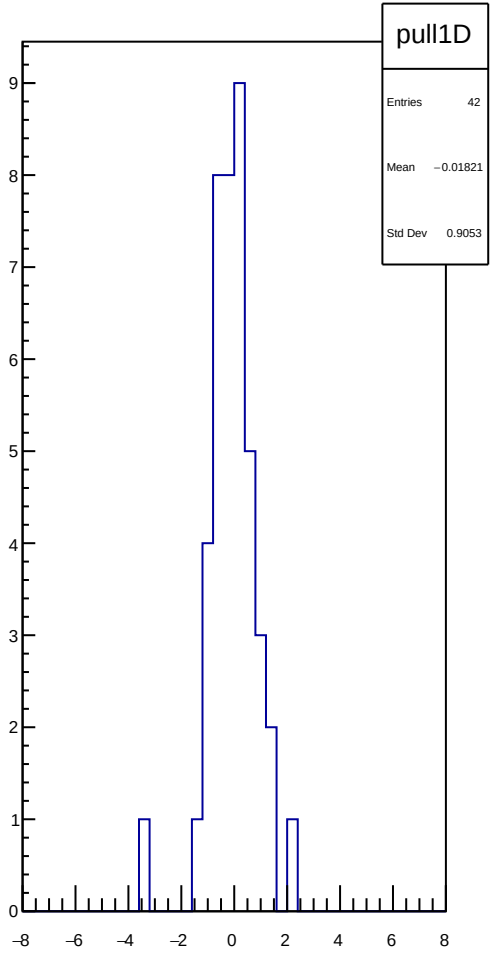

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.789 / 41
p0 4.014 ± 0.9684
pull
Entries 42
Mean −120.2
Std Dev 0

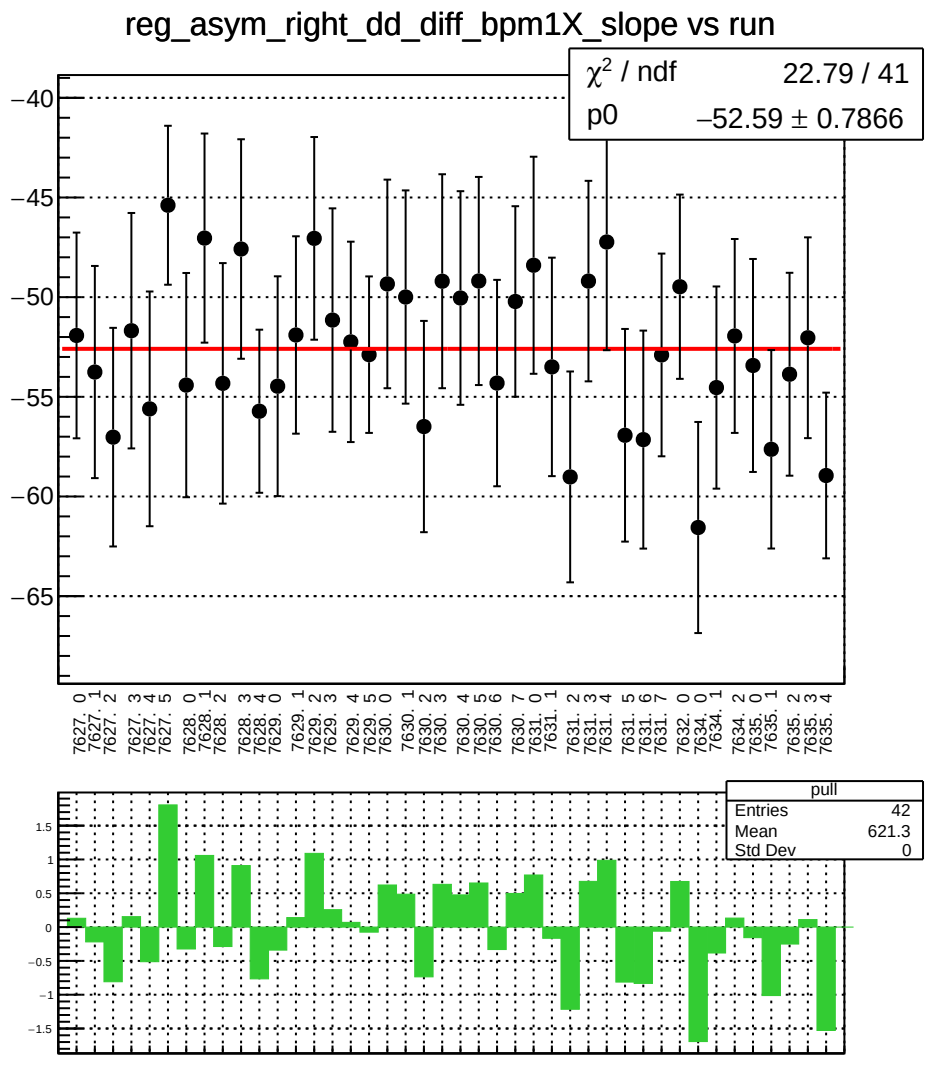

pull1D
Entries 42
Mean 0.01929
Std Dev 0.4302

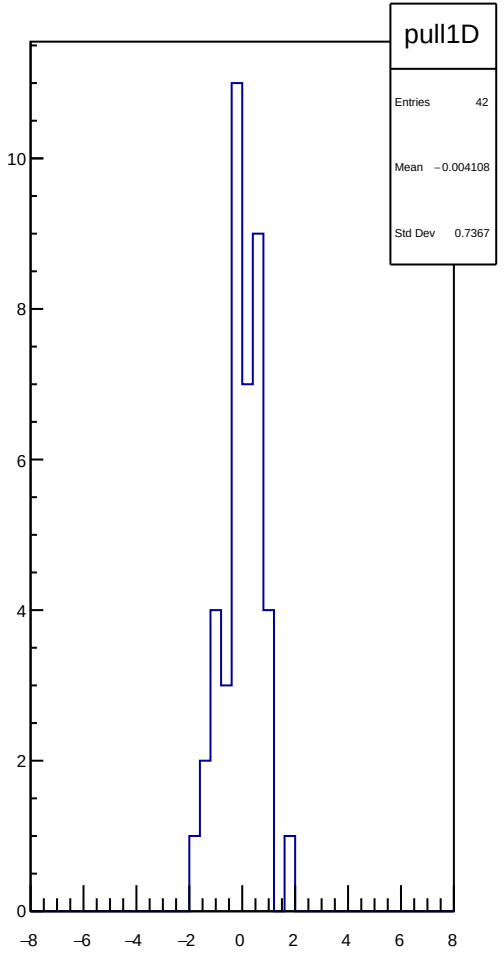

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.2 / 41
p0 79.84 ± 0.6279
95
90
85
80
75
70
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 263.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.009962
Std Dev 0.7746
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

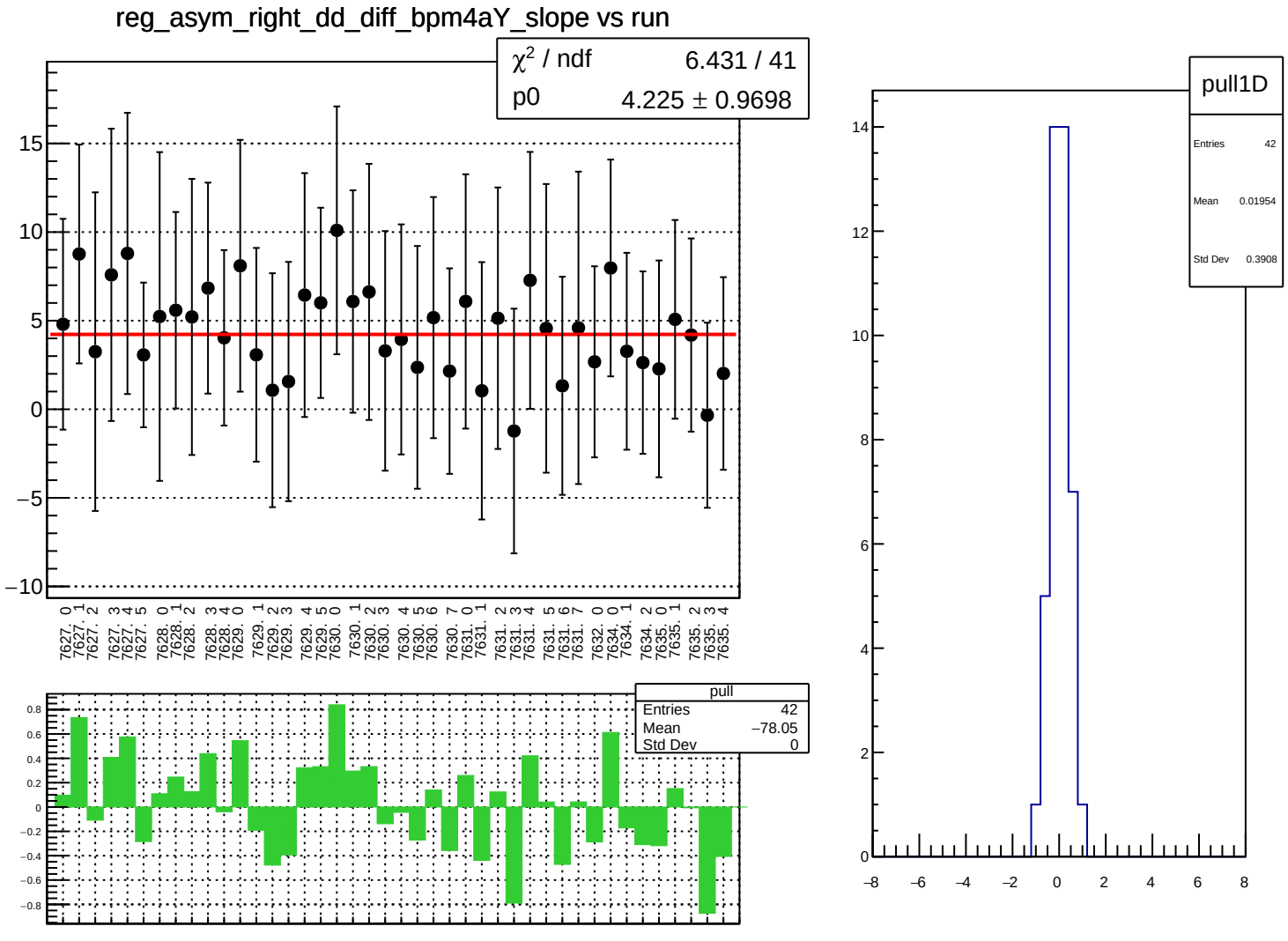

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.4 / 41
p0 5.691 ± 1.421
pull
Entries 42
Mean −135.2
Std Dev 0
pull1D
Entries 42
Mean −0.01714
Std Dev 0.4194

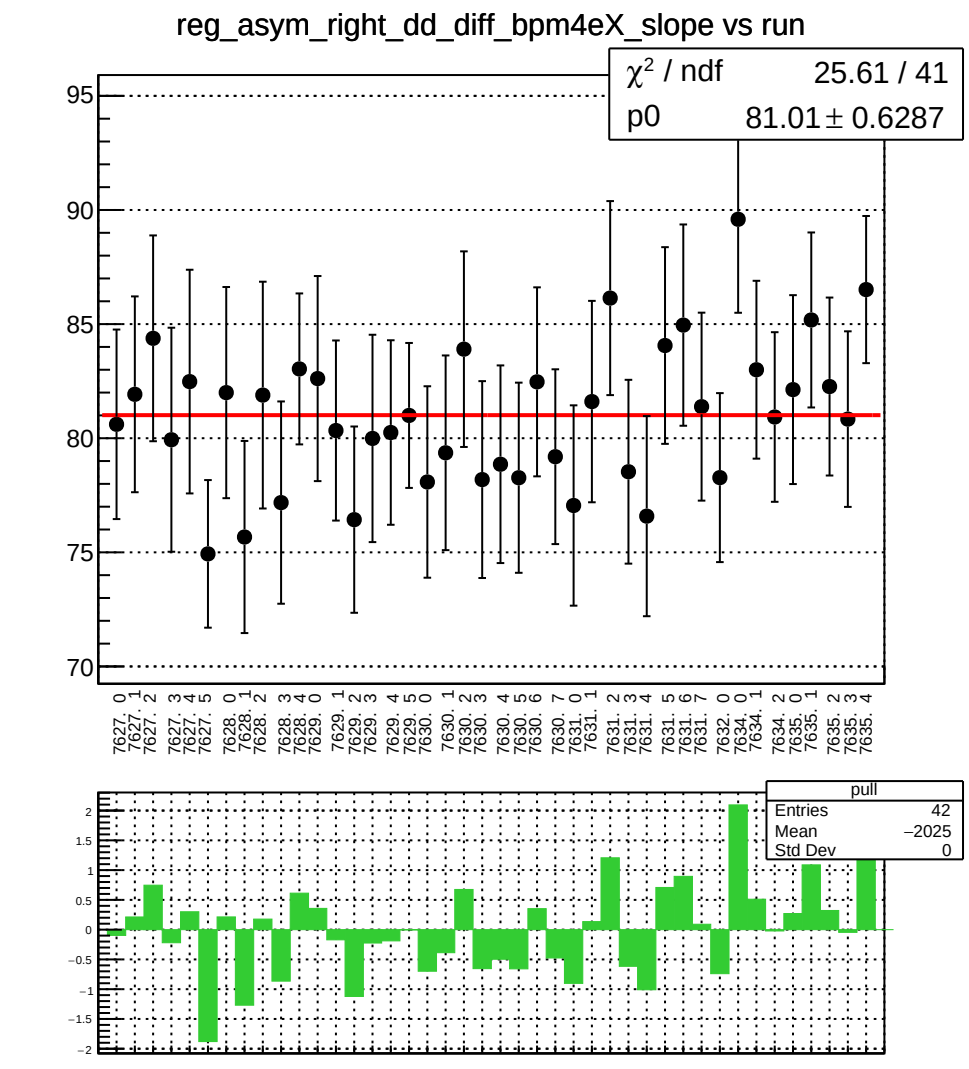

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 34.44 / 41
p0 −20.75 ± 0.1019
pull
Entries 42
Mean 189.7
Std Dev 0

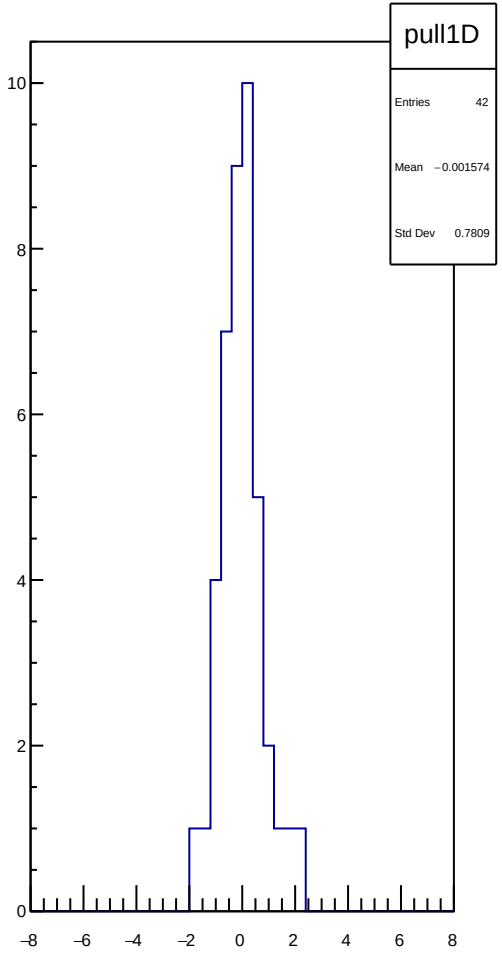

pull1D
Entries 42
Mean −0.01821
Std Dev 0.9053

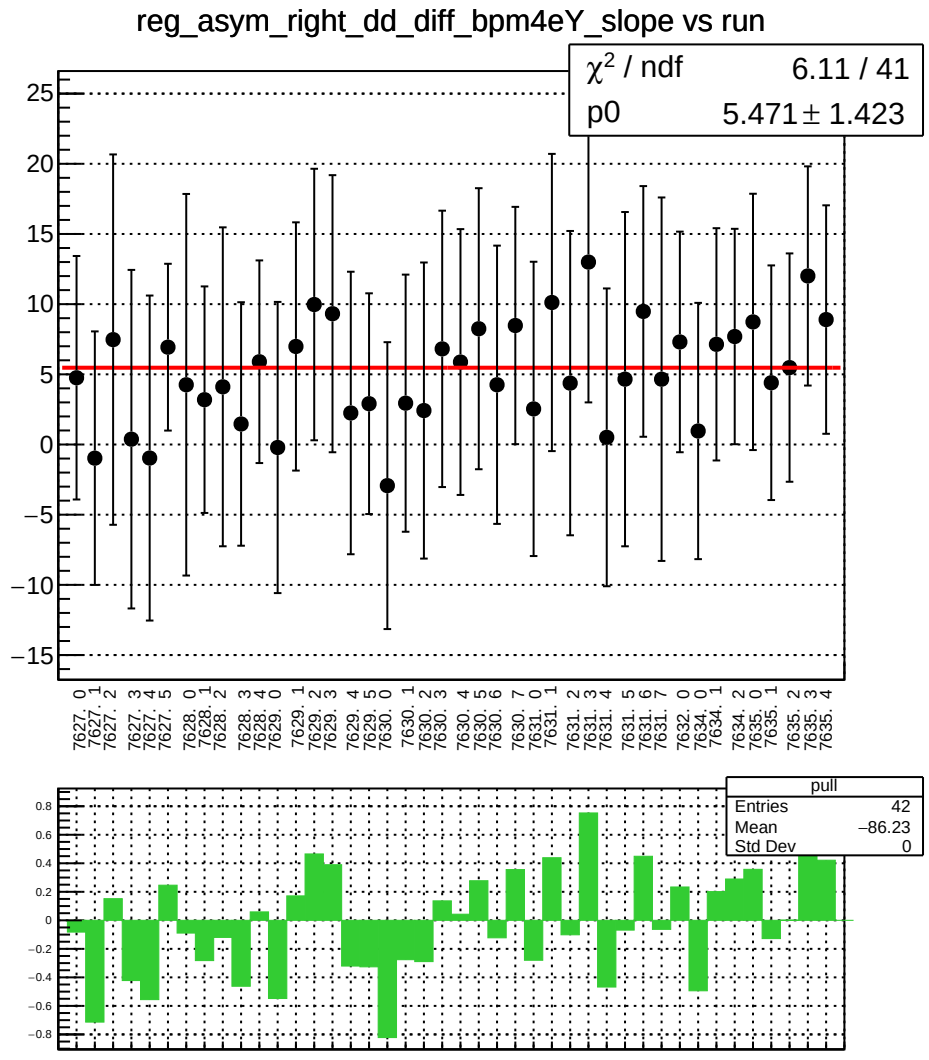

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 22.79 / 41
p0 −52.59 ± 0.7866
pull
Entries 42
Mean 621.3
Std Dev 0

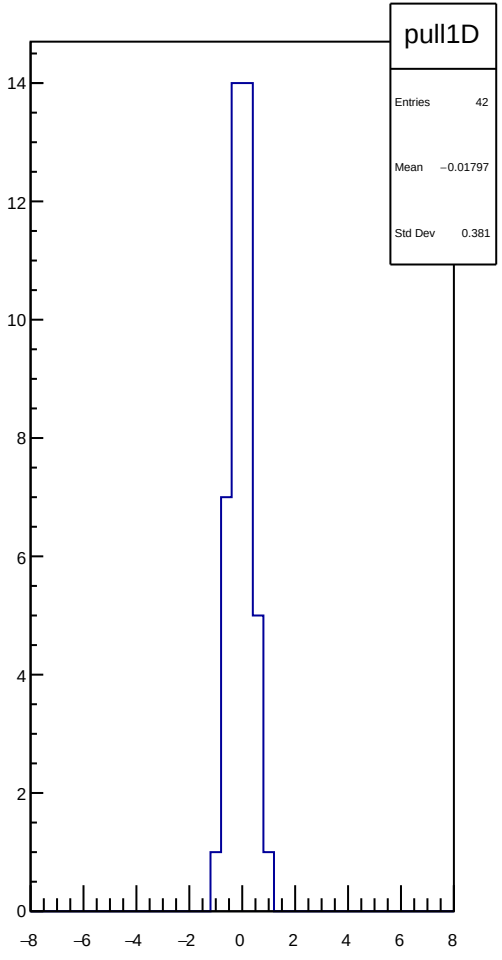

pull1D
Entries 42
Mean −0.004108
Std Dev 0.7367

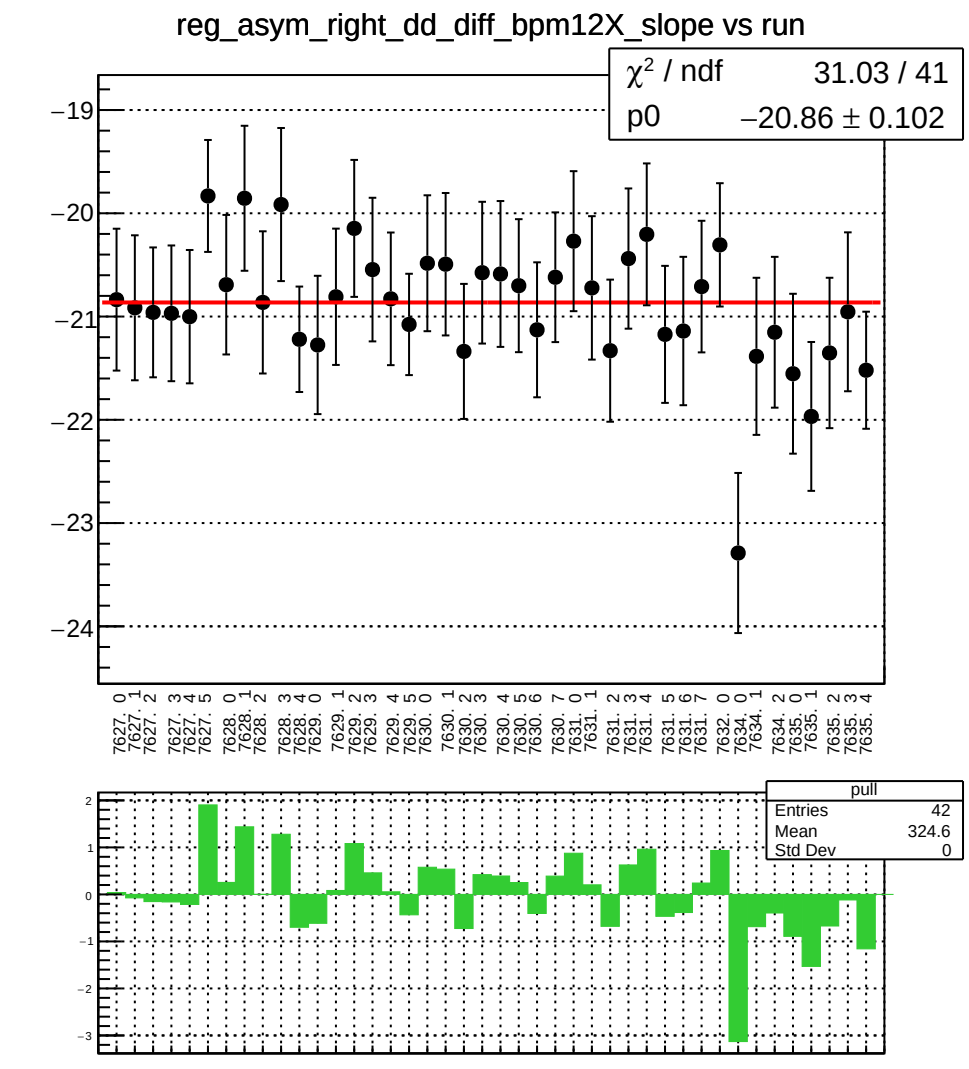

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.431 / 41
p0 4.225 ± 0.9698
pull
Entries 42
Mean −78.05
Std Dev 0
pull1D
Entries 42
Mean 0.01954
Std Dev 0.3908

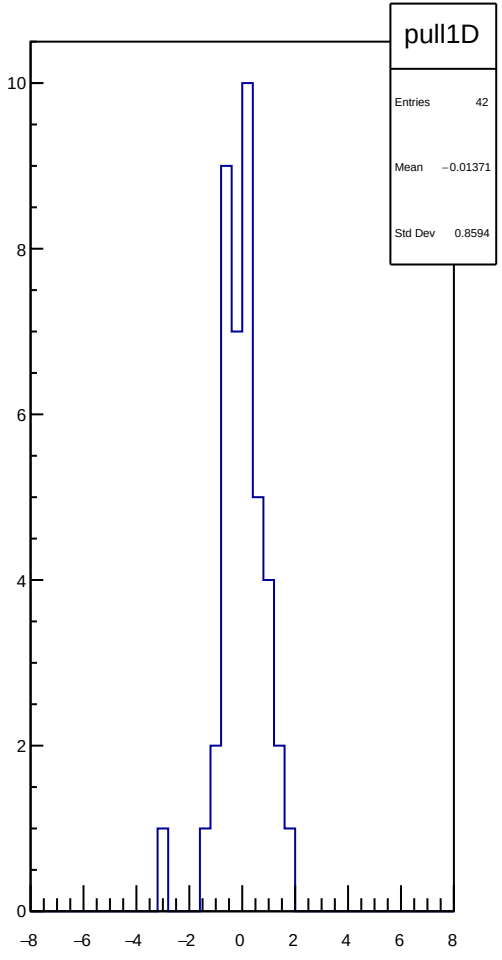

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.61 / 41
p0 81.01 ± 0.6287
95
90
85
80
75
70
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2025
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

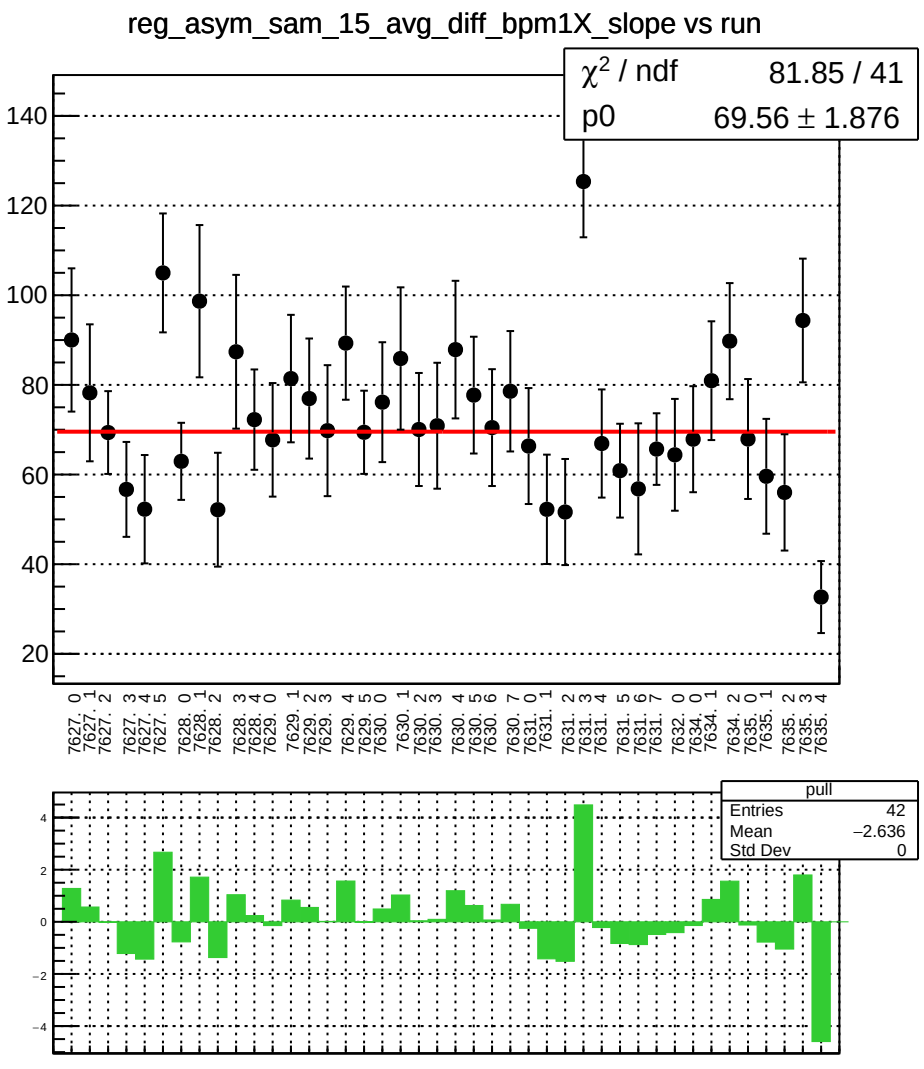

pull1D
Entries 42
Mean −0.001574
Std Dev 0.7809
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

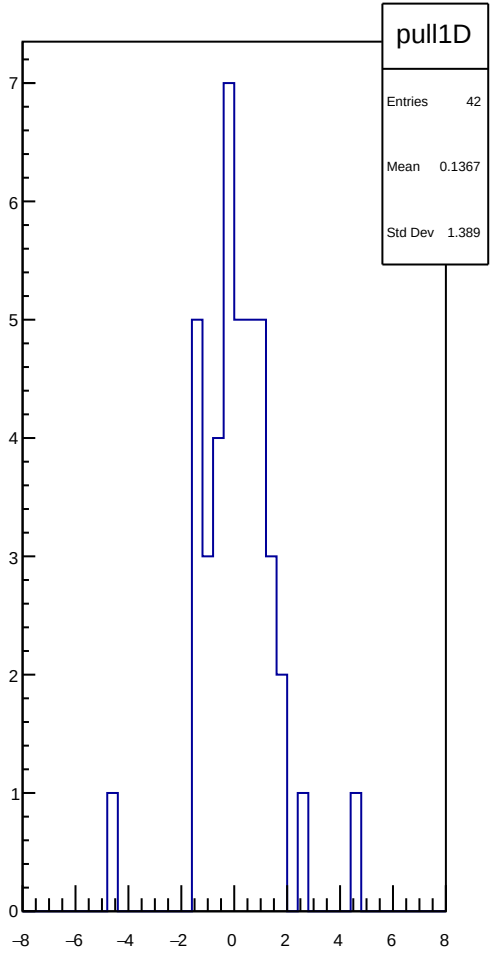

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.11 / 41
p0 5.471 ± 1.423
pull
Entries 42
Mean −86.23
Std Dev 0

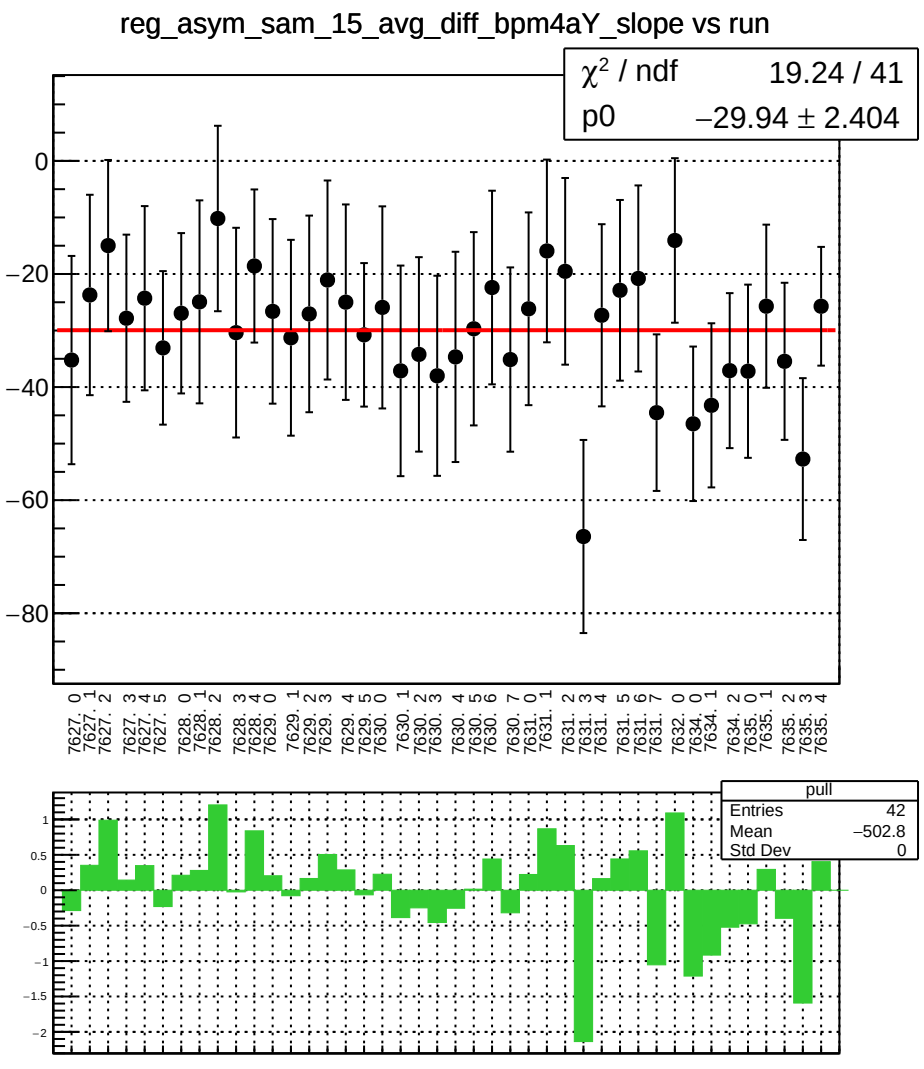

pull1D
Entries 42
Mean −0.01797
Std Dev 0.381

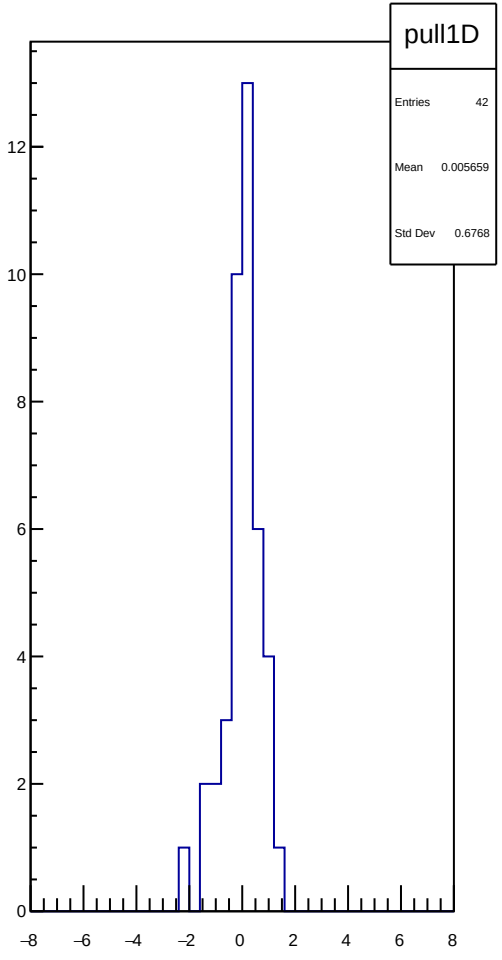

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 31.03 / 41
p0 −20.86 ± 0.102
pull
Entries 42
Mean 324.6
Std Dev 0

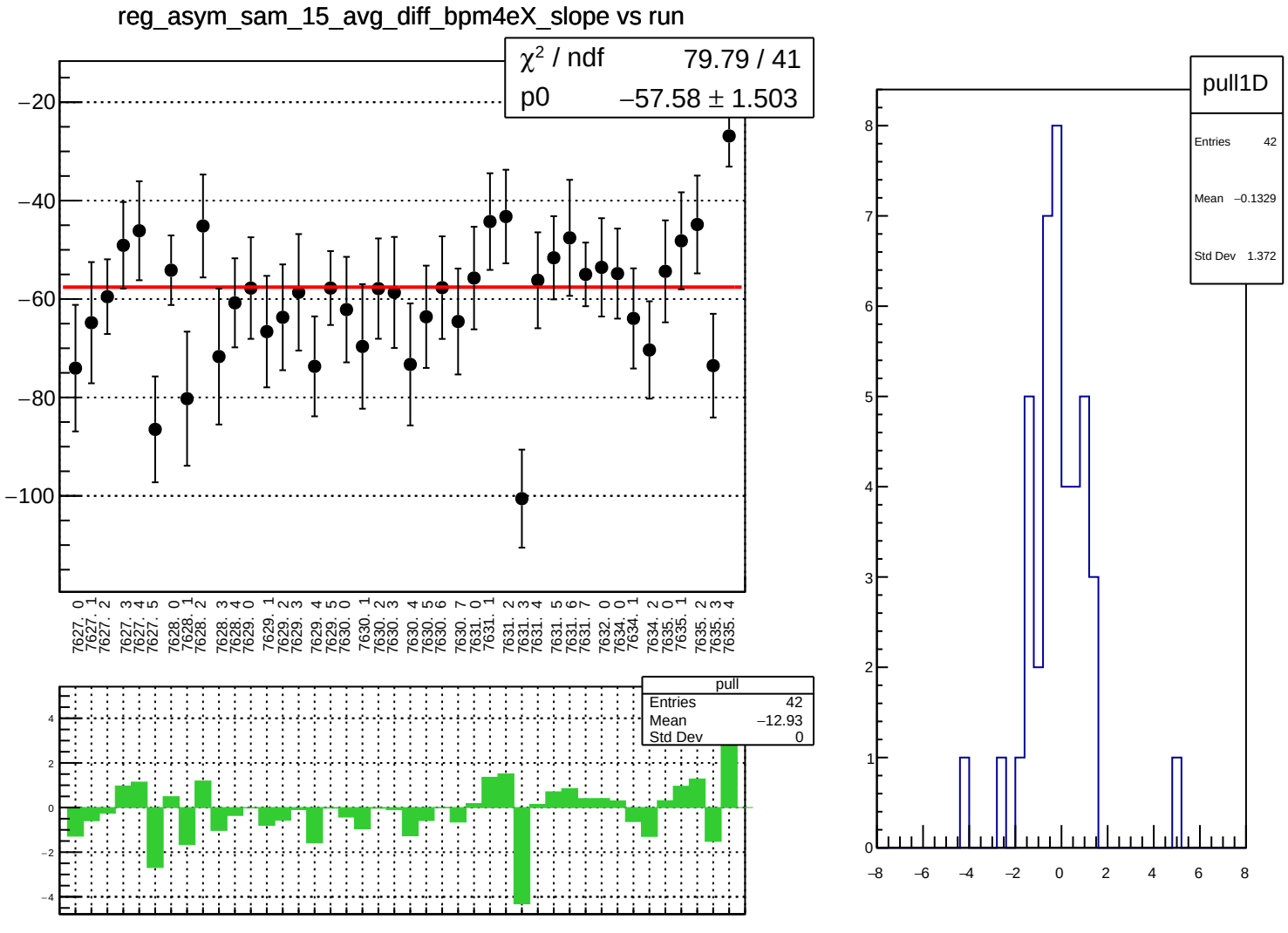

pull1D
Entries 42
Mean −0.01371
Std Dev 0.8594

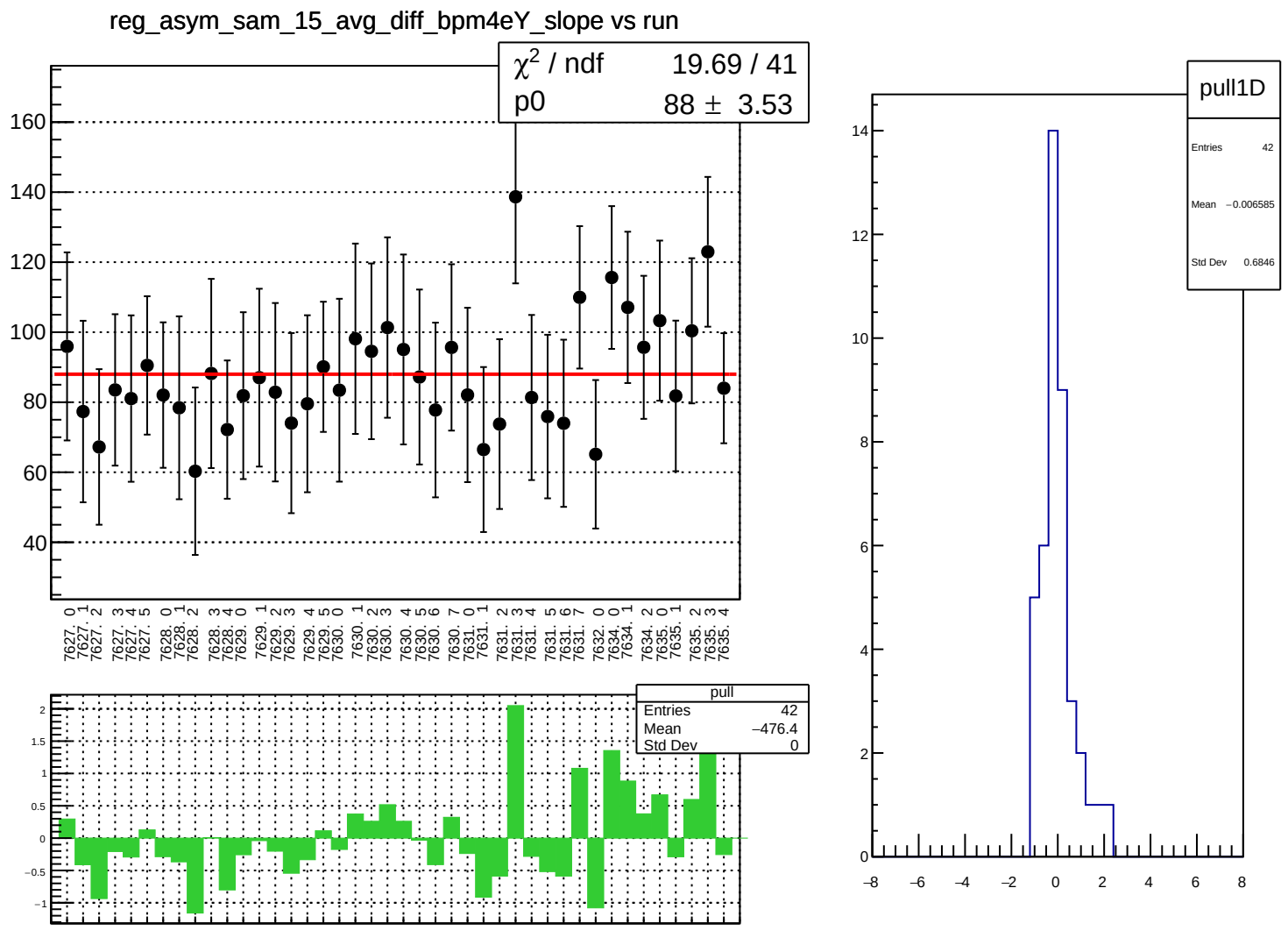

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 81.85 / 41
p0 69.56 ± 1.876
140
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −2.636
Std Dev 0
4
2
0
−2
−4

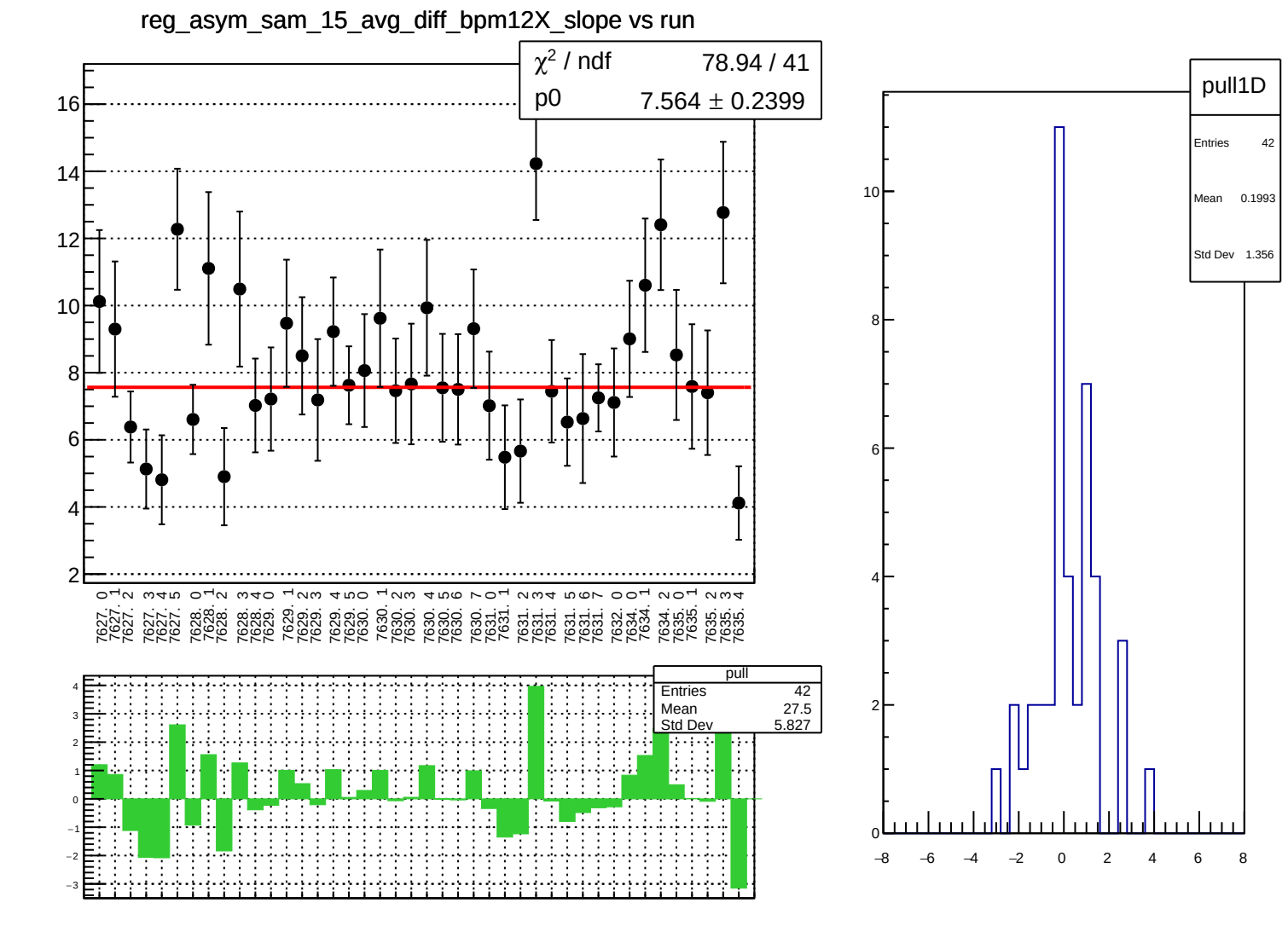

pull1D
Entries 42
Mean 0.1367
Std Dev 1.389
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

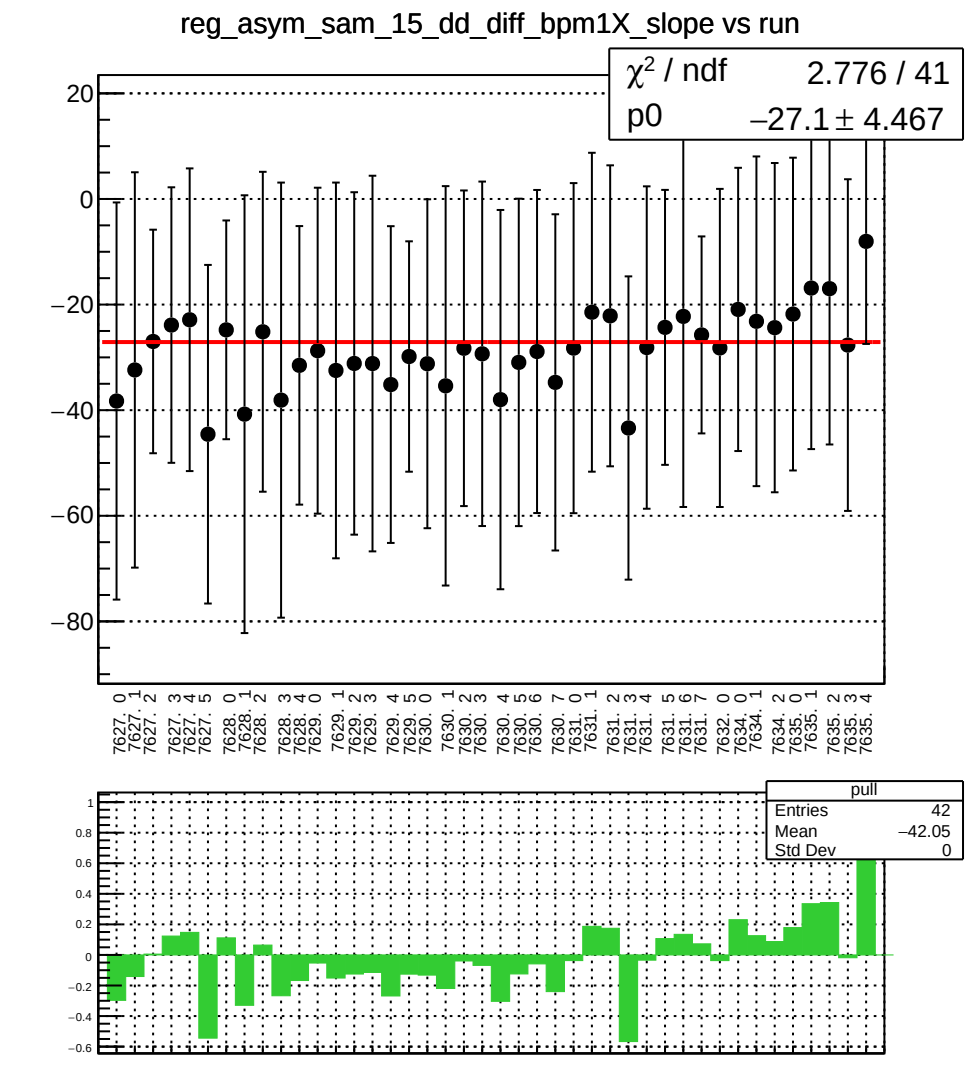

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.24 / 41
p0 −29.94 ± 2.404
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −502.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

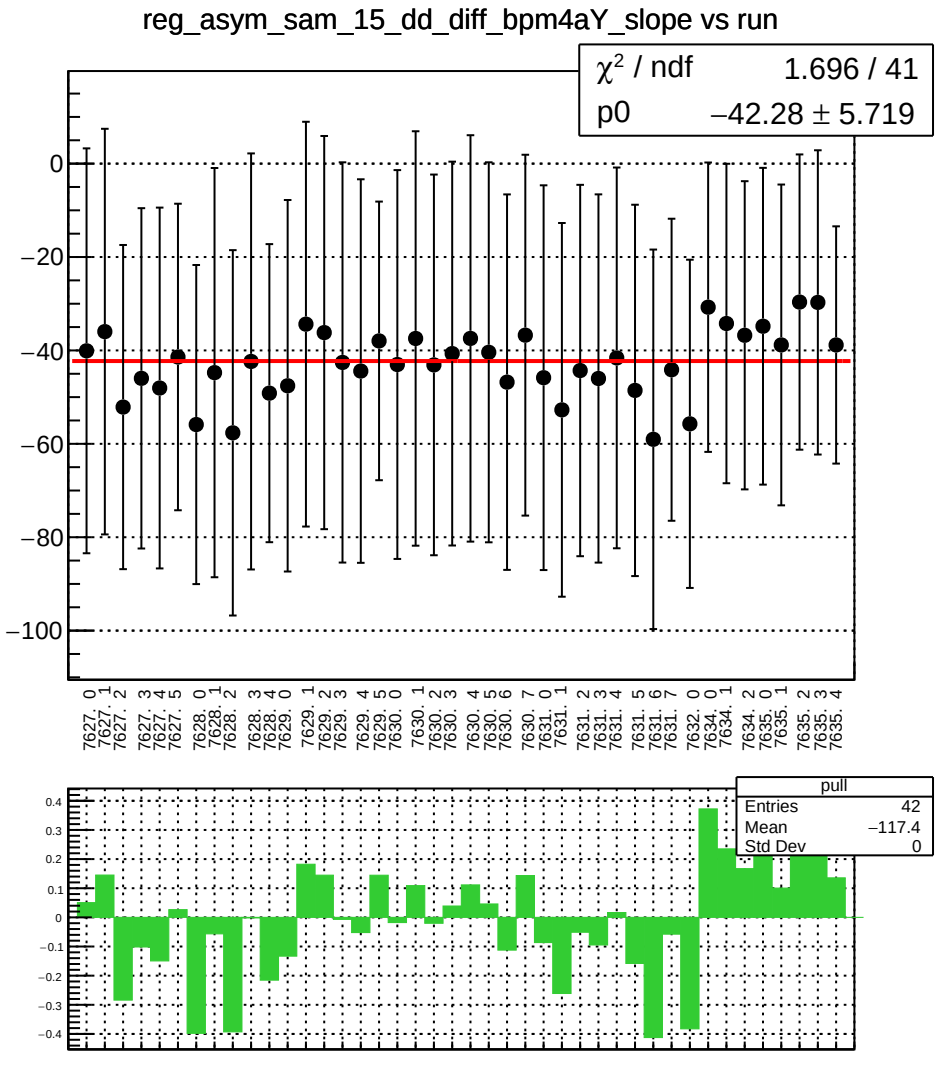

pull1D
Entries 42
Mean 0.005659
Std Dev 0.6768
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

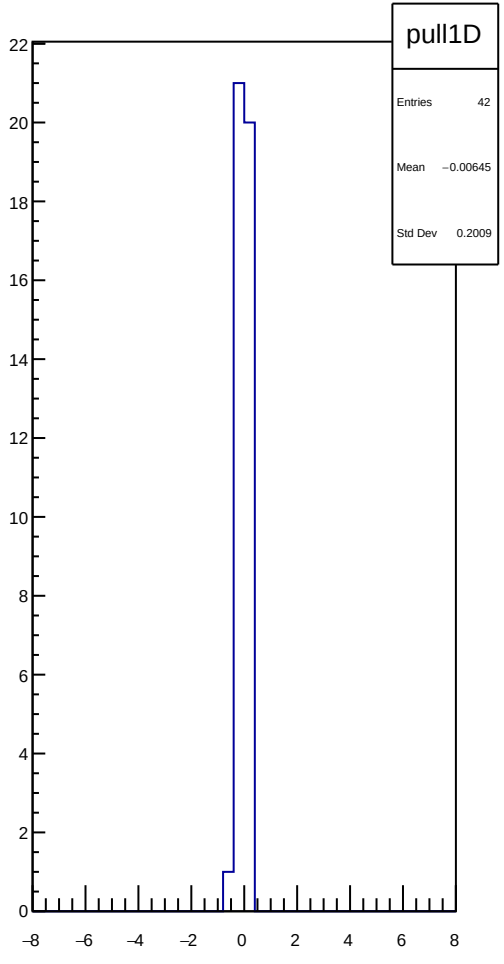

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.79 / 41
p0 −57.58 ± 1.503
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −12.93
Std Dev 0
4
2
0
−2
−4
pull1D
Entries 42
Mean −0.1329
Std Dev 1.372
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

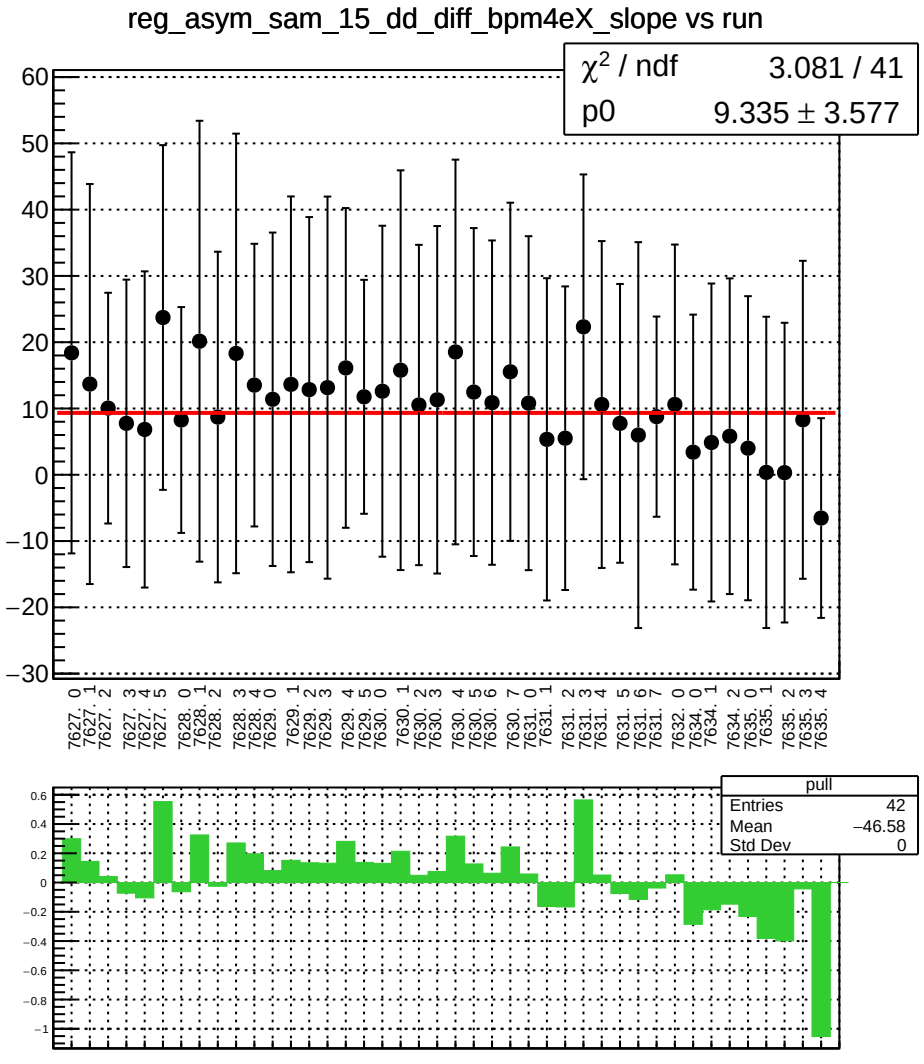

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.69 / 41
p0 88 ± 3.53
160
140
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −476.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 42
Mean −0.006585
Std Dev 0.6846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

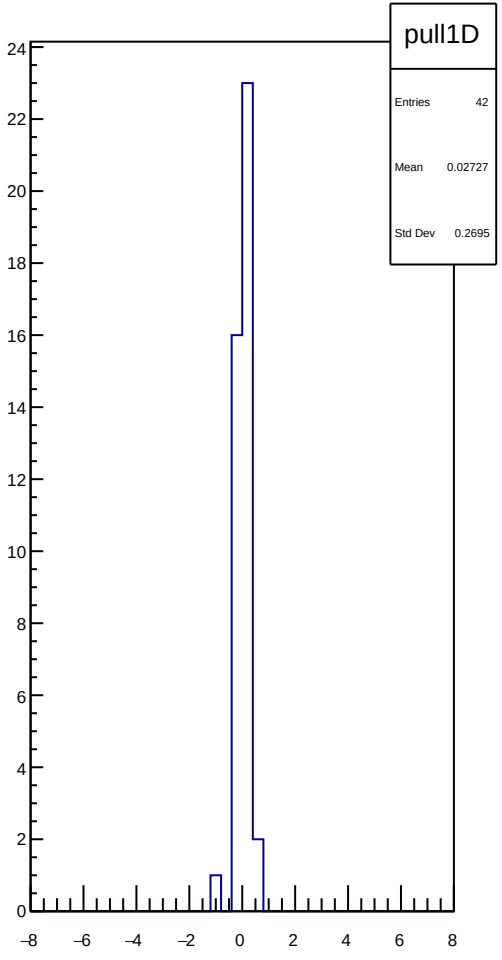

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 78.94 / 41
p0 7.564 ± 0.2399
pull
Entries 42
Mean 27.5
Std Dev 5.827
pull1D
Entries 42
Mean 0.1993
Std Dev 1.356

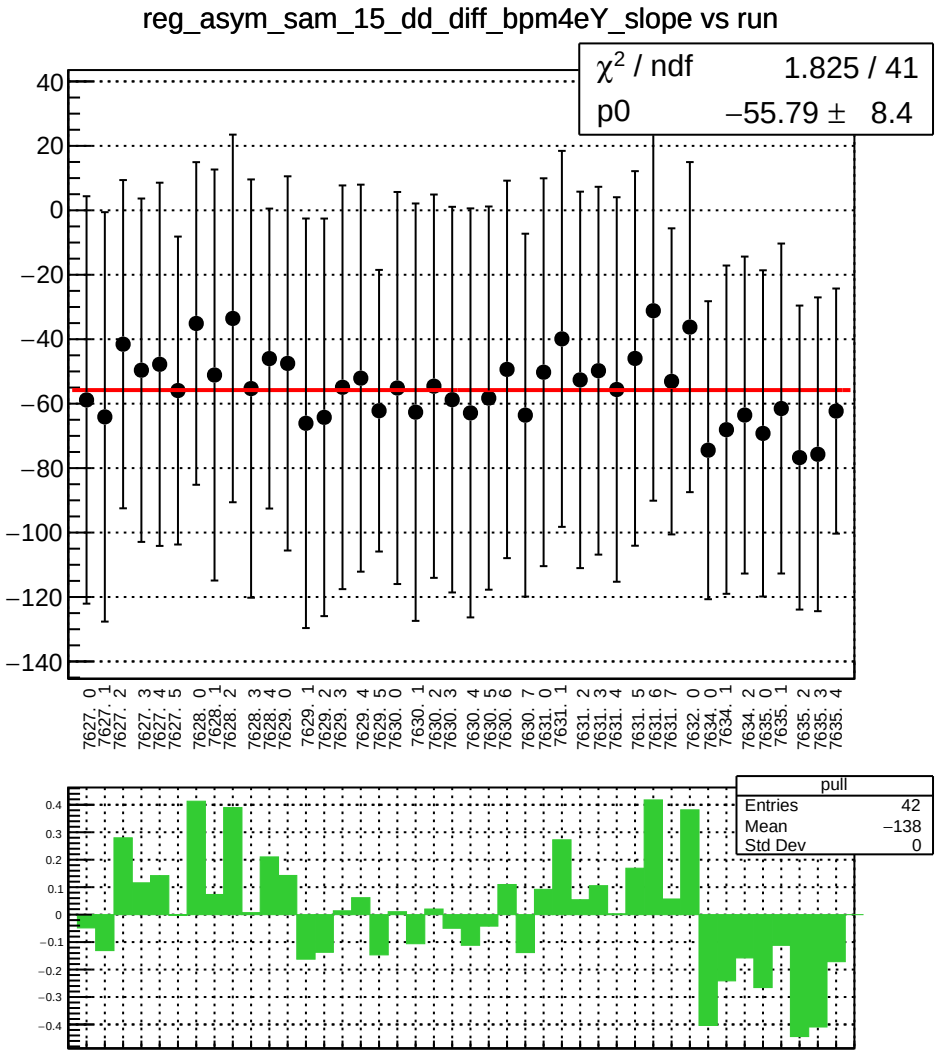

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.776 / 41
p0 −27.1 ± 4.467
pull
Entries 42
Mean −42.05
Std Dev 0
pull1D
Entries 42
Mean −0.025
Std Dev 0.2559

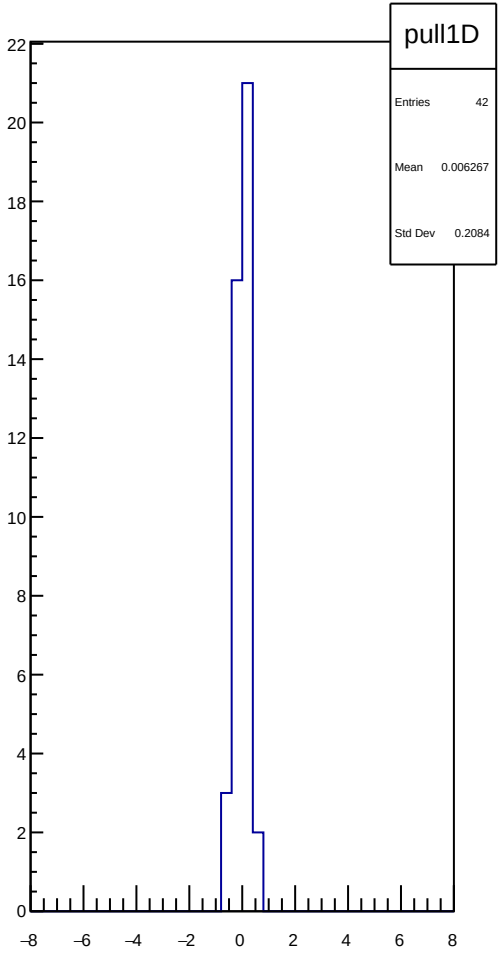

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.696 / 41
p0 −42.28 ± 5.719
pull
Entries 42
Mean −117.4
Std Dev 0

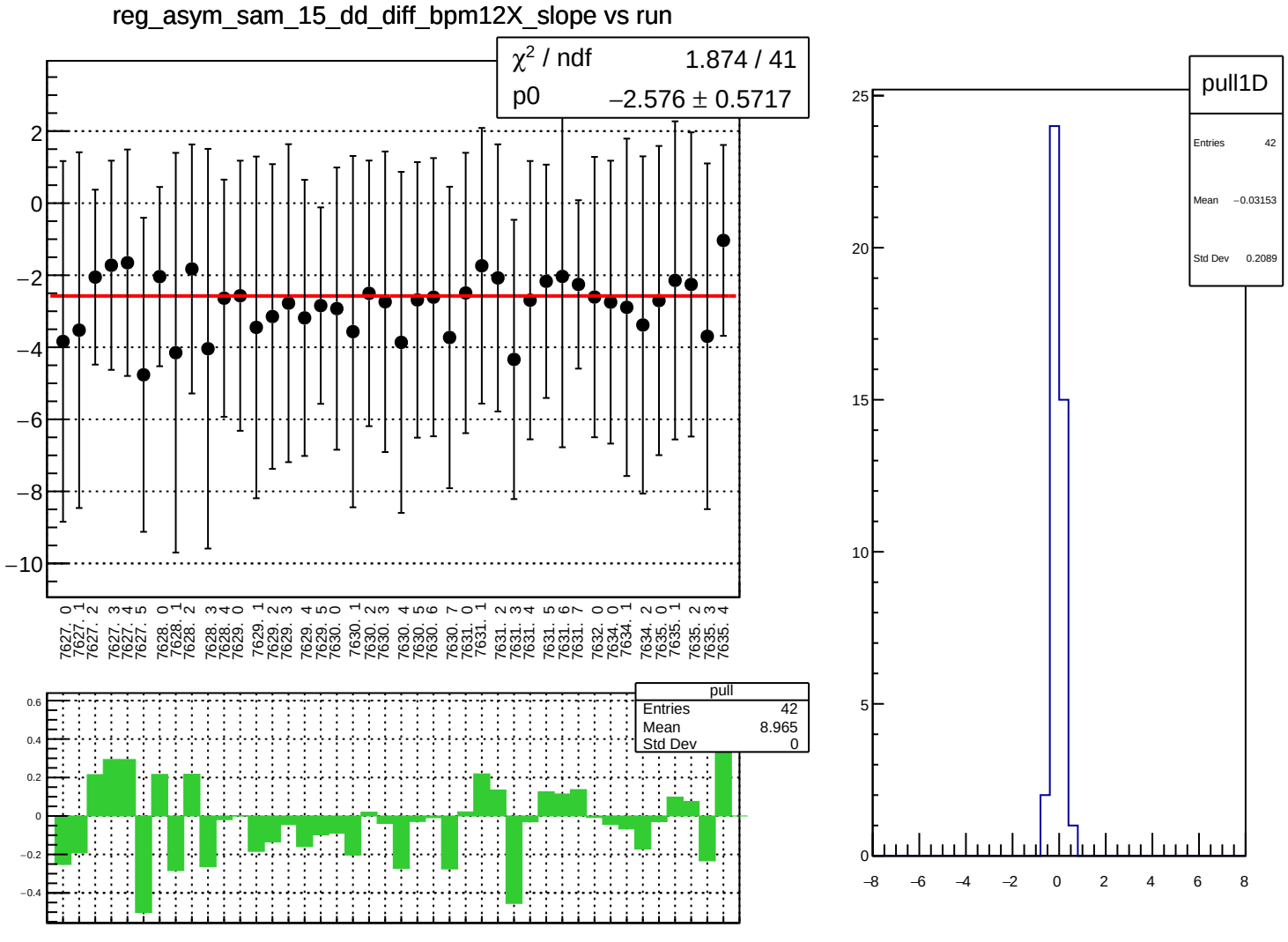

pull1D
Entries 42
Mean −0.00645
Std Dev 0.2009

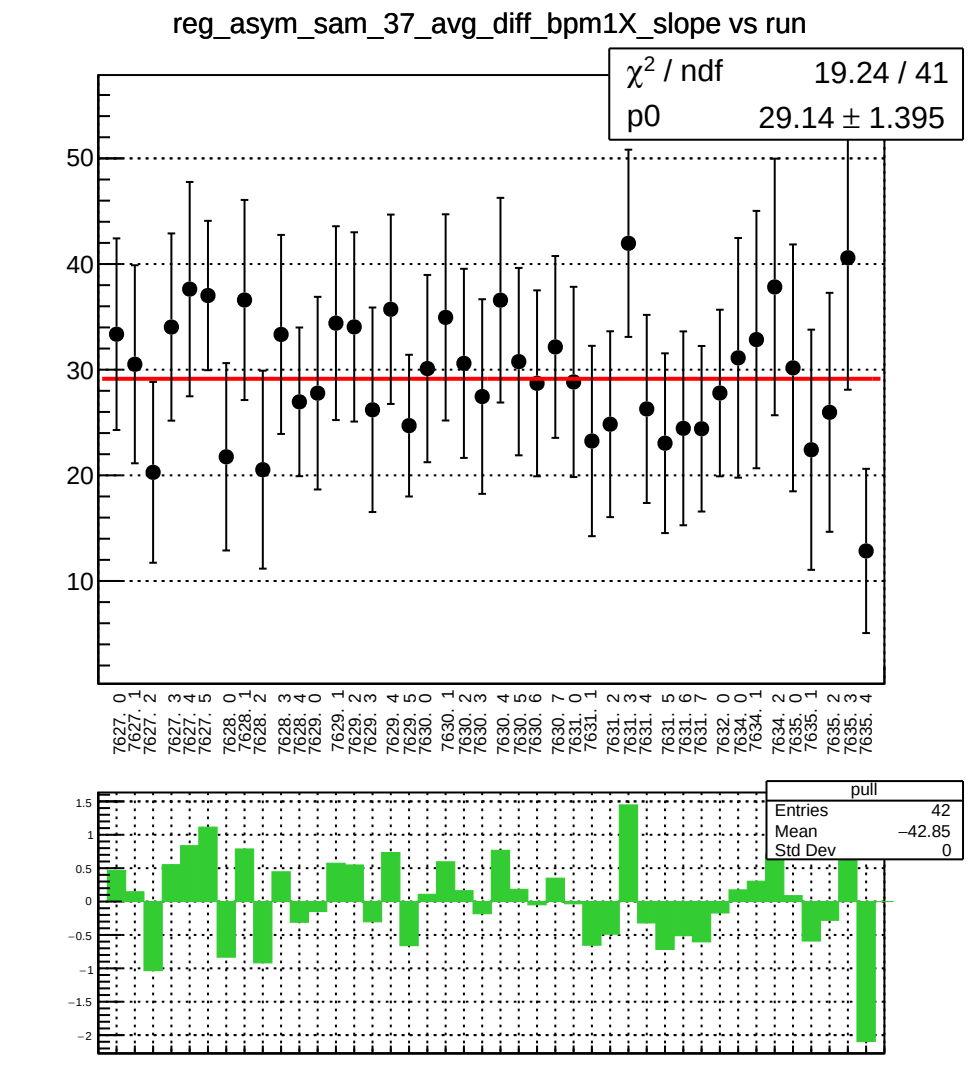

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.081 / 41
p0 9.335 ± 3.577
pull
Entries 42
Mean −46.58
Std Dev 0

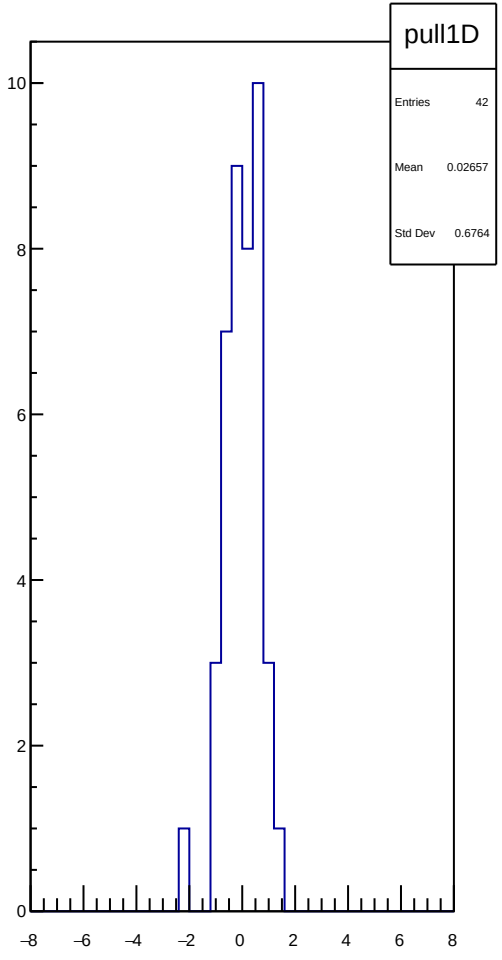

pull1D
Entries 42
Mean 0.02727
Std Dev 0.2695

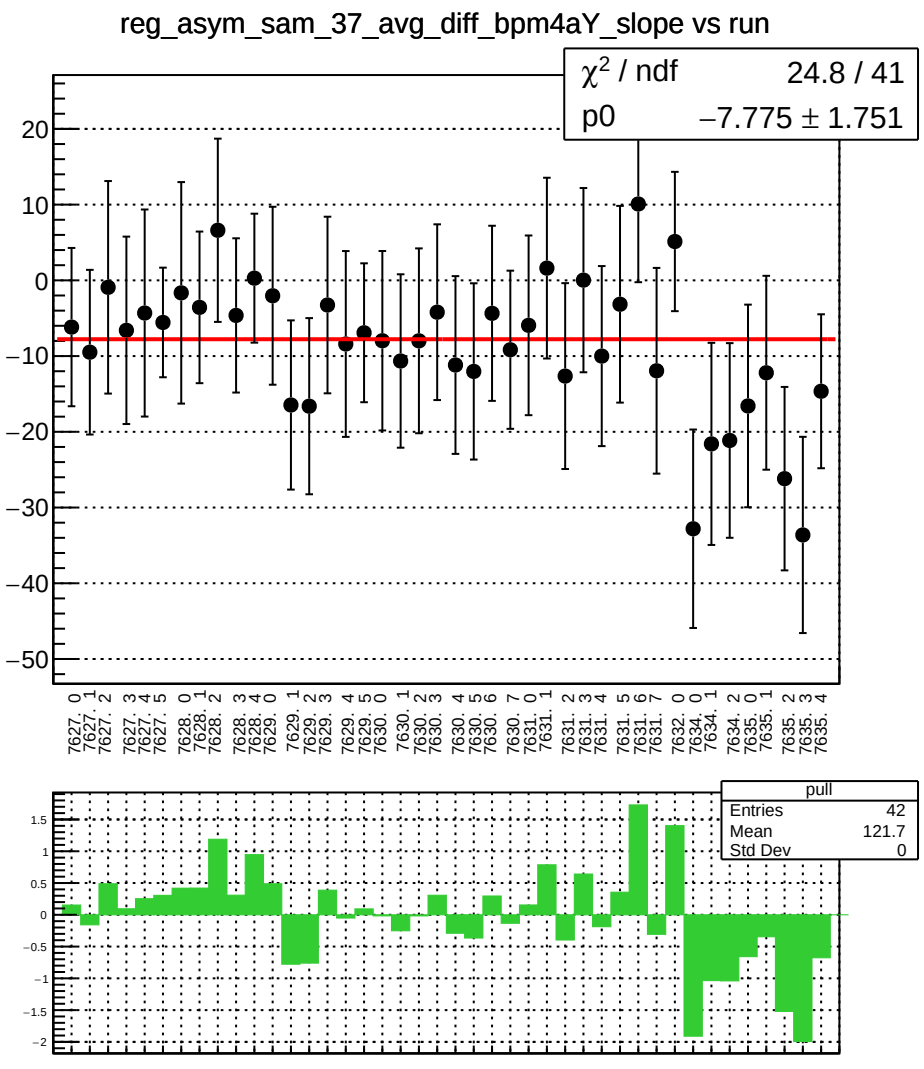

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.825 / 41
p0 −55.79 ± 8.4
pull
Entries 42
Mean −138
Std Dev 0

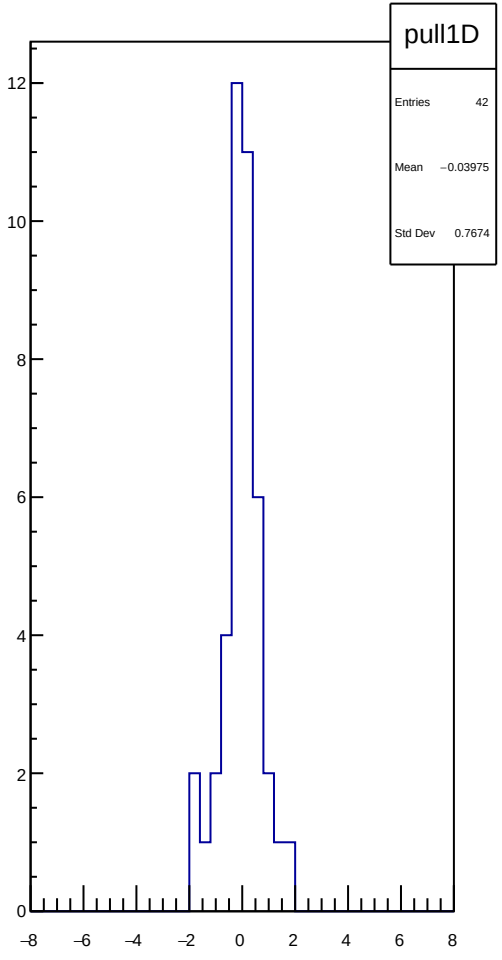

pull1D
Entries 42
Mean 0.006267
Std Dev 0.2084

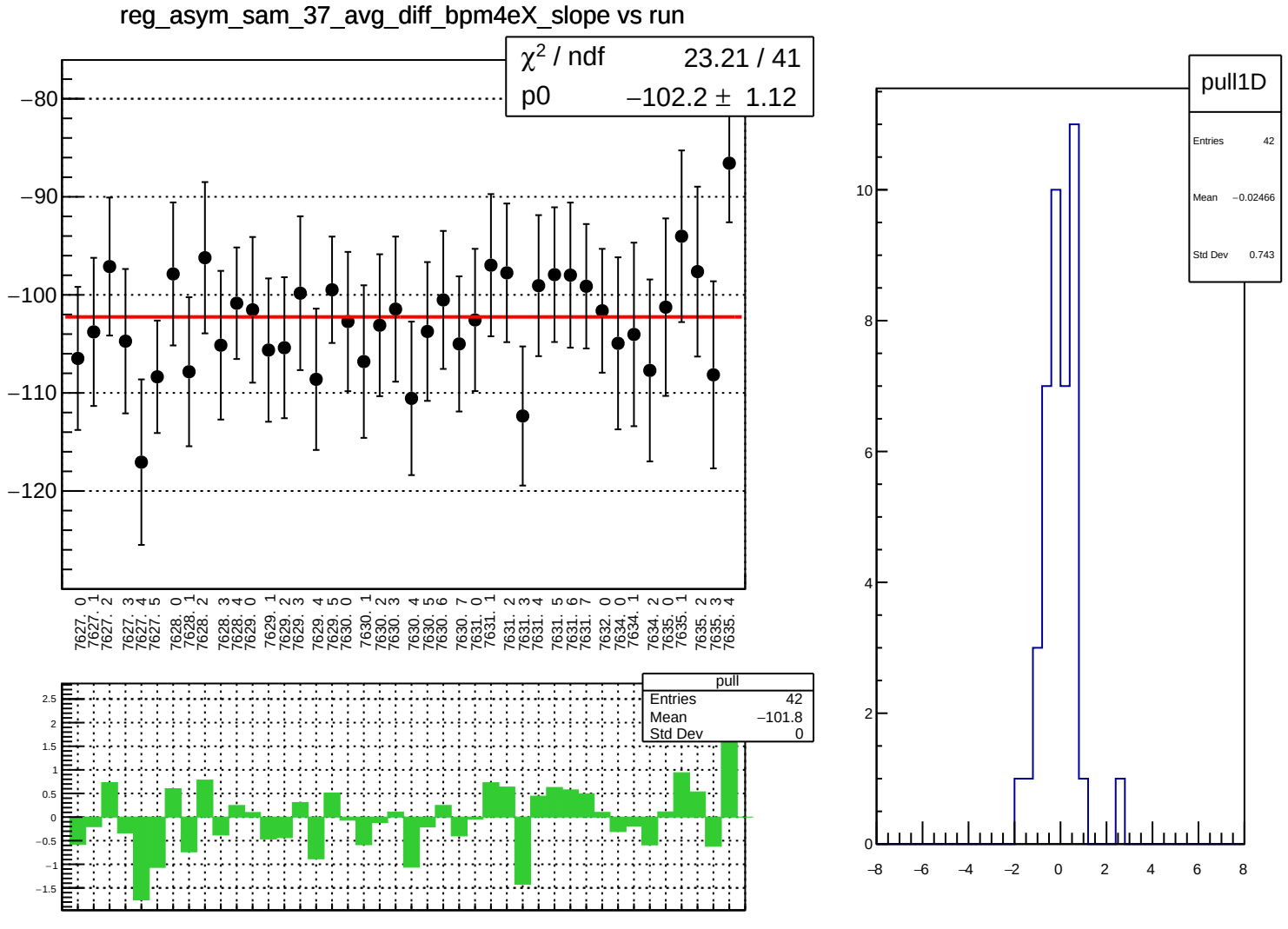

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 1.874 / 41
p0 −2.576 ± 0.5717
pull
Entries 42
Mean 8.965
Std Dev 0
pull1D
Entries 42
Mean −0.03153
Std Dev 0.2089

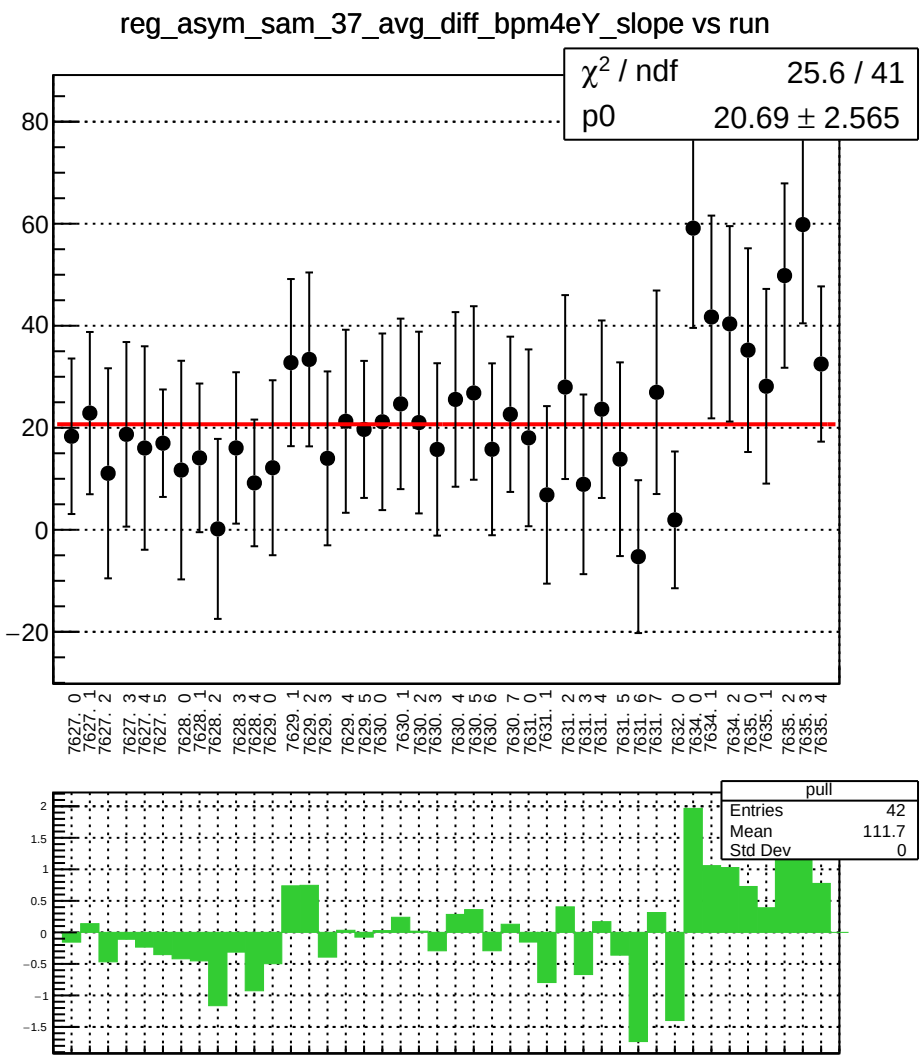

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 19.24 / 41
p0 29.14 ± 1.395
pull
Entries 42
Mean −42.85
Std Dev 0

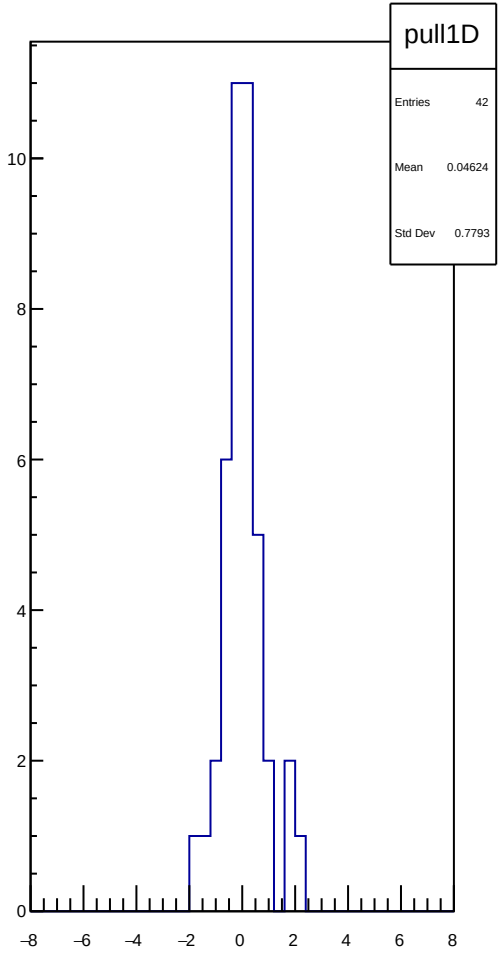

pull1D
Entries 42
Mean 0.02657
Std Dev 0.6764

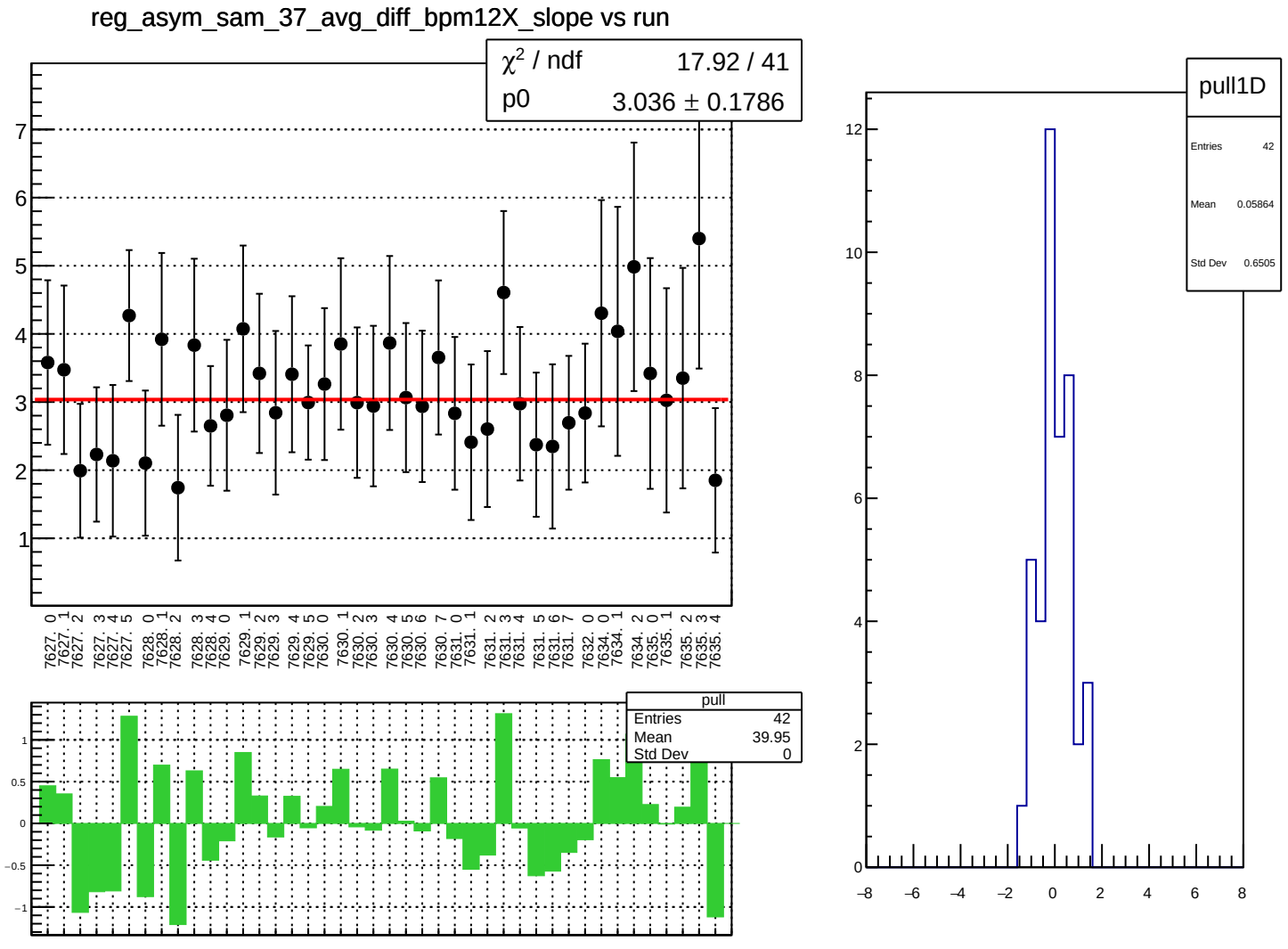

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.8 / 41
p0 −7.775 ± 1.751
pull
Entries 42
Mean 121.7
Std Dev 0

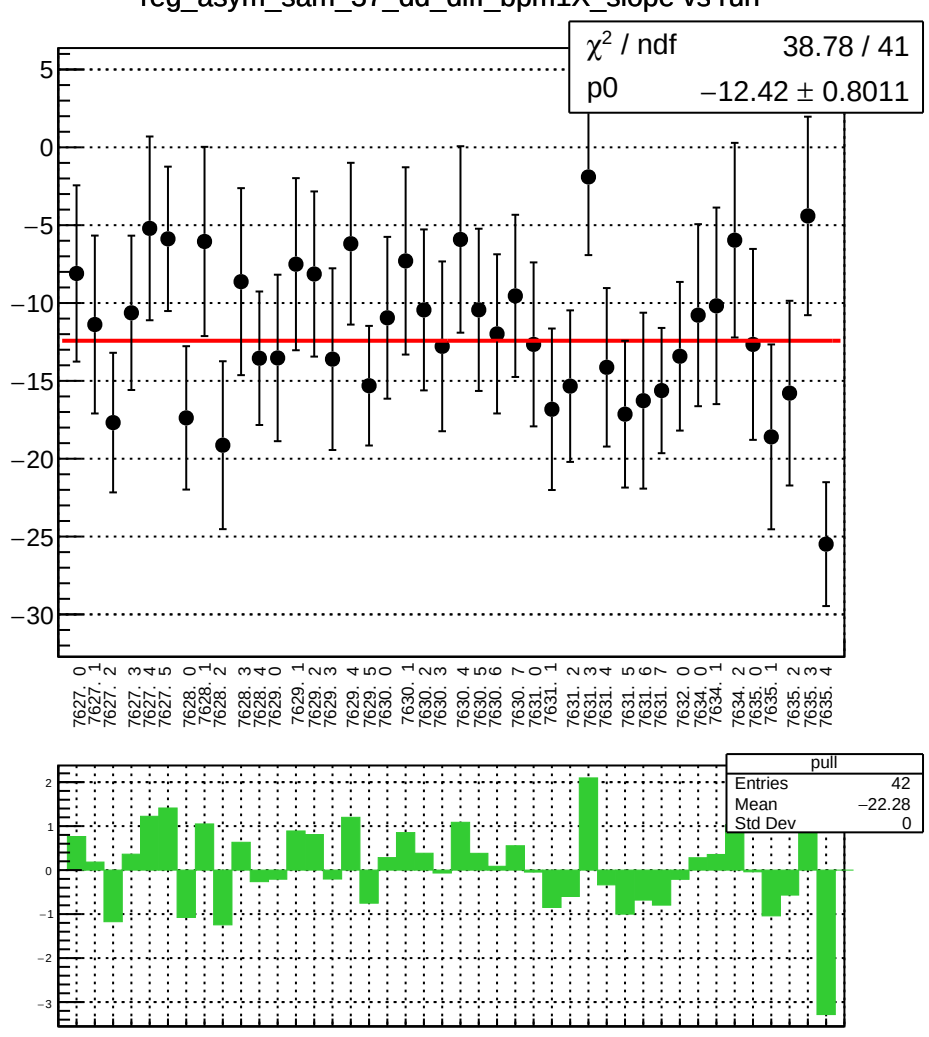

pull1D
Entries 42
Mean −0.03975
Std Dev 0.7674

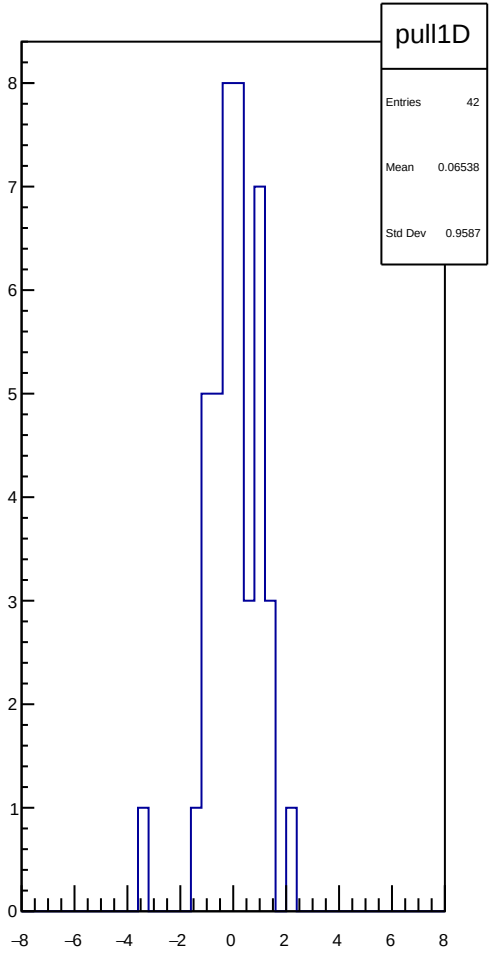

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.21 / 41
p0 −102.2 ± 1.12
−80
−90
−100
−110
−120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −101.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02466
Std Dev 0.743
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

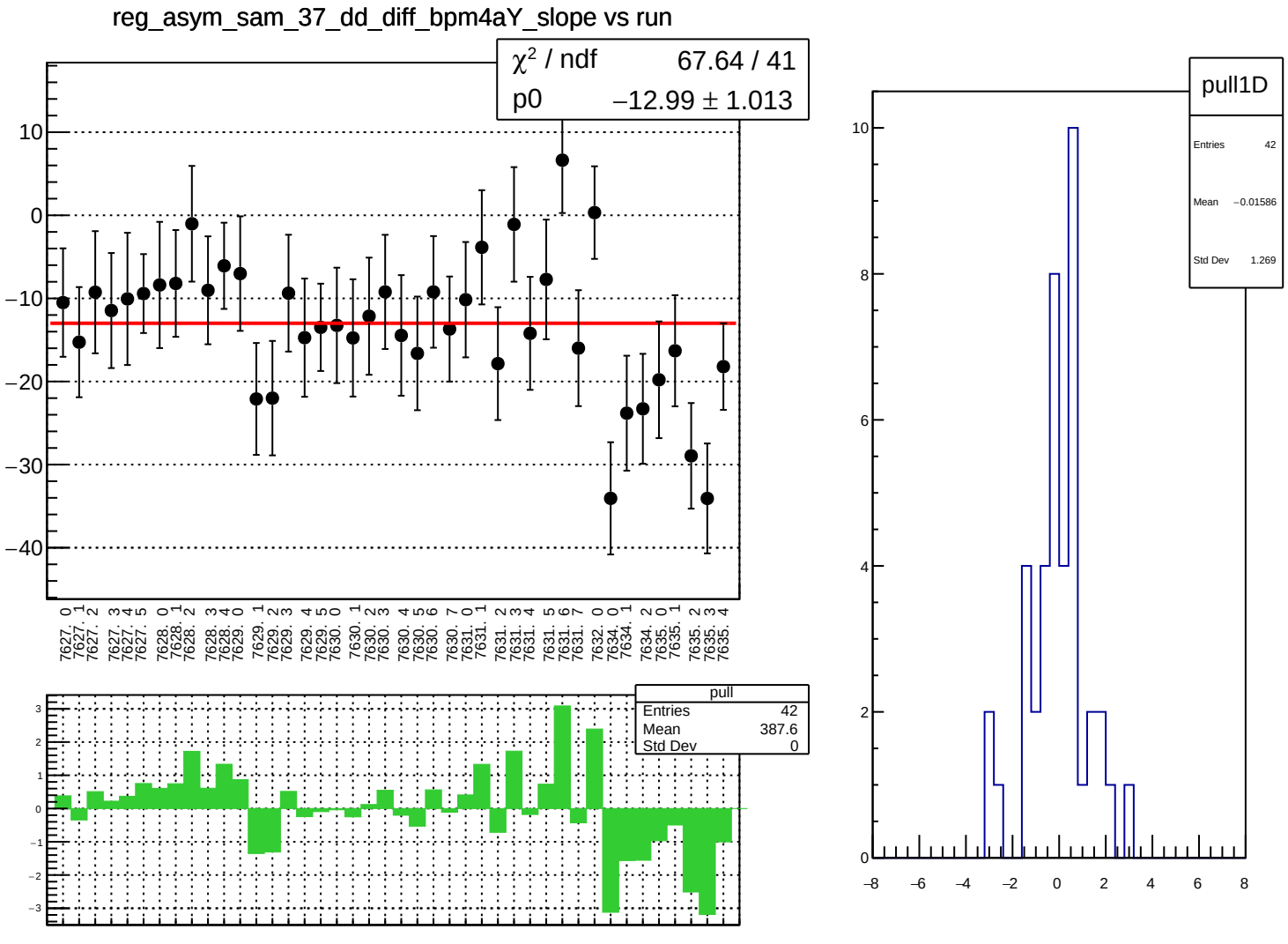

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.6 / 41
p0 20.69 ± 2.565
80
60
40
20
0
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 111.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

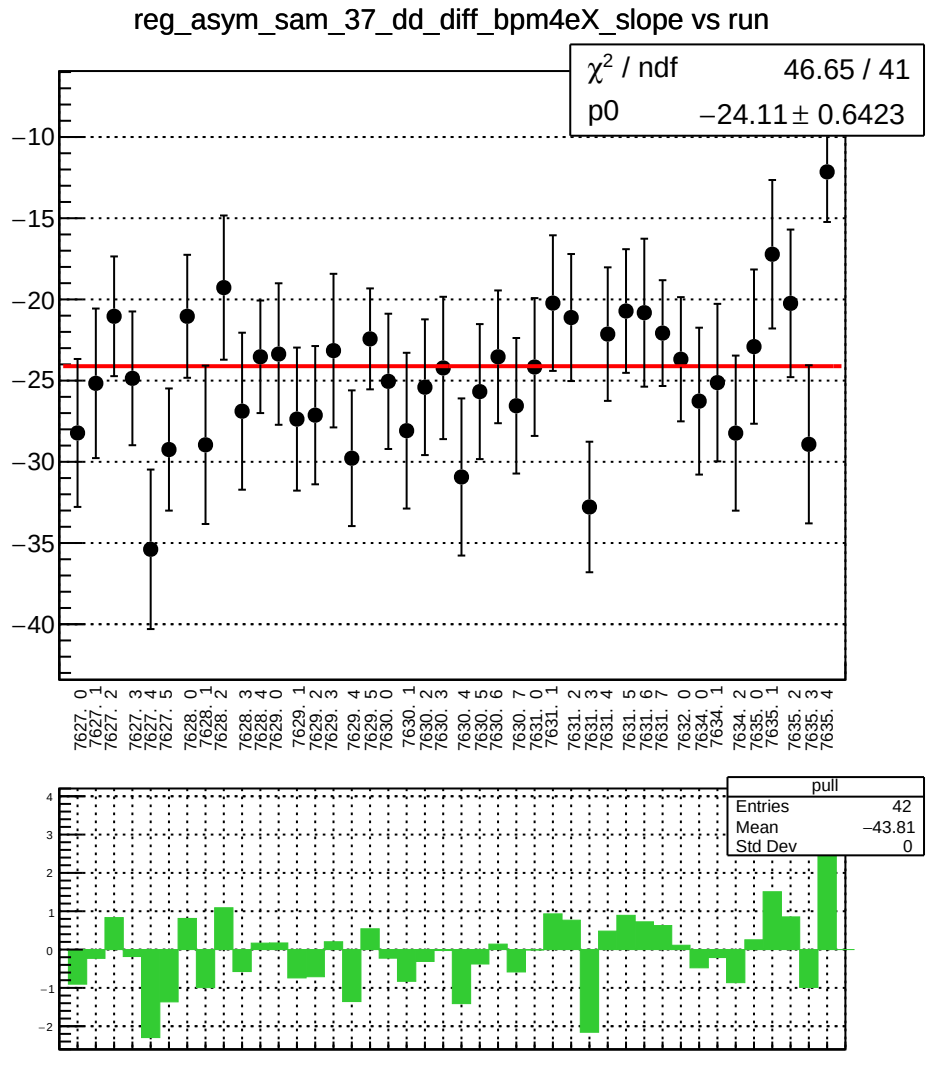

pull1D
Entries 42
Mean 0.04624
Std Dev 0.7793
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

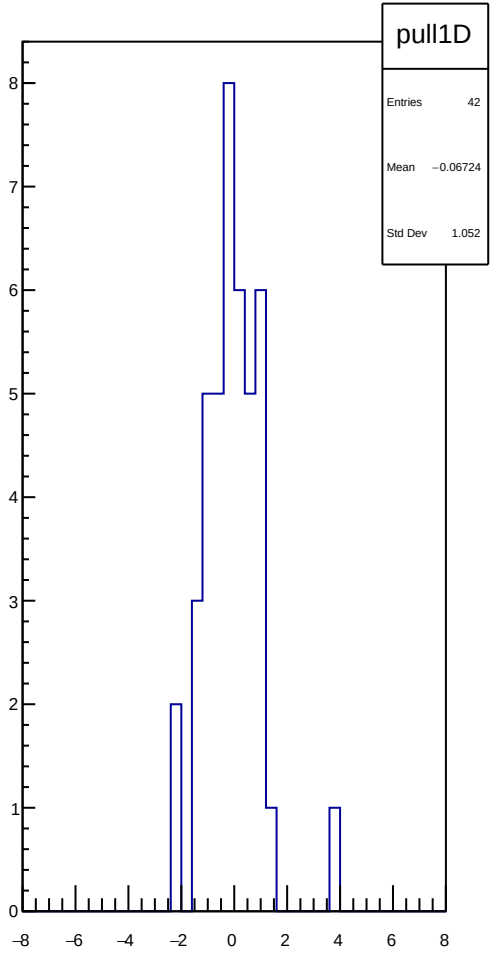

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 17.92 / 41
p0 3.036 ± 0.1786
pull
Entries 42
Mean 39.95
Std Dev 0
pull1D
Entries 42
Mean 0.05864
Std Dev 0.6505

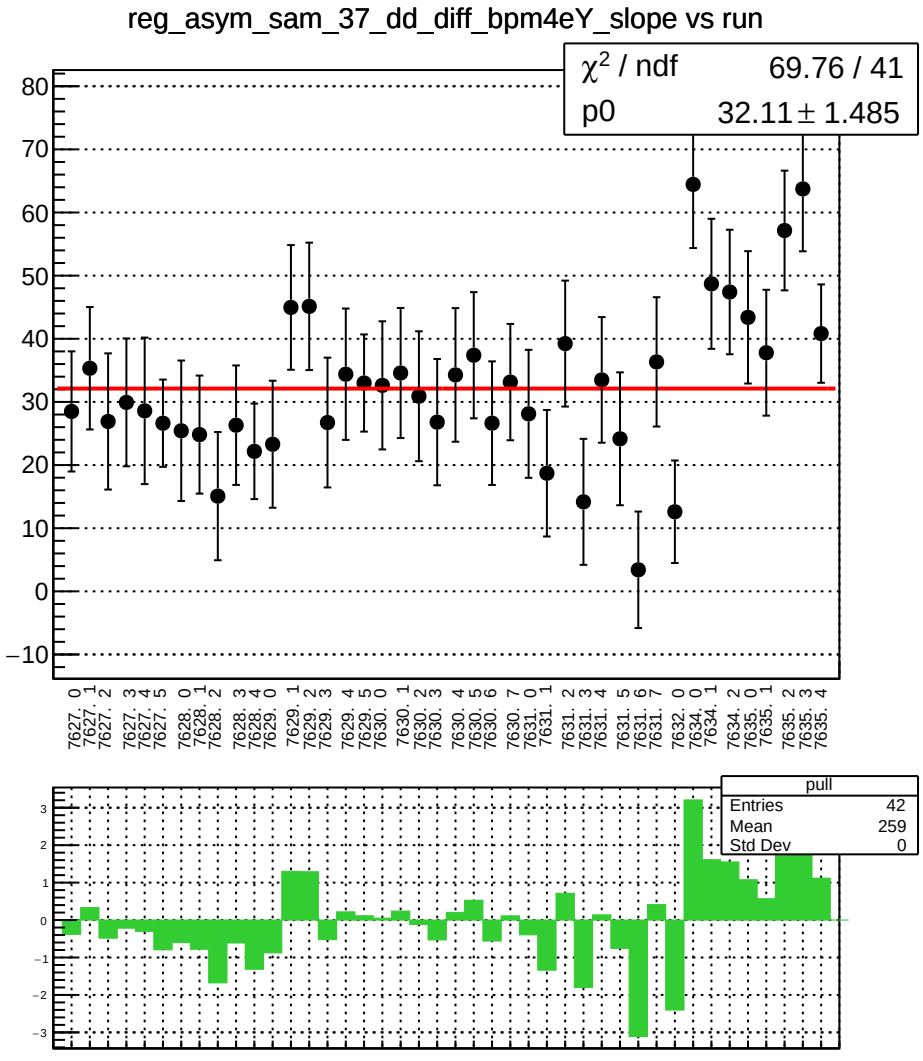

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 38.78 / 41
p0 −12.42 ± 0.8011
pull
Entries 42
Mean −22.28
Std Dev 0

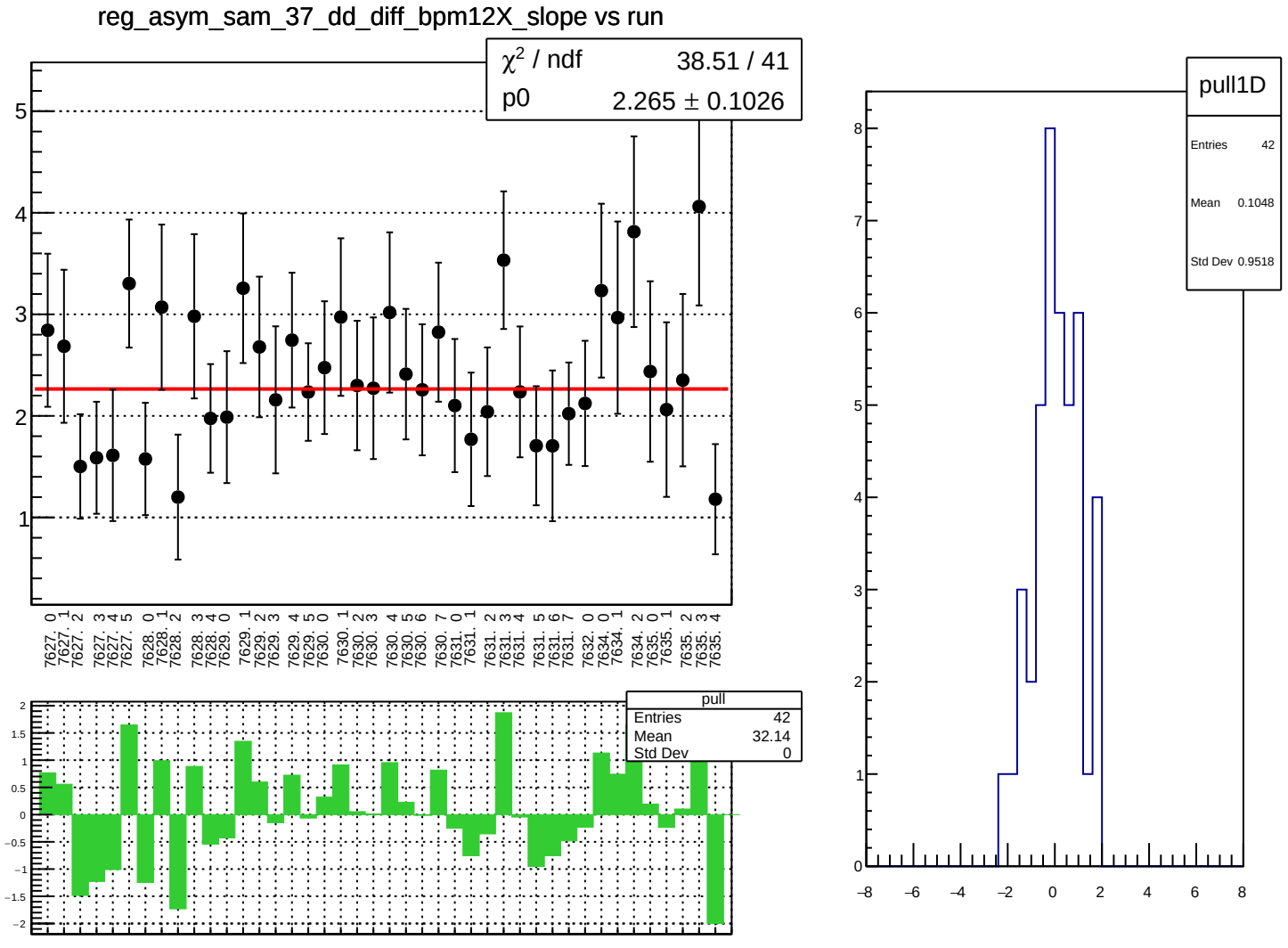

pull1D
Entries 42
Mean 0.06538
Std Dev 0.9587

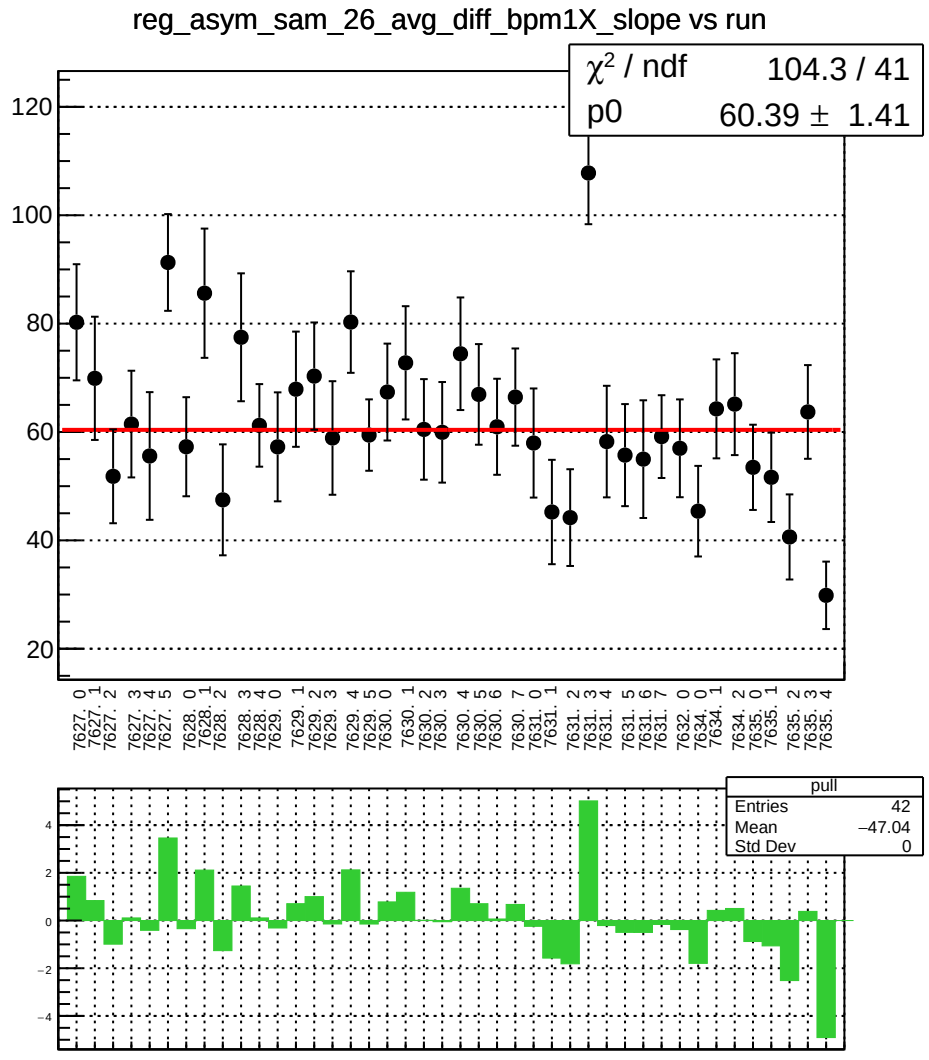

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.64 / 41
p0 −12.99 ± 1.013
pull
Entries 42
Mean 387.6
Std Dev 0
pull1D
Entries 42
Mean −0.01586
Std Dev 1.269

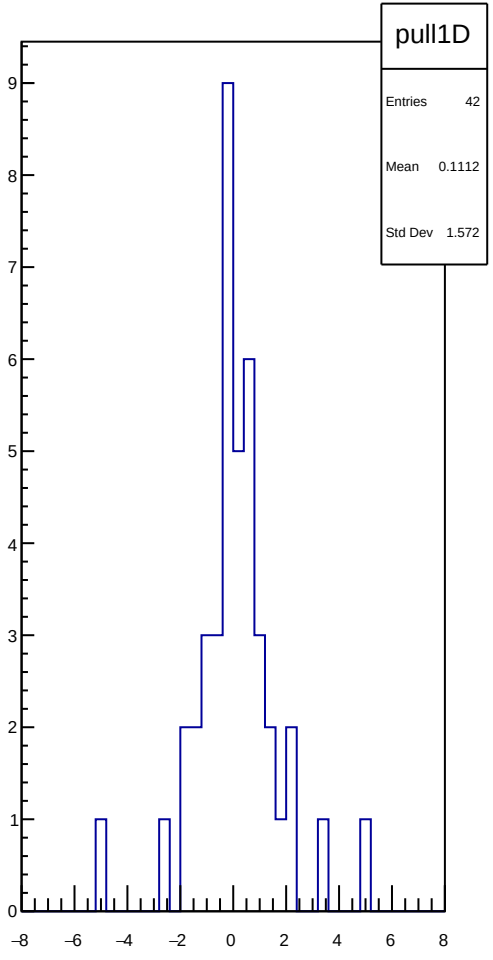

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.65 / 41
p0 −24.11 ± 0.6423
−10
−15
−20
−25
−30
−35
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −43.81
Std Dev 0
4
3
2
1
0
−1
−2

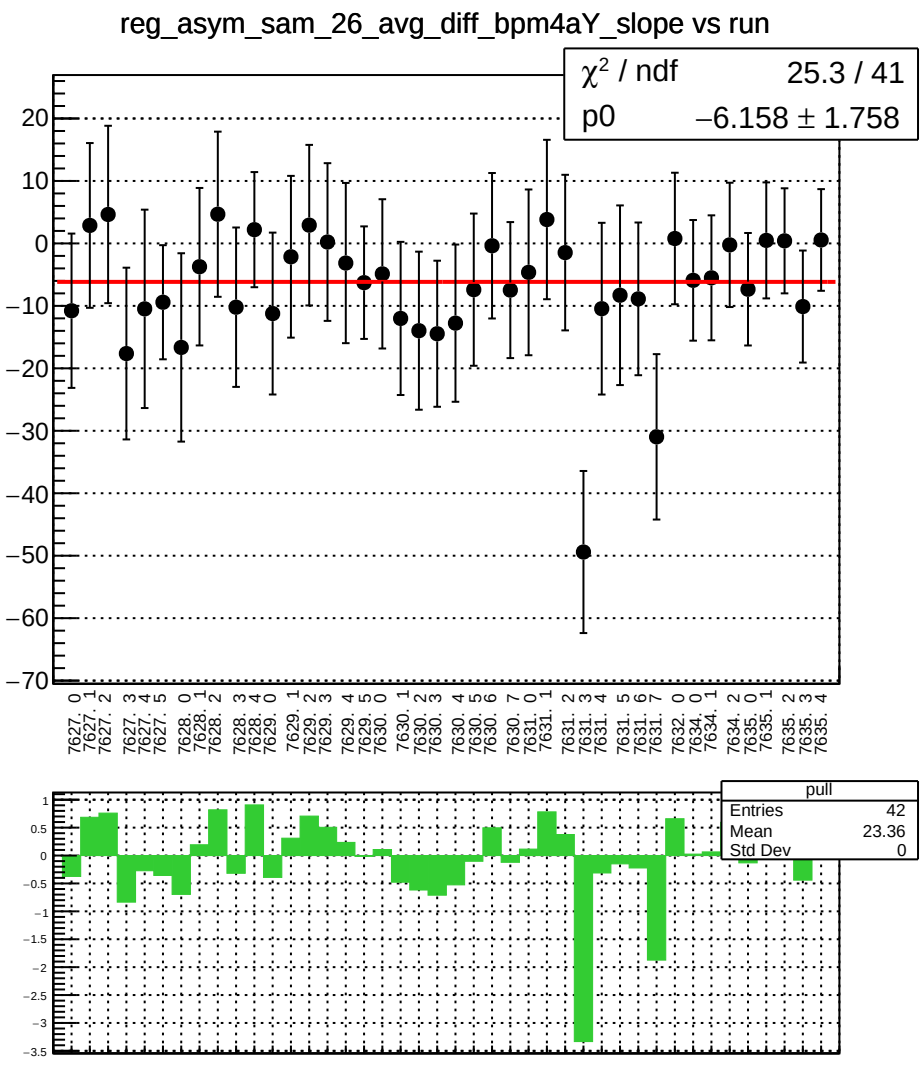

pull1D
Entries 42
Mean −0.06724
Std Dev 1.052
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

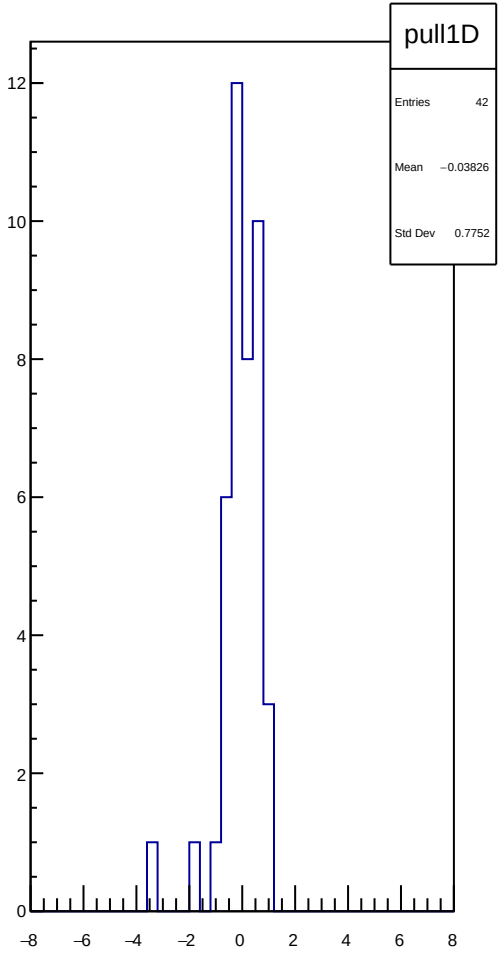

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 69.76 / 41
p0 32.11 ± 1.485
pull
Entries 42
Mean 259
Std Dev 0
pull1D
Entries 42
Mean 0.0252
Std Dev 1.289

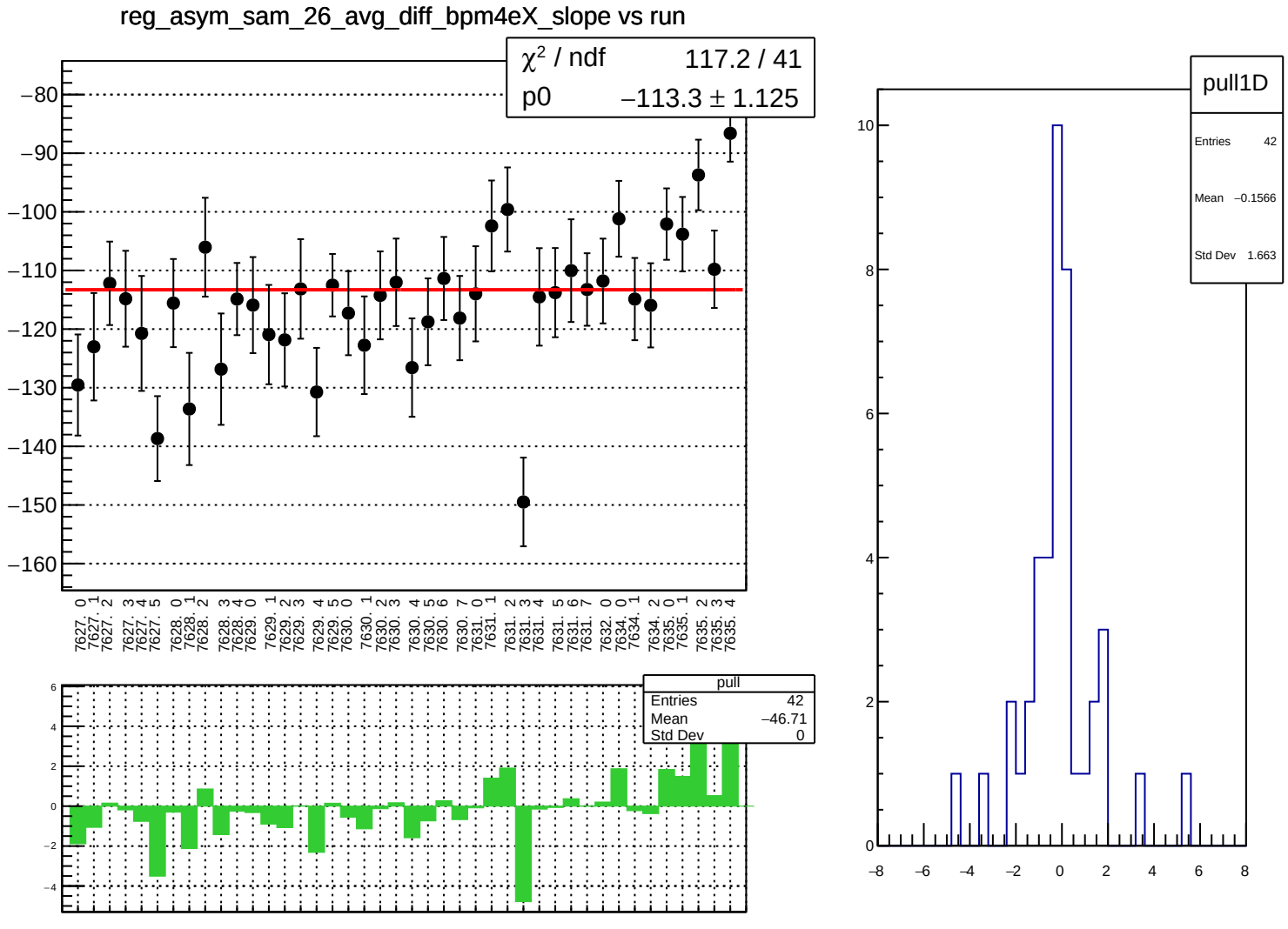

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 38.51 / 41
p0 2.265 ± 0.1026
pull
Entries 42
Mean 32.14
Std Dev 0
pull1D
Entries 42
Mean 0.1048
Std Dev 0.9518

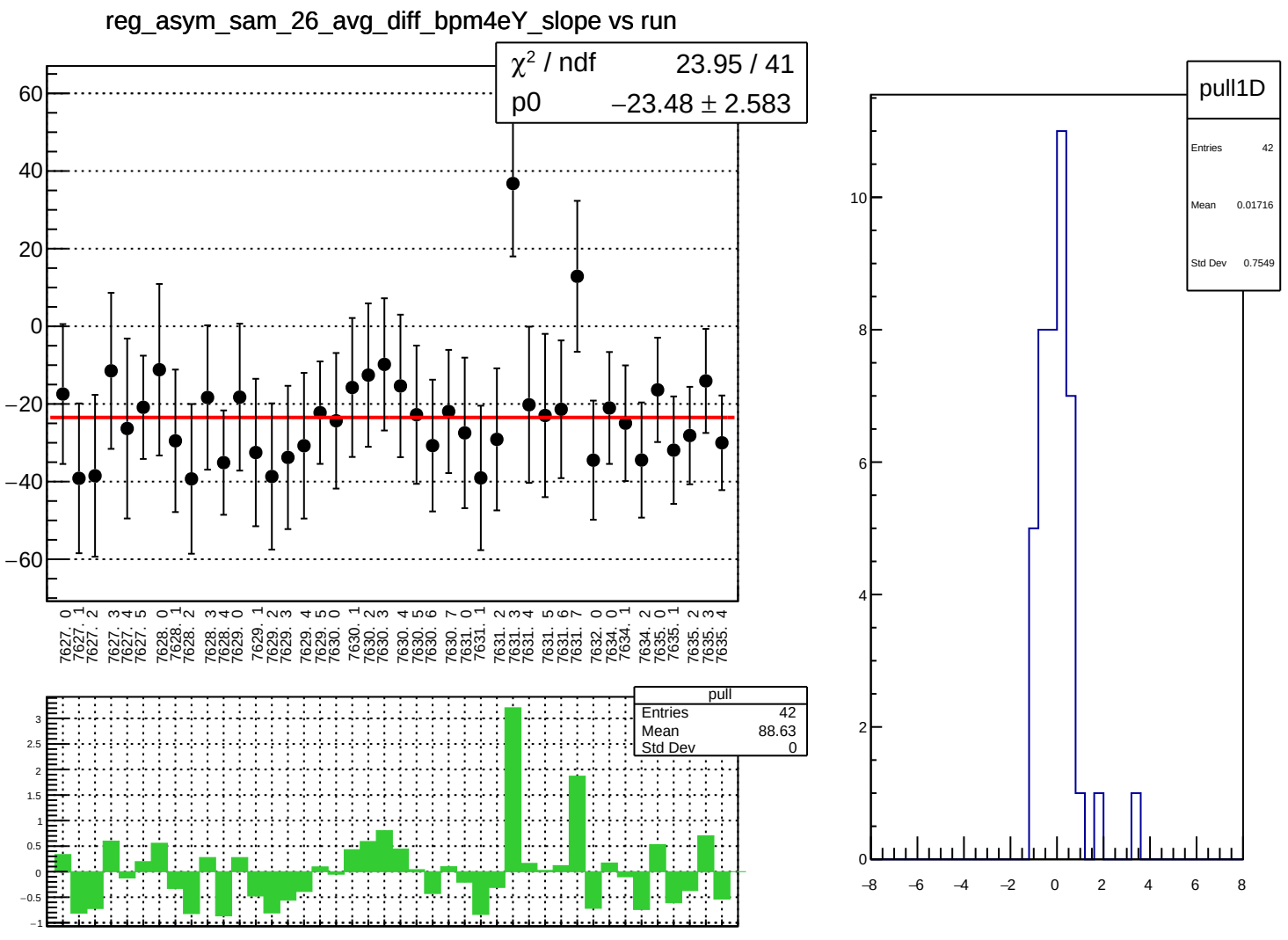

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 104.3 / 41
p0 60.39 ± 1.41
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −47.04
Std Dev 0
4
2
0
−2
−4

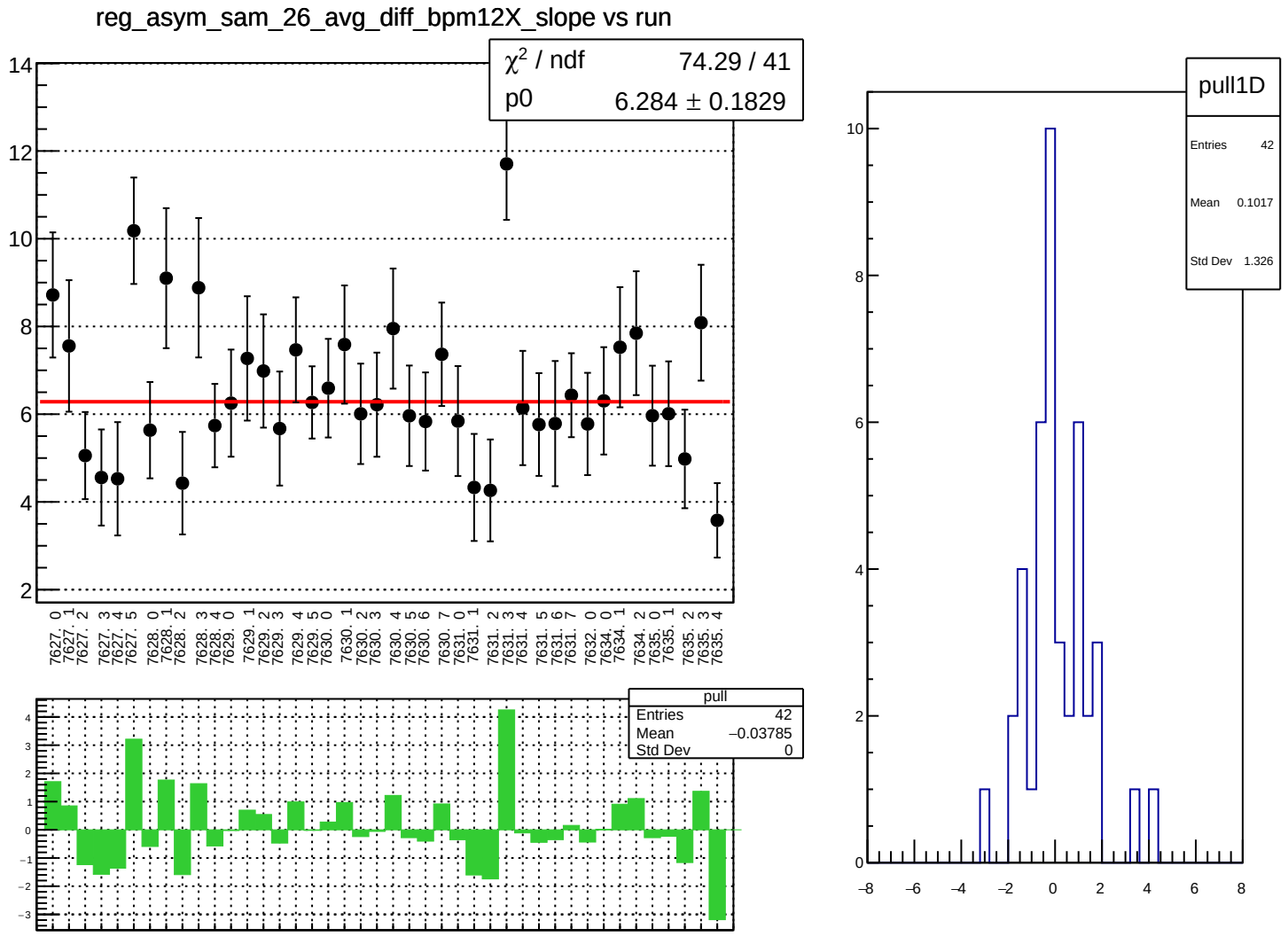

pull1D
Entries 42
Mean 0.1112
Std Dev 1.572
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

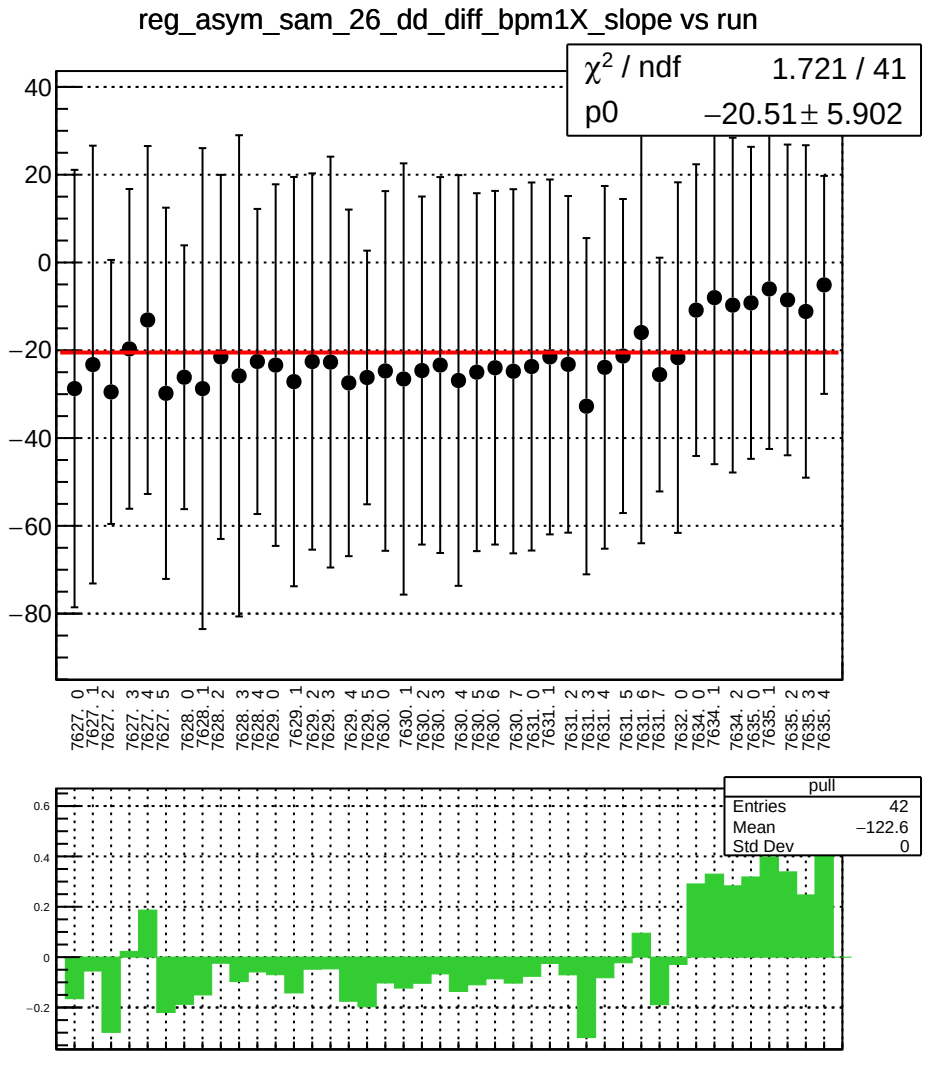

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.3 / 41
p0 −6.158 ± 1.758
pull
Entries 42
Mean 23.36
Std Dev 0

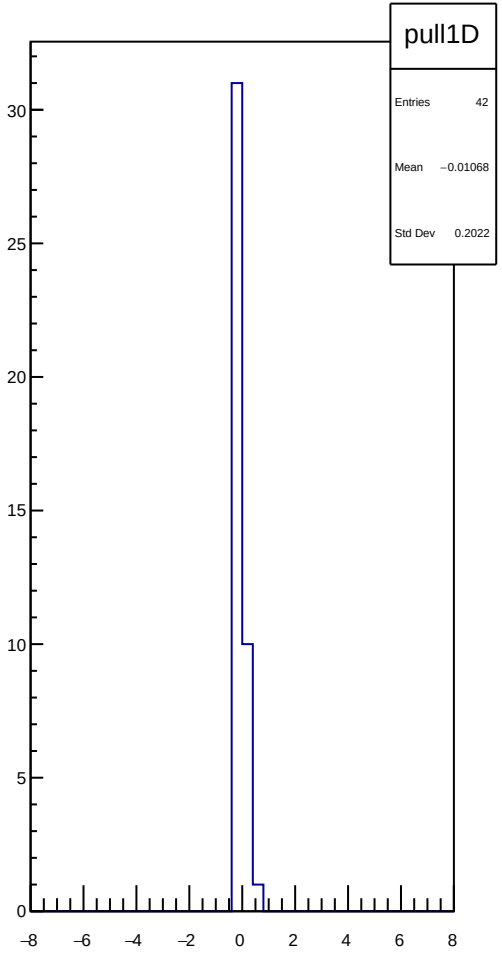

pull1D
Entries 42
Mean −0.03826
Std Dev 0.7752

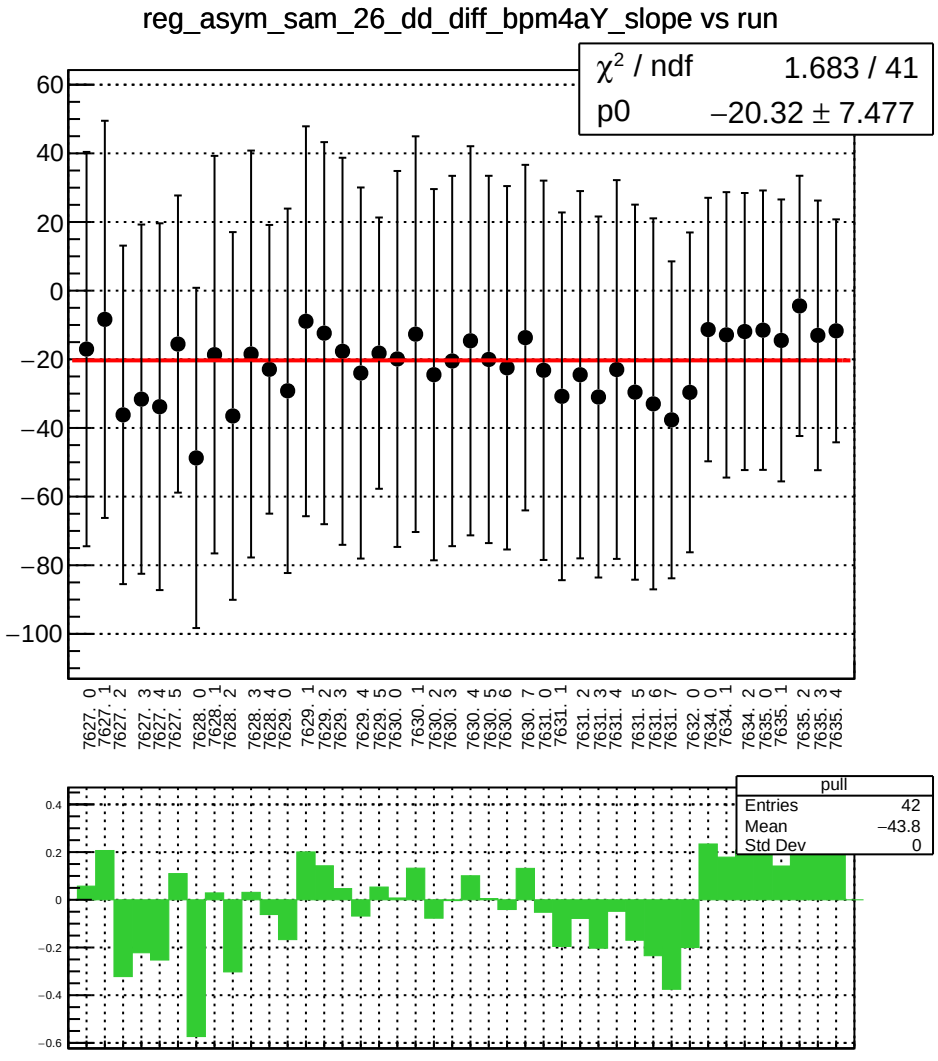

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 117.2 / 41
p0 −113.3 ± 1.125
pull
Entries 42
Mean −46.71
Std Dev 0
pull1D
Entries 42
Mean −0.1566
Std Dev 1.663

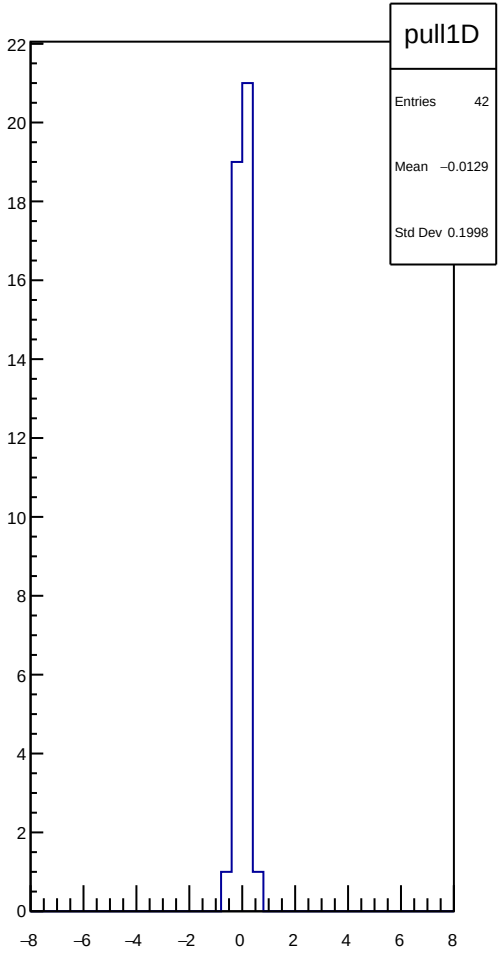

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.95 / 41
p0 −23.48 ± 2.583
pull
Entries 42
Mean 88.63
Std Dev 0
pull1D
Entries 42
Mean 0.01716
Std Dev 0.7549

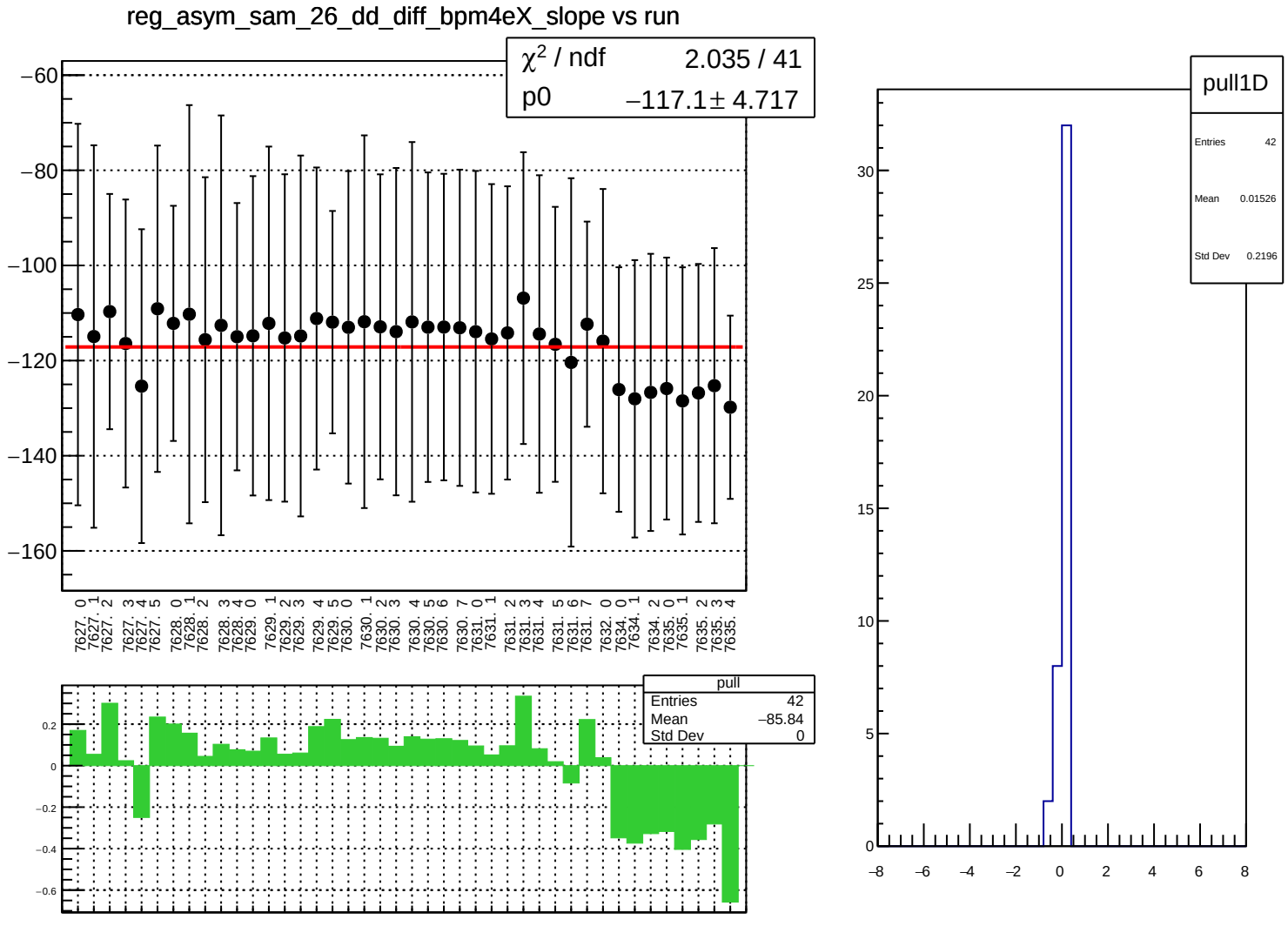

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 74.29 / 41
p0 6.284 ± 0.1829
pull
Entries 42
Mean −0.03785
Std Dev 0
pull1D
Entries 42
Mean 0.1017
Std Dev 1.326

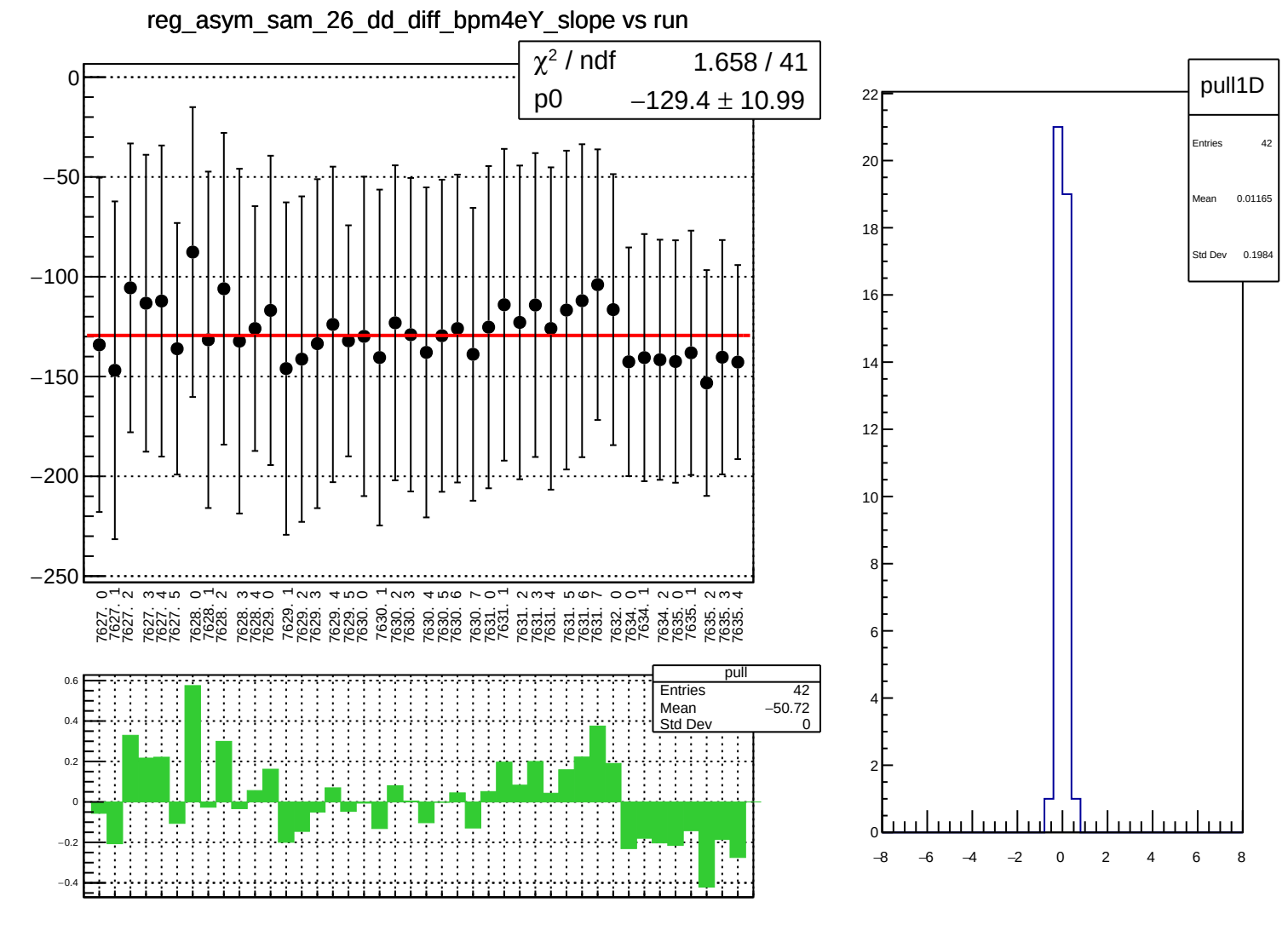

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.721 / 41
p0 −20.51 ± 5.902
pull
Entries 42
Mean −122.6
Std Dev 0

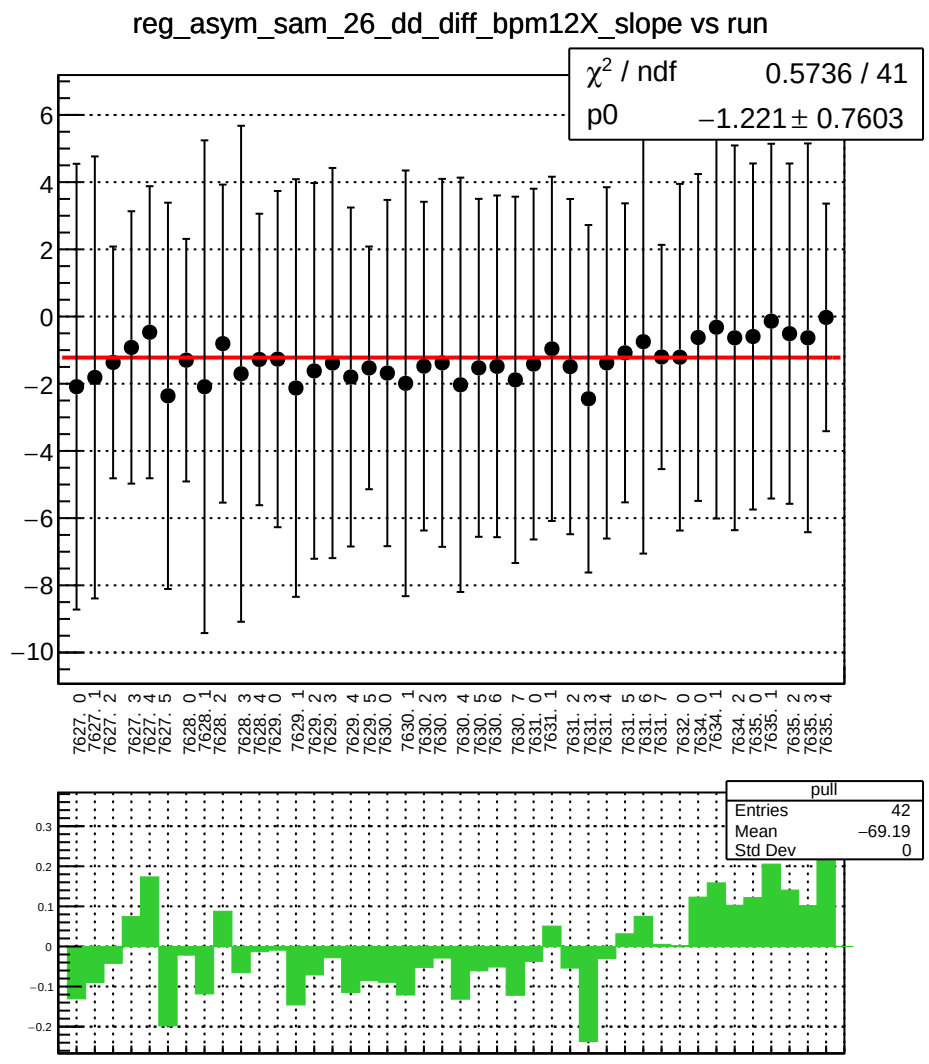

pull1D
Entries 42
Mean −0.01068
Std Dev 0.2022

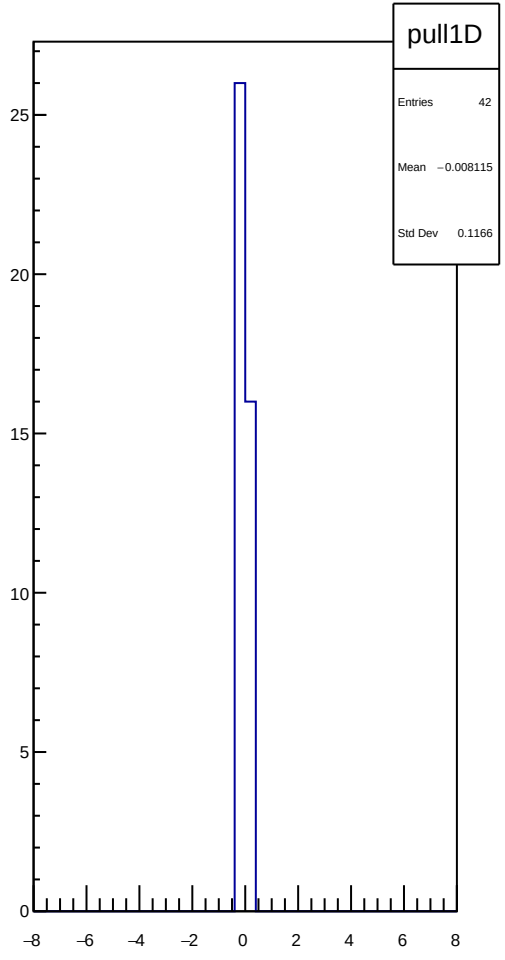

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.683 / 41
p0 −20.32 ± 7.477
pull
Entries 42
Mean −43.8
Std Dev 0

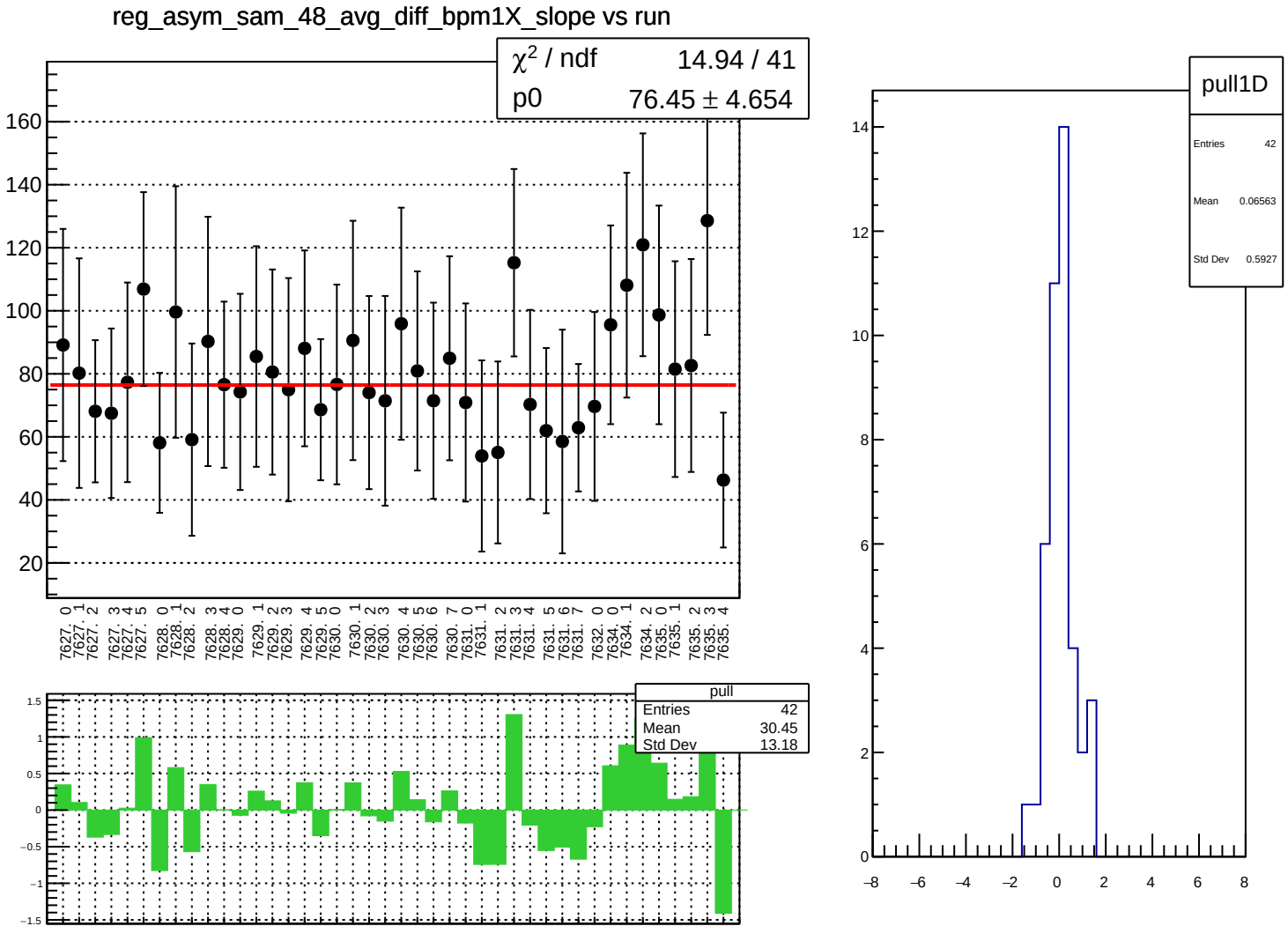

pull1D
Entries 42
Mean −0.0129
Std Dev 0.1998

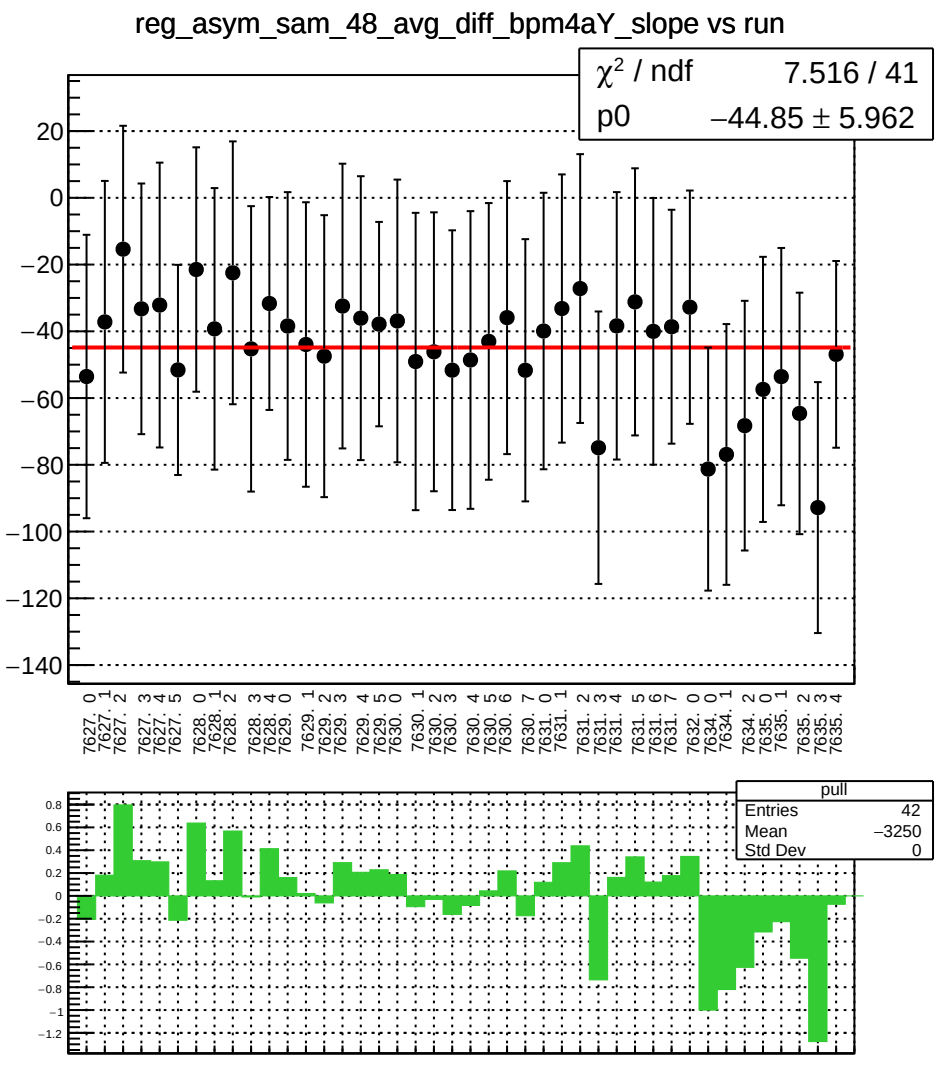

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.035 / 41
p0 −117.1 ± 4.717
−60
−80
−100
−120
−140
−160
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −85.84
Std Dev 0
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 42
Mean 0.01526
Std Dev 0.2196
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

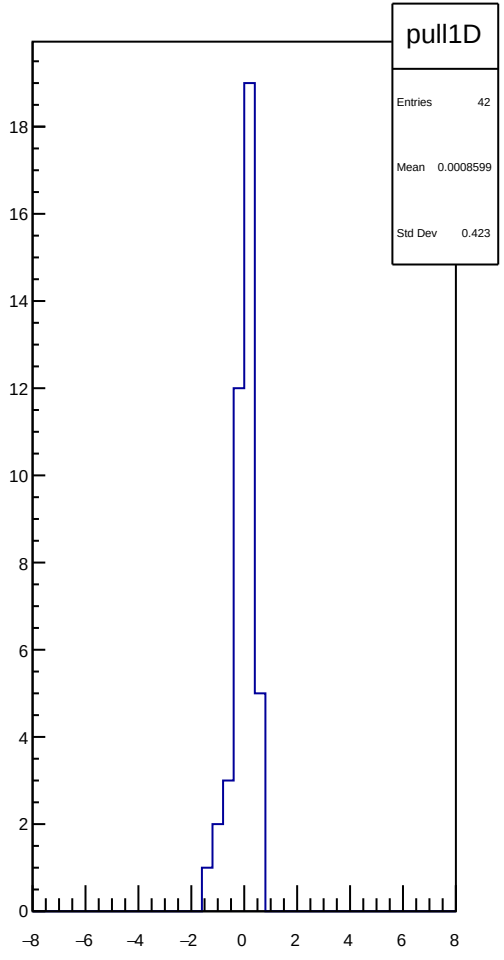

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.658 / 41
p0 −129.4 ± 10.99
pull
Entries 42
Mean −50.72
Std Dev 0
pull1D
Entries 42
Mean 0.01165
Std Dev 0.1984

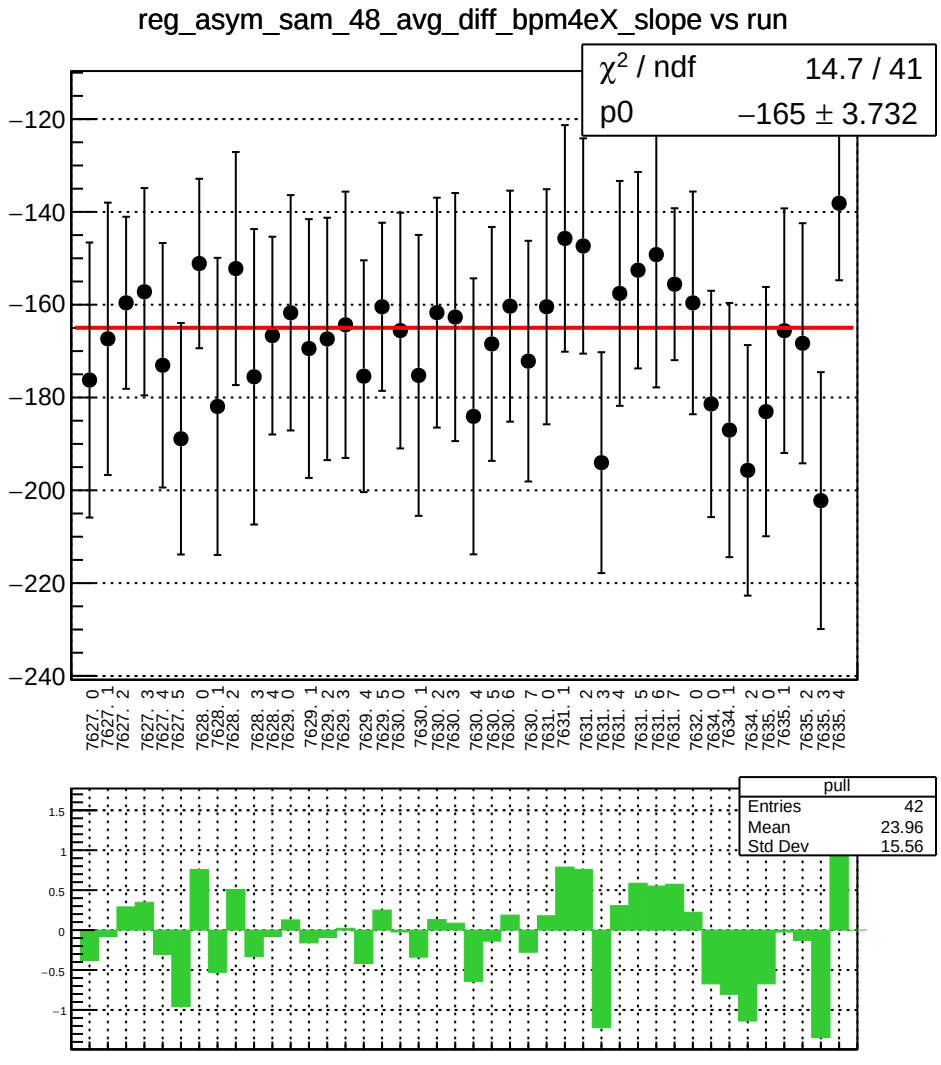

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5736 / 41
p0 −1.221 ± 0.7603
pull
Entries 42
Mean −69.19
Std Dev 0

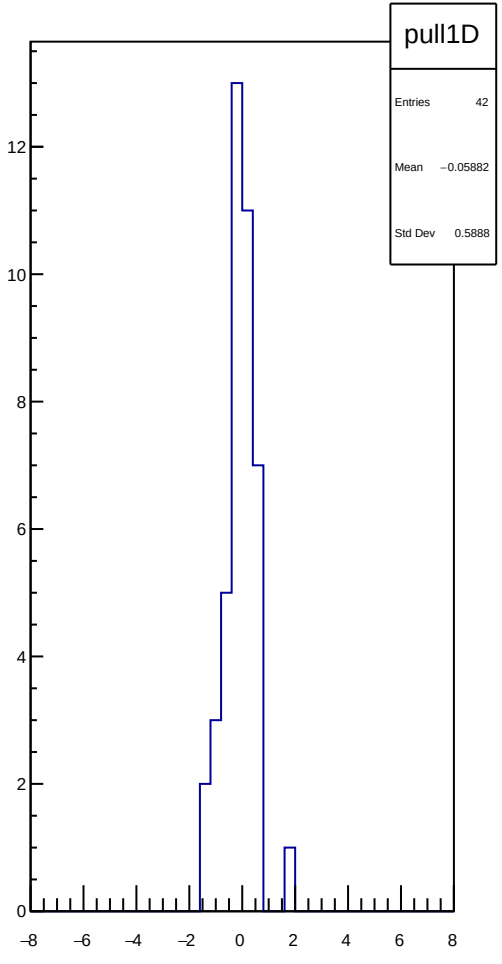

pull1D
Entries 42
Mean −0.008115
Std Dev 0.1166

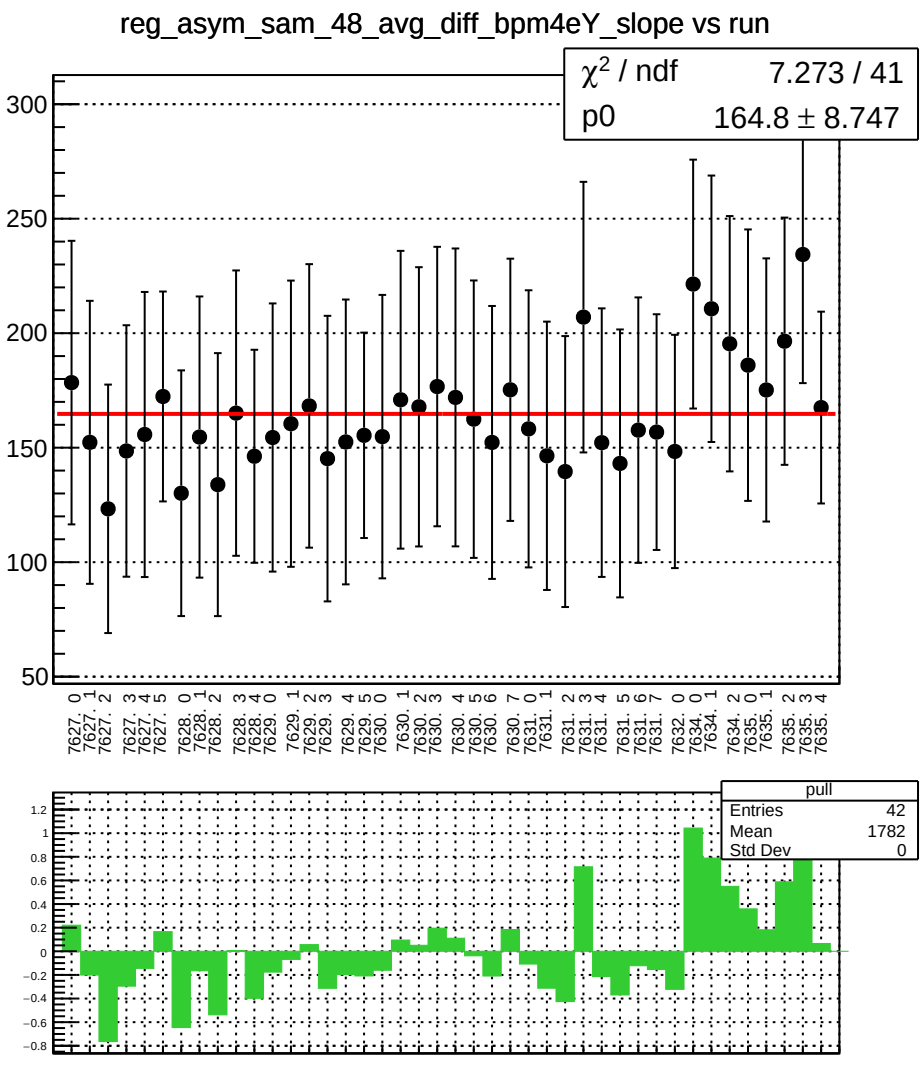

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 14.94 / 41
p0 76.45 ± 4.654
pull
Entries 42
Mean 30.45
Std Dev 13.18
pull1D
Entries 42
Mean 0.06563
Std Dev 0.5927

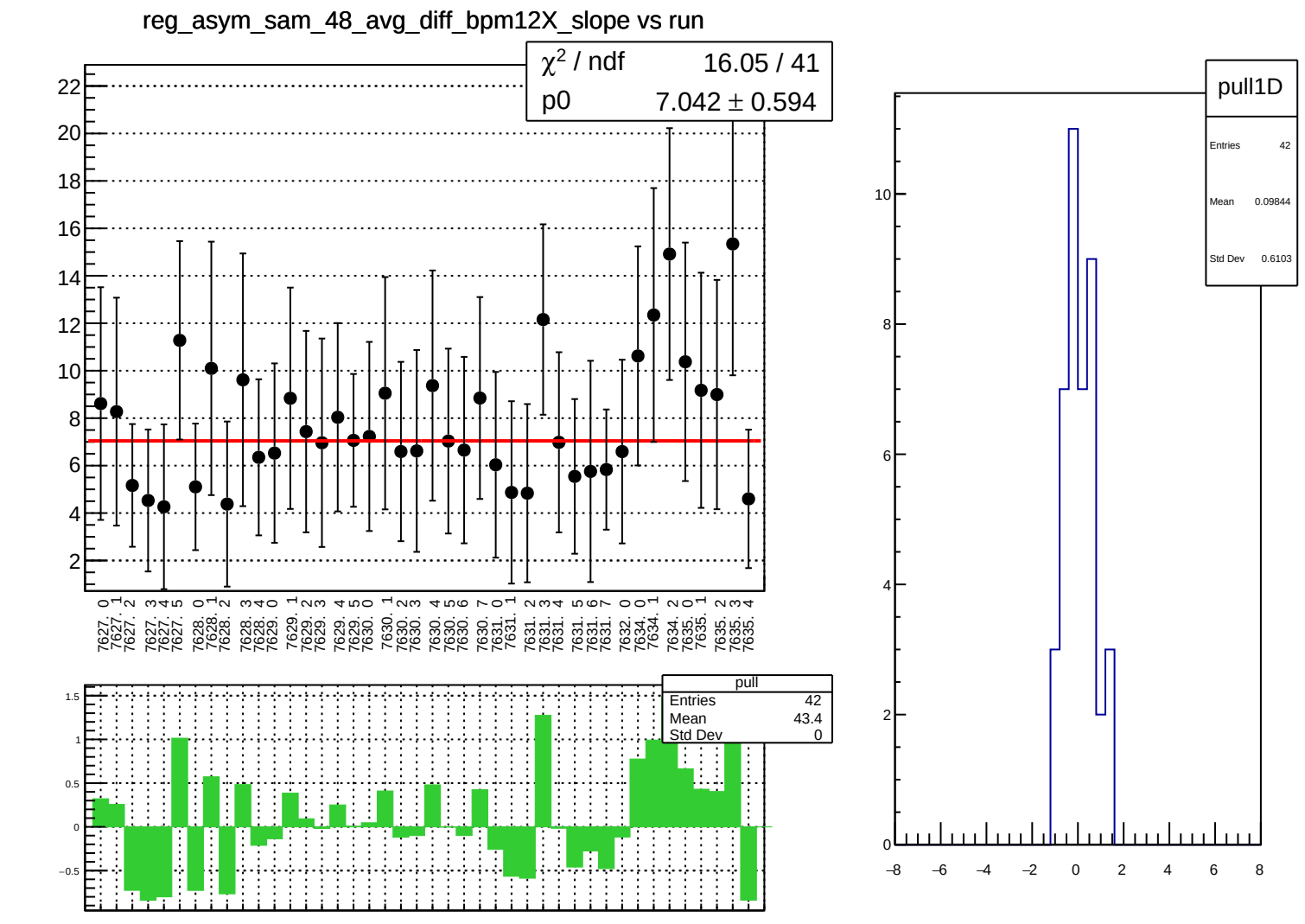

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.516 / 41
p0 −44.85 ± 5.962
pull
Entries 42
Mean −3250
Std Dev 0

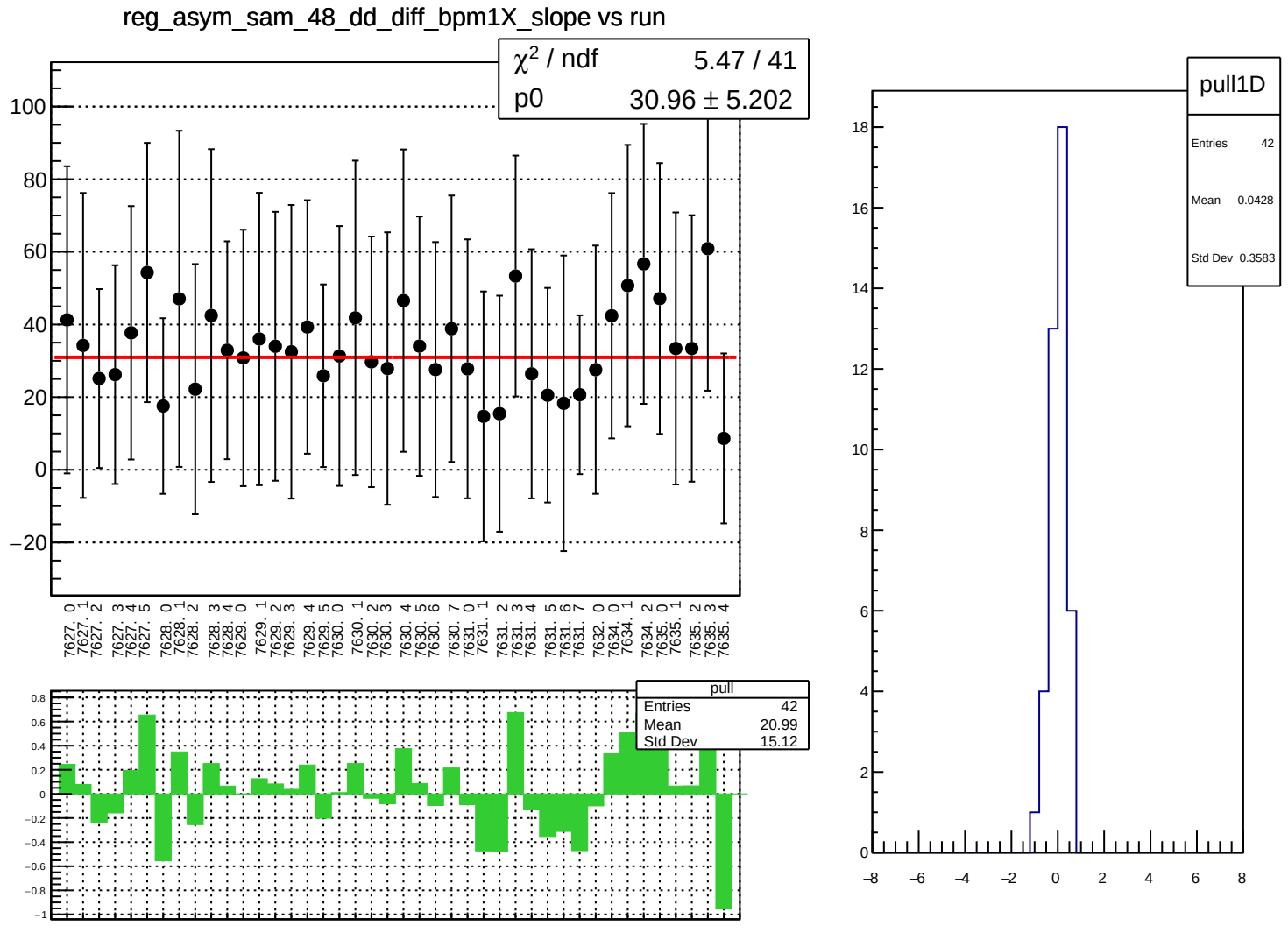

pull1D
Entries 42
Mean 0.0008599
Std Dev 0.423

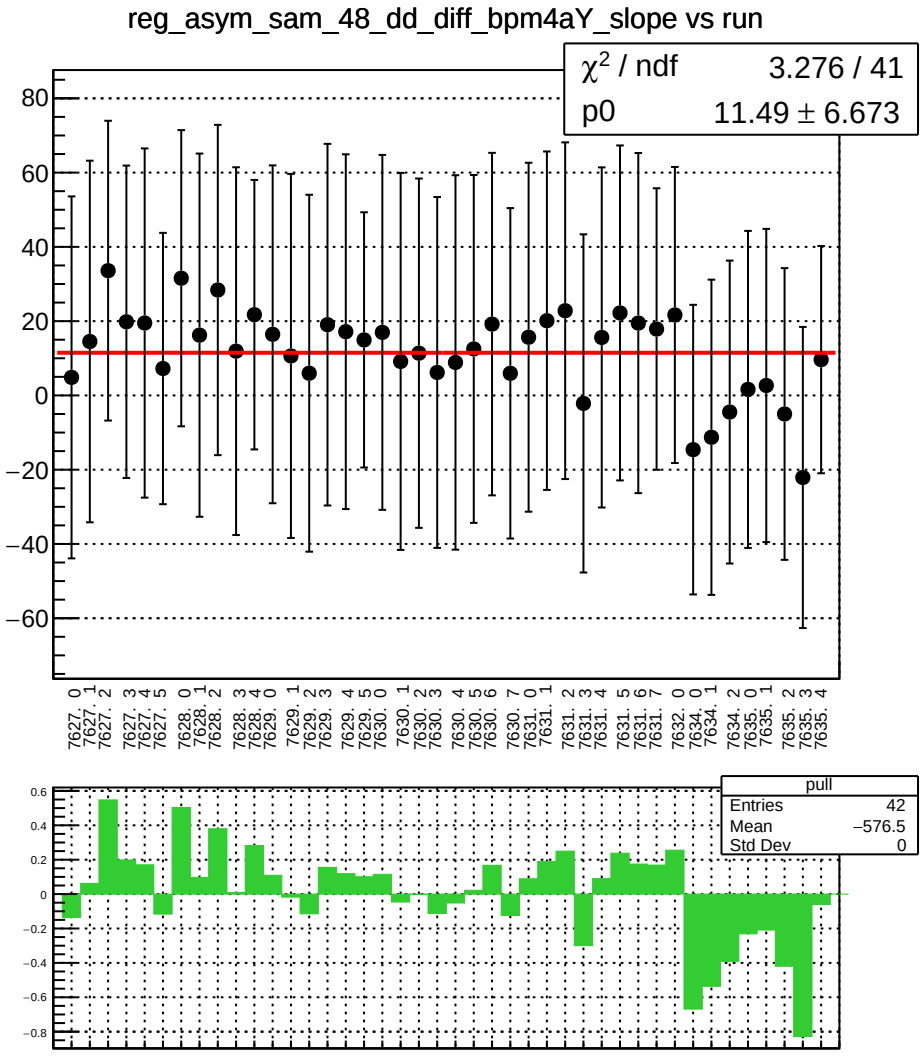

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.7 / 41
p0 −165 ± 3.732
pull
Entries 42
Mean 23.96
Std Dev 15.56

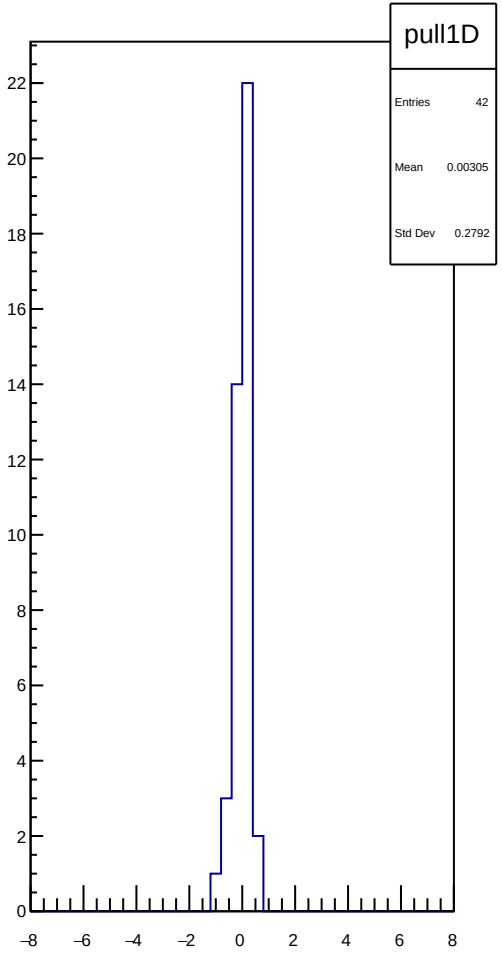

pull1D
Entries 42
Mean −0.05882
Std Dev 0.5888

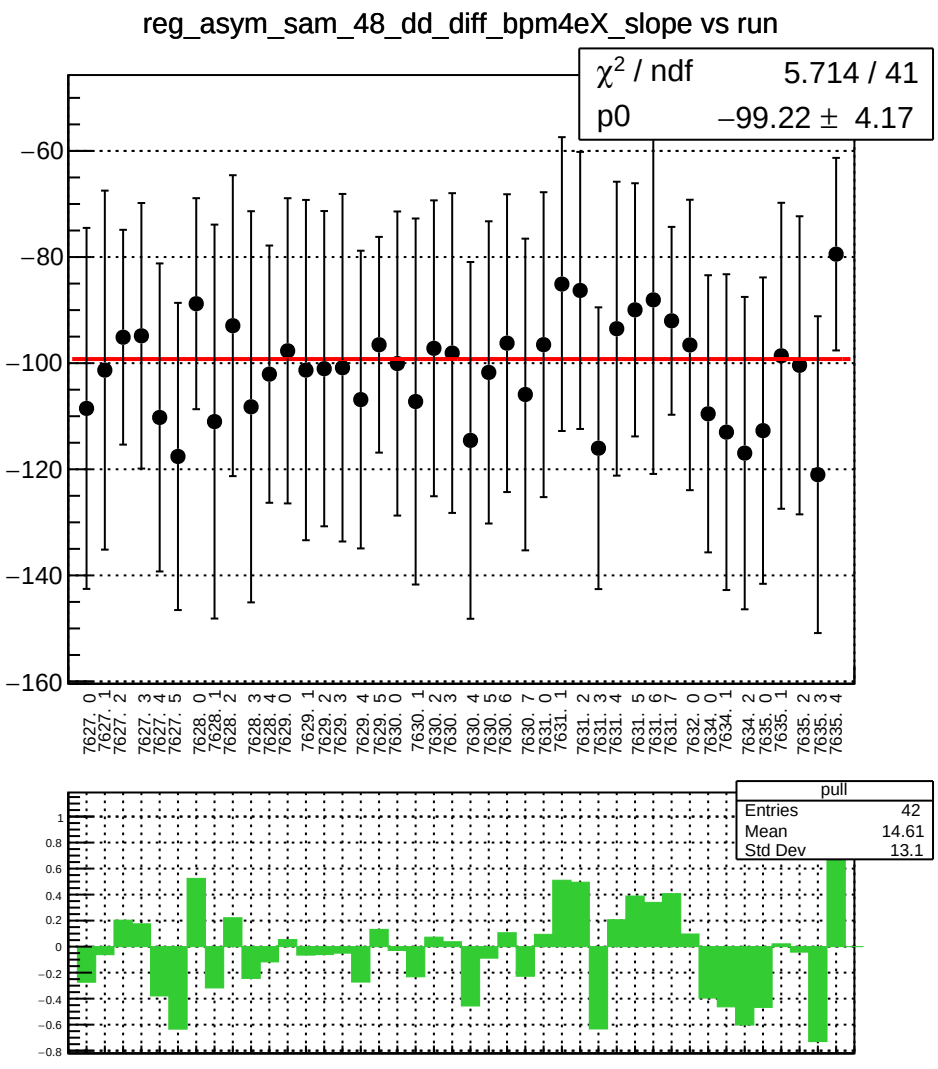

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.273 / 41
p0 164.8 ± 8.747
300
250
200
150
100
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1782
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 42
Mean 0.001549
Std Dev 0.4161
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

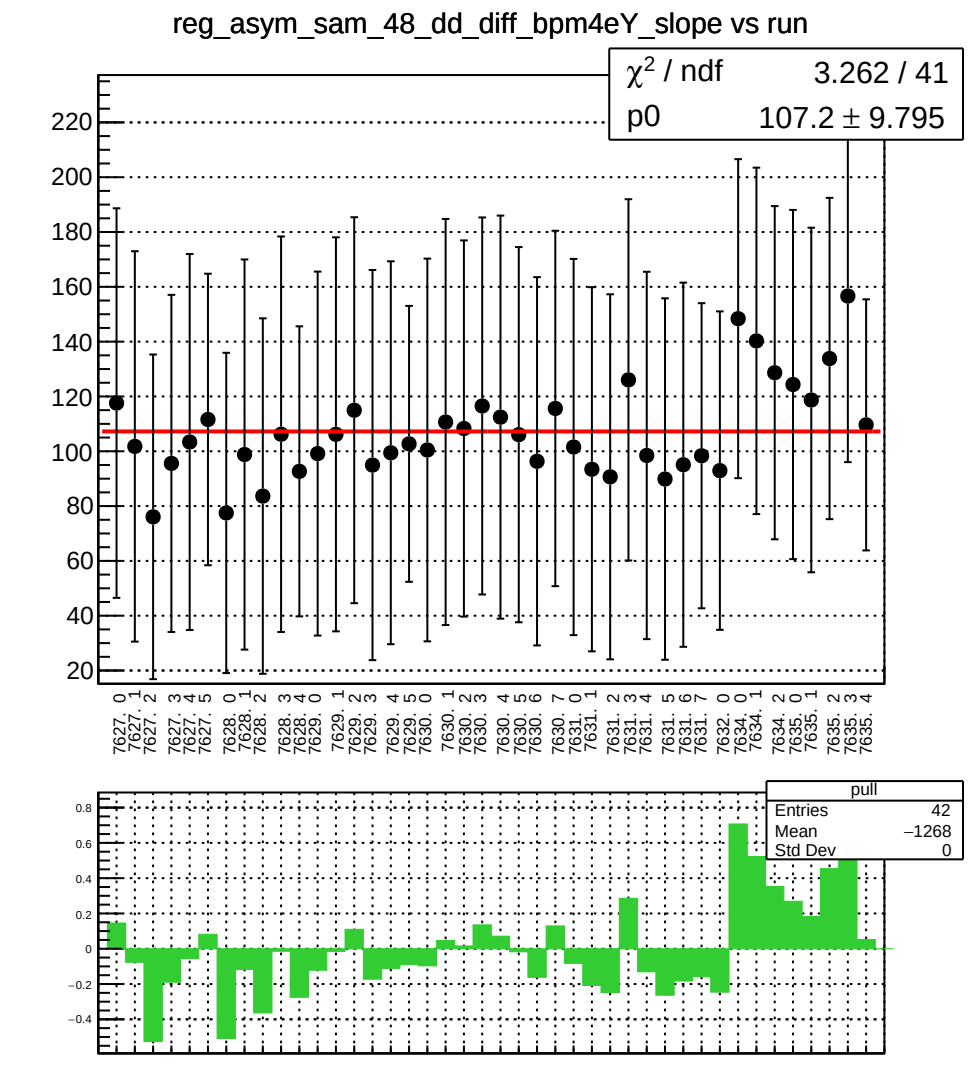

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 16.05 / 41
p0 7.042 ± 0.594
pull
Entries 42
Mean 43.4
Std Dev 0
pull1D
Entries 42
Mean 0.09844
Std Dev 0.6103

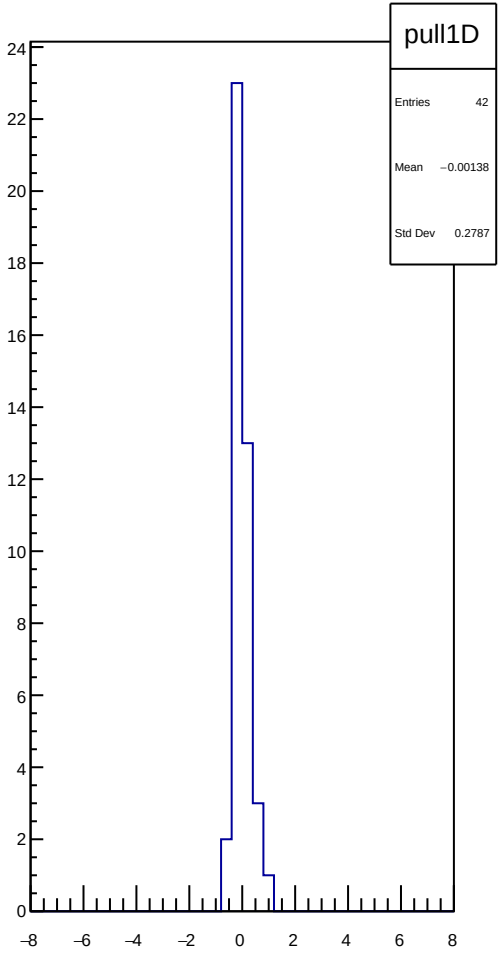

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.47 / 41
p0 30.96 ± 5.202
pull
Entries 42
Mean 20.99
Std Dev 15.12
pull1D
Entries 42
Mean 0.0428
Std Dev 0.3583

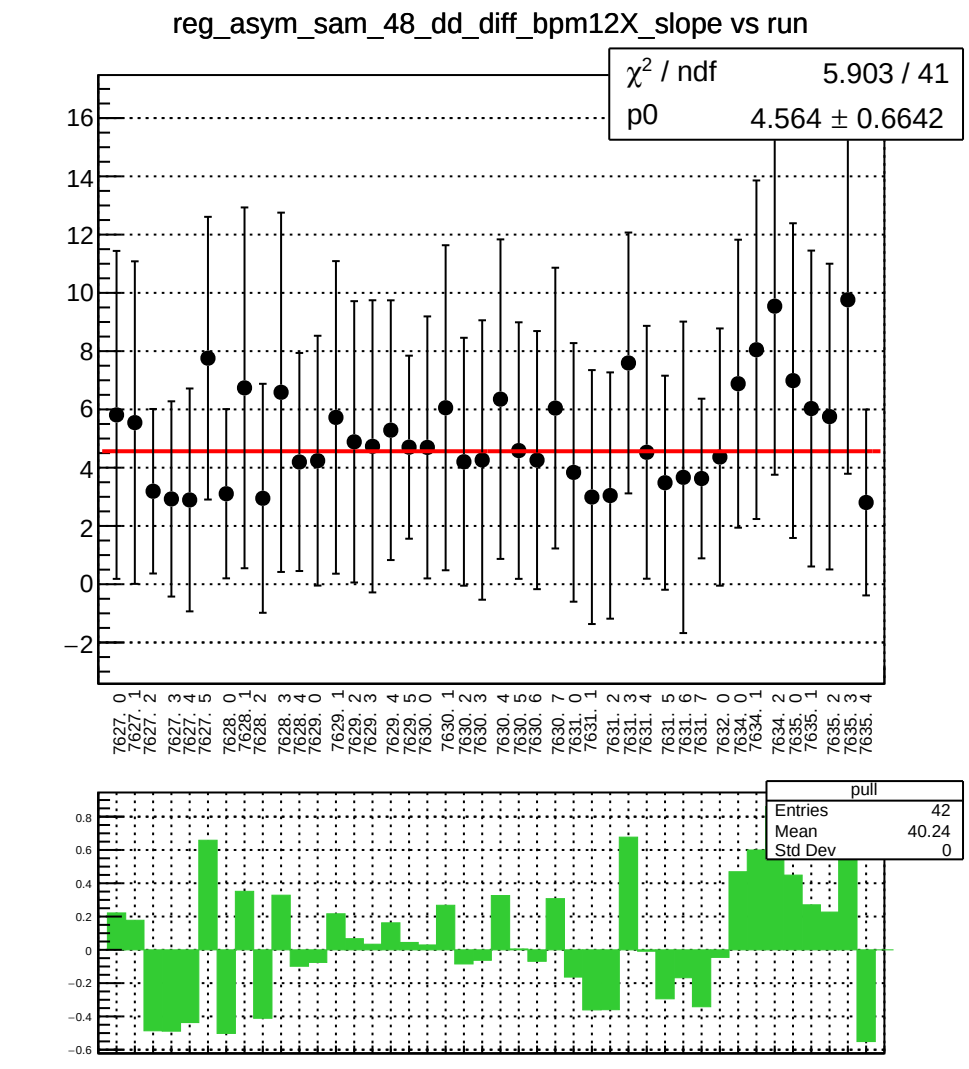

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.276 / 41
p0 11.49 ± 6.673
pull
Entries 42
Mean −576.5
Std Dev 0

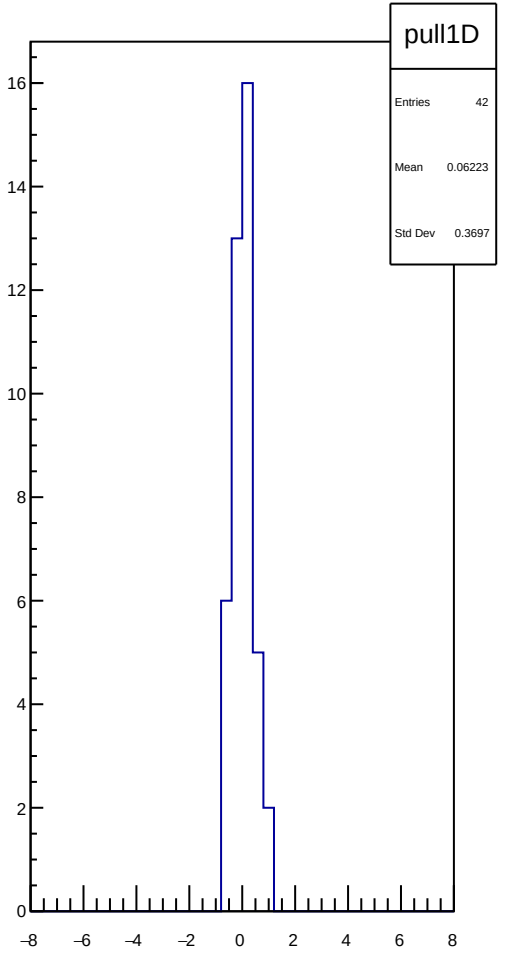

pull1D
Entries 42
Mean 0.00305
Std Dev 0.2792

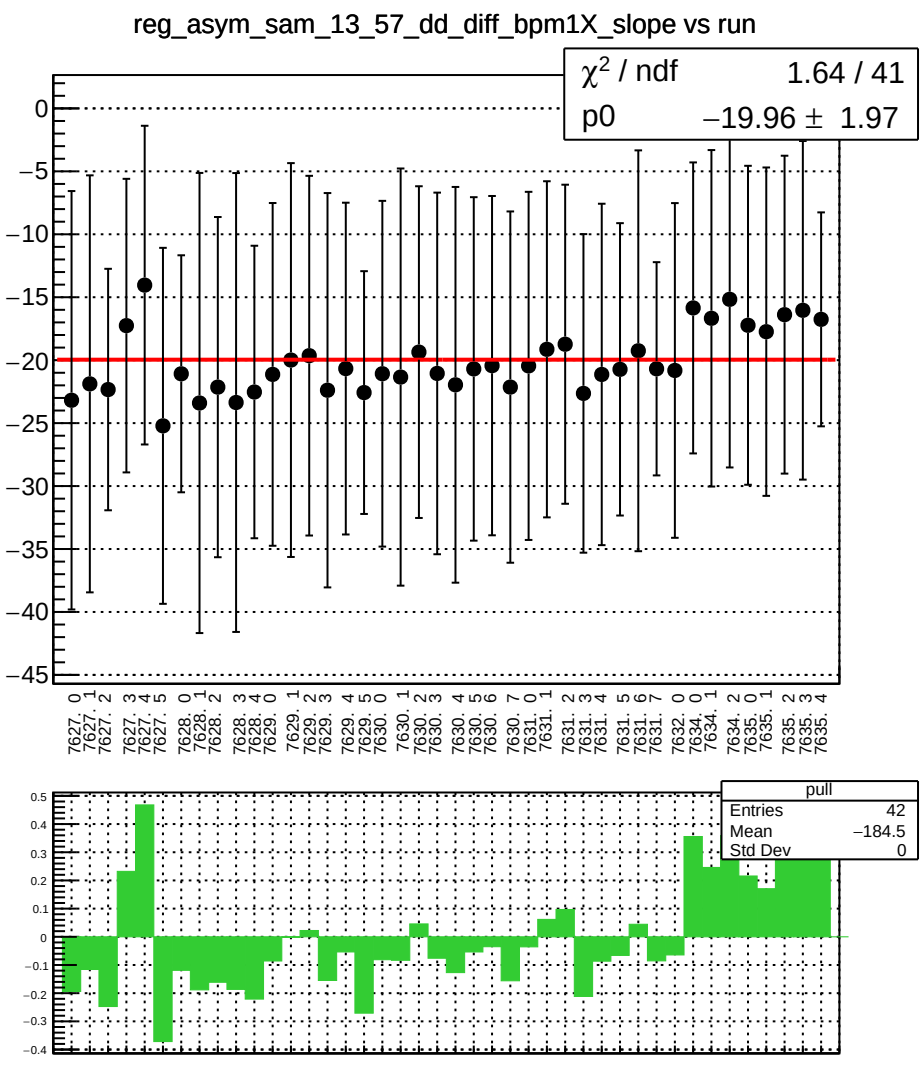

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.714 / 41
p0 −99.22 ± 4.17
−60
−80
−100
−120
−140
−160
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 14.61
Std Dev 13.1
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 42
Mean −0.03958
Std Dev 0.3667
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

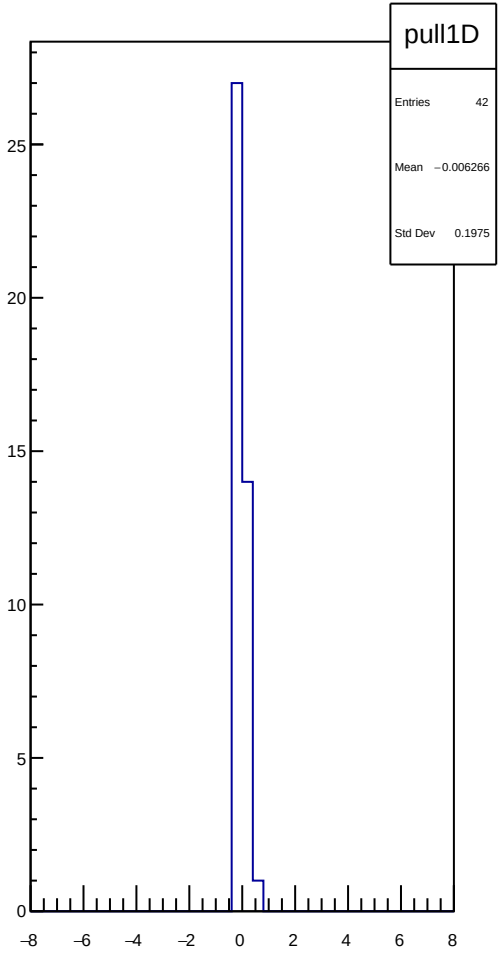

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.262 / 41
p0 107.2 ± 9.795
pull
Entries 42
Mean −1268
Std Dev 0

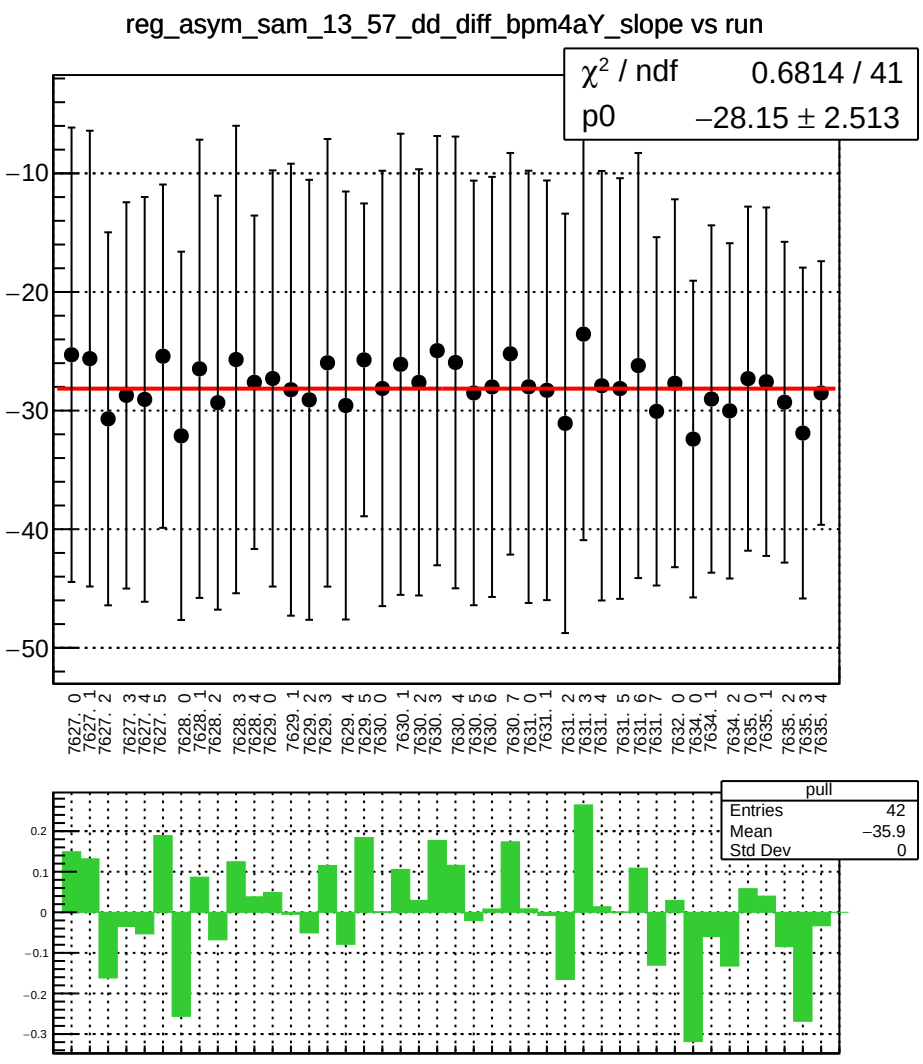

pull1D
Entries 42
Mean −0.00138
Std Dev 0.2787

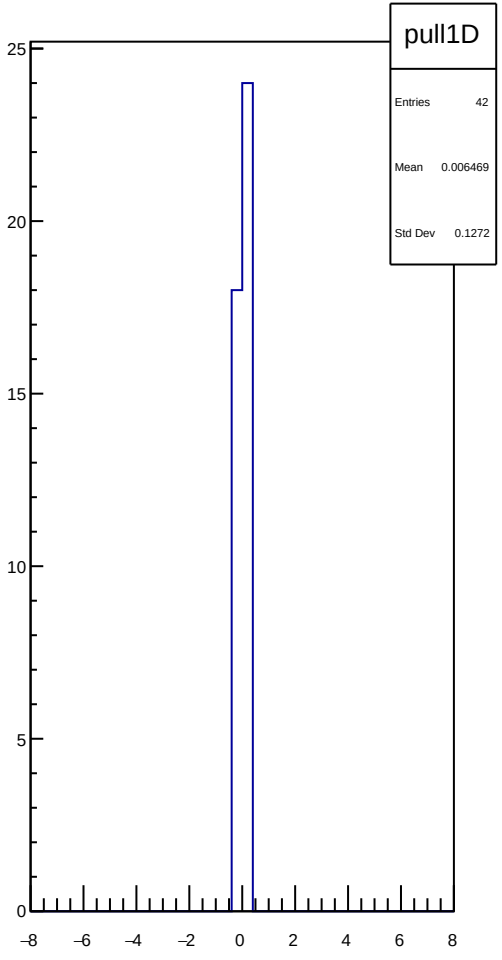

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.903 / 41
p0 4.564 ± 0.6642
pull
Entries 42
Mean 40.24
Std Dev 0

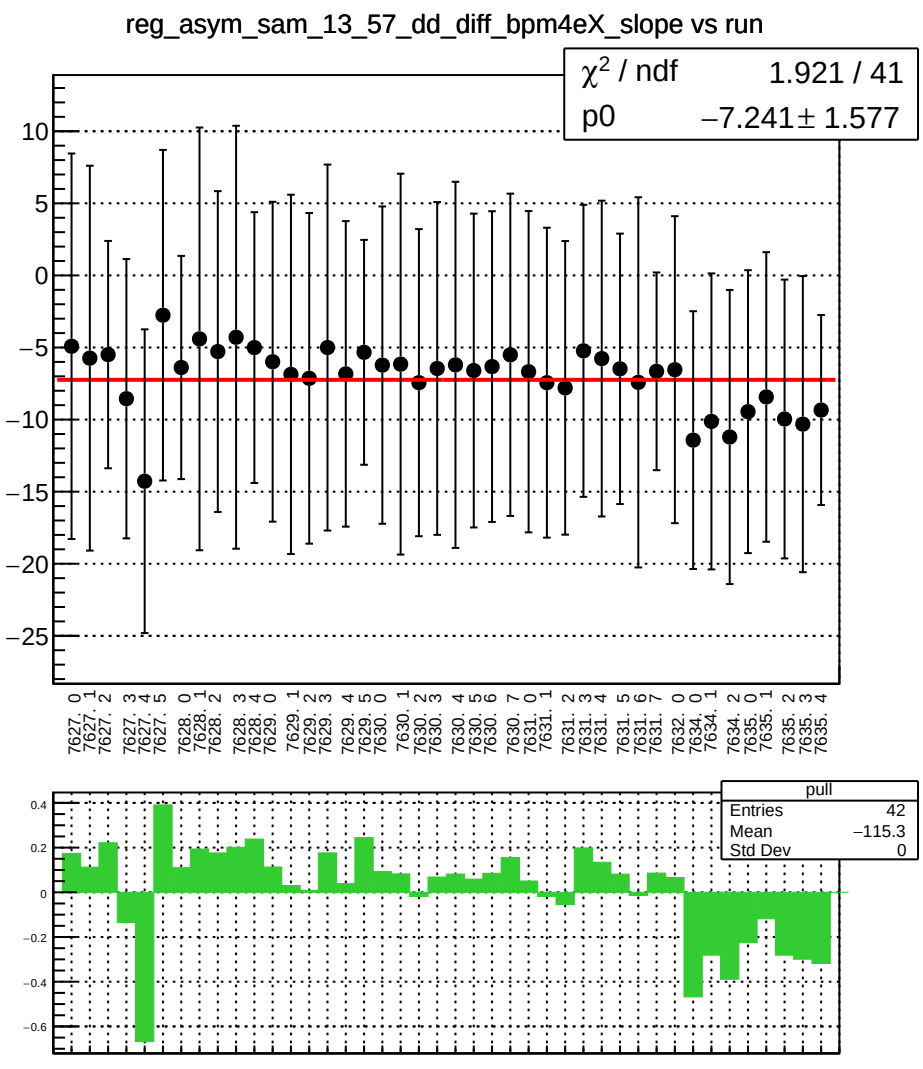

pull1D
Entries 42
Mean 0.06223
Std Dev 0.3697

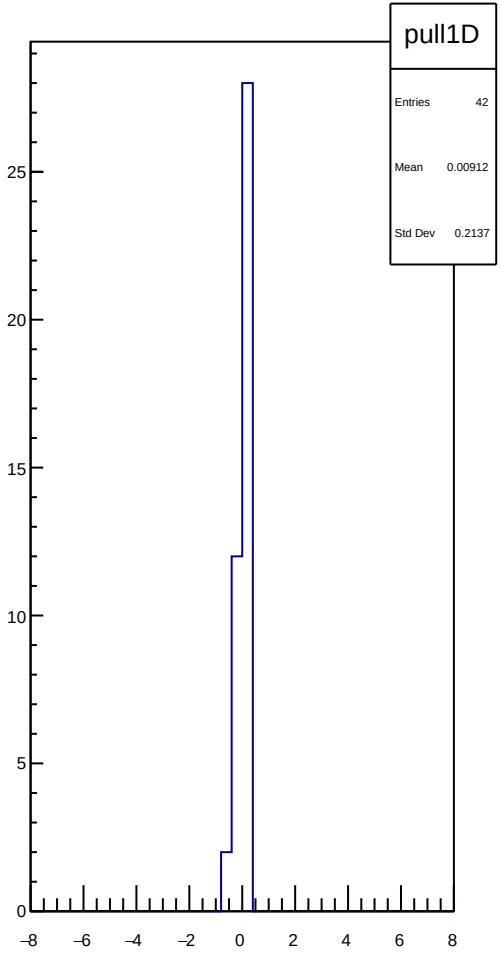

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 1.64 / 41
p0 −19.96 ± 1.97
pull
Entries 42
Mean −184.5
Std Dev 0

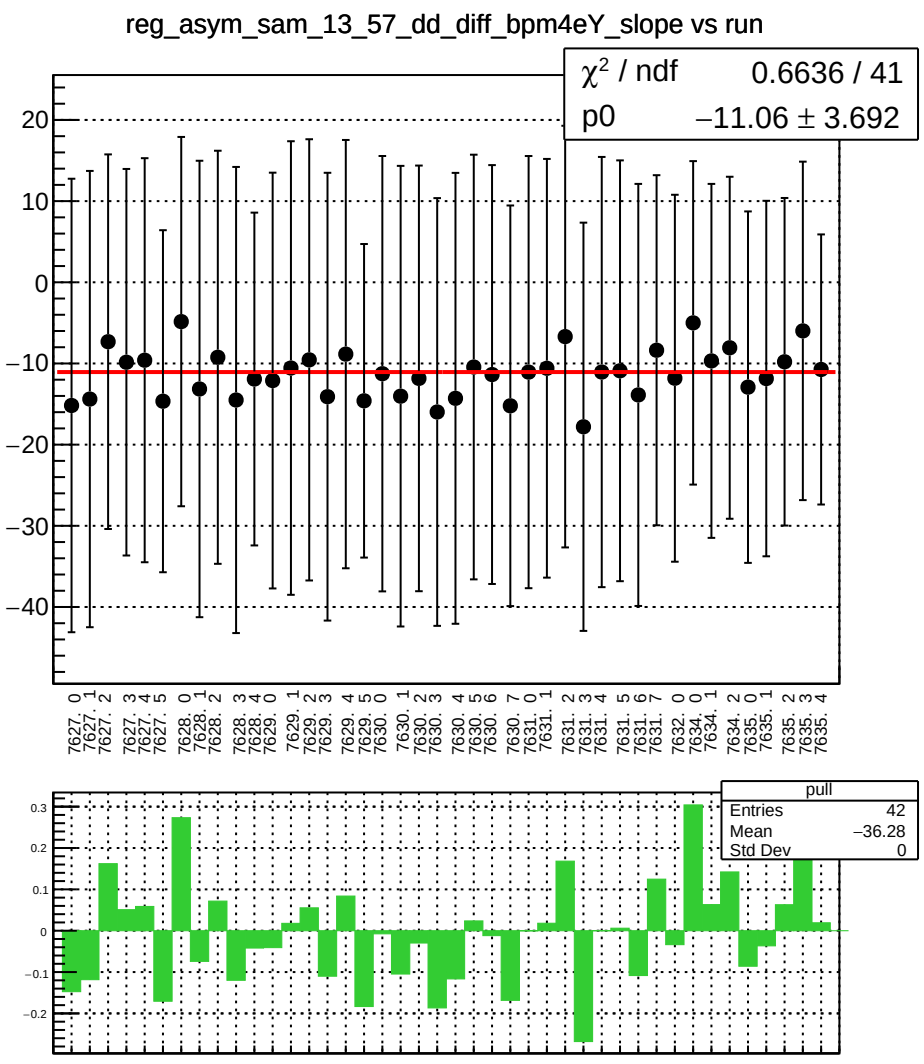

pull1D
Entries 42
Mean −0.006266
Std Dev 0.1975

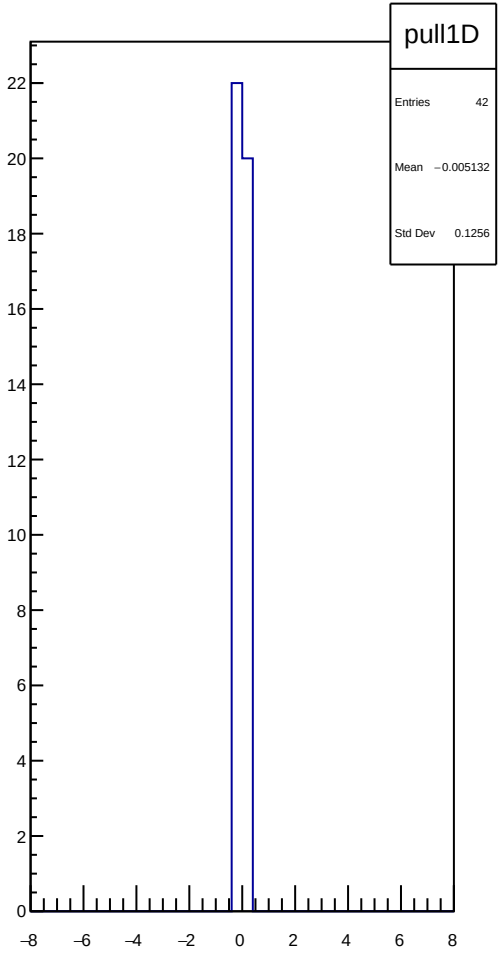

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.6814 / 41
p0 −28.15 ± 2.513
pull
Entries 42
Mean −35.9
Std Dev 0

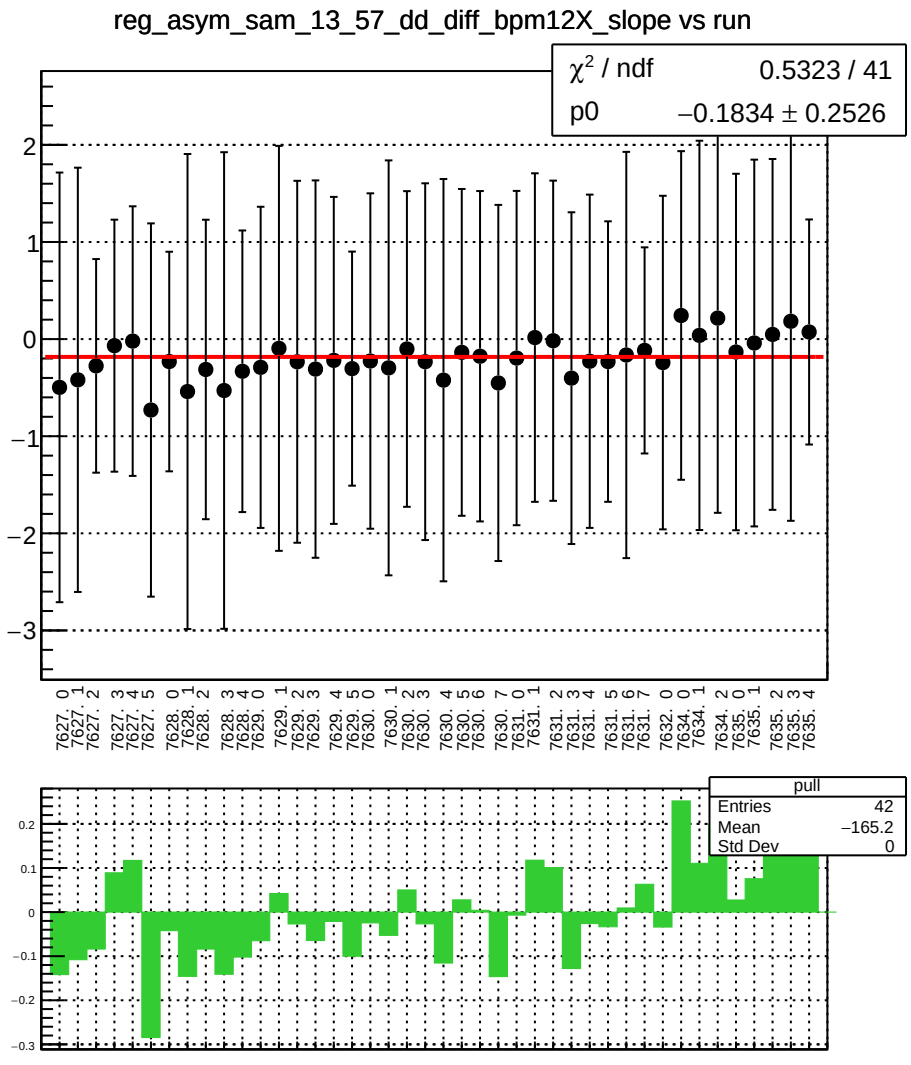

pull1D
Entries 42
Mean 0.006469
Std Dev 0.1272

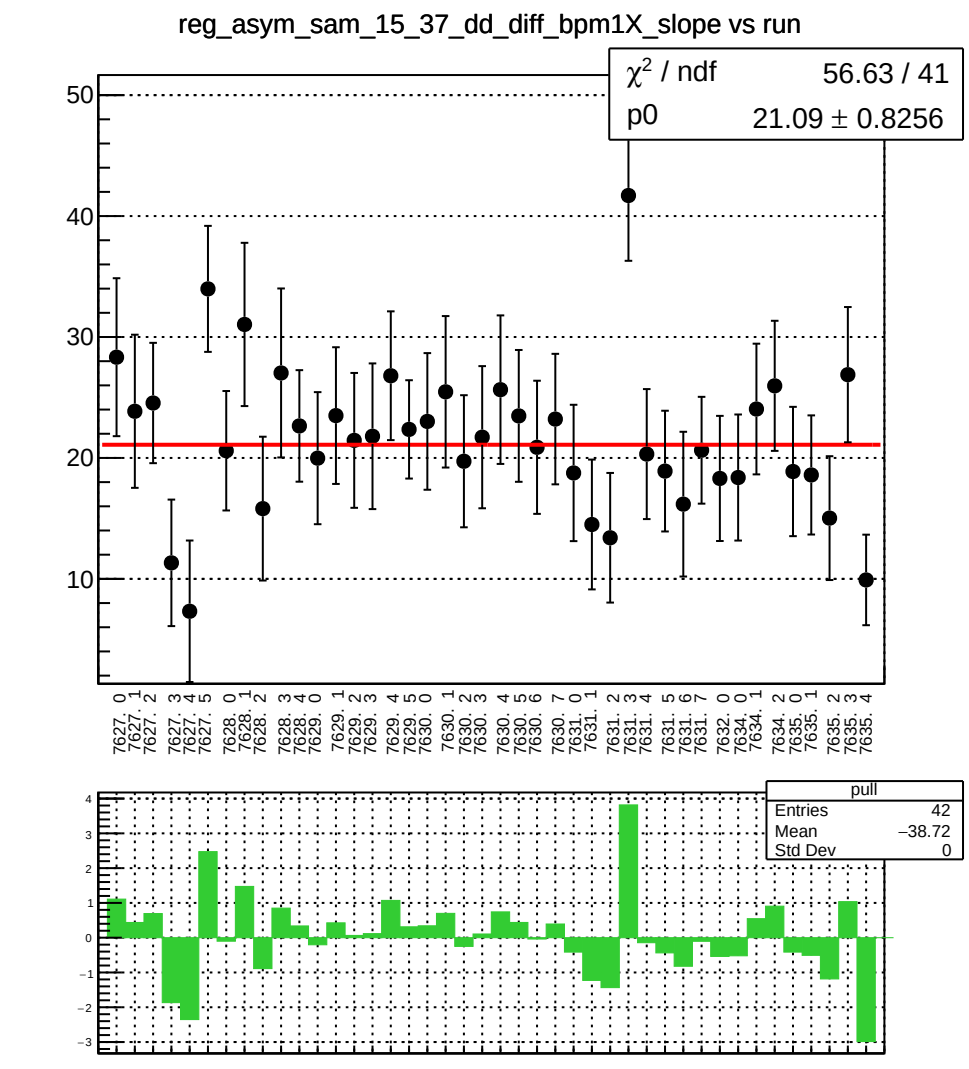

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.921 / 41
p0 −7.241± 1.577
pull
Entries 42
Mean −115.3
Std Dev 0

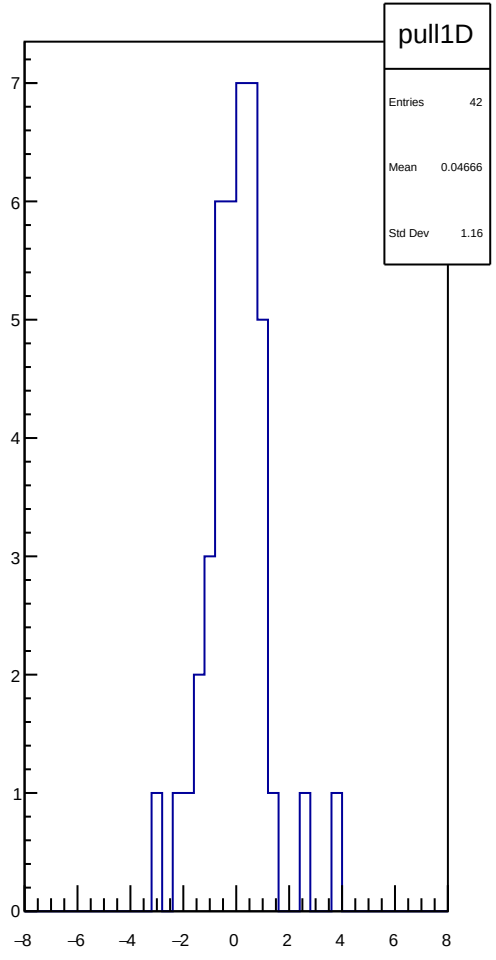

pull1D
Entries 42
Mean 0.00912
Std Dev 0.2137

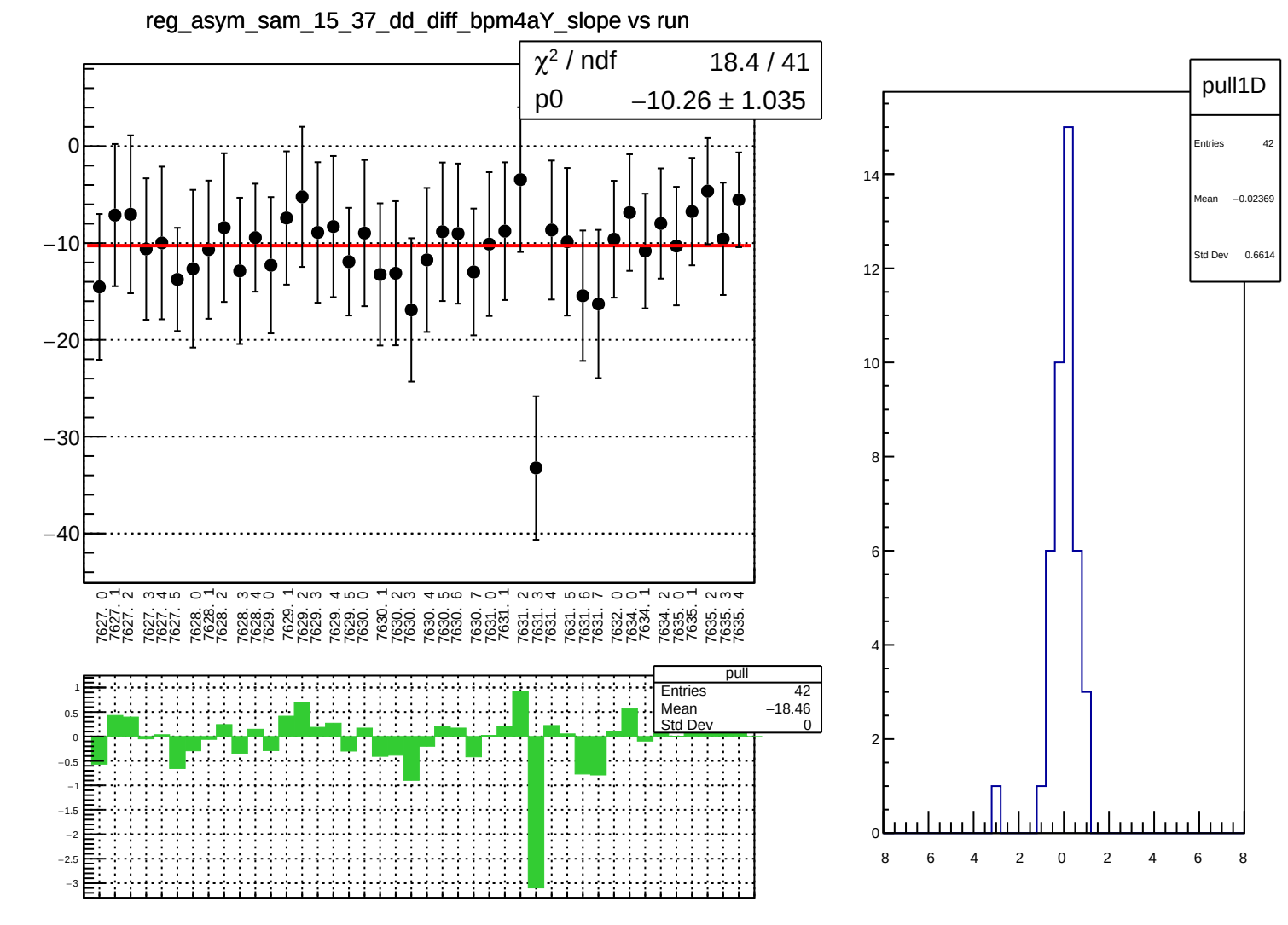

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.6636 / 41
p0 −11.06 ± 3.692
pull
Entries 42
Mean −36.28
Std Dev 0

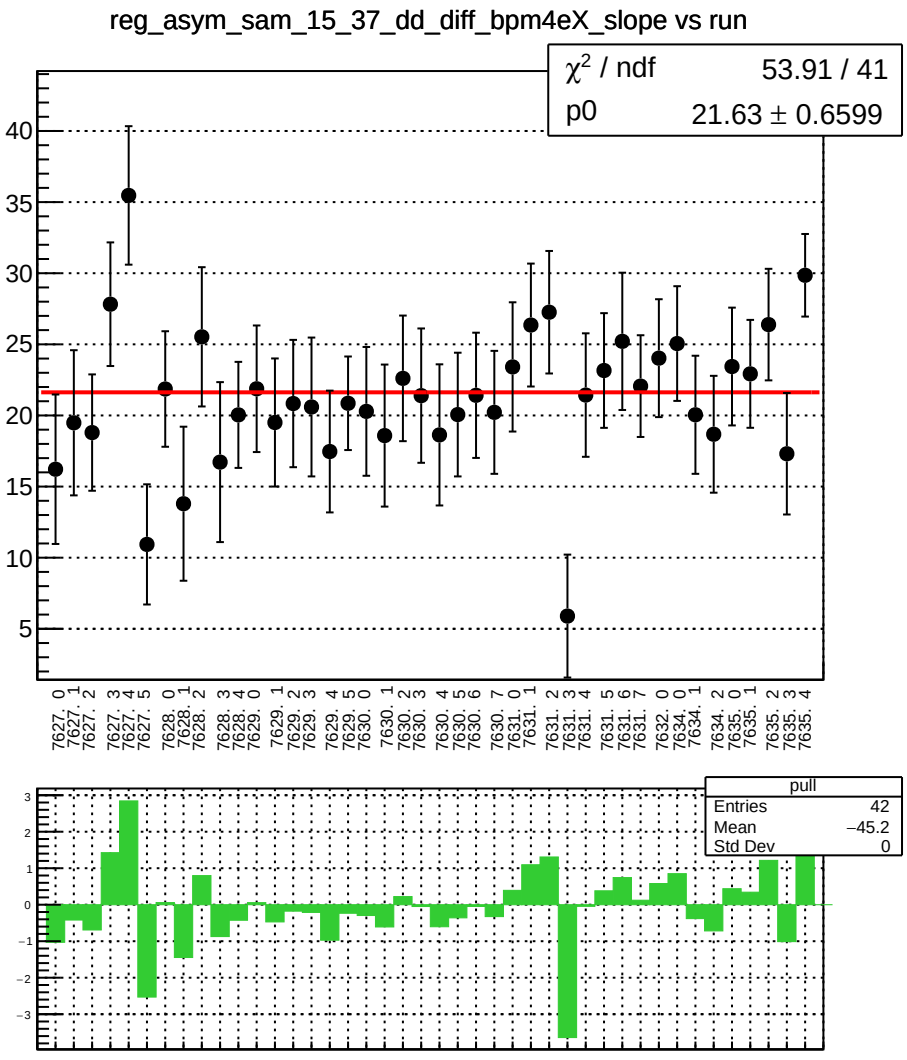

pull1D
Entries 42
Mean −0.005132
Std Dev 0.1256

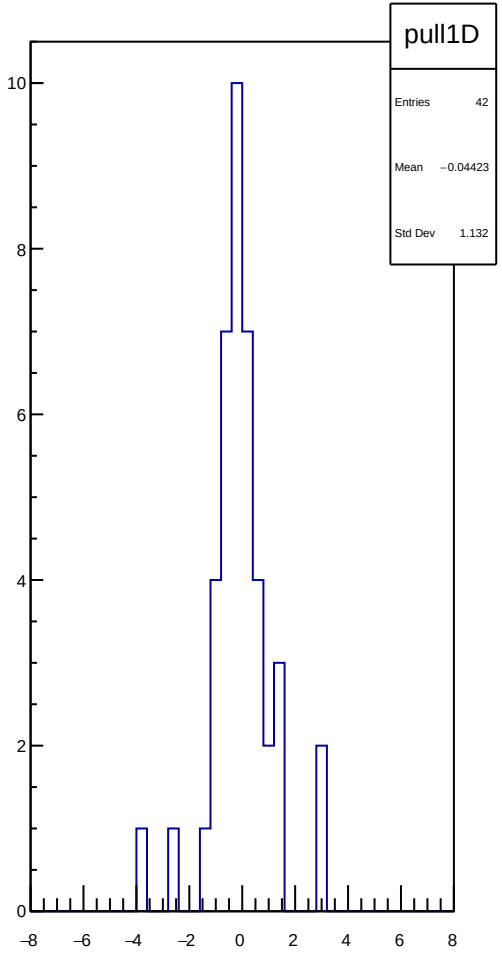

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5323 / 41
p0 −0.1834 ± 0.2526
pull
Entries 42
Mean −165.2
Std Dev 0
pull1D
Entries 42
Mean −0.004518
Std Dev 0.1125

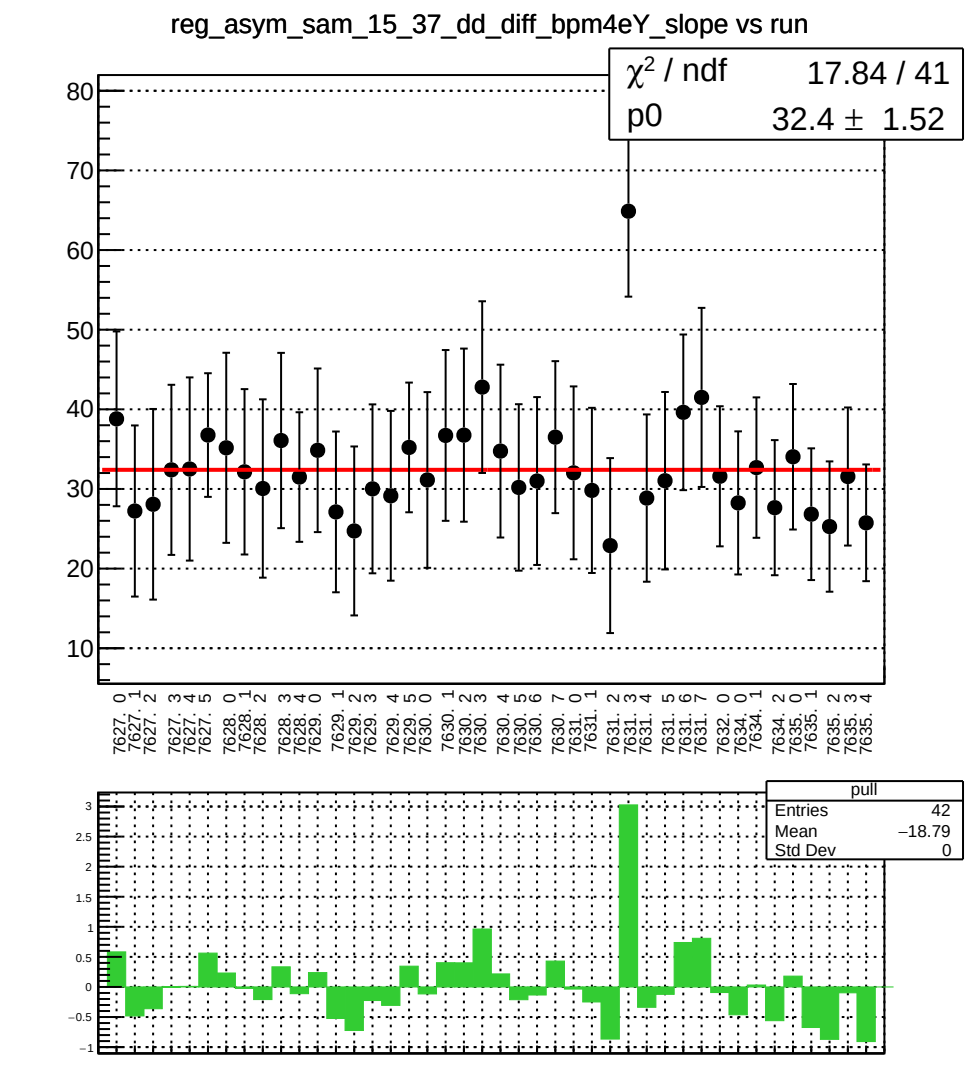

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 56.63 / 41
p0 21.09 ± 0.8256
pull
Entries 42
Mean −38.72
Std Dev 0

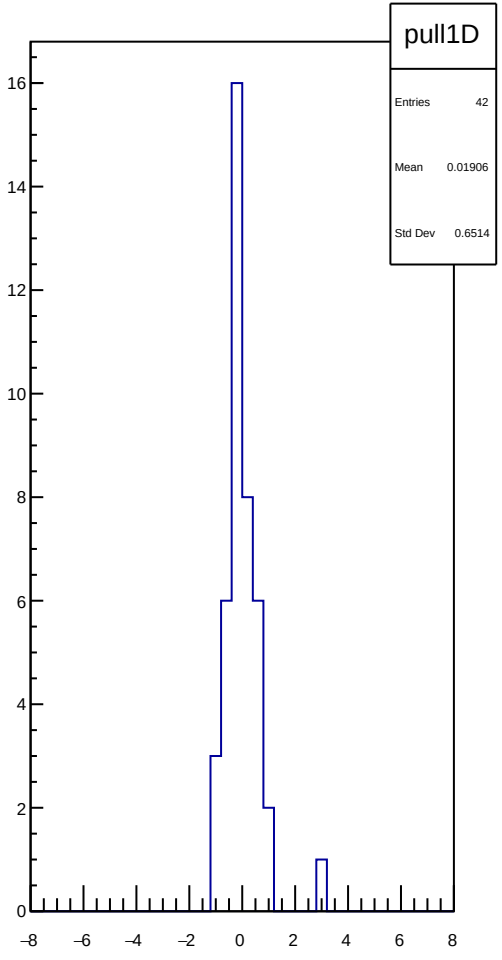

pull1D
Entries 42
Mean 0.04666
Std Dev 1.16

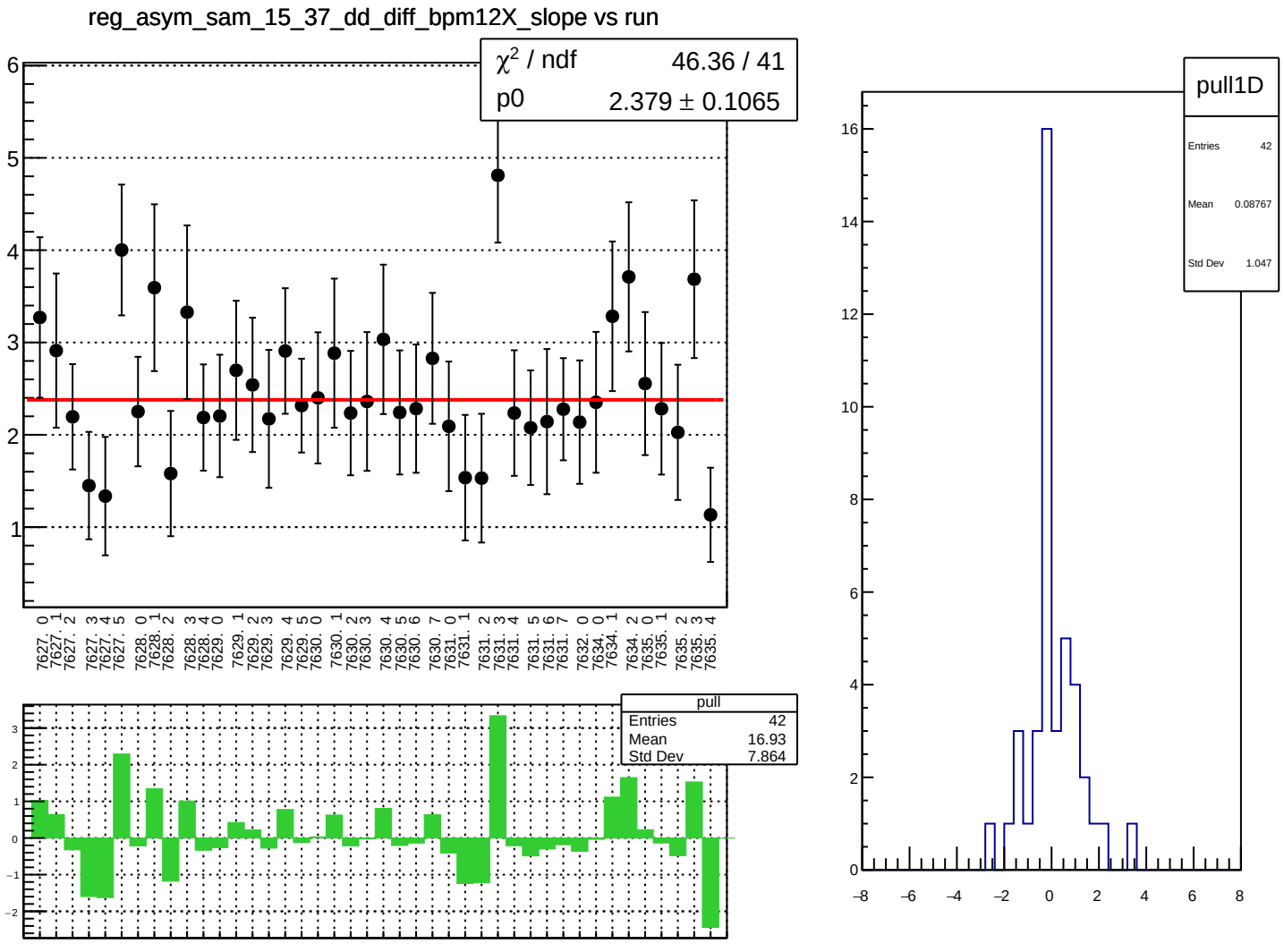

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.4 / 41
p0 −10.26 ± 1.035
0
−10
−20
−30
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −18.46
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 42
Mean −0.02369
Std Dev 0.6614
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

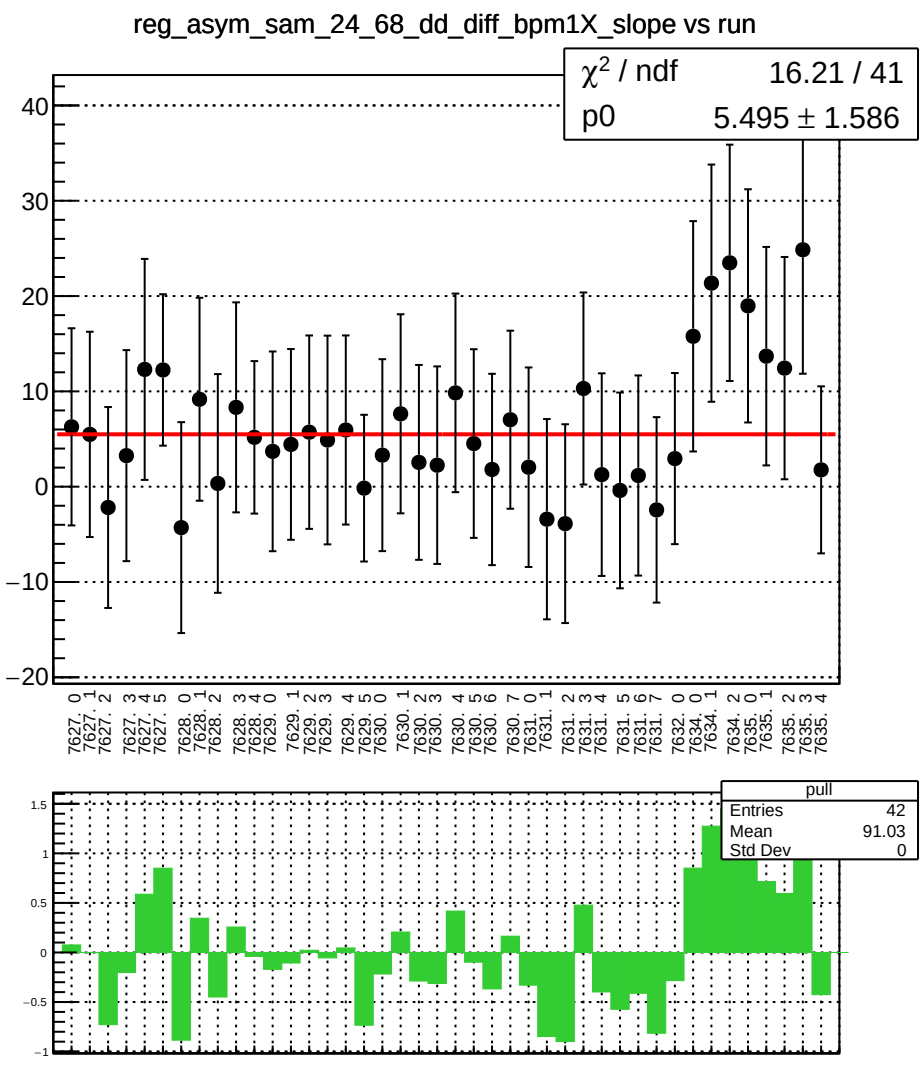

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.91 / 41
p0 21.63 ± 0.6599
pull
Entries 42
Mean −45.2
Std Dev 0

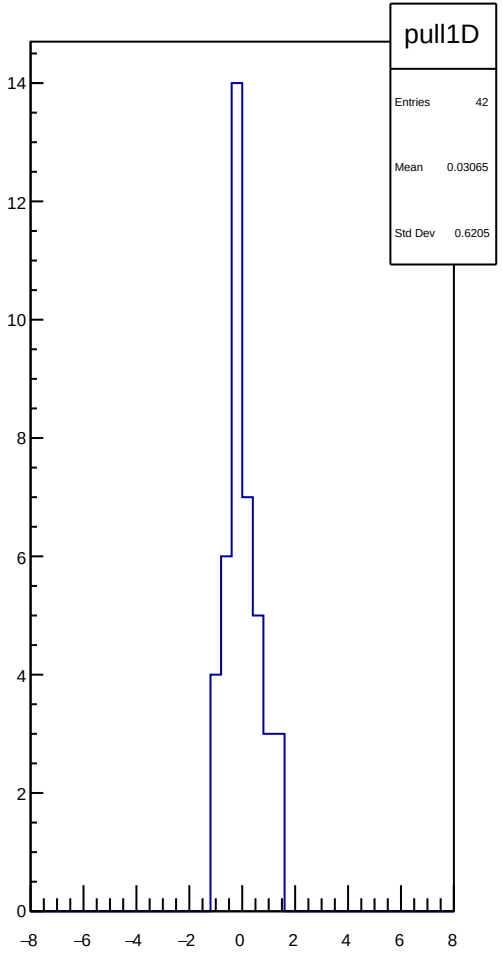

pull1D
Entries 42
Mean −0.04423
Std Dev 1.132

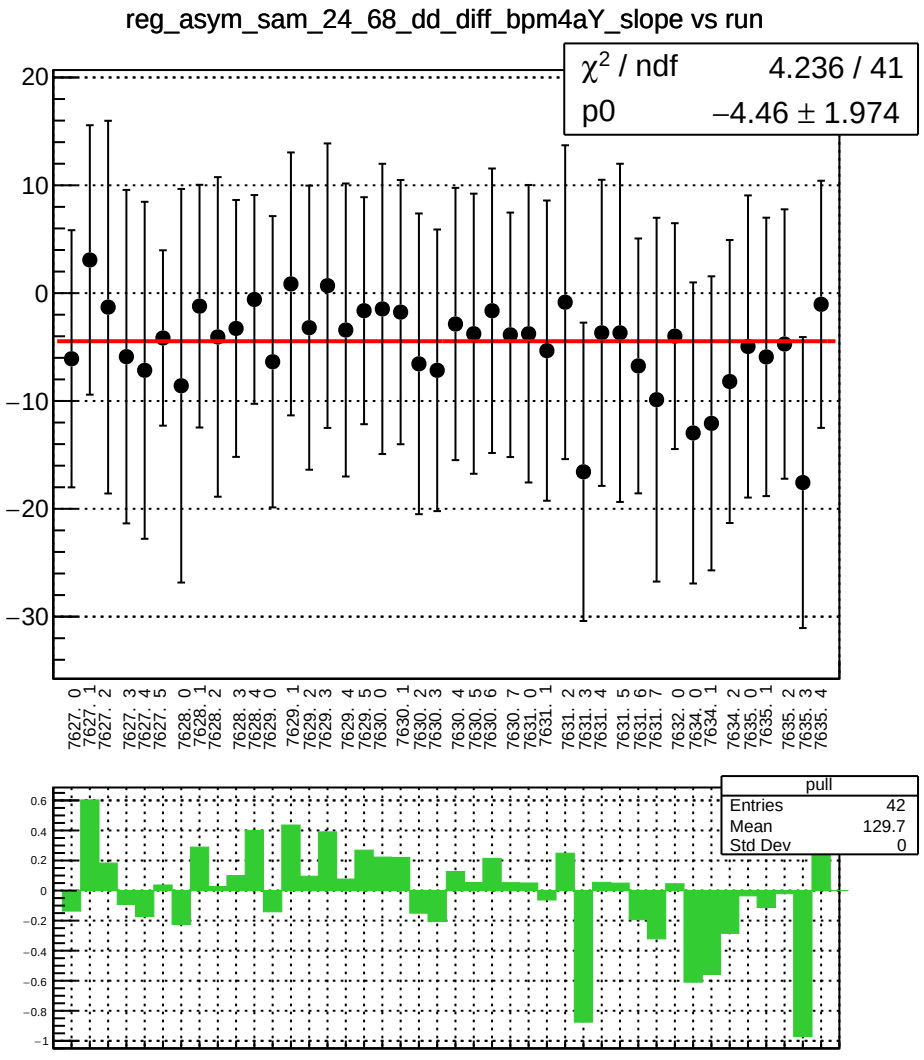

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.84 / 41
p0 32.4 ± 1.52
pull
Entries 42
Mean −18.79
Std Dev 0

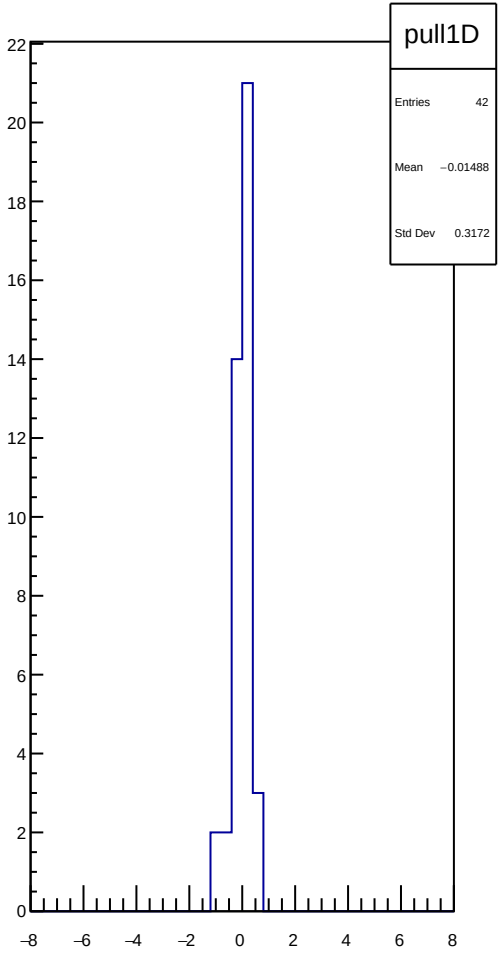

pull1D
Entries 42
Mean 0.01906
Std Dev 0.6514

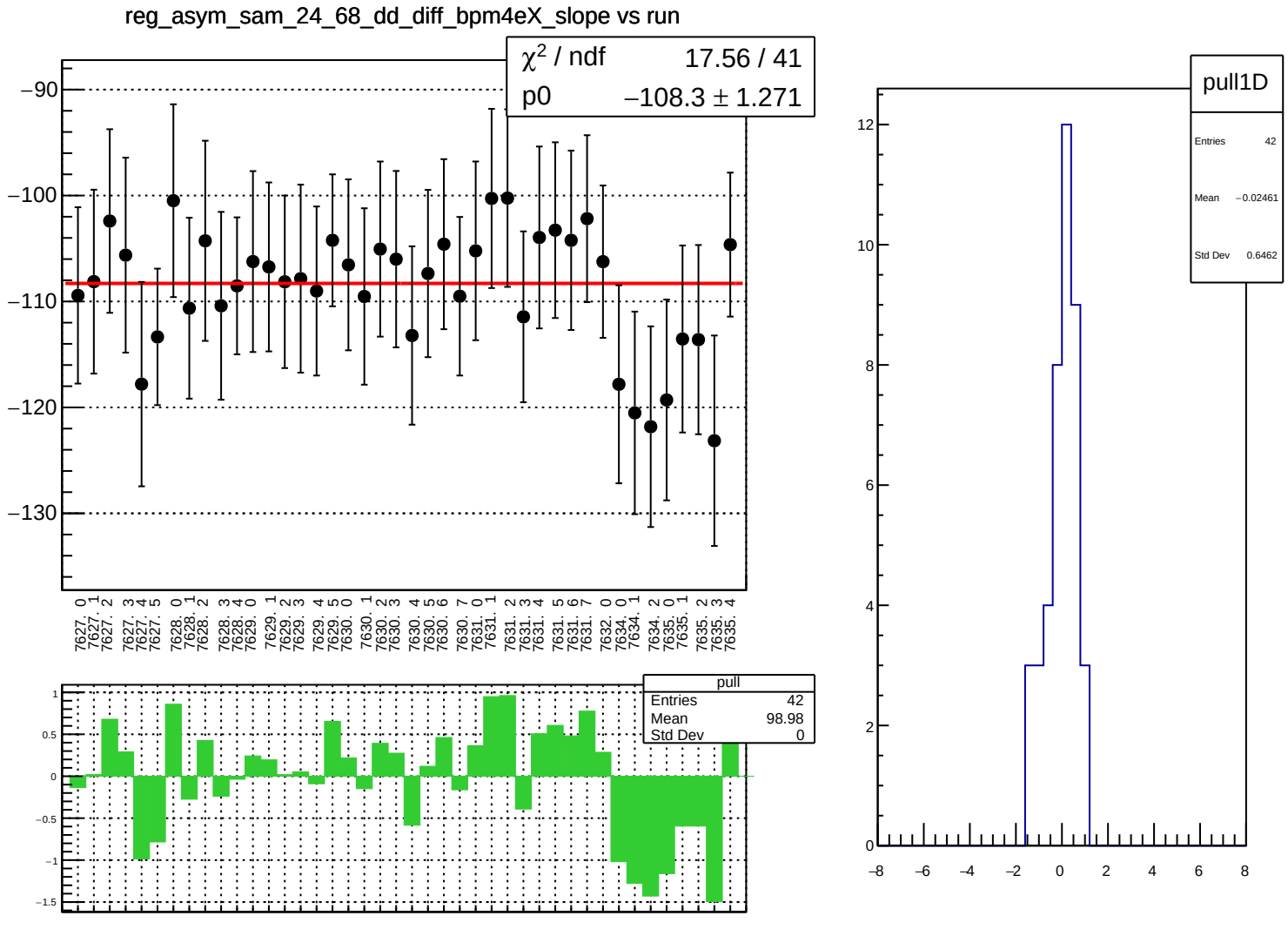

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 46.36 / 41
p0 2.379 ± 0.1065
pull
Entries 42
Mean 16.93
Std Dev 7.864
pull1D
Entries 42
Mean 0.08767
Std Dev 1.047

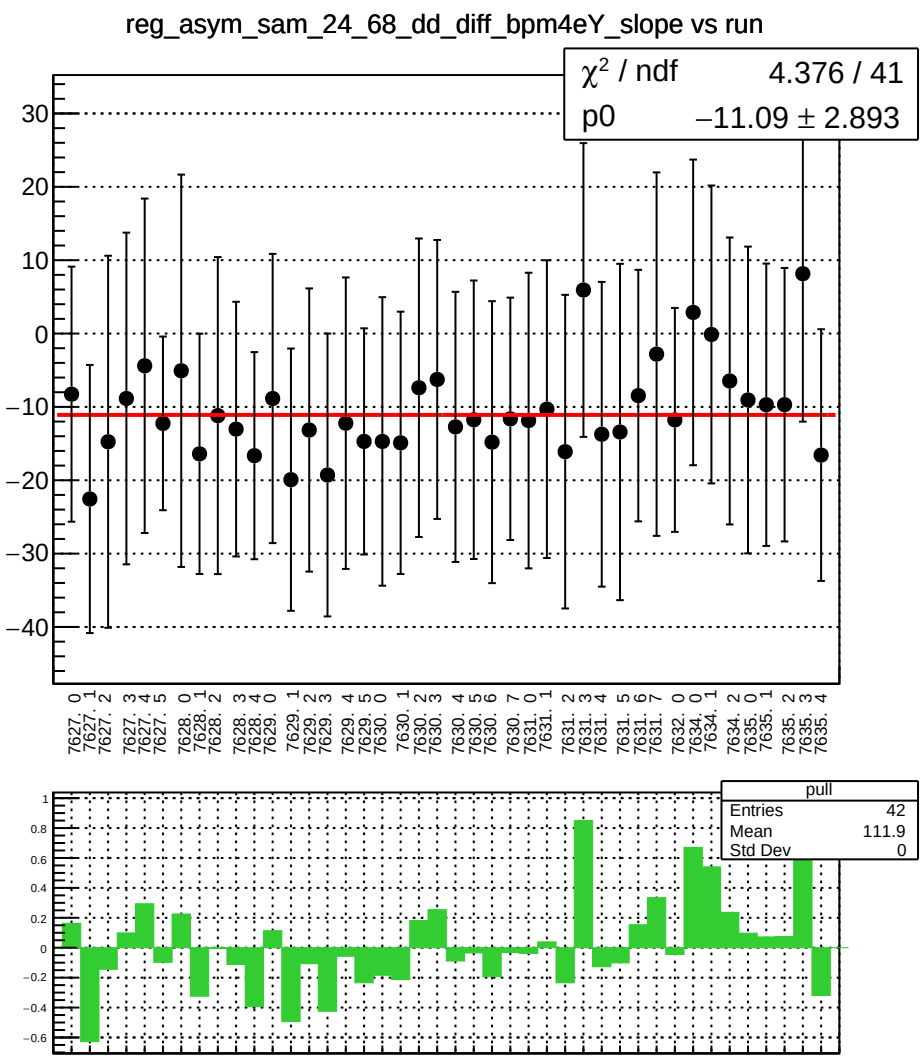

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 16.21 / 41
p0 5.495 ± 1.586
pull
Entries 42
Mean 91.03
Std Dev 0

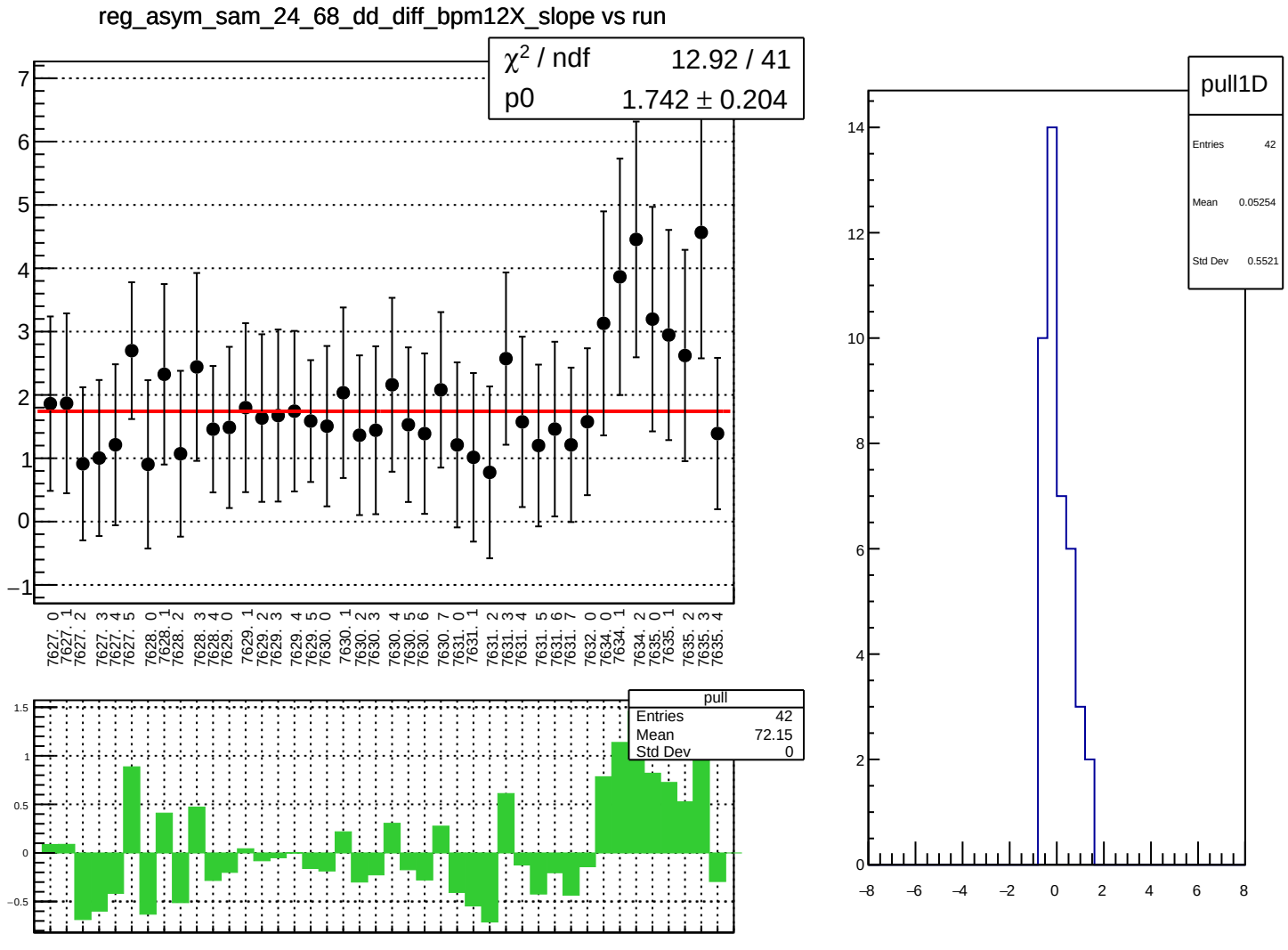

pull1D
Entries 42
Mean 0.03065
Std Dev 0.6205

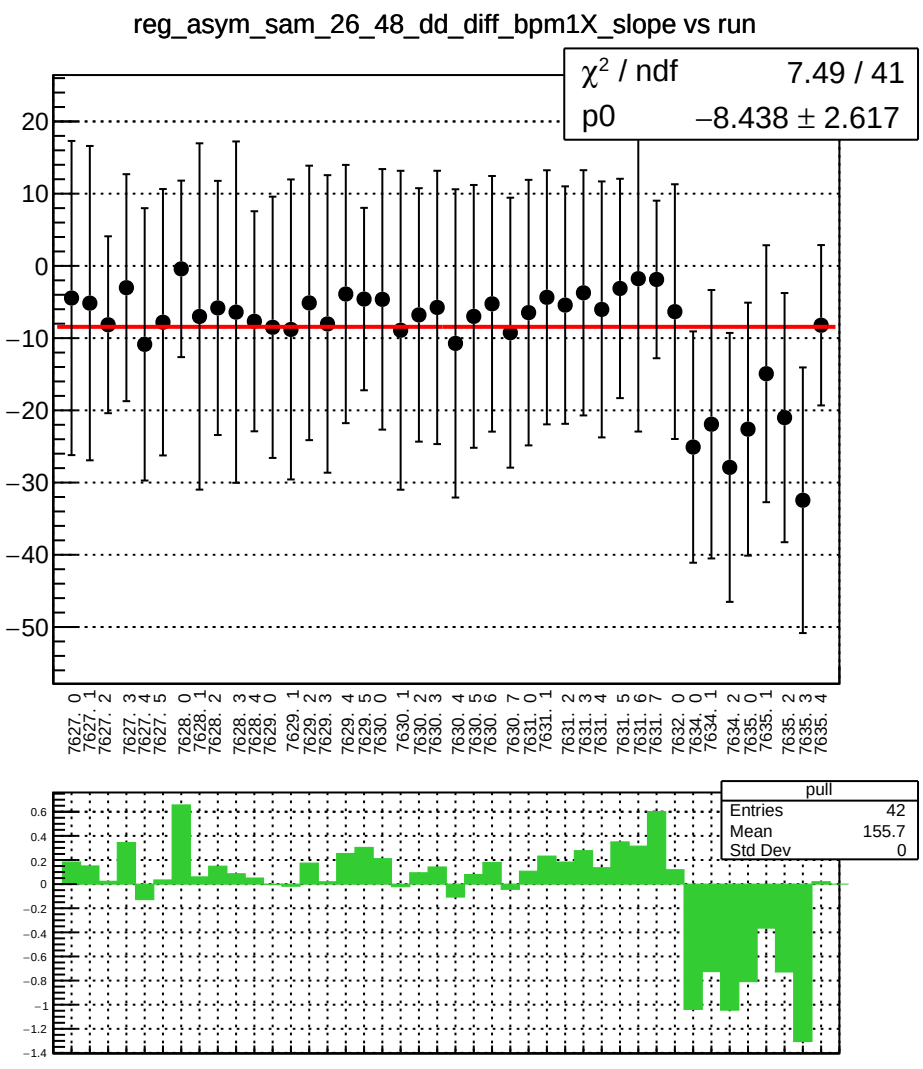

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.236 / 41
p0 −4.46 ± 1.974
pull
Entries 42
Mean 129.7
Std Dev 0

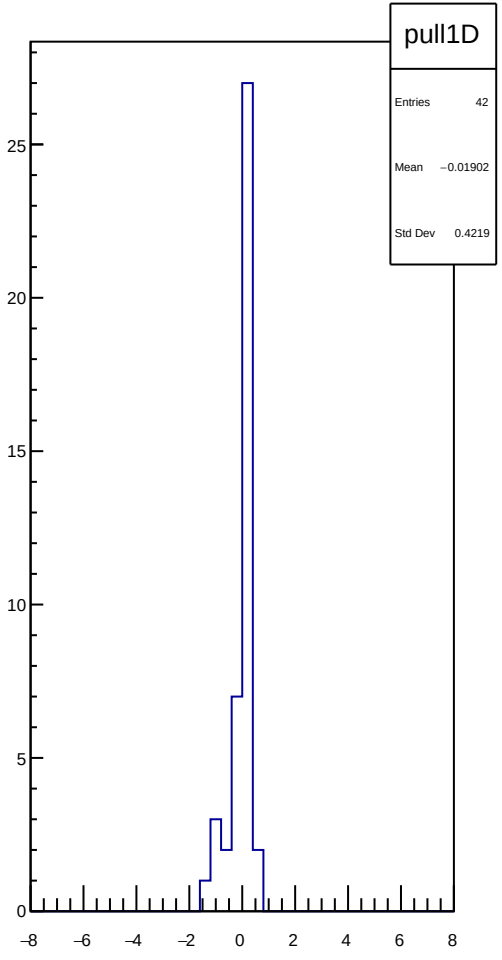

pull1D
Entries 42
Mean −0.01488
Std Dev 0.3172

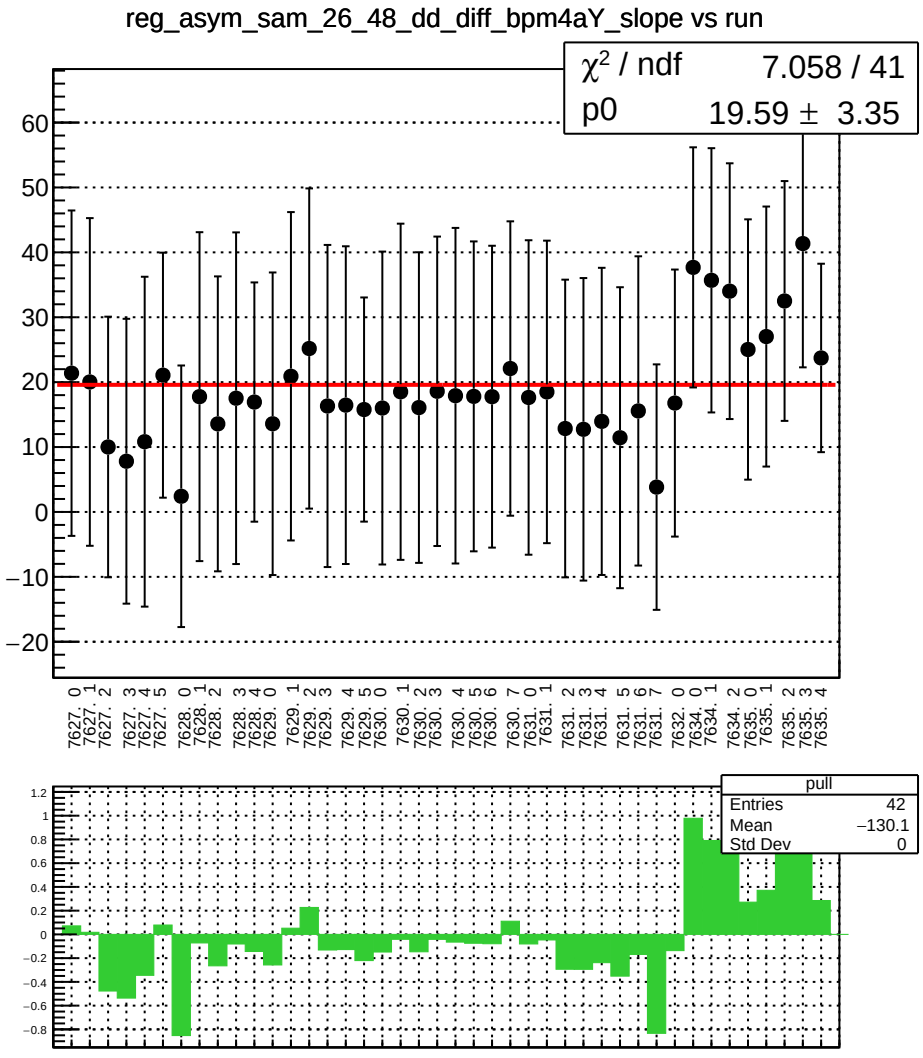

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.56 / 41
p0 −108.3 ± 1.271
−90
−100
−110
−120
−130
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 98.98
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.02461
Std Dev 0.6462
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

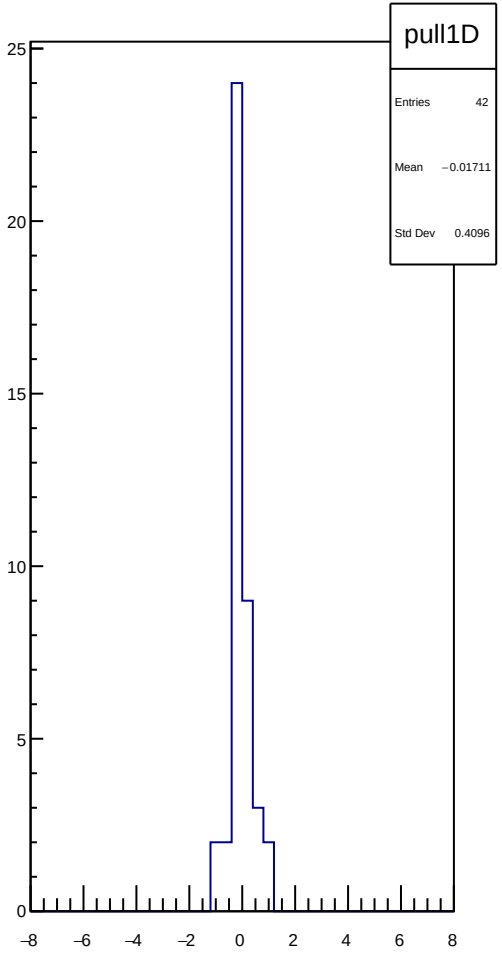

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.376 / 41
p0 −11.09 ± 2.893
pull
Entries 42
Mean 111.9
Std Dev 0
pull1D
Entries 42
Mean 0.01725
Std Dev 0.3223

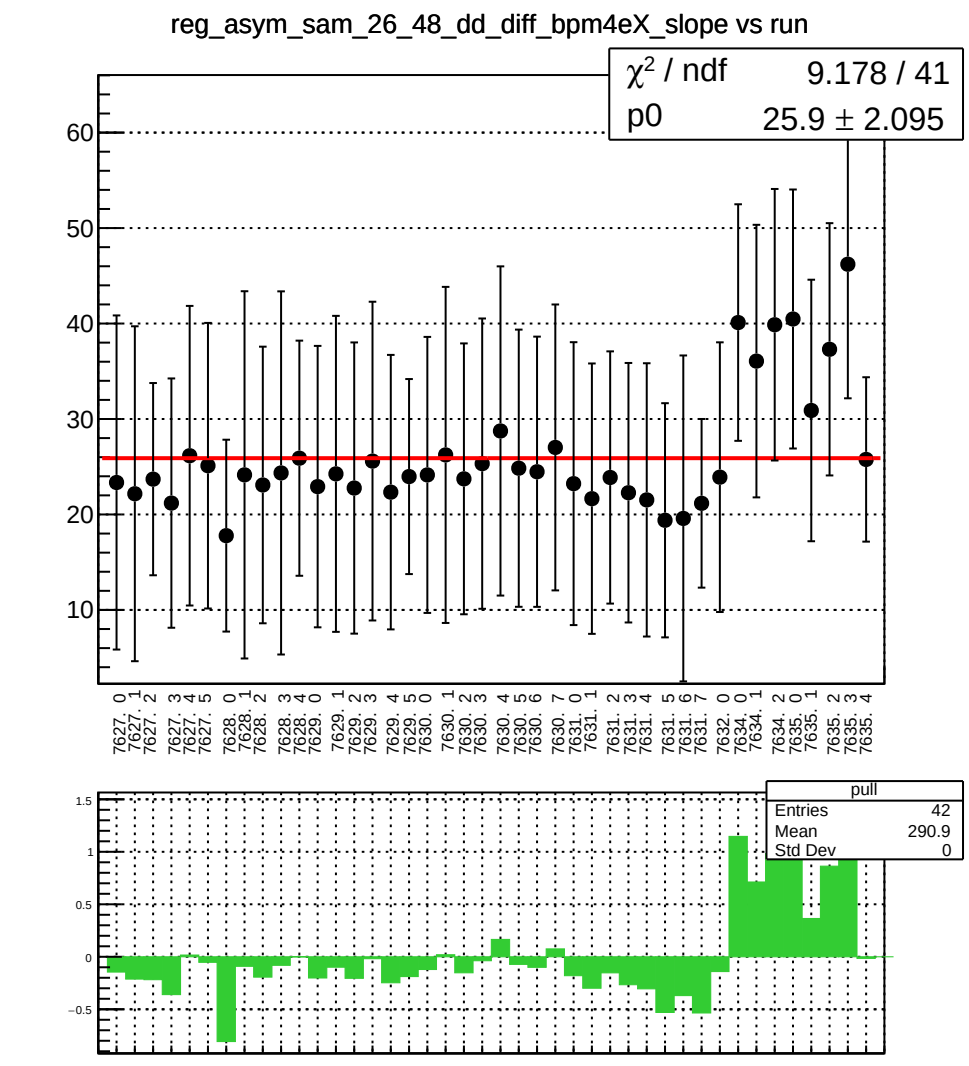

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 12.92 / 41
p0 1.742 ± 0.204
pull
Entries 42
Mean 72.15
Std Dev 0
pull1D
Entries 42
Mean 0.05254
Std Dev 0.5521

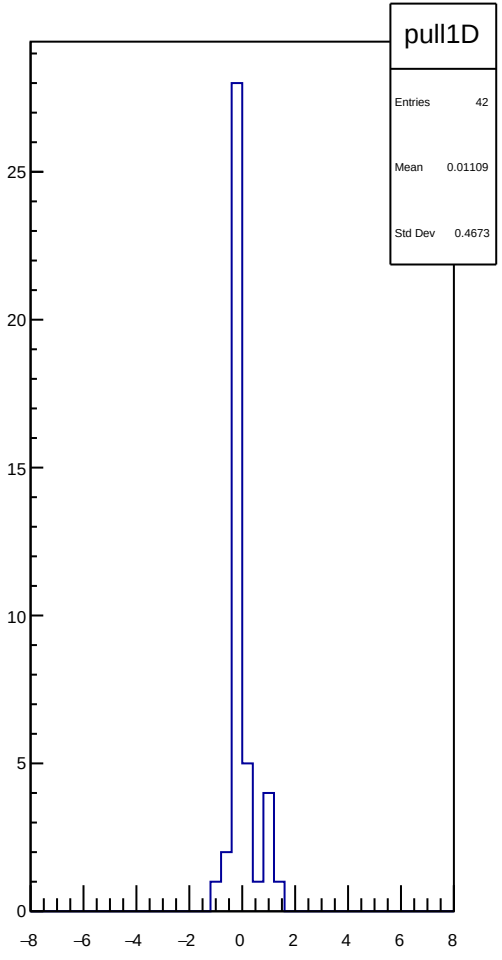

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 7.49 / 41
p0 −8.438 ± 2.617
pull
Entries 42
Mean 155.7
Std Dev 0

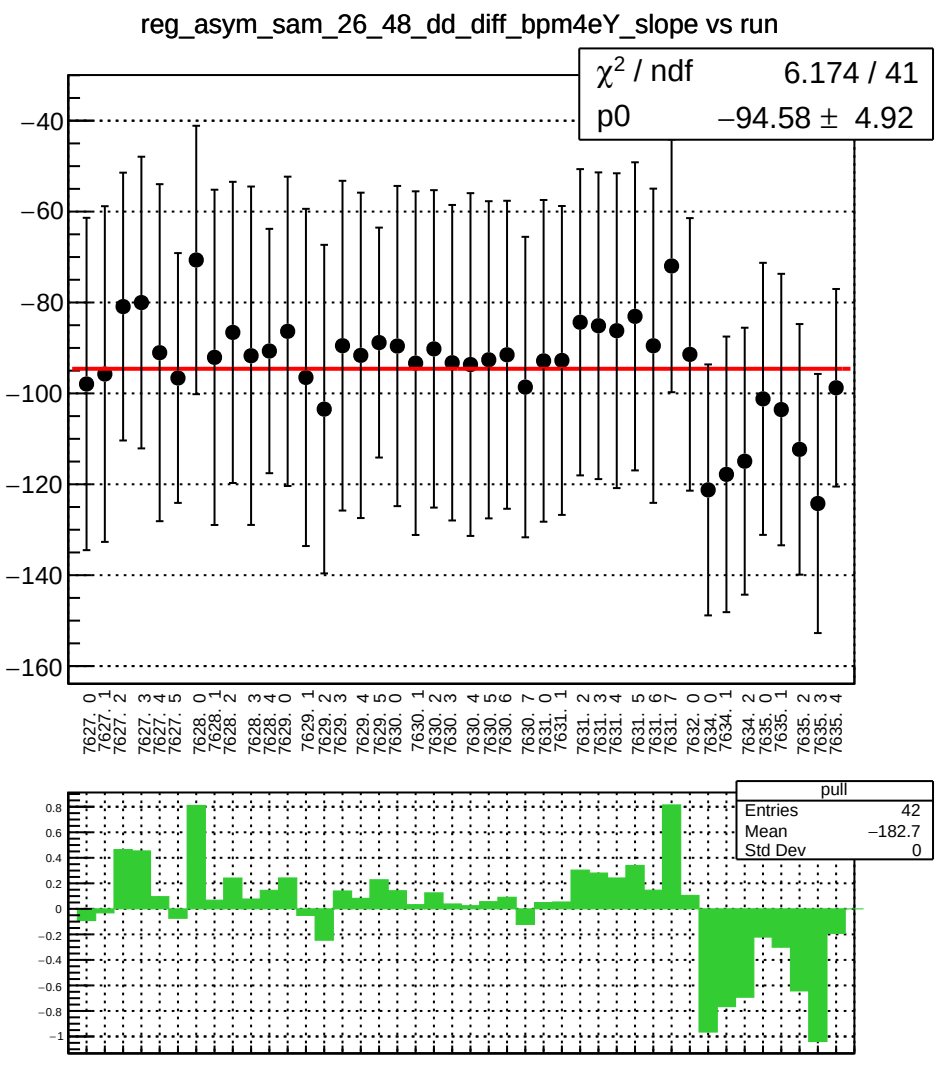

pull1D
Entries 42
Mean −0.01902
Std Dev 0.4219

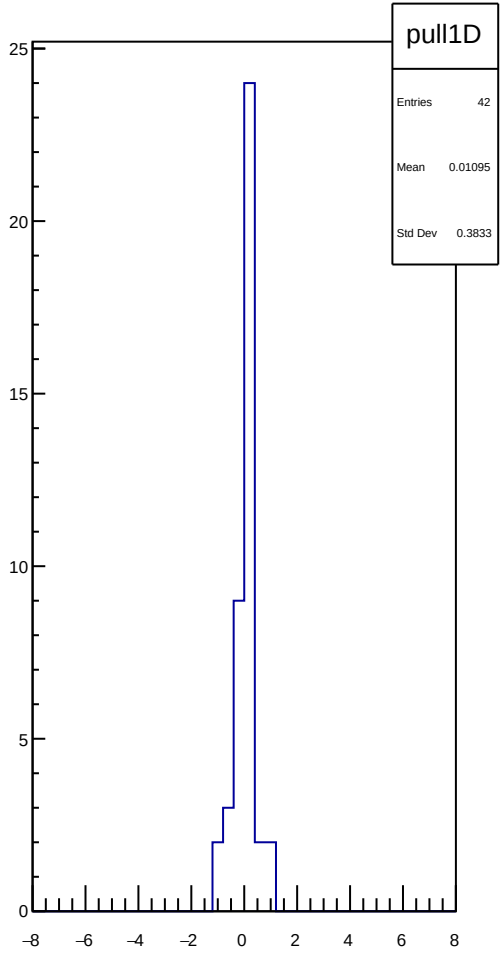

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.058 / 41
p0 19.59 ± 3.35
pull
Entries 42
Mean −130.1
Std Dev 0

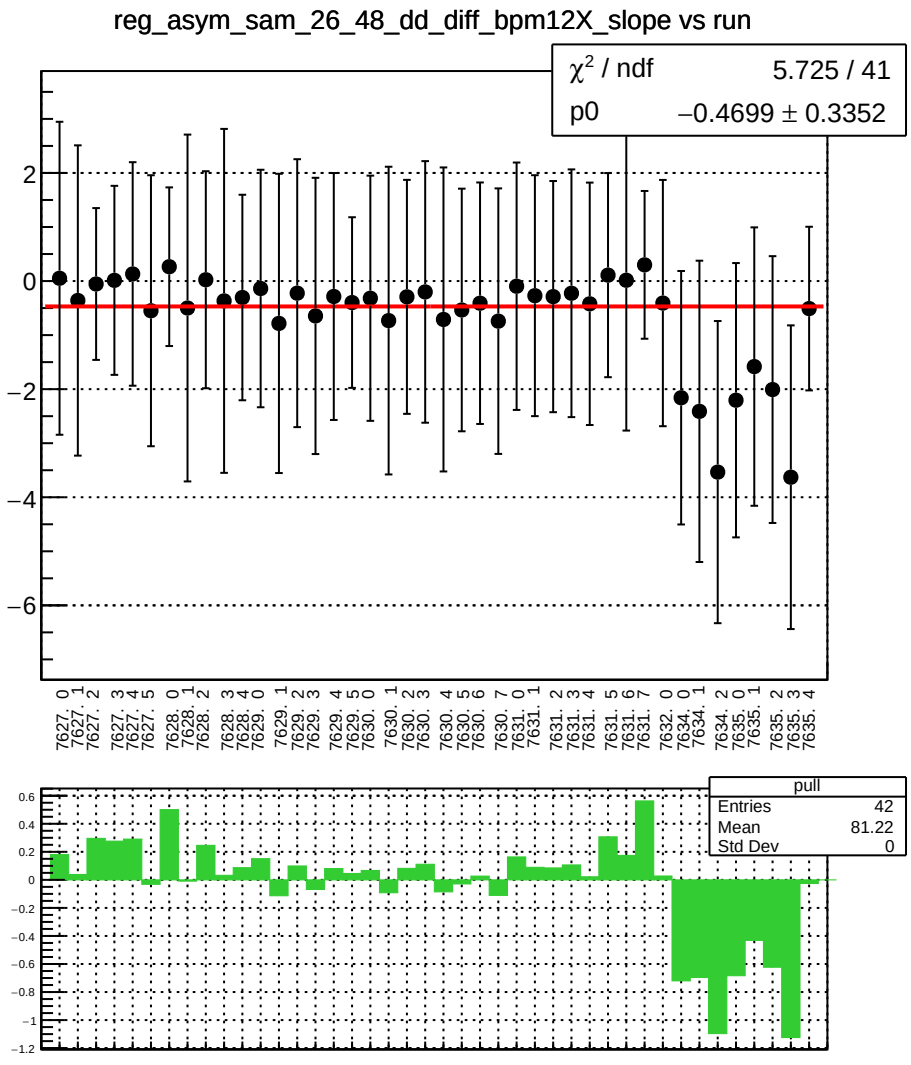

pull1D
Entries 42
Mean −0.01711
Std Dev 0.4096

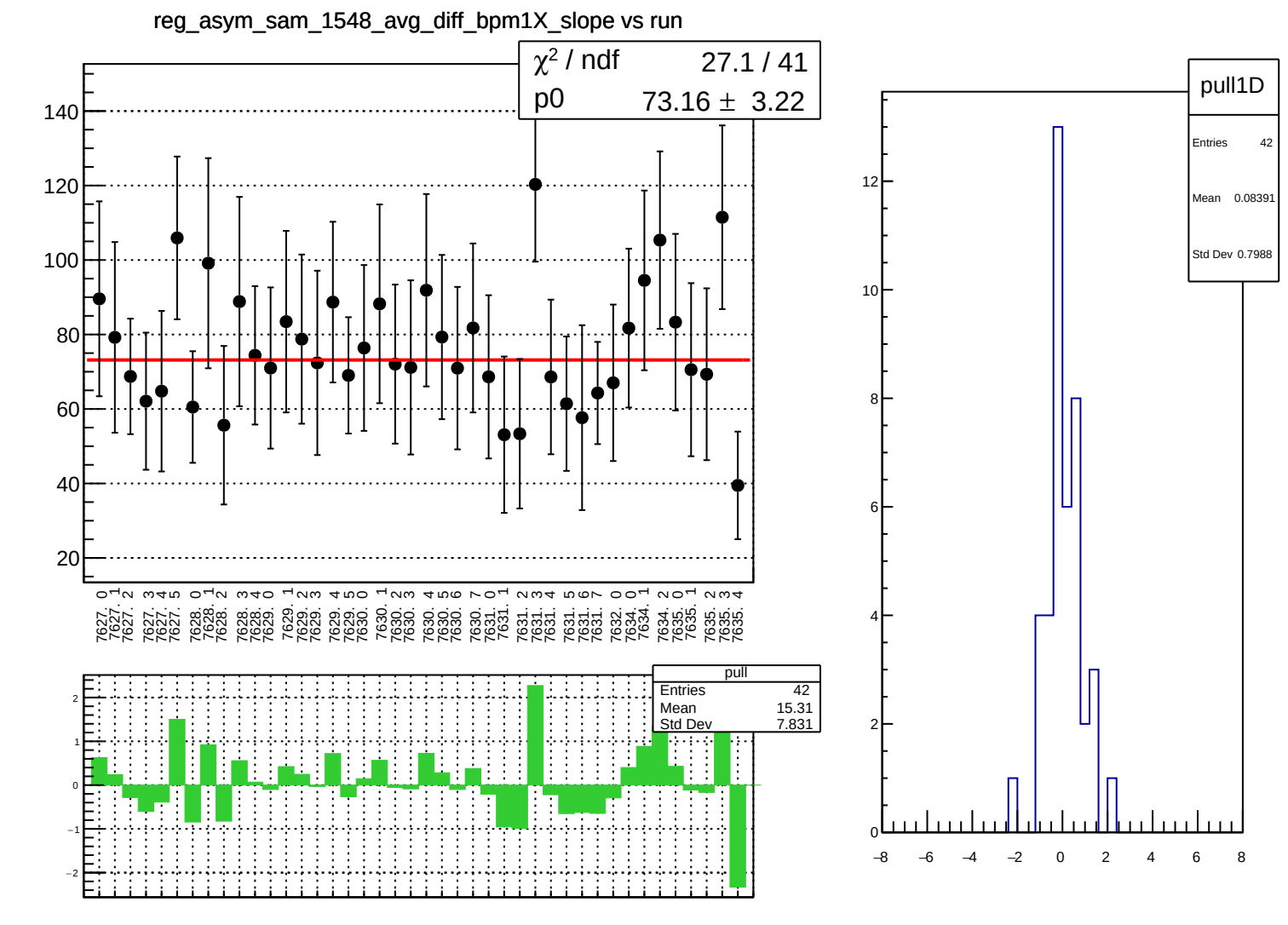

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.178 / 41
p0 25.9 ± 2.095
pull
Entries 42
Mean 290.9
Std Dev 0

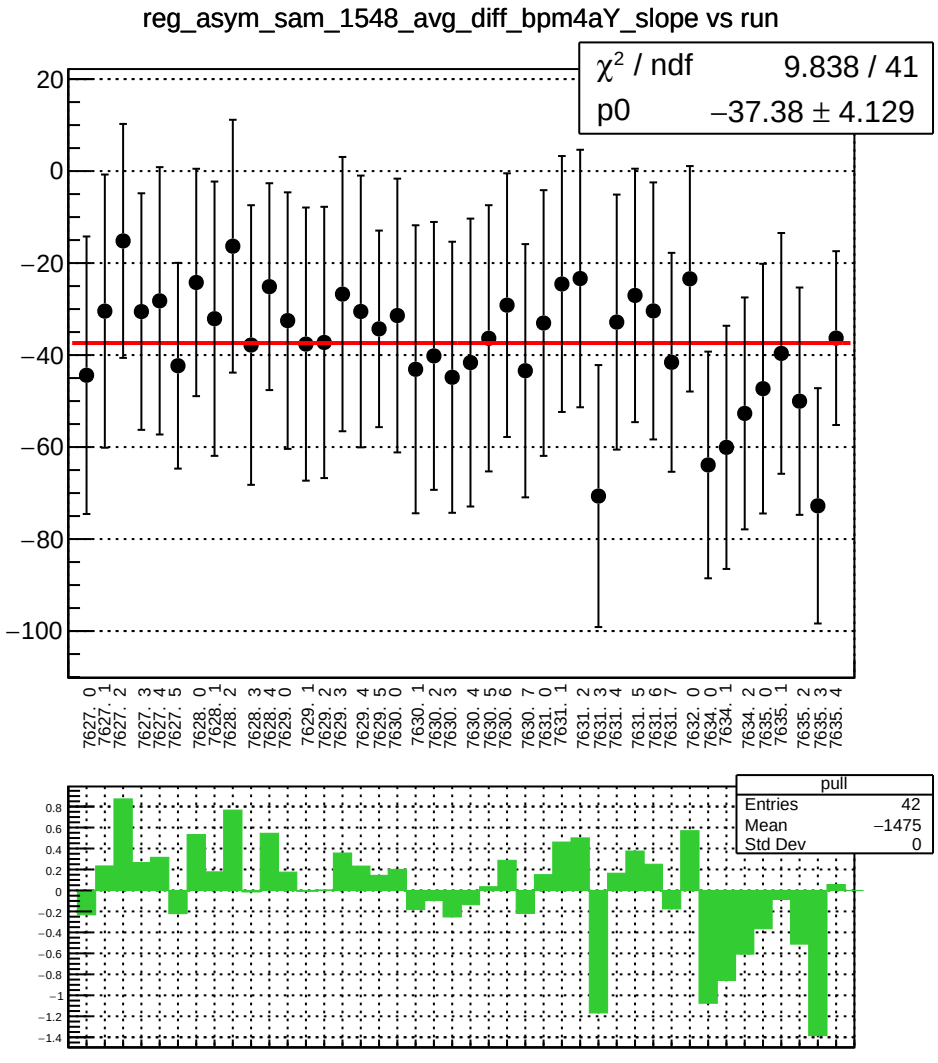

pull1D
Entries 42
Mean 0.01109
Std Dev 0.4673

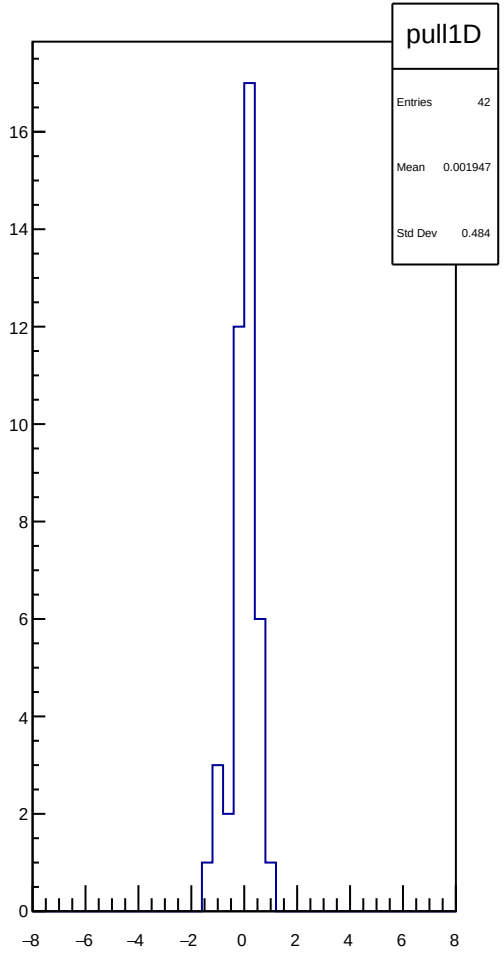

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.174 / 41
p0 −94.58 ± 4.92
−40
−60
−80
−100
−120
−140
−160
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −182.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

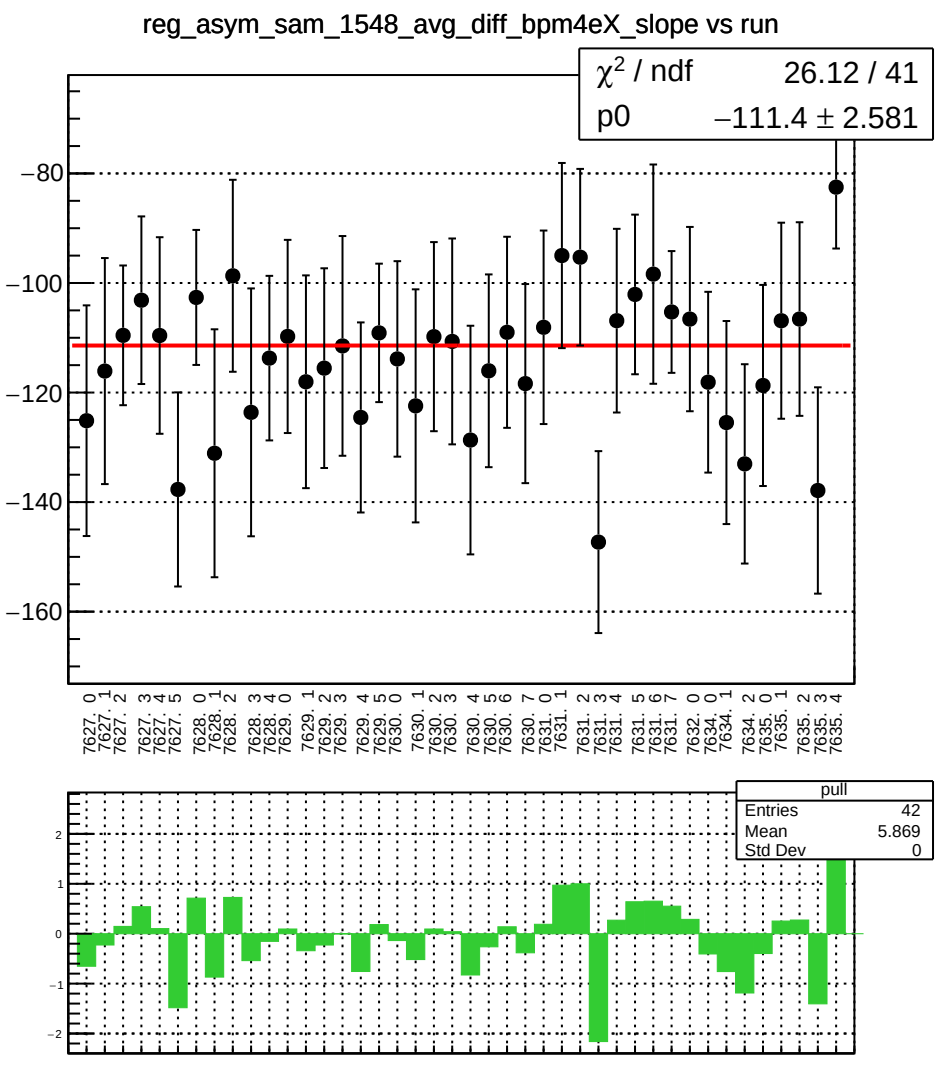

pull1D
Entries 42
Mean 0.01095
Std Dev 0.3833
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

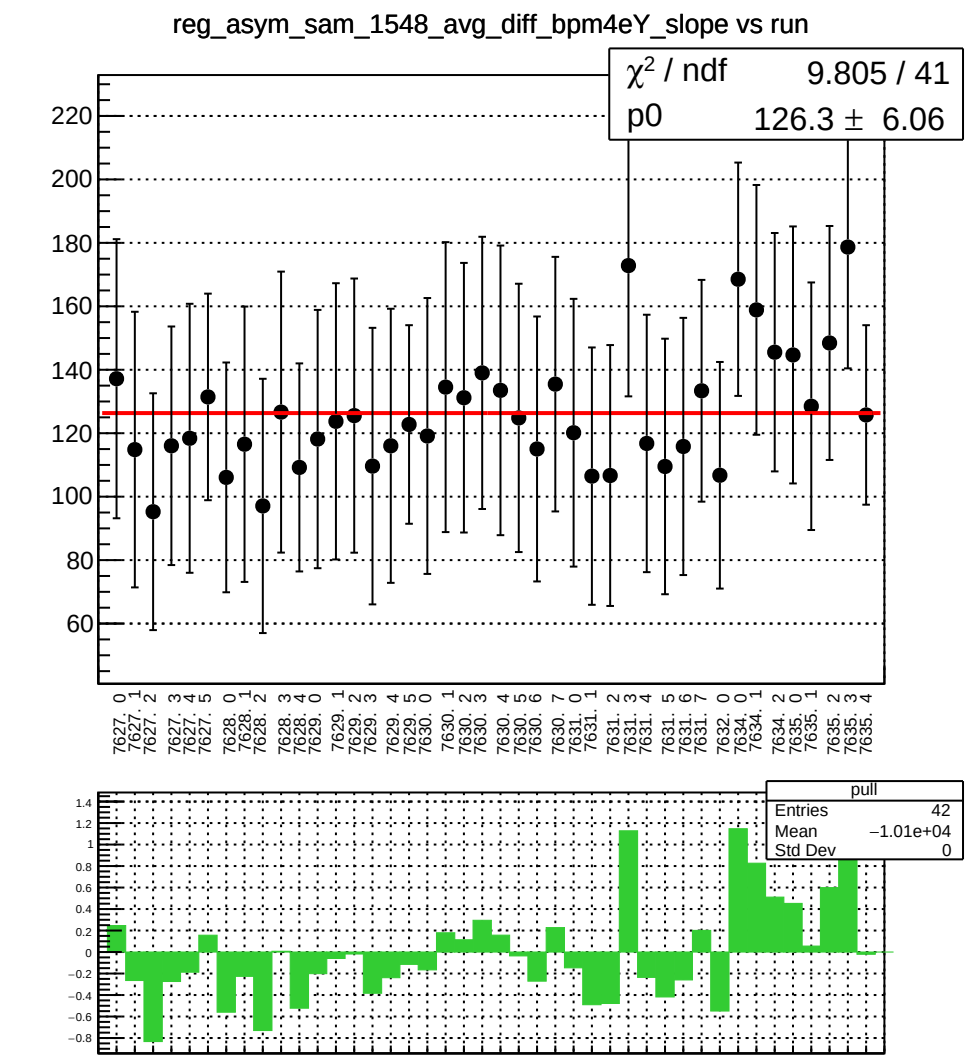

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.725 / 41
p0 −0.4699 ± 0.3352
pull
Entries 42
Mean 81.22
Std Dev 0
pull1D
Entries 42
Mean −0.04265
Std Dev 0.3667

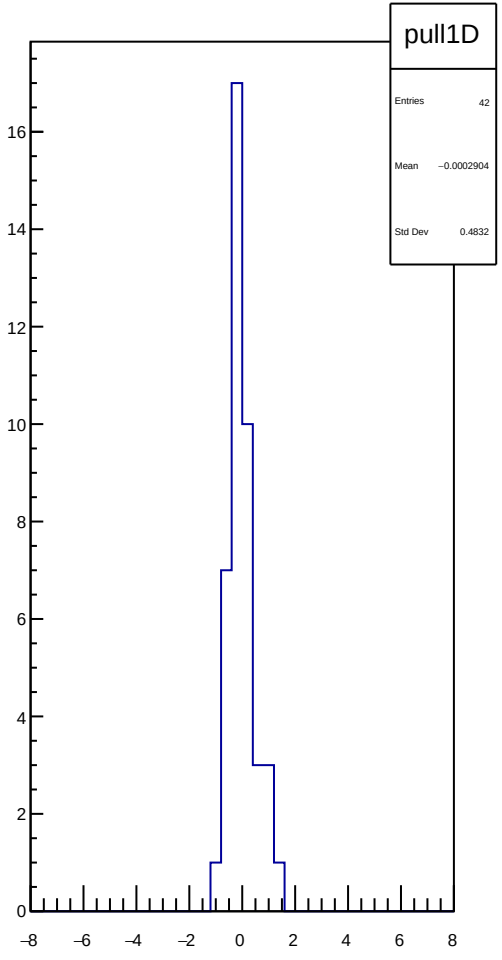

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 27.1 / 41
p0 73.16 ± 3.22
pull
Entries 42
Mean 15.31
Std Dev 7.831
pull1D
Entries 42
Mean 0.08391
Std Dev 0.7988

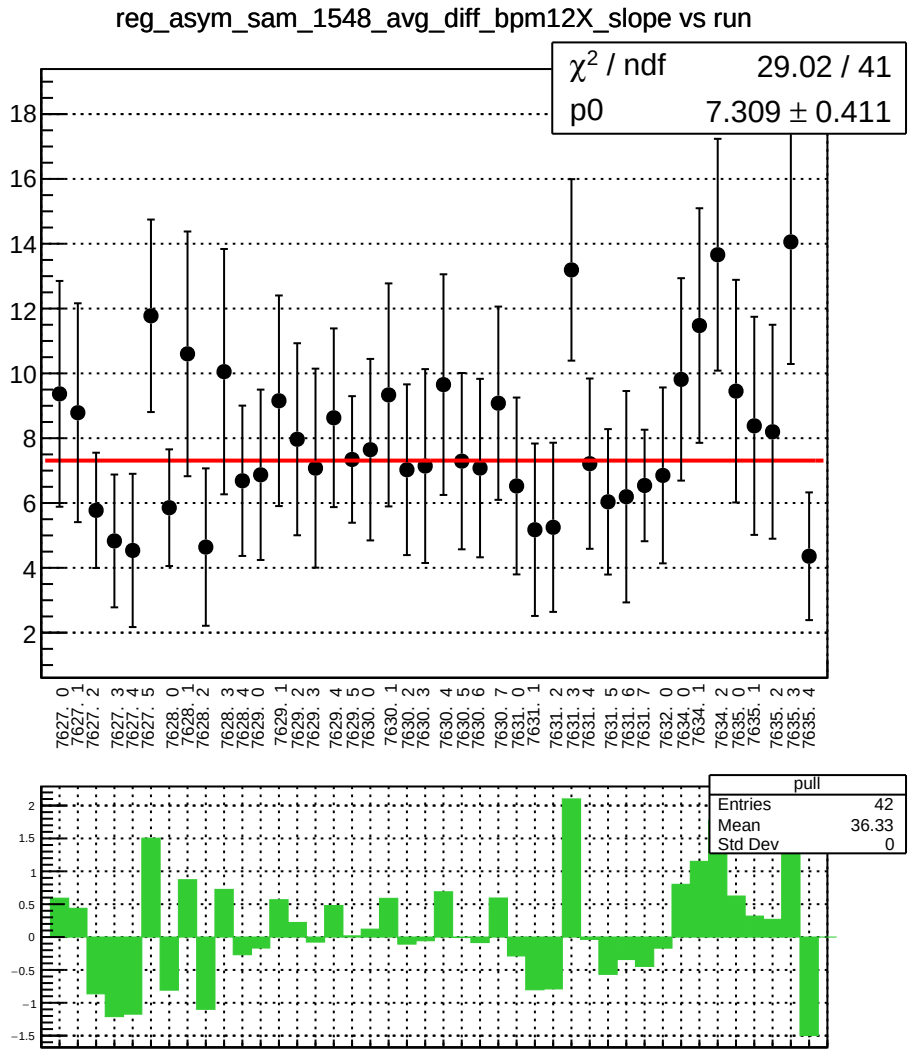

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.838 / 41
p0 −37.38 ± 4.129
pull
Entries 42
Mean −1475
Std Dev 0

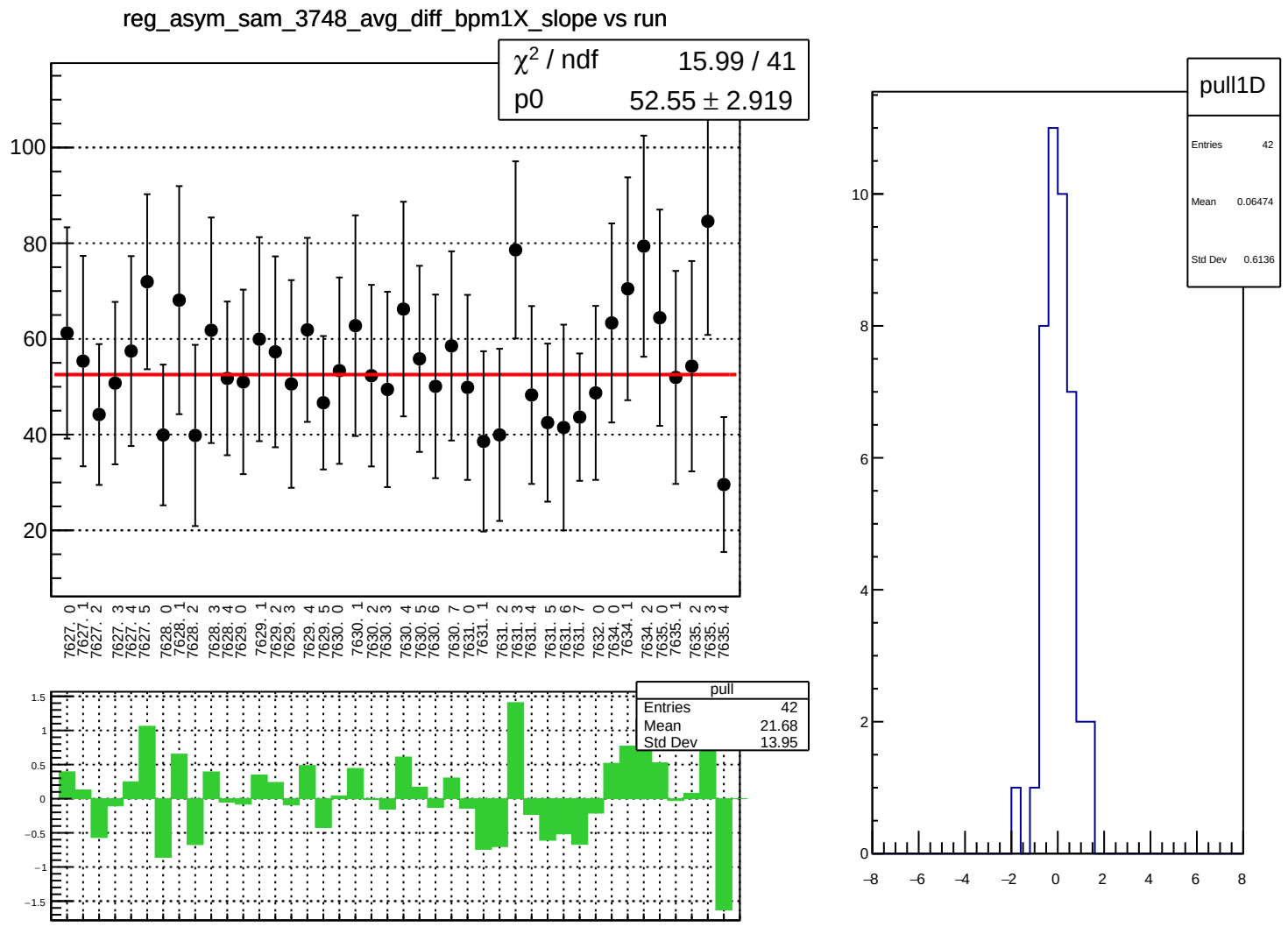

pull1D
Entries 42
Mean 0.001947
Std Dev 0.484

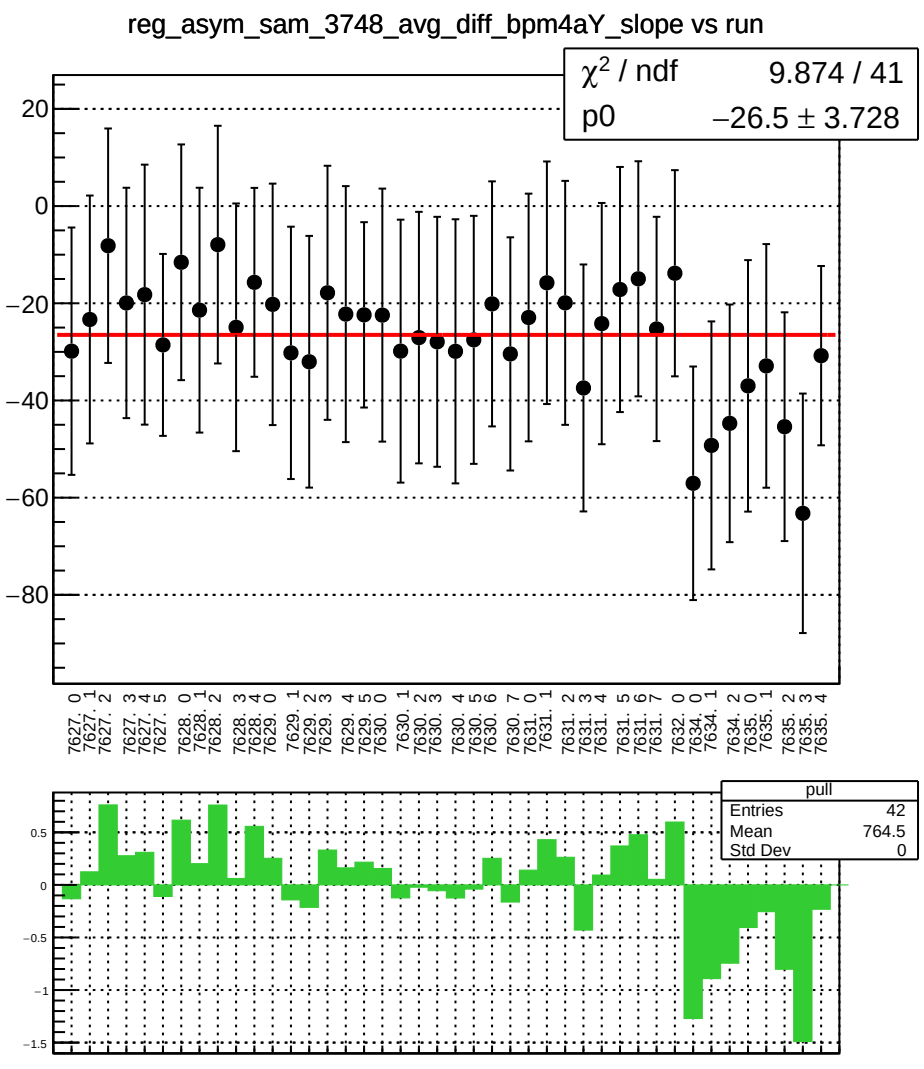

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.12 / 41
p0 −111.4 ± 2.581
−80
−100
−120
−140
−160
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 5.869
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.07726
Std Dev 0.7849
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

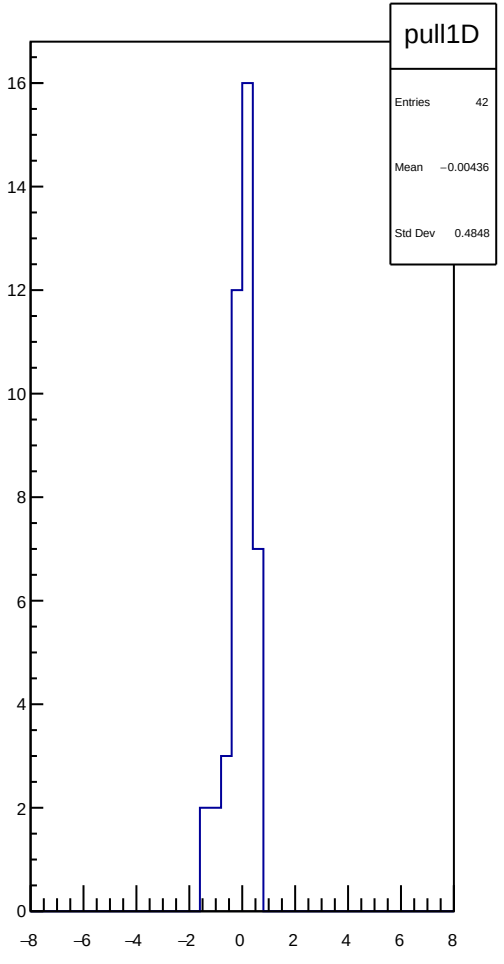

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.805 / 41
p0 126.3 ± 6.06
pull
Entries 42
Mean −1.01e+04
Std Dev 0

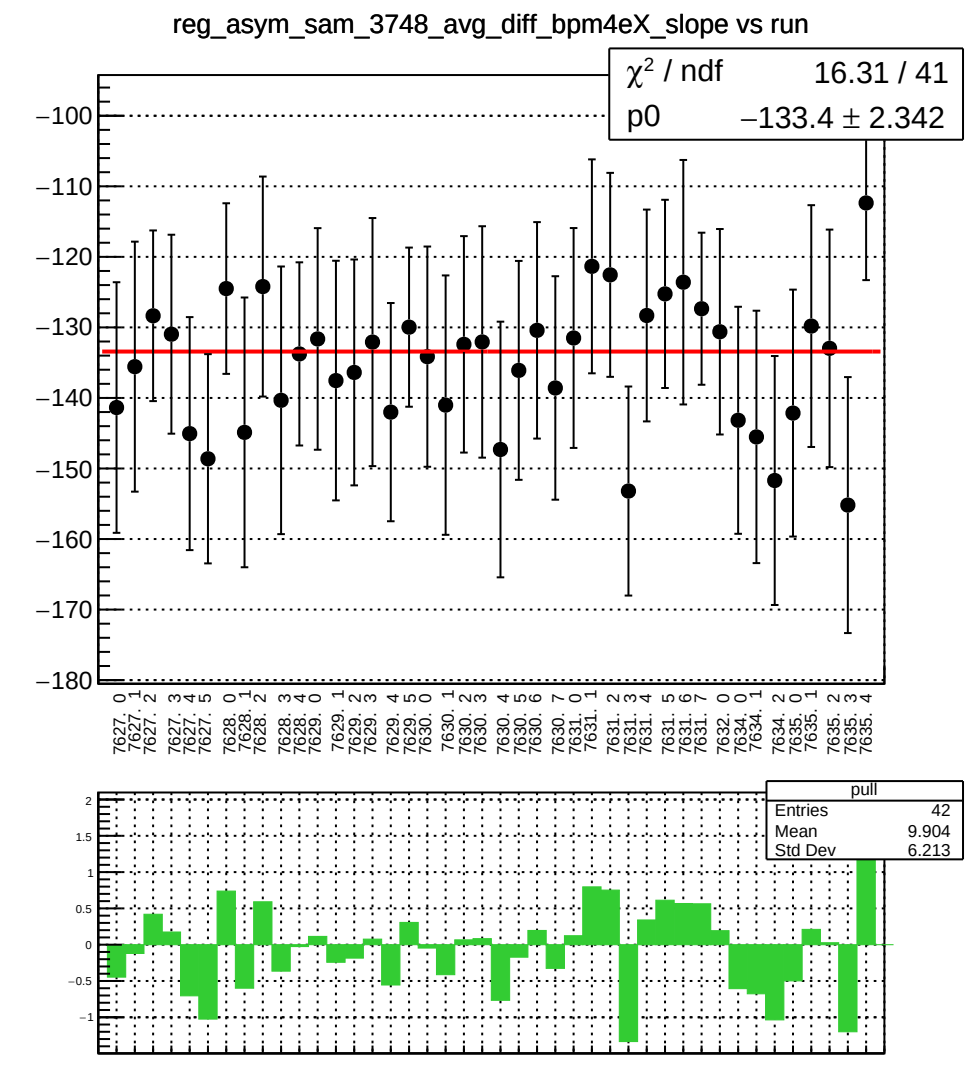

pull1D
Entries 42
Mean −0.0002904
Std Dev 0.4832

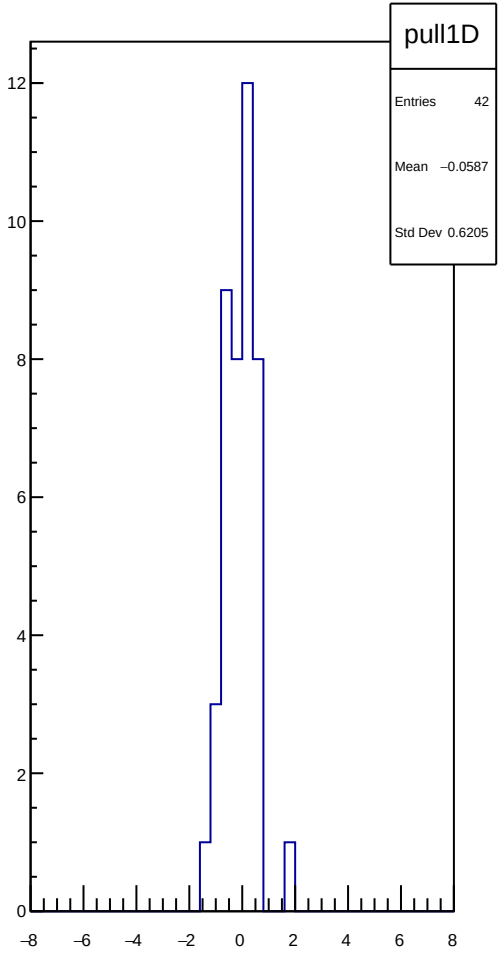

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 29.02 / 41
p0 7.309 ± 0.411
pull
Entries 42
Mean 36.33
Std Dev 0
pull1D
Entries 42
Mean 0.1283
Std Dev 0.8213

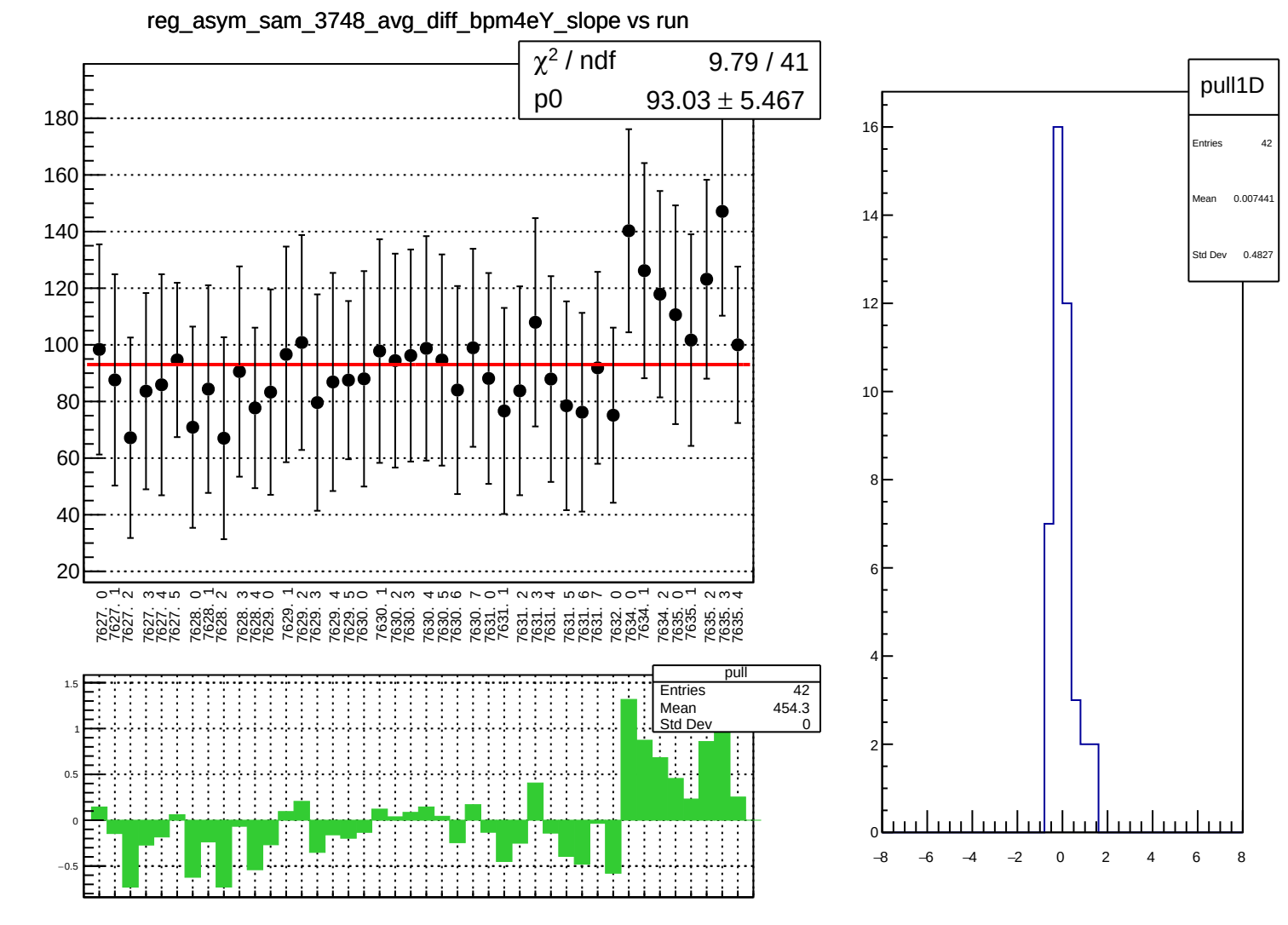

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 15.99 / 41
p0 52.55 ± 2.919
pull
Entries 42
Mean 21.68
Std Dev 13.95
pull1D
Entries 42
Mean 0.06474
Std Dev 0.6136

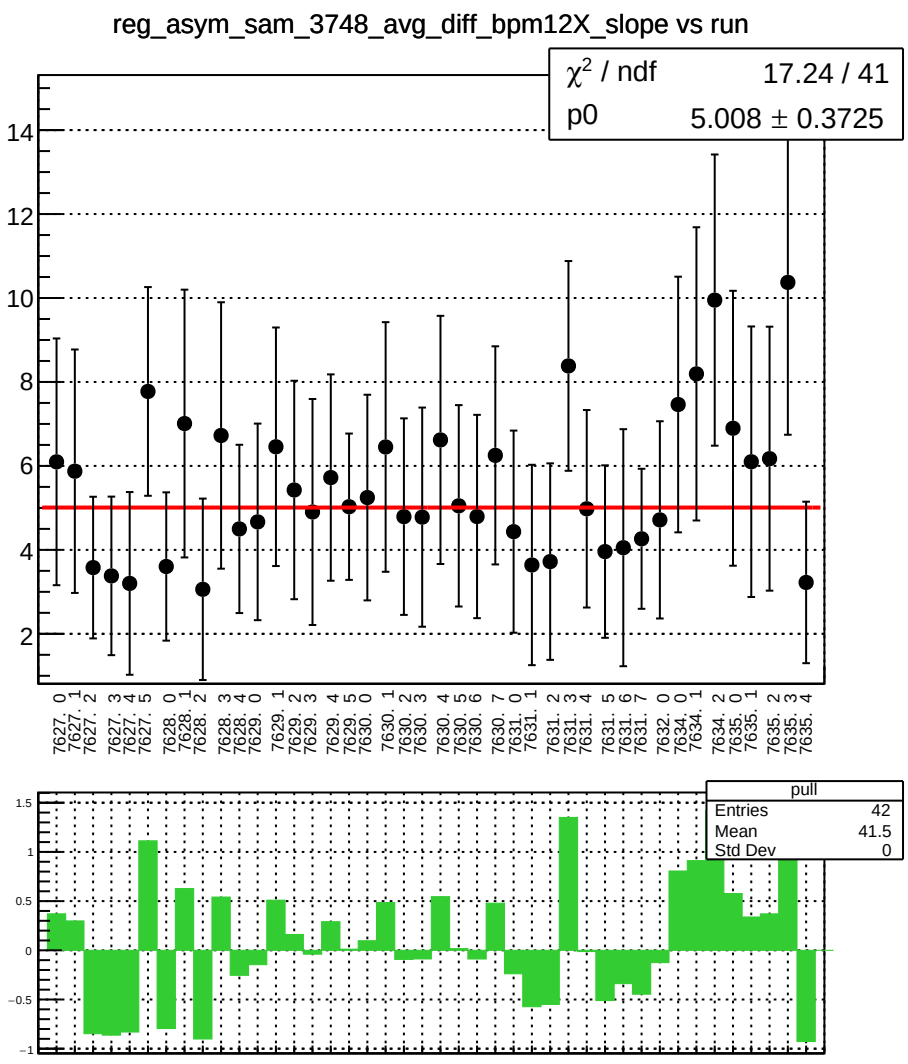

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.874 / 41
p0 −26.5 ± 3.728
pull
Entries 42
Mean 764.5
Std Dev 0

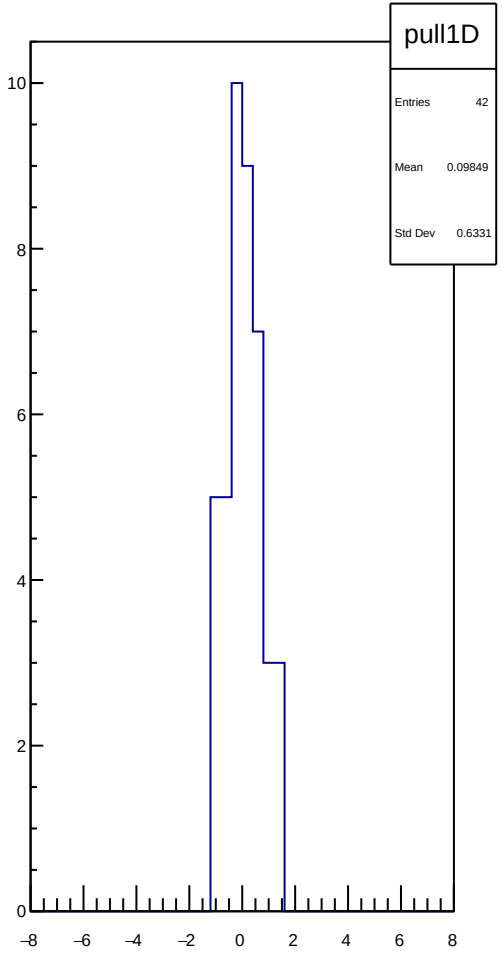

pull1D
Entries 42
Mean −0.00436
Std Dev 0.4848

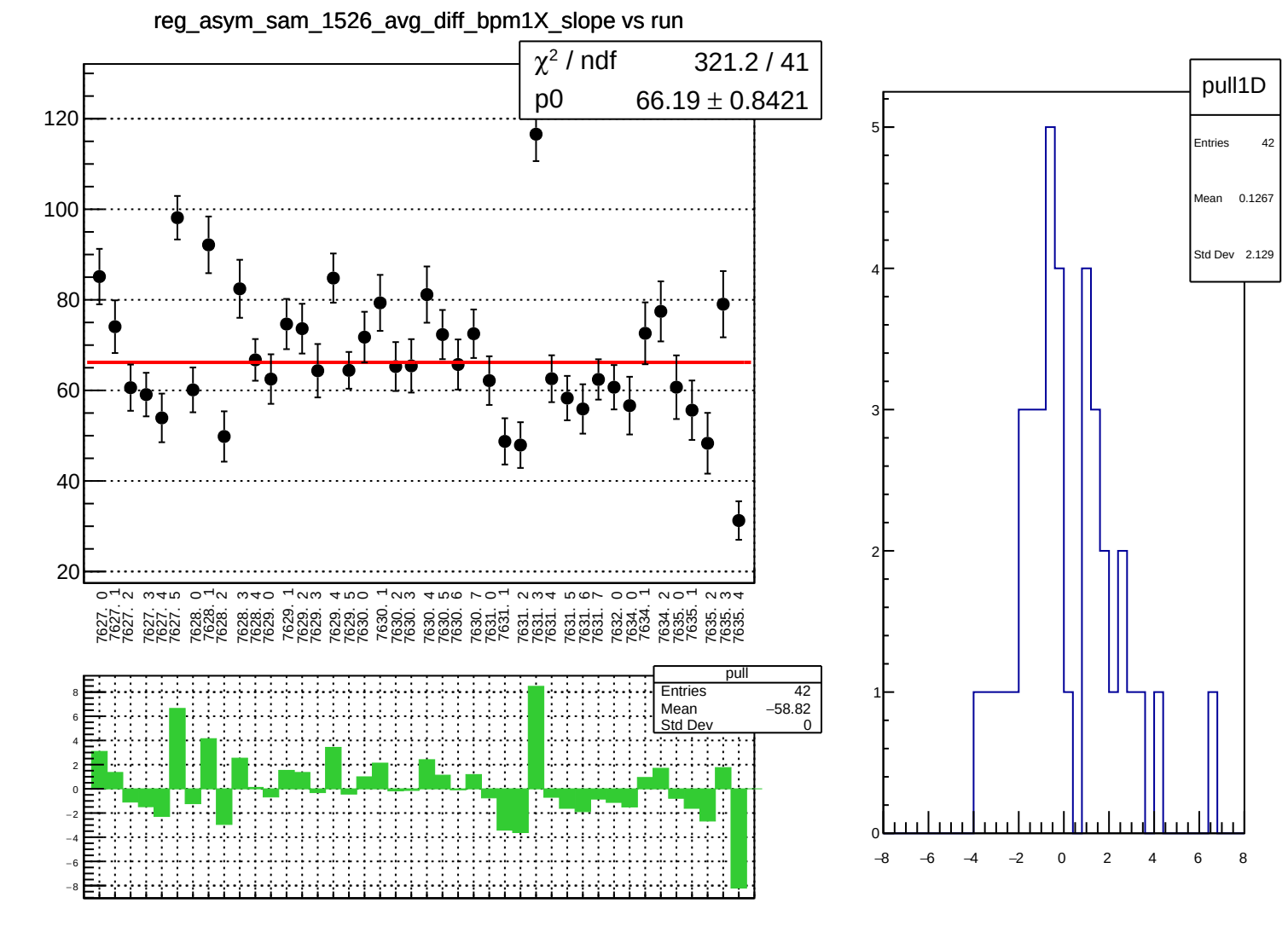

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.31 / 41
p0 −133.4 ± 2.342
pull
Entries 42
Mean 9.904
Std Dev 6.213

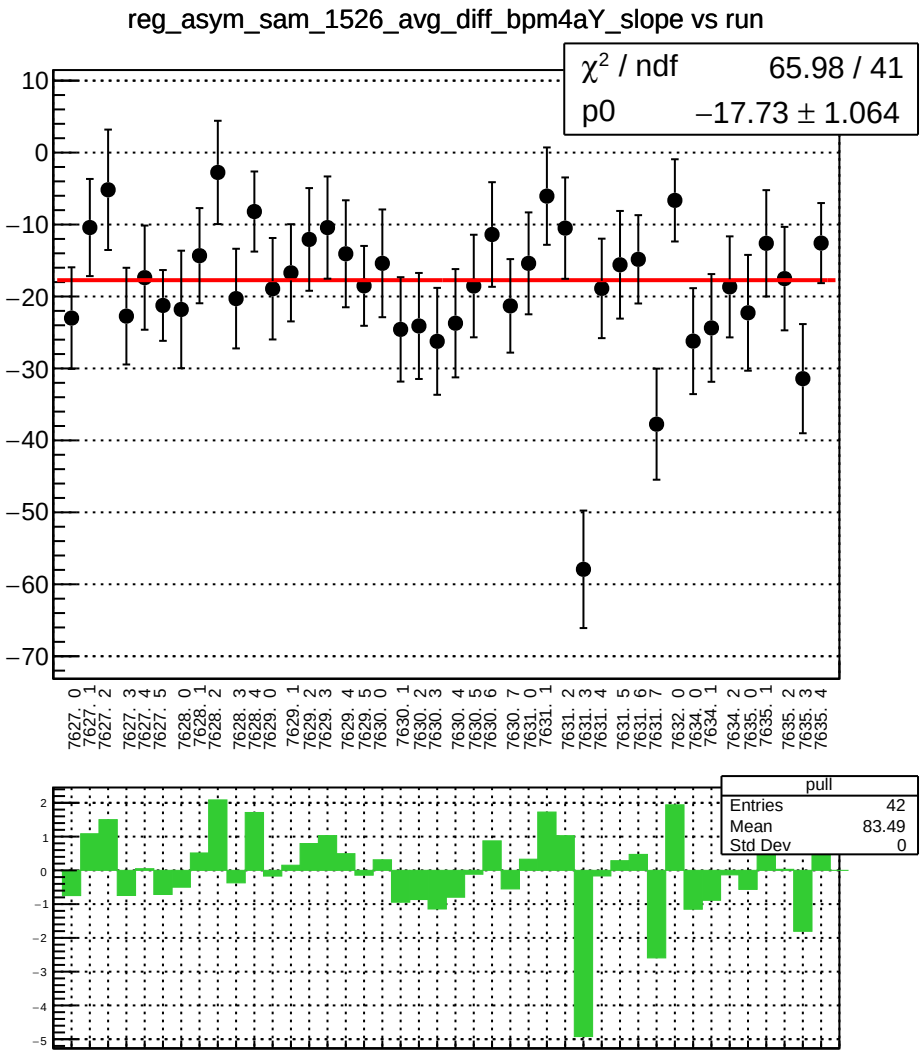

pull1D
Entries 42
Mean −0.0587
Std Dev 0.6205

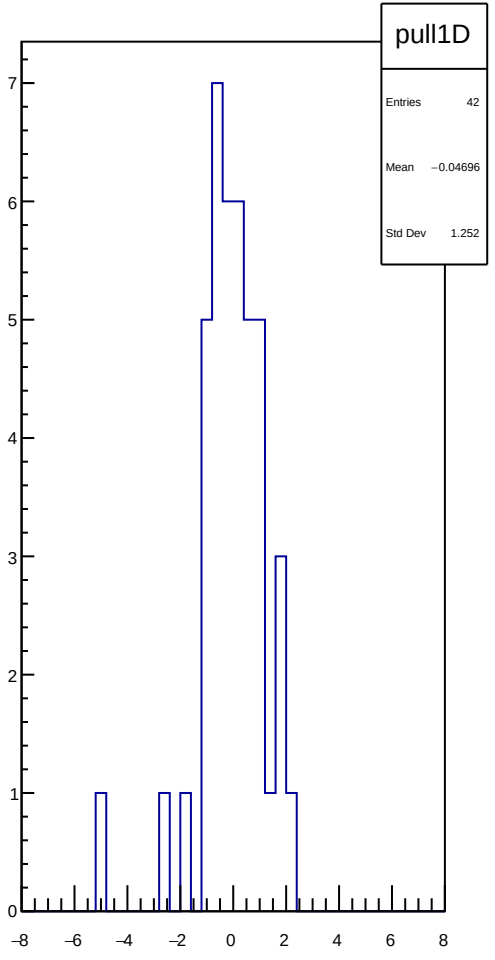

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.79 / 41
p0 93.03 ± 5.467
pull
Entries 42
Mean 454.3
Std Dev 0
pull1D
Entries 42
Mean 0.007441
Std Dev 0.4827

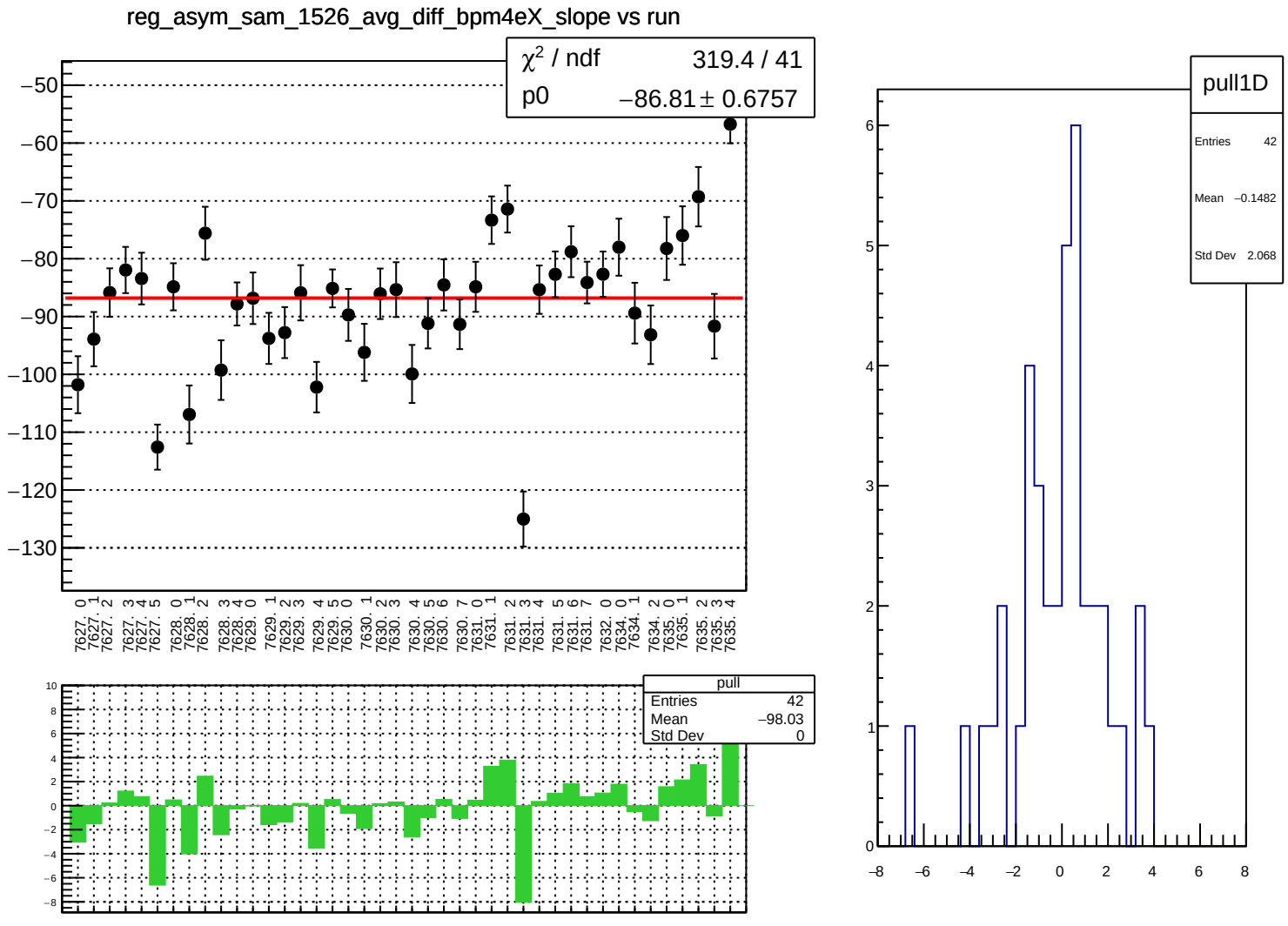

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 17.24 / 41
p0 5.008 ± 0.3725
pull
Entries 42
Mean 41.5
Std Dev 0

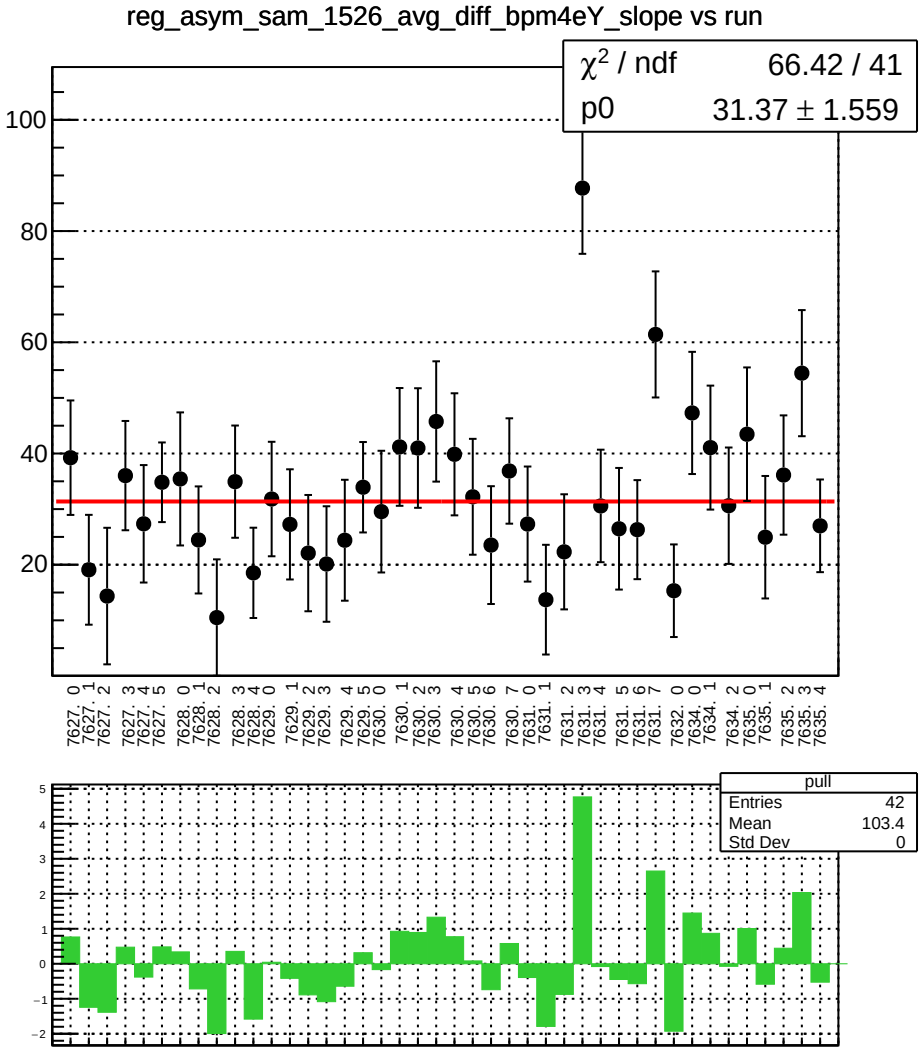

pull1D
Entries 42
Mean 0.09849
Std Dev 0.6331

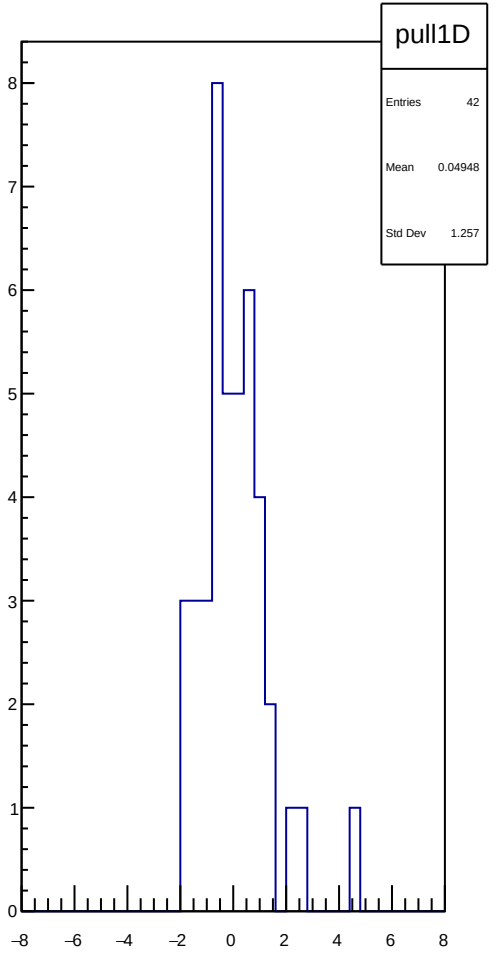

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 321.2 / 41
p0 66.19 ± 0.8421
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −58.82
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
pull1D
Entries 42
Mean 0.1267
Std Dev 2.129
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

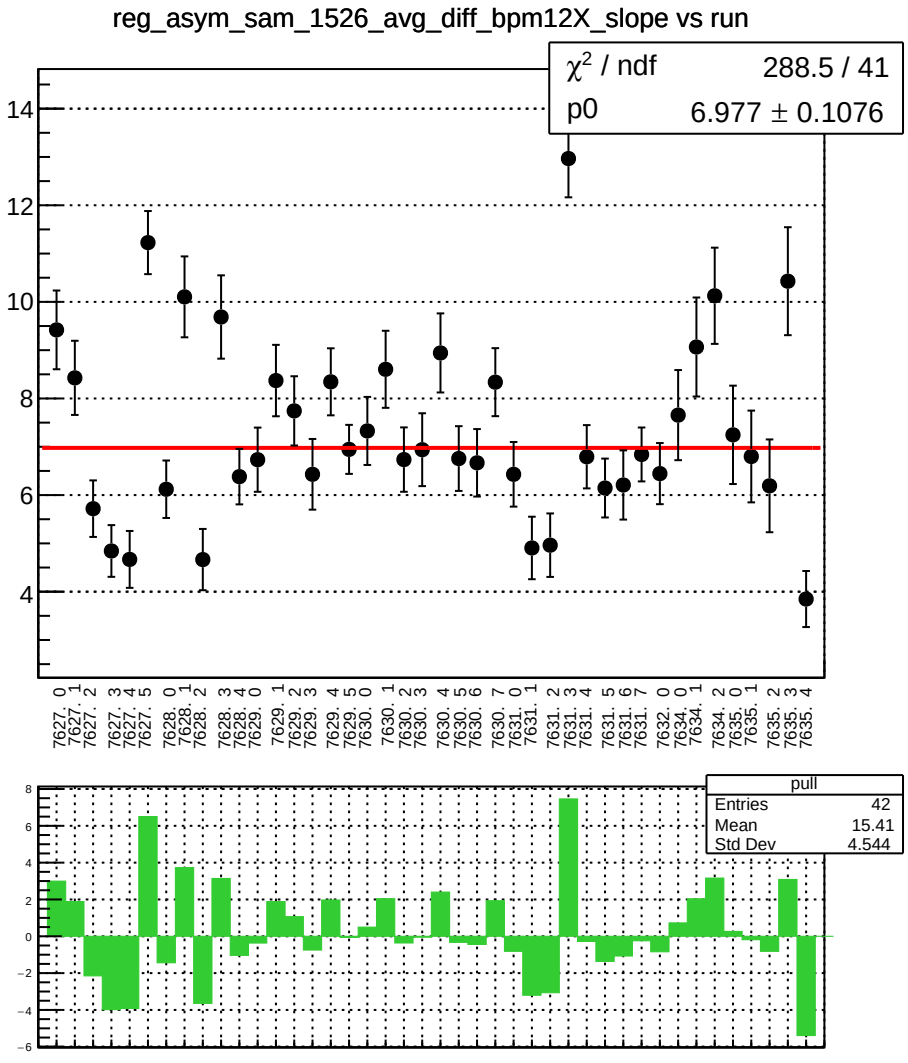

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 65.98 / 41
p0 −17.73 ± 1.064
pull
Entries 42
Mean 83.49
Std Dev 0

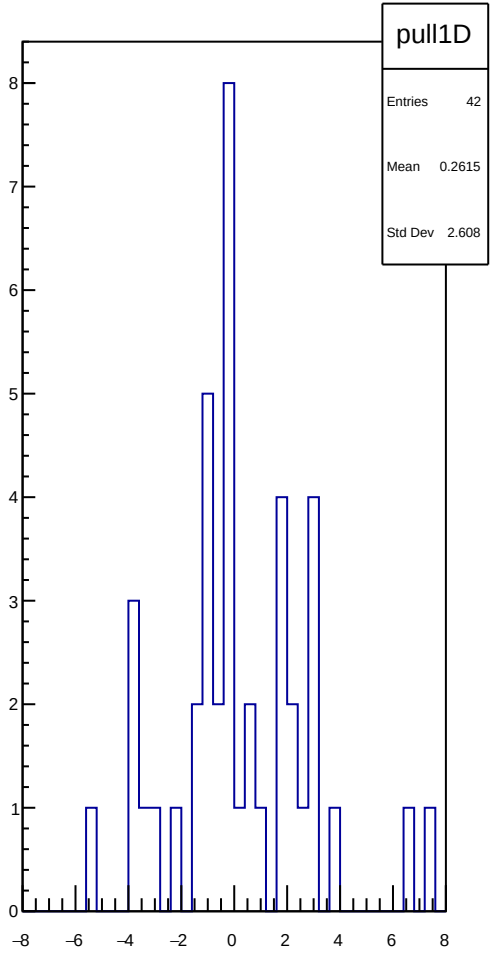

pull1D
Entries 42
Mean −0.04696
Std Dev 1.252

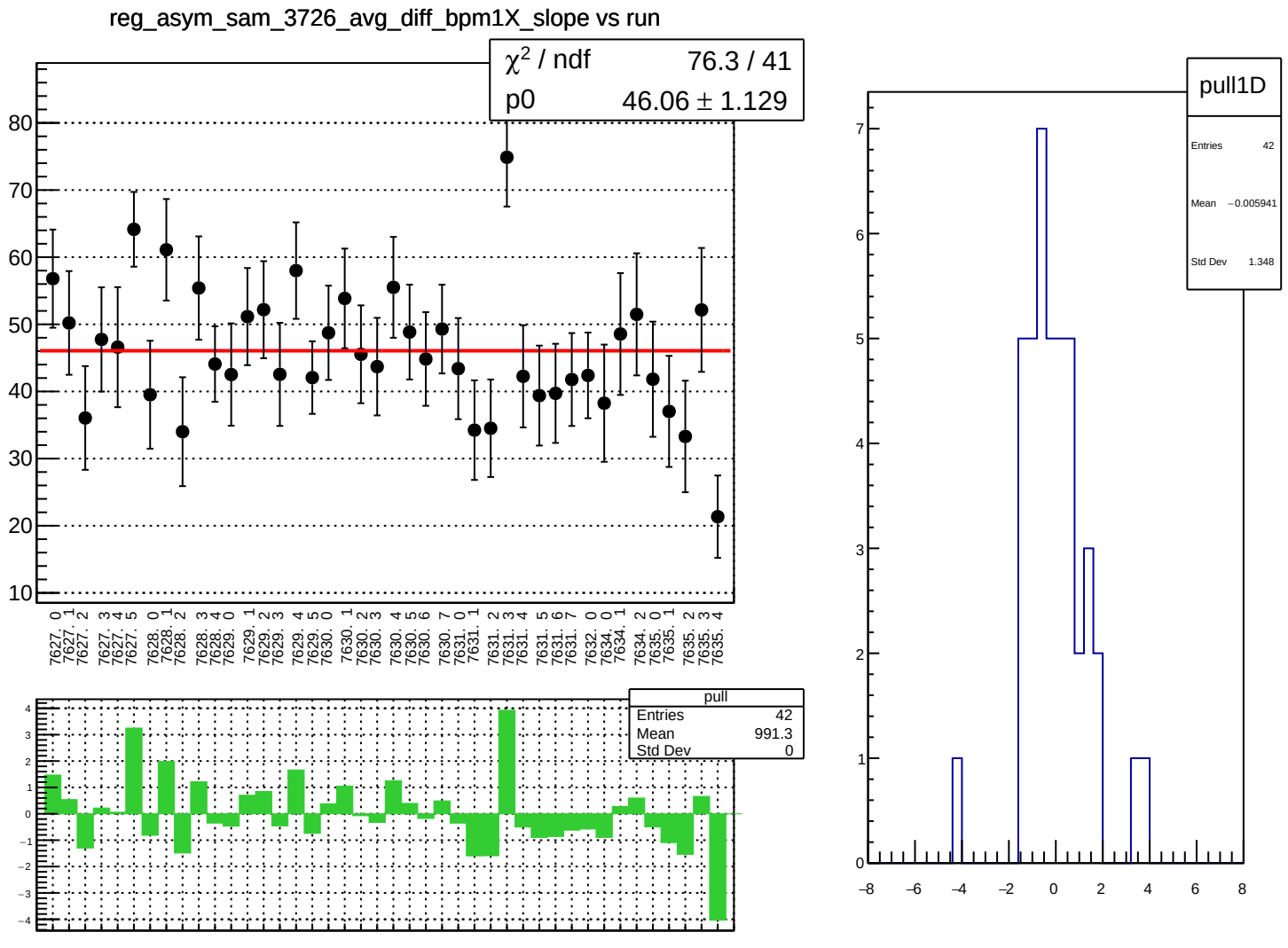

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 319.4 / 41
p0 −86.81 ± 0.6757
pull
Entries 42
Mean −98.03
Std Dev 0
pull1D
Entries 42
Mean −0.1482
Std Dev 2.068

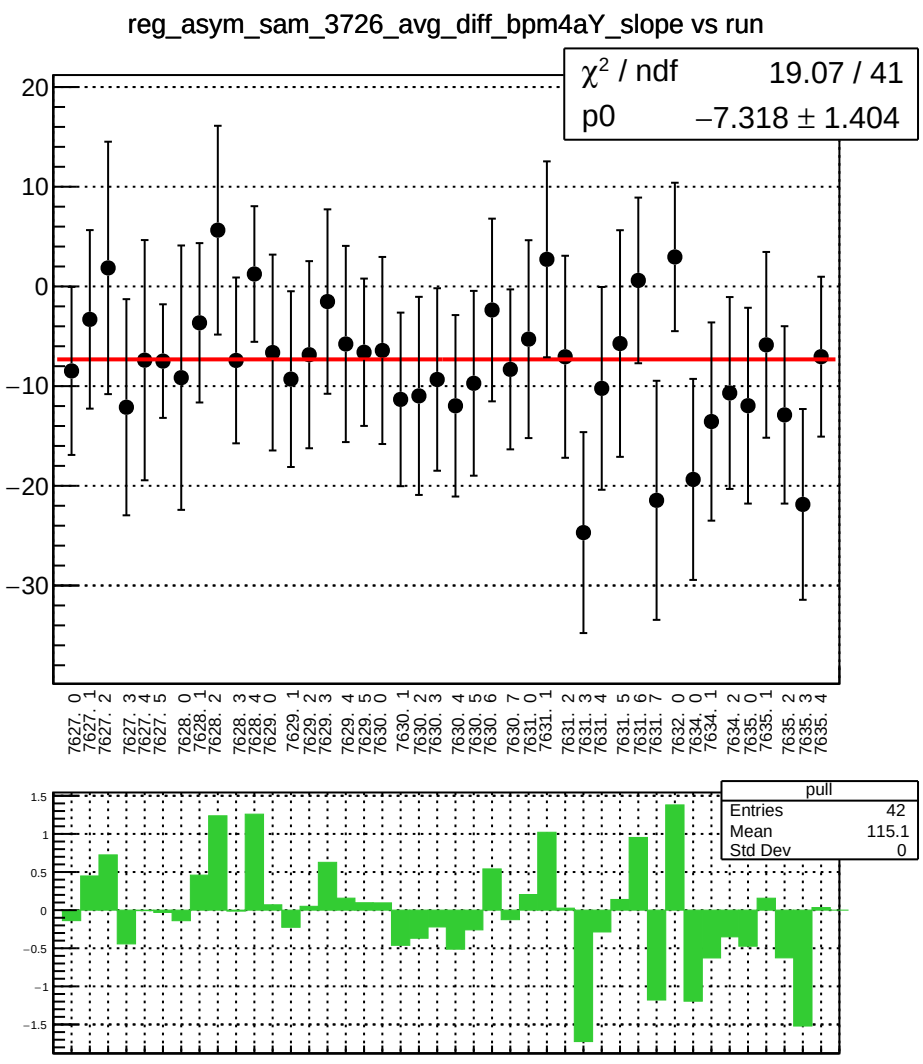

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.42 / 41
p0 31.37 ± 1.559
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 103.4
Std Dev 0
5
4
3
2
1
0
−1
−2

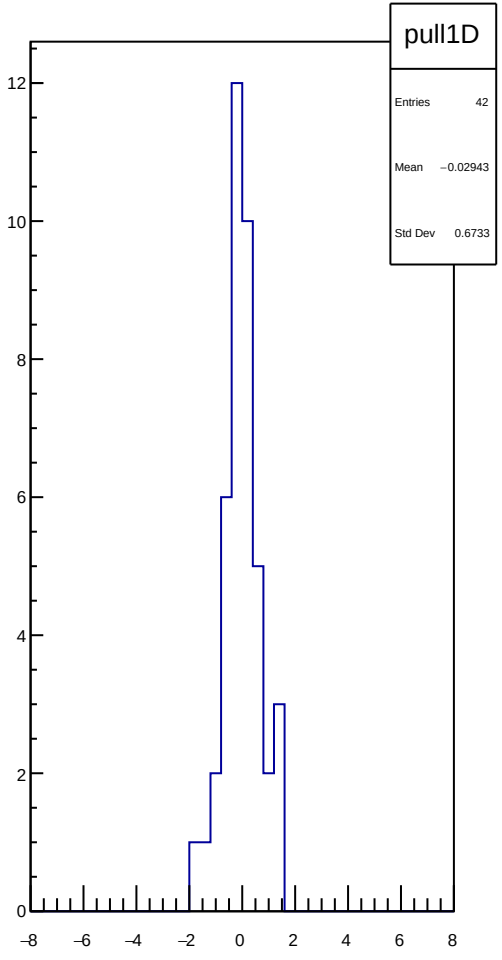

pull1D
Entries 42
Mean 0.04948
Std Dev 1.257
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

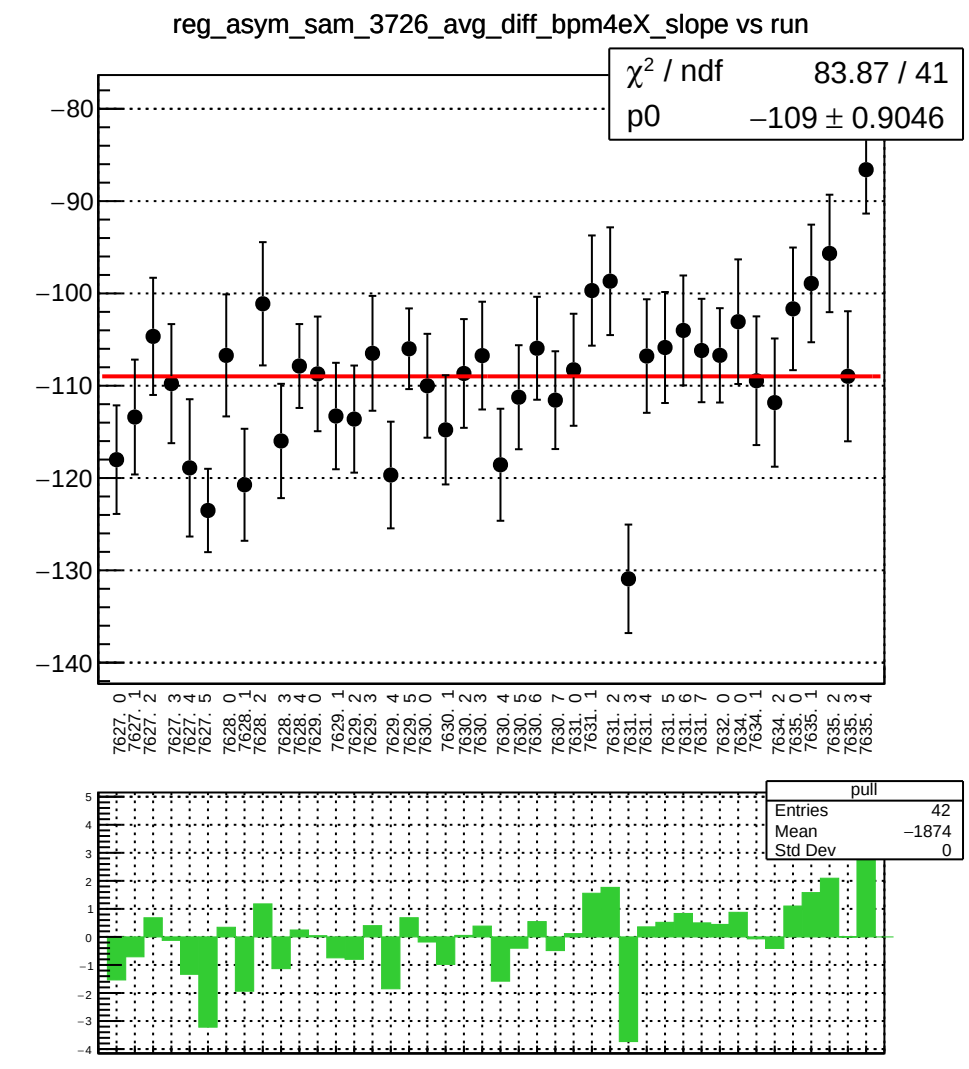

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 288.5 / 41
p0 6.977 ± 0.1076
pull
Entries 42
Mean 15.41
Std Dev 4.544

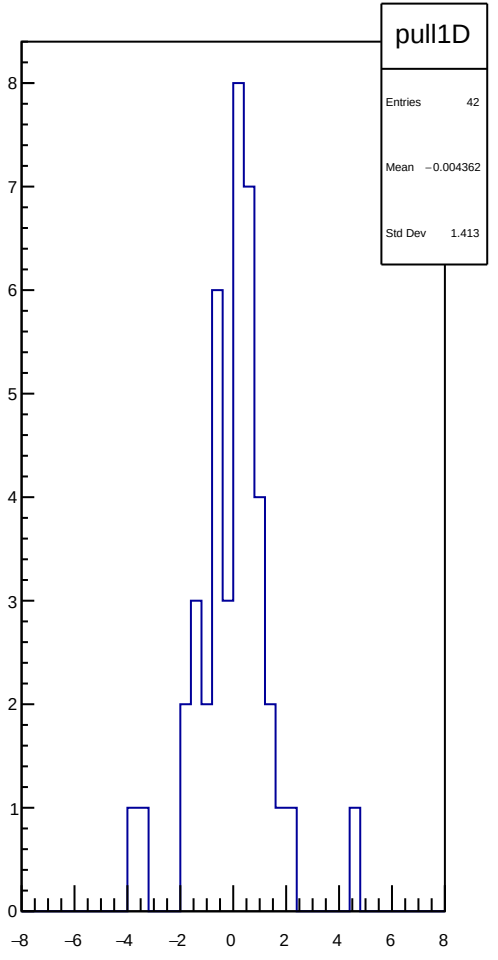

pull1D
Entries 42
Mean 0.2615
Std Dev 2.608

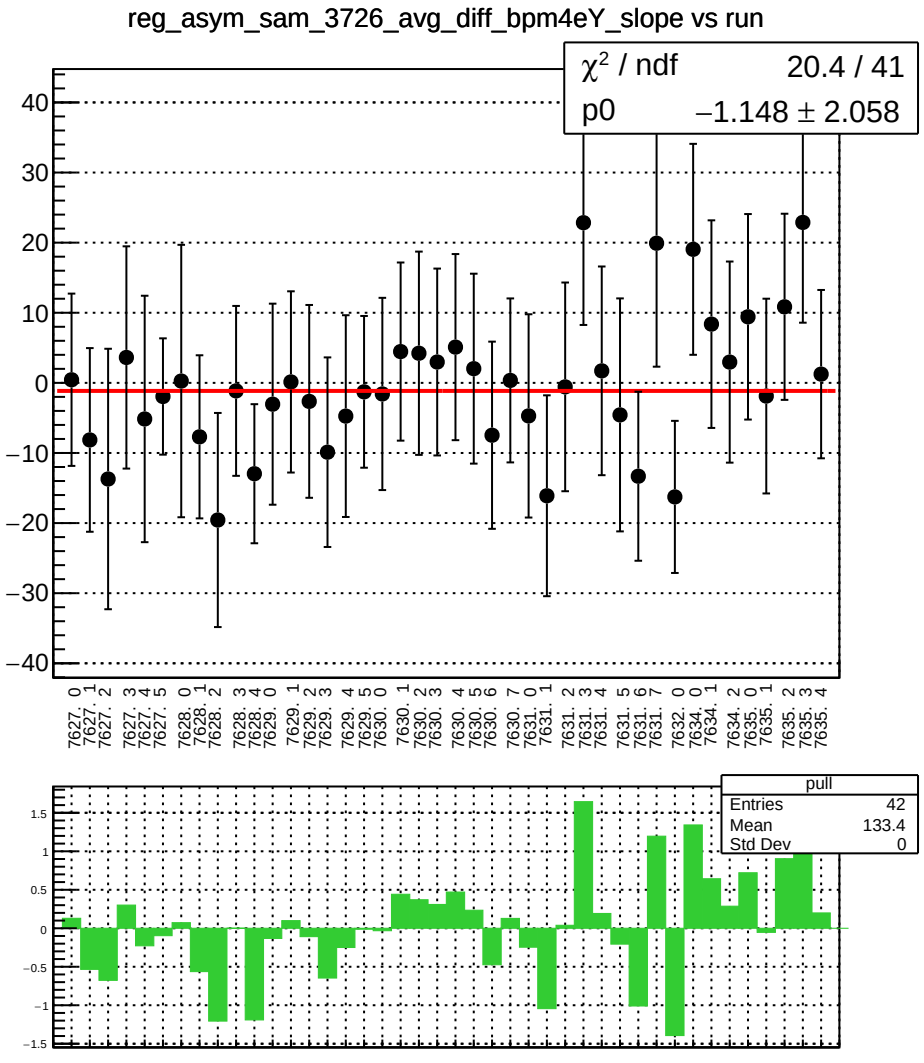

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 76.3 / 41
p0 46.06 ± 1.129
pull
Entries 42
Mean 991.3
Std Dev 0
pull1D
Entries 42
Mean −0.005941
Std Dev 1.348

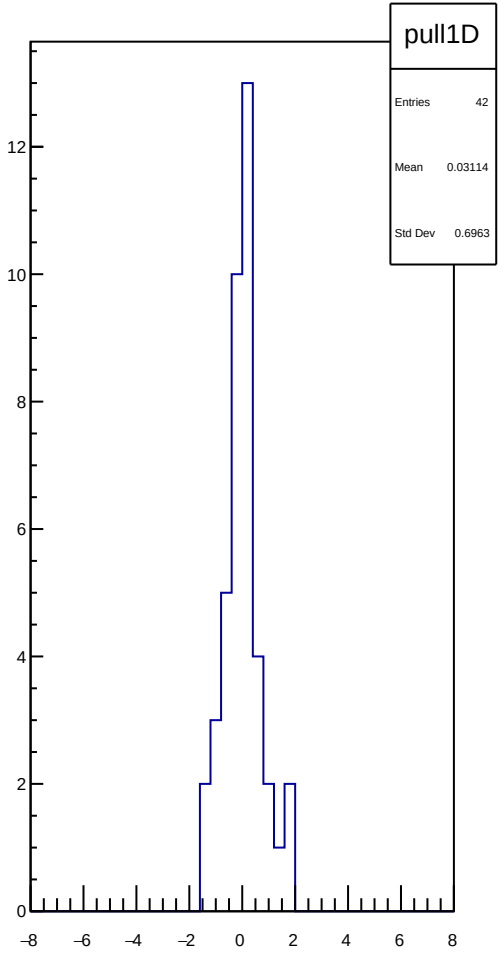

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.07 / 41
p0 −7.318 ± 1.404
pull
Entries 42
Mean 115.1
Std Dev 0

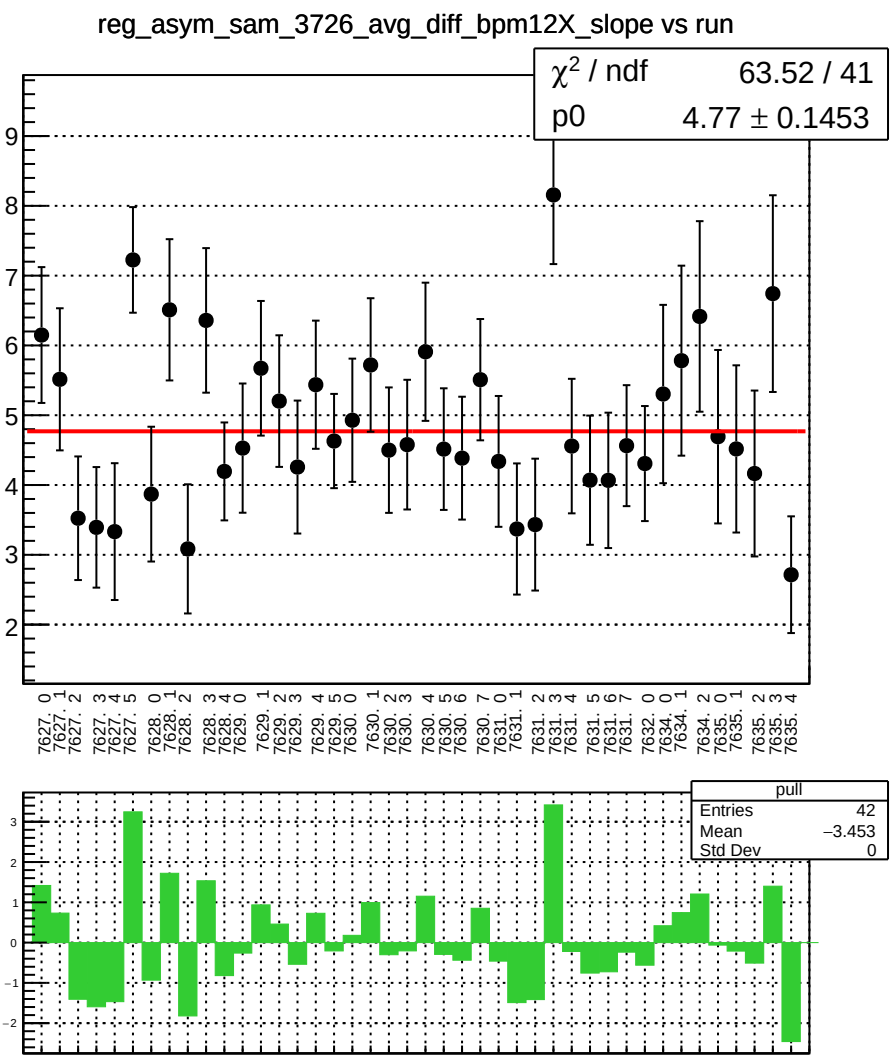

pull1D
Entries 42
Mean −0.02943
Std Dev 0.6733

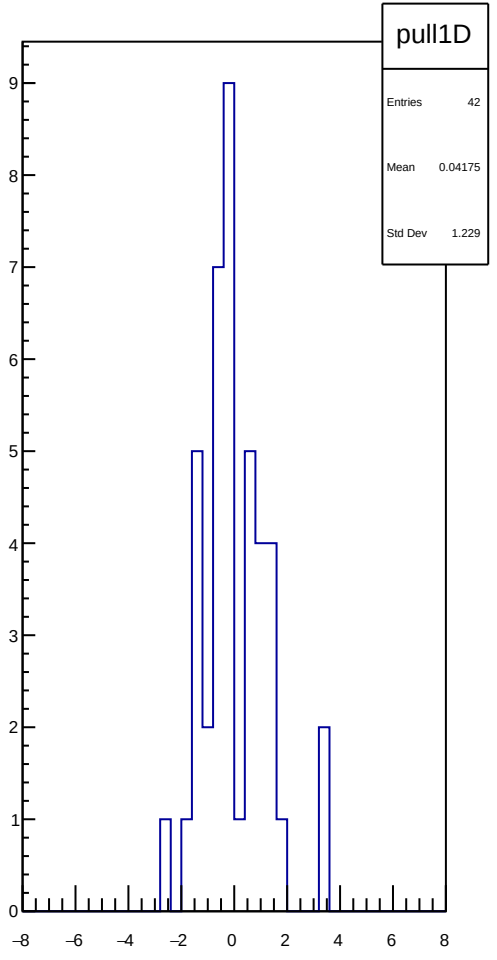

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.87 / 41
p0 −109 ± 0.9046
−80
−90
−100
−110
−120
−130
−140
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1874
Std Dev 0
5
4
3
2
1
0
−1
−2
−3
−4

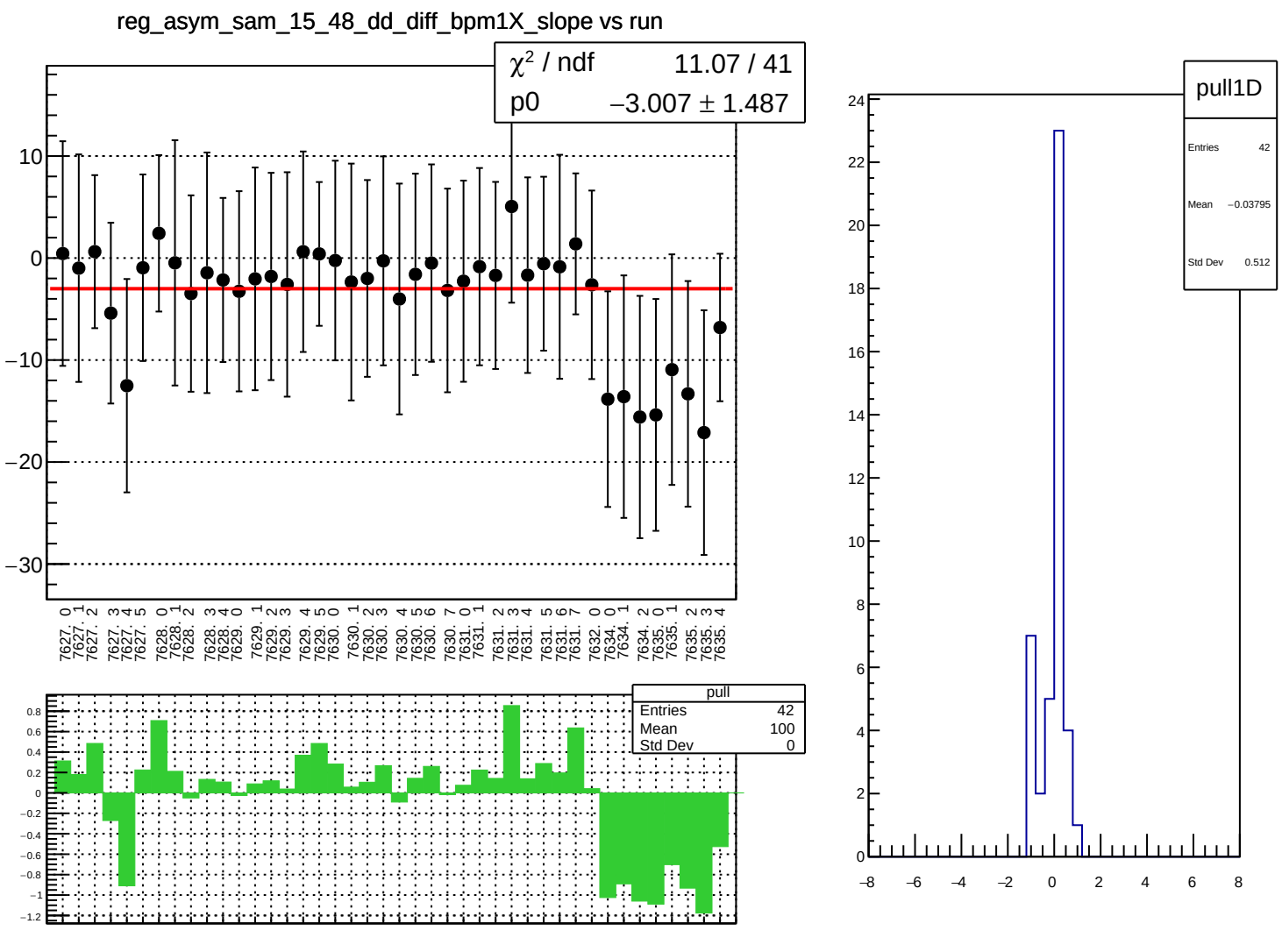

pull1D
Entries 42
Mean −0.004362
Std Dev 1.413
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

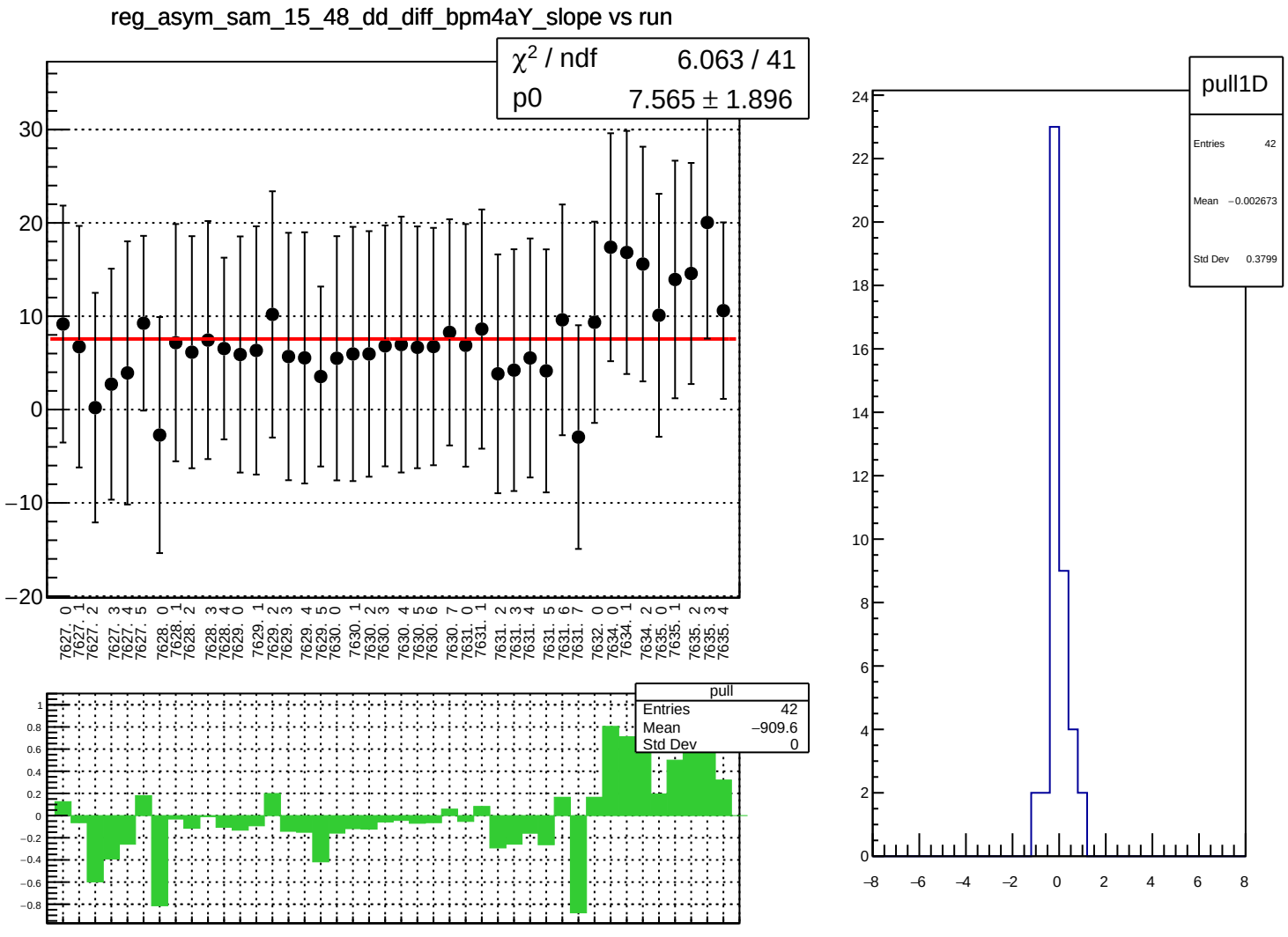

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.4 / 41
p0 −1.148 ± 2.058
pull
Entries 42
Mean 133.4
Std Dev 0

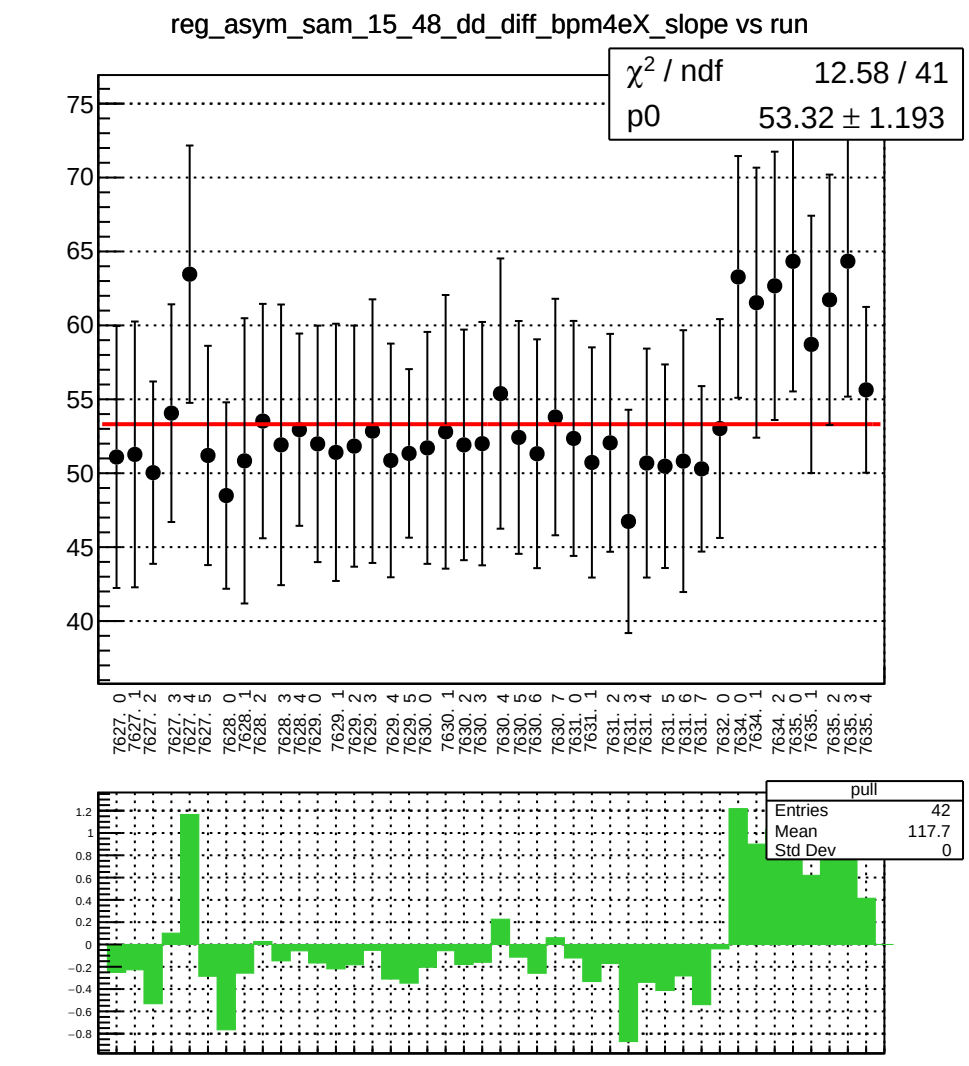

pull1D
Entries 42
Mean 0.03114
Std Dev 0.6963

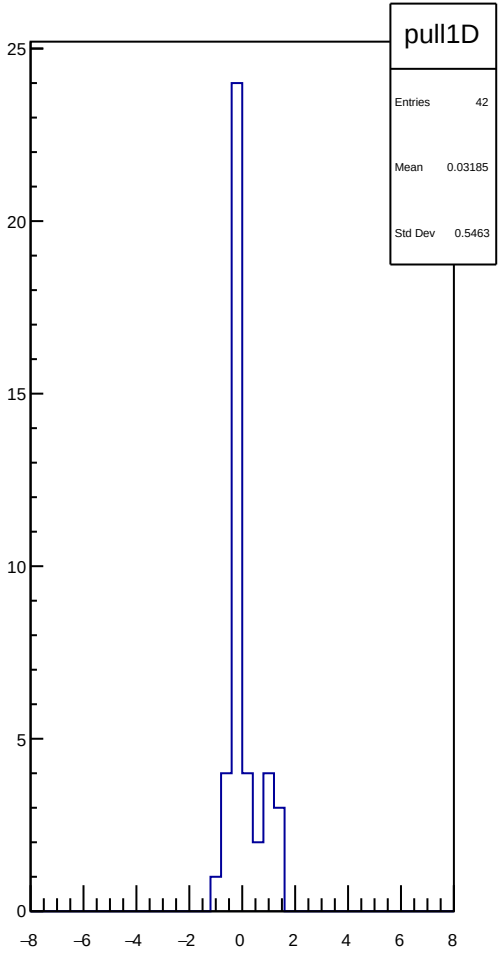

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 63.52 / 41
p0 4.77 ± 0.1453
pull
Entries 42
Mean −3.453
Std Dev 0

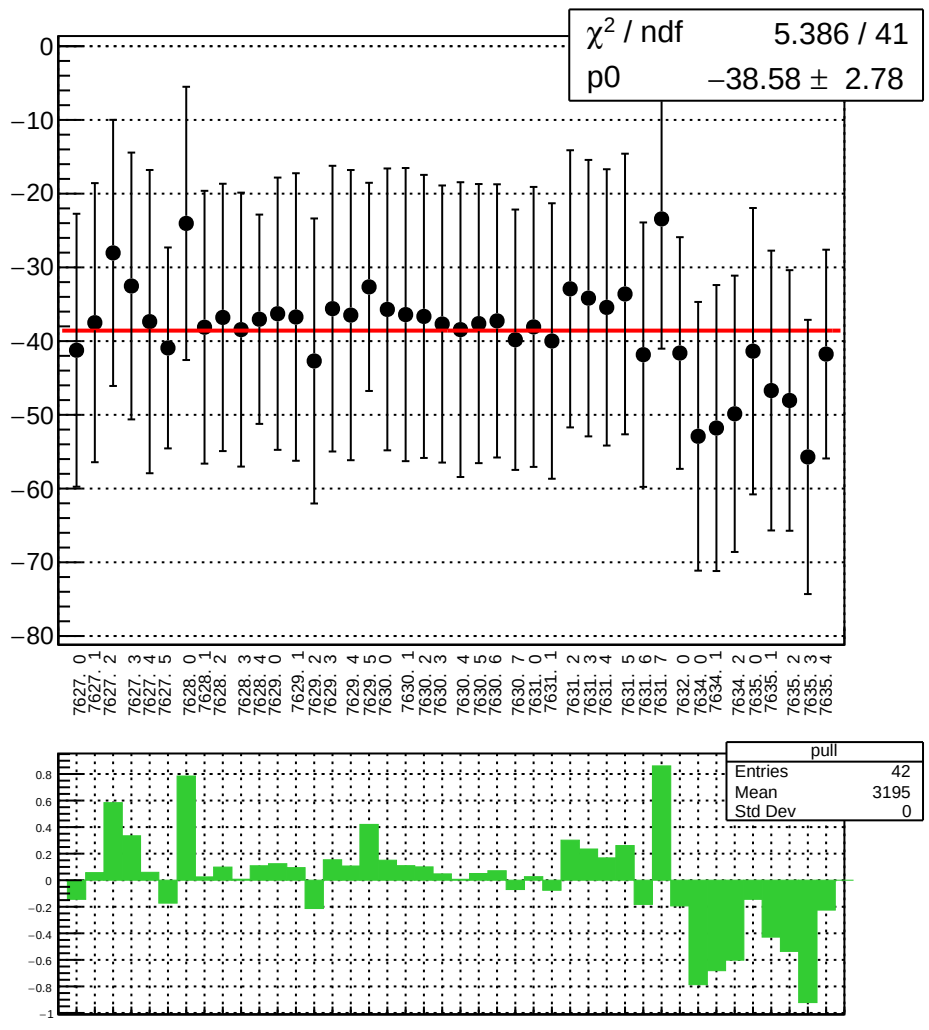

pull1D
Entries 42
Mean 0.04175
Std Dev 1.229

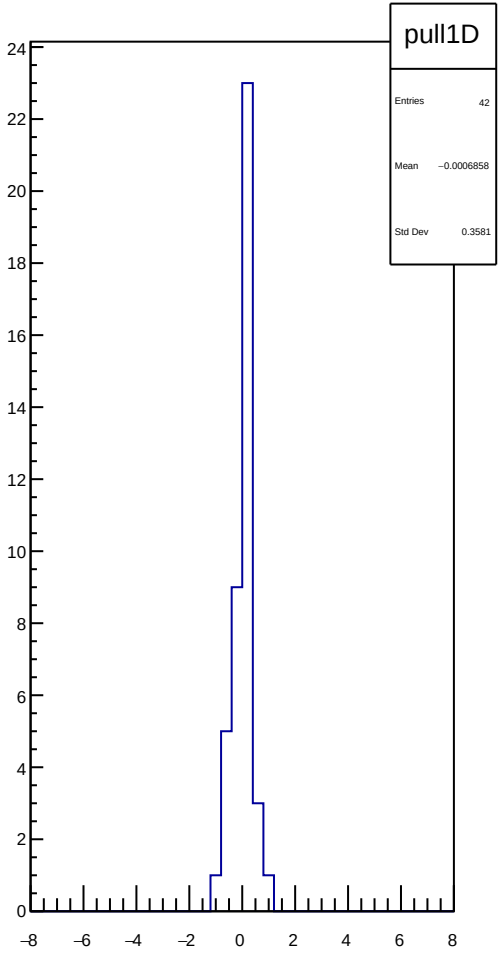

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 11.07 / 41
p0 −3.007 ± 1.487
pull
Entries 42
Mean 100
Std Dev 0
pull1D
Entries 42
Mean −0.03795
Std Dev 0.512

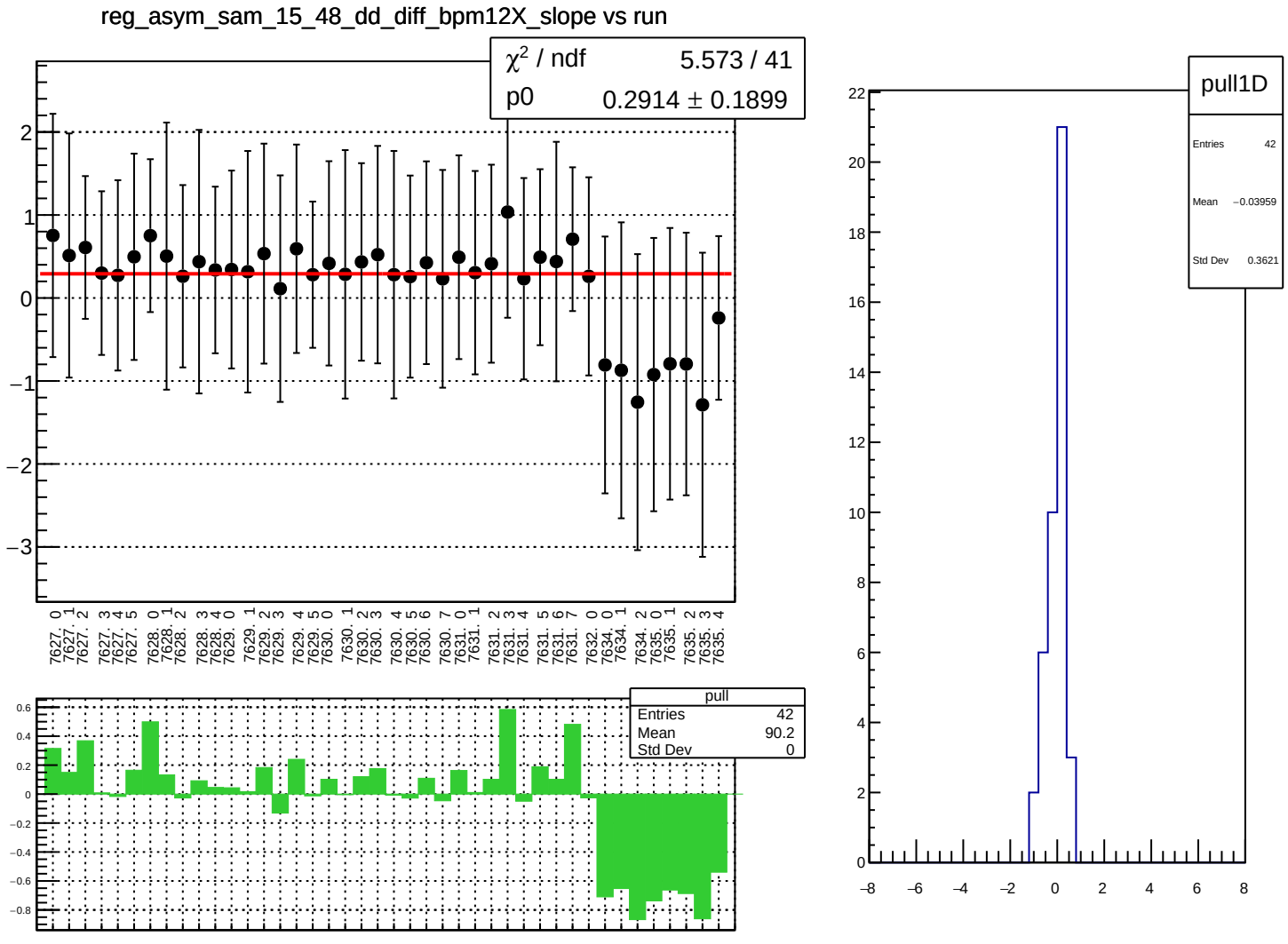

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.063 / 41
p0 7.565 ± 1.896
pull
Entries 42
Mean −909.6
Std Dev 0
pull1D
Entries 42
Mean −0.002673
Std Dev 0.3799

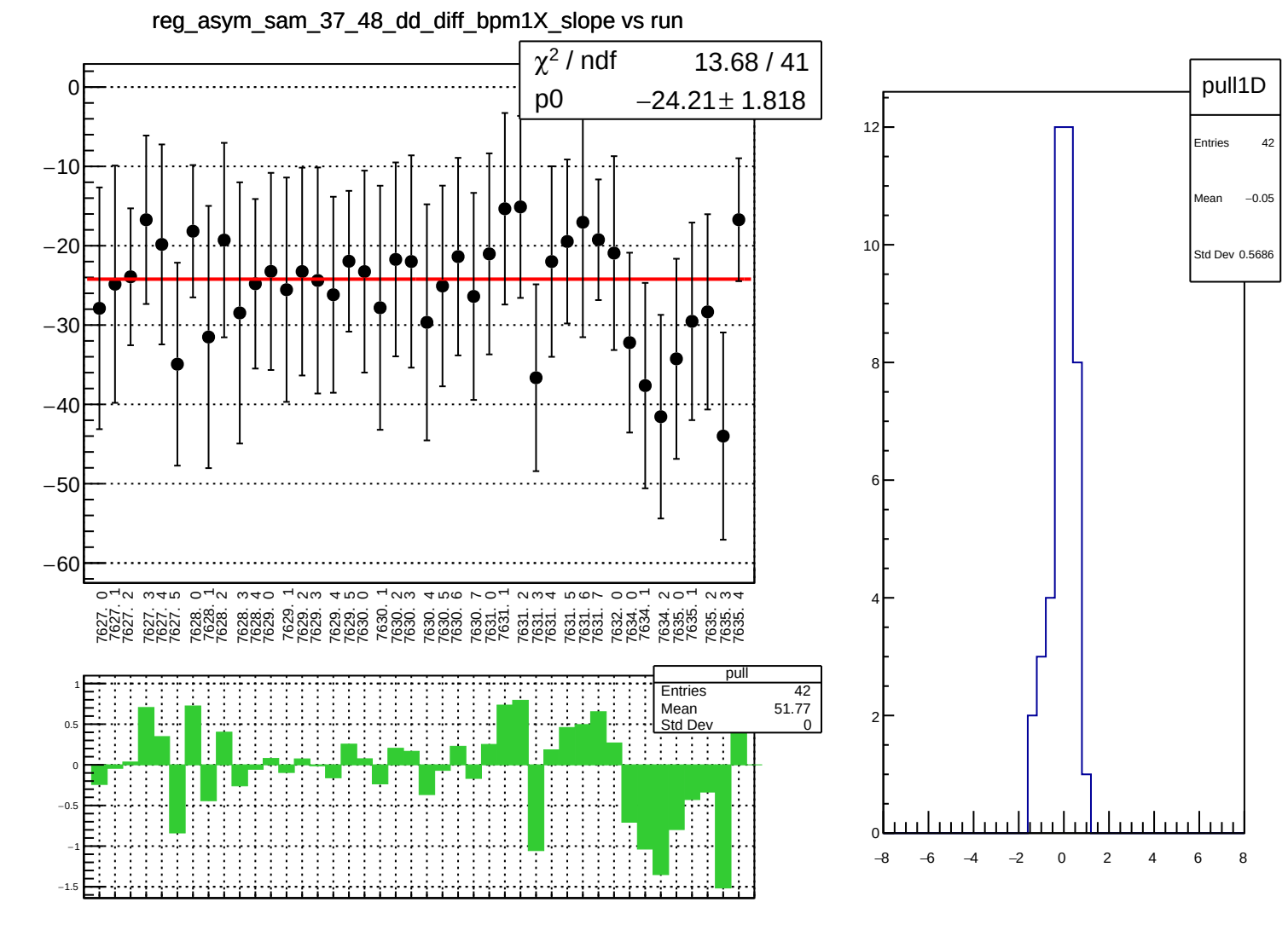

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.58 / 41
p0 53.32 ± 1.193
pull
Entries 42
Mean 117.7
Std Dev 0

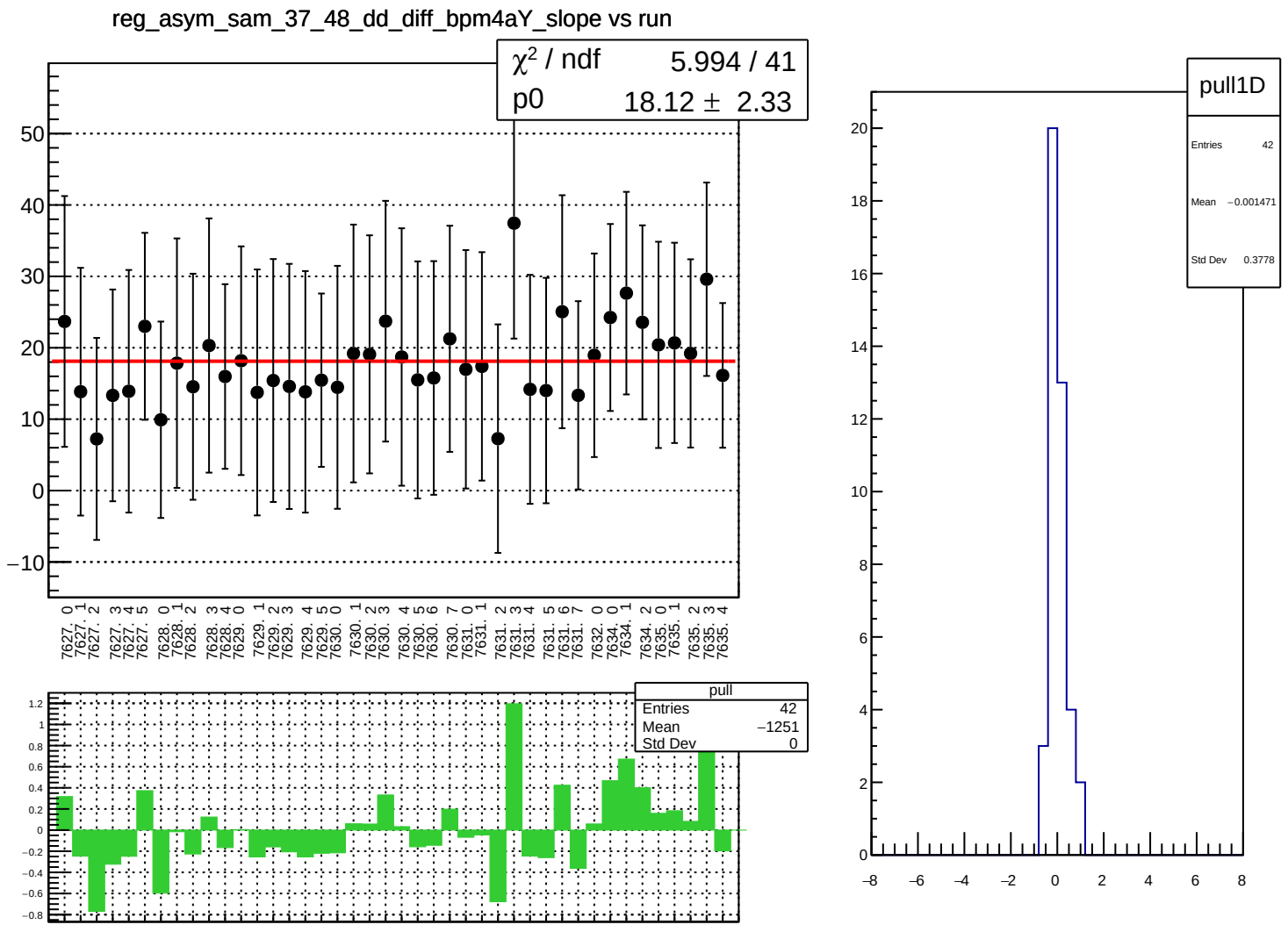

pull1D
Entries 42
Mean 0.03185
Std Dev 0.5463

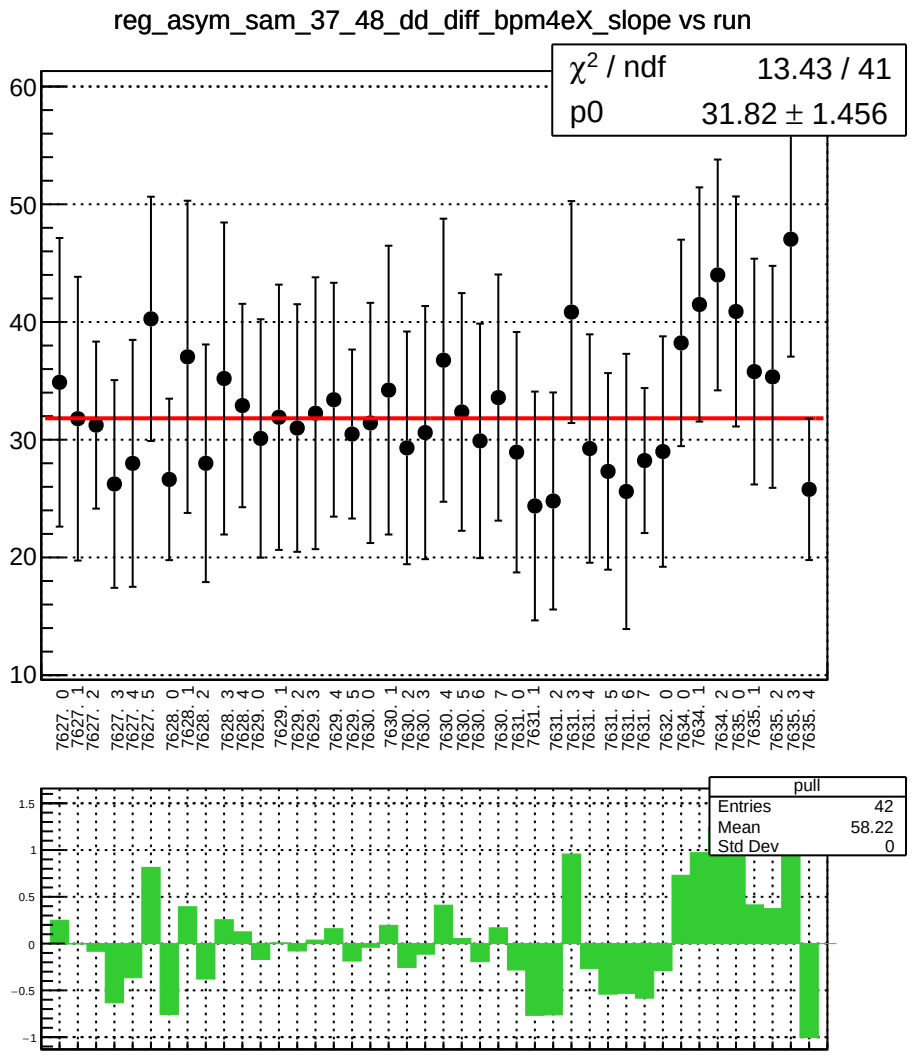

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.386 / 41
p0 −38.58 ± 2.78
pull
Entries 42
Mean 3195
Std Dev 0

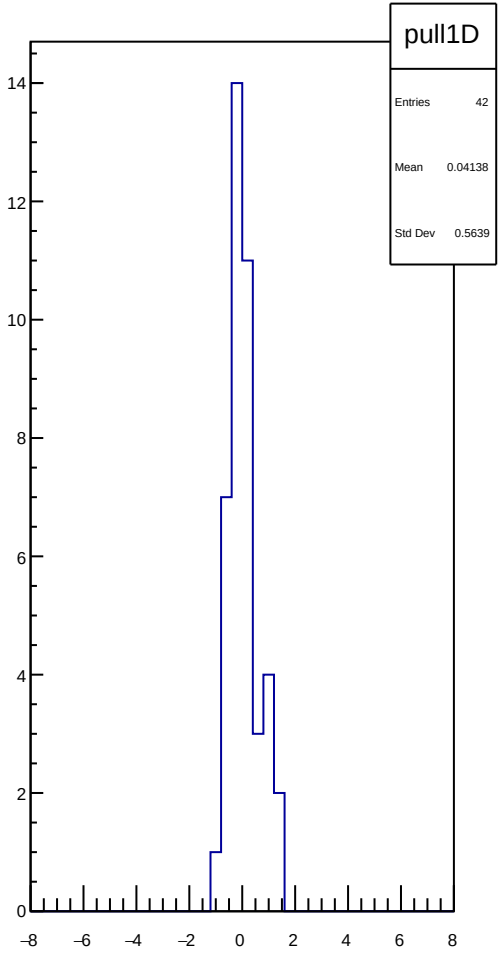

pull1D
Entries 42
Mean −0.0006858
Std Dev 0.3581

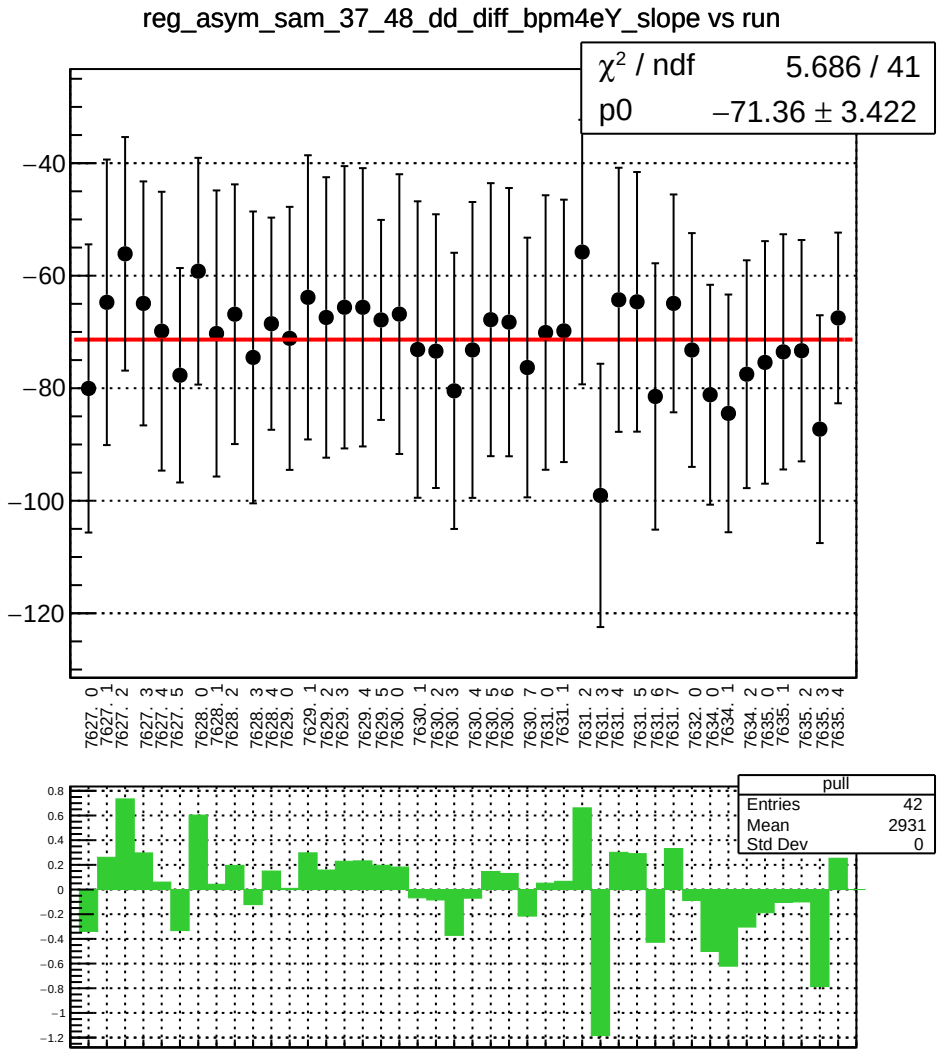

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.573 / 41
p0 0.2914 ± 0.1899
pull
Entries 42
Mean 90.2
Std Dev 0
pull1D
Entries 42
Mean −0.03959
Std Dev 0.3621

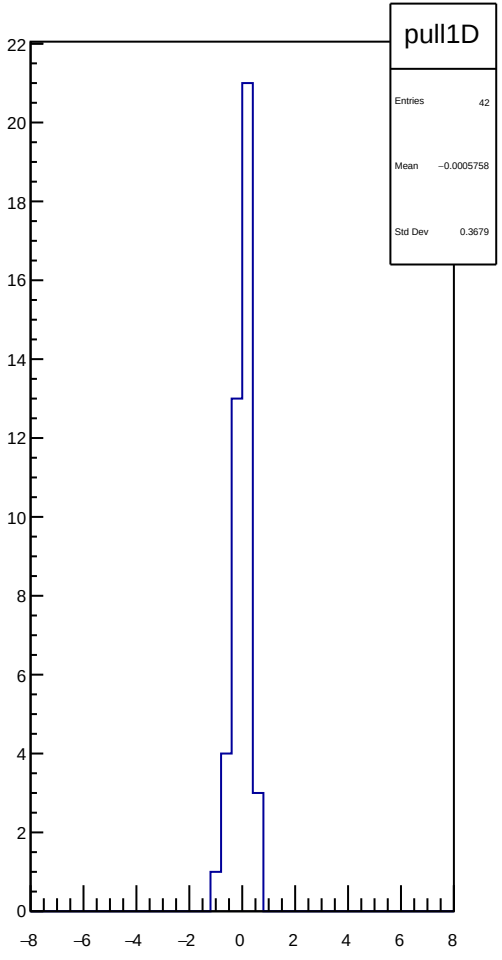

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 13.68 / 41
p0 −24.21± 1.818
0
−10
−20
−30
−40
−50
−60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 51.77
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean −0.05
Std Dev 0.5686
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

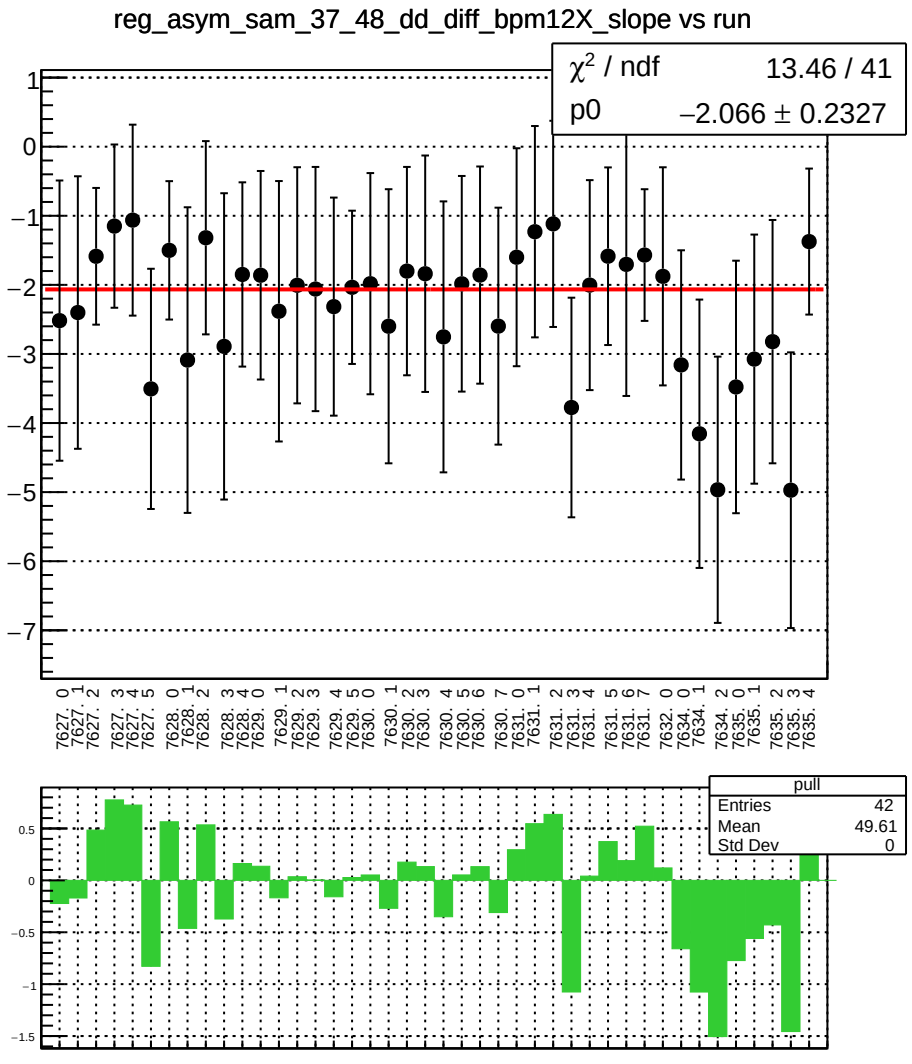

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.994 / 41
p0 18.12 ± 2.33
pull
Entries 42
Mean −1251
Std Dev 0
pull1D
Entries 42
Mean −0.001471
Std Dev 0.3778

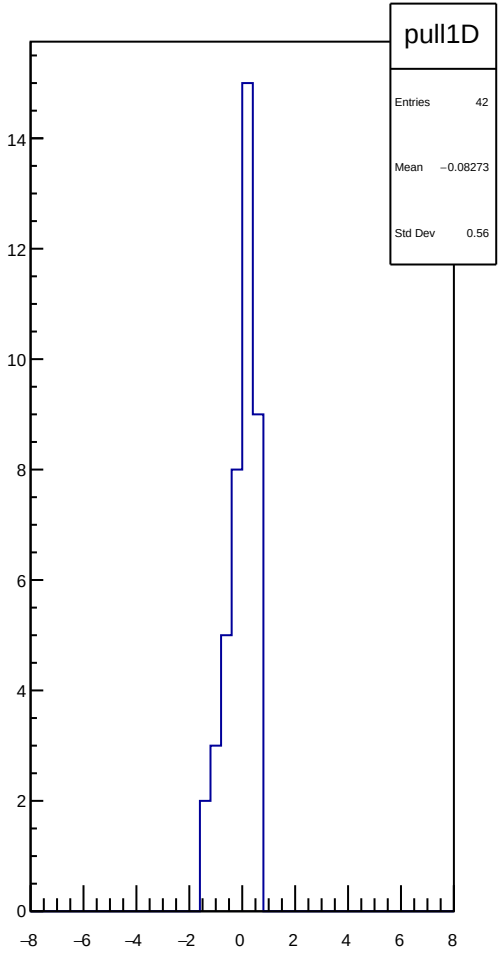

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.43 / 41
p0 31.82 ± 1.456
pull
Entries 42
Mean 58.22
Std Dev 0

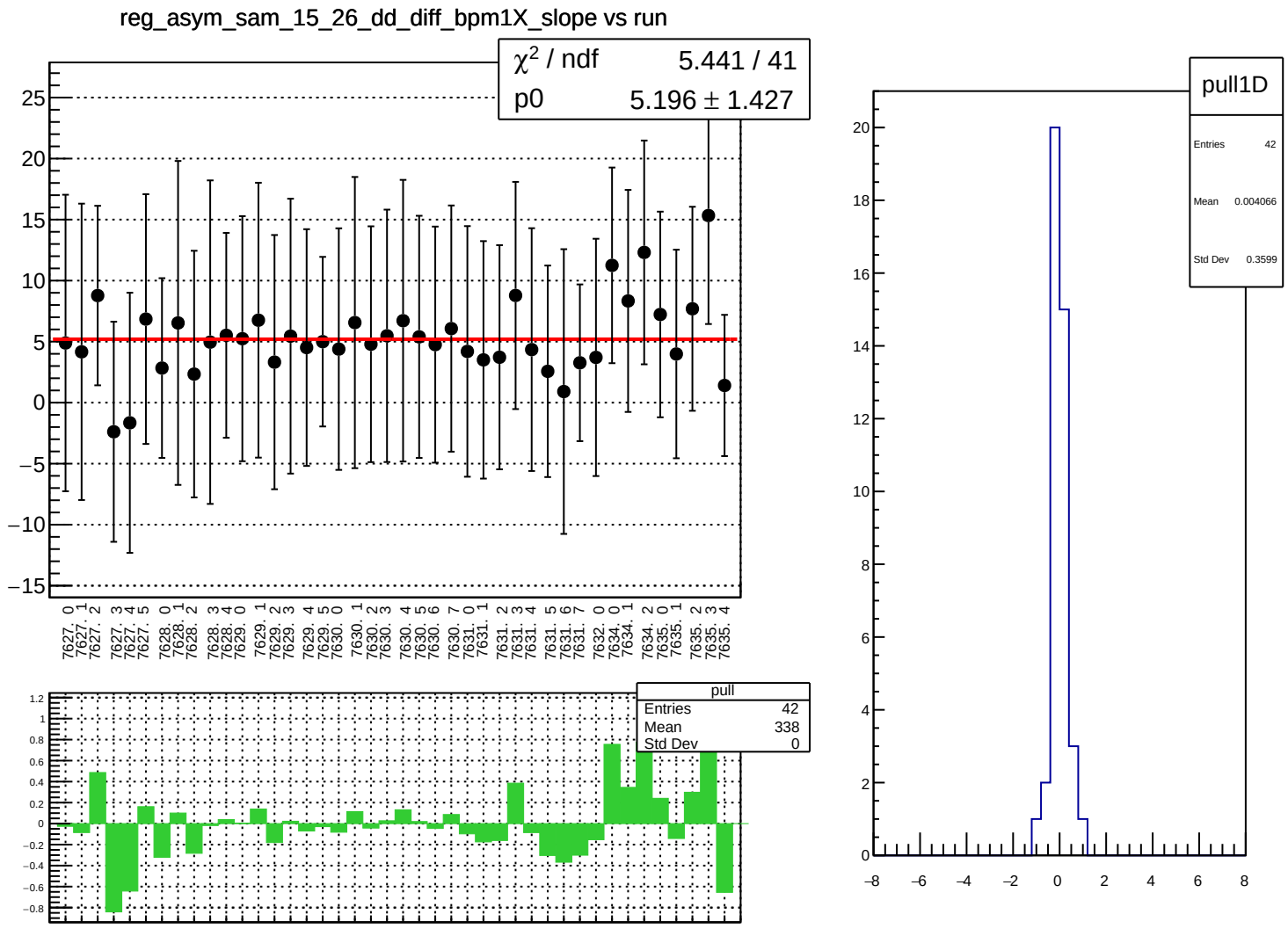

pull1D
Entries 42
Mean 0.04138
Std Dev 0.5639

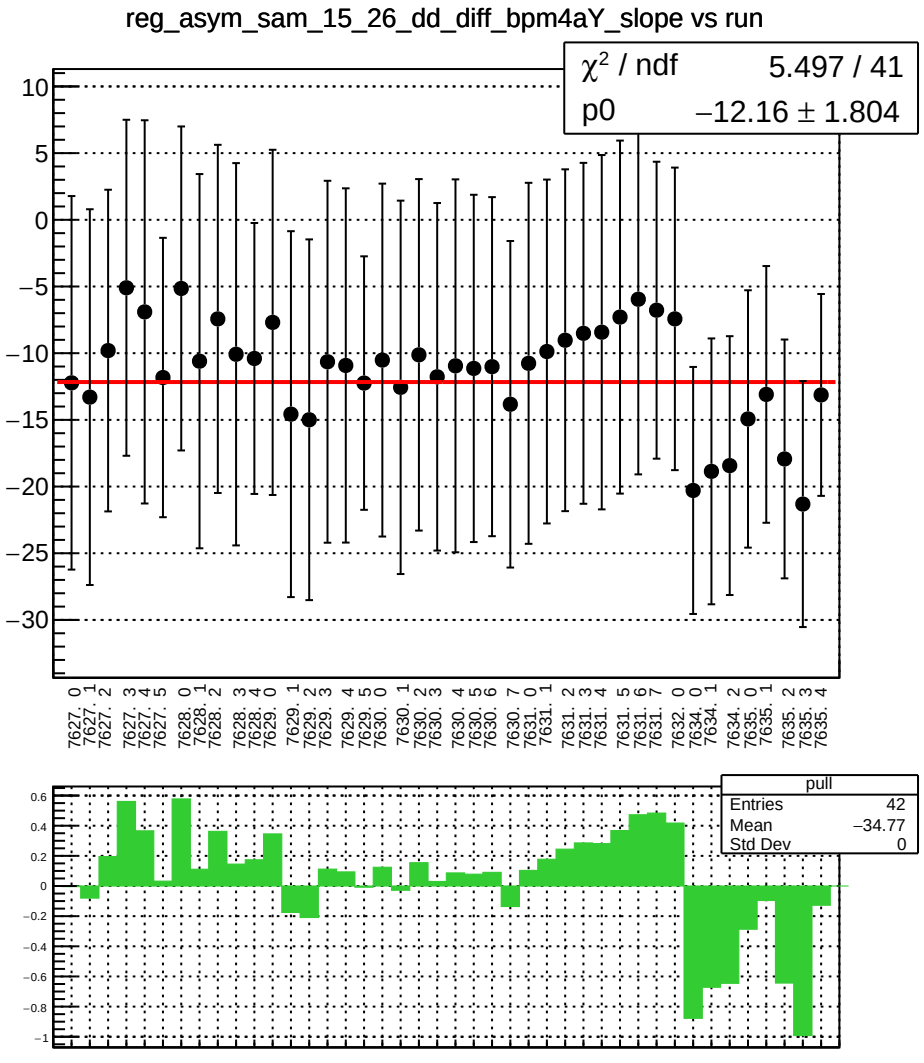

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.686 / 41
p0 −71.36 ± 3.422
−40
−60
−80
−100
−120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2931
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

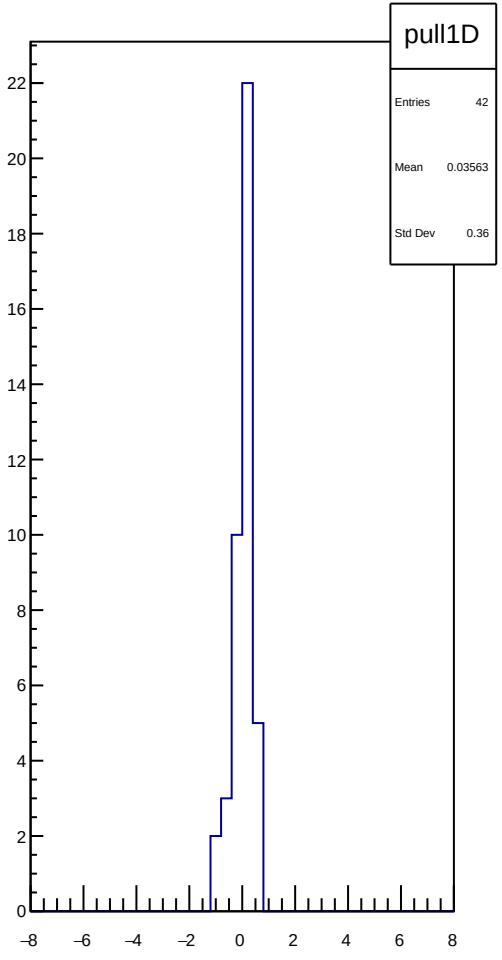

pull1D
Entries 42
Mean −0.0005758
Std Dev 0.3679
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

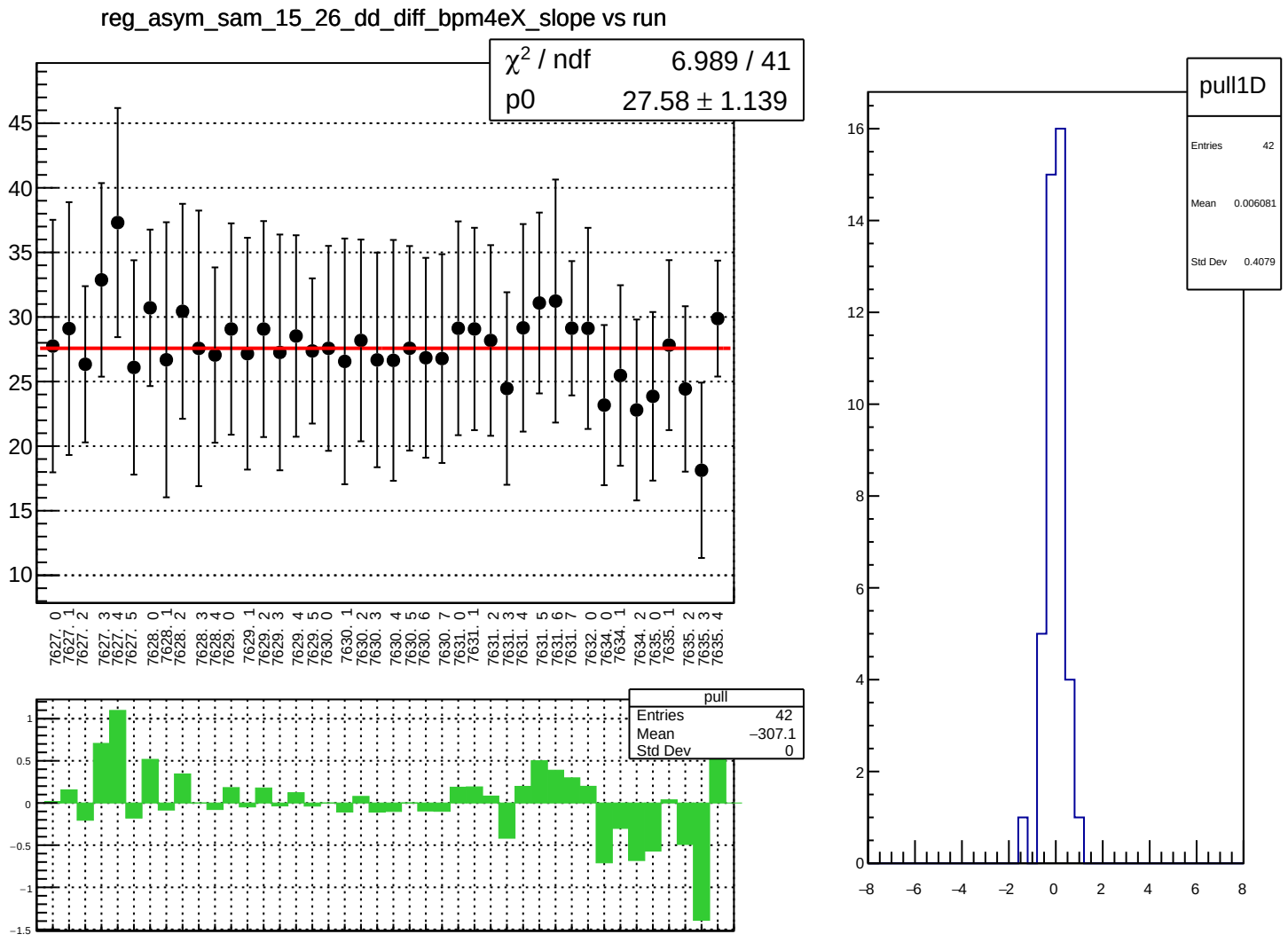

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.46 / 41
p0 −2.066 ± 0.2327
pull
Entries 42
Mean 49.61
Std Dev 0

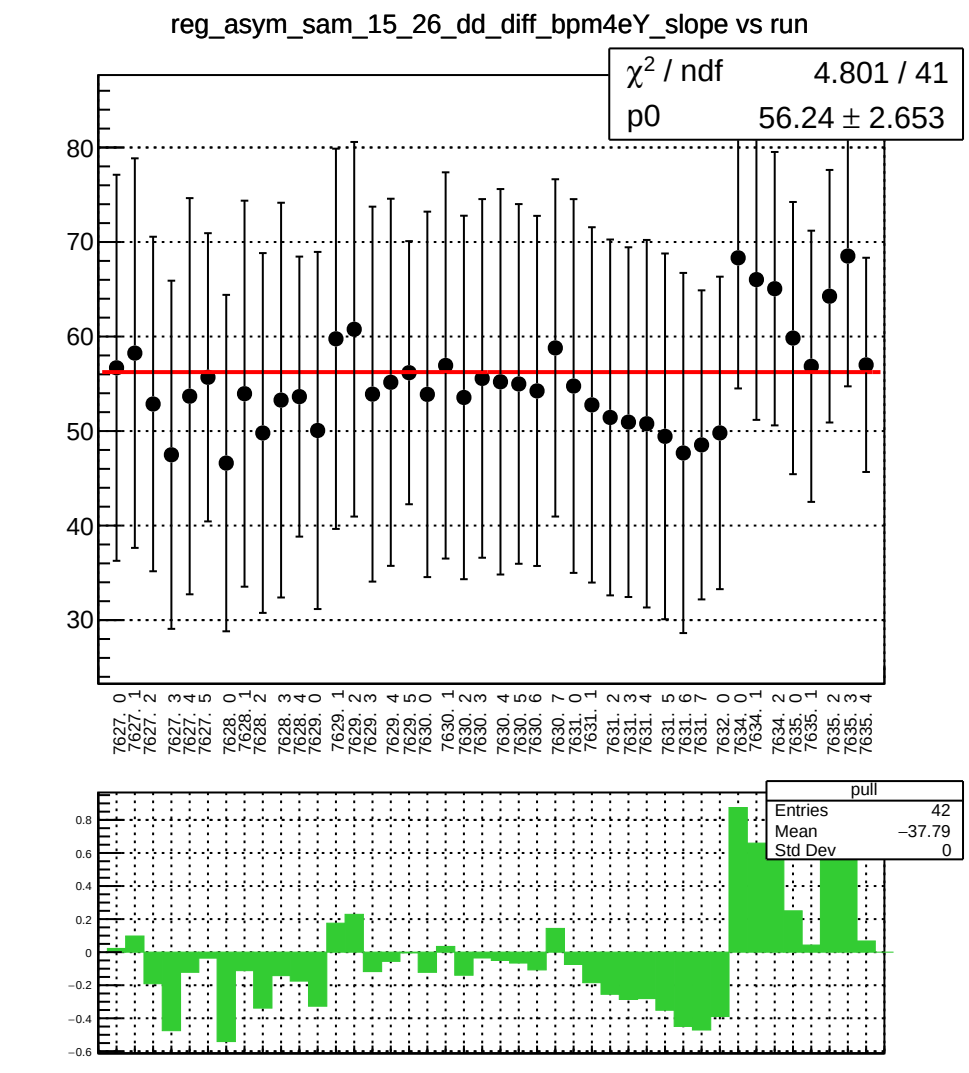

pull1D
Entries 42
Mean −0.08273
Std Dev 0.56

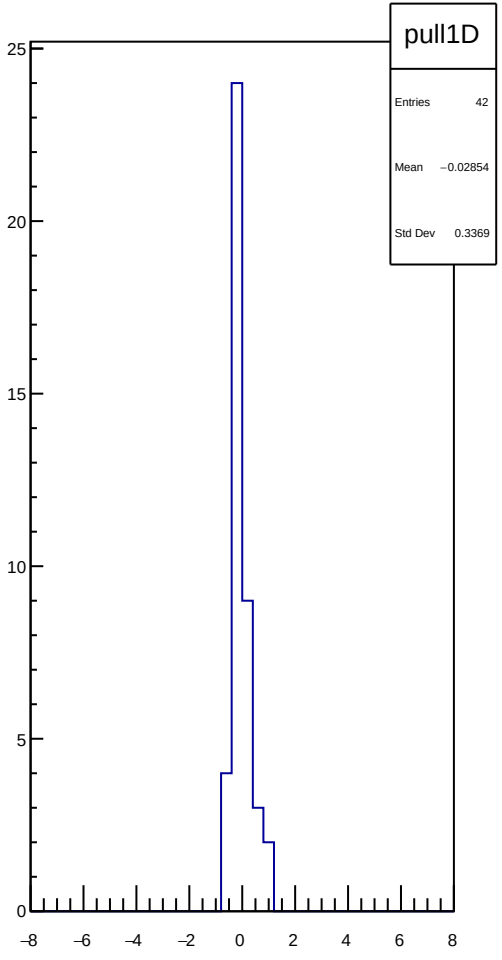

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.441 / 41
p0 5.196 ± 1.427
pull
Entries 42
Mean 338
Std Dev 0
pull1D
Entries 42
Mean 0.004066
Std Dev 0.3599

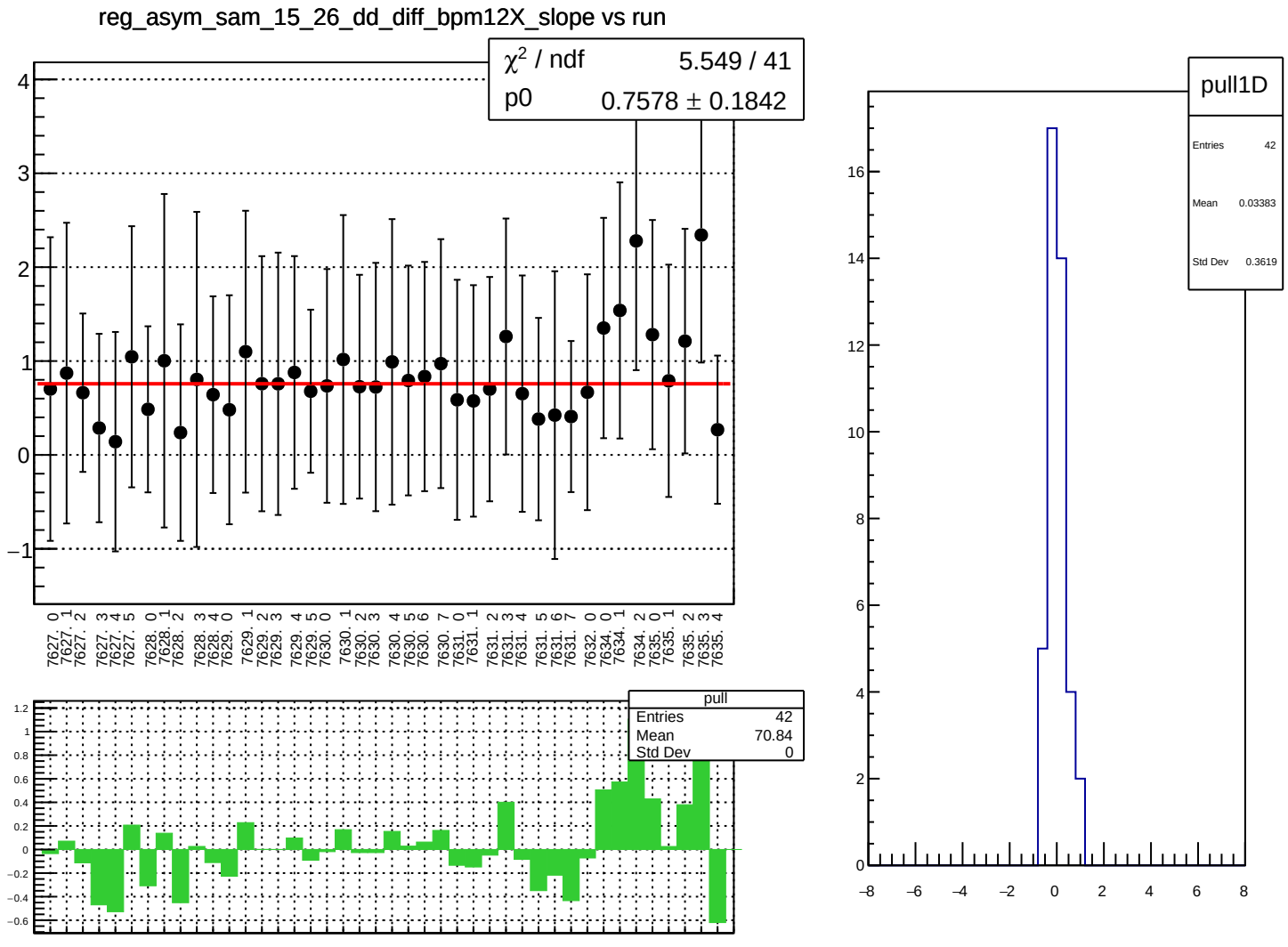

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.497 / 41
p0 −12.16 ± 1.804
pull
Entries 42
Mean −34.77
Std Dev 0

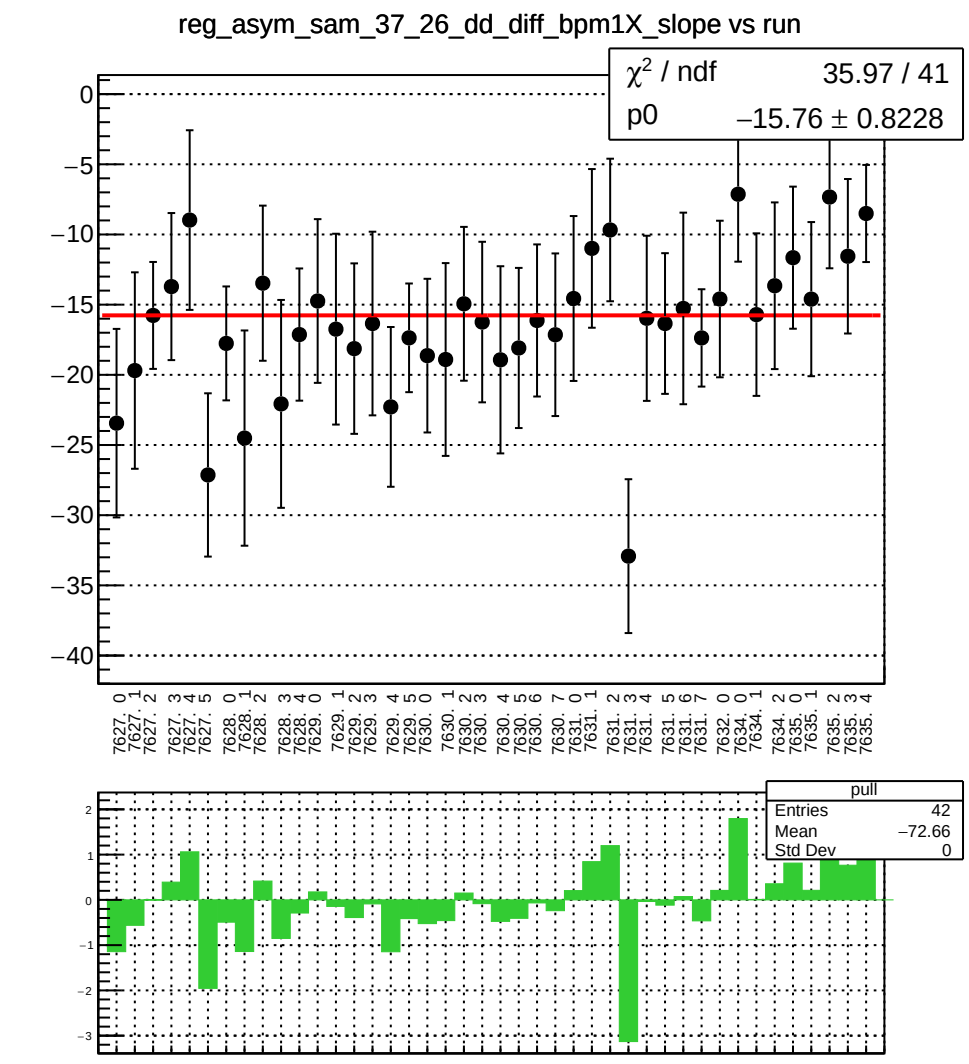

pull1D
Entries 42
Mean 0.03563
Std Dev 0.36

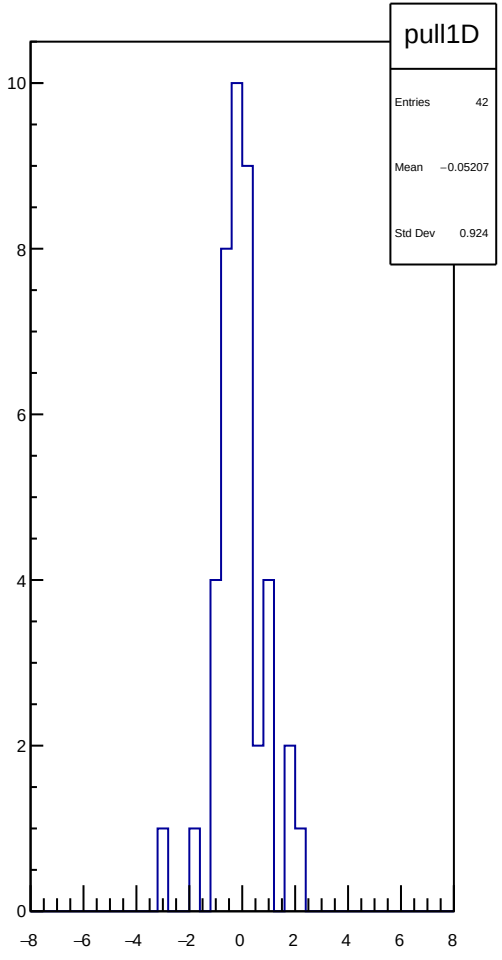

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.989 / 41
p0 27.58 ± 1.139
pull
Entries 42
Mean −307.1
Std Dev 0
pull1D
Entries 42
Mean 0.006081
Std Dev 0.4079

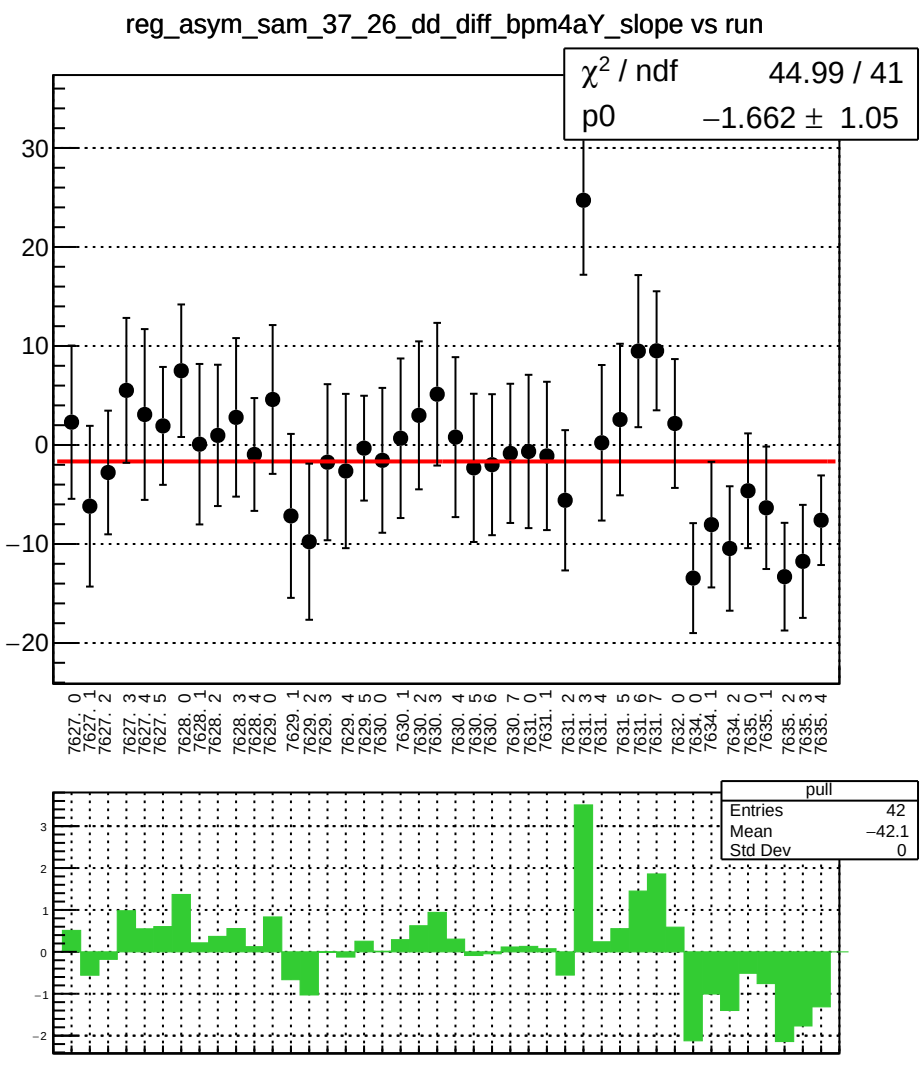

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.801 / 41
p0 56.24 ± 2.653
80
70
60
50
40
30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −37.79
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

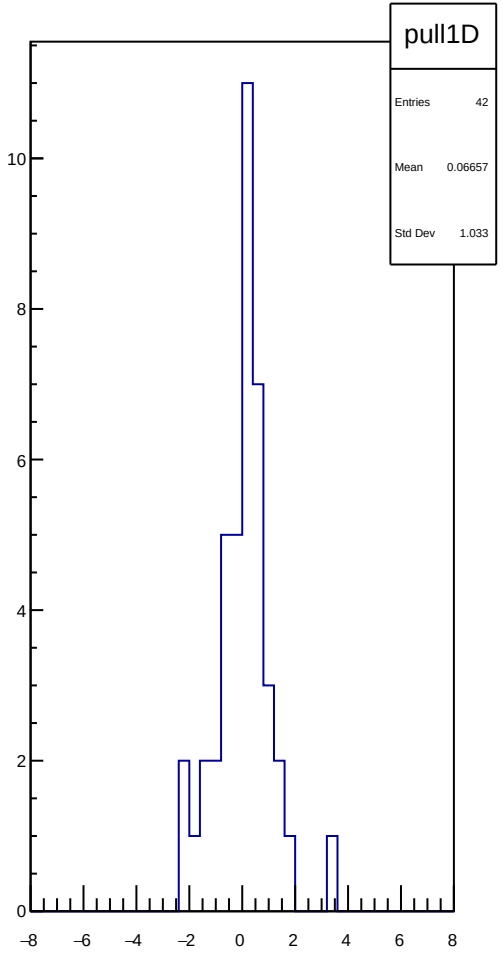

pull1D
Entries 42
Mean −0.02854
Std Dev 0.3369
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

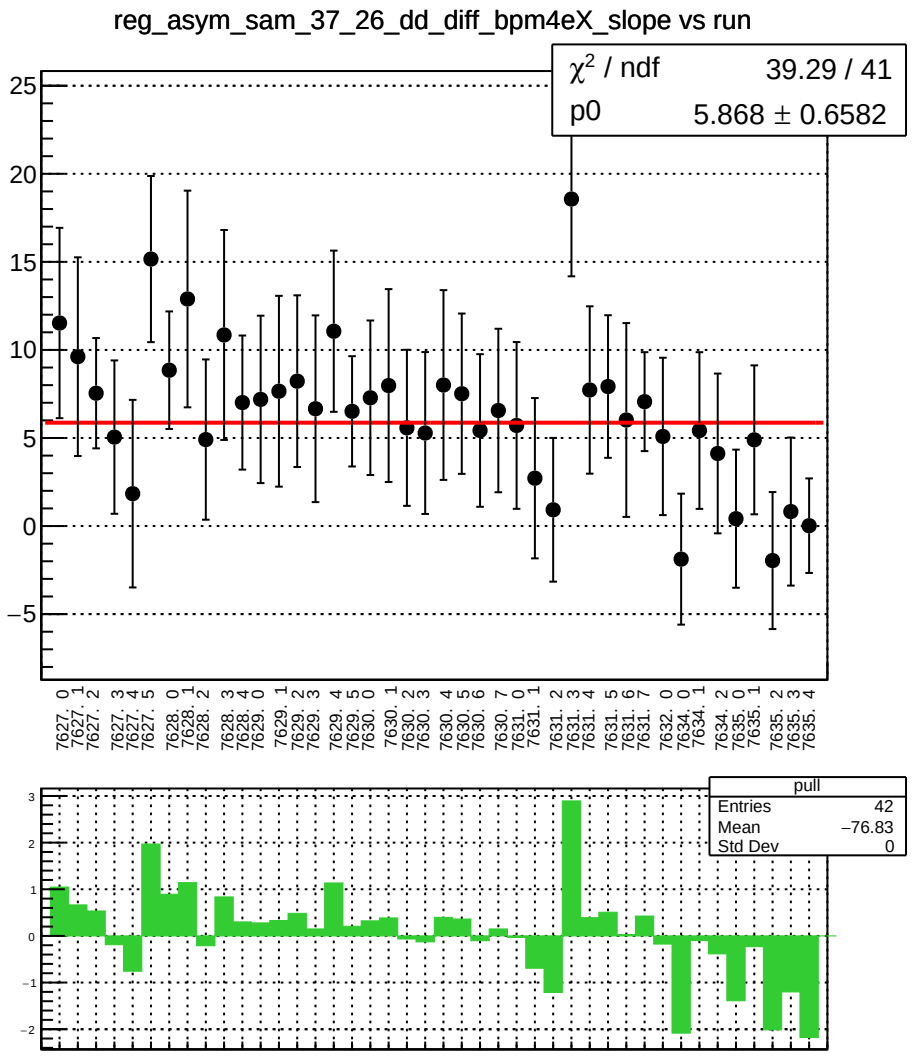

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 5.549 / 41
p0 0.7578 ± 0.1842
pull
Entries 42
Mean 70.84
Std Dev 0
pull1D
Entries 42
Mean 0.03383
Std Dev 0.3619

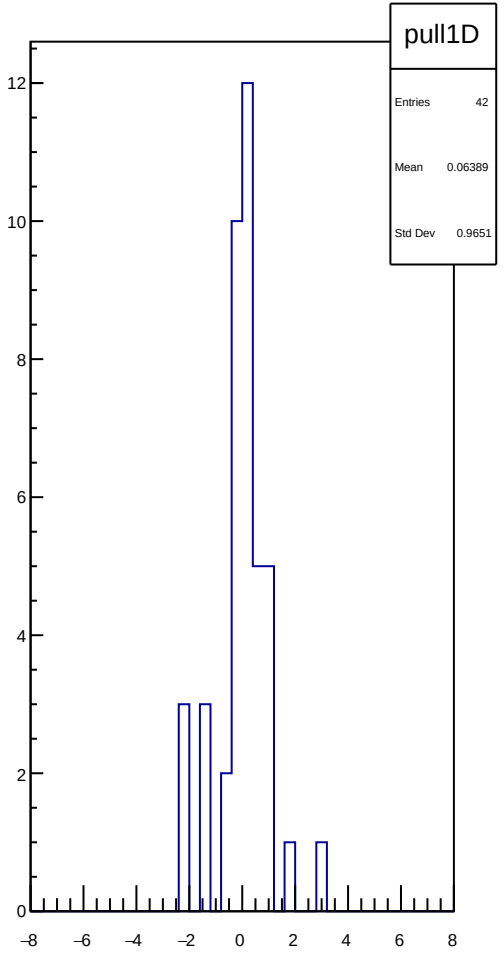

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 35.97 / 41
p0 −15.76 ± 0.8228
pull
Entries 42
Mean −72.66
Std Dev 0

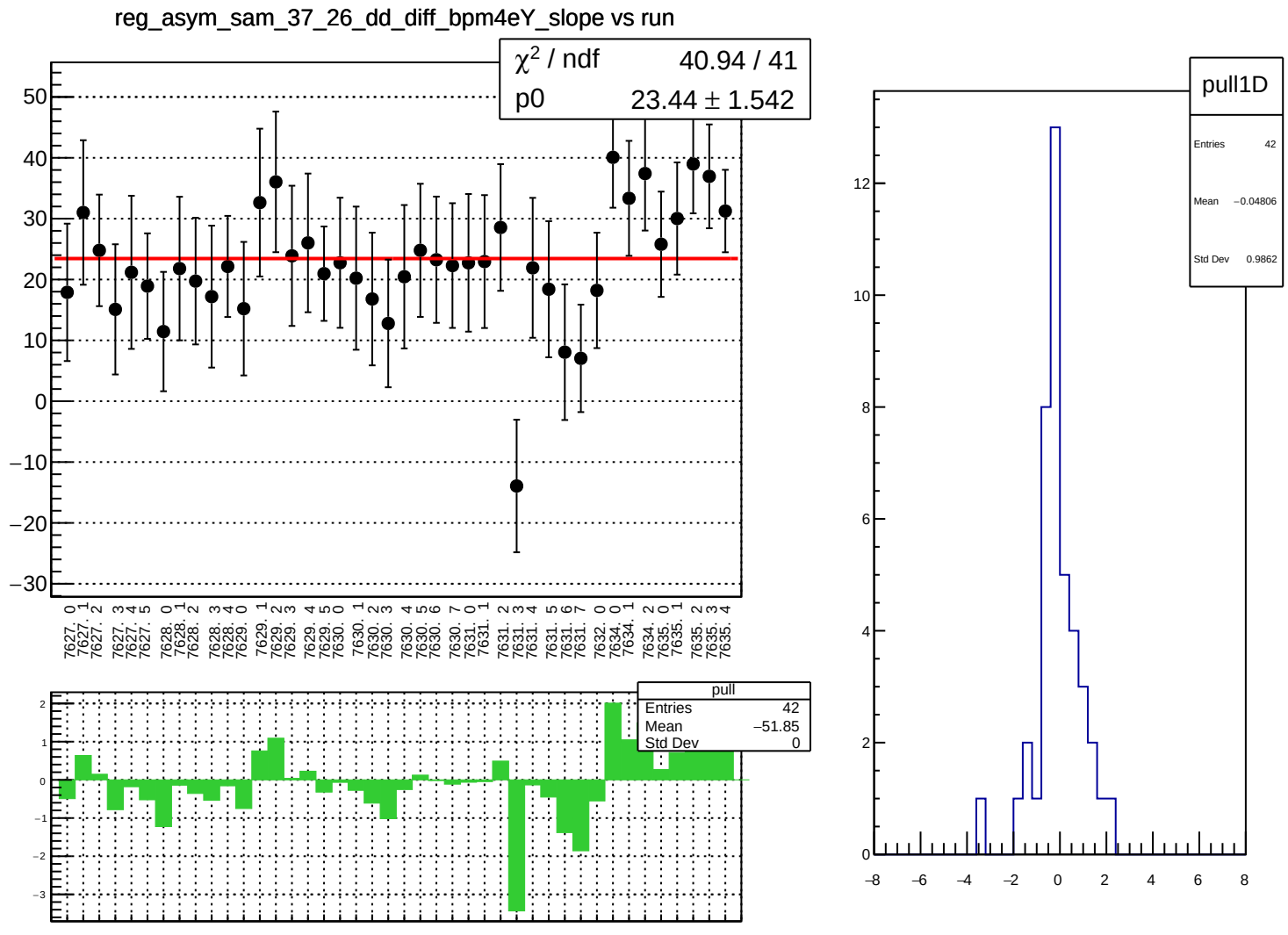

pull1D
Entries 42
Mean −0.05207
Std Dev 0.924

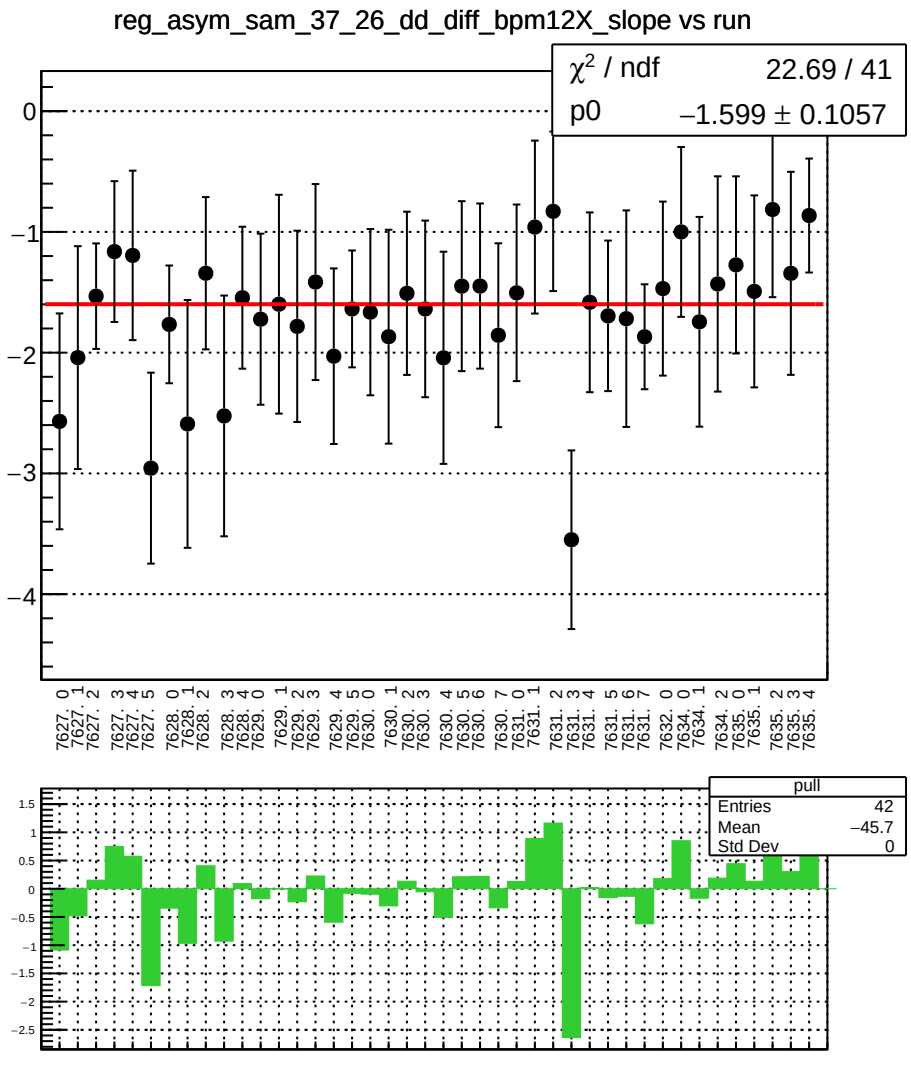

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.99 / 41
p0 −1.662 ± 1.05
30
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −42.1
Std Dev 0
3
2
1
0
−1
−2

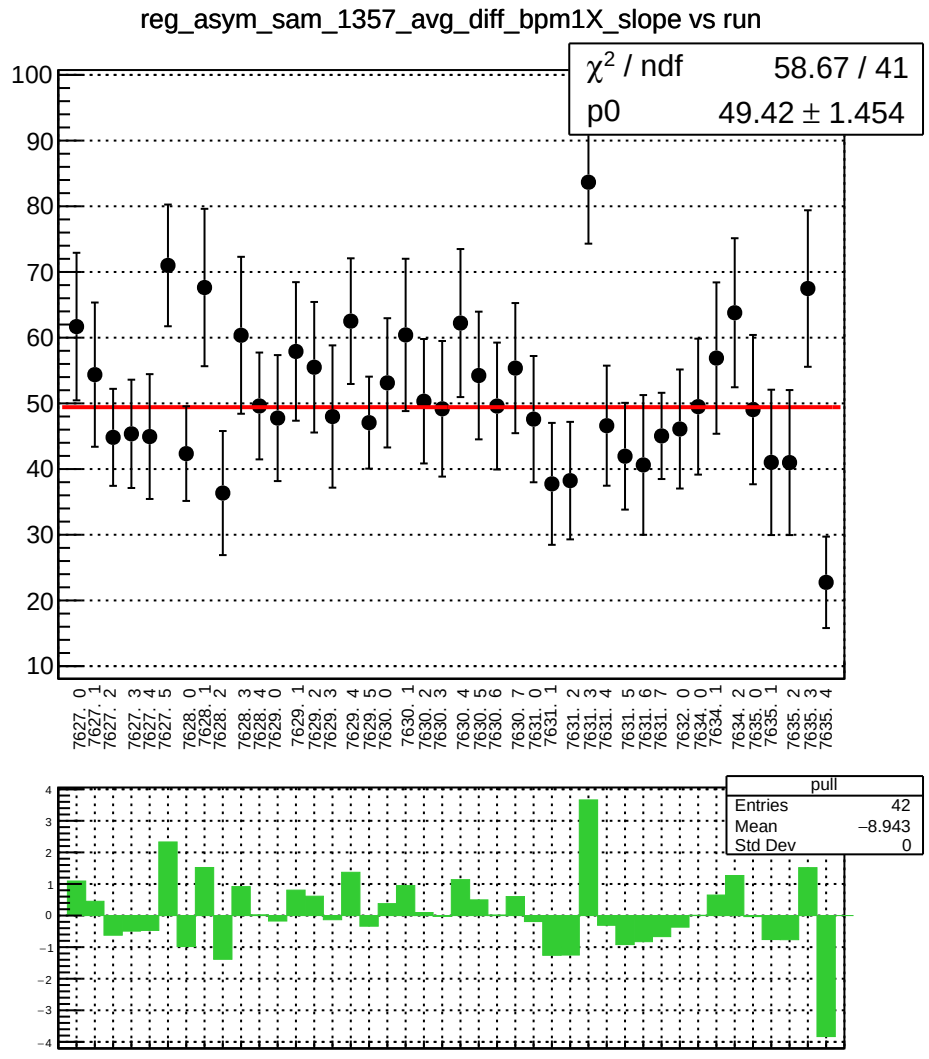

pull1D
Entries 42
Mean 0.06657
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

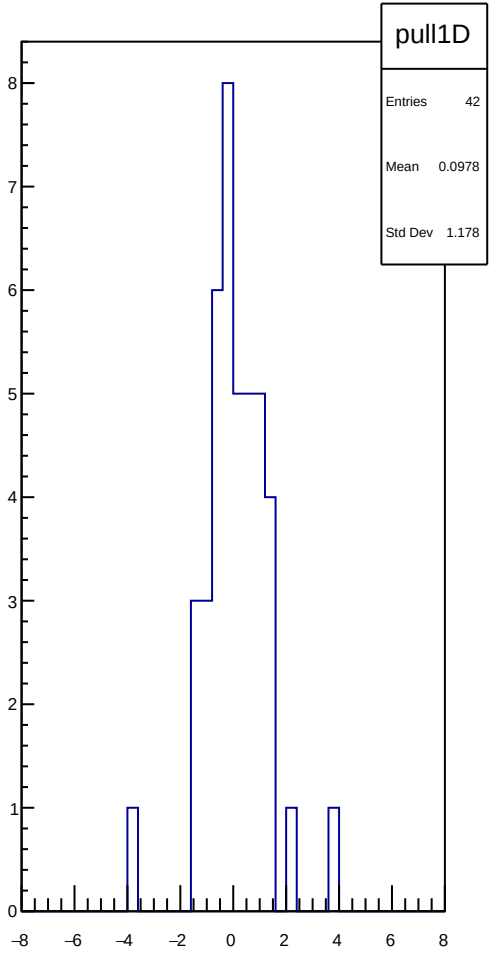

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.29 / 41
p0 5.868 ± 0.6582
pull
Entries 42
Mean −76.83
Std Dev 0

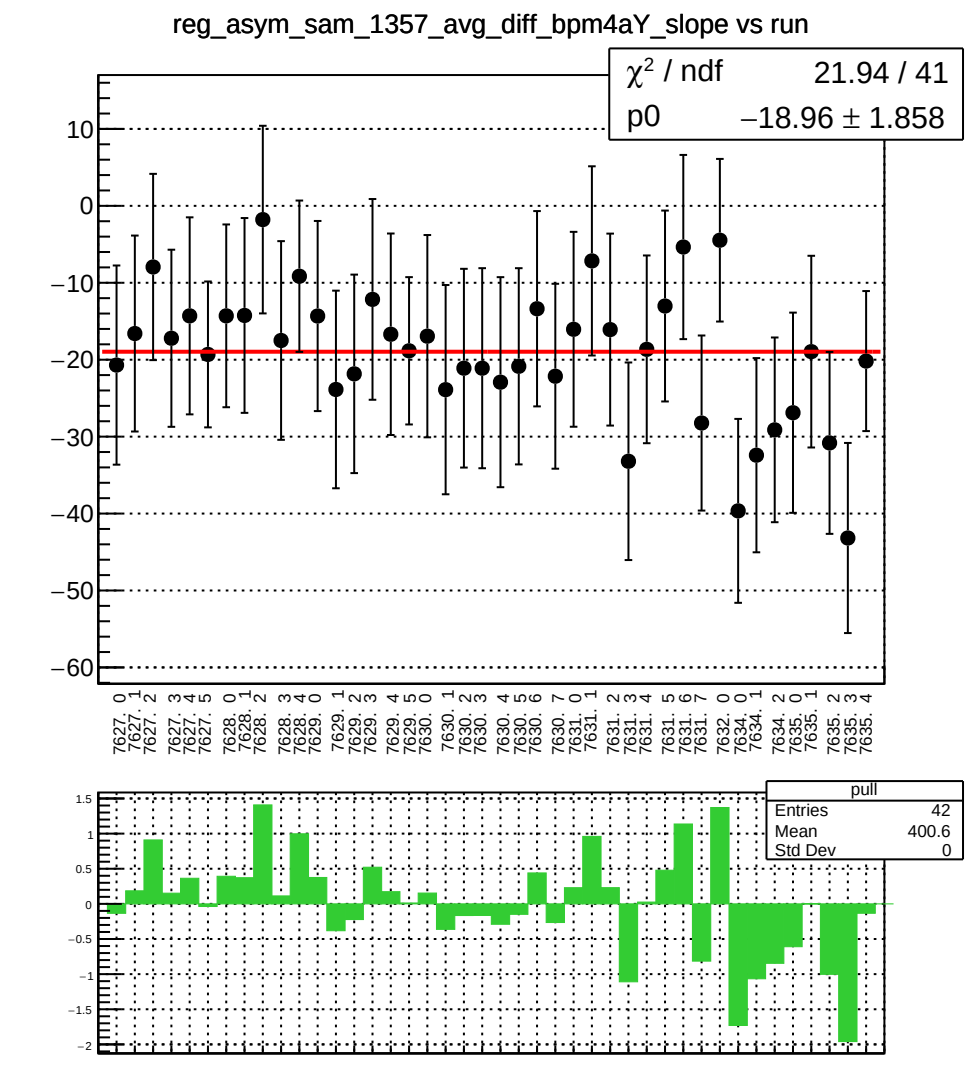

pull1D
Entries 42
Mean 0.06389
Std Dev 0.9651

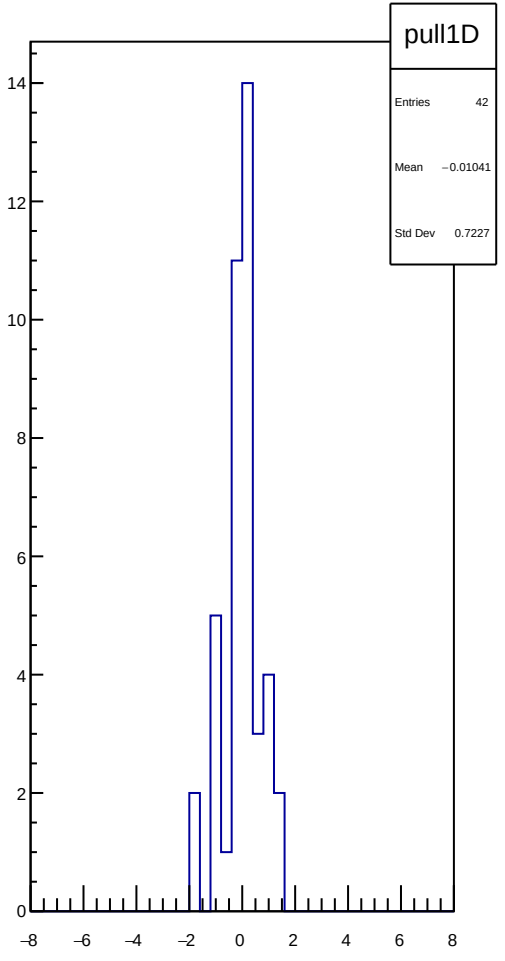

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.94 / 41
p0 23.44 ± 1.542
pull
Entries 42
Mean −51.85
Std Dev 0
pull1D
Entries 42
Mean −0.04806
Std Dev 0.9862

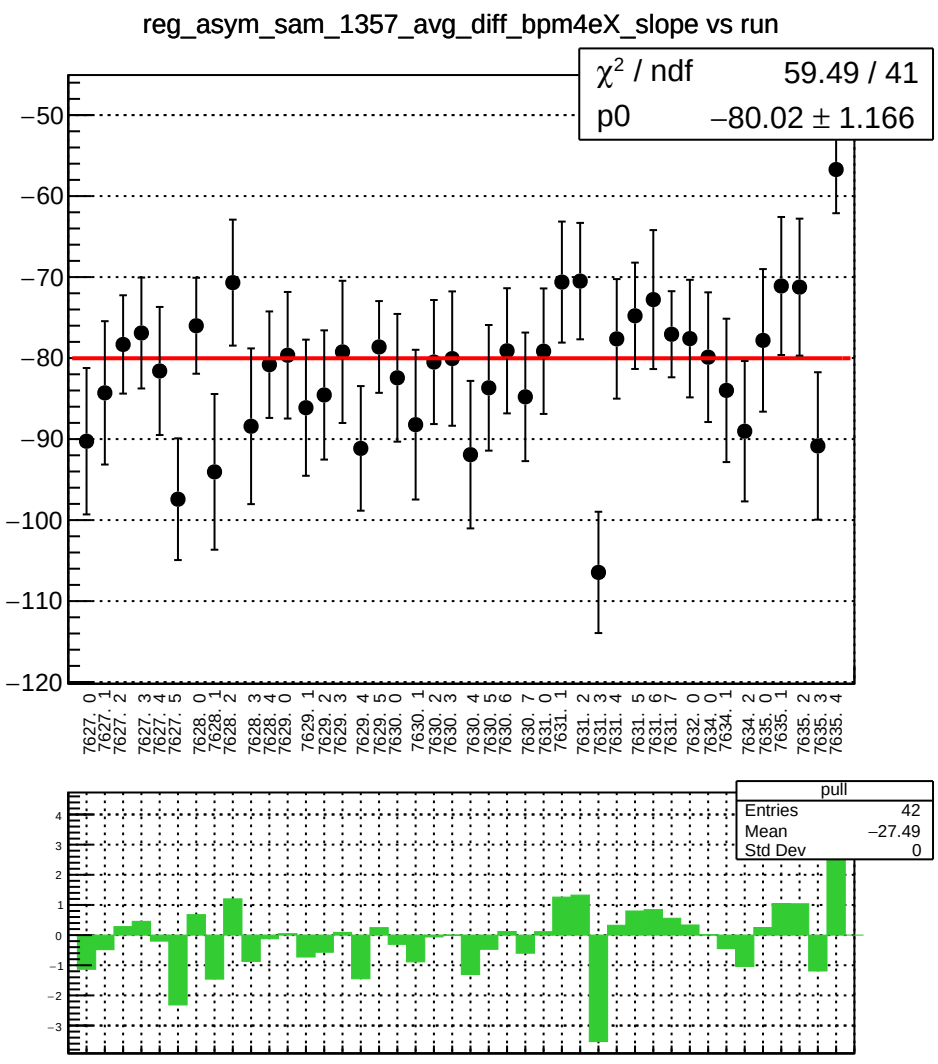

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 22.69 / 41
p0 −1.599 ± 0.1057
pull
Entries 42
Mean −45.7
Std Dev 0
pull1D
Entries 42
Mean −0.04516
Std Dev 0.7337

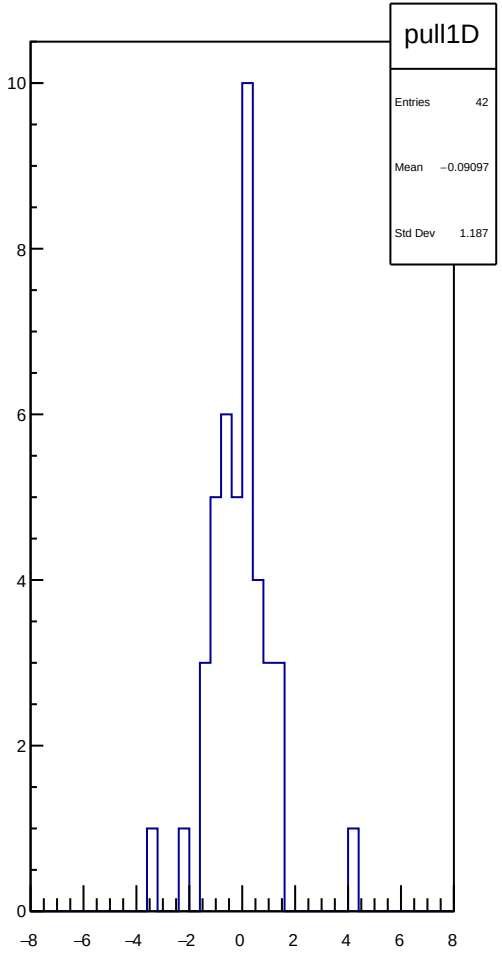

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 58.67 / 41
p0 49.42 ± 1.454
pull
Entries 42
Mean −8.943
Std Dev 0

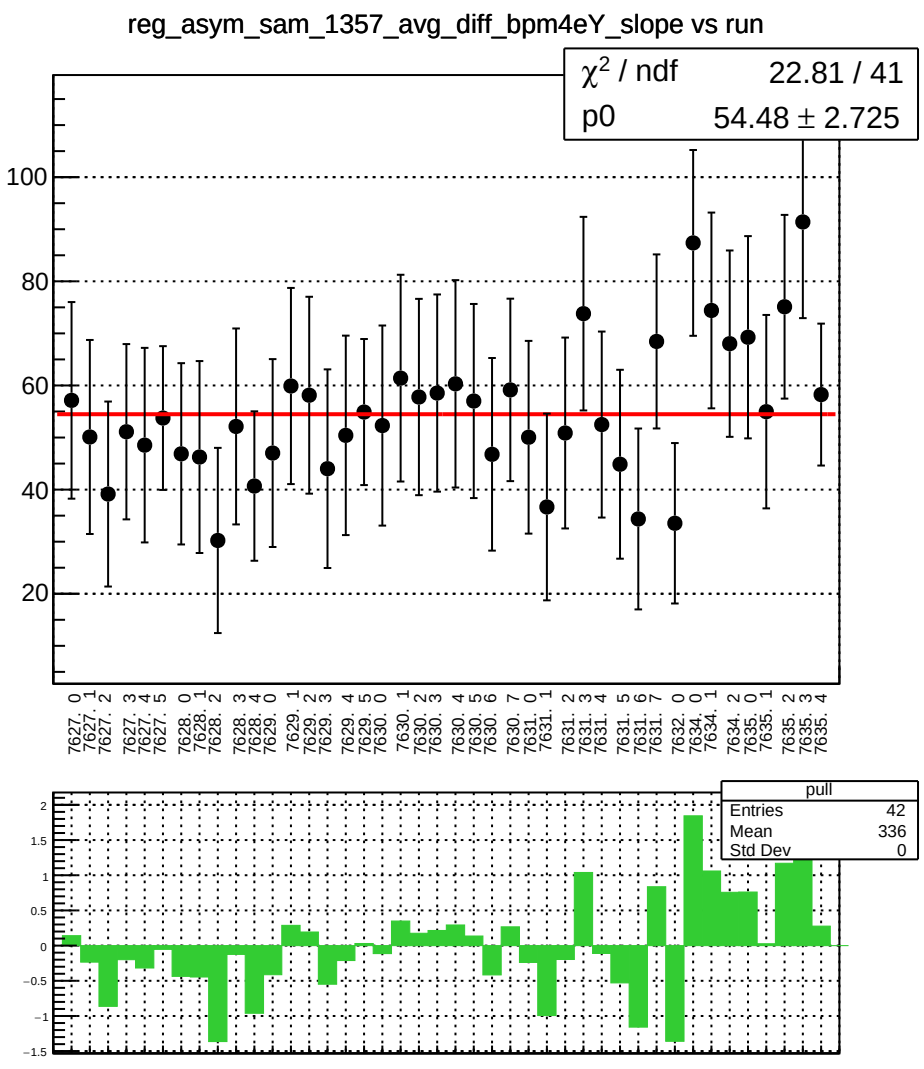

pull1D
Entries 42
Mean 0.0978
Std Dev 1.178

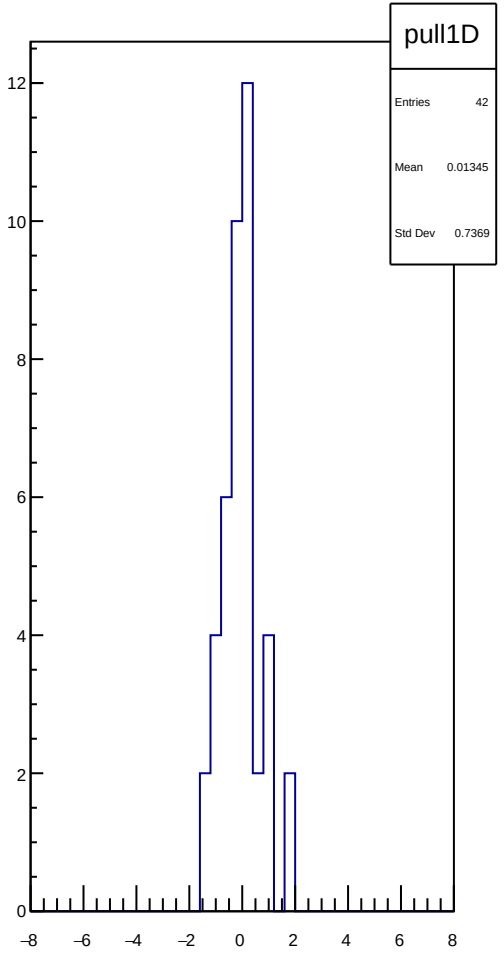

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.94 / 41
p0 −18.96 ± 1.858
pull
Entries 42
Mean 400.6
Std Dev 0

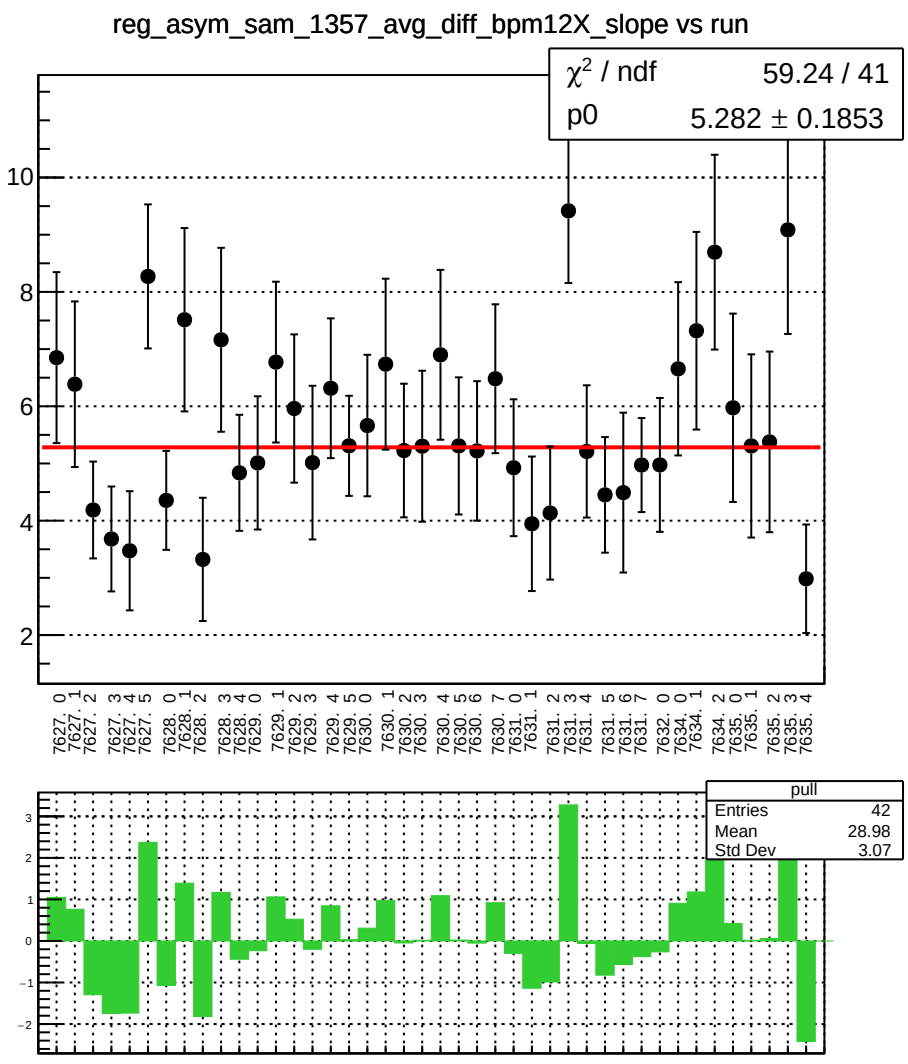

pull1D
Entries 42
Mean −0.01041
Std Dev 0.7227

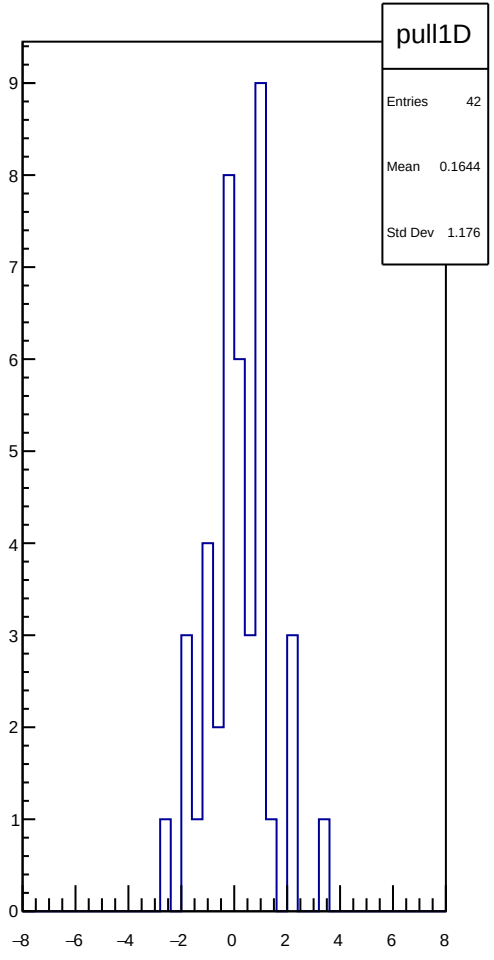

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.49 / 41
p0 −80.02 ± 1.166
pull
Entries 42
Mean −27.49
Std Dev 0

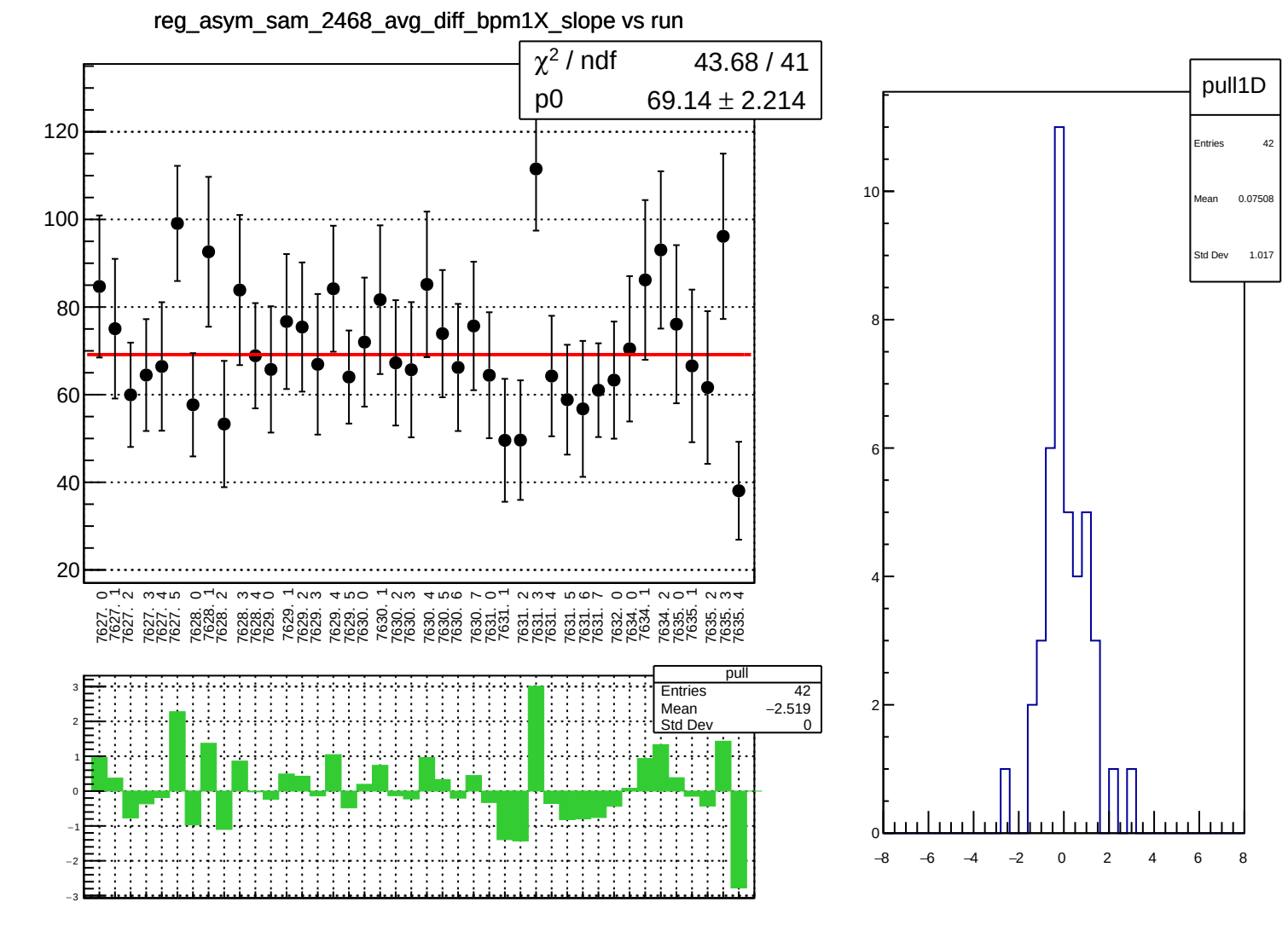

pull1D
Entries 42
Mean −0.09097
Std Dev 1.187

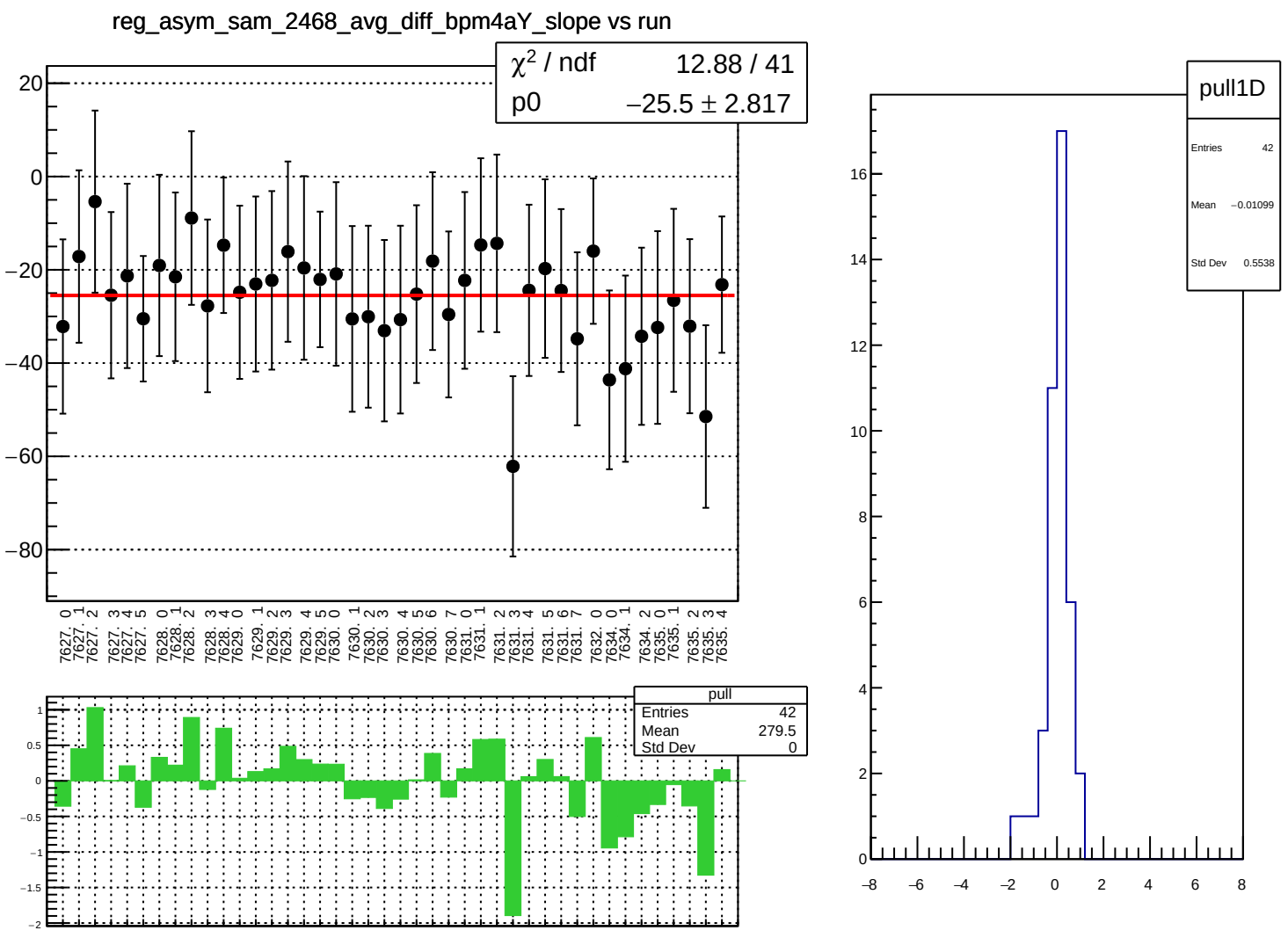

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.81 / 41
p0 54.48 ± 2.725
pull
Entries 42
Mean 336
Std Dev 0

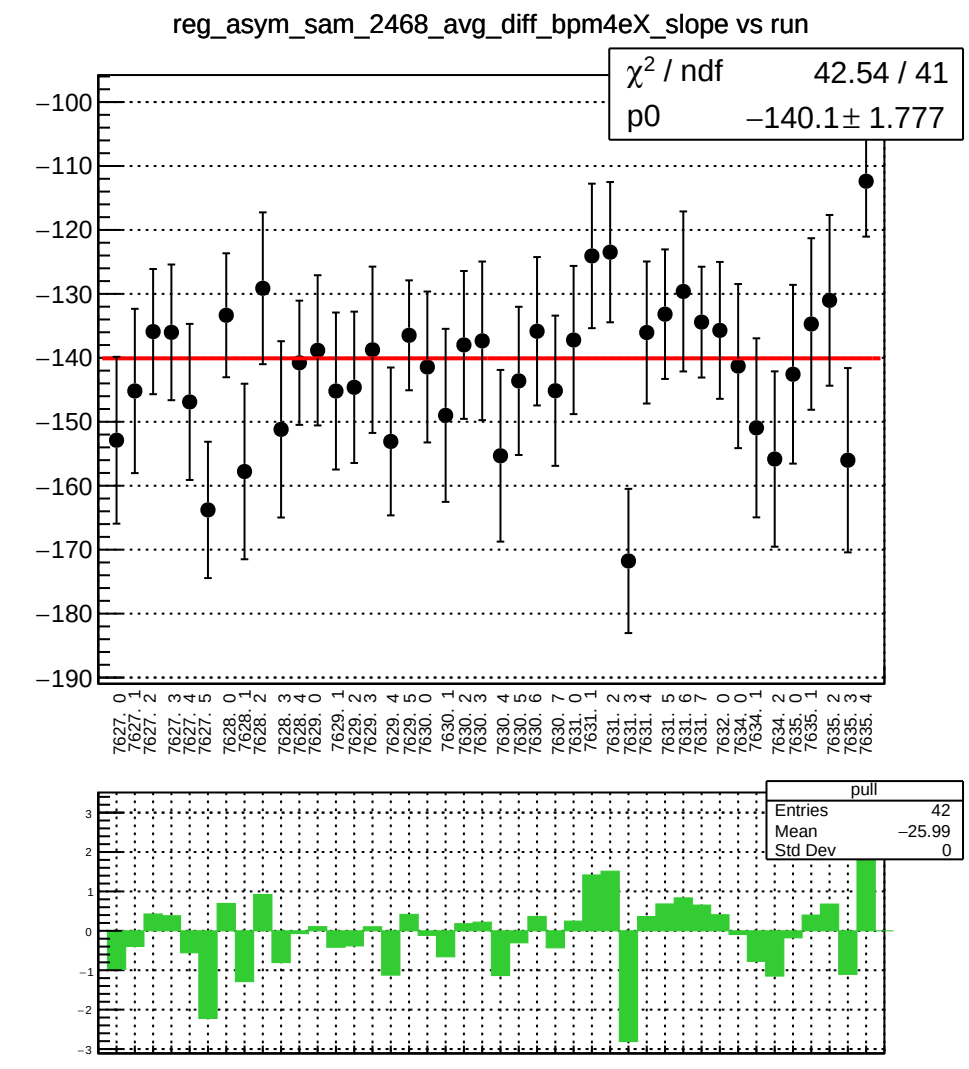

pull1D
Entries 42
Mean 0.01345
Std Dev 0.7369

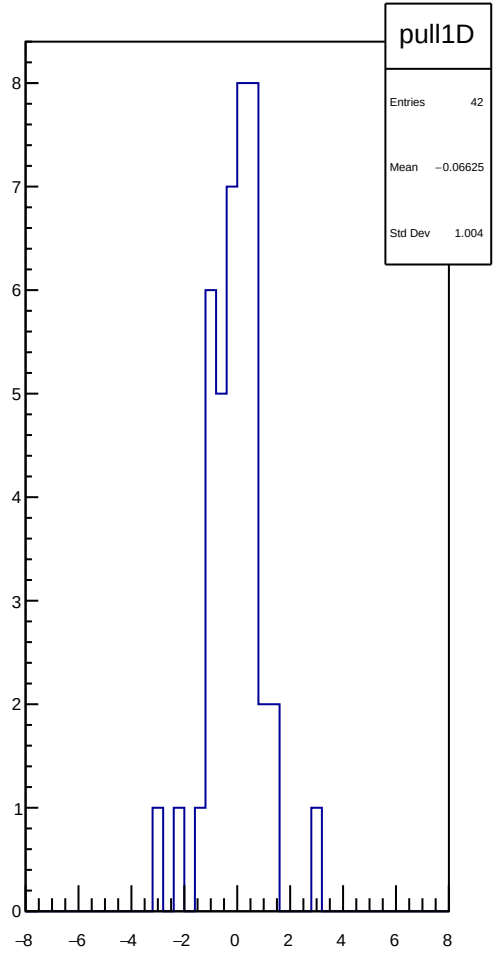

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 59.24 / 41
p0 5.282 ± 0.1853
pull
Entries 42
Mean 28.98
Std Dev 3.07

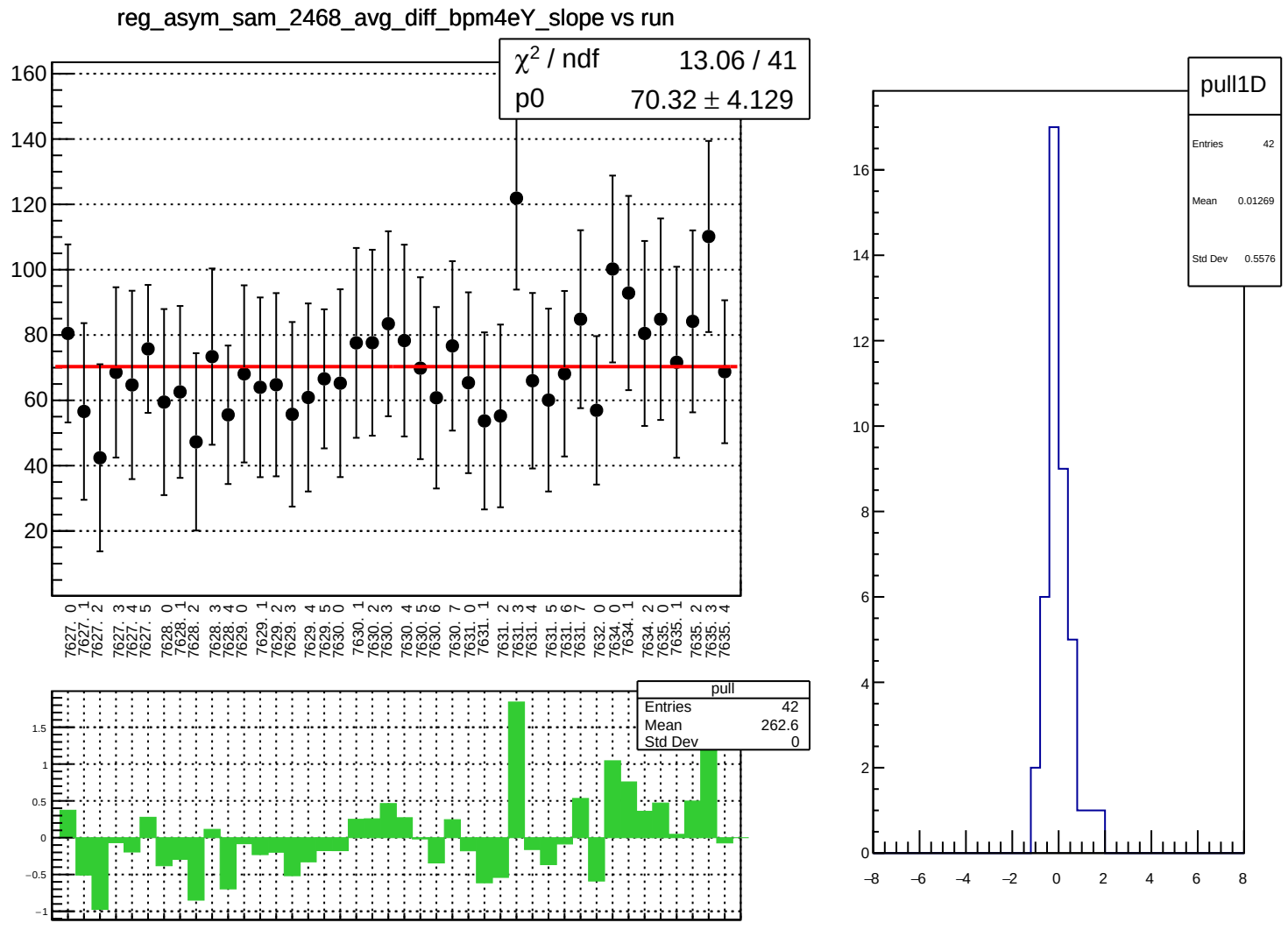

pull1D
Entries 42
Mean 0.1644
Std Dev 1.176

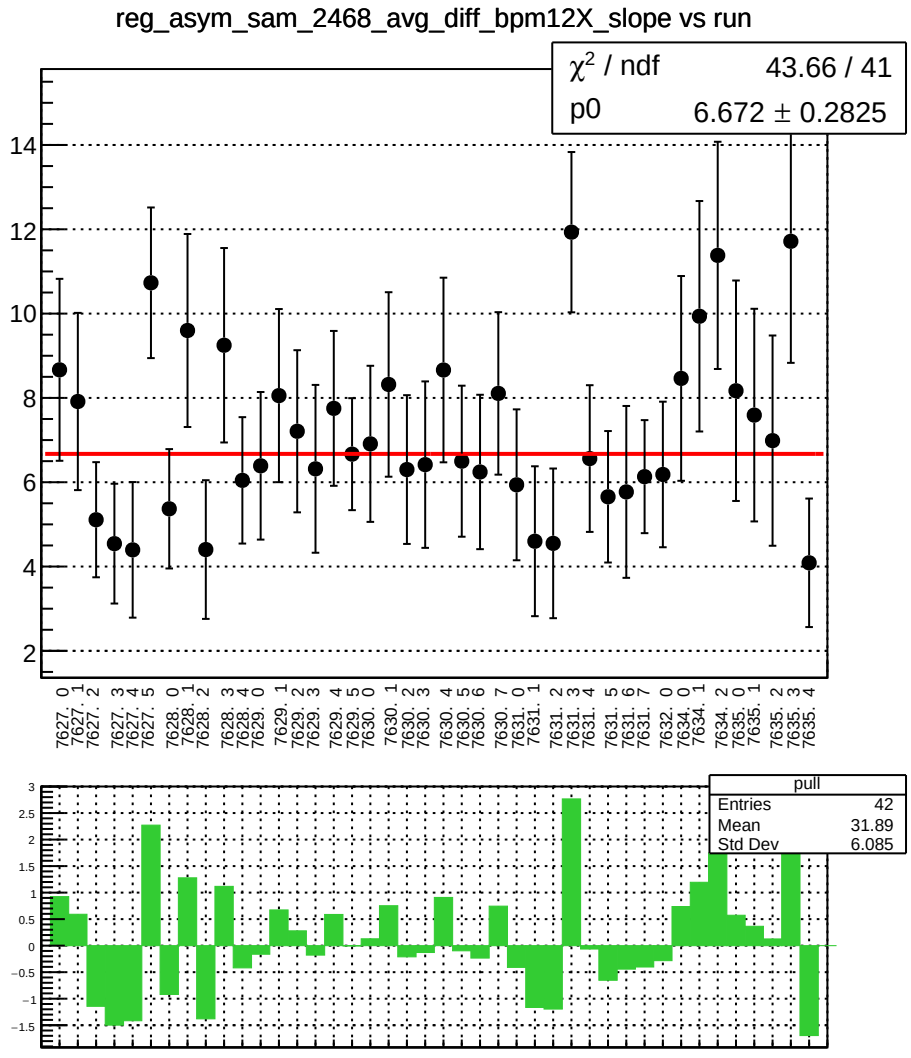

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 43.68 / 41
p0 69.14 ± 2.214
pull
Entries 42
Mean −2.519
Std Dev 0
pull1D
Entries 42
Mean 0.07508
Std Dev 1.017

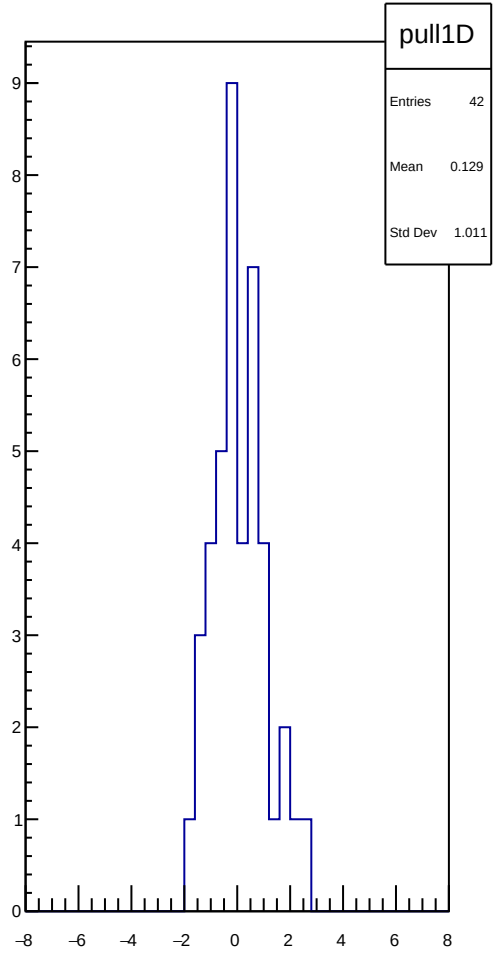

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.88 / 41
p0 −25.5 ± 2.817
pull
Entries 42
Mean 279.5
Std Dev 0
pull1D
Entries 42
Mean −0.01099
Std Dev 0.5538

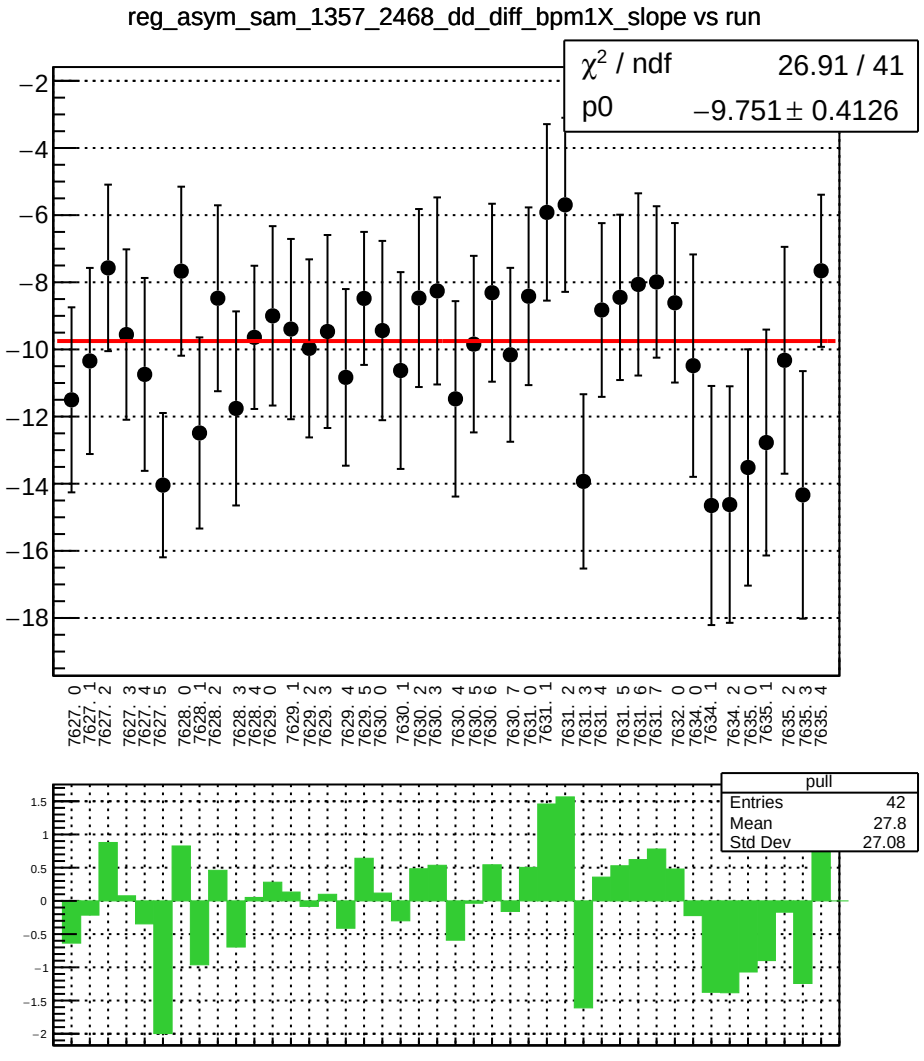

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.54 / 41
p0 −140.1± 1.777
pull
Entries 42
Mean −25.99
Std Dev 0

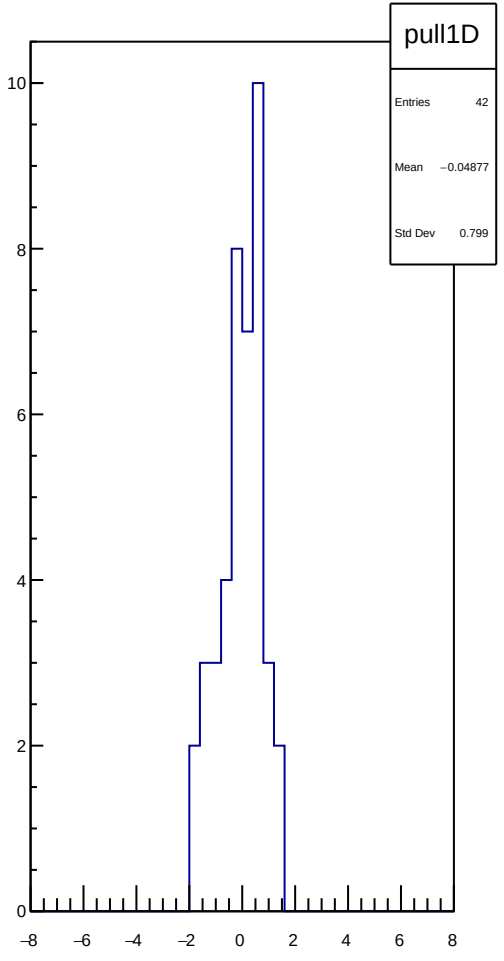

pull1D
Entries 42
Mean −0.06625
Std Dev 1.004

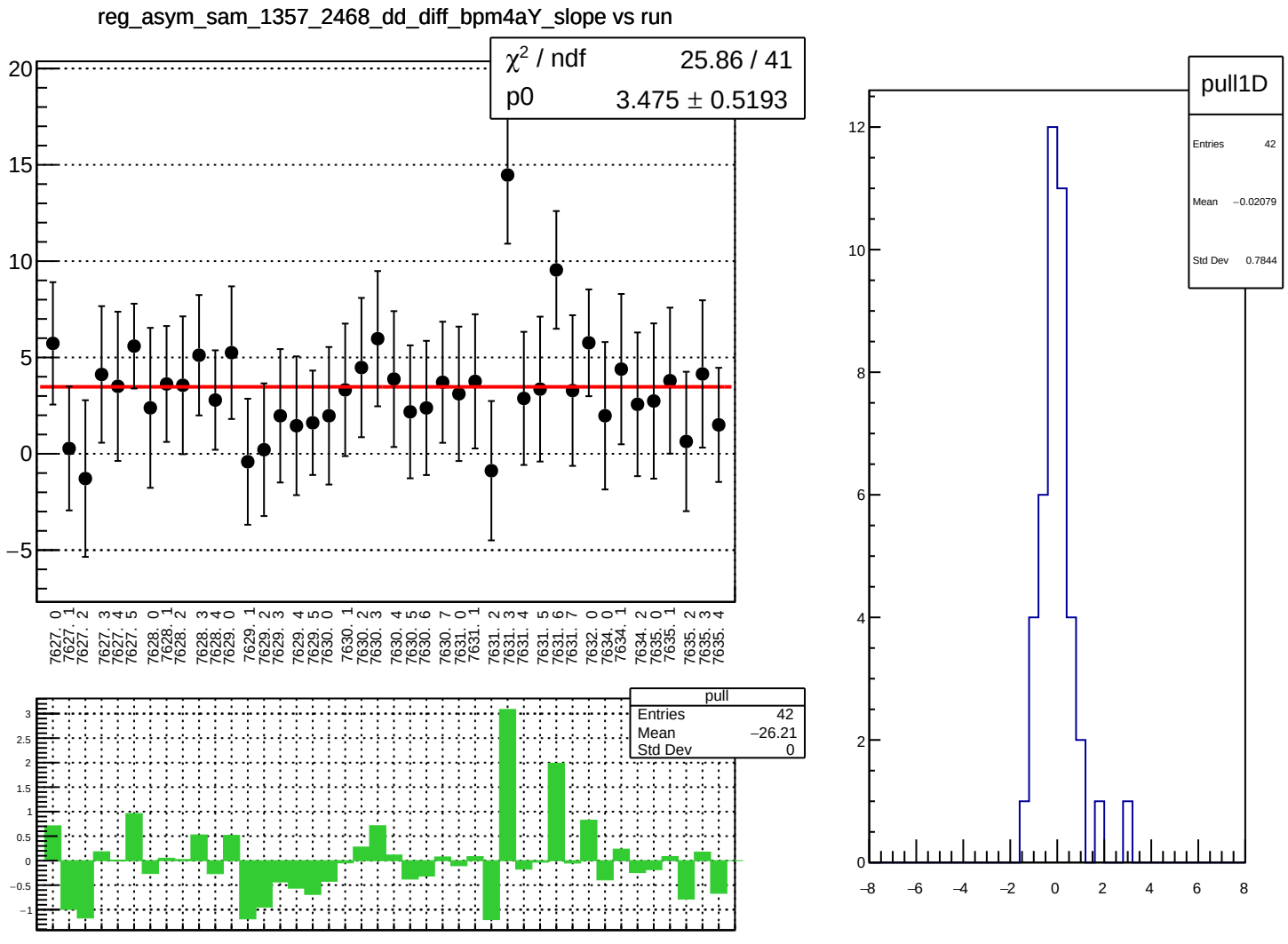

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.06 / 41
p0 70.32 ± 4.129
pull
Entries 42
Mean 262.6
Std Dev 0
pull1D
Entries 42
Mean 0.01269
Std Dev 0.5576

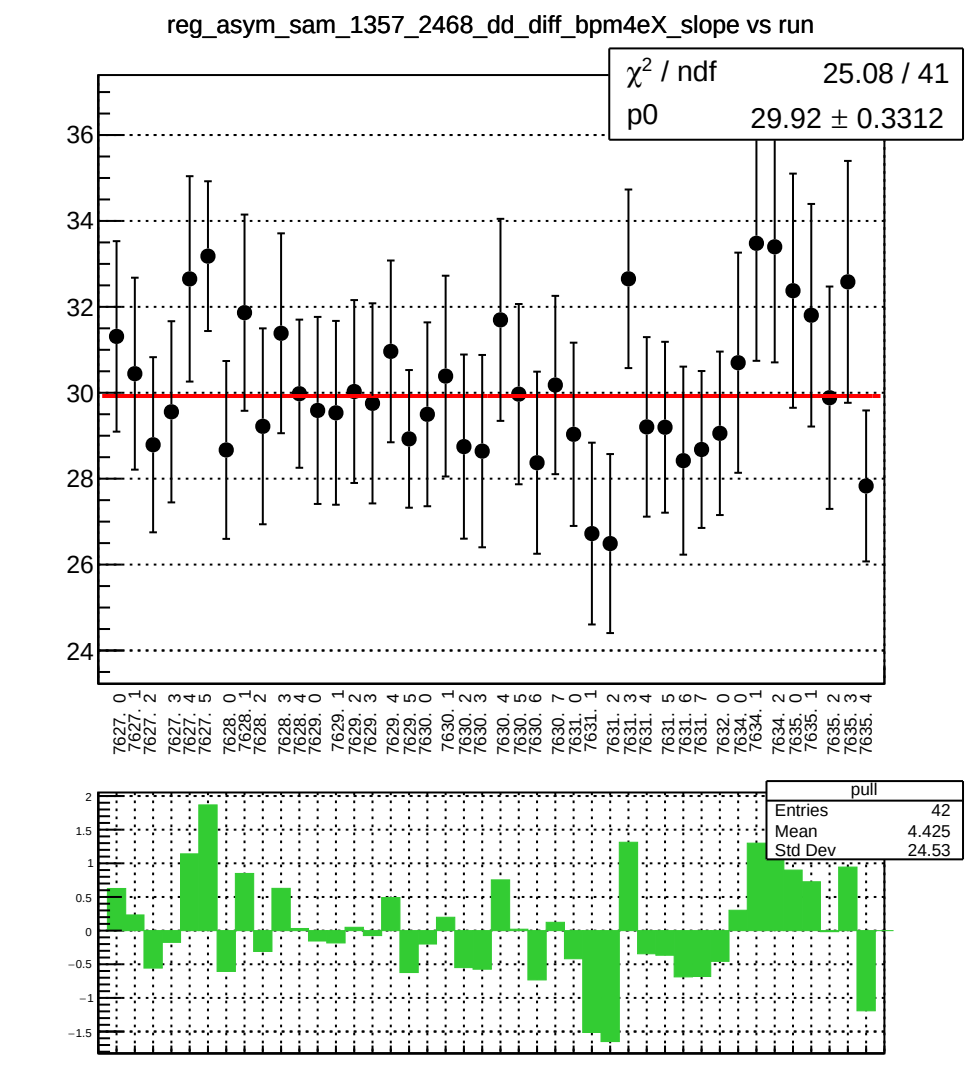

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 43.66 / 41
p0 6.672 ± 0.2825
pull
Entries 42
Mean 31.89
Std Dev 6.085

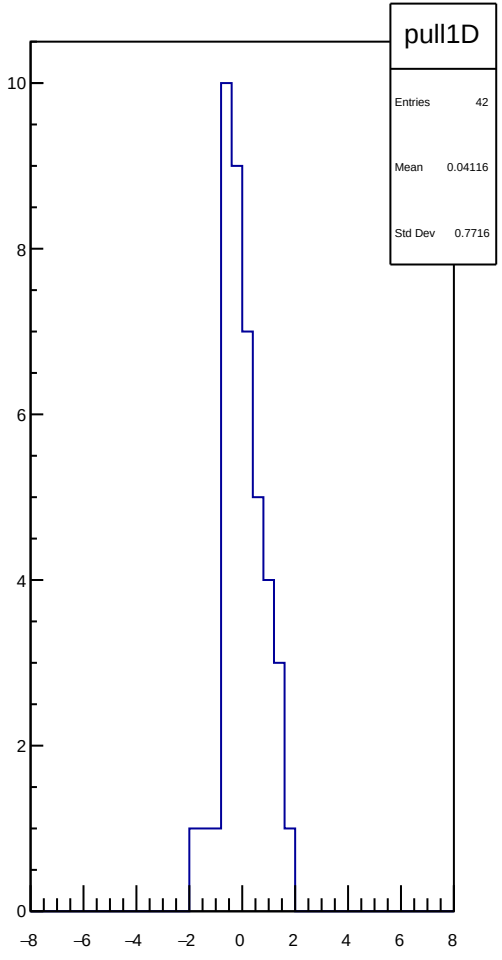

pull1D
Entries 42
Mean 0.129
Std Dev 1.011

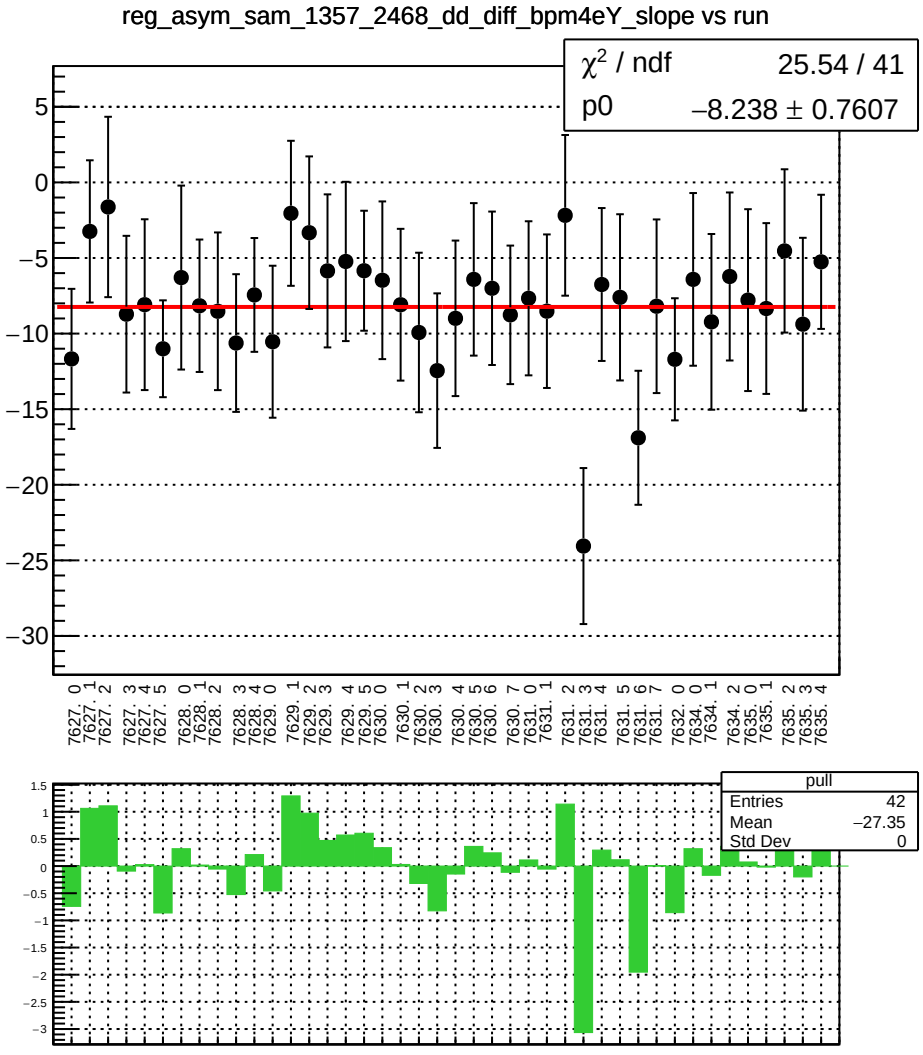

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 26.91 / 41
p0 −9.751 ± 0.4126
pull
Entries 42
Mean 27.8
Std Dev 27.08

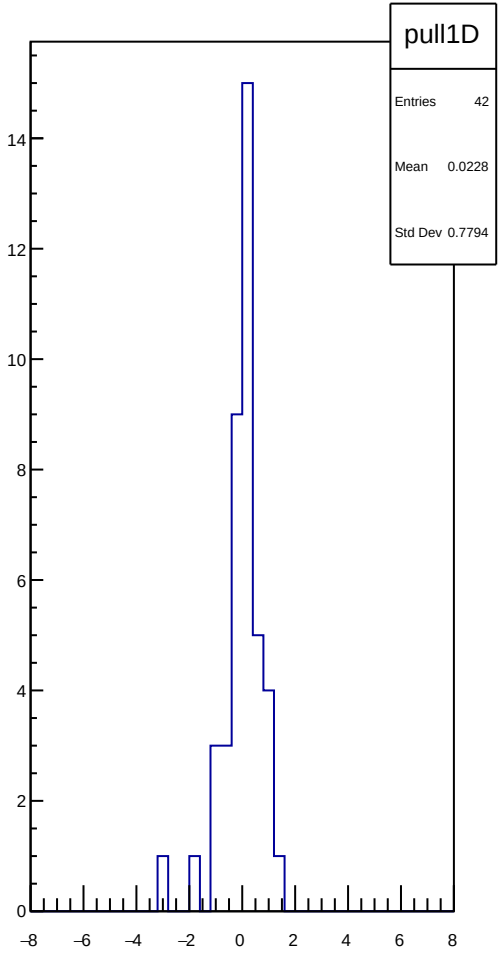

pull1D
Entries 42
Mean −0.04877
Std Dev 0.799

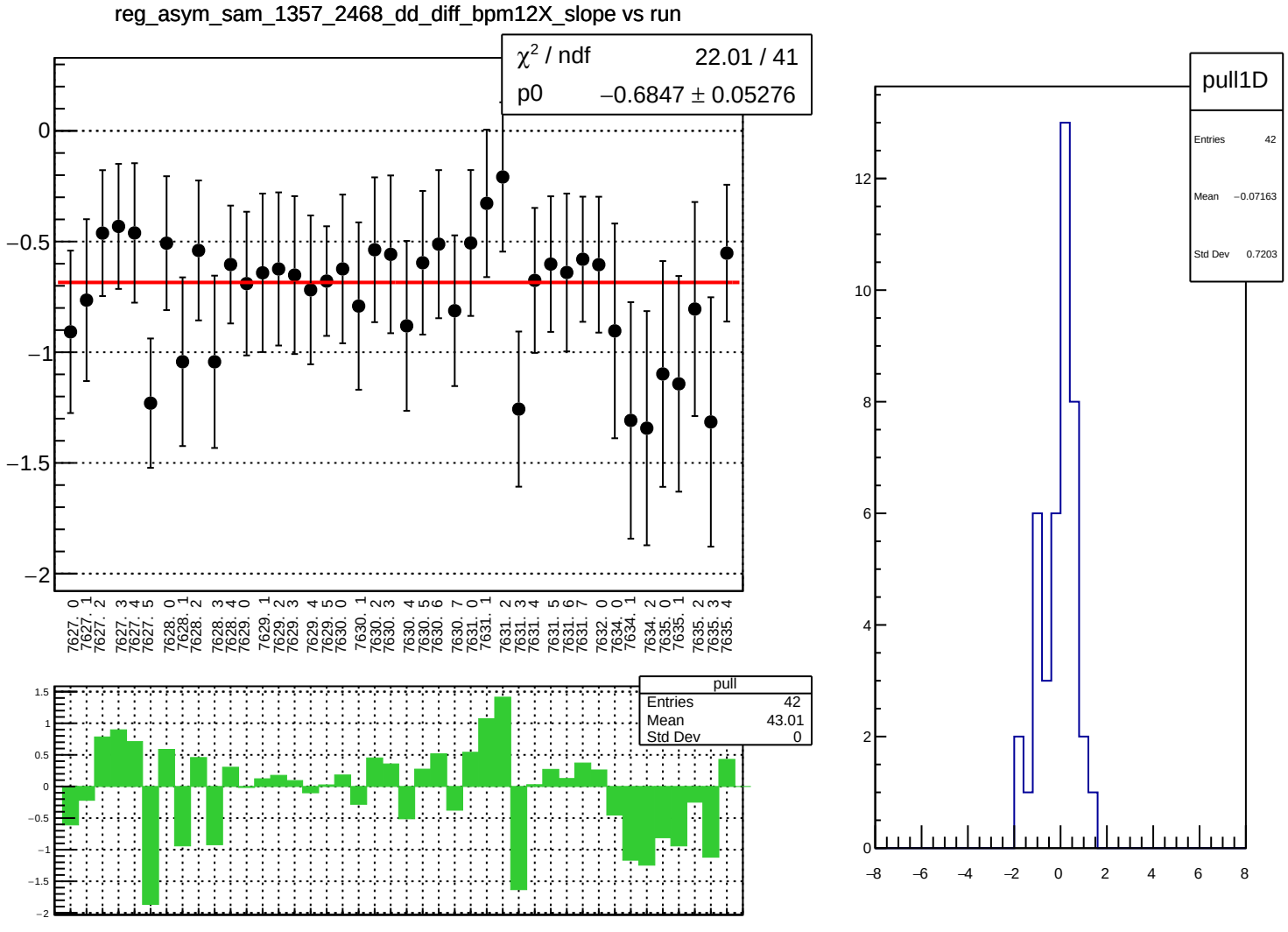

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.86 / 41
p0 3.475 ± 0.5193
pull
Entries 42
Mean −26.21
Std Dev 0
pull1D
Entries 42
Mean −0.02079
Std Dev 0.7844

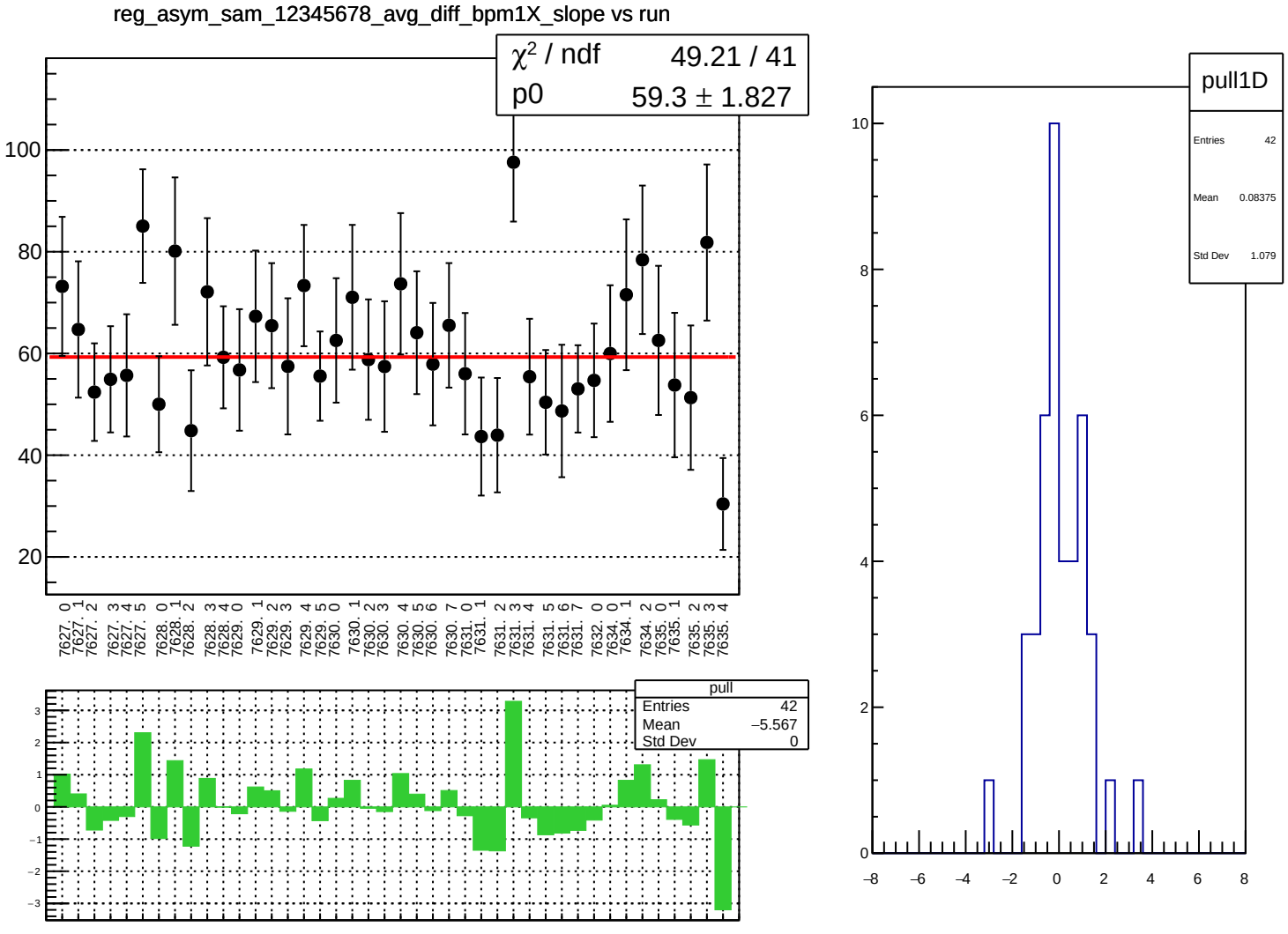

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.08 / 41
p0 29.92 ± 0.3312
pull
Entries 42
Mean 4.425
Std Dev 24.53

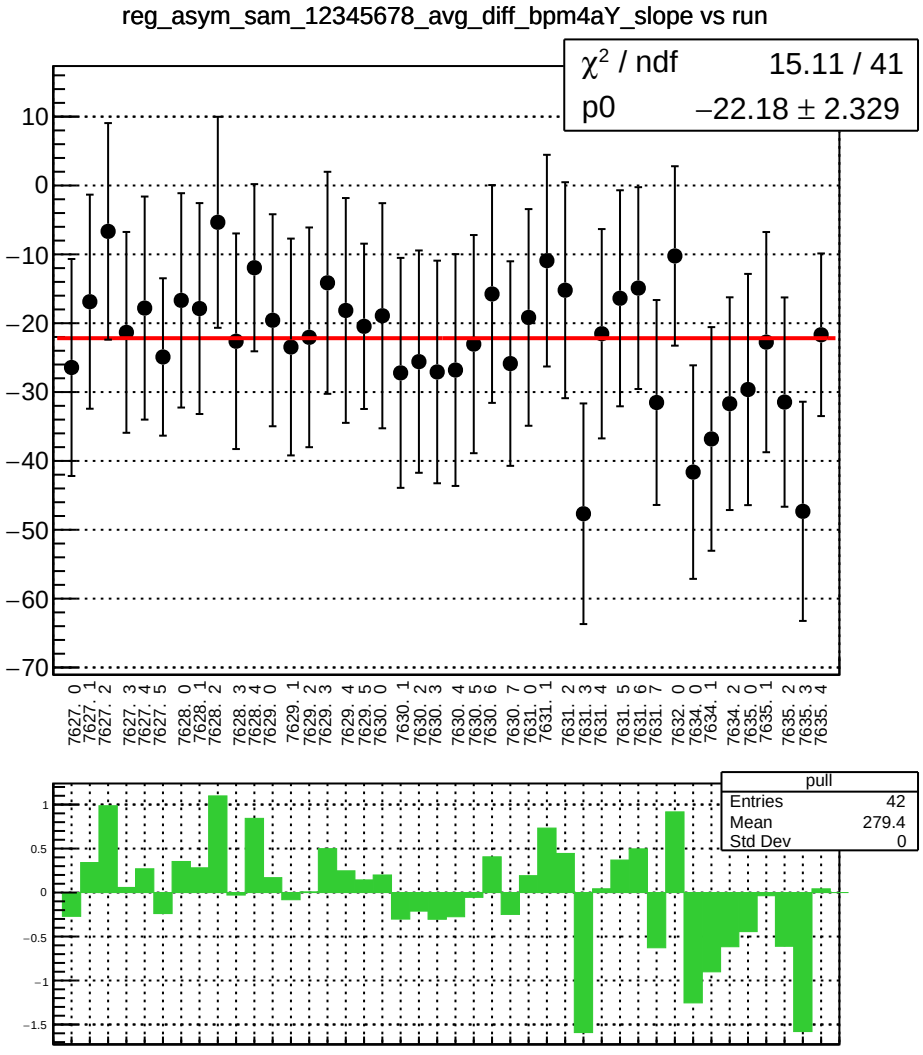

pull1D
Entries 42
Mean 0.04116
Std Dev 0.7716

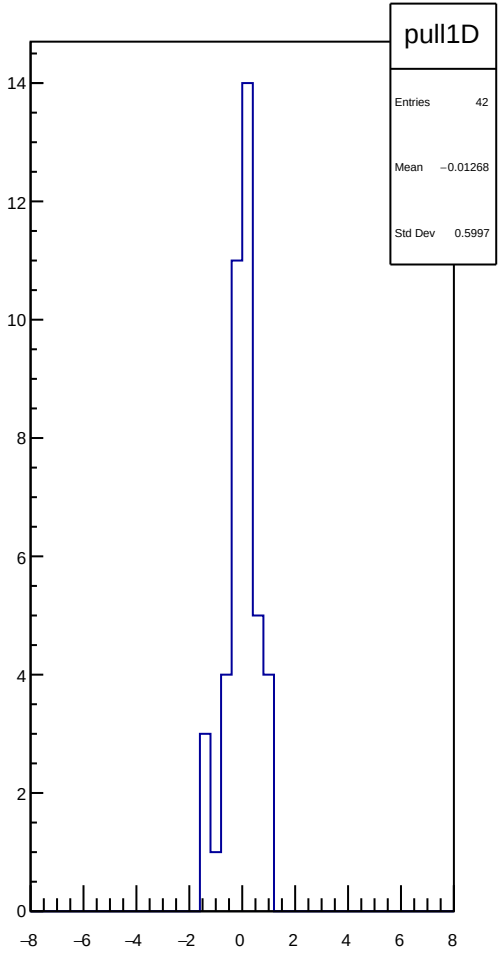

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.54 / 41
p0 −8.238 ± 0.7607
pull
Entries 42
Mean −27.35
Std Dev 0

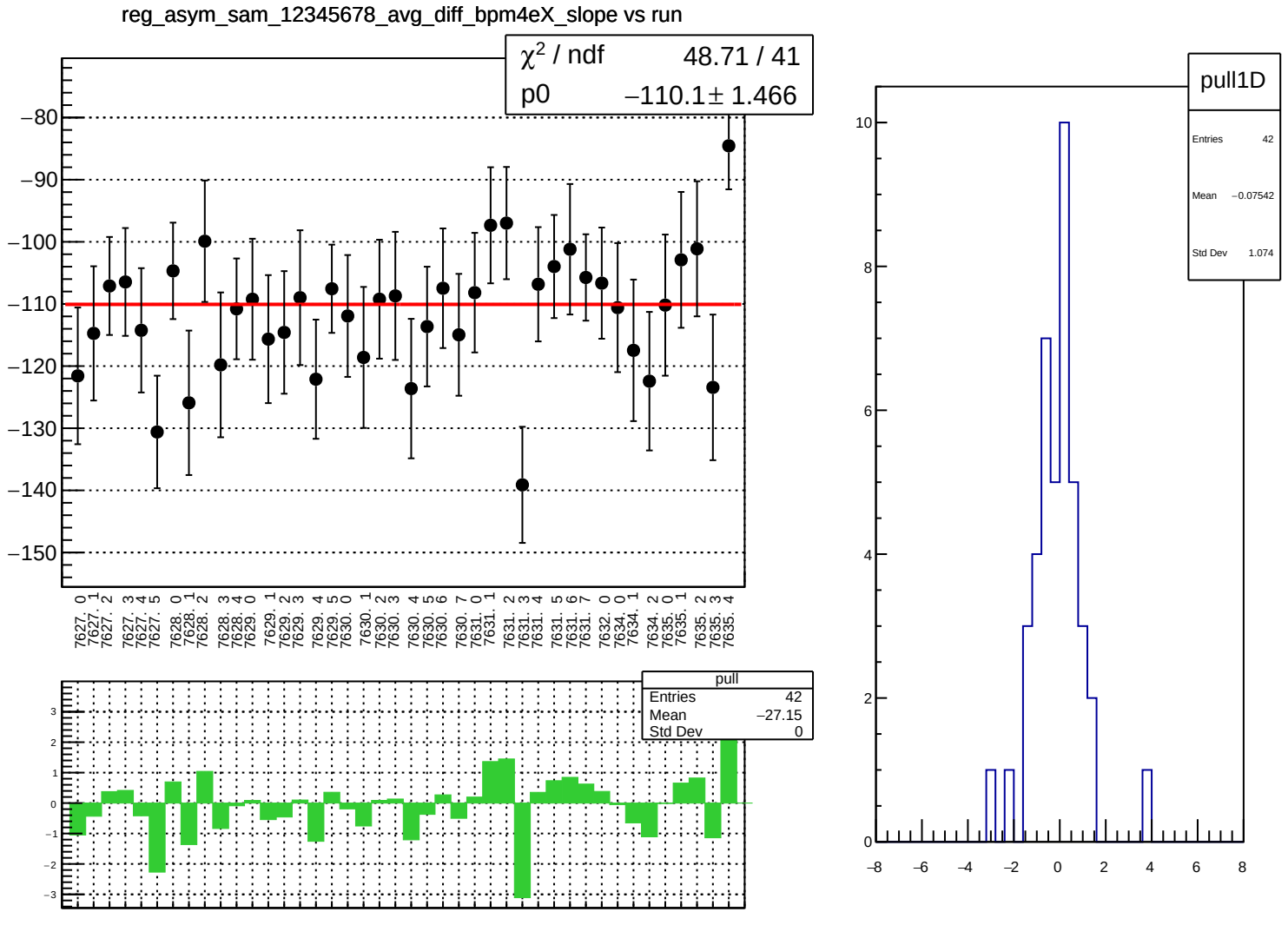

pull1D
Entries 42
Mean 0.0228
Std Dev 0.7794

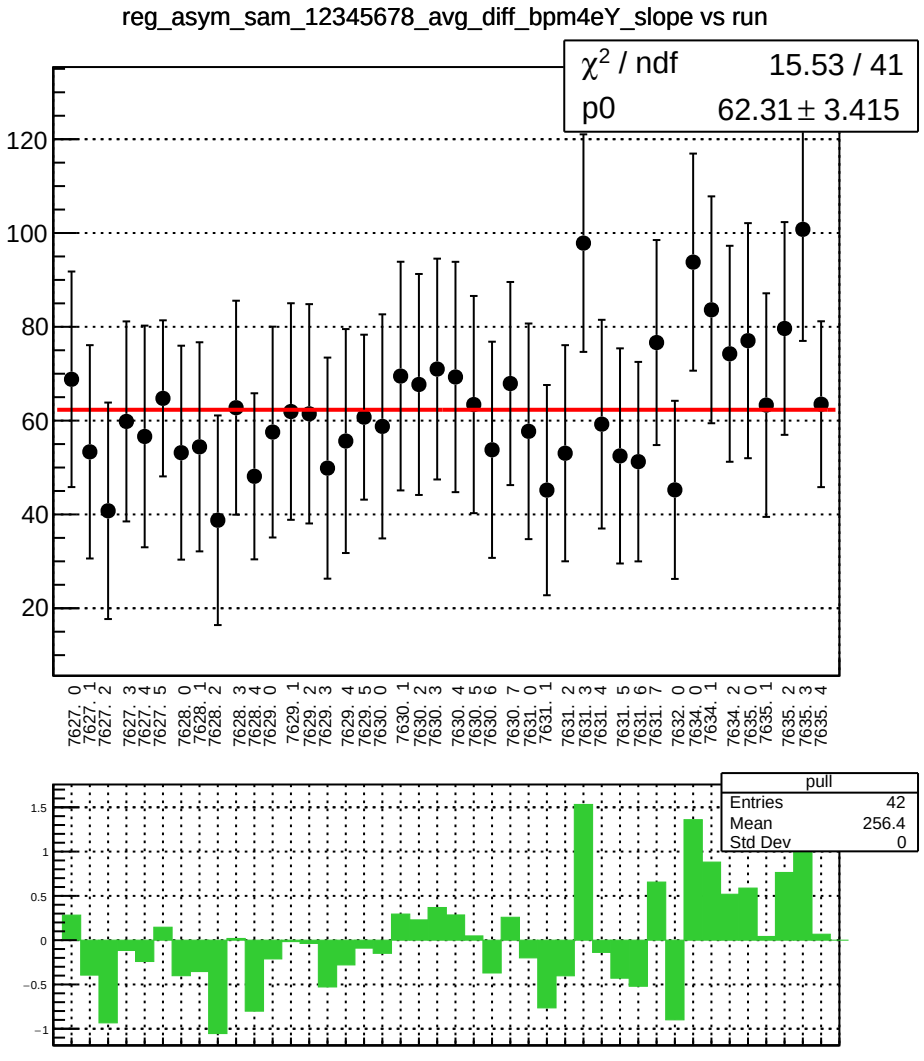

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 22.01 / 41
p0 −0.6847 ± 0.05276
pull
Entries 42
Mean 43.01
Std Dev 0
pull1D
Entries 42
Mean −0.07163
Std Dev 0.7203

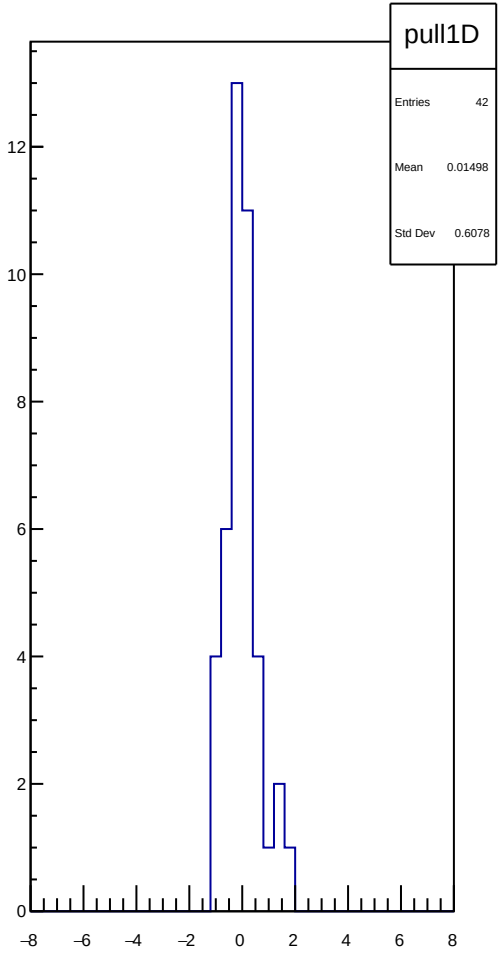

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 49.21 / 41
p0 59.3 ± 1.827
pull
Entries 42
Mean −5.567
Std Dev 0
pull1D
Entries 42
Mean 0.08375
Std Dev 1.079

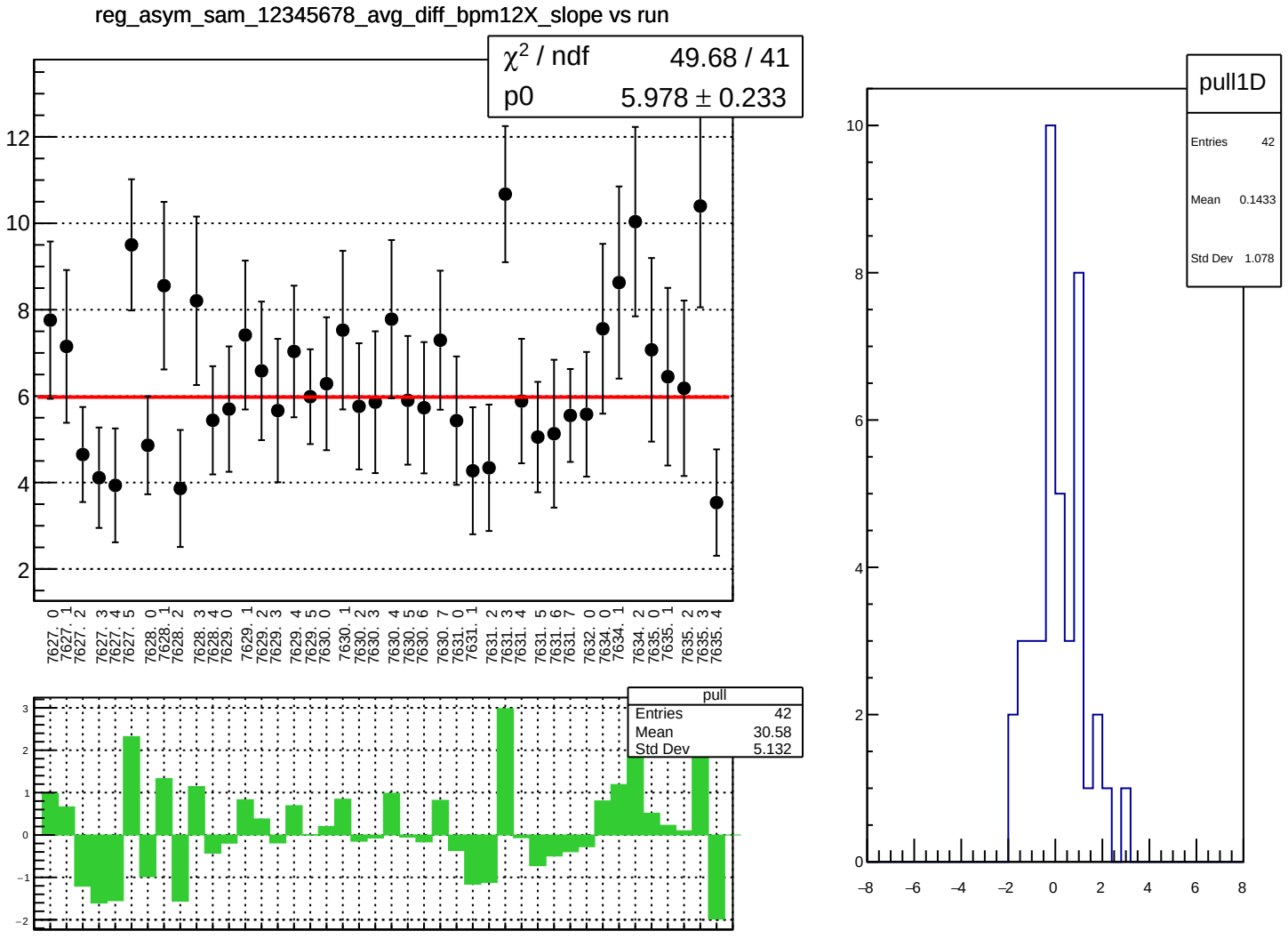

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.11 / 41
p0 −22.18 ± 2.329
pull
Entries 42
Mean 279.4
Std Dev 0

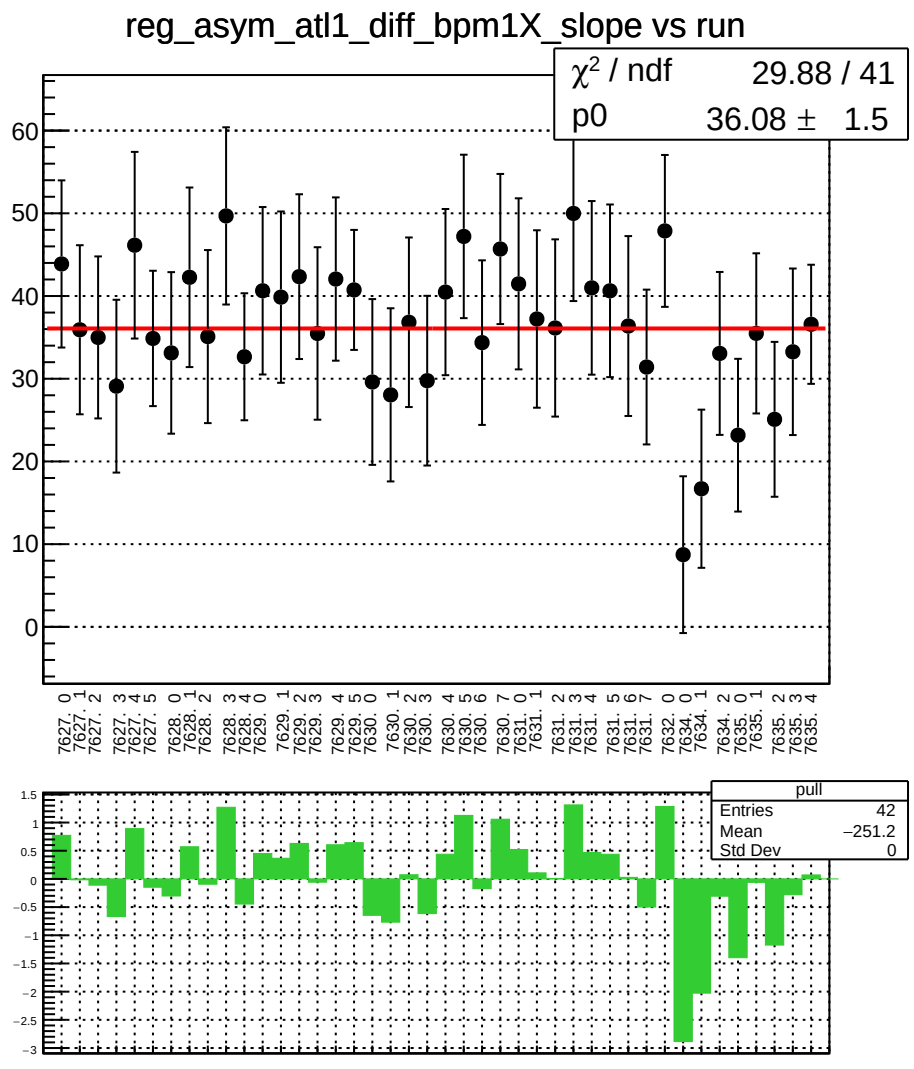

pull1D
Entries 42
Mean −0.01268
Std Dev 0.5997

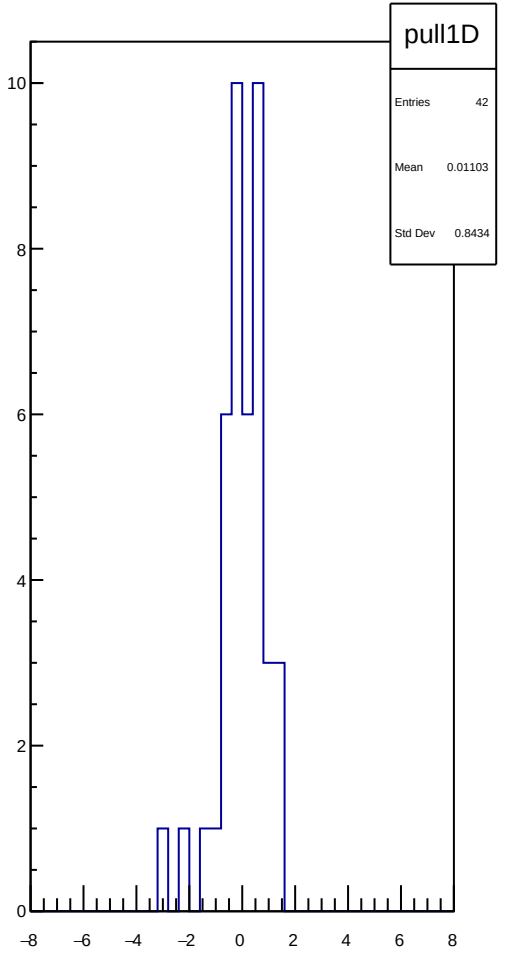

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.71 / 41
p0 −110.1± 1.466
pull
Entries 42
Mean −27.15
Std Dev 0
pull1D
Entries 42
Mean −0.07542
Std Dev 1.074

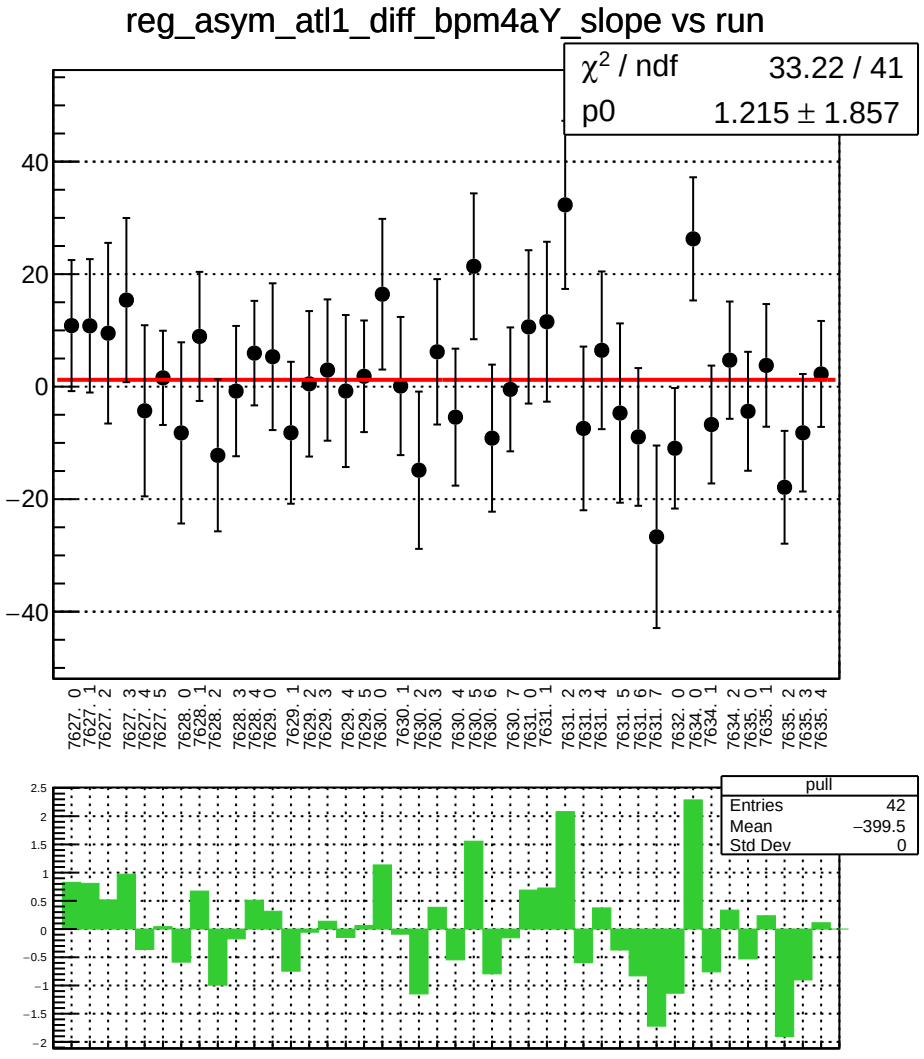

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.53 / 41
p0 62.31 ± 3.415
120
100
80
60
40
20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 256.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1

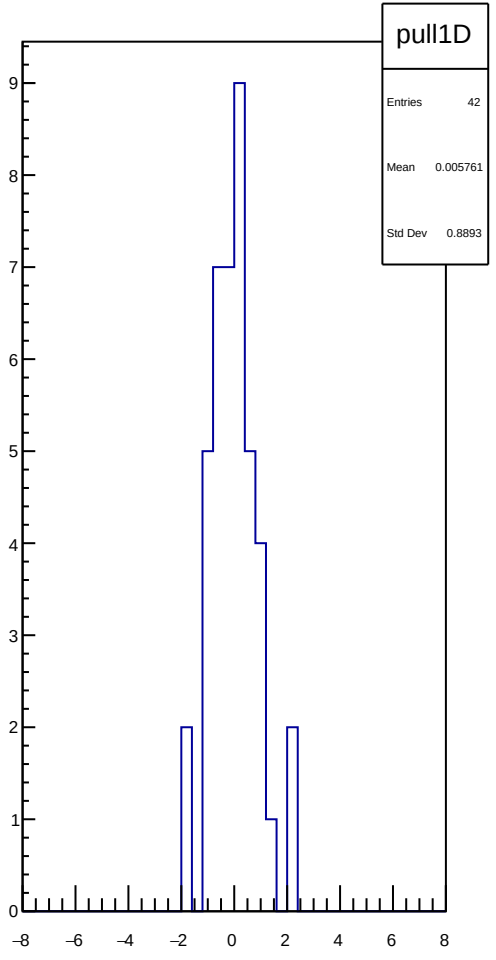

pull1D
Entries 42
Mean 0.01498
Std Dev 0.6078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

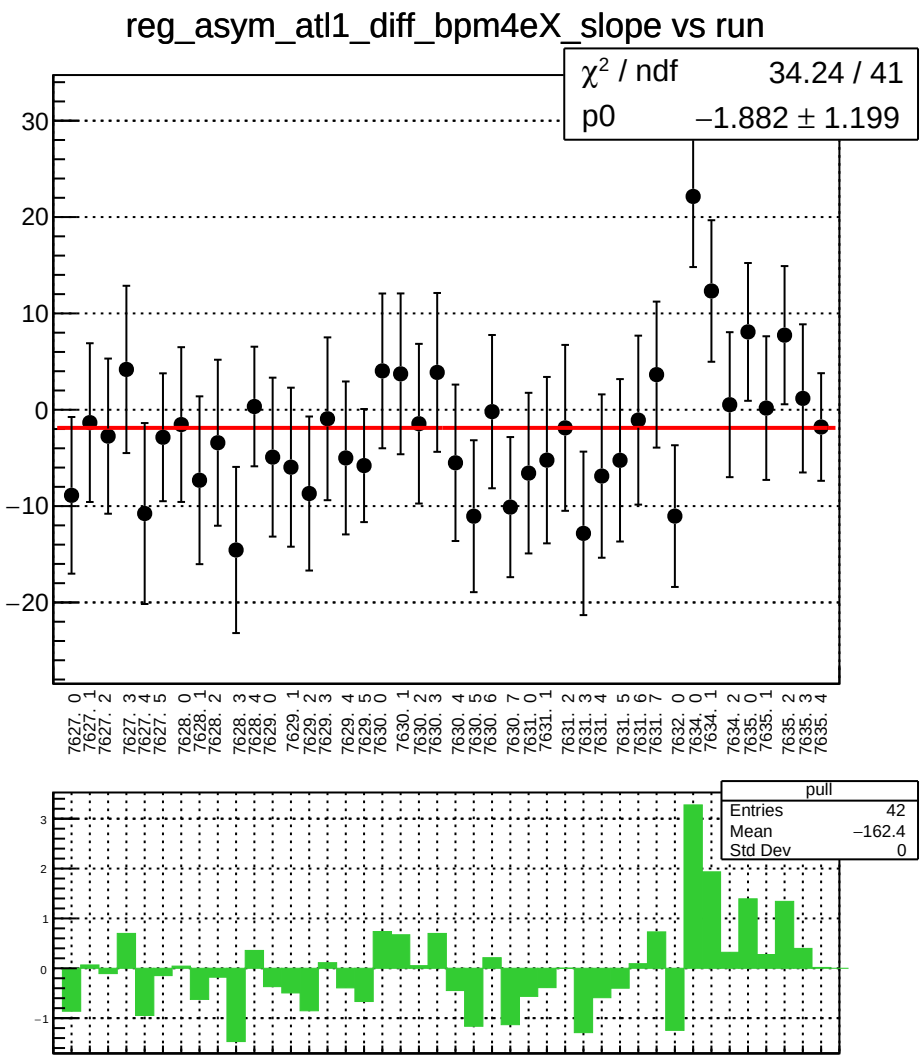

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 49.68 / 41
p0 5.978 ± 0.233
pull
Entries 42
Mean 30.58
Std Dev 5.132
pull1D
Entries 42
Mean 0.1433
Std Dev 1.078

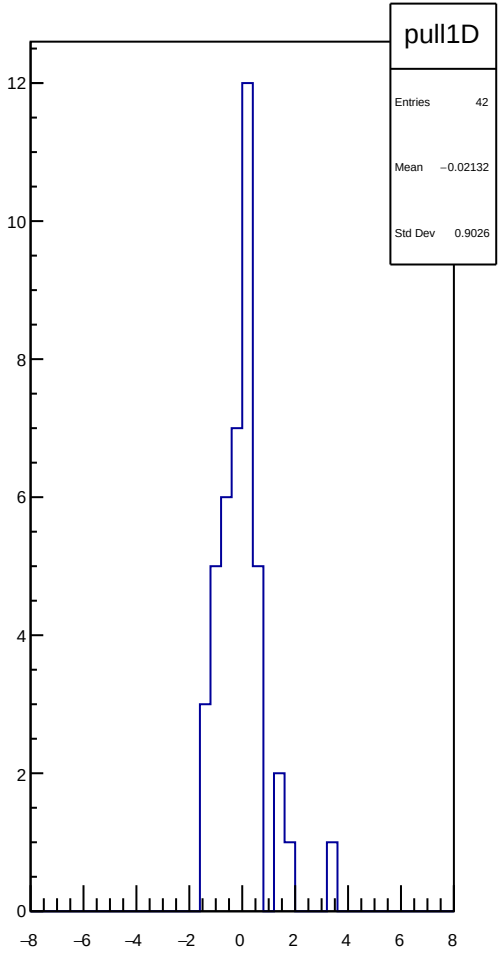

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 29.88 / 41
p0 36.08 ± 1.5
pull
Entries 42
Mean −251.2
Std Dev 0

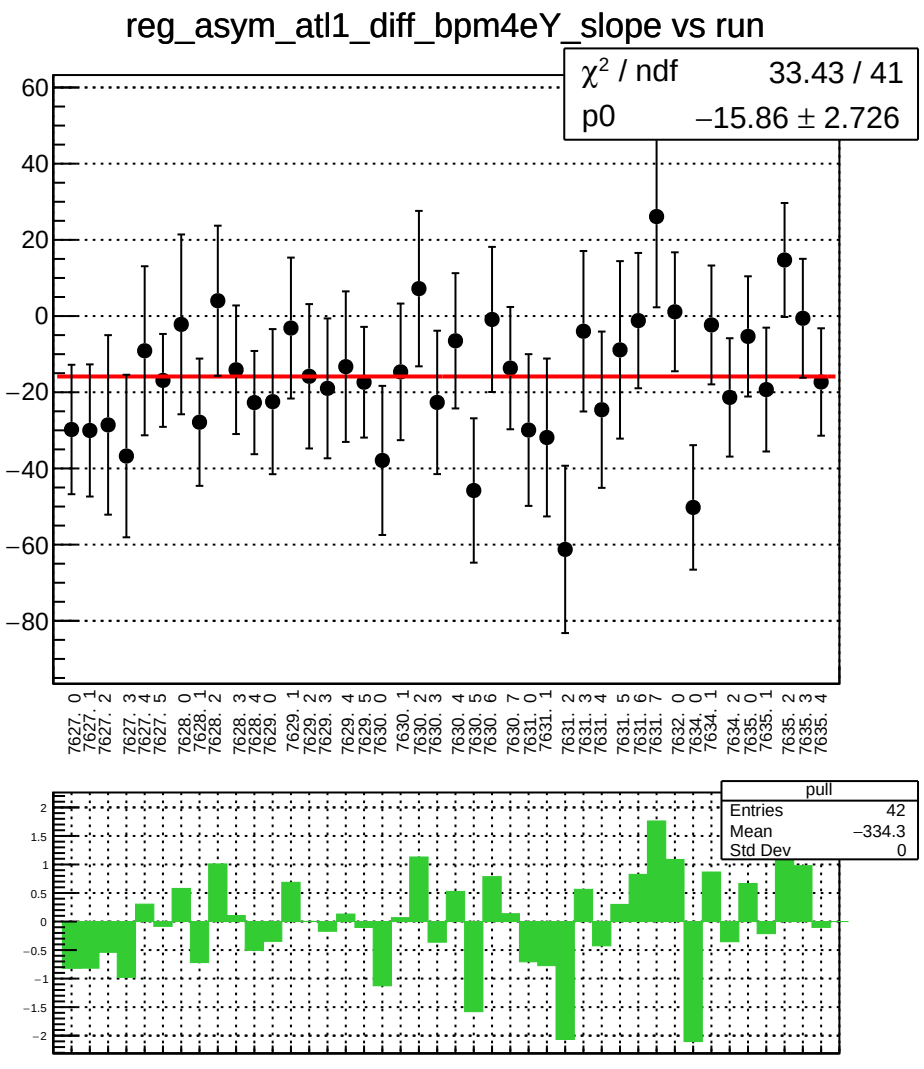

pull1D
Entries 42
Mean 0.01103
Std Dev 0.8434

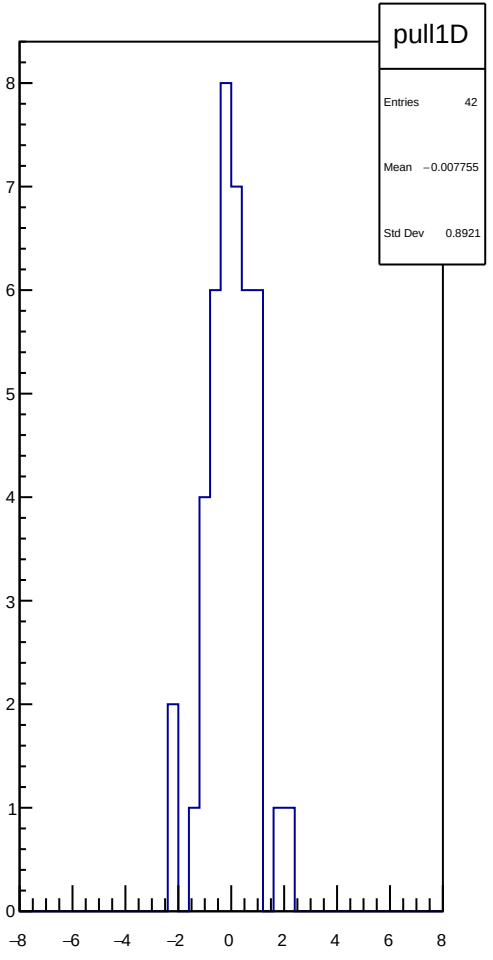

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 33.22 / 41
p0 1.215 ± 1.857
pull
Entries 42
Mean −399.5
Std Dev 0

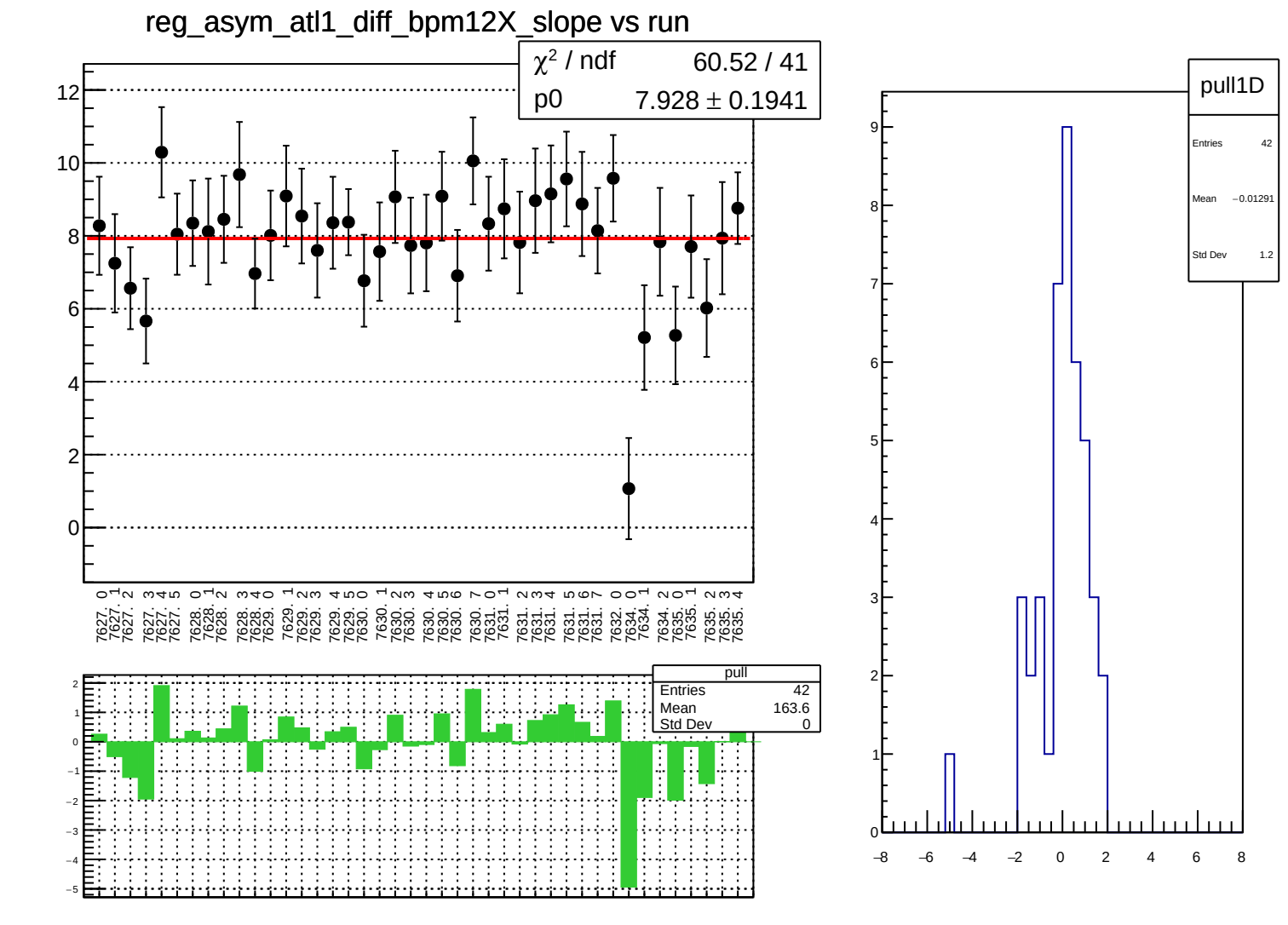

pull1D
Entries 42
Mean 0.005761
Std Dev 0.8893

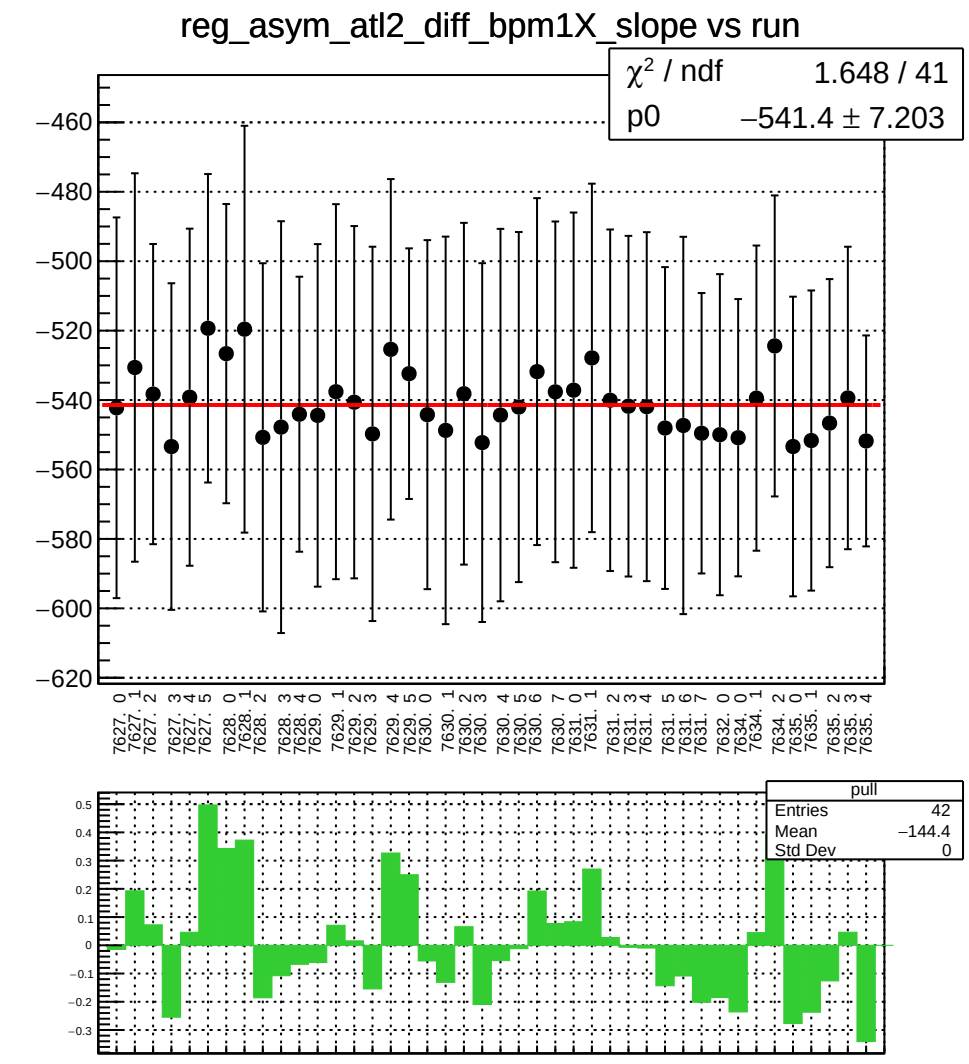

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 34.24 / 41
p0 −1.882 ± 1.199
30
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −162.4
Std Dev 0
3
2
1
0
−1

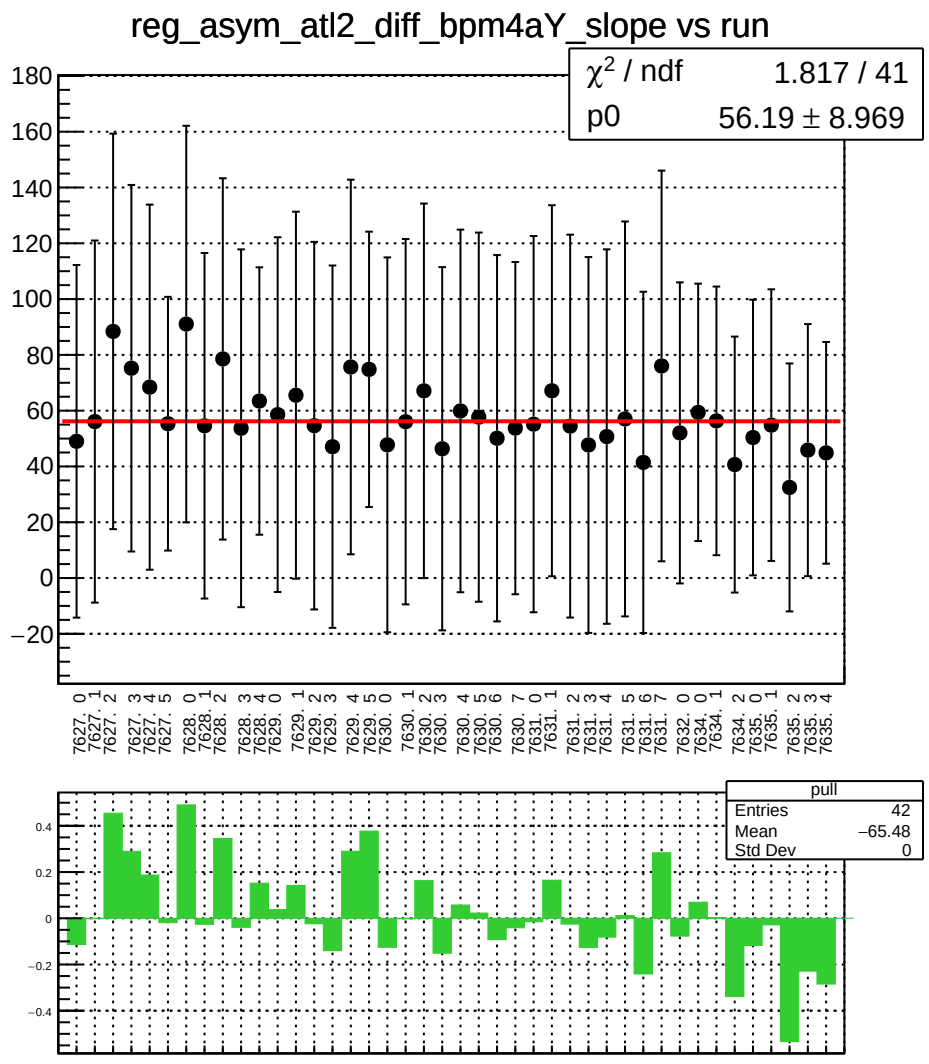

pull1D
Entries 42
Mean −0.02132
Std Dev 0.9026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

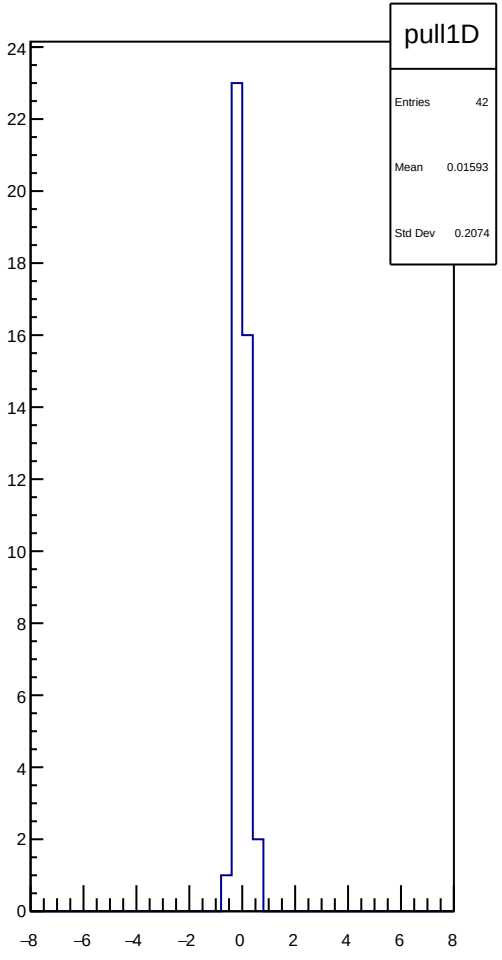

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 33.43 / 41
p0 −15.86 ± 2.726
pull
Entries 42
Mean −334.3
Std Dev 0

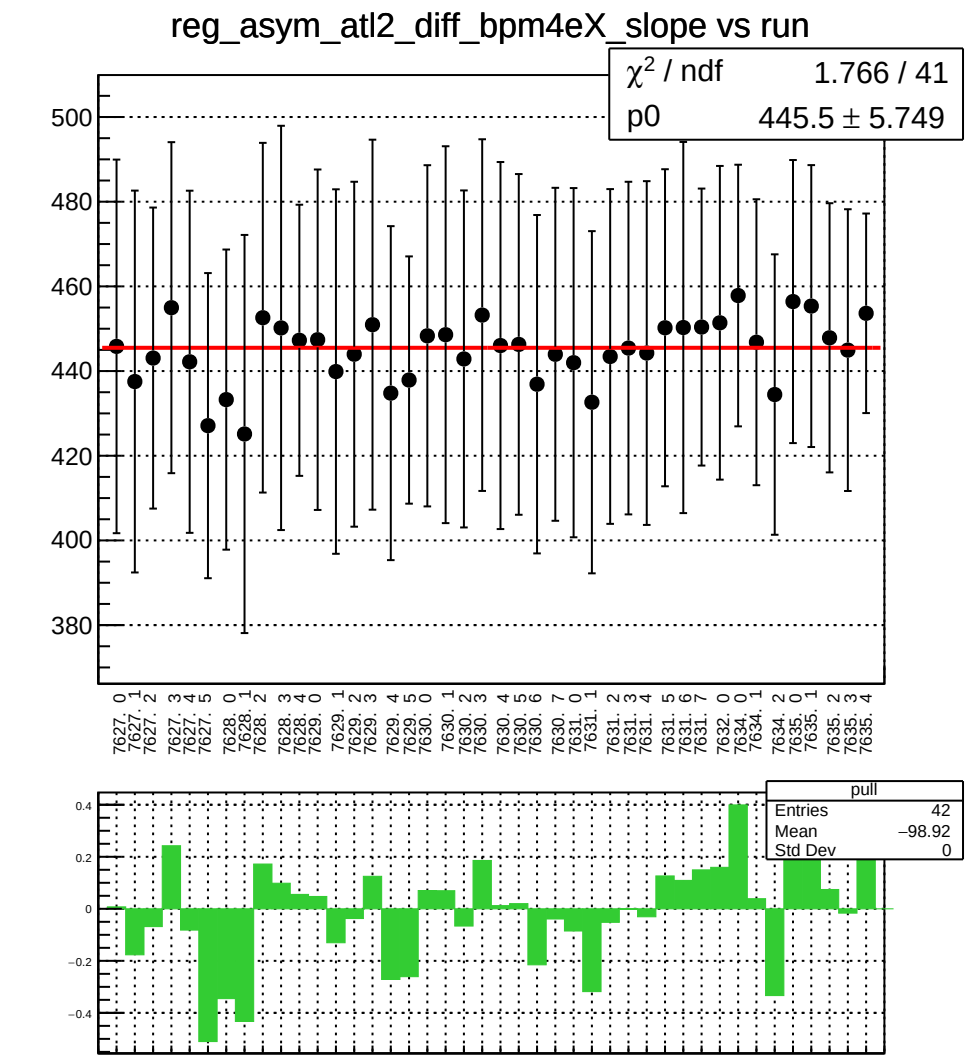

pull1D
Entries 42
Mean −0.007755
Std Dev 0.8921

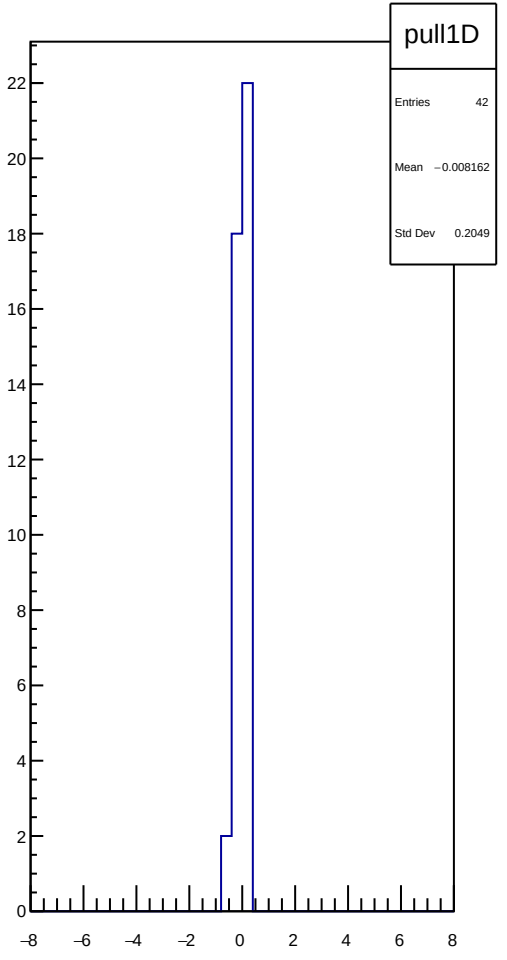

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 60.52 / 41
p0 7.928 ± 0.1941
pull
Entries 42
Mean 163.6
Std Dev 0
pull1D
Entries 42
Mean −0.01291
Std Dev 1.2

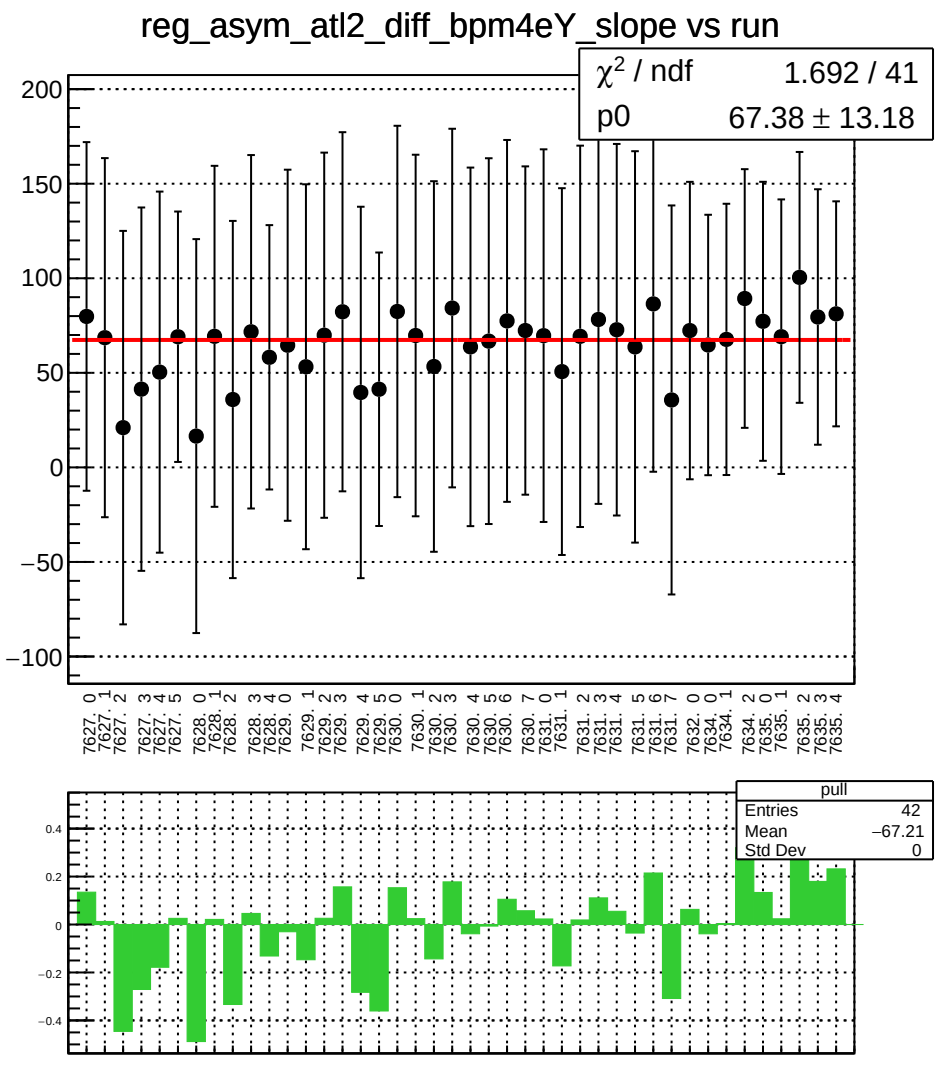

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 1.648 / 41
p0 −541.4 ± 7.203
pull
Entries 42
Mean −144.4
Std Dev 0
pull1D
Entries 42
Mean 0.004922
Std Dev 0.198

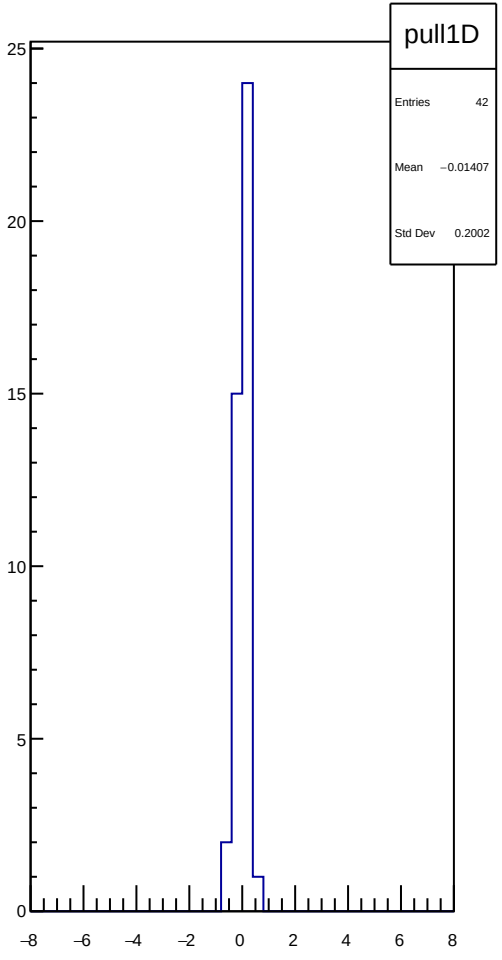

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 1.817 / 41
p0 56.19 ± 8.969
pull
Entries 42
Mean −65.48
Std Dev 0

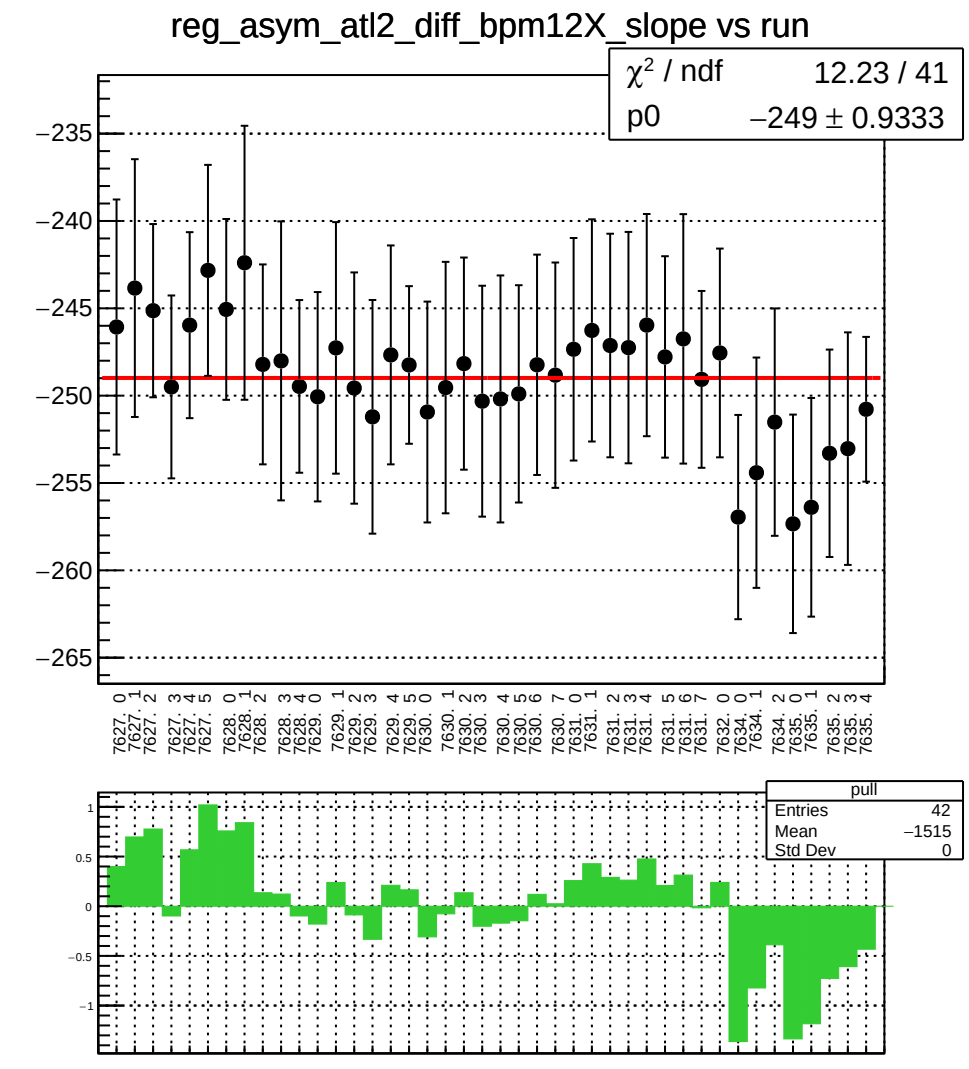

pull1D
Entries 42
Mean 0.01593
Std Dev 0.2074

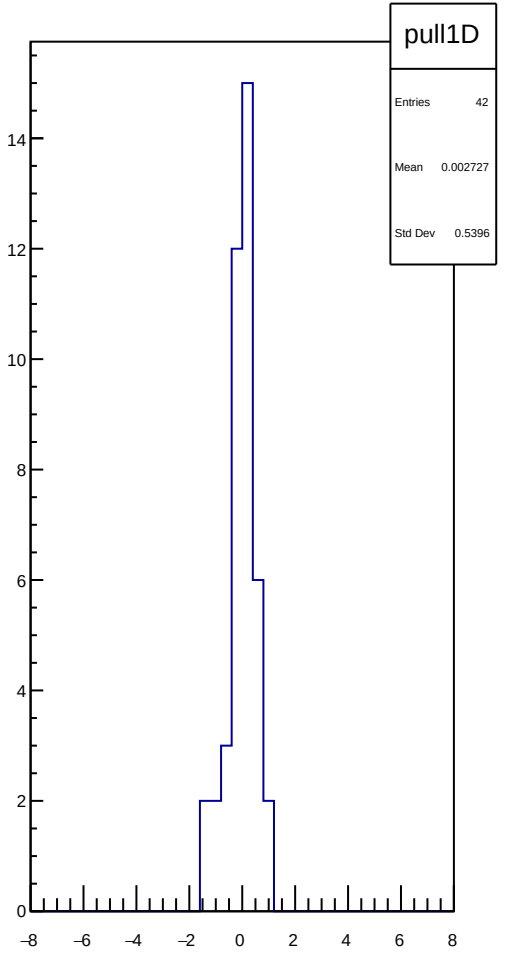

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 1.766 / 41
p0 445.5 ± 5.749
500
480
460
440
420
400
380
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −98.92
Std Dev 0
0.4
0.2
0
−0.2
−0.4

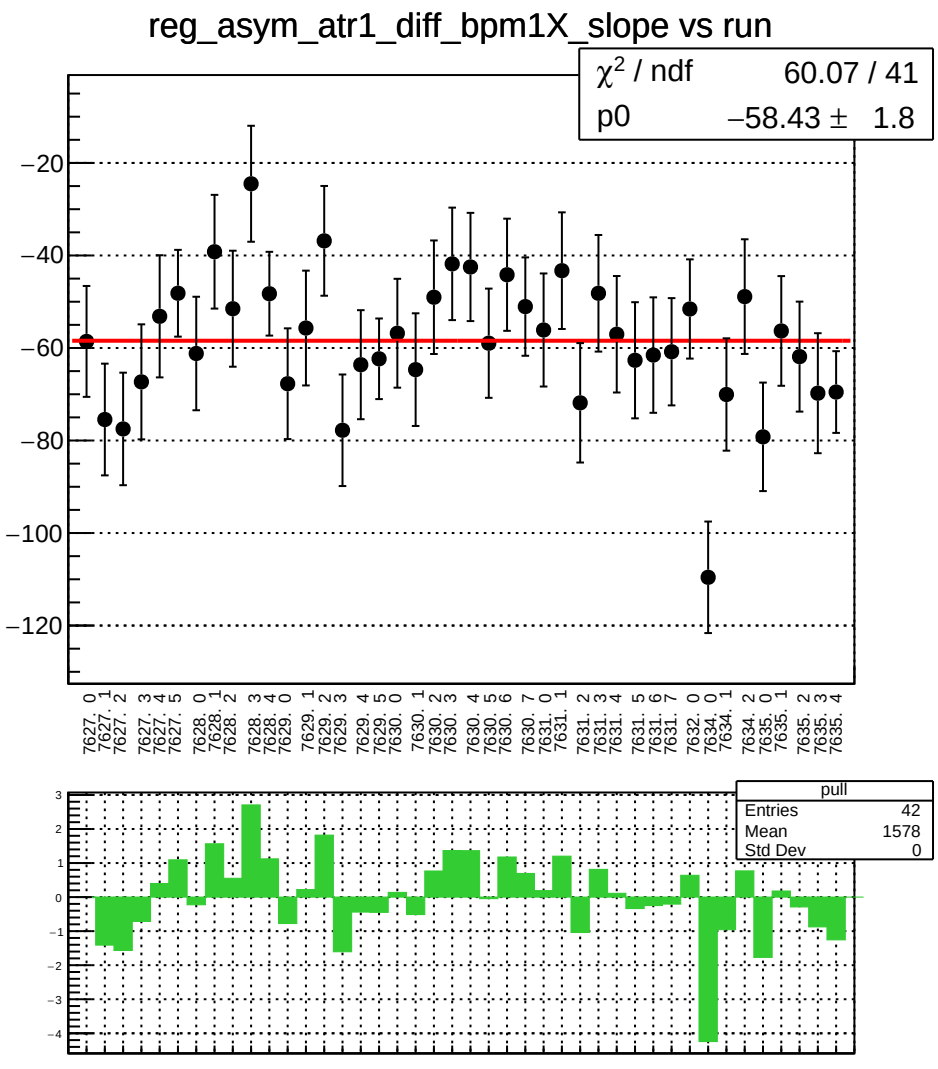

pull1D
Entries 42
Mean −0.008162
Std Dev 0.2049
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

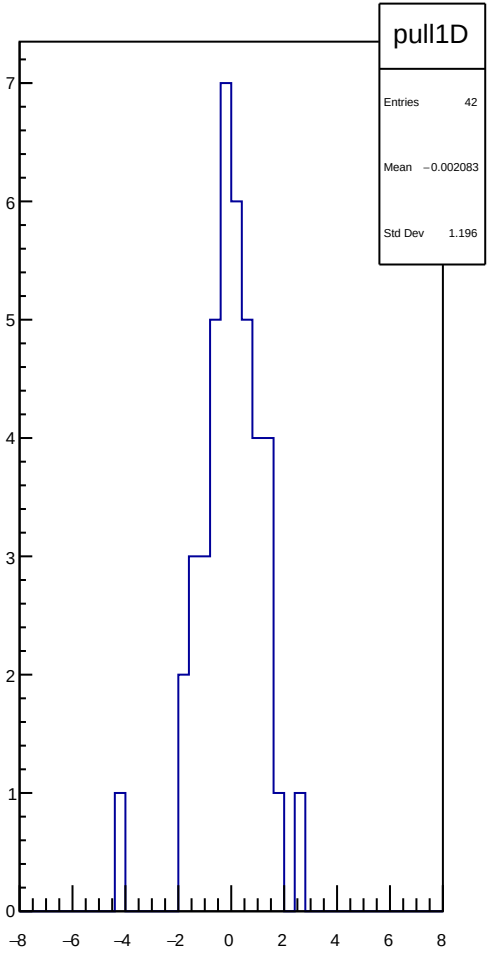

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 1.692 / 41
p0 67.38 ± 13.18
200
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −67.21
Std Dev 0
0.4
0.2
0
−0.2
−0.4

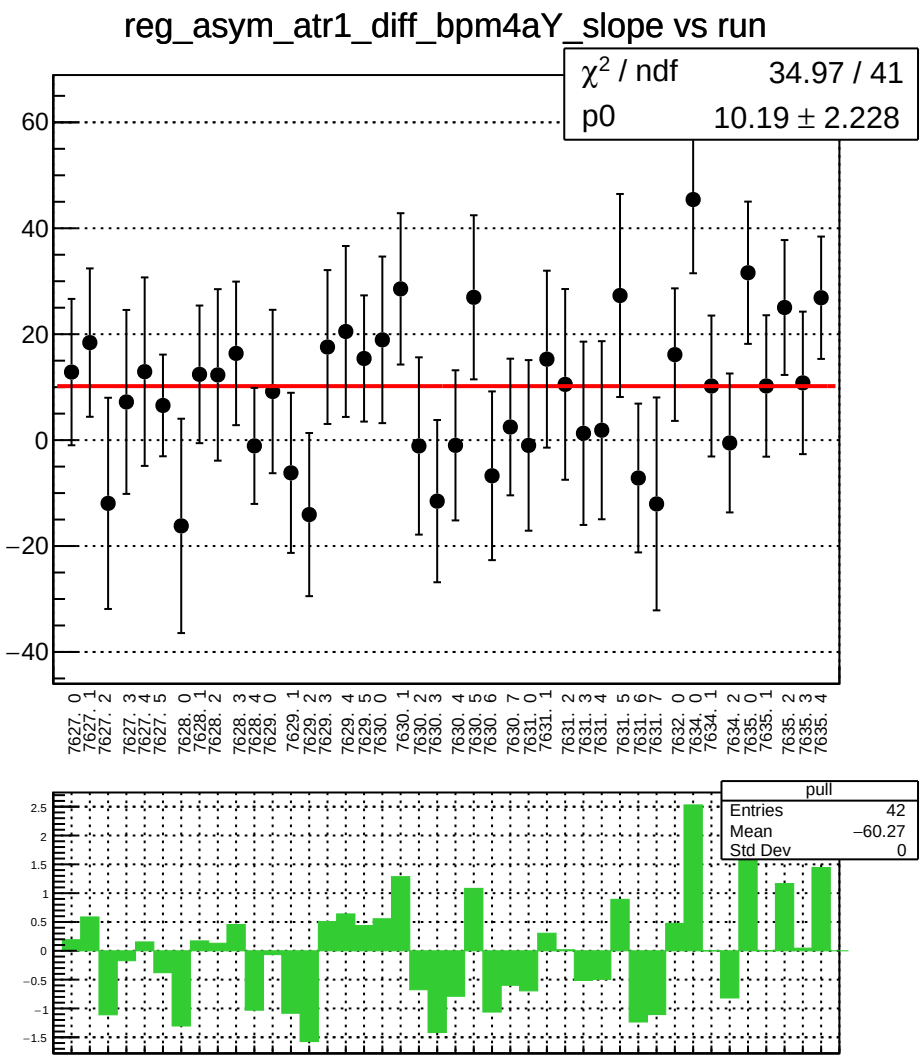

pull1D
Entries 42
Mean −0.01407
Std Dev 0.2002
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

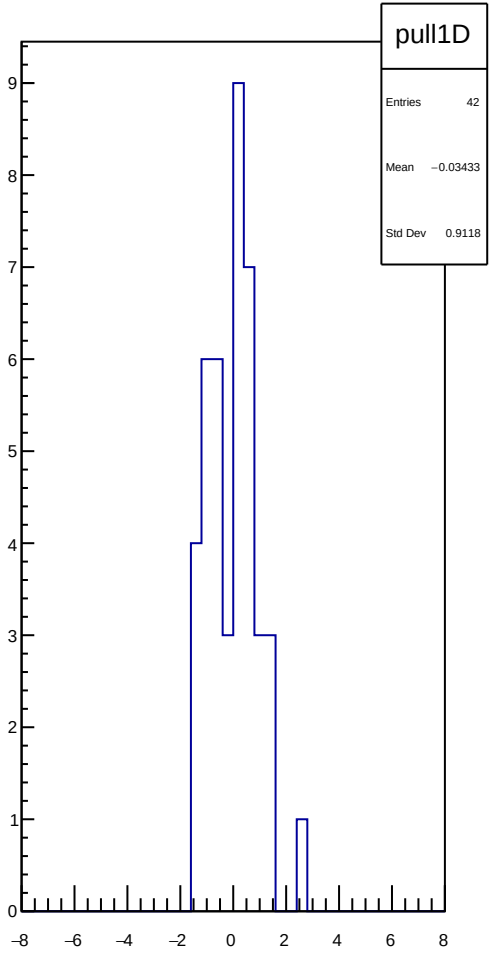

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 12.23 / 41
p0 −249 ± 0.9333
−235
−240
−245
−250
−255
−260
−265
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −1515
Std Dev 0
1
0.5
0
−0.5
−1

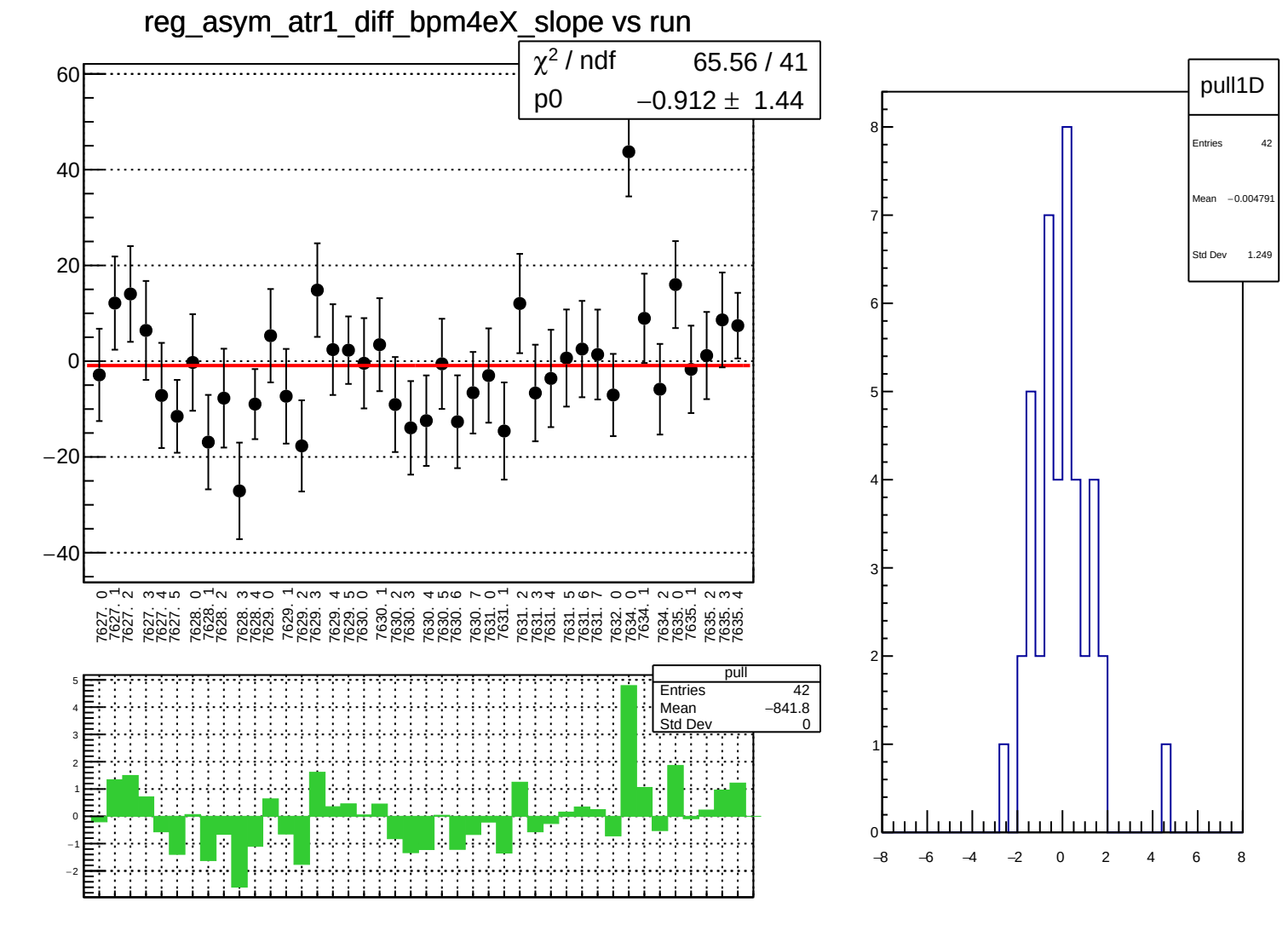

pull1D
Entries 42
Mean 0.002727
Std Dev 0.5396
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

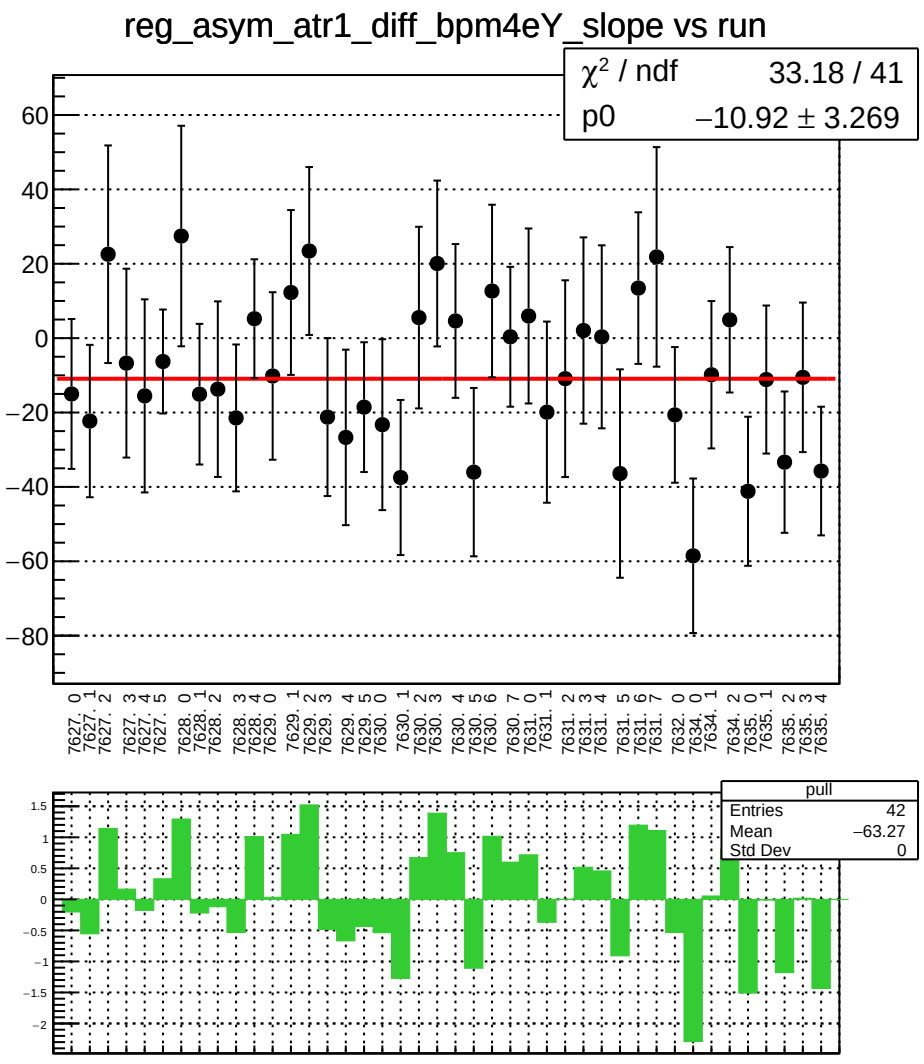

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 60.07 / 41
p0 −58.43 ± 1.8
−20
−40
−60
−80
−100
−120
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 1578
Std Dev 0
3
2
1
0
−1
−2
−3
−4

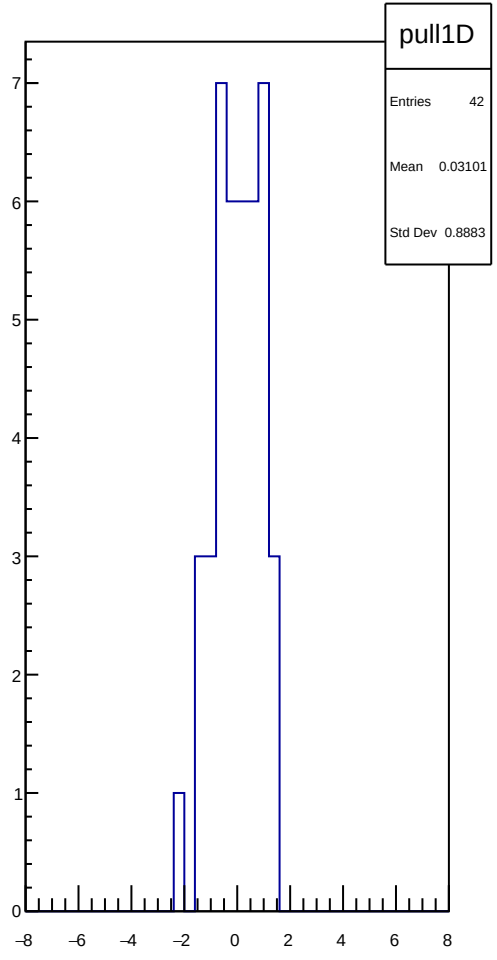

pull1D
Entries 42
Mean −0.002083
Std Dev 1.196
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

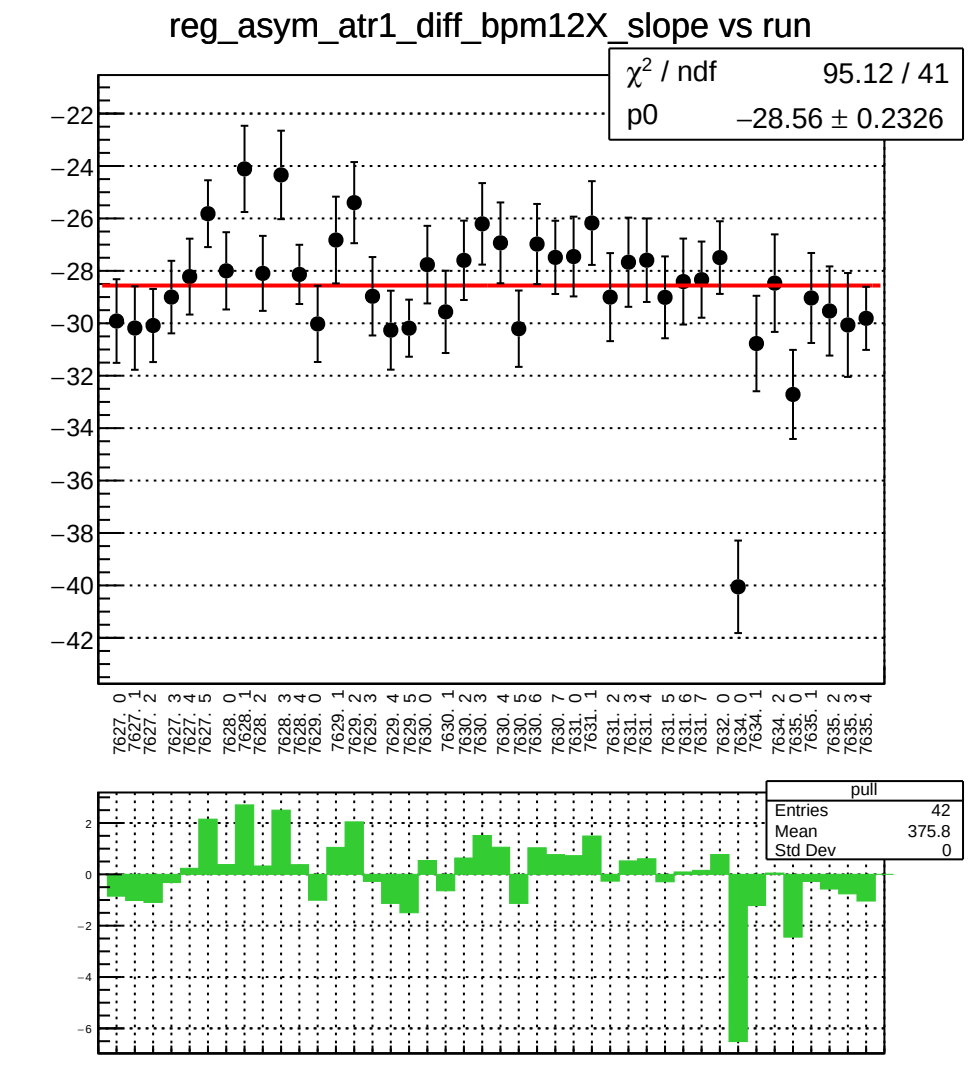

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 34.97 / 41
p0 10.19 ± 2.228
60
40
20
0
−20
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −60.27
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

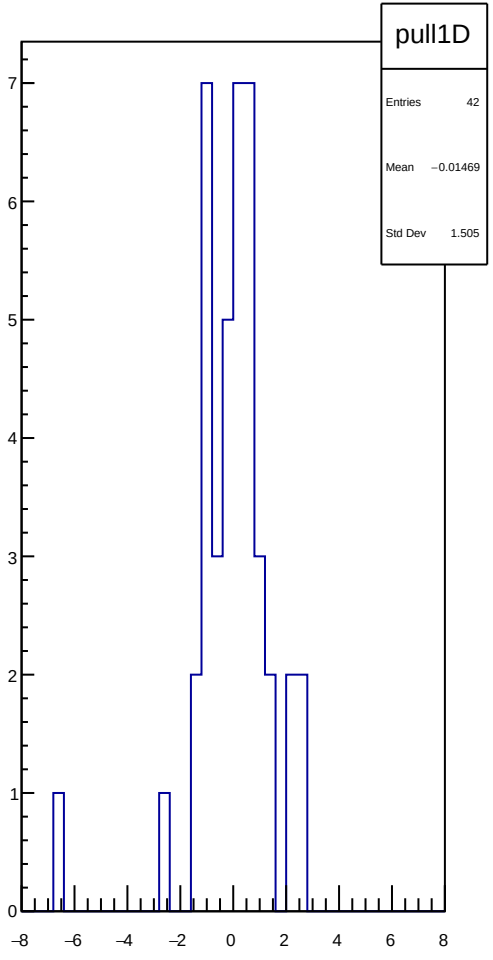

pull1D
Entries 42
Mean −0.03433
Std Dev 0.9118
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

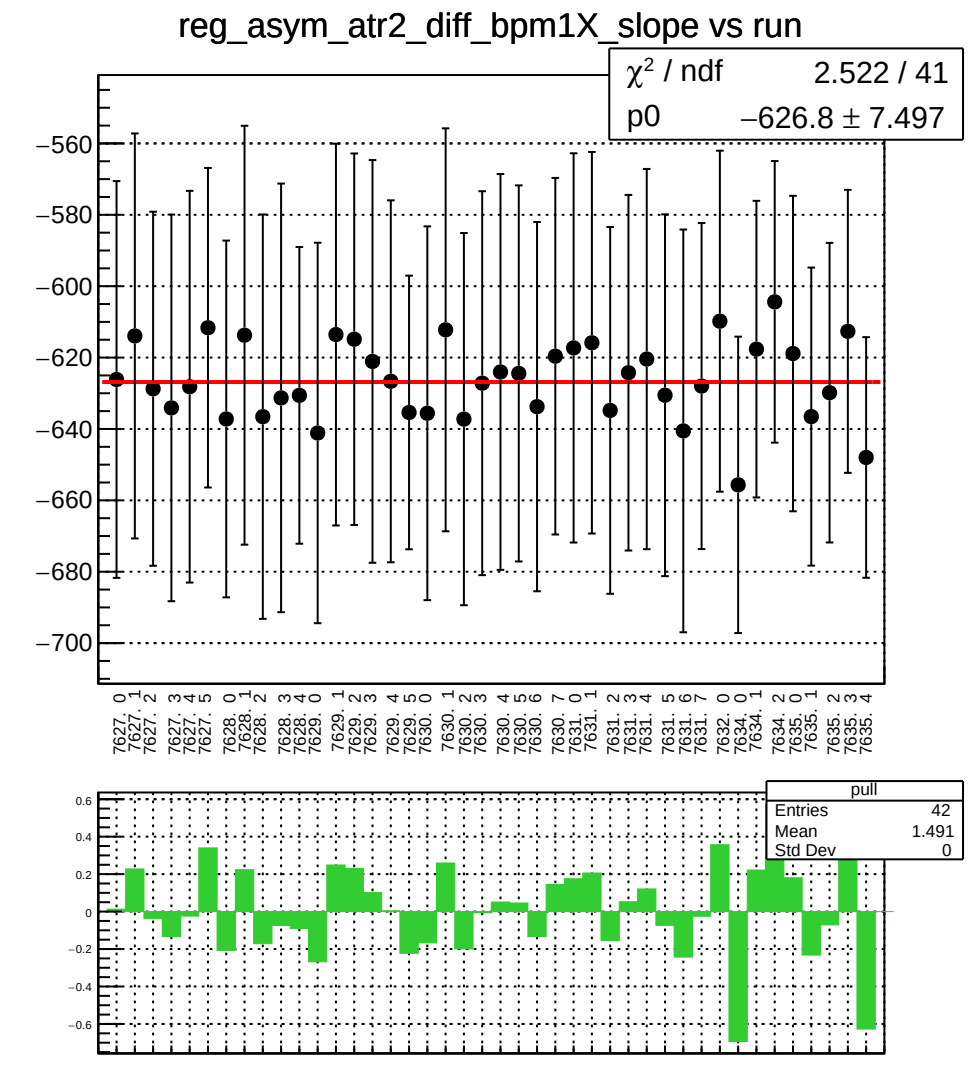

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 65.56 / 41
p0 −0.912 ± 1.44
pull
Entries 42
Mean −841.8
Std Dev 0
pull1D
Entries 42
Mean −0.004791
Std Dev 1.249

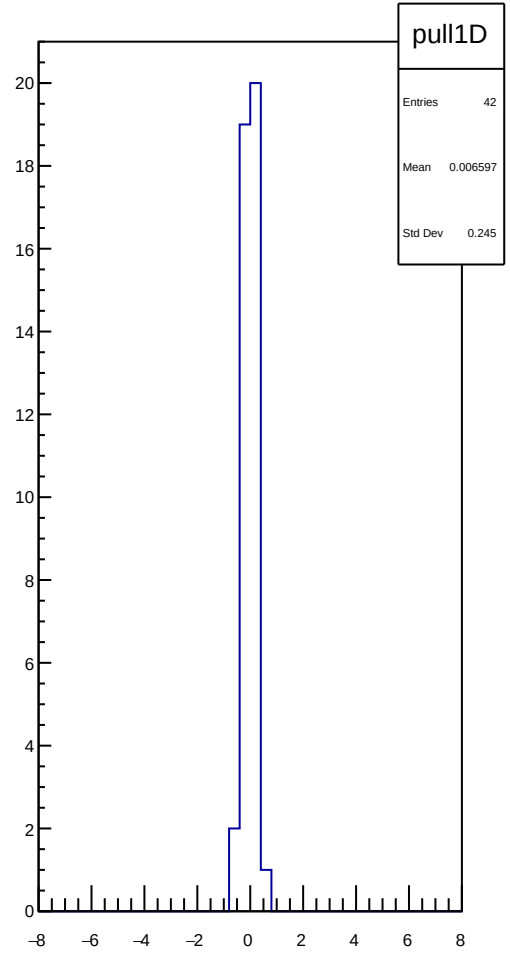

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 33.18 / 41
p0 −10.92 ± 3.269
pull
Entries 42
Mean −63.27
Std Dev 0

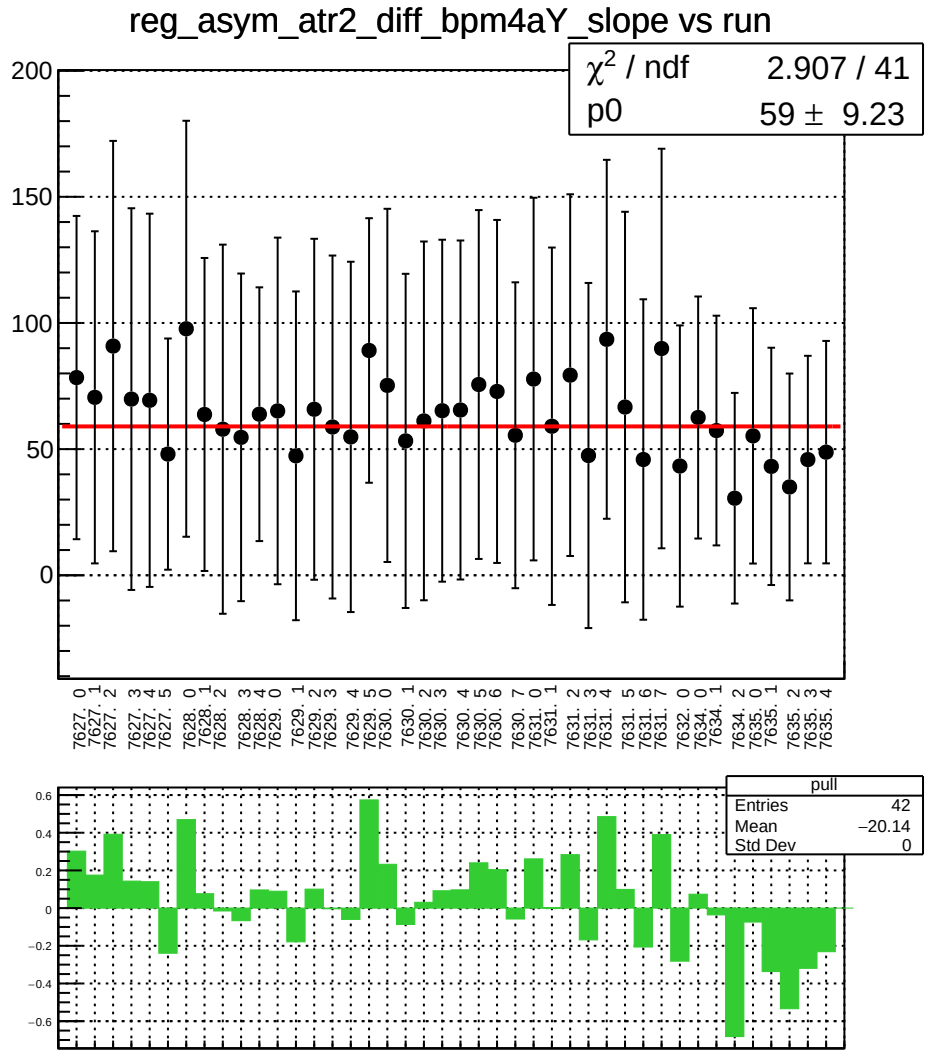

pull1D
Entries 42
Mean 0.03101
Std Dev 0.8883

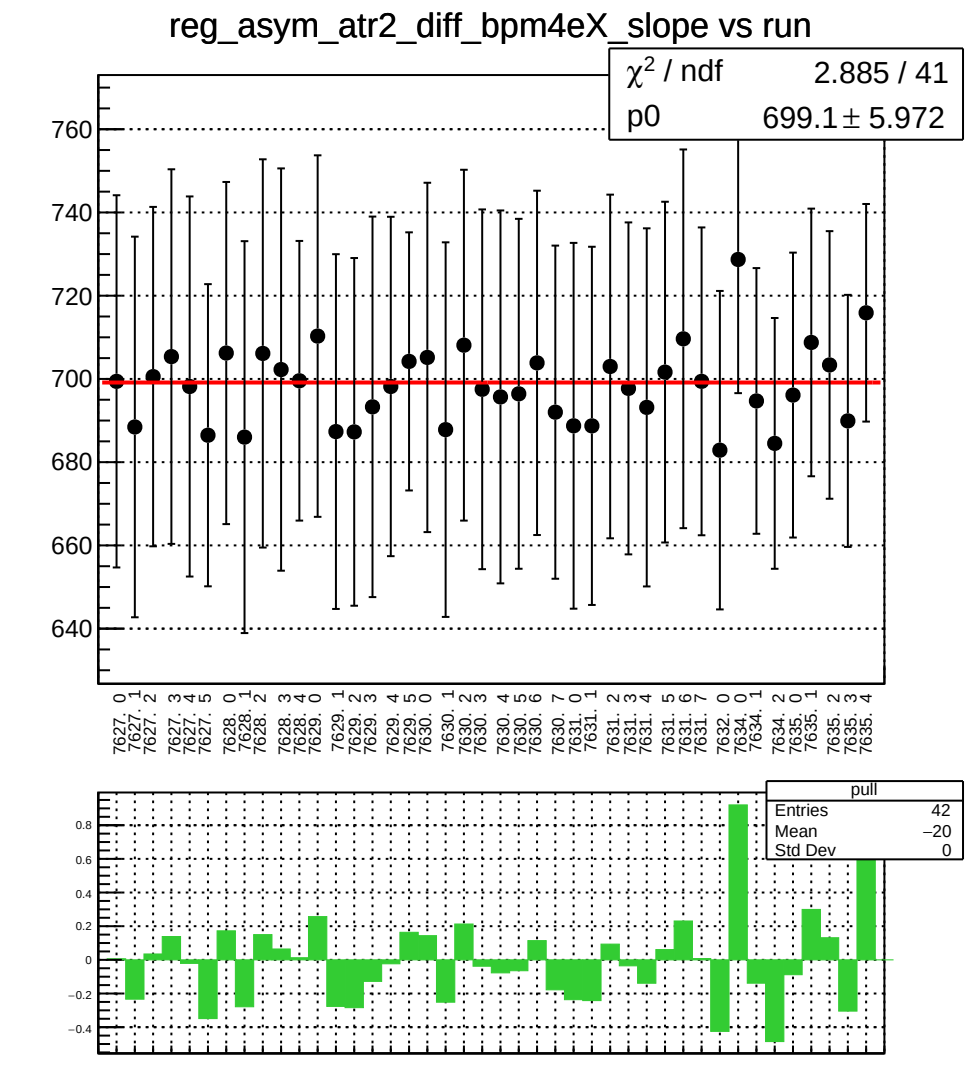

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 95.12 / 41
p0 −28.56 ± 0.2326
pull
Entries 42
Mean 375.8
Std Dev 0

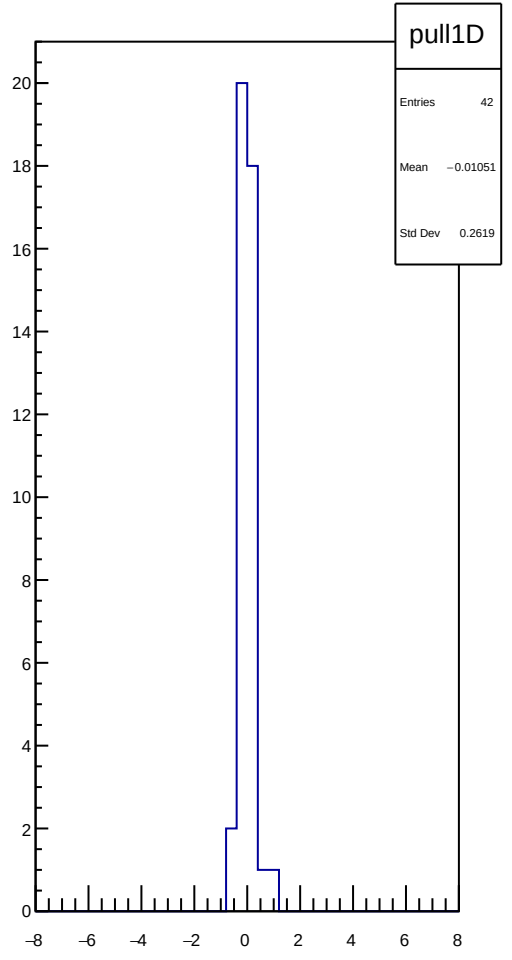

pull1D
Entries 42
Mean −0.01469
Std Dev 1.505

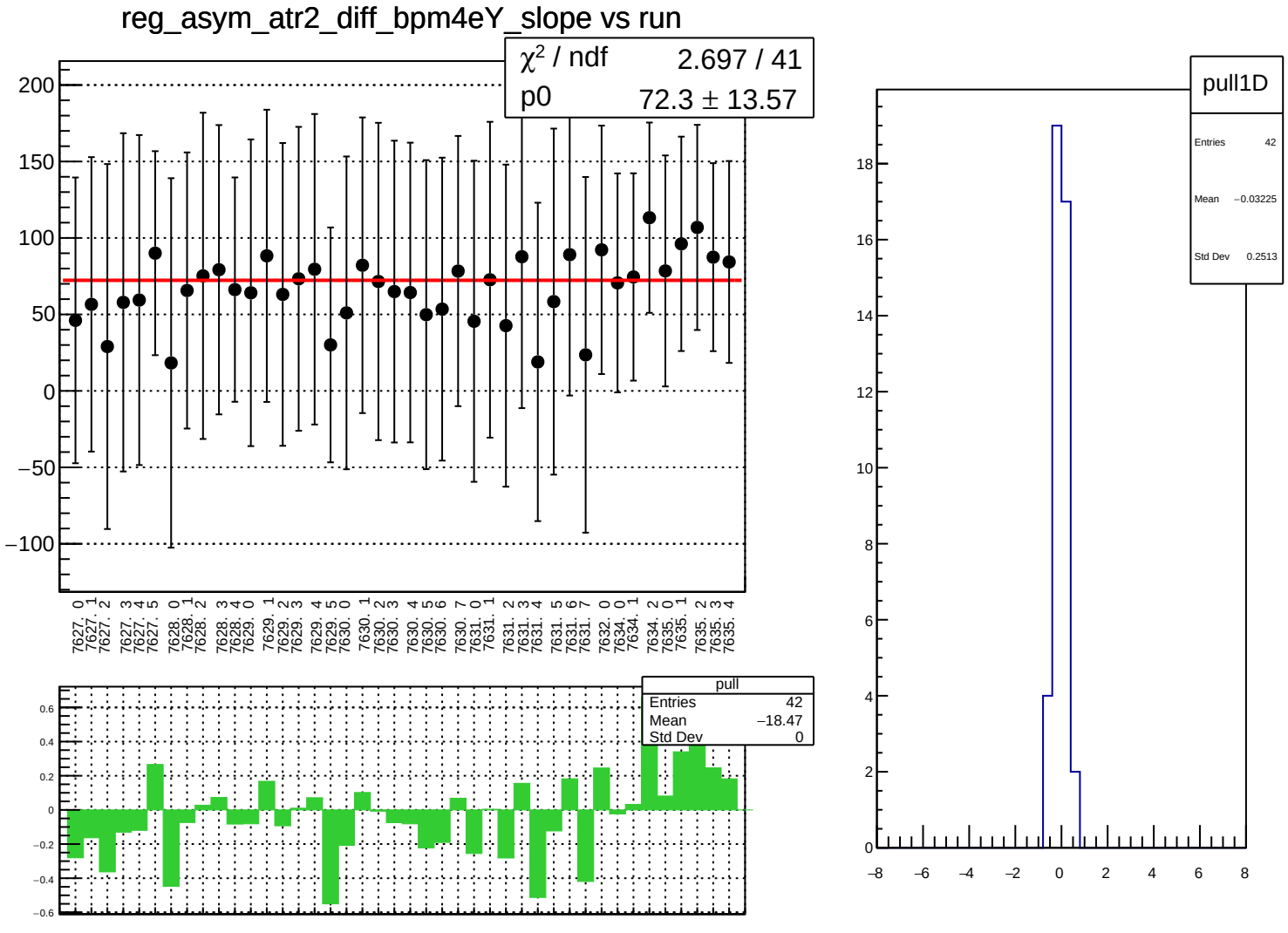

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 2.522 / 41
p0 −626.8 ± 7.497
pull
Entries 42
Mean 1.491
Std Dev 0

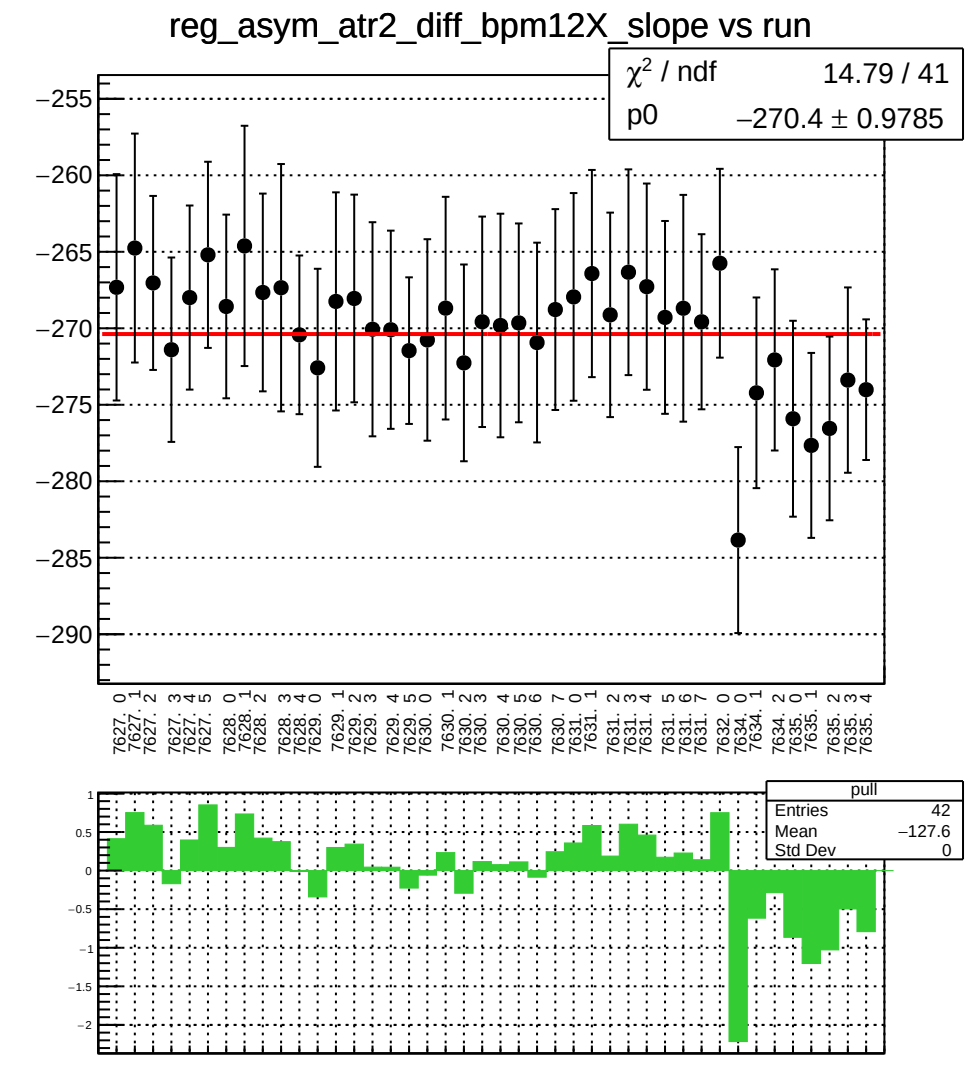

pull1D
Entries 42
Mean 0.006597
Std Dev 0.245

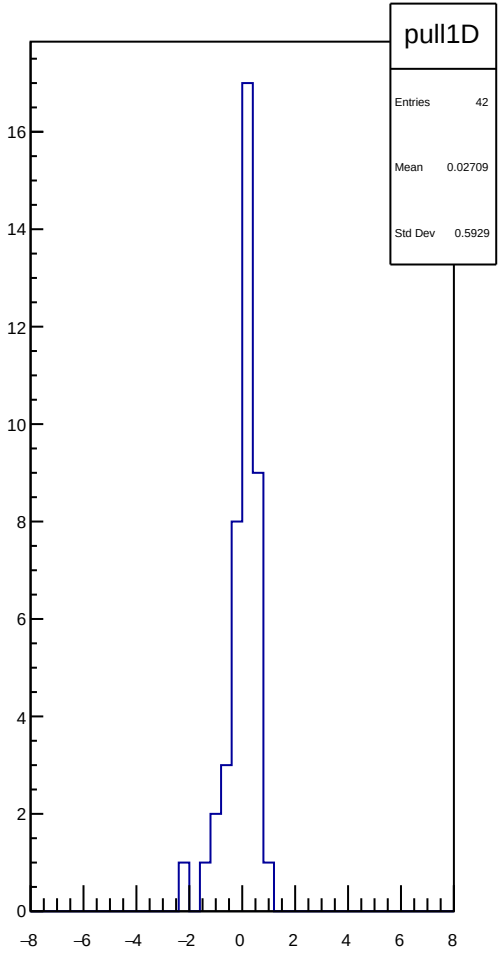

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.907 / 41
p0 59 ± 9.23
pull
Entries 42
Mean −20.14
Std Dev 0
pull1D
Entries 42
Mean 0.03506
Std Dev 0.2607

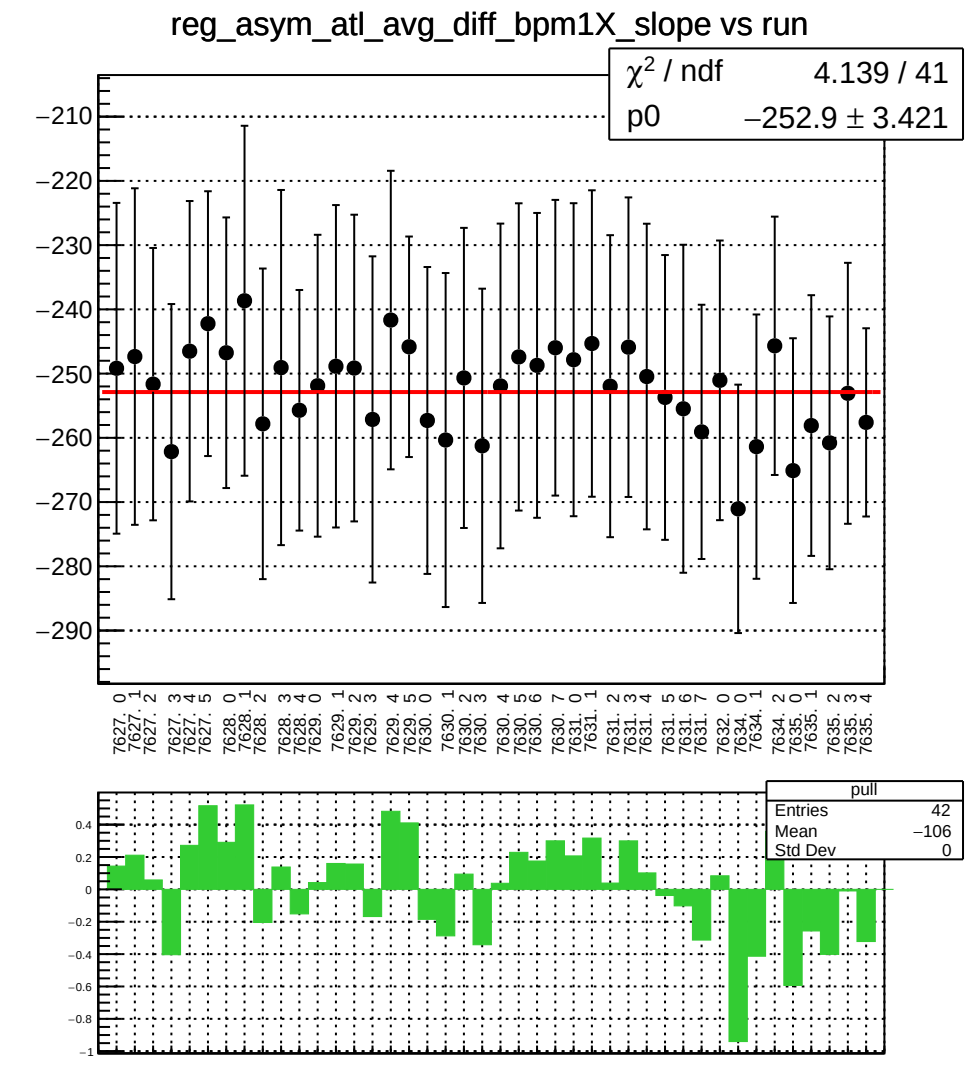

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 2.885 / 41
p0 699.1 ± 5.972
760
740
720
700
680
660
640
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −20
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4

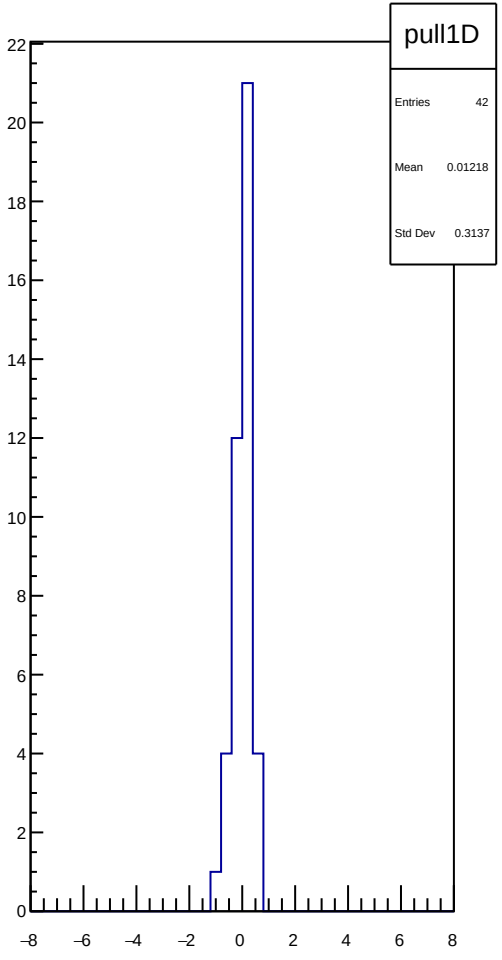

pull1D
Entries 42
Mean −0.01051
Std Dev 0.2619
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

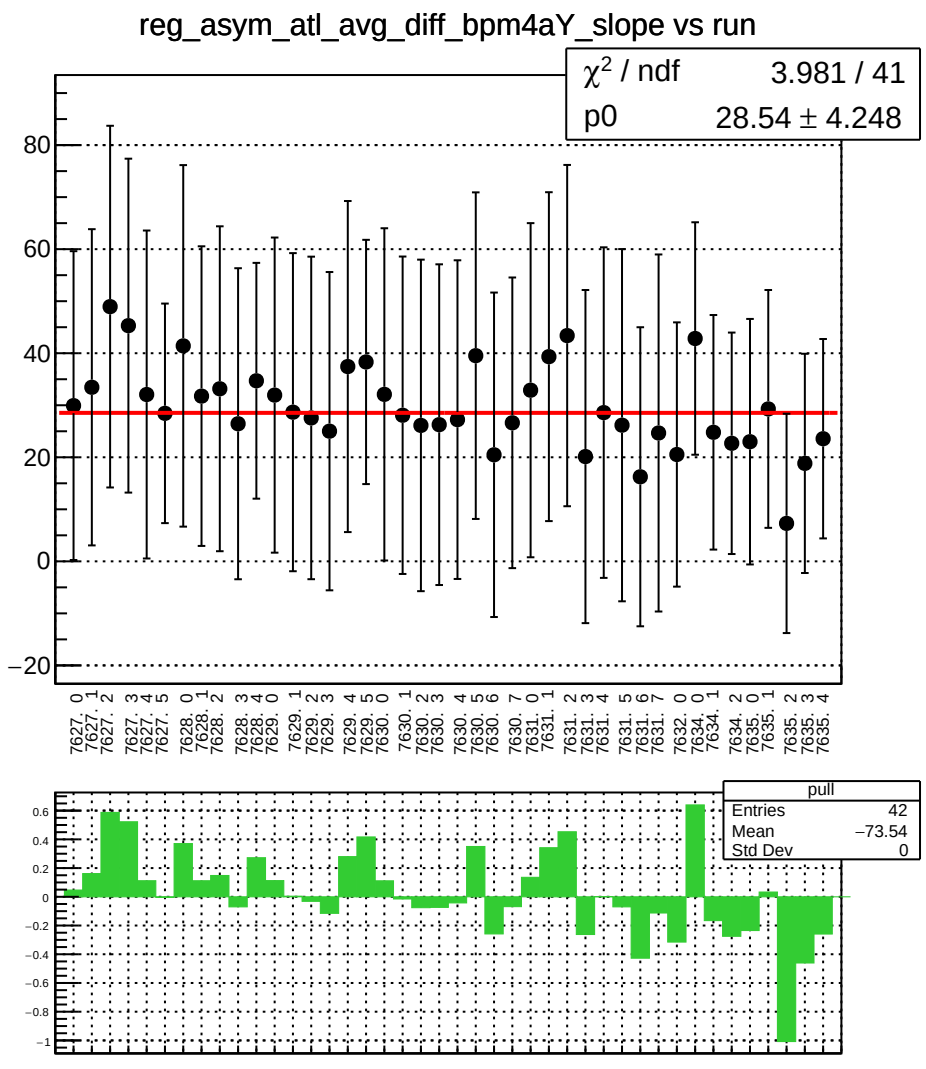

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 2.697 / 41
p0 72.3 ± 13.57
200
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −18.47
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 42
Mean −0.03225
Std Dev 0.2513
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

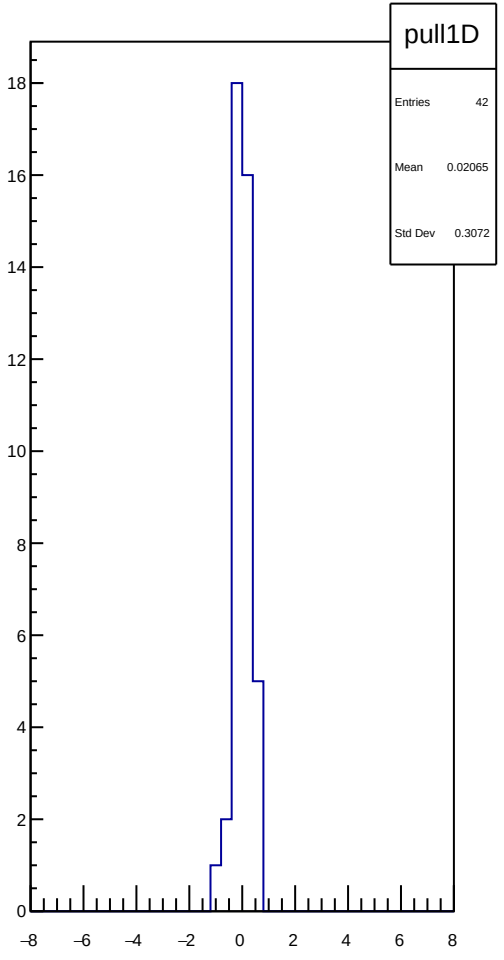

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 14.79 / 41
p0 −270.4 ± 0.9785
pull
Entries 42
Mean −127.6
Std Dev 0

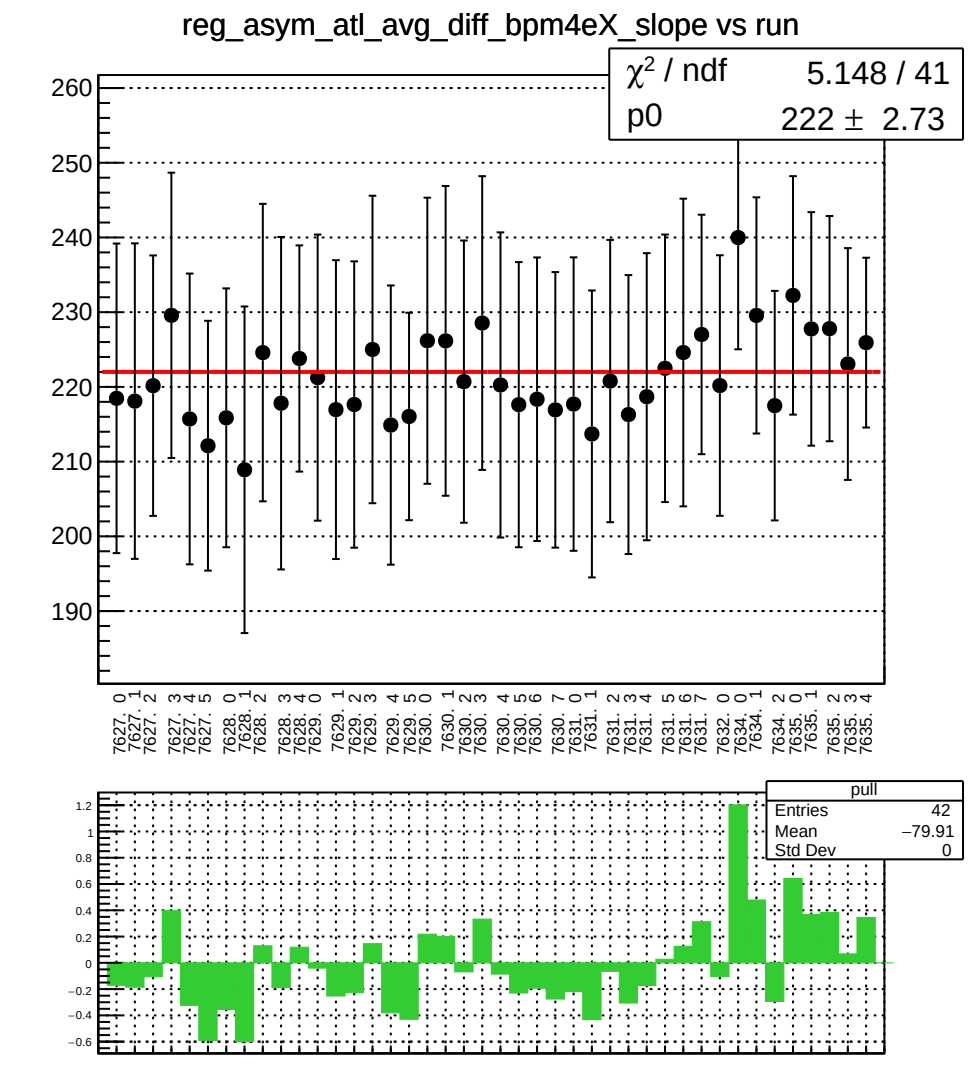

pull1D
Entries 42
Mean 0.02709
Std Dev 0.5929

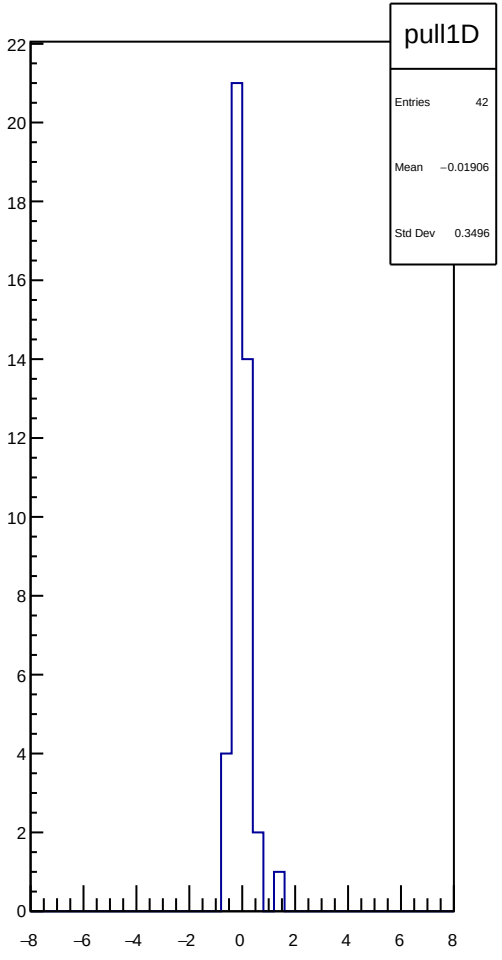

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 4.139 / 41
p0 −252.9 ± 3.421
pull
Entries 42
Mean −106
Std Dev 0

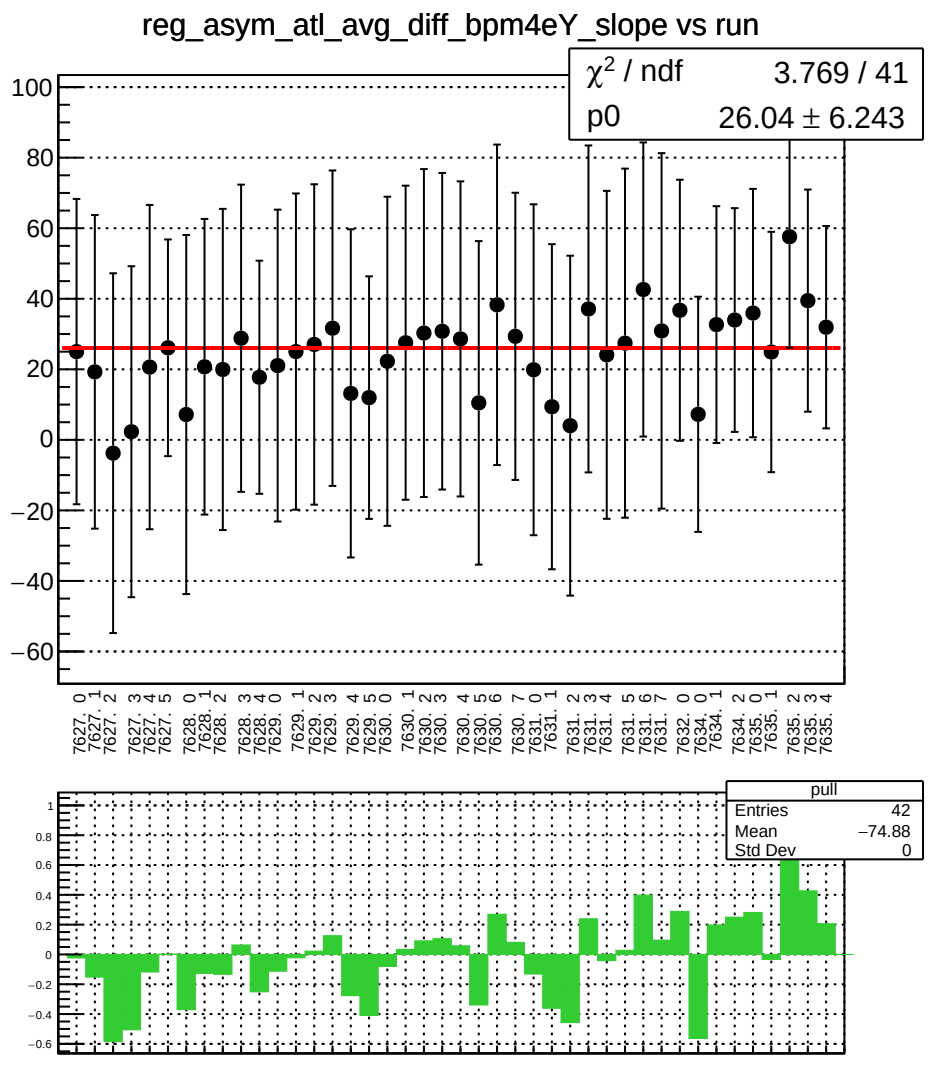

pull1D
Entries 42
Mean 0.01218
Std Dev 0.3137

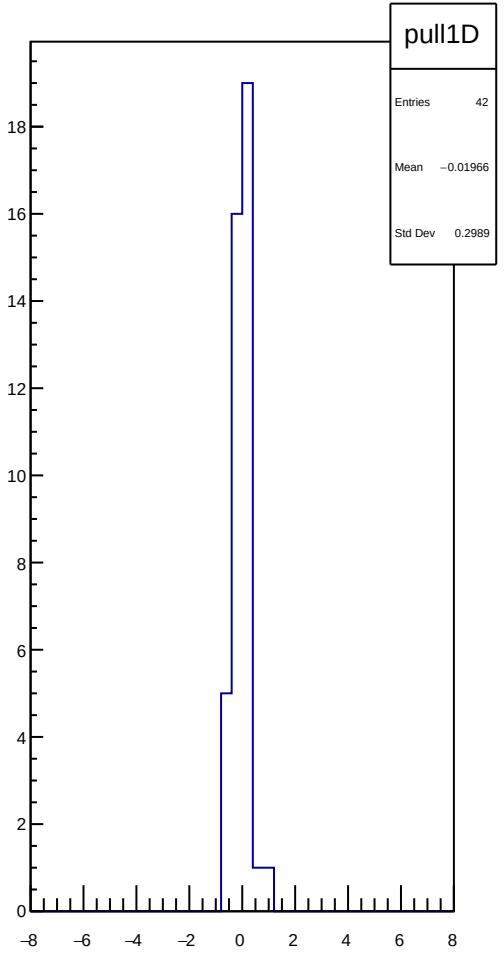

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.981 / 41
p0 28.54 ± 4.248
pull
Entries 42
Mean −73.54
Std Dev 0

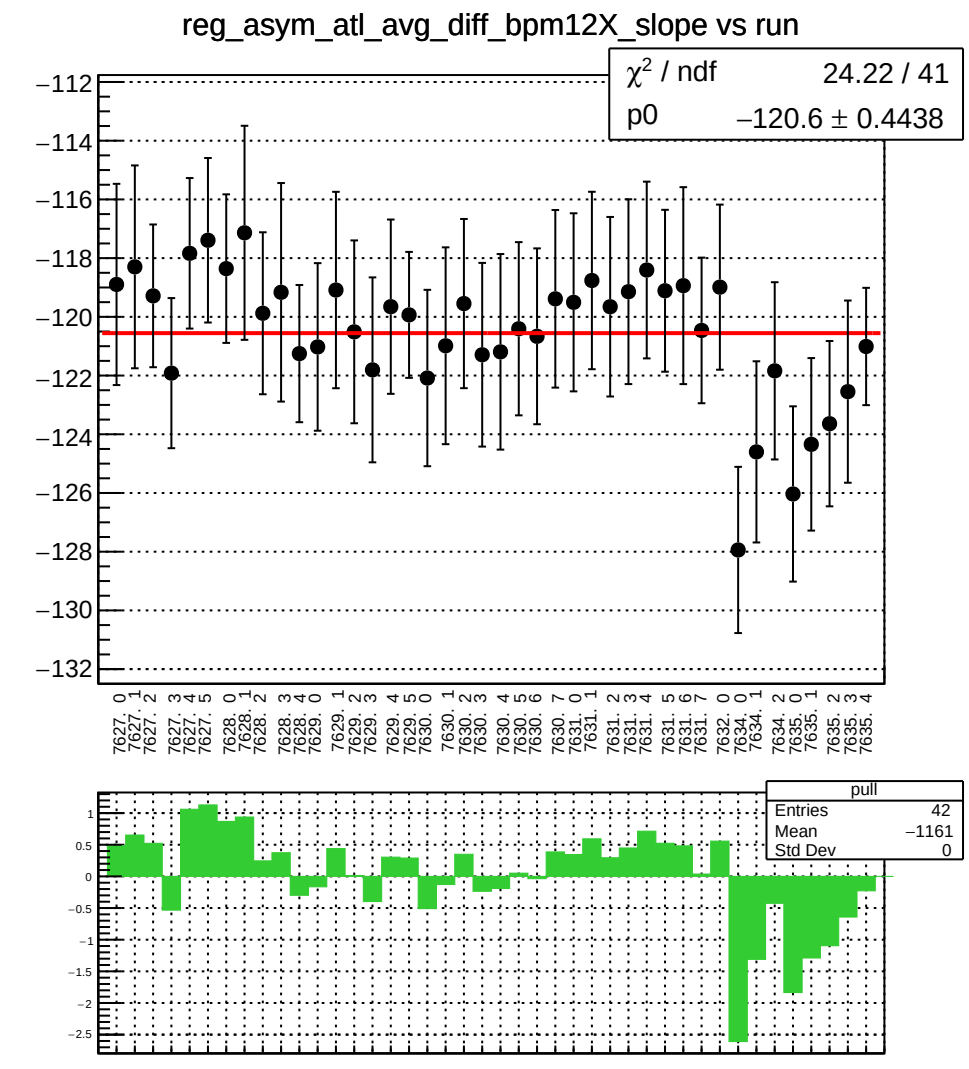

pull1D
Entries 42
Mean 0.02065
Std Dev 0.3072

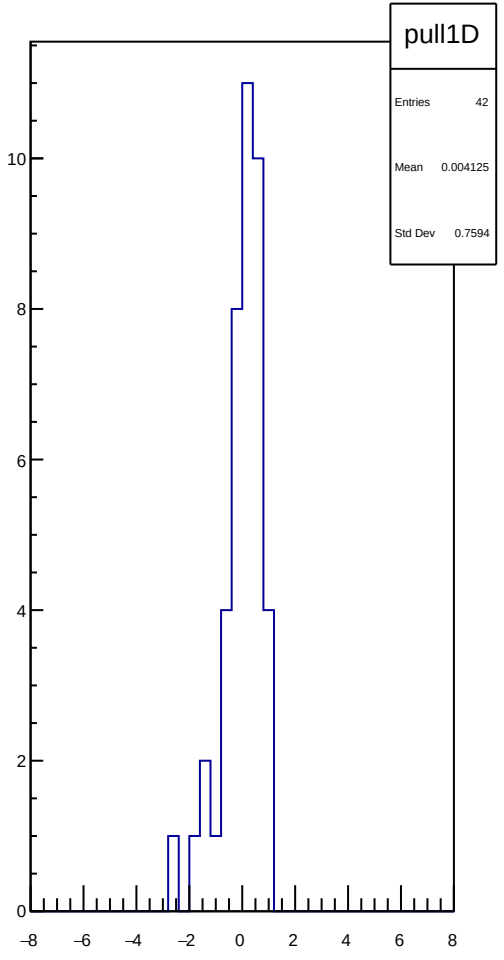

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.148 / 41
p0 222 ± 2.73
260
250
240
230
220
210
200
190
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −79.91
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

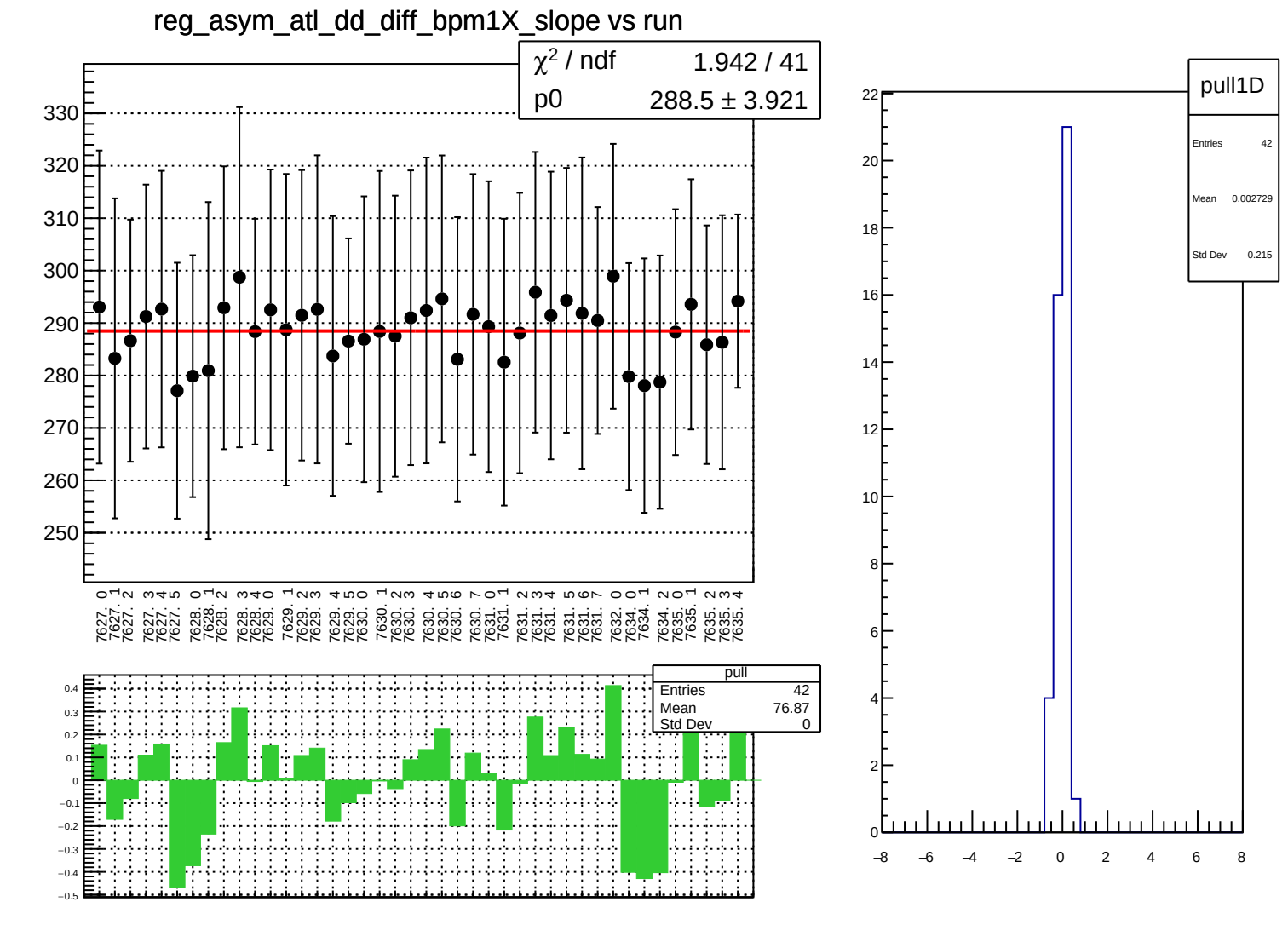

pull1D
Entries 42
Mean −0.01906
Std Dev 0.3496
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

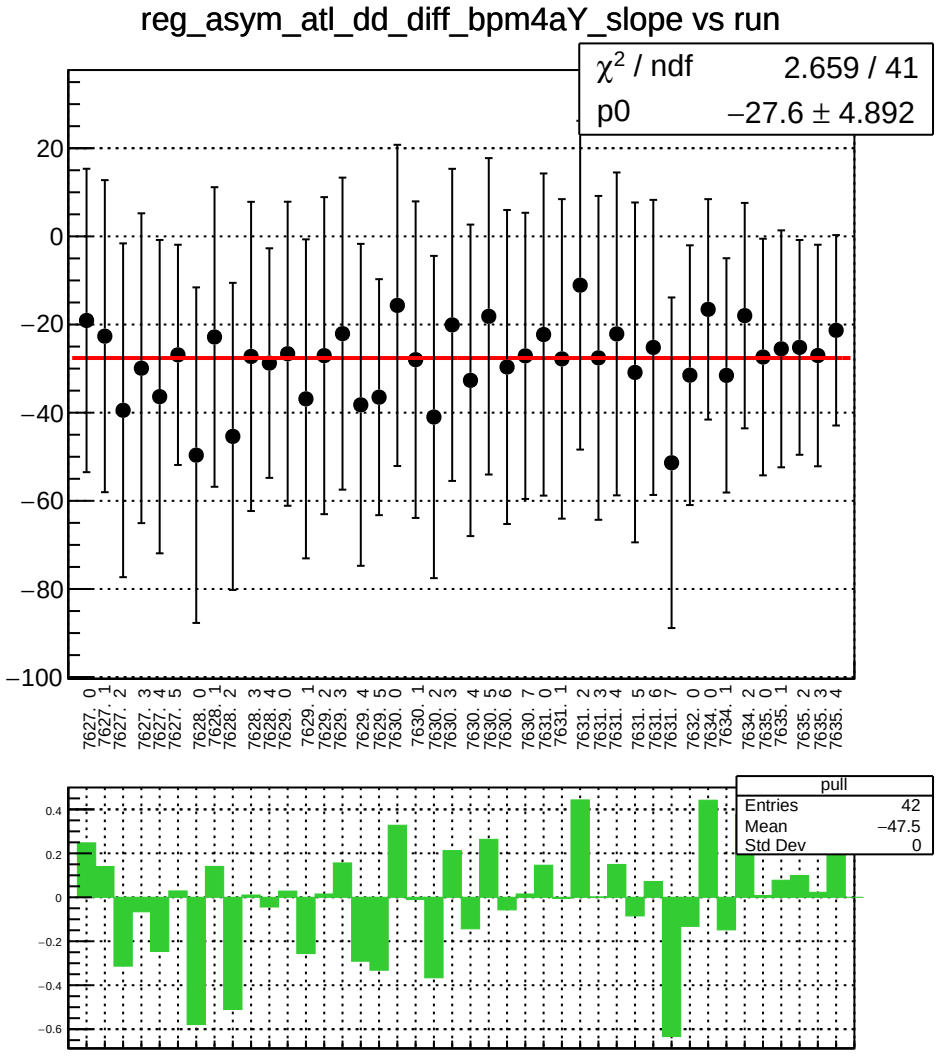

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.769 / 41
p0 26.04 ± 6.243
pull
Entries 42
Mean −74.88
Std Dev 0

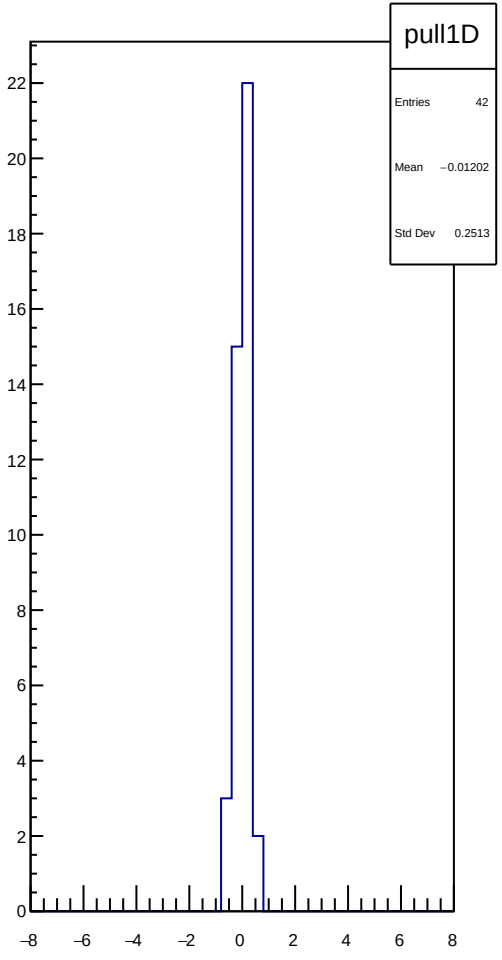

pull1D
Entries 42
Mean −0.01966
Std Dev 0.2989

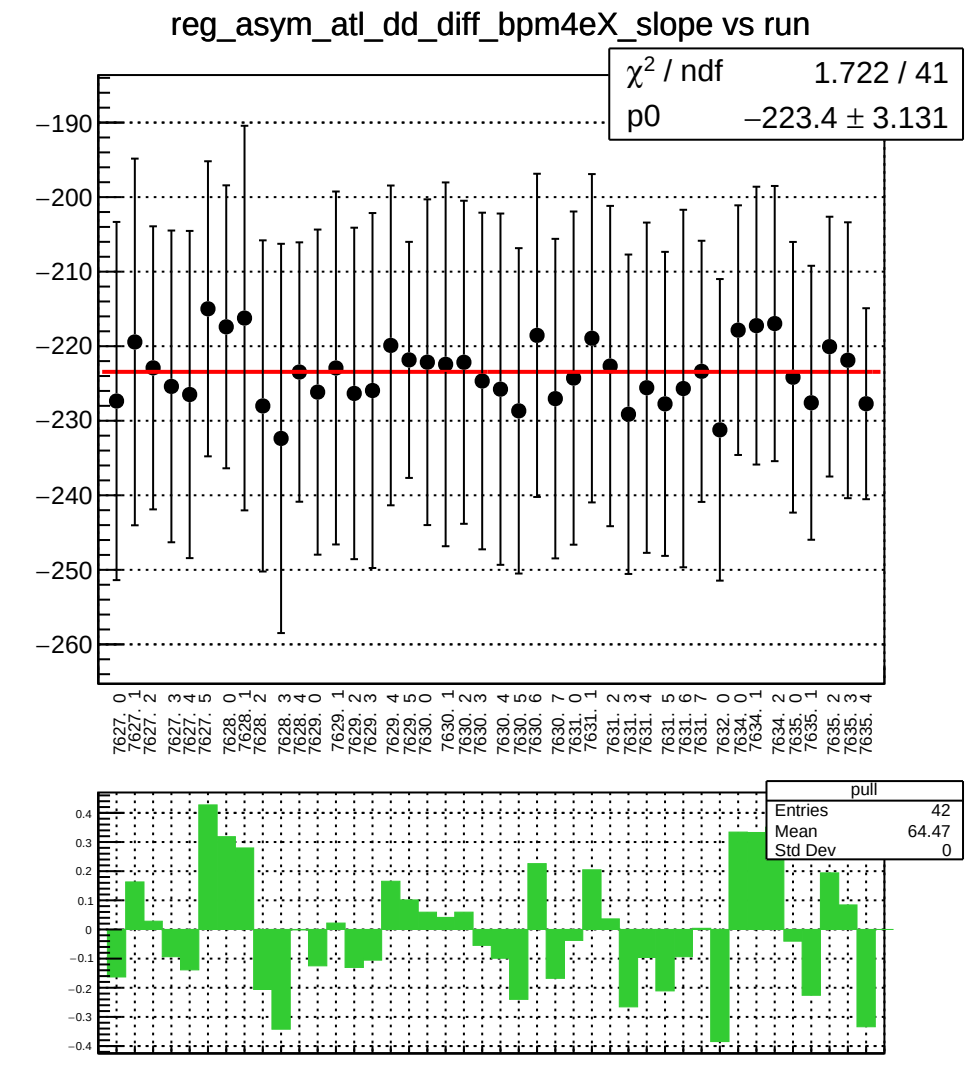

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 24.22 / 41
p0 −120.6 ± 0.4438
pull
Entries 42
Mean −1161
Std Dev 0

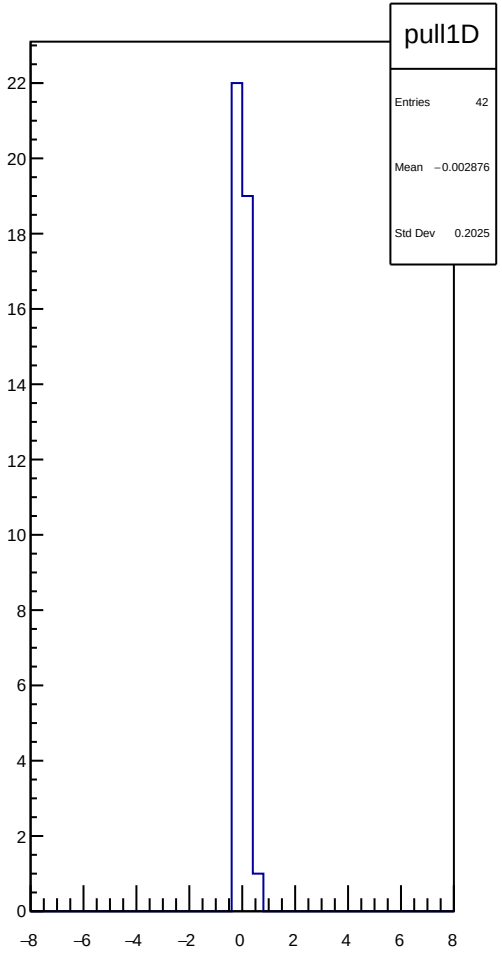

pull1D
Entries 42
Mean 0.004125
Std Dev 0.7594

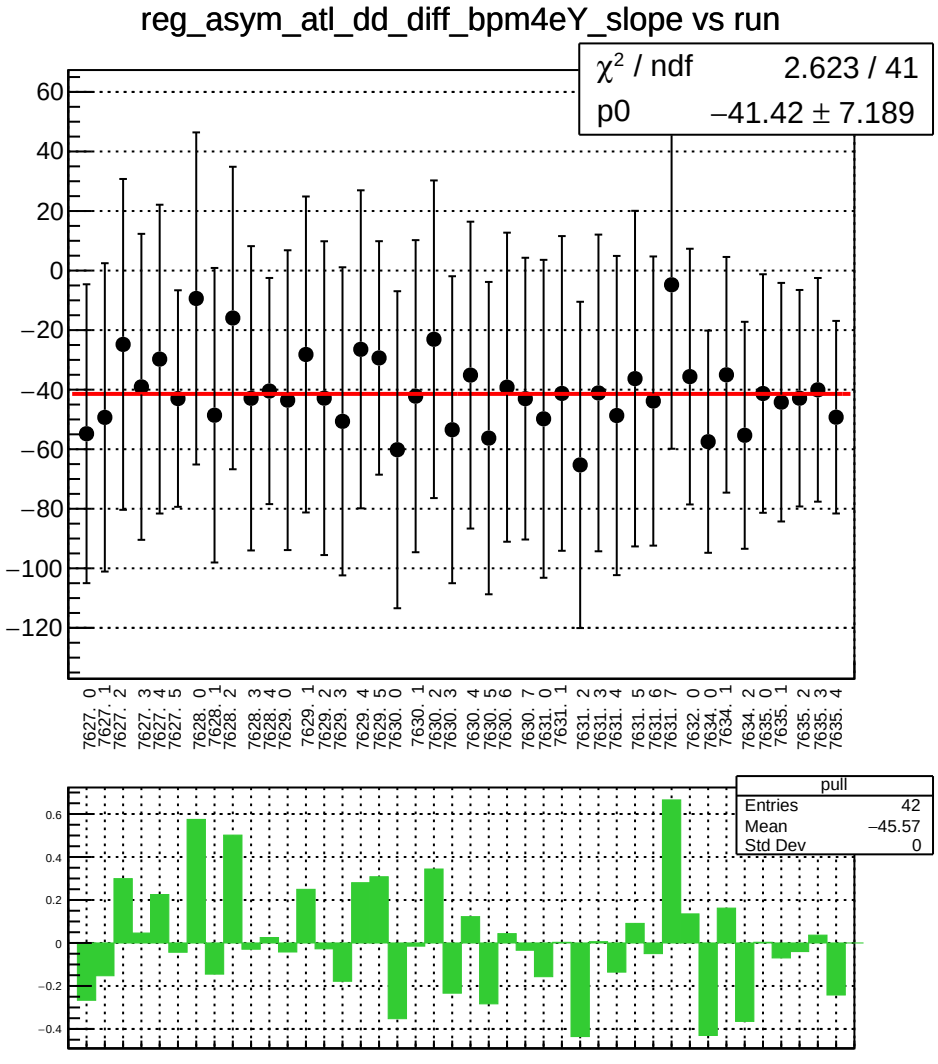

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 1.942 / 41
p0 288.5 ± 3.921
330
320
310
300
290
280
270
260
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 76.87
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 42
Mean 0.002729
Std Dev 0.215
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

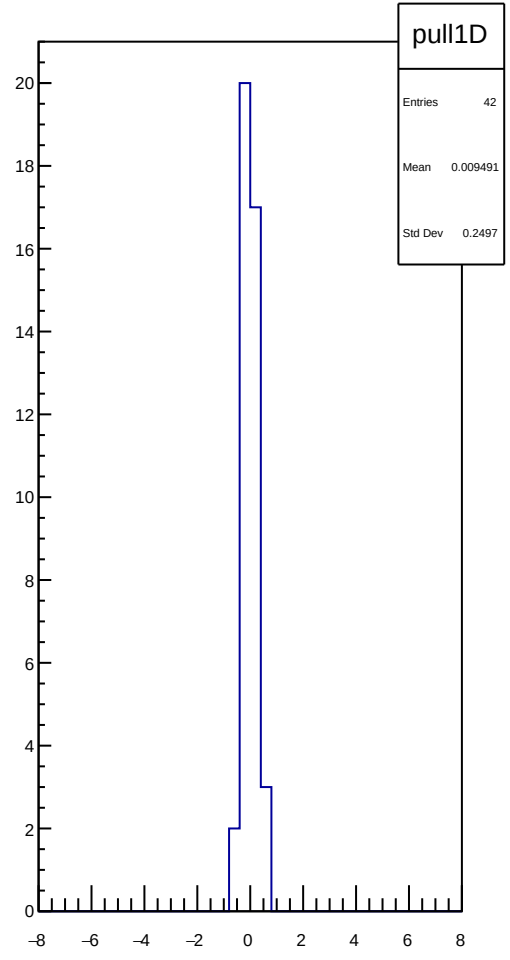

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.659 / 41
p0 −27.6 ± 4.892
pull
Entries 42
Mean −47.5
Std Dev 0

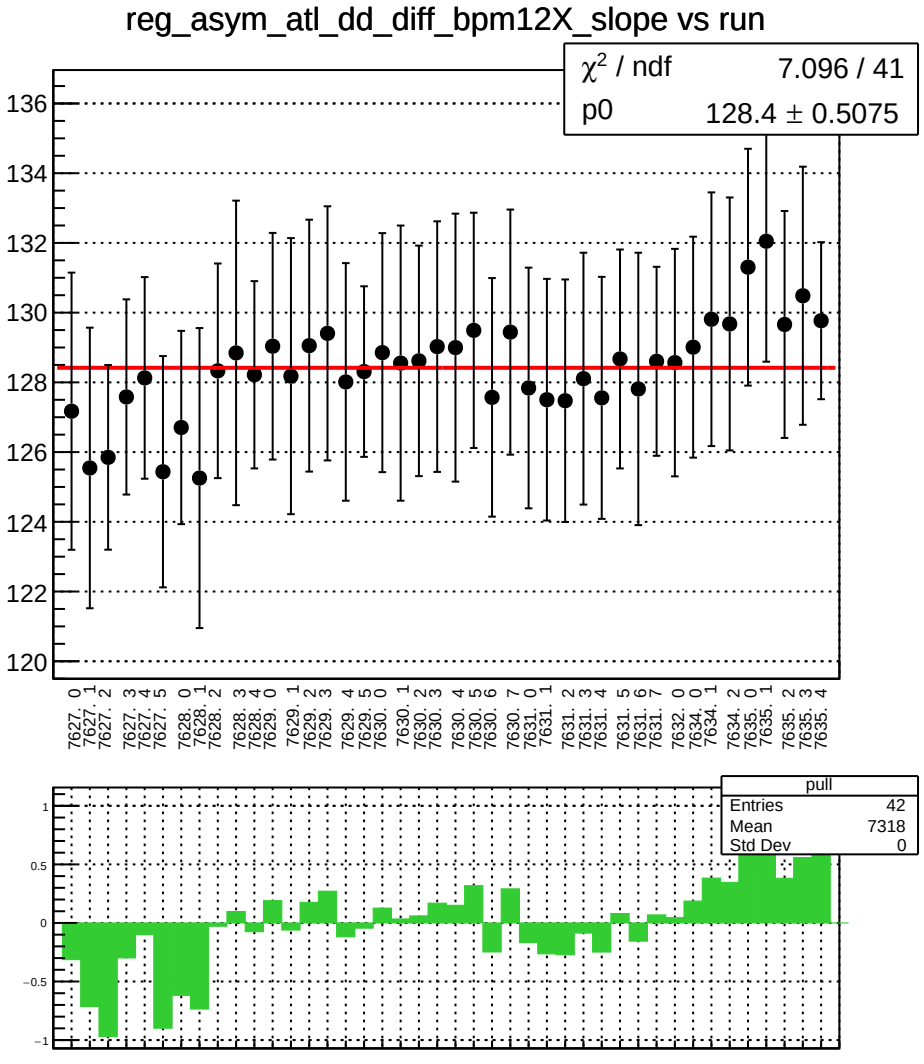

pull1D
Entries 42
Mean −0.01202
Std Dev 0.2513

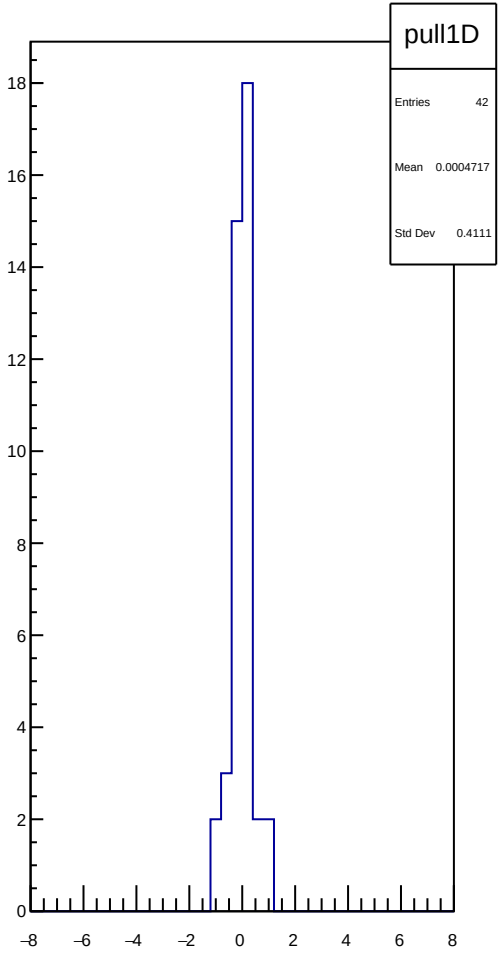

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.722 / 41
p0 −223.4 ± 3.131
−190
−200
−210
−220
−230
−240
−250
−260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 64.47
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

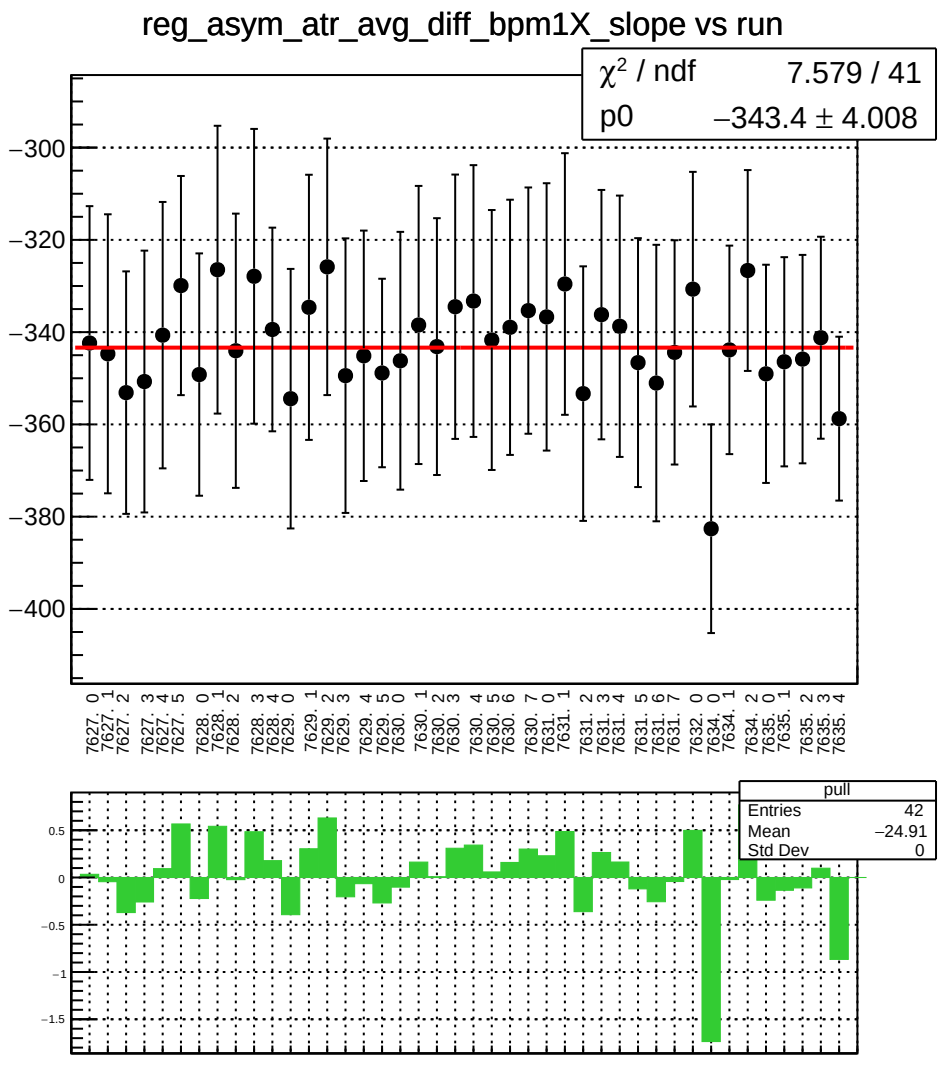

pull1D
Entries 42
Mean −0.002876
Std Dev 0.2025
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

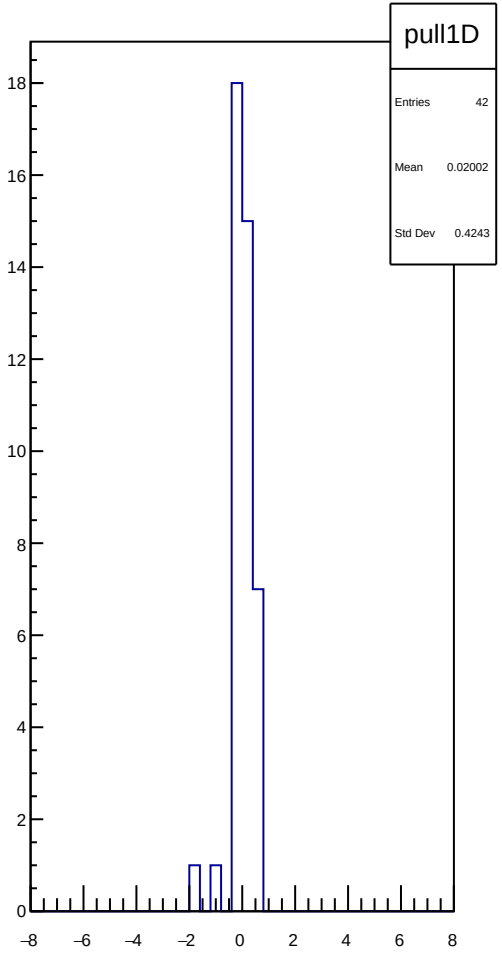

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.623 / 41
p0 −41.42 ± 7.189
pull
Entries 42
Mean −45.57
Std Dev 0

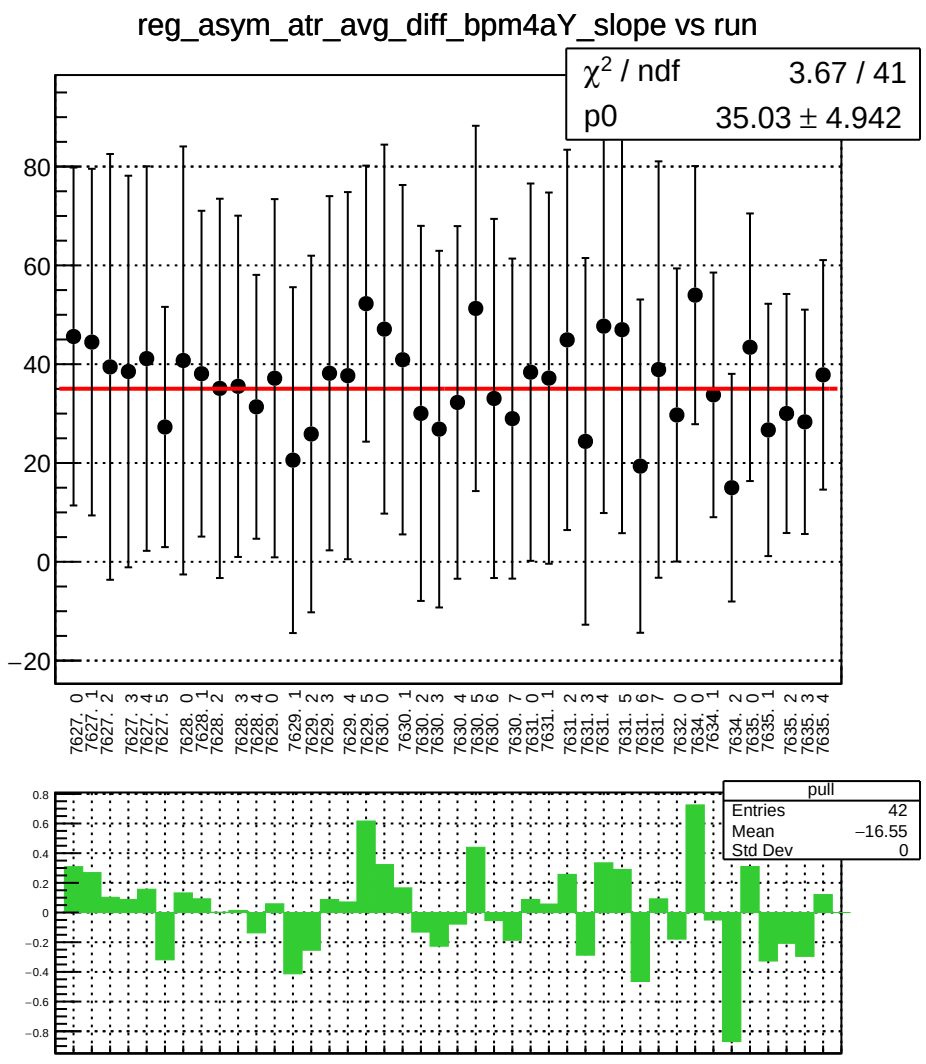

pull1D
Entries 42
Mean 0.009491
Std Dev 0.2497

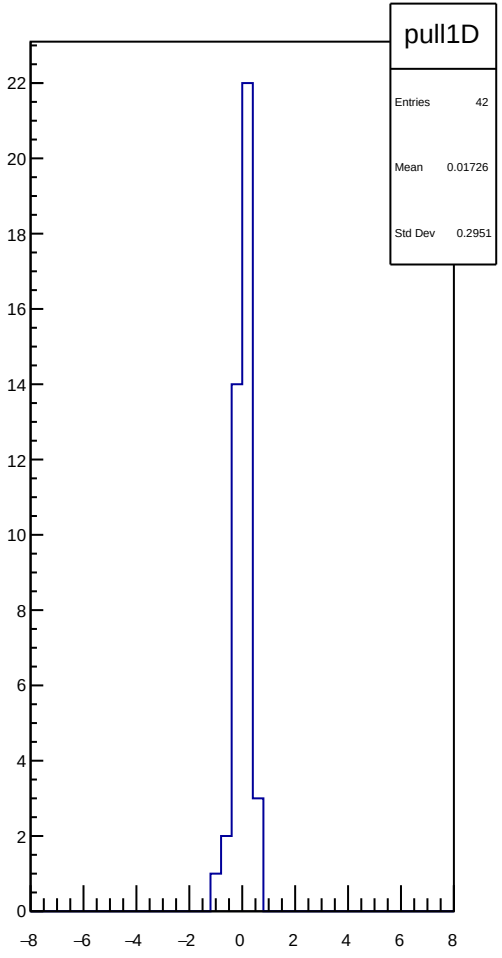

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 7.096 / 41
p0 128.4 ± 0.5075
pull
Entries 42
Mean 7318
Std Dev 0

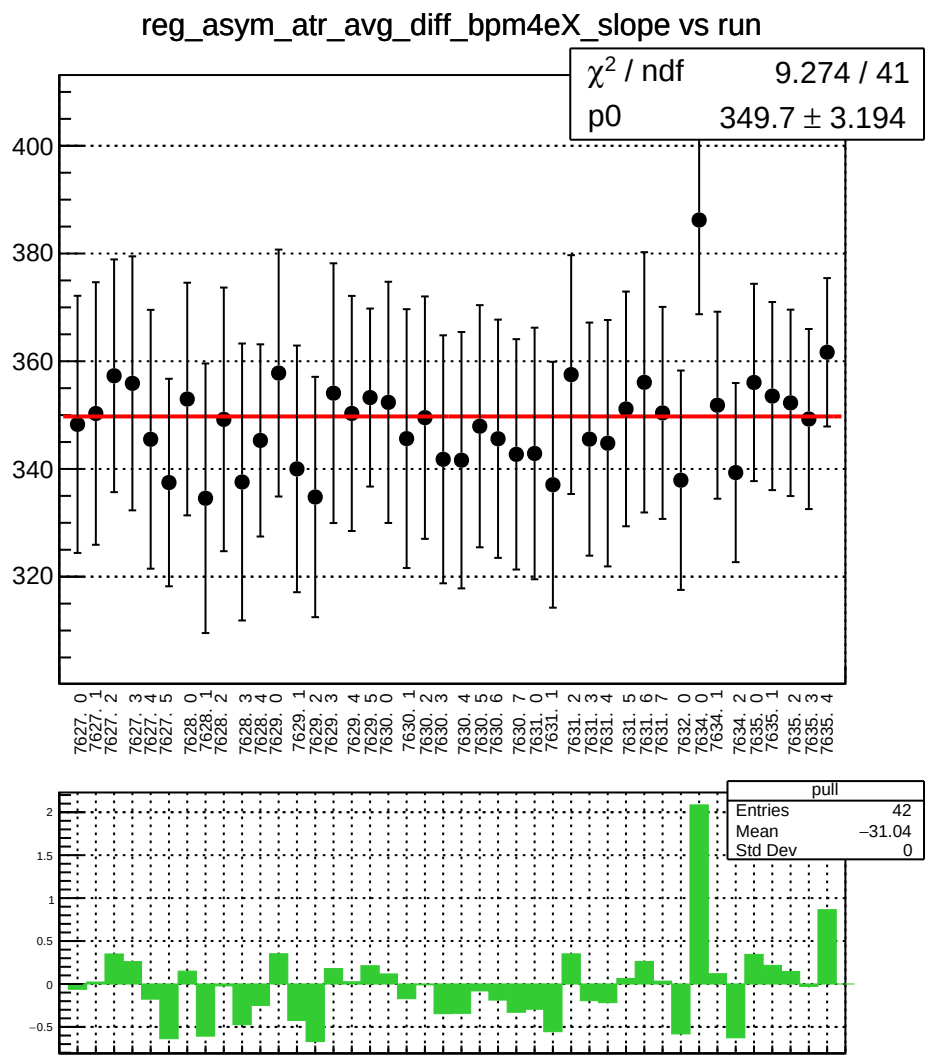

pull1D
Entries 42
Mean 0.0004717
Std Dev 0.4111

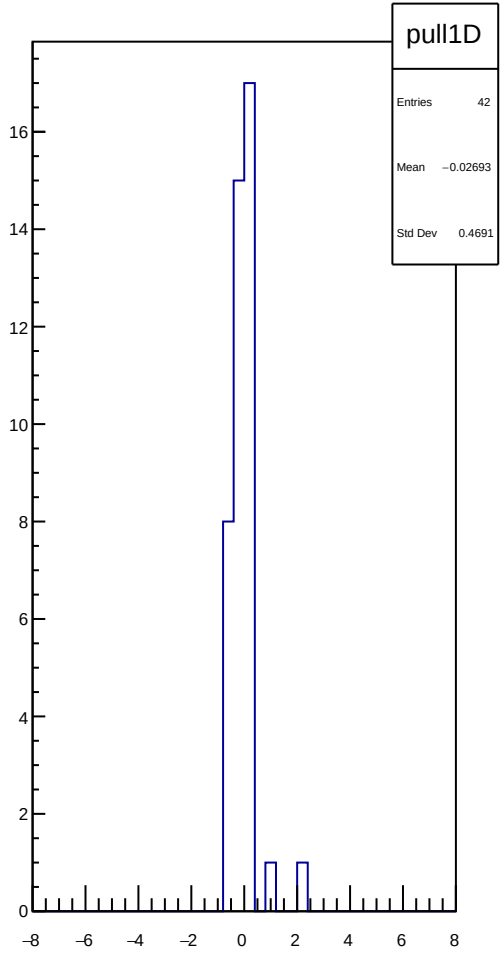

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 7.579 / 41
p0 −343.4 ± 4.008
−300
−320
−340
−360
−380
−400
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −24.91
Std Dev 0
0.5
0
−0.5
−1
−1.5

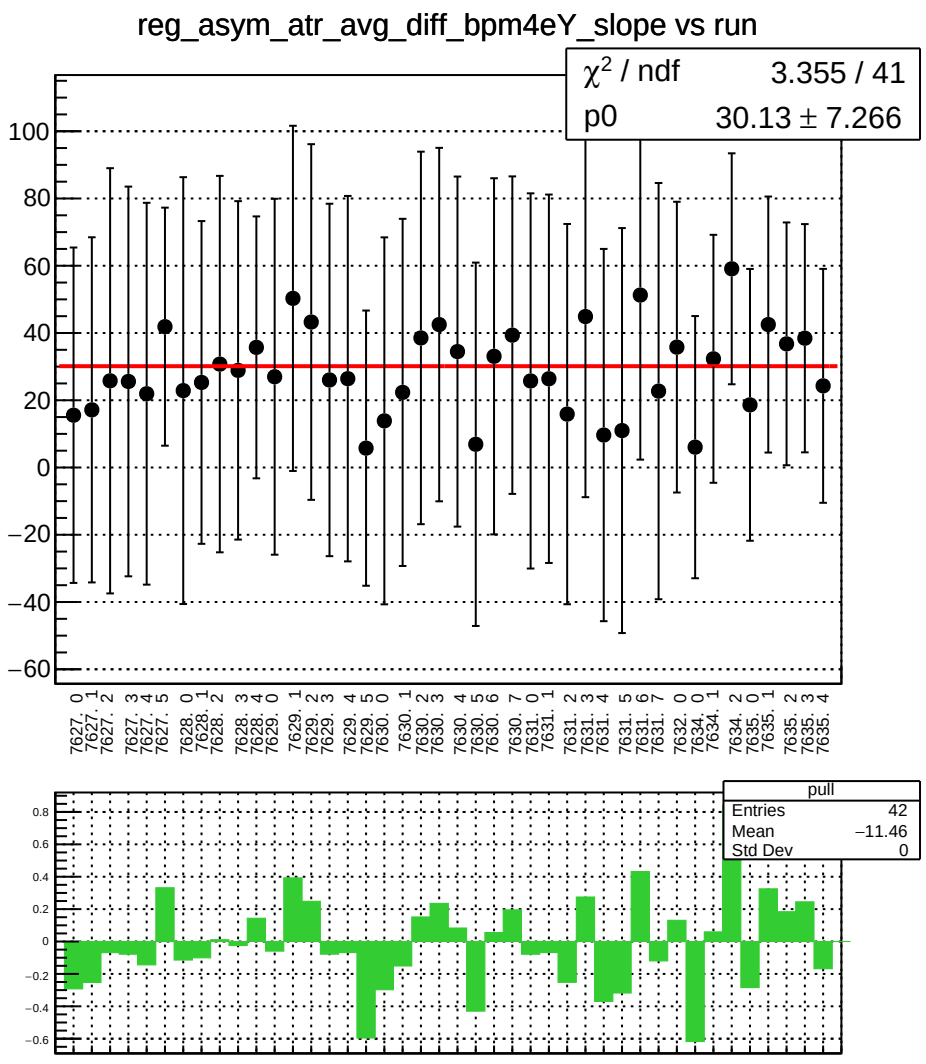

pull1D
Entries 42
Mean 0.02002
Std Dev 0.4243
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

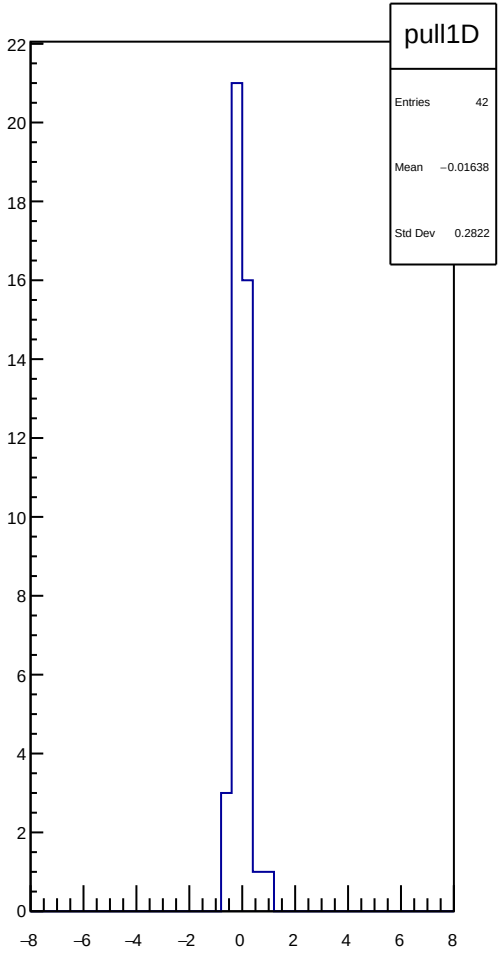

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.67 / 41
p0 35.03 ± 4.942
pull
Entries 42
Mean −16.55
Std Dev 0

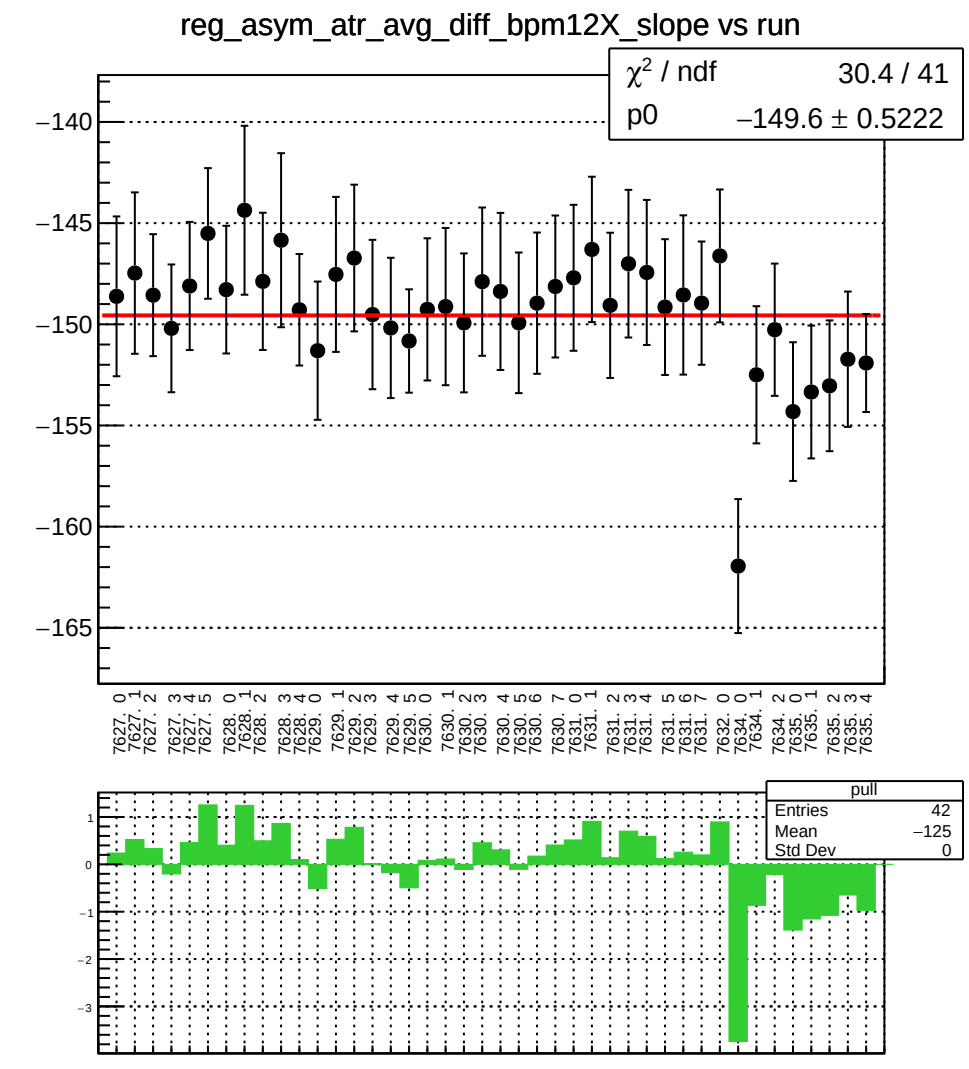

pull1D
Entries 42
Mean 0.01726
Std Dev 0.2951

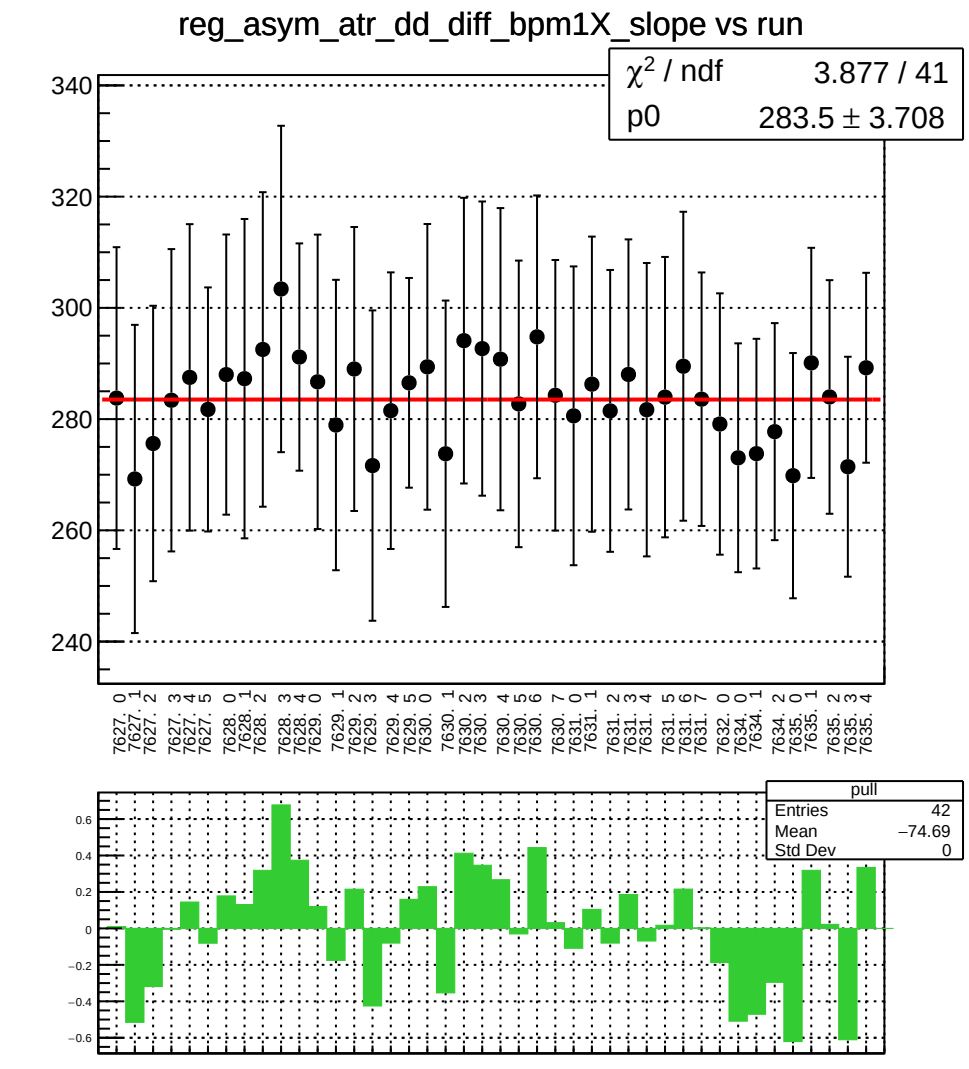

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.274 / 41
p0 349.7 ± 3.194
400
380
360
340
320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.04
Std Dev 0
2
1.5
1
0.5
0
−0.5

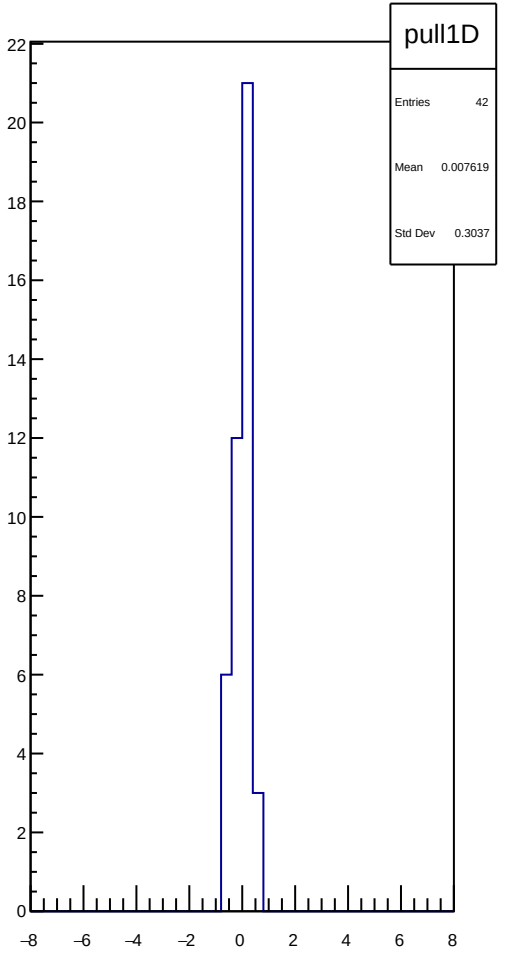

pull1D
Entries 42
Mean −0.02693
Std Dev 0.4691
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

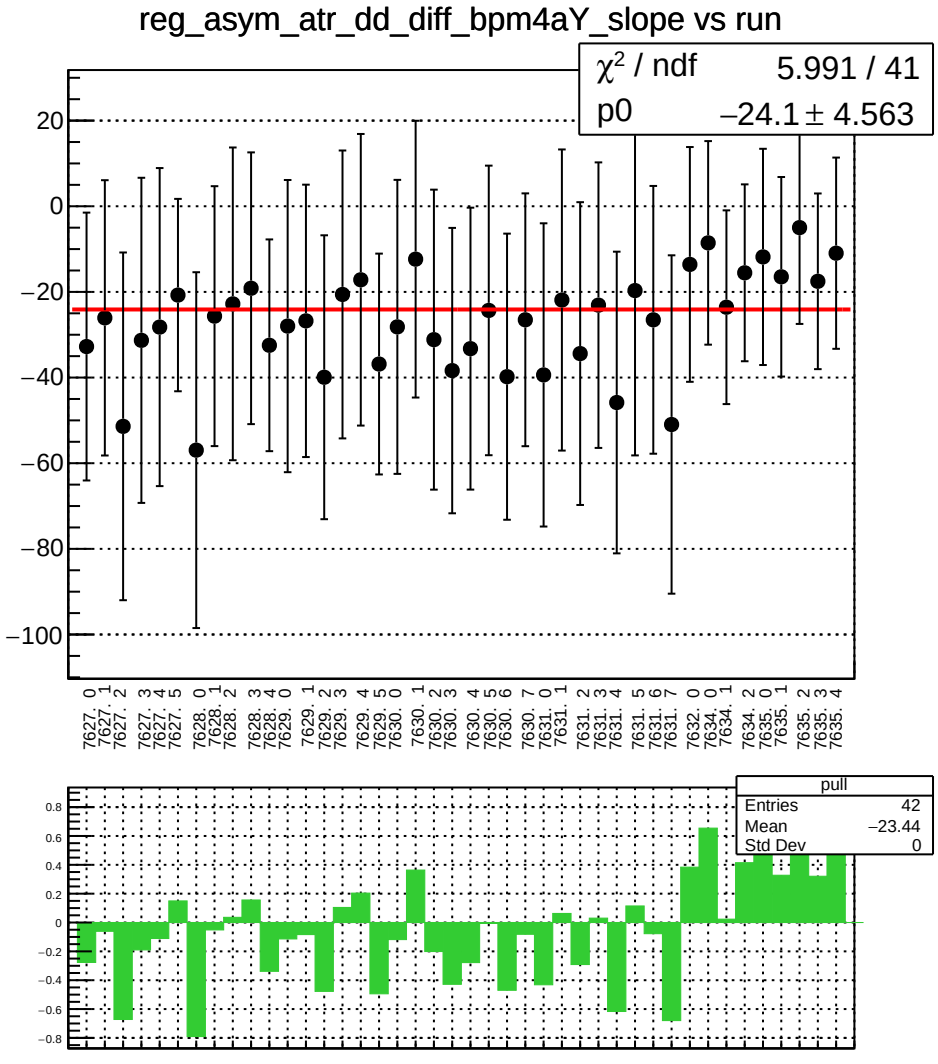

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.355 / 41
p0 30.13 ± 7.266
pull
Entries 42
Mean −11.46
Std Dev 0

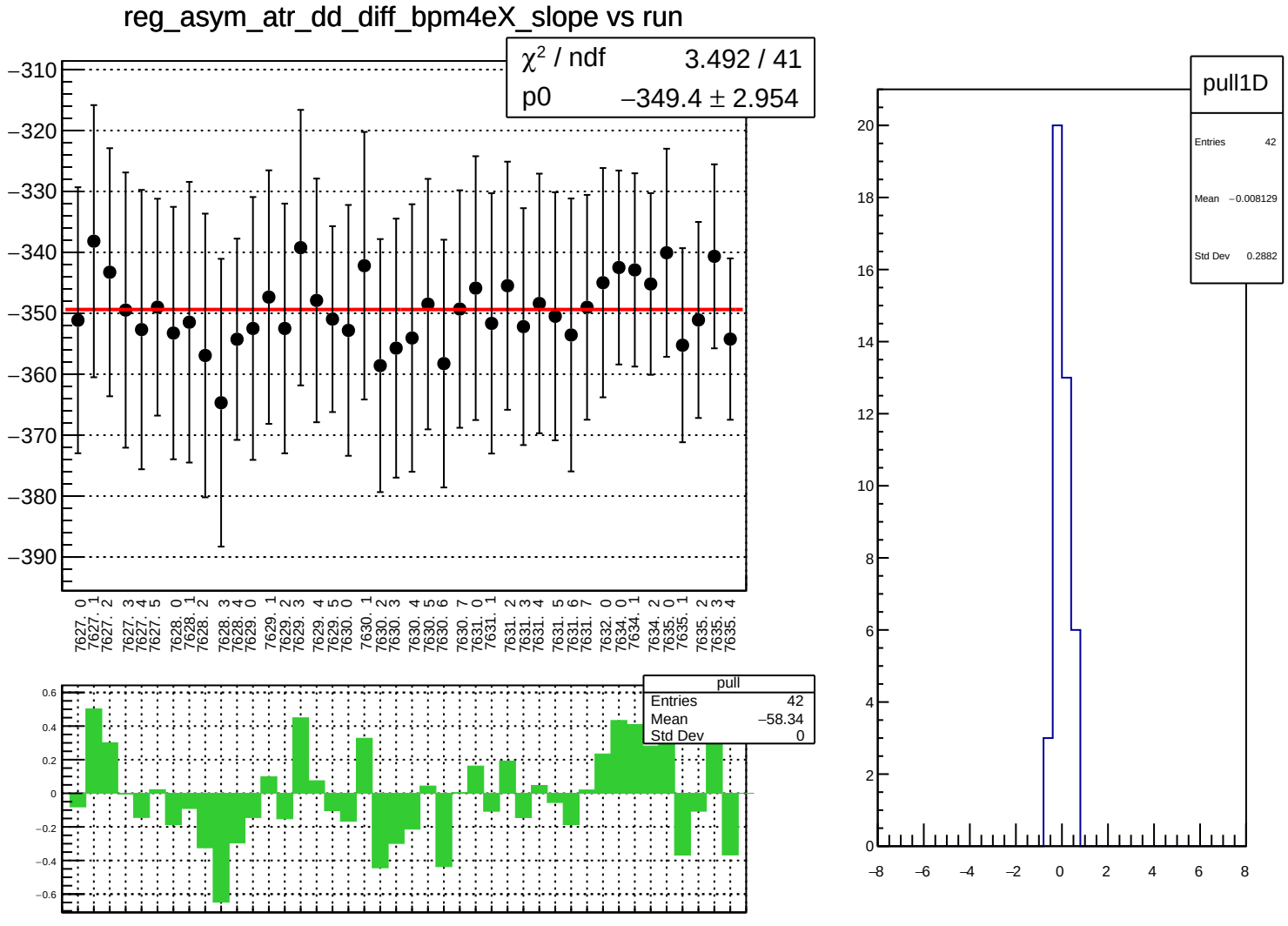

pull1D
Entries 42
Mean −0.01638
Std Dev 0.2822

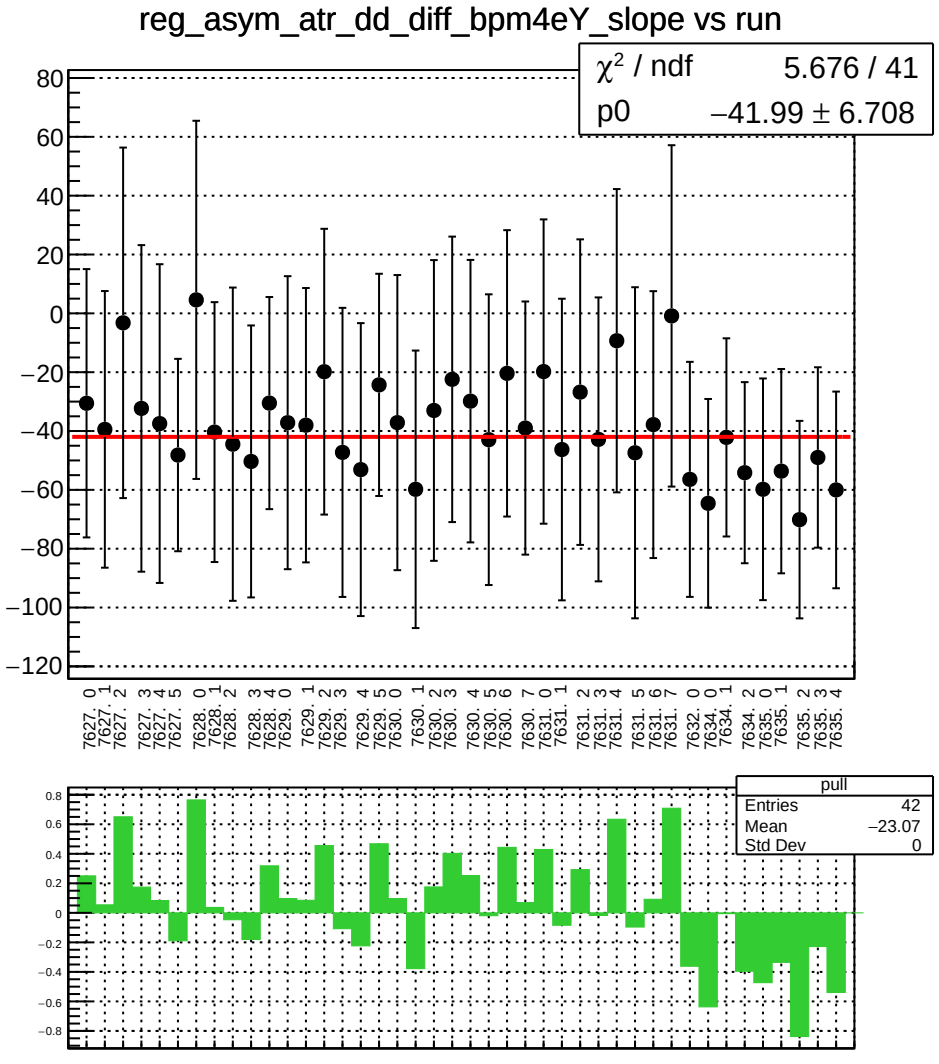

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 30.4 / 41
p0 −149.6 ± 0.5222
−140
−145
−150
−155
−160
−165
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −125
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.03456
Std Dev 0.8501
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

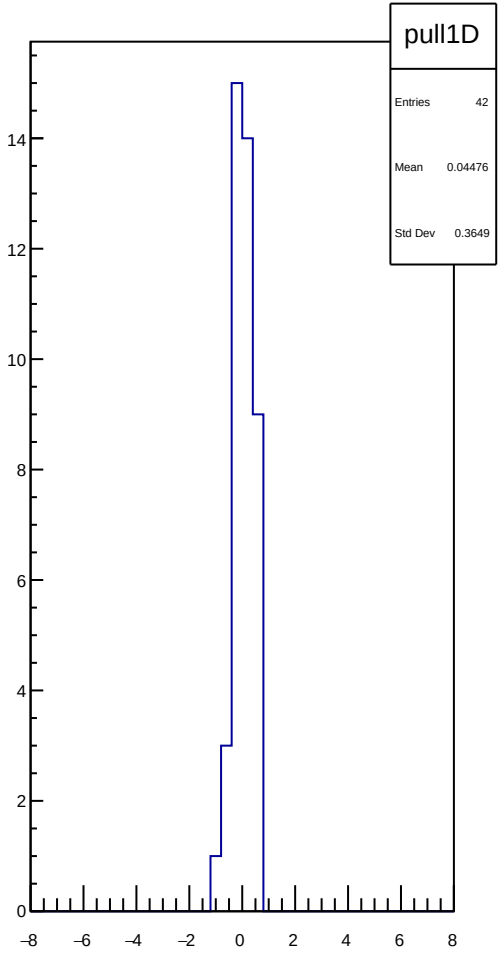

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 3.877 / 41
p0 283.5 ± 3.708
340
320
300
280
260
240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −74.69
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

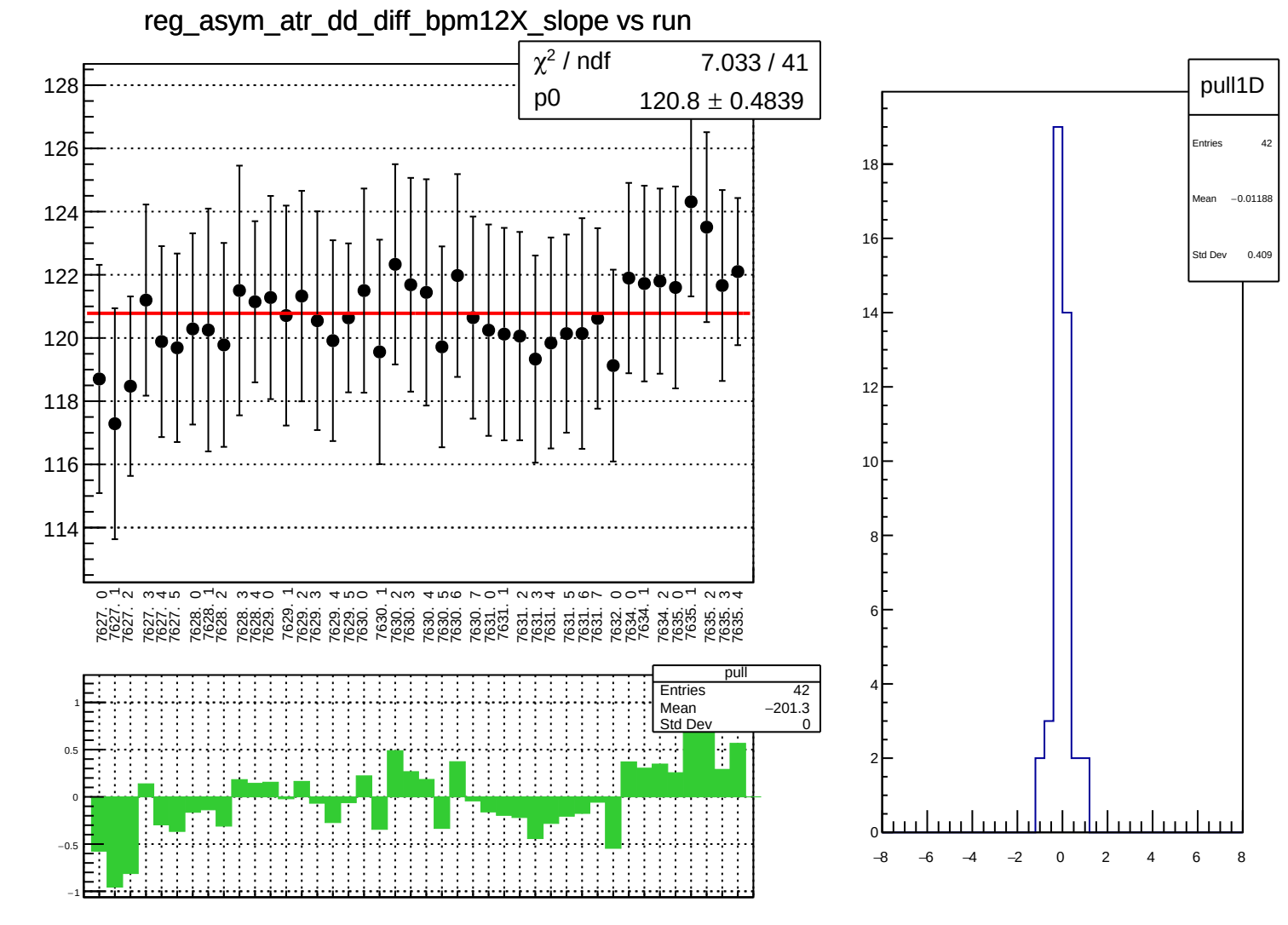

pull1D
Entries 42
Mean 0.007619
Std Dev 0.3037
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

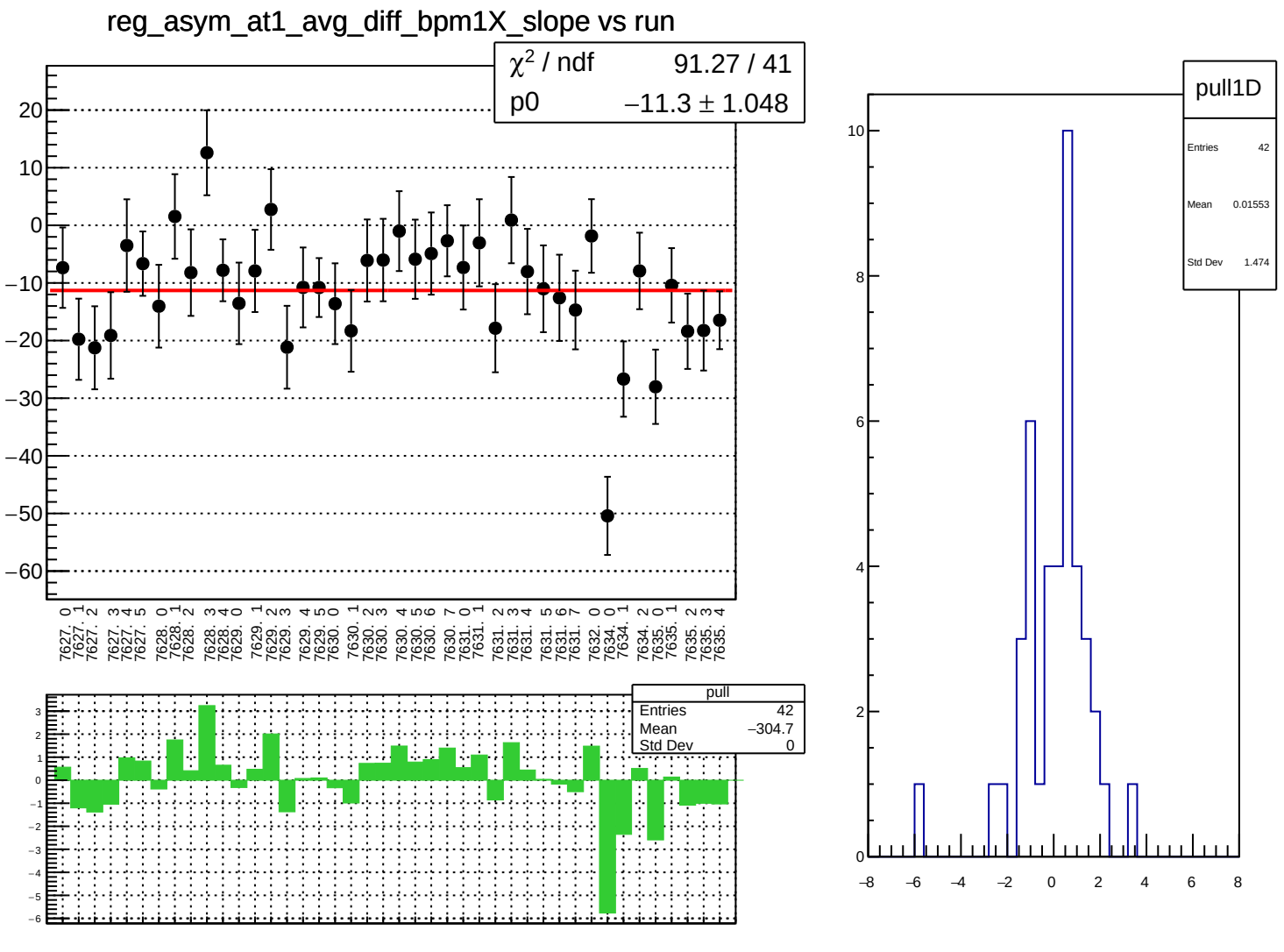

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.991 / 41
p0 −24.1 ± 4.563
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −23.44
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 42
Mean −0.04926
Std Dev 0.3745
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

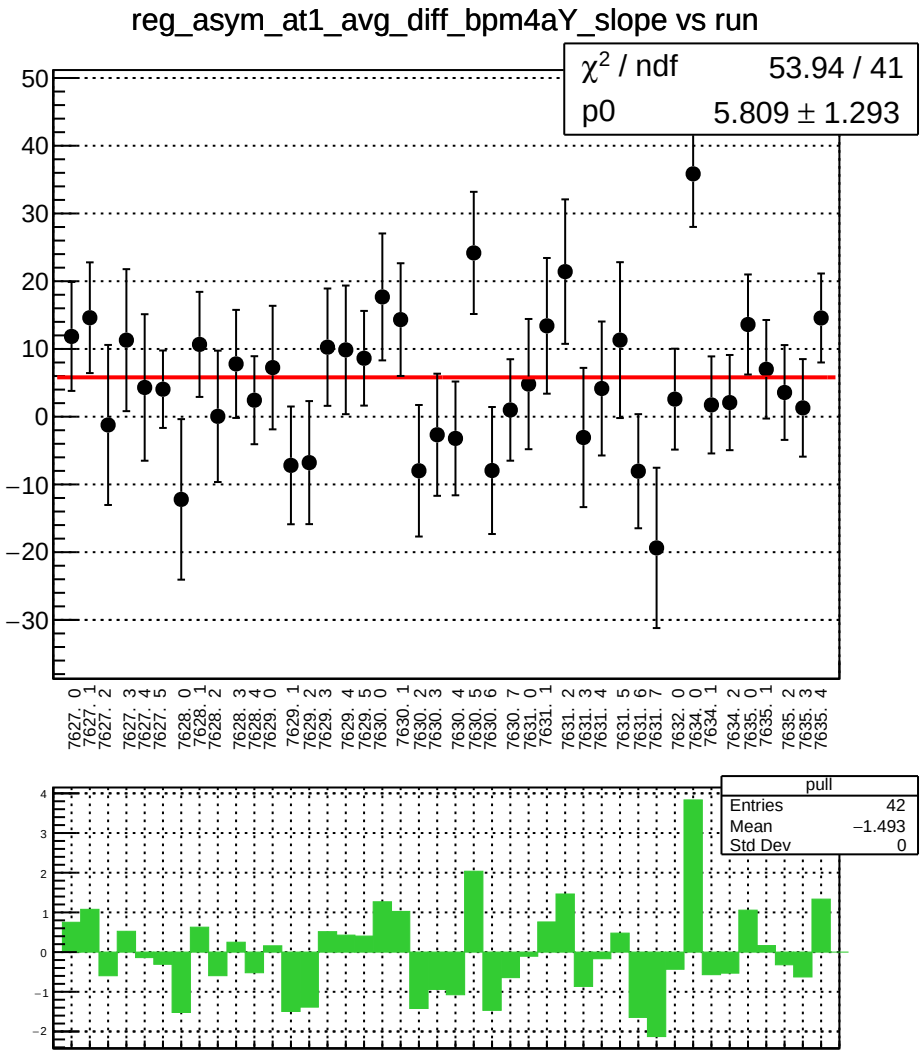

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.492 / 41
p0 −349.4 ± 2.954
pull
Entries 42
Mean −58.34
Std Dev 0
pull1D
Entries 42
Mean −0.008129
Std Dev 0.2882

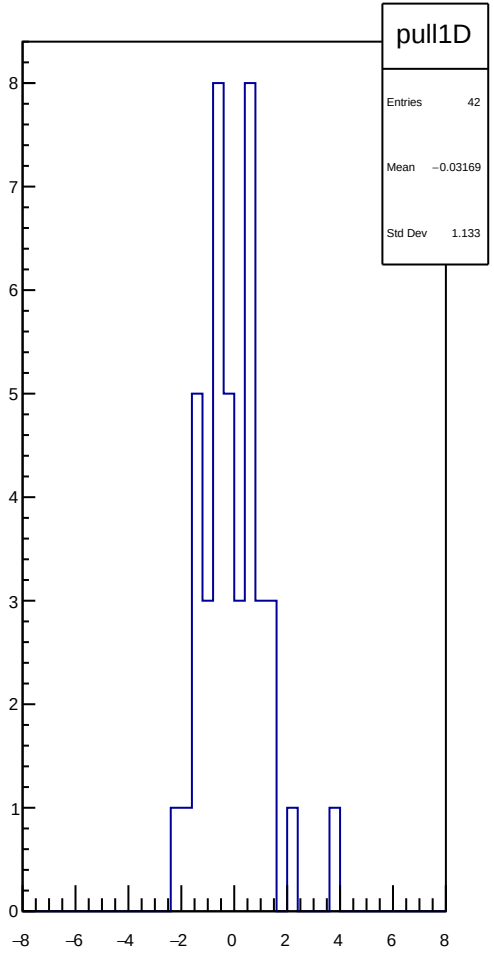

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.676 / 41
p0 −41.99 ± 6.708
pull
Entries 42
Mean −23.07
Std Dev 0

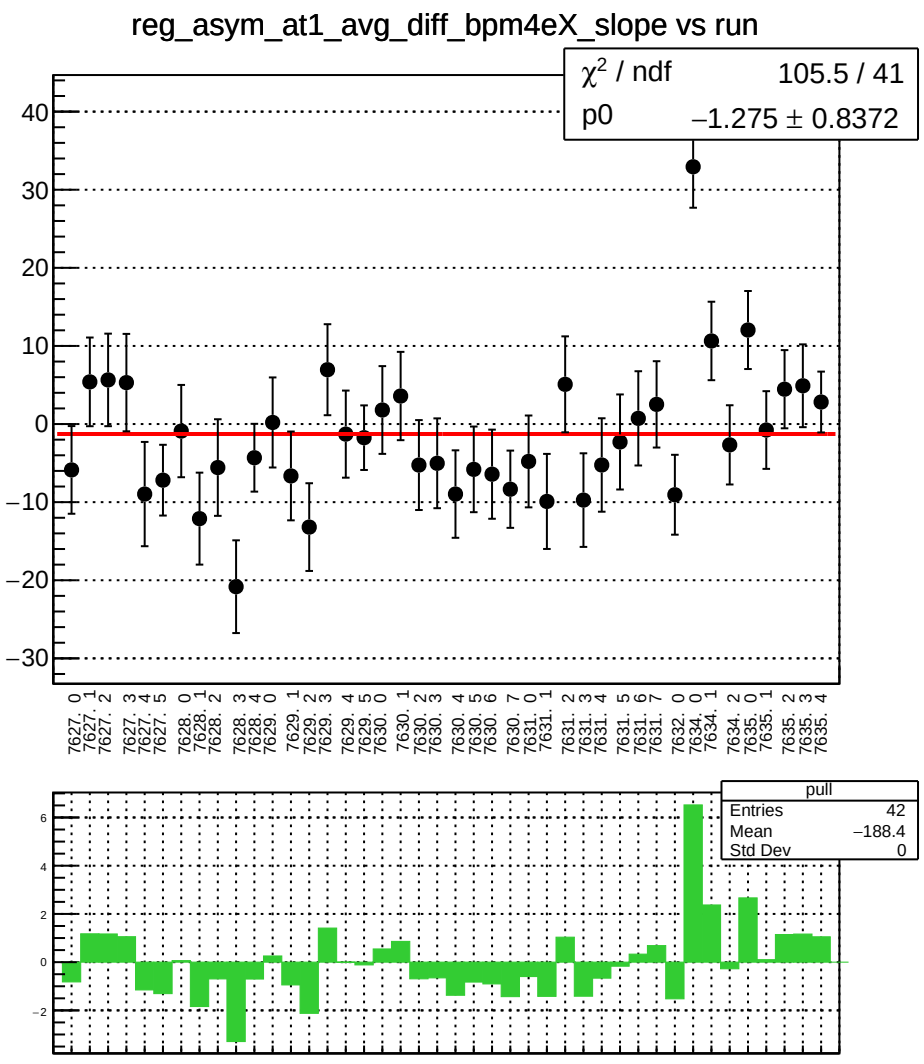

pull1D
Entries 42
Mean 0.04476
Std Dev 0.3649

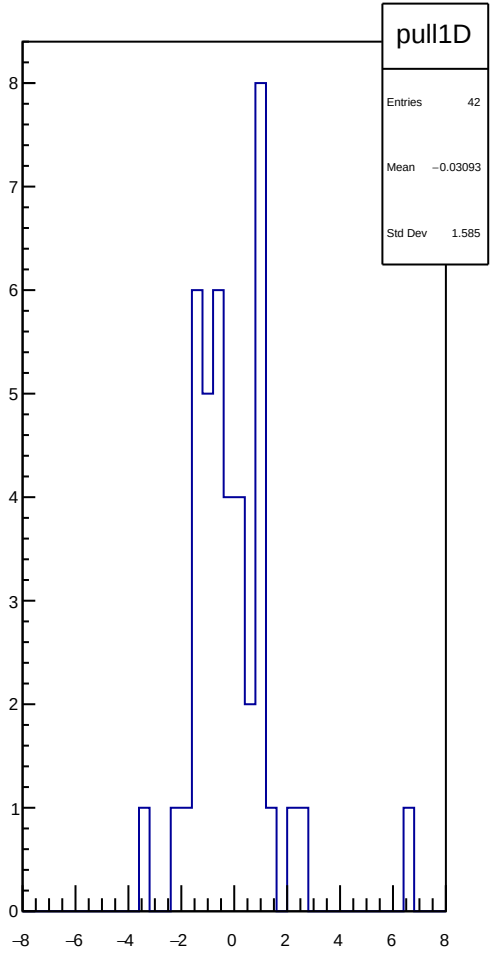

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 7.033 / 41
p0 120.8 ± 0.4839
pull
Entries 42
Mean −201.3
Std Dev 0
pull1D
Entries 42
Mean −0.01188
Std Dev 0.409

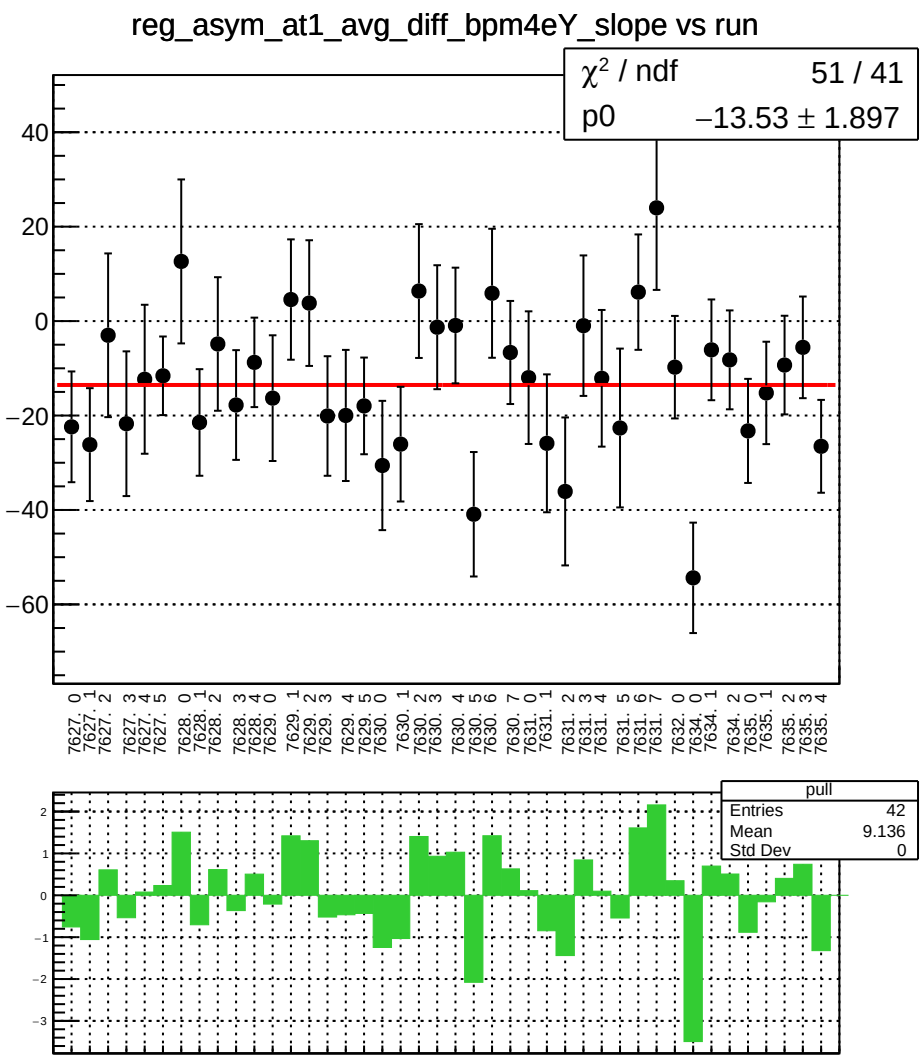

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 91.27 / 41
p0 −11.3 ± 1.048
pull
Entries 42
Mean −304.7
Std Dev 0
pull1D
Entries 42
Mean 0.01553
Std Dev 1.474

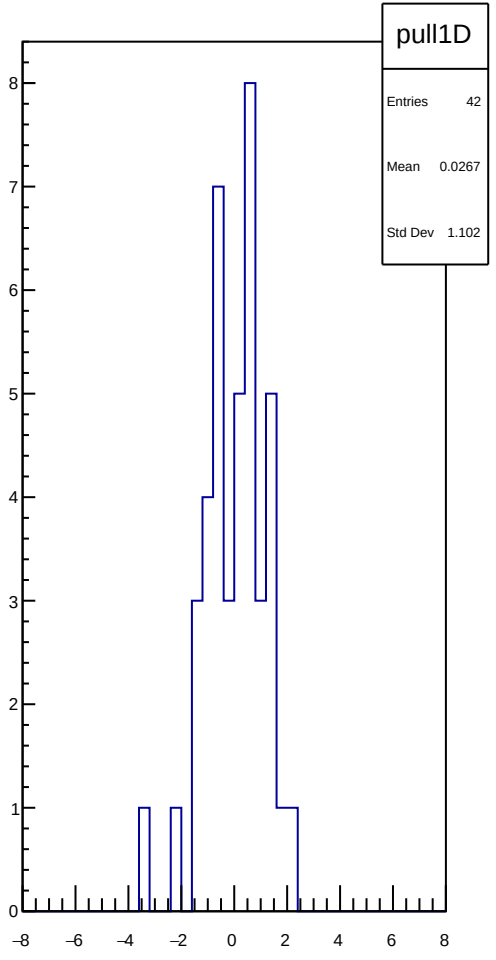

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 53.94 / 41
p0 5.809 ± 1.293
pull
Entries 42
Mean −1.493
Std Dev 0

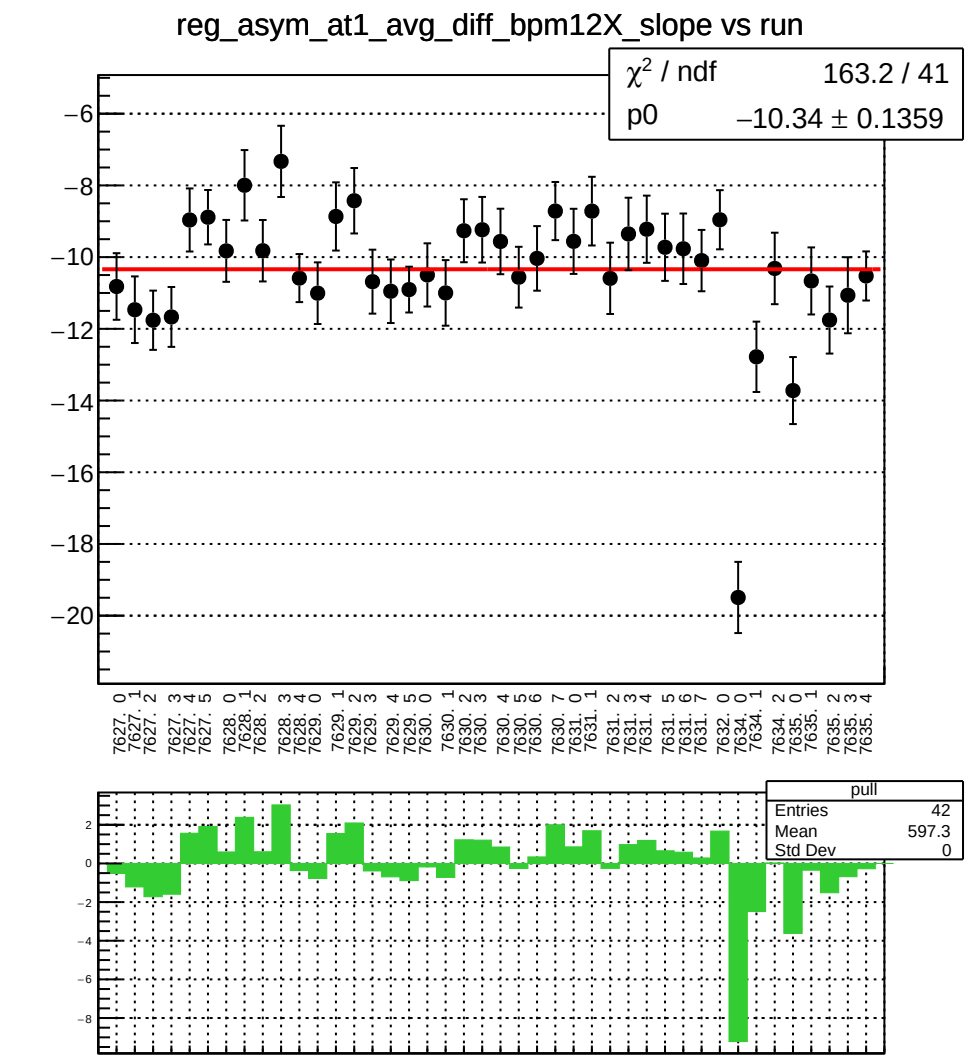

pull1D
Entries 42
Mean −0.03169
Std Dev 1.133

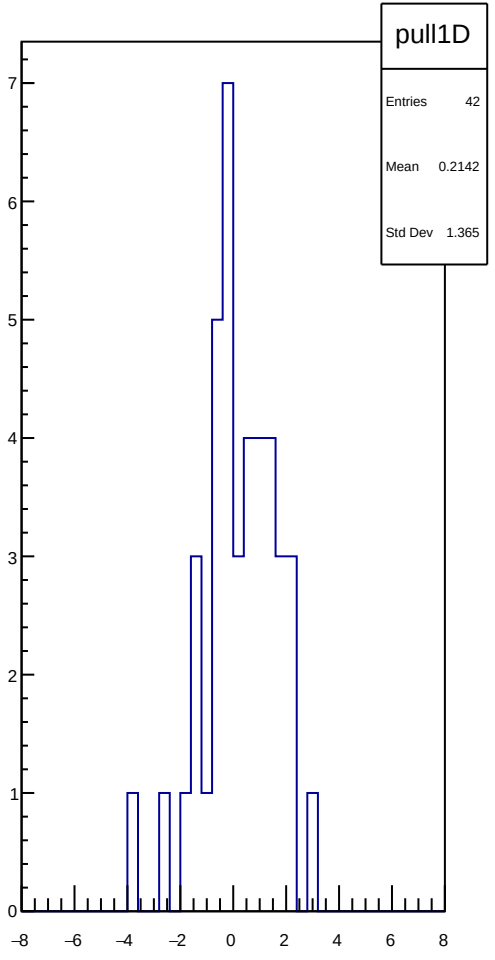

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 105.5 / 41
p0 −1.275 ± 0.8372
pull
Entries 42
Mean −188.4
Std Dev 0

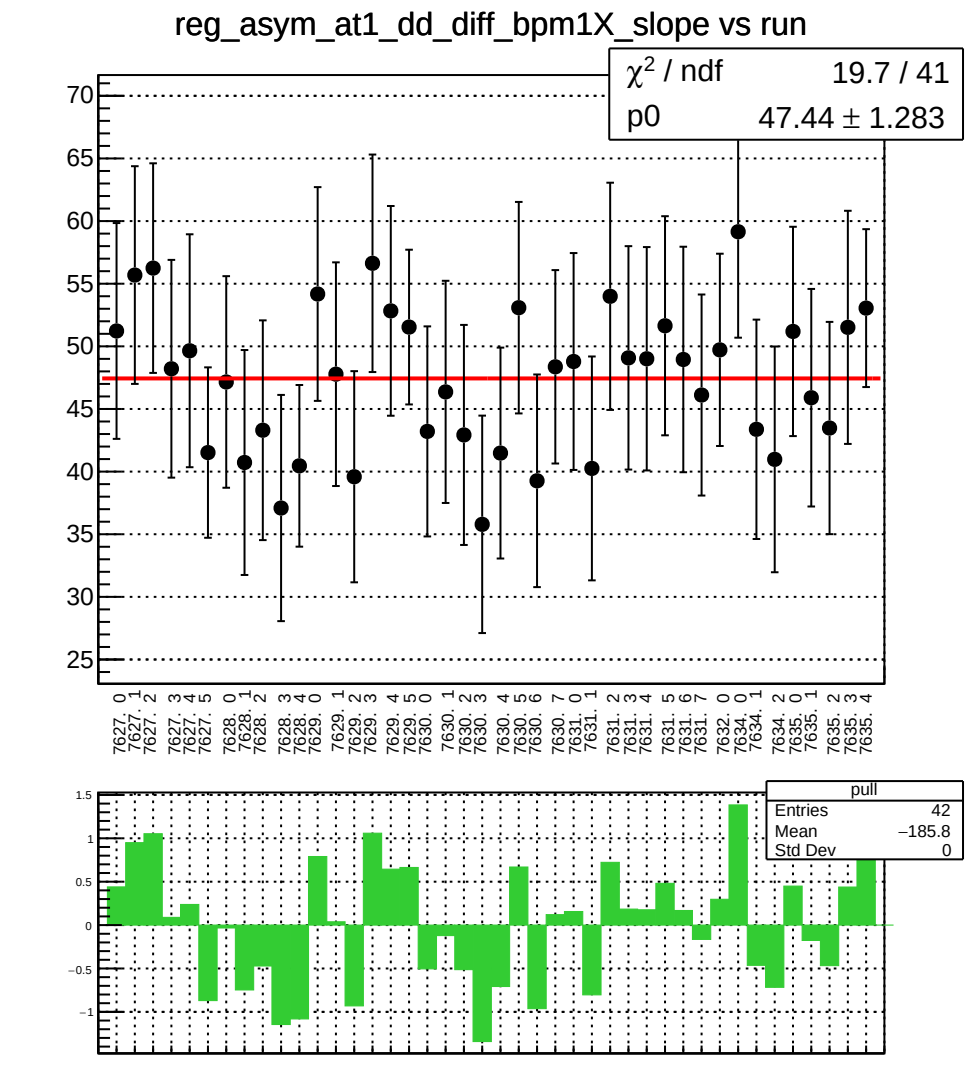

pull1D
Entries 42
Mean −0.03093
Std Dev 1.585

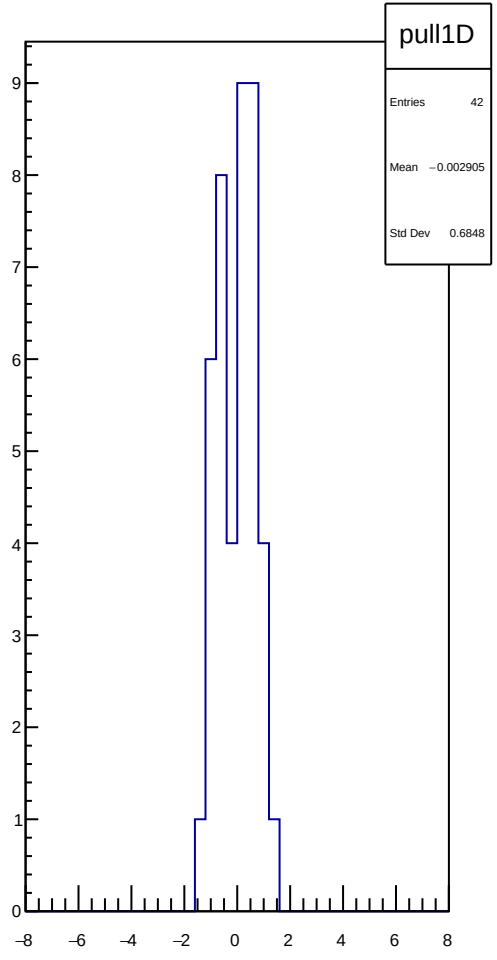

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 51 / 41
p0 −13.53 ± 1.897
pull
Entries 42
Mean 9.136
Std Dev 0

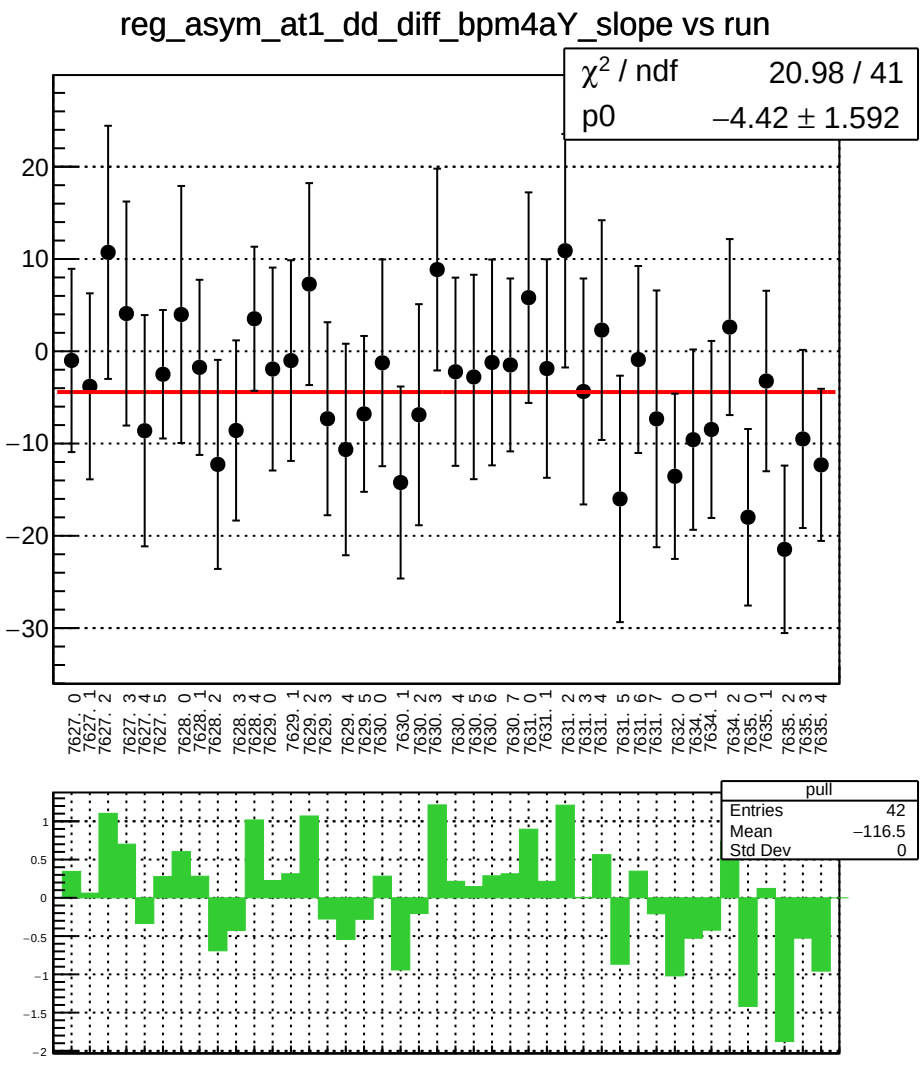

pull1D
Entries 42
Mean 0.0267
Std Dev 1.102

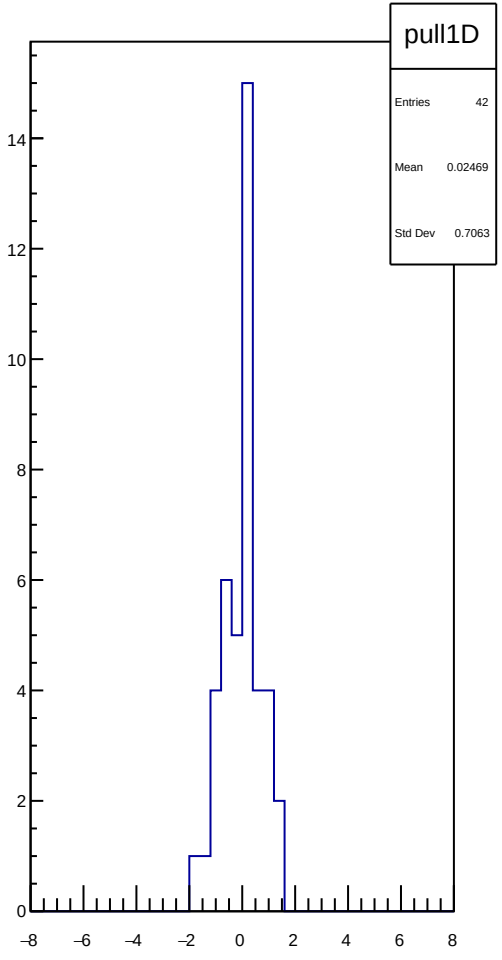

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 163.2 / 41
p0 −10.34 ± 0.1359
pull
Entries 42
Mean 597.3
Std Dev 0

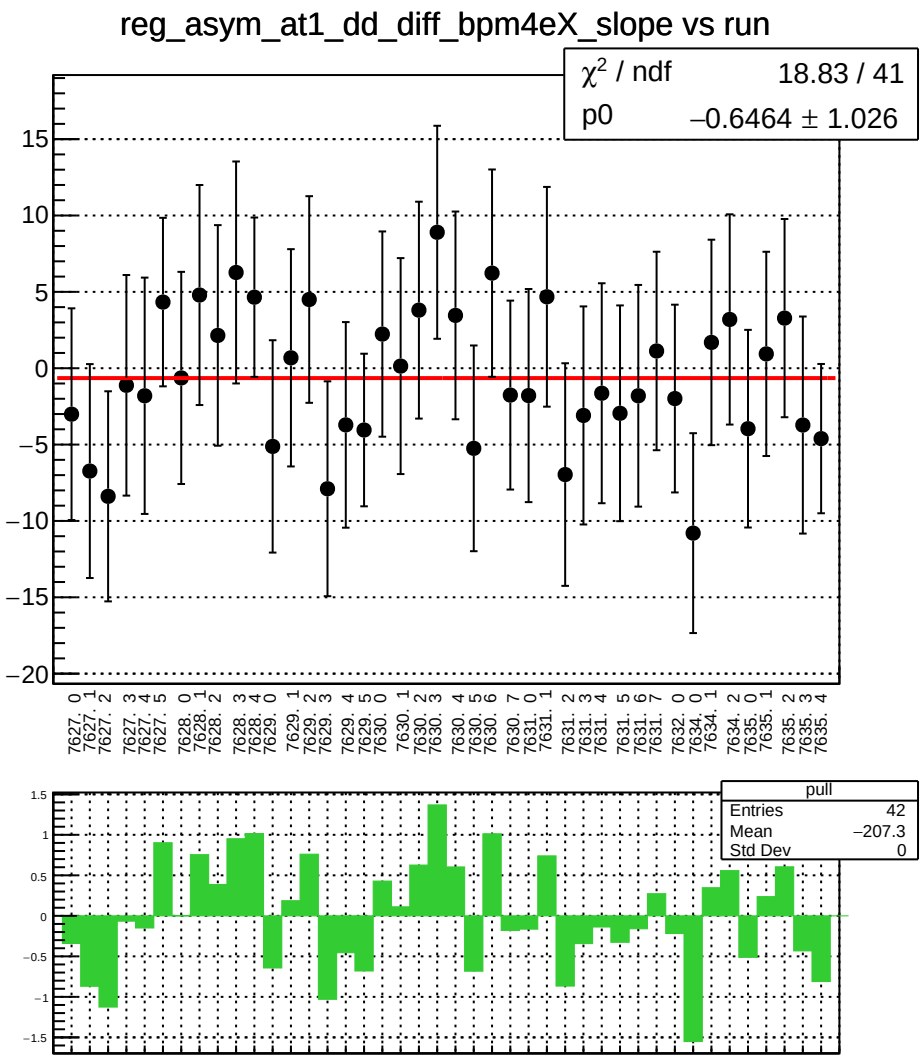

pull1D
Entries 42
Mean 0.2142
Std Dev 1.365

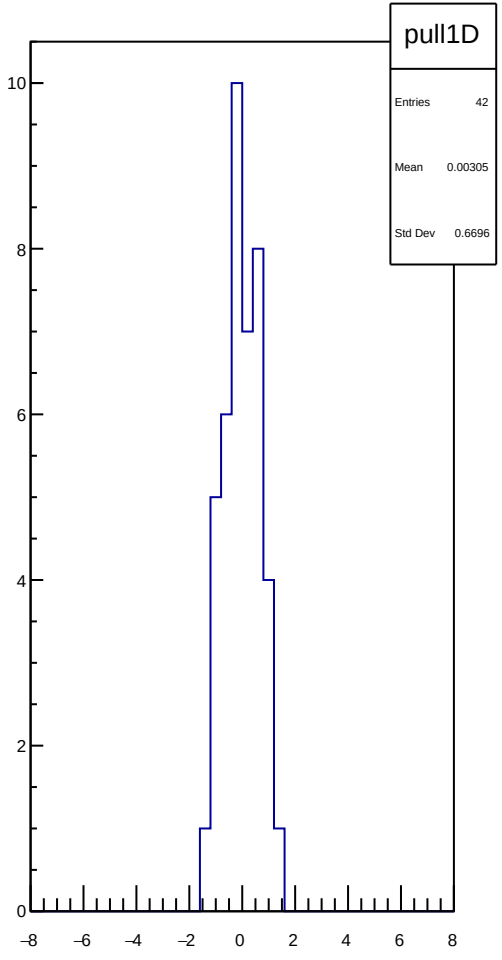

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 19.7 / 41
p0 47.44 ± 1.283
pull
Entries 42
Mean −185.8
Std Dev 0

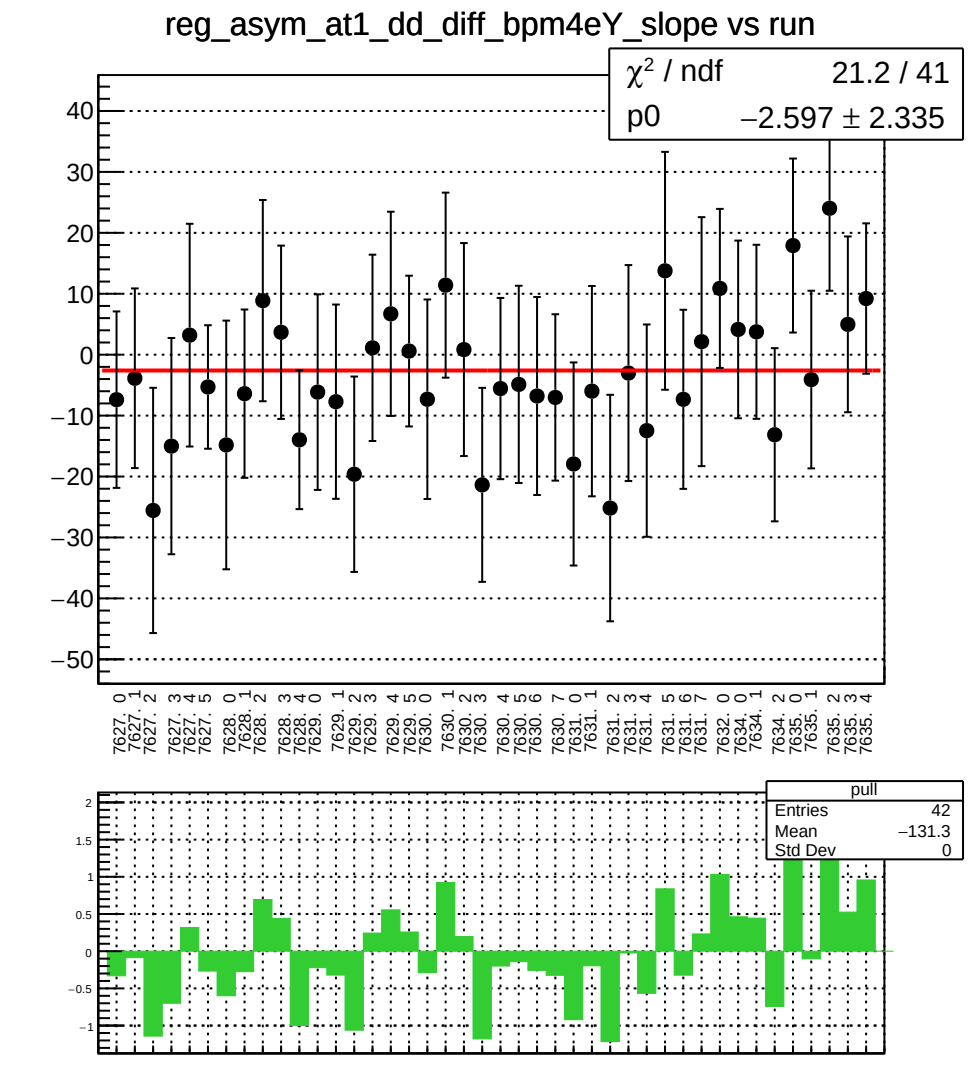

pull1D
Entries 42
Mean −0.002905
Std Dev 0.6848

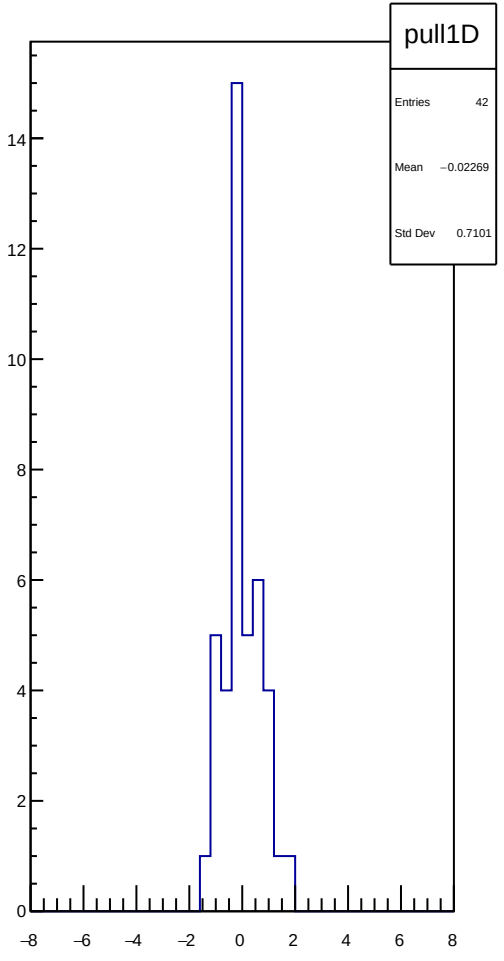

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.98 / 41
p0 −4.42 ± 1.592
pull
Entries 42
Mean −116.5
Std Dev 0

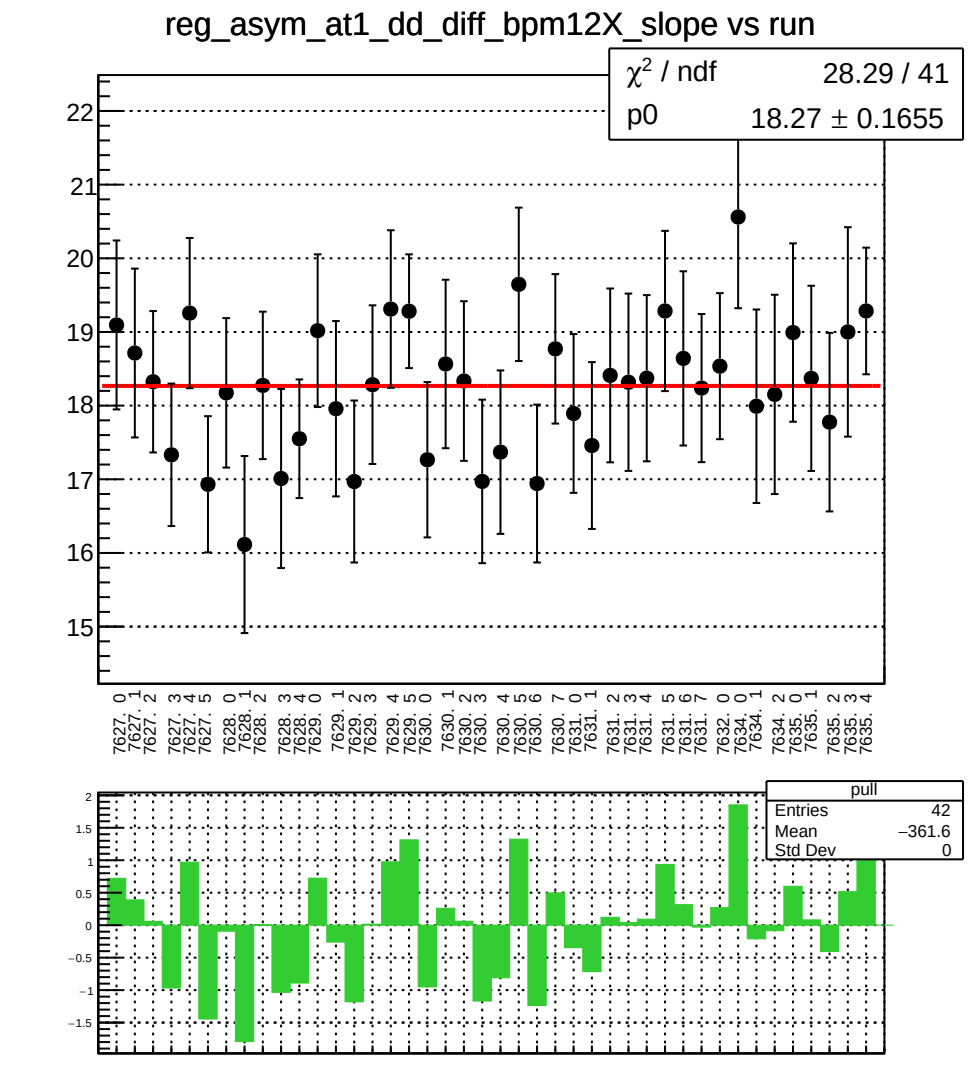

pull1D
Entries 42
Mean 0.02469
Std Dev 0.7063

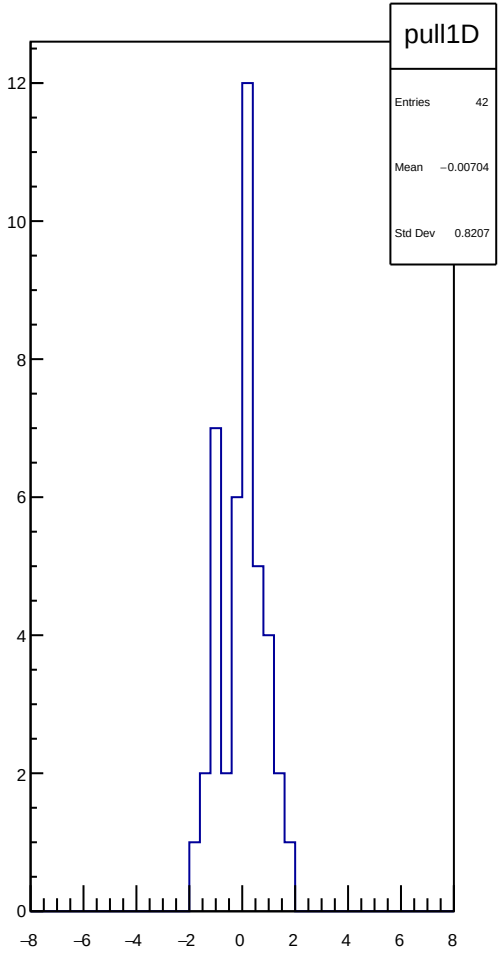

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.83 / 41
p0 −0.6464 ± 1.026
pull
Entries 42
Mean −207.3
Std Dev 0

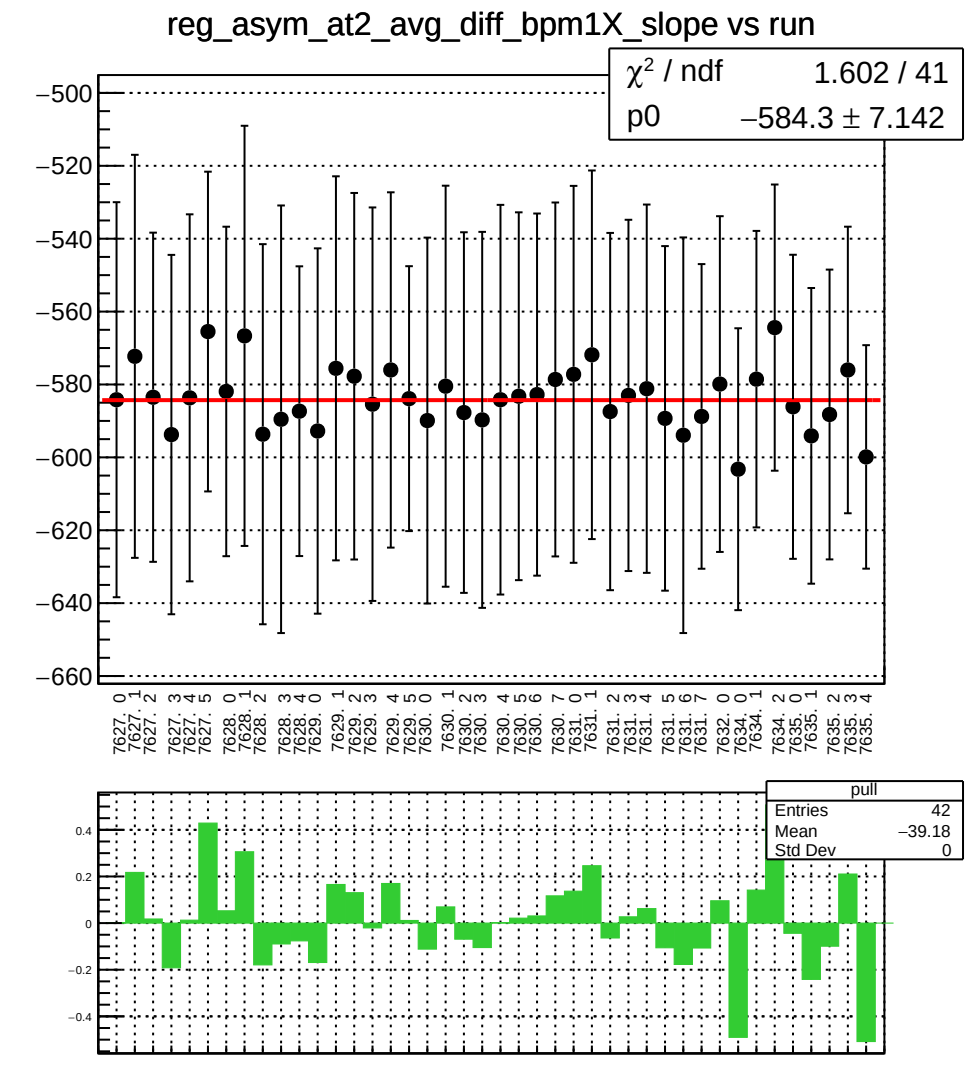

pull1D
Entries 42
Mean 0.00305
Std Dev 0.6696

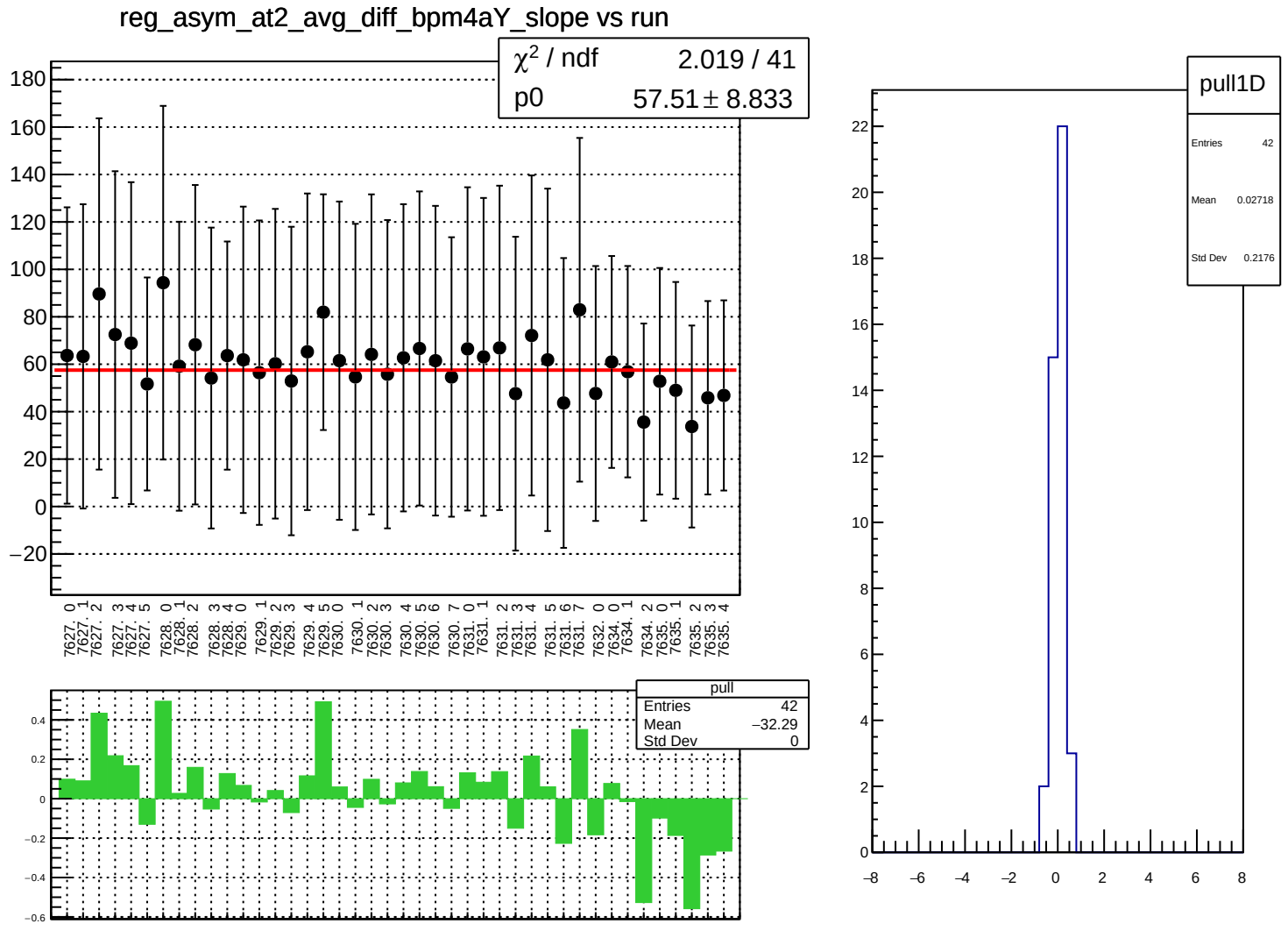

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.2 / 41
p0 −2.597 ± 2.335
pull
Entries 42
Mean −131.3
Std Dev 0

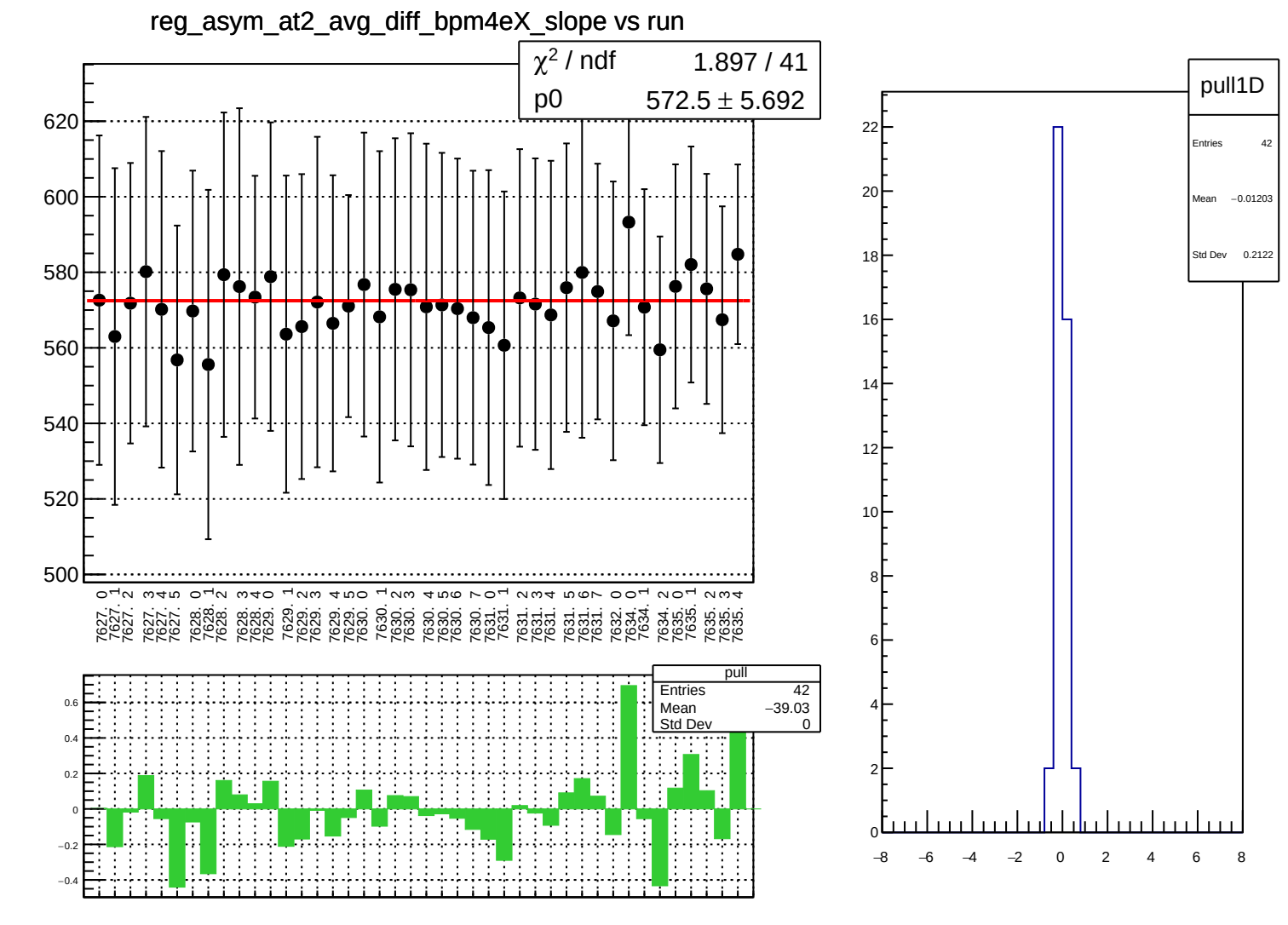

pull1D
Entries 42
Mean −0.02269
Std Dev 0.7101

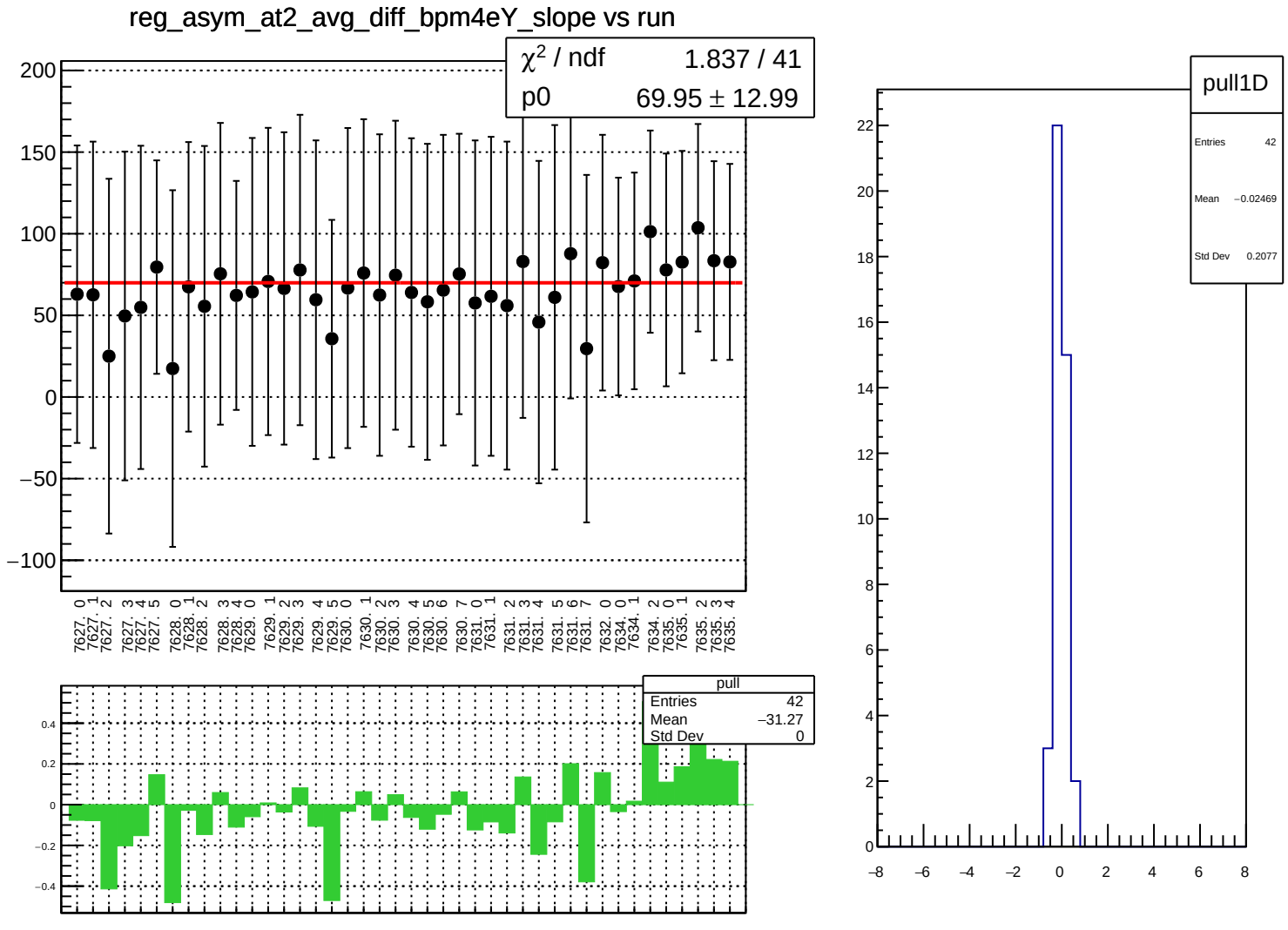

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 28.29 / 41
p0 18.27 ± 0.1655
pull
Entries 42
Mean −361.6
Std Dev 0

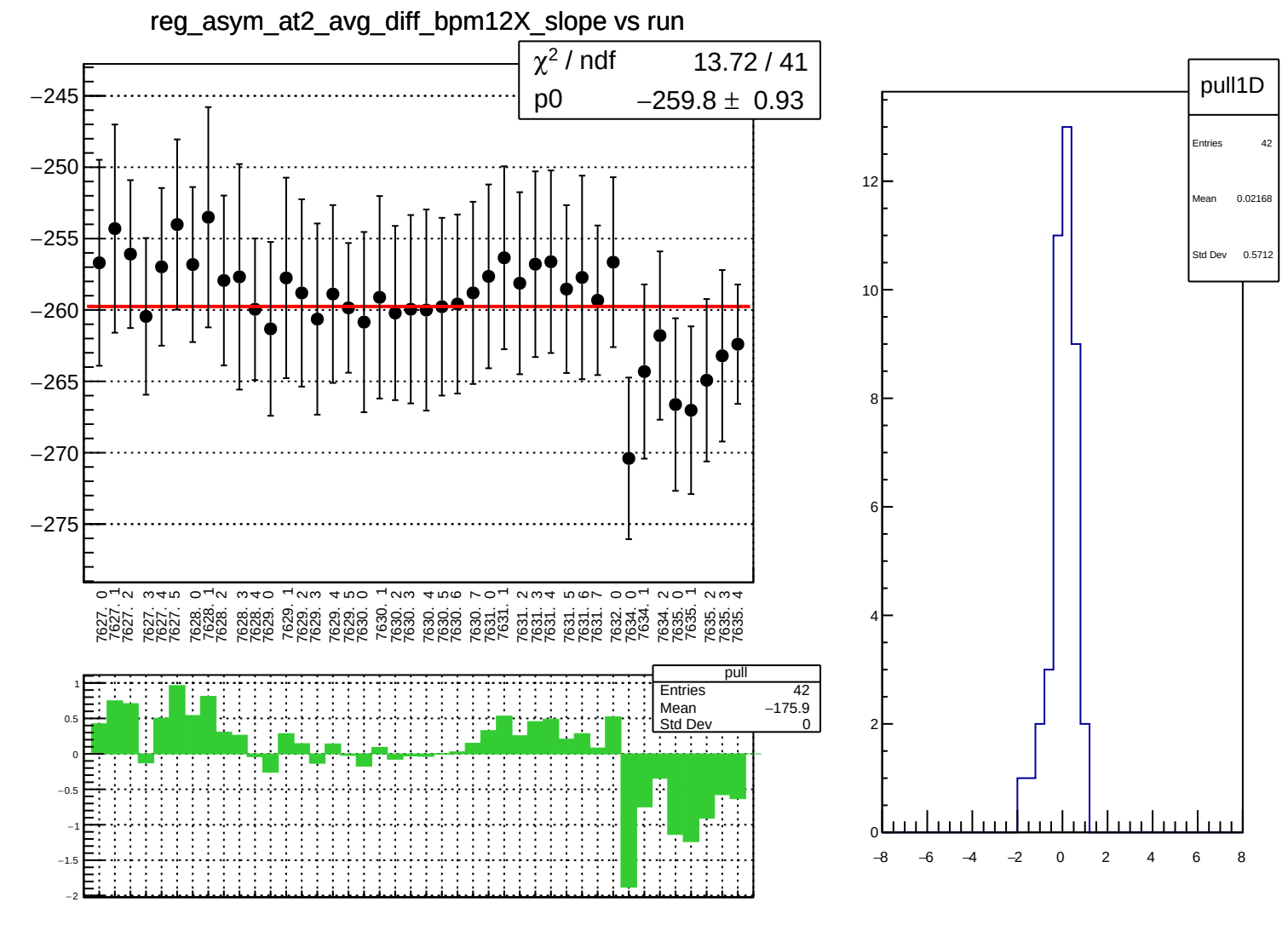

pull1D
Entries 42
Mean −0.00704
Std Dev 0.8207

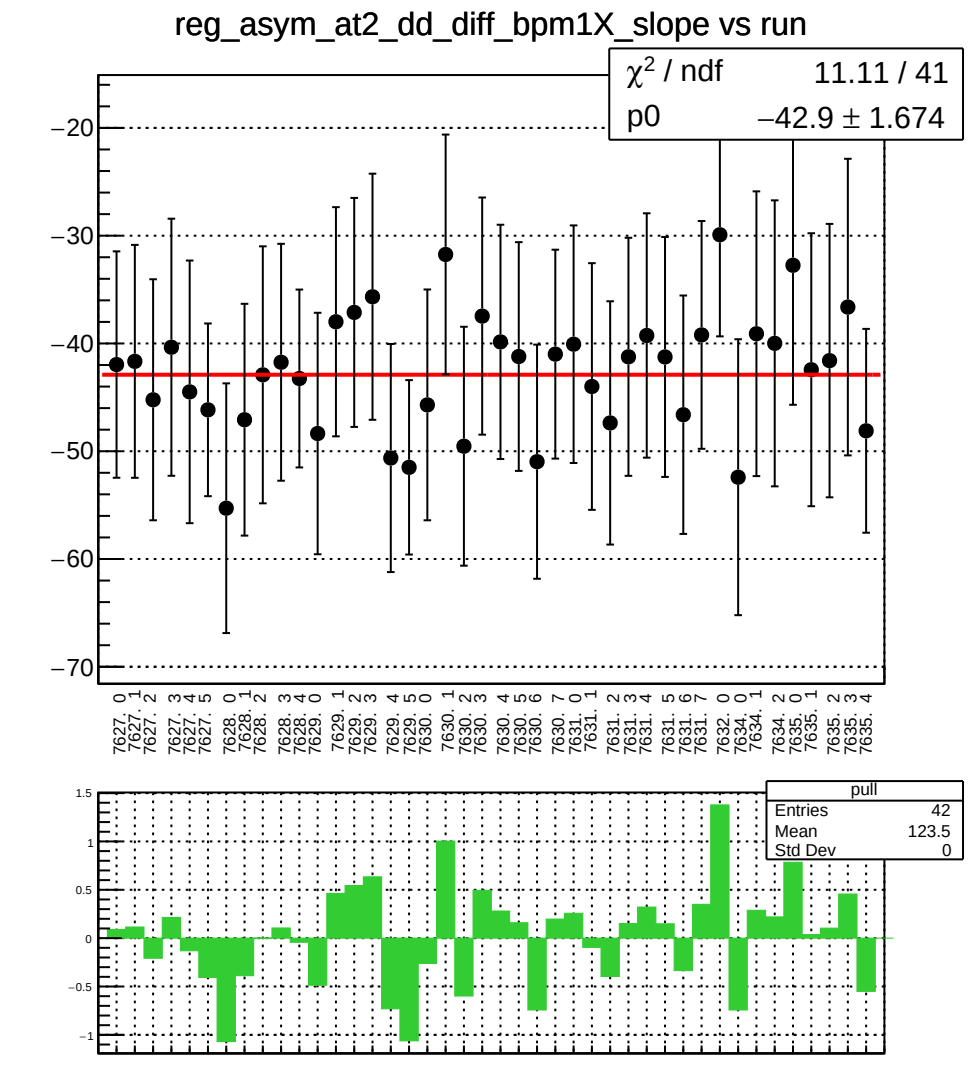

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 1.602 / 41
p0 −584.3 ± 7.142
pull
Entries 42
Mean −39.18
Std Dev 0
pull1D
Entries 42
Mean 0.007951
Std Dev 0.1952

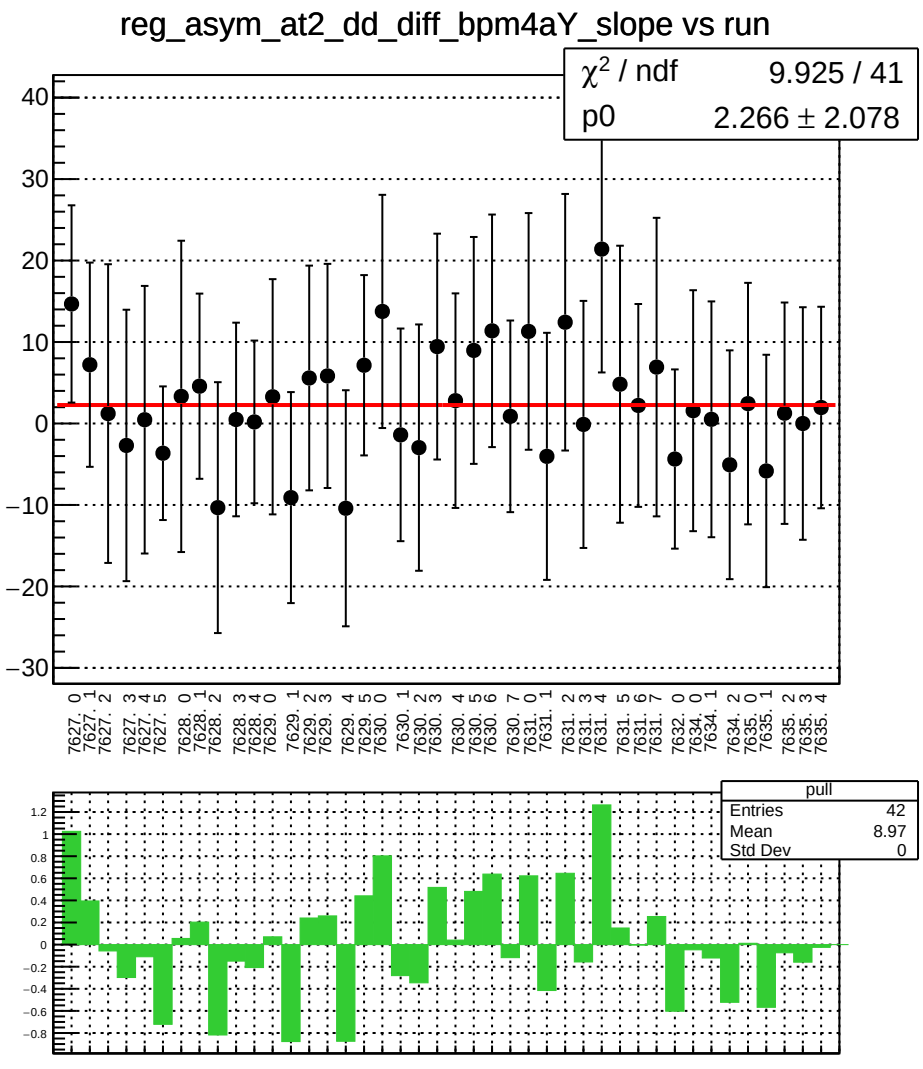

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.019 / 41
p0 57.51 ± 8.833
pull
Entries 42
Mean −32.29
Std Dev 0
pull1D
Entries 42
Mean 0.02718
Std Dev 0.2176

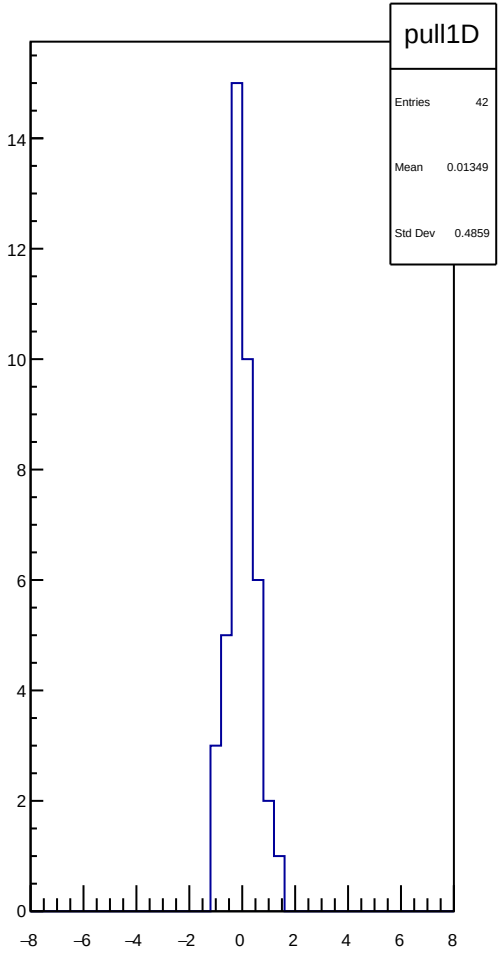

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.897 / 41
p0 572.5 ± 5.692
620
600
580
560
540
520
500
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −39.03
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean −0.01203
Std Dev 0.2122
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

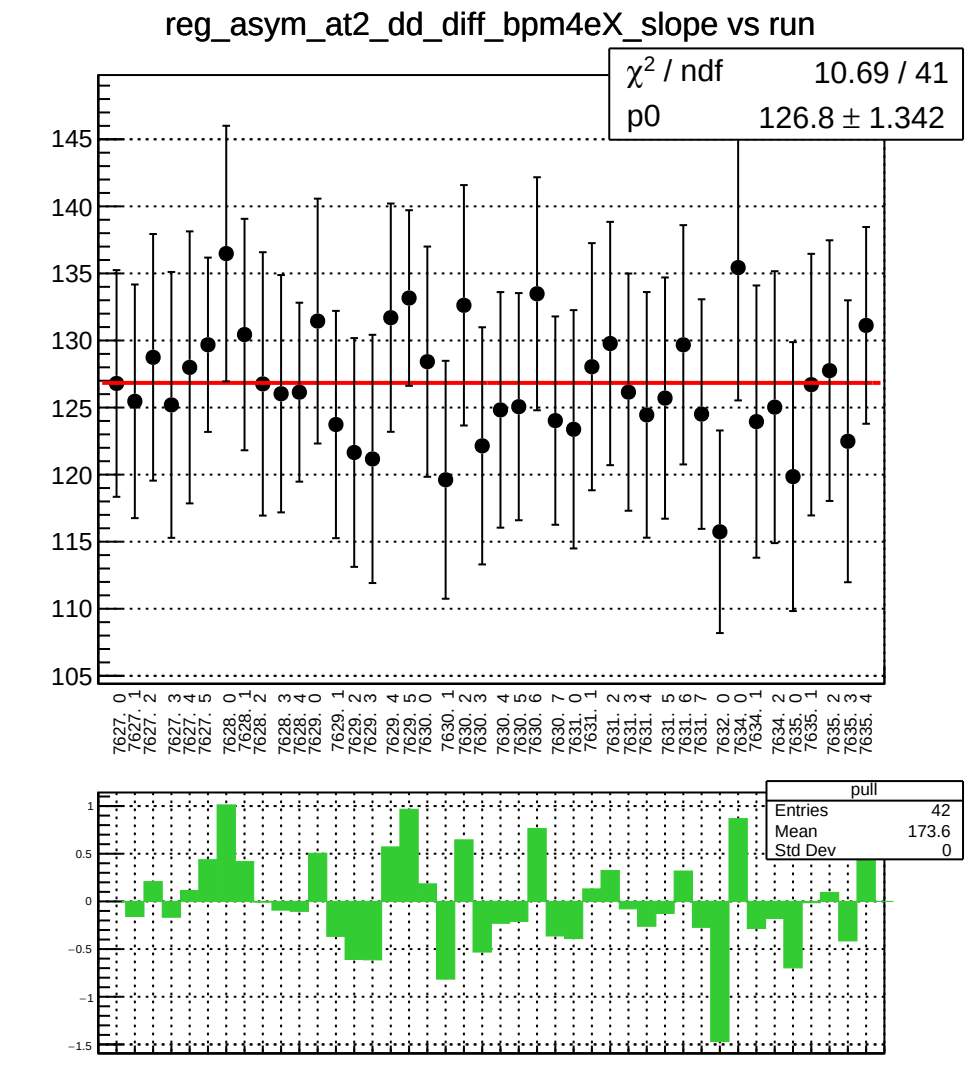

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.837 / 41
p0 69.95 ± 12.99
200
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.27
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean −0.02469
Std Dev 0.2077
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

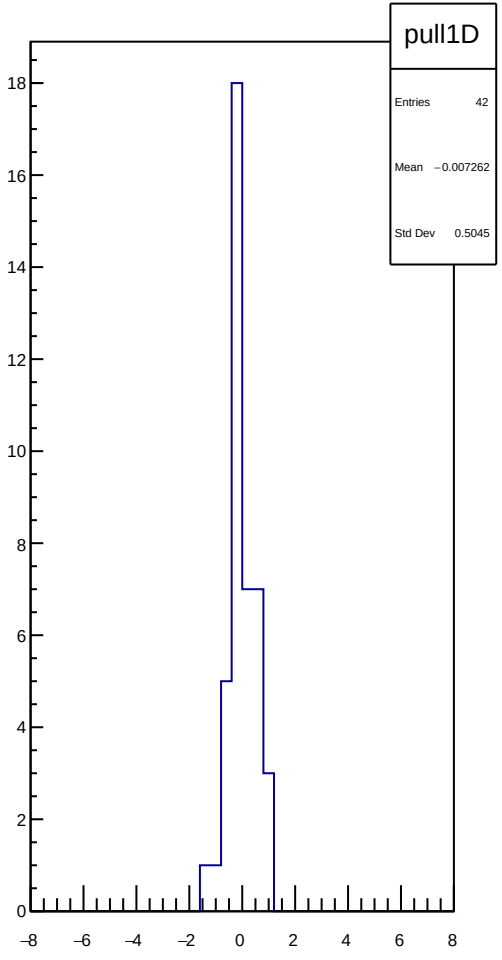

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.72 / 41
p0 −259.8 ± 0.93
−245
−250
−255
−260
−265
−270
−275
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −175.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.02168
Std Dev 0.5712
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

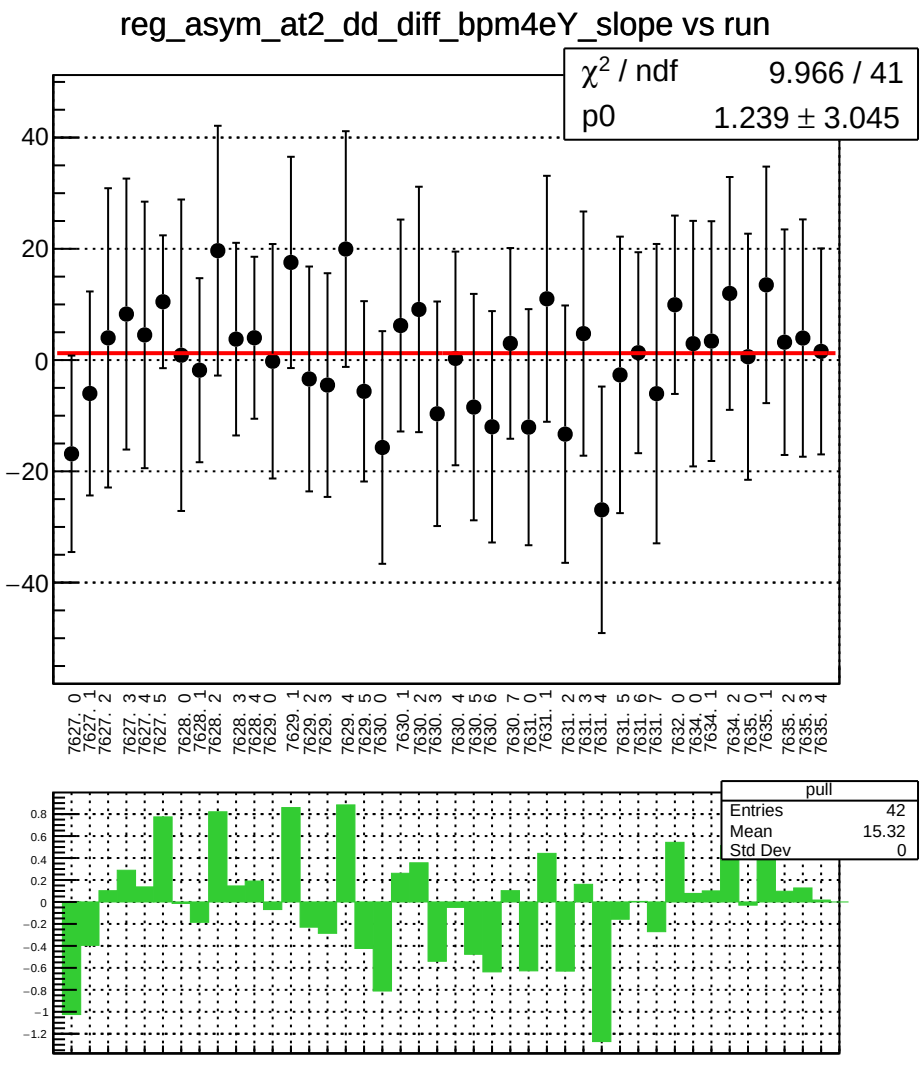

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 11.11 / 41
p0 −42.9 ± 1.674
pull
Entries 42
Mean 123.5
Std Dev 0
pull1D
Entries 42
Mean 0.01294
Std Dev 0.5142

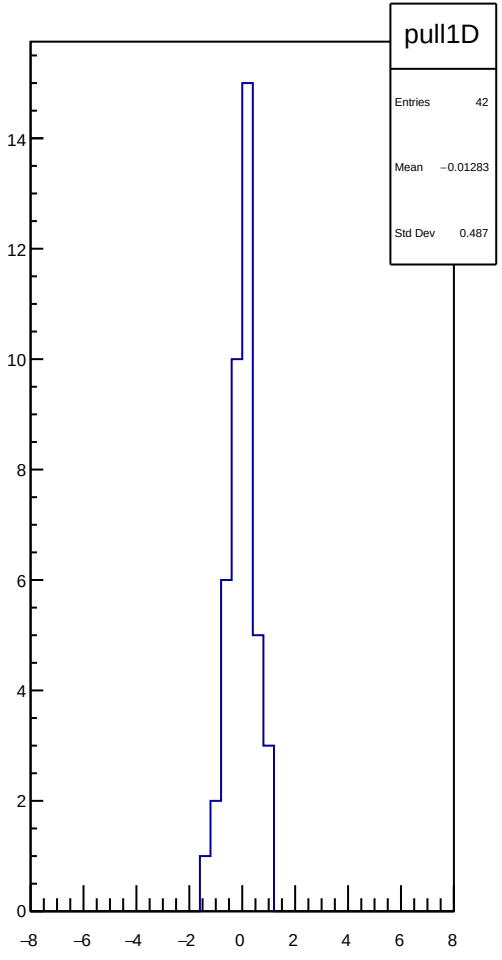

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.925 / 41
p0 2.266 ± 2.078
pull
Entries 42
Mean 8.97
Std Dev 0

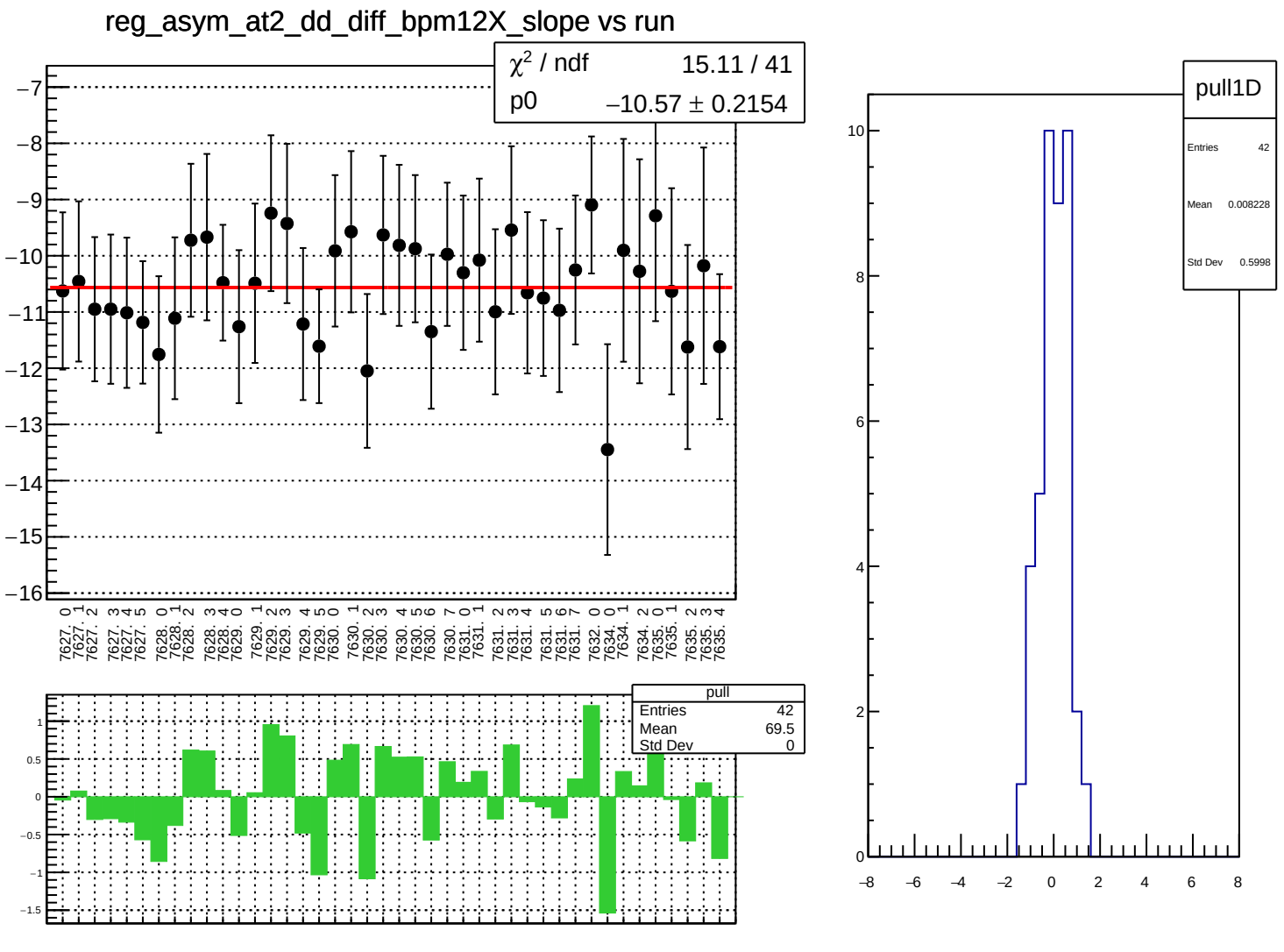

pull1D
Entries 42
Mean 0.01349
Std Dev 0.4859

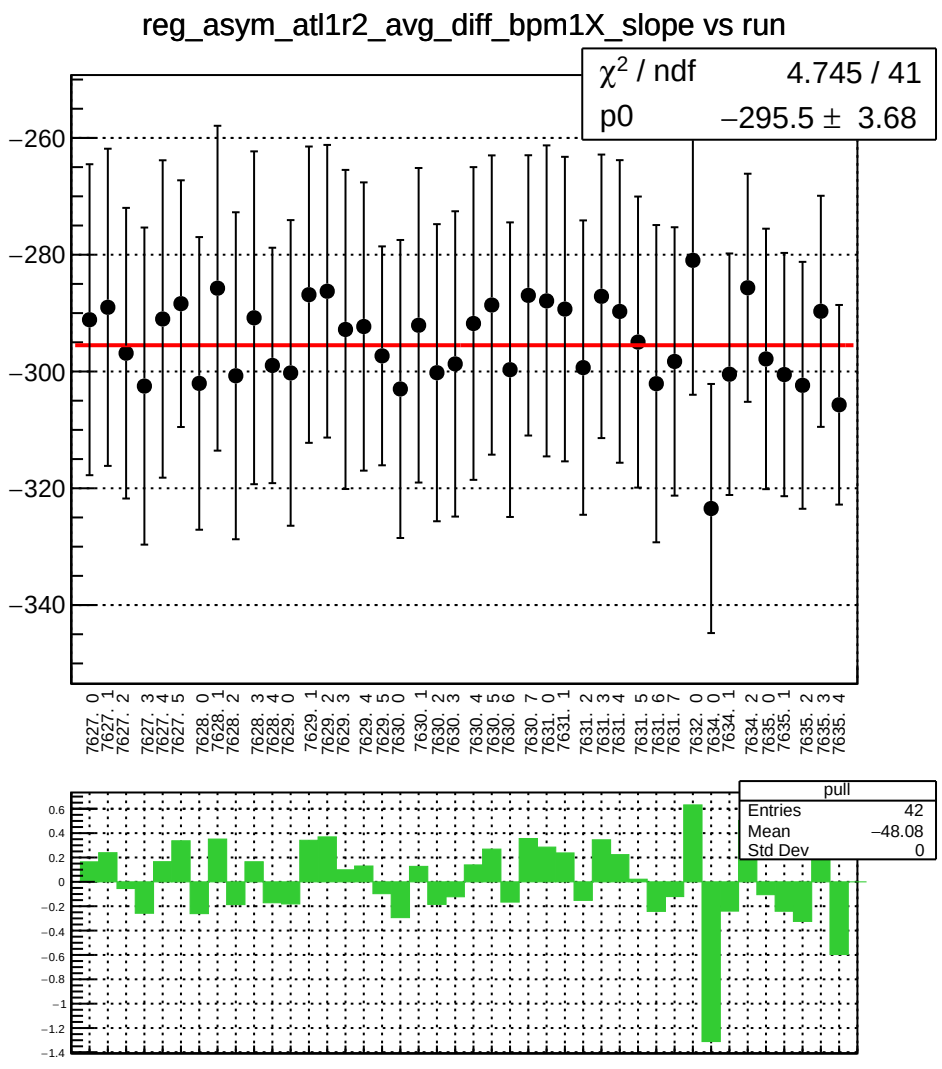

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.69 / 41
p0 126.8 ± 1.342
145
140
135
130
125
120
115
110
105
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 173.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

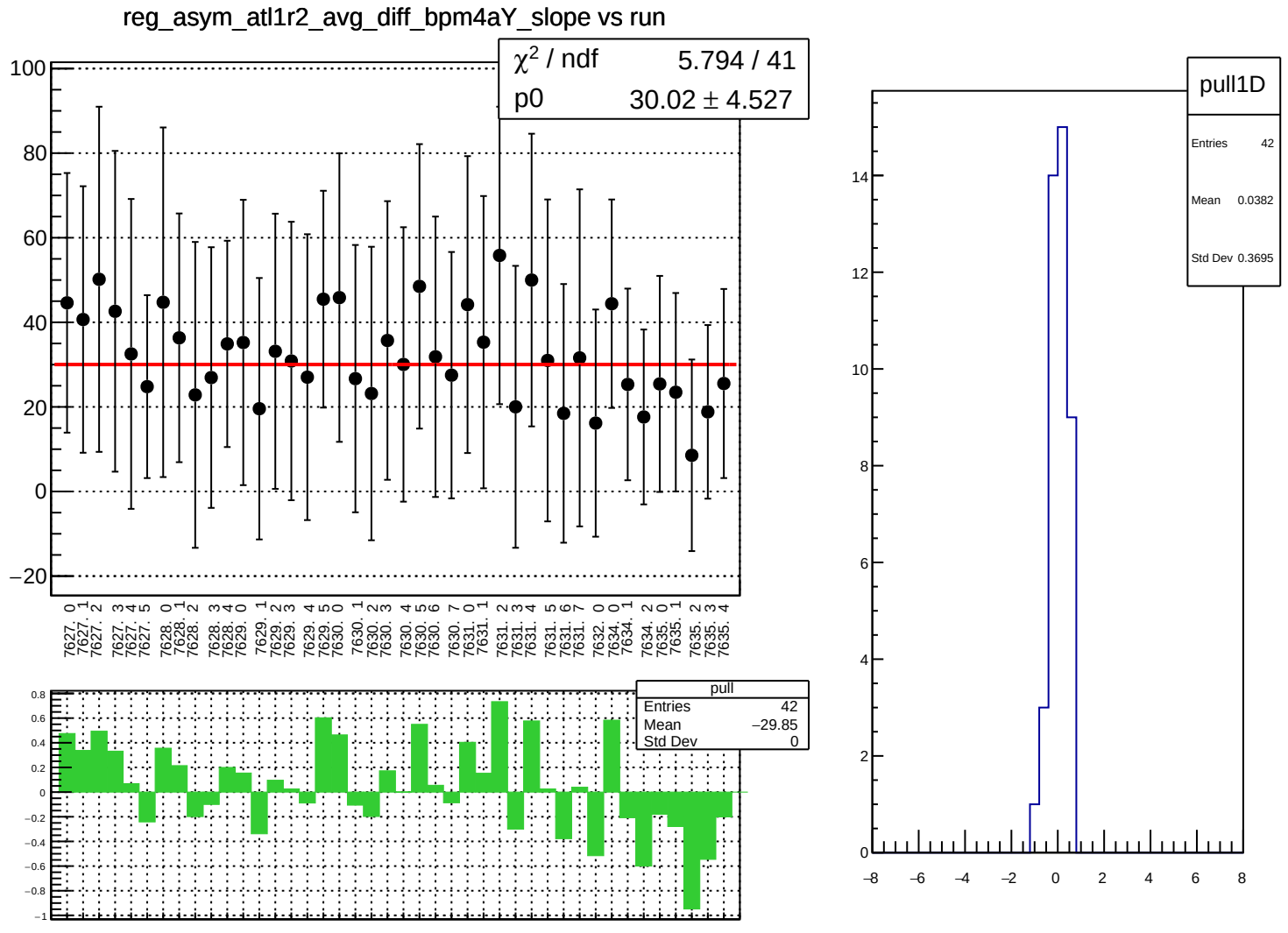

pull1D
Entries 42
Mean −0.007262
Std Dev 0.5045
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

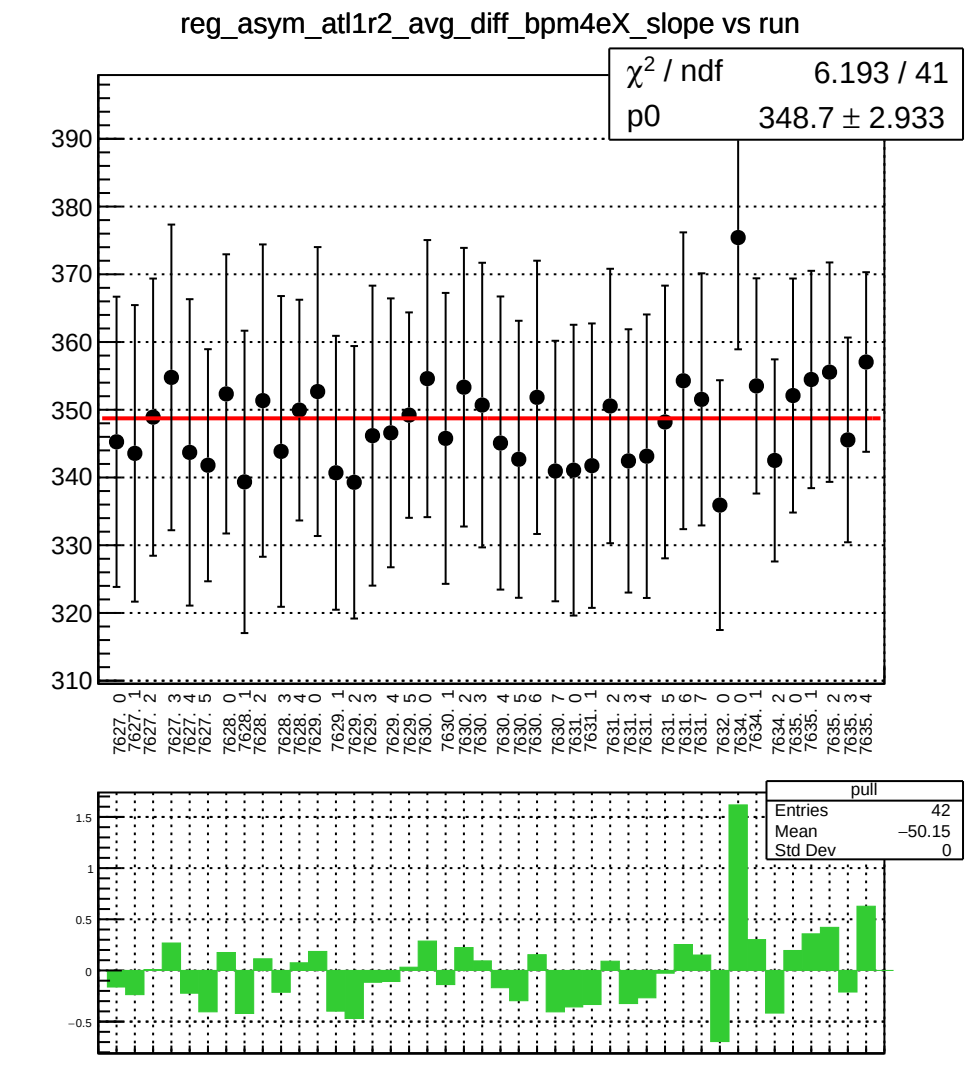

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.966 / 41
p0 1.239 ± 3.045
40
20
0
−20
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 15.32
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

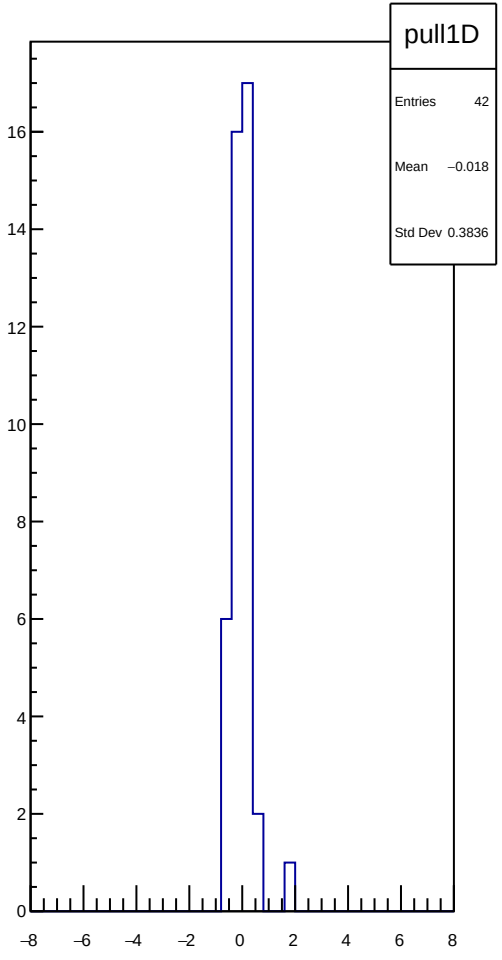

pull1D
Entries 42
Mean −0.01283
Std Dev 0.487
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

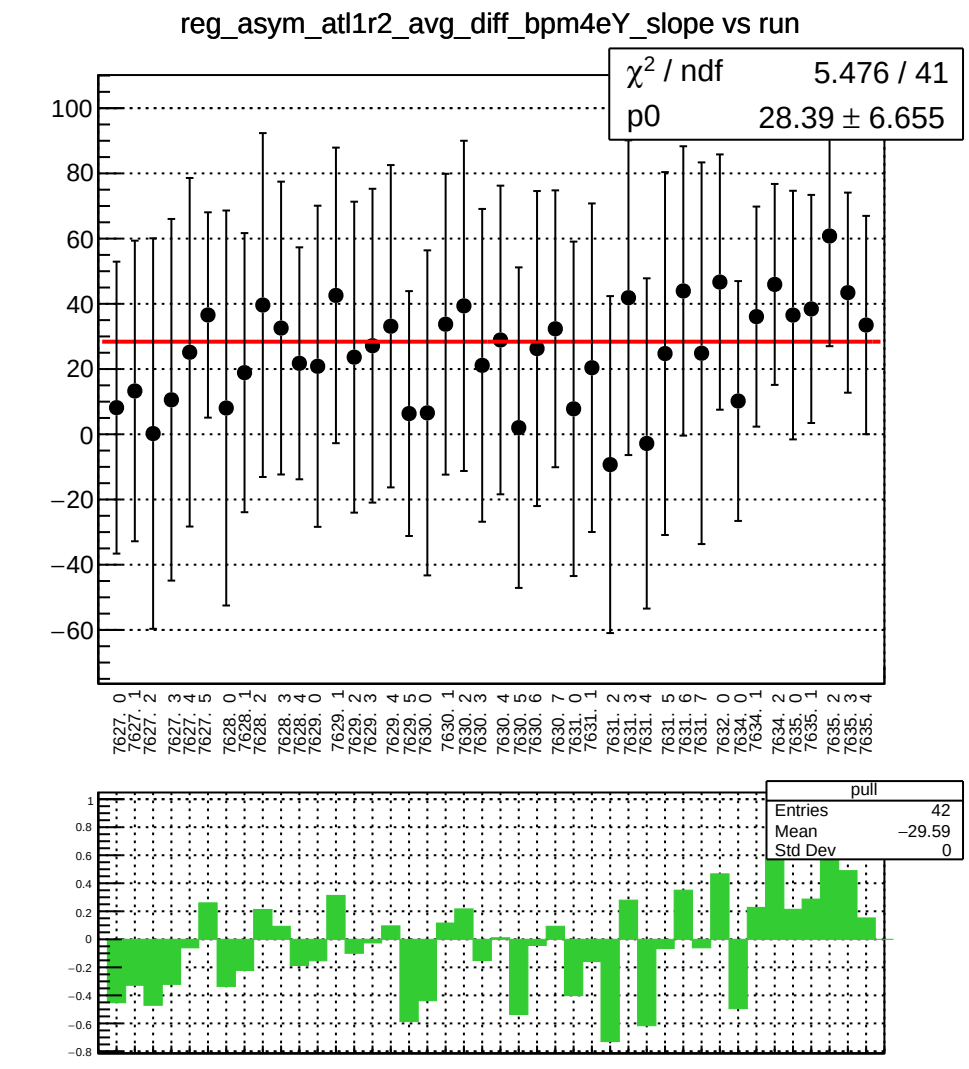

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 15.11 / 41
p0 −10.57 ± 0.2154
pull
Entries 42
Mean 69.5
Std Dev 0
pull1D
Entries 42
Mean 0.008228
Std Dev 0.5998

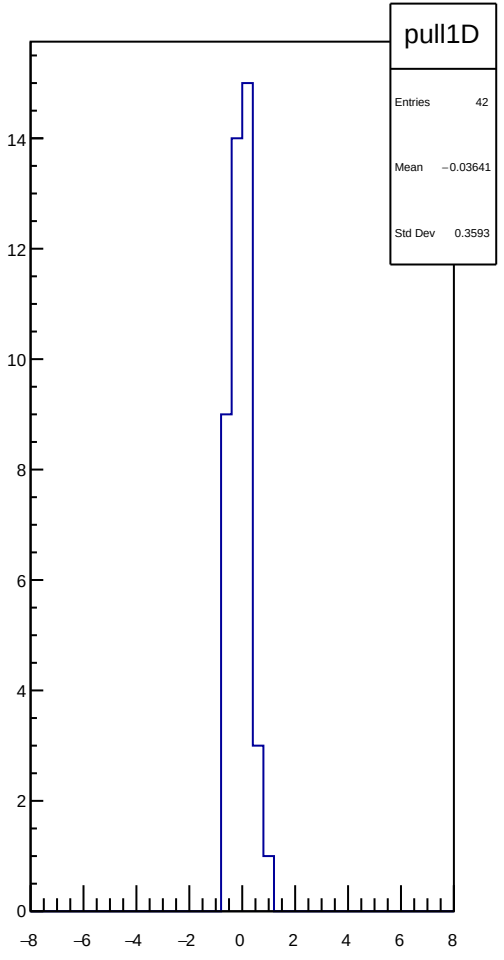

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 4.745 / 41
p0 −295.5 ± 3.68
−260
−280
−300
−320
−340
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −48.08
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 42
Mean 0.01147
Std Dev 0.3359
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

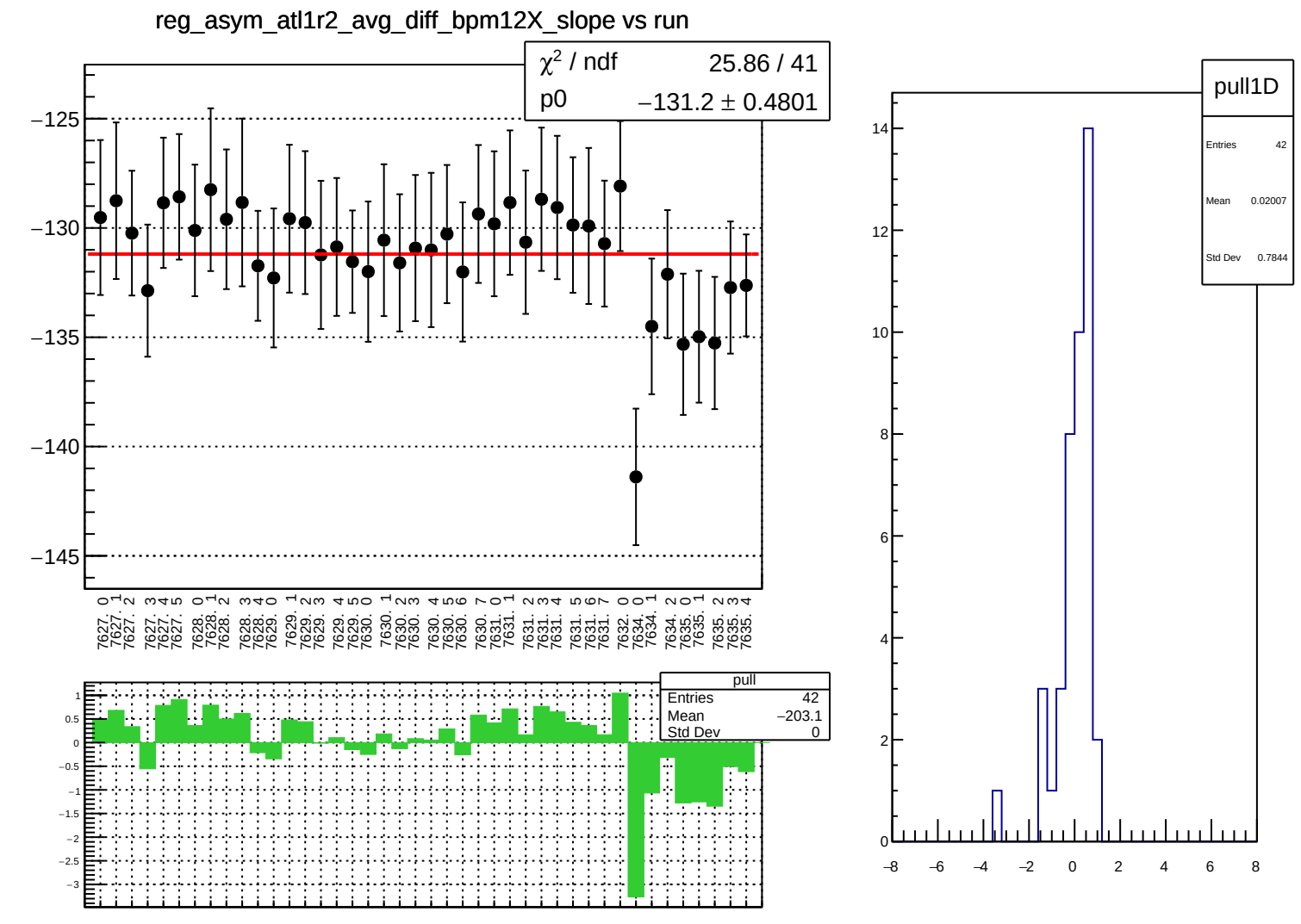

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.794 / 41
p0 30.02 ± 4.527
pull
Entries 42
Mean −29.85
Std Dev 0
pull1D
Entries 42
Mean 0.0382
Std Dev 0.3695

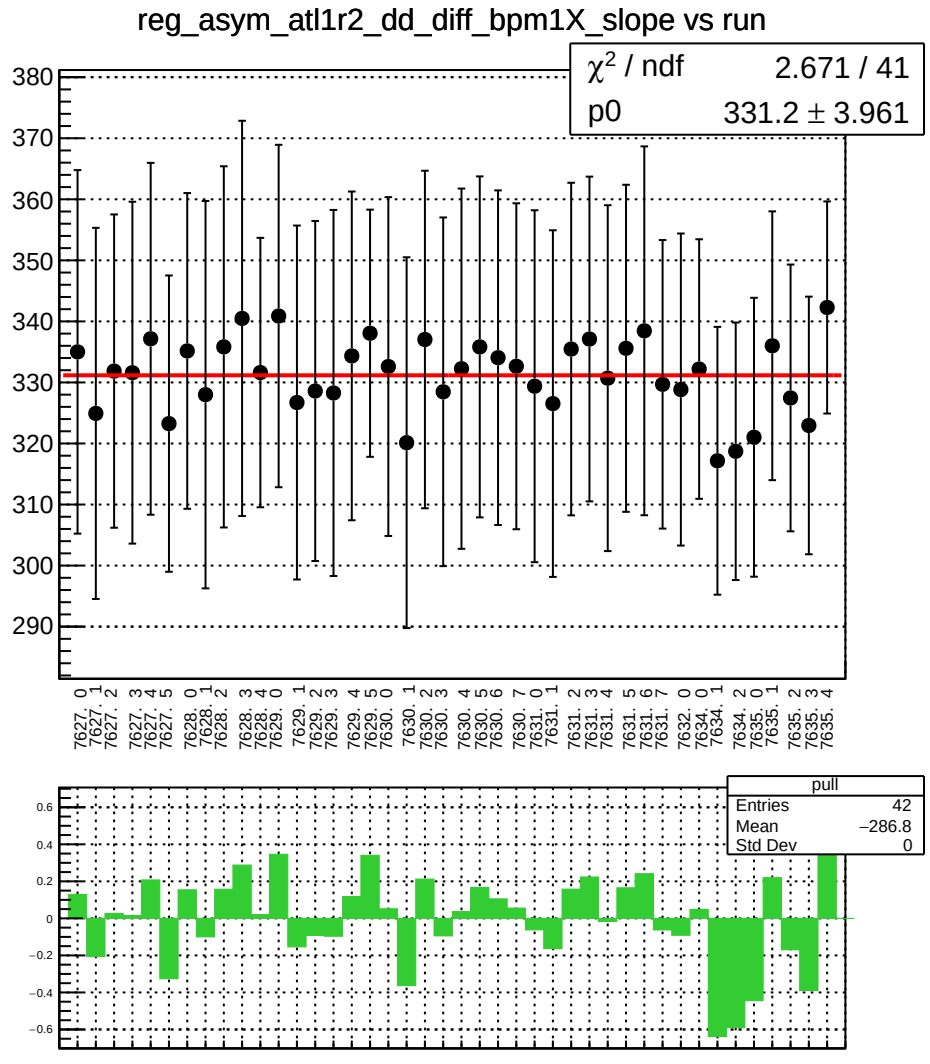

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.193 / 41
p0 348.7 ± 2.933
390
380
370
360
350
340
330
320
310
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −50.15
Std Dev 0
1.5
1
0.5
0
−0.5

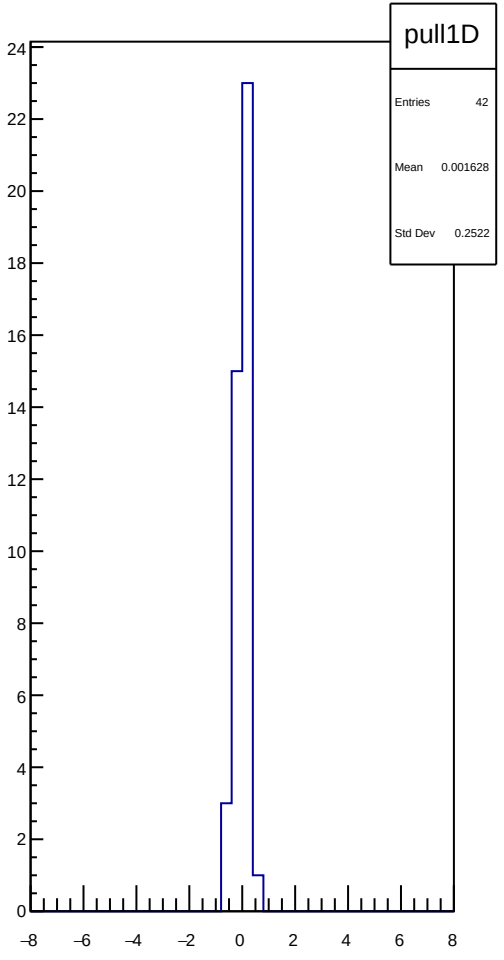

pull1D
Entries 42
Mean −0.018
Std Dev 0.3836
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

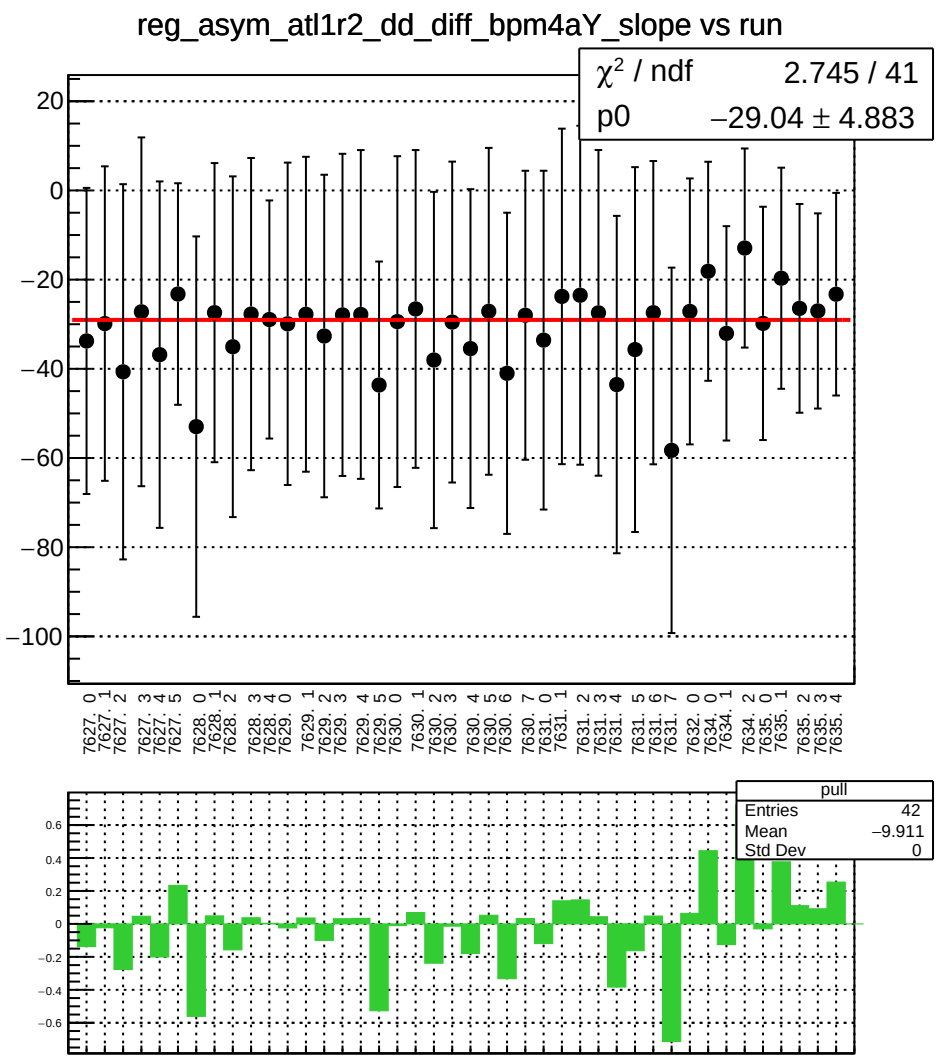

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.476 / 41
p0 28.39 ± 6.655
pull
Entries 42
Mean −29.59
Std Dev 0

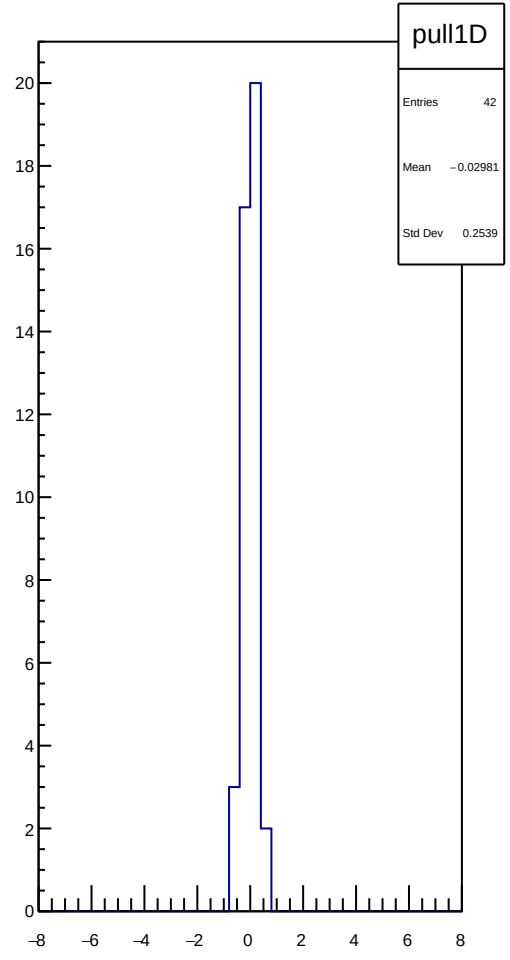

pull1D
Entries 42
Mean −0.03641
Std Dev 0.3593

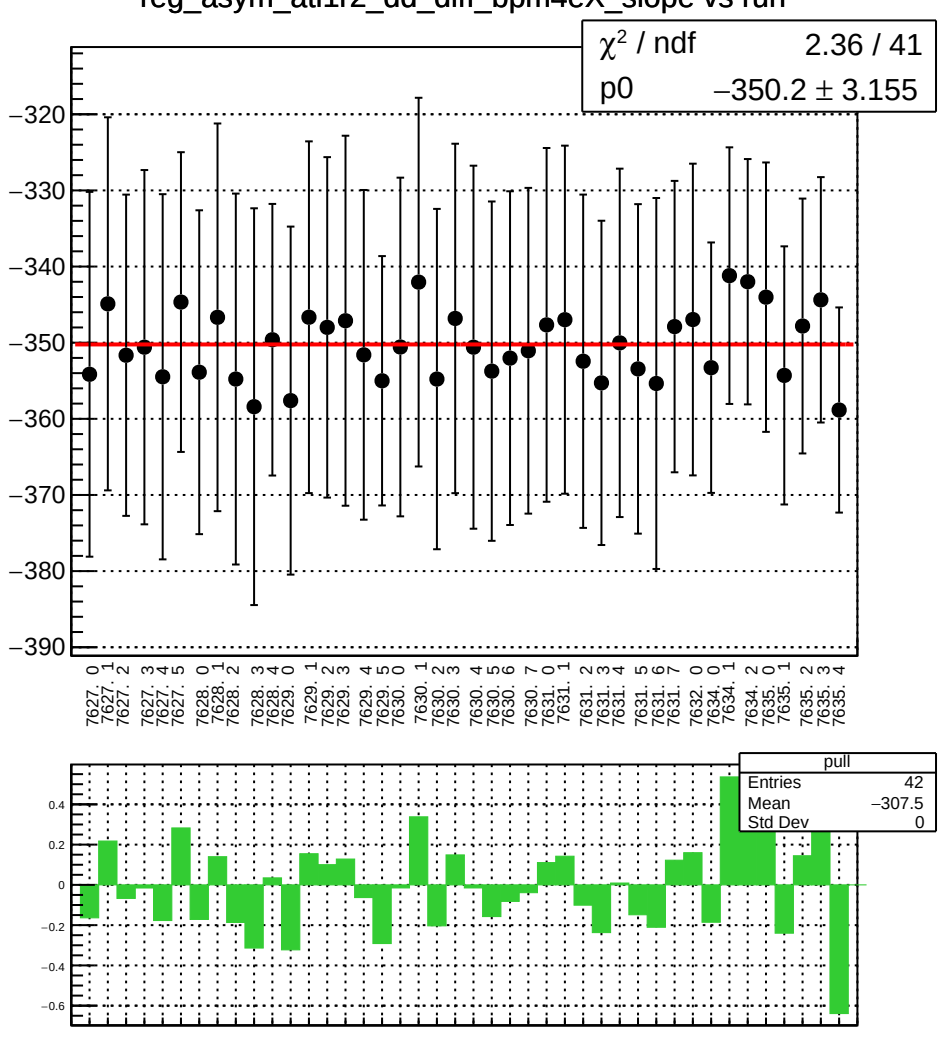

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 25.86 / 41
p0 −131.2 ± 0.4801
−125
−130
−135
−140
−145
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −203.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 42
Mean 0.02007
Std Dev 0.7844
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

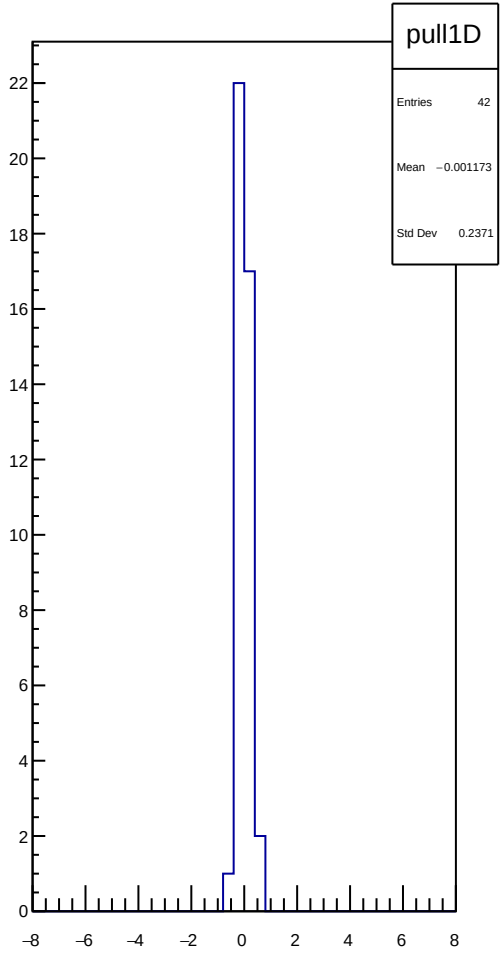

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 2.671 / 41
p0 331.2 ± 3.961
pull
Entries 42
Mean −286.8
Std Dev 0

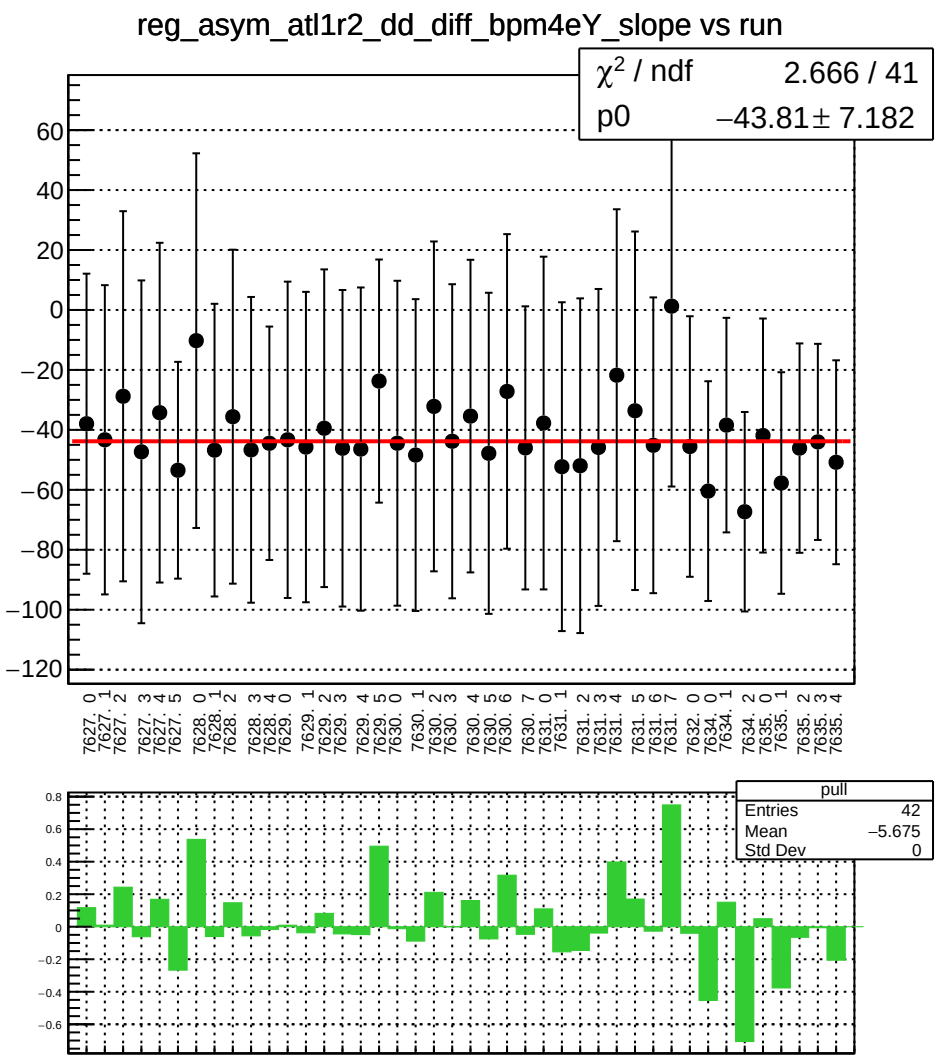

pull1D
Entries 42
Mean 0.001628
Std Dev 0.2522

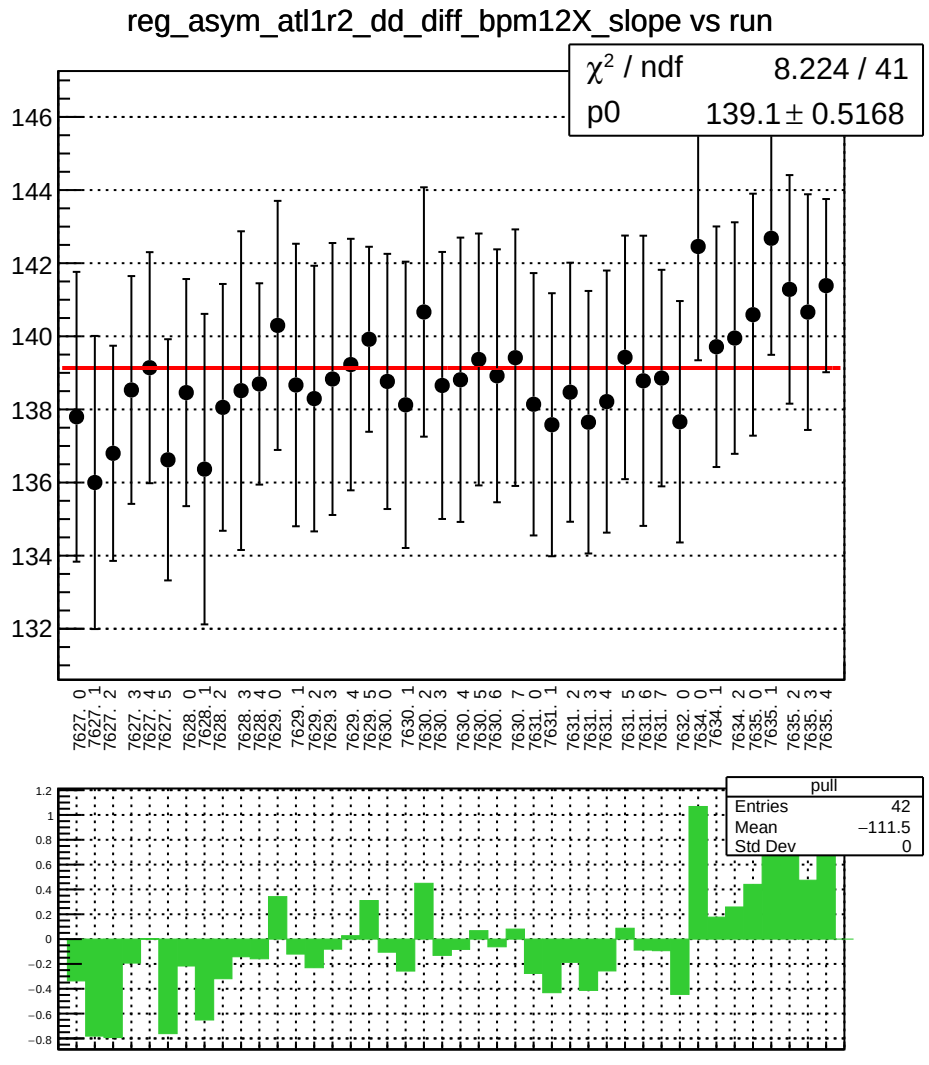

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.745 / 41
p0 −29.04 ± 4.883
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −9.911
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

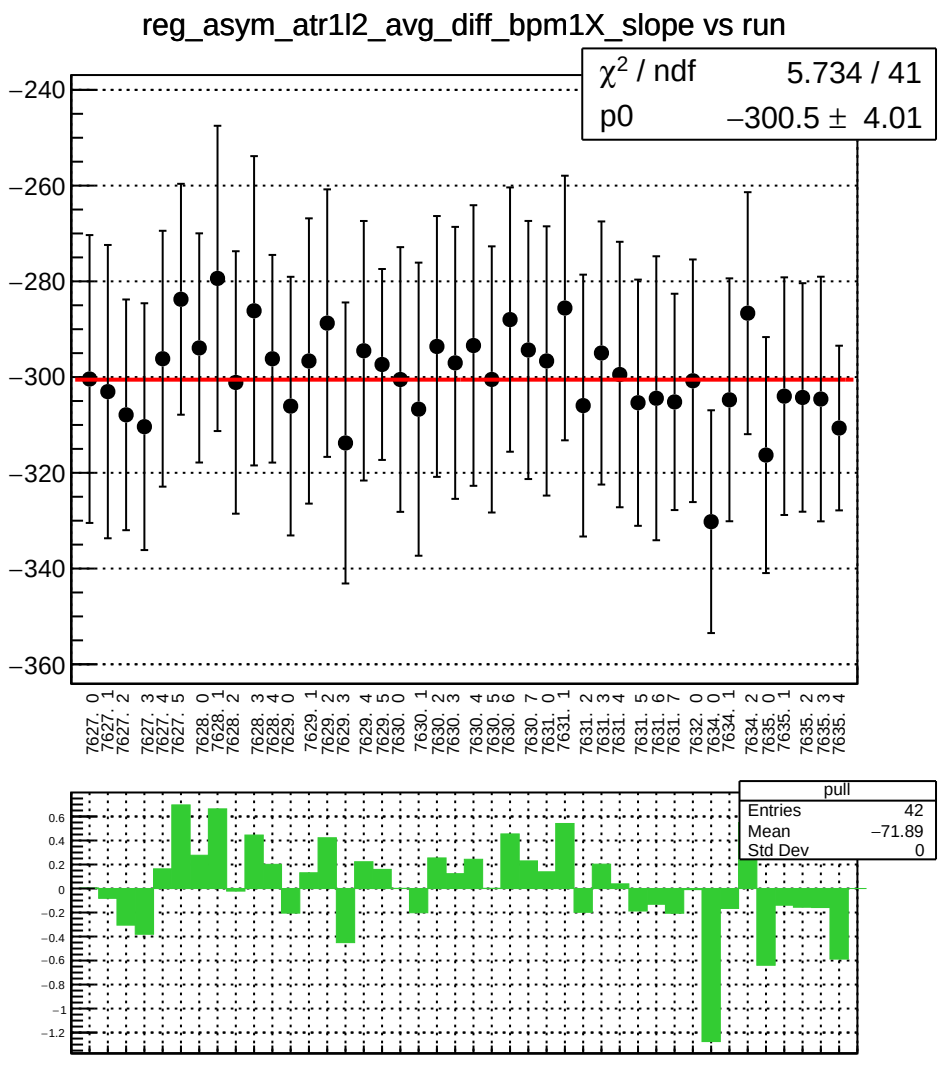

pull1D
Entries 42
Mean −0.02981
Std Dev 0.2539
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

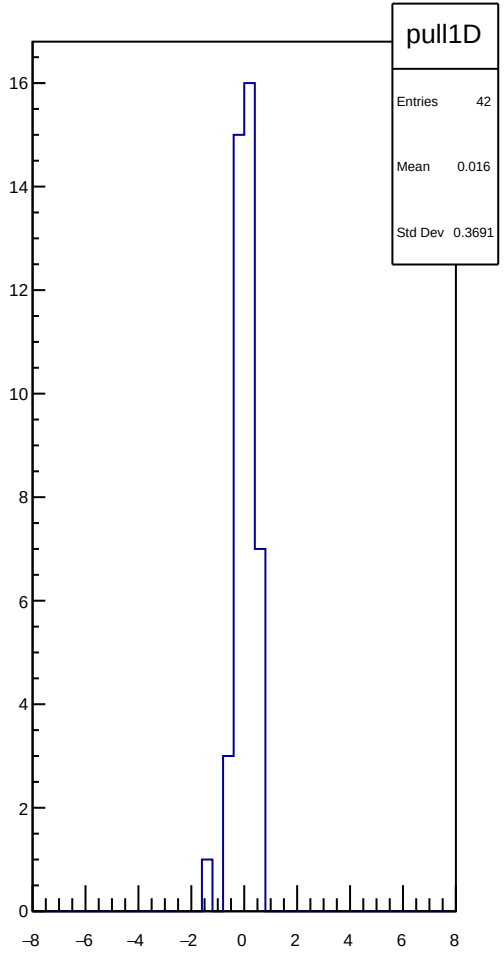

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.36 / 41
p0 −350.2 ± 3.155
pull
Entries 42
Mean −307.5
Std Dev 0

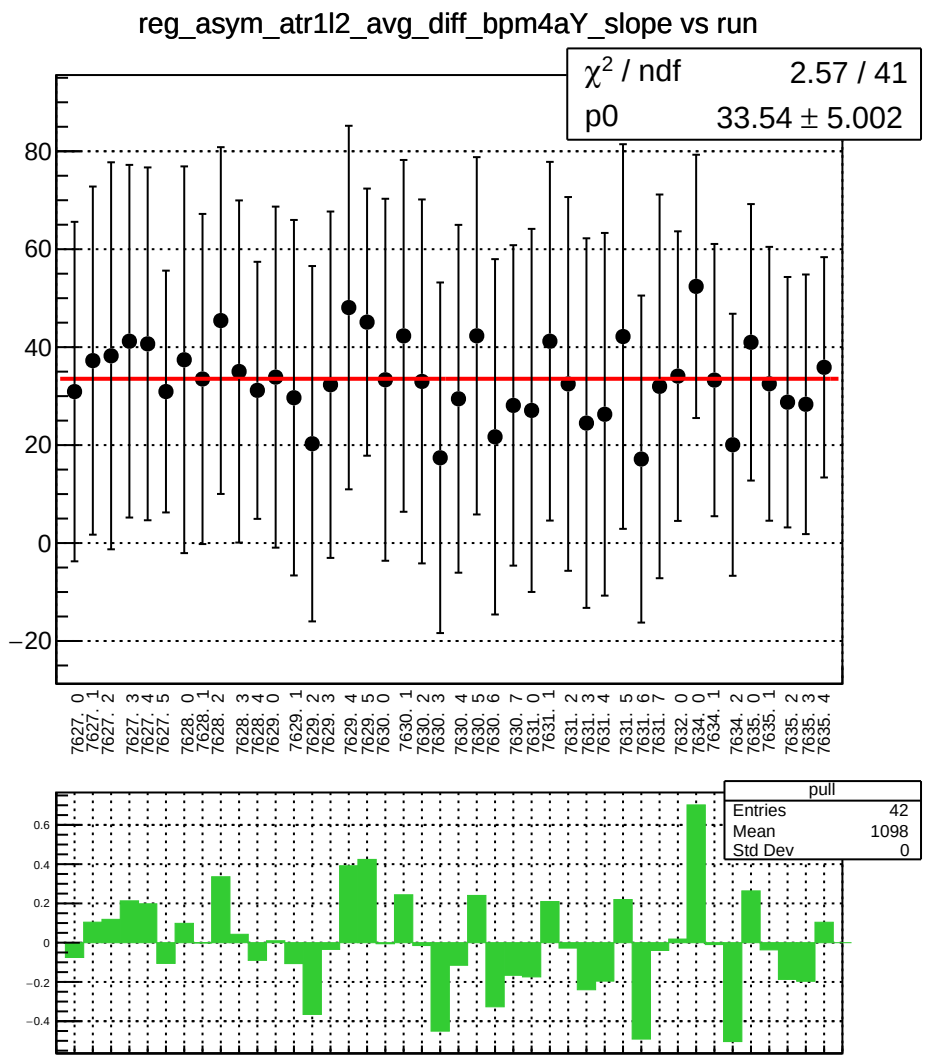

pull1D
Entries 42
Mean −0.001173
Std Dev 0.2371

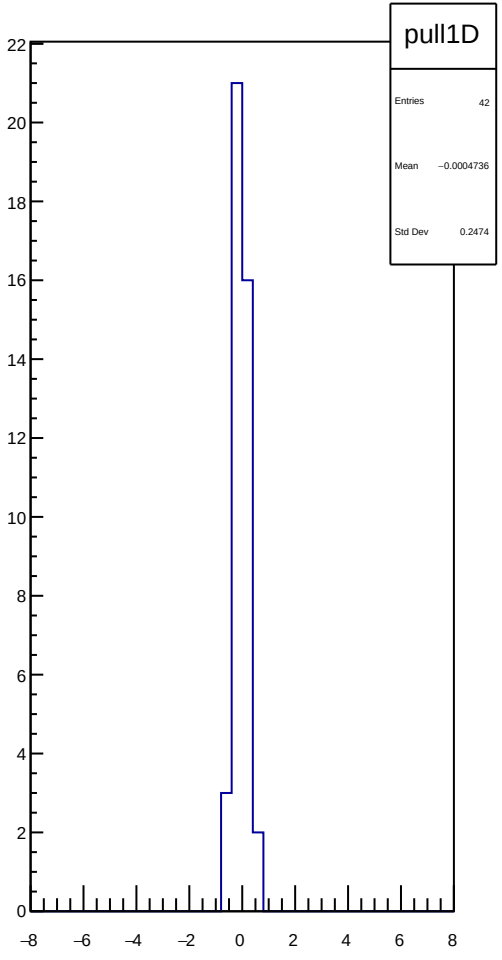

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.666 / 41
p0 −43.81 ± 7.182
pull
Entries 42
Mean −5.675
Std Dev 0
pull1D
Entries 42
Mean 0.02602
Std Dev 0.2506

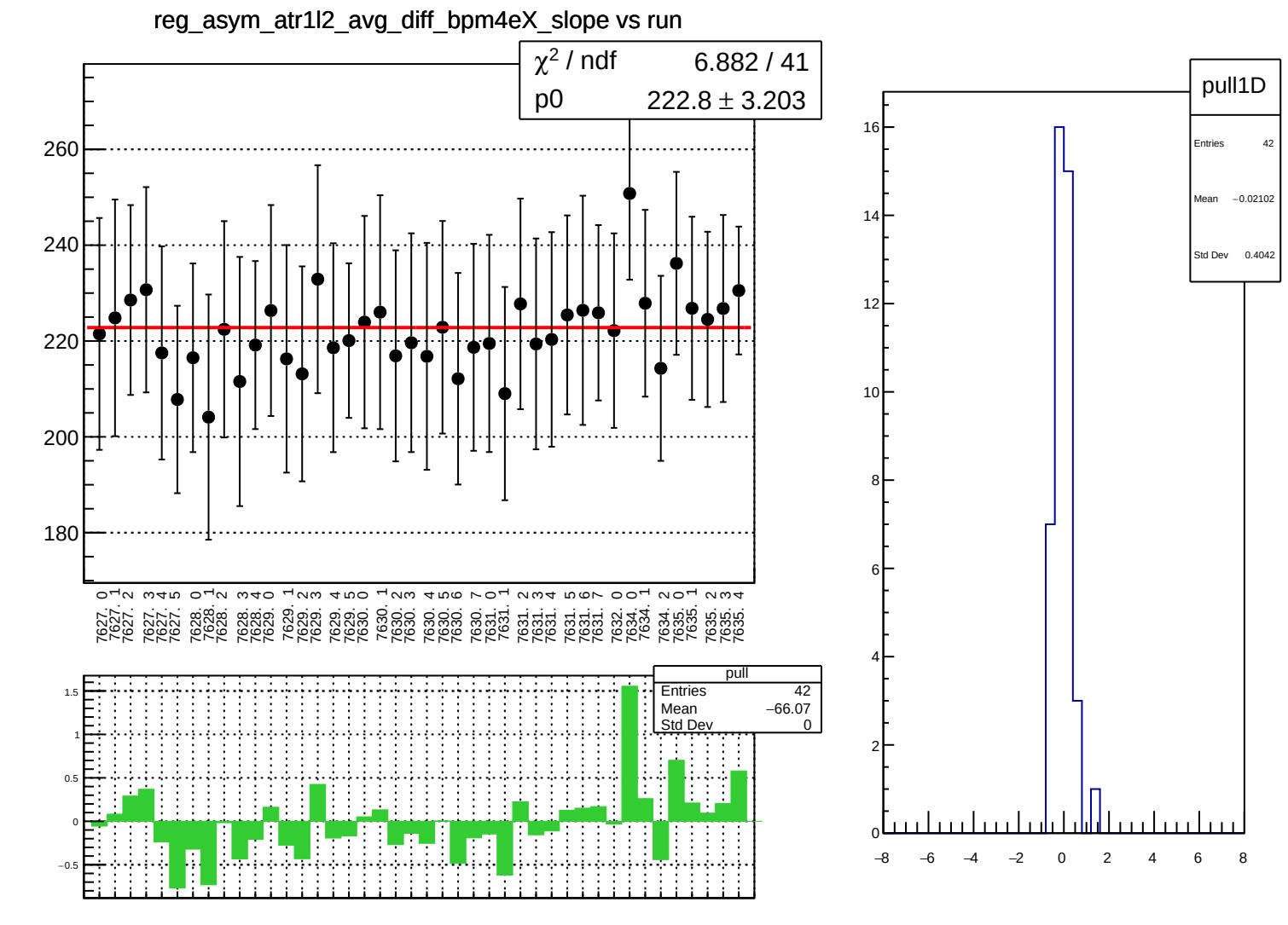

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.224 / 41
p0 139.1 ± 0.5168
146
144
142
140
138
136
134
132
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −111.5
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 42
Mean −0.02563
Std Dev 0.4418
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

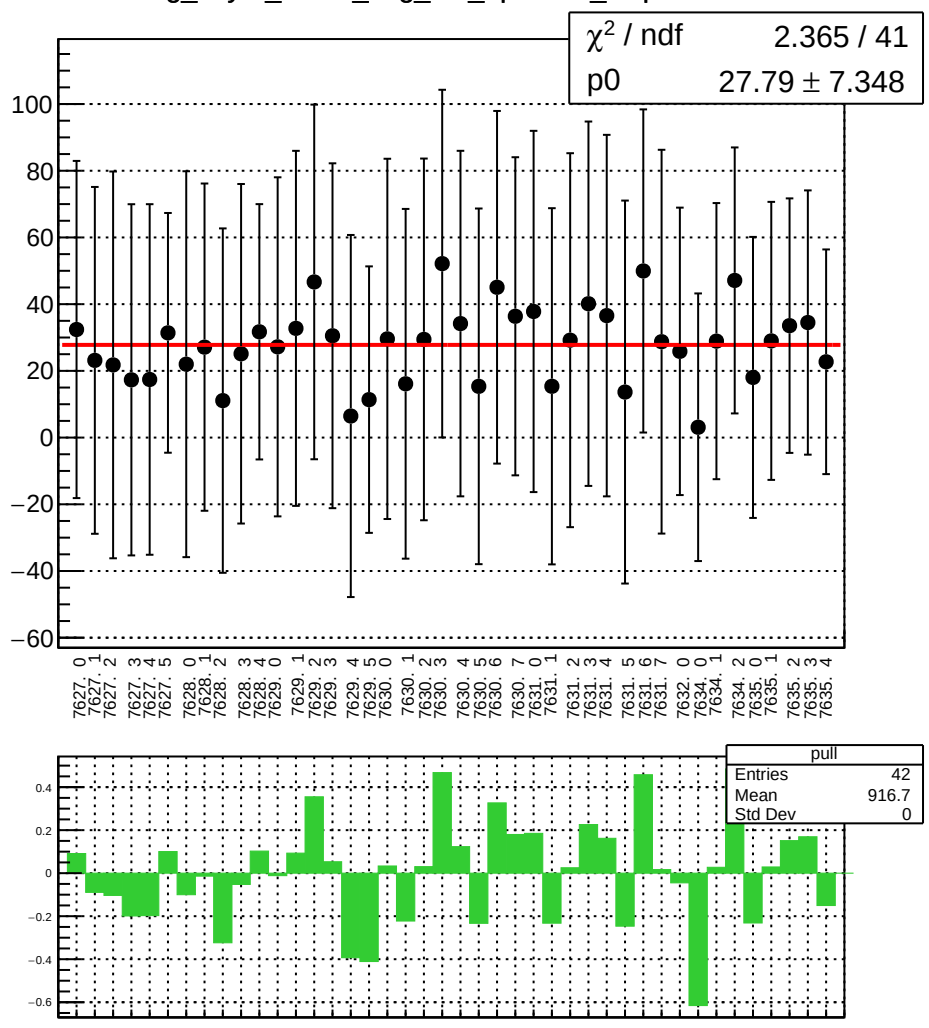

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.734 / 41
p0 −300.5 ± 4.01
−240
−260
−280
−300
−320
−340
−360
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −71.89
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

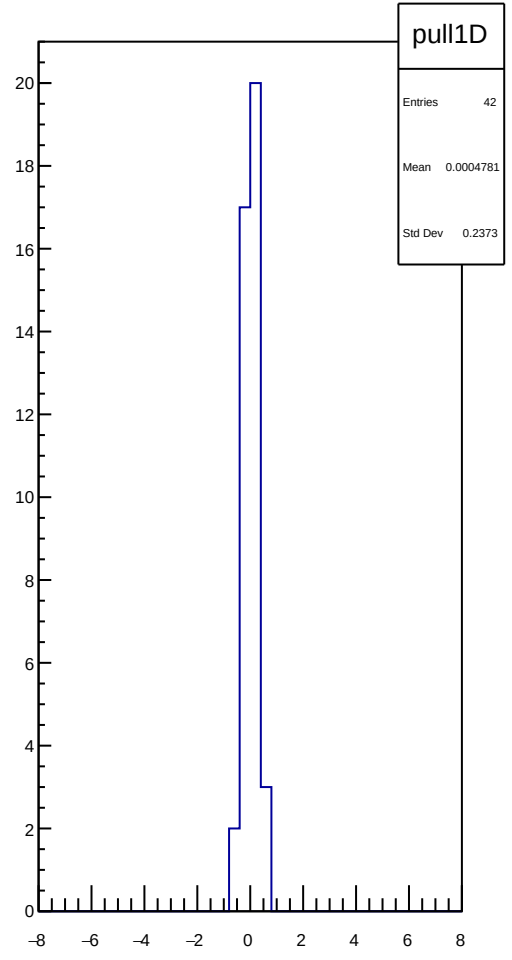

pull1D
Entries 42
Mean 0.016
Std Dev 0.3691
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

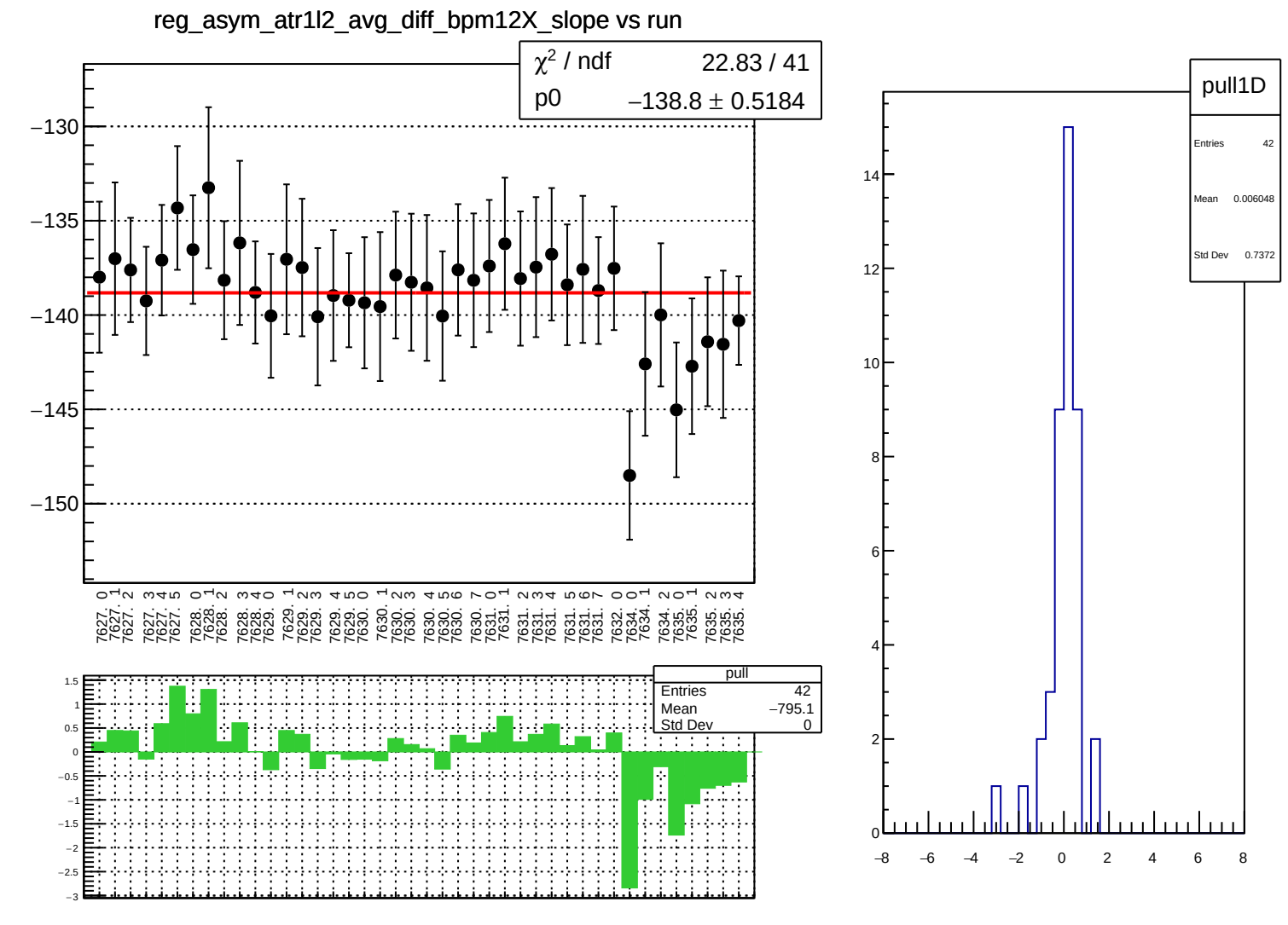

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.57 / 41
p0 33.54 ± 5.002
pull
Entries 42
Mean 1098
Std Dev 0

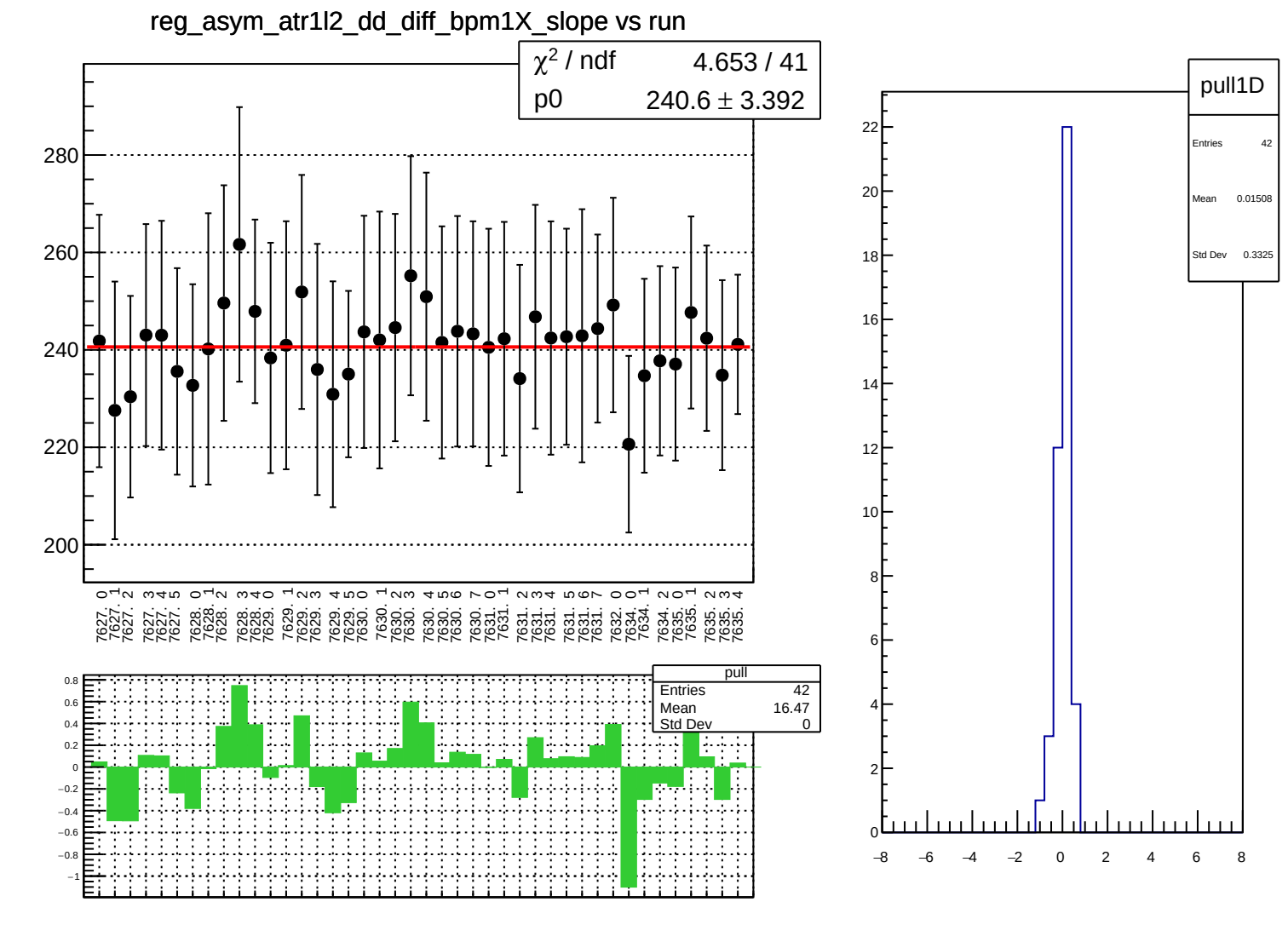

pull1D
Entries 42
Mean −0.0004736
Std Dev 0.2474

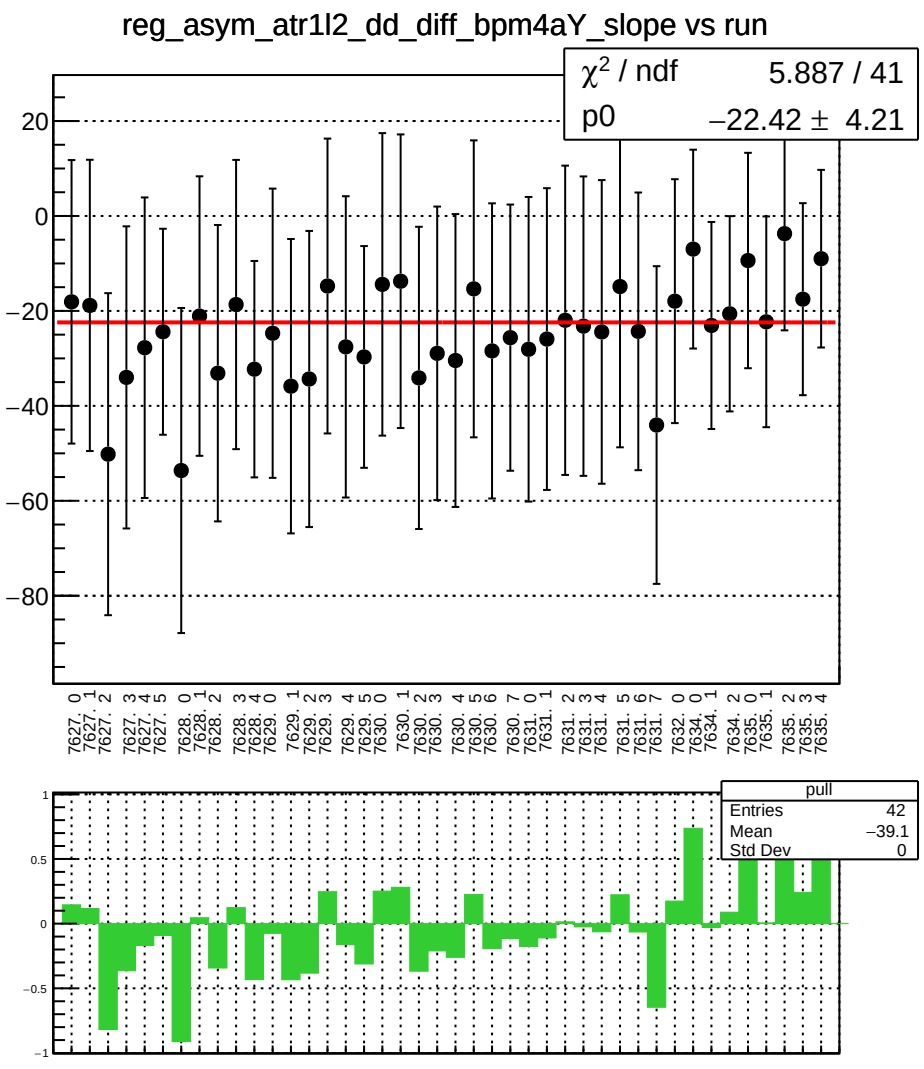

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.882 / 41
p0 222.8 ± 3.203
260
240
220
200
180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −66.07
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 42
Mean −0.02102
Std Dev 0.4042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

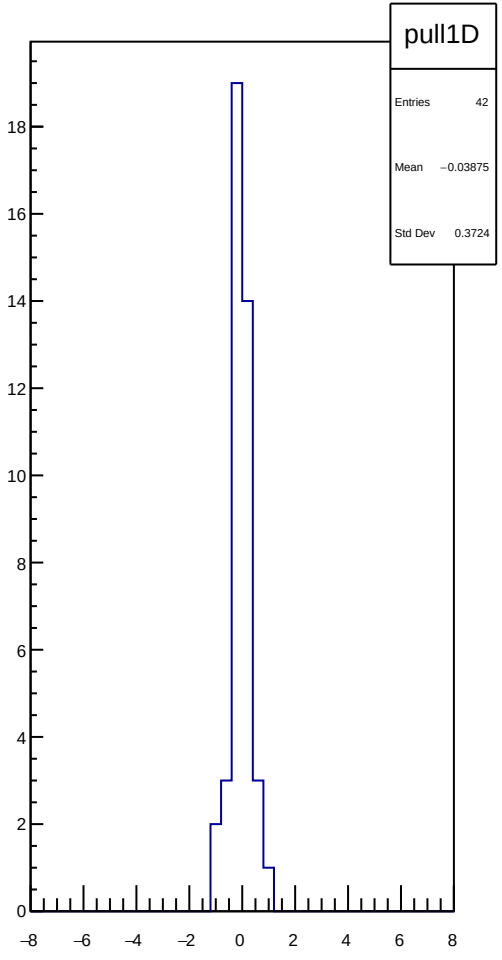

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.365 / 41
p0 27.79 ± 7.348
pull
Entries 42
Mean 916.7
Std Dev 0

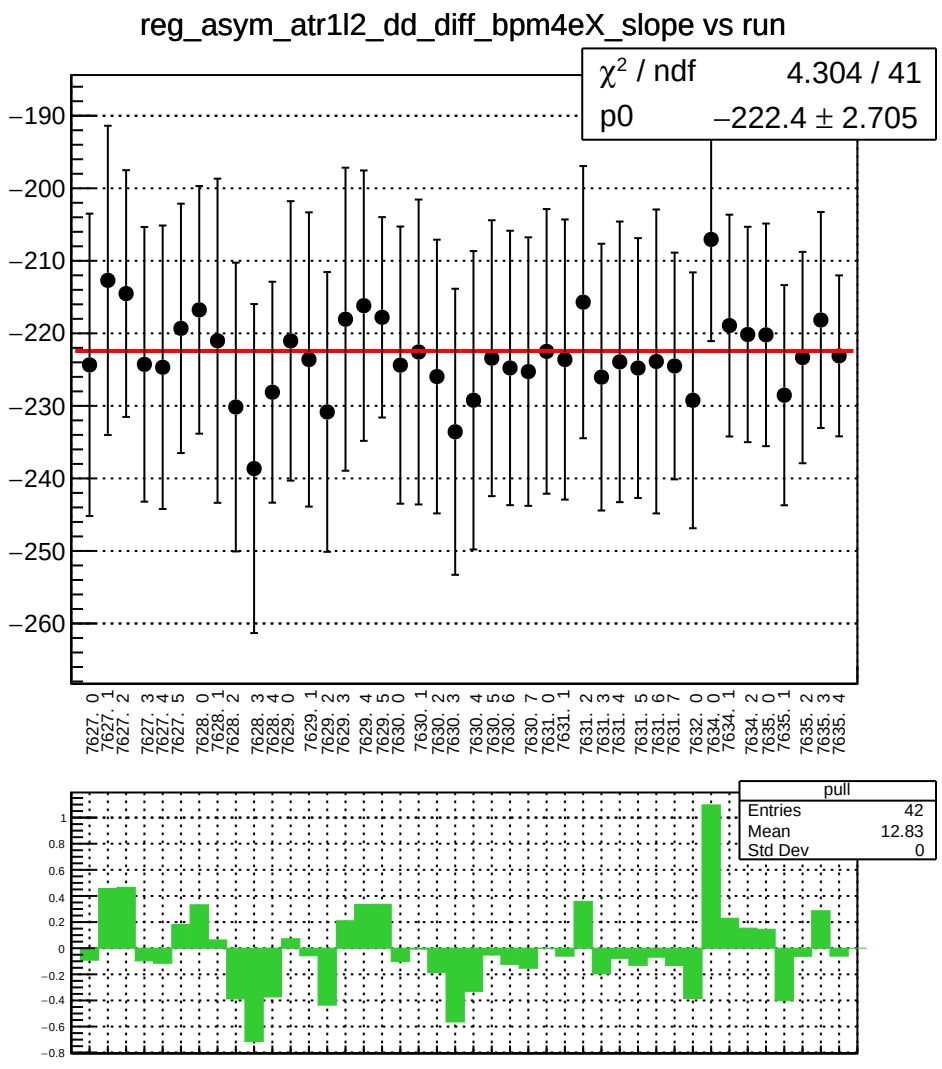

pull1D
Entries 42
Mean 0.0004781
Std Dev 0.2373

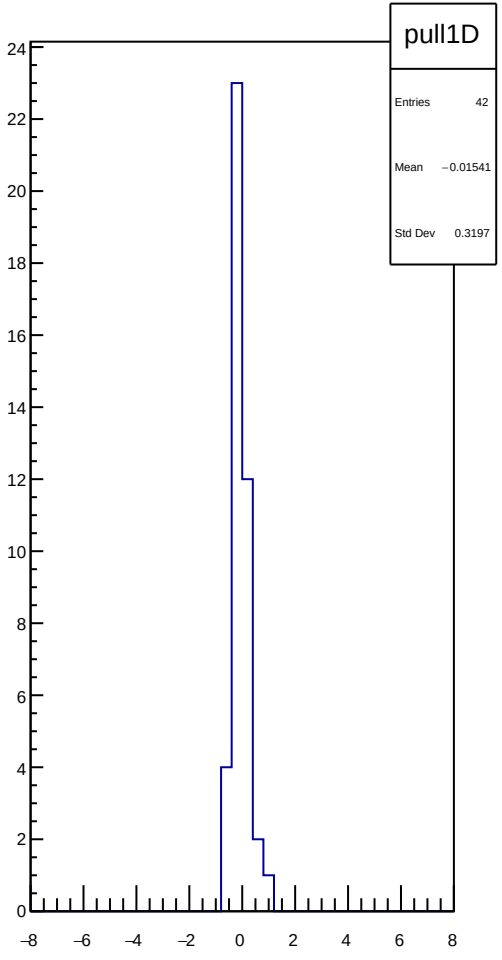

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 22.83 / 41
p0 −138.8 ± 0.5184
−130
−135
−140
−145
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −795.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 42
Mean 0.006048
Std Dev 0.7372
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

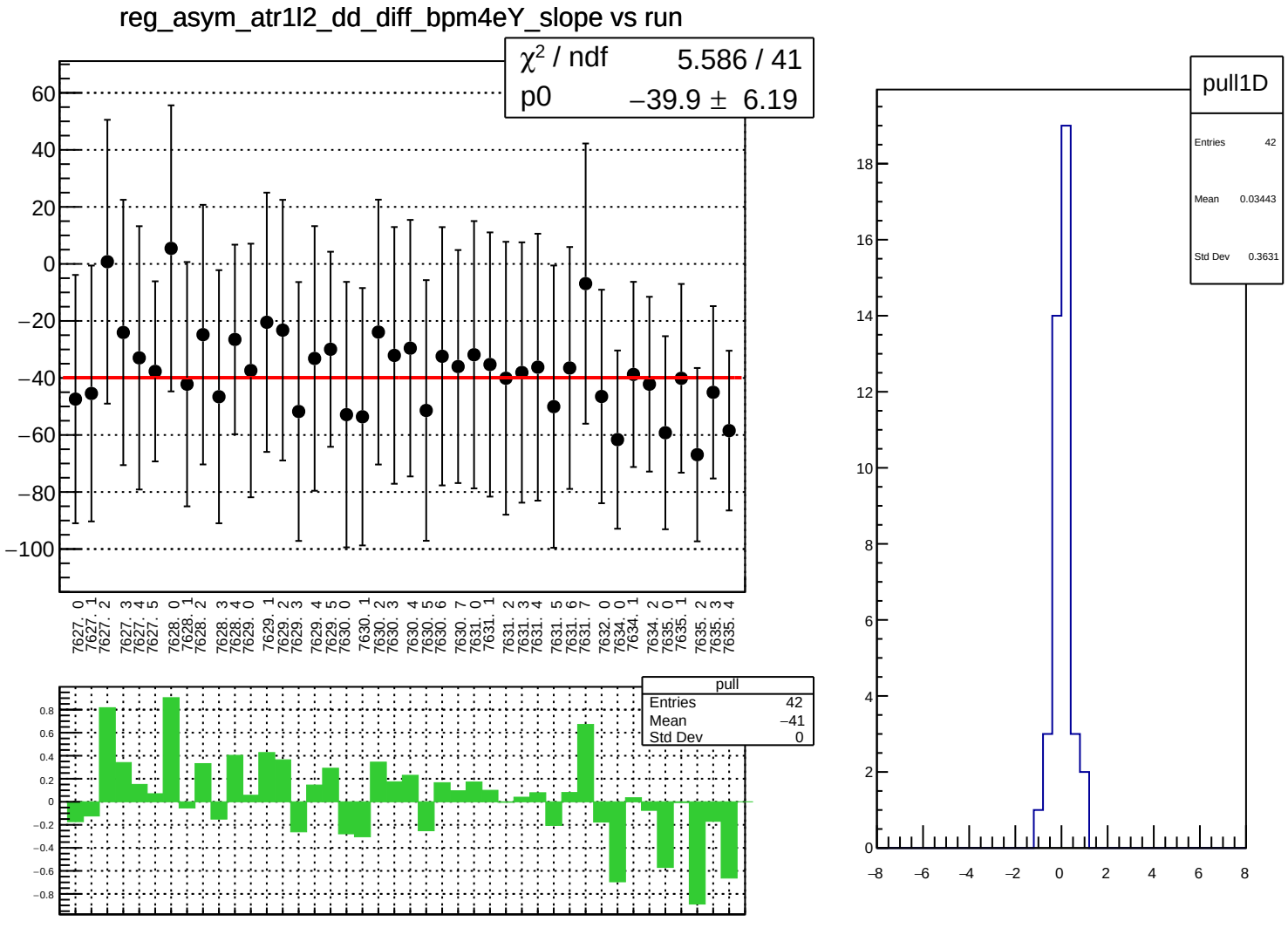

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 4.653 / 41
p0 240.6 ± 3.392
280
260
240
220
200
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 16.47
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 42
Mean 0.01508
Std Dev 0.3325
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

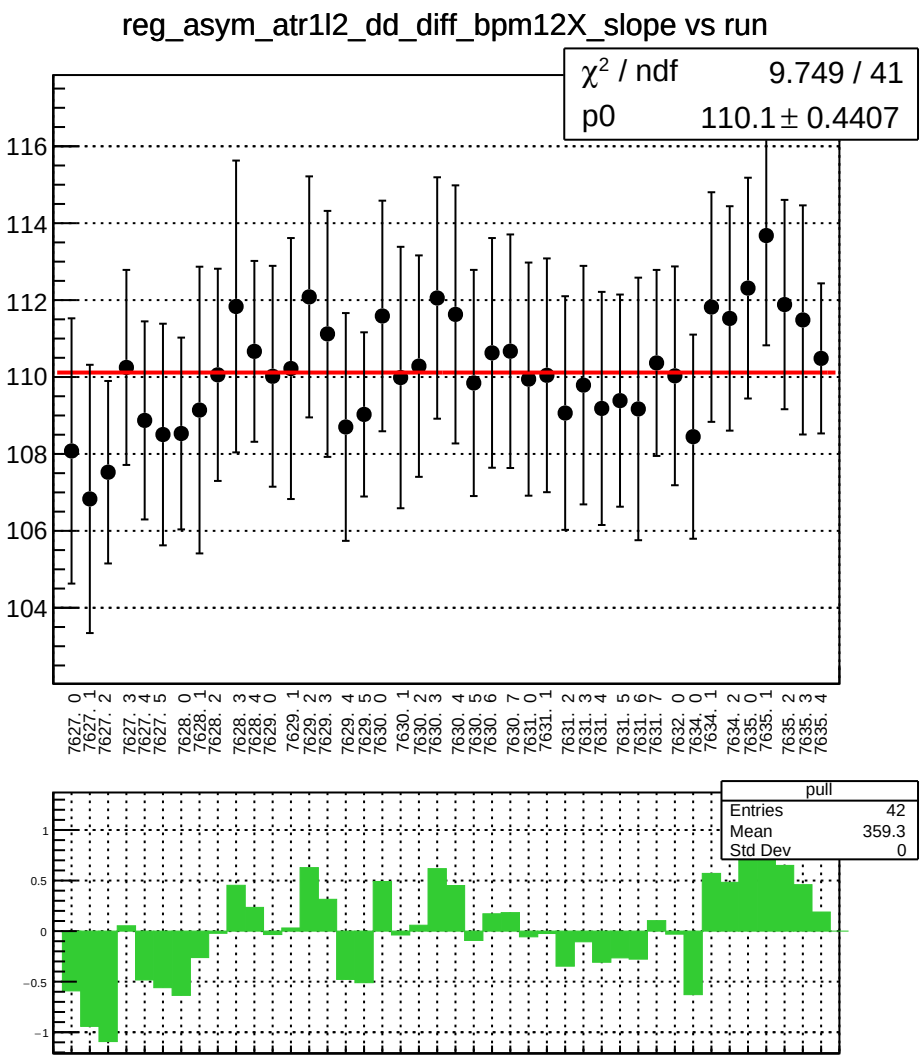

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.887 / 41
p0 −22.42 ± 4.21
20
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −39.1
Std Dev 0
1
0.5
0
−0.5
−1

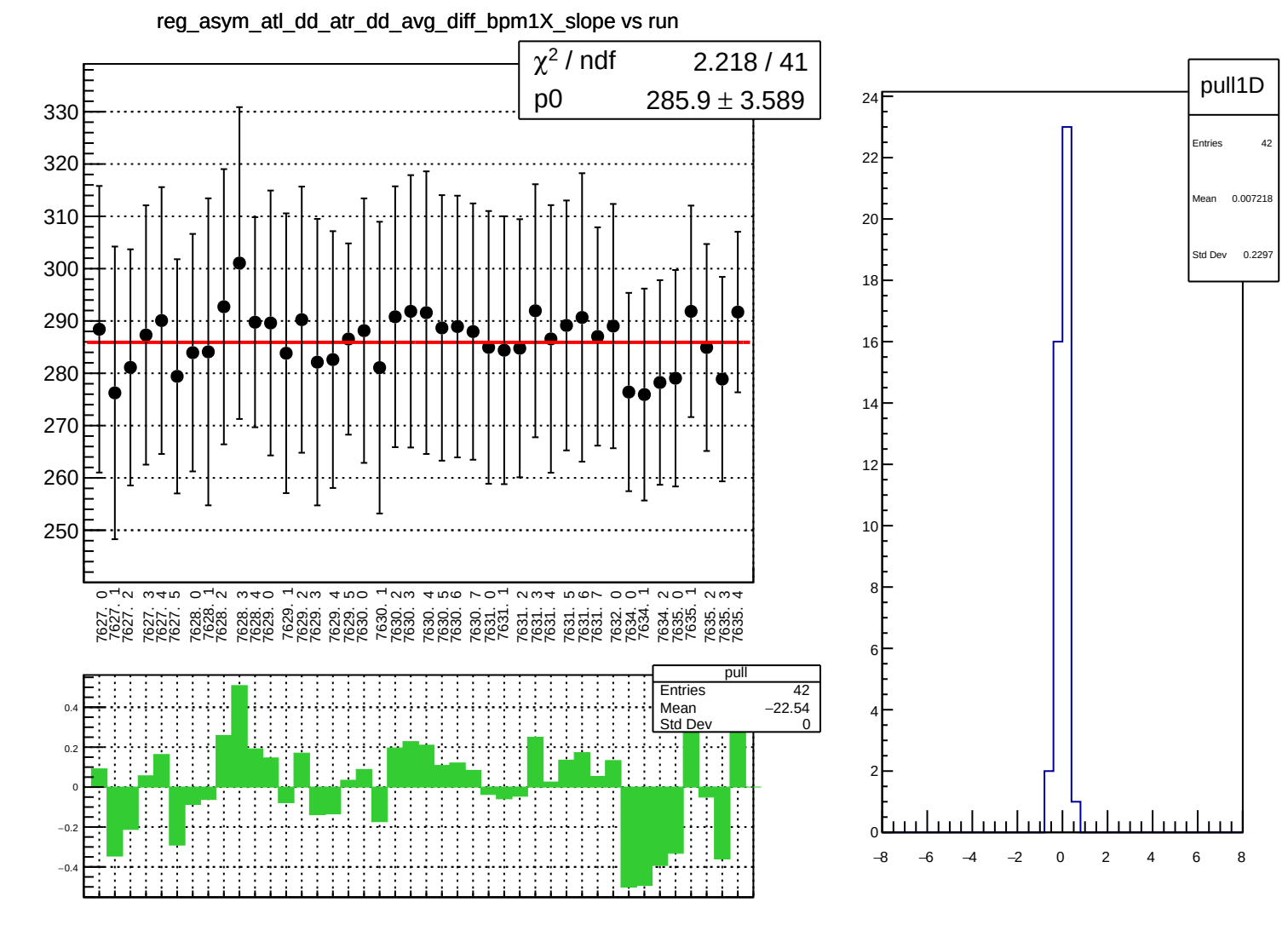

pull1D
Entries 42
Mean −0.03875
Std Dev 0.3724
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

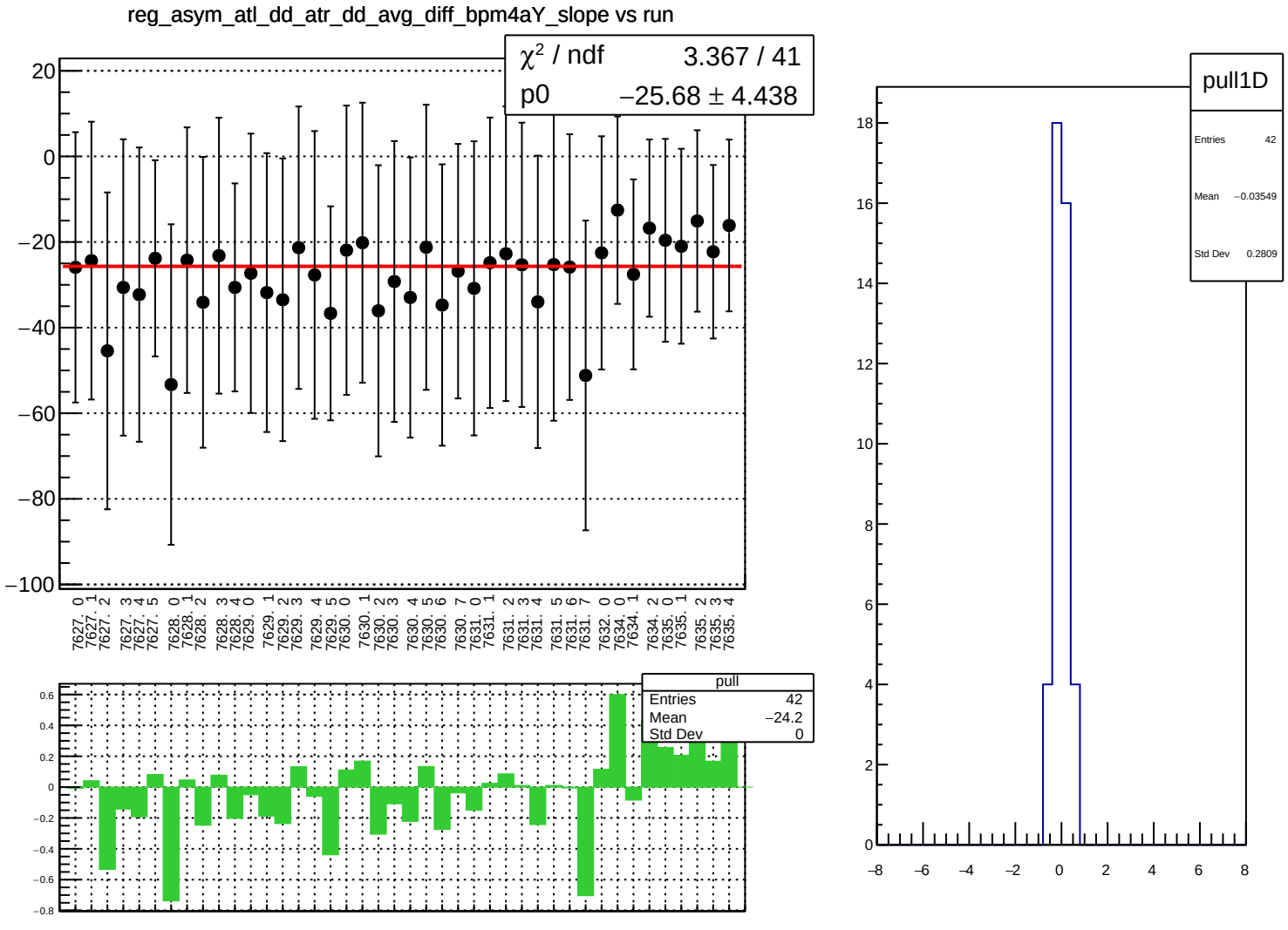

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.304 / 41
p0 −222.4 ± 2.705
−190
−200
−210
−220
−230
−240
−250
−260
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 12.83
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

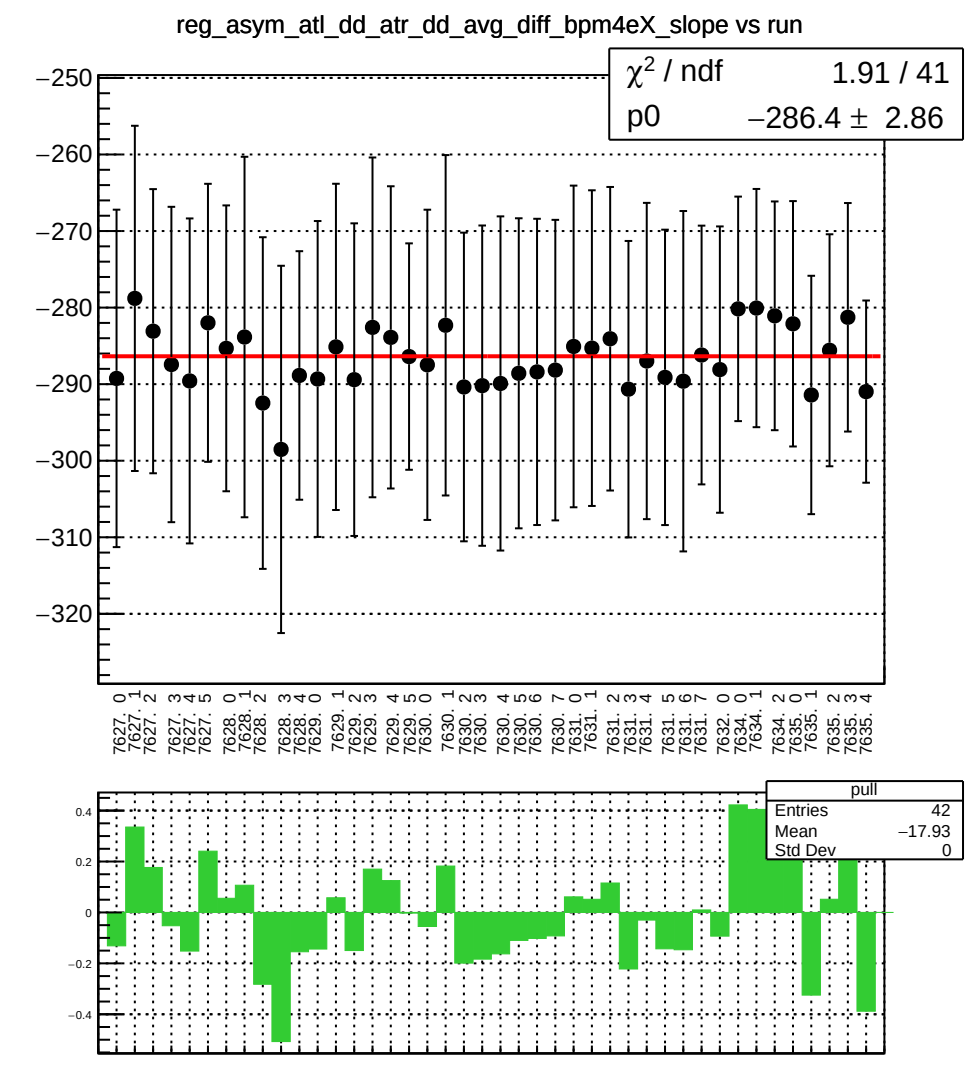

pull1D
Entries 42
Mean −0.01541
Std Dev 0.3197
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

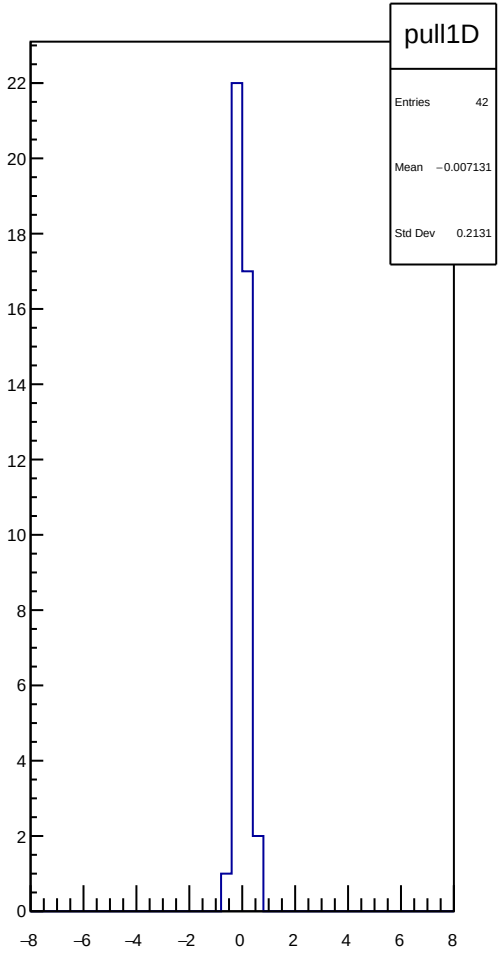

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.586 / 41
p0 −39.9 ± 6.19
pull
Entries 42
Mean −41
Std Dev 0
pull1D
Entries 42
Mean 0.03443
Std Dev 0.3631

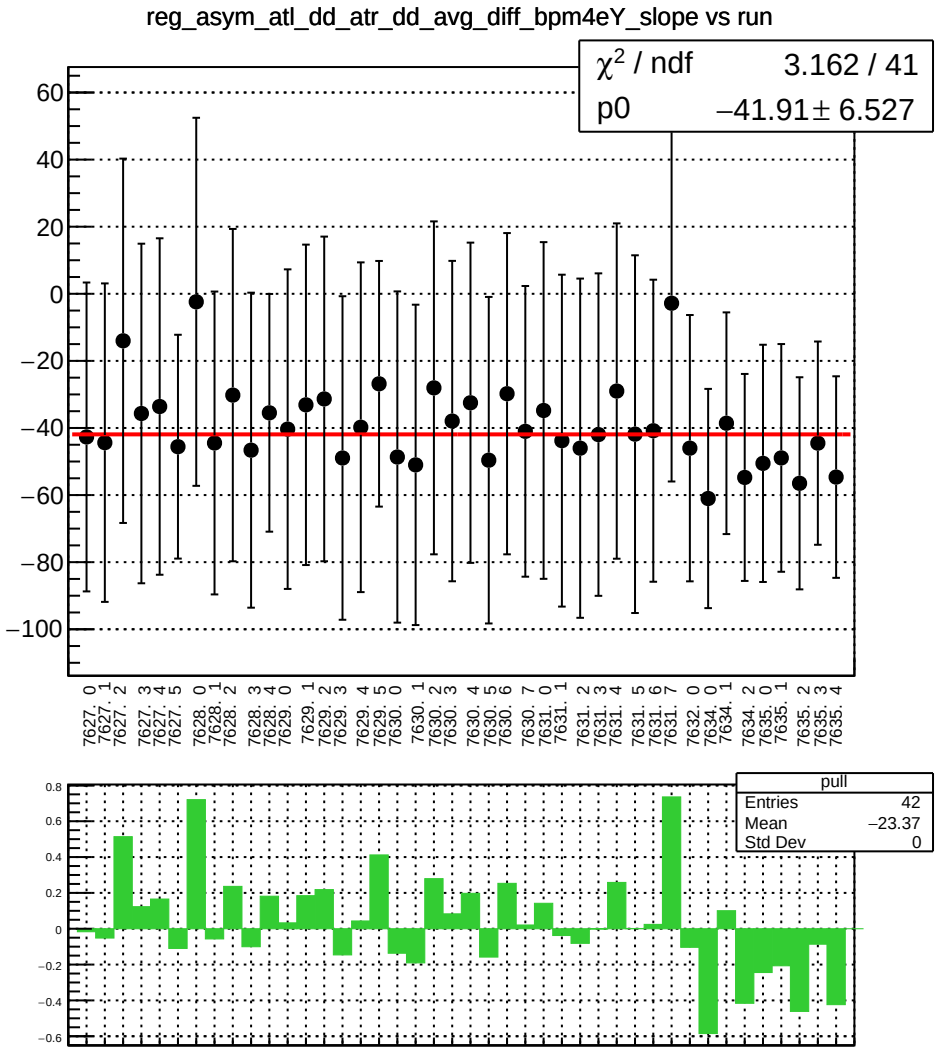

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 9.749 / 41
p0 110.1 ± 0.4407
116
114
112
110
108
106
104
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 359.3
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 42
Mean 0.008801
Std Dev 0.4817
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 2.218 / 41
p0 285.9 ± 3.589
330
320
310
300
290
280
270
260
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.54
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean 0.007218
Std Dev 0.2297
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

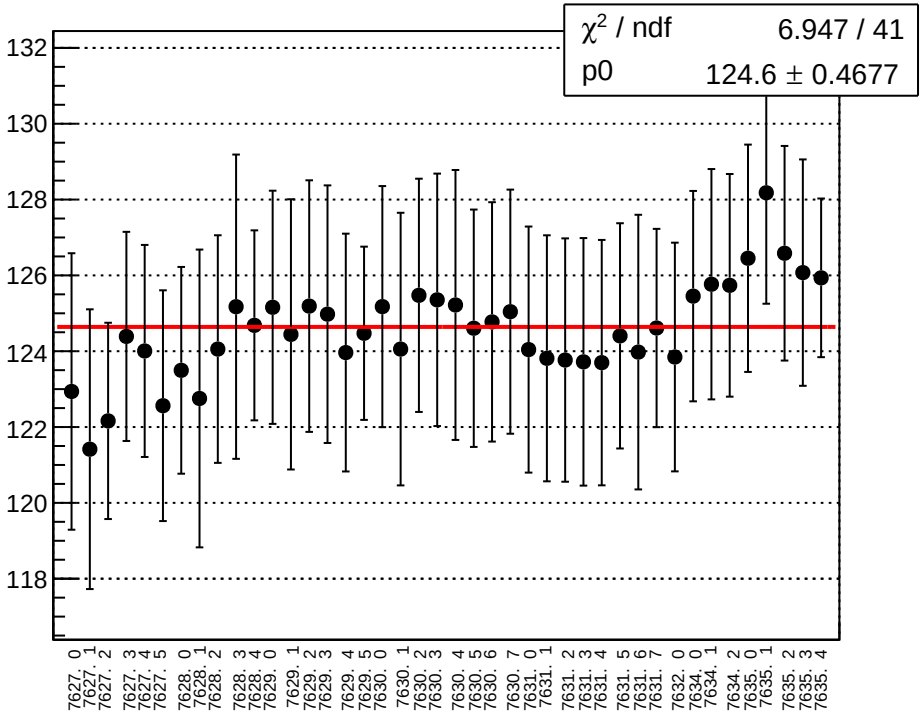

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.367 / 41
p0 −25.68 ± 4.438
20
0
−20
−40
−60
−80
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −24.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 42
Mean −0.03549
Std Dev 0.2809
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

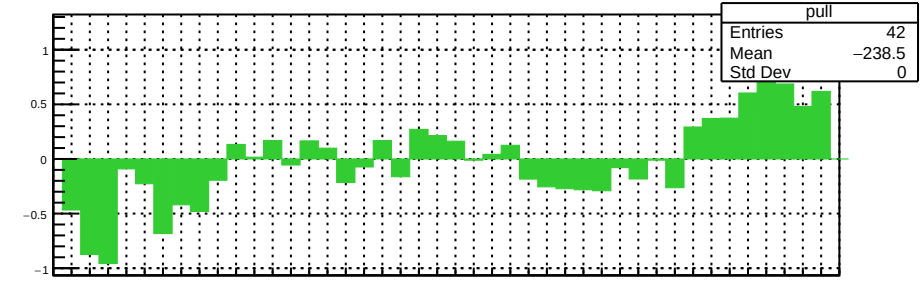

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.91 / 41
p0 −286.4 ± 2.86
−250
−260
−270
−280
−290
−300
−310
−320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −17.93
Std Dev 0
0.4
0.2
0
−0.2
−0.4

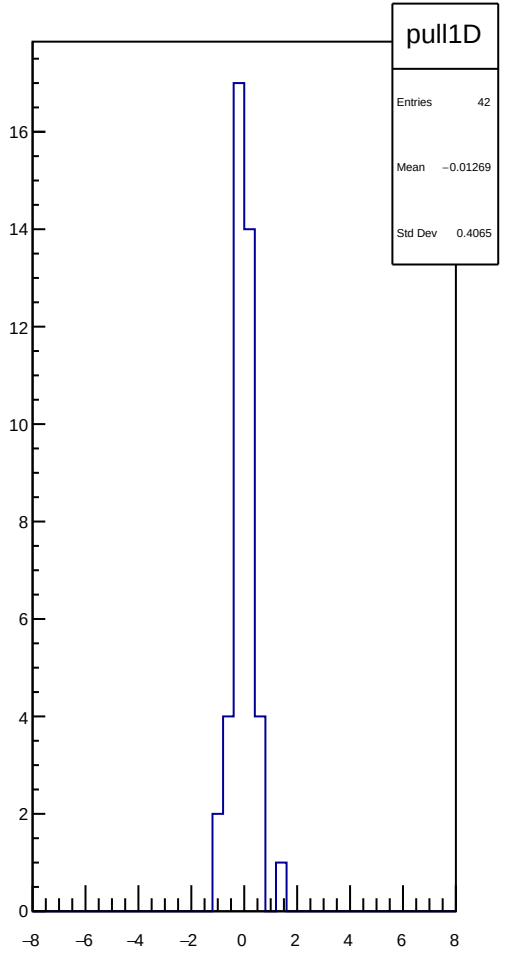

pull1D
Entries 42
Mean −0.007131
Std Dev 0.2131
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

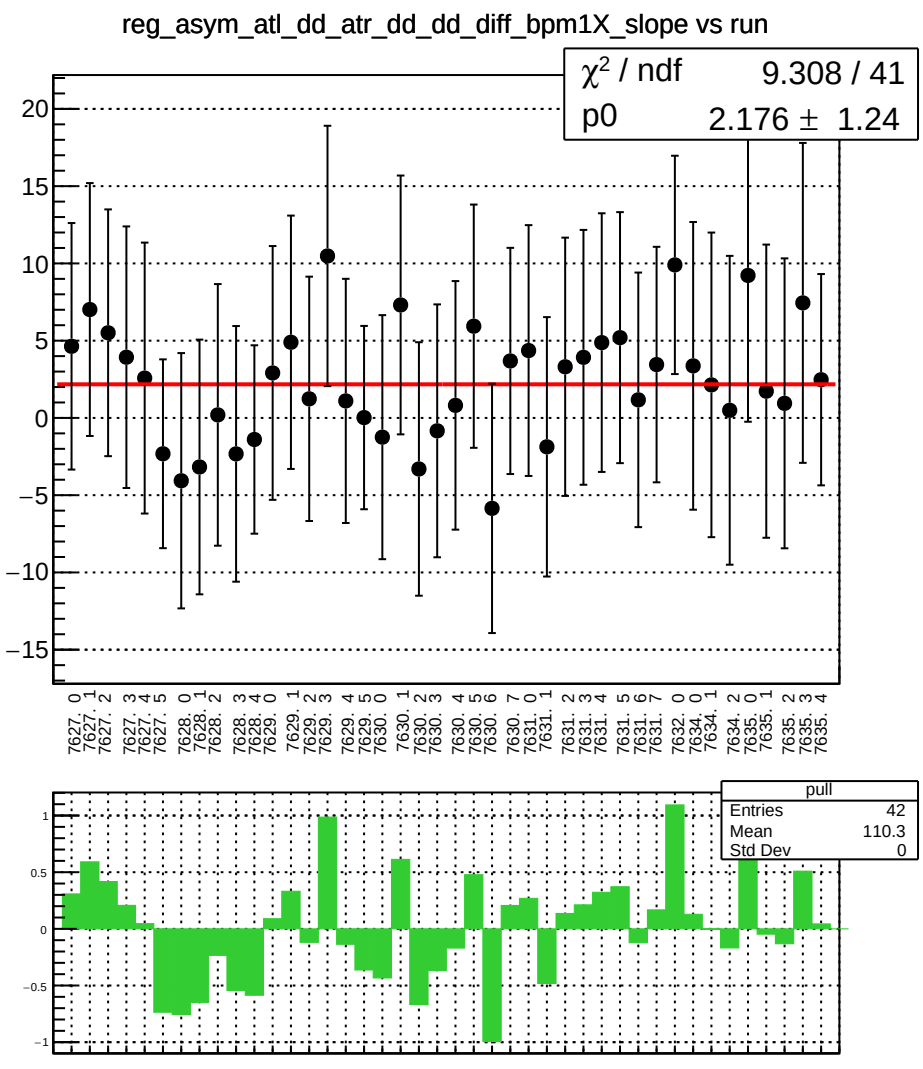

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.162 / 41
p0 −41.91 ± 6.527
pull
Entries 42
Mean −23.37
Std Dev 0
pull1D
Entries 42
Mean 0.03125
Std Dev 0.2726

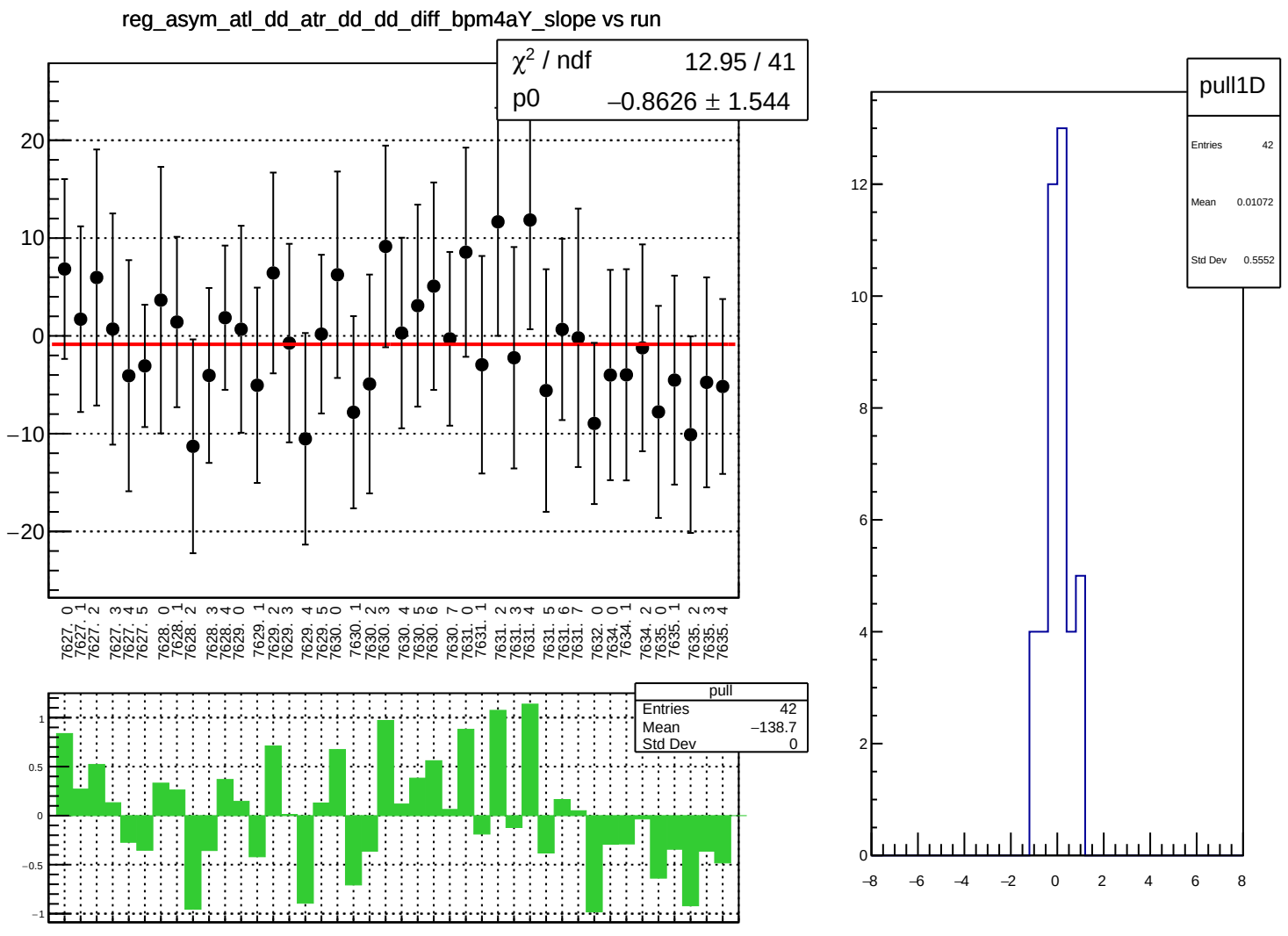
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run

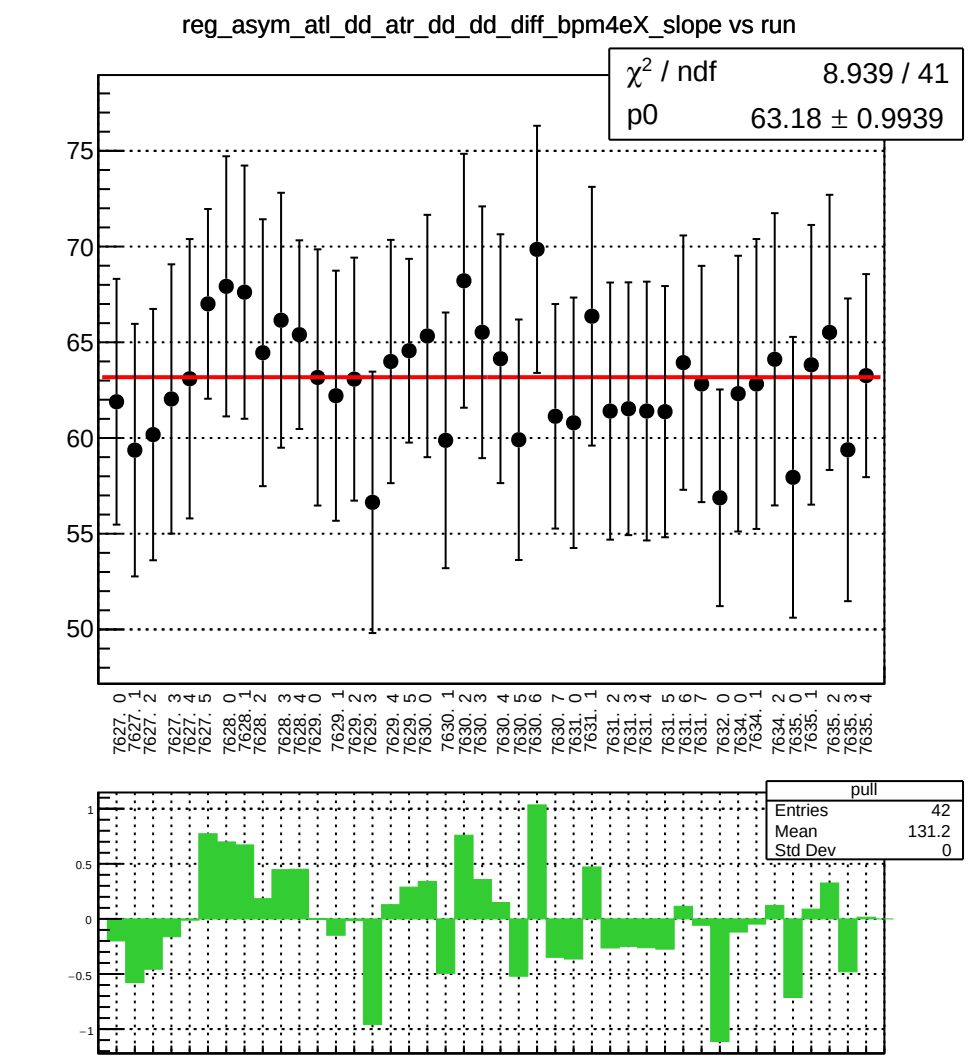


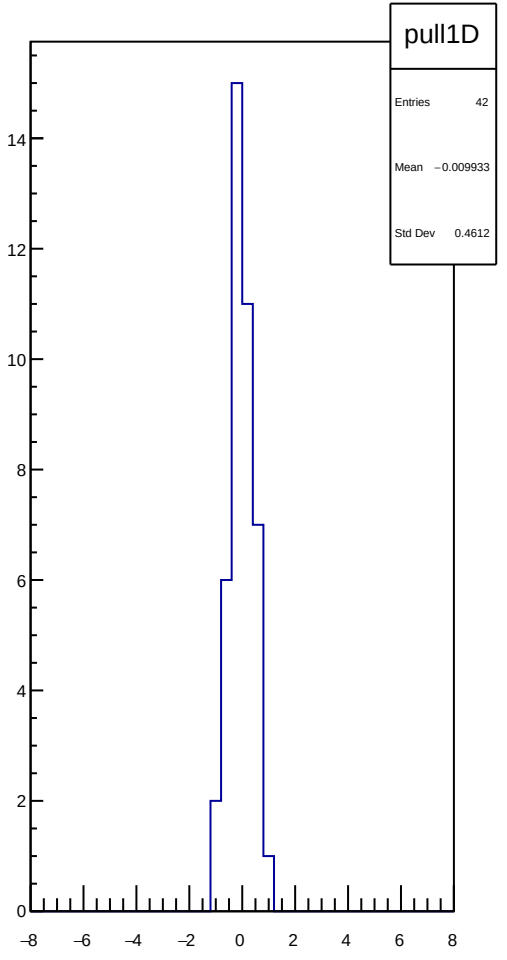


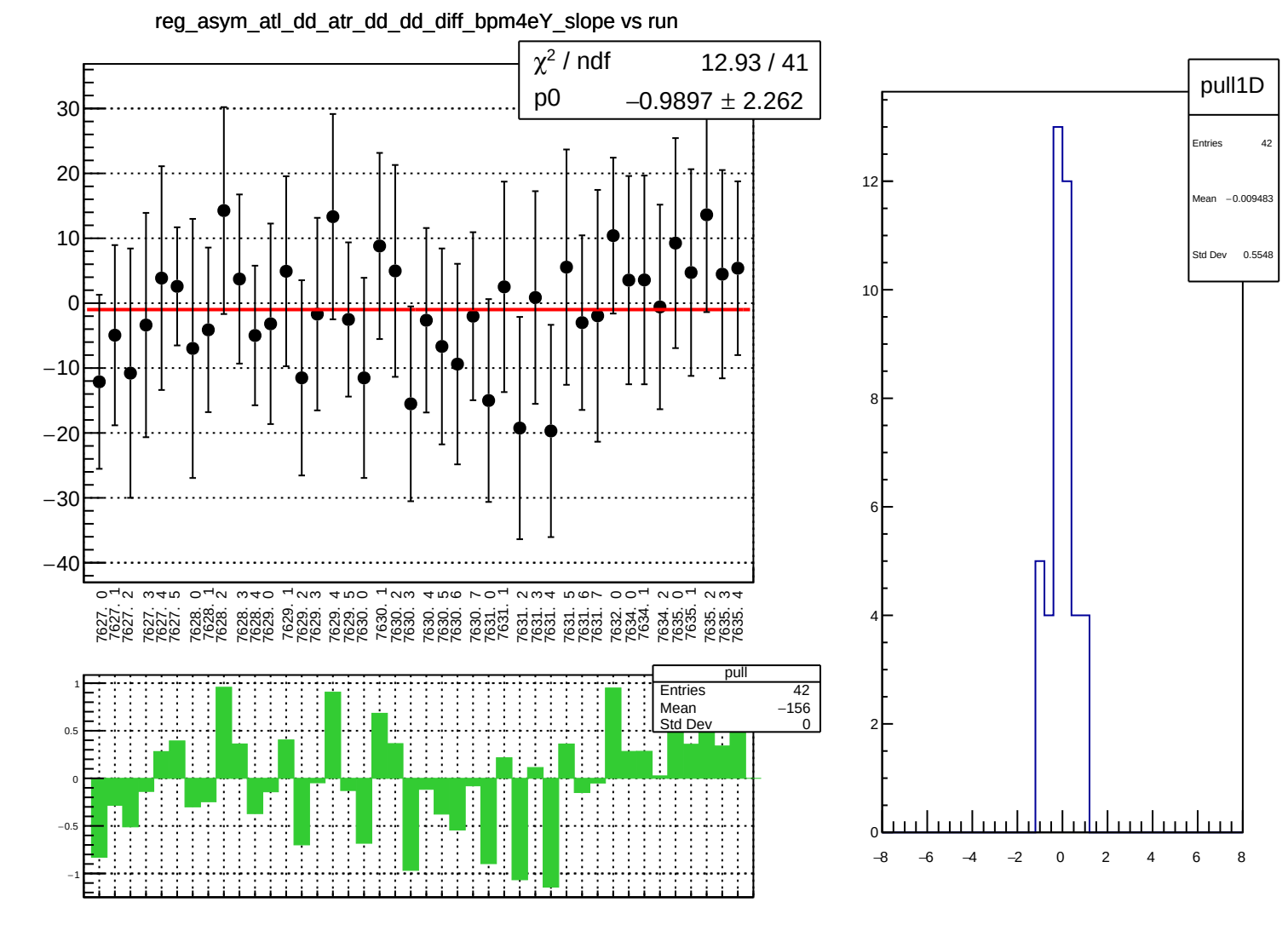


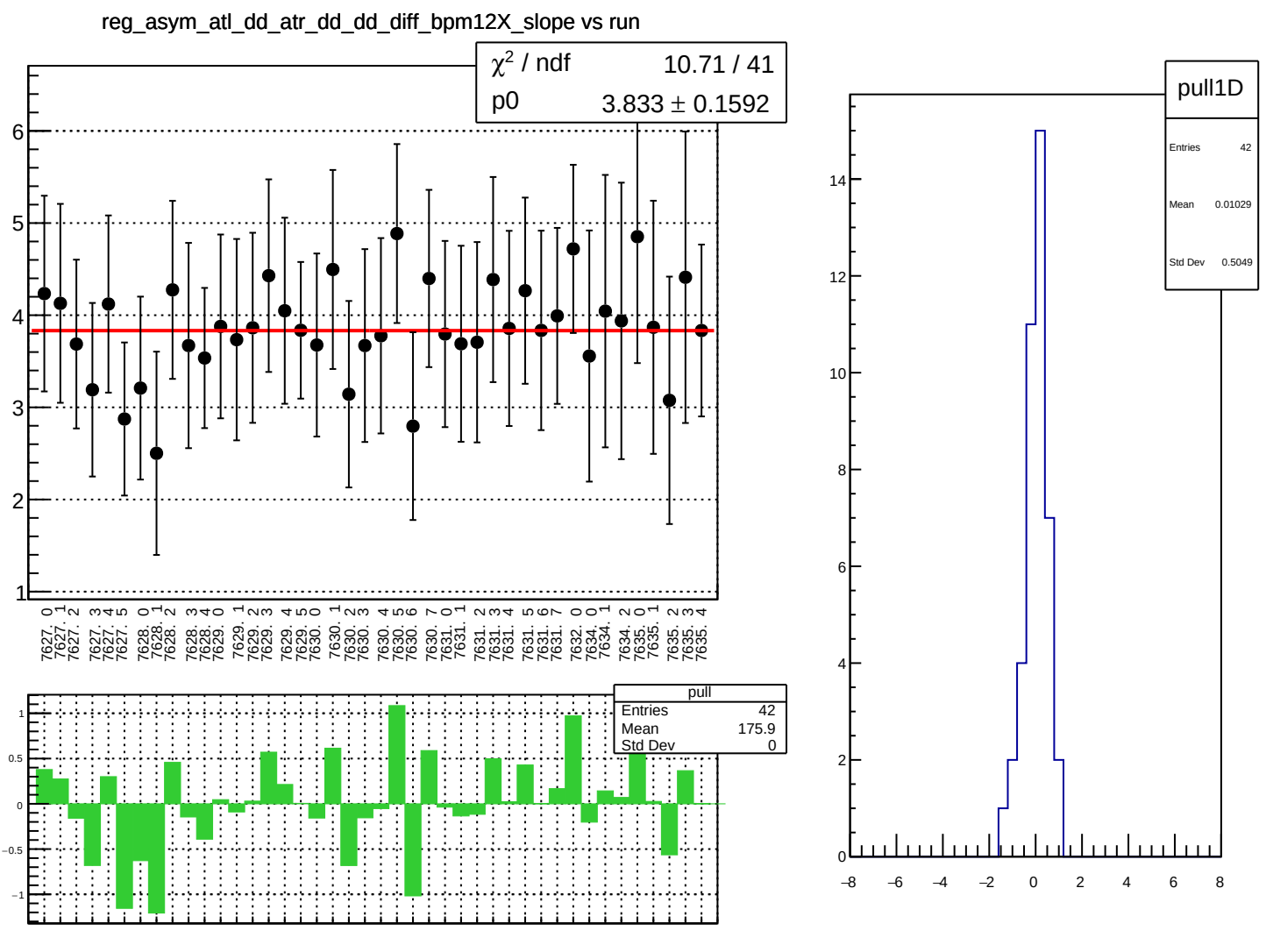

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 9.308 / 41
p0 2.176 ± 1.24
pull
Entries 42
Mean 110.3
Std Dev 0
pull1D
Entries 42
Mean 0.01339
Std Dev 0.4706

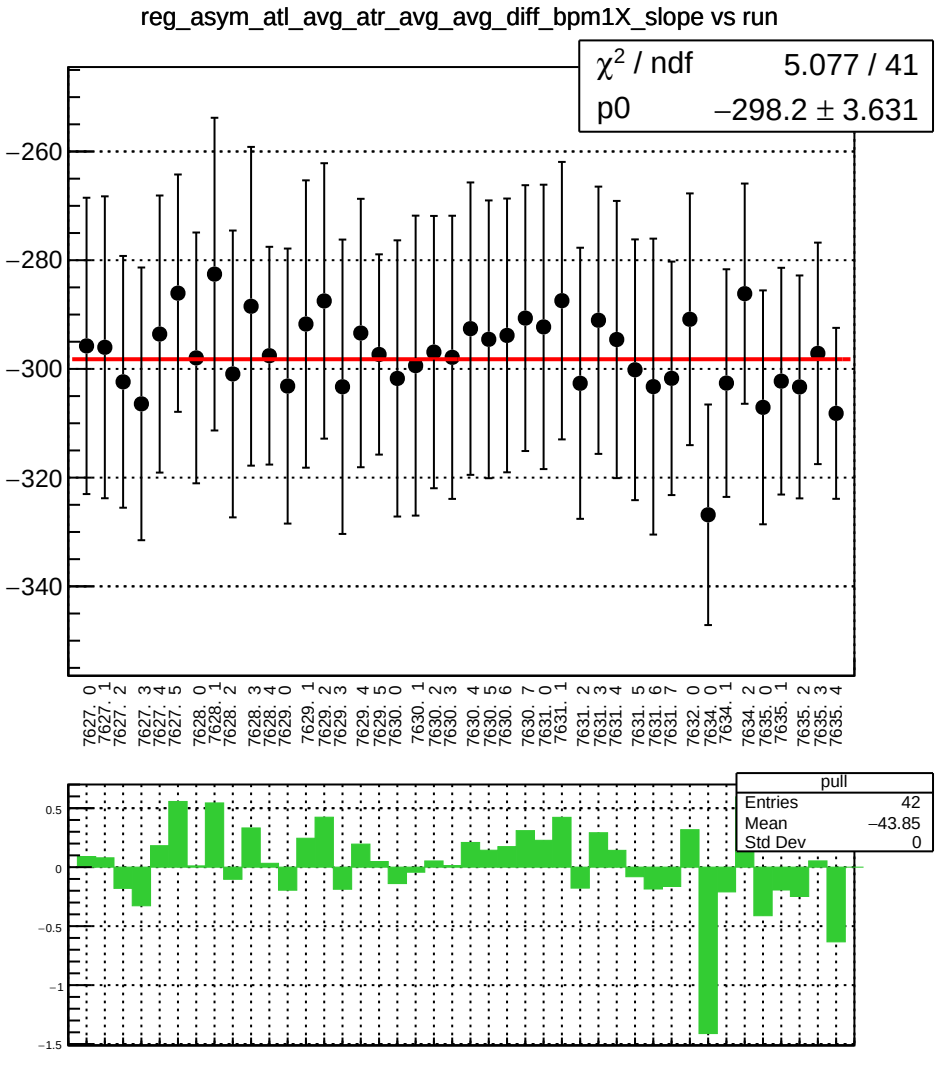

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.95 / 41
p0 −0.8626 ± 1.544
pull
Entries 42
Mean −138.7
Std Dev 0
pull1D
Entries 42
Mean 0.01072
Std Dev 0.5552

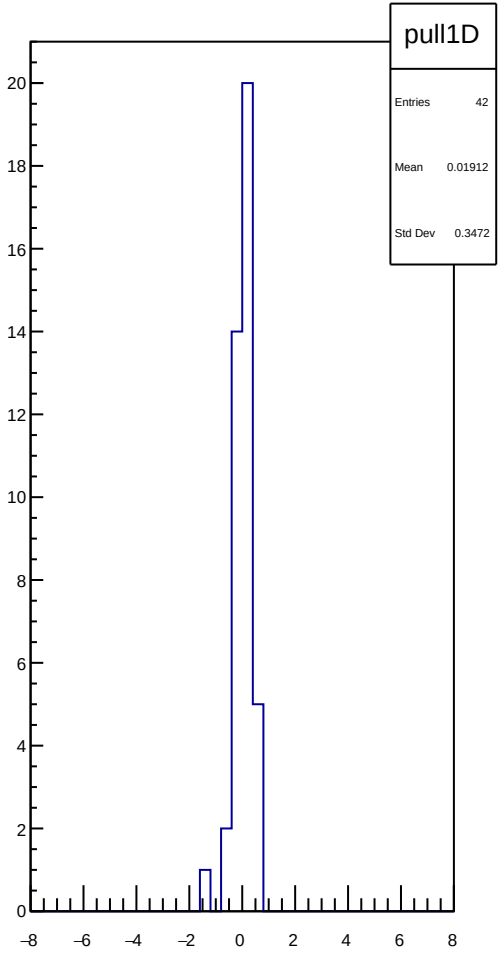

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.939 / 41
p0 63.18 ± 0.9939
75
70
65
60
55
50
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 131.2
Std Dev 0
1
0.5
0
−0.5
−1

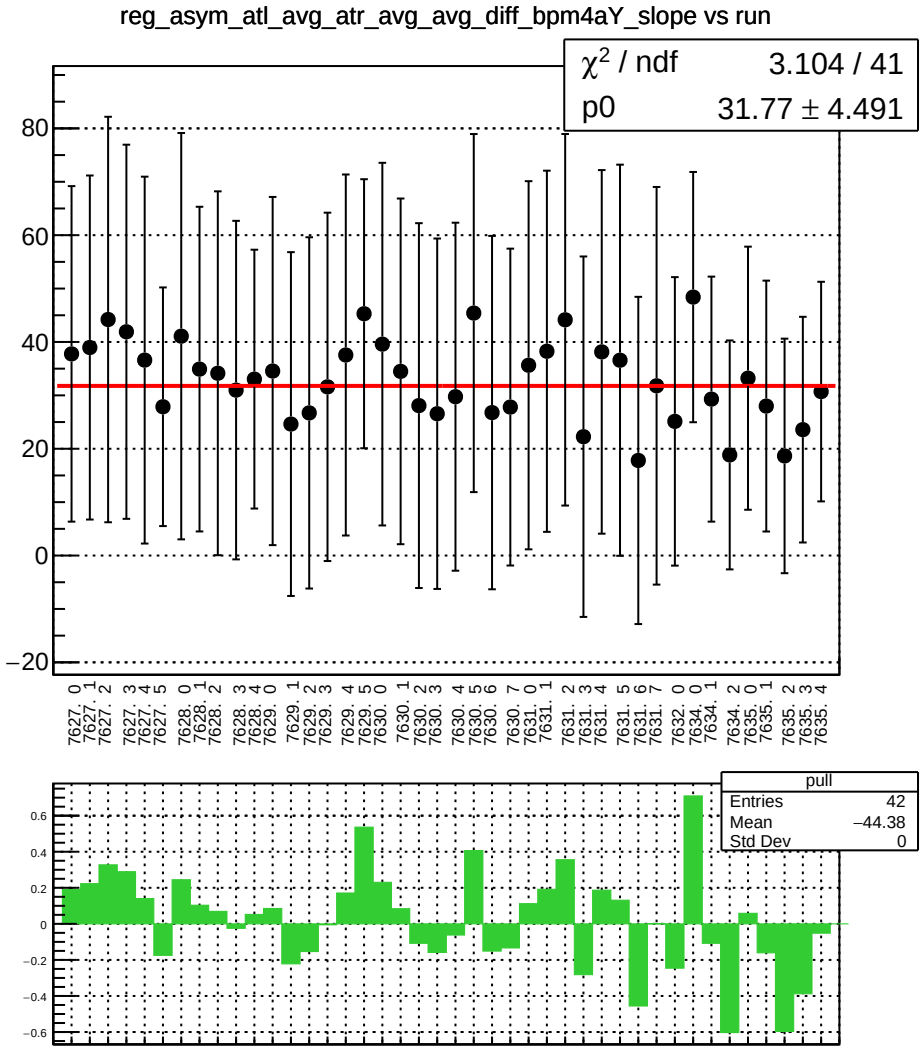

pull1D
Entries 42
Mean −0.009933
Std Dev 0.4612
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

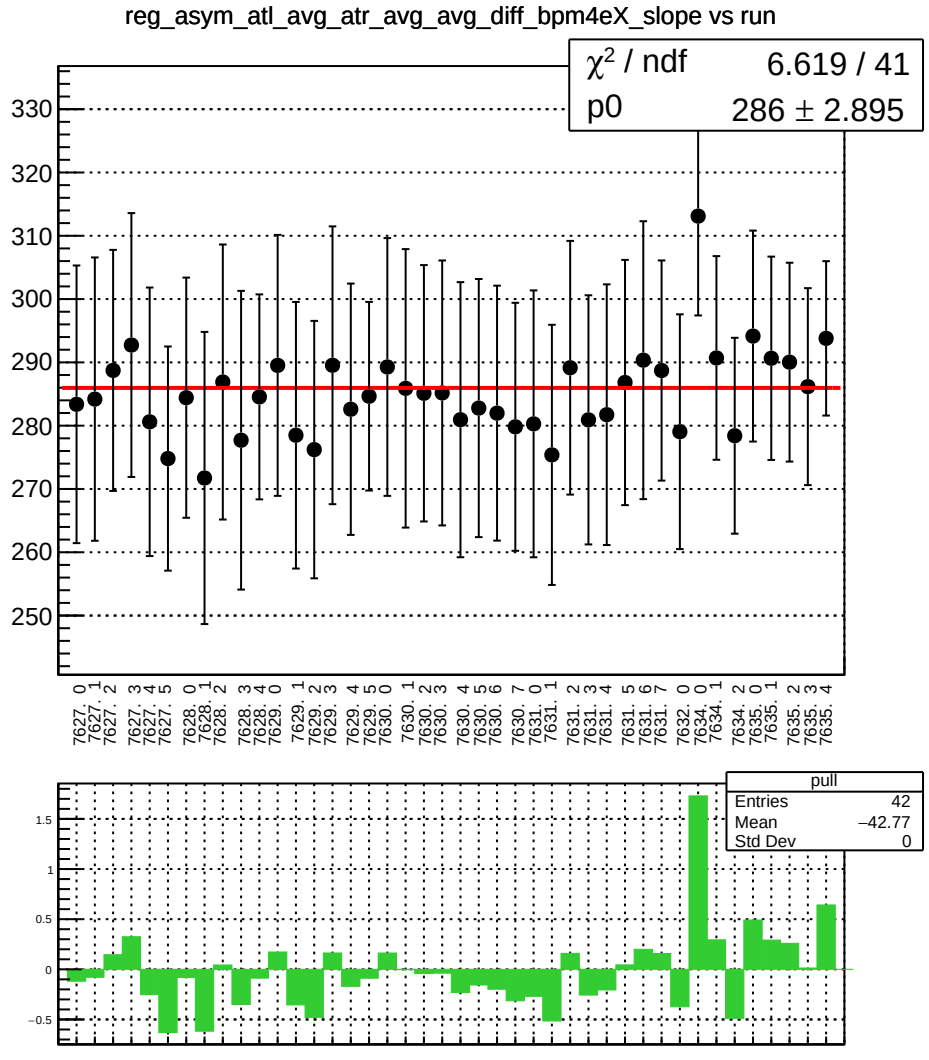

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.93 / 41
p0 −0.9897 ± 2.262
pull
Entries 42
Mean −156
Std Dev 0
pull1D
Entries 42
Mean −0.009483
Std Dev 0.5548

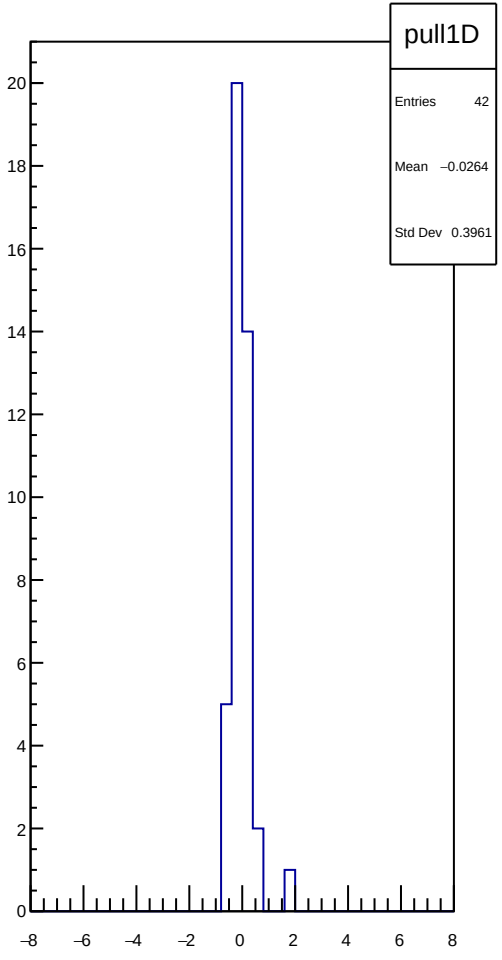

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 10.71 / 41
p0 3.833 ± 0.1592
pull
Entries 42
Mean 175.9
Std Dev 0
pull1D
Entries 42
Mean 0.01029
Std Dev 0.5049

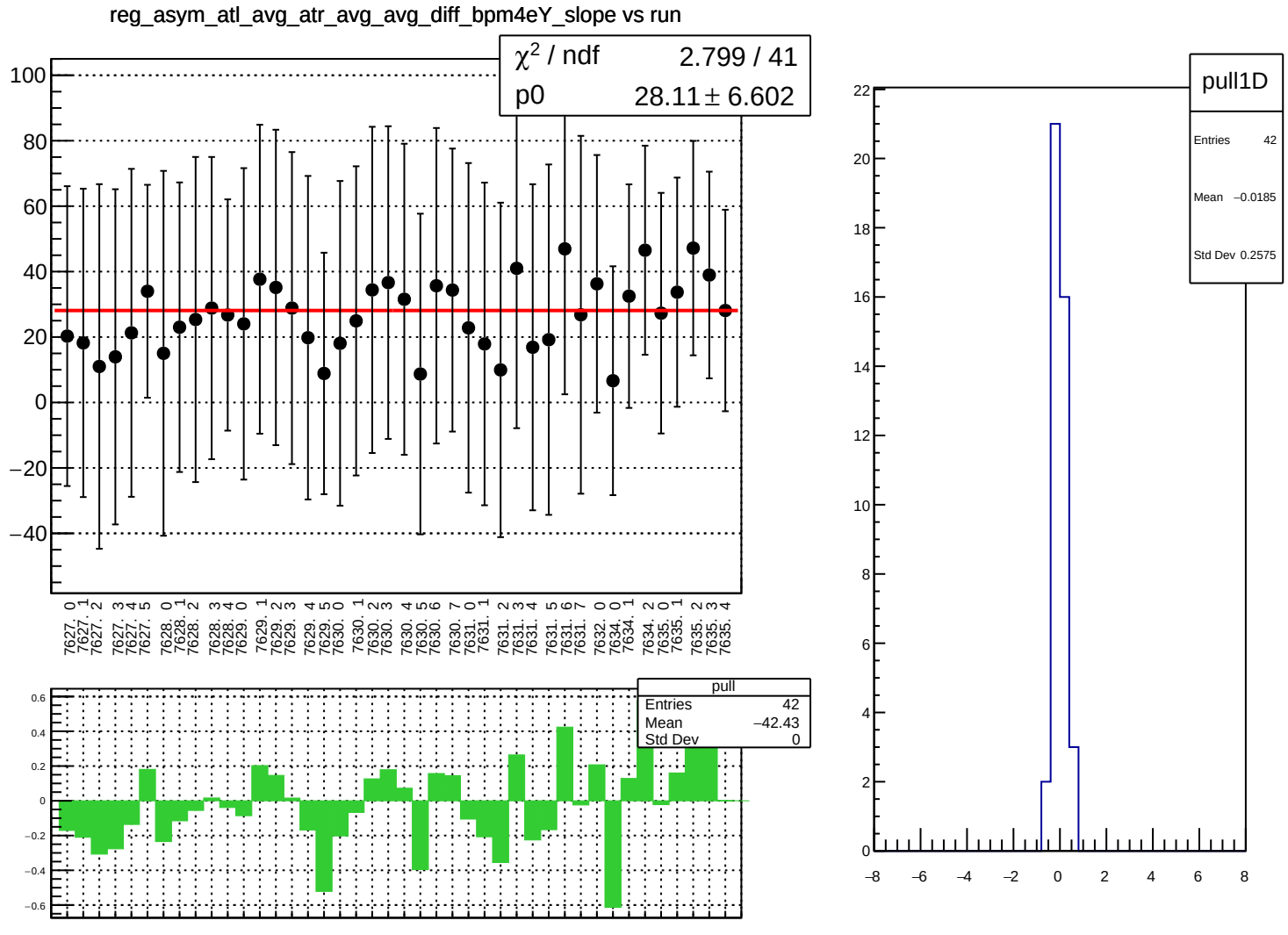

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 5.077 / 41
p0 −298.2 ± 3.631
−260
−280
−300
−320
−340
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −43.85
Std Dev 0
0.5
0
−0.5
−1
−1.5

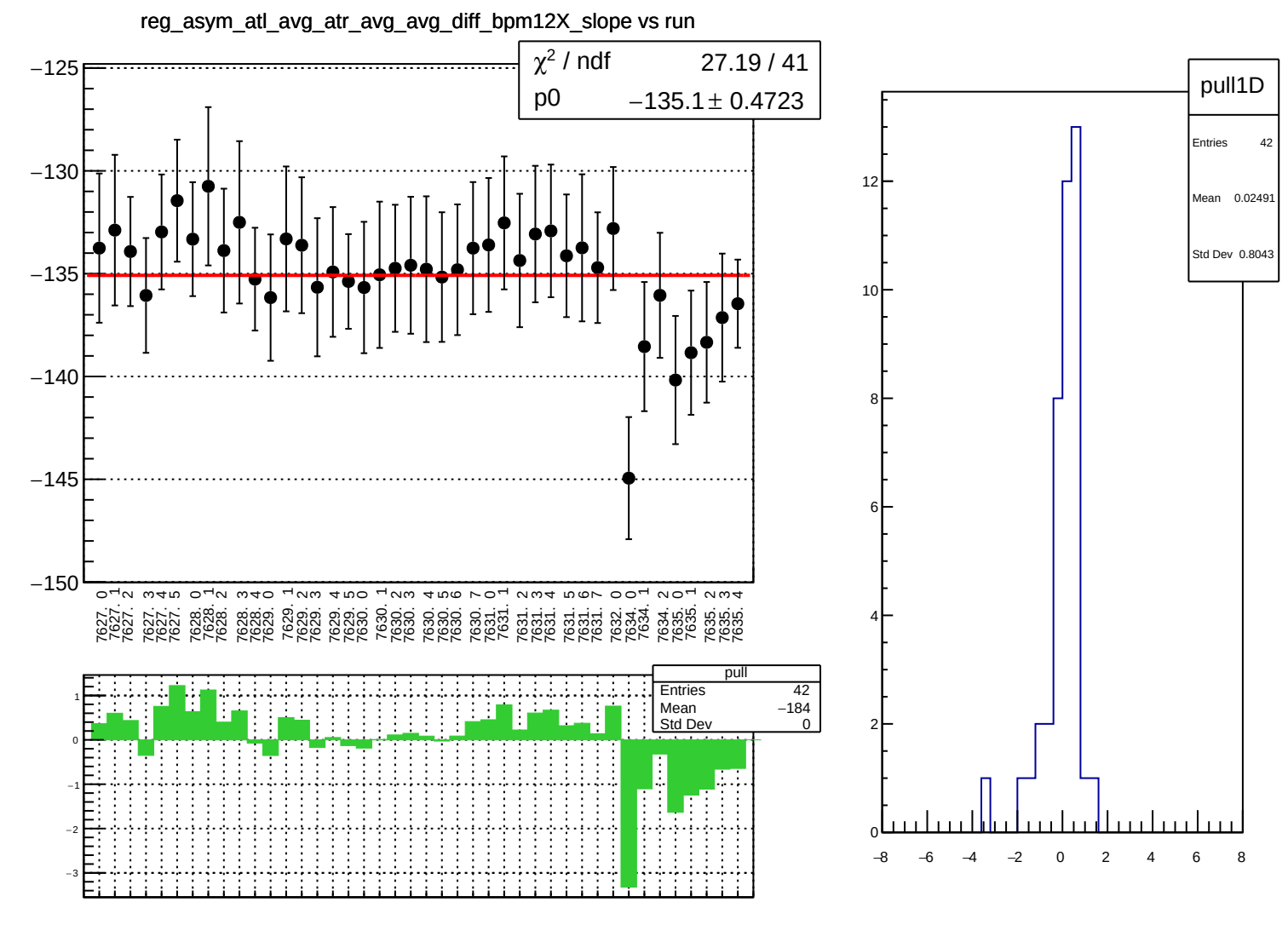

pull1D
Entries 42
Mean 0.01912
Std Dev 0.3472
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

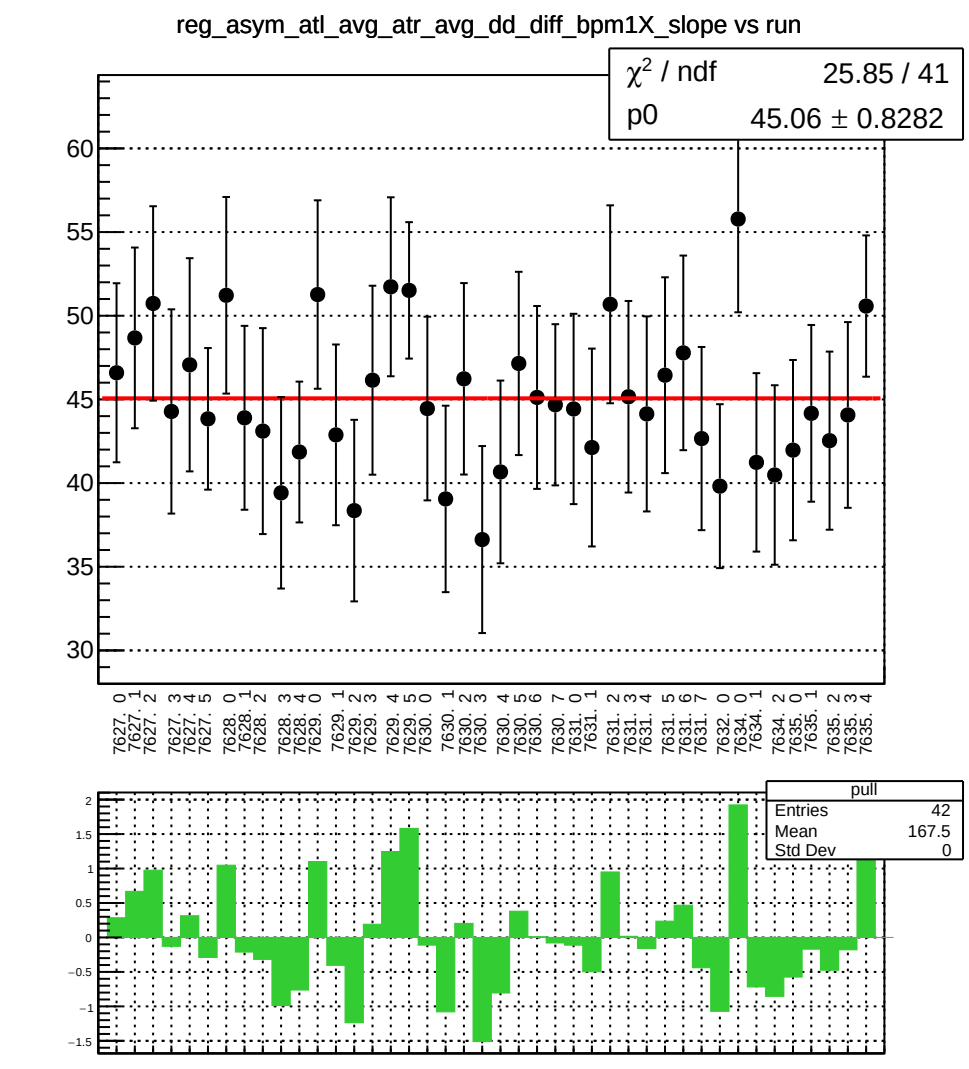

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.104 / 41
p0 31.77 ± 4.491
pull
Entries 42
Mean −44.38
Std Dev 0
pull1D
Entries 42
Mean 0.01941
Std Dev 0.2712

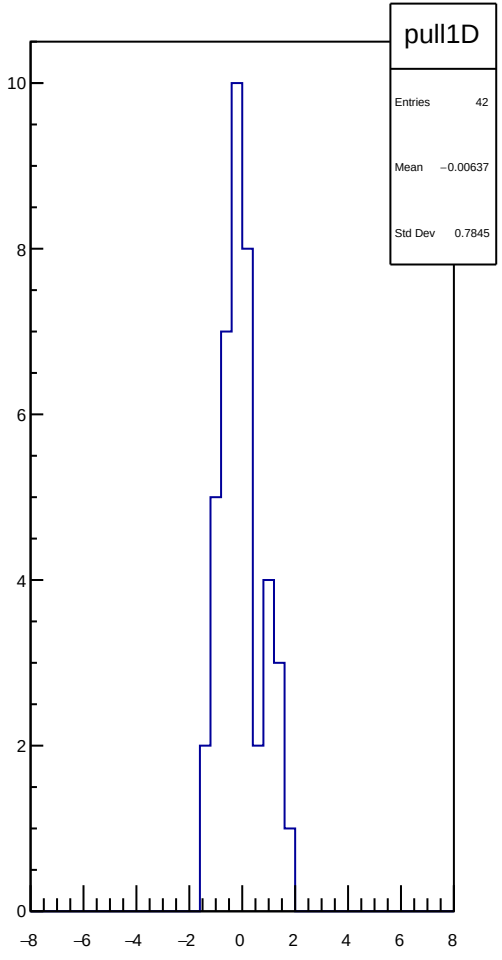

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.619 / 41
p0 286 ± 2.895
330
320
310
300
290
280
270
260
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −42.77
Std Dev 0
1.5
1
0.5
0
−0.5

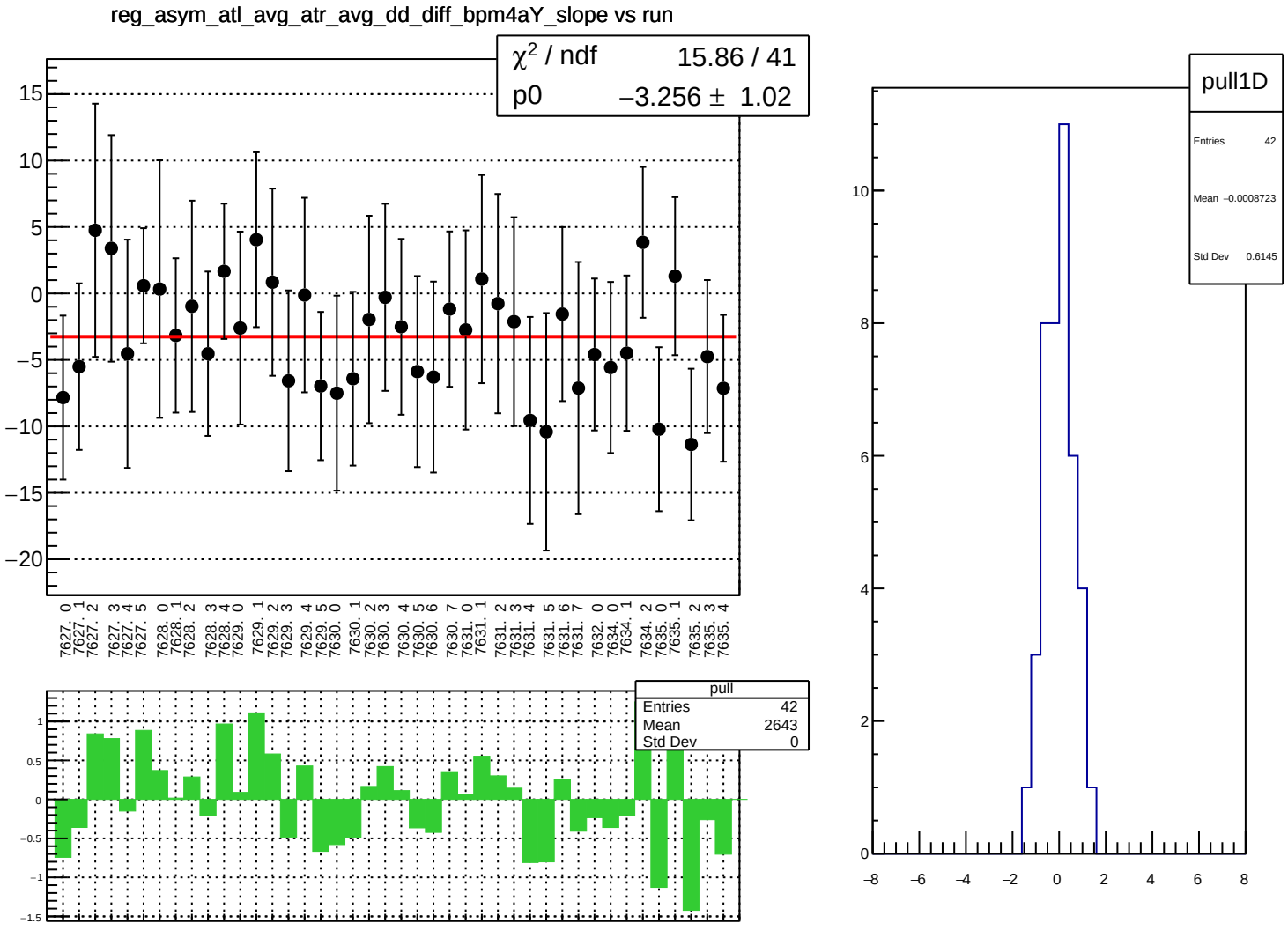

pull1D
Entries 42
Mean −0.0264
Std Dev 0.3961
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

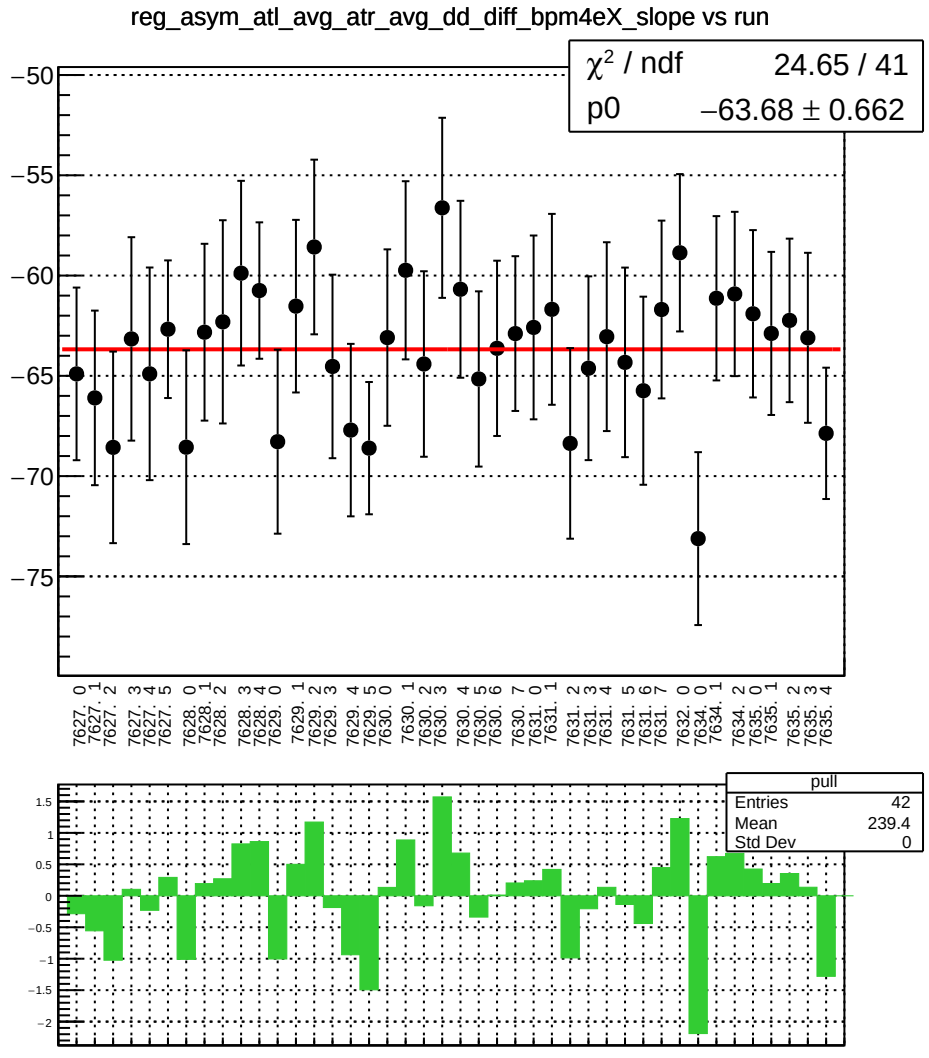

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.799 / 41
p0 28.11 ± 6.602
pull
Entries 42
Mean −42.43
Std Dev 0
pull1D
Entries 42
Mean −0.0185
Std Dev 0.2575

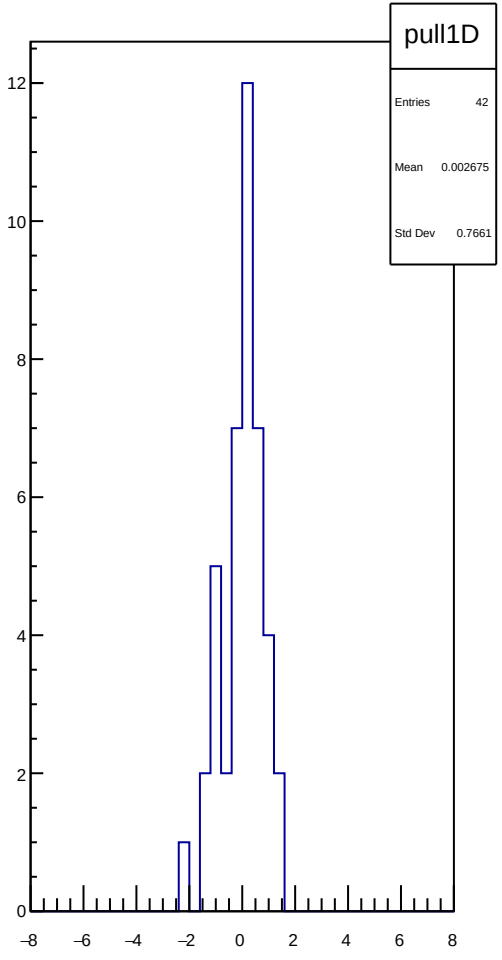

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 27.19 / 41
p0 −135.1 ± 0.4723
−125
−130
−135
−140
−145
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −184
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 42
Mean 0.02491
Std Dev 0.8043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

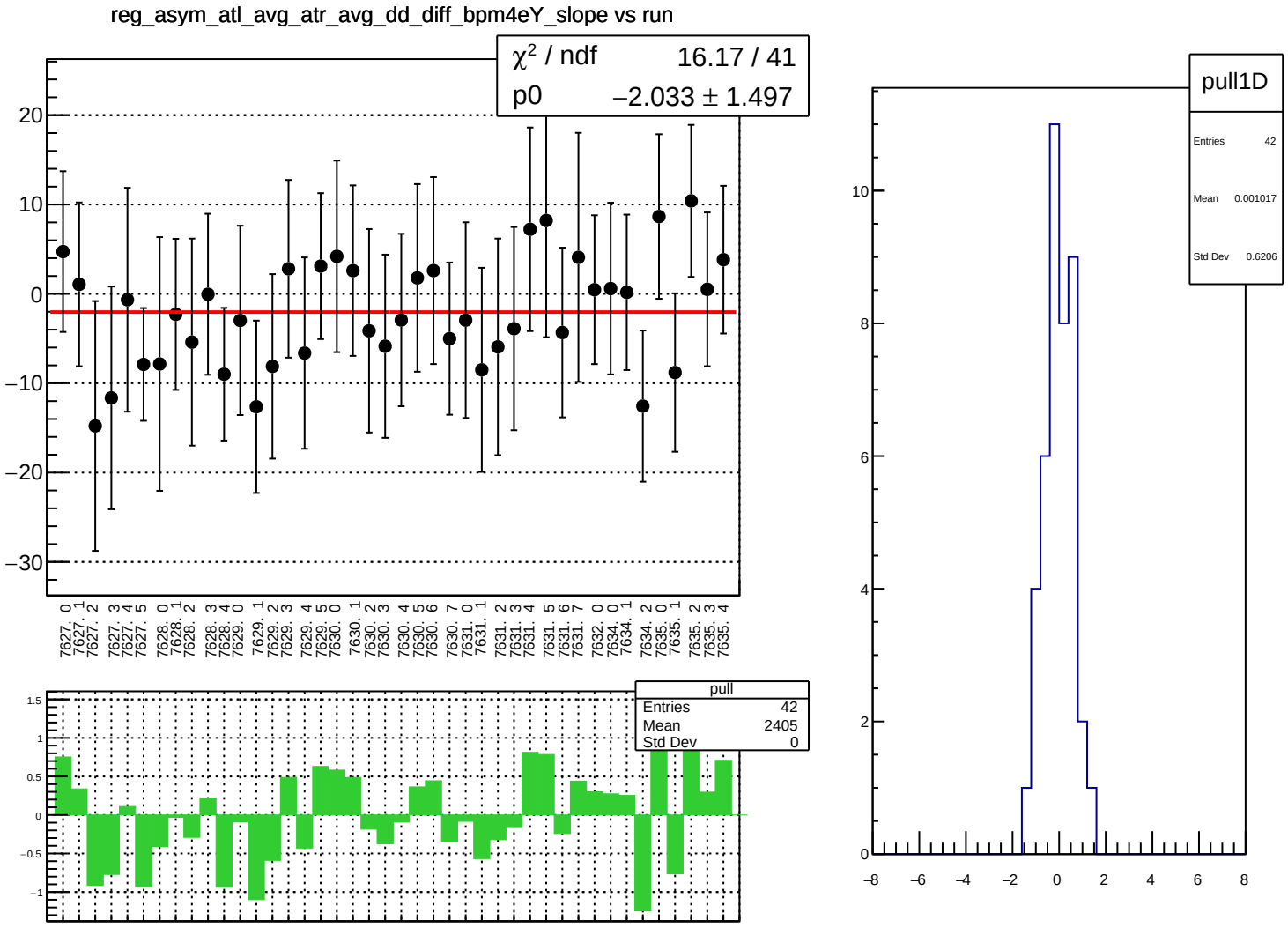

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 25.85 / 41
p0 45.06 ± 0.8282
pull
Entries 42
Mean 167.5
Std Dev 0

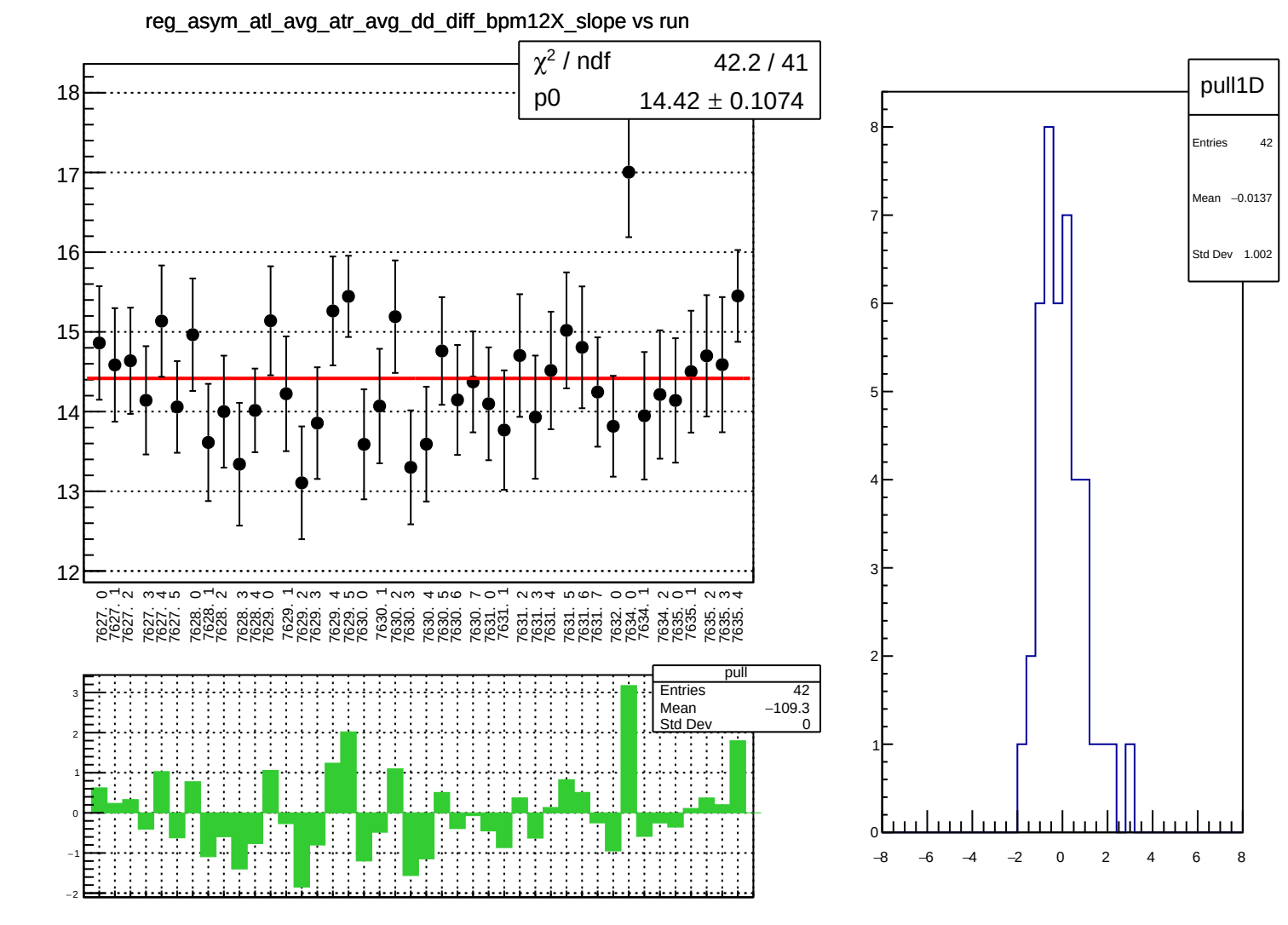

pull1D
Entries 42
Mean −0.00637
Std Dev 0.7845

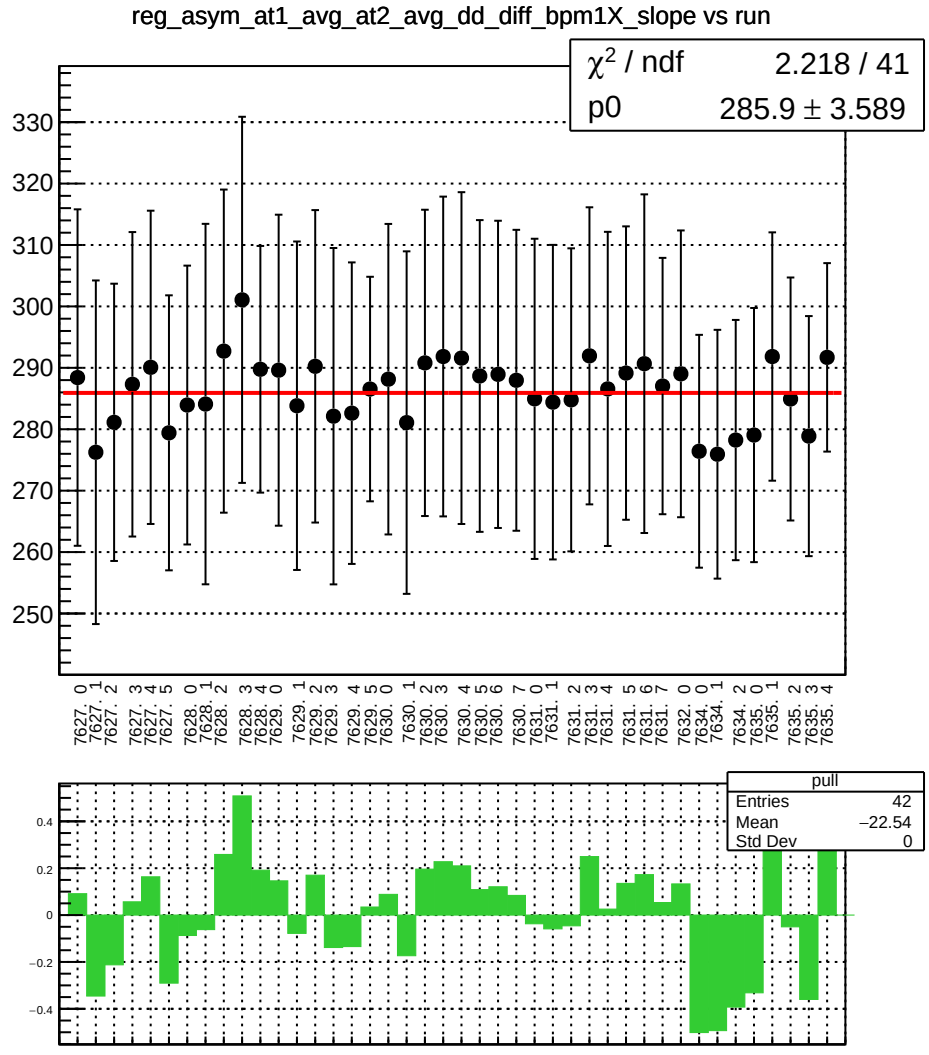

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 41
p0 −3.256 ± 1.02
pull
Entries 42
Mean 2643
Std Dev 0
pull1D
Entries 42
Mean −0.0008723
Std Dev 0.6145

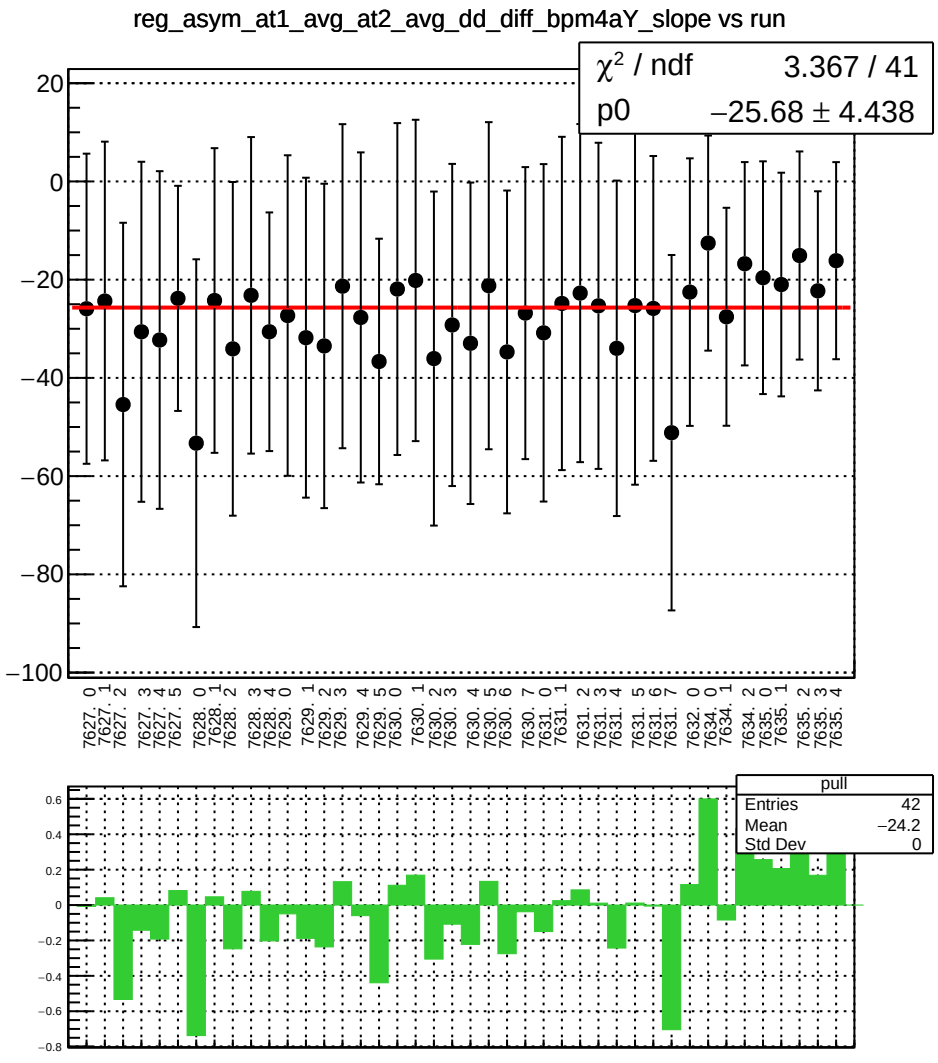

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.65 / 41
p0 −63.68 ± 0.662
pull
Entries 42
Mean 239.4
Std Dev 0

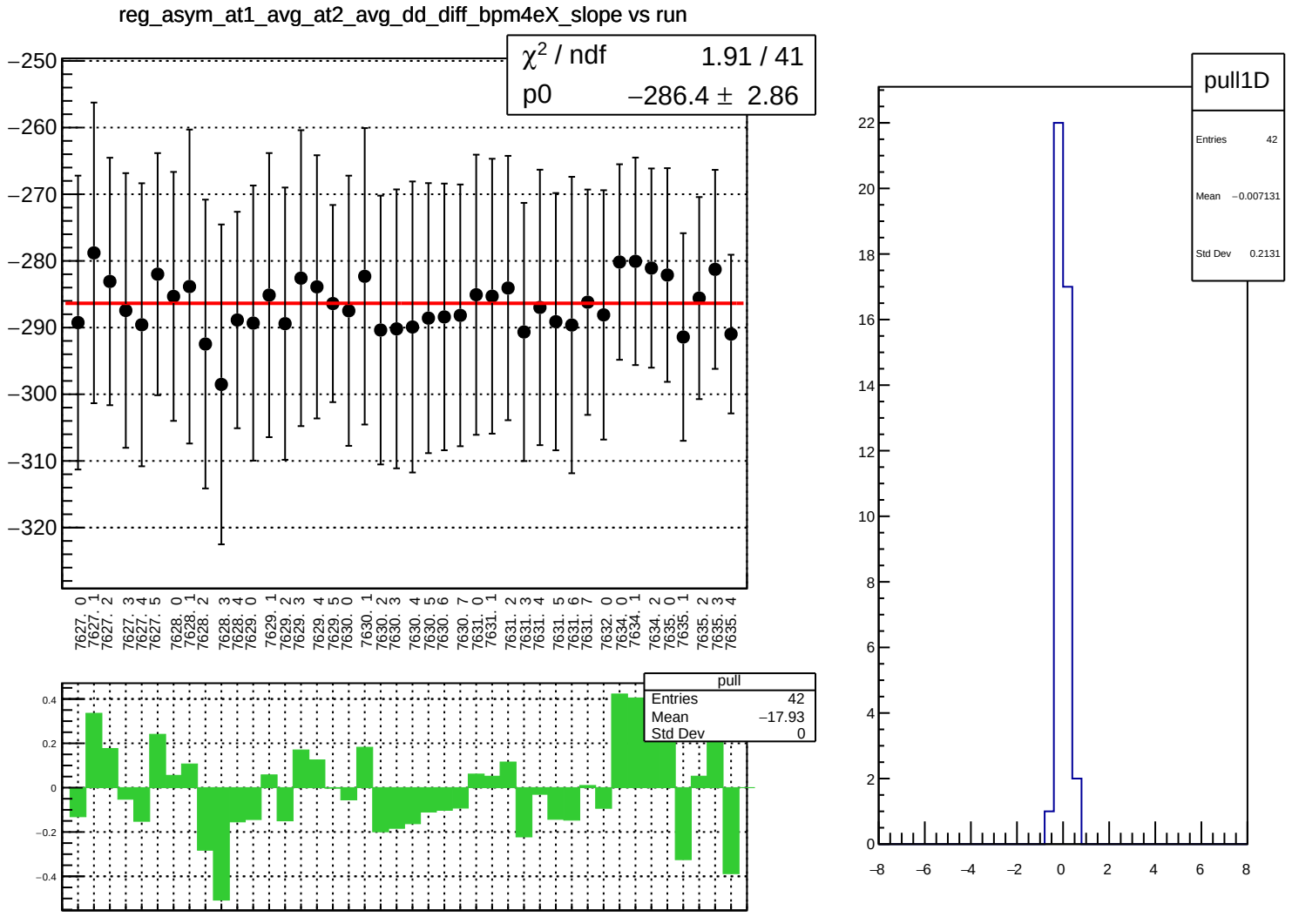

pull1D
Entries 42
Mean 0.002675
Std Dev 0.7661

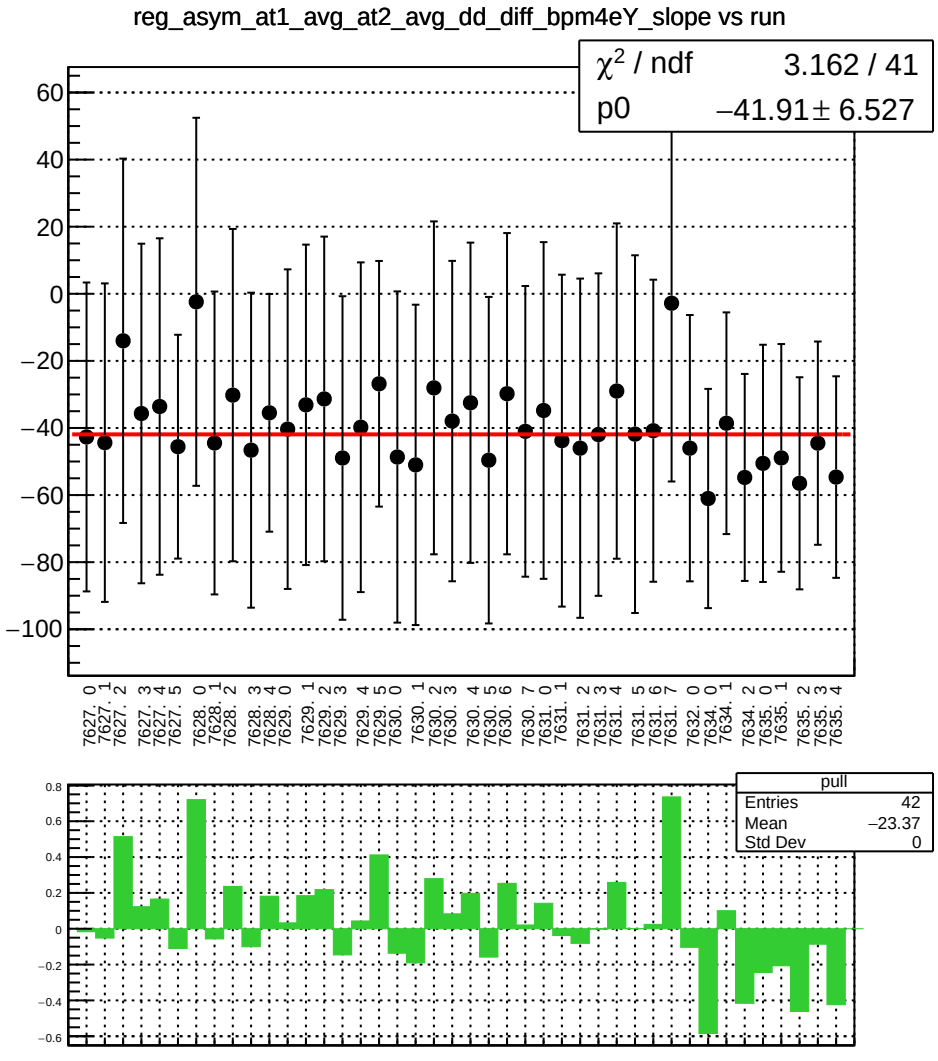

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.17 / 41
p0 −2.033 ± 1.497
pull
Entries 42
Mean 2405
Std Dev 0
pull1D
Entries 42
Mean 0.001017
Std Dev 0.6206

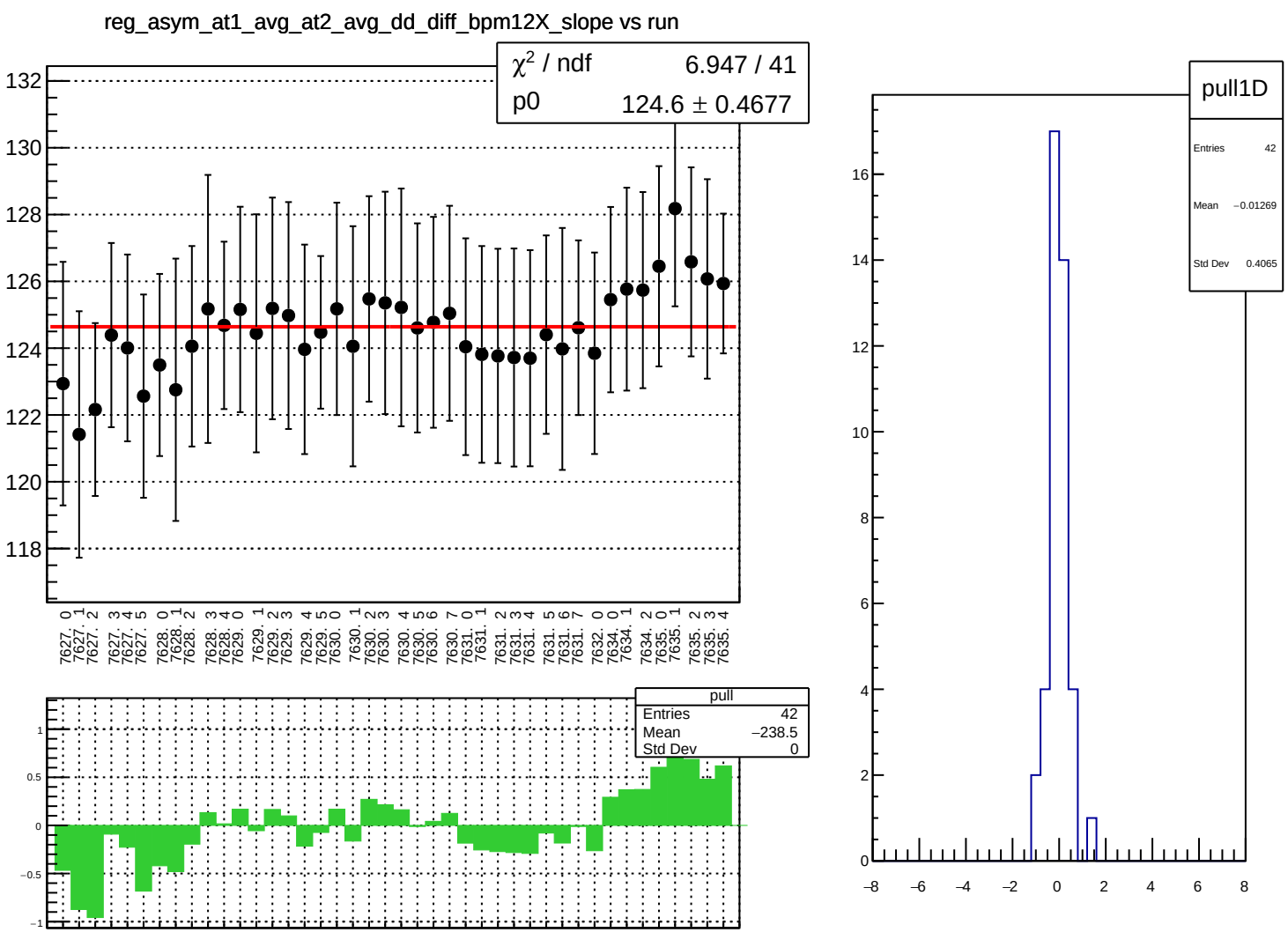

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 42.2 / 41
p0 14.42 ± 0.1074
pull
Entries 42
Mean −109.3
Std Dev 0
pull1D
Entries 42
Mean −0.0137
Std Dev 1.002

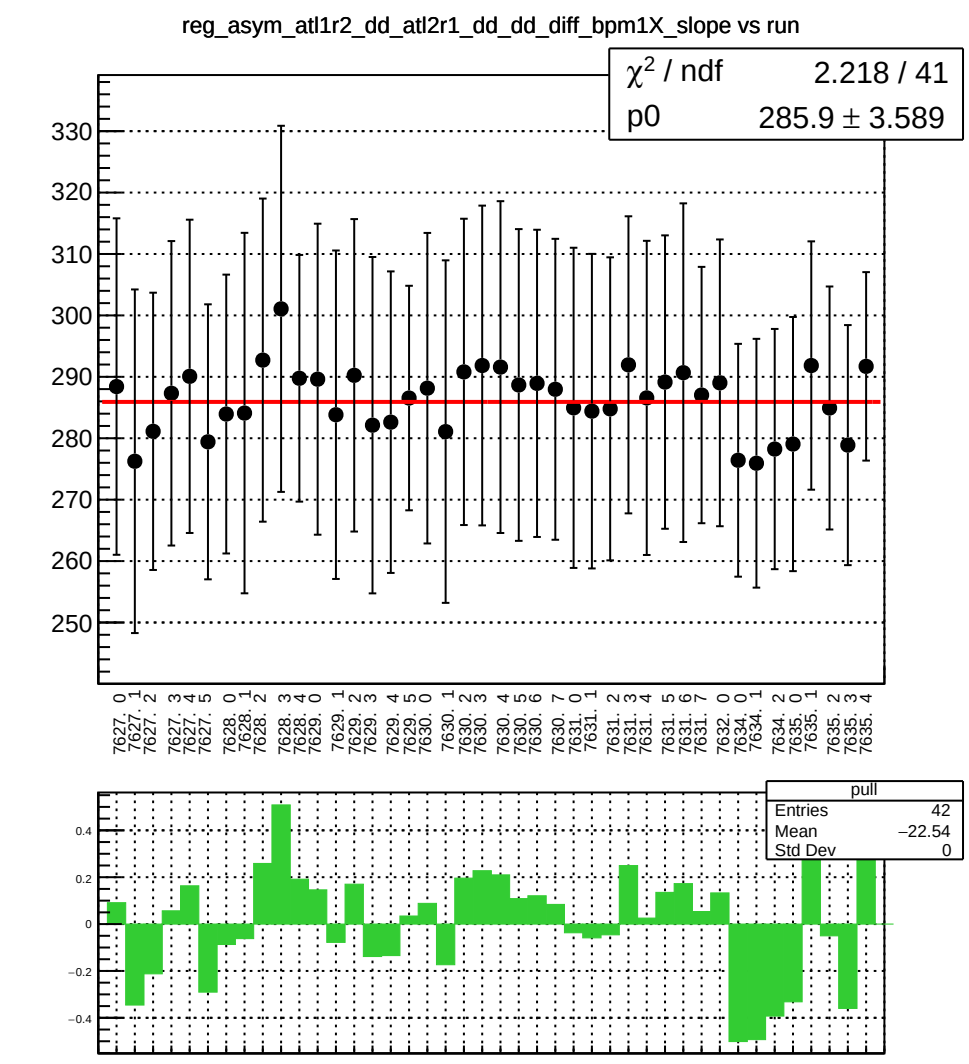

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 2.218 / 41
p0 285.9 ± 3.589
330
320
310
300
290
280
270
260
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.54
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean 0.007218
Std Dev 0.2297
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

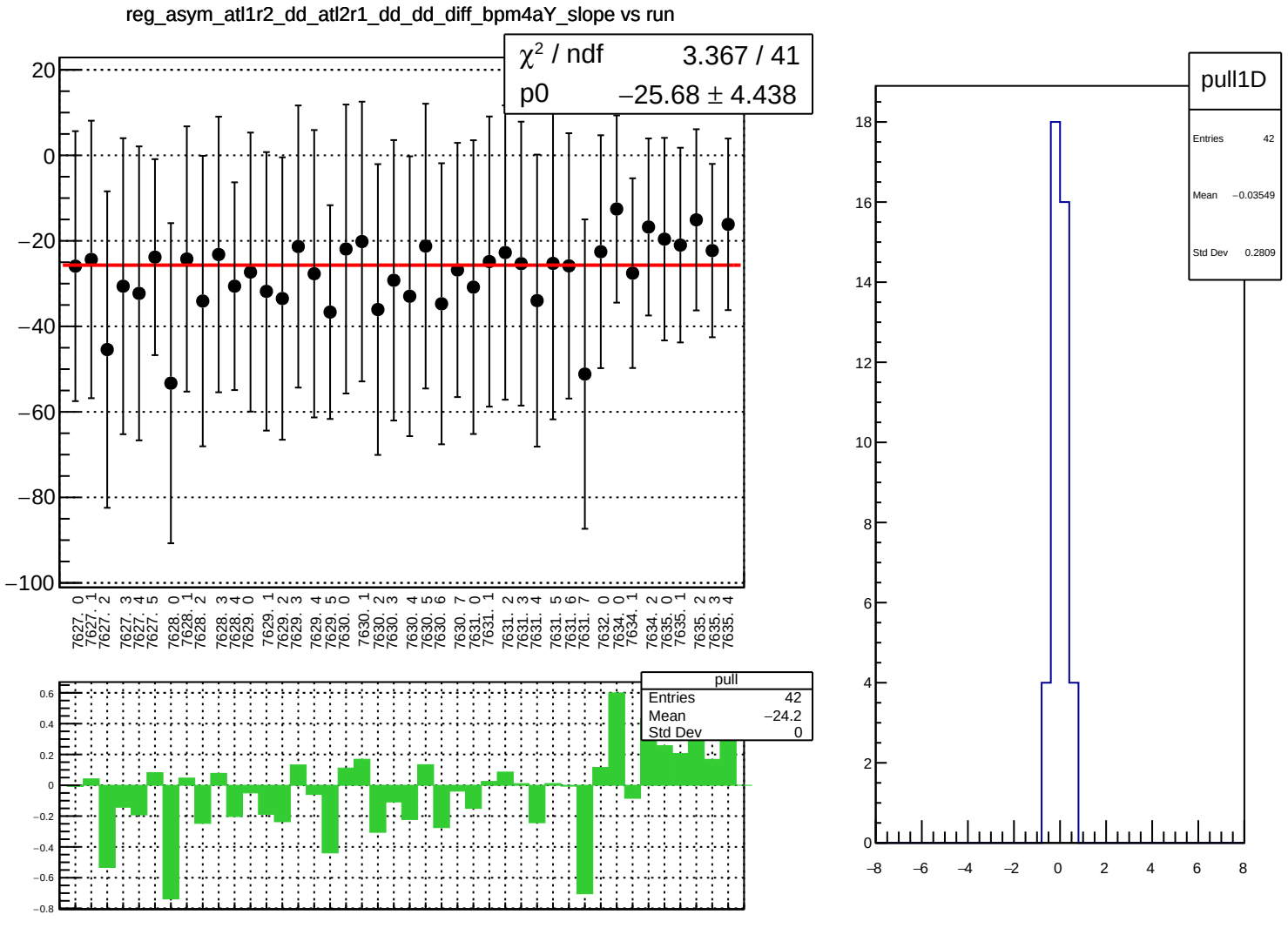

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.367 / 41
p0 −25.68 ± 4.438
pull
Entries 42
Mean −24.2
Std Dev 0
pull1D
Entries 42
Mean −0.03549
Std Dev 0.2809

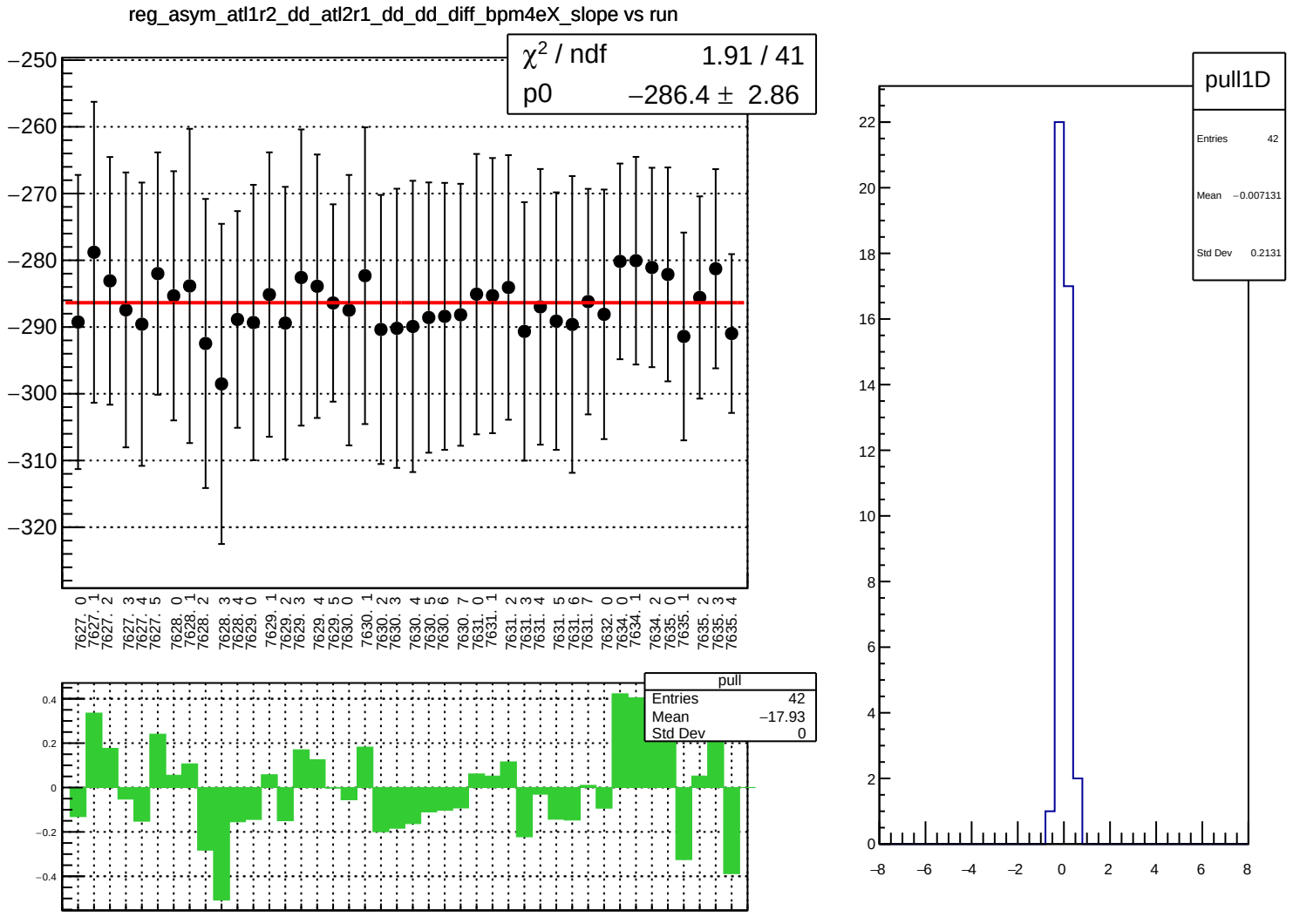

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.91 / 41
p0 −286.4 ± 2.86
−250
−260
−270
−280
−290
−300
−310
−320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −17.93
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean −0.007131
Std Dev 0.2131
22
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_bpm4eY_slope vs run
χ² / ndf 3.162 / 41
p0 −41.91 ± 6.527
pull
Entries 42
Mean −23.37
Std Dev 0
pull1D
Entries 42
Mean 0.03125
Std Dev 0.2726


reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 6.947 / 41
p0 124.6 ± 0.4677
132
130
128
126
124
122
120
118
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −238.5
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 42
Mean −0.01269
Std Dev 0.4065
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 2.218 / 41
p0 285.9 ± 3.589
330
320
310
300
290
280
270
260
250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −22.54
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean 0.007218
Std Dev 0.2297
24
22
20
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_bpm4aY_slope vs run
χ² / ndf 3.367 / 41
p0 −25.68 ± 4.438
pull
Entries 42
Mean −24.2
Std Dev 0
pull1D
Entries 42
Mean −0.03549
Std Dev 0.2809


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.91 / 41
p0 −286.4 ± 2.86
−250
−260
−270
−280
−290
−300
−310
−320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
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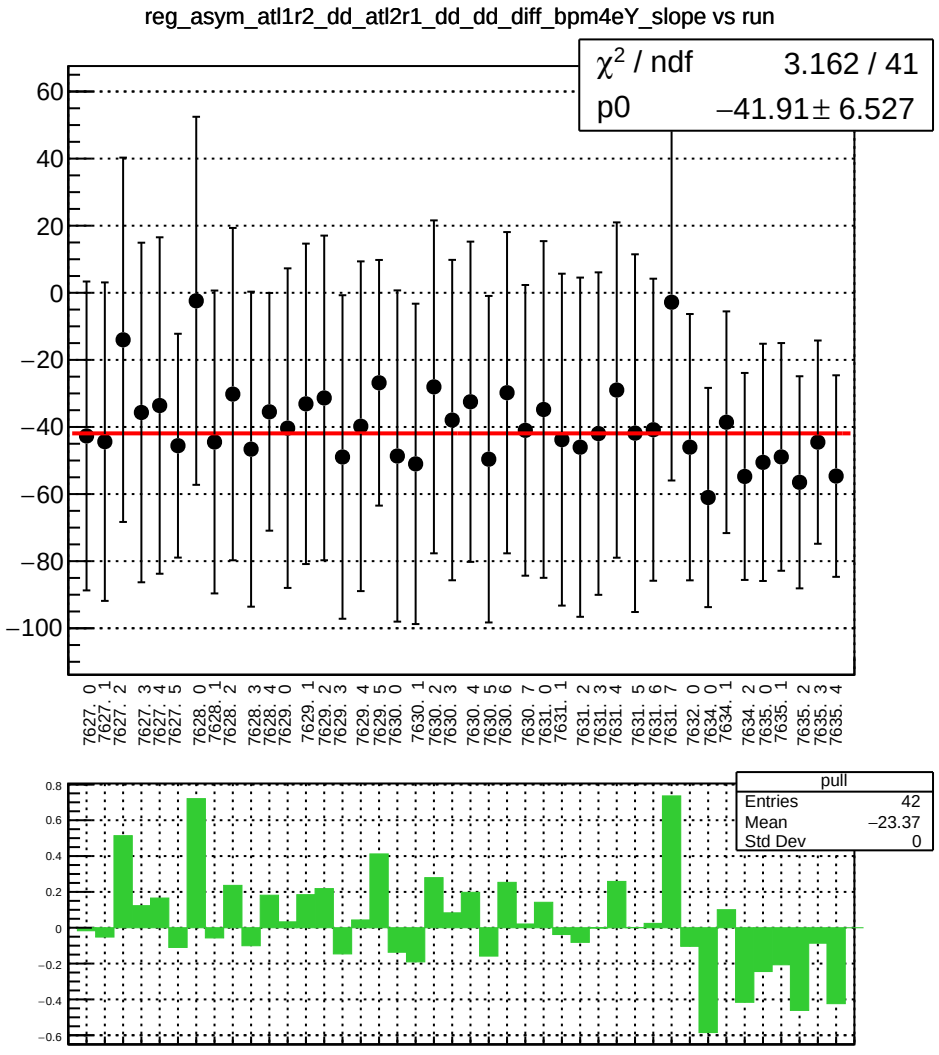
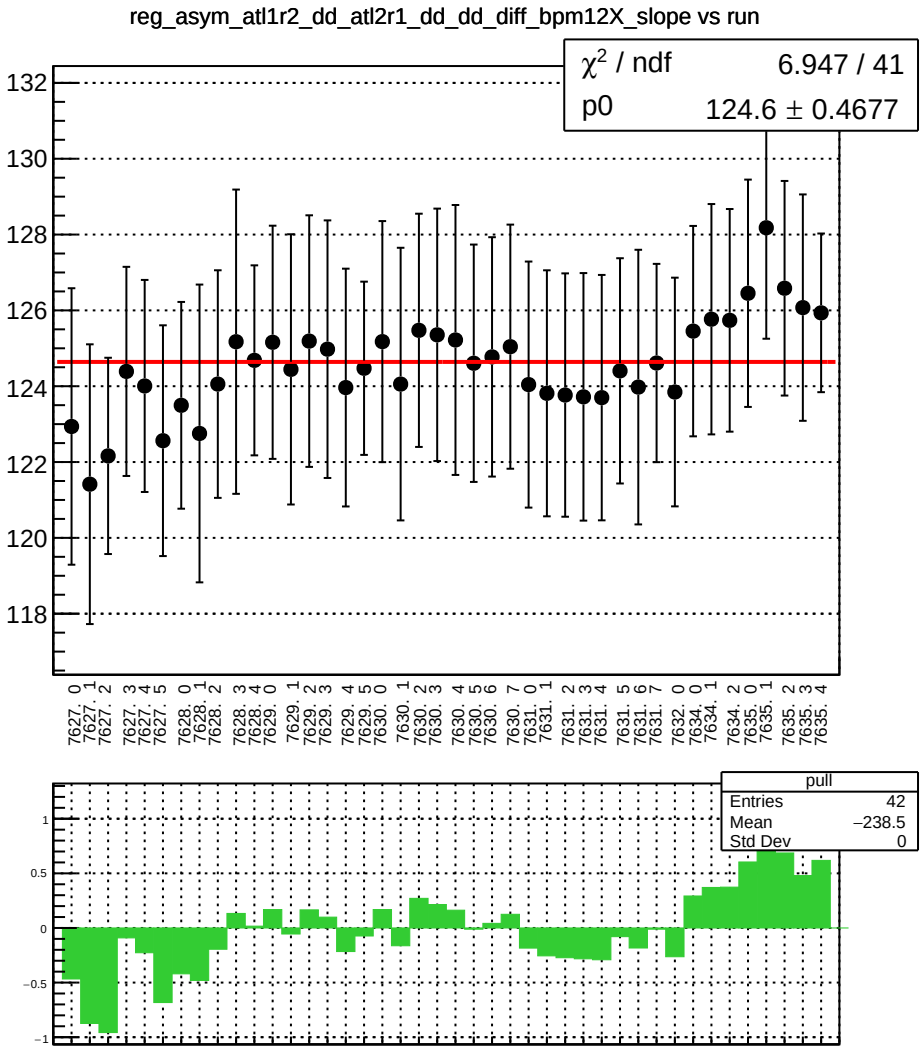
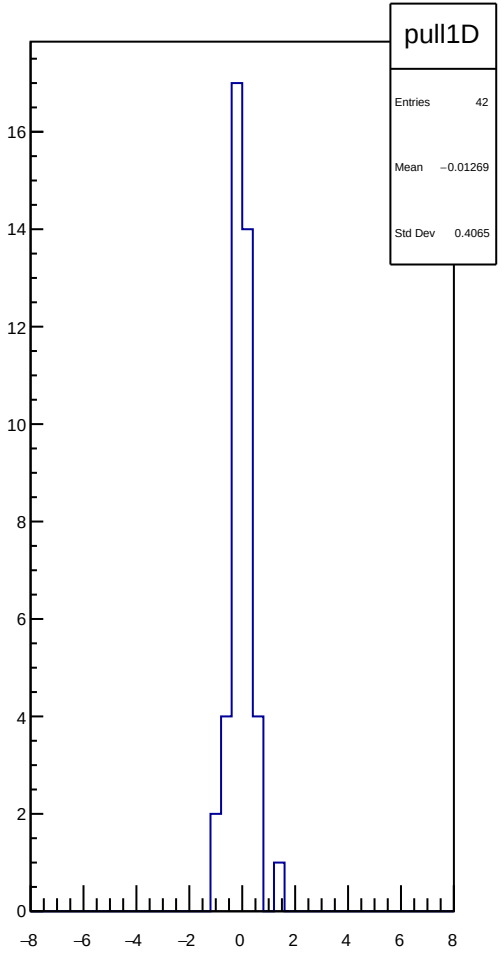
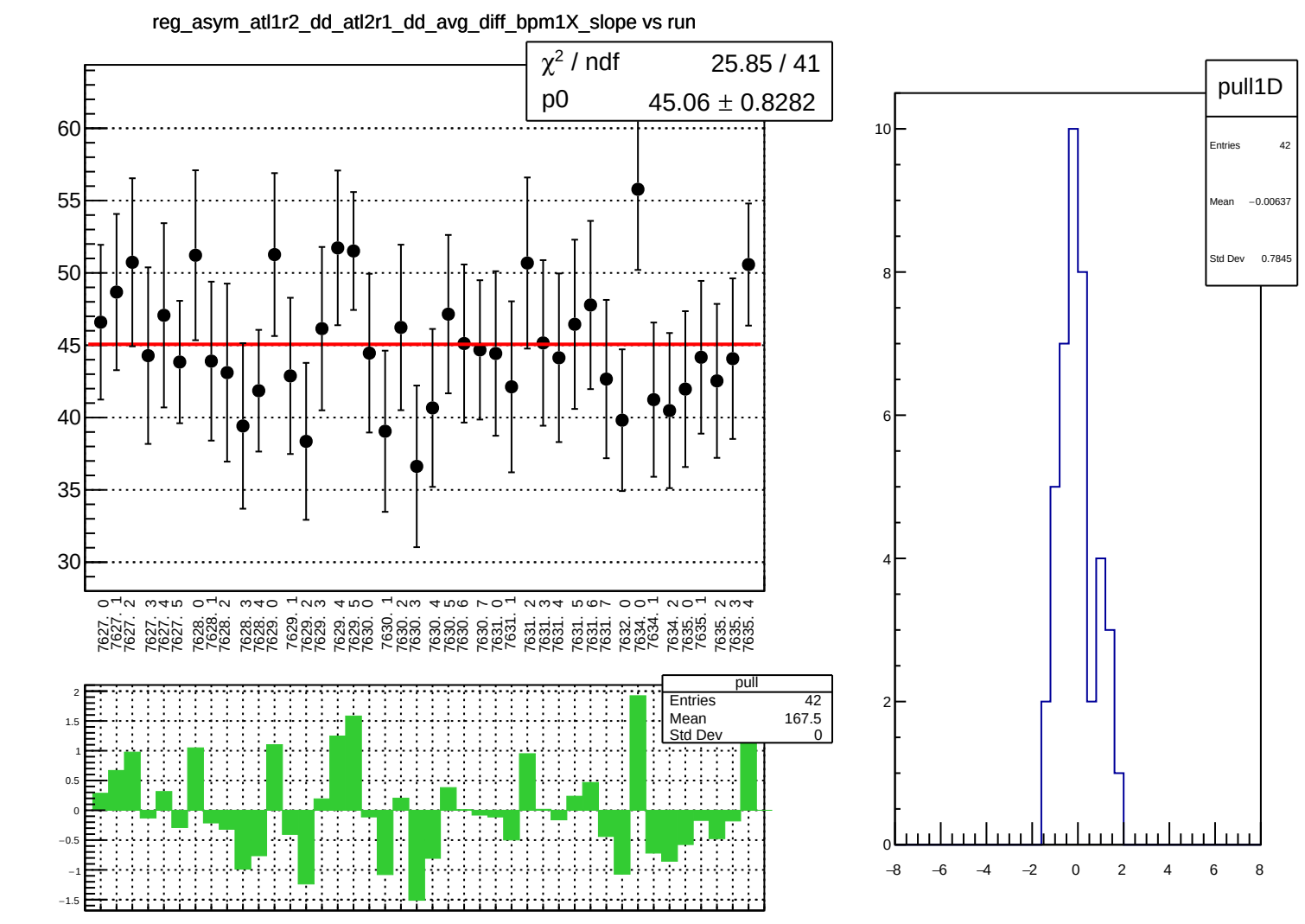
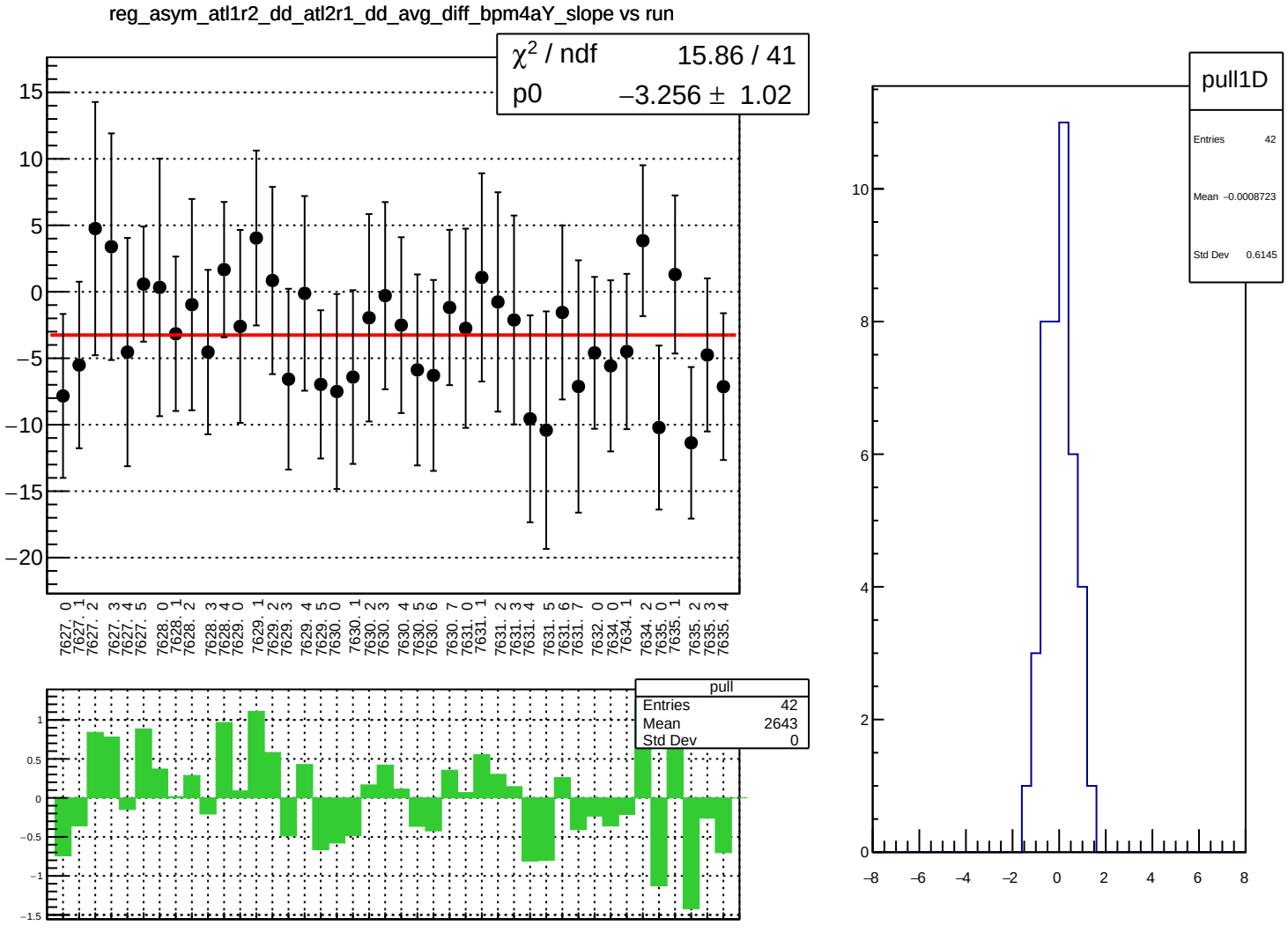
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −17.93
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean −0.007131
Std Dev 0.2131
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

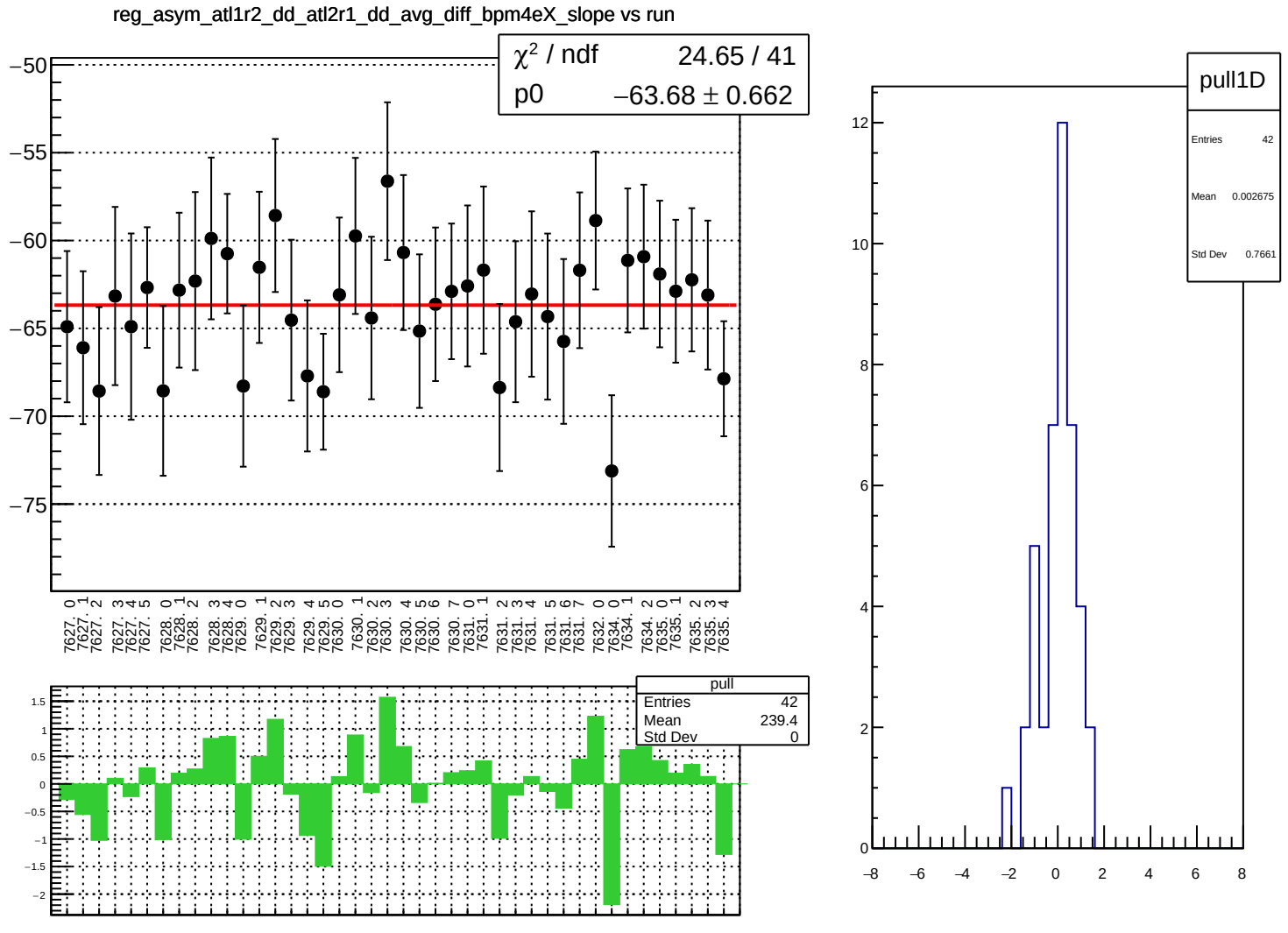

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.162 / 41
p0 −41.91 ± 6.527
pull
Entries 42
Mean −23.37
Std Dev 0
pull1D
Entries 42
Mean 0.03125
Std Dev 0.2726

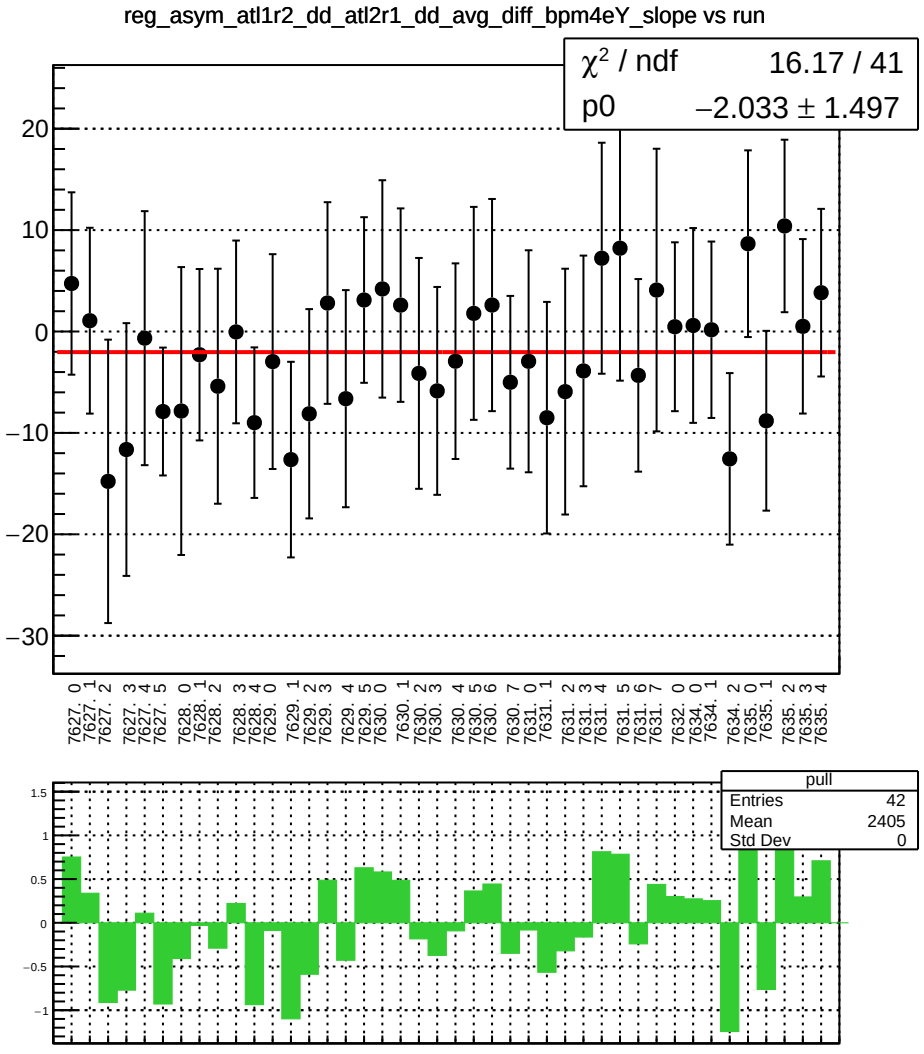

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 6.947 / 41
p0 124.6 ± 0.4677
pull
Entries 42
Mean −238.5
Std Dev 0


pull1D
Entries 42
Mean −0.01269
Std Dev 0.4065


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 25.85 / 41
p0 45.06 ± 0.8282
pull
Entries 42
Mean 167.5
Std Dev 0
pull1D
Entries 42
Mean −0.00637
Std Dev 0.7845


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 41
p0 −3.256 ± 1.02
pull
Entries 42
Mean 2643
Std Dev 0
pull1D
Entries 42
Mean −0.0008723
Std Dev 0.6145


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.65 / 41
p0 −63.68 ± 0.662
−50
−55
−60
−65
−70
−75
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 239.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.002675
Std Dev 0.7661
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.17 / 41
p0 −2.033 ± 1.497
20
10
0
−10
−20
−30
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
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7629. 2
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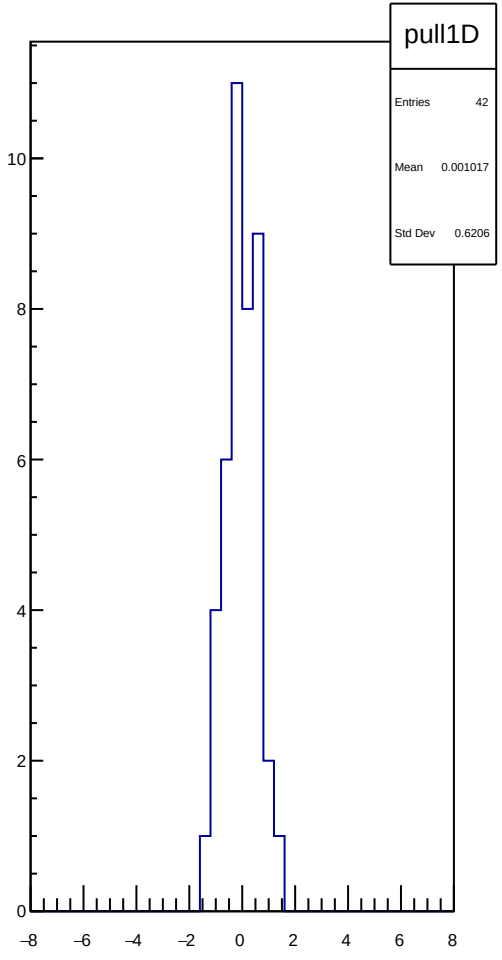
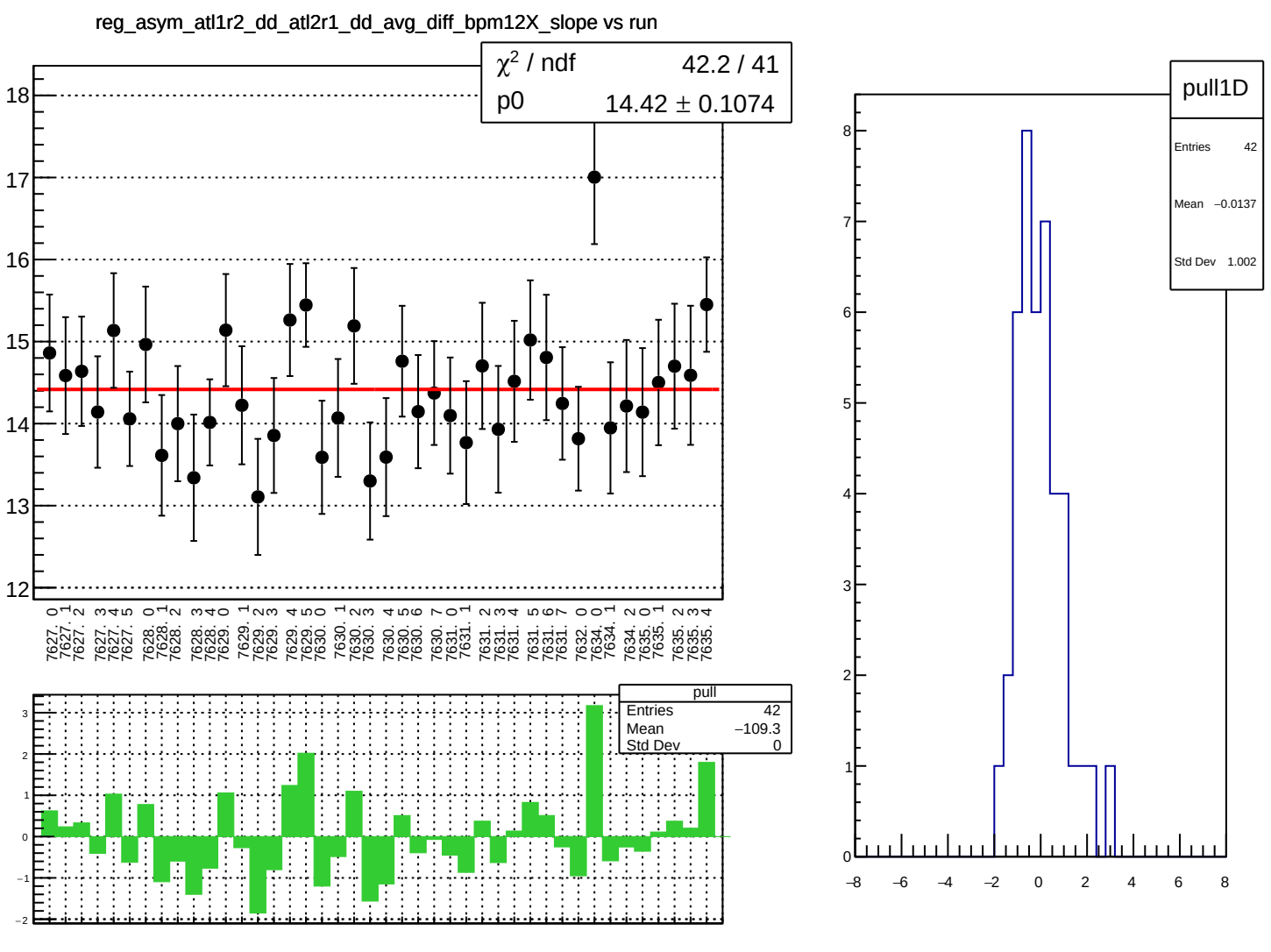
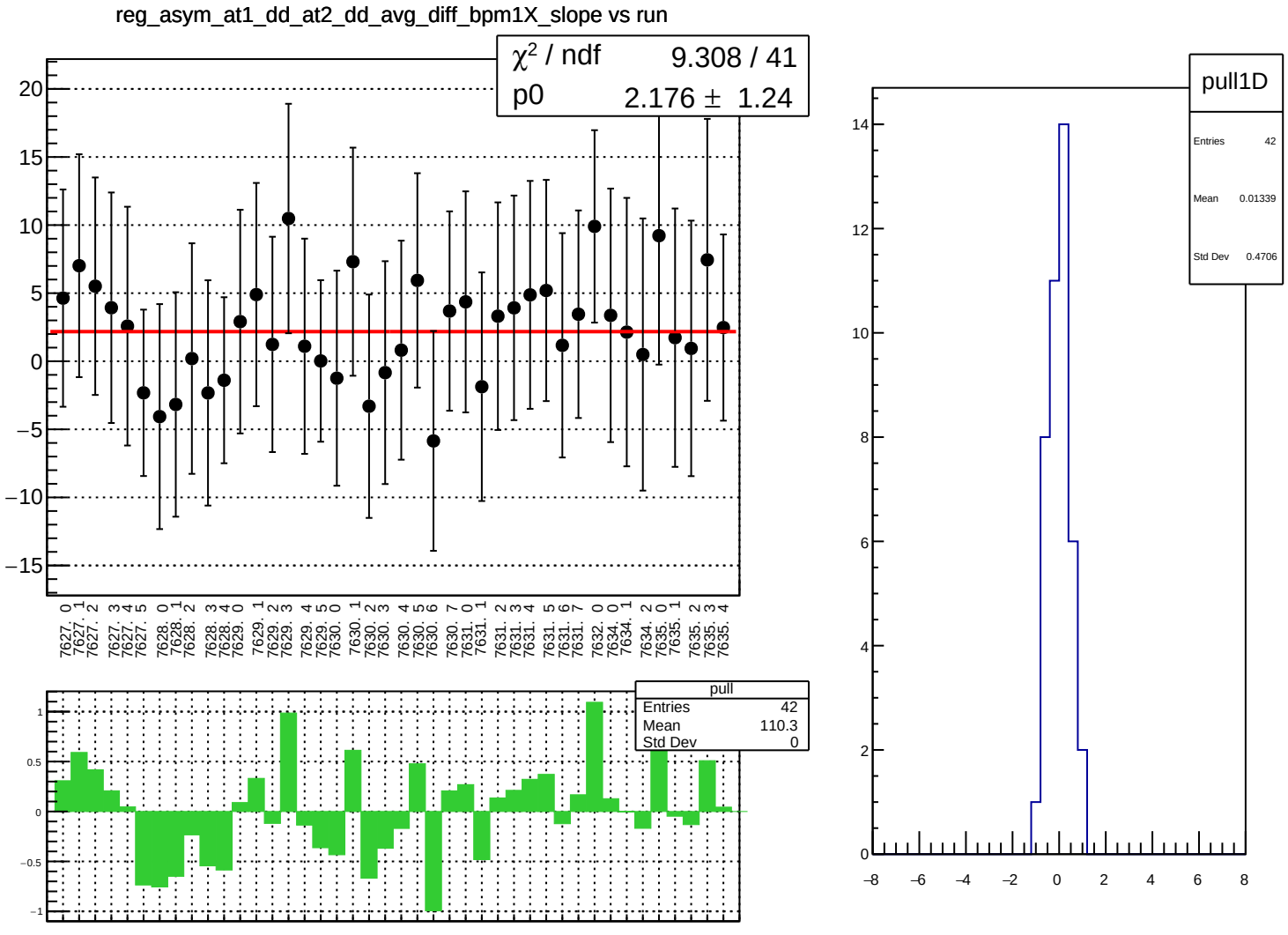
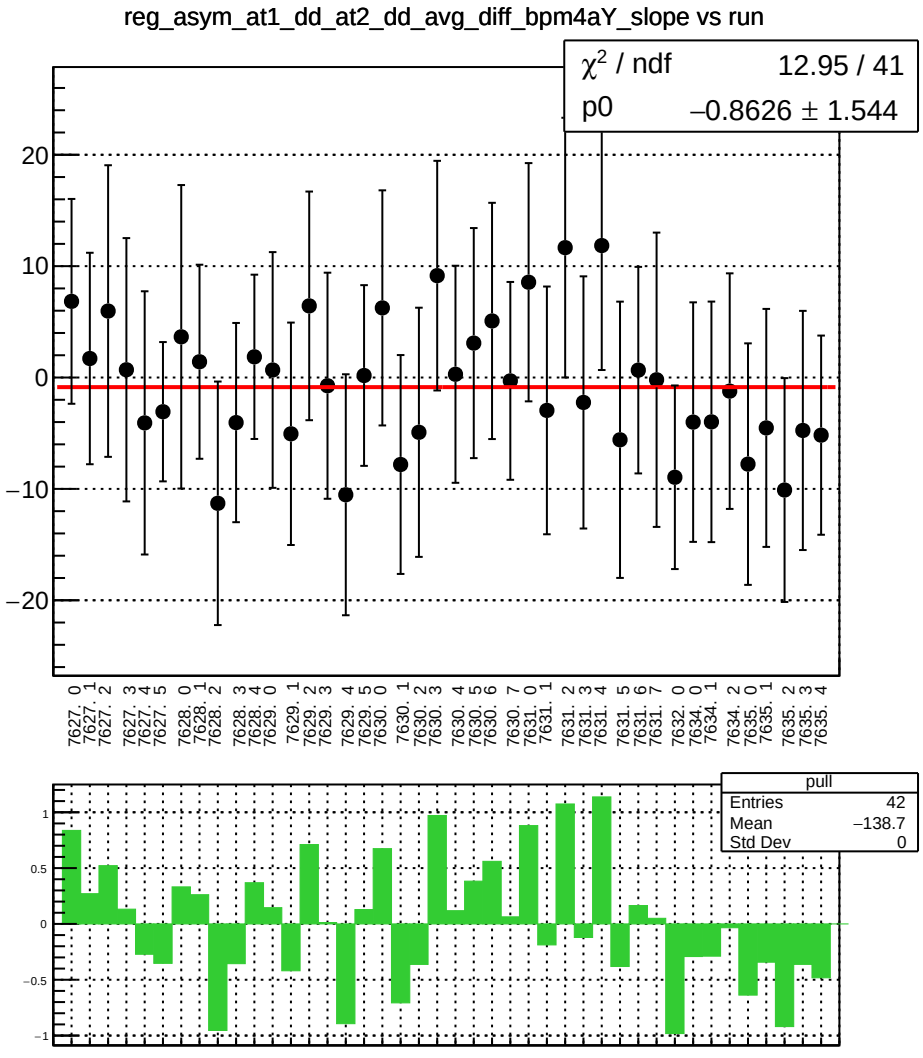
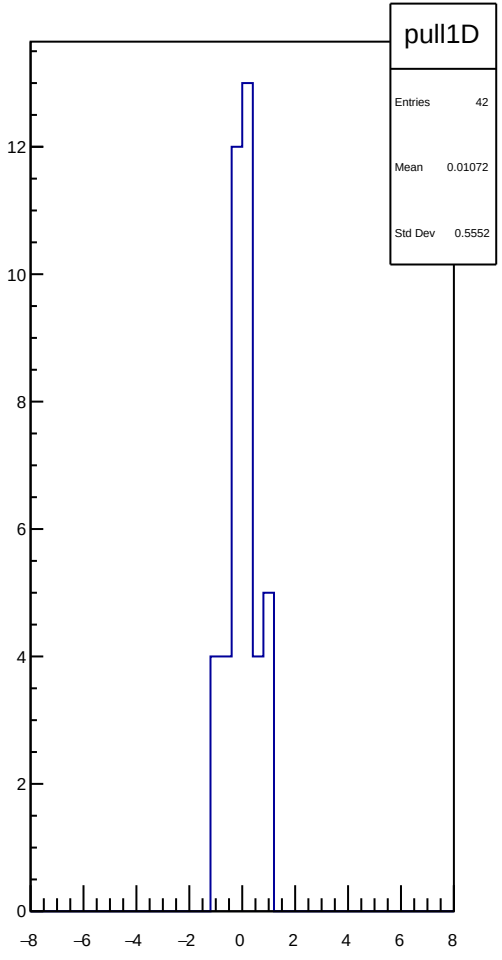
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 2405
Std Dev 0
1.5
1
0.5
0
−0.5
−1

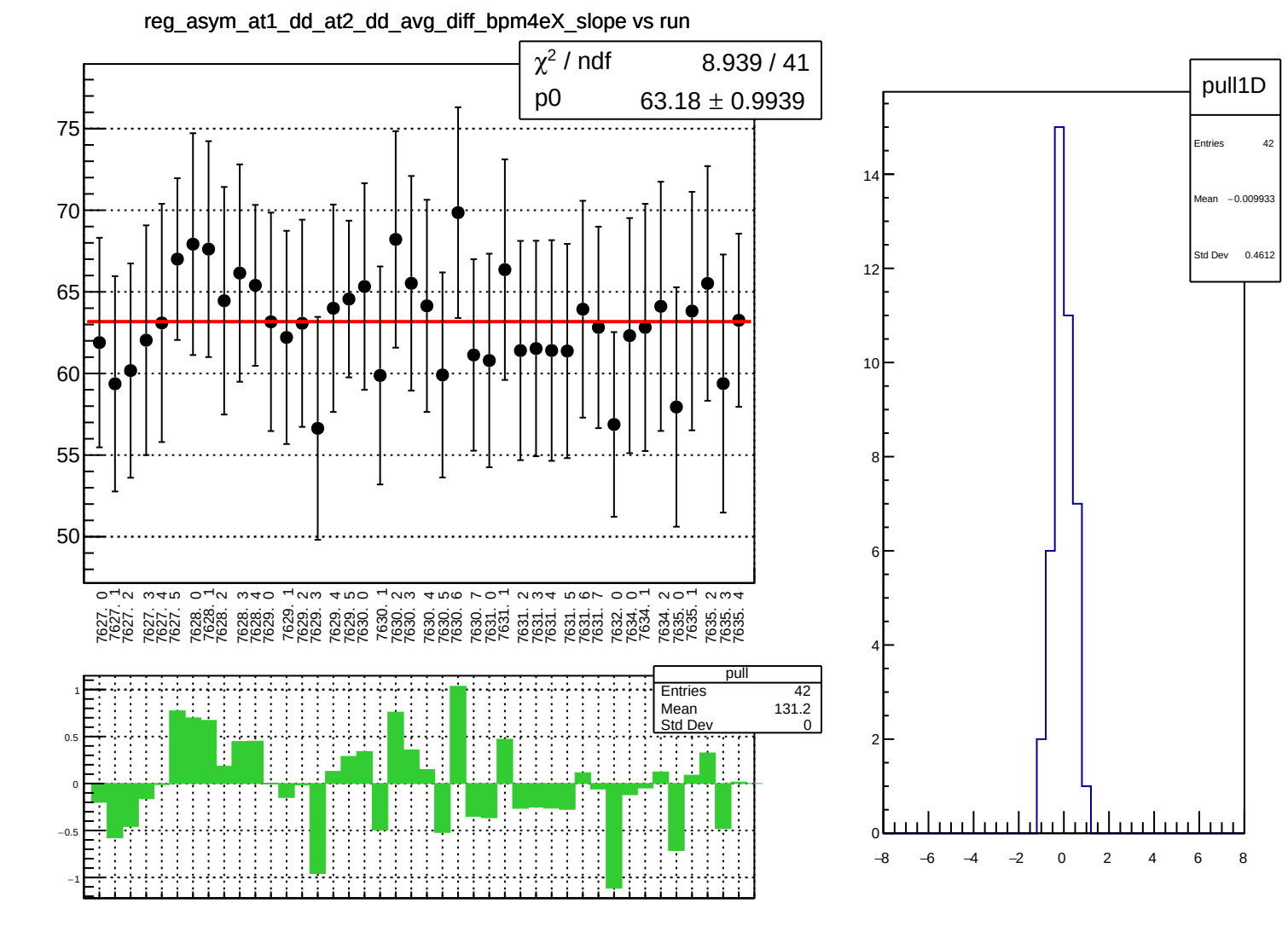

pull1D
Entries 42
Mean 0.001017
Std Dev 0.6206
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

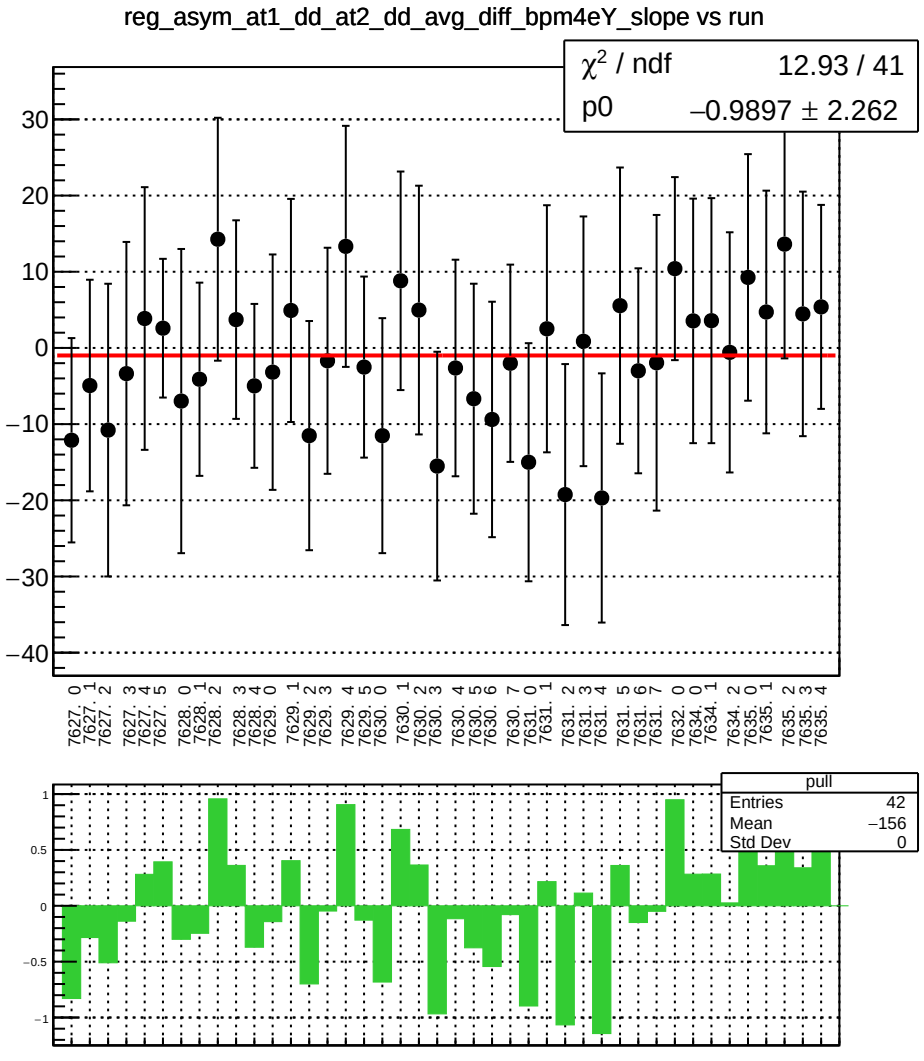

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 42.2 / 41
p0 14.42 ± 0.1074
pull
Entries 42
Mean −109.3
Std Dev 0
pull1D
Entries 42
Mean −0.0137
Std Dev 1.002

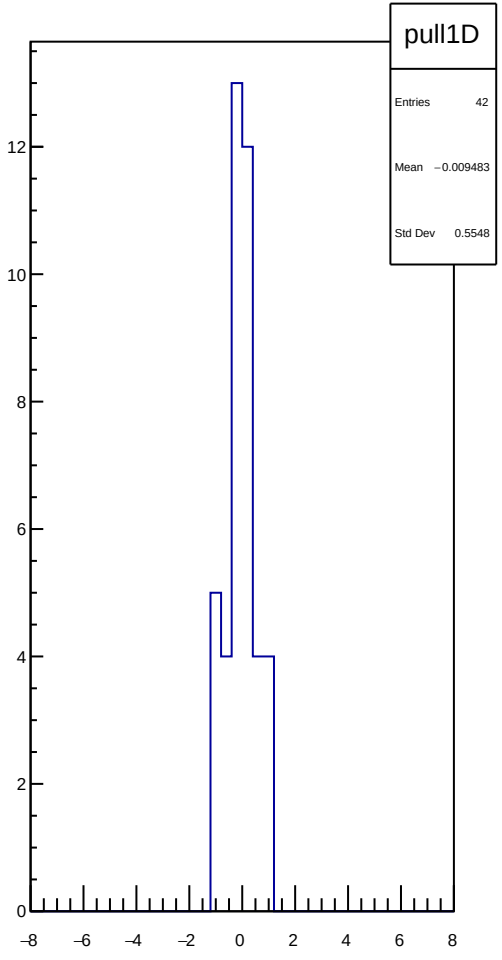

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 9.308 / 41
p0 2.176 ± 1.24
pull
Entries 42
Mean 110.3
Std Dev 0
pull1D
Entries 42
Mean 0.01339
Std Dev 0.4706

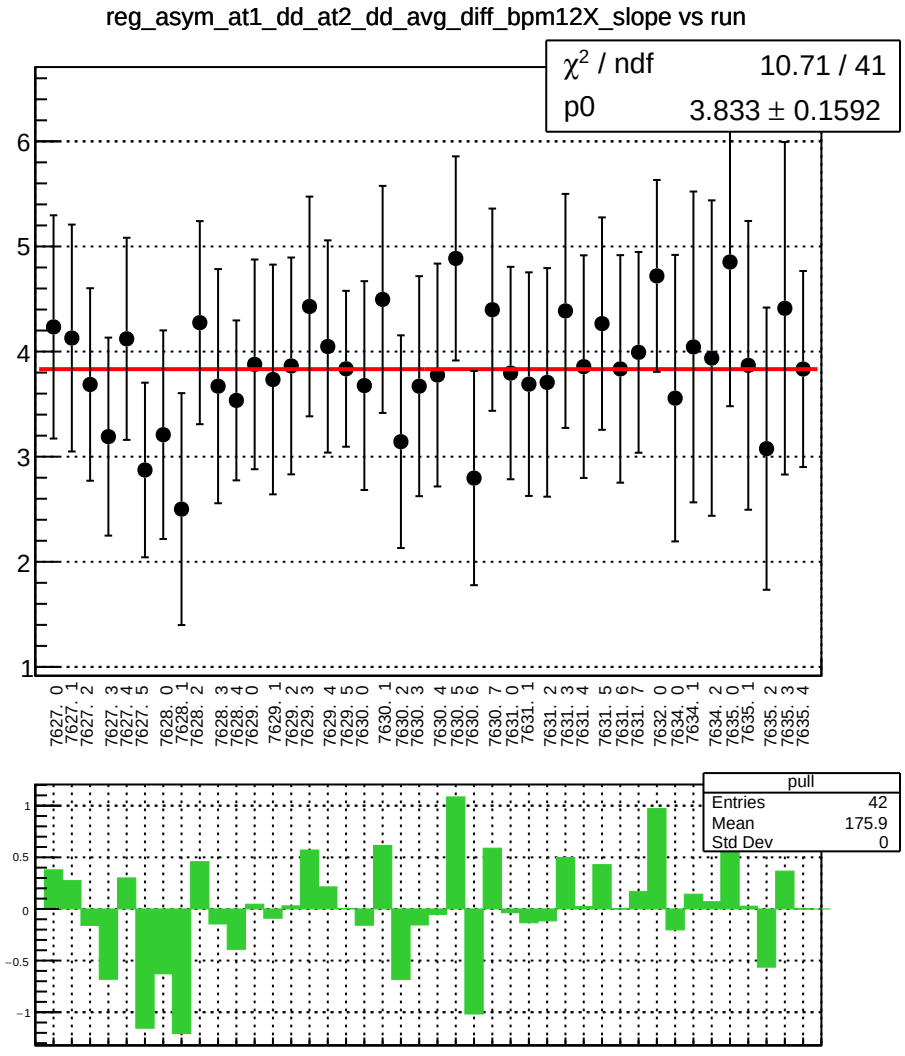

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.95 / 41
p0 −0.8626 ± 1.544
20
10
0
−10
−20
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −138.7
Std Dev 0
1
0.5
0
−0.5
−1

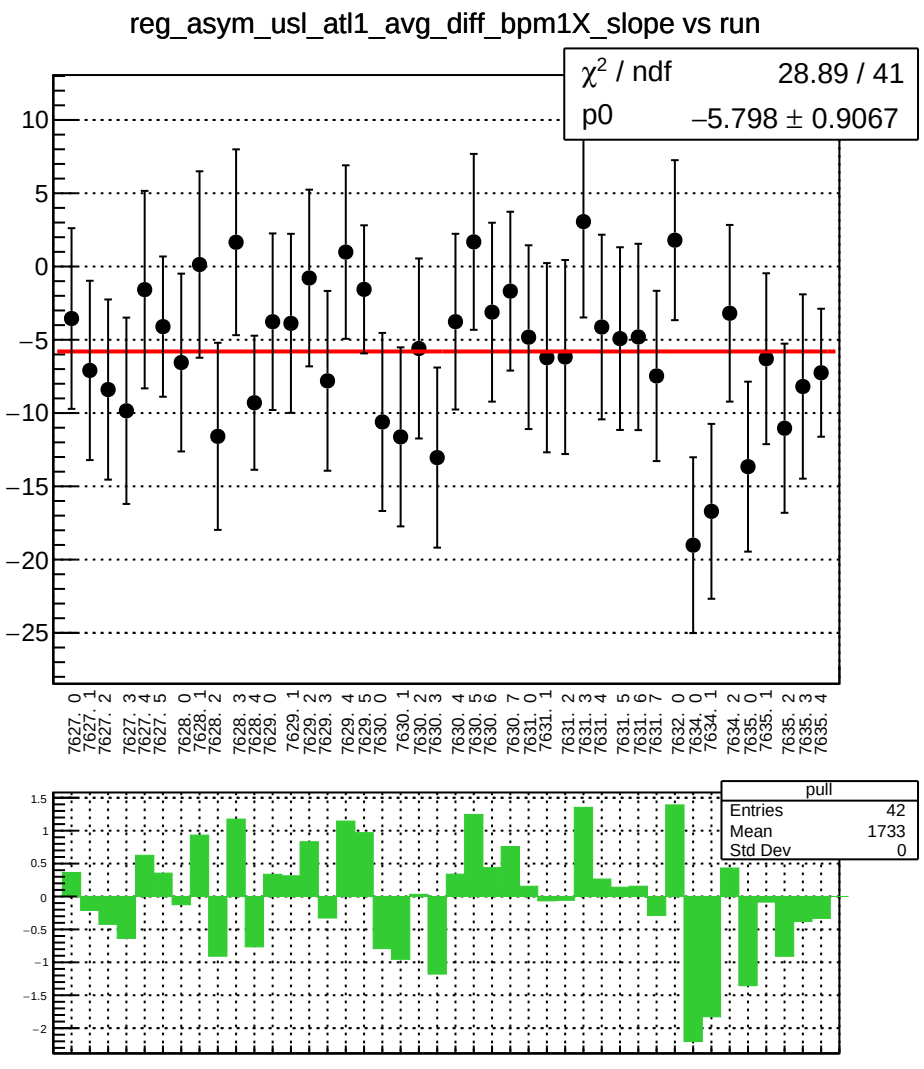

pull1D
Entries 42
Mean 0.01072
Std Dev 0.5552
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

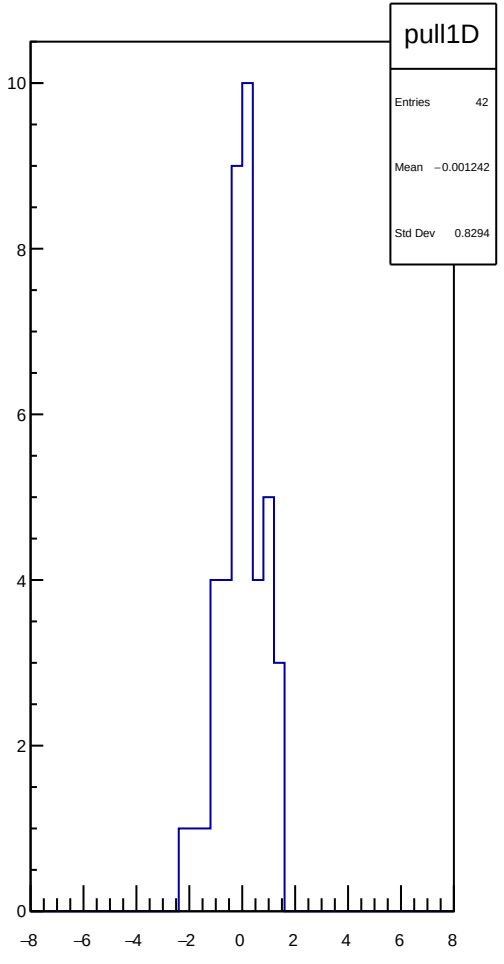

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.939 / 41
p0 63.18 ± 0.9939
pull
Entries 42
Mean 131.2
Std Dev 0
pull1D
Entries 42
Mean −0.009933
Std Dev 0.4612

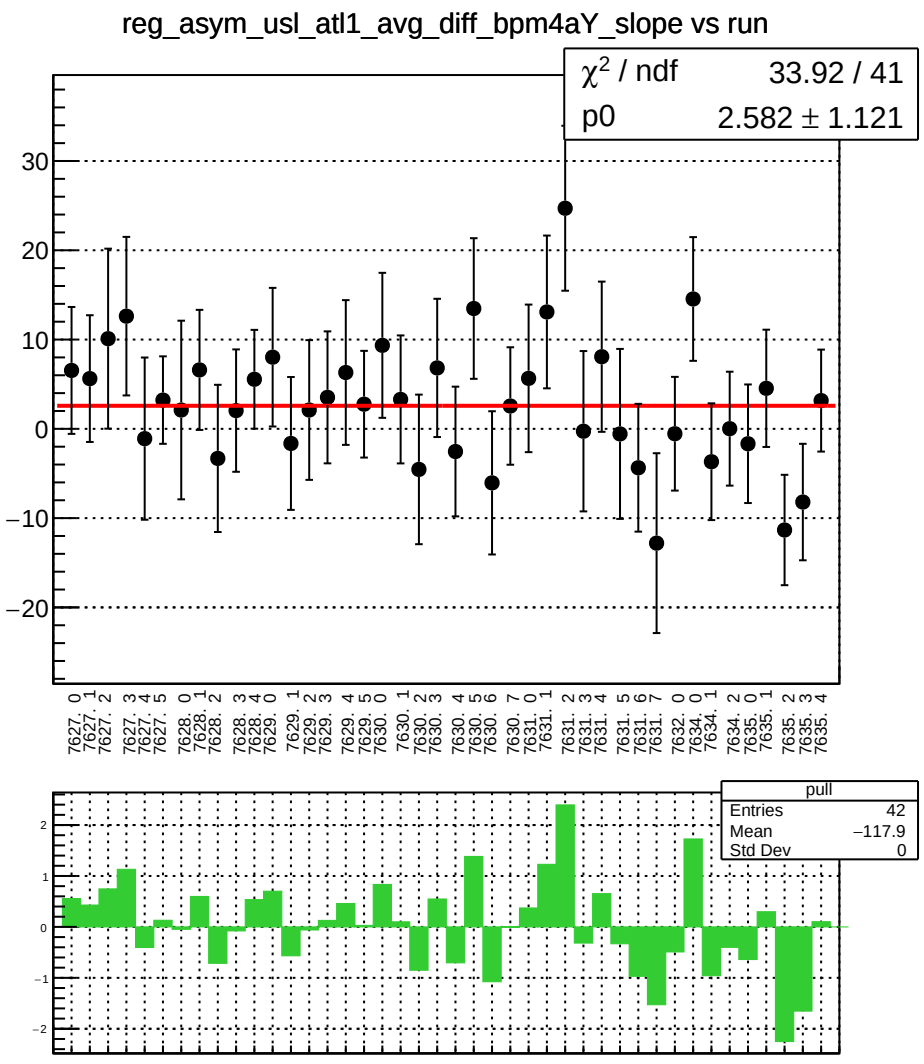

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.93 / 41
p0 −0.9897 ± 2.262
pull
Entries 42
Mean −156
Std Dev 0

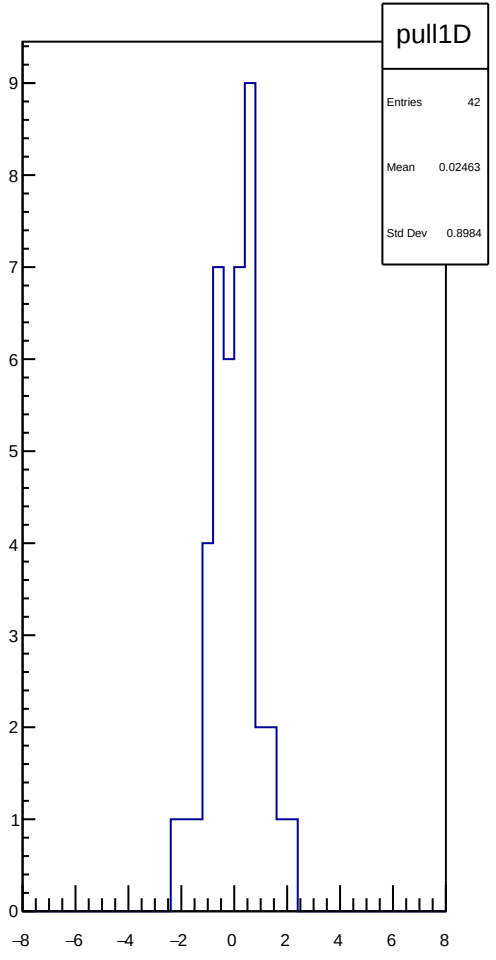

pull1D
Entries 42
Mean −0.009483
Std Dev 0.5548

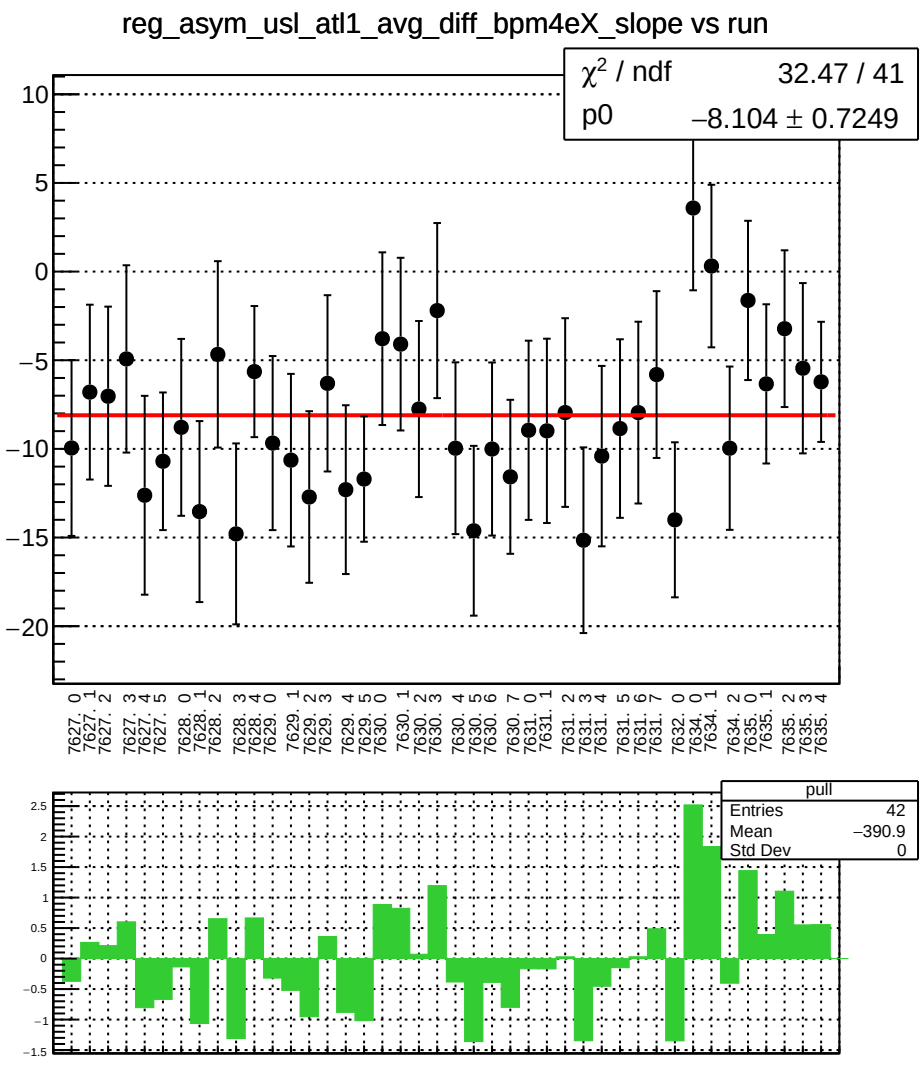

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 10.71 / 41
p0 3.833 ± 0.1592
pull
Entries 42
Mean 175.9
Std Dev 0
pull1D
Entries 42
Mean 0.01029
Std Dev 0.5049

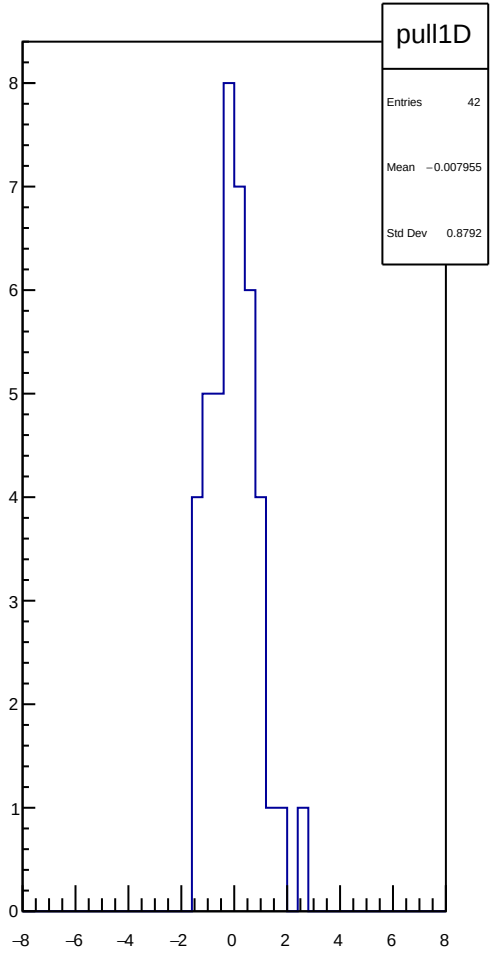

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 28.89 / 41
p0 −5.798 ± 0.9067
pull
Entries 42
Mean 1733
Std Dev 0

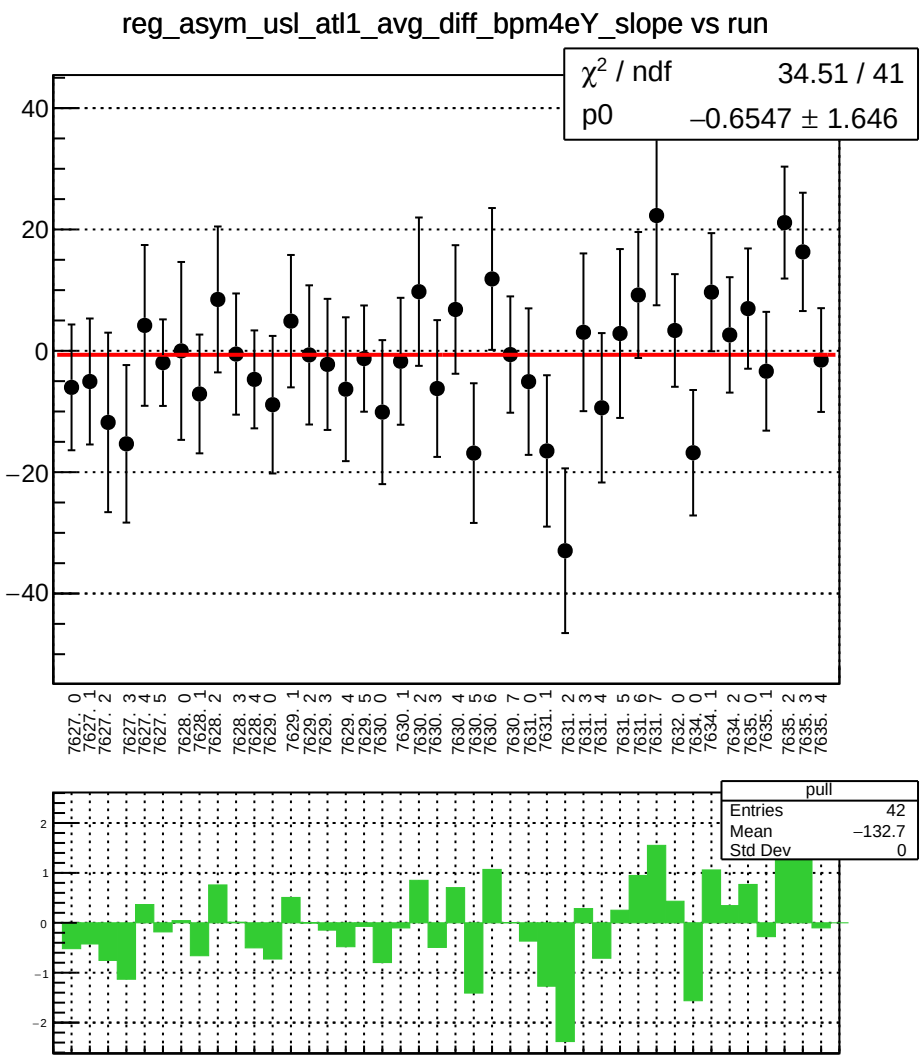

pull1D
Entries 42
Mean −0.001242
Std Dev 0.8294

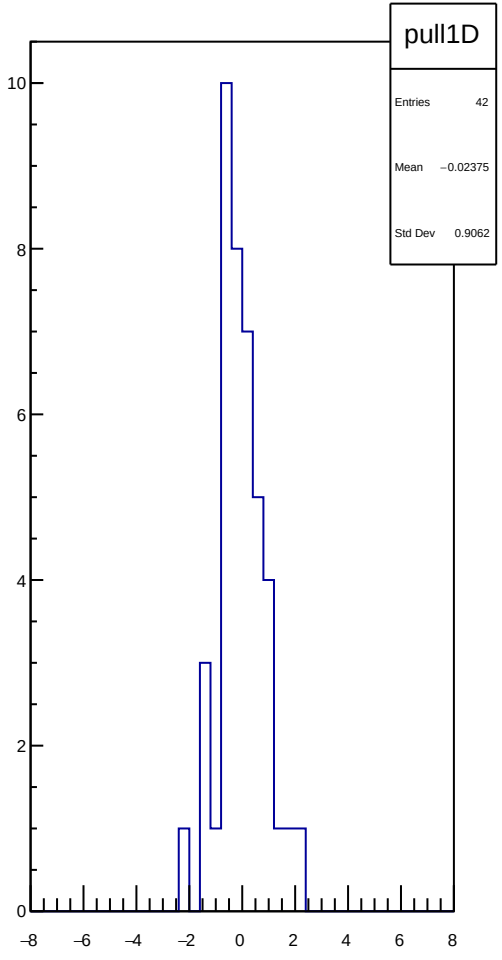

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.92 / 41
p0 2.582 ± 1.121
pull
Entries 42
Mean −117.9
Std Dev 0

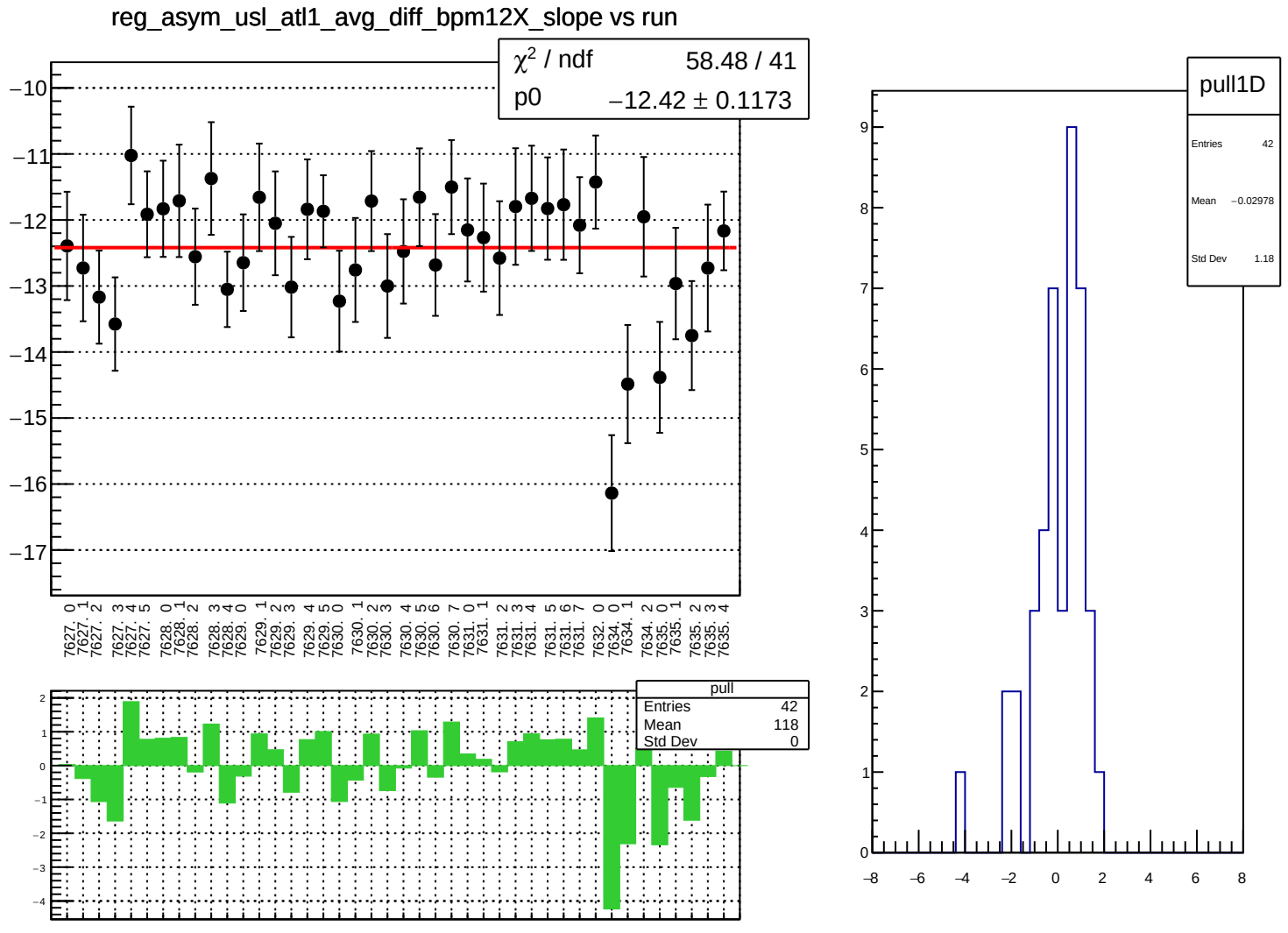

pull1D
Entries 42
Mean 0.02463
Std Dev 0.8984

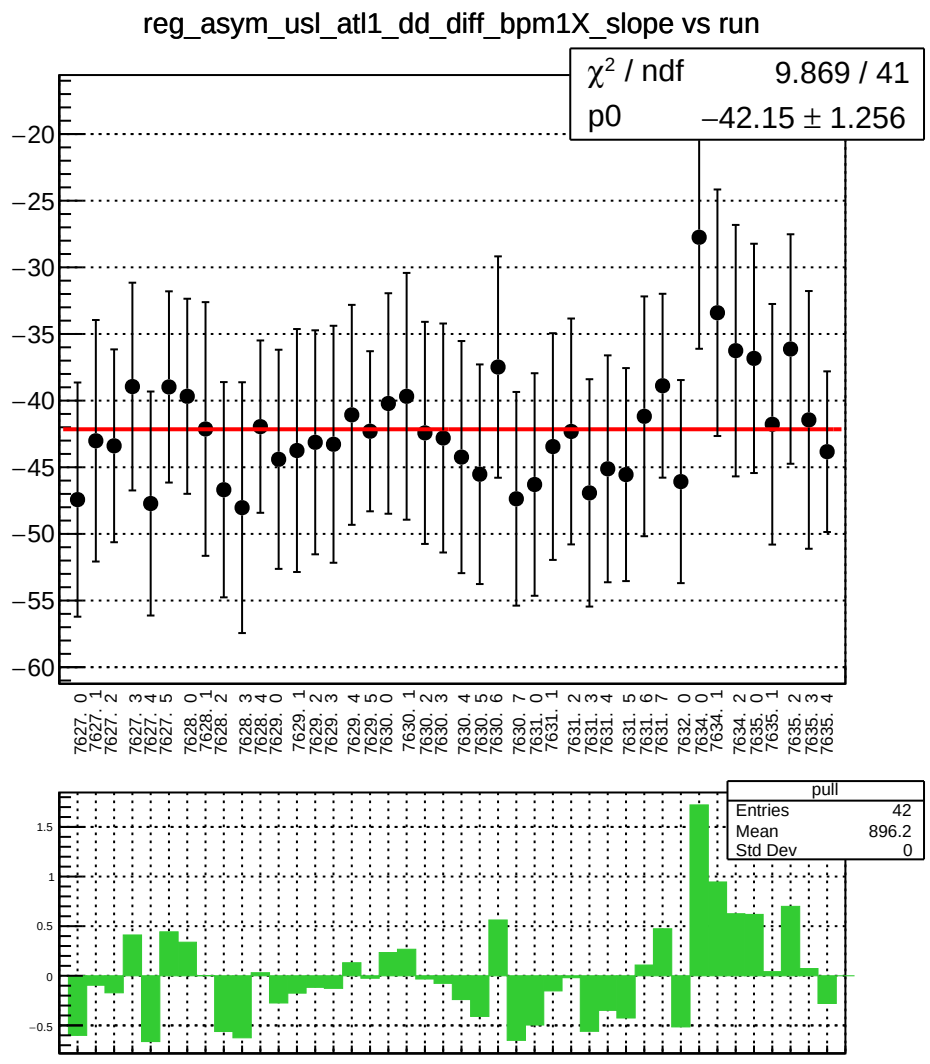

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.47 / 41
p0 −8.104 ± 0.7249
pull
Entries 42
Mean −390.9
Std Dev 0

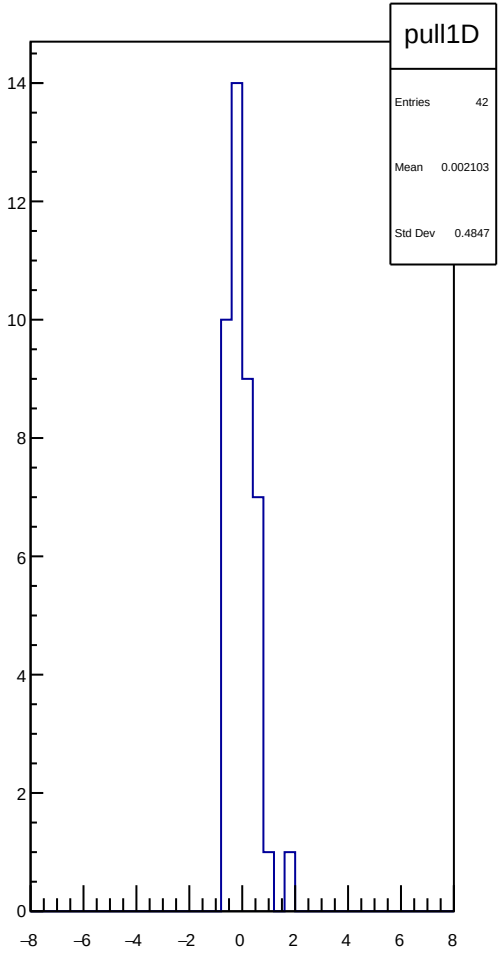

pull1D
Entries 42
Mean −0.007955
Std Dev 0.8792

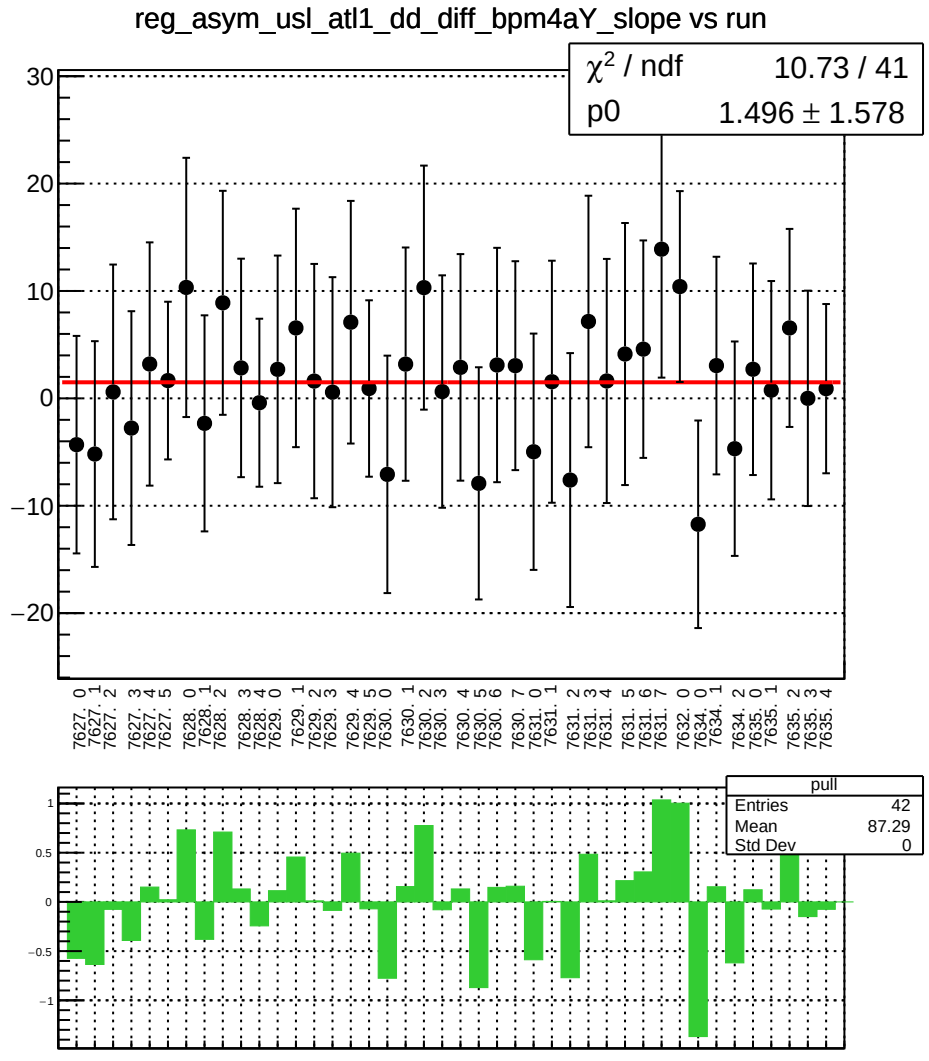

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.51 / 41
p0 −0.6547 ± 1.646
pull
Entries 42
Mean −132.7
Std Dev 0

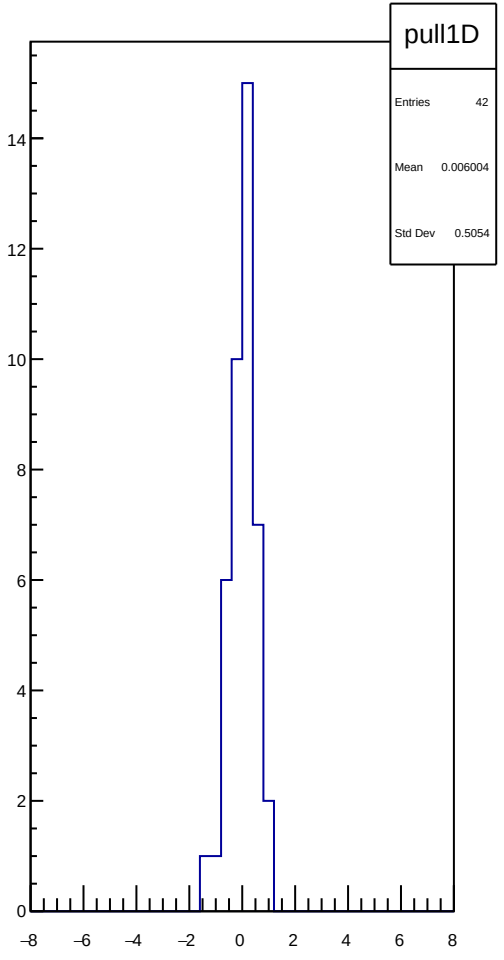

pull1D
Entries 42
Mean −0.02375
Std Dev 0.9062

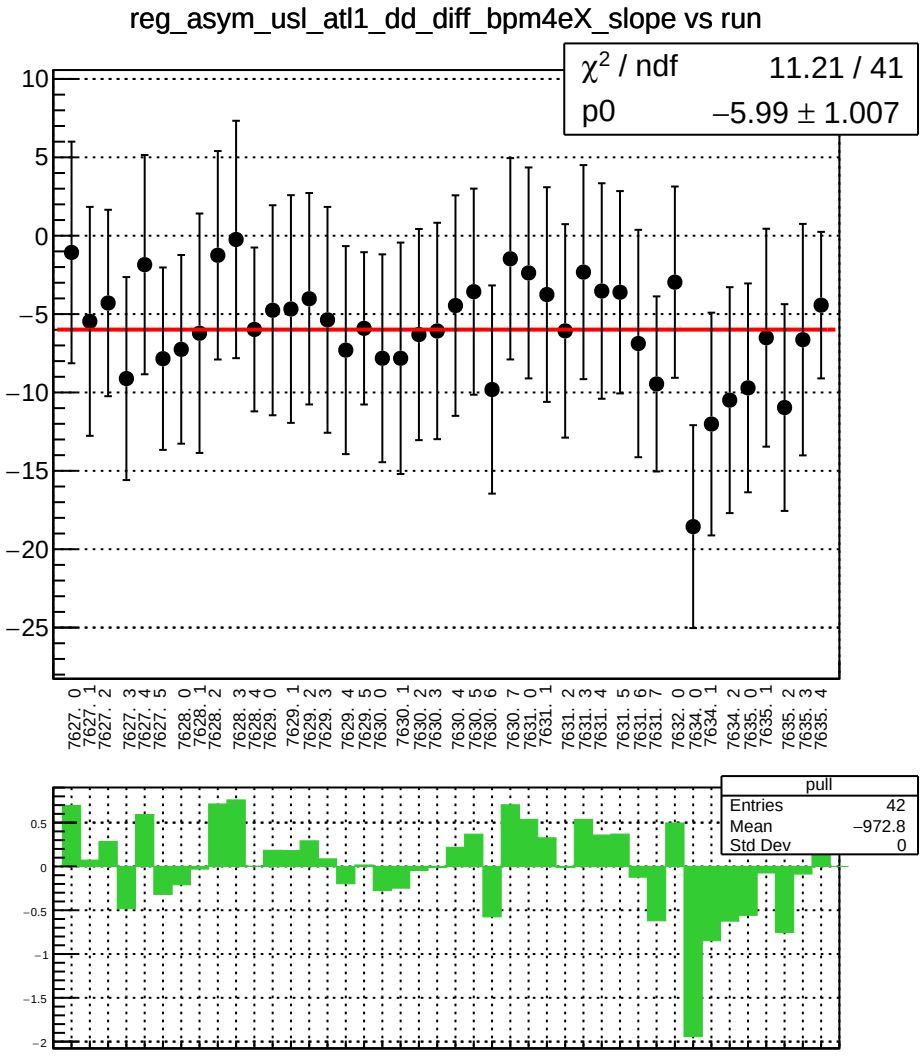

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 58.48 / 41
p0 −12.42 ± 0.1173
pull
Entries 42
Mean 118
Std Dev 0
pull1D
Entries 42
Mean −0.02978
Std Dev 1.18

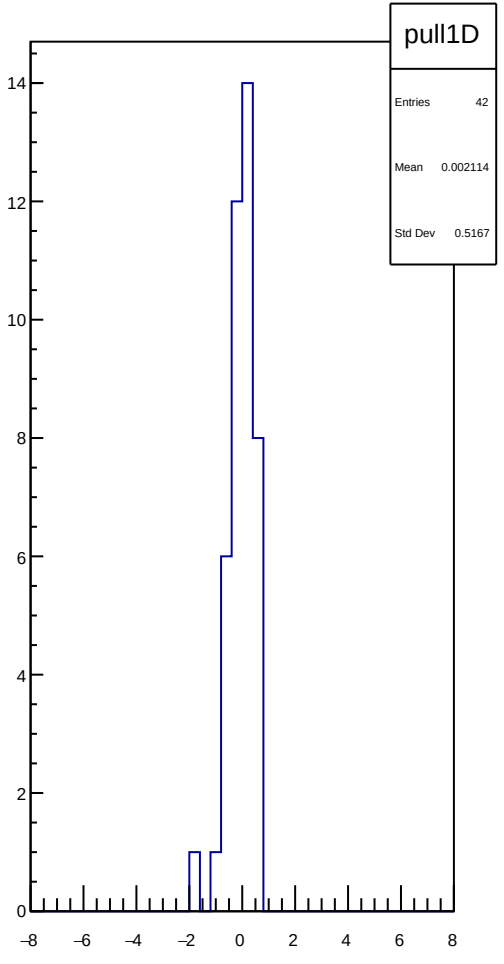

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 9.869 / 41
p0 −42.15 ± 1.256
pull
Entries 42
Mean 896.2
Std Dev 0

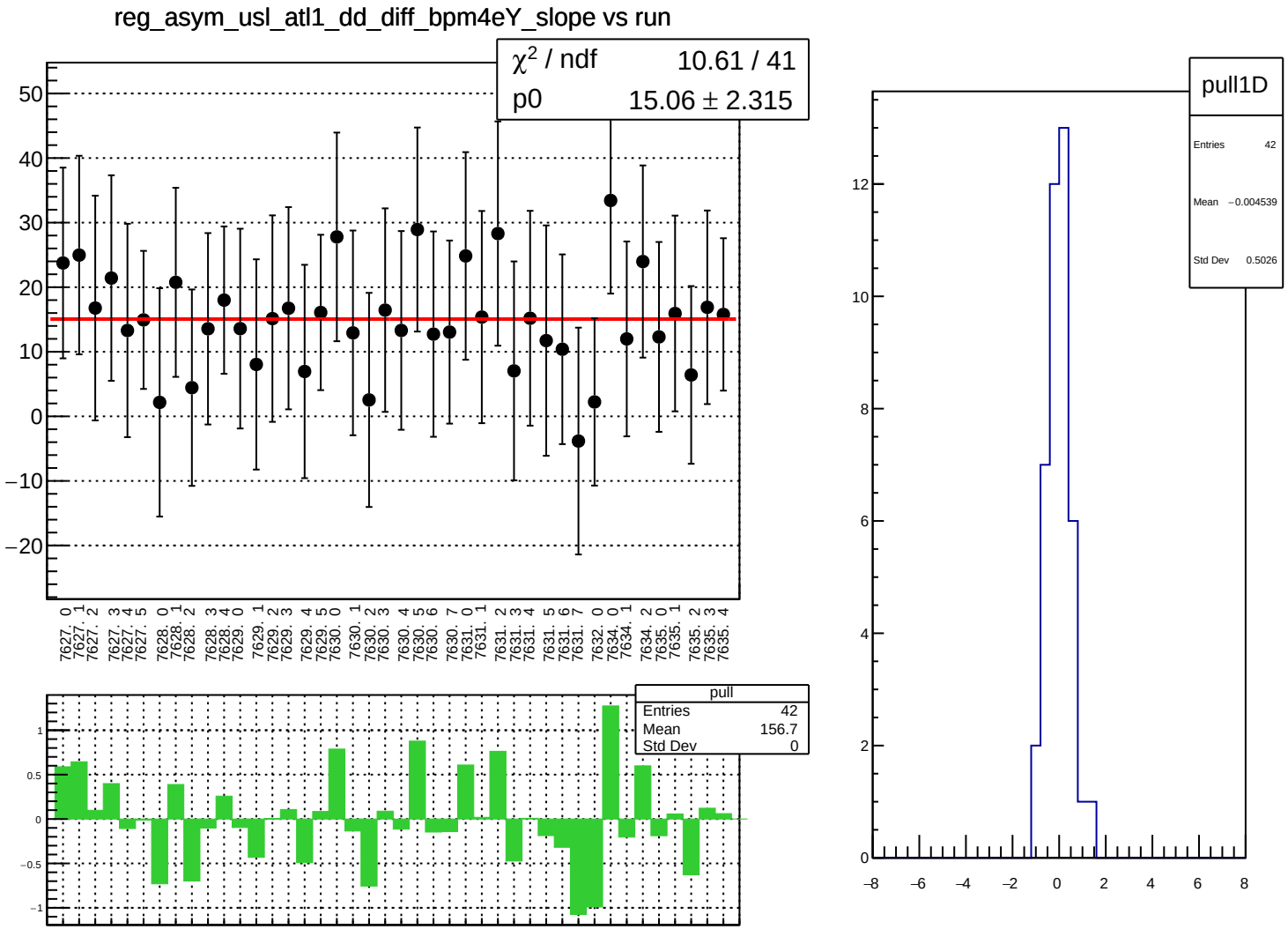

pull1D
Entries 42
Mean 0.002103
Std Dev 0.4847

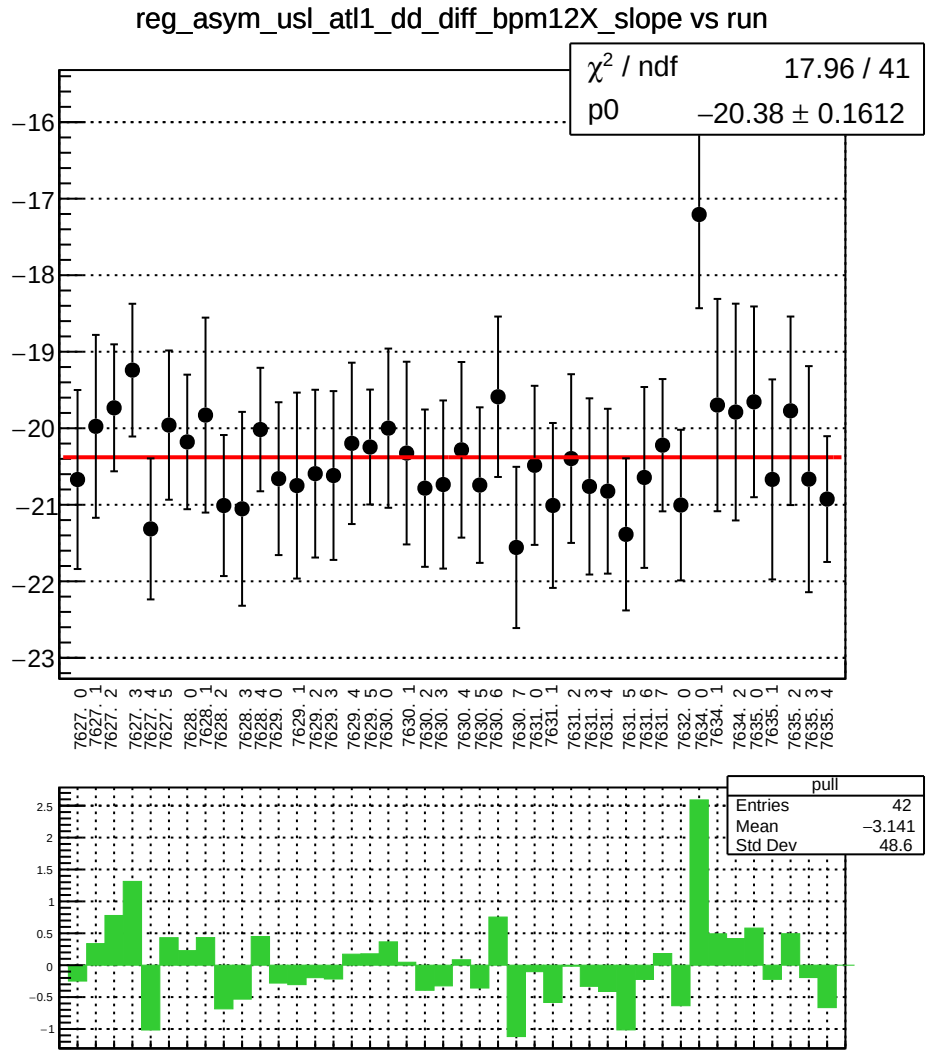

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.73 / 41
p0 1.496 ± 1.578
pull
Entries 42
Mean 87.29
Std Dev 0

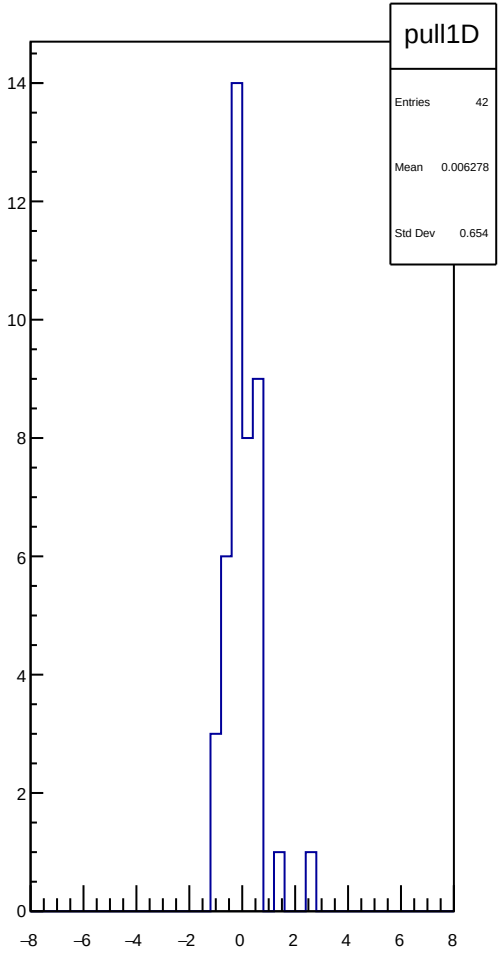

pull1D
Entries 42
Mean 0.006004
Std Dev 0.5054

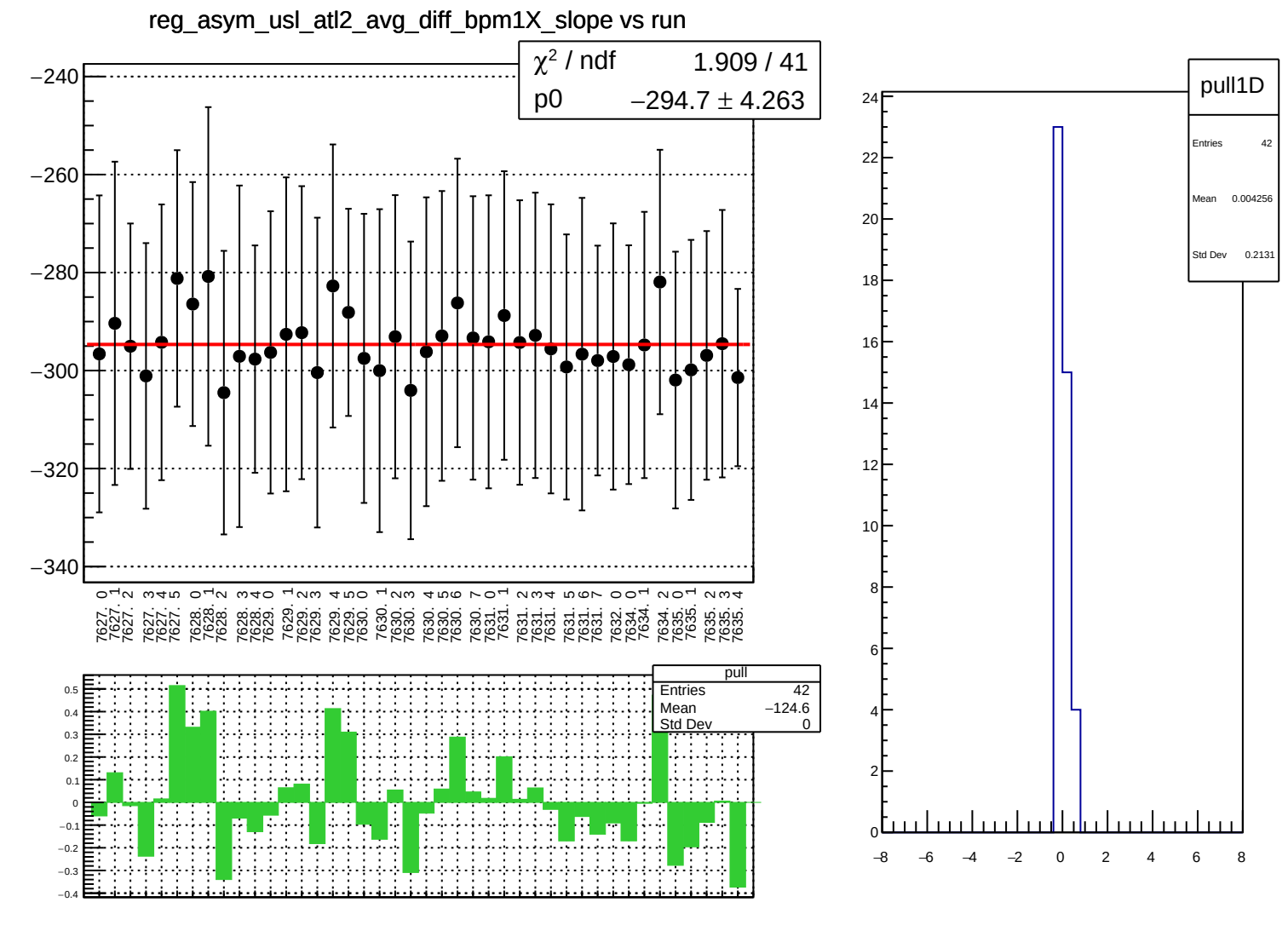

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.21 / 41
p0 −5.99 ± 1.007
pull
Entries 42
Mean −972.8
Std Dev 0

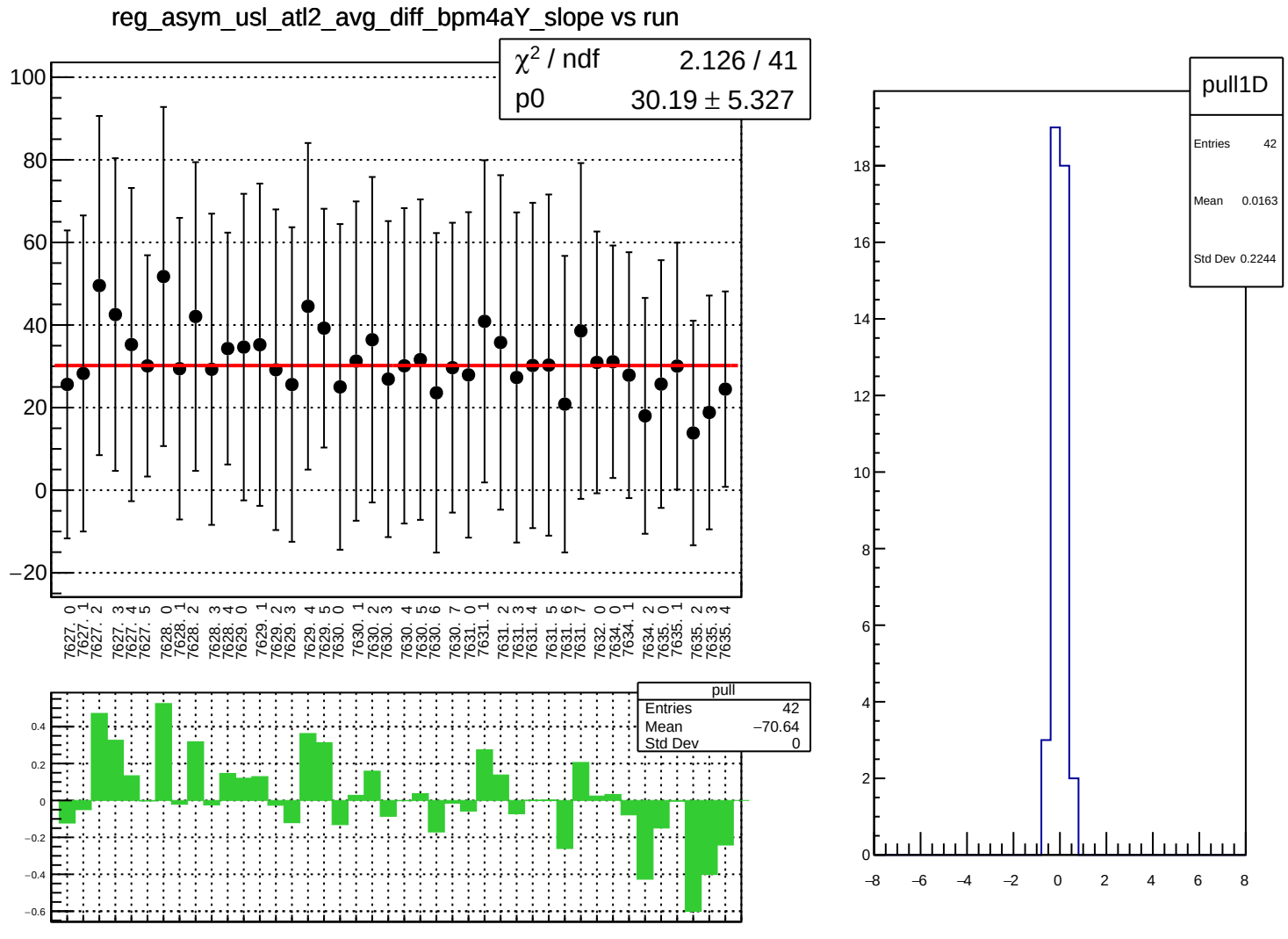

pull1D
Entries 42
Mean 0.002114
Std Dev 0.5167

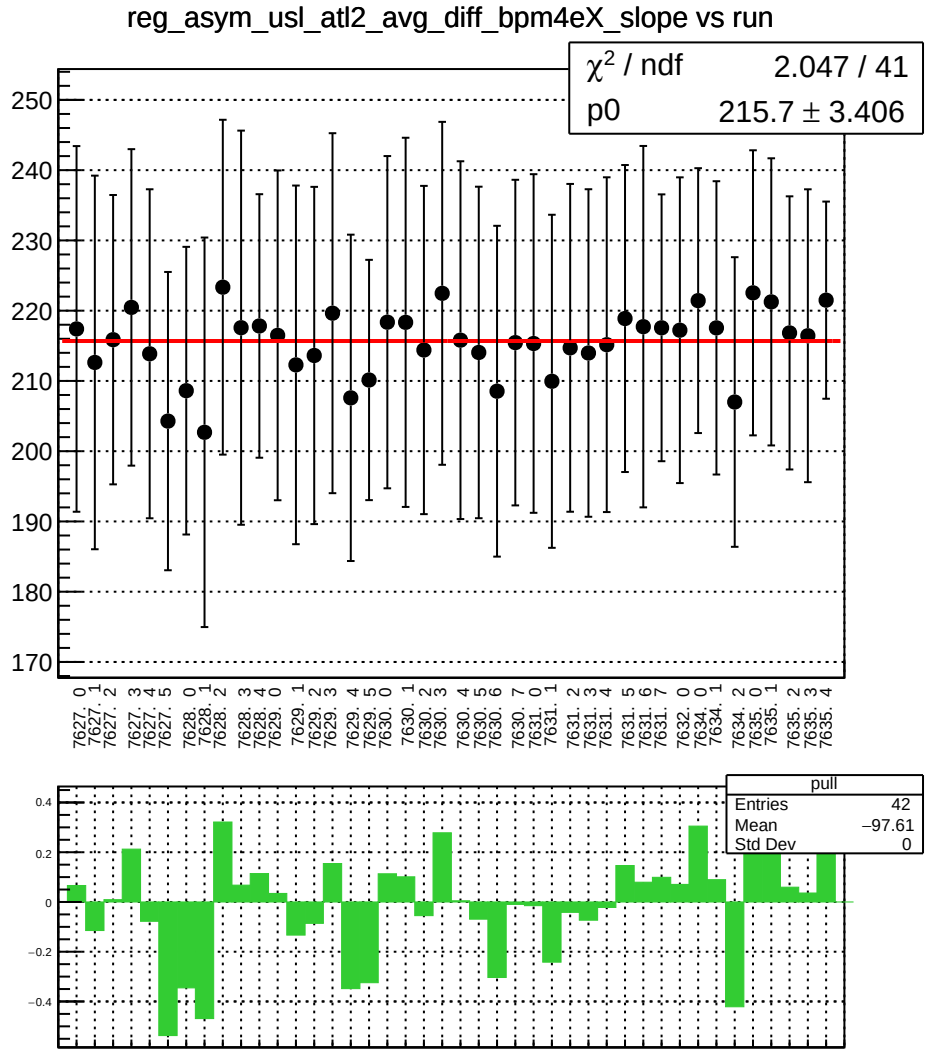

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.61 / 41
p0 15.06 ± 2.315
pull
Entries 42
Mean 156.7
Std Dev 0
pull1D
Entries 42
Mean −0.004539
Std Dev 0.5026

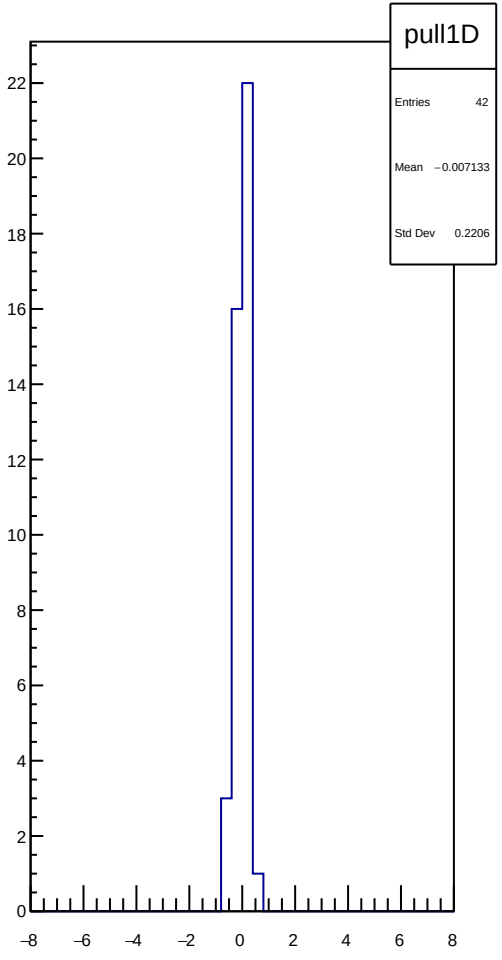

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 17.96 / 41
p0 −20.38 ± 0.1612
pull
Entries 42
Mean −3.141
Std Dev 48.6

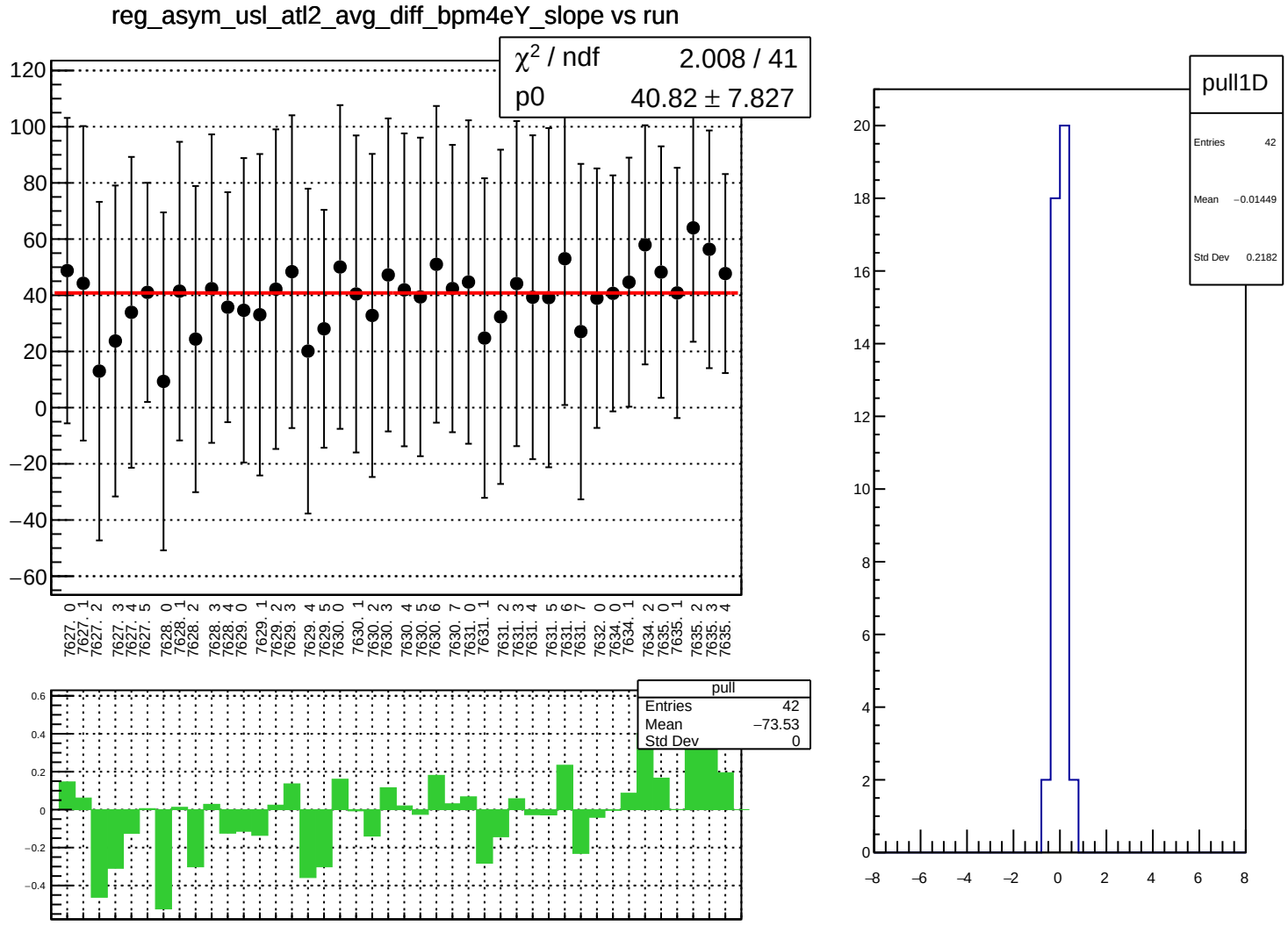

pull1D
Entries 42
Mean 0.006278
Std Dev 0.654

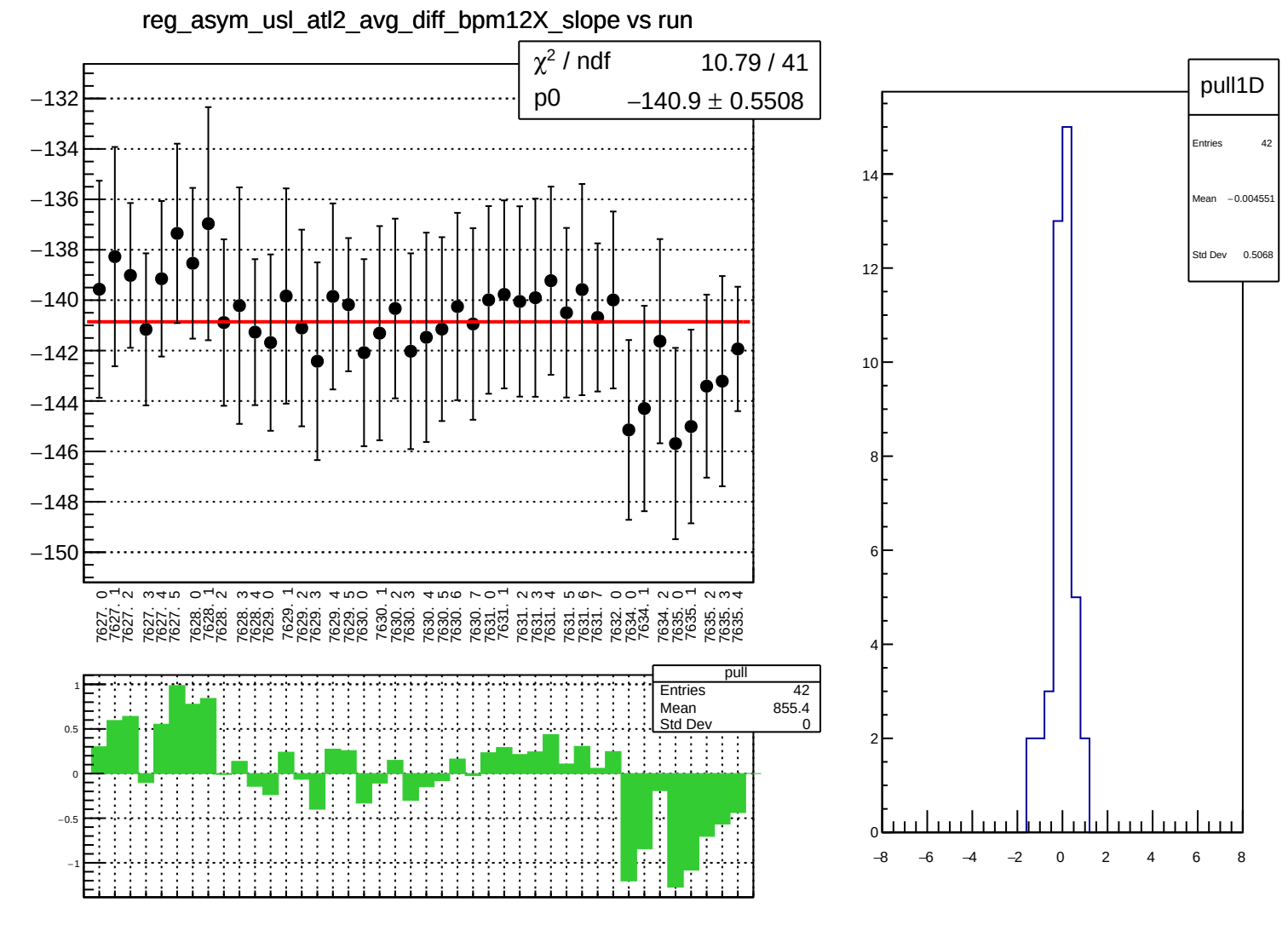

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 1.909 / 41
p0 −294.7 ± 4.263
pull
Entries 42
Mean −124.6
Std Dev 0
pull1D
Entries 42
Mean 0.004256
Std Dev 0.2131

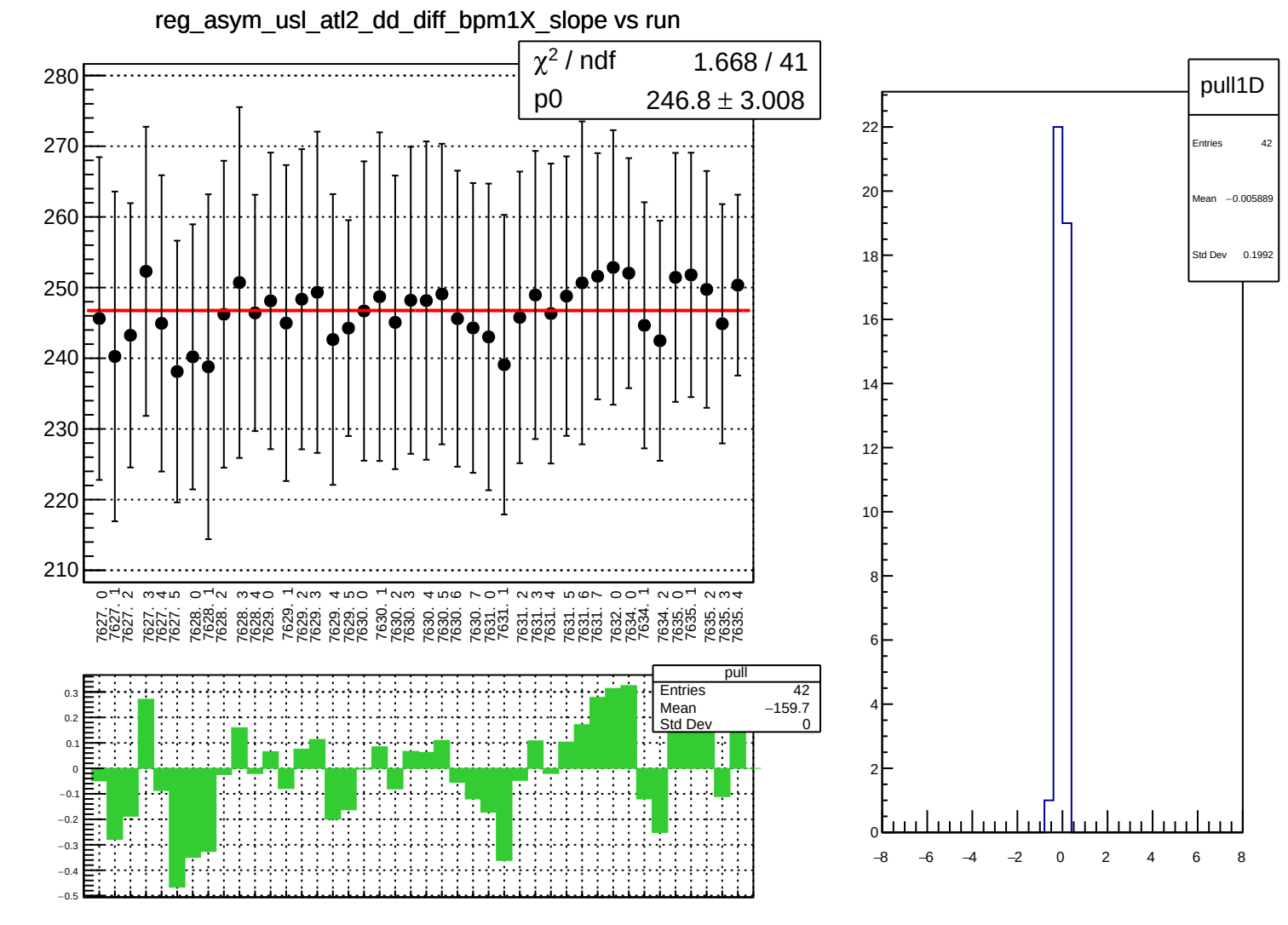

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.126 / 41
p0 30.19 ± 5.327
pull
Entries 42
Mean −70.64
Std Dev 0
pull1D
Entries 42
Mean 0.0163
Std Dev 0.2244

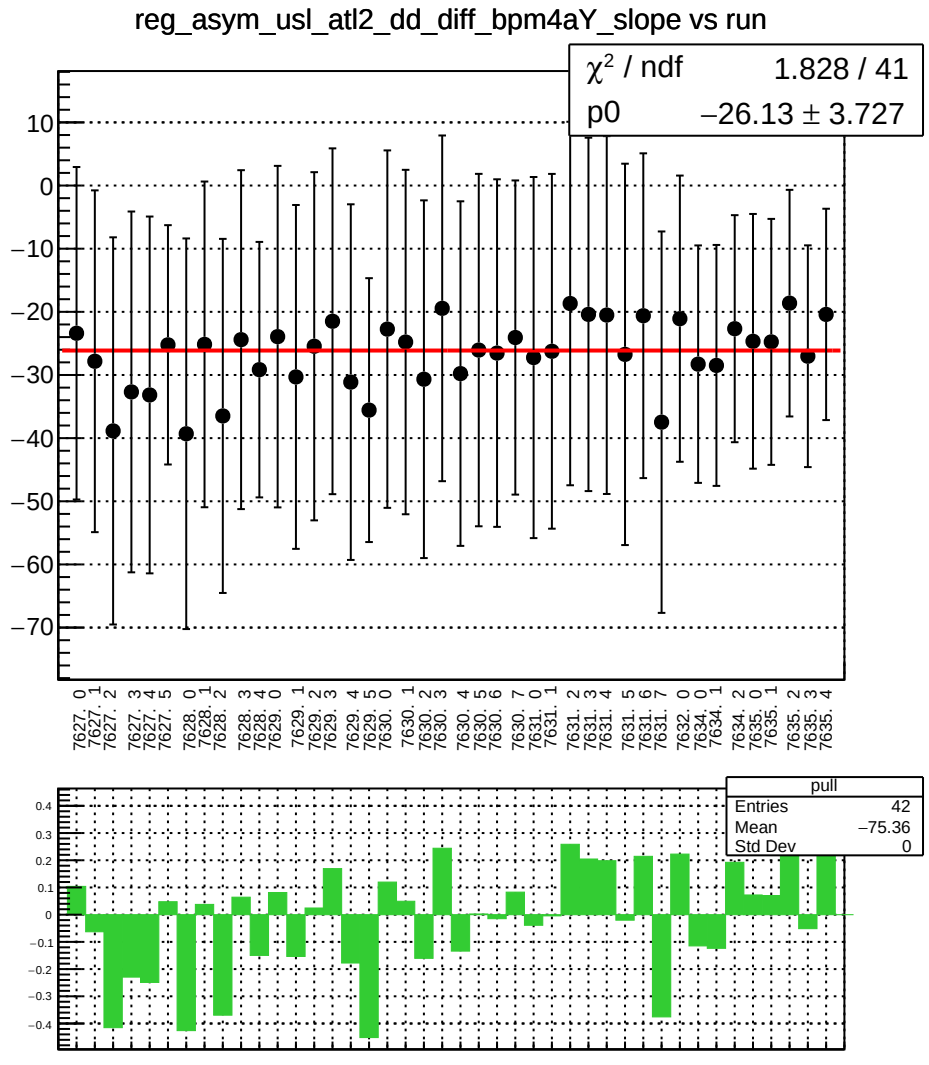

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.047 / 41
p0 215.7 ± 3.406
250
240
230
220
210
200
190
180
170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −97.61
Std Dev 0
0.4
0.2
0
−0.2
−0.4

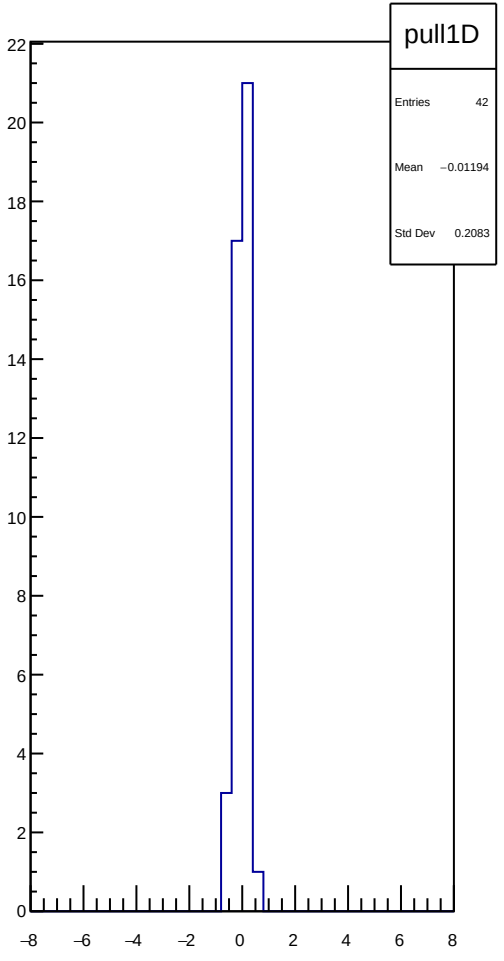

pull1D
Entries 42
Mean −0.007133
Std Dev 0.2206
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

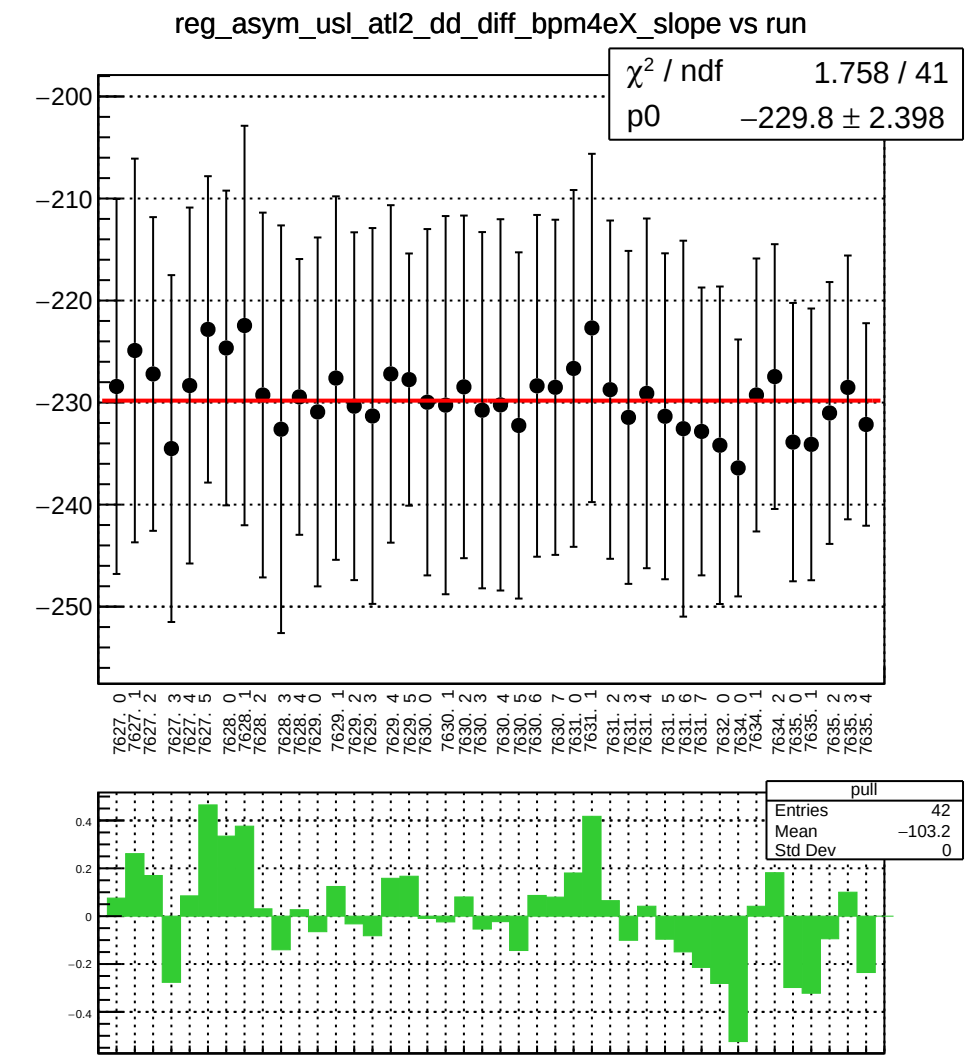

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.008 / 41
p0 40.82 ± 7.827
pull
Entries 42
Mean −73.53
Std Dev 0
pull1D
Entries 42
Mean −0.01449
Std Dev 0.2182

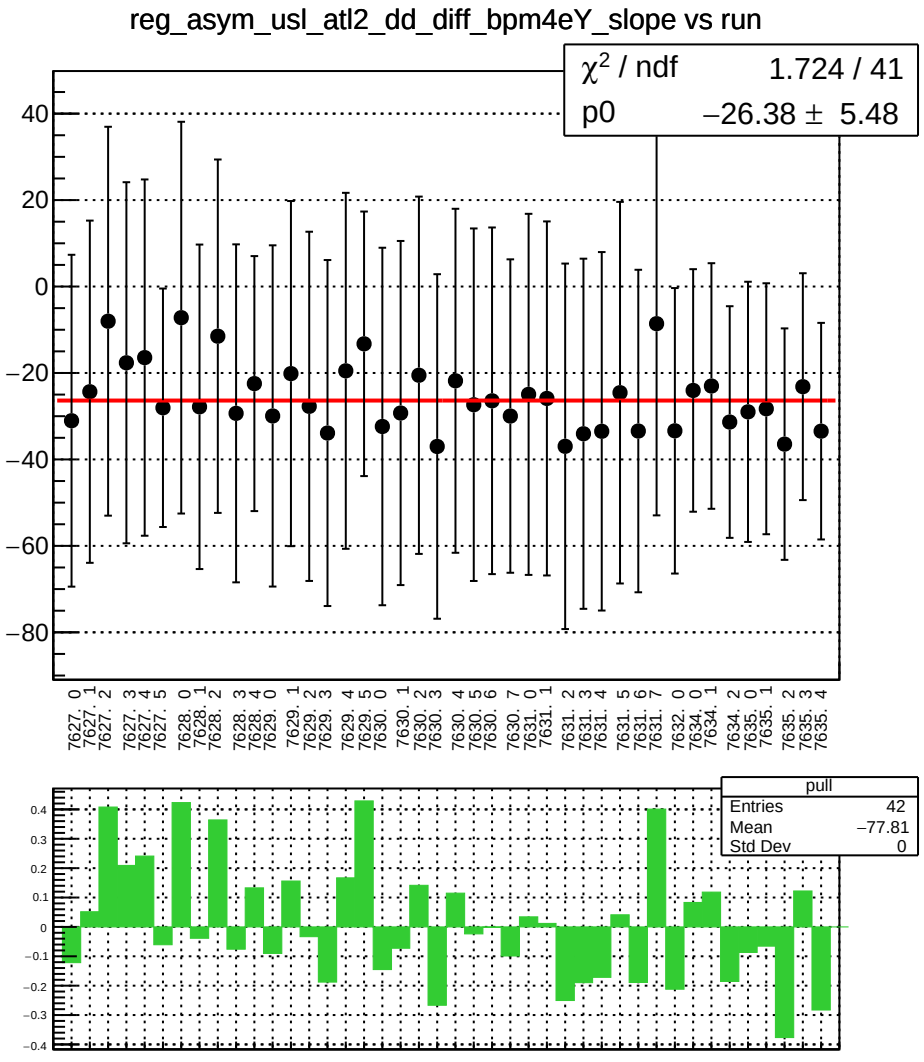

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 10.79 / 41
p0 −140.9 ± 0.5508
pull
Entries 42
Mean 855.4
Std Dev 0
pull1D
Entries 42
Mean −0.004551
Std Dev 0.5068

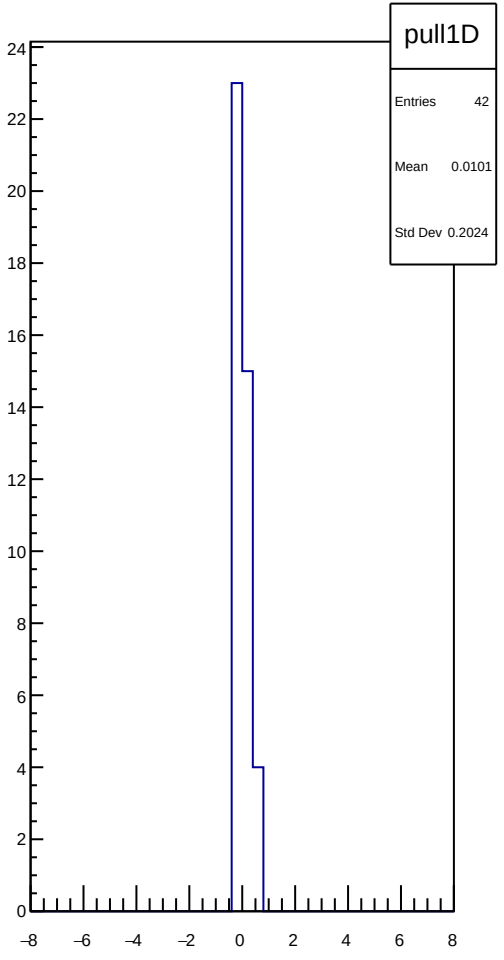

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1.668 / 41
p0 246.8 ± 3.008
pull
Entries 42
Mean −159.7
Std Dev 0
pull1D
Entries 42
Mean −0.005889
Std Dev 0.1992

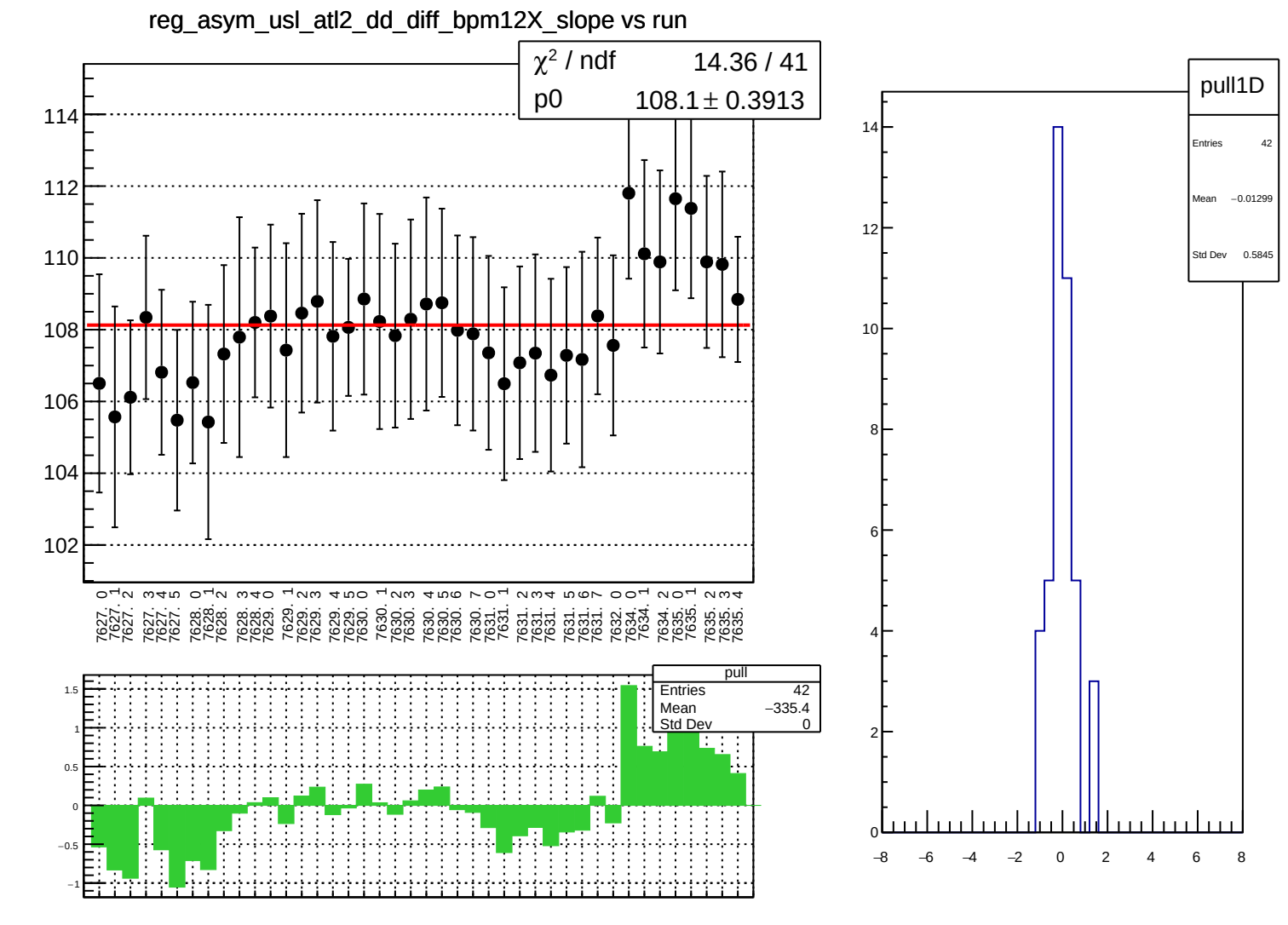

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.828 / 41
p0 −26.13 ± 3.727
pull
Entries 42
Mean −75.36
Std Dev 0

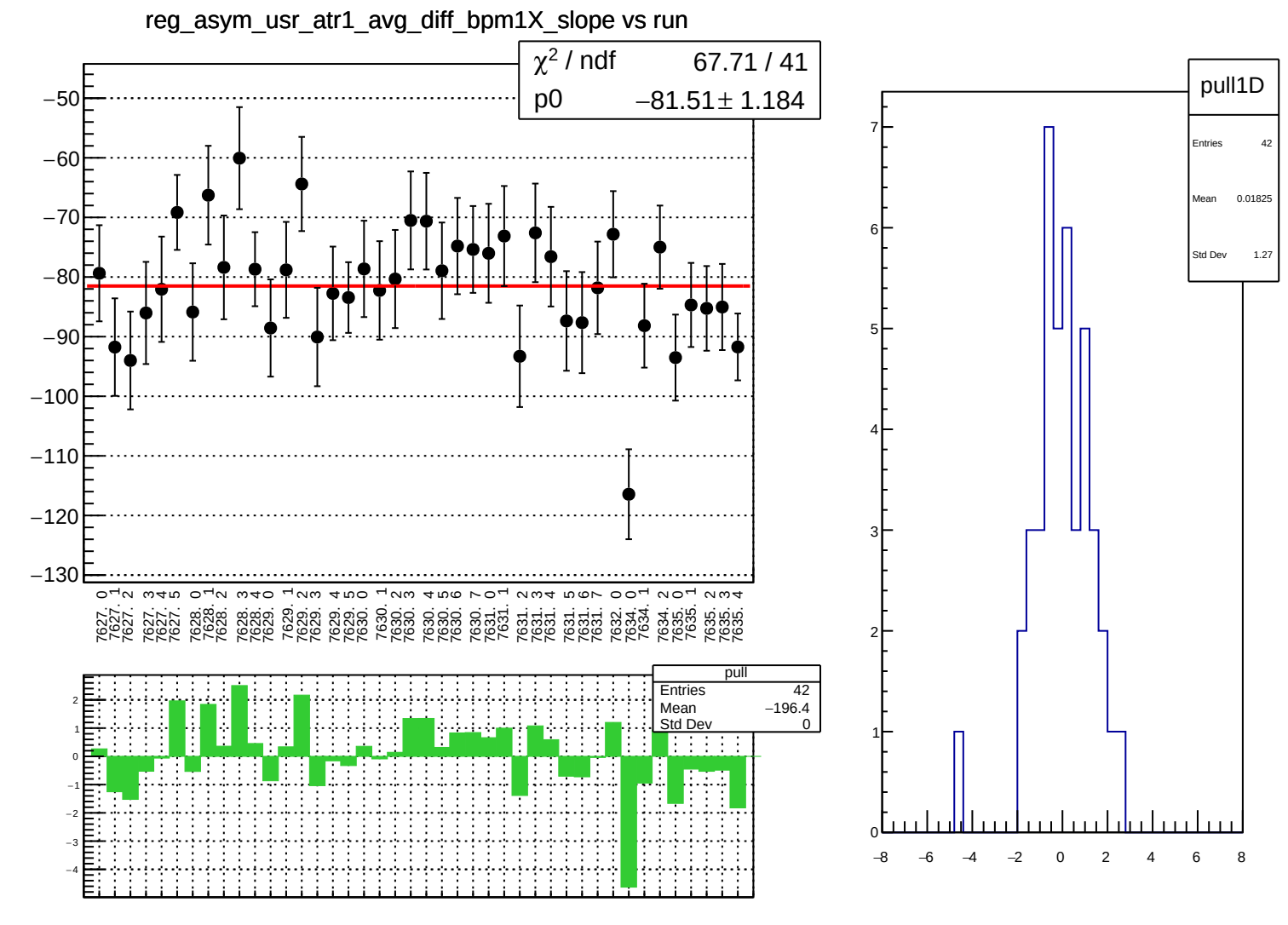

pull1D
Entries 42
Mean −0.01194
Std Dev 0.2083

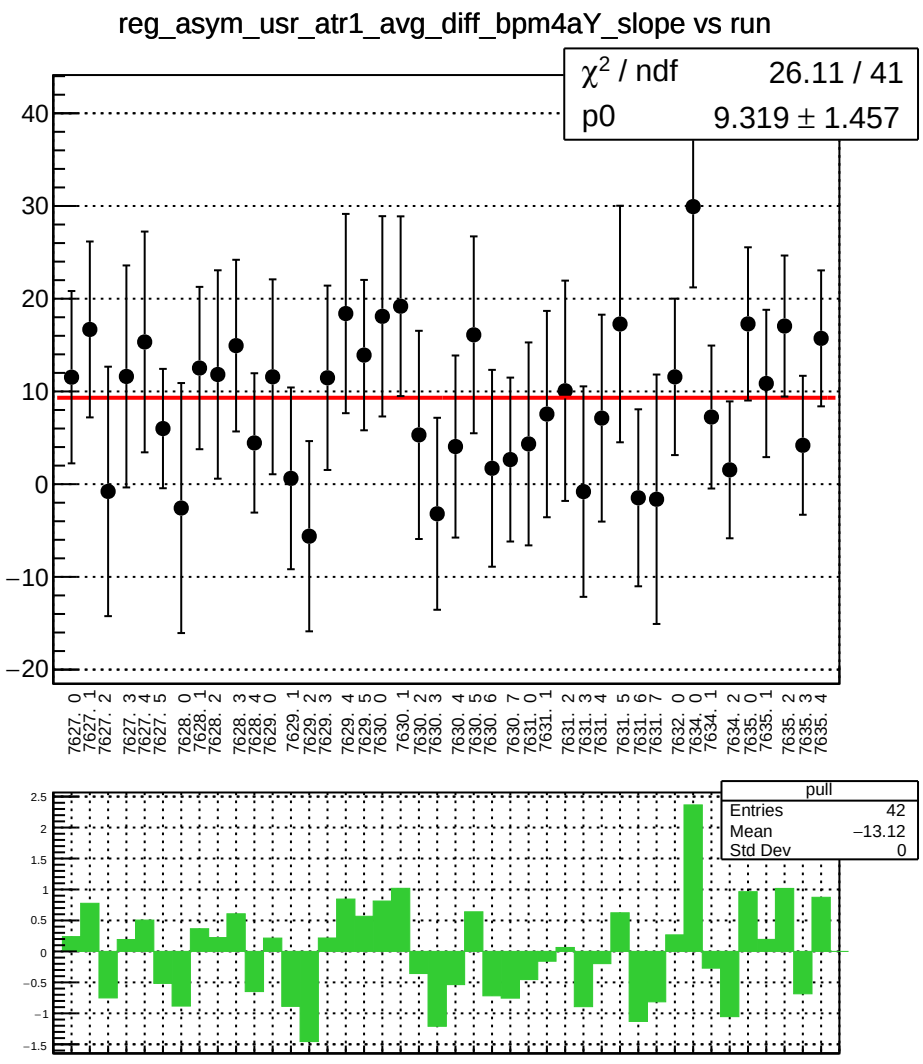

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.758 / 41
p0 −229.8 ± 2.398
−200
−210
−220
−230
−240
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −103.2
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean 0.009145
Std Dev 0.2044
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

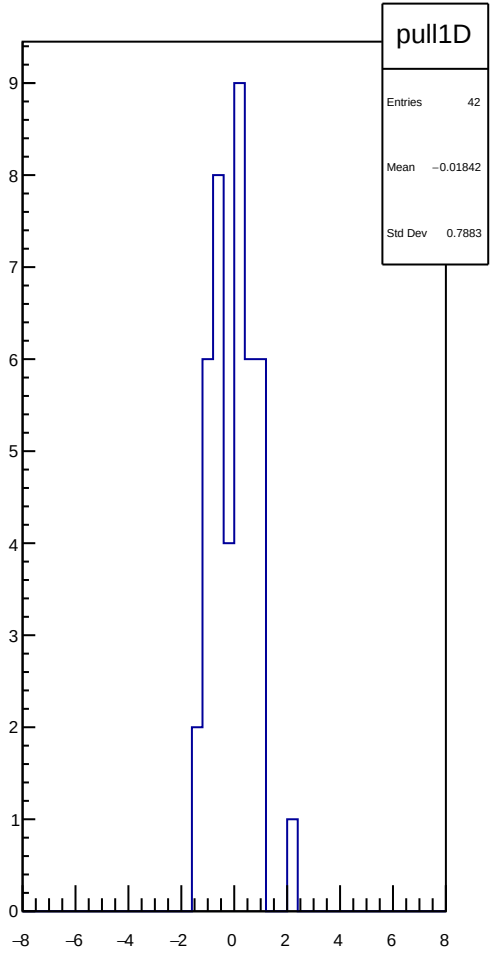

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.724 / 41
p0 −26.38 ± 5.48
pull
Entries 42
Mean −77.81
Std Dev 0

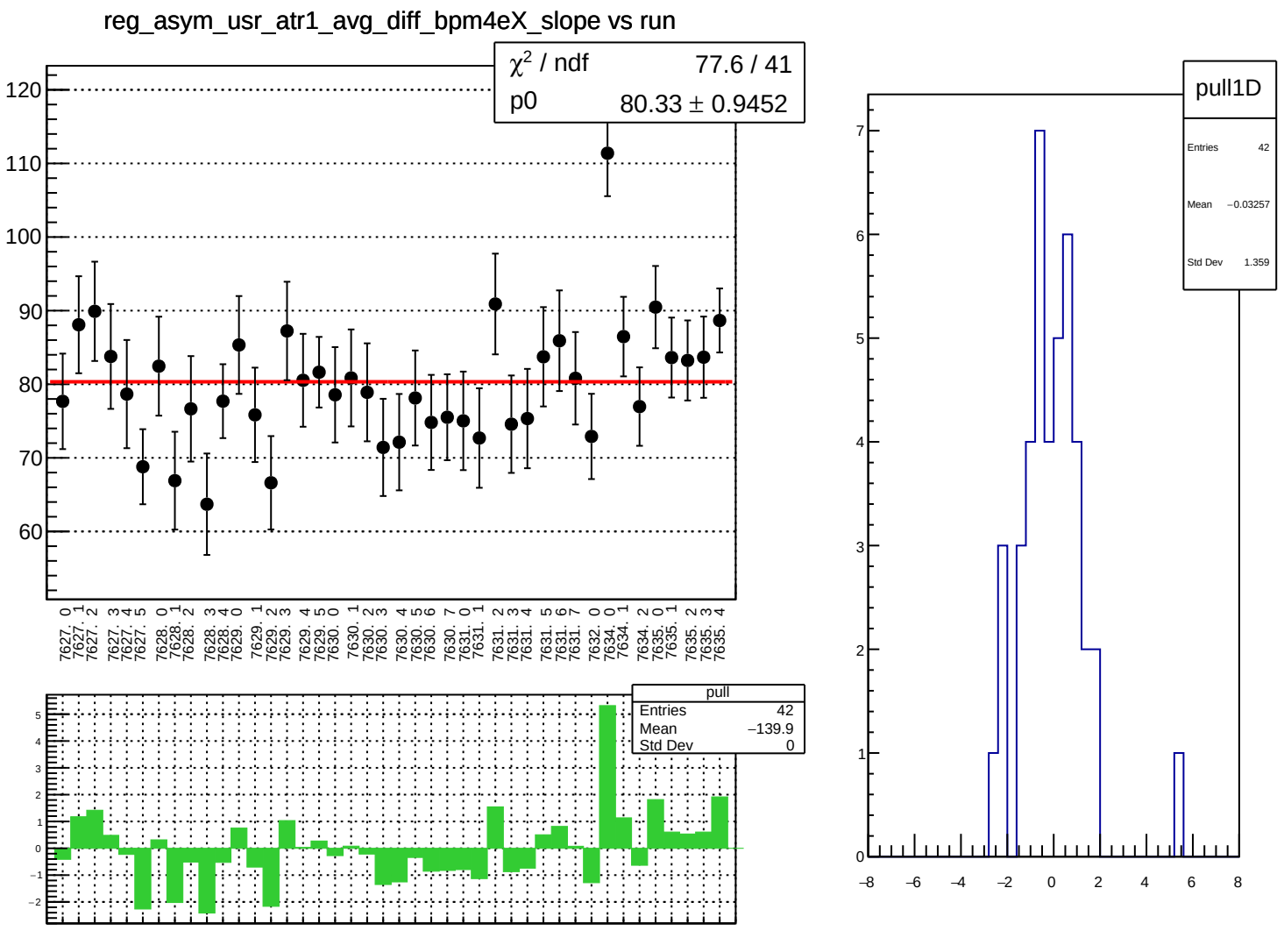

pull1D
Entries 42
Mean 0.0101
Std Dev 0.2024

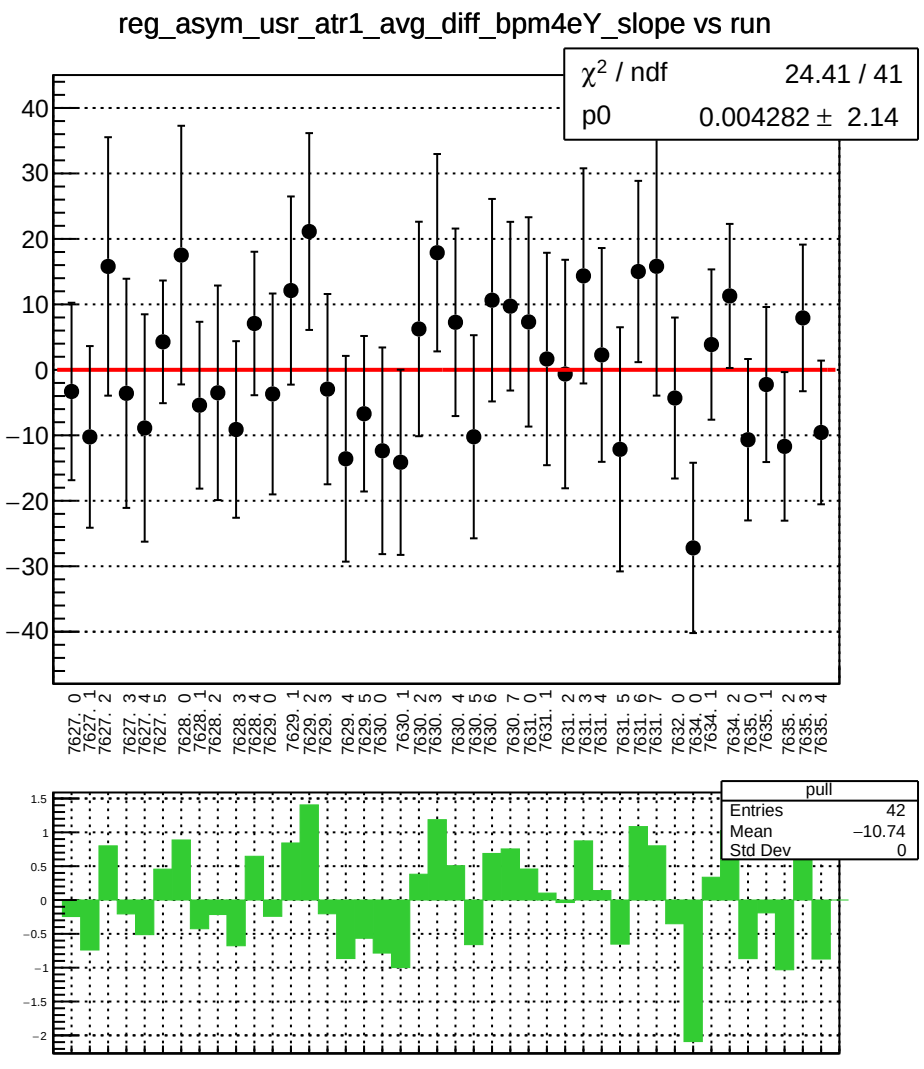

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.36 / 41
p0 108.1 ± 0.3913
114
112
110
108
106
104
102
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −335.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 42
Mean −0.01299
Std Dev 0.5845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

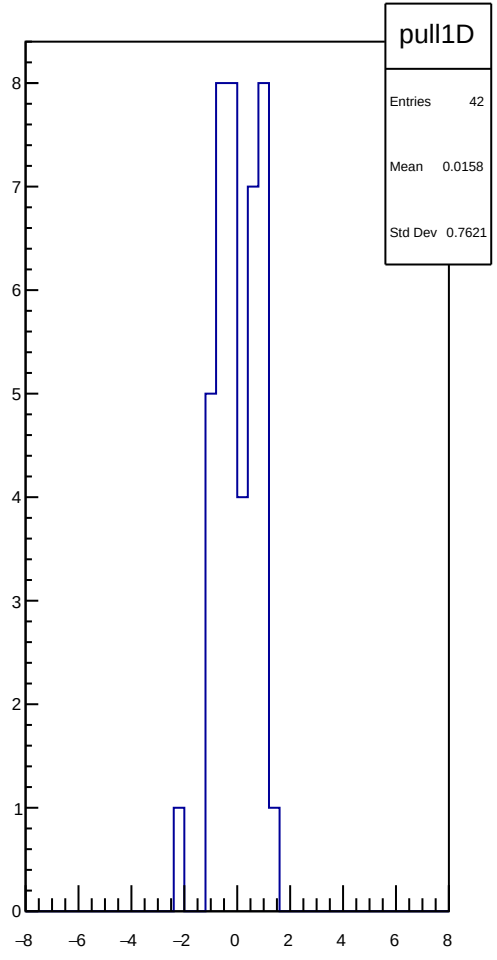

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 67.71 / 41
p0 −81.51 ± 1.184
pull
Entries 42
Mean −196.4
Std Dev 0
pull1D
Entries 42
Mean 0.01825
Std Dev 1.27

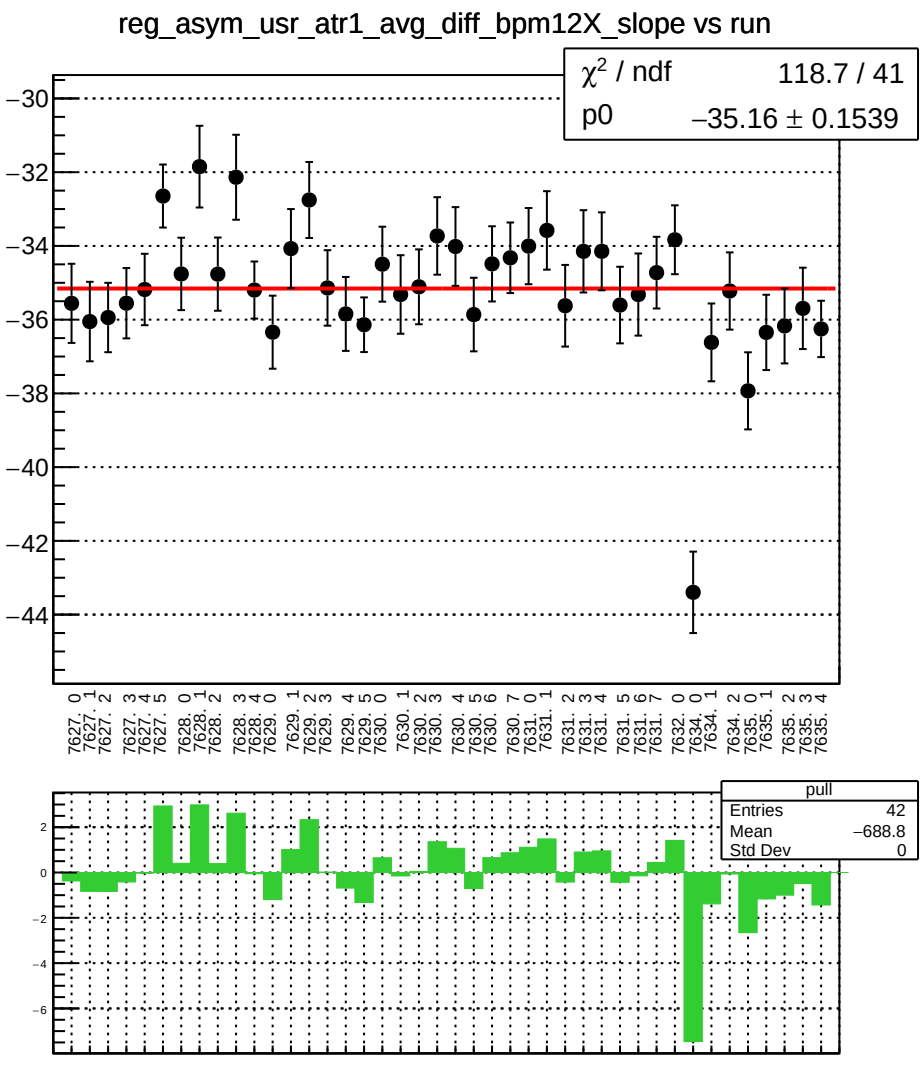

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.11 / 41
p0 9.319 ± 1.457
pull
Entries 42
Mean −13.12
Std Dev 0

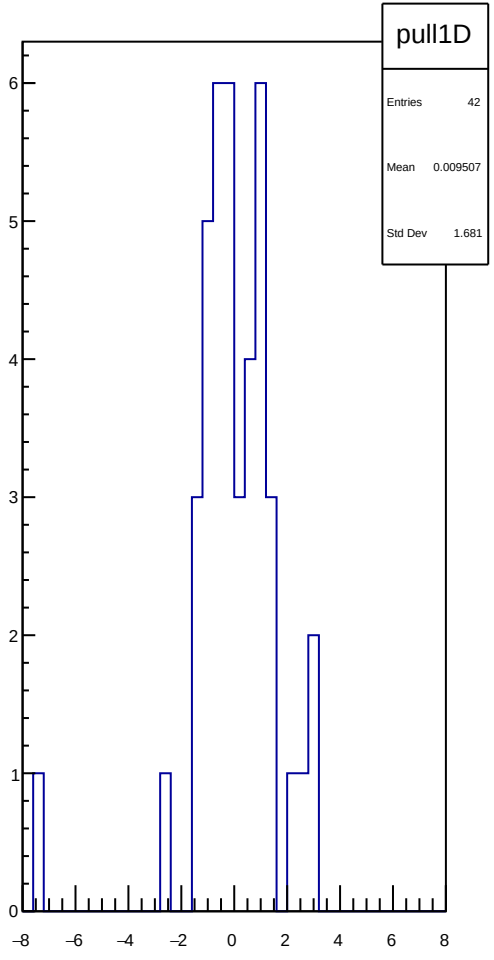

pull1D
Entries 42
Mean −0.01842
Std Dev 0.7883

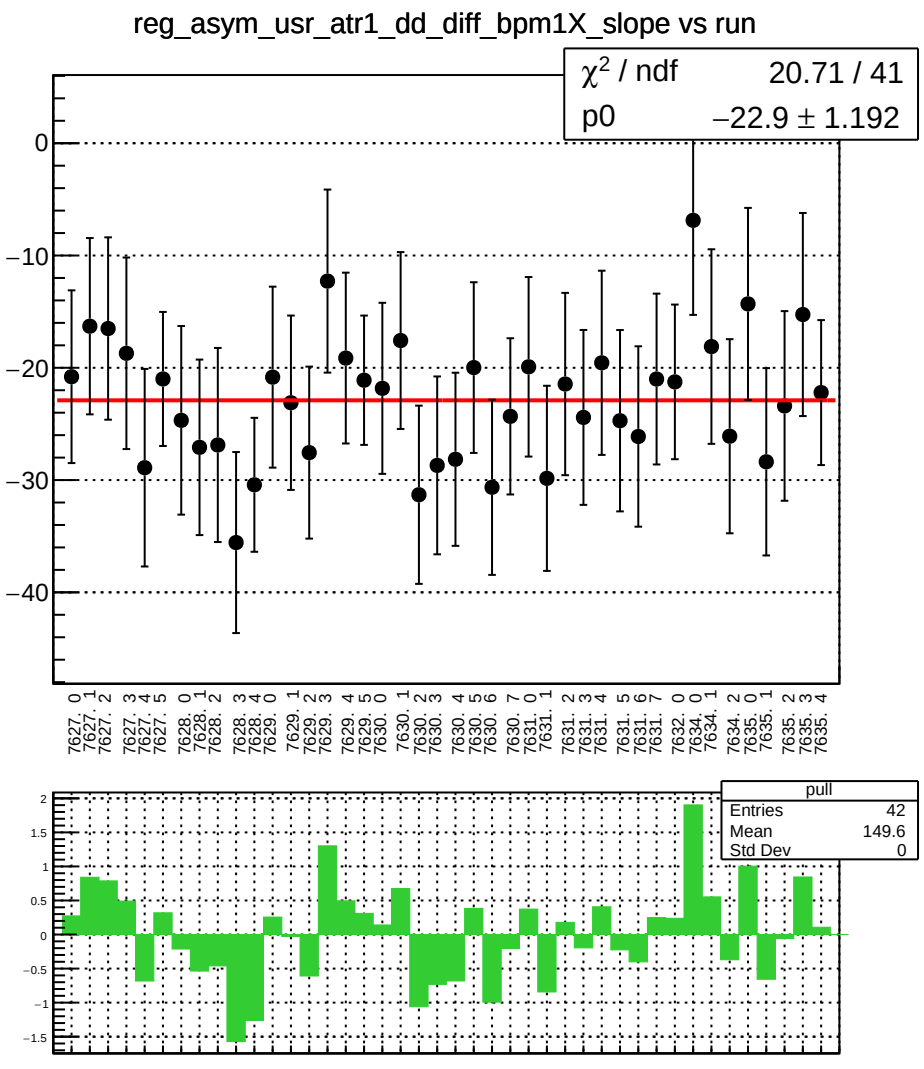

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 77.6 / 41
p0 80.33 ± 0.9452
pull
Entries 42
Mean −139.9
Std Dev 0
pull1D
Entries 42
Mean −0.03257
Std Dev 1.359

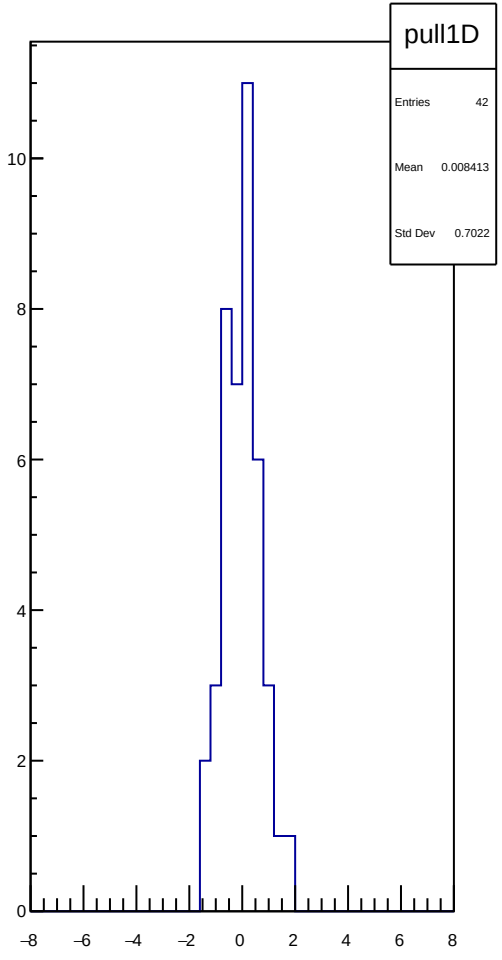

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.41 / 41
p0 0.004282 ± 2.14
pull
Entries 42
Mean −10.74
Std Dev 0

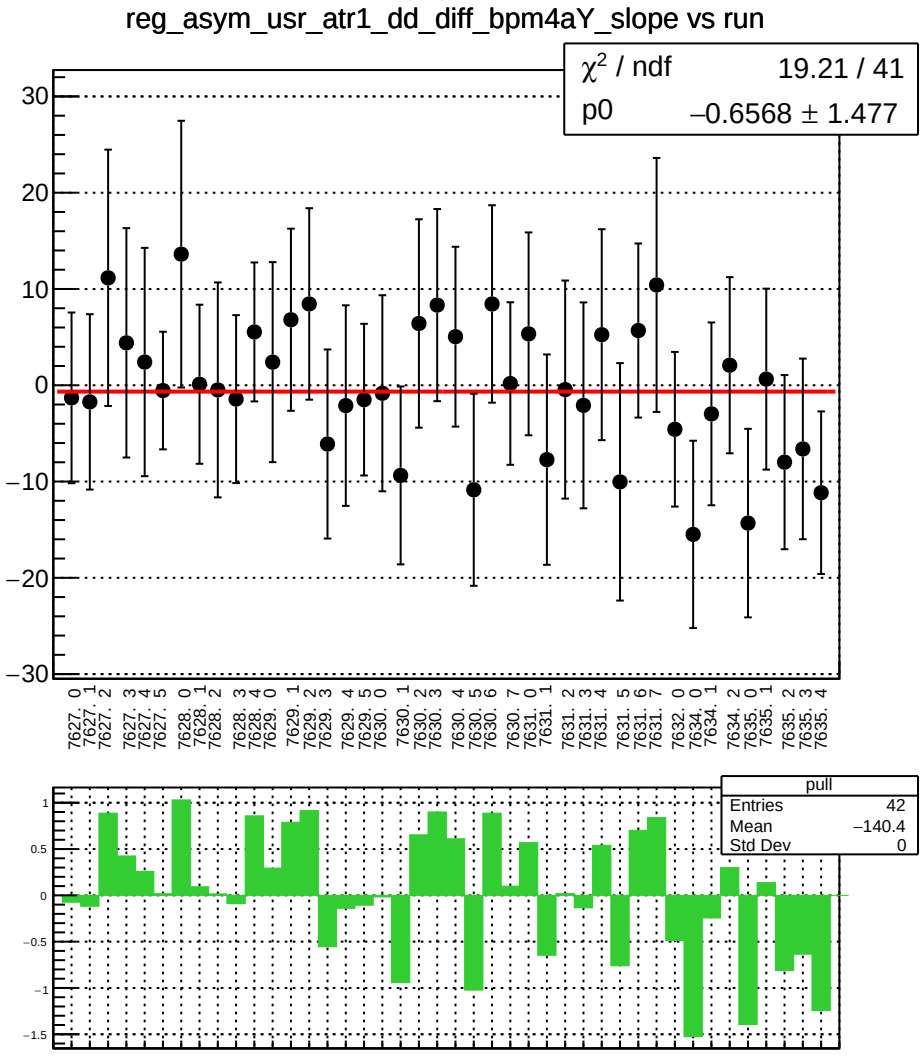

pull1D
Entries 42
Mean 0.0158
Std Dev 0.7621

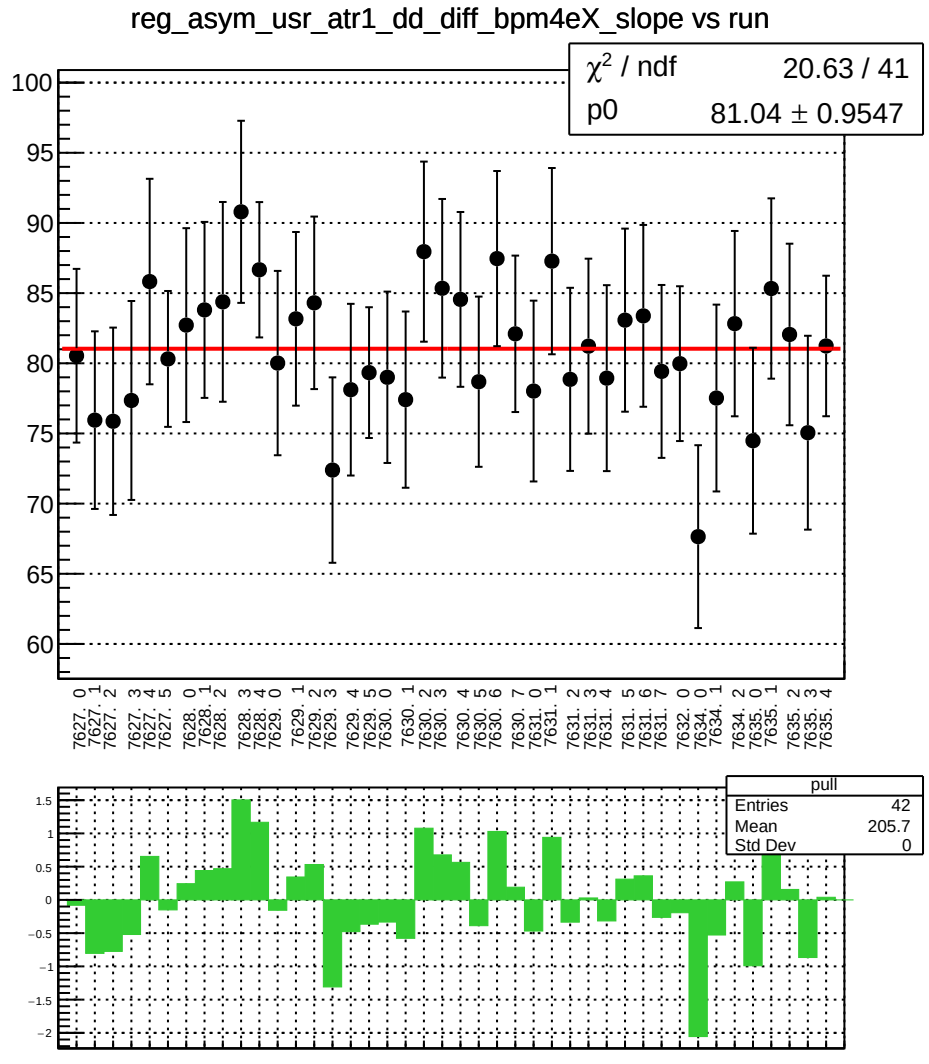

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 118.7 / 41
p0 −35.16 ± 0.1539
pull
Entries 42
Mean −688.8
Std Dev 0

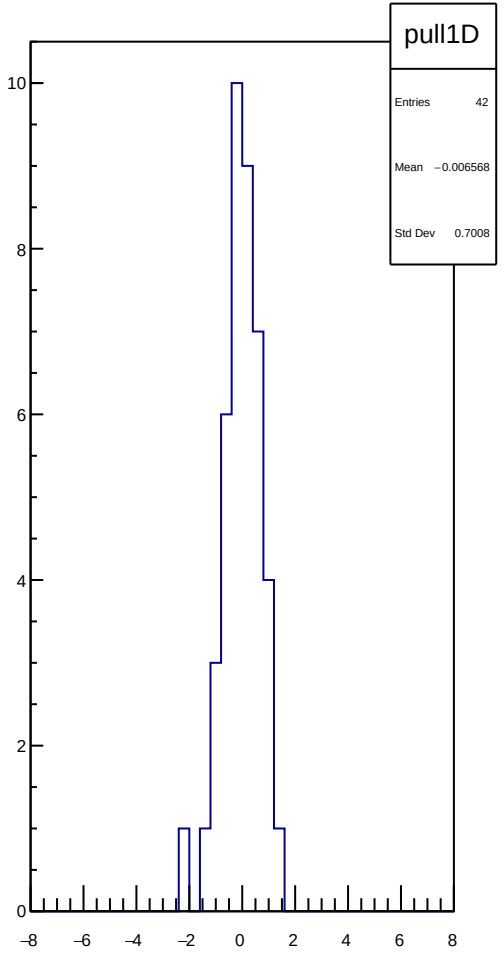

pull1D
Entries 42
Mean 0.009507
Std Dev 1.681

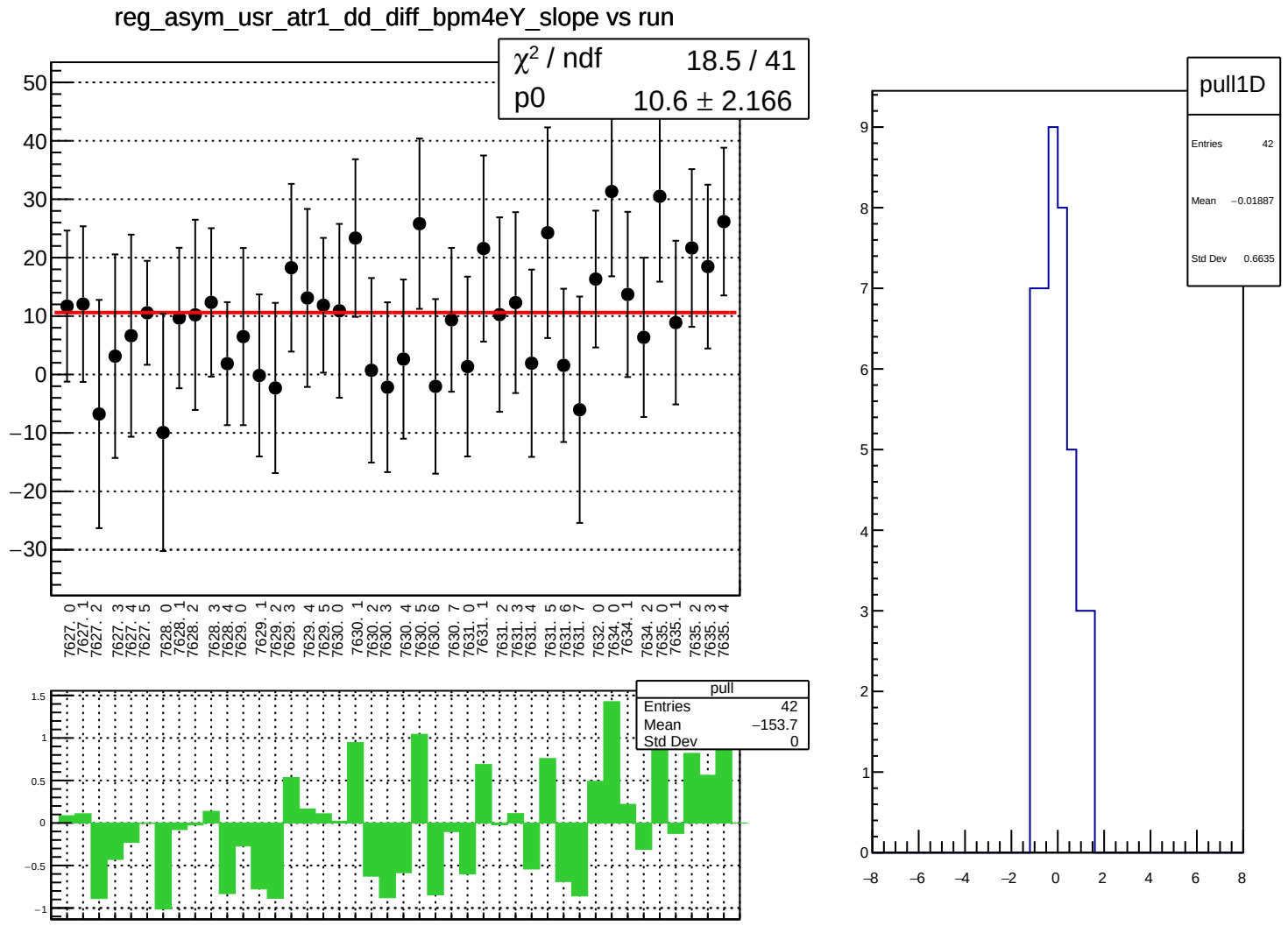

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 20.71 / 41
p0 −22.9 ± 1.192
0
−10
−20
−30
−40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 149.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

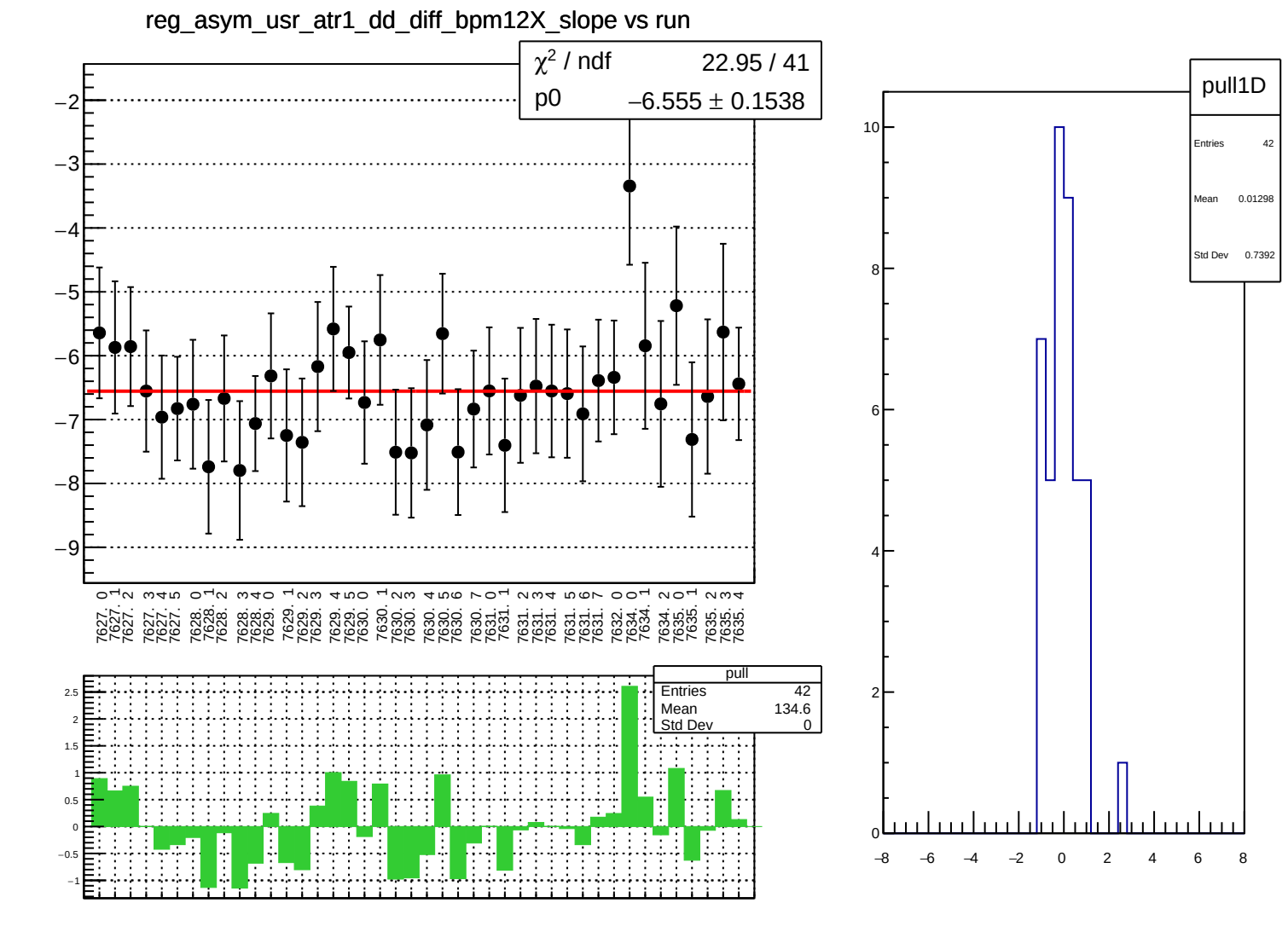

pull1D
Entries 42
Mean 0.008413
Std Dev 0.7022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

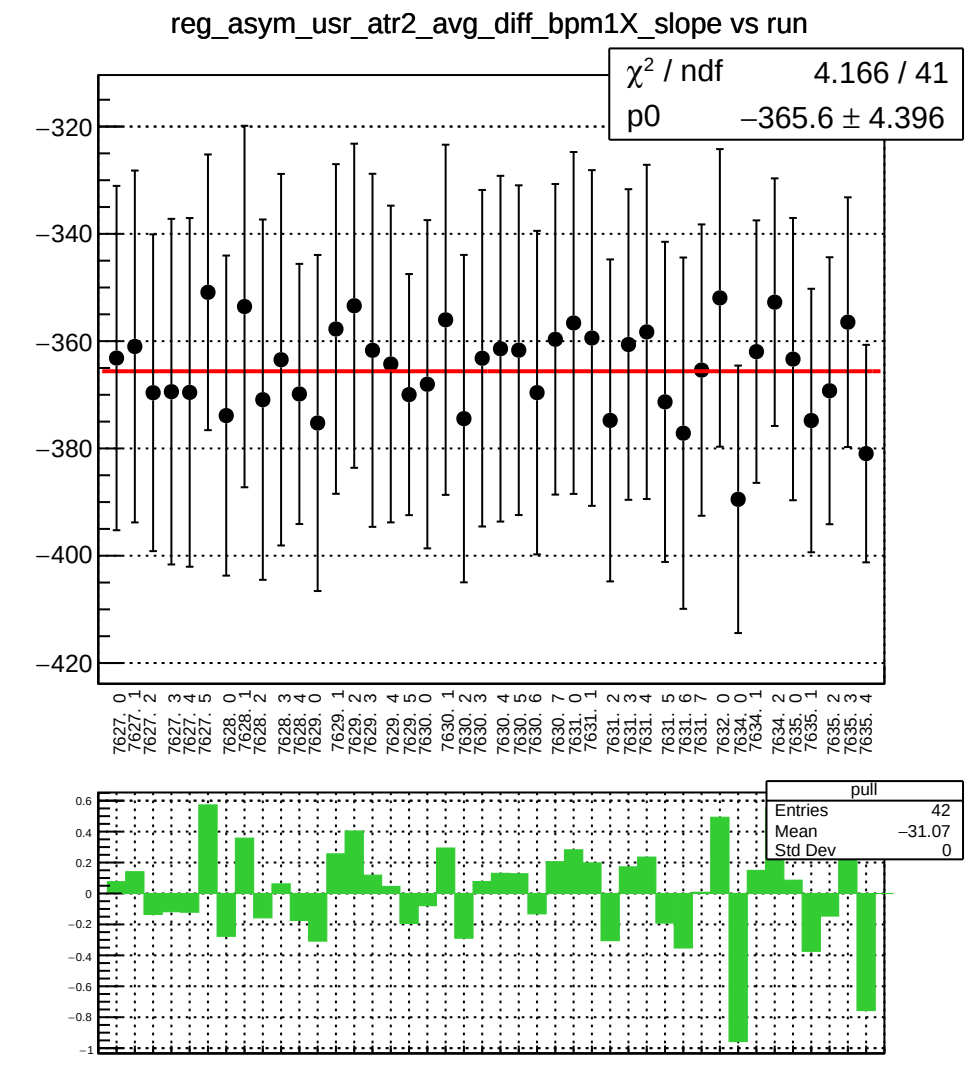

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.21 / 41
p0 −0.6568 ± 1.477
pull
Entries 42
Mean −140.4
Std Dev 0
pull1D
Entries 42
Mean 0.02135
Std Dev 0.676

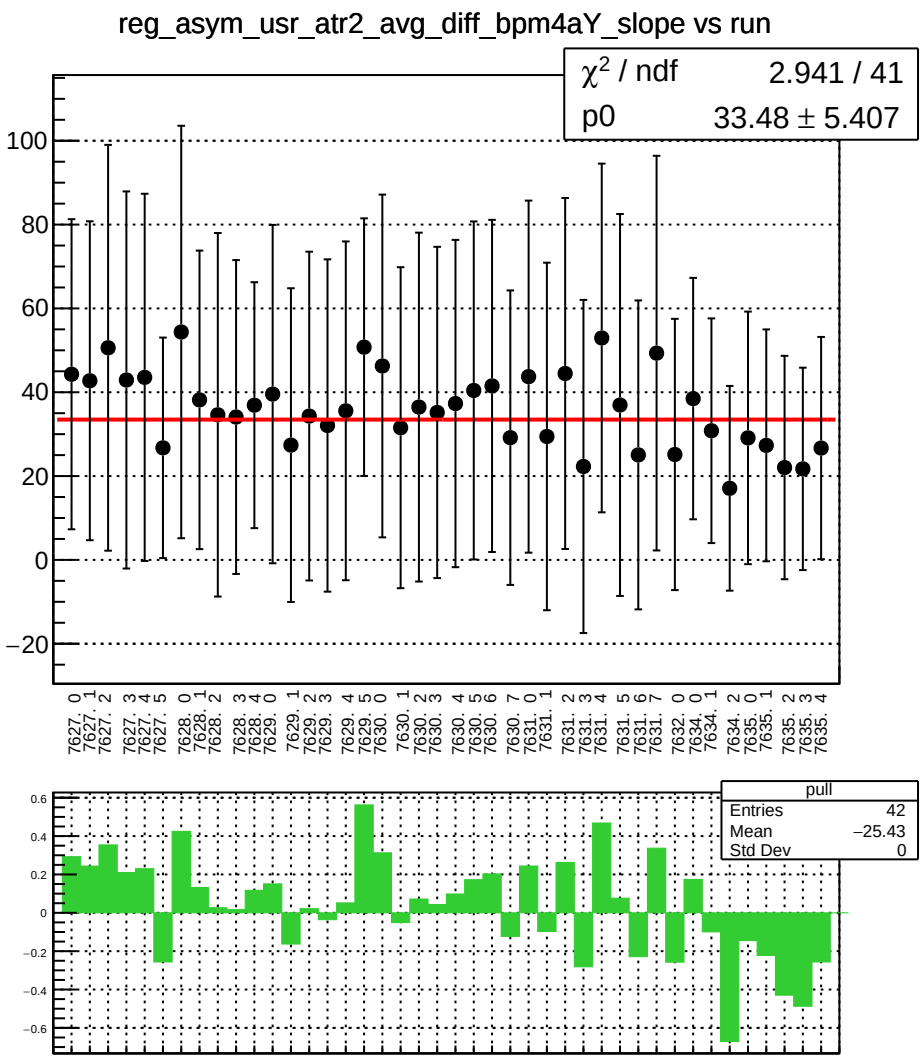

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.63 / 41
p0 81.04 ± 0.9547
pull
Entries 42
Mean 205.7
Std Dev 0

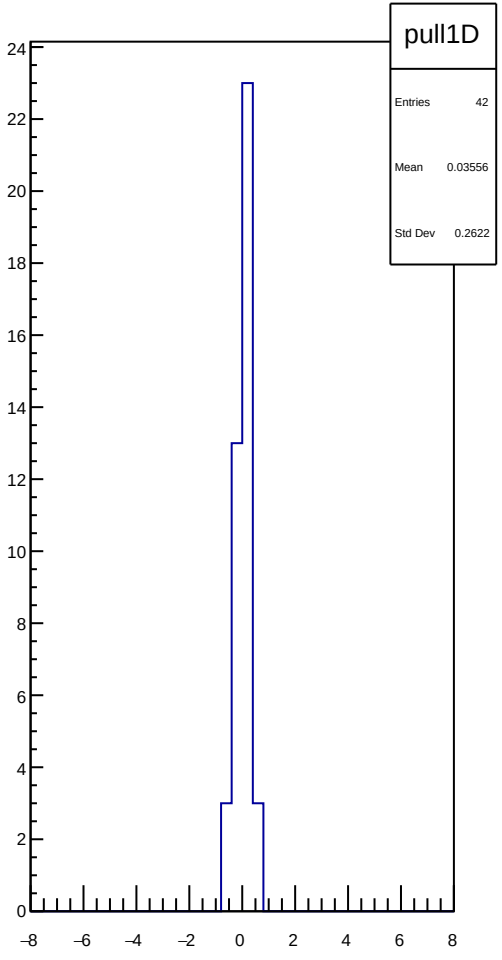

pull1D
Entries 42
Mean −0.006568
Std Dev 0.7008

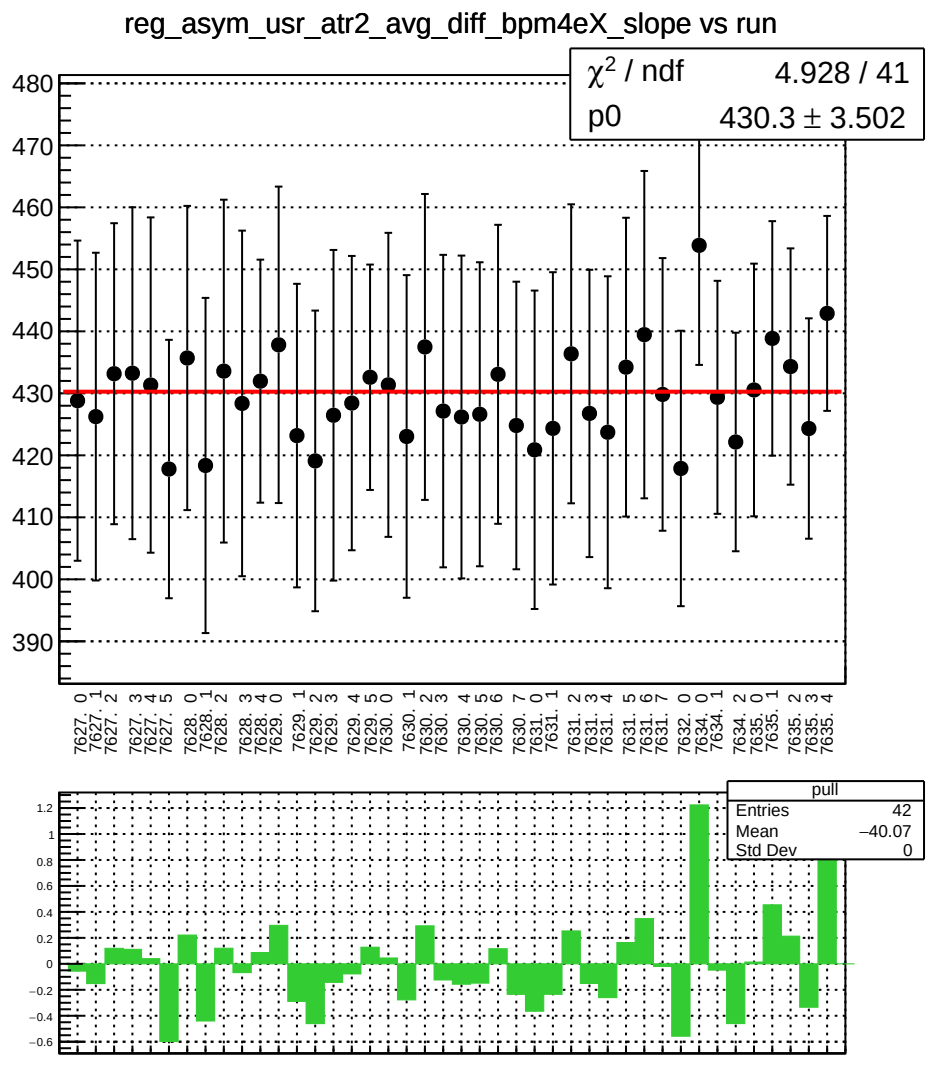

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.5 / 41
p0 10.6 ± 2.166
pull
Entries 42
Mean −153.7
Std Dev 0
pull1D
Entries 42
Mean −0.01887
Std Dev 0.6635

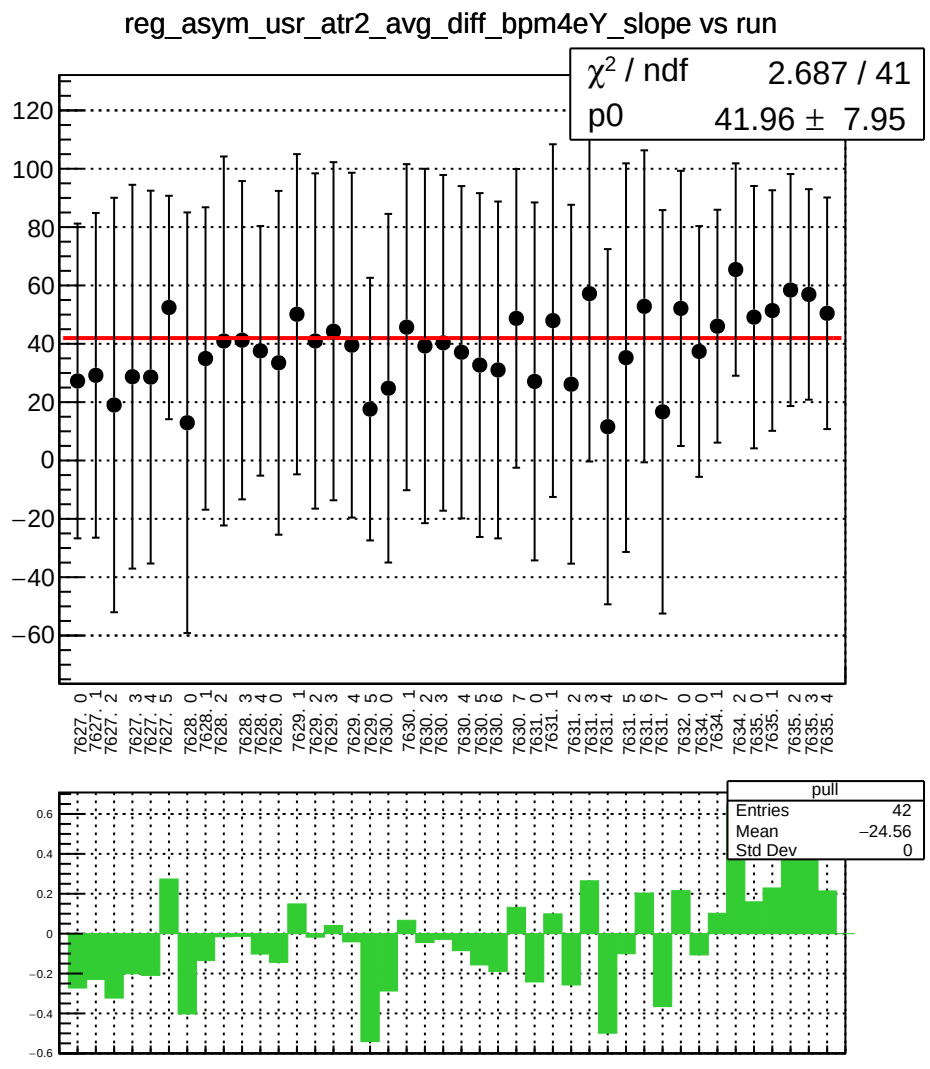

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 22.95 / 41
p0 −6.555 ± 0.1538
pull
Entries 42
Mean 134.6
Std Dev 0
pull1D
Entries 42
Mean 0.01298
Std Dev 0.7392

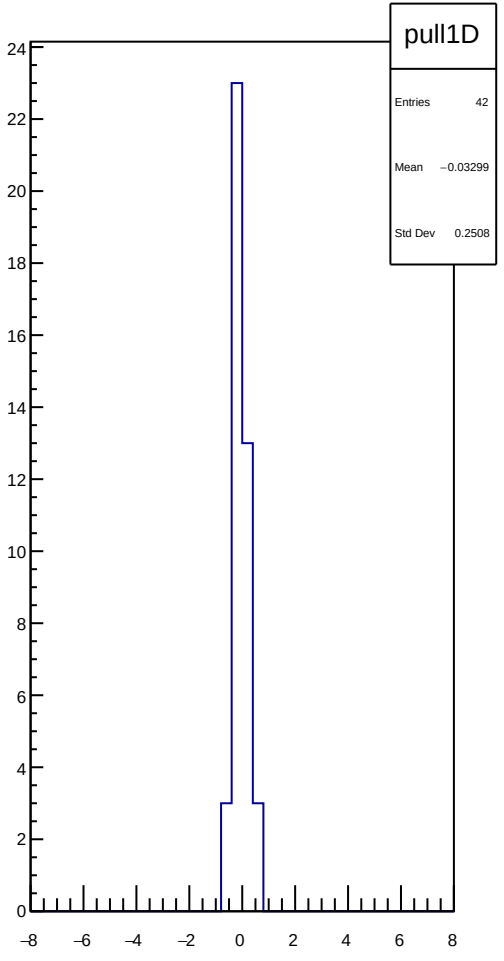

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 4.166 / 41
p0 −365.6 ± 4.396
−320
−340
−360
−380
−400
−420
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −31.07
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 42
Mean 0.008953
Std Dev 0.3148
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

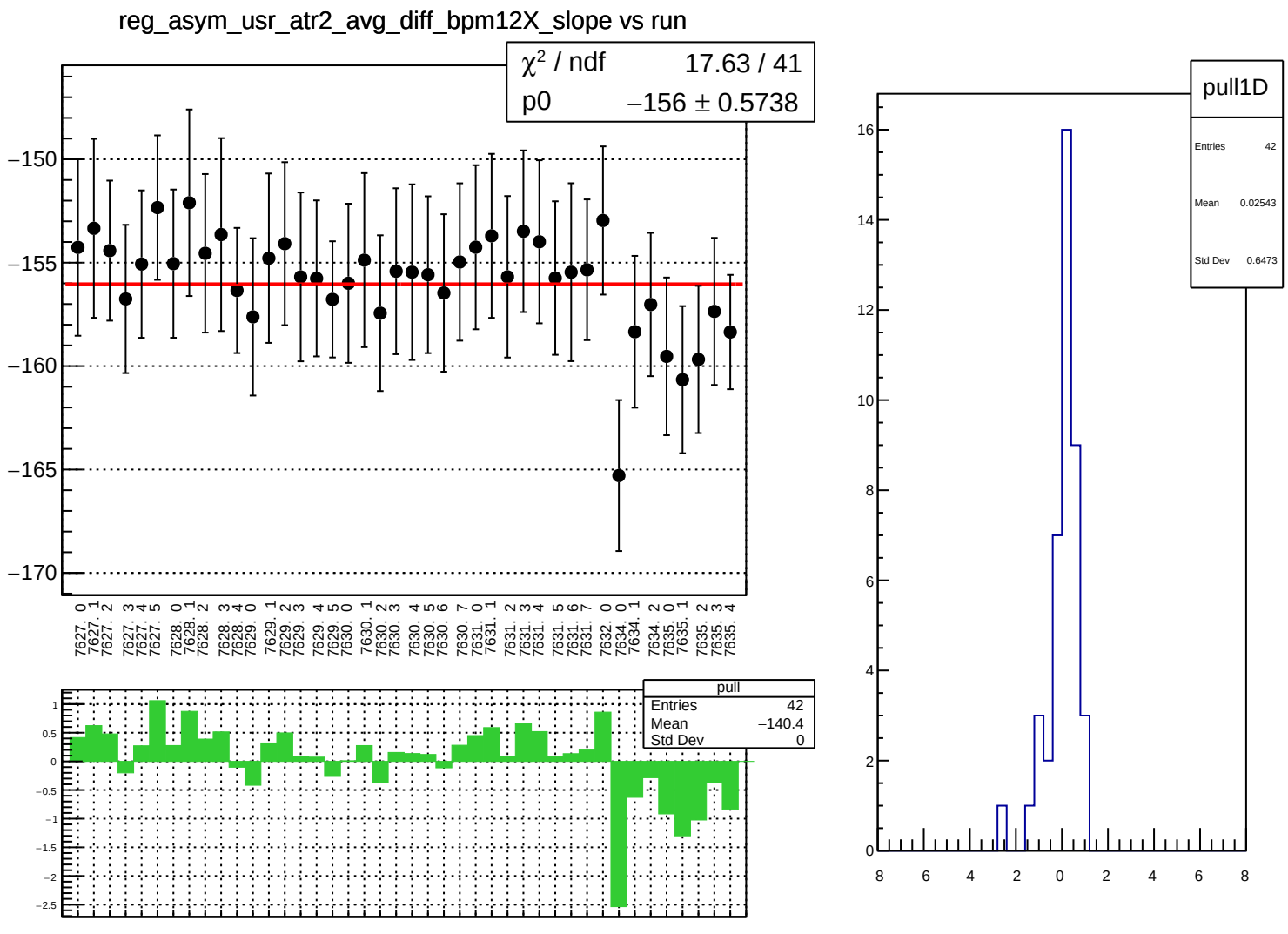

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.941 / 41
p0 33.48 ± 5.407
pull
Entries 42
Mean −25.43
Std Dev 0

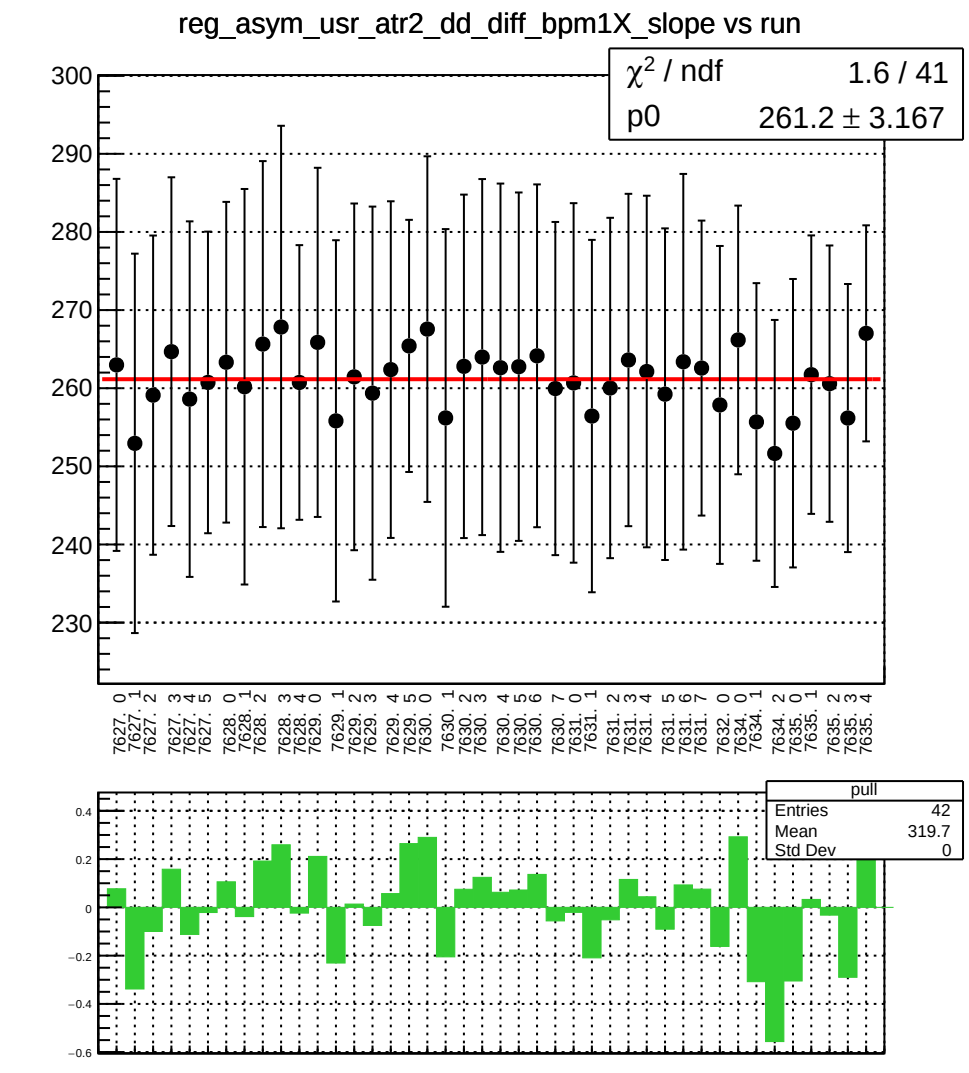

pull1D
Entries 42
Mean 0.03556
Std Dev 0.2622

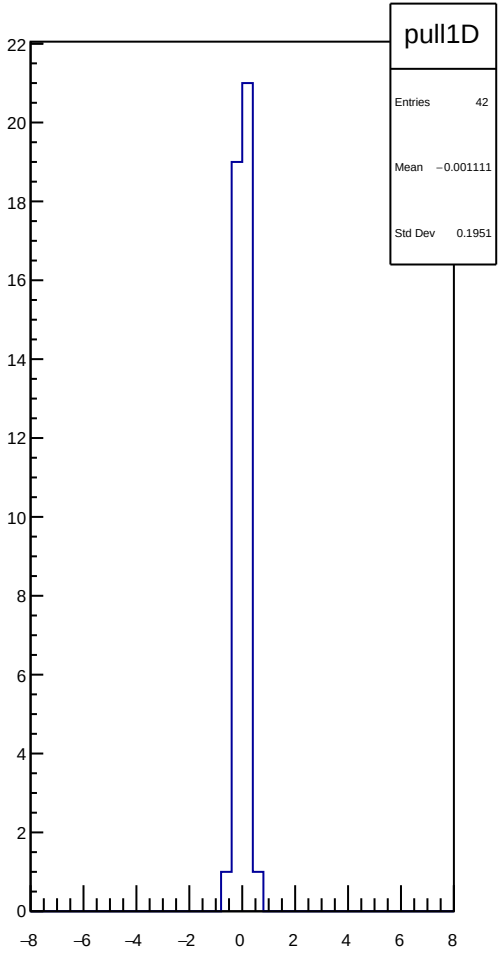

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.928 / 41
p0 430.3 ± 3.502
480
470
460
450
440
430
420
410
400
390
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −40.07
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 42
Mean −0.01444
Std Dev 0.3422
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

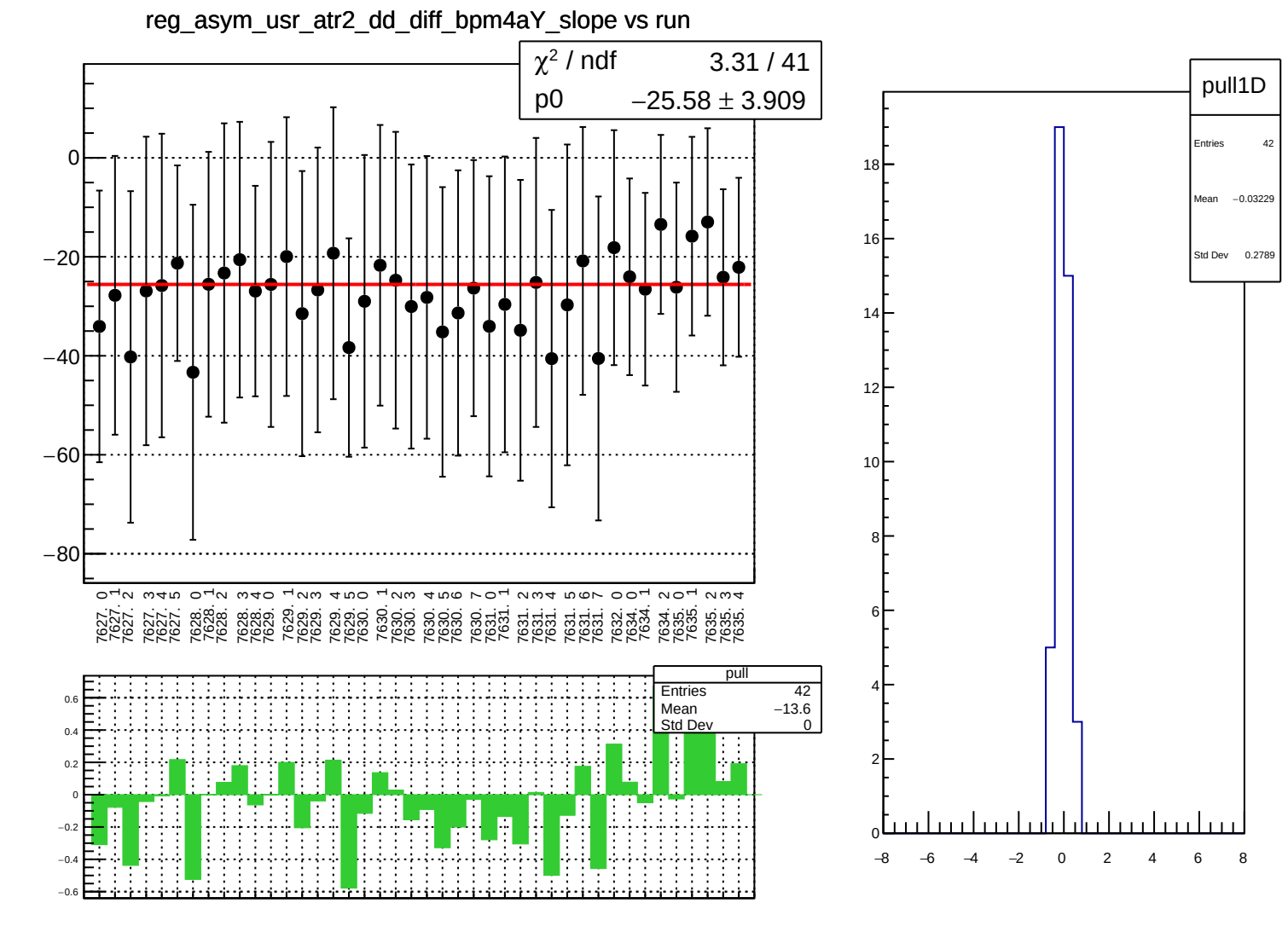

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.687 / 41
p0 41.96 ± 7.95
pull
Entries 42
Mean −24.56
Std Dev 0

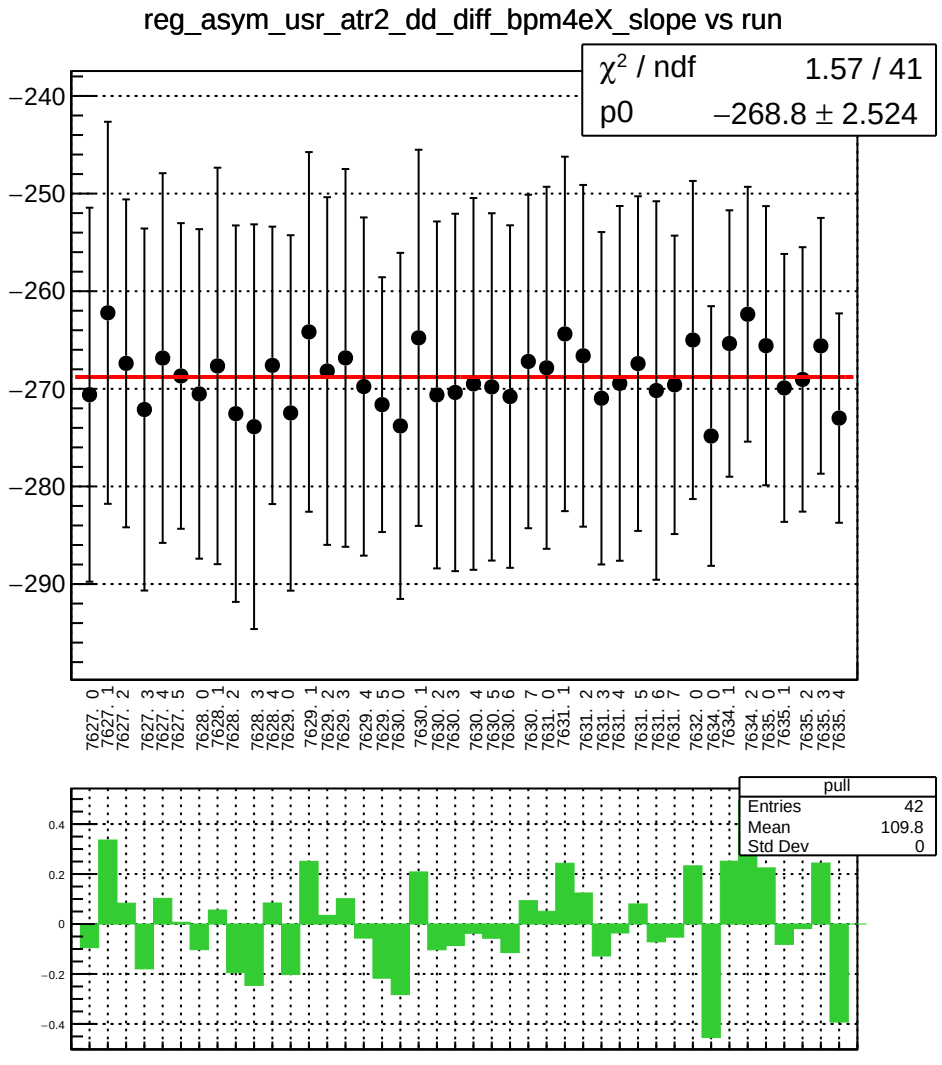

pull1D
Entries 42
Mean −0.03299
Std Dev 0.2508

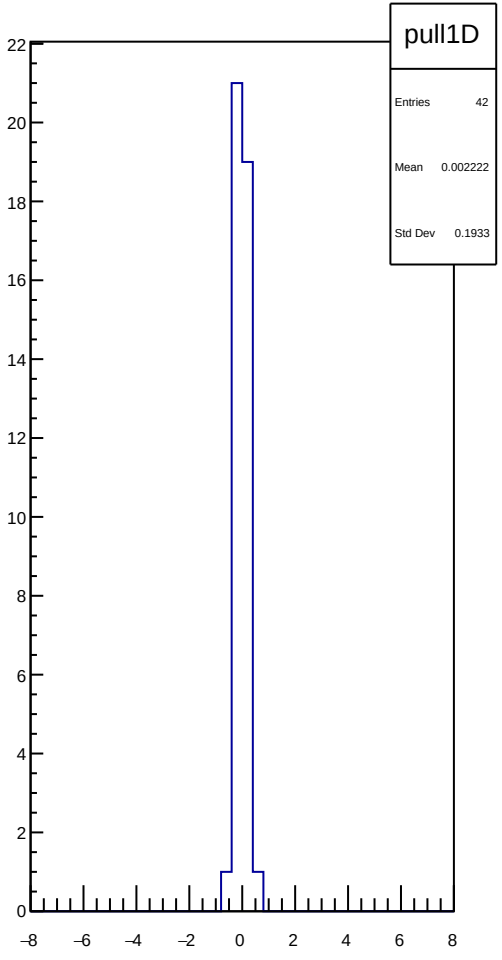

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 17.63 / 41
p0 −156 ± 0.5738
−150
−155
−160
−165
−170
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −140.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 42
Mean 0.02543
Std Dev 0.6473
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

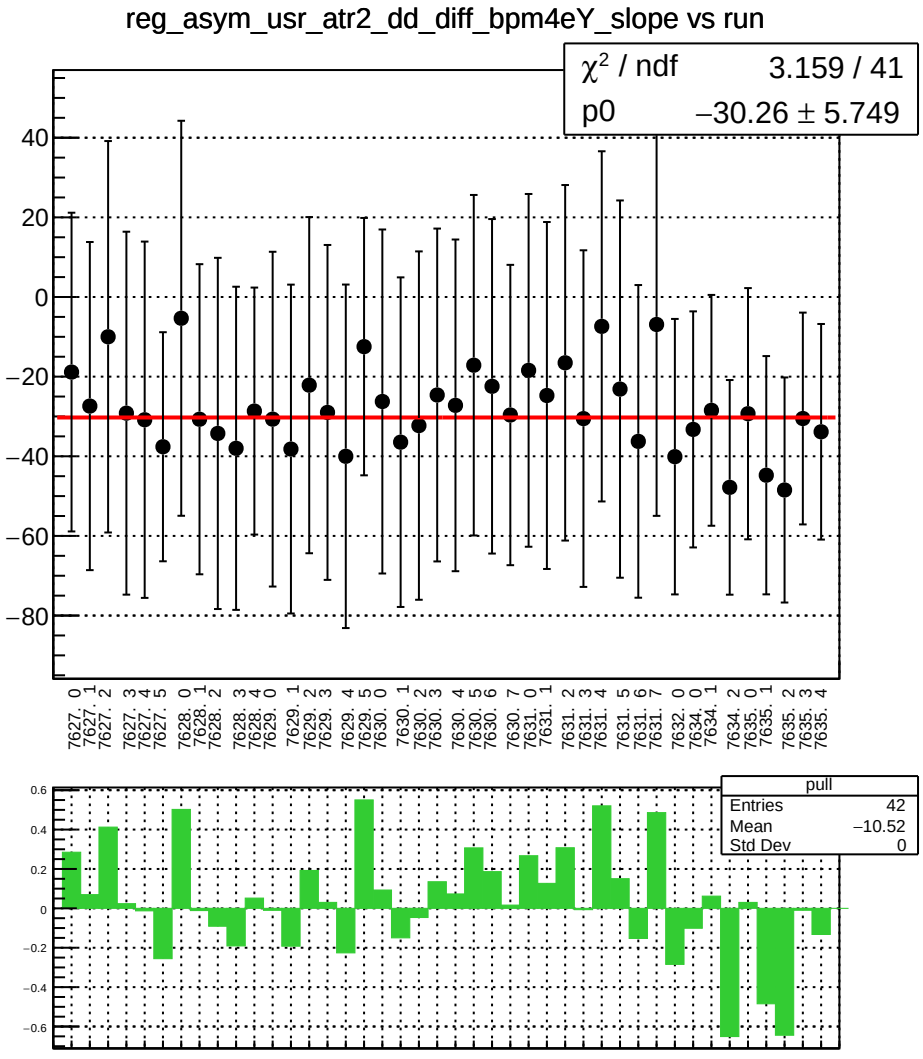

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 1.6 / 41
p0 261.2 ± 3.167
300
290
280
270
260
250
240
230
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 319.7
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

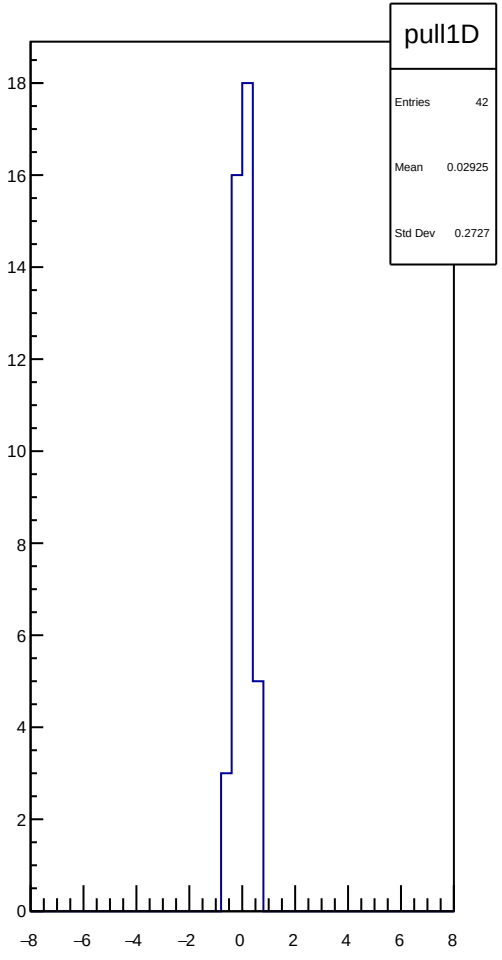

pull1D
Entries 42
Mean −0.001111
Std Dev 0.1951
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

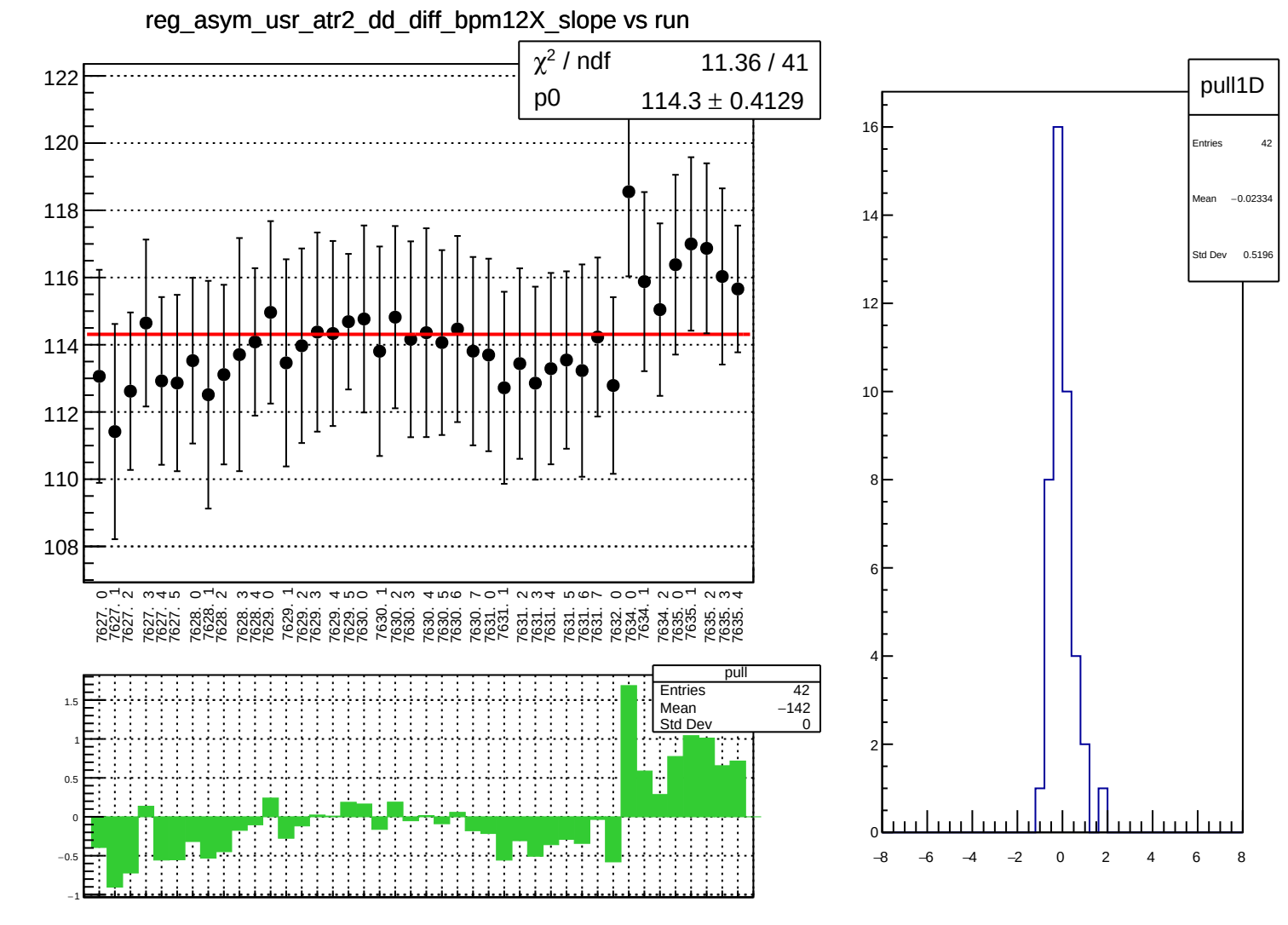

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.31 / 41
p0 −25.58 ± 3.909
0
−20
−40
−60
−80
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −13.6
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 42
Mean −0.03229
Std Dev 0.2789
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

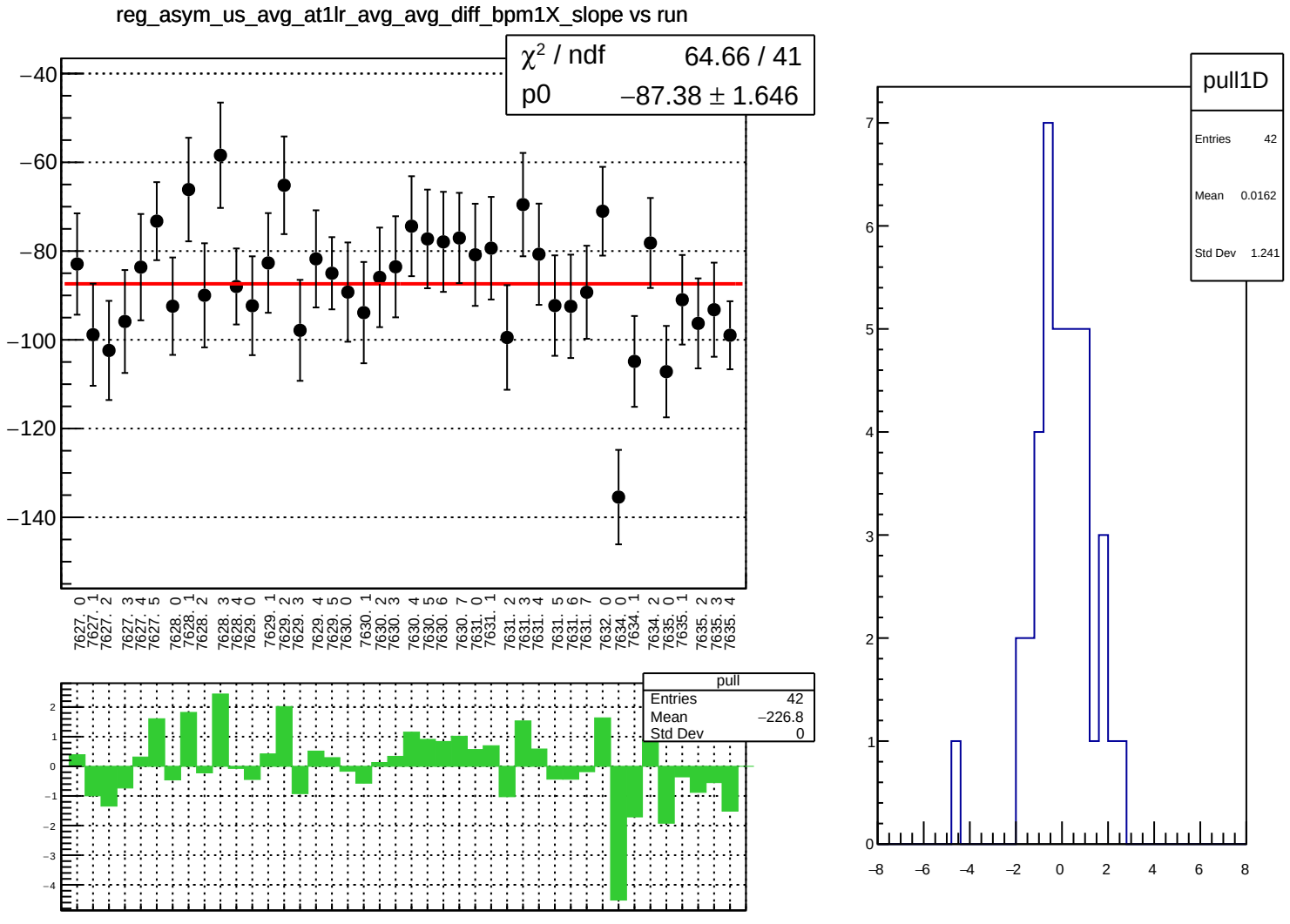

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.57 / 41
p0 −268.8 ± 2.524
−240
−250
−260
−270
−280
−290
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 109.8
Std Dev 0
0.4
0.2
0
−0.2
−0.4

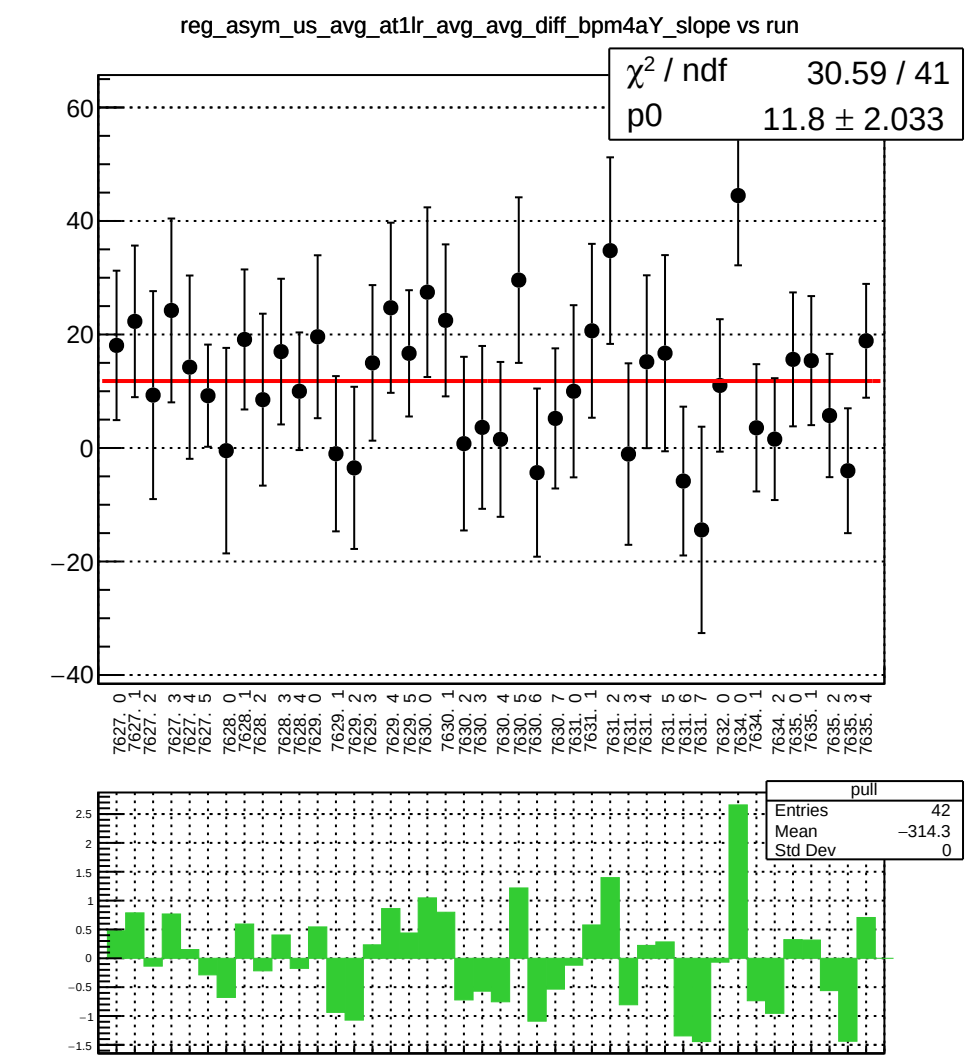

pull1D
Entries 42
Mean 0.002222
Std Dev 0.1933
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

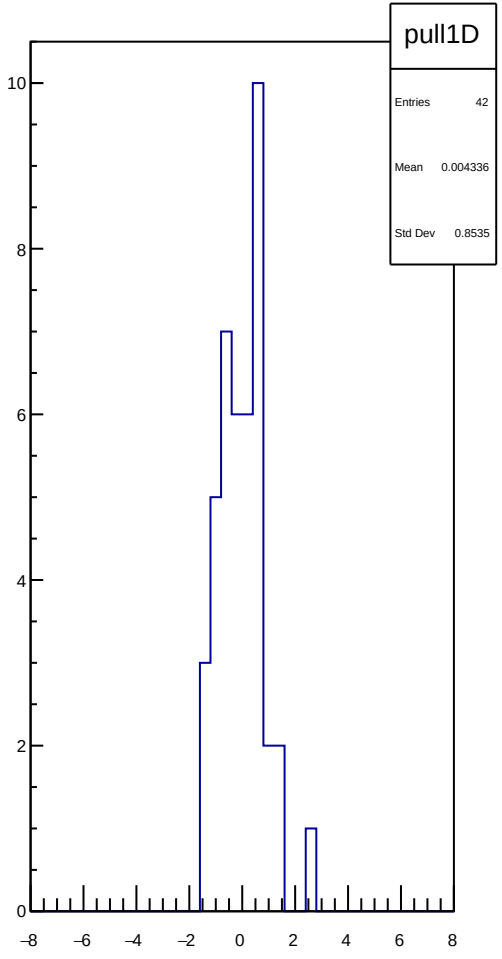

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.159 / 41
p0 −30.26 ± 5.749
pull
Entries 42
Mean −10.52
Std Dev 0

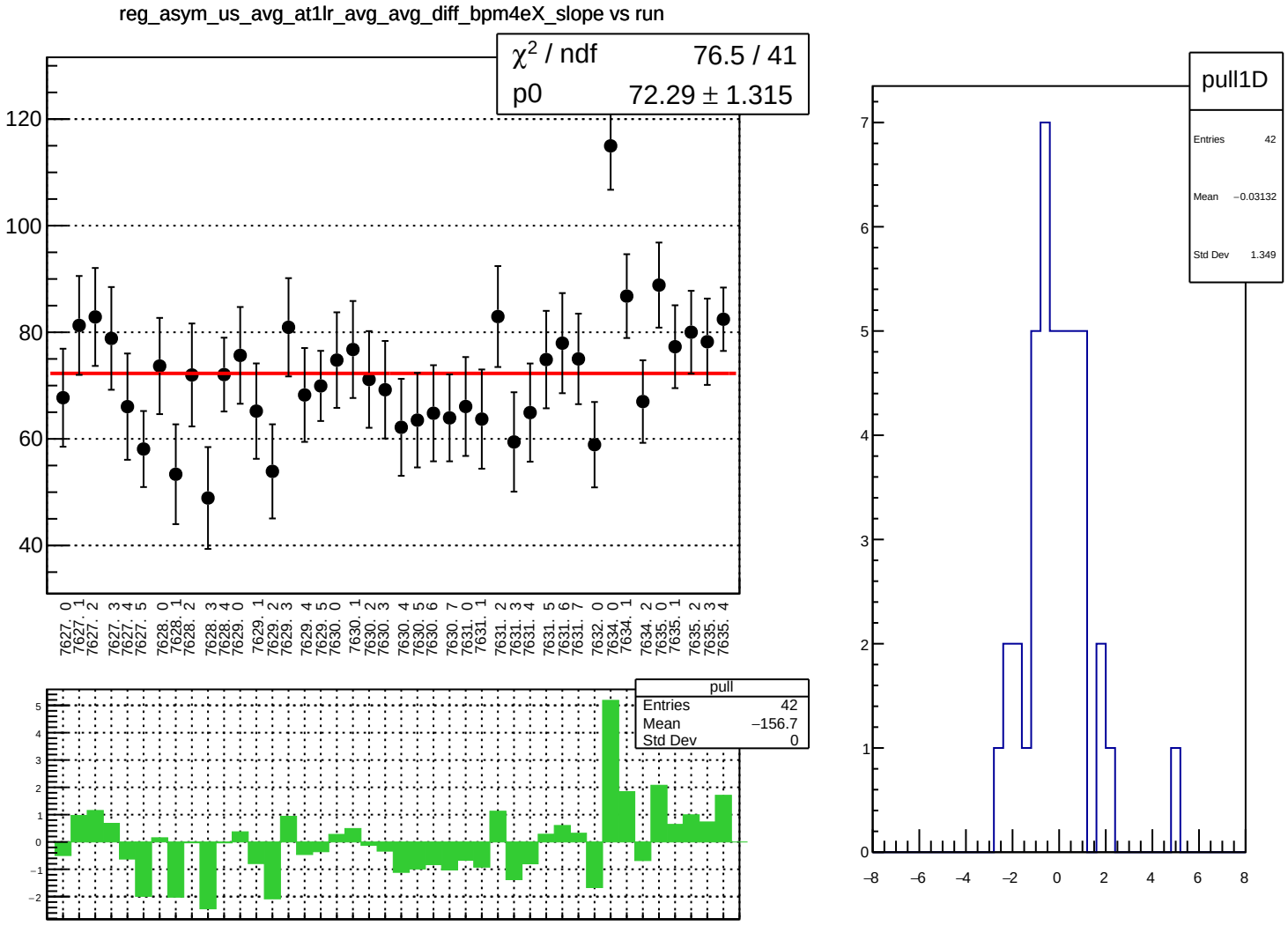

pull1D
Entries 42
Mean 0.02925
Std Dev 0.2727

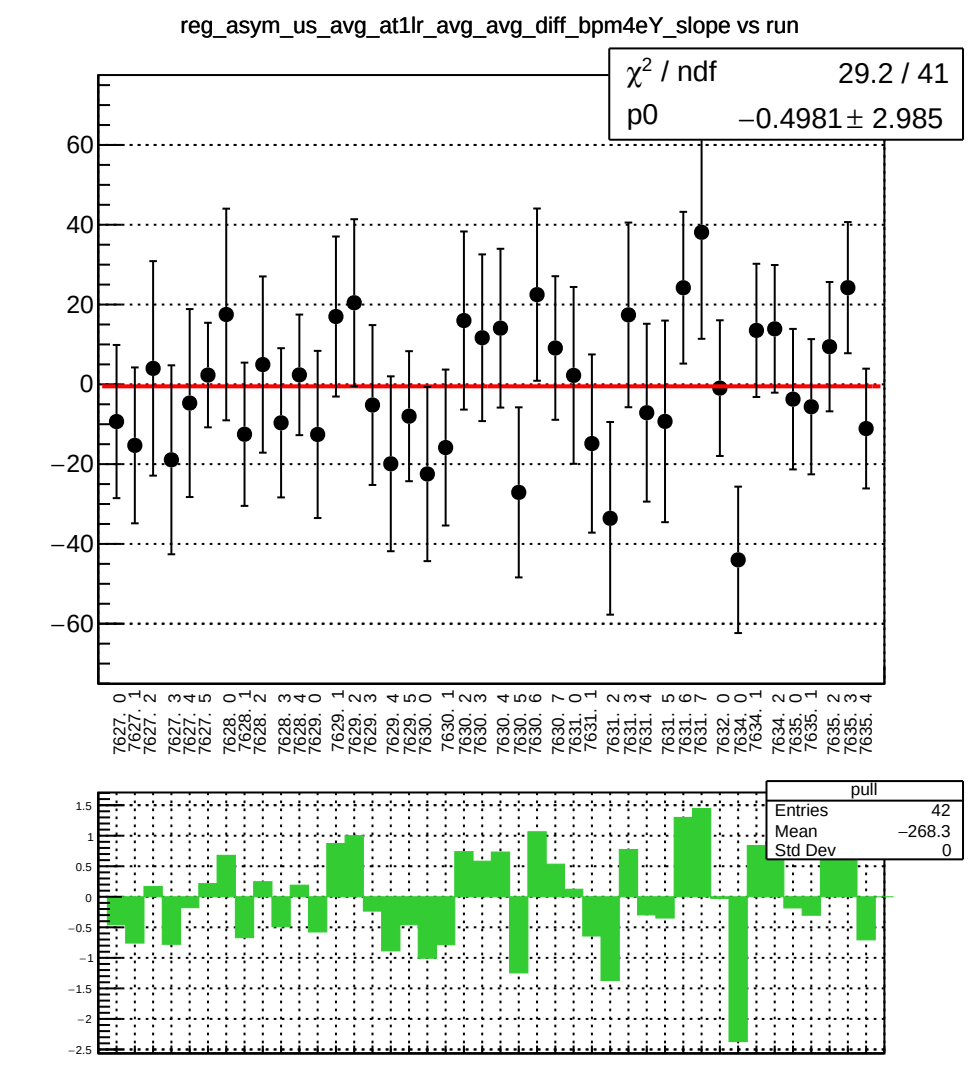

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 11.36 / 41
p0 114.3 ± 0.4129
122
120
118
116
114
112
110
108
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −142
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 42
Mean −0.02334
Std Dev 0.5196
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

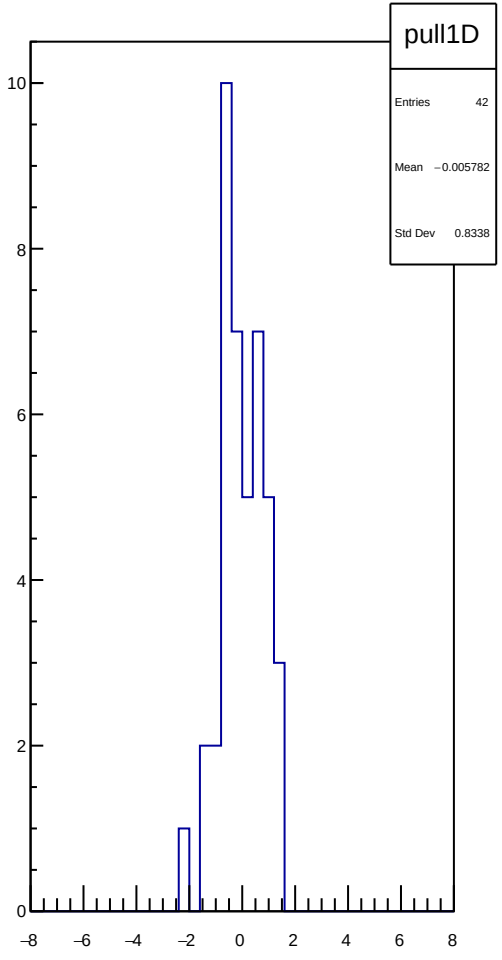

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 64.66 / 41
p0 −87.38 ± 1.646
pull
Entries 42
Mean −226.8
Std Dev 0
pull1D
Entries 42
Mean 0.0162
Std Dev 1.241

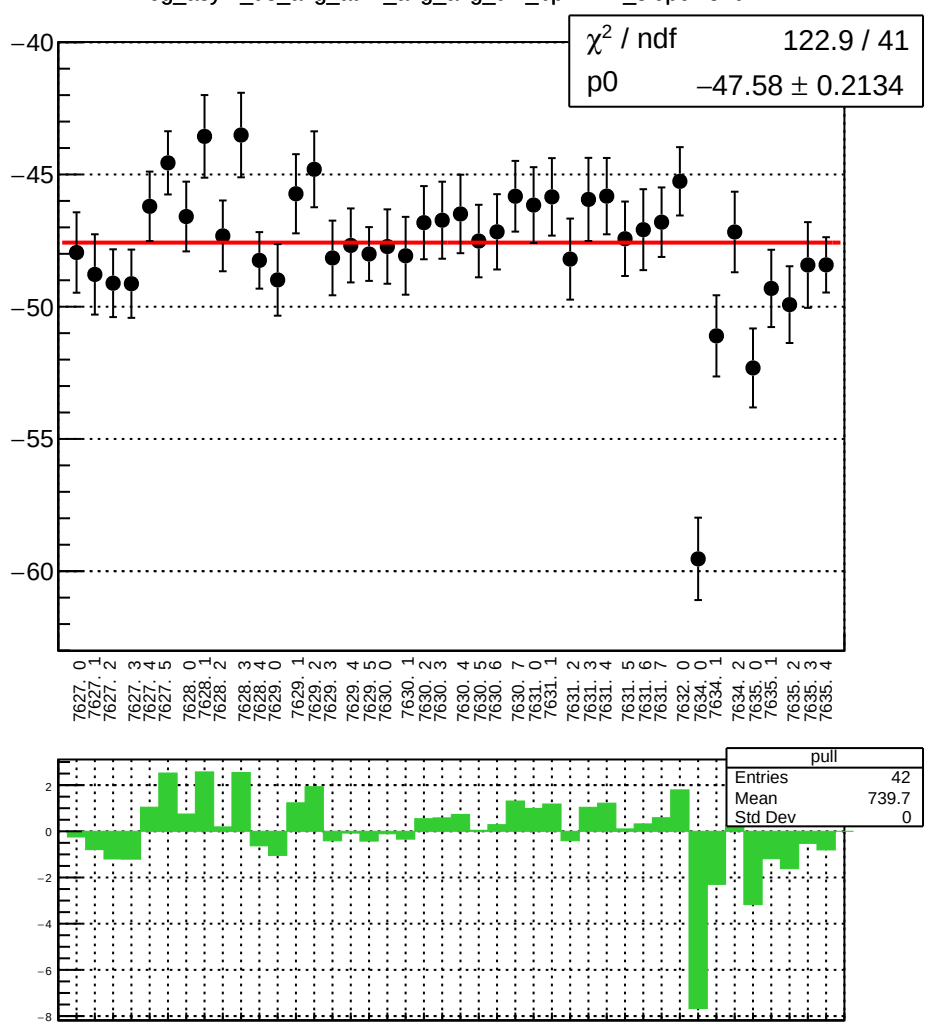

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.59 / 41
p0 11.8 ± 2.033
pull
Entries 42
Mean −314.3
Std Dev 0

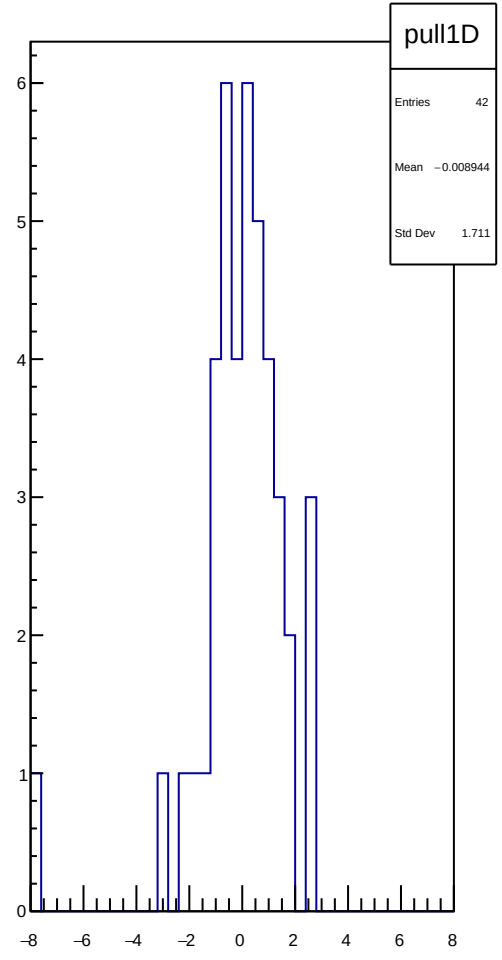

pull1D
Entries 42
Mean 0.004336
Std Dev 0.8535

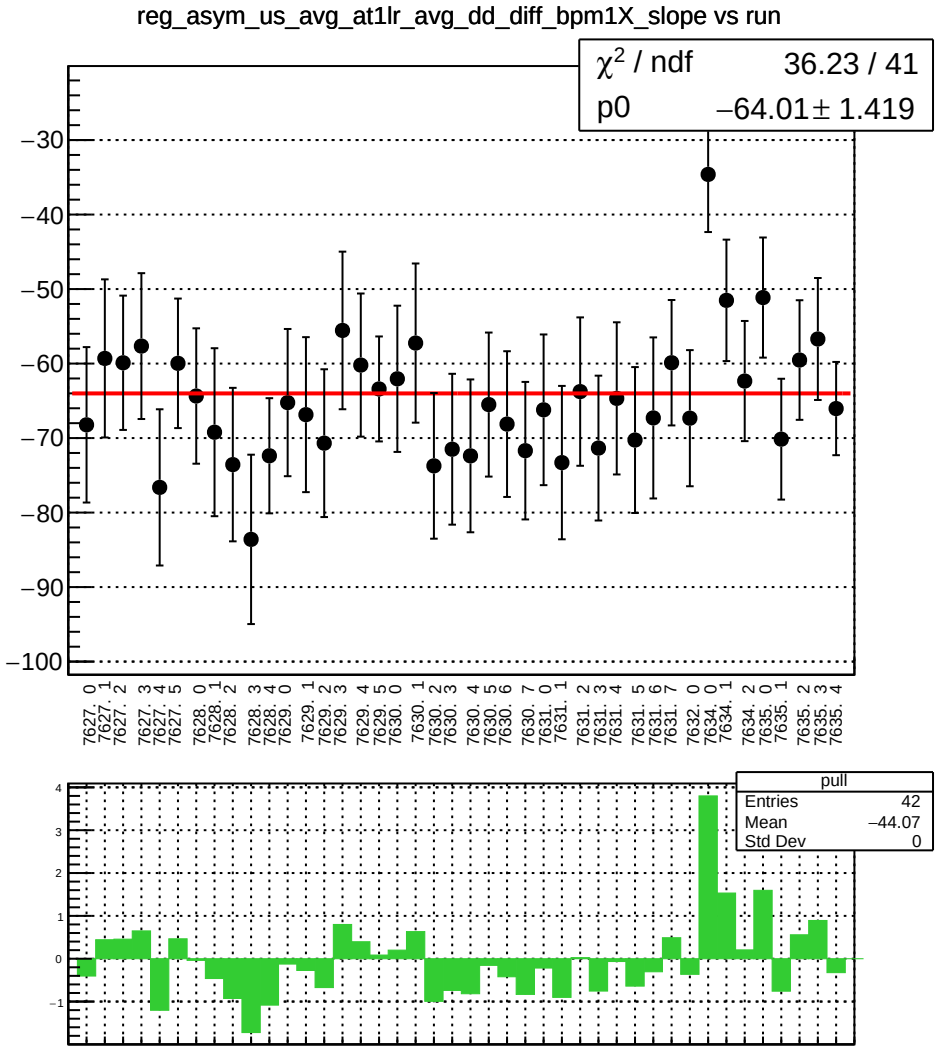

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.5 / 41
p0 72.29 ± 1.315
120
100
80
60
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −156.7
Std Dev 0
5
4
3
2
1
0
−1
−2
pull1D
Entries 42
Mean −0.03132
Std Dev 1.349
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

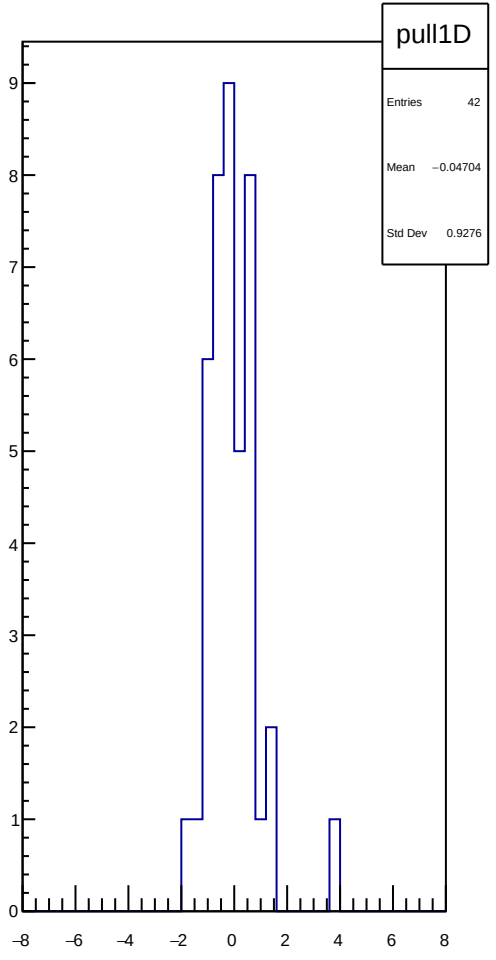

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.2 / 41
p0 −0.4981 ± 2.985
pull
Entries 42
Mean −268.3
Std Dev 0

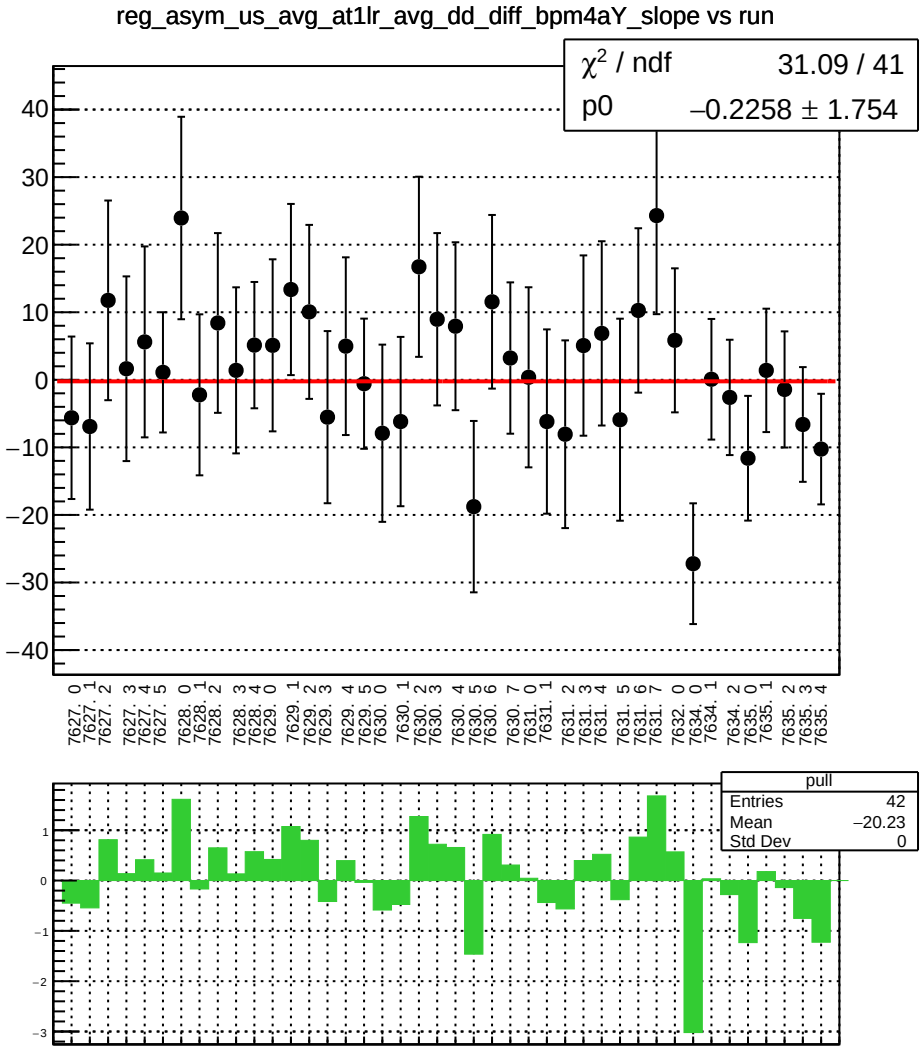

pull1D
Entries 42
Mean −0.005782
Std Dev 0.8338

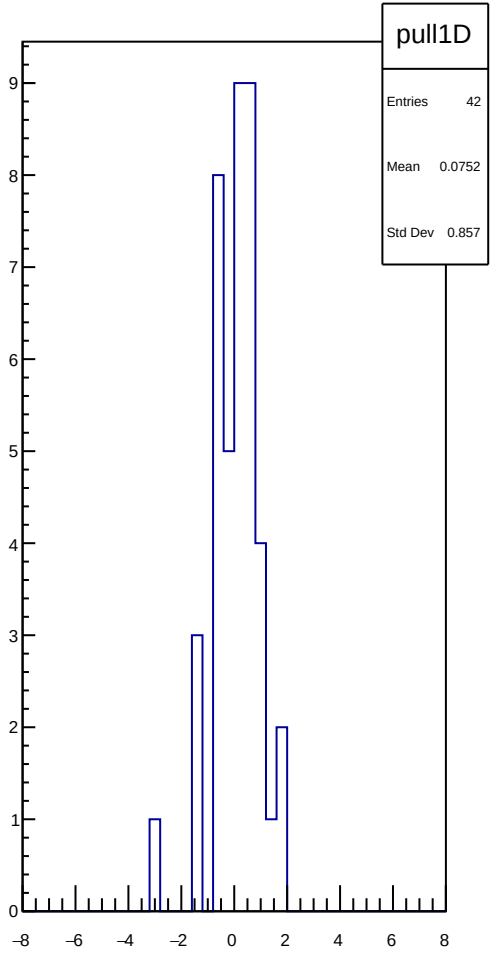

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 122.9 / 41
p0 −47.58 ± 0.2134
−40
−45
−50
−55
−60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 739.7
Std Dev 0
2
0
−2
−4
−6
−8

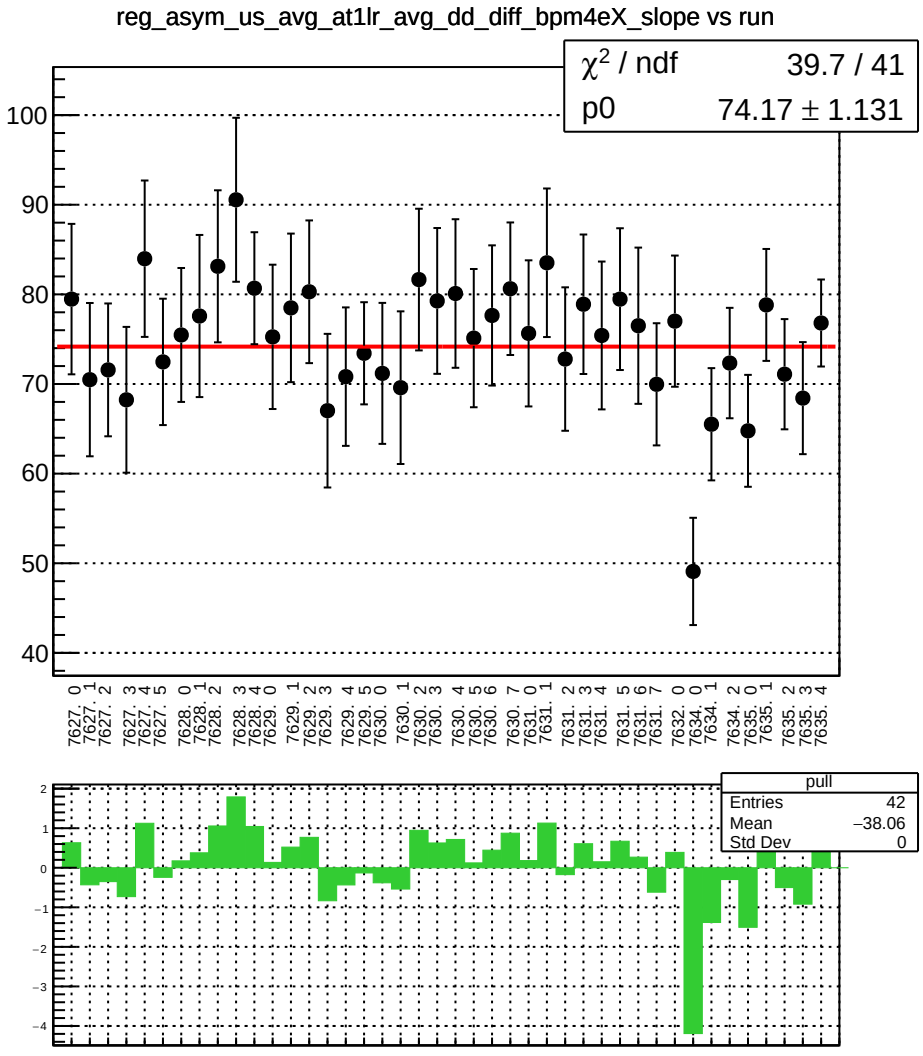

pull1D
Entries 42
Mean −0.008944
Std Dev 1.711
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

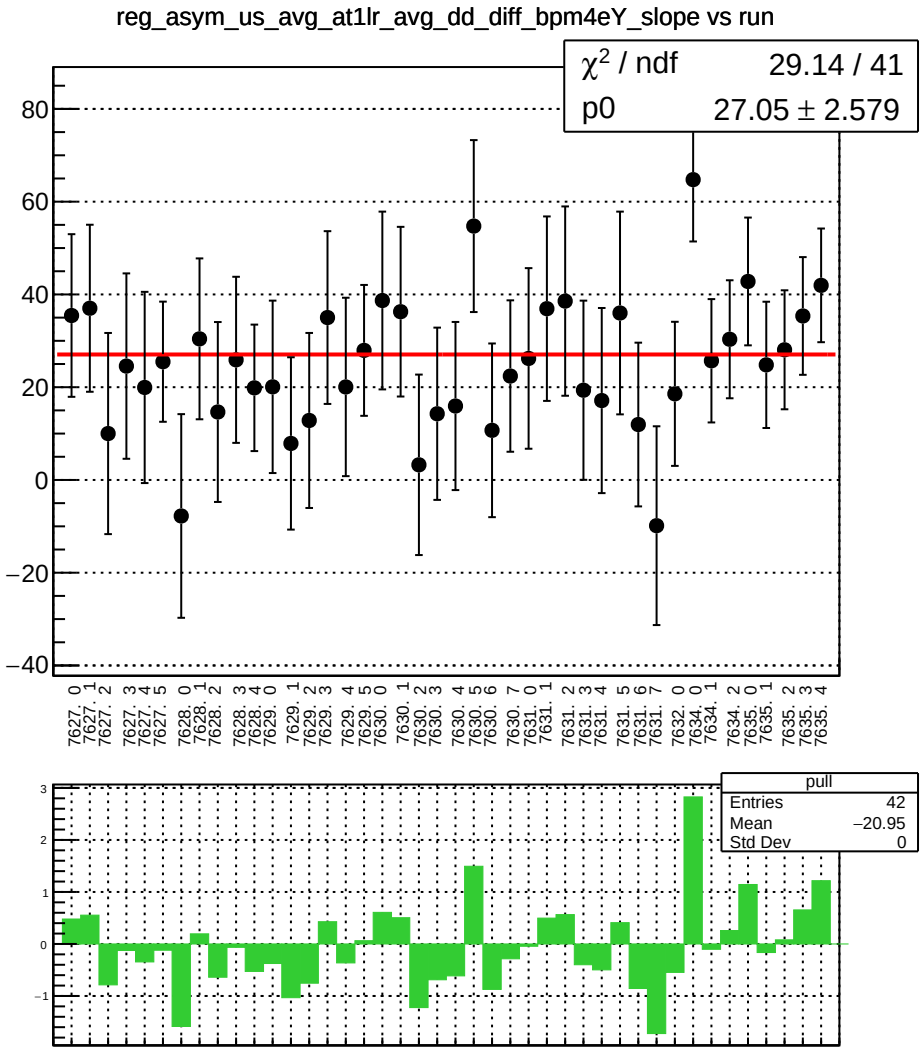

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 36.23 / 41
p0 −64.01± 1.419
pull
Entries 42
Mean −44.07
Std Dev 0

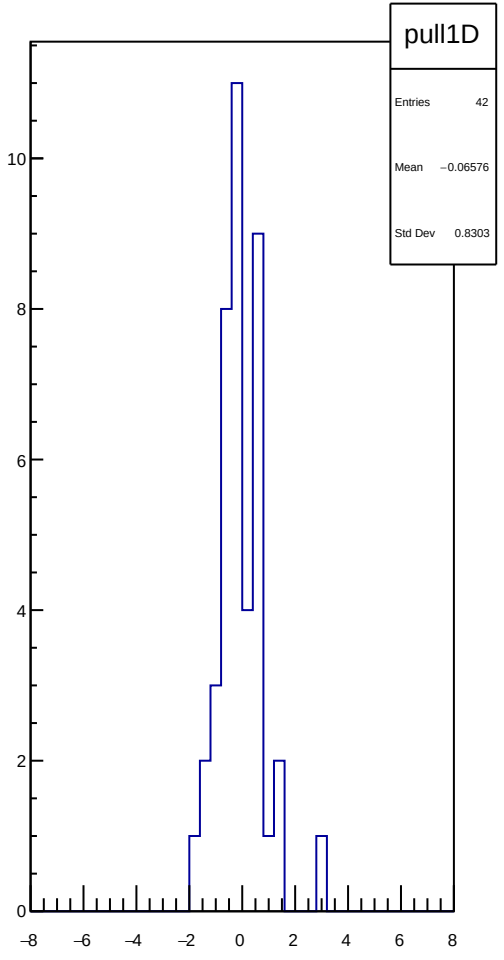

pull1D
Entries 42
Mean −0.04704
Std Dev 0.9276

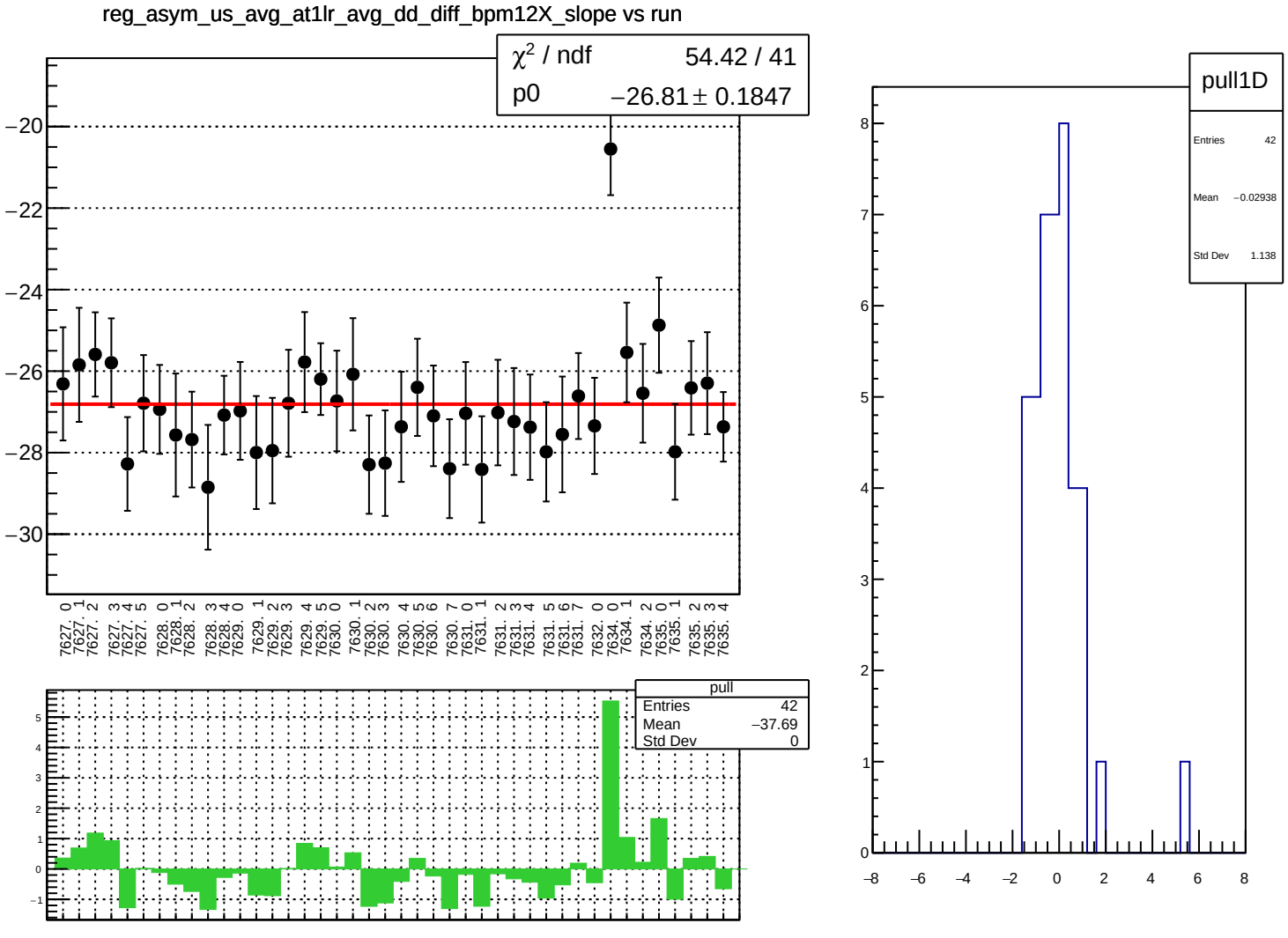

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.09 / 41
p0 −0.2258 ± 1.754
pull
Entries 42
Mean −20.23
Std Dev 0

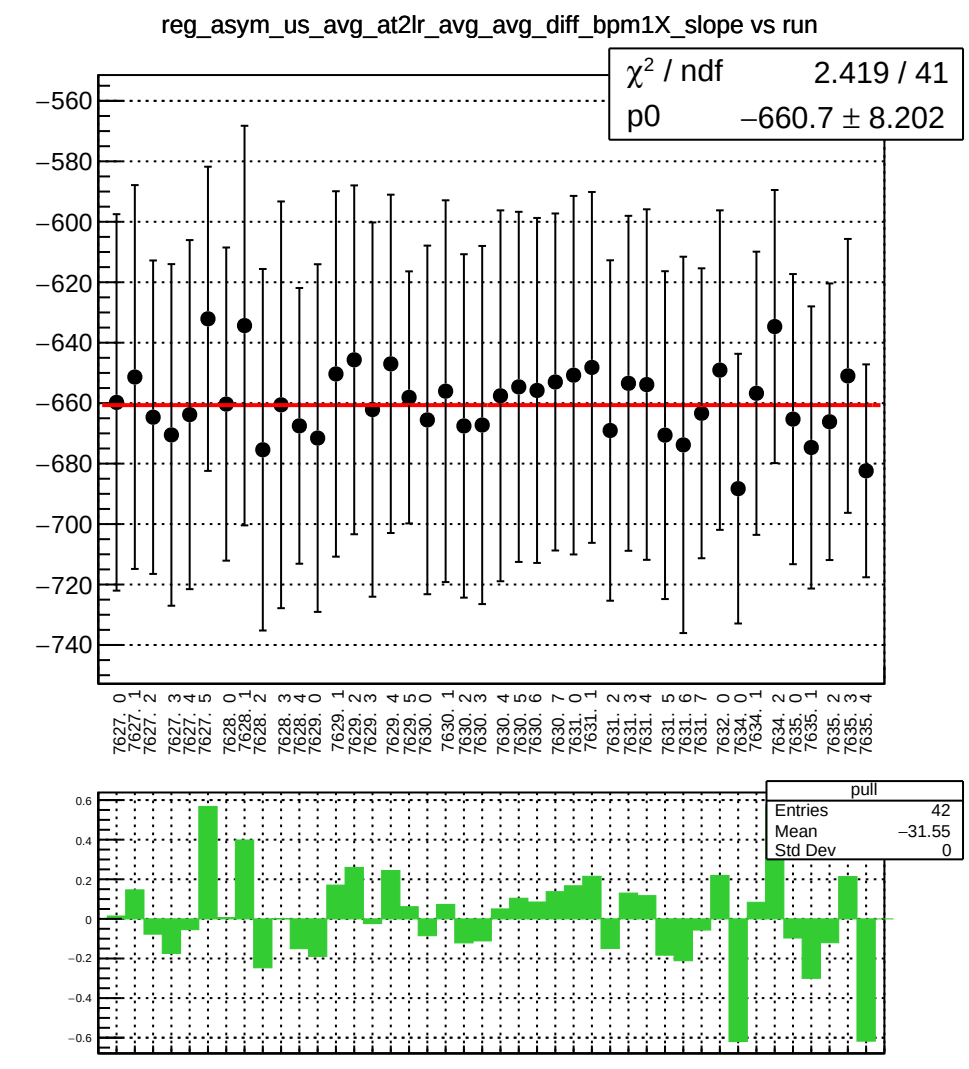

pull1D
Entries 42
Mean 0.0752
Std Dev 0.857

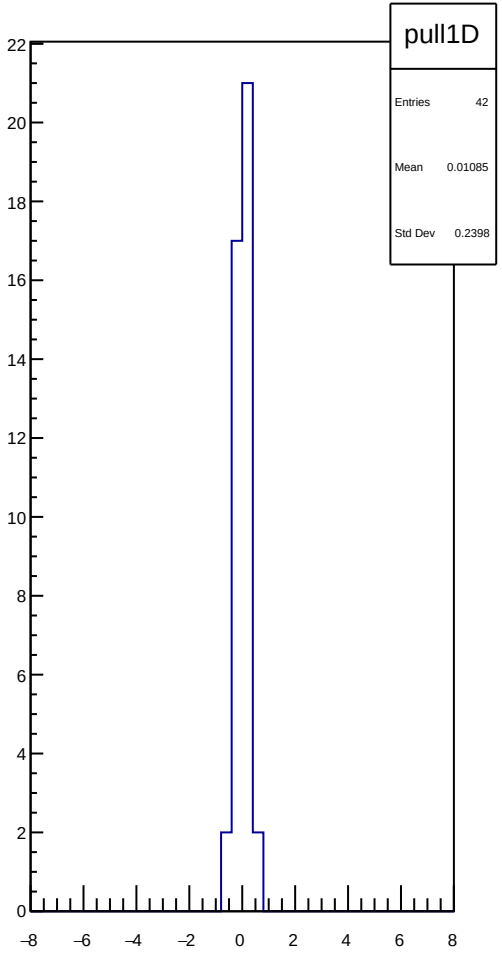

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.7 / 41
p0 74.17 ± 1.131
pull
Entries 42
Mean −38.06
Std Dev 0
pull1D
Entries 42
Mean 0.05659
Std Dev 0.9705

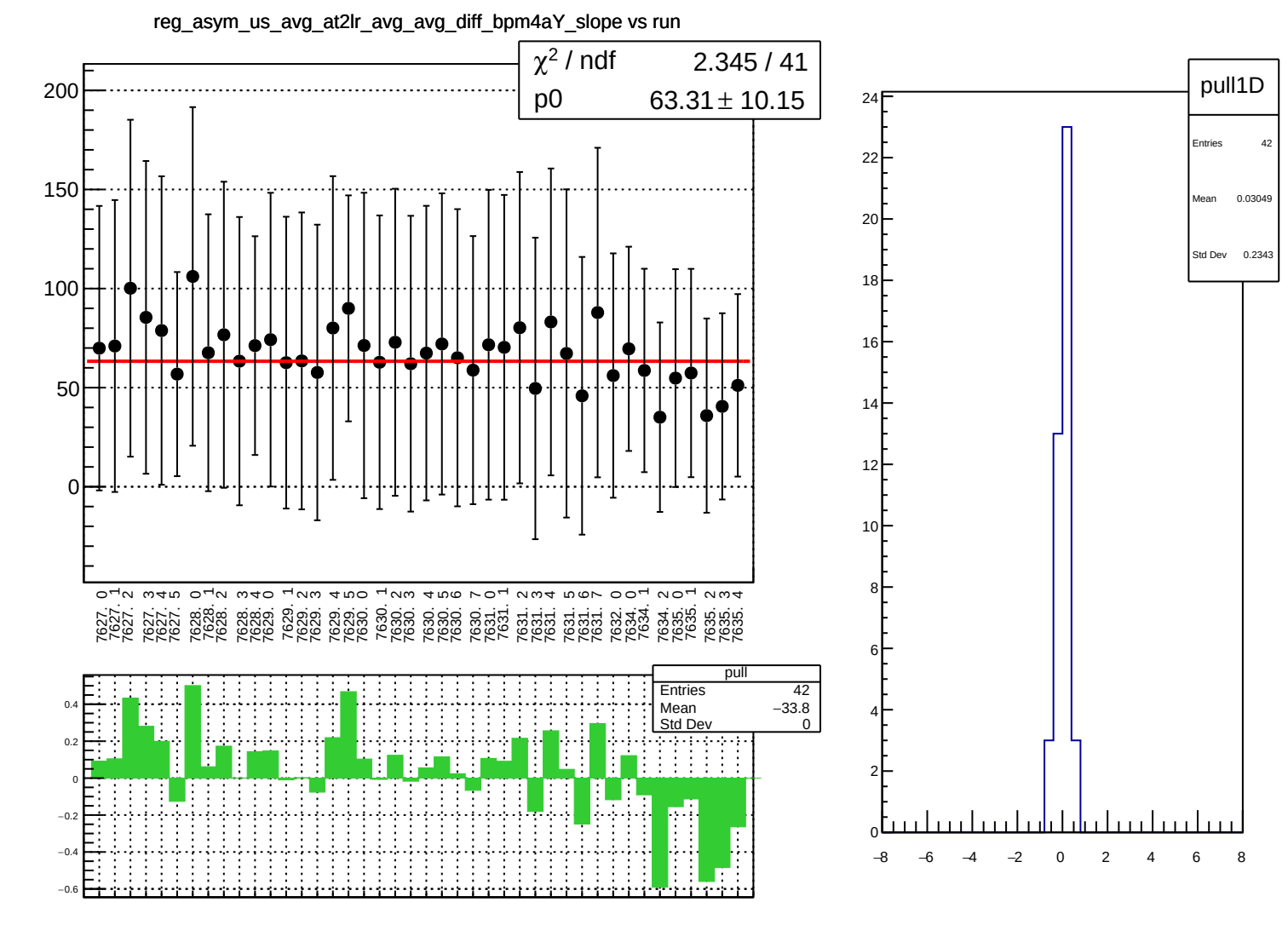

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.14 / 41
p0 27.05 ± 2.579
pull
Entries 42
Mean −20.95
Std Dev 0

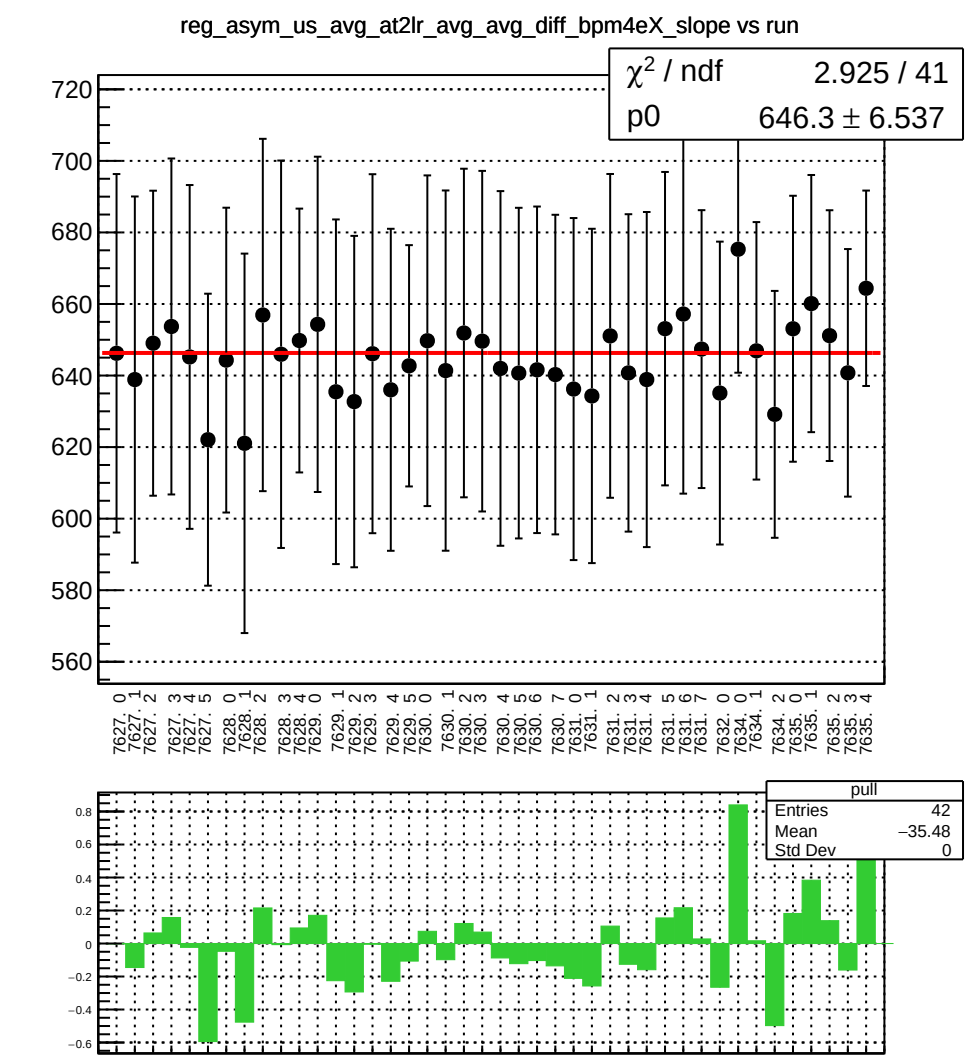

pull1D
Entries 42
Mean −0.06576
Std Dev 0.8303

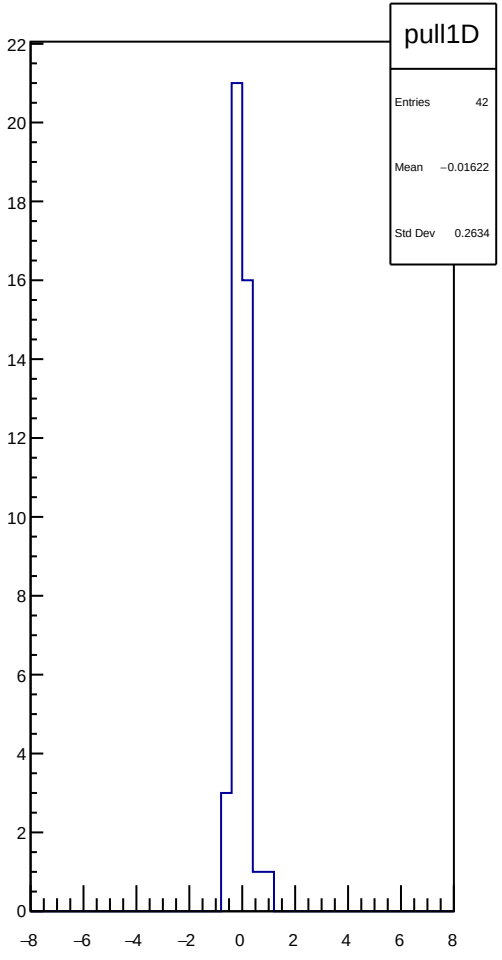

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 54.42 / 41
p0 −26.81 ± 0.1847
pull
Entries 42
Mean −37.69
Std Dev 0
pull1D
Entries 42
Mean −0.02938
Std Dev 1.138

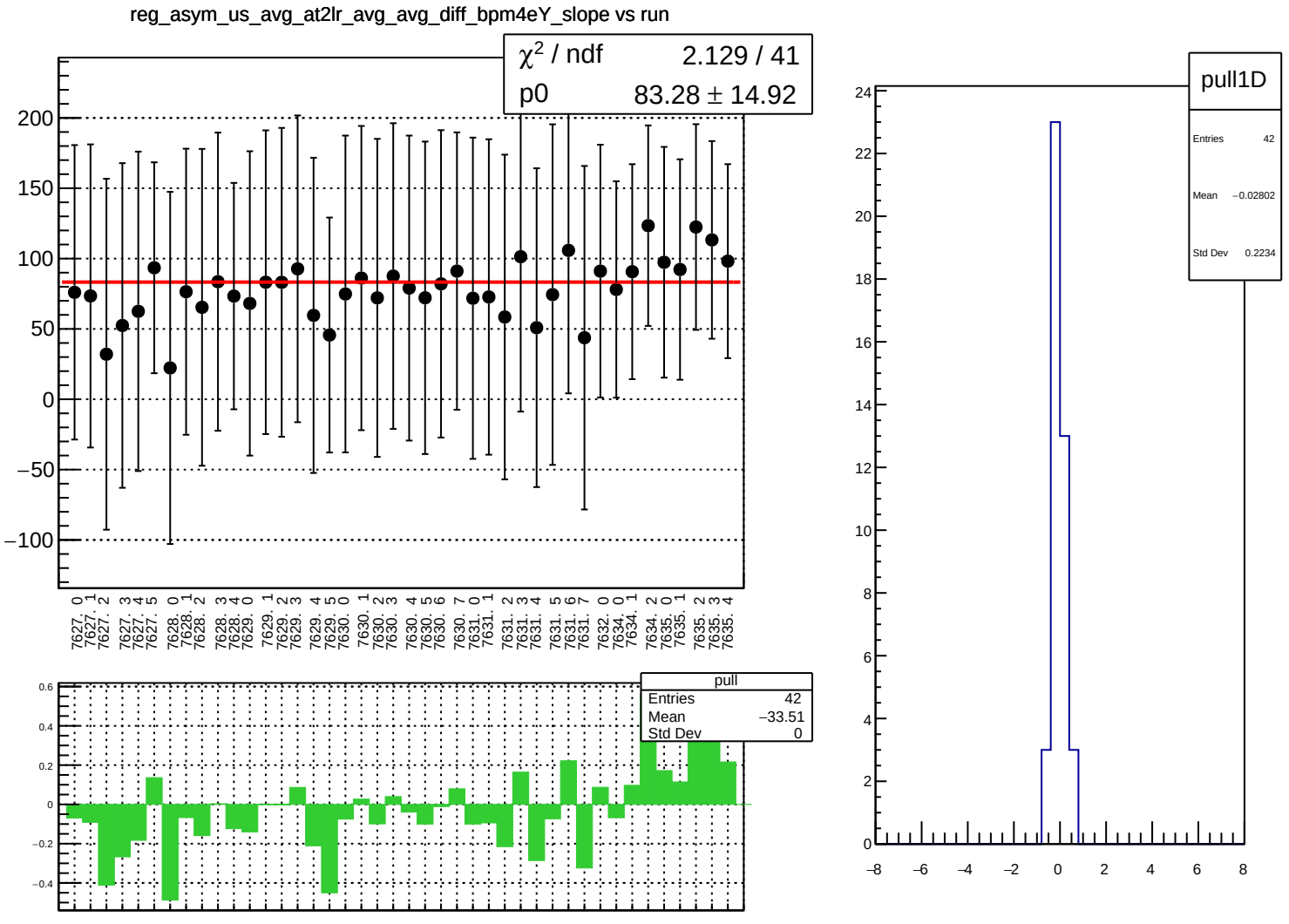

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 2.419 / 41
p0 −660.7 ± 8.202
pull
Entries 42
Mean −31.55
Std Dev 0

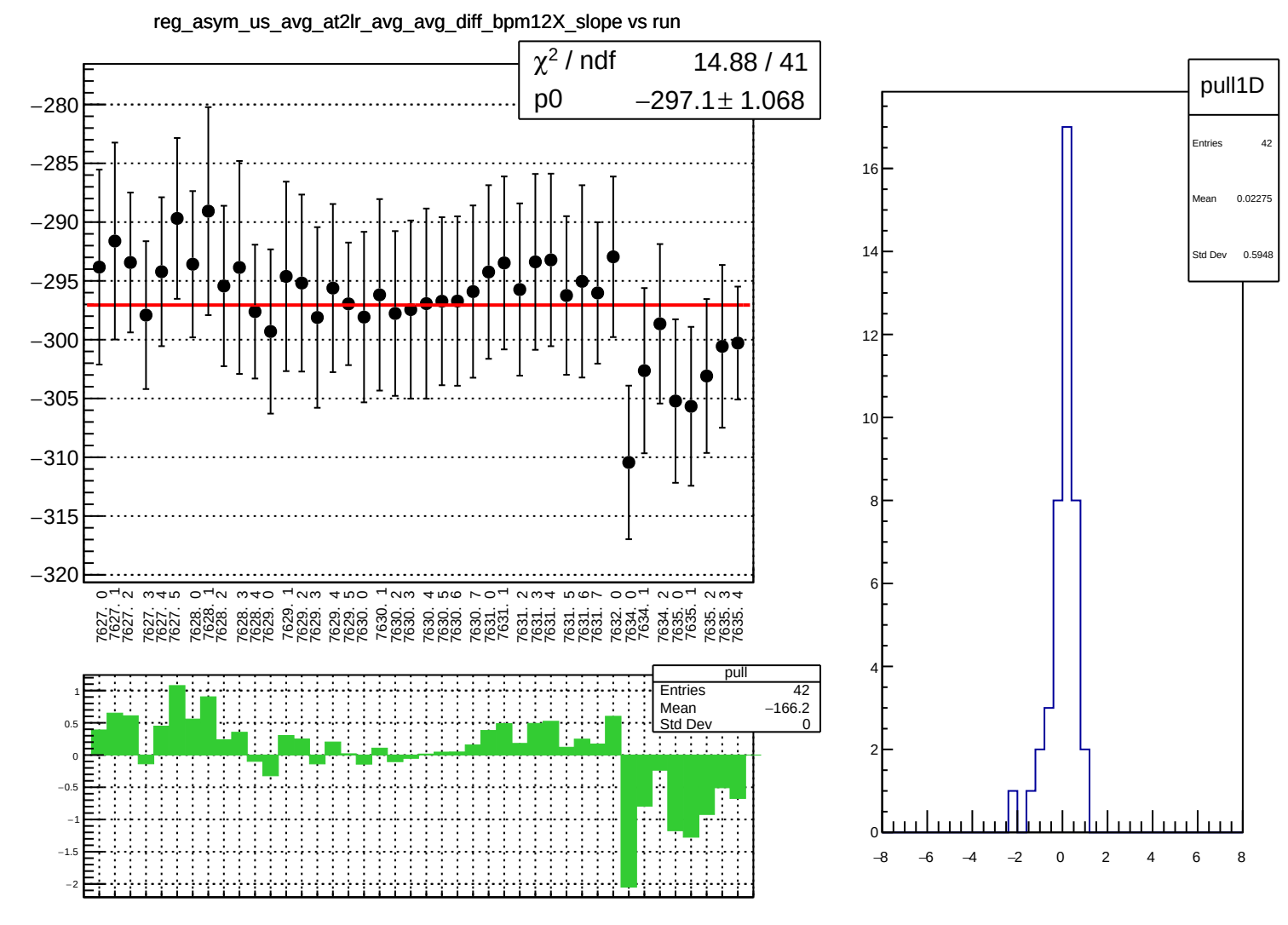

pull1D
Entries 42
Mean 0.01085
Std Dev 0.2398

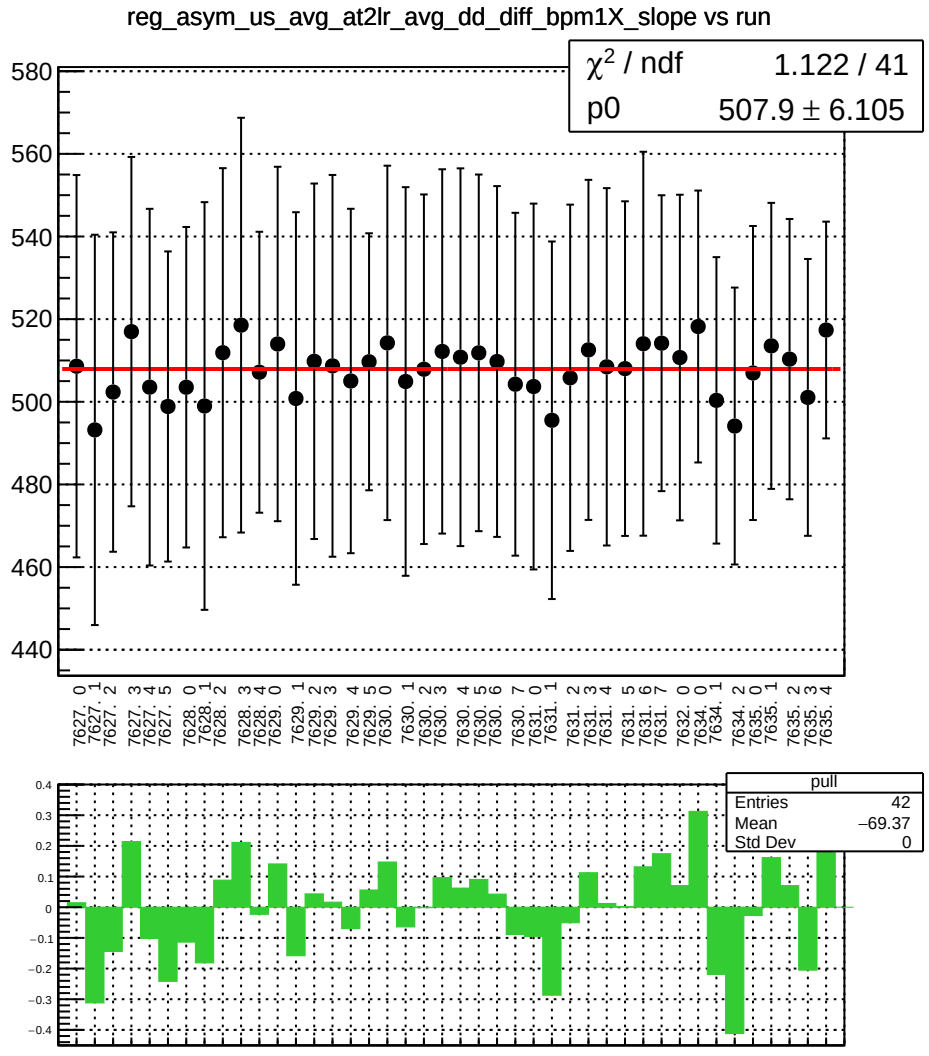

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.345 / 41
p0 63.31 ± 10.15
200
150
100
50
0
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −33.8
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 42
Mean 0.03049
Std Dev 0.2343
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

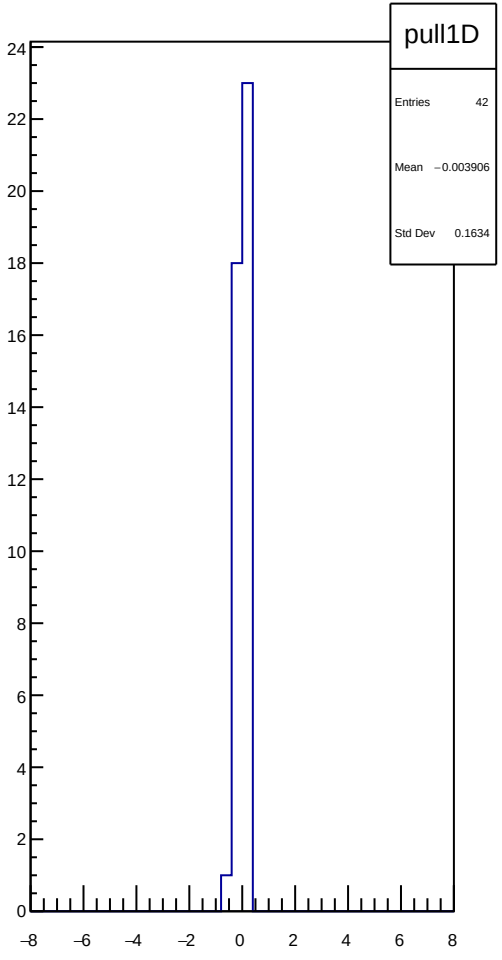

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.925 / 41
p0 646.3 ± 6.537
720
700
680
660
640
620
600
580
560
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −35.48
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

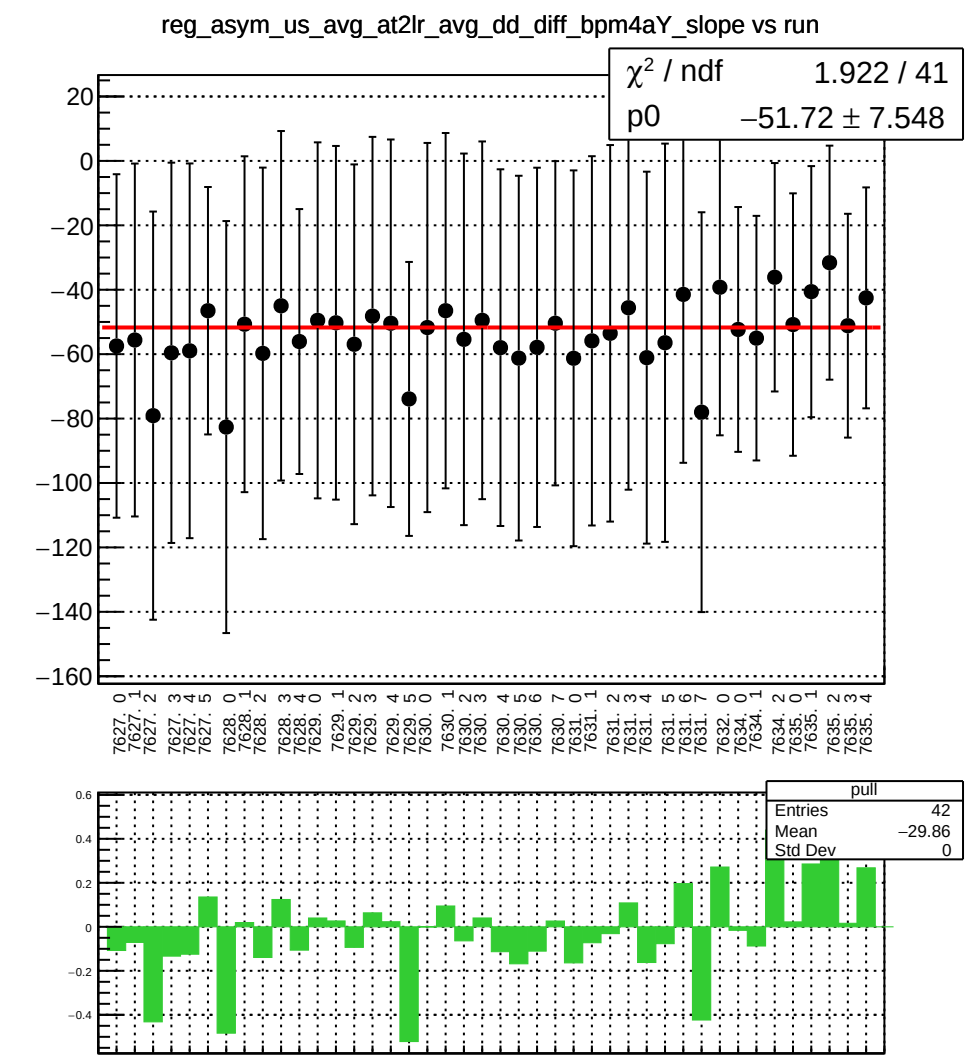

pull1D
Entries 42
Mean −0.01622
Std Dev 0.2634
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

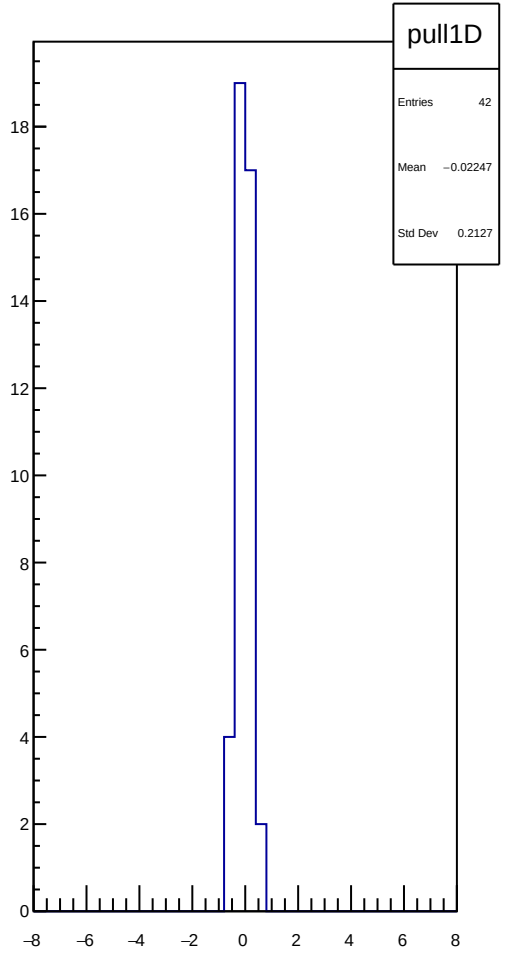

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.129 / 41
p0 83.28 ± 14.92
200
150
100
50
0
−50
−100
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −33.51
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean −0.02802
Std Dev 0.2234
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

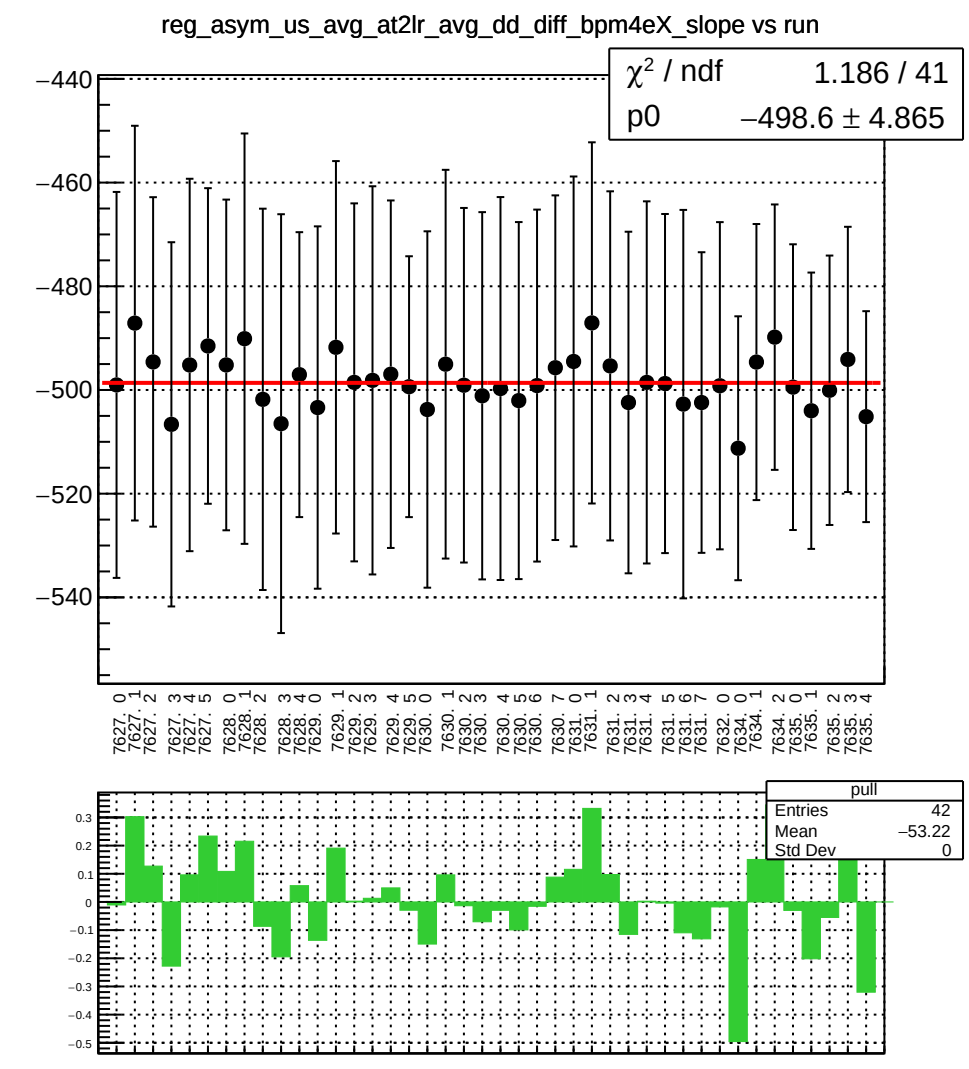

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 14.88 / 41
p0 −297.1± 1.068
−280
−285
−290
−295
−300
−305
−310
−315
−320
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −166.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.02275
Std Dev 0.5948
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

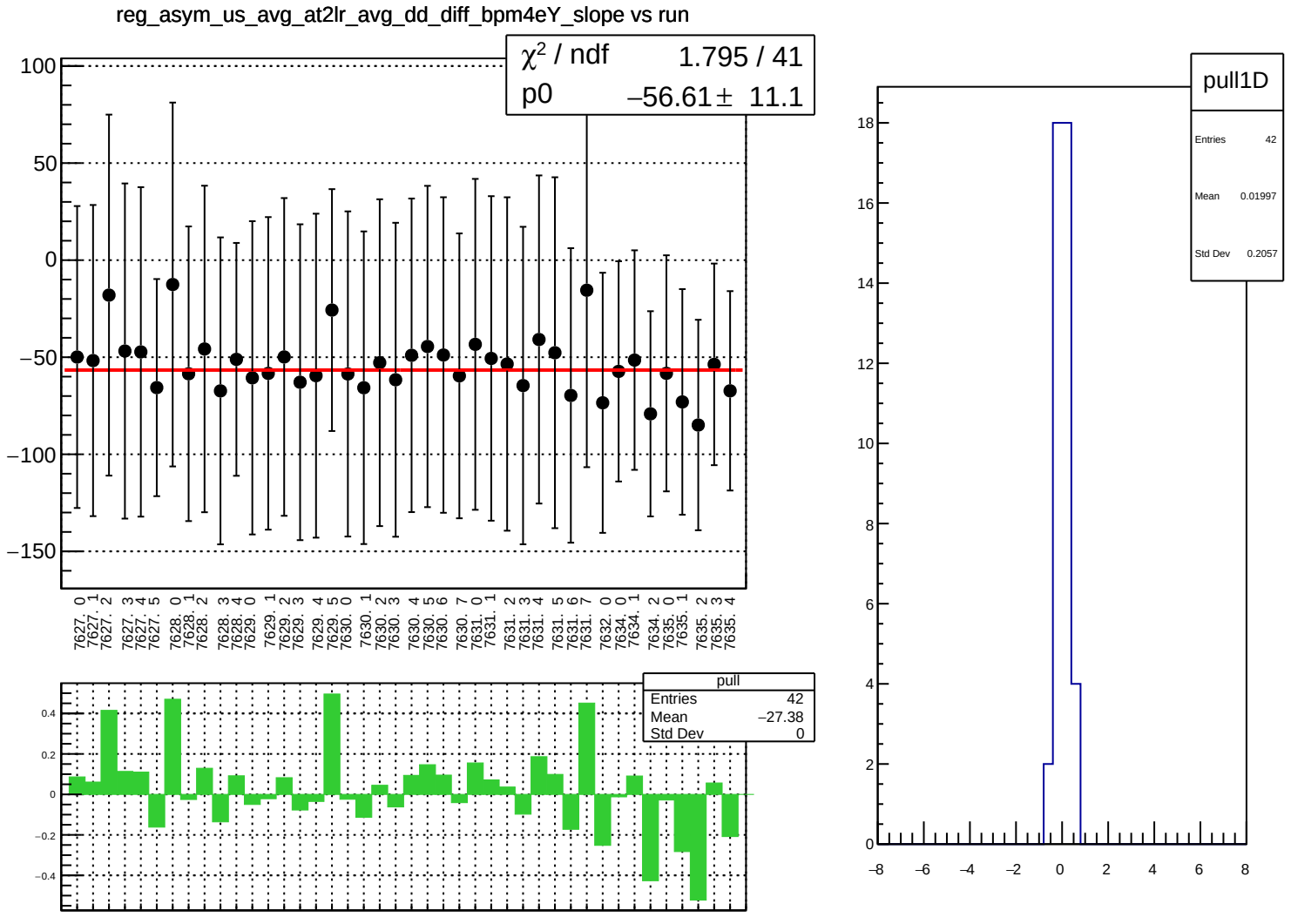

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 1.122 / 41
p0 507.9 ± 6.105
580
560
540
520
500
480
460
440
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −69.37
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

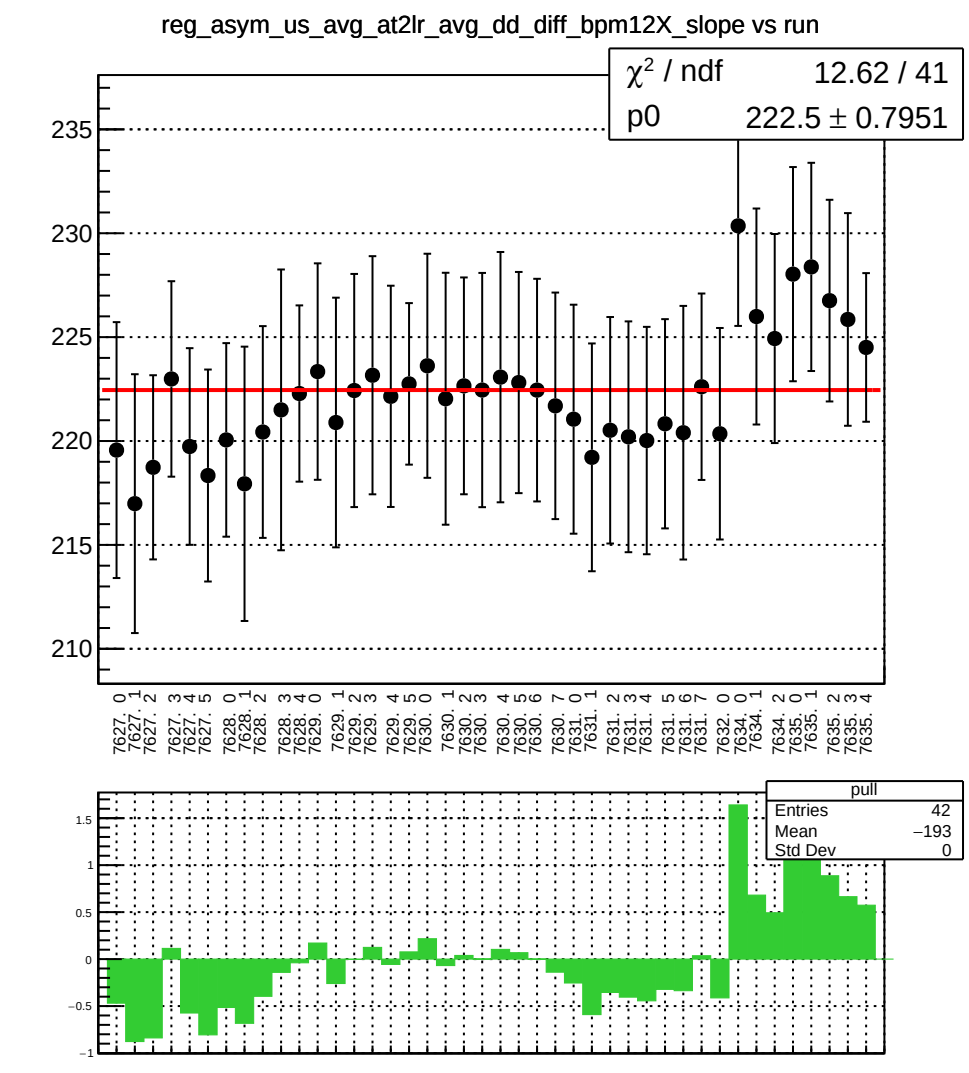

pull1D
Entries 42
Mean −0.003906
Std Dev 0.1634
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

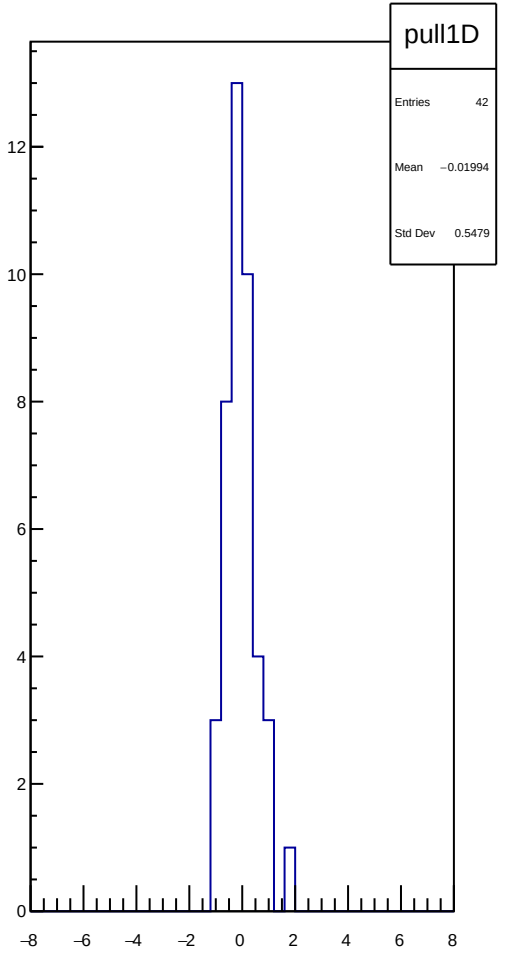

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.922 / 41
p0 −51.72 ± 7.548
pull
Entries 42
Mean −29.86
Std Dev 0

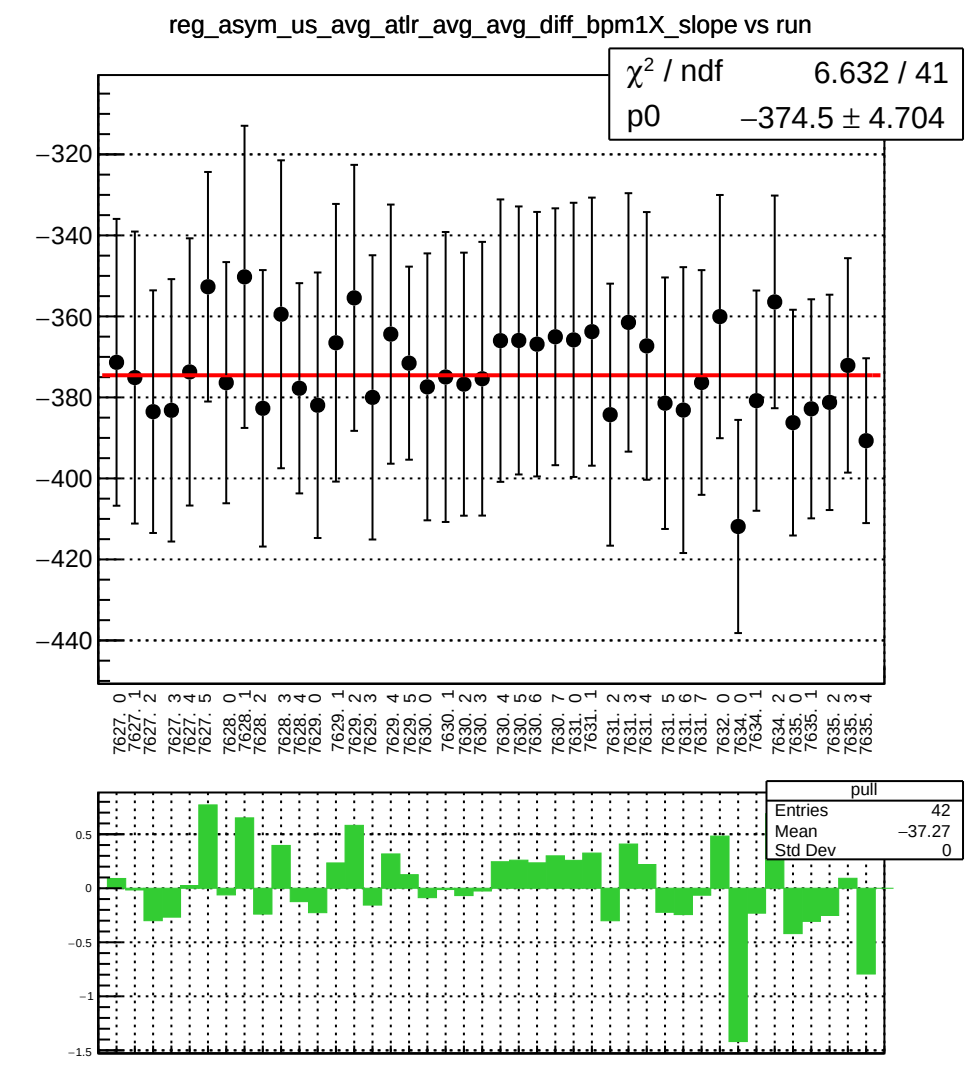

pull1D
Entries 42
Mean −0.02247
Std Dev 0.2127

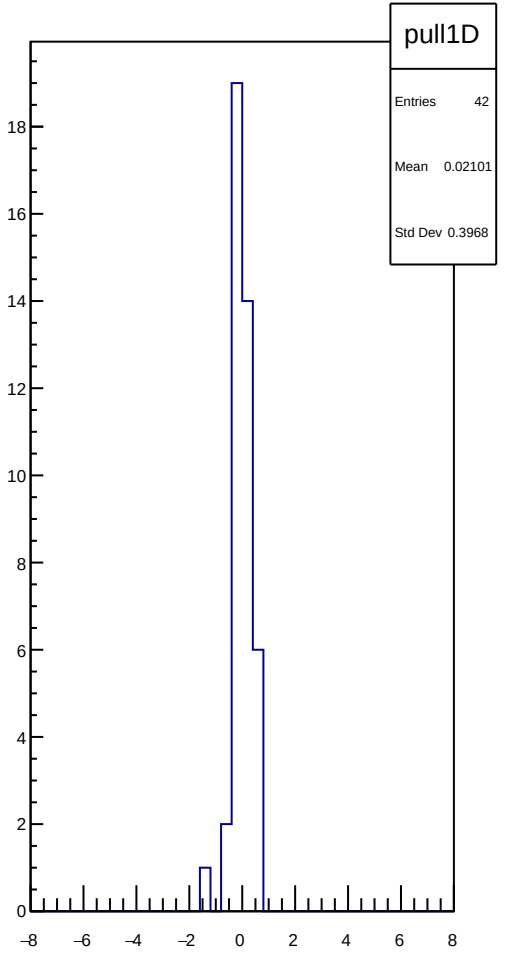

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.186 / 41
p0 −498.6 ± 4.865
−440
−460
−480
−500
−520
−540
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −53.22
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 42
Mean 0.006179
Std Dev 0.1679
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

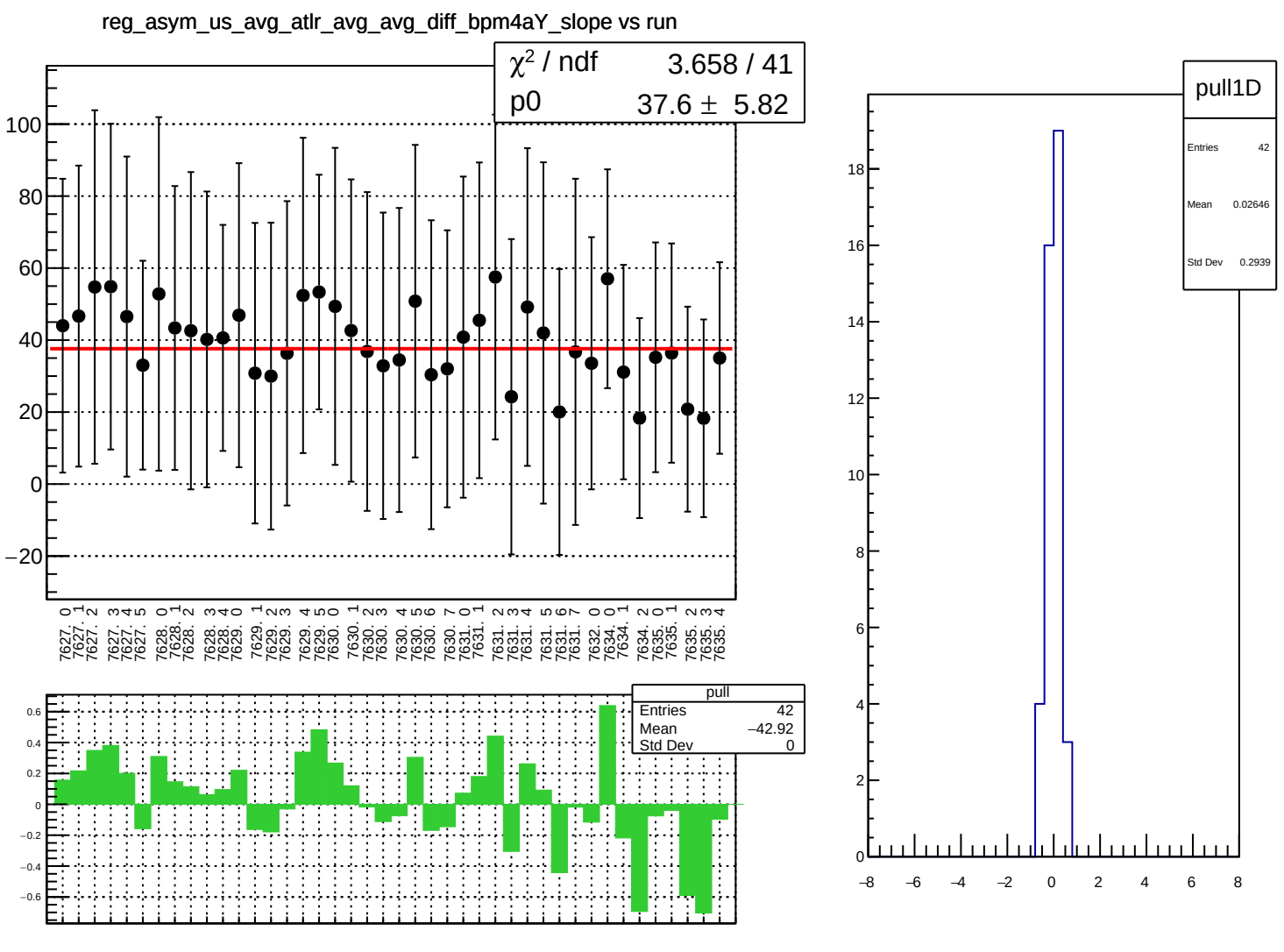

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.795 / 41
p0 −56.61 ± 11.1
100
50
0
−50
−100
−150
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −27.38
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean 0.01997
Std Dev 0.2057
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

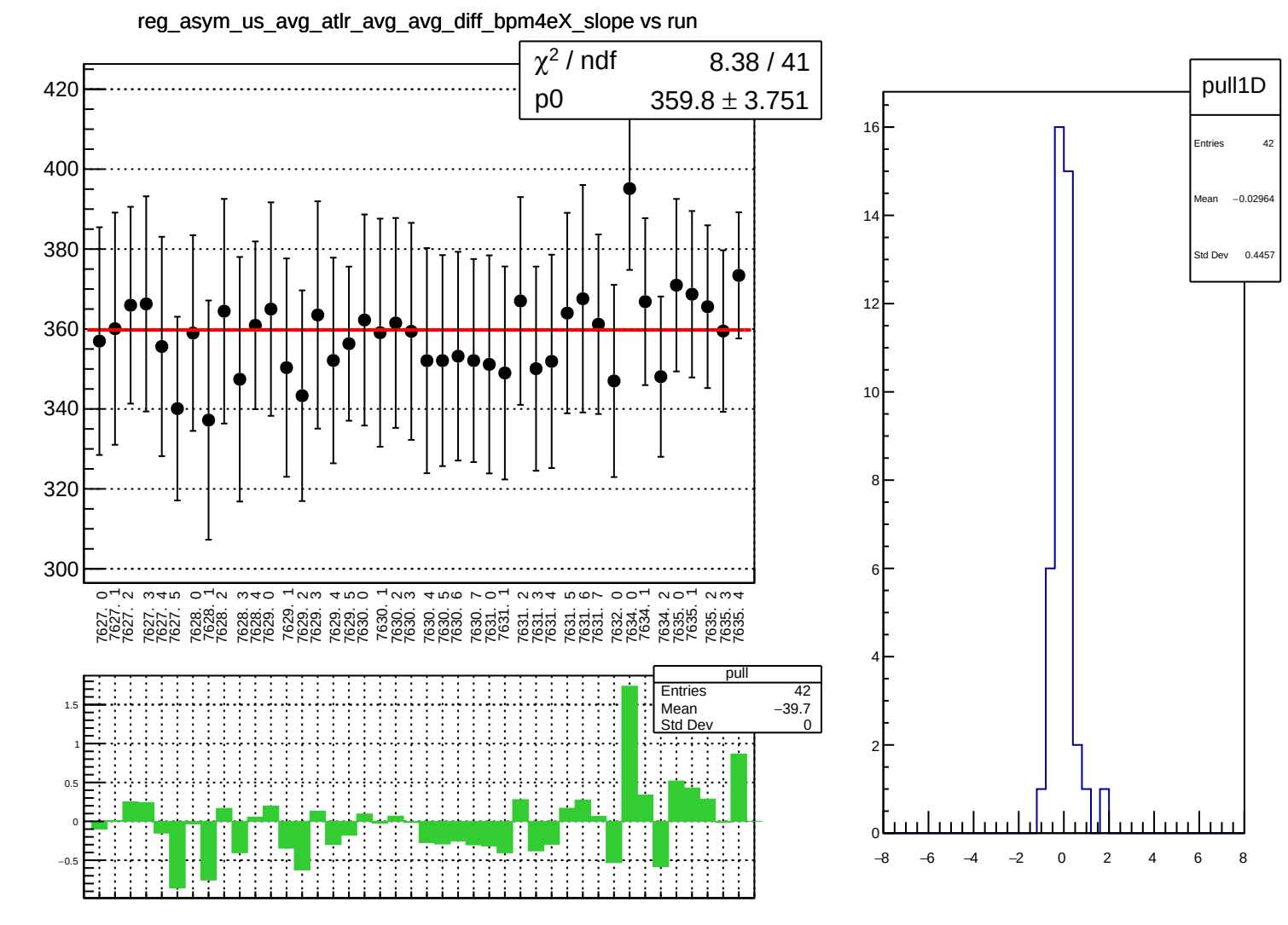

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 12.62 / 41
p0 222.5 ± 0.7951
235
230
225
220
215
210
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −193
Std Dev 0
1.5
1
0.5
0
−0.5
−1

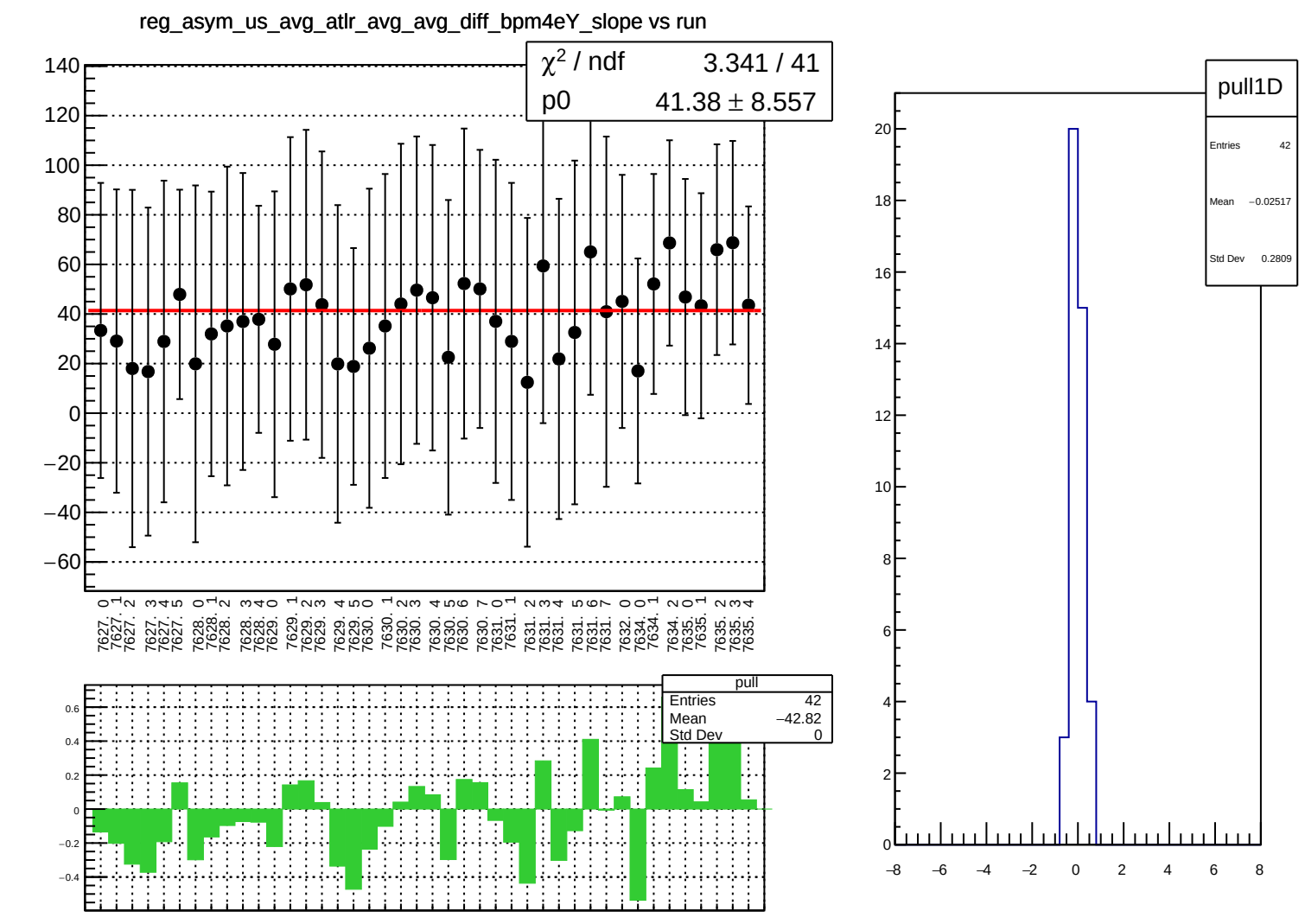

pull1D
Entries 42
Mean −0.01994
Std Dev 0.5479
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

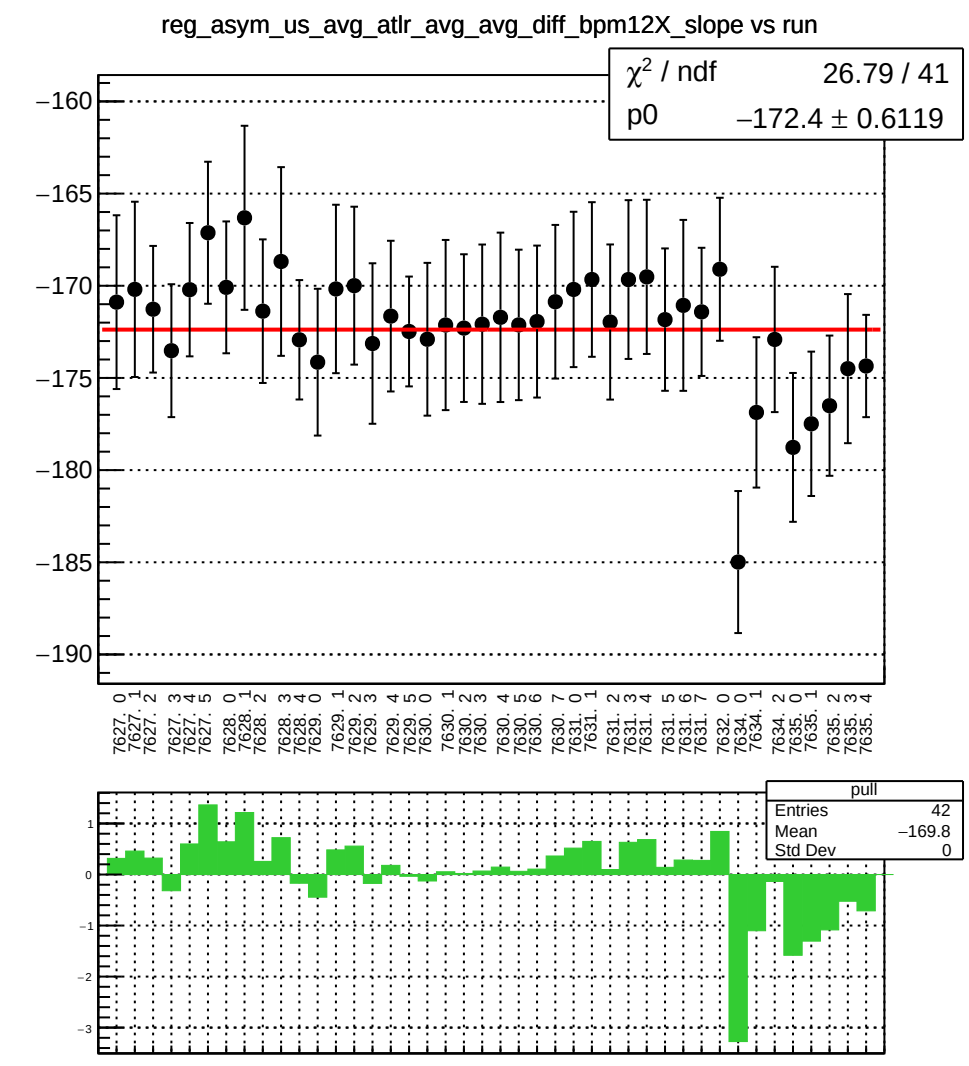

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.632 / 41
p0 −374.5 ± 4.704
−320
−340
−360
−380
−400
−420
−440
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −37.27
Std Dev 0
0.5
0
−0.5
−1
−1.5

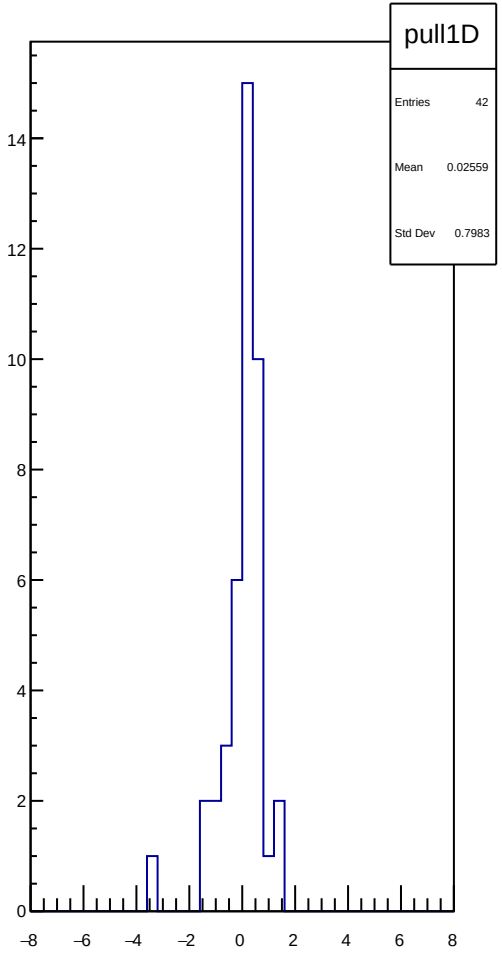

pull1D
Entries 42
Mean 0.02101
Std Dev 0.3968
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

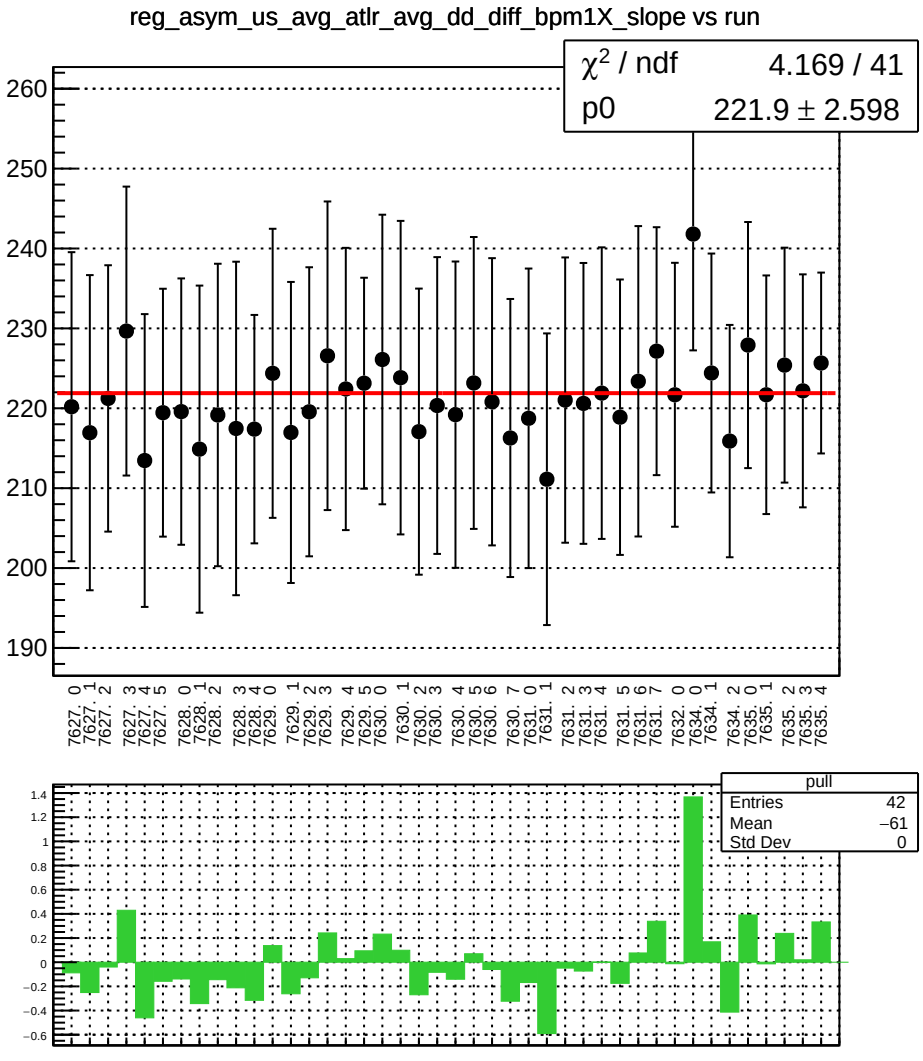

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.658 / 41
p0 37.6 ± 5.82
pull
Entries 42
Mean −42.92
Std Dev 0
pull1D
Entries 42
Mean 0.02646
Std Dev 0.2939

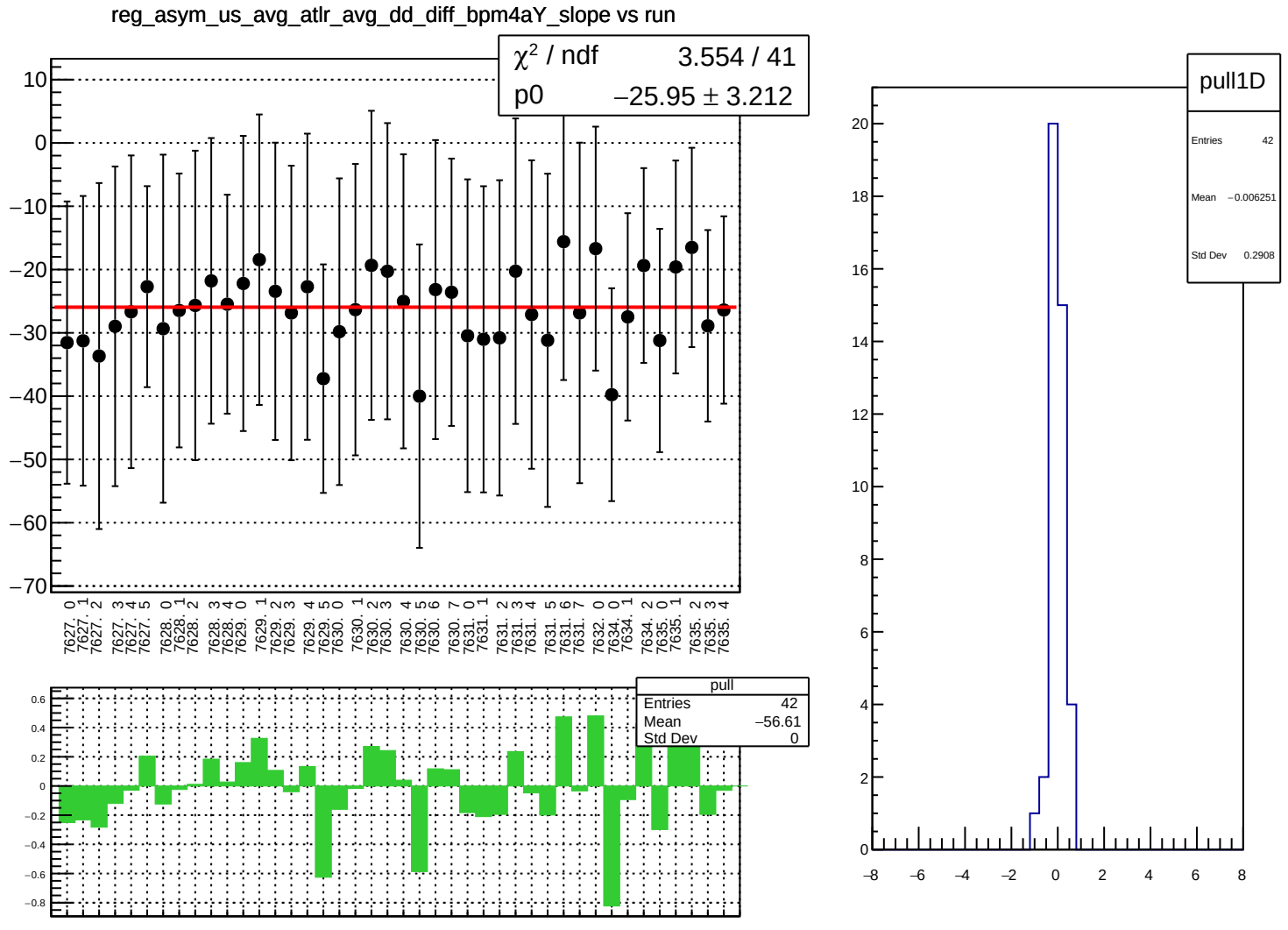

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.38 / 41
p0 359.8 ± 3.751
420
400
380
360
340
320
300
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −39.7
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 42
Mean −0.02964
Std Dev 0.4457
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

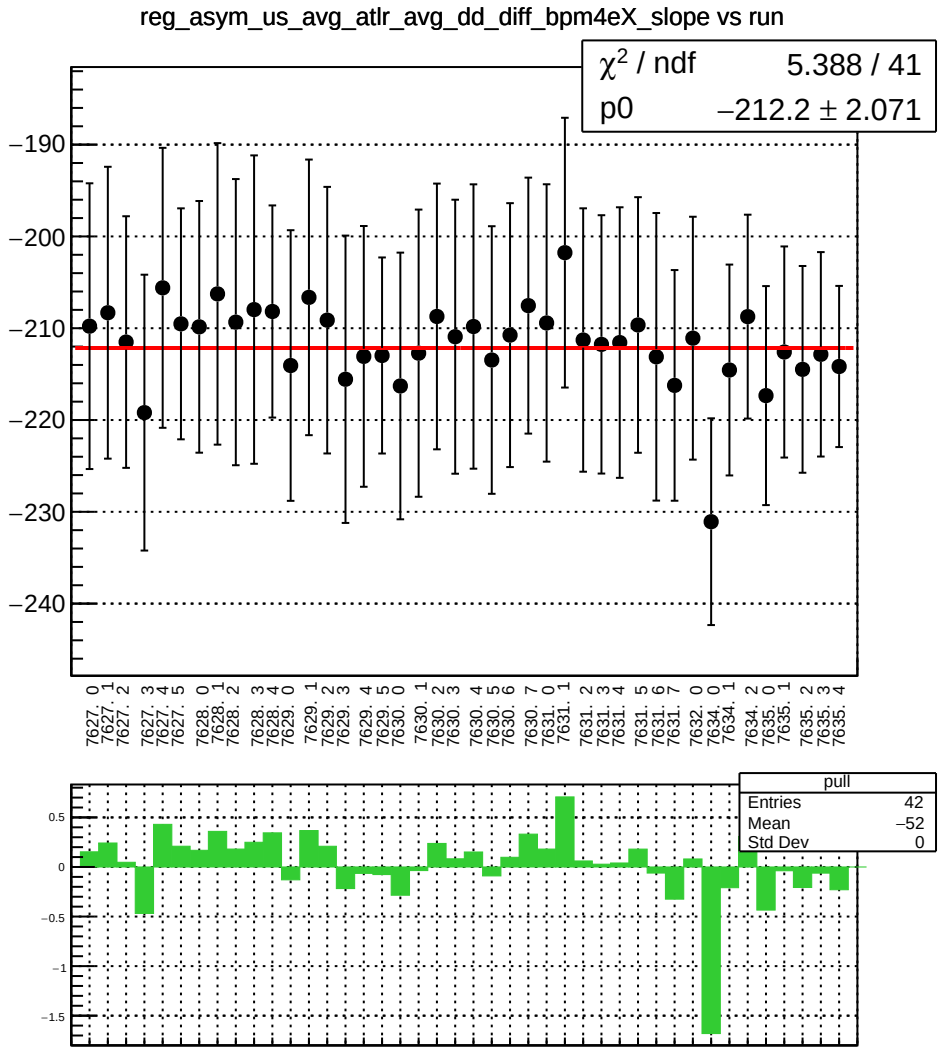

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.341 / 41
p0 41.38 ± 8.557
140
120
100
80
60
40
20
0
−20
−40
−60
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −42.82
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 42
Mean −0.02517
Std Dev 0.2809
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

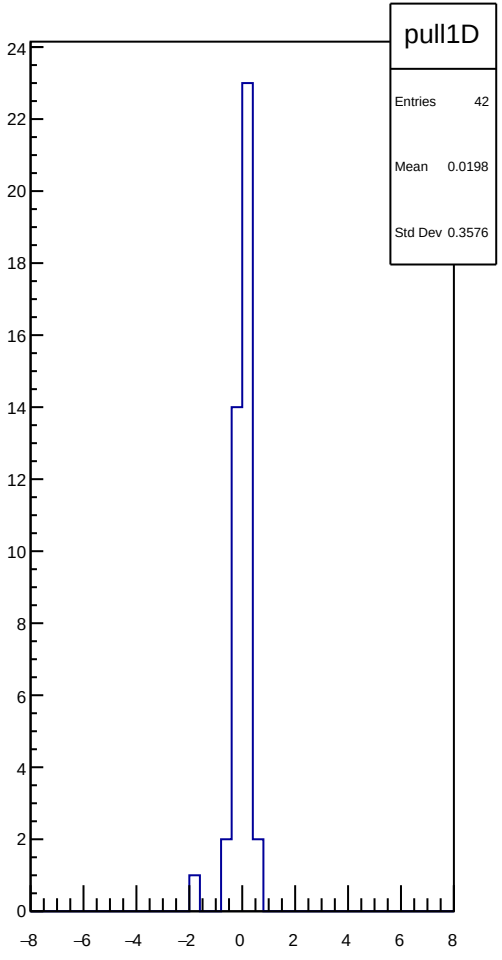

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 26.79 / 41
p0 −172.4 ± 0.6119
pull
Entries 42
Mean −169.8
Std Dev 0

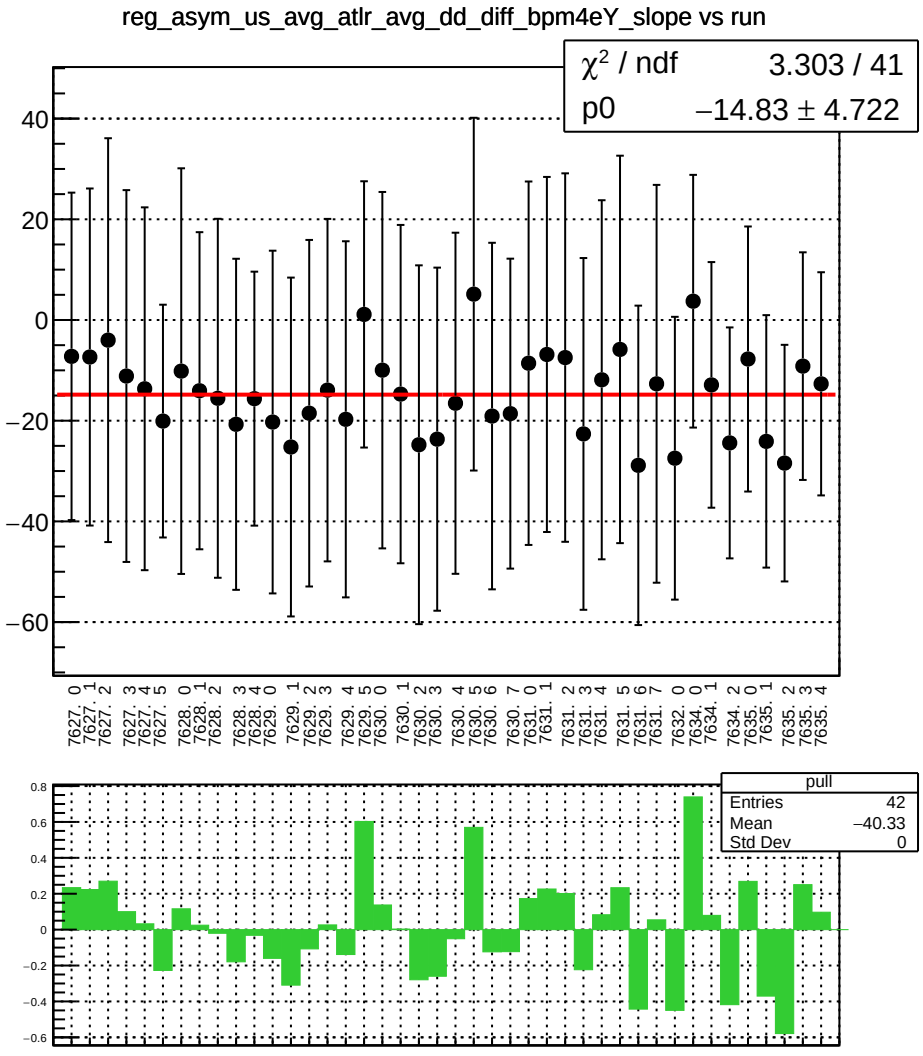

pull1D
Entries 42
Mean 0.02559
Std Dev 0.7983

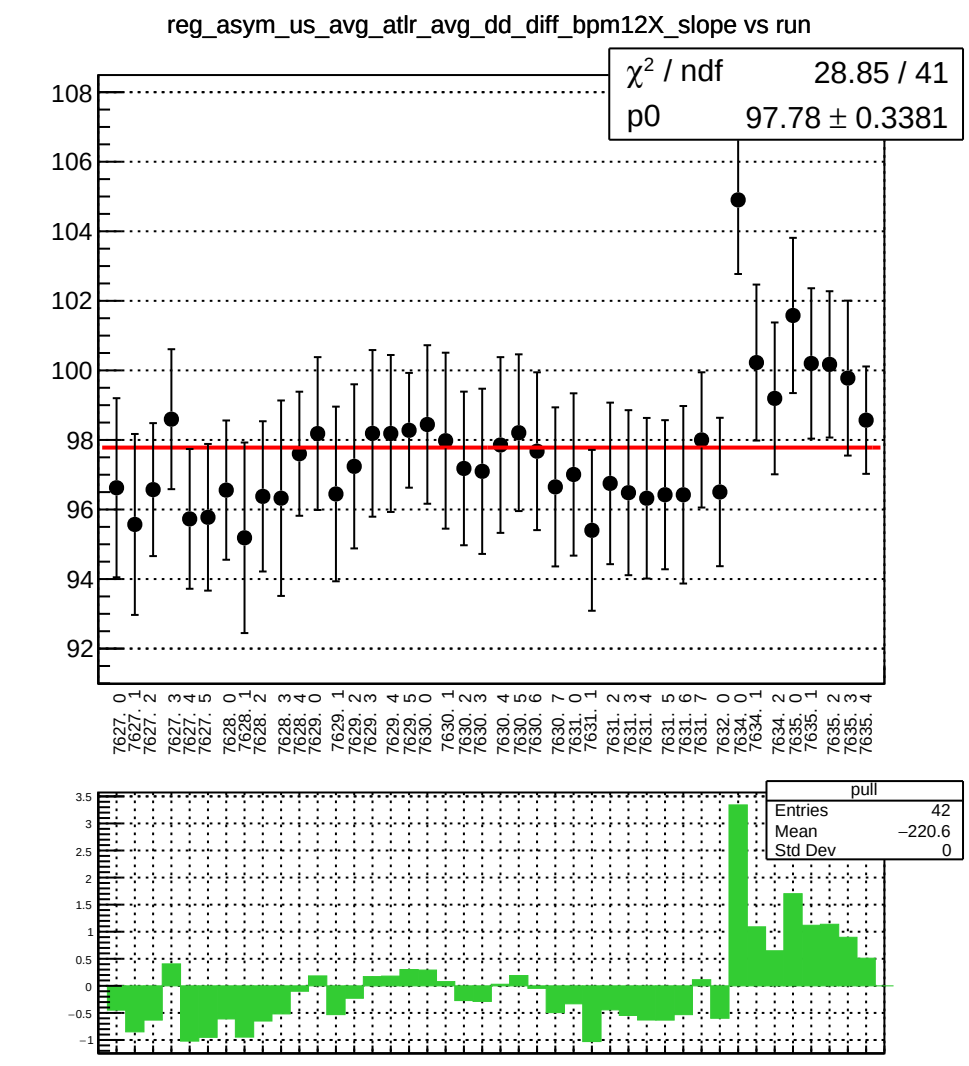

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 4.169 / 41
p0 221.9 ± 2.598
pull
Entries 42
Mean −61
Std Dev 0
pull1D
Entries 42
Mean −0.0152
Std Dev 0.3147

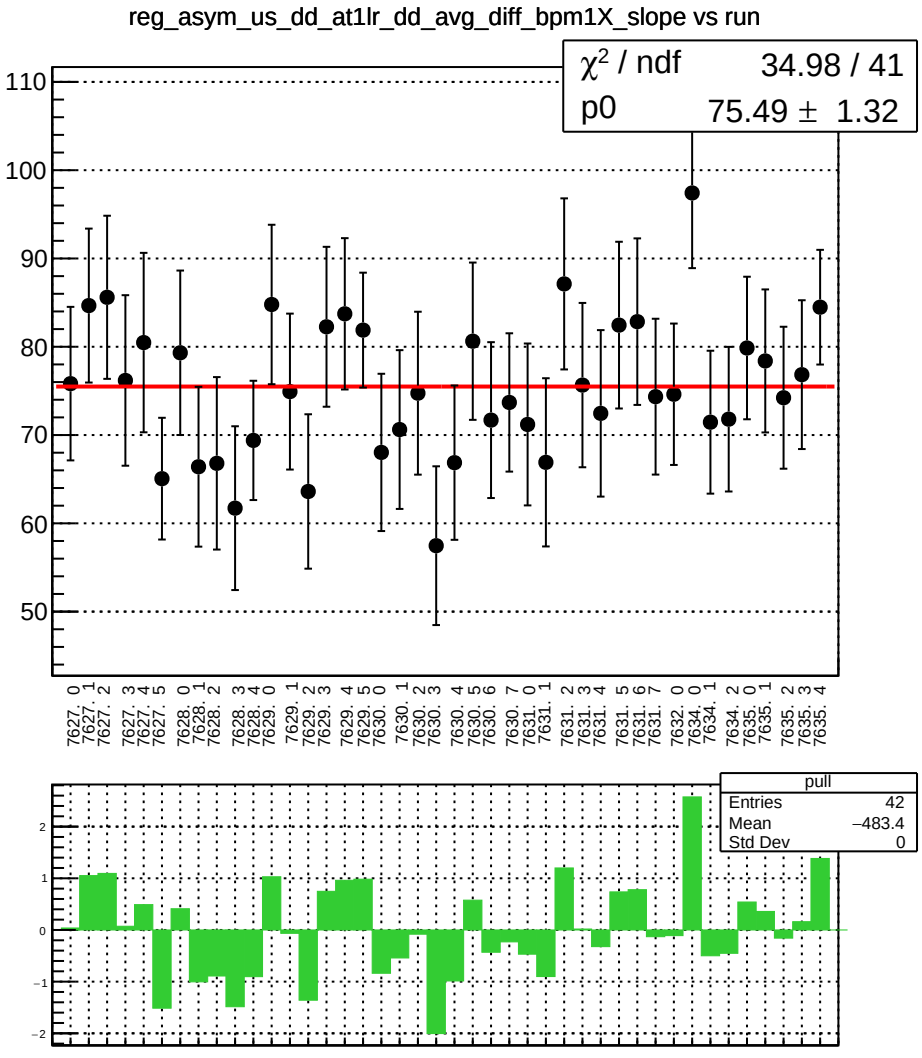

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.554 / 41
p0 −25.95 ± 3.212
pull
Entries 42
Mean −56.61
Std Dev 0
pull1D
Entries 42
Mean −0.006251
Std Dev 0.2908

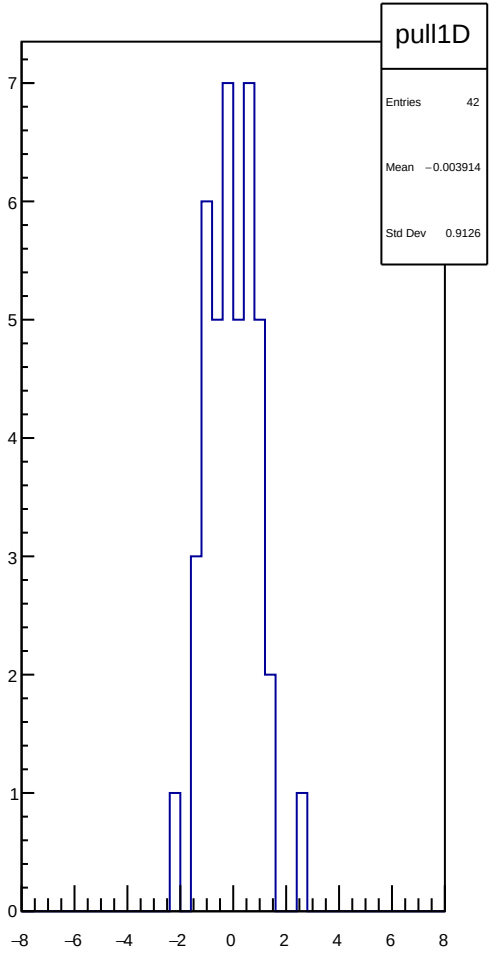

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.388 / 41
p0 −212.2 ± 2.071
−190
−200
−210
−220
−230
−240
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −52
Std Dev 0
0.5
0
−0.5
−1
−1.5

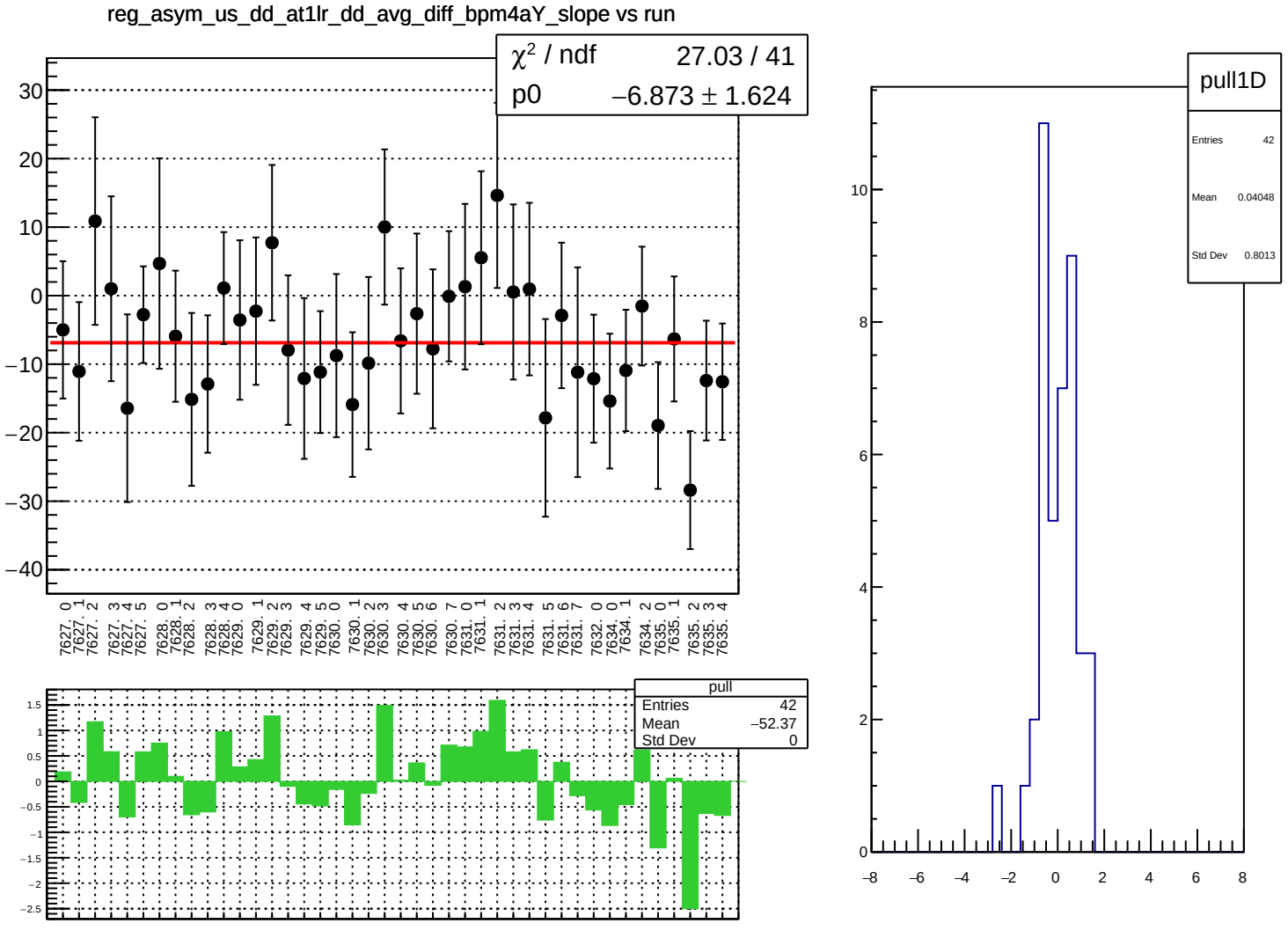

pull1D
Entries 42
Mean 0.0198
Std Dev 0.3576
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

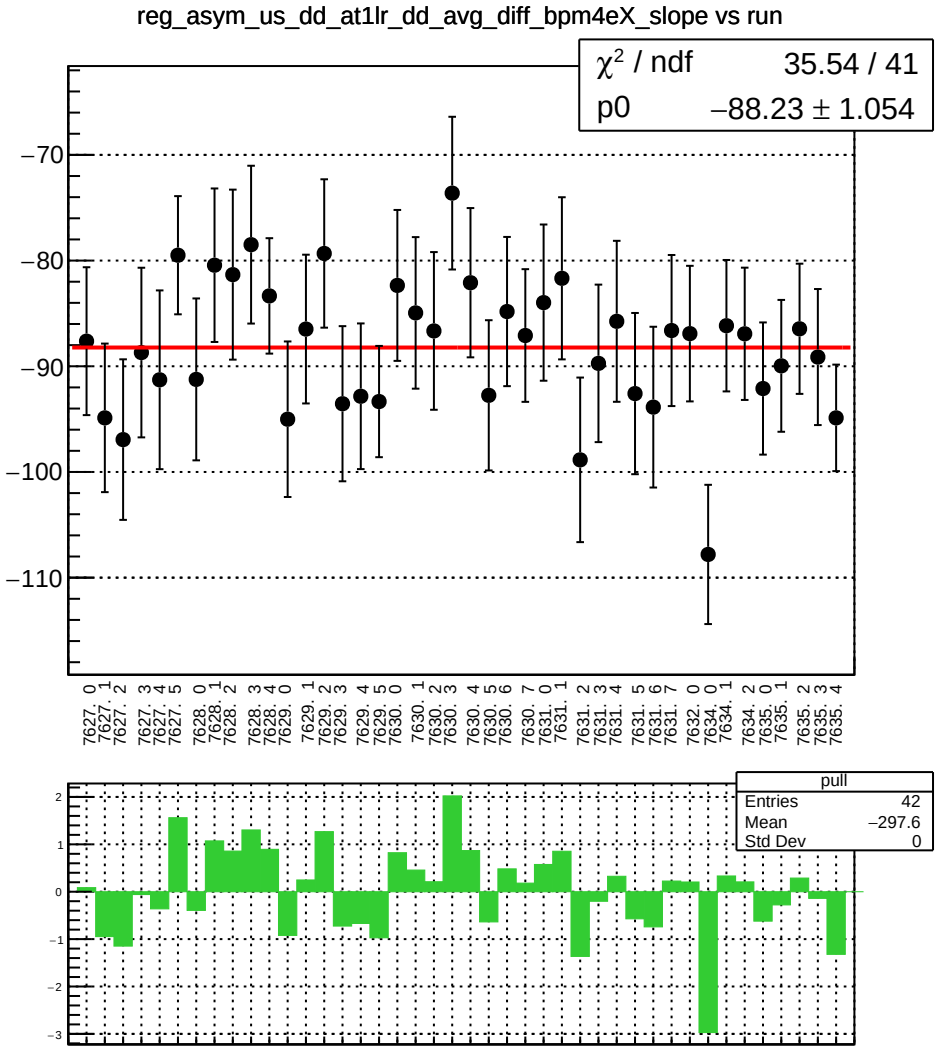

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.303 / 41
p0 −14.83 ± 4.722
pull
Entries 42
Mean −40.33
Std Dev 0
pull1D
Entries 42
Mean 0.006049
Std Dev 0.2804

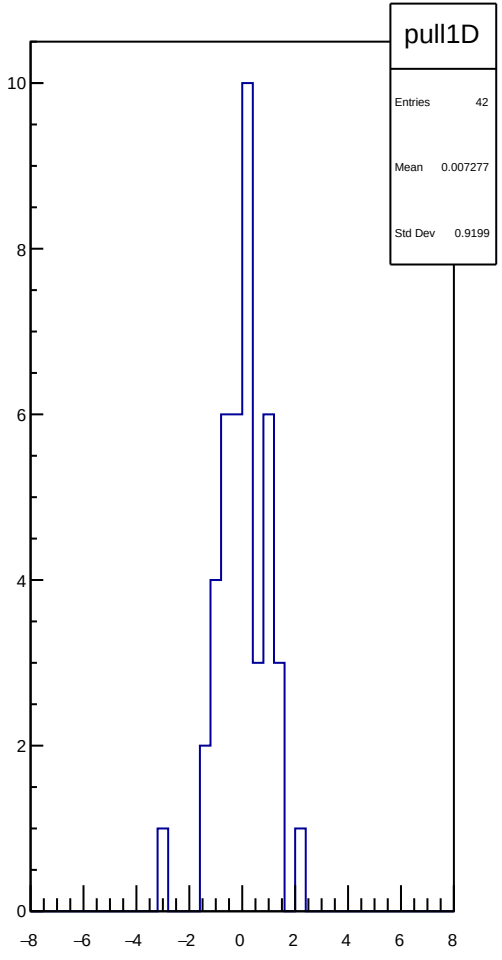

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 28.85 / 41
p0 97.78 ± 0.3381
108
106
104
102
100
98
96
94
92
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −220.6
Std Dev 0
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 42
Mean −0.02246
Std Dev 0.8286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

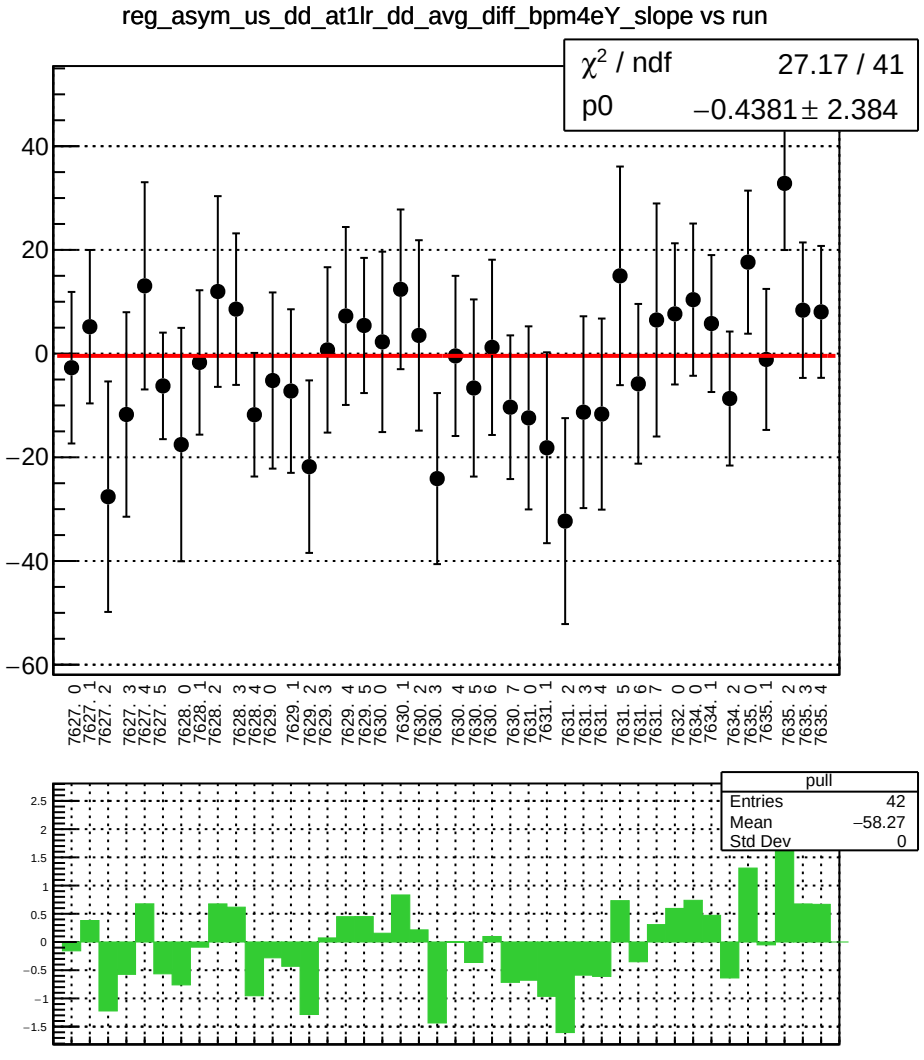

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 34.98 / 41
p0 75.49 ± 1.32
pull
Entries 42
Mean −483.4
Std Dev 0

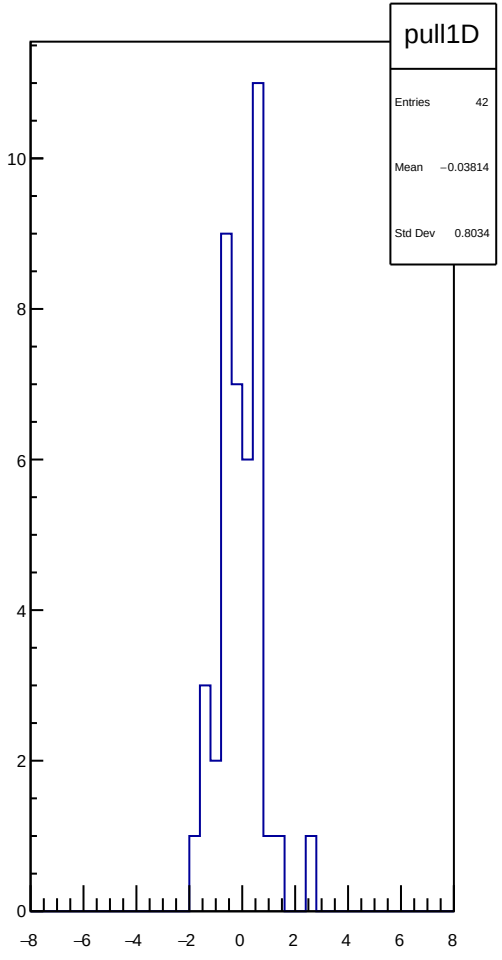

pull1D
Entries 42
Mean −0.003914
Std Dev 0.9126

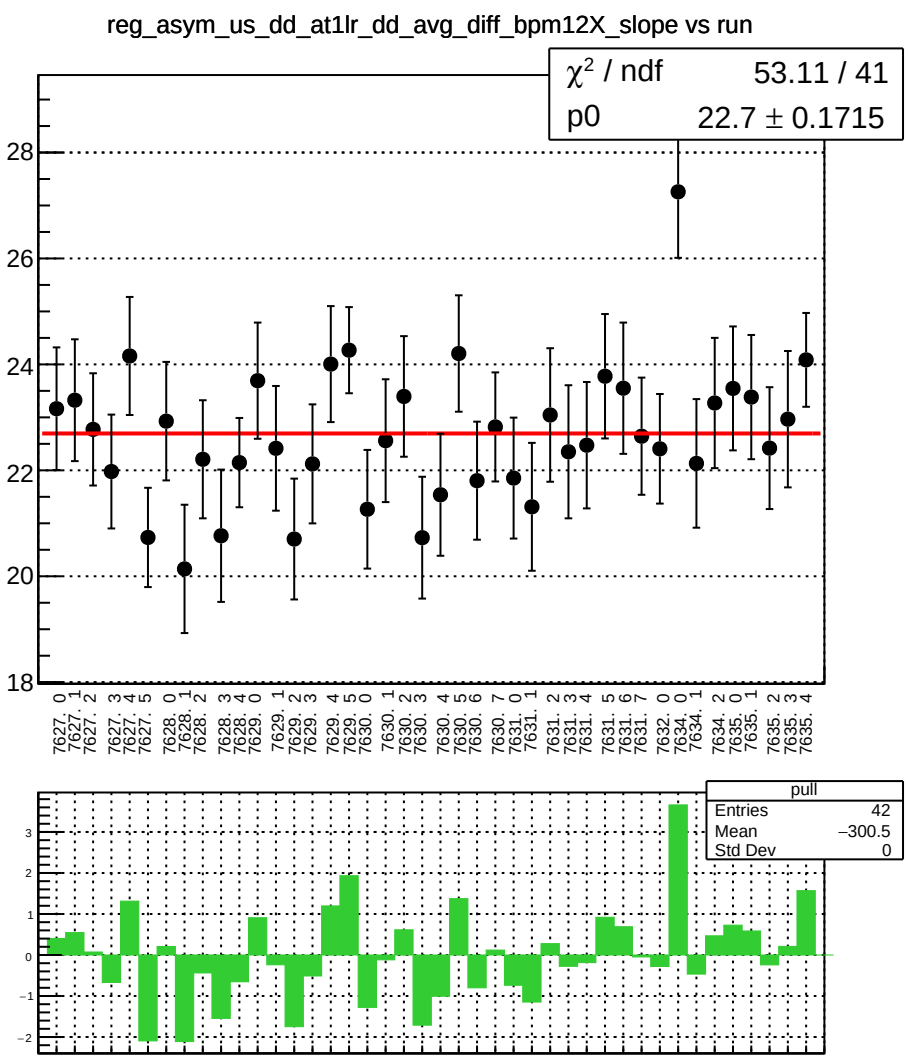

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.03 / 41
p0 −6.873 ± 1.624
pull
Entries 42
Mean −52.37
Std Dev 0
pull1D
Entries 42
Mean 0.04048
Std Dev 0.8013

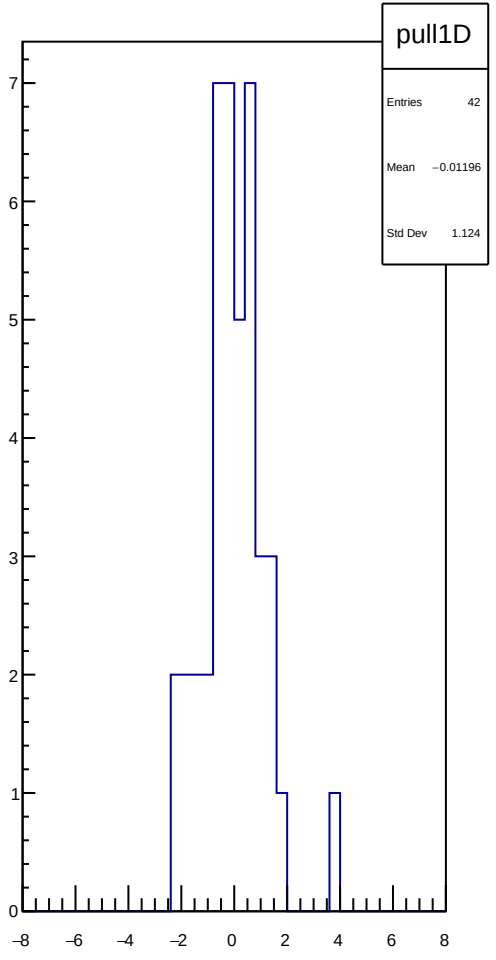

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.54 / 41
p0 −88.23 ± 1.054
−70
−80
−90
−100
−110
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −297.6
Std Dev 0
2
1
0
−1
−2
−3

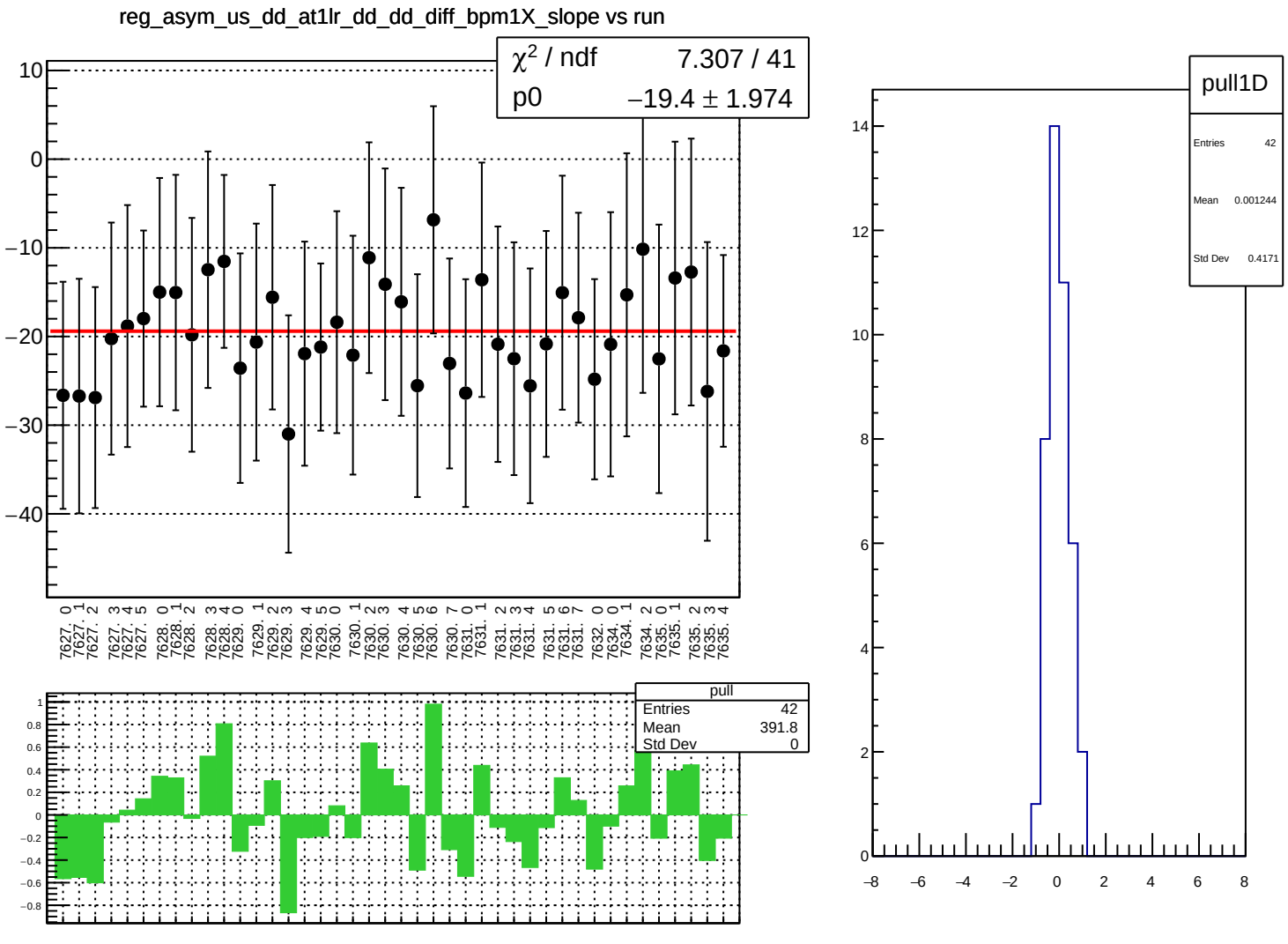

pull1D
Entries 42
Mean 0.007277
Std Dev 0.9199
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

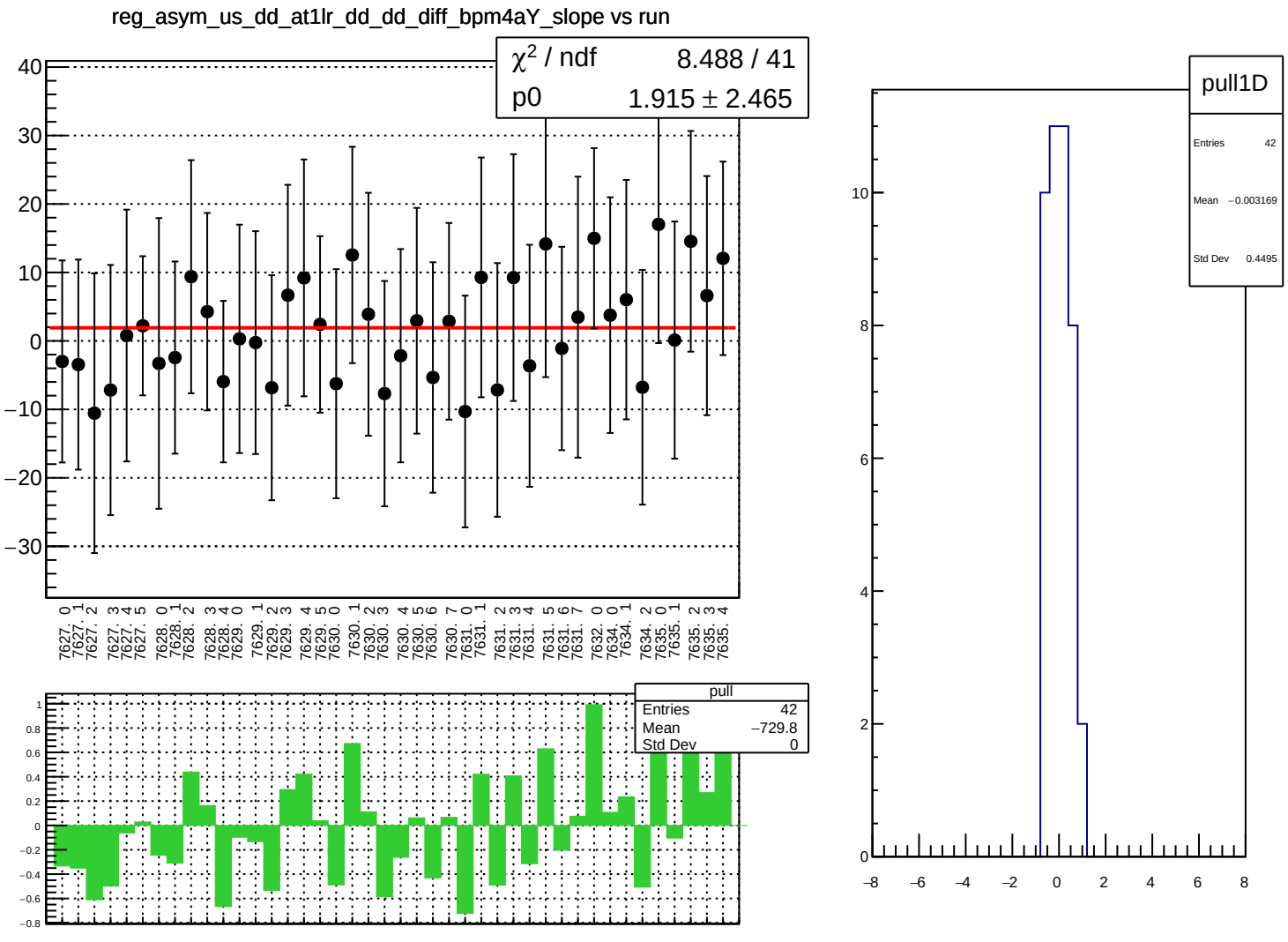

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.17 / 41
p0 −0.4381 ± 2.384
pull
Entries 42
Mean −58.27
Std Dev 0

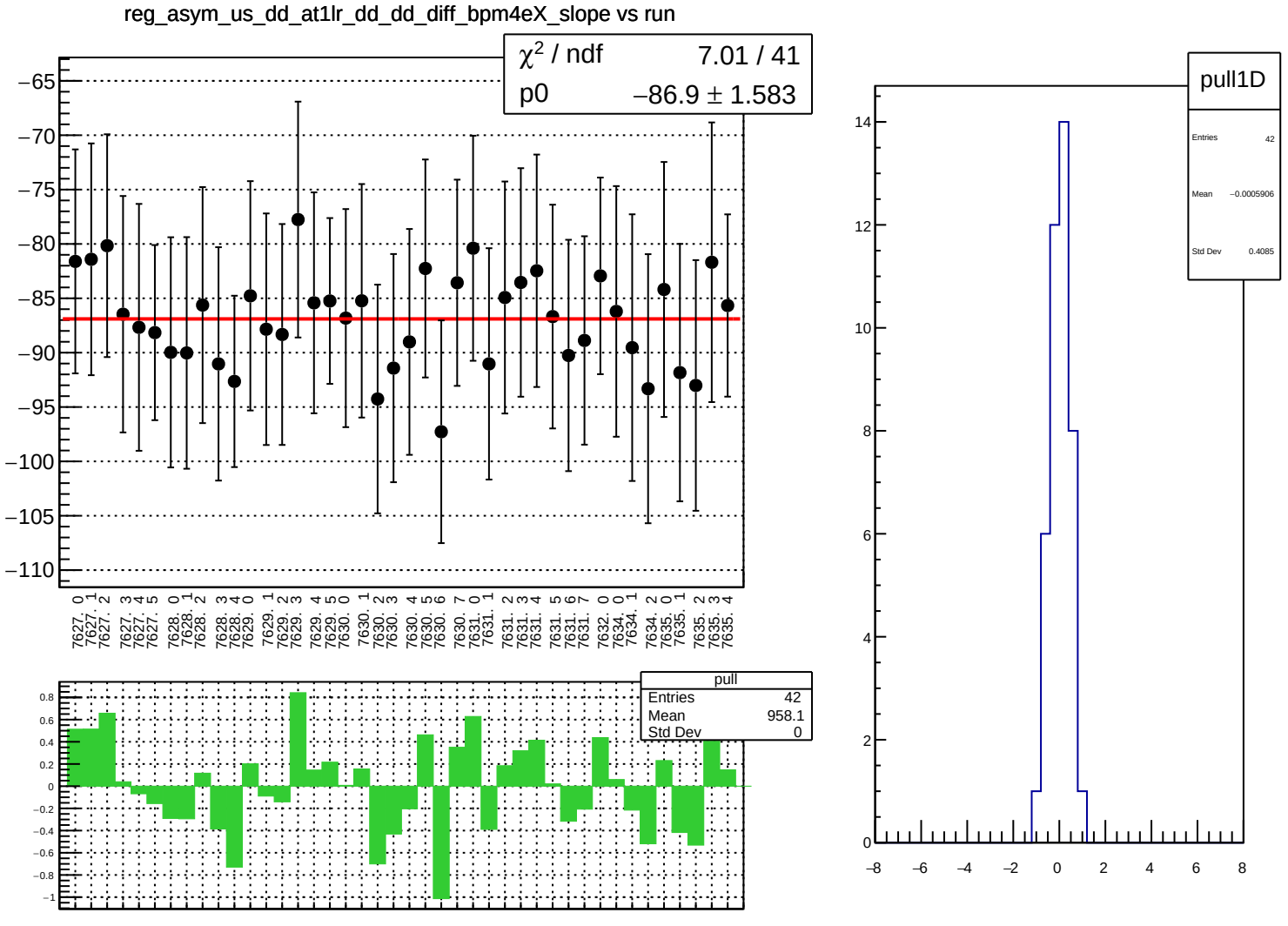

pull1D
Entries 42
Mean −0.03814
Std Dev 0.8034

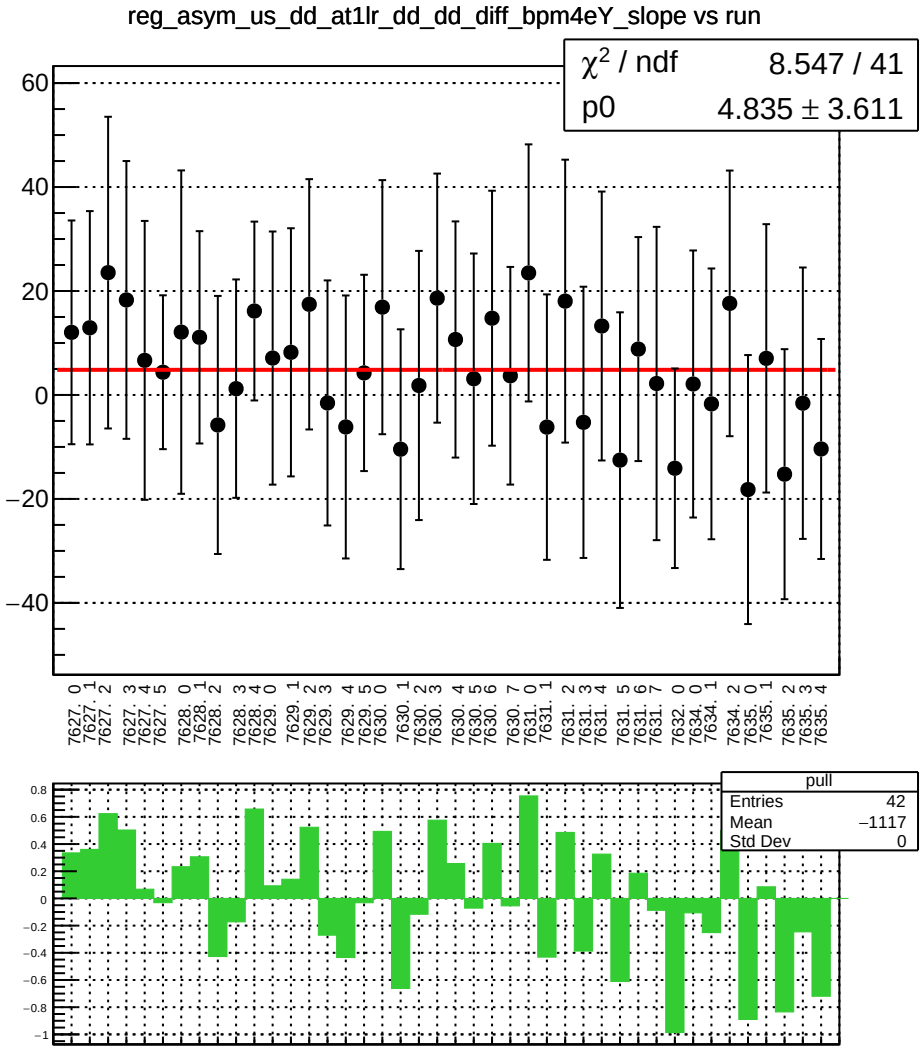

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 53.11 / 41
p0 22.7 ± 0.1715
28
26
24
22
20
18
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean −300.5
Std Dev 0
3
2
1
0
−1
−2

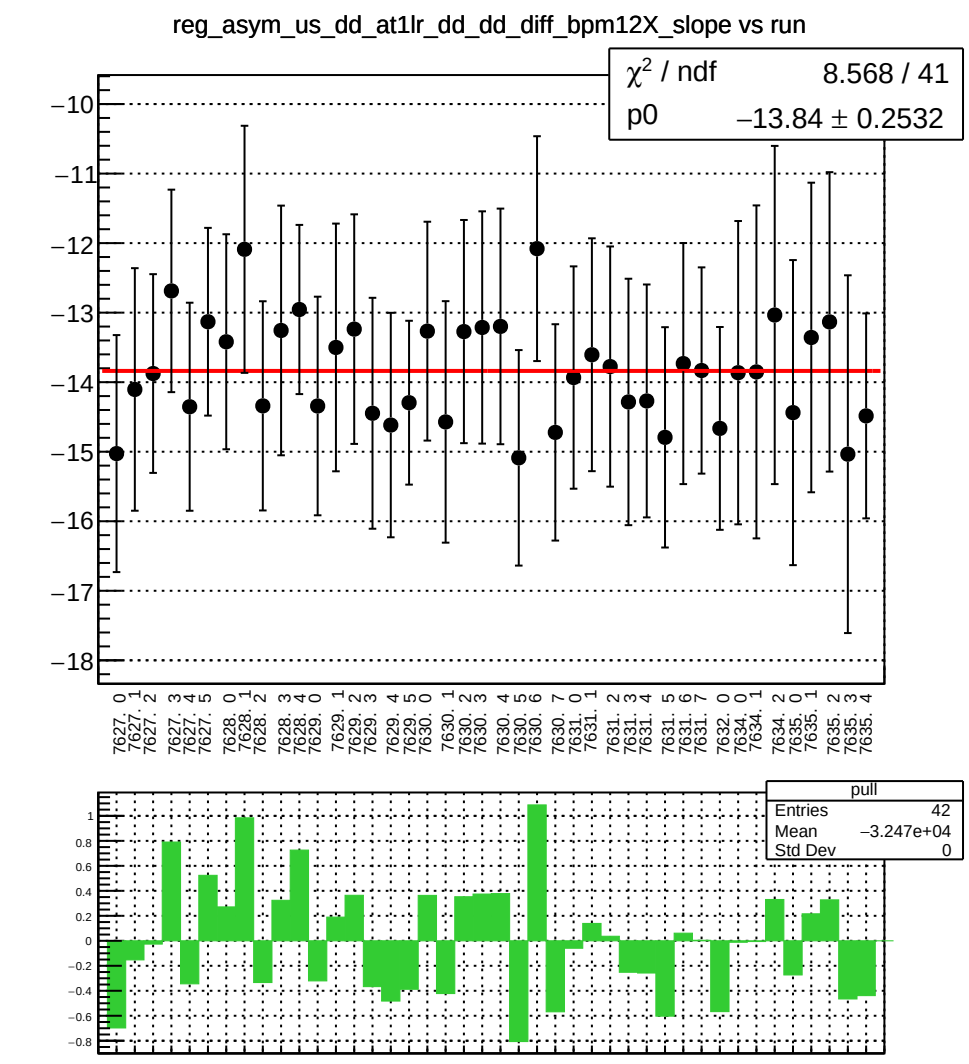

pull1D
Entries 42
Mean −0.01196
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

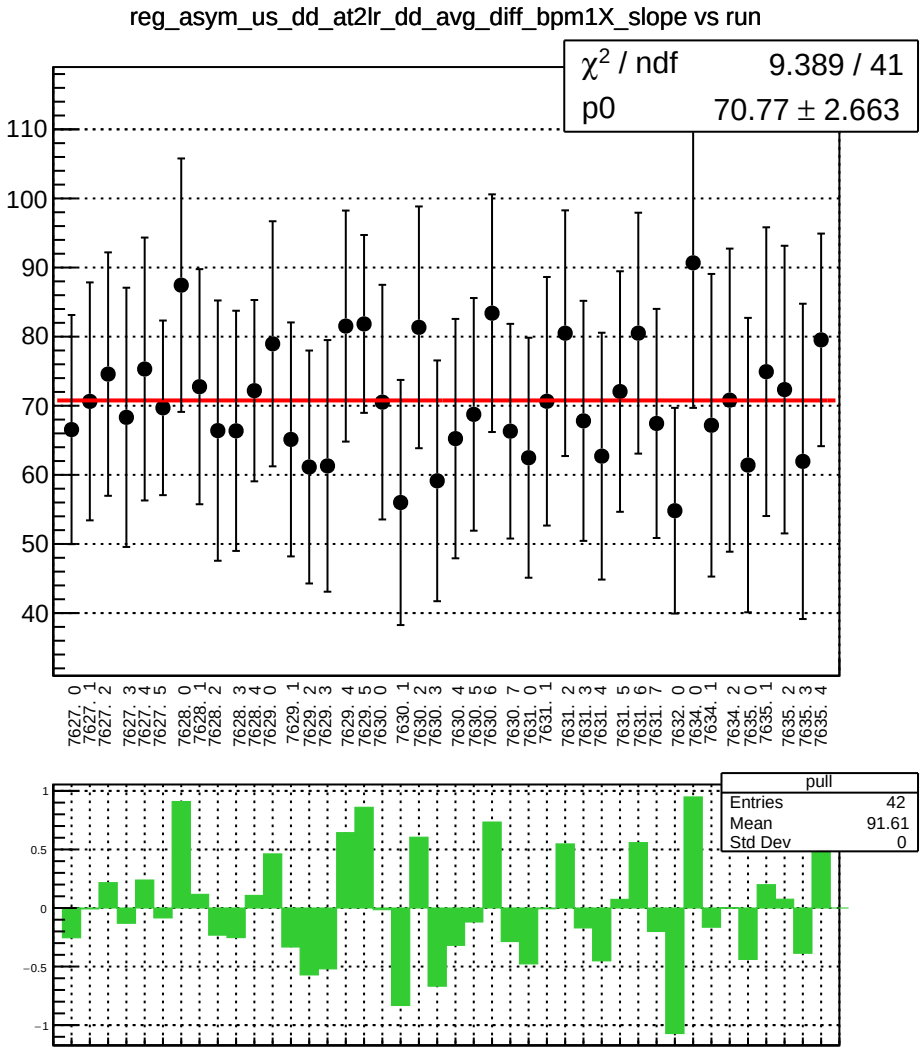

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 7.307 / 41
p0 −19.4 ± 1.974
pull
Entries 42
Mean 391.8
Std Dev 0
pull1D
Entries 42
Mean 0.001244
Std Dev 0.4171

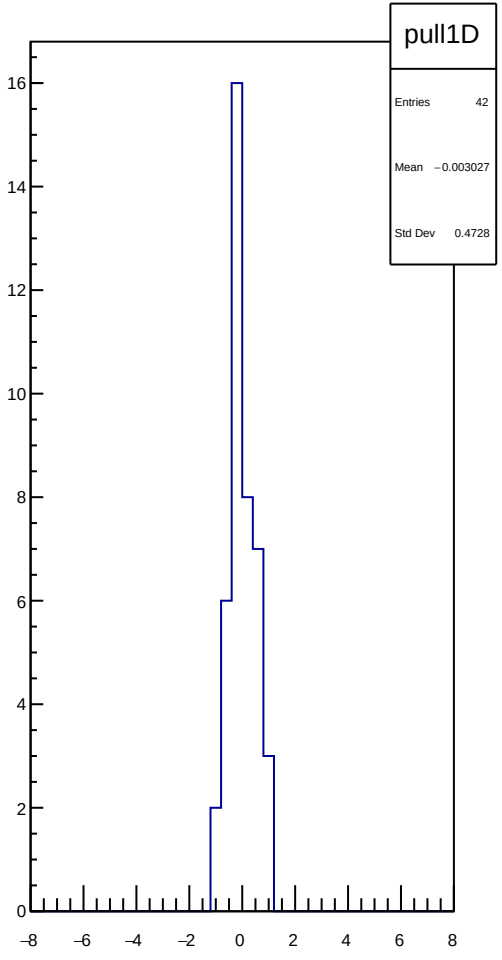

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.488 / 41
p0 1.915 ± 2.465
pull
Entries 42
Mean −729.8
Std Dev 0
pull1D
Entries 42
Mean −0.003169
Std Dev 0.4495

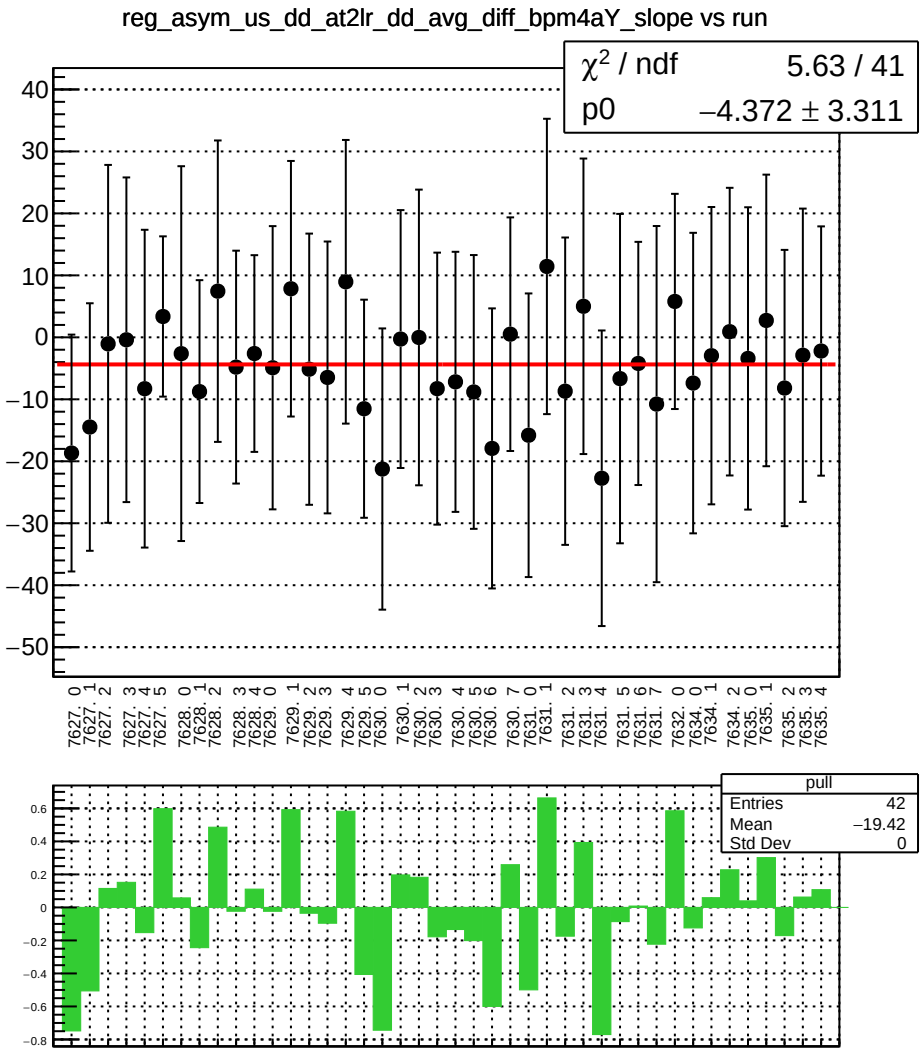

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.01 / 41
p0 −86.9 ± 1.583
pull
Entries 42
Mean 958.1
Std Dev 0
pull1D
Entries 42
Mean −0.0005906
Std Dev 0.4085

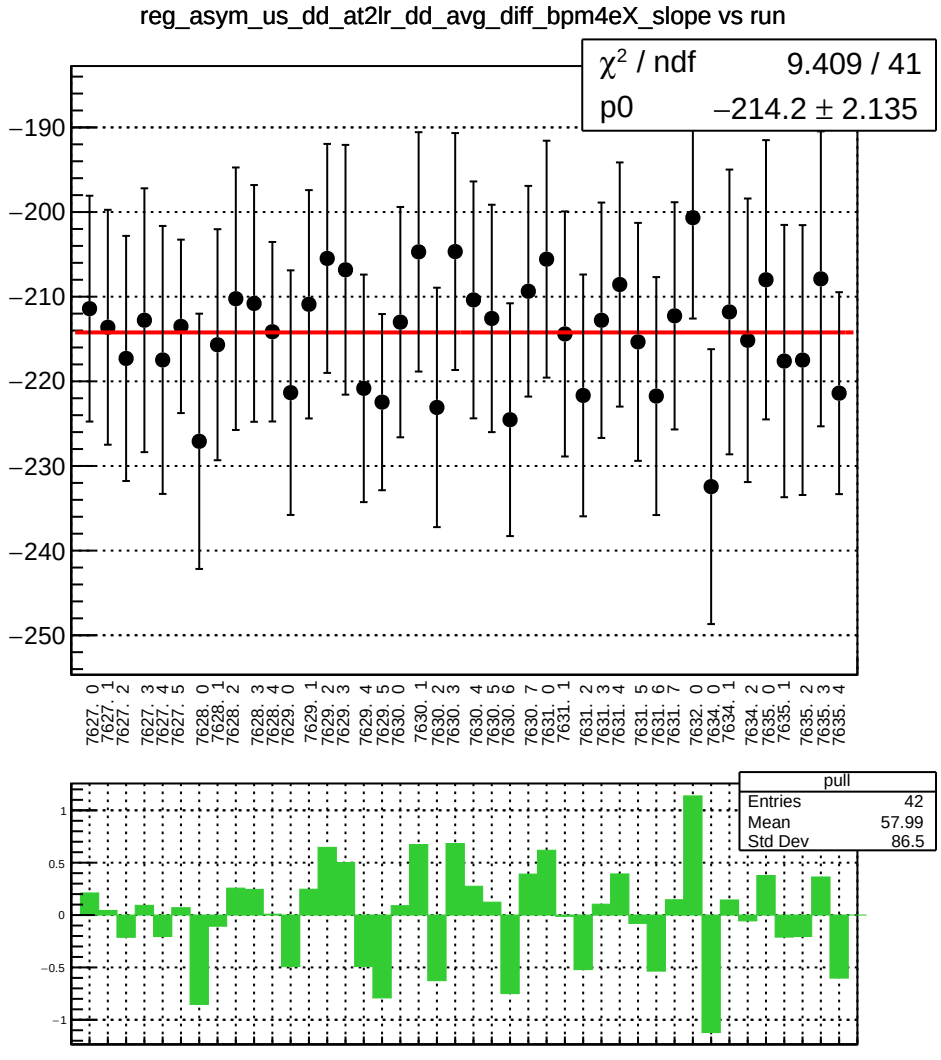

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.547 / 41
p0 4.835 ± 3.611
pull
Entries 42
Mean −1117
Std Dev 0
pull1D
Entries 42
Mean 0.002127
Std Dev 0.4511

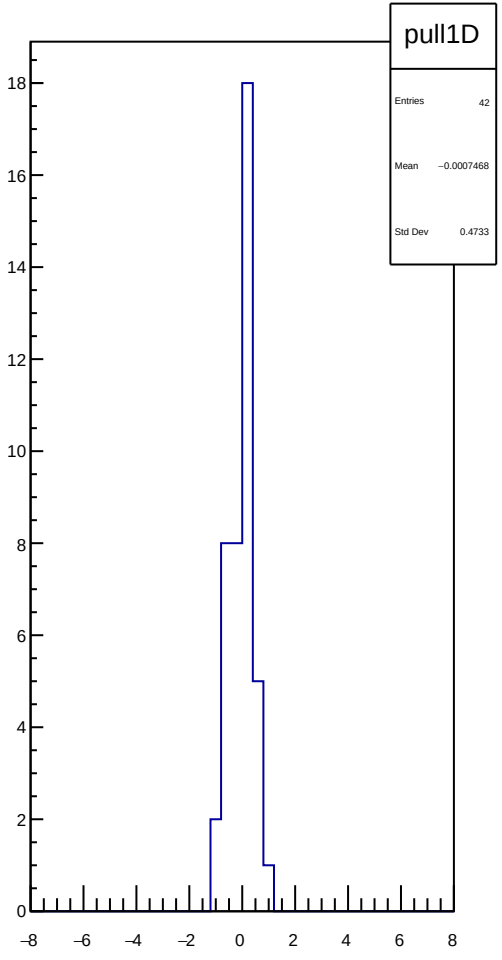

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 8.568 / 41
p0 −13.84 ± 0.2532
pull
Entries 42
Mean −3.247e+04
Std Dev 0
pull1D
Entries 42
Mean 3.076e−05
Std Dev 0.4517

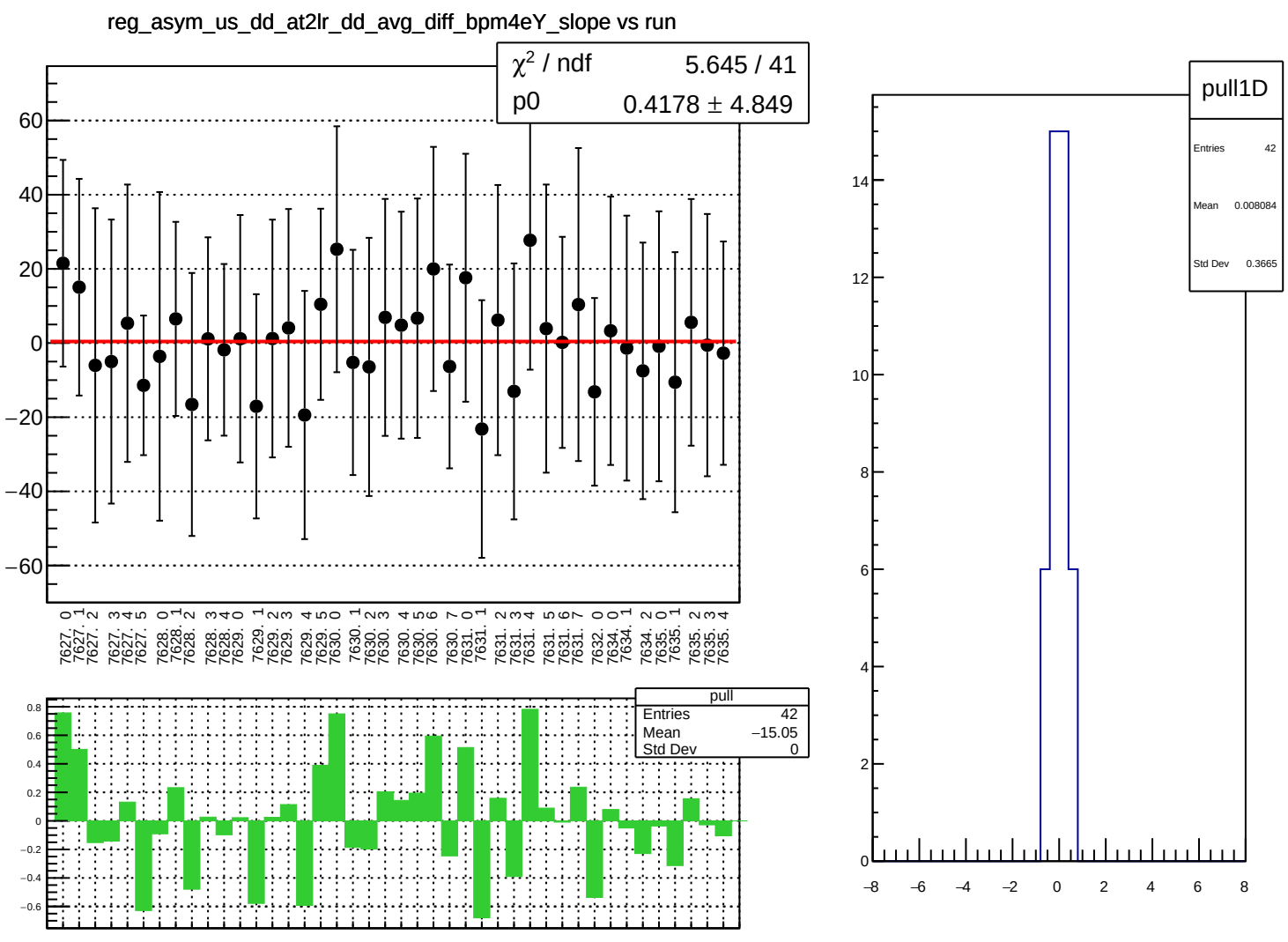

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 9.389 / 41
p0 70.77 ± 2.663
110
100
90
80
70
60
50
40
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 91.61
Std Dev 0
1
0.5
0
−0.5
−1

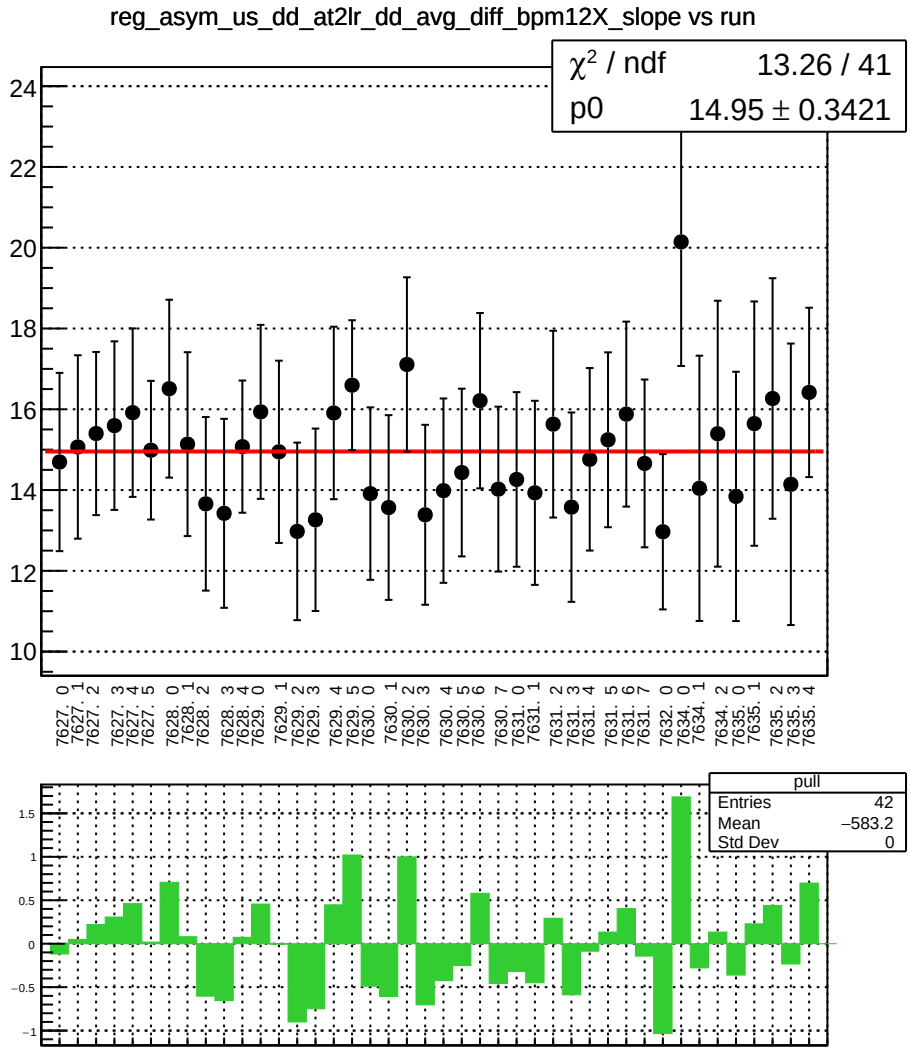

pull1D
Entries 42
Mean −0.003027
Std Dev 0.4728
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

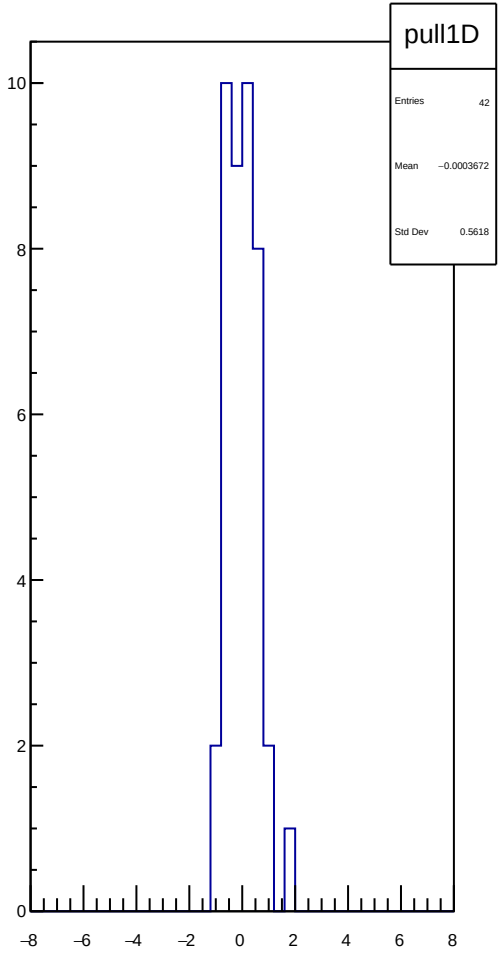

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.63 / 41
p0 −4.372 ± 3.311
pull
Entries 42
Mean −19.42
Std Dev 0
pull1D
Entries 42
Mean −0.008494
Std Dev 0.366

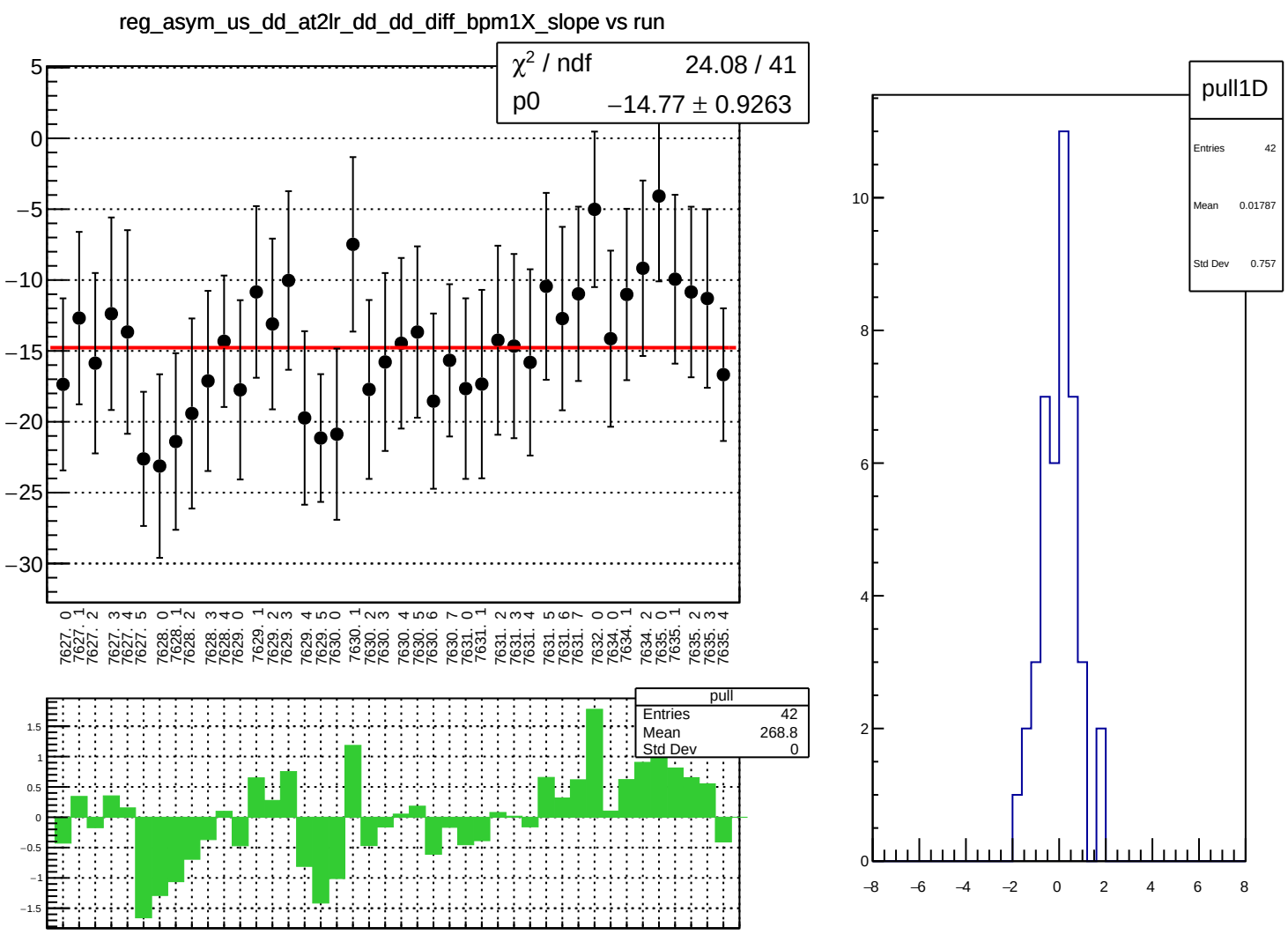

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.409 / 41
p0 −214.2 ± 2.135
−190
−200
−210
−220
−230
−240
−250
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 57.99
Std Dev 86.5
1
0.5
0
−0.5
−1

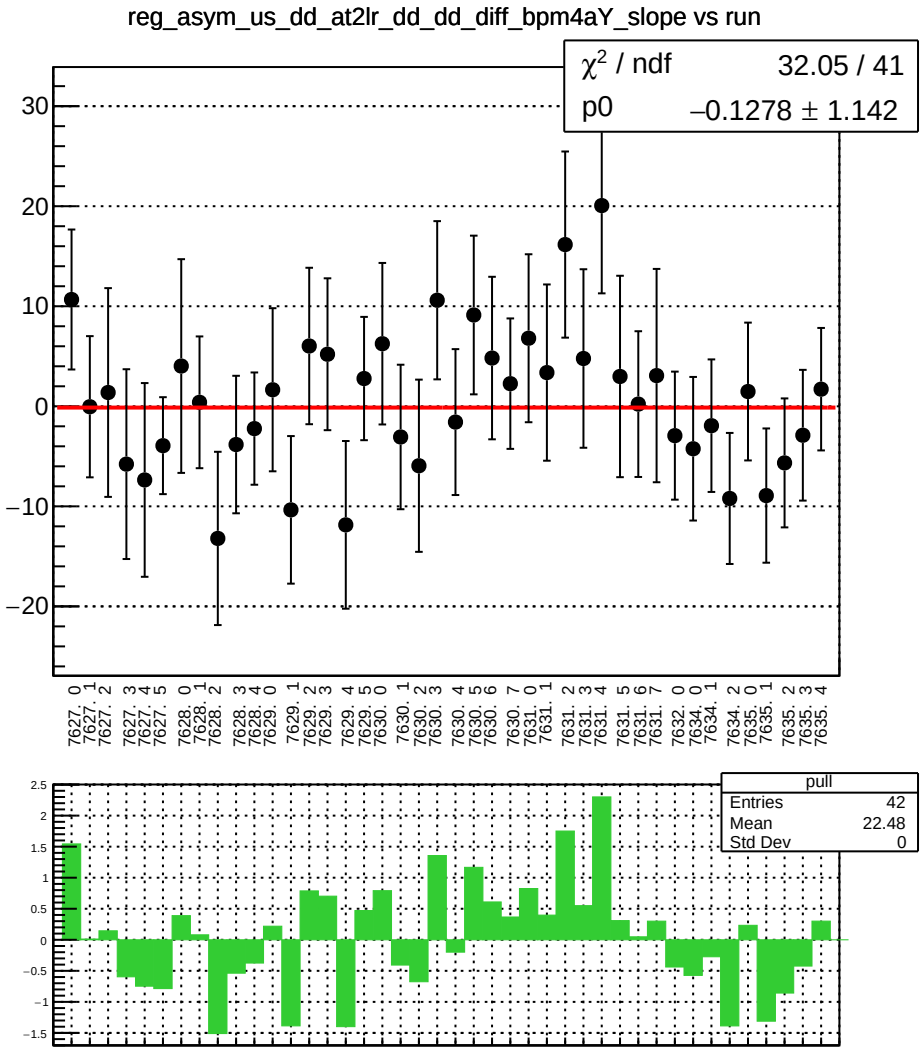

pull1D
Entries 42
Mean −0.0007468
Std Dev 0.4733
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

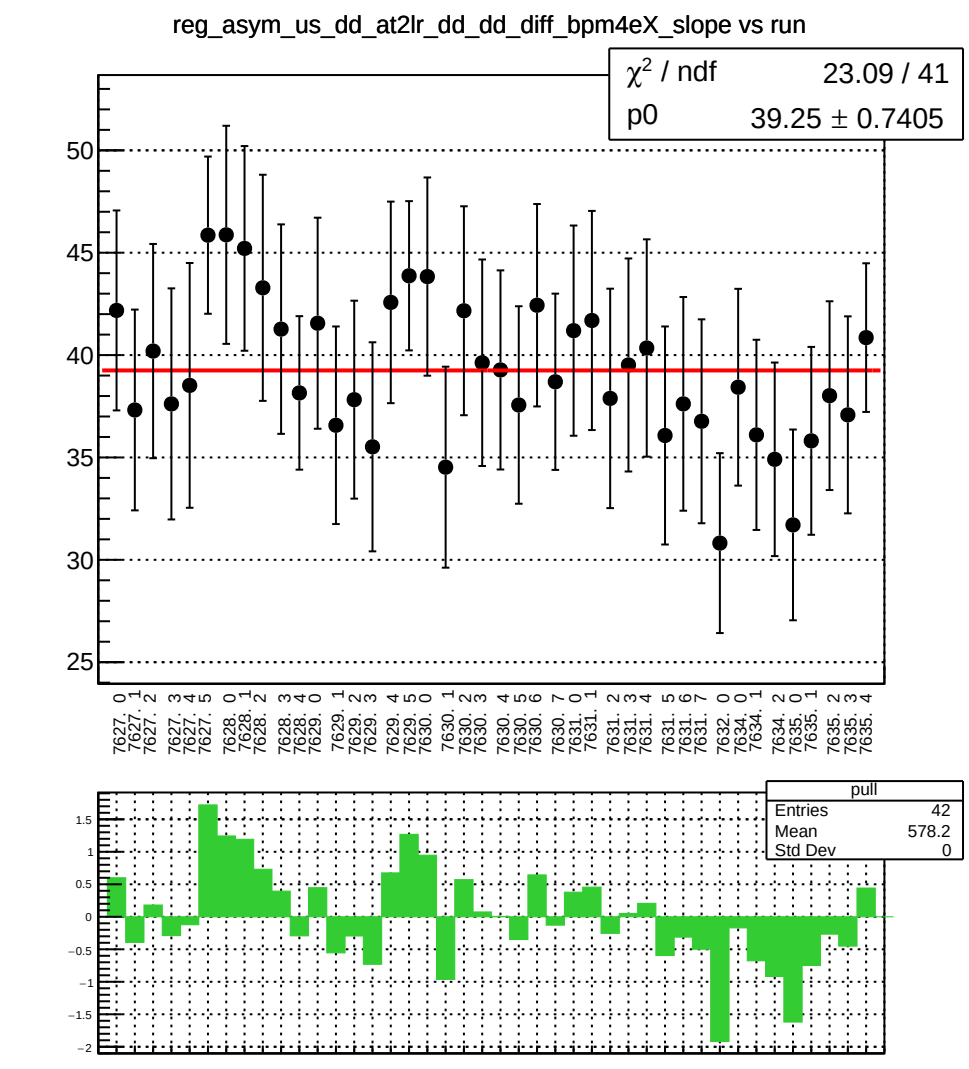

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.645 / 41
p0 0.4178 ± 4.849
pull
Entries 42
Mean −15.05
Std Dev 0
pull1D
Entries 42
Mean 0.008084
Std Dev 0.3665

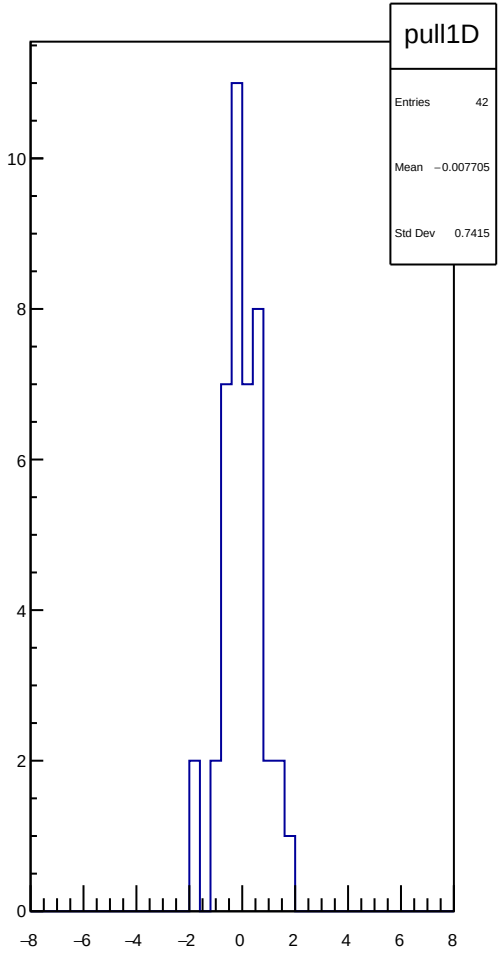

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.26 / 41
p0 14.95 ± 0.3421
pull
Entries 42
Mean −583.2
Std Dev 0

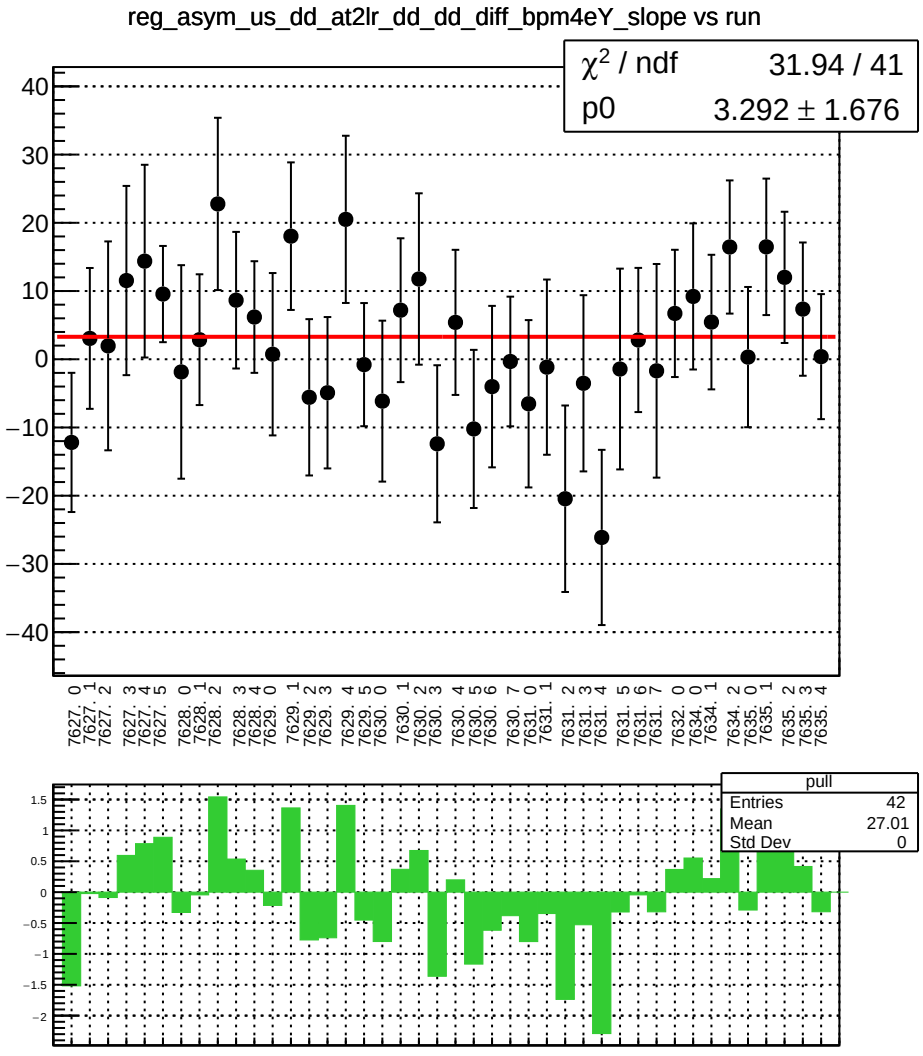

pull1D
Entries 42
Mean −0.0003672
Std Dev 0.5618

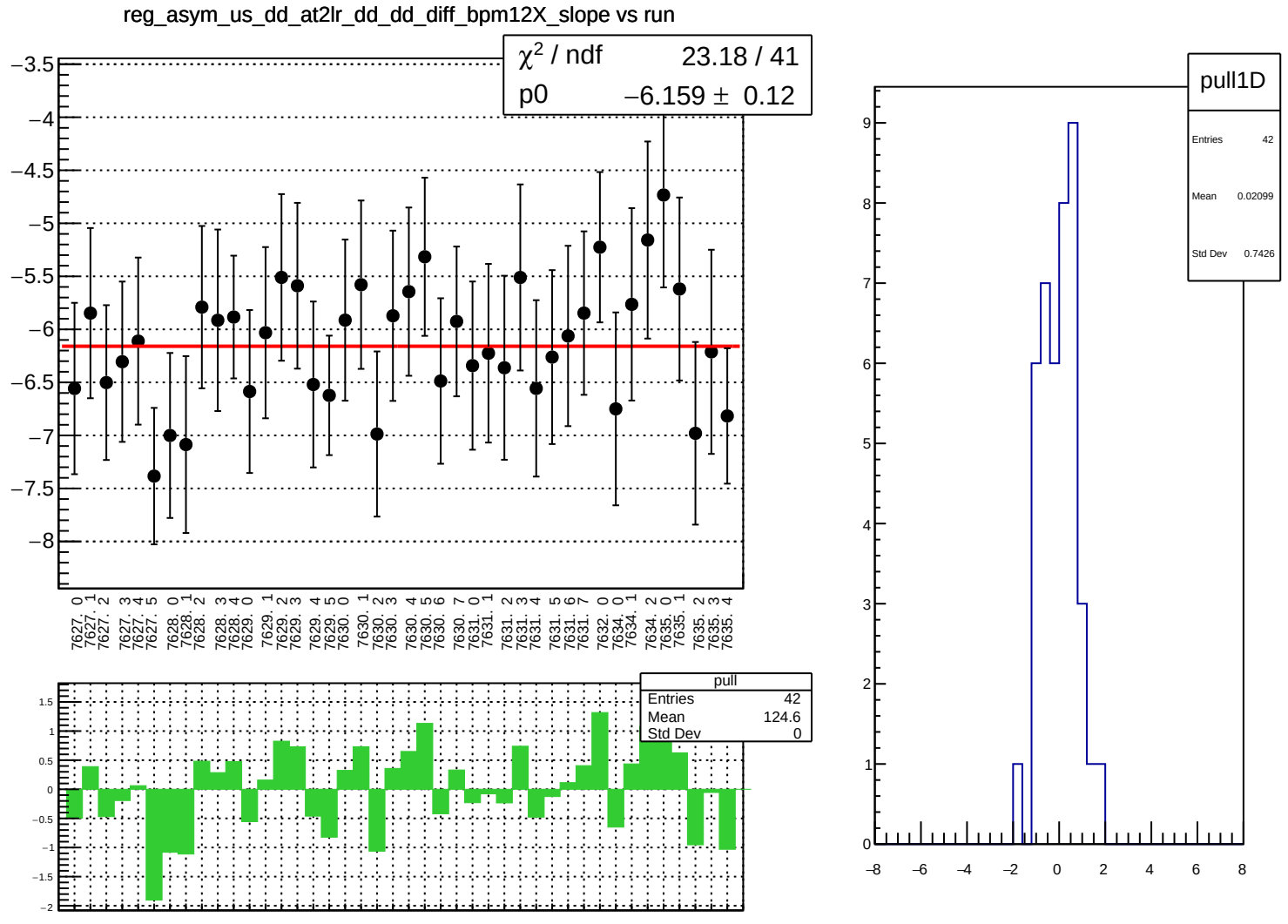

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 24.08 / 41
p0 −14.77 ± 0.9263
pull
Entries 42
Mean 268.8
Std Dev 0
pull1D
Entries 42
Mean 0.01787
Std Dev 0.757

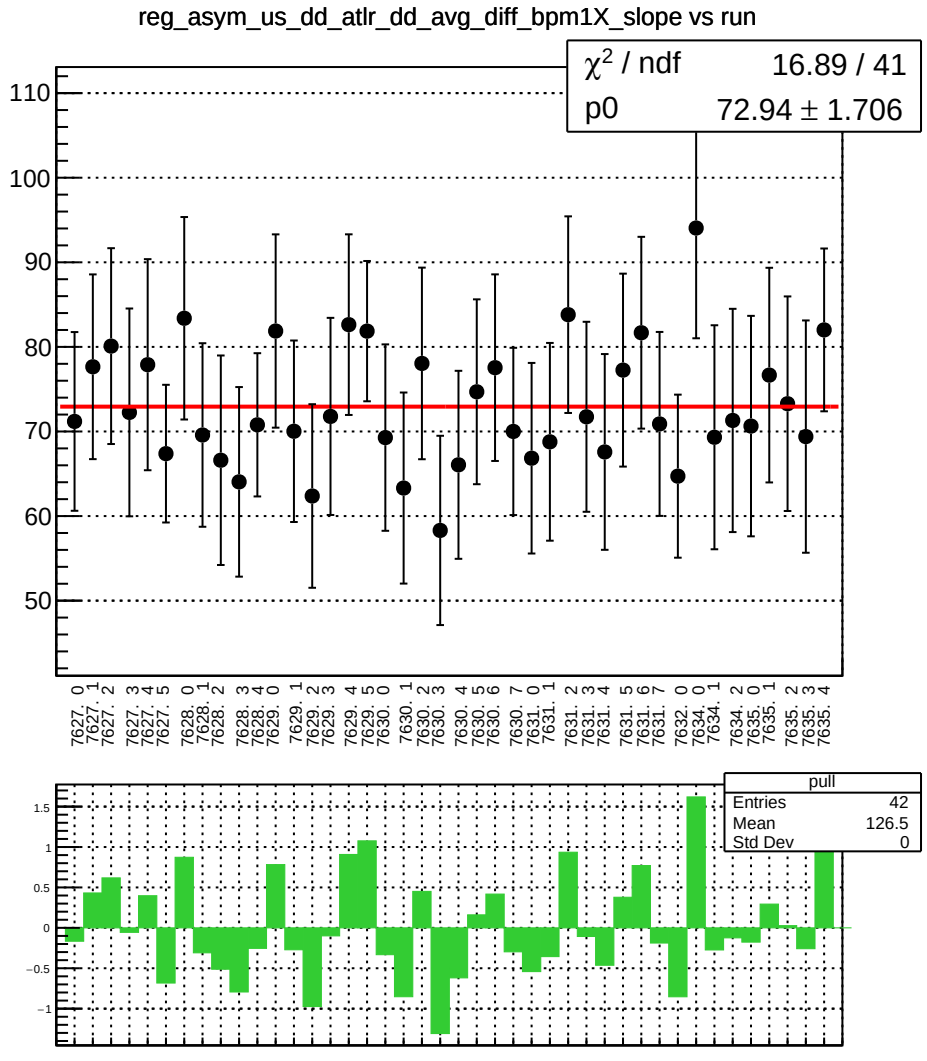

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.05 / 41
p0 −0.1278 ± 1.142
pull
Entries 42
Mean 22.48
Std Dev 0
pull1D
Entries 42
Mean 0.04222
Std Dev 0.8725

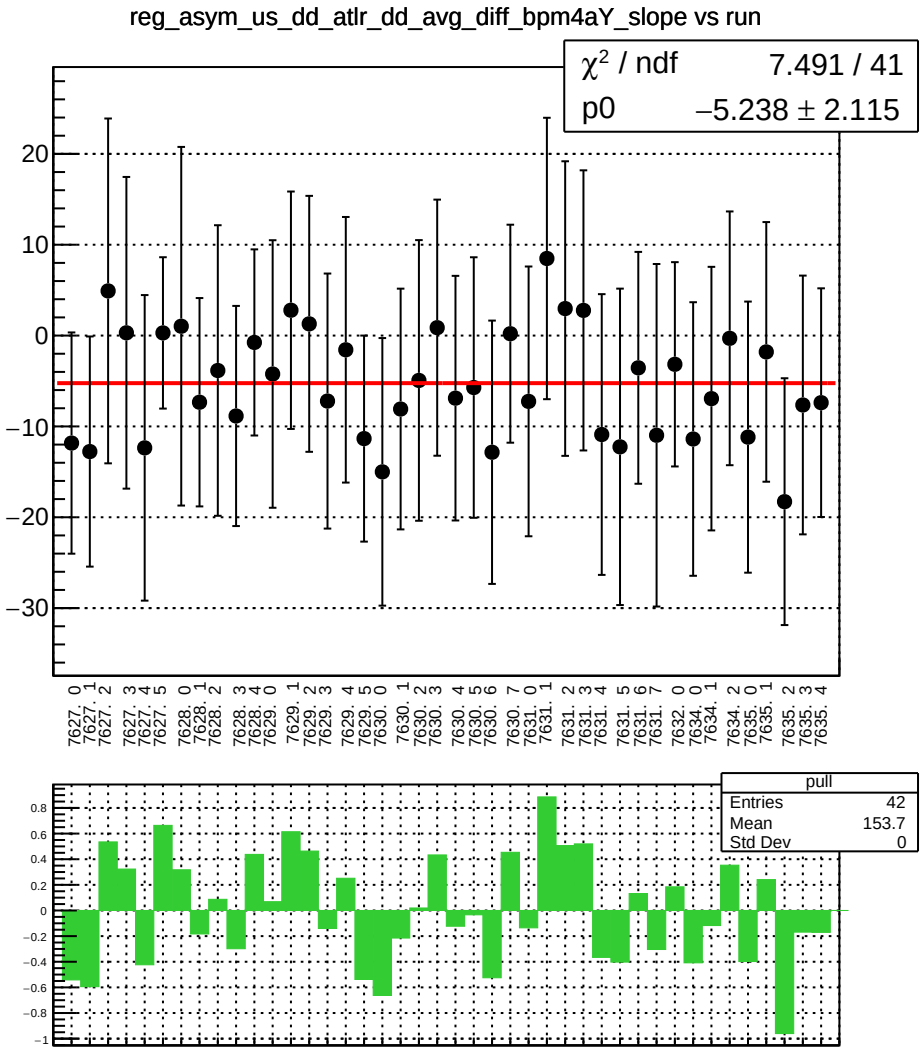

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.09 / 41
p0 39.25 ± 0.7405
pull
Entries 42
Mean 578.2
Std Dev 0

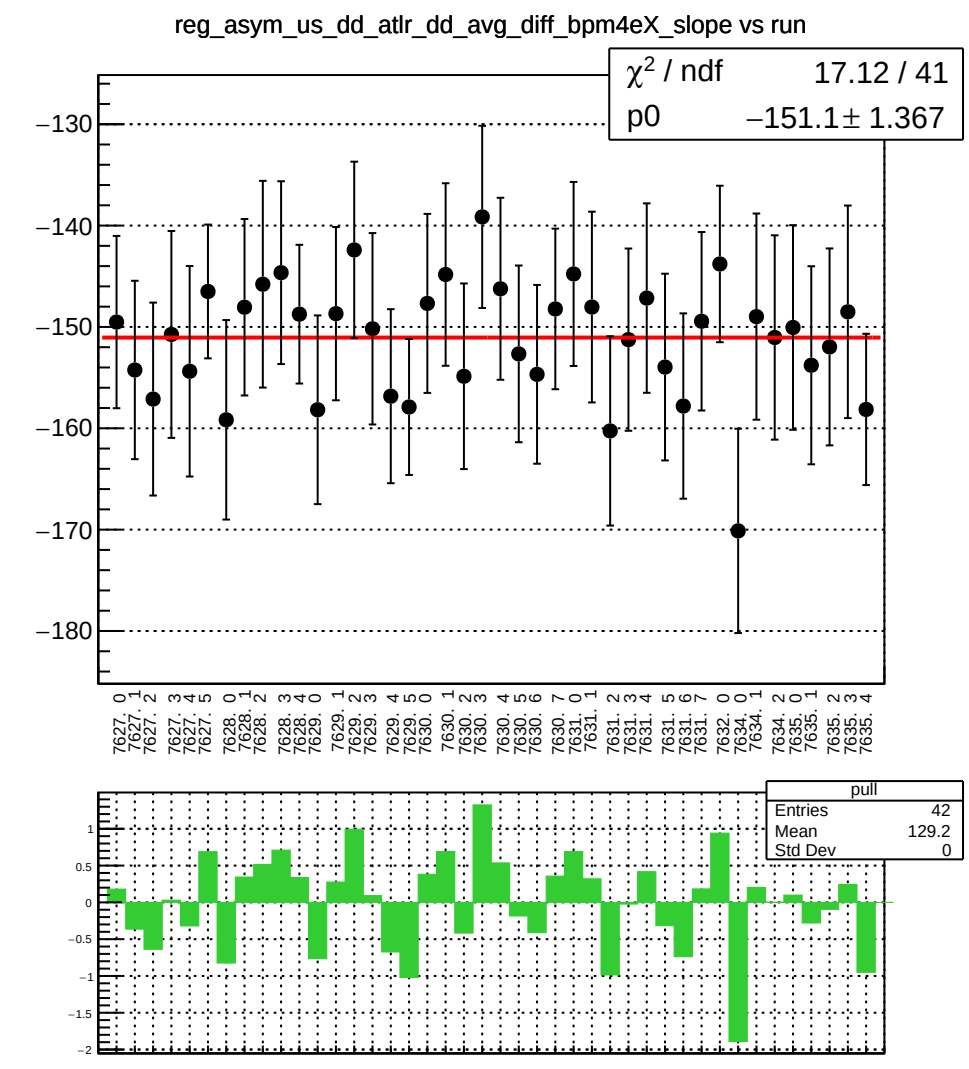

pull1D
Entries 42
Mean −0.007705
Std Dev 0.7415

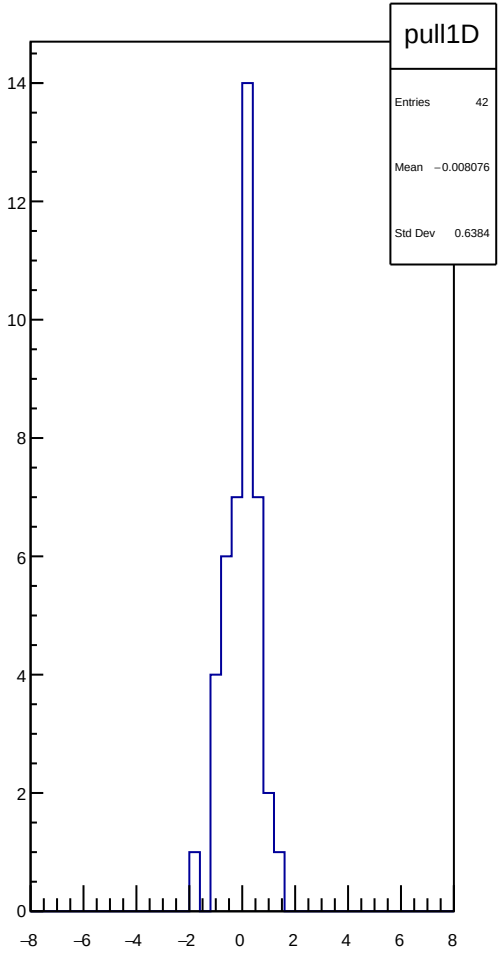

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.94 / 41
p0 3.292 ± 1.676
pull
Entries 42
Mean 27.01
Std Dev 0
pull1D
Entries 42
Mean −0.03956
Std Dev 0.8711

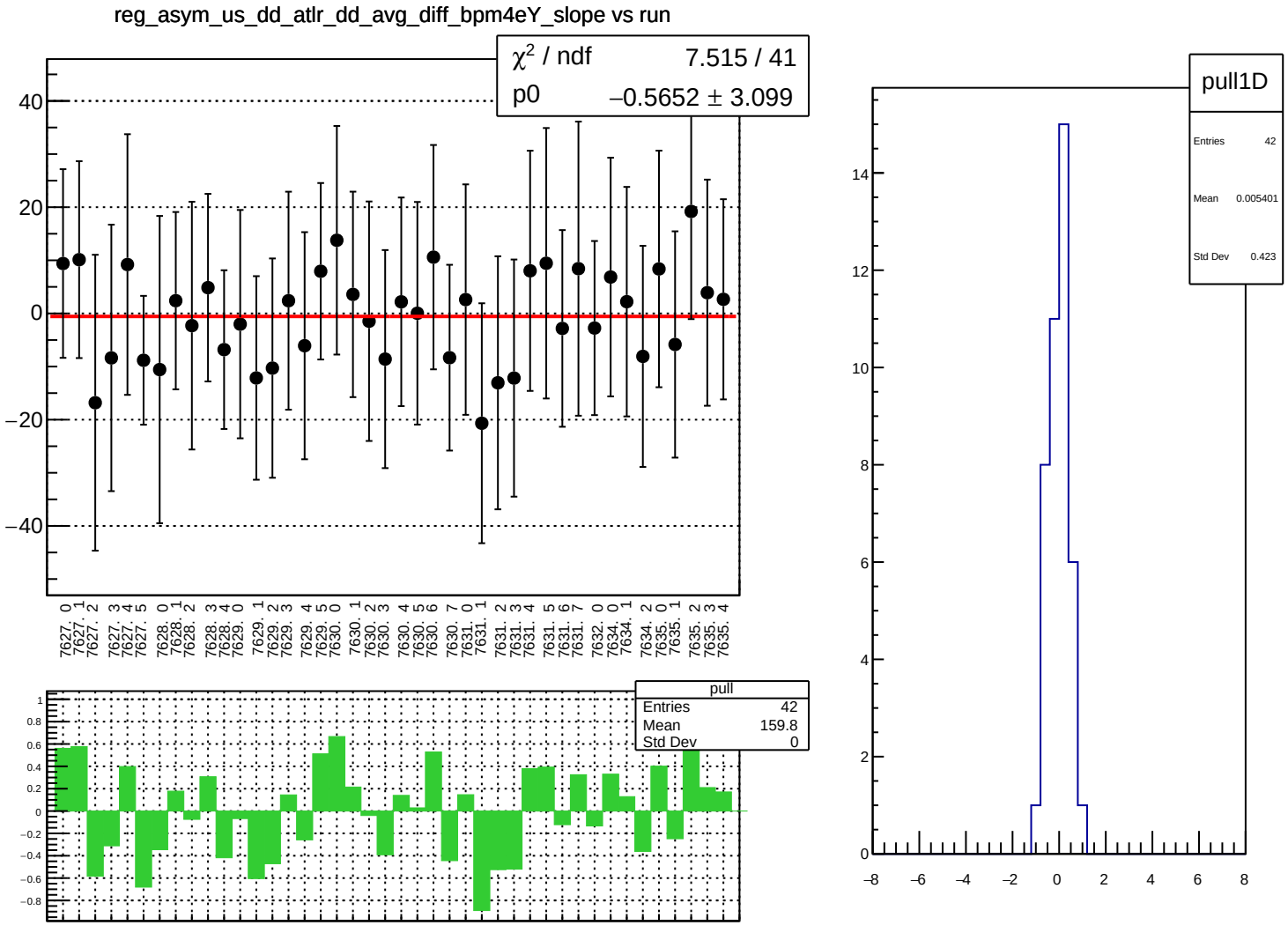

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 23.18 / 41
p0 −6.159 ± 0.12
−3.5
−4
−4.5
−5
−5.5
−6
−6.5
−7
−7.5
−8
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 124.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean 0.02099
Std Dev 0.7426
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

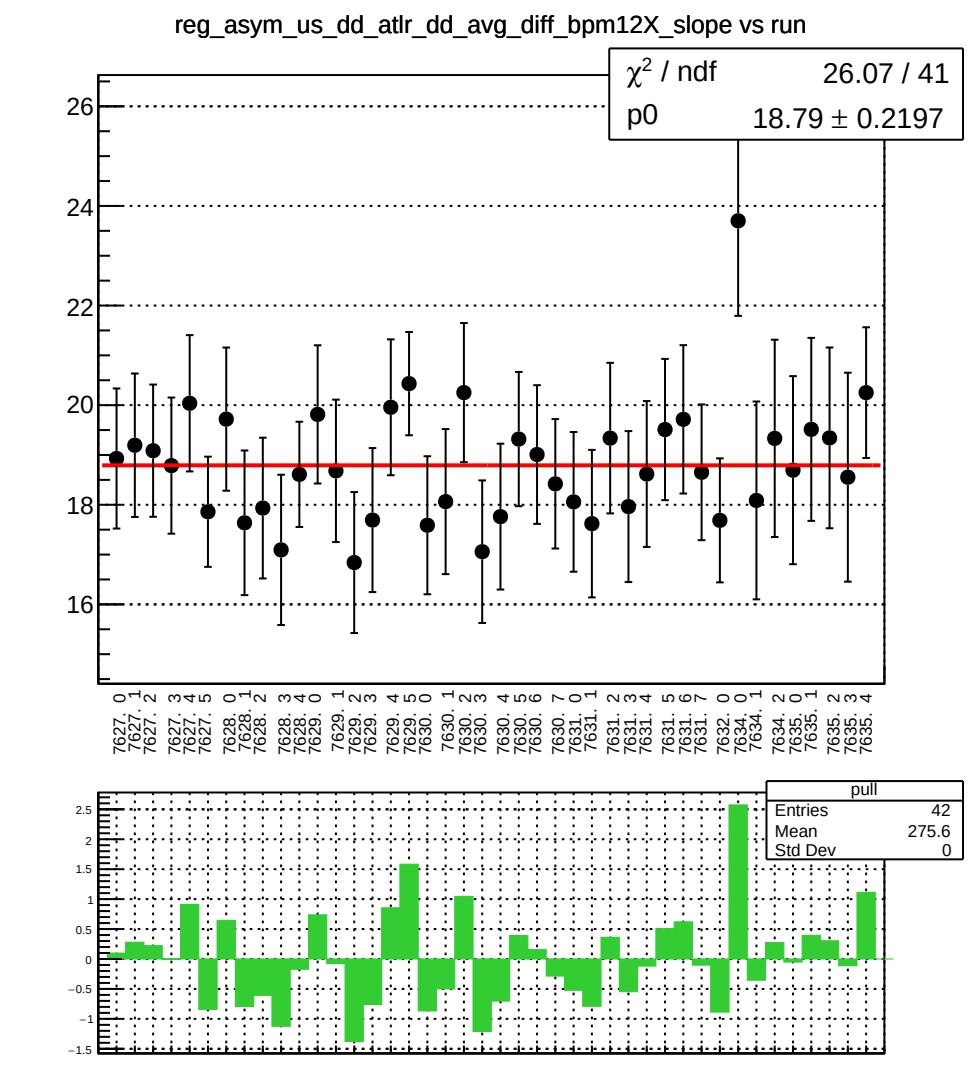

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 16.89 / 41
p0 72.94 ± 1.706
pull
Entries 42
Mean 126.5
Std Dev 0
pull1D
Entries 42
Mean 0.005252
Std Dev 0.6342

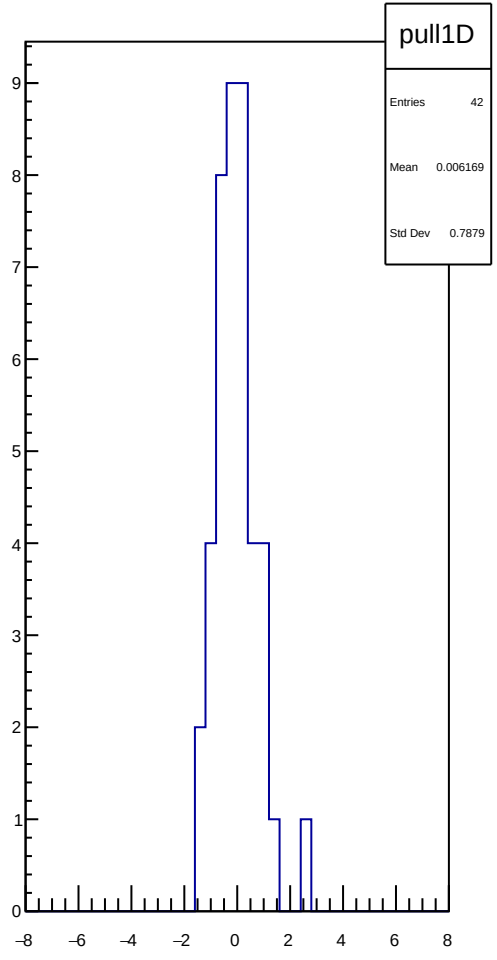

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.491 / 41
p0 −5.238 ± 2.115
pull
Entries 42
Mean 153.7
Std Dev 0
pull1D
Entries 42
Mean −0.005222
Std Dev 0.4223

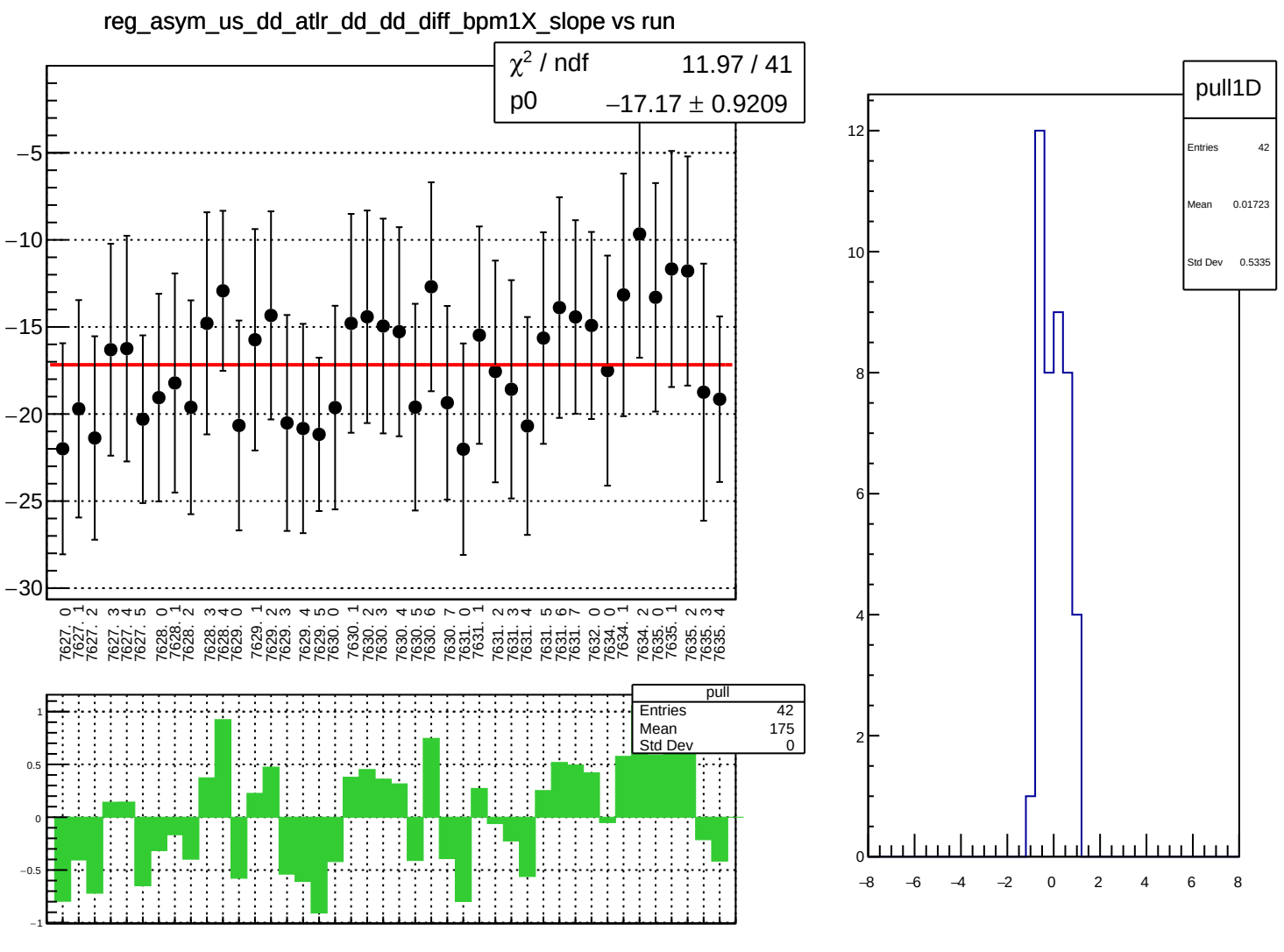

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.12 / 41
p0 −151.1± 1.367
−130
−140
−150
−160
−170
−180
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 129.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

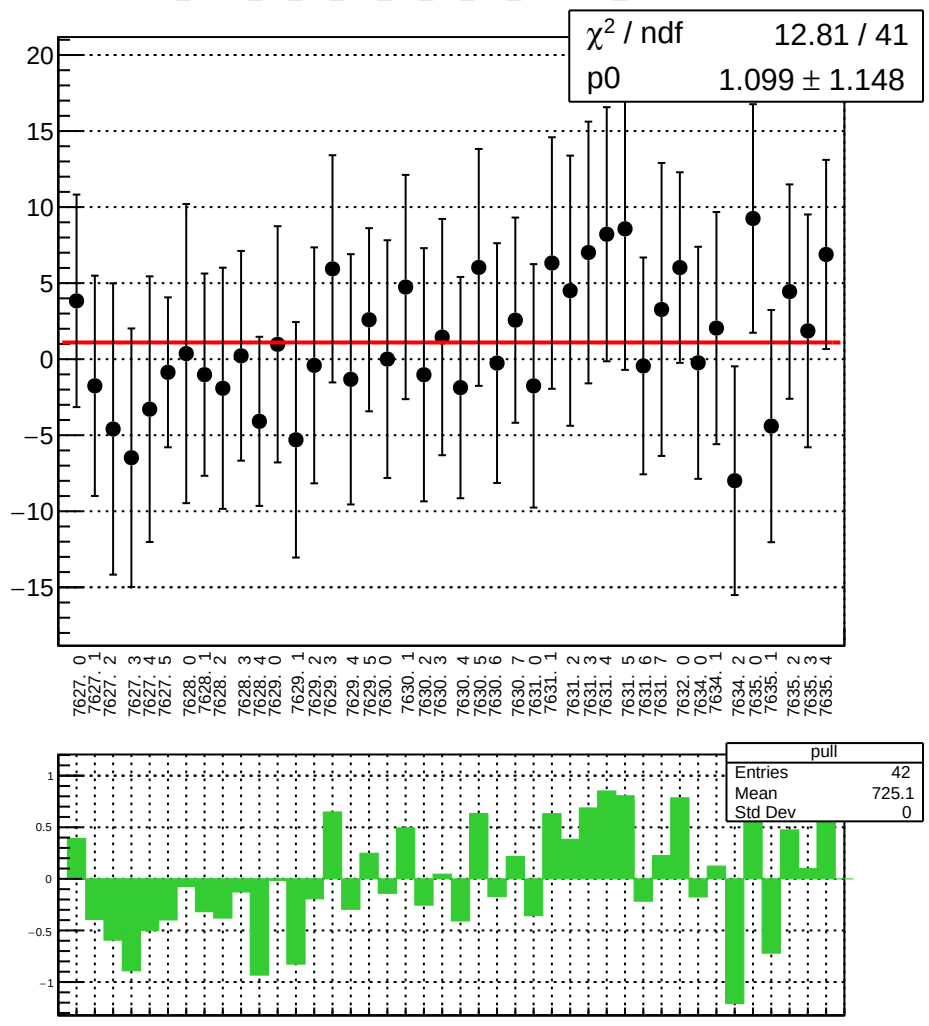

pull1D
Entries 42
Mean −0.008076
Std Dev 0.6384
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

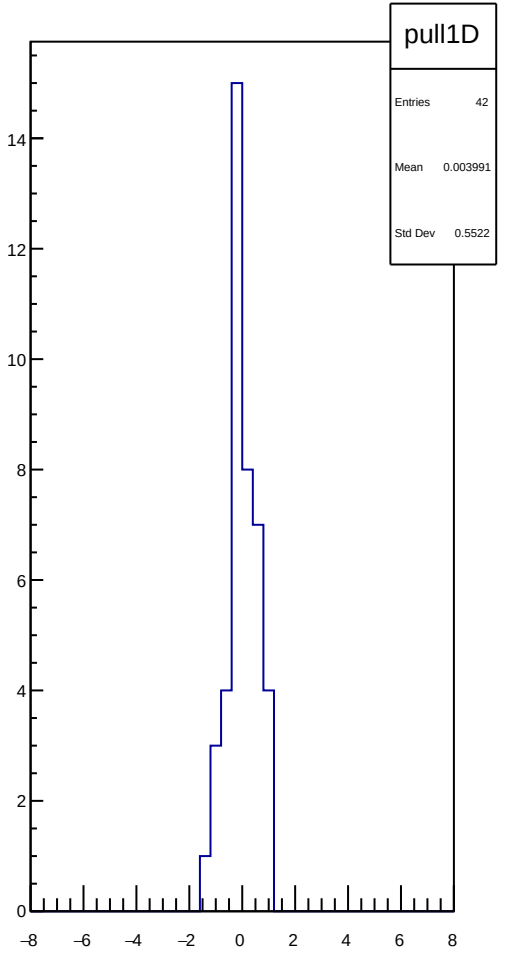

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.515 / 41
p0 −0.5652 ± 3.099
pull
Entries 42
Mean 159.8
Std Dev 0
pull1D
Entries 42
Mean 0.005401
Std Dev 0.423

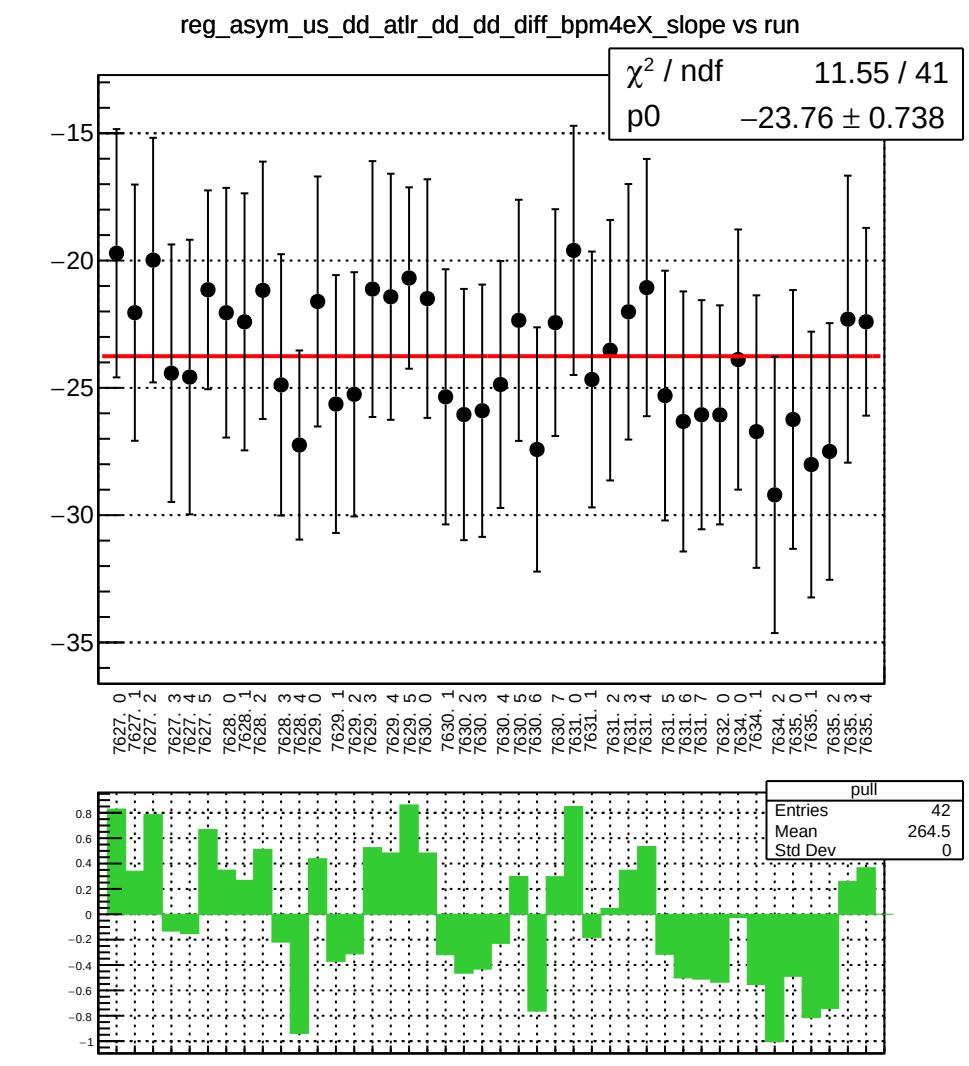

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 26.07 / 41
p0 18.79 ± 0.2197
pull
Entries 42
Mean 275.6
Std Dev 0

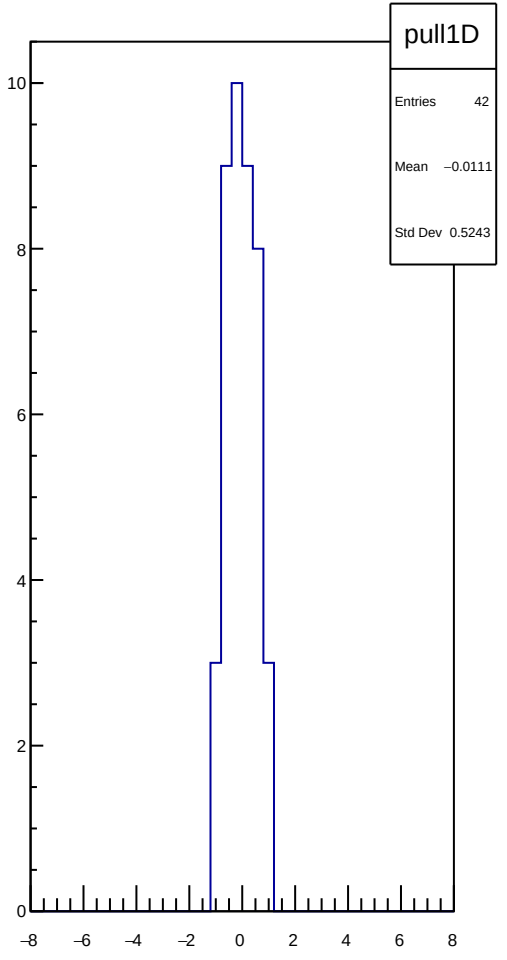

pull1D
Entries 42
Mean 0.006169
Std Dev 0.7879

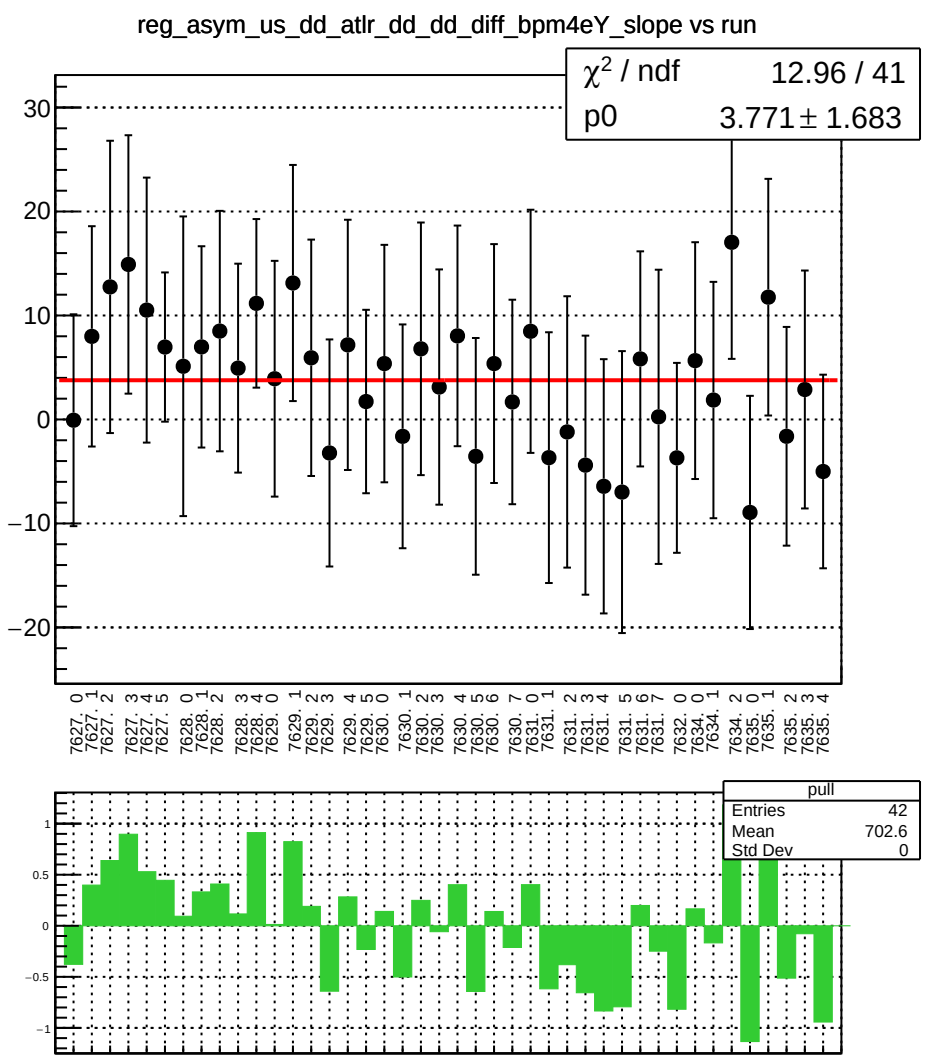

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 11.97 / 41
p0 −17.17 ± 0.9209
pull
Entries 42
Mean 175
Std Dev 0
pull1D
Entries 42
Mean 0.01723
Std Dev 0.5335

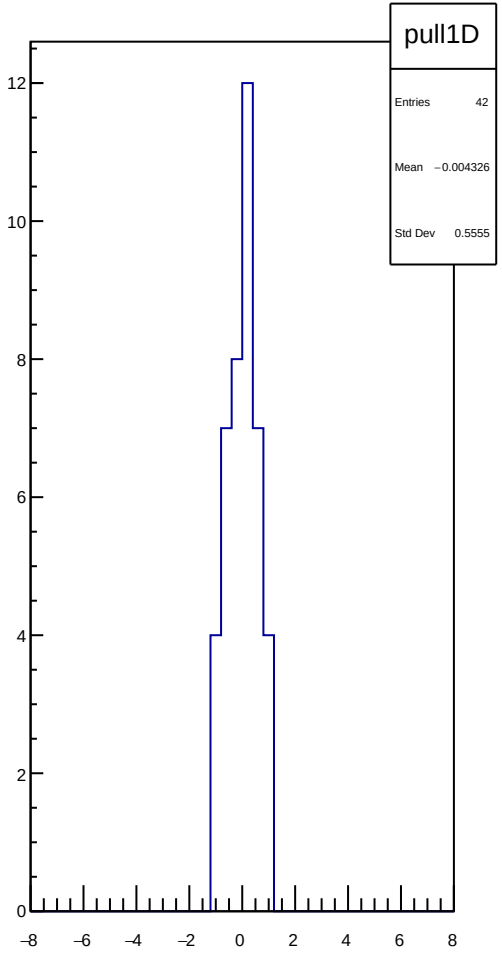

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.81 / 41
p0 1.099 ± 1.148
pull
Entries 42
Mean 725.1
Std Dev 0

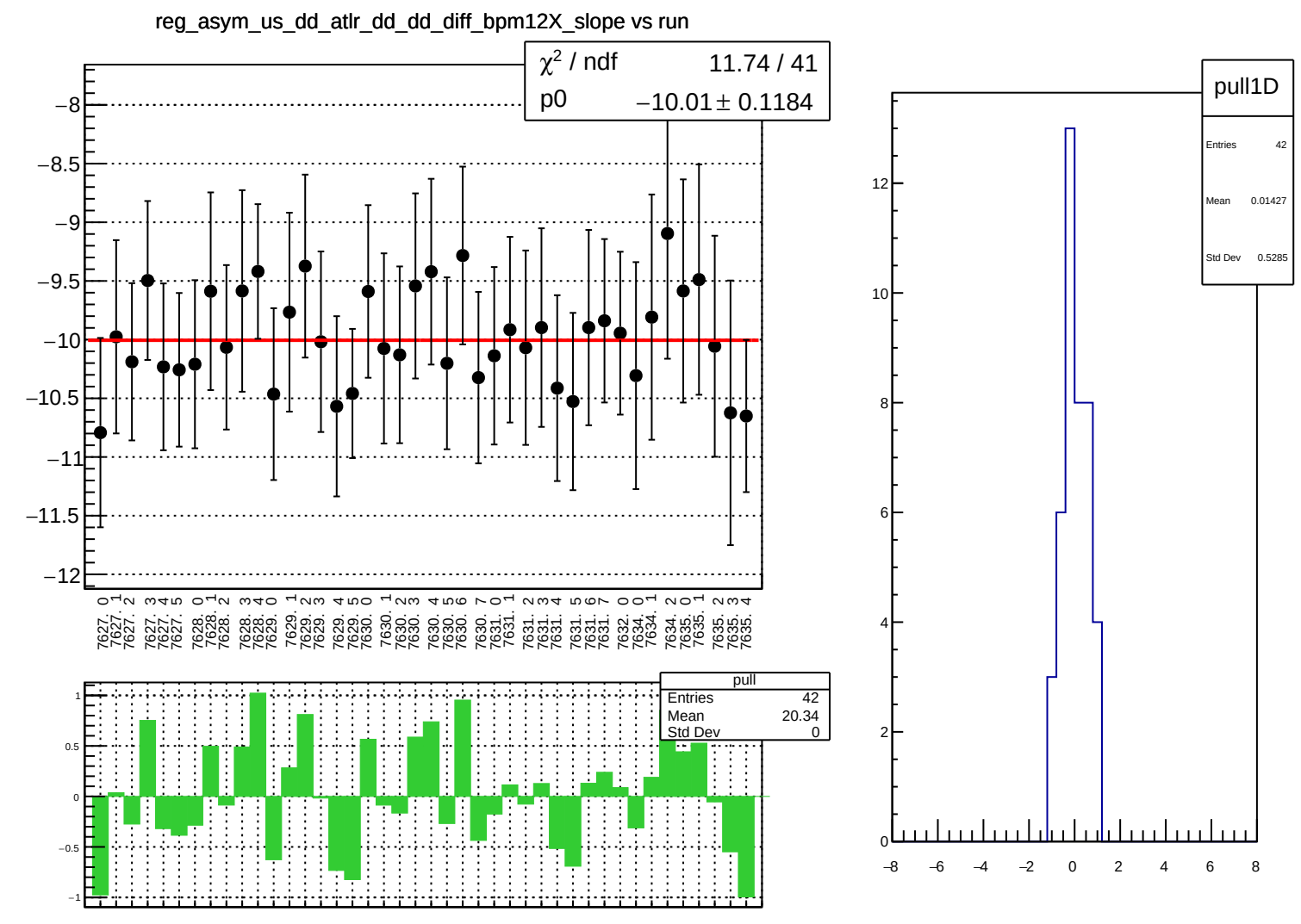

pull1D
Entries 42
Mean 0.003991
Std Dev 0.5522

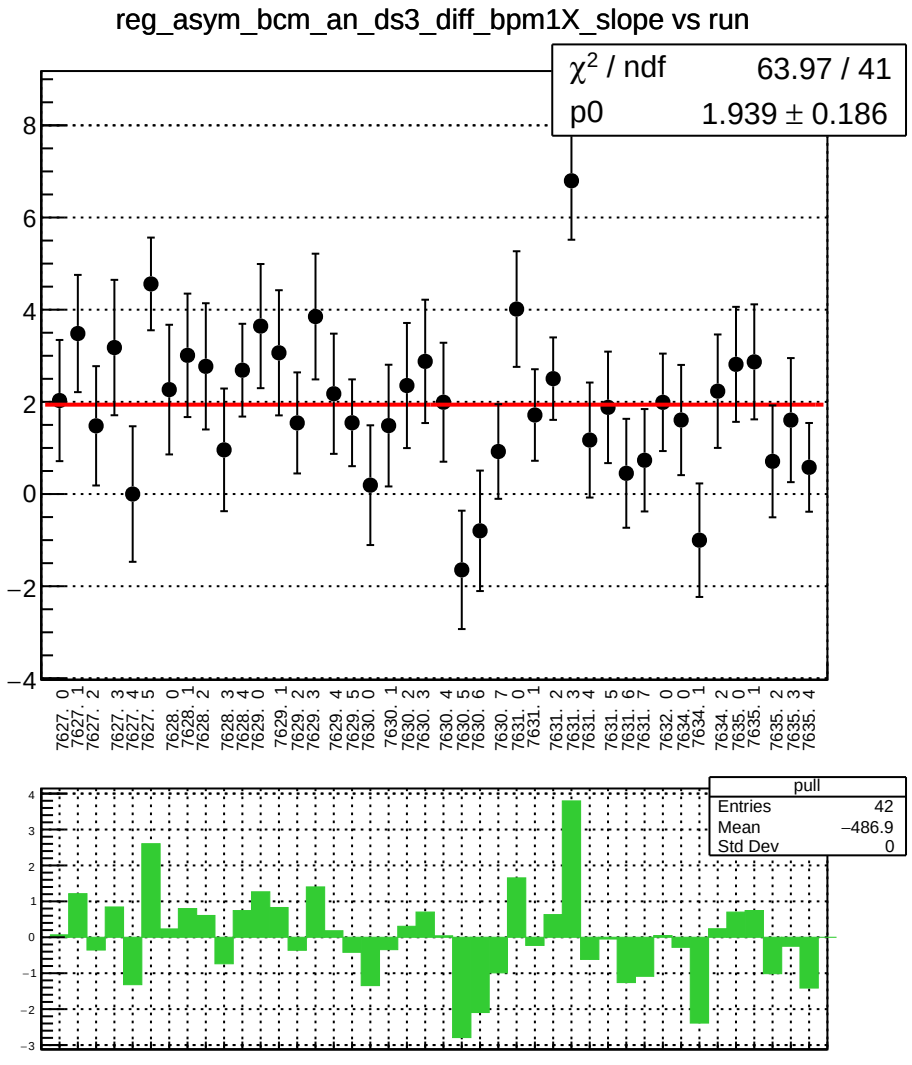

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.55 / 41
p0 −23.76 ± 0.738
−15
−20
−25
−30
−35
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 264.5
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

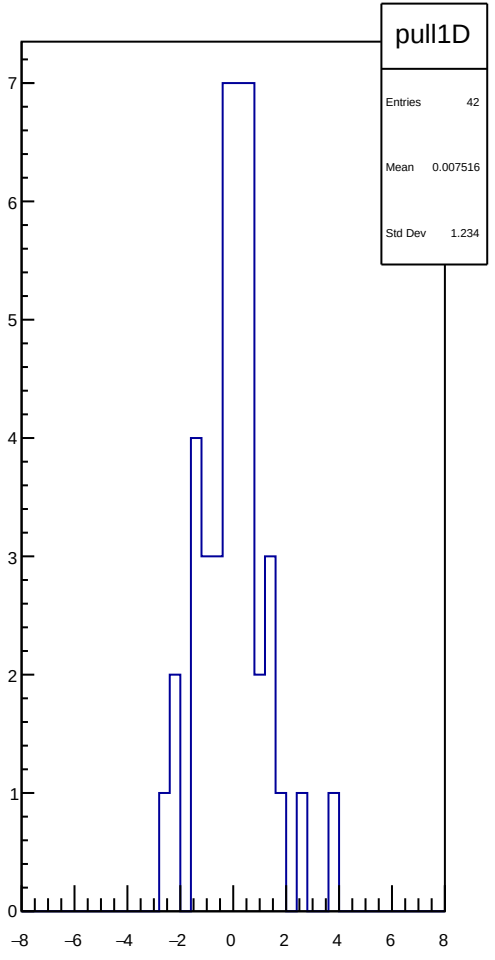

pull1D
Entries 42
Mean −0.0111
Std Dev 0.5243
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

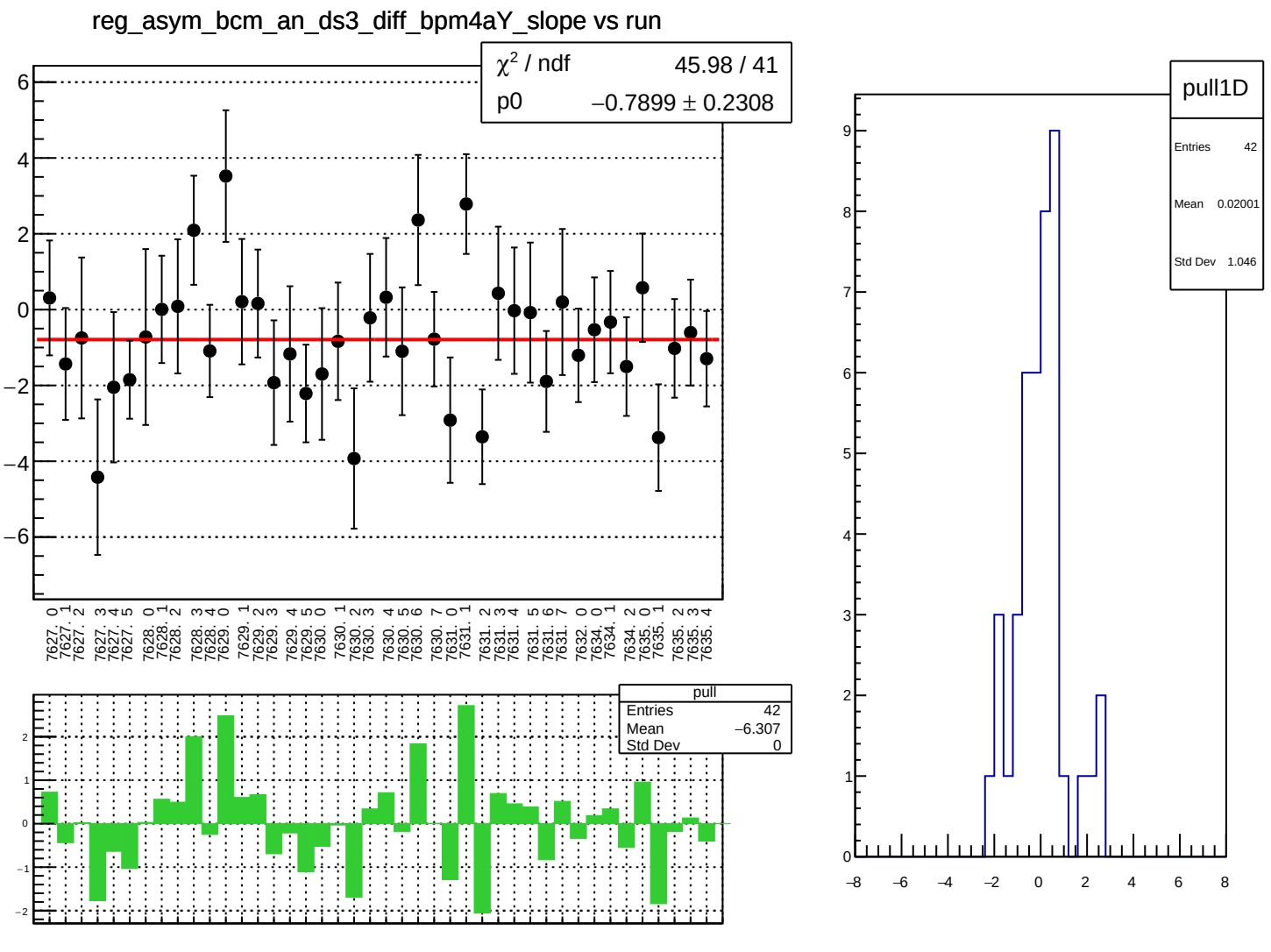

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.96 / 41
p0 3.771 ± 1.683
pull
Entries 42
Mean 702.6
Std Dev 0

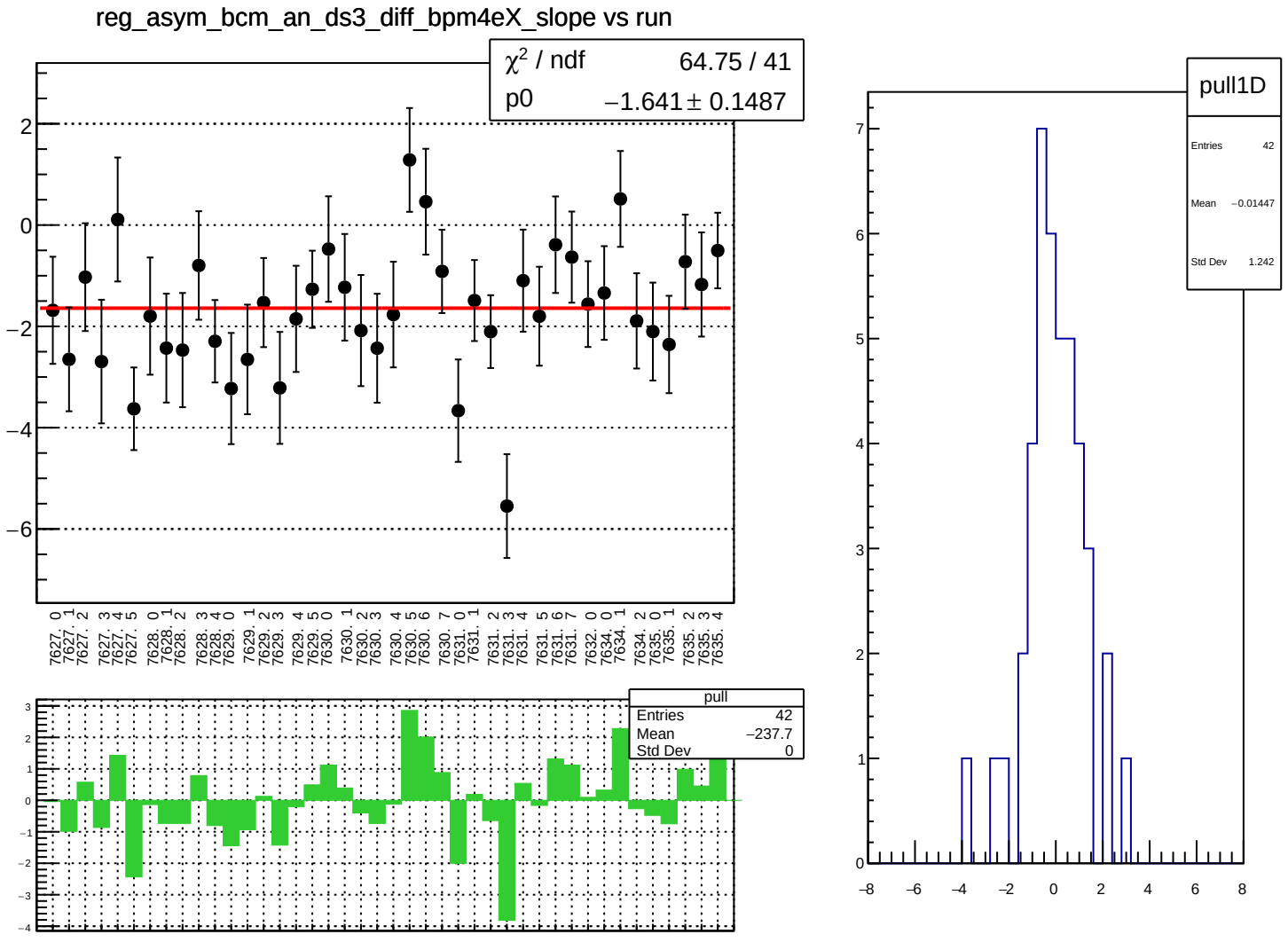

pull1D
Entries 42
Mean −0.004326
Std Dev 0.5555

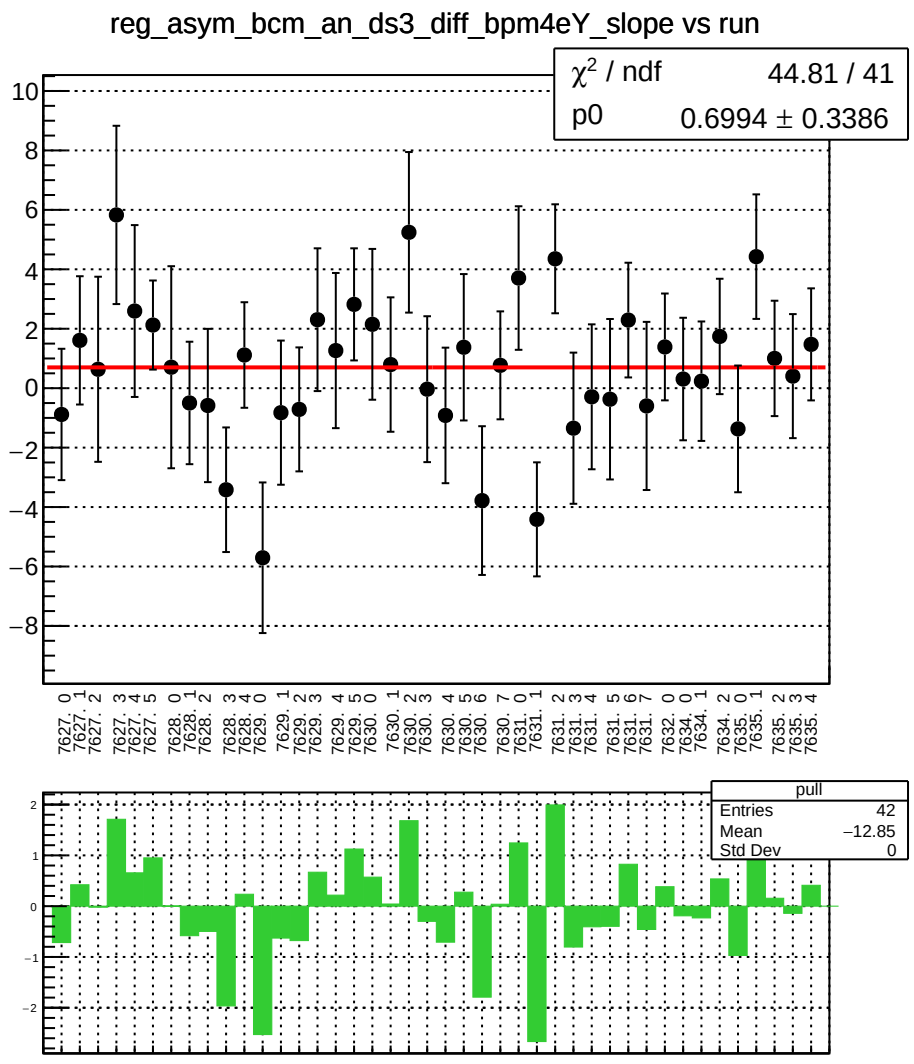

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 11.74 / 41
p0 −10.01 ± 0.1184
pull
Entries 42
Mean 20.34
Std Dev 0
pull1D
Entries 42
Mean 0.01427
Std Dev 0.5285

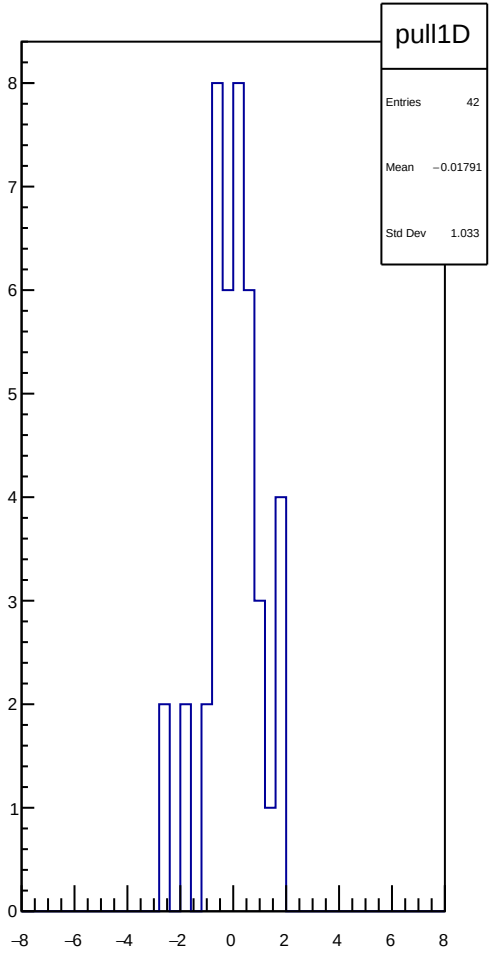

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 63.97 / 41
p0 1.939 ± 0.186
pull
Entries 42
Mean −486.9
Std Dev 0

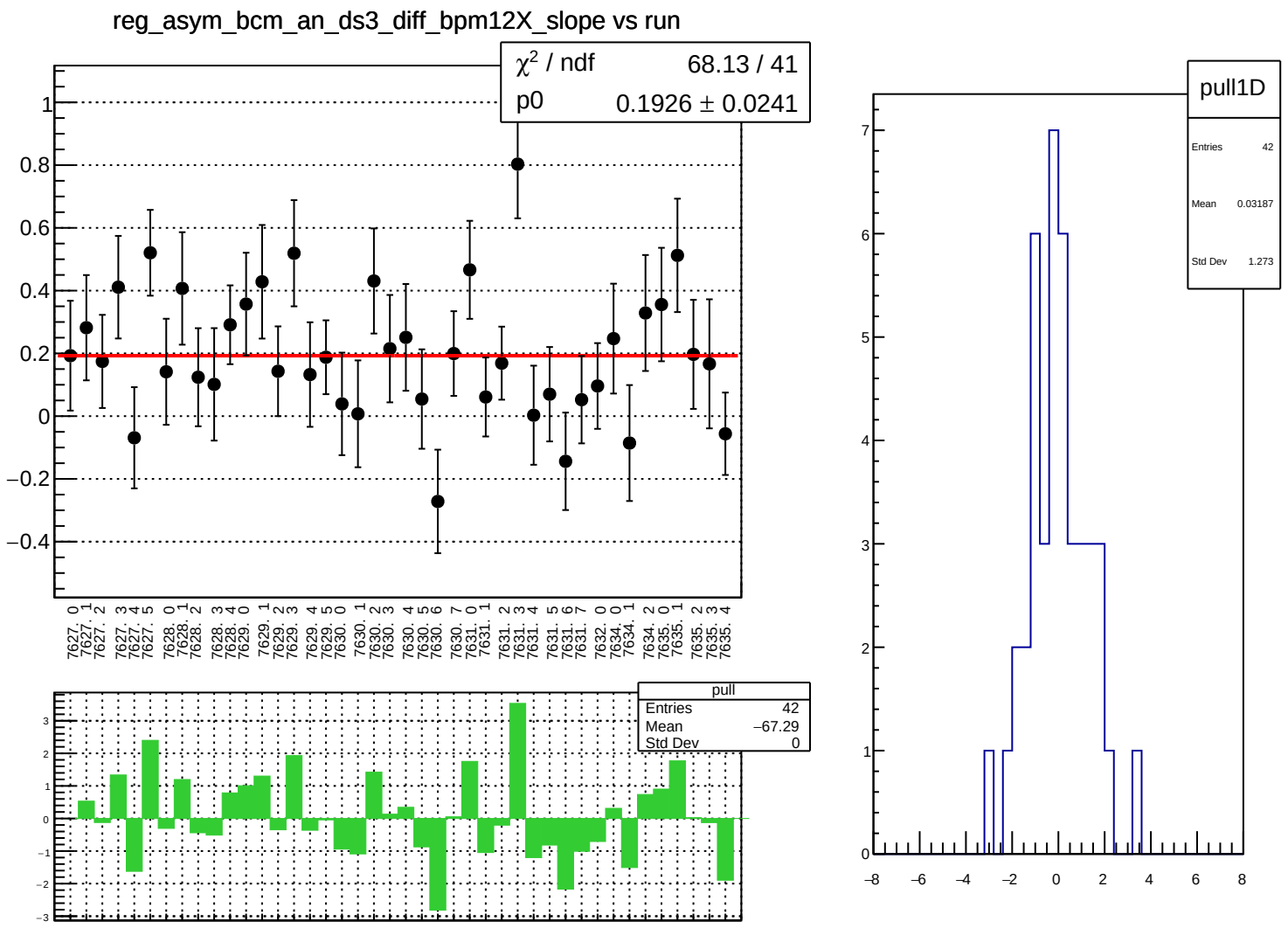

pull1D
Entries 42
Mean 0.007516
Std Dev 1.234

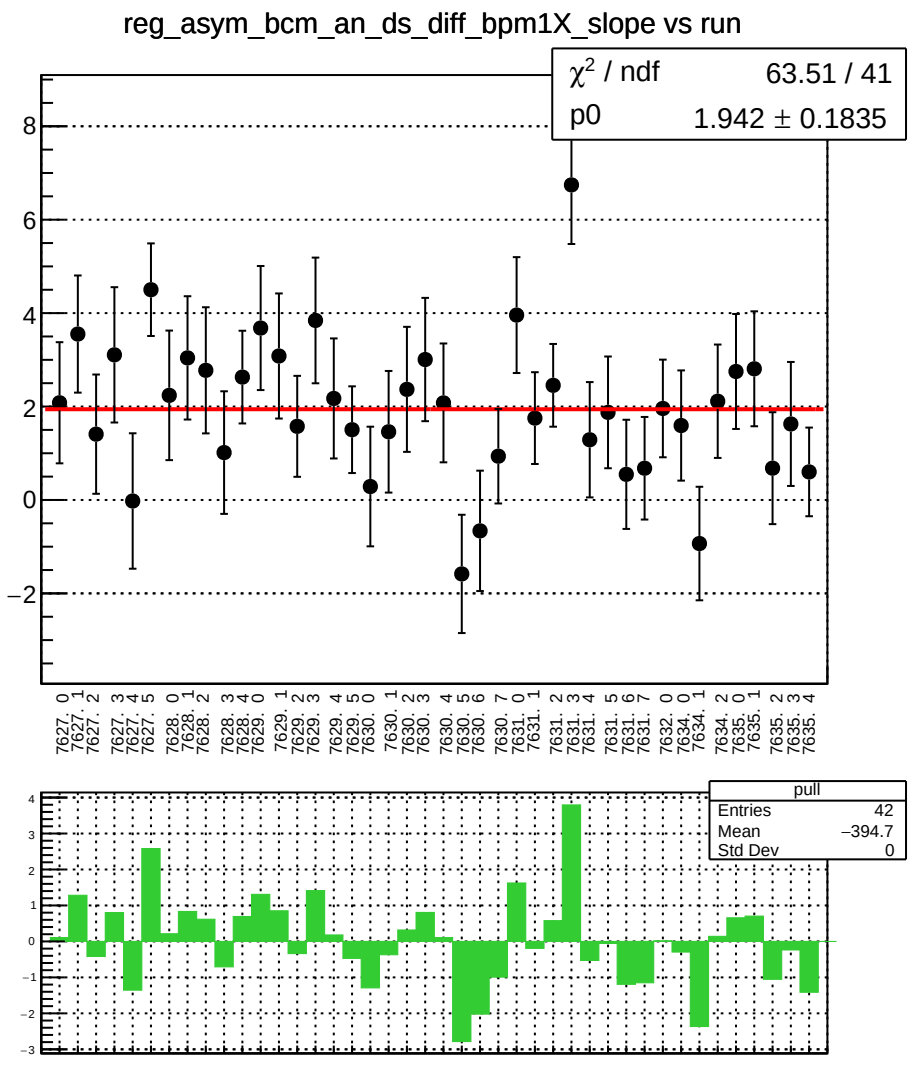

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 45.98 / 41
p0 −0.7899 ± 0.2308
pull
Entries 42
Mean −6.307
Std Dev 0
pull1D
Entries 42
Mean 0.02001
Std Dev 1.046

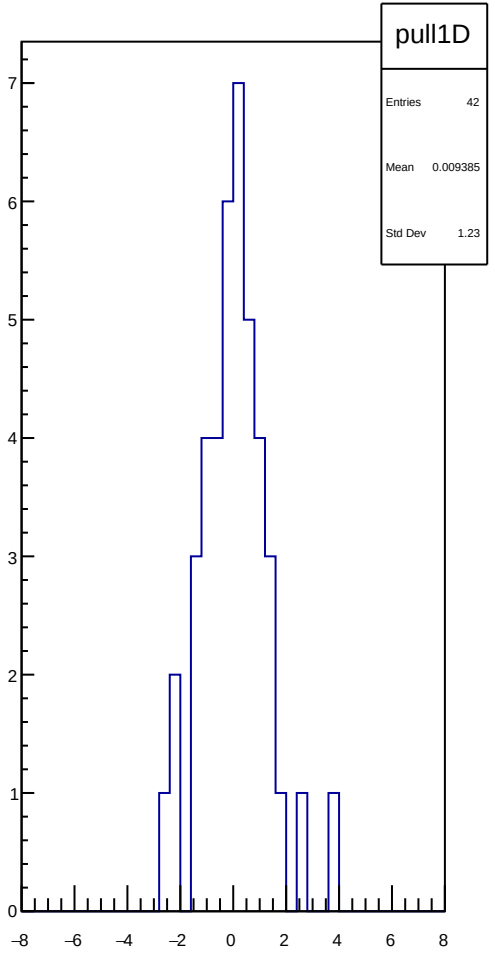

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 64.75 / 41
p0 −1.641 ± 0.1487
pull
Entries 42
Mean −237.7
Std Dev 0
pull1D
Entries 42
Mean −0.01447
Std Dev 1.242

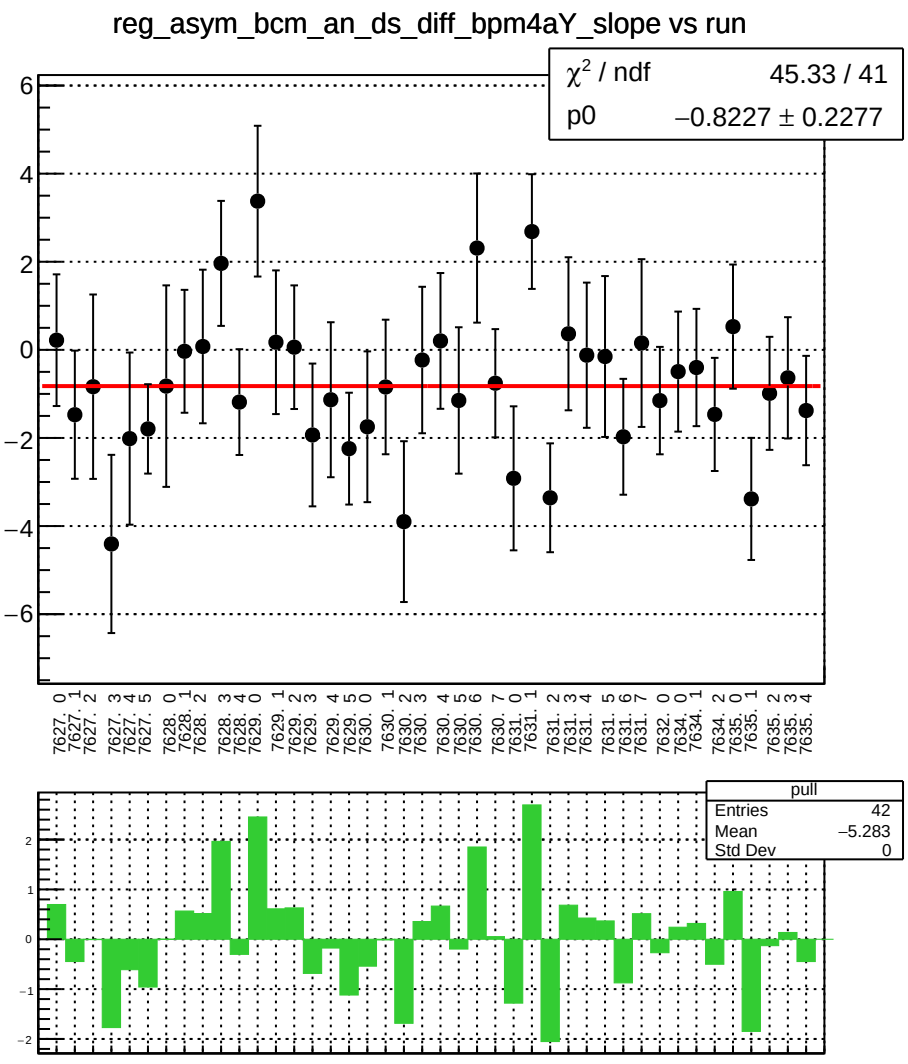

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 44.81 / 41
p0 0.6994 ± 0.3386
pull
Entries 42
Mean −12.85
Std Dev 0

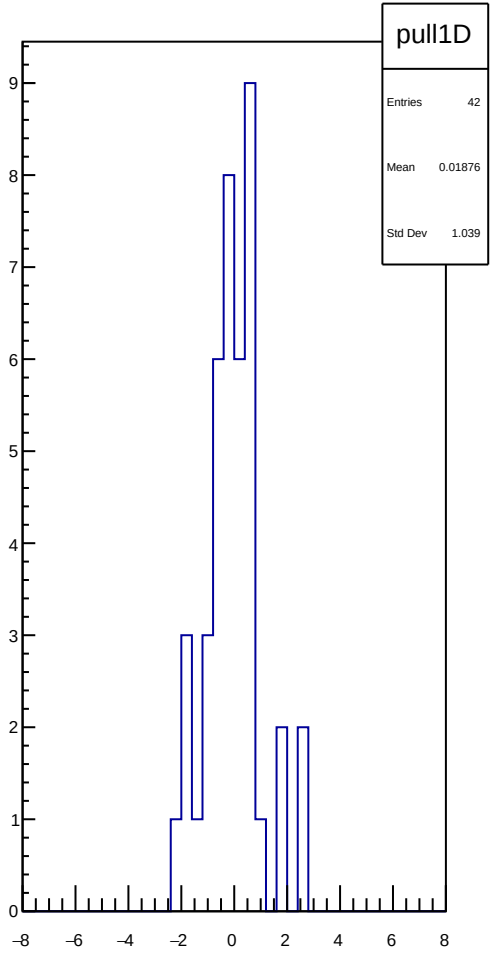

pull1D
Entries 42
Mean −0.01791
Std Dev 1.033

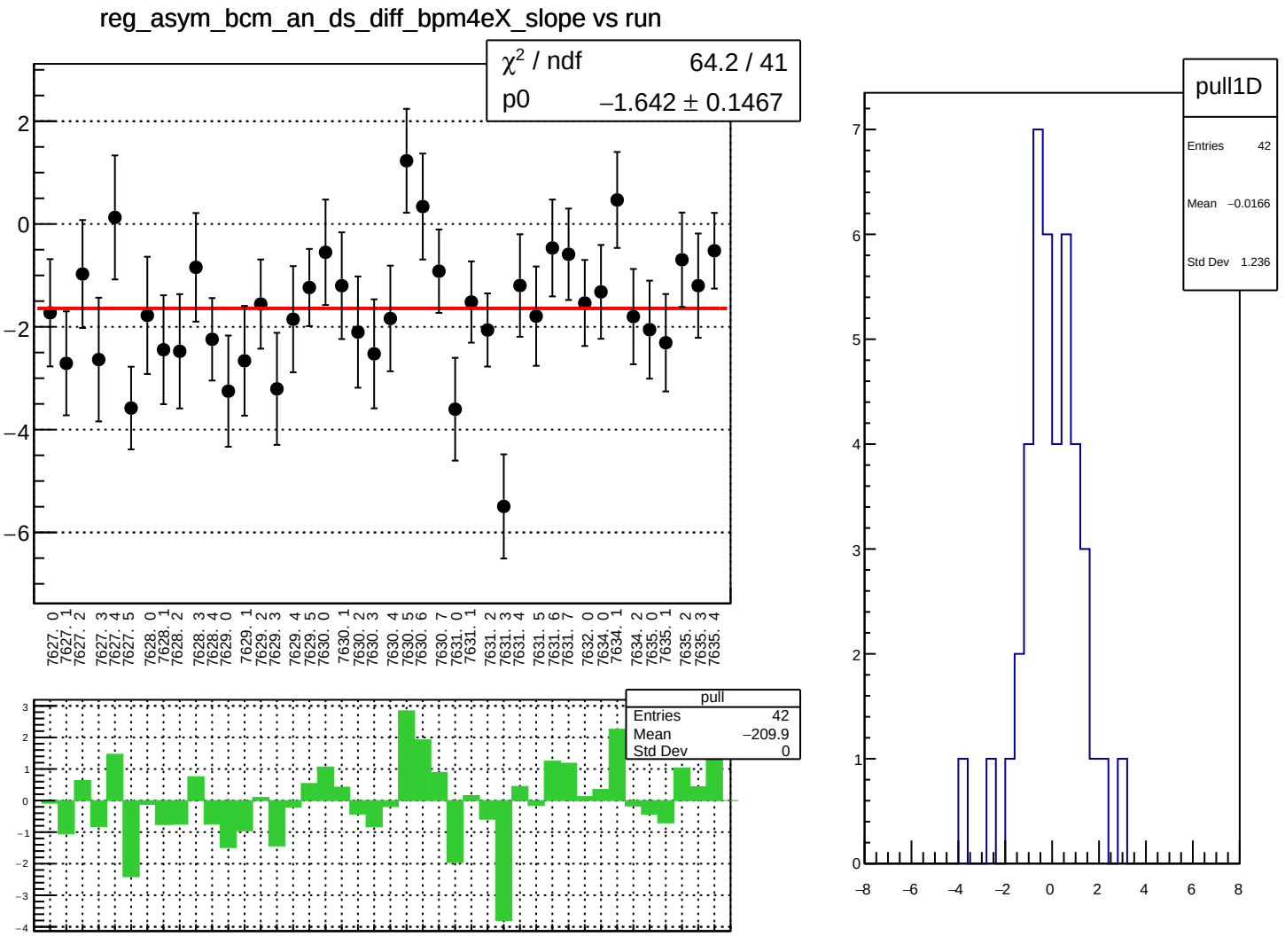

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 68.13 / 41
p0 0.1926 ± 0.0241
pull
Entries 42
Mean −67.29
Std Dev 0
pull1D
Entries 42
Mean 0.03187
Std Dev 1.273

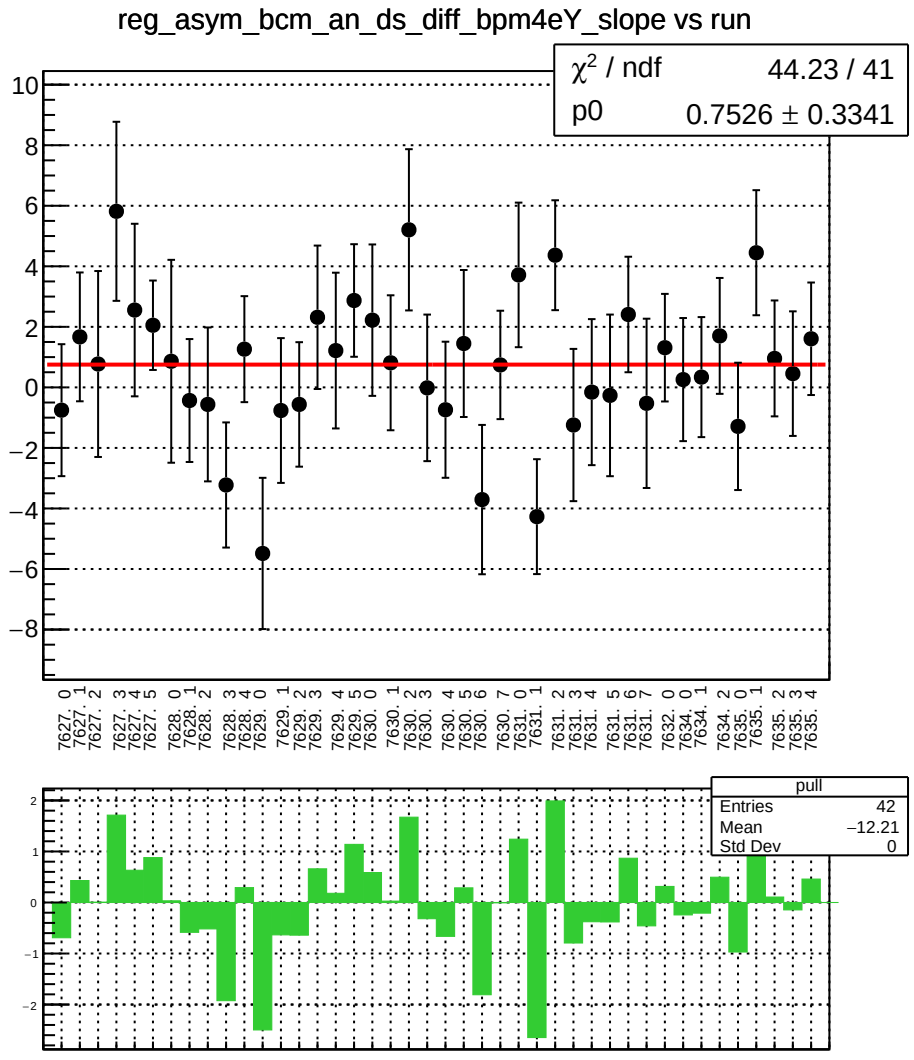

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 63.51 / 41
p0 1.942 ± 0.1835
pull
Entries 42
Mean −394.7
Std Dev 0

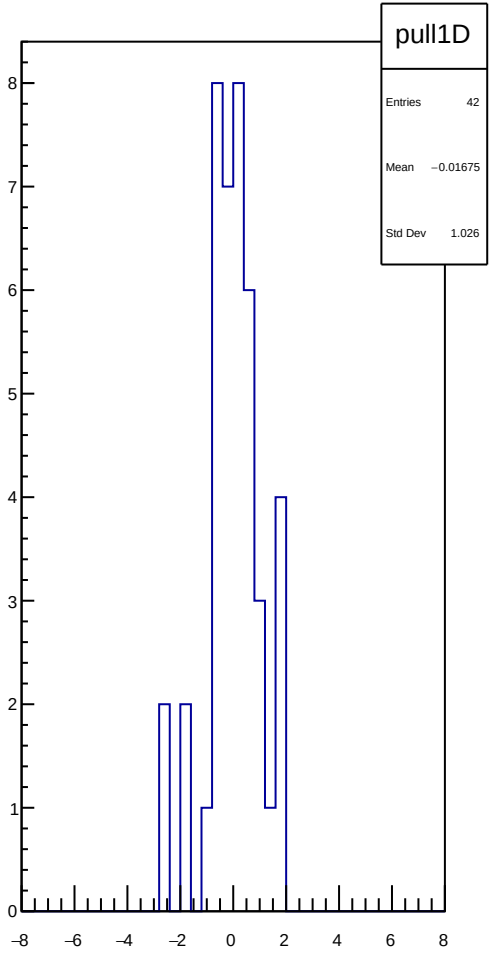

pull1D
Entries 42
Mean 0.009385
Std Dev 1.23

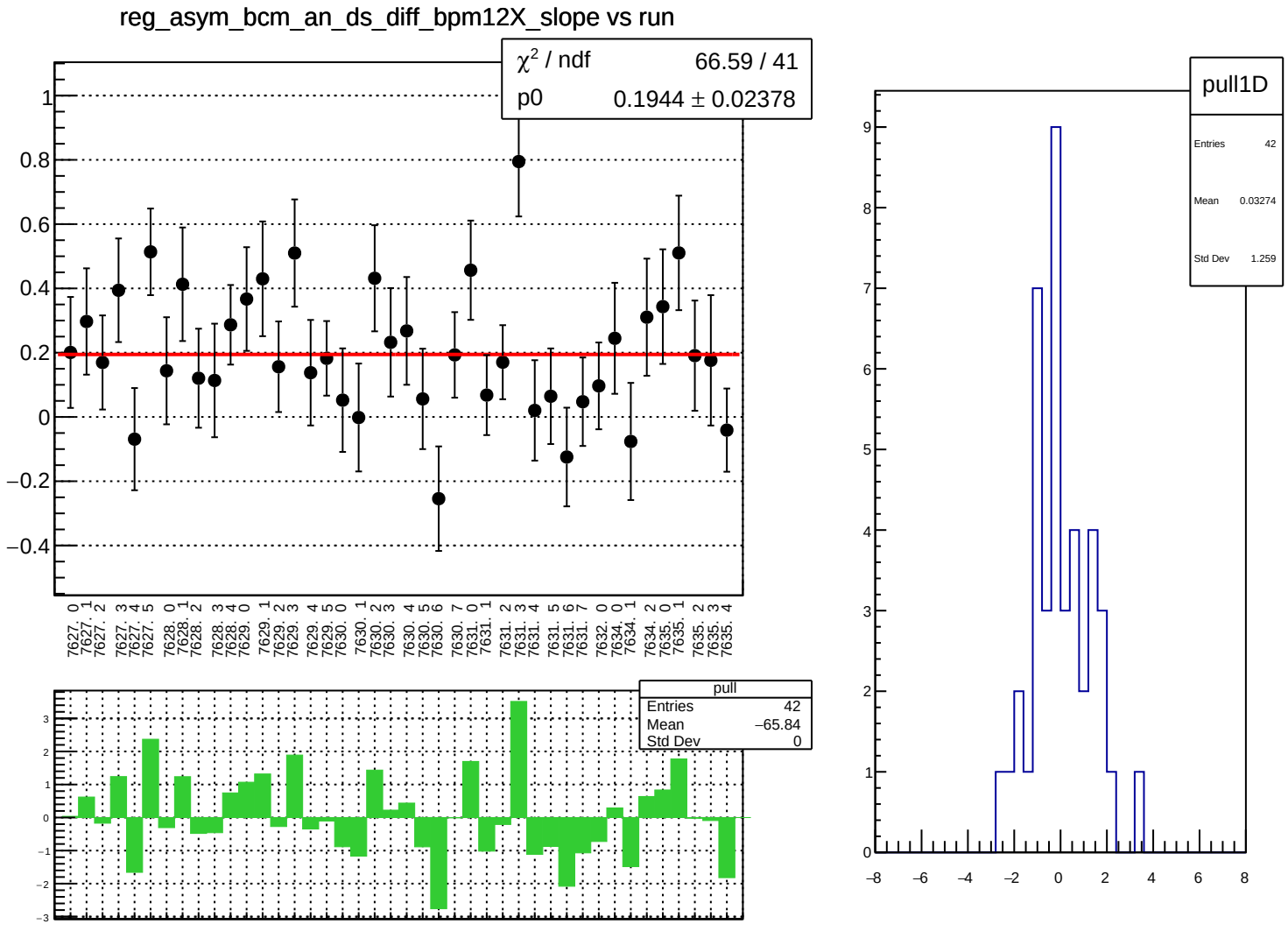

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 45.33 / 41
p0 −0.8227 ± 0.2277
pull
Entries 42
Mean −5.283
Std Dev 0

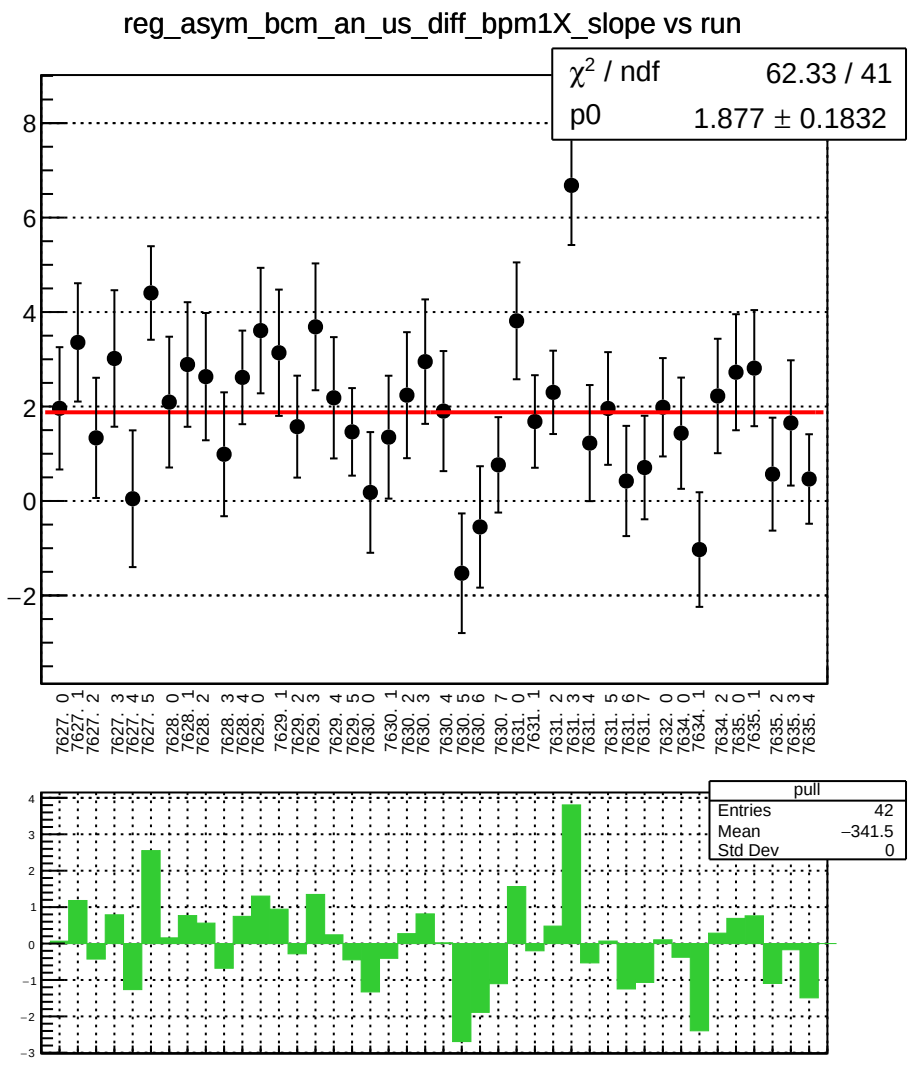

pull1D
Entries 42
Mean 0.01876
Std Dev 1.039

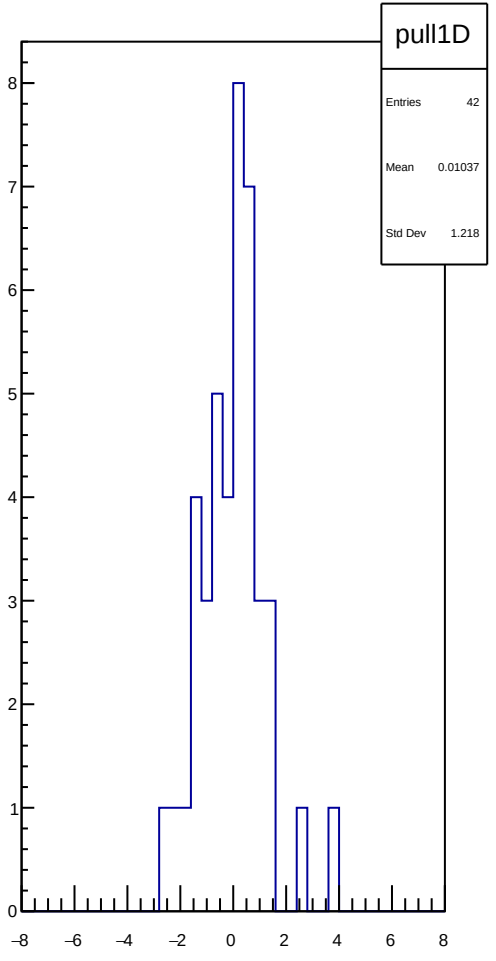

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 64.2 / 41
p0 −1.642 ± 0.1467
pull
Entries 42
Mean −209.9
Std Dev 0
pull1D
Entries 42
Mean −0.0166
Std Dev 1.236

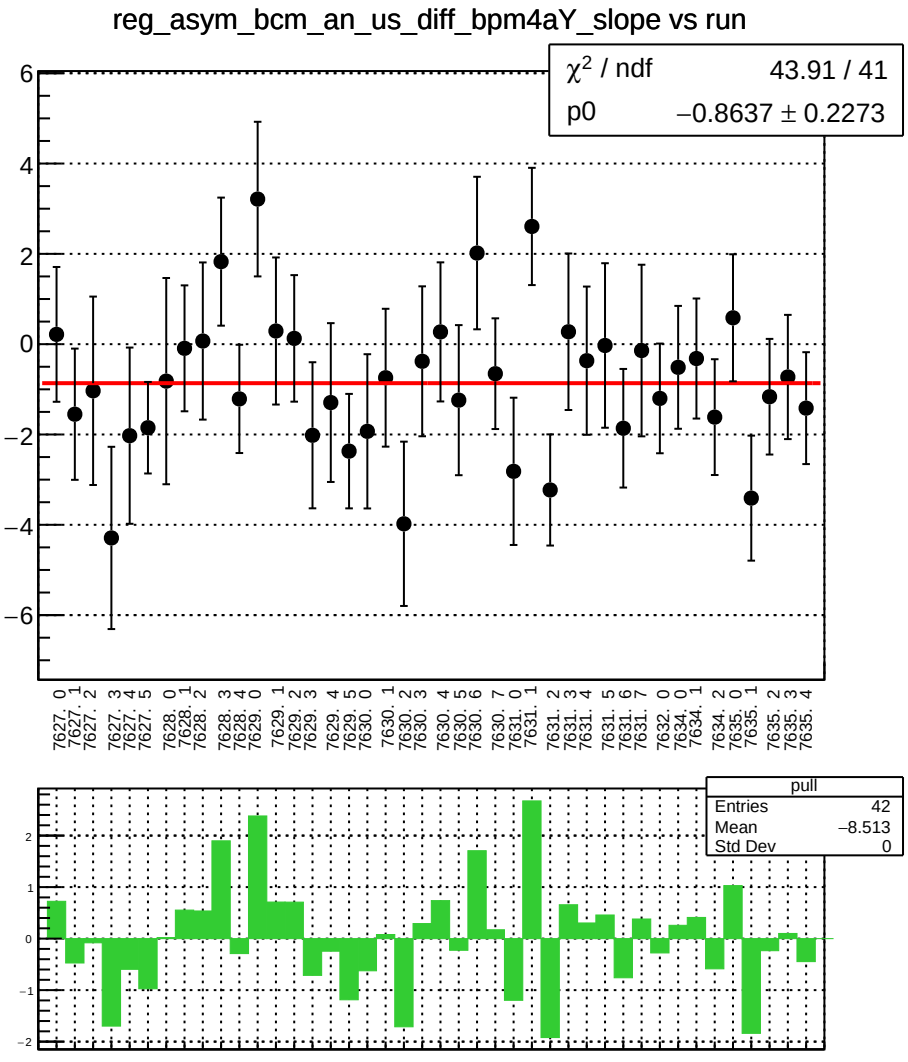

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 44.23 / 41
p0 0.7526 ± 0.3341
pull
Entries 42
Mean −12.21
Std Dev 0

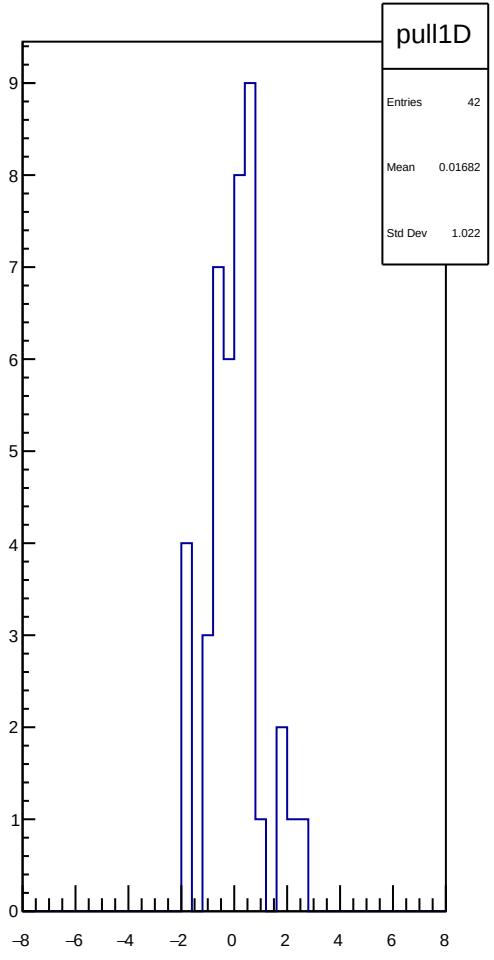

pull1D
Entries 42
Mean −0.01675
Std Dev 1.026

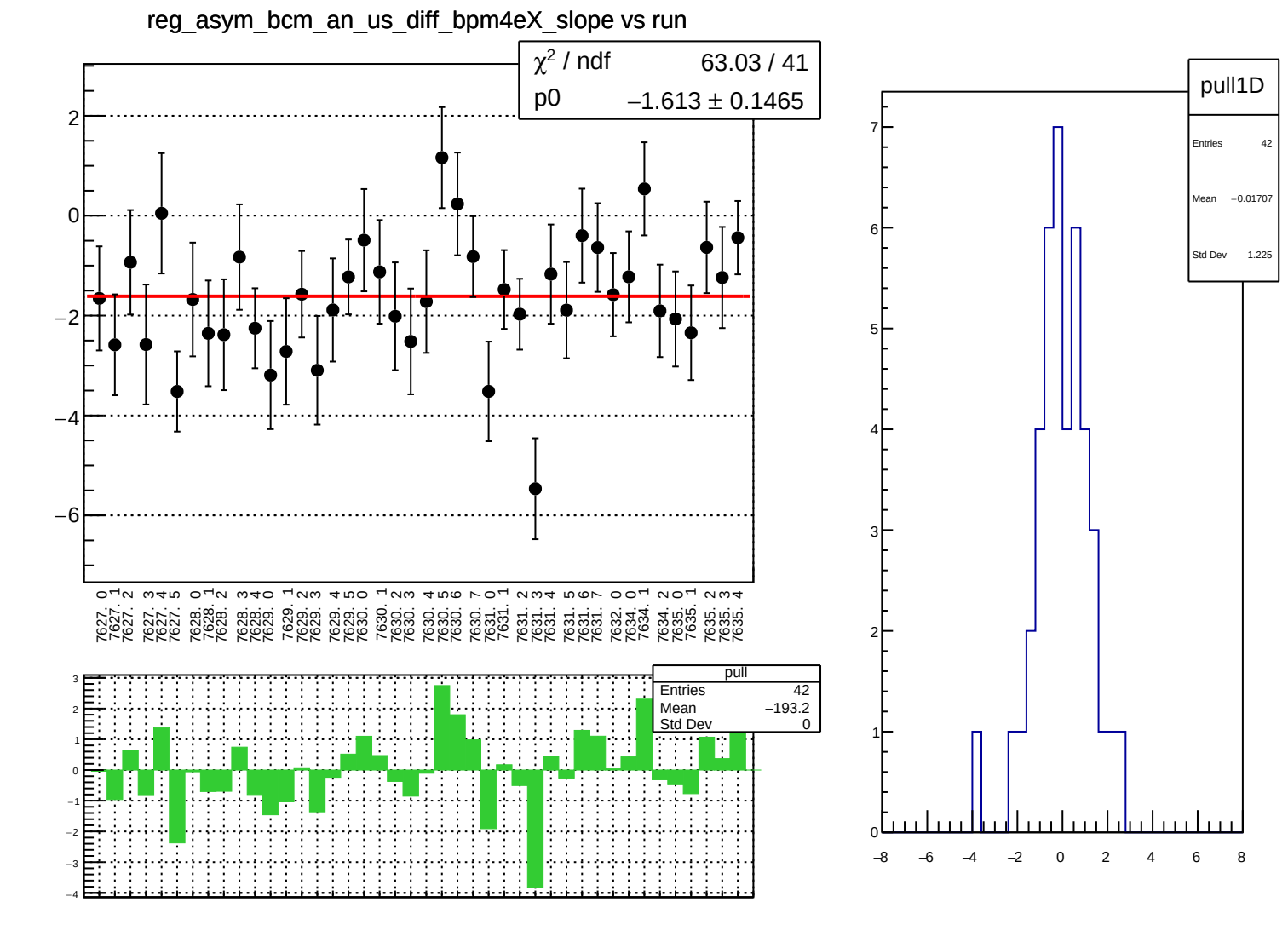

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 66.59 / 41
p0 0.1944 ± 0.02378
pull
Entries 42
Mean −65.84
Std Dev 0
pull1D
Entries 42
Mean 0.03274
Std Dev 1.259

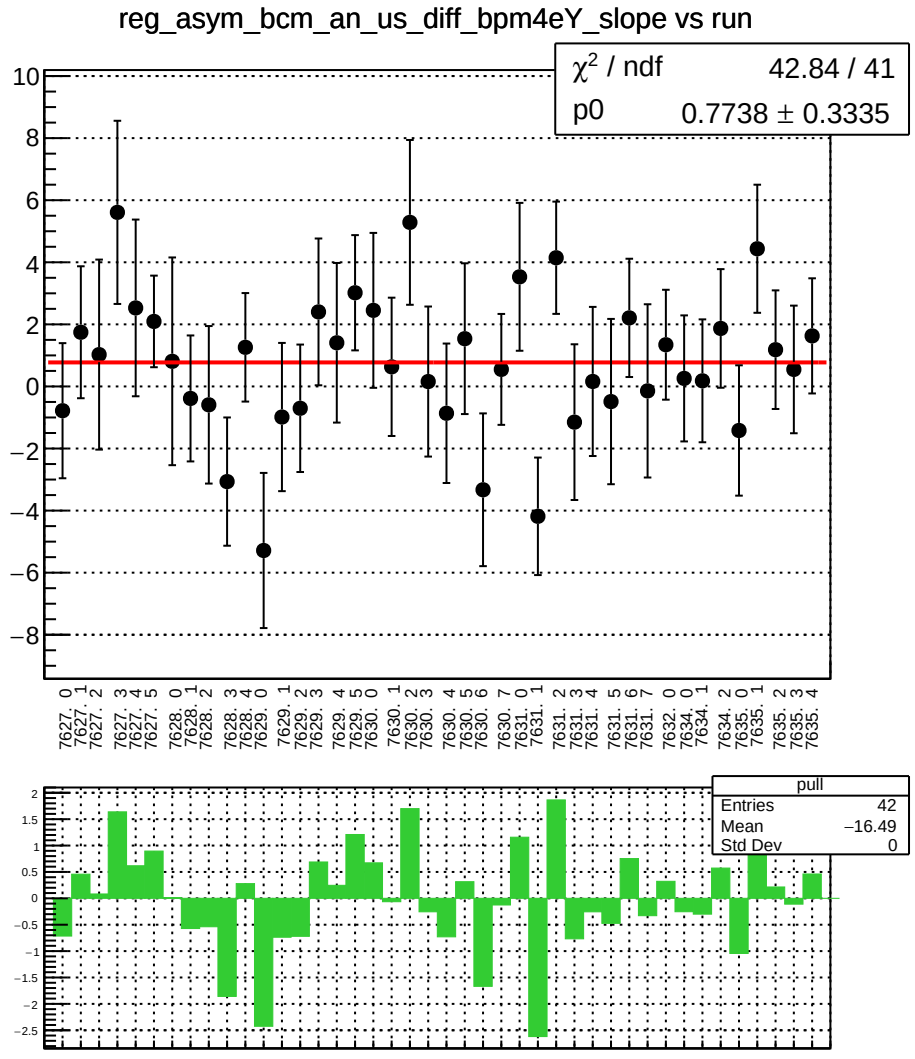

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 62.33 / 41
p0 1.877 ± 0.1832
pull
Entries 42
Mean −341.5
Std Dev 0

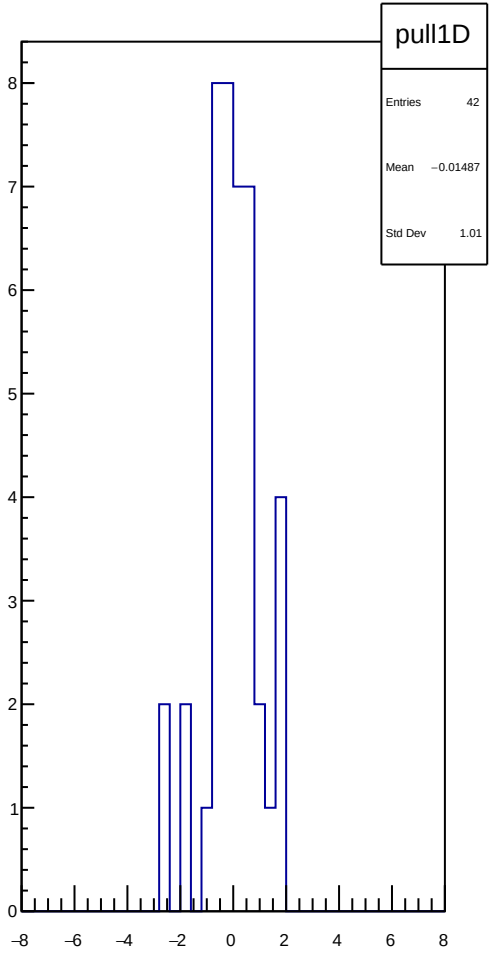

pull1D
Entries 42
Mean 0.01037
Std Dev 1.218

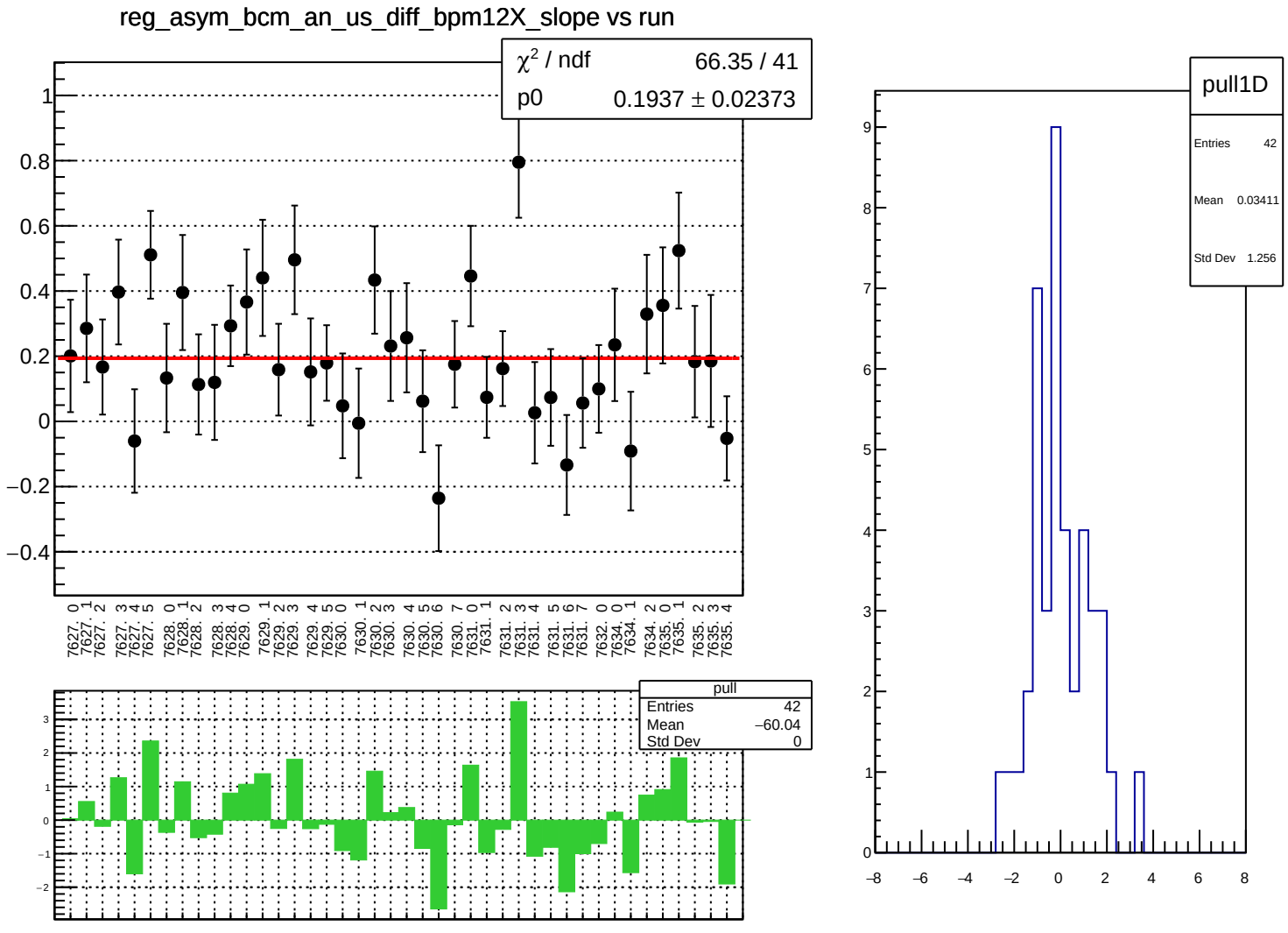

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 43.91 / 41
p0 −0.8637 ± 0.2273
pull
Entries 42
Mean −8.513
Std Dev 0

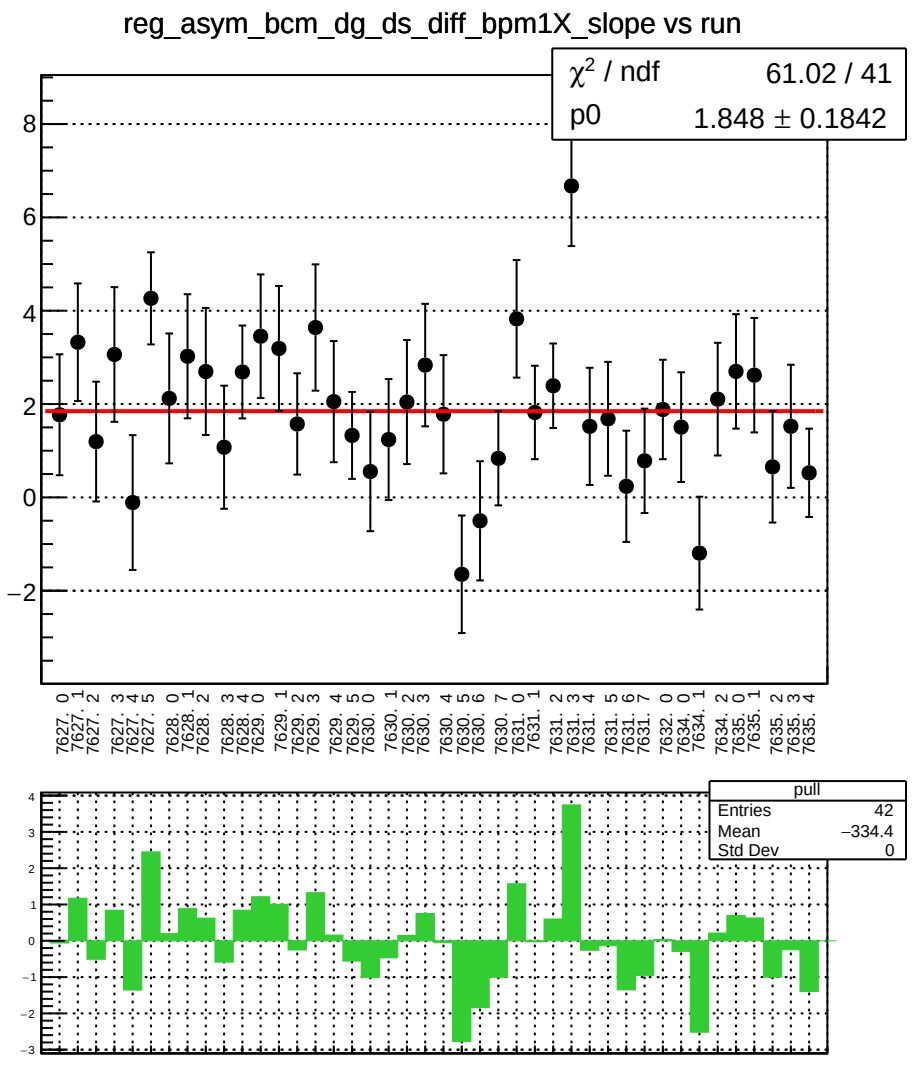

pull1D
Entries 42
Mean 0.01682
Std Dev 1.022

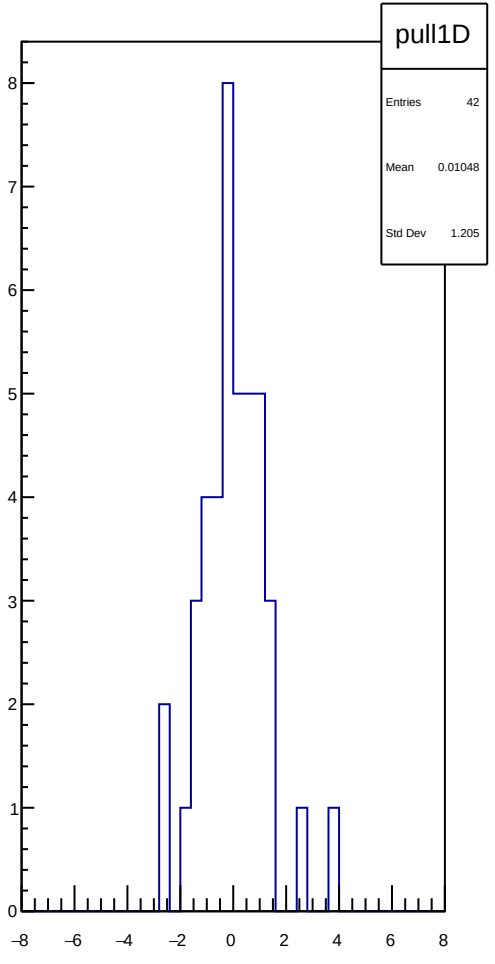

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 63.03 / 41
p0 −1.613 ± 0.1465
pull
Entries 42
Mean −193.2
Std Dev 0
pull1D
Entries 42
Mean −0.01707
Std Dev 1.225

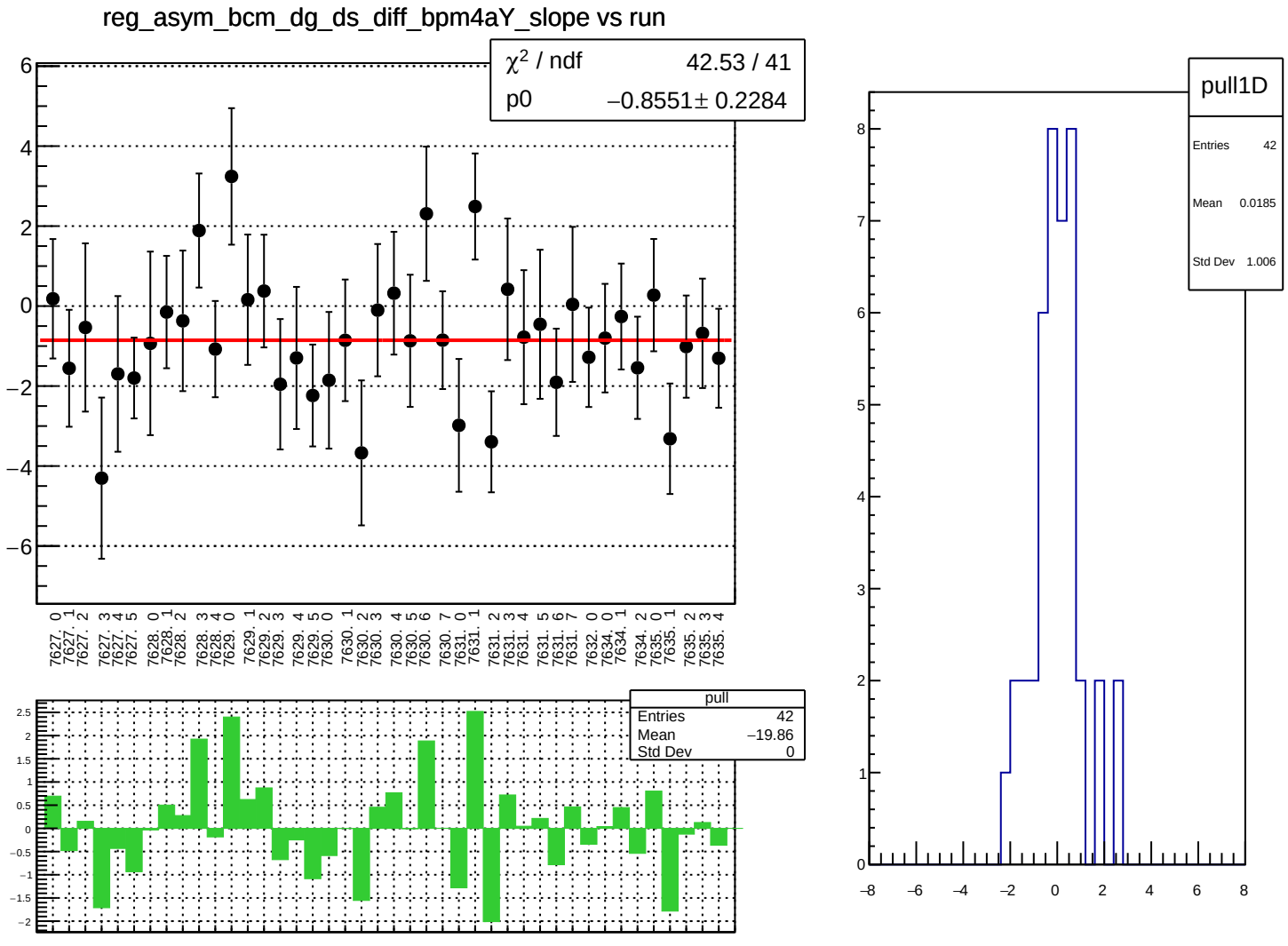

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 42.84 / 41
p0 0.7738 ± 0.3335
pull
Entries 42
Mean −16.49
Std Dev 0

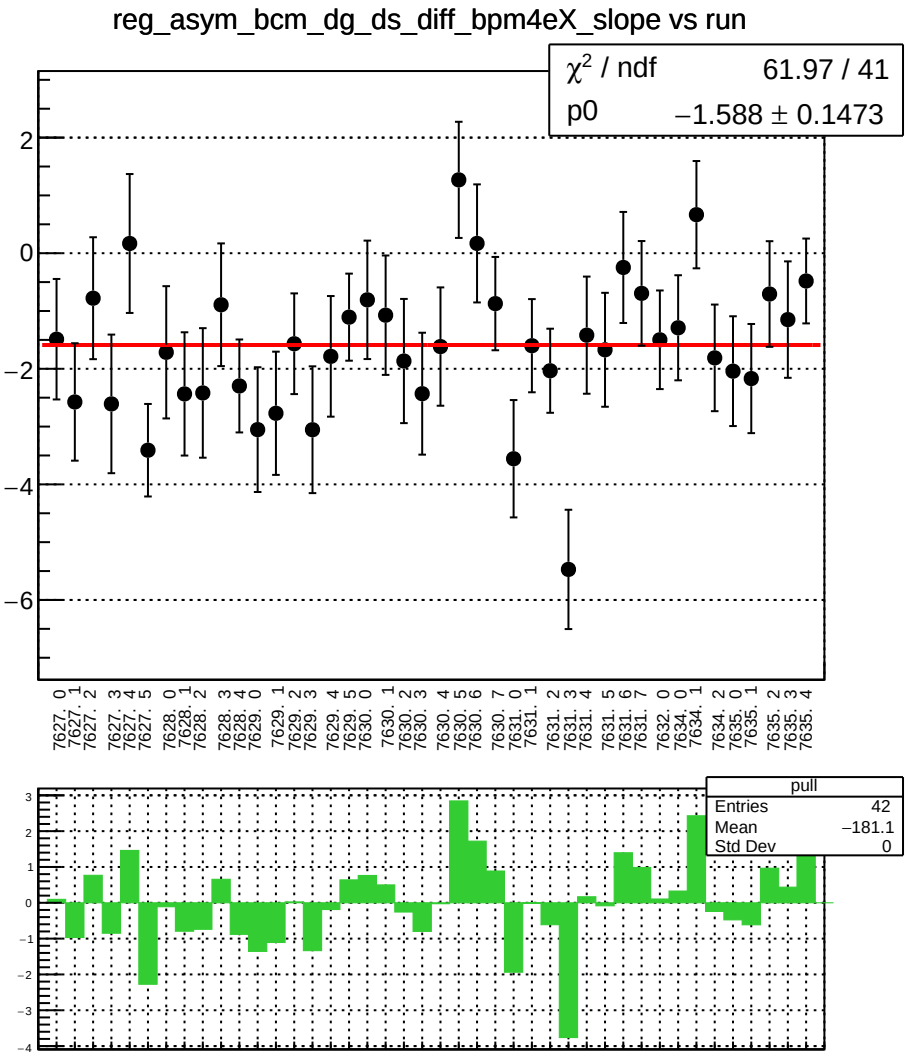

pull1D
Entries 42
Mean −0.01487
Std Dev 1.01

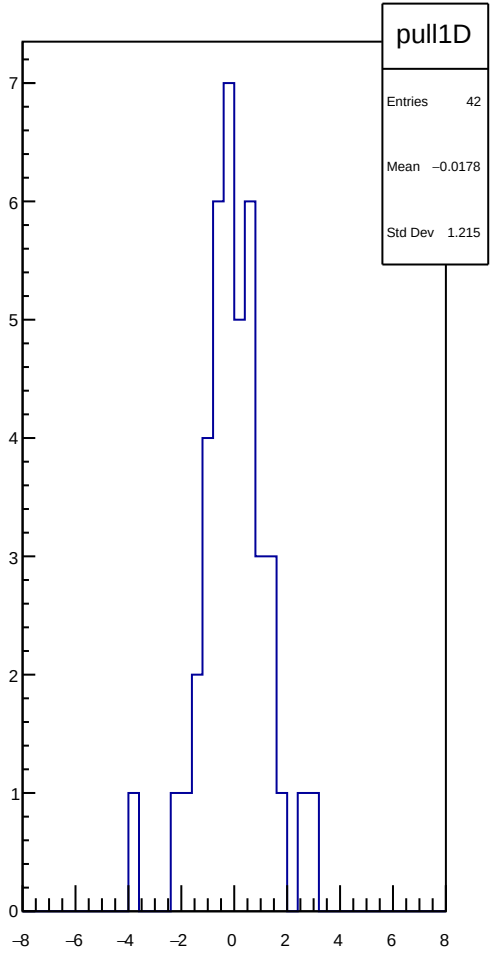

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 66.35 / 41
p0 0.1937 ± 0.02373
pull
Entries 42
Mean −60.04
Std Dev 0
pull1D
Entries 42
Mean 0.03411
Std Dev 1.256

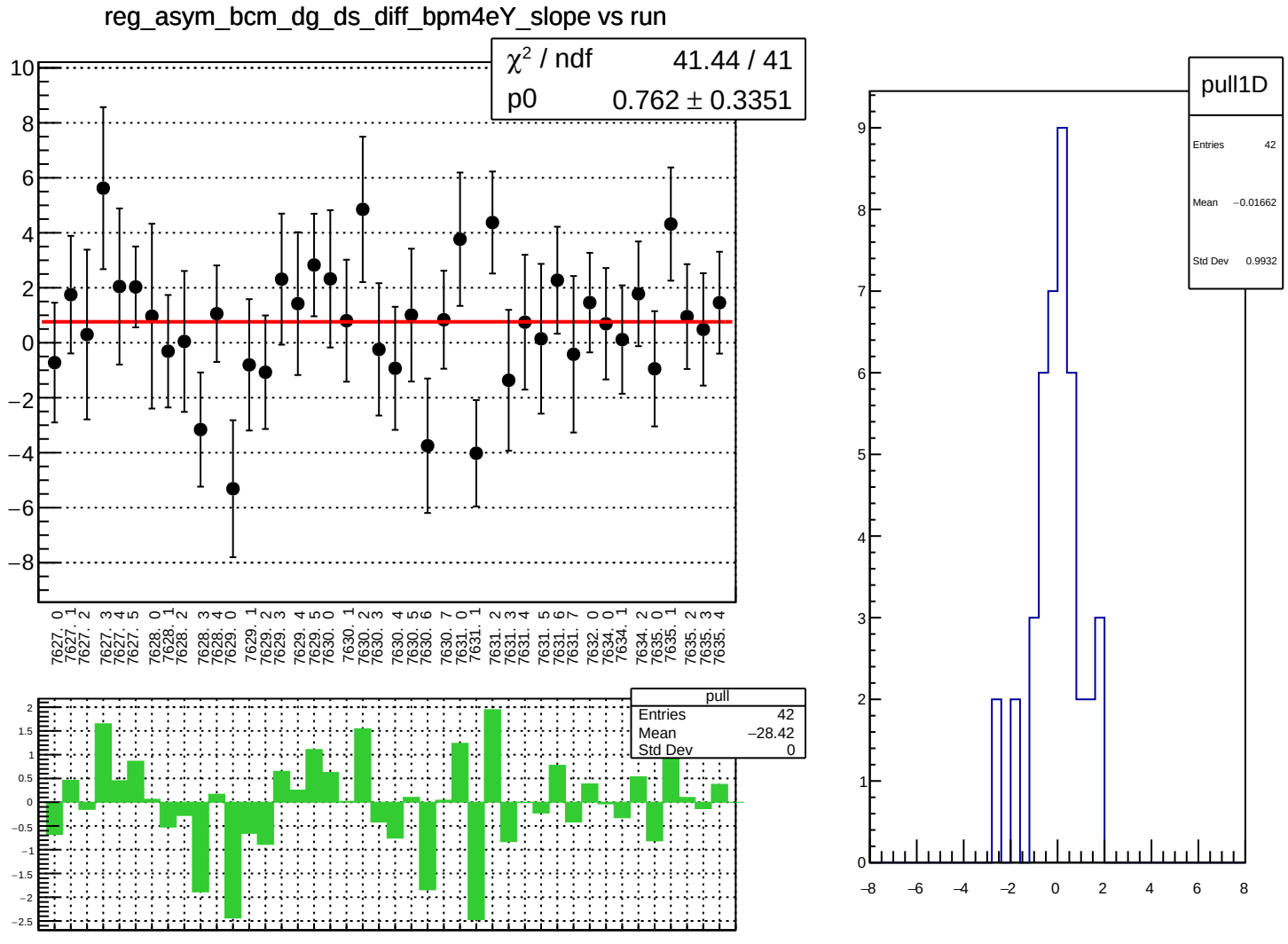

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 61.02 / 41
p0 1.848 ± 0.1842
pull
Entries 42
Mean −334.4
Std Dev 0

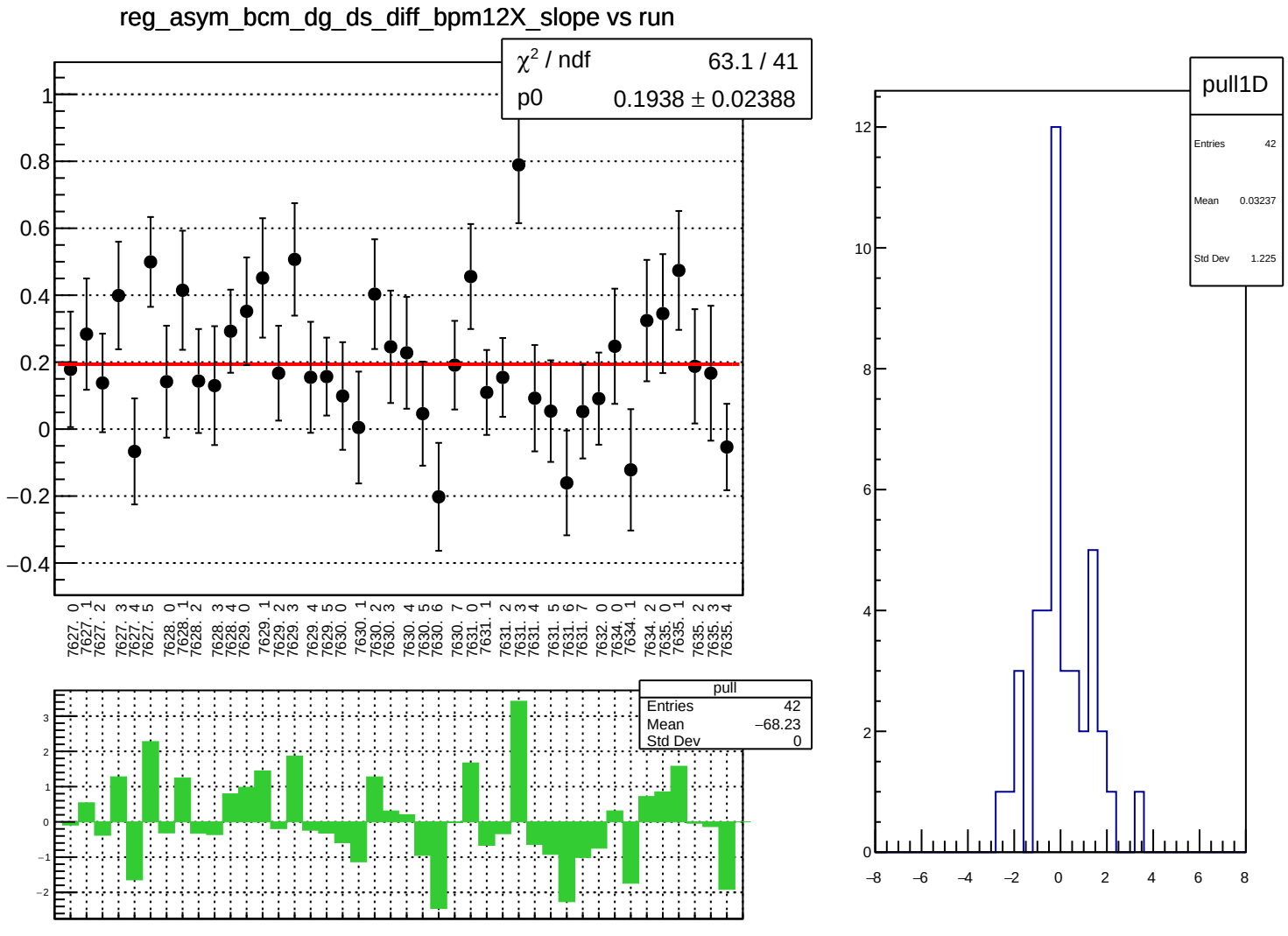

pull1D
Entries 42
Mean 0.01048
Std Dev 1.205

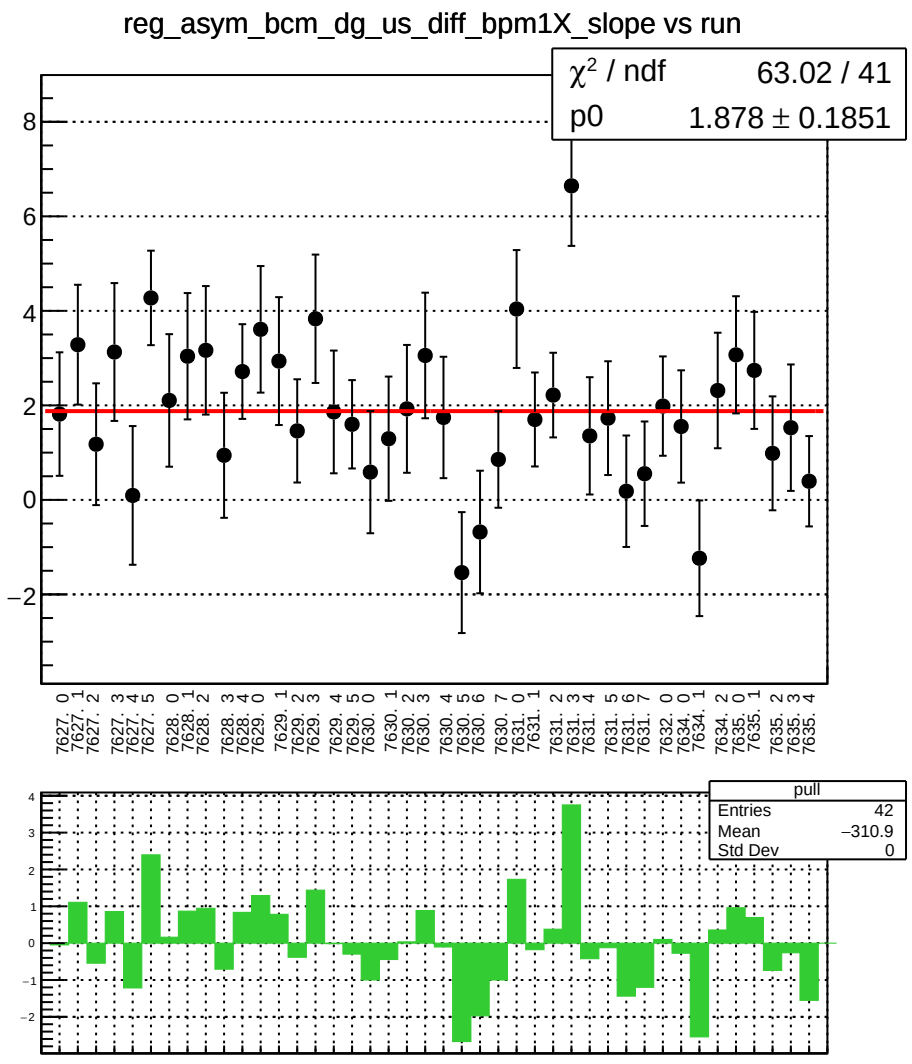

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 42.53 / 41
p0 −0.8551± 0.2284
pull
Entries 42
Mean −19.86
Std Dev 0
pull1D
Entries 42
Mean 0.0185
Std Dev 1.006

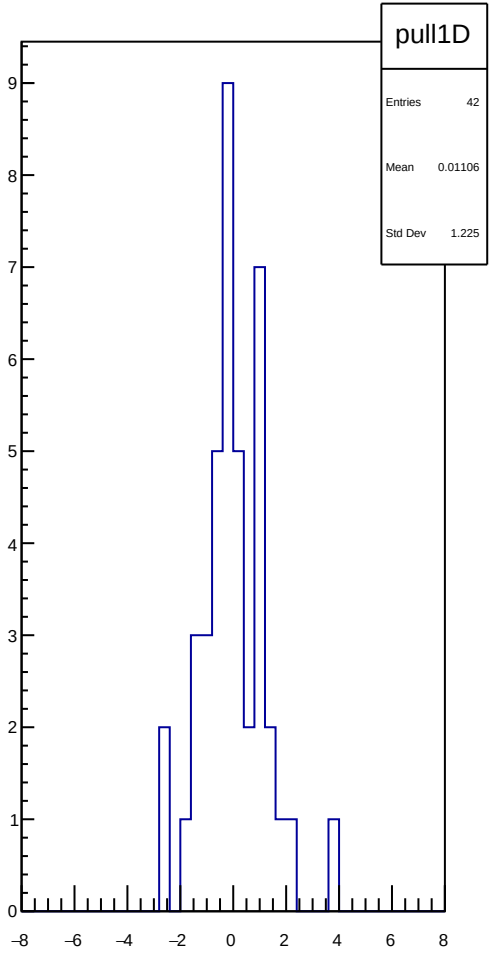

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 61.97 / 41
p0 −1.588 ± 0.1473
pull
Entries 42
Mean −181.1
Std Dev 0

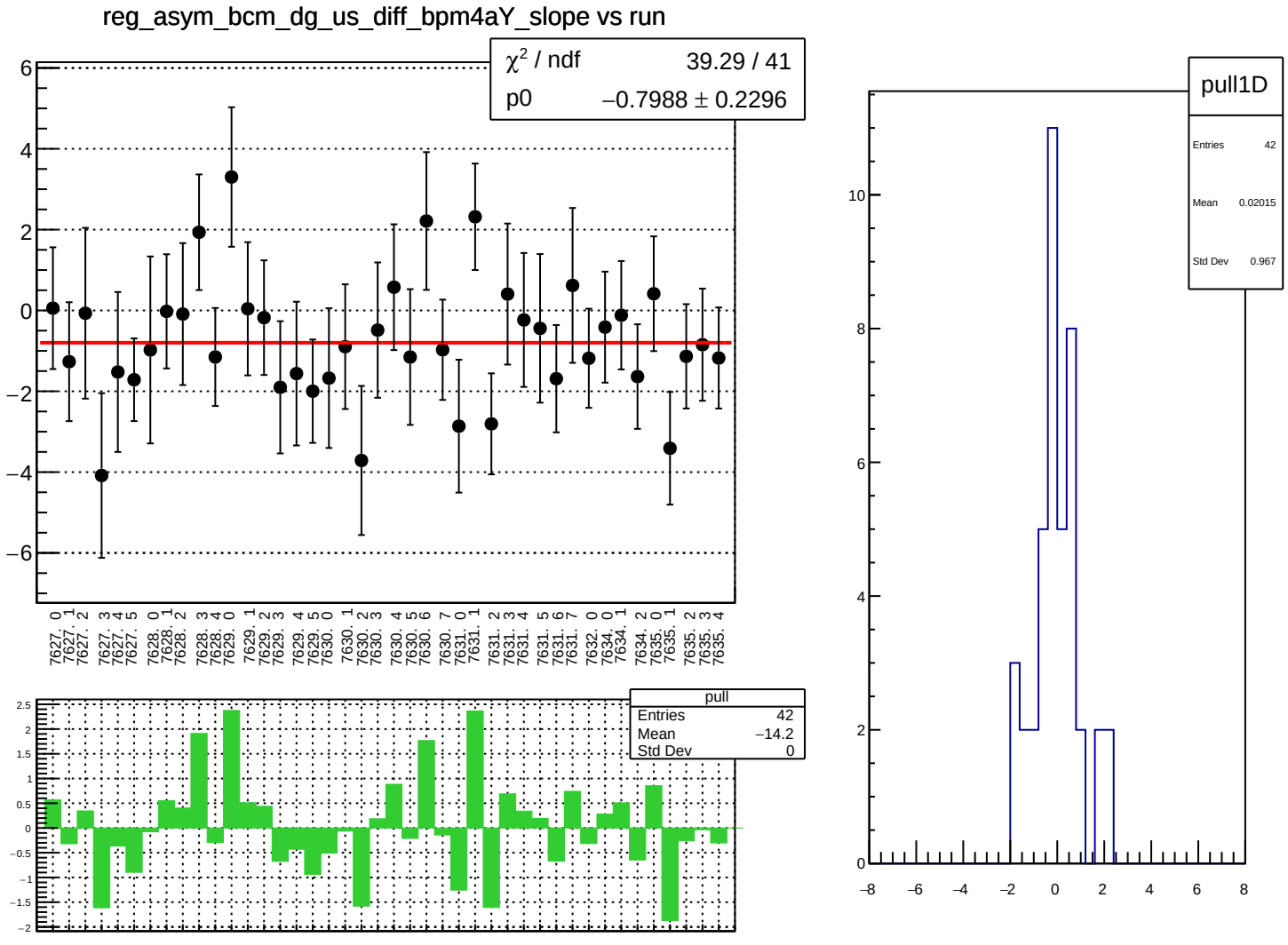

pull1D
Entries 42
Mean −0.0178
Std Dev 1.215

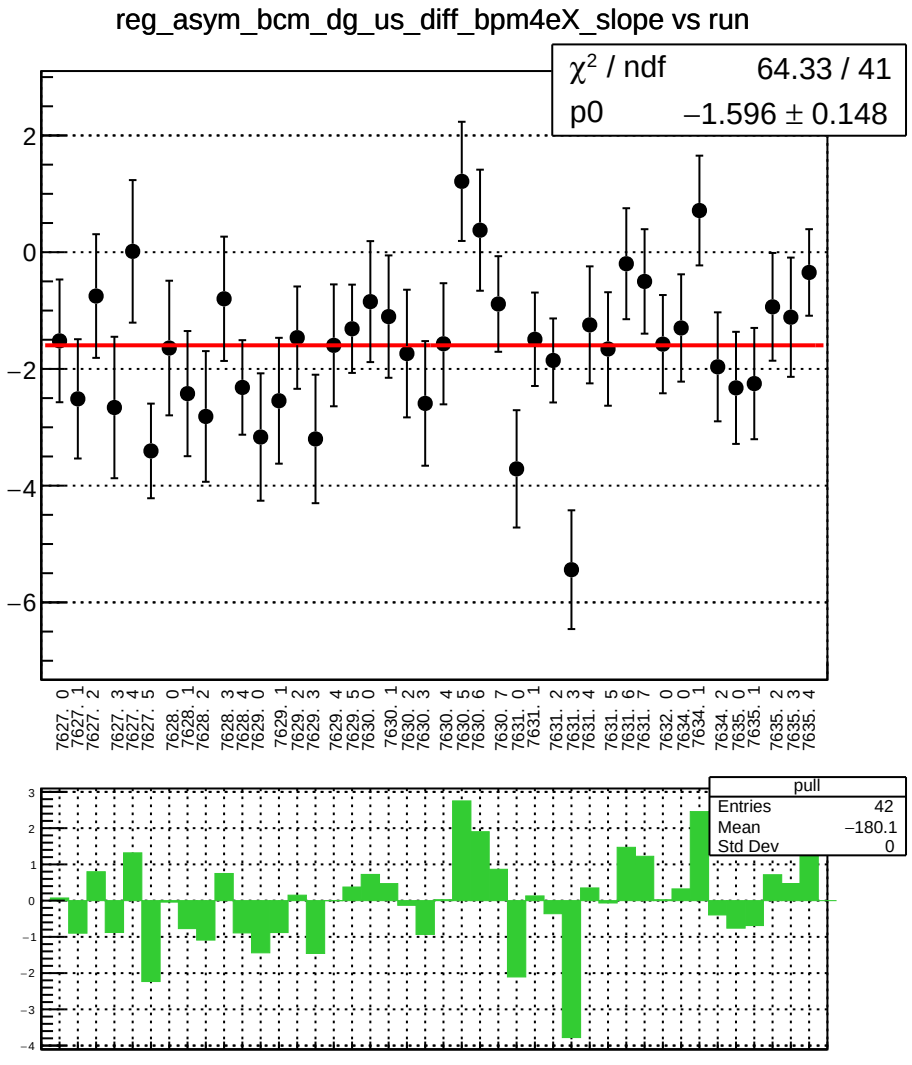

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 41.44 / 41
p0 0.762 ± 0.3351
pull
Entries 42
Mean −28.42
Std Dev 0
pull1D
Entries 42
Mean −0.01662
Std Dev 0.9932

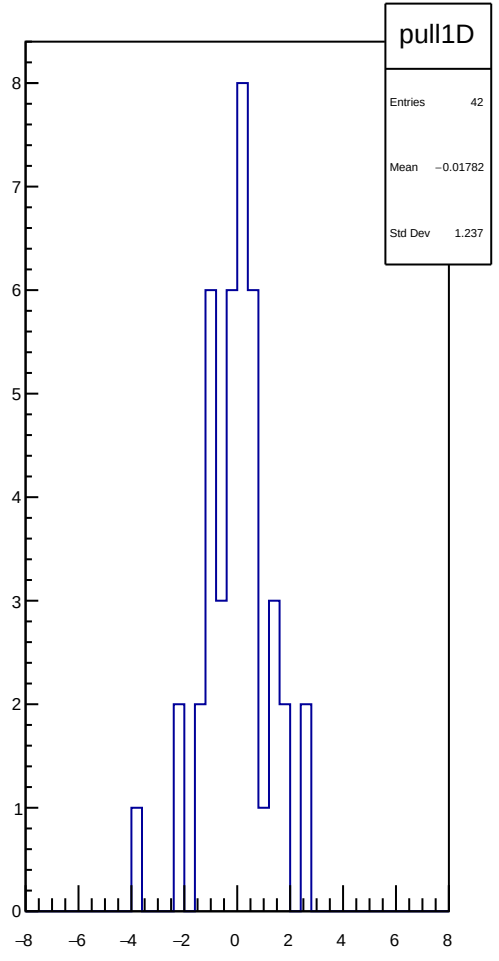

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 63.1 / 41
p0 0.1938 ± 0.02388
pull
Entries 42
Mean −68.23
Std Dev 0
pull1D
Entries 42
Mean 0.03237
Std Dev 1.225

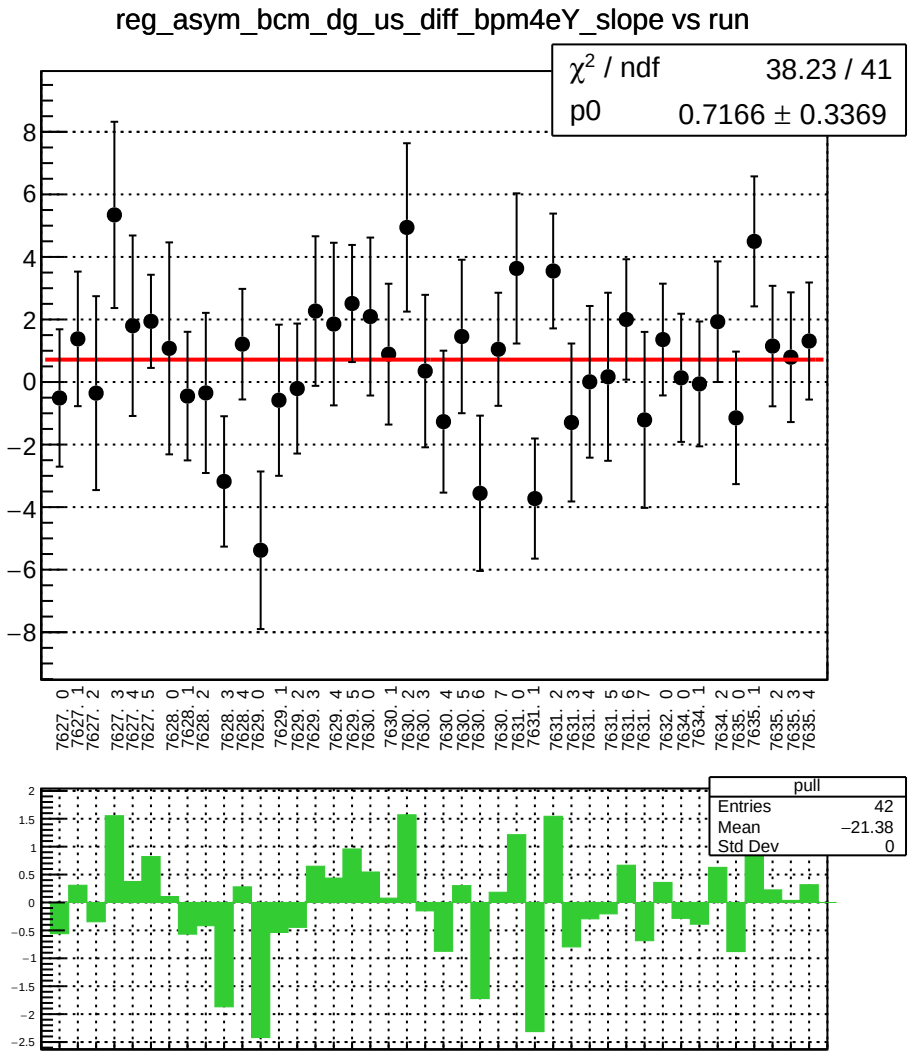

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 63.02 / 41
p0 1.878 ± 0.1851
pull
Entries 42
Mean −310.9
Std Dev 0

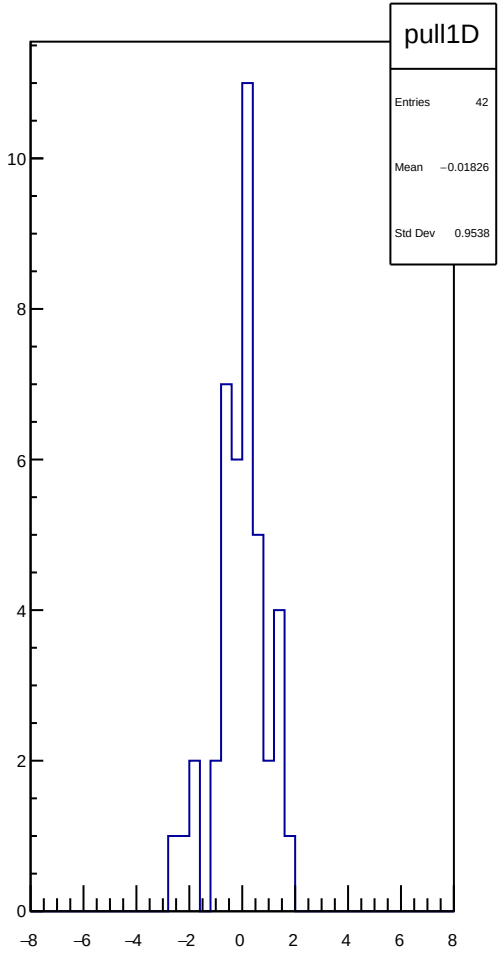

pull1D
Entries 42
Mean 0.01106
Std Dev 1.225

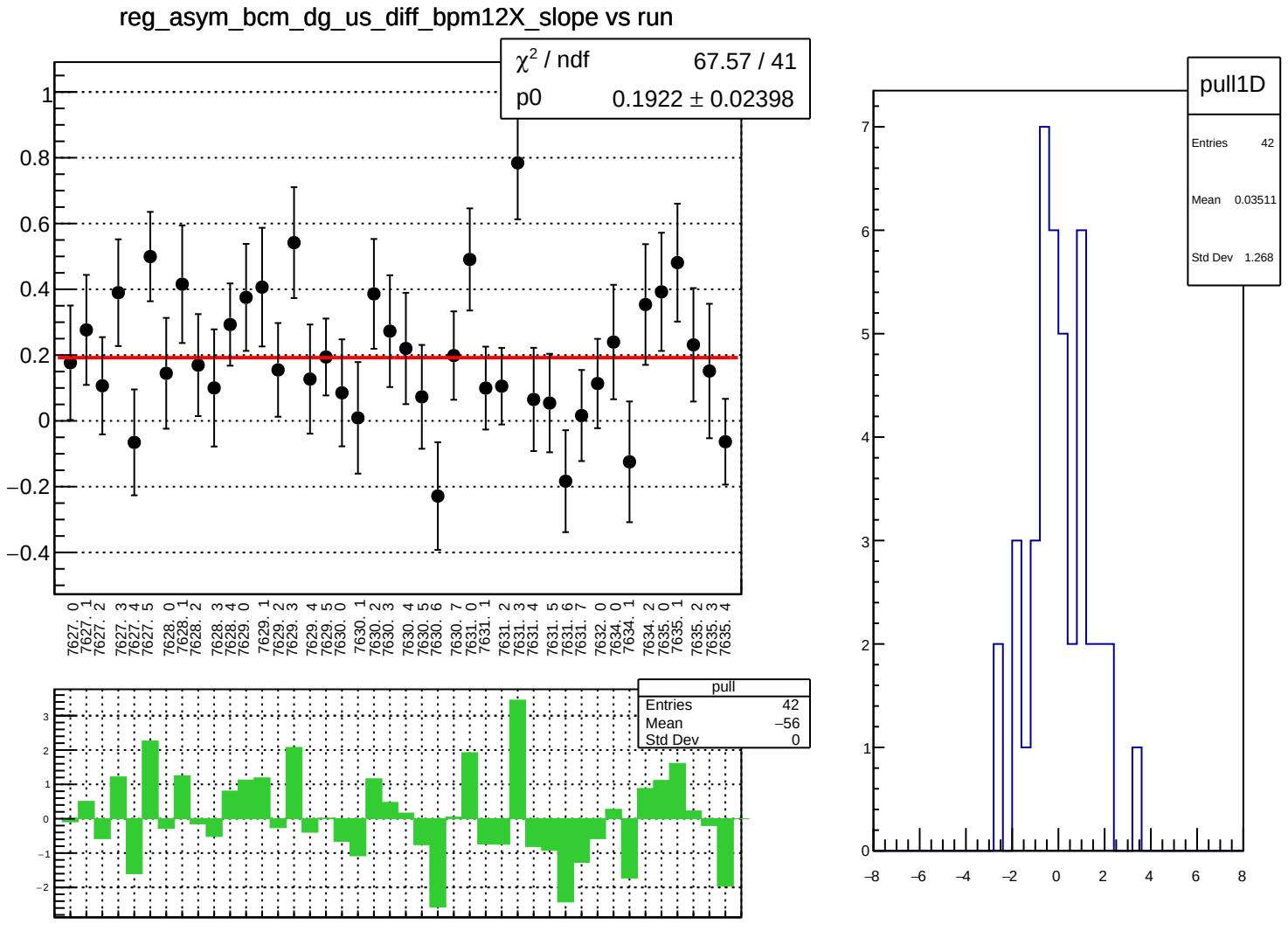

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 39.29 / 41
p0 −0.7988 ± 0.2296
pull
Entries 42
Mean −14.2
Std Dev 0
pull1D
Entries 42
Mean 0.02015
Std Dev 0.967

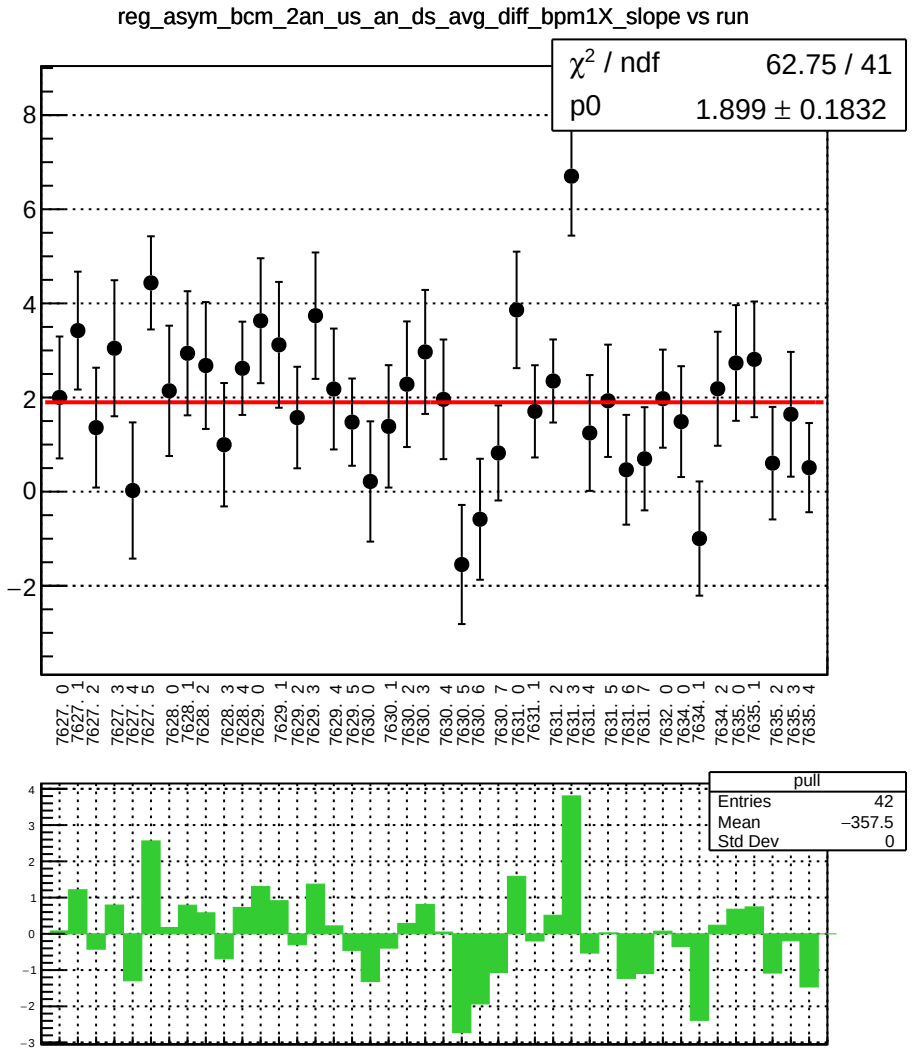

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 64.33 / 41
p0 −1.596 ± 0.148
pull
Entries 42
Mean −180.1
Std Dev 0

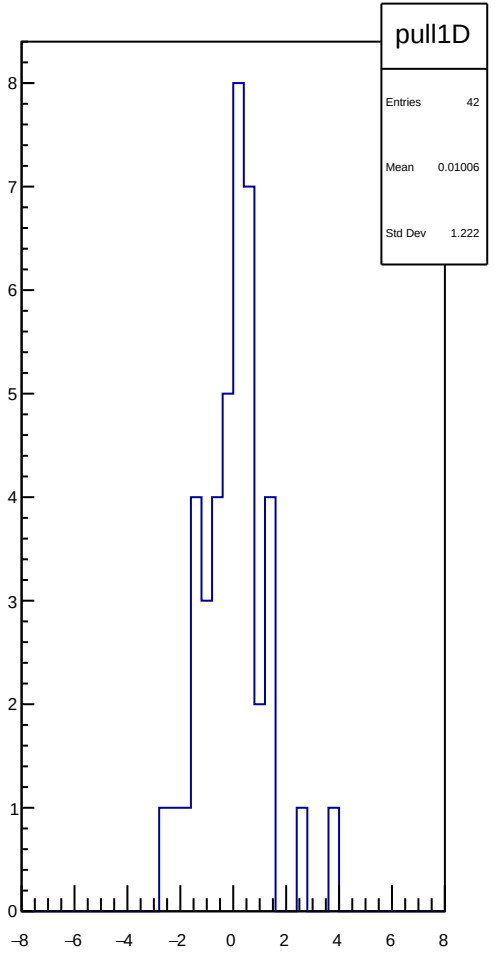

pull1D
Entries 42
Mean −0.01782
Std Dev 1.237

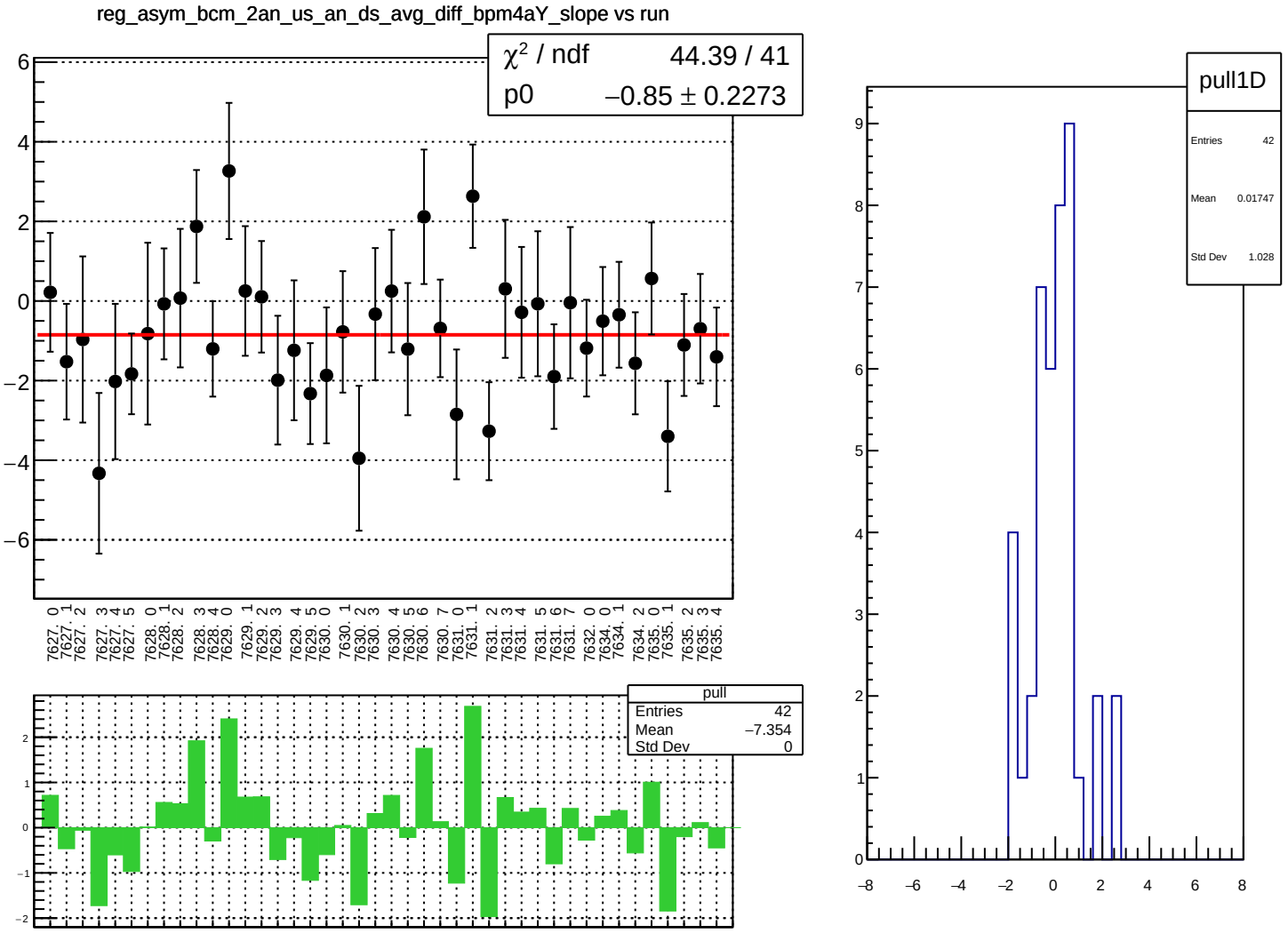

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 38.23 / 41
p0 0.7166 ± 0.3369
pull
Entries 42
Mean −21.38
Std Dev 0

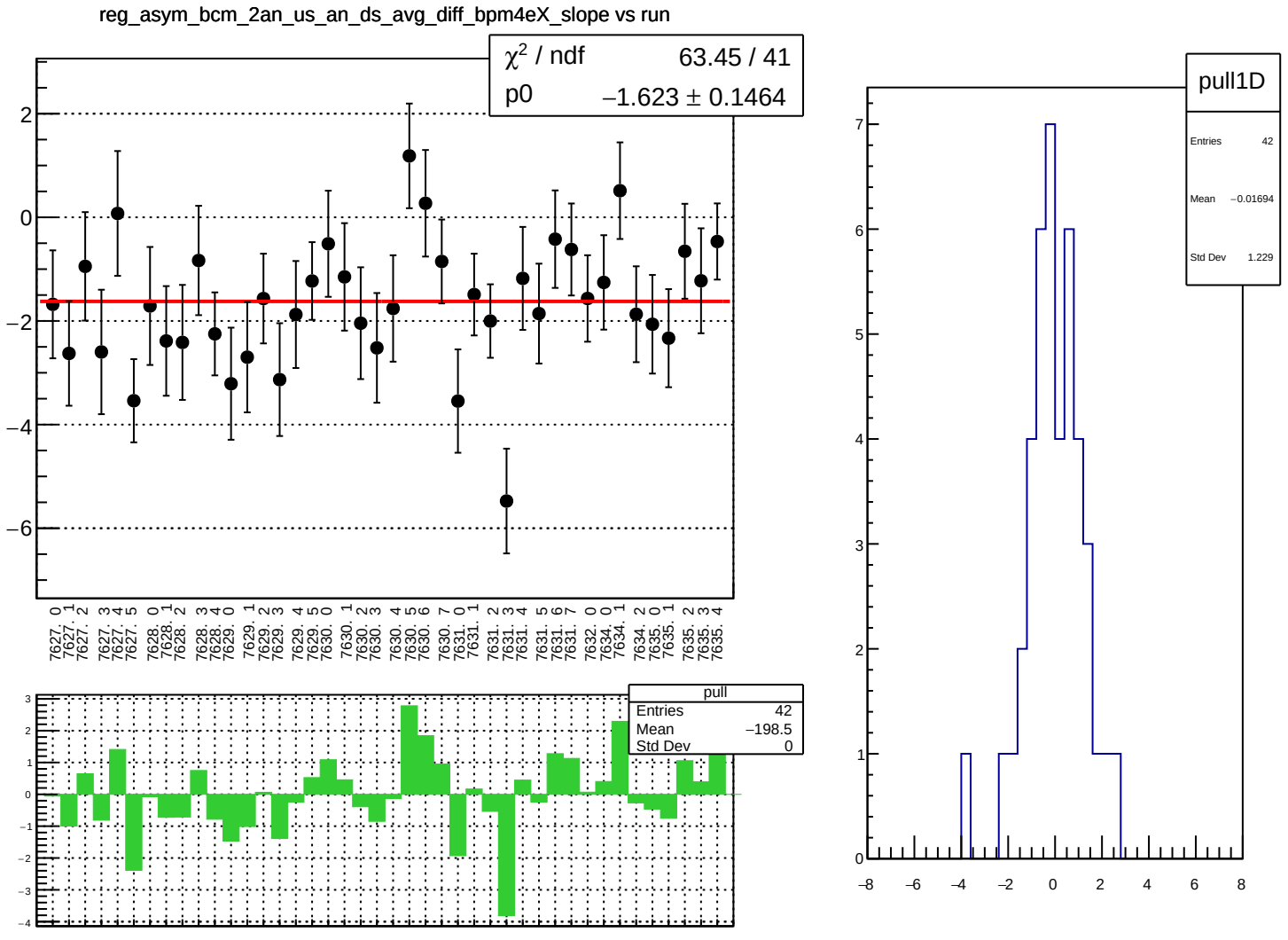

pull1D
Entries 42
Mean −0.01826
Std Dev 0.9538

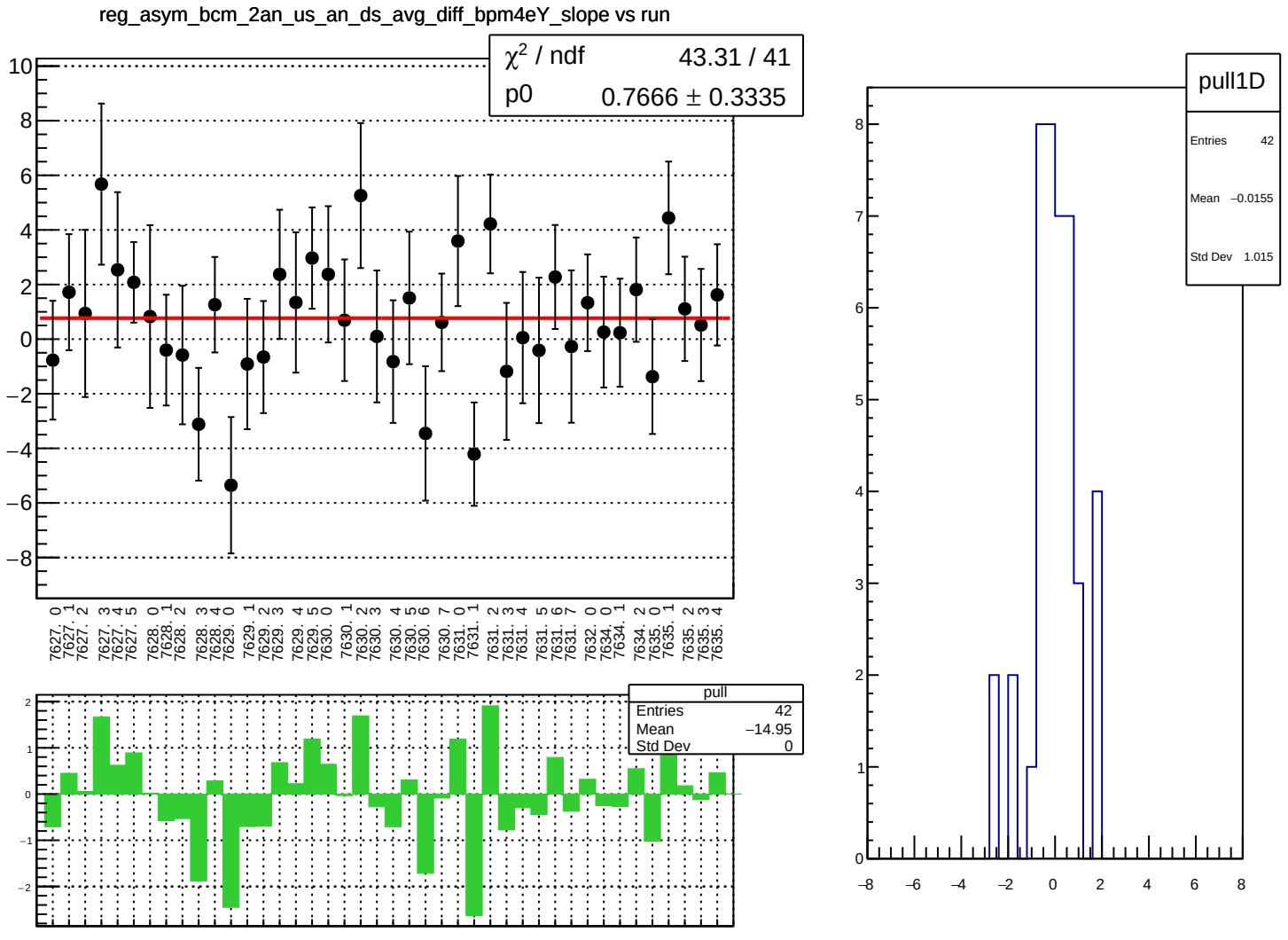

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 67.57 / 41
p0 0.1922 ± 0.02398
pull
Entries 42
Mean −56
Std Dev 0
pull1D
Entries 42
Mean 0.03511
Std Dev 1.268

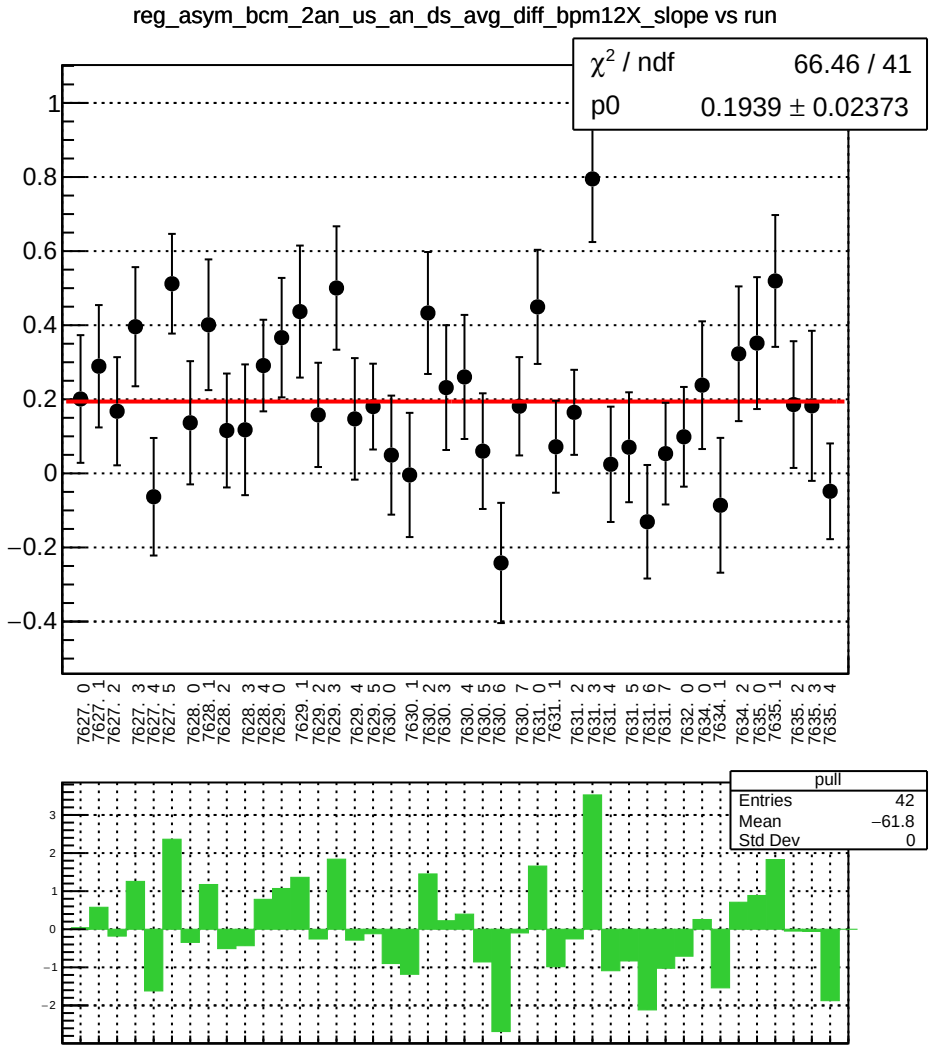

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 62.75 / 41
p0 1.899 ± 0.1832
pull
Entries 42
Mean −357.5
Std Dev 0

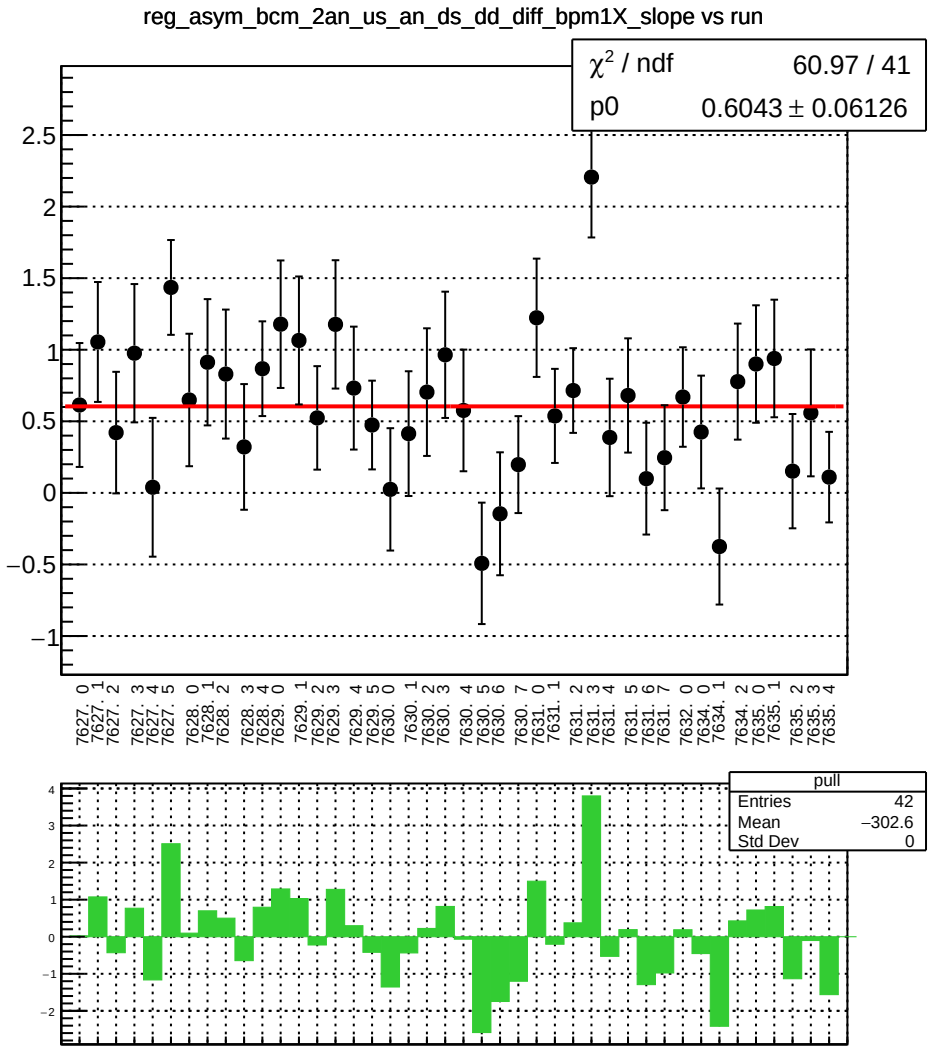

pull1D
Entries 42
Mean 0.01006
Std Dev 1.222

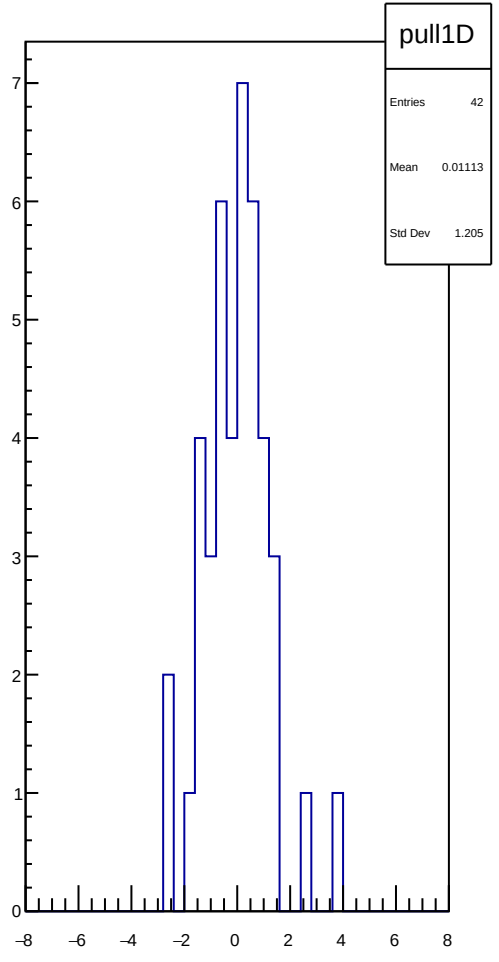

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.39 / 41
p0 −0.85 ± 0.2273
pull
Entries 42
Mean −7.354
Std Dev 0
pull1D
Entries 42
Mean 0.01747
Std Dev 1.028

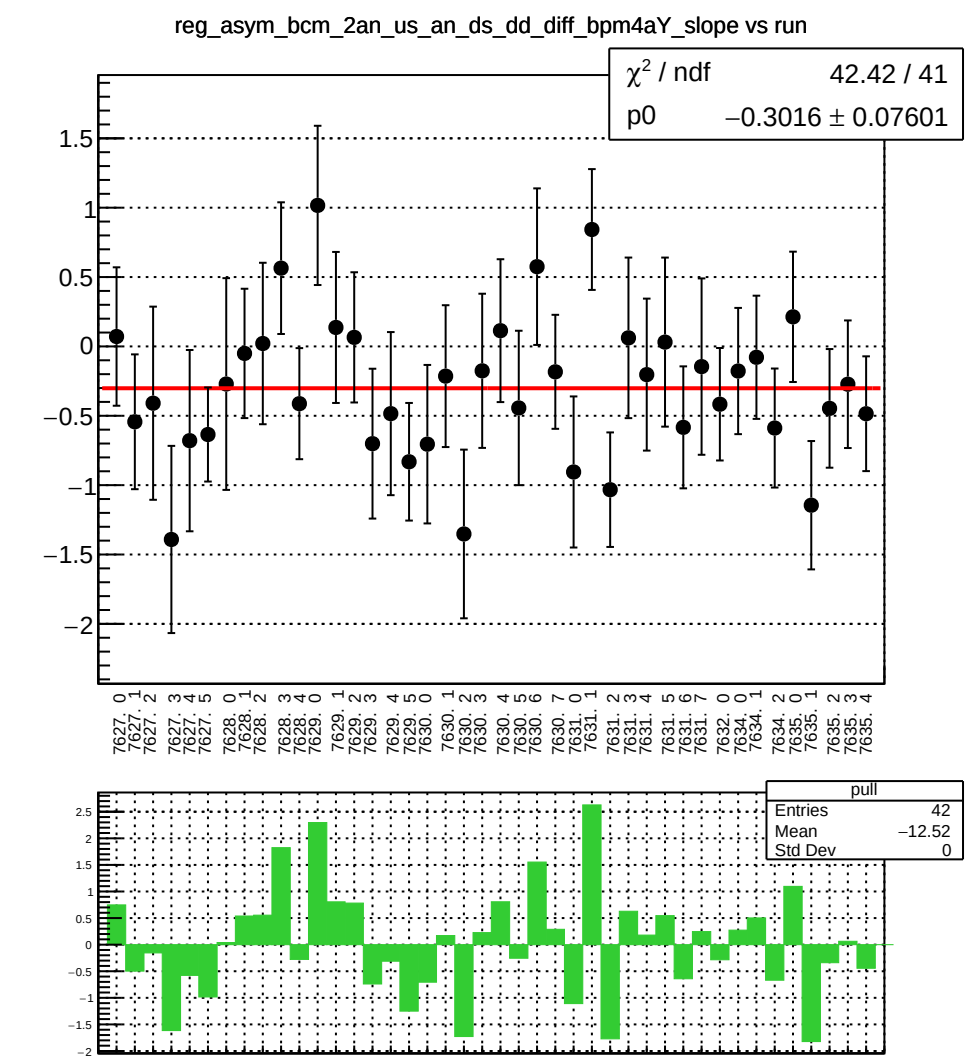

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.45 / 41
p0 −1.623 ± 0.1464
pull
Entries 42
Mean −198.5
Std Dev 0
pull1D
Entries 42
Mean −0.01694
Std Dev 1.229

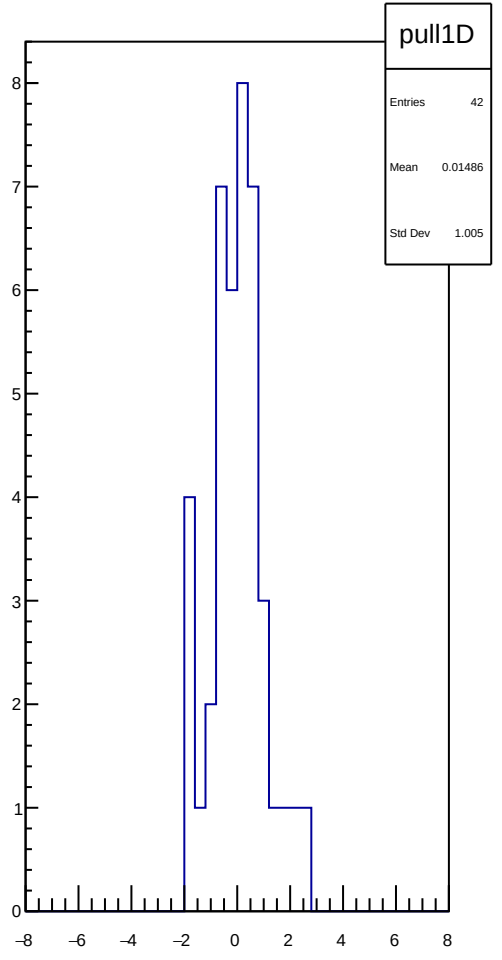

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.31 / 41
p0 0.7666 ± 0.3335
pull
Entries 42
Mean −14.95
Std Dev 0
pull1D
Entries 42
Mean −0.0155
Std Dev 1.015

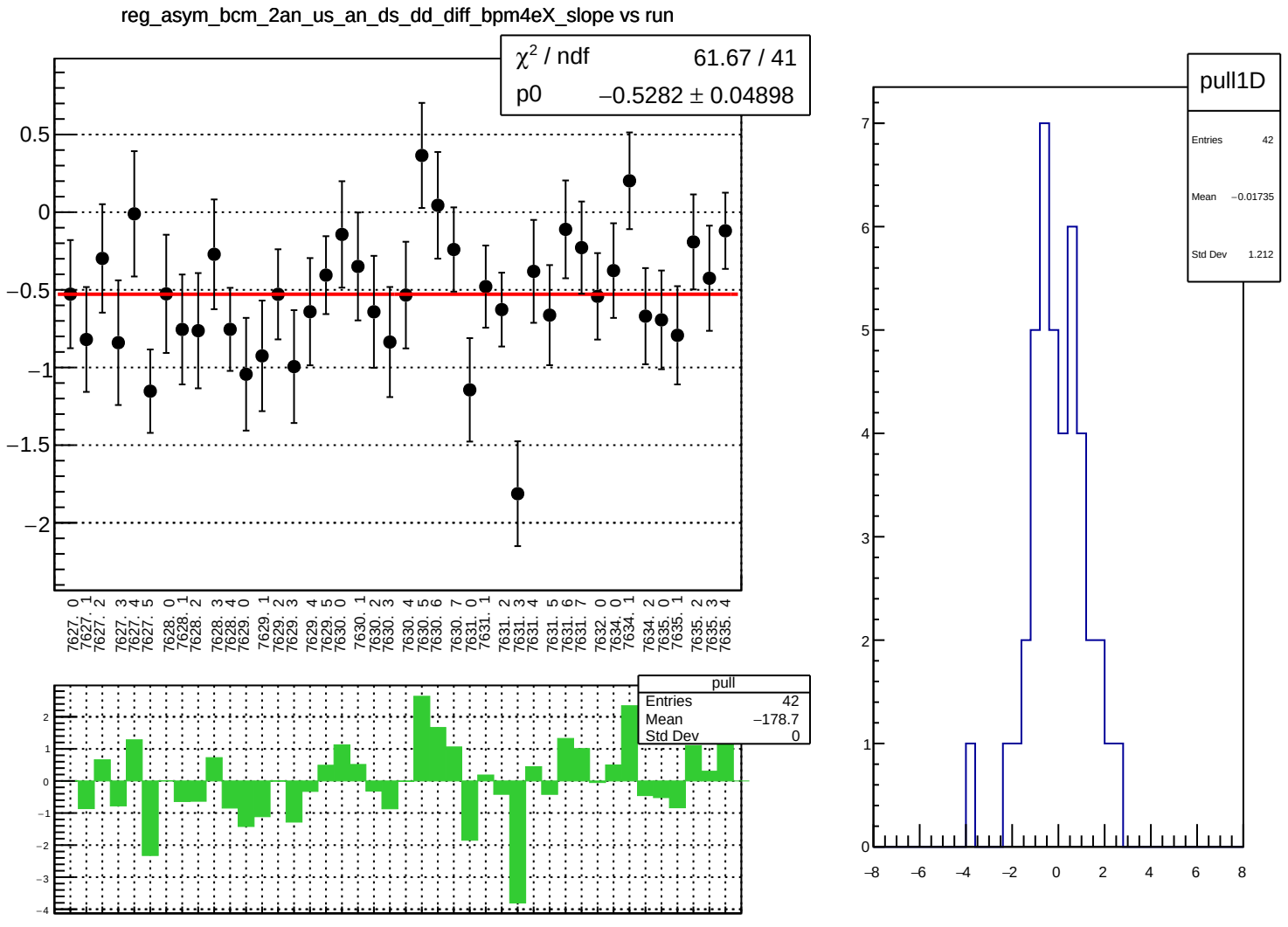

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 66.46 / 41
p0 0.1939 ± 0.02373
pull
Entries 42
Mean −61.8
Std Dev 0
pull1D
Entries 42
Mean 0.03372
Std Dev 1.258

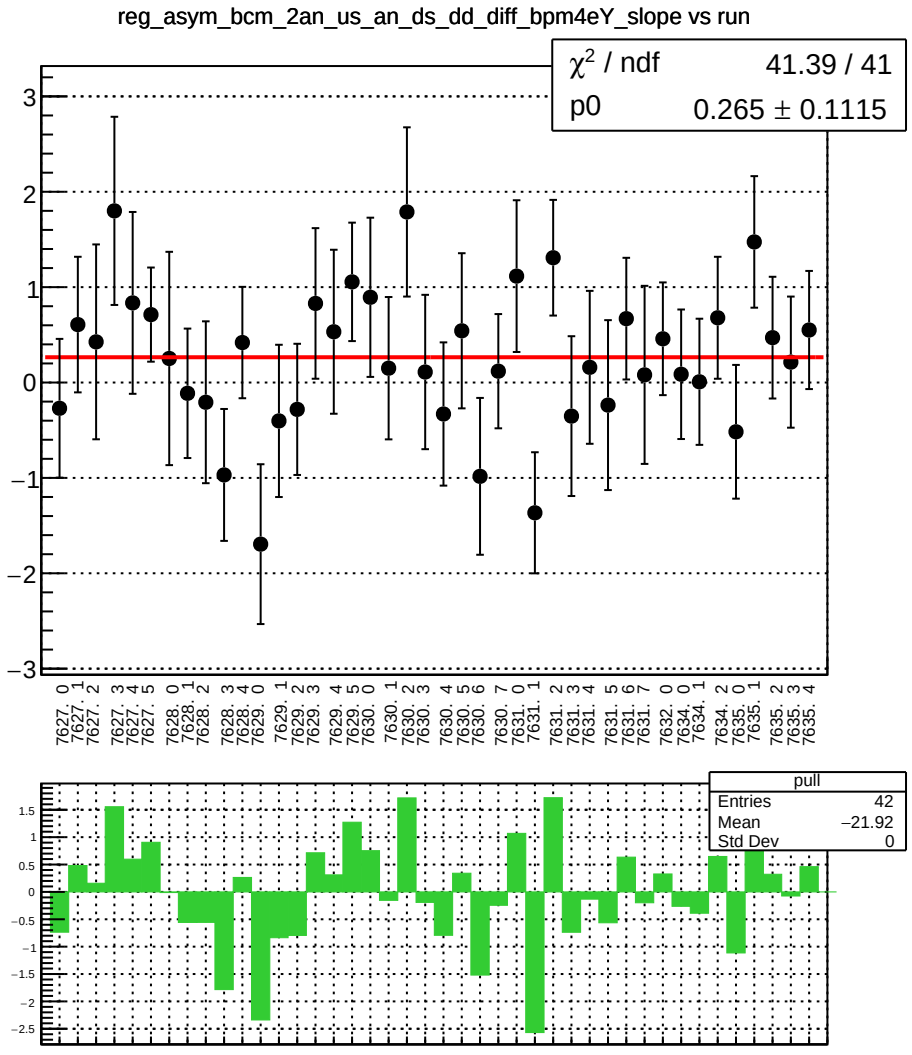

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 60.97 / 41
p0 0.6043 ± 0.06126
pull
Entries 42
Mean −302.6
Std Dev 0

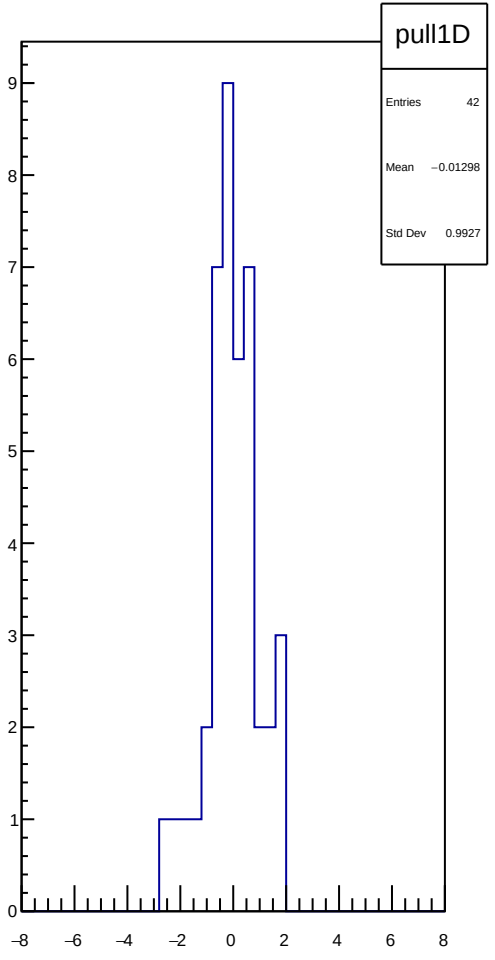

pull1D
Entries 42
Mean 0.01113
Std Dev 1.205

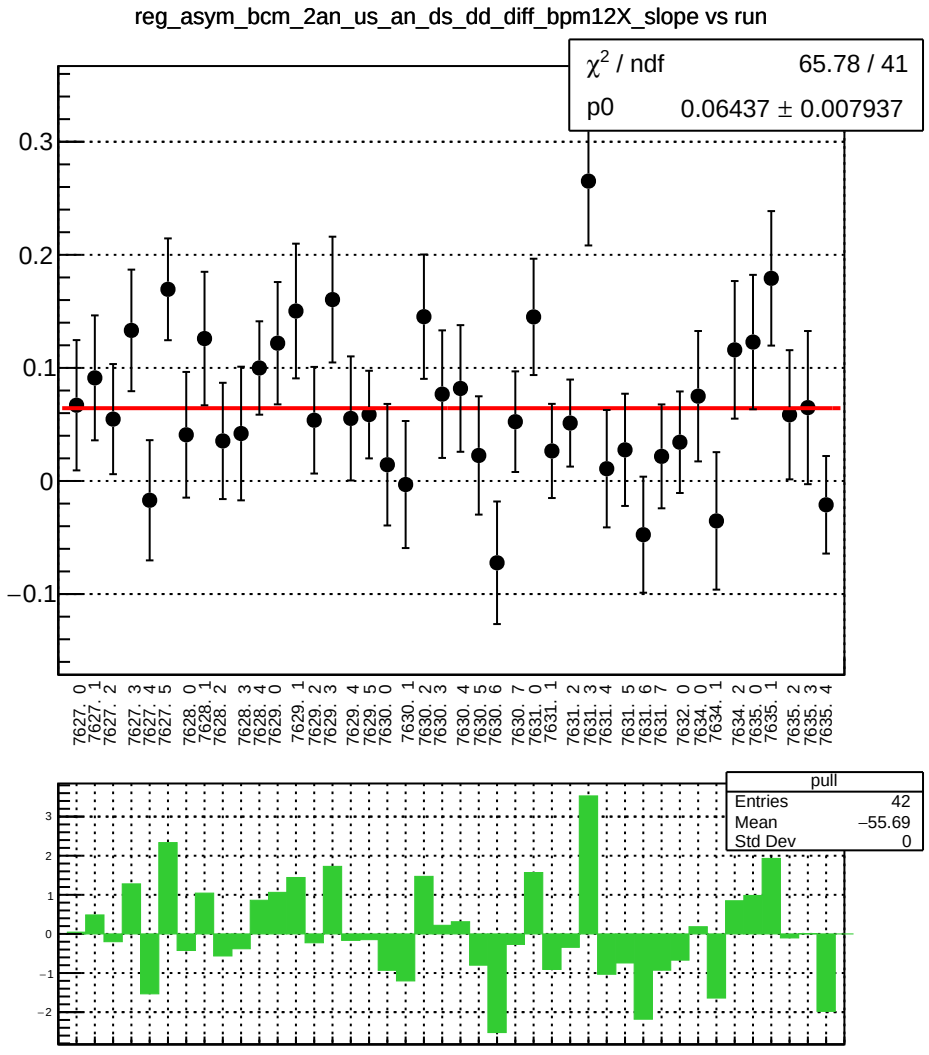

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.42 / 41
p0 −0.3016 ± 0.07601
pull
Entries 42
Mean −12.52
Std Dev 0

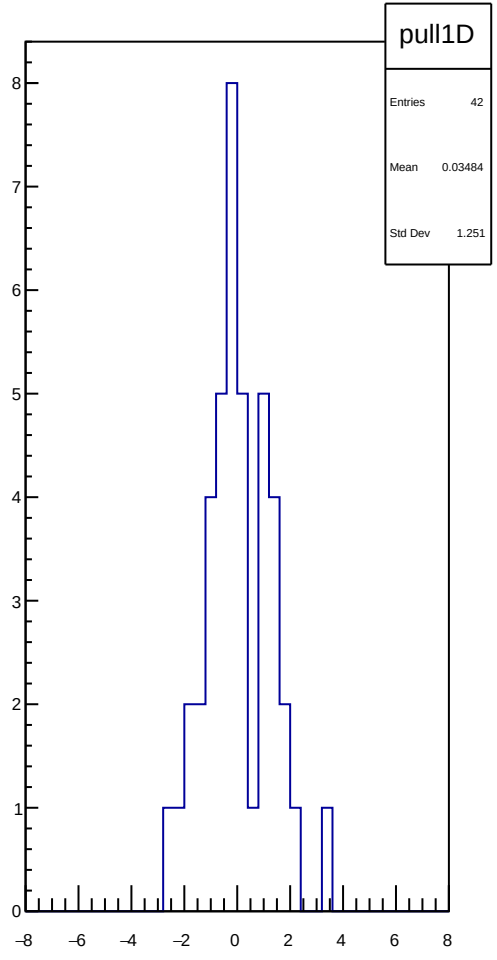

pull1D
Entries 42
Mean 0.01486
Std Dev 1.005

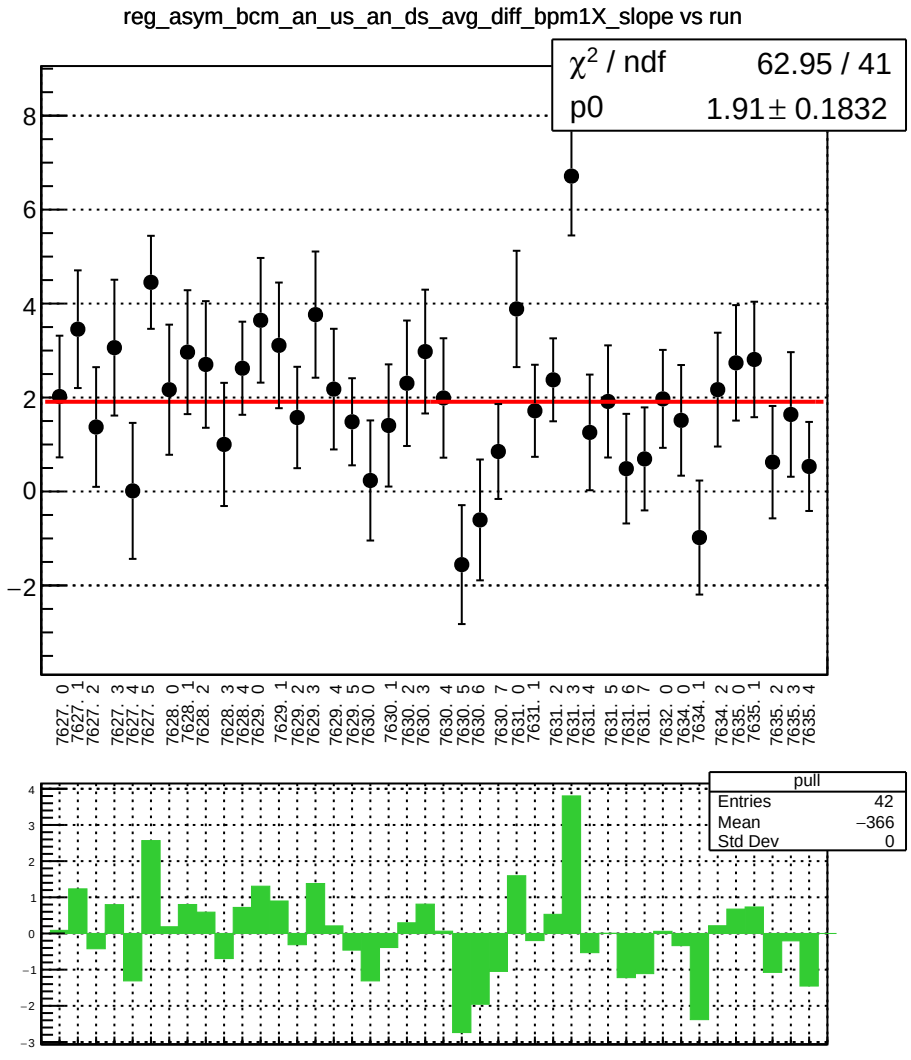

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.67 / 41
p0 −0.5282 ± 0.04898
pull
Entries 42
Mean −178.7
Std Dev 0
pull1D
Entries 42
Mean −0.01735
Std Dev 1.212

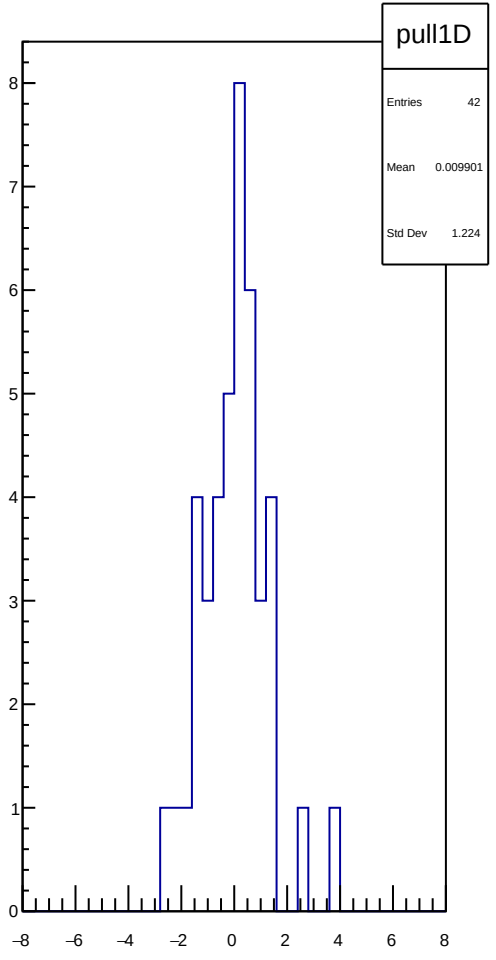

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.39 / 41
p0 0.265 ± 0.1115
pull
Entries 42
Mean −21.92
Std Dev 0

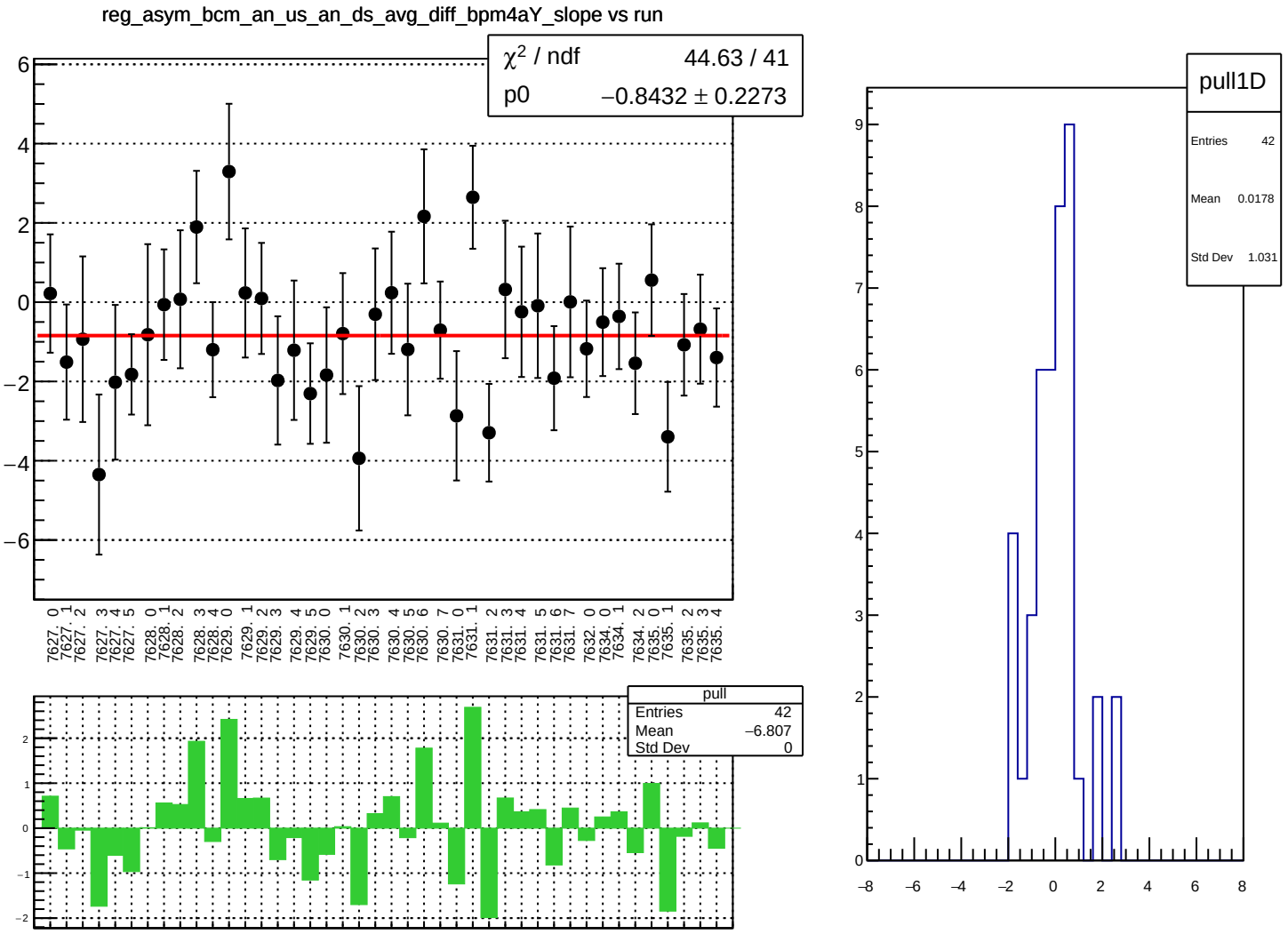

pull1D
Entries 42
Mean −0.01298
Std Dev 0.9927

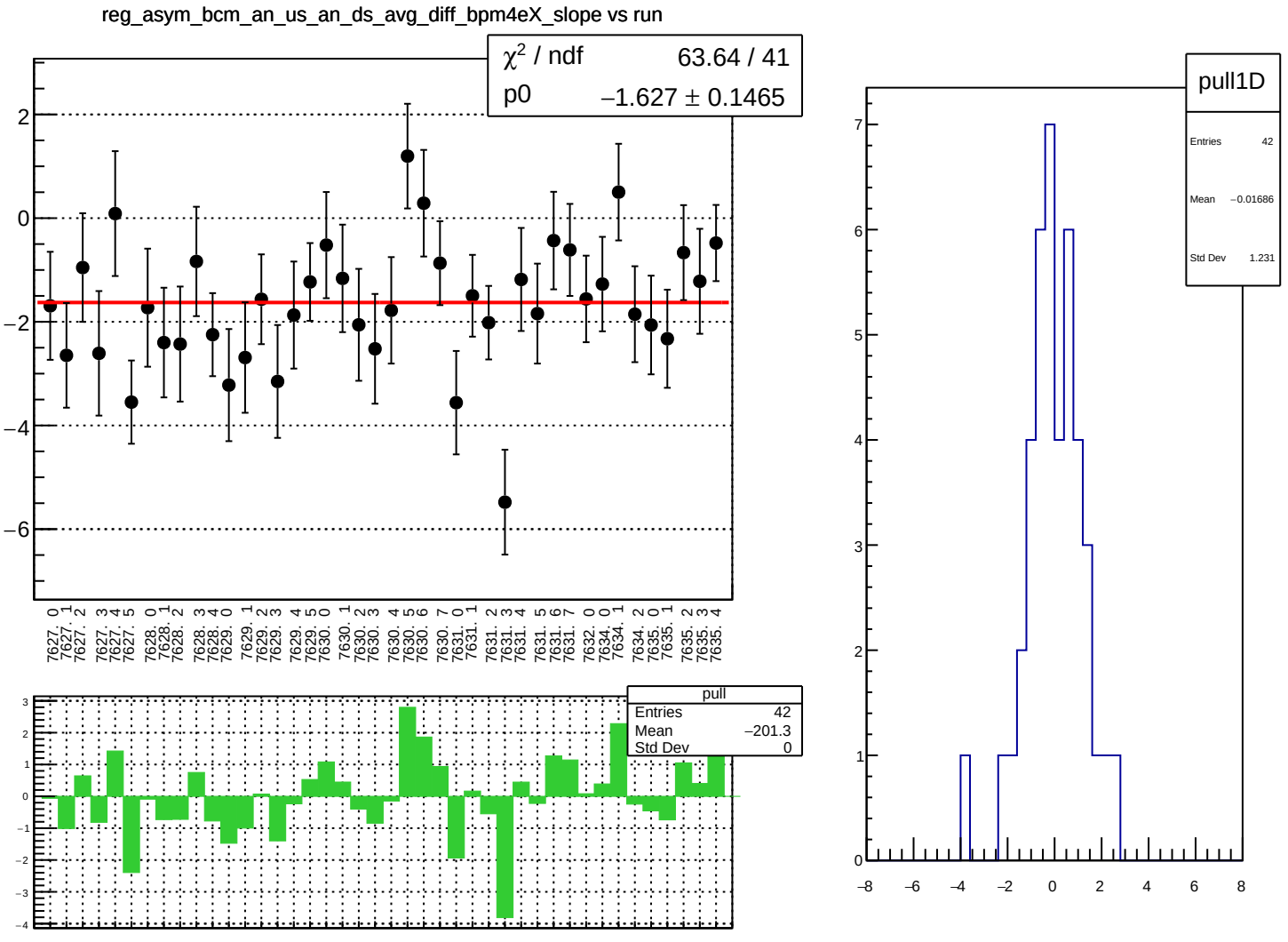

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 65.78 / 41
p0 0.06437 ± 0.007937
pull
Entries 42
Mean −55.69
Std Dev 0

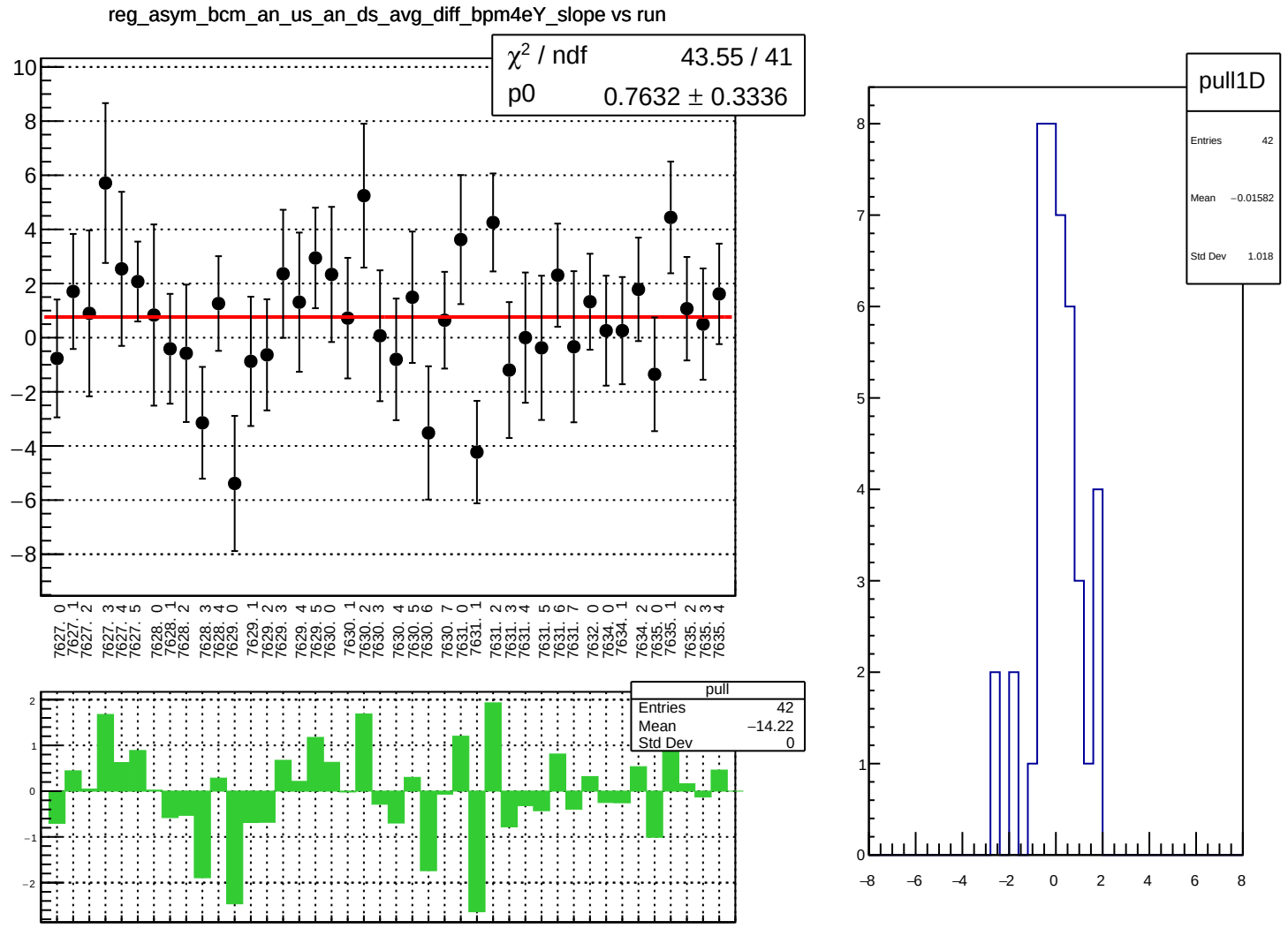

pull1D
Entries 42
Mean 0.03484
Std Dev 1.251

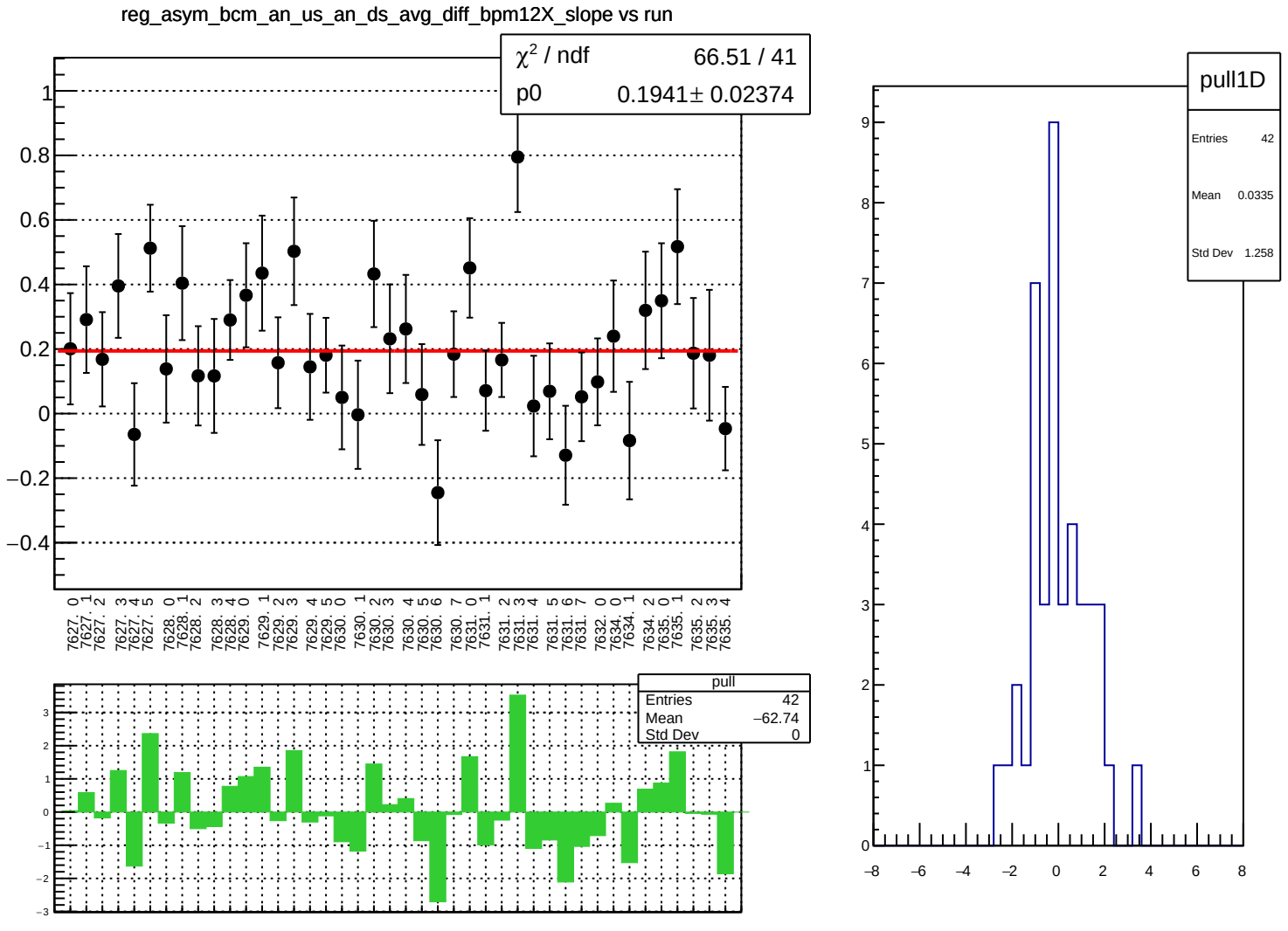

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 62.95 / 41
p0 1.91 ± 0.1832
pull
Entries 42
Mean −366
Std Dev 0

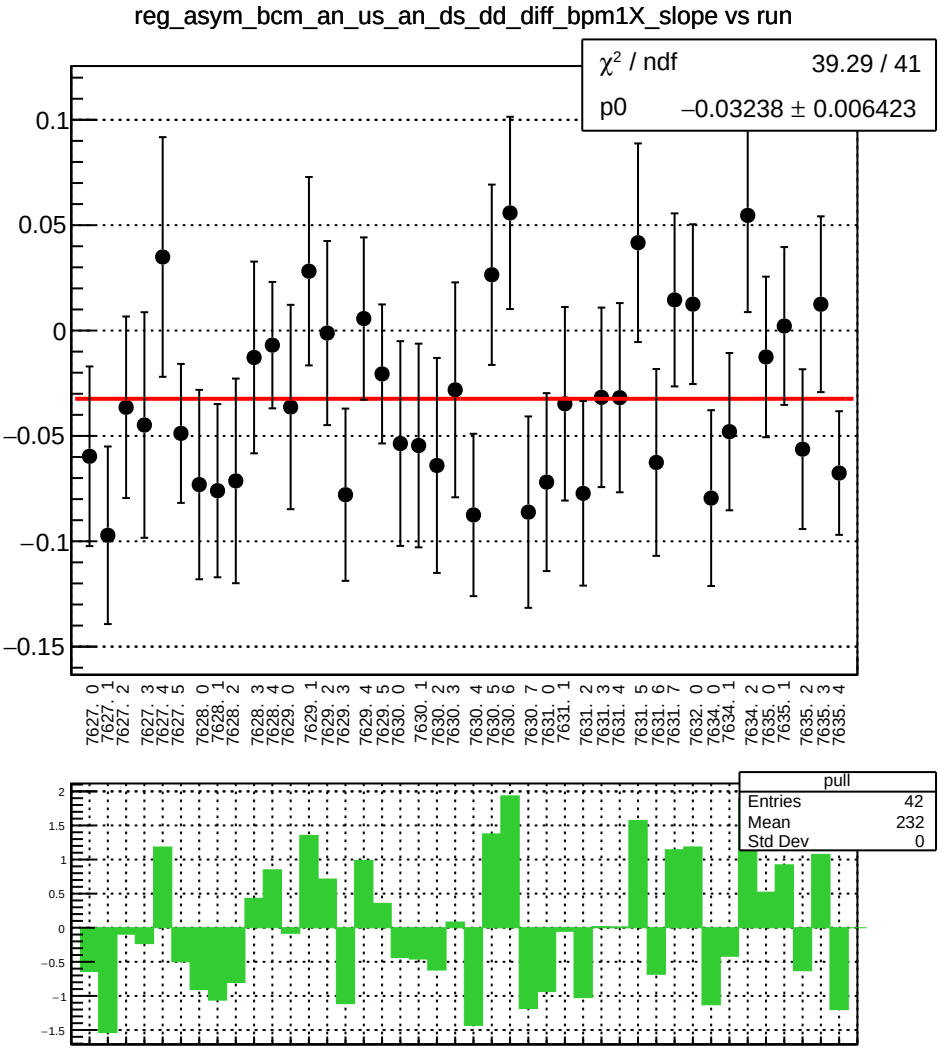

pull1D
Entries 42
Mean 0.009901
Std Dev 1.224

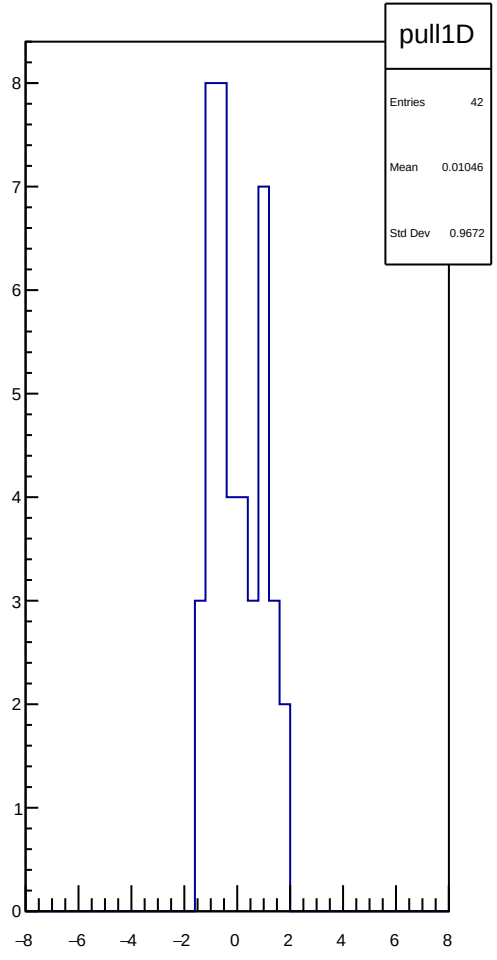

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.63 / 41
p0 −0.8432 ± 0.2273
pull
Entries 42
Mean −6.807
Std Dev 0
pull1D
Entries 42
Mean 0.0178
Std Dev 1.031

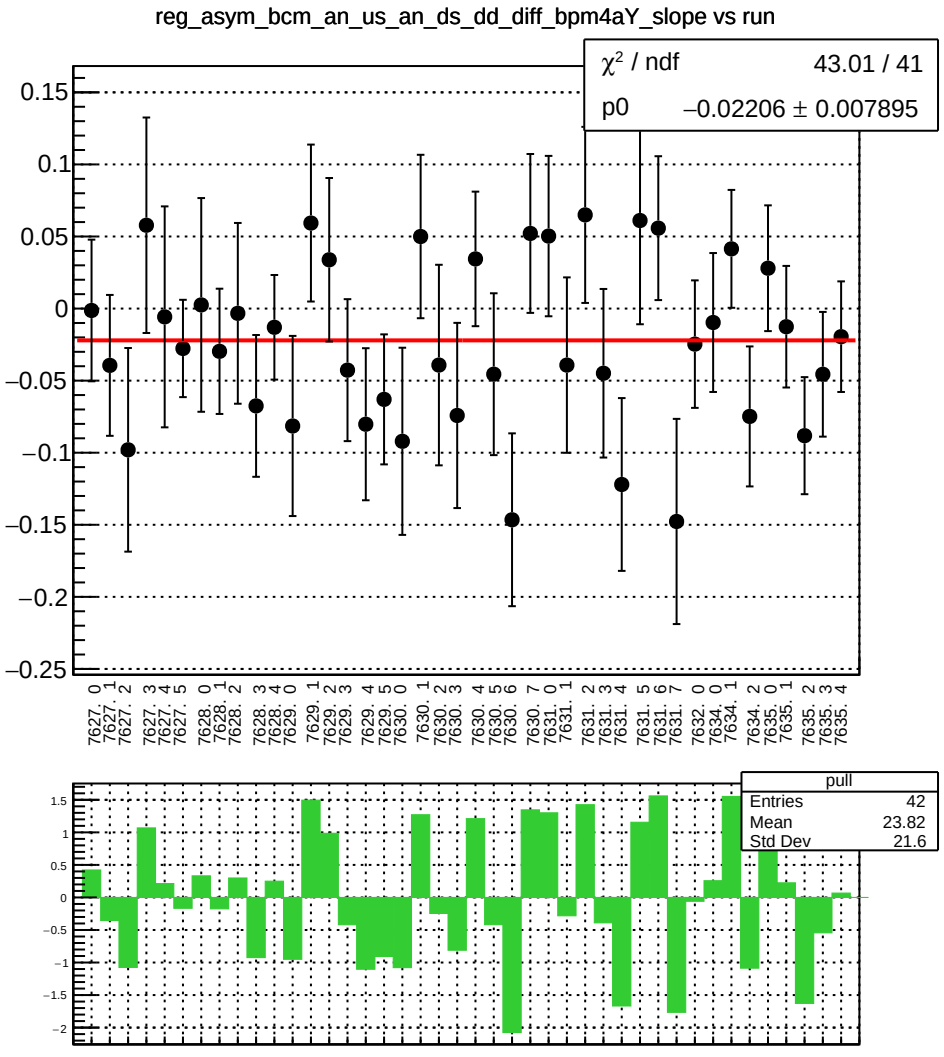

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.64 / 41
p0 −1.627 ± 0.1465
pull
Entries 42
Mean −201.3
Std Dev 0
pull1D
Entries 42
Mean −0.01686
Std Dev 1.231

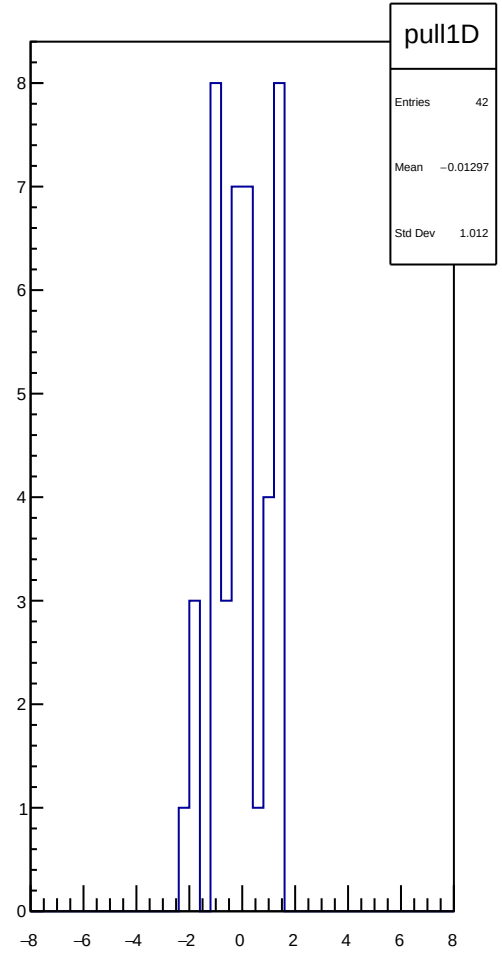

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.55 / 41
p0 0.7632 ± 0.3336
pull
Entries 42
Mean −14.22
Std Dev 0
pull1D
Entries 42
Mean −0.01582
Std Dev 1.018

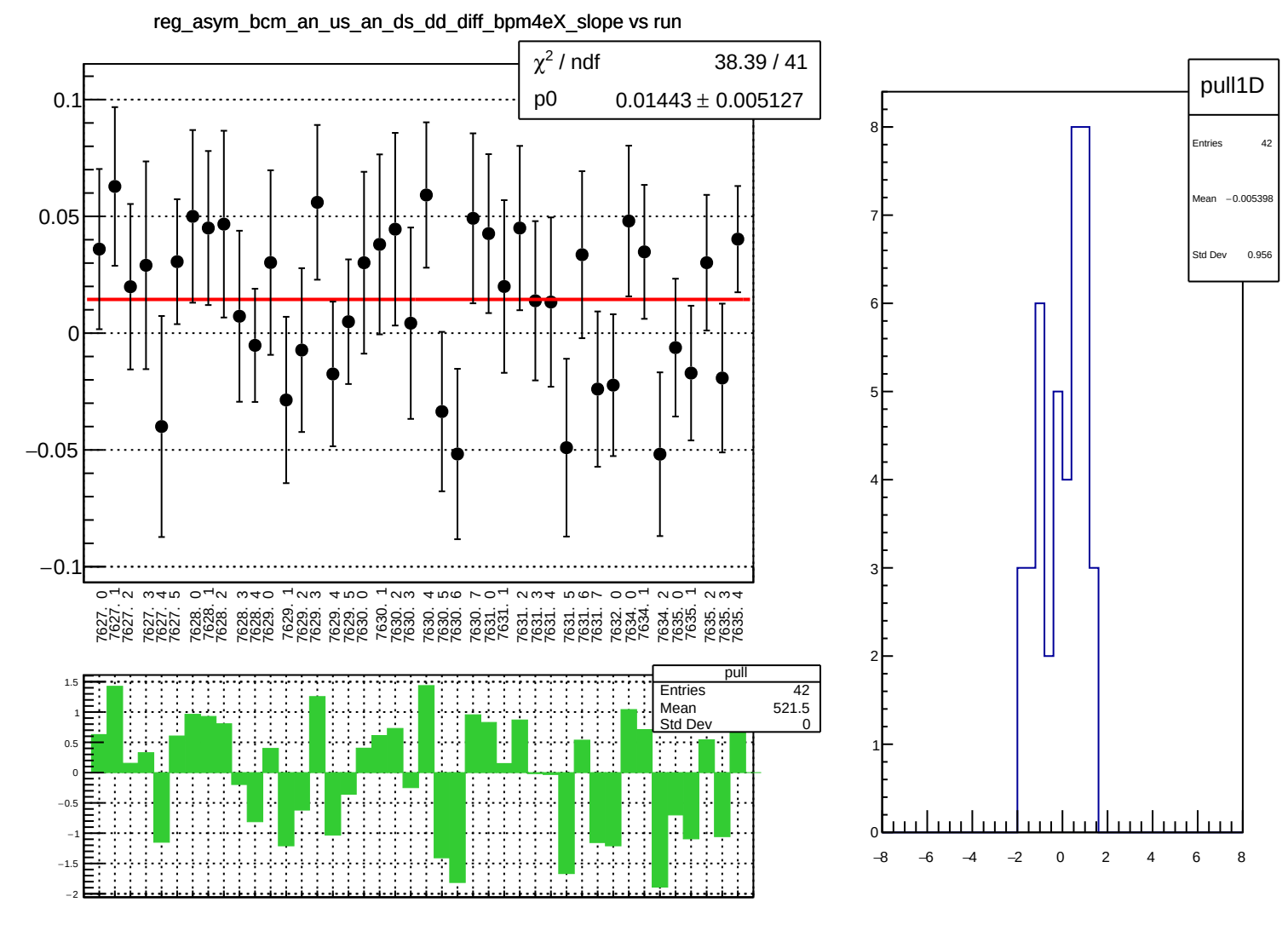

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 66.51 / 41
p0 0.1941± 0.02374
pull
Entries 42
Mean −62.74
Std Dev 0
pull1D
Entries 42
Mean 0.0335
Std Dev 1.258

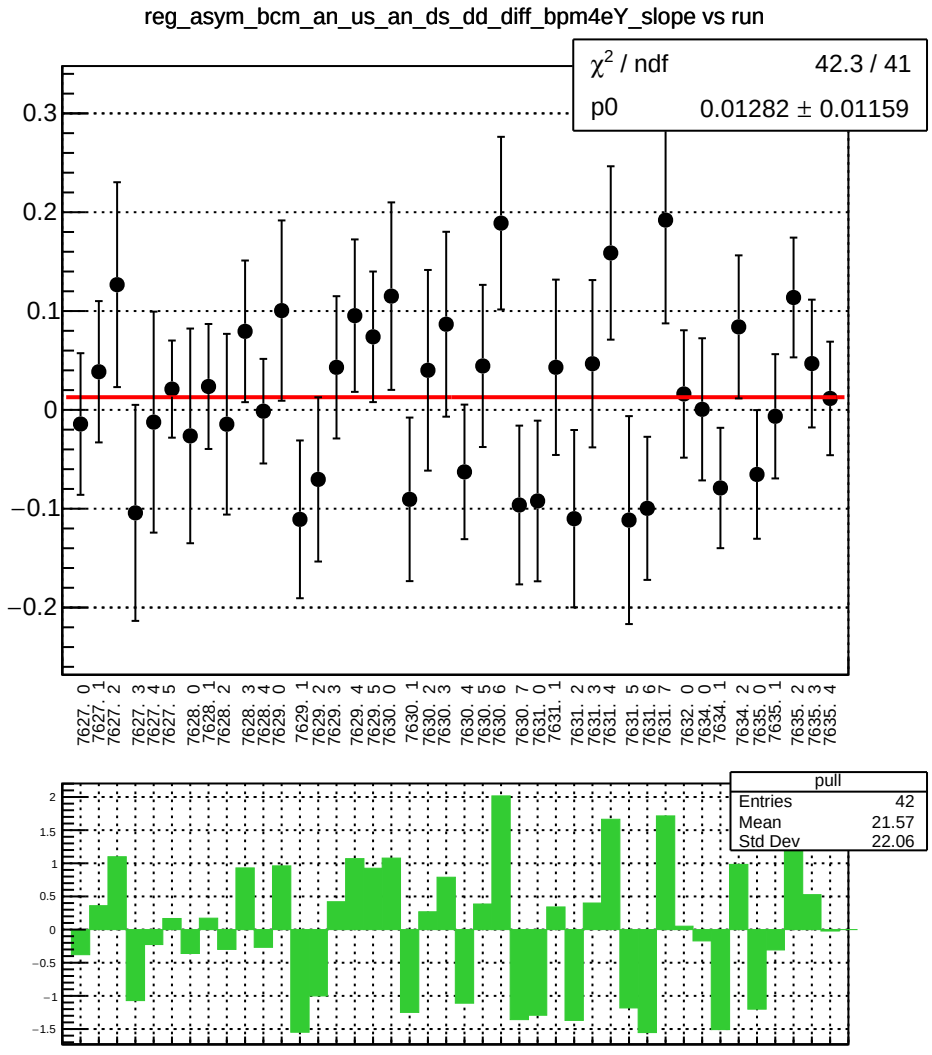

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 39.29 / 41
p0 −0.03238 ± 0.006423
0.1
0.05
0
−0.05
−0.1
−0.15
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 232
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

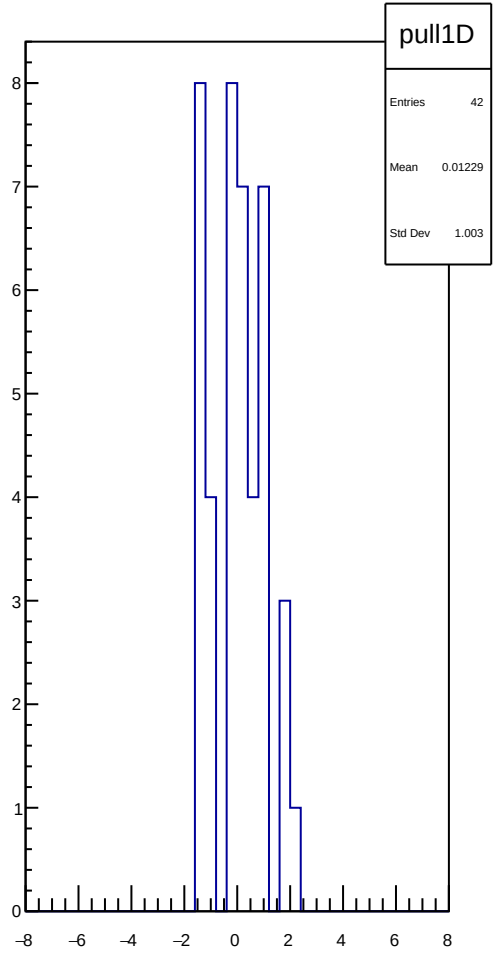

pull1D
Entries 42
Mean 0.01046
Std Dev 0.9672
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

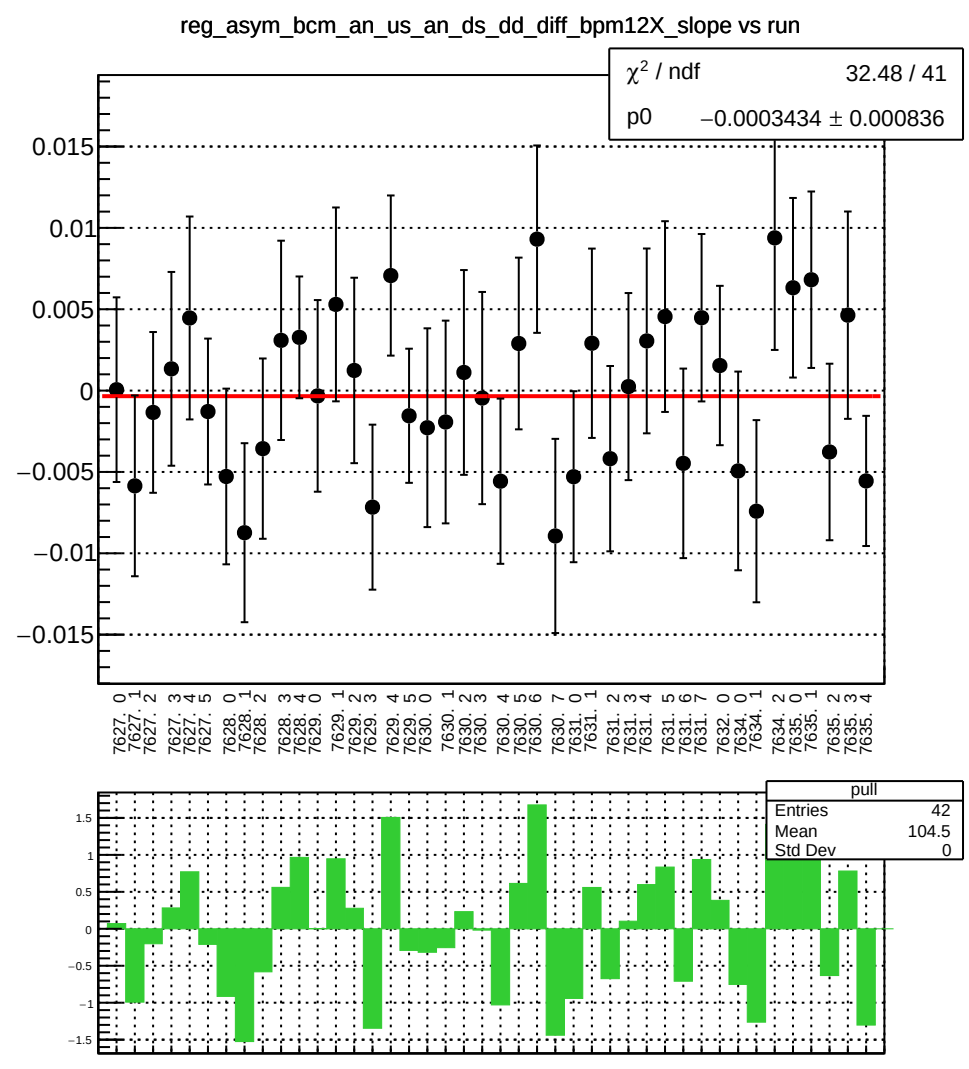

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.01 / 41
p0 −0.02206 ± 0.007895
pull
Entries 42
Mean 23.82
Std Dev 21.6

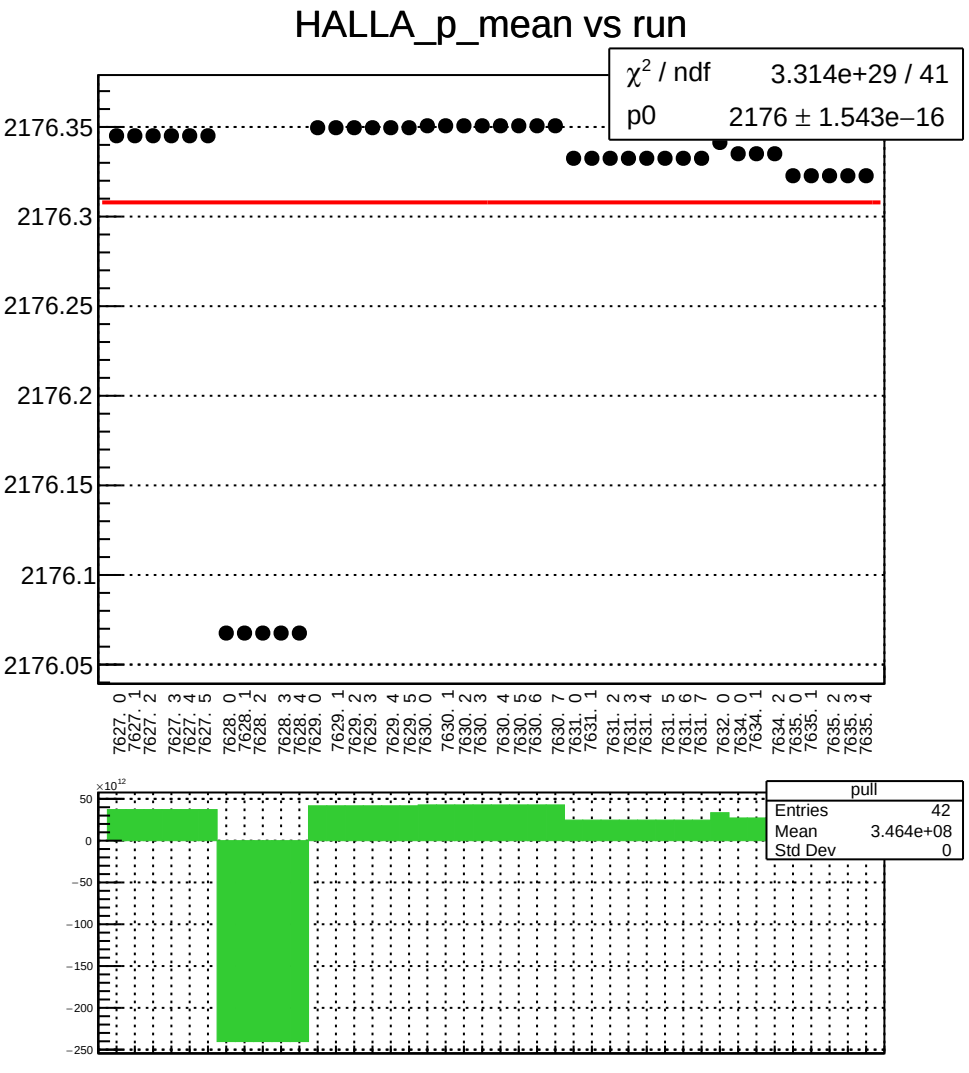

pull1D
Entries 42
Mean −0.01297
Std Dev 1.012

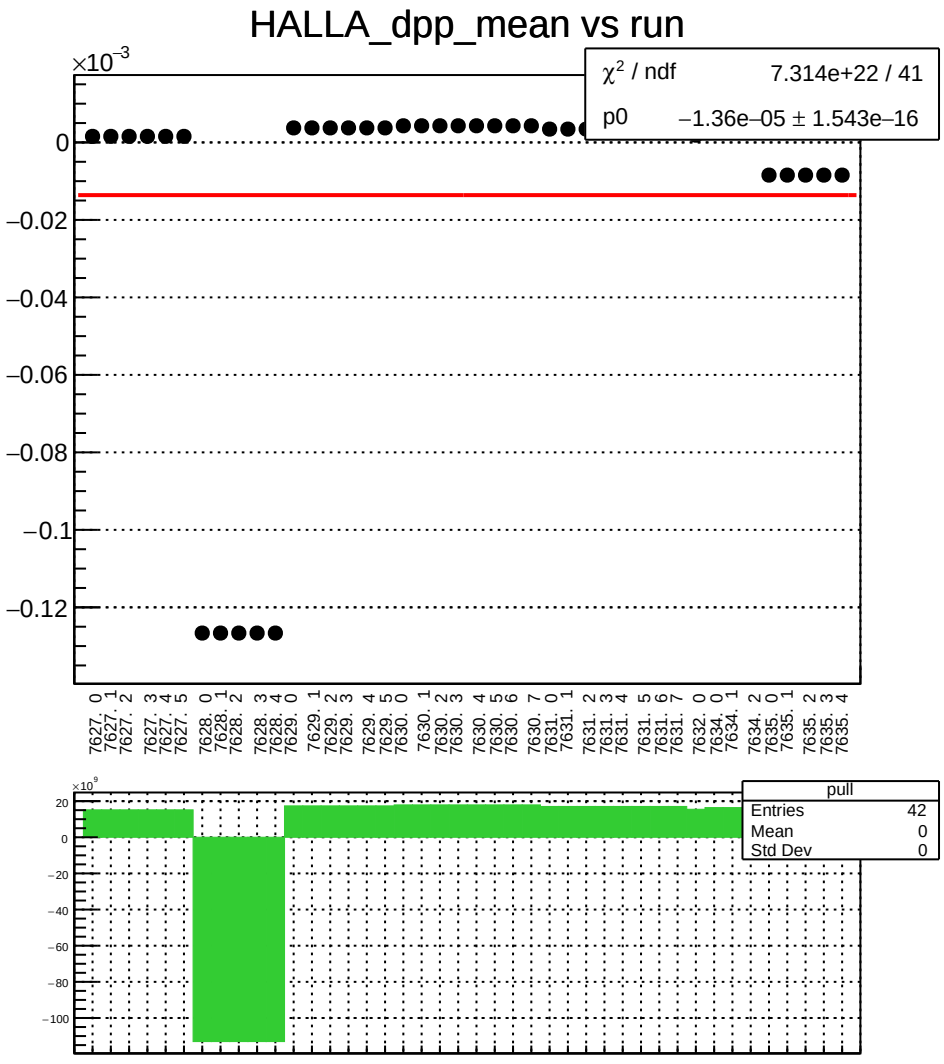

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.39 / 41
p0 0.01443 ± 0.005127
0.1
0.05
0
−0.05
−0.1
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 521.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 42
Mean −0.005398
Std Dev 0.956
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

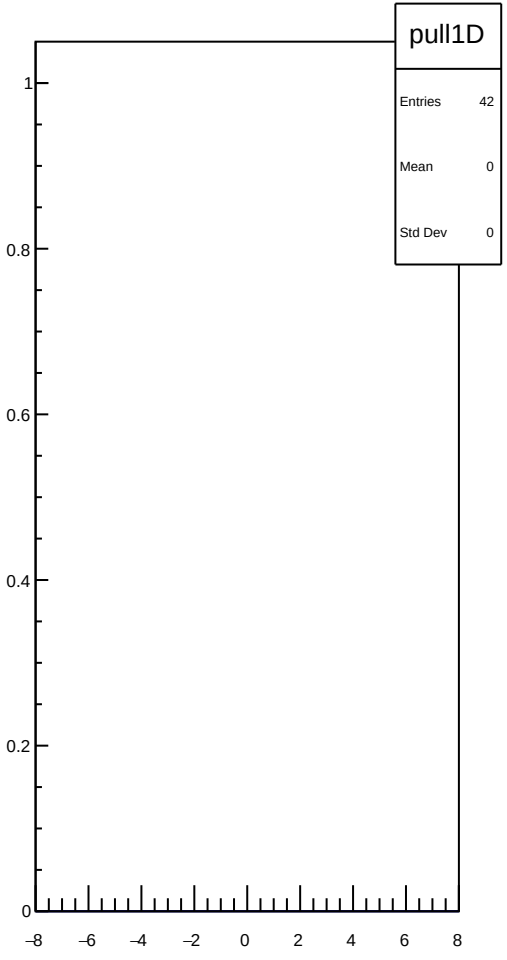

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.3 / 41
p0 0.01282 ± 0.01159
pull
Entries 42
Mean 21.57
Std Dev 22.06

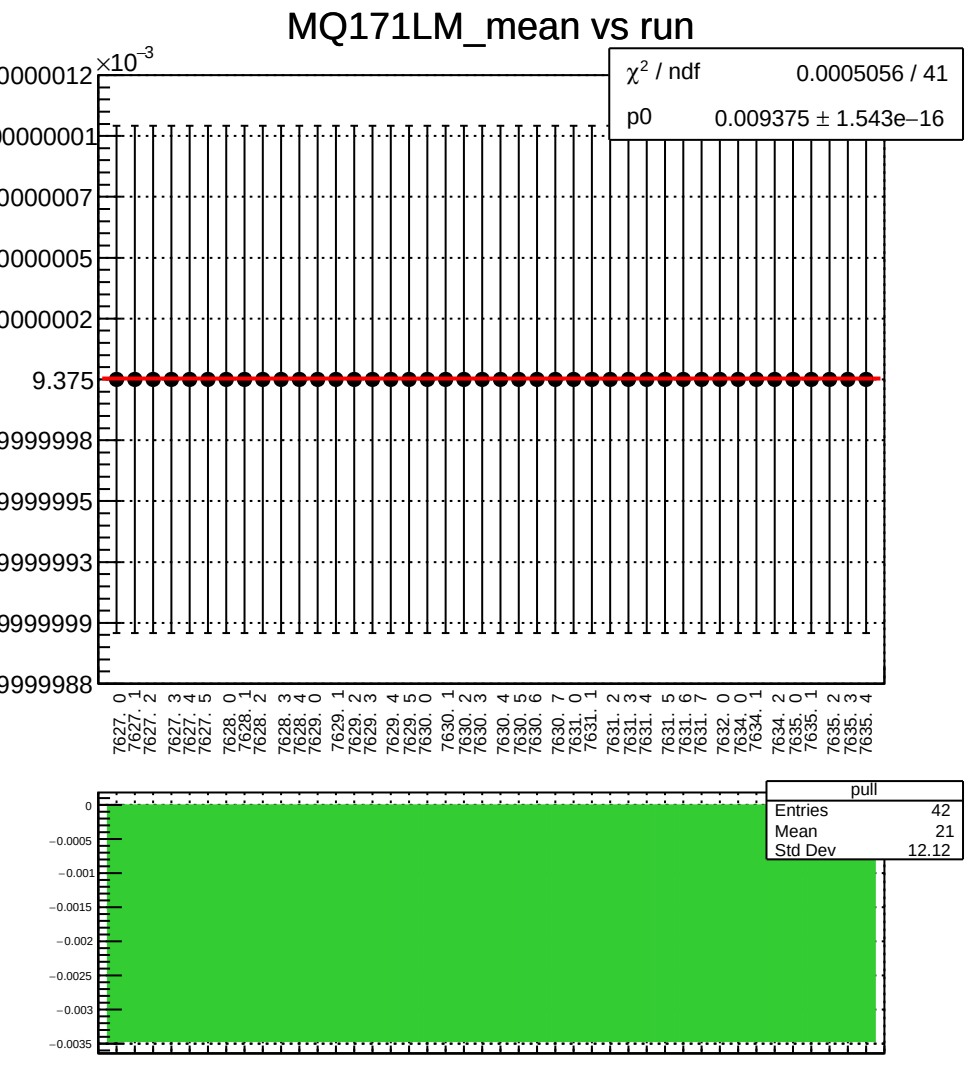

pull1D
Entries 42
Mean 0.01229
Std Dev 1.003

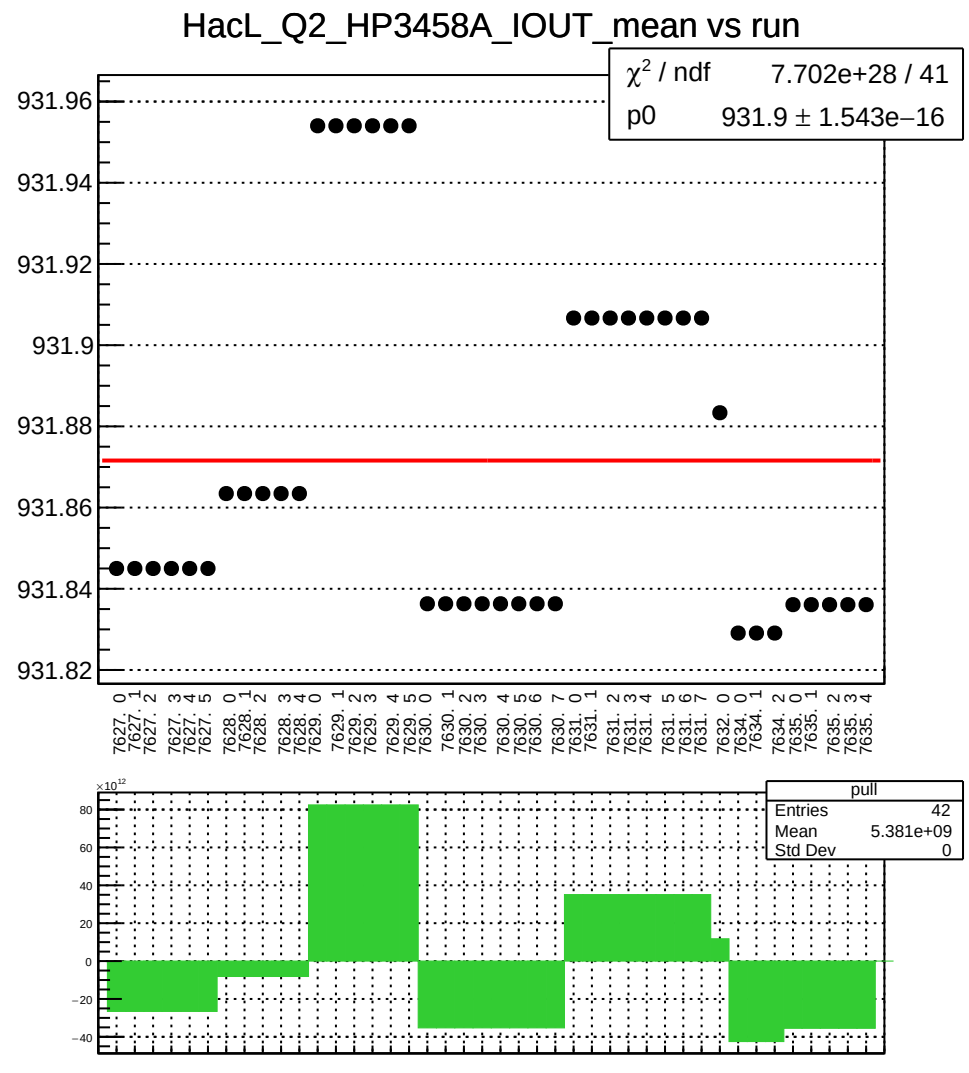

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 32.48 / 41
p0 −0.0003434 ± 0.000836
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 104.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 42
Mean 0.0154
Std Dev 0.8793
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

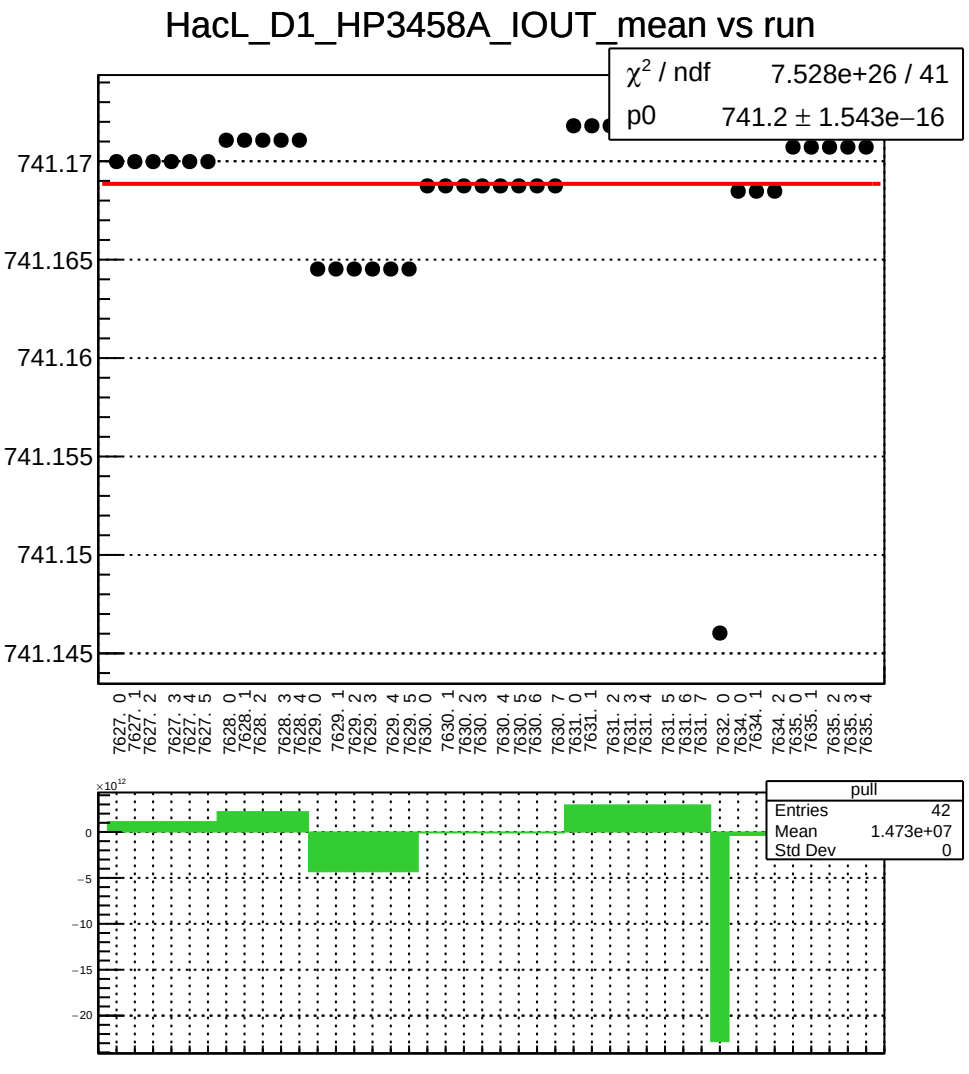

HALLA_p_mean vs run
χ² / ndf 3.314e+29 / 41
p0 2176 ± 1.543e−16
2176.35
2176.3
2176.25
2176.2
2176.15
2176.1
2176.05
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10¹²
50
0
−50
−100
−150
−200
−250
pull
Entries 42
Mean 3.464e+08
Std Dev 0
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

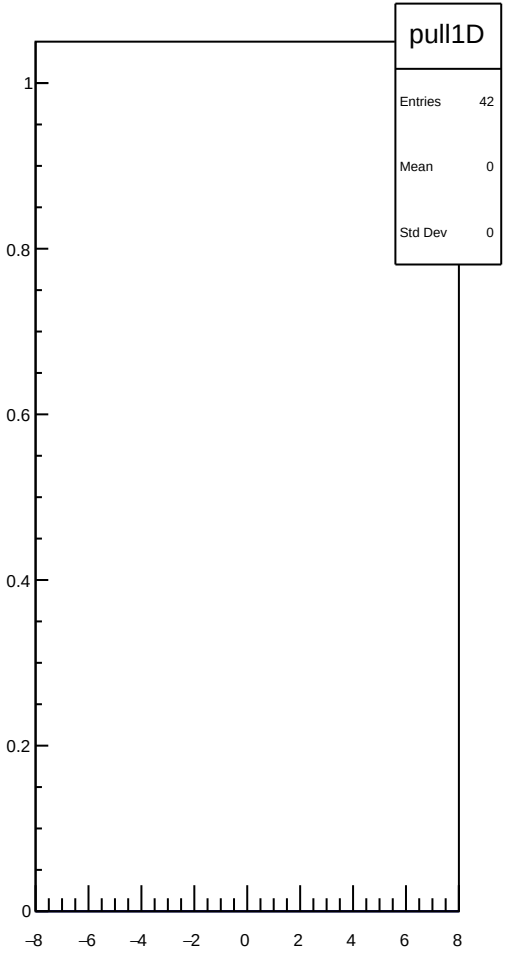

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 7.314e+22 / 41
p0 −1.36e−05 ± 1.543e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10⁹
20
0
−20
−40
−60
−80
−100
pull
Entries 42
Mean 0
Std Dev 0

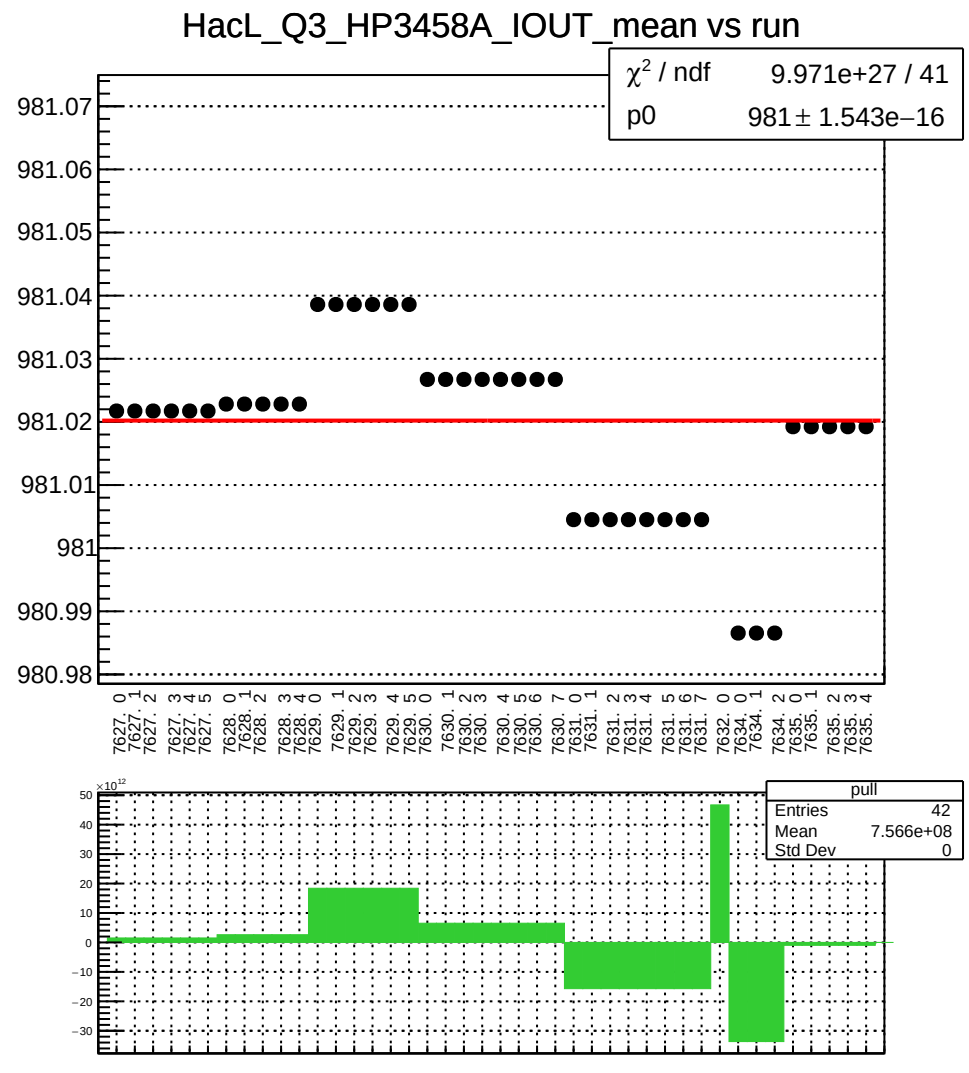

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

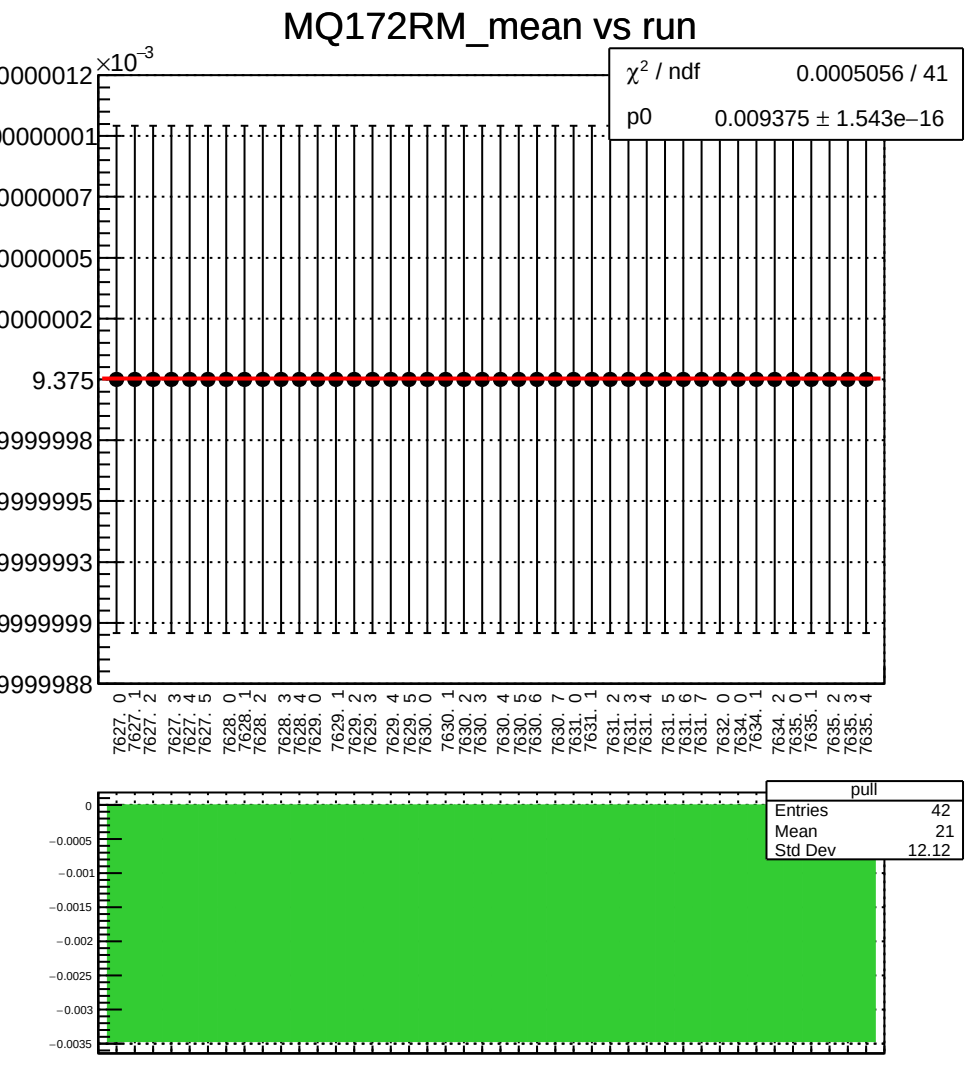

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0.0005056 / 41
p0 0.009375 ± 1.543e−16
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21
Std Dev 12.12
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
−0.003
−0.0035
pull1D
Entries 42
Mean −0.003469
Std Dev 0
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

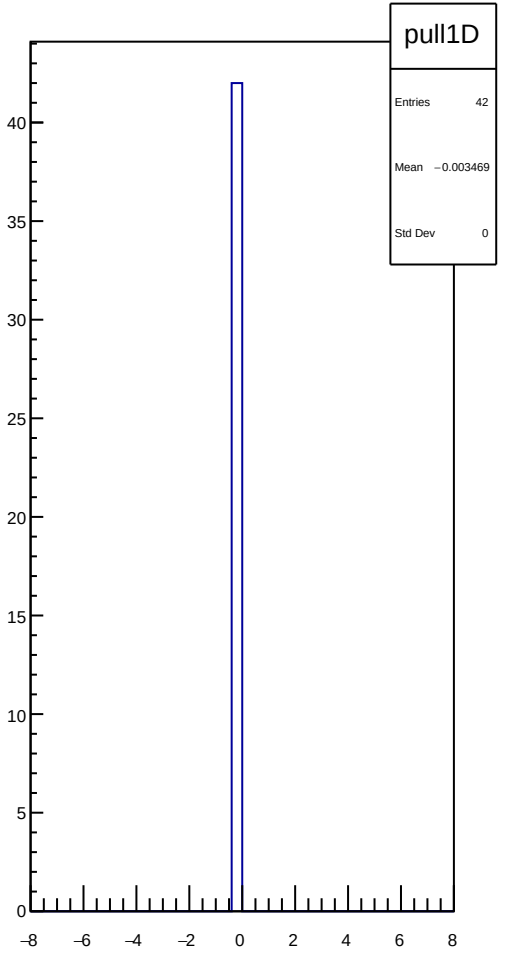

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 7.702e+28 / 41
p0 931.9 ± 1.543e−16
931.96
931.94
931.92
931.9
931.88
931.86
931.84
931.82
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10¹²
80
60
40
20
0
−20
−40
pull
Entries 42
Mean 5.381e+09
Std Dev 0
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

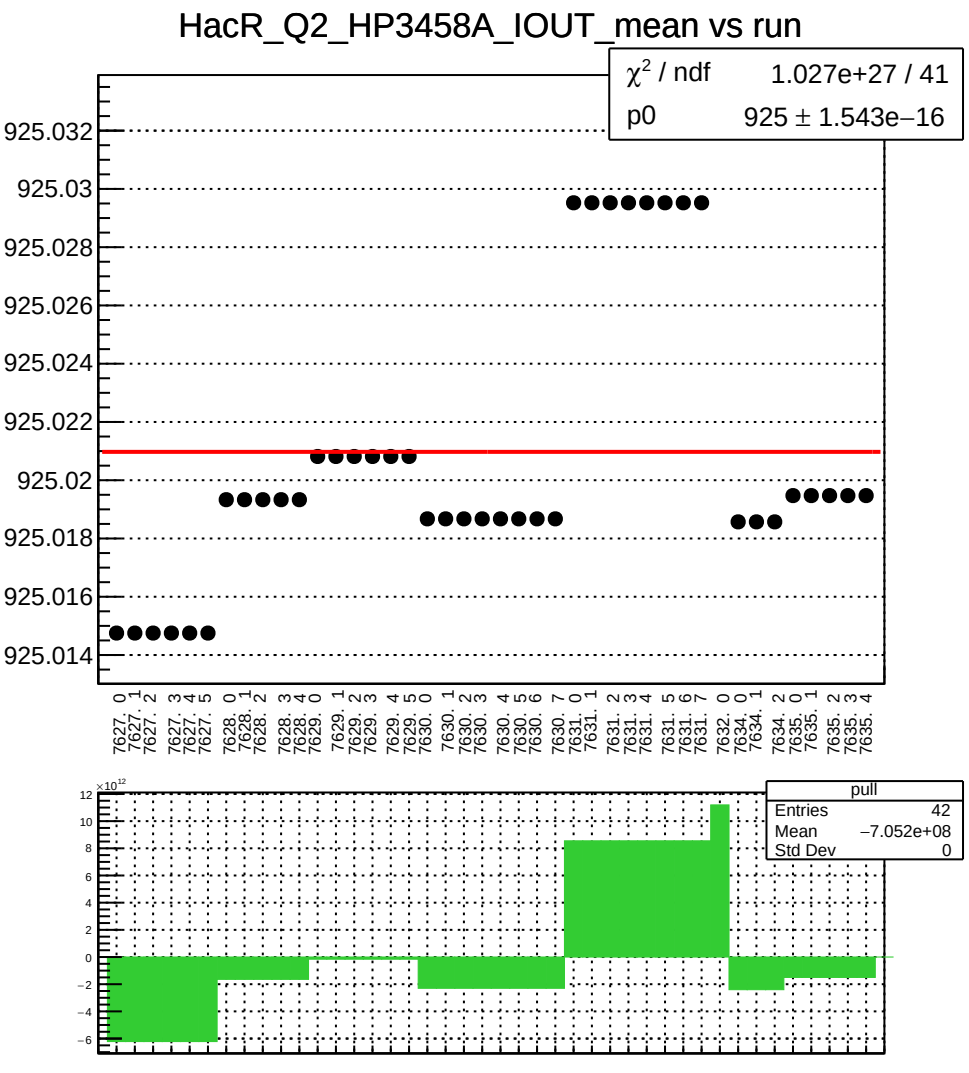

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 7.528e+26 / 41
p0 741.2 ± 1.543e−16
741.17
741.165
741.16
741.155
741.15
741.145
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10¹²
0
−5
−10
−15
−20
pull
Entries 42
Mean 1.473e+07
Std Dev 0

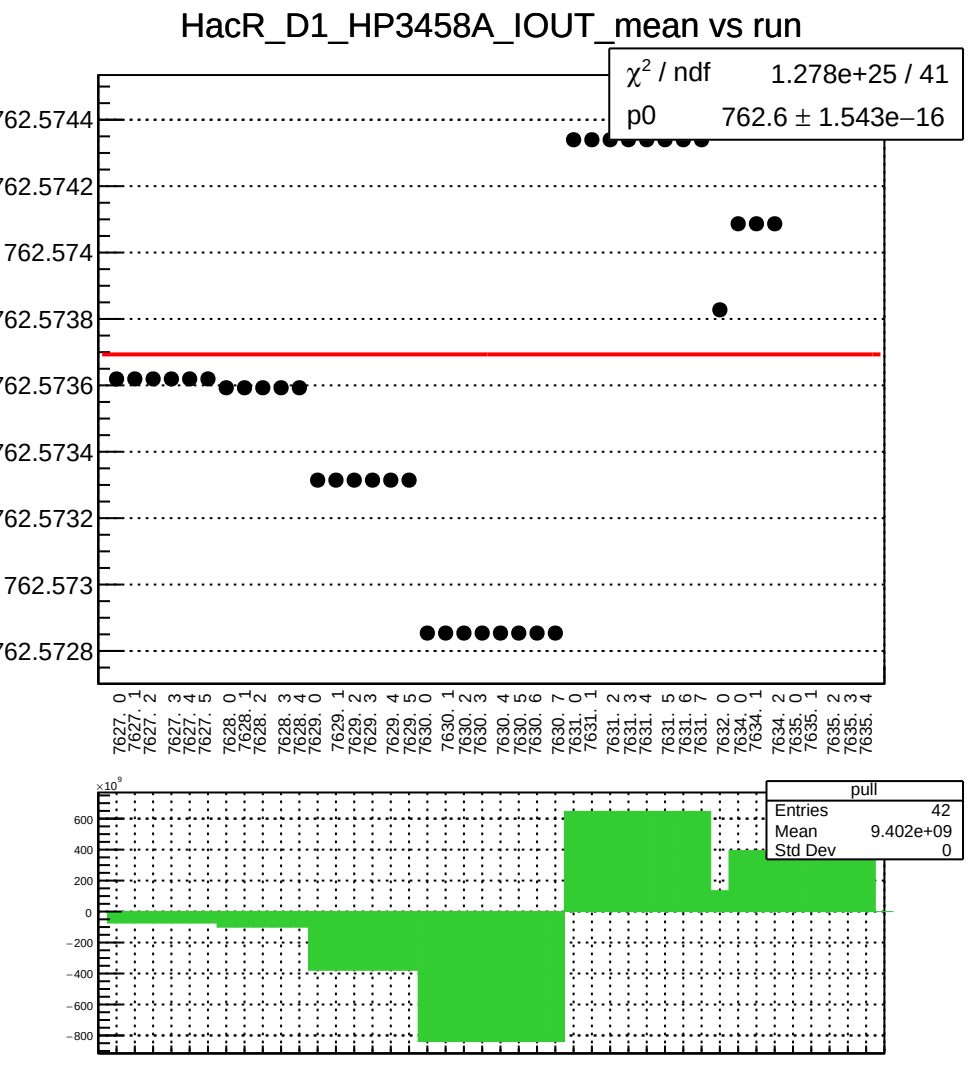

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

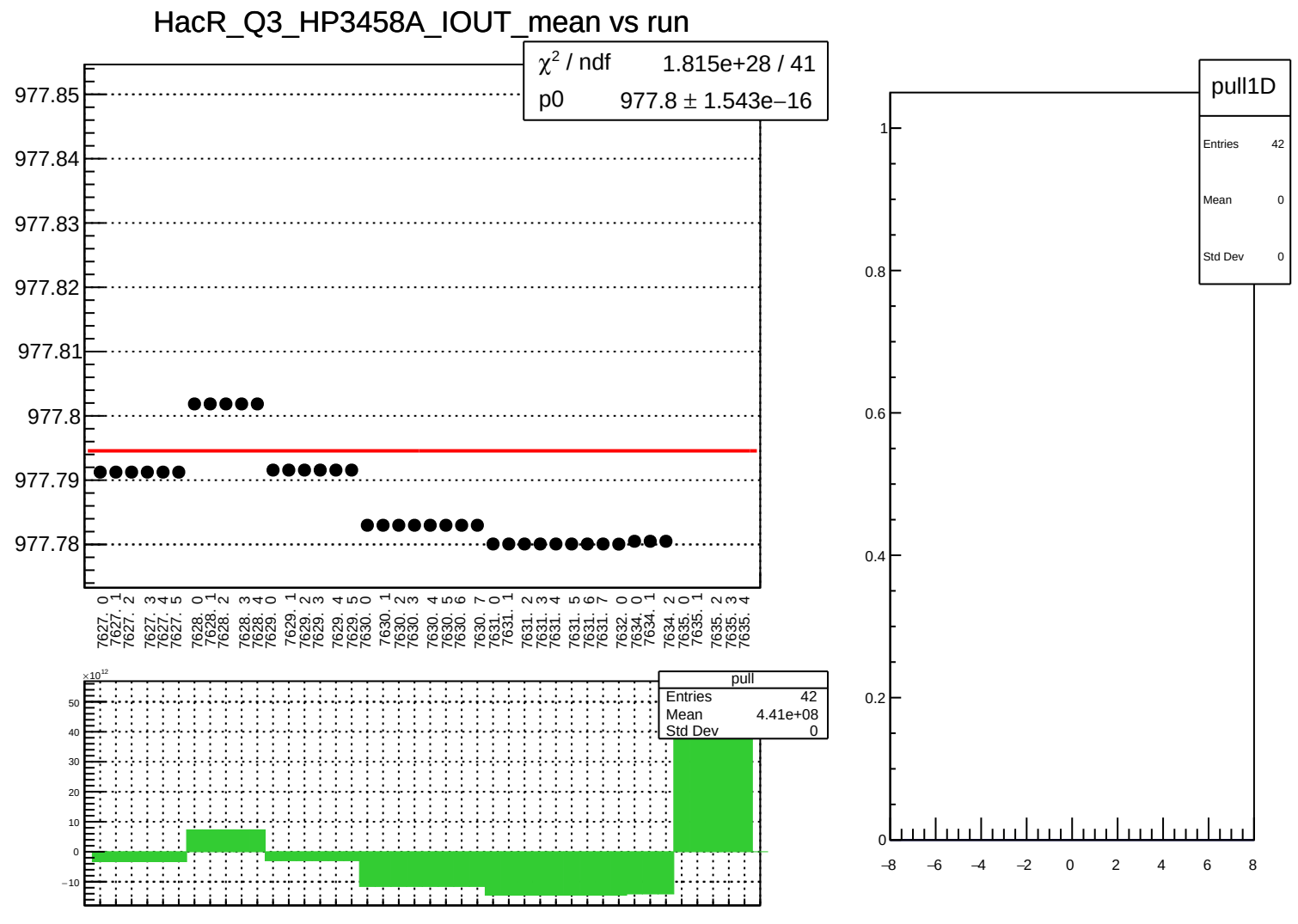

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 9.971e+27 / 41
p0 981 ± 1.543e−16
981.07
981.06
981.05
981.04
981.03
981.02
981.01
981
980.99
980.98
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10¹²
50
40
30
20
10
0
−10
−20
−30
pull
Entries 42
Mean 7.566e+08
Std Dev 0
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

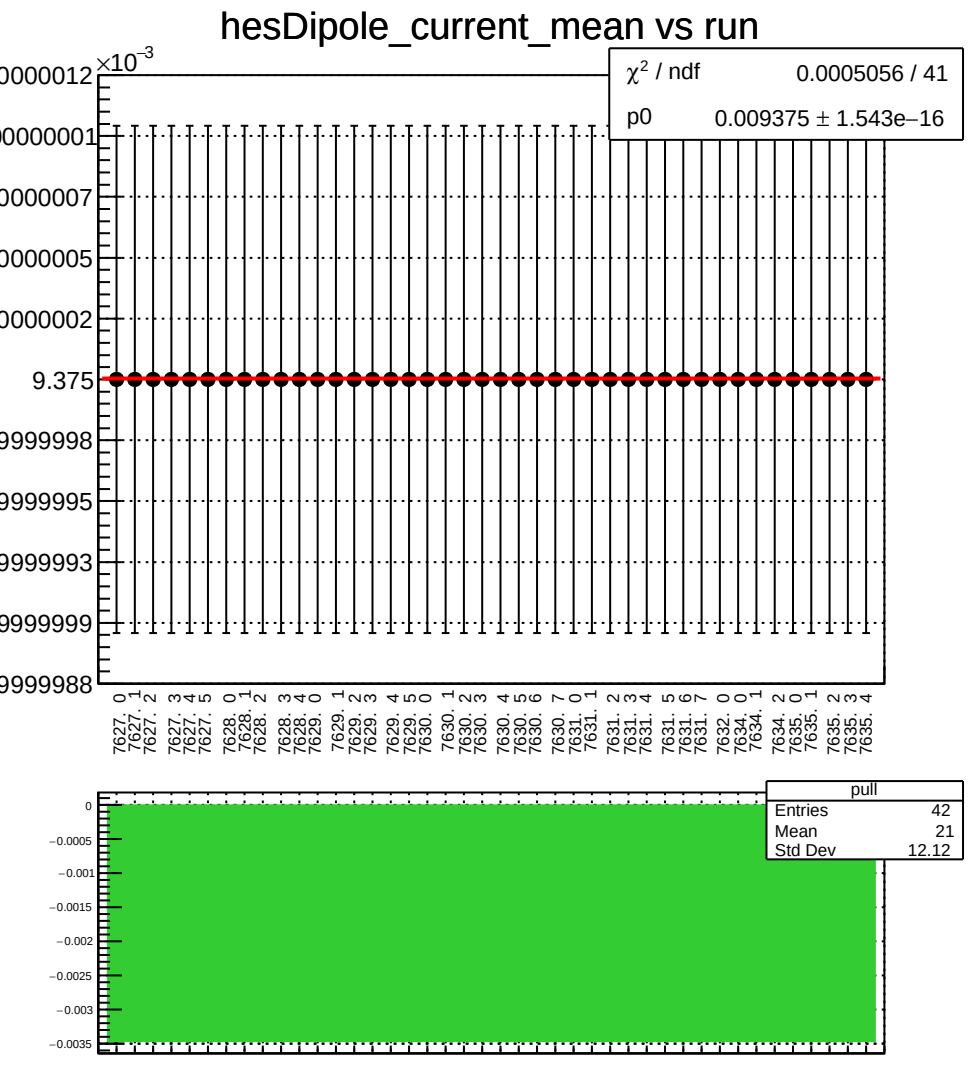

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0.0005056 / 41
p0 0.009375 ± 1.543e−16
pull
Entries 42
Mean 21
Std Dev 12.12

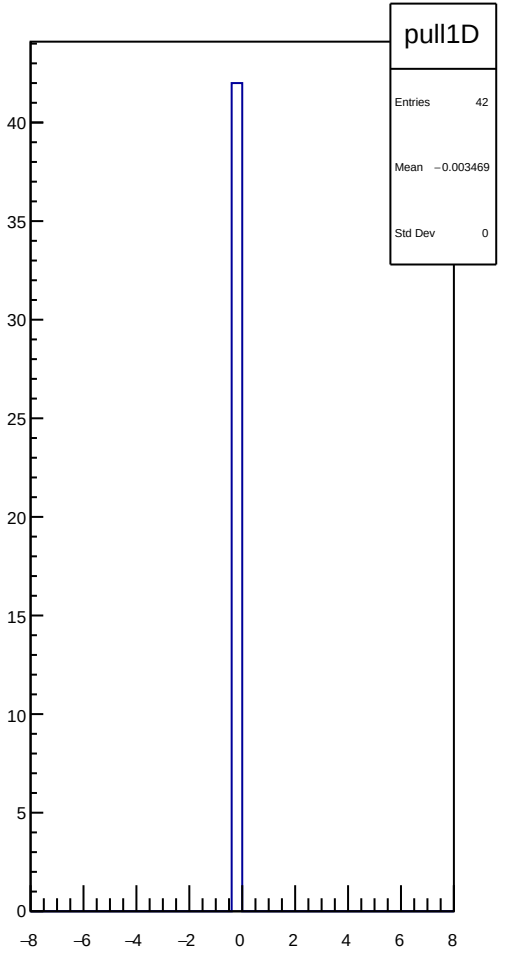

pull1D
Entries 42
Mean −0.003469
Std Dev 0

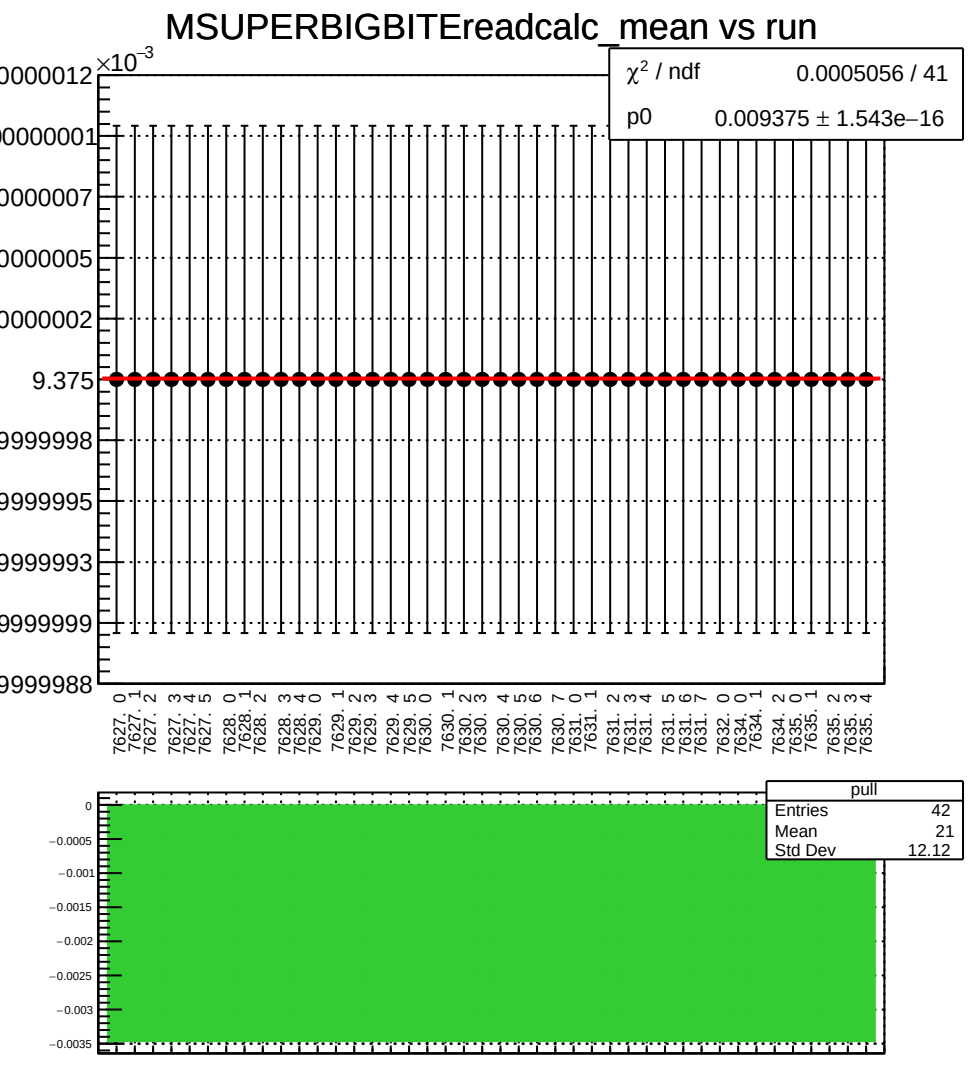

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.027e+27 / 41
p0 925 ± 1.543e−16
925.032
925.03
925.028
925.026
925.024
925.022
925.02
925.018
925.016
925.014
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10¹²
12
10
8
6
4
2
0
−2
−4
−6
pull
Entries 42
Mean −7.052e+08
Std Dev 0
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

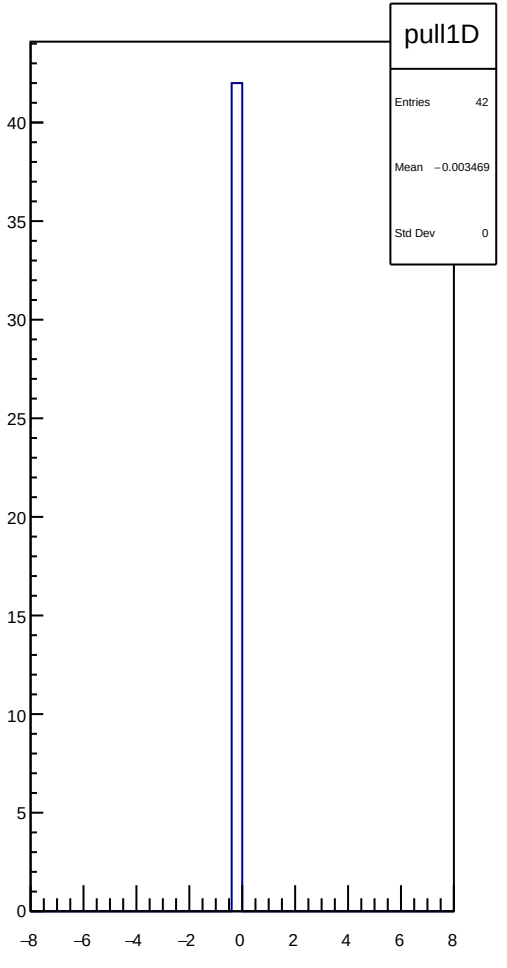

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.278e+25 / 41
p0 762.6 ± 1.543e−16
762.5744
762.5742
762.574
762.5738
762.5736
762.5734
762.5732
762.573
762.5728
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10⁹
600
400
200
0
−200
−400
−600
−800
pull
Entries 42
Mean 9.402e+09
Std Dev 0
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

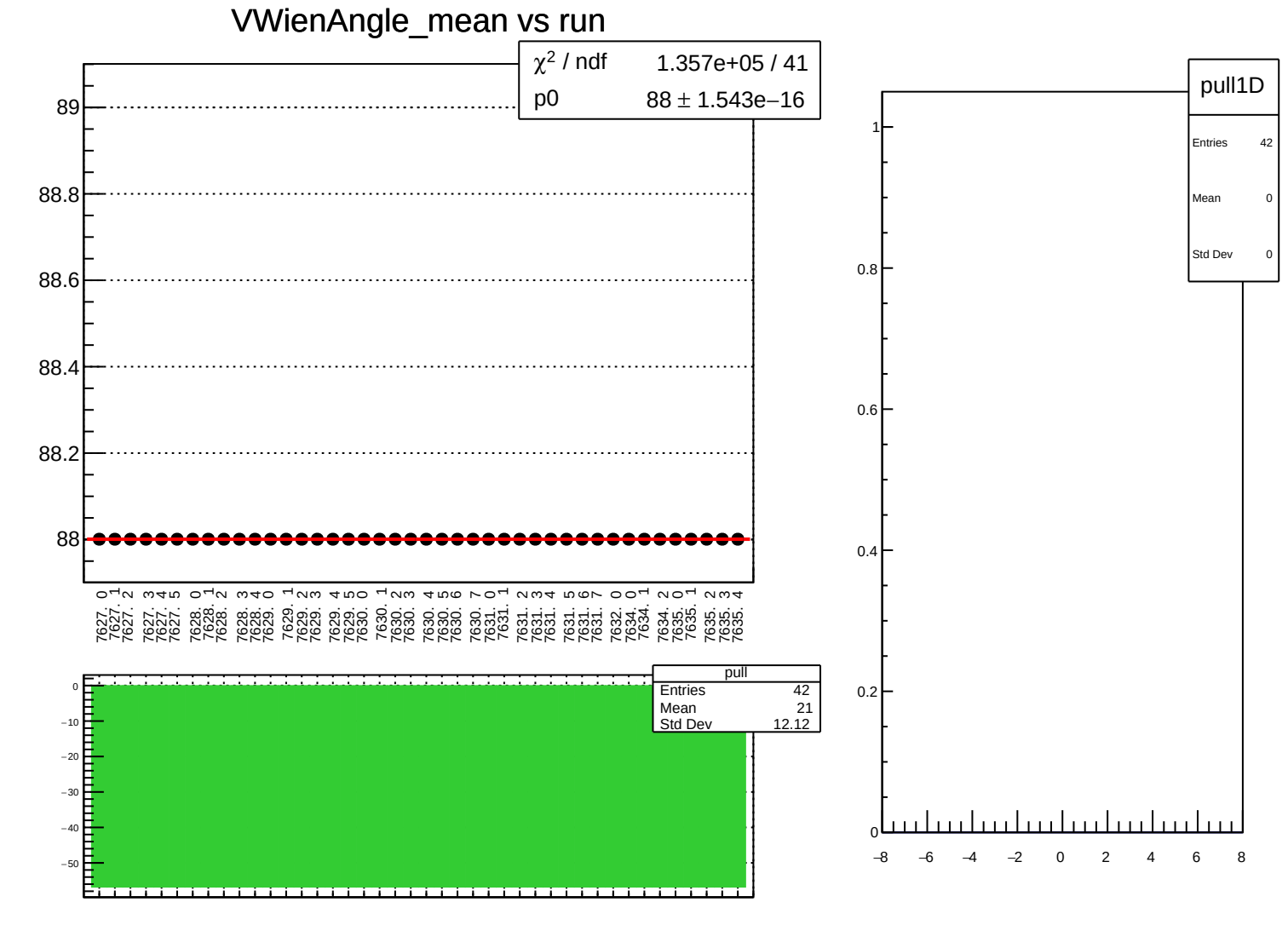

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.815e+28 / 41
p0 977.8 ± 1.543e−16
977.85
977.84
977.83
977.82
977.81
977.8
977.79
977.78
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10¹²
50
40
30
20
10
0
−10
pull
Entries 42
Mean 4.41e+08
Std Dev 0
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

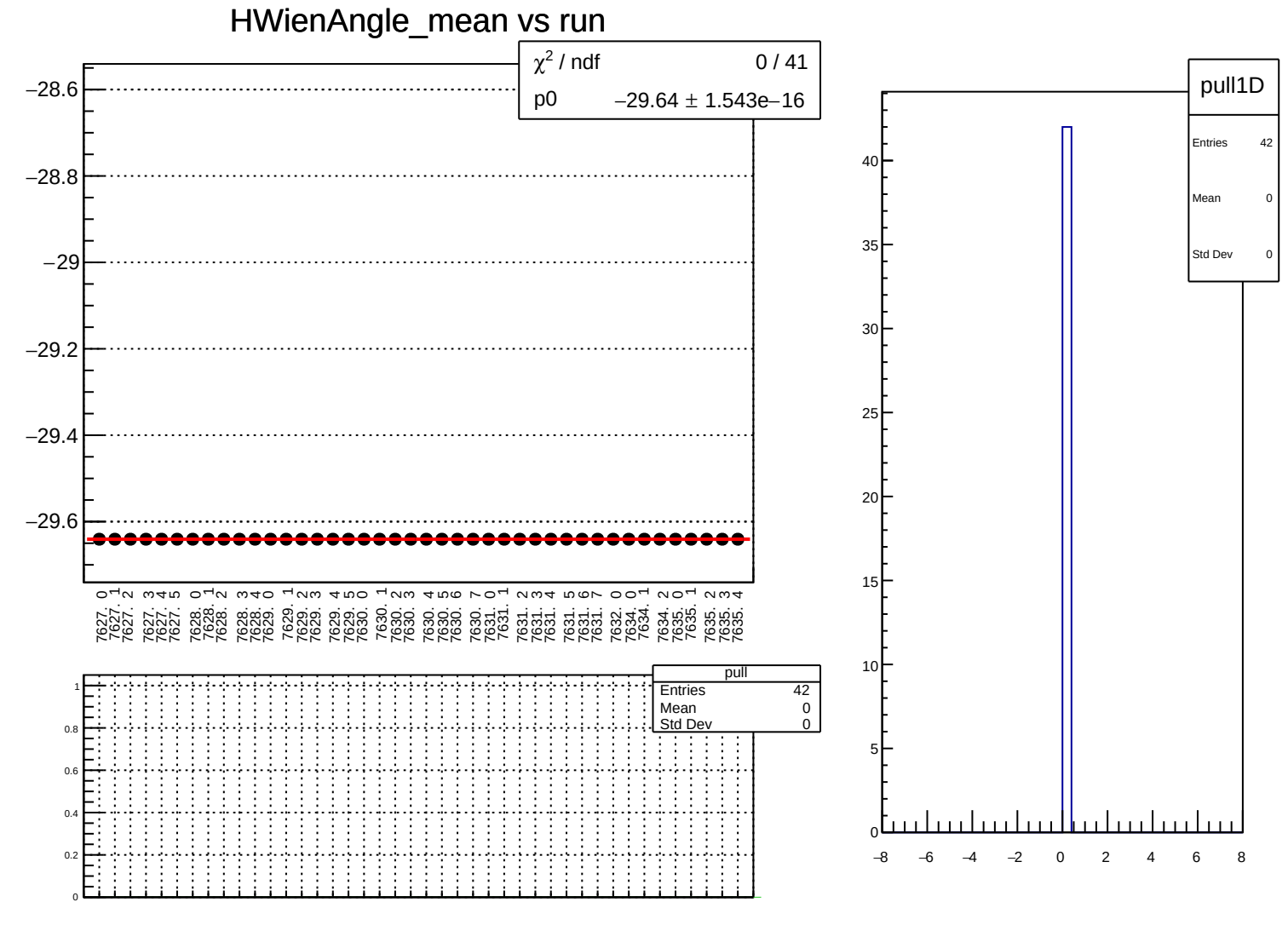

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0.0005056 / 41
p0 0.009375 ± 1.543e−16
9.375
pull
Entries 42
Mean 21
Std Dev 12.12

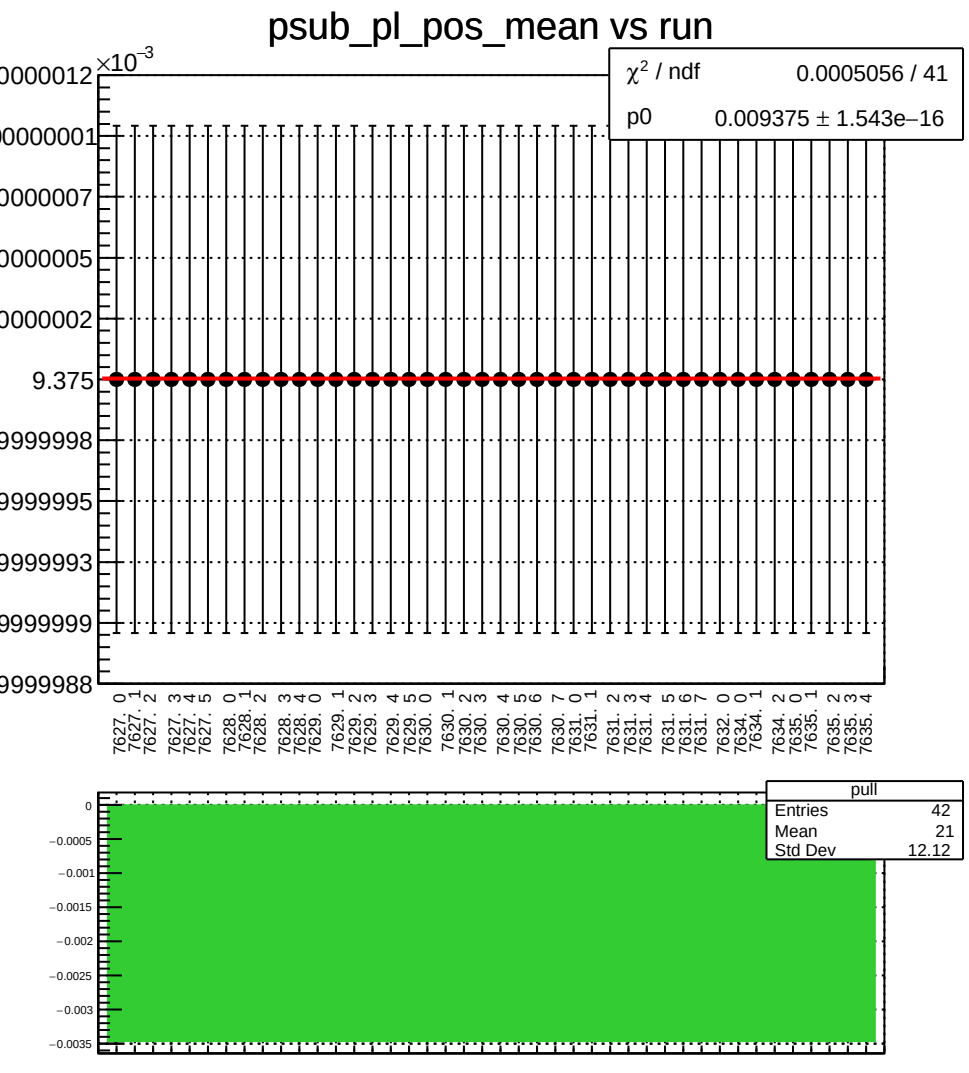

pull1D
Entries 42
Mean −0.003469
Std Dev 0

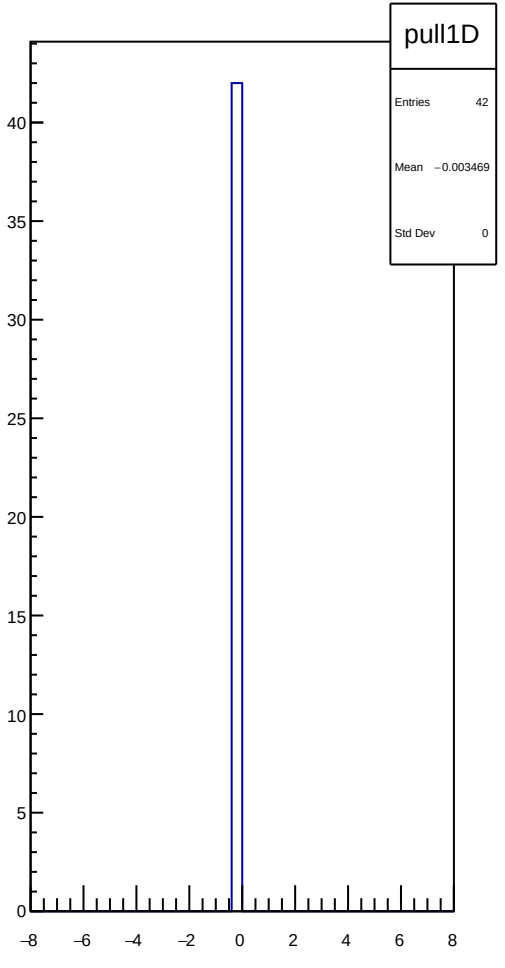

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0005056 / 41
p0 0.009375 ± 1.543e−16
×10⁻³
pull
Entries 42
Mean 21
Std Dev 12.12

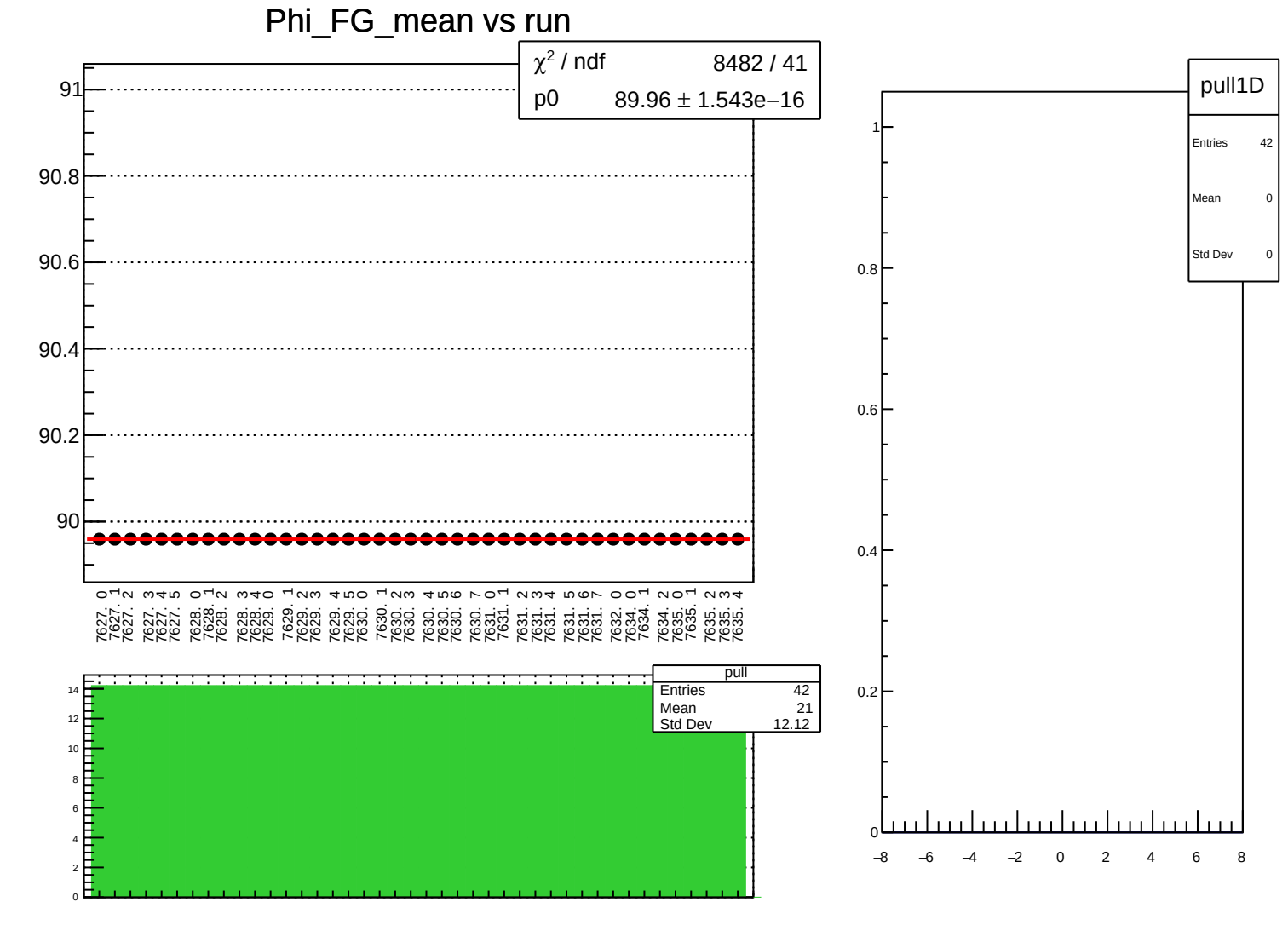

pull1D
Entries 42
Mean −0.003469
Std Dev 0

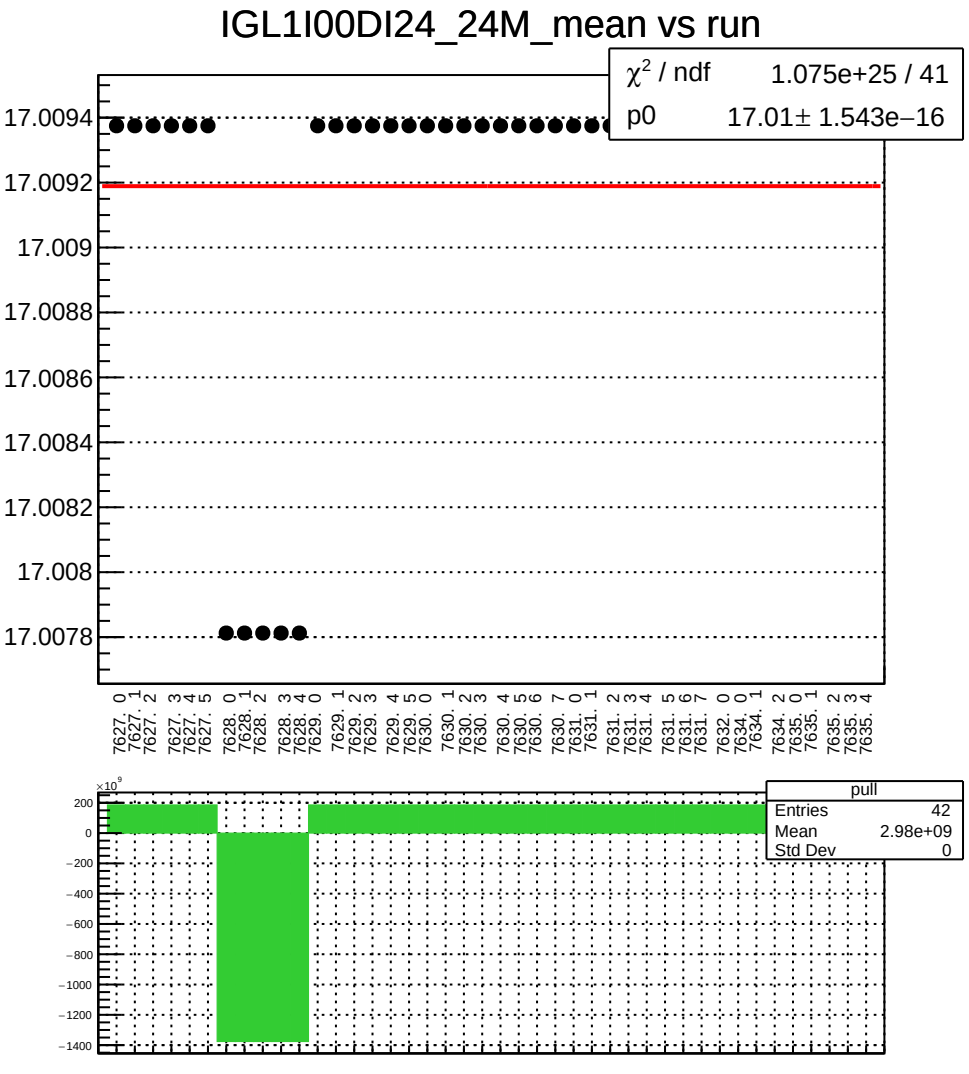

VWienAngle_mean vs run
χ² / ndf 1.357e+05 / 41
p0 88 ± 1.543e−16
89
88.8
88.6
88.4
88.2
88
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21
Std Dev 12.12
0
−10
−20
−30
−40
−50
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

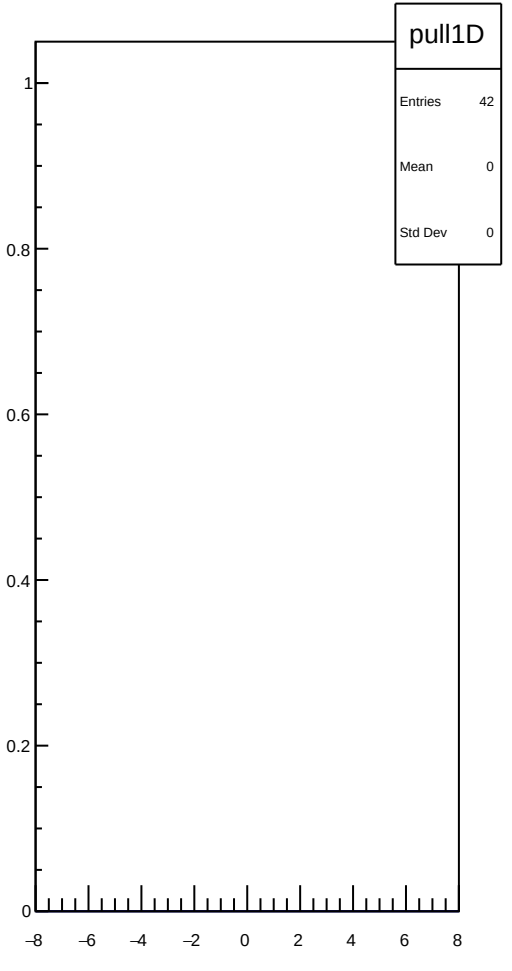

HWienAngle_mean vs run
χ² / ndf 0 / 41
p0 −29.64 ± 1.543e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 42
Mean 0
Std Dev 0
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

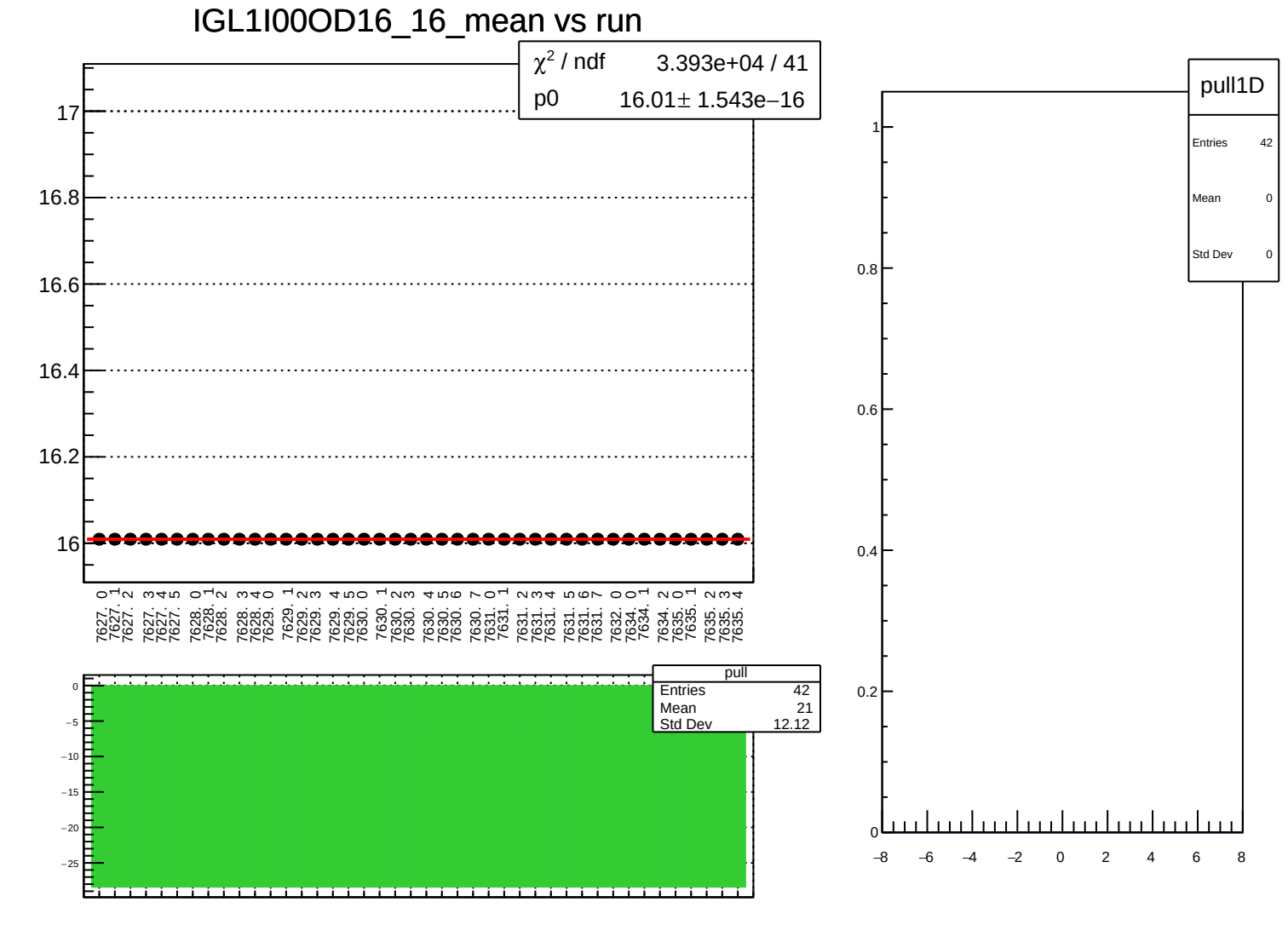

psub_pl_pos_mean vs run
χ² / ndf 0.0005056 / 41
p0 0.009375 ± 1.543e−16
×10⁻³
pull
Entries 42
Mean 21
Std Dev 12.12

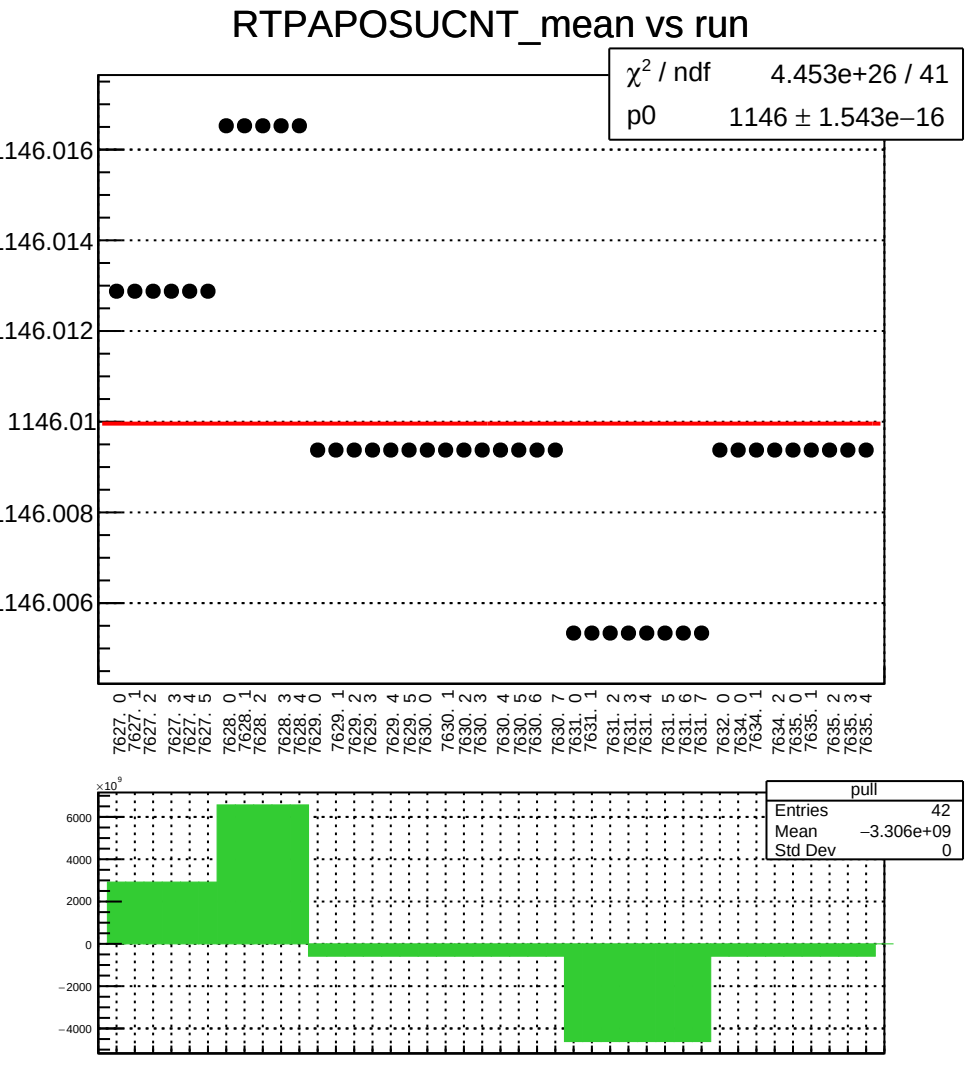

pull1D
Entries 42
Mean −0.003469
Std Dev 0

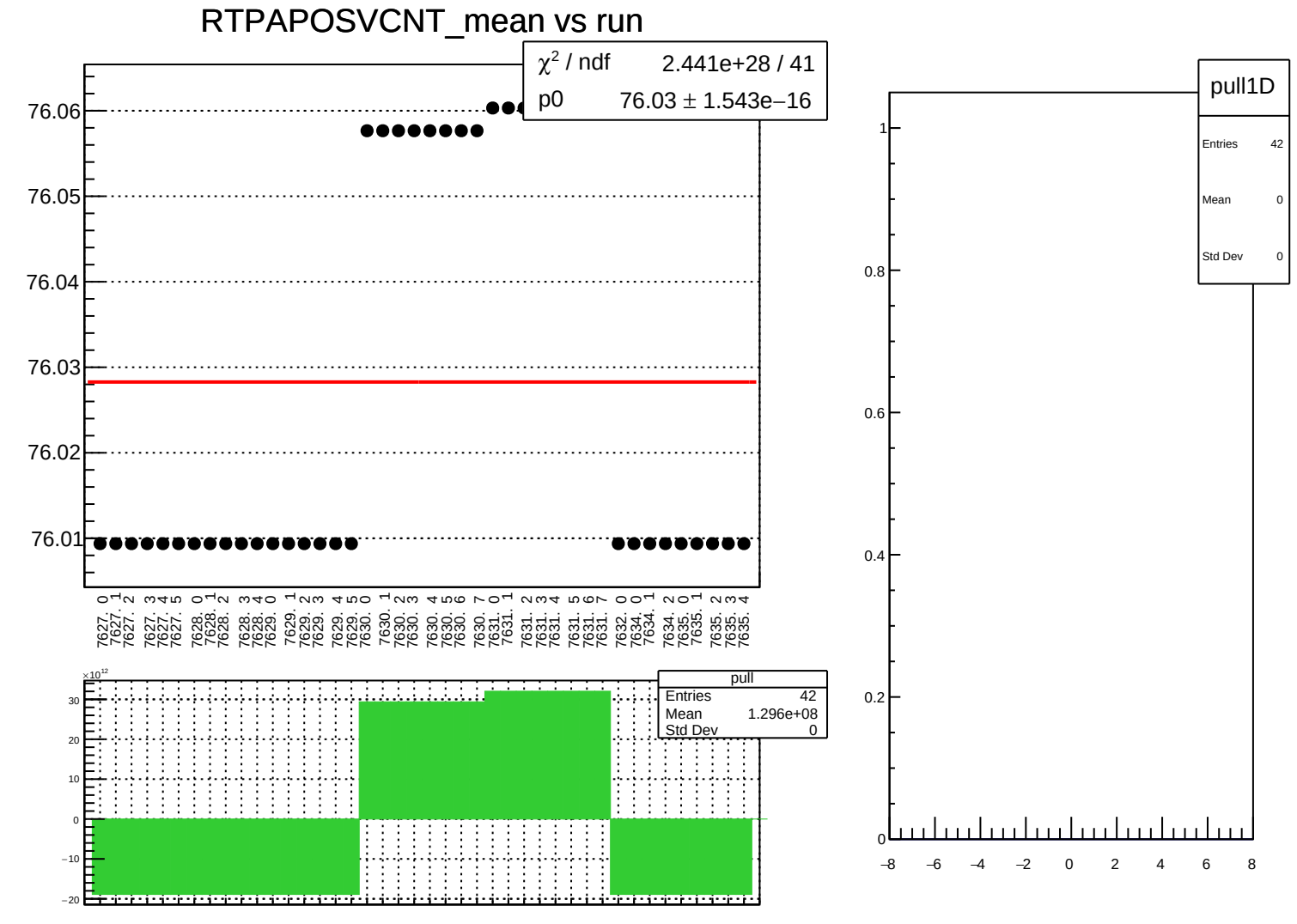

Phi_FG_mean vs run
χ² / ndf 8482 / 41
p0 89.96 ± 1.543e−16
91
90.8
90.6
90.4
90.2
90
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21
Std Dev 12.12
14
12
10
8
6
4
2
0
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

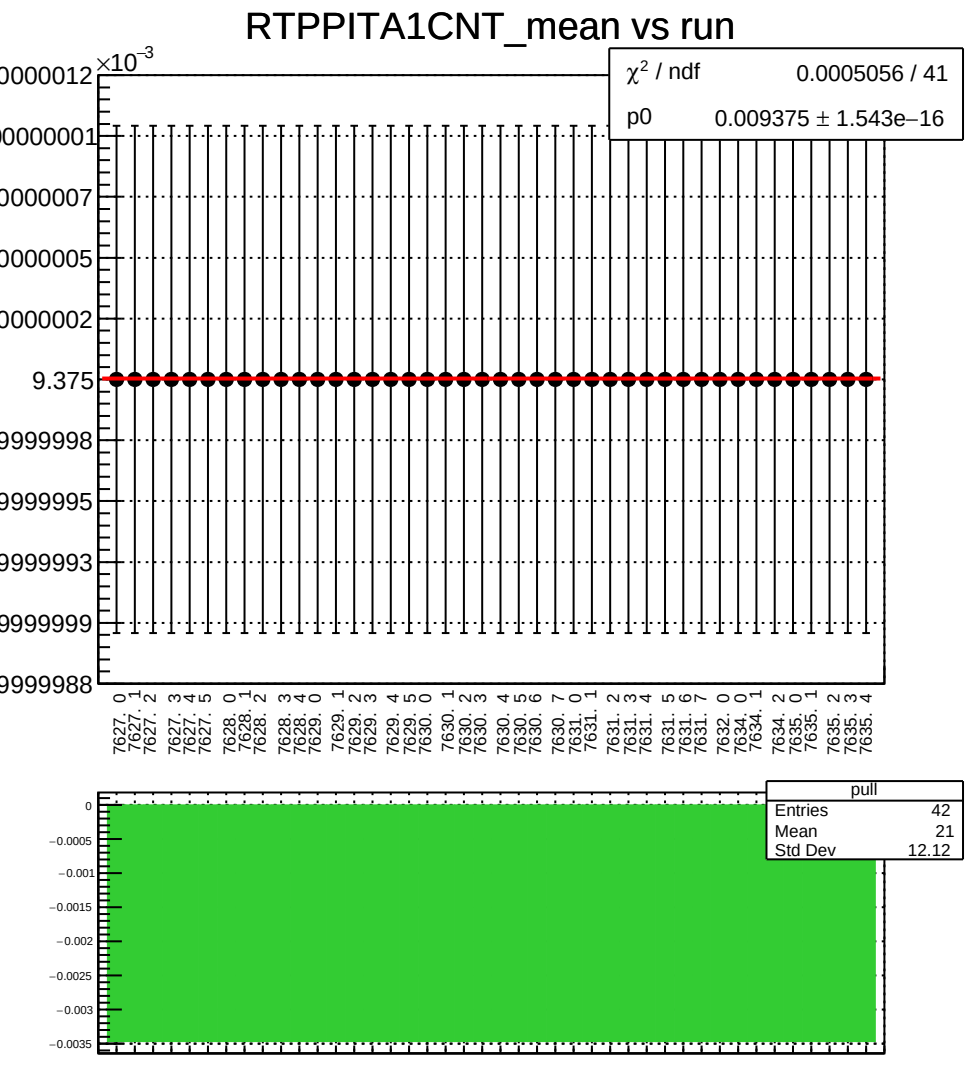

IGL1I00DI24_24M_mean vs run
χ² / ndf 1.075e+25 / 41
p0 17.01± 1.543e−16
17.0094
17.0092
17.009
17.0088
17.0086
17.0084
17.0082
17.008
17.0078
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10⁹
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 42
Mean 2.98e+09
Std Dev 0

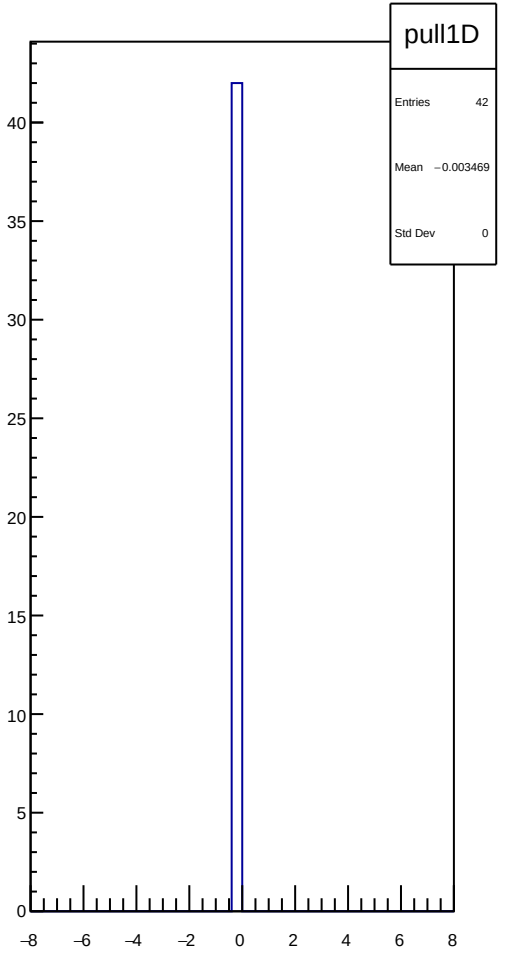

pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

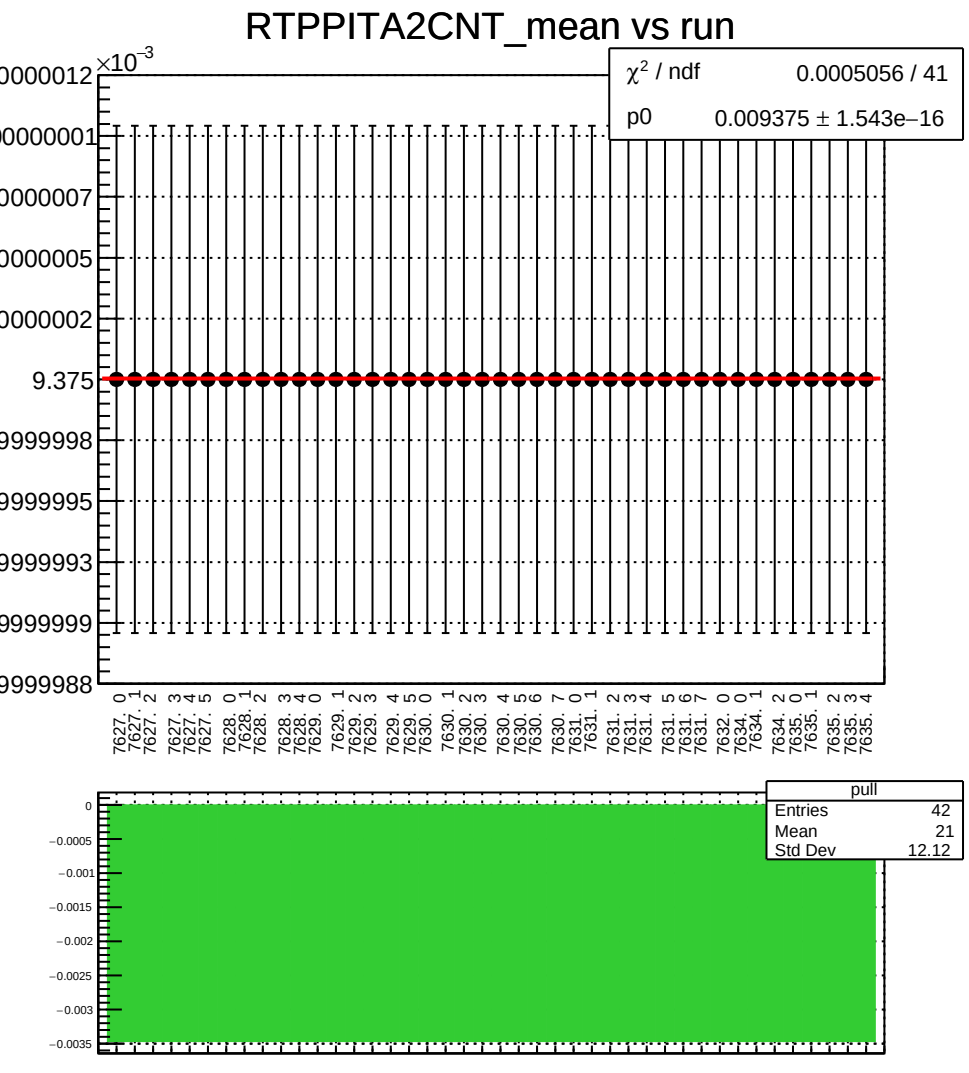

IGL1I00OD16_16_mean vs run
χ² / ndf 3.393e+04 / 41
p0 16.01± 1.543e−16
17
16.8
16.6
16.4
16.2
16
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21
Std Dev 12.12
0
−5
−10
−15
−20
−25
pull1D
Entries 42
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 4.453e+26 / 41
p0 1146 ± 1.543e−16
1146.016
1146.014
1146.012
1146.01
1146.008
1146.006
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10⁹
6000
4000
2000
0
−2000
−4000
pull
Entries 42
Mean −3.306e+09
Std Dev 0
pull1D
Entries 42
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 2.441e+28 / 41
p0 76.03 ± 1.543e−16
76.06
76.05
76.04
76.03
76.02
76.01
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
×10¹²
30
20
10
0
−10
−20
pull
Entries 42
Mean 1.296e+08
Std Dev 0
pull1D
Entries 42
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 0.0005056 / 41
p0 0.009375 ± 1.543e−16
×10⁻³
pull
Entries 42
Mean 21
Std Dev 12.12


pull1D
Entries 42
Mean −0.003469
Std Dev 0


RTPPITA2CNT_mean vs run
χ² / ndf 0.0005056 / 41
p0 0.009375 ± 1.543e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
7627. 0
7627. 1
7627. 2
7627. 3
7627. 4
7627. 5
7628. 0
7628. 1
7628. 2
7628. 3
7628. 4
7629. 0
7629. 1
7629. 2
7629. 3
7629. 4
7629. 5
7630. 0
7630. 1
7630. 2
7630. 3
7630. 4
7630. 5
7630. 6
7630. 7
7631. 0
7631. 1
7631. 2
7631. 3
7631. 4
7631. 5
7631. 6
7631. 7
7632. 0
7634. 0
7634. 1
7634. 2
7635. 0
7635. 1
7635. 2
7635. 3
7635. 4
pull
Entries 42
Mean 21
Std Dev 12.12
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
−0.003
−0.0035
pull1D
Entries 42
Mean −0.003469
Std Dev 0
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8